

GOMOS Daily Report 06-JUN-2011

Level 0 and Level 1 products

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This report presents the daily analysis on parameters extracted from GOMOS level 1b data (GOM_TRA_1P). It is intended to monitor some important parameters that will impact the quality of the level 2 products as the Spectrometers and Photometers CCD Temperatures and Dark Charge, SATU noise equivalent angle... A list of level 0 products (and content) that have arrived during the actual month to the PCF is also given.

Item	Value
Time of report generation	09JUN2011 10:52:05
Data source version	GOMOS/5.01
Start time of products	06JUN2011 00:00:15
Stop time of products	06JUN2011 23:50:51
Store outputs in DB	Yes
Nb of level 1b prods	285
Nb of prods with errors	0

2. Summary of products arrived in PCF (Product Control Facility)

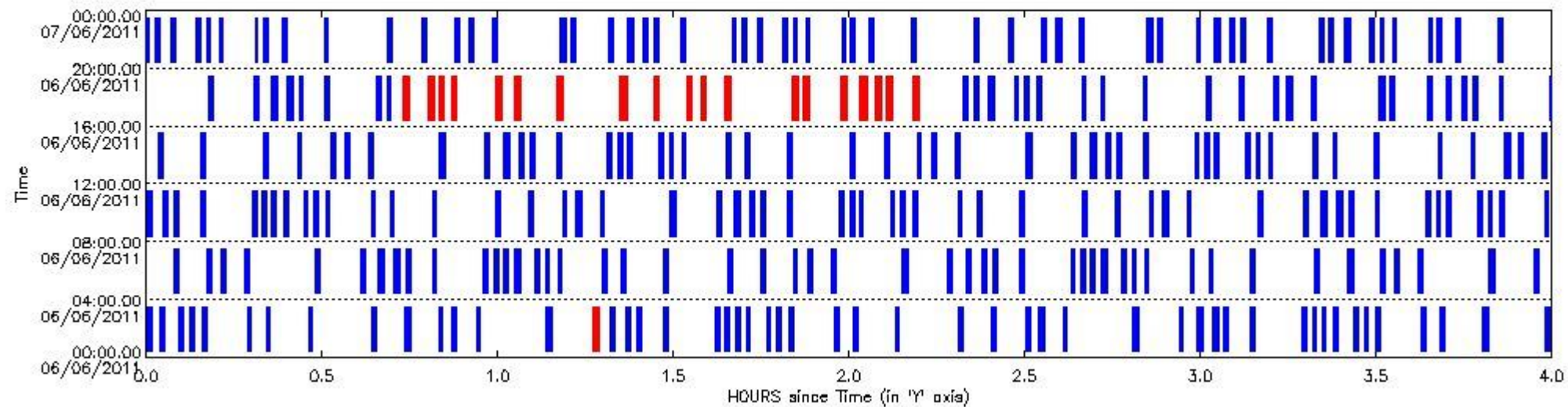
2.1 Level 0 products arrived in PCF (see template [here](#))

2.2 Plot of mission plan versus Level 0 production arrived in PCF during reporting period

Red segments are missing products.

Blue segments are available products.

Green segments are calibration measurements (not available products to users).



2.3 Summary of missing occultations (red segments in previous plot)

UTC start time	Star name	Star ID	Orbit
06-JUN-2011 01:16:14	AlpPhe	84	48450
06-JUN-2011 16:43:42	22LamSgr	137	48460
06-JUN-2011 16:48:06	35EtaOph	86	48460
06-JUN-2011 16:49:53	13ZetOph	98	48460
06-JUN-2011 16:52:01	1DelOph	120	48460
06-JUN-2011 16:59:39	27BetHer	127	48460
06-JUN-2011 17:02:53	40ZetHer	133	48460
06-JUN-2011 17:10:04	23BetDra	130	48460
06-JUN-2011 17:20:50	5AlpCep	89	48460
06-JUN-2011 17:26:35	27GamCas	76	48460
06-JUN-2011 17:32:20	57Gam1And	73	48460
06-JUN-2011 17:34:37	43BetAnd	53	48460
06-JUN-2011 17:38:46	6BetAri	105	48460
06-JUN-2011 17:50:17	DSA1068	0	48460
06-JUN-2011 17:52:07	16BetCet	52	48460

06-JUN-2011 17:58:40	AlpPhe	84	48460
06-JUN-2011 18:01:47	24AlpPsA	18	48460
06-JUN-2011 18:04:24	BetGru	63	48461
06-JUN-2011 18:06:22	AlpGru	31	48461
06-JUN-2011 18:10:54	AlpPav	45	48461

2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20110606_000015_000000463103_00160_48450_3435.N1	06-JUN-2011 00:00:15	Twilight	45.500	75	26Eps Sco	2.2910	4250.0	91	48450	No
2	GOM_TRA_1PNPDE20110606_000212_000000523103_00160_48450_3436.N1	06-JUN-2011 00:02:12	Bright	51.500	136	23Tau Sco	2.8220	30000.	103	48450	No
3	GOM_TRA_1PNPDE20110606_000539_000000433103_00160_48450_3437.N1	06-JUN-2011 00:05:39	Bright	43.000	86	35Eta Oph	2.4300	10200.	86	48450	No
4	GOM_TRA_1PNPDE20110606_000726_000000413103_00160_48450_3438.N1	06-JUN-2011 00:07:26	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	48450	No
5	GOM_TRA_1PNPDE20110606_000934_000000393103_00160_48450_3439.N1	06-JUN-2011 00:09:34	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	48450	No
6	GOM_TRA_1PNPDE20110606_001714_000000423103_00160_48450_3440.N1	06-JUN-2011 00:17:14	Bright	41.500	127	27Bet Her	2.7810	4700.0	83	48450	No
7	GOM_TRA_1PNPDE20110606_002030_000000403103_00160_48450_3441.N1	06-JUN-2011 00:20:30	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	48450	No
8	GOM_TRA_1PNPDE20110606_002743_000000433103_00160_48450_3442.N1	06-JUN-2011 00:27:43	Bright	42.500	130	23Bet Dra	2.7990	5800.0	85	48450	No
9	GOM_TRA_1PNPDE20110606_003829_000000473103_00160_48450_3443.N1	06-JUN-2011 00:38:29	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	48450	No
10	GOM_TRA_1PNPDE20110606_004410_000000573103_00160_48450_3444.N1	06-JUN-2011 00:44:10	Bright	57.000	76	27Gam Cas	2.3000	30000.	114	48450	No
11	GOM_TRA_1PNPDE20110606_004953_000000383103_00160_48450_3445.N1	06-JUN-2011 00:49:53	Bright	38.000	73	57Gam1And	2.2600	13100.	76	48450	No
12	GOM_TRA_1PNPDE20110606_005210_000000493103_00160_48450_3446.N1	06-JUN-2011 00:52:10	Bright	48.500	53	43Bet And	2.0480	3300.0	97	48450	No
13	GOM_TRA_1PNPDE20110606_005617_000000423103_00160_48450_3447.N1	06-JUN-2011 00:56:17	Twilight	42.000	105	6Bet Ari	2.6450	8900.0	84	48450	No
14	GOM_TRA_1PNPDE20110606_011905_000000613103_00160_48450_3464.N1	06-JUN-2011 01:19:05	Dark	61.000	18	24Alp PsA	1.1660	9700.0	122	48450	No
15	GOM_TRA_1PNPDE20110606_012148_000000493103_00161_48451_3465.N1	06-JUN-2011 01:21:48	Dark	49.000	63	Bet Gru	2.1500	2800.0	98	48451	No
16	GOM_TRA_1PNPDE20110606_012346_000000483103_00161_48451_3466.N1	06-JUN-2011 01:23:46	Dark	48.000	31	Alp Gru	1.7340	15200.	96	48451	No
17	GOM_TRA_1PNPDE20110606_012821_000000423103_00161_48451_3467.N1	06-JUN-2011 01:28:21	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	48451	No
18	GOM_TRA_1PNPDE20110606_013706_000000463103_00161_48451_3468.N1	06-JUN-2011 01:37:06	Straylight	46.000	40	The Sco	1.8590	7100.0	92	48451	No
19	GOM_TRA_1PNPDE20110606_013851_000000473103_00161_48451_3469.N1	06-JUN-2011 01:38:51	Twilight	47.000	25	35Lam Sco	1.6200	28000.	94	48451	No
20	GOM_TRA_1PNPDE20110606_014029_000000513103_00161_48451_3470.N1	06-JUN-2011 01:40:29	Twilight	51.000	75	26Eps Sco	2.2910	4250.0	102	48451	No
21	GOM_TRA_1PNPDE20110606_014226_000000443103_00161_48451_3471.N1	06-JUN-2011 01:42:26	Bright	43.500	136	23Tau Sco	2.8220	30000.	87	48451	No
22	GOM_TRA_1PNPDE20110606_014552_000000443103_00161_48451_3472.N1	06-JUN-2011 01:45:52	Bright	43.500	86	35Eta Oph	2.4300	10200.	87	48451	No
23	GOM_TRA_1PNPDE20110606_014740_000000413103_00161_48451_3473.N1	06-JUN-2011 01:47:40	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	48451	No
24	GOM_TRA_1PNPDE20110606_014948_000000393103_00161_48451_3474.N1	06-JUN-2011 01:49:48	Bright	38.500	120	1Del Oph	2.7340	3200.0	77	48451	No
25	GOM_TRA_1PNPDE20110606_015728_000000423103_00161_48451_3475.N1	06-JUN-2011 01:57:28	Bright	42.000	127	27Bet Her	2.7810	4700.0	84	48451	No
26	GOM_TRA_1PNPDE20110606_020043_000000423103_00161_48451_3476.N1	06-JUN-2011 02:00:43	Bright	41.500	133	40Zet Her	2.8070	6000.0	83	48451	No
27	GOM_TRA_1PNPDE20110606_020756_000000403103_00161_48451_3477.N1	06-JUN-2011 02:07:56	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	48451	No
28	GOM_TRA_1PNPDE20110606_021843_000000483103_00161_48451_3478.N1	06-JUN-2011 02:18:43	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	48451	No
29	GOM_TRA_1PNPDE20110606_022424_000000373103_00161_48451_3479.N1	06-JUN-2011 02:24:24	Bright	36.500	76	27Gam Cas	2.3000	30000.	73	48451	No
30	GOM_TRA_1PNPDE20110606_023007_000000463103_00161_48451_3480.N1	06-JUN-2011 02:30:07	Bright	46.000	73	57Gam1And	2.2600	13100.	92	48451	No
31	GOM_TRA_1PNPDE20110606_023224_000000523103_00161_48451_3481.N1	06-JUN-2011 02:32:24	Bright	51.500	53	43Bet And	2.0480	3300.0	103	48451	No
32	GOM_TRA_1PNPDE20110606_023632_000000433103_00161_48451_3482.N1	06-JUN-2011 02:36:32	Twilight	42.500	105	6Bet Ari	2.6450	8900.0	85	48451	No
33	GOM_TRA_1PNPDE20110606_025621_000000433103_00161_48451_3483.N1	06-JUN-2011 02:56:21	Dark	43.000	84	Alp Phe	2.3970	4500.0	86	48451	No
34	GOM_TRA_1PNPDE20110606_025921_000000603103_00161_48451_3484.N1	06-JUN-2011 02:59:21	Dark	59.500	18	24Alp PsA	1.1660	9700.0	119	48451	No
35	GOM_TRA_1PNPDE20110606_030203_000000643103_00162_48452_3485.N1	06-JUN-2011 03:02:03	Dark	63.500	63	Bet Gru	2.1500	2800.0	127	48452	No
36	GOM_TRA_1PNPDE20110606_030401_000000493103_00162_48452_3486.N1	06-JUN-2011 03:04:01	Dark	48.500	31	Alp Gru	1.7340	15200.	97	48452	No
37	GOM_TRA_1PNPDE20110606_030835_000000433103_00162_48452_3487.N1	06-JUN-2011 03:08:35	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	48452	No
38	GOM_TRA_1PNPDE20110606_031720_000000483103_00162_48452_3488.N1	06-JUN-2011 03:17:20	Straylight	47.500	40	The Sco	1.8590	7100.0	95	48452	No
39	GOM_TRA_1PNPDE20110606_031906_000000473103_00162_48452_3489.N1	06-JUN-2011 03:19:06	Twilight	46.500	25	35Lam Sco	1.6200	28000.	93	48452	No
40	GOM_TRA_1PNPDE20110606_032043_000000453103_00162_48452_3490.N1	06-JUN-2011 03:20:43	Twilight	45.000	75	26Eps Sco	2.2910	4250.0	90	48452	No
41	GOM_TRA_1PNPDE20110606_032240_000000433103_00162_48452_3491.N1	06-JUN-2011 03:22:40	Bright	42.500	136	23Tau Sco	2.8220	30000.	85	48452	No
42	GOM_TRA_1PNPDE20110606_032607_000000443103_00162_48452_3492.N1	06-JUN-2011 03:26:07	Bright	44.000	86	35Eta Oph	2.4300	10200.	88	48452	No
43	GOM_TRA_1PNPDE20110606_032754_000000393103_00162_48452_3493.N1	06-JUN-2011 03:27:54	Bright	39.000	98	13Zet Oph	2.5710	30000.	78	48452	No
44	GOM_TRA_1PNPDE20110606_033002_000000393103_00162_48452_3494.N1	06-JUN-2011 03:30:02	Bright	38.500	120	1Del Oph	2.7340	3200.0	77	48452	No
45	GOM_TRA_1PNPDE20110606_033742_000000423103_00162_48452_3495.N1	06-JUN-2011 03:37:42	Bright	41.500	127	27Bet Her	2.7810	4700.0	83	48452	No
46	GOM_TRA_1PNPDE20110606_034057_000000413103_00162_48452_3496.N1	06-JUN-2011 03:40:57	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	48452	No
47	GOM_TRA_1PNPDE20110606_034810_000000593103_00162_48452_3497.N1	06-JUN-2011 03:48:10	Bright	58.500	130	23Bet Dra	2.7990	5800.0	117	48452	No
48	GOM_TRA_1PNPDE20110606_035856_000000483103_00162_48452_3487.N1	06-JUN-2011 03:58:56	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	48452	No
49	GOM_TRA_1PNPDE20110606_040438_000000573103_00162_48452_3488.N1	06-JUN-2011 04:04:38	Bright	57.000	76	27Gam Cas	2.3000	30000.	114	48452	No

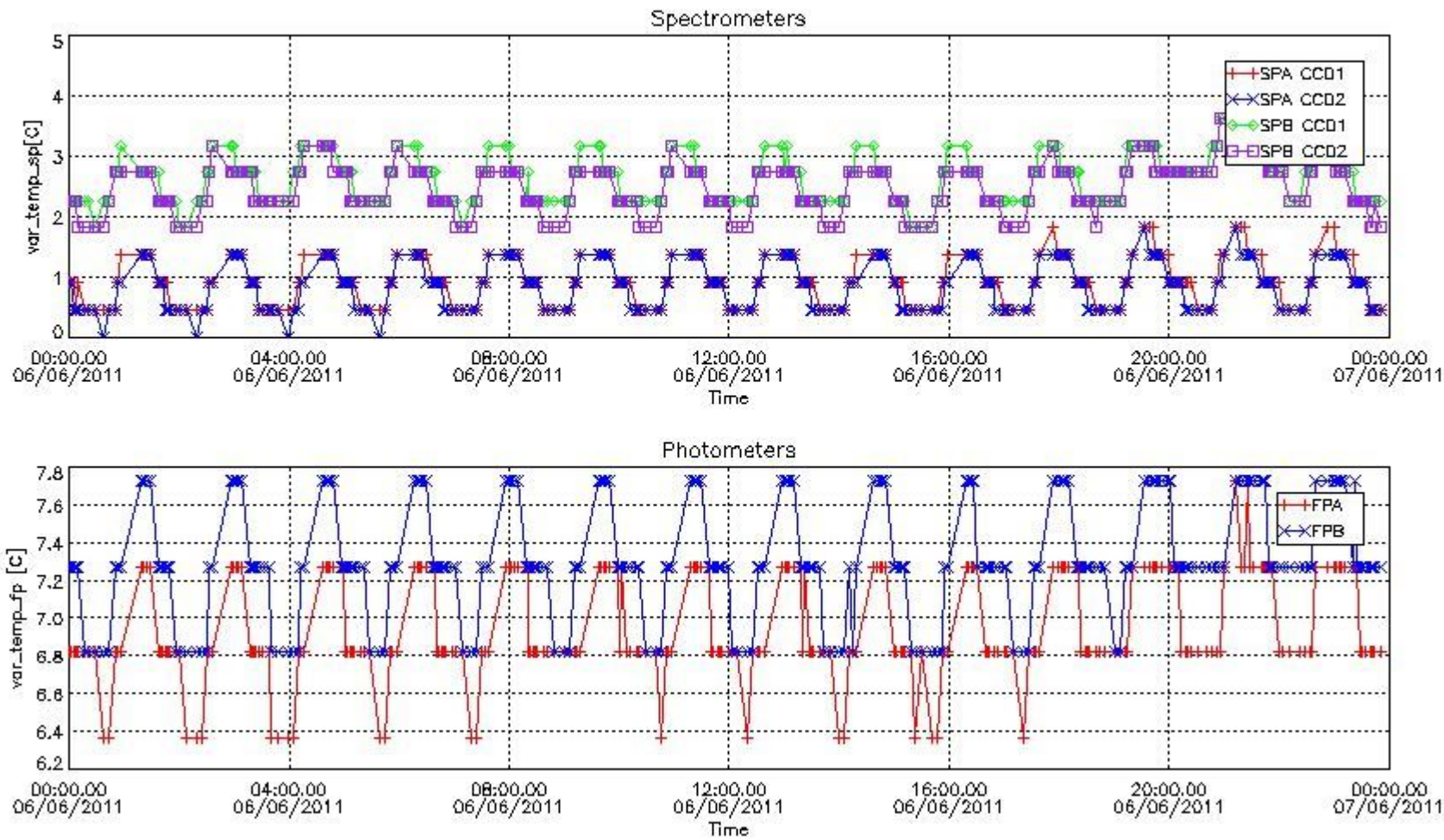
50	GOM_TRA_1PNPDE20110606_041021_000000463103_00162_48452_3489.N1	06-JUN-2011 04:10:21	Bright	46.000	73	57Gam1And	2.2600	13100.	92	48452	No
51	GOM_TRA_1PNPDE20110606_041238_000000493103_00162_48452_3490.N1	06-JUN-2011 04:12:38	Bright	48.500	53	43Bet And	2.0480	3300.0	97	48452	No
52	GOM_TRA_1PNPDE20110606_041646_000000433103_00162_48452_3491.N1	06-JUN-2011 04:16:46	Twilight	42.500	105	6Bet Ari	2.6450	8900.0	85	48452	No
53	GOM_TRA_1PNPDE20110606_043636_000000483103_00162_48452_3492.N1	06-JUN-2011 04:36:36	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	48452	No
54	GOM_TRA_1PNPDE20110606_043936_000000663103_00162_48452_3493.N1	06-JUN-2011 04:39:36	Dark	66.000	18	24Alp PsA	1.1660	9700.0	132	48452	No
55	GOM_TRA_1PNPDE20110606_044218_000000613103_00163_48453_3494.N1	06-JUN-2011 04:42:18	Dark	60.500	63	Bet Gru	2.1500	2800.0	121	48453	No
56	GOM_TRA_1PNPDE20110606_044416_000000483103_00163_48453_3495.N1	06-JUN-2011 04:44:16	Dark	48.000	31	Alp Gru	1.7340	15200.	96	48453	No
57	GOM_TRA_1PNPDE20110606_044850_000000453103_00163_48453_3496.N1	06-JUN-2011 04:48:50	Straylight	44.500	45	Alp Pav	1.9400	26000.	89	48453	No
58	GOM_TRA_1PNPDE20110606_045735_000000453103_00163_48453_3497.N1	06-JUN-2011 04:57:35	Straylight	45.000	40	The Sco	1.8590	7100.0	90	48453	No
59	GOM_TRA_1PNPDE20110606_045920_000000463103_00163_48453_3498.N1	06-JUN-2011 04:59:20	Tw_i_and_stray	45.500	25	35Lam Sco	1.6200	28000.	91	48453	No
60	GOM_TRA_1PNPDE20110606_050058_000000473103_00163_48453_3499.N1	06-JUN-2011 05:00:58	Tw_i_and_stray	46.500	75	26Eps Sco	2.2910	4250.0	93	48453	No
61	GOM_TRA_1PNPDE20110606_050254_000000553103_00163_48453_3500.N1	06-JUN-2011 05:02:54	Bright	54.500	136	23Tau Sco	2.8220	30000.	109	48453	No
62	GOM_TRA_1PNPDE20110606_050621_000000423103_00163_48453_3501.N1	06-JUN-2011 05:06:21	Bright	41.500	86	35Eta Oph	2.4300	10200.	83	48453	No
63	GOM_TRA_1PNPDE20110606_050808_000000403103_00163_48453_3502.N1	06-JUN-2011 05:08:08	Bright	39.500	98	13Zet Oph	2.5710	30000.	79	48453	No
64	GOM_TRA_1PNPDE20110606_051016_000000383103_00163_48453_3503.N1	06-JUN-2011 05:10:16	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	48453	No
65	GOM_TRA_1PNPDE20110606_051756_000000393103_00163_48453_3504.N1	06-JUN-2011 05:17:56	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	48453	No
66	GOM_TRA_1PNPDE20110606_052111_000000423103_00163_48453_3505.N1	06-JUN-2011 05:21:11	Bright	42.000	133	40Zet Her	2.8070	6000.0	84	48453	No
67	GOM_TRA_1PNPDE20110606_052823_000000453103_00163_48453_3506.N1	06-JUN-2011 05:28:23	Bright	44.500	130	23Bet Dra	2.7990	5800.0	89	48453	No
68	GOM_TRA_1PNPDE20110606_053910_000000483103_00163_48453_3507.N1	06-JUN-2011 05:39:10	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	48453	No
69	GOM_TRA_1PNPDE20110606_054452_000000573103_00163_48453_3512.N1	06-JUN-2011 05:44:52	Bright	57.000	76	27Gam Cas	2.3000	30000.	114	48453	No
70	GOM_TRA_1PNPDE20110606_055035_000000373103_00163_48453_3513.N1	06-JUN-2011 05:50:35	Bright	36.500	73	57Gam1And	2.2600	13100.	73	48453	No
71	GOM_TRA_1PNPDE20110606_055252_000000603103_00163_48453_3514.N1	06-JUN-2011 05:52:52	Bright	60.000	53	43Bet And	2.0480	3300.0	120	48453	No
72	GOM_TRA_1PNPDE20110606_055700_000000433103_00163_48453_3515.N1	06-JUN-2011 05:57:00	Twilight	43.000	105	6Bet Ari	2.6450	8900.0	86	48453	No
73	GOM_TRA_1PNPDE20110606_061651_000000513103_00163_48453_3516.N1	06-JUN-2011 06:16:51	Dark	50.500	84	Alp Phe	2.3970	4500.0	101	48453	No
74	GOM_TRA_1PNPDE20110606_061952_000000603103_00163_48453_3517.N1	06-JUN-2011 06:19:52	Dark	59.500	18	24Alp PsA	1.1660	9700.0	119	48453	No
75	GOM_TRA_1PNPDE20110606_062233_000000643103_00164_48454_3518.N1	06-JUN-2011 06:22:33	Dark	63.500	63	Bet Gru	2.1500	2800.0	127	48454	No
76	GOM_TRA_1PNPDE20110606_062431_000000463103_00164_48454_3519.N1	06-JUN-2011 06:24:31	Dark	46.000	31	Alp Gru	1.7340	15200.	92	48454	No
77	GOM_TRA_1PNPDE20110606_062905_000000423103_00164_48454_3520.N1	06-JUN-2011 06:29:05	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48454	No
78	GOM_TRA_1PNPDE20110606_063749_000000473103_00164_48454_3521.N1	06-JUN-2011 06:37:49	Straylight	47.000	40	The Sco	1.8590	7100.0	94	48454	No
79	GOM_TRA_1PNPDE20110606_063935_000000483103_00164_48454_3522.N1	06-JUN-2011 06:39:35	Tw_i_and_stray	48.000	25	35Lam Sco	1.6200	28000.	96	48454	No
80	GOM_TRA_1PNPDE20110606_064112_000000463103_00164_48454_3523.N1	06-JUN-2011 06:41:12	Tw_i_and_stray	46.000	75	26Eps Sco	2.2910	4250.0	92	48454	No
81	GOM_TRA_1PNPDE20110606_064309_000000553103_00164_48454_3524.N1	06-JUN-2011 06:43:09	Bright	55.000	136	23Tau Sco	2.8220	30000.	110	48454	No
82	GOM_TRA_1PNPDE20110606_064635_000000443103_00164_48454_3525.N1	06-JUN-2011 06:46:35	Bright	43.500	86	35Eta Oph	2.4300	10200.	87	48454	No
83	GOM_TRA_1PNPDE20110606_064822_000000403103_00164_48454_3526.N1	06-JUN-2011 06:48:22	Bright	39.500	98	13Zet Oph	2.5710	30000.	79	48454	No
84	GOM_TRA_1PNPDE20110606_065030_000000393103_00164_48454_3527.N1	06-JUN-2011 06:50:30	Bright	38.500	120	1Del Oph	2.7340	3200.0	77	48454	No
85	GOM_TRA_1PNPDE20110606_065810_000000433103_00164_48454_3528.N1	06-JUN-2011 06:58:10	Bright	42.500	127	27Bet Her	2.7810	4700.0	85	48454	No
86	GOM_TRA_1PNPDE20110606_070124_000000433103_00164_48454_3529.N1	06-JUN-2011 07:01:24	Bright	42.500	133	40Zet Her	2.8070	6000.0	85	48454	No
87	GOM_TRA_1PNPDE20110606_070836_000000443103_00164_48454_3530.N1	06-JUN-2011 07:08:36	Bright	43.500	130	23Bet Dra	2.7990	5800.0	87	48454	No
88	GOM_TRA_1PNPDE20110606_071923_000000473103_00164_48454_3531.N1	06-JUN-2011 07:19:23	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	48454	No
89	GOM_TRA_1PNPDK20110606_072506_000000573103_00164_48454_0543.N1	06-JUN-2011 07:25:06	Bright	57.000	76	27Gam Cas	2.3000	30000.	114	48454	No
90	GOM_TRA_1PNPDK20110606_073049_000000353103_00164_48454_0544.N1	06-JUN-2011 07:30:49	Bright	34.500	73	57Gam1And	2.2600	13100.	69	48454	No
91	GOM_TRA_1PNPDK20110606_073306_000000463103_00164_48454_0545.N1	06-JUN-2011 07:33:06	Bright	45.500	53	43Bet And	2.0480	3300.0	91	48454	No
92	GOM_TRA_1PNPDK20110606_073715_000000433103_00164_48454_0546.N1	06-JUN-2011 07:37:15	Twilight	43.000	105	6Bet Ari	2.6450	8900.0	86	48454	No
93	GOM_TRA_1PNPDK20110606_075705_000000413103_00164_48454_0547.N1	06-JUN-2011 07:57:05	Dark	40.500	84	Alp Phe	2.3970	4500.0	81	48454	No
94	GOM_TRA_1PNPDK20110606_080007_000000563103_00164_48454_0548.N1	06-JUN-2011 08:00:07	Dark	56.000	18	24Alp PsA	1.1660	9700.0	112	48454	No
95	GOM_TRA_1PNPDK20110606_080248_000000583103_00165_48455_0549.N1	06-JUN-2011 08:02:48	Dark	58.000	63	Bet Gru	2.1500	2800.0	116	48455	No
96	GOM_TRA_1PNPDK20110606_080446_000000483103_00165_48455_0550.N1	06-JUN-2011 08:04:46	Dark	48.000	31	Alp Gru	1.7340	15200.	96	48455	No
97	GOM_TRA_1PNPDK20110606_080920_000000423103_00165_48455_0551.N1	06-JUN-2011 08:09:20	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48455	No
98	GOM_TRA_1PNPDK20110606_081804_000000443103_00165_48455_0552.N1	06-JUN-2011 08:18:04	Straylight	44.000	40	The Sco	1.8590	7100.0	88	48455	No
99	GOM_TRA_1PNPDK20110606_081949_000000443103_00165_48455_0553.N1	06-JUN-2011 08:19:49	Tw_i_and_stray	44.000	25	35Lam Sco	1.6200	28000.	88	48455	No
100	GOM_TRA_1PNPDK20110606_082126_000000453103_00165_48455_0554.N1	06-JUN-2011 08:21:26	Tw_i_and_stray	44.500	75	26Eps Sco	2.2910	4250.0	89	48455	No
101	GOM_TRA_1PNPDK20110606_082328_000000553103_00165_48455_0555.N1	06-JUN-2011 08:23:28	Bright	55.000	136	23Tau Sco	2.8220	30000.	110	48455	No
102	GOM_TRA_1PNPDK20110606_082649_000000433103_00165_48455_0556.N1	06-JUN-2011 08:26:49	Bright	42.500	86	35Eta Oph	2.4300	10200.	85	48455	No
103	GOM_TRA_1PNPDK20110606_082836_000000403103_00165_48455_0577.N1	06-JUN-2011 08:28:36	Bright	40.000	98	13Zet Oph	2.5710	30000.	80	48455	No
104	GOM_TRA_1PNPDK20110606_083044_000000383103_00165_48455_0578.N1	06-JUN-2011 08:30:44	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	48455	No
105	GOM_TRA_1PNPDK20110606_083824_000000423103_00165_48455_0579.N1	06-JUN-2011 08:38:24	Bright	41.500	127	27Bet Her	2.7810	4700.0	83	48455	No
106	GOM_TRA_1PNPDK20110606_084138_000000433103_00165_48455_0580.N1	06-JUN-2011 08:41:38	Bright	42.500	133	40Zet Her	2.8070	6000.0	85	48455	No
107	GOM_TRA_1PNPDK20110606_084850_000000433103_00165_48455_0581.N1	06-JUN-2011 08:48:50	Bright	42.500	130	23Bet Dra	2.7990	5800.0	85	48455	No
108	GOM_TRA_1PNPDK20110606_085936_000000483103_00165_48455_0582.N1	06-JUN-2011 08:59:36	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	48455	No

109	GOM_TRA_1PNPDK20110606_090519_000000393103_00165_48455_0583.N1	06-JUN-2011 09:05:19	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	48455	No
110	GOM_TRA_1PNPDK20110606_091103_000000363103_00165_48455_0584.N1	06-JUN-2011 09:11:03	Bright	35.500	73	57Gam1And	2.2600	13100.	71	48455	No
111	GOM_TRA_1PNPDK20110606_091320_000000603103_00165_48455_0585.N1	06-JUN-2011 09:13:20	Bright	60.000	53	43Bet And	2.0480	3300.0	120	48455	No
112	GOM_TRA_1PNPDK20110606_091729_000000413103_00165_48455_0586.N1	06-JUN-2011 09:17:29	Twilight	40.500	105	6Bet Ari	2.6450	8900.0	81	48455	No
113	GOM_TRA_1PNPDK20110606_093720_000000453103_00165_48455_0587.N1	06-JUN-2011 09:37:20	Dark	45.000	84	Alp Phe	2.3970	4500.0	90	48455	No
114	GOM_TRA_1PNPDK20110606_094023_000000563103_00165_48455_0588.N1	06-JUN-2011 09:40:23	Dark	56.000	18	24Alp PsA	1.1660	9700.0	112	48455	No
115	GOM_TRA_1PNPDK20110606_094303_000000463103_00166_48456_0589.N1	06-JUN-2011 09:43:03	Dark	45.500	63	Bet Gru	2.1500	2800.0	91	48456	No
116	GOM_TRA_1PNPDK20110606_094501_000000493103_00166_48456_0590.N1	06-JUN-2011 09:45:01	Dark	48.500	31	Alp Gru	1.7340	15200.	97	48456	No
117	GOM_TRA_1PNPDK20110606_094934_000000423103_00166_48456_0591.N1	06-JUN-2011 09:49:34	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	48456	No
118	GOM_TRA_1PNPDK20110606_095818_000000493103_00166_48456_0592.N1	06-JUN-2011 09:58:18	Straylight	49.000	40	The Sco	1.8590	7100.0	98	48456	No
119	GOM_TRA_1PNPDK20110606_100003_000000483103_00166_48456_0593.N1	06-JUN-2011 10:00:03	Tw_i_and_stray	47.500	25	35Lam Sco	1.6200	28000.	95	48456	No
120	GOM_TRA_1PNPDK20110606_100140_000000453103_00166_48456_0594.N1	06-JUN-2011 10:01:40	Tw_i_and_stray	44.500	75	26Eps Sco	2.2910	4250.0	89	48456	No
121	GOM_TRA_1PNPDK20110606_100703_000000443103_00166_48456_0595.N1	06-JUN-2011 10:07:03	Bright	44.000	86	35Eta Oph	2.4300	10200.	88	48456	No
122	GOM_TRA_1PNPDK20110606_100850_000000403103_00166_48456_0610.N1	06-JUN-2011 10:08:50	Bright	40.000	98	13Zet Oph	2.5710	30000.	80	48456	No
123	GOM_TRA_1PNPDK20110606_101058_000000383103_00166_48456_0611.N1	06-JUN-2011 10:10:58	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	48456	No
124	GOM_TRA_1PNPDK20110606_101837_000000413103_00166_48456_0612.N1	06-JUN-2011 10:18:37	Bright	41.000	127	27Bet Her	2.7810	4700.0	82	48456	No
125	GOM_TRA_1PNPDK20110606_102152_000000423103_00166_48456_0613.N1	06-JUN-2011 10:21:52	Bright	41.500	133	40Zet Her	2.8070	6000.0	83	48456	No
126	GOM_TRA_1PNPDK20110606_102903_000000443103_00166_48456_0614.N1	06-JUN-2011 10:29:03	Bright	43.500	130	23Bet Dra	2.7990	5800.0	87	48456	No
127	GOM_TRA_1PNPDK20110606_103949_000000473103_00166_48456_0615.N1	06-JUN-2011 10:39:49	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	48456	No
128	GOM_TRA_1PNPDK20110606_104533_000000373103_00166_48456_0616.N1	06-JUN-2011 10:45:33	Bright	37.000	76	27Gam Cas	2.3000	30000.	74	48456	No
129	GOM_TRA_1PNPDK20110606_105117_000000363103_00166_48456_0617.N1	06-JUN-2011 10:51:17	Bright	35.500	73	57Gam1And	2.2600	13100.	71	48456	No
130	GOM_TRA_1PNPDK20110606_105334_000000523103_00166_48456_0618.N1	06-JUN-2011 10:53:34	Bright	52.000	53	43Bet And	2.0480	3300.0	104	48456	No
131	GOM_TRA_1PNPDK20110606_105743_000000433103_00166_48456_0619.N1	06-JUN-2011 10:57:43	Twilight	43.000	105	6Bet Ari	2.6450	8900.0	86	48456	No
132	GOM_TRA_1PNPDK20110606_111734_000000483103_00166_48456_0620.N1	06-JUN-2011 11:17:34	Dark	48.000	84	Alp Phe	2.3970	4500.0	96	48456	No
133	GOM_TRA_1PNPDK20110606_112038_000000593103_00166_48456_0621.N1	06-JUN-2011 11:20:38	Dark	59.000	18	24Alp PsA	1.1660	9700.0	118	48456	No
134	GOM_TRA_1PNPDK20110606_112317_000000533103_00167_48457_0622.N1	06-JUN-2011 11:23:17	Dark	52.500	63	Bet Gru	2.1500	2800.0	105	48457	No
135	GOM_TRA_1PNPDK20110606_112516_000000473103_00167_48457_0623.N1	06-JUN-2011 11:25:16	Dark	46.500	31	Alp Gru	1.7340	15200.	93	48457	No
136	GOM_TRA_1PNPDK20110606_112949_000000463103_00167_48457_0624.N1	06-JUN-2011 11:29:49	Straylight	45.500	45	Alp Pav	1.9400	26000.	91	48457	No
137	GOM_TRA_1PNPDK20110606_113832_000000443103_00167_48457_0625.N1	06-JUN-2011 11:38:32	Straylight	43.500	40	The Sco	1.8590	7100.0	87	48457	No
138	GOM_TRA_1PNPDK20110606_114018_000000443103_00167_48457_0626.N1	06-JUN-2011 11:40:18	Tw_i_and_stray	43.500	25	35Lam Sco	1.6200	28000.	87	48457	No
139	GOM_TRA_1PNPDK20110606_114155_000000463103_00167_48457_0627.N1	06-JUN-2011 11:41:55	Tw_i_and_stray	46.000	75	26Eps Sco	2.2910	4250.0	92	48457	No
140	GOM_TRA_1PNPDK20110606_114717_000000443103_00167_48457_0628.N1	06-JUN-2011 11:47:17	Bright	43.500	86	35Eta Oph	2.4300	10200.	87	48457	No
141	GOM_TRA_1PNPDK20110606_114904_000000403103_00167_48457_0643.N1	06-JUN-2011 11:49:04	Bright	40.000	98	13Zet Oph	2.5710	30000.	80	48457	No
142	GOM_TRA_1PNPDK20110606_115112_000000383103_00167_48457_0644.N1	06-JUN-2011 11:51:12	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	48457	No
143	GOM_TRA_1PNPDK20110606_115851_000000403103_00167_48457_0645.N1	06-JUN-2011 11:58:51	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	48457	No
144	GOM_TRA_1PNPDK20110606_120205_000000433103_00167_48457_0646.N1	06-JUN-2011 12:02:05	Bright	42.500	133	40Zet Her	2.8070	6000.0	85	48457	No
145	GOM_TRA_1PNPDK20110606_120917_000000403103_00167_48457_0647.N1	06-JUN-2011 12:09:17	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	48457	No
146	GOM_TRA_1PNPDK20110606_122003_000000493103_00167_48457_0648.N1	06-JUN-2011 12:20:03	Bright	49.000	89	5Alp Cep	2.4510	8000.0	98	48457	No
147	GOM_TRA_1PNPDK20110606_122547_000000403103_00167_48457_0649.N1	06-JUN-2011 12:25:47	Bright	39.500	76	27Gam Cas	2.3000	30000.	79	48457	No
148	GOM_TRA_1PNPDK20110606_123131_000000543103_00167_48457_0650.N1	06-JUN-2011 12:31:31	Bright	54.000	73	57Gam1And	2.2600	13100.	108	48457	No
149	GOM_TRA_1PNPDK20110606_123348_000000503103_00167_48457_0651.N1	06-JUN-2011 12:33:48	Bright	49.500	53	43Bet And	2.0480	3300.0	99	48457	No
150	GOM_TRA_1PNPDK20110606_123757_000000443103_00167_48457_0652.N1	06-JUN-2011 12:37:57	Twilight	43.500	105	6Bet Ari	2.6450	8900.0	87	48457	No
151	GOM_TRA_1PNPDK20110606_125749_000000483103_00167_48457_0653.N1	06-JUN-2011 12:57:49	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	48457	No
152	GOM_TRA_1PNPDK20110606_130053_000000633103_00167_48457_0654.N1	06-JUN-2011 13:00:53	Dark	63.000	18	24Alp PsA	1.1660	9700.0	126	48457	No
153	GOM_TRA_1PNPDK20110606_130332_000000493103_00168_48458_0655.N1	06-JUN-2011 13:03:32	Dark	49.000	63	Bet Gru	2.1500	2800.0	98	48458	No
154	GOM_TRA_1PNPDK20110606_130530_000000473103_00168_48458_0656.N1	06-JUN-2011 13:05:30	Dark	47.000	31	Alp Gru	1.7340	15200.	94	48458	No
155	GOM_TRA_1PNPDK20110606_131003_000000433103_00168_48458_0657.N1	06-JUN-2011 13:10:03	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	48458	No
156	GOM_TRA_1PNPDK20110606_131847_000000463103_00168_48458_0658.N1	06-JUN-2011 13:18:47	Straylight	45.500	40	The Sco	1.8590	7100.0	91	48458	No
157	GOM_TRA_1PNPDK20110606_132032_000000463103_00168_48458_0659.N1	06-JUN-2011 13:20:32	Tw_i_and_stray	45.500	25	35Lam Sco	1.6200	28000.	91	48458	No
158	GOM_TRA_1PNPDK20110606_132209_000000463103_00168_48458_0660.N1	06-JUN-2011 13:22:09	Tw_i_and_stray	45.500	75	26Eps Sco	2.2910	4250.0	91	48458	No
159	GOM_TRA_1PNPDK20110606_132731_000000433103_00168_48458_0698.N1	06-JUN-2011 13:27:31	Bright	42.500	86	35Eta Oph	2.4300	10200.	85	48458	No
160	GOM_TRA_1PNPDK20110606_132918_000000413103_00168_48458_0699.N1	06-JUN-2011 13:29:18	Bright	41.000	98	13Zet Oph	2.5710	30000.	82	48458	No
161	GOM_TRA_1PNPDK20110606_133126_000000383103_00168_48458_0700.N1	06-JUN-2011 13:31:26	Bright	37.500	120	1Del Oph	2.7340	3200.0	75	48458	No
162	GOM_TRA_1PNPDK20110606_133905_000000393103_00168_48458_0701.N1	06-JUN-2011 13:39:05	Bright	38.500	127	27Bet Her	2.7810	4700.0	77	48458	No
163	GOM_TRA_1PNPDK20110606_134219_000000453103_00168_48458_0702.N1	06-JUN-2011 13:42:19	Bright	45.000	133	40Zet Her	2.8070	6000.0	90	48458	No
164	GOM_TRA_1PNPDK20110606_134930_000000443103_00168_48458_0703.N1	06-JUN-2011 13:49:30	Bright	44.000	130	23Bet Dra	2.7990	5800.0	88	48458	No
165	GOM_TRA_1PNPDK20110606_140016_000000483103_00168_48458_0704.N1	06-JUN-2011 14:00:16	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	48458	No
166	GOM_TRA_1PNPDK20110606_140601_000000453103_00168_48458_0705.N1	06-JUN-2011 14:06:01	Bright	44.500	76	27Gam Cas	2.3000	30000.	89	48458	No
167	GOM_TRA_1PNPDK20110606_141145_000000363103_00168_48458_0706.N1	06-JUN-2011 14:11:45	Bright	36.000	73	57Gam1And	2.2600	13100.	72	48458	No

168	GOM_TRA_1PNPDK20110606_141402_000000603103_00168_48458_0707.N1	06-JUN-2011 14:14:02	Bright	60.000	53	43Bet And	2.0480	3300.0	120	48458	No
169	GOM_TRA_1PNPDK20110606_141811_000000423103_00168_48458_0708.N1	06-JUN-2011 14:18:11	Twilight	41.500	105	6Bet Ari	2.6450	8900.0	83	48458	No
170	GOM_TRA_1PNPDK20110606_143804_000000493103_00168_48458_0709.N1	06-JUN-2011 14:38:04	Dark	48.500	84	Alp Phe	2.3970	4500.0	97	48458	No
171	GOM_TRA_1PNPDK20110606_144109_000000603103_00168_48458_0710.N1	06-JUN-2011 14:41:09	Dark	59.500	18	24Alp PsA	1.1660	9700.0	119	48458	No
172	GOM_TRA_1PNPDK20110606_144347_000000483103_00169_48459_0711.N1	06-JUN-2011 14:43:47	Dark	47.500	63	Bet Gru	2.1500	2800.0	95	48459	No
173	GOM_TRA_1PNPDK20110606_144545_000000463103_00169_48459_0712.N1	06-JUN-2011 14:45:45	Dark	45.500	31	Alp Gru	1.7340	15200.	91	48459	No
174	GOM_TRA_1PNPDK20110606_145018_000000413103_00169_48459_0713.N1	06-JUN-2011 14:50:18	Straylight	41.000	45	Alp Pav	1.9400	26000.	82	48459	No
175	GOM_TRA_1PNPDK20110606_145901_000000453103_00169_48459_0714.N1	06-JUN-2011 14:59:01	Straylight	45.000	40	The Sco	1.8590	7100.0	90	48459	No
176	GOM_TRA_1PNPDK20110606_150046_000000423103_00169_48459_0715.N1	06-JUN-2011 15:00:46	Tw_i_and_stray	42.000	25	35Lam Sco	1.6200	28000.	84	48459	No
177	GOM_TRA_1PNPDK20110606_150225_000000423103_00169_48459_0716.N1	06-JUN-2011 15:02:25	Tw_i_and_stray	41.500	75	26Eps Sco	2.2910	4250.0	83	48459	No
178	GOM_TRA_1PNPDK20110606_150745_000000433103_00169_48459_0741.N1	06-JUN-2011 15:07:45	Bright	43.000	86	35Eta Oph	2.4300	10200.	86	48459	No
179	GOM_TRA_1PNPDK20110606_150932_000000403103_00169_48459_0742.N1	06-JUN-2011 15:09:32	Bright	39.500	98	13Zet Oph	2.5710	30000.	79	48459	No
180	GOM_TRA_1PNPDK20110606_151140_000000383103_00169_48459_0743.N1	06-JUN-2011 15:11:40	Bright	37.500	120	1Del Oph	2.7340	3200.0	75	48459	No
181	GOM_TRA_1PNPDK20110606_151918_000000393103_00169_48459_0744.N1	06-JUN-2011 15:19:18	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	48459	No
182	GOM_TRA_1PNPDK20110606_152233_000000423103_00169_48459_0745.N1	06-JUN-2011 15:22:33	Bright	41.500	133	40Zet Her	2.8070	6000.0	83	48459	No
183	GOM_TRA_1PNPDK20110606_152944_000000453103_00169_48459_0746.N1	06-JUN-2011 15:29:44	Bright	44.500	130	23Bet Dra	2.7990	5800.0	89	48459	No
184	GOM_TRA_1PNPDK20110606_154030_000000473103_00169_48459_0747.N1	06-JUN-2011 15:40:30	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48459	No
185	GOM_TRA_1PNPDK20110606_154615_000000393103_00169_48459_0748.N1	06-JUN-2011 15:46:15	Bright	38.500	76	27Gam Cas	2.3000	30000.	77	48459	No
186	GOM_TRA_1PNPDK20110606_155159_000000543103_00169_48459_0749.N1	06-JUN-2011 15:51:59	Bright	54.000	73	57Gam1And	2.2600	13100.	108	48459	No
187	GOM_TRA_1PNPDK20110606_155417_000000503103_00169_48459_0750.N1	06-JUN-2011 15:54:17	Bright	49.500	53	43Bet And	2.0480	3300.0	99	48459	No
188	GOM_TRA_1PNPDK20110606_155825_000000433103_00169_48459_0751.N1	06-JUN-2011 15:58:25	Twilight	42.500	105	6Bet Ari	2.6450	8900.0	85	48459	No
189	GOM_TRA_1PNPDK20110606_161818_000000463103_00169_48459_0752.N1	06-JUN-2011 16:18:18	Dark	46.000	84	Alp Phe	2.3970	4500.0	92	48459	No
190	GOM_TRA_1PNPDK20110606_162124_000000573103_00169_48459_0753.N1	06-JUN-2011 16:21:24	Dark	56.500	18	24Alp PsA	1.1660	9700.0	113	48459	No
191	GOM_TRA_1PNPDK20110606_162402_000000613103_00170_48460_0754.N1	06-JUN-2011 16:24:02	Dark	60.500	63	Bet Gru	2.1500	2800.0	121	48460	No
192	GOM_TRA_1PNPDK20110606_162600_000000473103_00170_48460_0755.N1	06-JUN-2011 16:26:00	Dark	47.000	31	Alp Gru	1.7340	15200.	94	48460	No
193	GOM_TRA_1PNPDK20110606_163033_000000433103_00170_48460_0756.N1	06-JUN-2011 16:30:33	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	48460	No
194	GOM_TRA_1PNPDK20110606_163915_000000483103_00170_48460_0757.N1	06-JUN-2011 16:39:15	Straylight	47.500	40	The Sco	1.8590	7100.0	95	48460	No
195	GOM_TRA_1PNPDK20110606_164101_000000463103_00170_48460_0758.N1	06-JUN-2011 16:41:01	Tw_i_and_stray	46.000	25	35Lam Sco	1.6200	28000.	92	48460	No
196	GOM_TRA_1PNPDK20110606_164335_000000683103_00170_48460_0768.N1	06-JUN-2011 16:43:35	Bright	67.500	137	22Lam Sgr	2.8240	4400.0	135	48460	No
197	GOM_TRA_1PNPDK20110606_164800_000000443103_00170_48460_0769.N1	06-JUN-2011 16:48:00	Bright	43.500	86	35Eta Oph	2.4300	10200.	87	48460	No
198	GOM_TRA_1PNPDK20110606_164947_000000403103_00170_48460_0770.N1	06-JUN-2011 16:49:47	Bright	39.500	98	13Zet Oph	2.5710	30000.	79	48460	No
199	GOM_TRA_1PNPDK20110606_165154_000000383103_00170_48460_0771.N1	06-JUN-2011 16:51:54	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	48460	No
200	GOM_TRA_1PNPDK20110606_165932_000000403103_00170_48460_0772.N1	06-JUN-2011 16:59:32	Bright	39.500	127	27Bet Her	2.7810	4700.0	79	48460	No
201	GOM_TRA_1PNPDK20110606_170246_000000473103_00170_48460_0773.N1	06-JUN-2011 17:02:46	Bright	47.000	133	40Zet Her	2.8070	6000.0	94	48460	No
202	GOM_TRA_1PNPDK20110606_170957_000000433103_00170_48460_0774.N1	06-JUN-2011 17:09:57	Bright	43.000	130	23Bet Dra	2.7990	5800.0	86	48460	No
203	GOM_TRA_1PNPDK20110606_172043_000000493103_00170_48460_0775.N1	06-JUN-2011 17:20:43	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	48460	No
204	GOM_TRA_1PNPDK20110606_172628_000000573103_00170_48460_0776.N1	06-JUN-2011 17:26:28	Bright	56.500	76	27Gam Cas	2.3000	30000.	113	48460	No
205	GOM_TRA_1PNPDK20110606_173213_000000383103_00170_48460_0777.N1	06-JUN-2011 17:32:13	Bright	37.500	73	57Gam1And	2.2600	13100.	75	48460	No
206	GOM_TRA_1PNPDK20110606_173431_000000533103_00170_48460_0778.N1	06-JUN-2011 17:34:31	Bright	53.000	53	43Bet And	2.0480	3300.0	106	48460	No
207	GOM_TRA_1PNPDK20110606_173840_000000443103_00170_48460_0779.N1	06-JUN-2011 17:38:40	Twilight	43.500	105	6Bet Ari	2.6450	8900.0	87	48460	No
208	GOM_TRA_1PNPDK20110606_175200_000000503103_00170_48460_0780.N1	06-JUN-2011 17:52:00	Dark	49.500	52	16Bet Cet	2.0370	4500.0	99	48460	No
209	GOM_TRA_1PNPDK20110606_175833_000000473103_00170_48460_0781.N1	06-JUN-2011 17:58:33	Dark	47.000	84	Alp Phe	2.3970	4500.0	94	48460	No
210	GOM_TRA_1PNPDK20110606_180140_000000733103_00170_48460_0782.N1	06-JUN-2011 18:01:40	Dark	73.000	18	24Alp PsA	1.1660	9700.0	146	48460	No
211	GOM_TRA_1PNPDK20110606_180417_000000643103_00171_48461_0783.N1	06-JUN-2011 18:04:17	Dark	63.500	63	Bet Gru	2.1500	2800.0	127	48461	No
212	GOM_TRA_1PNPDK20110606_180615_000000473103_00171_48461_0784.N1	06-JUN-2011 18:06:15	Dark	47.000	31	Alp Gru	1.7340	15200.	94	48461	No
213	GOM_TRA_1PNPDK20110606_181047_000000423103_00171_48461_0785.N1	06-JUN-2011 18:10:47	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48461	No
214	GOM_TRA_1PNPDK20110606_181930_000000453103_00171_48461_0800.N1	06-JUN-2011 18:19:30	Straylight	45.000	40	The Sco	1.8590	7100.0	90	48461	No
215	GOM_TRA_1PNPDK20110606_182115_000000523103_00171_48461_0801.N1	06-JUN-2011 18:21:15	Tw_i_and_stray	51.500	25	35Lam Sco	1.6200	28000.	103	48461	No
216	GOM_TRA_1PNPDK20110606_182349_000000593103_00171_48461_0802.N1	06-JUN-2011 18:23:49	Bright	59.000	137	22Lam Sgr	2.8240	4400.0	118	48461	No
217	GOM_TRA_1PNPDK20110606_182814_000000443103_00171_48461_0803.N1	06-JUN-2011 18:28:14	Bright	43.500	86	35Eta Oph	2.4300	10200.	87	48461	No
218	GOM_TRA_1PNPDK20110606_183000_000000393103_00171_48461_0804.N1	06-JUN-2011 18:30:00	Bright	39.000	98	13Zet Oph	2.5710	30000.	78	48461	No
219	GOM_TRA_1PNPDK20110606_183208_000000383103_00171_48461_0805.N1	06-JUN-2011 18:32:08	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	48461	No
220	GOM_TRA_1PNPDK20110606_183946_000000413103_00171_48461_0806.N1	06-JUN-2011 18:39:46	Bright	41.000	127	27Bet Her	2.7810	4700.0	82	48461	No
221	GOM_TRA_1PNPDK20110606_184300_000000413103_00171_48461_0807.N1	06-JUN-2011 18:43:00	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	48461	No
222	GOM_TRA_1PNPDK20110606_185011_000000443103_00171_48461_0808.N1	06-JUN-2011 18:50:11	Bright	43.500	130	23Bet Dra	2.7990	5800.0	87	48461	No
223	GOM_TRA_1PNPDK20110606_190056_000000493103_00171_48461_0809.N1	06-JUN-2011 19:00:56	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	48461	No
224	GOM_TRA_1PNPDK20110606_190642_000000383103_00171_48461_0810.N1	06-JUN-2011 19:06:42	Bright	37.500	76	27Gam Cas	2.3000	30000.	75	48461	No
225	GOM_TRA_1PNPDK20110606_191227_000000543103_00171_48461_0811.N1	06-JUN-2011 19:12:27	Bright	54.000	73	57Gam1And	2.2600	13100.	108	48461	No
226	GOM_TRA_1PNPDK20110606_191445_000000603103_00171_48461_0812.N1	06-JUN-2011 19:14:45	Bright	60.000	53	43Bet And	2.0480	3300.0	120	48461	No

227	GOM_TRA_1PNPDK20110606_191854_000000433103_00171_48461_0813.N1	06-JUN-2011 19:18:54	Twilight	43.000	105	6Bet Ari	2.6450	8900.0	86	48461	No
228	GOM_TRA_1PNPDK20110606_193214_000000533103_00171_48461_0814.N1	06-JUN-2011 19:32:14	Dark	53.000	52	16Bet Cet	2.0370	4500.0	106	48461	No
229	GOM_TRA_1PNPDK20110606_193848_000000493103_00171_48461_0815.N1	06-JUN-2011 19:38:48	Dark	48.500	84	Alp Phe	2.3970	4500.0	97	48461	No
230	GOM_TRA_1PNPDK20110606_194155_000000573103_00171_48461_0816.N1	06-JUN-2011 19:41:55	Dark	57.000	18	24Alp PsA	1.1660	9700.0	114	48461	No
231	GOM_TRA_1PNPDK20110606_194432_000000623103_00172_48462_0817.N1	06-JUN-2011 19:44:32	Dark	62.000	63	Bet Gru	2.1500	2800.0	124	48462	No
232	GOM_TRA_1PNPDK20110606_194630_000000493103_00172_48462_0818.N1	06-JUN-2011 19:46:30	Dark	48.500	31	Alp Gru	1.7340	15200.	97	48462	No
233	GOM_TRA_1PNPDK20110606_195102_000000423103_00172_48462_0819.N1	06-JUN-2011 19:51:02	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48462	No
234	GOM_TRA_1PNPDE20110606_195944_000000493103_00172_48462_3617.N1	06-JUN-2011 19:59:44	Straylight	49.000	40	The Sco	1.8590	7100.0	98	48462	No
235	GOM_TRA_1PNPDE20110606_200129_000000463103_00172_48462_3618.N1	06-JUN-2011 20:01:29	Twilight	45.500	25	35Lam Sco	1.6200	28000.	91	48462	No
236	GOM_TRA_1PNPDE20110606_200404_000000623103_00172_48462_3619.N1	06-JUN-2011 20:04:04	Bright	61.500	137	22Lam Sgr	2.8240	4400.0	123	48462	No
237	GOM_TRA_1PNPDE20110606_200828_000000433103_00172_48462_3620.N1	06-JUN-2011 20:08:28	Bright	42.500	86	35Eta Oph	2.4300	10200.	85	48462	No
238	GOM_TRA_1PNPDE20110606_201015_000000393103_00172_48462_3621.N1	06-JUN-2011 20:10:15	Bright	39.000	98	13Zet Oph	2.5710	30000.	78	48462	No
239	GOM_TRA_1PNPDE20110606_201222_000000383103_00172_48462_3622.N1	06-JUN-2011 20:12:22	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	48462	No
240	GOM_TRA_1PNPDE20110606_201832_000000293103_00172_48462_3623.N1	06-JUN-2011 20:18:32	Twilight	29.000	59	55Alp Oph	2.0800	8900.0	58	48462	No
241	GOM_TRA_1PNPDE20110606_202000_000000413103_00172_48462_3624.N1	06-JUN-2011 20:20:00	Bright	41.000	127	27Bet Her	2.7810	4700.0	82	48462	No
242	GOM_TRA_1PNPDE20110606_202313_000000413103_00172_48462_3625.N1	06-JUN-2011 20:23:13	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	48462	No
243	GOM_TRA_1PNPDE20110606_203024_000000423103_00172_48462_3626.N1	06-JUN-2011 20:30:24	Bright	41.500	130	23Bet Dra	2.7990	5800.0	83	48462	No
244	GOM_TRA_1PNPDE20110606_204110_000000493103_00172_48462_3627.N1	06-JUN-2011 20:41:10	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	48462	No
245	GOM_TRA_1PNPDE20110606_204656_000000503103_00172_48462_3628.N1	06-JUN-2011 20:46:56	Bright	49.500	76	27Gam Cas	2.3000	30000.	99	48462	No
246	GOM_TRA_1PNPDE20110606_205241_000000553103_00172_48462_3629.N1	06-JUN-2011 20:52:41	Bright	55.000	73	57Gam1And	2.2600	13100.	110	48462	No
247	GOM_TRA_1PNPDE20110606_205459_000000523103_00172_48462_3630.N1	06-JUN-2011 20:54:59	Bright	52.000	53	43Bet And	2.0480	3300.0	104	48462	No
248	GOM_TRA_1PNPDE20110606_205908_000000433103_00172_48462_3631.N1	06-JUN-2011 20:59:08	Twilight	42.500	105	6Bet Ari	2.6450	8900.0	85	48462	No
249	GOM_TRA_1PNPDE20110606_211229_000000503103_00172_48462_3642.N1	06-JUN-2011 21:12:29	Dark	50.000	52	16Bet Cet	2.0370	4500.0	100	48462	No
250	GOM_TRA_1PNPDE20110606_211902_000000453103_00172_48462_3643.N1	06-JUN-2011 21:19:02	Dark	45.000	84	Alp Phe	2.3970	4500.0	90	48462	No
251	GOM_TRA_1PNPDE20110606_212211_000000663103_00172_48462_3644.N1	06-JUN-2011 21:22:11	Dark	66.000	18	24Alp PsA	1.1660	9700.0	132	48462	No
252	GOM_TRA_1PNPDE20110606_212447_000000503103_00173_48463_3645.N1	06-JUN-2011 21:24:47	Dark	50.000	63	Bet Gru	2.1500	2800.0	100	48463	No
253	GOM_TRA_1PNPDE20110606_212645_000000483103_00173_48463_3646.N1	06-JUN-2011 21:26:45	Dark	48.000	31	Alp Gru	1.7340	15200.	96	48463	No
254	GOM_TRA_1PNPDE20110606_213116_000000423103_00173_48463_3647.N1	06-JUN-2011 21:31:16	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48463	No
255	GOM_TRA_1PNPDE20110606_213958_000000463103_00173_48463_3648.N1	06-JUN-2011 21:39:58	Straylight	46.000	40	The Sco	1.8590	7100.0	92	48463	No
256	GOM_TRA_1PNPDE20110606_214143_000000473103_00173_48463_3649.N1	06-JUN-2011 21:41:43	Twilight	46.500	25	35Lam Sco	1.6200	28000.	93	48463	No
257	GOM_TRA_1PNPDE20110606_214418_000000613103_00173_48463_3650.N1	06-JUN-2011 21:44:18	Bright	60.500	137	22Lam Sgr	2.8240	4400.0	121	48463	No
258	GOM_TRA_1PNPDE20110606_214842_000000433103_00173_48463_3651.N1	06-JUN-2011 21:48:42	Bright	42.500	86	35Eta Oph	2.4300	10200.	85	48463	No
259	GOM_TRA_1PNPDE20110606_215029_000000403103_00173_48463_3652.N1	06-JUN-2011 21:50:29	Bright	40.000	98	13Zet Oph	2.5710	30000.	80	48463	No
260	GOM_TRA_1PNPDE20110606_215236_000000383103_00173_48463_3653.N1	06-JUN-2011 21:52:36	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	48463	No
261	GOM_TRA_1PNPDE20110606_215846_000000293103_00173_48463_3654.N1	06-JUN-2011 21:58:46	Twilight	29.000	59	55Alp Oph	2.0800	8900.0	58	48463	No
262	GOM_TRA_1PNPDE20110606_220013_000000403103_00173_48463_3655.N1	06-JUN-2011 22:00:13	Bright	39.500	127	27Bet Her	2.7810	4700.0	79	48463	No
263	GOM_TRA_1PNPDE20110606_220327_000000403103_00173_48463_3656.N1	06-JUN-2011 22:03:27	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	48463	No
264	GOM_TRA_1PNPDE20110606_221037_000000443103_00173_48463_3657.N1	06-JUN-2011 22:10:37	Bright	44.000	130	23Bet Dra	2.7990	5800.0	88	48463	No
265	GOM_TRA_1PNPDE20110606_222123_000000473103_00173_48463_3658.N1	06-JUN-2011 22:21:23	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48463	No
266	GOM_TRA_1PNPDE20110606_222710_000000583103_00173_48463_3659.N1	06-JUN-2011 22:27:10	Bright	58.000	76	27Gam Cas	2.3000	30000.	116	48463	No
267	GOM_TRA_1PNPDE20110606_223255_000000373103_00173_48463_3660.N1	06-JUN-2011 22:32:55	Bright	36.500	73	57Gam1And	2.2600	13100.	73	48463	No
268	GOM_TRA_1PNPDE20110606_223513_000000613103_00173_48463_3661.N1	06-JUN-2011 22:35:13	Bright	61.000	53	43Bet And	2.0480	3300.0	122	48463	No
269	GOM_TRA_1PNPDE20110606_223922_000000443103_00173_48463_3662.N1	06-JUN-2011 22:39:22	Twilight	44.000	105	6Bet Ari	2.6450	8900.0	88	48463	No
270	GOM_TRA_1PNPDE20110606_225244_000000473103_00173_48463_3664.N1	06-JUN-2011 22:52:44	Dark	46.500	52	16Bet Cet	2.0370	4500.0	93	48463	No
271	GOM_TRA_1PNPDE20110606_225917_000000453103_00173_48463_3665.N1	06-JUN-2011 22:59:17	Dark	44.500	84	Alp Phe	2.3970	4500.0	89	48463	No
272	GOM_TRA_1PNPDE20110606_230226_000000593103_00173_48463_3666.N1	06-JUN-2011 23:02:26	Dark	59.000	18	24Alp PsA	1.1660	9700.0	118	48463	No
273	GOM_TRA_1PNPDE20110606_230502_000000493103_00174_48464_3667.N1	06-JUN-2011 23:05:02	Dark	49.000	63	Bet Gru	2.1500	2800.0	98	48464	No
274	GOM_TRA_1PNPDE20110606_230700_000000493103_00174_48464_3668.N1	06-JUN-2011 23:07:00	Dark	48.500	31	Alp Gru	1.7340	15200.	97	48464	No
275	GOM_TRA_1PNPDE20110606_231131_000000423103_00174_48464_3669.N1	06-JUN-2011 23:11:31	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48464	No
276	GOM_TRA_1PNPDE20110606_232013_000000473103_00174_48464_3670.N1	06-JUN-2011 23:20:13	Straylight	46.500	40	The Sco	1.8590	7100.0	93	48464	No
277	GOM_TRA_1PNPDE20110606_232158_000000483103_00174_48464_3671.N1	06-JUN-2011 23:21:58	Twilight	47.500	25	35Lam Sco	1.6200	28000.	95	48464	No
278	GOM_TRA_1PNPDE20110606_232432_000000663103_00174_48464_3672.N1	06-JUN-2011 23:24:32	Bright	66.000	137	22Lam Sgr	2.8240	4400.0	132	48464	No
279	GOM_TRA_1PNPDE20110606_232856_000000433103_00174_48464_3673.N1	06-JUN-2011 23:28:56	Bright	42.500	86	35Eta Oph	2.4300	10200.	85	48464	No
280	GOM_TRA_1PNPDE20110606_233043_000000393103_00174_48464_3674.N1	06-JUN-2011 23:30:43	Bright	39.000	98	13Zet Oph	2.5710	30000.	78	48464	No
281	GOM_TRA_1PNPDE20110606_233250_000000383103_00174_48464_3675.N1	06-JUN-2011 23:32:50	Bright	37.500	120	1Del Oph	2.7340	3200.0	75	48464	No
282	GOM_TRA_1PNPDE20110606_233859_000000363103_00174_48464_3676.N1	06-JUN-2011 23:38:59	Bright	36.000	59	55Alp Oph	2.0800	8900.0	72	48464	No
283	GOM_TRA_1PNPDE20110606_234027_000000403103_00174_48464_3677.N1	06-JUN-2011 23:40:27	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	48464	No
284	GOM_TRA_1PNPDE20110606_234341_000000393103_00174_48464_3678.N1	06-JUN-2011 23:43:41	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	48464	No
285	GOM_TRA_1PNPDE20110606_235051_000000433103_00174_48464_3679.N1	06-JUN-2011 23:50:51	Bright	42.500	130	23Bet Dra	2.7990	5800.0	85	48464	No

3. Plot of GOMOS spectrometers and photometers temperatures from level 1b data



4. Overview of dark signal processing per product

The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount its value measured on ground at the same temperature) and the "Random Telegraphic Signal" (abrupt change positive or negative of the CCD pixel signal, random in time, affecting only the DC part of the signal and not the photon generated signal).

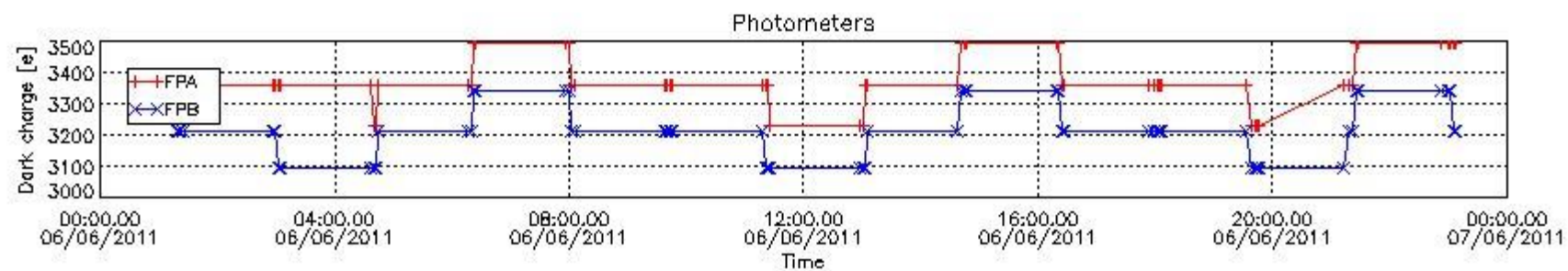
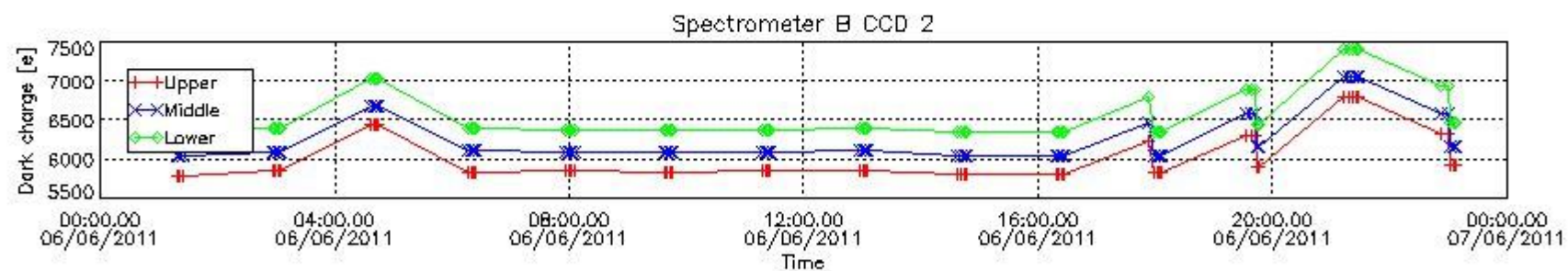
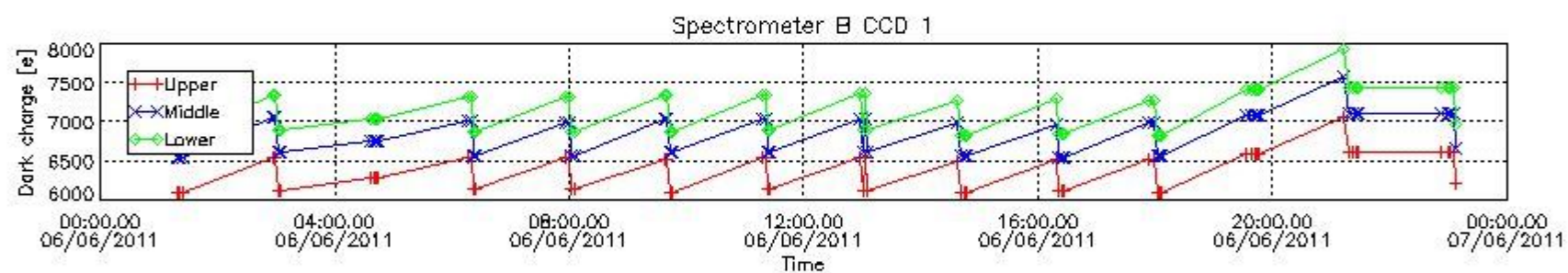
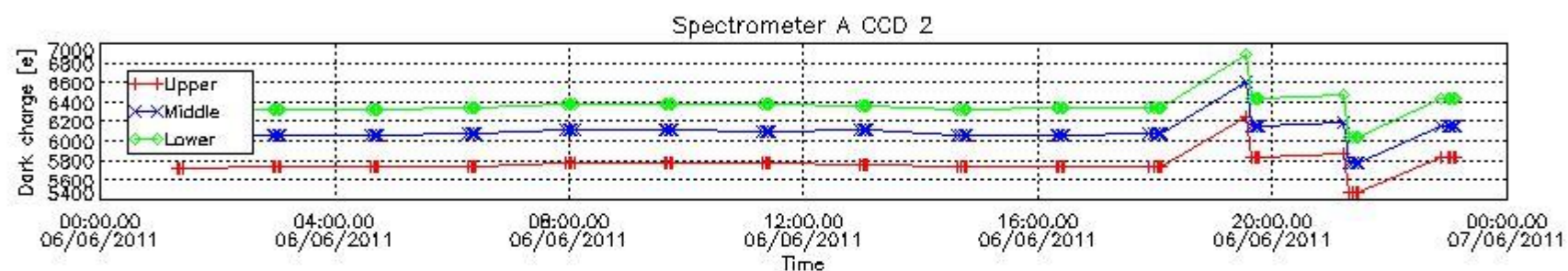
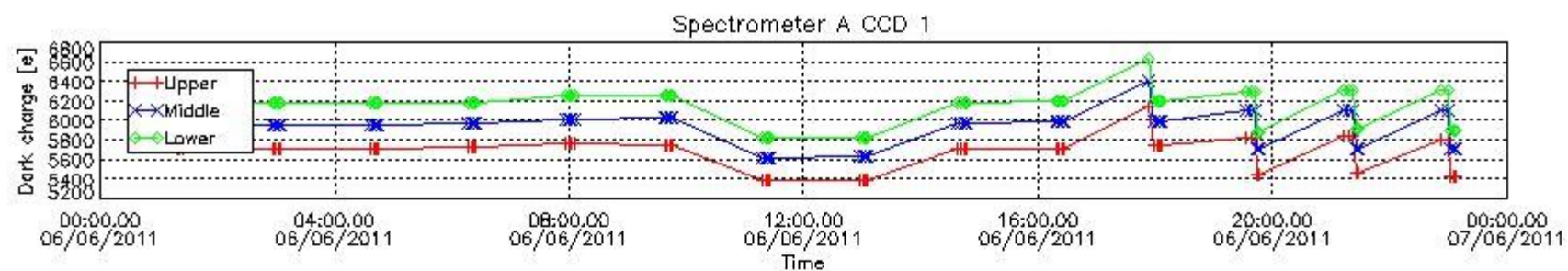
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

4.1 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDE20110606_195944_000000493103_00172_48462_3617.N1	DC map used
GOM_TRA_1PNPDE20110606_200129_000000463103_00172_48462_3618.N1	DC map used
GOM_TRA_1PNPDE20110606_200404_000000623103_00172_48462_3619.N1	DC map used
GOM_TRA_1PNPDE20110606_200828_000000433103_00172_48462_3620.N1	DC map used
GOM_TRA_1PNPDE20110606_201015_000000393103_00172_48462_3621.N1	DC map used
GOM_TRA_1PNPDE20110606_201222_000000383103_00172_48462_3622.N1	DC map used
GOM_TRA_1PNPDE20110606_201832_000000293103_00172_48462_3623.N1	DC map used
GOM_TRA_1PNPDE20110606_202000_000000413103_00172_48462_3624.N1	DC map used
GOM_TRA_1PNPDE20110606_202313_000000413103_00172_48462_3625.N1	DC map used
GOM_TRA_1PNPDE20110606_203024_000000423103_00172_48462_3626.N1	DC map used

GOM_TRA_1PNPDE20110606_204110_000000493103_00172_48462_3627.N1	DC map used
GOM_TRA_1PNPDE20110606_204656_000000503103_00172_48462_3628.N1	DC map used
GOM_TRA_1PNPDE20110606_205241_000000553103_00172_48462_3629.N1	DC map used
GOM_TRA_1PNPDE20110606_205459_000000523103_00172_48462_3630.N1	DC map used
GOM_TRA_1PNPDE20110606_205908_000000433103_00172_48462_3631.N1	DC map used

4.2 Plot of mean dark charges per product: only products in DARK limb conditions without errors are used



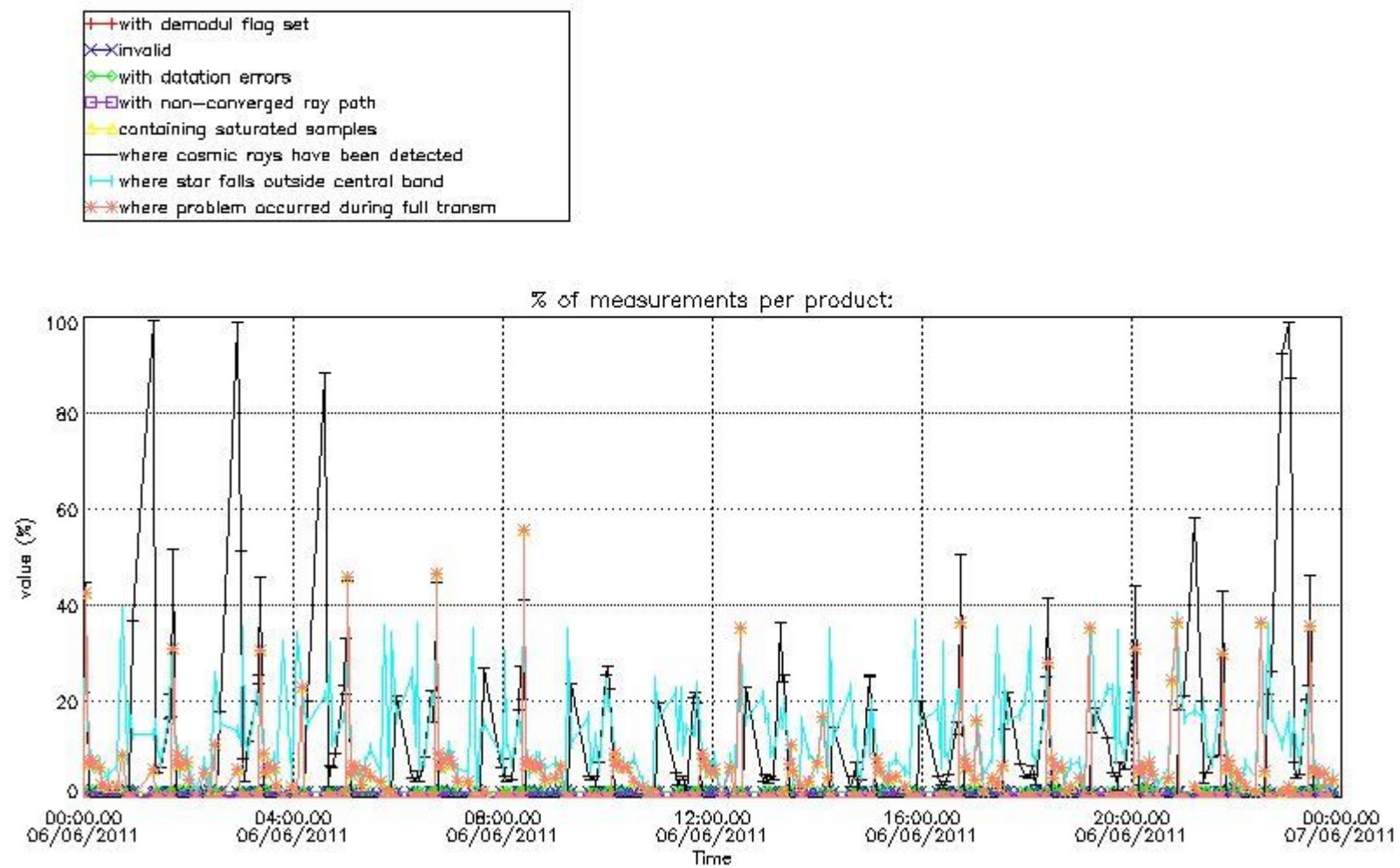
5. Demodulation flag and quality information monitoring

In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

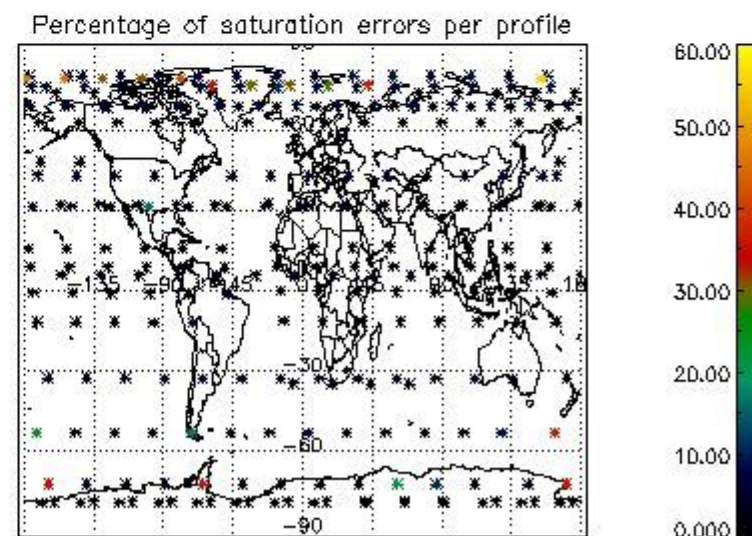
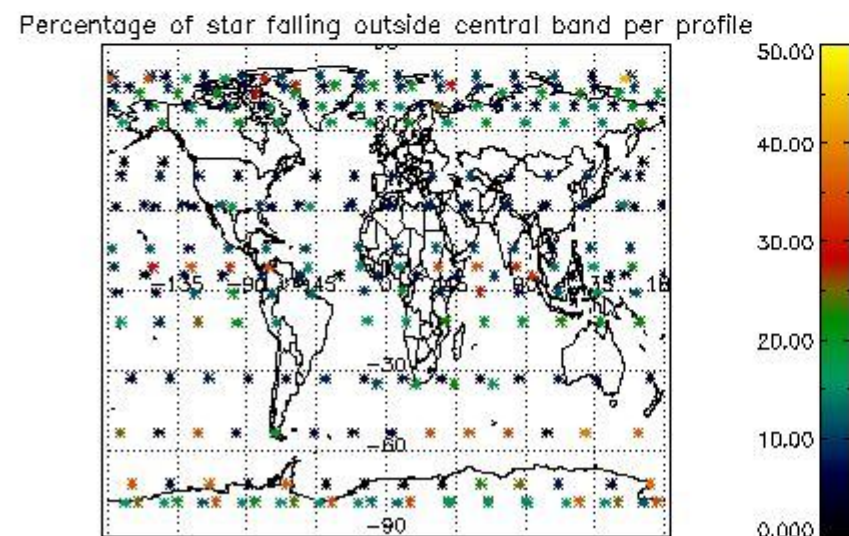
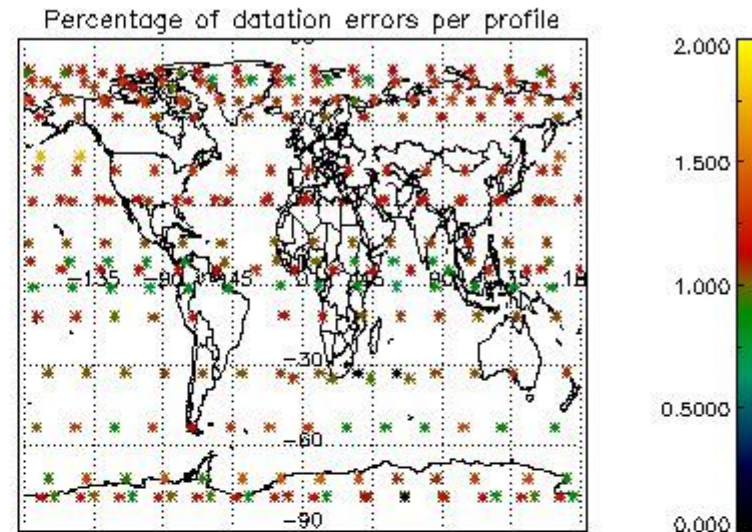
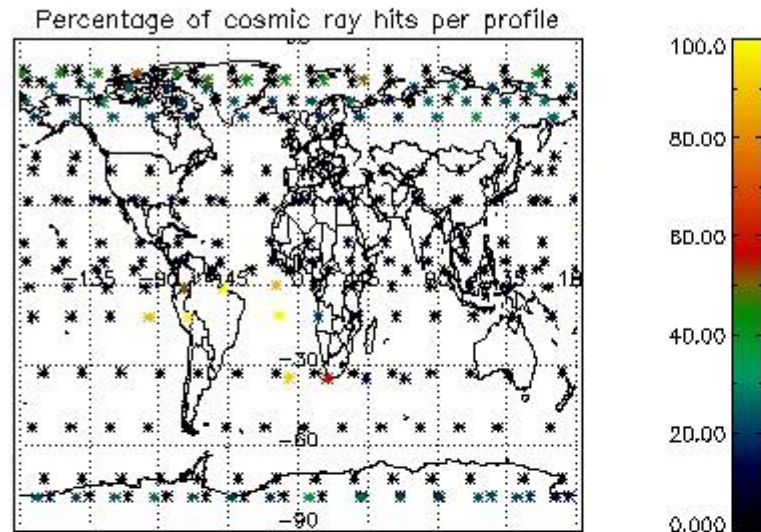
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	43.1579 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



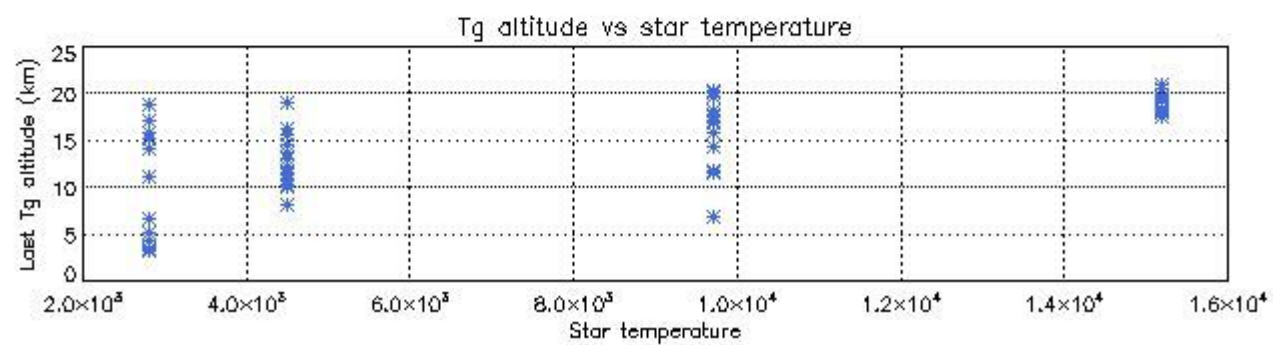
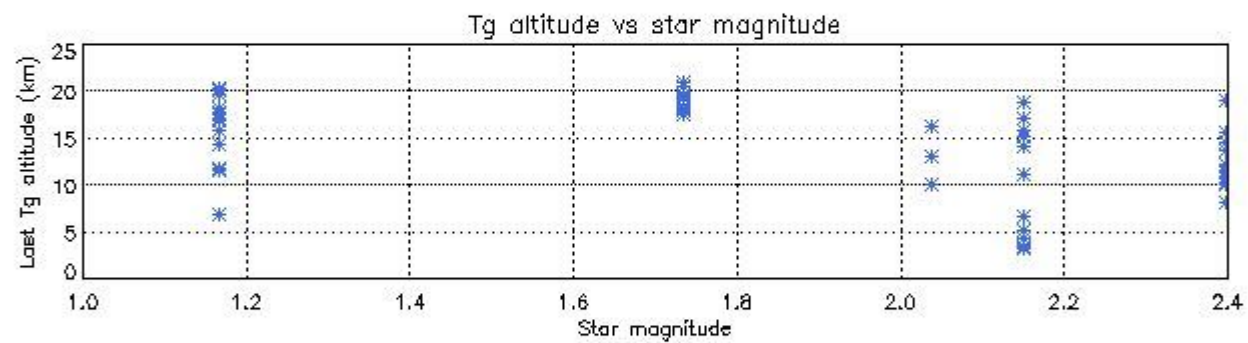
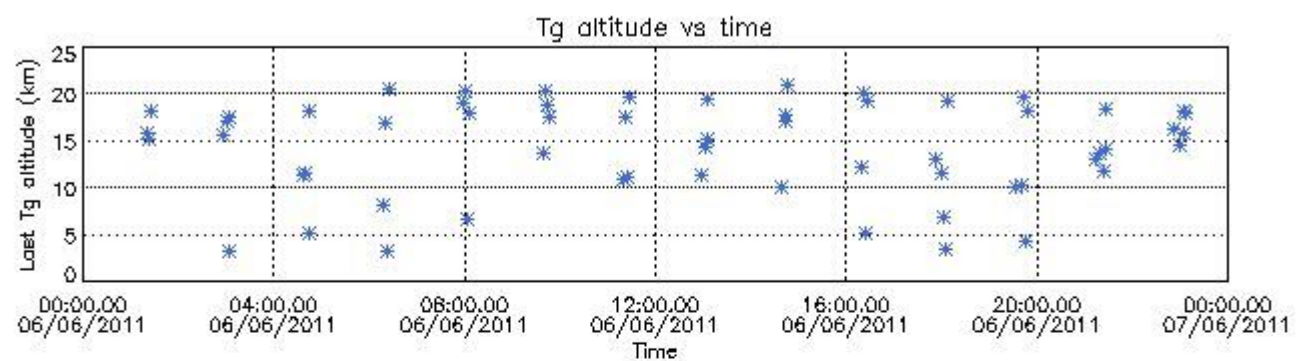
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.307	17.737	13.765
St. deviation:	4.9961	6.8964	0.93103
Maximum:	20.959	49.886	16.310
Minimum:	3.3093	1.4384	12.663
Number of data:	59.000	158.00	14.000

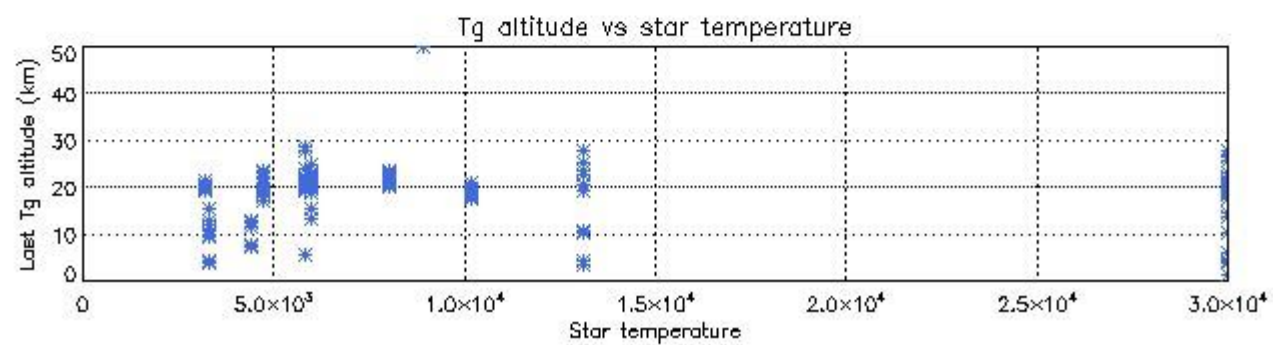
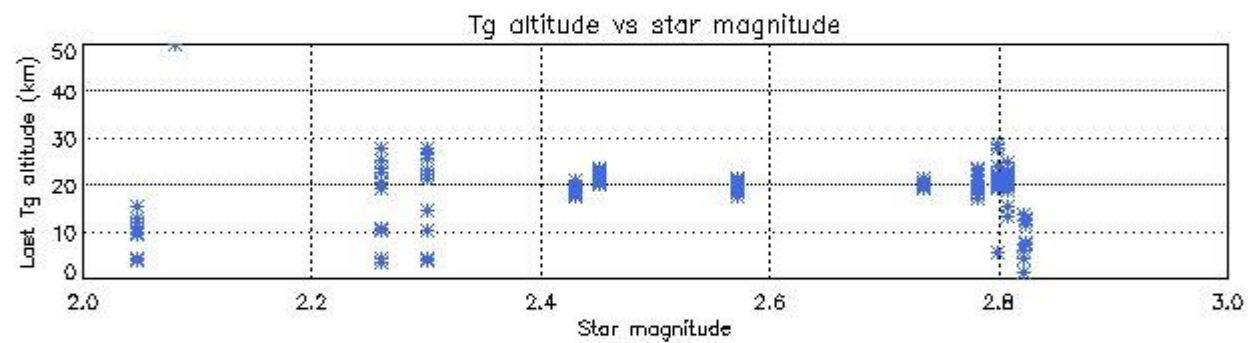
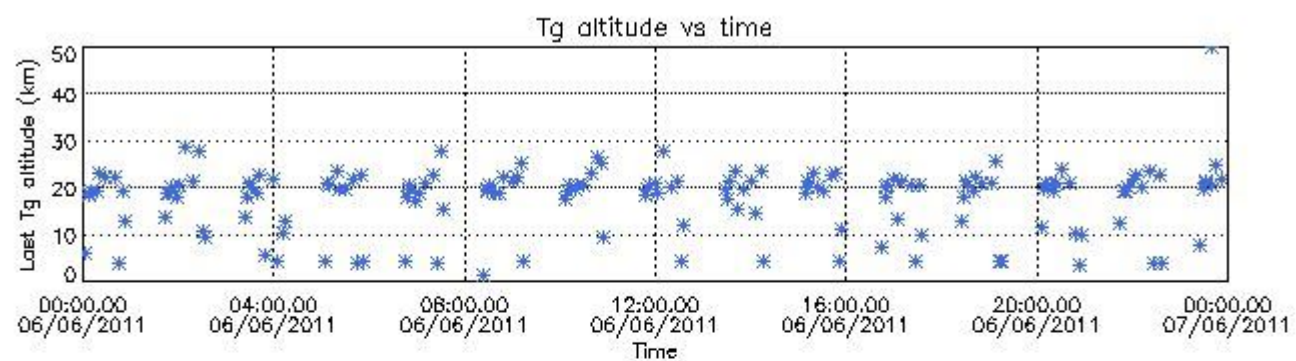
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



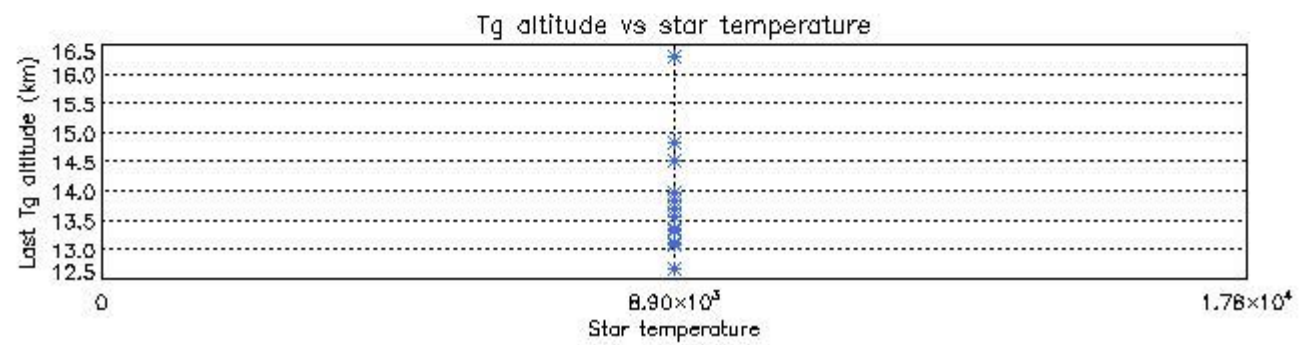
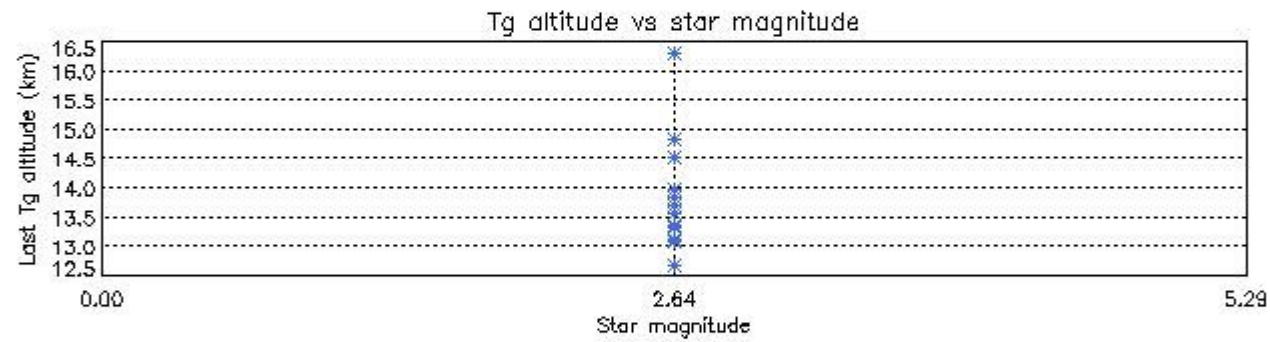
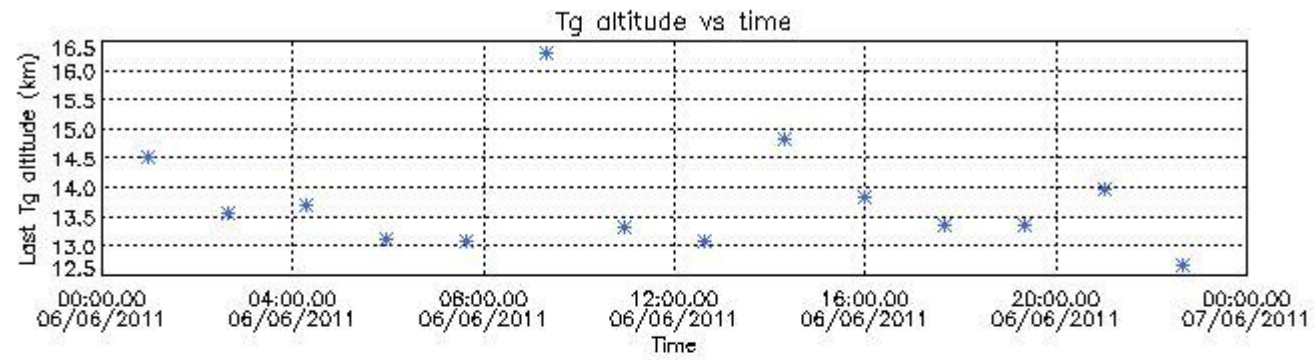
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

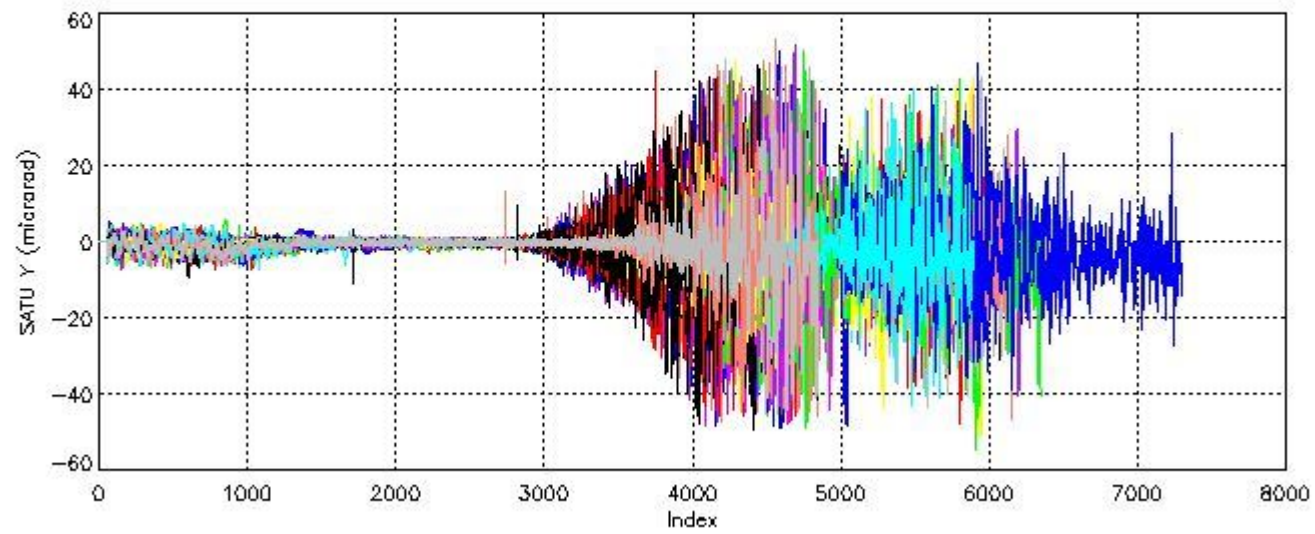
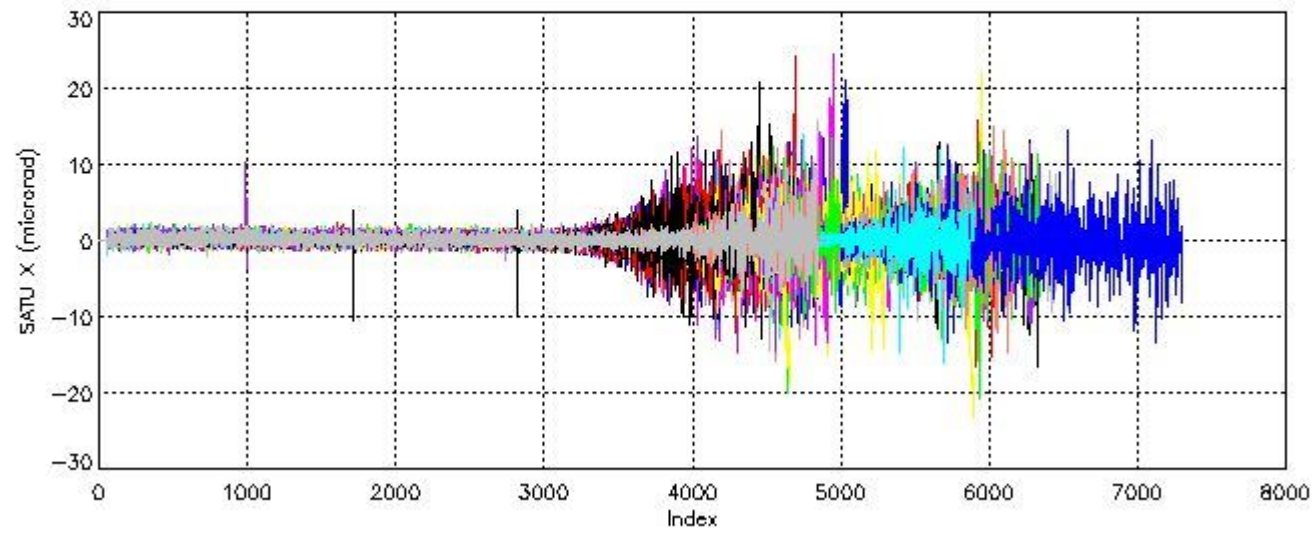


7. Star Acquisition and Tracking Unit (SATU)

The Star Acquisition and Tracking Unit (SATU) analyses the position of the tracked star beam collected by the GOMOS telescope and deflected by the optical beam dispatcher. The main function of the SATU is to detect a star, provide its image position to the science data electronics and to help the pointing function to keep the star image at a fixed position. In tracking mode the SATU data is recorded with a frequency of 100 Hz.

7.1 SATU 'X' and 'Y' axis plots (dark limb)

SATU CCD 'X' and 'Y' axis plots are provided in order to detect any abnormal behaviour of the tracking system. For every occultation (color) the plot should remain stable (with some noise) until we are deep in the atmosphere where big fluctuations are registered due to the refractive effects.



7.2 Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere.

Statistics (in microradians) above 105 km are computed for every occultation, giving four values per occultation: one in the 'X' direction and one in the 'Y' direction for dark and bright limbs. A mean value per day in every direction and limb is calculated and monitored in order to assess instrument performance in terms of star pointing.

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.23694	-1.0848	0.24847	-1.1134
St. deviation:	0.34517	1.4767	0.73214	1.4543
Maximum:	2.4000	5.6000	5.2000	5.6000
Minimum:	-2.0000	-9.5000	-4.6000	-9.5000

Number of data:	66600.	66600.	1.5485E+05	1.5485E+05
90Percentile:	0.70000	0.70000	1.3000	0.60000

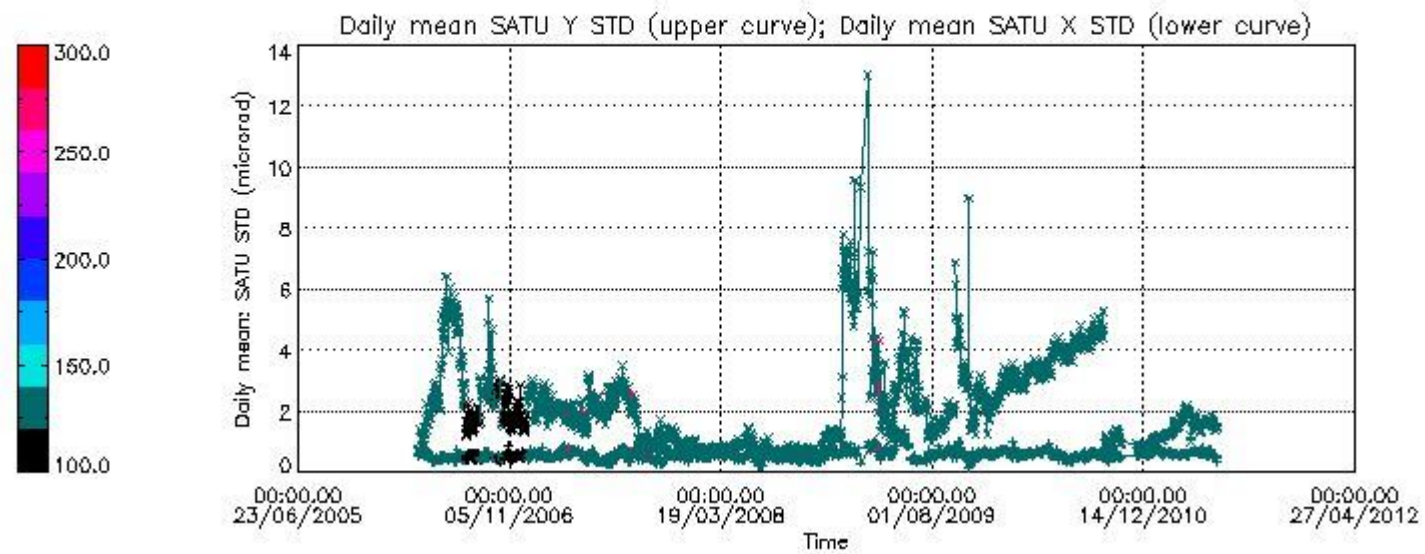
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

The long term trend of the SATU 'X' and 'Y' standard deviations should be constant during the whole mission.

The colorbar represents the start tangent altitude (km) of the occultations.

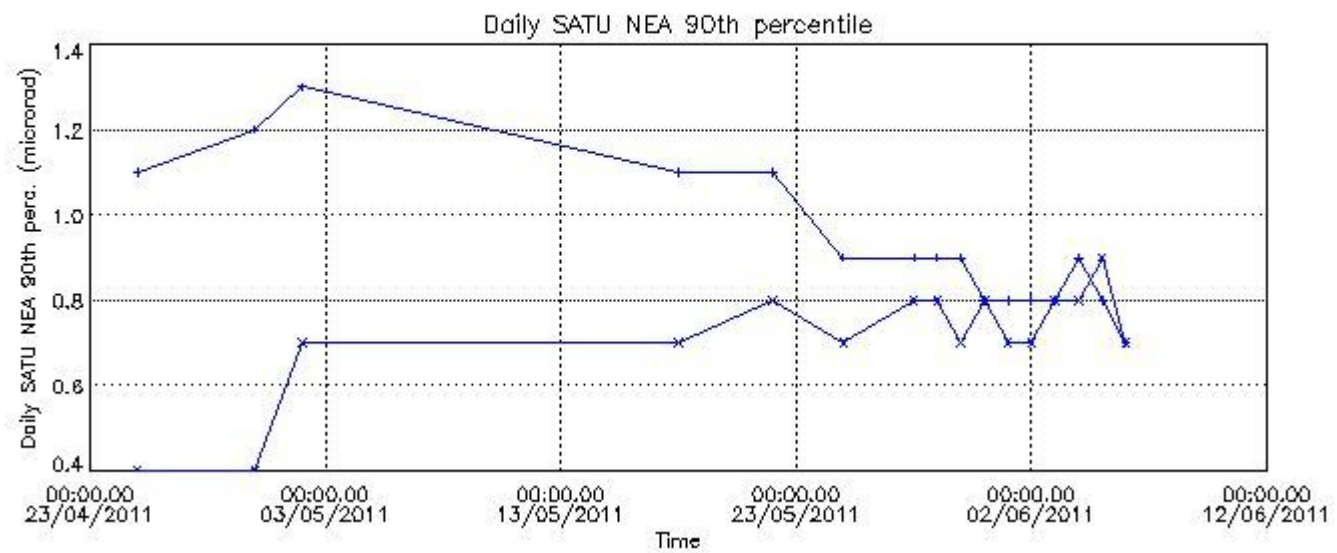
Upper curve: STD of SATU Y axis

Lower curve: STD of SATU X axis



Lower curve: 90th percentile of SATU Y axis

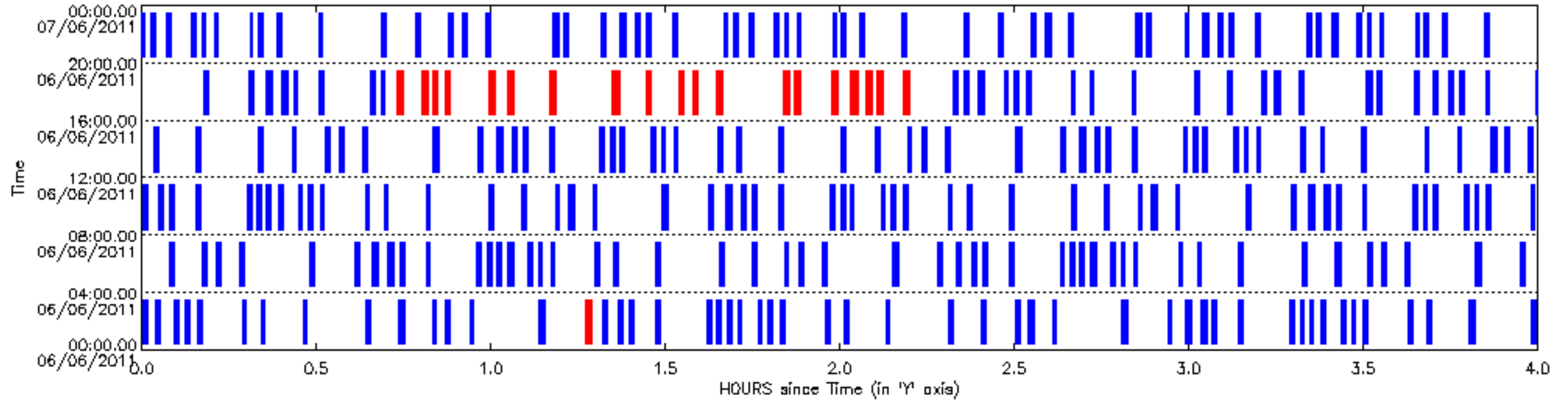
Upper curve: 90th percentile of SATU X axis

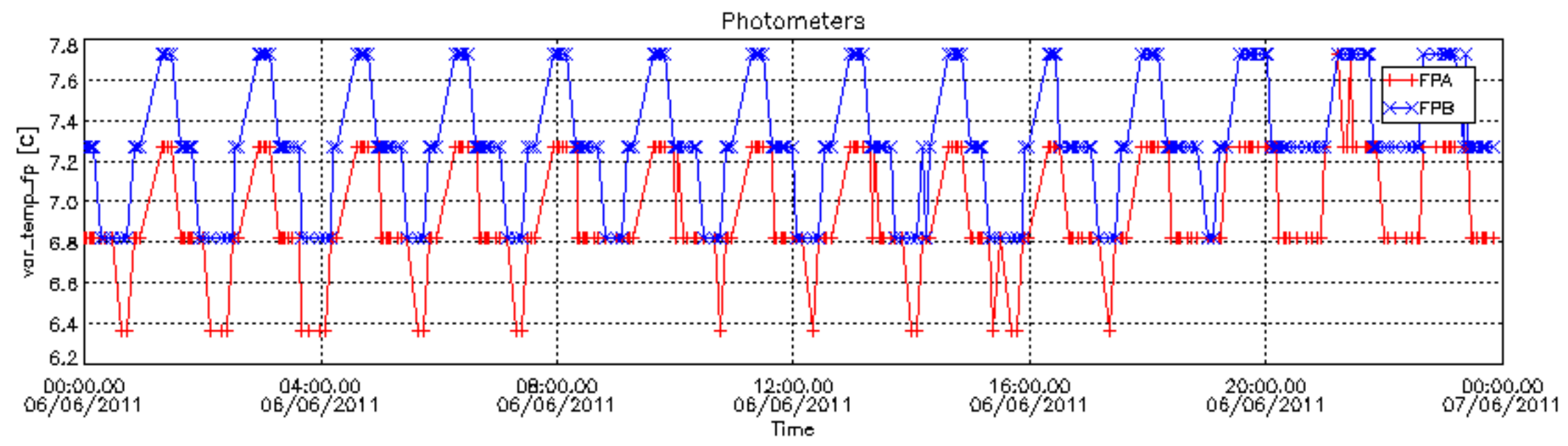
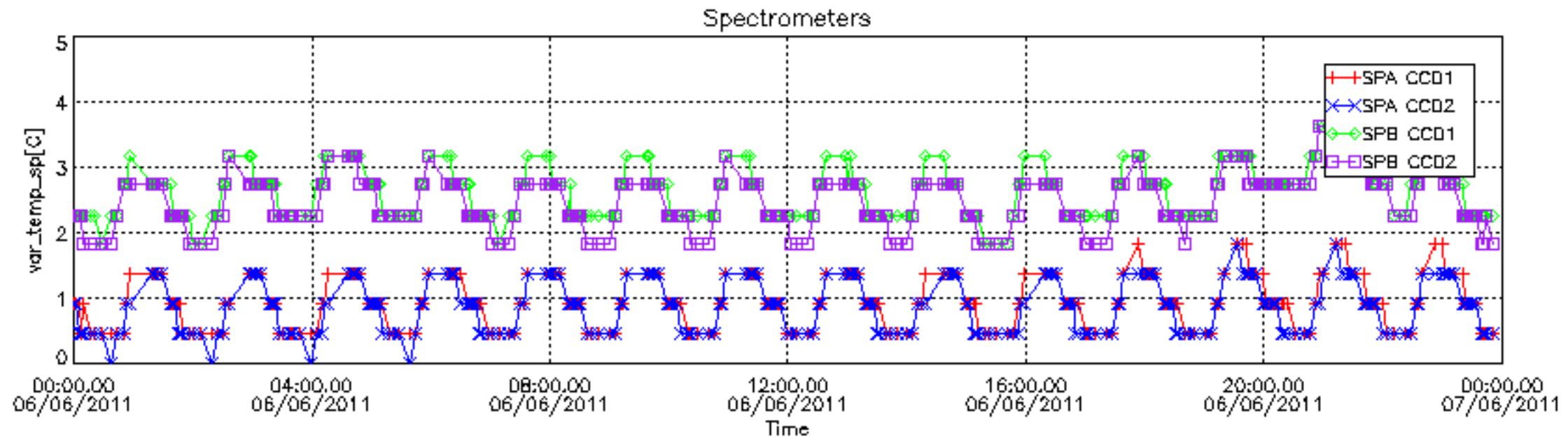


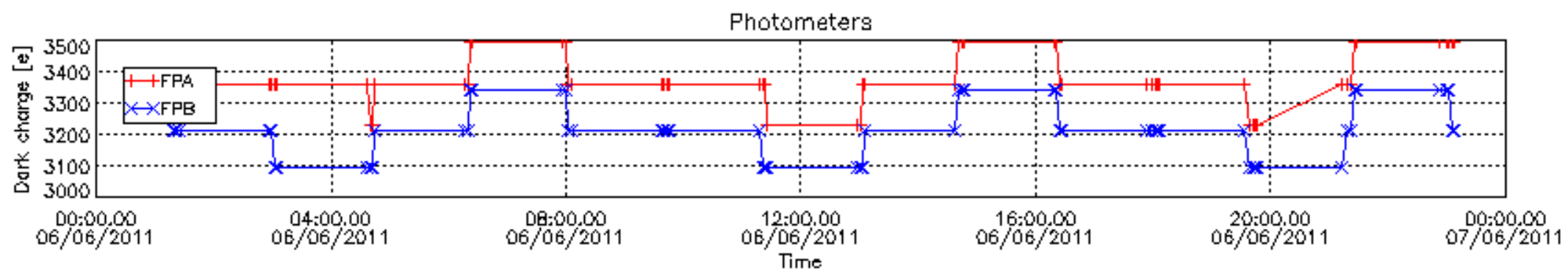
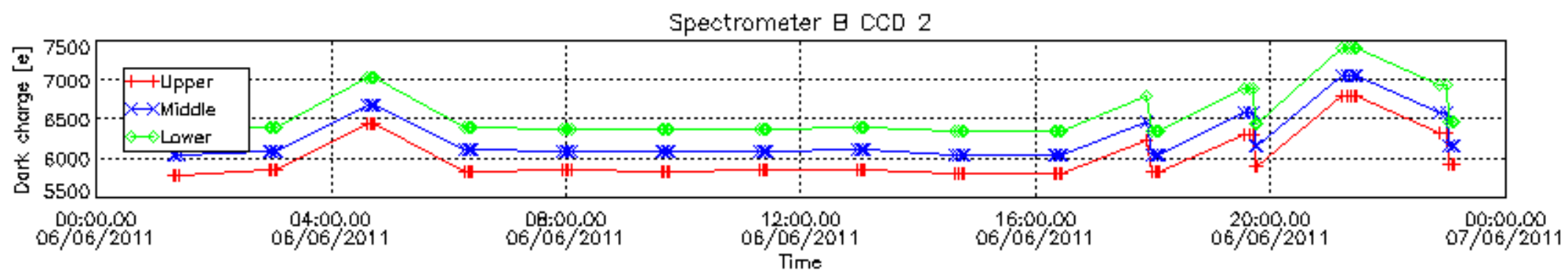
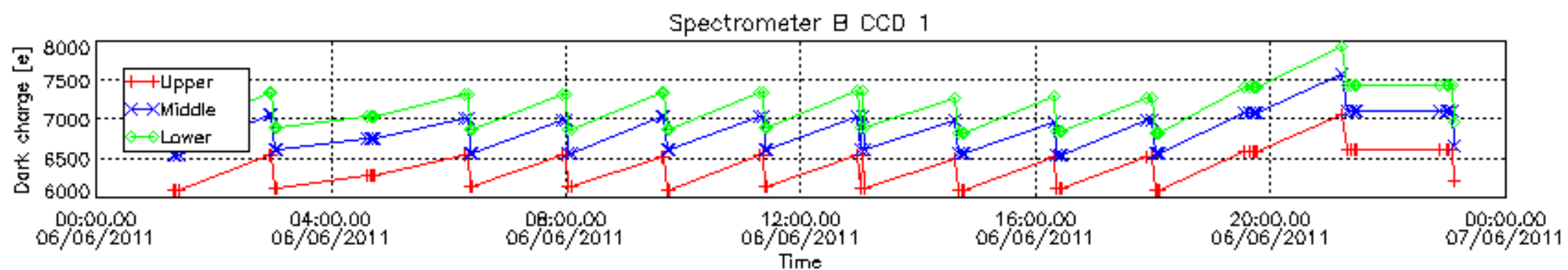
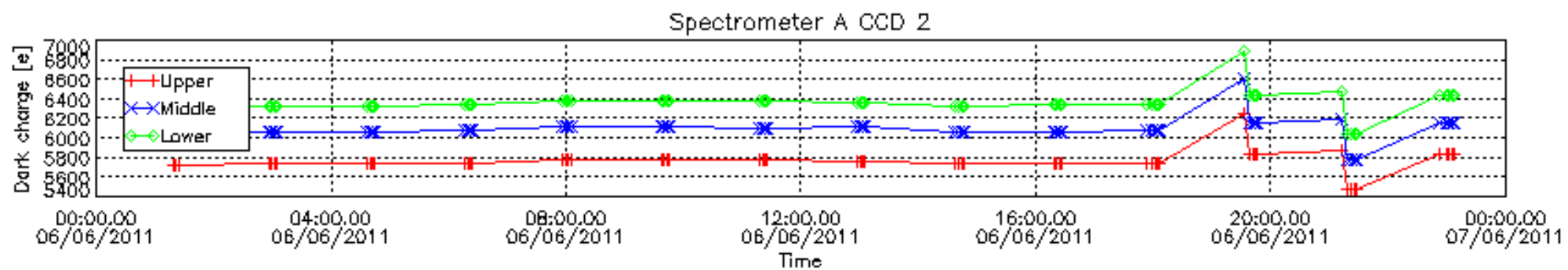
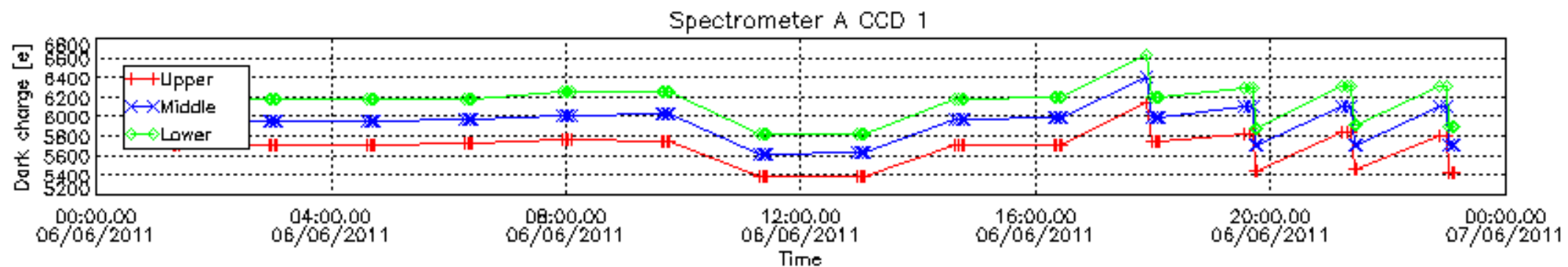
8. Auxiliary Data Files used for the production reported in section 2.4

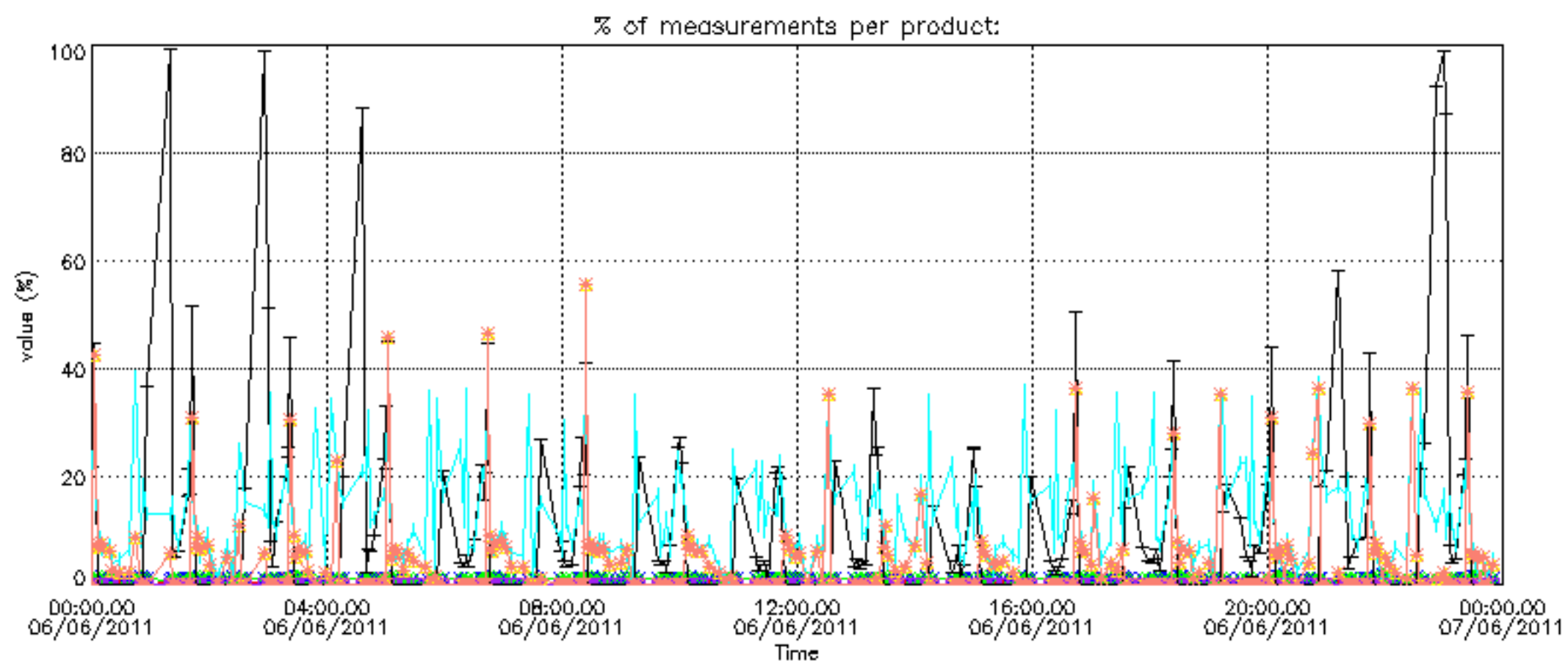
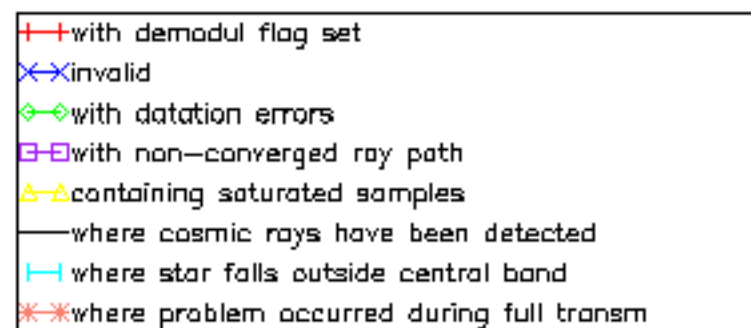
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	06-JUN-2011 00:00:15
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110601_080509_20110531_000000_20500101_000000	1	06-JUN-2011 00:00:15
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	06-JUN-2011 00:00:15
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	06-JUN-2011 00:00:15
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	06-JUN-2011 00:00:15
ECMWF_FILE	AUX_ECF_AXNECM20110605_062115_20110605_210000_20110606_090000	1	06-JUN-2011 00:00:15
ECMWF_FILE	AUX_ECF_AXNECM20110605_182500_20110606_030000_20110606_150000	48	06-JUN-2011 03:58:56
ECMWF_FILE	AUX_ECA_AXNECM20110606_063411_20110605_210000_20110606_090000	69	06-JUN-2011 05:44:52
ECMWF_FILE	AUX_ECF_AXNECM20110605_182500_20110606_030000_20110606_150000	103	06-JUN-2011 08:28:36
ECMWF_FILE	AUX_ECF_AXNECM20110606_063412_20110606_090000_20110606_210000	122	06-JUN-2011 10:08:50
ECMWF_FILE	AUX_ECF_AXNECM20110606_063412_20110606_150000_20110607_030000	178	06-JUN-2011 15:07:45
ECMWF_FILE	AUX_ECA_AXNECM20110606_175318_20110606_090000_20110606_210000	214	06-JUN-2011 18:19:30
ECMWF_FILE	AUX_ECF_AXNECM20110606_063412_20110606_210000_20110607_090000	249	06-JUN-2011 21:12:29
OPTIONAL_ECMWF_FILE	MISSING	1	06-JUN-2011 00:00:15
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110605_232350_000057383103_00159_48449_6148.N1	1	06-JUN-2011 00:00:15
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110606_010447_000098833103_00160_48450_6149.N1	14	06-JUN-2011 01:19:05
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110606_035448_000060573103_00162_48452_6152.N1	48	06-JUN-2011 03:58:56
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110606_054104_000054193103_00163_48453_6153.N1	69	06-JUN-2011 05:44:52
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110606_071642_000038253103_00164_48454_4756.N1	89	06-JUN-2011 07:25:06
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110606_082546_000057383103_00165_48455_4757.N1	103	06-JUN-2011 08:28:36
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110606_100643_000057383103_00166_48456_4758.N1	122	06-JUN-2011 10:08:50
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110606_114740_000054193103_00167_48457_4759.N1	141	06-JUN-2011 11:49:04
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110606_132318_000057383103_00168_48458_4760.N1	159	06-JUN-2011 13:27:31
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110606_145857_000057383103_00169_48459_4761.N1	178	06-JUN-2011 15:07:45
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110606_163954_000054193103_00170_48460_4762.N1	196	06-JUN-2011 16:43:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110606_181532_000057383103_00171_48461_4763.N1	214	06-JUN-2011 18:19:30
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110606_195629_000038253103_00172_48462_6154.N1	234	06-JUN-2011 19:59:44
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110606_210014_000060573103_00172_48462_6155.N1	249	06-JUN-2011 21:12:29
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110606_221318_20110605_183829_20110615_205216	270	06-JUN-2011 22:52:44

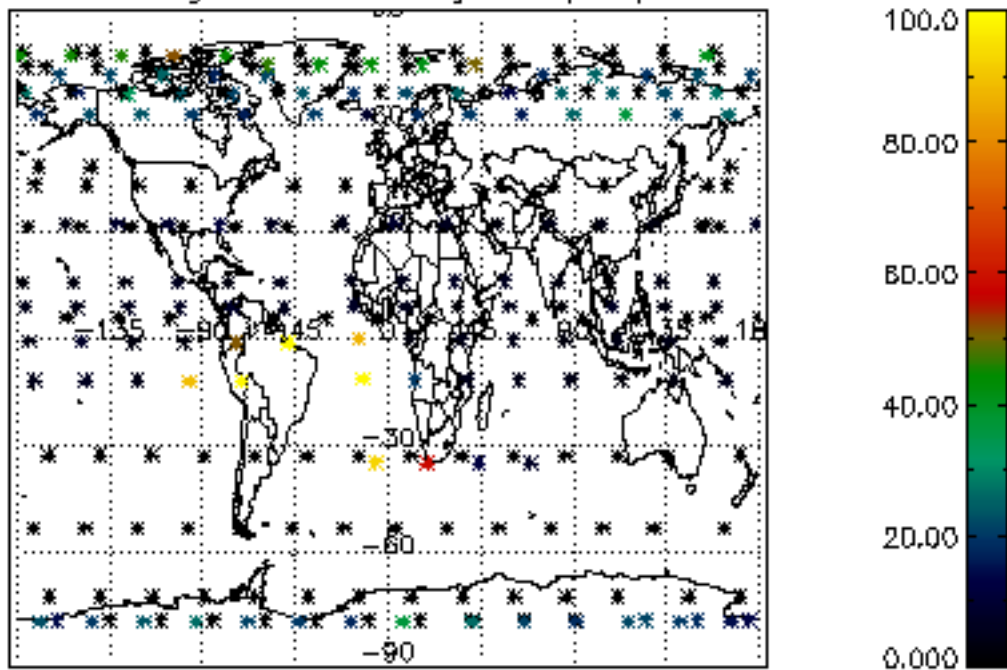




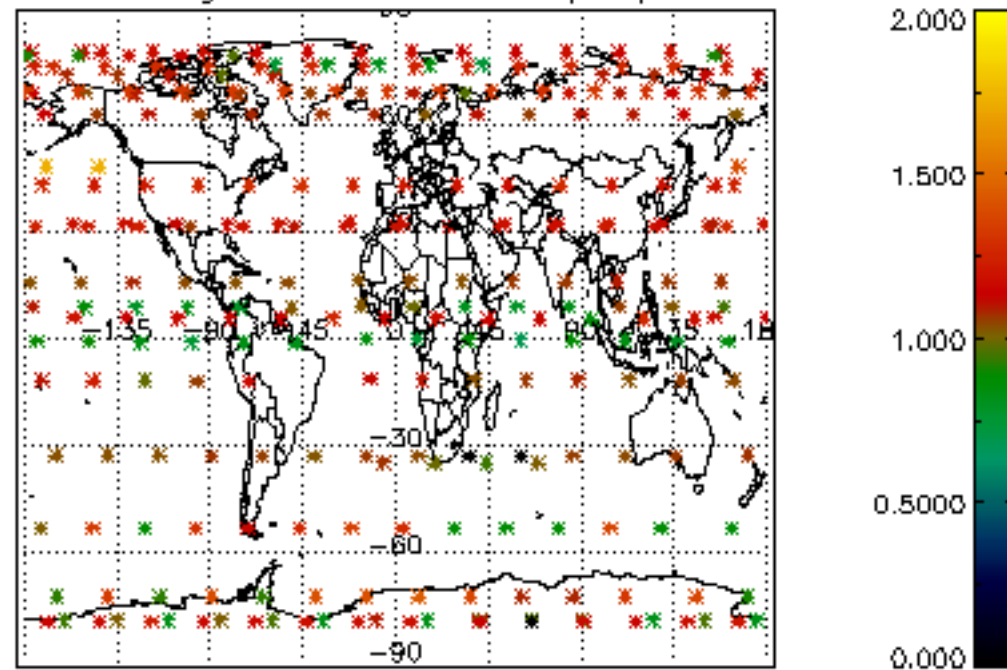




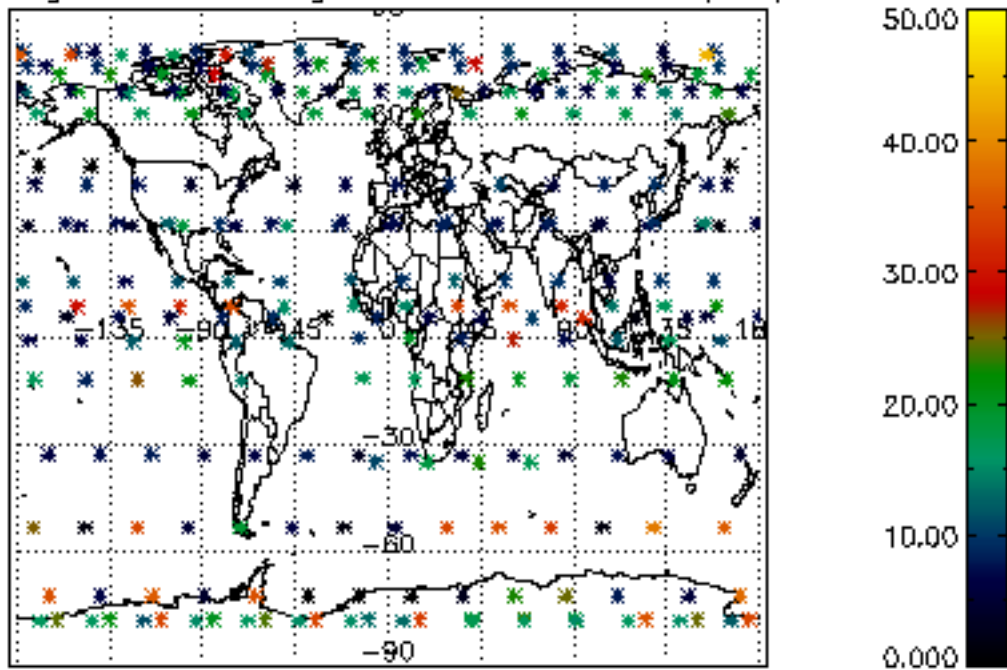
Percentage of cosmic ray hits per profile



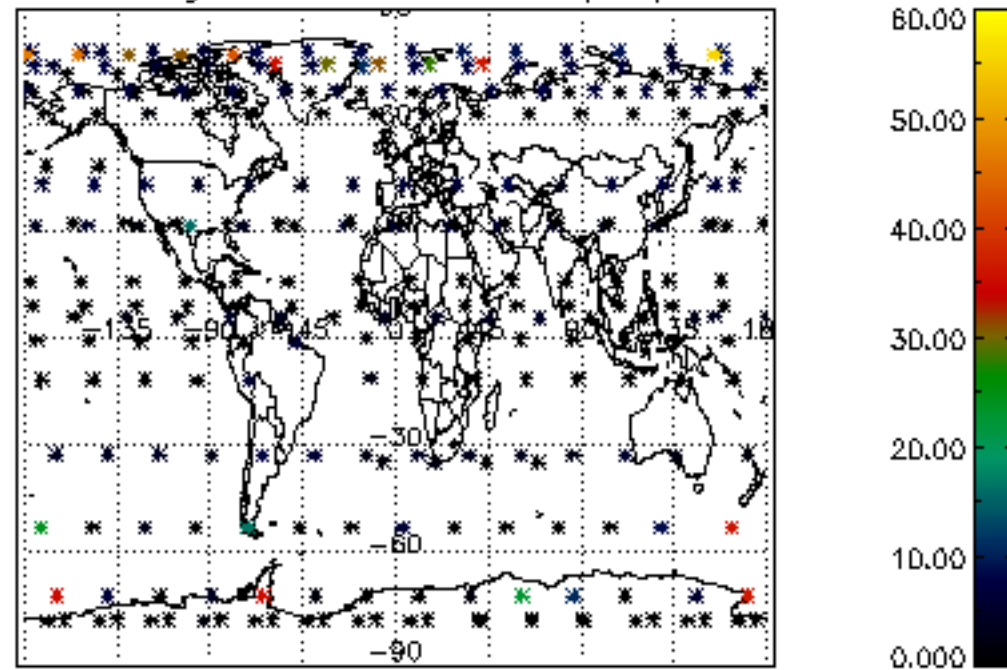
Percentage of datation errors per profile



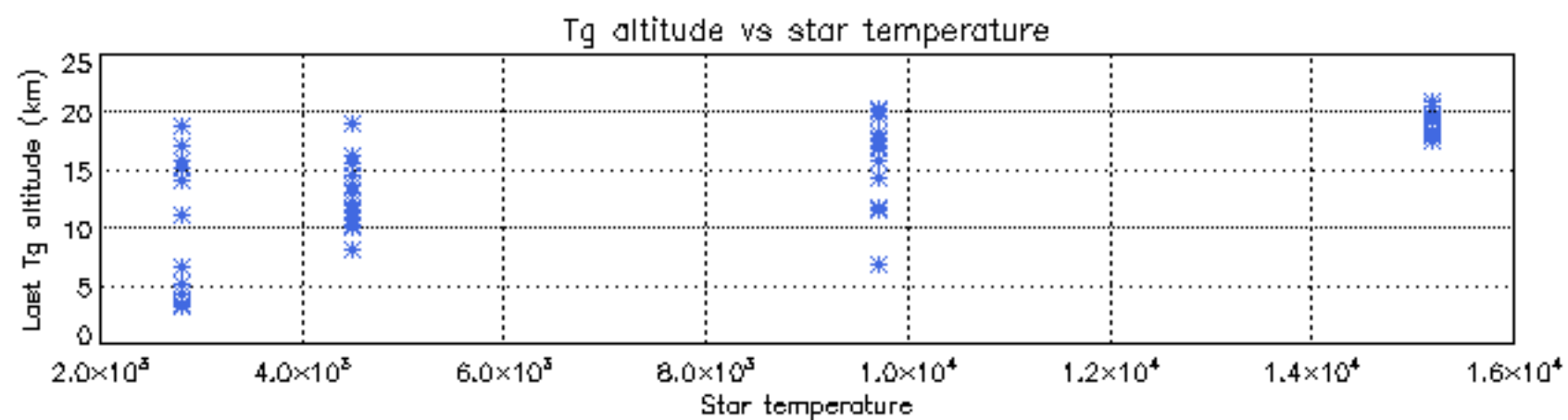
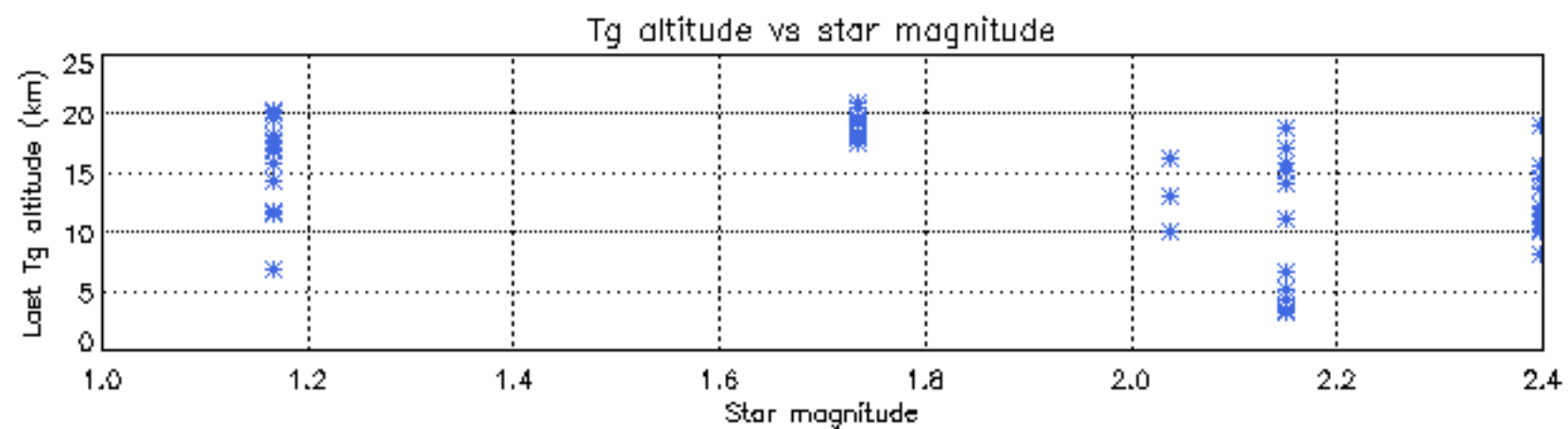
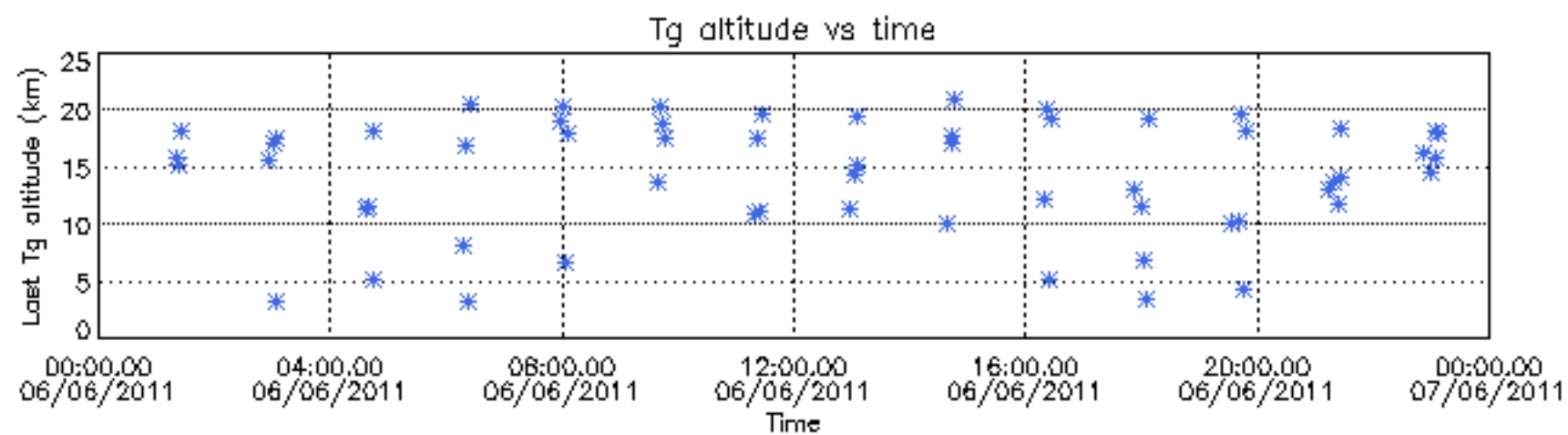
Percentage of star falling outside central band per profile



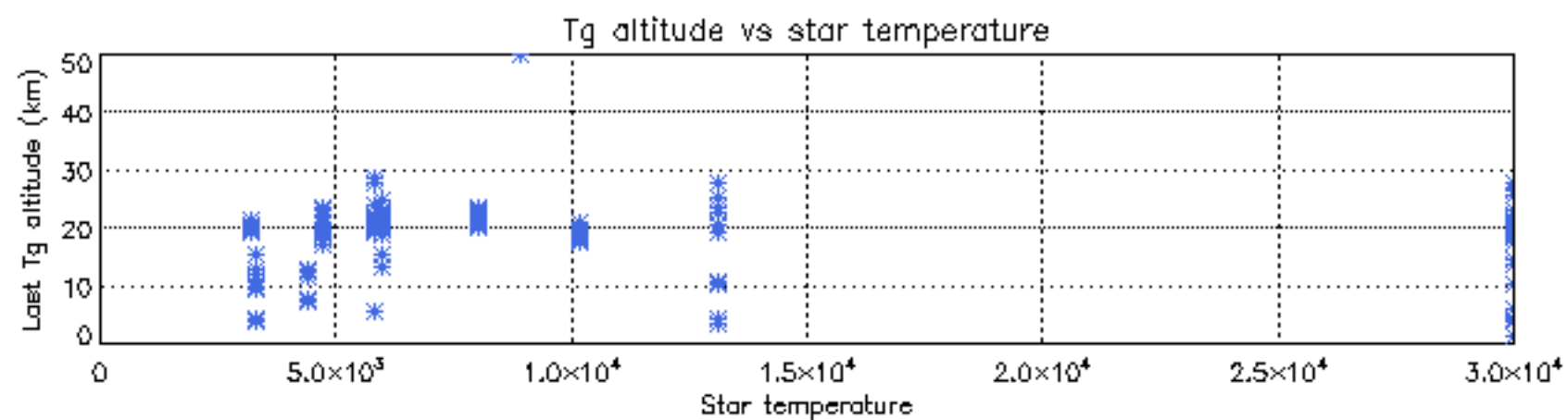
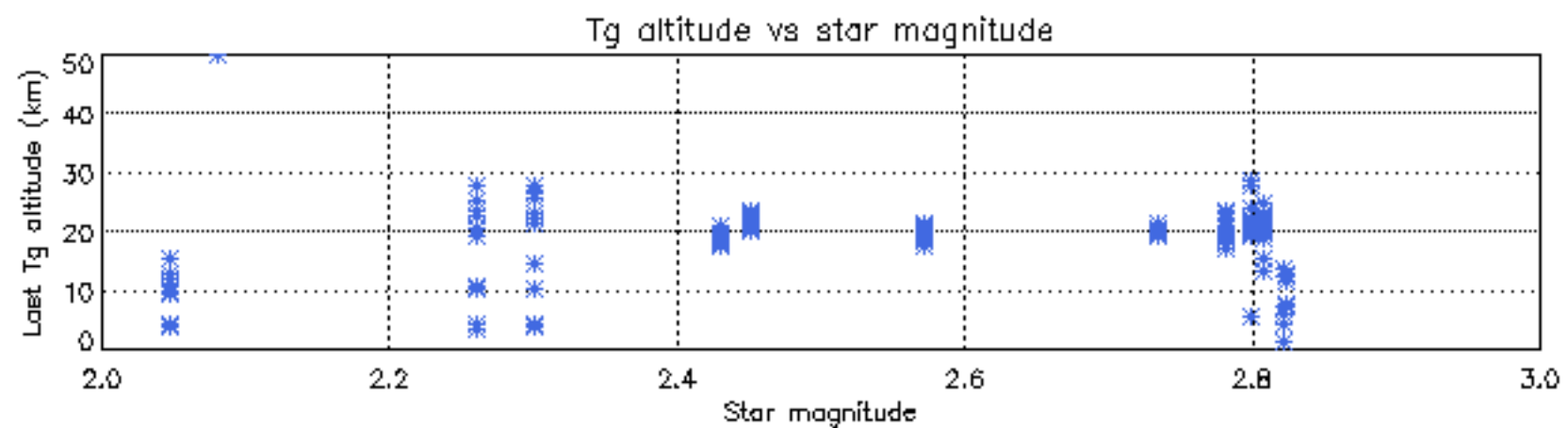
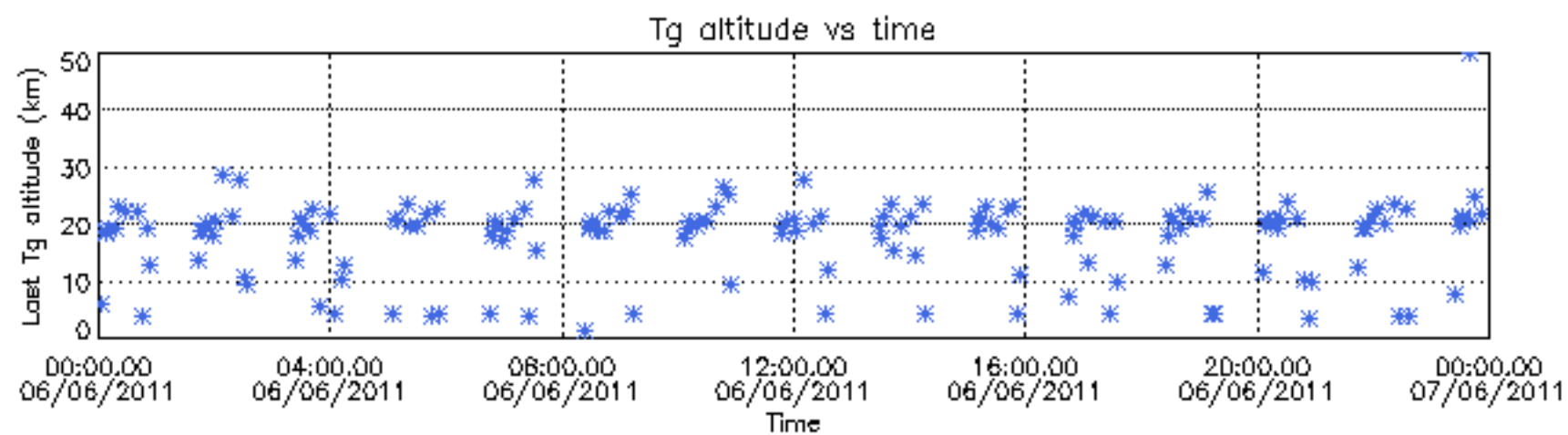
Percentage of saturation errors per profile



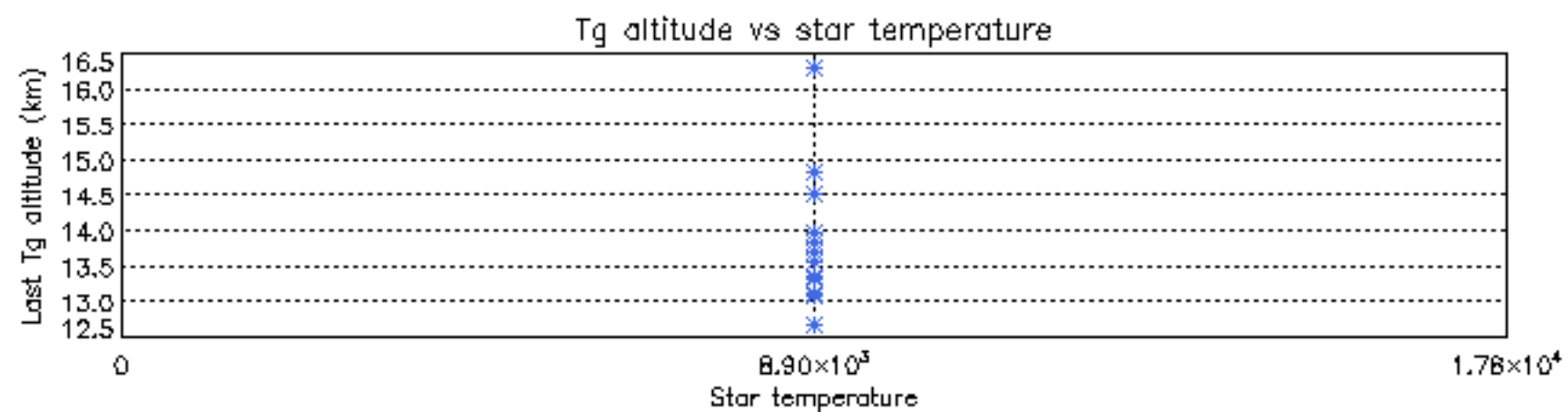
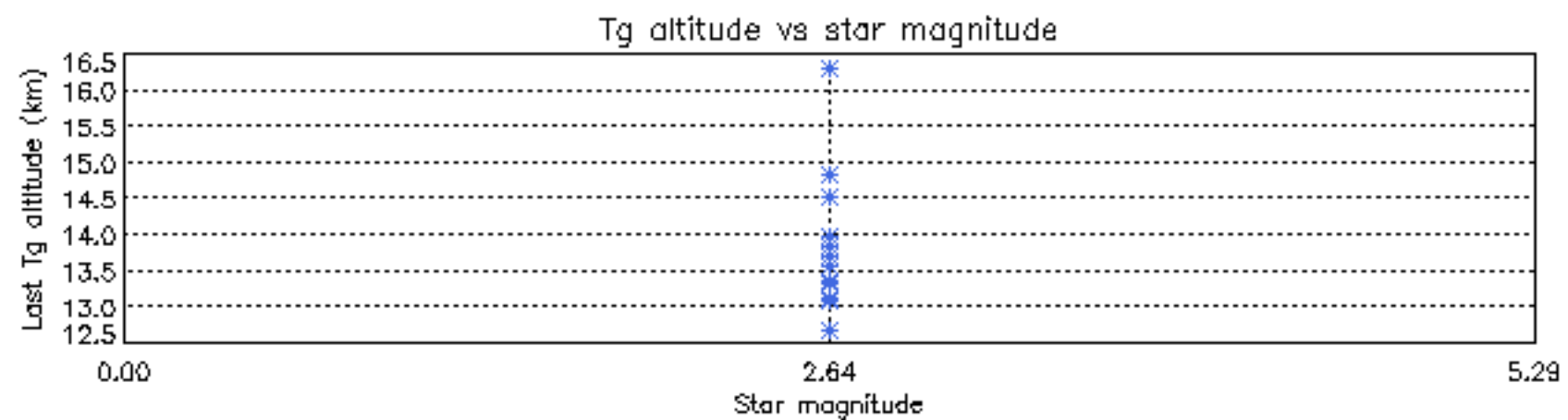
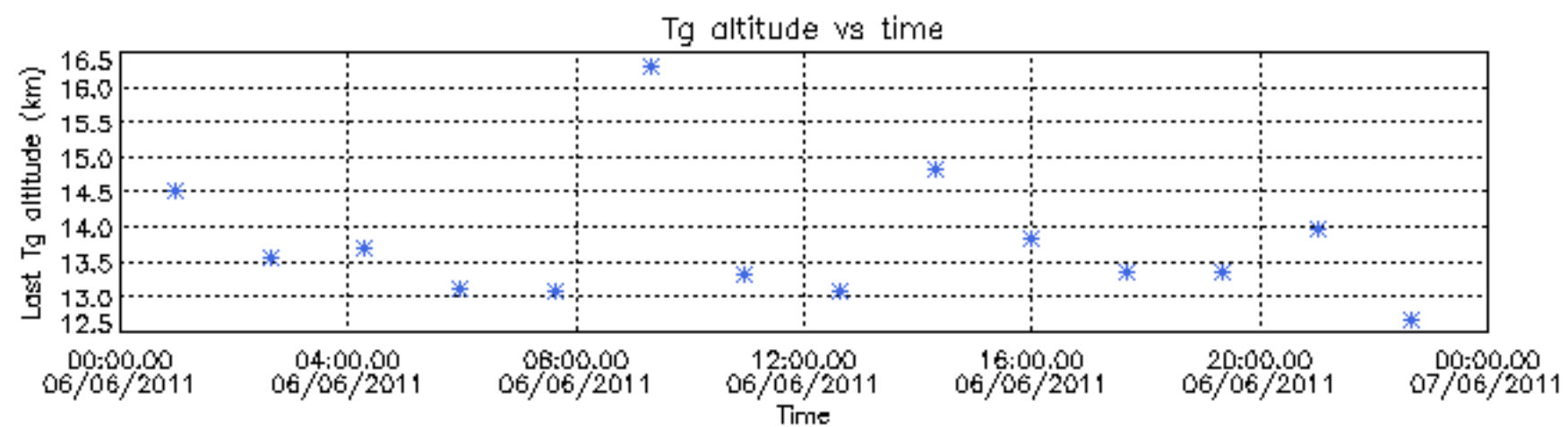
Tangent altitude at which the star is lost

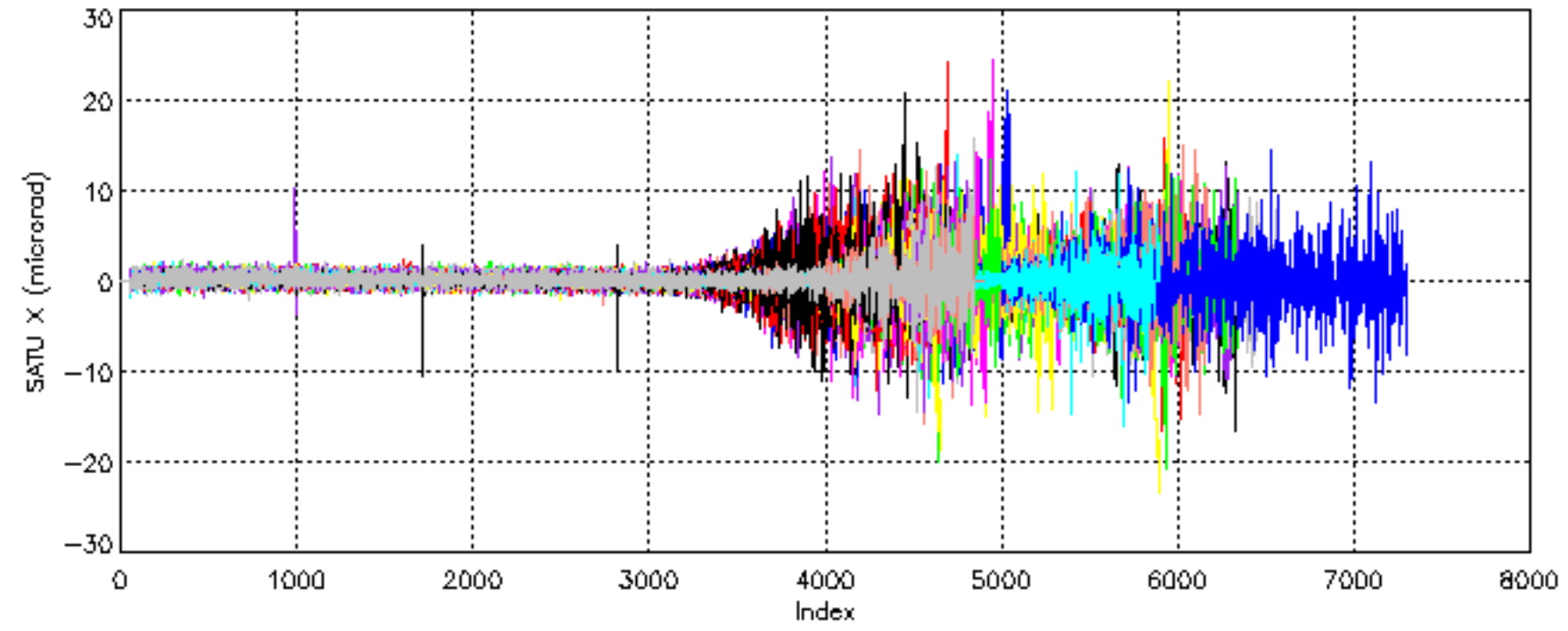


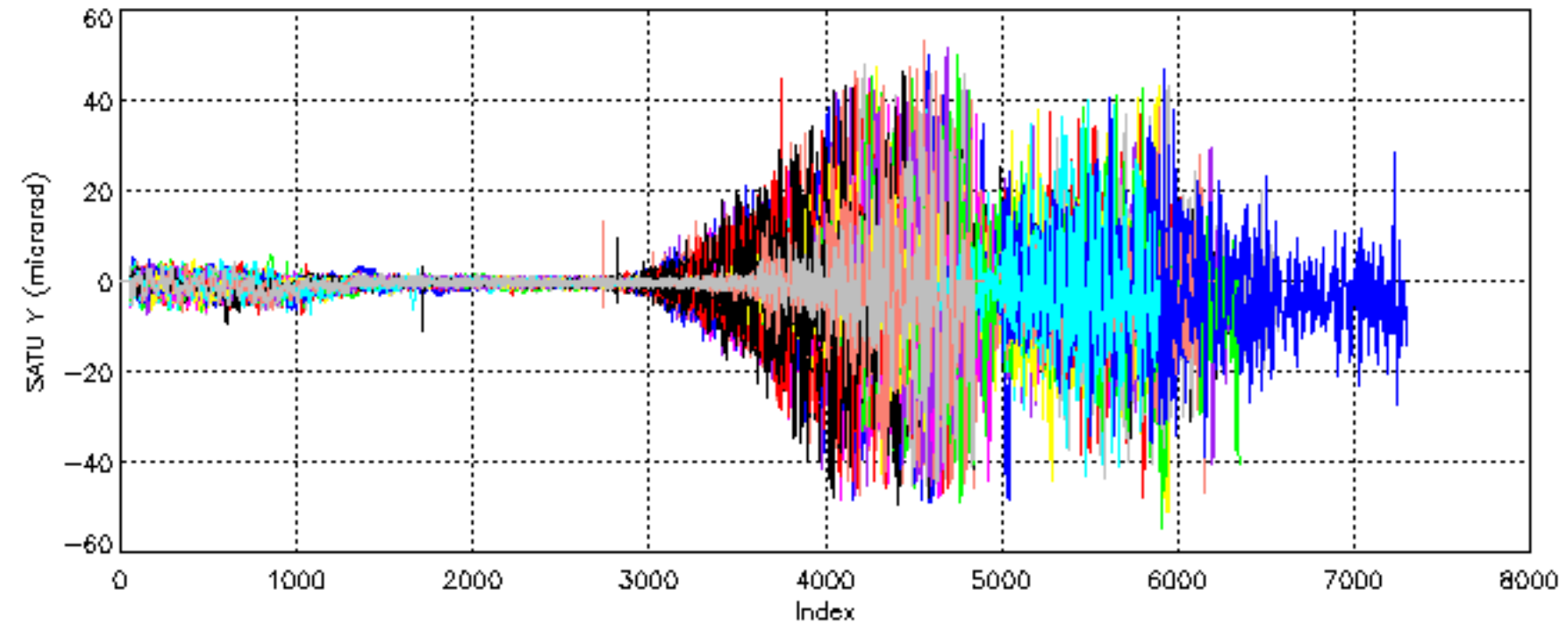
Tangent altitude at which the star is lost

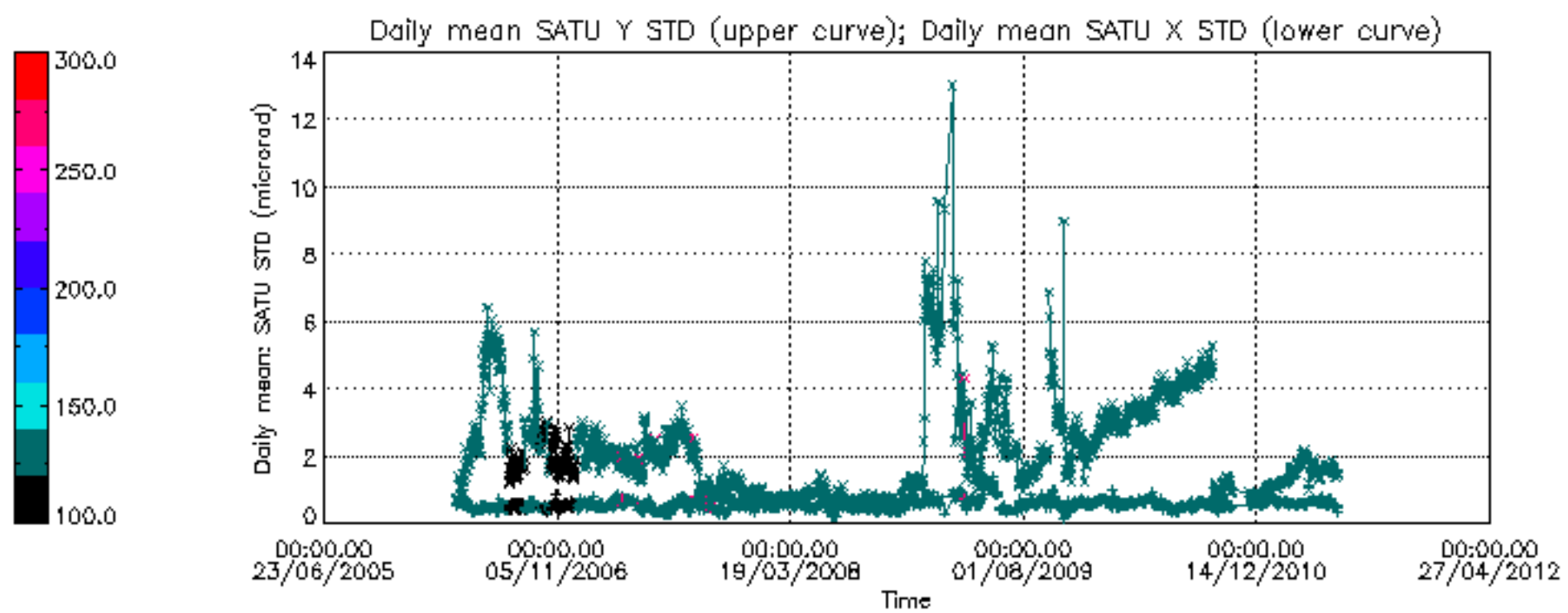


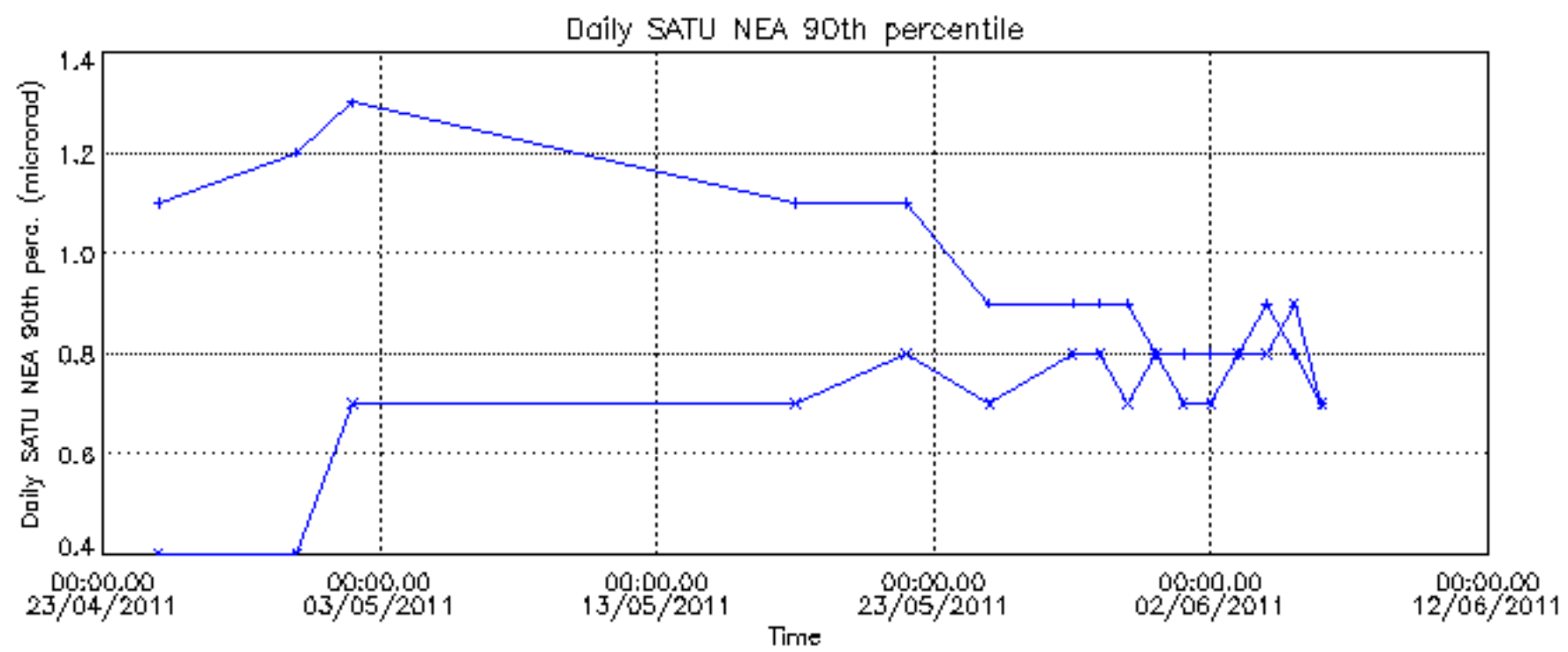
Tangent altitude at which the star is lost











/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20110601_005013_000056293103_00088_48378_5842.N1

1; -744.8; 01-JUN-2011 00:50:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48378
 2; -641.2; 01-JUN-2011 00:51:56; Dark ; 50.5; 52; 16Bet Cet ; 2.04; 4500;occ; 101; 0;48378
 3; -241.4; 01-JUN-2011 00:58:36; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;48378
 4; -115.9; 01-JUN-2011 01:00:42; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;48378
 5; 79.8; 01-JUN-2011 01:03:57; Dark ; 57.5; 63; Bet Gru ; 2.15; 2800;occ; 115; 0;48379
 6; 192.4; 01-JUN-2011 01:05:50; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;48379
 7; 487.9; 01-JUN-2011 01:10:46; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48379
 8; 930.5; 01-JUN-2011 01:18:08; Dark ; 42.5; 147; Alp Ara ; 2.88; 26000;occ; 85; 0;48379
 9; 1031.5; 01-JUN-2011 01:19:49; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;48379
 10; 1138.9; 01-JUN-2011 01:21:37; Dark ; 46.5; 25; 35Lam Sco ; 1.62; 28000;occ; 93; 0;48379
 11; 1243.7; 01-JUN-2011 01:23:21; Dark ; 45.5; 75; 26Eps Sco ; 2.29; 4250;occ; 91; 0;48379
 12; 1365.1; 01-JUN-2011 01:25:23; Dark ; 51.0; 136; 23Tau Sco ; 2.82; 30000;occ; 102; 0;48379
 13; 1488.9; 01-JUN-2011 01:27:27; Bright; 41.0; 80; 7Del Sco ; 2.32; 30000;occ; 82; 0;48379
 14; 1580.3; 01-JUN-2011 01:28:58; Bright; 46.0; 86; 35Eta Oph ; 2.43; 10200;occ; 92; 0;48379
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36; 8924.9; 06-JUN-2011 03:48:10; Bright; 58.5; 130; 23Bet Dra ; 2.80; 5800;occ; 117; 0;48452
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12;	583.7;	11-JUN-2011	05:06:23;	Dark	;	42.0;	45;	Alp Pav	;	1.94;	26000;occ;	84;	0;48525
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8;	3488.1;	13-JUN-2011 13:02:29;	Bright;	46.5;	89;	5Alp Cep ;	2.45;	8000;occ;	93;	0;48558
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3;	2151.9;	13-JUN-2011 14:20:27;	Bright;	43.5;	59;	55Alp Oph ;	2.08;	8900;occ;	87;	0;48559
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 13; 4387.1; 13-JUN-2011 19:58:24; Dark ; 58.5; 53; 43Bet And ; 2.05; 3300;occ; 117; 0;48562
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21; 7207.2; 14-JUN-2011 16:48:12; Dark ; 49.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 98; 0;48575
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4; 2146.6; 14-JUN-2011 17:04:05; Bright; 45.5; 59; 55Alp Oph ; 2.08; 8900;occ; 91; 0;48575
5; 2263.8; 14-JUN-2011 17:06:02; Bright; 36.5; 127; 27Bet Her ; 2.78; 4700;occ; 73; 0;48575

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8; 2945.8; 14-JUN-2011 17:17:24; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;48575
9; 3476.4; 14-JUN-2011 17:26:15; Bright; 48.0; 89; 5Alp Cep ; 2.45; 8000;occ; 96; 0;48575
10; 3859.0; 14-JUN-2011 17:32:37; Bright; 58.5; 74; 11Bet Cas ; 2.27; 6600;occ; 117; 0;48575
11; 3941.3; 14-JUN-2011 17:34:00; Bright; 63.0; 68; 18Alp Cas ; 2.22; 4500;occ; 126; 0;48575
12; 4248.2; 14-JUN-2011 17:39:07; Bright; 40.5; 73; 57Gam1And ; 2.26; 13100;occ; 81; 0;48575
13; 4387.9; 14-JUN-2011 17:41:26; Dark ; 55.5; 53; 43Bet And ; 2.05; 3300;occ; 111; 0;48575
14; 4596.6; 14-JUN-2011 17:44:55; Dark ; 48.0; 50; 13Alp Ari ; 2.01; 4250;occ; 96; 0;48575
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17; 5904.3; 14-JUN-2011 18:06:43; Dark ; 53.5; 84; Alp Phe ; 2.40; 4500;occ; 107; 0;48575
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19; 6397.4; 14-JUN-2011 18:14:56; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;48576
20; 6509.4; 14-JUN-2011 18:16:48; Dark ; 53.0; 172; Gam Gru ; 3.00; 13100;occ; 106; 0;48576
21; 6629.5; 14-JUN-2011 18:18:48; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48576

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3; 1602.1; 14-JUN-2011 18:35:15; Bright; 40.0; 86; 35Eta Oph ; 2.43; 10200;occ; 80; 0;48576
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7; 2445.5; 14-JUN-2011 18:49:18; Bright; 38.0; 133; 40Zet Her ; 2.81; 6000;occ; 76; 0;48576
8; 2853.3; 14-JUN-2011 18:56:06; Bright; 40.5; 130; 23Bet Dra ; 2.80; 5800;occ; 81; 0;48576
9; 2945.6; 14-JUN-2011 18:57:38; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;48576
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11; 3858.7; 14-JUN-2011 19:12:51; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;48576
12; 3941.1; 14-JUN-2011 19:14:14; Bright; 49.5; 68; 18Alp Cas ; 2.22; 4500;occ; 99; 0;48576
13; 4248.0; 14-JUN-2011 19:19:20; Bright; 41.0; 73; 57Gam1And ; 2.26; 13100;occ; 82; 0;48576
14; 4387.8; 14-JUN-2011 19:21:40; Dark ; 62.0; 53; 43Bet And ; 2.05; 3300;occ; 124; 0;48576
15; 4596.7; 14-JUN-2011 19:25:09; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48576
16; 5430.2; 14-JUN-2011 19:39:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48576
17; 5531.4; 14-JUN-2011 19:40:44; Dark ; 55.5; 52; 16Bet Cet ; 2.04; 4500;occ; 111; 0;48576
18; 5905.3; 14-JUN-2011 19:46:58; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;48576
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21; 6510.6; 14-JUN-2011 19:57:03; Dark ; 53.0; 172; Gam Gru ; 3.00; 13100;occ; 106; 0;48577
22; 6629.9; 14-JUN-2011 19:59:02; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;48577

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3; -106.7; 15-JUN-2011 00:47:42; Dark ; 45.0; 84; Alp Phe ; 2.40; 4500;occ; 90; 0;48579
4; 264.6; 15-JUN-2011 00:53:53; Dark ; 50.0; 63; Bet Gru ; 2.15; 2800;occ; 100; 0;48580
5; 387.3; 15-JUN-2011 00:55:56; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;48580
6; 500.6; 15-JUN-2011 00:57:49; Dark ; 52.0; 172; Gam Gru ; 3.00; 13100;occ; 104; 0;48580
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8; 1195.0; 15-JUN-2011 01:09:23; Dark ; 50.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 101; 0;48580
9; 1284.5; 15-JUN-2011 01:10:53; Dark ; 53.5; 116; 19Del Sgr ; 2.70; 4100;occ; 107; 0;48580
10; 1602.3; 15-JUN-2011 01:16:11; Bright; 40.0; 86; 35Eta Oph ; 2.43; 10200;occ; 80; 0;48580
11; 1994.4; 15-JUN-2011 01:22:43; Bright; 46.5; 126; 60Bet Oph ; 2.77; 4250;occ; 93; 0;48580
12; 2144.9; 15-JUN-2011 01:25:13; Bright; 45.5; 59; 55Alp Oph ; 2.08; 8900;occ; 91; 0;48580
13; 2263.3; 15-JUN-2011 01:27:12; Bright; 37.0; 127; 27Bet Her ; 2.78; 4700;occ; 74; 0;48580
14; 2444.9; 15-JUN-2011 01:30:13; Bright; 39.0; 133; 40Zet Her ; 2.81; 6000;occ; 78; 0;48580
15; 2851.7; 15-JUN-2011 01:37:00; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;48580
16; 2946.5; 15-JUN-2011 01:38:35; Bright; 36.0; 119; 14Eta Dra ; 2.73; 4700;occ; 72; 0;48580
17; 3473.1; 15-JUN-2011 01:47:21; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48580
18; 3857.4; 15-JUN-2011 01:53:46; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;48580
19; 3939.9; 15-JUN-2011 01:55:08; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;48580
20; 4247.9; 15-JUN-2011 02:00:16; Bright; 41.0; 73; 57Gam1And ; 2.26; 13100;occ; 82; 0;48580
21; 4388.0; 15-JUN-2011 02:02:36; Dark ; 53.0; 53; 43Bet And ; 2.05; 3300;occ; 106; 0;48580
22; 4597.5; 15-JUN-2011 02:06:06; Dark ; 46.5; 50; 13Alp Ari ; 2.01; 4250;occ; 93; 0;48580

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4; 265.6; 15-JUN-2011 02:34:08; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48581
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6; 501.7; 15-JUN-2011 02:38:04; Dark ; 52.0; 172; Gam Gru ; 3.00; 13100;occ; 104; 0;48581
7; 618.2; 15-JUN-2011 02:40:00; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48581
8; 1195.3; 15-JUN-2011 02:49:38; Dark ; 49.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 99; 0;48581
9; 1284.9; 15-JUN-2011 02:51:07; Dark ; 52.5; 116; 19Del Sgr ; 2.70; 4100;occ; 105; 0;48581
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11; 1994.4; 15-JUN-2011 03:02:57; Bright; 46.5; 126; 60Bet Oph ; 2.77; 4250;occ; 93; 0;48581
12; 2144.6; 15-JUN-2011 03:05:27; Bright; 42.5; 59; 55Alp Oph ; 2.08; 8900;occ; 85; 0;48581
13; 2263.4; 15-JUN-2011 03:07:26; Bright; 36.0; 127; 27Bet Her ; 2.78; 4700;occ; 72; 0;48581
14; 2444.8; 15-JUN-2011 03:10:27; Bright; 40.0; 133; 40Zet Her ; 2.81; 6000;occ; 80; 0;48581
15; 2851.4; 15-JUN-2011 03:17:14; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;48581
16; 2951.9; 15-JUN-2011 03:18:54; Bright; 29.5; 119; 14Eta Dra ; 2.73; 4700;occ; 59; 0;48581
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4; -1626.0; 15-JUN-2011 03:42:50; Dark ; 58.0; 53; 43Bet And ; 2.05; 3300;occ; 116; 0;48581
5; -1416.2; 15-JUN-2011 03:46:20; Dark ; 47.5; 50; 13Alp Ari ; 2.01; 4250;occ; 95; 0;48581
6; -578.2; 15-JUN-2011 04:00:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48581
7; -477.3; 15-JUN-2011 04:01:59; Dark ; 54.5; 52; 16Bet Cet ; 2.04; 4500;occ; 109; 0;48581
8; -105.0; 15-JUN-2011 04:08:11; Dark ; 52.0; 84; Alp Phe ; 2.40; 4500;occ; 104; 0;48581
9; 266.8; 15-JUN-2011 04:14:23; Dark ; 49.5; 63; Bet Gru ; 2.15; 2800;occ; 99; 0;48582
10; 389.4; 15-JUN-2011 04:16:26; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;48582
11; 503.1; 15-JUN-2011 04:18:19; Dark ; 51.0; 172; Gam Gru ; 3.00; 13100;occ; 102; 0;48582
12; 618.9; 15-JUN-2011 04:20:15; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48582
13; 1196.0; 15-JUN-2011 04:29:52; Dark ; 47.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 95; 0;48582
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16; 1994.0; 15-JUN-2011 04:43:10; Bright; 47.0; 126; 60Bet Oph ; 2.77; 4250;occ; 94; 0;48582
17; 2144.5; 15-JUN-2011 04:45:41; Bright; 42.0; 59; 55Alp Oph ; 2.08; 8900;occ; 84; 0;48582
18; 2263.4; 15-JUN-2011 04:47:40; Bright; 37.5; 127; 27Bet Her ; 2.78; 4700;occ; 75; 0;48582
19; 2444.5; 15-JUN-2011 04:50:41; Bright; 40.0; 133; 40Zet Her ; 2.81; 6000;occ; 80; 0;48582
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9; 267.8; 15-JUN-2011 05:54:38; Dark ; 50.0; 63; Bet Gru ; 2.15; 2800;occ; 100; 0;48583
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16; 1994.0; 15-JUN-2011 06:23:24; Bright; 44.5; 126; 60Bet Oph ; 2.77; 4250;occ; 89; 0;48583
17; 2144.2; 15-JUN-2011 06:25:54; Bright; 42.0; 59; 55Alp Oph ; 2.08; 8900;occ; 84; 0;48583
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19; 2444.5; 15-JUN-2011 06:30:55; Bright; 36.5; 133; 40Zet Her ; 2.81; 6000;occ; 73; 0;48583
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6; 2262.6; 15-JUN-2011 21:29:59; Bright; 39.0; 127; 27Bet Her ; 2.78; 4700;occ; 78; 0;48592
7; 2443.1; 15-JUN-2011 21:32:59; Bright; 36.5; 133; 40Zet Her ; 2.81; 6000;occ; 73; 0;48592
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10; 3853.1; 15-JUN-2011 21:56:29; Bright; 54.5; 74; 11Bet Cas ; 2.27; 6600;occ; 109; 0;48592
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3; -96.7; 15-JUN-2011 22:30:53; Dark ; 52.0; 84; Alp Phe ; 2.40; 4500;occ; 104; 0;48592
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6; 517.6; 15-JUN-2011 22:41:08; Dark ; 47.0; 172; Gam Gru ; 3.00; 13100;occ; 94; 0;48593
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14; 2442.7; 15-JUN-2011 23:13:13; Bright; 36.0; 133; 40Zet Her ; 2.81; 6000;occ; 72; 0;48593
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17; 3852.7; 15-JUN-2011 23:36:43; Bright; 65.0; 74; 11Bet Cas ; 2.27; 6600;occ; 130; 0;48593
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19; 4248.4; 15-JUN-2011 23:43:18; Bright; 41.5; 73; 57Gam1And ; 2.26; 13100;occ; 83; 0;48593
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9; 268.6; 15-JUN-2011 07:34:53; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;48584
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12; 620.3; 15-JUN-2011 07:40:45; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;48584
13; 1196.6; 15-JUN-2011 07:50:21; Dark ; 49.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 98; 0;48584
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6; 2850.7; 15-JUN-2011 08:17:55; Bright; 41.0; 130; 23Bet Dra ; 2.80; 5800;occ; 82; 0;48584
7; 3470.3; 15-JUN-2011 08:28:15; Bright; 48.0; 89; 5Alp Cep ; 2.45; 8000;occ; 96; 0;48584
8; 3856.0; 15-JUN-2011 08:34:40; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;48584
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3; 2263.3; 15-JUN-2011 09:48:22; Bright; 37.5; 127; 27Bet Her ; 2.78; 4700;occ; 75; 0;48585

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6; 3470.0; 15-JUN-2011 10:08:28; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;48585
7; 3855.8; 15-JUN-2011 10:14:54; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;48585
8; 3938.8; 15-JUN-2011 10:16:17; Bright; 45.0; 68; 18Alp Cas ; 2.22; 4500;occ; 90; 0;48585
9; 4248.3; 15-JUN-2011 10:21:27; Bright; 41.0; 73; 57Gam1And ; 2.26; 13100;occ; 82; 0;48585
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14; 5912.2; 15-JUN-2011 10:49:10; Dark ; 44.5; 84; Alp Phe ; 2.40; 4500;occ; 89; 0;48585
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19; 7211.3; 15-JUN-2011 11:10:50; Dark ; 50.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 100; 0;48586
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4; 2443.9; 15-JUN-2011 11:31:36; Bright; 38.0; 133; 40Zet Her ; 2.81; 6000;occ; 76; 0;48586
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7; 3855.2; 15-JUN-2011 11:55:07; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;48586
8; 3938.6; 15-JUN-2011 11:56:31; Bright; 41.0; 68; 18Alp Cas ; 2.22; 4500;occ; 82; 0;48586
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11; 4599.0; 15-JUN-2011 12:07:31; Dark ; 46.5; 50; 13Alp Ari ; 2.01; 4250;occ; 93; 0;48586
12; 5441.4; 15-JUN-2011 12:21:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48586
13; 5541.8; 15-JUN-2011 12:23:14; Dark ; 53.5; 52; 16Bet Cet ; 2.04; 4500;occ; 107; 0;48586
14; 5912.8; 15-JUN-2011 12:29:25; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;48586
15; 6285.5; 15-JUN-2011 12:35:38; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48587
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17; 6523.6; 15-JUN-2011 12:39:36; Dark ; 49.0; 172; Gam Gru ; 3.00; 13100;occ; 98; 0;48587
18; 6635.9; 15-JUN-2011 12:41:28; Dark ; 44.5; 45; Alp Pav ; 1.94; 26000;occ; 89; 0;48587
19; 7211.9; 15-JUN-2011 12:51:04; Dark ; 48.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 96; 0;48587
20; 7301.0; 15-JUN-2011 12:52:33; Dark ; 46.5; 116; 19Del Sgr ; 2.70; 4100;occ; 93; 0;48587
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5; 2444.0; 15-JUN-2011 13:11:50; Bright; 39.0; 133; 40Zet Her ; 2.81; 6000;occ; 78; 0;48587
6; 2849.6; 15-JUN-2011 13:18:36; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;48587
7; 3468.6; 15-JUN-2011 13:28:55; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48587
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9; 3938.4; 15-JUN-2011 13:36:44; Bright; 49.0; 68; 18Alp Cas ; 2.22; 4500;occ; 98; 0;48587
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11; 4388.6; 15-JUN-2011 13:44:15; Dark ; 54.0; 53; 43Bet And ; 2.05; 3300;occ; 108; 0;48587
12; 4599.4; 15-JUN-2011 13:47:45; Dark ; 50.5; 50; 13Alp Ari ; 2.01; 4250;occ; 101; 0;48587
13; 5442.5; 15-JUN-2011 14:01:49; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48587
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5; 2443.6; 15-JUN-2011 14:52:04; Bright; 38.0; 133; 40Zet Her ; 2.81; 6000;occ; 76; 0;48588


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8; 3854.8; 15-JUN-2011 15:15:35; Bright; 65.0; 74; 11Bet Cas ; 2.27; 6600;occ; 130; 0;48588
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16; 1972.1; 26-JUN-2011 06:19:53; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48741
17; 2113.3; 26-JUN-2011 06:22:14; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;48741
18; 2666.3; 26-JUN-2011 06:31:27; Bright; 63.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 127; 0;48741
19; 2804.0; 26-JUN-2011 06:33:45; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48741
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3; 1460.2; 26-JUN-2011 21:13:27; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48750
4; 1971.3; 26-JUN-2011 21:21:58; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48750
5; 2112.6; 26-JUN-2011 21:24:19; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;48750
6; 2661.0; 26-JUN-2011 21:33:27; Bright; 42.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 84; 0;48750
7; 2801.8; 26-JUN-2011 21:35:48; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48750
8; 3787.9; 26-JUN-2011 21:52:14; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;48750
9; 3885.2; 26-JUN-2011 21:53:52; Bright; 47.0; 68; 18Alp Cas ; 2.22; 4500;occ; 94; 0;48750
10; 4043.7; 26-JUN-2011 21:56:30; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;48750
11; 4246.7; 26-JUN-2011 21:59:53; Bright; 45.5; 73; 57Gam1And ; 2.26; 13100;occ; 91; 0;48750
12; 4398.0; 26-JUN-2011 22:02:25; Dark ; 47.0; 173; 4Bet Tri ; 3.00; 8900;occ; 94; 0;48750
13; 4640.3; 26-JUN-2011 22:06:27; Dark ; 55.5; 50; 13Alp Ari ; 2.01; 4250;occ; 111; 0;48750
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2; 43.9; 26-JUN-2011 22:30:04; Dark ; 48.0; 84; Alp Phe ; 2.40; 4500;occ; 96; 0;48751
3; 432.8; 26-JUN-2011 22:36:33; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;48751
4; 551.8; 26-JUN-2011 22:38:32; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48751
5; 714.0; 26-JUN-2011 22:41:14; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;48751
6; 1251.5; 26-JUN-2011 22:50:12; Dark ; 45.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 91; 0;48751
7; 1334.3; 26-JUN-2011 22:51:35; Dark ; 55.5; 116; 19Del Sgr ; 2.70; 4100;occ; 111; 0;48751

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12; 2801.7; 26-JUN-2011 23:16:02; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;48751
13; 3787.4; 26-JUN-2011 23:32:28; Bright; 53.0; 74; 11Bet Cas ; 2.27; 6600;occ; 106; 0;48751
14; 3884.7; 26-JUN-2011 23:34:05; Bright; 48.5; 68; 18Alp Cas ; 2.22; 4500;occ; 97; 0;48751
15; 4043.7; 26-JUN-2011 23:36:44; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;48751
16; 4246.8; 26-JUN-2011 23:40:07; Bright; 45.5; 73; 57Gam1And ; 2.26; 13100;occ; 91; 0;48751
17; 4398.2; 26-JUN-2011 23:42:39; Dark ; 47.0; 173; 4Bet Tri ; 3.00; 8900;occ; 94; 0;48751
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3; -1969.9; 26-JUN-2011 06:54:25; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;48741
4; -1766.6; 26-JUN-2011 06:57:48; Bright; 47.0; 73; 57Gam1And ; 2.26; 13100;occ; 94; 0;48741
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6; -1376.1; 26-JUN-2011 07:04:18; Dark ; 53.5; 50; 13Alp Ari ; 2.01; 4250;occ; 107; 0;48741
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10; 424.4; 26-JUN-2011 07:34:19; Dark ; 64.5; 63; Bet Gru ; 2.15; 2800;occ; 129; 0;48742
11; 543.4; 26-JUN-2011 07:36:18; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48742
12; 709.3; 26-JUN-2011 07:39:04; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48742
13; 1249.0; 26-JUN-2011 07:48:04; Dark ; 45.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 90; 0;48742
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3; 2665.9; 26-JUN-2011 08:11:41; Bright; 47.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 95; 0;48742
4; 2803.8; 26-JUN-2011 08:13:58; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48742
5; 3791.8; 26-JUN-2011 08:30:26; Bright; 69.0; 74; 11Bet Cas ; 2.27; 6600;occ; 138; 0;48742
6; 3888.5; 26-JUN-2011 08:32:03; Bright; 47.0; 68; 18Alp Cas ; 2.22; 4500;occ; 94; 0;48742
7; 4044.1; 26-JUN-2011 08:34:39; Bright; 38.5; 160; 23Gam Per ; 2.93; 4700;occ; 77; 0;48742
8; 4247.4; 26-JUN-2011 08:38:02; Bright; 45.5; 73; 57Gam1And ; 2.26; 13100;occ; 91; 0;48742
9; 4397.7; 26-JUN-2011 08:40:32; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;48742
10; 4638.3; 26-JUN-2011 08:44:33; Dark ; 52.5; 50; 13Alp Ari ; 2.01; 4250;occ; 105; 0;48742
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12; 5436.9; 26-JUN-2011 08:57:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48742
13; 6050.3; 26-JUN-2011 09:08:05; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;48743
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17; 7263.4; 26-JUN-2011 09:28:18; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;48743
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3; 2665.2; 26-JUN-2011 09:51:54; Bright; 49.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 99; 0;48743
4; 2803.5; 26-JUN-2011 09:54:12; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48743
5; 3791.5; 26-JUN-2011 10:10:40; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;48743
6; 3888.1; 26-JUN-2011 10:12:17; Bright; 54.5; 68; 18Alp Cas ; 2.22; 4500;occ; 109; 0;48743
7; 4044.2; 26-JUN-2011 10:14:53; Bright; 51.0; 160; 23Gam Per ; 2.93; 4700;occ; 102; 0;48743
8; 4247.3; 26-JUN-2011 10:18:16; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48743
9; 4397.8; 26-JUN-2011 10:20:46; Dark ; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;48743
10; 4638.5; 26-JUN-2011 10:24:47; Dark ; 53.5; 50; 13Alp Ari ; 2.01; 4250;occ; 107; 0;48743
11; 4932.1; 26-JUN-2011 10:29:41; Dark ; 47.0; 94; 92Alp Cet ; 2.53; 3100;occ; 94; 0;48743
12; 5437.7; 26-JUN-2011 10:38:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48743
13; 6051.4; 26-JUN-2011 10:48:20; Dark ; 52.0; 84; Alp Phe ; 2.40; 4500;occ; 104; 0;48744
14; 6439.9; 26-JUN-2011 10:54:48; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;48744
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16; 6724.4; 26-JUN-2011 10:59:33; Dark ; 44.0; 45; Alp Pav ; 1.94; 26000;occ; 88; 0;48744
17; 7263.4; 26-JUN-2011 11:08:32; Dark ; 45.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 91; 0;48744
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 3; 2664.5; 26-JUN-2011 11:32:07; Bright; 49.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 99; 0;48744
 4; 2803.2; 26-JUN-2011 11:34:26; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;48744
 5; 3790.5; 26-JUN-2011 11:50:53; Bright; 69.0; 74; 11Bet Cas ; 2.27; 6600;occ; 138; 0;48744
 6; 3887.6; 26-JUN-2011 11:52:30; Bright; 47.0; 68; 18Alp Cas ; 2.22; 4500;occ; 94; 0;48744
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 8; 4247.1; 26-JUN-2011 11:58:30; Bright; 46.5; 73; 57Gam1And ; 2.26; 13100;occ; 93; 0;48744
 9; 4397.8; 26-JUN-2011 12:01:00; Dark ; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;48744
 10; 4638.7; 26-JUN-2011 12:05:01; Dark ; 55.0; 50; 13Alp Ari ; 2.01; 4250;occ; 110; 0;48744
 11; 4932.5; 26-JUN-2011 12:09:55; Dark ; 46.5; 94; 92Alp Cet ; 2.53; 3100;occ; 93; 0;48744
 12; 5438.4; 26-JUN-2011 12:18:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48744
 13; 6052.3; 26-JUN-2011 12:28:35; Dark ; 56.5; 84; Alp Phe ; 2.40; 4500;occ; 113; 0;48745
 14; 6441.2; 26-JUN-2011 12:35:04; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48745
 15; 6560.4; 26-JUN-2011 12:37:03; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48745
 16; 6725.0; 26-JUN-2011 12:39:47; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;48745
 17; 7263.9; 26-JUN-2011 12:48:46; Dark ; 43.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 86; 0;48745
 18; 7346.7; 26-JUN-2011 12:50:09; Dark ; 48.0; 116; 19Del Sgr ; 2.70; 4100;occ; 96; 0;48745
 19; 7473.2; 26-JUN-2011 12:52:16; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48745

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 3; 2664.2; 26-JUN-2011 13:12:21; Bright; 41.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 82; 0;48745
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 7; 4044.0; 26-JUN-2011 13:35:20; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;48745
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 12; 5439.2; 26-JUN-2011 13:58:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48745
 13; 6053.4; 26-JUN-2011 14:08:50; Dark ; 58.5; 84; Alp Phe ; 2.40; 4500;occ; 117; 0;48746
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 10; 4639.5; 26-JUN-2011 15:25:30; Dark ; 54.0; 50; 13Alp Ari ; 2.01; 4250;occ; 108; 0;48746
 11; 4933.5; 26-JUN-2011 15:30:24; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;48746
 12; 5440.0; 26-JUN-2011 15:38:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48746
 13; 6054.2; 26-JUN-2011 15:49:05; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;48747
 14; 6443.2; 26-JUN-2011 15:55:33; Dark ; 56.0; 63; Bet Gru ; 2.15; 2800;occ; 112; 0;48747
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 16; 6725.9; 26-JUN-2011 16:00:16; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;48747
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 3; 1459.6; 26-JUN-2011 16:12:44; Bright; 48.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 96; 0;48747
 4; 1971.7; 26-JUN-2011 16:21:16; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48747
 5; 2112.7; 26-JUN-2011 16:23:37; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;48747
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 8; 3789.4; 26-JUN-2011 16:51:34; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;48747
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3; 447.6; 27-JUN-2011 23:40:18; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48766
4; 565.6; 27-JUN-2011 23:42:16; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;48766
5; 721.7; 27-JUN-2011 23:44:52; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48766
6; 1255.6; 27-JUN-2011 23:53:46; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;48766
7; 1338.0; 27-JUN-2011 23:55:08; Dark ; 41.0; 116; 19Del Sgr ; 2.70; 4100;occ; 82; 0;48766
8; 1463.5; 27-JUN-2011 23:57:14; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48766
9; 1970.6; 28-JUN-2011 00:05:41; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48766
10; 2110.7; 28-JUN-2011 00:08:01; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;48766
11; 2652.3; 28-JUN-2011 00:17:02; Bright; 45.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 91; 0;48766
12; 2798.8; 28-JUN-2011 00:19:29; Bright; 53.0; 130; 23Bet Dra ; 2.80; 5800;occ; 106; 0;48766
13; 3346.5; 28-JUN-2011 00:28:37; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;48766
14; 3780.1; 28-JUN-2011 00:35:50; Bright; 69.0; 74; 11Bet Cas ; 2.27; 6600;occ; 138; 0;48766
15; 3878.8; 28-JUN-2011 00:37:29; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48766
16; 4043.4; 28-JUN-2011 00:40:14; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48766
17; 4245.9; 28-JUN-2011 00:43:36; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48766
18; 4399.4; 28-JUN-2011 00:46:10; Dark ; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;48766
19; 4645.3; 28-JUN-2011 00:50:15; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48766
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2; -2130.7; 27-JUN-2011 06:15:00; Bright; 48.5; 68; 18Alp Cas ; 2.22; 4500;occ; 97; 0;48755
3; -1970.3; 27-JUN-2011 06:17:40; Bright; 49.5; 160; 23Gam Per ; 2.93; 4700;occ; 99; 0;48755
4; -1767.6; 27-JUN-2011 06:21:03; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48755
5; -1615.4; 27-JUN-2011 06:23:35; Dark ; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;48755
6; -1371.9; 27-JUN-2011 06:27:39; Dark ; 53.0; 50; 13Alp Ari ; 2.01; 4250;occ; 106; 0;48755
7; -1077.5; 27-JUN-2011 06:32:33; Dark ; 47.0; 94; 92Alp Cet ; 2.53; 3100;occ; 94; 0;48755
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10; 438.0; 27-JUN-2011 06:57:48; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;48756
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12; 716.7; 27-JUN-2011 07:02:27; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48756
13; 1252.9; 27-JUN-2011 07:11:23; Dark ; 46.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 92; 0;48756
14; 1335.5; 27-JUN-2011 07:12:46; Dark ; 46.5; 116; 19Del Sgr ; 2.70; 4100;occ; 93; 0;48756
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 5; 3353.1; 27-JUN-2011 07:46:23; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;48756
 6; 3785.1; 27-JUN-2011 07:53:35; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48756
 7; 3882.8; 27-JUN-2011 07:55:13; Bright; 49.5; 68; 18Alp Cas ; 2.22; 4500;occ; 99; 0;48756
 8; 4043.7; 27-JUN-2011 07:57:54; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;48756
 9; 4246.5; 27-JUN-2011 08:01:17; Bright; 45.0; 73; 57Gam1And ; 2.26; 13100;occ; 90; 0;48756
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 11; 4642.4; 27-JUN-2011 08:07:53; Dark ; 53.0; 50; 13Alp Ari ; 2.01; 4250;occ; 106; 0;48756
 12; 4937.0; 27-JUN-2011 08:12:47; Dark ; 47.0; 94; 92Alp Cet ; 2.53; 3100;occ; 94; 0;48756
 13; 5447.8; 27-JUN-2011 08:21:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48756
 14; 6064.0; 27-JUN-2011 08:31:34; Dark ; 58.5; 84; Alp Phe ; 2.40; 4500;occ; 117; 0;48757
 15; 6452.9; 27-JUN-2011 08:38:03; Dark ; 65.0; 63; Bet Gru ; 2.15; 2800;occ; 130; 0;48757
 16; 6571.5; 27-JUN-2011 08:40:02; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48757
 17; 6731.3; 27-JUN-2011 08:42:42; Dark ; 44.5; 45; Alp Pav ; 1.94; 26000;occ; 89; 0;48757
 18; 7267.1; 27-JUN-2011 08:51:38; Dark ; 42.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 84; 0;48757
 19; 7349.7; 27-JUN-2011 08:53:00; Dark ; 41.0; 116; 19Del Sgr ; 2.70; 4100;occ; 82; 0;48757
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 2; 2111.9; 27-JUN-2011 09:05:56; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;48757
 3; 2657.4; 27-JUN-2011 09:15:02; Bright; 46.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 92; 0;48757
 4; 2800.9; 27-JUN-2011 09:17:25; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48757
 5; 3352.2; 27-JUN-2011 09:26:37; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48757
 6; 3784.6; 27-JUN-2011 09:33:49; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48757
 7; 3882.5; 27-JUN-2011 09:35:27; Bright; 49.5; 68; 18Alp Cas ; 2.22; 4500;occ; 99; 0;48757
 8; 4043.7; 27-JUN-2011 09:38:08; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;48757
 9; 4246.6; 27-JUN-2011 09:41:31; Bright; 44.0; 73; 57Gam1And ; 2.26; 13100;occ; 88; 0;48757
 10; 4398.8; 27-JUN-2011 09:44:03; Dark ; 47.0; 173; 4Bet Tri ; 3.00; 8900;occ; 94; 0;48757
 11; 4642.7; 27-JUN-2011 09:48:07; Dark ; 56.5; 50; 13Alp Ari ; 2.01; 4250;occ; 113; 0;48757
 12; 4937.4; 27-JUN-2011 09:53:02; Dark ; 48.5; 94; 92Alp Cet ; 2.53; 3100;occ; 97; 0;48757
 13; 5448.6; 27-JUN-2011 10:01:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48757
 14; 6065.2; 27-JUN-2011 10:11:50; Dark ; 48.0; 84; Alp Phe ; 2.40; 4500;occ; 96; 0;48758
 15; 6453.6; 27-JUN-2011 10:18:18; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48758
 16; 6572.2; 27-JUN-2011 10:20:17; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;48758
 17; 6731.5; 27-JUN-2011 10:22:56; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48758
 18; 7267.3; 27-JUN-2011 10:31:52; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;48758
 19; 7350.0; 27-JUN-2011 10:33:14; Dark ; 50.0; 116; 19Del Sgr ; 2.70; 4100;occ; 100; 0;48758
 20; 7475.8; 27-JUN-2011 10:35:20; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48758

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 2; 2111.6; 27-JUN-2011 10:46:10; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;48758
 3; 2656.8; 27-JUN-2011 10:55:15; Bright; 49.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 98; 0;48758
 4; 2800.3; 27-JUN-2011 10:57:39; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;48758
 5; 3351.8; 27-JUN-2011 11:06:50; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48758
 6; 3784.1; 27-JUN-2011 11:14:02; Bright; 51.5; 74; 11Bet Cas ; 2.27; 6600;occ; 103; 0;48758
 7; 3882.1; 27-JUN-2011 11:15:40; Bright; 47.5; 68; 18Alp Cas ; 2.22; 4500;occ; 95; 0;48758
 8; 4043.5; 27-JUN-2011 11:18:22; Bright; 35.5; 160; 23Gam Per ; 2.93; 4700;occ; 71; 0;48758
 9; 4246.4; 27-JUN-2011 11:21:45; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48758
 10; 4398.7; 27-JUN-2011 11:24:17; Dark ; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;48758
 11; 4642.8; 27-JUN-2011 11:28:21; Dark ; 55.5; 50; 13Alp Ari ; 2.01; 4250;occ; 111; 0;48758
 12; 4937.7; 27-JUN-2011 11:33:16; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;48758
 13; 5449.4; 27-JUN-2011 11:41:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48758
 14; 6066.0; 27-JUN-2011 11:52:04; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;48759
 15; 6454.7; 27-JUN-2011 11:58:33; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;48759
 16; 6573.4; 27-JUN-2011 12:00:32; Dark ; 55.0; 31; Alp Gru ; 1.73; 15200;occ; 110; 0;48759
 17; 6732.3; 27-JUN-2011 12:03:11; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;48759
 18; 7267.8; 27-JUN-2011 12:12:06; Dark ; 43.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 87; 0;48759
 19; 7350.3; 27-JUN-2011 12:13:29; Dark ; 44.0; 116; 19Del Sgr ; 2.70; 4100;occ; 88; 0;48759
 20; 7476.2; 27-JUN-2011 12:15:34; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48759

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 2; 2111.7; 27-JUN-2011 12:26:24; Bright; 36.5; 59; 55Alp Oph ; 2.08; 8900;occ; 73; 0;48759
 3; 2656.4; 27-JUN-2011 12:35:29; Bright; 42.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 84; 0;48759
 4; 2800.3; 27-JUN-2011 12:37:52; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48759
 5; 3351.0; 27-JUN-2011 12:47:03; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48759
 6; 3783.5; 27-JUN-2011 12:54:16; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;48759
 7; 3881.8; 27-JUN-2011 12:55:54; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48759

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9; 4246.4; 27-JUN-2011 13:01:59; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48759
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11; 4643.2; 27-JUN-2011 13:08:35; Dark ; 58.5; 50; 13Alp Ari ; 2.01; 4250;occ; 117; 0;48759
12; 4938.2; 27-JUN-2011 13:13:30; Dark ; 47.0; 94; 92Alp Cet ; 2.53; 3100;occ; 94; 0;48759
13; 5450.2; 27-JUN-2011 13:22:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48759
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15; 6455.7; 27-JUN-2011 13:38:48; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48760
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17; 6732.7; 27-JUN-2011 13:43:25; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48760
18; 7267.9; 27-JUN-2011 13:52:20; Dark ; 43.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 86; 0;48760
19; 7350.4; 27-JUN-2011 13:53:43; Dark ; 47.0; 116; 19Del Sgr ; 2.70; 4100;occ; 94; 0;48760
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3; 2655.6; 27-JUN-2011 14:15:42; Bright; 45.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 90; 0;48760
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5; 3350.6; 27-JUN-2011 14:27:17; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;48760
6; 3783.2; 27-JUN-2011 14:34:29; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48760
7; 3881.6; 27-JUN-2011 14:36:08; Bright; 46.0; 68; 18Alp Cas ; 2.22; 4500;occ; 92; 0;48760
8; 4043.7; 27-JUN-2011 14:38:50; Bright; 35.0; 160; 23Gam Per ; 2.93; 4700;occ; 70; 0;48760
9; 4246.5; 27-JUN-2011 14:42:13; Bright; 48.5; 73; 57Gam1And ; 2.26; 13100;occ; 97; 0;48760
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9; 4043.6; 27-JUN-2011 16:19:04; Bright; 35.5; 160; 23Gam Per ; 2.93; 4700;occ; 71; 0;48761
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3; 1462.8; 27-JUN-2011 17:16:17; Bright; 47.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 94; 0;48762
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19; 4400.2; 29-JUN-2011 00:09:26; Dark ; 49.0; 173; 4Bet Tri ; 3.00; 8900;occ; 98; 0;48780
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12; 724.3; 28-JUN-2011 08:06:04; Dark ; 45.0; 45; Alp Pav ; 1.94; 26000;occ; 90; 0;48771
13; 1257.2; 28-JUN-2011 08:14:57; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;48771
14; 1339.4; 28-JUN-2011 08:16:20; Dark ; 49.0; 116; 19Del Sgr ; 2.70; 4100;occ; 98; 0;48771
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 4; 2798.0; 28-JUN-2011 08:40:38; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48771
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 6; 3777.8; 28-JUN-2011 08:56:58; Bright; 51.5; 74; 11Bet Cas ; 2.27; 6600;occ; 103; 0;48771
 7; 3876.8; 28-JUN-2011 08:58:37; Bright; 49.0; 68; 18Alp Cas ; 2.22; 4500;occ; 98; 0;48771
 8; 4043.3; 28-JUN-2011 09:01:23; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48771
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18; 7271.4; 28-JUN-2011 09:55:12; Dark ; 45.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 91; 0;48772
19; 7353.4; 28-JUN-2011 09:56:34; Dark ; 50.0; 116; 19Del Sgr ; 2.70; 4100;occ; 100; 0;48772
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6; 3777.1; 28-JUN-2011 10:37:11; Bright; 69.0; 74; 11Bet Cas ; 2.27; 6600;occ; 138; 0;48772
7; 3876.3; 28-JUN-2011 10:38:50; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48772
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9; 4245.8; 28-JUN-2011 10:45:00; Bright; 46.5; 73; 57Gam1And ; 2.26; 13100;occ; 93; 0;48772
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14; 6079.6; 28-JUN-2011 11:15:34; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;48773
15; 6468.2; 28-JUN-2011 11:22:02; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;48773
16; 6586.1; 28-JUN-2011 11:24:00; Dark ; 53.0; 31; Alp Gru ; 1.73; 15200;occ; 106; 0;48773
17; 6739.2; 28-JUN-2011 11:26:33; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48773
18; 7271.4; 28-JUN-2011 11:35:26; Dark ; 45.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 90; 0;48773
19; 7353.7; 28-JUN-2011 11:36:48; Dark ; 50.0; 116; 19Del Sgr ; 2.70; 4100;occ; 100; 0;48773
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3; 2648.8; 28-JUN-2011 11:58:37; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48773
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5; 3341.5; 28-JUN-2011 12:10:09; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;48773
6; 3776.9; 28-JUN-2011 12:17:25; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;48773
7; 3875.9; 28-JUN-2011 12:19:04; Bright; 48.5; 68; 18Alp Cas ; 2.22; 4500;occ; 97; 0;48773
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9; 4245.9; 28-JUN-2011 12:25:14; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48773
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11; 4647.3; 28-JUN-2011 12:31:55; Dark ; 54.0; 50; 13Alp Ari ; 2.01; 4250;occ; 108; 0;48773
12; 4943.5; 28-JUN-2011 12:36:52; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;48773
13; 5461.5; 28-JUN-2011 12:45:30; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48773
14; 6080.6; 28-JUN-2011 12:55:49; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;48774
15; 6469.2; 28-JUN-2011 13:02:17; Dark ; 50.5; 63; Bet Gru ; 2.15; 2800;occ; 101; 0;48774
16; 6587.0; 28-JUN-2011 13:04:15; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48774
17; 6739.7; 28-JUN-2011 13:06:48; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48774
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19; 7354.0; 28-JUN-2011 13:17:02; Dark ; 45.5; 116; 19Del Sgr ; 2.70; 4100;occ; 91; 0;48774
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2; 2110.6; 28-JUN-2011 13:29:53; Bright; 36.5; 59; 55Alp Oph ; 2.08; 8900;occ; 73; 0;48774
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4; 2797.4; 28-JUN-2011 13:41:19; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48774
5; 3341.0; 28-JUN-2011 13:50:23; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48774
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9; 4245.7; 28-JUN-2011 14:05:28; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48774
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13; 5462.4; 28-JUN-2011 14:25:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48774
14; 6081.8; 28-JUN-2011 14:36:04; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;48775
15; 6470.3; 28-JUN-2011 14:42:32; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;48775
16; 6587.8; 28-JUN-2011 14:44:30; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;48775
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18; 7272.4; 28-JUN-2011 14:55:54; Dark ; 47.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 95; 0;48775
19; 7354.4; 28-JUN-2011 14:57:16; Dark ; 49.5; 116; 19Del Sgr ; 2.70; 4100;occ; 99; 0;48775
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5; 2647.9; 28-JUN-2011 15:19:04; Bright; 48.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 97; 0;48775
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7; 3340.4; 28-JUN-2011 15:30:36; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48775
8; 3775.8; 28-JUN-2011 15:37:52; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;48775
9; 3875.4; 28-JUN-2011 15:39:31; Bright; 48.5; 68; 18Alp Cas ; 2.22; 4500;occ; 97; 0;48775

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 13; 4648.2; 28-JUN-2011 15:52:24; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48775
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 17; 6471.5; 28-JUN-2011 16:22:47; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;48776
 18; 6589.0; 28-JUN-2011 16:24:45; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;48776
 19; 6740.9; 28-JUN-2011 16:27:17; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;48776

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 4; 1970.4; 28-JUN-2011 16:48:00; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48776
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 18; 6472.5; 28-JUN-2011 18:03:02; Dark ; 54.0; 63; Bet Gru ; 2.15; 2800;occ; 108; 0;48777
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 19; 6590.7; 28-JUN-2011 19:45:15; Dark ; 48.0; 31; Alp Gru ; 1.73; 15200;occ; 96; 0;48778
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 15; 3772.7; 29-JUN-2011 01:39:13; Bright; 70.0; 74; 11Bet Cas ; 2.27; 6600;occ; 140; 0;48781

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 9; 2109.6; 29-JUN-2011 02:51:43; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48782
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13; 1300.5; 29-JUN-2011 04:18:28; Dark ; 45.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 90; 0;48783
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13; 1300.7; 29-JUN-2011 05:58:43; Dark ; 45.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 91; 0;48784
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 4; 2109.3; 29-JUN-2011 21:14:17; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48793
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 10; 4401.0; 29-JUN-2011 10:10:51; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;48786
 11; 4651.6; 29-JUN-2011 10:15:02; Dark ; 60.5; 50; 13Alp Ari ; 2.01; 4250;occ; 121; 0;48786
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 13; 5472.4; 29-JUN-2011 10:28:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48786
 14; 6093.9; 29-JUN-2011 10:39:04; Dark ; 51.0; 84; Alp Phe ; 2.40; 4500;occ; 102; 0;48787
 15; 6482.1; 29-JUN-2011 10:45:32; Dark ; 69.0; 63; Bet Gru ; 2.15; 2800;occ; 138; 0;48787
 16; 6599.1; 29-JUN-2011 10:47:29; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;48787
 17; 6746.3; 29-JUN-2011 10:49:56; Dark ; 44.5; 45; Alp Pav ; 1.94; 26000;occ; 89; 0;48787
 18; 7315.9; 29-JUN-2011 10:59:26; Dark ; 46.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 92; 0;48787
 19; 7481.9; 29-JUN-2011 11:02:12; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;48787

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 2; 2109.7; 29-JUN-2011 11:12:53; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48787
 3; 2223.6; 29-JUN-2011 11:14:47; Bright; 51.0; 168; 17Zet Aql ; 2.99; 11000;occ; 102; 0;48787
 4; 2641.7; 29-JUN-2011 11:21:46; Bright; 48.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 97; 0;48787
 5; 2795.2; 29-JUN-2011 11:24:19; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48787
 6; 3769.6; 29-JUN-2011 11:40:33; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48787
 7; 3870.2; 29-JUN-2011 11:42:14; Bright; 46.5; 68; 18Alp Cas ; 2.22; 4500;occ; 93; 0;48787
 8; 4042.6; 29-JUN-2011 11:45:06; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;48787
 9; 4244.9; 29-JUN-2011 11:48:29; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48787
 10; 4401.0; 29-JUN-2011 11:51:05; Dark ; 49.0; 173; 4Bet Tri ; 3.00; 8900;occ; 98; 0;48787
 11; 4651.9; 29-JUN-2011 11:55:16; Dark ; 56.0; 50; 13Alp Ari ; 2.01; 4250;occ; 112; 0;48787
 12; 4949.2; 29-JUN-2011 12:00:13; Dark ; 47.0; 94; 92Alp Cet ; 2.53; 3100;occ; 94; 0;48787
 13; 5473.3; 29-JUN-2011 12:08:57; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48787
 14; 6094.8; 29-JUN-2011 12:19:19; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;48788
 15; 6483.0; 29-JUN-2011 12:25:47; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;48788
 16; 6599.9; 29-JUN-2011 12:27:44; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;48788
 17; 6746.7; 29-JUN-2011 12:30:11; Dark ; 45.0; 45; Alp Pav ; 1.94; 26000;occ; 90; 0;48788
 18; 7316.2; 29-JUN-2011 12:39:40; Dark ; 45.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 90; 0;48788
 19; 7482.1; 29-JUN-2011 12:42:26; Bright; 45.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 90; 0;48788

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 3; 2223.3; 29-JUN-2011 12:55:01; Bright; 48.5; 168; 17Zet Aql ; 2.99; 11000;occ; 97; 0;48788
 4; 2641.3; 29-JUN-2011 13:01:59; Bright; 46.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 93; 0;48788
 5; 2795.1; 29-JUN-2011 13:04:33; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48788
 6; 2914.0; 29-JUN-2011 13:06:32; Bright; 33.0; 144; 18Del Cyg ; 2.86; 11000;occ; 66; 0;48788
 7; 3769.2; 29-JUN-2011 13:20:47; Bright; 70.0; 74; 11Bet Cas ; 2.27; 6600;occ; 140; 0;48788
 8; 3869.9; 29-JUN-2011 13:22:28; Bright; 49.5; 68; 18Alp Cas ; 2.22; 4500;occ; 99; 0;48788
 9; 4042.5; 29-JUN-2011 13:25:20; Bright; 35.5; 160; 23Gam Per ; 2.93; 4700;occ; 71; 0;48788
 10; 4244.9; 29-JUN-2011 13:28:43; Bright; 56.5; 73; 57Gam1And ; 2.26; 13100;occ; 113; 0;48788
 11; 4401.0; 29-JUN-2011 13:31:19; Dark ; 50.5; 173; 4Bet Tri ; 3.00; 8900;occ; 101; 0;48788
 12; 4652.2; 29-JUN-2011 13:35:30; Dark ; 55.0; 50; 13Alp Ari ; 2.01; 4250;occ; 110; 0;48788
 13; 4949.7; 29-JUN-2011 13:40:27; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;48788
 14; 5474.1; 29-JUN-2011 13:49:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48788
 15; 6095.9; 29-JUN-2011 13:59:34; Dark ; 59.0; 84; Alp Phe ; 2.40; 4500;occ; 118; 0;48789
 16; 6484.1; 29-JUN-2011 14:06:02; Dark ; 50.5; 63; Bet Gru ; 2.15; 2800;occ; 101; 0;48789
 17; 6600.8; 29-JUN-2011 14:07:59; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;48789
 18; 6747.3; 29-JUN-2011 14:10:25; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48789
 19; 7316.3; 29-JUN-2011 14:19:54; Dark ; 46.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 92; 0;48789
 20; 7482.2; 29-JUN-2011 14:22:40; Bright; 44.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 89; 0;48789

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 2; 2109.7; 29-JUN-2011 14:33:21; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;48789
 3; 2222.7; 29-JUN-2011 14:35:14; Bright; 50.5; 168; 17Zet Aql ; 2.99; 11000;occ; 101; 0;48789
 4; 2640.8; 29-JUN-2011 14:42:13; Bright; 44.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 89; 0;48789
 5; 2795.0; 29-JUN-2011 14:44:47; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;48789
 6; 2913.3; 29-JUN-2011 14:46:45; Bright; 33.0; 144; 18Del Cyg ; 2.86; 11000;occ; 66; 0;48789

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9; 3869.5; 29-JUN-2011 15:02:41; Bright; 47.0; 68; 18Alp Cas ; 2.22; 4500;occ; 94; 0;48789
10; 4042.6; 29-JUN-2011 15:05:34; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48789
11; 4245.0; 29-JUN-2011 15:08:57; Bright; 46.0; 73; 57Gam1And ; 2.26; 13100;occ; 92; 0;48789
12; 4401.2; 29-JUN-2011 15:11:33; Dark ; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;48789
13; 4652.6; 29-JUN-2011 15:15:44; Dark ; 52.0; 50; 13Alp Ari ; 2.01; 4250;occ; 104; 0;48789
14; 4950.1; 29-JUN-2011 15:20:42; Dark ; 50.0; 94; 92Alp Cet ; 2.53; 3100;occ; 100; 0;48789
15; 5475.0; 29-JUN-2011 15:29:27; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48789
16; 6097.0; 29-JUN-2011 15:39:49; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;48790
17; 6485.0; 29-JUN-2011 15:46:17; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;48790
18; 6601.6; 29-JUN-2011 15:48:13; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;48790
19; 6747.8; 29-JUN-2011 15:50:40; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48790
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3; 1970.1; 29-JUN-2011 16:11:16; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48790
4; 2109.6; 29-JUN-2011 16:13:35; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48790
5; 2222.2; 29-JUN-2011 16:15:28; Bright; 48.0; 168; 17Zet Aql ; 2.99; 11000;occ; 96; 0;48790
6; 2640.3; 29-JUN-2011 16:22:26; Bright; 47.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 95; 0;48790
7; 2794.8; 29-JUN-2011 16:25:01; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48790
8; 2912.4; 29-JUN-2011 16:26:58; Bright; 38.0; 144; 18Del Cyg ; 2.86; 11000;occ; 76; 0;48790
9; 3330.3; 29-JUN-2011 16:33:56; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;48790
10; 3768.2; 29-JUN-2011 16:41:14; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;48790
11; 3869.1; 29-JUN-2011 16:42:55; Bright; 50.0; 68; 18Alp Cas ; 2.22; 4500;occ; 100; 0;48790
12; 4042.5; 29-JUN-2011 16:45:48; Bright; 36.5; 160; 23Gam Per ; 2.93; 4700;occ; 73; 0;48790
13; 4244.8; 29-JUN-2011 16:49:11; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48790
14; 4401.2; 29-JUN-2011 16:51:47; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;48790
15; 4652.8; 29-JUN-2011 16:55:59; Dark ; 59.0; 50; 13Alp Ari ; 2.01; 4250;occ; 118; 0;48790
16; 4950.6; 29-JUN-2011 17:00:56; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;48790
17; 5476.0; 29-JUN-2011 17:09:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48790
18; 6098.1; 29-JUN-2011 17:20:04; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;48791
19; 6486.1; 29-JUN-2011 17:26:32; Dark ; 50.0; 63; Bet Gru ; 2.15; 2800;occ; 100; 0;48791
20; 6602.7; 29-JUN-2011 17:28:28; Dark ; 48.0; 31; Alp Gru ; 1.73; 15200;occ; 96; 0;48791
21; 6748.4; 29-JUN-2011 17:30:54; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;48791
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3; 1969.9; 29-JUN-2011 17:51:30; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48791
4; 2109.5; 29-JUN-2011 17:53:49; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;48791
5; 2221.7; 29-JUN-2011 17:55:42; Bright; 67.0; 168; 17Zet Aql ; 2.99; 11000;occ; 134; 0;48791
6; 2639.8; 29-JUN-2011 18:02:40; Bright; 46.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 93; 0;48791
7; 2794.5; 29-JUN-2011 18:05:14; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;48791
8; 2911.3; 29-JUN-2011 18:07:11; Bright; 38.0; 144; 18Del Cyg ; 2.86; 11000;occ; 76; 0;48791
9; 3329.7; 29-JUN-2011 18:14:09; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;48791
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11; 3868.5; 29-JUN-2011 18:23:08; Bright; 50.0; 68; 18Alp Cas ; 2.22; 4500;occ; 100; 0;48791
12; 4042.3; 29-JUN-2011 18:26:02; Bright; 51.0; 160; 23Gam Per ; 2.93; 4700;occ; 102; 0;48791
13; 4244.8; 29-JUN-2011 18:29:25; Bright; 46.5; 73; 57Gam1And ; 2.26; 13100;occ; 93; 0;48791
14; 4401.3; 29-JUN-2011 18:32:01; Dark ; 50.0; 173; 4Bet Tri ; 3.00; 8900;occ; 100; 0;48791
15; 4653.1; 29-JUN-2011 18:36:13; Dark ; 58.0; 50; 13Alp Ari ; 2.01; 4250;occ; 116; 0;48791
16; 4950.9; 29-JUN-2011 18:41:11; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;48791
17; 5476.8; 29-JUN-2011 18:49:57; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48791
18; 6099.0; 29-JUN-2011 19:00:19; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;48792
19; 6487.0; 29-JUN-2011 19:06:47; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;48792
20; 6603.6; 29-JUN-2011 19:08:43; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;48792
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4; 592.1; 30-JUN-2011 00:09:28; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48795
5; 736.1; 30-JUN-2011 00:11:52; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48795
6; 1304.0; 30-JUN-2011 00:21:20; Dark ; 47.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 94; 0;48795
7; 1469.3; 30-JUN-2011 00:24:05; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;48795
8; 1969.7; 30-JUN-2011 00:32:25; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48795
9; 2109.2; 30-JUN-2011 00:34:45; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;48795

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 12; 2793.8; 30-JUN-2011 00:46:10; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48795
 13; 2907.7; 30-JUN-2011 00:48:03; Bright; 47.0; 144; 18Del Cyg ; 2.86; 11000;occ; 94; 0;48795
 14; 3326.7; 30-JUN-2011 00:55:02; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;48795
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 3; 1969.8; 29-JUN-2011 19:31:44; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48792
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 5; 2221.0; 29-JUN-2011 19:35:55; Bright; 48.0; 168; 17Zet Aql ; 2.99; 11000;occ; 96; 0;48792
 6; 2639.2; 29-JUN-2011 19:42:53; Bright; 43.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 86; 0;48792
 7; 2794.3; 29-JUN-2011 19:45:28; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;48792
 8; 2910.5; 29-JUN-2011 19:47:24; Bright; 42.0; 144; 18Del Cyg ; 2.86; 11000;occ; 84; 0;48792
 9; 3328.8; 29-JUN-2011 19:54:23; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48792
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 13; 4244.6; 29-JUN-2011 20:09:38; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48792
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 16; 4951.2; 29-JUN-2011 20:21:25; Dark ; 41.5; 94; 92Alp Cet ; 2.53; 3100;occ; 83; 0;48792
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13; 4145.4; 30-JUN-2011 21:11:29; Bright; 54.0; 175; 39Del Per ; 3.01; 19400;occ; 108; 0;48807
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12;	4243.9;	30-JUN-2011	12:51:57;	Bright;	47.0;	73;	57Gam1And	;	2.26;	13100;occ;	94;	0;48802	
13;	4402.0;	30-JUN-2011	12:54:36;	Dark	;	47.0;	173;	4Bet Tri	;	3.00;	8900;occ;	94;	0;48802
14;	4656.7;	30-JUN-2011	12:58:50;	Dark	;	56.0;	50;	13Alp Ari	;	2.01;	4250;occ;	112;	0;48802
15;	4955.4;	30-JUN-2011	13:03:49;	Dark	;	51.5;	94;	92Alp Cet	;	2.53;	3100;occ;	103;	0;48802
16;	5486.3;	30-JUN-2011	13:12:40;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;48802
17;	6110.1;	30-JUN-2011	13:23:04;	Dark	;	50.5;	84;	Alp Phe	;	2.40;	4500;occ;	101;	0;48803
18;	6497.5;	30-JUN-2011	13:29:31;	Dark	;	51.5;	63;	Bet Gru	;	2.15;	2800;occ;	103;	0;48803
19;	6613.3;	30-JUN-2011	13:31:27;	Dark	;	48.5;	31;	Alp Gru	;	1.73;	15200;occ;	97;	0;48803
20;	6754.2;	30-JUN-2011	13:33:48;	Dark	;	41.5;	45;	Alp Pav	;	1.94;	26000;occ;	83;	0;48803
21;	7320.6;	30-JUN-2011	13:43:14;	Dark	;	44.0;	103;	38Zet Sgr	;	2.60;	9700;occ;	88;	0;48803
22;	7485.0;	30-JUN-2011	13:45:59;	Bright;	45.5;	155;	41Pi Sgr	;	2.90;	6600;occ;	91;	0;48803	
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11;	4145.2;	30-JUN-2011	14:30:33;	Bright;	42.0;	175;	39Del Per	;	3.01;	19400;occ;	84;	0;48803	
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14;	4657.1;	30-JUN-2011	14:39:05;	Dark	;	59.0;	50;	13Alp Ari	;	2.01;	4250;occ;	118;	0;48803
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16;	5487.2;	30-JUN-2011	14:52:55;	Dark	;	59.0;	0;		;	0.00;	0;occ;	118;	0;48803
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3;	2109.0;	30-JUN-2011	15:36:51;	Bright;	39.5;	59;	55Alp Oph	;	2.08;	8900;occ;	79;	0;48804	
4;	2214.7;	30-JUN-2011	15:38:36;	Bright;	47.5;	168;	17Zet Aql	;	2.99;	11000;occ;	95;	0;48804	
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7;	2900.4;	30-JUN-2011	15:50:02;	Bright;	46.5;	144;	18Del Cyg	;	2.86;	11000;occ;	93;	0;48804	
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13;	4243.8;	30-JUN-2011	16:12:25;	Bright;	48.0;	73;	57Gam1And	;	2.26;	13100;occ;	96;	0;48804	
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19;	6499.6;	30-JUN-2011	16:50:01;	Dark	;	49.5;	63;	Bet Gru	;	2.15;	2800;occ;	99;	0;48805
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21;	6755.2;	30-JUN-2011	16:54:17;	Dark	;	41.5;	45;	Alp Pav	;	1.94;	26000;occ;	83;	0;48805
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7;	2899.6;	30-JUN-2011	17:30:15;	Bright;	47.5;	144;	18Del Cyg	;	2.86;	11000;occ;	95;	0;48805	
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17; 4957.2; 30-JUN-2011 19:44:47; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;48806
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