

# GOMOS Daily Report 11-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	12JUN2011 07:01:24
Data source version	GOMOS/6.01
Start time of products	11JUN2011 00:01:28
Stop time of products	11JUN2011 23:57:01
Store outputs in DB	Yes
Nb of level 1b prods	154
Nb of prods with errors	1

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

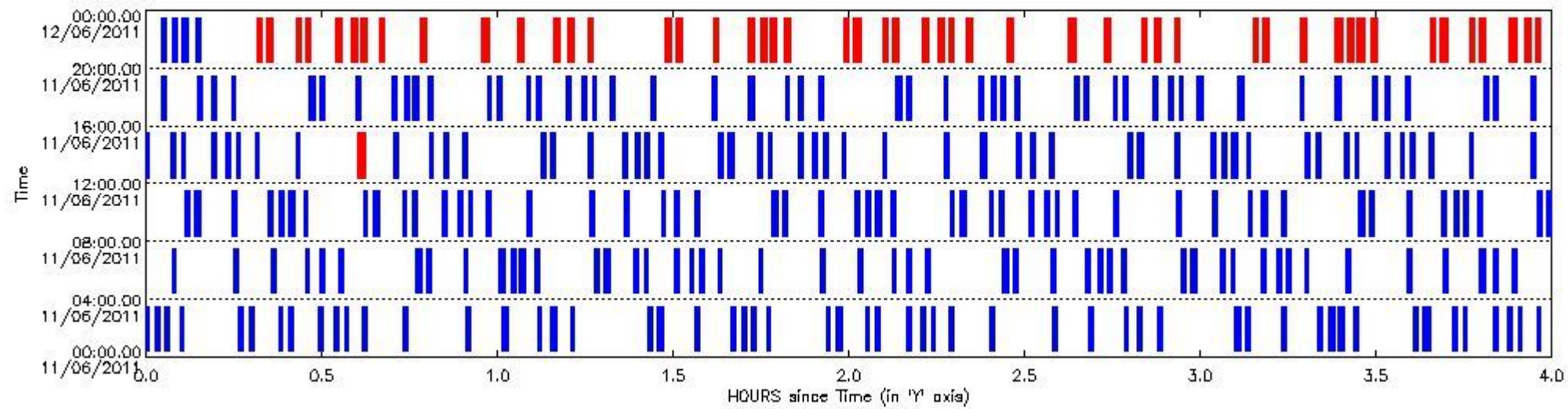
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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
11-JUN-2011 12:36:10	5AlpCep	89	48529
11-JUN-2011 20:18:47	35LamSco	25	48534
11-JUN-2011 20:20:27	34SigSgr	57	48534
11-JUN-2011 20:25:30	35EtaOph	86	48534
11-JUN-2011 20:27:14	13ZetOph	98	48534
11-JUN-2011 20:32:19	60BetOph	126	48534
11-JUN-2011 20:34:53	55AlpOph	59	48534
11-JUN-2011 20:36:41	27BetHer	127	48534
11-JUN-2011 20:39:47	40ZetHer	133	48534
11-JUN-2011 20:46:43	23BetDra	130	48534
11-JUN-2011 20:57:17	5AlpCep	89	48534
11-JUN-2011 21:03:25	11BetCas	74	48534
11-JUN-2011 21:09:39	57Gam1And	73	48534
11-JUN-2011 21:11:58	43BetAnd	53	48534
11-JUN-2011 21:15:20	13AlpAri	50	48534

11-JUN-2011 21:28:39	DSA1068	0	48534
11-JUN-2011 21:30:23	16BetCet	52	48534
11-JUN-2011 21:36:46	AlpPhe	84	48534
11-JUN-2011 21:42:48	BetGru	63	48535
11-JUN-2011 21:44:50	AlpGru	31	48535
11-JUN-2011 21:46:27	GamGru	172	48535
11-JUN-2011 21:48:57	AlpPav	45	48535
11-JUN-2011 21:59:01	35LamSco	25	48535
11-JUN-2011 22:00:42	34SigSgr	57	48535
11-JUN-2011 22:05:44	35EtaOph	86	48535
11-JUN-2011 22:07:28	13ZetOph	98	48535
11-JUN-2011 22:12:33	60BetOph	126	48535
11-JUN-2011 22:15:07	55AlpOph	59	48535
11-JUN-2011 22:16:55	27BetHer	127	48535
11-JUN-2011 22:20:01	40ZetHer	133	48535
11-JUN-2011 22:26:57	23BetDra	130	48535
11-JUN-2011 22:37:30	5AlpCep	89	48535
11-JUN-2011 22:43:38	11BetCas	74	48535
11-JUN-2011 22:49:53	57Gam1And	73	48535
11-JUN-2011 22:52:12	43BetAnd	53	48535
11-JUN-2011 22:55:34	13AlpAri	50	48535
11-JUN-2011 23:08:54	DSA1068	0	48535
11-JUN-2011 23:10:38	16BetCet	52	48535
11-JUN-2011 23:17:01	AlpPhe	84	48535
11-JUN-2011 23:23:03	BetGru	63	48536
11-JUN-2011 23:25:05	AlpGru	31	48536
11-JUN-2011 23:26:42	GamGru	172	48536
11-JUN-2011 23:29:11	AlpPav	45	48536
11-JUN-2011 23:39:16	35LamSco	25	48536
11-JUN-2011 23:40:56	34SigSgr	57	48536
11-JUN-2011 23:45:58	35EtaOph	86	48536
11-JUN-2011 23:47:43	13ZetOph	98	48536
11-JUN-2011 23:52:46	60BetOph	126	48536
11-JUN-2011 23:55:21	55AlpOph	59	48536
11-JUN-2011 23:57:09	27BetHer	127	48536

## 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_1PNPDE20110611_000128_000000473103_00232_48522_4635.N1	11-JUN-2011 00:01:28	Dark	47.000	31	Alp Gru	1.7340	15200.	94	48522	No
2	GOM_TRA_1PNPDE20110611_000300_000000583103_00232_48522_4636.N1	11-JUN-2011 00:03:00	Straylight	57.500	172	Gam Gru	3.0030	13100.	115	48522	No
3	GOM_TRA_1PNPDE20110611_000539_000000423103_00232_48522_4637.N1	11-JUN-2011 00:05:39	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48522	No
4	GOM_TRA_1PNPDE20110611_001548_000000453103_00232_48522_4638.N1	11-JUN-2011 00:15:48	Twilight	45.000	25	35Lam Sco	1.6200	28000.	90	48522	No
5	GOM_TRA_1PNPDE20110611_001727_000000583103_00232_48522_4639.N1	11-JUN-2011 00:17:27	Bright	58.000	57	34Sig Sgr	2.0660	26000.	116	48522	No
6	GOM_TRA_1PNPDE20110611_002233_000000413103_00232_48522_4640.N1	11-JUN-2011 00:22:33	Bright	41.000	86	35Eta Oph	2.4300	10200.	82	48522	No
7	GOM_TRA_1PNPDE20110611_002419_000000393103_00232_48522_4641.N1	11-JUN-2011 00:24:19	Bright	39.000	98	13Zet Oph	2.5710	30000.	78	48522	No
8	GOM_TRA_1PNPDE20110611_002928_000000473103_00232_48522_4642.N1	11-JUN-2011 00:29:28	Bright	47.000	126	60Bet Oph	2.7700	4250.0	94	48522	No
9	GOM_TRA_1PNPDE20110611_003203_000000463103_00232_48522_4643.N1	11-JUN-2011 00:32:03	Bright	45.500	59	55Alp Oph	2.0800	8900.0	91	48522	No
10	GOM_TRA_1PNPDE20110611_003348_000000383103_00232_48522_4644.N1	11-JUN-2011 00:33:48	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	48522	No
11	GOM_TRA_1PNPDE20110611_003655_000000393103_00232_48522_4645.N1	11-JUN-2011 00:36:55	Bright	38.500	133	40Zet Her	2.8070	6000.0	77	48522	No
12	GOM_TRA_1PNPDE20110611_004354_000000423103_00232_48522_4646.N1	11-JUN-2011 00:43:54	Bright	41.500	130	23Bet Dra	2.7990	5800.0	83	48522	No
13	GOM_TRA_1PNPDE20110611_005429_000000493103_00232_48522_4647.N1	11-JUN-2011 00:54:29	Bright	49.000	89	5Alp Cep	2.4510	8000.0	98	48522	No
14	GOM_TRA_1PNPDE20110611_010045_000000593103_00232_48522_4648.N1	11-JUN-2011 01:00:45	Bright	59.000	76	27Gam Cas	2.3000	30000.	118	48522	No
15	GOM_TRA_1PNPDE20110611_010644_000000363103_00232_48522_4649.N1	11-JUN-2011 01:06:44	Bright	36.000	73	57Gam1And	2.2600	13100.	72	48522	No
16	GOM_TRA_1PNPDE20110611_010902_000000633103_00232_48522_4650.N1	11-JUN-2011 01:09:02	Twilight	63.000	53	43Bet And	2.0480	3300.0	126	48522	No
17	GOM_TRA_1PNPDE20110611_011223_000000463103_00232_48522_4651.N1	11-JUN-2011 01:12:23	Twilight	46.000	50	13Alp Ari	2.0070	4250.0	92	48522	No
18	GOM_TRA_1PNPDE20110611_012717_000000583103_00232_48522_4665.N1	11-JUN-2011 01:27:17	Dark	57.500	52	16Bet Cet	2.0370	4500.0	115	48522	No
19	GOM_TRA_1PNPDE20110611_013342_000000423103_00232_48522_4666.N1	11-JUN-2011 01:33:42	Dark	41.500	84	Alp Phe	2.3970	4500.0	83	48522	No

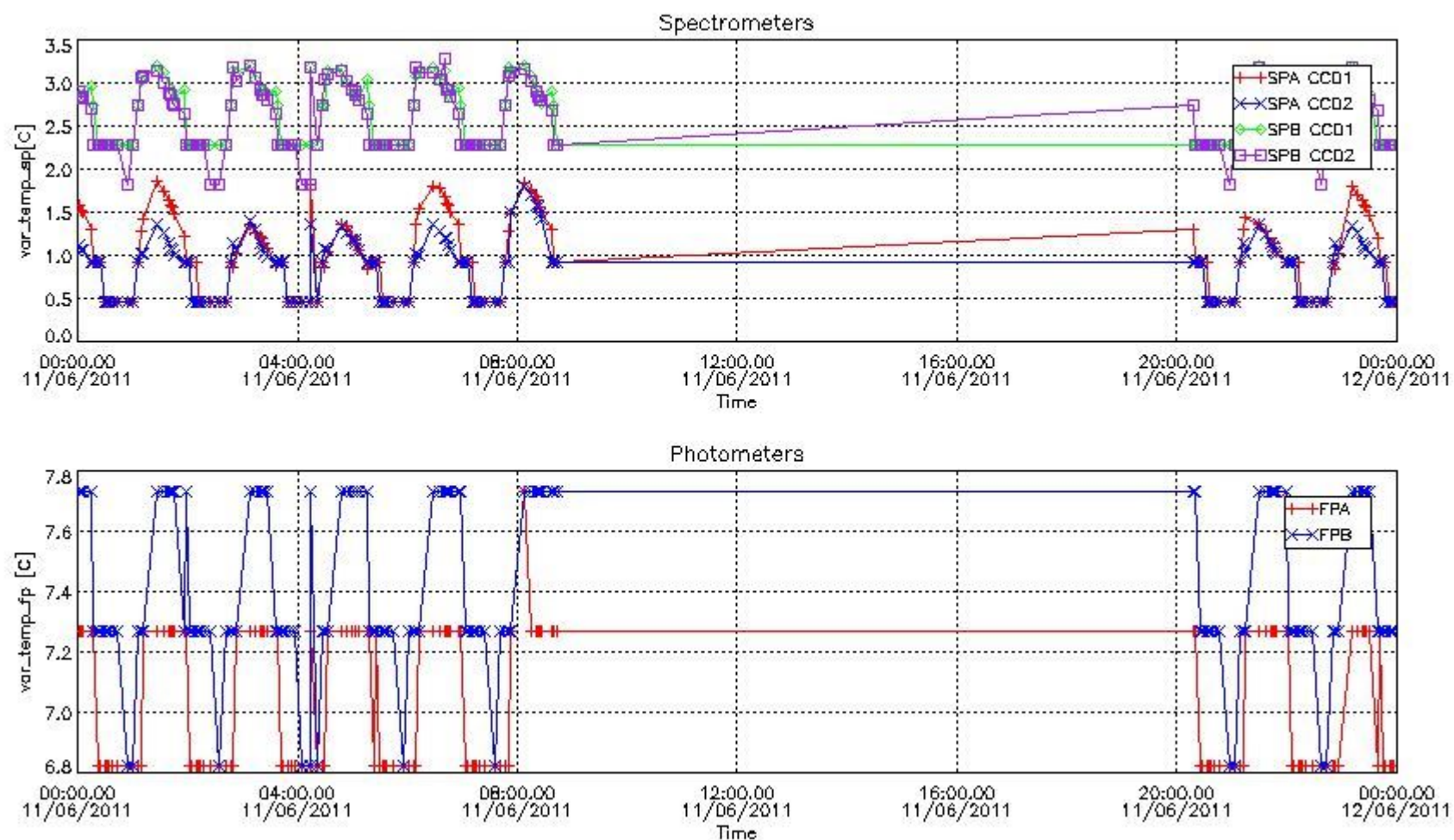
20	GOM_TRA_1PNPDE20110611_013941_000000583103_00233_48523_4667.N1	11-JUN-2011 01:39:41	Dark	58.000	63	Bet Gru	2.1500	2800.0	116	48523	No
21	GOM_TRA_1PNPDE20110611_014143_000000473103_00233_48523_4668.N1	11-JUN-2011 01:41:43	Dark	47.000	31	Alp Gru	1.7340	15200.	94	48523	No
22	GOM_TRA_1PNPDE20110611_014315_000000583103_00233_48523_4669.N1	11-JUN-2011 01:43:15	Straylight	57.500	172	Gam Gru	3.0030	13100.	115	48523	No
23	GOM_TRA_1PNPDE20110611_014554_000000433103_00233_48523_4670.N1	11-JUN-2011 01:45:54	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	48523	No
24	GOM_TRA_1PNPDE20110611_015603_000000443103_00233_48523_4671.N1	11-JUN-2011 01:56:03	Twilight	44.000	25	35Lam Sco	1.6200	28000.	88	48523	No
25	GOM_TRA_1PNPDE20110611_015742_000000763103_00233_48523_4672.N1	11-JUN-2011 01:57:42	Bright	76.000	57	34Sig Sgr	2.0660	26000.	152	48523	No
26	GOM_TRA_1PNPDE20110611_020247_000000423103_00233_48523_4673.N1	11-JUN-2011 02:02:47	Bright	41.500	86	35Eta Oph	2.4300	10200.	83	48523	No
27	GOM_TRA_1PNPDE20110611_020433_000000373103_00233_48523_4674.N1	11-JUN-2011 02:04:33	Bright	37.000	98	13Zet Oph	2.5710	30000.	74	48523	No
28	GOM_TRA_1PNPDE20110611_020942_000000493103_00233_48523_4675.N1	11-JUN-2011 02:09:42	Bright	49.000	126	60Bet Oph	2.7700	4250.0	98	48523	No
29	GOM_TRA_1PNPDE20110611_021216_000000483103_00233_48523_4676.N1	11-JUN-2011 02:12:16	Bright	47.500	59	55Alp Oph	2.0800	8900.0	95	48523	No
30	GOM_TRA_1PNPDE20110611_021401_000000403103_00233_48523_4677.N1	11-JUN-2011 02:14:01	Bright	39.500	127	27Bet Her	2.7810	4700.0	79	48523	No
31	GOM_TRA_1PNPDE20110611_021708_000000423103_00233_48523_4678.N1	11-JUN-2011 02:17:08	Bright	42.000	133	40Zet Her	2.8070	6000.0	84	48523	No
32	GOM_TRA_1PNPDE20110611_022407_000000393103_00233_48523_4679.N1	11-JUN-2011 02:24:07	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	48523	No
33	GOM_TRA_1PNPDE20110611_023443_000000483103_00233_48523_4680.N1	11-JUN-2011 02:34:43	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	48523	No
34	GOM_TRA_1PNPDE20110611_024059_000000403103_00233_48523_4681.N1	11-JUN-2011 02:40:59	Bright	40.000	76	27Gam Cas	2.3000	30000.	80	48523	No
35	GOM_TRA_1PNPDE20110611_024657_000000403103_00233_48523_4682.N1	11-JUN-2011 02:46:57	Bright	39.500	73	57Gam1And	2.2600	13100.	79	48523	No
36	GOM_TRA_1PNPDE20110611_024916_000000523103_00233_48523_4683.N1	11-JUN-2011 02:49:16	Twilight	52.000	53	43Bet And	2.0480	3300.0	104	48523	No
37	GOM_TRA_1PNPDE20110611_025237_000000453103_00233_48523_4684.N1	11-JUN-2011 02:52:37	Twilight	44.500	50	13Alp Ari	2.0070	4250.0	89	48523	No
38	GOM_TRA_1PNPDE20110611_030732_000000553103_00233_48523_4685.N1	11-JUN-2011 03:07:32	Dark	54.500	52	16Bet Cet	2.0370	4500.0	109	48523	No
39	GOM_TRA_1PNPDE20110611_031357_000000483103_00233_48523_4686.N1	11-JUN-2011 03:13:57	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	48523	No
40	GOM_TRA_1PNPDE20110611_031956_000000513103_00234_48524_4687.N1	11-JUN-2011 03:19:56	Dark	51.000	63	Bet Gru	2.1500	2800.0	102	48524	No
41	GOM_TRA_1PNPDE20110611_032158_000000523103_00234_48524_4688.N1	11-JUN-2011 03:21:58	Dark	51.500	31	Alp Gru	1.7340	15200.	103	48524	No
42	GOM_TRA_1PNPDE20110611_032331_000000563103_00234_48524_4689.N1	11-JUN-2011 03:23:31	Straylight	55.500	172	Gam Gru	3.0030	13100.	111	48524	No
43	GOM_TRA_1PNPDE20110611_032609_000000443103_00234_48524_4690.N1	11-JUN-2011 03:26:09	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	48524	No
44	GOM_TRA_1PNPDE20110611_033617_000000443103_00234_48524_4691.N1	11-JUN-2011 03:36:17	Twilight	44.000	25	35Lam Sco	1.6200	28000.	88	48524	No
45	GOM_TRA_1PNPDE20110611_033756_000000763103_00234_48524_4692.N1	11-JUN-2011 03:37:56	Bright	76.000	57	34Sig Sgr	2.0660	26000.	152	48524	No
46	GOM_TRA_1PNPDE20110611_034302_000000423103_00234_48524_4693.N1	11-JUN-2011 03:43:02	Bright	41.500	86	35Eta Oph	2.4300	10200.	83	48524	No
47	GOM_TRA_1PNPDE20110611_034447_000000383103_00234_48524_4694.N1	11-JUN-2011 03:44:47	Bright	38.000	98	13Zet Oph	2.5710	30000.	76	48524	No
48	GOM_TRA_1PNPDE20110611_034955_000000483103_00234_48524_4695.N1	11-JUN-2011 03:49:55	Bright	47.500	126	60Bet Oph	2.7700	4250.0	95	48524	No
49	GOM_TRA_1PNPDE20110611_035230_000000473103_00234_48524_4696.N1	11-JUN-2011 03:52:30	Bright	47.000	59	55Alp Oph	2.0800	8900.0	94	48524	No
50	GOM_TRA_1PNPDE20110611_035415_000000393103_00234_48524_4697.N1	11-JUN-2011 03:54:15	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	48524	No
51	GOM_TRA_1PNPDE20110611_035722_000000383103_00234_48524_4698.N1	11-JUN-2011 03:57:22	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	48524	No
52	GOM_TRA_1PNPDE20110611_040421_000000423103_00234_48524_4699.N1	11-JUN-2011 04:04:21	Bright	41.500	130	23Bet Dra	2.7990	5800.0	83	48524	No
53	GOM_TRA_1PNPDE20110611_041456_000000423103_00234_48524_4700.N1	11-JUN-2011 04:14:56	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	48524	No
54	GOM_TRA_1PNPDE20110611_041456_000000473103_00234_48524_4701.N1	11-JUN-2011 04:14:56	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	48524	Yes
55	GOM_TRA_1PNPDE20110611_042113_000000593103_00234_48524_4702.N1	11-JUN-2011 04:21:13	Bright	59.000	76	27Gam Cas	2.3000	30000.	118	48524	No
56	GOM_TRA_1PNPDE20110611_042711_000000373103_00234_48524_4703.N1	11-JUN-2011 04:27:11	Bright	36.500	73	57Gam1And	2.2600	13100.	73	48524	No
57	GOM_TRA_1PNPDE20110611_042930_000000543103_00234_48524_4704.N1	11-JUN-2011 04:29:30	Twilight	53.500	53	43Bet And	2.0480	3300.0	107	48524	No
58	GOM_TRA_1PNPDE20110611_043251_000000473103_00234_48524_4705.N1	11-JUN-2011 04:32:51	Twilight	46.500	50	13Alp Ari	2.0070	4250.0	93	48524	No
59	GOM_TRA_1PNPDE20110611_044747_000000593103_00234_48524_4706.N1	11-JUN-2011 04:47:47	Dark	59.000	52	16Bet Cet	2.0370	4500.0	118	48524	No
60	GOM_TRA_1PNPDE20110611_045411_000000423103_00234_48524_4707.N1	11-JUN-2011 04:54:11	Dark	41.500	84	Alp Phe	2.3970	4500.0	83	48524	No
61	GOM_TRA_1PNPDE20110611_050011_000000623103_00235_48525_4708.N1	11-JUN-2011 05:00:11	Dark	62.000	63	Bet Gru	2.1500	2800.0	124	48525	No
62	GOM_TRA_1PNPDE20110611_050213_000000473103_00235_48525_4709.N1	11-JUN-2011 05:02:13	Dark	47.000	31	Alp Gru	1.7340	15200.	94	48525	No
63	GOM_TRA_1PNPDE20110611_050346_000000573103_00235_48525_4710.N1	11-JUN-2011 05:03:46	Straylight	57.000	172	Gam Gru	3.0030	13100.	114	48525	No
64	GOM_TRA_1PNPDE20110611_050623_000000423103_00235_48525_4711.N1	11-JUN-2011 05:06:23	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48525	No
65	GOM_TRA_1PNPDE20110611_051631_000000463103_00235_48525_4712.N1	11-JUN-2011 05:16:31	Twilight	46.000	25	35Lam Sco	1.6200	28000.	92	48525	No
66	GOM_TRA_1PNPDE20110611_051810_000000633103_00235_48525_4713.N1	11-JUN-2011 05:18:10	Bright	62.500	57	34Sig Sgr	2.0660	26000.	125	48525	No
67	GOM_TRA_1PNPDE20110611_052316_000000423103_00235_48525_4714.N1	11-JUN-2011 05:23:16	Bright	41.500	86	35Eta Oph	2.4300	10200.	83	48525	No
68	GOM_TRA_1PNPDE20110611_052501_000000393103_00235_48525_4715.N1	11-JUN-2011 05:25:01	Bright	38.500	98	13Zet Oph	2.5710	30000.	77	48525	No
69	GOM_TRA_1PNPDE20110611_053009_000000483103_00235_48525_4716.N1	11-JUN-2011 05:30:09	Bright	48.000	126	60Bet Oph	2.7700	4250.0	96	48525	No
70	GOM_TRA_1PNPDE20110611_053244_000000453103_00235_48525_4717.N1	11-JUN-2011 05:32:44	Bright	45.000	59	55Alp Oph	2.0800	8900.0	90	48525	No
71	GOM_TRA_1PNPDE20110611_053429_000000393103_00235_48525_4718.N1	11-JUN-2011 05:34:29	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	48525	No
72	GOM_TRA_1PNPDE20110611_053736_000000413103_00235_48525_4719.N1	11-JUN-2011 05:37:36	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	48525	No
73	GOM_TRA_1PNPDE20110611_054434_000000433103_00235_48525_4720.N1	11-JUN-2011 05:44:34	Bright	42.500	130	23Bet Dra	2.7990	5800.0	85	48525	No
74	GOM_TRA_1PNPDE20110611_055509_000000483103_00235_48525_4721.N1	11-JUN-2011 05:55:09	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	48525	No
75	GOM_TRA_1PNPDE20110611_060127_000000593103_00235_48525_4719.N1	11-JUN-2011 06:01:27	Bright	59.000	76	27Gam Cas	2.3000	30000.	118	48525	No
76	GOM_TRA_1PNPDE20110611_060726_000000393103_00235_48525_4720.N1	11-JUN-2011 06:07:26	Bright	39.000	73	57Gam1And	2.2600	13100.	78	48525	No
77	GOM_TRA_1PNPDE20110611_060944_000000583103_00235_48525_4721.N1	11-JUN-2011 06:09:44	Twilight	57.500	53	43Bet And	2.0480	3300.0	115	48525	No
78	GOM_TRA_1PNPDE20110611_061305_000000483103_00235_48525_4722.N1	11-JUN-2011 06:13:05	Twilight	47.500	50	13Alp Ari	2.0070	4250.0	95	48525	No



79	GOM_TRA_1PNPDE20110611_062802_000000563103_00235_48525_4723.N1	11-JUN-2011 06:28:02	Dark	55.500	52	16Bet Cet	2.0370	4500.0	111	48525	No
80	GOM_TRA_1PNPDE20110611_063426_000000493103_00235_48525_4724.N1	11-JUN-2011 06:34:26	Dark	48.500	84	Alp Phe	2.3970	4500.0	97	48525	No
81	GOM_TRA_1PNPDE20110611_064026_000000483103_00236_48526_4725.N1	11-JUN-2011 06:40:26	Dark	48.000	63	Bet Gru	2.1500	2800.0	96	48526	No
82	GOM_TRA_1PNPDE20110611_064228_000000483103_00236_48526_4726.N1	11-JUN-2011 06:42:28	Dark	47.500	31	Alp Gru	1.7340	15200.	95	48526	No
83	GOM_TRA_1PNPDE20110611_064401_000000583103_00236_48526_4727.N1	11-JUN-2011 06:44:01	Straylight	57.500	172	Gam Gru	3.0030	13100.	115	48526	No
84	GOM_TRA_1PNPDE20110611_064638_000000433103_00236_48526_4728.N1	11-JUN-2011 06:46:38	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	48526	No
85	GOM_TRA_1PNPDE20110611_065646_000000483103_00236_48526_4729.N1	11-JUN-2011 06:56:46	Twl_and_stray	47.500	25	35Lam Sco	1.6200	28000.	95	48526	No
86	GOM_TRA_1PNPDE20110611_065825_000000593103_00236_48526_4730.N1	11-JUN-2011 06:58:25	Bright	59.000	57	34Sig Sgr	2.0660	26000.	118	48526	No
87	GOM_TRA_1PNPDE20110611_070330_000000413103_00236_48526_4731.N1	11-JUN-2011 07:03:30	Bright	40.500	86	35Eta Oph	2.4300	10200.	81	48526	No
88	GOM_TRA_1PNPDE20110611_070515_000000383103_00236_48526_4732.N1	11-JUN-2011 07:05:15	Bright	37.500	98	13Zet Oph	2.5710	30000.	75	48526	No
89	GOM_TRA_1PNPDE20110611_071023_000000473103_00236_48526_4733.N1	11-JUN-2011 07:10:23	Bright	47.000	126	60Bet Oph	2.7700	4250.0	94	48526	No
90	GOM_TRA_1PNPDE20110611_071257_000000473103_00236_48526_4734.N1	11-JUN-2011 07:12:57	Bright	46.500	59	55Alp Oph	2.0800	8900.0	93	48526	No
91	GOM_TRA_1PNPDE20110611_071443_000000403103_00236_48526_4735.N1	11-JUN-2011 07:14:43	Bright	39.500	127	27Bet Her	2.7810	4700.0	79	48526	No
92	GOM_TRA_1PNPDE20110611_071750_000000413103_00236_48526_4736.N1	11-JUN-2011 07:17:50	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	48526	No
93	GOM_TRA_1PNPDE20110611_072448_000000433103_00236_48526_4737.N1	11-JUN-2011 07:24:48	Bright	43.000	130	23Bet Dra	2.7990	5800.0	86	48526	No
94	GOM_TRA_1PNPDE20110611_073523_000000483103_00236_48526_4738.N1	11-JUN-2011 07:35:23	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	48526	No
95	GOM_TRA_1PNPDK20110611_074128_000000443103_00236_48526_2855.N1	11-JUN-2011 07:41:28	Bright	44.000	74	11Bet Cas	2.2680	6600.0	88	48526	No
96	GOM_TRA_1PNPDK20110611_074740_000000563103_00236_48526_2856.N1	11-JUN-2011 07:47:40	Bright	56.000	73	57Gam1And	2.2600	13100.	112	48526	No
97	GOM_TRA_1PNPDK20110611_074958_000000543103_00236_48526_2857.N1	11-JUN-2011 07:49:58	Twl_and_stray	53.500	53	43Bet And	2.0480	3300.0	107	48526	No
98	GOM_TRA_1PNPDK20110611_075320_000000483103_00236_48526_2858.N1	11-JUN-2011 07:53:20	Twilight	47.500	50	13Alp Ari	2.0070	4250.0	95	48526	No
99	GOM_TRA_1PNPDK20110611_080817_000000523103_00236_48526_2859.N1	11-JUN-2011 08:08:17	Dark	51.500	52	16Bet Cet	2.0370	4500.0	103	48526	No
100	GOM_TRA_1PNPDK20110611_081441_000000473103_00236_48526_2860.N1	11-JUN-2011 08:14:41	Dark	46.500	84	Alp Phe	2.3970	4500.0	93	48526	No
101	GOM_TRA_1PNPDK20110611_082041_000000513103_00237_48527_2861.N1	11-JUN-2011 08:20:41	Dark	50.500	63	Bet Gru	2.1500	2800.0	101	48527	No
102	GOM_TRA_1PNPDK20110611_082243_000000463103_00237_48527_2862.N1	11-JUN-2011 08:22:43	Dark	46.000	31	Alp Gru	1.7340	15200.	92	48527	No
103	GOM_TRA_1PNPDK20110611_082417_000000583103_00237_48527_2863.N1	11-JUN-2011 08:24:17	Straylight	58.000	172	Gam Gru	3.0030	13100.	116	48527	No
104	GOM_TRA_1PNPDK20110611_082653_000000443103_00237_48527_2864.N1	11-JUN-2011 08:26:53	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	48527	No
105	GOM_TRA_1PNPDK20110611_083700_000000443103_00237_48527_2865.N1	11-JUN-2011 08:37:00	Twl_and_stray	43.500	25	35Lam Sco	1.6200	28000.	87	48527	No
106	GOM_TRA_1PNPDK20110611_083839_000000643103_00237_48527_2866.N1	11-JUN-2011 08:38:39	Bright	63.500	57	34Sig Sgr	2.0660	26000.	127	48527	No
107	GOM_TRA_1PNPDK20110611_084344_000000403103_00237_48527_2867.N1	11-JUN-2011 08:43:44	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	48527	No
108	GOM_TRA_1PNPDE20110611_201840_000000443103_00244_48534_4831.N1	11-JUN-2011 20:18:40	Twl_and_stray	43.500	25	35Lam Sco	1.6200	28000.	87	48534	No
109	GOM_TRA_1PNPDE20110611_202020_000000583103_00244_48534_4832.N1	11-JUN-2011 20:20:20	Bright	57.500	57	34Sig Sgr	2.0660	26000.	115	48534	No
110	GOM_TRA_1PNPDE20110611_202522_000000403103_00244_48534_4833.N1	11-JUN-2011 20:25:22	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	48534	No
111	GOM_TRA_1PNPDE20110611_202708_000000393103_00244_48534_4834.N1	11-JUN-2011 20:27:08	Bright	38.500	98	13Zet Oph	2.5710	30000.	77	48534	No
112	GOM_TRA_1PNPDE20110611_203212_000000463103_00244_48534_4835.N1	11-JUN-2011 20:32:12	Bright	46.000	126	60Bet Oph	2.7700	4250.0	92	48534	No
113	GOM_TRA_1PNPDE20110611_203446_000000473103_00244_48534_4836.N1	11-JUN-2011 20:34:46	Bright	47.000	59	55Alp Oph	2.0800	8900.0	94	48534	No
114	GOM_TRA_1PNPDE20110611_203634_000000403103_00244_48534_4837.N1	11-JUN-2011 20:36:34	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	48534	No
115	GOM_TRA_1PNPDE20110611_203940_000000573103_00244_48534_4838.N1	11-JUN-2011 20:39:40	Bright	57.000	133	40Zet Her	2.8070	6000.0	114	48534	No
116	GOM_TRA_1PNPDE20110611_204636_000000433103_00244_48534_4839.N1	11-JUN-2011 20:46:36	Bright	43.000	130	23Bet Dra	2.7990	5800.0	86	48534	No
117	GOM_TRA_1PNPDE20110611_205709_000000463103_00244_48534_4840.N1	11-JUN-2011 20:57:09	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	48534	No
118	GOM_TRA_1PNPDE20110611_210318_000000633103_00244_48534_4841.N1	11-JUN-2011 21:03:18	Bright	63.000	74	11Bet Cas	2.2680	6600.0	126	48534	No
119	GOM_TRA_1PNPDE20110611_210932_000000383103_00244_48534_4842.N1	11-JUN-2011 21:09:32	Bright	38.000	73	57Gam1And	2.2600	13100.	76	48534	No
120	GOM_TRA_1PNPDE20110611_211151_000000513103_00244_48534_4843.N1	11-JUN-2011 21:11:51	Twl_and_stray	51.000	53	43Bet And	2.0480	3300.0	102	48534	No
121	GOM_TRA_1PNPDE20110611_211513_000000483103_00244_48534_4844.N1	11-JUN-2011 21:15:13	Twilight	48.000	50	13Alp Ari	2.0070	4250.0	96	48534	No
122	GOM_TRA_1PNPDE20110611_213016_000000553103_00244_48534_4854.N1	11-JUN-2011 21:30:16	Dark	55.000	52	16Bet Cet	2.0370	4500.0	110	48534	No
123	GOM_TRA_1PNPDE20110611_213639_000000503103_00244_48534_4855.N1	11-JUN-2011 21:36:39	Dark	50.000	84	Alp Phe	2.3970	4500.0	100	48534	No
124	GOM_TRA_1PNPDE20110611_214241_000000513103_00245_48535_4856.N1	11-JUN-2011 21:42:41	Dark	50.500	63	Bet Gru	2.1500	2800.0	101	48535	No
125	GOM_TRA_1PNPDE20110611_214442_000000483103_00245_48535_4857.N1	11-JUN-2011 21:44:42	Dark	48.000	31	Alp Gru	1.7340	15200.	96	48535	No
126	GOM_TRA_1PNPDE20110611_214619_000000573103_00245_48535_4858.N1	11-JUN-2011 21:46:19	Straylight	56.500	172	Gam Gru	3.0030	13100.	113	48535	No
127	GOM_TRA_1PNPDE20110611_214849_000000443103_00245_48535_4859.N1	11-JUN-2011 21:48:49	Straylight	44.000	45	Alp Pav	1.9400	26000.	88	48535	No
128	GOM_TRA_1PNPDE20110611_215854_000000463103_00245_48535_4860.N1	11-JUN-2011 21:58:54	Twl_and_stray	46.000	25	35Lam Sco	1.6200	28000.	92	48535	No
129	GOM_TRA_1PNPDE20110611_220034_000000583103_00245_48535_4861.N1	11-JUN-2011 22:00:34	Bright	58.000	57	34Sig Sgr	2.0660	26000.	116	48535	No
130	GOM_TRA_1PNPDE20110611_220537_000000413103_00245_48535_4862.N1	11-JUN-2011 22:05:37	Bright	40.500	86	35Eta Oph	2.4300	10200.	81	48535	No
131	GOM_TRA_1PNPDE20110611_220721_000000373103_00245_48535_4863.N1	11-JUN-2011 22:07:21	Bright	37.000	98	13Zet Oph	2.5710	30000.	74	48535	No
132	GOM_TRA_1PNPDE20110611_221226_000000473103_00245_48535_4864.N1	11-JUN-2011 22:12:26	Bright	46.500	126	60Bet Oph	2.7700	4250.0	93	48535	No
133	GOM_TRA_1PNPDE20110611_221500_000000483103_00245_48535_4865.N1	11-JUN-2011 22:15:00	Bright	47.500	59	55Alp Oph	2.0800	8900.0	95	48535	No
134	GOM_TRA_1PNPDE20110611_221648_000000403103_00245_48535_4866.N1	11-JUN-2011 22:16:48	Bright	39.500	127	27Bet Her	2.7810	4700.0	79	48535	No
135	GOM_TRA_1PNPDE20110611_221953_000000523103_00245_48535_4867.N1	11-JUN-2011 22:19:53	Bright	51.500	133	40Zet Her	2.8070	6000.0	103	48535	No
136	GOM_TRA_1PNPDE20110611_222650_000000423103_00245_48535_4868.N1	11-JUN-2011 22:26:50	Bright	42.000	130	23Bet Dra	2.7990	5800.0	84	48535	No
137	GOM_TRA_1PNPDE20110611_223723_000000493103_00245_48535_4869.N1	11-JUN-2011 22:37:23	Bright	49.000	89	5Alp Cep	2.4510	8000.0	98	48535	No

138	GOM_TRA_1PNPDE20110611_224331_000000463103_00245_48535_4870.N1	11-JUN-2011 22:43:31	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	48535	No
139	GOM_TRA_1PNPDE20110611_224946_000000373103_00245_48535_4871.N1	11-JUN-2011 22:49:46	Bright	37.000	73	57Gam1And	2.2600	13100.	74	48535	No
140	GOM_TRA_1PNPDE20110611_225205_000000523103_00245_48535_4872.N1	11-JUN-2011 22:52:05	Twilight	51.500	53	43Bet And	2.0480	3300.0	103	48535	No
141	GOM_TRA_1PNPDE20110611_225527_000000483103_00245_48535_4873.N1	11-JUN-2011 22:55:27	Twilight	47.500	50	13Alp Ari	2.0070	4250.0	95	48535	No
142	GOM_TRA_1PNPDE20110611_231031_000000553103_00245_48535_4871.N1	11-JUN-2011 23:10:31	Dark	55.000	52	16Bet Cet	2.0370	4500.0	110	48535	No
143	GOM_TRA_1PNPDE20110611_231653_000000483103_00245_48535_4872.N1	11-JUN-2011 23:16:53	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	48535	No
144	GOM_TRA_1PNPDE20110611_232255_000000663103_00246_48536_4873.N1	11-JUN-2011 23:22:55	Dark	65.500	63	Bet Gru	2.1500	2800.0	131	48536	No
145	GOM_TRA_1PNPDE20110611_232457_000000503103_00246_48536_4874.N1	11-JUN-2011 23:24:57	Dark	49.500	31	Alp Gru	1.7340	15200.	99	48536	No
146	GOM_TRA_1PNPDE20110611_232635_000000593103_00246_48536_4875.N1	11-JUN-2011 23:26:35	Straylight	58.500	172	Gam Gru	3.0030	13100.	117	48536	No
147	GOM_TRA_1PNPDE20110611_232904_000000433103_00246_48536_4876.N1	11-JUN-2011 23:29:04	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	48536	No
148	GOM_TRA_1PNPDE20110611_233908_000000463103_00246_48536_4877.N1	11-JUN-2011 23:39:08	Twilight	46.000	25	35Lam Sco	1.6200	28000.	92	48536	No
149	GOM_TRA_1PNPDE20110611_234049_000000653103_00246_48536_4878.N1	11-JUN-2011 23:40:49	Bright	64.500	57	34Sig Sgr	2.0660	26000.	129	48536	No
150	GOM_TRA_1PNPDE20110611_234551_000000413103_00246_48536_4879.N1	11-JUN-2011 23:45:51	Bright	41.000	86	35Eta Oph	2.4300	10200.	82	48536	No
151	GOM_TRA_1PNPDE20110611_234735_000000373103_00246_48536_4880.N1	11-JUN-2011 23:47:35	Bright	37.000	98	13Zet Oph	2.5710	30000.	74	48536	No
152	GOM_TRA_1PNPDE20110611_235239_000000463103_00246_48536_4881.N1	11-JUN-2011 23:52:39	Bright	45.500	126	60Bet Oph	2.7700	4250.0	91	48536	No
153	GOM_TRA_1PNPDE20110611_235513_000000463103_00246_48536_4882.N1	11-JUN-2011 23:55:13	Bright	45.500	59	55Alp Oph	2.0800	8900.0	91	48536	No
154	GOM_TRA_1PNPDE20110611_235701_000000403103_00246_48536_4883.N1	11-JUN-2011 23:57:01	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	48536	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).

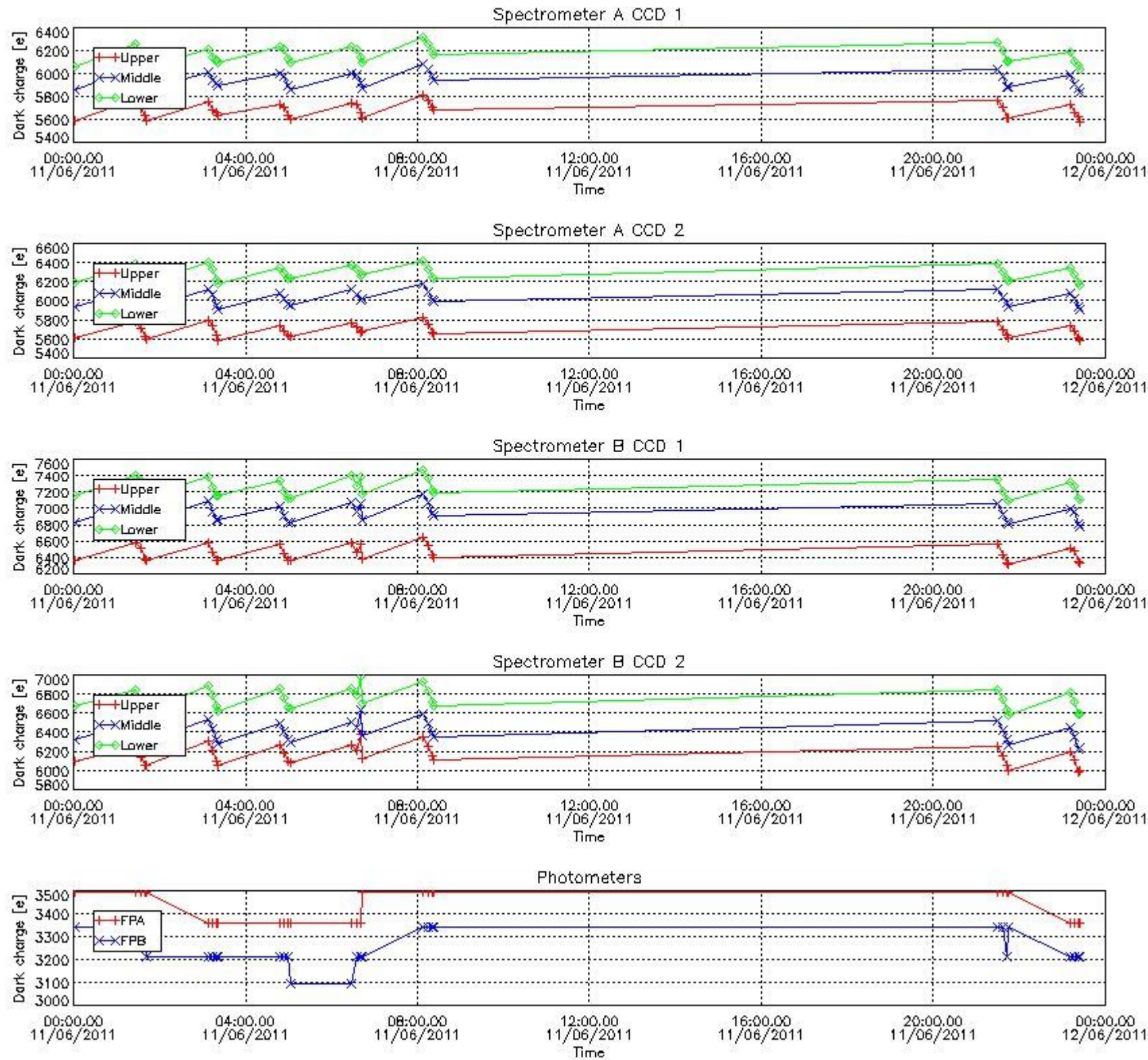
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20110611_201840_000000443103_00244_48534_4831.N1	DC map used
GOM_TRA_1PNPDE20110611_202020_000000583103_00244_48534_4832.N1	DC map used
GOM_TRA_1PNPDE20110611_202522_000000403103_00244_48534_4833.N1	DC map used
GOM_TRA_1PNPDE20110611_202708_000000393103_00244_48534_4834.N1	DC map used
GOM_TRA_1PNPDE20110611_203212_000000463103_00244_48534_4835.N1	DC map used
GOM_TRA_1PNPDE20110611_203446_000000473103_00244_48534_4836.N1	DC map used
GOM_TRA_1PNPDE20110611_203634_000000403103_00244_48534_4837.N1	DC map used
GOM_TRA_1PNPDE20110611_203940_000000573103_00244_48534_4838.N1	DC map used
GOM_TRA_1PNPDE20110611_204636_000000433103_00244_48534_4839.N1	DC map used
GOM_TRA_1PNPDE20110611_205709_000000463103_00244_48534_4840.N1	DC map used
GOM_TRA_1PNPDE20110611_210318_000000633103_00244_48534_4841.N1	DC map used
GOM_TRA_1PNPDE20110611_210932_000000383103_00244_48534_4842.N1	DC map used
GOM_TRA_1PNPDE20110611_211151_000000513103_00244_48534_4843.N1	DC map used
GOM_TRA_1PNPDE20110611_211513_000000483103_00244_48534_4844.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

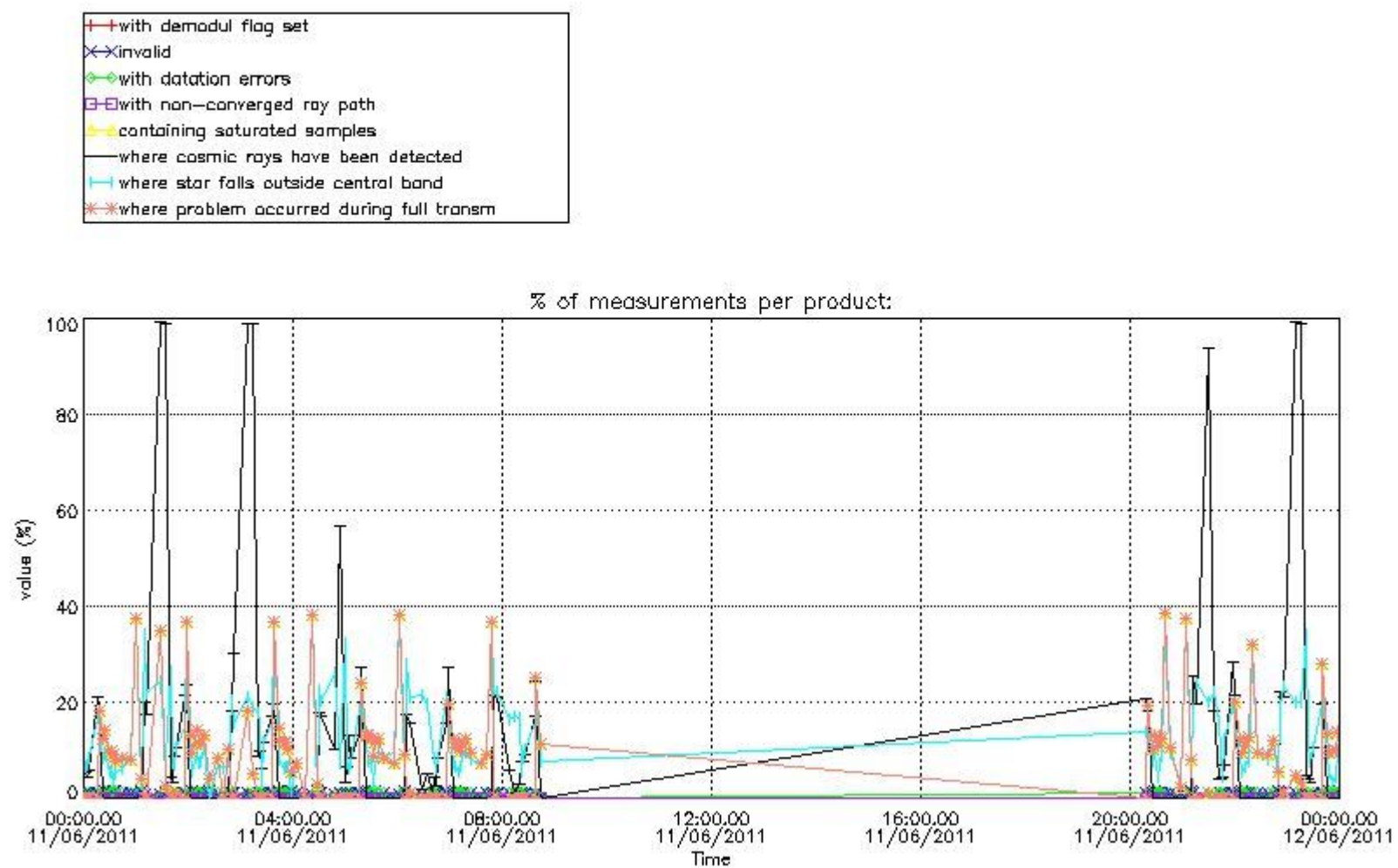
In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

### 5.1 Percentage of products during reporting period with:

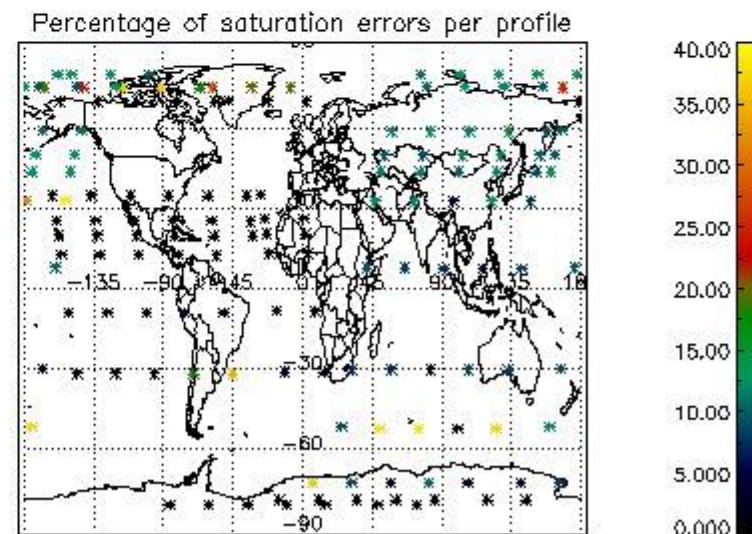
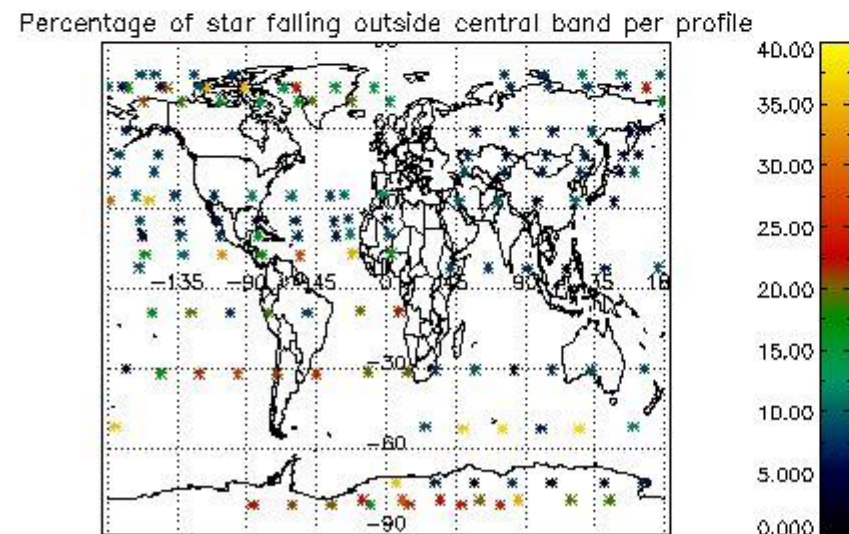
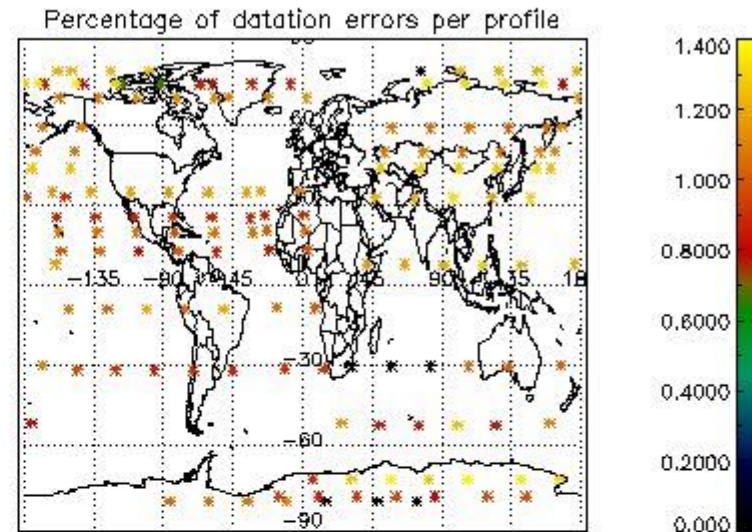
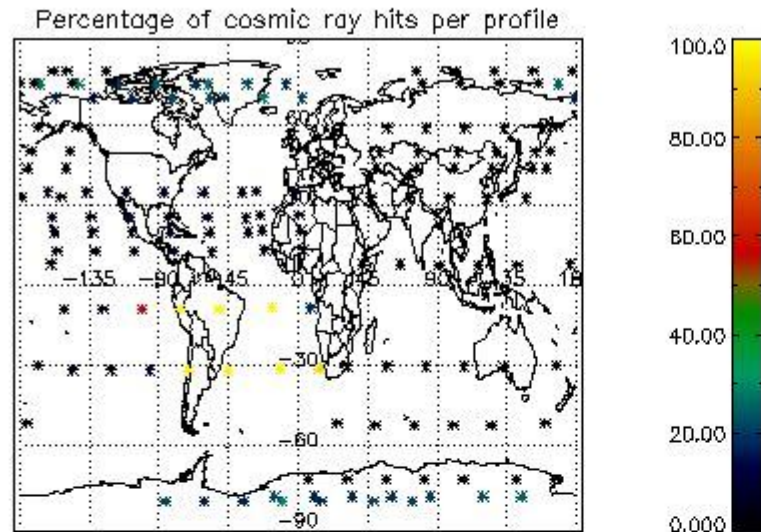


At least one measurement with demodulation flag set:	43.1373 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	55.5556 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



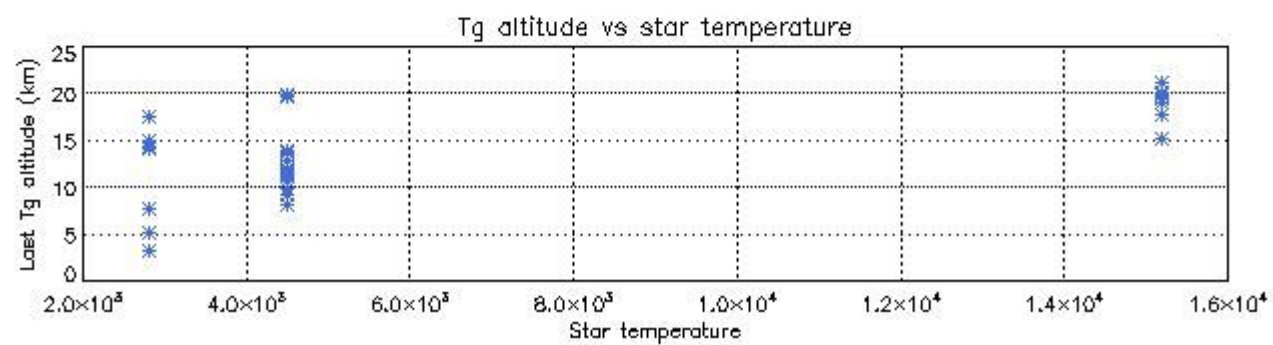
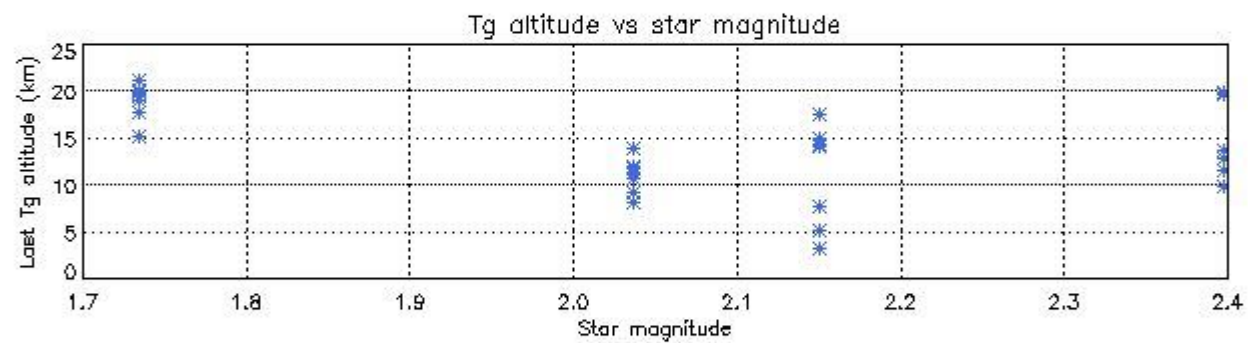
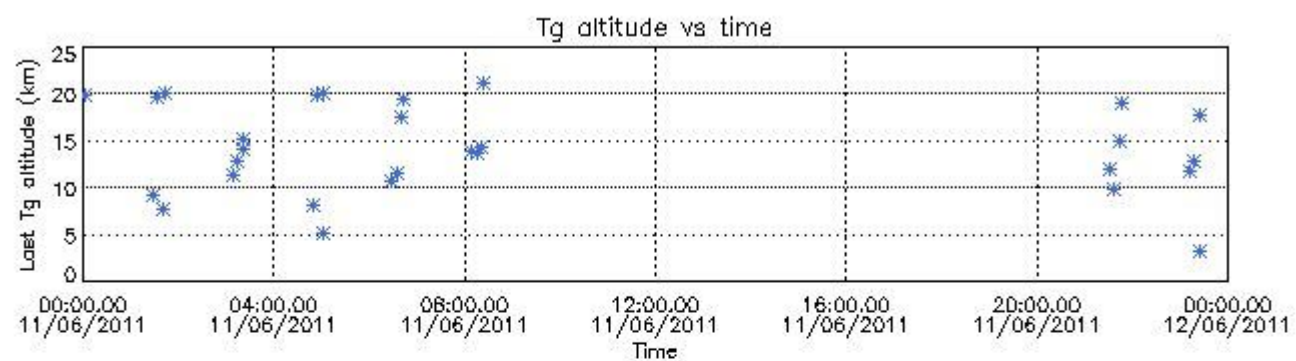
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.019	18.278	10.795
St. deviation:	4.8679	5.8365	1.0803
Maximum:	21.050	32.490	13.026
Minimum:	3.1607	3.5698	9.7858
Number of data:	29.000	85.000	7.0000

### 6.2 Plot for DARK limb products

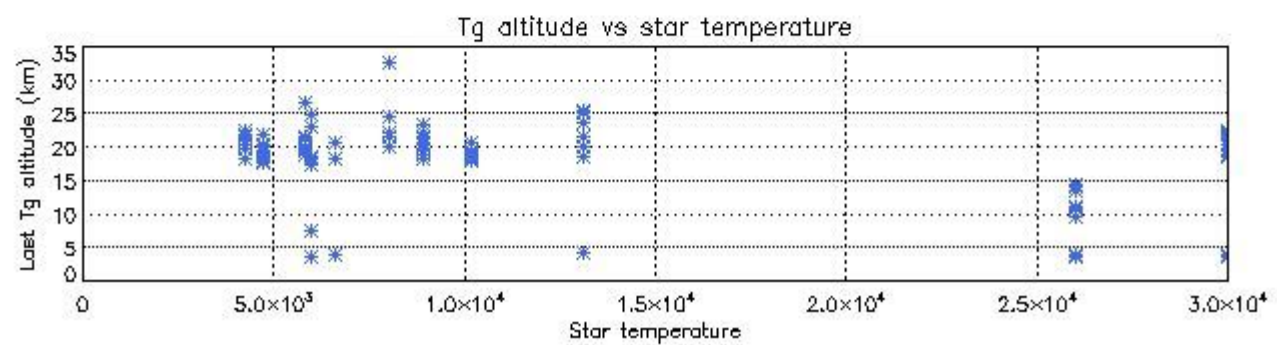
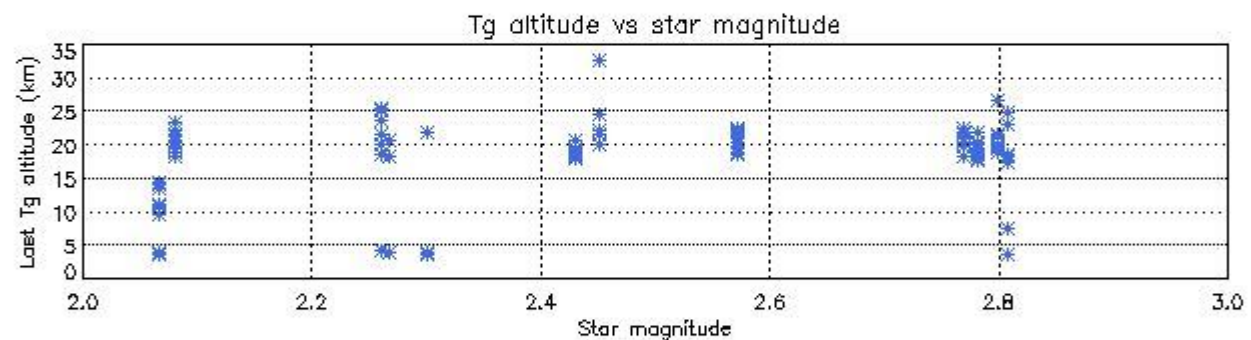
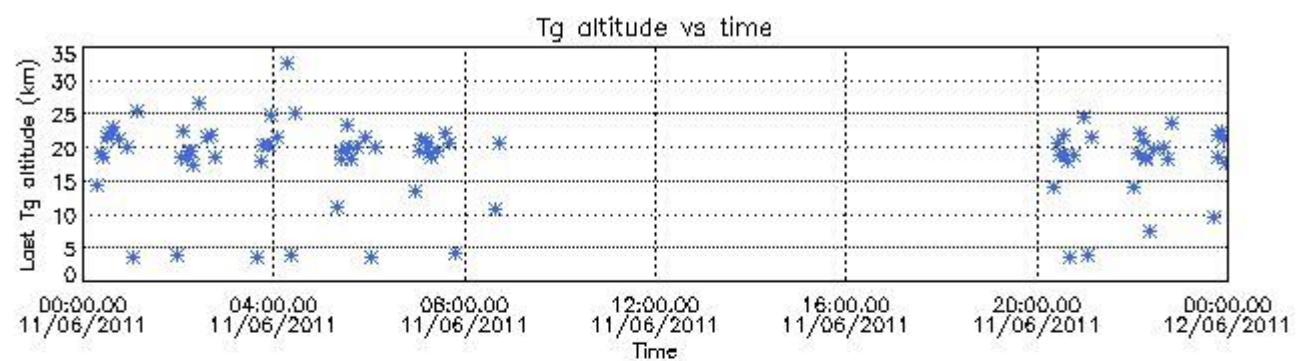
Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

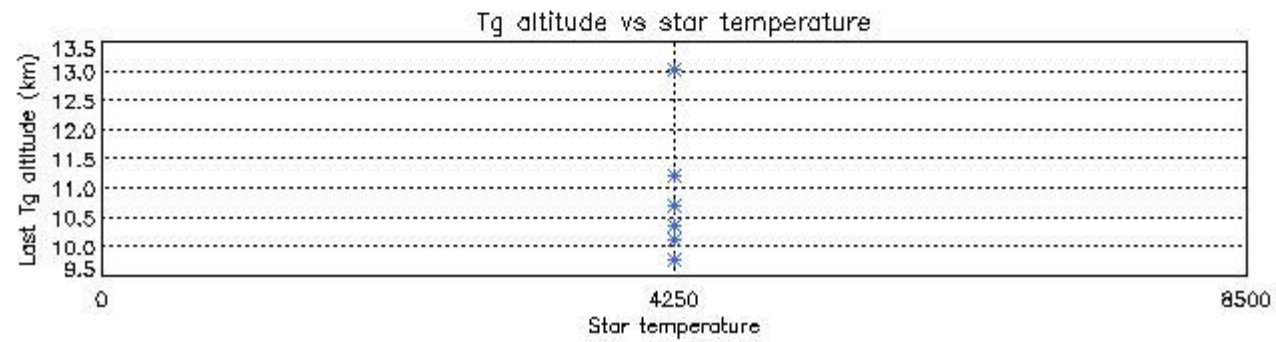
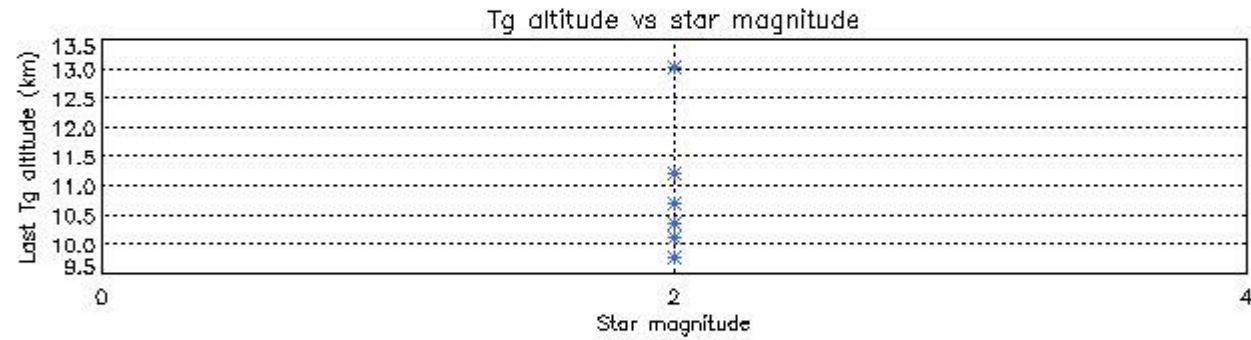
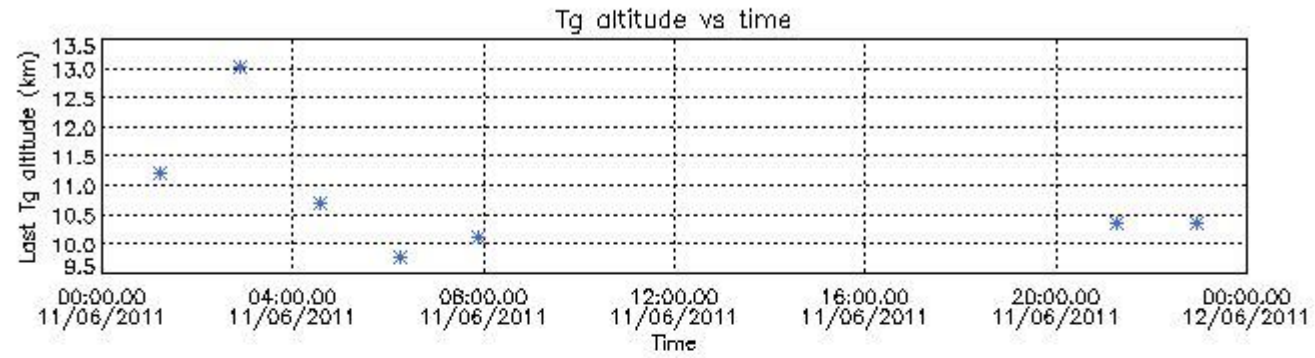


Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

## Tangent altitude at which the star is lost

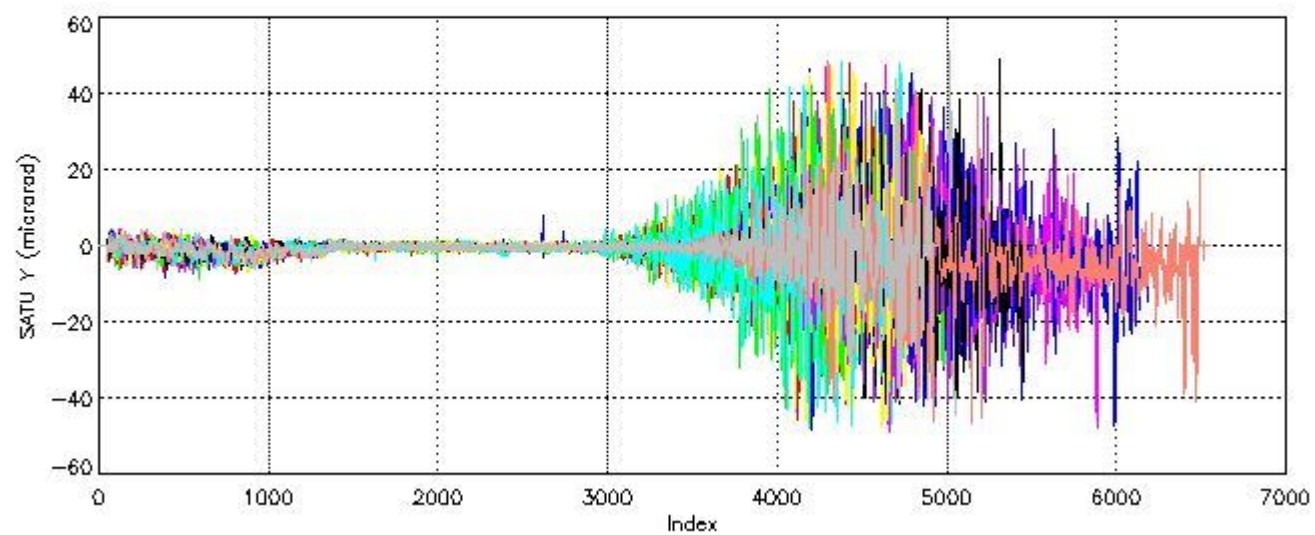
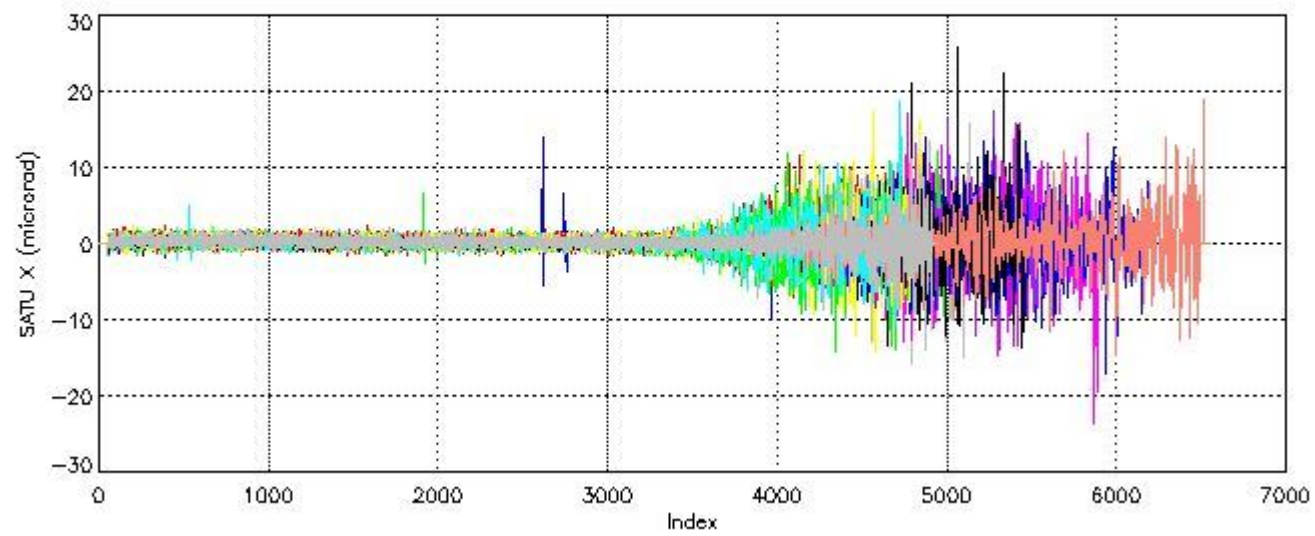


## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.24880	-1.2639	0.27180	-1.3174
St. deviation:	0.35515	1.5232	0.79368	1.6285
Maximum:	5.1000	4.3000	4.8000	5.9000
Minimum:	-2.2000	-9.0000	-3.9000	-10.000



Number of data:	31650.	31650.	86800.	86800.
90Percentile:	0.70000	0.60000	1.3000	0.60000

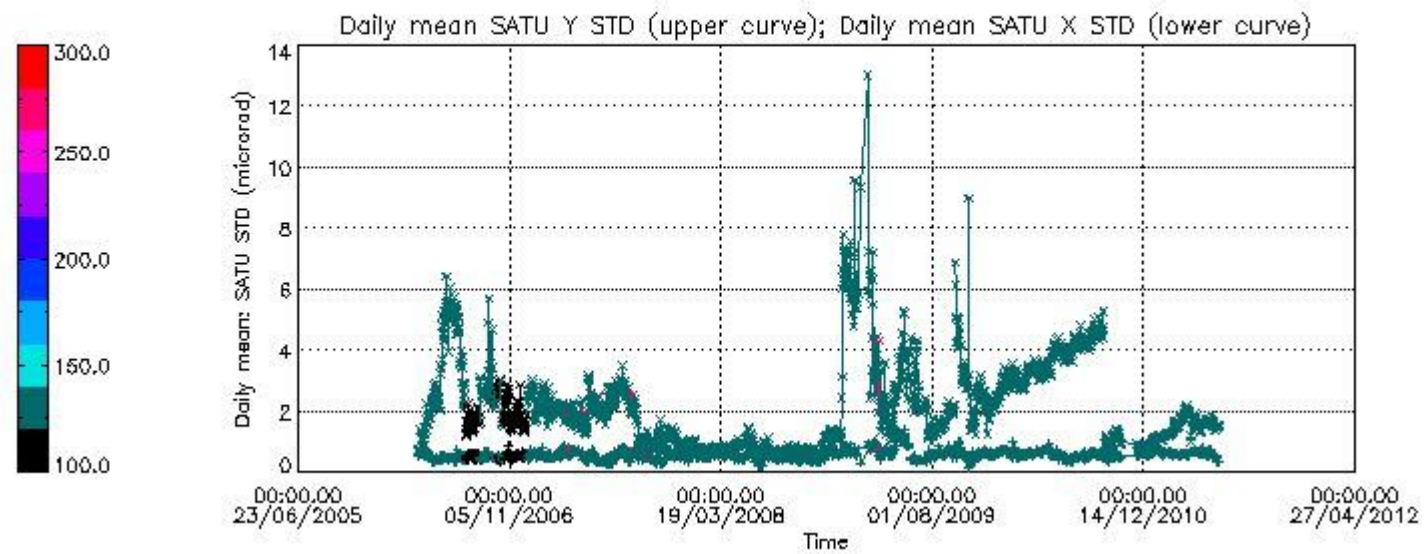
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

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.

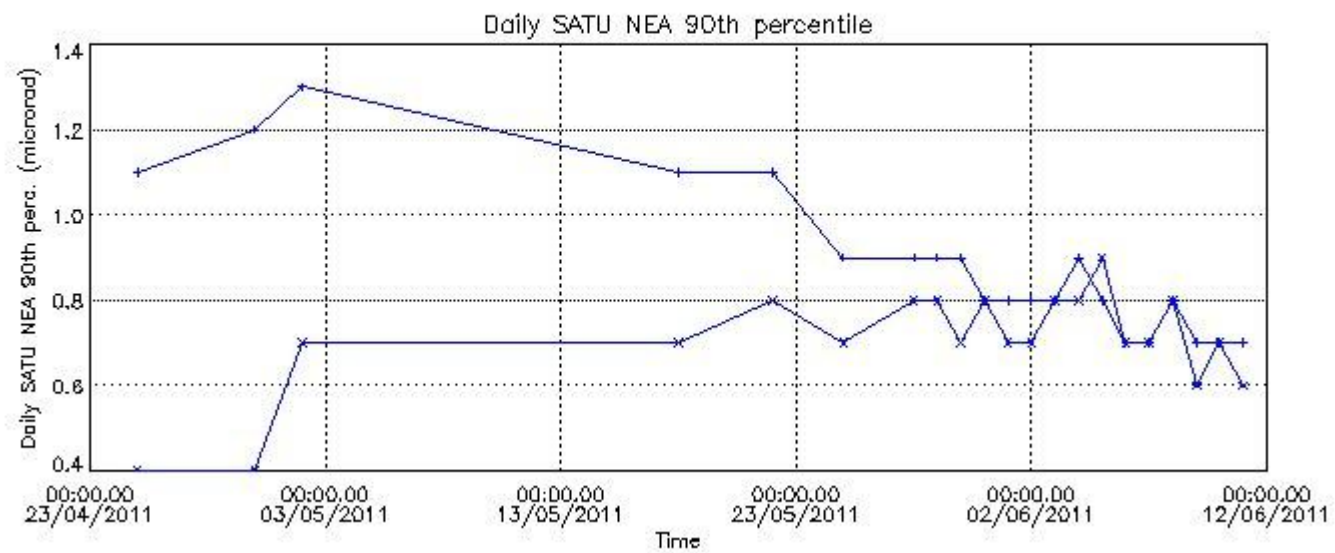
Upper curve: STD of SATU Y axis

Lower curve: STD of SATU X axis



Lower curve: 90th percentile of SATU Y axis

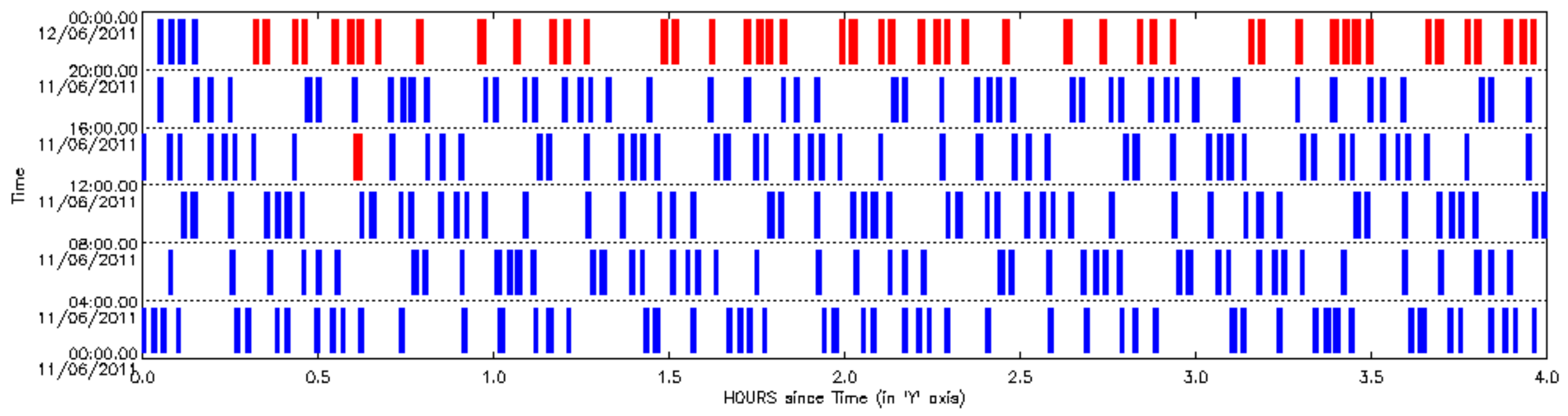
Upper curve: 90th percentile of SATU X axis



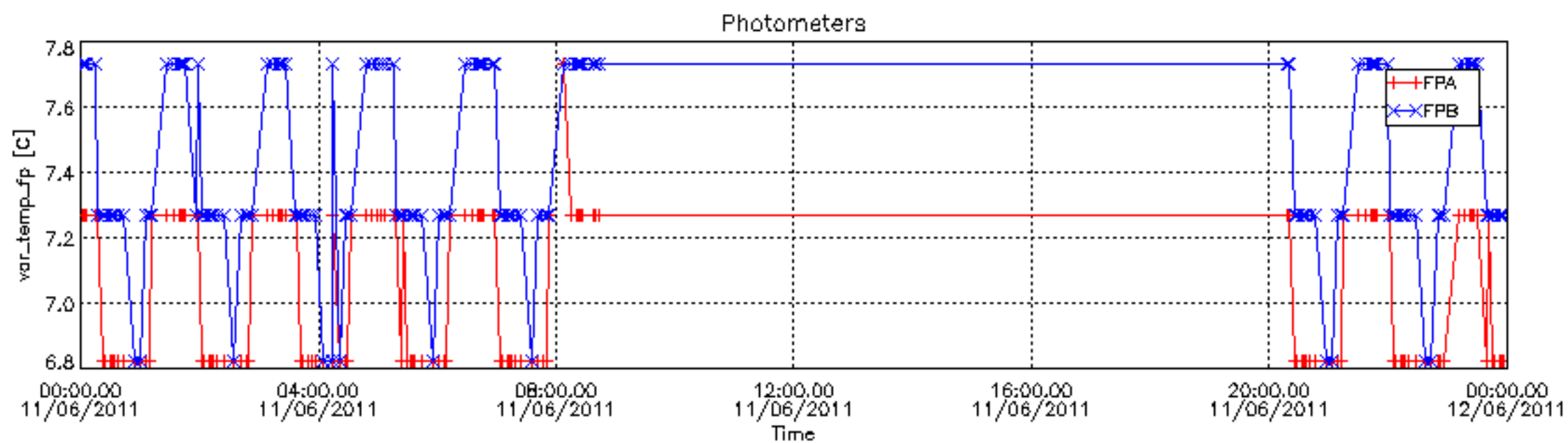
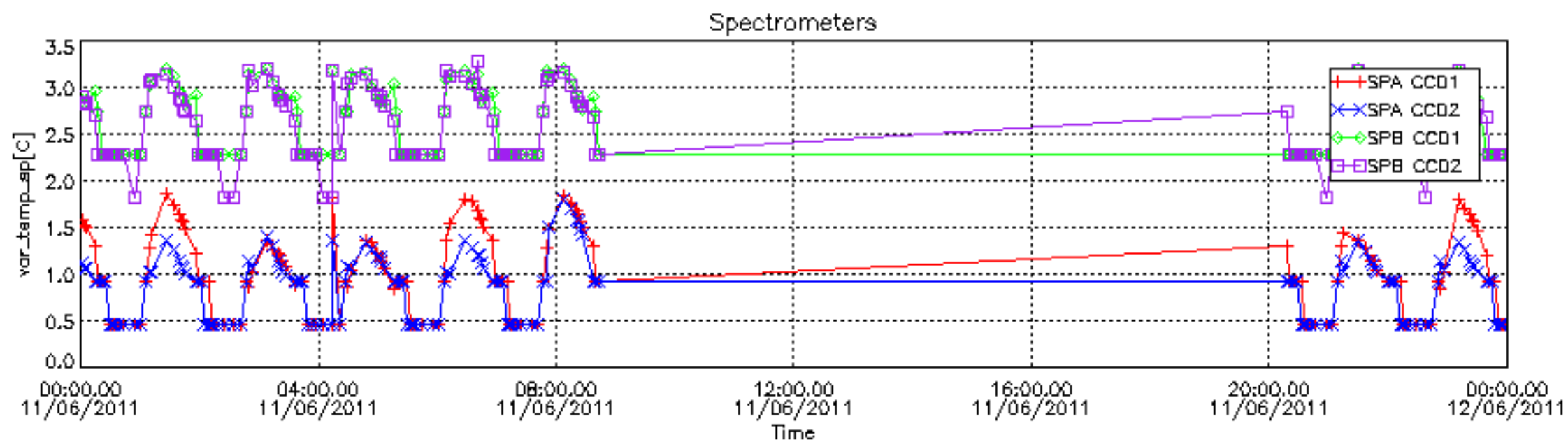
### 8. Auxiliary Data Files used for the production reported in section 2.4

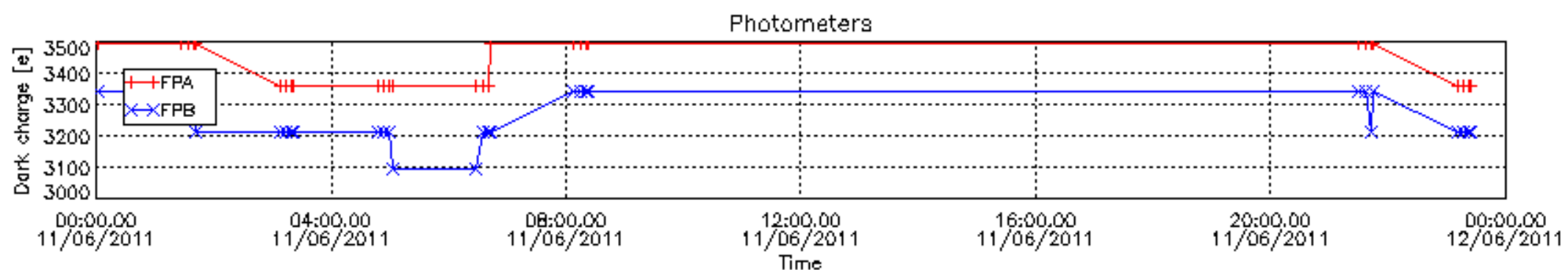
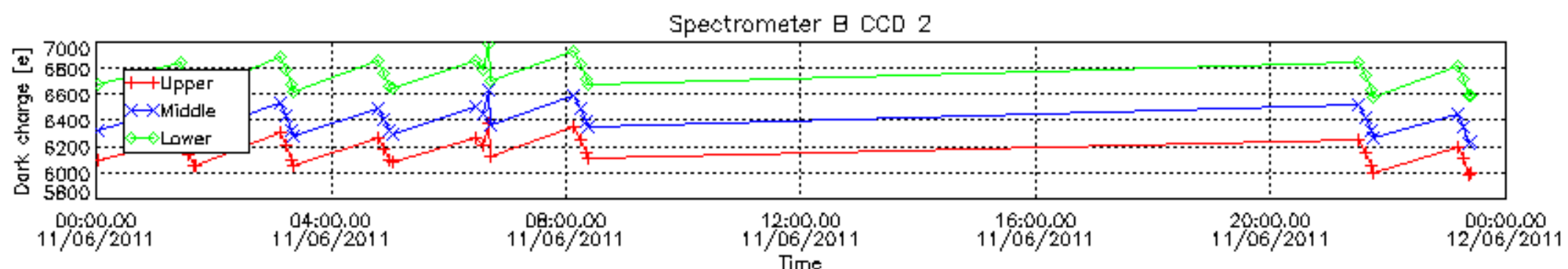
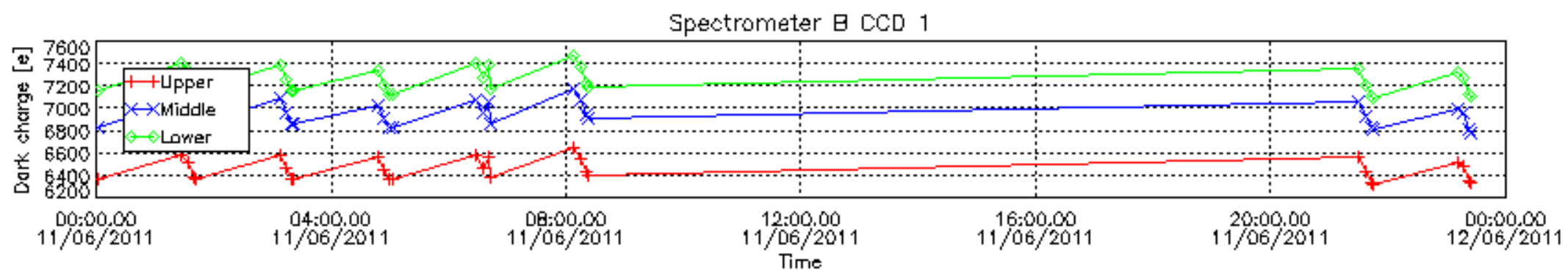
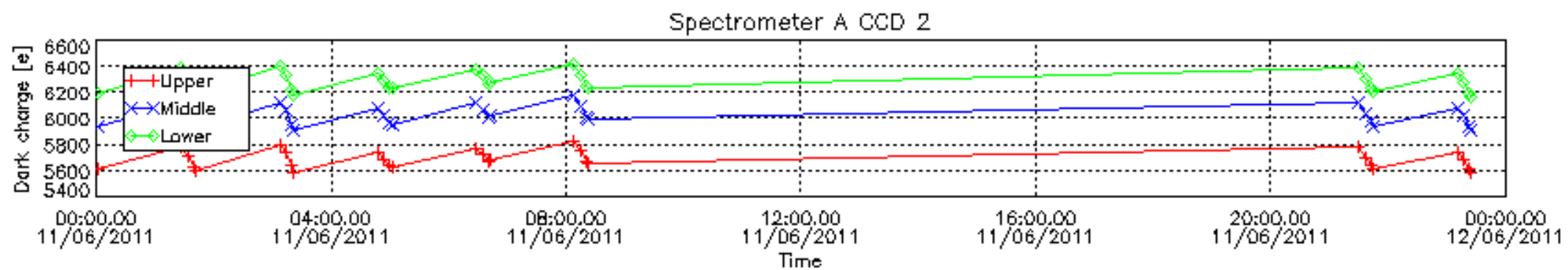
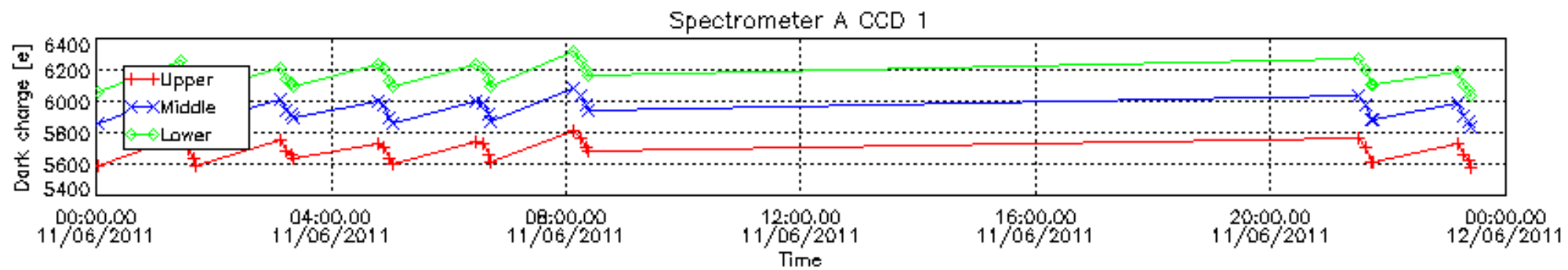
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

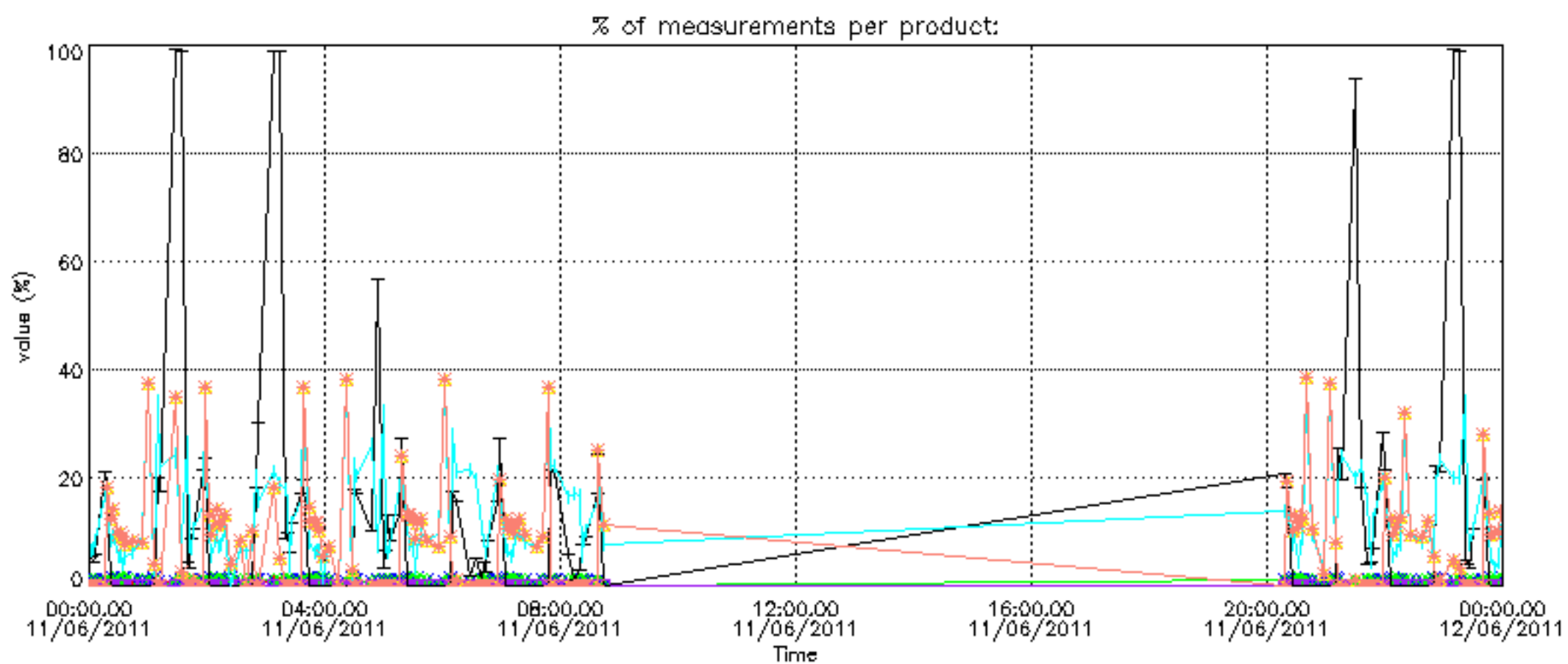
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CALIBRATION_DATABASE	GOM_CAL_AXNIEC20110606_150230_20110607_000000_20500101_000000	1	11-JUN-2011 00:01:28
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20110513_081743_20020301_000000_20500101_000000	1	11-JUN-2011 00:01:28
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	11-JUN-2011 00:01:28
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	11-JUN-2011 00:01:28
ECMWF_FILE	AUX_ECF_AXNECM20110610_062116_20110610_210000_20110611_090000	1	11-JUN-2011 00:01:28
ECMWF_FILE	AUX_ECF_AXNECM20110610_182115_20110611_030000_20110611_150000	54	11-JUN-2011 04:14:56
ECMWF_FILE	AUX_ECA_AXNECM20110611_062553_20110610_210000_20110611_090000	75	11-JUN-2011 06:01:27
ECMWF_FILE	AUX_ECF_AXNECM20110611_062554_20110611_150000_20110612_030000	108	11-JUN-2011 20:18:40
ECMWF_FILE	AUX_ECF_AXNECM20110611_062555_20110611_210000_20110612_090000	122	11-JUN-2011 21:30:16
OPTIONAL_ECMWF_FILE	MISSING	1	11-JUN-2011 00:01:28
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110610_102113_20110609_193200_20110619_200533	1	11-JUN-2011 00:01:28
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110609_103102_20110608_182830_20110618_204217	95	11-JUN-2011 07:41:28
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110611_102553_20110610_185516_20110620_210902	108	11-JUN-2011 20:18:40





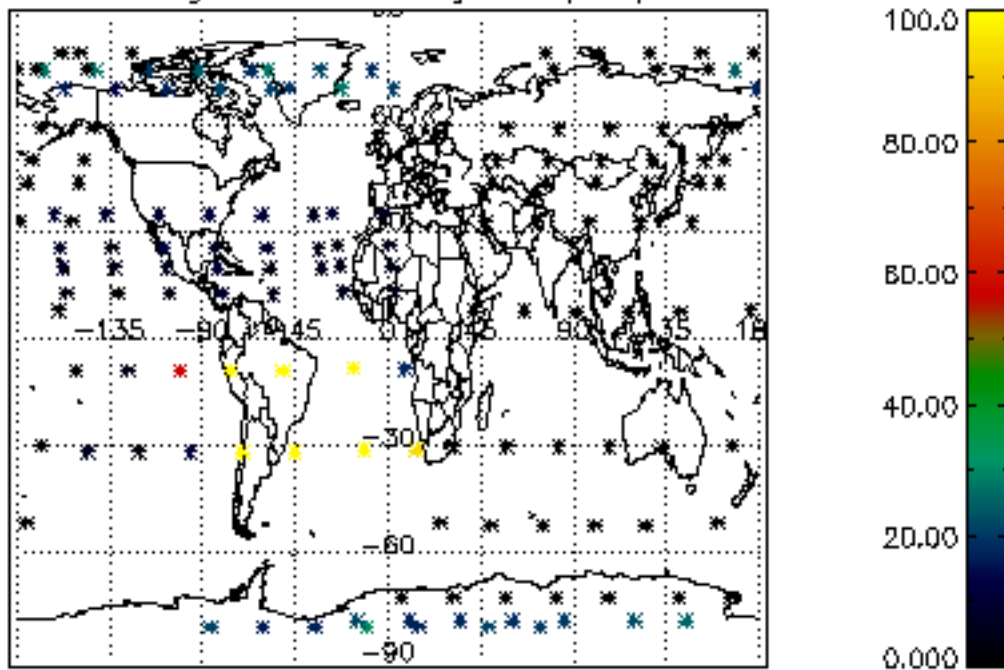




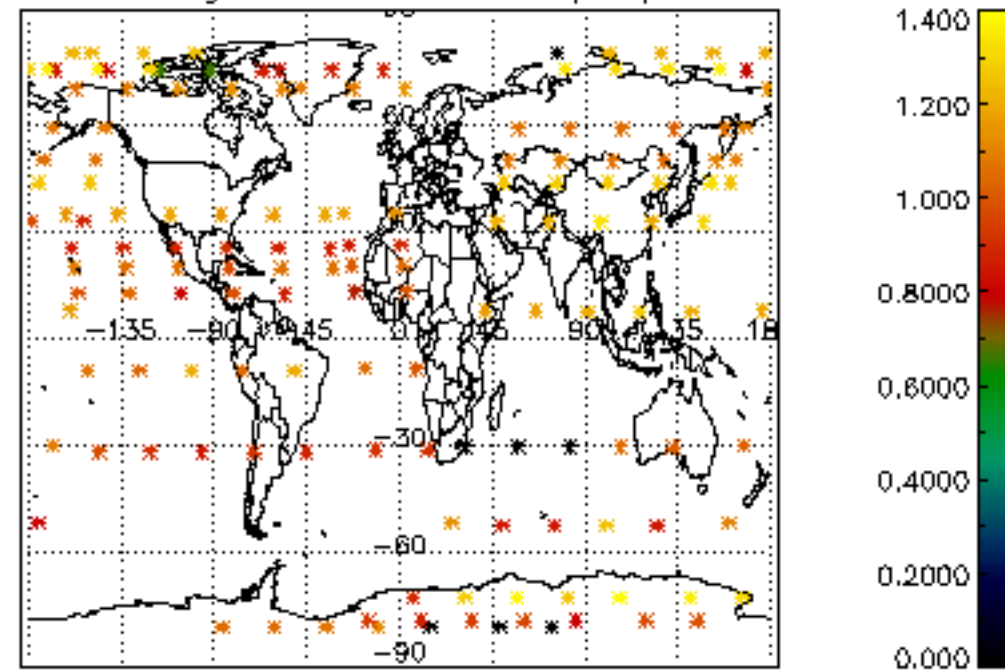




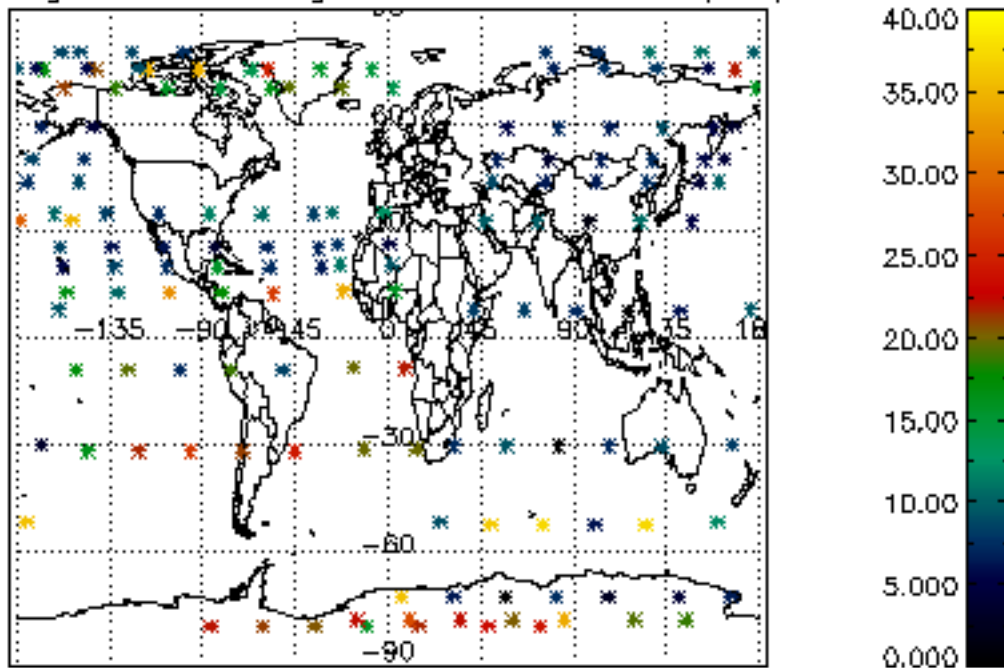
Percentage of cosmic ray hits per profile



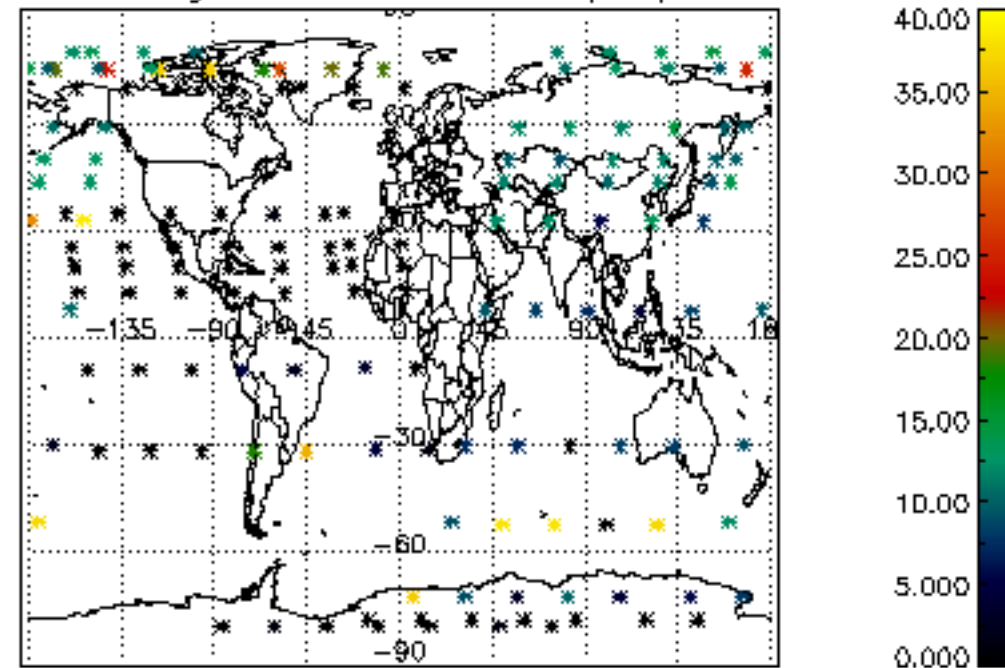
Percentage of datation errors per profile



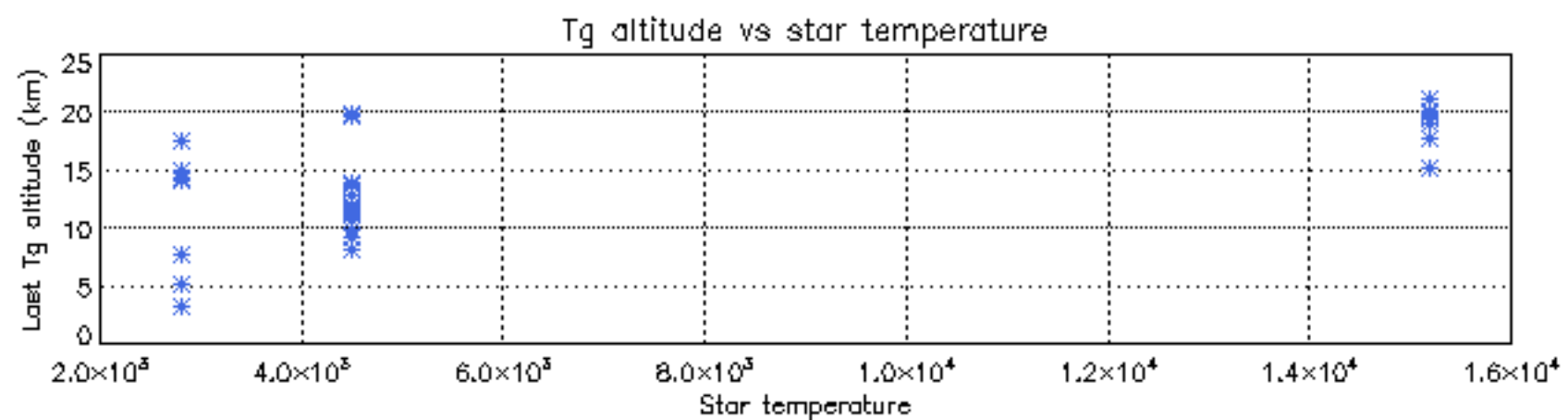
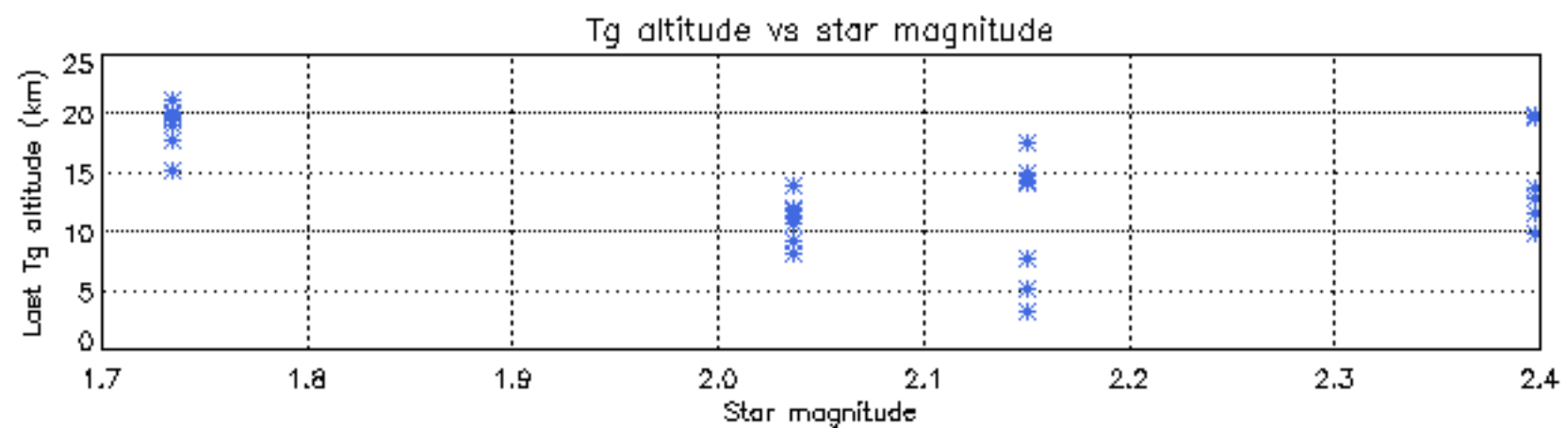
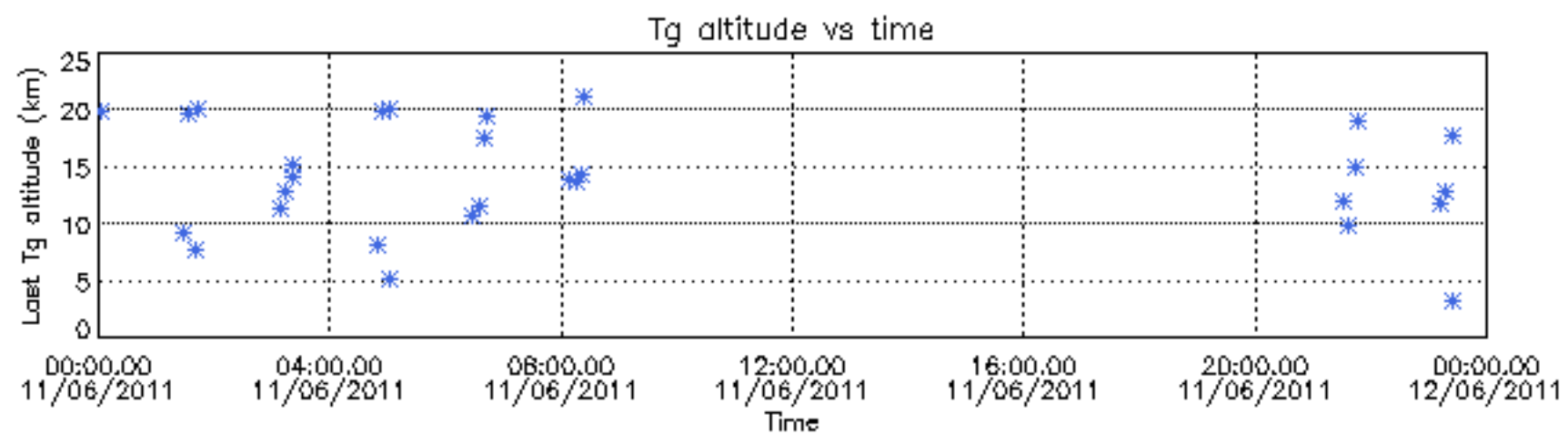
Percentage of star falling outside central band per profile



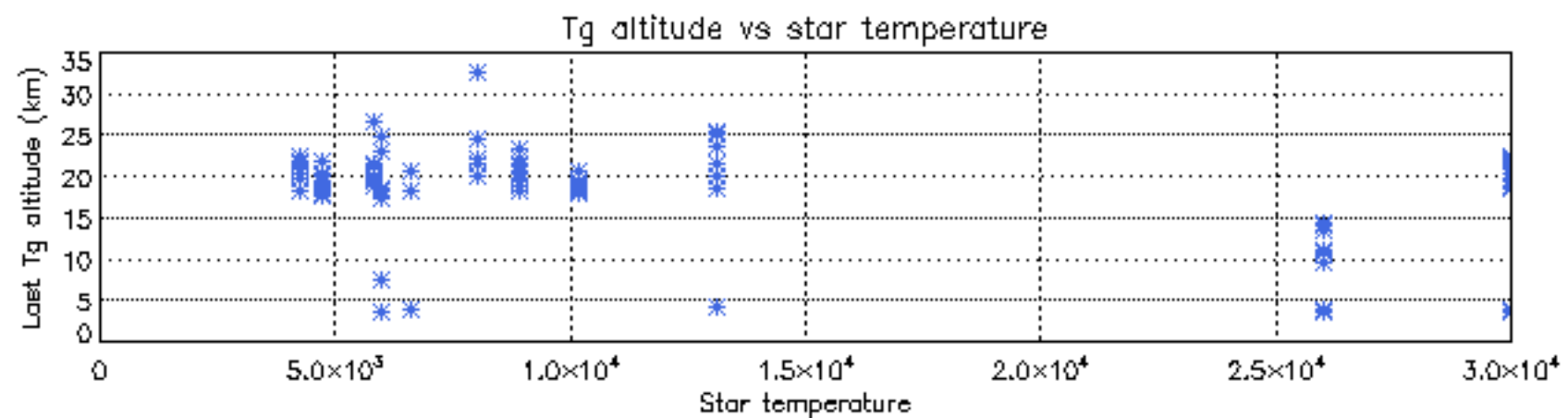
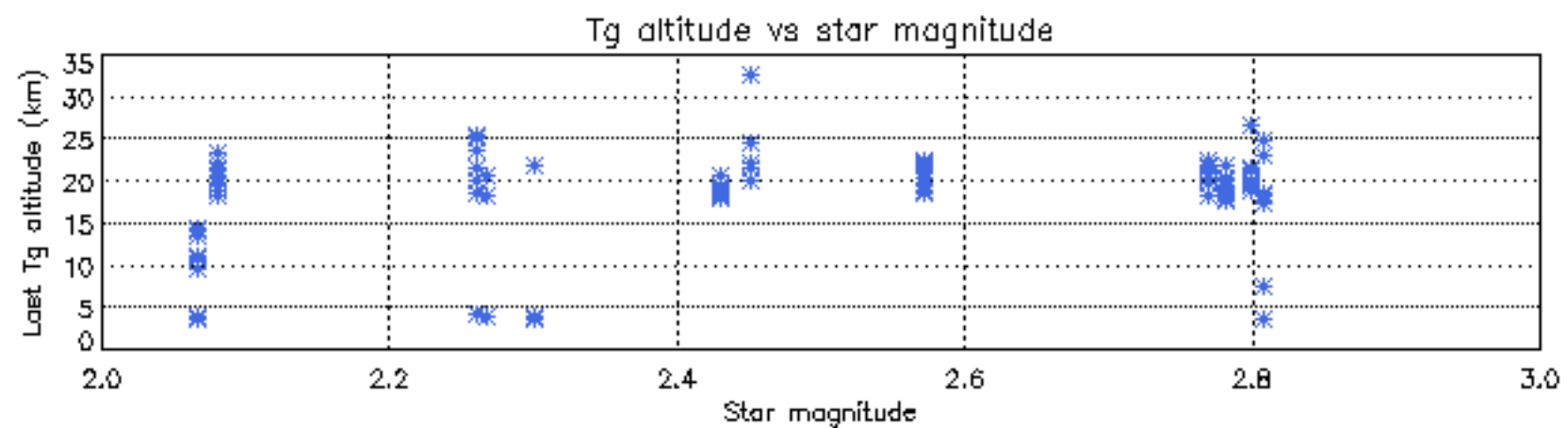
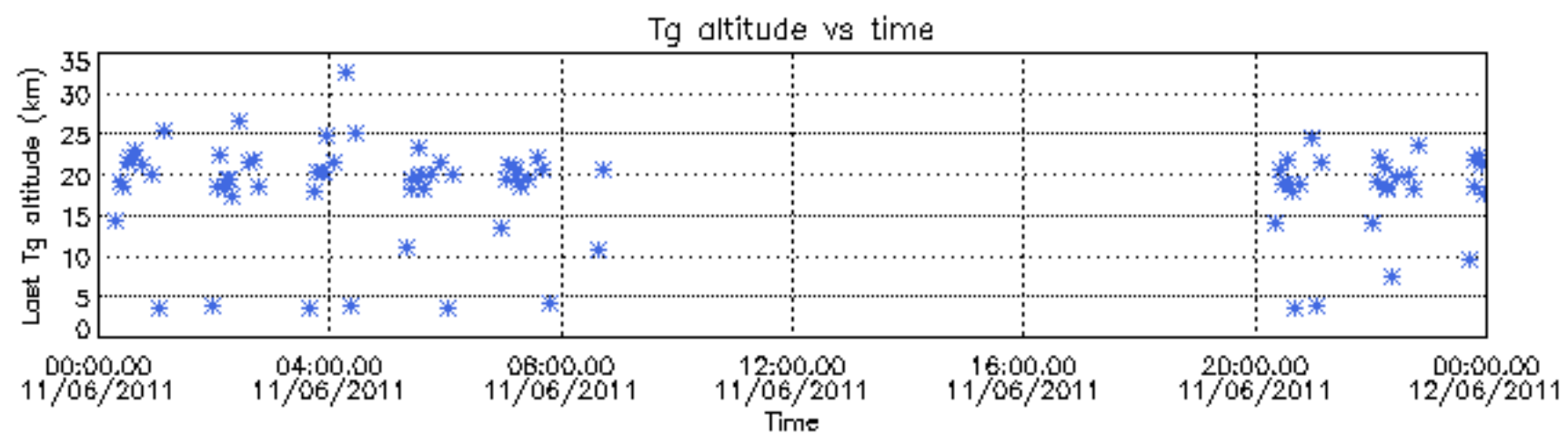
Percentage of saturation errors per profile



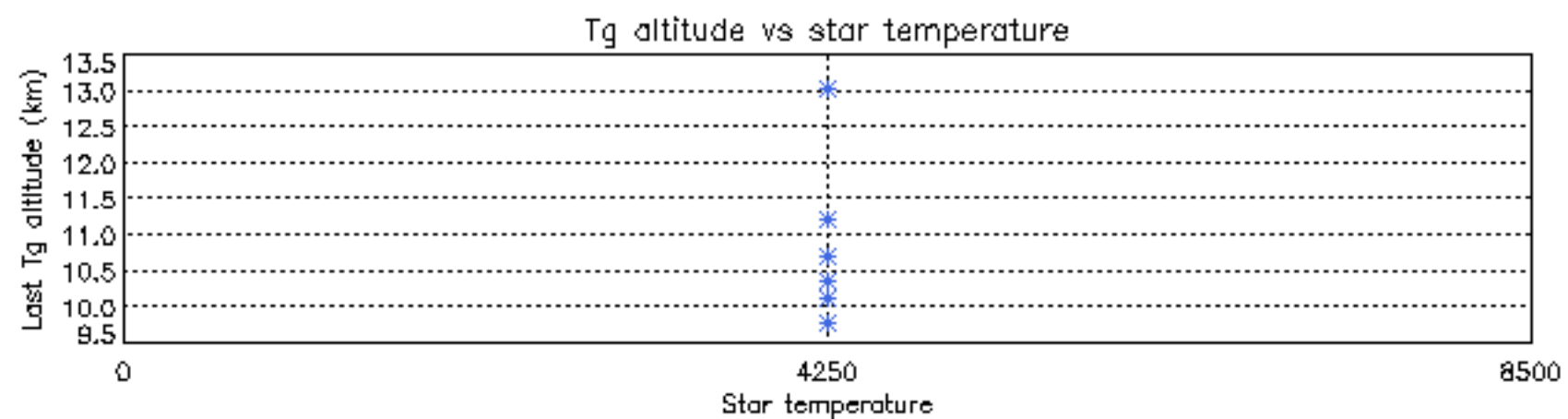
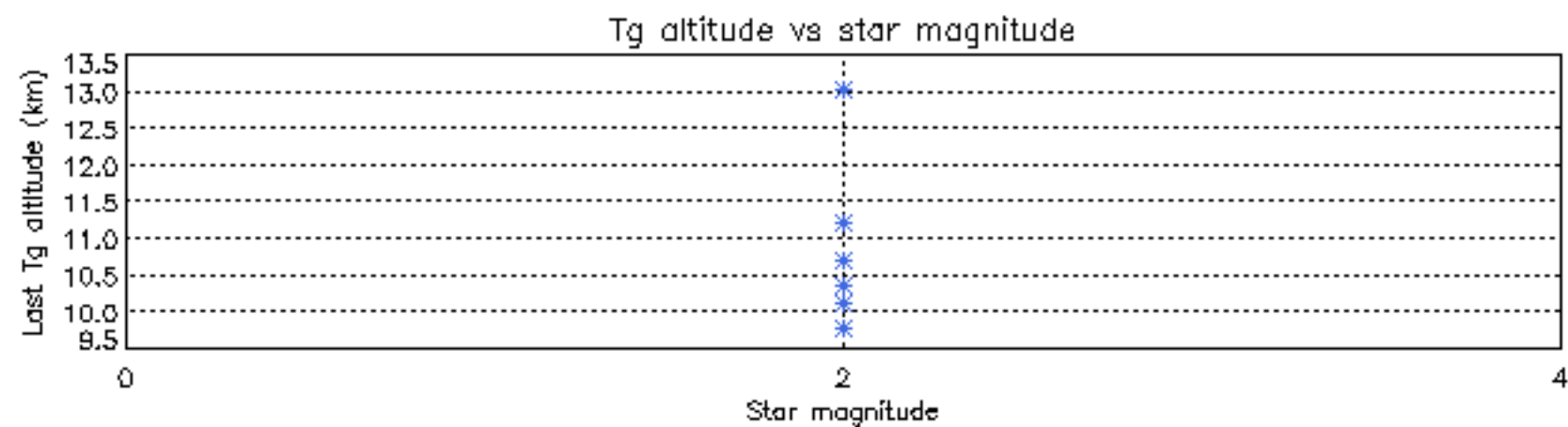
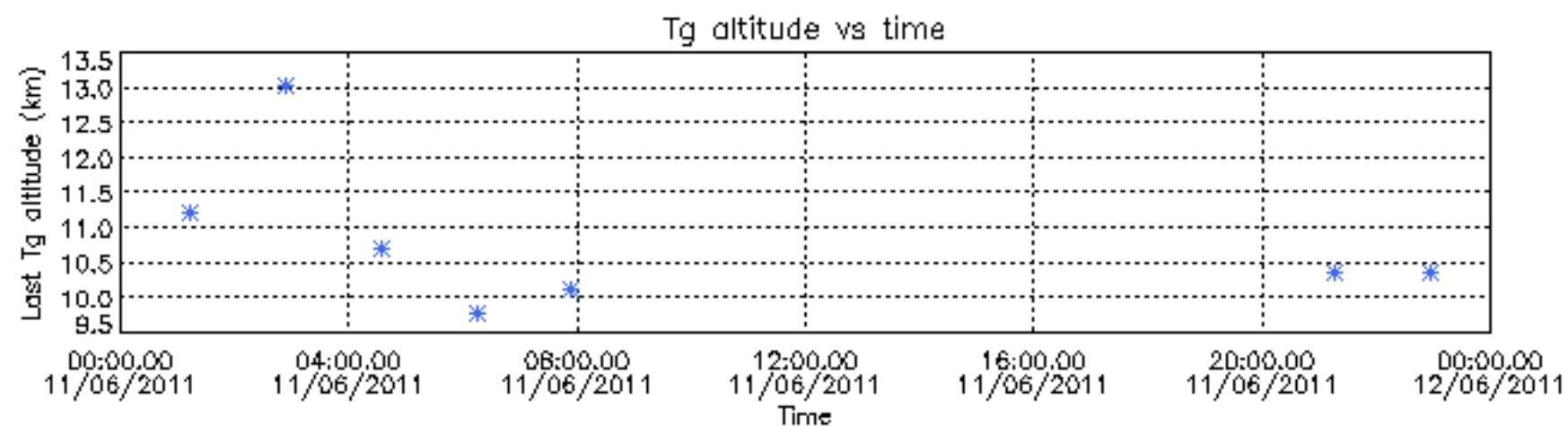
Tangent altitude at which the star is lost



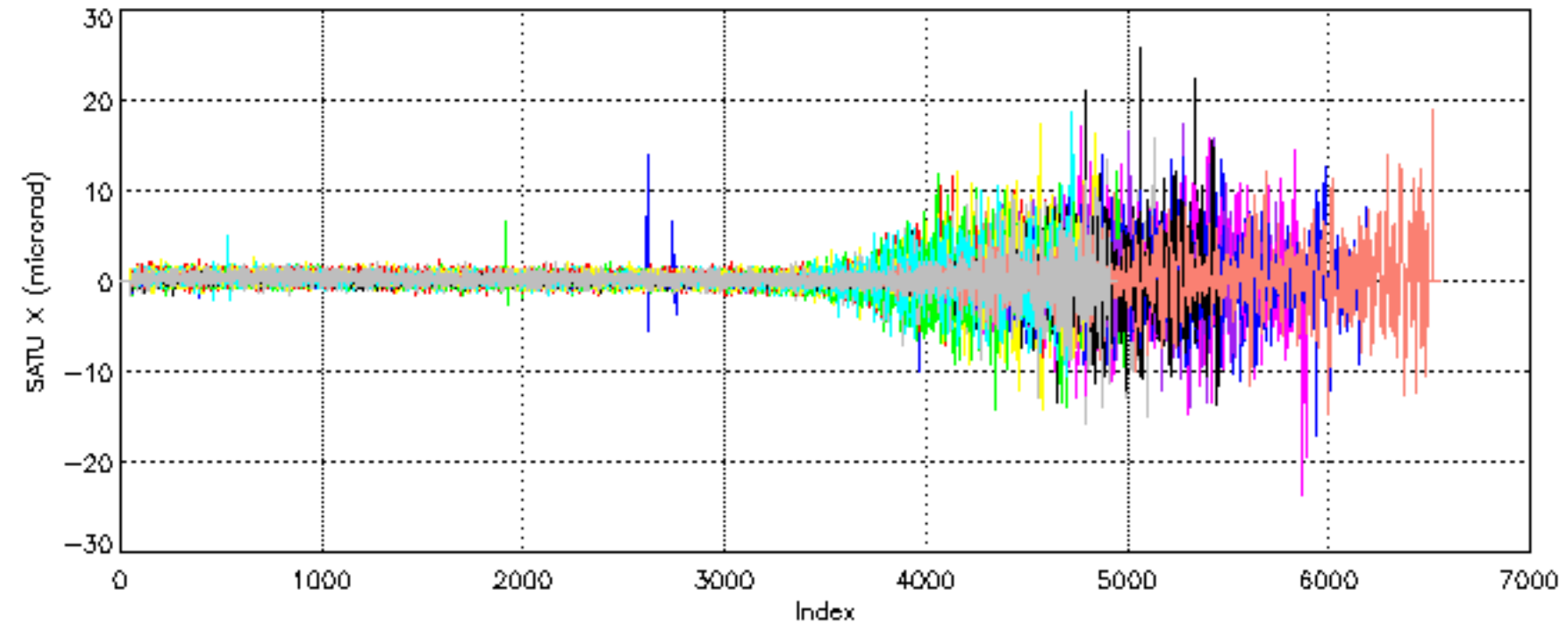
Tangent altitude at which the star is lost

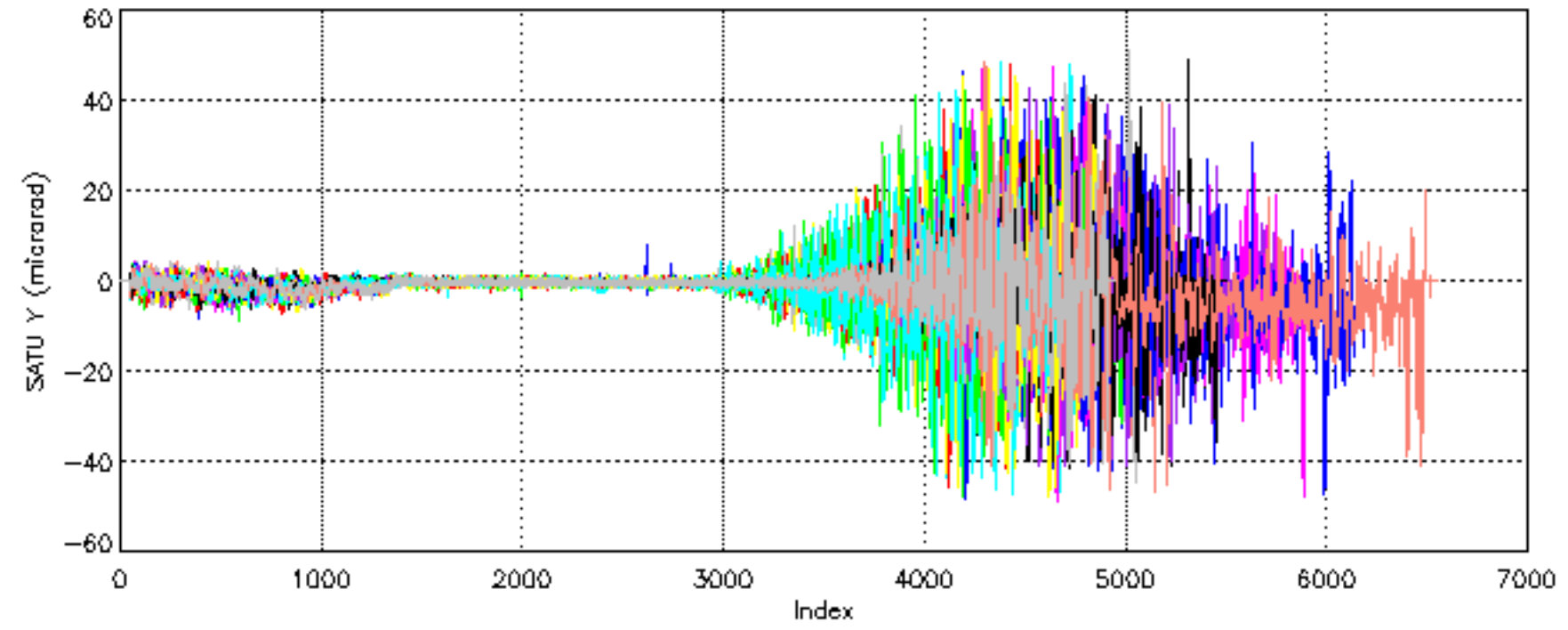


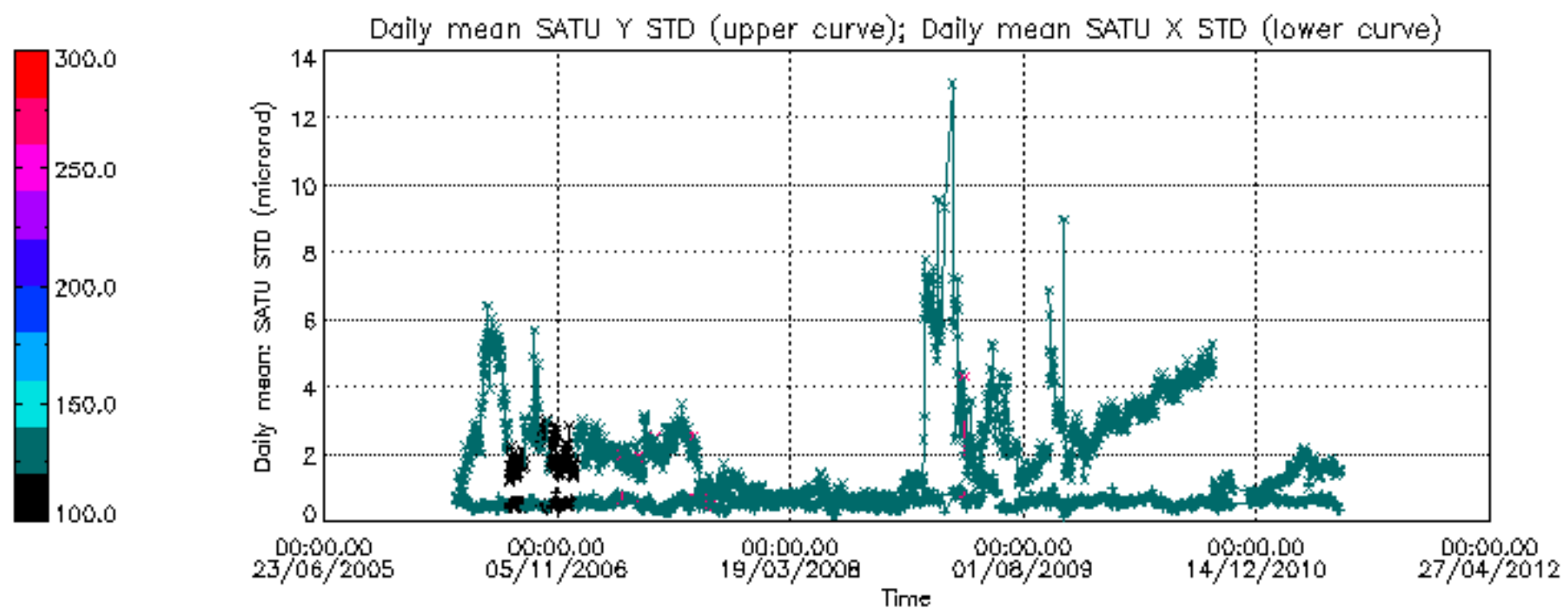
Tangent altitude at which the star is lost

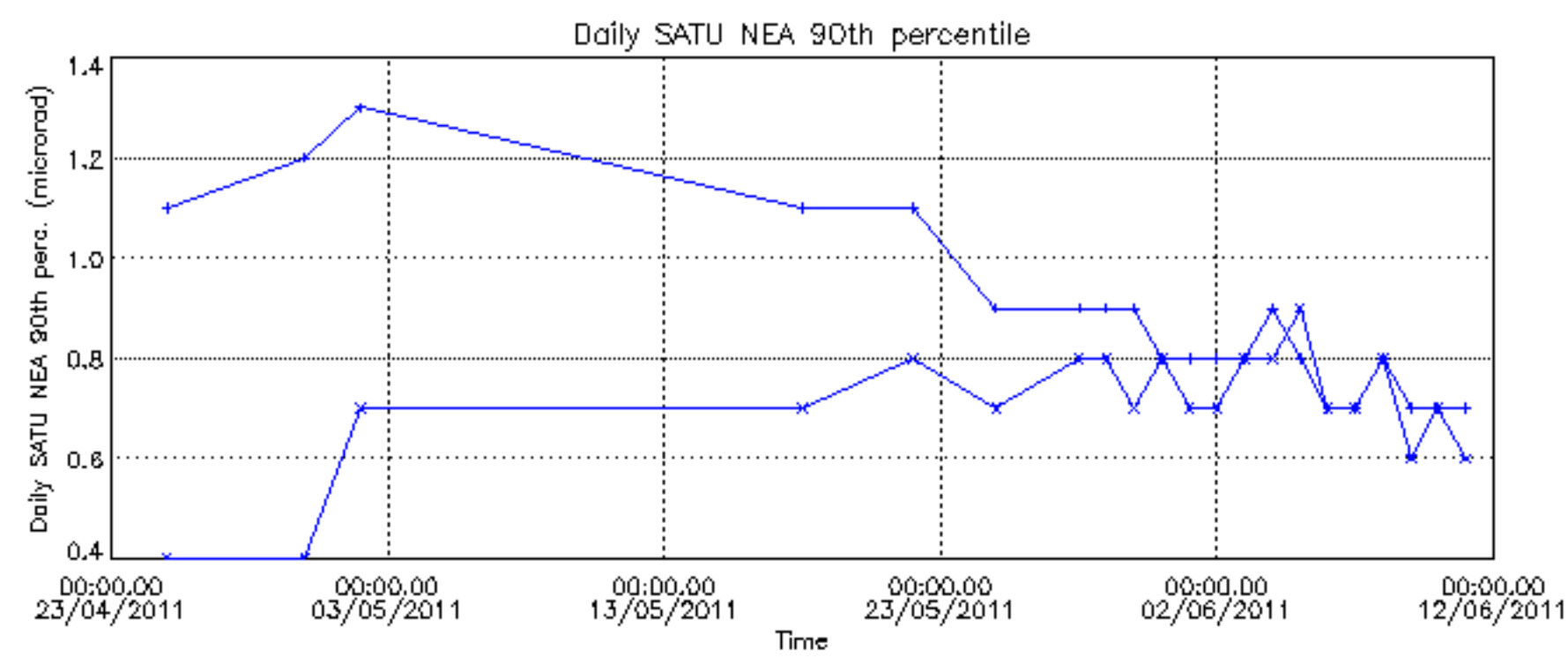














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7; 496.8; 01-JUN-2011 22:53:56; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;48392  
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4; 265.6; 15-JUN-2011 02:34:08; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48581  
5; 388.4; 15-JUN-2011 02:36:11; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;48581



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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
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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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3; -1766.0; 15-JUN-2011 03:40:30; Bright; 41.0; 73; 57Gam1And ; 2.26; 13100;occ; 82; 0;48581
4; -1626.0; 15-JUN-2011 03:42:50; Dark ; 58.0; 53; 43Bet And ; 2.05; 3300;occ; 116; 0;48581
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6; -578.2; 15-JUN-2011 04:00:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48581
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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
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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
14; 1285.5; 15-JUN-2011 04:31:22; Dark ; 49.5; 116; 19Del Sgr ; 2.70; 4100;occ; 99; 0;48582
15; 1602.9; 15-JUN-2011 04:36:39; Bright; 39.0; 86; 35Eta Oph ; 2.43; 10200;occ; 78; 0;48582
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
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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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4; 1991.9; 15-JUN-2011 21:25:28; Bright; 43.0; 126; 60Bet Oph ; 2.77; 4250;occ; 86; 0;48592
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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
8; 2847.4; 15-JUN-2011 21:39:44; Bright; 42.0; 130; 23Bet Dra ; 2.80; 5800;occ; 84; 0;48592
9; 3464.8; 15-JUN-2011 21:50:01; Bright; 48.0; 89; 5Alp Cep ; 2.45; 8000;occ; 96; 0;48592
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9; 1288.9; 15-JUN-2011 22:53:59; Dark ; 50.5; 116; 19Del Sgr ; 2.70; 4100;occ; 101; 0;48593
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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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21; 7300.4; 15-JUN-2011 09:32:05; Dark ; 52.5; 116; 19Del Sgr ; 2.70; 4100;occ; 105; 0;48585
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 5; 498.3; 22-JUN-2011 23:24:21; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;48694
 6; 683.6; 22-JUN-2011 23:27:27; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;48694
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19; 6510.5; 22-JUN-2011 20:03:52; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;48692
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12; 2694.7; 23-JUN-2011 01:41:12; Bright; 47.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 94; 0;48695
13; 2814.8; 23-JUN-2011 01:43:12; Bright; 36.0; 130; 23Bet Dra ; 2.80; 5800;occ; 72; 0;48695
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17; 6708.9; 24-JUN-2011 10:32:32; Dark ; 47.0; 45; Alp Pav ; 1.94; 26000;occ; 94; 0;48715
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5; 3381.0; 24-JUN-2011 11:17:18; Bright; 48.0; 89; 5Alp Cep ; 2.45; 8000;occ; 96; 0;48715
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17; 6709.3; 24-JUN-2011 12:12:46; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;48716
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12; 5417.5; 24-JUN-2011 13:31:28; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48716
13; 5702.3; 24-JUN-2011 13:36:13; Dark ; 72.5; 52; 16Bet Cet ; 2.04; 4500;occ; 145; 0;48716
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17; 6710.0; 24-JUN-2011 13:53:01; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48717
18; 7255.4; 24-JUN-2011 14:02:06; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;48717
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5; 3379.8; 24-JUN-2011 14:37:45; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;48717
6; 3803.4; 24-JUN-2011 14:44:48; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;48717
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9; 4248.1; 24-JUN-2011 14:52:13; Bright; 44.5; 73; 57Gam1And ; 2.26; 13100;occ; 89; 0;48717
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 4; 2680.1; 24-JUN-2011 16:06:19; Bright; 49.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 98; 0;48718  
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 8; 3897.7; 24-JUN-2011 16:26:36; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48718  
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 18; 6711.1; 24-JUN-2011 17:13:30; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;48719

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 18; 6416.4; 24-JUN-2011 18:48:49; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;48720  
 19; 6537.0; 24-JUN-2011 18:50:50; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;48720  
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 13; 4393.5; 24-JUN-2011 19:55:20; Dark ; 46.0; 53; 43Bet And ; 2.05; 3300;occ; 92; 0;48720  
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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
5; -1616.3; 26-JUN-2011 07:00:18; Dark ; 46.5; 173; 4Bet Tri ; 3.00; 8900;occ; 93; 0;48741
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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8; -577.8; 26-JUN-2011 07:17:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48741
9; 35.5; 26-JUN-2011 07:27:50; Dark ; 60.5; 84; Alp Phe ; 2.40; 4500;occ; 121; 0;48742
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
14; 1332.2; 26-JUN-2011 07:49:27; Dark ; 54.0; 116; 19Del Sgr ; 2.70; 4100;occ; 108; 0;48742
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2; 2113.4; 26-JUN-2011 08:02:28; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;48742
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
11; 4931.6; 26-JUN-2011 08:49:26; Dark ; 46.5; 94; 92Alp Cet ; 2.53; 3100;occ; 93; 0;48742
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
14; 6439.0; 26-JUN-2011 09:14:34; Dark ; 66.0; 63; Bet Gru ; 2.15; 2800;occ; 132; 0;48743
15; 6558.6; 26-JUN-2011 09:16:33; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;48743
16; 6723.8; 26-JUN-2011 09:19:18; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;48743
17; 7263.4; 26-JUN-2011 09:28:18; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;48743
18; 7346.3; 26-JUN-2011 09:29:41; Dark ; 44.0; 116; 19Del Sgr ; 2.70; 4100;occ; 88; 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
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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
15; 6559.5; 26-JUN-2011 10:56:48; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48744
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
18; 7346.7; 26-JUN-2011 11:09:55; Dark ; 57.0; 116; 19Del Sgr ; 2.70; 4100;occ; 114; 0;48744
19; 7473.1; 26-JUN-2011 11:12:02; Bright; 47.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 94; 0;48744

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 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  
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 13; 6052.3; 26-JUN-2011 12:28:35; Dark ; 56.5; 84; Alp Phe ; 2.40; 4500;occ; 113; 0;48745  
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 15; 6560.4; 26-JUN-2011 12:37:03; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48745  
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 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  
 4; 2803.2; 26-JUN-2011 13:14:40; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48745  
 5; 3790.4; 26-JUN-2011 13:31:07; Bright; 44.0; 74; 11Bet Cas ; 2.27; 6600;occ; 88; 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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 10; 4639.2; 26-JUN-2011 13:45:16; Dark ; 52.0; 50; 13Alp Ari ; 2.01; 4250;occ; 104; 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  
 14; 6442.0; 26-JUN-2011 14:15:18; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48746  
 15; 6561.3; 26-JUN-2011 14:17:18; Dark ; 52.0; 31; Alp Gru ; 1.73; 15200;occ; 104; 0;48746  
 16; 6725.6; 26-JUN-2011 14:20:02; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48746  
 17; 7264.1; 26-JUN-2011 14:29:01; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;48746  
 18; 7346.9; 26-JUN-2011 14:30:23; Dark ; 49.0; 116; 19Del Sgr ; 2.70; 4100;occ; 98; 0;48746  
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 3; 2663.5; 26-JUN-2011 14:52:34; Bright; 42.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 84; 0;48746  
 4; 2802.6; 26-JUN-2011 14:54:53; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48746  
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 6; 3887.2; 26-JUN-2011 15:12:58; Bright; 48.5; 68; 18Alp Cas ; 2.22; 4500;occ; 97; 0;48746  
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 9; 4398.1; 26-JUN-2011 15:21:28; Dark ; 46.0; 173; 4Bet Tri ; 3.00; 8900;occ; 92; 0;48746  
 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  
 15; 6562.5; 26-JUN-2011 15:57:33; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;48747  
 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  
 6; 2662.8; 26-JUN-2011 16:32:47; Bright; 46.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 93; 0;48747  
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17; 6444.2; 26-JUN-2011 17:35:49; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;48748
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19; 6726.6; 26-JUN-2011 17:40:31; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48748
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19; 6727.1; 26-JUN-2011 19:20:46; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;48749
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 9; 1971.2; 27-JUN-2011 00:42:26; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48752
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12; 2801.3; 27-JUN-2011 00:56:16; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;48752
13; 3355.6; 27-JUN-2011 01:05:30; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48752
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15; 3884.5; 27-JUN-2011 01:14:19; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48752
16; 4043.6; 27-JUN-2011 01:16:58; Bright; 35.5; 160; 23Gam Per ; 2.93; 4700;occ; 71; 0;48752
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13; 1252.4; 27-JUN-2011 03:50:55; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;48754
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12; 716.2; 27-JUN-2011 05:22:13; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48755
13; 1252.6; 27-JUN-2011 05:31:09; Dark ; 45.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 90; 0;48755
14; 1335.2; 27-JUN-2011 05:32:31; Dark ; 57.0; 116; 19Del Sgr ; 2.70; 4100;occ; 114; 0;48755
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3; 1463.2; 27-JUN-2011 20:36:45; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48764
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13; 4399.3; 27-JUN-2011 21:25:42; Dark ; 46.5; 173; 4Bet Tri ; 3.00; 8900;occ; 93; 0;48764
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6; 1255.4; 27-JUN-2011 22:13:32; Dark ; 41.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 82; 0;48765
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17; 6738.8; 28-JUN-2011 09:46:19; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48772
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
20; 7478.7; 28-JUN-2011 09:58:39; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;48772
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 2; 2110.6; 28-JUN-2011 10:09:25; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;48772
 3; 2649.2; 28-JUN-2011 10:18:23; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48772

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5; 3342.4; 28-JUN-2011 10:29:57; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48772
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
8; 4043.2; 28-JUN-2011 10:41:37; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;48772
9; 4245.8; 28-JUN-2011 10:45:00; Bright; 46.5; 73; 57Gam1And ; 2.26; 13100;occ; 93; 0;48772
10; 4399.9; 28-JUN-2011 10:47:34; Dark ; 49.0; 173; 4Bet Tri ; 3.00; 8900;occ; 98; 0;48772
11; 4647.1; 28-JUN-2011 10:51:41; Dark ; 59.0; 50; 13Alp Ari ; 2.01; 4250;occ; 118; 0;48772
12; 4943.0; 28-JUN-2011 10:56:37; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;48772
13; 5460.7; 28-JUN-2011 11:05:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48772
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
20; 7478.8; 28-JUN-2011 11:38:53; Bright; 45.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 90; 0;48773
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2; 2110.6; 28-JUN-2011 11:49:39; Bright; 36.5; 59; 55Alp Oph ; 2.08; 8900;occ; 73; 0;48773
3; 2648.8; 28-JUN-2011 11:58:37; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48773
4; 2797.5; 28-JUN-2011 12:01:06; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48773
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
8; 4043.1; 28-JUN-2011 12:21:51; Bright; 41.5; 160; 23Gam Per ; 2.93; 4700;occ; 83; 0;48773
9; 4245.9; 28-JUN-2011 12:25:14; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48773
10; 4400.0; 28-JUN-2011 12:27:48; Dark ; 49.0; 173; 4Bet Tri ; 3.00; 8900;occ; 98; 0;48773
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
18; 7272.1; 28-JUN-2011 13:15:40; Dark ; 45.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 90; 0;48774
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
3; 2648.2; 28-JUN-2011 13:38:50; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48774
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
6; 3776.0; 28-JUN-2011 13:57:38; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48774
7; 3875.5; 28-JUN-2011 13:59:17; Bright; 48.5; 68; 18Alp Cas ; 2.22; 4500;occ; 97; 0;48774
8; 4043.2; 28-JUN-2011 14:02:05; Bright; 37.5; 160; 23Gam Per ; 2.93; 4700;occ; 75; 0;48774
9; 4245.7; 28-JUN-2011 14:05:28; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48774
10; 4400.2; 28-JUN-2011 14:08:02; Dark ; 49.5; 173; 4Bet Tri ; 3.00; 8900;occ; 99; 0;48774
11; 4647.8; 28-JUN-2011 14:12:10; Dark ; 55.0; 50; 13Alp Ari ; 2.01; 4250;occ; 110; 0;48774
12; 4943.8; 28-JUN-2011 14:17:06; Dark ; 48.5; 94; 92Alp Cet ; 2.53; 3100;occ; 97; 0;48774
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
17; 6740.3; 28-JUN-2011 14:47:02; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;48775
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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3; 1970.3; 28-JUN-2011 15:07:46; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48775
4; 2110.2; 28-JUN-2011 15:10:06; Bright; 40.5; 59; 55Alp Oph ; 2.08; 8900;occ; 81; 0;48775
5; 2647.9; 28-JUN-2011 15:19:04; Bright; 48.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 97; 0;48775
6; 2797.3; 28-JUN-2011 15:21:33; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48775
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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 11; 4245.6; 28-JUN-2011 15:45:42; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48775  
 12; 4400.1; 28-JUN-2011 15:48:16; Dark ; 49.0; 173; 4Bet Tri ; 3.00; 8900;occ; 98; 0;48775  
 13; 4648.2; 28-JUN-2011 15:52:24; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48775  
 14; 4944.6; 28-JUN-2011 15:57:20; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;48775  
 15; 5463.3; 28-JUN-2011 16:05:59; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48775  
 16; 6082.7; 28-JUN-2011 16:16:19; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;48776  
 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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 3; 1465.4; 28-JUN-2011 16:39:35; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48776  
 4; 1970.4; 28-JUN-2011 16:48:00; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48776  
 5; 2110.1; 28-JUN-2011 16:50:20; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48776  
 6; 2647.3; 28-JUN-2011 16:59:17; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48776  
 7; 2797.0; 28-JUN-2011 17:01:47; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;48776  
 8; 3339.4; 28-JUN-2011 17:10:49; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;48776  
 9; 3775.3; 28-JUN-2011 17:18:05; Bright; 51.0; 74; 11Bet Cas ; 2.27; 6600;occ; 102; 0;48776  
 10; 3874.9; 28-JUN-2011 17:19:45; Bright; 49.0; 68; 18Alp Cas ; 2.22; 4500;occ; 98; 0;48776  
 11; 4043.1; 28-JUN-2011 17:22:33; Bright; 41.0; 160; 23Gam Per ; 2.93; 4700;occ; 82; 0;48776  
 12; 4245.7; 28-JUN-2011 17:25:56; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48776  
 13; 4400.0; 28-JUN-2011 17:28:30; Dark ; 50.0; 173; 4Bet Tri ; 3.00; 8900;occ; 100; 0;48776  
 14; 4648.3; 28-JUN-2011 17:32:38; Dark ; 59.5; 50; 13Alp Ari ; 2.01; 4250;occ; 119; 0;48776  
 15; 4944.8; 28-JUN-2011 17:37:35; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;48776  
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 17; 6083.7; 28-JUN-2011 17:56:34; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;48777  
 18; 6472.5; 28-JUN-2011 18:03:02; Dark ; 54.0; 63; Bet Gru ; 2.15; 2800;occ; 108; 0;48777  
 19; 6589.9; 28-JUN-2011 18:05:00; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;48777  
 20; 6741.2; 28-JUN-2011 18:07:31; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48777

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 3; 1465.6; 28-JUN-2011 18:19:50; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48777  
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 5; 2110.0; 28-JUN-2011 18:30:34; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48777  
 6; 2646.8; 28-JUN-2011 18:39:31; Bright; 44.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 89; 0;48777  
 7; 2796.6; 28-JUN-2011 18:42:01; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48777  
 8; 3338.8; 28-JUN-2011 18:51:03; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;48777  
 9; 3774.8; 28-JUN-2011 18:58:19; Bright; 53.5; 74; 11Bet Cas ; 2.27; 6600;occ; 107; 0;48777  
 10; 3874.3; 28-JUN-2011 18:59:58; Bright; 49.5; 68; 18Alp Cas ; 2.22; 4500;occ; 99; 0;48777  
 11; 4042.8; 28-JUN-2011 19:02:47; Bright; 37.0; 160; 23Gam Per ; 2.93; 4700;occ; 74; 0;48777  
 12; 4245.4; 28-JUN-2011 19:06:09; Bright; 43.0; 73; 57Gam1And ; 2.26; 13100;occ; 86; 0;48777  
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 16; 5464.9; 28-JUN-2011 19:26:29; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48777  
 17; 6084.6; 28-JUN-2011 19:36:49; Dark ; 61.5; 84; Alp Phe ; 2.40; 4500;occ; 123; 0;48778  
 18; 6473.3; 28-JUN-2011 19:43:17; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;48778  
 19; 6590.7; 28-JUN-2011 19:45:15; Dark ; 48.0; 31; Alp Gru ; 1.73; 15200;occ; 96; 0;48778  
 20; 6741.5; 28-JUN-2011 19:47:46; Dark ; 47.5; 45; Alp Pav ; 1.94; 26000;occ; 95; 0;48778

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 3; 462.1; 29-JUN-2011 00:44:02; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;48781  
 4; 579.2; 29-JUN-2011 00:45:59; Dark ; 59.5; 31; Alp Gru ; 1.73; 15200;occ; 119; 0;48781  
 5; 728.9; 29-JUN-2011 00:48:29; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;48781  
 6; 1259.5; 29-JUN-2011 00:57:19; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;48781  
 7; 1341.6; 29-JUN-2011 00:58:41; Dark ; 49.5; 116; 19Del Sgr ; 2.70; 4100;occ; 99; 0;48781  
 8; 1466.4; 29-JUN-2011 01:00:46; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48781  
 9; 1970.1; 29-JUN-2011 01:09:10; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48781  
 10; 2109.6; 29-JUN-2011 01:11:30; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;48781  
 11; 2226.9; 29-JUN-2011 01:13:27; Bright; 33.0; 168; 17Zet Aql ; 2.99; 11000;occ; 66; 0;48781  
 12; 2644.5; 29-JUN-2011 01:20:24; Bright; 62.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 124; 0;48781  
 13; 2795.9; 29-JUN-2011 01:22:56; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;48781  
 14; 3336.0; 29-JUN-2011 01:31:56; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;48781  
 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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17; 4042.7; 29-JUN-2011 01:43:43; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48781
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19; 4400.2; 29-JUN-2011 01:49:40; Dark ; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;48781
20; 4649.8; 29-JUN-2011 01:53:50; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48781
21; 4946.8; 29-JUN-2011 01:58:47; Dark ; 46.5; 94; 92Alp Cet ; 2.53; 3100;occ; 93; 0;48781
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 3; 463.1; 29-JUN-2011 02:24:17; Dark ; 54.5; 63; Bet Gru ; 2.15; 2800;occ; 109; 0;48782
 4; 580.1; 29-JUN-2011 02:26:14; Dark ; 53.0; 31; Alp Gru ; 1.73; 15200;occ; 106; 0;48782
 5; 729.6; 29-JUN-2011 02:28:43; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48782
 6; 1300.2; 29-JUN-2011 02:38:14; Dark ; 48.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 96; 0;48782
 7; 1466.7; 29-JUN-2011 02:41:01; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48782
 8; 1969.9; 29-JUN-2011 02:49:24; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48782
 9; 2109.6; 29-JUN-2011 02:51:43; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48782
10; 2226.4; 29-JUN-2011 02:53:40; Bright; 39.0; 168; 17Zet Aql ; 2.99; 11000;occ; 78; 0;48782
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13; 1301.2; 29-JUN-2011 07:38:57; Dark ; 46.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 92; 0;48785
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5; 2795.4; 29-JUN-2011 08:03:51; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;48785
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 6; 2914.0; 29-JUN-2011 13:06:32; Bright; 33.0; 144; 18Del Cyg ; 2.86; 11000;occ; 66; 0;48788  
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 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  
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 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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 3; 2222.7; 29-JUN-2011 14:35:14; Bright; 50.5; 168; 17Zet Aql ; 2.99; 11000;occ; 101; 0;48789  
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 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
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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
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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
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19; 6486.1; 29-JUN-2011 17:26:32; Dark ; 50.0; 63; Bet Gru ; 2.15; 2800;occ; 100; 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
10; 3767.6; 29-JUN-2011 18:21:27; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;48791
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
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3; 475.7; 30-JUN-2011 00:07:31; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;48795
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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 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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 16; 3866.8; 30-JUN-2011 01:04:02; Bright; 47.5; 68; 18Alp Cas ; 2.22; 4500;occ; 95; 0;48795  
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 4; 2109.4; 29-JUN-2011 19:34:03; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48792  
 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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 11; 3868.1; 29-JUN-2011 20:03:22; Bright; 47.5; 68; 18Alp Cas ; 2.22; 4500;occ; 95; 0;48792  
 12; 4042.3; 29-JUN-2011 20:06:16; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;48792  
 13; 4244.6; 29-JUN-2011 20:09:38; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48792  
 14; 4401.3; 29-JUN-2011 20:12:15; Dark ; 50.0; 173; 4Bet Tri ; 3.00; 8900;occ; 100; 0;48792  
 15; 4653.4; 29-JUN-2011 20:16:27; Dark ; 57.0; 50; 13Alp Ari ; 2.01; 4250;occ; 114; 0;48792  
 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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 27; 7318.8; 30-JUN-2011 03:41:48; Dark ; 47.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 95; 0;48797  
 28; 7483.8; 30-JUN-2011 03:44:33; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;48797  
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