

GOMOS Daily Report 25-JUN-2010

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	28JUN2010 04:48:55
Data source version	GOMOS/5.01
Start time of products	25JUN2010 00:02:50
Stop time of products	25JUN2010 23:54:40
Store outputs in DB	Yes
Nb of level 1b prods	106
Nb of prods with errors	0

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

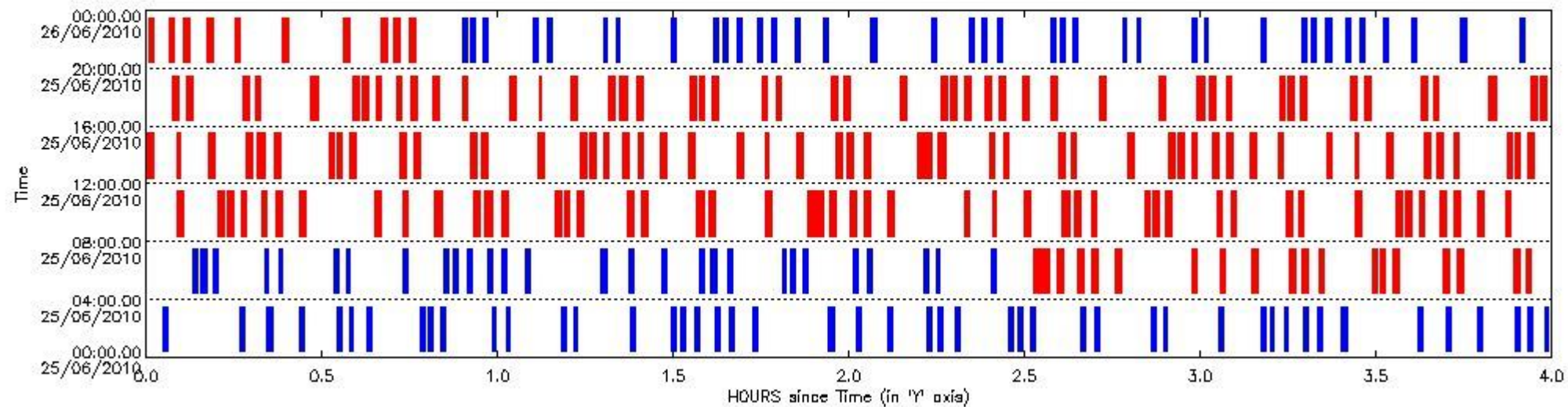
2.1 Level 0 products arrived in PCF (see template [here](#))

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
25-JUN-2010 06:31:38	11BetCas	74	43489
25-JUN-2010 06:33:12	18AlpCas	68	43489
25-JUN-2010 06:35:36	23GamPer	160	43489
25-JUN-2010 06:39:02	57Gam1And	73	43489
25-JUN-2010 06:41:29	4BetTri	173	43489
25-JUN-2010 06:45:25	13AlpAri	50	43489
25-JUN-2010 06:58:26	DSA1066	0	43489
25-JUN-2010 07:03:17	16BetCet	52	43489
25-JUN-2010 07:08:41	AlpPhe	84	43490
25-JUN-2010 07:15:11	BetGru	63	43490
25-JUN-2010 07:17:12	AlpGru	31	43490
25-JUN-2010 07:20:09	AlpPav	45	43490
25-JUN-2010 07:29:17	20EpsSgr	38	43490
25-JUN-2010 07:30:42	19DelSgr	116	43490
25-JUN-2010 07:32:51	41PiSgr	155	43490

25-JUN-2010 07:41:34	60BetOph	126	43490
25-JUN-2010 07:43:57	55AlpOph	59	43490
25-JUN-2010 07:53:26	3AlpLyr	5	43490
25-JUN-2010 07:55:33	23BetDra	130	43490
25-JUN-2010 08:05:09	5AlpCep	89	43490
25-JUN-2010 08:12:13	11BetCas	74	43490
25-JUN-2010 08:13:48	18AlpCas	68	43490
25-JUN-2010 08:16:12	23GamPer	160	43490
25-JUN-2010 08:19:37	57Gam1And	73	43490
25-JUN-2010 08:22:05	4BetTri	173	43490
25-JUN-2010 08:26:01	13AlpAri	50	43490
25-JUN-2010 08:39:03	DSA1066	0	43490
25-JUN-2010 08:43:54	16BetCet	52	43490
25-JUN-2010 08:49:18	AlpPhe	84	43491
25-JUN-2010 08:55:47	BetGru	63	43491
25-JUN-2010 08:57:49	AlpGru	31	43491
25-JUN-2010 09:00:46	AlpPav	45	43491
25-JUN-2010 09:09:54	20EpsSgr	38	43491
25-JUN-2010 09:11:18	19DelSgr	116	43491
25-JUN-2010 09:13:27	41PiSgr	155	43491
25-JUN-2010 09:22:09	60BetOph	126	43491
25-JUN-2010 09:24:33	55AlpOph	59	43491
25-JUN-2010 09:34:02	3AlpLyr	5	43491
25-JUN-2010 09:36:09	23BetDra	130	43491
25-JUN-2010 09:45:44	5AlpCep	89	43491
25-JUN-2010 09:52:49	11BetCas	74	43491
25-JUN-2010 09:54:23	18AlpCas	68	43491
25-JUN-2010 09:56:48	23GamPer	160	43491
25-JUN-2010 10:00:13	57Gam1And	73	43491
25-JUN-2010 10:02:41	4BetTri	173	43491
25-JUN-2010 10:06:37	13AlpAri	50	43491
25-JUN-2010 10:19:39	DSA1066	0	43491
25-JUN-2010 10:24:32	16BetCet	52	43491
25-JUN-2010 10:29:55	AlpPhe	84	43492
25-JUN-2010 10:36:24	BetGru	63	43492
25-JUN-2010 10:38:25	AlpGru	31	43492
25-JUN-2010 10:41:22	AlpPav	45	43492
25-JUN-2010 10:50:30	20EpsSgr	38	43492
25-JUN-2010 10:51:54	19DelSgr	116	43492
25-JUN-2010 10:54:03	41PiSgr	155	43492
25-JUN-2010 11:02:45	60BetOph	126	43492
25-JUN-2010 11:05:08	55AlpOph	59	43492
25-JUN-2010 11:14:37	3AlpLyr	5	43492
25-JUN-2010 11:16:44	23BetDra	130	43492
25-JUN-2010 11:26:19	5AlpCep	89	43492
25-JUN-2010 11:33:24	11BetCas	74	43492
25-JUN-2010 11:34:59	18AlpCas	68	43492
25-JUN-2010 11:37:24	23GamPer	160	43492
25-JUN-2010 11:40:49	57Gam1And	73	43492
25-JUN-2010 11:43:17	4BetTri	173	43492
25-JUN-2010 11:47:13	13AlpAri	50	43492
25-JUN-2010 11:52:05	92AlpCet	94	43492
25-JUN-2010 12:00:16	DSA1066	0	43492
25-JUN-2010 12:05:09	16BetCet	52	43492
25-JUN-2010 12:10:32	AlpPhe	84	43493
25-JUN-2010 12:17:01	BetGru	63	43493
25-JUN-2010 12:19:02	AlpGru	31	43493
25-JUN-2010 12:21:58	AlpPav	45	43493
25-JUN-2010 12:31:06	20EpsSgr	38	43493

25-JUN-2010 12:32:30	19DelSgr	116	43493
25-JUN-2010 12:34:39	41PiSgr	155	43493
25-JUN-2010 12:43:21	60BetOph	126	43493
25-JUN-2010 12:45:44	55AlpOph	59	43493
25-JUN-2010 12:55:12	3AlpLyr	5	43493
25-JUN-2010 12:57:20	23BetDra	130	43493
25-JUN-2010 13:06:55	5AlpCep	89	43493
25-JUN-2010 13:14:00	11BetCas	74	43493
25-JUN-2010 13:15:35	18AlpCas	68	43493
25-JUN-2010 13:18:00	23GamPer	160	43493
25-JUN-2010 13:21:25	57Gam1And	73	43493
25-JUN-2010 13:23:53	4BetTri	173	43493
25-JUN-2010 13:27:50	13AlpAri	50	43493
25-JUN-2010 13:32:41	92AlpCet	94	43493
25-JUN-2010 13:40:53	DSA1066	0	43493
25-JUN-2010 13:45:46	16BetCet	52	43493
25-JUN-2010 13:51:09	AlpPhe	84	43494
25-JUN-2010 13:57:38	BetGru	63	43494
25-JUN-2010 13:59:39	AlpGru	31	43494
25-JUN-2010 14:02:35	AlpPav	45	43494
25-JUN-2010 14:11:42	20EpsSgr	38	43494
25-JUN-2010 14:13:07	19DelSgr	116	43494
25-JUN-2010 14:15:15	41PiSgr	155	43494
25-JUN-2010 14:23:57	60BetOph	126	43494
25-JUN-2010 14:26:20	55AlpOph	59	43494
25-JUN-2010 14:35:48	3AlpLyr	5	43494
25-JUN-2010 14:37:56	23BetDra	130	43494
25-JUN-2010 14:47:30	5AlpCep	89	43494
25-JUN-2010 14:54:35	11BetCas	74	43494
25-JUN-2010 14:56:10	18AlpCas	68	43494
25-JUN-2010 14:58:36	23GamPer	160	43494
25-JUN-2010 15:02:01	57Gam1And	73	43494
25-JUN-2010 15:04:29	4BetTri	173	43494
25-JUN-2010 15:08:26	13AlpAri	50	43494
25-JUN-2010 15:13:18	92AlpCet	94	43494
25-JUN-2010 15:21:29	DSA1066	0	43494
25-JUN-2010 15:26:24	16BetCet	52	43494
25-JUN-2010 15:31:46	AlpPhe	84	43495
25-JUN-2010 15:38:15	BetGru	63	43495
25-JUN-2010 15:40:16	AlpGru	31	43495
25-JUN-2010 15:43:11	AlpPav	45	43495
25-JUN-2010 15:52:19	20EpsSgr	38	43495
25-JUN-2010 15:53:43	19DelSgr	116	43495
25-JUN-2010 15:55:52	41PiSgr	155	43495
25-JUN-2010 16:04:33	60BetOph	126	43495
25-JUN-2010 16:06:56	55AlpOph	59	43495
25-JUN-2010 16:16:23	3AlpLyr	5	43495
25-JUN-2010 16:18:32	23BetDra	130	43495
25-JUN-2010 16:28:05	5AlpCep	89	43495
25-JUN-2010 16:35:11	11BetCas	74	43495
25-JUN-2010 16:36:46	18AlpCas	68	43495
25-JUN-2010 16:39:12	23GamPer	160	43495
25-JUN-2010 16:42:37	57Gam1And	73	43495
25-JUN-2010 16:45:05	4BetTri	173	43495
25-JUN-2010 16:49:02	13AlpAri	50	43495
25-JUN-2010 16:53:54	92AlpCet	94	43495
25-JUN-2010 17:02:06	DSA1066	0	43495
25-JUN-2010 17:07:01	16BetCet	52	43495
25-JUN-2010 17:12:23	AlpPhe	84	43496

25-JUN-2010 17:18:52	BetGru	63	43496
25-JUN-2010 17:20:53	AlpGru	31	43496
25-JUN-2010 17:23:48	AlpPav	45	43496
25-JUN-2010 17:32:55	20EpsSgr	38	43496
25-JUN-2010 17:34:19	19DelSgr	116	43496
25-JUN-2010 17:36:28	41PiSgr	155	43496
25-JUN-2010 17:45:09	60BetOph	126	43496
25-JUN-2010 17:47:31	55AlpOph	59	43496
25-JUN-2010 17:56:58	3AlpLyr	5	43496
25-JUN-2010 17:59:07	23BetDra	130	43496
25-JUN-2010 18:08:40	5AlpCep	89	43496
25-JUN-2010 18:15:46	11BetCas	74	43496
25-JUN-2010 18:17:21	18AlpCas	68	43496
25-JUN-2010 18:19:48	23GamPer	160	43496
25-JUN-2010 18:23:13	57Gam1And	73	43496
25-JUN-2010 18:25:41	4BetTri	173	43496
25-JUN-2010 18:29:38	13AlpAri	50	43496
25-JUN-2010 18:34:30	92AlpCet	94	43496
25-JUN-2010 18:42:43	DSA1066	0	43496
25-JUN-2010 18:52:59	AlpPhe	84	43497
25-JUN-2010 18:59:29	BetGru	63	43497
25-JUN-2010 19:01:30	AlpGru	31	43497
25-JUN-2010 19:04:24	AlpPav	45	43497
25-JUN-2010 19:13:31	20EpsSgr	38	43497
25-JUN-2010 19:14:55	19DelSgr	116	43497
25-JUN-2010 19:17:04	41PiSgr	155	43497
25-JUN-2010 19:25:45	60BetOph	126	43497
25-JUN-2010 19:28:07	55AlpOph	59	43497
25-JUN-2010 19:37:33	3AlpLyr	5	43497
25-JUN-2010 19:39:43	23BetDra	130	43497
25-JUN-2010 19:49:16	5AlpCep	89	43497
25-JUN-2010 19:56:22	11BetCas	74	43497
25-JUN-2010 19:57:57	18AlpCas	68	43497
25-JUN-2010 20:00:24	23GamPer	160	43497
25-JUN-2010 20:03:49	57Gam1And	73	43497
25-JUN-2010 20:06:17	4BetTri	173	43497
25-JUN-2010 20:10:15	13AlpAri	50	43497
25-JUN-2010 20:15:06	92AlpCet	94	43497
25-JUN-2010 20:23:19	DSA1066	0	43497
25-JUN-2010 20:33:36	AlpPhe	84	43498
25-JUN-2010 20:40:06	BetGru	63	43498
25-JUN-2010 20:42:07	AlpGru	31	43498
25-JUN-2010 20:45:01	AlpPav	45	43498

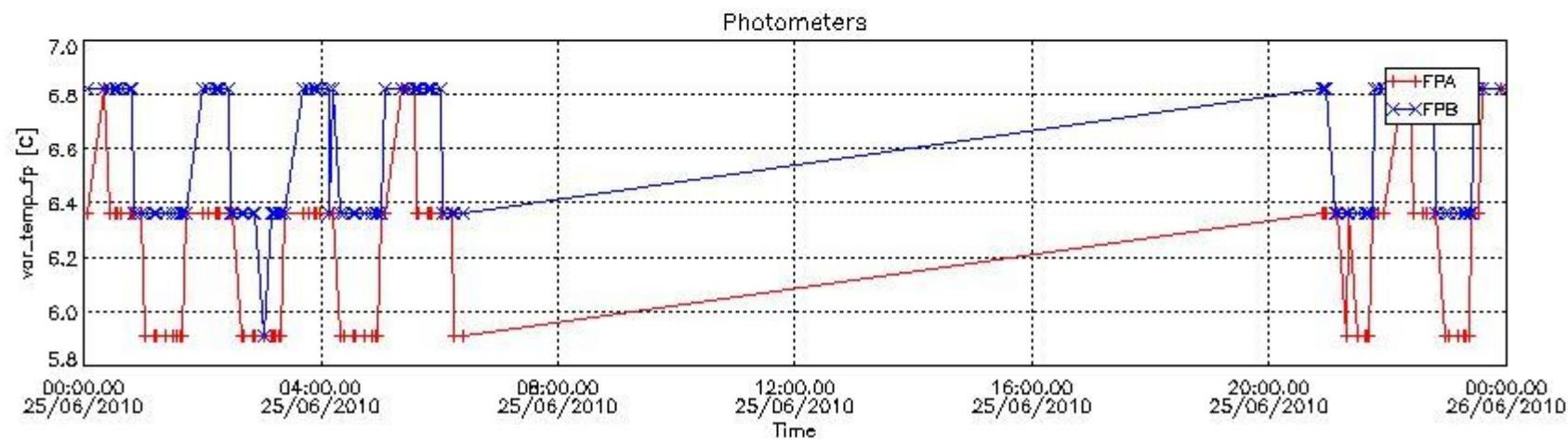
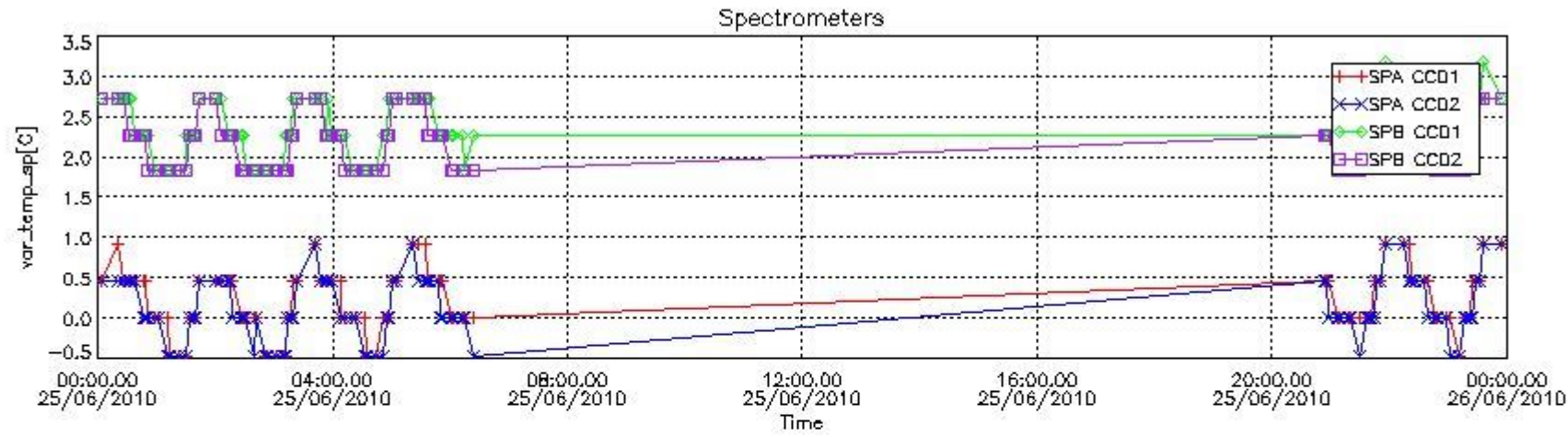
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100625_000250_000000522090_00345_43485_1844.N1	25-JUN-2010 00:02:50	Dark	52.000	50	13Alp Ari	2.0070	4250.0	104	43485	No
2	GOM_TRA_1PNPDE20100625_002038_000000592090_00345_43485_1849.N1	25-JUN-2010 00:20:38	Dark	59.000	52	16Bet Cet	2.0370	4500.0	118	43485	No
3	GOM_TRA_1PNPDE20100625_002604_000000482090_00346_43486_1850.N1	25-JUN-2010 00:26:04	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	43486	No
4	GOM_TRA_1PNPDE20100625_003233_000000532090_00346_43486_1851.N1	25-JUN-2010 00:32:33	Straylight	53.000	63	Bet Gru	2.1500	2800.0	106	43486	No
5	GOM_TRA_1PNPDE20100625_003435_000000462090_00346_43486_1852.N1	25-JUN-2010 00:34:35	Straylight	46.000	31	Alp Gru	1.7340	15200.	92	43486	No
6	GOM_TRA_1PNPDE20100625_003734_000000502090_00346_43486_1853.N1	25-JUN-2010 00:37:34	Straylight	49.500	45	Alp Pav	1.9400	26000.	99	43486	No
7	GOM_TRA_1PNPDE20100625_004643_000000462090_00346_43486_1854.N1	25-JUN-2010 00:46:43	Twilight_stray	45.500	38	20Eps Sgr	1.8360	11000.	91	43486	No
8	GOM_TRA_1PNPDE20100625_004808_000000522090_00346_43486_1855.N1	25-JUN-2010 00:48:08	Bright	51.500	116	19Del Sgr	2.7000	4100.0	103	43486	No
9	GOM_TRA_1PNPDE20100625_005017_000000512090_00346_43486_1856.N1	25-JUN-2010 00:50:17	Bright	50.500	155	41Pi Sgr	2.9000	6600.0	101	43486	No
10	GOM_TRA_1PNPDE20100625_005901_000000392090_00346_43486_1857.N1	25-JUN-2010 00:59:01	Bright	39.000	126	60Bet Oph	2.7700	4250.0	78	43486	No
11	GOM_TRA_1PNPDE20100625_010124_000000402090_00346_43486_1858.N1	25-JUN-2010 01:01:24	Bright	39.500	59	55Alp Oph	2.0800	8900.0	79	43486	No

12	GOM_TRA_1PNPDE20100625_011056_000000512090_00346_43486_1859.N1	25-JUN-2010 01:10:56	Bright	50.500	5	3Alp Lyr	0.033000	11000.	101	43486	No
13	GOM_TRA_1PNPDE20100625_011301_000000382090_00346_43486_1860.N1	25-JUN-2010 01:13:01	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	43486	No
14	GOM_TRA_1PNPDE20100625_012239_000000452090_00346_43486_1861.N1	25-JUN-2010 01:22:39	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	43486	No
15	GOM_TRA_1PNPDE20100625_012942_000000482090_00346_43486_1862.N1	25-JUN-2010 01:29:42	Bright	47.500	74	11Bet Cas	2.2680	6600.0	95	43486	No
16	GOM_TRA_1PNPDE20100625_013116_000000492090_00346_43486_1863.N1	25-JUN-2010 01:31:16	Bright	49.000	68	18Alp Cas	2.2250	4500.0	98	43486	No
17	GOM_TRA_1PNPDE20100625_013339_000000542090_00346_43486_1864.N1	25-JUN-2010 01:33:39	Bright	54.000	160	23Gam Per	2.9300	4700.0	108	43486	No
18	GOM_TRA_1PNPDE20100625_013704_000000472090_00346_43486_1865.N1	25-JUN-2010 01:37:04	Bright	46.500	73	57Gam1And	2.2600	13100.	93	43486	No
19	GOM_TRA_1PNPDE20100625_013931_000000452090_00346_43486_1866.N1	25-JUN-2010 01:39:31	Tw_i_and_stray	44.500	173	4Bet Tri	3.0040	8900.0	89	43486	No
20	GOM_TRA_1PNPDE20100625_014327_000000552090_00346_43486_1867.N1	25-JUN-2010 01:43:27	Dark	55.000	50	13Alp Ari	2.0070	4250.0	110	43486	No
21	GOM_TRA_1PNPDE20100625_020115_000000532090_00346_43486_1866.N1	25-JUN-2010 02:01:15	Dark	53.000	52	16Bet Cet	2.0370	4500.0	106	43486	No
22	GOM_TRA_1PNPDE20100625_020641_000000472090_00347_43487_1867.N1	25-JUN-2010 02:06:41	Dark	47.000	84	Alp Phe	2.3970	4500.0	94	43487	No
23	GOM_TRA_1PNPDE20100625_021310_000000562090_00347_43487_1868.N1	25-JUN-2010 02:13:10	Straylight	55.500	63	Bet Gru	2.1500	2800.0	111	43487	No
24	GOM_TRA_1PNPDE20100625_021512_000000492090_00347_43487_1869.N1	25-JUN-2010 02:15:12	Straylight	49.000	31	Alp Gru	1.7340	15200.	98	43487	No
25	GOM_TRA_1PNPDE20100625_021810_000000412090_00347_43487_1870.N1	25-JUN-2010 02:18:10	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	43487	No
26	GOM_TRA_1PNPDE20100625_022719_000000442090_00347_43487_1871.N1	25-JUN-2010 02:27:19	Tw_i_and_stray	44.000	38	20Eps Sgr	1.8360	11000.	88	43487	No
27	GOM_TRA_1PNPDE20100625_022844_000000492090_00347_43487_1872.N1	25-JUN-2010 02:28:44	Bright	48.500	116	19Del Sgr	2.7000	4100.0	97	43487	No
28	GOM_TRA_1PNPDE20100625_023053_000000482090_00347_43487_1873.N1	25-JUN-2010 02:30:53	Bright	48.000	155	41Pi Sgr	2.9000	6600.0	96	43487	No
29	GOM_TRA_1PNPDE20100625_023937_000000412090_00347_43487_1874.N1	25-JUN-2010 02:39:37	Bright	40.500	126	60Bet Oph	2.7700	4250.0	81	43487	No
30	GOM_TRA_1PNPDE20100625_024200_000000402090_00347_43487_1875.N1	25-JUN-2010 02:42:00	Bright	39.500	59	55Alp Oph	2.0800	8900.0	79	43487	No
31	GOM_TRA_1PNPDE20100625_025131_000000502090_00347_43487_1876.N1	25-JUN-2010 02:51:31	Bright	50.000	5	3Alp Lyr	0.033000	11000.	100	43487	No
32	GOM_TRA_1PNPDE20100625_025337_000000382090_00347_43487_1877.N1	25-JUN-2010 02:53:37	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	43487	No
33	GOM_TRA_1PNPDE20100625_030314_000000482090_00347_43487_1878.N1	25-JUN-2010 03:03:14	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43487	No
34	GOM_TRA_1PNPDE20100625_031017_000000462090_00347_43487_1894.N1	25-JUN-2010 03:10:17	Bright	46.000	74	11Bet Cas	2.2680	6600.0	92	43487	No
35	GOM_TRA_1PNPDE20100625_031152_000000462090_00347_43487_1895.N1	25-JUN-2010 03:11:52	Bright	46.000	68	18Alp Cas	2.2250	4500.0	92	43487	No
36	GOM_TRA_1PNPDE20100625_031415_000000342090_00347_43487_1896.N1	25-JUN-2010 03:14:15	Bright	33.500	160	23Gam Per	2.9300	4700.0	67	43487	No
37	GOM_TRA_1PNPDE20100625_031740_000000462090_00347_43487_1897.N1	25-JUN-2010 03:17:40	Bright	45.500	73	57Gam1And	2.2600	13100.	91	43487	No
38	GOM_TRA_1PNPDE20100625_032008_000000472090_00347_43487_1898.N1	25-JUN-2010 03:20:08	Tw_i_and_stray	47.000	173	4Bet Tri	3.0040	8900.0	94	43487	No
39	GOM_TRA_1PNPDE20100625_032403_000000622090_00347_43487_1899.N1	25-JUN-2010 03:24:03	Dark	62.000	50	13Alp Ari	2.0070	4250.0	124	43487	No
40	GOM_TRA_1PNPDE20100625_034153_000000532090_00347_43487_1900.N1	25-JUN-2010 03:41:53	Dark	53.000	52	16Bet Cet	2.0370	4500.0	106	43487	No
41	GOM_TRA_1PNPDE20100625_034718_000000452090_00348_43488_1901.N1	25-JUN-2010 03:47:18	Dark	45.000	84	Alp Phe	2.3970	4500.0	90	43488	No
42	GOM_TRA_1PNPDE20100625_035347_000000522090_00348_43488_1902.N1	25-JUN-2010 03:53:47	Straylight	51.500	63	Bet Gru	2.1500	2800.0	103	43488	No
43	GOM_TRA_1PNPDE20100625_035548_000000502090_00348_43488_1903.N1	25-JUN-2010 03:55:48	Straylight	49.500	31	Alp Gru	1.7340	15200.	99	43488	No
44	GOM_TRA_1PNPDE20100625_035847_000000442090_00348_43488_1904.N1	25-JUN-2010 03:58:47	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	43488	No
45	GOM_TRA_1PNPDE20100625_040755_000000472090_00348_43488_1905.N1	25-JUN-2010 04:07:55	Tw_i_and_stray	46.500	38	20Eps Sgr	1.8360	11000.	93	43488	No
46	GOM_TRA_1PNPDE20100625_040920_000000542090_00348_43488_1906.N1	25-JUN-2010 04:09:20	Bright	54.000	116	19Del Sgr	2.7000	4100.0	108	43488	No
47	GOM_TRA_1PNPDE20100625_041129_000000512090_00348_43488_1907.N1	25-JUN-2010 04:11:29	Bright	50.500	155	41Pi Sgr	2.9000	6600.0	101	43488	No
48	GOM_TRA_1PNPDE20100625_042013_000000392090_00348_43488_1908.N1	25-JUN-2010 04:20:13	Bright	39.000	126	60Bet Oph	2.7700	4250.0	78	43488	No
49	GOM_TRA_1PNPDE20100625_042236_000000392090_00348_43488_1909.N1	25-JUN-2010 04:22:36	Bright	39.000	59	55Alp Oph	2.0800	8900.0	78	43488	No
50	GOM_TRA_1PNPDE20100625_043206_000000492090_00348_43488_1910.N1	25-JUN-2010 04:32:06	Bright	49.000	5	3Alp Lyr	0.033000	11000.	98	43488	No
51	GOM_TRA_1PNPDE20100625_043412_000000392090_00348_43488_1911.N1	25-JUN-2010 04:34:12	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	43488	No
52	GOM_TRA_1PNPDE20100625_044349_000000482090_00348_43488_1912.N1	25-JUN-2010 04:43:49	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43488	No
53	GOM_TRA_1PNPDE20100625_045053_000000452090_00348_43488_1927.N1	25-JUN-2010 04:50:53	Bright	45.000	74	11Bet Cas	2.2680	6600.0	90	43488	No
54	GOM_TRA_1PNPDE20100625_045227_000000462090_00348_43488_1928.N1	25-JUN-2010 04:52:27	Bright	45.500	68	18Alp Cas	2.2250	4500.0	91	43488	No
55	GOM_TRA_1PNPDE20100625_045451_000000542090_00348_43488_1929.N1	25-JUN-2010 04:54:51	Bright	54.000	160	23Gam Per	2.9300	4700.0	108	43488	No
56	GOM_TRA_1PNPDE20100625_045816_000000492090_00348_43488_1930.N1	25-JUN-2010 04:58:16	Bright	48.500	73	57Gam1And	2.2600	13100.	97	43488	No
57	GOM_TRA_1PNPDE20100625_050044_000000472090_00348_43488_1931.N1	25-JUN-2010 05:00:44	Tw_i_and_stray	46.500	173	4Bet Tri	3.0040	8900.0	93	43488	No
58	GOM_TRA_1PNPDE20100625_050439_000000552090_00348_43488_1932.N1	25-JUN-2010 05:04:39	Dark	54.500	50	13Alp Ari	2.0070	4250.0	109	43488	No
59	GOM_TRA_1PNPDE20100625_052230_000000472090_00348_43488_1933.N1	25-JUN-2010 05:22:30	Dark	47.000	52	16Bet Cet	2.0370	4500.0	94	43488	No
60	GOM_TRA_1PNPDE20100625_052755_000000502090_00349_43489_1934.N1	25-JUN-2010 05:27:55	Dark	50.000	84	Alp Phe	2.3970	4500.0	100	43489	No
61	GOM_TRA_1PNPDE20100625_053424_000000502090_00349_43489_1935.N1	25-JUN-2010 05:34:24	Straylight	49.500	63	Bet Gru	2.1500	2800.0	99	43489	No
62	GOM_TRA_1PNPDE20100625_053625_000000512090_00349_43489_1936.N1	25-JUN-2010 05:36:25	Straylight	51.000	31	Alp Gru	1.7340	15200.	102	43489	No
63	GOM_TRA_1PNPDE20100625_053923_000000412090_00349_43489_1937.N1	25-JUN-2010 05:39:23	Straylight	41.000	45	Alp Pav	1.9400	26000.	82	43489	No
64	GOM_TRA_1PNPDE20100625_054832_000000452090_00349_43489_1938.N1	25-JUN-2010 05:48:32	Tw_i_and_stray	44.500	38	20Eps Sgr	1.8360	11000.	89	43489	No
65	GOM_TRA_1PNPDE20100625_054956_000000472090_00349_43489_1939.N1	25-JUN-2010 05:49:56	Bright	47.000	116	19Del Sgr	2.7000	4100.0	94	43489	No
66	GOM_TRA_1PNPDE20100625_055205_000000502090_00349_43489_1940.N1	25-JUN-2010 05:52:05	Bright	50.000	155	41Pi Sgr	2.9000	6600.0	100	43489	No
67	GOM_TRA_1PNPDE20100625_060049_000000392090_00349_43489_1941.N1	25-JUN-2010 06:00:49	Bright	38.500	126	60Bet Oph	2.7700	4250.0	77	43489	No
68	GOM_TRA_1PNPDE20100625_060312_000000412090_00349_43489_1942.N1	25-JUN-2010 06:03:12	Bright	41.000	59	55Alp Oph	2.0800	8900.0	82	43489	No
69	GOM_TRA_1PNPDE20100625_061242_000000512090_00349_43489_1943.N1	25-JUN-2010 06:12:42	Bright	51.000	5	3Alp Lyr	0.033000	11000.	102	43489	No
70	GOM_TRA_1PNPDE20100625_061448_000000392090_00349_43489_1944.N1	25-JUN-2010 06:14:48	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	43489	No

71	GOM_TRA_1PNPDE20100625_062424_000000472090_00349_43489_1945.N1	25-JUN-2010 06:24:24	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	43489	No
72	GOM_TRA_1PNPDE20100625_205358_000000442090_00358_43498_2050.N1	25-JUN-2010 20:53:58	Twilight	44.000	38	20Eps Sgr	1.8360	11000.	88	43498	No
73	GOM_TRA_1PNPDE20100625_205522_000000502090_00358_43498_2051.N1	25-JUN-2010 20:55:22	Bright	50.000	116	19Del Sgr	2.7000	4100.0	100	43498	No
74	GOM_TRA_1PNPDE20100625_205730_000000492090_00358_43498_2052.N1	25-JUN-2010 20:57:30	Bright	48.500	155	41Pi Sgr	2.9000	6600.0	97	43498	No
75	GOM_TRA_1PNPDE20100625_210611_000000402090_00358_43498_2053.N1	25-JUN-2010 21:06:11	Bright	39.500	126	60Bet Oph	2.7700	4250.0	79	43498	No
76	GOM_TRA_1PNPDE20100625_210834_000000412090_00358_43498_2054.N1	25-JUN-2010 21:08:34	Bright	40.500	59	55Alp Oph	2.0800	8900.0	81	43498	No
77	GOM_TRA_1PNPDE20100625_211759_000000472090_00358_43498_2055.N1	25-JUN-2010 21:17:59	Bright	47.000	5	3Alp Lyr	0.033000	11000.	94	43498	No
78	GOM_TRA_1PNPDE20100625_212009_000000412090_00358_43498_2056.N1	25-JUN-2010 21:20:09	Bright	40.500	130	23Bet Dra	2.7990	5800.0	81	43498	No
79	GOM_TRA_1PNPDE20100625_212942_000000472090_00358_43498_2057.N1	25-JUN-2010 21:29:42	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	43498	No
80	GOM_TRA_1PNPDE20100625_213648_000000482090_00358_43498_2058.N1	25-JUN-2010 21:36:48	Bright	48.000	74	11Bet Cas	2.2680	6600.0	96	43498	No
81	GOM_TRA_1PNPDE20100625_213823_000000502090_00358_43498_2059.N1	25-JUN-2010 21:38:23	Bright	49.500	68	18Alp Cas	2.2250	4500.0	99	43498	No
82	GOM_TRA_1PNPDE20100625_214050_000000542090_00358_43498_2060.N1	25-JUN-2010 21:40:50	Bright	54.000	160	23Gam Per	2.9300	4700.0	108	43498	No
83	GOM_TRA_1PNPDE20100625_214415_000000482090_00358_43498_2061.N1	25-JUN-2010 21:44:15	Bright	47.500	73	57Gam1And	2.2600	13100.	95	43498	No
84	GOM_TRA_1PNPDE20100625_214644_000000452090_00358_43498_2062.N1	25-JUN-2010 21:46:44	Twilight	44.500	173	4Bet Tri	3.0040	8900.0	89	43498	No
85	GOM_TRA_1PNPDE20100625_215042_000000582090_00358_43498_2063.N1	25-JUN-2010 21:50:42	Dark	57.500	50	13Alp Ari	2.0070	4250.0	115	43498	No
86	GOM_TRA_1PNPDE20100625_215533_000000452090_00358_43498_2064.N1	25-JUN-2010 21:55:33	Dark	45.000	94	92Alp Cet	2.5260	3100.0	90	43498	No
87	GOM_TRA_1PNPDE20100625_221404_000000482090_00359_43499_2071.N1	25-JUN-2010 22:14:04	Dark	48.000	84	Alp Phe	2.3970	4500.0	96	43499	No
88	GOM_TRA_1PNPDE20100625_222033_000000512090_00359_43499_2072.N1	25-JUN-2010 22:20:33	Straylight	50.500	63	Bet Gru	2.1500	2800.0	101	43499	No
89	GOM_TRA_1PNPDE20100625_222234_000000502090_00359_43499_2073.N1	25-JUN-2010 22:22:34	Straylight	50.000	31	Alp Gru	1.7340	15200.	100	43499	No
90	GOM_TRA_1PNPDE20100625_222528_000000432090_00359_43499_2074.N1	25-JUN-2010 22:25:28	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	43499	No
91	GOM_TRA_1PNPDE20100625_223434_000000452090_00359_43499_2075.N1	25-JUN-2010 22:34:34	Twilight	44.500	38	20Eps Sgr	1.8360	11000.	89	43499	No
92	GOM_TRA_1PNPDE20100625_223558_000000512090_00359_43499_2076.N1	25-JUN-2010 22:35:58	Bright	50.500	116	19Del Sgr	2.7000	4100.0	101	43499	No
93	GOM_TRA_1PNPDE20100625_223807_000000502090_00359_43499_2077.N1	25-JUN-2010 22:38:07	Bright	49.500	155	41Pi Sgr	2.9000	6600.0	99	43499	No
94	GOM_TRA_1PNPDE20100625_224647_000000402090_00359_43499_2078.N1	25-JUN-2010 22:46:47	Bright	40.000	126	60Bet Oph	2.7700	4250.0	80	43499	No
95	GOM_TRA_1PNPDE20100625_224910_000000392090_00359_43499_2079.N1	25-JUN-2010 22:49:10	Bright	39.000	59	55Alp Oph	2.0800	8900.0	78	43499	No
96	GOM_TRA_1PNPDE20100625_225835_000000502090_00359_43499_2080.N1	25-JUN-2010 22:58:35	Bright	50.000	5	3Alp Lyr	0.033000	11000.	100	43499	No
97	GOM_TRA_1PNPDE20100625_230045_000000362090_00359_43499_2081.N1	25-JUN-2010 23:00:45	Bright	36.000	130	23Bet Dra	2.7990	5800.0	72	43499	No
98	GOM_TRA_1PNPDE20100625_231017_000000492090_00359_43499_2082.N1	25-JUN-2010 23:10:17	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	43499	No
99	GOM_TRA_1PNPDE20100625_231723_000000492090_00359_43499_2083.N1	25-JUN-2010 23:17:23	Bright	48.500	74	11Bet Cas	2.2680	6600.0	97	43499	No
100	GOM_TRA_1PNPDE20100625_231859_000000502090_00359_43499_2084.N1	25-JUN-2010 23:18:59	Bright	49.500	68	18Alp Cas	2.2250	4500.0	99	43499	No
101	GOM_TRA_1PNPDE20100625_232126_000000542090_00359_43499_2085.N1	25-JUN-2010 23:21:26	Bright	54.000	160	23Gam Per	2.9300	4700.0	108	43499	No
102	GOM_TRA_1PNPDE20100625_232451_000000482090_00359_43499_2086.N1	25-JUN-2010 23:24:51	Bright	48.000	73	57Gam1And	2.2600	13100.	96	43499	No
103	GOM_TRA_1PNPDE20100625_232720_000000462090_00359_43499_2087.N1	25-JUN-2010 23:27:20	Twilight	45.500	173	4Bet Tri	3.0040	8900.0	91	43499	No
104	GOM_TRA_1PNPDE20100625_233117_000000532090_00359_43499_2088.N1	25-JUN-2010 23:31:17	Dark	52.500	50	13Alp Ari	2.0070	4250.0	105	43499	No
105	GOM_TRA_1PNPDE20100625_233609_000000482090_00359_43499_2089.N1	25-JUN-2010 23:36:09	Dark	48.000	94	92Alp Cet	2.5260	3100.0	96	43499	No
106	GOM_TRA_1PNPDE20100625_235440_000000482090_00360_43500_2094.N1	25-JUN-2010 23:54:40	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	43500	No

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



4. Overview of dark signal processing per product

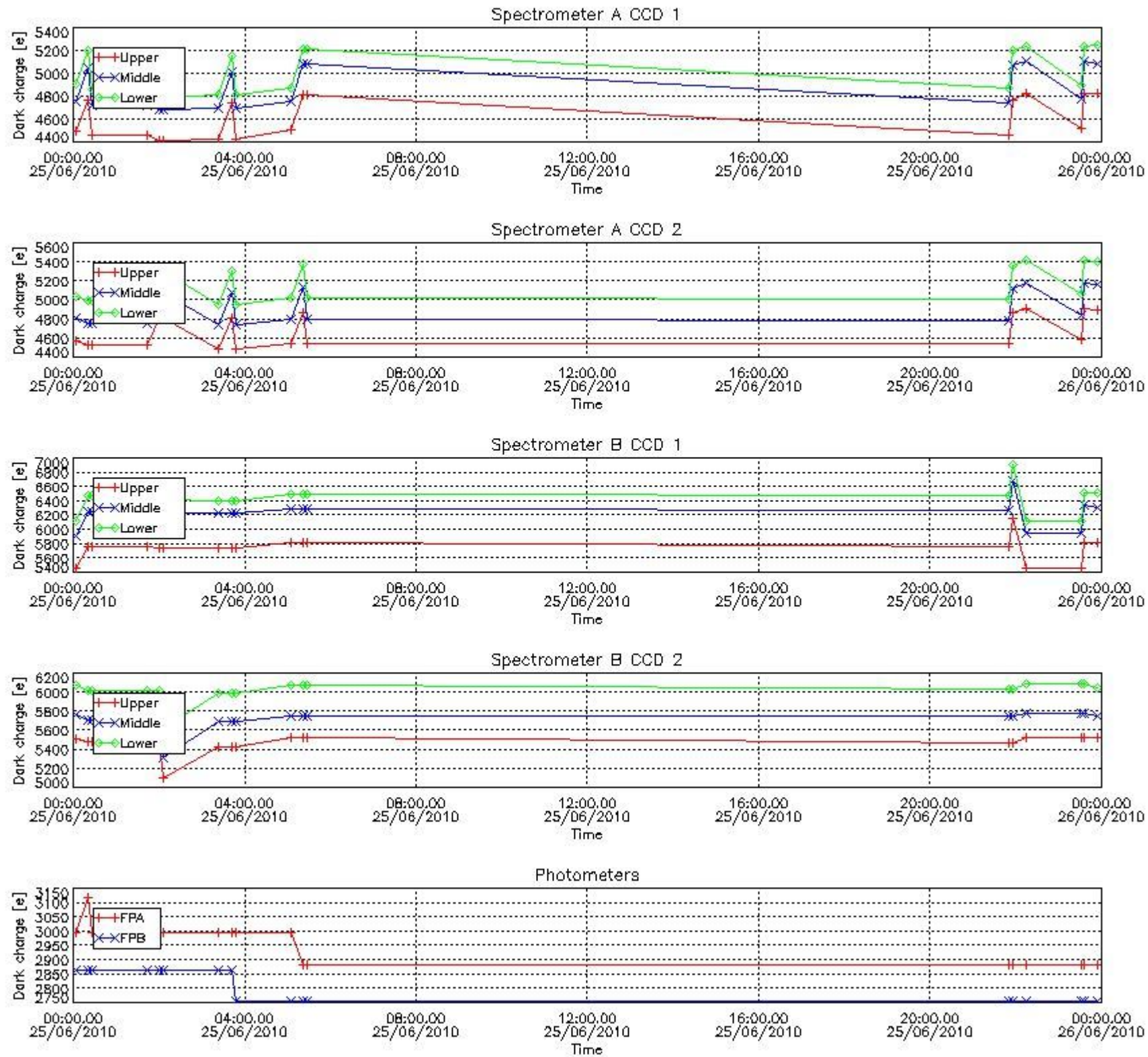
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20100625_205358_000000442090_00358_43498_2050.N1	DC map used
GOM_TRA_1PNPDE20100625_205522_000000502090_00358_43498_2051.N1	DC map used
GOM_TRA_1PNPDE20100625_205730_000000492090_00358_43498_2052.N1	DC map used
GOM_TRA_1PNPDE20100625_210611_000000402090_00358_43498_2053.N1	DC map used
GOM_TRA_1PNPDE20100625_210834_000000412090_00358_43498_2054.N1	DC map used
GOM_TRA_1PNPDE20100625_211759_000000472090_00358_43498_2055.N1	DC map used
GOM_TRA_1PNPDE20100625_212009_000000412090_00358_43498_2056.N1	DC map used
GOM_TRA_1PNPDE20100625_212942_000000472090_00358_43498_2057.N1	DC map used
GOM_TRA_1PNPDE20100625_213648_000000482090_00358_43498_2058.N1	DC map used
GOM_TRA_1PNPDE20100625_213823_000000502090_00358_43498_2059.N1	DC map used
GOM_TRA_1PNPDE20100625_214050_000000542090_00358_43498_2060.N1	DC map used
GOM_TRA_1PNPDE20100625_214415_000000482090_00358_43498_2061.N1	DC map used
GOM_TRA_1PNPDE20100625_214644_000000452090_00358_43498_2062.N1	DC map used
GOM_TRA_1PNPDE20100625_215042_000000582090_00358_43498_2063.N1	DC map used

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



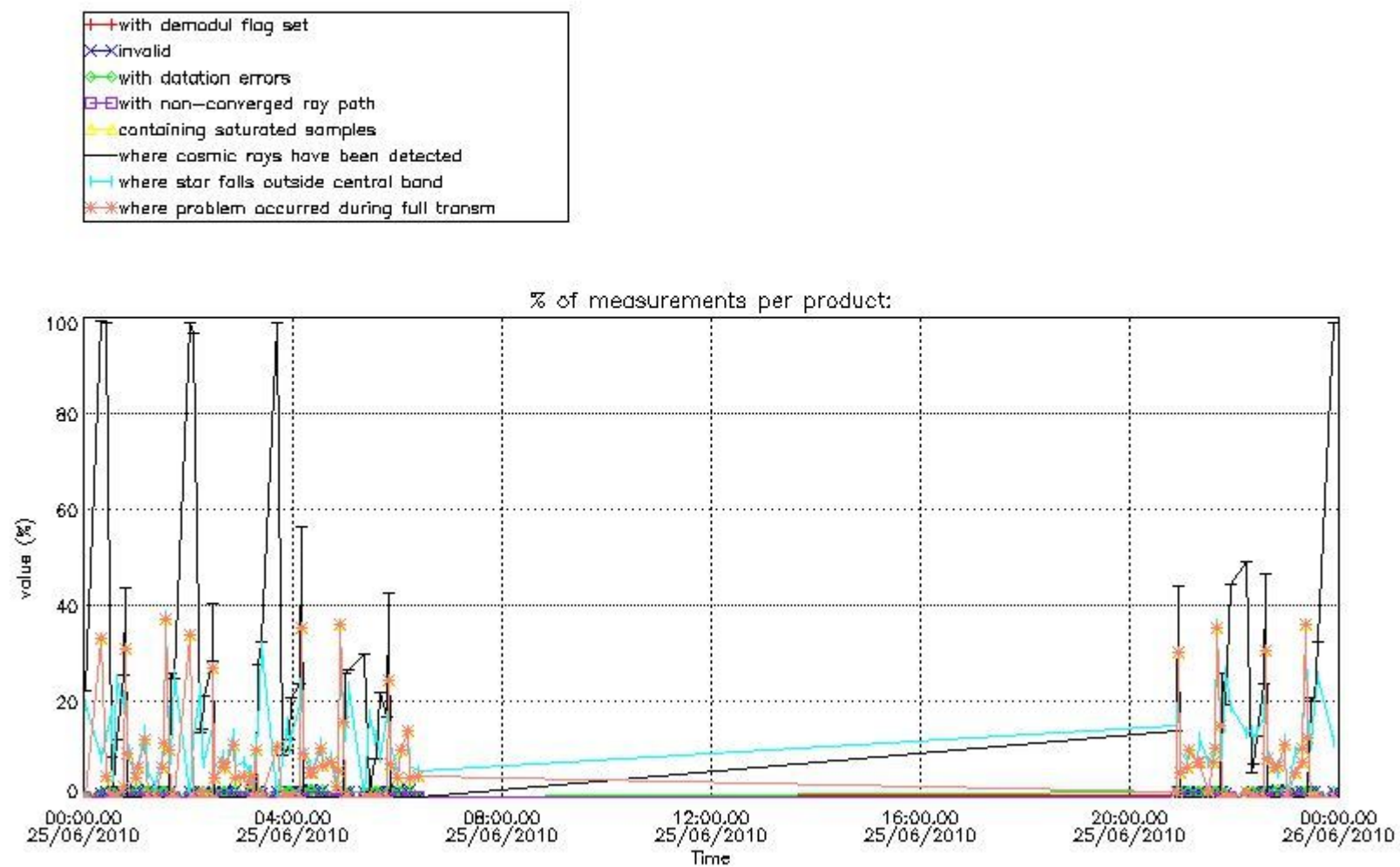
5. Demodulation flag and quality information monitoring

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.

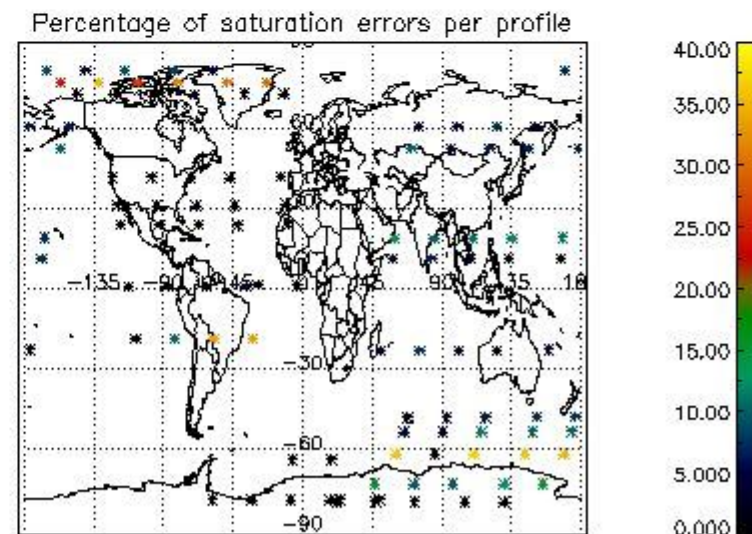
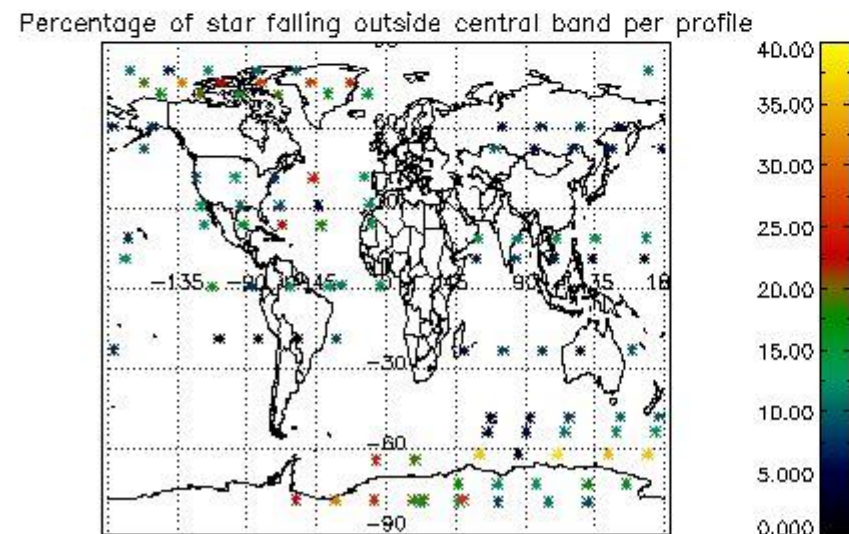
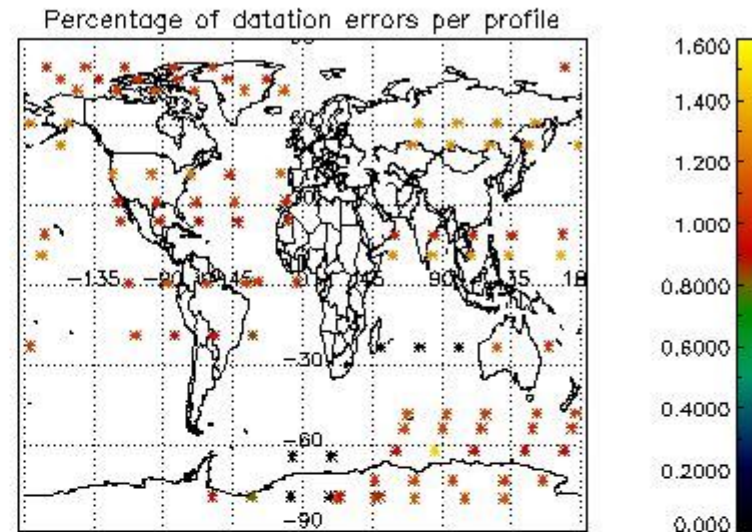
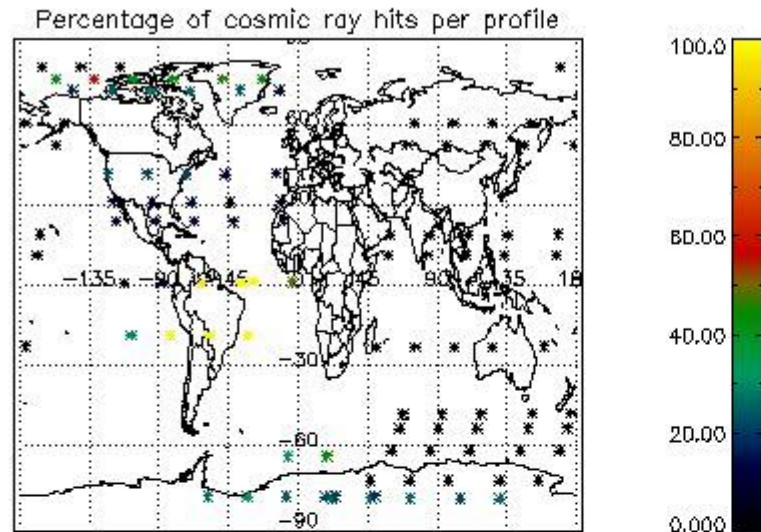
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	38.6792 %
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)



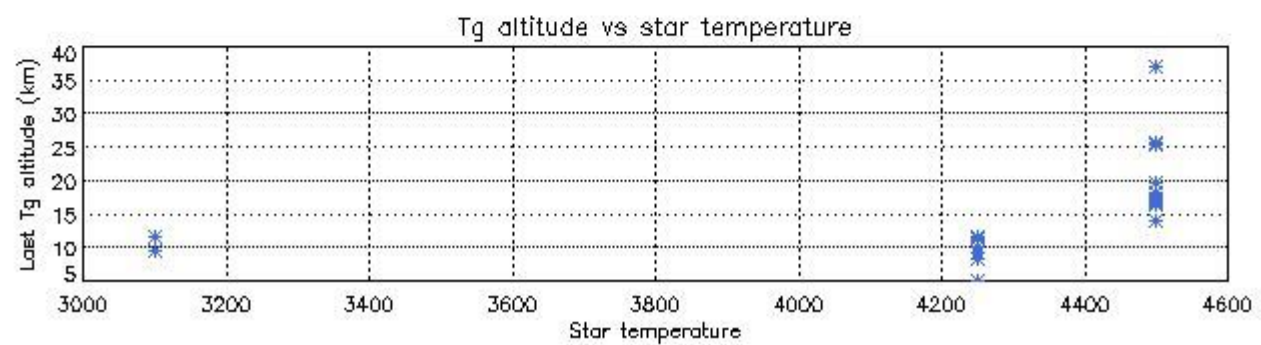
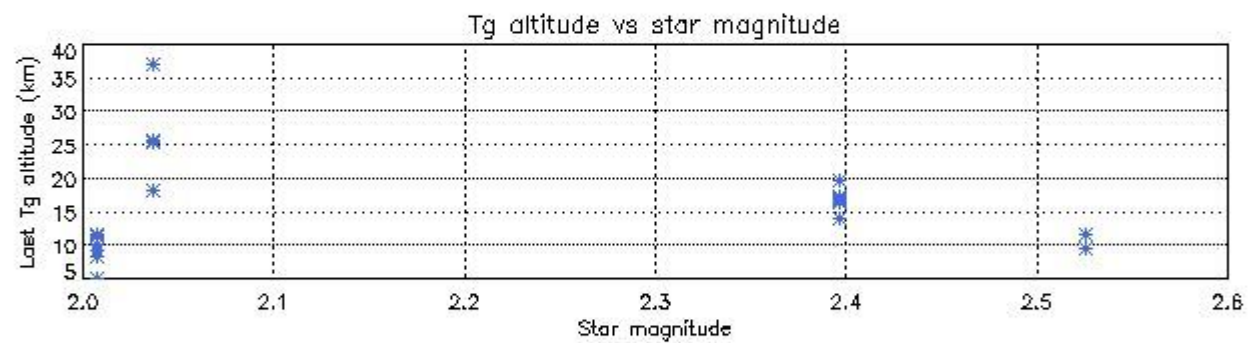
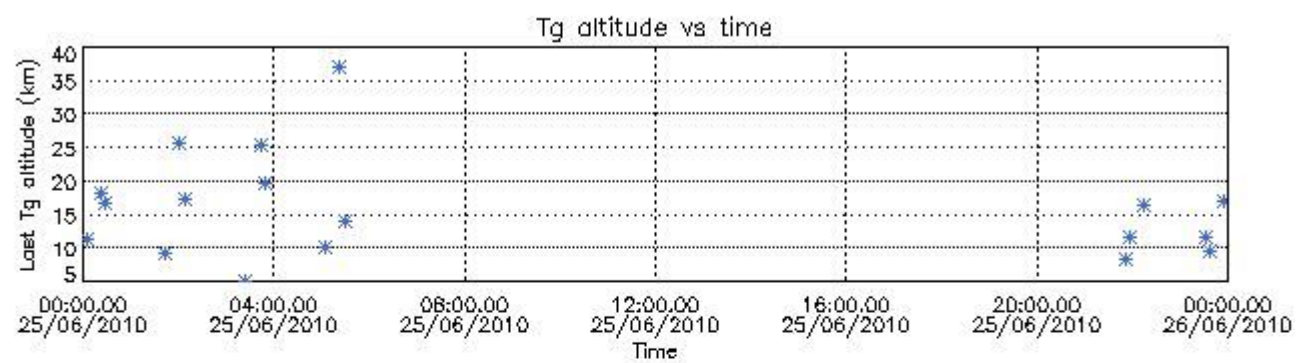
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.769	17.418	NaN
St. deviation:	7.6980	5.4539	NaN
Maximum:	36.957	29.359	NaN
Minimum:	5.0910	4.3066	NaN
Number of data:	18.000	62.000	NaN

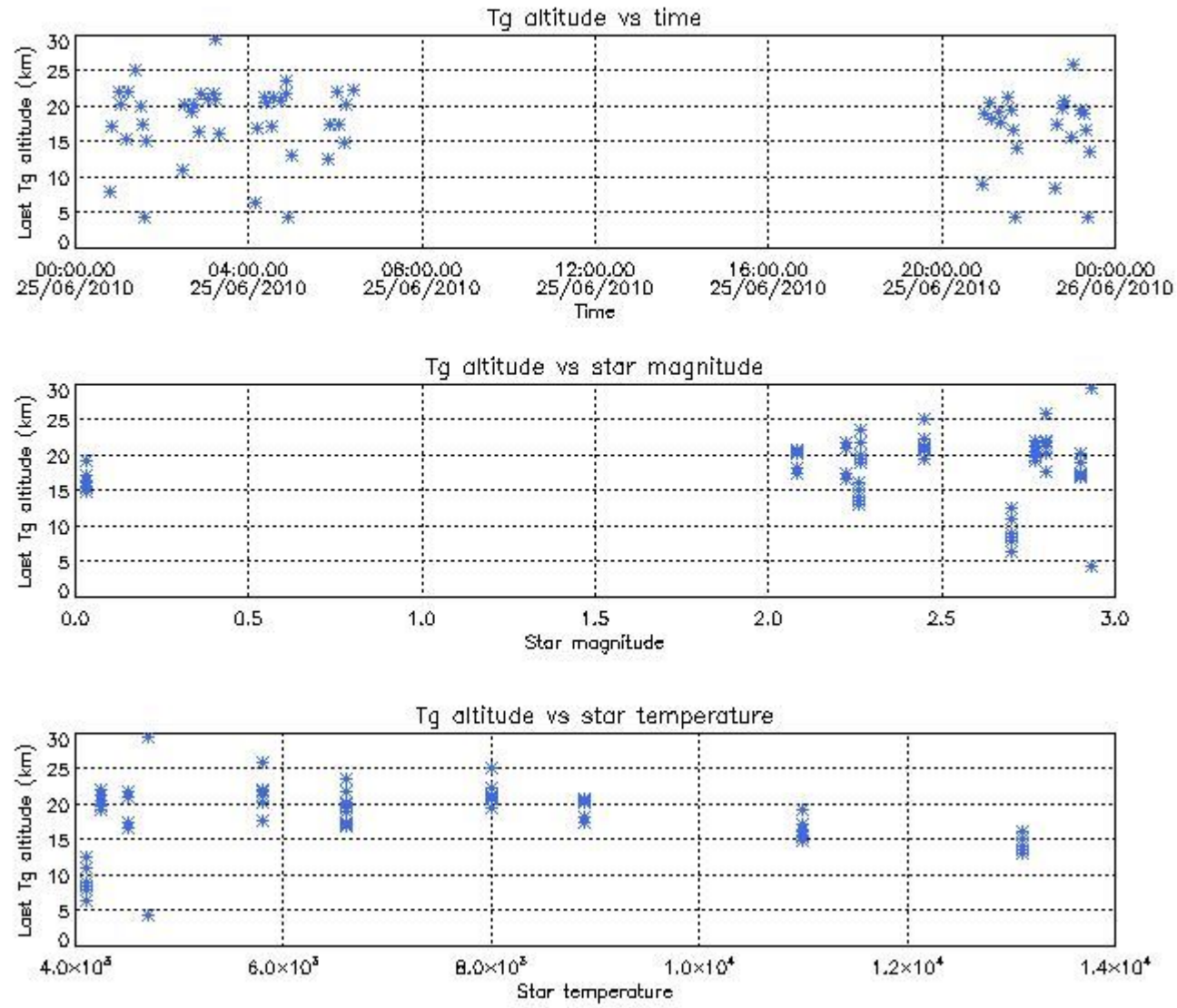
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

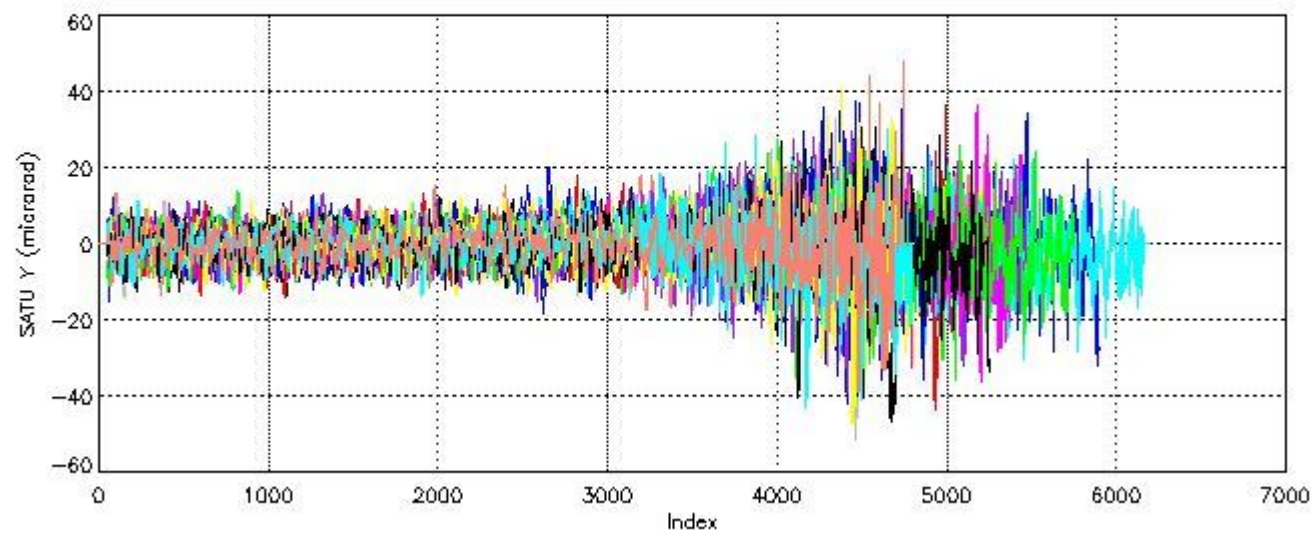
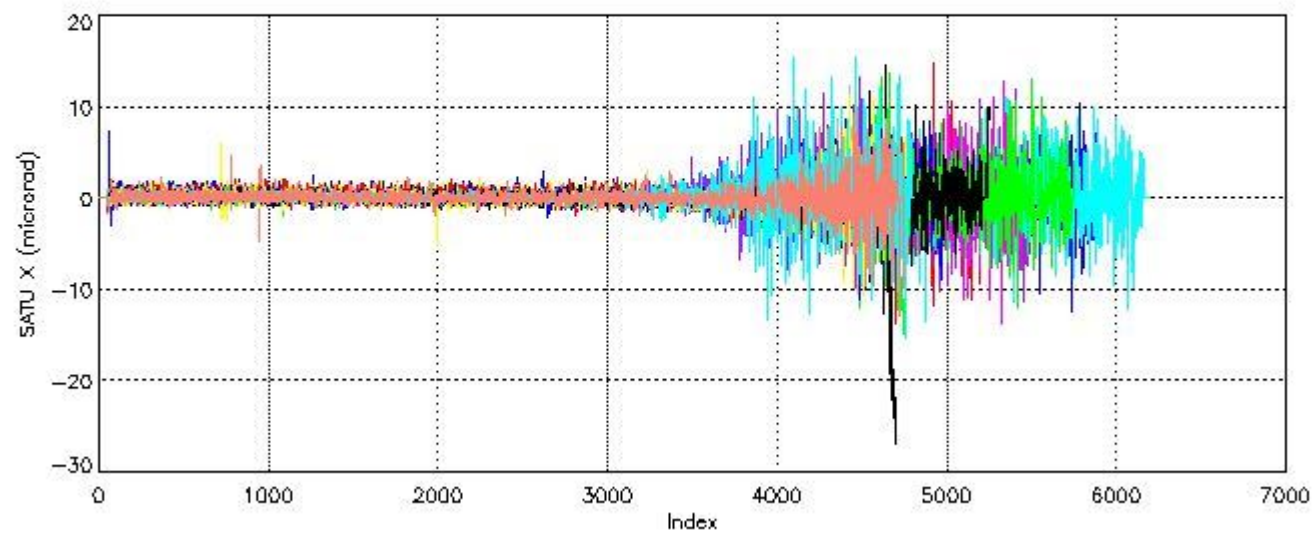


7. Star Acquisition and Tracking Unit (SATU)

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:	0.21546	-0.50234	0.21375	-0.57125
St. deviation:	0.41676	3.9224	0.69169	3.7457
Maximum:	7.3000	13.900	4.1000	15.200
Minimum:	-4.8000	-15.500	-4.1000	-16.500

Number of data:	20000.	20000.	63850.	63850.
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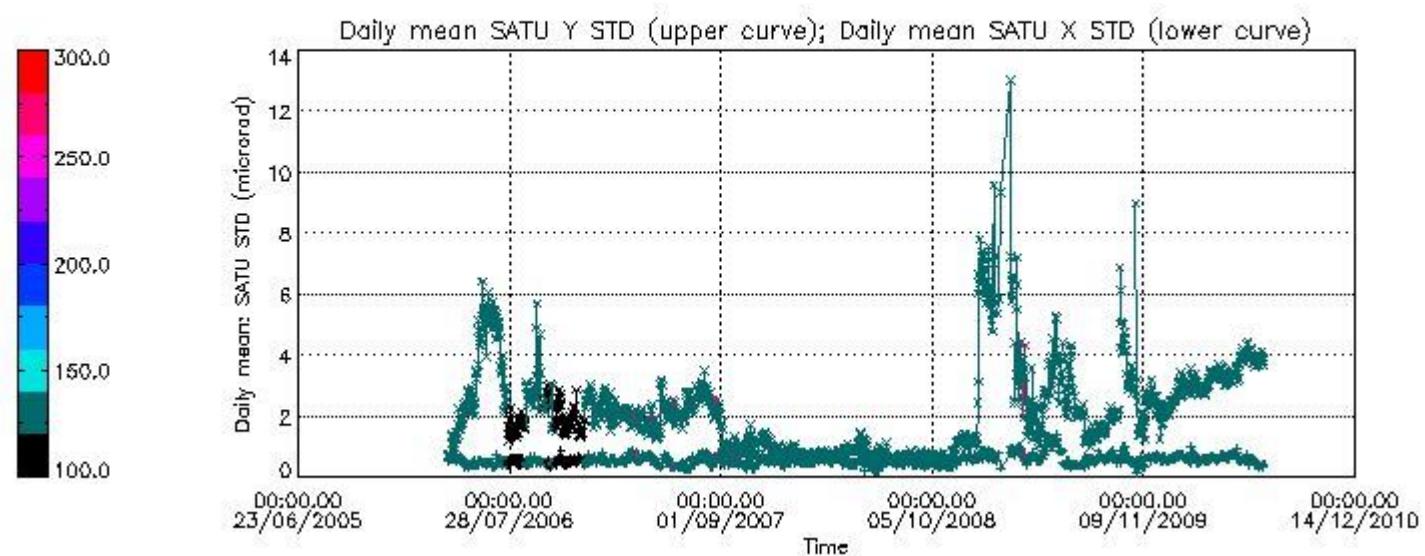
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

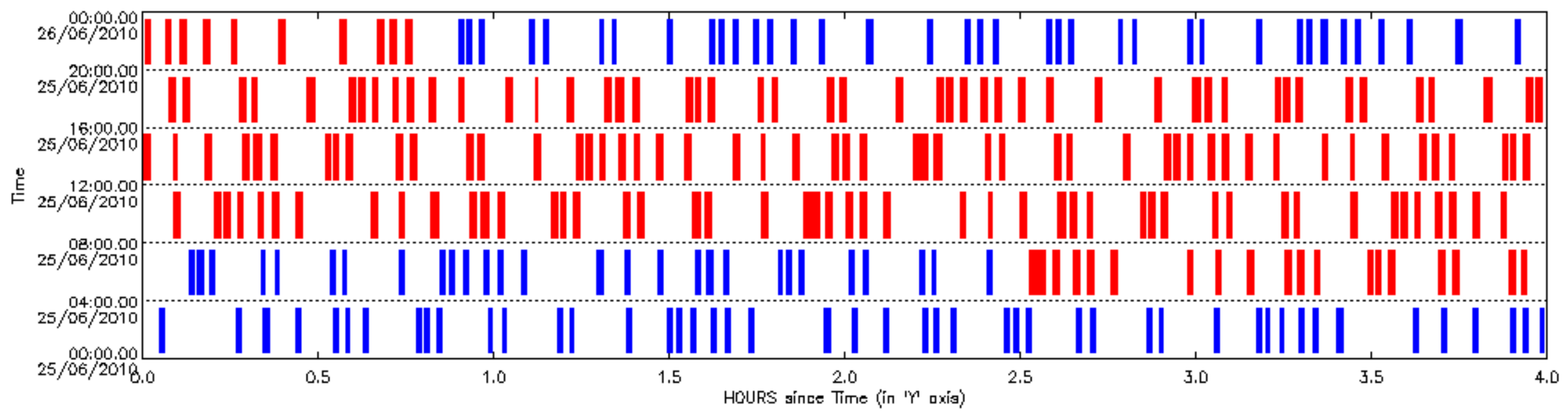
Lower curve: STD of SATU X axis

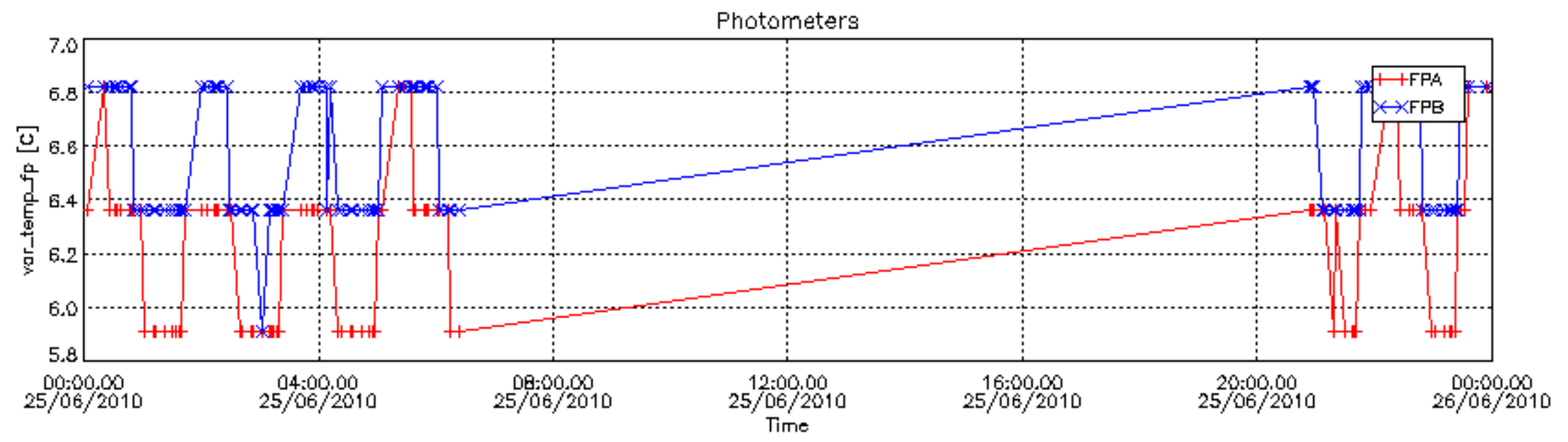
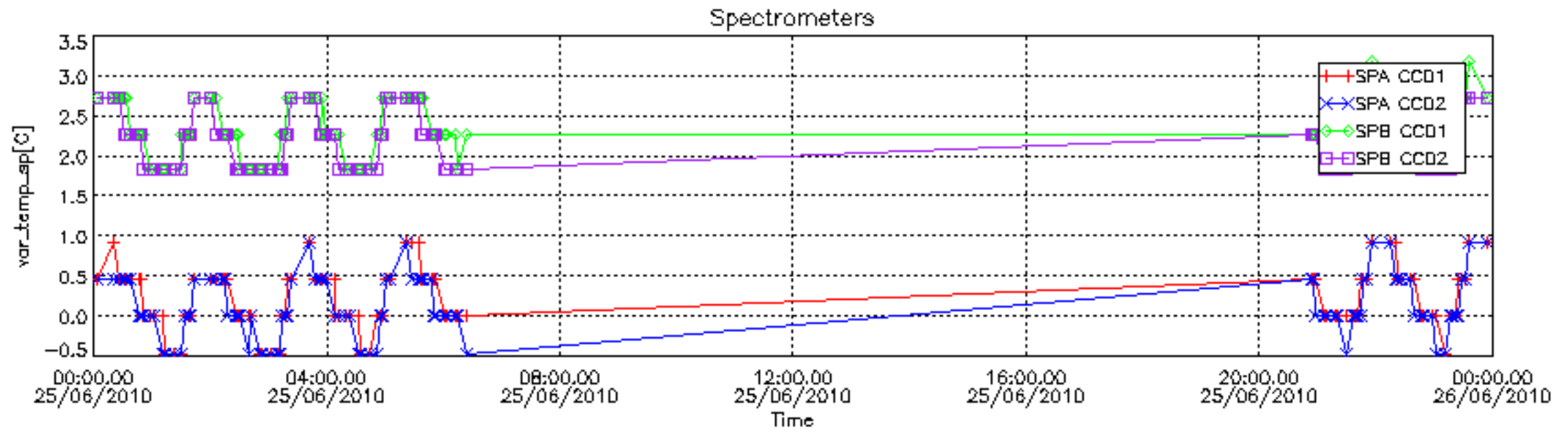


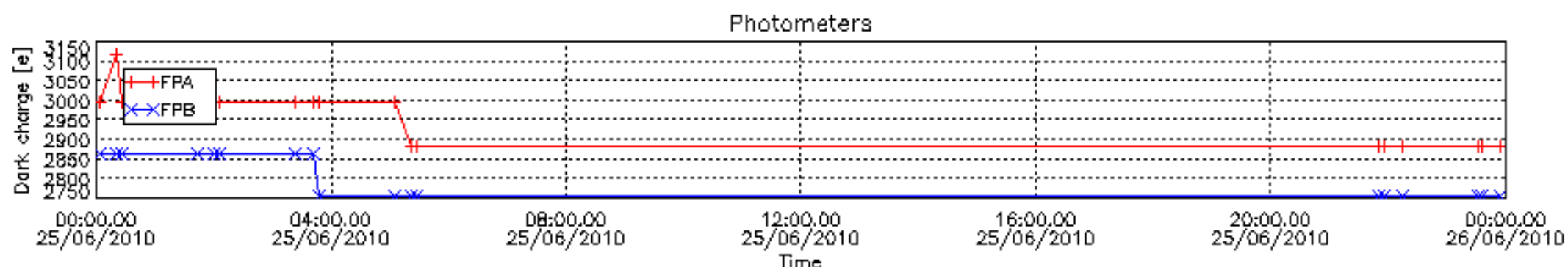
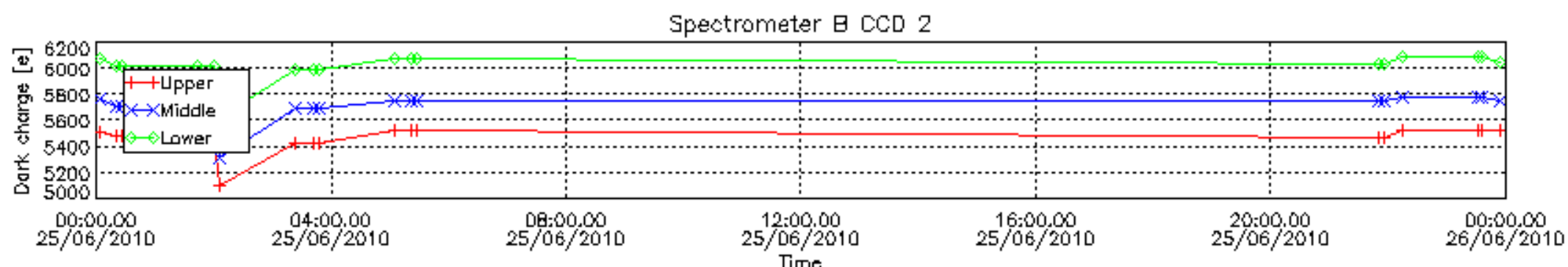
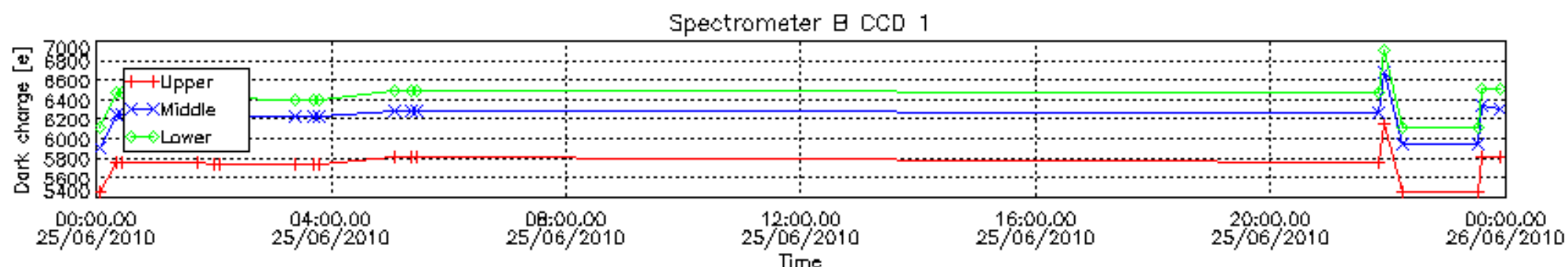
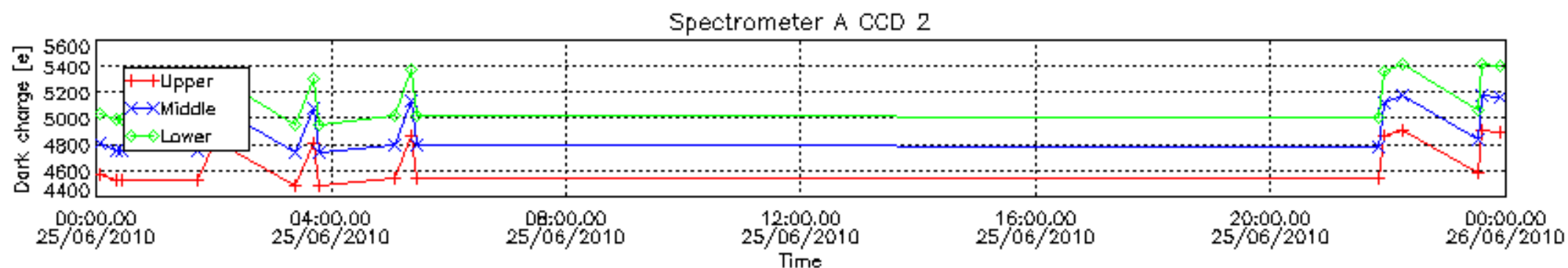
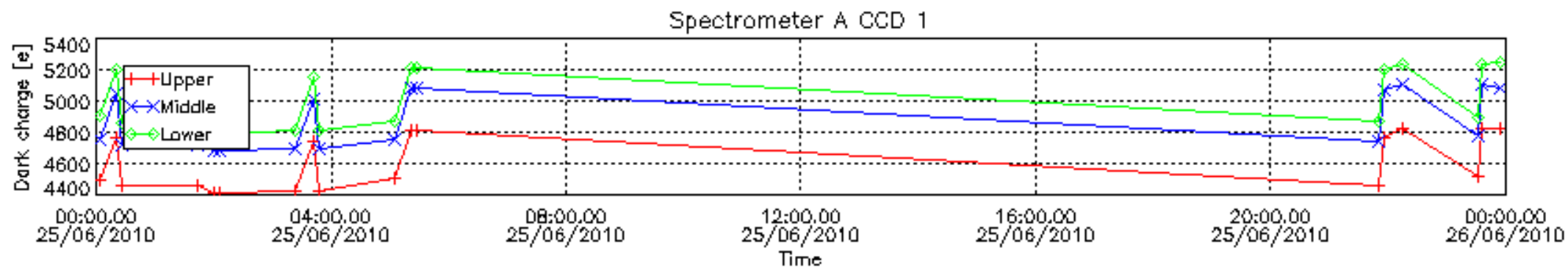
8. Auxiliary Data Files used for the production reported in section 2.4

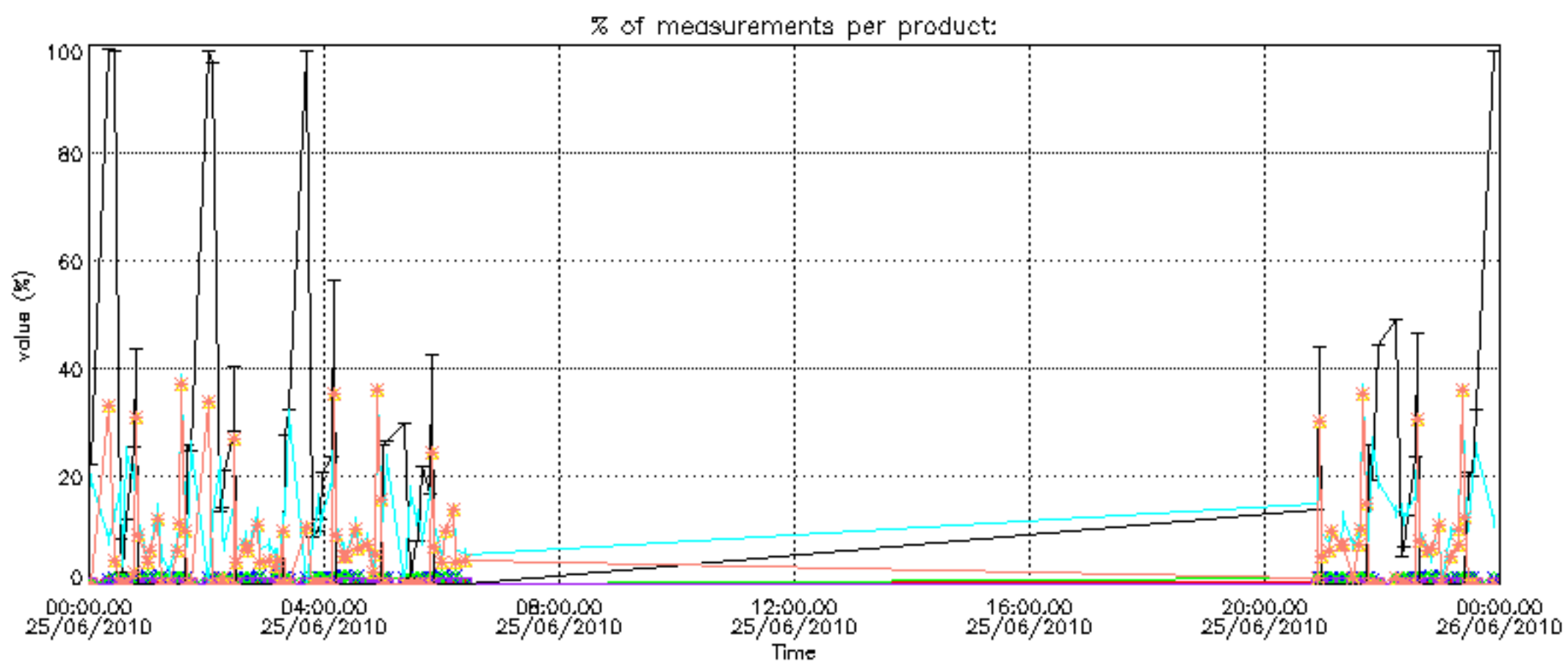
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	25-JUN-2010 00:02:50
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100624_124126_20100622_000000_20500101_000000	1	25-JUN-2010 00:02:50
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	25-JUN-2010 00:02:50
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	25-JUN-2010 00:02:50
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	25-JUN-2010 00:02:50
ECMWF_FILE	AUX_ECF_AXNECM20100624_054115_20100624_210000_20100625_090000	1	25-JUN-2010 00:02:50
ECMWF_FILE	AUX_ECF_AXNECM20100624_172314_20100625_030000_20100625_150000	34	25-JUN-2010 03:10:17
ECMWF_FILE	AUX_ECA_AXNECM20100625_052116_20100624_210000_20100625_090000	53	25-JUN-2010 04:50:53
ECMWF_FILE	AUX_ECF_AXNECM20100625_054115_20100625_150000_20100626_030000	72	25-JUN-2010 20:53:58
ECMWF_FILE	AUX_ECF_AXNECM20100625_054115_20100625_210000_20100626_090000	87	25-JUN-2010 22:14:04
OPTIONAL_ECMWF_FILE	MISSING	1	25-JUN-2010 00:02:50
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100624_222909_000057382090_00344_43484_0620.N1	1	25-JUN-2010 00:02:50
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100625_001006_000057382090_00345_43485_0621.N1	2	25-JUN-2010 00:20:38
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100625_015103_000041442090_00346_43486_0622.N1	21	25-JUN-2010 02:01:15
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100625_030526_000057382090_00347_43487_0623.N1	34	25-JUN-2010 03:10:17
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100625_044623_000057382090_00348_43488_0624.N1	53	25-JUN-2010 04:50:53
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100625_204804_000038252090_00358_43498_0625.N1	72	25-JUN-2010 20:53:58
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100625_211212_20100624_192407_20100704_205020	87	25-JUN-2010 22:14:04

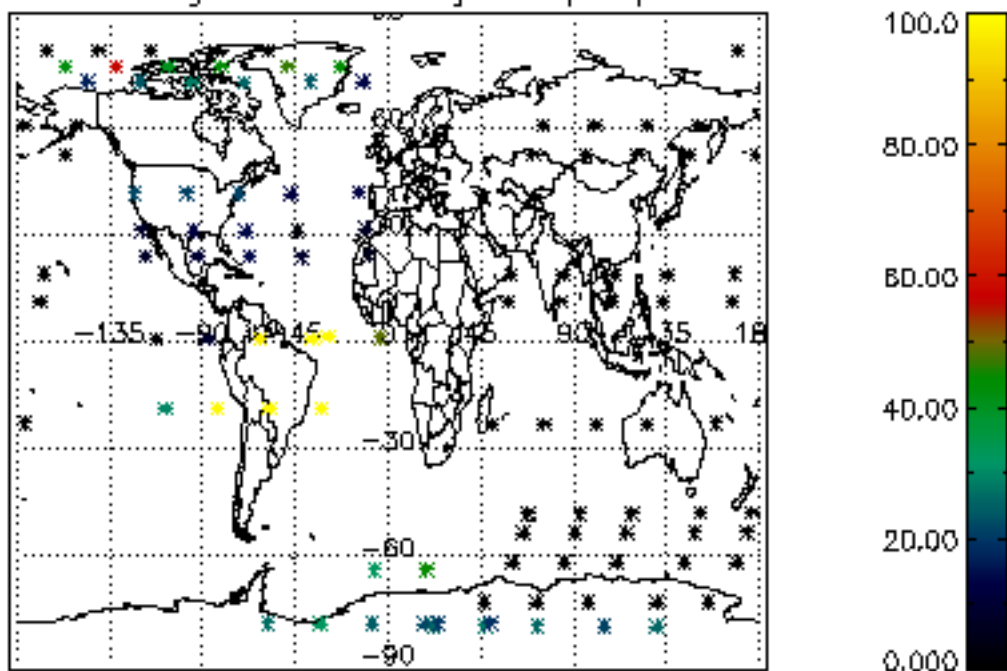




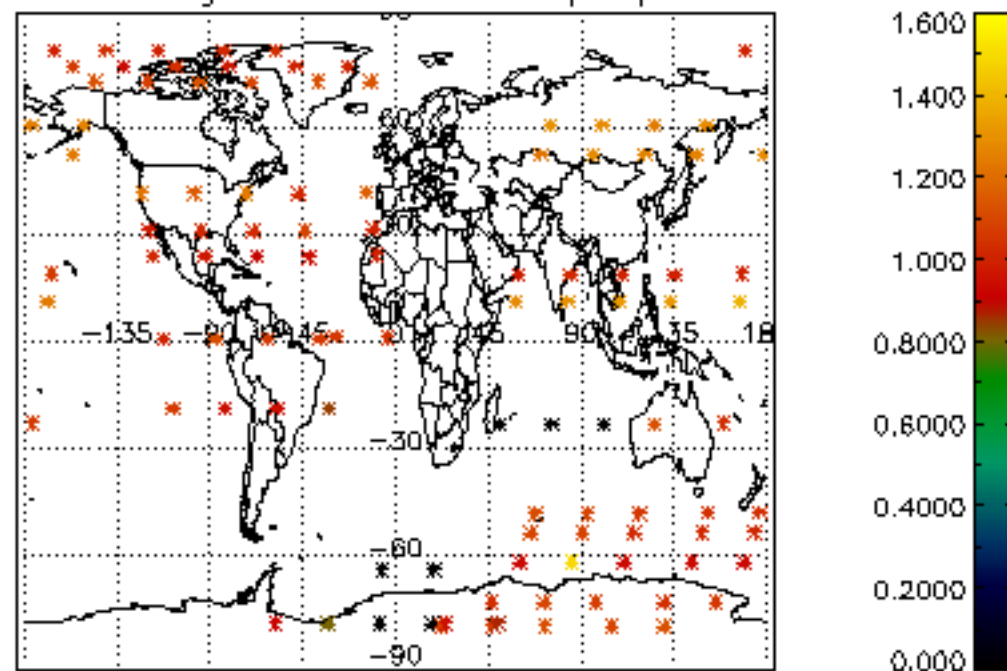




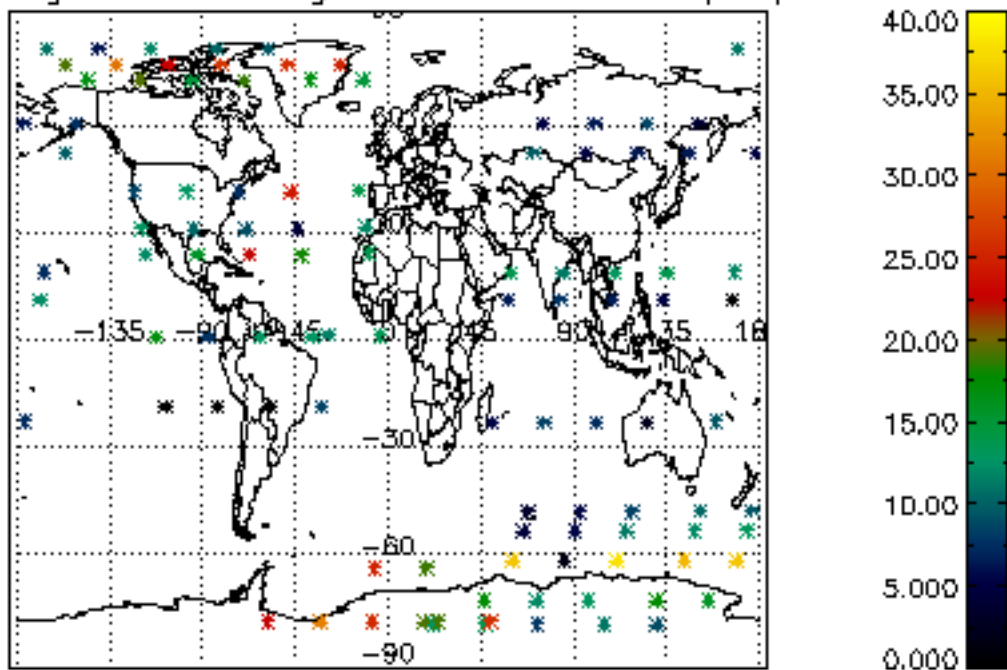
Percentage of cosmic ray hits per profile



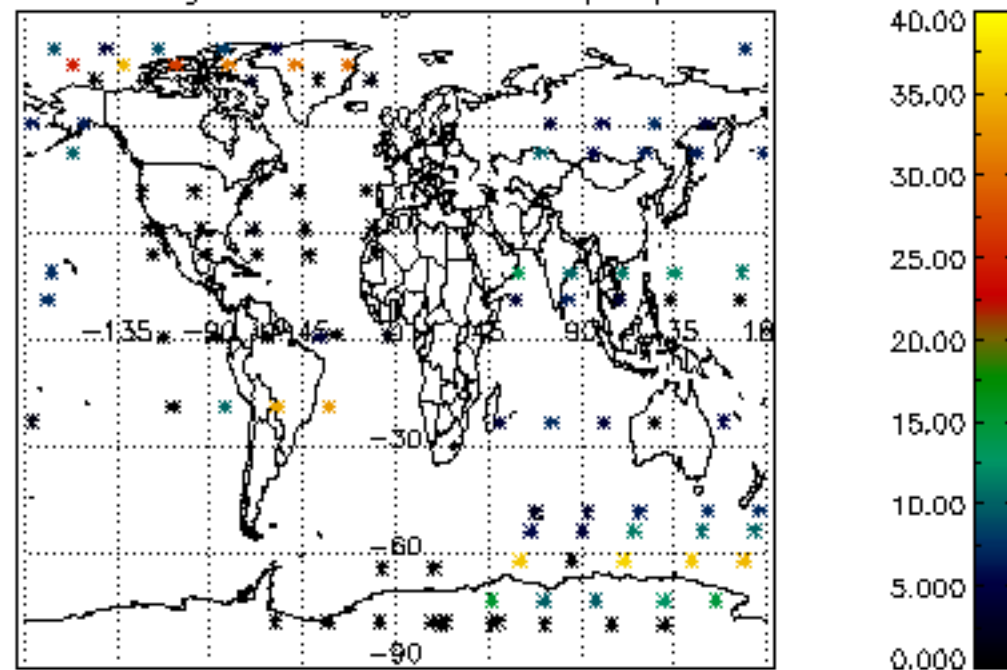
Percentage of datation errors per profile



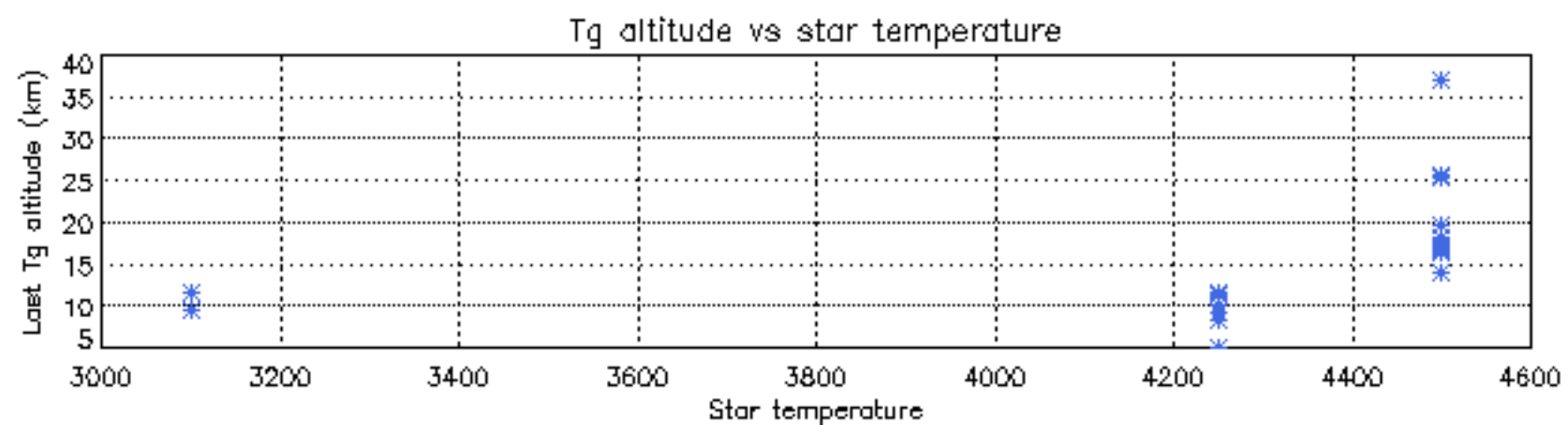
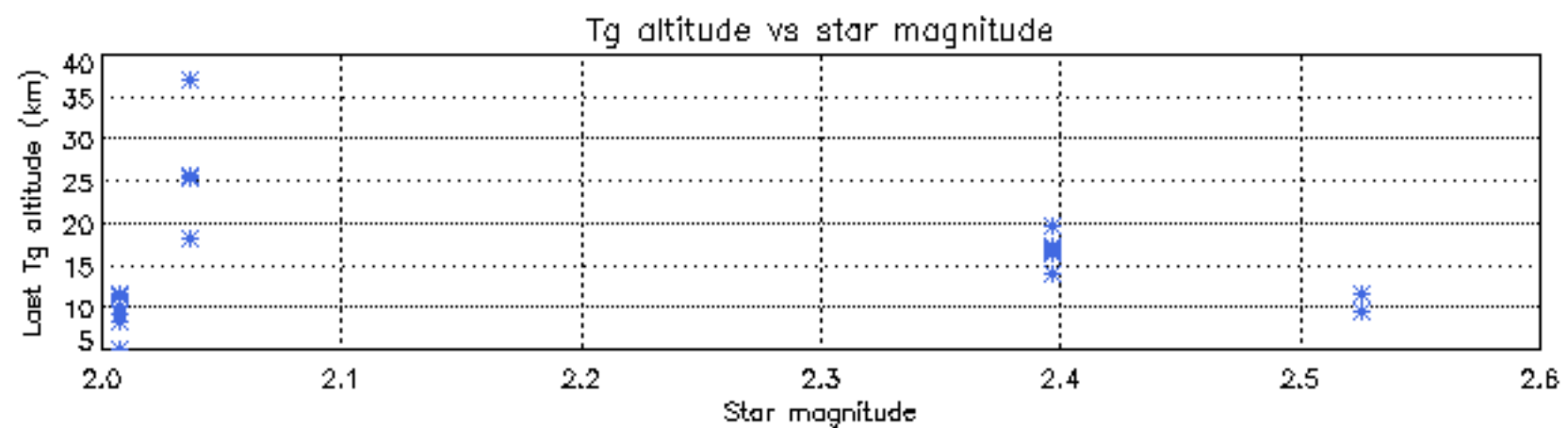
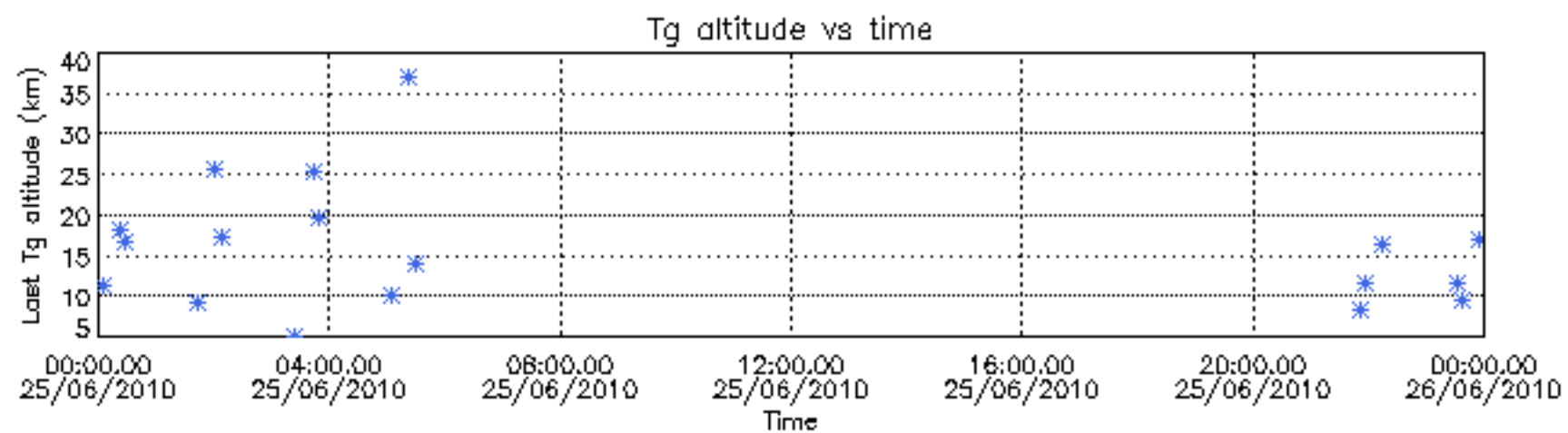
Percentage of star falling outside central band per profile



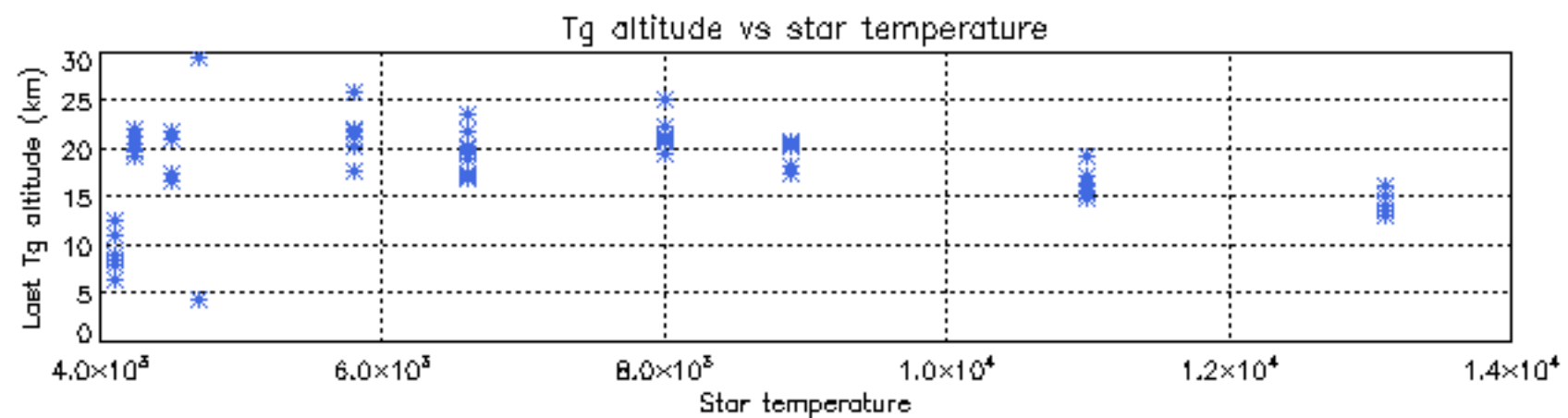
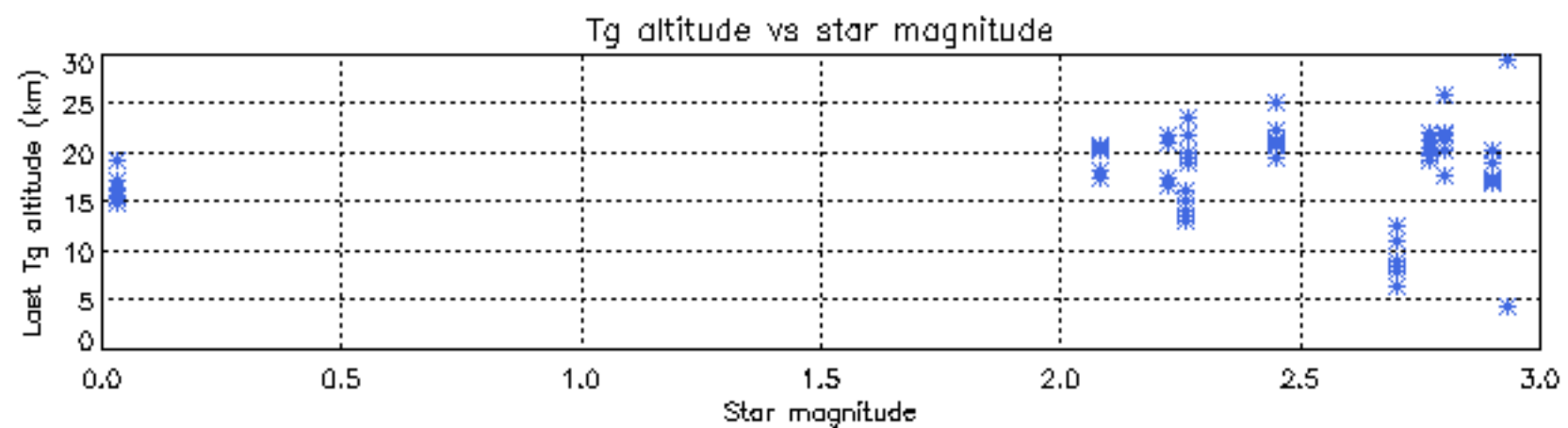
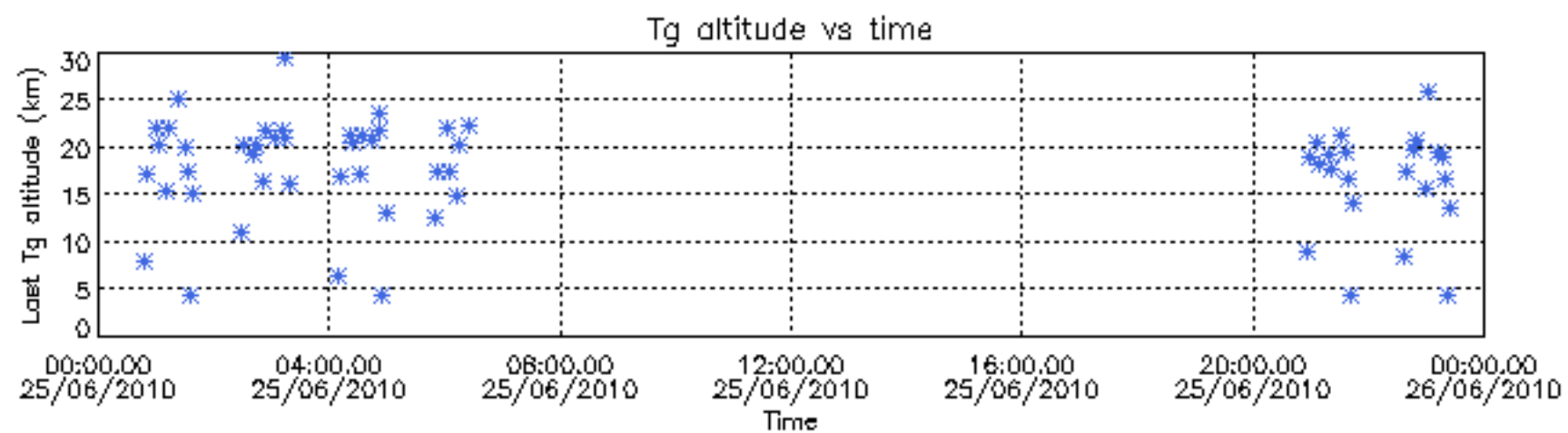
Percentage of saturation errors per profile

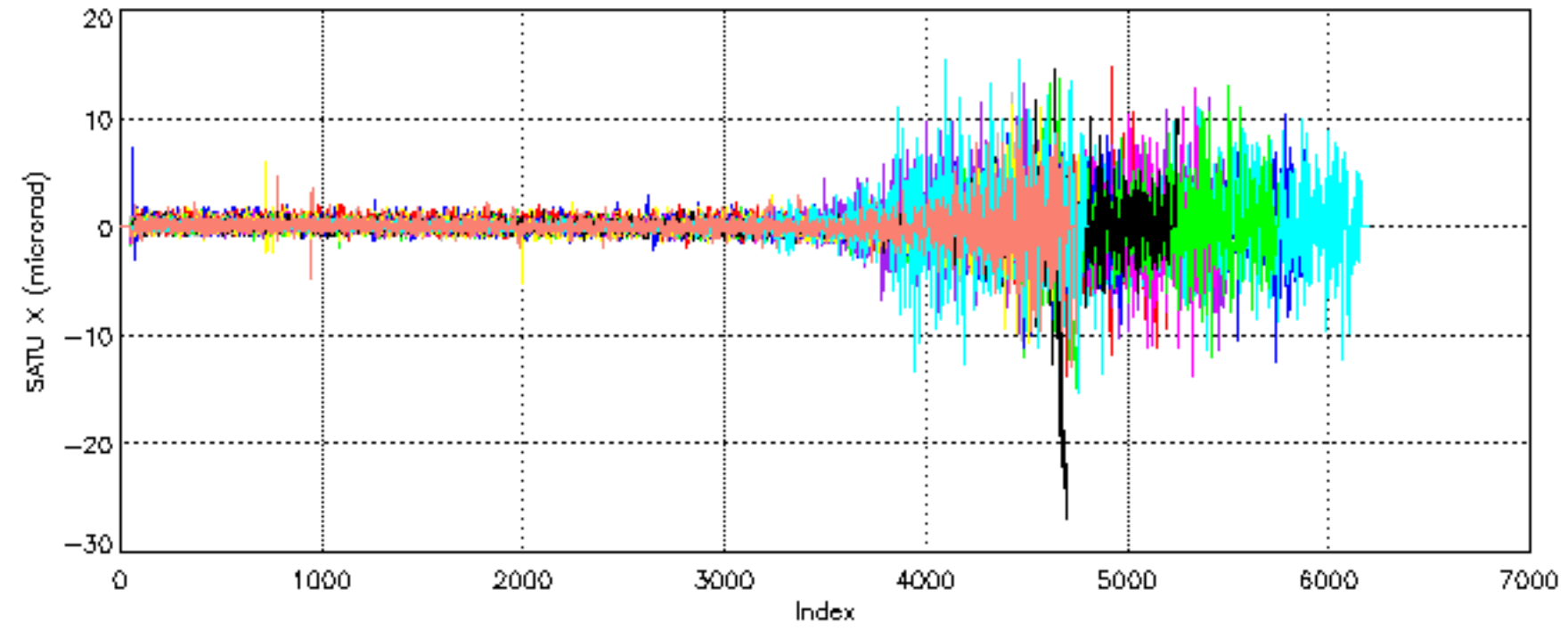


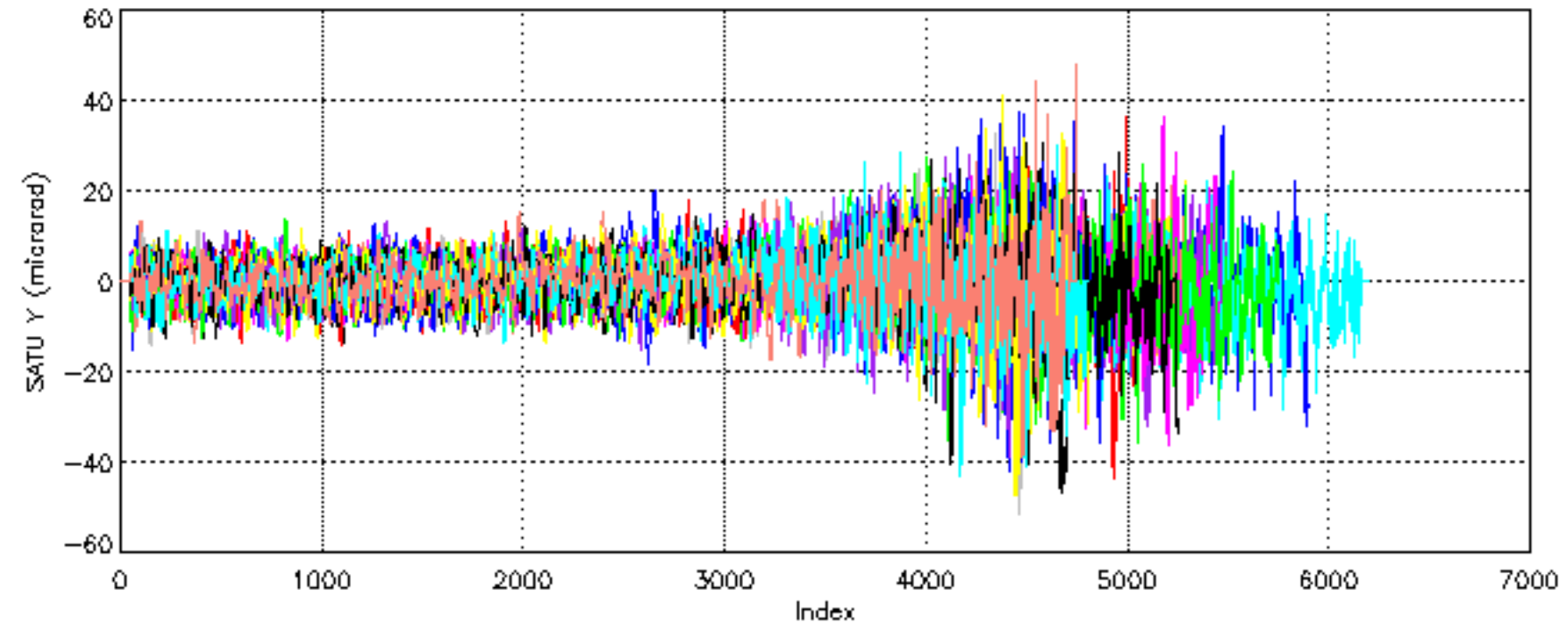
Tangent altitude at which the star is lost

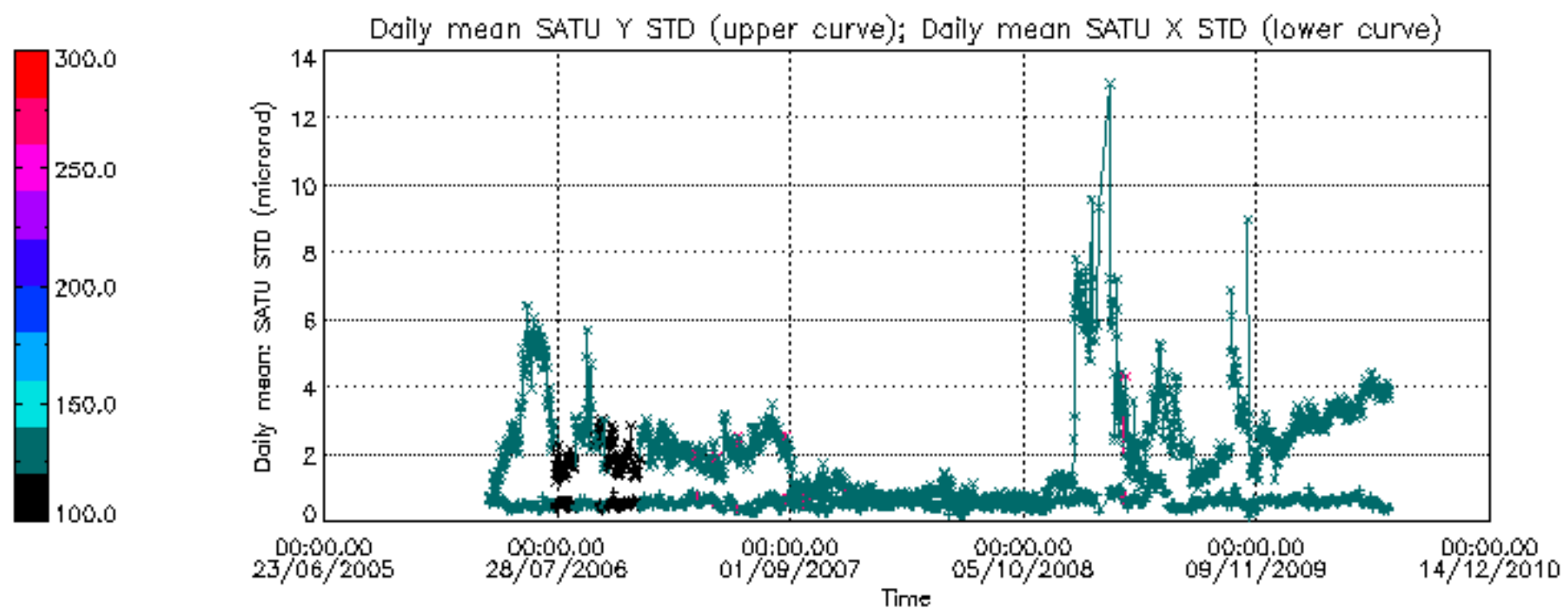


Tangent altitude at which the star is lost









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 6; 933.8; 01-JUN-2010 01:36:05; Dark ; 40.0; 147; Alp Ara ; 2.88; 26000;occ; 80; 0;43143
 7; 1034.9; 01-JUN-2010 01:37:46; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43143
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 18; 3005.3; 01-JUN-2010 02:10:37; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;43143
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 23; 4851.4; 01-JUN-2010 02:41:23; Dark ; 51.5; 140; 88Gam Peg ; 2.83; 26000;occ; 103; 0;43143
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 3; 2014.2; 03-JUN-2010 07:33:15; Bright; 36.0; 102; 24Alp Ser ; 2.60; 4250;occ; 72; 0;43175
 4; 2312.6; 03-JUN-2010 07:38:14; Bright; 41.5; 127; 27Bet Her ; 2.78; 4700;occ; 83; 0;43175
 5; 2514.6; 03-JUN-2010 07:41:36; Bright; 40.5; 133; 40Zet Her ; 2.81; 6000;occ; 81; 0;43175
 6; 2996.6; 03-JUN-2010 07:49:38; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;43175
 7; 3611.0; 03-JUN-2010 07:59:52; Bright; 31.0; 89; 5Alp Cep ; 2.45; 8000;occ; 62; 0;43175
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 9; 4396.6; 03-JUN-2010 08:12:58; Bright; 46.5; 53; 43Bet And ; 2.05; 3300;occ; 93; 0;43175
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 11; 5308.7; 03-JUN-2010 08:28:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43175
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 17; 6544.7; 03-JUN-2010 08:48:46; Dark ; 44.5; 45; Alp Pav ; 1.94; 26000;occ; 89; 0;43176
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 7; 3609.7; 03-JUN-2010 11:21:03; Bright; 30.0; 89; 5Alp Cep ; 2.45; 8000;occ; 60; 0;43177
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13; 3925.2; 03-JUN-2010 19:49:18; Bright; 36.5; 76; 27Gam Cas ; 2.30; 30000;occ; 73; 0;43182
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12; 4603.4; 10-JUN-2010 12:58:05; Dark ; 48.0; 50; 13Alp Ari ; 2.01; 4250;occ; 96; 0;43278
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4; 2187.7; 10-JUN-2010 15:39:01; Bright; 48.5; 59; 55Alp Oph ; 2.08; 8900;occ; 97; 0;43280
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6; 2476.5; 10-JUN-2010 15:43:50; Bright; 39.5; 133; 40Zet Her ; 2.81; 6000;occ; 79; 0;43280

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12; 4603.8; 10-JUN-2010 16:19:17; Dark ; 47.5; 50; 13Alp Ari ; 2.01; 4250;occ; 95; 0;43280
13; 5377.0; 10-JUN-2010 16:32:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43280
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5; 2187.4; 10-JUN-2010 17:19:37; Bright; 50.0; 59; 55Alp Oph ; 2.08; 8900;occ; 100; 0;43281
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 22; 6541.6; 15-JUN-2010 19:15:18; Dark ; 47.0; 172; Gam Gru ; 3.00; 13100;occ; 94; 0;43354
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13; 4411.6; 16-JUN-2010 18:08:11; Dark ; 60.5; 53; 43Bet And ; 2.05; 3300;occ; 121; 0;43367
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 2; 1619.7; 19-JUN-2010 15:46:48; Bright; 39.5; 86; 35Eta Oph ; 2.43; 10200;occ; 79; 0;43409
 3; 1996.8; 19-JUN-2010 15:53:05; Bright; 42.0; 126; 60Bet Oph ; 2.77; 4250;occ; 84; 0;43409
 4; 2144.5; 19-JUN-2010 15:55:33; Bright; 41.5; 59; 55Alp Oph ; 2.08; 8900;occ; 83; 0;43409
 5; 2274.1; 19-JUN-2010 15:57:42; Bright; 37.0; 127; 27Bet Her ; 2.78; 4700;occ; 74; 0;43409
 6; 2451.4; 19-JUN-2010 16:00:40; Bright; 37.0; 133; 40Zet Her ; 2.81; 6000;occ; 74; 0;43409
 7; 2849.2; 19-JUN-2010 16:07:17; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;43409
 8; 2955.8; 19-JUN-2010 16:09:04; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;43409
 9; 3457.2; 19-JUN-2010 16:17:25; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;43409
 10; 3859.4; 19-JUN-2010 16:24:08; Bright; 65.0; 74; 11Bet Cas ; 2.27; 6600;occ; 130; 0;43409
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 12; 4064.0; 19-JUN-2010 16:27:32; Bright; 33.0; 160; 23Gam Per ; 2.93; 4700;occ; 66; 0;43409
 13; 4270.6; 19-JUN-2010 16:30:59; Bright; 43.5; 73; 57Gam1And ; 2.26; 13100;occ; 87; 0;43409
 14; 4410.6; 19-JUN-2010 16:33:19; Dark ; 46.0; 173; 4Bet Tri ; 3.00; 8900;occ; 92; 0;43409
 15; 4632.6; 19-JUN-2010 16:37:01; Dark ; 47.0; 50; 13Alp Ari ; 2.01; 4250;occ; 94; 0;43409
 16; 5383.0; 19-JUN-2010 16:49:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43409
 17; 5620.5; 19-JUN-2010 16:53:29; Dark ; 60.0; 52; 16Bet Cet ; 2.04; 4500;occ; 120; 0;43409
 18; 5978.2; 19-JUN-2010 16:59:26; Dark ; 54.5; 84; Alp Phe ; 2.40; 4500;occ; 109; 0;43409
 19; 6360.2; 19-JUN-2010 17:05:48; Dark ; 50.0; 63; Bet Gru ; 2.15; 2800;occ; 100; 0;43410
 20; 6483.3; 19-JUN-2010 17:07:51; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;43410
 21; 6693.0; 19-JUN-2010 17:11:21; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43410

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 3; 1619.9; 19-JUN-2010 17:27:24; Bright; 40.0; 86; 35Eta Oph ; 2.43; 10200;occ; 80; 0;43410
 4; 1996.5; 19-JUN-2010 17:33:41; Bright; 41.5; 126; 60Bet Oph ; 2.77; 4250;occ; 83; 0;43410
 5; 2144.2; 19-JUN-2010 17:36:08; Bright; 45.5; 59; 55Alp Oph ; 2.08; 8900;occ; 91; 0;43410
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 7; 2451.3; 19-JUN-2010 17:41:15; Bright; 40.0; 133; 40Zet Her ; 2.81; 6000;occ; 80; 0;43410
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 9; 2955.8; 19-JUN-2010 17:49:40; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;43410
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 11; 3859.1; 19-JUN-2010 18:04:43; Bright; 65.0; 74; 11Bet Cas ; 2.27; 6600;occ; 130; 0;43410
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 13; 4064.0; 19-JUN-2010 18:08:08; Bright; 53.0; 160; 23Gam Per ; 2.93; 4700;occ; 106; 0;43410
 14; 4270.6; 19-JUN-2010 18:11:35; Bright; 43.0; 73; 57Gam1And ; 2.26; 13100;occ; 86; 0;43410
 15; 4410.4; 19-JUN-2010 18:13:55; Dark ; 43.5; 173; 4Bet Tri ; 3.00; 8900;occ; 87; 0;43410
 16; 4632.9; 19-JUN-2010 18:17:37; Dark ; 49.0; 50; 13Alp Ari ; 2.01; 4250;occ; 98; 0;43410
 17; 5383.6; 19-JUN-2010 18:30:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43410
 18; 5621.5; 19-JUN-2010 18:34:06; Dark ; 61.0; 52; 16Bet Cet ; 2.04; 4500;occ; 122; 0;43410
 19; 5979.0; 19-JUN-2010 18:40:03; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;43410
 20; 6361.0; 19-JUN-2010 18:46:25; Dark ; 50.0; 63; Bet Gru ; 2.15; 2800;occ; 100; 0;43411
 21; 6484.3; 19-JUN-2010 18:48:28; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;43411
 22; 6693.4; 19-JUN-2010 18:51:57; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43411

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 3; 1620.2; 19-JUN-2010 19:08:00; Bright; 39.0; 86; 35Eta Oph ; 2.43; 10200;occ; 78; 0;43411
 4; 1996.7; 19-JUN-2010 19:14:17; Bright; 42.5; 126; 60Bet Oph ; 2.77; 4250;occ; 85; 0;43411
 5; 2144.0; 19-JUN-2010 19:16:44; Bright; 42.0; 59; 55Alp Oph ; 2.08; 8900;occ; 84; 0;43411
 6; 2274.0; 19-JUN-2010 19:18:54; Bright; 36.5; 127; 27Bet Her ; 2.78; 4700;occ; 73; 0;43411
 7; 2451.1; 19-JUN-2010 19:21:51; Bright; 36.0; 133; 40Zet Her ; 2.81; 6000;occ; 72; 0;43411
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 9; 2955.8; 19-JUN-2010 19:30:16; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;43411
 10; 3455.7; 19-JUN-2010 19:38:36; Bright; 48.5; 89; 5Alp Cep ; 2.45; 8000;occ; 97; 0;43411
 11; 3858.8; 19-JUN-2010 19:45:19; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 0;43411
 12; 3946.2; 19-JUN-2010 19:46:46; Bright; 43.5; 68; 18Alp Cas ; 2.22; 4500;occ; 87; 0;43411
 13; 4064.0; 19-JUN-2010 19:48:44; Bright; 34.5; 160; 23Gam Per ; 2.93; 4700;occ; 69; 0;43411
 14; 4270.4; 19-JUN-2010 19:52:10; Bright; 41.5; 73; 57Gam1And ; 2.26; 13100;occ; 83; 0;43411
 15; 4410.7; 19-JUN-2010 19:54:31; Dark ; 41.5; 173; 4Bet Tri ; 3.00; 8900;occ; 83; 0;43411
 16; 4632.9; 19-JUN-2010 19:58:13; Dark ; 48.5; 50; 13Alp Ari ; 2.01; 4250;occ; 97; 0;43411
 17; 5384.1; 19-JUN-2010 20:10:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43411
 18; 5622.9; 19-JUN-2010 20:14:43; Dark ; 65.0; 52; 16Bet Cet ; 2.04; 4500;occ; 130; 0;43411
 19; 5979.8; 19-JUN-2010 20:20:40; Dark ; 56.0; 84; Alp Phe ; 2.40; 4500;occ; 112; 0;43411
 20; 6362.1; 19-JUN-2010 20:27:02; Dark ; 56.0; 63; Bet Gru ; 2.15; 2800;occ; 112; 0;43412
 21; 6485.0; 19-JUN-2010 20:29:05; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;43412
 22; 6694.1; 19-JUN-2010 20:32:34; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43412

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 3; 1620.0; 19-JUN-2010 20:48:36; Bright; 39.5; 86; 35Eta Oph ; 2.43; 10200;occ; 79; 0;43412
 4; 1996.2; 19-JUN-2010 20:54:52; Bright; 41.5; 126; 60Bet Oph ; 2.77; 4250;occ; 83; 0;43412
 5; 2143.6; 19-JUN-2010 20:57:20; Bright; 42.0; 59; 55Alp Oph ; 2.08; 8900;occ; 84; 0;43412
 6; 2274.1; 19-JUN-2010 20:59:30; Bright; 36.5; 127; 27Bet Her ; 2.78; 4700;occ; 73; 0;43412
 7; 2451.0; 19-JUN-2010 21:02:27; Bright; 36.0; 133; 40Zet Her ; 2.81; 6000;occ; 72; 0;43412
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 9; 2955.8; 19-JUN-2010 21:10:52; Bright; 53.0; 119; 14Eta Dra ; 2.73; 4700;occ; 106; 0;43412
 10; 3455.2; 19-JUN-2010 21:19:11; Bright; 49.0; 89; 5Alp Cep ; 2.45; 8000;occ; 98; 0;43412
 11; 3858.4; 19-JUN-2010 21:25:54; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;43412
 12; 3945.8; 19-JUN-2010 21:27:22; Bright; 45.5; 68; 18Alp Cas ; 2.22; 4500;occ; 91; 0;43412
 13; 4064.1; 19-JUN-2010 21:29:20; Bright; 53.0; 160; 23Gam Per ; 2.93; 4700;occ; 106; 0;43412
 14; 4270.3; 19-JUN-2010 21:32:46; Bright; 44.0; 73; 57Gam1And ; 2.26; 13100;occ; 88; 0;43412
 15; 4410.5; 19-JUN-2010 21:35:07; Dark ; 44.0; 173; 4Bet Tri ; 3.00; 8900;occ; 88; 0;43412
 16; 4633.3; 19-JUN-2010 21:38:49; Dark ; 51.0; 50; 13Alp Ari ; 2.01; 4250;occ; 102; 0;43412

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 3; -54.8; 19-JUN-2010 22:01:17; Dark ; 46.0; 84; Alp Phe ; 2.40; 4500;occ; 92; 0;43412
 4; 326.8; 19-JUN-2010 22:07:39; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;43413
 5; 449.9; 19-JUN-2010 22:09:42; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;43413
 6; 658.8; 19-JUN-2010 22:13:11; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43413
 7; 1225.1; 19-JUN-2010 22:22:37; Dark ; 48.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 97; 0;43413
 8; 1312.7; 19-JUN-2010 22:24:05; Dark ; 47.5; 116; 19Del Sgr ; 2.70; 4100;occ; 95; 0;43413
 9; 1620.3; 19-JUN-2010 22:29:12; Bright; 39.5; 86; 35Eta Oph ; 2.43; 10200;occ; 79; 0;43413
 10; 1996.1; 19-JUN-2010 22:35:28; Bright; 41.5; 126; 60Bet Oph ; 2.77; 4250;occ; 83; 0;43413
 11; 2143.4; 19-JUN-2010 22:37:55; Bright; 42.0; 59; 55Alp Oph ; 2.08; 8900;occ; 84; 0;43413
 12; 2273.9; 19-JUN-2010 22:40:06; Bright; 41.0; 127; 27Bet Her ; 2.78; 4700;occ; 82; 0;43413
 13; 2451.1; 19-JUN-2010 22:43:03; Bright; 40.0; 133; 40Zet Her ; 2.81; 6000;occ; 80; 0;43413
 14; 2848.0; 19-JUN-2010 22:49:40; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;43413
 15; 2955.6; 19-JUN-2010 22:51:28; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;43413
 16; 3454.3; 19-JUN-2010 22:59:46; Bright; 48.5; 89; 5Alp Cep ; 2.45; 8000;occ; 97; 0;43413
 17; 3857.9; 19-JUN-2010 23:06:30; Bright; 66.0; 74; 11Bet Cas ; 2.27; 6600;occ; 132; 0;43413
 18; 3945.6; 19-JUN-2010 23:07:58; Bright; 58.0; 68; 18Alp Cas ; 2.22; 4500;occ; 116; 0;43413
 19; 4064.0; 19-JUN-2010 23:09:56; Bright; 53.0; 160; 23Gam Per ; 2.93; 4700;occ; 106; 0;43413
 20; 4270.5; 19-JUN-2010 23:13:22; Bright; 44.0; 73; 57Gam1And ; 2.26; 13100;occ; 88; 0;43413
 21; 4410.7; 19-JUN-2010 23:15:43; Dark ; 43.0; 173; 4Bet Tri ; 3.00; 8900;occ; 86; 0;43413
 22; 4633.6; 19-JUN-2010 23:19:26; Dark ; 50.5; 50; 13Alp Ari ; 2.01; 4250;occ; 101; 0;43413

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 3; -54.4; 19-JUN-2010 23:41:53; Dark ; 56.0; 84; Alp Phe ; 2.40; 4500;occ; 112; 0;43413
 4; 327.9; 19-JUN-2010 23:48:16; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;43414
 5; 451.1; 19-JUN-2010 23:50:19; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;43414

6; 659.5; 19-JUN-2010 23:53:47; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43414
7; 1225.7; 20-JUN-2010 00:03:13; Dark ; 45.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 91; 0;43414
8; 1312.8; 20-JUN-2010 00:04:41; Dark ; 49.5; 116; 19Del Sgr ; 2.70; 4100;occ; 99; 0;43414
9; 1620.5; 20-JUN-2010 00:09:48; Bright; 38.0; 86; 35Eta Oph ; 2.43; 10200;occ; 76; 0;43414
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11; 2143.2; 20-JUN-2010 00:18:31; Bright; 43.5; 59; 55Alp Oph ; 2.08; 8900;occ; 87; 0;43414
12; 2273.8; 20-JUN-2010 00:20:42; Bright; 37.0; 127; 27Bet Her ; 2.78; 4700;occ; 74; 0;43414
13; 2450.9; 20-JUN-2010 00:23:39; Bright; 38.0; 133; 40Zet Her ; 2.81; 6000;occ; 76; 0;43414
14; 2847.3; 20-JUN-2010 00:30:15; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;43414
15; 2955.7; 20-JUN-2010 00:32:04; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;43414
16; 3453.6; 20-JUN-2010 00:40:21; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;43414
17; 3857.3; 20-JUN-2010 00:47:05; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;43414
18; 3945.2; 20-JUN-2010 00:48:33; Bright; 47.5; 68; 18Alp Cas ; 2.22; 4500;occ; 95; 0;43414
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21; 4414.1; 20-JUN-2010 00:56:22; Dark ; 64.0; 53; 43Bet And ; 2.05; 3300;occ; 128; 0;43414
22; 4633.8; 20-JUN-2010 01:00:02; Dark ; 48.5; 50; 13Alp Ari ; 2.01; 4250;occ; 97; 0;43414
23; 5385.8; 20-JUN-2010 01:12:34; Dark ; 20.0; 0; ; 0.00; 0;occ; 40; 0;43414

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3; -53.2; 20-JUN-2010 01:22:30; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;43414
4; 328.8; 20-JUN-2010 01:28:52; Dark ; 54.5; 63; Bet Gru ; 2.15; 2800;occ; 109; 0;43415
5; 452.1; 20-JUN-2010 01:30:56; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;43415
6; 659.6; 20-JUN-2010 01:34:23; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;43415
7; 1226.0; 20-JUN-2010 01:43:50; Dark ; 48.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 96; 0;43415
8; 1312.8; 20-JUN-2010 01:45:17; Dark ; 49.0; 116; 19Del Sgr ; 2.70; 4100;occ; 98; 0;43415
9; 1620.5; 20-JUN-2010 01:50:24; Bright; 38.5; 86; 35Eta Oph ; 2.43; 10200;occ; 77; 0;43415
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11; 2142.9; 20-JUN-2010 01:59:07; Bright; 42.5; 59; 55Alp Oph ; 2.08; 8900;occ; 85; 0;43415
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13; 2450.8; 20-JUN-2010 02:04:14; Bright; 39.5; 133; 40Zet Her ; 2.81; 6000;occ; 79; 0;43415
14; 2847.3; 20-JUN-2010 02:10:51; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;43415
15; 2955.2; 20-JUN-2010 02:12:39; Bright; 34.5; 119; 14Eta Dra ; 2.73; 4700;occ; 69; 0;43415
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17; 3856.9; 20-JUN-2010 02:27:41; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;43415
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28; 6696.4; 20-JUN-2010 03:15:00; Dark ; 44.5; 45; Alp Pav ; 1.94; 26000;occ; 89; 0;43416
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11; 2134.7; 22-JUN-2010 22:43:31; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;43456
12; 2447.4; 22-JUN-2010 22:48:44; Bright; 37.0; 133; 40Zet Her ; 2.81; 6000;occ; 74; 0;43456
13; 2721.7; 22-JUN-2010 22:53:18; Bright; 44.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 88; 0;43456

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 18; 4270.5; 23-JUN-2010 02:40:19; Bright; 60.0; 73; 57Gam1And ; 2.26; 13100;occ; 120; 0;43458
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 31; 8169.8; 23-JUN-2010 03:45:18; Bright; 41.5; 59; 55Alp Oph ; 2.08; 8900;occ; 83; 0;43459
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 33; 8755.5; 23-JUN-2010 03:55:04; Bright; 49.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 98; 0;43459
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 5; 4064.9; 23-JUN-2010 04:17:29; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;43459
 6; 4270.6; 23-JUN-2010 04:20:55; Bright; 49.5; 73; 57Gam1And ; 2.26; 13100;occ; 99; 0;43459
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 3; 386.5; 24-JUN-2010 02:44:34; Dark ; 64.5; 63; Bet Gru ; 2.15; 2800;occ; 129; 0;43473
 4; 508.0; 24-JUN-2010 02:46:35; Dark ; 54.0; 31; Alp Gru ; 1.73; 15200;occ; 108; 0;43473
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13; 2830.2; 24-JUN-2010 03:25:17; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;43473
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 13; 2827.1; 24-JUN-2010 21:51:50; Bright; 40.5; 130; 23Bet Dra ; 2.80; 5800;occ; 81; 0;43484
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 15; 3828.6; 24-JUN-2010 22:08:31; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;43484
 16; 3922.2; 24-JUN-2010 22:10:05; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;43484
 17; 4064.9; 24-JUN-2010 22:12:27; Bright; 54.0; 160; 23Gam Per ; 2.93; 4700;occ; 108; 0;43484
 18; 4270.0; 24-JUN-2010 22:15:53; Bright; 44.0; 73; 57Gam1And ; 2.26; 13100;occ; 88; 0;43484
 19; 4416.8; 24-JUN-2010 22:18:19; Dark ; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;43484
 20; 4651.7; 24-JUN-2010 22:22:14; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;43484

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 3; 9.2; 24-JUN-2010 22:45:28; Dark ; 54.5; 84; Alp Phe ; 2.40; 4500;occ; 109; 0;43484
 4; 398.2; 24-JUN-2010 22:51:57; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;43485
 5; 519.7; 24-JUN-2010 22:53:58; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;43485
 6; 698.8; 24-JUN-2010 22:56:57; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43485
 7; 1248.5; 24-JUN-2010 23:06:07; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;43485
 8; 1332.8; 24-JUN-2010 23:07:31; Dark ; 55.5; 116; 19Del Sgr ; 2.70; 4100;occ; 111; 0;43485
 9; 1462.1; 24-JUN-2010 23:09:41; Bright; 50.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 100; 0;43485

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11; 2130.2; 24-JUN-2010 23:20:49; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;43485
12; 2702.2; 24-JUN-2010 23:30:21; Bright; 47.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 95; 0;43485
13; 2826.9; 24-JUN-2010 23:32:25; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;43485
14; 3405.2; 24-JUN-2010 23:42:04; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;43485
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16; 3921.8; 24-JUN-2010 23:50:40; Bright; 66.0; 68; 18Alp Cas ; 2.22; 4500;occ; 132; 0;43485
17; 4064.8; 24-JUN-2010 23:53:03; Bright; 44.5; 160; 23Gam Per ; 2.93; 4700;occ; 89; 0;43485
18; 4269.9; 24-JUN-2010 23:56:28; Bright; 46.5; 73; 57Gam1And ; 2.26; 13100;occ; 93; 0;43485
19; 4417.2; 24-JUN-2010 23:58:56; Dark ; 46.0; 173; 4Bet Tri ; 3.00; 8900;occ; 92; 0;43485
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3; 10.0; 25-JUN-2010 00:26:04; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;43486
4; 399.1; 25-JUN-2010 00:32:33; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;43486
5; 520.4; 25-JUN-2010 00:34:35; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;43486
6; 699.5; 25-JUN-2010 00:37:34; Dark ; 49.5; 45; Alp Pav ; 1.94; 26000;occ; 99; 0;43486
7; 1248.9; 25-JUN-2010 00:46:43; Dark ; 45.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 91; 0;43486
8; 1333.3; 25-JUN-2010 00:48:08; Dark ; 51.5; 116; 19Del Sgr ; 2.70; 4100;occ; 103; 0;43486
9; 1462.4; 25-JUN-2010 00:50:17; Bright; 50.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 101; 0;43486
10; 1986.6; 25-JUN-2010 00:59:01; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;43486
11; 2129.9; 25-JUN-2010 01:01:24; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;43486
12; 2701.4; 25-JUN-2010 01:10:56; Bright; 50.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 101; 0;43486
13; 2826.6; 25-JUN-2010 01:13:01; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;43486
14; 3404.5; 25-JUN-2010 01:22:39; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;43486
15; 3827.4; 25-JUN-2010 01:29:42; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;43486
16; 3921.4; 25-JUN-2010 01:31:16; Bright; 49.0; 68; 18Alp Cas ; 2.22; 4500;occ; 98; 0;43486
17; 4064.9; 25-JUN-2010 01:33:39; Bright; 54.0; 160; 23Gam Per ; 2.93; 4700;occ; 108; 0;43486
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19; 4417.1; 25-JUN-2010 01:39:31; Dark ; 44.5; 173; 4Bet Tri ; 3.00; 8900;occ; 89; 0;43486
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3; 10.9; 25-JUN-2010 02:06:41; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;43487
4; 400.3; 25-JUN-2010 02:13:10; Dark ; 55.5; 63; Bet Gru ; 2.15; 2800;occ; 111; 0;43487
5; 521.4; 25-JUN-2010 02:15:12; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;43487
6; 700.1; 25-JUN-2010 02:18:10; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;43487
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8; 1333.6; 25-JUN-2010 02:28:44; Dark ; 48.5; 116; 19Del Sgr ; 2.70; 4100;occ; 97; 0;43487
9; 1462.7; 25-JUN-2010 02:30:53; Bright; 48.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 96; 0;43487
10; 1986.6; 25-JUN-2010 02:39:37; Bright; 40.5; 126; 60Bet Oph ; 2.77; 4250;occ; 81; 0;43487
11; 2129.9; 25-JUN-2010 02:42:00; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;43487
12; 2700.9; 25-JUN-2010 02:51:31; Bright; 50.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 100; 0;43487
13; 2826.6; 25-JUN-2010 02:53:37; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;43487
14; 3403.6; 25-JUN-2010 03:03:14; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;43487
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2; -2114.5; 25-JUN-2010 03:11:52; Bright; 46.0; 68; 18Alp Cas ; 2.22; 4500;occ; 92; 0;43487
3; -1970.9; 25-JUN-2010 03:14:15; Bright; 33.5; 160; 23Gam Per ; 2.93; 4700;occ; 67; 0;43487
4; -1765.8; 25-JUN-2010 03:17:40; Bright; 45.5; 73; 57Gam1And ; 2.26; 13100;occ; 91; 0;43487
5; -1618.4; 25-JUN-2010 03:20:08; Dark ; 47.0; 173; 4Bet Tri ; 3.00; 8900;occ; 94; 0;43487
6; -1383.2; 25-JUN-2010 03:24:03; Dark ; 62.0; 50; 13Alp Ari ; 2.01; 4250;occ; 124; 0;43487
7; -602.7; 25-JUN-2010 03:37:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43487
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9; 12.0; 25-JUN-2010 03:47:18; Dark ; 45.0; 84; Alp Phe ; 2.40; 4500;occ; 90; 0;43488
10; 401.2; 25-JUN-2010 03:53:47; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;43488
11; 522.3; 25-JUN-2010 03:55:48; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;43488
12; 700.5; 25-JUN-2010 03:58:47; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;43488
13; 1249.4; 25-JUN-2010 04:07:55; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;43488
14; 1334.1; 25-JUN-2010 04:09:20; Dark ; 54.0; 116; 19Del Sgr ; 2.70; 4100;occ; 108; 0;43488
15; 1462.9; 25-JUN-2010 04:11:29; Bright; 50.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 101; 0;43488
16; 1986.8; 25-JUN-2010 04:20:13; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;43488
17; 2130.0; 25-JUN-2010 04:22:36; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;43488
18; 2700.3; 25-JUN-2010 04:32:06; Bright; 49.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 98; 0;43488
19; 2826.3; 25-JUN-2010 04:34:12; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;43488
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 3; -1971.3; 25-JUN-2010 04:54:51; Bright; 54.0; 160; 23Gam Per ; 2.93; 4700;occ; 108; 0;43488
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 5; -1618.2; 25-JUN-2010 05:00:44; Dark ; 46.5; 173; 4Bet Tri ; 3.00; 8900;occ; 93; 0;43488
 6; -1382.9; 25-JUN-2010 05:04:39; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;43488
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 9; 12.9; 25-JUN-2010 05:27:55; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;43489
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 11; 523.1; 25-JUN-2010 05:36:25; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;43489
 12; 701.3; 25-JUN-2010 05:39:23; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43489
 13; 1249.8; 25-JUN-2010 05:48:32; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;43489
 14; 1333.9; 25-JUN-2010 05:49:56; Dark ; 47.0; 116; 19Del Sgr ; 2.70; 4100;occ; 94; 0;43489
 15; 1463.0; 25-JUN-2010 05:52:05; Bright; 50.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 100; 0;43489
 16; 1986.8; 25-JUN-2010 06:00:49; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;43489
 17; 2129.7; 25-JUN-2010 06:03:12; Bright; 41.0; 59; 55Alp Oph ; 2.08; 8900;occ; 82; 0;43489
 18; 2699.6; 25-JUN-2010 06:12:42; Bright; 51.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 102; 0;43489
 19; 2826.0; 25-JUN-2010 06:14:48; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;43489
 20; 3402.4; 25-JUN-2010 06:24:24; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;43489

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 3; 1464.9; 25-JUN-2010 20:57:30; Bright; 48.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 97; 0;43498
 4; 1985.6; 25-JUN-2010 21:06:11; Bright; 39.5; 126; 60Bet Oph ; 2.77; 4250;occ; 79; 0;43498
 5; 2128.3; 25-JUN-2010 21:08:34; Bright; 40.5; 59; 55Alp Oph ; 2.08; 8900;occ; 81; 0;43498
 6; 2693.7; 25-JUN-2010 21:17:59; Bright; 47.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 94; 0;43498
 7; 2823.9; 25-JUN-2010 21:20:09; Bright; 40.5; 130; 23Bet Dra ; 2.80; 5800;occ; 81; 0;43498
 8; 3396.1; 25-JUN-2010 21:29:42; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;43498
 9; 3822.3; 25-JUN-2010 21:36:48; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;43498
 10; 3917.7; 25-JUN-2010 21:38:23; Bright; 49.5; 68; 18Alp Cas ; 2.22; 4500;occ; 99; 0;43498
 11; 4064.7; 25-JUN-2010 21:40:50; Bright; 54.0; 160; 23Gam Per ; 2.93; 4700;occ; 108; 0;43498
 12; 4269.8; 25-JUN-2010 21:44:15; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;43498
 13; 4418.5; 25-JUN-2010 21:46:44; Dark ; 44.5; 173; 4Bet Tri ; 3.00; 8900;occ; 89; 0;43498
 14; 4656.0; 25-JUN-2010 21:50:42; Dark ; 57.5; 50; 13Alp Ari ; 2.01; 4250;occ; 115; 0;43498
 15; 4947.6; 25-JUN-2010 21:55:33; Dark ; 45.0; 94; 92Alp Cet ; 2.53; 3100;occ; 90; 0;43498

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 3; 411.9; 25-JUN-2010 22:20:33; Dark ; 50.5; 63; Bet Gru ; 2.15; 2800;occ; 101; 0;43499
 4; 532.8; 25-JUN-2010 22:22:34; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;43499
 5; 706.4; 25-JUN-2010 22:25:28; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43499
 6; 1252.6; 25-JUN-2010 22:34:34; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;43499
 7; 1336.7; 25-JUN-2010 22:35:58; Dark ; 50.5; 116; 19Del Sgr ; 2.70; 4100;occ; 101; 0;43499
 8; 1465.3; 25-JUN-2010 22:38:07; Bright; 49.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 99; 0;43499
 9; 1985.3; 25-JUN-2010 22:46:47; Bright; 40.0; 126; 60Bet Oph ; 2.77; 4250;occ; 80; 0;43499
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 11; 2693.2; 25-JUN-2010 22:58:35; Bright; 50.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 100; 0;43499
 12; 2823.5; 25-JUN-2010 23:00:45; Bright; 36.0; 130; 23Bet Dra ; 2.80; 5800;occ; 72; 0;43499
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 14; 3821.7; 25-JUN-2010 23:17:23; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;43499
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 3; 413.2; 26-JUN-2010 00:01:10; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;43500
 4; 533.7; 26-JUN-2010 00:03:11; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;43500
 5; 706.9; 26-JUN-2010 00:06:04; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43500
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 7; 1336.7; 26-JUN-2010 00:16:34; Dark ; 53.0; 116; 19Del Sgr ; 2.70; 4100;occ; 106; 0;43500
 8; 1465.2; 26-JUN-2010 00:18:43; Bright; 49.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 99; 0;43500
 9; 1985.6; 26-JUN-2010 00:27:23; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;43500

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11; 2692.8; 26-JUN-2010 00:39:10; Bright; 42.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 85; 0;43500
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13; 3394.6; 26-JUN-2010 00:50:52; Bright; 48.5; 89; 5Alp Cep ; 2.45; 8000;occ; 97; 0;43500
14; 3821.2; 26-JUN-2010 00:57:58; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;43500
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16; 4064.7; 26-JUN-2010 01:02:02; Bright; 54.0; 160; 23Gam Per ; 2.93; 4700;occ; 108; 0;43500
17; 4269.7; 26-JUN-2010 01:05:27; Bright; 61.0; 73; 57Gam1And ; 2.26; 13100;occ; 122; 0;43500
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13; 1262.2; 28-JUN-2010 05:54:29; Dark ; 42.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 85; 0;43532
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13; 1262.4; 28-JUN-2010 07:35:05; Dark ; 47.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 94; 0;43533
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 5; 3372.1; 28-JUN-2010 08:10:15; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;43533
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 9; 4268.9; 28-JUN-2010 08:25:12; Bright; 48.5; 73; 57Gam1And ; 2.26; 13100;occ; 97; 0;43533
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 9; 3802.0; 28-JUN-2010 21:42:13; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;43541
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