

GOMOS Daily Report 24-MAY-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	27MAY2011 07:04:28
Data source version	GOMOS/5.01
Start time of products	24MAY2011 00:05:59
Stop time of products	24MAY2011 23:58:39
Store outputs in DB	Yes
Nb of level 1b prods	266
Nb of prods with errors	3

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

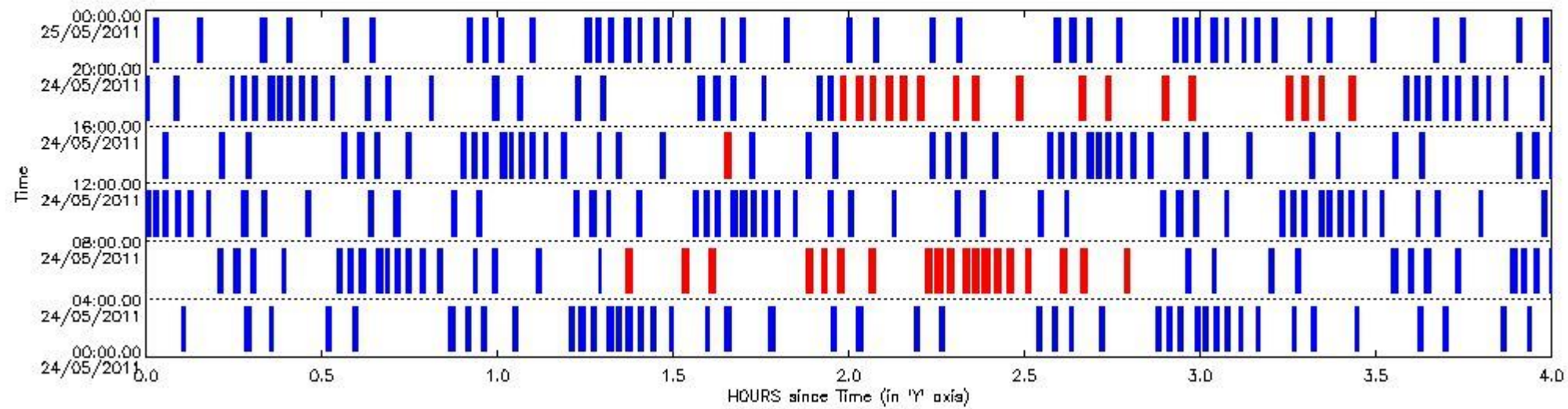
2.1 Level 0 products arrived in PCF (see template [here](#))

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
24-MAY-2011 05:21:53	11BetCas	74	48266
24-MAY-2011 05:31:37	21AlpAnd	58	48266
24-MAY-2011 05:36:07	88GamPeg	140	48266
24-MAY-2011 05:52:34	24AlpPsA	18	48266
24-MAY-2011 05:55:16	DSA1037	0	48266
24-MAY-2011 05:58:09	AlpGru	31	48267
24-MAY-2011 06:03:28	AlpPav	45	48267
24-MAY-2011 06:12:56	TheSco	40	48267
24-MAY-2011 06:14:46	35LamSco	25	48267
24-MAY-2011 06:16:45	26EpsSco	75	48267
24-MAY-2011 06:19:34	21AlpSco	16	48267
24-MAY-2011 06:21:07	7DelSco	80	48267
24-MAY-2011 06:22:48	35EtaOph	86	48267
24-MAY-2011 06:24:47	13ZetOph	98	48267
24-MAY-2011 06:27:04	1DelOph	120	48267

24-MAY-2011 06:30:07	24AlpSer	102	48267
24-MAY-2011 06:36:11	5AlpCrB	67	48267
24-MAY-2011 06:39:32	40ZetHer	133	48267
24-MAY-2011 06:46:59	14EtaDra	119	48267
24-MAY-2011 13:38:38	5AlpCep	89	48271
24-MAY-2011 17:58:26	26EpsSco	75	48274
24-MAY-2011 18:01:13	21AlpSco	16	48274
24-MAY-2011 18:03:34	8Bet1Sco	97	48274
24-MAY-2011 18:06:25	13ZetOph	98	48274
24-MAY-2011 18:08:42	1DelOph	120	48274
24-MAY-2011 18:11:45	24AlpSer	102	48274
24-MAY-2011 18:17:48	5AlpCrB	67	48274
24-MAY-2011 18:21:05	40ZetHer	133	48274
24-MAY-2011 18:28:35	14EtaDra	119	48274
24-MAY-2011 18:39:18	5AlpCep	89	48274
24-MAY-2011 18:43:44	11BetCas	74	48274
24-MAY-2011 18:53:31	21AlpAnd	58	48274
24-MAY-2011 18:58:02	88GamPeg	140	48274
24-MAY-2011 19:14:34	24AlpPsA	18	48274
24-MAY-2011 19:17:16	DSA1037	0	48274
24-MAY-2011 19:20:08	AlpGru	31	48275
24-MAY-2011 19:25:26	AlpPav	45	48275

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_1PNPDE20110524_000559_000000413102_00404_48263_8261.N1	24-MAY-2011 00:05:59	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	48263	No
2	GOM_TRA_1PNPDE20110524_001644_000000683102_00404_48263_8262.N1	24-MAY-2011 00:16:44	Bright	68.000	89	5Alp Cep	2.4510	8000.0	136	48263	No
3	GOM_TRA_1PNPDE20110524_002106_000000363102_00404_48263_8263.N1	24-MAY-2011 00:21:06	Bright	35.500	74	11Bet Cas	2.2680	6600.0	71	48263	No
4	GOM_TRA_1PNPDE20110524_003049_000000473102_00404_48263_8264.N1	24-MAY-2011 00:30:49	Twilight	47.000	58	21Alp And	2.0730	11000.	94	48263	No
5	GOM_TRA_1PNPDE20110524_003518_000000463102_00404_48263_8265.N1	24-MAY-2011 00:35:18	Dark	46.000	140	88Gam Peg	2.8340	26000.	92	48263	No
6	GOM_TRA_1PNPDE20110524_005142_000000553102_00404_48263_8274.N1	24-MAY-2011 00:51:42	Dark	55.000	18	24Alp PsA	1.1660	9700.0	110	48263	No
7	GOM_TRA_1PNPDE20110524_005718_000000463102_00405_48264_8275.N1	24-MAY-2011 00:57:18	Dark	45.500	31	Alp Gru	1.7340	15200.	91	48264	No
8	GOM_TRA_1PNPDE20110524_010238_000000433102_00405_48264_8276.N1	24-MAY-2011 01:02:38	Dark	42.500	45	Alp Pav	1.9400	26000.	85	48264	No
9	GOM_TRA_1PNPDE20110524_011206_000000543102_00405_48264_8277.N1	24-MAY-2011 01:12:06	Straylight	53.500	40	The Sco	1.8590	7100.0	107	48264	No
10	GOM_TRA_1PNPDE20110524_011356_000000513102_00405_48264_8278.N1	24-MAY-2011 01:13:56	Straylight	50.500	25	35Lam Sco	1.6200	28000.	101	48264	No
11	GOM_TRA_1PNPDE20110524_011555_000000513102_00405_48264_8279.N1	24-MAY-2011 01:15:55	Twilight	50.500	75	26Eps Sco	2.2910	4250.0	101	48264	No
12	GOM_TRA_1PNPDE20110524_011845_000000603102_00405_48264_8280.N1	24-MAY-2011 01:18:45	Bright	60.000	16	21Alp Sco	1.0200	3000.0	120	48264	No
13	GOM_TRA_1PNPDE20110524_012018_000000433102_00405_48264_8281.N1	24-MAY-2011 01:20:18	Bright	43.000	80	7Del Sco	2.3160	30000.	86	48264	No
14	GOM_TRA_1PNPDE20110524_012159_000000523102_00405_48264_8282.N1	24-MAY-2011 01:21:59	Bright	51.500	86	35Eta Oph	2.4300	10200.	103	48264	No
15	GOM_TRA_1PNPDE20110524_012359_000000463102_00405_48264_8283.N1	24-MAY-2011 01:23:59	Bright	46.000	98	13Zet Oph	2.5710	30000.	92	48264	No
16	GOM_TRA_1PNPDE20110524_012616_000000433102_00405_48264_8284.N1	24-MAY-2011 01:26:16	Bright	43.000	120	1Del Oph	2.7340	3200.0	86	48264	No
17	GOM_TRA_1PNPDE20110524_012919_000000403102_00405_48264_8285.N1	24-MAY-2011 01:29:19	Bright	39.500	102	24Alp Ser	2.6000	4250.0	79	48264	No
18	GOM_TRA_1PNPDE20110524_013524_000000403102_00405_48264_8286.N1	24-MAY-2011 01:35:24	Bright	40.000	67	5Alp CrB	2.2210	11000.	80	48264	No
19	GOM_TRA_1PNPDE20110524_013845_000000713102_00405_48264_8287.N1	24-MAY-2011 01:38:45	Bright	71.000	133	40Zet Her	2.8070	6000.0	142	48264	No
20	GOM_TRA_1PNPDE20110524_014612_000000593102_00405_48264_8288.N1	24-MAY-2011 01:46:12	Bright	59.000	119	14Eta Dra	2.7270	4700.0	118	48264	No
21	GOM_TRA_1PNPDE20110524_015657_000000473102_00405_48264_8289.N1	24-MAY-2011 01:56:57	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	48264	No
22	GOM_TRA_1PNPDE20110524_020120_000000573102_00405_48264_8290.N1	24-MAY-2011 02:01:20	Bright	57.000	74	11Bet Cas	2.2680	6600.0	114	48264	No
23	GOM_TRA_1PNPDE20110524_021103_000000493102_00405_48264_8291.N1	24-MAY-2011 02:11:03	Twilight	48.500	58	21Alp And	2.0730	11000.	97	48264	No
24	GOM_TRA_1PNPDE20110524_021532_000000453102_00405_48264_8292.N1	24-MAY-2011 02:15:32	Dark	44.500	140	88Gam Peg	2.8340	26000.	89	48264	No
25	GOM_TRA_1PNPDE20110524_023157_000000483102_00405_48264_8292.N1	24-MAY-2011 02:31:57	Dark	48.000	18	24Alp PsA	1.1660	9700.0	96	48264	No
26	GOM_TRA_1PNPDE20110524_023733_000000443102_00406_48265_8293.N1	24-MAY-2011 02:37:33	Dark	43.500	31	Alp Gru	1.7340	15200.	87	48265	No
27	GOM_TRA_1PNPDE20110524_024252_000000423102_00406_48265_8294.N1	24-MAY-2011 02:42:52	Dark	42.000	45	Alp Pav	1.9400	26000.	84	48265	No
28	GOM_TRA_1PNPDE20110524_025220_000000533102_00406_48265_8295.N1	24-MAY-2011 02:52:20	Straylight	53.000	40	The Sco	1.8590	7100.0	106	48265	No
29	GOM_TRA_1PNPDE20110524_025410_000000523102_00406_48265_8296.N1	24-MAY-2011 02:54:10	Straylight	52.000	25	35Lam Sco	1.6200	28000.	104	48265	No
30	GOM_TRA_1PNPDE20110524_025610_000000483102_00406_48265_8297.N1	24-MAY-2011 02:56:10	Twilight	48.000	75	26Eps Sco	2.2910	4250.0	96	48265	No
31	GOM_TRA_1PNPDE20110524_025859_000000603102_00406_48265_8298.N1	24-MAY-2011 02:58:59	Bright	60.000	16	21Alp Sco	1.0200	3000.0	120	48265	No
32	GOM_TRA_1PNPDE20110524_030032_000000443102_00406_48265_8299.N1	24-MAY-2011 03:00:32	Bright	43.500	80	7Del Sco	2.3160	30000.	87	48265	No

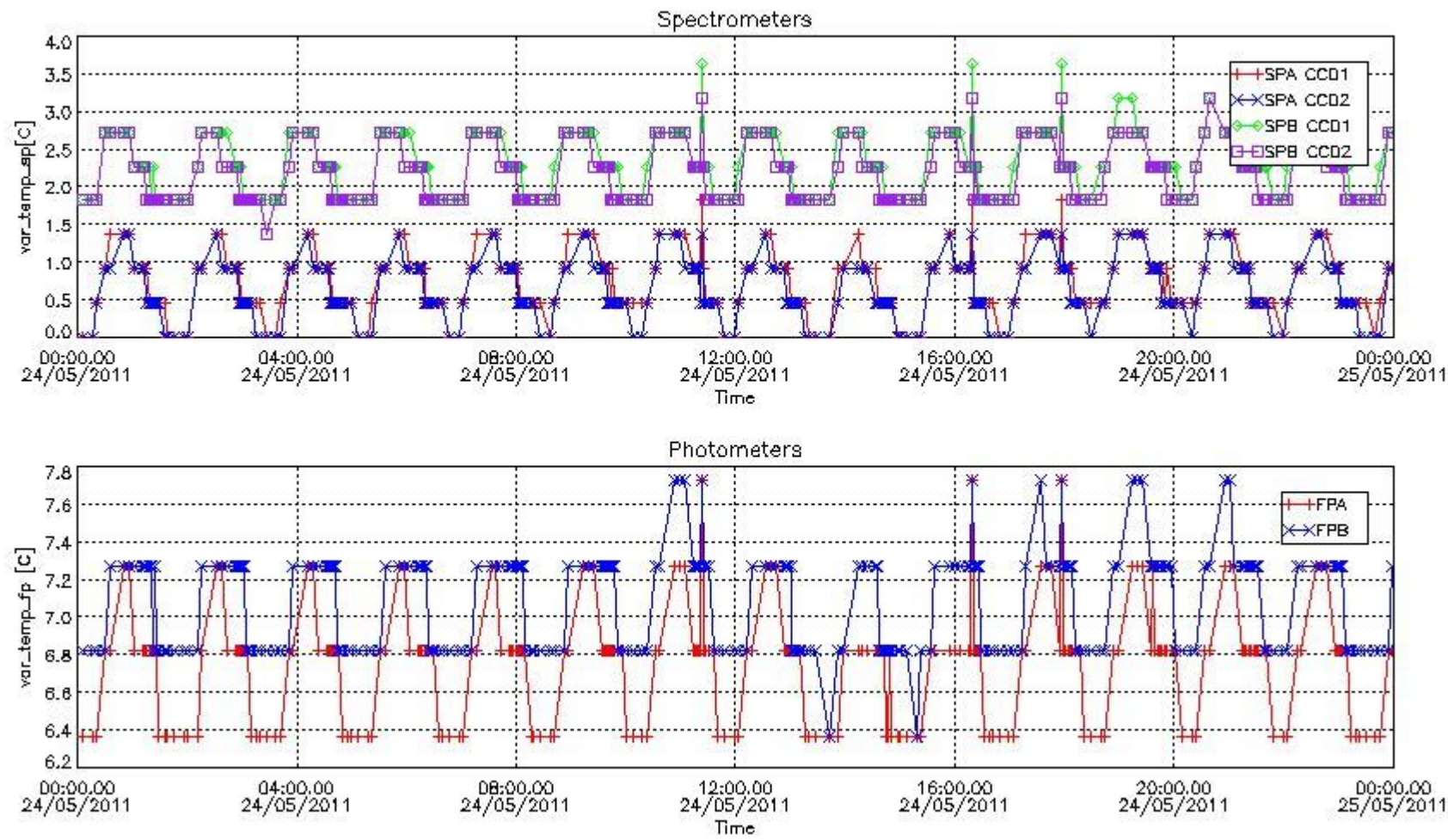
33	GOM_TRA_1PNPDE20110524_030213_000000523102_00406_48265_8300.N1	24-MAY-2011 03:02:13	Bright	51.500	86	35Eta Oph	2.4300	10200.	103	48265	No
34	GOM_TRA_1PNPDE20110524_030413_000000463102_00406_48265_8301.N1	24-MAY-2011 03:04:13	Bright	45.500	98	13Zet Oph	2.5710	30000.	91	48265	No
35	GOM_TRA_1PNPDE20110524_030630_000000443102_00406_48265_8302.N1	24-MAY-2011 03:06:30	Bright	43.500	120	1Del Oph	2.7340	3200.0	87	48265	No
36	GOM_TRA_1PNPDE20110524_030933_000000403102_00406_48265_8303.N1	24-MAY-2011 03:09:33	Bright	40.000	102	24Alp Ser	2.6000	4250.0	80	48265	No
37	GOM_TRA_1PNPDE20110524_031538_000000413102_00406_48265_8304.N1	24-MAY-2011 03:15:38	Bright	40.500	67	5Alp CrB	2.2210	11000.	81	48265	No
38	GOM_TRA_1PNPDE20110524_031859_000000493102_00406_48265_8305.N1	24-MAY-2011 03:18:59	Bright	48.500	133	40Zet Her	2.8070	6000.0	97	48265	No
39	GOM_TRA_1PNPDE20110524_032626_000000393102_00406_48265_8306.N1	24-MAY-2011 03:26:26	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	48265	No
40	GOM_TRA_1PNPDE20110524_033710_000000523102_00406_48265_8316.N1	24-MAY-2011 03:37:10	Bright	52.000	89	5Alp Cep	2.4510	8000.0	104	48265	No
41	GOM_TRA_1PNPDE20110524_034133_000000373102_00406_48265_8317.N1	24-MAY-2011 03:41:33	Bright	37.000	74	11Bet Cas	2.2680	6600.0	74	48265	No
42	GOM_TRA_1PNPDE20110524_035117_000000473102_00406_48265_8318.N1	24-MAY-2011 03:51:17	Tw_i_and_stray	47.000	58	21Alp And	2.0730	11000.	94	48265	No
43	GOM_TRA_1PNPDE20110524_035546_000000483102_00406_48265_8319.N1	24-MAY-2011 03:55:46	Dark	47.500	140	88Gam Peg	2.8340	26000.	95	48265	No
44	GOM_TRA_1PNPDE20110524_041212_000000563102_00406_48265_8320.N1	24-MAY-2011 04:12:12	Dark	55.500	18	24Alp PsA	1.1660	9700.0	111	48265	No
45	GOM_TRA_1PNPDE20110524_041748_000000453102_00407_48266_8321.N1	24-MAY-2011 04:17:48	Dark	44.500	31	Alp Gru	1.7340	15200.	89	48266	No
46	GOM_TRA_1PNPDE20110524_042307_000000433102_00407_48266_8322.N1	24-MAY-2011 04:23:07	Dark	42.500	45	Alp Pav	1.9400	26000.	85	48266	No
47	GOM_TRA_1PNPDE20110524_043235_000000483102_00407_48266_8323.N1	24-MAY-2011 04:32:35	Straylight	48.000	40	The Sco	1.8590	7100.0	96	48266	No
48	GOM_TRA_1PNPDE20110524_043425_000000523102_00407_48266_8324.N1	24-MAY-2011 04:34:25	Straylight	52.000	25	35Lam Sco	1.6200	28000.	104	48266	No
49	GOM_TRA_1PNPDE20110524_043624_000000523102_00407_48266_8325.N1	24-MAY-2011 04:36:24	Tw_i_and_stray	51.500	75	26Eps Sco	2.2910	4250.0	103	48266	No
50	GOM_TRA_1PNPDE20110524_043913_000000603102_00407_48266_8326.N1	24-MAY-2011 04:39:13	Bright	60.000	16	21Alp Sco	1.0200	3000.0	120	48266	No
51	GOM_TRA_1PNPDE20110524_044046_000000433102_00407_48266_8327.N1	24-MAY-2011 04:40:46	Bright	43.000	80	7Del Sco	2.3160	30000.	86	48266	No
52	GOM_TRA_1PNPDE20110524_044227_000000523102_00407_48266_8328.N1	24-MAY-2011 04:42:27	Bright	51.500	86	35Eta Oph	2.4300	10200.	103	48266	No
53	GOM_TRA_1PNPDE20110524_044427_000000453102_00407_48266_8329.N1	24-MAY-2011 04:44:27	Bright	45.000	98	13Zet Oph	2.5710	30000.	90	48266	No
54	GOM_TRA_1PNPDE20110524_044644_000000433102_00407_48266_8330.N1	24-MAY-2011 04:46:44	Bright	43.000	120	1Del Oph	2.7340	3200.0	86	48266	No
55	GOM_TRA_1PNPDE20110524_044947_000000403102_00407_48266_8331.N1	24-MAY-2011 04:49:47	Bright	40.000	102	24Alp Ser	2.6000	4250.0	80	48266	No
56	GOM_TRA_1PNPDE20110524_045552_000000413102_00407_48266_8332.N1	24-MAY-2011 04:55:52	Bright	40.500	67	5Alp CrB	2.2210	11000.	81	48266	No
57	GOM_TRA_1PNPDE20110524_045912_000000493102_00407_48266_8333.N1	24-MAY-2011 04:59:12	Bright	49.000	133	40Zet Her	2.8070	6000.0	98	48266	No
58	GOM_TRA_1PNPDE20110524_050639_000000403102_00407_48266_8334.N1	24-MAY-2011 05:06:39	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	48266	No
59	GOM_TRA_1PNPDE20110524_051724_000000483102_00407_48266_8339.N1	24-MAY-2011 05:17:24	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	48266	No
60	GOM_TRA_1PNPDE20110524_052147_000000393102_00407_48266_8340.N1	24-MAY-2011 05:21:47	Bright	39.000	74	11Bet Cas	2.2680	6600.0	78	48266	No
61	GOM_TRA_1PNPDE20110524_053131_000000513102_00407_48266_8341.N1	24-MAY-2011 05:31:31	Tw_i_and_stray	50.500	58	21Alp And	2.0730	11000.	101	48266	No
62	GOM_TRA_1PNPDE20110524_053601_000000483102_00407_48266_8342.N1	24-MAY-2011 05:36:01	Dark	47.500	140	88Gam Peg	2.8340	26000.	95	48266	No
63	GOM_TRA_1PNPDE20110524_055227_000000543102_00407_48266_8343.N1	24-MAY-2011 05:52:27	Dark	53.500	18	24Alp PsA	1.1660	9700.0	107	48266	No
64	GOM_TRA_1PNPDE20110524_055803_000000463102_00408_48267_8344.N1	24-MAY-2011 05:58:03	Dark	45.500	31	Alp Gru	1.7340	15200.	91	48267	No
65	GOM_TRA_1PNPDE20110524_060322_000000433102_00408_48267_8345.N1	24-MAY-2011 06:03:22	Dark	42.500	45	Alp Pav	1.9400	26000.	85	48267	No
66	GOM_TRA_1PNPDE20110524_061250_000000503102_00408_48267_8346.N1	24-MAY-2011 06:12:50	Straylight	49.500	40	The Sco	1.8590	7100.0	99	48267	No
67	GOM_TRA_1PNPDE20110524_061439_000000533102_00408_48267_8347.N1	24-MAY-2011 06:14:39	Straylight	52.500	25	35Lam Sco	1.6200	28000.	105	48267	No
68	GOM_TRA_1PNPDE20110524_061639_000000493102_00408_48267_8348.N1	24-MAY-2011 06:16:39	Tw_i_and_stray	49.000	75	26Eps Sco	2.2910	4250.0	98	48267	No
69	GOM_TRA_1PNPDE20110524_061928_000000603102_00408_48267_8349.N1	24-MAY-2011 06:19:28	Bright	60.000	16	21Alp Sco	1.0200	3000.0	120	48267	No
70	GOM_TRA_1PNPDE20110524_062101_000000433102_00408_48267_8350.N1	24-MAY-2011 06:21:01	Bright	42.500	80	7Del Sco	2.3160	30000.	85	48267	No
71	GOM_TRA_1PNPDE20110524_062241_000000523102_00408_48267_8351.N1	24-MAY-2011 06:22:41	Bright	52.000	86	35Eta Oph	2.4300	10200.	104	48267	No
72	GOM_TRA_1PNPDE20110524_062441_000000463102_00408_48267_8352.N1	24-MAY-2011 06:24:41	Bright	45.500	98	13Zet Oph	2.5710	30000.	91	48267	No
73	GOM_TRA_1PNPDE20110524_062658_000000433102_00408_48267_8353.N1	24-MAY-2011 06:26:58	Bright	43.000	120	1Del Oph	2.7340	3200.0	86	48267	No
74	GOM_TRA_1PNPDE20110524_063001_000000403102_00408_48267_8354.N1	24-MAY-2011 06:30:01	Bright	40.000	102	24Alp Ser	2.6000	4250.0	80	48267	No
75	GOM_TRA_1PNPDE20110524_063605_000000413102_00408_48267_8355.N1	24-MAY-2011 06:36:05	Bright	40.500	67	5Alp CrB	2.2210	11000.	81	48267	No
76	GOM_TRA_1PNPDE20110524_063926_000000493102_00408_48267_8356.N1	24-MAY-2011 06:39:26	Bright	49.000	133	40Zet Her	2.8070	6000.0	98	48267	No
77	GOM_TRA_1PNPDE20110524_064653_000000393102_00408_48267_8357.N1	24-MAY-2011 06:46:53	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	48267	No
78	GOM_TRA_1PNPDK20110524_065738_000000473102_00408_48267_1538.N1	24-MAY-2011 06:57:38	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48267	No
79	GOM_TRA_1PNPDK20110524_070201_000000373102_00408_48267_1539.N1	24-MAY-2011 07:02:01	Bright	37.000	74	11Bet Cas	2.2680	6600.0	74	48267	No
80	GOM_TRA_1PNPDK20110524_071145_000000503102_00408_48267_1540.N1	24-MAY-2011 07:11:45	Tw_i_and_stray	49.500	58	21Alp And	2.0730	11000.	99	48267	No
81	GOM_TRA_1PNPDK20110524_071616_000000463102_00408_48267_1541.N1	24-MAY-2011 07:16:16	Dark	46.000	140	88Gam Peg	2.8340	26000.	92	48267	No
82	GOM_TRA_1PNPDK20110524_073243_000000553102_00408_48267_1542.N1	24-MAY-2011 07:32:43	Dark	54.500	18	24Alp PsA	1.1660	9700.0	109	48267	No
83	GOM_TRA_1PNPDK20110524_073818_000000543102_00409_48268_1543.N1	24-MAY-2011 07:38:18	Dark	53.500	31	Alp Gru	1.7340	15200.	107	48268	No
84	GOM_TRA_1PNPDK20110524_074337_000000433102_00409_48268_1544.N1	24-MAY-2011 07:43:37	Dark	42.500	45	Alp Pav	1.9400	26000.	85	48268	No
85	GOM_TRA_1PNPDK20110524_075304_000000503102_00409_48268_1545.N1	24-MAY-2011 07:53:04	Straylight	50.000	40	The Sco	1.8590	7100.0	100	48268	No
86	GOM_TRA_1PNPDK20110524_075454_000000493102_00409_48268_1546.N1	24-MAY-2011 07:54:54	Straylight	49.000	25	35Lam Sco	1.6200	28000.	98	48268	No
87	GOM_TRA_1PNPDK20110524_075653_000000483102_00409_48268_1547.N1	24-MAY-2011 07:56:53	Tw_i_and_stray	48.000	75	26Eps Sco	2.2910	4250.0	96	48268	No
88	GOM_TRA_1PNPDK20110524_075942_000000573102_00409_48268_1548.N1	24-MAY-2011 07:59:42	Bright	57.000	16	21Alp Sco	1.0200	3000.0	114	48268	No
89	GOM_TRA_1PNPDK20110524_080115_000000443102_00409_48268_1549.N1	24-MAY-2011 08:01:15	Bright	43.500	80	7Del Sco	2.3160	30000.	87	48268	No
90	GOM_TRA_1PNPDK20110524_080255_000000513102_00409_48268_1550.N1	24-MAY-2011 08:02:55	Bright	51.000	86	35Eta Oph	2.4300	10200.	102	48268	No
91	GOM_TRA_1PNPDK20110524_080455_000000453102_00409_48268_1588.N1	24-MAY-2011 08:04:55	Bright	45.000	98	13Zet Oph	2.5710	30000.	90	48268	No

92	GOM_TRA_1PNPDK20110524_080712_000000443102_00409_48268_1589.N1	24-MAY-2011 08:07:12	Bright	43.500	120	1Del Oph	2.7340	3200.0	87	48268	No
93	GOM_TRA_1PNPDK20110524_081015_000000403102_00409_48268_1590.N1	24-MAY-2011 08:10:15	Bright	39.500	102	24Alp Ser	2.6000	4250.0	79	48268	No
94	GOM_TRA_1PNPDK20110524_081619_000000583102_00409_48268_1591.N1	24-MAY-2011 08:16:19	Bright	58.000	67	5Alp CrB	2.2210	11000.	116	48268	No
95	GOM_TRA_1PNPDK20110524_081939_000000473102_00409_48268_1592.N1	24-MAY-2011 08:19:39	Bright	47.000	133	40Zet Her	2.8070	6000.0	94	48268	No
96	GOM_TRA_1PNPDK20110524_082707_000000583102_00409_48268_1593.N1	24-MAY-2011 08:27:07	Bright	58.000	119	14Eta Dra	2.7270	4700.0	116	48268	No
97	GOM_TRA_1PNPDK20110524_083751_000000463102_00409_48268_1594.N1	24-MAY-2011 08:37:51	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	48268	No
98	GOM_TRA_1PNPDK20110524_084215_000000573102_00409_48268_1595.N1	24-MAY-2011 08:42:15	Bright	57.000	74	11Bet Cas	2.2680	6600.0	114	48268	No
99	GOM_TRA_1PNPDK20110524_085159_000000503102_00409_48268_1596.N1	24-MAY-2011 08:51:59	Tw_i_and_stray	49.500	58	21Alp And	2.0730	11000.	99	48268	No
100	GOM_TRA_1PNPDK20110524_085630_000000473102_00409_48268_1597.N1	24-MAY-2011 08:56:30	Dark	47.000	140	88Gam Peg	2.8340	26000.	94	48268	No
101	GOM_TRA_1PNPDK20110524_091257_000000533102_00409_48268_1598.N1	24-MAY-2011 09:12:57	Dark	52.500	18	24Alp PsA	1.1660	9700.0	105	48268	No
102	GOM_TRA_1PNPDK20110524_091833_000000453102_00410_48269_1599.N1	24-MAY-2011 09:18:33	Dark	45.000	31	Alp Gru	1.7340	15200.	90	48269	No
103	GOM_TRA_1PNPDK20110524_092351_000000403102_00410_48269_1600.N1	24-MAY-2011 09:23:51	Dark	40.000	45	Alp Pav	1.9400	26000.	80	48269	No
104	GOM_TRA_1PNPDK20110524_093318_000000473102_00410_48269_1601.N1	24-MAY-2011 09:33:18	Straylight	47.000	40	The Sco	1.8590	7100.0	94	48269	No
105	GOM_TRA_1PNPDK20110524_093508_000000503102_00410_48269_1602.N1	24-MAY-2011 09:35:08	Straylight	49.500	25	35Lam Sco	1.6200	28000.	99	48269	No
106	GOM_TRA_1PNPDK20110524_093707_000000463102_00410_48269_1603.N1	24-MAY-2011 09:37:07	Tw_i_and_stray	46.000	75	26Eps Sco	2.2910	4250.0	92	48269	No
107	GOM_TRA_1PNPDK20110524_093956_000000533102_00410_48269_1604.N1	24-MAY-2011 09:39:56	Bright	53.000	16	21Alp Sco	1.0200	3000.0	106	48269	No
108	GOM_TRA_1PNPDK20110524_094129_000000533102_00410_48269_1605.N1	24-MAY-2011 09:41:29	Bright	53.000	80	7Del Sco	2.3160	30000.	106	48269	No
109	GOM_TRA_1PNPDK20110524_094310_000000523102_00410_48269_1606.N1	24-MAY-2011 09:43:10	Bright	51.500	86	35Eta Oph	2.4300	10200.	103	48269	No
110	GOM_TRA_1PNPDK20110524_094509_000000443102_00410_48269_1607.N1	24-MAY-2011 09:45:09	Bright	44.000	98	13Zet Oph	2.5710	30000.	88	48269	No
111	GOM_TRA_1PNPDK20110524_094726_000000443102_00410_48269_1649.N1	24-MAY-2011 09:47:26	Bright	43.500	120	1Del Oph	2.7340	3200.0	87	48269	No
112	GOM_TRA_1PNPDK20110524_095029_000000393102_00410_48269_1650.N1	24-MAY-2011 09:50:29	Bright	39.000	102	24Alp Ser	2.6000	4250.0	78	48269	No
113	GOM_TRA_1PNPDK20110524_095633_000000393102_00410_48269_1651.N1	24-MAY-2011 09:56:33	Bright	38.500	67	5Alp CrB	2.2210	11000.	77	48269	No
114	GOM_TRA_1PNPDK20110524_095952_000000483102_00410_48269_1652.N1	24-MAY-2011 09:59:52	Bright	47.500	133	40Zet Her	2.8070	6000.0	95	48269	No
115	GOM_TRA_1PNPDK20110524_100720_000000393102_00410_48269_1653.N1	24-MAY-2011 10:07:20	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	48269	No
116	GOM_TRA_1PNPDK20110524_101804_000000473102_00410_48269_1654.N1	24-MAY-2011 10:18:04	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48269	No
117	GOM_TRA_1PNPDK20110524_102229_000000433102_00410_48269_1655.N1	24-MAY-2011 10:22:29	Bright	42.500	74	11Bet Cas	2.2680	6600.0	85	48269	No
118	GOM_TRA_1PNPDK20110524_103214_000000483102_00410_48269_1656.N1	24-MAY-2011 10:32:14	Tw_i_and_stray	48.000	58	21Alp And	2.0730	11000.	96	48269	No
119	GOM_TRA_1PNPDK20110524_103644_000000483102_00410_48269_1657.N1	24-MAY-2011 10:36:44	Dark	47.500	140	88Gam Peg	2.8340	26000.	95	48269	No
120	GOM_TRA_1PNPDK20110524_105312_000000563102_00410_48269_1658.N1	24-MAY-2011 10:53:12	Dark	56.000	18	24Alp PsA	1.1660	9700.0	112	48269	No
121	GOM_TRA_1PNPDK20110524_105848_000000453102_00411_48270_1659.N1	24-MAY-2011 10:58:48	Dark	44.500	31	Alp Gru	1.7340	15200.	89	48270	No
122	GOM_TRA_1PNPDK20110524_110406_000000423102_00411_48270_1660.N1	24-MAY-2011 11:04:06	Dark	41.500	45	Alp Pav	1.9400	26000.	83	48270	No
123	GOM_TRA_1PNPDK20110524_111333_000000473102_00411_48270_1661.N1	24-MAY-2011 11:13:33	Straylight	46.500	40	The Sco	1.8590	7100.0	93	48270	No
124	GOM_TRA_1PNPDK20110524_111523_000000533102_00411_48270_1662.N1	24-MAY-2011 11:15:23	Straylight	52.500	25	35Lam Sco	1.6200	28000.	105	48270	No
125	GOM_TRA_1PNPDK20110524_111722_000000513102_00411_48270_1663.N1	24-MAY-2011 11:17:22	Tw_i_and_stray	51.000	75	26Eps Sco	2.2910	4250.0	102	48270	No
126	GOM_TRA_1PNPDK20110524_112010_000000603102_00411_48270_1664.N1	24-MAY-2011 11:20:10	Bright	60.000	16	21Alp Sco	1.0200	3000.0	120	48270	No
127	GOM_TRA_1PNPDK20110524_112143_000000433102_00411_48270_1665.N1	24-MAY-2011 11:21:43	Bright	43.000	80	7Del Sco	2.3160	30000.	86	48270	No
128	GOM_TRA_1PNPDK20110524_112324_000000483102_00411_48270_1691.N1	24-MAY-2011 11:23:24	Bright	47.500	86	35Eta Oph	2.4300	10200.	95	48270	Yes
129	GOM_TRA_1PNPDK20110524_112522_000000473102_00411_48270_1692.N1	24-MAY-2011 11:25:22	Bright	46.500	98	13Zet Oph	2.5710	30000.	93	48270	No
130	GOM_TRA_1PNPDK20110524_112740_000000433102_00411_48270_1693.N1	24-MAY-2011 11:27:40	Bright	43.000	120	1Del Oph	2.7340	3200.0	86	48270	No
131	GOM_TRA_1PNPDK20110524_113043_000000403102_00411_48270_1694.N1	24-MAY-2011 11:30:43	Bright	39.500	102	24Alp Ser	2.6000	4250.0	79	48270	No
132	GOM_TRA_1PNPDK20110524_113646_000000403102_00411_48270_1695.N1	24-MAY-2011 11:36:46	Bright	39.500	67	5Alp CrB	2.2210	11000.	79	48270	No
133	GOM_TRA_1PNPDK20110524_114005_000000463102_00411_48270_1696.N1	24-MAY-2011 11:40:05	Bright	45.500	133	40Zet Her	2.8070	6000.0	91	48270	No
134	GOM_TRA_1PNPDK20110524_114734_000000403102_00411_48270_1697.N1	24-MAY-2011 11:47:34	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	48270	No
135	GOM_TRA_1PNPDK20110524_115818_000000463102_00411_48270_1698.N1	24-MAY-2011 11:58:18	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	48270	No
136	GOM_TRA_1PNPDK20110524_120243_000000573102_00411_48270_1699.N1	24-MAY-2011 12:02:43	Bright	57.000	74	11Bet Cas	2.2680	6600.0	114	48270	No
137	GOM_TRA_1PNPDK20110524_121228_000000503102_00411_48270_1700.N1	24-MAY-2011 12:12:28	Tw_i_and_stray	49.500	58	21Alp And	2.0730	11000.	99	48270	No
138	GOM_TRA_1PNPDK20110524_121658_000000473102_00411_48270_1701.N1	24-MAY-2011 12:16:58	Dark	47.000	140	88Gam Peg	2.8340	26000.	94	48270	No
139	GOM_TRA_1PNPDK20110524_123328_000000513102_00411_48270_1702.N1	24-MAY-2011 12:33:28	Dark	50.500	18	24Alp PsA	1.1660	9700.0	101	48270	No
140	GOM_TRA_1PNPDK20110524_123902_000000473102_00412_48271_1703.N1	24-MAY-2011 12:39:02	Dark	47.000	31	Alp Gru	1.7340	15200.	94	48271	No
141	GOM_TRA_1PNPDK20110524_124421_000000443102_00412_48271_1704.N1	24-MAY-2011 12:44:21	Dark	43.500	45	Alp Pav	1.9400	26000.	87	48271	No
142	GOM_TRA_1PNPDK20110524_125348_000000513102_00412_48271_1705.N1	24-MAY-2011 12:53:48	Straylight	50.500	40	The Sco	1.8590	7100.0	101	48271	No
143	GOM_TRA_1PNPDK20110524_125537_000000483102_00412_48271_1706.N1	24-MAY-2011 12:55:37	Straylight	48.000	25	35Lam Sco	1.6200	28000.	96	48271	No
144	GOM_TRA_1PNPDK20110524_125736_000000473102_00412_48271_1707.N1	24-MAY-2011 12:57:36	Tw_i_and_stray	47.000	75	26Eps Sco	2.2910	4250.0	94	48271	No
145	GOM_TRA_1PNPDK20110524_130024_000000603102_00412_48271_1708.N1	24-MAY-2011 13:00:24	Bright	60.000	16	21Alp Sco	1.0200	3000.0	120	48271	No
146	GOM_TRA_1PNPDK20110524_130157_000000443102_00412_48271_1709.N1	24-MAY-2011 13:01:57	Bright	43.500	80	7Del Sco	2.3160	30000.	87	48271	No
147	GOM_TRA_1PNPDK20110524_130338_000000523102_00412_48271_1739.N1	24-MAY-2011 13:03:38	Bright	52.000	86	35Eta Oph	2.4300	10200.	104	48271	No
148	GOM_TRA_1PNPDK20110524_130536_000000503102_00412_48271_1740.N1	24-MAY-2011 13:05:36	Bright	50.000	98	13Zet Oph	2.5710	30000.	100	48271	No
149	GOM_TRA_1PNPDK20110524_130754_000000433102_00412_48271_1741.N1	24-MAY-2011 13:07:54	Bright	42.500	120	1Del Oph	2.7340	3200.0	85	48271	No
150	GOM_TRA_1PNPDK20110524_131056_000000393102_00412_48271_1742.N1	24-MAY-2011 13:10:56	Bright	39.000	102	24Alp Ser	2.6000	4250.0	78	48271	No

151	GOM_TRA_1PNPDK20110524_131700_000000393102_00412_48271_1743.N1	24-MAY-2011 13:17:00	Bright	39.000	67	5Alp CrB	2.2210	11000.	78	48271	No
152	GOM_TRA_1PNPDK20110524_132018_000000473102_00412_48271_1744.N1	24-MAY-2011 13:20:18	Bright	46.500	133	40Zet Her	2.8070	6000.0	93	48271	No
153	GOM_TRA_1PNPDK20110524_132748_000000413102_00412_48271_1745.N1	24-MAY-2011 13:27:48	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	48271	No
154	GOM_TRA_1PNPDK20110524_134257_000000573102_00412_48271_1746.N1	24-MAY-2011 13:42:57	Bright	57.000	74	11Bet Cas	2.2680	6600.0	114	48271	No
155	GOM_TRA_1PNPDK20110524_135242_000000493102_00412_48271_1747.N1	24-MAY-2011 13:52:42	Twilight	49.000	58	21Alp And	2.0730	11000.	98	48271	No
156	GOM_TRA_1PNPDK20110524_135713_000000483102_00412_48271_1748.N1	24-MAY-2011 13:57:13	Dark	47.500	140	88Gam Peg	2.8340	26000.	95	48271	No
157	GOM_TRA_1PNPDK20110524_141343_000000563102_00412_48271_1749.N1	24-MAY-2011 14:13:43	Dark	56.000	18	24Alp PsA	1.1660	9700.0	112	48271	No
158	GOM_TRA_1PNPDK20110524_141917_000000453102_00413_48272_1750.N1	24-MAY-2011 14:19:17	Dark	44.500	31	Alp Gru	1.7340	15200.	89	48272	No
159	GOM_TRA_1PNPDK20110524_142435_000000423102_00413_48272_1751.N1	24-MAY-2011 14:24:35	Dark	42.000	45	Alp Pav	1.9400	26000.	84	48272	No
160	GOM_TRA_1PNPDK20110524_143402_000000493102_00413_48272_1752.N1	24-MAY-2011 14:34:02	Straylight	48.500	40	The Sco	1.8590	7100.0	97	48272	No
161	GOM_TRA_1PNPDK20110524_143552_000000503102_00413_48272_1753.N1	24-MAY-2011 14:35:52	Straylight	50.000	25	35Lam Sco	1.6200	28000.	100	48272	No
162	GOM_TRA_1PNPDK20110524_143750_000000523102_00413_48272_1754.N1	24-MAY-2011 14:37:50	Twilight	51.500	75	26Eps Sco	2.2910	4250.0	103	48272	No
163	GOM_TRA_1PNPDK20110524_144039_000000603102_00413_48272_1755.N1	24-MAY-2011 14:40:39	Bright	60.000	16	21Alp Sco	1.0200	3000.0	120	48272	No
164	GOM_TRA_1PNPDK20110524_144212_000000433102_00413_48272_1773.N1	24-MAY-2011 14:42:12	Bright	43.000	80	7Del Sco	2.3160	30000.	86	48272	No
165	GOM_TRA_1PNPDK20110524_144352_000000523102_00413_48272_1774.N1	24-MAY-2011 14:43:52	Bright	52.000	86	35Eta Oph	2.4300	10200.	104	48272	No
166	GOM_TRA_1PNPDK20110524_144550_000000433102_00413_48272_1775.N1	24-MAY-2011 14:45:50	Bright	43.000	98	13Zet Oph	2.5710	30000.	86	48272	No
167	GOM_TRA_1PNPDK20110524_144808_000000433102_00413_48272_1776.N1	24-MAY-2011 14:48:08	Bright	42.500	120	1Del Oph	2.7340	3200.0	85	48272	No
168	GOM_TRA_1PNPDK20110524_145110_000000403102_00413_48272_1777.N1	24-MAY-2011 14:51:10	Bright	39.500	102	24Alp Ser	2.6000	4250.0	79	48272	No
169	GOM_TRA_1PNPDK20110524_145714_000000513102_00413_48272_1778.N1	24-MAY-2011 14:57:14	Bright	51.000	67	5Alp CrB	2.2210	11000.	102	48272	No
170	GOM_TRA_1PNPDK20110524_150032_000000503102_00413_48272_1779.N1	24-MAY-2011 15:00:32	Bright	49.500	133	40Zet Her	2.8070	6000.0	99	48272	No
171	GOM_TRA_1PNPDK20110524_150801_000000423102_00413_48272_1780.N1	24-MAY-2011 15:08:01	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	48272	No
172	GOM_TRA_1PNPDK20110524_151845_000000473102_00413_48272_1781.N1	24-MAY-2011 15:18:45	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48272	No
173	GOM_TRA_1PNPDK20110524_152310_000000413102_00413_48272_1782.N1	24-MAY-2011 15:23:10	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	48272	No
174	GOM_TRA_1PNPDK20110524_153256_000000483102_00413_48272_1783.N1	24-MAY-2011 15:32:56	Twilight	48.000	58	21Alp And	2.0730	11000.	96	48272	No
175	GOM_TRA_1PNPDK20110524_153727_000000473102_00413_48272_1784.N1	24-MAY-2011 15:37:27	Dark	47.000	140	88Gam Peg	2.8340	26000.	94	48272	No
176	GOM_TRA_1PNPDK20110524_155358_000000493102_00413_48272_1785.N1	24-MAY-2011 15:53:58	Dark	49.000	18	24Alp PsA	1.1660	9700.0	98	48272	No
177	GOM_TRA_1PNPDK20110524_155932_000000463102_00414_48273_1786.N1	24-MAY-2011 15:59:32	Dark	45.500	31	Alp Gru	1.7340	15200.	91	48273	No
178	GOM_TRA_1PNPDK20110524_160450_000000443102_00414_48273_1787.N1	24-MAY-2011 16:04:50	Dark	44.000	45	Alp Pav	1.9400	26000.	88	48273	No
179	GOM_TRA_1PNPDK20110524_161417_000000443102_00414_48273_1788.N1	24-MAY-2011 16:14:17	Straylight	44.000	40	The Sco	1.8590	7100.0	88	48273	No
180	GOM_TRA_1PNPDK20110524_161606_000000513102_00414_48273_1789.N1	24-MAY-2011 16:16:06	Straylight	50.500	25	35Lam Sco	1.6200	28000.	101	48273	No
181	GOM_TRA_1PNPDK20110524_161805_000000503102_00414_48273_1786.N1	24-MAY-2011 16:18:05	Twilight	50.000	75	26Eps Sco	2.2910	4250.0	100	48273	Yes
182	GOM_TRA_1PNPDK20110524_162053_000000603102_00414_48273_1787.N1	24-MAY-2011 16:20:53	Bright	60.000	16	21Alp Sco	1.0200	3000.0	120	48273	No
183	GOM_TRA_1PNPDK20110524_162225_000000443102_00414_48273_1788.N1	24-MAY-2011 16:22:25	Bright	43.500	80	7Del Sco	2.3160	30000.	87	48273	No
184	GOM_TRA_1PNPDK20110524_162406_000000513102_00414_48273_1789.N1	24-MAY-2011 16:24:06	Bright	50.500	86	35Eta Oph	2.4300	10200.	101	48273	No
185	GOM_TRA_1PNPDK20110524_162605_000000453102_00414_48273_1790.N1	24-MAY-2011 16:26:05	Bright	45.000	98	13Zet Oph	2.5710	30000.	90	48273	No
186	GOM_TRA_1PNPDK20110524_162821_000000433102_00414_48273_1791.N1	24-MAY-2011 16:28:21	Bright	43.000	120	1Del Oph	2.7340	3200.0	86	48273	No
187	GOM_TRA_1PNPDK20110524_163124_000000403102_00414_48273_1792.N1	24-MAY-2011 16:31:24	Bright	39.500	102	24Alp Ser	2.6000	4250.0	79	48273	No
188	GOM_TRA_1PNPDK20110524_163728_000000413102_00414_48273_1793.N1	24-MAY-2011 16:37:28	Bright	40.500	67	5Alp CrB	2.2210	11000.	81	48273	No
189	GOM_TRA_1PNPDK20110524_164045_000000493102_00414_48273_1794.N1	24-MAY-2011 16:40:45	Bright	48.500	133	40Zet Her	2.8070	6000.0	97	48273	No
190	GOM_TRA_1PNPDK20110524_164815_000000423102_00414_48273_1795.N1	24-MAY-2011 16:48:15	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	48273	No
191	GOM_TRA_1PNPDK20110524_165858_000000683102_00414_48273_1796.N1	24-MAY-2011 16:58:58	Bright	68.000	89	5Alp Cep	2.4510	8000.0	136	48273	No
192	GOM_TRA_1PNPDK20110524_170324_000000473102_00414_48273_1797.N1	24-MAY-2011 17:03:24	Bright	46.500	74	11Bet Cas	2.2680	6600.0	93	48273	No
193	GOM_TRA_1PNPDK20110524_171310_000000483102_00414_48273_1798.N1	24-MAY-2011 17:13:10	Twilight	48.000	58	21Alp And	2.0730	11000.	96	48273	No
194	GOM_TRA_1PNPDK20110524_171741_000000463102_00414_48273_1799.N1	24-MAY-2011 17:17:41	Dark	46.000	140	88Gam Peg	2.8340	26000.	92	48273	No
195	GOM_TRA_1PNPDK20110524_173412_000000583102_00414_48273_1800.N1	24-MAY-2011 17:34:12	Dark	57.500	18	24Alp PsA	1.1660	9700.0	115	48273	No
196	GOM_TRA_1PNPDK20110524_173947_000000473102_00415_48274_1801.N1	24-MAY-2011 17:39:47	Dark	47.000	31	Alp Gru	1.7340	15200.	94	48274	No
197	GOM_TRA_1PNPDK20110524_174505_000000433102_00415_48274_1802.N1	24-MAY-2011 17:45:05	Dark	43.000	45	Alp Pav	1.9400	26000.	86	48274	No
198	GOM_TRA_1PNPDK20110524_175431_000000503102_00415_48274_1803.N1	24-MAY-2011 17:54:31	Straylight	49.500	40	The Sco	1.8590	7100.0	99	48274	No
199	GOM_TRA_1PNPDK20110524_175621_000000533102_00415_48274_1807.N1	24-MAY-2011 17:56:21	Straylight	53.000	25	35Lam Sco	1.6200	28000.	106	48274	Yes
200	GOM_TRA_1PNPDK20110524_175819_000000493102_00415_48274_1808.N1	24-MAY-2011 17:58:19	Twilight	48.500	75	26Eps Sco	2.2910	4250.0	97	48274	No
201	GOM_TRA_1PNPDK20110524_180107_000000603102_00415_48274_1809.N1	24-MAY-2011 18:01:07	Bright	60.000	16	21Alp Sco	1.0200	3000.0	120	48274	No
202	GOM_TRA_1PNPDK20110524_180328_000000423102_00415_48274_1810.N1	24-MAY-2011 18:03:28	Bright	41.500	97	8Bet1Sco	2.5610	30000.	83	48274	No
203	GOM_TRA_1PNPDK20110524_180619_000000453102_00415_48274_1811.N1	24-MAY-2011 18:06:19	Bright	44.500	98	13Zet Oph	2.5710	30000.	89	48274	No
204	GOM_TRA_1PNPDK20110524_180836_000000433102_00415_48274_1812.N1	24-MAY-2011 18:08:36	Bright	43.000	120	1Del Oph	2.7340	3200.0	86	48274	No
205	GOM_TRA_1PNPDK20110524_181138_000000583102_00415_48274_1813.N1	24-MAY-2011 18:11:38	Bright	58.000	102	24Alp Ser	2.6000	4250.0	116	48274	No
206	GOM_TRA_1PNPDK20110524_181742_000000403102_00415_48274_1814.N1	24-MAY-2011 18:17:42	Bright	39.500	67	5Alp CrB	2.2210	11000.	79	48274	No
207	GOM_TRA_1PNPDK20110524_182058_000000503102_00415_48274_1815.N1	24-MAY-2011 18:20:58	Bright	49.500	133	40Zet Her	2.8070	6000.0	99	48274	No
208	GOM_TRA_1PNPDK20110524_182828_000000403102_00415_48274_1816.N1	24-MAY-2011 18:28:28	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	48274	No
209	GOM_TRA_1PNPDK20110524_183912_000000473102_00415_48274_1817.N1	24-MAY-2011 18:39:12	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48274	No

210	GOM_TRA_1PNPDK20110524_184338_000000373102_00415_48274_1818.N1	24-MAY-2011 18:43:38	Bright	37.000	74	11Bet Cas	2.2680	6600.0	74	48274	No
211	GOM_TRA_1PNPDK20110524_185324_000000493102_00415_48274_1819.N1	24-MAY-2011 18:53:24	Twilight	49.000	58	21Alp And	2.0730	11000.	98	48274	No
212	GOM_TRA_1PNPDK20110524_185756_000000483102_00415_48274_1820.N1	24-MAY-2011 18:57:56	Dark	47.500	140	88Gam Peg	2.8340	26000.	95	48274	No
213	GOM_TRA_1PNPDK20110524_191428_000000563102_00415_48274_1821.N1	24-MAY-2011 19:14:28	Dark	56.000	18	24Alp PsA	1.1660	9700.0	112	48274	No
214	GOM_TRA_1PNPDK20110524_192002_000000453102_00416_48275_1822.N1	24-MAY-2011 19:20:02	Dark	45.000	31	Alp Gru	1.7340	15200.	90	48275	No
215	GOM_TRA_1PNPDK20110524_192519_000000423102_00416_48275_1823.N1	24-MAY-2011 19:25:19	Dark	41.500	45	Alp Pav	1.9400	26000.	83	48275	No
216	GOM_TRA_1PNPDK20110524_193446_000000513102_00416_48275_1828.N1	24-MAY-2011 19:34:46	Straylight	51.000	40	The Sco	1.8590	7100.0	102	48275	No
217	GOM_TRA_1PNPDK20110524_193635_000000513102_00416_48275_1829.N1	24-MAY-2011 19:36:35	Straylight	51.000	25	35Lam Sco	1.6200	28000.	102	48275	No
218	GOM_TRA_1PNPDK20110524_193834_000000493102_00416_48275_1830.N1	24-MAY-2011 19:38:34	Twilight	48.500	75	26Eps Sco	2.2910	4250.0	97	48275	No
219	GOM_TRA_1PNPDK20110524_194121_000000603102_00416_48275_1831.N1	24-MAY-2011 19:41:21	Bright	60.000	16	21Alp Sco	1.0200	3000.0	120	48275	No
220	GOM_TRA_1PNPDK20110524_194342_000000413102_00416_48275_1832.N1	24-MAY-2011 19:43:42	Bright	41.000	97	8Bet1Sco	2.5610	30000.	82	48275	No
221	GOM_TRA_1PNPDK20110524_194633_000000463102_00416_48275_1833.N1	24-MAY-2011 19:46:33	Bright	45.500	98	13Zet Oph	2.5710	30000.	91	48275	No
222	GOM_TRA_1PNPDK20110524_194849_000000433102_00416_48275_1834.N1	24-MAY-2011 19:48:49	Bright	42.500	120	1Del Oph	2.7340	3200.0	85	48275	No
223	GOM_TRA_1PNPDK20110524_195152_000000393102_00416_48275_1835.N1	24-MAY-2011 19:51:52	Bright	39.000	102	24Alp Ser	2.6000	4250.0	78	48275	No
224	GOM_TRA_1PNPDK20110524_195755_000000383102_00416_48275_1836.N1	24-MAY-2011 19:57:55	Bright	38.000	67	5Alp CrB	2.2210	11000.	76	48275	No
225	GOM_TRA_1PNPDK20110524_200112_000000453102_00416_48275_1837.N1	24-MAY-2011 20:01:12	Bright	45.000	133	40Zet Her	2.8070	6000.0	90	48275	No
226	GOM_TRA_1PNPDK20110524_200842_000000433102_00416_48275_1838.N1	24-MAY-2011 20:08:42	Bright	42.500	119	14Eta Dra	2.7270	4700.0	85	48275	No
227	GOM_TRA_1PNPDK20110524_201925_000000643102_00416_48275_1839.N1	24-MAY-2011 20:19:25	Bright	64.000	89	5Alp Cep	2.4510	8000.0	128	48275	No
228	GOM_TRA_1PNPDK20110524_202352_000000583102_00416_48275_1840.N1	24-MAY-2011 20:23:52	Bright	58.000	74	11Bet Cas	2.2680	6600.0	116	48275	No
229	GOM_TRA_1PNPDK20110524_203338_000000483102_00416_48275_1841.N1	24-MAY-2011 20:33:38	Twilight	47.500	58	21Alp And	2.0730	11000.	95	48275	No
230	GOM_TRA_1PNPDK20110524_203810_000000483102_00416_48275_1842.N1	24-MAY-2011 20:38:10	Dark	48.000	140	88Gam Peg	2.8340	26000.	96	48275	No
231	GOM_TRA_1PNPDK20110524_205443_000000563102_00416_48275_1843.N1	24-MAY-2011 20:54:43	Dark	55.500	18	24Alp PsA	1.1660	9700.0	111	48275	No
232	GOM_TRA_1PNPDK20110524_210017_000000443102_00417_48276_1844.N1	24-MAY-2011 21:00:17	Dark	44.000	31	Alp Gru	1.7340	15200.	88	48276	No
233	GOM_TRA_1PNPDK20110524_210534_000000433102_00417_48276_1845.N1	24-MAY-2011 21:05:34	Dark	43.000	45	Alp Pav	1.9400	26000.	86	48276	No
234	GOM_TRA_1PNPDE20110524_211500_000000513102_00417_48276_8443.N1	24-MAY-2011 21:15:00	Straylight	50.500	40	The Sco	1.8590	7100.0	101	48276	No
235	GOM_TRA_1PNPDE20110524_211650_000000523102_00417_48276_8444.N1	24-MAY-2011 21:16:50	Straylight	51.500	25	35Lam Sco	1.6200	28000.	103	48276	No
236	GOM_TRA_1PNPDE20110524_211848_000000483102_00417_48276_8445.N1	24-MAY-2011 21:18:48	Twilight	48.000	75	26Eps Sco	2.2910	4250.0	96	48276	No
237	GOM_TRA_1PNPDE20110524_212136_000000603102_00417_48276_8446.N1	24-MAY-2011 21:21:36	Bright	60.000	16	21Alp Sco	1.0200	3000.0	120	48276	No
238	GOM_TRA_1PNPDE20110524_212356_000000423102_00417_48276_8447.N1	24-MAY-2011 21:23:56	Bright	42.000	97	8Bet1Sco	2.5610	30000.	84	48276	No
239	GOM_TRA_1PNPDE20110524_212646_000000453102_00417_48276_8448.N1	24-MAY-2011 21:26:46	Bright	45.000	98	13Zet Oph	2.5710	30000.	90	48276	No
240	GOM_TRA_1PNPDE20110524_212903_000000433102_00417_48276_8449.N1	24-MAY-2011 21:29:03	Bright	42.500	120	1Del Oph	2.7340	3200.0	85	48276	No
241	GOM_TRA_1PNPDE20110524_213206_000000393102_00417_48276_8450.N1	24-MAY-2011 21:32:06	Bright	38.500	102	24Alp Ser	2.6000	4250.0	77	48276	No
242	GOM_TRA_1PNPDE20110524_213809_000000393102_00417_48276_8451.N1	24-MAY-2011 21:38:09	Bright	39.000	67	5Alp CrB	2.2210	11000.	78	48276	No
243	GOM_TRA_1PNPDE20110524_214125_000000453102_00417_48276_8452.N1	24-MAY-2011 21:41:25	Bright	45.000	133	40Zet Her	2.8070	6000.0	90	48276	No
244	GOM_TRA_1PNPDE20110524_214856_000000413102_00417_48276_8453.N1	24-MAY-2011 21:48:56	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	48276	No
245	GOM_TRA_1PNPDE20110524_215939_000000433102_00417_48276_8454.N1	24-MAY-2011 21:59:39	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	48276	No
246	GOM_TRA_1PNPDE20110524_220406_000000493102_00417_48276_8455.N1	24-MAY-2011 22:04:06	Bright	48.500	74	11Bet Cas	2.2680	6600.0	97	48276	No
247	GOM_TRA_1PNPDE20110524_221353_000000513102_00417_48276_8456.N1	24-MAY-2011 22:13:53	Twilight	51.000	58	21Alp And	2.0730	11000.	102	48276	No
248	GOM_TRA_1PNPDE20110524_221825_000000473102_00417_48276_8457.N1	24-MAY-2011 22:18:25	Dark	47.000	140	88Gam Peg	2.8340	26000.	94	48276	No
249	GOM_TRA_1PNPDE20110524_223457_000000613102_00417_48276_8465.N1	24-MAY-2011 22:34:57	Dark	61.000	18	24Alp PsA	1.1660	9700.0	122	48276	No
250	GOM_TRA_1PNPDE20110524_224032_000000473102_00418_48277_8466.N1	24-MAY-2011 22:40:32	Dark	46.500	31	Alp Gru	1.7340	15200.	93	48277	No
251	GOM_TRA_1PNPDE20110524_224549_000000433102_00418_48277_8467.N1	24-MAY-2011 22:45:49	Dark	42.500	45	Alp Pav	1.9400	26000.	85	48277	No
252	GOM_TRA_1PNPDE20110524_225515_000000493102_00418_48277_8468.N1	24-MAY-2011 22:55:15	Straylight	49.000	40	The Sco	1.8590	7100.0	98	48277	No
253	GOM_TRA_1PNPDE20110524_225704_000000493102_00418_48277_8469.N1	24-MAY-2011 22:57:04	Straylight	48.500	25	35Lam Sco	1.6200	28000.	97	48277	No
254	GOM_TRA_1PNPDE20110524_225902_000000533102_00418_48277_8470.N1	24-MAY-2011 22:59:02	Twilight	52.500	75	26Eps Sco	2.2910	4250.0	105	48277	No
255	GOM_TRA_1PNPDE20110524_230150_000000603102_00418_48277_8471.N1	24-MAY-2011 23:01:50	Bright	60.000	16	21Alp Sco	1.0200	3000.0	120	48277	No
256	GOM_TRA_1PNPDE20110524_230410_000000413102_00418_48277_8472.N1	24-MAY-2011 23:04:10	Bright	40.500	97	8Bet1Sco	2.5610	30000.	81	48277	No
257	GOM_TRA_1PNPDE20110524_230700_000000463102_00418_48277_8473.N1	24-MAY-2011 23:07:00	Bright	46.000	98	13Zet Oph	2.5710	30000.	92	48277	No
258	GOM_TRA_1PNPDE20110524_230917_000000433102_00418_48277_8474.N1	24-MAY-2011 23:09:17	Bright	43.000	120	1Del Oph	2.7340	3200.0	86	48277	No
259	GOM_TRA_1PNPDE20110524_231220_000000393102_00418_48277_8475.N1	24-MAY-2011 23:12:20	Bright	39.000	102	24Alp Ser	2.6000	4250.0	78	48277	No
260	GOM_TRA_1PNPDE20110524_231823_000000393102_00418_48277_8476.N1	24-MAY-2011 23:18:23	Bright	38.500	67	5Alp CrB	2.2210	11000.	77	48277	No
261	GOM_TRA_1PNPDE20110524_232138_000000503102_00418_48277_8477.N1	24-MAY-2011 23:21:38	Bright	49.500	133	40Zet Her	2.8070	6000.0	99	48277	No
262	GOM_TRA_1PNPDE20110524_232909_000000433102_00418_48277_8478.N1	24-MAY-2011 23:29:09	Bright	42.500	119	14Eta Dra	2.7270	4700.0	85	48277	No
263	GOM_TRA_1PNPDE20110524_233952_000000463102_00418_48277_8479.N1	24-MAY-2011 23:39:52	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	48277	No
264	GOM_TRA_1PNPDE20110524_234420_000000493102_00418_48277_8480.N1	24-MAY-2011 23:44:20	Bright	48.500	74	11Bet Cas	2.2680	6600.0	97	48277	No
265	GOM_TRA_1PNPDE20110524_235407_000000503102_00418_48277_8481.N1	24-MAY-2011 23:54:07	Twilight	50.000	58	21Alp And	2.0730	11000.	100	48277	No
266	GOM_TRA_1PNPDE20110524_235839_000000463102_00418_48277_8482.N1	24-MAY-2011 23:58:39	Dark	46.000	140	88Gam Peg	2.8340	26000.	92	48277	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).

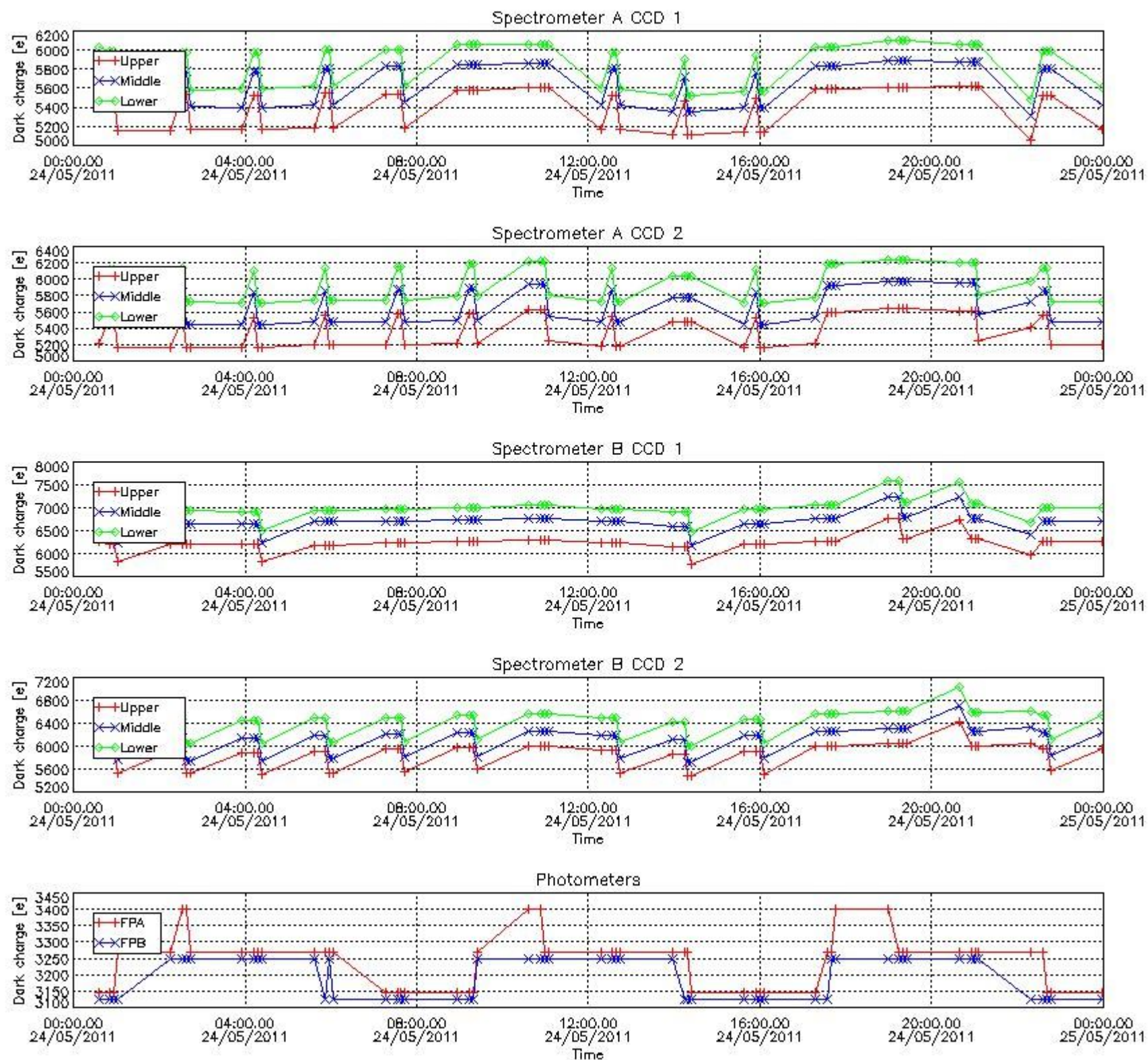
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20110524_211500_000000513102_00417_48276_8443.N1	DC map used
GOM_TRA_1PNPDE20110524_211650_000000523102_00417_48276_8444.N1	DC map used
GOM_TRA_1PNPDE20110524_211848_000000483102_00417_48276_8445.N1	DC map used
GOM_TRA_1PNPDE20110524_212136_000000603102_00417_48276_8446.N1	DC map used
GOM_TRA_1PNPDE20110524_212356_000000423102_00417_48276_8447.N1	DC map used
GOM_TRA_1PNPDE20110524_212646_000000453102_00417_48276_8448.N1	DC map used
GOM_TRA_1PNPDE20110524_212903_000000433102_00417_48276_8449.N1	DC map used
GOM_TRA_1PNPDE20110524_213206_000000393102_00417_48276_8450.N1	DC map used
GOM_TRA_1PNPDE20110524_213809_000000393102_00417_48276_8451.N1	DC map used
GOM_TRA_1PNPDE20110524_214125_000000453102_00417_48276_8452.N1	DC map used
GOM_TRA_1PNPDE20110524_214856_000000413102_00417_48276_8453.N1	DC map used
GOM_TRA_1PNPDE20110524_215939_000000433102_00417_48276_8454.N1	DC map used

GOM_TRA_1PNPDE20110524_220406_000000493102_00417_48276_8455.N1	DC map used
GOM_TRA_1PNPDE20110524_221353_000000513102_00417_48276_8456.N1	DC map used
GOM_TRA_1PNPDE20110524_221825_000000473102_00417_48276_8457.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

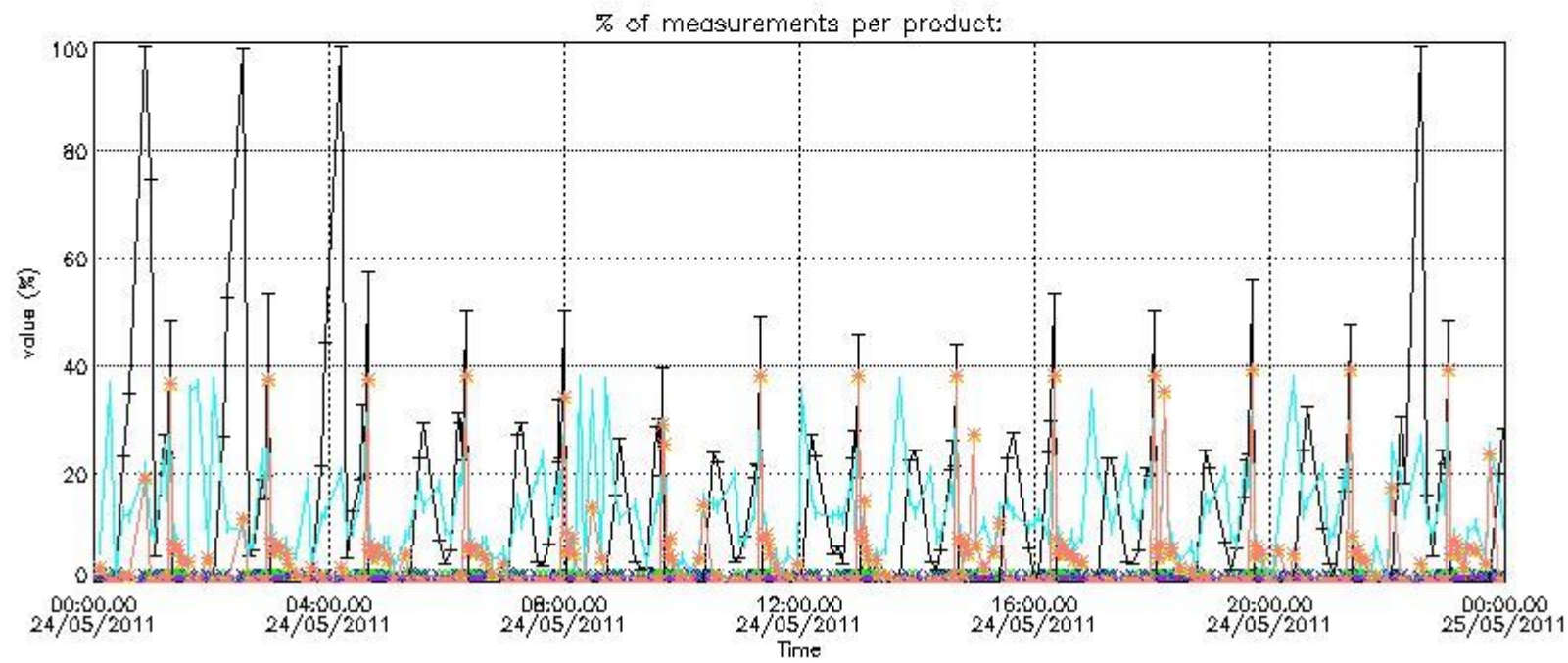
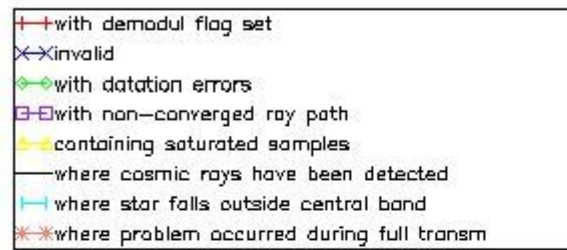
In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors

(error flag in the MPH set to "0") are used.

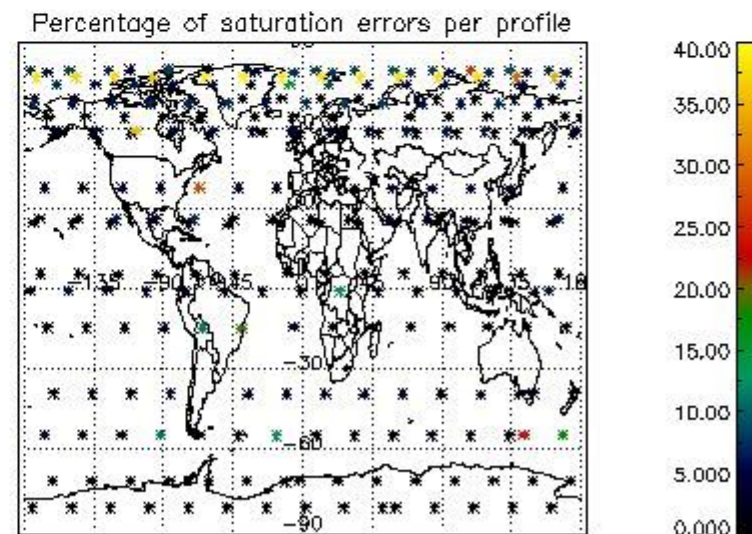
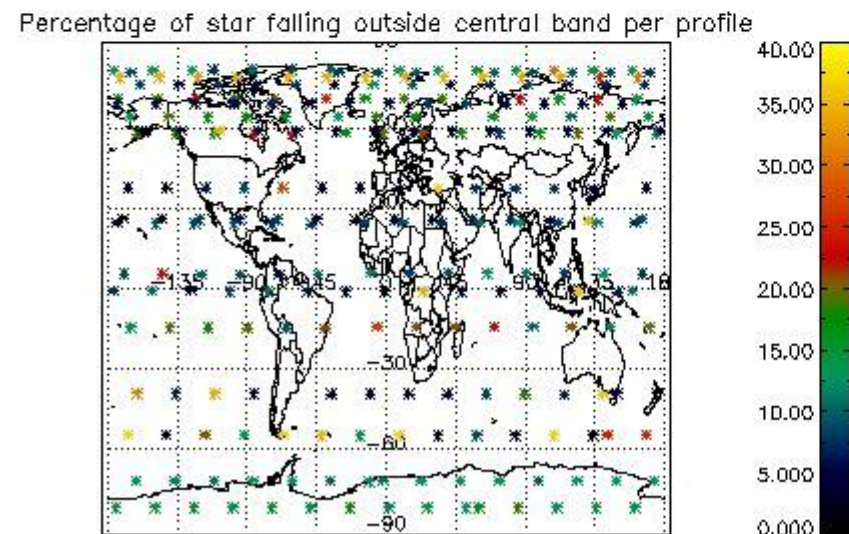
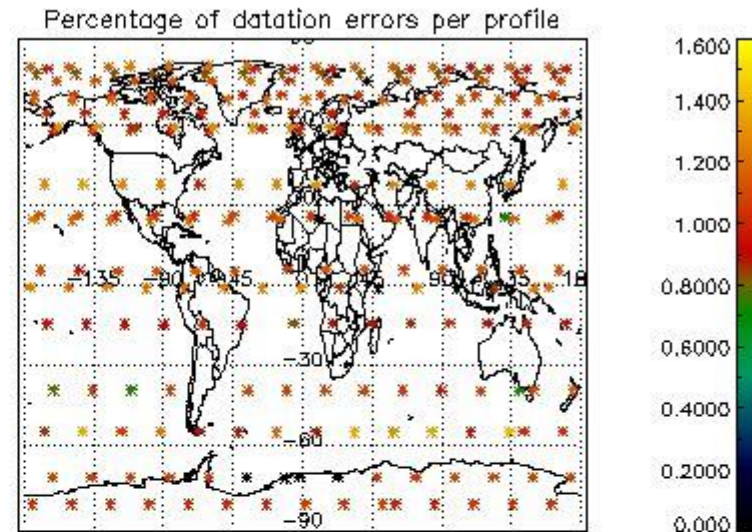
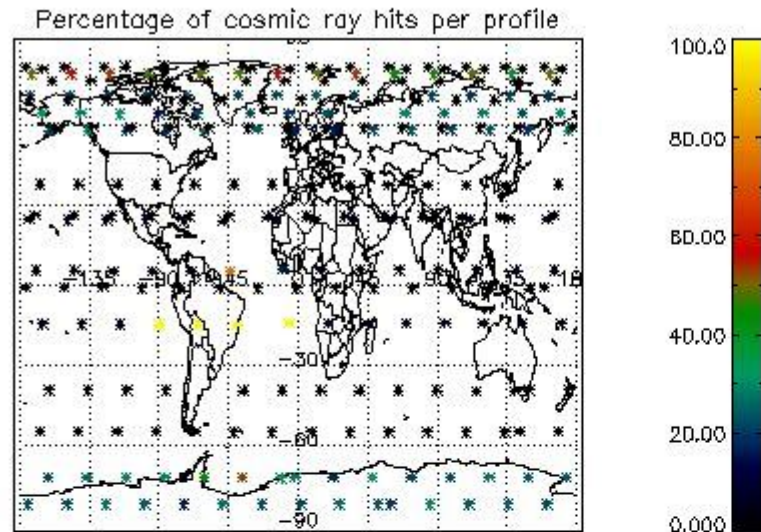
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	41.0646 %
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)



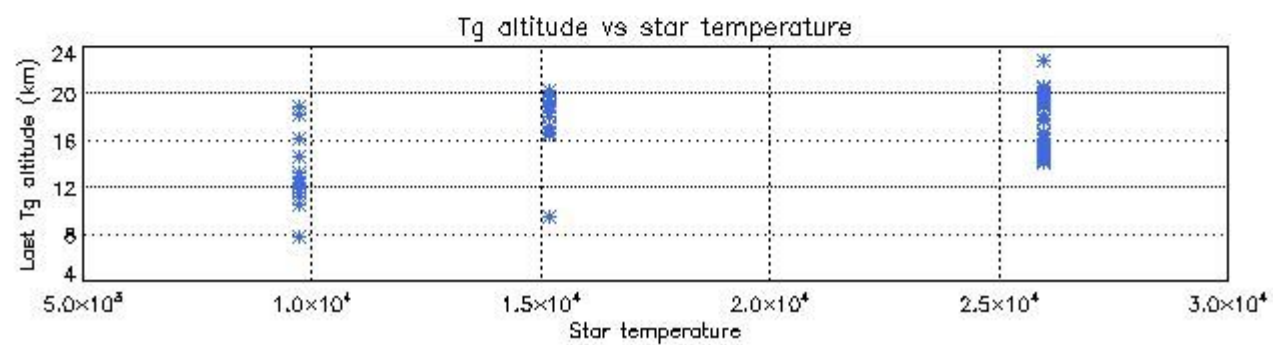
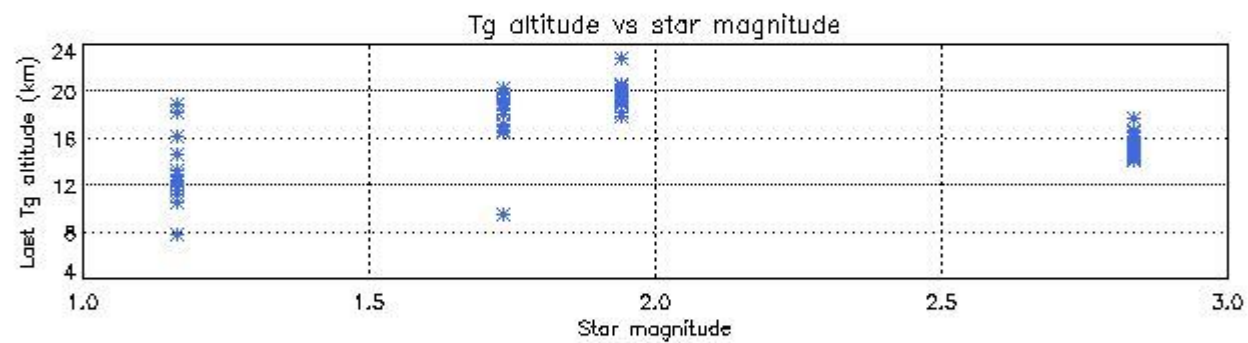
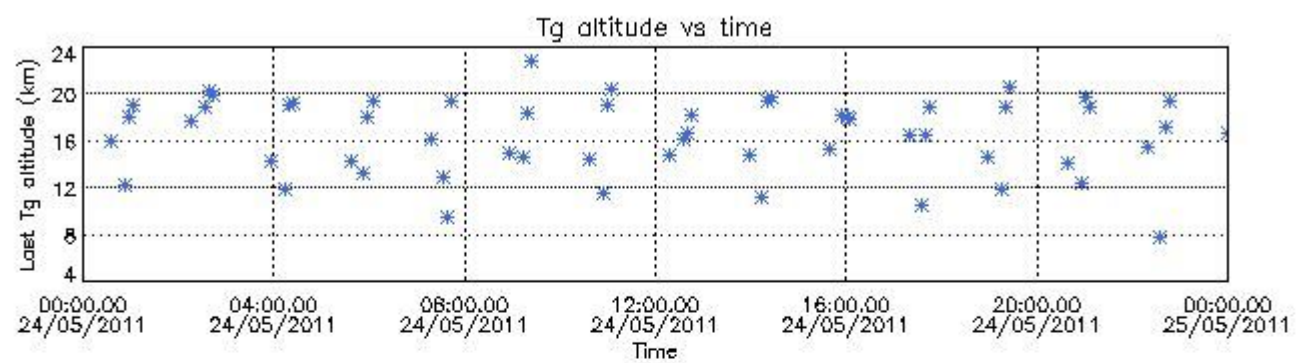
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	16.407	17.390	NaN
St. deviation:	3.2207	6.9751	NaN
Maximum:	22.852	29.131	NaN
Minimum:	7.7566	2.8085	NaN
Number of data:	57.000	151.00	NaN

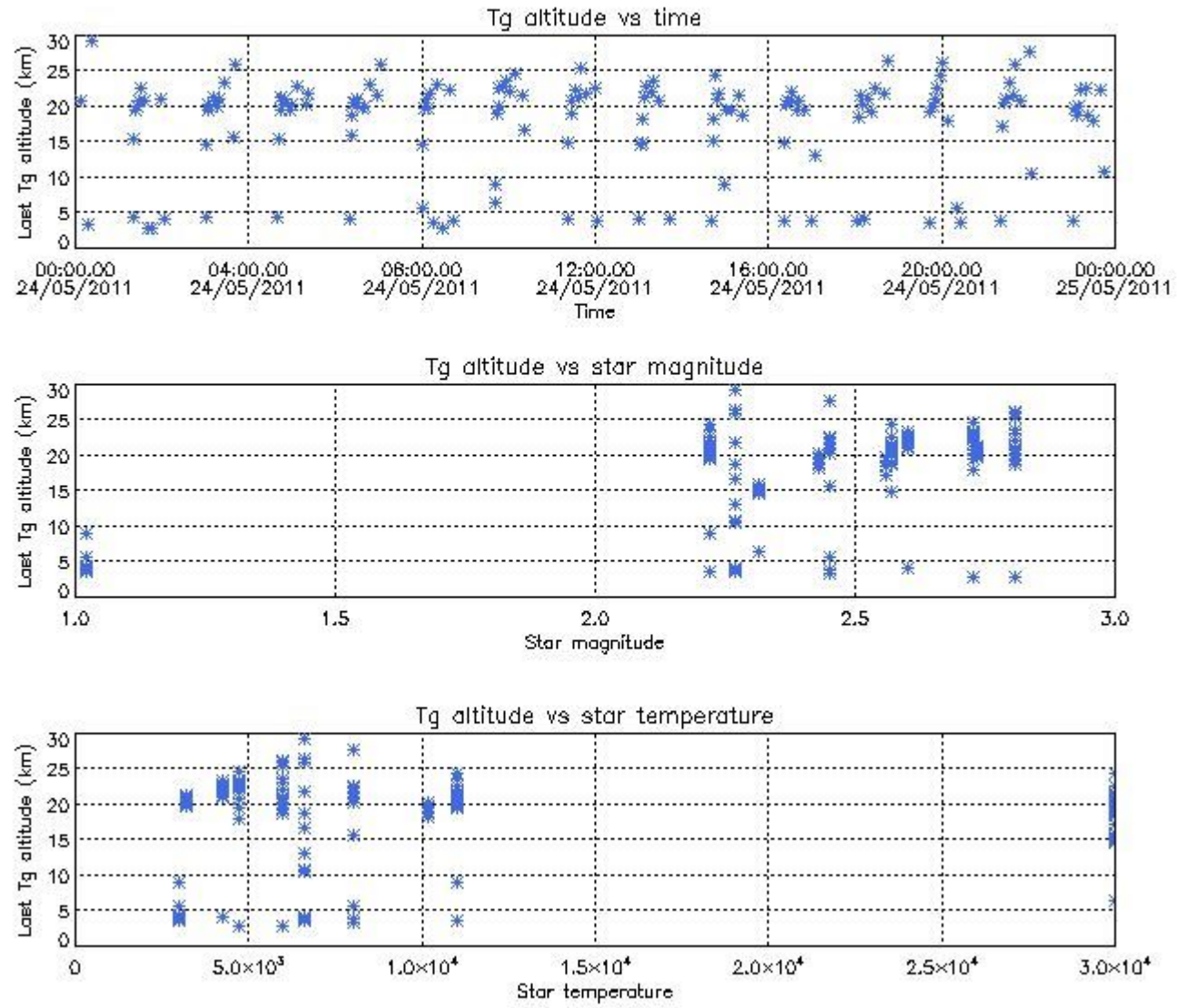
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

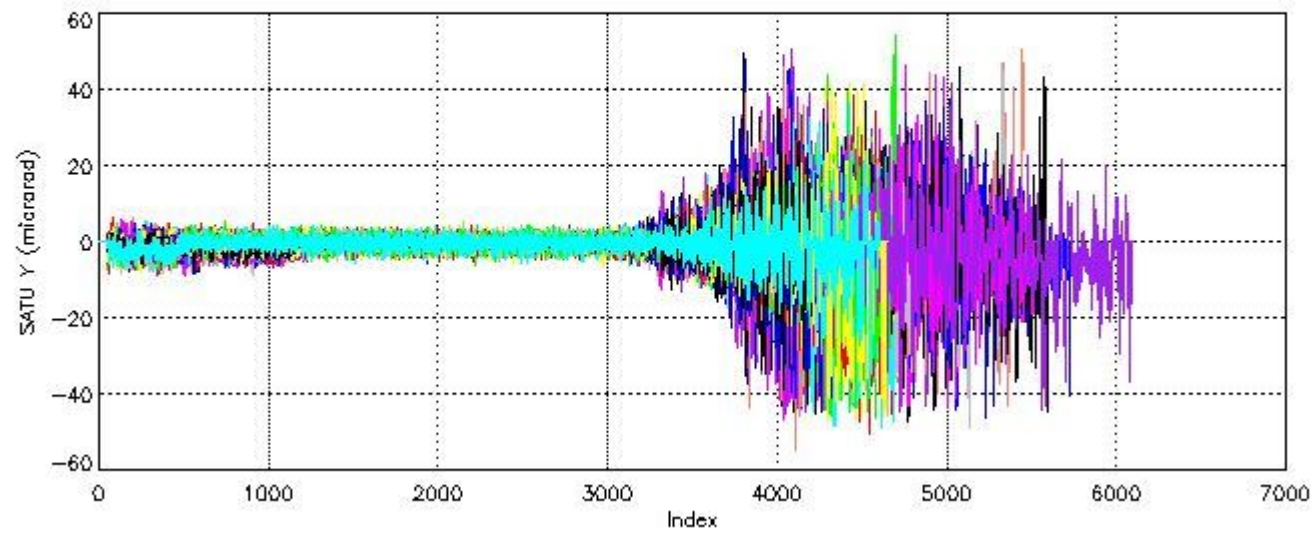
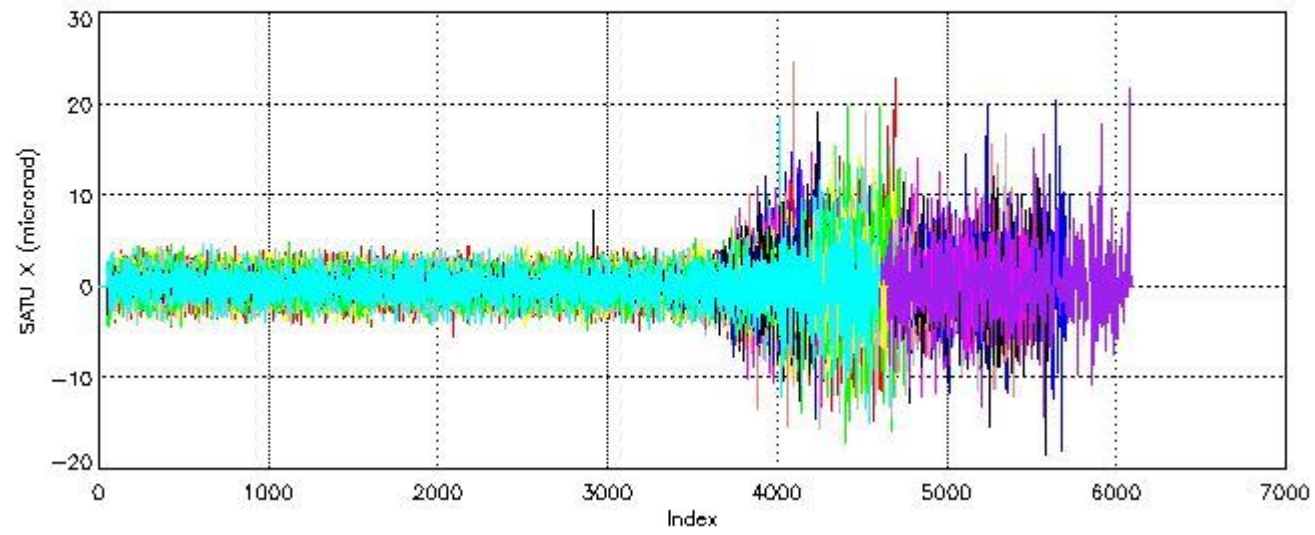


7. Star Acquisition and Tracking Unit (SATU)

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:	0.24646	-1.2969	0.29925	-1.5956
St. deviation:	0.68993	1.8213	0.73607	1.8013
Maximum:	4.6000	6.4000	5.3000	10.700
Minimum:	-4.5000	-8.9000	-4.1000	-9.6000

Number of data:	60050.	60050.	1.5390E+05	1.5390E+05
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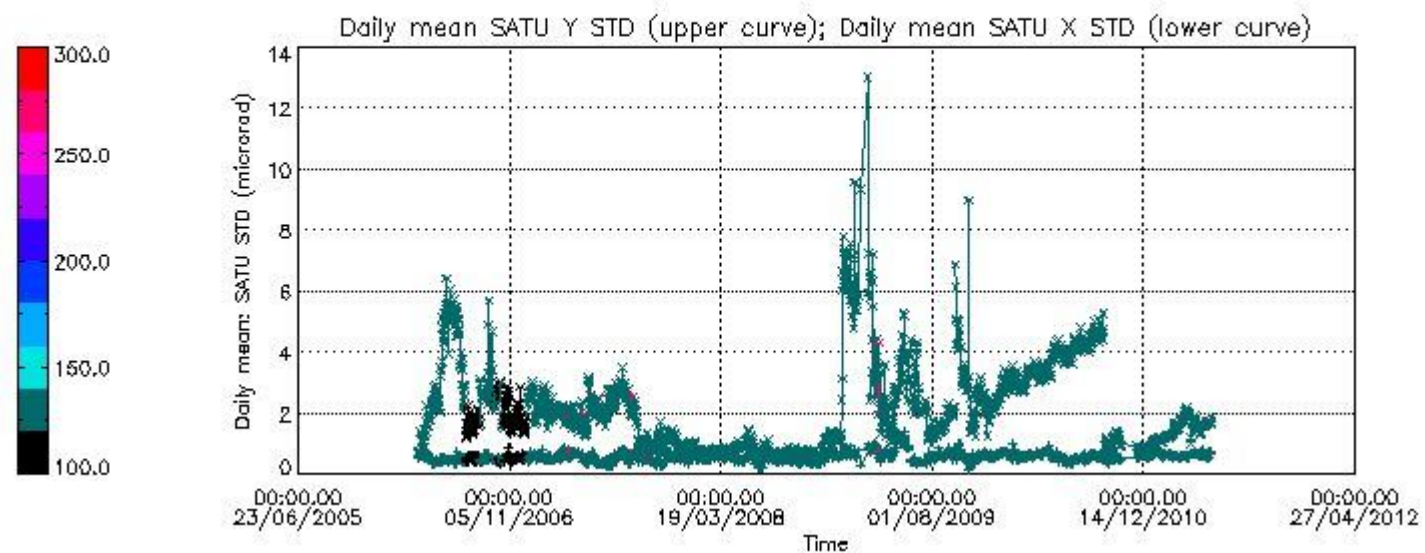
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

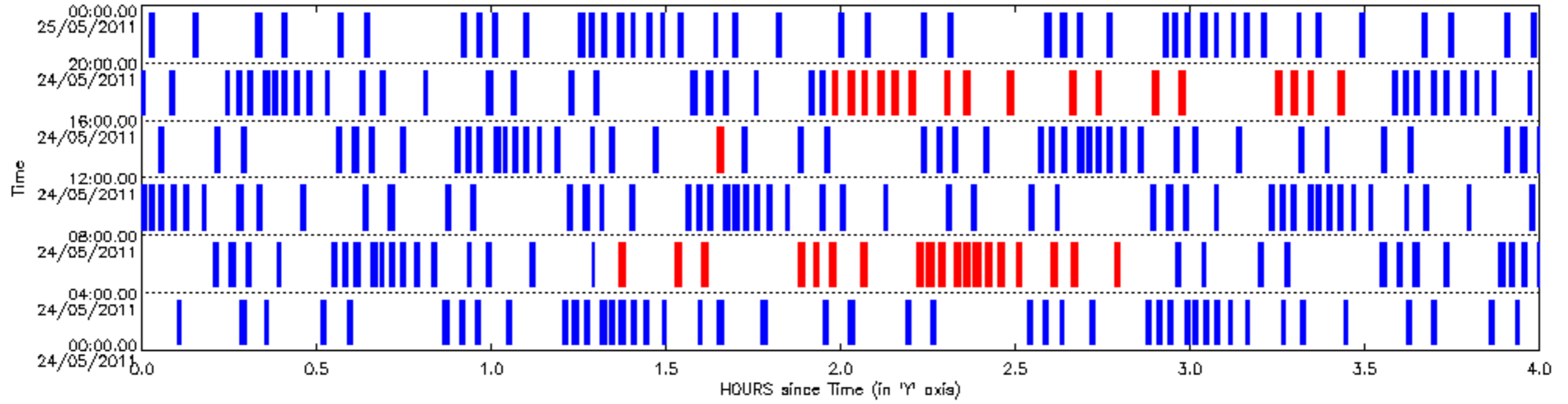


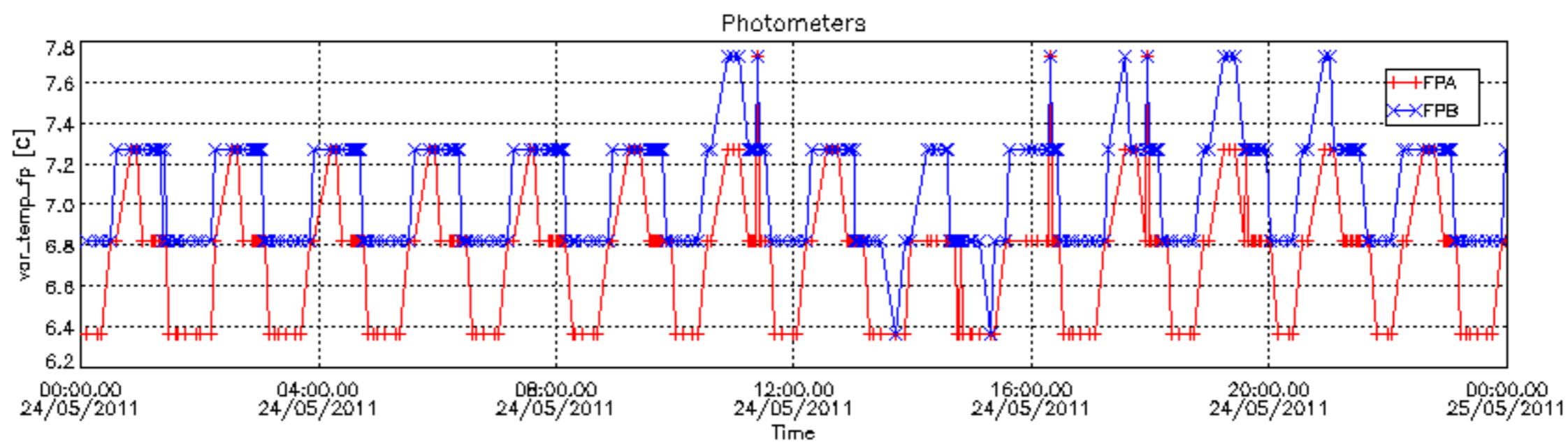
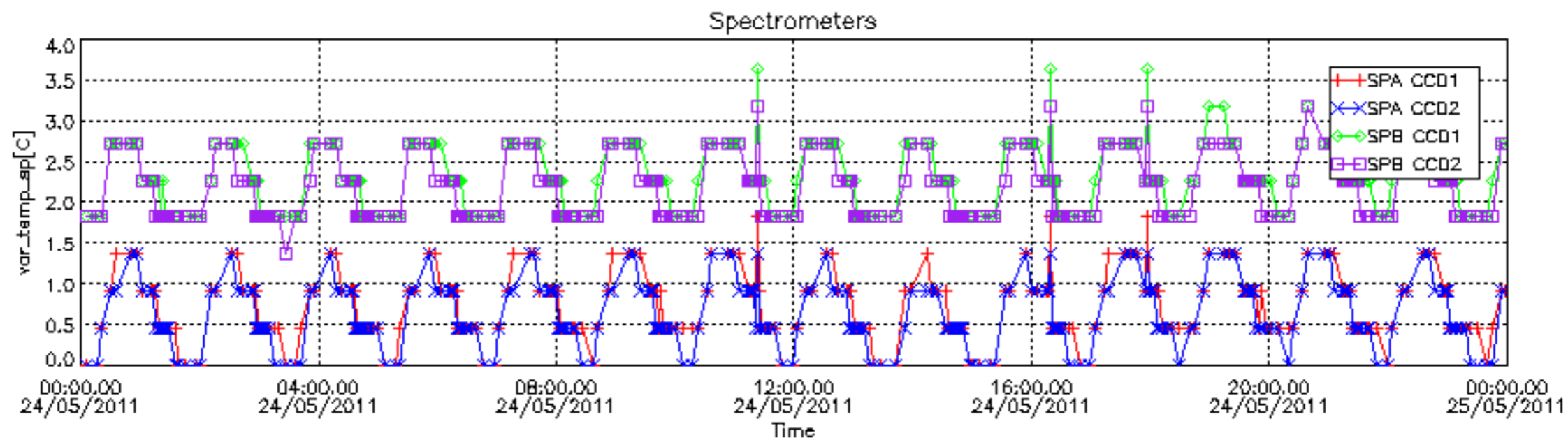
8. Auxiliary Data Files used for the production reported in section 2.4

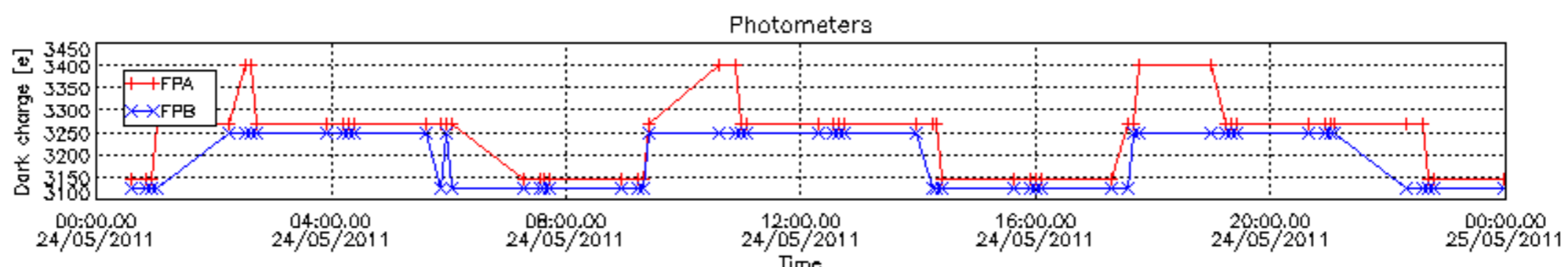
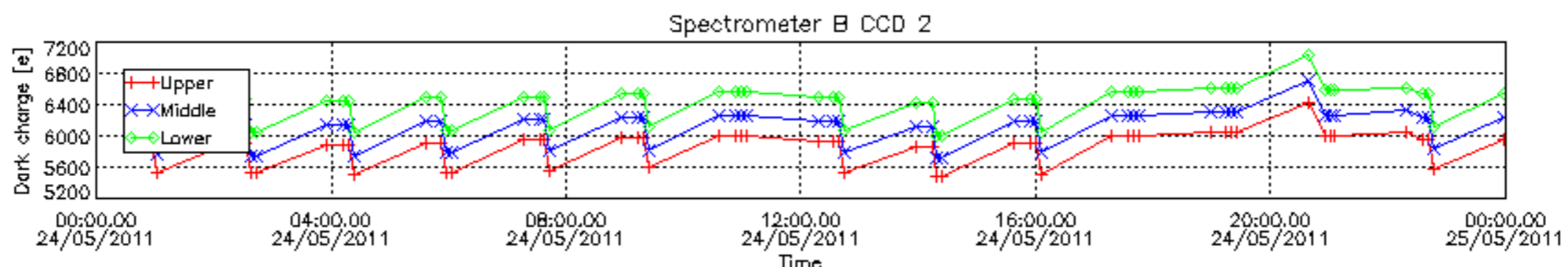
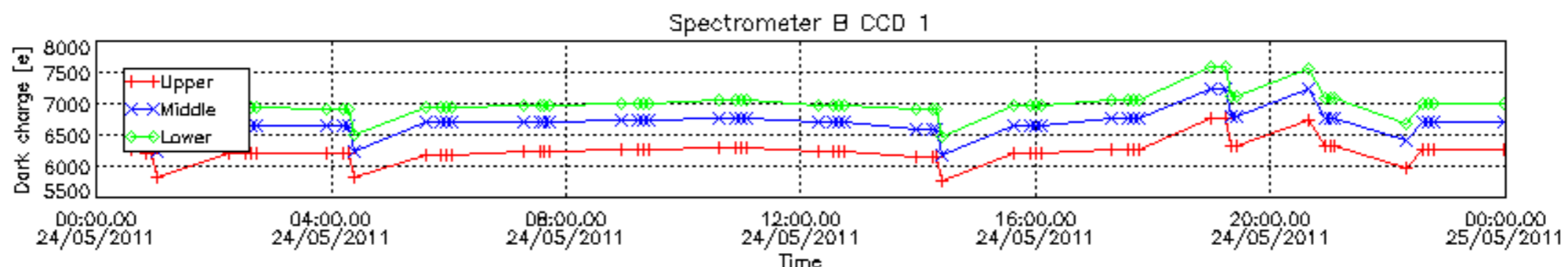
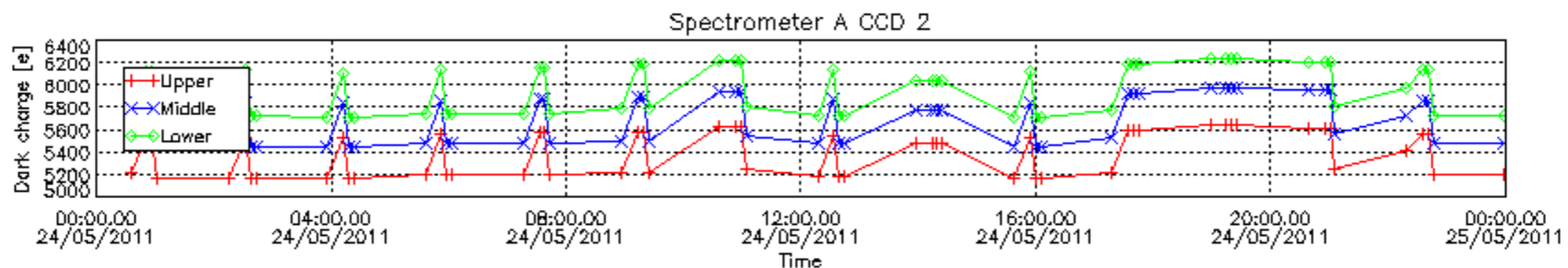
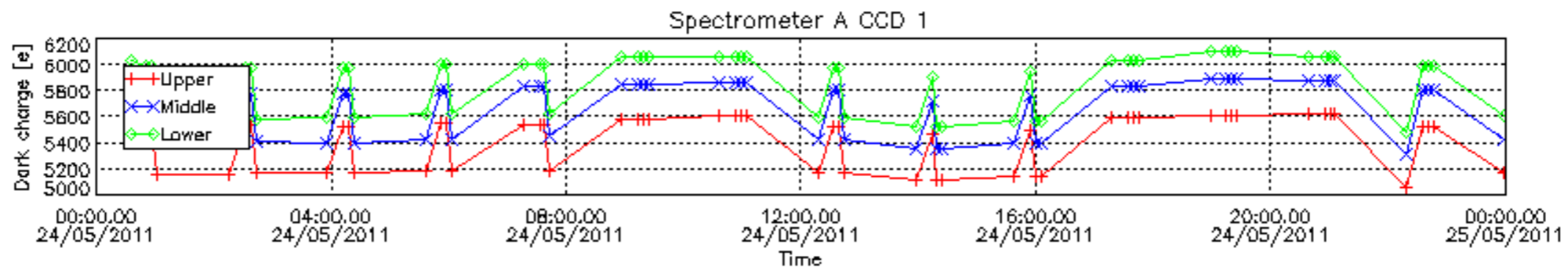
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

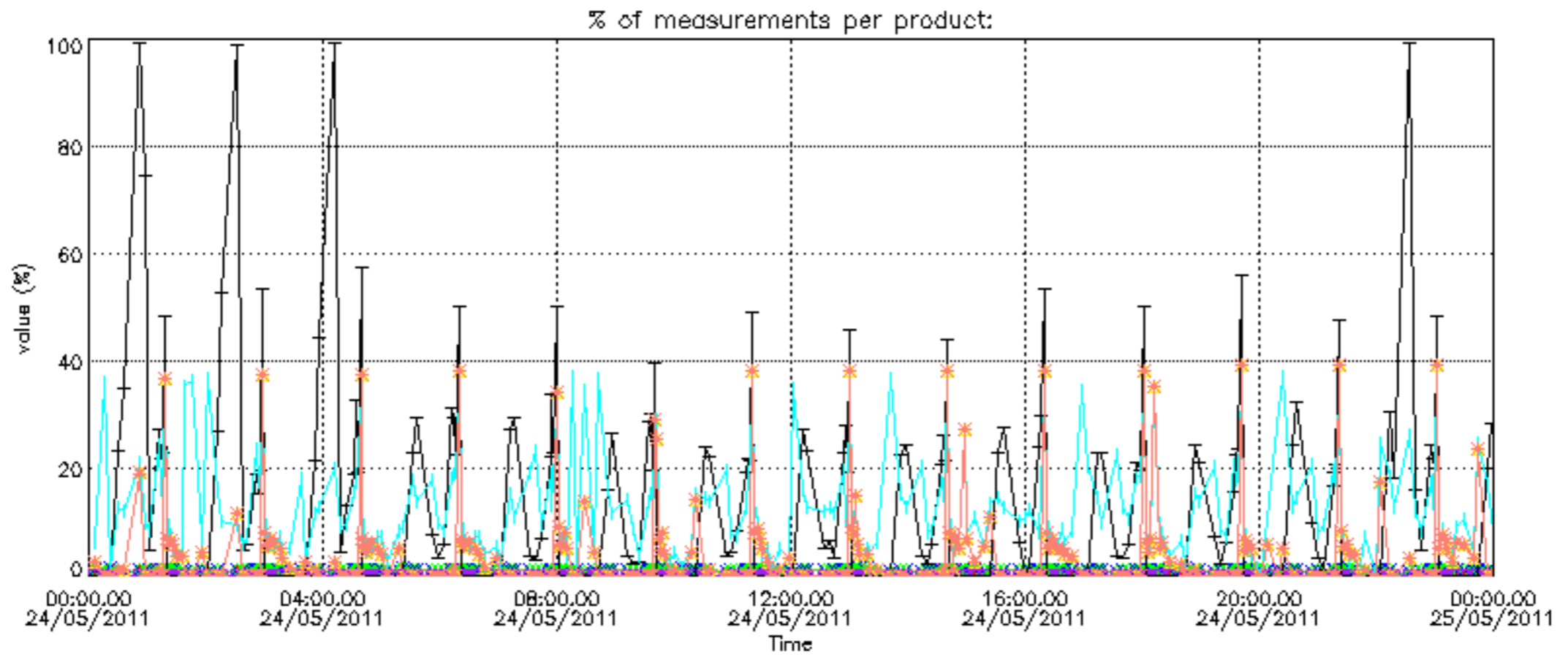
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	24-MAY-2011 00:05:59
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110519_083035_20110518_000000_20500101_000000	1	24-MAY-2011 00:05:59
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	24-MAY-2011 00:05:59
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	24-MAY-2011 00:05:59
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	24-MAY-2011 00:05:59
ECMWF_FILE	AUX_ECF_AXNECM20110523_062116_20110523_210000_20110524_090000	1	24-MAY-2011 00:05:59
ECMWF_FILE	AUX_ECF_AXNECM20110523_182208_20110524_030000_20110524_150000	40	24-MAY-2011 03:37:10
ECMWF_FILE	AUX_ECA_AXNECM20110524_062113_20110523_210000_20110524_090000	59	24-MAY-2011 05:17:24
ECMWF_FILE	AUX_ECF_AXNECM20110523_182208_20110524_030000_20110524_150000	91	24-MAY-2011 08:04:55
ECMWF_FILE	AUX_ECF_AXNECM20110524_062114_20110524_090000_20110524_210000	111	24-MAY-2011 09:47:26
ECMWF_FILE	AUX_ECF_AXNECM20110524_062114_20110524_150000_20110525_030000	181	24-MAY-2011 16:18:05
ECMWF_FILE	AUX_ECA_AXNECM20110524_180958_20110524_090000_20110524_210000	199	24-MAY-2011 17:56:21
ECMWF_FILE	AUX_ECF_AXNECM20110524_062114_20110524_150000_20110525_030000	216	24-MAY-2011 19:34:46
ECMWF_FILE	AUX_ECF_AXNECM20110524_062115_20110524_210000_20110525_090000	234	24-MAY-2011 21:15:00
OPTIONAL_ECMWF_FILE	MISSING	1	24-MAY-2011 00:05:59
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ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110524_032958_000060573102_00406_48265_6065.N1	40	24-MAY-2011 03:37:10
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110524_051613_000054193102_00407_48266_6066.N1	59	24-MAY-2011 05:17:24

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ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110524_175600_000054193102_00415_48274_4649.N1	199	24-MAY-2011 17:56:21
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110524_193139_000057383102_00416_48275_4650.N1	216	24-MAY-2011 19:34:46
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110524_102956_20110523_195508_20110602_202841	234	24-MAY-2011 21:15:00
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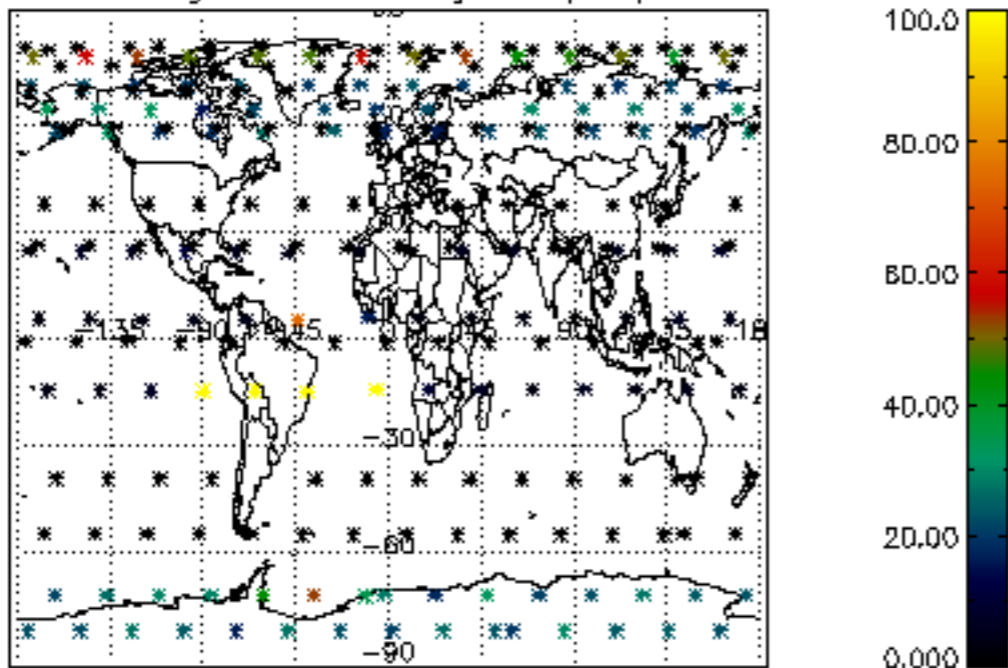




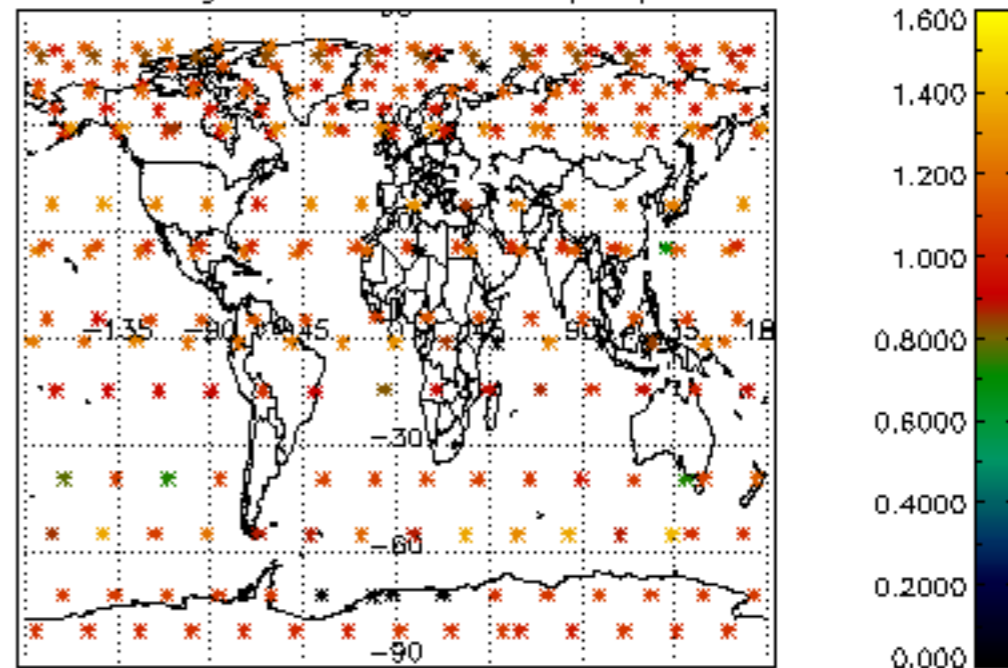




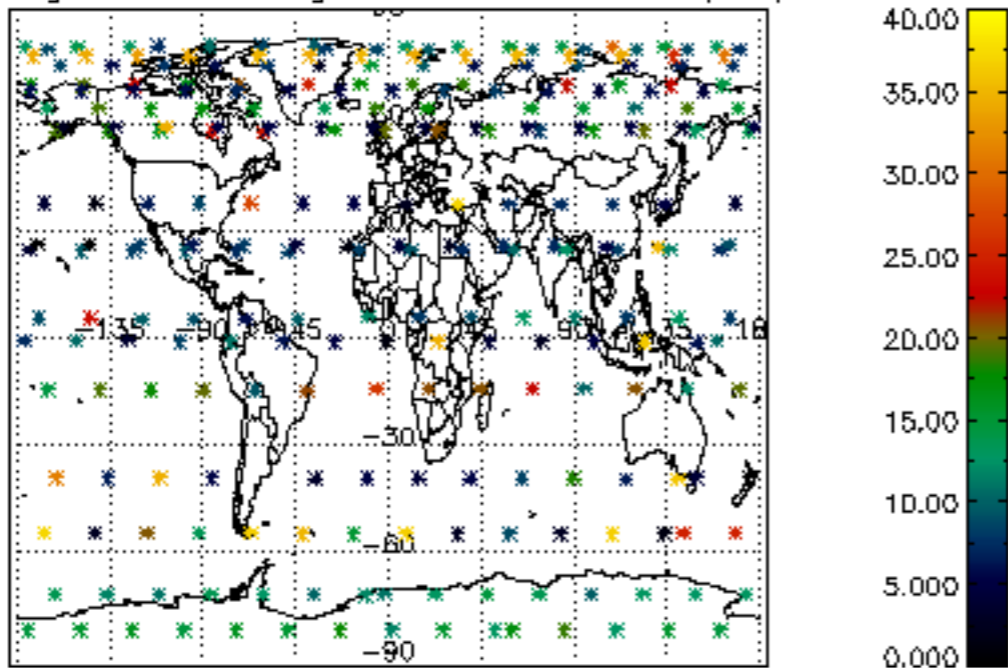
Percentage of cosmic ray hits per profile



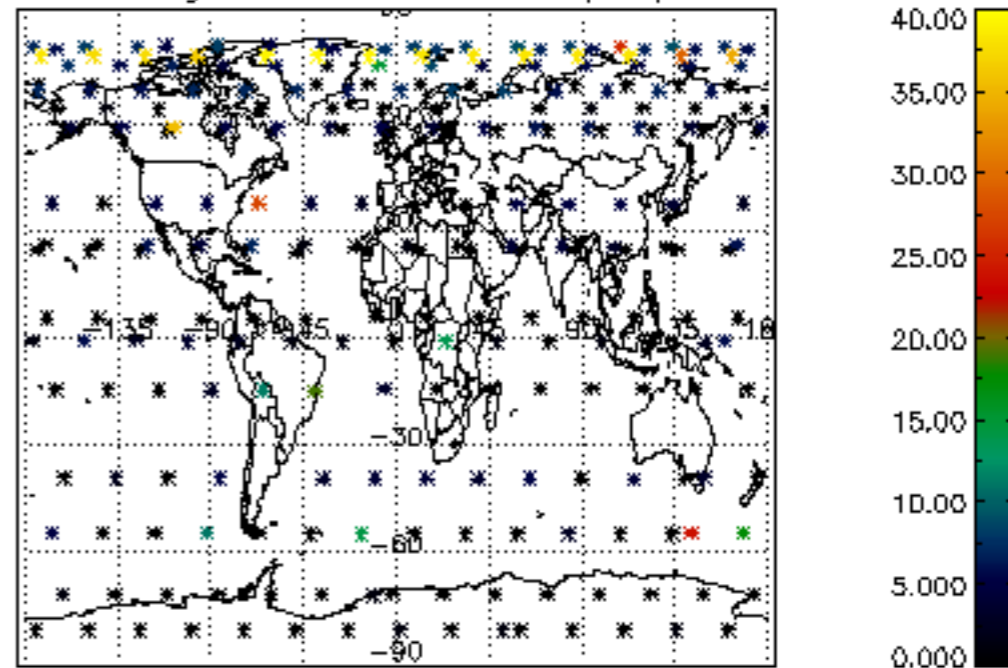
Percentage of datation errors per profile



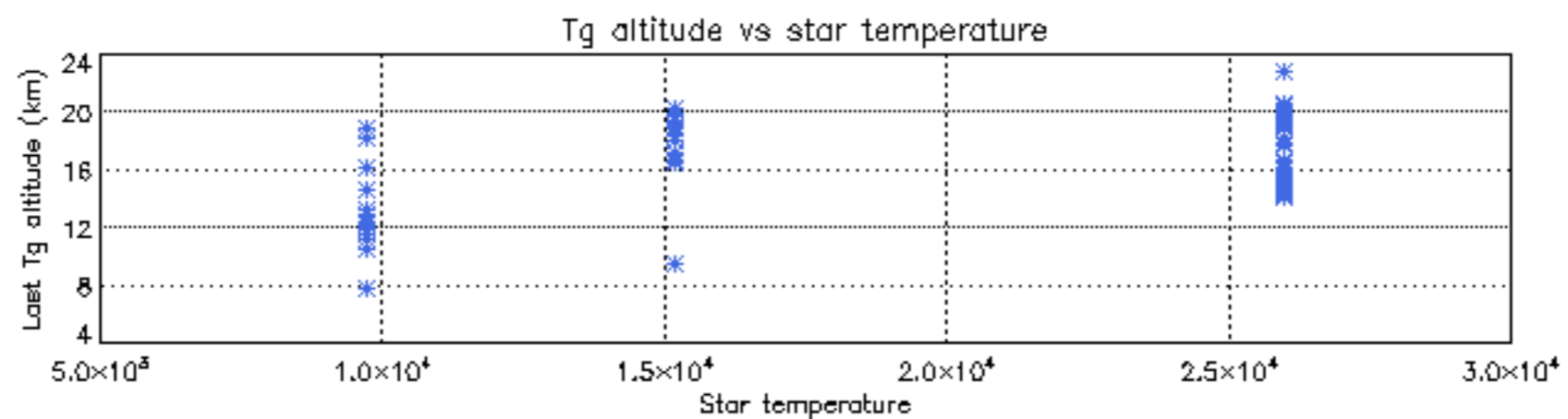
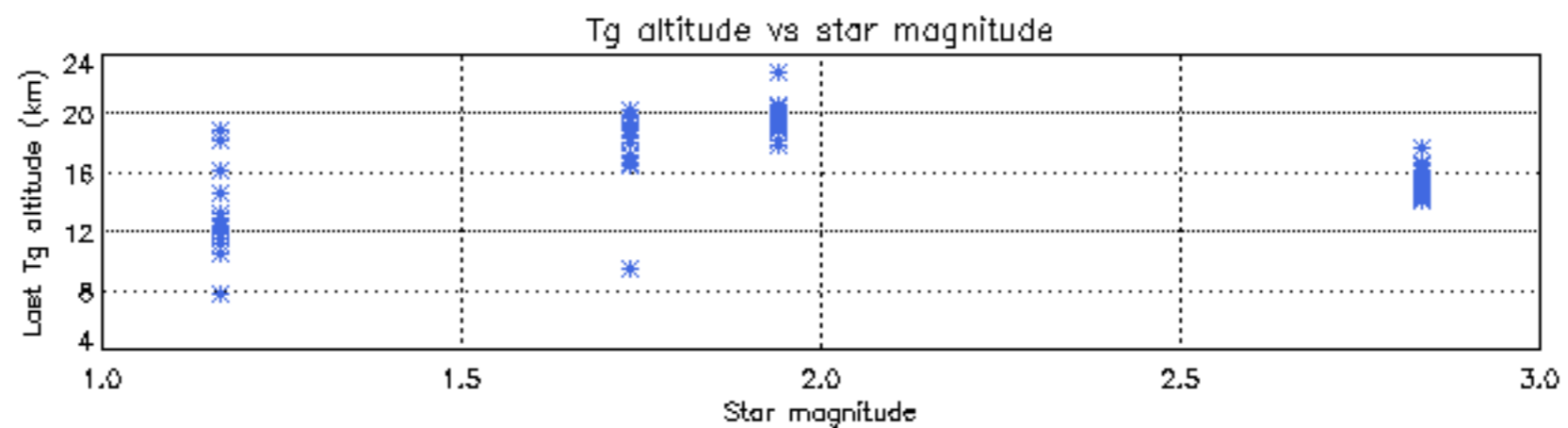
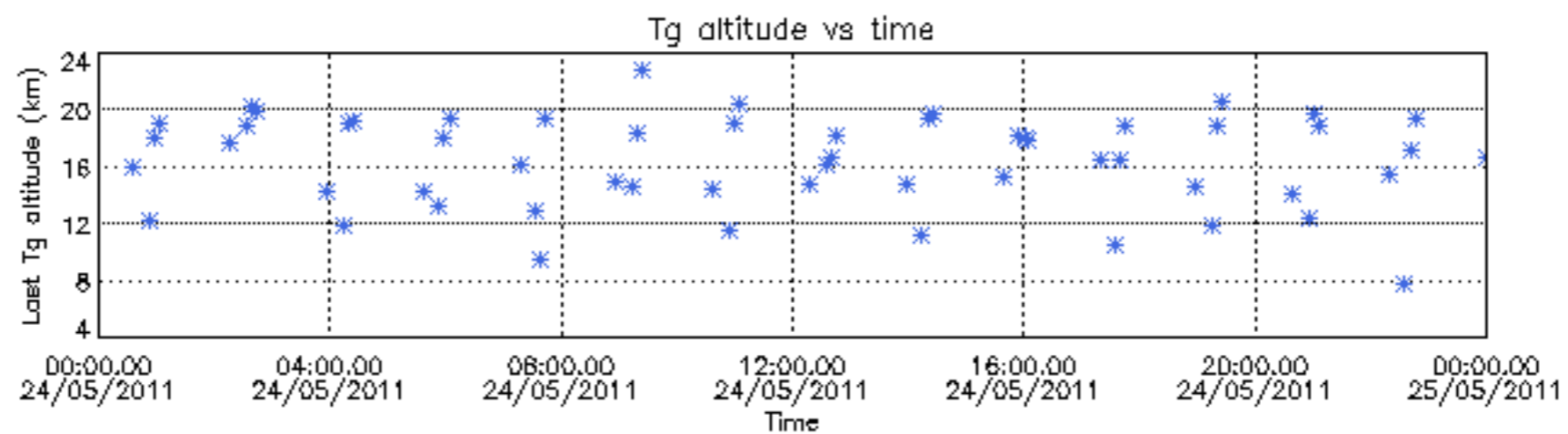
Percentage of star falling outside central band per profile



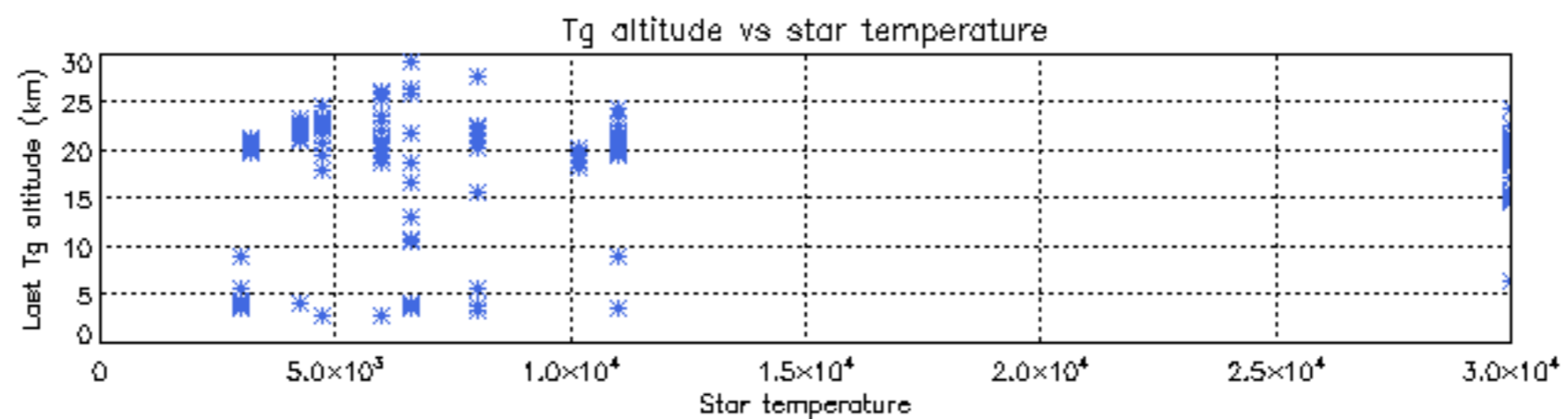
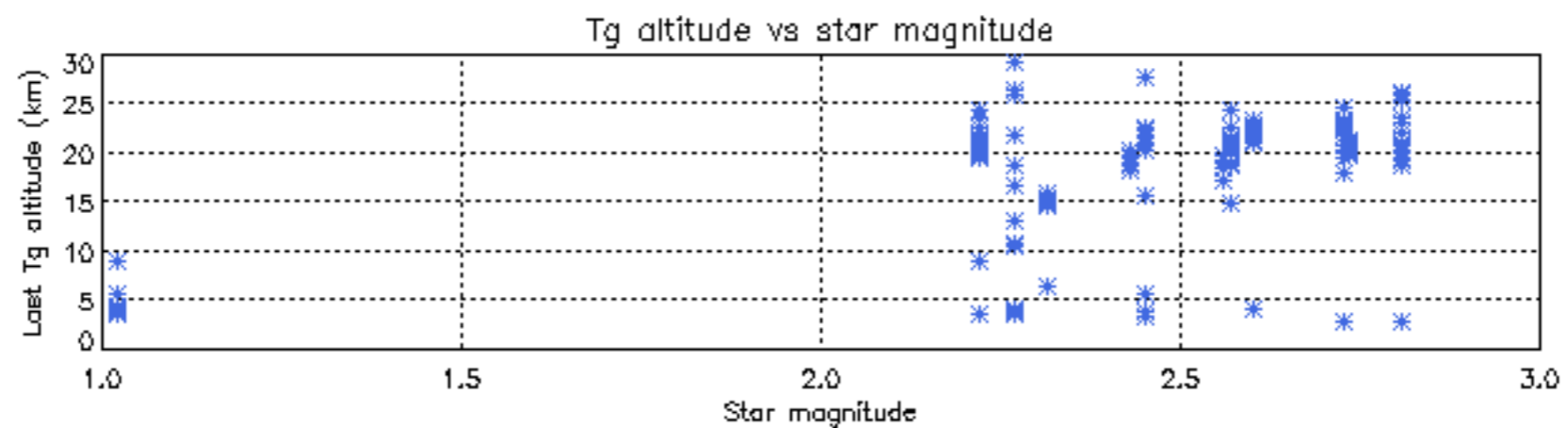
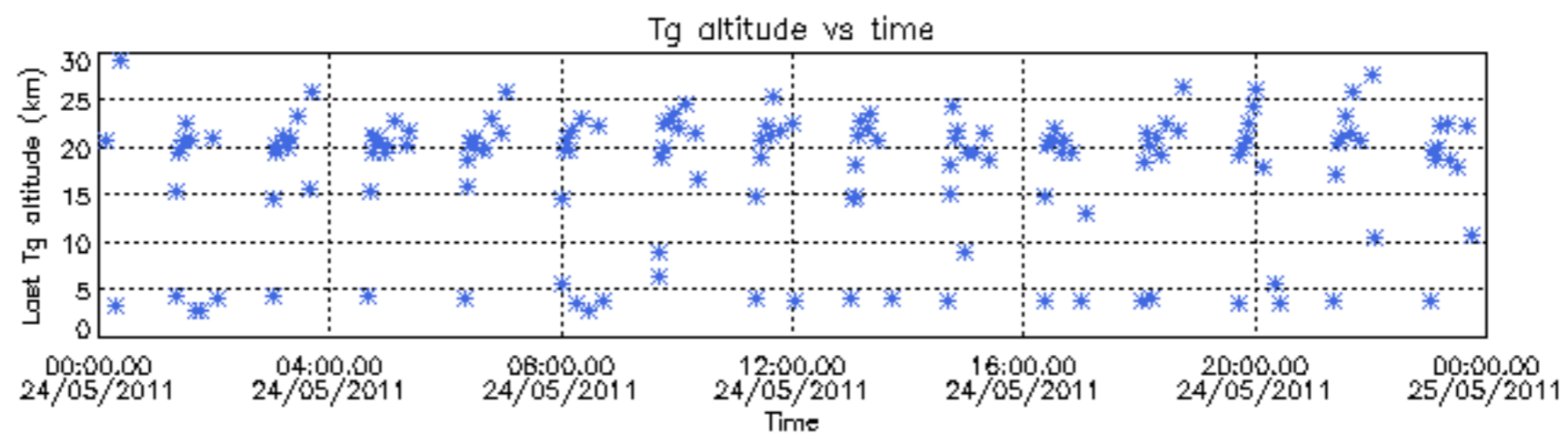
Percentage of saturation errors per profile

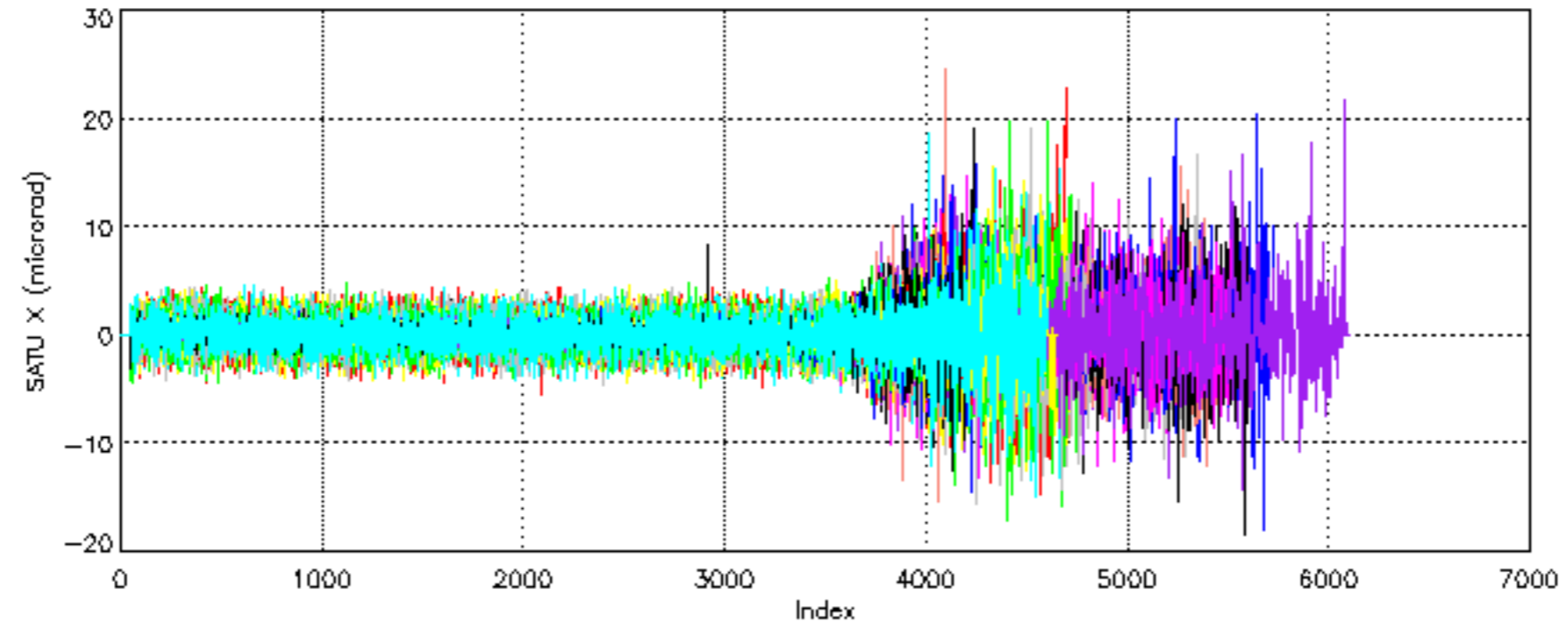


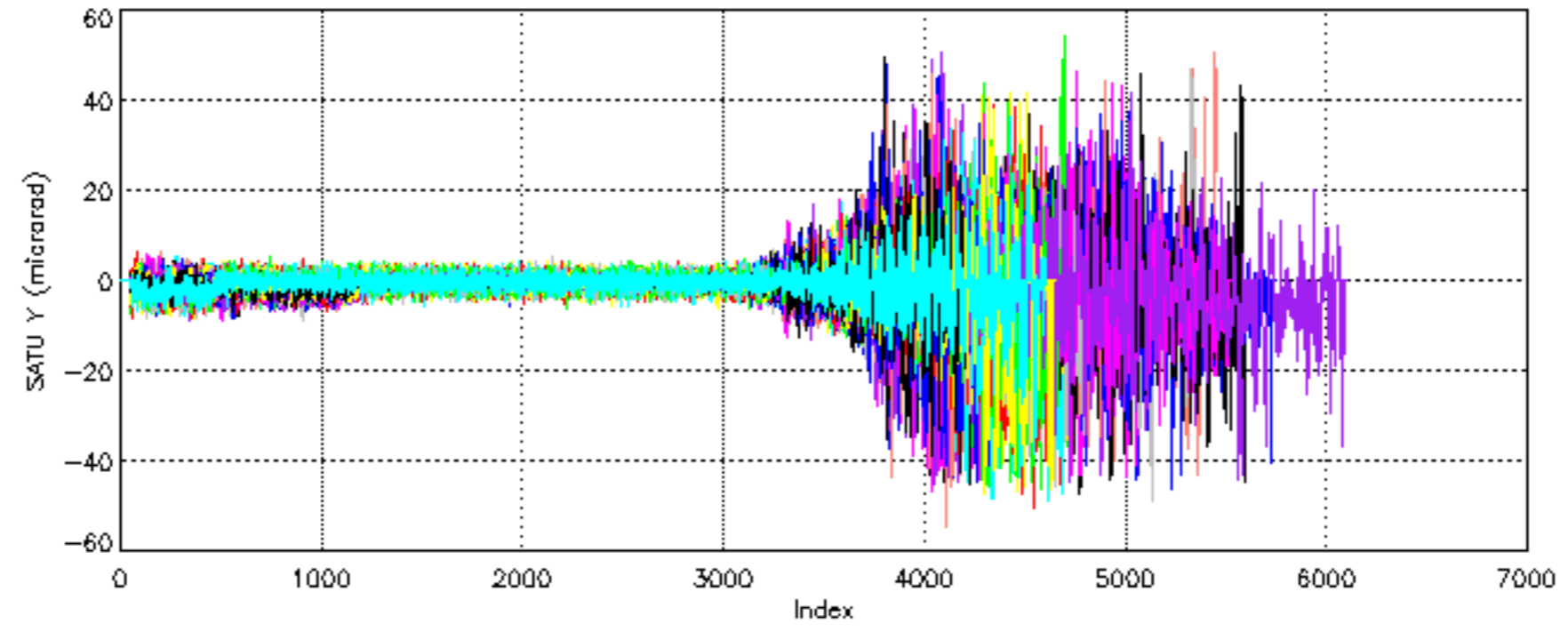
Tangent altitude at which the star is lost

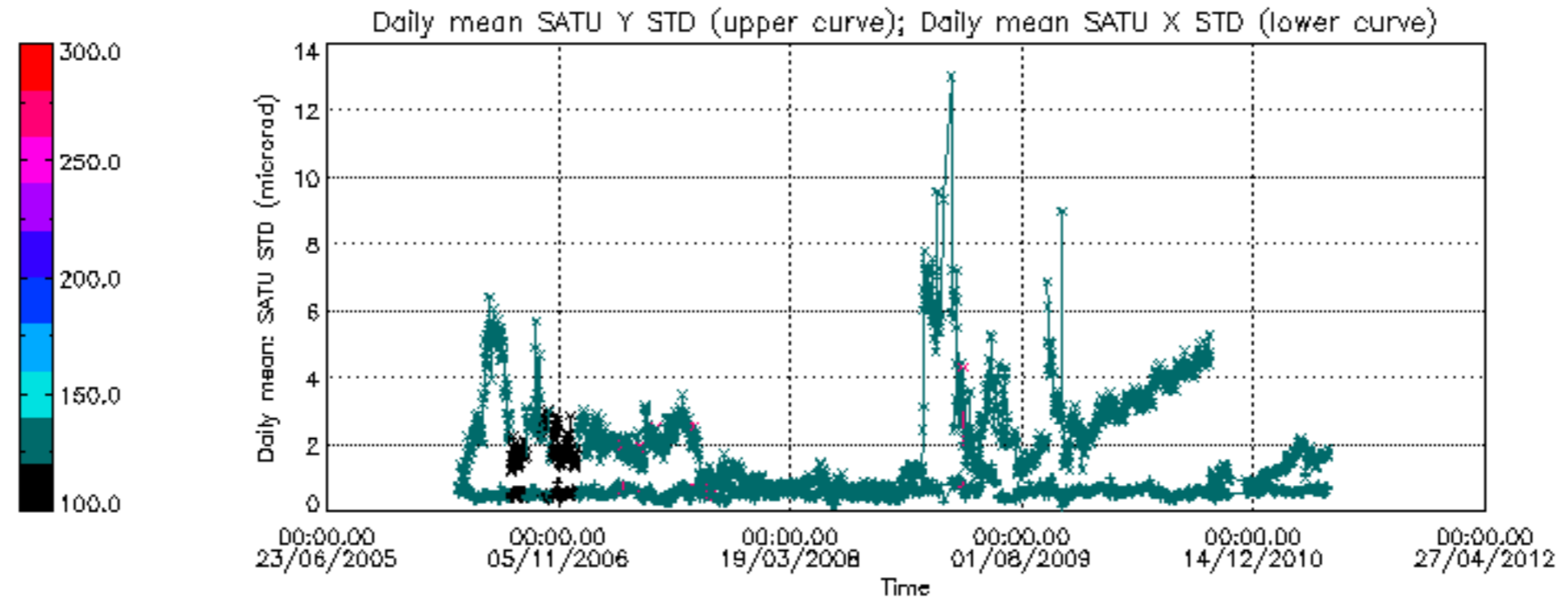


Tangent altitude at which the star is lost










```

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 3; -57.9; 11-MAY-2011 00:31:16; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;48076
 4; 276.6; 11-MAY-2011 00:36:50; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48077
 5; 717.5; 11-MAY-2011 00:44:11; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;48077
 6; 860.3; 11-MAY-2011 00:46:34; Dark ; 55.0; 40; The Sco ; 1.86; 7100;occ; 110; 0;48077
 7; 970.8; 11-MAY-2011 00:48:24; Dark ; 57.5; 25; 35Lam Sco ; 1.62; 28000;occ; 115; 0;48077
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10; 1429.3; 11-MAY-2011 00:56:03; Dark ; 56.0; 80; 7Del Sco ; 2.32; 30000;occ; 112; 0;48077
11; 1597.0; 11-MAY-2011 00:58:51; Bright; 39.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 79; 0;48077
12; 1713.5; 11-MAY-2011 01:00:47; Bright; 40.5; 104; 27Bet Lib ; 2.61; 13100;occ; 81; 0;48077
13; 2053.5; 11-MAY-2011 01:06:27; Bright; 48.5; 102; 24Alp Ser ; 2.60; 4250;occ; 97; 0;48077
14; 2224.0; 11-MAY-2011 01:09:18; Bright; 38.0; 3; 16Alp Boo ;-0.05; 4250;occ; 76; 0;48077
15; 2382.3; 11-MAY-2011 01:11:56; Bright; 42.5; 83; ; 2.38; 11000;occ; 85; 0;48077
16; 2568.3; 11-MAY-2011 01:15:02; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;48077
17; 3105.1; 11-MAY-2011 01:23:59; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;48077
18; 3754.5; 11-MAY-2011 01:34:48; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;48077
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20; 4542.4; 11-MAY-2011 01:47:56; Dark ; 59.0; 93; 53Bet Peg ; 2.52; 3100;occ; 118; 0;48077
21; 4723.8; 11-MAY-2011 01:50:57; Dark ; 41.0; 140; 88Gam Peg ; 2.83; 26000;occ; 82; 0;48077
22; 4807.3; 11-MAY-2011 01:52:21; Dark ; 50.0; 90; 54Alp Peg ; 2.49; 11000;occ; 100; 0;48077
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 6; 718.0; 11-MAY-2011 02:24:26; Dark ; 50.5; 141; Bet Ara ; 2.84; 4600;occ; 101; 0;48078
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 9; 1124.4; 11-MAY-2011 02:31:12; Dark ; 53.5; 75; 26Eps Sco ; 2.29; 4250;occ; 107; 0;48078
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 6; -406.4; 11-MAY-2011 03:45:55; Dark ; 48.5; 18; 24Alp PsA ; 1.17; 9700;occ; 97; 0;48078
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11; 718.9; 11-MAY-2011 04:04:40; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;48079
12; 861.7; 11-MAY-2011 04:07:03; Dark ; 53.5; 40; The Sco ; 1.86; 7100;occ; 107; 0;48079
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10; 2014.3; 21-MAY-2011 20:01:57; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;48232
11; 2383.0; 21-MAY-2011 20:08:05; Bright; 40.5; 67; 5Alp CrB ; 2.22; 11000;occ; 81; 0;48232
12; 2599.6; 21-MAY-2011 20:11:42; Bright; 51.0; 133; 40Zet Her ; 2.81; 6000;occ; 102; 0;48232
13; 3034.6; 21-MAY-2011 20:18:57; Bright; 59.0; 119; 14Eta Dra ; 2.73; 4700;occ; 118; 0;48232
14; 3135.1; 21-MAY-2011 20:20:37; Bright; 54.5; 69; 33Gam Dra ; 2.23; 3800;occ; 109; 0;48232
15; 3683.8; 21-MAY-2011 20:29:46; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48232
16; 3933.5; 21-MAY-2011 20:33:56; Bright; 57.0; 74; 11Bet Cas ; 2.27; 6600;occ; 114; 0;48232
17; 4507.5; 21-MAY-2011 20:43:30; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;48232
18; 4770.7; 21-MAY-2011 20:47:53; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;48232
19; 4893.6; 21-MAY-2011 20:49:56; Dark ; 58.0; 90; 54Alp Peg ; 2.49; 11000;occ; 116; 0;48232

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2; -117.8; 21-MAY-2011 21:06:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48232
3; 62.3; 21-MAY-2011 21:09:39; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;48233
4; 385.9; 21-MAY-2011 21:15:02; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;48233
5; 863.2; 21-MAY-2011 21:23:00; Dark ; 44.0; 147; Alp Ara ; 2.88; 26000;occ; 88; 0;48233
6; 959.4; 21-MAY-2011 21:24:36; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;48233
7; 1069.7; 21-MAY-2011 21:26:26; Dark ; 54.5; 25; 35Lam Sco ; 1.62; 28000;occ; 109; 0;48233
8; 1194.2; 21-MAY-2011 21:28:30; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;48233
9; 1366.9; 21-MAY-2011 21:31:23; Dark ; 61.0; 16; 21Alp Sco ; 1.02; 3000;occ; 122; 0;48233
10; 1462.2; 21-MAY-2011 21:32:59; Bright; 51.0; 80; 7Del Sco ; 2.32; 30000;occ; 102; 0;48233
11; 1566.3; 21-MAY-2011 21:34:43; Bright; 54.0; 86; 35Eta Oph ; 2.43; 10200;occ; 108; 0;48233
12; 1689.0; 21-MAY-2011 21:36:45; Bright; 47.0; 98; 13Zet Oph ; 2.57; 30000;occ; 94; 0;48233
13; 1829.2; 21-MAY-2011 21:39:06; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;48233
14; 2013.9; 21-MAY-2011 21:42:10; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;48233
15; 2382.6; 21-MAY-2011 21:48:19; Bright; 40.0; 67; 5Alp CrB ; 2.22; 11000;occ; 80; 0;48233
16; 2598.9; 21-MAY-2011 21:51:55; Bright; 47.5; 133; 40Zet Her ; 2.81; 6000;occ; 95; 0;48233
17; 3034.2; 21-MAY-2011 21:59:10; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;48233
18; 3134.2; 21-MAY-2011 22:00:51; Bright; 55.0; 69; 33Gam Dra ; 2.23; 3800;occ; 110; 0;48233
19; 3683.1; 21-MAY-2011 22:09:59; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;48233
20; 3933.3; 21-MAY-2011 22:14:10; Bright; 42.5; 74; 11Bet Cas ; 2.27; 6600;occ; 85; 0;48233
21; 4507.7; 21-MAY-2011 22:23:44; Dark ; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;48233
22; 4771.0; 21-MAY-2011 22:28:07; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;48233
23; 4894.1; 21-MAY-2011 22:30:10; Dark ; 60.0; 90; 54Alp Peg ; 2.49; 11000;occ; 120; 0;48233

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2; -116.8; 21-MAY-2011 22:46:53; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48233
3; 63.2; 21-MAY-2011 22:49:53; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;48234
4; 386.7; 21-MAY-2011 22:55:17; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48234

5; 863.7; 21-MAY-2011 23:03:14; Dark ; 41.5; 147; Alp Ara ; 2.88; 26000;occ; 83; 0;48234
6; 959.7; 21-MAY-2011 23:04:50; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;48234
7; 1070.4; 21-MAY-2011 23:06:41; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;48234
8; 1194.5; 21-MAY-2011 23:08:45; Dark ; 50.5; 75; 26Eps Sco ; 2.29; 4250;occ; 101; 0;48234
9; 1366.9; 21-MAY-2011 23:11:37; Dark ; 54.5; 16; 21Alp Sco ; 1.02; 3000;occ; 109; 0;48234
10; 1462.4; 21-MAY-2011 23:13:13; Bright; 44.0; 80; 7Del Sco ; 2.32; 30000;occ; 88; 0;48234
11; 1566.3; 21-MAY-2011 23:14:57; Bright; 53.0; 86; 35Eta Oph ; 2.43; 10200;occ; 106; 0;48234
12; 1688.8; 21-MAY-2011 23:16:59; Bright; 48.5; 98; 13Zet Oph ; 2.57; 30000;occ; 97; 0;48234
13; 1829.1; 21-MAY-2011 23:19:19; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;48234
14; 2013.7; 21-MAY-2011 23:22:24; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;48234
15; 2382.2; 21-MAY-2011 23:28:32; Bright; 40.0; 67; 5Alp CrB ; 2.22; 11000;occ; 80; 0;48234
16; 2598.1; 21-MAY-2011 23:32:08; Bright; 52.5; 133; 40Zet Her ; 2.81; 6000;occ; 105; 0;48234
17; 3033.6; 21-MAY-2011 23:39:24; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;48234
18; 3133.1; 21-MAY-2011 23:41:03; Bright; 47.0; 69; 33Gam Dra ; 2.23; 3800;occ; 94; 0;48234
19; 3682.8; 21-MAY-2011 23:50:13; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;48234
20; 3933.3; 21-MAY-2011 23:54:23; Bright; 38.0; 74; 11Bet Cas ; 2.27; 6600;occ; 76; 0;48234
21; 4507.8; 22-MAY-2011 00:03:58; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;48234
22; 4771.3; 22-MAY-2011 00:08:22; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;48234
23; 4895.0; 22-MAY-2011 00:10:25; Dark ; 61.0; 90; 54Alp Peg ; 2.49; 11000;occ; 122; 0;48234

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2; 1193.4; 21-MAY-2011 18:08:02; Dark ; 52.0; 75; 26Eps Sco ; 2.29; 4250;occ; 104; 0;48231
3; 1366.4; 21-MAY-2011 18:10:55; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;48231
4; 1461.9; 21-MAY-2011 18:12:30; Bright; 44.5; 80; 7Del Sco ; 2.32; 30000;occ; 89; 0;48231
5; 1566.3; 21-MAY-2011 18:14:15; Bright; 54.5; 86; 35Eta Oph ; 2.43; 10200;occ; 109; 0;48231
6; 1689.1; 21-MAY-2011 18:16:17; Bright; 48.5; 98; 13Zet Oph ; 2.57; 30000;occ; 97; 0;48231
7; 1829.6; 21-MAY-2011 18:18:38; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;48231
8; 2014.4; 21-MAY-2011 18:21:43; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;48231
9; 2383.3; 21-MAY-2011 18:27:52; Bright; 39.5; 67; 5Alp CrB ; 2.22; 11000;occ; 79; 0;48231
10; 2600.5; 21-MAY-2011 18:31:29; Bright; 51.5; 133; 40Zet Her ; 2.81; 6000;occ; 103; 0;48231
11; 3035.2; 21-MAY-2011 18:38:44; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;48231
12; 3136.2; 21-MAY-2011 18:40:24; Bright; 55.0; 69; 33Gam Dra ; 2.23; 3800;occ; 110; 0;48231
13; 3684.4; 21-MAY-2011 18:49:33; Bright; 53.5; 89; 5Alp Cep ; 2.45; 8000;occ; 107; 0;48231
14; 3933.7; 21-MAY-2011 18:53:42; Bright; 36.0; 74; 11Bet Cas ; 2.27; 6600;occ; 72; 0;48231
15; 4507.6; 21-MAY-2011 19:03:16; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;48231
16; 4770.4; 21-MAY-2011 19:07:39; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;48231
17; 4892.9; 21-MAY-2011 19:09:41; Dark ; 63.5; 90; 54Alp Peg ; 2.49; 11000;occ; 127; 0;48231
18; 5734.8; 21-MAY-2011 19:23:43; Dark ; 55.5; 18; 24Alp PsA ; 1.17; 9700;occ; 111; 0;48231
19; 5895.2; 21-MAY-2011 19:26:24; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48231
20; 6075.6; 21-MAY-2011 19:29:24; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;48232
21; 6399.4; 21-MAY-2011 19:34:48; Dark ; 46.5; 45; Alp Pav ; 1.94; 26000;occ; 93; 0;48232
22; 6876.9; 21-MAY-2011 19:42:45; Dark ; 41.0; 147; Alp Ara ; 2.88; 26000;occ; 82; 0;48232
23; 6972.9; 21-MAY-2011 19:44:21; Dark ; 4.5; 40; The Sco ; 1.86; 7100;occ; 9; 0;48232

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2; -115.8; 22-MAY-2011 00:27:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48234
3; 64.0; 22-MAY-2011 00:30:08; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;48235
4; 387.3; 22-MAY-2011 00:35:31; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48235
5; 864.1; 22-MAY-2011 00:43:28; Dark ; 44.0; 147; Alp Ara ; 2.88; 26000;occ; 88; 0;48235
6; 960.5; 22-MAY-2011 00:45:05; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;48235
7; 1070.8; 22-MAY-2011 00:46:55; Dark ; 52.5; 25; 35Lam Sco ; 1.62; 28000;occ; 105; 0;48235
8; 1194.7; 22-MAY-2011 00:48:59; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;48235
9; 1367.2; 22-MAY-2011 00:51:51; Dark ; 61.0; 16; 21Alp Sco ; 1.02; 3000;occ; 122; 0;48235
10; 1462.5; 22-MAY-2011 00:53:27; Bright; 46.0; 80; 7Del Sco ; 2.32; 30000;occ; 92; 0;48235
11; 1566.6; 22-MAY-2011 00:55:11; Bright; 54.5; 86; 35Eta Oph ; 2.43; 10200;occ; 109; 0;48235
12; 1688.9; 22-MAY-2011 00:57:13; Bright; 47.5; 98; 13Zet Oph ; 2.57; 30000;occ; 95; 0;48235
13; 1828.9; 22-MAY-2011 00:59:33; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;48235
14; 2013.6; 22-MAY-2011 01:02:38; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;48235
15; 2382.1; 22-MAY-2011 01:08:46; Bright; 41.0; 67; 5Alp CrB ; 2.22; 11000;occ; 82; 0;48235
16; 2597.2; 22-MAY-2011 01:12:21; Bright; 51.0; 133; 40Zet Her ; 2.81; 6000;occ; 102; 0;48235
17; 3033.4; 22-MAY-2011 01:19:38; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;48235
18; 3132.4; 22-MAY-2011 01:21:17; Bright; 54.5; 69; 33Gam Dra ; 2.23; 3800;occ; 109; 0;48235
19; 3682.3; 22-MAY-2011 01:30:26; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;48235
20; 3933.3; 22-MAY-2011 01:34:37; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;48235
21; 4508.1; 22-MAY-2011 01:44:12; Dark ; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;48235
22; 4771.8; 22-MAY-2011 01:48:36; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;48235
23; 4895.7; 22-MAY-2011 01:50:40; Dark ; 60.5; 90; 54Alp Peg ; 2.49; 11000;occ; 121; 0;48235

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 2; -114.7; 22-MAY-2011 02:07:23; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48235
 3; 64.8; 22-MAY-2011 02:10:23; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;48236
 4; 388.4; 22-MAY-2011 02:15:46; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48236
 5; 864.9; 22-MAY-2011 02:23:43; Dark ; 44.0; 147; Alp Ara ; 2.88; 26000;occ; 88; 0;48236
 6; 961.1; 22-MAY-2011 02:25:19; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;48236
 7; 1071.3; 22-MAY-2011 02:27:09; Dark ; 50.0; 25; 35Lam Sco ; 1.62; 28000;occ; 100; 0;48236
 8; 1195.1; 22-MAY-2011 02:29:13; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;48236
 9; 1367.5; 22-MAY-2011 02:32:06; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;48236
 10; 1462.7; 22-MAY-2011 02:33:41; Bright; 46.5; 80; 7Del Sco ; 2.32; 30000;occ; 93; 0;48236
 11; 1566.7; 22-MAY-2011 02:35:25; Bright; 54.0; 86; 35Eta Oph ; 2.43; 10200;occ; 108; 0;48236
 12; 1688.8; 22-MAY-2011 02:37:27; Bright; 48.0; 98; 13Zet Oph ; 2.57; 30000;occ; 96; 0;48236
 13; 1829.0; 22-MAY-2011 02:39:47; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;48236
 14; 2013.6; 22-MAY-2011 02:42:52; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;48236
 15; 2381.7; 22-MAY-2011 02:49:00; Bright; 43.0; 67; 5Alp CrB ; 2.22; 11000;occ; 86; 0;48236
 16; 2596.5; 22-MAY-2011 02:52:35; Bright; 49.0; 133; 40Zet Her ; 2.81; 6000;occ; 98; 0;48236
 17; 3033.2; 22-MAY-2011 02:59:51; Bright; 59.0; 119; 14Eta Dra ; 2.73; 4700;occ; 118; 0;48236
 18; 3131.3; 22-MAY-2011 03:01:29; Bright; 54.5; 69; 33Gam Dra ; 2.23; 3800;occ; 109; 0;48236

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 2;-2080.8; 22-MAY-2011 03:14:51; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;48236
 3;-1505.8; 22-MAY-2011 03:24:26; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;48236
 4;-1241.7; 22-MAY-2011 03:28:50; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;48236
 5;-1117.6; 22-MAY-2011 03:30:54; Dark ; 62.5; 90; 54Alp Peg ; 2.49; 11000;occ; 125; 0;48236
 6; -274.6; 22-MAY-2011 03:44:57; Dark ; 57.0; 18; 24Alp PsA ; 1.17; 9700;occ; 114; 0;48236
 7; -113.7; 22-MAY-2011 03:47:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48236
 8; 66.0; 22-MAY-2011 03:50:38; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;48237
 9; 389.0; 22-MAY-2011 03:56:01; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48237
 10; 865.4; 22-MAY-2011 04:03:57; Dark ; 43.0; 147; Alp Ara ; 2.88; 26000;occ; 86; 0;48237
 11; 961.6; 22-MAY-2011 04:05:34; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;48237
 12; 1072.2; 22-MAY-2011 04:07:24; Dark ; 52.0; 25; 35Lam Sco ; 1.62; 28000;occ; 104; 0;48237
 13; 1195.8; 22-MAY-2011 04:09:28; Dark ; 48.0; 75; 26Eps Sco ; 2.29; 4250;occ; 96; 0;48237
 14; 1368.1; 22-MAY-2011 04:12:20; Dark ; 57.5; 16; 21Alp Sco ; 1.02; 3000;occ; 115; 0;48237
 15; 1463.1; 22-MAY-2011 04:13:55; Bright; 58.0; 80; 7Del Sco ; 2.32; 30000;occ; 116; 0;48237
 16; 1567.0; 22-MAY-2011 04:15:39; Bright; 53.0; 86; 35Eta Oph ; 2.43; 10200;occ; 106; 0;48237
 17; 1689.0; 22-MAY-2011 04:17:41; Bright; 47.5; 98; 13Zet Oph ; 2.57; 30000;occ; 95; 0;48237
 18; 1829.1; 22-MAY-2011 04:20:01; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;48237
 19; 2013.6; 22-MAY-2011 04:23:06; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;48237
 20; 2381.6; 22-MAY-2011 04:29:14; Bright; 41.5; 67; 5Alp CrB ; 2.22; 11000;occ; 83; 0;48237
 21; 2595.8; 22-MAY-2011 04:32:48; Bright; 50.5; 133; 40Zet Her ; 2.81; 6000;occ; 101; 0;48237
 22; 3032.8; 22-MAY-2011 04:40:05; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;48237
 23; 3130.4; 22-MAY-2011 04:41:43; Bright; 50.0; 69; 33Gam Dra ; 2.23; 3800;occ; 100; 0;48237

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 2;-2081.0; 22-MAY-2011 04:55:05; Bright; 52.5; 74; 11Bet Cas ; 2.27; 6600;occ; 105; 0;48237
 3;-1505.8; 22-MAY-2011 05:04:40; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;48237
 4;-1241.4; 22-MAY-2011 05:09:05; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;48237
 5;-1117.0; 22-MAY-2011 05:11:09; Dark ; 62.0; 90; 54Alp Peg ; 2.49; 11000;occ; 124; 0;48237
 6; -273.6; 22-MAY-2011 05:25:13; Dark ; 53.0; 18; 24Alp PsA ; 1.17; 9700;occ; 106; 0;48237
 7; -112.7; 22-MAY-2011 05:27:53; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48237
 8; 66.7; 22-MAY-2011 05:30:53; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;48238
 9; 389.6; 22-MAY-2011 05:36:16; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48238
 10; 866.1; 22-MAY-2011 05:44:12; Dark ; 43.5; 147; Alp Ara ; 2.88; 26000;occ; 87; 0;48238
 11; 962.1; 22-MAY-2011 05:45:48; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;48238
 12; 1072.6; 22-MAY-2011 05:47:39; Dark ; 50.5; 25; 35Lam Sco ; 1.62; 28000;occ; 101; 0;48238
 13; 1196.1; 22-MAY-2011 05:49:42; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;48238
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 11; 4773.4; 22-MAY-2011 08:29:34; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;48239
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