

GOMOS Daily Report 12-JUN-2011

Level 0 and Level 1 products

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

Item	Value
Time of report generation	15JUN2011 07:05:27
Data source version	GOMOS/6.01
Start time of products	12JUN2011 00:00:07
Stop time of products	12JUN2011 23:59:00
Store outputs in DB	Yes
Nb of level 1b prods	279
Nb of prods with errors	0

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

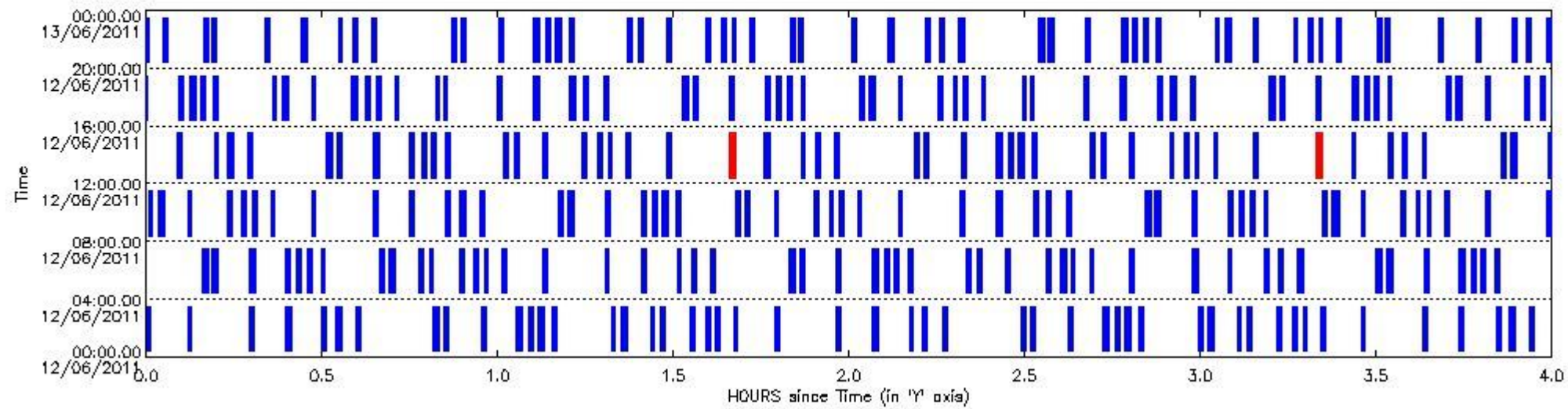
2.1 Level 0 products arrived in PCF (see template [here](#))

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
12-JUN-2011 13:39:30	5AlpCep	89	48544
12-JUN-2011 15:19:43	5AlpCep	89	48545

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_1PNPDE20110612_000007_000000383103_00246_48536_4884.N1	12-JUN-2011 00:00:07	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	48536	No
2	GOM_TRA_1PNPDE20110612_000703_000000423103_00246_48536_4885.N1	12-JUN-2011 00:07:03	Bright	42.000	130	23Bet Dra	2.7990	5800.0	84	48536	No
3	GOM_TRA_1PNPDE20110612_001736_000000463103_00246_48536_4886.N1	12-JUN-2011 00:17:36	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	48536	No
4	GOM_TRA_1PNPDE20110612_002345_000000633103_00246_48536_4887.N1	12-JUN-2011 00:23:45	Bright	63.000	74	11Bet Cas	2.2680	6600.0	126	48536	No
5	GOM_TRA_1PNPDE20110612_003000_000000473103_00246_48536_4888.N1	12-JUN-2011 00:30:00	Bright	47.000	73	57Gam1And	2.2600	13100.	94	48536	No
6	GOM_TRA_1PNPDE20110612_003219_000000563103_00246_48536_4889.N1	12-JUN-2011 00:32:19	Twilight	56.000	53	43Bet And	2.0480	3300.0	112	48536	No
7	GOM_TRA_1PNPDE20110612_003542_000000503103_00246_48536_4890.N1	12-JUN-2011 00:35:42	Twilight	50.000	50	13Alp Ari	2.0070	4250.0	100	48536	No
8	GOM_TRA_1PNPDE20110612_005046_000000523103_00246_48536_4899.N1	12-JUN-2011 00:50:46	Dark	52.000	52	16Bet Cet	2.0370	4500.0	104	48536	No
9	GOM_TRA_1PNPDE20110612_005708_000000473103_00246_48536_4900.N1	12-JUN-2011 00:57:08	Dark	47.000	84	Alp Phe	2.3970	4500.0	94	48536	No

10	GOM_TRA_1PNPDE20110612_010310_000000603103_00247_48537_4901.N1	12-JUN-2011 01:03:10	Dark	60.000	63	Bet Gru	2.1500	2800.0	120	48537	No
11	GOM_TRA_1PNPDE20110612_010512_000000513103_00247_48537_4902.N1	12-JUN-2011 01:05:12	Dark	50.500	31	Alp Gru	1.7340	15200.	101	48537	No
12	GOM_TRA_1PNPDE20110612_010650_000000593103_00247_48537_4903.N1	12-JUN-2011 01:06:50	Straylight	58.500	172	Gam Gru	3.0030	13100.	117	48537	No
13	GOM_TRA_1PNPDE20110612_010919_000000443103_00247_48537_4904.N1	12-JUN-2011 01:09:19	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	48537	No
14	GOM_TRA_1PNPDE20110612_011923_000000443103_00247_48537_4905.N1	12-JUN-2011 01:19:23	Twilight	43.500	25	35Lam Sco	1.6200	28000.	87	48537	No
15	GOM_TRA_1PNPDE20110612_012103_000000643103_00247_48537_4906.N1	12-JUN-2011 01:21:03	Bright	64.000	57	34Sig Sgr	2.0660	26000.	128	48537	No
16	GOM_TRA_1PNPDE20110612_012604_000000413103_00247_48537_4907.N1	12-JUN-2011 01:26:04	Bright	40.500	86	35Eta Oph	2.4300	10200.	81	48537	No
17	GOM_TRA_1PNPDE20110612_012750_000000383103_00247_48537_4908.N1	12-JUN-2011 01:27:50	Bright	38.000	98	13Zet Oph	2.5710	30000.	76	48537	No
18	GOM_TRA_1PNPDE20110612_013253_000000473103_00247_48537_4909.N1	12-JUN-2011 01:32:53	Bright	46.500	126	60Bet Oph	2.7700	4250.0	93	48537	No
19	GOM_TRA_1PNPDE20110612_013527_000000463103_00247_48537_4910.N1	12-JUN-2011 01:35:27	Bright	46.000	59	55Alp Oph	2.0800	8900.0	92	48537	No
20	GOM_TRA_1PNPDE20110612_013715_000000373103_00247_48537_4911.N1	12-JUN-2011 01:37:15	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	48537	No
21	GOM_TRA_1PNPDE20110612_014021_000000403103_00247_48537_4912.N1	12-JUN-2011 01:40:21	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	48537	No
22	GOM_TRA_1PNPDE20110612_014717_000000463103_00247_48537_4913.N1	12-JUN-2011 01:47:17	Bright	46.000	130	23Bet Dra	2.7990	5800.0	92	48537	No
23	GOM_TRA_1PNPDE20110612_015749_000000453103_00247_48537_4914.N1	12-JUN-2011 01:57:49	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	48537	No
24	GOM_TRA_1PNPDE20110612_020358_000000633103_00247_48537_4915.N1	12-JUN-2011 02:03:58	Bright	63.000	74	11Bet Cas	2.2680	6600.0	126	48537	No
25	GOM_TRA_1PNPDE20110612_021014_000000403103_00247_48537_4916.N1	12-JUN-2011 02:10:14	Bright	39.500	73	57Gam1And	2.2600	13100.	79	48537	No
26	GOM_TRA_1PNPDE20110612_021233_000000513103_00247_48537_4917.N1	12-JUN-2011 02:12:33	Twilight	51.000	53	43Bet And	2.0480	3300.0	102	48537	No
27	GOM_TRA_1PNPDE20110612_021556_000000463103_00247_48537_4918.N1	12-JUN-2011 02:15:56	Twilight	46.000	50	13Alp Ari	2.0070	4250.0	92	48537	No
28	GOM_TRA_1PNPDE20110612_023101_000000533103_00247_48537_4924.N1	12-JUN-2011 02:31:01	Dark	52.500	52	16Bet Cet	2.0370	4500.0	105	48537	No
29	GOM_TRA_1PNPDE20110612_023723_000000433103_00247_48537_4925.N1	12-JUN-2011 02:37:23	Dark	43.000	84	Alp Phe	2.3970	4500.0	86	48537	No
30	GOM_TRA_1PNPDE20110612_024325_000000543103_00248_48538_4926.N1	12-JUN-2011 02:43:25	Dark	53.500	63	Bet Gru	2.1500	2800.0	107	48538	No
31	GOM_TRA_1PNPDE20110612_024527_000000513103_00248_48538_4927.N1	12-JUN-2011 02:45:27	Dark	50.500	31	Alp Gru	1.7340	15200.	101	48538	No
32	GOM_TRA_1PNPDE20110612_024706_000000593103_00248_48538_4928.N1	12-JUN-2011 02:47:06	Straylight	59.000	172	Gam Gru	3.0030	13100.	118	48538	No
33	GOM_TRA_1PNPDE20110612_024933_000000453103_00248_48538_4929.N1	12-JUN-2011 02:49:33	Straylight	45.000	45	Alp Pav	1.9400	26000.	90	48538	No
34	GOM_TRA_1PNPDE20110612_025937_000000463103_00248_48538_4930.N1	12-JUN-2011 02:59:37	Twilight	45.500	25	35Lam Sco	1.6200	28000.	91	48538	No
35	GOM_TRA_1PNPDE20110612_030117_000000593103_00248_48538_4931.N1	12-JUN-2011 03:01:17	Bright	59.000	57	34Sig Sgr	2.0660	26000.	118	48538	No
36	GOM_TRA_1PNPDE20110612_030619_000000413103_00248_48538_4932.N1	12-JUN-2011 03:06:19	Bright	41.000	86	35Eta Oph	2.4300	10200.	82	48538	No
37	GOM_TRA_1PNPDE20110612_030803_000000383103_00248_48538_4933.N1	12-JUN-2011 03:08:03	Bright	38.000	98	13Zet Oph	2.5710	30000.	76	48538	No
38	GOM_TRA_1PNPDE20110612_031307_000000463103_00248_48538_4934.N1	12-JUN-2011 03:13:07	Bright	45.500	126	60Bet Oph	2.7700	4250.0	91	48538	No
39	GOM_TRA_1PNPDE20110612_031541_000000473103_00248_48538_4935.N1	12-JUN-2011 03:15:41	Bright	46.500	59	55Alp Oph	2.0800	8900.0	93	48538	No
40	GOM_TRA_1PNPDE20110612_031729_000000393103_00248_48538_4936.N1	12-JUN-2011 03:17:29	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	48538	No
41	GOM_TRA_1PNPDE20110612_032034_000000403103_00248_48538_4937.N1	12-JUN-2011 03:20:34	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	48538	No
42	GOM_TRA_1PNPDE20110612_032730_000000403103_00248_48538_4938.N1	12-JUN-2011 03:27:30	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	48538	No
43	GOM_TRA_1PNPDE20110612_033802_000000483103_00248_48538_4939.N1	12-JUN-2011 03:38:02	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	48538	No
44	GOM_TRA_1PNPDE20110612_034412_000000413103_00248_48538_4950.N1	12-JUN-2011 03:44:12	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	48538	No
45	GOM_TRA_1PNPDE20110612_035028_000000533103_00248_48538_4951.N1	12-JUN-2011 03:50:28	Bright	53.000	73	57Gam1And	2.2600	13100.	106	48538	No
46	GOM_TRA_1PNPDE20110612_035247_000000573103_00248_48538_4952.N1	12-JUN-2011 03:52:47	Twilight	56.500	53	43Bet And	2.0480	3300.0	113	48538	No
47	GOM_TRA_1PNPDE20110612_035610_000000493103_00248_48538_4953.N1	12-JUN-2011 03:56:10	Twilight	49.000	50	13Alp Ari	2.0070	4250.0	98	48538	No
48	GOM_TRA_1PNPDE20110612_041116_000000553103_00248_48538_4954.N1	12-JUN-2011 04:11:16	Dark	55.000	52	16Bet Cet	2.0370	4500.0	110	48538	No
49	GOM_TRA_1PNPDE20110612_041737_000000543103_00248_48538_4955.N1	12-JUN-2011 04:17:37	Dark	53.500	84	Alp Phe	2.3970	4500.0	107	48538	No
50	GOM_TRA_1PNPDE20110612_042340_000000573103_00249_48539_4956.N1	12-JUN-2011 04:23:40	Dark	56.500	63	Bet Gru	2.1500	2800.0	113	48539	No
51	GOM_TRA_1PNPDE20110612_042542_000000483103_00249_48539_4957.N1	12-JUN-2011 04:25:42	Dark	47.500	31	Alp Gru	1.7340	15200.	95	48539	No
52	GOM_TRA_1PNPDE20110612_042721_000000563103_00249_48539_4958.N1	12-JUN-2011 04:27:21	Straylight	56.000	172	Gam Gru	3.0030	13100.	112	48539	No
53	GOM_TRA_1PNPDE20110612_042948_000000413103_00249_48539_4959.N1	12-JUN-2011 04:29:48	Straylight	41.000	45	Alp Pav	1.9400	26000.	82	48539	No
54	GOM_TRA_1PNPDE20110612_043951_000000443103_00249_48539_4960.N1	12-JUN-2011 04:39:51	Twilight	44.000	25	35Lam Sco	1.6200	28000.	88	48539	No
55	GOM_TRA_1PNPDE20110612_044132_000000623103_00249_48539_4961.N1	12-JUN-2011 04:41:32	Bright	61.500	57	34Sig Sgr	2.0660	26000.	123	48539	No
56	GOM_TRA_1PNPDE20110612_044633_000000403103_00249_48539_4962.N1	12-JUN-2011 04:46:33	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	48539	No
57	GOM_TRA_1PNPDE20110612_044819_000000363103_00249_48539_4963.N1	12-JUN-2011 04:48:19	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	48539	No
58	GOM_TRA_1PNPDE20110612_045320_000000493103_00249_48539_4964.N1	12-JUN-2011 04:53:20	Bright	48.500	126	60Bet Oph	2.7700	4250.0	97	48539	No
59	GOM_TRA_1PNPDE20110612_045554_000000463103_00249_48539_4965.N1	12-JUN-2011 04:55:54	Bright	45.500	59	55Alp Oph	2.0800	8900.0	91	48539	No
60	GOM_TRA_1PNPDE20110612_045743_000000383103_00249_48539_4966.N1	12-JUN-2011 04:57:43	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	48539	No
61	GOM_TRA_1PNPDE20110612_050048_000000393103_00249_48539_4967.N1	12-JUN-2011 05:00:48	Bright	38.500	133	40Zet Her	2.8070	6000.0	77	48539	No
62	GOM_TRA_1PNPDE20110612_050744_000000413103_00249_48539_4968.N1	12-JUN-2011 05:07:44	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	48539	No
63	GOM_TRA_1PNPDE20110612_051816_000000463103_00249_48539_4969.N1	12-JUN-2011 05:18:16	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	48539	No
64	GOM_TRA_1PNPDE20110612_052426_000000633103_00249_48539_4972.N1	12-JUN-2011 05:24:26	Bright	63.000	74	11Bet Cas	2.2680	6600.0	126	48539	No
65	GOM_TRA_1PNPDE20110612_053042_000000403103_00249_48539_4973.N1	12-JUN-2011 05:30:42	Bright	39.500	73	57Gam1And	2.2600	13100.	79	48539	No
66	GOM_TRA_1PNPDE20110612_053301_000000533103_00249_48539_4974.N1	12-JUN-2011 05:33:01	Twilight	53.000	53	43Bet And	2.0480	3300.0	106	48539	No
67	GOM_TRA_1PNPDE20110612_053624_000000503103_00249_48539_4975.N1	12-JUN-2011 05:36:24	Twilight	49.500	50	13Alp Ari	2.0070	4250.0	99	48539	No
68	GOM_TRA_1PNPDE20110612_055131_000000553103_00249_48539_4976.N1	12-JUN-2011 05:51:31	Dark	55.000	52	16Bet Cet	2.0370	4500.0	110	48539	No

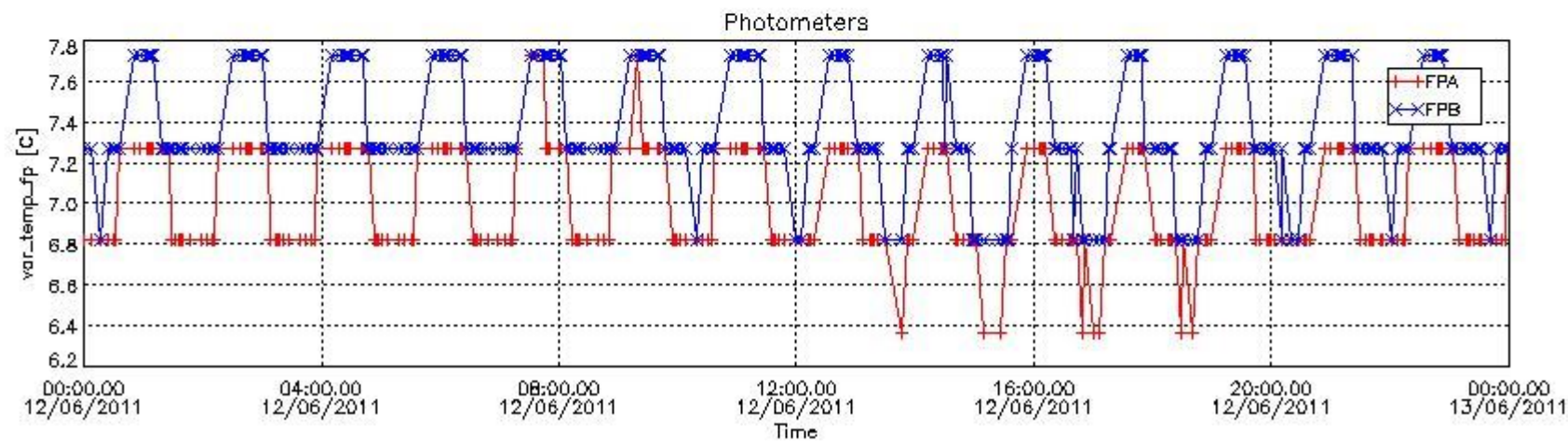
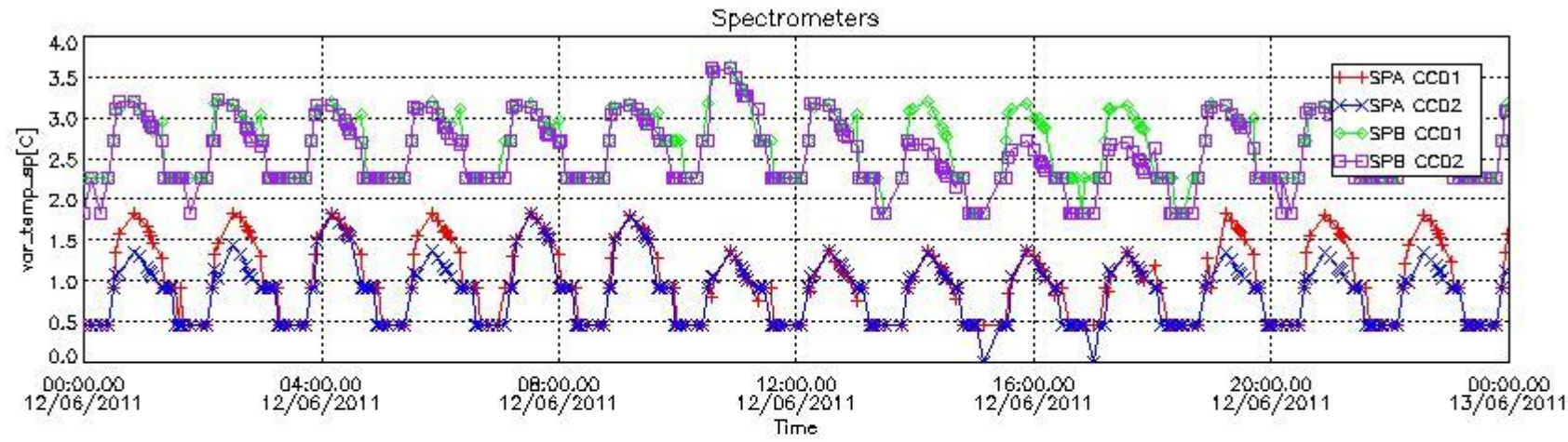
69	GOM_TRA_1PNPDE20110612_055752_000000493103_00249_48539_4977.N1	12-JUN-2011 05:57:52	Dark	48.500	84	Alp Phe	2.3970	4500.0	97	48539	No
70	GOM_TRA_1PNPDE20110612_060355_000000613103_00250_48540_4978.N1	12-JUN-2011 06:03:55	Dark	60.500	63	Bet Gru	2.1500	2800.0	121	48540	No
71	GOM_TRA_1PNPDE20110612_060557_000000483103_00250_48540_4979.N1	12-JUN-2011 06:05:57	Dark	48.000	31	Alp Gru	1.7340	15200.	96	48540	No
72	GOM_TRA_1PNPDE20110612_060736_000000583103_00250_48540_4980.N1	12-JUN-2011 06:07:36	Straylight	58.000	172	Gam Gru	3.0030	13100.	116	48540	No
73	GOM_TRA_1PNPDE20110612_061003_000000433103_00250_48540_4981.N1	12-JUN-2011 06:10:03	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	48540	No
74	GOM_TRA_1PNPDE20110612_062006_000000473103_00250_48540_4982.N1	12-JUN-2011 06:20:06	Twilight	47.000	25	35Lam Sco	1.6200	28000.	94	48540	No
75	GOM_TRA_1PNPDE20110612_062146_000000543103_00250_48540_4983.N1	12-JUN-2011 06:21:46	Bright	54.000	57	34Sig Sgr	2.0660	26000.	108	48540	No
76	GOM_TRA_1PNPDE20110612_062647_000000403103_00250_48540_4984.N1	12-JUN-2011 06:26:47	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	48540	No
77	GOM_TRA_1PNPDE20110612_063334_000000493103_00250_48540_4985.N1	12-JUN-2011 06:33:34	Bright	48.500	126	60Bet Oph	2.7700	4250.0	97	48540	No
78	GOM_TRA_1PNPDE20110612_063608_000000663103_00250_48540_4986.N1	12-JUN-2011 06:36:08	Bright	66.000	59	55Alp Oph	2.0800	8900.0	132	48540	No
79	GOM_TRA_1PNPDE20110612_063757_000000383103_00250_48540_4987.N1	12-JUN-2011 06:37:57	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	48540	No
80	GOM_TRA_1PNPDE20110612_064102_000000393103_00250_48540_4988.N1	12-JUN-2011 06:41:02	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	48540	No
81	GOM_TRA_1PNPDE20110612_064758_000000403103_00250_48540_4989.N1	12-JUN-2011 06:47:58	Bright	40.000	130	23Bet Dra	2.7990	5800.0	80	48540	No
82	GOM_TRA_1PNPDE20110612_065829_000000673103_00250_48540_4990.N1	12-JUN-2011 06:58:29	Bright	66.500	89	5Alp Cep	2.4510	8000.0	133	48540	No
83	GOM_TRA_1PNPDK20110612_070440_000000443103_00250_48540_3740.N1	12-JUN-2011 07:04:40	Bright	43.500	74	11Bet Cas	2.2680	6600.0	87	48540	No
84	GOM_TRA_1PNPDK20110612_071056_000000403103_00250_48540_3741.N1	12-JUN-2011 07:10:56	Bright	39.500	73	57Gam1And	2.2600	13100.	79	48540	No
85	GOM_TRA_1PNPDK20110612_071315_000000553103_00250_48540_3742.N1	12-JUN-2011 07:13:15	Twilight	55.000	53	43Bet And	2.0480	3300.0	110	48540	No
86	GOM_TRA_1PNPDK20110612_071638_000000523103_00250_48540_3743.N1	12-JUN-2011 07:16:38	Twilight	51.500	50	13Alp Ari	2.0070	4250.0	103	48540	No
87	GOM_TRA_1PNPDK20110612_073146_000000613103_00250_48540_3744.N1	12-JUN-2011 07:31:46	Dark	60.500	52	16Bet Cet	2.0370	4500.0	121	48540	No
88	GOM_TRA_1PNPDK20110612_073807_000000473103_00250_48540_3745.N1	12-JUN-2011 07:38:07	Dark	47.000	84	Alp Phe	2.3970	4500.0	94	48540	No
89	GOM_TRA_1PNPDK20110612_074410_000000573103_00251_48541_3746.N1	12-JUN-2011 07:44:10	Dark	56.500	63	Bet Gru	2.1500	2800.0	113	48541	No
90	GOM_TRA_1PNPDK20110612_074612_000000503103_00251_48541_3747.N1	12-JUN-2011 07:46:12	Dark	49.500	31	Alp Gru	1.7340	15200.	99	48541	No
91	GOM_TRA_1PNPDK20110612_074751_000000563103_00251_48541_3748.N1	12-JUN-2011 07:47:51	Straylight	56.000	172	Gam Gru	3.0030	13100.	112	48541	No
92	GOM_TRA_1PNPDK20110612_075017_000000423103_00251_48541_3749.N1	12-JUN-2011 07:50:17	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	48541	No
93	GOM_TRA_1PNPDK20110612_080020_000000463103_00251_48541_3750.N1	12-JUN-2011 08:00:20	Twilight	45.500	25	35Lam Sco	1.6200	28000.	91	48541	No
94	GOM_TRA_1PNPDK20110612_080201_000000693103_00251_48541_3751.N1	12-JUN-2011 08:02:01	Bright	69.000	57	34Sig Sgr	2.0660	26000.	138	48541	No
95	GOM_TRA_1PNPDK20110612_080701_000000403103_00251_48541_3752.N1	12-JUN-2011 08:07:01	Bright	39.500	86	35Eta Oph	2.4300	10200.	79	48541	No
96	GOM_TRA_1PNPDK20110612_081348_000000473103_00251_48541_3229.N1	12-JUN-2011 08:13:48	Bright	46.500	126	60Bet Oph	2.7700	4250.0	93	48541	No
97	GOM_TRA_1PNPDK20110612_081621_000000483103_00251_48541_3230.N1	12-JUN-2011 08:16:21	Bright	48.000	59	55Alp Oph	2.0800	8900.0	96	48541	No
98	GOM_TRA_1PNPDK20110612_081811_000000383103_00251_48541_3231.N1	12-JUN-2011 08:18:11	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	48541	No
99	GOM_TRA_1PNPDK20110612_082116_000000383103_00251_48541_3232.N1	12-JUN-2011 08:21:16	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	48541	No
100	GOM_TRA_1PNPDK20110612_082811_000000423103_00251_48541_3233.N1	12-JUN-2011 08:28:11	Bright	41.500	130	23Bet Dra	2.7990	5800.0	83	48541	No
101	GOM_TRA_1PNPDK20110612_083842_000000473103_00251_48541_3234.N1	12-JUN-2011 08:38:42	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48541	No
102	GOM_TRA_1PNPDK20110612_084453_000000423103_00251_48541_3235.N1	12-JUN-2011 08:44:53	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	48541	No
103	GOM_TRA_1PNPDK20110612_085110_000000403103_00251_48541_3236.N1	12-JUN-2011 08:51:10	Bright	39.500	73	57Gam1And	2.2600	13100.	79	48541	No
104	GOM_TRA_1PNPDK20110612_085329_000000563103_00251_48541_3237.N1	12-JUN-2011 08:53:29	Twilight	56.000	53	43Bet And	2.0480	3300.0	112	48541	No
105	GOM_TRA_1PNPDK20110612_085652_000000483103_00251_48541_3238.N1	12-JUN-2011 08:56:52	Twilight	48.000	50	13Alp Ari	2.0070	4250.0	96	48541	No
106	GOM_TRA_1PNPDK20110612_091201_000000543103_00251_48541_3239.N1	12-JUN-2011 09:12:01	Dark	54.000	52	16Bet Cet	2.0370	4500.0	108	48541	No
107	GOM_TRA_1PNPDK20110612_091822_000000463103_00251_48541_3240.N1	12-JUN-2011 09:18:22	Dark	46.000	84	Alp Phe	2.3970	4500.0	92	48541	No
108	GOM_TRA_1PNPDK20110612_092425_000000543103_00252_48542_3241.N1	12-JUN-2011 09:24:25	Dark	54.000	63	Bet Gru	2.1500	2800.0	108	48542	No
109	GOM_TRA_1PNPDK20110612_092627_000000493103_00252_48542_3242.N1	12-JUN-2011 09:26:27	Dark	48.500	31	Alp Gru	1.7340	15200.	97	48542	No
110	GOM_TRA_1PNPDK20110612_092807_000000573103_00252_48542_3243.N1	12-JUN-2011 09:28:07	Straylight	56.500	172	Gam Gru	3.0030	13100.	113	48542	No
111	GOM_TRA_1PNPDK20110612_093032_000000423103_00252_48542_3244.N1	12-JUN-2011 09:30:32	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48542	No
112	GOM_TRA_1PNPDK20110612_094034_000000433103_00252_48542_3245.N1	12-JUN-2011 09:40:34	Twilight	43.000	25	35Lam Sco	1.6200	28000.	86	48542	No
113	GOM_TRA_1PNPDK20110612_094215_000000543103_00252_48542_3246.N1	12-JUN-2011 09:42:15	Bright	53.500	57	34Sig Sgr	2.0660	26000.	107	48542	No
114	GOM_TRA_1PNPDK20110612_094715_000000403103_00252_48542_3247.N1	12-JUN-2011 09:47:15	Bright	39.500	86	35Eta Oph	2.4300	10200.	79	48542	No
115	GOM_TRA_1PNPDK20110612_095401_000000453103_00252_48542_3475.N1	12-JUN-2011 09:54:01	Bright	45.000	126	60Bet Oph	2.7700	4250.0	90	48542	No
116	GOM_TRA_1PNPDK20110612_095635_000000443103_00252_48542_3476.N1	12-JUN-2011 09:56:35	Bright	43.500	59	55Alp Oph	2.0800	8900.0	87	48542	No
117	GOM_TRA_1PNPDK20110612_095825_000000383103_00252_48542_3477.N1	12-JUN-2011 09:58:25	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	48542	No
118	GOM_TRA_1PNPDK20110612_100130_000000383103_00252_48542_3478.N1	12-JUN-2011 10:01:30	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	48542	No
119	GOM_TRA_1PNPDK20110612_100825_000000413103_00252_48542_3479.N1	12-JUN-2011 10:08:25	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	48542	No
120	GOM_TRA_1PNPDK20110612_101856_000000473103_00252_48542_3480.N1	12-JUN-2011 10:18:56	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48542	No
121	GOM_TRA_1PNPDK20110612_102507_000000643103_00252_48542_3481.N1	12-JUN-2011 10:25:07	Bright	64.000	74	11Bet Cas	2.2680	6600.0	128	48542	No
122	GOM_TRA_1PNPDK20110612_103124_000000563103_00252_48542_3482.N1	12-JUN-2011 10:31:24	Bright	56.000	73	57Gam1And	2.2600	13100.	112	48542	No
123	GOM_TRA_1PNPDK20110612_103343_000000523103_00252_48542_3483.N1	12-JUN-2011 10:33:43	Twilight	52.000	53	43Bet And	2.0480	3300.0	104	48542	No
124	GOM_TRA_1PNPDK20110612_103707_000000513103_00252_48542_3484.N1	12-JUN-2011 10:37:07	Twilight	51.000	50	13Alp Ari	2.0070	4250.0	102	48542	No
125	GOM_TRA_1PNPDK20110612_105215_000000573103_00252_48542_3485.N1	12-JUN-2011 10:52:15	Dark	57.000	52	16Bet Cet	2.0370	4500.0	114	48542	No
126	GOM_TRA_1PNPDK20110612_105836_000000443103_00252_48542_3486.N1	12-JUN-2011 10:58:36	Dark	44.000	84	Alp Phe	2.3970	4500.0	88	48542	No
127	GOM_TRA_1PNPDK20110612_110440_000000513103_00253_48543_3487.N1	12-JUN-2011 11:04:40	Dark	50.500	63	Bet Gru	2.1500	2800.0	101	48543	No

128	GOM_TRA_1PNPDK20110612_110642_000000473103_00253_48543_3488.N1	12-JUN-2011 11:06:42	Dark	47.000	31	Alp Gru	1.7340	15200.	94	48543	No
129	GOM_TRA_1PNPDK20110612_110822_000000573103_00253_48543_3489.N1	12-JUN-2011 11:08:22	Straylight	56.500	172	Gam Gru	3.0030	13100.	113	48543	No
130	GOM_TRA_1PNPDK20110612_111046_000000443103_00253_48543_3490.N1	12-JUN-2011 11:10:46	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	48543	No
131	GOM_TRA_1PNPDK20110612_112048_000000453103_00253_48543_3491.N1	12-JUN-2011 11:20:48	Twilight_and_stray	44.500	25	35Lam Sco	1.6200	28000.	89	48543	No
132	GOM_TRA_1PNPDK20110612_112229_000000743103_00253_48543_3492.N1	12-JUN-2011 11:22:29	Bright	74.000	57	34Sig Sgr	2.0660	26000.	148	48543	No
133	GOM_TRA_1PNPDK20110612_112729_000000413103_00253_48543_3493.N1	12-JUN-2011 11:27:29	Bright	40.500	86	35Eta Oph	2.4300	10200.	81	48543	No
134	GOM_TRA_1PNPDK20110612_113415_000000453103_00253_48543_3296.N1	12-JUN-2011 11:34:15	Bright	45.000	126	60Bet Oph	2.7700	4250.0	90	48543	No
135	GOM_TRA_1PNPDK20110612_113649_000000443103_00253_48543_3297.N1	12-JUN-2011 11:36:49	Bright	44.000	59	55Alp Oph	2.0800	8900.0	88	48543	No
136	GOM_TRA_1PNPDK20110612_113838_000000383103_00253_48543_3298.N1	12-JUN-2011 11:38:38	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	48543	No
137	GOM_TRA_1PNPDK20110612_114143_000000413103_00253_48543_3299.N1	12-JUN-2011 11:41:43	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	48543	No
138	GOM_TRA_1PNPDK20110612_114838_000000443103_00253_48543_3300.N1	12-JUN-2011 11:48:38	Bright	43.500	130	23Bet Dra	2.7990	5800.0	87	48543	No
139	GOM_TRA_1PNPDK20110612_115909_000000493103_00253_48543_3301.N1	12-JUN-2011 11:59:09	Bright	49.000	89	5Alp Cep	2.4510	8000.0	98	48543	No
140	GOM_TRA_1PNPDK20110612_120520_000000443103_00253_48543_3302.N1	12-JUN-2011 12:05:20	Bright	44.000	74	11Bet Cas	2.2680	6600.0	88	48543	No
141	GOM_TRA_1PNPDK20110612_121138_000000403103_00253_48543_3303.N1	12-JUN-2011 12:11:38	Bright	39.500	73	57Gam1And	2.2600	13100.	79	48543	No
142	GOM_TRA_1PNPDK20110612_121357_000000593103_00253_48543_3304.N1	12-JUN-2011 12:13:57	Twilight_and_stray	59.000	53	43Bet And	2.0480	3300.0	118	48543	No
143	GOM_TRA_1PNPDK20110612_121721_000000473103_00253_48543_3305.N1	12-JUN-2011 12:17:21	Twilight	47.000	50	13Alp Ari	2.0070	4250.0	94	48543	No
144	GOM_TRA_1PNPDK20110612_123230_000000533103_00253_48543_3306.N1	12-JUN-2011 12:32:30	Dark	52.500	52	16Bet Cet	2.0370	4500.0	105	48543	No
145	GOM_TRA_1PNPDK20110612_123851_000000513103_00253_48543_3307.N1	12-JUN-2011 12:38:51	Dark	50.500	84	Alp Phe	2.3970	4500.0	101	48543	No
146	GOM_TRA_1PNPDK20110612_124455_000000503103_00254_48544_3308.N1	12-JUN-2011 12:44:55	Dark	49.500	63	Bet Gru	2.1500	2800.0	99	48544	No
147	GOM_TRA_1PNPDK20110612_124657_000000473103_00254_48544_3309.N1	12-JUN-2011 12:46:57	Dark	46.500	31	Alp Gru	1.7340	15200.	93	48544	No
148	GOM_TRA_1PNPDK20110612_124837_000000573103_00254_48544_3310.N1	12-JUN-2011 12:48:37	Straylight	56.500	172	Gam Gru	3.0030	13100.	113	48544	No
149	GOM_TRA_1PNPDK20110612_125101_000000453103_00254_48544_3311.N1	12-JUN-2011 12:51:01	Straylight	44.500	45	Alp Pav	1.9400	26000.	89	48544	No
150	GOM_TRA_1PNPDK20110612_130103_000000463103_00254_48544_3312.N1	12-JUN-2011 13:01:03	Twilight_and_stray	46.000	25	35Lam Sco	1.6200	28000.	92	48544	No
151	GOM_TRA_1PNPDK20110612_130244_000000613103_00254_48544_3313.N1	12-JUN-2011 13:02:44	Bright	60.500	57	34Sig Sgr	2.0660	26000.	121	48544	No
152	GOM_TRA_1PNPDK20110612_130743_000000403103_00254_48544_3288.N1	12-JUN-2011 13:07:43	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	48544	No
153	GOM_TRA_1PNPDK20110612_131429_000000463103_00254_48544_3289.N1	12-JUN-2011 13:14:29	Bright	45.500	126	60Bet Oph	2.7700	4250.0	91	48544	No
154	GOM_TRA_1PNPDK20110612_131702_000000453103_00254_48544_3290.N1	12-JUN-2011 13:17:02	Bright	44.500	59	55Alp Oph	2.0800	8900.0	89	48544	No
155	GOM_TRA_1PNPDK20110612_131852_000000403103_00254_48544_3291.N1	12-JUN-2011 13:18:52	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	48544	No
156	GOM_TRA_1PNPDK20110612_132157_000000373103_00254_48544_3292.N1	12-JUN-2011 13:21:57	Bright	37.000	133	40Zet Her	2.8070	6000.0	74	48544	No
157	GOM_TRA_1PNPDK20110612_132851_000000433103_00254_48544_3293.N1	12-JUN-2011 13:28:51	Bright	42.500	130	23Bet Dra	2.7990	5800.0	85	48544	No
158	GOM_TRA_1PNPDK20110612_134534_000000563103_00254_48544_3294.N1	12-JUN-2011 13:45:34	Bright	55.500	74	11Bet Cas	2.2680	6600.0	111	48544	No
159	GOM_TRA_1PNPDK20110612_135152_000000393103_00254_48544_3295.N1	12-JUN-2011 13:51:52	Bright	39.000	73	57Gam1And	2.2600	13100.	78	48544	No
160	GOM_TRA_1PNPDK20110612_135411_000000613103_00254_48544_3296.N1	12-JUN-2011 13:54:11	Twilight_and_stray	60.500	53	43Bet And	2.0480	3300.0	121	48544	No
161	GOM_TRA_1PNPDK20110612_135735_000000453103_00254_48544_3297.N1	12-JUN-2011 13:57:35	Twilight	44.500	50	13Alp Ari	2.0070	4250.0	89	48544	No
162	GOM_TRA_1PNPDK20110612_141245_000000533103_00254_48544_3298.N1	12-JUN-2011 14:12:45	Dark	52.500	52	16Bet Cet	2.0370	4500.0	105	48544	No
163	GOM_TRA_1PNPDK20110612_141906_000000503103_00254_48544_3299.N1	12-JUN-2011 14:19:06	Dark	50.000	84	Alp Phe	2.3970	4500.0	100	48544	No
164	GOM_TRA_1PNPDK20110612_142510_000000523103_00255_48545_3300.N1	12-JUN-2011 14:25:10	Dark	51.500	63	Bet Gru	2.1500	2800.0	103	48545	No
165	GOM_TRA_1PNPDK20110612_142712_000000483103_00255_48545_3301.N1	12-JUN-2011 14:27:12	Dark	48.000	31	Alp Gru	1.7340	15200.	96	48545	No
166	GOM_TRA_1PNPDK20110612_142853_000000593103_00255_48545_3302.N1	12-JUN-2011 14:28:53	Straylight	58.500	172	Gam Gru	3.0030	13100.	117	48545	No
167	GOM_TRA_1PNPDK20110612_143115_000000473103_00255_48545_3303.N1	12-JUN-2011 14:31:15	Straylight	46.500	45	Alp Pav	1.9400	26000.	93	48545	No
168	GOM_TRA_1PNPDK20110612_144117_000000433103_00255_48545_3304.N1	12-JUN-2011 14:41:17	Twilight_and_stray	43.000	25	35Lam Sco	1.6200	28000.	86	48545	No
169	GOM_TRA_1PNPDK20110612_144258_000000583103_00255_48545_3305.N1	12-JUN-2011 14:42:58	Bright	57.500	57	34Sig Sgr	2.0660	26000.	115	48545	No
170	GOM_TRA_1PNPDK20110612_144757_000000413103_00255_48545_3279.N1	12-JUN-2011 14:47:57	Bright	41.000	86	35Eta Oph	2.4300	10200.	82	48545	No
171	GOM_TRA_1PNPDK20110612_145442_000000463103_00255_48545_3280.N1	12-JUN-2011 14:54:42	Bright	45.500	126	60Bet Oph	2.7700	4250.0	91	48545	No
172	GOM_TRA_1PNPDK20110612_145716_000000443103_00255_48545_3281.N1	12-JUN-2011 14:57:16	Bright	43.500	59	55Alp Oph	2.0800	8900.0	87	48545	No
173	GOM_TRA_1PNPDK20110612_145906_000000383103_00255_48545_3282.N1	12-JUN-2011 14:59:06	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	48545	No
174	GOM_TRA_1PNPDK20110612_150211_000000403103_00255_48545_3283.N1	12-JUN-2011 15:02:11	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	48545	No
175	GOM_TRA_1PNPDK20110612_150905_000000433103_00255_48545_3284.N1	12-JUN-2011 15:09:05	Bright	42.500	130	23Bet Dra	2.7990	5800.0	85	48545	No
176	GOM_TRA_1PNPDK20110612_152548_000000443103_00255_48545_3285.N1	12-JUN-2011 15:25:48	Bright	44.000	74	11Bet Cas	2.2680	6600.0	88	48545	No
177	GOM_TRA_1PNPDK20110612_153206_000000383103_00255_48545_3286.N1	12-JUN-2011 15:32:06	Bright	38.000	73	57Gam1And	2.2600	13100.	76	48545	No
178	GOM_TRA_1PNPDK20110612_153425_000000543103_00255_48545_3287.N1	12-JUN-2011 15:34:25	Twilight_and_stray	54.000	53	43Bet And	2.0480	3300.0	108	48545	No
179	GOM_TRA_1PNPDK20110612_153749_000000463103_00255_48545_3288.N1	12-JUN-2011 15:37:49	Twilight	46.000	50	13Alp Ari	2.0070	4250.0	92	48545	No
180	GOM_TRA_1PNPDK20110612_155300_000000543103_00255_48545_3289.N1	12-JUN-2011 15:53:00	Dark	53.500	52	16Bet Cet	2.0370	4500.0	107	48545	No
181	GOM_TRA_1PNPDK20110612_155920_000000453103_00255_48545_3290.N1	12-JUN-2011 15:59:20	Dark	44.500	84	Alp Phe	2.3970	4500.0	89	48545	No
182	GOM_TRA_1PNPDK20110612_160525_000000483103_00256_48546_3291.N1	12-JUN-2011 16:05:25	Dark	48.000	63	Bet Gru	2.1500	2800.0	96	48546	No
183	GOM_TRA_1PNPDK20110612_160727_000000533103_00256_48546_3292.N1	12-JUN-2011 16:07:27	Dark	53.000	31	Alp Gru	1.7340	15200.	106	48546	No
184	GOM_TRA_1PNPDK20110612_160908_000000583103_00256_48546_3293.N1	12-JUN-2011 16:09:08	Straylight	57.500	172	Gam Gru	3.0030	13100.	115	48546	No
185	GOM_TRA_1PNPDK20110612_161130_000000423103_00256_48546_3294.N1	12-JUN-2011 16:11:30	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	48546	No
186	GOM_TRA_1PNPDK20110612_162131_000000443103_00256_48546_3295.N1	12-JUN-2011 16:21:31	Twilight_and_stray	44.000	25	35Lam Sco	1.6200	28000.	88	48546	No

187	GOM_TRA_1PNPDK20110612_162313_000000673103_00256_48546_3266.N1	12-JUN-2011 16:23:13	Bright	67.000	57	34Sig Sgr	2.0660	26000.	134	48546	No
188	GOM_TRA_1PNPDK20110612_162812_000000413103_00256_48546_3267.N1	12-JUN-2011 16:28:12	Bright	40.500	86	35Eta Oph	2.4300	10200.	81	48546	No
189	GOM_TRA_1PNPDK20110612_163456_000000673103_00256_48546_3268.N1	12-JUN-2011 16:34:56	Bright	66.500	126	60Bet Oph	2.7700	4250.0	133	48546	No
190	GOM_TRA_1PNPDK20110612_163729_000000463103_00256_48546_3269.N1	12-JUN-2011 16:37:29	Bright	45.500	59	55Alp Oph	2.0800	8900.0	91	48546	No
191	GOM_TRA_1PNPDK20110612_163920_000000383103_00256_48546_3270.N1	12-JUN-2011 16:39:20	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	48546	No
192	GOM_TRA_1PNPDK20110612_164225_000000393103_00256_48546_3271.N1	12-JUN-2011 16:42:25	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	48546	No
193	GOM_TRA_1PNPDK20110612_164919_000000433103_00256_48546_3272.N1	12-JUN-2011 16:49:19	Bright	42.500	130	23Bet Dra	2.7990	5800.0	85	48546	No
194	GOM_TRA_1PNPDK20110612_165043_000000373103_00256_48546_3273.N1	12-JUN-2011 16:50:43	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	48546	No
195	GOM_TRA_1PNPDK20110612_165949_000000503103_00256_48546_3274.N1	12-JUN-2011 16:59:49	Bright	49.500	89	5Alp Cep	2.4510	8000.0	99	48546	No
196	GOM_TRA_1PNPDK20110612_170602_000000643103_00256_48546_3275.N1	12-JUN-2011 17:06:02	Bright	64.000	74	11Bet Cas	2.2680	6600.0	128	48546	No
197	GOM_TRA_1PNPDK20110612_171220_000000563103_00256_48546_3276.N1	12-JUN-2011 17:12:20	Bright	56.000	73	57Gam1And	2.2600	13100.	112	48546	No
198	GOM_TRA_1PNPDK20110612_171439_000000513103_00256_48546_3277.N1	12-JUN-2011 17:14:39	Twilight	50.500	53	43Bet And	2.0480	3300.0	101	48546	No
199	GOM_TRA_1PNPDK20110612_171804_000000463103_00256_48546_3278.N1	12-JUN-2011 17:18:04	Twilight	46.000	50	13Alp Ari	2.0070	4250.0	92	48546	No
200	GOM_TRA_1PNPDK20110612_173315_000000553103_00256_48546_3279.N1	12-JUN-2011 17:33:15	Dark	55.000	52	16Bet Cet	2.0370	4500.0	110	48546	No
201	GOM_TRA_1PNPDK20110612_173935_000000473103_00256_48546_3280.N1	12-JUN-2011 17:39:35	Dark	47.000	84	Alp Phe	2.3970	4500.0	94	48546	No
202	GOM_TRA_1PNPDK20110612_174540_000000563103_00257_48547_3281.N1	12-JUN-2011 17:45:40	Dark	55.500	63	Bet Gru	2.1500	2800.0	111	48547	No
203	GOM_TRA_1PNPDK20110612_174742_000000493103_00257_48547_3282.N1	12-JUN-2011 17:47:42	Dark	49.000	31	Alp Gru	1.7340	15200.	98	48547	No
204	GOM_TRA_1PNPDK20110612_174923_000000573103_00257_48547_3283.N1	12-JUN-2011 17:49:23	Straylight	57.000	172	Gam Gru	3.0030	13100.	114	48547	No
205	GOM_TRA_1PNPDK20110612_175145_000000413103_00257_48547_3284.N1	12-JUN-2011 17:51:45	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	48547	No
206	GOM_TRA_1PNPDK20110612_180146_000000473103_00257_48547_3393.N1	12-JUN-2011 18:01:46	Twilight	46.500	25	35Lam Sco	1.6200	28000.	93	48547	No
207	GOM_TRA_1PNPDK20110612_180327_000000623103_00257_48547_3394.N1	12-JUN-2011 18:03:27	Bright	62.000	57	34Sig Sgr	2.0660	26000.	124	48547	No
208	GOM_TRA_1PNPDK20110612_180826_000000413103_00257_48547_3395.N1	12-JUN-2011 18:08:26	Bright	40.500	86	35Eta Oph	2.4300	10200.	81	48547	No
209	GOM_TRA_1PNPDK20110612_181510_000000463103_00257_48547_3396.N1	12-JUN-2011 18:15:10	Bright	45.500	126	60Bet Oph	2.7700	4250.0	91	48547	No
210	GOM_TRA_1PNPDK20110612_181743_000000453103_00257_48547_3397.N1	12-JUN-2011 18:17:43	Bright	45.000	59	55Alp Oph	2.0800	8900.0	90	48547	No
211	GOM_TRA_1PNPDK20110612_181934_000000403103_00257_48547_3398.N1	12-JUN-2011 18:19:34	Bright	39.500	127	27Bet Her	2.7810	4700.0	79	48547	No
212	GOM_TRA_1PNPDK20110612_182238_000000403103_00257_48547_3399.N1	12-JUN-2011 18:22:38	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	48547	No
213	GOM_TRA_1PNPDK20110612_182932_000000413103_00257_48547_3400.N1	12-JUN-2011 18:29:32	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	48547	No
214	GOM_TRA_1PNPDK20110612_183057_000000383103_00257_48547_3401.N1	12-JUN-2011 18:30:57	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	48547	No
215	GOM_TRA_1PNPDK20110612_184002_000000473103_00257_48547_3402.N1	12-JUN-2011 18:40:02	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	48547	No
216	GOM_TRA_1PNPDK20110612_184615_000000583103_00257_48547_3403.N1	12-JUN-2011 18:46:15	Bright	58.000	74	11Bet Cas	2.2680	6600.0	116	48547	No
217	GOM_TRA_1PNPDK20110612_185234_000000563103_00257_48547_3404.N1	12-JUN-2011 18:52:34	Bright	56.000	73	57Gam1And	2.2600	13100.	112	48547	No
218	GOM_TRA_1PNPDK20110612_185453_000000553103_00257_48547_3405.N1	12-JUN-2011 18:54:53	Twilight	55.000	53	43Bet And	2.0480	3300.0	110	48547	No
219	GOM_TRA_1PNPDK20110612_185818_000000453103_00257_48547_3406.N1	12-JUN-2011 18:58:18	Twilight	45.000	50	13Alp Ari	2.0070	4250.0	90	48547	No
220	GOM_TRA_1PNPDK20110612_191330_000000543103_00257_48547_3407.N1	12-JUN-2011 19:13:30	Dark	53.500	52	16Bet Cet	2.0370	4500.0	107	48547	No
221	GOM_TRA_1PNPDK20110612_191950_000000493103_00257_48547_3408.N1	12-JUN-2011 19:19:50	Dark	49.000	84	Alp Phe	2.3970	4500.0	98	48547	No
222	GOM_TRA_1PNPDK20110612_192555_000000583103_00258_48548_3409.N1	12-JUN-2011 19:25:55	Dark	58.000	63	Bet Gru	2.1500	2800.0	116	48548	No
223	GOM_TRA_1PNPDK20110612_192757_000000503103_00258_48548_3410.N1	12-JUN-2011 19:27:57	Dark	50.000	31	Alp Gru	1.7340	15200.	100	48548	No
224	GOM_TRA_1PNPDK20110612_192939_000000553103_00258_48548_3411.N1	12-JUN-2011 19:29:39	Straylight	54.500	172	Gam Gru	3.0030	13100.	109	48548	No
225	GOM_TRA_1PNPDK20110612_193159_000000443103_00258_48548_3412.N1	12-JUN-2011 19:31:59	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	48548	No
226	GOM_TRA_1PNPDK20110612_194200_000000453103_00258_48548_3346.N1	12-JUN-2011 19:42:00	Twilight	44.500	25	35Lam Sco	1.6200	28000.	89	48548	No
227	GOM_TRA_1PNPDK20110612_194341_000000563103_00258_48548_3347.N1	12-JUN-2011 19:43:41	Bright	56.000	57	34Sig Sgr	2.0660	26000.	112	48548	No
228	GOM_TRA_1PNPDK20110612_194840_000000423103_00258_48548_3348.N1	12-JUN-2011 19:48:40	Bright	41.500	86	35Eta Oph	2.4300	10200.	83	48548	No
229	GOM_TRA_1PNPDK20110612_195524_000000463103_00258_48548_3349.N1	12-JUN-2011 19:55:24	Bright	45.500	126	60Bet Oph	2.7700	4250.0	91	48548	No
230	GOM_TRA_1PNPDK20110612_195757_000000473103_00258_48548_3350.N1	12-JUN-2011 19:57:57	Bright	47.000	59	55Alp Oph	2.0800	8900.0	94	48548	No
231	GOM_TRA_1PNPDK20110612_195948_000000403103_00258_48548_3351.N1	12-JUN-2011 19:59:48	Bright	39.500	127	27Bet Her	2.7810	4700.0	79	48548	No
232	GOM_TRA_1PNPDK20110612_200252_000000403103_00258_48548_3352.N1	12-JUN-2011 20:02:52	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	48548	No
233	GOM_TRA_1PNPDK20110612_200946_000000443103_00258_48548_3353.N1	12-JUN-2011 20:09:46	Bright	43.500	130	23Bet Dra	2.7990	5800.0	87	48548	No
234	GOM_TRA_1PNPDK20110612_201111_000000393103_00258_48548_3354.N1	12-JUN-2011 20:11:11	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	48548	No
235	GOM_TRA_1PNPDK20110612_202016_000000493103_00258_48548_3355.N1	12-JUN-2011 20:20:16	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	48548	No
236	GOM_TRA_1PNPDK20110612_202629_000000573103_00258_48548_3356.N1	12-JUN-2011 20:26:29	Bright	56.500	74	11Bet Cas	2.2680	6600.0	113	48548	No
237	GOM_TRA_1PNPDK20110612_203248_000000393103_00258_48548_3357.N1	12-JUN-2011 20:32:48	Bright	38.500	73	57Gam1And	2.2600	13100.	77	48548	No
238	GOM_TRA_1PNPDK20110612_203507_000000533103_00258_48548_3358.N1	12-JUN-2011 20:35:07	Twilight	53.000	53	43Bet And	2.0480	3300.0	106	48548	No
239	GOM_TRA_1PNPDK20110612_203832_000000503103_00258_48548_3359.N1	12-JUN-2011 20:38:32	Twilight	49.500	50	13Alp Ari	2.0070	4250.0	99	48548	No
240	GOM_TRA_1PNPDK20110612_205345_000000543103_00258_48548_3360.N1	12-JUN-2011 20:53:45	Dark	54.000	52	16Bet Cet	2.0370	4500.0	108	48548	No
241	GOM_TRA_1PNPDK20110612_210005_000000523103_00258_48548_3361.N1	12-JUN-2011 21:00:05	Dark	52.000	84	Alp Phe	2.3970	4500.0	104	48548	No
242	GOM_TRA_1PNPDK20110612_210610_000000543103_00259_48549_3362.N1	12-JUN-2011 21:06:10	Dark	54.000	63	Bet Gru	2.1500	2800.0	108	48549	No
243	GOM_TRA_1PNPDK20110612_210812_000000513103_00259_48549_3363.N1	12-JUN-2011 21:08:12	Dark	51.000	31	Alp Gru	1.7340	15200.	102	48549	No
244	GOM_TRA_1PNPDK20110612_210954_000000573103_00259_48549_3364.N1	12-JUN-2011 21:09:54	Straylight	57.000	172	Gam Gru	3.0030	13100.	114	48549	No
245	GOM_TRA_1PNPDK20110612_211214_000000423103_00259_48549_3365.N1	12-JUN-2011 21:12:14	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	48549	No

246	GOM_TRA_1PNPDE20110612_212214_000000443103_00259_48549_5062.N1	12-JUN-2011 21:22:14	Twilight	44.000	25	35Lam Sco	1.6200	28000.	88	48549	No
247	GOM_TRA_1PNPDE20110612_212356_000000583103_00259_48549_5063.N1	12-JUN-2011 21:23:56	Bright	58.000	57	34Sig Sgr	2.0660	26000.	116	48549	No
248	GOM_TRA_1PNPDE20110612_212854_000000413103_00259_48549_5064.N1	12-JUN-2011 21:28:54	Bright	40.500	86	35Eta Oph	2.4300	10200.	81	48549	No
249	GOM_TRA_1PNPDE20110612_213537_000000463103_00259_48549_5065.N1	12-JUN-2011 21:35:37	Bright	45.500	126	60Bet Oph	2.7700	4250.0	91	48549	No
250	GOM_TRA_1PNPDE20110612_213810_000000483103_00259_48549_5066.N1	12-JUN-2011 21:38:10	Bright	47.500	59	55Alp Oph	2.0800	8900.0	95	48549	No
251	GOM_TRA_1PNPDE20110612_214002_000000403103_00259_48549_5067.N1	12-JUN-2011 21:40:02	Bright	39.500	127	27Bet Her	2.7810	4700.0	79	48549	No
252	GOM_TRA_1PNPDE20110612_214306_000000403103_00259_48549_5068.N1	12-JUN-2011 21:43:06	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	48549	No
253	GOM_TRA_1PNPDE20110612_214959_000000423103_00259_48549_5069.N1	12-JUN-2011 21:49:59	Bright	42.000	130	23Bet Dra	2.7990	5800.0	84	48549	No
254	GOM_TRA_1PNPDE20110612_215124_000000403103_00259_48549_5070.N1	12-JUN-2011 21:51:24	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	48549	No
255	GOM_TRA_1PNPDE20110612_220029_000000483103_00259_48549_5071.N1	12-JUN-2011 22:00:29	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	48549	No
256	GOM_TRA_1PNPDE20110612_220642_000000643103_00259_48549_5072.N1	12-JUN-2011 22:06:42	Bright	64.000	74	11Bet Cas	2.2680	6600.0	128	48549	No
257	GOM_TRA_1PNPDE20110612_221302_000000473103_00259_48549_5073.N1	12-JUN-2011 22:13:02	Bright	47.000	73	57Gam1And	2.2600	13100.	94	48549	No
258	GOM_TRA_1PNPDE20110612_221521_000000543103_00259_48549_5074.N1	12-JUN-2011 22:15:21	Twilight	54.000	53	43Bet And	2.0480	3300.0	108	48549	No
259	GOM_TRA_1PNPDE20110612_221846_000000543103_00259_48549_5075.N1	12-JUN-2011 22:18:46	Twilight	53.500	50	13Alp Ari	2.0070	4250.0	107	48549	No
260	GOM_TRA_1PNPDE20110612_223400_000000553103_00259_48549_5091.N1	12-JUN-2011 22:34:00	Dark	54.500	52	16Bet Cet	2.0370	4500.0	109	48549	No
261	GOM_TRA_1PNPDE20110612_224019_000000443103_00259_48549_5092.N1	12-JUN-2011 22:40:19	Dark	43.500	84	Alp Phe	2.3970	4500.0	87	48549	No
262	GOM_TRA_1PNPDE20110612_224625_000000663103_00260_48550_5093.N1	12-JUN-2011 22:46:25	Dark	65.500	63	Bet Gru	2.1500	2800.0	131	48550	No
263	GOM_TRA_1PNPDE20110612_224827_000000503103_00260_48550_5094.N1	12-JUN-2011 22:48:27	Dark	49.500	31	Alp Gru	1.7340	15200.	99	48550	No
264	GOM_TRA_1PNPDE20110612_225009_000000573103_00260_48550_5095.N1	12-JUN-2011 22:50:09	Straylight	57.000	172	Gam Gru	3.0030	13100.	114	48550	No
265	GOM_TRA_1PNPDE20110612_225228_000000423103_00260_48550_5096.N1	12-JUN-2011 22:52:28	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	48550	No
266	GOM_TRA_1PNPDE20110612_230228_000000453103_00260_48550_5097.N1	12-JUN-2011 23:02:28	Twilight	45.000	25	35Lam Sco	1.6200	28000.	90	48550	No
267	GOM_TRA_1PNPDE20110612_230410_000000603103_00260_48550_5098.N1	12-JUN-2011 23:04:10	Bright	59.500	57	34Sig Sgr	2.0660	26000.	119	48550	No
268	GOM_TRA_1PNPDE20110612_230908_000000413103_00260_48550_5099.N1	12-JUN-2011 23:09:08	Bright	40.500	86	35Eta Oph	2.4300	10200.	81	48550	No
269	GOM_TRA_1PNPDE20110612_231551_000000463103_00260_48550_5100.N1	12-JUN-2011 23:15:51	Bright	46.000	126	60Bet Oph	2.7700	4250.0	92	48550	No
270	GOM_TRA_1PNPDE20110612_231824_000000473103_00260_48550_5101.N1	12-JUN-2011 23:18:24	Bright	46.500	59	55Alp Oph	2.0800	8900.0	93	48550	No
271	GOM_TRA_1PNPDE20110612_232015_000000403103_00260_48550_5102.N1	12-JUN-2011 23:20:15	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	48550	No
272	GOM_TRA_1PNPDE20110612_232320_000000393103_00260_48550_5103.N1	12-JUN-2011 23:23:20	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	48550	No
273	GOM_TRA_1PNPDE20110612_233013_000000423103_00260_48550_5104.N1	12-JUN-2011 23:30:13	Bright	41.500	130	23Bet Dra	2.7990	5800.0	83	48550	No
274	GOM_TRA_1PNPDE20110612_233138_000000373103_00260_48550_5105.N1	12-JUN-2011 23:31:38	Bright	37.000	119	14Eta Dra	2.7270	4700.0	74	48550	No
275	GOM_TRA_1PNPDE20110612_234042_000000483103_00260_48550_5106.N1	12-JUN-2011 23:40:42	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	48550	No
276	GOM_TRA_1PNPDE20110612_234656_000000523103_00260_48550_5107.N1	12-JUN-2011 23:46:56	Bright	52.000	74	11Bet Cas	2.2680	6600.0	104	48550	No
277	GOM_TRA_1PNPDE20110612_235316_000000423103_00260_48550_5108.N1	12-JUN-2011 23:53:16	Bright	41.500	73	57Gam1And	2.2600	13100.	83	48550	No
278	GOM_TRA_1PNPDE20110612_235535_000000523103_00260_48550_5109.N1	12-JUN-2011 23:55:35	Twilight	51.500	53	43Bet And	2.0480	3300.0	103	48550	No
279	GOM_TRA_1PNPDE20110612_235900_000000493103_00260_48550_5110.N1	12-JUN-2011 23:59:00	Twilight	49.000	50	13Alp Ari	2.0070	4250.0	98	48550	No

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



4. Overview of dark signal processing per product

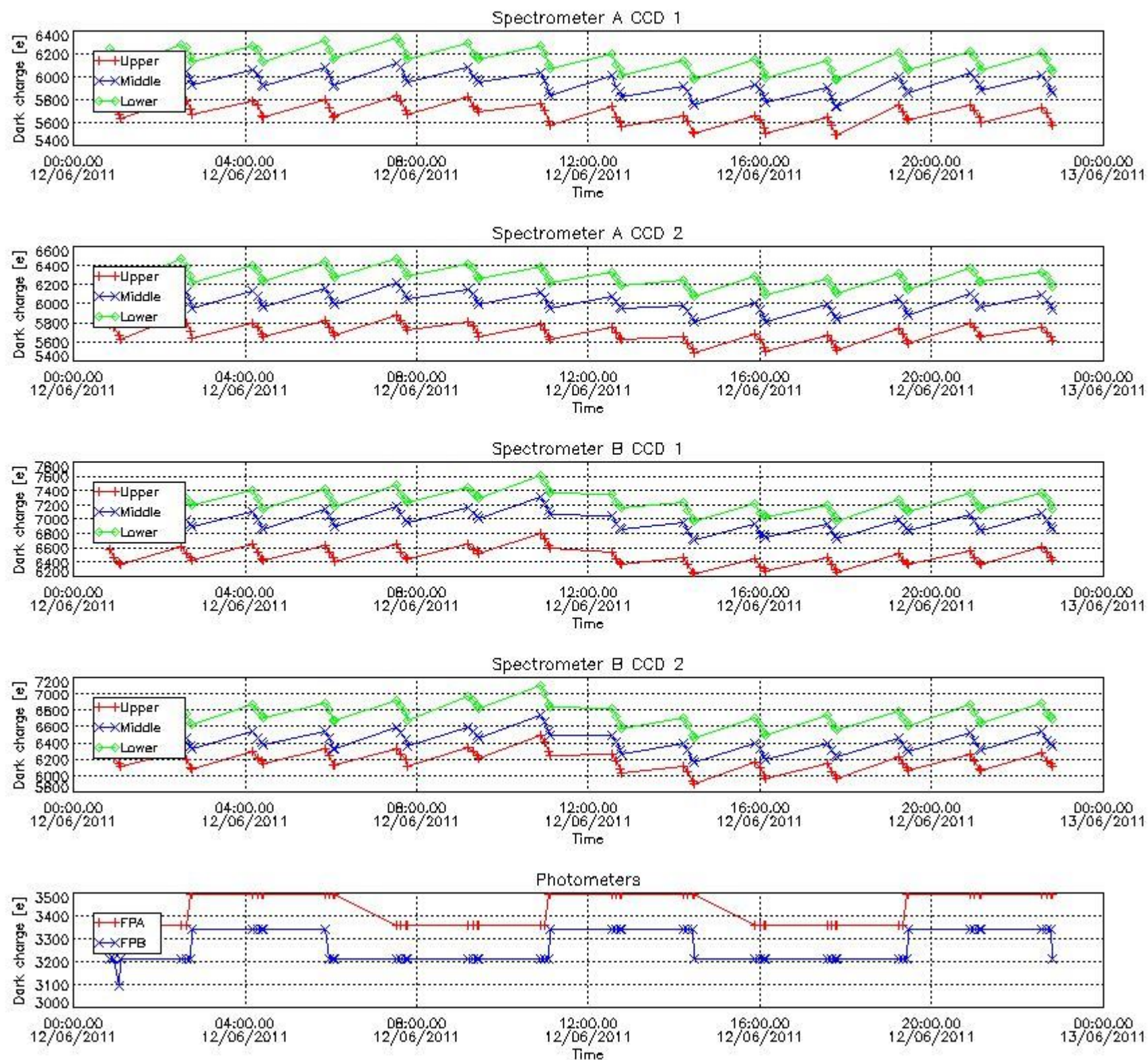
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20110612_212214_000000443103_00259_48549_5062.N1	DC map used
GOM_TRA_1PNPDE20110612_212356_000000583103_00259_48549_5063.N1	DC map used
GOM_TRA_1PNPDE20110612_212854_000000413103_00259_48549_5064.N1	DC map used
GOM_TRA_1PNPDE20110612_213537_000000463103_00259_48549_5065.N1	DC map used
GOM_TRA_1PNPDE20110612_213810_000000483103_00259_48549_5066.N1	DC map used
GOM_TRA_1PNPDE20110612_214002_000000403103_00259_48549_5067.N1	DC map used
GOM_TRA_1PNPDE20110612_214306_000000403103_00259_48549_5068.N1	DC map used
GOM_TRA_1PNPDE20110612_214959_000000423103_00259_48549_5069.N1	DC map used
GOM_TRA_1PNPDE20110612_215124_000000403103_00259_48549_5070.N1	DC map used
GOM_TRA_1PNPDE20110612_220029_000000483103_00259_48549_5071.N1	DC map used
GOM_TRA_1PNPDE20110612_220642_000000643103_00259_48549_5072.N1	DC map used
GOM_TRA_1PNPDE20110612_221302_000000473103_00259_48549_5073.N1	DC map used
GOM_TRA_1PNPDE20110612_221521_000000543103_00259_48549_5074.N1	DC map used
GOM_TRA_1PNPDE20110612_221846_000000543103_00259_48549_5075.N1	DC map used

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



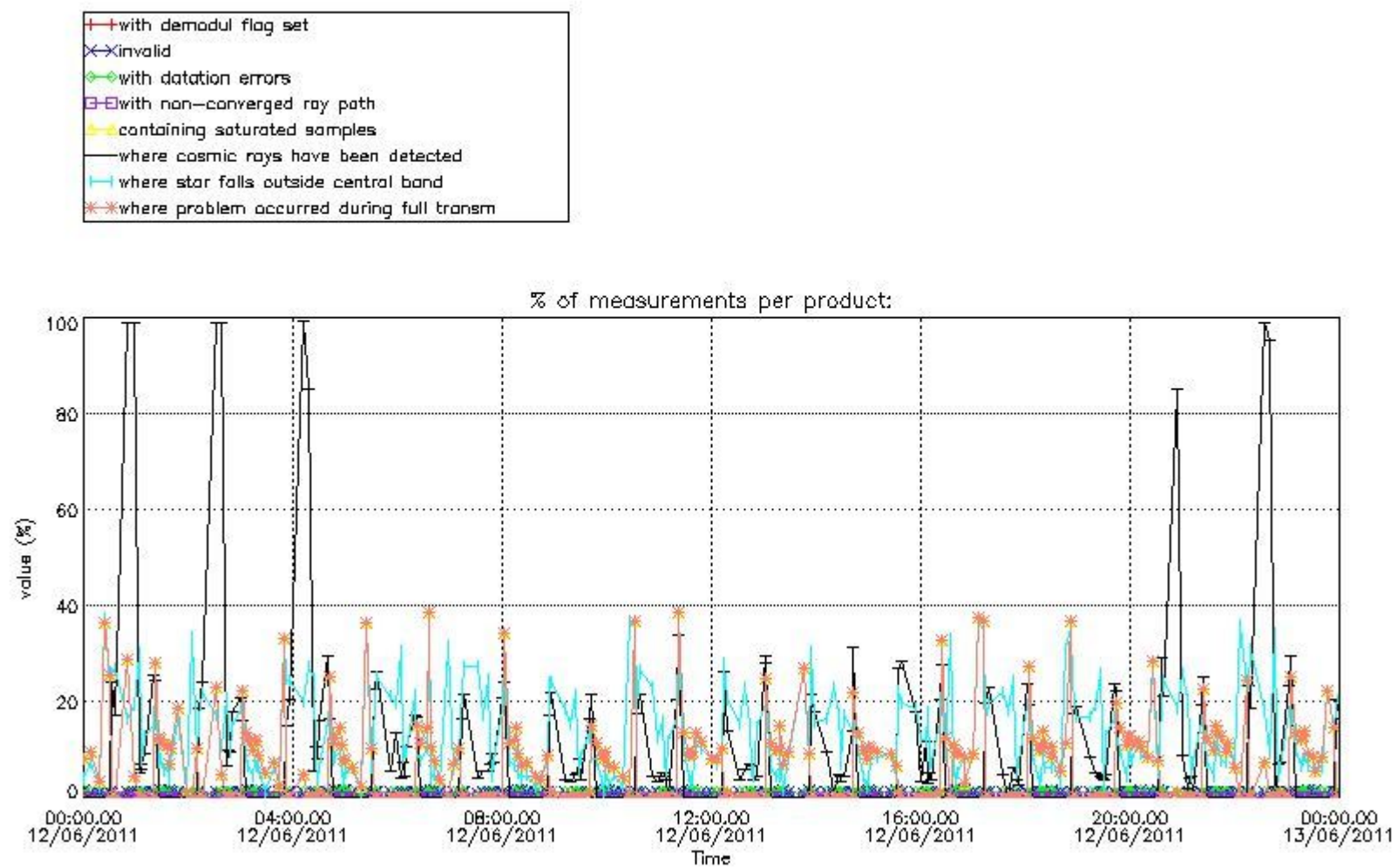
5. Demodulation flag and quality information monitoring

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.

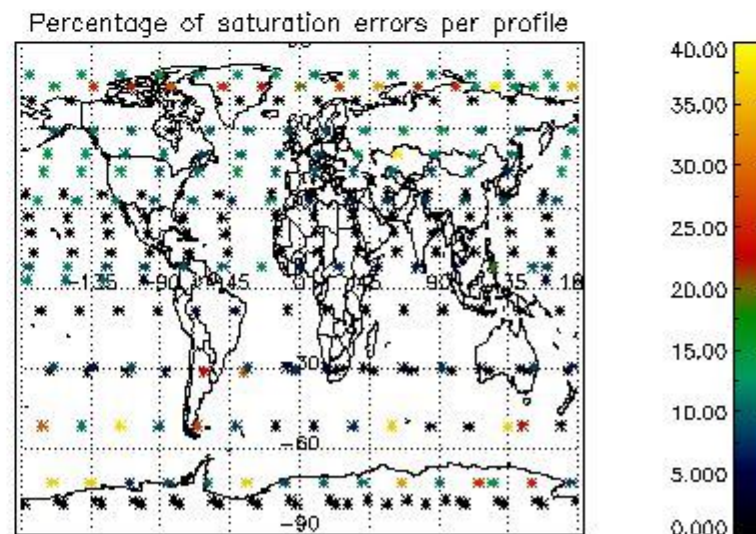
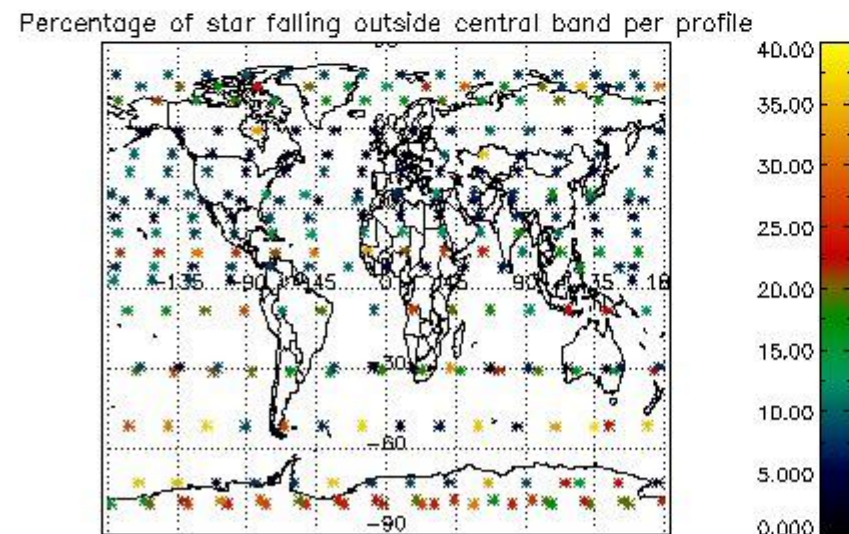
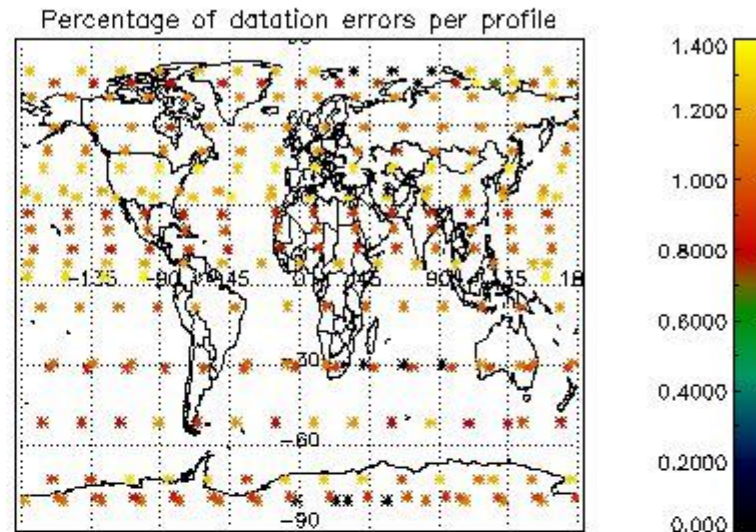
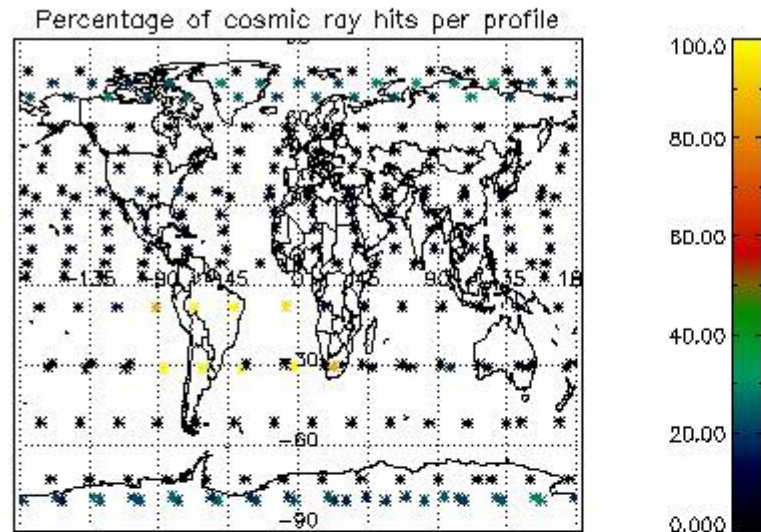
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	44.8029 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	54.1219 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



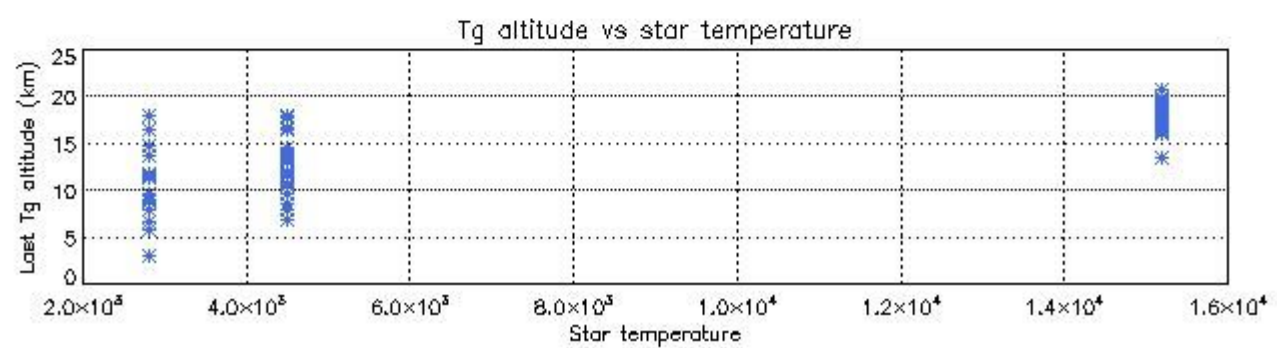
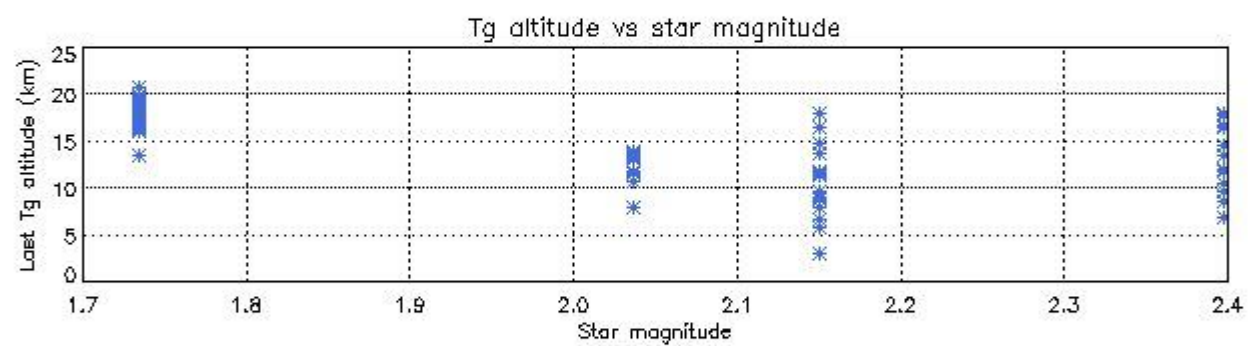
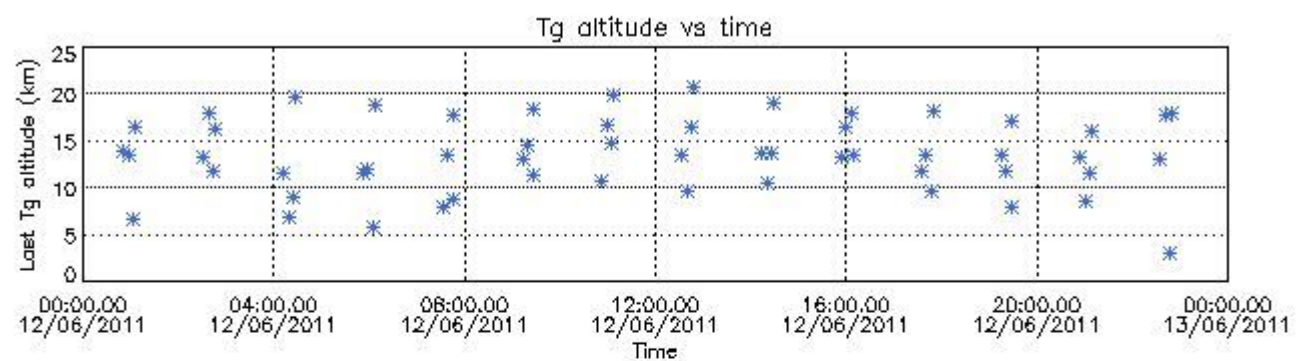
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.487	18.031	9.9484
St. deviation:	3.9744	5.7970	1.8111
Maximum:	20.777	26.057	12.814
Minimum:	3.0891	3.5020	6.6624
Number of data:	56.000	151.00	15.000

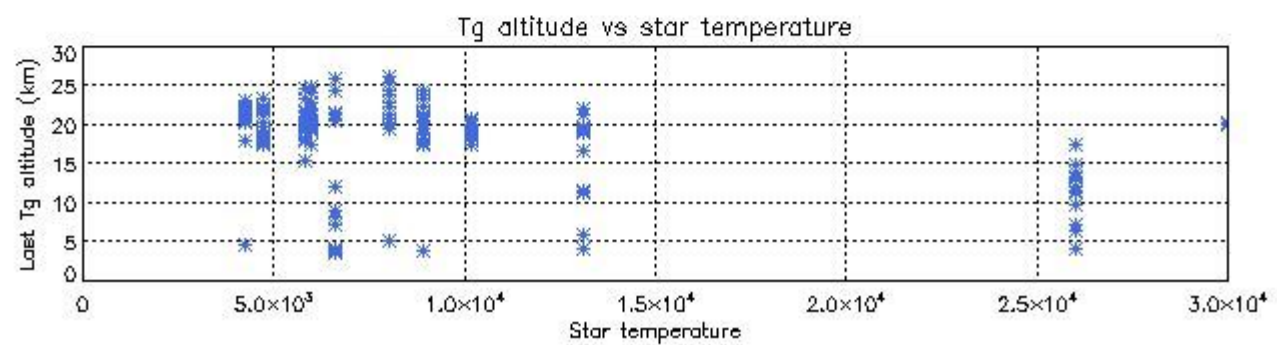
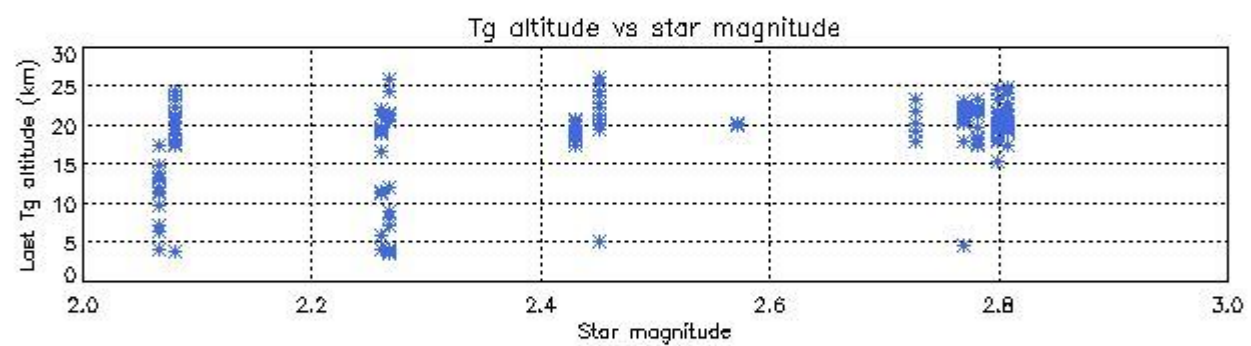
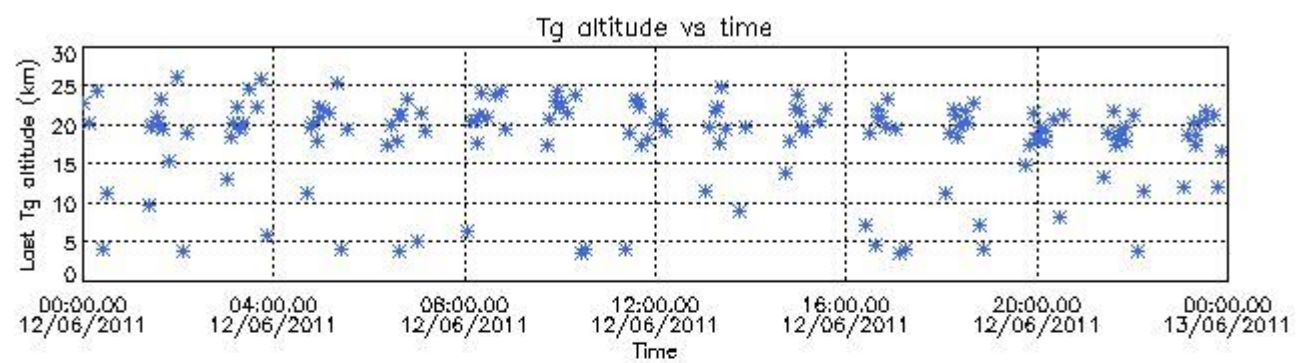
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



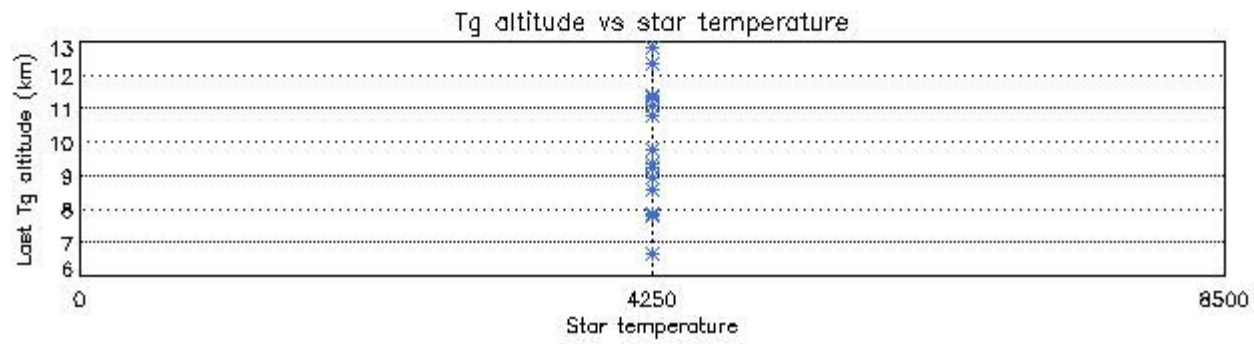
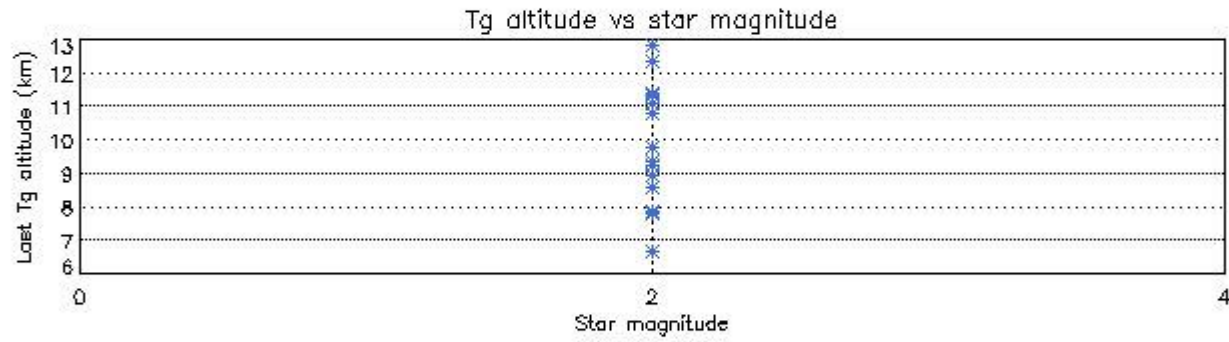
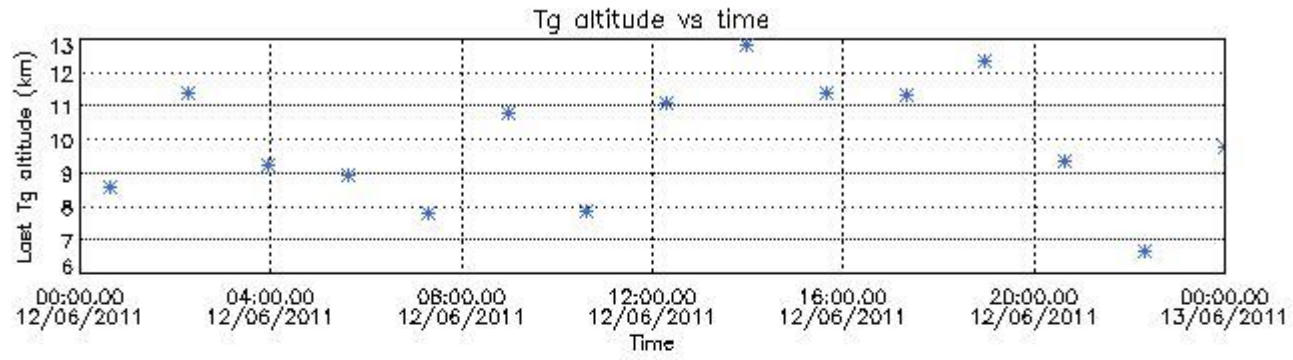
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

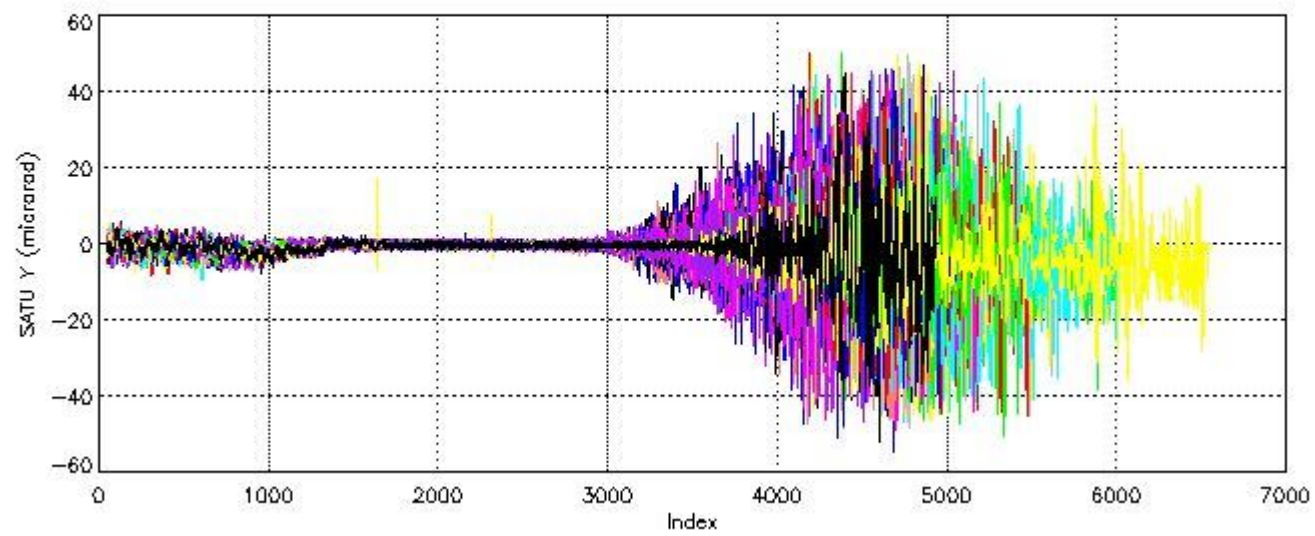
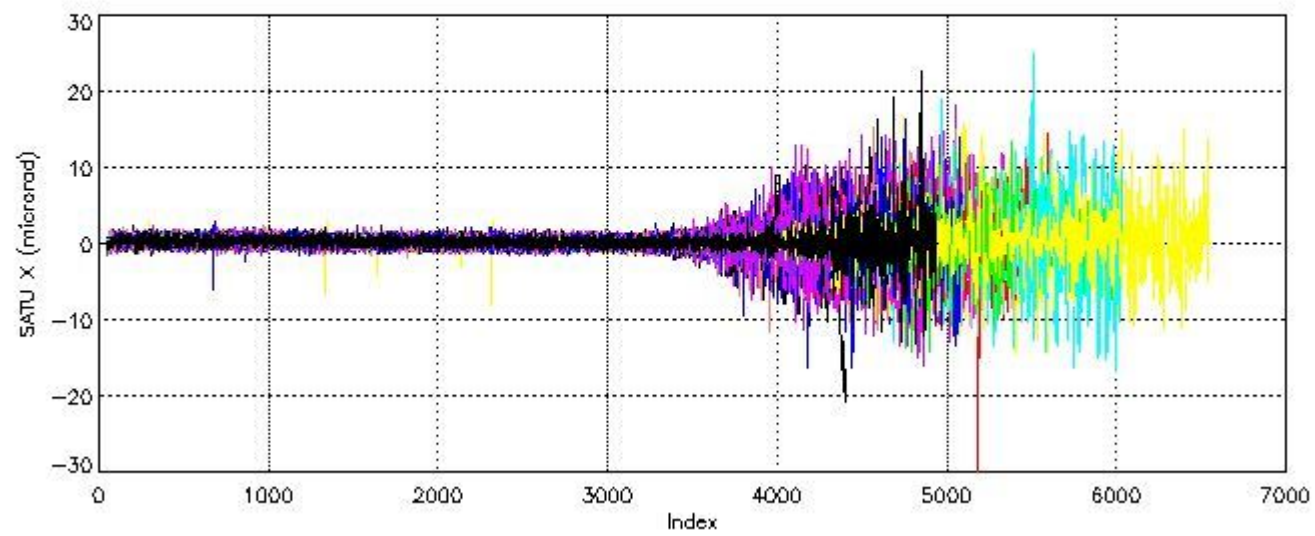


7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere. Statistics (in microradians) above 105 km are computed for every occultation, giving four values per occultation: one in the 'X' direction and one in the 'Y' direction for dark and bright limbs. A mean value per day in every direction and limb is calculated and monitored in order to assess instrument performance in terms of star pointing.

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.31992	-1.3045	0.25614	-1.3806
St. deviation:	0.35171	1.6156	0.75434	1.6311
Maximum:	3.0000	5.8000	4.6000	7.9000
Minimum:	-6.0000	-9.7000	-3.9000	-8.7000

Number of data:	61300.	61300.	1.5375E+05	1.5375E+05
90Percentile:	0.80000	0.70000	1.3000	0.50000

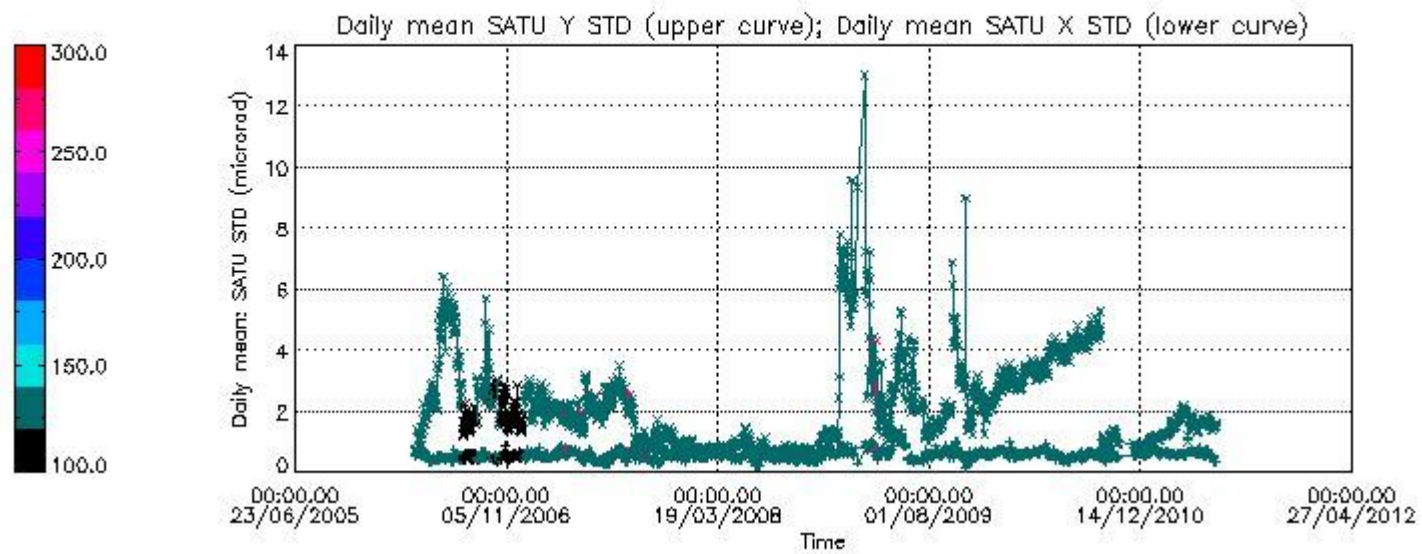
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

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

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

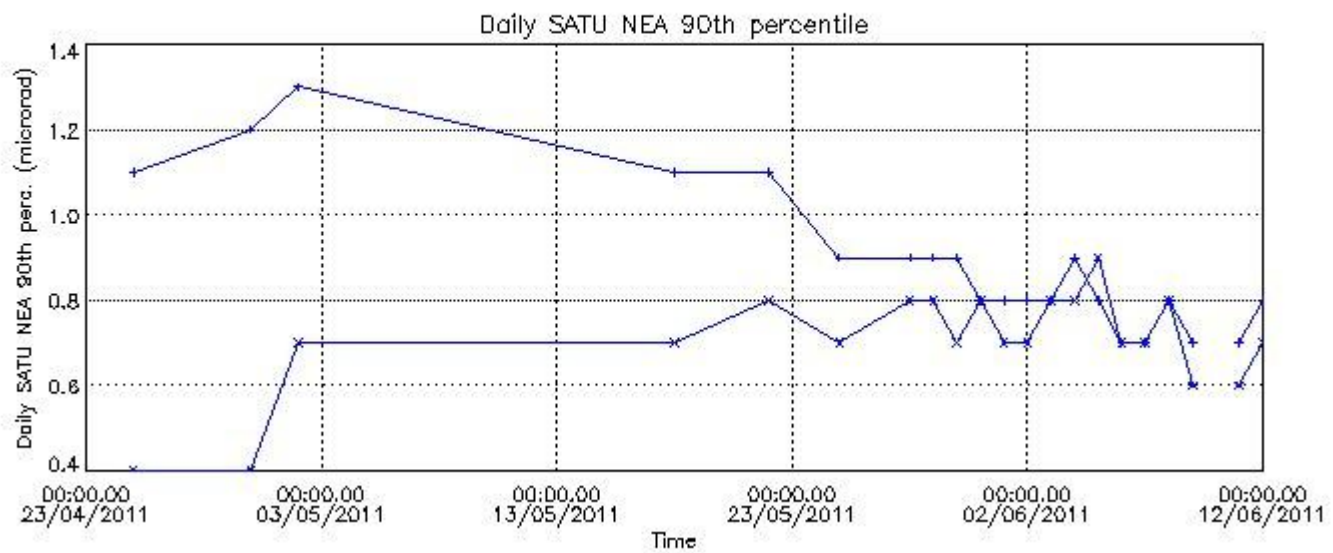
Upper curve: STD of SATU Y axis

Lower curve: STD of SATU X axis



Lower curve: 90th percentile of SATU Y axis

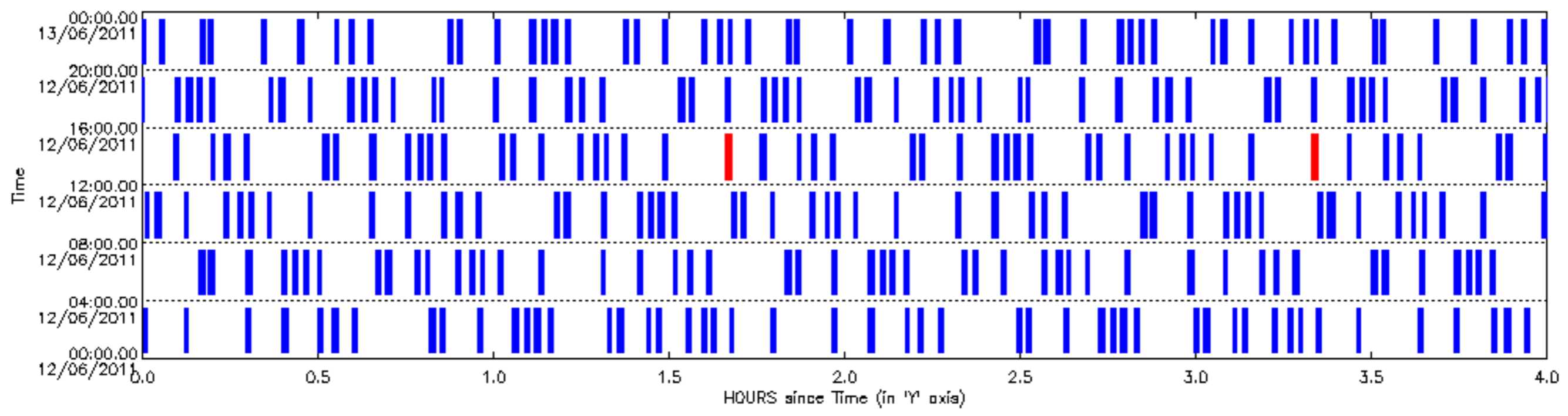
Upper curve: 90th percentile of SATU X axis

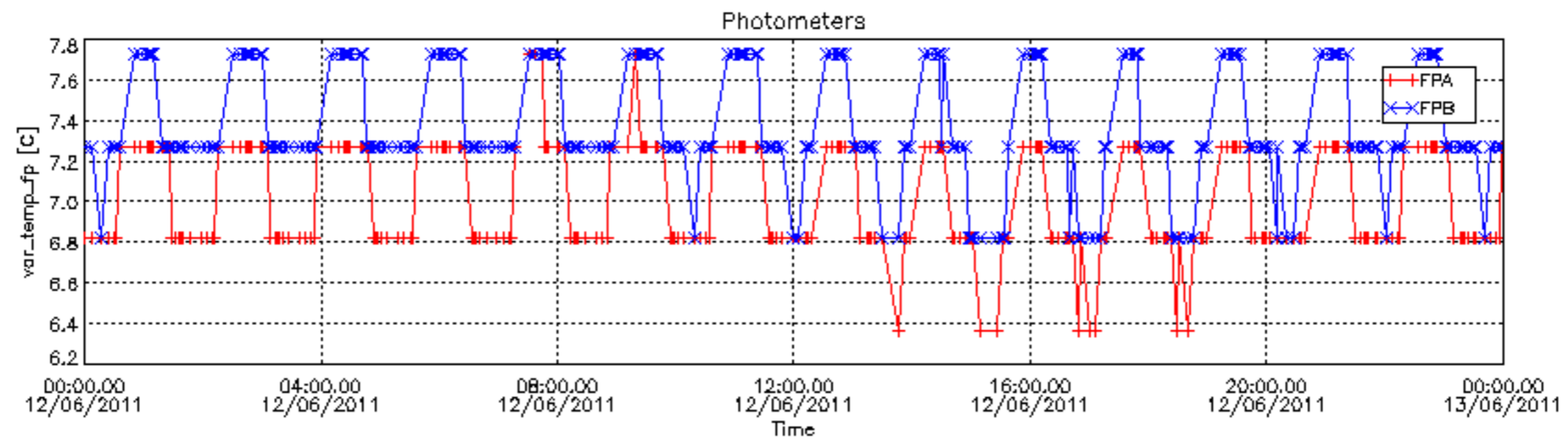
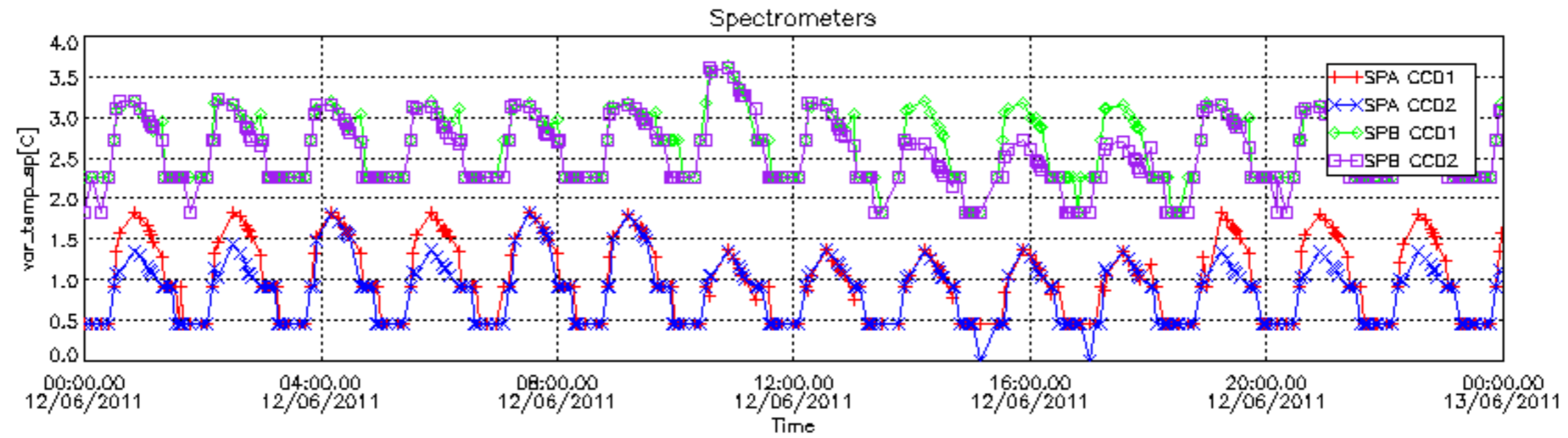


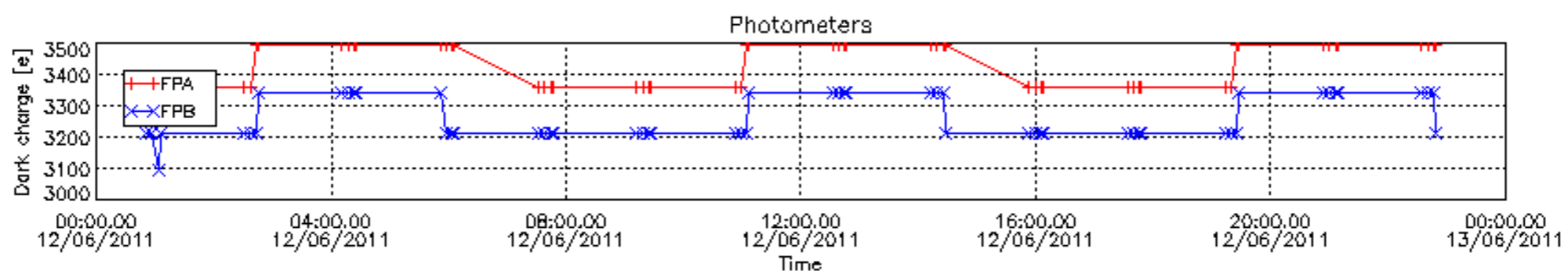
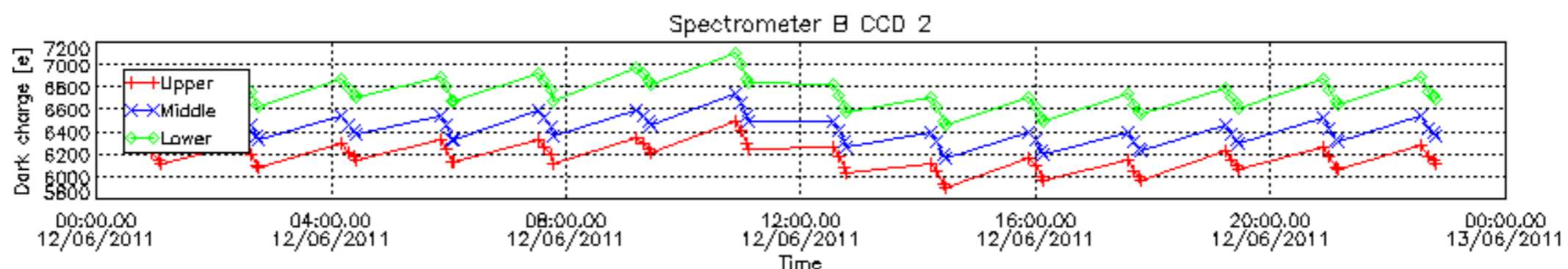
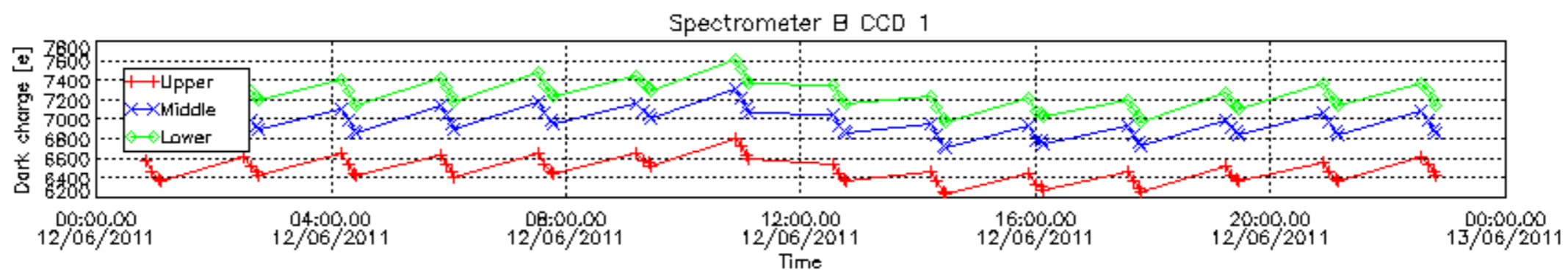
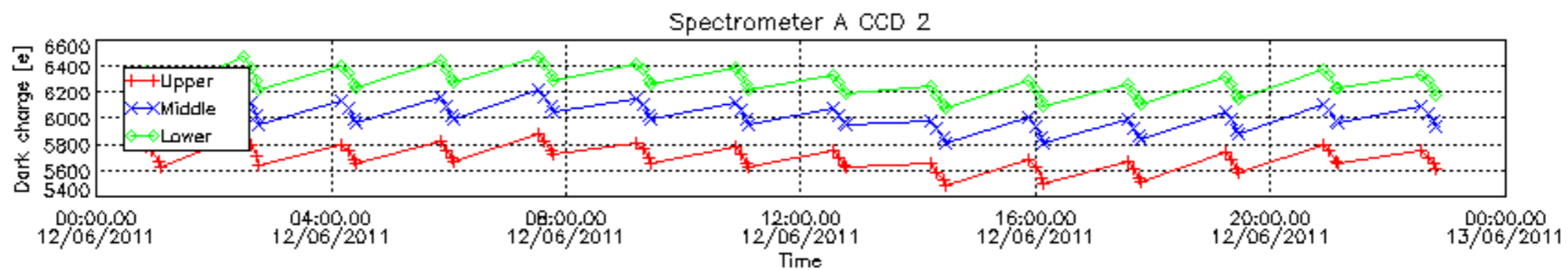
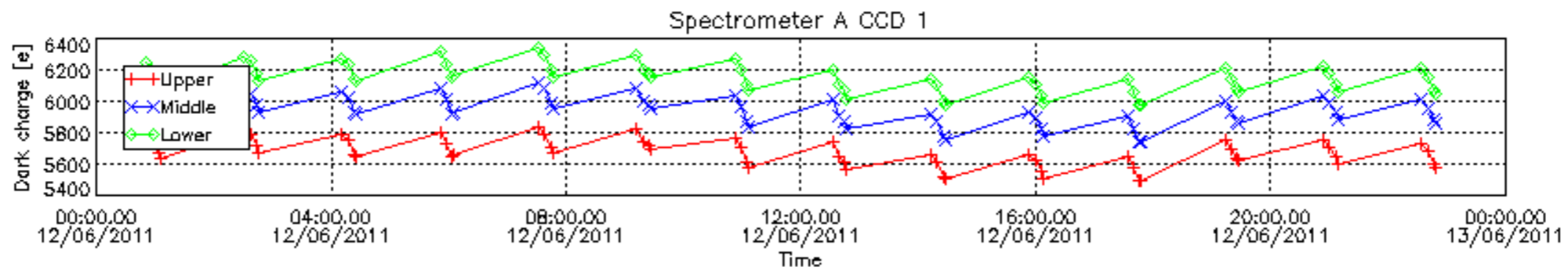
8. Auxiliary Data Files used for the production reported in section 2.4

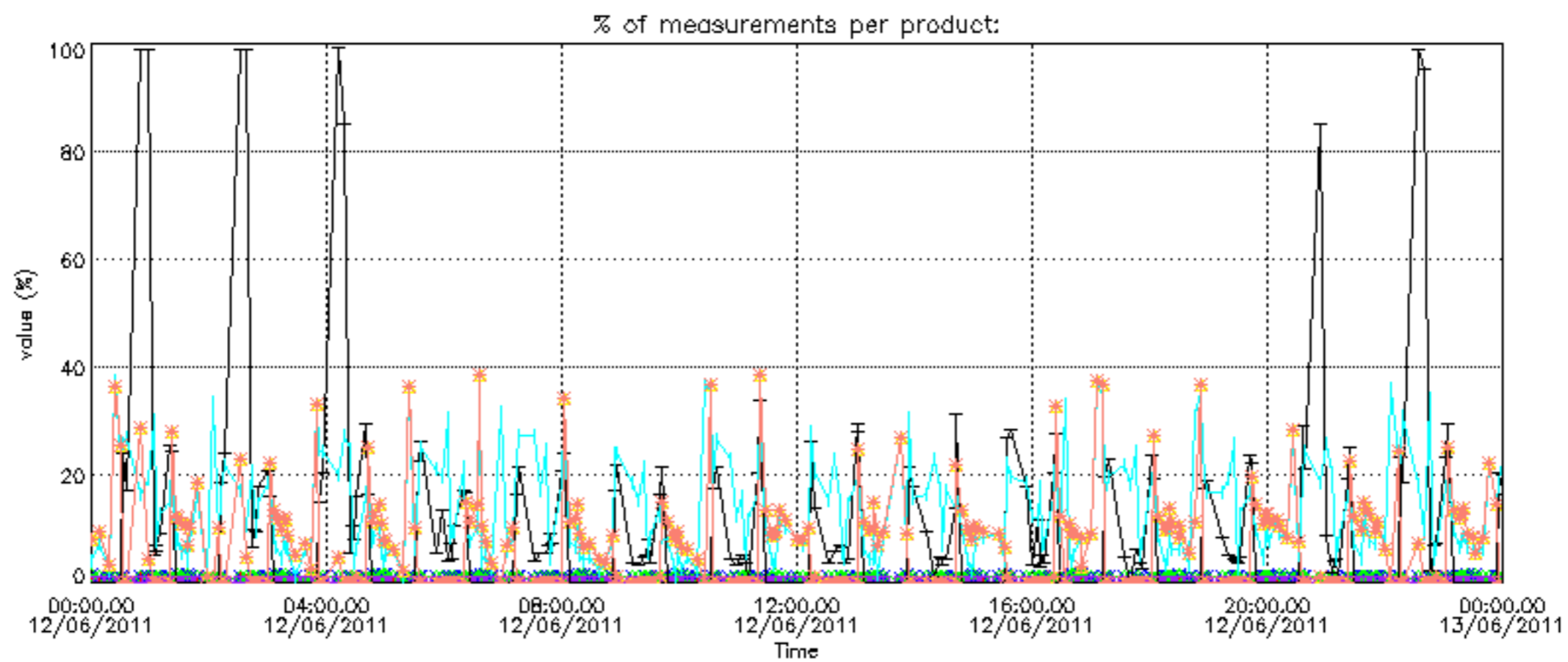
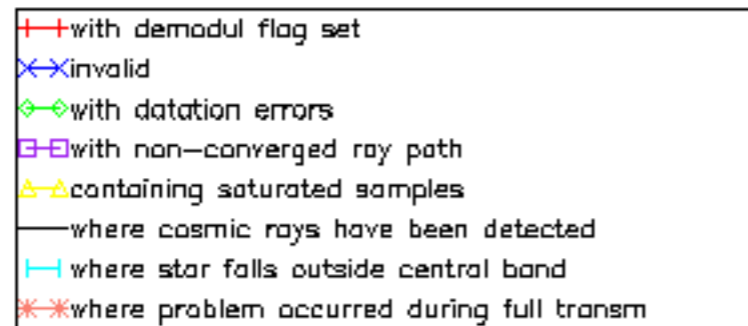
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	12-JUN-2011 00:00:07
CALIBRATION_DATABASE	GOM_CAL_AXNIEC20110606_150230_20110607_000000_20500101_000000	1	12-JUN-2011 00:00:07
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20110513_081743_20020301_000000_20500101_000000	1	12-JUN-2011 00:00:07
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	12-JUN-2011 00:00:07
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	12-JUN-2011 00:00:07
ECMWF_FILE	AUX_ECF_AXNECM20110611_062555_20110611_210000_20110612_090000	1	12-JUN-2011 00:00:07
ECMWF_FILE	AUX_ECF_AXNECM20110611_182554_20110612_030000_20110612_150000	44	12-JUN-2011 03:44:12
ECMWF_FILE	AUX_ECA_AXNECM20110612_062114_20110611_210000_20110612_090000	64	12-JUN-2011 05:24:26
ECMWF_FILE	AUX_ECA_AXNECM20110612_183649_20110612_030000_20110612_150000	83	12-JUN-2011 07:04:40
ECMWF_FILE	AUX_ECA_AXNECM20110612_183650_20110612_090000_20110612_210000	140	12-JUN-2011 12:05:20
ECMWF_FILE	AUX_ECF_AXNECM20110612_062115_20110612_150000_20110613_030000	226	12-JUN-2011 19:42:00
ECMWF_FILE	AUX_ECF_AXNECM20110612_062115_20110612_210000_20110613_090000	246	12-JUN-2011 21:22:14
OPTIONAL_ECMWF_FILE	MISSING	1	12-JUN-2011 00:00:07
OPTIONAL_ECMWF_FILE	AUX_ECA_AXNECM20110612_183650_20110612_090000_20110612_210000	115	12-JUN-2011 09:54:01
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110611_102553_20110610_185516_20110620_210902	1	12-JUN-2011 00:00:07
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110612_102113_20110611_195845_20110621_203218	83	12-JUN-2011 07:04:40

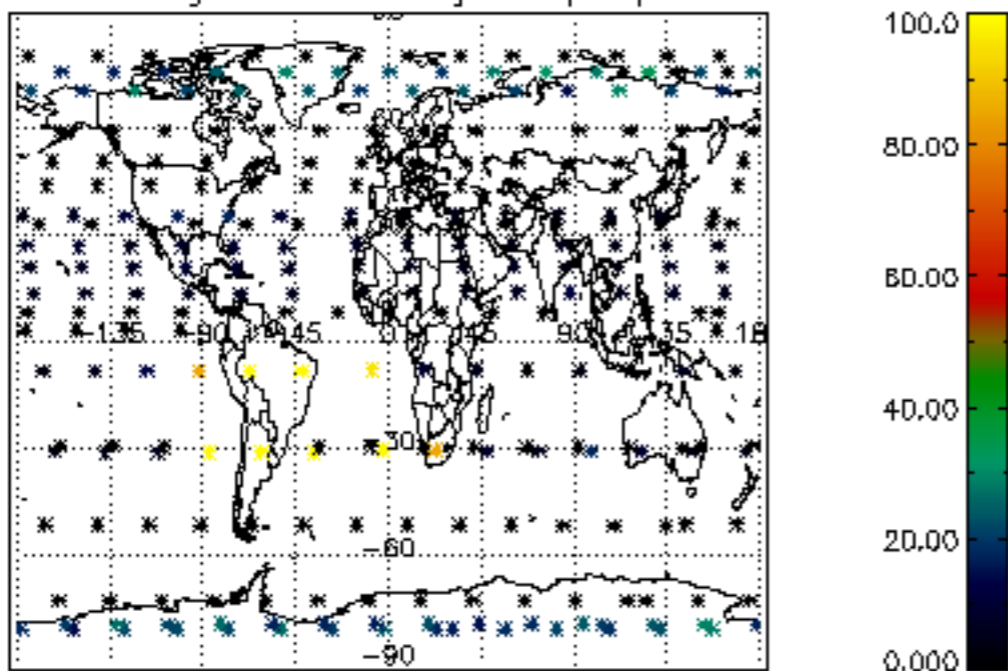




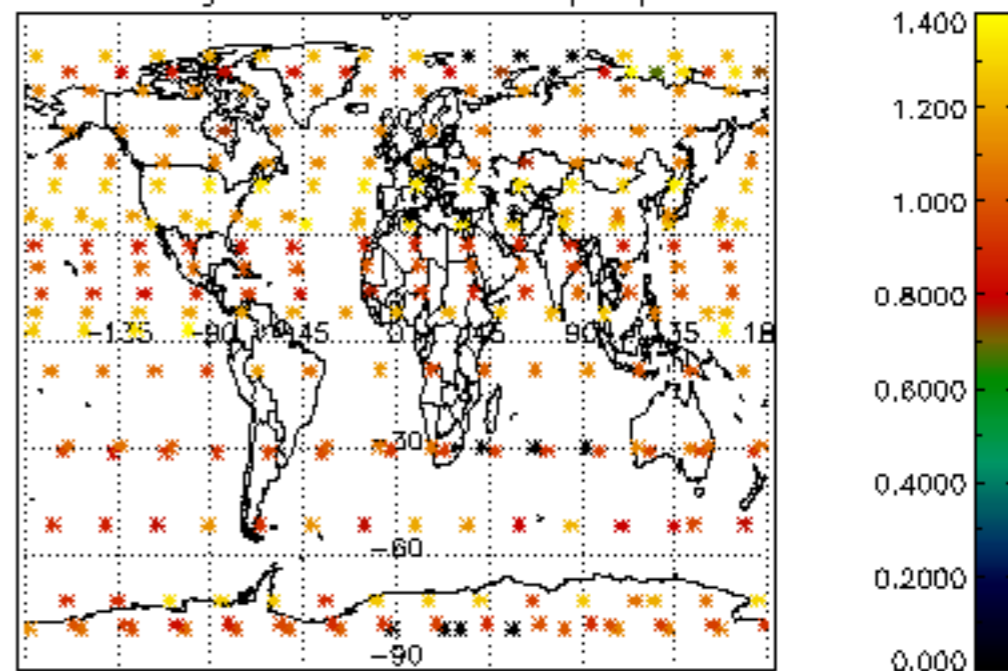




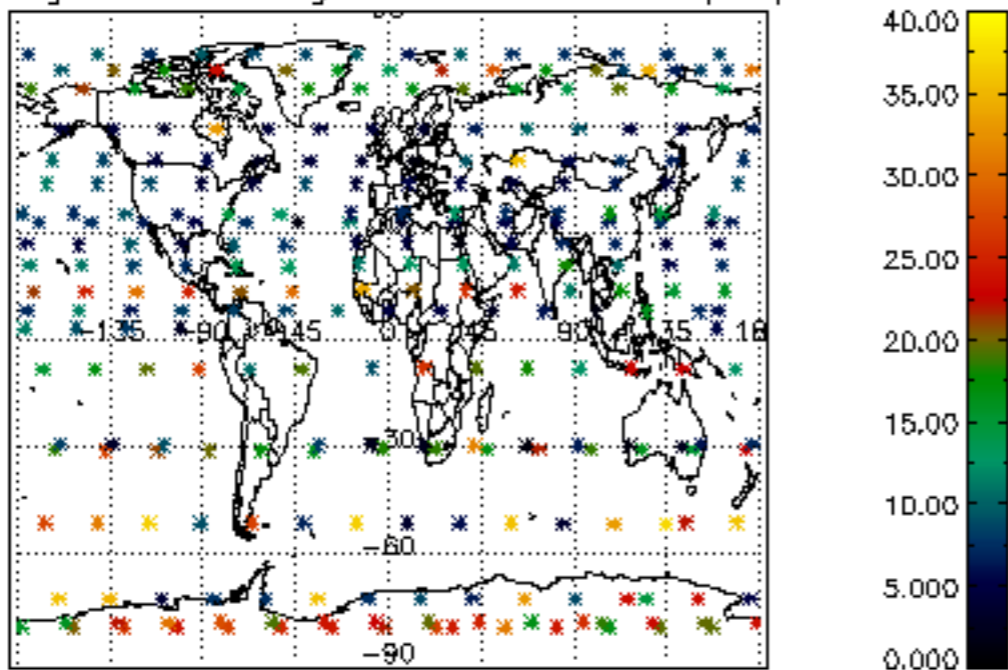
Percentage of cosmic ray hits per profile



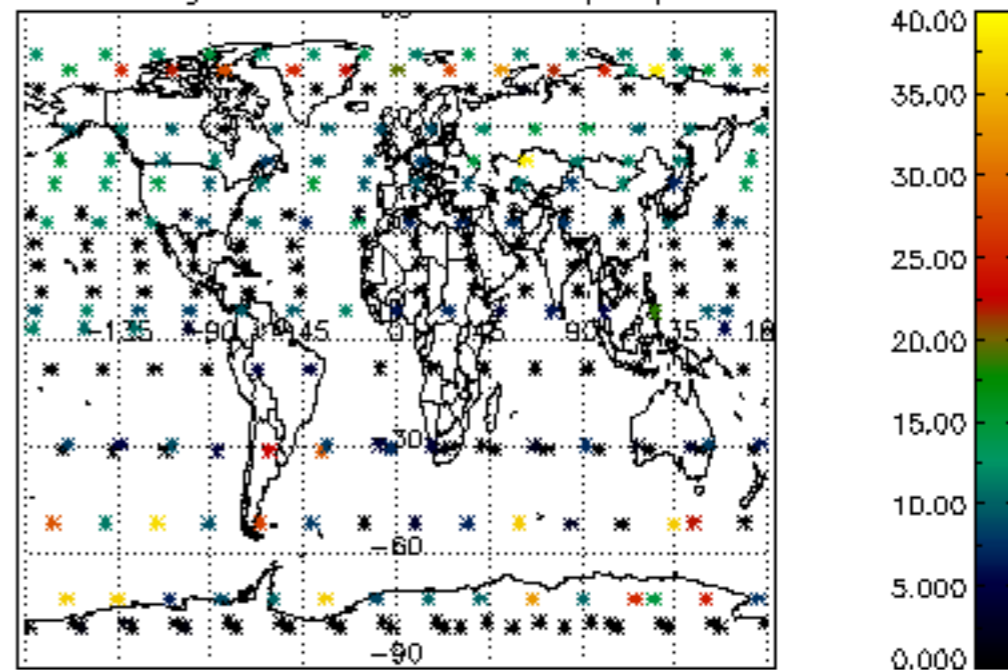
Percentage of datation errors per profile



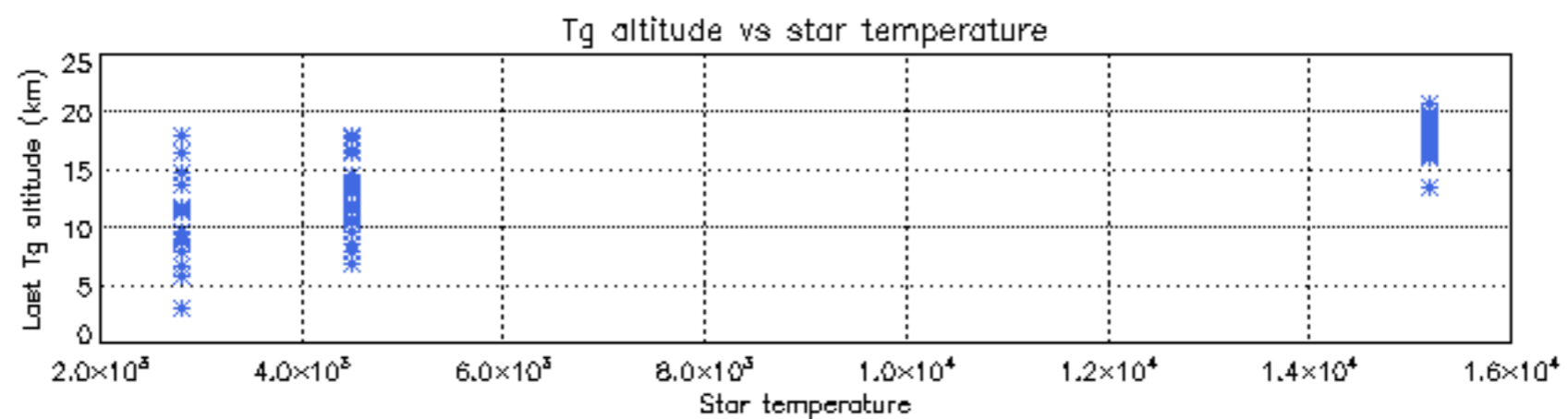
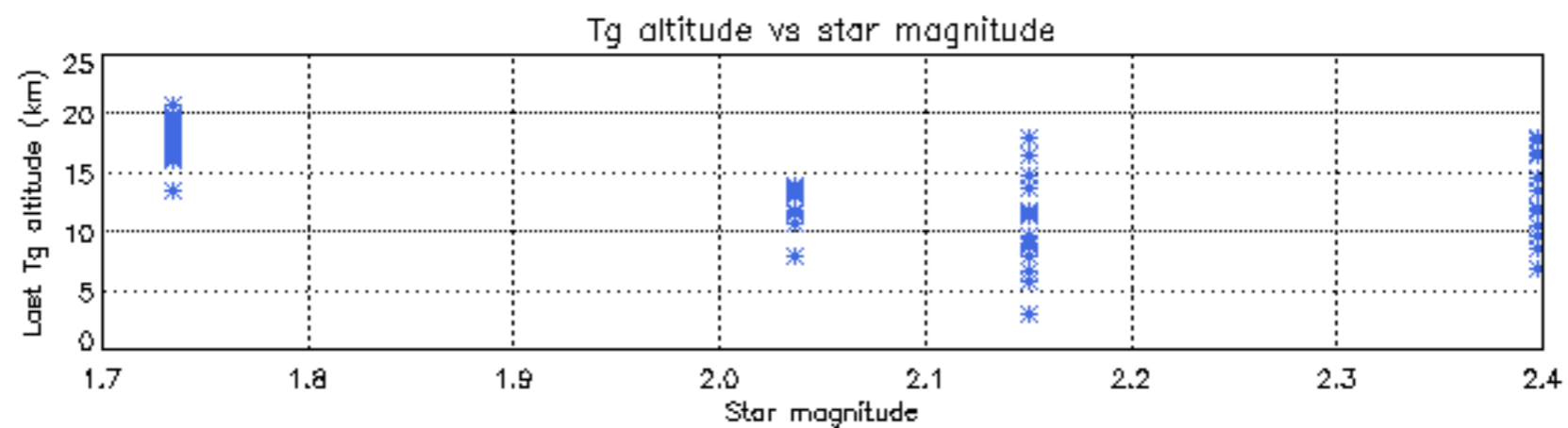
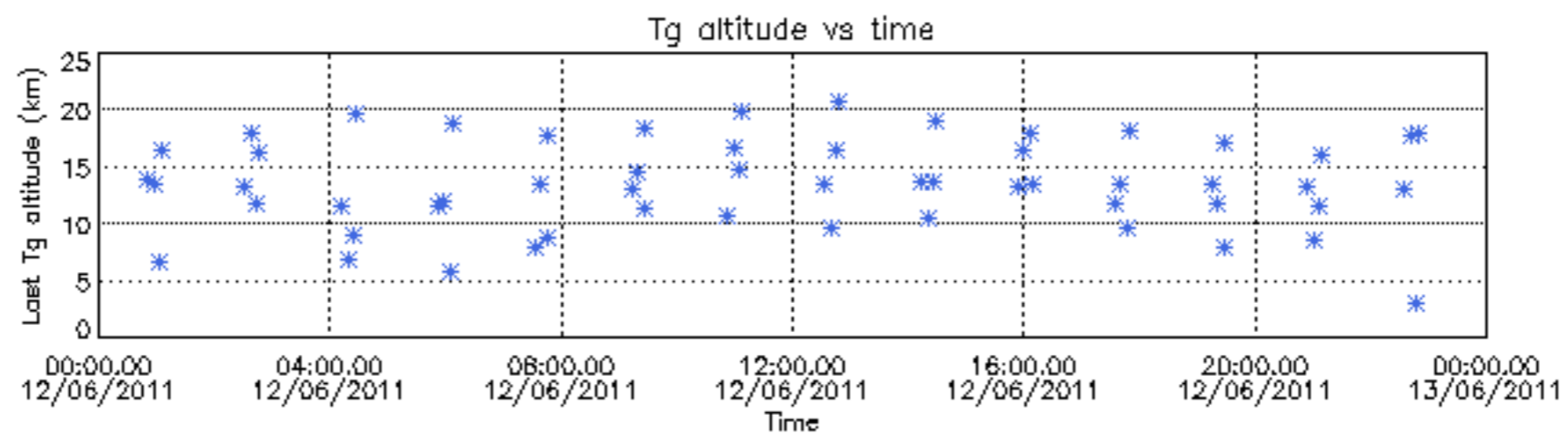
Percentage of star falling outside central band per profile



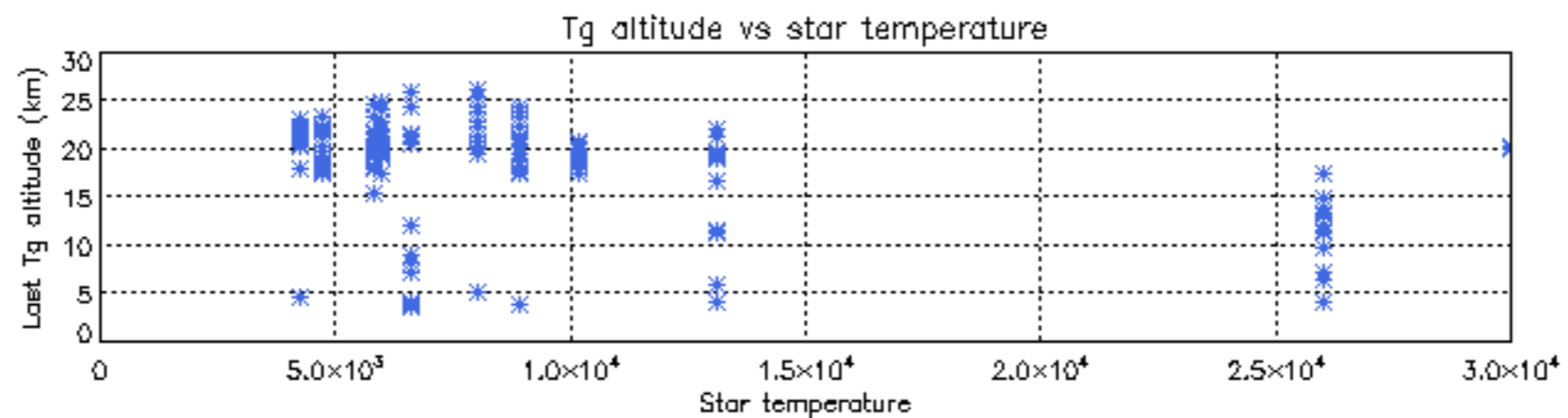
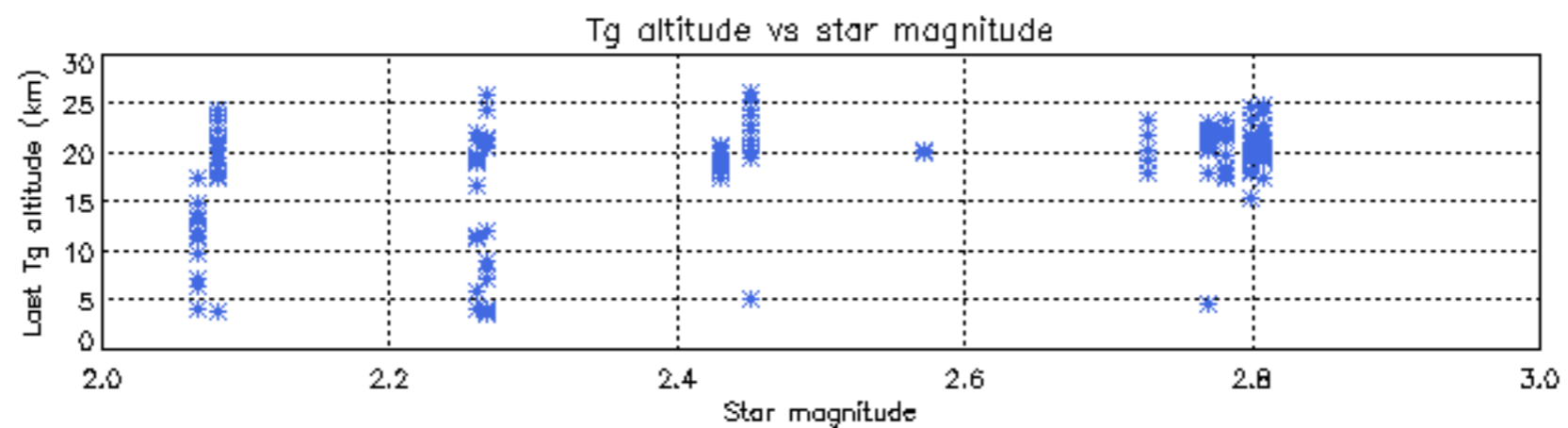
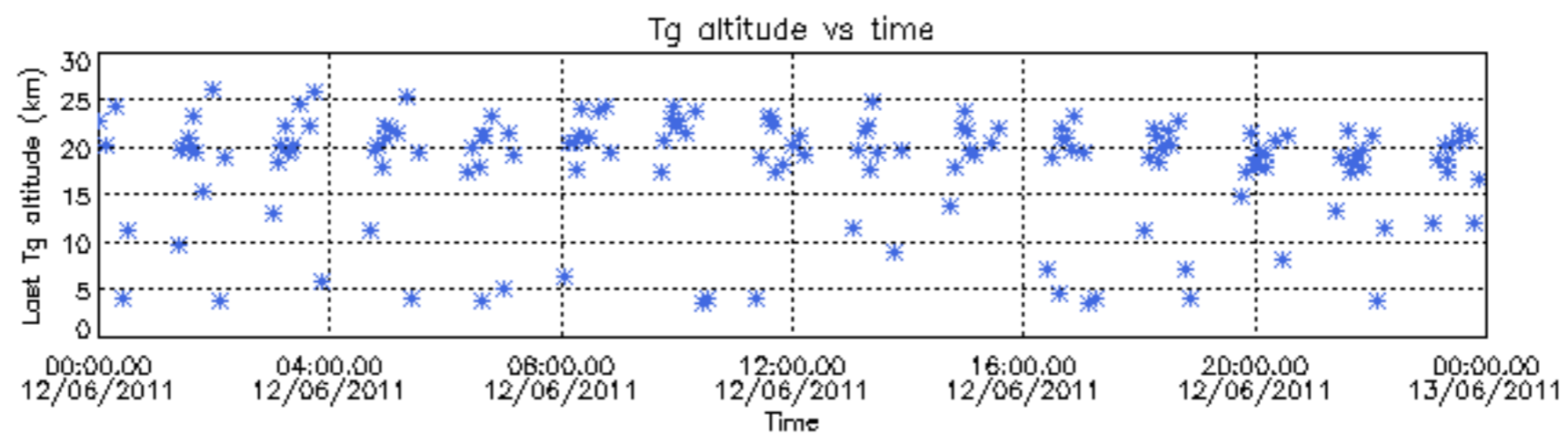
Percentage of saturation errors per profile



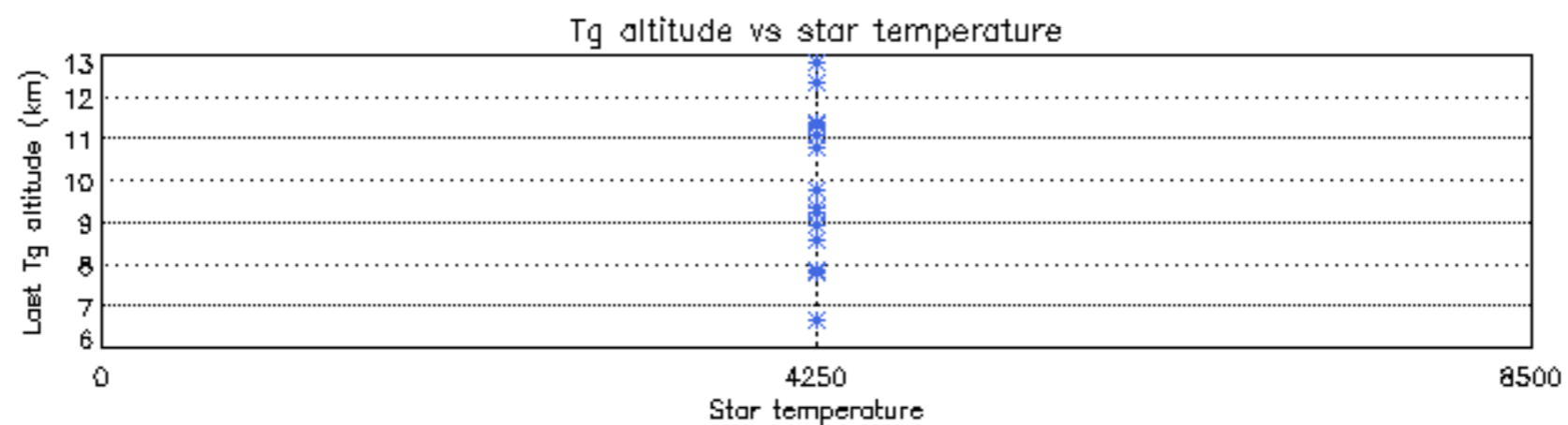
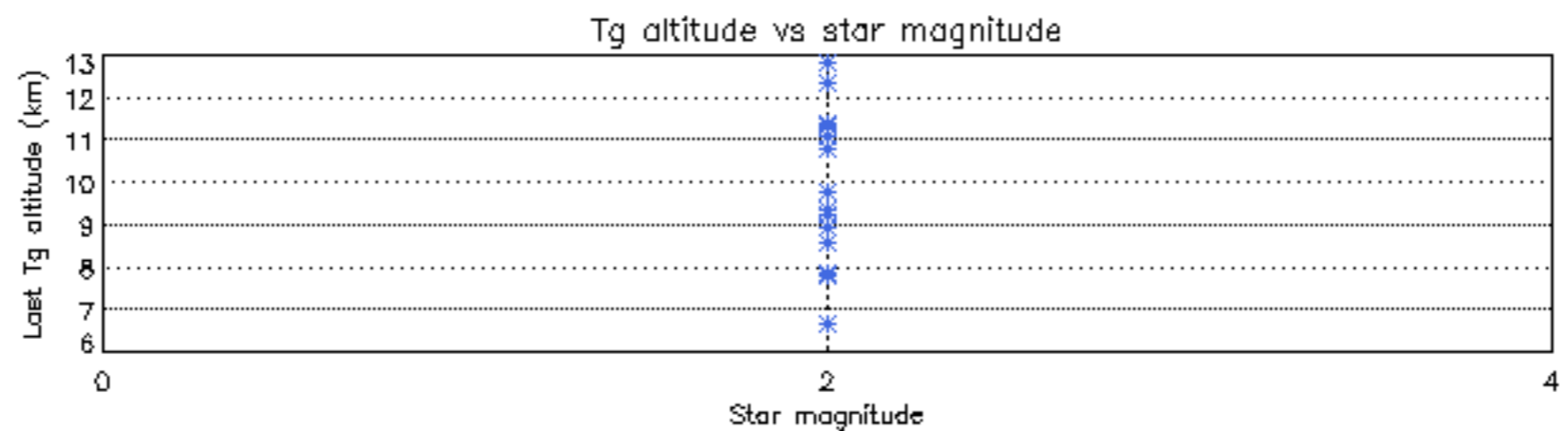
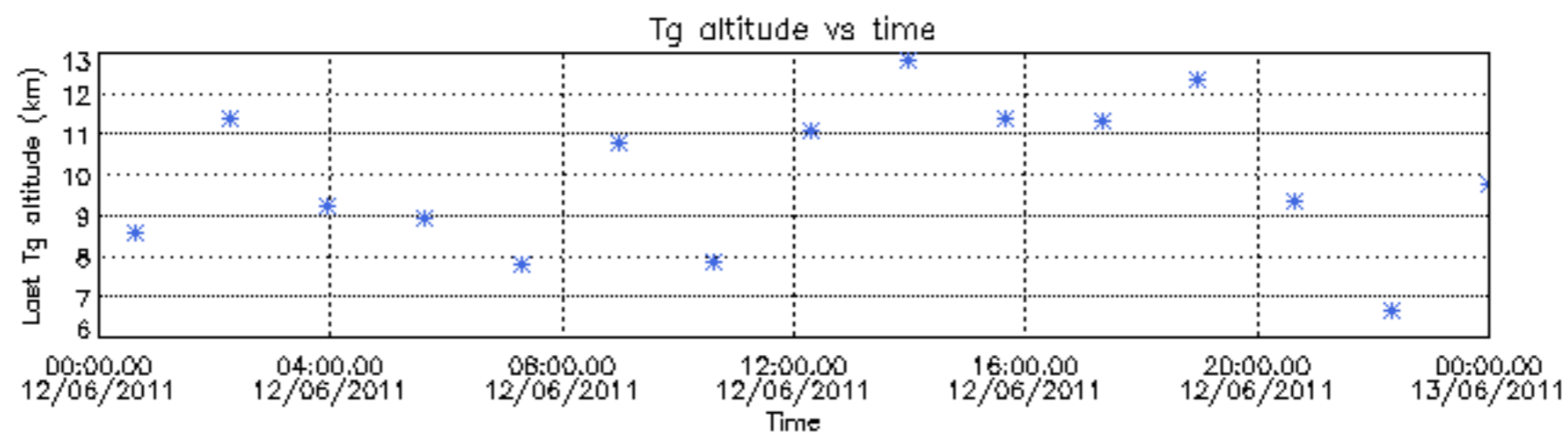
Tangent altitude at which the star is lost

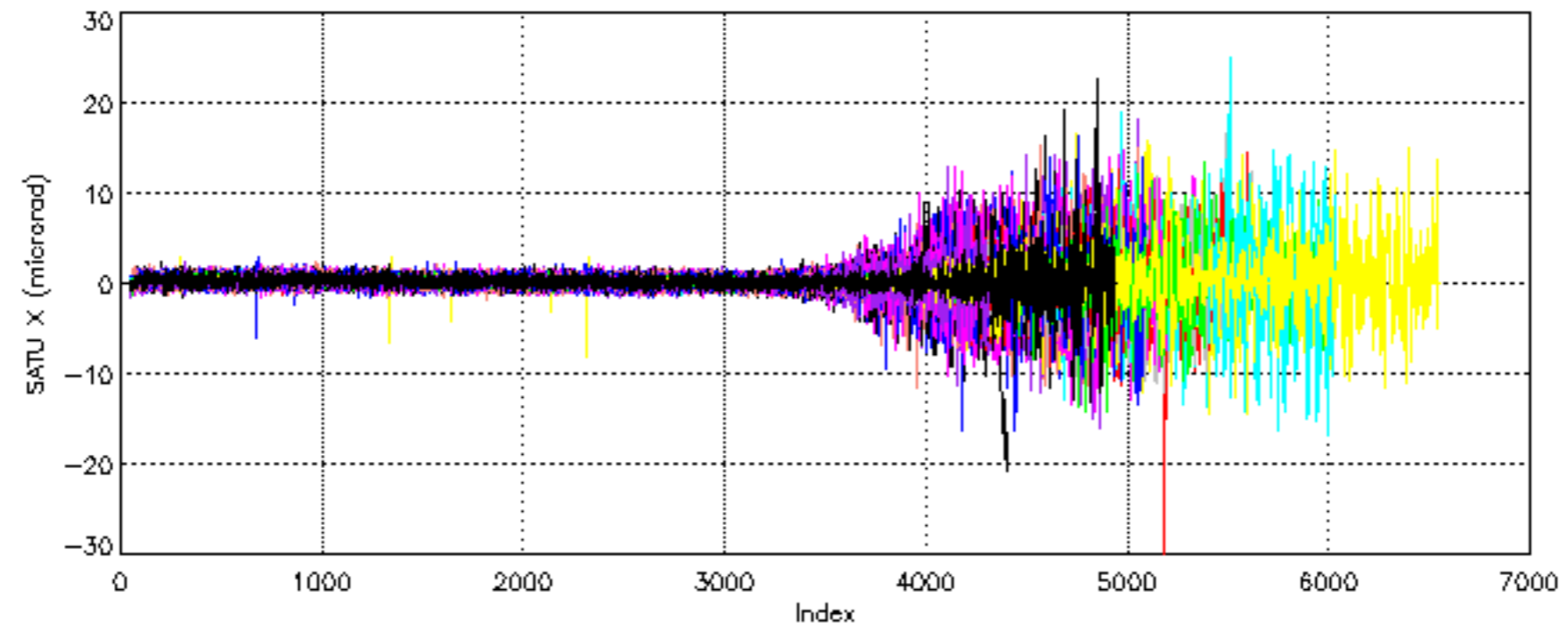


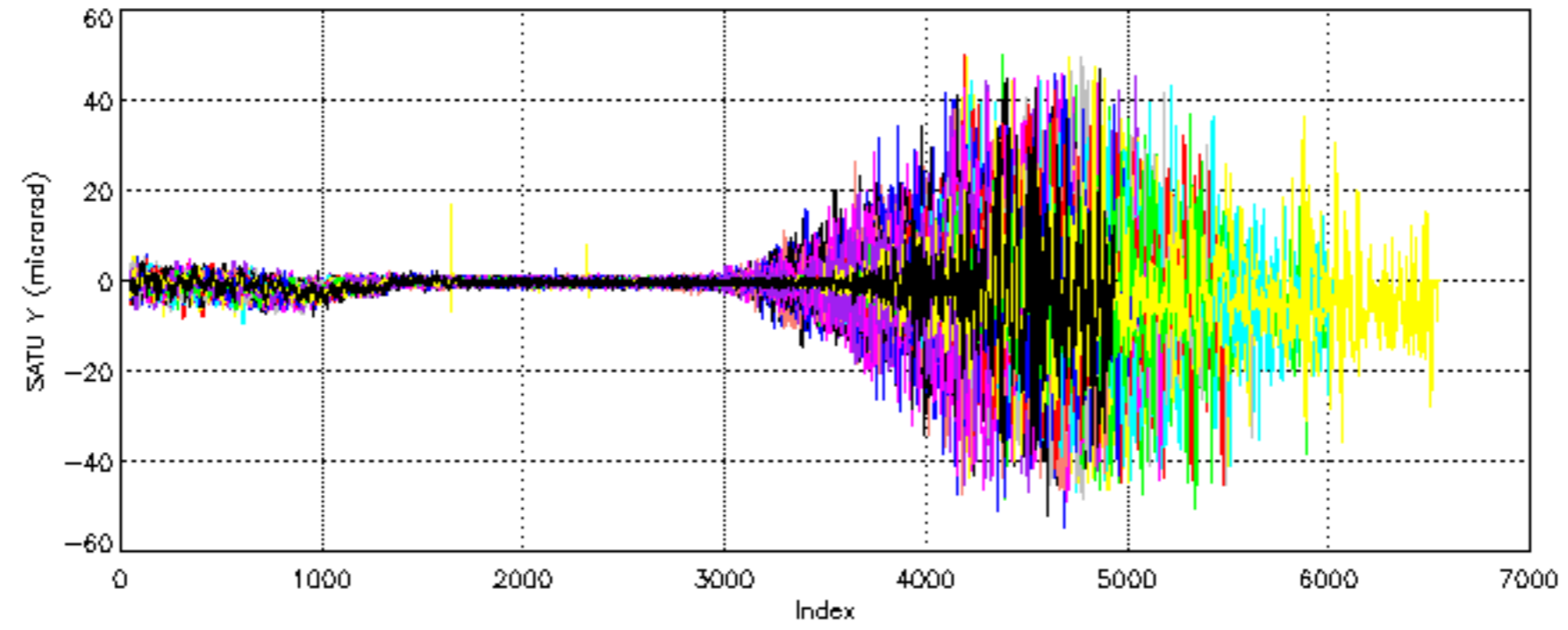
Tangent altitude at which the star is lost

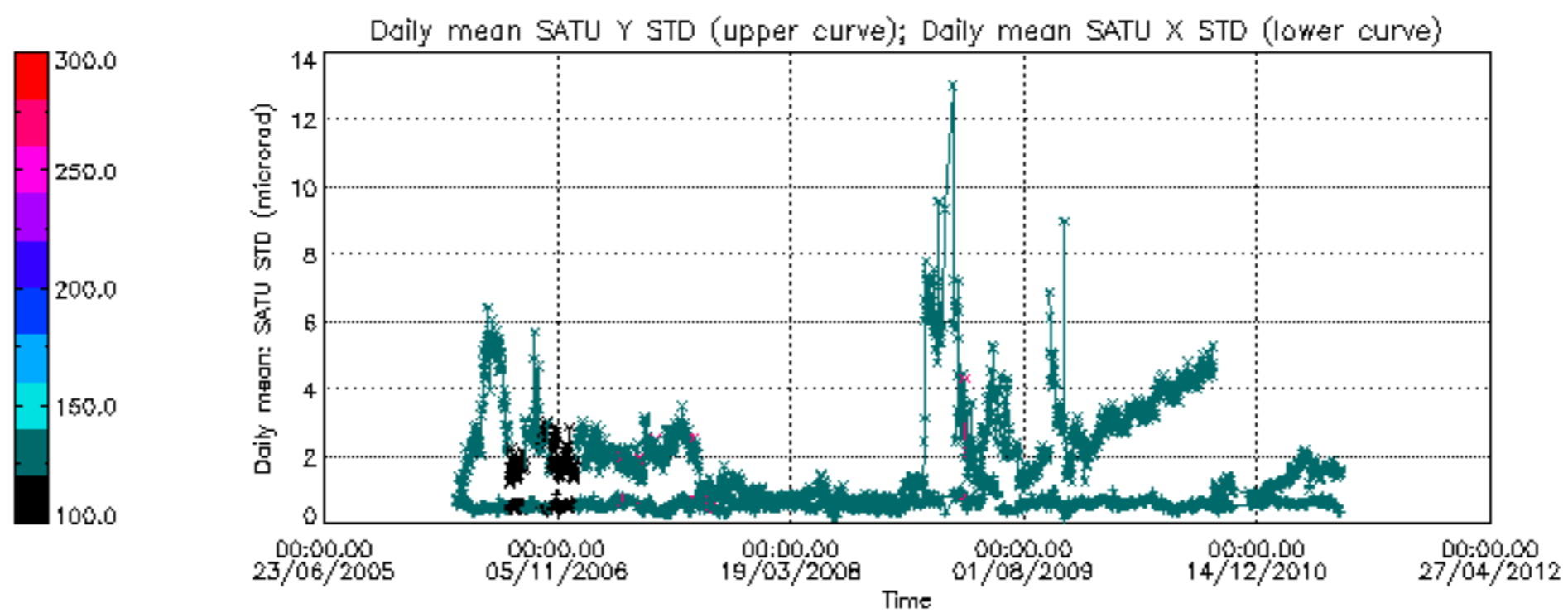


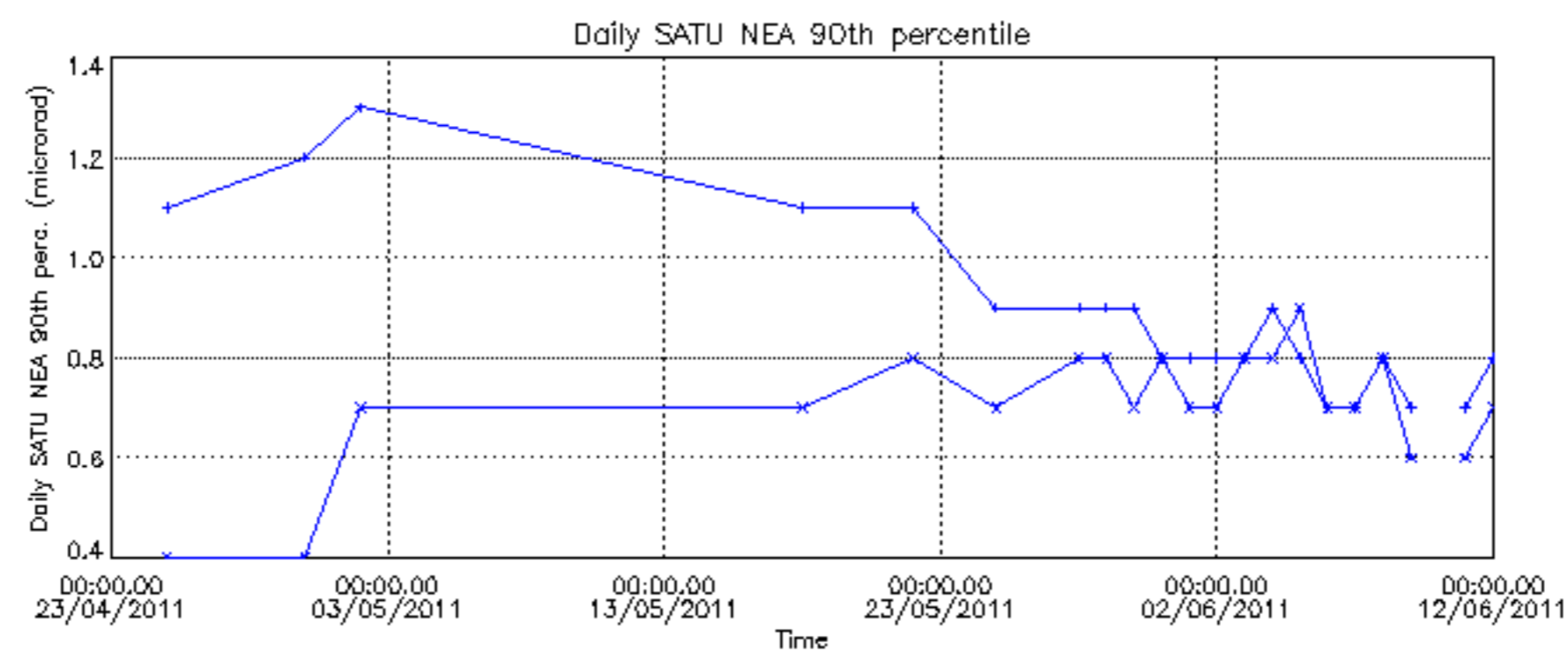
Tangent altitude at which the star is lost











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1; -744.8; 01-JUN-2011 00:50:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48378
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 4; -115.9; 01-JUN-2011 01:00:42; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;48378
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 6; 192.4; 01-JUN-2011 01:05:50; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;48379
 7; 487.9; 01-JUN-2011 01:10:46; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48379
 8; 930.5; 01-JUN-2011 01:18:08; Dark ; 42.5; 147; Alp Ara ; 2.88; 26000;occ; 85; 0;48379
 9; 1031.5; 01-JUN-2011 01:19:49; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;48379
 10; 1138.9; 01-JUN-2011 01:21:37; Dark ; 46.5; 25; 35Lam Sco ; 1.62; 28000;occ; 93; 0;48379
 11; 1243.7; 01-JUN-2011 01:23:21; Dark ; 45.5; 75; 26Eps Sco ; 2.29; 4250;occ; 91; 0;48379
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 13; 1488.9; 01-JUN-2011 01:27:27; Bright; 41.0; 80; 7Del Sco ; 2.32; 30000;occ; 82; 0;48379
 14; 1580.3; 01-JUN-2011 01:28:58; Bright; 46.0; 86; 35Eta Oph ; 2.43; 10200;occ; 92; 0;48379
 15; 1691.1; 01-JUN-2011 01:30:49; Bright; 43.0; 98; 13Zet Oph ; 2.57; 30000;occ; 86; 0;48379
 16; 1821.9; 01-JUN-2011 01:33:00; Bright; 39.5; 120; 1Del Oph ; 2.73; 3200;occ; 79; 0;48379
 17; 2001.9; 01-JUN-2011 01:36:00; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;48379
 18; 2304.5; 01-JUN-2011 01:41:02; Bright; 44.0; 127; 27Bet Her ; 2.78; 4700;occ; 88; 0;48379
 19; 2508.3; 01-JUN-2011 01:44:26; Bright; 44.0; 133; 40Zet Her ; 2.81; 6000;occ; 88; 0;48379
 20; 2985.2; 01-JUN-2011 01:52:23; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;48379
 21; 3602.0; 01-JUN-2011 02:02:40; Bright; 48.5; 89; 5Alp Cep ; 2.45; 8000;occ; 97; 0;48379
 22; 3907.9; 01-JUN-2011 02:07:46; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;48379
 23; 4373.1; 01-JUN-2011 02:15:31; Bright; 43.0; 53; 43Bet And ; 2.05; 3300;occ; 86; 0;48379
 24; 4534.2; 01-JUN-2011 02:18:12; Dark ; 55.0; 58; 21Alp And ; 2.07; 11000;occ; 110; 0;48379
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 7; 488.6; 01-JUN-2011 02:51:00; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;48380
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 10; 1139.6; 01-JUN-2011 03:01:51; Dark ; 47.0; 25; 35Lam Sco ; 1.62; 28000;occ; 94; 0;48380
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 14; 1580.5; 01-JUN-2011 03:09:12; Bright; 45.5; 86; 35Eta Oph ; 2.43; 10200;occ; 91; 0;48380
 15; 1691.3; 01-JUN-2011 03:11:03; Bright; 41.5; 98; 13Zet Oph ; 2.57; 30000;occ; 83; 0;48380
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 17; 2002.0; 01-JUN-2011 03:16:14; Bright; 36.5; 102; 24Alp Ser ; 2.60; 4250;occ; 73; 0;48380
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 19; 2508.1; 01-JUN-2011 03:24:40; Bright; 63.0; 133; 40Zet Her ; 2.81; 6000;occ; 126; 0;48380
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11;	541.9;	17-JUN-2011	04:45:43;	Dark	;	41.0;	172;	Gam	Gru	;	3.00;	13100;	occ;	82;	0;	48611
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13;	1207.1;	17-JUN-2011	04:56:49;	Dark	;	47.5;	38;	20Eps	Sgr	;	1.84;	11000;	occ;	95;	0;	48611
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17;	2136.4;	17-JUN-2011	06:52:32;	Bright;	43.0;	59;	55Alp	Oph	;	2.08;	8900;	occ;	86;	0;	48612	
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13; 4249.3; 17-JUN-2011 20:49:37; Bright; 41.0; 73; 57Gam1And ; 2.26; 13100;occ; 82; 0;48620
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2; -2124.8; 26-JUN-2011 06:51:50; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48741
3; -1969.9; 26-JUN-2011 06:54:25; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;48741
4; -1766.6; 26-JUN-2011 06:57:48; Bright; 47.0; 73; 57Gam1And ; 2.26; 13100;occ; 94; 0;48741
5; -1616.3; 26-JUN-2011 07:00:18; Dark ; 46.5; 173; 4Bet Tri ; 3.00; 8900;occ; 93; 0;48741
6; -1376.1; 26-JUN-2011 07:04:18; Dark ; 53.5; 50; 13Alp Ari ; 2.01; 4250;occ; 107; 0;48741
7; -1082.6; 26-JUN-2011 07:09:12; Dark ; 46.0; 94; 92Alp Cet ; 2.53; 3100;occ; 92; 0;48741
8; -577.8; 26-JUN-2011 07:17:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48741
9; 35.5; 26-JUN-2011 07:27:50; Dark ; 60.5; 84; Alp Phe ; 2.40; 4500;occ; 121; 0;48742
10; 424.4; 26-JUN-2011 07:34:19; Dark ; 64.5; 63; Bet Gru ; 2.15; 2800;occ; 129; 0;48742
11; 543.4; 26-JUN-2011 07:36:18; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48742
12; 709.3; 26-JUN-2011 07:39:04; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48742
13; 1249.0; 26-JUN-2011 07:48:04; Dark ; 45.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 90; 0;48742
14; 1332.2; 26-JUN-2011 07:49:27; Dark ; 54.0; 116; 19Del Sgr ; 2.70; 4100;occ; 108; 0;48742
15; 1458.9; 26-JUN-2011 07:51:33; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48742
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2; 2113.4; 26-JUN-2011 08:02:28; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;48742
3; 2665.9; 26-JUN-2011 08:11:41; Bright; 47.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 95; 0;48742
4; 2803.8; 26-JUN-2011 08:13:58; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48742
5; 3791.8; 26-JUN-2011 08:30:26; Bright; 69.0; 74; 11Bet Cas ; 2.27; 6600;occ; 138; 0;48742
6; 3888.5; 26-JUN-2011 08:32:03; Bright; 47.0; 68; 18Alp Cas ; 2.22; 4500;occ; 94; 0;48742
7; 4044.1; 26-JUN-2011 08:34:39; Bright; 38.5; 160; 23Gam Per ; 2.93; 4700;occ; 77; 0;48742
8; 4247.4; 26-JUN-2011 08:38:02; Bright; 45.5; 73; 57Gam1And ; 2.26; 13100;occ; 91; 0;48742
9; 4397.7; 26-JUN-2011 08:40:32; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;48742
10; 4638.3; 26-JUN-2011 08:44:33; Dark ; 52.5; 50; 13Alp Ari ; 2.01; 4250;occ; 105; 0;48742
11; 4931.6; 26-JUN-2011 08:49:26; Dark ; 46.5; 94; 92Alp Cet ; 2.53; 3100;occ; 93; 0;48742
12; 5436.9; 26-JUN-2011 08:57:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48742
13; 6050.3; 26-JUN-2011 09:08:05; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;48743
14; 6439.0; 26-JUN-2011 09:14:34; Dark ; 66.0; 63; Bet Gru ; 2.15; 2800;occ; 132; 0;48743
15; 6558.6; 26-JUN-2011 09:16:33; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;48743
16; 6723.8; 26-JUN-2011 09:19:18; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;48743
17; 7263.4; 26-JUN-2011 09:28:18; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;48743
18; 7346.3; 26-JUN-2011 09:29:41; Dark ; 44.0; 116; 19Del Sgr ; 2.70; 4100;occ; 88; 0;48743
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4; 2803.5; 26-JUN-2011 09:54:12; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48743
5; 3791.5; 26-JUN-2011 10:10:40; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;48743
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8; 4247.3; 26-JUN-2011 10:18:16; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48743
9; 4397.8; 26-JUN-2011 10:20:46; Dark ; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;48743
10; 4638.5; 26-JUN-2011 10:24:47; Dark ; 53.5; 50; 13Alp Ari ; 2.01; 4250;occ; 107; 0;48743
11; 4932.1; 26-JUN-2011 10:29:41; Dark ; 47.0; 94; 92Alp Cet ; 2.53; 3100;occ; 94; 0;48743
12; 5437.7; 26-JUN-2011 10:38:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48743
13; 6051.4; 26-JUN-2011 10:48:20; Dark ; 52.0; 84; Alp Phe ; 2.40; 4500;occ; 104; 0;48744
14; 6439.9; 26-JUN-2011 10:54:48; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;48744
15; 6559.5; 26-JUN-2011 10:56:48; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48744
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17; 7263.4; 26-JUN-2011 11:08:32; Dark ; 45.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 91; 0;48744
18; 7346.7; 26-JUN-2011 11:09:55; Dark ; 57.0; 116; 19Del Sgr ; 2.70; 4100;occ; 114; 0;48744
19; 7473.1; 26-JUN-2011 11:12:02; Bright; 47.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 94; 0;48744

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 3; 2664.5; 26-JUN-2011 11:32:07; Bright; 49.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 99; 0;48744
 4; 2803.2; 26-JUN-2011 11:34:26; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;48744
 5; 3790.5; 26-JUN-2011 11:50:53; Bright; 69.0; 74; 11Bet Cas ; 2.27; 6600;occ; 138; 0;48744
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 11; 4932.5; 26-JUN-2011 12:09:55; Dark ; 46.5; 94; 92Alp Cet ; 2.53; 3100;occ; 93; 0;48744
 12; 5438.4; 26-JUN-2011 12:18:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48744
 13; 6052.3; 26-JUN-2011 12:28:35; Dark ; 56.5; 84; Alp Phe ; 2.40; 4500;occ; 113; 0;48745
 14; 6441.2; 26-JUN-2011 12:35:04; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48745
 15; 6560.4; 26-JUN-2011 12:37:03; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48745
 16; 6725.0; 26-JUN-2011 12:39:47; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;48745
 17; 7263.9; 26-JUN-2011 12:48:46; Dark ; 43.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 86; 0;48745
 18; 7346.7; 26-JUN-2011 12:50:09; Dark ; 48.0; 116; 19Del Sgr ; 2.70; 4100;occ; 96; 0;48745
 19; 7473.2; 26-JUN-2011 12:52:16; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48745

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 3; 2664.2; 26-JUN-2011 13:12:21; Bright; 41.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 82; 0;48745
 4; 2803.2; 26-JUN-2011 13:14:40; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48745
 5; 3790.4; 26-JUN-2011 13:31:07; Bright; 44.0; 74; 11Bet Cas ; 2.27; 6600;occ; 88; 0;48745
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 7; 4044.0; 26-JUN-2011 13:35:20; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;48745
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 10; 4639.2; 26-JUN-2011 13:45:16; Dark ; 52.0; 50; 13Alp Ari ; 2.01; 4250;occ; 104; 0;48745
 11; 4933.0; 26-JUN-2011 13:50:09; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;48745
 12; 5439.2; 26-JUN-2011 13:58:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48745
 13; 6053.4; 26-JUN-2011 14:08:50; Dark ; 58.5; 84; Alp Phe ; 2.40; 4500;occ; 117; 0;48746
 14; 6442.0; 26-JUN-2011 14:15:18; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48746
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 17; 7264.1; 26-JUN-2011 14:29:01; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;48746
 18; 7346.9; 26-JUN-2011 14:30:23; Dark ; 49.0; 116; 19Del Sgr ; 2.70; 4100;occ; 98; 0;48746
 19; 7473.5; 26-JUN-2011 14:32:30; Bright; 47.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 95; 0;48746

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 3; 2663.5; 26-JUN-2011 14:52:34; Bright; 42.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 84; 0;48746
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 5; 3790.2; 26-JUN-2011 15:11:21; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;48746
 6; 3887.2; 26-JUN-2011 15:12:58; Bright; 48.5; 68; 18Alp Cas ; 2.22; 4500;occ; 97; 0;48746
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 10; 4639.5; 26-JUN-2011 15:25:30; Dark ; 54.0; 50; 13Alp Ari ; 2.01; 4250;occ; 108; 0;48746
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 12; 5440.0; 26-JUN-2011 15:38:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48746
 13; 6054.2; 26-JUN-2011 15:49:05; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;48747
 14; 6443.2; 26-JUN-2011 15:55:33; Dark ; 56.0; 63; Bet Gru ; 2.15; 2800;occ; 112; 0;48747
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 3; 1459.6; 26-JUN-2011 16:12:44; Bright; 48.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 96; 0;48747
 4; 1971.7; 26-JUN-2011 16:21:16; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48747
 5; 2112.7; 26-JUN-2011 16:23:37; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;48747
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 8; 3789.4; 26-JUN-2011 16:51:34; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;48747
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 11; 4246.9; 26-JUN-2011 16:59:11; Bright; 54.5; 73; 57Gam1And ; 2.26; 13100;occ; 109; 0;48747
 12; 4398.1; 26-JUN-2011 17:01:42; Dark ; 46.5; 173; 4Bet Tri ; 3.00; 8900;occ; 93; 0;48747
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 17; 6444.2; 26-JUN-2011 17:35:49; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;48748
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 3; 1459.9; 26-JUN-2011 17:52:58; Bright; 47.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 94; 0;48748
 4; 1971.6; 26-JUN-2011 18:01:30; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;48748
 5; 2112.5; 26-JUN-2011 18:03:51; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;48748
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 13; 4639.9; 26-JUN-2011 18:45:58; Dark ; 53.0; 50; 13Alp Ari ; 2.01; 4250;occ; 106; 0;48748
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 18; 6564.1; 26-JUN-2011 19:18:03; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;48749
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 10; 4043.9; 26-JUN-2011 20:16:16; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48749
 11; 4246.7; 26-JUN-2011 20:19:39; Bright; 45.5; 73; 57Gam1And ; 2.26; 13100;occ; 91; 0;48749
 12; 4397.9; 26-JUN-2011 20:22:10; Dark ; 47.0; 173; 4Bet Tri ; 3.00; 8900;occ; 94; 0;48749
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 18; 6565.0; 26-JUN-2011 20:58:17; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48750
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 5; 714.4; 27-JUN-2011 00:21:29; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48752
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 8; 1460.6; 27-JUN-2011 00:33:55; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48752
 9; 1971.2; 27-JUN-2011 00:42:26; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48752
 10; 2112.1; 27-JUN-2011 00:44:46; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;48752
 11; 2659.9; 27-JUN-2011 00:53:54; Bright; 42.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 84; 0;48752
 12; 2801.3; 27-JUN-2011 00:56:16; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;48752
 13; 3355.6; 27-JUN-2011 01:05:30; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48752
 14; 3786.9; 27-JUN-2011 01:12:41; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;48752
 15; 3884.5; 27-JUN-2011 01:14:19; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48752
 16; 4043.6; 27-JUN-2011 01:16:58; Bright; 35.5; 160; 23Gam Per ; 2.93; 4700;occ; 71; 0;48752
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3; 434.7; 27-JUN-2011 01:57:03; Dark ; 63.5; 63; Bet Gru ; 2.15; 2800;occ; 127; 0;48753
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7; 1334.7; 27-JUN-2011 02:12:03; Dark ; 48.0; 116; 19Del Sgr ; 2.70; 4100;occ; 96; 0;48753
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12; 2801.4; 27-JUN-2011 02:36:30; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48753
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3;-1970.4; 27-JUN-2011 02:57:12; Bright; 39.5; 160; 23Gam Per ; 2.93; 4700;occ; 79; 0;48753
4;-1767.4; 27-JUN-2011 03:00:35; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48753
5;-1615.5; 27-JUN-2011 03:03:07; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;48753
6;-1372.6; 27-JUN-2011 03:07:10; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48753
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9; 47.1; 27-JUN-2011 03:30:49; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;48754
10; 435.9; 27-JUN-2011 03:37:18; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;48754
11; 554.9; 27-JUN-2011 03:39:17; Dark ; 55.0; 31; Alp Gru ; 1.73; 15200;occ; 110; 0;48754
12; 715.5; 27-JUN-2011 03:41:58; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;48754
13; 1252.4; 27-JUN-2011 03:50:55; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;48754
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16; 1971.1; 27-JUN-2011 04:02:53; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48754
17; 2111.9; 27-JUN-2011 04:05:14; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;48754
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19; 2801.1; 27-JUN-2011 04:16:43; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;48754
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3;-1970.3; 27-JUN-2011 04:37:26; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;48754
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6;-1372.2; 27-JUN-2011 04:47:24; Dark ; 56.0; 50; 13Alp Ari ; 2.01; 4250;occ; 112; 0;48754
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11; 555.7; 27-JUN-2011 05:19:32; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;48755
12; 716.2; 27-JUN-2011 05:22:13; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48755
13; 1252.6; 27-JUN-2011 05:31:09; Dark ; 45.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 90; 0;48755
14; 1335.2; 27-JUN-2011 05:32:31; Dark ; 57.0; 116; 19Del Sgr ; 2.70; 4100;occ; 114; 0;48755
15; 1461.3; 27-JUN-2011 05:34:38; Bright; 47.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 94; 0;48755
16; 1971.1; 27-JUN-2011 05:43:07; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48755
17; 2111.8; 27-JUN-2011 05:45:28; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48755
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19; 2801.0; 27-JUN-2011 05:56:57; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;48755
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3; 1463.2; 27-JUN-2011 20:36:45; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48764
4; 1970.9; 27-JUN-2011 20:45:13; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48764
5; 2111.1; 27-JUN-2011 20:47:33; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;48764
6; 2653.6; 27-JUN-2011 20:56:36; Bright; 44.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 88; 0;48764
7; 2799.2; 27-JUN-2011 20:59:01; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48764
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13; 4399.3; 27-JUN-2011 21:25:42; Dark ; 46.5; 173; 4Bet Tri ; 3.00; 8900;occ; 93; 0;48764
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4; 564.6; 27-JUN-2011 22:02:01; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48765
5; 721.1; 27-JUN-2011 22:04:37; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48765
6; 1255.4; 27-JUN-2011 22:13:32; Dark ; 41.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 82; 0;48765
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9; 1970.6; 27-JUN-2011 22:25:27; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48765
10; 2111.0; 27-JUN-2011 22:27:47; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48765
11; 2653.0; 27-JUN-2011 22:36:49; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48765
12; 2799.0; 27-JUN-2011 22:39:15; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;48765
13; 3347.2; 27-JUN-2011 22:48:23; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;48765
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5; 721.7; 27-JUN-2011 23:44:52; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48766
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13; 3346.5; 28-JUN-2011 00:28:37; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;48766
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19; 4645.3; 28-JUN-2011 00:50:15; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48766
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13; 1252.9; 27-JUN-2011 07:11:23; Dark ; 46.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 92; 0;48756
14; 1335.5; 27-JUN-2011 07:12:46; Dark ; 46.5; 116; 19Del Sgr ; 2.70; 4100;occ; 93; 0;48756
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 6; 3785.1; 27-JUN-2011 07:53:35; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48756
 7; 3882.8; 27-JUN-2011 07:55:13; Bright; 49.5; 68; 18Alp Cas ; 2.22; 4500;occ; 99; 0;48756
 8; 4043.7; 27-JUN-2011 07:57:54; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;48756
 9; 4246.5; 27-JUN-2011 08:01:17; Bright; 45.0; 73; 57Gam1And ; 2.26; 13100;occ; 90; 0;48756
 10; 4398.7; 27-JUN-2011 08:03:49; Dark ; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;48756
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 17; 6731.3; 27-JUN-2011 08:42:42; Dark ; 44.5; 45; Alp Pav ; 1.94; 26000;occ; 89; 0;48757
 18; 7267.1; 27-JUN-2011 08:51:38; Dark ; 42.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 84; 0;48757
 19; 7349.7; 27-JUN-2011 08:53:00; Dark ; 41.0; 116; 19Del Sgr ; 2.70; 4100;occ; 82; 0;48757
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 3; 2657.4; 27-JUN-2011 09:15:02; Bright; 46.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 92; 0;48757
 4; 2800.9; 27-JUN-2011 09:17:25; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48757
 5; 3352.2; 27-JUN-2011 09:26:37; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48757
 6; 3784.6; 27-JUN-2011 09:33:49; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48757
 7; 3882.5; 27-JUN-2011 09:35:27; Bright; 49.5; 68; 18Alp Cas ; 2.22; 4500;occ; 99; 0;48757
 8; 4043.7; 27-JUN-2011 09:38:08; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;48757
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 10; 4398.8; 27-JUN-2011 09:44:03; Dark ; 47.0; 173; 4Bet Tri ; 3.00; 8900;occ; 94; 0;48757
 11; 4642.7; 27-JUN-2011 09:48:07; Dark ; 56.5; 50; 13Alp Ari ; 2.01; 4250;occ; 113; 0;48757
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 16; 6572.2; 27-JUN-2011 10:20:17; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;48758
 17; 6731.5; 27-JUN-2011 10:22:56; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48758
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 19; 7350.0; 27-JUN-2011 10:33:14; Dark ; 50.0; 116; 19Del Sgr ; 2.70; 4100;occ; 100; 0;48758
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 5; 3351.8; 27-JUN-2011 11:06:50; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48758
 6; 3784.1; 27-JUN-2011 11:14:02; Bright; 51.5; 74; 11Bet Cas ; 2.27; 6600;occ; 103; 0;48758
 7; 3882.1; 27-JUN-2011 11:15:40; Bright; 47.5; 68; 18Alp Cas ; 2.22; 4500;occ; 95; 0;48758
 8; 4043.5; 27-JUN-2011 11:18:22; Bright; 35.5; 160; 23Gam Per ; 2.93; 4700;occ; 71; 0;48758
 9; 4246.4; 27-JUN-2011 11:21:45; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48758
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 11; 4642.8; 27-JUN-2011 11:28:21; Dark ; 55.5; 50; 13Alp Ari ; 2.01; 4250;occ; 111; 0;48758
 12; 4937.7; 27-JUN-2011 11:33:16; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;48758
 13; 5449.4; 27-JUN-2011 11:41:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48758
 14; 6066.0; 27-JUN-2011 11:52:04; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;48759
 15; 6454.7; 27-JUN-2011 11:58:33; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;48759
 16; 6573.4; 27-JUN-2011 12:00:32; Dark ; 55.0; 31; Alp Gru ; 1.73; 15200;occ; 110; 0;48759
 17; 6732.3; 27-JUN-2011 12:03:11; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;48759
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 19; 7350.3; 27-JUN-2011 12:13:29; Dark ; 44.0; 116; 19Del Sgr ; 2.70; 4100;occ; 88; 0;48759
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 3; 2656.4; 27-JUN-2011 12:35:29; Bright; 42.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 84; 0;48759
 4; 2800.3; 27-JUN-2011 12:37:52; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48759
 5; 3351.0; 27-JUN-2011 12:47:03; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48759
 6; 3783.5; 27-JUN-2011 12:54:16; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;48759
 7; 3881.8; 27-JUN-2011 12:55:54; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48759


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11; 4643.2; 27-JUN-2011 13:08:35; Dark ; 58.5; 50; 13Alp Ari ; 2.01; 4250;occ; 117; 0;48759
12; 4938.2; 27-JUN-2011 13:13:30; Dark ; 47.0; 94; 92Alp Cet ; 2.53; 3100;occ; 94; 0;48759
13; 5450.2; 27-JUN-2011 13:22:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48759
14; 6066.9; 27-JUN-2011 13:32:19; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;48760
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17; 6732.7; 27-JUN-2011 13:43:25; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48760
18; 7267.9; 27-JUN-2011 13:52:20; Dark ; 43.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 86; 0;48760
19; 7350.4; 27-JUN-2011 13:53:43; Dark ; 47.0; 116; 19Del Sgr ; 2.70; 4100;occ; 94; 0;48760
20; 7476.4; 27-JUN-2011 13:55:49; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48760
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3; 2655.6; 27-JUN-2011 14:15:42; Bright; 45.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 90; 0;48760
4; 2800.2; 27-JUN-2011 14:18:06; Bright; 36.5; 130; 23Bet Dra ; 2.80; 5800;occ; 73; 0;48760
5; 3350.6; 27-JUN-2011 14:27:17; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;48760
6; 3783.2; 27-JUN-2011 14:34:29; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48760
7; 3881.6; 27-JUN-2011 14:36:08; Bright; 46.0; 68; 18Alp Cas ; 2.22; 4500;occ; 92; 0;48760
8; 4043.7; 27-JUN-2011 14:38:50; Bright; 35.0; 160; 23Gam Per ; 2.93; 4700;occ; 70; 0;48760
9; 4246.5; 27-JUN-2011 14:42:13; Bright; 48.5; 73; 57Gam1And ; 2.26; 13100;occ; 97; 0;48760
10; 4399.0; 27-JUN-2011 14:44:45; Dark ; 49.5; 173; 4Bet Tri ; 3.00; 8900;occ; 99; 0;48760
11; 4643.5; 27-JUN-2011 14:48:50; Dark ; 54.0; 50; 13Alp Ari ; 2.01; 4250;occ; 108; 0;48760
12; 4938.6; 27-JUN-2011 14:53:45; Dark ; 49.5; 94; 92Alp Cet ; 2.53; 3100;occ; 99; 0;48760
13; 5451.0; 27-JUN-2011 15:02:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48760
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15; 6456.8; 27-JUN-2011 15:19:03; Dark ; 54.5; 63; Bet Gru ; 2.15; 2800;occ; 109; 0;48761
16; 6575.4; 27-JUN-2011 15:21:02; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;48761
17; 6733.2; 27-JUN-2011 15:23:39; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48761
18; 7268.4; 27-JUN-2011 15:32:35; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;48761
19; 7350.6; 27-JUN-2011 15:33:57; Dark ; 52.0; 116; 19Del Sgr ; 2.70; 4100;occ; 104; 0;48761
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6; 3349.8; 27-JUN-2011 16:07:30; Bright; 48.0; 89; 5Alp Cep ; 2.45; 8000;occ; 96; 0;48761
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16; 6457.9; 27-JUN-2011 16:59:18; Dark ; 54.5; 63; Bet Gru ; 2.15; 2800;occ; 109; 0;48762
17; 6576.2; 27-JUN-2011 17:01:16; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;48762
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3; 1462.8; 27-JUN-2011 17:16:17; Bright; 47.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 94; 0;48762
4; 1970.9; 27-JUN-2011 17:24:45; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48762
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13; 4399.1; 27-JUN-2011 18:05:13; Dark ; 49.5; 173; 4Bet Tri ; 3.00; 8900;occ; 99; 0;48762
14; 4644.2; 27-JUN-2011 18:09:18; Dark ; 60.0; 50; 13Alp Ari ; 2.01; 4250;occ; 120; 0;48762
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12; 4246.1; 27-JUN-2011 19:42:54; Bright; 45.0; 73; 57Gam1And ; 2.26; 13100;occ; 90; 0;48763
13; 4399.3; 27-JUN-2011 19:45:28; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;48763
14; 4644.4; 27-JUN-2011 19:49:33; Dark ; 54.0; 50; 13Alp Ari ; 2.01; 4250;occ; 108; 0;48763
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16; 5453.4; 27-JUN-2011 20:03:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48763
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19; 6577.8; 27-JUN-2011 20:21:46; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;48764
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17; 6738.8; 28-JUN-2011 09:46:19; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48772
18; 7271.4; 28-JUN-2011 09:55:12; Dark ; 45.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 91; 0;48772
19; 7353.4; 28-JUN-2011 09:56:34; Dark ; 50.0; 116; 19Del Sgr ; 2.70; 4100;occ; 100; 0;48772
20; 7478.7; 28-JUN-2011 09:58:39; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;48772
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 2; 2110.6; 28-JUN-2011 10:09:25; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;48772
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6; 3777.1; 28-JUN-2011 10:37:11; Bright; 69.0; 74; 11Bet Cas ; 2.27; 6600;occ; 138; 0;48772
7; 3876.3; 28-JUN-2011 10:38:50; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48772
8; 4043.2; 28-JUN-2011 10:41:37; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;48772
9; 4245.8; 28-JUN-2011 10:45:00; Bright; 46.5; 73; 57Gam1And ; 2.26; 13100;occ; 93; 0;48772
10; 4399.9; 28-JUN-2011 10:47:34; Dark ; 49.0; 173; 4Bet Tri ; 3.00; 8900;occ; 98; 0;48772
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13; 5460.7; 28-JUN-2011 11:05:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48772
14; 6079.6; 28-JUN-2011 11:15:34; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;48773
15; 6468.2; 28-JUN-2011 11:22:02; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;48773
16; 6586.1; 28-JUN-2011 11:24:00; Dark ; 53.0; 31; Alp Gru ; 1.73; 15200;occ; 106; 0;48773
17; 6739.2; 28-JUN-2011 11:26:33; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48773
18; 7271.4; 28-JUN-2011 11:35:26; Dark ; 45.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 90; 0;48773
19; 7353.7; 28-JUN-2011 11:36:48; Dark ; 50.0; 116; 19Del Sgr ; 2.70; 4100;occ; 100; 0;48773
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2; 2110.6; 28-JUN-2011 11:49:39; Bright; 36.5; 59; 55Alp Oph ; 2.08; 8900;occ; 73; 0;48773
3; 2648.8; 28-JUN-2011 11:58:37; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48773
4; 2797.5; 28-JUN-2011 12:01:06; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48773
5; 3341.5; 28-JUN-2011 12:10:09; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;48773
6; 3776.9; 28-JUN-2011 12:17:25; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;48773
7; 3875.9; 28-JUN-2011 12:19:04; Bright; 48.5; 68; 18Alp Cas ; 2.22; 4500;occ; 97; 0;48773
8; 4043.1; 28-JUN-2011 12:21:51; Bright; 41.5; 160; 23Gam Per ; 2.93; 4700;occ; 83; 0;48773
9; 4245.9; 28-JUN-2011 12:25:14; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48773
10; 4400.0; 28-JUN-2011 12:27:48; Dark ; 49.0; 173; 4Bet Tri ; 3.00; 8900;occ; 98; 0;48773
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12; 4943.5; 28-JUN-2011 12:36:52; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;48773
13; 5461.5; 28-JUN-2011 12:45:30; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48773
14; 6080.6; 28-JUN-2011 12:55:49; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;48774
15; 6469.2; 28-JUN-2011 13:02:17; Dark ; 50.5; 63; Bet Gru ; 2.15; 2800;occ; 101; 0;48774
16; 6587.0; 28-JUN-2011 13:04:15; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48774
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3; 2648.2; 28-JUN-2011 13:38:50; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48774
4; 2797.4; 28-JUN-2011 13:41:19; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48774
5; 3341.0; 28-JUN-2011 13:50:23; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48774
6; 3776.0; 28-JUN-2011 13:57:38; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48774
7; 3875.5; 28-JUN-2011 13:59:17; Bright; 48.5; 68; 18Alp Cas ; 2.22; 4500;occ; 97; 0;48774
8; 4043.2; 28-JUN-2011 14:02:05; Bright; 37.5; 160; 23Gam Per ; 2.93; 4700;occ; 75; 0;48774
9; 4245.7; 28-JUN-2011 14:05:28; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48774
10; 4400.2; 28-JUN-2011 14:08:02; Dark ; 49.5; 173; 4Bet Tri ; 3.00; 8900;occ; 99; 0;48774
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13; 5462.4; 28-JUN-2011 14:25:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48774
14; 6081.8; 28-JUN-2011 14:36:04; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;48775
15; 6470.3; 28-JUN-2011 14:42:32; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;48775
16; 6587.8; 28-JUN-2011 14:44:30; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;48775
17; 6740.3; 28-JUN-2011 14:47:02; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;48775
18; 7272.4; 28-JUN-2011 14:55:54; Dark ; 47.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 95; 0;48775
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3; 1970.3; 28-JUN-2011 15:07:46; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48775
4; 2110.2; 28-JUN-2011 15:10:06; Bright; 40.5; 59; 55Alp Oph ; 2.08; 8900;occ; 81; 0;48775
5; 2647.9; 28-JUN-2011 15:19:04; Bright; 48.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 97; 0;48775
6; 2797.3; 28-JUN-2011 15:21:33; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48775
7; 3340.4; 28-JUN-2011 15:30:36; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48775
8; 3775.8; 28-JUN-2011 15:37:52; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;48775
9; 3875.4; 28-JUN-2011 15:39:31; Bright; 48.5; 68; 18Alp Cas ; 2.22; 4500;occ; 97; 0;48775

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 11; 4245.6; 28-JUN-2011 15:45:42; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48775
 12; 4400.1; 28-JUN-2011 15:48:16; Dark ; 49.0; 173; 4Bet Tri ; 3.00; 8900;occ; 98; 0;48775
 13; 4648.2; 28-JUN-2011 15:52:24; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;48775
 14; 4944.6; 28-JUN-2011 15:57:20; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;48775
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 17; 6471.5; 28-JUN-2011 16:22:47; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;48776
 18; 6589.0; 28-JUN-2011 16:24:45; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;48776
 19; 6740.9; 28-JUN-2011 16:27:17; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;48776

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 3; 1465.4; 28-JUN-2011 16:39:35; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48776
 4; 1970.4; 28-JUN-2011 16:48:00; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48776
 5; 2110.1; 28-JUN-2011 16:50:20; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48776
 6; 2647.3; 28-JUN-2011 16:59:17; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48776
 7; 2797.0; 28-JUN-2011 17:01:47; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;48776
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 9; 3775.3; 28-JUN-2011 17:18:05; Bright; 51.0; 74; 11Bet Cas ; 2.27; 6600;occ; 102; 0;48776
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 11; 4043.1; 28-JUN-2011 17:22:33; Bright; 41.0; 160; 23Gam Per ; 2.93; 4700;occ; 82; 0;48776
 12; 4245.7; 28-JUN-2011 17:25:56; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48776
 13; 4400.0; 28-JUN-2011 17:28:30; Dark ; 50.0; 173; 4Bet Tri ; 3.00; 8900;occ; 100; 0;48776
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 17; 6083.7; 28-JUN-2011 17:56:34; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;48777
 18; 6472.5; 28-JUN-2011 18:03:02; Dark ; 54.0; 63; Bet Gru ; 2.15; 2800;occ; 108; 0;48777
 19; 6589.9; 28-JUN-2011 18:05:00; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;48777
 20; 6741.2; 28-JUN-2011 18:07:31; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48777

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 3; 1465.6; 28-JUN-2011 18:19:50; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48777
 4; 1970.3; 28-JUN-2011 18:28:14; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;48777
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 11; 4042.8; 28-JUN-2011 19:02:47; Bright; 37.0; 160; 23Gam Per ; 2.93; 4700;occ; 74; 0;48777
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 17; 6084.6; 28-JUN-2011 19:36:49; Dark ; 61.5; 84; Alp Phe ; 2.40; 4500;occ; 123; 0;48778
 18; 6473.3; 28-JUN-2011 19:43:17; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;48778
 19; 6590.7; 28-JUN-2011 19:45:15; Dark ; 48.0; 31; Alp Gru ; 1.73; 15200;occ; 96; 0;48778
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 3; 462.1; 29-JUN-2011 00:44:02; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;48781
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 5; 728.9; 29-JUN-2011 00:48:29; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;48781
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 7; 1341.6; 29-JUN-2011 00:58:41; Dark ; 49.5; 116; 19Del Sgr ; 2.70; 4100;occ; 99; 0;48781
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 9; 1970.1; 29-JUN-2011 01:09:10; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48781
 10; 2109.6; 29-JUN-2011 01:11:30; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;48781
 11; 2226.9; 29-JUN-2011 01:13:27; Bright; 33.0; 168; 17Zet Aql ; 2.99; 11000;occ; 66; 0;48781
 12; 2644.5; 29-JUN-2011 01:20:24; Bright; 62.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 124; 0;48781
 13; 2795.9; 29-JUN-2011 01:22:56; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;48781
 14; 3336.0; 29-JUN-2011 01:31:56; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;48781
 15; 3772.7; 29-JUN-2011 01:39:13; Bright; 70.0; 74; 11Bet Cas ; 2.27; 6600;occ; 140; 0;48781


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17; 4042.7; 29-JUN-2011 01:43:43; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48781
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21; 4946.8; 29-JUN-2011 01:58:47; Dark ; 46.5; 94; 92Alp Cet ; 2.53; 3100;occ; 93; 0;48781
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 3; 463.1; 29-JUN-2011 02:24:17; Dark ; 54.5; 63; Bet Gru ; 2.15; 2800;occ; 109; 0;48782
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 5; 729.6; 29-JUN-2011 02:28:43; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48782
 6; 1300.2; 29-JUN-2011 02:38:14; Dark ; 48.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 96; 0;48782
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13; 1300.5; 29-JUN-2011 04:18:28; Dark ; 45.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 90; 0;48783
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13; 4244.4; 29-JUN-2011 21:49:52; Bright; 49.5; 73; 57Gam1And ; 2.26; 13100;occ; 99; 0;48793
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19; 4653.9; 29-JUN-2011 23:36:56; Dark ; 57.0; 50; 13Alp Ari ; 2.01; 4250;occ; 114; 0;48794
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10; 466.1; 29-JUN-2011 07:25:02; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;48785
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13; 1301.2; 29-JUN-2011 07:38:57; Dark ; 46.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 92; 0;48785
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4; 2642.8; 29-JUN-2011 08:01:19; Bright; 45.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 90; 0;48785
5; 2795.4; 29-JUN-2011 08:03:51; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;48785
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9; 4042.5; 29-JUN-2011 13:25:20; Bright; 35.5; 160; 23Gam Per ; 2.93; 4700;occ; 71; 0;48788
10; 4244.9; 29-JUN-2011 13:28:43; Bright; 56.5; 73; 57Gam1And ; 2.26; 13100;occ; 113; 0;48788
11; 4401.0; 29-JUN-2011 13:31:19; Dark ; 50.5; 173; 4Bet Tri ; 3.00; 8900;occ; 101; 0;48788
12; 4652.2; 29-JUN-2011 13:35:30; Dark ; 55.0; 50; 13Alp Ari ; 2.01; 4250;occ; 110; 0;48788
13; 4949.7; 29-JUN-2011 13:40:27; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;48788
14; 5474.1; 29-JUN-2011 13:49:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48788
15; 6095.9; 29-JUN-2011 13:59:34; Dark ; 59.0; 84; Alp Phe ; 2.40; 4500;occ; 118; 0;48789
16; 6484.1; 29-JUN-2011 14:06:02; Dark ; 50.5; 63; Bet Gru ; 2.15; 2800;occ; 101; 0;48789
17; 6600.8; 29-JUN-2011 14:07:59; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;48789
18; 6747.3; 29-JUN-2011 14:10:25; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48789
19; 7316.3; 29-JUN-2011 14:19:54; Dark ; 46.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 92; 0;48789
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3; 2222.7; 29-JUN-2011 14:35:14; Bright; 50.5; 168; 17Zet Aql ; 2.99; 11000;occ; 101; 0;48789
4; 2640.8; 29-JUN-2011 14:42:13; Bright; 44.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 89; 0;48789
5; 2795.0; 29-JUN-2011 14:44:47; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;48789
6; 2913.3; 29-JUN-2011 14:46:45; Bright; 33.0; 144; 18Del Cyg ; 2.86; 11000;occ; 66; 0;48789


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

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 13; 2907.7; 30-JUN-2011 00:48:03; Bright; 47.0; 144; 18Del Cyg ; 2.86; 11000;occ; 94; 0;48795
 14; 3326.7; 30-JUN-2011 00:55:02; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;48795
 15; 3765.4; 30-JUN-2011 01:02:21; Bright; 59.0; 74; 11Bet Cas ; 2.27; 6600;occ; 118; 0;48795
 16; 3866.8; 30-JUN-2011 01:04:02; Bright; 47.5; 68; 18Alp Cas ; 2.22; 4500;occ; 95; 0;48795
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 3; 1969.8; 29-JUN-2011 19:31:44; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48792
 4; 2109.4; 29-JUN-2011 19:34:03; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48792
 5; 2221.0; 29-JUN-2011 19:35:55; Bright; 48.0; 168; 17Zet Aql ; 2.99; 11000;occ; 96; 0;48792
 6; 2639.2; 29-JUN-2011 19:42:53; Bright; 43.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 86; 0;48792
 7; 2794.3; 29-JUN-2011 19:45:28; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;48792
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 9; 3328.8; 29-JUN-2011 19:54:23; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;48792
 10; 3767.1; 29-JUN-2011 20:01:41; Bright; 70.0; 74; 11Bet Cas ; 2.27; 6600;occ; 140; 0;48792
 11; 3868.1; 29-JUN-2011 20:03:22; Bright; 47.5; 68; 18Alp Cas ; 2.22; 4500;occ; 95; 0;48792
 12; 4042.3; 29-JUN-2011 20:06:16; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;48792
 13; 4244.6; 29-JUN-2011 20:09:38; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48792
 14; 4401.3; 29-JUN-2011 20:12:15; Dark ; 50.0; 173; 4Bet Tri ; 3.00; 8900;occ; 100; 0;48792
 15; 4653.4; 29-JUN-2011 20:16:27; Dark ; 57.0; 50; 13Alp Ari ; 2.01; 4250;occ; 114; 0;48792
 16; 4951.2; 29-JUN-2011 20:21:25; Dark ; 41.5; 94; 92Alp Cet ; 2.53; 3100;occ; 83; 0;48792
 17; 5477.6; 29-JUN-2011 20:30:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48792
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 16; 3866.3; 30-JUN-2011 02:44:16; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;48796
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 28; 7483.8; 30-JUN-2011 03:44:33; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;48797
 29; 7983.9; 30-JUN-2011 03:52:53; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48797
 30; 8123.2; 30-JUN-2011 03:55:13; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48797
 31; 8232.3; 30-JUN-2011 03:57:02; Bright; 48.5; 168; 17Zet Aql ; 2.99; 11000;occ; 97; 0;48797
 32; 8651.0; 30-JUN-2011 04:04:01; Bright; 43.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 87; 0;48797
 33; 8807.6; 30-JUN-2011 04:06:37; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;48797

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 5; 2633.5; 30-JUN-2011 15:45:35; Bright; 43.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 86; 0;48804
 6; 2792.6; 30-JUN-2011 15:48:14; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;48804
 7; 2900.4; 30-JUN-2011 15:50:02; Bright; 46.5; 144; 18Del Cyg ; 2.86; 11000;occ; 93; 0;48804
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12; 4145.3; 30-JUN-2011 16:10:47; Bright; 33.5; 175; 39Del Per ; 3.01; 19400;occ; 67; 0;48804
13; 4243.8; 30-JUN-2011 16:12:25; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48804
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16; 4956.3; 30-JUN-2011 16:24:18; Dark ; 49.5; 94; 92Alp Cet ; 2.53; 3100;occ; 99; 0;48804
17; 5488.2; 30-JUN-2011 16:33:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48804
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21; 6755.2; 30-JUN-2011 16:54:17; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;48805
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 9; 3760.4; 30-JUN-2011 17:44:36; Bright; 68.0; 74; 11Bet Cas ; 2.27; 6600;occ; 136; 0;48805
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