

GOMOS Daily Report 18-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	20JUN2011 07:01:51
Data source version	GOMOS/6.01
Start time of products	18JUN2011 00:03:18
Stop time of products	18JUN2011 23:55:49
Store outputs in DB	Yes
Nb of level 1b prods	272
Nb of prods with errors	0

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

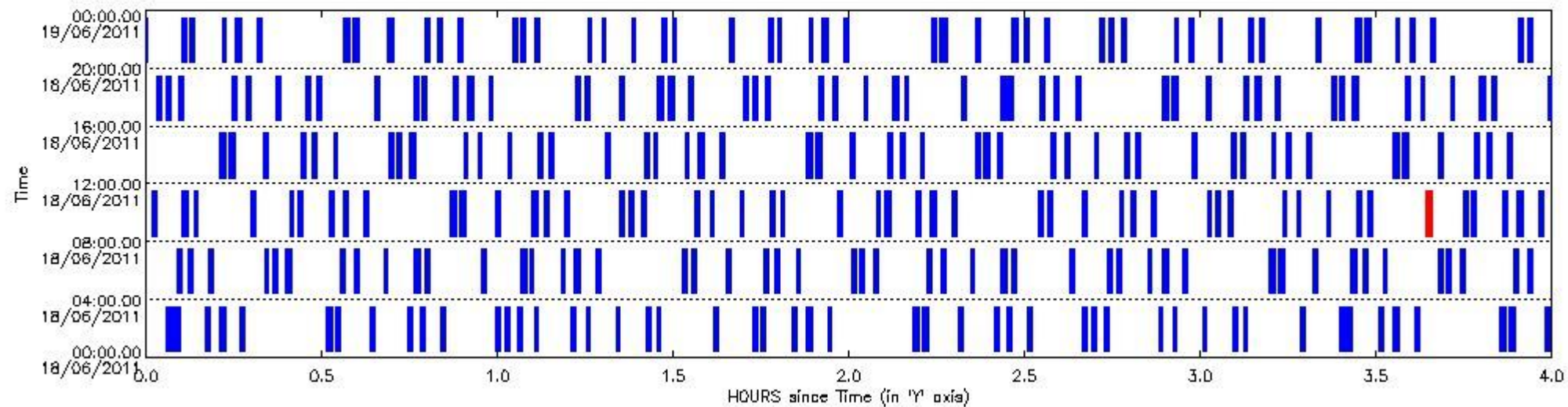
2.1 Level 0 products arrived in PCF (see template [here](#))

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
18-JUN-2011 11:38:21	5AlpCep	89	48629

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_1PNPDE20110618_000318_000000653103_00332_48622_6413.N1	18-JUN-2011 00:03:18	Bright	65.000	74	11Bet Cas	2.2680	6600.0	130	48622	No
2	GOM_TRA_1PNPDE20110618_000445_000000563103_00332_48622_6414.N1	18-JUN-2011 00:04:45	Bright	56.000	68	18Alp Cas	2.2250	4500.0	112	48622	No
3	GOM_TRA_1PNPDE20110618_001005_000000423103_00332_48622_6415.N1	18-JUN-2011 00:10:05	Bright	42.000	73	57Gam1And	2.2600	13100.	84	48622	No
4	GOM_TRA_1PNPDE20110618_001226_000000613103_00332_48622_6416.N1	18-JUN-2011 00:12:26	Twilight	60.500	53	43Bet And	2.0480	3300.0	121	48622	No
5	GOM_TRA_1PNPDE20110618_001603_000000483103_00332_48622_6417.N1	18-JUN-2011 00:16:03	Twilight	47.500	50	13Alp Ari	2.0070	4250.0	95	48622	No
6	GOM_TRA_1PNPDE20110618_003217_000000573103_00332_48622_6421.N1	18-JUN-2011 00:32:17	Dark	57.000	52	16Bet Cet	2.0370	4500.0	114	48622	No
7	GOM_TRA_1PNPDE20110618_003818_000000503103_00332_48622_6422.N1	18-JUN-2011 00:38:18	Dark	49.500	84	Alp Phe	2.3970	4500.0	99	48622	No
8	GOM_TRA_1PNPDE20110618_004436_000000523103_00333_48623_6423.N1	18-JUN-2011 00:44:36	Dark	51.500	63	Bet Gru	2.1500	2800.0	103	48623	No
9	GOM_TRA_1PNPDE20110618_004639_000000493103_00333_48623_6424.N1	18-JUN-2011 00:46:39	Straylight	49.000	31	Alp Gru	1.7340	15200.	98	48623	No
10	GOM_TRA_1PNPDE20110618_005013_000000433103_00333_48623_6425.N1	18-JUN-2011 00:50:13	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	48623	No

11	GOM_TRA_1PNPDE20110618_005941_000000453103_00333_48623_6426.N1	18-JUN-2011 00:59:41	Twilight	44.500	38	20Eps Sgr	1.8360	11000.	89	48623	No
12	GOM_TRA_1PNPDE20110618_010108_000000483103_00333_48623_6427.N1	18-JUN-2011 01:01:08	Twilight	47.500	116	19Del Sgr	2.7000	4100.0	95	48623	No
13	GOM_TRA_1PNPDE20110618_010321_000000553103_00333_48623_6428.N1	18-JUN-2011 01:03:21	Bright	55.000	155	41Pi Sgr	2.9000	6600.0	110	48623	No
14	GOM_TRA_1PNPDE20110618_010622_000000353103_00333_48623_6429.N1	18-JUN-2011 01:06:22	Bright	34.500	86	35Eta Oph	2.4300	10200.	69	48623	No
15	GOM_TRA_1PNPDE20110618_011235_000000443103_00333_48623_6430.N1	18-JUN-2011 01:12:35	Bright	43.500	126	60Bet Oph	2.7700	4250.0	87	48623	No
16	GOM_TRA_1PNPDE20110618_011503_000000413103_00333_48623_6431.N1	18-JUN-2011 01:15:03	Bright	40.500	59	55Alp Oph	2.0800	8900.0	81	48623	No
17	GOM_TRA_1PNPDE20110618_012008_000000393103_00333_48623_6432.N1	18-JUN-2011 01:20:08	Bright	38.500	133	40Zet Her	2.8070	6000.0	77	48623	No
18	GOM_TRA_1PNPDE20110618_012517_000000473103_00333_48623_6433.N1	18-JUN-2011 01:25:17	Bright	47.000	5	3Alp Lyr	0.033000	11000.	94	48623	No
19	GOM_TRA_1PNPDE20110618_012711_000000423103_00333_48623_6434.N1	18-JUN-2011 01:27:11	Bright	41.500	69	33Gam Dra	2.2310	3800.0	83	48623	No
20	GOM_TRA_1PNPDE20110618_013654_000000473103_00333_48623_6435.N1	18-JUN-2011 01:36:54	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	48623	No
21	GOM_TRA_1PNPDE20110618_014332_000000463103_00333_48623_6436.N1	18-JUN-2011 01:43:32	Bright	46.000	74	11Bet Cas	2.2680	6600.0	92	48623	No
22	GOM_TRA_1PNPDE20110618_014458_000000443103_00333_48623_6437.N1	18-JUN-2011 01:44:58	Bright	44.000	68	18Alp Cas	2.2250	4500.0	88	48623	No
23	GOM_TRA_1PNPDE20110618_015019_000000473103_00333_48623_6438.N1	18-JUN-2011 01:50:19	Bright	47.000	73	57Gam1And	2.2600	13100.	94	48623	No
24	GOM_TRA_1PNPDE20110618_015240_000000613103_00333_48623_6439.N1	18-JUN-2011 01:52:40	Twilight	61.000	53	43Bet And	2.0480	3300.0	122	48623	No
25	GOM_TRA_1PNPDE20110618_015617_000000483103_00333_48623_6440.N1	18-JUN-2011 01:56:17	Twilight	48.000	50	13Alp Ari	2.0070	4250.0	96	48623	No
26	GOM_TRA_1PNPDE20110618_021232_000000553103_00333_48623_6441.N1	18-JUN-2011 02:12:32	Dark	55.000	52	16Bet Cet	2.0370	4500.0	110	48623	No
27	GOM_TRA_1PNPDE20110618_021833_000000473103_00333_48623_6442.N1	18-JUN-2011 02:18:33	Dark	47.000	84	Alp Phe	2.3970	4500.0	94	48623	No
28	GOM_TRA_1PNPDE20110618_022452_000000513103_00334_48624_6443.N1	18-JUN-2011 02:24:52	Dark	51.000	63	Bet Gru	2.1500	2800.0	102	48624	No
29	GOM_TRA_1PNPDE20110618_022654_000000473103_00334_48624_6444.N1	18-JUN-2011 02:26:54	Straylight	47.000	31	Alp Gru	1.7340	15200.	94	48624	No
30	GOM_TRA_1PNPDE20110618_023028_000000413103_00334_48624_6445.N1	18-JUN-2011 02:30:28	Straylight	41.000	45	Alp Pav	1.9400	26000.	82	48624	No
31	GOM_TRA_1PNPDE20110618_023955_000000483103_00334_48624_6446.N1	18-JUN-2011 02:39:55	Twilight	48.000	38	20Eps Sgr	1.8360	11000.	96	48624	No
32	GOM_TRA_1PNPDE20110618_024123_000000513103_00334_48624_6447.N1	18-JUN-2011 02:41:23	Twilight	51.000	116	19Del Sgr	2.7000	4100.0	102	48624	No
33	GOM_TRA_1PNPDE20110618_024335_000000543103_00334_48624_6448.N1	18-JUN-2011 02:43:35	Bright	54.000	155	41Pi Sgr	2.9000	6600.0	108	48624	No
34	GOM_TRA_1PNPDE20110618_025249_000000433103_00334_48624_6449.N1	18-JUN-2011 02:52:49	Bright	42.500	126	60Bet Oph	2.7700	4250.0	85	48624	No
35	GOM_TRA_1PNPDE20110618_025517_000000433103_00334_48624_6450.N1	18-JUN-2011 02:55:17	Bright	43.000	59	55Alp Oph	2.0800	8900.0	86	48624	No
36	GOM_TRA_1PNPDE20110618_030022_000000393103_00334_48624_6451.N1	18-JUN-2011 03:00:22	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	48624	No
37	GOM_TRA_1PNPDE20110618_030531_000000473103_00334_48624_6452.N1	18-JUN-2011 03:05:31	Bright	46.500	5	3Alp Lyr	0.033000	11000.	93	48624	No
38	GOM_TRA_1PNPDE20110618_030724_000000413103_00334_48624_6453.N1	18-JUN-2011 03:07:24	Bright	40.500	69	33Gam Dra	2.2310	3800.0	81	48624	No
39	GOM_TRA_1PNPDE20110618_031707_000000463103_00334_48624_6454.N1	18-JUN-2011 03:17:07	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	48624	No
40	GOM_TRA_1PNPDE20110618_032345_000000593103_00334_48624_6467.N1	18-JUN-2011 03:23:45	Bright	58.500	74	11Bet Cas	2.2680	6600.0	117	48624	No
41	GOM_TRA_1PNPDE20110618_032512_000000453103_00334_48624_6468.N1	18-JUN-2011 03:25:12	Bright	45.000	68	18Alp Cas	2.2250	4500.0	90	48624	No
42	GOM_TRA_1PNPDE20110618_033033_000000403103_00334_48624_6469.N1	18-JUN-2011 03:30:33	Bright	40.000	73	57Gam1And	2.2600	13100.	80	48624	No
43	GOM_TRA_1PNPDE20110618_033254_000000693103_00334_48624_6470.N1	18-JUN-2011 03:32:54	Twilight	68.500	53	43Bet And	2.0480	3300.0	137	48624	No
44	GOM_TRA_1PNPDE20110618_033631_000000523103_00334_48624_6471.N1	18-JUN-2011 03:36:31	Twilight	52.000	50	13Alp Ari	2.0070	4250.0	104	48624	No
45	GOM_TRA_1PNPDE20110618_035247_000000583103_00334_48624_6472.N1	18-JUN-2011 03:52:47	Dark	58.000	52	16Bet Cet	2.0370	4500.0	116	48624	No
46	GOM_TRA_1PNPDE20110618_035848_000000443103_00334_48624_6473.N1	18-JUN-2011 03:58:48	Dark	44.000	84	Alp Phe	2.3970	4500.0	88	48624	No
47	GOM_TRA_1PNPDE20110618_040507_000000523103_00335_48625_6474.N1	18-JUN-2011 04:05:07	Dark	51.500	63	Bet Gru	2.1500	2800.0	103	48625	No
48	GOM_TRA_1PNPDE20110618_040710_000000513103_00335_48625_6475.N1	18-JUN-2011 04:07:10	Straylight	51.000	31	Alp Gru	1.7340	15200.	102	48625	No
49	GOM_TRA_1PNPDE20110618_041042_000000423103_00335_48625_6476.N1	18-JUN-2011 04:10:42	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	48625	No
50	GOM_TRA_1PNPDE20110618_042009_000000463103_00335_48625_6477.N1	18-JUN-2011 04:20:09	Twilight	45.500	38	20Eps Sgr	1.8360	11000.	91	48625	No
51	GOM_TRA_1PNPDE20110618_042137_000000483103_00335_48625_6478.N1	18-JUN-2011 04:21:37	Twilight	47.500	116	19Del Sgr	2.7000	4100.0	95	48625	No
52	GOM_TRA_1PNPDE20110618_042349_000000553103_00335_48625_6479.N1	18-JUN-2011 04:23:49	Bright	54.500	155	41Pi Sgr	2.9000	6600.0	109	48625	No
53	GOM_TRA_1PNPDE20110618_043303_000000453103_00335_48625_6480.N1	18-JUN-2011 04:33:03	Bright	45.000	126	60Bet Oph	2.7700	4250.0	90	48625	No
54	GOM_TRA_1PNPDE20110618_043531_000000413103_00335_48625_6481.N1	18-JUN-2011 04:35:31	Bright	41.000	59	55Alp Oph	2.0800	8900.0	82	48625	No
55	GOM_TRA_1PNPDE20110618_044036_000000373103_00335_48625_6482.N1	18-JUN-2011 04:40:36	Bright	37.000	133	40Zet Her	2.8070	6000.0	74	48625	No
56	GOM_TRA_1PNPDE20110618_044544_000000553103_00335_48625_6483.N1	18-JUN-2011 04:45:44	Bright	55.000	5	3Alp Lyr	0.033000	11000.	110	48625	No
57	GOM_TRA_1PNPDE20110618_044738_000000433103_00335_48625_6484.N1	18-JUN-2011 04:47:38	Bright	43.000	69	33Gam Dra	2.2310	3800.0	86	48625	No
58	GOM_TRA_1PNPDE20110618_045721_000000483103_00335_48625_6485.N1	18-JUN-2011 04:57:21	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	48625	No
59	GOM_TRA_1PNPDE20110618_050359_000000553103_00335_48625_6494.N1	18-JUN-2011 05:03:59	Bright	54.500	74	11Bet Cas	2.2680	6600.0	109	48625	No
60	GOM_TRA_1PNPDE20110618_050526_000000453103_00335_48625_6495.N1	18-JUN-2011 05:05:26	Bright	44.500	68	18Alp Cas	2.2250	4500.0	89	48625	No
61	GOM_TRA_1PNPDE20110618_051047_000000423103_00335_48625_6496.N1	18-JUN-2011 05:10:47	Bright	41.500	73	57Gam1And	2.2600	13100.	83	48625	No
62	GOM_TRA_1PNPDE20110618_051308_000000543103_00335_48625_6497.N1	18-JUN-2011 05:13:08	Twilight	54.000	53	43Bet And	2.0480	3300.0	108	48625	No
63	GOM_TRA_1PNPDE20110618_051646_000000483103_00335_48625_6498.N1	18-JUN-2011 05:16:46	Twilight	48.000	50	13Alp Ari	2.0070	4250.0	96	48625	No
64	GOM_TRA_1PNPDE20110618_053303_000000593103_00335_48625_6499.N1	18-JUN-2011 05:33:03	Dark	59.000	52	16Bet Cet	2.0370	4500.0	118	48625	No
65	GOM_TRA_1PNPDE20110618_053903_000000543103_00335_48625_6500.N1	18-JUN-2011 05:39:03	Dark	54.000	84	Alp Phe	2.3970	4500.0	108	48625	No
66	GOM_TRA_1PNPDE20110618_054522_000000553103_00336_48626_6501.N1	18-JUN-2011 05:45:22	Dark	54.500	63	Bet Gru	2.1500	2800.0	109	48626	No
67	GOM_TRA_1PNPDE20110618_054724_000000493103_00336_48626_6502.N1	18-JUN-2011 05:47:24	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	48626	No
68	GOM_TRA_1PNPDE20110618_055057_000000413103_00336_48626_6503.N1	18-JUN-2011 05:50:57	Straylight	41.000	45	Alp Pav	1.9400	26000.	82	48626	No
69	GOM_TRA_1PNPDE20110618_060024_000000483103_00336_48626_6504.N1	18-JUN-2011 06:00:24	Twilight	47.500	38	20Eps Sgr	1.8360	11000.	95	48626	No

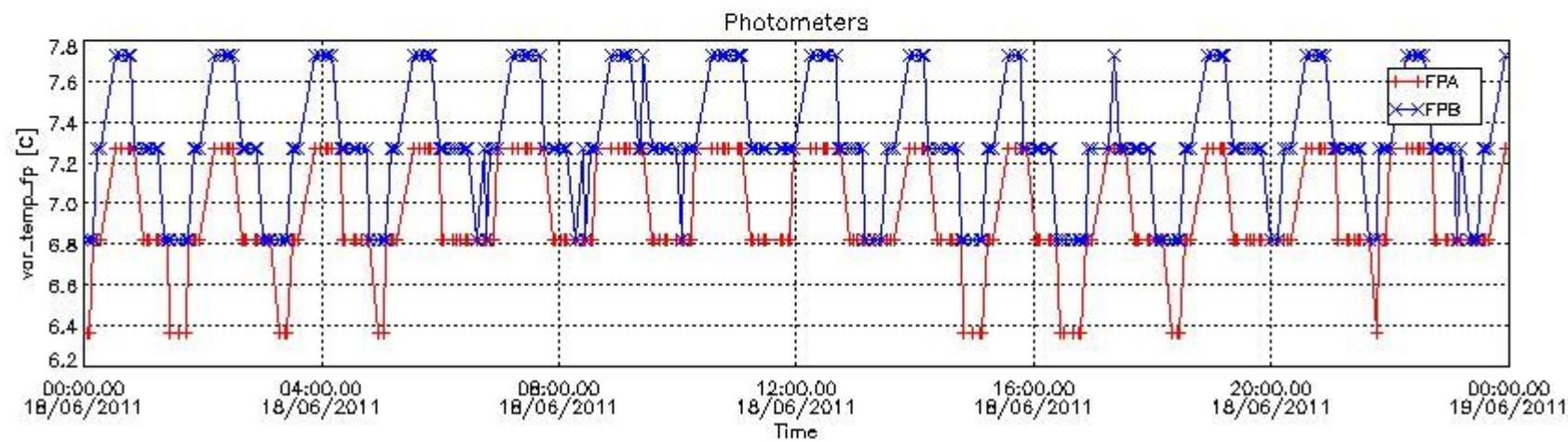
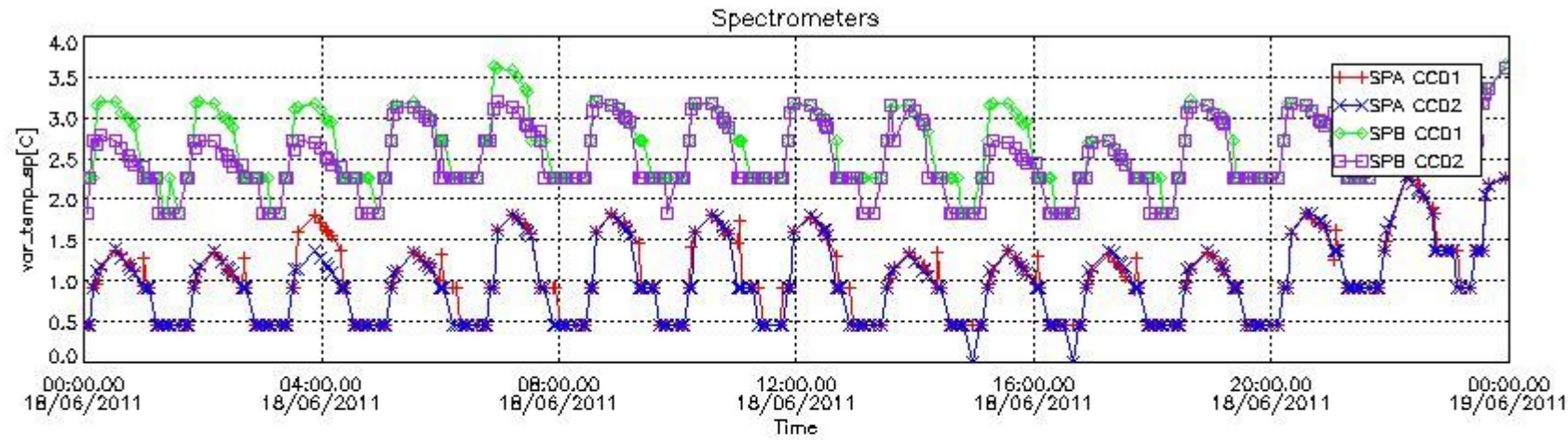
70	GOM_TRA_1PNPDE20110618_060151_000000483103_00336_48626_6505.N1	18-JUN-2011 06:01:51	Twilight	47.500	116	19Del Sgr	2.7000	4100.0	95	48626	No
71	GOM_TRA_1PNPDE20110618_060403_000000553103_00336_48626_6506.N1	18-JUN-2011 06:04:03	Bright	54.500	155	41Pi Sgr	2.9000	6600.0	109	48626	No
72	GOM_TRA_1PNPDE20110618_061317_000000433103_00336_48626_6507.N1	18-JUN-2011 06:13:17	Bright	42.500	126	60Bet Oph	2.7700	4250.0	85	48626	No
73	GOM_TRA_1PNPDE20110618_061544_000000423103_00336_48626_6508.N1	18-JUN-2011 06:15:44	Bright	42.000	59	55Alp Oph	2.0800	8900.0	84	48626	No
74	GOM_TRA_1PNPDE20110618_062050_000000373103_00336_48626_6509.N1	18-JUN-2011 06:20:50	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	48626	No
75	GOM_TRA_1PNPDE20110618_062557_000000533103_00336_48626_6510.N1	18-JUN-2011 06:25:57	Bright	52.500	5	3Alp Lyr	0.033000	11000.	105	48626	No
76	GOM_TRA_1PNPDE20110618_062751_000000423103_00336_48626_6511.N1	18-JUN-2011 06:27:51	Bright	42.000	69	33Gam Dra	2.2310	3800.0	84	48626	No
77	GOM_TRA_1PNPDE20110618_063734_000000483103_00336_48626_6512.N1	18-JUN-2011 06:37:34	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	48626	No
78	GOM_TRA_1PNPDK20110618_064413_000000453103_00336_48626_6133.N1	18-JUN-2011 06:44:13	Bright	44.500	74	11Bet Cas	2.2680	6600.0	89	48626	No
79	GOM_TRA_1PNPDK20110618_064540_000000453103_00336_48626_6134.N1	18-JUN-2011 06:45:40	Bright	45.000	68	18Alp Cas	2.2250	4500.0	90	48626	No
80	GOM_TRA_1PNPDK20110618_065101_000000433103_00336_48626_6135.N1	18-JUN-2011 06:51:01	Bright	42.500	73	57Gam1And	2.2600	13100.	85	48626	No
81	GOM_TRA_1PNPDK20110618_065322_000000643103_00336_48626_6136.N1	18-JUN-2011 06:53:22	Twilight	63.500	53	43Bet And	2.0480	3300.0	127	48626	No
82	GOM_TRA_1PNPDK20110618_065700_000000503103_00336_48626_6137.N1	18-JUN-2011 06:57:00	Twilight	49.500	50	13Alp Ari	2.0070	4250.0	99	48626	No
83	GOM_TRA_1PNPDK20110618_071318_000000583103_00336_48626_6138.N1	18-JUN-2011 07:13:18	Dark	58.000	52	16Bet Cet	2.0370	4500.0	116	48626	No
84	GOM_TRA_1PNPDK20110618_071918_000000453103_00336_48626_6139.N1	18-JUN-2011 07:19:18	Dark	44.500	84	Alp Phe	2.3970	4500.0	89	48626	No
85	GOM_TRA_1PNPDK20110618_072536_000000673103_00337_48627_6140.N1	18-JUN-2011 07:25:36	Dark	67.000	63	Bet Gru	2.1500	2800.0	134	48627	No
86	GOM_TRA_1PNPDK20110618_072740_000000503103_00337_48627_6141.N1	18-JUN-2011 07:27:40	Straylight	49.500	31	Alp Gru	1.7340	15200.	99	48627	No
87	GOM_TRA_1PNPDK20110618_073112_000000433103_00337_48627_6142.N1	18-JUN-2011 07:31:12	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	48627	No
88	GOM_TRA_1PNPDK20110618_074038_000000473103_00337_48627_6143.N1	18-JUN-2011 07:40:38	Twilight	46.500	38	20Eps Sgr	1.8360	11000.	93	48627	No
89	GOM_TRA_1PNPDK20110618_074206_000000473103_00337_48627_6144.N1	18-JUN-2011 07:42:06	Twilight	47.000	116	19Del Sgr	2.7000	4100.0	94	48627	No
90	GOM_TRA_1PNPDK20110618_074418_000000533103_00337_48627_6145.N1	18-JUN-2011 07:44:18	Bright	53.000	155	41Pi Sgr	2.9000	6600.0	106	48627	No
91	GOM_TRA_1PNPDK20110618_075331_000000433103_00337_48627_6167.N1	18-JUN-2011 07:53:31	Bright	42.500	126	60Bet Oph	2.7700	4250.0	85	48627	No
92	GOM_TRA_1PNPDK20110618_075558_000000443103_00337_48627_6168.N1	18-JUN-2011 07:55:58	Bright	44.000	59	55Alp Oph	2.0800	8900.0	88	48627	No
93	GOM_TRA_1PNPDK20110618_080104_000000383103_00337_48627_6169.N1	18-JUN-2011 08:01:04	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	48627	No
94	GOM_TRA_1PNPDK20110618_080610_000000533103_00337_48627_6170.N1	18-JUN-2011 08:06:10	Bright	52.500	5	3Alp Lyr	0.033000	11000.	105	48627	No
95	GOM_TRA_1PNPDK20110618_080805_000000443103_00337_48627_6171.N1	18-JUN-2011 08:08:05	Bright	43.500	69	33Gam Dra	2.2310	3800.0	87	48627	No
96	GOM_TRA_1PNPDK20110618_081747_000000473103_00337_48627_6172.N1	18-JUN-2011 08:17:47	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48627	No
97	GOM_TRA_1PNPDK20110618_082426_000000463103_00337_48627_6173.N1	18-JUN-2011 08:24:26	Bright	46.000	74	11Bet Cas	2.2680	6600.0	92	48627	No
98	GOM_TRA_1PNPDK20110618_082553_000000453103_00337_48627_6174.N1	18-JUN-2011 08:25:53	Bright	45.000	68	18Alp Cas	2.2250	4500.0	90	48627	No
99	GOM_TRA_1PNPDK20110618_083115_000000423103_00337_48627_6175.N1	18-JUN-2011 08:31:15	Bright	42.000	73	57Gam1And	2.2600	13100.	84	48627	No
100	GOM_TRA_1PNPDK20110618_083337_000000573103_00337_48627_6176.N1	18-JUN-2011 08:33:37	Twilight	56.500	53	43Bet And	2.0480	3300.0	113	48627	No
101	GOM_TRA_1PNPDK20110618_083714_000000483103_00337_48627_6177.N1	18-JUN-2011 08:37:14	Twilight	48.000	50	13Alp Ari	2.0070	4250.0	96	48627	No
102	GOM_TRA_1PNPDK20110618_085333_000000583103_00337_48627_6178.N1	18-JUN-2011 08:53:33	Dark	58.000	52	16Bet Cet	2.0370	4500.0	116	48627	No
103	GOM_TRA_1PNPDK20110618_085932_000000483103_00337_48627_6179.N1	18-JUN-2011 08:59:32	Dark	48.000	84	Alp Phe	2.3970	4500.0	96	48627	No
104	GOM_TRA_1PNPDK20110618_090552_000000553103_00338_48628_6180.N1	18-JUN-2011 09:05:52	Dark	54.500	63	Bet Gru	2.1500	2800.0	109	48628	No
105	GOM_TRA_1PNPDK20110618_090754_000000483103_00338_48628_6181.N1	18-JUN-2011 09:07:54	Straylight	47.500	31	Alp Gru	1.7340	15200.	95	48628	No
106	GOM_TRA_1PNPDK20110618_091127_000000423103_00338_48628_6182.N1	18-JUN-2011 09:11:27	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	48628	No
107	GOM_TRA_1PNPDK20110618_092053_000000463103_00338_48628_6183.N1	18-JUN-2011 09:20:53	Twilight	45.500	38	20Eps Sgr	1.8360	11000.	91	48628	No
108	GOM_TRA_1PNPDK20110618_092220_000000513103_00338_48628_6184.N1	18-JUN-2011 09:22:20	Twilight	50.500	116	19Del Sgr	2.7000	4100.0	101	48628	No
109	GOM_TRA_1PNPDK20110618_092432_000000543103_00338_48628_6185.N1	18-JUN-2011 09:24:32	Bright	54.000	155	41Pi Sgr	2.9000	6600.0	108	48628	No
110	GOM_TRA_1PNPDK20110618_093345_000000423103_00338_48628_6206.N1	18-JUN-2011 09:33:45	Bright	42.000	126	60Bet Oph	2.7700	4250.0	84	48628	No
111	GOM_TRA_1PNPDK20110618_093612_000000423103_00338_48628_6207.N1	18-JUN-2011 09:36:12	Bright	41.500	59	55Alp Oph	2.0800	8900.0	83	48628	No
112	GOM_TRA_1PNPDK20110618_094118_000000373103_00338_48628_6208.N1	18-JUN-2011 09:41:18	Bright	37.000	133	40Zet Her	2.8070	6000.0	74	48628	No
113	GOM_TRA_1PNPDK20110618_094623_000000543103_00338_48628_6209.N1	18-JUN-2011 09:46:23	Bright	53.500	5	3Alp Lyr	0.033000	11000.	107	48628	No
114	GOM_TRA_1PNPDK20110618_094818_000000433103_00338_48628_6210.N1	18-JUN-2011 09:48:18	Bright	43.000	69	33Gam Dra	2.2310	3800.0	86	48628	No
115	GOM_TRA_1PNPDK20110618_095801_000000493103_00338_48628_6211.N1	18-JUN-2011 09:58:01	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	48628	No
116	GOM_TRA_1PNPDK20110618_100440_000000443103_00338_48628_6212.N1	18-JUN-2011 10:04:40	Bright	43.500	74	11Bet Cas	2.2680	6600.0	87	48628	No
117	GOM_TRA_1PNPDK20110618_100607_000000563103_00338_48628_6213.N1	18-JUN-2011 10:06:07	Bright	55.500	68	18Alp Cas	2.2250	4500.0	111	48628	No
118	GOM_TRA_1PNPDK20110618_101129_000000423103_00338_48628_6214.N1	18-JUN-2011 10:11:29	Bright	42.000	73	57Gam1And	2.2600	13100.	84	48628	No
119	GOM_TRA_1PNPDK20110618_101350_000000583103_00338_48628_6215.N1	18-JUN-2011 10:13:50	Twilight	58.000	53	43Bet And	2.0480	3300.0	116	48628	No
120	GOM_TRA_1PNPDK20110618_101729_000000513103_00338_48628_6216.N1	18-JUN-2011 10:17:29	Twilight	50.500	50	13Alp Ari	2.0070	4250.0	101	48628	No
121	GOM_TRA_1PNPDK20110618_103348_000000593103_00338_48628_6217.N1	18-JUN-2011 10:33:48	Dark	59.000	52	16Bet Cet	2.0370	4500.0	118	48628	No
122	GOM_TRA_1PNPDK20110618_103947_000000453103_00338_48628_6218.N1	18-JUN-2011 10:39:47	Dark	44.500	84	Alp Phe	2.3970	4500.0	89	48628	No
123	GOM_TRA_1PNPDK20110618_104607_000000483103_00339_48629_6219.N1	18-JUN-2011 10:46:07	Dark	47.500	63	Bet Gru	2.1500	2800.0	95	48629	No
124	GOM_TRA_1PNPDK20110618_104809_000000503103_00339_48629_6220.N1	18-JUN-2011 10:48:09	Straylight	50.000	31	Alp Gru	1.7340	15200.	100	48629	No
125	GOM_TRA_1PNPDK20110618_105141_000000443103_00339_48629_6221.N1	18-JUN-2011 10:51:41	Straylight	44.000	45	Alp Pav	1.9400	26000.	88	48629	No
126	GOM_TRA_1PNPDK20110618_110107_000000483103_00339_48629_6222.N1	18-JUN-2011 11:01:07	Twilight	47.500	38	20Eps Sgr	1.8360	11000.	95	48629	No
127	GOM_TRA_1PNPDK20110618_110234_000000463103_00339_48629_6223.N1	18-JUN-2011 11:02:34	Twilight	45.500	116	19Del Sgr	2.7000	4100.0	91	48629	No
128	GOM_TRA_1PNPDK20110618_110446_000000533103_00339_48629_6224.N1	18-JUN-2011 11:04:46	Bright	52.500	155	41Pi Sgr	2.9000	6600.0	105	48629	No

129	GOM_TRA_1PNPDK20110618_111358_000000413103_00339_48629_6233.N1	18-JUN-2011 11:13:58	Bright	41.000	126	60Bet Oph	2.7700	4250.0	82	48629	No
130	GOM_TRA_1PNPDK20110618_111626_000000403103_00339_48629_6234.N1	18-JUN-2011 11:16:26	Bright	40.000	59	55Alp Oph	2.0800	8900.0	80	48629	No
131	GOM_TRA_1PNPDK20110618_112132_000000393103_00339_48629_6235.N1	18-JUN-2011 11:21:32	Bright	38.500	133	40Zet Her	2.8070	6000.0	77	48629	No
132	GOM_TRA_1PNPDK20110618_112637_000000553103_00339_48629_6236.N1	18-JUN-2011 11:26:37	Bright	55.000	5	3Alp Lyr	0.033000	11000.	110	48629	No
133	GOM_TRA_1PNPDK20110618_112832_000000443103_00339_48629_6237.N1	18-JUN-2011 11:28:32	Bright	43.500	69	33Gam Dra	2.2310	3800.0	87	48629	No
134	GOM_TRA_1PNPDK20110618_114454_000000453103_00339_48629_6238.N1	18-JUN-2011 11:44:54	Bright	44.500	74	11Bet Cas	2.2680	6600.0	89	48629	No
135	GOM_TRA_1PNPDK20110618_114621_000000463103_00339_48629_6239.N1	18-JUN-2011 11:46:21	Bright	46.000	68	18Alp Cas	2.2250	4500.0	92	48629	No
136	GOM_TRA_1PNPDK20110618_115143_000000433103_00339_48629_6240.N1	18-JUN-2011 11:51:43	Bright	42.500	73	57Gam1And	2.2600	13100.	85	48629	No
137	GOM_TRA_1PNPDK20110618_115404_000000563103_00339_48629_6241.N1	18-JUN-2011 11:54:04	Twilight	56.000	53	43Bet And	2.0480	3300.0	112	48629	No
138	GOM_TRA_1PNPDK20110618_115743_000000483103_00339_48629_6242.N1	18-JUN-2011 11:57:43	Twilight	47.500	50	13Alp Ari	2.0070	4250.0	95	48629	No
139	GOM_TRA_1PNPDK20110618_121403_000000643103_00339_48629_6243.N1	18-JUN-2011 12:14:03	Dark	64.000	52	16Bet Cet	2.0370	4500.0	128	48629	No
140	GOM_TRA_1PNPDK20110618_122002_000000453103_00339_48629_6244.N1	18-JUN-2011 12:20:02	Dark	45.000	84	Alp Phe	2.3970	4500.0	90	48629	No
141	GOM_TRA_1PNPDK20110618_122622_000000503103_00340_48630_6245.N1	18-JUN-2011 12:26:22	Dark	50.000	63	Bet Gru	2.1500	2800.0	100	48630	No
142	GOM_TRA_1PNPDK20110618_122824_000000483103_00340_48630_6246.N1	18-JUN-2011 12:28:24	Straylight	48.000	31	Alp Gru	1.7340	15200.	96	48630	No
143	GOM_TRA_1PNPDK20110618_123155_000000423103_00340_48630_6247.N1	18-JUN-2011 12:31:55	Straylight	42.000	45	Alp Pav	1.9400	26000.	84	48630	No
144	GOM_TRA_1PNPDK20110618_124121_000000493103_00340_48630_6248.N1	18-JUN-2011 12:41:21	Twilight	49.000	38	20Eps Sgr	1.8360	11000.	98	48630	No
145	GOM_TRA_1PNPDK20110618_124249_000000493103_00340_48630_6249.N1	18-JUN-2011 12:42:49	Twilight	49.000	116	19Del Sgr	2.7000	4100.0	98	48630	No
146	GOM_TRA_1PNPDK20110618_124500_000000543103_00340_48630_6250.N1	18-JUN-2011 12:45:00	Bright	53.500	155	41Pi Sgr	2.9000	6600.0	107	48630	No
147	GOM_TRA_1PNPDK20110618_125412_000000433103_00340_48630_6271.N1	18-JUN-2011 12:54:12	Bright	43.000	126	60Bet Oph	2.7700	4250.0	86	48630	No
148	GOM_TRA_1PNPDK20110618_125639_000000413103_00340_48630_6272.N1	18-JUN-2011 12:56:39	Bright	41.000	59	55Alp Oph	2.0800	8900.0	82	48630	No
149	GOM_TRA_1PNPDK20110618_130146_000000393103_00340_48630_6273.N1	18-JUN-2011 13:01:46	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	48630	No
150	GOM_TRA_1PNPDK20110618_130650_000000563103_00340_48630_6274.N1	18-JUN-2011 13:06:50	Bright	55.500	5	3Alp Lyr	0.033000	11000.	111	48630	No
151	GOM_TRA_1PNPDK20110618_130845_000000443103_00340_48630_6275.N1	18-JUN-2011 13:08:45	Bright	43.500	69	33Gam Dra	2.2310	3800.0	87	48630	No
152	GOM_TRA_1PNPDK20110618_131827_000000483103_00340_48630_6276.N1	18-JUN-2011 13:18:27	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	48630	No
153	GOM_TRA_1PNPDK20110618_132507_000000463103_00340_48630_6277.N1	18-JUN-2011 13:25:07	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	48630	No
154	GOM_TRA_1PNPDK20110618_132634_000000473103_00340_48630_6278.N1	18-JUN-2011 13:26:34	Bright	47.000	68	18Alp Cas	2.2250	4500.0	94	48630	No
155	GOM_TRA_1PNPDK20110618_133157_000000413103_00340_48630_6279.N1	18-JUN-2011 13:31:57	Bright	41.000	73	57Gam1And	2.2600	13100.	82	48630	No
156	GOM_TRA_1PNPDK20110618_133418_000000563103_00340_48630_6280.N1	18-JUN-2011 13:34:18	Twilight	56.000	53	43Bet And	2.0480	3300.0	112	48630	No
157	GOM_TRA_1PNPDK20110618_133757_000000483103_00340_48630_6281.N1	18-JUN-2011 13:37:57	Twilight	47.500	50	13Alp Ari	2.0070	4250.0	95	48630	No
158	GOM_TRA_1PNPDK20110618_135418_000000613103_00340_48630_6282.N1	18-JUN-2011 13:54:18	Dark	60.500	52	16Bet Cet	2.0370	4500.0	121	48630	No
159	GOM_TRA_1PNPDK20110618_140017_000000433103_00340_48630_6283.N1	18-JUN-2011 14:00:17	Dark	43.000	84	Alp Phe	2.3970	4500.0	86	48630	No
160	GOM_TRA_1PNPDK20110618_140636_000000523103_00341_48631_6284.N1	18-JUN-2011 14:06:36	Dark	52.000	63	Bet Gru	2.1500	2800.0	104	48631	No
161	GOM_TRA_1PNPDK20110618_140839_000000483103_00341_48631_6285.N1	18-JUN-2011 14:08:39	Straylight	47.500	31	Alp Gru	1.7340	15200.	95	48631	No
162	GOM_TRA_1PNPDK20110618_141210_000000433103_00341_48631_6286.N1	18-JUN-2011 14:12:10	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	48631	No
163	GOM_TRA_1PNPDK20110618_142136_000000473103_00341_48631_6287.N1	18-JUN-2011 14:21:36	Twilight	47.000	38	20Eps Sgr	1.8360	11000.	94	48631	No
164	GOM_TRA_1PNPDK20110618_142303_000000513103_00341_48631_6288.N1	18-JUN-2011 14:23:03	Twilight	50.500	116	19Del Sgr	2.7000	4100.0	101	48631	No
165	GOM_TRA_1PNPDK20110618_142515_000000523103_00341_48631_6289.N1	18-JUN-2011 14:25:15	Bright	52.000	155	41Pi Sgr	2.9000	6600.0	104	48631	No
166	GOM_TRA_1PNPDK20110618_143426_000000433103_00341_48631_6305.N1	18-JUN-2011 14:34:26	Bright	43.000	126	60Bet Oph	2.7700	4250.0	86	48631	No
167	GOM_TRA_1PNPDK20110618_143653_000000433103_00341_48631_6306.N1	18-JUN-2011 14:36:53	Bright	43.000	59	55Alp Oph	2.0800	8900.0	86	48631	No
168	GOM_TRA_1PNPDK20110618_144159_000000383103_00341_48631_6307.N1	18-JUN-2011 14:41:59	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	48631	No
169	GOM_TRA_1PNPDK20110618_144703_000000513103_00341_48631_6308.N1	18-JUN-2011 14:47:03	Bright	50.500	5	3Alp Lyr	0.033000	11000.	101	48631	No
170	GOM_TRA_1PNPDK20110618_144859_000000433103_00341_48631_6309.N1	18-JUN-2011 14:48:59	Bright	43.000	69	33Gam Dra	2.2310	3800.0	86	48631	No
171	GOM_TRA_1PNPDK20110618_145840_000000483103_00341_48631_6310.N1	18-JUN-2011 14:58:40	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	48631	No
172	GOM_TRA_1PNPDK20110618_150521_000000483103_00341_48631_6311.N1	18-JUN-2011 15:05:21	Bright	47.500	74	11Bet Cas	2.2680	6600.0	95	48631	No
173	GOM_TRA_1PNPDK20110618_150648_000000453103_00341_48631_6312.N1	18-JUN-2011 15:06:48	Bright	45.000	68	18Alp Cas	2.2250	4500.0	90	48631	No
174	GOM_TRA_1PNPDK20110618_151211_000000413103_00341_48631_6313.N1	18-JUN-2011 15:12:11	Bright	41.000	73	57Gam1And	2.2600	13100.	82	48631	No
175	GOM_TRA_1PNPDK20110618_151432_000000573103_00341_48631_6314.N1	18-JUN-2011 15:14:32	Twilight	57.000	53	43Bet And	2.0480	3300.0	114	48631	No
176	GOM_TRA_1PNPDK20110618_151811_000000503103_00341_48631_6315.N1	18-JUN-2011 15:18:11	Twilight	49.500	50	13Alp Ari	2.0070	4250.0	99	48631	No
177	GOM_TRA_1PNPDK20110618_153433_000000623103_00341_48631_6316.N1	18-JUN-2011 15:34:33	Dark	61.500	52	16Bet Cet	2.0370	4500.0	123	48631	No
178	GOM_TRA_1PNPDK20110618_154032_000000533103_00341_48631_6317.N1	18-JUN-2011 15:40:32	Dark	53.000	84	Alp Phe	2.3970	4500.0	106	48631	No
179	GOM_TRA_1PNPDK20110618_154651_000000523103_00342_48632_6318.N1	18-JUN-2011 15:46:51	Dark	52.000	63	Bet Gru	2.1500	2800.0	104	48632	No
180	GOM_TRA_1PNPDK20110618_154854_000000493103_00342_48632_6319.N1	18-JUN-2011 15:48:54	Straylight	49.000	31	Alp Gru	1.7340	15200.	98	48632	No
181	GOM_TRA_1PNPDK20110618_155224_000000423103_00342_48632_6320.N1	18-JUN-2011 15:52:24	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	48632	No
182	GOM_TRA_1PNPDK20110618_160150_000000493103_00342_48632_6321.N1	18-JUN-2011 16:01:50	Twilight	49.000	38	20Eps Sgr	1.8360	11000.	98	48632	No
183	GOM_TRA_1PNPDK20110618_160317_000000503103_00342_48632_6332.N1	18-JUN-2011 16:03:17	Twilight	50.000	116	19Del Sgr	2.7000	4100.0	100	48632	No
184	GOM_TRA_1PNPDK20110618_160529_000000553103_00342_48632_6333.N1	18-JUN-2011 16:05:29	Bright	54.500	155	41Pi Sgr	2.9000	6600.0	109	48632	No
185	GOM_TRA_1PNPDK20110618_161440_000000423103_00342_48632_6334.N1	18-JUN-2011 16:14:40	Bright	41.500	126	60Bet Oph	2.7700	4250.0	83	48632	No
186	GOM_TRA_1PNPDK20110618_161707_000000423103_00342_48632_6335.N1	18-JUN-2011 16:17:07	Bright	41.500	59	55Alp Oph	2.0800	8900.0	83	48632	No
187	GOM_TRA_1PNPDK20110618_162213_000000393103_00342_48632_6336.N1	18-JUN-2011 16:22:13	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	48632	No

188	GOM_TRA_1PNPDK20110618_162716_000000533103_00342_48632_6337.N1	18-JUN-2011 16:27:16	Bright	52.500	5	3Alp Lyr	0.033000	11000.	105	48632	No
189	GOM_TRA_1PNPDK20110618_162913_000000443103_00342_48632_6338.N1	18-JUN-2011 16:29:13	Bright	43.500	69	33Gam Dra	2.2310	3800.0	87	48632	No
190	GOM_TRA_1PNPDK20110618_163854_000000483103_00342_48632_6339.N1	18-JUN-2011 16:38:54	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	48632	No
191	GOM_TRA_1PNPDK20110618_164534_000000493103_00342_48632_6340.N1	18-JUN-2011 16:45:34	Bright	48.500	74	11Bet Cas	2.2680	6600.0	97	48632	No
192	GOM_TRA_1PNPDK20110618_164702_000000433103_00342_48632_6341.N1	18-JUN-2011 16:47:02	Bright	42.500	68	18Alp Cas	2.2250	4500.0	85	48632	No
193	GOM_TRA_1PNPDK20110618_165225_000000413103_00342_48632_6342.N1	18-JUN-2011 16:52:25	Bright	41.000	73	57Gam1And	2.2600	13100.	82	48632	No
194	GOM_TRA_1PNPDK20110618_165446_000000683103_00342_48632_6343.N1	18-JUN-2011 16:54:46	Twilight	67.500	53	43Bet And	2.0480	3300.0	135	48632	No
195	GOM_TRA_1PNPDK20110618_165825_000000483103_00342_48632_6344.N1	18-JUN-2011 16:58:25	Twilight	48.000	50	13Alp Ari	2.0070	4250.0	96	48632	No
196	GOM_TRA_1PNPDK20110618_171448_000000543103_00342_48632_6345.N1	18-JUN-2011 17:14:48	Dark	54.000	52	16Bet Cet	2.0370	4500.0	108	48632	No
197	GOM_TRA_1PNPDK20110618_172046_000000503103_00342_48632_6346.N1	18-JUN-2011 17:20:46	Dark	50.000	84	Alp Phe	2.3970	4500.0	100	48632	No
198	GOM_TRA_1PNPDK20110618_172707_000000663103_00343_48633_6347.N1	18-JUN-2011 17:27:07	Dark	65.500	63	Bet Gru	2.1500	2800.0	131	48633	No
199	GOM_TRA_1PNPDK20110618_172909_000000573103_00343_48633_6348.N1	18-JUN-2011 17:29:09	Straylight	57.000	31	Alp Gru	1.7340	15200.	114	48633	No
200	GOM_TRA_1PNPDK20110618_173239_000000433103_00343_48633_6349.N1	18-JUN-2011 17:32:39	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	48633	No
201	GOM_TRA_1PNPDK20110618_174204_000000453103_00343_48633_6369.N1	18-JUN-2011 17:42:04	Twilight	44.500	38	20Eps Sgr	1.8360	11000.	89	48633	No
202	GOM_TRA_1PNPDK20110618_174331_000000513103_00343_48633_6370.N1	18-JUN-2011 17:43:31	Twilight	51.000	116	19Del Sgr	2.7000	4100.0	102	48633	No
203	GOM_TRA_1PNPDK20110618_174543_000000543103_00343_48633_6371.N1	18-JUN-2011 17:45:43	Bright	53.500	155	41Pi Sgr	2.9000	6600.0	107	48633	No
204	GOM_TRA_1PNPDK20110618_175454_000000423103_00343_48633_6372.N1	18-JUN-2011 17:54:54	Bright	42.000	126	60Bet Oph	2.7700	4250.0	84	48633	No
205	GOM_TRA_1PNPDK20110618_175721_000000413103_00343_48633_6373.N1	18-JUN-2011 17:57:21	Bright	40.500	59	55Alp Oph	2.0800	8900.0	81	48633	No
206	GOM_TRA_1PNPDK20110618_180227_000000383103_00343_48633_6374.N1	18-JUN-2011 18:02:27	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	48633	No
207	GOM_TRA_1PNPDK20110618_180729_000000533103_00343_48633_6375.N1	18-JUN-2011 18:07:29	Bright	53.000	5	3Alp Lyr	0.033000	11000.	106	48633	No
208	GOM_TRA_1PNPDK20110618_180926_000000443103_00343_48633_6376.N1	18-JUN-2011 18:09:26	Bright	43.500	69	33Gam Dra	2.2310	3800.0	87	48633	No
209	GOM_TRA_1PNPDK20110618_181907_000000483103_00343_48633_6377.N1	18-JUN-2011 18:19:07	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	48633	No
210	GOM_TRA_1PNPDK20110618_182548_000000663103_00343_48633_6378.N1	18-JUN-2011 18:25:48	Bright	66.000	74	11Bet Cas	2.2680	6600.0	132	48633	No
211	GOM_TRA_1PNPDK20110618_182715_000000443103_00343_48633_6379.N1	18-JUN-2011 18:27:15	Bright	43.500	68	18Alp Cas	2.2250	4500.0	87	48633	No
212	GOM_TRA_1PNPDK20110618_183239_000000433103_00343_48633_6380.N1	18-JUN-2011 18:32:39	Bright	42.500	73	57Gam1And	2.2600	13100.	85	48633	No
213	GOM_TRA_1PNPDK20110618_183501_000000563103_00343_48633_6381.N1	18-JUN-2011 18:35:01	Twilight	55.500	53	43Bet And	2.0480	3300.0	111	48633	No
214	GOM_TRA_1PNPDK20110618_183840_000000493103_00343_48633_6382.N1	18-JUN-2011 18:38:40	Twilight	49.000	50	13Alp Ari	2.0070	4250.0	98	48633	No
215	GOM_TRA_1PNPDK20110618_185504_000000633103_00343_48633_6383.N1	18-JUN-2011 18:55:04	Dark	62.500	52	16Bet Cet	2.0370	4500.0	125	48633	No
216	GOM_TRA_1PNPDK20110618_190101_000000503103_00343_48633_6384.N1	18-JUN-2011 19:01:01	Dark	49.500	84	Alp Phe	2.3970	4500.0	99	48633	No
217	GOM_TRA_1PNPDK20110618_190722_000000533103_00344_48634_6385.N1	18-JUN-2011 19:07:22	Dark	53.000	63	Bet Gru	2.1500	2800.0	106	48634	No
218	GOM_TRA_1PNPDK20110618_190924_000000543103_00344_48634_6386.N1	18-JUN-2011 19:09:24	Straylight	54.000	31	Alp Gru	1.7340	15200.	108	48634	No
219	GOM_TRA_1PNPDK20110618_191254_000000483103_00344_48634_6387.N1	18-JUN-2011 19:12:54	Straylight	47.500	45	Alp Pav	1.9400	26000.	95	48634	No
220	GOM_TRA_1PNPDK20110618_192219_000000483103_00344_48634_6398.N1	18-JUN-2011 19:22:19	Twilight	47.500	38	20Eps Sgr	1.8360	11000.	95	48634	No
221	GOM_TRA_1PNPDK20110618_192346_000000513103_00344_48634_6399.N1	18-JUN-2011 19:23:46	Twilight	50.500	116	19Del Sgr	2.7000	4100.0	101	48634	No
222	GOM_TRA_1PNPDK20110618_192558_000000543103_00344_48634_6400.N1	18-JUN-2011 19:25:58	Bright	53.500	155	41Pi Sgr	2.9000	6600.0	107	48634	No
223	GOM_TRA_1PNPDK20110618_193508_000000423103_00344_48634_6401.N1	18-JUN-2011 19:35:08	Bright	41.500	126	60Bet Oph	2.7700	4250.0	83	48634	No
224	GOM_TRA_1PNPDK20110618_193735_000000433103_00344_48634_6402.N1	18-JUN-2011 19:37:35	Bright	42.500	59	55Alp Oph	2.0800	8900.0	85	48634	No
225	GOM_TRA_1PNPDK20110618_194241_000000383103_00344_48634_6403.N1	18-JUN-2011 19:42:41	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	48634	No
226	GOM_TRA_1PNPDK20110618_194743_000000543103_00344_48634_6404.N1	18-JUN-2011 19:47:43	Bright	53.500	5	3Alp Lyr	0.033000	11000.	107	48634	No
227	GOM_TRA_1PNPDK20110618_194940_000000453103_00344_48634_6405.N1	18-JUN-2011 19:49:40	Bright	45.000	69	33Gam Dra	2.2310	3800.0	90	48634	No
228	GOM_TRA_1PNPDK20110618_195920_000000483103_00344_48634_6406.N1	18-JUN-2011 19:59:20	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	48634	No
229	GOM_TRA_1PNPDK20110618_200602_000000433103_00344_48634_6407.N1	18-JUN-2011 20:06:02	Bright	43.000	74	11Bet Cas	2.2680	6600.0	86	48634	No
230	GOM_TRA_1PNPDK20110618_200729_000000453103_00344_48634_6408.N1	18-JUN-2011 20:07:29	Bright	45.000	68	18Alp Cas	2.2250	4500.0	90	48634	No
231	GOM_TRA_1PNPDK20110618_201253_000000423103_00344_48634_6409.N1	18-JUN-2011 20:12:53	Bright	42.000	73	57Gam1And	2.2600	13100.	84	48634	No
232	GOM_TRA_1PNPDK20110618_201515_000000573103_00344_48634_6410.N1	18-JUN-2011 20:15:15	Twilight	57.000	53	43Bet And	2.0480	3300.0	114	48634	No
233	GOM_TRA_1PNPDK20110618_201854_000000503103_00344_48634_6411.N1	18-JUN-2011 20:18:54	Twilight	50.000	50	13Alp Ari	2.0070	4250.0	100	48634	No
234	GOM_TRA_1PNPDK20110618_203519_000000623103_00344_48634_6412.N1	18-JUN-2011 20:35:19	Dark	61.500	52	16Bet Cet	2.0370	4500.0	123	48634	No
235	GOM_TRA_1PNPDK20110618_204116_000000523103_00344_48634_6413.N1	18-JUN-2011 20:41:16	Dark	52.000	84	Alp Phe	2.3970	4500.0	104	48634	No
236	GOM_TRA_1PNPDK20110618_204736_000000513103_00345_48635_6414.N1	18-JUN-2011 20:47:36	Dark	50.500	63	Bet Gru	2.1500	2800.0	101	48635	No
237	GOM_TRA_1PNPDK20110618_204939_000000493103_00345_48635_6415.N1	18-JUN-2011 20:49:39	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	48635	No
238	GOM_TRA_1PNPDK20110618_205308_000000473103_00345_48635_6416.N1	18-JUN-2011 20:53:08	Straylight	46.500	45	Alp Pav	1.9400	26000.	93	48635	No
239	GOM_TRA_1PNPDE20110618_210233_000000473103_00345_48635_6635.N1	18-JUN-2011 21:02:33	Twilight	47.000	38	20Eps Sgr	1.8360	11000.	94	48635	No
240	GOM_TRA_1PNPDE20110618_210400_000000493103_00345_48635_6636.N1	18-JUN-2011 21:04:00	Twilight	48.500	116	19Del Sgr	2.7000	4100.0	97	48635	No
241	GOM_TRA_1PNPDE20110618_210612_000000543103_00345_48635_6637.N1	18-JUN-2011 21:06:12	Bright	53.500	155	41Pi Sgr	2.9000	6600.0	107	48635	No
242	GOM_TRA_1PNPDE20110618_211522_000000413103_00345_48635_6638.N1	18-JUN-2011 21:15:22	Bright	41.000	126	60Bet Oph	2.7700	4250.0	82	48635	No
243	GOM_TRA_1PNPDE20110618_211748_000000413103_00345_48635_6639.N1	18-JUN-2011 21:17:48	Bright	41.000	59	55Alp Oph	2.0800	8900.0	82	48635	No
244	GOM_TRA_1PNPDE20110618_212255_000000383103_00345_48635_6640.N1	18-JUN-2011 21:22:55	Bright	37.500	133	40Zet Her	2.8070	6000.0	75	48635	No
245	GOM_TRA_1PNPDE20110618_212756_000000533103_00345_48635_6641.N1	18-JUN-2011 21:27:56	Bright	52.500	5	3Alp Lyr	0.033000	11000.	105	48635	No
246	GOM_TRA_1PNPDE20110618_212953_000000393103_00345_48635_6642.N1	18-JUN-2011 21:29:53	Bright	39.000	69	33Gam Dra	2.2310	3800.0	78	48635	No

247	GOM_TRA_1PNPDE20110618_213934_000000473103_00345_48635_6643.N1	18-JUN-2011 21:39:34	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48635	No
248	GOM_TRA_1PNPDE20110618_214615_000000453103_00345_48635_6644.N1	18-JUN-2011 21:46:15	Bright	44.500	74	11Bet Cas	2.2680	6600.0	89	48635	No
249	GOM_TRA_1PNPDE20110618_214743_000000453103_00345_48635_6645.N1	18-JUN-2011 21:47:43	Bright	45.000	68	18Alp Cas	2.2250	4500.0	90	48635	No
250	GOM_TRA_1PNPDE20110618_215307_000000423103_00345_48635_6646.N1	18-JUN-2011 21:53:07	Bright	41.500	73	57Gam1And	2.2600	13100.	83	48635	No
251	GOM_TRA_1PNPDE20110618_215528_000000593103_00345_48635_6647.N1	18-JUN-2011 21:55:28	Twilight	58.500	53	43Bet And	2.0480	3300.0	117	48635	No
252	GOM_TRA_1PNPDE20110618_215908_000000543103_00345_48635_6648.N1	18-JUN-2011 21:59:08	Twilight	54.000	50	13Alp Ari	2.0070	4250.0	108	48635	No
253	GOM_TRA_1PNPDE20110618_221534_000000663103_00345_48635_6660.N1	18-JUN-2011 22:15:34	Dark	66.000	52	16Bet Cet	2.0370	4500.0	132	48635	No
254	GOM_TRA_1PNPDE20110618_222131_000000503103_00345_48635_6661.N1	18-JUN-2011 22:21:31	Dark	49.500	84	Alp Phe	2.3970	4500.0	99	48635	No
255	GOM_TRA_1PNPDE20110618_222751_000000513103_00346_48636_6662.N1	18-JUN-2011 22:27:51	Dark	51.000	63	Bet Gru	2.1500	2800.0	102	48636	No
256	GOM_TRA_1PNPDE20110618_222954_000000473103_00346_48636_6663.N1	18-JUN-2011 22:29:54	Straylight	47.000	31	Alp Gru	1.7340	15200.	94	48636	No
257	GOM_TRA_1PNPDE20110618_223323_000000443103_00346_48636_6664.N1	18-JUN-2011 22:33:23	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	48636	No
258	GOM_TRA_1PNPDE20110618_224247_000000473103_00346_48636_6665.N1	18-JUN-2011 22:42:47	Twilight	47.000	38	20Eps Sgr	1.8360	11000.	94	48636	No
259	GOM_TRA_1PNPDE20110618_224414_000000513103_00346_48636_6666.N1	18-JUN-2011 22:44:14	Twilight	51.000	116	19Del Sgr	2.7000	4100.0	102	48636	No
260	GOM_TRA_1PNPDE20110618_224626_000000533103_00346_48636_6667.N1	18-JUN-2011 22:46:26	Bright	53.000	155	41Pi Sgr	2.9000	6600.0	106	48636	No
261	GOM_TRA_1PNPDE20110618_225535_000000423103_00346_48636_6668.N1	18-JUN-2011 22:55:35	Bright	41.500	126	60Bet Oph	2.7700	4250.0	83	48636	No
262	GOM_TRA_1PNPDE20110618_225802_000000443103_00346_48636_6669.N1	18-JUN-2011 22:58:02	Bright	43.500	59	55Alp Oph	2.0800	8900.0	87	48636	No
263	GOM_TRA_1PNPDE20110618_230309_000000363103_00346_48636_6670.N1	18-JUN-2011 23:03:09	Bright	36.000	133	40Zet Her	2.8070	6000.0	72	48636	No
264	GOM_TRA_1PNPDE20110618_230809_000000463103_00346_48636_6671.N1	18-JUN-2011 23:08:09	Bright	45.500	5	3Alp Lyr	0.033000	11000.	91	48636	No
265	GOM_TRA_1PNPDE20110618_231007_000000433103_00346_48636_6672.N1	18-JUN-2011 23:10:07	Bright	43.000	69	33Gam Dra	2.2310	3800.0	86	48636	No
266	GOM_TRA_1PNPDE20110618_231947_000000473103_00346_48636_6673.N1	18-JUN-2011 23:19:47	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48636	No
267	GOM_TRA_1PNPDE20110618_232629_000000603103_00346_48636_6674.N1	18-JUN-2011 23:26:29	Bright	60.000	74	11Bet Cas	2.2680	6600.0	120	48636	No
268	GOM_TRA_1PNPDE20110618_232756_000000653103_00346_48636_6675.N1	18-JUN-2011 23:27:56	Bright	65.000	68	18Alp Cas	2.2250	4500.0	130	48636	No
269	GOM_TRA_1PNPDE20110618_233321_000000423103_00346_48636_6676.N1	18-JUN-2011 23:33:21	Bright	41.500	73	57Gam1And	2.2600	13100.	83	48636	No
270	GOM_TRA_1PNPDE20110618_233542_000000593103_00346_48636_6677.N1	18-JUN-2011 23:35:42	Twilight	59.000	53	43Bet And	2.0480	3300.0	118	48636	No
271	GOM_TRA_1PNPDE20110618_233922_000000503103_00346_48636_6678.N1	18-JUN-2011 23:39:22	Twilight	50.000	50	13Alp Ari	2.0070	4250.0	100	48636	No
272	GOM_TRA_1PNPDE20110618_235549_000000603103_00346_48636_6679.N1	18-JUN-2011 23:55:49	Dark	59.500	52	16Bet Cet	2.0370	4500.0	119	48636	No

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



4. Overview of dark signal processing per product

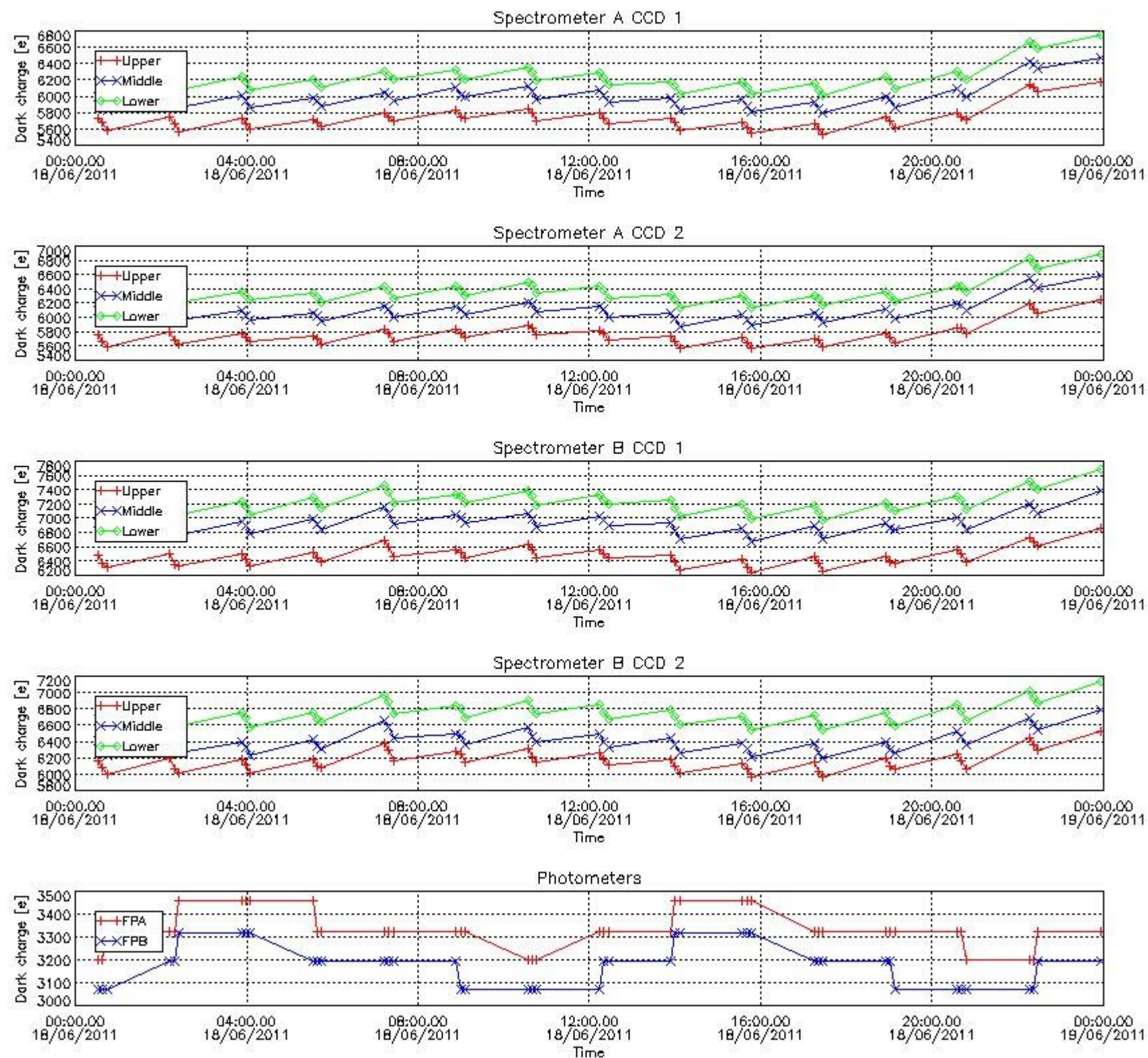
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20110618_210233_000000473103_00345_48635_6635.N1	DC map used
GOM_TRA_1PNPDE20110618_210400_000000493103_00345_48635_6636.N1	DC map used
GOM_TRA_1PNPDE20110618_210612_000000543103_00345_48635_6637.N1	DC map used
GOM_TRA_1PNPDE20110618_211522_000000413103_00345_48635_6638.N1	DC map used
GOM_TRA_1PNPDE20110618_211748_000000413103_00345_48635_6639.N1	DC map used
GOM_TRA_1PNPDE20110618_212255_000000383103_00345_48635_6640.N1	DC map used
GOM_TRA_1PNPDE20110618_212756_000000533103_00345_48635_6641.N1	DC map used
GOM_TRA_1PNPDE20110618_212953_000000393103_00345_48635_6642.N1	DC map used
GOM_TRA_1PNPDE20110618_213934_000000473103_00345_48635_6643.N1	DC map used
GOM_TRA_1PNPDE20110618_214615_000000453103_00345_48635_6644.N1	DC map used
GOM_TRA_1PNPDE20110618_214743_000000453103_00345_48635_6645.N1	DC map used
GOM_TRA_1PNPDE20110618_215307_000000423103_00345_48635_6646.N1	DC map used
GOM_TRA_1PNPDE20110618_215528_000000593103_00345_48635_6647.N1	DC map used
GOM_TRA_1PNPDE20110618_215908_000000543103_00345_48635_6648.N1	DC map used

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



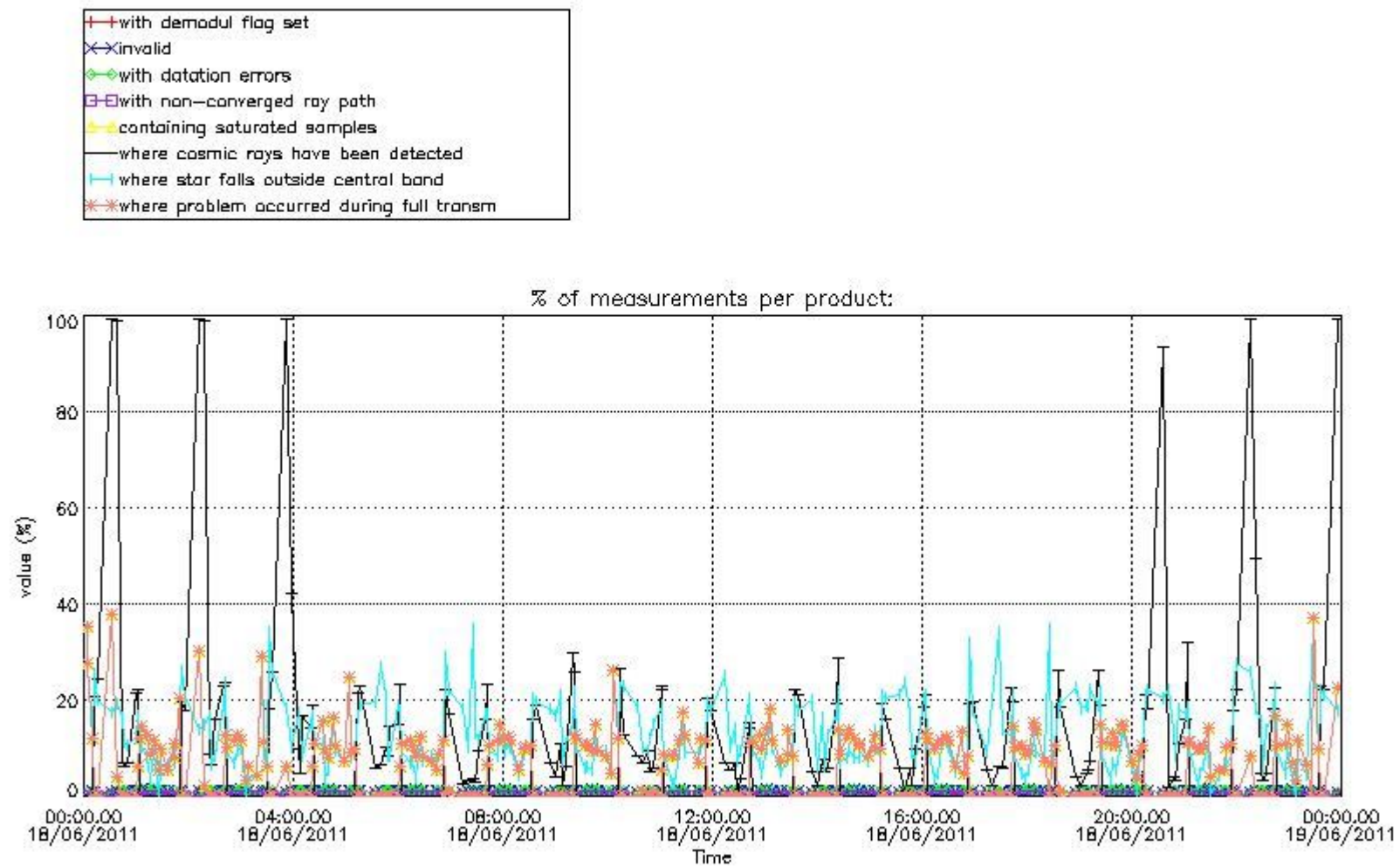
5. Demodulation flag and quality information monitoring

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.

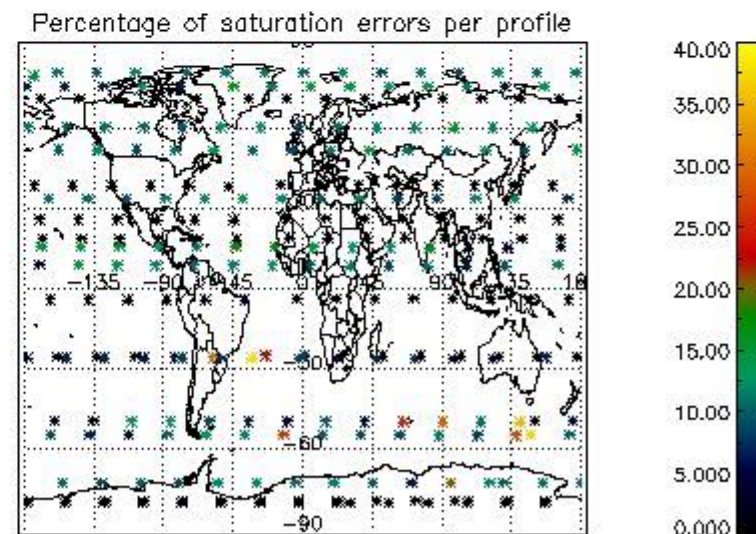
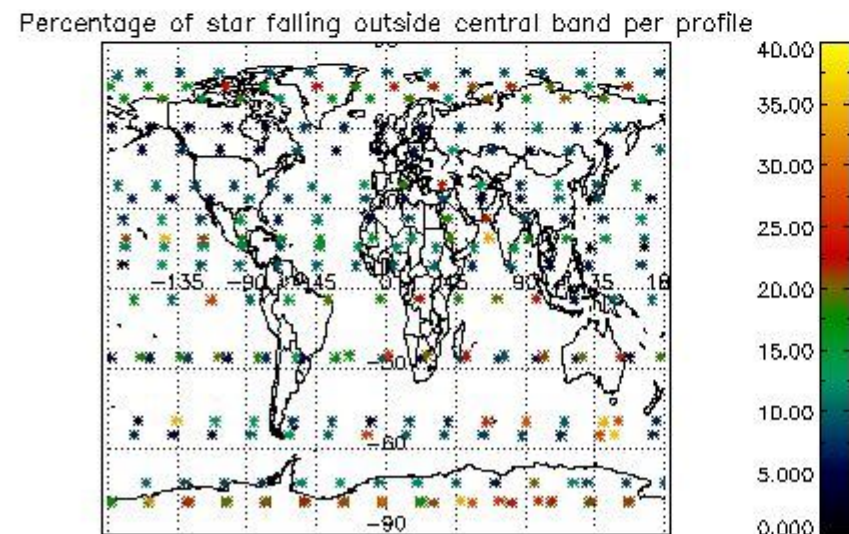
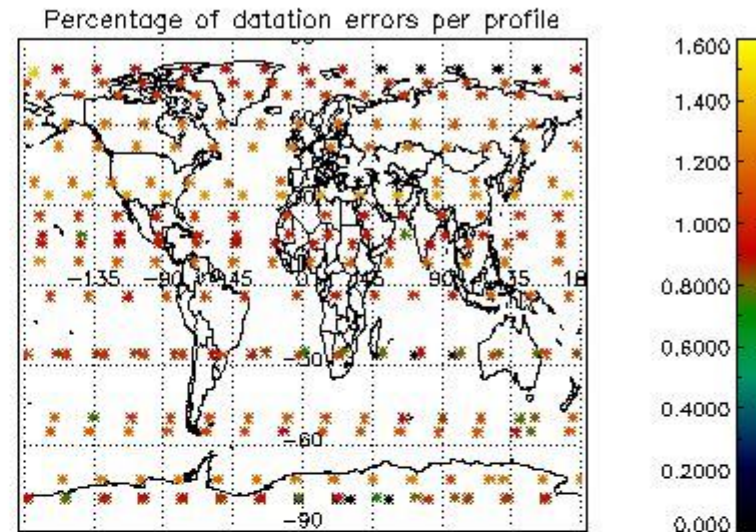
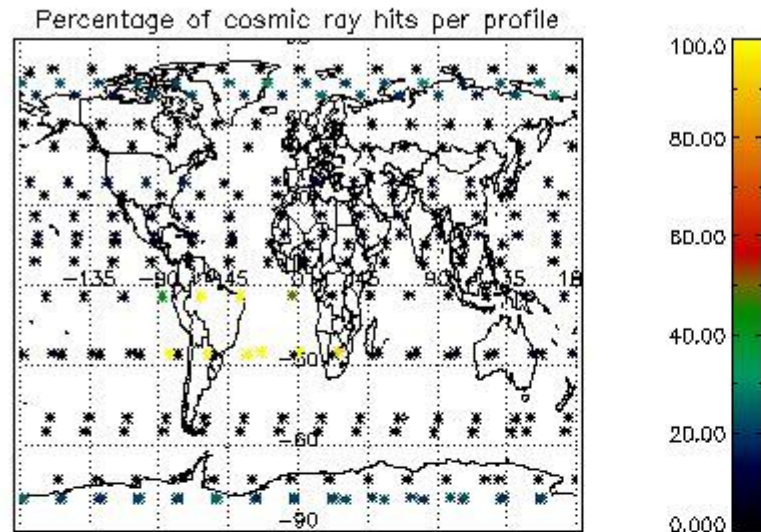
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	46.6912 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	52.5735 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



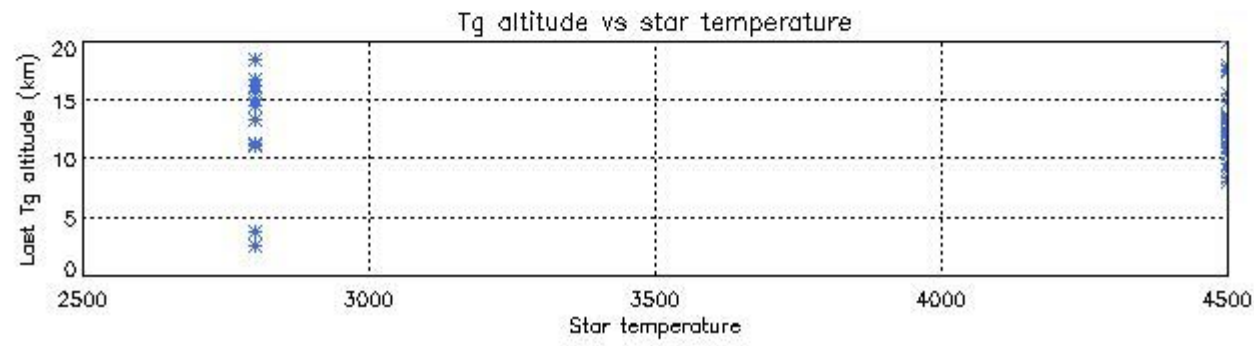
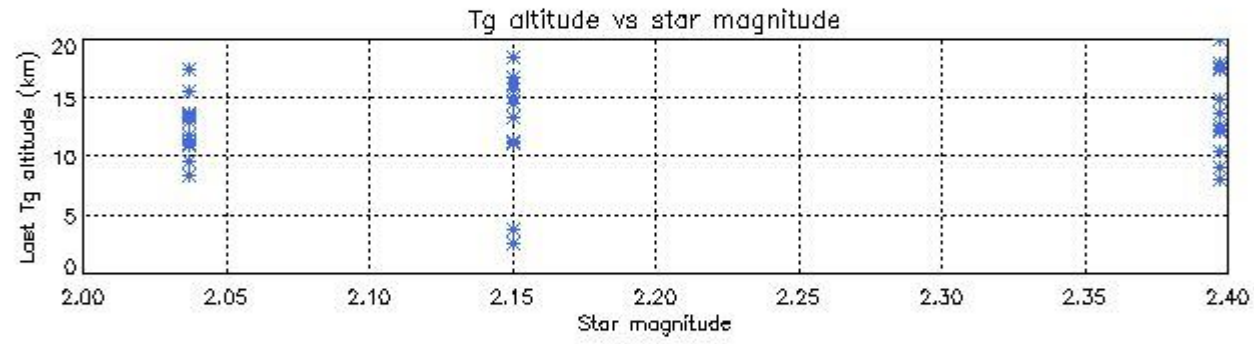
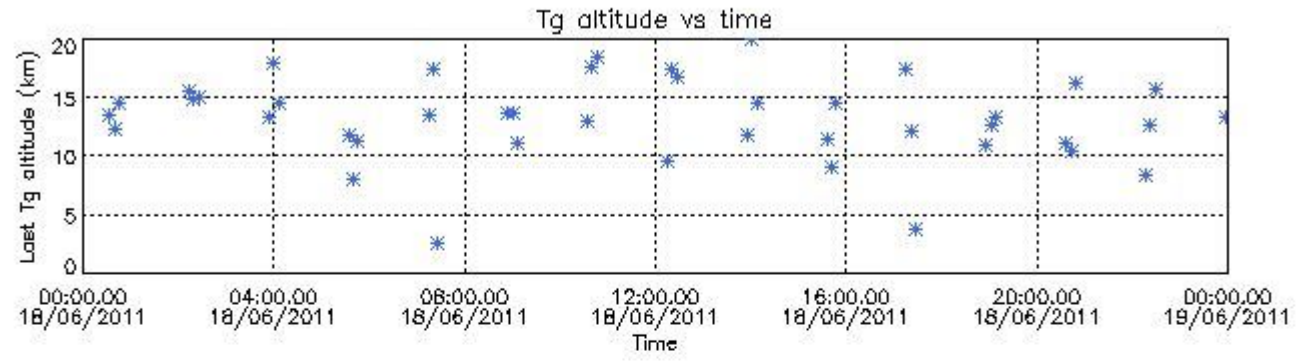
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.182	18.890	11.084
St. deviation:	3.5697	3.8314	1.3661
Maximum:	19.987	27.056	12.823
Minimum:	2.6067	3.3694	7.9525
Number of data:	43.000	143.00	15.000

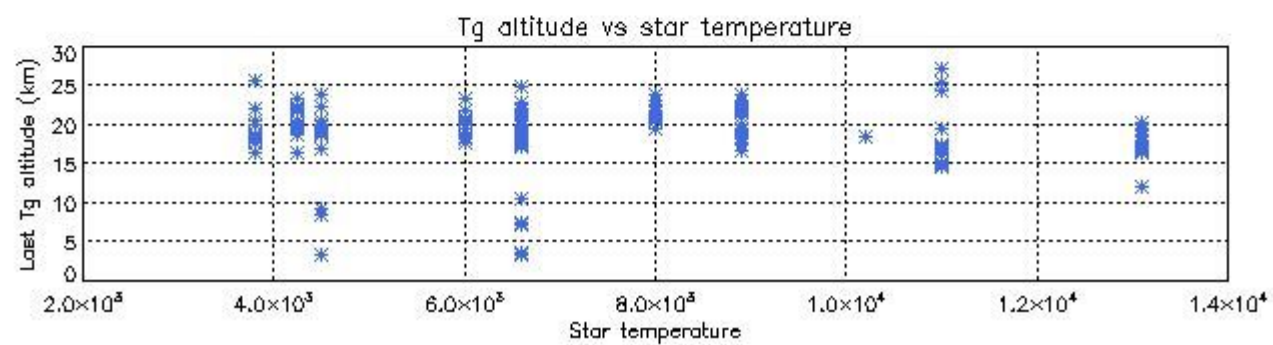
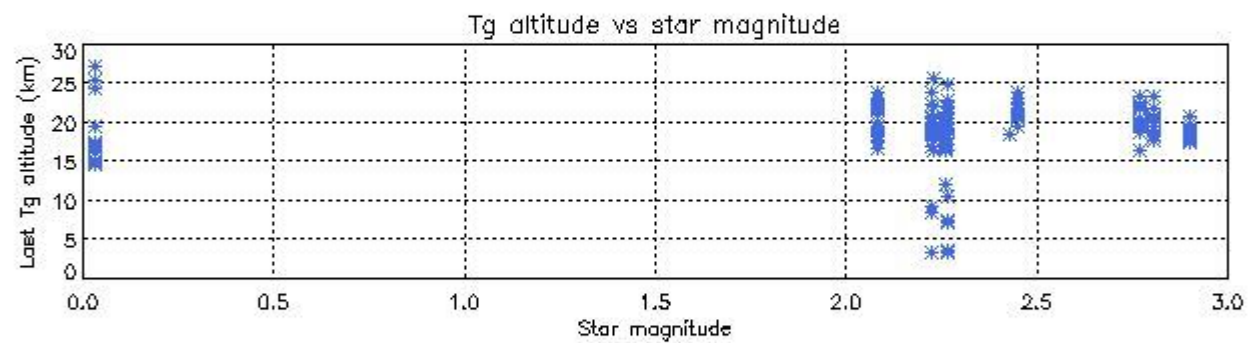
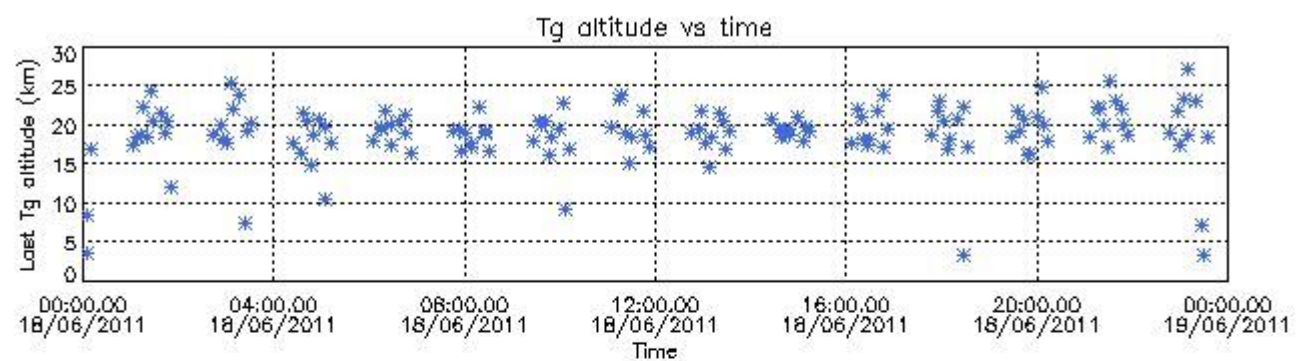
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



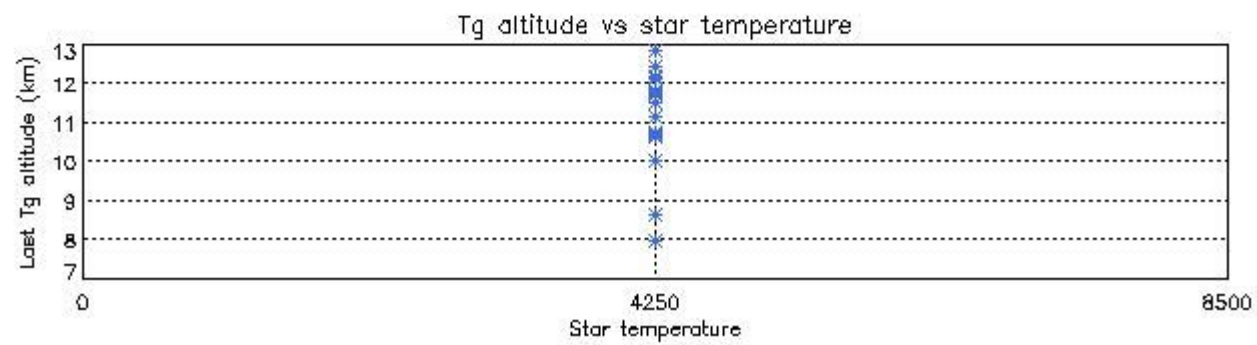
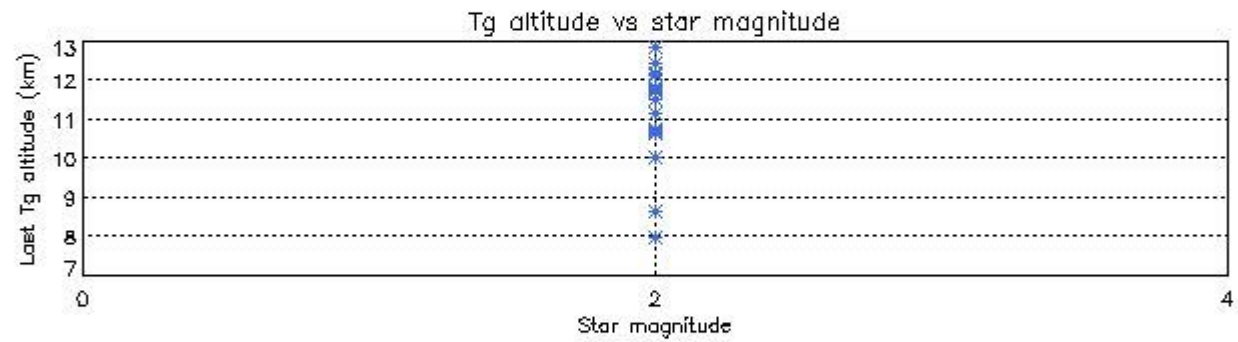
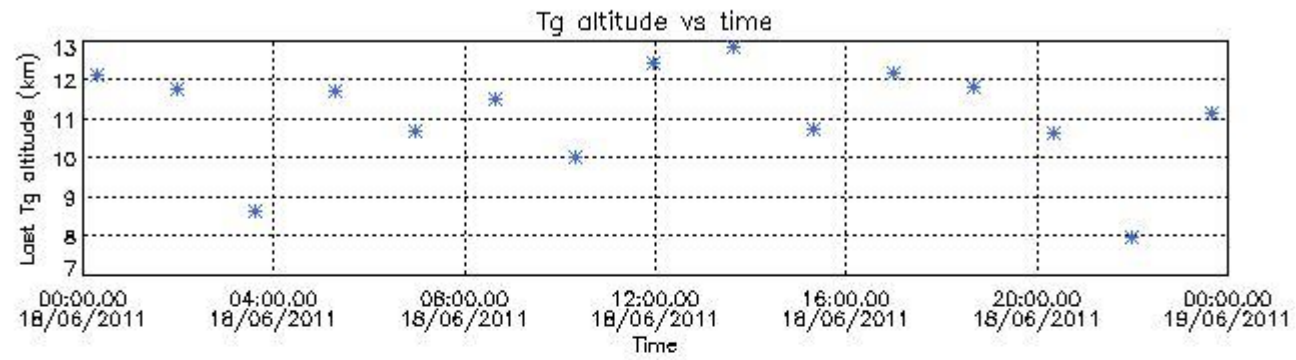
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

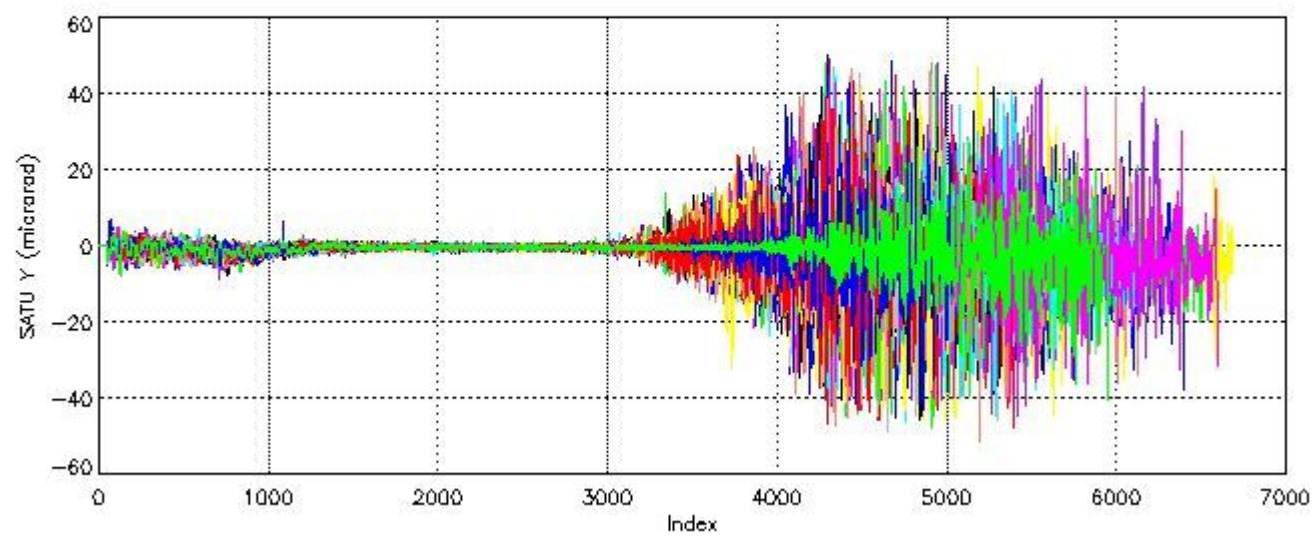
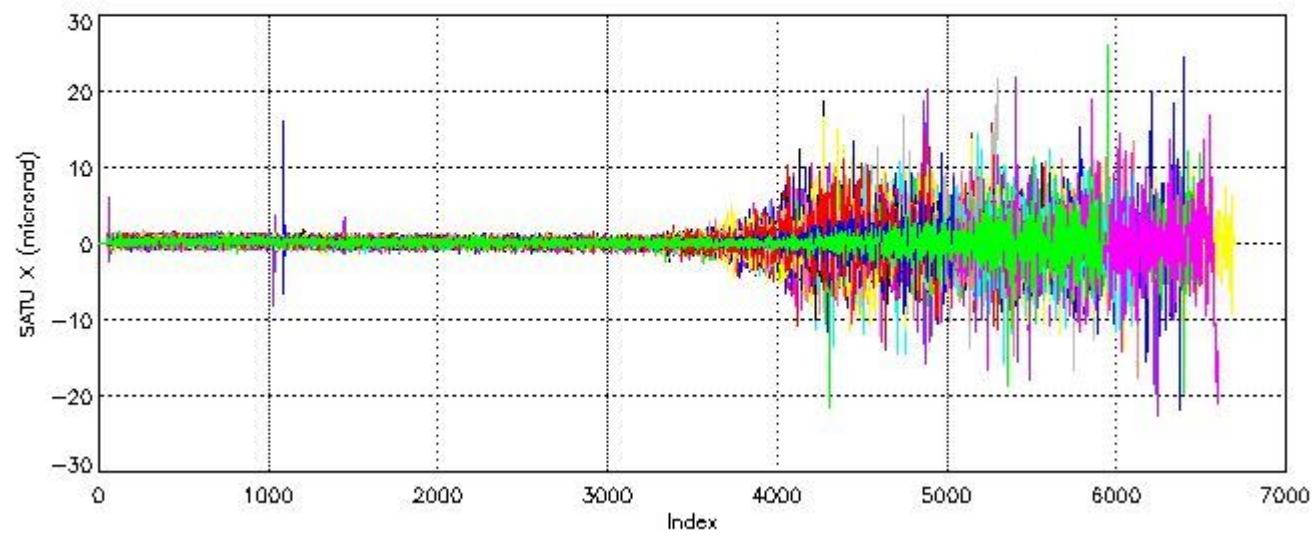


7. Star Acquisition and Tracking Unit (SATU)

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:	0.28065	-1.1655	0.28478	-1.1758
St. deviation:	0.28792	1.4420	0.62510	1.4974
Maximum:	6.1000	6.6000	4.9000	6.8000
Minimum:	-8.1000	-9.0000	-4.0000	-10.200

Number of data:	47650.	47650.	1.4635E+05	1.4635E+05
90Percentile:	0.60000	0.60000	1.1000	0.60000

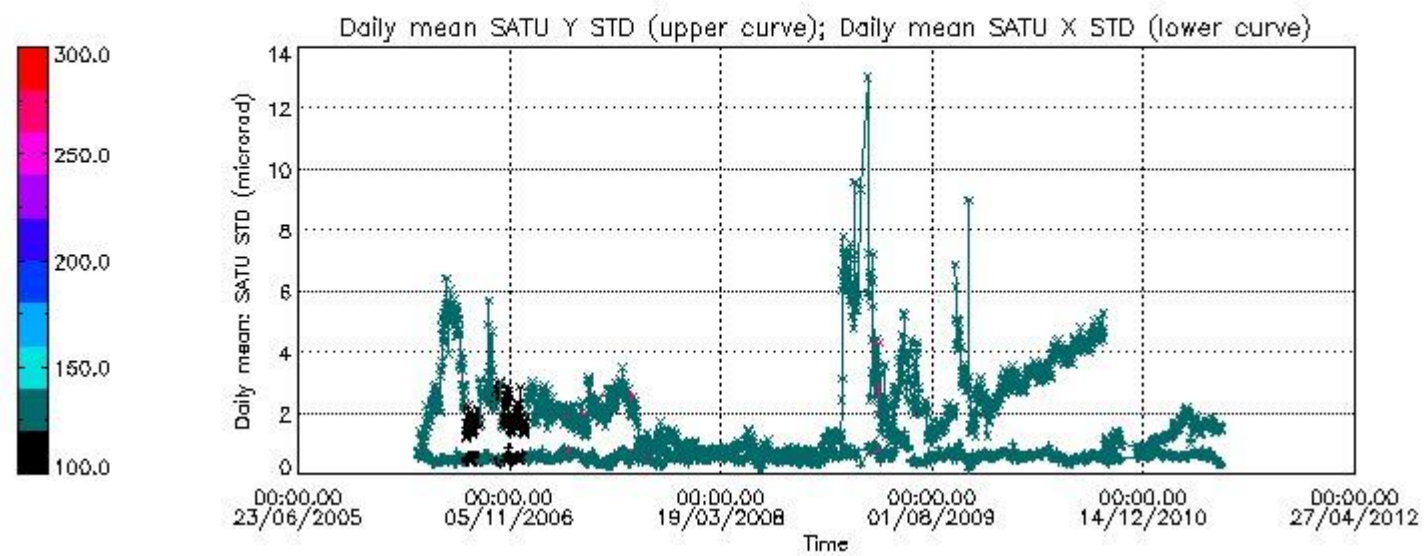
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

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

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

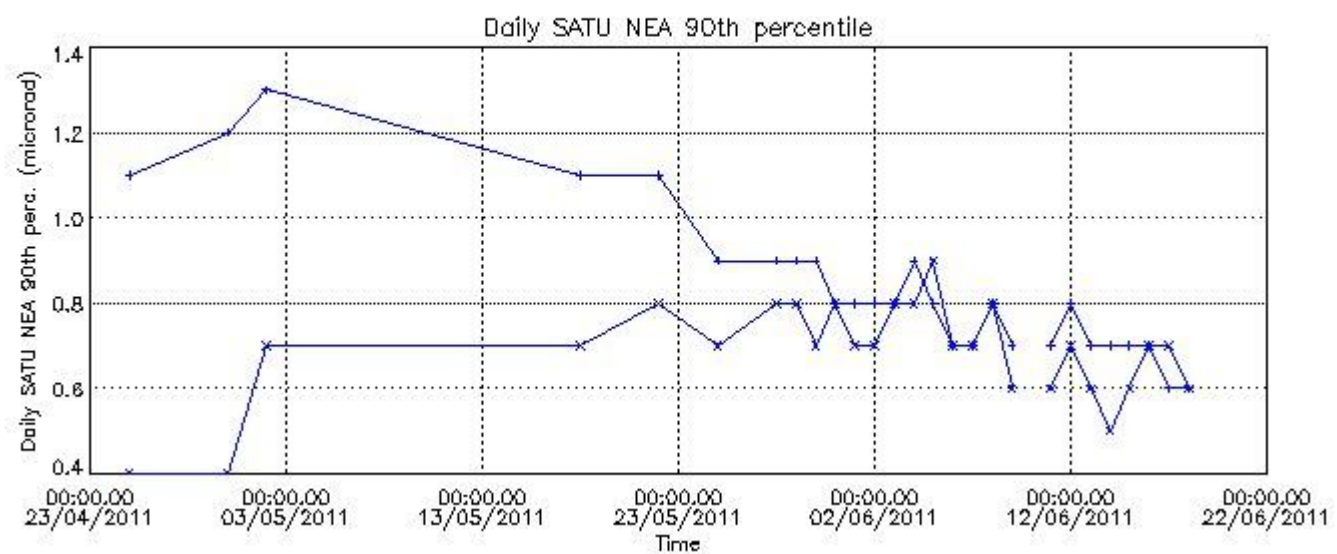
Upper curve: STD of SATU Y axis

Lower curve: STD of SATU X axis



Lower curve: 90th percentile of SATU Y axis

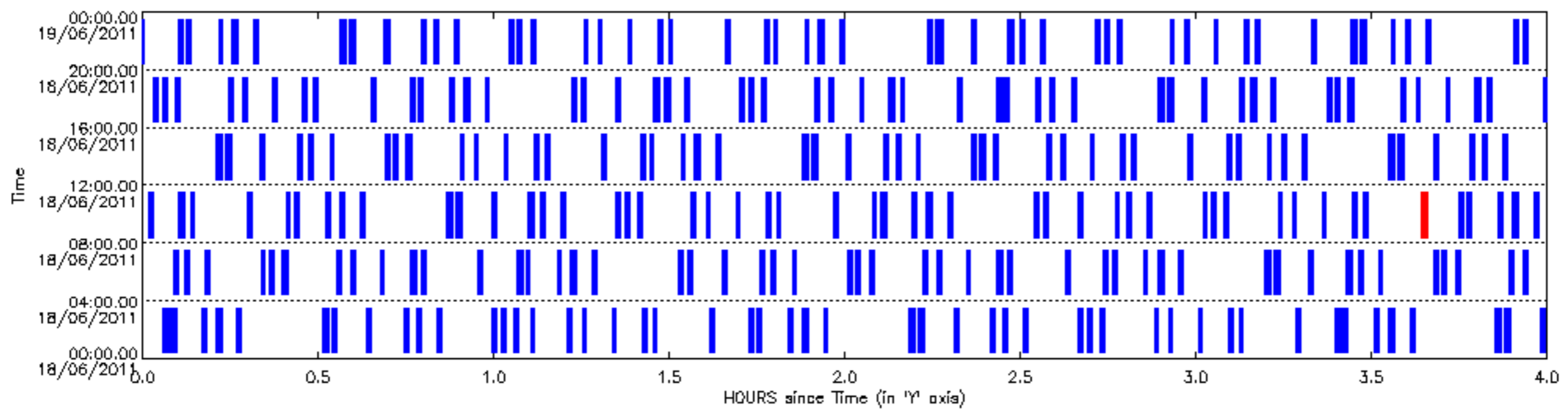
Upper curve: 90th percentile of SATU X axis

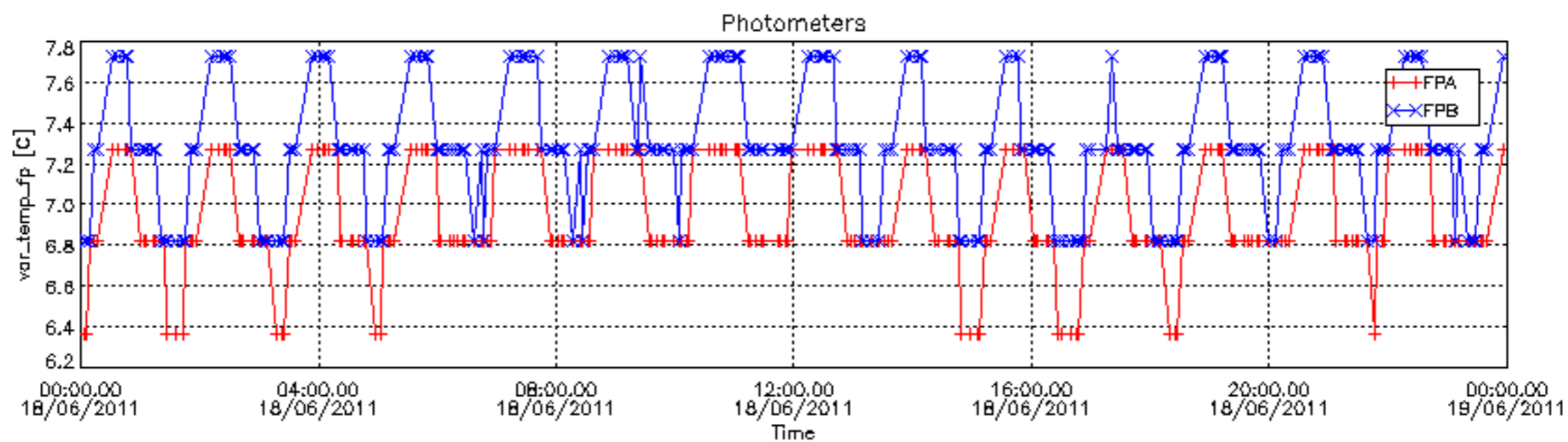
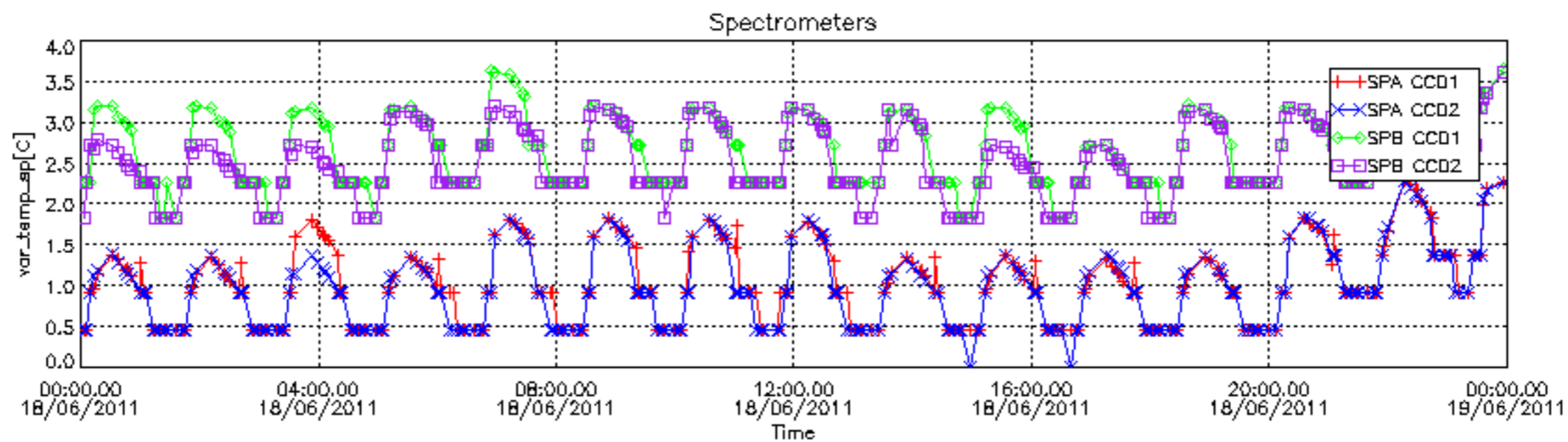


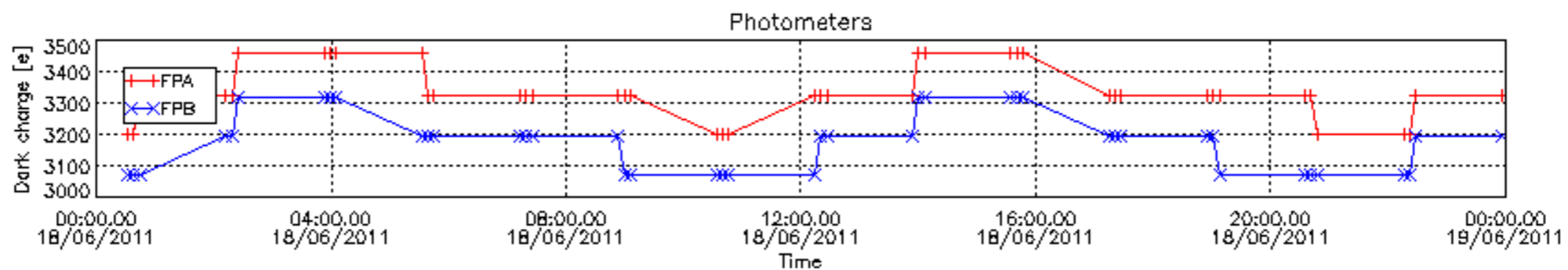
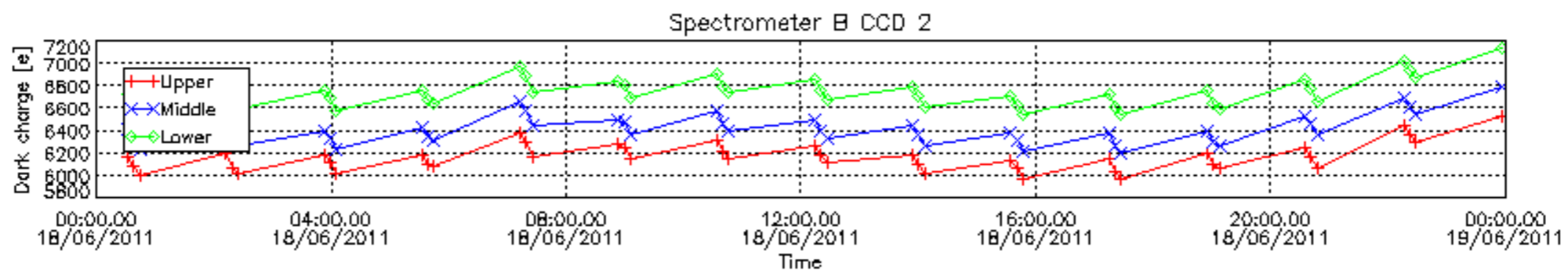
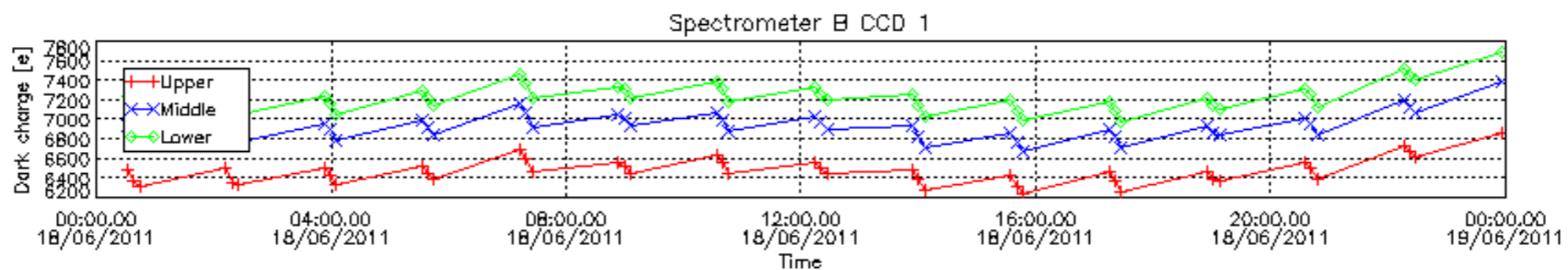
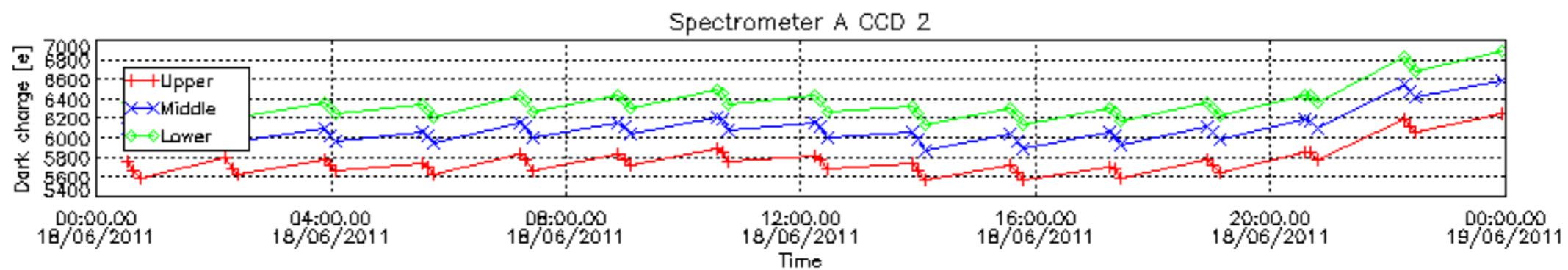
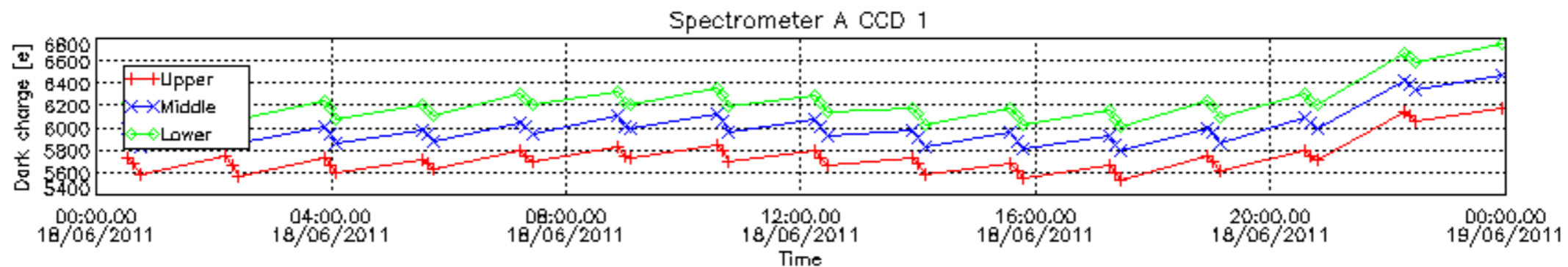
8. Auxiliary Data Files used for the production reported in section 2.4

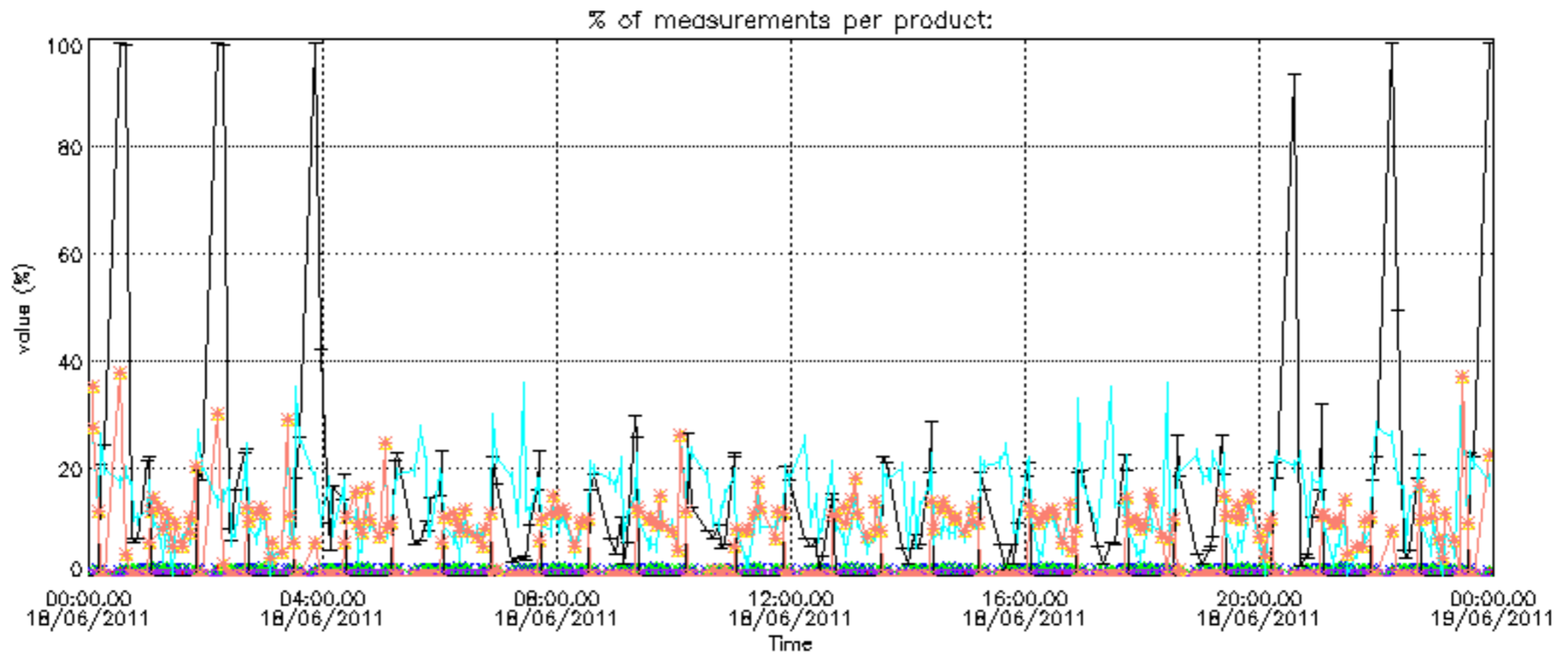
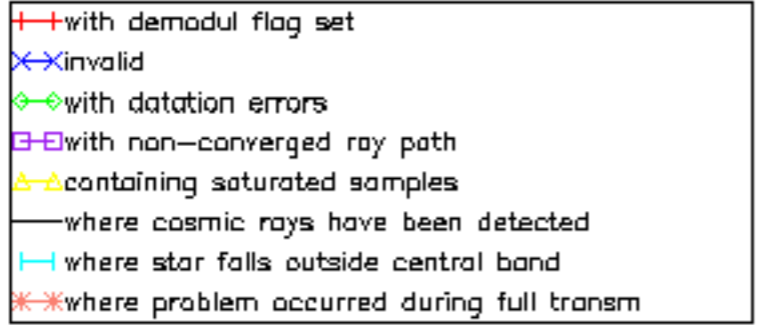
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	18-JUN-2011 00:03:18
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110615_093902_20110614_000000_20500101_000000	1	18-JUN-2011 00:03:18
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20110513_081743_20020301_000000_20500101_000000	1	18-JUN-2011 00:03:18
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	18-JUN-2011 00:03:18
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	18-JUN-2011 00:03:18
ECMWF_FILE	AUX_ECF_AXNECM20110617_063300_20110617_210000_20110618_090000	1	18-JUN-2011 00:03:18
ECMWF_FILE	AUX_ECF_AXNECM20110617_183258_20110618_030000_20110618_150000	40	18-JUN-2011 03:23:45
ECMWF_FILE	AUX_ECA_AXNECM20110618_062114_20110617_210000_20110618_090000	59	18-JUN-2011 05:03:59
ECMWF_FILE	AUX_ECF_AXNECM20110617_183258_20110618_030000_20110618_150000	91	18-JUN-2011 07:53:31
ECMWF_FILE	AUX_ECF_AXNECM20110618_062114_20110618_090000_20110618_210000	110	18-JUN-2011 09:33:45
ECMWF_FILE	AUX_ECF_AXNECM20110618_062114_20110618_150000_20110619_030000	183	18-JUN-2011 16:03:17
ECMWF_FILE	AUX_ECA_AXNECM20110618_182115_20110618_090000_20110618_210000	201	18-JUN-2011 17:42:04
ECMWF_FILE	AUX_ECF_AXNECM20110618_062115_20110618_210000_20110619_090000	239	18-JUN-2011 21:02:33
OPTIONAL_ECMWF_FILE	MISSING	1	18-JUN-2011 00:03:18
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110617_101300_20110616_183518_20110626_204904	1	18-JUN-2011 00:03:18
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110618_102114_20110617_193848_20110627_201222	110	18-JUN-2011 09:33:45

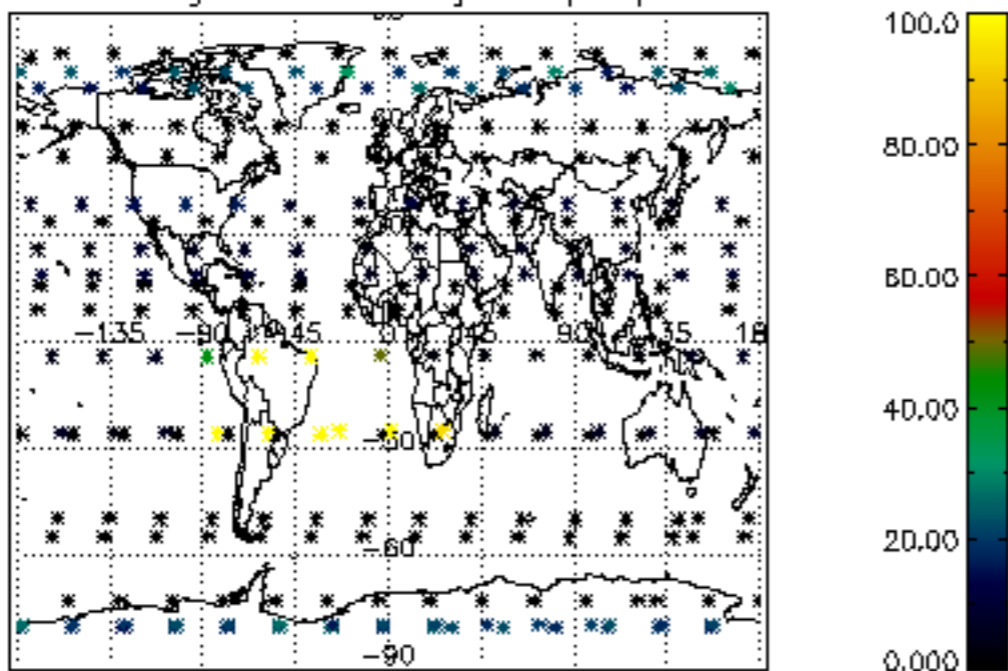




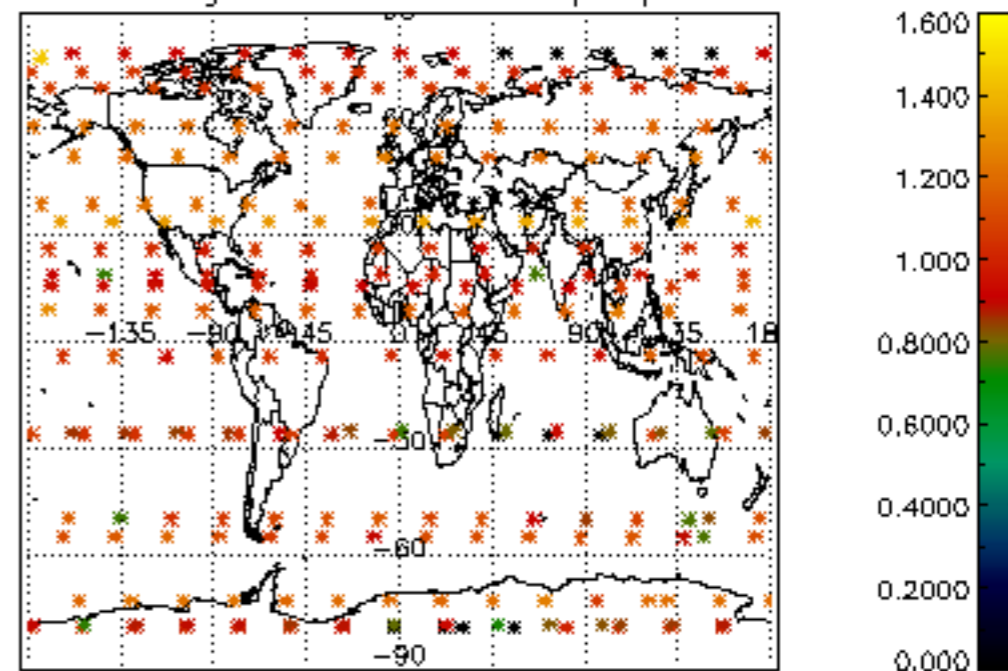




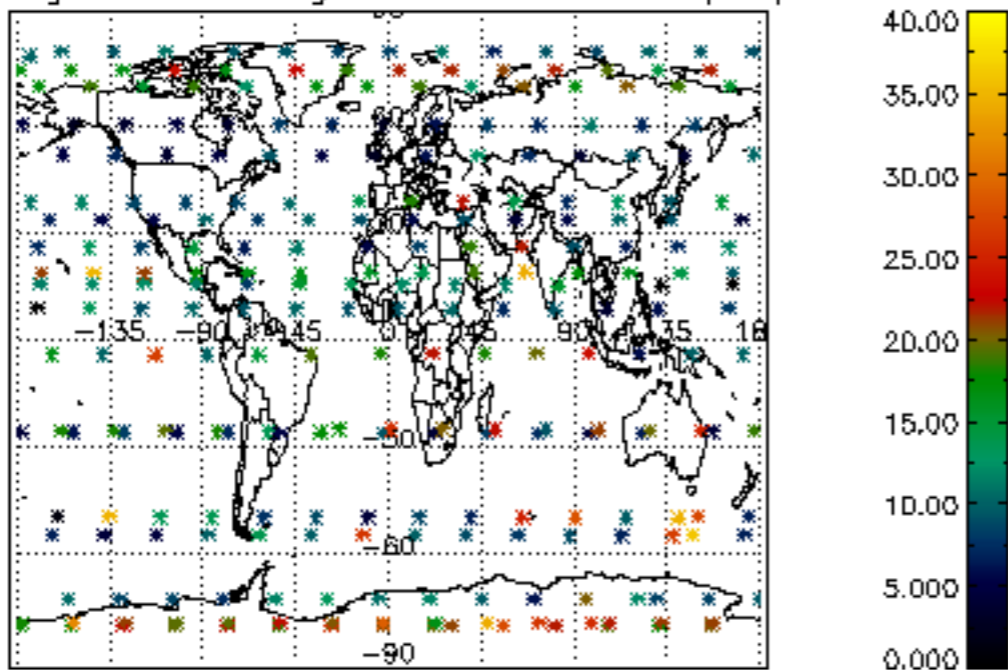
Percentage of cosmic ray hits per profile



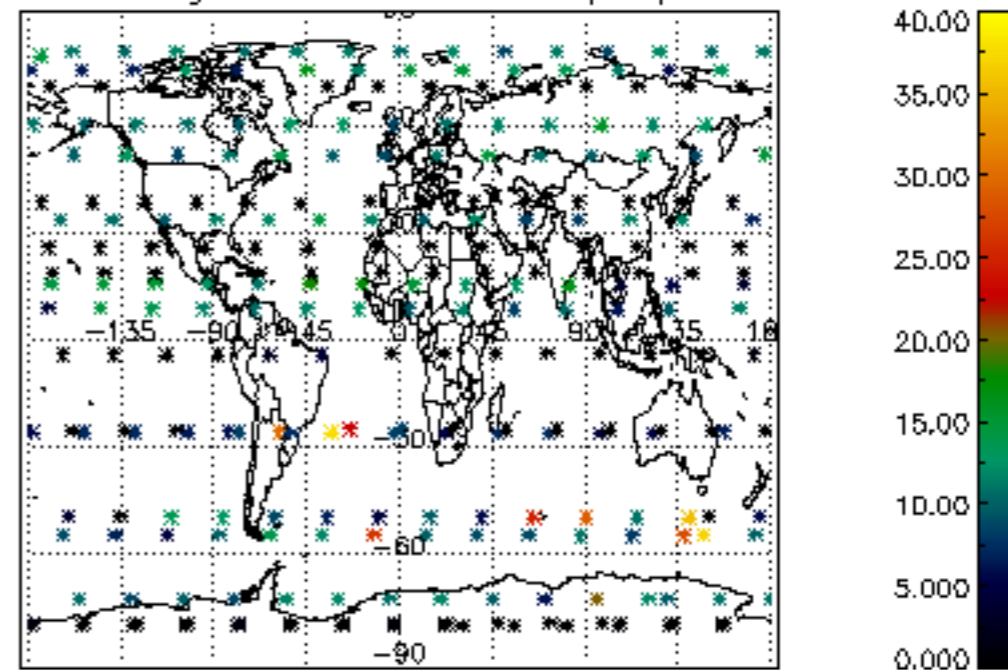
Percentage of datation errors per profile



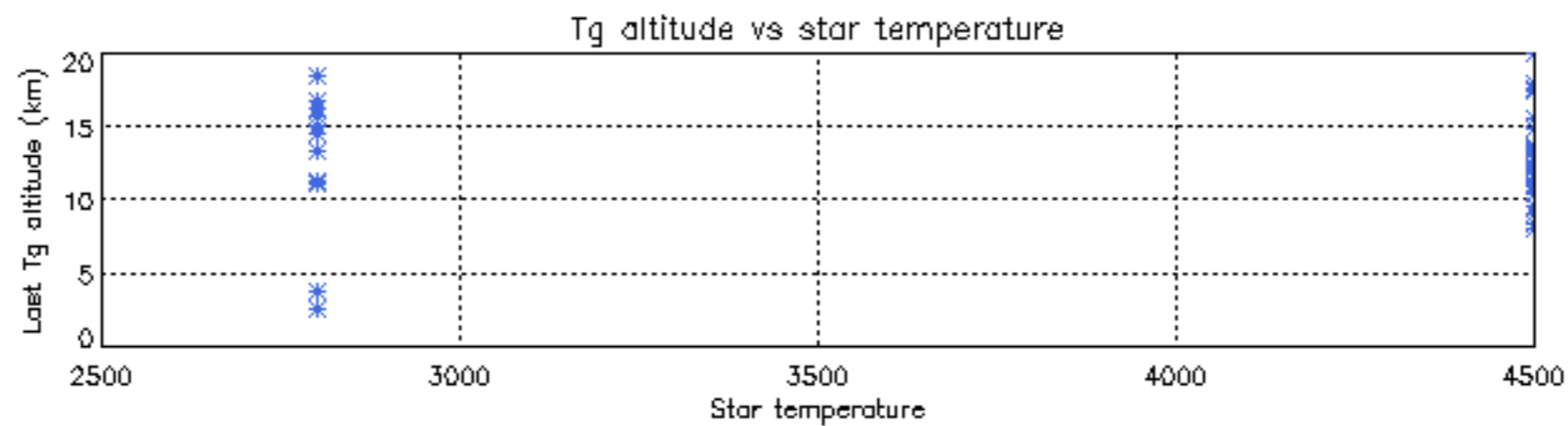
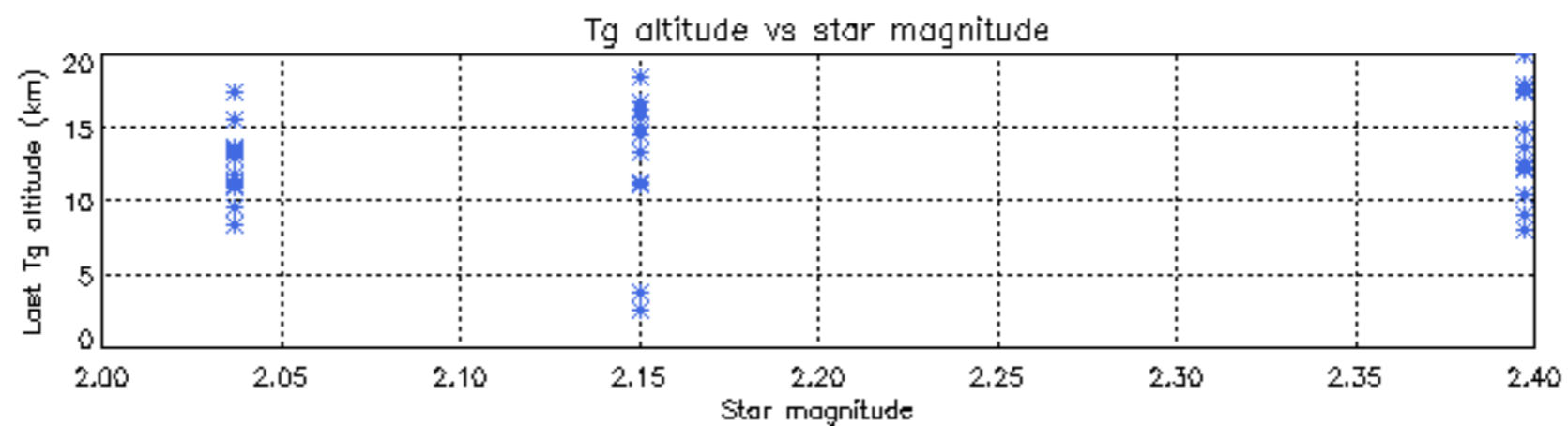
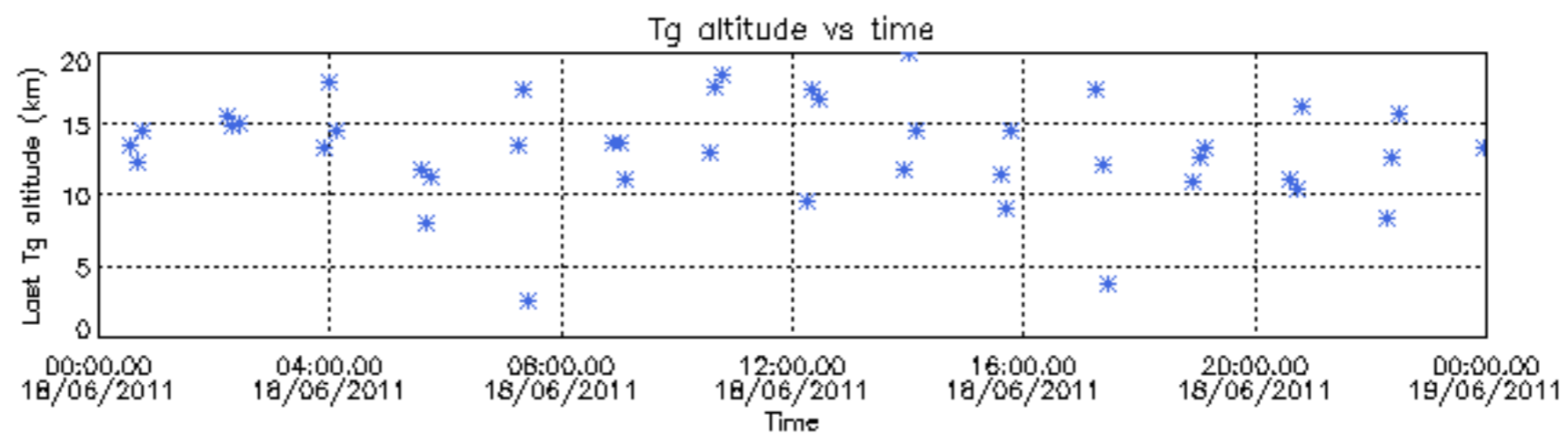
Percentage of star falling outside central band per profile



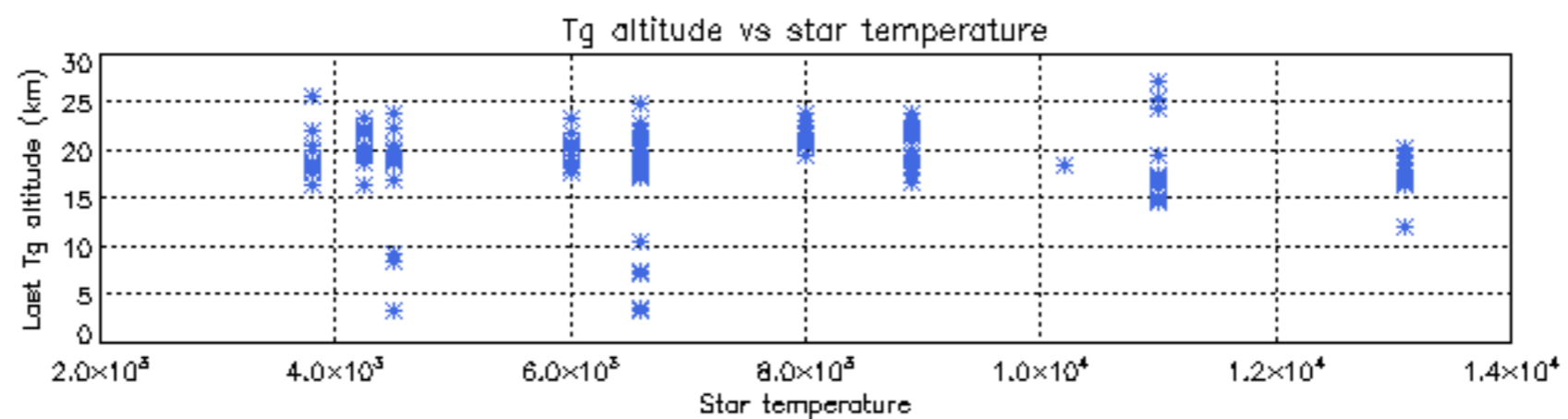
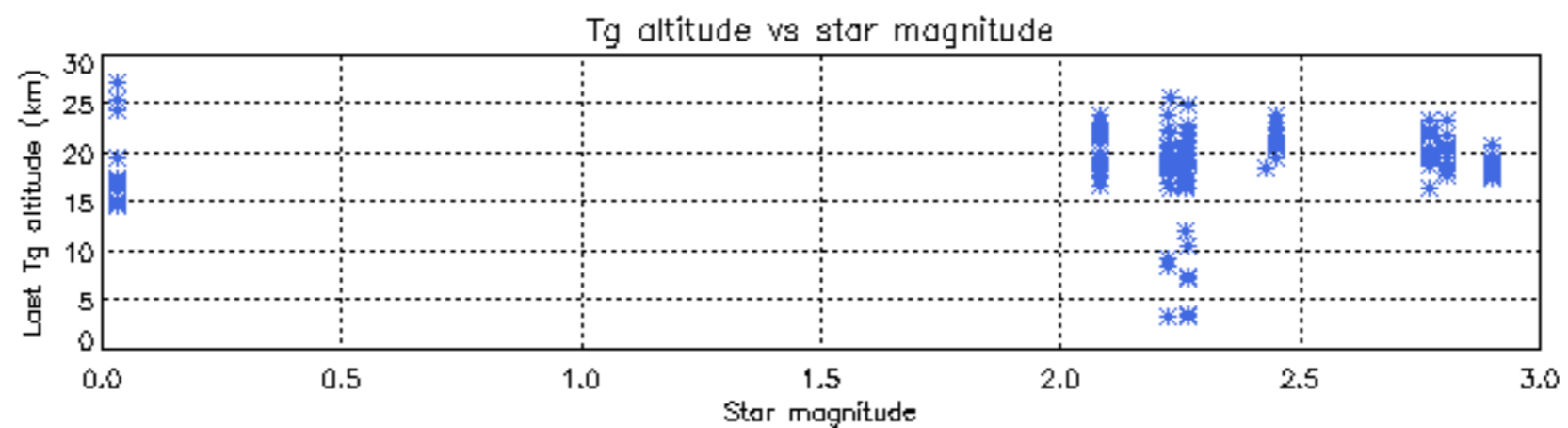
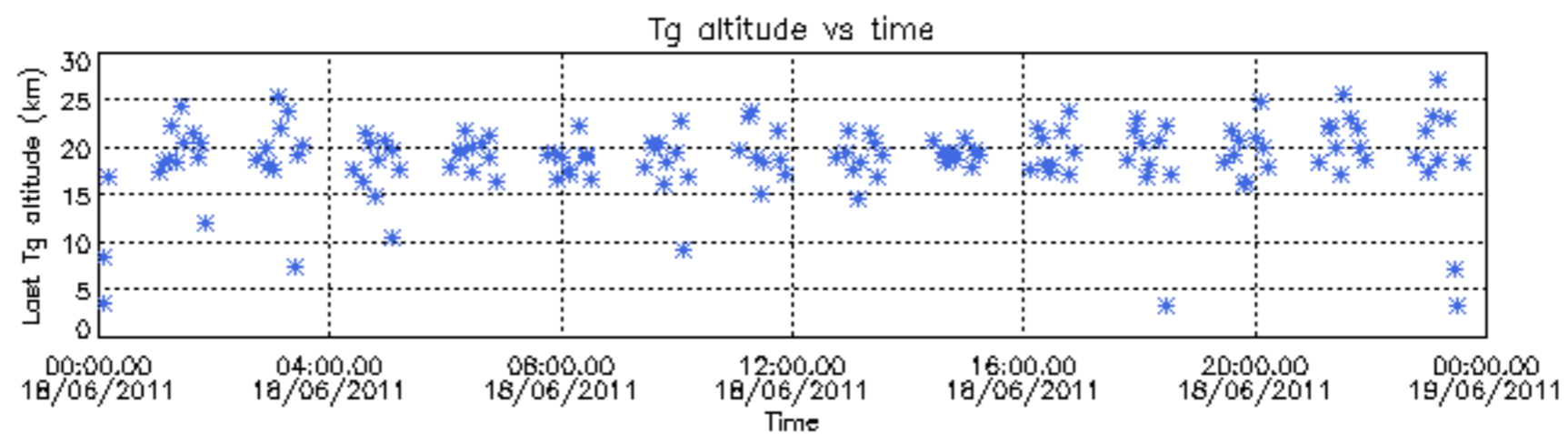
Percentage of saturation errors per profile



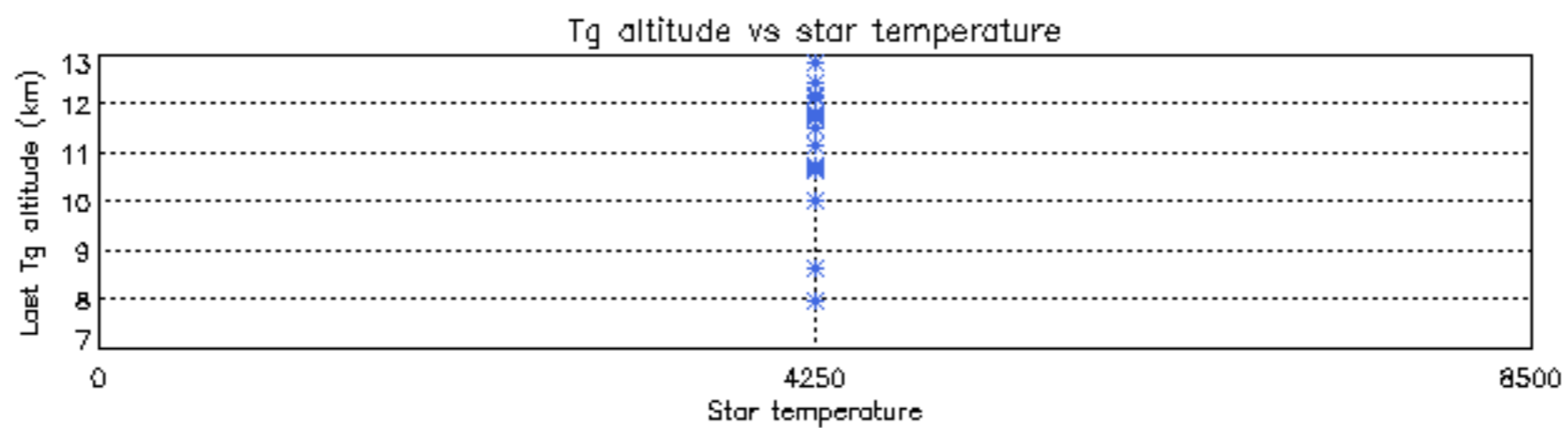
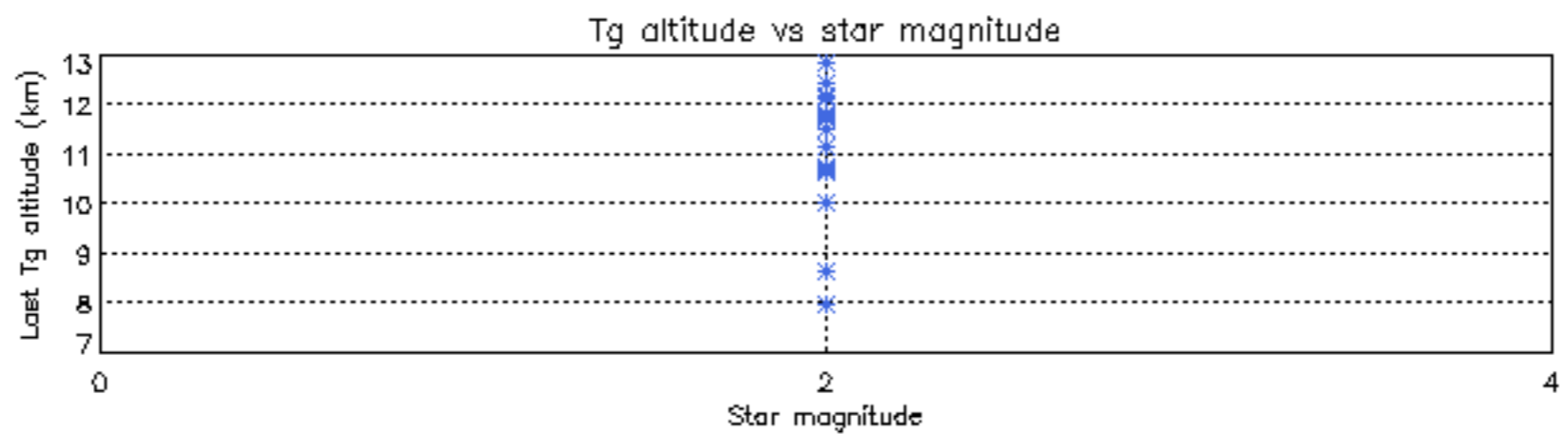
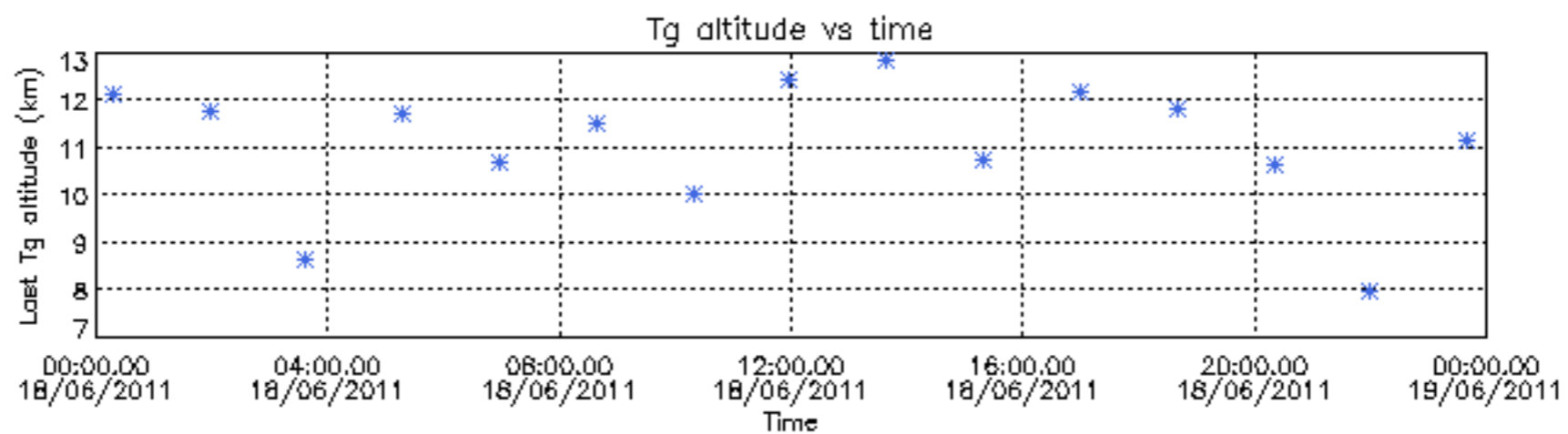
Tangent altitude at which the star is lost

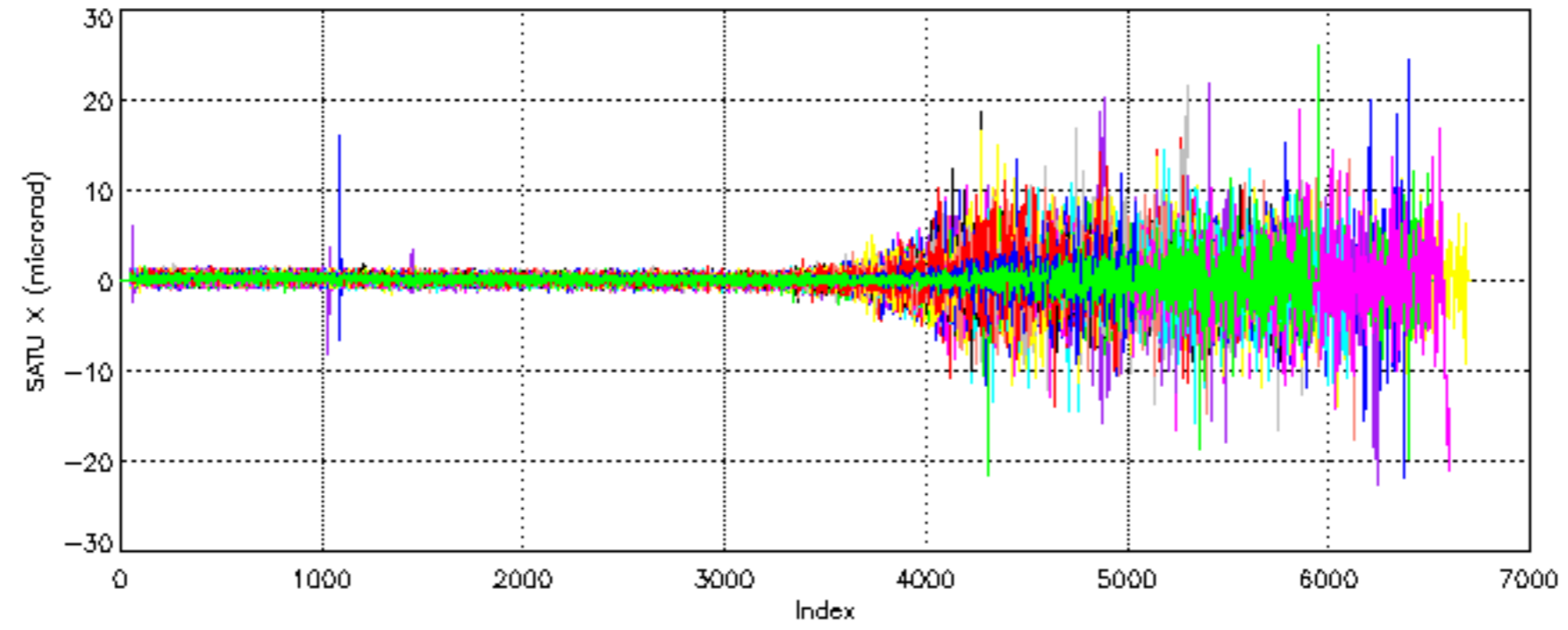


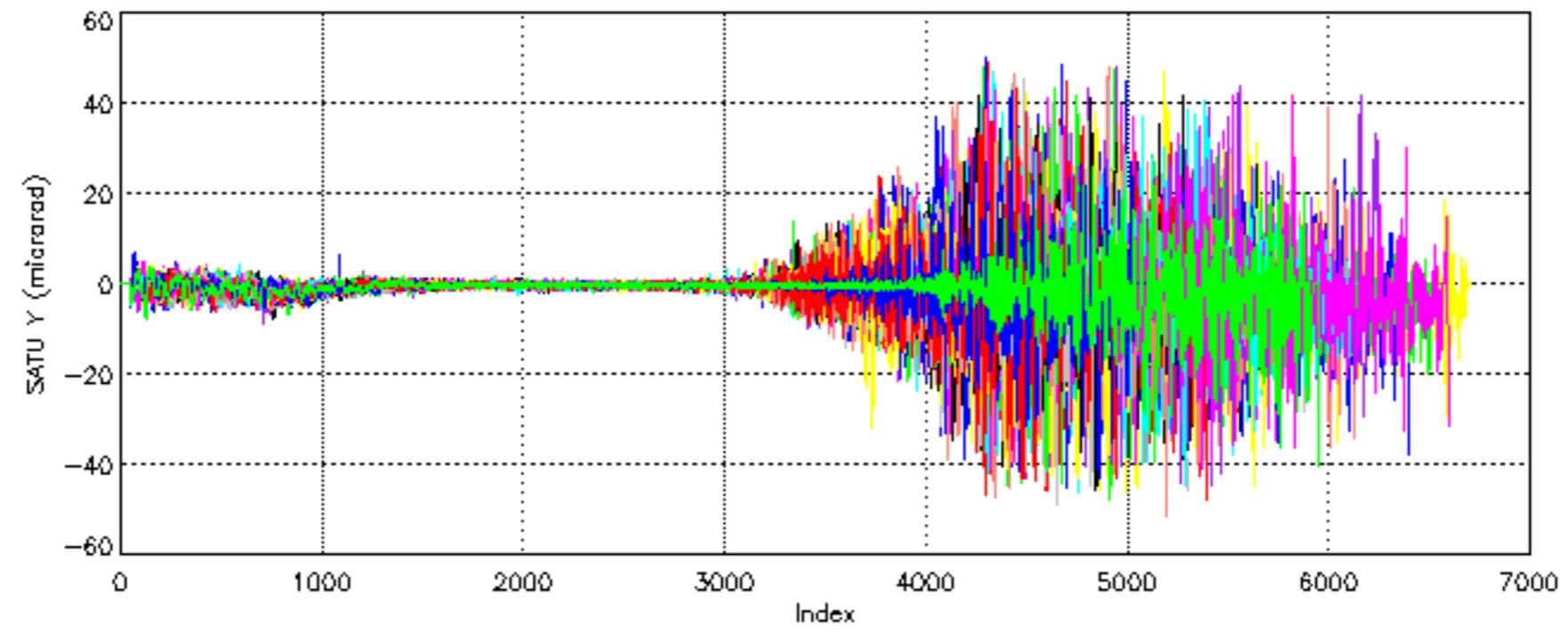
Tangent altitude at which the star is lost

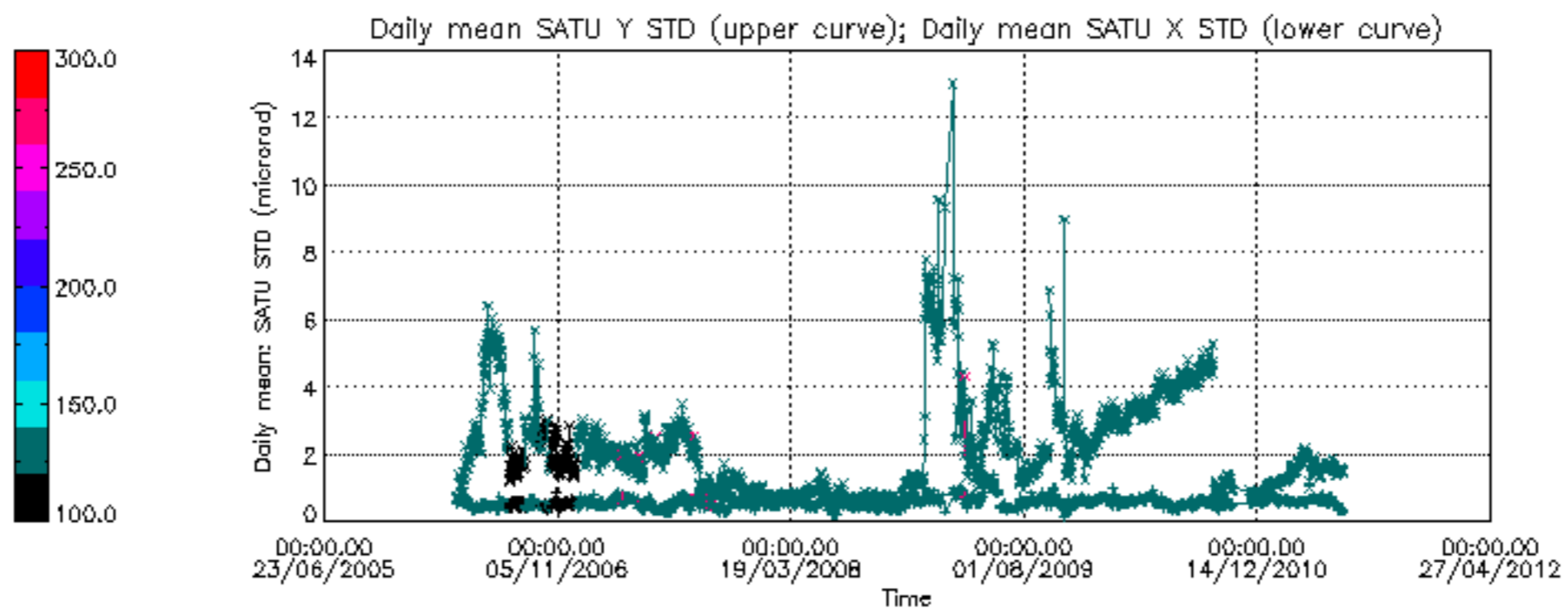


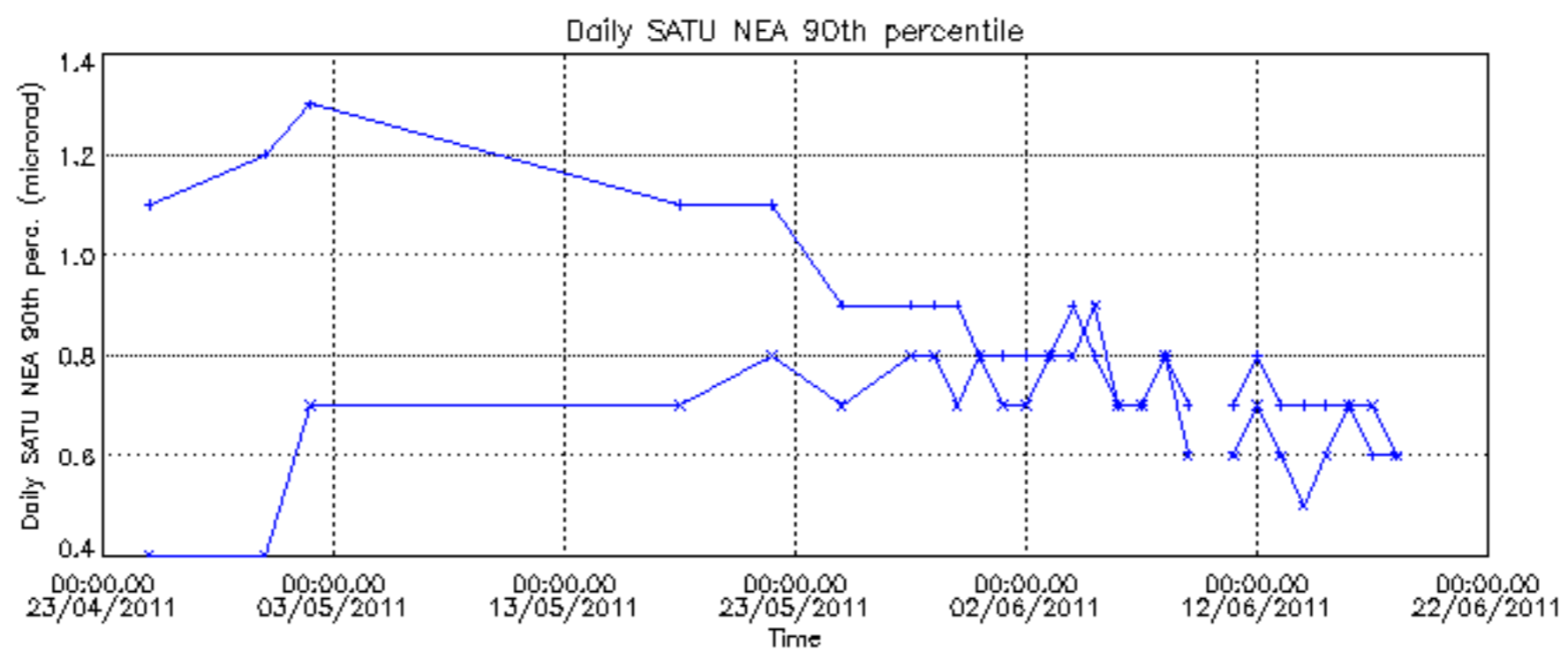
Tangent altitude at which the star is lost











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 22; 3907.9; 01-JUN-2011 02:07:46; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;48379
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 20; 2985.0; 01-JUN-2011 03:32:37; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;48380
 21; 3601.6; 01-JUN-2011 03:42:53; Bright; 16.5; 89; 5Alp Cep ; 2.45; 8000;occ; 33; 0;48380

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26;	6431.1;	17-JUN-2011	03:03:25;	Dark	;	46.0;	31;	Alp	Gru	;	1.73;	15200;	occ;	92;	0;	48610
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13; 2810.8; 24-JUN-2011 02:46:38; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48710
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3; 2665.9; 26-JUN-2011 08:11:41; Bright; 47.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 95; 0;48742
4; 2803.8; 26-JUN-2011 08:13:58; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48742
5; 3791.8; 26-JUN-2011 08:30:26; Bright; 69.0; 74; 11Bet Cas ; 2.27; 6600;occ; 138; 0;48742
6; 3888.5; 26-JUN-2011 08:32:03; Bright; 47.0; 68; 18Alp Cas ; 2.22; 4500;occ; 94; 0;48742
7; 4044.1; 26-JUN-2011 08:34:39; Bright; 38.5; 160; 23Gam Per ; 2.93; 4700;occ; 77; 0;48742
8; 4247.4; 26-JUN-2011 08:38:02; Bright; 45.5; 73; 57Gam1And ; 2.26; 13100;occ; 91; 0;48742
9; 4397.7; 26-JUN-2011 08:40:32; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;48742
10; 4638.3; 26-JUN-2011 08:44:33; Dark ; 52.5; 50; 13Alp Ari ; 2.01; 4250;occ; 105; 0;48742
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
19; 7473.1; 26-JUN-2011 09:31:48; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48743
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2; 2113.2; 26-JUN-2011 09:42:42; Bright; 40.0; 59; 55Alp Oph ; 2.08; 8900;occ; 80; 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
16; 6724.4; 26-JUN-2011 10:59:33; Dark ; 44.0; 45; Alp Pav ; 1.94; 26000;occ; 88; 0;48744
17; 7263.4; 26-JUN-2011 11:08:32; Dark ; 45.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 91; 0;48744
18; 7346.7; 26-JUN-2011 11:09:55; Dark ; 57.0; 116; 19Del Sgr ; 2.70; 4100;occ; 114; 0;48744
19; 7473.1; 26-JUN-2011 11:12:02; Bright; 47.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 94; 0;48744

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 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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 9; 4397.8; 26-JUN-2011 12:01:00; Dark ; 47.5; 173; 4Bet Tri ; 3.00; 8900;occ; 95; 0;48744
 10; 4638.7; 26-JUN-2011 12:05:01; Dark ; 55.0; 50; 13Alp Ari ; 2.01; 4250;occ; 110; 0;48744
 11; 4932.5; 26-JUN-2011 12:09:55; Dark ; 46.5; 94; 92Alp Cet ; 2.53; 3100;occ; 93; 0;48744
 12; 5438.4; 26-JUN-2011 12:18:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48744
 13; 6052.3; 26-JUN-2011 12:28:35; Dark ; 56.5; 84; Alp Phe ; 2.40; 4500;occ; 113; 0;48745
 14; 6441.2; 26-JUN-2011 12:35:04; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;48745
 15; 6560.4; 26-JUN-2011 12:37:03; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48745
 16; 6725.0; 26-JUN-2011 12:39:47; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;48745
 17; 7263.9; 26-JUN-2011 12:48:46; Dark ; 43.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 86; 0;48745
 18; 7346.7; 26-JUN-2011 12:50:09; Dark ; 48.0; 116; 19Del Sgr ; 2.70; 4100;occ; 96; 0;48745
 19; 7473.2; 26-JUN-2011 12:52:16; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48745

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 2; 2113.0; 26-JUN-2011 13:03:09; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48745
 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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 8; 4247.1; 26-JUN-2011 13:38:44; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48745
 9; 4397.7; 26-JUN-2011 13:41:14; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;48745
 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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 16; 6725.6; 26-JUN-2011 14:20:02; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48746
 17; 7264.1; 26-JUN-2011 14:29:01; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;48746
 18; 7346.9; 26-JUN-2011 14:30:23; Dark ; 49.0; 116; 19Del Sgr ; 2.70; 4100;occ; 98; 0;48746
 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
 4; 2802.6; 26-JUN-2011 14:54:53; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;48746
 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
 7; 4044.1; 26-JUN-2011 15:15:34; Bright; 37.5; 160; 23Gam Per ; 2.93; 4700;occ; 75; 0;48746
 8; 4247.0; 26-JUN-2011 15:18:57; Bright; 58.0; 73; 57Gam1And ; 2.26; 13100;occ; 116; 0;48746
 9; 4398.1; 26-JUN-2011 15:21:28; Dark ; 46.0; 173; 4Bet Tri ; 3.00; 8900;occ; 92; 0;48746
 10; 4639.5; 26-JUN-2011 15:25:30; Dark ; 54.0; 50; 13Alp Ari ; 2.01; 4250;occ; 108; 0;48746
 11; 4933.5; 26-JUN-2011 15:30:24; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;48746
 12; 5440.0; 26-JUN-2011 15:38:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48746
 13; 6054.2; 26-JUN-2011 15:49:05; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;48747
 14; 6443.2; 26-JUN-2011 15:55:33; Dark ; 56.0; 63; Bet Gru ; 2.15; 2800;occ; 112; 0;48747
 15; 6562.5; 26-JUN-2011 15:57:33; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;48747
 16; 6725.9; 26-JUN-2011 16:00:16; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;48747
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 2; 1333.3; 26-JUN-2011 16:10:38; Dark ; 51.0; 116; 19Del Sgr ; 2.70; 4100;occ; 102; 0;48747
 3; 1459.6; 26-JUN-2011 16:12:44; Bright; 48.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 96; 0;48747
 4; 1971.7; 26-JUN-2011 16:21:16; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48747
 5; 2112.7; 26-JUN-2011 16:23:37; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;48747
 6; 2662.8; 26-JUN-2011 16:32:47; Bright; 46.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 93; 0;48747
 7; 2802.6; 26-JUN-2011 16:35:07; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;48747
 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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 15; 5440.8; 26-JUN-2011 17:19:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48747
 16; 6055.1; 26-JUN-2011 17:29:19; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;48748
 17; 6444.2; 26-JUN-2011 17:35:49; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;48748
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 19; 6726.6; 26-JUN-2011 17:40:31; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;48748

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 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
 6; 2662.2; 26-JUN-2011 18:13:01; Bright; 43.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 86; 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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 8; 3788.3; 26-JUN-2011 20:12:01; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;48749
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 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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 15; 5442.3; 26-JUN-2011 20:39:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48749
 16; 6057.3; 26-JUN-2011 20:49:50; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;48750
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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
 19; 6727.4; 26-JUN-2011 21:01:00; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;48750

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 4; 552.8; 27-JUN-2011 00:18:47; Dark ; 50.5; 31; Alp Gru ; 1.73; 15200;occ; 101; 0;48752
 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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 9; 1971.2; 27-JUN-2011 00:42:26; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48752
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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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12; 716.2; 27-JUN-2011 05:22:13; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48755
13; 1252.6; 27-JUN-2011 05:31:09; Dark ; 45.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 90; 0;48755
14; 1335.2; 27-JUN-2011 05:32:31; Dark ; 57.0; 116; 19Del Sgr ; 2.70; 4100;occ; 114; 0;48755
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3; 1463.2; 27-JUN-2011 20:36:45; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48764
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8; 3347.8; 27-JUN-2011 21:08:10; Bright; 48.0; 89; 5Alp Cep ; 2.45; 8000;occ; 96; 0;48764

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13; 4399.3; 27-JUN-2011 21:25:42; Dark ; 46.5; 173; 4Bet Tri ; 3.00; 8900;occ; 93; 0;48764
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6; 1255.4; 27-JUN-2011 22:13:32; Dark ; 41.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 82; 0;48765
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9; 1970.6; 27-JUN-2011 22:25:27; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;48765
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12; 2799.0; 27-JUN-2011 22:39:15; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;48765
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14; 3780.1; 28-JUN-2011 00:35:50; Bright; 69.0; 74; 11Bet Cas ; 2.27; 6600;occ; 138; 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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9; 49.2; 27-JUN-2011 06:51:20; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;48756
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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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 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
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 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
 18; 7267.3; 27-JUN-2011 10:31:52; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;48758
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 6; 3784.1; 27-JUN-2011 11:14:02; Bright; 51.5; 74; 11Bet Cas ; 2.27; 6600;occ; 103; 0;48758
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 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
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16; 6574.1; 27-JUN-2011 13:40:46; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;48760
17; 6732.7; 27-JUN-2011 13:43:25; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48760
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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
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13; 5451.0; 27-JUN-2011 15:02:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48760
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17; 6733.2; 27-JUN-2011 15:23:39; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 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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9; 4043.6; 27-JUN-2011 16:19:04; Bright; 35.5; 160; 23Gam Per ; 2.93; 4700;occ; 71; 0;48761
10; 4246.4; 27-JUN-2011 16:22:27; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48761
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13; 4938.9; 27-JUN-2011 16:33:59; Dark ; 50.5; 94; 92Alp Cet ; 2.53; 3100;occ; 101; 0;48761
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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
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13; 4399.3; 27-JUN-2011 19:45:28; Dark ; 48.0; 173; 4Bet Tri ; 3.00; 8900;occ; 96; 0;48763
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14; 6079.6; 28-JUN-2011 11:15:34; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;48773
15; 6468.2; 28-JUN-2011 11:22:02; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;48773
16; 6586.1; 28-JUN-2011 11:24:00; Dark ; 53.0; 31; Alp Gru ; 1.73; 15200;occ; 106; 0;48773
17; 6739.2; 28-JUN-2011 11:26:33; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;48773
18; 7271.4; 28-JUN-2011 11:35:26; Dark ; 45.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 90; 0;48773
19; 7353.7; 28-JUN-2011 11:36:48; Dark ; 50.0; 116; 19Del Sgr ; 2.70; 4100;occ; 100; 0;48773
20; 7478.8; 28-JUN-2011 11:38:53; Bright; 45.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 90; 0;48773
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2; 2110.6; 28-JUN-2011 11:49:39; Bright; 36.5; 59; 55Alp Oph ; 2.08; 8900;occ; 73; 0;48773
3; 2648.8; 28-JUN-2011 11:58:37; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48773
4; 2797.5; 28-JUN-2011 12:01:06; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;48773
5; 3341.5; 28-JUN-2011 12:10:09; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;48773
6; 3776.9; 28-JUN-2011 12:17:25; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;48773
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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
17; 6739.7; 28-JUN-2011 13:06:48; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48774
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3; 2648.2; 28-JUN-2011 13:38:50; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48774
4; 2797.4; 28-JUN-2011 13:41:19; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48774
5; 3341.0; 28-JUN-2011 13:50:23; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;48774
6; 3776.0; 28-JUN-2011 13:57:38; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48774
7; 3875.5; 28-JUN-2011 13:59:17; Bright; 48.5; 68; 18Alp Cas ; 2.22; 4500;occ; 97; 0;48774
8; 4043.2; 28-JUN-2011 14:02:05; Bright; 37.5; 160; 23Gam Per ; 2.93; 4700;occ; 75; 0;48774
9; 4245.7; 28-JUN-2011 14:05:28; Bright; 48.0; 73; 57Gam1And ; 2.26; 13100;occ; 96; 0;48774
10; 4400.2; 28-JUN-2011 14:08:02; Dark ; 49.5; 173; 4Bet Tri ; 3.00; 8900;occ; 99; 0;48774
11; 4647.8; 28-JUN-2011 14:12:10; Dark ; 55.0; 50; 13Alp Ari ; 2.01; 4250;occ; 110; 0;48774
12; 4943.8; 28-JUN-2011 14:17:06; Dark ; 48.5; 94; 92Alp Cet ; 2.53; 3100;occ; 97; 0;48774
13; 5462.4; 28-JUN-2011 14:25:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48774
14; 6081.8; 28-JUN-2011 14:36:04; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;48775
15; 6470.3; 28-JUN-2011 14:42:32; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;48775
16; 6587.8; 28-JUN-2011 14:44:30; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;48775
17; 6740.3; 28-JUN-2011 14:47:02; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;48775
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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
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 15; 5463.3; 28-JUN-2011 16:05:59; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48775
 16; 6082.7; 28-JUN-2011 16:16:19; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;48776
 17; 6471.5; 28-JUN-2011 16:22:47; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;48776
 18; 6589.0; 28-JUN-2011 16:24:45; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;48776
 19; 6740.9; 28-JUN-2011 16:27:17; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;48776

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 3; 1465.4; 28-JUN-2011 16:39:35; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48776
 4; 1970.4; 28-JUN-2011 16:48:00; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48776
 5; 2110.1; 28-JUN-2011 16:50:20; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;48776
 6; 2647.3; 28-JUN-2011 16:59:17; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;48776
 7; 2797.0; 28-JUN-2011 17:01:47; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;48776
 8; 3339.4; 28-JUN-2011 17:10:49; Bright; 47.5; 89; 5Alp Cep ; 2.45; 8000;occ; 95; 0;48776
 9; 3775.3; 28-JUN-2011 17:18:05; Bright; 51.0; 74; 11Bet Cas ; 2.27; 6600;occ; 102; 0;48776
 10; 3874.9; 28-JUN-2011 17:19:45; Bright; 49.0; 68; 18Alp Cas ; 2.22; 4500;occ; 98; 0;48776
 11; 4043.1; 28-JUN-2011 17:22:33; Bright; 41.0; 160; 23Gam Per ; 2.93; 4700;occ; 82; 0;48776
 12; 4245.7; 28-JUN-2011 17:25:56; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;48776
 13; 4400.0; 28-JUN-2011 17:28:30; Dark ; 50.0; 173; 4Bet Tri ; 3.00; 8900;occ; 100; 0;48776
 14; 4648.3; 28-JUN-2011 17:32:38; Dark ; 59.5; 50; 13Alp Ari ; 2.01; 4250;occ; 119; 0;48776
 15; 4944.8; 28-JUN-2011 17:37:35; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;48776
 16; 5464.1; 28-JUN-2011 17:46:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;48776
 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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 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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 7; 2796.6; 28-JUN-2011 18:42:01; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;48777
 8; 3338.8; 28-JUN-2011 18:51:03; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;48777
 9; 3774.8; 28-JUN-2011 18:58:19; Bright; 53.5; 74; 11Bet Cas ; 2.27; 6600;occ; 107; 0;48777
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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
 12; 4245.4; 28-JUN-2011 19:06:09; Bright; 43.0; 73; 57Gam1And ; 2.26; 13100;occ; 86; 0;48777
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 15; 4945.0; 28-JUN-2011 19:17:49; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;48777
 16; 5464.9; 28-JUN-2011 19:26:29; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;48777
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 18; 6473.3; 28-JUN-2011 19:43:17; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;48778
 19; 6590.7; 28-JUN-2011 19:45:15; Dark ; 48.0; 31; Alp Gru ; 1.73; 15200;occ; 96; 0;48778
 20; 6741.5; 28-JUN-2011 19:47:46; Dark ; 47.5; 45; Alp Pav ; 1.94; 26000;occ; 95; 0;48778

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 3; 462.1; 29-JUN-2011 00:44:02; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;48781
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 6; 1259.5; 29-JUN-2011 00:57:19; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;48781
 7; 1341.6; 29-JUN-2011 00:58:41; Dark ; 49.5; 116; 19Del Sgr ; 2.70; 4100;occ; 99; 0;48781
 8; 1466.4; 29-JUN-2011 01:00:46; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;48781
 9; 1970.1; 29-JUN-2011 01:09:10; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;48781
 10; 2109.6; 29-JUN-2011 01:11:30; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;48781
 11; 2226.9; 29-JUN-2011 01:13:27; Bright; 33.0; 168; 17Zet Aql ; 2.99; 11000;occ; 66; 0;48781
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 13; 2795.9; 29-JUN-2011 01:22:56; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;48781
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 15; 3772.7; 29-JUN-2011 01:39:13; Bright; 70.0; 74; 11Bet Cas ; 2.27; 6600;occ; 140; 0;48781

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17; 4042.7; 29-JUN-2011 01:43:43; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;48781
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19; 4400.2; 29-JUN-2011 01:49:40; Dark ; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;48781
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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
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10; 2226.4; 29-JUN-2011 02:53:40; Bright; 39.0; 168; 17Zet Aql ; 2.99; 11000;occ; 78; 0;48782
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13; 3335.3; 29-JUN-2011 03:12:09; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;48782
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 3;-1971.4; 29-JUN-2011 03:23:56; Bright; 43.5; 160; 23Gam Per ; 2.93; 4700;occ; 87; 0;48782
 4;-1769.0; 29-JUN-2011 03:27:19; Bright; 55.5; 73; 57Gam1And ; 2.26; 13100;occ; 111; 0;48782
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12; 730.4; 29-JUN-2011 04:08:58; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;48783
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13; 1300.7; 29-JUN-2011 05:58:43; Dark ; 45.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 91; 0;48784
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16; 2109.8; 29-JUN-2011 06:12:12; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;48784
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12; 4042.1; 29-JUN-2011 21:46:30; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;48793
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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4; 591.2; 29-JUN-2011 22:29:13; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 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
11; 583.0; 29-JUN-2011 07:26:59; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 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
6; 3333.5; 29-JUN-2011 08:12:49; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;48785
7; 3770.6; 29-JUN-2011 08:20:07; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;48785
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19; 7315.7; 29-JUN-2011 09:19:12; Dark ; 47.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 95; 0;48786
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6; 2914.0; 29-JUN-2011 13:06:32; Bright; 33.0; 144; 18Del Cyg ; 2.86; 11000;occ; 66; 0;48788
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13; 1305.5; 30-JUN-2011 07:02:17; Dark ; 46.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 92; 0;48799
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8; 3763.5; 30-JUN-2011 07:43:15; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;48799
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 9; 3856.0; 30-JUN-2011 09:25:02; Bright; 40.5; 110; 37Del Cas ; 2.68; 8900;occ; 81; 0;48800
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 8; 3762.4; 30-JUN-2011 11:03:42; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;48801
 9; 3855.7; 30-JUN-2011 11:05:15; Bright; 41.0; 110; 37Del Cas ; 2.68; 8900;occ; 82; 0;48801
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 1; 1471.3; 30-JUN-2011 17:06:27; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;48805
 2; 1969.7; 30-JUN-2011 17:14:45; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;48805
 3; 2109.0; 30-JUN-2011 17:17:05; Bright; 36.5; 59; 55Alp Oph ; 2.08; 8900;occ; 73; 0;48805
 4; 2214.1; 30-JUN-2011 17:18:50; Bright; 47.0; 168; 17Zet Aql ; 2.99; 11000;occ; 94; 0;48805
 5; 2633.0; 30-JUN-2011 17:25:49; Bright; 47.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 95; 0;48805
 6; 2792.5; 30-JUN-2011 17:28:28; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;48805
 7; 2899.6; 30-JUN-2011 17:30:15; Bright; 47.5; 144; 18Del Cyg ; 2.86; 11000;occ; 95; 0;48805
 8; 3320.3; 30-JUN-2011 17:37:16; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;48805
 9; 3760.4; 30-JUN-2011 17:44:36; Bright; 68.0; 74; 11Bet Cas ; 2.27; 6600;occ; 136; 0;48805
10; 3854.5; 30-JUN-2011 17:46:10; Bright; 45.0; 110; 37Del Cas ; 2.68; 8900;occ; 90; 0;48805

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 12; 4145.4; 30-JUN-2011 17:51:01; Bright; 54.0; 175; 39Del Per ; 3.01; 19400;occ; 108; 0;48805
 13; 4243.7; 30-JUN-2011 17:52:39; Bright; 49.5; 73; 57Gam1And ; 2.26; 13100;occ; 99; 0;48805
 14; 4402.2; 30-JUN-2011 17:55:18; Dark ; 50.5; 173; 4Bet Tri ; 3.00; 8900;occ; 101; 0;48805
 15; 4657.7; 30-JUN-2011 17:59:33; Dark ; 58.0; 50; 13Alp Ari ; 2.01; 4250;occ; 116; 0;48805
 16; 4956.7; 30-JUN-2011 18:04:32; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;48805
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 18; 6113.3; 30-JUN-2011 18:23:49; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;48806
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 15; 4402.2; 30-JUN-2011 19:35:32; Dark ; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;48806
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