

# GOMOS Daily Report 16-AUG-2011

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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	19AUG2011 07:07:14
Data source version	GOMOS/6.01
Start time of products	16AUG2011 00:03:14
Stop time of products	16AUG2011 23:54:34
Store outputs in DB	Yes
Nb of level 1b prods	309
Nb of prods with errors	4

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

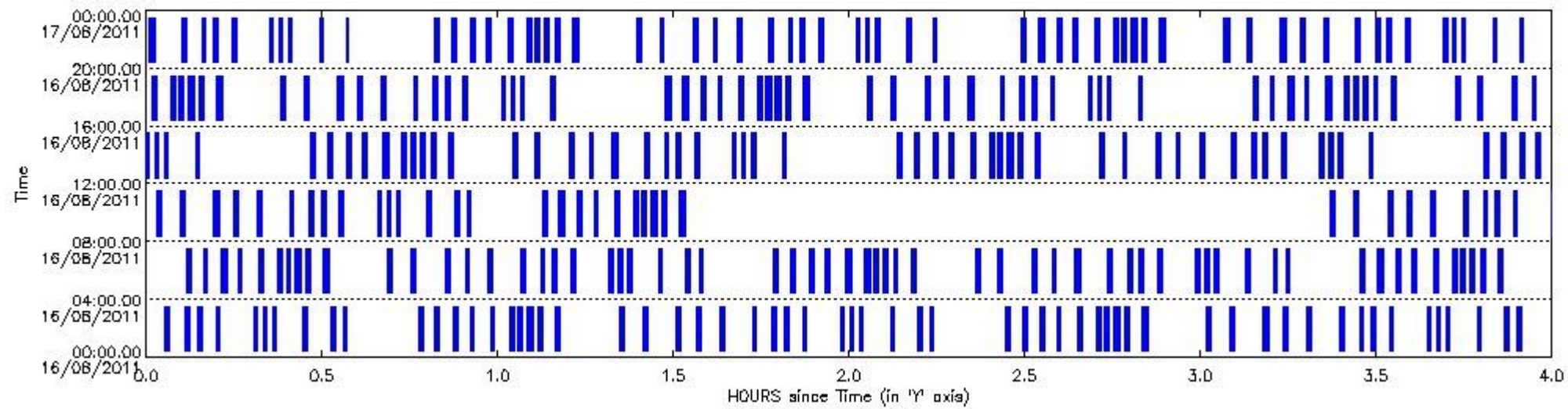
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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)

No missing products.

### 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_1PNPDE20110816_000314_000000443105_00318_49470_5202.N1	16-AUG-2011 00:03:14	Bright	44.000	142	49Del Cap	2.8500	8900.0	88	49470	No
2	GOM_TRA_1PNPDE20110816_000639_000000423105_00318_49470_5203.N1	16-AUG-2011 00:06:39	Bright	42.000	154	22Bet Aqr	2.8990	5700.0	84	49470	No
3	GOM_TRA_1PNPDE20110816_000839_000000483105_00318_49470_5204.N1	16-AUG-2011 00:08:39	Bright	48.000	162	34Alp Aqr	2.9440	5350.0	96	49470	No
4	GOM_TRA_1PNPDE20110816_001149_000000443105_00318_49470_5205.N1	16-AUG-2011 00:11:49	Bright	43.500	61	8Eps Peg	2.1000	3900.0	87	49470	No
5	GOM_TRA_1PNPDE20110816_001818_000000373105_00318_49470_5206.N1	16-AUG-2011 00:18:18	Bright	36.500	92	53Eps Cyg	2.5000	4500.0	73	49470	No
6	GOM_TRA_1PNPDE20110816_001954_000000373105_00318_49470_5207.N1	16-AUG-2011 00:19:54	Bright	36.500	66	37Gam Cyg	2.2080	5900.0	73	49470	No
7	GOM_TRA_1PNPDE20110816_002129_000000363105_00318_49470_5208.N1	16-AUG-2011 00:21:29	Bright	35.500	19	50Alp Cyg	1.2460	10500.	71	49470	No
8	GOM_TRA_1PNPDE20110816_002648_000000403105_00318_49470_5209.N1	16-AUG-2011 00:26:48	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	49470	No
9	GOM_TRA_1PNPDE20110816_003129_000000473105_00318_49470_5210.N1	16-AUG-2011 00:31:29	Bright	47.000	74	11Bet Cas	2.2680	6600.0	94	49470	No
10	GOM_TRA_1PNPDE20110816_003342_000000333105_00318_49470_5211.N1	16-AUG-2011 00:33:42	Twilight	33.000	76	27Gam Cas	2.3000	30000.	66	49470	No
11	GOM_TRA_1PNPDE20110816_004622_000000503105_00318_49470_5212.N1	16-AUG-2011 00:46:22	Bright	50.000	6	13Alp Aur	0.080000	3400.0	100	49470	No
12	GOM_TRA_1PNPDE20110816_004918_000000413105_00318_49470_5213.N1	16-AUG-2011 00:49:18	Bright	40.500	107	37The Aur	2.6490	11000.	81	49470	No

13	GOM_TRA_1PNPDE20110816_005224_000000543105_00318_49470_5214.N1	16-AUG-2011 00:52:24	Twilight	53.500	28	12Bet Tau	1.6500	15200.	107	49470	No
14	GOM_TRA_1PNPDE20110816_005513_000000443105_00318_49470_5215.N1	16-AUG-2011 00:55:13	Twilight	44.000	44	24Gam Gem	1.9280	11000.	88	49470	No
15	GOM_TRA_1PNPDE20110816_005845_000000443105_00318_49470_5216.N1	16-AUG-2011 00:58:45	Dark	44.000	14	58Alp Ori	0.87000	3000.0	88	49470	No
16	GOM_TRA_1PNPDE20110816_010157_000000523105_00318_49470_5217.N1	16-AUG-2011 01:01:57	Dark	52.000	30	46Eps Ori	1.6940	30000.	104	49470	No
17	GOM_TRA_1PNPDE20110816_010323_000000483105_00318_49470_5218.N1	16-AUG-2011 01:03:23	Dark	47.500	125	44Iot Ori	2.7700	30000.	95	49470	No
18	GOM_TRA_1PNPDE20110816_010458_000000603105_00318_49470_5236.N1	16-AUG-2011 01:04:58	Dark	59.500	7	19Bet Ori	0.10000	14000.	119	49470	Yes
19	GOM_TRA_1PNPDE20110816_010649_000000483105_00318_49470_5237.N1	16-AUG-2011 01:06:49	Dark	47.500	101	11Alp Lep	2.5820	7000.0	95	49470	No
20	GOM_TRA_1PNPDE20110816_012043_000000523105_00319_49471_5238.N1	16-AUG-2011 01:20:43	Dark	51.500	157	The1Eri	2.9060	9300.0	103	49471	No
21	GOM_TRA_1PNPDE20110816_012443_000000473105_00319_49471_5239.N1	16-AUG-2011 01:24:43	Dark	47.000	9	Alp Eri	0.45300	24000.	94	49471	No
22	GOM_TRA_1PNPDE20110816_013027_000000553105_00319_49471_5240.N1	16-AUG-2011 01:30:27	Straylight	54.500	84	Alp Phe	2.3970	4500.0	109	49471	No
23	GOM_TRA_1PNPDE20110816_013356_000000413105_00319_49471_5241.N1	16-AUG-2011 01:33:56	Straylight	41.000	31	Alp Gru	1.7340	15200.	82	49471	No
24	GOM_TRA_1PNPDE20110816_013752_000000543105_00319_49471_5242.N1	16-AUG-2011 01:37:52	Twilight	54.000	18	24Alp PsA	1.1660	9700.0	108	49471	No
25	GOM_TRA_1PNPDE20110816_014327_000000463105_00319_49471_5243.N1	16-AUG-2011 01:43:27	Bright	46.000	142	49Del Cap	2.8500	8900.0	92	49471	No
26	GOM_TRA_1PNPDE20110816_014653_000000433105_00319_49471_5244.N1	16-AUG-2011 01:46:53	Bright	42.500	154	22Bet Aqr	2.8990	5700.0	85	49471	No
27	GOM_TRA_1PNPDE20110816_014852_000000483105_00319_49471_5245.N1	16-AUG-2011 01:48:52	Bright	48.000	162	34Alp Aqr	2.9440	5350.0	96	49471	No
28	GOM_TRA_1PNPDE20110816_015202_000000443105_00319_49471_5246.N1	16-AUG-2011 01:52:02	Bright	44.000	61	8Eps Peg	2.1000	3900.0	88	49471	No
29	GOM_TRA_1PNPDE20110816_015832_000000403105_00319_49471_5247.N1	16-AUG-2011 01:58:32	Bright	39.500	92	53Eps Cyg	2.5000	4500.0	79	49471	No
30	GOM_TRA_1PNPDE20110816_020008_000000383105_00319_49471_5248.N1	16-AUG-2011 02:00:08	Bright	38.000	66	37Gam Cyg	2.2080	5900.0	76	49471	No
31	GOM_TRA_1PNPDE20110816_020143_000000393105_00319_49471_5249.N1	16-AUG-2011 02:01:43	Bright	38.500	19	50Alp Cyg	1.2460	10500.	77	49471	No
32	GOM_TRA_1PNPDE20110816_020702_000000393105_00319_49471_5250.N1	16-AUG-2011 02:07:02	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	49471	No
33	GOM_TRA_1PNPDE20110816_021142_000000503105_00319_49471_5251.N1	16-AUG-2011 02:11:42	Bright	49.500	74	11Bet Cas	2.2680	6600.0	99	49471	No
34	GOM_TRA_1PNPDE20110816_021355_000000333105_00319_49471_5252.N1	16-AUG-2011 02:13:55	Twilight	33.000	76	27Gam Cas	2.3000	30000.	66	49471	No
35	GOM_TRA_1PNPDE20110816_022636_000000483105_00319_49471_5253.N1	16-AUG-2011 02:26:36	Bright	47.500	6	13Alp Aur	0.080000	3400.0	95	49471	No
36	GOM_TRA_1PNPDE20110816_022932_000000593105_00319_49471_5254.N1	16-AUG-2011 02:29:32	Bright	59.000	107	37The Aur	2.6490	11000.	118	49471	No
37	GOM_TRA_1PNPDE20110816_023238_000000503105_00319_49471_5255.N1	16-AUG-2011 02:32:38	Twilight	50.000	28	12Bet Tau	1.6500	15200.	100	49471	No
38	GOM_TRA_1PNPDE20110816_023528_000000443105_00319_49471_5256.N1	16-AUG-2011 02:35:28	Twilight	43.500	44	24Gam Gem	1.9280	11000.	87	49471	No
39	GOM_TRA_1PNPDE20110816_023859_000000553105_00319_49471_5257.N1	16-AUG-2011 02:38:59	Dark	54.500	14	58Alp Ori	0.87000	3000.0	109	49471	No
40	GOM_TRA_1PNPDE20110816_024212_000000533105_00319_49471_5258.N1	16-AUG-2011 02:42:12	Dark	52.500	30	46Eps Ori	1.6940	30000.	105	49471	No
41	GOM_TRA_1PNPDE20110816_024337_000000483105_00319_49471_5259.N1	16-AUG-2011 02:43:37	Dark	48.000	125	44Iot Ori	2.7700	30000.	96	49471	No
42	GOM_TRA_1PNPDE20110816_024513_000000573105_00319_49471_5260.N1	16-AUG-2011 02:45:13	Dark	57.000	7	19Bet Ori	0.10000	14000.	114	49471	No
43	GOM_TRA_1PNPDE20110816_024704_000000493105_00319_49471_5261.N1	16-AUG-2011 02:47:04	Dark	48.500	101	11Alp Lep	2.5820	7000.0	97	49471	No
44	GOM_TRA_1PNPDE20110816_030058_000000523105_00320_49472_5262.N1	16-AUG-2011 03:00:58	Dark	52.000	157	The1Eri	2.9060	9300.0	104	49472	No
45	GOM_TRA_1PNPDE20110816_030458_000000443105_00320_49472_5263.N1	16-AUG-2011 03:04:58	Dark	44.000	9	Alp Eri	0.45300	24000.	88	49472	No
46	GOM_TRA_1PNPDE20110816_031042_000000553105_00320_49472_5264.N1	16-AUG-2011 03:10:42	Straylight	55.000	84	Alp Phe	2.3970	4500.0	110	49472	No
47	GOM_TRA_1PNPDE20110816_031411_000000443105_00320_49472_5265.N1	16-AUG-2011 03:14:11	Straylight	43.500	31	Alp Gru	1.7340	15200.	87	49472	No
48	GOM_TRA_1PNPDE20110816_031807_000000543105_00320_49472_5266.N1	16-AUG-2011 03:18:07	Twilight	53.500	18	24Alp PsA	1.1660	9700.0	107	49472	No
49	GOM_TRA_1PNPDE20110816_032342_000000443105_00320_49472_5267.N1	16-AUG-2011 03:23:42	Bright	44.000	142	49Del Cap	2.8500	8900.0	88	49472	No
50	GOM_TRA_1PNPDE20110816_032707_000000423105_00320_49472_5268.N1	16-AUG-2011 03:27:07	Bright	41.500	154	22Bet Aqr	2.8990	5700.0	83	49472	No
51	GOM_TRA_1PNPDE20110816_032906_000000463105_00320_49472_5269.N1	16-AUG-2011 03:29:06	Bright	45.500	162	34Alp Aqr	2.9440	5350.0	91	49472	No
52	GOM_TRA_1PNPDE20110816_033216_000000433105_00320_49472_5270.N1	16-AUG-2011 03:32:16	Bright	43.000	61	8Eps Peg	2.1000	3900.0	86	49472	No
53	GOM_TRA_1PNPDE20110816_033845_000000403105_00320_49472_5271.N1	16-AUG-2011 03:38:45	Bright	40.000	92	53Eps Cyg	2.5000	4500.0	80	49472	No
54	GOM_TRA_1PNPDE20110816_034022_000000383105_00320_49472_5272.N1	16-AUG-2011 03:40:22	Bright	38.000	66	37Gam Cyg	2.2080	5900.0	76	49472	No
55	GOM_TRA_1PNPDE20110816_034157_000000363105_00320_49472_5273.N1	16-AUG-2011 03:41:57	Bright	36.000	19	50Alp Cyg	1.2460	10500.	72	49472	No
56	GOM_TRA_1PNPDE20110816_034716_000000353105_00320_49472_5274.N1	16-AUG-2011 03:47:16	Bright	35.000	89	5Alp Cep	2.4510	8000.0	70	49472	No
57	GOM_TRA_1PNPDE20110816_035156_000000473105_00320_49472_5275.N1	16-AUG-2011 03:51:56	Bright	46.500	74	11Bet Cas	2.2680	6600.0	93	49472	No
58	GOM_TRA_1PNPDE20110816_035409_000000343105_00320_49472_5276.N1	16-AUG-2011 03:54:09	Twilight	33.500	76	27Gam Cas	2.3000	30000.	67	49472	No
59	GOM_TRA_1PNPDE20110816_040650_000000523105_00320_49472_5283.N1	16-AUG-2011 04:06:50	Bright	51.500	6	13Alp Aur	0.080000	3400.0	103	49472	No
60	GOM_TRA_1PNPDE20110816_040946_000000393105_00320_49472_5284.N1	16-AUG-2011 04:09:46	Bright	38.500	107	37The Aur	2.6490	11000.	77	49472	No
61	GOM_TRA_1PNPDE20110816_041252_000000523105_00320_49472_5285.N1	16-AUG-2011 04:12:52	Twilight	51.500	28	12Bet Tau	1.6500	15200.	103	49472	No
62	GOM_TRA_1PNPDE20110816_041542_000000393105_00320_49472_5286.N1	16-AUG-2011 04:15:42	Twilight	38.500	44	24Gam Gem	1.9280	11000.	77	49472	No
63	GOM_TRA_1PNPDE20110816_041914_000000523105_00320_49472_5287.N1	16-AUG-2011 04:19:14	Dark	52.000	14	58Alp Ori	0.87000	3000.0	104	49472	No
64	GOM_TRA_1PNPDE20110816_042227_000000523105_00320_49472_5288.N1	16-AUG-2011 04:22:27	Dark	51.500	30	46Eps Ori	1.6940	30000.	103	49472	No
65	GOM_TRA_1PNPDE20110816_042352_000000443105_00320_49472_5289.N1	16-AUG-2011 04:23:52	Dark	44.000	125	44Iot Ori	2.7700	30000.	88	49472	No
66	GOM_TRA_1PNPDE20110816_042528_000000613105_00320_49472_5290.N1	16-AUG-2011 04:25:28	Dark	61.000	7	19Bet Ori	0.10000	14000.	122	49472	No
67	GOM_TRA_1PNPDE20110816_042719_000000483105_00320_49472_5291.N1	16-AUG-2011 04:27:19	Dark	48.000	101	11Alp Lep	2.5820	7000.0	96	49472	No
68	GOM_TRA_1PNPDE20110816_044113_000000523105_00321_49473_5292.N1	16-AUG-2011 04:41:13	Dark	51.500	157	The1Eri	2.9060	9300.0	103	49473	No
69	GOM_TRA_1PNPDE20110816_044513_000000453105_00321_49473_5293.N1	16-AUG-2011 04:45:13	Dark	44.500	9	Alp Eri	0.45300	24000.	89	49473	No
70	GOM_TRA_1PNPDE20110816_045057_000000523105_00321_49473_5294.N1	16-AUG-2011 04:50:57	Straylight	51.500	84	Alp Phe	2.3970	4500.0	103	49473	No
71	GOM_TRA_1PNPDE20110816_045425_000000413105_00321_49473_5295.N1	16-AUG-2011 04:54:25	Straylight	41.000	31	Alp Gru	1.7340	15200.	82	49473	No



72	GOM_TRA_1PNPDE20110816_045821_000000523105_00321_49473_5296.N1	16-AUG-2011 04:58:21	Twilight	52.000	18	24Alp PsA	1.1660	9700.0	104	49473	No
73	GOM_TRA_1PNPDE20110816_050356_000000443105_00321_49473_5297.N1	16-AUG-2011 05:03:56	Bright	43.500	142	49Del Cap	2.8500	8900.0	87	49473	No
74	GOM_TRA_1PNPDE20110816_050721_000000413105_00321_49473_5298.N1	16-AUG-2011 05:07:21	Bright	40.500	154	22Bet Aqr	2.8990	5700.0	81	49473	No
75	GOM_TRA_1PNPDE20110816_050920_000000493105_00321_49473_5299.N1	16-AUG-2011 05:09:20	Bright	48.500	162	34Alp Aqr	2.9440	5350.0	97	49473	No
76	GOM_TRA_1PNPDE20110816_051230_000000463105_00321_49473_5300.N1	16-AUG-2011 05:12:30	Bright	46.000	61	8Eps Peg	2.1000	3900.0	92	49473	No
77	GOM_TRA_1PNPDE20110816_051859_000000393105_00321_49473_5301.N1	16-AUG-2011 05:18:59	Bright	39.000	92	53Eps Cyg	2.5000	4500.0	78	49473	No
78	GOM_TRA_1PNPDE20110816_052036_000000383105_00321_49473_5302.N1	16-AUG-2011 05:20:36	Bright	38.000	66	37Gam Cyg	2.2080	5900.0	76	49473	No
79	GOM_TRA_1PNPDE20110816_052211_000000393105_00321_49473_5303.N1	16-AUG-2011 05:22:11	Bright	39.000	19	50Alp Cyg	1.2460	10500.	78	49473	No
80	GOM_TRA_1PNPDE20110816_052730_000000383105_00321_49473_5304.N1	16-AUG-2011 05:27:30	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	49473	No
81	GOM_TRA_1PNPDE20110816_053209_000000493105_00321_49473_5305.N1	16-AUG-2011 05:32:09	Bright	49.000	74	11Bet Cas	2.2680	6600.0	98	49473	No
82	GOM_TRA_1PNPDE20110816_053422_000000343105_00321_49473_5306.N1	16-AUG-2011 05:34:22	Twilight	33.500	76	27Gam Cas	2.3000	30000.	67	49473	No
83	GOM_TRA_1PNPDE20110816_054704_000000453105_00321_49473_5312.N1	16-AUG-2011 05:47:04	Bright	45.000	6	13Alp Aur	0.080000	3400.0	90	49473	No
84	GOM_TRA_1PNPDE20110816_055000_000000463105_00321_49473_5313.N1	16-AUG-2011 05:50:00	Bright	45.500	107	37The Aur	2.6490	11000.	91	49473	No
85	GOM_TRA_1PNPDE20110816_055306_000000563105_00321_49473_5314.N1	16-AUG-2011 05:53:06	Twilight	55.500	28	12Bet Tau	1.6500	15200.	111	49473	No
86	GOM_TRA_1PNPDE20110816_055556_000000453105_00321_49473_5315.N1	16-AUG-2011 05:55:56	Twilight	44.500	44	24Gam Gem	1.9280	11000.	89	49473	No
87	GOM_TRA_1PNPDE20110816_055928_000000543105_00321_49473_5316.N1	16-AUG-2011 05:59:28	Dark	53.500	14	58Alp Ori	0.87000	3000.0	107	49473	No
88	GOM_TRA_1PNPDE20110816_060241_000000523105_00321_49473_5317.N1	16-AUG-2011 06:02:41	Dark	52.000	30	46Eps Ori	1.6940	30000.	104	49473	No
89	GOM_TRA_1PNPDE20110816_060407_000000493105_00321_49473_5318.N1	16-AUG-2011 06:04:07	Dark	48.500	125	44Iot Ori	2.7700	30000.	97	49473	No
90	GOM_TRA_1PNPDE20110816_060543_000000613105_00321_49473_5319.N1	16-AUG-2011 06:05:43	Dark	60.500	7	19Bet Ori	0.10000	14000.	121	49473	No
91	GOM_TRA_1PNPDE20110816_060733_000000473105_00321_49473_5320.N1	16-AUG-2011 06:07:33	Dark	46.500	101	11Alp Lep	2.5820	7000.0	93	49473	No
92	GOM_TRA_1PNPDE20110816_062128_000000503105_00322_49474_5321.N1	16-AUG-2011 06:21:28	Dark	49.500	157	The1Eri	2.9060	9300.0	99	49474	No
93	GOM_TRA_1PNPDE20110816_062527_000000463105_00322_49474_5322.N1	16-AUG-2011 06:25:27	Dark	46.000	9	Alp Eri	0.45300	24000.	92	49474	No
94	GOM_TRA_1PNPDE20110816_063112_000000523105_00322_49474_5323.N1	16-AUG-2011 06:31:12	Straylight	52.000	84	Alp Phe	2.3970	4500.0	104	49474	No
95	GOM_TRA_1PNPDE20110816_063439_000000423105_00322_49474_5324.N1	16-AUG-2011 06:34:39	Straylight	42.000	31	Alp Gru	1.7340	15200.	84	49474	No
96	GOM_TRA_1PNPDE20110816_063836_000000533105_00322_49474_5325.N1	16-AUG-2011 06:38:36	Twilight	52.500	18	24Alp PsA	1.1660	9700.0	105	49474	No
97	GOM_TRA_1PNPDE20110816_064410_000000443105_00322_49474_5326.N1	16-AUG-2011 06:44:10	Bright	43.500	142	49Del Cap	2.8500	8900.0	87	49474	No
98	GOM_TRA_1PNPDE20110816_064735_000000423105_00322_49474_5327.N1	16-AUG-2011 06:47:35	Bright	42.000	154	22Bet Aqr	2.8990	5700.0	84	49474	No
99	GOM_TRA_1PNPDE20110816_064934_000000483105_00322_49474_5328.N1	16-AUG-2011 06:49:34	Bright	48.000	162	34Alp Aqr	2.9440	5350.0	96	49474	No
100	GOM_TRA_1PNPDE20110816_065244_000000463105_00322_49474_5329.N1	16-AUG-2011 06:52:44	Bright	46.000	61	8Eps Peg	2.1000	3900.0	92	49474	No
101	GOM_TRA_1PNPDE20110816_065913_000000383105_00322_49474_5330.N1	16-AUG-2011 06:59:13	Bright	37.500	92	53Eps Cyg	2.5000	4500.0	75	49474	No
102	GOM_TRA_1PNPDE20110816_070049_000000383105_00322_49474_5331.N1	16-AUG-2011 07:00:49	Bright	37.500	66	37Gam Cyg	2.2080	5900.0	75	49474	No
103	GOM_TRA_1PNPDE20110816_070225_000000363105_00322_49474_5332.N1	16-AUG-2011 07:02:25	Bright	35.500	19	50Alp Cyg	1.2460	10500.	71	49474	No
104	GOM_TRA_1PNPDE20110816_070743_000000393105_00322_49474_5333.N1	16-AUG-2011 07:07:43	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	49474	No
105	GOM_TRA_1PNPDE20110816_071222_000000463105_00322_49474_5334.N1	16-AUG-2011 07:12:22	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	49474	No
106	GOM_TRA_1PNPDE20110816_071435_000000353105_00322_49474_5335.N1	16-AUG-2011 07:14:35	Twilight	34.500	76	27Gam Cas	2.3000	30000.	69	49474	No
107	GOM_TRA_1PNPDK20110816_072718_000000473105_00322_49474_1505.N1	16-AUG-2011 07:27:18	Bright	46.500	6	13Alp Aur	0.080000	3400.0	93	49474	No
108	GOM_TRA_1PNPDK20110816_073014_000000593105_00322_49474_1506.N1	16-AUG-2011 07:30:14	Bright	59.000	107	37The Aur	2.6490	11000.	118	49474	No
109	GOM_TRA_1PNPDK20110816_073320_000000493105_00322_49474_1507.N1	16-AUG-2011 07:33:20	Twilight	49.000	28	12Bet Tau	1.6500	15200.	98	49474	No
110	GOM_TRA_1PNPDK20110816_073610_000000433105_00322_49474_1508.N1	16-AUG-2011 07:36:10	Twilight	42.500	44	24Gam Gem	1.9280	11000.	85	49474	No
111	GOM_TRA_1PNPDK20110816_073943_000000613105_00322_49474_1509.N1	16-AUG-2011 07:39:43	Dark	61.000	14	58Alp Ori	0.87000	3000.0	122	49474	No
112	GOM_TRA_1PNPDK20110816_074256_000000503105_00322_49474_1510.N1	16-AUG-2011 07:42:56	Dark	49.500	30	46Eps Ori	1.6940	30000.	99	49474	No
113	GOM_TRA_1PNPDK20110816_074422_000000453105_00322_49474_1511.N1	16-AUG-2011 07:44:22	Dark	44.500	125	44Iot Ori	2.7700	30000.	89	49474	No
114	GOM_TRA_1PNPDK20110816_074558_000000563105_00322_49474_1512.N1	16-AUG-2011 07:45:58	Dark	55.500	7	19Bet Ori	0.10000	14000.	111	49474	No
115	GOM_TRA_1PNPDK20110816_074748_000000483105_00322_49474_1513.N1	16-AUG-2011 07:47:48	Dark	47.500	101	11Alp Lep	2.5820	7000.0	95	49474	No
116	GOM_TRA_1PNPDK20110816_080143_000000513105_00323_49475_1514.N1	16-AUG-2011 08:01:43	Dark	51.000	157	The1Eri	2.9060	9300.0	102	49475	No
117	GOM_TRA_1PNPDK20110816_080542_000000463105_00323_49475_1515.N1	16-AUG-2011 08:05:42	Dark	45.500	9	Alp Eri	0.45300	24000.	91	49475	No
118	GOM_TRA_1PNPDK20110816_081127_000000563105_00323_49475_1516.N1	16-AUG-2011 08:11:27	Straylight	55.500	84	Alp Phe	2.3970	4500.0	111	49475	No
119	GOM_TRA_1PNPDK20110816_081454_000000473105_00323_49475_1517.N1	16-AUG-2011 08:14:54	Straylight	47.000	31	Alp Gru	1.7340	15200.	94	49475	No
120	GOM_TRA_1PNPDK20110816_081850_000000533105_00323_49475_1518.N1	16-AUG-2011 08:18:50	Twilight	52.500	18	24Alp PsA	1.1660	9700.0	105	49475	No
121	GOM_TRA_1PNPDK20110816_082424_000000433105_00323_49475_1519.N1	16-AUG-2011 08:24:24	Bright	43.000	142	49Del Cap	2.8500	8900.0	86	49475	No
122	GOM_TRA_1PNPDK20110816_082749_000000433105_00323_49475_1550.N1	16-AUG-2011 08:27:49	Bright	42.500	154	22Bet Aqr	2.8990	5700.0	85	49475	No
123	GOM_TRA_1PNPDK20110816_082948_000000483105_00323_49475_1551.N1	16-AUG-2011 08:29:48	Bright	47.500	162	34Alp Aqr	2.9440	5350.0	95	49475	No
124	GOM_TRA_1PNPDK20110816_083257_000000433105_00323_49475_1552.N1	16-AUG-2011 08:32:57	Bright	42.500	61	8Eps Peg	2.1000	3900.0	85	49475	No
125	GOM_TRA_1PNPDK20110816_083927_000000403105_00323_49475_1553.N1	16-AUG-2011 08:39:27	Bright	40.000	92	53Eps Cyg	2.5000	4500.0	80	49475	No
126	GOM_TRA_1PNPDK20110816_084103_000000383105_00323_49475_1554.N1	16-AUG-2011 08:41:03	Bright	37.500	66	37Gam Cyg	2.2080	5900.0	75	49475	No
127	GOM_TRA_1PNPDK20110816_084239_000000393105_00323_49475_1555.N1	16-AUG-2011 08:42:39	Bright	38.500	19	50Alp Cyg	1.2460	10500.	77	49475	No
128	GOM_TRA_1PNPDK20110816_084757_000000383105_00323_49475_1556.N1	16-AUG-2011 08:47:57	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	49475	No
129	GOM_TRA_1PNPDK20110816_085236_000000503105_00323_49475_1557.N1	16-AUG-2011 08:52:36	Bright	49.500	74	11Bet Cas	2.2680	6600.0	99	49475	No
130	GOM_TRA_1PNPDK20110816_085449_000000353105_00323_49475_1558.N1	16-AUG-2011 08:54:49	Twilight	35.000	76	27Gam Cas	2.3000	30000.	70	49475	No

131	GOM_TRA_1PNPDK20110816_090732_000000503105_00323_49475_1559.N1	16-AUG-2011 09:07:32	Bright	50.000	6	13Alp Aur	0.080000	3400.0	100	49475	No
132	GOM_TRA_1PNPDK20110816_091028_000000503105_00323_49475_1560.N1	16-AUG-2011 09:10:28	Bright	50.000	107	37The Aur	2.6490	11000.	100	49475	No
133	GOM_TRA_1PNPDK20110816_091335_000000543105_00323_49475_1561.N1	16-AUG-2011 09:13:35	Twilight	54.000	28	12Bet Tau	1.6500	15200.	108	49475	No
134	GOM_TRA_1PNPDK20110816_091625_000000443105_00323_49475_1562.N1	16-AUG-2011 09:16:25	Twilight	44.000	44	24Gam Gem	1.9280	11000.	88	49475	No
135	GOM_TRA_1PNPDK20110816_091957_000000533105_00323_49475_1563.N1	16-AUG-2011 09:19:57	Dark	53.000	14	58Alp Ori	0.87000	3000.0	106	49475	No
136	GOM_TRA_1PNPDK20110816_092311_000000493105_00323_49475_1564.N1	16-AUG-2011 09:23:11	Dark	49.000	30	46Eps Ori	1.6940	30000.	98	49475	No
137	GOM_TRA_1PNPDK20110816_092436_000000463105_00323_49475_1565.N1	16-AUG-2011 09:24:36	Dark	45.500	125	44Iot Ori	2.7700	30000.	91	49475	No
138	GOM_TRA_1PNPDK20110816_092612_000000553105_00323_49475_1566.N1	16-AUG-2011 09:26:12	Dark	54.500	7	19Bet Ori	0.10000	14000.	109	49475	No
139	GOM_TRA_1PNPDK20110816_092803_000000503105_00323_49475_1567.N1	16-AUG-2011 09:28:03	Dark	49.500	101	11Alp Lep	2.5820	7000.0	99	49475	No
140	GOM_TRA_1PNPDK20110816_112214_000000513105_00325_49477_1596.N1	16-AUG-2011 11:22:14	Dark	51.000	157	The1Eri	2.9060	9300.0	102	49477	No
141	GOM_TRA_1PNPDK20110816_112611_000000483105_00325_49477_1597.N1	16-AUG-2011 11:26:11	Dark	47.500	9	Alp Eri	0.45300	24000.	95	49477	No
142	GOM_TRA_1PNPDK20110816_113156_000000553105_00325_49477_1598.N1	16-AUG-2011 11:31:56	Straylight	55.000	84	Alp Phe	2.3970	4500.0	110	49477	No
143	GOM_TRA_1PNPDK20110816_113522_000000413105_00325_49477_1599.N1	16-AUG-2011 11:35:22	Straylight	41.000	31	Alp Gru	1.7340	15200.	82	49477	No
144	GOM_TRA_1PNPDK20110816_113919_000000543105_00325_49477_1600.N1	16-AUG-2011 11:39:19	Twilight	53.500	18	24Alp PsA	1.1660	9700.0	107	49477	No
145	GOM_TRA_1PNPDK20110816_114452_000000433105_00325_49477_1648.N1	16-AUG-2011 11:44:52	Bright	43.000	142	49Del Cap	2.8500	8900.0	86	49477	Yes
146	GOM_TRA_1PNPDK20110816_114817_000000433105_00325_49477_1649.N1	16-AUG-2011 11:48:17	Bright	42.500	154	22Bet Aqr	2.8990	5700.0	85	49477	No
147	GOM_TRA_1PNPDK20110816_115015_000000473105_00325_49477_1650.N1	16-AUG-2011 11:50:15	Bright	47.000	162	34Alp Aqr	2.9440	5350.0	94	49477	No
148	GOM_TRA_1PNPDK20110816_115325_000000433105_00325_49477_1651.N1	16-AUG-2011 11:53:25	Bright	42.500	61	8Eps Peg	2.1000	3900.0	85	49477	No
149	GOM_TRA_1PNPDK20110816_115954_000000373105_00325_49477_1652.N1	16-AUG-2011 11:59:54	Bright	37.000	92	53Eps Cyg	2.5000	4500.0	74	49477	No
150	GOM_TRA_1PNPDK20110816_120131_000000393105_00325_49477_1653.N1	16-AUG-2011 12:01:31	Bright	38.500	66	37Gam Cyg	2.2080	5900.0	77	49477	No
151	GOM_TRA_1PNPDK20110816_120306_000000393105_00325_49477_1654.N1	16-AUG-2011 12:03:06	Bright	39.000	19	50Alp Cyg	1.2460	10500.	78	49477	No
152	GOM_TRA_1PNPDK20110816_120825_000000393105_00325_49477_1655.N1	16-AUG-2011 12:08:25	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	49477	No
153	GOM_TRA_1PNPDK20110816_122759_000000473105_00325_49477_1656.N1	16-AUG-2011 12:27:59	Bright	47.000	6	13Alp Aur	0.080000	3400.0	94	49477	No
154	GOM_TRA_1PNPDK20110816_123056_000000553105_00325_49477_1657.N1	16-AUG-2011 12:30:56	Bright	55.000	107	37The Aur	2.6490	11000.	110	49477	No
155	GOM_TRA_1PNPDK20110816_123403_000000523105_00325_49477_1658.N1	16-AUG-2011 12:34:03	Twilight	52.000	28	12Bet Tau	1.6500	15200.	104	49477	No
156	GOM_TRA_1PNPDK20110816_123653_000000433105_00325_49477_1659.N1	16-AUG-2011 12:36:53	Twilight	43.000	44	24Gam Gem	1.9280	11000.	86	49477	No
157	GOM_TRA_1PNPDK20110816_124026_000000613105_00325_49477_1660.N1	16-AUG-2011 12:40:26	Dark	61.000	14	58Alp Ori	0.87000	3000.0	122	49477	No
158	GOM_TRA_1PNPDK20110816_124340_000000493105_00325_49477_1661.N1	16-AUG-2011 12:43:40	Dark	49.000	30	46Eps Ori	1.6940	30000.	98	49477	No
159	GOM_TRA_1PNPDK20110816_124505_000000483105_00325_49477_1662.N1	16-AUG-2011 12:45:05	Dark	48.000	125	44Iot Ori	2.7700	30000.	96	49477	No
160	GOM_TRA_1PNPDK20110816_124642_000000563105_00325_49477_1663.N1	16-AUG-2011 12:46:42	Dark	55.500	7	19Bet Ori	0.10000	14000.	111	49477	No
161	GOM_TRA_1PNPDK20110816_124832_000000483105_00325_49477_1664.N1	16-AUG-2011 12:48:32	Dark	48.000	101	11Alp Lep	2.5820	7000.0	96	49477	No
162	GOM_TRA_1PNPDK20110816_130229_000000533105_00326_49478_1665.N1	16-AUG-2011 13:02:29	Dark	52.500	157	The1Eri	2.9060	9300.0	105	49478	No
163	GOM_TRA_1PNPDK20110816_130626_000000463105_00326_49478_1666.N1	16-AUG-2011 13:06:26	Dark	46.000	9	Alp Eri	0.45300	24000.	92	49478	No
164	GOM_TRA_1PNPDK20110816_131211_000000583105_00326_49478_1667.N1	16-AUG-2011 13:12:11	Straylight	57.500	84	Alp Phe	2.3970	4500.0	115	49478	No
165	GOM_TRA_1PNPDK20110816_131537_000000433105_00326_49478_1668.N1	16-AUG-2011 13:15:37	Straylight	43.000	31	Alp Gru	1.7340	15200.	86	49478	No
166	GOM_TRA_1PNPDK20110816_131933_000000533105_00326_49478_1669.N1	16-AUG-2011 13:19:33	Twilight	53.000	18	24Alp PsA	1.1660	9700.0	106	49478	No
167	GOM_TRA_1PNPDK20110816_132506_000000423105_00326_49478_1693.N1	16-AUG-2011 13:25:06	Bright	42.000	142	49Del Cap	2.8500	8900.0	84	49478	No
168	GOM_TRA_1PNPDK20110816_132831_000000433105_00326_49478_1694.N1	16-AUG-2011 13:28:31	Bright	42.500	154	22Bet Aqr	2.8990	5700.0	85	49478	No
169	GOM_TRA_1PNPDK20110816_133029_000000473105_00326_49478_1695.N1	16-AUG-2011 13:30:29	Bright	47.000	162	34Alp Aqr	2.9440	5350.0	94	49478	No
170	GOM_TRA_1PNPDK20110816_133338_000000463105_00326_49478_1696.N1	16-AUG-2011 13:33:38	Bright	46.000	61	8Eps Peg	2.1000	3900.0	92	49478	No
171	GOM_TRA_1PNPDK20110816_134008_000000363105_00326_49478_1697.N1	16-AUG-2011 13:40:08	Bright	36.000	92	53Eps Cyg	2.5000	4500.0	72	49478	No
172	GOM_TRA_1PNPDK20110816_134145_000000343105_00326_49478_1698.N1	16-AUG-2011 13:41:45	Bright	34.000	66	37Gam Cyg	2.2080	5900.0	68	49478	No
173	GOM_TRA_1PNPDK20110816_134320_000000393105_00326_49478_1699.N1	16-AUG-2011 13:43:20	Bright	38.500	19	50Alp Cyg	1.2460	10500.	77	49478	No
174	GOM_TRA_1PNPDK20110816_134838_000000393105_00326_49478_1700.N1	16-AUG-2011 13:48:38	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	49478	No
175	GOM_TRA_1PNPDK20110816_140813_000000513105_00326_49478_1701.N1	16-AUG-2011 14:08:13	Bright	51.000	6	13Alp Aur	0.080000	3400.0	102	49478	No
176	GOM_TRA_1PNPDK20110816_141110_000000463105_00326_49478_1702.N1	16-AUG-2011 14:11:10	Bright	45.500	107	37The Aur	2.6490	11000.	91	49478	No
177	GOM_TRA_1PNPDK20110816_141417_000000523105_00326_49478_1703.N1	16-AUG-2011 14:14:17	Twilight	52.000	28	12Bet Tau	1.6500	15200.	104	49478	No
178	GOM_TRA_1PNPDK20110816_141707_000000443105_00326_49478_1704.N1	16-AUG-2011 14:17:07	Twilight	43.500	44	24Gam Gem	1.9280	11000.	87	49478	No
179	GOM_TRA_1PNPDK20110816_142040_000000553105_00326_49478_1705.N1	16-AUG-2011 14:20:40	Dark	55.000	14	58Alp Ori	0.87000	3000.0	110	49478	No
180	GOM_TRA_1PNPDK20110816_142354_000000503105_00326_49478_1706.N1	16-AUG-2011 14:23:54	Dark	49.500	30	46Eps Ori	1.6940	30000.	99	49478	No
181	GOM_TRA_1PNPDK20110816_142520_000000463105_00326_49478_1707.N1	16-AUG-2011 14:25:20	Dark	45.500	125	44Iot Ori	2.7700	30000.	91	49478	No
182	GOM_TRA_1PNPDK20110816_142657_000000653105_00326_49478_1708.N1	16-AUG-2011 14:26:57	Dark	65.000	7	19Bet Ori	0.10000	14000.	130	49478	No
183	GOM_TRA_1PNPDK20110816_142847_000000483105_00326_49478_1709.N1	16-AUG-2011 14:28:47	Dark	48.000	101	11Alp Lep	2.5820	7000.0	96	49478	No
184	GOM_TRA_1PNPDK20110816_144244_000000513105_00327_49479_1710.N1	16-AUG-2011 14:42:44	Dark	50.500	157	The1Eri	2.9060	9300.0	101	49479	No
185	GOM_TRA_1PNPDK20110816_144640_000000443105_00327_49479_1711.N1	16-AUG-2011 14:46:40	Dark	44.000	9	Alp Eri	0.45300	24000.	88	49479	No
186	GOM_TRA_1PNPDK20110816_145226_000000533105_00327_49479_1712.N1	16-AUG-2011 14:52:26	Straylight	53.000	84	Alp Phe	2.3970	4500.0	106	49479	No
187	GOM_TRA_1PNPDK20110816_145551_000000413105_00327_49479_1713.N1	16-AUG-2011 14:55:51	Straylight	41.000	31	Alp Gru	1.7340	15200.	82	49479	No
188	GOM_TRA_1PNPDK20110816_145948_000000563105_00327_49479_1714.N1	16-AUG-2011 14:59:48	Twilight	55.500	18	24Alp PsA	1.1660	9700.0	111	49479	No
189	GOM_TRA_1PNPDK20110816_150520_000000443105_00327_49479_1735.N1	16-AUG-2011 15:05:20	Bright	43.500	142	49Del Cap	2.8500	8900.0	87	49479	No



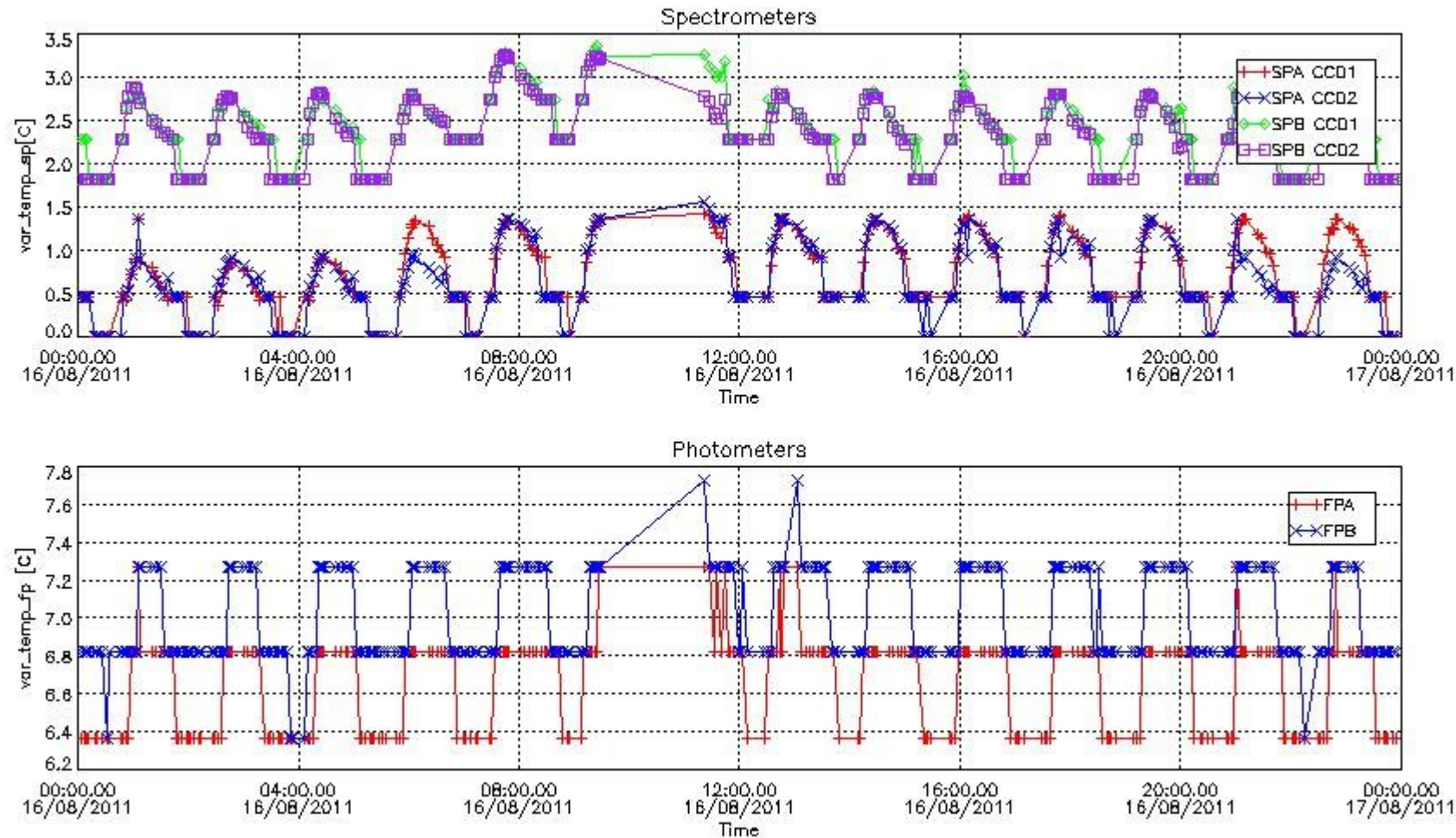
190	GOM_TRA_1PNPDK20110816_150845_000000423105_00327_49479_1736.N1	16-AUG-2011 15:08:45	Bright	41.500	154	22Bet Aqr	2.8990	5700.0	83	49479	No
191	GOM_TRA_1PNPDK20110816_151043_000000483105_00327_49479_1737.N1	16-AUG-2011 15:10:43	Bright	47.500	162	34Alp Aqr	2.9440	5350.0	95	49479	No
192	GOM_TRA_1PNPDK20110816_151352_000000453105_00327_49479_1738.N1	16-AUG-2011 15:13:52	Bright	45.000	61	8Eps Peg	2.1000	3900.0	90	49479	No
193	GOM_TRA_1PNPDK20110816_152022_000000403105_00327_49479_1739.N1	16-AUG-2011 15:20:22	Bright	40.000	92	53Eps Cyg	2.5000	4500.0	80	49479	No
194	GOM_TRA_1PNPDK20110816_152159_000000383105_00327_49479_1740.N1	16-AUG-2011 15:21:59	Bright	38.000	66	37Gam Cyg	2.2080	5900.0	76	49479	No
195	GOM_TRA_1PNPDK20110816_152334_000000383105_00327_49479_1741.N1	16-AUG-2011 15:23:34	Bright	38.000	19	50Alp Cyg	1.2460	10500.	76	49479	No
196	GOM_TRA_1PNPDK20110816_152852_000000393105_00327_49479_1742.N1	16-AUG-2011 15:28:52	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	49479	No
197	GOM_TRA_1PNPDK20110816_154827_000000523105_00327_49479_1743.N1	16-AUG-2011 15:48:27	Bright	51.500	6	13Alp Aur	0.080000	3400.0	103	49479	No
198	GOM_TRA_1PNPDK20110816_155124_000000403105_00327_49479_1744.N1	16-AUG-2011 15:51:24	Bright	39.500	107	37The Aur	2.6490	11000.	79	49479	No
199	GOM_TRA_1PNPDK20110816_155431_000000523105_00327_49479_1745.N1	16-AUG-2011 15:54:31	Tw_i_and_stray	52.000	28	12Bet Tau	1.6500	15200.	104	49479	No
200	GOM_TRA_1PNPDK20110816_155721_000000433105_00327_49479_1746.N1	16-AUG-2011 15:57:21	Tw_i_and_stray	42.500	44	24Gam Gem	1.9280	11000.	85	49479	No
201	GOM_TRA_1PNPDK20110816_160055_000000493105_00327_49479_1747.N1	16-AUG-2011 16:00:55	Dark	49.000	14	58Alp Ori	0.87000	3000.0	98	49479	No
202	GOM_TRA_1PNPDK20110816_160409_000000503105_00327_49479_1748.N1	16-AUG-2011 16:04:09	Dark	50.000	30	46Eps Ori	1.6940	30000.	100	49479	No
203	GOM_TRA_1PNPDK20110816_160535_000000473105_00327_49479_1749.N1	16-AUG-2011 16:05:35	Dark	46.500	125	44Iot Ori	2.7700	30000.	93	49479	No
204	GOM_TRA_1PNPDK20110816_160711_000000573105_00327_49479_1750.N1	16-AUG-2011 16:07:11	Dark	57.000	7	19Bet Ori	0.10000	14000.	114	49479	No
205	GOM_TRA_1PNPDK20110816_160901_000000483105_00327_49479_1751.N1	16-AUG-2011 16:09:01	Dark	48.000	101	11Alp Lep	2.5820	7000.0	96	49479	No
206	GOM_TRA_1PNPDK20110816_162259_000000513105_00328_49480_1752.N1	16-AUG-2011 16:22:59	Dark	51.000	157	The1Eri	2.9060	9300.0	102	49480	No
207	GOM_TRA_1PNPDK20110816_162655_000000463105_00328_49480_1753.N1	16-AUG-2011 16:26:55	Dark	46.000	9	Alp Eri	0.45300	24000.	92	49480	No
208	GOM_TRA_1PNPDK20110816_163241_000000533105_00328_49480_1754.N1	16-AUG-2011 16:32:41	Straylight	52.500	84	Alp Phe	2.3970	4500.0	105	49480	No
209	GOM_TRA_1PNPDK20110816_163605_000000403105_00328_49480_1755.N1	16-AUG-2011 16:36:05	Straylight	39.500	31	Alp Gru	1.7340	15200.	79	49480	No
210	GOM_TRA_1PNPDK20110816_164002_000000543105_00328_49480_1769.N1	16-AUG-2011 16:40:02	Tw_i_and_stray	54.000	18	24Alp PsA	1.1660	9700.0	108	49480	No
211	GOM_TRA_1PNPDK20110816_164535_000000433105_00328_49480_1770.N1	16-AUG-2011 16:45:35	Bright	43.000	142	49Del Cap	2.8500	8900.0	86	49480	No
212	GOM_TRA_1PNPDK20110816_164859_000000413105_00328_49480_1771.N1	16-AUG-2011 16:48:59	Bright	41.000	154	22Bet Aqr	2.8990	5700.0	82	49480	No
213	GOM_TRA_1PNPDK20110816_165057_000000483105_00328_49480_1772.N1	16-AUG-2011 16:50:57	Bright	48.000	162	34Alp Aqr	2.9440	5350.0	96	49480	No
214	GOM_TRA_1PNPDK20110816_165406_000000453105_00328_49480_1773.N1	16-AUG-2011 16:54:06	Bright	45.000	61	8Eps Peg	2.1000	3900.0	90	49480	No
215	GOM_TRA_1PNPDK20110816_170036_000000393105_00328_49480_1774.N1	16-AUG-2011 17:00:36	Bright	38.500	92	53Eps Cyg	2.5000	4500.0	77	49480	No
216	GOM_TRA_1PNPDK20110816_170213_000000373105_00328_49480_1775.N1	16-AUG-2011 17:02:13	Bright	37.000	66	37Gam Cyg	2.2080	5900.0	74	49480	No
217	GOM_TRA_1PNPDK20110816_170348_000000393105_00328_49480_1776.N1	16-AUG-2011 17:03:48	Bright	39.000	19	50Alp Cyg	1.2460	10500.	78	49480	No
218	GOM_TRA_1PNPDK20110816_170906_000000403105_00328_49480_1777.N1	16-AUG-2011 17:09:06	Bright	39.500	89	5Alp Cep	2.4510	8000.0	79	49480	No
219	GOM_TRA_1PNPDK20110816_172841_000000503105_00328_49480_1778.N1	16-AUG-2011 17:28:41	Bright	49.500	6	13Alp Aur	0.080000	3400.0	99	49480	No
220	GOM_TRA_1PNPDK20110816_173138_000000593105_00328_49480_1779.N1	16-AUG-2011 17:31:38	Bright	59.000	107	37The Aur	2.6490	11000.	118	49480	No
221	GOM_TRA_1PNPDK20110816_173445_000000513105_00328_49480_1780.N1	16-AUG-2011 17:34:45	Tw_i_and_stray	51.000	28	12Bet Tau	1.6500	15200.	102	49480	No
222	GOM_TRA_1PNPDK20110816_173736_000000433105_00328_49480_1781.N1	16-AUG-2011 17:37:36	Tw_i_and_stray	42.500	44	24Gam Gem	1.9280	11000.	85	49480	No
223	GOM_TRA_1PNPDK20110816_174109_000000493105_00328_49480_1782.N1	16-AUG-2011 17:41:09	Dark	49.000	14	58Alp Ori	0.87000	3000.0	98	49480	No
224	GOM_TRA_1PNPDK20110816_174423_000000533105_00328_49480_1783.N1	16-AUG-2011 17:44:23	Dark	52.500	30	46Eps Ori	1.6940	30000.	105	49480	No
225	GOM_TRA_1PNPDK20110816_174549_000000503105_00328_49480_1784.N1	16-AUG-2011 17:45:49	Dark	49.500	125	44Iot Ori	2.7700	30000.	99	49480	No
226	GOM_TRA_1PNPDK20110816_174726_000000613105_00328_49480_1785.N1	16-AUG-2011 17:47:26	Dark	60.500	7	19Bet Ori	0.10000	14000.	121	49480	No
227	GOM_TRA_1PNPDK20110816_174916_000000493105_00328_49480_1786.N1	16-AUG-2011 17:49:16	Dark	49.000	101	11Alp Lep	2.5820	7000.0	98	49480	No
228	GOM_TRA_1PNPDK20110816_180314_000000493105_00329_49481_1787.N1	16-AUG-2011 18:03:14	Dark	49.000	157	The1Eri	2.9060	9300.0	98	49481	No
229	GOM_TRA_1PNPDK20110816_180710_000000443105_00329_49481_1788.N1	16-AUG-2011 18:07:10	Dark	44.000	9	Alp Eri	0.45300	24000.	88	49481	No
230	GOM_TRA_1PNPDK20110816_181255_000000513105_00329_49481_1789.N1	16-AUG-2011 18:12:55	Straylight	51.000	84	Alp Phe	2.3970	4500.0	102	49481	No
231	GOM_TRA_1PNPDK20110816_181620_000000413105_00329_49481_1790.N1	16-AUG-2011 18:16:20	Straylight	40.500	31	Alp Gru	1.7340	15200.	81	49481	No
232	GOM_TRA_1PNPDK20110816_182016_000000573105_00329_49481_1796.N1	16-AUG-2011 18:20:16	Tw_i_and_stray	56.500	18	24Alp PsA	1.1660	9700.0	113	49481	No
233	GOM_TRA_1PNPDK20110816_182549_000000443105_00329_49481_1797.N1	16-AUG-2011 18:25:49	Bright	44.000	142	49Del Cap	2.8500	8900.0	88	49481	No
234	GOM_TRA_1PNPDK20110816_182913_000000413105_00329_49481_1798.N1	16-AUG-2011 18:29:13	Bright	41.000	154	22Bet Aqr	2.8990	5700.0	82	49481	No
235	GOM_TRA_1PNPDK20110816_183110_000000493105_00329_49481_1799.N1	16-AUG-2011 18:31:10	Bright	48.500	162	34Alp Aqr	2.9440	5350.0	97	49481	No
236	GOM_TRA_1PNPDK20110816_183419_000000453105_00329_49481_1800.N1	16-AUG-2011 18:34:19	Bright	45.000	61	8Eps Peg	2.1000	3900.0	90	49481	No
237	GOM_TRA_1PNPDK20110816_184050_000000383105_00329_49481_1801.N1	16-AUG-2011 18:40:50	Bright	37.500	92	53Eps Cyg	2.5000	4500.0	75	49481	No
238	GOM_TRA_1PNPDK20110816_184227_000000383105_00329_49481_1802.N1	16-AUG-2011 18:42:27	Bright	38.000	66	37Gam Cyg	2.2080	5900.0	76	49481	No
239	GOM_TRA_1PNPDK20110816_184401_000000403105_00329_49481_1803.N1	16-AUG-2011 18:44:01	Bright	40.000	19	50Alp Cyg	1.2460	10500.	80	49481	No
240	GOM_TRA_1PNPDK20110816_184919_000000393105_00329_49481_1804.N1	16-AUG-2011 18:49:19	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	49481	No
241	GOM_TRA_1PNPDK20110816_190855_000000483105_00329_49481_1805.N1	16-AUG-2011 19:08:55	Bright	48.000	6	13Alp Aur	0.080000	3400.0	96	49481	No
242	GOM_TRA_1PNPDK20110816_191152_000000393105_00329_49481_1806.N1	16-AUG-2011 19:11:52	Bright	39.000	107	37The Aur	2.6490	11000.	78	49481	No
243	GOM_TRA_1PNPDK20110816_191459_000000523105_00329_49481_1807.N1	16-AUG-2011 19:14:59	Tw_i_and_stray	52.000	28	12Bet Tau	1.6500	15200.	104	49481	No
244	GOM_TRA_1PNPDK20110816_191750_000000383105_00329_49481_1808.N1	16-AUG-2011 19:17:50	Tw_i_and_stray	38.000	44	24Gam Gem	1.9280	11000.	76	49481	No
245	GOM_TRA_1PNPDK20110816_192124_000000563105_00329_49481_1809.N1	16-AUG-2011 19:21:24	Dark	55.500	14	58Alp Ori	0.87000	3000.0	111	49481	No
246	GOM_TRA_1PNPDK20110816_192438_000000513105_00329_49481_1810.N1	16-AUG-2011 19:24:38	Dark	51.000	30	46Eps Ori	1.6940	30000.	102	49481	No
247	GOM_TRA_1PNPDK20110816_192604_000000483105_00329_49481_1811.N1	16-AUG-2011 19:26:04	Dark	48.000	125	44Iot Ori	2.7700	30000.	96	49481	No
248	GOM_TRA_1PNPDK20110816_192741_000000593105_00329_49481_1812.N1	16-AUG-2011 19:27:41	Dark	58.500	7	19Bet Ori	0.10000	14000.	117	49481	No

249	GOM_TRA_1PNPDK20110816_192931_000000483105_00329_49481_1813.N1	16-AUG-2011 19:29:31	Dark	48.000	101	11Alp Lep	2.5820	7000.0	96	49481	No
250	GOM_TRA_1PNPDK20110816_194330_000000513105_00330_49482_1814.N1	16-AUG-2011 19:43:30	Dark	50.500	157	The1Eri	2.9060	9300.0	101	49482	No
251	GOM_TRA_1PNPDK20110816_194725_000000443105_00330_49482_1815.N1	16-AUG-2011 19:47:25	Dark	44.000	9	Alp Eri	0.45300	24000.	88	49482	No
252	GOM_TRA_1PNPDK20110816_195310_000000523105_00330_49482_1816.N1	16-AUG-2011 19:53:10	Straylight	51.500	84	Alp Phe	2.3970	4500.0	103	49482	No
253	GOM_TRA_1PNPDE20110816_195634_000000393105_00330_49482_5483.N1	16-AUG-2011 19:56:34	Straylight	39.000	31	Alp Gru	1.7340	15200.	78	49482	No
254	GOM_TRA_1PNPDE20110816_200031_000000533105_00330_49482_5484.N1	16-AUG-2011 20:00:31	Twilight_and_stray	52.500	18	24Alp PsA	1.1660	9700.0	105	49482	No
255	GOM_TRA_1PNPDE20110816_200603_000000433105_00330_49482_5485.N1	16-AUG-2011 20:06:03	Bright	42.500	142	49Del Cap	2.8500	8900.0	85	49482	No
256	GOM_TRA_1PNPDE20110816_200927_000000413105_00330_49482_5486.N1	16-AUG-2011 20:09:27	Bright	40.500	154	22Bet Aqr	2.8990	5700.0	81	49482	No
257	GOM_TRA_1PNPDE20110816_201124_000000483105_00330_49482_5487.N1	16-AUG-2011 20:11:24	Bright	48.000	162	34Alp Aqr	2.9440	5350.0	96	49482	No
258	GOM_TRA_1PNPDE20110816_201433_000000453105_00330_49482_5488.N1	16-AUG-2011 20:14:33	Bright	45.000	61	8Eps Peg	2.1000	3900.0	90	49482	No
259	GOM_TRA_1PNPDE20110816_202103_000000383105_00330_49482_5489.N1	16-AUG-2011 20:21:03	Bright	37.500	92	53Eps Cyg	2.5000	4500.0	75	49482	No
260	GOM_TRA_1PNPDE20110816_202241_000000353105_00330_49482_5490.N1	16-AUG-2011 20:22:41	Bright	35.000	66	37Gam Cyg	2.2080	5900.0	70	49482	No
261	GOM_TRA_1PNPDE20110816_202415_000000413105_00330_49482_5491.N1	16-AUG-2011 20:24:15	Bright	40.500	19	50Alp Cyg	1.2460	10500.	81	49482	No
262	GOM_TRA_1PNPDE20110816_202933_000000393105_00330_49482_5492.N1	16-AUG-2011 20:29:33	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	49482	No
263	GOM_TRA_1PNPDE20110816_203408_000000263105_00330_49482_5493.N1	16-AUG-2011 20:34:08	Twilight_and_stray	26.000	74	11Bet Cas	2.2680	6600.0	52	49482	No
264	GOM_TRA_1PNPDE20110816_204909_000000503105_00330_49482_5494.N1	16-AUG-2011 20:49:09	Bright	49.500	6	13Alp Aur	0.080000	3400.0	99	49482	No
265	GOM_TRA_1PNPDE20110816_205206_000000483105_00330_49482_5495.N1	16-AUG-2011 20:52:06	Bright	47.500	107	37The Aur	2.6490	11000.	95	49482	No
266	GOM_TRA_1PNPDE20110816_205514_000000533105_00330_49482_5496.N1	16-AUG-2011 20:55:14	Twilight_and_stray	52.500	28	12Bet Tau	1.6500	15200.	105	49482	No
267	GOM_TRA_1PNPDE20110816_205804_000000393105_00330_49482_5497.N1	16-AUG-2011 20:58:04	Twilight_and_stray	38.500	44	24Gam Gem	1.9280	11000.	77	49482	No
268	GOM_TRA_1PNPDE20110816_210138_000000533105_00330_49482_5509.N1	16-AUG-2011 21:01:38	Dark	53.000	14	58Alp Ori	0.87000	3000.0	106	49482	Yes
269	GOM_TRA_1PNPDE20110816_210453_000000483105_00330_49482_5510.N1	16-AUG-2011 21:04:53	Dark	48.000	30	46Eps Ori	1.6940	30000.	96	49482	No
270	GOM_TRA_1PNPDE20110816_210619_000000463105_00330_49482_5511.N1	16-AUG-2011 21:06:19	Dark	45.500	125	44Iot Ori	2.7700	30000.	91	49482	No
271	GOM_TRA_1PNPDE20110816_210756_000000563105_00330_49482_5512.N1	16-AUG-2011 21:07:56	Dark	56.000	7	19Bet Ori	0.10000	14000.	112	49482	No
272	GOM_TRA_1PNPDE20110816_210945_000000483105_00330_49482_5513.N1	16-AUG-2011 21:09:45	Dark	47.500	101	11Alp Lep	2.5820	7000.0	95	49482	No
273	GOM_TRA_1PNPDE20110816_212345_000000513105_00331_49483_5514.N1	16-AUG-2011 21:23:45	Dark	51.000	157	The1Eri	2.9060	9300.0	102	49483	No
274	GOM_TRA_1PNPDE20110816_212739_000000443105_00331_49483_5515.N1	16-AUG-2011 21:27:39	Dark	44.000	9	Alp Eri	0.45300	24000.	88	49483	No
275	GOM_TRA_1PNPDE20110816_213325_000000523105_00331_49483_5516.N1	16-AUG-2011 21:33:25	Straylight	51.500	84	Alp Phe	2.3970	4500.0	103	49483	No
276	GOM_TRA_1PNPDE20110816_213648_000000413105_00331_49483_5517.N1	16-AUG-2011 21:36:48	Straylight	40.500	31	Alp Gru	1.7340	15200.	81	49483	No
277	GOM_TRA_1PNPDE20110816_214045_000000543105_00331_49483_5518.N1	16-AUG-2011 21:40:45	Twilight_and_stray	53.500	18	24Alp PsA	1.1660	9700.0	107	49483	No
278	GOM_TRA_1PNPDE20110816_214617_000000433105_00331_49483_5519.N1	16-AUG-2011 21:46:17	Bright	43.000	142	49Del Cap	2.8500	8900.0	86	49483	No
279	GOM_TRA_1PNPDE20110816_214941_000000423105_00331_49483_5520.N1	16-AUG-2011 21:49:41	Bright	41.500	154	22Bet Aqr	2.8990	5700.0	83	49483	No
280	GOM_TRA_1PNPDE20110816_215138_000000483105_00331_49483_5521.N1	16-AUG-2011 21:51:38	Bright	47.500	162	34Alp Aqr	2.9440	5350.0	95	49483	No
281	GOM_TRA_1PNPDE20110816_215447_000000453105_00331_49483_5522.N1	16-AUG-2011 21:54:47	Bright	45.000	61	8Eps Peg	2.1000	3900.0	90	49483	No
282	GOM_TRA_1PNPDE20110816_220117_000000363105_00331_49483_5523.N1	16-AUG-2011 22:01:17	Bright	35.500	92	53Eps Cyg	2.5000	4500.0	71	49483	No
283	GOM_TRA_1PNPDE20110816_220254_000000363105_00331_49483_5524.N1	16-AUG-2011 22:02:54	Bright	35.500	66	37Gam Cyg	2.2080	5900.0	71	49483	No
284	GOM_TRA_1PNPDE20110816_220429_000000403105_00331_49483_5525.N1	16-AUG-2011 22:04:29	Bright	39.500	19	50Alp Cyg	1.2460	10500.	79	49483	No
285	GOM_TRA_1PNPDE20110816_220947_000000563105_00331_49483_5526.N1	16-AUG-2011 22:09:47	Bright	56.000	89	5Alp Cep	2.4510	8000.0	112	49483	No
286	GOM_TRA_1PNPDE20110816_221421_000000263105_00331_49483_5527.N1	16-AUG-2011 22:14:21	Twilight_and_stray	26.000	74	11Bet Cas	2.2680	6600.0	52	49483	No
287	GOM_TRA_1PNPDE20110816_222922_000000493105_00331_49483_5528.N1	16-AUG-2011 22:29:22	Bright	49.000	6	13Alp Aur	0.080000	3400.0	98	49483	No
288	GOM_TRA_1PNPDE20110816_223220_000000593105_00331_49483_5529.N1	16-AUG-2011 22:32:20	Bright	58.500	107	37The Aur	2.6490	11000.	117	49483	No
289	GOM_TRA_1PNPDE20110816_223528_000000553105_00331_49483_5530.N1	16-AUG-2011 22:35:28	Twilight_and_stray	55.000	28	12Bet Tau	1.6500	15200.	110	49483	No
290	GOM_TRA_1PNPDE20110816_223818_000000413105_00331_49483_5531.N1	16-AUG-2011 22:38:18	Twilight_and_stray	40.500	44	24Gam Gem	1.9280	11000.	81	49483	No
291	GOM_TRA_1PNPDE20110816_224152_000000613105_00331_49483_5532.N1	16-AUG-2011 22:41:52	Dark	61.000	14	58Alp Ori	0.87000	3000.0	122	49483	No
292	GOM_TRA_1PNPDE20110816_224507_000000503105_00331_49483_5533.N1	16-AUG-2011 22:45:07	Dark	50.000	30	46Eps Ori	1.6940	30000.	100	49483	No
293	GOM_TRA_1PNPDE20110816_224633_000000473105_00331_49483_5534.N1	16-AUG-2011 22:46:33	Dark	47.000	125	44Iot Ori	2.7700	30000.	94	49483	No
294	GOM_TRA_1PNPDE20110816_224811_000000563105_00331_49483_5542.N1	16-AUG-2011 22:48:11	Dark	56.000	7	19Bet Ori	0.10000	14000.	112	49483	Yes
295	GOM_TRA_1PNPDE20110816_225000_000000453105_00331_49483_5543.N1	16-AUG-2011 22:50:00	Dark	45.000	101	11Alp Lep	2.5820	7000.0	90	49483	No
296	GOM_TRA_1PNPDE20110816_230400_000000533105_00332_49484_5544.N1	16-AUG-2011 23:04:00	Dark	52.500	157	The1Eri	2.9060	9300.0	105	49484	No
297	GOM_TRA_1PNPDE20110816_230754_000000463105_00332_49484_5545.N1	16-AUG-2011 23:07:54	Dark	45.500	9	Alp Eri	0.45300	24000.	91	49484	No
298	GOM_TRA_1PNPDE20110816_231340_000000513105_00332_49484_5546.N1	16-AUG-2011 23:13:40	Straylight	51.000	84	Alp Phe	2.3970	4500.0	102	49484	No
299	GOM_TRA_1PNPDE20110816_231703_000000443105_00332_49484_5547.N1	16-AUG-2011 23:17:03	Straylight	44.000	31	Alp Gru	1.7340	15200.	88	49484	No
300	GOM_TRA_1PNPDE20110816_232059_000000563105_00332_49484_5548.N1	16-AUG-2011 23:20:59	Twilight_and_stray	55.500	18	24Alp PsA	1.1660	9700.0	111	49484	No
301	GOM_TRA_1PNPDE20110816_232631_000000423105_00332_49484_5549.N1	16-AUG-2011 23:26:31	Bright	42.000	142	49Del Cap	2.8500	8900.0	84	49484	No
302	GOM_TRA_1PNPDE20110816_232955_000000423105_00332_49484_5550.N1	16-AUG-2011 23:29:55	Bright	42.000	154	22Bet Aqr	2.8990	5700.0	84	49484	No
303	GOM_TRA_1PNPDE20110816_233152_000000483105_00332_49484_5551.N1	16-AUG-2011 23:31:52	Bright	48.000	162	34Alp Aqr	2.9440	5350.0	96	49484	No
304	GOM_TRA_1PNPDE20110816_233500_000000443105_00332_49484_5552.N1	16-AUG-2011 23:35:00	Bright	43.500	61	8Eps Peg	2.1000	3900.0	87	49484	No
305	GOM_TRA_1PNPDE20110816_234131_000000373105_00332_49484_5553.N1	16-AUG-2011 23:41:31	Bright	37.000	92	53Eps Cyg	2.5000	4500.0	74	49484	No
306	GOM_TRA_1PNPDE20110816_234308_000000353105_00332_49484_5554.N1	16-AUG-2011 23:43:08	Bright	34.500	66	37Gam Cyg	2.2080	5900.0	69	49484	No
307	GOM_TRA_1PNPDE20110816_234443_000000363105_00332_49484_5555.N1	16-AUG-2011 23:44:43	Bright	35.500	19	50Alp Cyg	1.2460	10500.	71	49484	No



308	GOM_TRA_1PNPDE20110816_235001_000000383105_00332_49484_5556.N1	16-AUG-2011 23:50:01	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	49484	No
309	GOM_TRA_1PNPDE20110816_235434_000000283105_00332_49484_5557.N1	16-AUG-2011 23:54:34	Twilight_stray	28.000	74	11Bet Cas	2.2680	6600.0	56	49484	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.

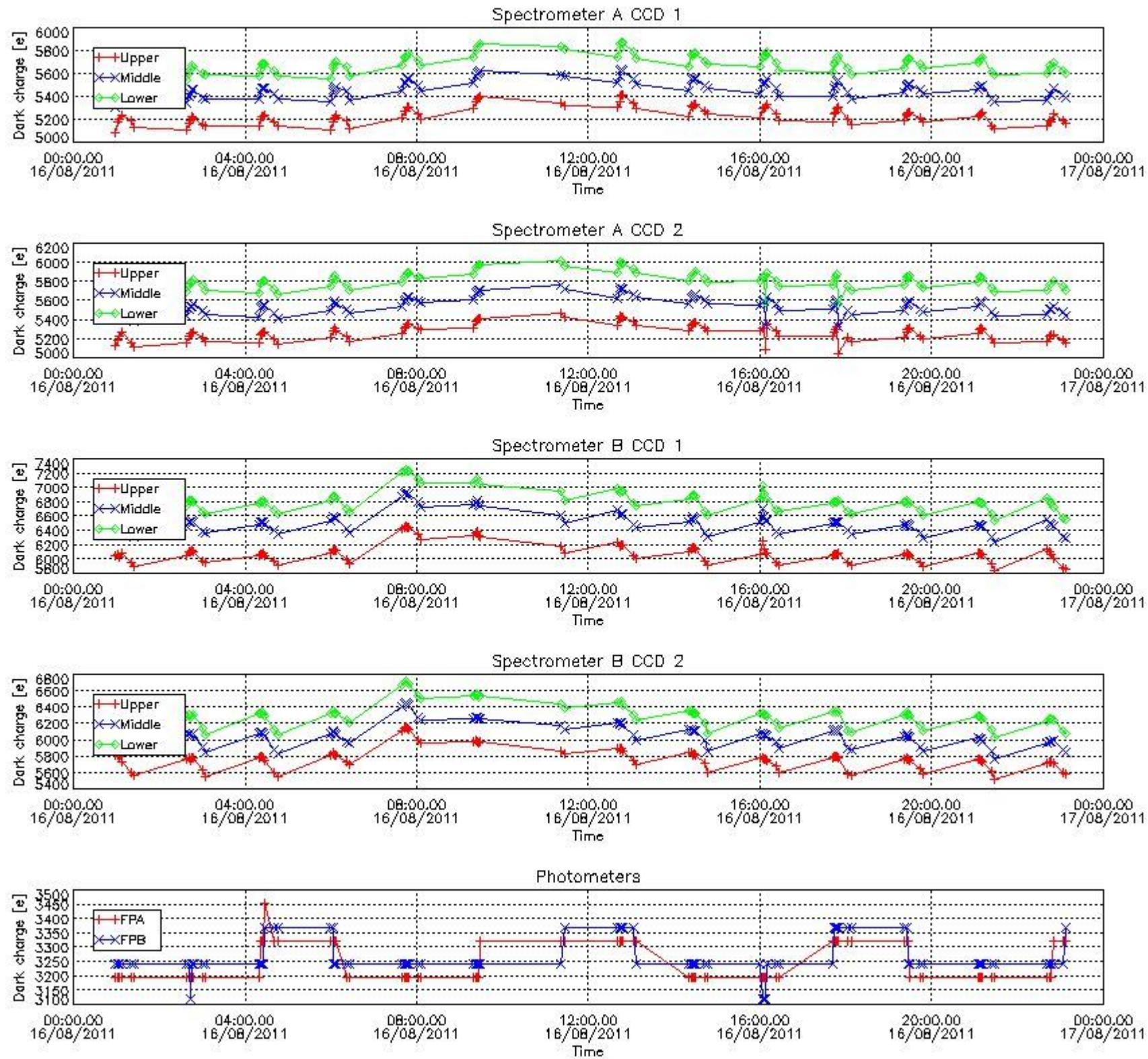
#### 4.1 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDK20110816_112214_000000513105_00325_49477_1596.N1	DC map used
GOM_TRA_1PNPDK20110816_112611_000000483105_00325_49477_1597.N1	DC map used
GOM_TRA_1PNPDK20110816_113156_000000553105_00325_49477_1598.N1	DC map used
GOM_TRA_1PNPDK20110816_113522_000000413105_00325_49477_1599.N1	DC map used
GOM_TRA_1PNPDK20110816_113919_000000543105_00325_49477_1600.N1	DC map used
GOM_TRA_1PNPDE20110816_195634_000000393105_00330_49482_5483.N1	DC map used
GOM_TRA_1PNPDE20110816_200031_000000533105_00330_49482_5484.N1	DC map used
GOM_TRA_1PNPDE20110816_200603_000000433105_00330_49482_5485.N1	DC map used



GOM_TRA_1PNPDE20110816_200927_000000413105_00330_49482_5486.N1	DC map used
GOM_TRA_1PNPDE20110816_201124_000000483105_00330_49482_5487.N1	DC map used
GOM_TRA_1PNPDE20110816_201433_000000453105_00330_49482_5488.N1	DC map used
GOM_TRA_1PNPDE20110816_202103_000000383105_00330_49482_5489.N1	DC map used
GOM_TRA_1PNPDE20110816_202241_000000353105_00330_49482_5490.N1	DC map used
GOM_TRA_1PNPDE20110816_202415_000000413105_00330_49482_5491.N1	DC map used
GOM_TRA_1PNPDE20110816_202933_000000393105_00330_49482_5492.N1	DC map used
GOM_TRA_1PNPDE20110816_203408_000000263105_00330_49482_5493.N1	DC map used
GOM_TRA_1PNPDE20110816_204909_000000503105_00330_49482_5494.N1	DC map used
GOM_TRA_1PNPDE20110816_205206_000000483105_00330_49482_5495.N1	DC map used
GOM_TRA_1PNPDE20110816_205514_000000533105_00330_49482_5496.N1	DC map used
GOM_TRA_1PNPDE20110816_205804_000000393105_00330_49482_5497.N1	DC map used

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



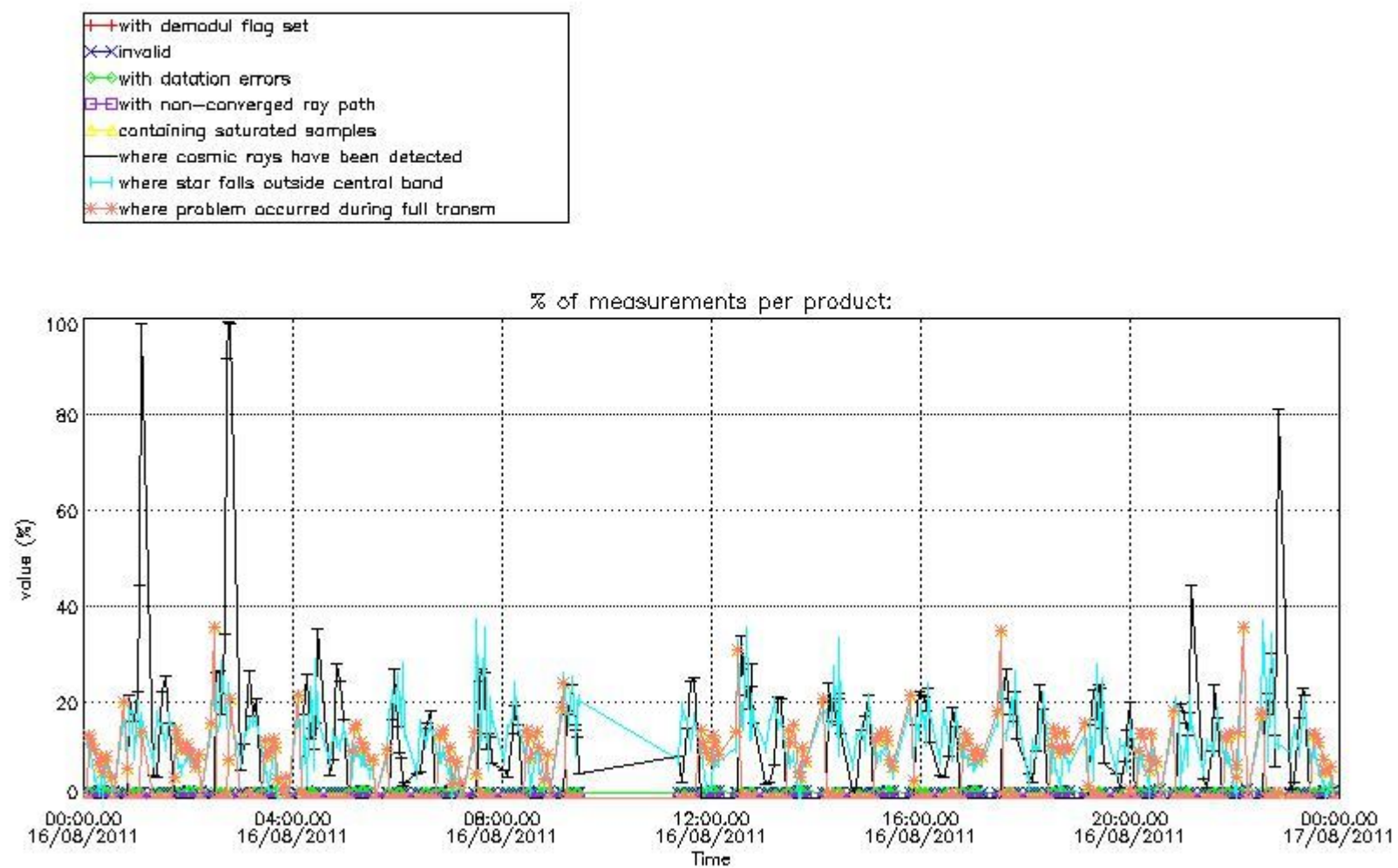
## 5. Demodulation flag and quality information monitoring

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:

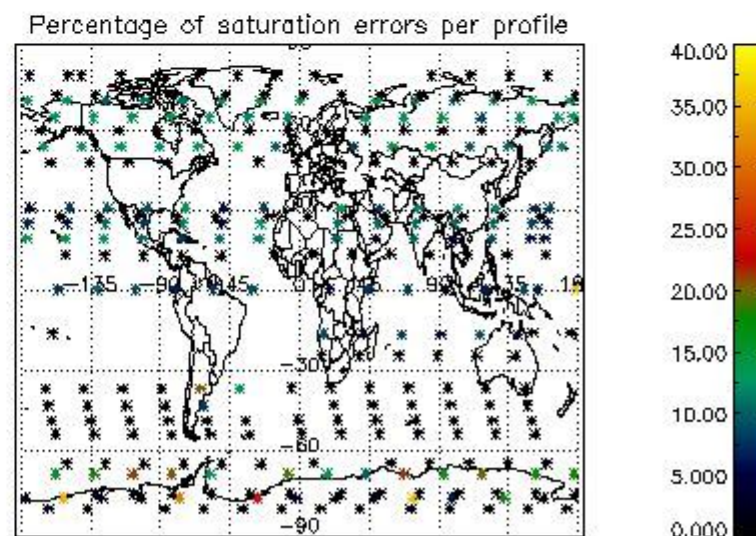
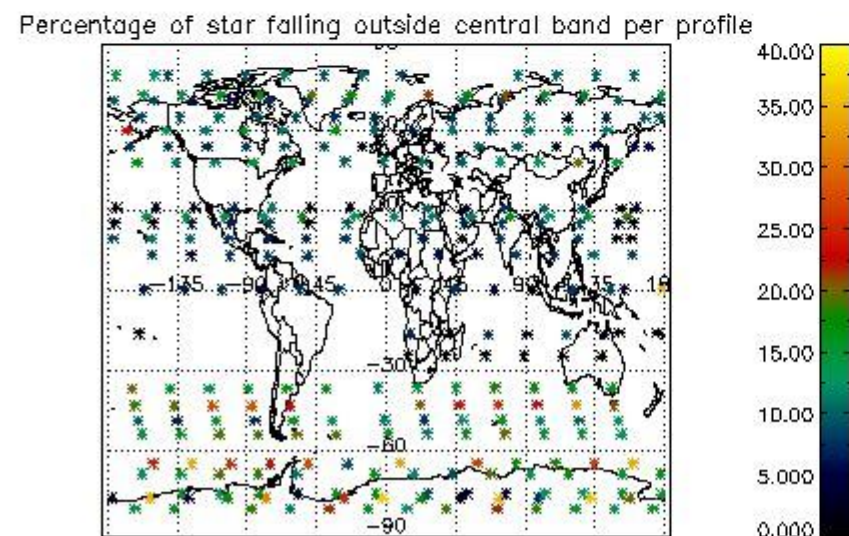
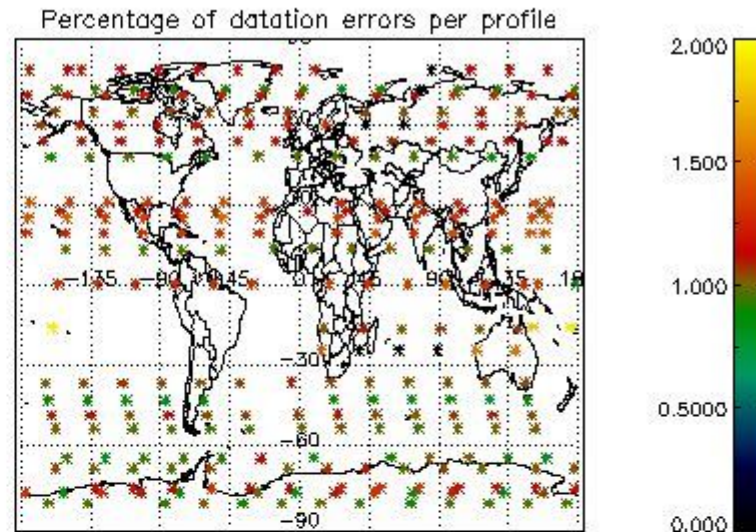
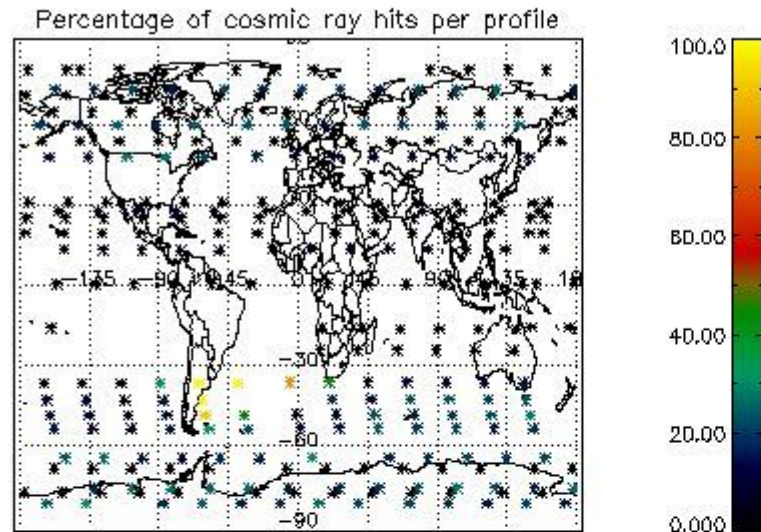
At least one measurement with demodulation flag set:	48.1967 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	46.8852 %

### 5.2 Plot quality information per product (time dependant)



### 5.3 Plot quality information per product (world map)





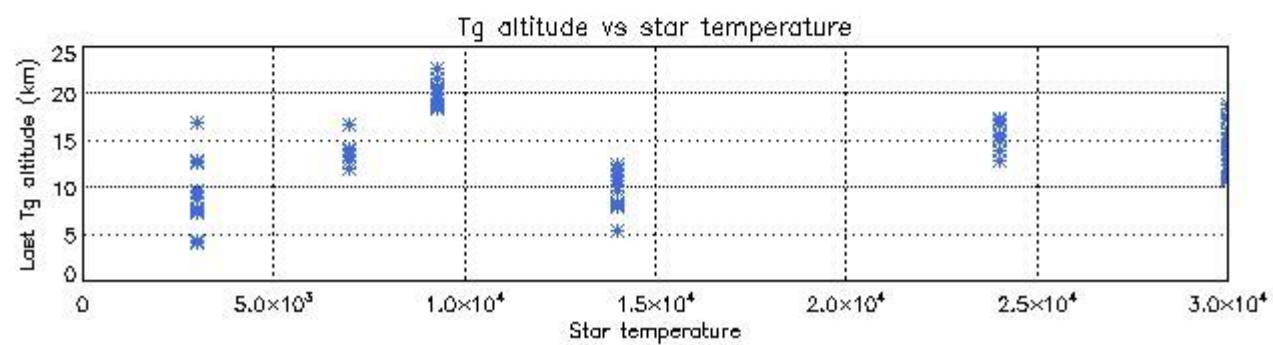
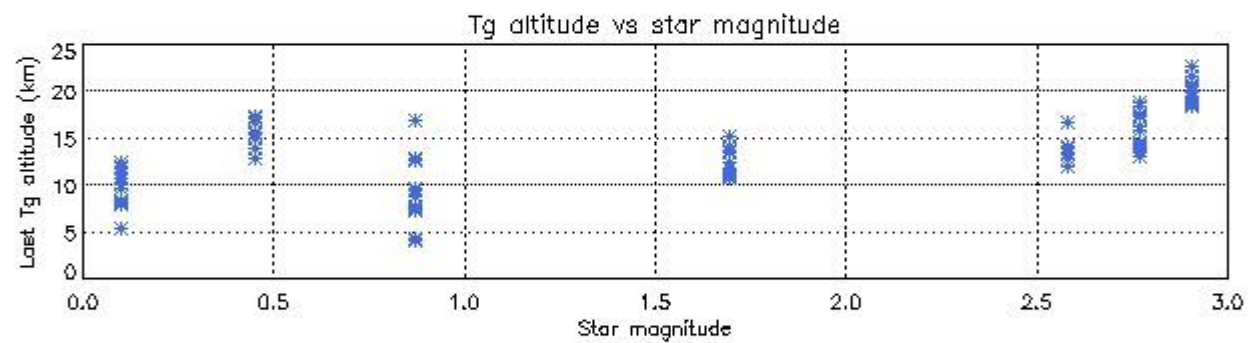
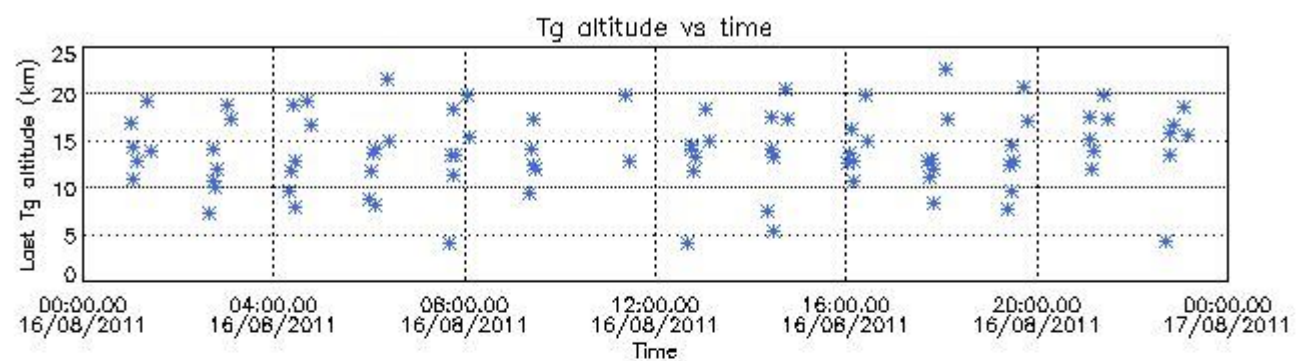
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.880	18.905	NaN
St. deviation:	4.0766	4.4395	NaN
Maximum:	22.711	28.997	NaN
Minimum:	4.1205	3.3218	NaN
Number of data:	88.000	143.00	NaN

### 6.2 Plot for DARK limb products

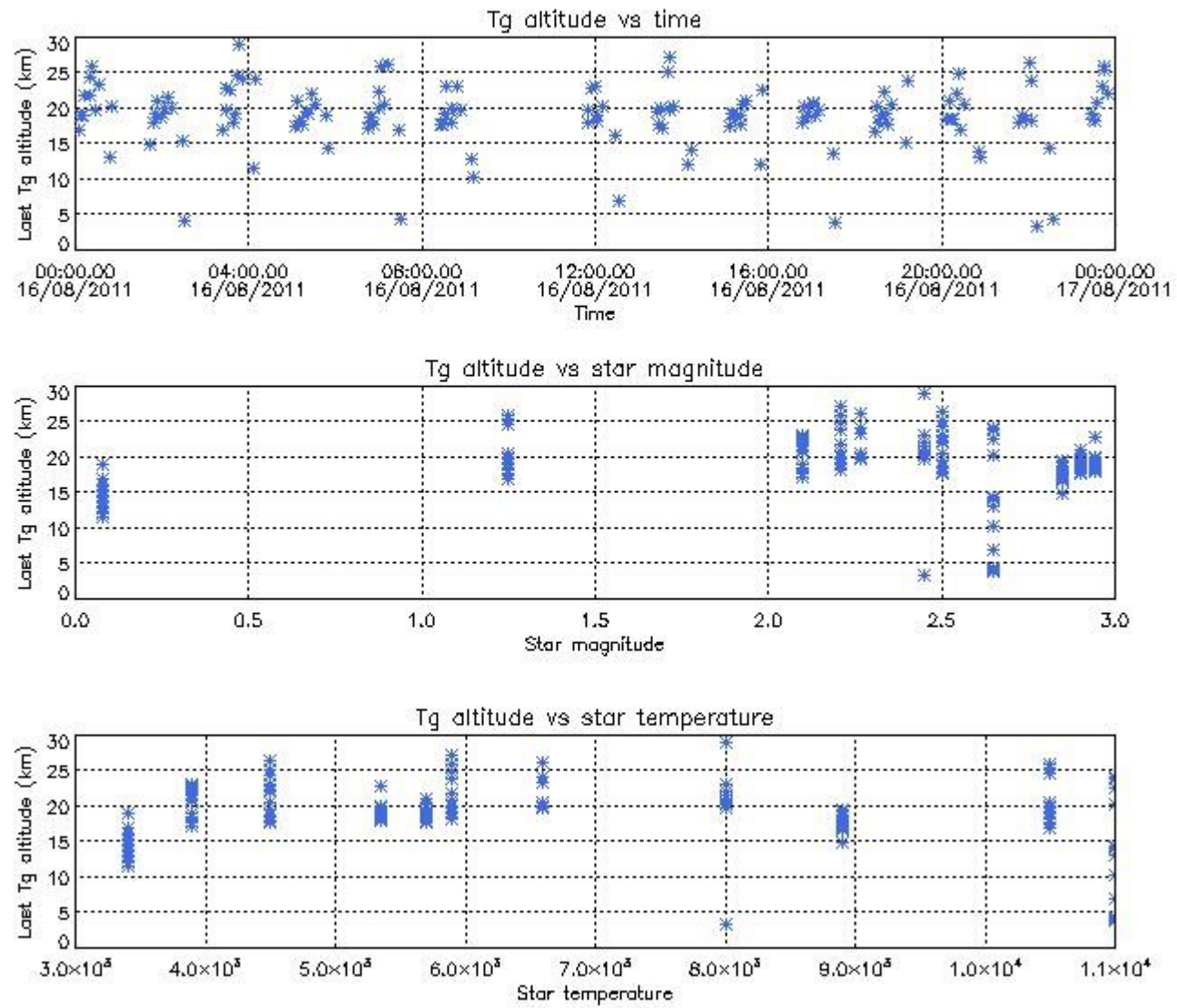
Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products



## Tangent altitude at which the star is lost



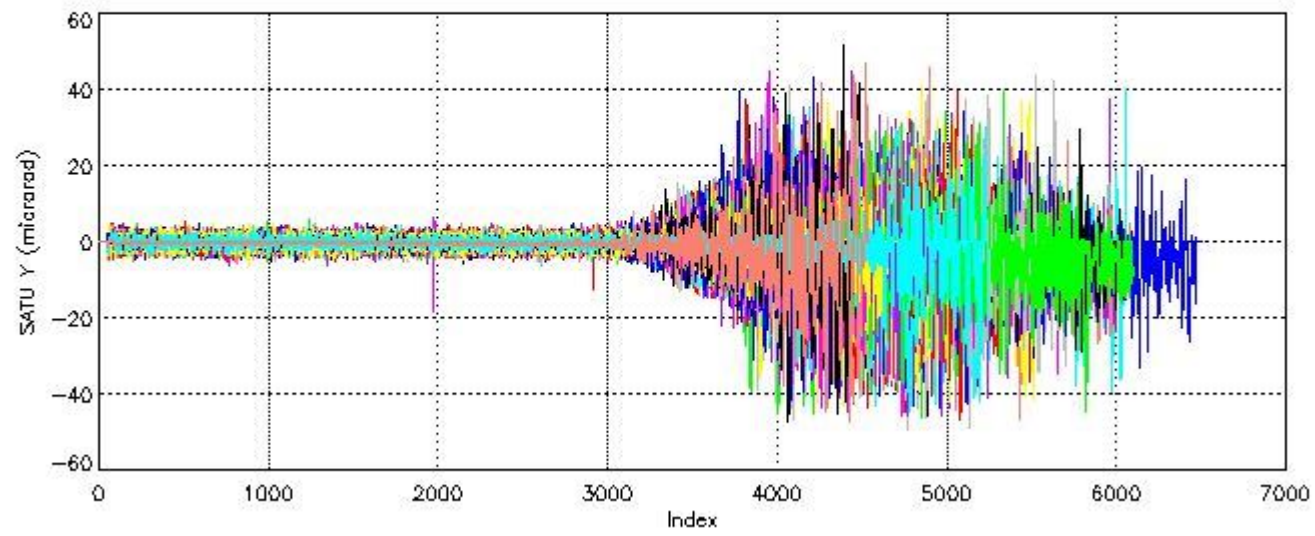
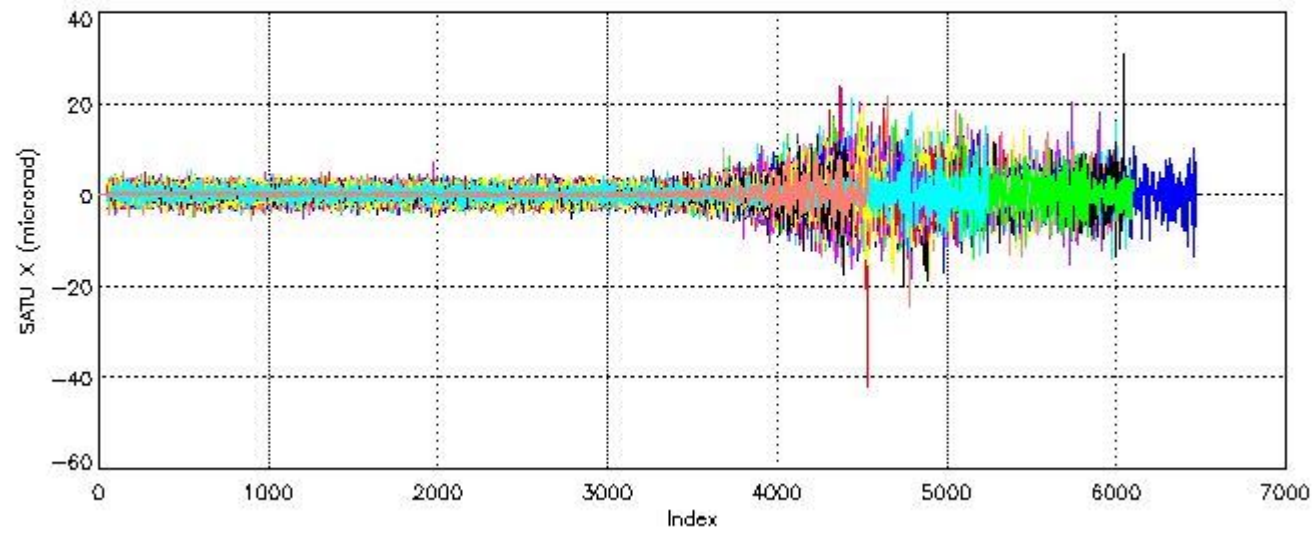
## 7. Star Acquisition and Tracking Unit (SATU)

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

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

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





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

The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere.

Statistics (in microradians) above 105 km are computed for every occultation, giving four values per occultation: one in the 'X' direction and one in the 'Y' direction for dark and bright limbs. A mean value per day in every direction and limb is calculated and monitored in order to assess instrument performance in terms of star pointing.

### 7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.17984	-0.23498	0.21428	-0.24051
St. deviation:	0.60333	0.68310	0.68918	0.75806
Maximum:	5.4000	5.3000	5.3000	4.7000
Minimum:	-5.8000	-6.1000	-5.0000	-5.3000

Number of data:	93750.	93750.	1.3815E+05	1.3815E+05
90Percentile:	1.0000	0.70000	1.1000	0.70000

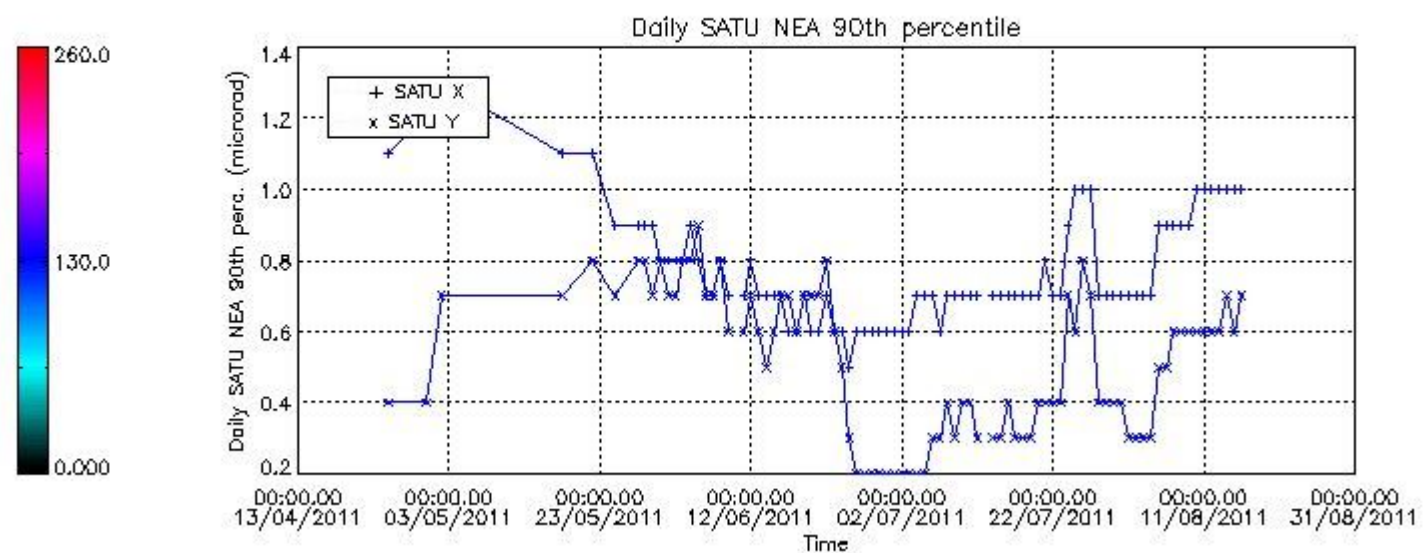
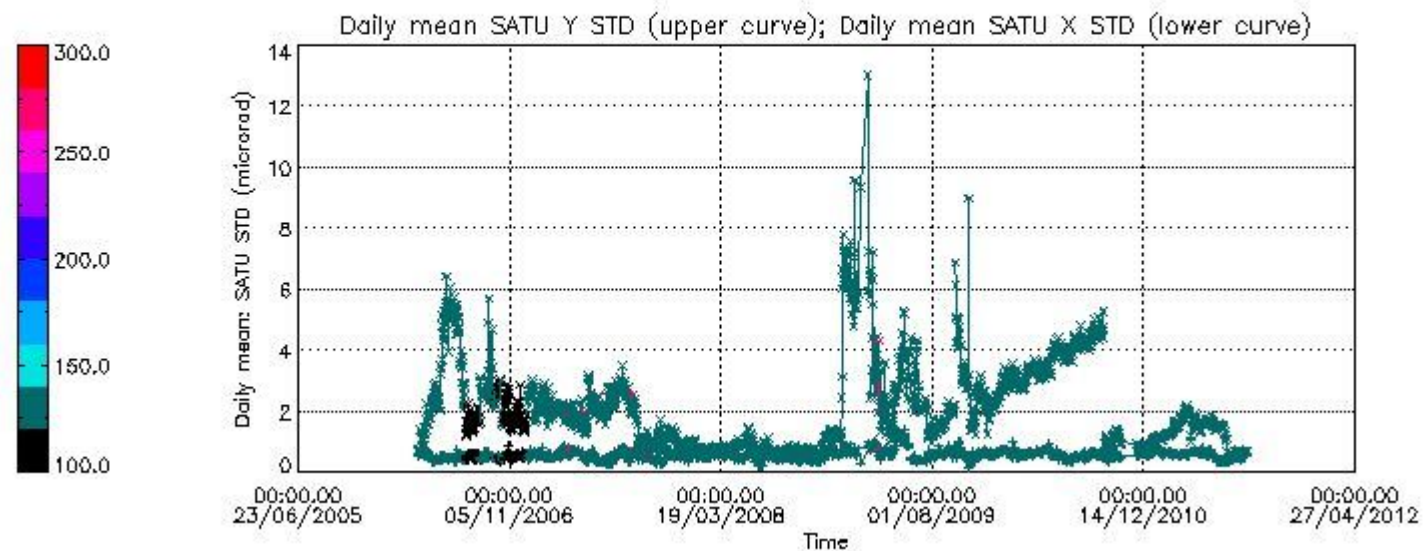
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb) and of daily SATU NEA 90th percentile since May 2011

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

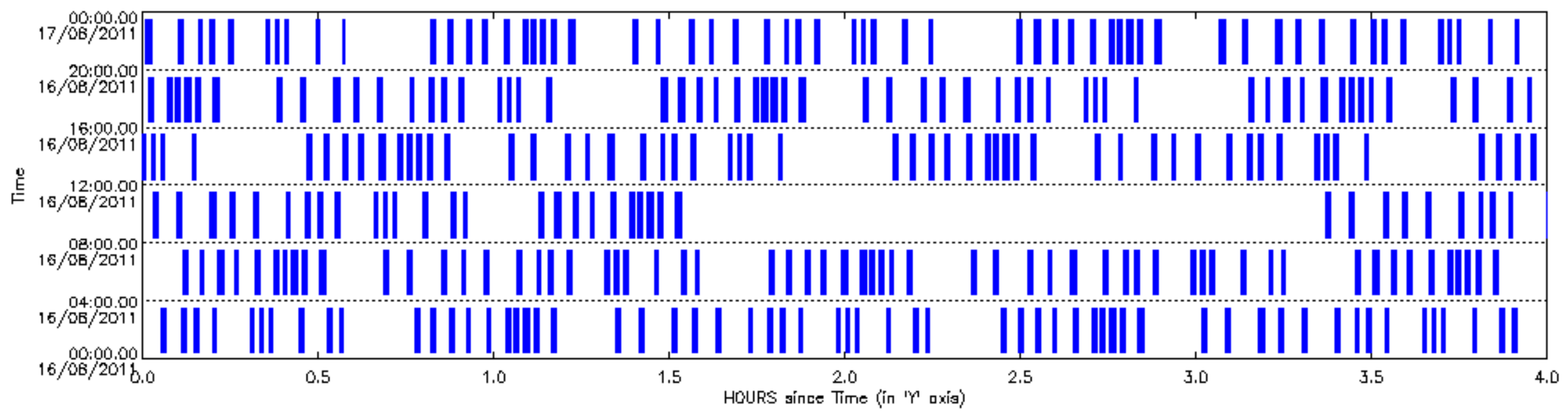


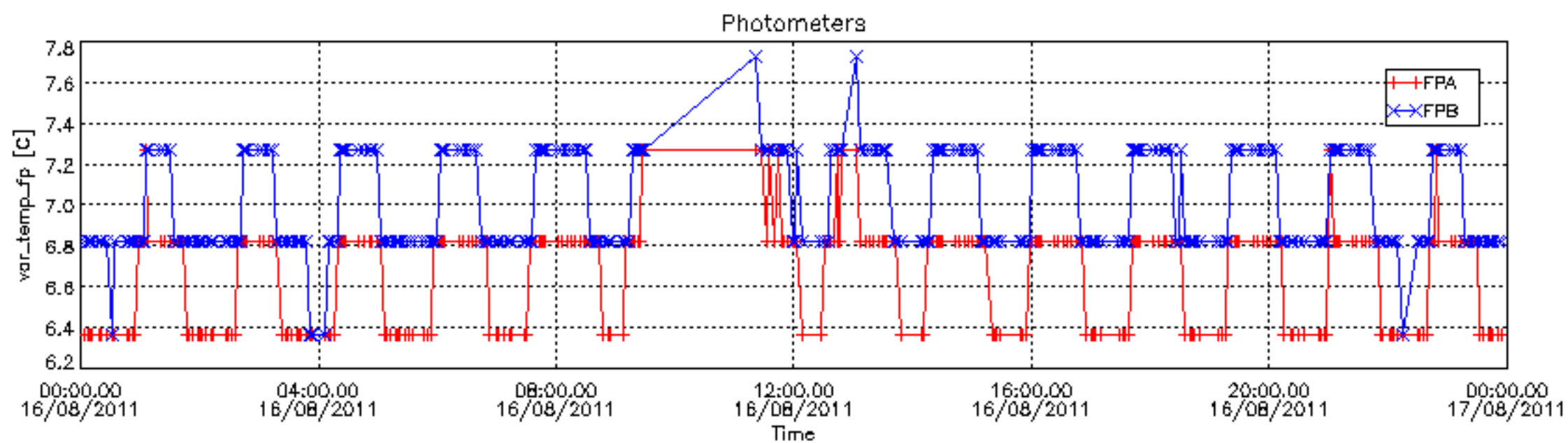
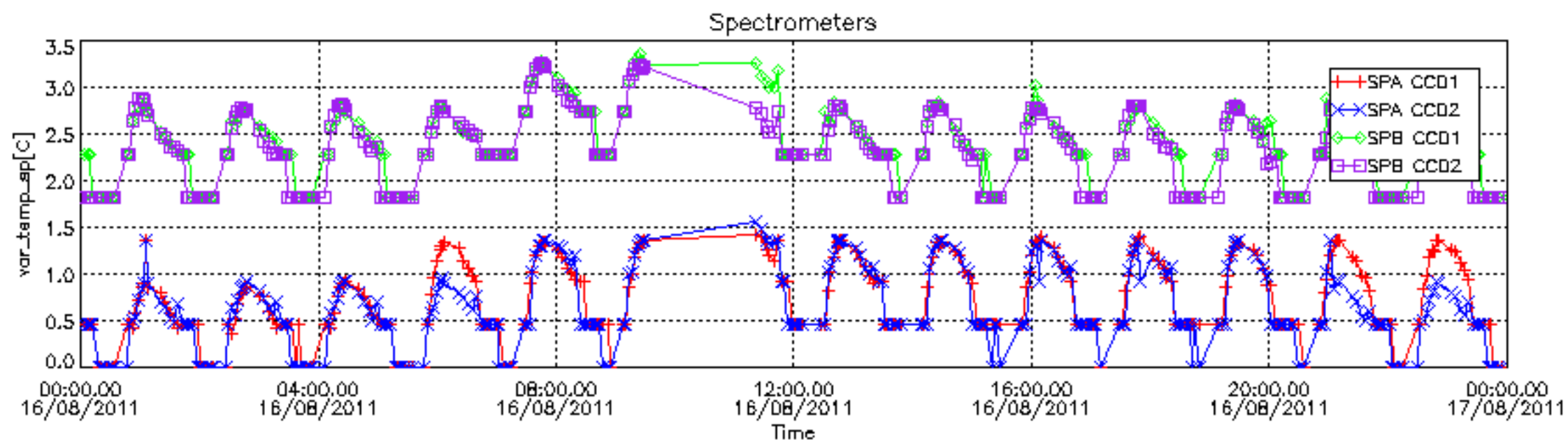
### 8. Auxiliary Data Files used for the production reported in section 2.4

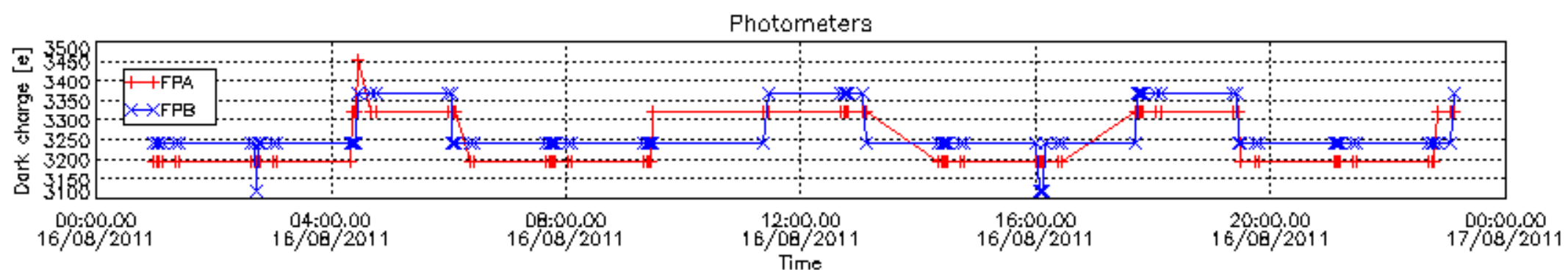
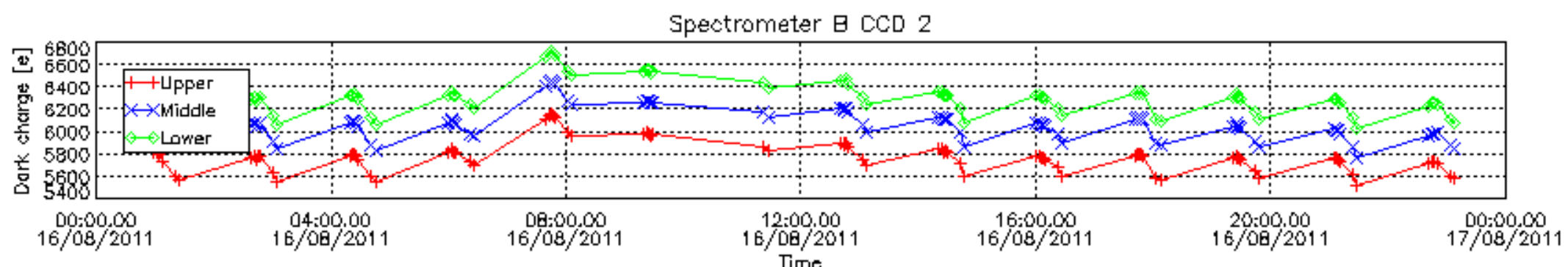
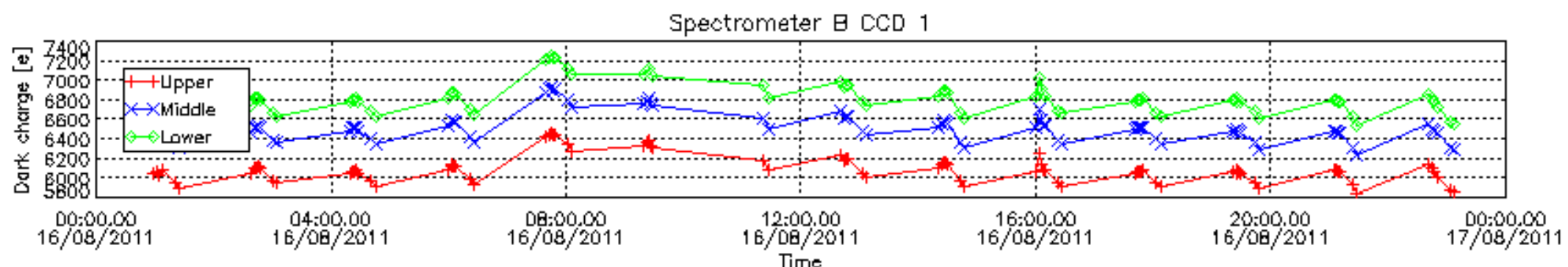
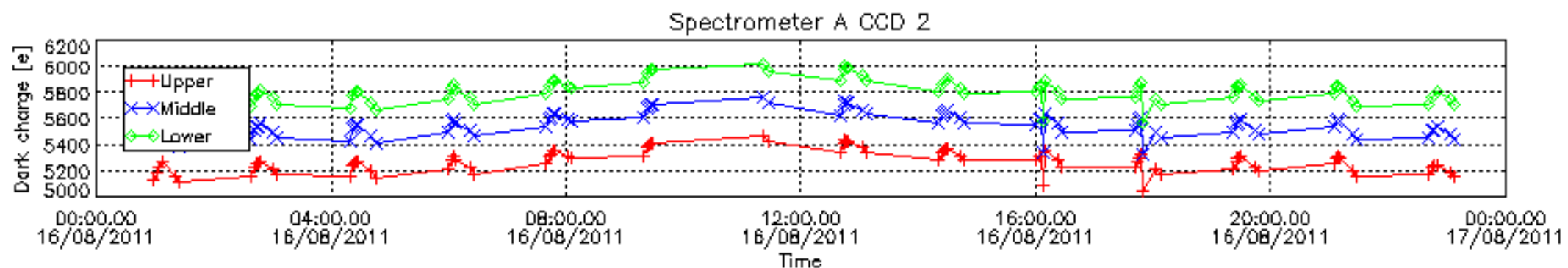
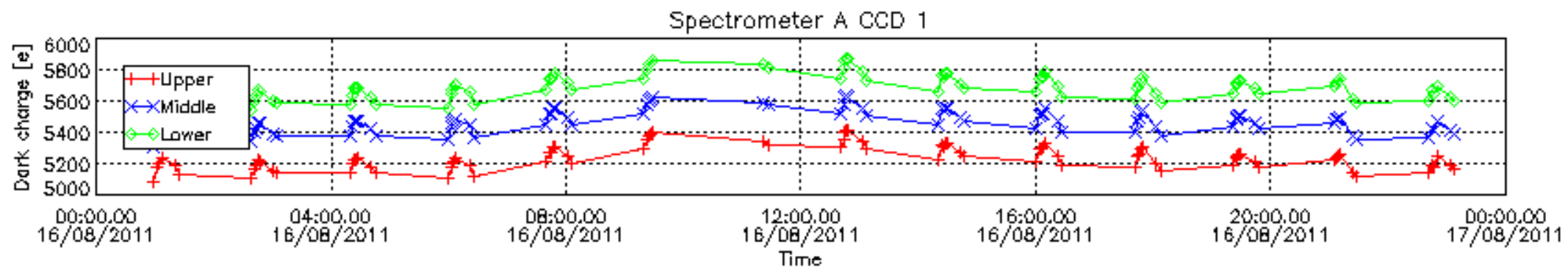
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	16-AUG-2011 00:03:14
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110809_072920_20110808_000000_20500101_000000	1	16-AUG-2011 00:03:14
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20110513_081743_20020301_000000_20500101_000000	1	16-AUG-2011 00:03:14
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	16-AUG-2011 00:03:14
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	16-AUG-2011 00:03:14
ECMWF_FILE	AUX_ECF_AXNECM20110815_063541_20110815_210000_20110816_090000	1	16-AUG-2011 00:03:14
ECMWF_FILE	AUX_ECF_AXNECM20110815_183540_20110816_030000_20110816_150000	59	16-AUG-2011 04:06:50
ECMWF_FILE	AUX_ECA_AXNECM20110816_062115_20110815_210000_20110816_090000	83	16-AUG-2011 05:47:04
ECMWF_FILE	AUX_ECF_AXNECM20110815_183540_20110816_030000_20110816_150000	122	16-AUG-2011 08:27:49
ECMWF_FILE	AUX_ECF_AXNECM20110816_062115_20110816_090000_20110816_210000	140	16-AUG-2011 11:22:14
ECMWF_FILE	AUX_ECF_AXNECM20110816_062116_20110816_150000_20110817_030000	189	16-AUG-2011 15:05:20
ECMWF_FILE	AUX_ECF_AXNECM20110816_062116_20110816_210000_20110817_090000	268	16-AUG-2011 21:01:38
OPTIONAL_ECMWF_FILE	MISSING	1	16-AUG-2011 00:03:14
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110815_101541_20110814_191254_20110824_212641	1	16-AUG-2011 00:03:14
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110816_102115_20110815_183610_20110825_204957	140	16-AUG-2011 11:22:14

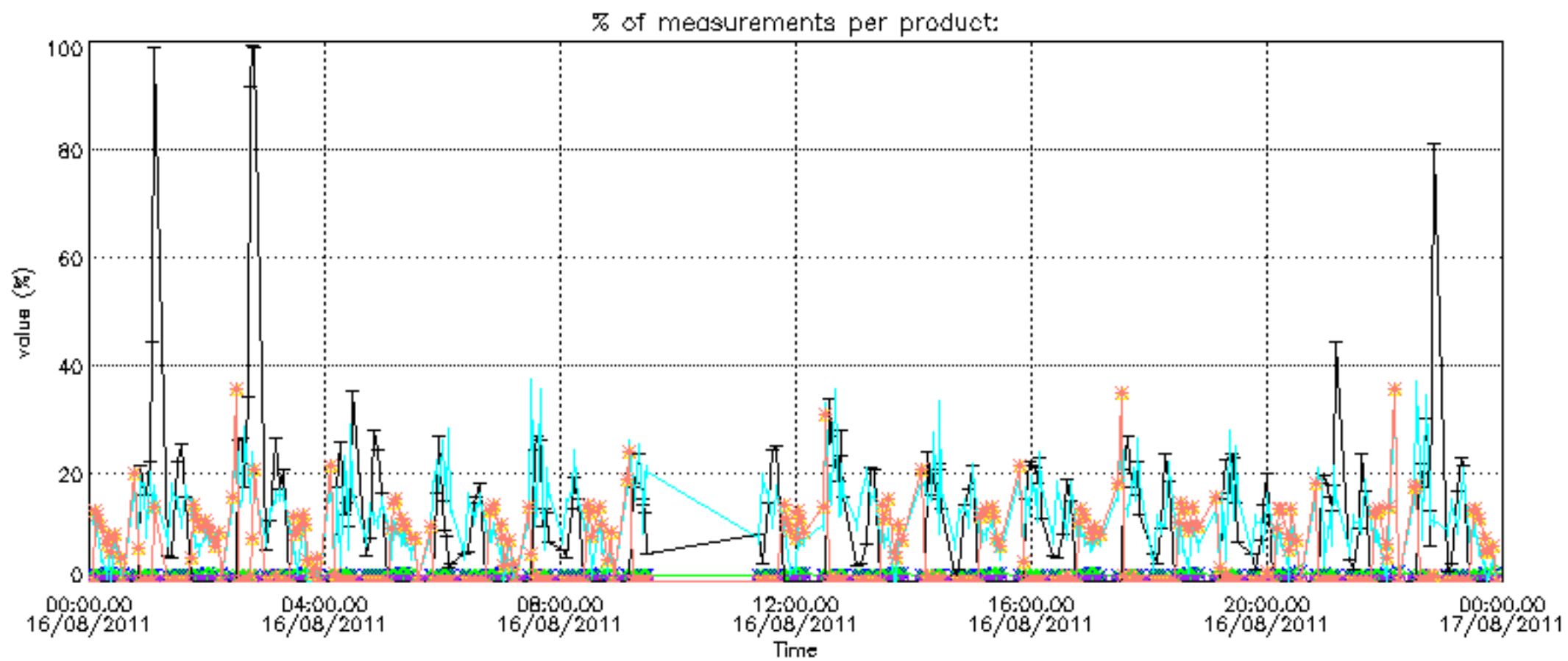




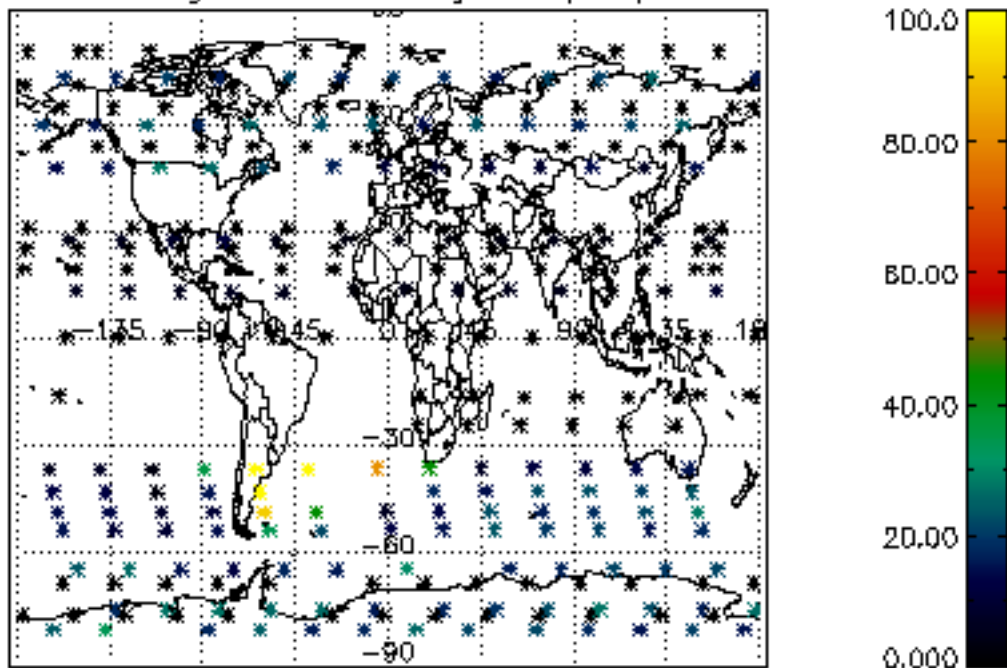




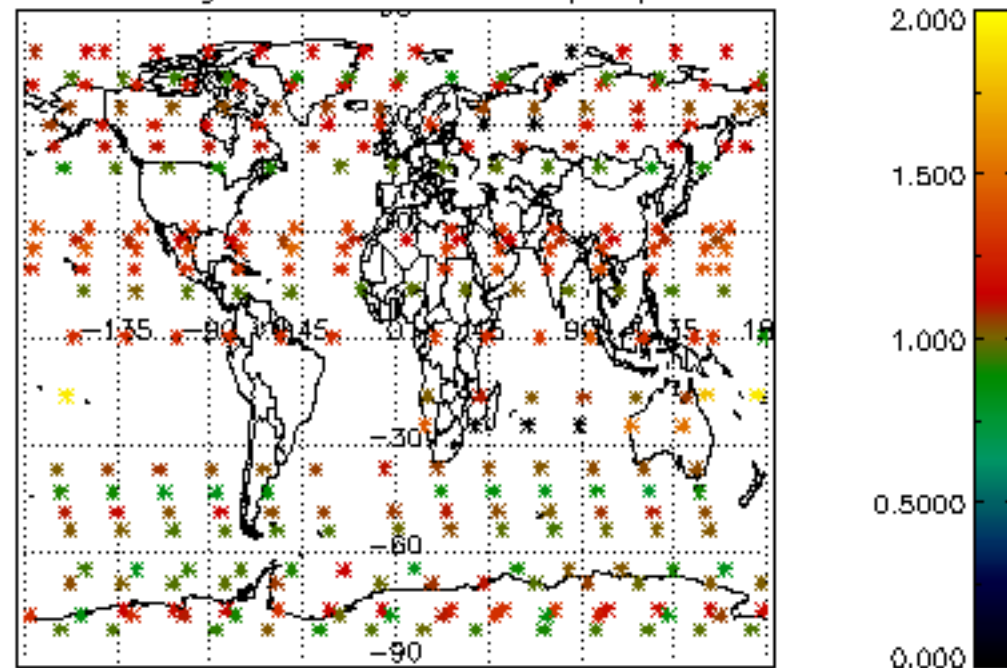




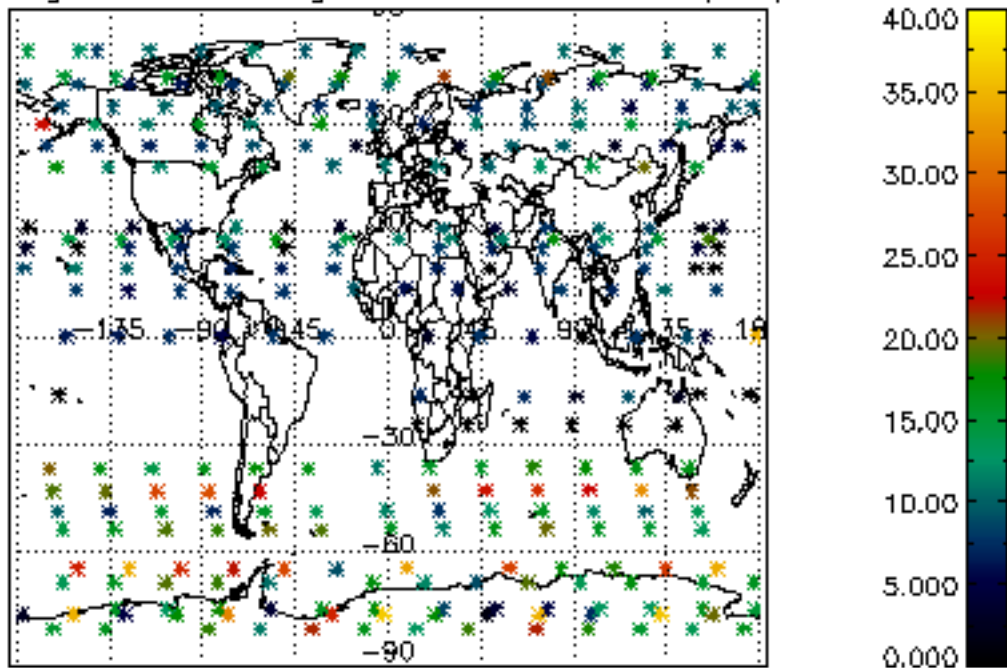
Percentage of cosmic ray hits per profile



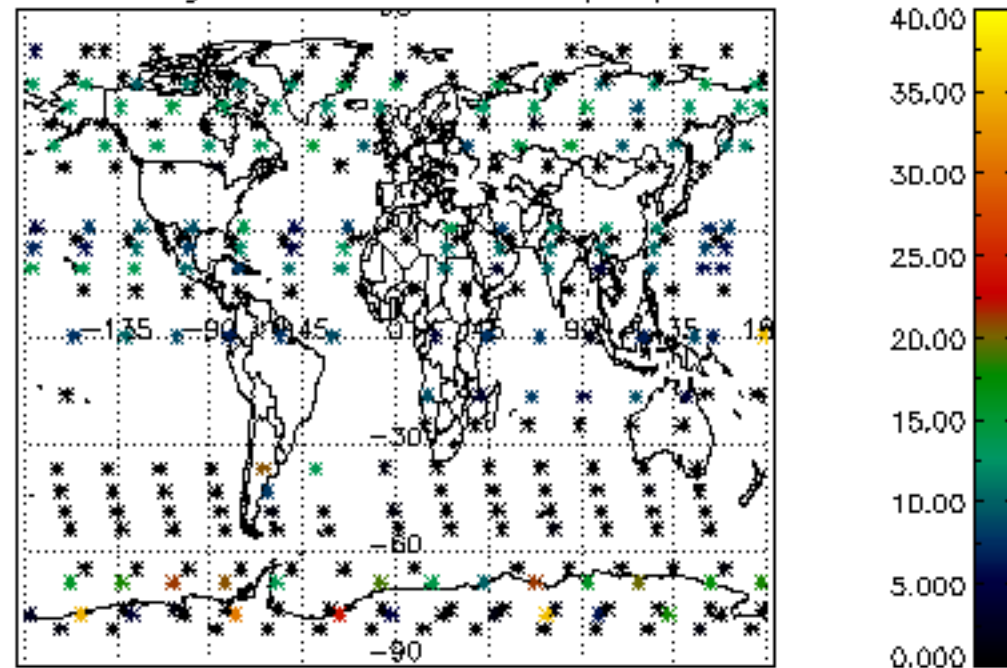
Percentage of datation errors per profile



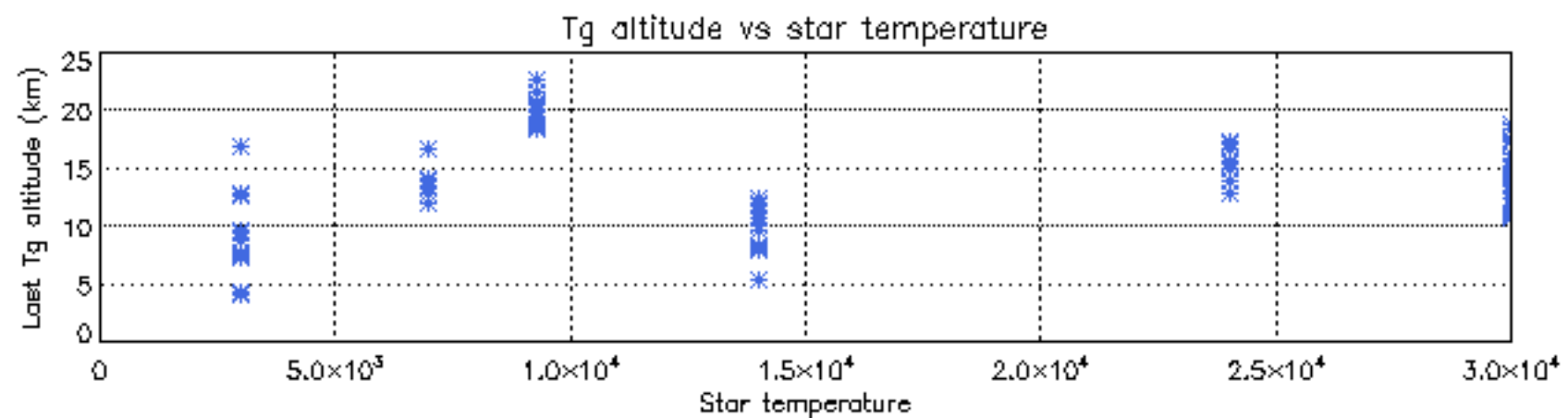
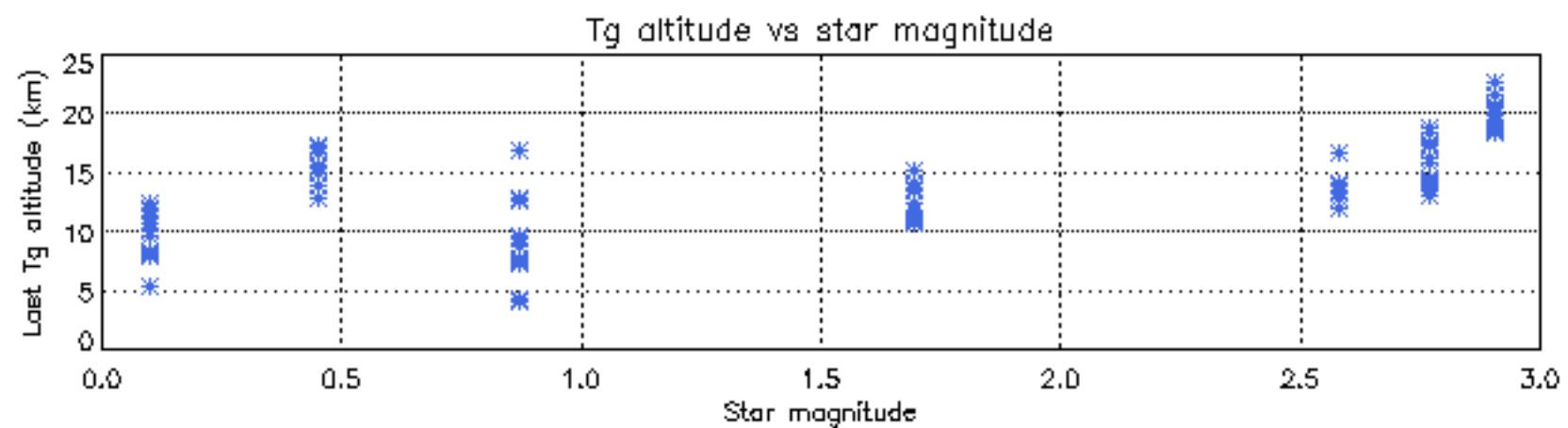
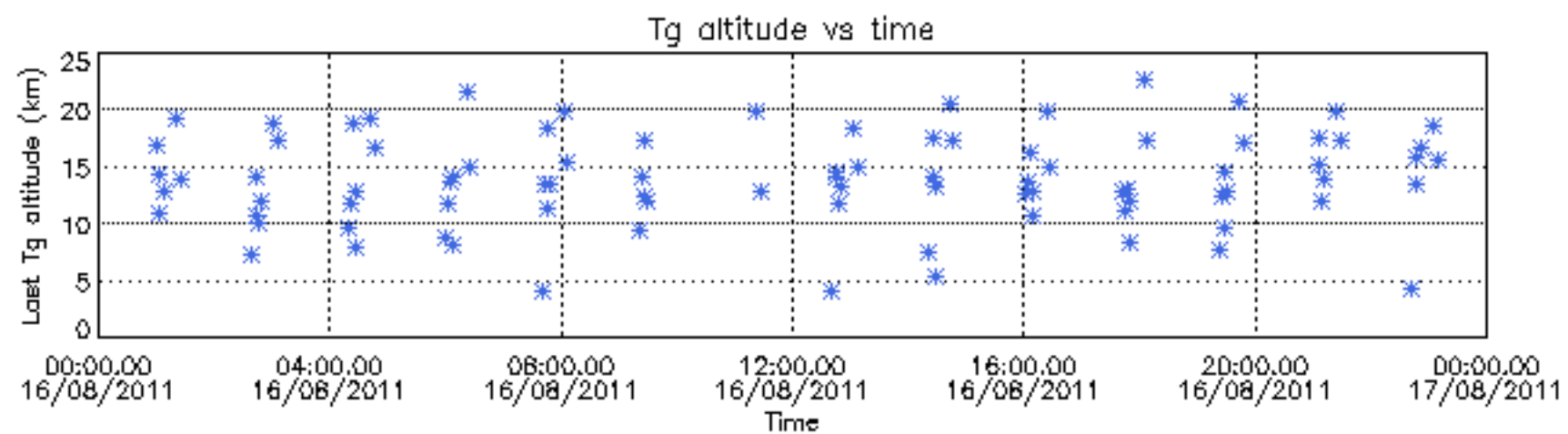
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

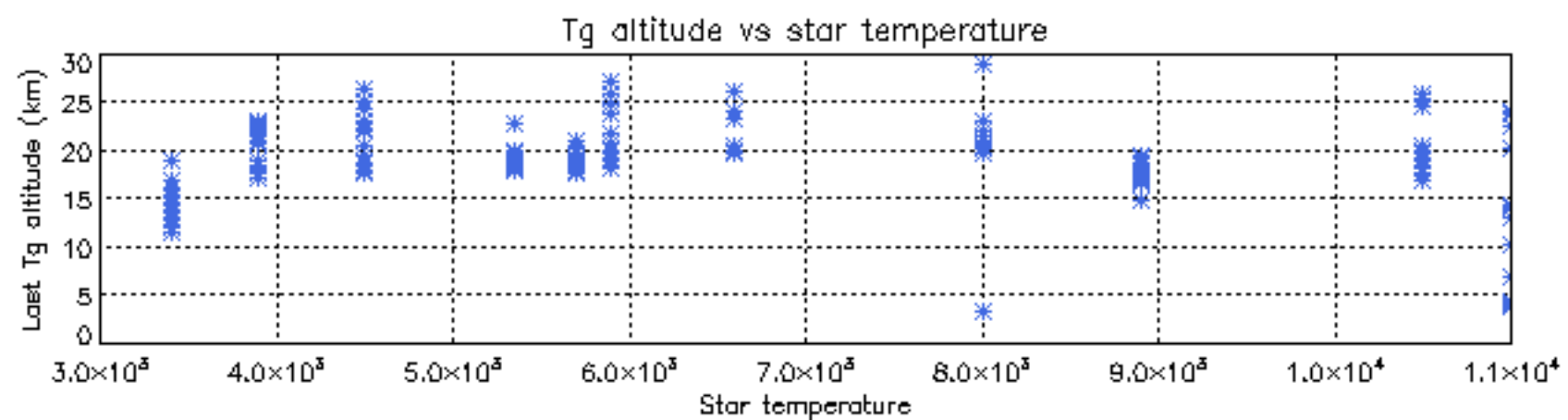
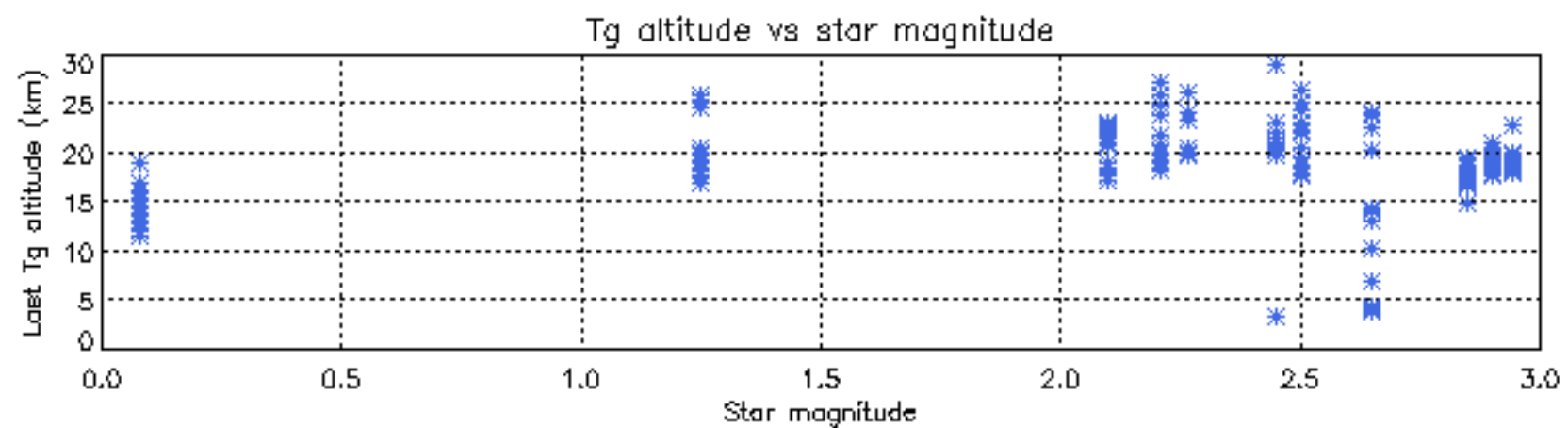
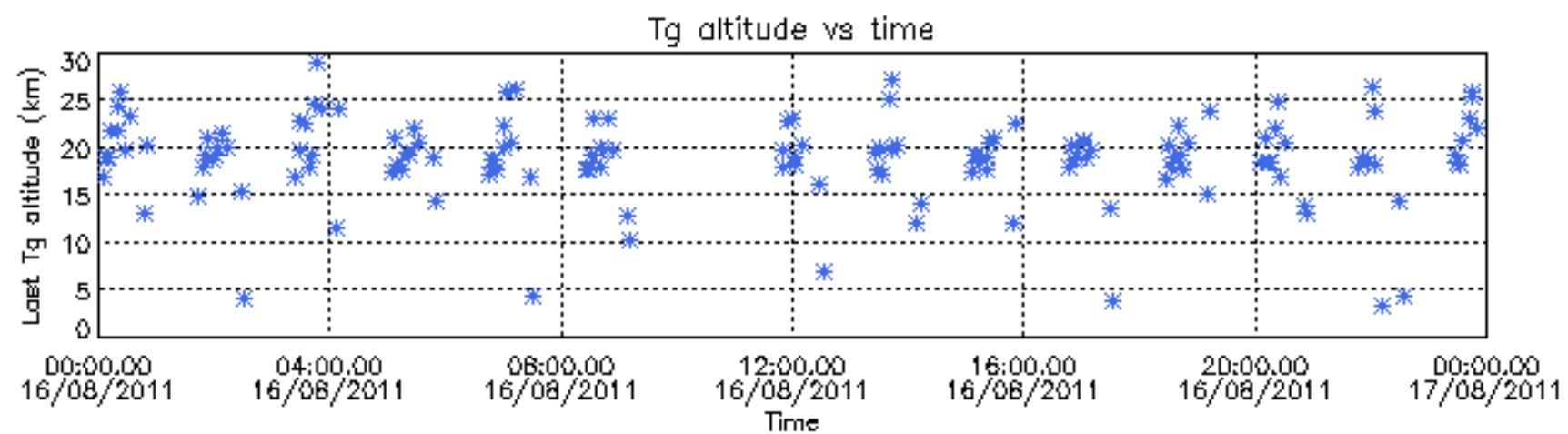


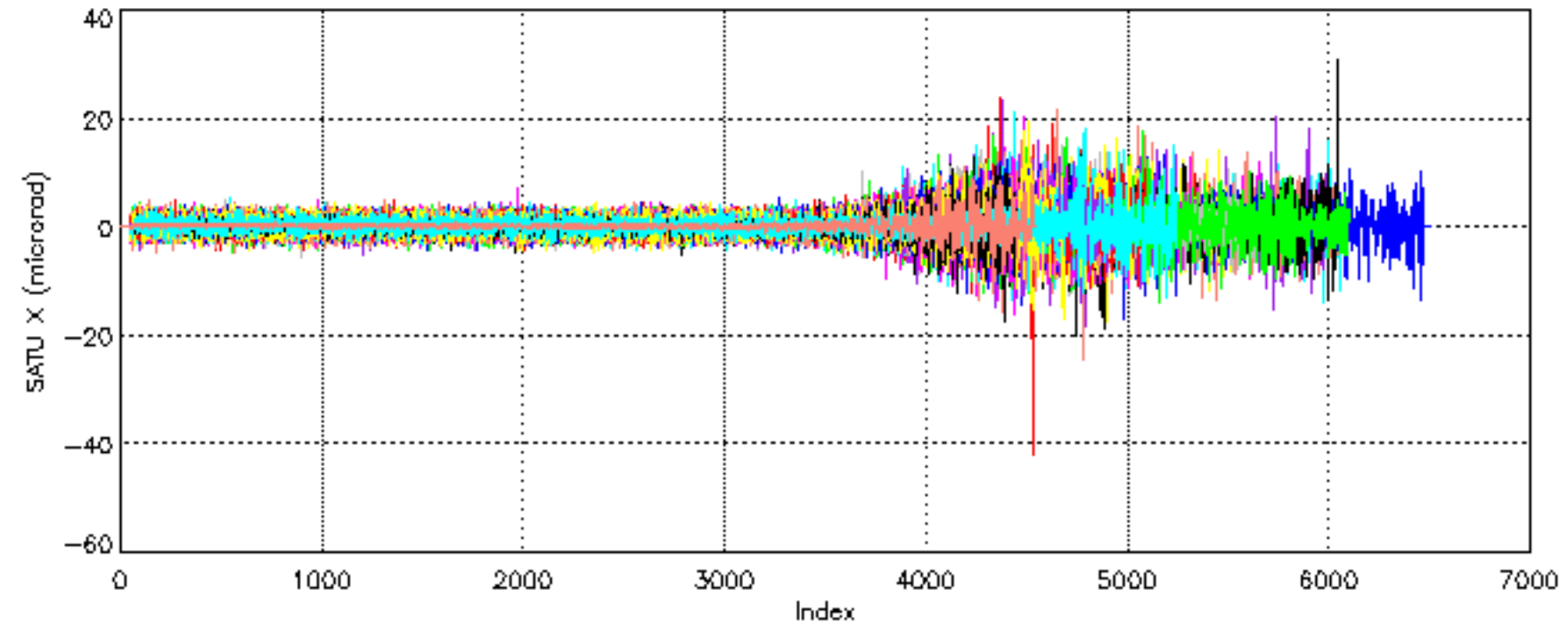
Tangent altitude at which the star is lost

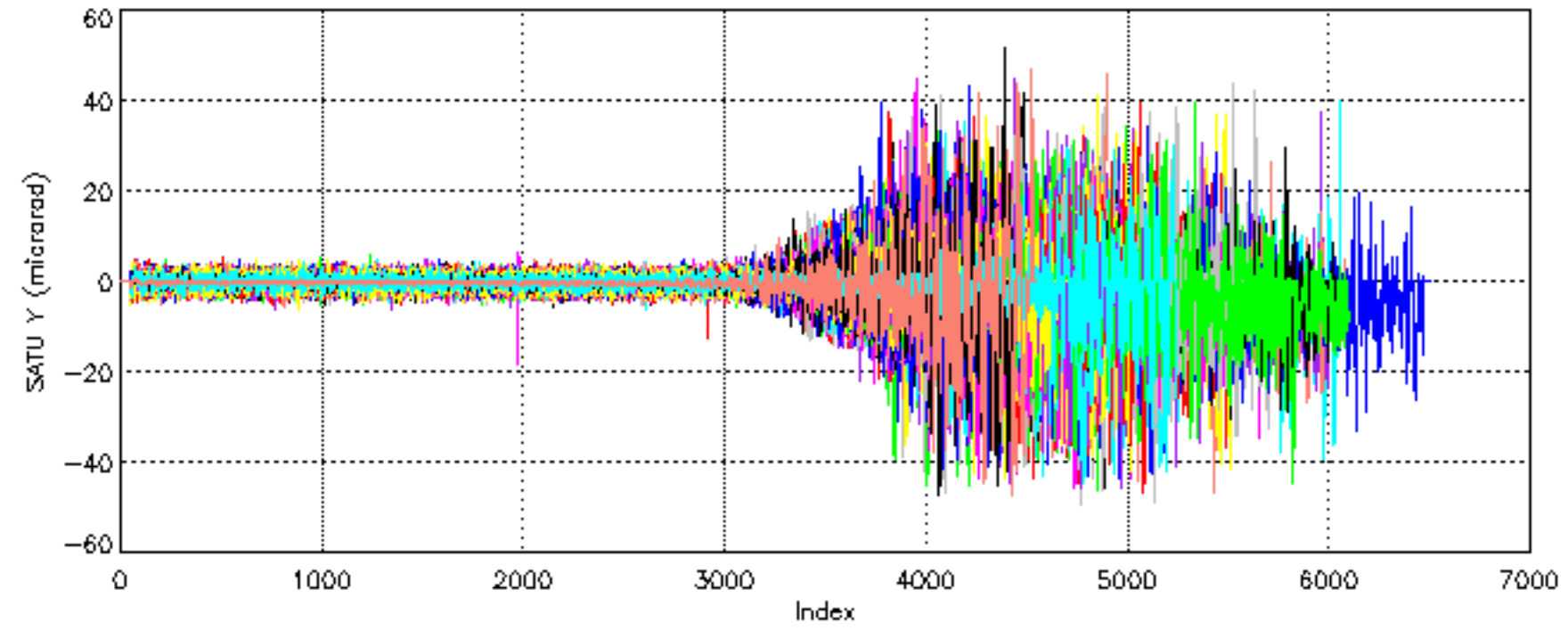




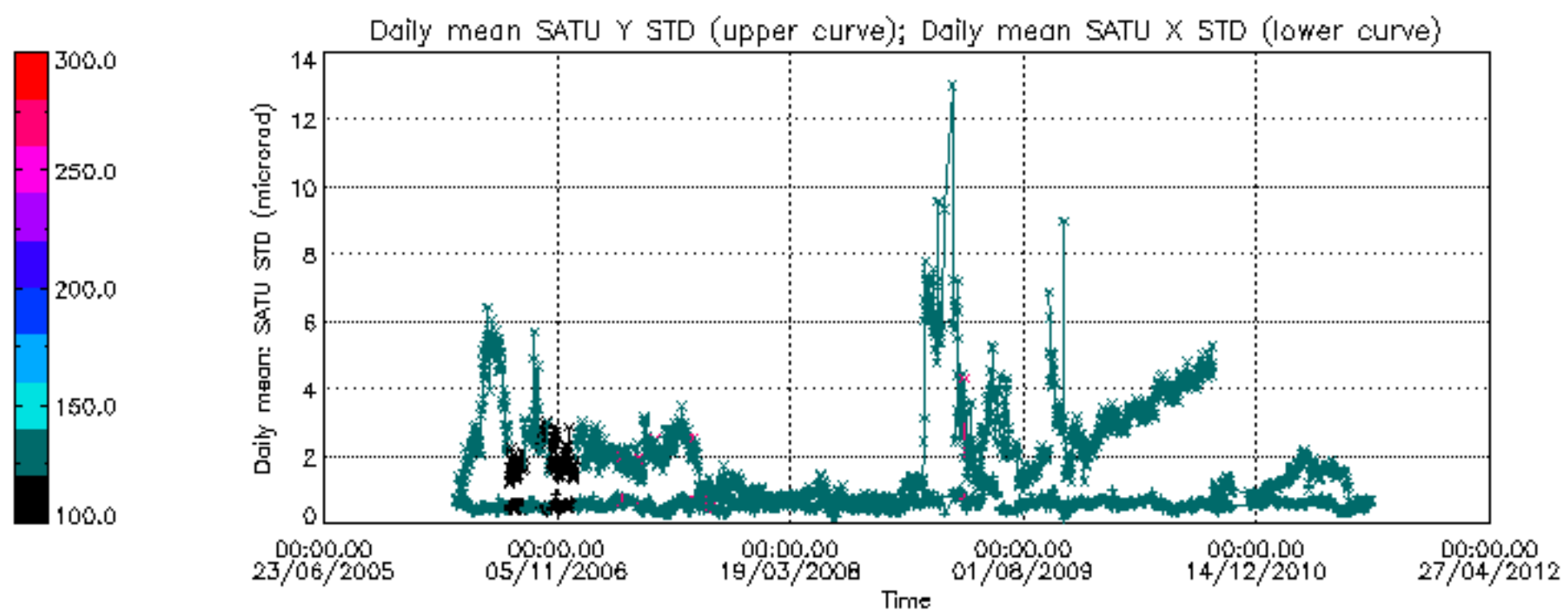
Tangent altitude at which the star is lost

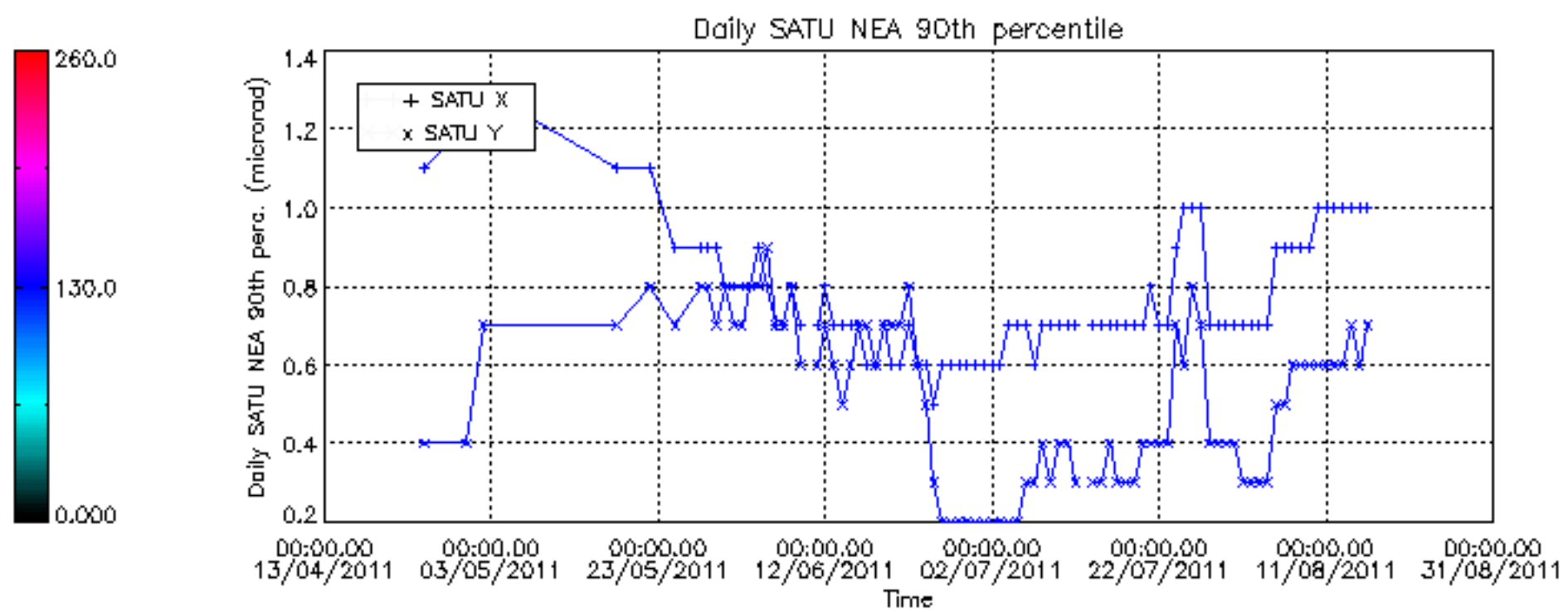












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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20110801_103324_000008403105_00109_49261_4939.N1
 1; 313.1; 01-AUG-2011 10:33:24; Dark ; 50.5; 9; Alp Eri ; 0.45; 24000;occ; 101; 0;49261
 2; 604.0; 01-AUG-2011 10:38:15; Dark ; 57.0; 84; Alp Phe ; 2.40; 4500;occ; 114; 0;49261
 3; 920.3; 01-AUG-2011 10:43:31; Dark ; 47.0; 31; Alp Gru ; 1.73; 15200;occ; 94; 0;49261
 4; 1107.1; 01-AUG-2011 10:46:38; Dark ; 46.0; 172; Gam Gru ; 3.00; 13100;occ; 92; 0;49261
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20110801_001705_000057693105_00102_49254_6225.N1
 1; -581.9; 01-AUG-2011 00:17:05; Dark ; 55.0; 165; 34Gam Eri ; 2.95; 3200;occ; 110; 0;49254
 2; -292.6; 01-AUG-2011 00:21:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49254
 3; 308.7; 01-AUG-2011 00:31:56; Dark ; 45.0; 9; Alp Eri ; 0.45; 24000;occ; 90; 0;49255
 4; 597.5; 01-AUG-2011 00:36:45; Dark ; 63.0; 84; Alp Phe ; 2.40; 4500;occ; 126; 0;49255
 5; 917.1; 01-AUG-2011 00:42:04; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;49255
 6; 1104.3; 01-AUG-2011 00:45:11; Dark ; 45.5; 172; Gam Gru ; 3.00; 13100;occ; 91; 0;49255
 7; 2045.9; 01-AUG-2011 01:00:53; Bright; 38.0; 11; 53Alp Aql ; 0.76; 8000;occ; 76; 0;49255
 8; 2557.5; 01-AUG-2011 01:09:25; Bright; 42.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 85; 0;49255
 9; 2677.0; 01-AUG-2011 01:11:24; Bright; 35.5; 144; 18Del Cyg ; 2.86; 11000;occ; 71; 0;49255
10; 3068.6; 01-AUG-2011 01:17:56; Bright; 40.5; 89; 5Alp Cep ; 2.45; 8000;occ; 81; 0;49255
11; 3952.5; 01-AUG-2011 01:32:40; Bright; 50.0; 160; 23Gam Per ; 2.93; 4700;occ; 100; 0;49255
12; 4052.6; 01-AUG-2011 01:34:20; Bright; 50.0; 35; 33Alp Per ; 1.79; 6250;occ; 100; 0;49255
13; 4179.7; 01-AUG-2011 01:36:27; Bright; 42.5; 6; 13Alp Aur ; 0.08; 3400;occ; 85; 0;49255
14; 4291.6; 01-AUG-2011 01:38:19; Bright; 47.5; 149; 45Eps Per ; 2.89; 30000;occ; 95; 0;49255
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19; 1800.6; 04-AUG-2011 04:07:17; Bright; 50.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 101; 0;49300
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17; 1125.3; 04-AUG-2011 07:16:29; Dark ; 45.0; 172; Gam Gru ; 3.00; 13100;occ; 90; 0;49302
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3; 2536.2; 04-AUG-2011 07:40:00; Bright; 42.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 85; 0;49302

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8; 4103.5; 04-AUG-2011 08:06:08; Bright; 48.0; 175; 39Del Per ; 3.01; 19400;occ; 96; 0;49302  
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9; 3930.4; 04-AUG-2011 21:25:06; Bright; 31.0; 160; 23Gam Per ; 2.93; 4700;occ; 62; 0;49310  
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11; 4288.3; 04-AUG-2011 21:31:04; Bright; 47.0; 149; 45Eps Per ; 2.89; 30000;occ; 94; 0;49310  
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6; 944.5; 04-AUG-2011 22:15:34; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;49311  
7; 1129.2; 04-AUG-2011 22:18:39; Dark ; 44.5; 172; Gam Gru ; 3.00; 13100;occ; 89; 0;49311  
8; 1565.1; 04-AUG-2011 22:25:55; Bright; 50.0; 142; 49Del Cap ; 2.85; 8900;occ; 100; 0;49311  
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 4; 132.4; 10-AUG-2011 23:22:18; Dark ; 49.0; 157; The1Eri ; 2.91; 9300;occ; 98; 0;49398  
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11; 4344.5; 14-AUG-2011 15:24:37; Bright; 47.0; 107; 37The Aur ; 2.65; 11000;occ; 94; 0;49450
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 9; 3292.3; 14-AUG-2011 16:47:18; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;49451
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13; 4697.0; 14-AUG-2011 17:10:43; Dark ; 45.0; 44; 24Gam Gem ; 1.93; 11000;occ; 90; 0;49451
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11; 3289.8; 14-AUG-2011 21:47:58; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;49454
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 5; 446.5; 14-AUG-2011 22:40:49; Dark ; 43.5; 9; Alp Eri ; 0.45; 24000;occ; 87; 0;49455
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 7; 1004.7; 14-AUG-2011 22:50:07; Dark ; 42.0; 31; Alp Gru ; 1.73; 15200;occ; 84; 0;49455
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12; 2101.4; 14-AUG-2011 23:08:24; Bright; 46.5; 61; 8Eps Peg ; 2.10; 3900;occ; 93; 0;49455
13; 2488.9; 14-AUG-2011 23:14:51; Bright; 36.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 72; 0;49455

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 23; 4906.4; 14-AUG-2011 23:55:09; Dark ; 56.0; 14; 58Alp Ori ; 0.87; 3000;occ; 112; 0;49455  
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4; 199.2; 15-AUG-2011 00:16:55; Dark ; 52.0; 157; The1Eri ; 2.91; 9300;occ; 104; 0;49456
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 31; 6816.5; 16-AUG-2011 03:10:42; Dark ; 55.0; 84; Alp Phe ; 2.40; 4500;occ; 110; 0;49472  
 32; 7024.9; 16-AUG-2011 03:14:11; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;49472  
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 37; 8110.4; 16-AUG-2011 03:32:16; Bright; 43.0; 61; 8Eps Peg ; 2.10; 3900;occ; 86; 0;49472  
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4; 1787.5; 17-AUG-2011 19:32:43; Bright; 40.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 81; 0;49496
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7; 2481.6; 17-AUG-2011 19:44:17; Bright; 37.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 74; 0;49496
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12; 4167.6; 17-AUG-2011 20:12:23; Bright; 48.5; 6; 13Alp Aur ; 0.08; 3400;occ; 97; 0;49496
13; 4347.5; 17-AUG-2011 20:15:23; Bright; 40.5; 107; 37The Aur ; 2.65; 11000;occ; 81; 0;49496
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16; 4924.8; 17-AUG-2011 20:25:00; Dark ; 60.5; 14; 58Alp Ori ; 0.87; 3000;occ; 121; 0;49496
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23; 6489.1; 17-AUG-2011 20:51:04; Dark ; 43.5; 9; Alp Eri ; 0.45; 24000;occ; 87; 0;49497
24; 6836.7; 17-AUG-2011 20:56:52; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;49497
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 11; 1787.4; 18-AUG-2011 02:13:39; Bright; 41.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 82; 0;49500  
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 14; 2481.2; 18-AUG-2011 02:25:12; Bright; 38.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 77; 0;49500  
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4; 1787.4; 18-AUG-2011 20:36:13; Bright; 41.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 83; 0;49511
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7; 2479.7; 18-AUG-2011 20:47:45; Bright; 35.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 70; 0;49511
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 19; 5425.7; 18-AUG-2011 18:16:23; Dark ; 47.0; 101; 11Alp Lep ; 2.58; 7000;occ; 94; 0;49509  
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11; 4161.9; 20-AUG-2011 21:42:33; Bright; 63.5; 6; 13Alp Aur ; 0.08; 3400;occ; 127; 0;49540

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 12; 2079.5; 20-AUG-2011 22:48:04; Bright; 42.0; 61; 8Eps Peg ; 2.10; 3900;occ; 84; 0;49541  
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 22; 5036.4; 20-AUG-2011 23:37:21; Dark ; 57.0; 27; 24Gam Ori ; 1.64; 26000;occ; 114; 0;49541  
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 13; 4723.4; 21-AUG-2011 16:14:28; Dark ; 47.0; 44; 24Gam Gem ; 1.93; 11000;occ; 94; 0;49551  
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 23; 6878.8; 21-AUG-2011 16:50:23; Dark ; 60.5; 84; Alp Phe ; 2.40; 4500;occ; 121; 0;49552  
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 9; 3216.4; 21-AUG-2011 17:29:35; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;49552  
 10; 3349.6; 21-AUG-2011 17:31:48; Bright; 26.0; 76; 27Gam Cas ; 2.30; 30000;occ; 52; 0;49552  
 11; 4160.2; 21-AUG-2011 17:45:18; Bright; 52.0; 6; 13Alp Aur ; 0.08; 3400;occ; 104; 0;49552  
 12; 4350.6; 21-AUG-2011 17:48:29; Bright; 42.0; 107; 37The Aur ; 2.65; 11000;occ; 84; 0;49552  
 13; 4548.4; 21-AUG-2011 17:51:47; Dark ; 54.0; 28; 12Bet Tau ; 1.65; 15200;occ; 108; 0;49552  
 14; 4723.8; 21-AUG-2011 17:54:42; Dark ; 45.0; 44; 24Gam Gem ; 1.93; 11000;occ; 90; 0;49552  
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 22; 6329.8; 21-AUG-2011 18:21:28; Dark ; 54.0; 157; The1Eri ; 2.91; 9300;occ; 108; 0;49553  
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 9; 3215.7; 21-AUG-2011 19:09:48; Bright; 46.5; 74; 11Bet Cas ; 2.27; 6600;occ; 93; 0;49553  
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 18; 5251.9; 21-AUG-2011 19:43:44; Dark ; 50.5; 125; 44Iot Ori ; 2.77; 30000;occ; 101; 0;49553  
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 21; 5641.8; 21-AUG-2011 19:50:14; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;49553  
 22; 6330.9; 21-AUG-2011 20:01:43; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;49554  
 23; 6527.0; 21-AUG-2011 20:04:59; Dark ; 44.5; 9; Alp Eri ; 0.45; 24000;occ; 89; 0;49554  
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 9; 1279.4; 22-AUG-2011 01:18:27; Dark ; 52.0; 18; 24Alp PsA ; 1.17; 9700;occ; 104; 0;49557  
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 11; 1788.2; 22-AUG-2011 01:26:56; Bright; 40.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 81; 0;49557  
 12; 1892.4; 22-AUG-2011 01:28:40; Bright; 44.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 89; 0;49557  
 13; 2076.6; 22-AUG-2011 01:31:45; Bright; 41.5; 61; 8Eps Peg ; 2.10; 3900;occ; 83; 0;49557  
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 23; 4955.9; 22-AUG-2011 02:19:44; Dark ; 62.5; 14; 58Alp Ori ; 0.87; 3000;occ; 125; 0;49557  
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 4; -489.8; 22-AUG-2011 02:29:12; Dark ; 48.0; 139; 9Bet Lep ; 2.83; 5600;occ; 96; 0;49557  
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19; 5287.4; 22-AUG-2011 22:28:03; Dark ; 37.0; 1; 9Alp CMa ; -1.44; 11000;occ; 74; 0;49569
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2; -634.7; 22-AUG-2011 22:29:35; Dark ; 63.5; 7; 19Bet Ori ; 0.10; 14000;occ; 127; 0;49569
3; -479.4; 22-AUG-2011 22:32:10; Dark ; 47.5; 139; 9Bet Lep ; 2.83; 5600;occ; 95; 0;49569
4; -357.7; 22-AUG-2011 22:34:12; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;49569
5; 336.3; 22-AUG-2011 22:45:46; Dark ; 54.0; 157; The1Eri ; 2.91; 9300;occ; 108; 0;49570
6; 523.5; 22-AUG-2011 22:48:53; Dark ; 43.5; 9; Alp Eri ; 0.45; 24000;occ; 87; 0;49570
7; 877.5; 22-AUG-2011 22:54:47; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;49570
8; 1002.0; 22-AUG-2011 22:56:52; Dark ; 54.5; 63; Bet Gru ; 2.15; 2800;occ; 109; 0;49570
9; 1283.7; 22-AUG-2011 23:01:34; Dark ; 51.0; 18; 24Alp PsA ; 1.17; 9700;occ; 102; 0;49570

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 11; 1788.6; 22-AUG-2011 23:09:58; Bright; 40.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 80; 0;49570  
 12; 1891.0; 22-AUG-2011 23:11:41; Bright; 43.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 87; 0;49570  
 13; 2074.3; 22-AUG-2011 23:14:44; Bright; 40.0; 61; 8Eps Peg ; 2.10; 3900;occ; 80; 0;49570  
 14; 2473.7; 22-AUG-2011 23:21:24; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;49570  
 15; 2664.8; 22-AUG-2011 23:24:35; Bright; 34.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 69; 0;49570  
 16; 2975.2; 22-AUG-2011 23:29:45; Bright; 37.5; 89; 5Alp Cep ; 2.45; 8000;occ; 75; 0;49570  
 17; 3203.3; 22-AUG-2011 23:33:33; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;49570  
 18; 3335.9; 22-AUG-2011 23:35:46; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;49570  
 19; 4157.2; 22-AUG-2011 23:49:27; Bright; 52.5; 6; 13Alp Aur ; 0.08; 3400;occ; 105; 0;49570  
 20; 4351.4; 22-AUG-2011 23:52:41; Bright; 42.5; 107; 37The Aur ; 2.65; 11000;occ; 85; 0;49570  
 21; 4629.6; 22-AUG-2011 23:57:19; Dark ; 49.5; 151; 13Mu Gem ; 2.89; 3000;occ; 99; 0;49570  
 22; 4728.7; 22-AUG-2011 23:58:59; Dark ; 44.5; 44; 24Gam Gem ; 1.93; 11000;occ; 89; 0;49570  
 23; 4963.0; 23-AUG-2011 00:02:53; Dark ; 59.0; 14; 58Alp Ori ; 0.87; 3000;occ; 118; 0;49570  
 24; 5176.5; 23-AUG-2011 00:06:26; Dark ; 53.0; 30; 46Eps Ori ; 1.69; 30000;occ; 106; 0;49570  
 25; 5287.8; 23-AUG-2011 00:08:18; Dark ; 46.5; 1; 9Alp CMA ; -1.44; 11000;occ; 93; 0;49570  
 26; 5380.3; 23-AUG-2011 00:09:50; Dark ; 41.5; 7; 19Bet Ori ; 0.10; 14000;occ; 83; 0;49570

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 3; -1464.0; 22-AUG-2011 07:13:40; Dark ; 53.0; 28; 12Bet Tau ; 1.65; 15200;occ; 106; 0;49560  
 4; -1288.2; 22-AUG-2011 07:16:36; Dark ; 42.0; 44; 24Gam Gem ; 1.93; 11000;occ; 84; 0;49560  
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 6; -963.1; 22-AUG-2011 07:22:01; Dark ; 43.0; 27; 24Gam Ori ; 1.64; 26000;occ; 86; 0;49560  
 7; -845.4; 22-AUG-2011 07:23:59; Dark ; 55.5; 30; 46Eps Ori ; 1.69; 30000;occ; 111; 0;49560  
 8; -730.5; 22-AUG-2011 07:25:54; Dark ; 48.0; 1; 9Alp CMA ; -1.44; 11000;occ; 96; 0;49560  
 9; -644.2; 22-AUG-2011 07:27:20; Dark ; 62.0; 7; 19Bet Ori ; 0.10; 14000;occ; 124; 0;49560  
 10; -487.4; 22-AUG-2011 07:29:57; Dark ; 50.0; 139; 9Bet Lep ; 2.83; 5600;occ; 100; 0;49560  
 11; -365.9; 22-AUG-2011 07:31:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49560  
 12; 325.3; 22-AUG-2011 07:43:29; Dark ; 53.0; 157; The1Eri ; 2.91; 9300;occ; 106; 0;49561  
 13; 517.5; 22-AUG-2011 07:46:42; Dark ; 46.5; 9; Alp Eri ; 0.45; 24000;occ; 93; 0;49561  
 14; 871.3; 22-AUG-2011 07:52:35; Dark ; 53.5; 84; Alp Phe ; 2.40; 4500;occ; 107; 0;49561  
 15; 998.7; 22-AUG-2011 07:54:43; Dark ; 46.0; 63; Bet Gru ; 2.15; 2800;occ; 92; 0;49561  
 16; 1280.7; 22-AUG-2011 07:59:25; Dark ; 53.0; 18; 24Alp PsA ; 1.17; 9700;occ; 106; 0;49561  
 17; 1592.5; 22-AUG-2011 08:04:37; Bright; 40.5; 142; 49Del Cap ; 2.85; 8900;occ; 81; 0;49561

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 2; 1892.0; 22-AUG-2011 08:09:36; Bright; 43.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 87; 0;49561  
 3; 2075.9; 22-AUG-2011 08:12:40; Bright; 41.0; 61; 8Eps Peg ; 2.10; 3900;occ; 82; 0;49561  
 4; 2474.3; 22-AUG-2011 08:19:18; Bright; 38.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 76; 0;49561  
 5; 2665.6; 22-AUG-2011 08:22:30; Bright; 38.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 77; 0;49561  
 6; 2976.8; 22-AUG-2011 08:27:41; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;49561  
 7; 3210.0; 22-AUG-2011 08:31:34; Bright; 44.0; 74; 11Bet Cas ; 2.27; 6600;occ; 88; 0;49561  
 8; 3342.6; 22-AUG-2011 08:33:47; Bright; 32.0; 76; 27Gam Cas ; 2.30; 30000;occ; 64; 0;49561  
 9; 4158.7; 22-AUG-2011 08:47:23; Bright; 56.0; 6; 13Alp Aur ; 0.08; 3400;occ; 112; 0;49561  
 10; 4351.0; 22-AUG-2011 08:50:35; Bright; 45.5; 107; 37The Aur ; 2.65; 11000;occ; 91; 0;49561  
 11; 4550.2; 22-AUG-2011 08:53:54; Dark ; 53.0; 28; 12Bet Tau ; 1.65; 15200;occ; 106; 0;49561  
 12; 4726.2; 22-AUG-2011 08:56:50; Dark ; 39.5; 44; 24Gam Gem ; 1.93; 11000;occ; 79; 0;49561  
 13; 4958.1; 22-AUG-2011 09:00:42; Dark ; 58.0; 14; 58Alp Ori ; 0.87; 3000;occ; 116; 0;49561  
 14; 5051.7; 22-AUG-2011 09:02:16; Dark ; 43.0; 27; 24Gam Ori ; 1.64; 26000;occ; 86; 0;49561  
 15; 5169.4; 22-AUG-2011 09:04:14; Dark ; 54.5; 30; 46Eps Ori ; 1.69; 30000;occ; 109; 0;49561  
 16; 5283.9; 22-AUG-2011 09:06:08; Dark ; 45.5; 1; 9Alp CMA ; -1.44; 11000;occ; 91; 0;49561  
 17; 5370.7; 22-AUG-2011 09:07:35; Dark ; 64.0; 7; 19Bet Ori ; 0.10; 14000;occ; 128; 0;49561  
 18; 5527.5; 22-AUG-2011 09:10:12; Dark ; 52.5; 139; 9Bet Lep ; 2.83; 5600;occ; 105; 0;49561  
 19; 5649.0; 22-AUG-2011 09:12:13; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;49561  
 20; 6340.5; 22-AUG-2011 09:23:45; Dark ; 54.5; 157; The1Eri ; 2.91; 9300;occ; 109; 0;49562  
 21; 6532.2; 22-AUG-2011 09:26:56; Dark ; 53.0; 9; Alp Eri ; 0.45; 24000;occ; 106; 0;49562  
 22; 6885.9; 22-AUG-2011 09:32:50; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;49562  
 23; 7013.1; 22-AUG-2011 09:34:57; Dark ; 54.0; 63; Bet Gru ; 2.15; 2800;occ; 108; 0;49562  
 24; 7295.0; 22-AUG-2011 09:39:39; Dark ; 52.5; 18; 24Alp PsA ; 1.17; 9700;occ; 105; 0;49562  
 25; 7606.6; 22-AUG-2011 09:44:51; Bright; 40.0; 142; 49Del Cap ; 2.85; 8900;occ; 80; 0;49562

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 3; -356.7; 23-AUG-2011 00:14:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49570  
 4; 337.6; 23-AUG-2011 00:26:01; Dark ; 52.0; 157; The1Eri ; 2.91; 9300;occ; 104; 0;49571  
 5; 524.1; 23-AUG-2011 00:29:08; Dark ; 43.0; 9; Alp Eri ; 0.45; 24000;occ; 86; 0;49571  
 6; 878.2; 23-AUG-2011 00:35:02; Dark ; 52.0; 84; Alp Phe ; 2.40; 4500;occ; 104; 0;49571



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7; 1002.3; 23-AUG-2011 00:37:06; Dark ; 56.0; 63; Bet Gru ; 2.15; 2800;occ; 112; 0;49571
8; 1284.1; 23-AUG-2011 00:41:48; Dark ; 52.0; 18; 24Alp PsA ; 1.17; 9700;occ; 104; 0;49571
9; 1593.6; 23-AUG-2011 00:46:57; Bright; 39.5; 142; 49Del Cap ; 2.85; 8900;occ; 79; 0;49571
10; 1788.7; 23-AUG-2011 00:50:12; Bright; 39.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 79; 0;49571
11; 1890.8; 23-AUG-2011 00:51:55; Bright; 43.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 87; 0;49571
12; 2074.3; 23-AUG-2011 00:54:58; Bright; 40.5; 61; 8Eps Peg ; 2.10; 3900;occ; 81; 0;49571
13; 2473.7; 23-AUG-2011 01:01:37; Bright; 38.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 77; 0;49571
14; 2664.9; 23-AUG-2011 01:04:49; Bright; 37.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 75; 0;49571
15; 2975.1; 23-AUG-2011 01:09:59; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;49571
16; 3202.8; 23-AUG-2011 01:13:47; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;49571
17; 3335.3; 23-AUG-2011 01:15:59; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;49571
18; 4157.1; 23-AUG-2011 01:29:41; Bright; 54.5; 6; 13Alp Aur ; 0.08; 3400;occ; 109; 0;49571
19; 4351.6; 23-AUG-2011 01:32:55; Bright; 43.0; 107; 37The Aur ; 2.65; 11000;occ; 86; 0;49571
20; 4629.9; 23-AUG-2011 01:37:34; Dark ; 52.5; 151; 13Mu Gem ; 2.89; 3000;occ; 105; 0;49571
21; 4729.1; 23-AUG-2011 01:39:13; Dark ; 46.5; 44; 24Gam Gem ; 1.93; 11000;occ; 93; 0;49571
22; 4963.6; 23-AUG-2011 01:43:07; Dark ; 59.5; 14; 58Alp Ori ; 0.87; 3000;occ; 119; 0;49571
23; 5177.4; 23-AUG-2011 01:46:41; Dark ; 34.0; 30; 46Eps Ori ; 1.69; 30000;occ; 68; 0;49571
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3; -632.4; 23-AUG-2011 01:50:05; Dark ; 69.0; 7; 19Bet Ori ; 0.10; 14000;occ; 138; 0;49571
4; -477.4; 23-AUG-2011 01:52:40; Dark ; 53.5; 139; 9Bet Lep ; 2.83; 5600;occ; 107; 0;49571
5; -355.8; 23-AUG-2011 01:54:42; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;49571
6; 338.8; 23-AUG-2011 02:06:17; Dark ; 55.0; 157; The1Eri ; 2.91; 9300;occ; 110; 0;49572
7; 524.9; 23-AUG-2011 02:09:23; Dark ; 42.0; 9; Alp Eri ; 0.45; 24000;occ; 84; 0;49572
8; 879.1; 23-AUG-2011 02:15:17; Dark ; 54.0; 84; Alp Phe ; 2.40; 4500;occ; 108; 0;49572
9; 1002.9; 23-AUG-2011 02:17:21; Dark ; 45.5; 63; Bet Gru ; 2.15; 2800;occ; 91; 0;49572
10; 1284.5; 23-AUG-2011 02:22:02; Dark ; 48.0; 18; 24Alp PsA ; 1.17; 9700;occ; 96; 0;49572
11; 1593.8; 23-AUG-2011 02:27:11; Bright; 40.5; 142; 49Del Cap ; 2.85; 8900;occ; 81; 0;49572
12; 1788.7; 23-AUG-2011 02:30:26; Bright; 40.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 80; 0;49572
13; 1890.6; 23-AUG-2011 02:32:08; Bright; 43.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 86; 0;49572
14; 2074.1; 23-AUG-2011 02:35:12; Bright; 41.0; 61; 8Eps Peg ; 2.10; 3900;occ; 82; 0;49572
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16; 2664.8; 23-AUG-2011 02:45:03; Bright; 36.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 73; 0;49572
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13; 879.9; 23-AUG-2011 03:55:32; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;49573
14; 1003.3; 23-AUG-2011 03:57:35; Dark ; 45.5; 63; Bet Gru ; 2.15; 2800;occ; 91; 0;49573
15; 1285.0; 23-AUG-2011 04:02:17; Dark ; 49.5; 18; 24Alp PsA ; 1.17; 9700;occ; 99; 0;49573
16; 1594.0; 23-AUG-2011 04:07:26; Bright; 41.5; 142; 49Del Cap ; 2.85; 8900;occ; 83; 0;49573
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19; 2074.0; 23-AUG-2011 04:15:26; Bright; 41.0; 61; 8Eps Peg ; 2.10; 3900;occ; 82; 0;49573
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22; 2974.7; 23-AUG-2011 04:30:26; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;49573
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 17; 5225.6; 26-AUG-2011 20:00:04; Dark ; 45.0; 30; 46Eps Ori ; 1.69; 30000;occ; 90; 0;49625  
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 22; 6573.5; 26-AUG-2011 20:22:32; Dark ; 45.0; 9; Alp Eri ; 0.45; 24000;occ; 90; 0;49626

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6;	561.3;	27-AUG-2011	01:23:15;	Dark	;	44.5;	9;	Alp Eri	;	0.45;	24000;occ;	89;	0;	49629
7;	917.6;	27-AUG-2011	01:29:12;	Dark	;	52.0;	84;	Alp Phe	;	2.40;	4500;occ;	104;	0;	49629
8;	1023.3;	27-AUG-2011	01:30:57;	Dark	;	55.0;	63;	Bet Gru	;	2.15;	2800;occ;	110;	0;	49629
9;	1302.8;	27-AUG-2011	01:35:37;	Dark	;	46.5;	18;	24Alp PsA	;	1.17;	9700;occ;	93;	0;	49629
10;	1600.8;	27-AUG-2011	01:40:35;	Dark	;	44.0;	142;	49Del Cap	;	2.85;	8900;occ;	88;	0;	49629
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12;	1885.8;	27-AUG-2011	01:45:20;	Bright;	;	41.5;	162;	34Alp Aqr	;	2.94;	5350;occ;	83;	0;	49629
13;	2066.7;	27-AUG-2011	01:48:21;	Bright;	;	39.0;	61;	8Eps Peg	;	2.10;	3900;occ;	78;	0;	49629
14;	2517.0;	27-AUG-2011	01:55:51;	Bright;	;	47.0;	164;	44Eta Peg	;	2.95;	5400;occ;	94;	0;	49629
15;	2965.9;	27-AUG-2011	02:03:20;	Bright;	;	37.0;	89;	5Alp Cep	;	2.45;	8000;occ;	74;	0;	49629
16;	3162.6;	27-AUG-2011	02:06:37;	Bright;	;	44.0;	74;	11Bet Cas	;	2.27;	6600;occ;	88;	0;	49629
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18;	4146.2;	27-AUG-2011	02:23:00;	Bright;	;	56.0;	6;	13Alp Aur	;	0.08;	3400;occ;	112;	0;	49629
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22;	4835.6;	27-AUG-2011	02:34:30;	Dark	;	39.5;	153;	3Bet CMi	;	2.89;	13100;occ;	79;	0;	49629
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24;	5229.5;	27-AUG-2011	02:41:04;	Dark	;	29.0;	30;	46Eps Ori	;	1.69;	30000;occ;	58;	0;	49629
25;	5316.7;	27-AUG-2011	02:42:31;	Dark	;	48.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	96;	0;	49629
26;	5531.7;	27-AUG-2011	02:46:06;	Dark	;	51.5;	101;	11Alp Lep	;	2.58;	7000;occ;	103;	0;	49629
27;	5715.0;	27-AUG-2011	02:49:09;	Dark	;	59.0;	0;		;	0.00;	0;occ;	118;	0;	49629
28;	6424.0;	27-AUG-2011	03:00:58;	Dark	;	54.0;	157;	The1Eri	;	2.91;	9300;occ;	108;	0;	49630
29;	6575.9;	27-AUG-2011	03:03:30;	Dark	;	47.0;	9;	Alp Eri	;	0.45;	24000;occ;	94;	0;	49630
30;	6932.2;	27-AUG-2011	03:09:26;	Dark	;	52.0;	84;	Alp Phe	;	2.40;	4500;occ;	104;	0;	49630
31;	7037.7;	27-AUG-2011	03:11:12;	Dark	;	43.0;	63;	Bet Gru	;	2.15;	2800;occ;	86;	0;	49630
32;	7317.2;	27-AUG-2011	03:15:51;	Dark	;	49.0;	18;	24Alp PsA	;	1.17;	9700;occ;	98;	0;	49630
33;	7615.0;	27-AUG-2011	03:20:49;	Dark	;	49.0;	142;	49Del Cap	;	2.85;	8900;occ;	98;	0;	49630
34;	7899.8;	27-AUG-2011	03:25:34;	Bright;	;	41.5;	162;	34Alp Aqr	;	2.94;	5350;occ;	83;	0;	49630
35;	8080.7;	27-AUG-2011	03:28:35;	Bright;	;	40.0;	61;	8Eps Peg	;	2.10;	3900;occ;	80;	0;	49630
36;	8530.4;	27-AUG-2011	03:36:04;	Bright;	;	45.0;	164;	44Eta Peg	;	2.95;	5400;occ;	90;	0;	49630
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38;	9176.0;	27-AUG-2011	03:46:50;	Bright;	;	46.0;	74;	11Bet Cas	;	2.27;	6600;occ;	92;	0;	49630
39;	9306.3;	27-AUG-2011	03:49:00;	Bright;	;	47.0;	76;	27Gam Cas	;	2.30;	30000;occ;	94;	0;	49630
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4;	-1265.9;	27-AUG-2011	04:13:16;	Dark	;	49.0;	44;	24Gam Gem	;	1.93;	11000;occ;	98;	0;	49630
5;	-1178.2;	27-AUG-2011	04:14:44;	Dark	;	39.5;	153;	3Bet CMi	;	2.89;	13100;occ;	79;	0;	49630
6;	-1013.5;	27-AUG-2011	04:17:29;	Dark	;	60.0;	14;	58Alp Ori	;	0.87;	3000;occ;	120;	0;	49630
7;	-696.8;	27-AUG-2011	04:22:45;	Dark	;	49.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	98;	0;	49630
8;	-481.1;	27-AUG-2011	04:26:21;	Dark	;	49.5;	101;	11Alp Lep	;	2.58;	7000;occ;	99;	0;	49630
9;	-297.9;	27-AUG-2011	04:29:24;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	49630
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11;	562.6;	27-AUG-2011	04:43:45;	Dark	;	44.0;	9;	Alp Eri	;	0.45;	24000;occ;	88;	0;	49631
12;	918.9;	27-AUG-2011	04:49:41;	Dark	;	53.0;	84;	Alp Phe	;	2.40;	4500;occ;	106;	0;	49631
13;	1024.1;	27-AUG-2011	04:51:26;	Dark	;	46.5;	63;	Bet Gru	;	2.15;	2800;occ;	93;	0;	49631
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18;	2515.9;	27-AUG-2011	05:16:18;	Bright;	;	46.5;	164;	44Eta Peg	;	2.95;	5400;occ;	93;	0;	49631
19;	2965.8;	27-AUG-2011	05:23:48;	Bright;	;	37.0;	89;	5Alp Cep	;	2.45;	8000;occ;	74;	0;	49631
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21;	3291.7;	27-AUG-2011	05:29:14;	Bright;	;	45.5;	76;	27Gam Cas	;	2.30;	30000;occ;	91;	0;	49631
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2;	-1660.4;	27-AUG-2011	05:46:56;	Bright;	;	45.0;	107;	37The Aur	;	2.65;	11000;occ;	90;	0;	49631
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4;	-1265.6;	27-AUG-2011	05:53:31;	Dark	;	46.0;	44;	24Gam Gem	;	1.93;	11000;occ;	92;	0;	49631
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7;	-696.4;	27-AUG-2011	06:03:00;	Dark	;	50.5;	1;	9Alp CMA	;	-1.44;	11000;occ;	101;	0;	49631
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9;	-296.8;	27-AUG-2011	06:09:39;	Dark	;	59.0;	0;		;	0.00;	0;occ;	118;	0;	49631
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13; 5003.0; 27-AUG-2011 10:58:27; Dark ; 65.0; 14; 58Alp Ori ; 0.87; 3000;occ; 130; 0;49634
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19; 6935.5; 27-AUG-2011 11:30:40; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;49635

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6; 3158.7; 27-AUG-2011 12:07:57; Bright; 44.0; 74; 11Bet Cas ; 2.27; 6600;occ; 88; 0;49635
7; 3288.7; 27-AUG-2011 12:10:07; Bright; 46.0; 76; 27Gam Cas ; 2.30; 30000;occ; 92; 0;49635
8; 4144.8; 27-AUG-2011 12:24:23; Bright; 44.0; 6; 13Alp Aur ; 0.08; 3400;occ; 88; 0;49635
9; 4353.7; 27-AUG-2011 12:27:52; Bright; 46.0; 107; 37The Aur ; 2.65; 11000;occ; 92; 0;49635
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12; 4837.3; 27-AUG-2011 12:35:55; Dark ; 41.5; 153; 3Bet CMI ; 2.89; 13100;occ; 83; 0;49635
13; 5003.7; 27-AUG-2011 12:38:42; Dark ; 64.0; 14; 58Alp Ori ; 0.87; 3000;occ; 128; 0;49635
14; 5319.6; 27-AUG-2011 12:43:58; Dark ; 47.5; 1; 9Alp CMA ; -1.44; 11000;occ; 95; 0;49635
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16; 5721.2; 27-AUG-2011 12:50:39; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;49635
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6; 3157.4; 27-AUG-2011 15:28:23; Bright; 45.5; 74; 11Bet Cas ; 2.27; 6600;occ; 91; 0;49637
7; 3287.3; 27-AUG-2011 15:30:33; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;49637
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9; 4353.9; 27-AUG-2011 15:48:20; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;49637
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13; 5005.3; 27-AUG-2011 15:59:11; Dark ; 66.0; 14; 58Alp Ori ; 0.87; 3000;occ; 132; 0;49637
14; 5321.1; 27-AUG-2011 16:04:27; Dark ; 50.0; 1; 9Alp CMA ; -1.44; 11000;occ; 100; 0;49637
15; 5540.2; 27-AUG-2011 16:08:06; Dark ; 51.5; 101; 11Alp Lep ; 2.58; 7000;occ; 103; 0;49637
16; 5723.5; 27-AUG-2011 16:11:09; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;49637
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 7; 2964.8; 27-AUG-2011 17:05:25; Bright; 37.5; 89; 5Alp Cep ; 2.45; 8000;occ; 75; 0;49638  
 8; 3156.5; 27-AUG-2011 17:08:36; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;49638  
 9; 3286.6; 27-AUG-2011 17:10:46; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;49638  
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 16; 5321.5; 27-AUG-2011 17:44:41; Dark ; 47.5; 1; 9Alp CMA ; -1.44; 11000;occ; 95; 0;49638  
 17; 5541.2; 27-AUG-2011 17:48:21; Dark ; 53.0; 101; 11Alp Lep ; 2.58; 7000;occ; 106; 0;49638  
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 9; 3284.9; 27-AUG-2011 20:31:13; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;49640  
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 22; 5240.2; 28-AUG-2011 00:24:16; Dark ; 52.0; 33; 50Zet Ori ; 1.77; 30000;occ; 104; 0;49642  
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9; 3285.7; 27-AUG-2011 18:51:00; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;49639  
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13; 4751.0; 27-AUG-2011 19:15:25; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;49639  
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18; 5725.6; 27-AUG-2011 19:31:39; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;49639  
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13; 2508.3; 28-AUG-2011 02:59:12; Bright; 46.0; 164; 44Eta Peg ; 2.95; 5400;occ; 92; 0;49644  
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15; 3152.5; 28-AUG-2011 03:09:56; Bright; 43.0; 74; 11Bet Cas ; 2.27; 6600;occ; 86; 0;49644  
16; 3282.3; 28-AUG-2011 03:12:06; Bright; 43.5; 76; 27Gam Cas ; 2.30; 30000;occ; 87; 0;49644

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13; 928.0; 28-AUG-2011 04:13:06; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;49645  
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17; 1885.0; 28-AUG-2011 04:29:03; Bright; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;49645  
18; 2065.4; 28-AUG-2011 04:32:03; Bright; 39.5; 61; 8Eps Peg ; 2.10; 3900;occ; 79; 0;49645  
19; 2508.0; 28-AUG-2011 04:39:26; Bright; 47.0; 164; 44Eta Peg ; 2.95; 5400;occ; 94; 0;49645  
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21; 3152.0; 28-AUG-2011 04:50:10; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;49645  
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4; -1260.8; 28-AUG-2011 05:16:51; Dark ; 49.5; 44; 24Gam Gem ; 1.93; 11000;occ; 99; 0;49645  
5; -1173.7; 28-AUG-2011 05:18:18; Dark ; 40.0; 153; 3Bet CMi ; 2.89; 13100;occ; 80; 0;49645  
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11; 429.5; 28-AUG-2011 05:45:01; Dark ; 54.5; 157; The1Eri ; 2.91; 9300;occ; 109; 0;49646



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21; 3151.4; 28-AUG-2011 06:30:23; Bright; 43.5; 74; 11Bet Cas ; 2.27; 6600;occ; 87; 0;49646
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5; 2963.8; 28-AUG-2011 08:07:29; Bright; 36.5; 89; 5Alp Cep ; 2.45; 8000;occ; 73; 0;49647
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7; 3280.2; 28-AUG-2011 08:12:46; Bright; 45.0; 76; 27Gam Cas ; 2.30; 30000;occ; 90; 0;49647
8; 4189.8; 28-AUG-2011 08:27:55; Bright; 43.5; 42; 34Bet Aur ; 1.90; 10200;occ; 87; 0;49647
9; 4354.1; 28-AUG-2011 08:30:40; Bright; 45.5; 107; 37The Aur ; 2.65; 11000;occ; 91; 0;49647
10; 4650.7; 28-AUG-2011 08:35:36; Dark ; 54.5; 151; 13Mu Gem ; 2.89; 3000;occ; 109; 0;49647
11; 4753.8; 28-AUG-2011 08:37:19; Dark ; 48.5; 44; 24Gam Gem ; 1.93; 11000;occ; 97; 0;49647
12; 4841.0; 28-AUG-2011 08:38:47; Dark ; 38.5; 153; 3Bet CMi ; 2.89; 13100;occ; 77; 0;49647
13; 5012.3; 28-AUG-2011 08:41:38; Dark ; 66.0; 14; 58Alp Ori ; 0.87; 3000;occ; 132; 0;49647
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19; 6587.3; 28-AUG-2011 09:07:53; Dark ; 47.5; 9; Alp Eri ; 0.45; 24000;occ; 95; 0;49648
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7; 3279.5; 28-AUG-2011 09:52:59; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;49648
8; 4189.9; 28-AUG-2011 10:08:09; Bright; 44.5; 42; 34Bet Aur ; 1.90; 10200;occ; 89; 0;49648
9; 4354.2; 28-AUG-2011 10:10:54; Bright; 53.5; 107; 37The Aur ; 2.65; 11000;occ; 107; 0;49648
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12; 4754.1; 28-AUG-2011 10:17:34; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;49648
13; 4841.1; 28-AUG-2011 10:19:01; Dark ; 38.0; 153; 3Bet CMi ; 2.89; 13100;occ; 76; 0;49648
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16; 5326.8; 28-AUG-2011 10:27:06; Dark ; 47.0; 1; 9Alp CMa ; -1.44; 11000;occ; 94; 0;49648
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2; 1883.1; 31-AUG-2011 17:40:53; Bright; 41.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 82; 0;49696
3; 2062.3; 31-AUG-2011 17:43:52; Bright; 39.5; 61; 8Eps Peg ; 2.10; 3900;occ; 79; 0;49696
4; 2230.7; 31-AUG-2011 17:46:41; Bright; 48.5; 90; 54Alp Peg ; 2.49; 11000;occ; 97; 0;49696
5; 2481.8; 31-AUG-2011 17:50:52; Bright; 45.0; 164; 44Eta Peg ; 2.95; 5400;occ; 90; 0;49696
6; 3119.3; 31-AUG-2011 18:01:29; Bright; 45.0; 74; 11Bet Cas ; 2.27; 6600;occ; 90; 0;49696
7; 3245.7; 31-AUG-2011 18:03:36; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;49696

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8; 4130.0; 31-AUG-2011 18:18:20; Bright; 44.0; 6; 13Alp Aur ; 0.08; 3400;occ; 88; 0;49696  
9; 4355.0; 31-AUG-2011 18:22:05; Bright; 47.5; 107; 37The Aur ; 2.65; 11000;occ; 95; 0;49696  
10; 4494.4; 31-AUG-2011 18:24:24; Bright; 37.0; 17; 78Bet Gem ; 1.16; 4500;occ; 74; 0;49696  
11; 4665.7; 31-AUG-2011 18:27:16; Dark ; 57.0; 151; 13Mu Gem ; 2.89; 3000;occ; 114; 0;49696  
12; 4772.0; 31-AUG-2011 18:29:02; Dark ; 49.0; 44; 24Gam Gem ; 1.93; 11000;occ; 98; 0;49696  
13; 5606.7; 31-AUG-2011 18:42:57; Dark ; 53.5; 101; 11Alp Lep ; 2.58; 7000;occ; 107; 0;49696  
14; 5789.0; 31-AUG-2011 18:45:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;49696  
15; 6505.3; 31-AUG-2011 18:57:55; Dark ; 55.0; 157; The1Eri ; 2.91; 9300;occ; 110; 0;49697  
16; 6617.4; 31-AUG-2011 18:59:47; Dark ; 42.5; 9; Alp Eri ; 0.45; 24000;occ; 85; 0;49697  
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2; 1322.5; 31-AUG-2011 19:11:47; Dark ; 47.5; 18; 24Alp PsA ; 1.17; 9700;occ; 95; 0;49697  
3; 1883.2; 31-AUG-2011 19:21:07; Bright; 40.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 81; 0;49697  
4; 2062.2; 31-AUG-2011 19:24:06; Bright; 39.5; 61; 8Eps Peg ; 2.10; 3900;occ; 79; 0;49697  
5; 3118.8; 31-AUG-2011 19:41:43; Bright; 44.5; 74; 11Bet Cas ; 2.27; 6600;occ; 89; 0;49697  
6; 6973.8; 31-AUG-2011 20:45:58; Dark ; 6.0; 84; Alp Phe ; 2.40; 4500;occ; 12; 0;49698