

GOMOS Daily Report 28-JUL-2009

Level 0 and Level 1 products

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

Item	Value
Time of report generation	31JUL2009 04:46:51
Data source version	GOMOS/5.00
Start time of products	28JUL2009 00:03:32
Stop time of products	28JUL2009 23:59:43
Store outputs in DB	Yes
Nb of level 1b prods	119
Nb of prods with errors	2

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

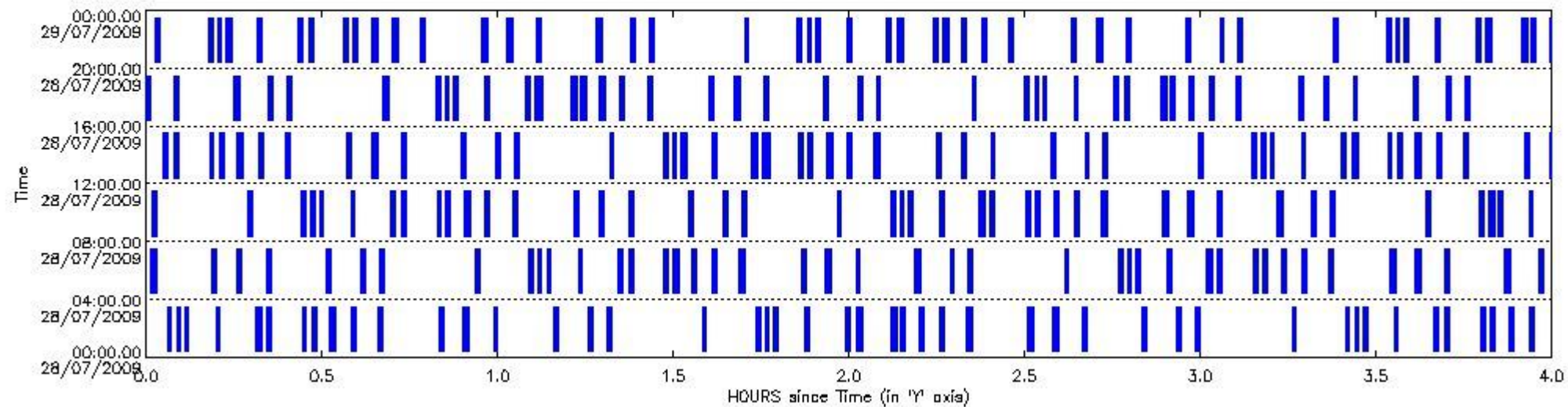
2.1 Level 0 products arrived in PCF (see template [here](#))

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.

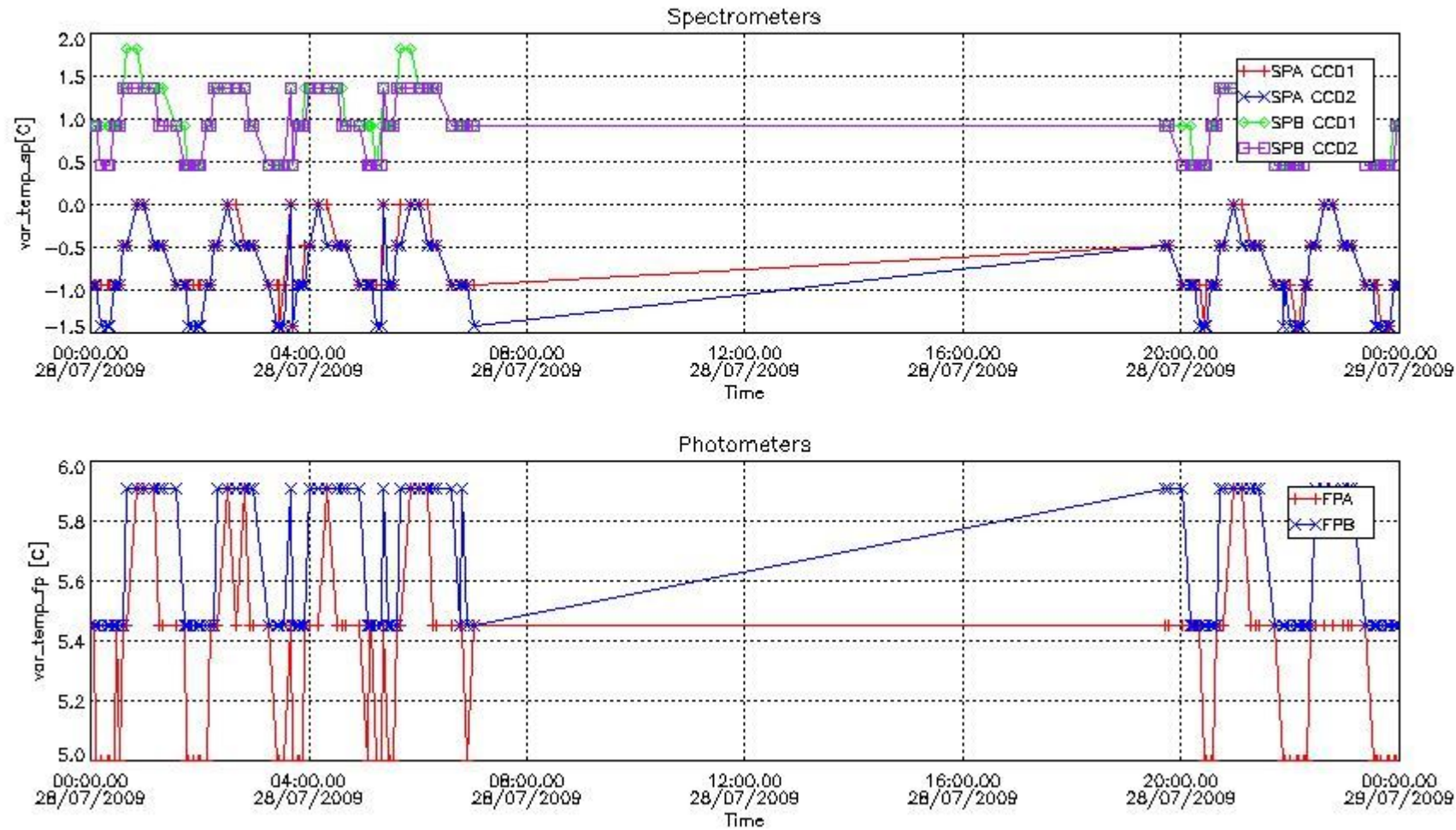
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20090728_000332_000000472081_00102_38733_7605.N1	28-JUL-2009 00:03:32	Bright	46.500	92	53Eps Cyg	2.5000	4500.0	93	38733	No
2	GOM_TRA_1PNPDE20090728_000507_000000402081_00102_38733_7606.N1	28-JUL-2009 00:05:07	Bright	39.500	144	18Del Cyg	2.8600	11000.	79	38733	No
3	GOM_TRA_1PNPDE20090728_000634_000000402081_00102_38733_7607.N1	28-JUL-2009 00:06:34	Bright	39.500	19	50Alp Cyg	1.2460	10500.	79	38733	No
4	GOM_TRA_1PNPDE20090728_001155_000000422081_00102_38733_7608.N1	28-JUL-2009 00:11:55	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	38733	No
5	GOM_TRA_1PNPDE20090728_001844_000000522081_00102_38733_7609.N1	28-JUL-2009 00:18:44	Bright	52.000	74	11Bet Cas	2.2680	6600.0	104	38733	No
6	GOM_TRA_1PNPDE20090728_002034_000000512081_00102_38733_7610.N1	28-JUL-2009 00:20:34	Bright	50.500	76	27Gam Cas	2.3000	30000.	101	38733	No
7	GOM_TRA_1PNPDE20090728_002636_000000442081_00102_38733_7611.N1	28-JUL-2009 00:26:36	Bright	44.000	160	23Gam Per	2.9300	4700.0	88	38733	No
8	GOM_TRA_1PNPDE20090728_002811_000000512081_00102_38733_7612.N1	28-JUL-2009 00:28:11	Bright	50.500	35	33Alp Per	1.7950	6250.0	101	38733	No
9	GOM_TRA_1PNPDE20090728_003122_00000052081_00102_38733_7613.N1	28-JUL-2009 00:31:22	Bright	55.000	79	26Bet Per	2.3100	13100.	110	38733	No
10	GOM_TRA_1PNPDE20090728_003451_000000532081_00102_38733_7614.N1	28-JUL-2009 00:34:51	Tw_i_and_stray	53.000	150	44Zet Per	2.8900	28000.	106	38733	No
11	GOM_TRA_1PNPDE20090728_003927_000000582081_00102_38733_7615.N1	28-JUL-2009 00:39:27	Dark	57.500	13	87Alp Tau	0.86700	3800.0	115	38733	No
12	GOM_TRA_1PNPDE20090728_004955_000000522081_00102_38733_7740.N1	28-JUL-2009 00:49:55	Dark	51.500	165	34Gam Eri	2.9500	3200.0	103	38733	No

13	GOM_TRA_1PNPDE20090728_005917_000000432081_00102_38733_7741.N1	28-JUL-2009 00:59:17	Dark	43.000	157	The1Eri	2.9060	9300.0	86	38733	No
14	GOM_TRA_1PNPDE20090728_010925_000000632081_00103_38734_7742.N1	28-JUL-2009 01:09:25	Straylight	63.000	84	Alp Phe	2.3970	4500.0	126	38734	No
15	GOM_TRA_1PNPDE20090728_011522_000000472081_00103_38734_7743.N1	28-JUL-2009 01:15:22	Straylight	46.500	31	Alp Gru	1.7340	15200.	93	38734	No
16	GOM_TRA_1PNPDE20090728_011833_000000482081_00103_38734_7744.N1	28-JUL-2009 01:18:33	Straylight	47.500	172	Gam Gru	3.0030	13100.	95	38734	No
17	GOM_TRA_1PNPDE20090728_013459_000000402081_00103_38734_7745.N1	28-JUL-2009 01:34:59	Bright	39.500	11	53Alp Aql	0.76500	8000.0	79	38734	No
18	GOM_TRA_1PNPDE20090728_014407_000000482081_00103_38734_7746.N1	28-JUL-2009 01:44:07	Bright	48.000	92	53Eps Cyg	2.5000	4500.0	96	38734	No
19	GOM_TRA_1PNPDE20090728_014543_000000392081_00103_38734_7747.N1	28-JUL-2009 01:45:43	Bright	39.000	144	18Del Cyg	2.8600	11000.	78	38734	No
20	GOM_TRA_1PNPDE20090728_014709_000000442081_00103_38734_7748.N1	28-JUL-2009 01:47:09	Bright	43.500	19	50Alp Cyg	1.2460	10500.	87	38734	No
21	GOM_TRA_1PNPDE20090728_015230_000000412081_00103_38734_7749.N1	28-JUL-2009 01:52:30	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	38734	No
22	GOM_TRA_1PNPDE20090728_015919_000000522081_00103_38734_7750.N1	28-JUL-2009 01:59:19	Bright	52.000	74	11Bet Cas	2.2680	6600.0	104	38734	No
23	GOM_TRA_1PNPDE20090728_020109_000000652081_00103_38734_7751.N1	28-JUL-2009 02:01:09	Bright	65.000	76	27Gam Cas	2.3000	30000.	130	38734	No
24	GOM_TRA_1PNPDE20090728_020712_000000672081_00103_38734_7752.N1	28-JUL-2009 02:07:12	Bright	67.000	160	23Gam Per	2.9300	4700.0	134	38734	No
25	GOM_TRA_1PNPDE20090728_020847_000000492081_00103_38734_7753.N1	28-JUL-2009 02:08:47	Bright	48.500	35	33Alp Per	1.7950	6250.0	97	38734	No
26	GOM_TRA_1PNPDE20090728_021157_000000542081_00103_38734_7754.N1	28-JUL-2009 02:11:57	Bright	54.000	79	26Bet Per	2.3100	13100.	108	38734	No
27	GOM_TRA_1PNPDE20090728_021527_000000492081_00103_38734_7755.N1	28-JUL-2009 02:15:27	Tw_i_and_stray	49.000	150	44Zet Per	2.8900	28000.	98	38734	No
28	GOM_TRA_1PNPDE20090728_022003_000000602081_00103_38734_7756.N1	28-JUL-2009 02:20:03	Dark	59.500	13	87Alp Tau	0.86700	3800.0	119	38734	No
29	GOM_TRA_1PNPDE20090728_023032_000000522081_00103_38734_7878.N1	28-JUL-2009 02:30:32	Dark	52.000	165	34Gam Eri	2.9500	3200.0	104	38734	No
30	GOM_TRA_1PNPDE20090728_023954_000000452081_00103_38734_7879.N1	28-JUL-2009 02:39:54	Dark	45.000	157	The1Eri	2.9060	9300.0	90	38734	No
31	GOM_TRA_1PNPDE20090728_025002_000000542081_00104_38735_7880.N1	28-JUL-2009 02:50:02	Straylight	53.500	84	Alp Phe	2.3970	4500.0	107	38735	No
32	GOM_TRA_1PNPDE20090728_025559_000000472081_00104_38735_7881.N1	28-JUL-2009 02:55:59	Straylight	46.500	31	Alp Gru	1.7340	15200.	93	38735	No
33	GOM_TRA_1PNPDE20090728_025909_000000482081_00104_38735_7882.N1	28-JUL-2009 02:59:09	Straylight	48.000	172	Gam Gru	3.0030	13100.	96	38735	No
34	GOM_TRA_1PNPDE20090728_031535_000000402081_00104_38735_7883.N1	28-JUL-2009 03:15:35	Bright	40.000	11	53Alp Aql	0.76500	8000.0	80	38735	No
35	GOM_TRA_1PNPDE20090728_032442_000000452081_00104_38735_7884.N1	28-JUL-2009 03:24:42	Bright	45.000	92	53Eps Cyg	2.5000	4500.0	90	38735	No
36	GOM_TRA_1PNPDE20090728_032618_000000392081_00104_38735_7885.N1	28-JUL-2009 03:26:18	Bright	38.500	144	18Del Cyg	2.8600	11000.	77	38735	No
37	GOM_TRA_1PNPDE20090728_032745_000000432081_00104_38735_7886.N1	28-JUL-2009 03:27:45	Bright	43.000	19	50Alp Cyg	1.2460	10500.	86	38735	No
38	GOM_TRA_1PNPDE20090728_033306_000000382081_00104_38735_7887.N1	28-JUL-2009 03:33:06	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	38735	No
39	GOM_TRA_1PNPDE20090728_033954_000000512081_00104_38735_8095.N1	28-JUL-2009 03:39:54	Bright	51.000	74	11Bet Cas	2.2680	6600.0	102	38735	Yes
40	GOM_TRA_1PNPDE20090728_034144_000000482081_00104_38735_8096.N1	28-JUL-2009 03:41:44	Bright	48.000	76	27Gam Cas	2.3000	30000.	96	38735	No
41	GOM_TRA_1PNPDE20090728_034748_000000452081_00104_38735_8097.N1	28-JUL-2009 03:47:48	Bright	45.000	160	23Gam Per	2.9300	4700.0	90	38735	No
42	GOM_TRA_1PNPDE20090728_034922_000000492081_00104_38735_8098.N1	28-JUL-2009 03:49:22	Bright	49.000	35	33Alp Per	1.7950	6250.0	98	38735	No
43	GOM_TRA_1PNPDE20090728_035233_000000532081_00104_38735_8099.N1	28-JUL-2009 03:52:33	Bright	52.500	79	26Bet Per	2.3100	13100.	105	38735	No
44	GOM_TRA_1PNPDE20090728_035603_000000502081_00104_38735_8100.N1	28-JUL-2009 03:56:03	Tw_i_and_stray	49.500	150	44Zet Per	2.8900	28000.	99	38735	No
45	GOM_TRA_1PNPDE20090728_040039_000000602081_00104_38735_8101.N1	28-JUL-2009 04:00:39	Dark	60.000	13	87Alp Tau	0.86700	3800.0	120	38735	No
46	GOM_TRA_1PNPDE20090728_041108_000000542081_00104_38735_8102.N1	28-JUL-2009 04:11:08	Dark	53.500	165	34Gam Eri	2.9500	3200.0	107	38735	No
47	GOM_TRA_1PNPDE20090728_042031_000000442081_00104_38735_8103.N1	28-JUL-2009 04:20:31	Dark	43.500	157	The1Eri	2.9060	9300.0	87	38735	No
48	GOM_TRA_1PNPDE20090728_043039_000000542081_00105_38736_8104.N1	28-JUL-2009 04:30:39	Straylight	54.000	84	Alp Phe	2.3970	4500.0	108	38736	No
49	GOM_TRA_1PNPDE20090728_043635_000000452081_00105_38736_8105.N1	28-JUL-2009 04:36:35	Straylight	45.000	31	Alp Gru	1.7340	15200.	90	38736	No
50	GOM_TRA_1PNPDE20090728_043946_000000472081_00105_38736_8106.N1	28-JUL-2009 04:39:46	Straylight	46.500	172	Gam Gru	3.0030	13100.	93	38736	No
51	GOM_TRA_1PNPDE20090728_045610_000000402081_00105_38736_8107.N1	28-JUL-2009 04:56:10	Bright	39.500	11	53Alp Aql	0.76500	8000.0	79	38736	No
52	GOM_TRA_1PNPDE20090728_050518_000000472081_00105_38736_8108.N1	28-JUL-2009 05:05:18	Bright	47.000	92	53Eps Cyg	2.5000	4500.0	94	38736	No
53	GOM_TRA_1PNPDE20090728_050654_000000382081_00105_38736_8109.N1	28-JUL-2009 05:06:54	Bright	38.000	144	18Del Cyg	2.8600	11000.	76	38736	No
54	GOM_TRA_1PNPDE20090728_050820_000000432081_00105_38736_8110.N1	28-JUL-2009 05:08:20	Bright	43.000	19	50Alp Cyg	1.2460	10500.	86	38736	No
55	GOM_TRA_1PNPDE20090728_051341_000000412081_00105_38736_8111.N1	28-JUL-2009 05:13:41	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	38736	No
56	GOM_TRA_1PNPDE20090728_052029_000000502081_00105_38736_8112.N1	28-JUL-2009 05:20:29	Bright	49.500	74	11Bet Cas	2.2680	6600.0	99	38736	No
57	GOM_TRA_1PNPDE20090728_052219_000000482081_00105_38736_8259.N1	28-JUL-2009 05:22:19	Bright	48.000	76	27Gam Cas	2.3000	30000.	96	38736	Yes
58	GOM_TRA_1PNPDE20090728_052823_000000462081_00105_38736_8260.N1	28-JUL-2009 05:28:23	Bright	46.000	160	23Gam Per	2.9300	4700.0	92	38736	No
59	GOM_TRA_1PNPDE20090728_052958_000000552081_00105_38736_8261.N1	28-JUL-2009 05:29:58	Bright	54.500	35	33Alp Per	1.7950	6250.0	109	38736	No
60	GOM_TRA_1PNPDE20090728_053309_000000542081_00105_38736_8262.N1	28-JUL-2009 05:33:09	Bright	53.500	79	26Bet Per	2.3100	13100.	107	38736	No
61	GOM_TRA_1PNPDE20090728_053640_000000502081_00105_38736_8263.N1	28-JUL-2009 05:36:40	Tw_i_and_stray	49.500	150	44Zet Per	2.8900	28000.	99	38736	No
62	GOM_TRA_1PNPDE20090728_054116_000000532081_00105_38736_8264.N1	28-JUL-2009 05:41:16	Dark	53.000	13	87Alp Tau	0.86700	3800.0	106	38736	No
63	GOM_TRA_1PNPDE20090728_055145_000000522081_00105_38736_8265.N1	28-JUL-2009 05:51:45	Dark	52.000	165	34Gam Eri	2.9500	3200.0	104	38736	No
64	GOM_TRA_1PNPDE20090728_060108_000000452081_00105_38736_8266.N1	28-JUL-2009 06:01:08	Dark	44.500	157	The1Eri	2.9060	9300.0	89	38736	No
65	GOM_TRA_1PNPDE20090728_061116_000000572081_00106_38737_8267.N1	28-JUL-2009 06:11:16	Straylight	56.500	84	Alp Phe	2.3970	4500.0	113	38737	No
66	GOM_TRA_1PNPDE20090728_061712_000000442081_00106_38737_8268.N1	28-JUL-2009 06:17:12	Straylight	43.500	31	Alp Gru	1.7340	15200.	87	38737	No
67	GOM_TRA_1PNPDE20090728_062023_000000472081_00106_38737_8269.N1	28-JUL-2009 06:20:23	Straylight	47.000	172	Gam Gru	3.0030	13100.	94	38737	No
68	GOM_TRA_1PNPDE20090728_063646_000000422081_00106_38737_8270.N1	28-JUL-2009 06:36:46	Bright	42.000	11	53Alp Aql	0.76500	8000.0	84	38737	No
69	GOM_TRA_1PNPDE20090728_064553_000000472081_00106_38737_8271.N1	28-JUL-2009 06:45:53	Bright	47.000	92	53Eps Cyg	2.5000	4500.0	94	38737	No
70	GOM_TRA_1PNPDE20090728_064730_000000362081_00106_38737_8272.N1	28-JUL-2009 06:47:30	Bright	36.000	144	18Del Cyg	2.8600	11000.	72	38737	No
71	GOM_TRA_1PNPDE20090728_064856_000000452081_00106_38737_8273.N1	28-JUL-2009 06:48:56	Bright	45.000	19	50Alp Cyg	1.2460	10500.	90	38737	No

72	GOM_TRA_1PNPDE20090728_065417_000000412081_00106_38737_8274.N1	28-JUL-2009 06:54:17	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	38737	No
73	GOM_TRA_1PNPDE20090728_070104_000000522081_00106_38737_8275.N1	28-JUL-2009 07:01:04	Bright	52.000	74	11Bet Cas	2.2680	6600.0	104	38737	No
74	GOM_TRA_1PNPDE20090728_194204_000000442081_00114_38745_8690.N1	28-JUL-2009 19:42:04	Straylight	44.000	31	Alp Gru	1.7340	15200.	88	38745	No
75	GOM_TRA_1PNPDE20090728_194514_000000462081_00114_38745_8691.N1	28-JUL-2009 19:45:14	Straylight	45.500	172	Gam Gru	3.0030	13100.	91	38745	No
76	GOM_TRA_1PNPDE20090728_200133_000000402081_00114_38745_8692.N1	28-JUL-2009 20:01:33	Bright	40.000	11	53Alp Aql	0.76500	8000.0	80	38745	No
77	GOM_TRA_1PNPDE20090728_201035_000000472081_00114_38745_8693.N1	28-JUL-2009 20:10:35	Bright	46.500	92	53Eps Cyg	2.5000	4500.0	93	38745	No
78	GOM_TRA_1PNPDE20090728_201215_000000362081_00114_38745_8694.N1	28-JUL-2009 20:12:15	Bright	36.000	144	18Del Cyg	2.8600	11000.	72	38745	No
79	GOM_TRA_1PNPDE20090728_201339_000000632081_00114_38745_8695.N1	28-JUL-2009 20:13:39	Bright	63.000	19	50Alp Cyg	1.2460	10500.	126	38745	No
80	GOM_TRA_1PNPDE20090728_201901_000000422081_00114_38745_8696.N1	28-JUL-2009 20:19:01	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	38745	No
81	GOM_TRA_1PNPDE20090728_202545_000000522081_00114_38745_8697.N1	28-JUL-2009 20:25:45	Bright	51.500	74	11Bet Cas	2.2680	6600.0	103	38745	No
82	GOM_TRA_1PNPDE20090728_202737_000000492081_00114_38745_8698.N1	28-JUL-2009 20:27:37	Bright	48.500	76	27Gam Cas	2.3000	30000.	97	38745	No
83	GOM_TRA_1PNPDE20090728_203344_000000462081_00114_38745_8699.N1	28-JUL-2009 20:33:44	Bright	45.500	160	23Gam Per	2.9300	4700.0	91	38745	No
84	GOM_TRA_1PNPDE20090728_203519_000000472081_00114_38745_8700.N1	28-JUL-2009 20:35:19	Bright	47.000	35	33Alp Per	1.7950	6250.0	94	38745	No
85	GOM_TRA_1PNPDE20090728_203831_000000562081_00114_38745_8701.N1	28-JUL-2009 20:38:31	Bright	55.500	79	26Bet Per	2.3100	13100.	111	38745	No
86	GOM_TRA_1PNPDE20090728_204204_000000522081_00114_38745_8702.N1	28-JUL-2009 20:42:04	Tw_i_and_stray	52.000	150	44Zet Per	2.8900	28000.	104	38745	No
87	GOM_TRA_1PNPDE20090728_204642_000000502081_00114_38745_8703.N1	28-JUL-2009 20:46:42	Dark	50.000	13	87Alp Tau	0.86700	3800.0	100	38745	No
88	GOM_TRA_1PNPDE20090728_205716_000000542081_00114_38745_8834.N1	28-JUL-2009 20:57:16	Dark	53.500	165	34Gam Eri	2.9500	3200.0	107	38745	No
89	GOM_TRA_1PNPDE20090728_210639_000000442081_00114_38745_8835.N1	28-JUL-2009 21:06:39	Dark	44.000	157	The1Eri	2.9060	9300.0	88	38745	No
90	GOM_TRA_1PNPDE20090728_211650_000000582081_00115_38746_8836.N1	28-JUL-2009 21:16:50	Straylight	57.500	84	Alp Phe	2.3970	4500.0	115	38746	No
91	GOM_TRA_1PNPDE20090728_212240_000000432081_00115_38746_8837.N1	28-JUL-2009 21:22:40	Straylight	43.000	31	Alp Gru	1.7340	15200.	86	38746	No
92	GOM_TRA_1PNPDE20090728_212551_000000472081_00115_38746_8838.N1	28-JUL-2009 21:25:51	Straylight	47.000	172	Gam Gru	3.0030	13100.	94	38746	No
93	GOM_TRA_1PNPDE20090728_214209_000000392081_00115_38746_8839.N1	28-JUL-2009 21:42:09	Bright	38.500	11	53Alp Aql	0.76500	8000.0	77	38746	No
94	GOM_TRA_1PNPDE20090728_215111_000000452081_00115_38746_8840.N1	28-JUL-2009 21:51:11	Bright	44.500	92	53Eps Cyg	2.5000	4500.0	89	38746	No
95	GOM_TRA_1PNPDE20090728_215251_000000382081_00115_38746_8841.N1	28-JUL-2009 21:52:51	Bright	38.000	144	18Del Cyg	2.8600	11000.	76	38746	No
96	GOM_TRA_1PNPDE20090728_215414_000000432081_00115_38746_8842.N1	28-JUL-2009 21:54:14	Bright	43.000	19	50Alp Cyg	1.2460	10500.	86	38746	No
97	GOM_TRA_1PNPDE20090728_215936_000000432081_00115_38746_8843.N1	28-JUL-2009 21:59:36	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	38746	No
98	GOM_TRA_1PNPDE20090728_220620_000000462081_00115_38746_8844.N1	28-JUL-2009 22:06:20	Bright	46.000	74	11Bet Cas	2.2680	6600.0	92	38746	No
99	GOM_TRA_1PNPDE20090728_220812_000000612081_00115_38746_8845.N1	28-JUL-2009 22:08:12	Bright	61.000	76	27Gam Cas	2.3000	30000.	122	38746	No
100	GOM_TRA_1PNPDE20090728_221420_000000572081_00115_38746_8846.N1	28-JUL-2009 22:14:20	Bright	56.500	160	23Gam Per	2.9300	4700.0	113	38746	No
101	GOM_TRA_1PNPDE20090728_221555_000000612081_00115_38746_8847.N1	28-JUL-2009 22:15:55	Bright	60.500	35	33Alp Per	1.7950	6250.0	121	38746	No
102	GOM_TRA_1PNPDE20090728_221907_000000582081_00115_38746_8848.N1	28-JUL-2009 22:19:07	Bright	57.500	79	26Bet Per	2.3100	13100.	115	38746	No
103	GOM_TRA_1PNPDE20090728_222240_000000522081_00115_38746_8849.N1	28-JUL-2009 22:22:40	Tw_i_and_stray	52.000	150	44Zet Per	2.8900	28000.	104	38746	No
104	GOM_TRA_1PNPDE20090728_222718_000000492081_00115_38746_8850.N1	28-JUL-2009 22:27:18	Dark	48.500	13	87Alp Tau	0.86700	3800.0	97	38746	No
105	GOM_TRA_1PNPDE20090728_223753_000000522081_00115_38746_8972.N1	28-JUL-2009 22:37:53	Dark	52.000	165	34Gam Eri	2.9500	3200.0	104	38746	No
106	GOM_TRA_1PNPDE20090728_224716_000000452081_00115_38746_8973.N1	28-JUL-2009 22:47:16	Dark	44.500	157	The1Eri	2.9060	9300.0	89	38746	No
107	GOM_TRA_1PNPDE20090728_225726_000000532081_00116_38747_8974.N1	28-JUL-2009 22:57:26	Straylight	53.000	84	Alp Phe	2.3970	4500.0	106	38747	No
108	GOM_TRA_1PNPDE20090728_230317_000000452081_00116_38747_8975.N1	28-JUL-2009 23:03:17	Straylight	45.000	31	Alp Gru	1.7340	15200.	90	38747	No
109	GOM_TRA_1PNPDE20090728_230627_000000472081_00116_38747_8976.N1	28-JUL-2009 23:06:27	Straylight	46.500	172	Gam Gru	3.0030	13100.	93	38747	No
110	GOM_TRA_1PNPDE20090728_232244_000000412081_00116_38747_8977.N1	28-JUL-2009 23:22:44	Bright	41.000	11	53Alp Aql	0.76500	8000.0	82	38747	No
111	GOM_TRA_1PNPDE20090728_233146_000000442081_00116_38747_8978.N1	28-JUL-2009 23:31:46	Bright	43.500	92	53Eps Cyg	2.5000	4500.0	87	38747	No
112	GOM_TRA_1PNPDE20090728_233326_000000362081_00116_38747_8979.N1	28-JUL-2009 23:33:26	Bright	35.500	144	18Del Cyg	2.8600	11000.	71	38747	No
113	GOM_TRA_1PNPDE20090728_233450_000000432081_00116_38747_8980.N1	28-JUL-2009 23:34:50	Bright	43.000	19	50Alp Cyg	1.2460	10500.	86	38747	No
114	GOM_TRA_1PNPDE20090728_234012_000000412081_00116_38747_8981.N1	28-JUL-2009 23:40:12	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	38747	No
115	GOM_TRA_1PNPDE20090728_234655_000000512081_00116_38747_8982.N1	28-JUL-2009 23:46:55	Bright	51.000	74	11Bet Cas	2.2680	6600.0	102	38747	No
116	GOM_TRA_1PNPDE20090728_234847_000000502081_00116_38747_8983.N1	28-JUL-2009 23:48:47	Bright	50.000	76	27Gam Cas	2.3000	30000.	100	38747	No
117	GOM_TRA_1PNPDE20090728_235455_000000672081_00116_38747_8984.N1	28-JUL-2009 23:54:55	Bright	67.000	160	23Gam Per	2.9300	4700.0	134	38747	No
118	GOM_TRA_1PNPDE20090728_235631_000000472081_00116_38747_8985.N1	28-JUL-2009 23:56:31	Bright	46.500	35	33Alp Per	1.7950	6250.0	93	38747	No
119	GOM_TRA_1PNPDE20090728_235943_000000552081_00116_38747_8986.N1	28-JUL-2009 23:59:43	Bright	54.500	79	26Bet Per	2.3100	13100.	109	38747	No

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



4. Overview of dark signal processing per product

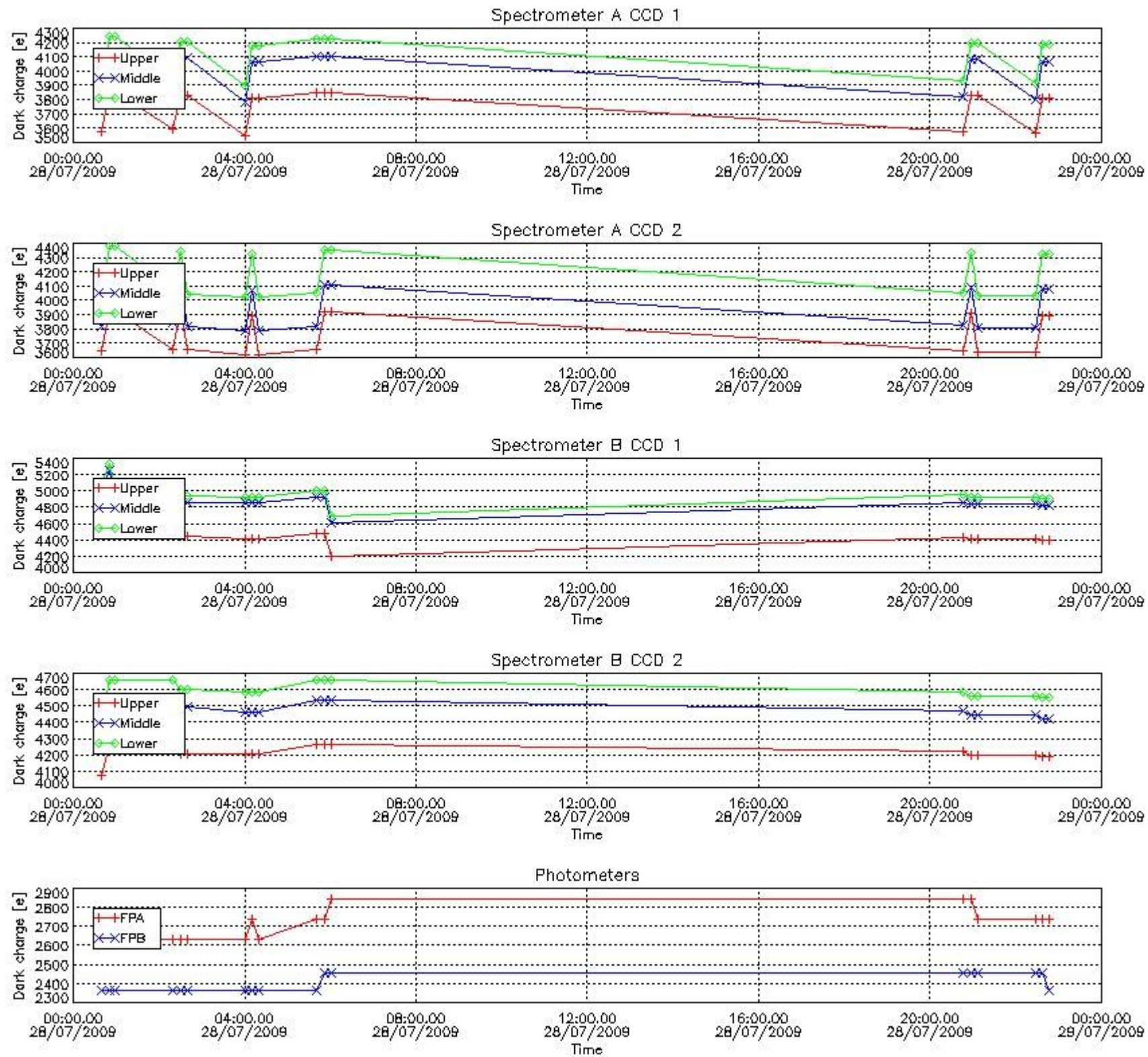
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20090728_194204_000000442081_00114_38745_8690.N1	DC map used
GOM_TRA_1PNPDE20090728_194514_000000462081_00114_38745_8691.N1	DC map used
GOM_TRA_1PNPDE20090728_200133_000000402081_00114_38745_8692.N1	DC map used
GOM_TRA_1PNPDE20090728_201035_000000472081_00114_38745_8693.N1	DC map used
GOM_TRA_1PNPDE20090728_201215_000000362081_00114_38745_8694.N1	DC map used
GOM_TRA_1PNPDE20090728_201339_000000632081_00114_38745_8695.N1	DC map used
GOM_TRA_1PNPDE20090728_201901_000000422081_00114_38745_8696.N1	DC map used
GOM_TRA_1PNPDE20090728_202545_000000522081_00114_38745_8697.N1	DC map used
GOM_TRA_1PNPDE20090728_202737_000000492081_00114_38745_8698.N1	DC map used
GOM_TRA_1PNPDE20090728_203344_000000462081_00114_38745_8699.N1	DC map used
GOM_TRA_1PNPDE20090728_203519_000000472081_00114_38745_8700.N1	DC map used
GOM_TRA_1PNPDE20090728_203831_000000562081_00114_38745_8701.N1	DC map used
GOM_TRA_1PNPDE20090728_204204_000000522081_00114_38745_8702.N1	DC map used
GOM_TRA_1PNPDE20090728_204642_000000502081_00114_38745_8703.N1	DC map used

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



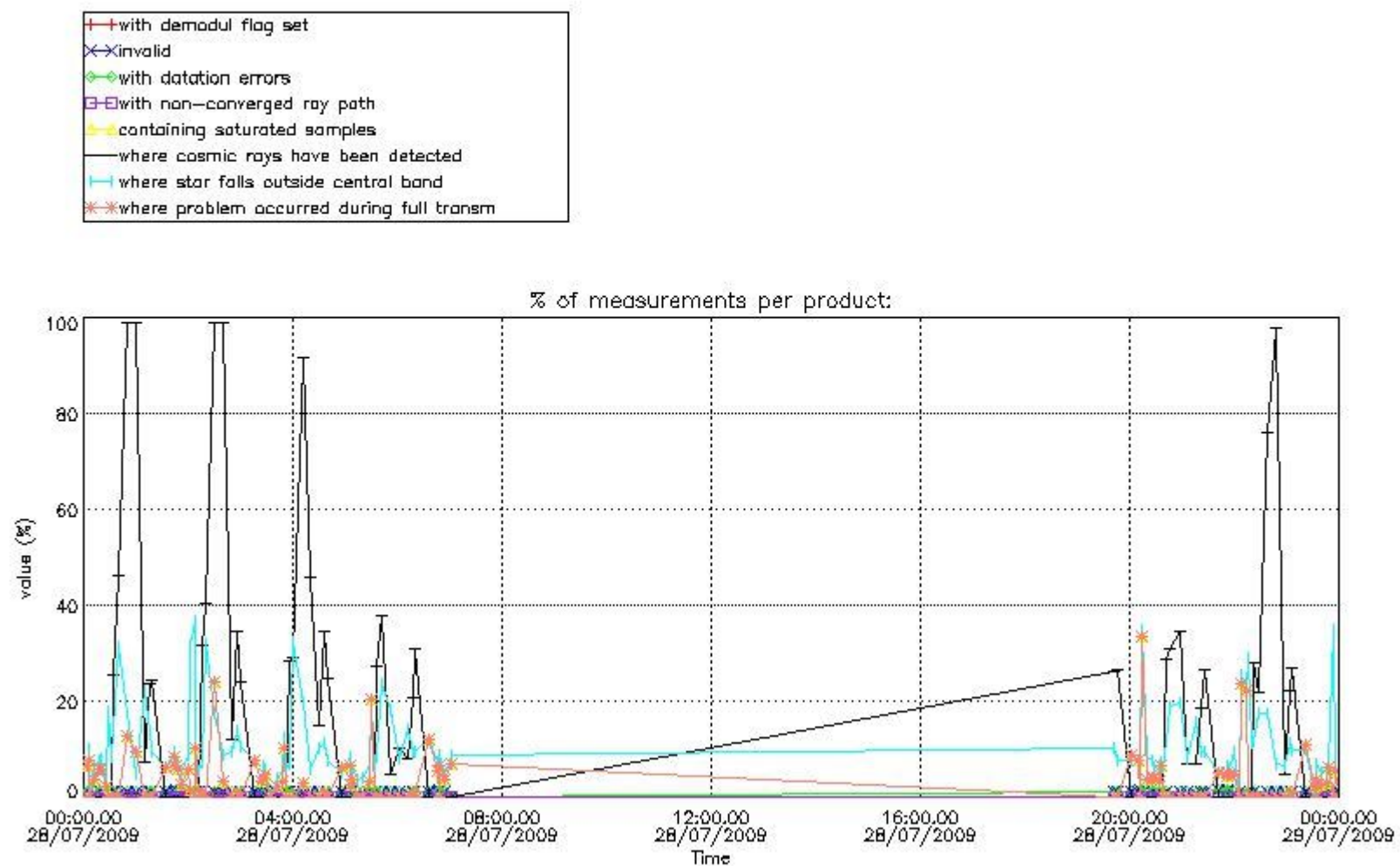
5. Demodulation flag and quality information monitoring

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.

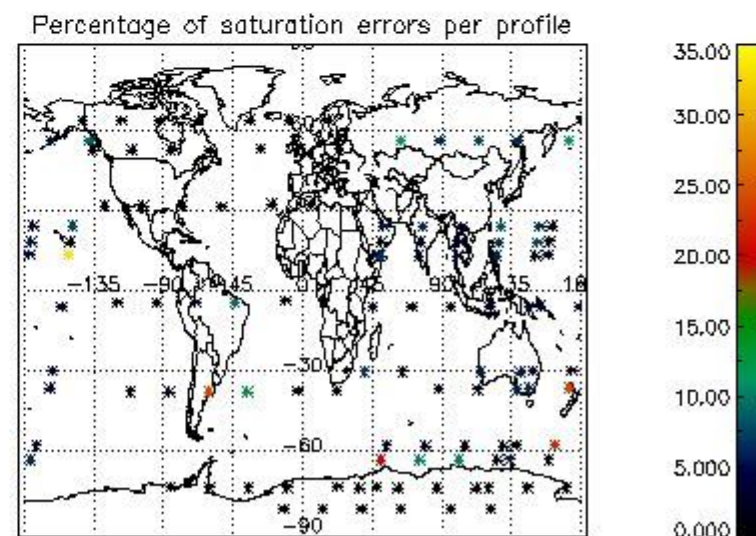
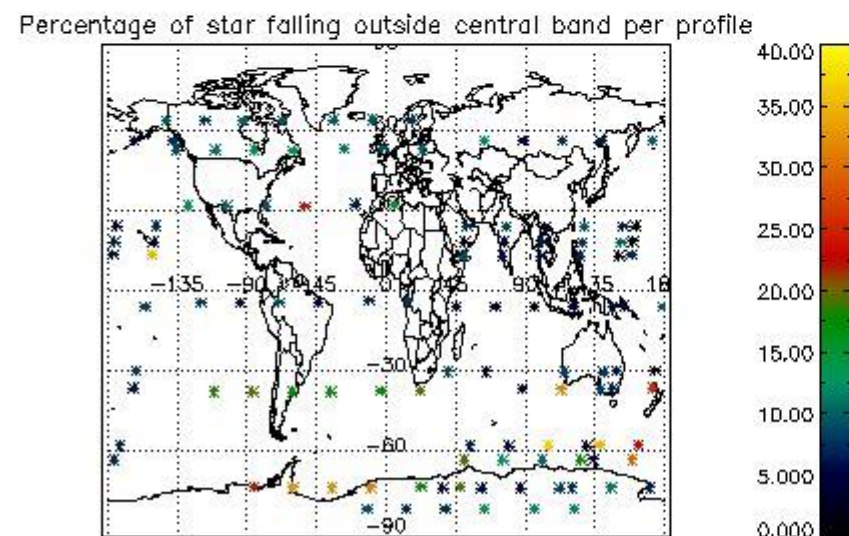
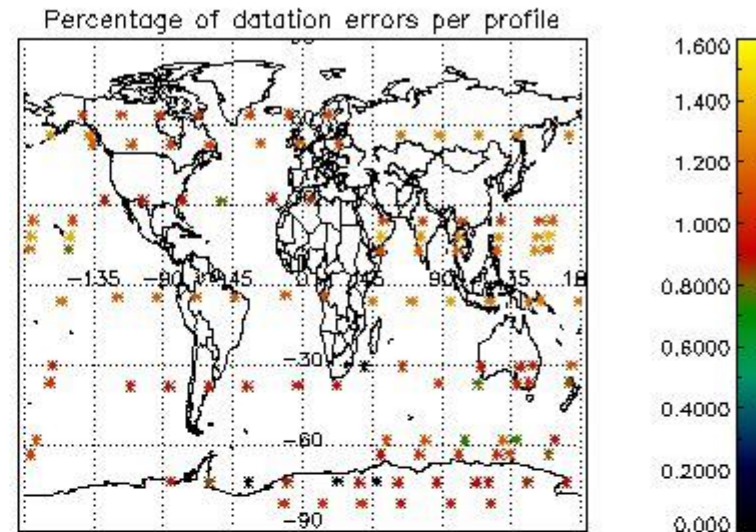
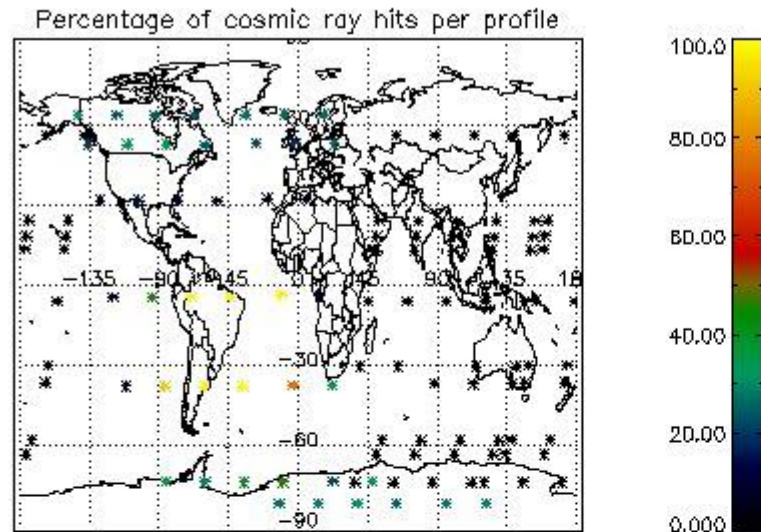
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	18.8034 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



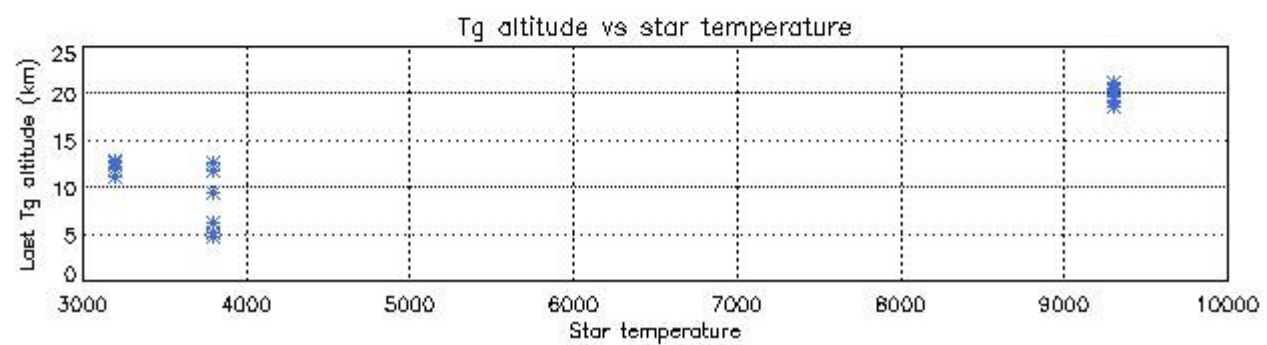
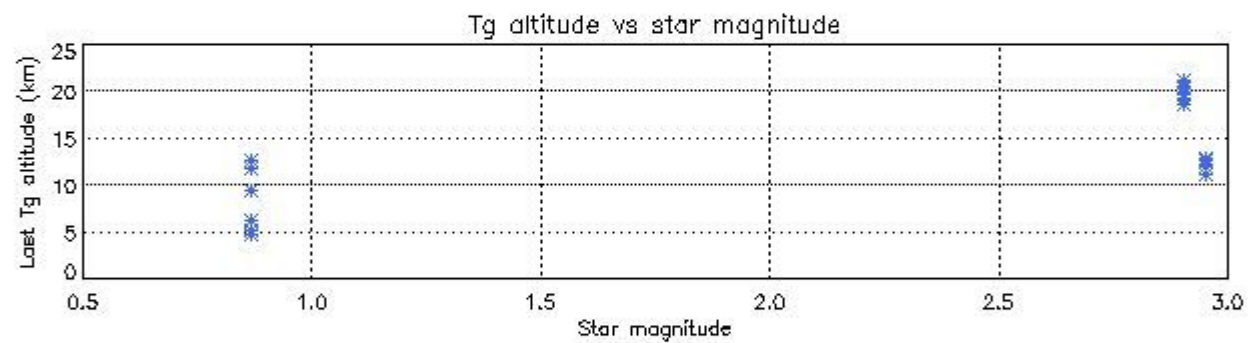
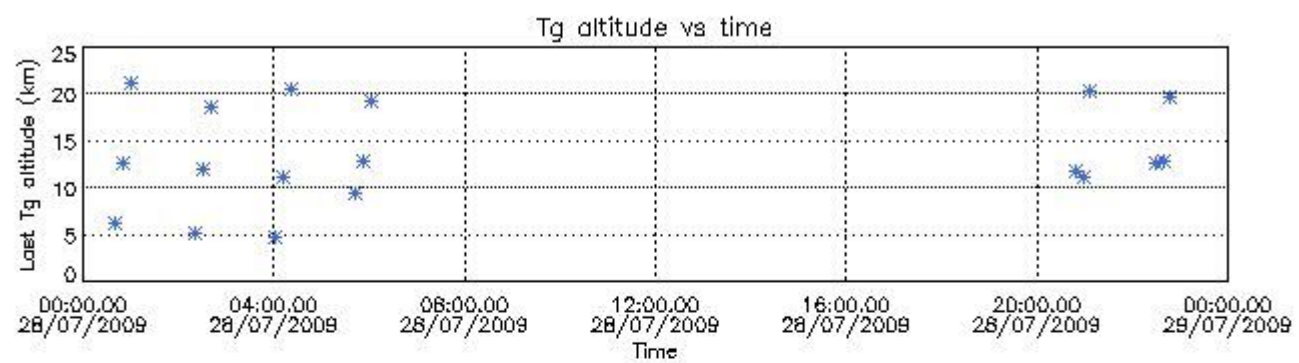
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.387	19.037	NaN
St. deviation:	5.3608	5.1107	NaN
Maximum:	21.111	28.659	NaN
Minimum:	4.6130	3.1763	NaN
Number of data:	18.000	73.000	NaN

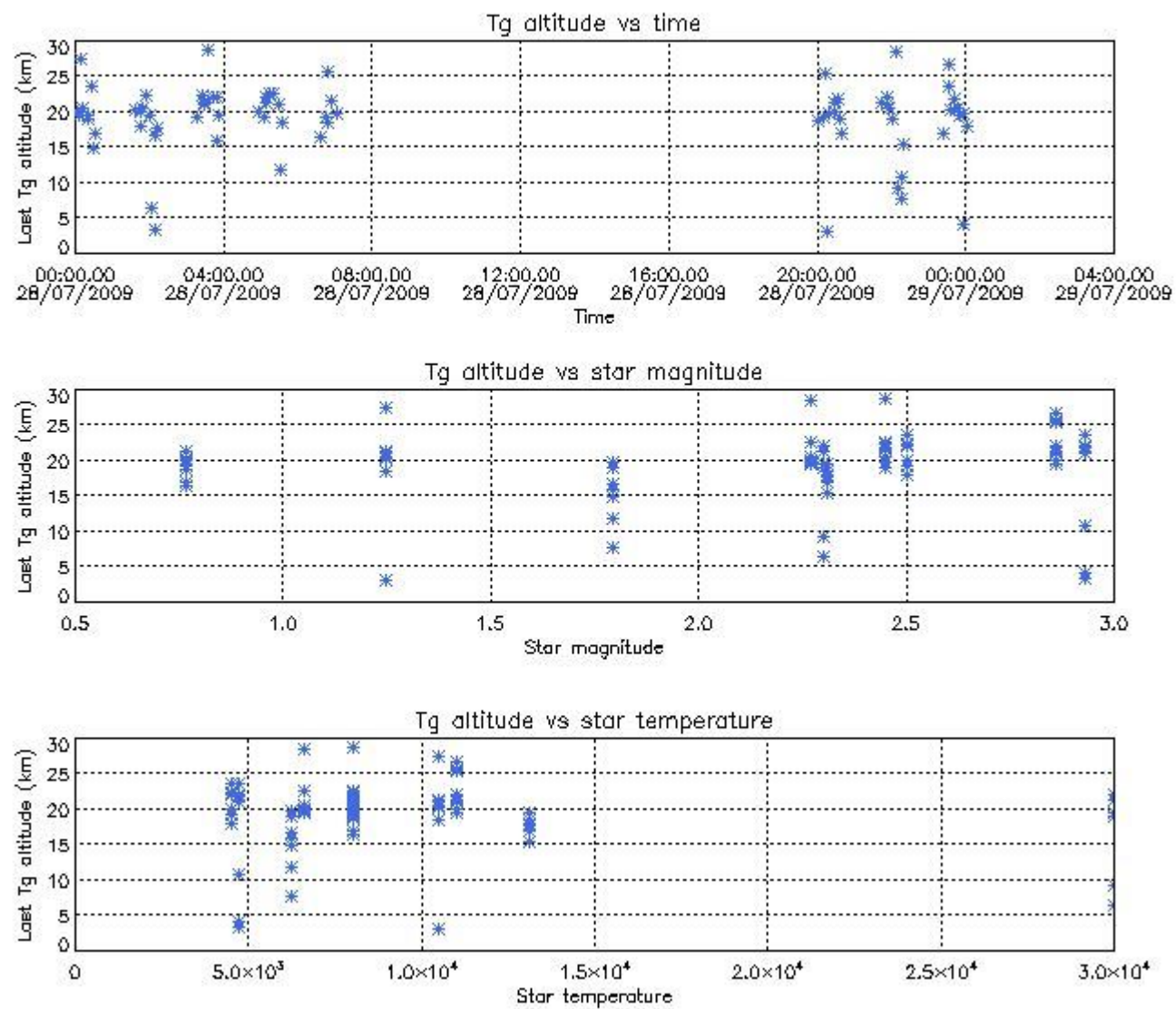
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

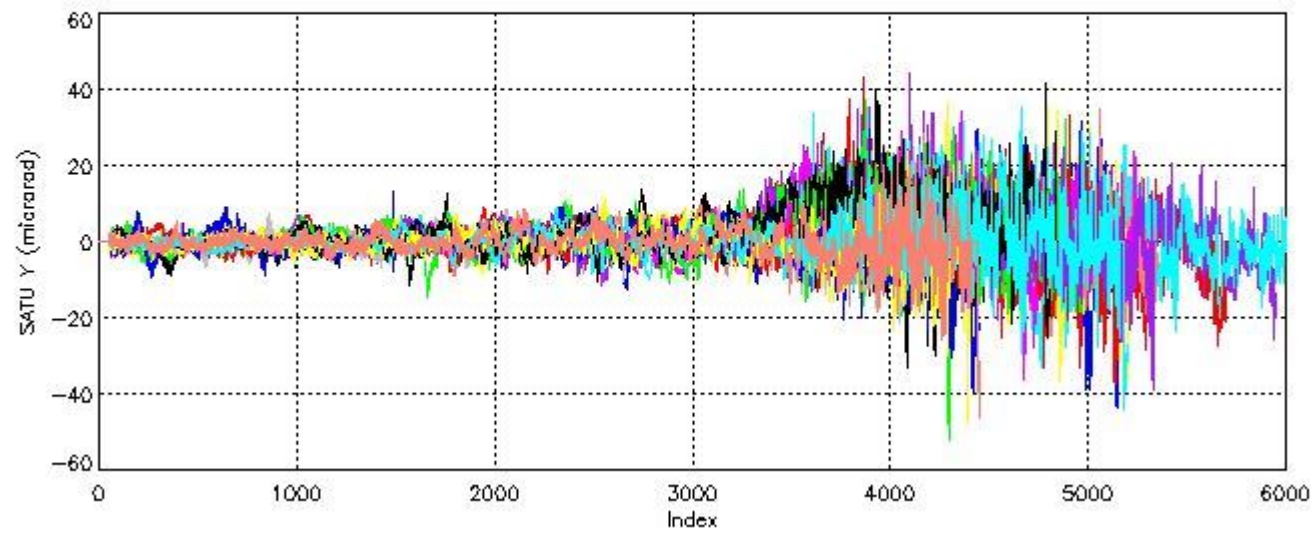
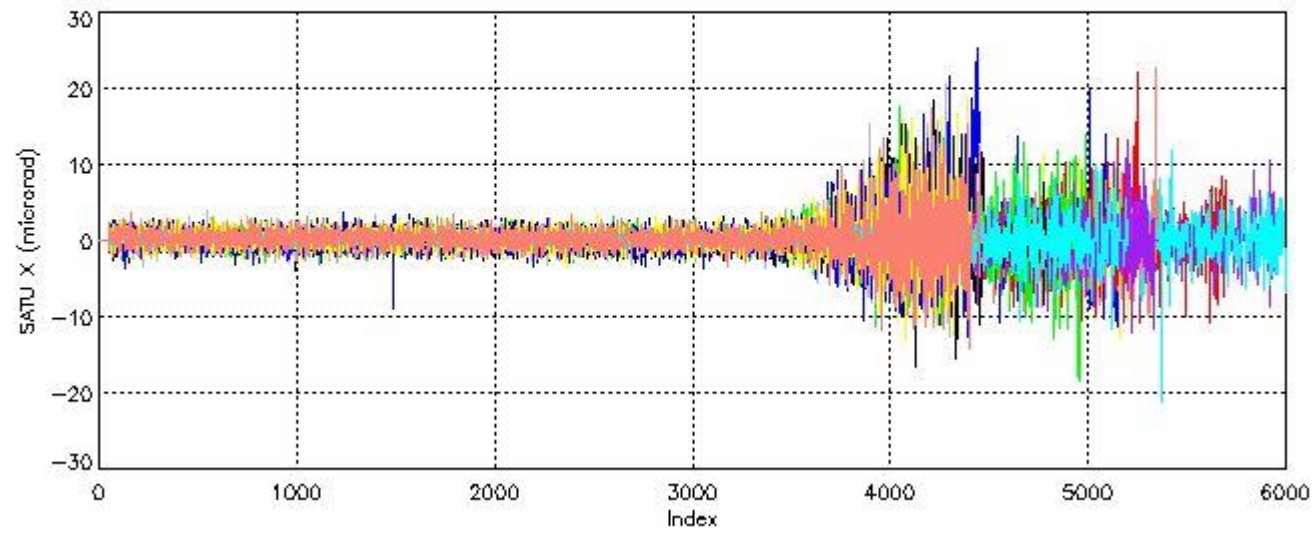


7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

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

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

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.15213	-0.47194	0.27195	-0.51079
St. deviation:	0.48255	1.3474	0.74537	1.5253
Maximum:	3.9000	8.8000	6.1000	11.000
Minimum:	-3.9000	-9.4000	-6.2000	-10.300

Number of data:	18850.	18850.	76450.	76450.
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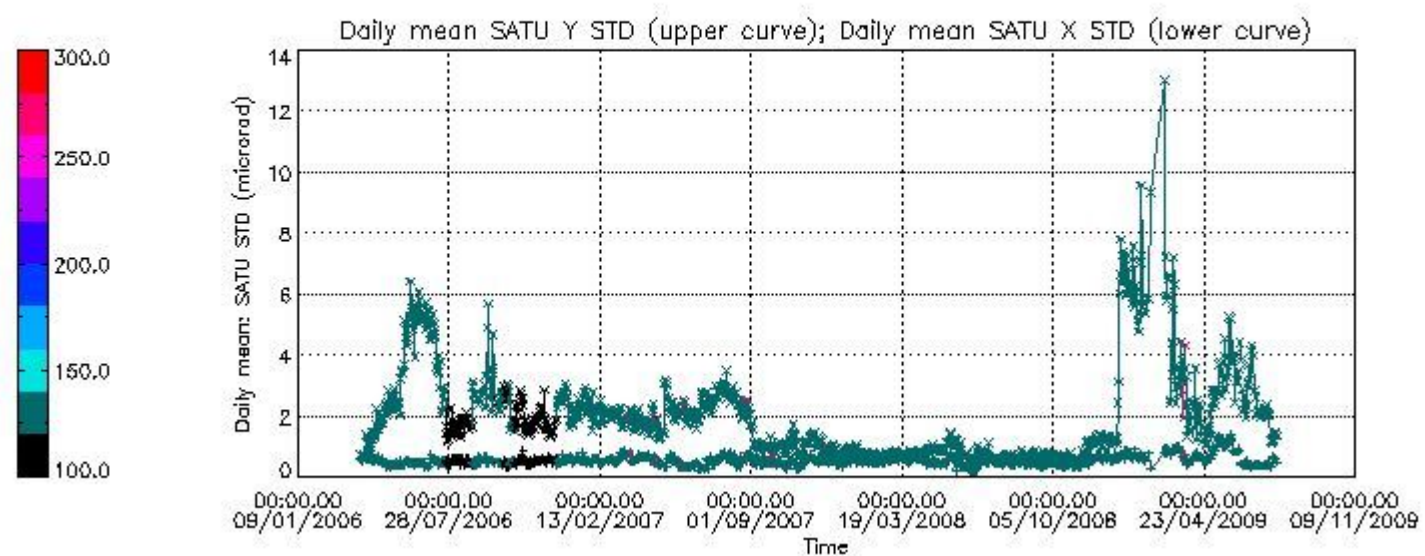
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

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

Upper curve: STD of SATU Y axis

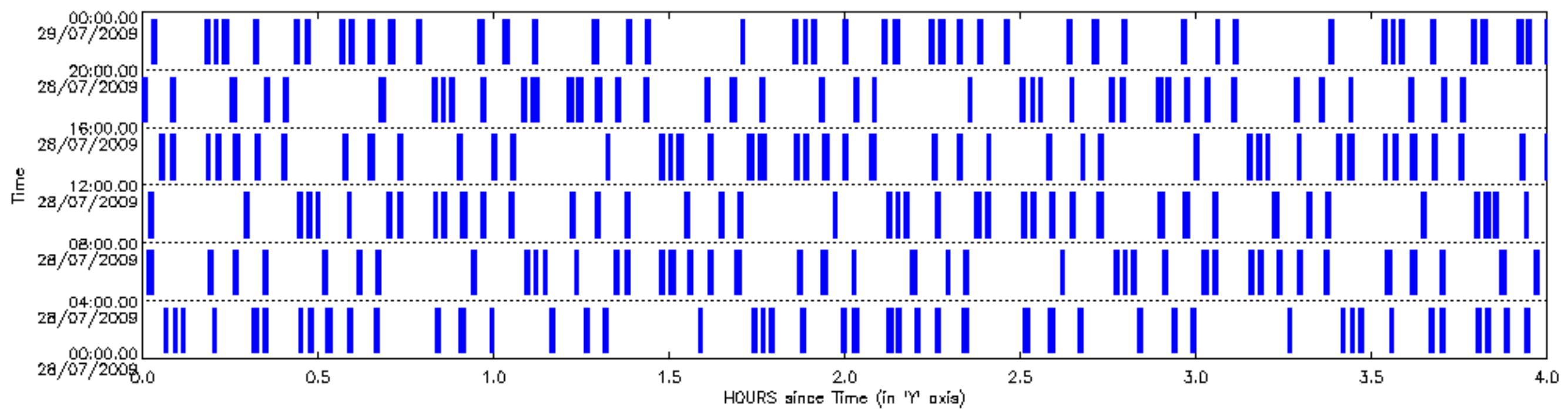
Lower curve: STD of SATU X axis

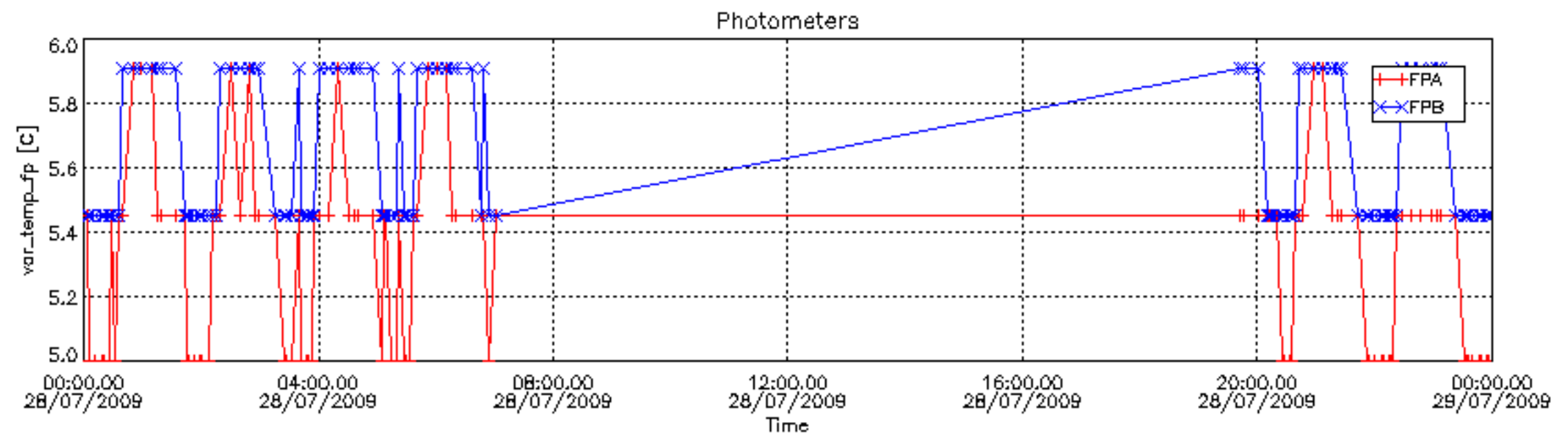
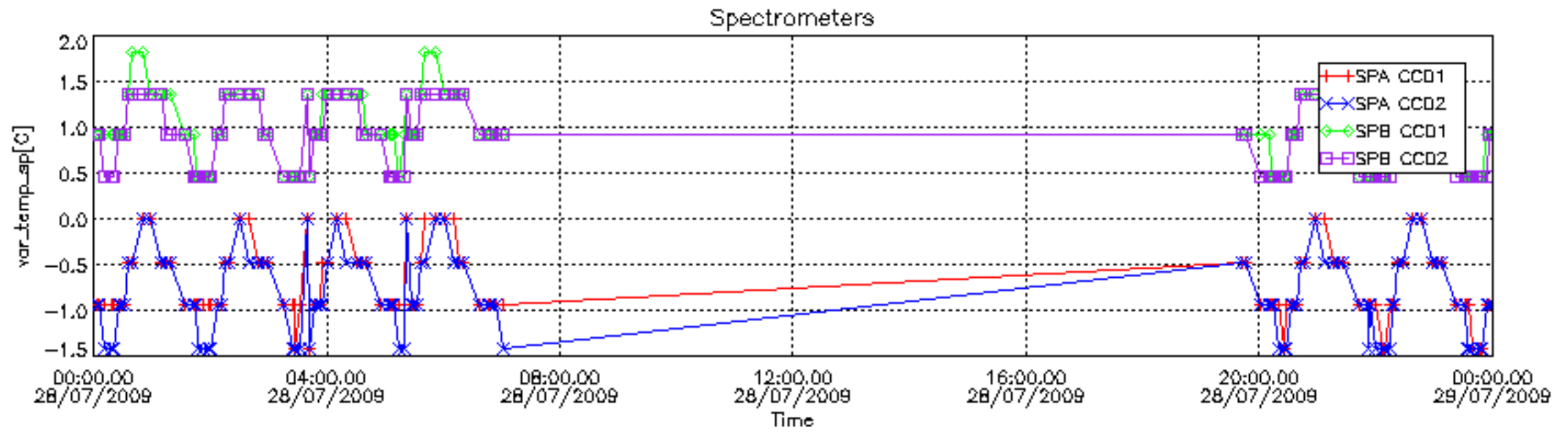


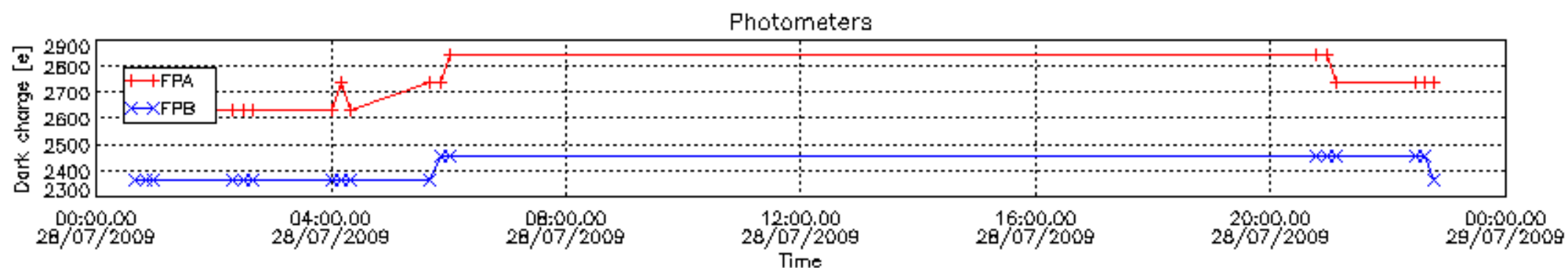
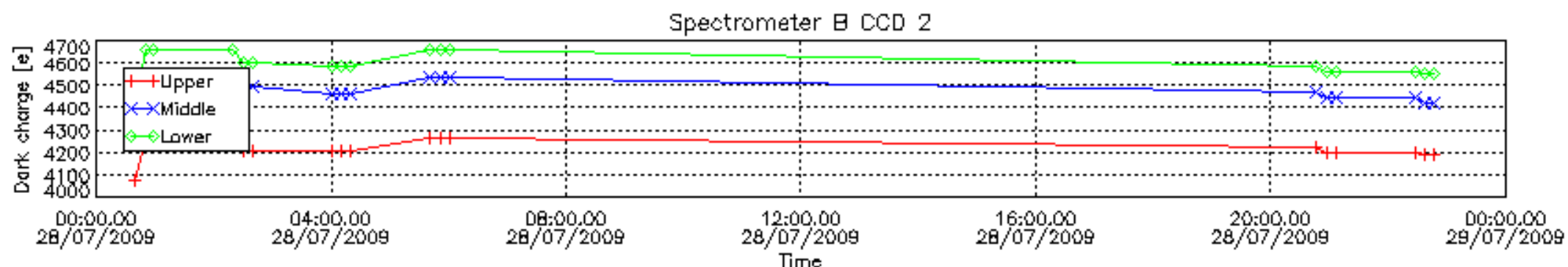
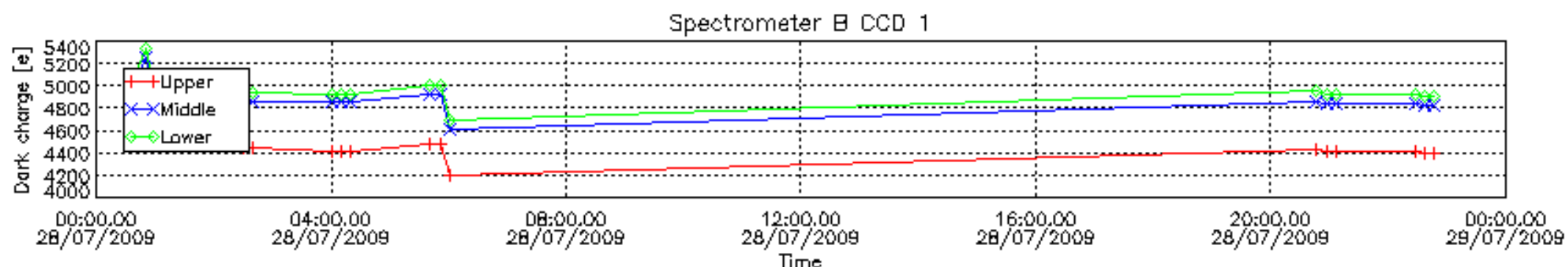
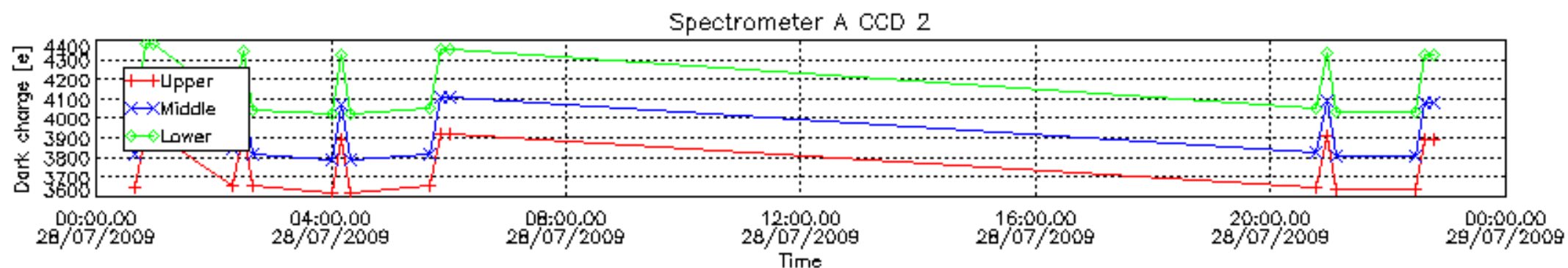
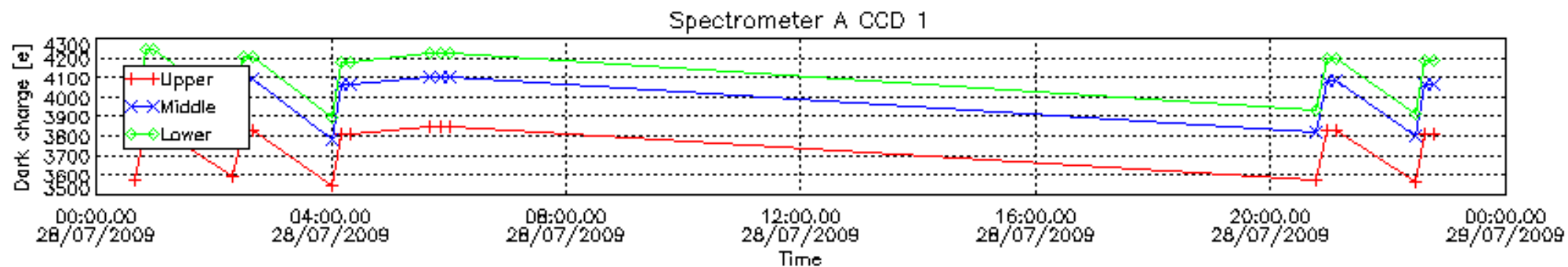
8. Auxiliary Data Files used for the production reported in section 2.4

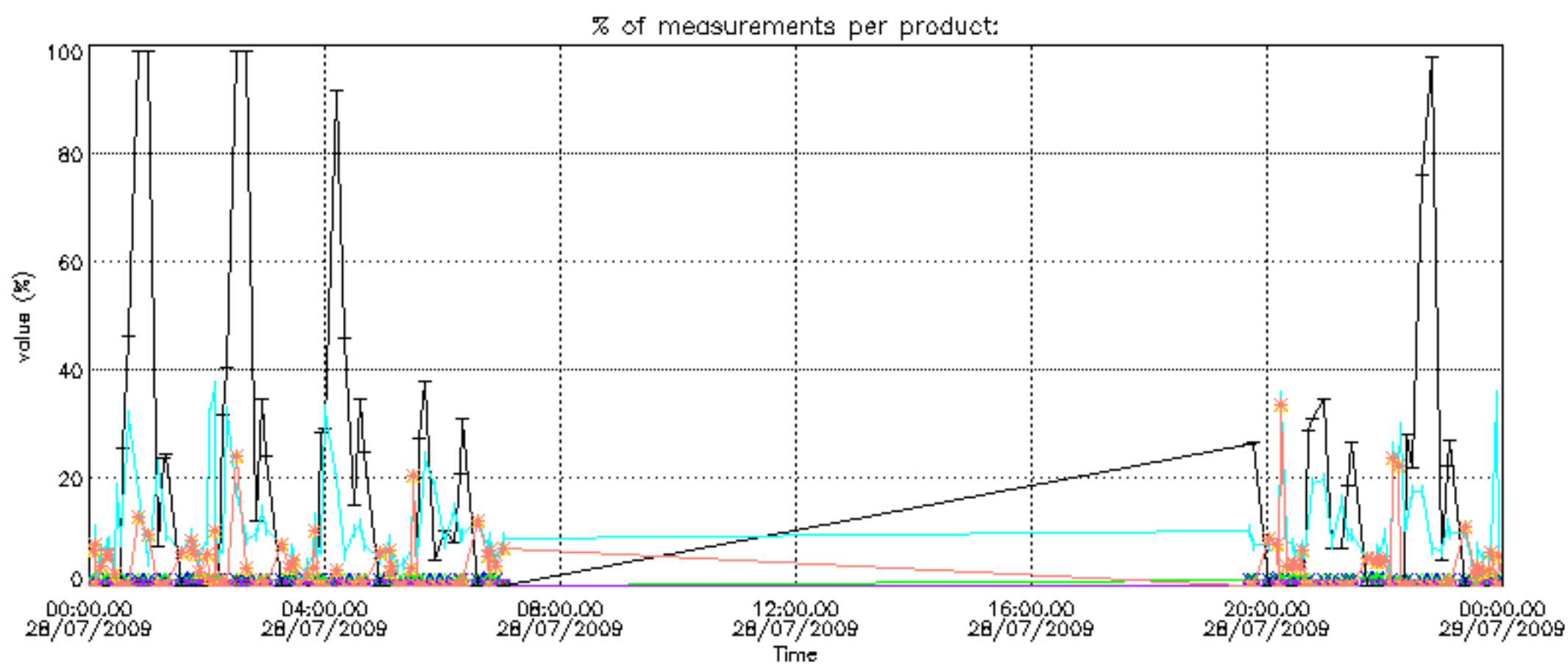
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	28-JUL-2009 00:03:32
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20090724_083809_20090721_000000_20100101_000000	1	28-JUL-2009 00:03:32
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	28-JUL-2009 00:03:32
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	28-JUL-2009 00:03:32
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	28-JUL-2009 00:03:32
ECMWF_FILE	AUX_ECF_AXNECM20090727_064113_20090727_210000_20090728_090000	1	28-JUL-2009 00:03:32
ECMWF_FILE	AUX_ECF_AXNECM20090728_074111_20090728_150000_20090729_030000	74	28-JUL-2009 19:42:04
ECMWF_FILE	AUX_ECF_AXNECM20090728_074111_20090728_210000_20090729_090000	105	28-JUL-2009 22:37:53
OPTIONAL_ECMWF_FILE	MISSING	1	28-JUL-2009 00:03:32
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090727_212219_000060572081_00100_38731_8436.N1	1	28-JUL-2009 00:03:32
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090727_230316_000060572081_00101_38732_8437.N1	12	28-JUL-2009 00:49:55
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090728_004413_000057382081_00102_38733_8438.N1	29	28-JUL-2009 02:30:32
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090728_022510_000041442081_00103_38734_8439.N1	39	28-JUL-2009 03:39:54
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090728_033933_000057382081_00104_38735_8440.N1	57	28-JUL-2009 05:22:19
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090728_193555_000038252081_00114_38745_8442.N1	74	28-JUL-2009 19:42:04
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090728_204500_000060572081_00114_38745_8443.N1	105	28-JUL-2009 22:37:53

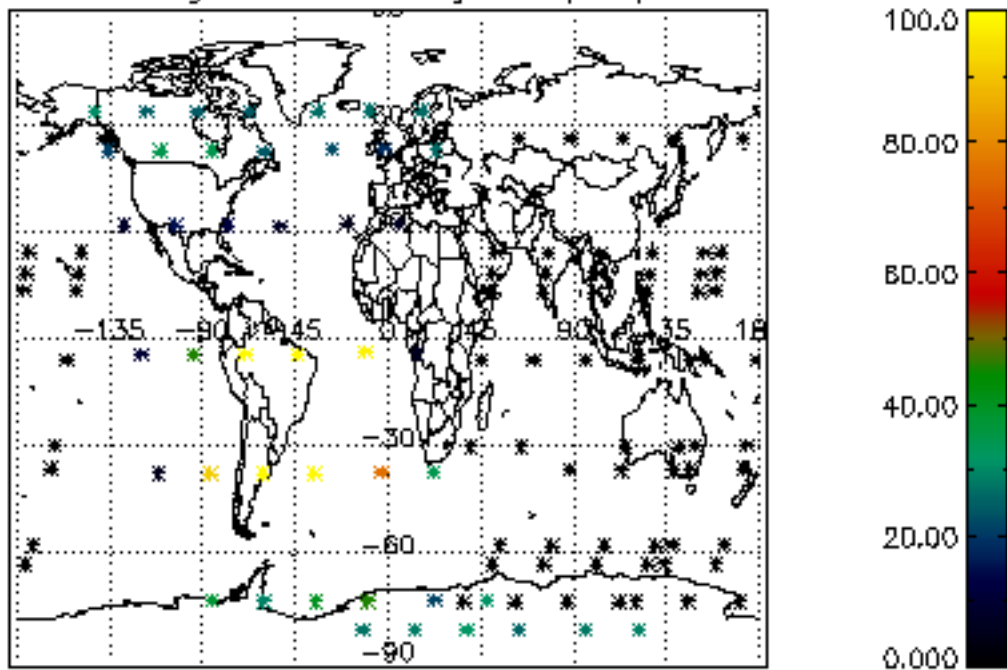




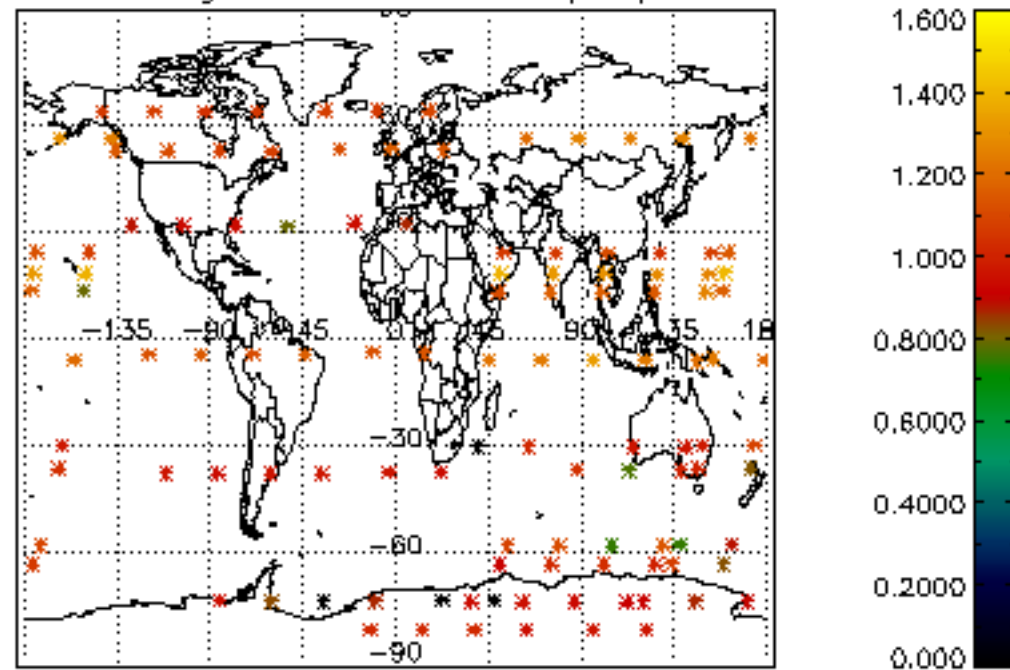




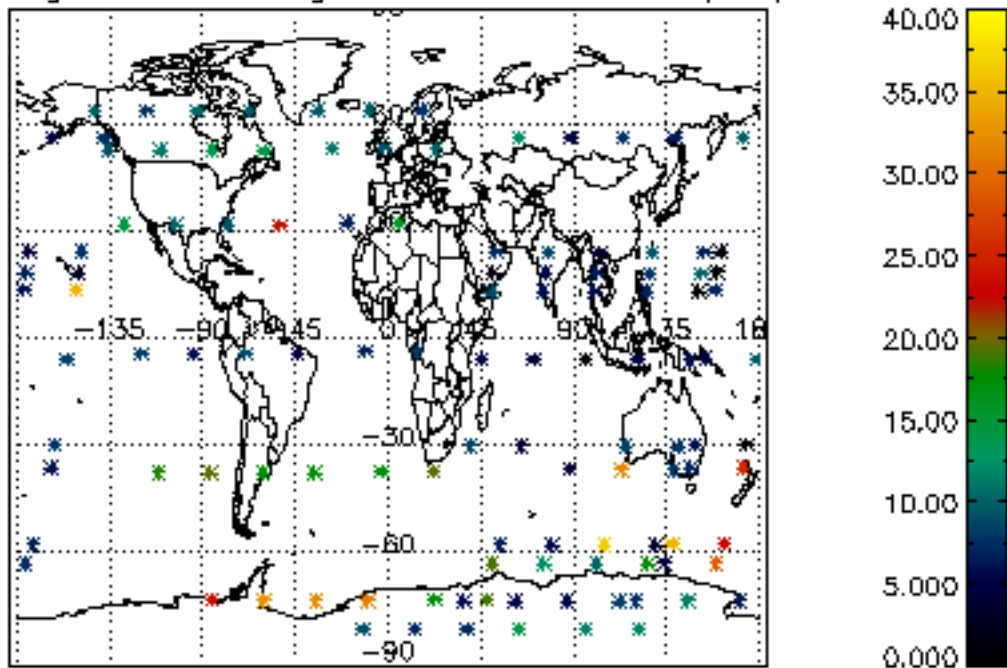
Percentage of cosmic ray hits per profile



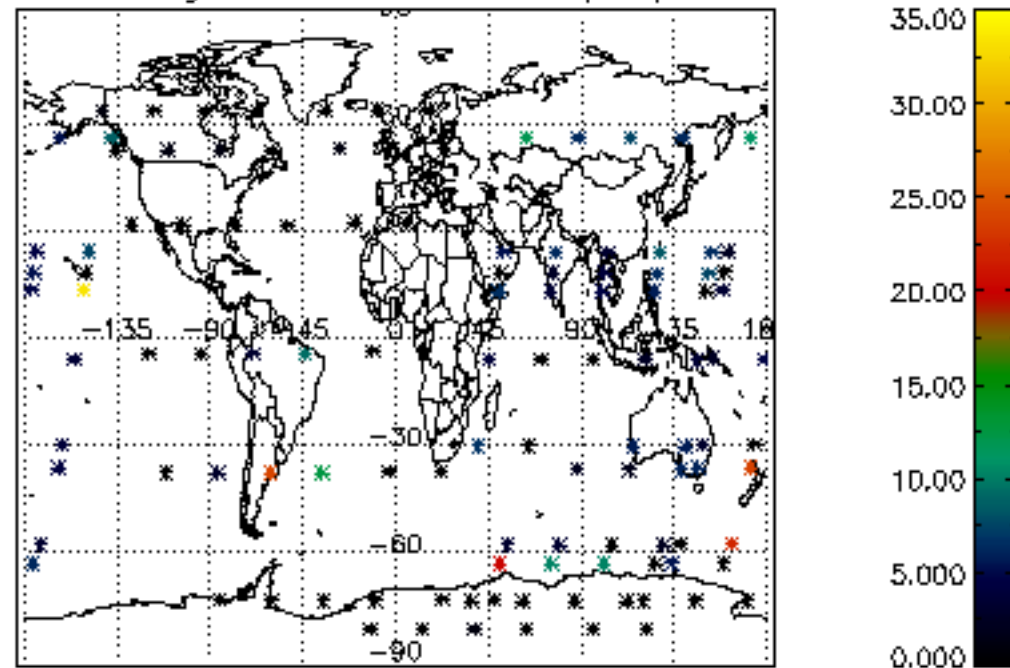
Percentage of datation errors per profile



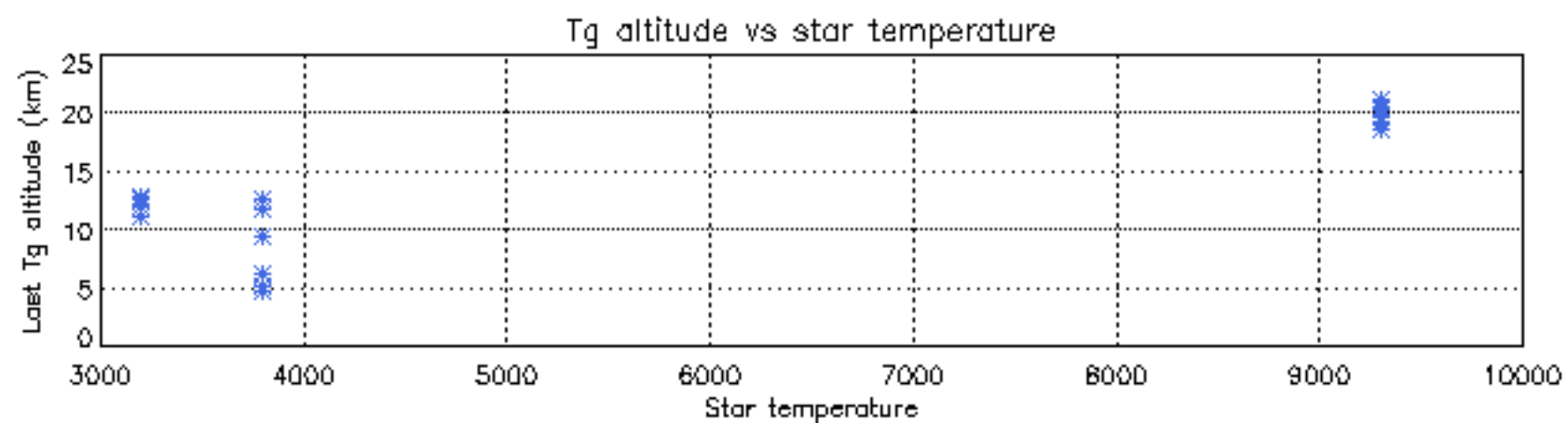
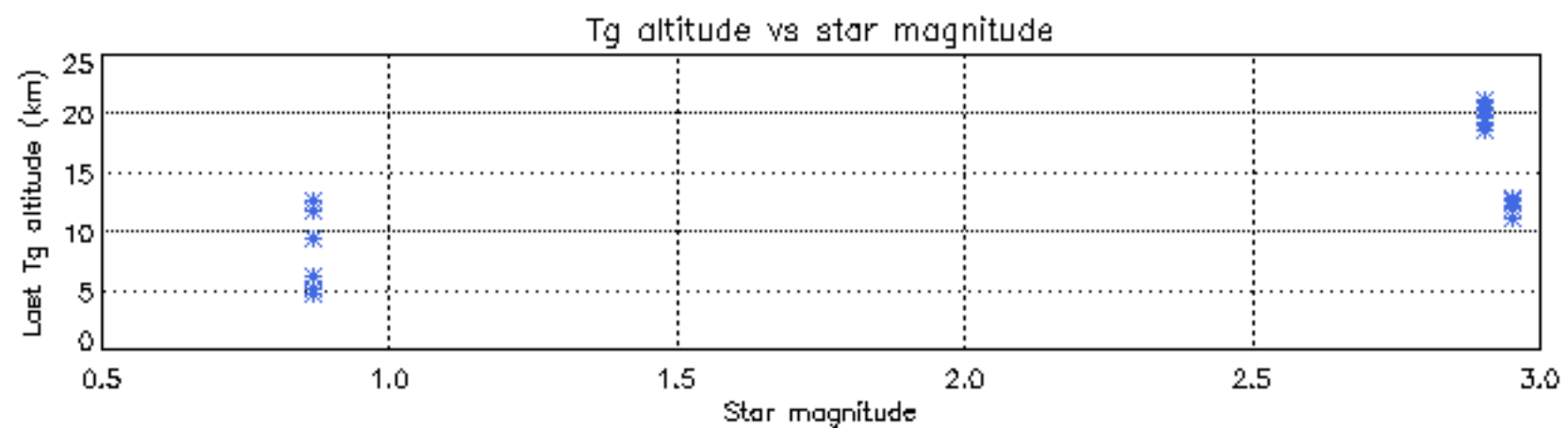
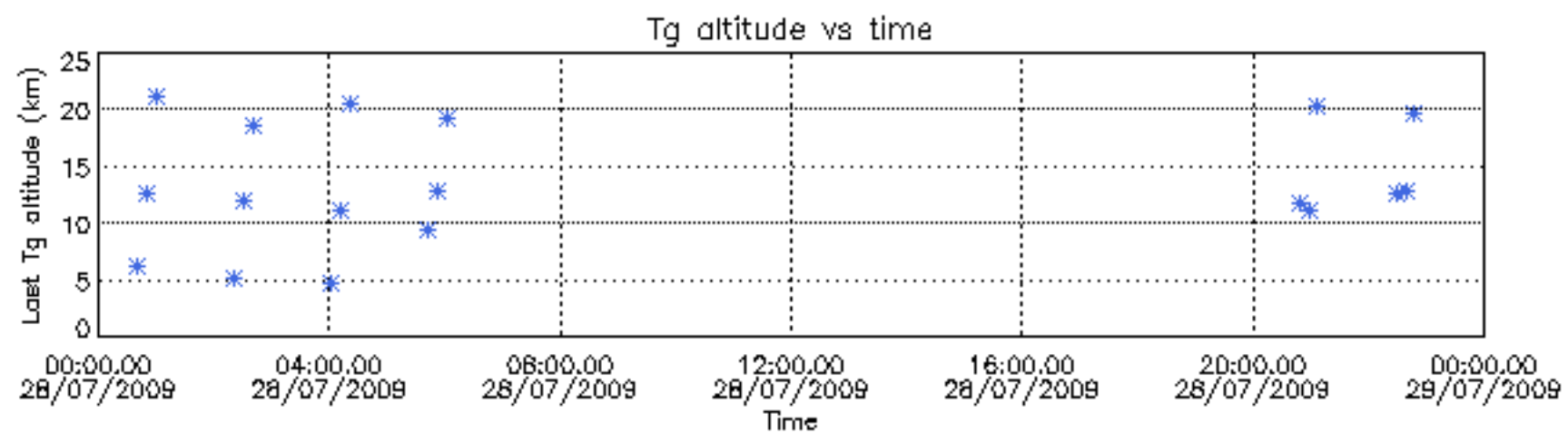
Percentage of star falling outside central band per profile



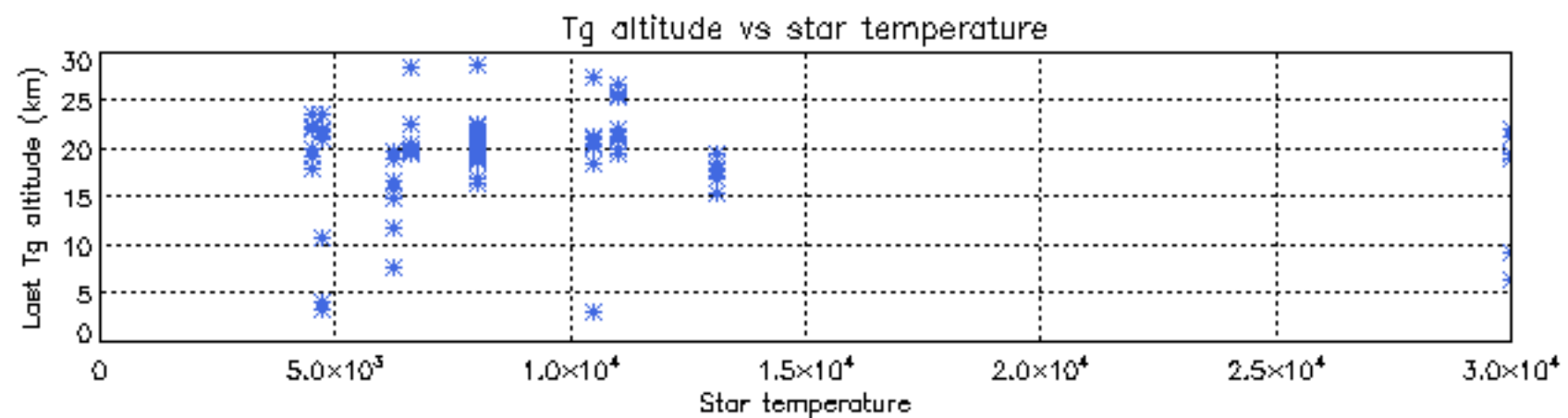
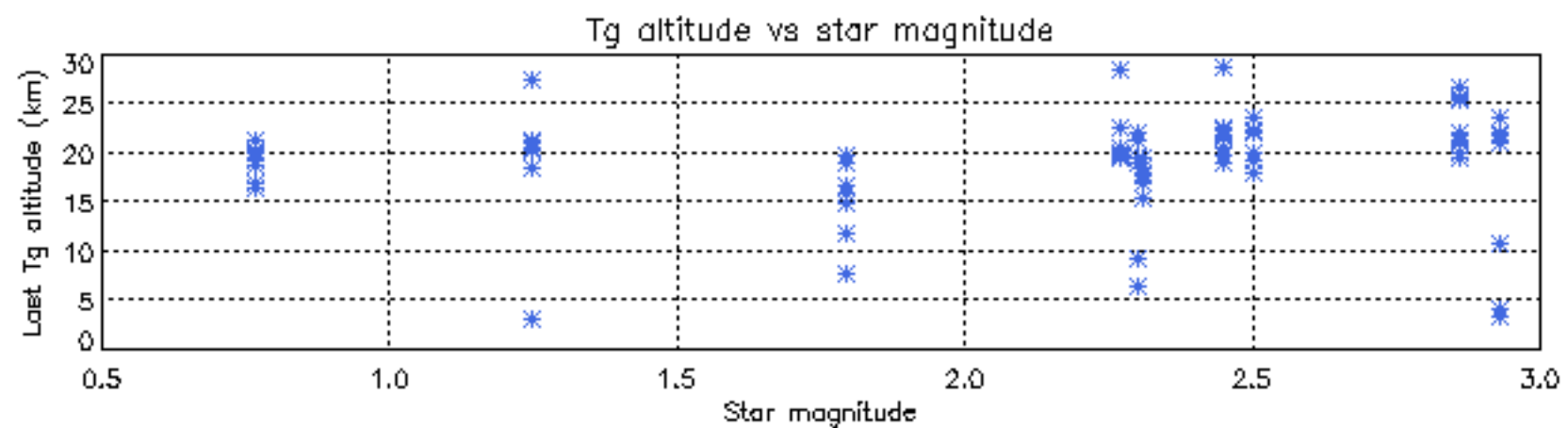
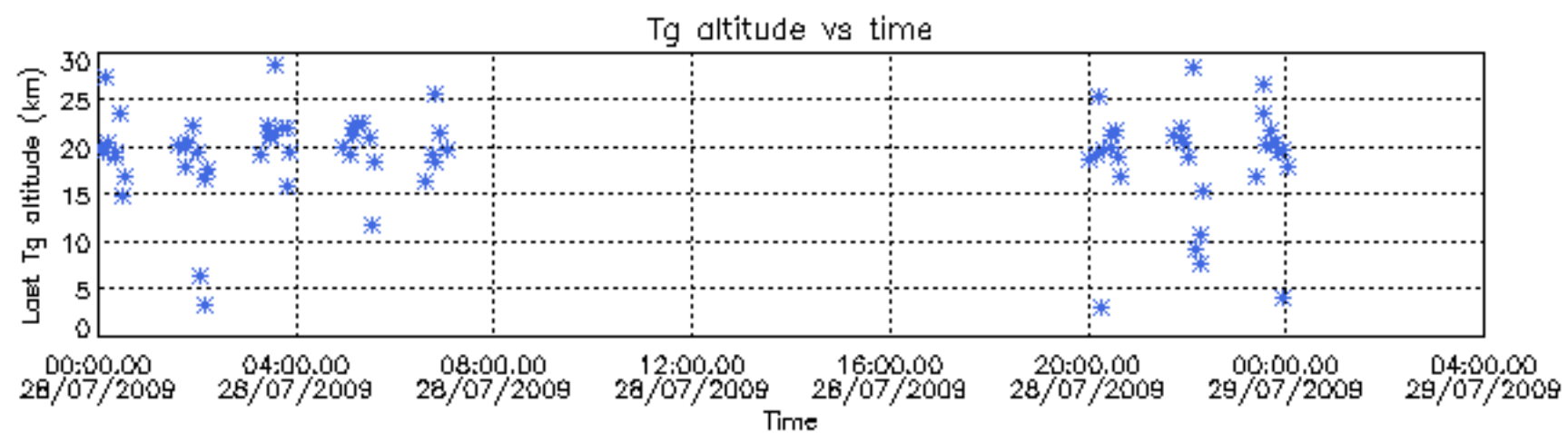
Percentage of saturation errors per profile

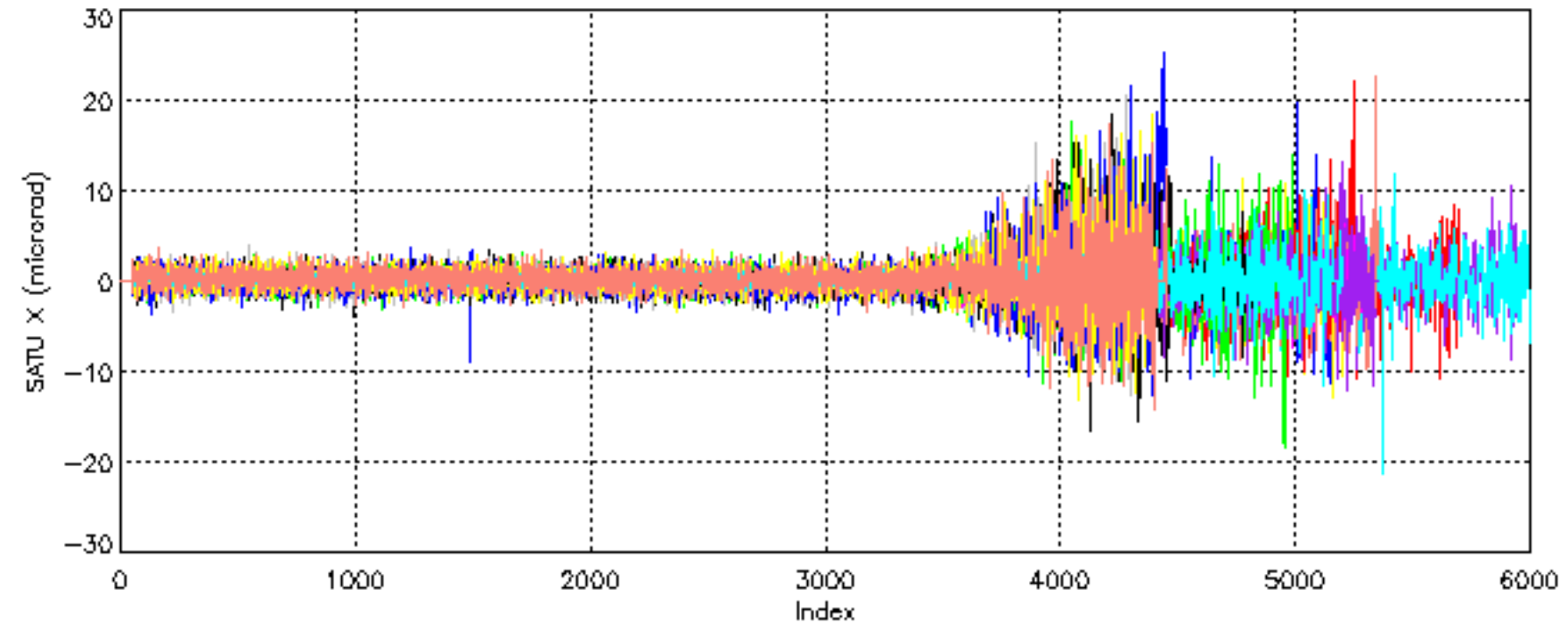


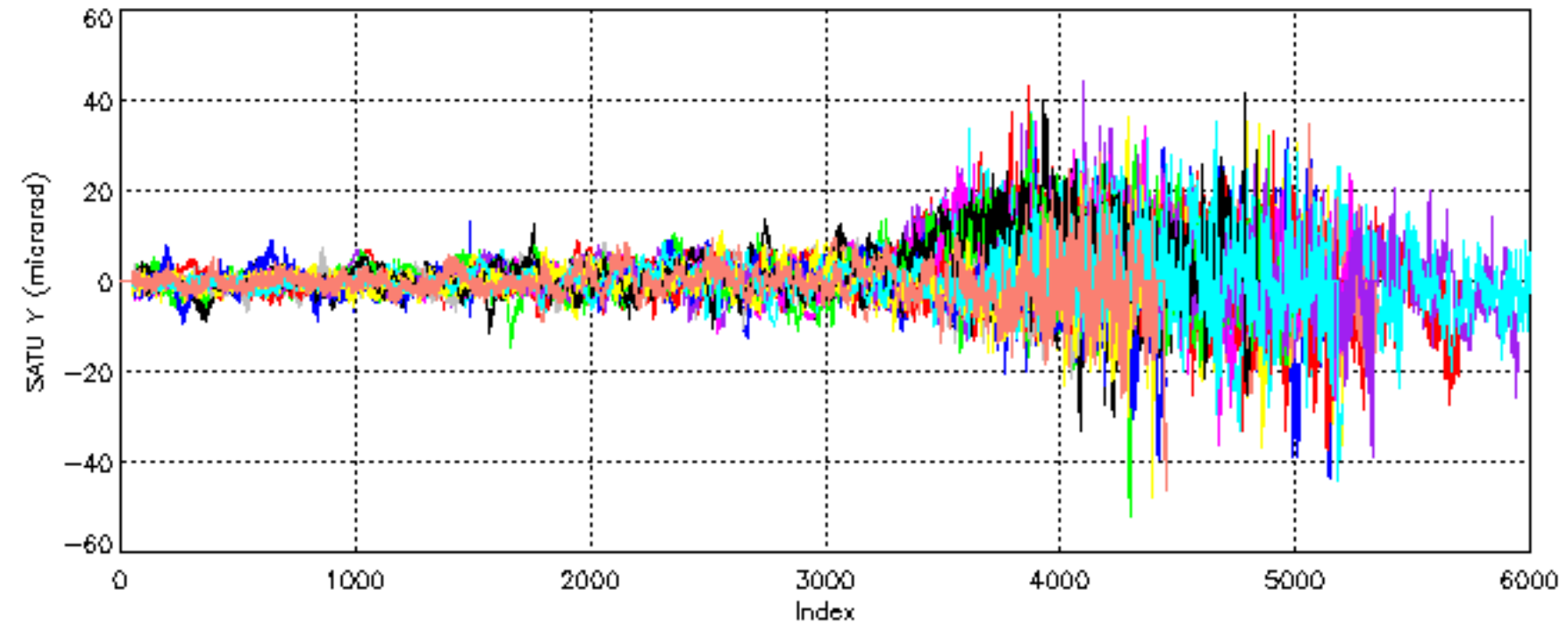
Tangent altitude at which the star is lost

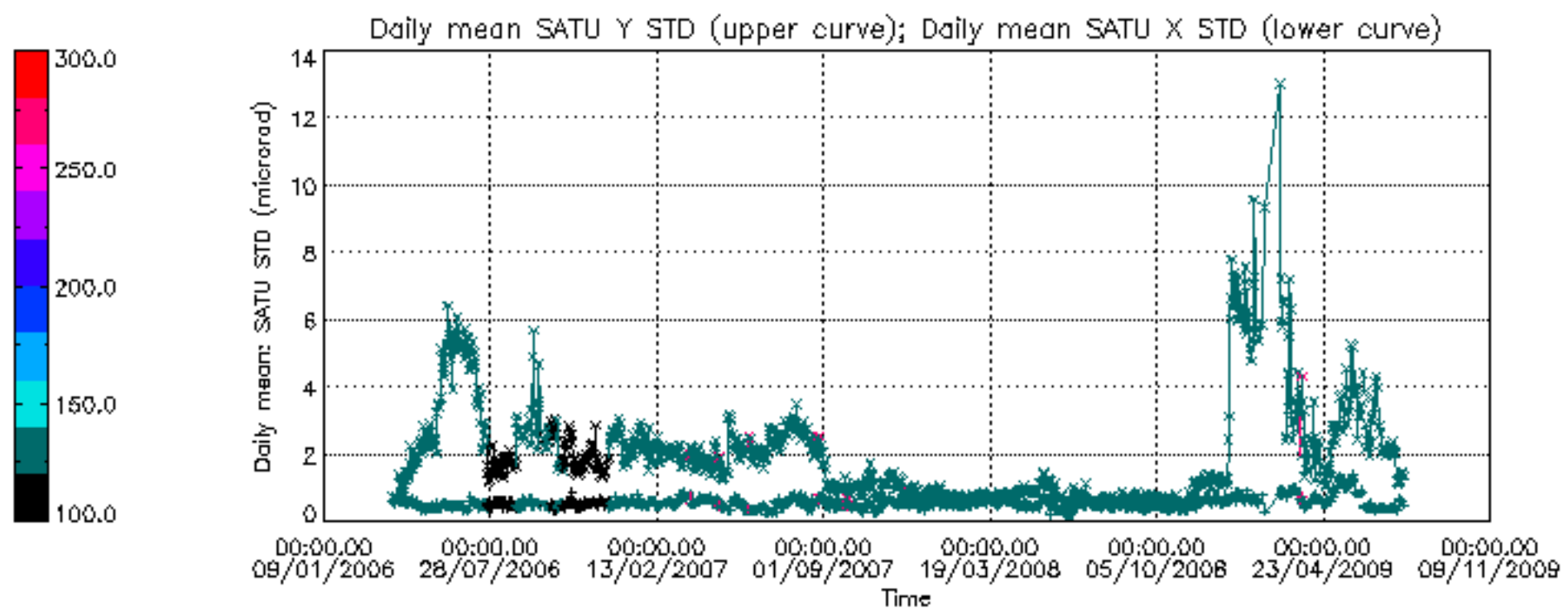


Tangent altitude at which the star is lost









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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20090702_010909_000044272080_00231_38361_8080.N1
 1; -520.0; 02-JUL-2009 01:09:09; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38361
 2; 113.5; 02-JUL-2009 01:19:42; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;38362
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 6; 1483.7; 02-JUL-2009 01:42:33; Bright; 45.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 91; 0;38362
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11; 3777.3; 02-JUL-2009 02:20:46; Bright; 42.5; 74; 11Bet Cas ; 2.27; 6600;occ; 85; 0;38362
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 5; 777.8; 01-JUL-2009 02:02:24; Dark ; 57.0; 172; Gam Gru ; 3.00; 13100;occ; 114; 0;38348
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 7; 2231.3; 01-JUL-2009 02:26:37; Bright; 45.5; 168; 17Zet Aql ; 2.99; 11000;occ; 91; 0;38348
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13; 2920.9; 01-JUL-2009 04:18:43; Bright; 48.5; 144; 18Del Cyg ; 2.86; 11000;occ; 97; 0;38349
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13; 2650.4; 01-JUL-2009 05:54:48; Bright; 46.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 92; 0;38350
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 6; 3778.7; 01-JUL-2009 21:19:00; Bright; 41.0; 74; 11Bet Cas ; 2.27; 6600;occ; 82; 0;38359
 7; 3874.0; 01-JUL-2009 21:20:35; Bright; 34.5; 110; 37Del Cas ; 2.68; 8900;occ; 69; 0;38359
 8; 4265.9; 01-JUL-2009 21:27:07; Bright; 36.0; 73; 57Gam1And ; 2.26; 13100;occ; 72; 0;38359
 9; 4425.8; 01-JUL-2009 21:29:47; Dark ; 36.0; 173; 4Bet Tri ; 3.00; 8900;occ; 72; 0;38359
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 12; 3873.5; 01-JUL-2009 23:01:11; Bright; 35.5; 110; 37Del Cas ; 2.68; 8900;occ; 71; 0;38360
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 5; 791.5; 01-JUL-2009 23:50:25; Dark ; 54.0; 172; Gam Gru ; 3.00; 13100;occ; 108; 0;38361
 6; 1483.5; 02-JUL-2009 00:01:57; Bright; 40.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 80; 0;38361
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 6; 3876.3; 01-JUL-2009 07:55:50; Bright; 35.5; 110; 37Del Cas ; 2.68; 8900;occ; 71; 0;38351
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8; 4428.7; 04-JUL-2009 14:53:11; Dark ; 37.5; 173; 4Bet Tri ; 3.00; 8900;occ; 75; 0;38398
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13; 4429.9; 06-JUL-2009 00:25:11; Dark ; 39.0; 173; 4Bet Tri ; 3.00; 8900;occ; 78; 0;38418
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11; 6200.3; 05-JUL-2009 09:49:18; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;38409
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4; 3301.0; 05-JUL-2009 12:22:10; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;38411
5; 3750.3; 05-JUL-2009 12:29:39; Bright; 42.5; 74; 11Bet Cas ; 2.27; 6600;occ; 85; 0;38411
6; 3857.2; 05-JUL-2009 12:31:26; Bright; 37.5; 110; 37Del Cas ; 2.68; 8900;occ; 75; 0;38411
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7; 4260.1; 06-JUL-2009 10:25:56; Bright; 38.5; 73; 57Gam1And ; 2.26; 13100;occ; 77; 0;38424
8; 4430.2; 06-JUL-2009 10:28:47; Dark ; 39.0; 173; 4Bet Tri ; 3.00; 8900;occ; 78; 0;38424
9; 4708.7; 06-JUL-2009 10:33:25; Dark ; 45.0; 50; 13Alp Ari ; 2.01; 4250;occ; 90; 0;38424
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13; 6711.4; 06-JUL-2009 19:29:47; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;38429
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 3; 568.9; 07-JUL-2009 00:29:48; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;38433
 4; 677.8; 07-JUL-2009 00:31:37; Dark ; 57.0; 31; Alp Gru ; 1.73; 15200;occ; 114; 0;38433
 5; 862.8; 07-JUL-2009 00:34:42; Dark ; 56.5; 172; Gam Gru ; 3.00; 13100;occ; 113; 0;38433
 6; 2192.8; 07-JUL-2009 00:56:52; Bright; 43.0; 168; 17Zet Aql ; 2.99; 11000;occ; 86; 0;38433
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 8; 2854.4; 07-JUL-2009 01:07:54; Bright; 43.0; 144; 18Del Cyg ; 2.86; 11000;occ; 86; 0;38433
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11; 3849.5; 07-JUL-2009 01:24:29; Bright; 37.5; 110; 37Del Cas ; 2.68; 8900;occ; 75; 0;38433
12; 4259.2; 07-JUL-2009 01:31:19; Bright; 39.5; 73; 57Gam1And ; 2.26; 13100;occ; 79; 0;38433
13; 4712.1; 07-JUL-2009 01:38:52; Dark ; 45.0; 50; 13Alp Ari ; 2.01; 4250;occ; 90; 0;38433
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 3; 569.6; 07-JUL-2009 02:10:25; Dark ; 64.0; 63; Bet Gru ; 2.15; 2800;occ; 128; 0;38434
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 5; 863.9; 07-JUL-2009 02:15:19; Dark ; 57.5; 172; Gam Gru ; 3.00; 13100;occ; 115; 0;38434
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 8; 3286.0; 07-JUL-2009 02:55:41; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;38434
 9; 3736.5; 07-JUL-2009 03:03:12; Bright; 46.0; 74; 11Bet Cas ; 2.27; 6600;occ; 92; 0;38434
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 6; 191.5; 07-JUL-2009 03:44:43; Dark ; 51.0; 84; Alp Phe ; 2.40; 4500;occ; 102; 0;38435
 7; 570.4; 07-JUL-2009 03:51:02; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;38435
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 3; -1776.9; 07-JUL-2009 04:52:30; Bright; 42.0; 73; 57Gam1And ; 2.26; 13100;occ; 84; 0;38435
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 5; -1015.7; 07-JUL-2009 05:05:12; Dark ; 40.0; 94; 92Alp Cet ; 2.53; 3100;occ; 80; 0;38435
 6; -446.5; 07-JUL-2009 05:14:41; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38435
 7; 192.5; 07-JUL-2009 05:25:20; Dark ; 51.5; 84; Alp Phe ; 2.40; 4500;occ; 103; 0;38436
 8; 571.2; 07-JUL-2009 05:31:39; Dark ; 55.5; 63; Bet Gru ; 2.15; 2800;occ; 111; 0;38436
 9; 680.6; 07-JUL-2009 05:33:28; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;38436
10; 865.7; 07-JUL-2009 05:36:33; Dark ; 54.5; 172; Gam Gru ; 3.00; 13100;occ; 109; 0;38436
11; 2192.0; 07-JUL-2009 05:58:39; Bright; 64.0; 168; 17Zet Aql ; 2.99; 11000;occ; 128; 0;38436
12; 2852.5; 07-JUL-2009 06:09:40; Bright; 43.5; 144; 18Del Cyg ; 2.86; 11000;occ; 87; 0;38436
13; 3284.9; 07-JUL-2009 06:16:52; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;38436
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 3; 2845.9; 07-JUL-2009 21:14:57; Bright; 47.0; 144; 18Del Cyg ; 2.86; 11000;occ; 94; 0;38445
 4; 3278.9; 07-JUL-2009 21:22:10; Bright; 43.0; 89; 5Alp Cep ; 2.45; 8000;occ; 86; 0;38445
 5; 3729.8; 07-JUL-2009 21:29:41; Bright; 64.0; 74; 11Bet Cas ; 2.27; 6600;occ; 128; 0;38445
 6; 3845.2; 07-JUL-2009 21:31:36; Bright; 38.5; 110; 37Del Cas ; 2.68; 8900;occ; 77; 0;38445
 7; 4257.8; 07-JUL-2009 21:38:29; Bright; 46.0; 73; 57Gam1And ; 2.26; 13100;occ; 92; 0;38445
 8; 4431.7; 07-JUL-2009 21:41:22; Dark ; 45.0; 173; 4Bet Tri ; 3.00; 8900;occ; 90; 0;38445
 9; 4717.4; 07-JUL-2009 21:46:08; Dark ; 39.0; 50; 13Alp Ari ; 2.01; 4250;occ; 78; 0;38445
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 3; 580.5; 07-JUL-2009 22:17:47; Dark ; 54.0; 63; Bet Gru ; 2.15; 2800;occ; 108; 0;38446
 4; 688.6; 07-JUL-2009 22:19:35; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;38446
 5; 875.0; 07-JUL-2009 22:22:42; Dark ; 55.0; 172; Gam Gru ; 3.00; 13100;occ; 110; 0;38446
 6; 2188.5; 07-JUL-2009 22:44:35; Bright; 44.5; 168; 17Zet Aql ; 2.99; 11000;occ; 89; 0;38446
 7; 2845.2; 07-JUL-2009 22:55:32; Bright; 45.0; 144; 18Del Cyg ; 2.86; 11000;occ; 90; 0;38446
 8; 3278.4; 07-JUL-2009 23:02:45; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;38446
 9; 3729.4; 07-JUL-2009 23:10:16; Bright; 54.5; 74; 11Bet Cas ; 2.27; 6600;occ; 109; 0;38446
 10; 3844.7; 07-JUL-2009 23:12:11; Bright; 40.0; 110; 37Del Cas ; 2.68; 8900;occ; 80; 0;38446
 11; 4257.7; 07-JUL-2009 23:19:04; Bright; 43.5; 73; 57Gam1And ; 2.26; 13100;occ; 87; 0;38446
 12; 4431.8; 07-JUL-2009 23:21:58; Dark ; 43.5; 173; 4Bet Tri ; 3.00; 8900;occ; 87; 0;38446
 13; 4717.8; 07-JUL-2009 23:26:44; Dark ; 30.0; 50; 13Alp Ari ; 2.01; 4250;occ; 60; 0;38446
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 3; 581.4; 07-JUL-2009 23:58:24; Dark ; 62.5; 63; Bet Gru ; 2.15; 2800;occ; 125; 0;38447
 4; 689.4; 08-JUL-2009 00:00:12; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;38447
 5; 875.9; 08-JUL-2009 00:03:18; Dark ; 56.0; 172; Gam Gru ; 3.00; 13100;occ; 112; 0;38447
 6; 2188.0; 08-JUL-2009 00:25:10; Bright; 41.5; 168; 17Zet Aql ; 2.99; 11000;occ; 83; 0;38447
 7; 2844.6; 08-JUL-2009 00:36:07; Bright; 44.5; 144; 18Del Cyg ; 2.86; 11000;occ; 89; 0;38447
 8; 3277.8; 08-JUL-2009 00:43:20; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;38447
 9; 3728.8; 08-JUL-2009 00:50:51; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;38447
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 11; 4257.7; 08-JUL-2009 00:59:40; Bright; 42.5; 73; 57Gam1And ; 2.26; 13100;occ; 85; 0;38447
 12; 4431.9; 08-JUL-2009 01:02:34; Dark ; 43.0; 173; 4Bet Tri ; 3.00; 8900;occ; 86; 0;38447
 13; 4718.2; 08-JUL-2009 01:07:21; Dark ; 30.0; 50; 13Alp Ari ; 2.01; 4250;occ; 60; 0;38447
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 3; -1777.0; 07-JUL-2009 06:33:06; Bright; 41.5; 73; 57Gam1And ; 2.26; 13100;occ; 83; 0;38436
 4; -1604.9; 07-JUL-2009 06:35:58; Dark ; 42.5; 173; 4Bet Tri ; 3.00; 8900;occ; 85; 0;38436
 5; -1322.4; 07-JUL-2009 06:40:41; Dark ; 50.0; 50; 13Alp Ari ; 2.01; 4250;occ; 100; 0;38436
 6; -1015.2; 07-JUL-2009 06:45:48; Dark ; 39.0; 94; 92Alp Cet ; 2.53; 3100;occ; 78; 0;38436
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 8; 193.7; 07-JUL-2009 07:05:57; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;38437
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 10; 681.3; 07-JUL-2009 07:14:05; Dark ; 48.0; 31; Alp Gru ; 1.73; 15200;occ; 96; 0;38437
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 5; 3848.1; 07-JUL-2009 08:06:51; Bright; 38.0; 110; 37Del Cas ; 2.68; 8900;occ; 76; 0;38437
 6; 4259.0; 07-JUL-2009 08:13:42; Bright; 42.5; 73; 57Gam1And ; 2.26; 13100;occ; 85; 0;38437
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 12; 6609.2; 07-JUL-2009 08:52:53; Dark ; 65.5; 63; Bet Gru ; 2.15; 2800;occ; 131; 0;38437
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 3; 3283.7; 07-JUL-2009 09:38:03; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;38438
 4; 3734.0; 07-JUL-2009 09:45:33; Bright; 52.0; 74; 11Bet Cas ; 2.27; 6600;occ; 104; 0;38438
 5; 3847.9; 07-JUL-2009 09:47:27; Bright; 38.0; 110; 37Del Cas ; 2.68; 8900;occ; 76; 0;38438
 6; 4258.8; 07-JUL-2009 09:54:18; Bright; 41.0; 73; 57Gam1And ; 2.26; 13100;occ; 82; 0;38438
 7; 4431.1; 07-JUL-2009 09:57:10; Dark ; 42.0; 173; 4Bet Tri ; 3.00; 8900;occ; 84; 0;38438
 8; 4714.5; 07-JUL-2009 10:01:54; Dark ; 49.0; 50; 13Alp Ari ; 2.01; 4250;occ; 98; 0;38438
 9; 5021.8; 07-JUL-2009 10:07:01; Dark ; 40.5; 94; 92Alp Cet ; 2.53; 3100;occ; 81; 0;38438
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14; 6904.6; 07-JUL-2009 10:38:24; Dark ; 54.5; 172; Gam Gru ; 3.00; 13100;occ; 109; 0;38438
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4; 3725.7; 08-JUL-2009 09:13:48; Bright; 59.5; 74; 11Bet Cas ; 2.27; 6600;occ; 119; 0;38452
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8; 5029.4; 08-JUL-2009 09:35:32; Dark ; 42.0; 94; 92Alp Cet ; 2.53; 3100;occ; 84; 0;38452
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11; 6623.7; 08-JUL-2009 11:42:42; Dark ; 64.5; 63; Bet Gru ; 2.15; 2800;occ; 129; 0;38453
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4; 3251.7; 10-JUL-2009 21:27:27; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;38488
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5; 3832.1; 10-JUL-2009 08:12:20; Bright; 42.0; 110; 37Del Cas ; 2.68; 8900;occ; 84; 0;38480
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4; 3707.5; 10-JUL-2009 09:50:52; Bright; 47.0; 74; 11Bet Cas ; 2.27; 6600;occ; 94; 0;38481
5; 3831.6; 10-JUL-2009 09:52:56; Bright; 39.0; 110; 37Del Cas ; 2.68; 8900;occ; 78; 0;38481
6; 4253.3; 10-JUL-2009 09:59:57; Bright; 45.0; 73; 57Gam1And ; 2.26; 13100;occ; 90; 0;38481
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 3; 668.7; 14-JUL-2009 21:59:08; Dark ; 63.0; 63; Bet Gru ; 2.15; 2800;occ; 126; 0;38546
 4; 766.4; 14-JUL-2009 22:00:46; Dark ; 55.0; 31; Alp Gru ; 1.73; 15200;occ; 110; 0;38546
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 7; 2784.2; 14-JUL-2009 22:34:24; Bright; 43.5; 144; 18Del Cyg ; 2.86; 11000;occ; 87; 0;38546
 8; 2929.8; 14-JUL-2009 22:36:49; Bright; 52.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 104; 0;38546
 9; 3216.7; 14-JUL-2009 22:41:36; Bright; 40.0; 89; 5Alp Cep ; 2.45; 8000;occ; 80; 0;38546
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11; 3804.8; 14-JUL-2009 22:51:24; Bright; 44.5; 110; 37Del Cas ; 2.68; 8900;occ; 89; 0;38546
12; 4041.9; 14-JUL-2009 22:55:21; Bright; 52.5; 160; 23Gam Per ; 2.93; 4700;occ; 105; 0;38546
13; 4121.8; 14-JUL-2009 22:56:41; Bright; 43.0; 35; 33Alp Per ; 1.79; 6250;occ; 86; 0;38546
14; 4297.3; 14-JUL-2009 22:59:37; Bright; 47.5; 79; 26Bet Per ; 2.31; 13100;occ; 95; 0;38546
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 3; 669.3; 14-JUL-2009 23:39:45; Dark ; 60.5; 63; Bet Gru ; 2.15; 2800;occ; 121; 0;38547
 4; 766.9; 14-JUL-2009 23:41:22; Dark ; 53.5; 31; Alp Gru ; 1.73; 15200;occ; 107; 0;38547
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 6; 2109.9; 15-JUL-2009 00:03:45; Bright; 49.5; 11; 53Alp Aql ; 0.76; 8000;occ; 99; 0;38547
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12; 4041.7; 15-JUL-2009 00:35:57; Bright; 37.0; 160; 23Gam Per ; 2.93; 4700;occ; 74; 0;38547
13; 4121.8; 15-JUL-2009 00:37:17; Bright; 40.5; 35; 33Alp Per ; 1.79; 6250;occ; 81; 0;38547
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 4; 3218.7; 14-JUL-2009 17:39:50; Bright; 42.0; 89; 5Alp Cep ; 2.45; 8000;occ; 84; 0;38543
 5; 3666.7; 14-JUL-2009 17:47:18; Bright; 49.0; 74; 11Bet Cas ; 2.27; 6600;occ; 98; 0;38543
 6; 3806.0; 14-JUL-2009 17:49:38; Bright; 42.5; 110; 37Del Cas ; 2.68; 8900;occ; 85; 0;38543
 7; 4042.4; 14-JUL-2009 17:53:34; Bright; 60.0; 160; 23Gam Per ; 2.93; 4700;occ; 120; 0;38543
 8; 4122.1; 14-JUL-2009 17:54:54; Bright; 40.0; 35; 33Alp Per ; 1.79; 6250;occ; 80; 0;38543
 9; 4242.4; 14-JUL-2009 17:56:54; Bright; 26.0; 73; 57Gam1And ; 2.26; 13100;occ; 52; 0;38543
10; 4297.4; 14-JUL-2009 17:57:49; Bright; 42.0; 79; 26Bet Per ; 2.31; 13100;occ; 84; 0;38543
11; 5087.4; 14-JUL-2009 18:10:59; Dark ; 65.0; 94; 92Alp Cet ; 2.53; 3100;occ; 130; 0;38543
12; 5433.2; 14-JUL-2009 18:16:45; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38543
13; 6350.0; 14-JUL-2009 18:32:02; Dark ; 55.5; 84; Alp Phe ; 2.40; 4500;occ; 111; 0;38543
14; 6703.1; 14-JUL-2009 18:37:55; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;38543
15; 6800.8; 14-JUL-2009 18:39:32; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;38543
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 3; 2785.2; 14-JUL-2009 19:13:13; Bright; 42.0; 144; 18Del Cyg ; 2.86; 11000;occ; 84; 0;38544
 4; 2931.7; 14-JUL-2009 19:15:39; Bright; 57.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 115; 0;38544
 5; 3217.9; 14-JUL-2009 19:20:26; Bright; 41.0; 89; 5Alp Cep ; 2.45; 8000;occ; 82; 0;38544
 6; 3666.2; 14-JUL-2009 19:27:54; Bright; 51.5; 74; 11Bet Cas ; 2.27; 6600;occ; 103; 0;38544
 7; 3805.6; 14-JUL-2009 19:30:13; Bright; 45.5; 110; 37Del Cas ; 2.68; 8900;occ; 91; 0;38544
 8; 4042.6; 14-JUL-2009 19:34:10; Bright; 46.5; 160; 23Gam Per ; 2.93; 4700;occ; 93; 0;38544
 9; 4122.2; 14-JUL-2009 19:35:30; Bright; 59.0; 35; 33Alp Per ; 1.79; 6250;occ; 118; 0;38544
 10; 4297.4; 14-JUL-2009 19:38:25; Bright; 50.5; 79; 26Bet Per ; 2.31; 13100;occ; 101; 0;38544
 11; 5088.3; 14-JUL-2009 19:51:36; Dark ; 66.0; 94; 92Alp Cet ; 2.53; 3100;occ; 132; 0;38544
 12; 5434.0; 14-JUL-2009 19:57:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38544
 13; 6350.9; 14-JUL-2009 20:12:39; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;38544
 14; 6703.7; 14-JUL-2009 20:18:31; Dark ; 61.0; 63; Bet Gru ; 2.15; 2800;occ; 122; 0;38544
 15; 6801.5; 14-JUL-2009 20:20:09; Dark ; 53.5; 31; Alp Gru ; 1.73; 15200;occ; 107; 0;38544
 16; 6994.0; 14-JUL-2009 20:23:22; Dark ; 15.0; 172; Gam Gru ; 3.00; 13100;occ; 30; 0;38544

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 3; 670.2; 15-JUL-2009 01:20:21; Dark ; 65.5; 63; Bet Gru ; 2.15; 2800;occ; 131; 0;38548
 4; 767.6; 15-JUL-2009 01:21:59; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;38548
 5; 960.4; 15-JUL-2009 01:25:12; Dark ; 53.0; 172; Gam Gru ; 3.00; 13100;occ; 106; 0;38548
 6; 2109.7; 15-JUL-2009 01:44:21; Bright; 48.5; 11; 53Alp Aql ; 0.76; 8000;occ; 97; 0;38548
 7; 2783.0; 15-JUL-2009 01:55:34; Bright; 39.0; 144; 18Del Cyg ; 2.86; 11000;occ; 78; 0;38548
 8; 2927.9; 15-JUL-2009 01:57:59; Bright; 51.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 102; 0;38548
 9; 3215.4; 15-JUL-2009 02:02:47; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;38548
 10; 3663.3; 15-JUL-2009 02:10:15; Bright; 49.0; 74; 11Bet Cas ; 2.27; 6600;occ; 98; 0;38548
 11; 3803.7; 15-JUL-2009 02:12:35; Bright; 49.0; 110; 37Del Cas ; 2.68; 8900;occ; 98; 0;38548
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 2; -1914.2; 15-JUL-2009 02:17:53; Bright; 42.0; 35; 33Alp Per ; 1.79; 6250;occ; 84; 0;38548
 3; -1738.7; 15-JUL-2009 02:20:48; Bright; 47.0; 79; 26Bet Per ; 2.31; 13100;occ; 94; 0;38548
 4; -944.8; 15-JUL-2009 02:34:02; Dark ; 60.5; 94; 92Alp Cet ; 2.53; 3100;occ; 121; 0;38548
 5; -598.4; 15-JUL-2009 02:39:49; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38548
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 7; 670.9; 15-JUL-2009 03:00:58; Dark ; 63.0; 63; Bet Gru ; 2.15; 2800;occ; 126; 0;38549
 8; 768.4; 15-JUL-2009 03:02:36; Dark ; 50.0; 31; Alp Gru ; 1.73; 15200;occ; 100; 0;38549
 9; 961.1; 15-JUL-2009 03:05:48; Dark ; 51.5; 172; Gam Gru ; 3.00; 13100;occ; 103; 0;38549
 10; 2109.4; 15-JUL-2009 03:24:57; Bright; 49.5; 11; 53Alp Aql ; 0.76; 8000;occ; 99; 0;38549
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 12; 2927.1; 15-JUL-2009 03:38:34; Bright; 45.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 90; 0;38549
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 3; -1994.7; 15-JUL-2009 03:57:09; Bright; 61.0; 160; 23Gam Per ; 2.93; 4700;occ; 122; 0;38549
 4; -1914.3; 15-JUL-2009 03:58:29; Bright; 46.0; 35; 33Alp Per ; 1.79; 6250;occ; 92; 0;38549
 5; -1738.6; 15-JUL-2009 04:01:25; Bright; 47.5; 79; 26Bet Per ; 2.31; 13100;occ; 95; 0;38549
 6; -944.0; 15-JUL-2009 04:14:39; Dark ; 58.0; 94; 92Alp Cet ; 2.53; 3100;occ; 116; 0;38549
 7; -597.5; 15-JUL-2009 04:20:26; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;38549
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 9; 672.1; 15-JUL-2009 04:41:35; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;38550
 10; 769.2; 15-JUL-2009 04:43:12; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;38550
 11; 961.6; 15-JUL-2009 04:46:25; Dark ; 51.5; 172; Gam Gru ; 3.00; 13100;occ; 103; 0;38550
 12; 2109.0; 15-JUL-2009 05:05:32; Bright; 46.0; 11; 53Alp Aql ; 0.76; 8000;occ; 92; 0;38550
 13; 2782.0; 15-JUL-2009 05:16:45; Bright; 41.5; 144; 18Del Cyg ; 2.86; 11000;occ; 83; 0;38550
 14; 2926.3; 15-JUL-2009 05:19:09; Bright; 51.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 103; 0;38550
 15; 3214.4; 15-JUL-2009 05:23:58; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;38550
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 4; -1914.7; 15-JUL-2009 05:39:05; Bright; 43.0; 35; 33Alp Per ; 1.79; 6250;occ; 86; 0;38550
 5; -1738.8; 15-JUL-2009 05:42:00; Bright; 48.0; 79; 26Bet Per ; 2.31; 13100;occ; 96; 0;38550
 6; -943.5; 15-JUL-2009 05:55:16; Dark ; 60.5; 94; 92Alp Cet ; 2.53; 3100;occ; 121; 0;38550

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9; 673.0; 15-JUL-2009 06:22:12; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;38551
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6; -942.6; 15-JUL-2009 07:35:53; Dark ; 60.0; 94; 92Alp Cet ; 2.53; 3100;occ; 120; 0;38551
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3; 2899.5; 17-JUL-2009 10:57:52; Bright; 50.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 101; 0;38582
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8; 4118.0; 17-JUL-2009 11:18:11; Bright; 53.0; 35; 33Alp Per ; 1.79; 6250;occ; 106; 0;38582
9; 4296.0; 17-JUL-2009 11:21:09; Bright; 47.5; 79; 26Bet Per ; 2.31; 13100;occ; 95; 0;38582
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11; 4629.6; 17-JUL-2009 11:26:43; Dark ; 44.5; 146; 25Eta Tau ; 2.87; 15200;occ; 89; 0;38582
12; 5117.7; 17-JUL-2009 11:34:51; Dark ; 62.5; 94; 92Alp Cet ; 2.53; 3100;occ; 125; 0;38582
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3; 2898.7; 17-JUL-2009 12:38:28; Bright; 50.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 101; 0;38583
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5; 3638.7; 17-JUL-2009 12:50:48; Bright; 74.0; 74; 11Bet Cas ; 2.27; 6600;occ; 148; 0;38583
6; 3755.6; 17-JUL-2009 12:52:44; Bright; 51.0; 68; 18Alp Cas ; 2.22; 4500;occ; 102; 0;38583
7; 4035.5; 17-JUL-2009 12:57:24; Bright; 62.0; 160; 23Gam Per ; 2.93; 4700;occ; 124; 0;38583
8; 4118.0; 17-JUL-2009 12:58:47; Bright; 41.5; 35; 33Alp Per ; 1.79; 6250;occ; 83; 0;38583
9; 4295.9; 17-JUL-2009 13:01:45; Bright; 49.5; 79; 26Bet Per ; 2.31; 13100;occ; 99; 0;38583
10; 4473.2; 17-JUL-2009 13:04:42; Dark ; 42.0; 150; 44Zet Per ; 2.89; 28000;occ; 84; 0;38583
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16; 6829.6; 17-JUL-2009 13:43:58; Dark ; 46.5; 31; Alp Gru ; 1.73; 15200;occ; 93; 0;38583
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3; 2897.8; 17-JUL-2009 14:19:03; Bright; 50.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 100; 0;38584
4; 3194.8; 17-JUL-2009 14:23:59; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;38584
5; 3638.2; 17-JUL-2009 14:31:23; Bright; 74.0; 74; 11Bet Cas ; 2.27; 6600;occ; 148; 0;38584
6; 3755.1; 17-JUL-2009 14:33:20; Bright; 50.0; 68; 18Alp Cas ; 2.22; 4500;occ; 100; 0;38584
7; 4035.3; 17-JUL-2009 14:38:00; Bright; 40.0; 160; 23Gam Per ; 2.93; 4700;occ; 80; 0;38584

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 13; 5471.2; 17-JUL-2009 15:01:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38584
 14; 6397.1; 17-JUL-2009 15:17:22; Dark ; 55.5; 84; Alp Phe ; 2.40; 4500;occ; 111; 0;38584
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 16; 6831.1; 17-JUL-2009 17:05:12; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;38585
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 4; 3193.6; 17-JUL-2009 17:45:10; Bright; 40.0; 89; 5Alp Cep ; 2.45; 8000;occ; 80; 0;38586
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 13; 4021.9; 22-JUL-2009 00:15:30; Bright; 61.5; 160; 23Gam Per ; 2.93; 4700;occ; 123; 0;38647
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 6; 3693.6; 21-JUL-2009 12:25:50; Bright; 46.5; 76; 27Gam Cas ; 2.30; 30000;occ; 93; 0;38640
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13; 1031.5; 22-JUL-2009 06:08:03; Dark ; 48.0; 172; Gam Gru ; 3.00; 13100;occ; 96; 0;38651
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7; 4009.2; 25-JUL-2009 10:24:38; Bright; 43.5; 160; 23Gam Per ; 2.93; 4700;occ; 87; 0;38696
8; 4100.7; 25-JUL-2009 10:26:09; Bright; 46.5; 35; 33Alp Per ; 1.79; 6250;occ; 93; 0;38696
9; 4288.1; 25-JUL-2009 10:29:17; Bright; 52.0; 79; 26Bet Per ; 2.31; 13100;occ; 104; 0;38696
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11; 4661.0; 25-JUL-2009 10:35:30; Dark ; 50.0; 146; 25Eta Tau ; 2.87; 15200;occ; 100; 0;38696
12; 4756.5; 25-JUL-2009 10:37:05; Dark ; 59.0; 13; 87Alp Tau ; 0.87; 3800;occ; 118; 0;38696
13; 5368.1; 25-JUL-2009 10:47:17; Dark ; 46.0; 165; 34Gam Eri ; 2.95; 3200;occ; 92; 0;38696
14; 5597.8; 25-JUL-2009 10:51:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38696
15; 5926.8; 25-JUL-2009 10:56:35; Dark ; 44.5; 157; The1Eri ; 2.91; 9300;occ; 89; 0;38696
16; 6525.4; 25-JUL-2009 11:06:34; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;38696
17; 6902.8; 25-JUL-2009 11:12:51; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;38696
18; 7094.7; 25-JUL-2009 11:16:03; Dark ; 48.0; 172; Gam Gru ; 3.00; 13100;occ; 96; 0;38696
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3; 2817.6; 25-JUL-2009 11:45:22; Bright; 45.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 90; 0;38697
4; 3134.4; 25-JUL-2009 11:50:39; Bright; 40.5; 89; 5Alp Cep ; 2.45; 8000;occ; 81; 0;38697
5; 3553.7; 25-JUL-2009 11:57:38; Bright; 50.5; 74; 11Bet Cas ; 2.27; 6600;occ; 101; 0;38697
6; 3658.7; 25-JUL-2009 11:59:23; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;38697
7; 4009.0; 25-JUL-2009 12:05:13; Bright; 46.0; 160; 23Gam Per ; 2.93; 4700;occ; 92; 0;38697
8; 4100.5; 25-JUL-2009 12:06:45; Bright; 46.5; 35; 33Alp Per ; 1.79; 6250;occ; 93; 0;38697
9; 4288.0; 25-JUL-2009 12:09:52; Bright; 53.5; 79; 26Bet Per ; 2.31; 13100;occ; 107; 0;38697
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11; 4661.3; 25-JUL-2009 12:16:06; Dark ; 49.5; 146; 25Eta Tau ; 2.87; 15200;occ; 99; 0;38697
12; 4756.7; 25-JUL-2009 12:17:41; Dark ; 58.5; 13; 87Alp Tau ; 0.87; 3800;occ; 117; 0;38697
13; 5368.9; 25-JUL-2009 12:27:53; Dark ; 47.5; 165; 34Gam Eri ; 2.95; 3200;occ; 95; 0;38697
14; 5599.1; 25-JUL-2009 12:31:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38697
15; 5927.7; 25-JUL-2009 12:37:12; Dark ; 43.5; 157; The1Eri ; 2.91; 9300;occ; 87; 0;38697
16; 6526.5; 25-JUL-2009 12:47:11; Dark ; 54.5; 84; Alp Phe ; 2.40; 4500;occ; 109; 0;38697
17; 6903.4; 25-JUL-2009 12:53:28; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;38697
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3; 2817.0; 25-JUL-2009 13:25:57; Bright; 58.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 117; 0;38698
4; 3133.9; 25-JUL-2009 13:31:14; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;38698
5; 3552.9; 25-JUL-2009 13:38:13; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;38698
6; 4008.8; 25-JUL-2009 13:45:49; Bright; 48.5; 160; 23Gam Per ; 2.93; 4700;occ; 97; 0;38698
7; 4100.3; 25-JUL-2009 13:47:21; Bright; 65.0; 35; 33Alp Per ; 1.79; 6250;occ; 130; 0;38698

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 12; 5369.8; 25-JUL-2009 14:08:30; Dark ; 49.0; 165; 34Gam Eri ; 2.95; 3200;occ; 98; 0;38698
 13; 5600.4; 25-JUL-2009 14:12:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38698
 14; 5928.6; 25-JUL-2009 14:17:49; Dark ; 43.0; 157; The1Eri ; 2.91; 9300;occ; 86; 0;38698
 15; 6527.7; 25-JUL-2009 14:27:48; Dark ; 55.0; 84; Alp Phe ; 2.40; 4500;occ; 110; 0;38698
 16; 6904.1; 25-JUL-2009 14:34:04; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;38698
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 4; 3133.4; 25-JUL-2009 15:11:50; Bright; 42.0; 89; 5Alp Cep ; 2.45; 8000;occ; 84; 0;38699
 5; 3552.2; 25-JUL-2009 15:18:49; Bright; 67.5; 74; 11Bet Cas ; 2.27; 6600;occ; 135; 0;38699
 6; 3657.6; 25-JUL-2009 15:20:34; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;38699
 7; 4008.6; 25-JUL-2009 15:26:25; Bright; 44.5; 160; 23Gam Per ; 2.93; 4700;occ; 89; 0;38699
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 9; 4287.8; 25-JUL-2009 15:31:04; Bright; 52.5; 79; 26Bet Per ; 2.31; 13100;occ; 105; 0;38699
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 11; 4662.1; 25-JUL-2009 15:37:18; Dark ; 51.5; 146; 25Eta Tau ; 2.87; 15200;occ; 103; 0;38699
 12; 4757.5; 25-JUL-2009 15:38:54; Dark ; 50.0; 13; 87Alp Tau ; 0.87; 3800;occ; 100; 0;38699
 13; 5370.7; 25-JUL-2009 15:49:07; Dark ; 55.0; 165; 34Gam Eri ; 2.95; 3200;occ; 110; 0;38699
 14; 5601.8; 25-JUL-2009 15:52:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38699
 15; 5929.6; 25-JUL-2009 15:58:26; Dark ; 45.0; 157; The1Eri ; 2.91; 9300;occ; 90; 0;38699
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 17; 6904.7; 25-JUL-2009 16:14:41; Dark ; 47.0; 31; Alp Gru ; 1.73; 15200;occ; 94; 0;38699
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 3; 2815.7; 25-JUL-2009 16:47:08; Bright; 65.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 130; 0;38700
 4; 3133.0; 25-JUL-2009 16:52:25; Bright; 41.5; 89; 5Alp Cep ; 2.45; 8000;occ; 83; 0;38700
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 7; 4008.3; 25-JUL-2009 17:07:01; Bright; 45.0; 160; 23Gam Per ; 2.93; 4700;occ; 90; 0;38700
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 10; 4488.9; 25-JUL-2009 17:15:01; Dark ; 50.0; 150; 44Zet Per ; 2.89; 28000;occ; 100; 0;38700
 11; 4662.6; 25-JUL-2009 17:17:55; Dark ; 52.0; 146; 25Eta Tau ; 2.87; 15200;occ; 104; 0;38700
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 13; 5371.3; 25-JUL-2009 17:29:44; Dark ; 50.5; 165; 34Gam Eri ; 2.95; 3200;occ; 101; 0;38700
 14; 5603.1; 25-JUL-2009 17:33:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;38700
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 16; 6530.0; 25-JUL-2009 17:49:02; Dark ; 55.5; 84; Alp Phe ; 2.40; 4500;occ; 111; 0;38700
 17; 6905.3; 25-JUL-2009 17:55:18; Dark ; 52.0; 31; Alp Gru ; 1.73; 15200;occ; 104; 0;38700

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 3; 2635.6; 25-JUL-2009 18:24:44; Bright; 48.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 96; 0;38701
 4; 2814.9; 25-JUL-2009 18:27:43; Bright; 45.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 91; 0;38701
 5; 3132.6; 25-JUL-2009 18:33:01; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;38701
 6; 3550.7; 25-JUL-2009 18:39:59; Bright; 52.0; 74; 11Bet Cas ; 2.27; 6600;occ; 104; 0;38701
 7; 3656.2; 25-JUL-2009 18:41:44; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;38701
 8; 4007.9; 25-JUL-2009 18:47:36; Bright; 43.5; 160; 23Gam Per ; 2.93; 4700;occ; 87; 0;38701
 9; 4099.5; 25-JUL-2009 18:49:08; Bright; 45.0; 35; 33Alp Per ; 1.79; 6250;occ; 90; 0;38701
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 11; 4489.0; 25-JUL-2009 18:55:37; Dark ; 48.0; 150; 44Zet Per ; 2.89; 28000;occ; 96; 0;38701
 12; 4662.8; 25-JUL-2009 18:58:31; Dark ; 49.0; 146; 25Eta Tau ; 2.87; 15200;occ; 98; 0;38701
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6; 1063.4; 26-JUL-2009 00:40:55; Dark ; 48.0; 172; Gam Gru ; 3.00; 13100;occ; 96; 0;38705
7; 2068.9; 26-JUL-2009 00:57:41; Bright; 40.0; 11; 53Alp Aql ; 0.76; 8000;occ; 80; 0;38705
8; 2632.5; 26-JUL-2009 01:07:04; Bright; 48.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 97; 0;38705
9; 2812.5; 26-JUL-2009 01:10:04; Bright; 44.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 89; 0;38705
10; 3130.4; 26-JUL-2009 01:15:22; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;38705
11; 3547.3; 26-JUL-2009 01:22:19; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;38705
12; 3653.6; 26-JUL-2009 01:24:06; Bright; 48.0; 76; 27Gam Cas ; 2.30; 30000;occ; 96; 0;38705
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4; 499.6; 26-JUL-2009 02:12:07; Dark ; 56.0; 84; Alp Phe ; 2.40; 4500;occ; 112; 0;38706
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6; 1064.0; 26-JUL-2009 02:21:32; Dark ; 46.5; 172; Gam Gru ; 3.00; 13100;occ; 93; 0;38706
7; 2068.8; 26-JUL-2009 02:38:17; Bright; 43.0; 11; 53Alp Aql ; 0.76; 8000;occ; 86; 0;38706
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9; 2811.9; 26-JUL-2009 02:50:40; Bright; 43.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 86; 0;38706
10; 3130.0; 26-JUL-2009 02:55:58; Bright; 40.5; 89; 5Alp Cep ; 2.45; 8000;occ; 81; 0;38706
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