

GOMOS Daily Report 02-JUN-2008

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	03JUN2008 08:20:31
Data source version	GOMOS/5.00
Start time of products	02-JUN-2008 (02JUN2008 00:00:00)
Stop time of products	03-JUN-2008 (03JUN2008 00:00:00)
Store outputs in DB	Yes
Nb of level 1b prods	128
Nb of prods with errors	0

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

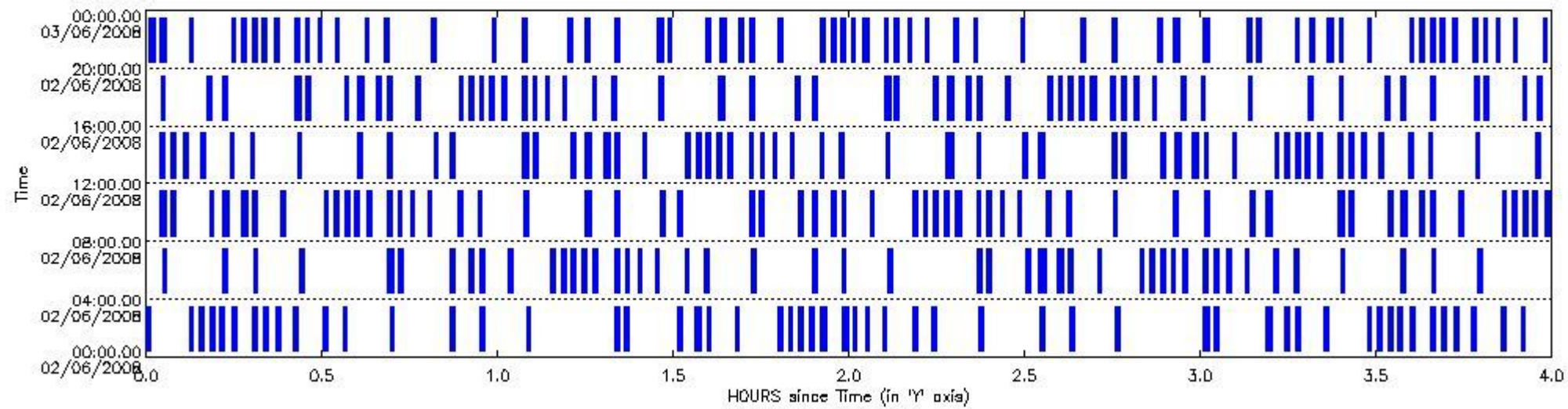
2.1 Level 0 products arrived in PCF (see template [here](#))

2.2 Plot of mission plan versus Level 0 production arrived in PCF during reporting period

Red segments are missing products.

Blue segments are available products.

Green segments are calibration measurements (not available products to users).



2.3 Summary of missing occultations (red segments in previous plot)

No missing products.

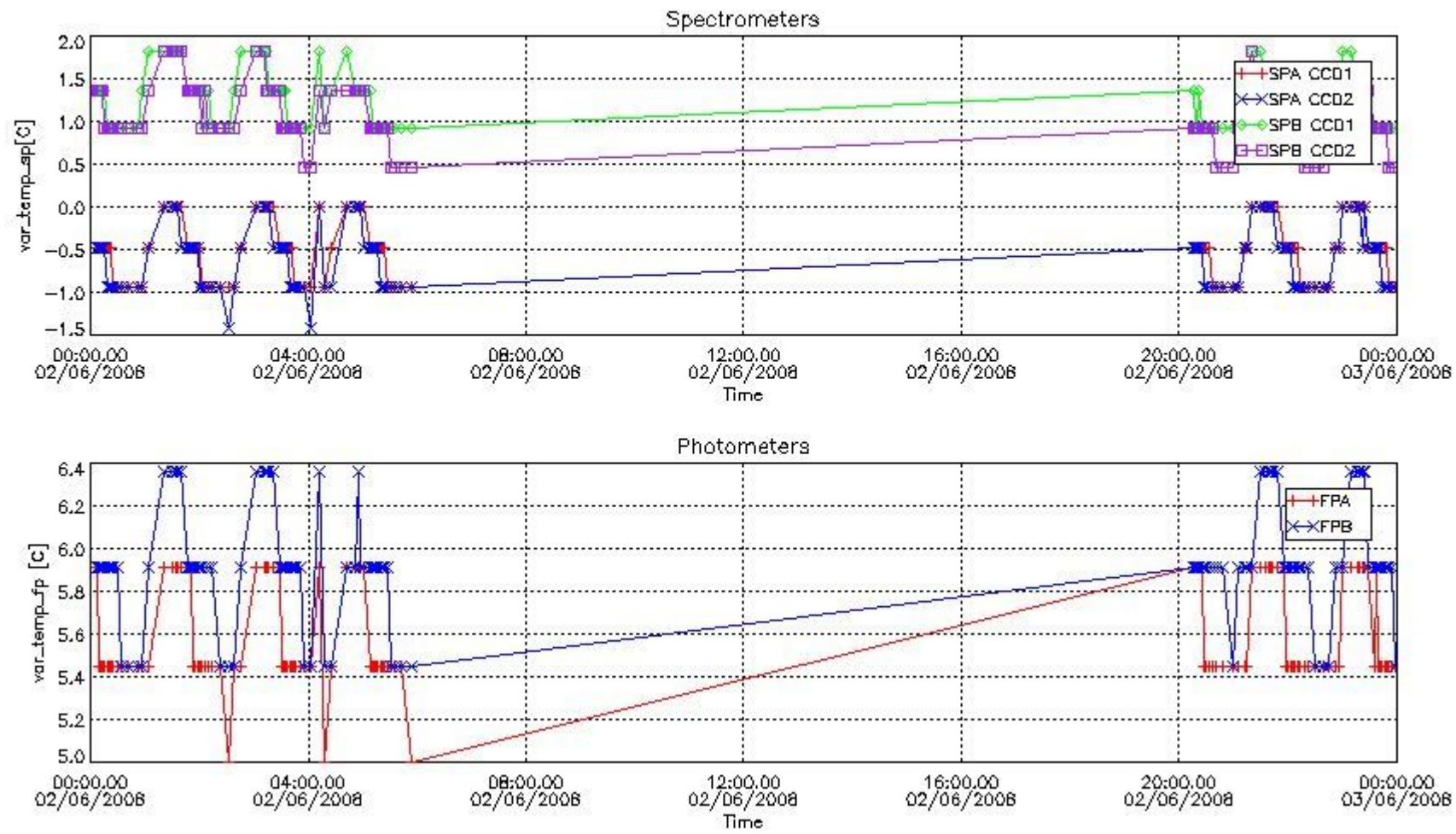
2.4 Summary of processed GOM_TRA_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20080602_000719_000000412069_00088_32707_5936.N1	02-JUN-2008 00:07:19	Straylight	40.500	147	Alp Ara	2.8770	26000.	81	32707	No
2	GOM_TRA_1PNPDE20080602_000900_000000442069_00088_32707_5937.N1	02-JUN-2008 00:09:00	Straylight	43.500	40	The Sco	1.8590	7100.0	87	32707	No
3	GOM_TRA_1PNPDE20080602_001048_000000462069_00088_32707_5938.N1	02-JUN-2008 00:10:48	Twilight_and_stray	45.500	25	35Lam Sco	1.6200	28000.	91	32707	No
4	GOM_TRA_1PNPDE20080602_001232_000000472069_00088_32707_5939.N1	02-JUN-2008 00:12:32	Twilight_and_stray	47.000	75	26Eps Sco	2.2910	4250.0	94	32707	No
5	GOM_TRA_1PNPDE20080602_001433_000000562069_00088_32707_5940.N1	02-JUN-2008 00:14:33	Bright	55.500	136	23Tau Sco	2.8220	30000.	111	32707	No
6	GOM_TRA_1PNPDE20080602_001809_000000452069_00088_32707_5941.N1	02-JUN-2008 00:18:09	Bright	45.000	86	35Eta Oph	2.4300	10200.	90	32707	No
7	GOM_TRA_1PNPDE20080602_001959_000000482069_00088_32707_5942.N1	02-JUN-2008 00:19:59	Bright	48.000	98	13Zet Oph	2.5710	30000.	96	32707	No
8	GOM_TRA_1PNPDE20080602_002210_000000392069_00088_32707_5943.N1	02-JUN-2008 00:22:10	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	32707	No
9	GOM_TRA_1PNPDE20080602_002510_000000372069_00088_32707_5944.N1	02-JUN-2008 00:25:10	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	32707	No
10	GOM_TRA_1PNPDE20080602_003012_000000442069_00088_32707_5945.N1	02-JUN-2008 00:30:12	Bright	44.000	127	27Bet Her	2.7810	4700.0	88	32707	No
11	GOM_TRA_1PNPDE20080602_003336_000000422069_00088_32707_5946.N1	02-JUN-2008 00:33:36	Bright	42.000	133	40Zet Her	2.8070	6000.0	84	32707	No
12	GOM_TRA_1PNPDE20080602_004136_000000352069_00088_32707_5947.N1	02-JUN-2008 00:41:36	Bright	35.000	119	14Eta Dra	2.7270	4700.0	70	32707	No

13	GOM_TRA_1PNPDE20080602_005154_000000462069_00088_32707_5948.N1	02-JUN-2008 00:51:54	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	32707	No
14	GOM_TRA_1PNPDE20080602_005703_000000372069_00088_32707_5949.N1	02-JUN-2008 00:57:03	Bright	37.000	76	27Gam Cas	2.3000	30000.	74	32707	No
15	GOM_TRA_1PNPDE20080602_010452_000000452069_00088_32707_5950.N1	02-JUN-2008 01:04:52	Bright	44.500	53	43Bet And	2.0480	3300.0	89	32707	No
16	GOM_TRA_1PNPDE20080602_012140_000000502069_00088_32707_6064.N1	02-JUN-2008 01:21:40	Dark	49.500	52	16Bet Cet	2.0370	4500.0	99	32707	No
17	GOM_TRA_1PNPDE20080602_013034_000000552069_00088_32707_6065.N1	02-JUN-2008 01:30:34	Dark	55.000	18	24Alp PsA	1.1660	9700.0	110	32707	No
18	GOM_TRA_1PNPDE20080602_013345_000000532069_00089_32708_6066.N1	02-JUN-2008 01:33:45	Dark	53.000	63	Bet Gru	2.1500	2800.0	106	32708	No
19	GOM_TRA_1PNPDE20080602_013540_000000452069_00089_32708_6067.N1	02-JUN-2008 01:35:40	Dark	44.500	31	Alp Gru	1.7340	15200.	89	32708	No
20	GOM_TRA_1PNPDE20080602_014033_000000422069_00089_32708_6068.N1	02-JUN-2008 01:40:33	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	32708	No
21	GOM_TRA_1PNPDE20080602_014755_000000422069_00089_32708_6069.N1	02-JUN-2008 01:47:55	Straylight	41.500	147	Alp Ara	2.8770	26000.	83	32708	No
22	GOM_TRA_1PNPDE20080602_014937_000000442069_00089_32708_6070.N1	02-JUN-2008 01:49:37	Straylight	44.000	40	The Sco	1.8590	7100.0	88	32708	No
23	GOM_TRA_1PNPDE20080602_015124_000000472069_00089_32708_6071.N1	02-JUN-2008 01:51:24	Tw_i_and_stray	46.500	25	35Lam Sco	1.6200	28000.	93	32708	No
24	GOM_TRA_1PNPDE20080602_015308_000000452069_00089_32708_6072.N1	02-JUN-2008 01:53:08	Tw_i_and_stray	45.000	75	26Eps Sco	2.2910	4250.0	90	32708	No
25	GOM_TRA_1PNPDE20080602_015509_000000522069_00089_32708_6073.N1	02-JUN-2008 01:55:09	Bright	52.000	136	23Tau Sco	2.8220	30000.	104	32708	No
26	GOM_TRA_1PNPDE20080602_015845_000000642069_00089_32708_6074.N1	02-JUN-2008 01:58:45	Bright	64.000	86	35Eta Oph	2.4300	10200.	128	32708	No
27	GOM_TRA_1PNPDE20080602_020035_000000392069_00089_32708_6075.N1	02-JUN-2008 02:00:35	Bright	39.000	98	13Zet Oph	2.5710	30000.	78	32708	No
28	GOM_TRA_1PNPDE20080602_020246_000000392069_00089_32708_6076.N1	02-JUN-2008 02:02:46	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	32708	No
29	GOM_TRA_1PNPDE20080602_020546_000000372069_00089_32708_6077.N1	02-JUN-2008 02:05:46	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	32708	No
30	GOM_TRA_1PNPDE20080602_021048_000000542069_00089_32708_6078.N1	02-JUN-2008 02:10:48	Bright	53.500	127	27Bet Her	2.7810	4700.0	107	32708	No
31	GOM_TRA_1PNPDE20080602_021411_000000422069_00089_32708_6079.N1	02-JUN-2008 02:14:11	Bright	41.500	133	40Zet Her	2.8070	6000.0	83	32708	No
32	GOM_TRA_1PNPDE20080602_022211_000000382069_00089_32708_6080.N1	02-JUN-2008 02:22:11	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	32708	No
33	GOM_TRA_1PNPDE20080602_023229_000000482069_00089_32708_6081.N1	02-JUN-2008 02:32:29	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	32708	No
34	GOM_TRA_1PNPDE20080602_023739_000000512069_00089_32708_6273.N1	02-JUN-2008 02:37:39	Bright	50.500	76	27Gam Cas	2.3000	30000.	101	32708	No
35	GOM_TRA_1PNPDE20080602_024528_000000542069_00089_32708_6274.N1	02-JUN-2008 02:45:28	Bright	53.500	53	43Bet And	2.0480	3300.0	107	32708	No
36	GOM_TRA_1PNPDE20080602_030216_000000502069_00089_32708_6275.N1	02-JUN-2008 03:02:16	Dark	50.000	52	16Bet Cet	2.0370	4500.0	100	32708	No
37	GOM_TRA_1PNPDE20080602_031111_000000552069_00089_32708_6276.N1	02-JUN-2008 03:11:11	Dark	55.000	18	24Alp PsA	1.1660	9700.0	110	32708	No
38	GOM_TRA_1PNPDE20080602_031422_000000562069_00090_32709_6277.N1	02-JUN-2008 03:14:22	Dark	56.000	63	Bet Gru	2.1500	2800.0	112	32709	No
39	GOM_TRA_1PNPDE20080602_031617_000000462069_00090_32709_6278.N1	02-JUN-2008 03:16:17	Dark	46.000	31	Alp Gru	1.7340	15200.	92	32709	No
40	GOM_TRA_1PNPDE20080602_032110_000000412069_00090_32709_6279.N1	02-JUN-2008 03:21:10	Straylight	41.000	45	Alp Pav	1.9400	26000.	82	32709	No
41	GOM_TRA_1PNPDE20080602_032831_000000402069_00090_32709_6280.N1	02-JUN-2008 03:28:31	Straylight	40.000	147	Alp Ara	2.8770	26000.	80	32709	No
42	GOM_TRA_1PNPDE20080602_033013_000000412069_00090_32709_6281.N1	02-JUN-2008 03:30:13	Straylight	40.500	40	The Sco	1.8590	7100.0	81	32709	No
43	GOM_TRA_1PNPDE20080602_033200_000000492069_00090_32709_6282.N1	02-JUN-2008 03:32:00	Tw_i_and_stray	48.500	25	35Lam Sco	1.6200	28000.	97	32709	No
44	GOM_TRA_1PNPDE20080602_033345_000000462069_00090_32709_6283.N1	02-JUN-2008 03:33:45	Tw_i_and_stray	45.500	75	26Eps Sco	2.2910	4250.0	91	32709	No
45	GOM_TRA_1PNPDE20080602_033545_000000472069_00090_32709_6284.N1	02-JUN-2008 03:35:45	Bright	46.500	136	23Tau Sco	2.8220	30000.	93	32709	No
46	GOM_TRA_1PNPDE20080602_033921_000000442069_00090_32709_6285.N1	02-JUN-2008 03:39:21	Bright	44.000	86	35Eta Oph	2.4300	10200.	88	32709	No
47	GOM_TRA_1PNPDE20080602_034111_000000402069_00090_32709_6286.N1	02-JUN-2008 03:41:11	Bright	40.000	98	13Zet Oph	2.5710	30000.	80	32709	No
48	GOM_TRA_1PNPDE20080602_034322_000000392069_00090_32709_6287.N1	02-JUN-2008 03:43:22	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	32709	No
49	GOM_TRA_1PNPDE20080602_034622_000000362069_00090_32709_6288.N1	02-JUN-2008 03:46:22	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	32709	No
50	GOM_TRA_1PNPDE20080602_035123_000000432069_00090_32709_6289.N1	02-JUN-2008 03:51:23	Bright	43.000	127	27Bet Her	2.7810	4700.0	86	32709	No
51	GOM_TRA_1PNPDE20080602_035447_000000432069_00090_32709_6290.N1	02-JUN-2008 03:54:47	Bright	43.000	133	40Zet Her	2.8070	6000.0	86	32709	No
52	GOM_TRA_1PNPDE20080602_040247_000000372069_00090_32709_6291.N1	02-JUN-2008 04:02:47	Bright	37.000	119	14Eta Dra	2.7270	4700.0	74	32709	No
53	GOM_TRA_1PNPDE20080602_041305_000000462069_00090_32709_6448.N1	02-JUN-2008 04:13:05	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	32709	No
54	GOM_TRA_1PNPDE20080602_041815_000000362069_00090_32709_6449.N1	02-JUN-2008 04:18:15	Bright	35.500	76	27Gam Cas	2.3000	30000.	71	32709	No
55	GOM_TRA_1PNPDE20080602_042604_000000562069_00090_32709_6450.N1	02-JUN-2008 04:26:04	Bright	55.500	53	43Bet And	2.0480	3300.0	111	32709	No
56	GOM_TRA_1PNPDE20080602_044253_000000572069_00090_32709_6451.N1	02-JUN-2008 04:42:53	Dark	57.000	52	16Bet Cet	2.0370	4500.0	114	32709	No
57	GOM_TRA_1PNPDE20080602_045149_000000522069_00090_32709_6452.N1	02-JUN-2008 04:51:49	Dark	52.000	18	24Alp PsA	1.1660	9700.0	104	32709	No
58	GOM_TRA_1PNPDE20080602_045459_000000622069_00091_32710_6453.N1	02-JUN-2008 04:54:59	Dark	61.500	63	Bet Gru	2.1500	2800.0	123	32710	No
59	GOM_TRA_1PNPDE20080602_045653_000000462069_00091_32710_6454.N1	02-JUN-2008 04:56:53	Dark	45.500	31	Alp Gru	1.7340	15200.	91	32710	No
60	GOM_TRA_1PNPDE20080602_050147_000000432069_00091_32710_6455.N1	02-JUN-2008 05:01:47	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	32710	No
61	GOM_TRA_1PNPDE20080602_050908_000000402069_00091_32710_6456.N1	02-JUN-2008 05:09:08	Straylight	39.500	147	Alp Ara	2.8770	26000.	79	32710	No
62	GOM_TRA_1PNPDE20080602_051050_000000452069_00091_32710_6457.N1	02-JUN-2008 05:10:50	Straylight	45.000	40	The Sco	1.8590	7100.0	90	32710	No
63	GOM_TRA_1PNPDE20080602_051237_000000472069_00091_32710_6458.N1	02-JUN-2008 05:12:37	Tw_i_and_stray	47.000	25	35Lam Sco	1.6200	28000.	94	32710	No
64	GOM_TRA_1PNPDE20080602_051421_000000452069_00091_32710_6459.N1	02-JUN-2008 05:14:21	Tw_i_and_stray	44.500	75	26Eps Sco	2.2910	4250.0	89	32710	No
65	GOM_TRA_1PNPDE20080602_051622_000000492069_00091_32710_6460.N1	02-JUN-2008 05:16:22	Bright	48.500	136	23Tau Sco	2.8220	30000.	97	32710	No
66	GOM_TRA_1PNPDE20080602_051957_000000452069_00091_32710_6461.N1	02-JUN-2008 05:19:57	Bright	44.500	86	35Eta Oph	2.4300	10200.	89	32710	No
67	GOM_TRA_1PNPDE20080602_052147_000000412069_00091_32710_6462.N1	02-JUN-2008 05:21:47	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	32710	No
68	GOM_TRA_1PNPDE20080602_052358_000000392069_00091_32710_6463.N1	02-JUN-2008 05:23:58	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	32710	No
69	GOM_TRA_1PNPDE20080602_052658_000000362069_00091_32710_6464.N1	02-JUN-2008 05:26:58	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	32710	No
70	GOM_TRA_1PNPDE20080602_053159_000000422069_00091_32710_6465.N1	02-JUN-2008 05:31:59	Bright	41.500	127	27Bet Her	2.7810	4700.0	83	32710	No
71	GOM_TRA_1PNPDE20080602_053522_000000422069_00091_32710_6466.N1	02-JUN-2008 05:35:22	Bright	41.500	133	40Zet Her	2.8070	6000.0	83	32710	No

72	GOM_TRA_1PNPDE20080602_054323_000000402069_00091_32710_6467.N1	02-JUN-2008 05:43:23	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	32710	No
73	GOM_TRA_1PNPDE20080602_055340_000000472069_00091_32710_6468.N1	02-JUN-2008 05:53:40	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	32710	No
74	GOM_TRA_1PNPDE20080602_201617_000000472069_00100_32719_6907.N1	02-JUN-2008 20:16:17	Straylight	47.000	40	The Sco	1.8590	7100.0	94	32719	No
75	GOM_TRA_1PNPDE20080602_201804_000000482069_00100_32719_6908.N1	02-JUN-2008 20:18:04	Twilight_and_stray	48.000	25	35Lam Sco	1.6200	28000.	96	32719	No
76	GOM_TRA_1PNPDE20080602_201947_000000442069_00100_32719_6909.N1	02-JUN-2008 20:19:47	Twilight_and_stray	44.000	75	26Eps Sco	2.2910	4250.0	88	32719	No
77	GOM_TRA_1PNPDE20080602_202147_000000472069_00100_32719_6910.N1	02-JUN-2008 20:21:47	Bright	46.500	136	23Tau Sco	2.8220	30000.	93	32719	No
78	GOM_TRA_1PNPDE20080602_202521_000000452069_00100_32719_6911.N1	02-JUN-2008 20:25:21	Bright	44.500	86	35Eta Oph	2.4300	10200.	89	32719	No
79	GOM_TRA_1PNPDE20080602_202711_000000392069_00100_32719_6912.N1	02-JUN-2008 20:27:11	Bright	39.000	98	13Zet Oph	2.5710	30000.	78	32719	No
80	GOM_TRA_1PNPDE20080602_202921_000000392069_00100_32719_6913.N1	02-JUN-2008 20:29:21	Bright	38.500	120	1Del Oph	2.7340	3200.0	77	32719	No
81	GOM_TRA_1PNPDE20080602_203222_000000372069_00100_32719_6914.N1	02-JUN-2008 20:32:22	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	32719	No
82	GOM_TRA_1PNPDE20080602_203720_000000432069_00100_32719_6915.N1	02-JUN-2008 20:37:20	Bright	43.000	127	27Bet Her	2.7810	4700.0	86	32719	No
83	GOM_TRA_1PNPDE20080602_204042_000000422069_00100_32719_6916.N1	02-JUN-2008 20:40:42	Bright	42.000	133	40Zet Her	2.8070	6000.0	84	32719	No
84	GOM_TRA_1PNPDE20080602_204844_000000392069_00100_32719_6917.N1	02-JUN-2008 20:48:44	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	32719	No
85	GOM_TRA_1PNPDE20080602_205858_000000462069_00100_32719_6918.N1	02-JUN-2008 20:58:58	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	32719	No
86	GOM_TRA_1PNPDE20080602_210413_000000532069_00100_32719_6919.N1	02-JUN-2008 21:04:13	Bright	53.000	76	27Gam Cas	2.3000	30000.	106	32719	No
87	GOM_TRA_1PNPDE20080602_211204_000000442069_00100_32719_6920.N1	02-JUN-2008 21:12:04	Bright	44.000	53	43Bet And	2.0480	3300.0	88	32719	No
88	GOM_TRA_1PNPDE20080602_211450_000000592069_00100_32719_6921.N1	02-JUN-2008 21:14:50	Twilight_and_stray	58.500	58	21Alp And	2.0730	11000.	117	32719	No
89	GOM_TRA_1PNPDE20080602_211956_000000522069_00100_32719_6922.N1	02-JUN-2008 21:19:56	Dark	51.500	140	88Gam Peg	2.8340	26000.	103	32719	No
90	GOM_TRA_1PNPDE20080602_212859_000000452069_00100_32719_7032.N1	02-JUN-2008 21:28:59	Dark	44.500	52	16Bet Cet	2.0370	4500.0	89	32719	No
91	GOM_TRA_1PNPDE20080602_213539_000000462069_00100_32719_7033.N1	02-JUN-2008 21:35:39	Dark	46.000	84	Alp Phe	2.3970	4500.0	92	32719	No
92	GOM_TRA_1PNPDE20080602_213801_000000562069_00100_32719_7034.N1	02-JUN-2008 21:38:01	Dark	55.500	18	24Alp PsA	1.1660	9700.0	111	32719	No
93	GOM_TRA_1PNPDE20080602_214107_000000562069_00101_32720_7035.N1	02-JUN-2008 21:41:07	Dark	56.000	63	Bet Gru	2.1500	2800.0	112	32720	No
94	GOM_TRA_1PNPDE20080602_214302_000000452069_00101_32720_7036.N1	02-JUN-2008 21:43:02	Dark	45.000	31	Alp Gru	1.7340	15200.	90	32720	No
95	GOM_TRA_1PNPDE20080602_214753_000000452069_00101_32720_7037.N1	02-JUN-2008 21:47:53	Straylight	45.000	45	Alp Pav	1.9400	26000.	90	32720	No
96	GOM_TRA_1PNPDE20080602_215511_000000392069_00101_32720_7038.N1	02-JUN-2008 21:55:11	Straylight	38.500	147	Alp Ara	2.8770	26000.	77	32720	No
97	GOM_TRA_1PNPDE20080602_215653_000000472069_00101_32720_7039.N1	02-JUN-2008 21:56:53	Straylight	47.000	40	The Sco	1.8590	7100.0	94	32720	No
98	GOM_TRA_1PNPDE20080602_215840_000000462069_00101_32720_7040.N1	02-JUN-2008 21:58:40	Twilight_and_stray	46.000	25	35Lam Sco	1.6200	28000.	92	32720	No
99	GOM_TRA_1PNPDE20080602_220023_000000442069_00101_32720_7041.N1	02-JUN-2008 22:00:23	Twilight_and_stray	43.500	75	26Eps Sco	2.2910	4250.0	87	32720	No
100	GOM_TRA_1PNPDE20080602_220224_000000562069_00101_32720_7042.N1	02-JUN-2008 22:02:24	Bright	56.000	136	23Tau Sco	2.8220	30000.	112	32720	No
101	GOM_TRA_1PNPDE20080602_220557_000000442069_00101_32720_7043.N1	02-JUN-2008 22:05:57	Bright	43.500	86	35Eta Oph	2.4300	10200.	87	32720	No
102	GOM_TRA_1PNPDE20080602_220747_000000402069_00101_32720_7044.N1	02-JUN-2008 22:07:47	Bright	40.000	98	13Zet Oph	2.5710	30000.	80	32720	No
103	GOM_TRA_1PNPDE20080602_220957_000000382069_00101_32720_7045.N1	02-JUN-2008 22:09:57	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	32720	No
104	GOM_TRA_1PNPDE20080602_221258_000000362069_00101_32720_7046.N1	02-JUN-2008 22:12:58	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	32720	No
105	GOM_TRA_1PNPDE20080602_221755_000000412069_00101_32720_7047.N1	02-JUN-2008 22:17:55	Bright	41.000	127	27Bet Her	2.7810	4700.0	82	32720	No
106	GOM_TRA_1PNPDE20080602_222117_000000432069_00101_32720_7048.N1	02-JUN-2008 22:21:17	Bright	42.500	133	40Zet Her	2.8070	6000.0	85	32720	No
107	GOM_TRA_1PNPDE20080602_222919_000000392069_00101_32720_7049.N1	02-JUN-2008 22:29:19	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	32720	No
108	GOM_TRA_1PNPDE20080602_223933_000000452069_00101_32720_7050.N1	02-JUN-2008 22:39:33	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	32720	No
109	GOM_TRA_1PNPDE20080602_224449_000000562069_00101_32720_7051.N1	02-JUN-2008 22:44:49	Bright	56.000	76	27Gam Cas	2.3000	30000.	112	32720	No
110	GOM_TRA_1PNPDE20080602_225240_000000432069_00101_32720_7052.N1	02-JUN-2008 22:52:40	Bright	42.500	53	43Bet And	2.0480	3300.0	85	32720	No
111	GOM_TRA_1PNPDE20080602_225526_000000562069_00101_32720_7053.N1	02-JUN-2008 22:55:26	Twilight_and_stray	56.000	58	21Alp And	2.0730	11000.	112	32720	No
112	GOM_TRA_1PNPDE20080602_230033_000000532069_00101_32720_7054.N1	02-JUN-2008 23:00:33	Dark	52.500	140	88Gam Peg	2.8340	26000.	105	32720	No
113	GOM_TRA_1PNPDE20080602_230936_000000472069_00101_32720_7196.N1	02-JUN-2008 23:09:36	Dark	47.000	52	16Bet Cet	2.0370	4500.0	94	32720	No
114	GOM_TRA_1PNPDE20080602_231615_000000402069_00101_32720_7197.N1	02-JUN-2008 23:16:15	Dark	40.000	84	Alp Phe	2.3970	4500.0	80	32720	No
115	GOM_TRA_1PNPDE20080602_231838_000000562069_00101_32720_7198.N1	02-JUN-2008 23:18:38	Dark	56.000	18	24Alp PsA	1.1660	9700.0	112	32720	No
116	GOM_TRA_1PNPDE20080602_232144_000000612069_00102_32721_7199.N1	02-JUN-2008 23:21:44	Dark	61.000	63	Bet Gru	2.1500	2800.0	122	32721	No
117	GOM_TRA_1PNPDE20080602_232339_000000462069_00102_32721_7200.N1	02-JUN-2008 23:23:39	Dark	45.500	31	Alp Gru	1.7340	15200.	91	32721	No
118	GOM_TRA_1PNPDE20080602_232829_000000412069_00102_32721_7201.N1	02-JUN-2008 23:28:29	Straylight	41.000	45	Alp Pav	1.9400	26000.	82	32721	No
119	GOM_TRA_1PNPDE20080602_233547_000000392069_00102_32721_7202.N1	02-JUN-2008 23:35:47	Straylight	39.000	147	Alp Ara	2.8770	26000.	78	32721	No
120	GOM_TRA_1PNPDE20080602_233729_000000462069_00102_32721_7203.N1	02-JUN-2008 23:37:29	Straylight	46.000	40	The Sco	1.8590	7100.0	92	32721	No
121	GOM_TRA_1PNPDE20080602_233916_000000452069_00102_32721_7204.N1	02-JUN-2008 23:39:16	Twilight_and_stray	44.500	25	35Lam Sco	1.6200	28000.	89	32721	No
122	GOM_TRA_1PNPDE20080602_234059_000000432069_00102_32721_7205.N1	02-JUN-2008 23:40:59	Twilight_and_stray	42.500	75	26Eps Sco	2.2910	4250.0	85	32721	No
123	GOM_TRA_1PNPDE20080602_234300_000000452069_00102_32721_7206.N1	02-JUN-2008 23:43:00	Bright	45.000	136	23Tau Sco	2.8220	30000.	90	32721	No
124	GOM_TRA_1PNPDE20080602_234633_000000442069_00102_32721_7207.N1	02-JUN-2008 23:46:33	Bright	43.500	86	35Eta Oph	2.4300	10200.	87	32721	No
125	GOM_TRA_1PNPDE20080602_234823_000000412069_00102_32721_7208.N1	02-JUN-2008 23:48:23	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	32721	No
126	GOM_TRA_1PNPDE20080602_235033_000000392069_00102_32721_7209.N1	02-JUN-2008 23:50:33	Bright	38.500	120	1Del Oph	2.7340	3200.0	77	32721	No
127	GOM_TRA_1PNPDE20080602_235333_000000362069_00102_32721_7210.N1	02-JUN-2008 23:53:33	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	32721	No
128	GOM_TRA_1PNPDE20080602_235831_000000422069_00102_32721_7211.N1	02-JUN-2008 23:58:31	Bright	42.000	127	27Bet Her	2.7810	4700.0	84	32721	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).

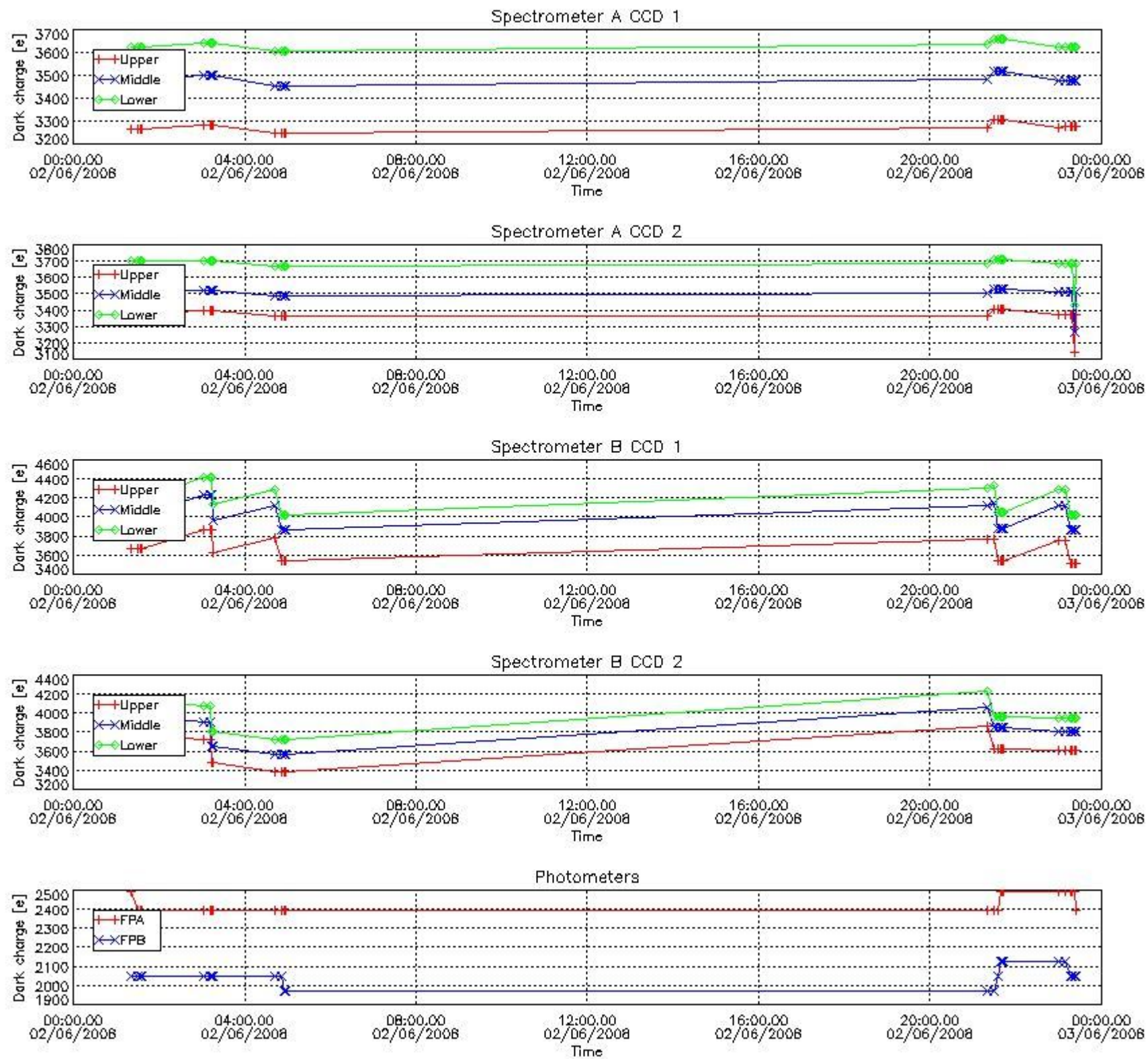
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20080602_201617_000000472069_00100_32719_6907.N1	DC map used
GOM_TRA_1PNPDE20080602_201804_000000482069_00100_32719_6908.N1	DC map used
GOM_TRA_1PNPDE20080602_201947_000000442069_00100_32719_6909.N1	DC map used
GOM_TRA_1PNPDE20080602_202147_000000472069_00100_32719_6910.N1	DC map used
GOM_TRA_1PNPDE20080602_202521_000000452069_00100_32719_6911.N1	DC map used
GOM_TRA_1PNPDE20080602_202711_000000392069_00100_32719_6912.N1	DC map used
GOM_TRA_1PNPDE20080602_202921_000000392069_00100_32719_6913.N1	DC map used
GOM_TRA_1PNPDE20080602_203222_000000372069_00100_32719_6914.N1	DC map used
GOM_TRA_1PNPDE20080602_203720_000000432069_00100_32719_6915.N1	DC map used
GOM_TRA_1PNPDE20080602_204042_000000422069_00100_32719_6916.N1	DC map used
GOM_TRA_1PNPDE20080602_204844_000000392069_00100_32719_6917.N1	DC map used
GOM_TRA_1PNPDE20080602_205858_000000462069_00100_32719_6918.N1	DC map used

GOM_TRA_1PNPDE20080602_210413_000000532069_00100_32719_6919.N1	DC map used
GOM_TRA_1PNPDE20080602_211204_000000442069_00100_32719_6920.N1	DC map used
GOM_TRA_1PNPDE20080602_211450_000000592069_00100_32719_6921.N1	DC map used
GOM_TRA_1PNPDE20080602_211956_000000522069_00100_32719_6922.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

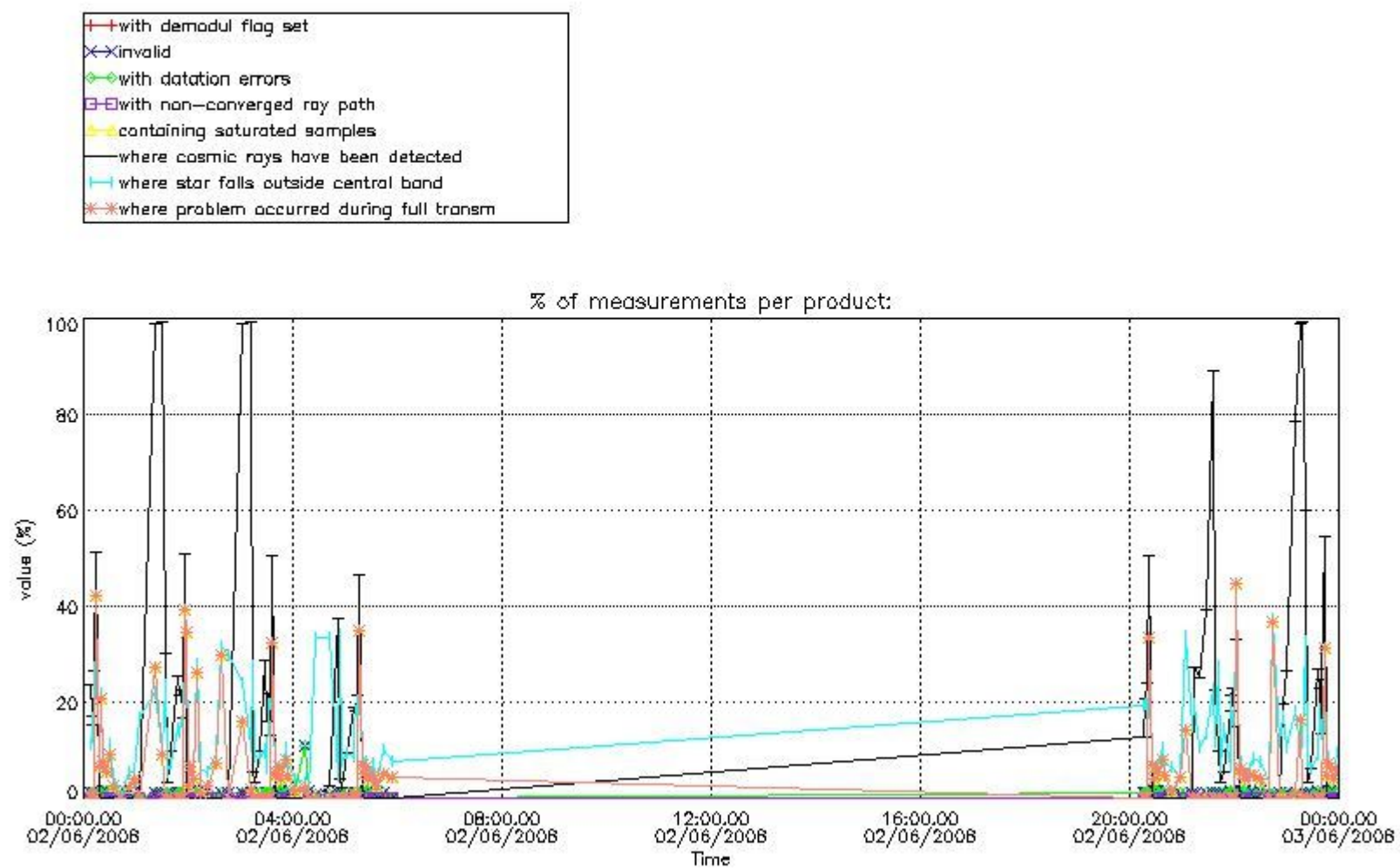
In this section it is presented the modulation information extracted from the pcd (product confidence data)

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.

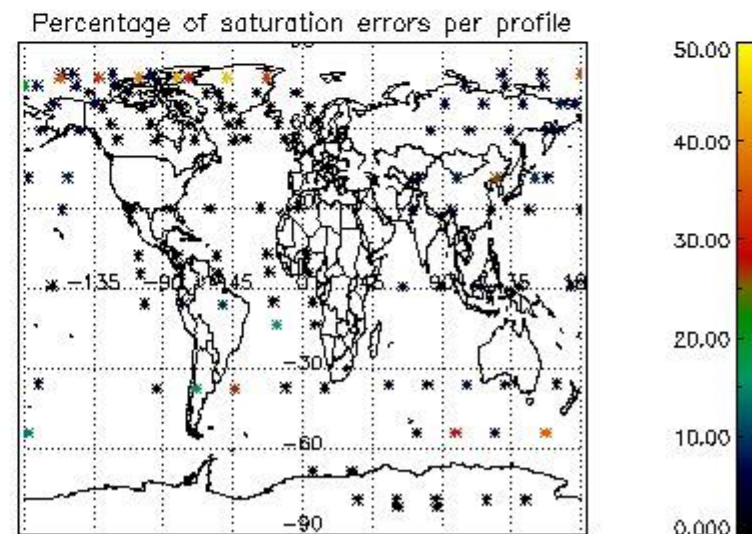
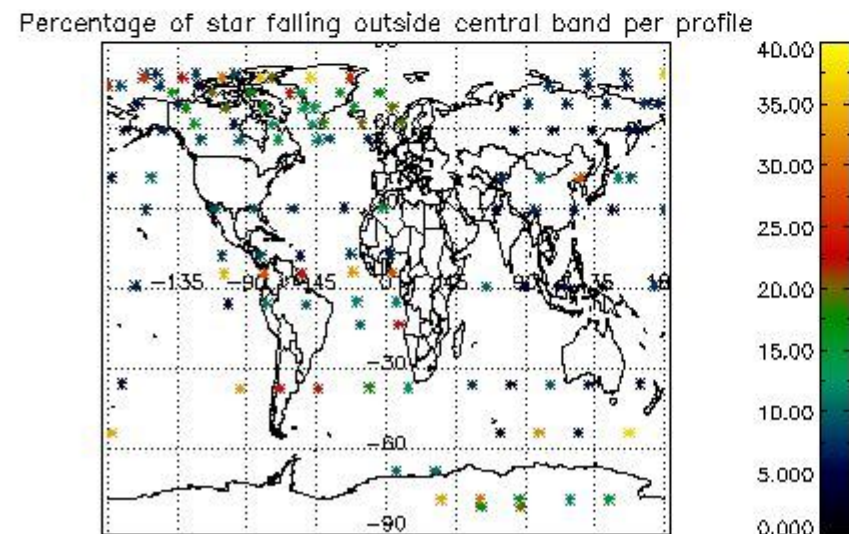
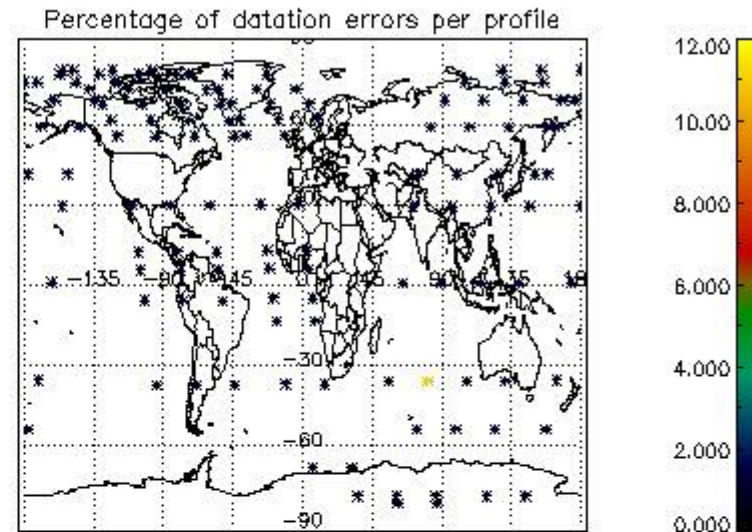
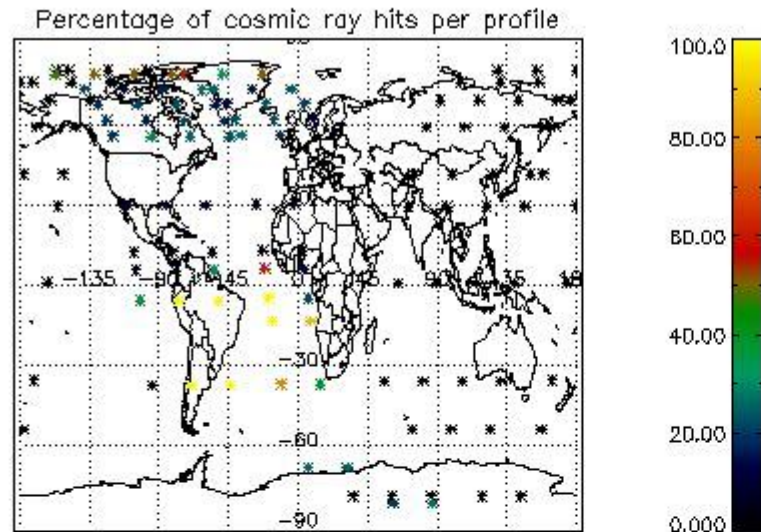
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	22.6562 %
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)



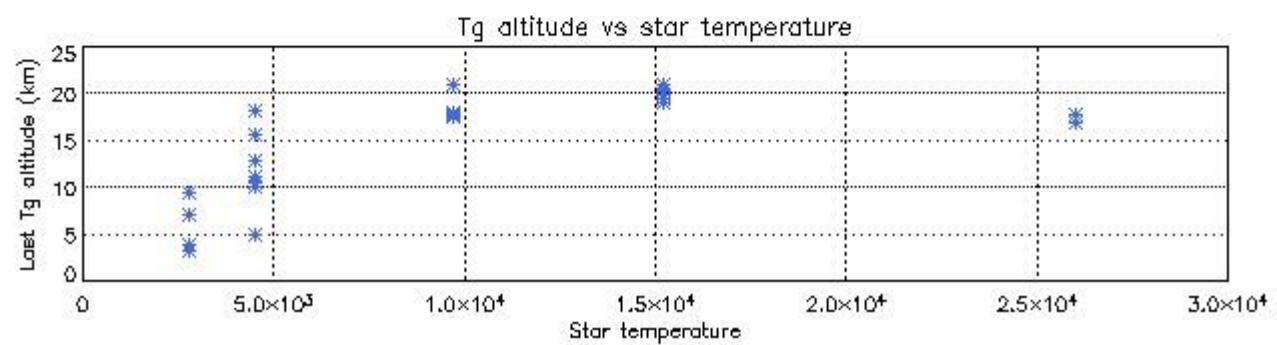
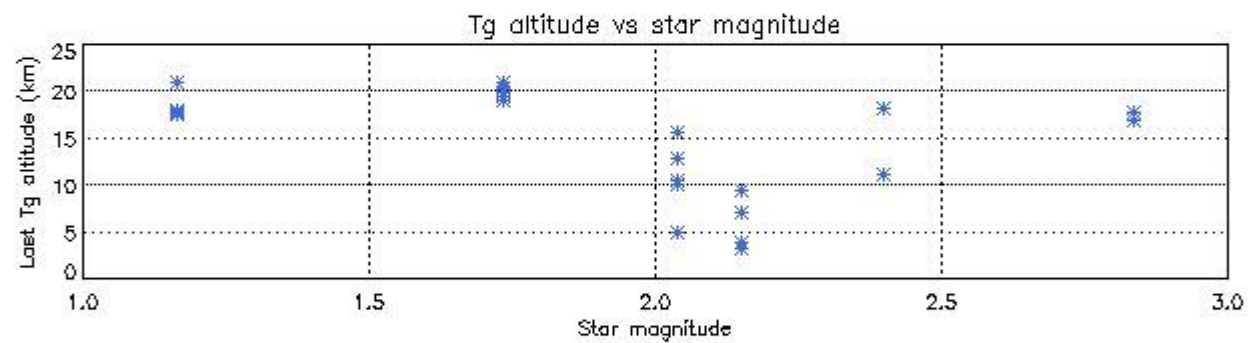
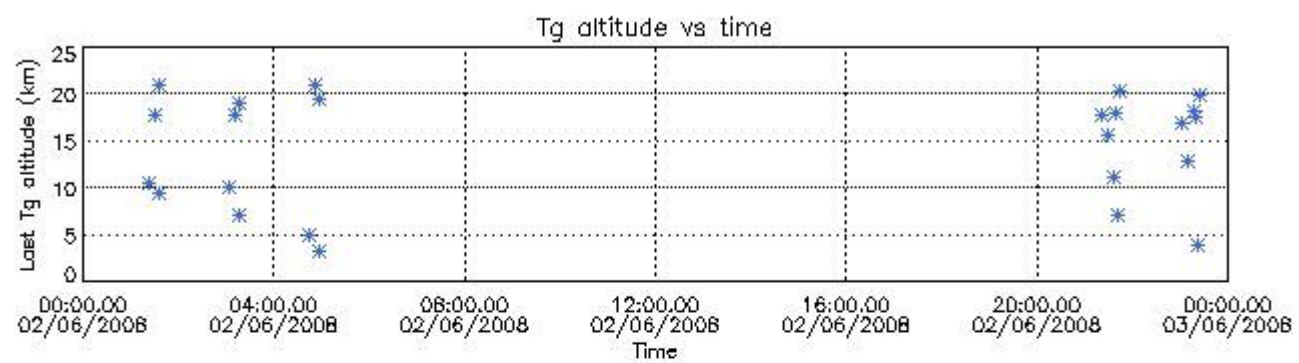
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.167	17.799	NaN
St. deviation:	5.8362	6.0369	NaN
Maximum:	20.921	27.672	NaN
Minimum:	3.1784	3.4976	NaN
Number of data:	24.000	70.000	NaN

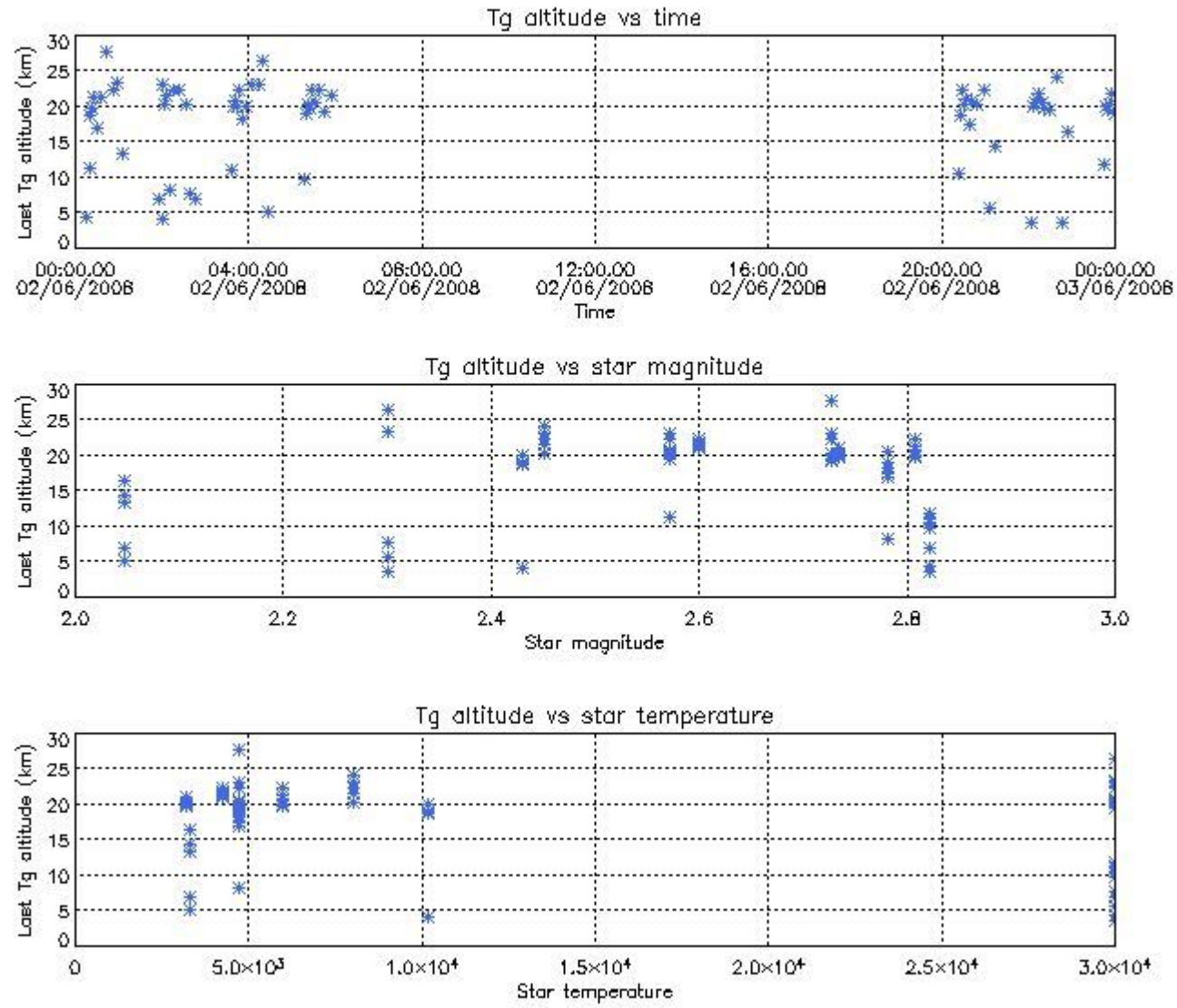
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

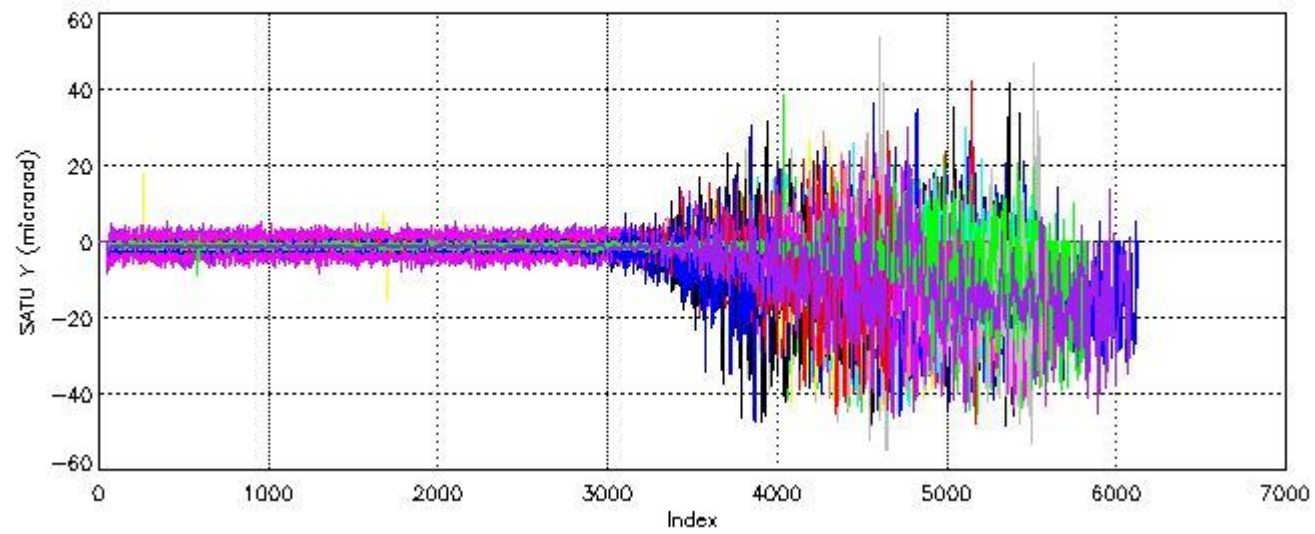
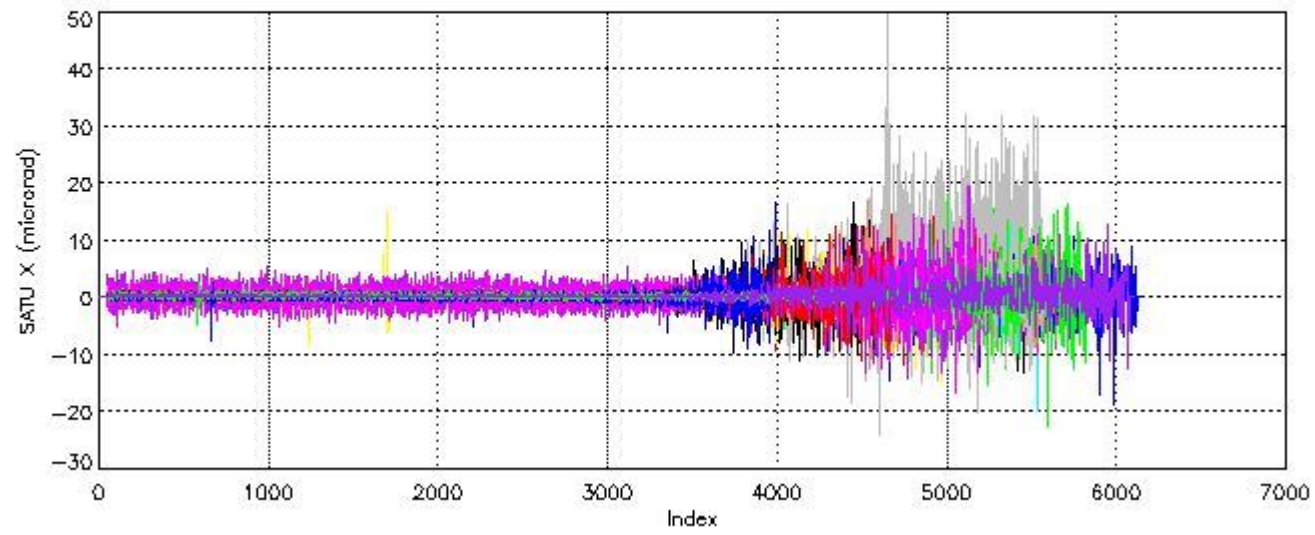


7. Star Acquisition and Tracking Unit (SATU)

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:	0.26908	-1.1810	0.28014	-1.2381
St. deviation:	0.43964	0.85961	0.84049	1.3366
Maximum:	5.3000	18.000	5.5000	5.3000
Minimum:	-7.6000	-9.0000	-4.9000	-8.5000

Number of data:	26500.	26500.	64550.	64550.
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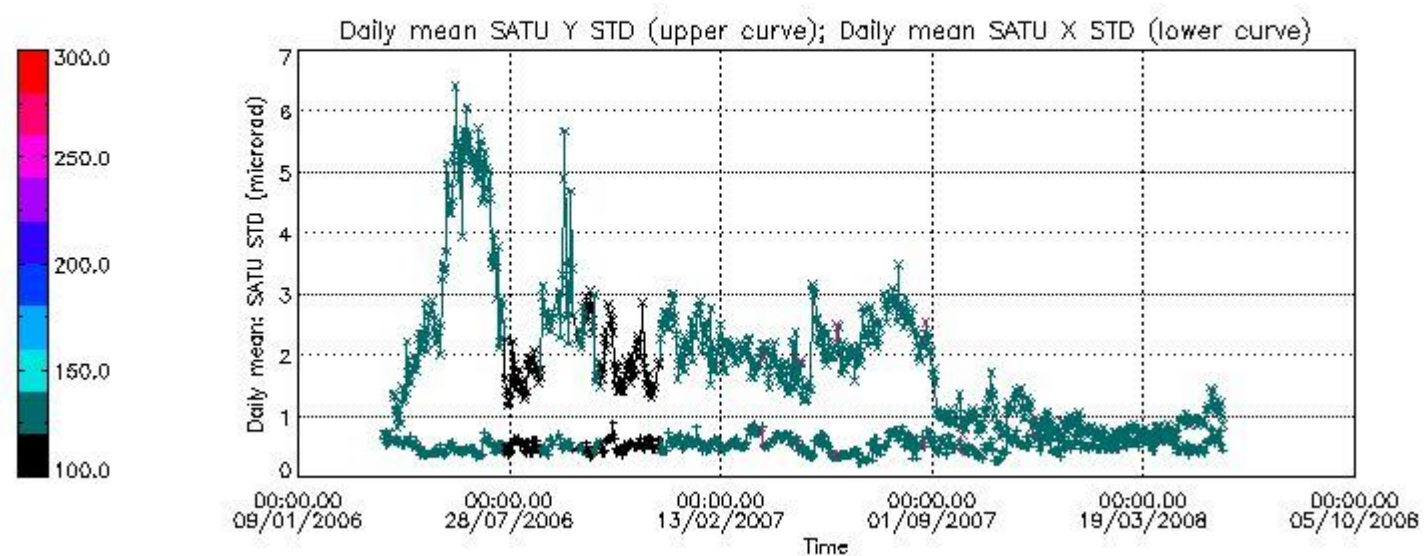
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

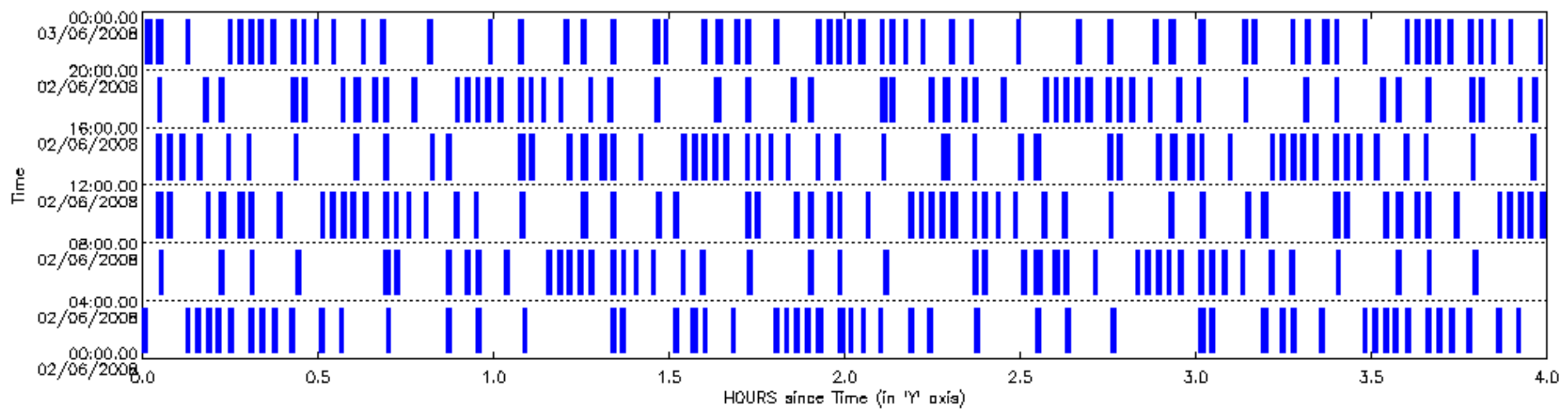
Lower curve: STD of SATU X axis

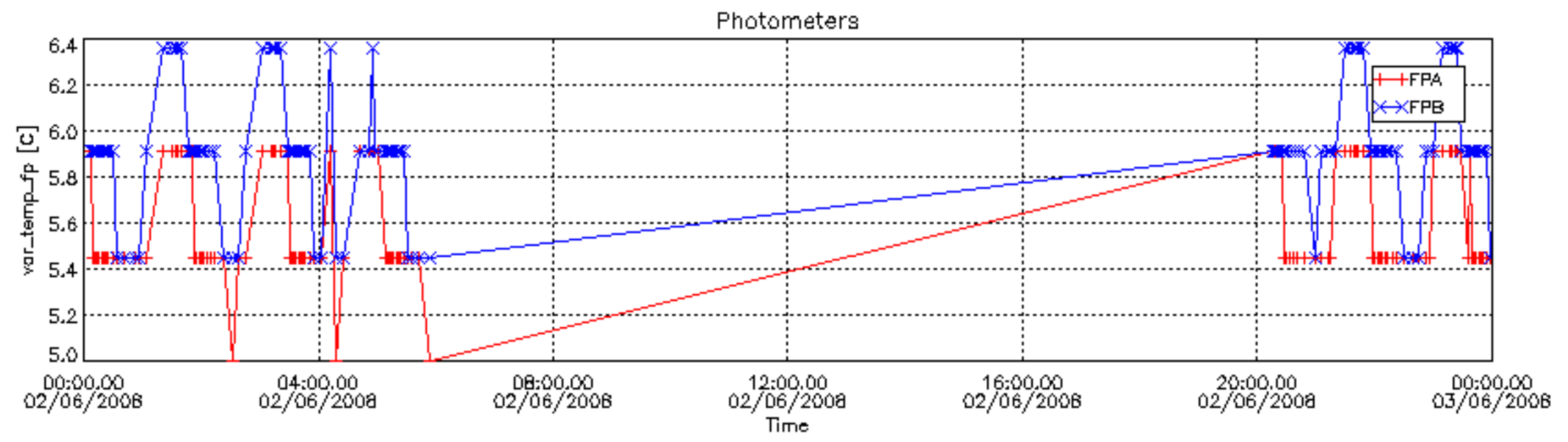
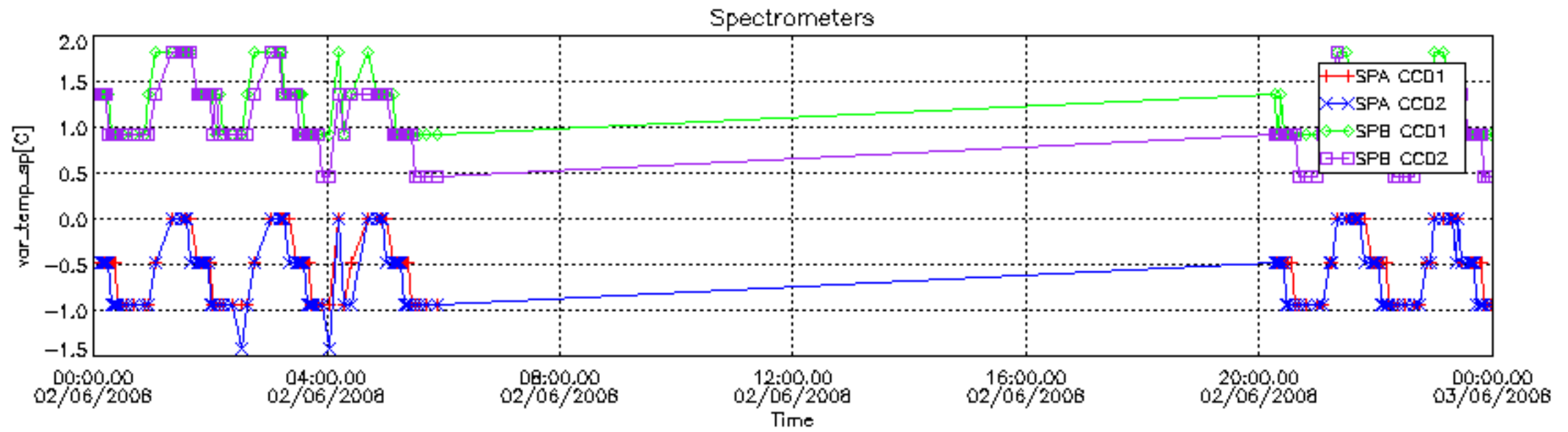


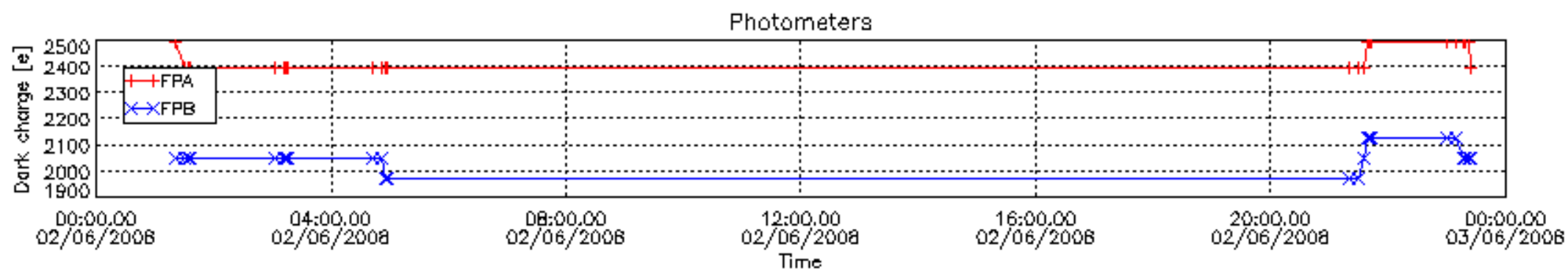
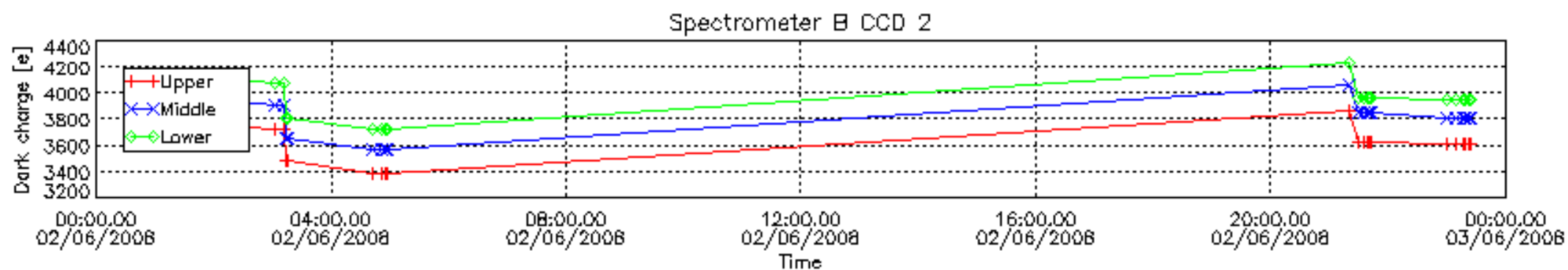
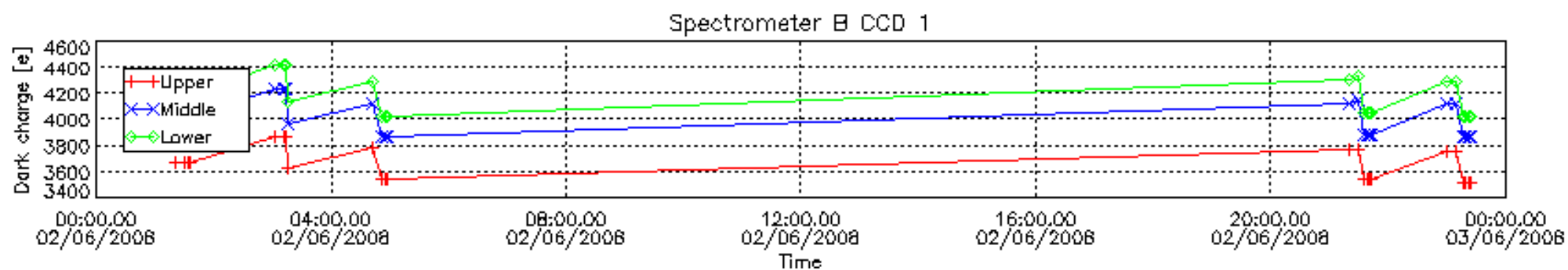
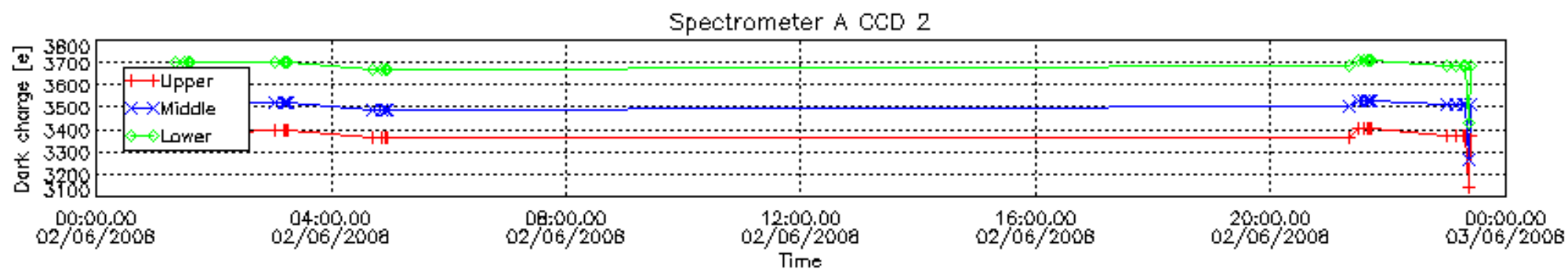
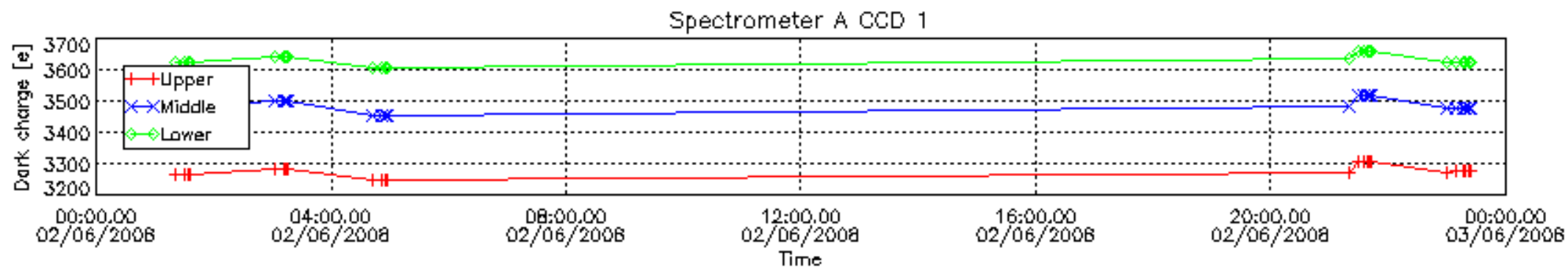
8. Auxiliary Data Files used for the production reported in section 2.4

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.

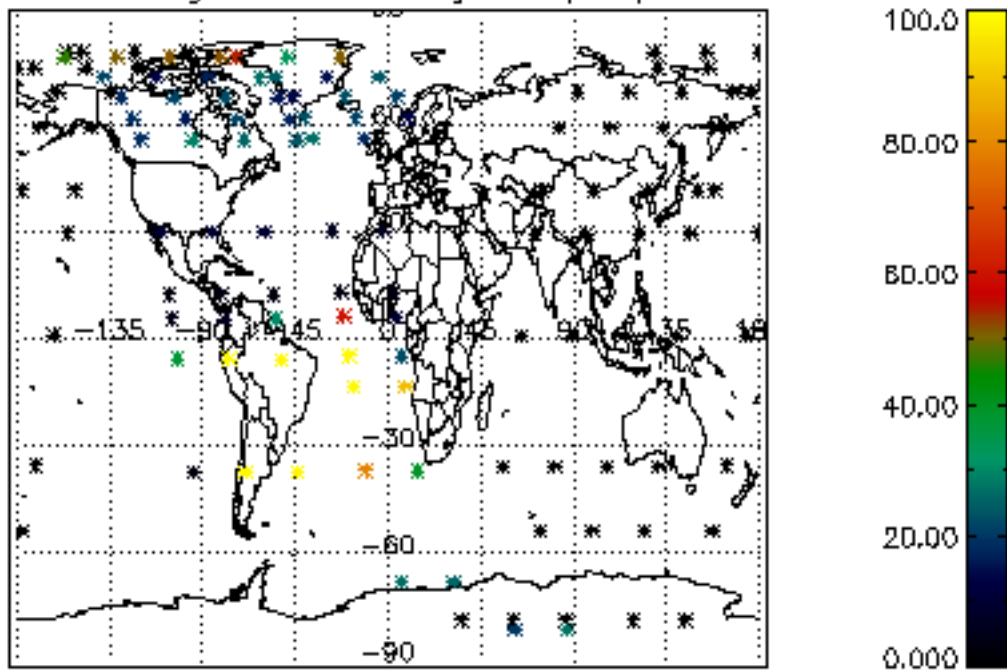
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	02-JUN-2008 00:07:19
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20080530_132758_20080528_000000_20100101_000000	1	02-JUN-2008 00:07:19
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	02-JUN-2008 00:07:19
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	02-JUN-2008 00:07:19
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	02-JUN-2008 00:07:19
ECMWF_FILE	AUX_ECF_AXNECM20080601_072112_20080601_210000_20080602_090000	1	02-JUN-2008 00:07:19
ECMWF_FILE	AUX_ECF_AXNECM20080601_192113_20080602_030000_20080602_150000	53	02-JUN-2008 04:13:05
ECMWF_FILE	AUX_ECF_AXNECM20080602_072113_20080602_150000_20080603_030000	74	02-JUN-2008 20:16:17
ECMWF_FILE	AUX_ECF_AXNECM20080602_072114_20080602_210000_20080603_090000	90	02-JUN-2008 21:28:59
OPTIONAL_ECMWF_FILE	MISSING	1	02-JUN-2008 00:07:19
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080601_215725_000057382069_00086_32705_5651.N1	1	02-JUN-2008 00:07:19
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080601_233822_000054192069_00087_32706_5652.N1	16	02-JUN-2008 01:21:40
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080602_011400_000044632069_00088_32707_5653.N1	34	02-JUN-2008 02:37:39
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080602_023342_000054192069_00089_32708_5654.N1	53	02-JUN-2008 04:13:05
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20080602_010112_20080601_184948_20080611_201602	74	02-JUN-2008 20:16:17
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080602_201101_000041442069_00100_32719_5656.N1	90	02-JUN-2008 21:28:59
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080602_212006_000060572069_00100_32719_5657.N1	113	02-JUN-2008 23:09:36



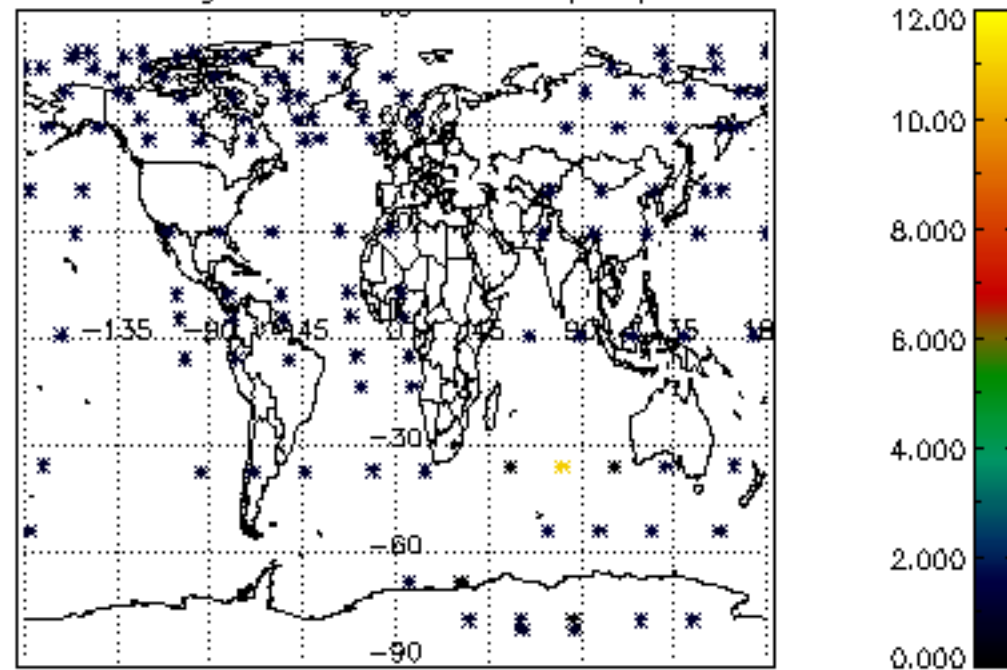




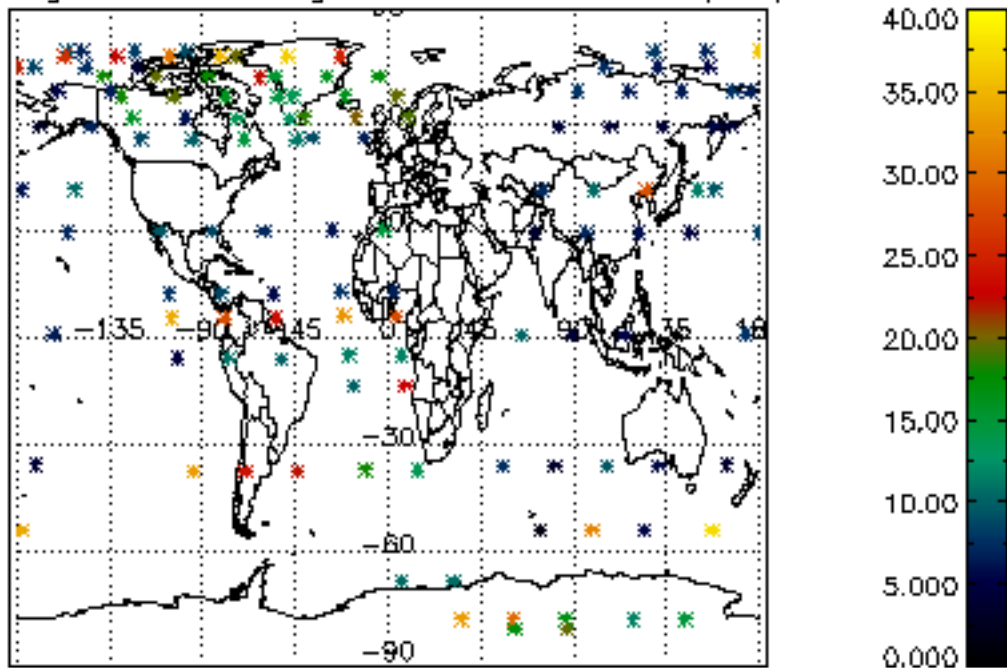
Percentage of cosmic ray hits per profile



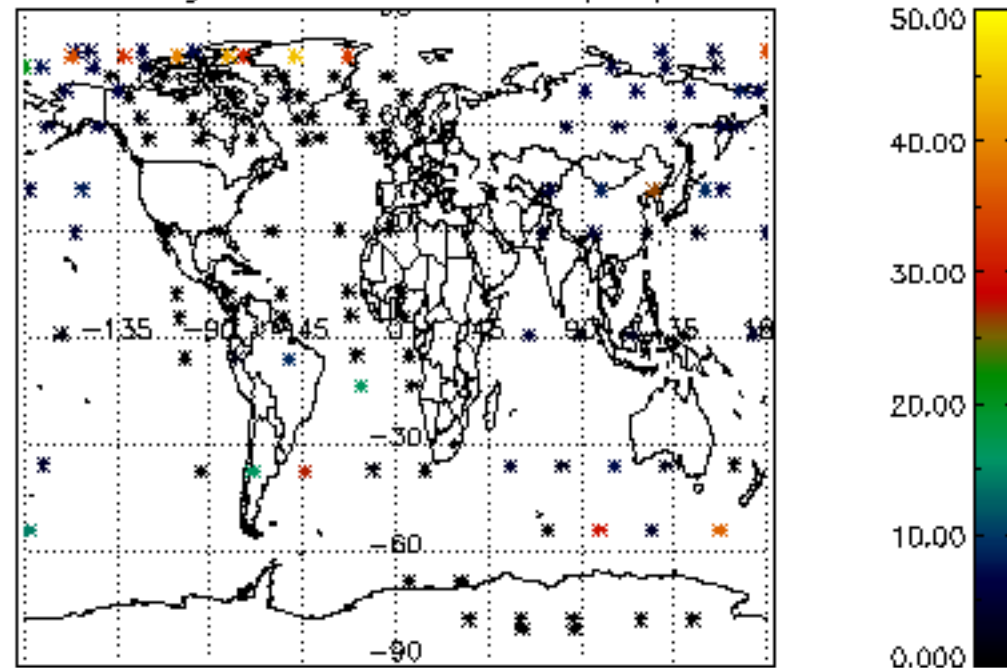
Percentage of datation errors per profile



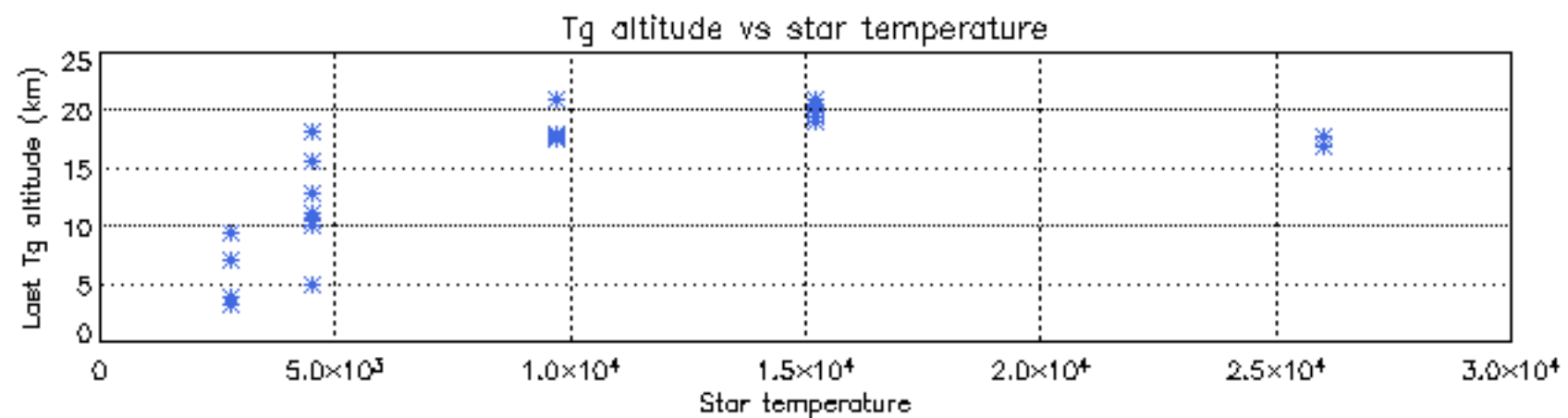
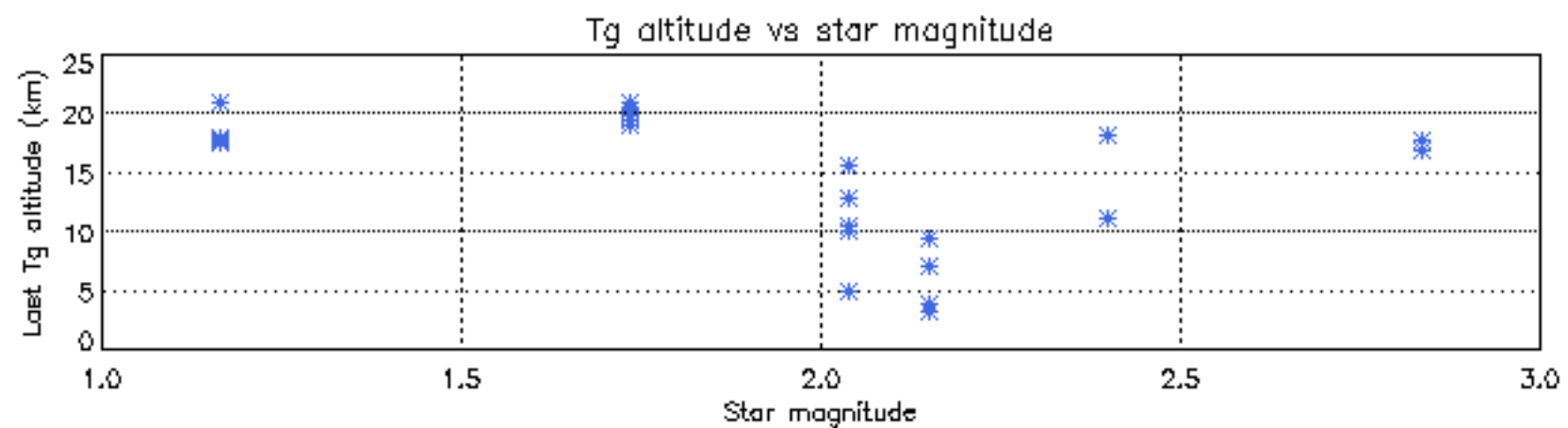
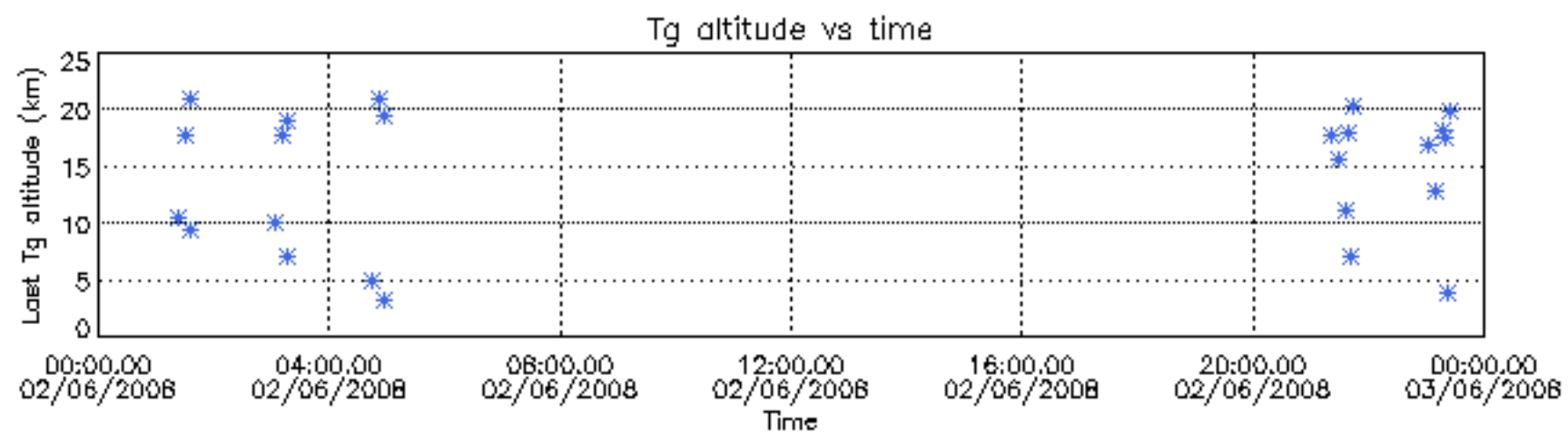
Percentage of star falling outside central band per profile



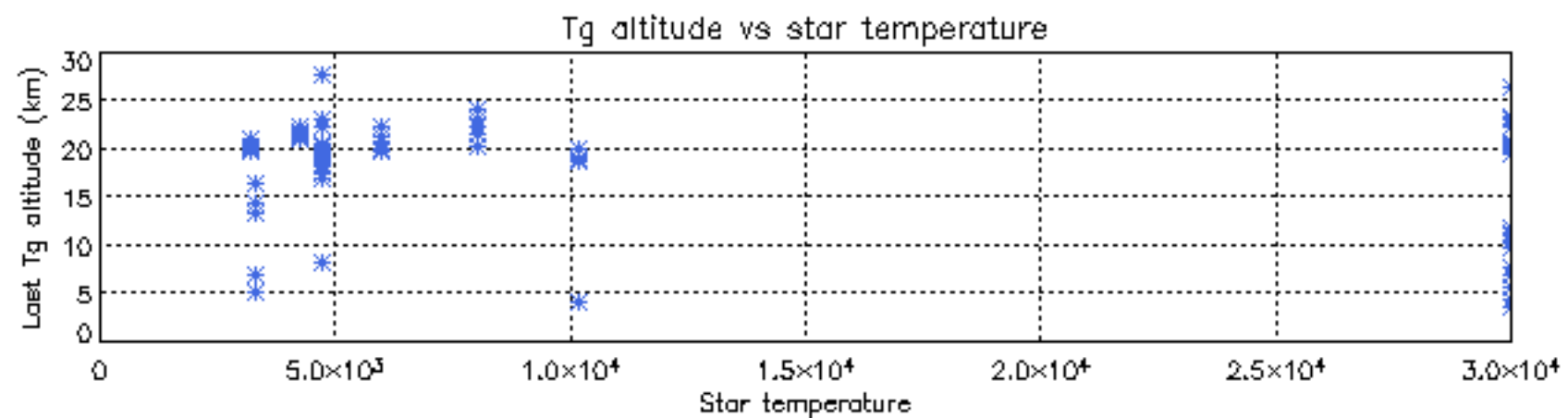
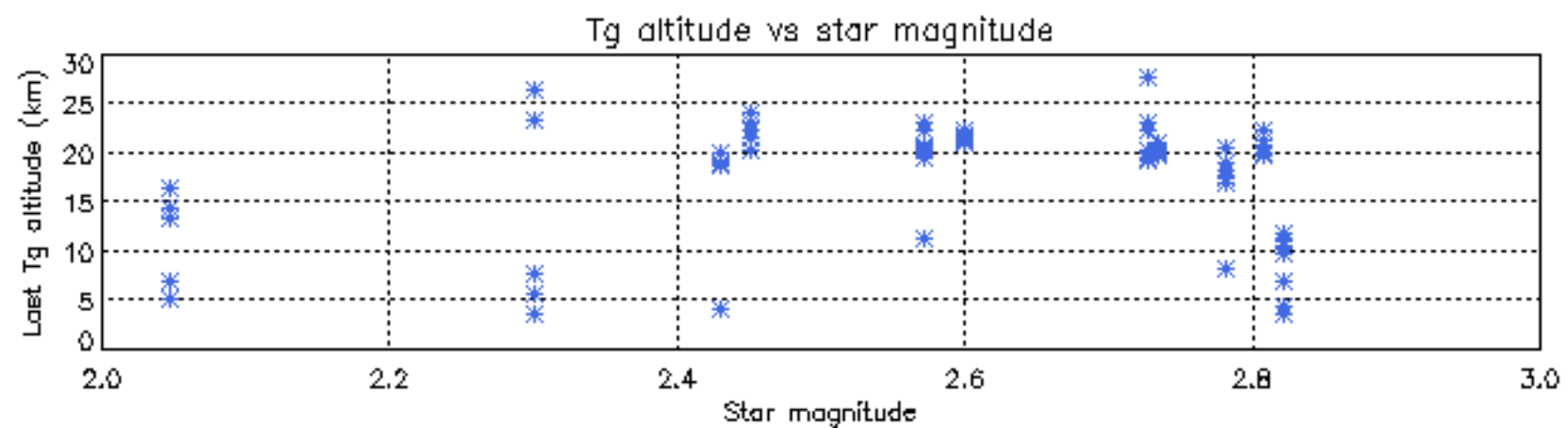
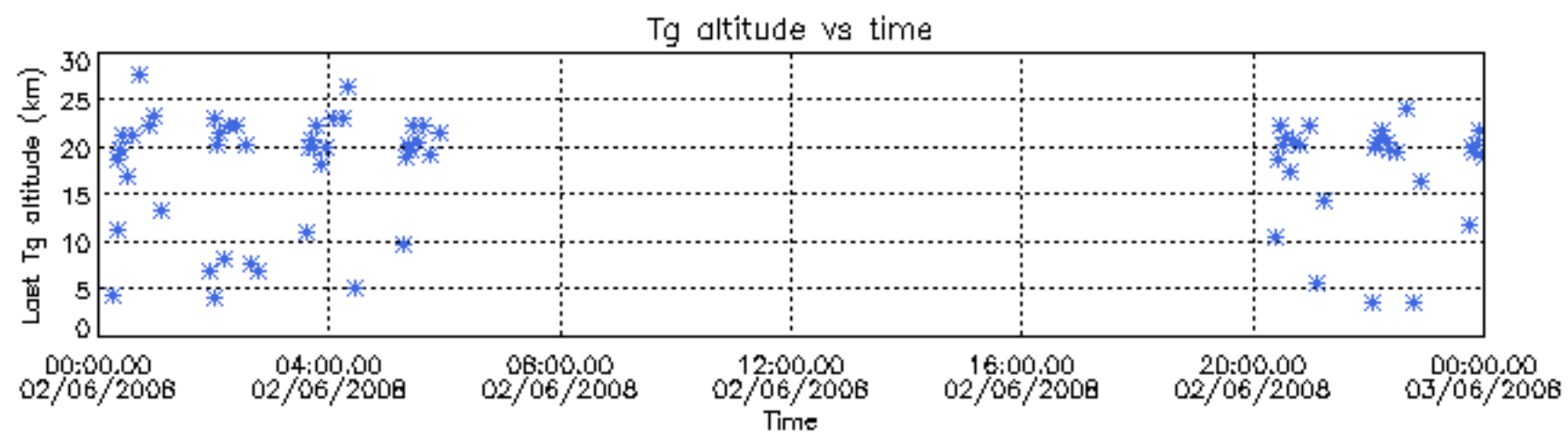
Percentage of saturation errors per profile

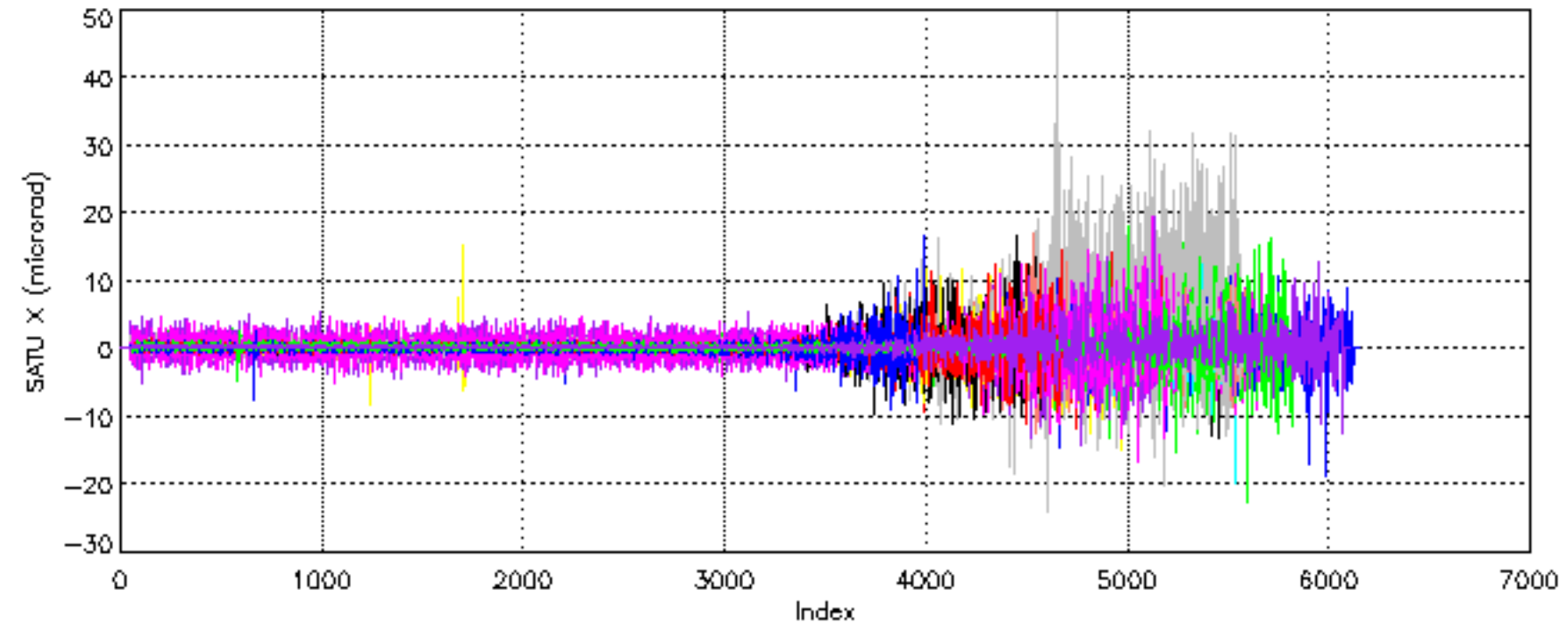


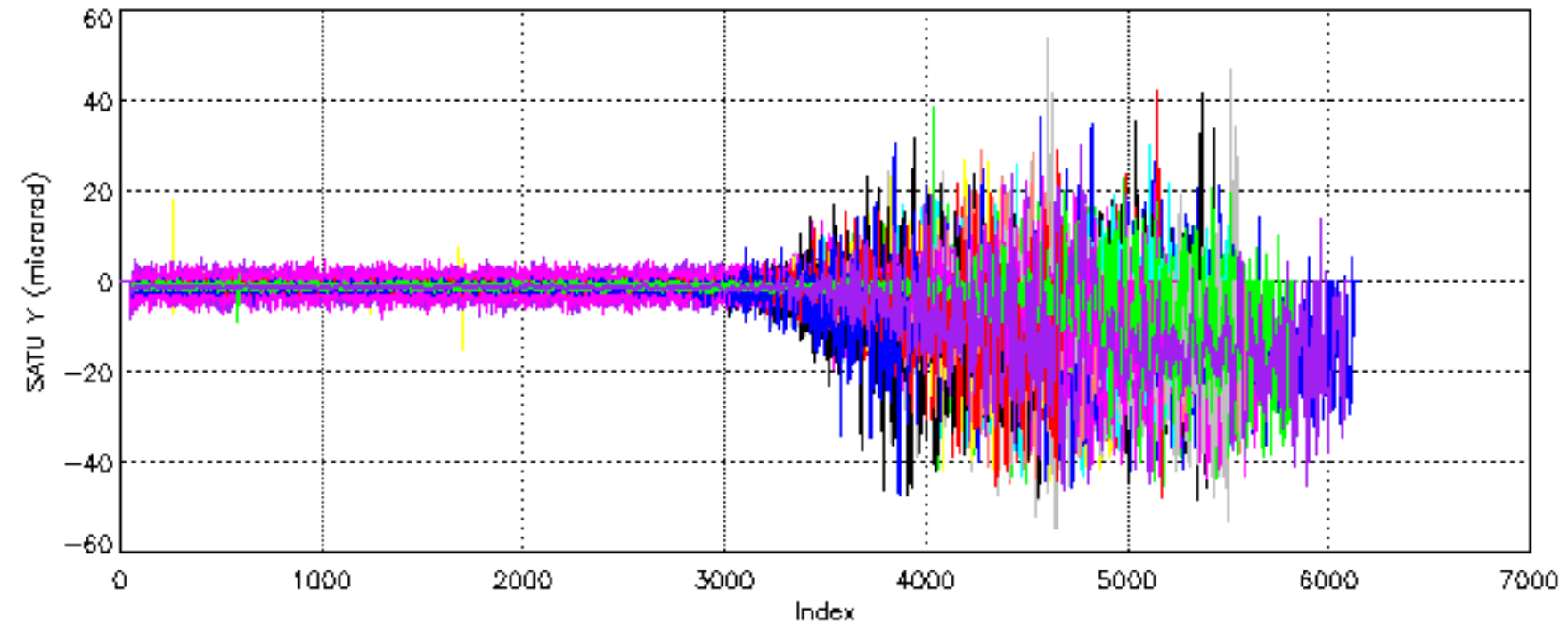
Tangent altitude at which the star is lost

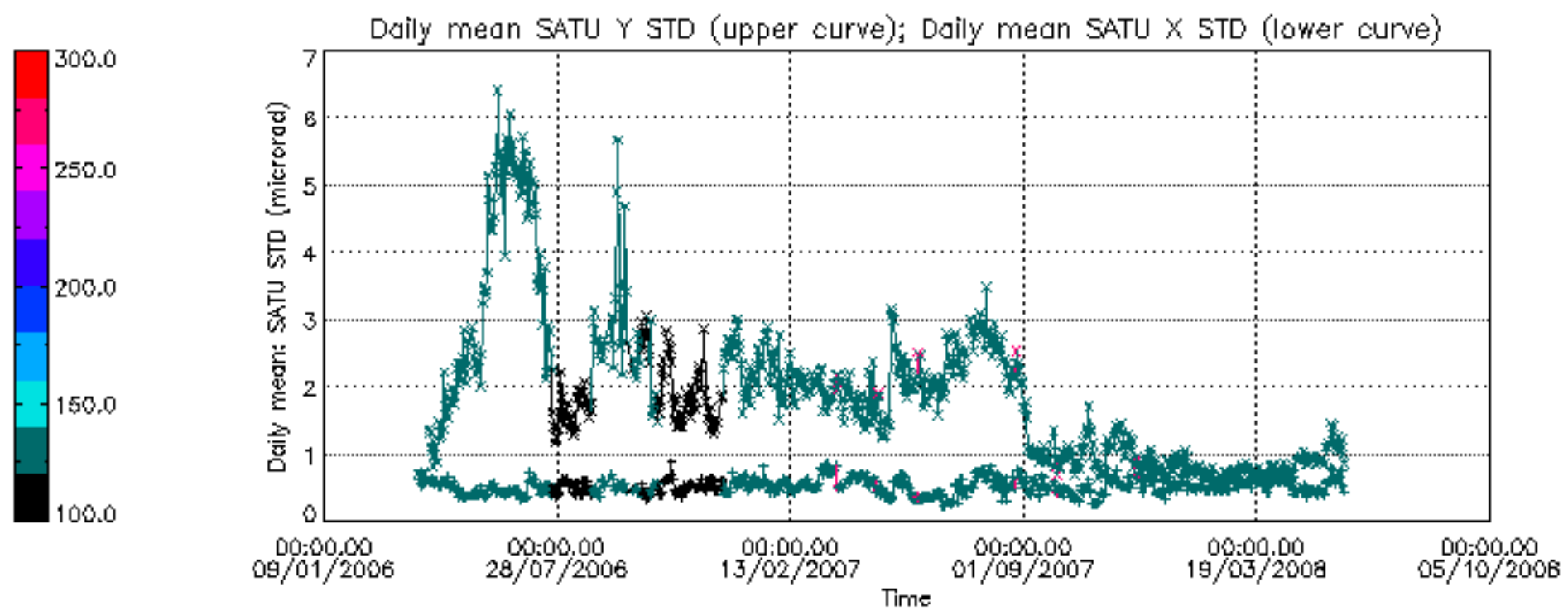


Tangent altitude at which the star is lost









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 3; -116.7; 01-JUN-2008 00:21:16; Dark ; 62.0; 18; 24Alp PsA ; 1.17; 9700;occ; 124; 0;32692
 4; 80.8; 01-JUN-2008 00:24:34; Dark ; 61.5; 63; Bet Gru ; 2.15; 2800;occ; 123; 0;32693
 5; 193.6; 01-JUN-2008 00:26:26; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;32693
 6; 491.2; 01-JUN-2008 00:31:24; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32693
 7; 936.9; 01-JUN-2008 00:38:50; Dark ; 39.5; 147; Alp Ara ; 2.88; 26000;occ; 79; 0;32693
 8; 1038.2; 01-JUN-2008 00:40:31; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;32693
 9; 1146.2; 01-JUN-2008 00:42:19; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;32693
 10; 1251.9; 01-JUN-2008 00:44:05; Dark ; 45.0; 75; 26Eps Sco ; 2.29; 4250;occ; 90; 0;32693
 11; 1373.9; 01-JUN-2008 00:46:07; Dark ; 47.5; 136; 23Tau Sco ; 2.82; 30000;occ; 95; 0;32693
 12; 1498.6; 01-JUN-2008 00:48:11; Bright; 37.0; 80; 7Del Sco ; 2.32; 30000;occ; 74; 0;32693
 13; 1591.4; 01-JUN-2008 00:49:44; Bright; 46.0; 86; 35Eta Oph ; 2.43; 10200;occ; 92; 0;32693
 14; 1702.9; 01-JUN-2008 00:51:36; Bright; 59.0; 98; 13Zet Oph ; 2.57; 30000;occ; 118; 0;32693
 15; 1834.0; 01-JUN-2008 00:53:47; Bright; 38.5; 120; 1Del Oph ; 2.73; 3200;occ; 77; 0;32693
 16; 2014.6; 01-JUN-2008 00:56:47; Bright; 36.5; 102; 24Alp Ser ; 2.60; 4250;occ; 73; 0;32693
 17; 2368.7; 01-JUN-2008 01:02:41; Bright; 38.0; 67; 5Alp CrB ; 2.22; 11000;occ; 76; 0;32693
 18; 2526.4; 01-JUN-2008 01:05:19; Bright; 41.0; 133; 40Zet Her ; 2.81; 6000;occ; 82; 0;32693
 19; 3003.7; 01-JUN-2008 01:13:16; Bright; 35.0; 119; 14Eta Dra ; 2.73; 4700;occ; 70; 0;32693
 20; 3626.4; 01-JUN-2008 01:23:39; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;32693
 21; 3928.8; 01-JUN-2008 01:28:42; Bright; 56.0; 76; 27Gam Cas ; 2.30; 30000;occ; 112; 0;32693
 22; 4394.6; 01-JUN-2008 01:36:27; Bright; 43.5; 53; 43Bet And ; 2.05; 3300;occ; 87; 0;32693
 23; 4557.0; 01-JUN-2008 01:39:10; Dark ; 53.5; 58; 21Alp And ; 2.07; 11000;occ; 107; 0;32693
 24; 4855.2; 01-JUN-2008 01:44:08; Dark ; 52.5; 140; 88Gam Peg ; 2.83; 26000;occ; 105; 0;32693

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 3; -115.5; 01-JUN-2008 02:01:53; Dark ; 53.5; 18; 24Alp PsA ; 1.17; 9700;occ; 107; 0;32693
 4; 81.7; 01-JUN-2008 02:05:10; Dark ; 57.5; 63; Bet Gru ; 2.15; 2800;occ; 115; 0;32694
 5; 194.6; 01-JUN-2008 02:07:03; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;32694
 6; 492.0; 01-JUN-2008 02:12:01; Dark ; 45.0; 45; Alp Pav ; 1.94; 26000;occ; 90; 0;32694
 7; 937.3; 01-JUN-2008 02:19:26; Dark ; 40.5; 147; Alp Ara ; 2.88; 26000;occ; 81; 0;32694
 8; 1038.7; 01-JUN-2008 02:21:07; Dark ; 46.0; 40; The Sco ; 1.86; 7100;occ; 92; 0;32694
 9; 1146.6; 01-JUN-2008 02:22:55; Dark ; 42.5; 25; 35Lam Sco ; 1.62; 28000;occ; 85; 0;32694
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 11; 1374.2; 01-JUN-2008 02:26:43; Dark ; 40.0; 136; 23Tau Sco ; 2.82; 30000;occ; 80; 0;32694
 12; 1498.9; 01-JUN-2008 02:28:48; Bright; 39.0; 80; 7Del Sco ; 2.32; 30000;occ; 78; 0;32694
 13; 1591.6; 01-JUN-2008 02:30:20; Bright; 45.5; 86; 35Eta Oph ; 2.43; 10200;occ; 91; 0;32694
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 16; 2014.7; 01-JUN-2008 02:37:23; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;32694
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 18; 2526.1; 01-JUN-2008 02:45:55; Bright; 43.0; 133; 40Zet Her ; 2.81; 6000;occ; 86; 0;32694
 19; 3003.4; 01-JUN-2008 02:53:52; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;32694
 20; 3625.8; 01-JUN-2008 03:04:14; Bright; 7.5; 89; 5Alp Cep ; 2.45; 8000;occ; 15; 0;32694

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 6; -749.4; 01-JUN-2008 03:31:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32694
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 8; -114.1; 01-JUN-2008 03:42:30; Dark ; 65.5; 18; 24Alp PsA ; 1.17; 9700;occ; 131; 0;32694
 9; 82.7; 01-JUN-2008 03:45:47; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;32695
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 13; 1039.3; 01-JUN-2008 04:01:44; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;32695
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 21; 2014.9; 01-JUN-2008 04:17:59; Bright; 36.0; 102; 24Alp Ser ; 2.60; 4250;occ; 72; 0;32695


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23; 2525.7; 01-JUN-2008 04:26:30; Bright; 41.5; 133; 40Zet Her ; 2.81; 6000;occ; 83; 0;32695
24; 3003.4; 01-JUN-2008 04:34:28; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32695
25; 3625.3; 01-JUN-2008 04:44:50; Bright; 34.0; 89; 5Alp Cep ; 2.45; 8000;occ; 68; 0;32695
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21; 2014.9; 01-JUN-2008 05:58:36; Bright; 36.0; 102; 24Alp Ser ; 2.60; 4250;occ; 72; 0;32696
22; 2368.5; 01-JUN-2008 06:04:29; Bright; 36.5; 67; 5Alp CrB ; 2.22; 11000;occ; 73; 0;32696
23; 2525.2; 01-JUN-2008 06:07:06; Bright; 43.0; 133; 40Zet Her ; 2.81; 6000;occ; 86; 0;32696
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 23; 7302.5; 04-JUN-2008 12:34:16; Dark ; 44.5; 75; 26Eps Sco ; 2.29; 4250;occ; 89; 0;32742
 24; 7421.7; 04-JUN-2008 12:36:15; Dark ; 42.0; 136; 23Tau Sco ; 2.82; 30000;occ; 84; 0;32742
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 12; 4882.7; 04-JUN-2008 13:34:32; Dark ; 55.0; 140; 88Gam Peg ; 2.83; 26000;occ; 110; 0;32743
 13; 5333.0; 04-JUN-2008 13:42:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32743
 14; 5428.2; 04-JUN-2008 13:43:38; Dark ; 47.0; 52; 16Bet Cet ; 2.04; 4500;occ; 94; 0;32743
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 16; 5986.4; 04-JUN-2008 13:52:56; Dark ; 56.0; 18; 24Alp PsA ; 1.17; 9700;occ; 112; 0;32743
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 23; 7302.9; 04-JUN-2008 14:14:52; Dark ; 44.5; 75; 26Eps Sco ; 2.29; 4250;occ; 89; 0;32743
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 3; 1834.4; 04-JUN-2008 14:24:20; Bright; 38.5; 120; 1Del Oph ; 2.73; 3200;occ; 77; 0;32744
 4; 2014.8; 04-JUN-2008 14:27:20; Bright; 53.0; 102; 24Alp Ser ; 2.60; 4250;occ; 106; 0;32744
 5; 2305.0; 04-JUN-2008 14:32:10; Bright; 40.5; 127; 27Bet Her ; 2.78; 4700;occ; 81; 0;32744
 6; 2504.0; 04-JUN-2008 14:35:29; Bright; 42.5; 133; 40Zet Her ; 2.81; 6000;occ; 85; 0;32744
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 8; 3595.4; 04-JUN-2008 14:53:41; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;32744
 9; 3923.3; 04-JUN-2008 14:59:09; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;32744
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 13; 4883.5; 04-JUN-2008 15:15:09; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;32744
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 17; 5987.8; 04-JUN-2008 15:33:33; Dark ; 57.0; 18; 24Alp PsA ; 1.17; 9700;occ; 114; 0;32744
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 19; 6279.1; 04-JUN-2008 15:38:24; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;32744
 20; 6562.5; 04-JUN-2008 15:43:08; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32744
 21; 6993.6; 04-JUN-2008 15:50:19; Dark ; 37.5; 147; Alp Ara ; 2.88; 26000;occ; 75; 0;32744
 22; 7096.3; 04-JUN-2008 15:52:02; Dark ; 44.5; 40; The Sco ; 1.86; 7100;occ; 89; 0;32744
 23; 7202.8; 04-JUN-2008 15:53:48; Dark ; 43.5; 25; 35Lam Sco ; 1.62; 28000;occ; 87; 0;32744
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 6; 2014.7; 04-JUN-2008 16:07:56; Bright; 36.5; 102; 24Alp Ser ; 2.60; 4250;occ; 73; 0;32745
 7; 2304.7; 04-JUN-2008 16:12:46; Bright; 40.0; 127; 27Bet Her ; 2.78; 4700;occ; 80; 0;32745
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 9; 2942.9; 04-JUN-2008 16:23:24; Bright; 45.0; 130; 23Bet Dra ; 2.80; 5800;occ; 90; 0;32745
 10; 3594.8; 04-JUN-2008 16:34:16; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;32745
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 13; 4568.2; 04-JUN-2008 16:50:29; Dark ; 32.0; 58; 21Alp And ; 2.07; 11000;occ; 64; 0;32745
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 16; 5335.2; 04-JUN-2008 17:03:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32745
 17; 5429.6; 04-JUN-2008 17:04:51; Dark ; 48.0; 52; 16Bet Cet ; 2.04; 4500;occ; 96; 0;32745
 18; 5827.2; 04-JUN-2008 17:11:29; Dark ; 46.5; 84; Alp Phe ; 2.40; 4500;occ; 93; 0;32745
 19; 5989.2; 04-JUN-2008 17:14:10; Dark ; 68.0; 18; 24Alp PsA ; 1.17; 9700;occ; 136; 0;32745
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 21; 6280.0; 04-JUN-2008 17:19:01; Dark ; 47.0; 31; Alp Gru ; 1.73; 15200;occ; 94; 0;32745
 22; 6563.1; 04-JUN-2008 17:23:44; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32745
 23; 6994.1; 04-JUN-2008 17:30:55; Dark ; 38.5; 147; Alp Ara ; 2.88; 26000;occ; 77; 0;32745
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 3; 1267.4; 04-JUN-2008 17:36:05; Dark ; 42.0; 75; 26Eps Sco ; 2.29; 4250;occ; 84; 0;32746
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 5; 1596.9; 04-JUN-2008 17:41:34; Bright; 42.5; 86; 35Eta Oph ; 2.43; 10200;occ; 85; 0;32746
 6; 1705.6; 04-JUN-2008 17:43:23; Bright; 39.5; 98; 13Zet Oph ; 2.57; 30000;occ; 79; 0;32746
 7; 1834.4; 04-JUN-2008 17:45:32; Bright; 38.0; 120; 1Del Oph ; 2.73; 3200;occ; 76; 0;32746
 8; 2014.7; 04-JUN-2008 17:48:32; Bright; 36.0; 102; 24Alp Ser ; 2.60; 4250;occ; 72; 0;32746
 9; 2304.3; 04-JUN-2008 17:53:22; Bright; 39.5; 127; 27Bet Her ; 2.78; 4700;occ; 79; 0;32746
 10; 2503.1; 04-JUN-2008 17:56:40; Bright; 41.0; 133; 40Zet Her ; 2.81; 6000;occ; 82; 0;32746
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 12; 3594.2; 04-JUN-2008 18:14:52; Bright; 48.5; 89; 5Alp Cep ; 2.45; 8000;occ; 97; 0;32746
 13; 3922.9; 04-JUN-2008 18:20:20; Bright; 36.0; 76; 27Gam Cas ; 2.30; 30000;occ; 72; 0;32746
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 16; 4884.4; 04-JUN-2008 18:36:22; Dark ; 38.0; 140; 88Gam Peg ; 2.83; 26000;occ; 76; 0;32746
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 18; 5430.3; 04-JUN-2008 18:45:28; Dark ; 51.0; 52; 16Bet Cet ; 2.04; 4500;occ; 102; 0;32746
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 22; 6281.0; 04-JUN-2008 18:59:38; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;32746
 23; 6563.7; 04-JUN-2008 19:04:21; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32746
 24; 6994.4; 04-JUN-2008 19:11:32; Dark ; 39.0; 147; Alp Ara ; 2.88; 26000;occ; 78; 0;32746
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6; 530.4; 05-JUN-2008 01:46:47; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;32751
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3; 1710.4; 09-JUN-2008 16:45:59; Bright; 38.0; 98; 13Zet Oph ; 2.57; 30000;occ; 76; 0;32817

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 8; 3911.0; 10-JUN-2008 10:08:39; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;32827
 9; 4266.7; 10-JUN-2008 10:14:35; Bright; 36.5; 73; 57Gam1And ; 2.26; 13100;occ; 73; 0;32827
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11; 4604.7; 10-JUN-2008 10:20:13; Dark ; 50.0; 50; 13Alp Ari ; 2.01; 4250;occ; 100; 0;32827
12; 5380.3; 10-JUN-2008 10:33:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32827
13; 5493.5; 10-JUN-2008 10:35:01; Dark ; 56.0; 52; 16Bet Cet ; 2.04; 4500;occ; 112; 0;32827
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15; 6238.8; 10-JUN-2008 10:47:27; Dark ; 50.5; 63; Bet Gru ; 2.15; 2800;occ; 101; 0;32827
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 8; 3910.8; 10-JUN-2008 11:49:15; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;32828
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11; 4604.9; 10-JUN-2008 12:00:49; Dark ; 45.5; 50; 13Alp Ari ; 2.01; 4250;occ; 91; 0;32828
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13; 5494.4; 10-JUN-2008 12:15:38; Dark ; 45.5; 52; 16Bet Cet ; 2.04; 4500;occ; 91; 0;32828
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15; 6110.6; 10-JUN-2008 12:25:54; Dark ; 29.0; 18; 24Alp PsA ; 1.17; 9700;occ; 58; 0;32828

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 21; 7331.3; 10-JUN-2008 12:46:15; Dark ; 58.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 117; 0;32828
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 3; 2028.4; 10-JUN-2008 12:58:28; Bright; 59.0; 126; 60Bet Oph ; 2.77; 4250;occ; 118; 0;32829
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 4; 2185.0; 10-JUN-2008 14:41:41; Bright; 44.5; 59; 55Alp Oph ; 2.08; 8900;occ; 89; 0;32830
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 12; 4605.5; 10-JUN-2008 15:22:01; Dark ; 47.5; 50; 13Alp Ari ; 2.01; 4250;occ; 95; 0;32830
 13; 5383.1; 10-JUN-2008 15:34:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32830
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 5; 2184.6; 10-JUN-2008 16:22:16; Bright; 59.5; 59; 55Alp Oph ; 2.08; 8900;occ; 119; 0;32831
 6; 2285.6; 10-JUN-2008 16:23:57; Bright; 56.0; 127; 27Bet Her ; 2.78; 4700;occ; 112; 0;32831
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 10; 3910.4; 10-JUN-2008 16:51:02; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;32831
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 13; 4605.7; 10-JUN-2008 17:02:37; Dark ; 48.0; 50; 13Alp Ari ; 2.01; 4250;occ; 96; 0;32831
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 3; 1296.8; 10-JUN-2008 17:48:04; Dark ; 76.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 152; 0;32832
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12; 3910.2; 10-JUN-2008 18:31:38; Bright; 38.0; 76; 27Gam Cas ; 2.30; 30000;occ; 76; 0;32832
13; 4266.9; 10-JUN-2008 18:37:34; Bright; 38.5; 73; 57Gam1And ; 2.26; 13100;occ; 77; 0;32832
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15; 4605.8; 10-JUN-2008 18:43:13; Dark ; 44.0; 50; 13Alp Ari ; 2.01; 4250;occ; 88; 0;32832
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26; 7504.6; 14-JUN-2008 09:02:05; Bright; 36.0; 156; 20Sig Sco ; 2.90; 28000;occ; 72; 0;32883
27; 7647.9; 14-JUN-2008 09:04:28; Bright; 39.0; 86; 35Eta Oph ; 2.43; 10200;occ; 78; 0;32883
28; 7752.3; 14-JUN-2008 09:06:12; Bright; 35.5; 98; 13Zet Oph ; 2.57; 30000;occ; 71; 0;32883
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2; 2024.5; 14-JUN-2008 09:11:20; Bright; 35.5; 102; 24Alp Ser ; 2.60; 4250;occ; 71; 0;32884
3; 2278.7; 14-JUN-2008 09:15:35; Bright; 37.5; 127; 27Bet Her ; 2.78; 4700;occ; 75; 0;32884
4; 2367.1; 14-JUN-2008 09:17:03; Bright; 33.5; 67; 5Alp CrB ; 2.22; 11000;occ; 67; 0;32884

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6; 2874.7; 14-JUN-2008 09:25:31; Bright; 41.0; 130; 23Bet Dra ; 2.80; 5800;occ; 82; 0;32884
7; 2963.7; 14-JUN-2008 09:27:00; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;32884
8; 3168.7; 14-JUN-2008 09:30:25; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;32884
9; 3446.7; 14-JUN-2008 09:35:03; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32884
10; 3900.4; 14-JUN-2008 09:42:36; Bright; 57.0; 76; 27Gam Cas ; 2.30; 30000;occ; 114; 0;32884
11; 4061.3; 14-JUN-2008 09:45:17; Bright; 33.5; 160; 23Gam Per ; 2.93; 4700;occ; 67; 0;32884
12; 4269.3; 14-JUN-2008 09:48:45; Bright; 39.0; 73; 57Gam1And ; 2.26; 13100;occ; 78; 0;32884
13; 4403.8; 14-JUN-2008 09:51:00; Bright; 37.0; 173; 4Bet Tri ; 3.00; 8900;occ; 74; 0;32884
14; 4617.0; 14-JUN-2008 09:54:33; Dark ; 48.5; 50; 13Alp Ari ; 2.01; 4250;occ; 97; 0;32884
15; 4902.4; 14-JUN-2008 09:59:18; Dark ; 43.5; 94; 92Alp Cet ; 2.53; 3100;occ; 87; 0;32884
16; 5609.6; 14-JUN-2008 10:11:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32884
17; 5923.3; 14-JUN-2008 10:16:19; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;32884
18; 6293.3; 14-JUN-2008 10:22:29; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;32884
19; 6652.4; 14-JUN-2008 10:28:28; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32884
20; 6960.0; 14-JUN-2008 10:33:36; Dark ; 39.0; 141; Bet Ara ; 2.84; 4600;occ; 78; 0;32884
21; 7041.6; 14-JUN-2008 10:34:58; Dark ; 38.5; 147; Alp Ara ; 2.88; 26000;occ; 77; 0;32884
22; 7146.6; 14-JUN-2008 10:36:43; Dark ; 45.0; 40; The Sco ; 1.86; 7100;occ; 90; 0;32884
23; 7249.7; 14-JUN-2008 10:38:26; Dark ; 43.0; 25; 35Lam Sco ; 1.62; 28000;occ; 86; 0;32884
24; 7337.9; 14-JUN-2008 10:39:54; Dark ; 43.5; 75; 26Eps Sco ; 2.29; 4250;occ; 87; 0;32884
25; 7504.7; 14-JUN-2008 10:42:41; Bright; 36.5; 156; 20Sig Sco ; 2.90; 28000;occ; 73; 0;32884
26; 7647.8; 14-JUN-2008 10:45:04; Bright; 39.5; 86; 35Eta Oph ; 2.43; 10200;occ; 79; 0;32884
27; 7752.5; 14-JUN-2008 10:46:48; Bright; 23.5; 98; 13Zet Oph ; 2.57; 30000;occ; 47; 0;32884

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3; 2024.7; 14-JUN-2008 10:51:57; Bright; 35.0; 102; 24Alp Ser ; 2.60; 4250;occ; 70; 0;32885
4; 2278.6; 14-JUN-2008 10:56:10; Bright; 38.5; 127; 27Bet Her ; 2.78; 4700;occ; 77; 0;32885
5; 2367.1; 14-JUN-2008 10:57:39; Bright; 35.5; 67; 5Alp CrB ; 2.22; 11000;occ; 71; 0;32885
6; 2462.2; 14-JUN-2008 10:59:14; Bright; 39.0; 133; 40Zet Her ; 2.81; 6000;occ; 78; 0;32885
7; 2874.4; 14-JUN-2008 11:06:06; Bright; 41.5; 130; 23Bet Dra ; 2.80; 5800;occ; 83; 0;32885
8; 2963.5; 14-JUN-2008 11:07:35; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;32885
9; 3168.8; 14-JUN-2008 11:11:01; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32885
10; 3446.7; 14-JUN-2008 11:15:39; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32885
11; 3900.2; 14-JUN-2008 11:23:12; Bright; 45.5; 76; 27Gam Cas ; 2.30; 30000;occ; 91; 0;32885
12; 4061.3; 14-JUN-2008 11:25:53; Bright; 34.5; 160; 23Gam Per ; 2.93; 4700;occ; 69; 0;32885
13; 4269.4; 14-JUN-2008 11:29:21; Bright; 56.0; 73; 57Gam1And ; 2.26; 13100;occ; 112; 0;32885
14; 4403.8; 14-JUN-2008 11:31:36; Bright; 38.5; 173; 4Bet Tri ; 3.00; 8900;occ; 77; 0;32885
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17; 5609.9; 14-JUN-2008 11:51:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32885
18; 5924.0; 14-JUN-2008 11:56:56; Dark ; 42.5; 84; Alp Phe ; 2.40; 4500;occ; 85; 0;32885
19; 6294.2; 14-JUN-2008 12:03:06; Dark ; 49.5; 63; Bet Gru ; 2.15; 2800;occ; 99; 0;32885
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21; 6960.2; 14-JUN-2008 12:14:12; Dark ; 38.5; 141; Bet Ara ; 2.84; 4600;occ; 77; 0;32885
22; 7041.9; 14-JUN-2008 12:15:34; Dark ; 39.0; 147; Alp Ara ; 2.88; 26000;occ; 78; 0;32885
23; 7146.9; 14-JUN-2008 12:17:19; Dark ; 43.0; 40; The Sco ; 1.86; 7100;occ; 86; 0;32885
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25; 7338.1; 14-JUN-2008 12:20:30; Dark ; 41.0; 75; 26Eps Sco ; 2.29; 4250;occ; 82; 0;32885
26; 7504.9; 14-JUN-2008 12:23:17; Bright; 37.0; 156; 20Sig Sco ; 2.90; 28000;occ; 74; 0;32885
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3; 1842.7; 14-JUN-2008 12:29:30; Bright; 36.0; 120; 1Del Oph ; 2.73; 3200;occ; 72; 0;32886
4; 2024.8; 14-JUN-2008 12:32:33; Bright; 35.0; 102; 24Alp Ser ; 2.60; 4250;occ; 70; 0;32886
5; 2278.4; 14-JUN-2008 12:36:46; Bright; 36.0; 127; 27Bet Her ; 2.78; 4700;occ; 72; 0;32886
6; 2367.3; 14-JUN-2008 12:38:15; Bright; 35.5; 67; 5Alp CrB ; 2.22; 11000;occ; 71; 0;32886
7; 2462.0; 14-JUN-2008 12:39:50; Bright; 55.0; 133; 40Zet Her ; 2.81; 6000;occ; 110; 0;32886
8; 2873.9; 14-JUN-2008 12:46:42; Bright; 40.5; 130; 23Bet Dra ; 2.80; 5800;occ; 81; 0;32886
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10; 3168.8; 14-JUN-2008 12:51:37; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32886
11; 3446.7; 14-JUN-2008 12:56:14; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;32886
12; 3900.0; 14-JUN-2008 13:03:48; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;32886
13; 4061.4; 14-JUN-2008 13:06:29; Bright; 34.0; 160; 23Gam Per ; 2.93; 4700;occ; 68; 0;32886
14; 4269.3; 14-JUN-2008 13:09:57; Bright; 38.0; 73; 57Gam1And ; 2.26; 13100;occ; 76; 0;32886
15; 4404.1; 14-JUN-2008 13:12:12; Bright; 39.5; 173; 4Bet Tri ; 3.00; 8900;occ; 79; 0;32886
16; 4617.4; 14-JUN-2008 13:15:45; Dark ; 47.5; 50; 13Alp Ari ; 2.01; 4250;occ; 95; 0;32886

17; 4903.0; 14-JUN-2008 13:20:31; Dark ; 44.5; 94; 92Alp Cet ; 2.53; 3100;occ; 89; 0;32886
 18; 5610.3; 14-JUN-2008 13:32:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32886
 19; 5924.8; 14-JUN-2008 13:37:33; Dark ; 48.0; 84; Alp Phe ; 2.40; 4500;occ; 96; 0;32886
 20; 6295.2; 14-JUN-2008 13:43:43; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;32886
 21; 6653.6; 14-JUN-2008 13:49:41; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32886
 22; 6960.5; 14-JUN-2008 13:54:48; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;32886
 23; 7042.2; 14-JUN-2008 13:56:10; Dark ; 37.5; 147; Alp Ara ; 2.88; 26000;occ; 75; 0;32886
 24; 7147.3; 14-JUN-2008 13:57:55; Dark ; 42.0; 40; The Sco ; 1.86; 7100;occ; 84; 0;32886
 25; 7250.3; 14-JUN-2008 13:59:38; Dark ; 42.5; 25; 35Lam Sco ; 1.62; 28000;occ; 85; 0;32886
 26; 7338.3; 14-JUN-2008 14:01:06; Dark ; 42.0; 75; 26Eps Sco ; 2.29; 4250;occ; 84; 0;32886
 27; 7505.0; 14-JUN-2008 14:03:53; Bright; 36.5; 156; 20Sig Sco ; 2.90; 28000;occ; 73; 0;32886

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 3; 1842.8; 14-JUN-2008 14:10:06; Bright; 36.0; 120; 1Del Oph ; 2.73; 3200;occ; 72; 0;32887
 4; 2025.0; 14-JUN-2008 14:13:09; Bright; 35.0; 102; 24Alp Ser ; 2.60; 4250;occ; 70; 0;32887
 5; 2278.4; 14-JUN-2008 14:17:22; Bright; 54.0; 127; 27Bet Her ; 2.78; 4700;occ; 108; 0;32887
 6; 2367.6; 14-JUN-2008 14:18:51; Bright; 35.5; 67; 5Alp CrB ; 2.22; 11000;occ; 71; 0;32887
 7; 2461.8; 14-JUN-2008 14:20:25; Bright; 36.0; 133; 40Zet Her ; 2.81; 6000;occ; 72; 0;32887
 8; 2873.6; 14-JUN-2008 14:27:17; Bright; 42.5; 130; 23Bet Dra ; 2.80; 5800;occ; 85; 0;32887
 9; 2963.4; 14-JUN-2008 14:28:47; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;32887
 10; 3169.0; 14-JUN-2008 14:32:13; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;32887
 11; 3446.8; 14-JUN-2008 14:36:50; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;32887
 12; 3899.7; 14-JUN-2008 14:44:23; Bright; 59.0; 76; 27Gam Cas ; 2.30; 30000;occ; 118; 0;32887
 13; 4061.6; 14-JUN-2008 14:47:05; Bright; 52.0; 160; 23Gam Per ; 2.93; 4700;occ; 104; 0;32887
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 15; 4404.2; 14-JUN-2008 14:52:48; Bright; 38.0; 173; 4Bet Tri ; 3.00; 8900;occ; 76; 0;32887
 16; 4617.8; 14-JUN-2008 14:56:21; Dark ; 48.0; 50; 13Alp Ari ; 2.01; 4250;occ; 96; 0;32887
 17; 4903.4; 14-JUN-2008 15:01:07; Dark ; 44.0; 94; 92Alp Cet ; 2.53; 3100;occ; 88; 0;32887
 18; 5610.6; 14-JUN-2008 15:12:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32887
 19; 5925.6; 14-JUN-2008 15:18:09; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;32887
 20; 6296.2; 14-JUN-2008 15:24:20; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;32887
 21; 6654.3; 14-JUN-2008 15:30:18; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32887
 22; 6960.9; 14-JUN-2008 15:35:25; Dark ; 38.0; 141; Bet Ara ; 2.84; 4600;occ; 76; 0;32887
 23; 7042.5; 14-JUN-2008 15:36:46; Dark ; 38.0; 147; Alp Ara ; 2.88; 26000;occ; 76; 0;32887
 24; 7147.6; 14-JUN-2008 15:38:31; Dark ; 45.0; 40; The Sco ; 1.86; 7100;occ; 90; 0;32887
 25; 7250.7; 14-JUN-2008 15:40:14; Dark ; 45.0; 25; 35Lam Sco ; 1.62; 28000;occ; 90; 0;32887
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 3; 1612.5; 14-JUN-2008 15:46:52; Bright; 38.5; 86; 35Eta Oph ; 2.43; 10200;occ; 77; 0;32888
 4; 1716.9; 14-JUN-2008 15:48:36; Bright; 36.5; 98; 13Zet Oph ; 2.57; 30000;occ; 73; 0;32888
 5; 1843.0; 14-JUN-2008 15:50:43; Bright; 36.5; 120; 1Del Oph ; 2.73; 3200;occ; 73; 0;32888
 6; 2025.1; 14-JUN-2008 15:53:45; Bright; 34.5; 102; 24Alp Ser ; 2.60; 4250;occ; 69; 0;32888
 7; 2278.3; 14-JUN-2008 15:57:58; Bright; 54.0; 127; 27Bet Her ; 2.78; 4700;occ; 108; 0;32888
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 9; 2461.7; 14-JUN-2008 16:01:01; Bright; 36.5; 133; 40Zet Her ; 2.81; 6000;occ; 73; 0;32888
 10; 2873.2; 14-JUN-2008 16:07:53; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;32888
 11; 2963.2; 14-JUN-2008 16:09:23; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;32888
 12; 3169.1; 14-JUN-2008 16:12:49; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;32888
 13; 3446.7; 14-JUN-2008 16:17:26; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32888
 14; 3899.6; 14-JUN-2008 16:24:59; Bright; 38.0; 76; 27Gam Cas ; 2.30; 30000;occ; 76; 0;32888
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 16; 4269.4; 14-JUN-2008 16:31:09; Bright; 39.5; 73; 57Gam1And ; 2.26; 13100;occ; 79; 0;32888
 17; 4404.2; 14-JUN-2008 16:33:24; Bright; 38.0; 173; 4Bet Tri ; 3.00; 8900;occ; 76; 0;32888
 18; 4618.0; 14-JUN-2008 16:36:58; Dark ; 47.5; 50; 13Alp Ari ; 2.01; 4250;occ; 95; 0;32888
 19; 4903.6; 14-JUN-2008 16:41:43; Dark ; 45.0; 94; 92Alp Cet ; 2.53; 3100;occ; 90; 0;32888
 20; 5611.0; 14-JUN-2008 16:53:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32888
 21; 5926.4; 14-JUN-2008 16:58:46; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;32888
 22; 6297.3; 14-JUN-2008 17:04:57; Dark ; 46.5; 63; Bet Gru ; 2.15; 2800;occ; 93; 0;32888
 23; 6655.0; 14-JUN-2008 17:10:55; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32888
 24; 6961.2; 14-JUN-2008 17:16:01; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;32888
 25; 7043.0; 14-JUN-2008 17:17:23; Dark ; 37.0; 147; Alp Ara ; 2.88; 26000;occ; 74; 0;32888
 26; 7147.9; 14-JUN-2008 17:19:08; Dark ; 44.5; 40; The Sco ; 1.86; 7100;occ; 89; 0;32888

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5; 1469.9; 14-JUN-2008 20:46:17; Bright; 37.0; 156; 20Sig Sco ; 2.90; 28000;occ; 74; 0;32891
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7; 1717.0; 14-JUN-2008 20:50:25; Bright; 37.0; 98; 13Zet Oph ; 2.57; 30000;occ; 74; 0;32891
8; 1843.2; 14-JUN-2008 20:52:31; Bright; 35.5; 120; 1Del Oph ; 2.73; 3200;occ; 71; 0;32891
9; 2025.4; 14-JUN-2008 20:55:33; Bright; 35.5; 102; 24Alp Ser ; 2.60; 4250;occ; 71; 0;32891
10; 2277.9; 14-JUN-2008 20:59:45; Bright; 54.0; 127; 27Bet Her ; 2.78; 4700;occ; 108; 0;32891
11; 2367.7; 14-JUN-2008 21:01:15; Bright; 36.0; 67; 5Alp CrB ; 2.22; 11000;occ; 72; 0;32891
12; 2461.1; 14-JUN-2008 21:02:49; Bright; 36.0; 133; 40Zet Her ; 2.81; 6000;occ; 72; 0;32891
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16; 3446.6; 14-JUN-2008 21:19:14; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32891
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18; 4061.7; 14-JUN-2008 21:29:29; Bright; 33.5; 160; 23Gam Per ; 2.93; 4700;occ; 67; 0;32891
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20; 4404.5; 14-JUN-2008 21:35:12; Bright; 40.5; 173; 4Bet Tri ; 3.00; 8900;occ; 81; 0;32891
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9; 268.0; 15-JUN-2008 04:49:15; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;32896
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16; 1470.7; 15-JUN-2008 05:09:18; Bright; 37.0; 156; 20Sig Sco ; 2.90; 28000;occ; 74; 0;32896
17; 1613.3; 15-JUN-2008 05:11:40; Bright; 37.0; 86; 35Eta Oph ; 2.43; 10200;occ; 74; 0;32896
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 9; 269.1; 15-JUN-2008 06:29:52; Dark ; 48.5; 63; Bet Gru ; 2.15; 2800;occ; 97; 0;32897
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 13; 1114.5; 15-JUN-2008 06:43:58; Dark ; 45.0; 40; The Sco ; 1.86; 7100;occ; 90; 0;32897
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 17; 1613.4; 15-JUN-2008 06:52:16; Bright; 39.0; 86; 35Eta Oph ; 2.43; 10200;occ; 78; 0;32897
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 22; 2368.3; 15-JUN-2008 07:04:51; Bright; 52.0; 67; 5Alp CrB ; 2.22; 11000;occ; 104; 0;32897
 23; 2460.1; 15-JUN-2008 07:06:23; Bright; 36.0; 133; 40Zet Her ; 2.81; 6000;occ; 72; 0;32897
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 4; 1219.7; 15-JUN-2008 20:10:30; Dark ; 42.5; 25; 35Lam Sco ; 1.62; 28000;occ; 85; 0;32905
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 7; 1614.4; 15-JUN-2008 20:17:05; Bright; 39.0; 86; 35Eta Oph ; 2.43; 10200;occ; 78; 0;32905
 8; 1718.7; 15-JUN-2008 20:18:49; Bright; 37.0; 98; 13Zet Oph ; 2.57; 30000;occ; 74; 0;32905
 9; 1844.5; 15-JUN-2008 20:20:55; Bright; 36.0; 120; 1Del Oph ; 2.73; 3200;occ; 72; 0;32905
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 12; 2458.4; 15-JUN-2008 20:31:09; Bright; 38.0; 133; 40Zet Her ; 2.81; 6000;occ; 76; 0;32905
 13; 2866.5; 15-JUN-2008 20:37:57; Bright; 41.0; 130; 23Bet Dra ; 2.80; 5800;occ; 82; 0;32905
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 16; 3446.7; 15-JUN-2008 20:47:37; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32905
 17; 3895.8; 15-JUN-2008 20:55:06; Bright; 59.0; 76; 27Gam Cas ; 2.30; 30000;occ; 118; 0;32905
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 3; 277.8; 15-JUN-2008 21:35:24; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;32906
 4; 629.3; 15-JUN-2008 21:41:16; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32906
 5; 929.8; 15-JUN-2008 21:46:16; Dark ; 39.0; 141; Bet Ara ; 2.84; 4600;occ; 78; 0;32906
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 7; 1117.2; 15-JUN-2008 21:49:24; Dark ; 43.0; 40; The Sco ; 1.86; 7100;occ; 86; 0;32906
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9; 1306.5; 15-JUN-2008 21:52:33; Dark ; 39.5; 75; 26Eps Sco ; 2.29; 4250;occ; 79; 0;32906
 10; 1472.4; 15-JUN-2008 21:55:19; Bright; 36.5; 156; 20Sig Sco ; 2.90; 28000;occ; 73; 0;32906
 11; 1614.6; 15-JUN-2008 21:57:41; Bright; 39.0; 86; 35Eta Oph ; 2.43; 10200;occ; 78; 0;32906
 12; 1718.6; 15-JUN-2008 21:59:25; Bright; 36.5; 98; 13Zet Oph ; 2.57; 30000;occ; 73; 0;32906
 13; 1844.6; 15-JUN-2008 22:01:31; Bright; 35.5; 120; 1Del Oph ; 2.73; 3200;occ; 71; 0;32906
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 15; 2369.4; 15-JUN-2008 22:10:16; Bright; 34.0; 67; 5Alp CrB ; 2.22; 11000;occ; 68; 0;32906
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 19; 3169.9; 15-JUN-2008 22:23:36; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32906
 20; 3446.6; 15-JUN-2008 22:28:13; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32906
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 22; 4062.4; 15-JUN-2008 22:38:29; Bright; 33.5; 160; 23Gam Per ; 2.93; 4700;occ; 67; 0;32906
 23; 4270.0; 15-JUN-2008 22:41:56; Bright; 57.0; 73; 57Gam1And ; 2.26; 13100;occ; 114; 0;32906
 24; 4406.0; 15-JUN-2008 22:44:12; Bright; 40.0; 173; 4Bet Tri ; 3.00; 8900;occ; 80; 0;32906
 25; 4621.9; 15-JUN-2008 22:47:48; Dark ; 49.0; 50; 13Alp Ari ; 2.01; 4250;occ; 98; 0;32906
 26; 4907.8; 15-JUN-2008 22:52:34; Dark ; 50.5; 94; 92Alp Cet ; 2.53; 3100;occ; 101; 0;32906

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7; 2459.7; 15-JUN-2008 08:46:59; Bright; 37.5; 133; 40Zet Her ; 2.81; 6000;occ; 75; 0;32898
8; 2869.2; 15-JUN-2008 08:53:48; Bright; 56.5; 130; 23Bet Dra ; 2.80; 5800;occ; 113; 0;32898
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3;	1219.4;	15-JUN-2008	18:29:54;	Dark	;	44.0;	25;	35Lam	Sco	;	1.62;	28000;	occ;	88;	0;	32904
4;	1306.1;	15-JUN-2008	18:31:21;	Dark	;	42.5;	75;	26Eps	Sco	;	2.29;	4250;	occ;	85;	0;	32904
5;	1472.1;	15-JUN-2008	18:34:07;	Bright;	;	36.5;	156;	20Sig	Sco	;	2.90;	28000;	occ;	73;	0;	32904
6;	1614.3;	15-JUN-2008	18:36:29;	Bright;	;	39.0;	86;	35Eta	Oph	;	2.43;	10200;	occ;	78;	0;	32904
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13;	2961.2;	15-JUN-2008	18:58:56;	Bright;	;	34.5;	119;	14Eta	Dra	;	2.73;	4700;	occ;	69;	0;	32904
14;	3169.9;	15-JUN-2008	19:02:25;	Bright;	;	36.5;	60;	7Bet	UMi	;	2.08;	3950;	occ;	73;	0;	32904
15;	3446.7;	15-JUN-2008	19:07:01;	Bright;	;	36.0;	49;	1Alp	UMi	;	1.99;	6300;	occ;	72;	0;	32904
16;	3896.1;	15-JUN-2008	19:14:31;	Bright;	;	39.0;	76;	27Gam	Cas	;	2.30;	30000;	occ;	78;	0;	32904
17;	4062.5;	15-JUN-2008	19:17:17;	Bright;	;	53.0;	160;	23Gam	Per	;	2.93;	4700;	occ;	106;	0;	32904
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22;	5616.5;	15-JUN-2008	19:43:11;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	32904
23;	5939.0;	15-JUN-2008	19:48:34;	Dark	;	49.0;	84;	Alp	Phe	;	2.40;	4500;	occ;	98;	0;	32904
24;	6312.8;	15-JUN-2008	19:54:47;	Dark	;	52.0;	63;	Bet	Gru	;	2.15;	2800;	occ;	104;	0;	32904
25;	6664.6;	15-JUN-2008	20:00:39;	Dark	;	42.0;	45;	Alp	Pav	;	1.94;	26000;	occ;	84;	0;	32904
26;	6965.5;	15-JUN-2008	20:05:40;	Dark	;	44.5;	141;	Bet	Ara	;	2.84;	4600;	occ;	89;	0;	32904
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8;	1220.5;	16-JUN-2008	01:12:19;	Dark	;	43.0;	25;	35Lam	Sco	;	1.62;	28000;	occ;	86;	0;	32908
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13;	1844.9;	16-JUN-2008	01:22:43;	Bright;	;	35.5;	120;	1Del	Oph	;	2.73;	3200;	occ;	71;	0;	32908
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4; 2274.1; 21-JUN-2008 10:35:59; Bright; 37.0; 127; 27Bet Her ; 2.78; 4700;occ; 74; 0;32985
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11; 4065.0; 21-JUN-2008 11:05:50; Bright; 46.0; 160; 23Gam Per ; 2.93; 4700;occ; 92; 0;32985
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13; 4413.9; 21-JUN-2008 11:11:39; Dark ; 43.5; 173; 4Bet Tri ; 3.00; 8900;occ; 87; 0;32985
14; 4641.1; 21-JUN-2008 11:15:26; Dark ; 49.5; 50; 13Alp Ari ; 2.01; 4250;occ; 99; 0;32985
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 6; 2448.6; 21-JUN-2008 12:19:29; Bright; 38.0; 133; 40Zet Her ; 2.81; 6000;occ; 76; 0;32986
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 22; 7176.3; 21-JUN-2008 13:38:17; Dark ; 40.0; 40; The Sco ; 1.86; 7100;occ; 80; 0;32986
 23; 7277.5; 21-JUN-2008 13:39:58; Dark ; 41.5; 25; 35Lam Sco ; 1.62; 28000;occ; 83; 0;32986
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 6; 2448.5; 21-JUN-2008 14:00:05; Bright; 37.0; 133; 40Zet Her ; 2.81; 6000;occ; 74; 0;32987
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 8; 2953.9; 21-JUN-2008 14:08:30; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;32987
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 3; 1728.6; 21-JUN-2008 15:28:41; Bright; 36.0; 98; 13Zet Oph ; 2.57; 30000;occ; 72; 0;32988
 4; 1991.7; 21-JUN-2008 15:33:04; Bright; 39.5; 126; 60Bet Oph ; 2.77; 4250;occ; 79; 0;32988
 5; 2137.1; 21-JUN-2008 15:35:30; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;32988
 6; 2274.3; 21-JUN-2008 15:37:47; Bright; 37.0; 127; 27Bet Her ; 2.78; 4700;occ; 74; 0;32988
 7; 2448.5; 21-JUN-2008 15:40:41; Bright; 36.5; 133; 40Zet Her ; 2.81; 6000;occ; 73; 0;32988
 8; 2838.5; 21-JUN-2008 15:47:11; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;32988

9; 2953.9; 21-JUN-2008 15:49:06; Bright; 36.0; 119; 14Eta Dra ; 2.73; 4700;occ; 72; 0;32988
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 12; 3875.7; 21-JUN-2008 16:04:28; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;32988
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 4; 1728.6; 21-JUN-2008 17:09:17; Bright; 35.5; 98; 13Zet Oph ; 2.57; 30000;occ; 71; 0;32989
 5; 1991.7; 21-JUN-2008 17:13:40; Bright; 59.0; 126; 60Bet Oph ; 2.77; 4250;occ; 118; 0;32989
 6; 2136.9; 21-JUN-2008 17:16:05; Bright; 41.5; 59; 55Alp Oph ; 2.08; 8900;occ; 83; 0;32989
 7; 2274.3; 21-JUN-2008 17:18:23; Bright; 36.0; 127; 27Bet Her ; 2.78; 4700;occ; 72; 0;32989
 8; 2448.4; 21-JUN-2008 17:21:17; Bright; 36.0; 133; 40Zet Her ; 2.81; 6000;occ; 72; 0;32989
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 10; 2953.8; 21-JUN-2008 17:29:42; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;32989
 11; 3176.5; 21-JUN-2008 17:33:25; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;32989
 12; 3446.4; 21-JUN-2008 17:37:55; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;32989
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 5; 1625.1; 21-JUN-2008 18:48:10; Bright; 37.0; 86; 35Eta Oph ; 2.43; 10200;occ; 74; 0;32990
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8; 3178.6; 23-JUN-2008 08:07:14; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;33012
9; 3446.2; 23-JUN-2008 08:11:41; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;33012
10; 3868.8; 23-JUN-2008 08:18:44; Bright; 50.5; 76; 27Gam Cas ; 2.30; 30000;occ; 101; 0;33012
11; 4065.5; 23-JUN-2008 08:22:00; Bright; 54.0; 160; 23Gam Per ; 2.93; 4700;occ; 108; 0;33012
12; 4270.8; 23-JUN-2008 08:25:26; Bright; 43.0; 73; 57Gam1And ; 2.26; 13100;occ; 86; 0;33012
13; 4416.4; 23-JUN-2008 08:27:51; Dark ; 43.5; 173; 4Bet Tri ; 3.00; 8900;occ; 87; 0;33012
14; 4648.2; 23-JUN-2008 08:31:43; Dark ; 52.0; 50; 13Alp Ari ; 2.01; 4250;occ; 104; 0;33012
15; 4938.3; 23-JUN-2008 08:36:33; Dark ; 36.5; 94; 92Alp Cet ; 2.53; 3100;occ; 73; 0;33012
16; 5420.6; 23-JUN-2008 08:44:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;33012
17; 6024.0; 23-JUN-2008 08:54:39; Dark ; 38.5; 9; Alp Eri ; 0.45; 24000;occ; 77; 0;33012
18; 6419.3; 23-JUN-2008 09:01:14; Dark ; 48.0; 63; Bet Gru ; 2.15; 2800;occ; 96; 0;33012
19; 6727.0; 23-JUN-2008 09:06:22; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;33012
20; 7183.0; 23-JUN-2008 09:13:58; Dark ; 42.0; 40; The Sco ; 1.86; 7100;occ; 84; 0;33012
21; 7283.9; 23-JUN-2008 09:15:39; Dark ; 43.0; 25; 35Lam Sco ; 1.62; 28000;occ; 86; 0;33012
22; 7365.2; 23-JUN-2008 09:17:00; Dark ; 55.5; 116; 19Del Sgr ; 2.70; 4100;occ; 111; 0;33012
23; 7664.1; 23-JUN-2008 09:21:59; Bright; 36.5; 86; 35Eta Oph ; 2.43; 10200;occ; 73; 0;33012
24; 7767.7; 23-JUN-2008 09:23:43; Bright; 8.0; 98; 13Zet Oph ; 2.57; 30000;occ; 16; 0;33012

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2; 1988.7; 23-JUN-2008 09:28:00; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;33013
3; 2132.7; 23-JUN-2008 09:30:24; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;33013
4; 2274.8; 23-JUN-2008 09:32:46; Bright; 35.5; 127; 27Bet Her ; 2.78; 4700;occ; 71; 0;33013
5; 2447.0; 23-JUN-2008 09:35:38; Bright; 36.5; 133; 40Zet Her ; 2.81; 6000;occ; 73; 0;33013
6; 2831.5; 23-JUN-2008 09:42:02; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;33013
7; 2952.6; 23-JUN-2008 09:44:03; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;33013
8; 3178.8; 23-JUN-2008 09:47:50; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;33013
9; 3446.2; 23-JUN-2008 09:52:17; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;33013
10; 3868.6; 23-JUN-2008 09:59:19; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;33013
11; 4065.5; 23-JUN-2008 10:02:36; Bright; 35.0; 160; 23Gam Per ; 2.93; 4700;occ; 70; 0;33013
12; 4270.8; 23-JUN-2008 10:06:02; Bright; 45.5; 73; 57Gam1And ; 2.26; 13100;occ; 91; 0;33013
13; 4416.4; 23-JUN-2008 10:08:27; Dark ; 44.5; 173; 4Bet Tri ; 3.00; 8900;occ; 89; 0;33013
14; 4648.4; 23-JUN-2008 10:12:19; Dark ; 52.0; 50; 13Alp Ari ; 2.01; 4250;occ; 104; 0;33013
15; 4938.5; 23-JUN-2008 10:17:09; Dark ; 47.0; 94; 92Alp Cet ; 2.53; 3100;occ; 94; 0;33013
16; 5421.2; 23-JUN-2008 10:25:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;33013
17; 6024.4; 23-JUN-2008 10:35:15; Dark ; 44.0; 9; Alp Eri ; 0.45; 24000;occ; 88; 0;33013
18; 6420.2; 23-JUN-2008 10:41:51; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;33013
19; 6727.5; 23-JUN-2008 10:46:58; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;33013
20; 7183.3; 23-JUN-2008 10:54:34; Dark ; 40.0; 40; The Sco ; 1.86; 7100;occ; 80; 0;33013
21; 7284.1; 23-JUN-2008 10:56:15; Dark ; 43.5; 25; 35Lam Sco ; 1.62; 28000;occ; 87; 0;33013
22; 7365.5; 23-JUN-2008 10:57:36; Dark ; 46.5; 116; 19Del Sgr ; 2.70; 4100;occ; 93; 0;33013
23; 7664.1; 23-JUN-2008 11:02:35; Bright; 25.0; 86; 35Eta Oph ; 2.43; 10200;occ; 50; 0;33013

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1; -609.2; 23-JUN-2008 23:50:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;33021
2; -8.2; 24-JUN-2008 00:00:06; Dark ; 45.0; 9; Alp Eri ; 0.45; 24000;occ; 90; 0;33021
3; 392.1; 24-JUN-2008 00:06:46; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;33022
4; 695.9; 24-JUN-2008 00:11:50; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;33022
5; 1149.2; 24-JUN-2008 00:19:23; Dark ; 42.0; 40; The Sco ; 1.86; 7100;occ; 84; 0;33022
6; 1250.1; 24-JUN-2008 00:21:04; Dark ; 43.5; 25; 35Lam Sco ; 1.62; 28000;occ; 87; 0;33022
7; 1331.6; 24-JUN-2008 00:22:26; Dark ; 53.5; 116; 19Del Sgr ; 2.70; 4100;occ; 107; 0;33022
8; 1629.2; 24-JUN-2008 00:27:23; Bright; 37.5; 86; 35Eta Oph ; 2.43; 10200;occ; 75; 0;33022

9; 1733.1; 24-JUN-2008 00:29:07; Bright; 36.0; 98; 13Zet Oph ; 2.57; 30000;occ; 72; 0;33022
 10; 1987.6; 24-JUN-2008 00:33:22; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;33022
 11; 2131.3; 24-JUN-2008 00:35:45; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;33022
 12; 2274.9; 24-JUN-2008 00:38:09; Bright; 37.0; 127; 27Bet Her ; 2.78; 4700;occ; 74; 0;33022
 13; 2446.7; 24-JUN-2008 00:41:01; Bright; 35.5; 133; 40Zet Her ; 2.81; 6000;occ; 71; 0;33022
 14; 2829.1; 24-JUN-2008 00:47:23; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;33022
 15; 2952.2; 24-JUN-2008 00:49:26; Bright; 32.5; 119; 14Eta Dra ; 2.73; 4700;occ; 65; 0;33022
 16; 3179.6; 24-JUN-2008 00:53:14; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;33022
 17; 3446.1; 24-JUN-2008 00:57:40; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;33022
 18; 3865.8; 24-JUN-2008 01:04:40; Bright; 28.0; 76; 27Gam Cas ; 2.30; 30000;occ; 56; 0;33022
 19; 4065.2; 24-JUN-2008 01:07:59; Bright; 46.0; 160; 23Gam Per ; 2.93; 4700;occ; 92; 0;33022
 20; 4288.9; 24-JUN-2008 01:11:43; Bright; 35.0; 79; 26Bet Per ; 2.31; 13100;occ; 70; 0;33022
 21; 4650.9; 24-JUN-2008 01:17:45; Dark ; 53.5; 50; 13Alp Ari ; 2.01; 4250;occ; 107; 0;33022
 22; 4941.6; 24-JUN-2008 01:22:36; Dark ; 44.0; 94; 92Alp Cet ; 2.53; 3100;occ; 88; 0;33022

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 2; 1732.1; 23-JUN-2008 11:04:19; Bright; 36.0; 98; 13Zet Oph ; 2.57; 30000;occ; 72; 0;33014
 3; 1988.6; 23-JUN-2008 11:08:35; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;33014
 4; 2132.5; 23-JUN-2008 11:10:59; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;33014
 5; 2274.8; 23-JUN-2008 11:13:21; Bright; 38.0; 127; 27Bet Her ; 2.78; 4700;occ; 76; 0;33014
 6; 2447.0; 23-JUN-2008 11:16:14; Bright; 37.5; 133; 40Zet Her ; 2.81; 6000;occ; 75; 0;33014
 7; 2831.1; 23-JUN-2008 11:22:38; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;33014
 8; 2952.5; 23-JUN-2008 11:24:39; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;33014
 9; 3178.8; 23-JUN-2008 11:28:26; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;33014
 10; 3446.2; 23-JUN-2008 11:32:53; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;33014
 11; 3868.2; 23-JUN-2008 11:39:55; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;33014
 12; 4065.4; 23-JUN-2008 11:43:12; Bright; 47.0; 160; 23Gam Per ; 2.93; 4700;occ; 94; 0;33014
 13; 4270.8; 23-JUN-2008 11:46:37; Bright; 43.5; 73; 57Gam1And ; 2.26; 13100;occ; 87; 0;33014
 14; 4416.5; 23-JUN-2008 11:49:03; Dark ; 45.5; 173; 4Bet Tri ; 3.00; 8900;occ; 91; 0;33014
 15; 4648.7; 23-JUN-2008 11:52:55; Dark ; 52.5; 50; 13Alp Ari ; 2.01; 4250;occ; 105; 0;33014
 16; 4938.9; 23-JUN-2008 11:57:46; Dark ; 47.0; 94; 92Alp Cet ; 2.53; 3100;occ; 94; 0;33014
 17; 5421.9; 23-JUN-2008 12:05:49; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;33014
 18; 6024.8; 23-JUN-2008 12:15:52; Dark ; 51.0; 9; Alp Eri ; 0.45; 24000;occ; 102; 0;33014
 19; 6421.2; 23-JUN-2008 12:22:28; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;33014
 20; 6728.0; 23-JUN-2008 12:27:35; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;33014
 21; 7183.5; 23-JUN-2008 12:35:10; Dark ; 42.0; 40; The Sco ; 1.86; 7100;occ; 84; 0;33014
 22; 7284.4; 23-JUN-2008 12:36:51; Dark ; 40.5; 25; 35Lam Sco ; 1.62; 28000;occ; 81; 0;33014
 23; 7365.8; 23-JUN-2008 12:38:12; Dark ; 46.0; 116; 19Del Sgr ; 2.70; 4100;occ; 92; 0;33014
 24; 7664.3; 23-JUN-2008 12:43:11; Bright; 37.0; 86; 35Eta Oph ; 2.43; 10200;occ; 74; 0;33014

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1; 1648.9; 23-JUN-2008 12:43:32; Bright; 37.5; 86; 35Eta Oph ; 2.43; 10200;occ; 75; 41;33015
 2; 1732.2; 23-JUN-2008 12:44:55; Bright; 36.5; 98; 13Zet Oph ; 2.57; 30000;occ; 73; 0;33015
 3; 1988.5; 23-JUN-2008 12:49:11; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;33015
 4; 2132.5; 23-JUN-2008 12:51:35; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;33015
 5; 2274.8; 23-JUN-2008 12:53:57; Bright; 35.0; 127; 27Bet Her ; 2.78; 4700;occ; 70; 0;33015
 6; 2446.9; 23-JUN-2008 12:56:50; Bright; 36.0; 133; 40Zet Her ; 2.81; 6000;occ; 72; 0;33015
 7; 2830.9; 23-JUN-2008 13:03:13; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;33015
 8; 2952.6; 23-JUN-2008 13:05:15; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;33015
 9; 3179.0; 23-JUN-2008 13:09:02; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;33015
 10; 3446.2; 23-JUN-2008 13:13:29; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;33015
 11; 3867.9; 23-JUN-2008 13:20:31; Bright; 47.0; 76; 27Gam Cas ; 2.30; 30000;occ; 94; 0;33015
 12; 4065.4; 23-JUN-2008 13:23:48; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;33015
 13; 4270.7; 23-JUN-2008 13:27:13; Bright; 44.0; 73; 57Gam1And ; 2.26; 13100;occ; 88; 0;33015
 14; 4416.6; 23-JUN-2008 13:29:39; Dark ; 45.0; 173; 4Bet Tri ; 3.00; 8900;occ; 90; 0;33015
 15; 4649.1; 23-JUN-2008 13:33:32; Dark ; 50.0; 50; 13Alp Ari ; 2.01; 4250;occ; 100; 0;33015
 16; 4939.4; 23-JUN-2008 13:38:22; Dark ; 47.0; 94; 92Alp Cet ; 2.53; 3100;occ; 94; 0;33015
 17; 5422.6; 23-JUN-2008 13:46:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;33015
 18; 6025.2; 23-JUN-2008 13:56:28; Dark ; 39.0; 9; Alp Eri ; 0.45; 24000;occ; 78; 0;33015
 19; 6422.3; 23-JUN-2008 14:03:05; Dark ; 55.0; 63; Bet Gru ; 2.15; 2800;occ; 110; 0;33015
 20; 6728.6; 23-JUN-2008 14:08:11; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;33015
 21; 7183.9; 23-JUN-2008 14:15:47; Dark ; 42.5; 40; The Sco ; 1.86; 7100;occ; 85; 0;33015
 22; 7284.6; 23-JUN-2008 14:17:27; Dark ; 40.0; 25; 35Lam Sco ; 1.62; 28000;occ; 80; 0;33015
 23; 7366.0; 23-JUN-2008 14:18:49; Dark ; 43.5; 116; 19Del Sgr ; 2.70; 4100;occ; 87; 0;33015

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 2; 1732.3; 23-JUN-2008 14:25:31; Bright; 35.5; 98; 13Zet Oph ; 2.57; 30000;occ; 71; 0;33016
 3; 1988.4; 23-JUN-2008 14:29:47; Bright; 40.0; 126; 60Bet Oph ; 2.77; 4250;occ; 80; 0;33016
 4; 2132.4; 23-JUN-2008 14:32:11; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;33016

5; 2275.0; 23-JUN-2008 14:34:33; Bright; 36.5; 127; 27Bet Her ; 2.78; 4700;occ; 73; 0;33016
6; 2446.9; 23-JUN-2008 14:37:25; Bright; 37.0; 133; 40Zet Her ; 2.81; 6000;occ; 74; 0;33016
7; 2830.7; 23-JUN-2008 14:43:49; Bright; 36.0; 130; 23Bet Dra ; 2.80; 5800;occ; 72; 0;33016
8; 2952.6; 23-JUN-2008 14:45:51; Bright; 36.0; 119; 14Eta Dra ; 2.73; 4700;occ; 72; 0;33016
9; 3179.1; 23-JUN-2008 14:49:38; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;33016
10; 3446.3; 23-JUN-2008 14:54:05; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;33016
11; 3867.8; 23-JUN-2008 15:01:06; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;33016
12; 4065.4; 23-JUN-2008 15:04:24; Bright; 34.5; 160; 23Gam Per ; 2.93; 4700;occ; 69; 0;33016
13; 4270.9; 23-JUN-2008 15:07:49; Bright; 43.0; 73; 57Gam1And ; 2.26; 13100;occ; 86; 0;33016
14; 4649.4; 23-JUN-2008 15:14:08; Dark ; 57.5; 50; 13Alp Ari ; 2.01; 4250;occ; 115; 0;33016
15; 4939.8; 23-JUN-2008 15:18:58; Dark ; 44.5; 94; 92Alp Cet ; 2.53; 3100;occ; 89; 0;33016
16; 5423.3; 23-JUN-2008 15:27:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;33016
17; 6025.7; 23-JUN-2008 15:37:04; Dark ; 40.0; 9; Alp Eri ; 0.45; 24000;occ; 80; 0;33016
18; 6423.3; 23-JUN-2008 15:43:42; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;33016
19; 6729.2; 23-JUN-2008 15:48:48; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;33016
20; 7184.2; 23-JUN-2008 15:56:23; Dark ; 41.0; 40; The Sco ; 1.86; 7100;occ; 82; 0;33016
21; 7285.0; 23-JUN-2008 15:58:03; Dark ; 39.0; 25; 35Lam Sco ; 1.62; 28000;occ; 78; 0;33016
22; 7366.4; 23-JUN-2008 15:59:25; Dark ; 37.0; 116; 19Del Sgr ; 2.70; 4100;occ; 74; 0;33016

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3; 1732.6; 23-JUN-2008 16:06:07; Bright; 36.0; 98; 13Zet Oph ; 2.57; 30000;occ; 72; 0;33017
4; 1988.2; 23-JUN-2008 16:10:23; Bright; 39.5; 126; 60Bet Oph ; 2.77; 4250;occ; 79; 0;33017
5; 2132.2; 23-JUN-2008 16:12:47; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;33017
6; 2274.9; 23-JUN-2008 16:15:09; Bright; 36.0; 127; 27Bet Her ; 2.78; 4700;occ; 72; 0;33017
7; 2446.9; 23-JUN-2008 16:18:01; Bright; 37.0; 133; 40Zet Her ; 2.81; 6000;occ; 74; 0;33017
8; 2830.4; 23-JUN-2008 16:24:25; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;33017
9; 2952.5; 23-JUN-2008 16:26:27; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;33017
10; 3179.2; 23-JUN-2008 16:30:14; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;33017
11; 3446.2; 23-JUN-2008 16:34:41; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;33017
12; 3867.4; 23-JUN-2008 16:41:42; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;33017
13; 4065.4; 23-JUN-2008 16:45:00; Bright; 33.5; 160; 23Gam Per ; 2.93; 4700;occ; 67; 0;33017
14; 4270.9; 23-JUN-2008 16:48:25; Bright; 44.0; 73; 57Gam1And ; 2.26; 13100;occ; 88; 0;33017
15; 4649.7; 23-JUN-2008 16:54:44; Dark ; 51.5; 50; 13Alp Ari ; 2.01; 4250;occ; 103; 0;33017
16; 4940.1; 23-JUN-2008 16:59:34; Dark ; 45.5; 94; 92Alp Cet ; 2.53; 3100;occ; 91; 0;33017
17; 5424.0; 23-JUN-2008 17:07:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;33017
18; 6026.1; 23-JUN-2008 17:17:41; Dark ; 39.5; 9; Alp Eri ; 0.45; 24000;occ; 79; 0;33017
19; 6424.3; 23-JUN-2008 17:24:19; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;33017
20; 6729.8; 23-JUN-2008 17:29:24; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;33017
21; 7184.4; 23-JUN-2008 17:36:59; Dark ; 39.0; 40; The Sco ; 1.86; 7100;occ; 78; 0;33017

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3; 1330.6; 23-JUN-2008 17:40:01; Dark ; 58.0; 116; 19Del Sgr ; 2.70; 4100;occ; 116; 0;33018
4; 1628.7; 23-JUN-2008 17:44:59; Bright; 37.0; 86; 35Eta Oph ; 2.43; 10200;occ; 74; 0;33018
5; 1732.6; 23-JUN-2008 17:46:43; Bright; 36.0; 98; 13Zet Oph ; 2.57; 30000;occ; 72; 0;33018
6; 1988.1; 23-JUN-2008 17:50:59; Bright; 58.0; 126; 60Bet Oph ; 2.77; 4250;occ; 116; 0;33018
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 17; 5434.6; 24-JUN-2008 18:16:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;33032
 18; 6032.7; 24-JUN-2008 18:26:46; Dark ; 48.5; 9; Alp Eri ; 0.45; 24000;occ; 97; 0;33032
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14; 2825.4; 25-JUN-2008 01:56:18; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;33037
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16; 3181.3; 25-JUN-2008 02:02:14; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;33037
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17; 2446.2; 25-JUN-2008 03:30:35; Bright; 34.0; 133; 40Zet Her ; 2.81; 6000;occ; 68; 0;33038
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19; 2951.9; 25-JUN-2008 03:39:01; Bright; 34.5; 119; 14Eta Dra ; 2.73; 4700;occ; 69; 0;33038
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6; -597.1; 25-JUN-2008 04:20:28; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;33038
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8; 409.2; 25-JUN-2008 04:37:14; Dark ; 44.0; 63; Bet Gru ; 2.15; 2800;occ; 88; 0;33039
9; 705.0; 25-JUN-2008 04:42:10; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;33039
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13; 1631.7; 25-JUN-2008 04:57:37; Bright; 37.0; 86; 35Eta Oph ; 2.43; 10200;occ; 74; 0;33039
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15; 2129.0; 25-JUN-2008 05:05:54; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;33039
16; 2276.0; 25-JUN-2008 05:08:21; Bright; 52.0; 127; 27Bet Her ; 2.78; 4700;occ; 104; 0;33039
17; 2446.2; 25-JUN-2008 05:11:11; Bright; 35.5; 133; 40Zet Her ; 2.81; 6000;occ; 71; 0;33039
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19; 2951.8; 25-JUN-2008 05:19:37; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;33039
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 18; 2824.7; 25-JUN-2008 06:58:06; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;33040
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 20; 3181.7; 25-JUN-2008 07:04:03; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;33040
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