

GOMOS Daily Report 27-MAY-2010

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	28MAY2010 04:45:51
Data source version	GOMOS/5.00L04
Start time of products	27MAY2010 00:02:23
Stop time of products	27MAY2010 23:54:28
Store outputs in DB	Yes
Nb of level 1b prods	120
Nb of prods with errors	1

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

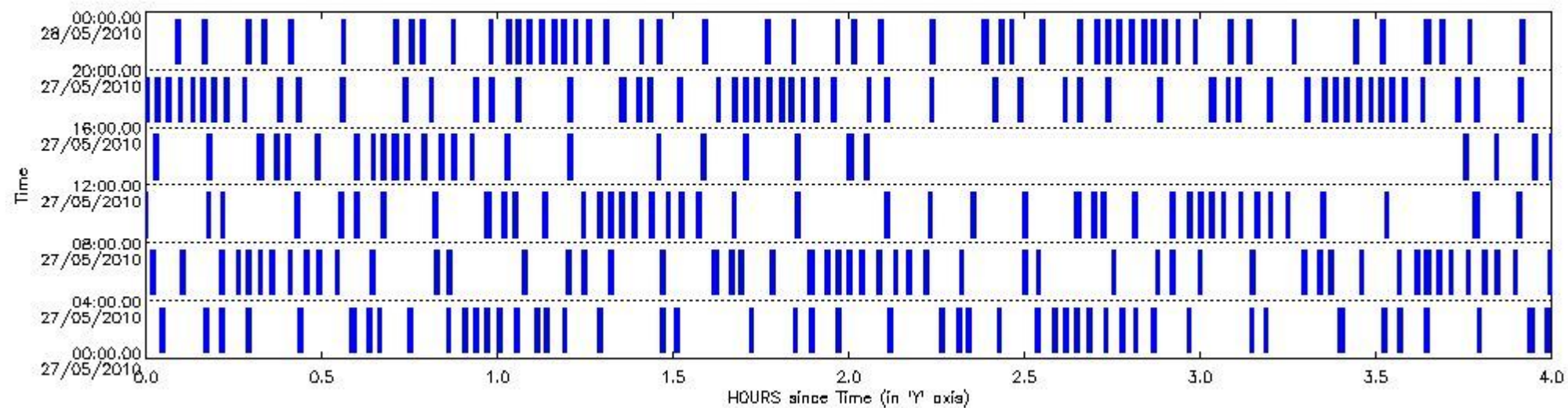
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
27-MAY-2010 00:34:55	DSA1035	0	43070
27-MAY-2010 00:37:49	BetGru	63	43071
27-MAY-2010 00:39:35	AlpGru	31	43071
27-MAY-2010 00:44:49	AlpPav	45	43071
27-MAY-2010 00:51:23	BetAra	141	43071
27-MAY-2010 00:54:14	TheSco	40	43071
27-MAY-2010 00:56:04	35LamSco	25	43071
27-MAY-2010 00:58:00	26EpsSco	75	43071
27-MAY-2010 01:00:07	23TauSco	136	43071
27-MAY-2010 01:03:05	8Bet1Sco	97	43071
27-MAY-2010 01:06:32	27BetLib	104	43071
27-MAY-2010 01:08:10	1DelOph	120	43071
27-MAY-2010 01:11:12	24AlpSer	102	43071
27-MAY-2010 01:17:14	5AlpCrB	67	43071
27-MAY-2010 01:28:01	14EtaDra	119	43071

27-MAY-2010 01:30:22	7BetUMi	60	43071
27-MAY-2010 01:43:08	27GamCas	76	43071
27-MAY-2010 01:50:39	43BetAnd	53	43071
27-MAY-2010 01:53:14	21AlpAnd	58	43071
27-MAY-2010 01:57:51	88GamPeg	140	43071
27-MAY-2010 02:06:44	16BetCet	52	43071
27-MAY-2010 02:15:32	DSA1035	0	43071
27-MAY-2010 02:18:26	BetGru	63	43072
27-MAY-2010 02:20:11	AlpGru	31	43072
27-MAY-2010 02:25:26	AlpPav	45	43072
27-MAY-2010 02:32:00	BetAra	141	43072
27-MAY-2010 02:34:50	TheSco	40	43072
27-MAY-2010 02:36:40	35LamSco	25	43072
27-MAY-2010 02:38:36	26EpsSco	75	43072
27-MAY-2010 02:40:43	23TauSco	136	43072
27-MAY-2010 02:43:41	8Bet1Sco	97	43072
27-MAY-2010 02:46:30	13ZetOph	98	43072
27-MAY-2010 02:48:45	1DelOph	120	43072
27-MAY-2010 02:51:48	24AlpSer	102	43072
27-MAY-2010 02:57:50	5AlpCrB	67	43072
27-MAY-2010 03:08:37	14EtaDra	119	43072
27-MAY-2010 03:10:58	7BetUMi	60	43072
27-MAY-2010 03:23:43	27GamCas	76	43072
27-MAY-2010 03:31:15	43BetAnd	53	43072
27-MAY-2010 03:33:51	21AlpAnd	58	43072
27-MAY-2010 03:38:28	88GamPeg	140	43072
27-MAY-2010 03:47:20	16BetCet	52	43072
27-MAY-2010 03:56:08	DSA1035	0	43072
27-MAY-2010 03:59:02	BetGru	63	43073
27-MAY-2010 04:00:48	AlpGru	31	43073
27-MAY-2010 04:06:03	AlpPav	45	43073
27-MAY-2010 04:12:36	BetAra	141	43073
27-MAY-2010 04:15:27	TheSco	40	43073
27-MAY-2010 04:17:17	35LamSco	25	43073
27-MAY-2010 04:19:12	26EpsSco	75	43073
27-MAY-2010 04:21:19	23TauSco	136	43073
27-MAY-2010 04:24:17	8Bet1Sco	97	43073
27-MAY-2010 04:27:06	13ZetOph	98	43073
27-MAY-2010 04:29:21	1DelOph	120	43073
27-MAY-2010 04:32:24	24AlpSer	102	43073
27-MAY-2010 04:38:26	5AlpCrB	67	43073
27-MAY-2010 04:49:13	14EtaDra	119	43073
27-MAY-2010 04:51:34	7BetUMi	60	43073
27-MAY-2010 05:04:19	27GamCas	76	43073
27-MAY-2010 05:11:51	43BetAnd	53	43073
27-MAY-2010 05:14:27	21AlpAnd	58	43073
27-MAY-2010 05:19:04	88GamPeg	140	43073
27-MAY-2010 05:27:57	16BetCet	52	43073
27-MAY-2010 05:36:45	DSA1035	0	43073
27-MAY-2010 05:39:39	BetGru	63	43074
27-MAY-2010 05:41:25	AlpGru	31	43074
27-MAY-2010 05:46:39	AlpPav	45	43074
27-MAY-2010 05:53:12	BetAra	141	43074
27-MAY-2010 05:56:03	TheSco	40	43074
27-MAY-2010 05:57:53	35LamSco	25	43074
27-MAY-2010 05:59:48	26EpsSco	75	43074
27-MAY-2010 06:01:55	23TauSco	136	43074
27-MAY-2010 06:04:54	8Bet1Sco	97	43074
27-MAY-2010 06:07:42	13ZetOph	98	43074

27-MAY-2010 06:09:57	1DelOph	120	43074
27-MAY-2010 06:13:00	24AlpSer	102	43074
27-MAY-2010 06:19:01	5AlpCrB	67	43074
27-MAY-2010 06:29:48	14EtaDra	119	43074
27-MAY-2010 06:32:10	7BetUMi	60	43074
27-MAY-2010 17:44:02	26EpsSco	75	43081
27-MAY-2010 17:46:09	23TauSco	136	43081
27-MAY-2010 17:48:19	7DelSco	80	43081
27-MAY-2010 17:49:57	35EtaOph	86	43081
27-MAY-2010 17:51:53	13ZetOph	98	43081
27-MAY-2010 17:54:08	1DelOph	120	43081
27-MAY-2010 17:57:11	24AlpSer	102	43081
27-MAY-2010 18:03:11	5AlpCrB	67	43081
27-MAY-2010 18:06:17	40ZetHer	133	43081
27-MAY-2010 18:13:57	14EtaDra	119	43081
27-MAY-2010 18:24:38	5AlpCep	89	43081
27-MAY-2010 18:29:06	27GamCas	76	43081
27-MAY-2010 18:36:40	43BetAnd	53	43081
27-MAY-2010 18:39:16	21AlpAnd	58	43081
27-MAY-2010 18:43:55	88GamPeg	140	43081
27-MAY-2010 18:52:48	16BetCet	52	43081
27-MAY-2010 19:01:37	DSA1035	0	43081
27-MAY-2010 19:04:33	BetGru	63	43082
27-MAY-2010 19:06:20	AlpGru	31	43082
27-MAY-2010 19:11:32	AlpPav	45	43082
27-MAY-2010 19:18:03	BetAra	141	43082
27-MAY-2010 19:20:55	TheSco	40	43082
27-MAY-2010 19:22:44	35LamSco	25	43082
27-MAY-2010 19:24:39	26EpsSco	75	43082
27-MAY-2010 19:26:45	23TauSco	136	43082
27-MAY-2010 19:28:55	7DelSco	80	43082
27-MAY-2010 19:30:33	35EtaOph	86	43082
27-MAY-2010 19:32:29	13ZetOph	98	43082
27-MAY-2010 19:34:44	1DelOph	120	43082
27-MAY-2010 19:37:46	24AlpSer	102	43082
27-MAY-2010 19:43:47	5AlpCrB	67	43082
27-MAY-2010 19:46:52	40ZetHer	133	43082
27-MAY-2010 19:54:33	14EtaDra	119	43082
27-MAY-2010 20:05:13	5AlpCep	89	43082
27-MAY-2010 20:09:42	27GamCas	76	43082
27-MAY-2010 20:17:16	43BetAnd	53	43082
27-MAY-2010 20:19:52	21AlpAnd	58	43082
27-MAY-2010 20:24:31	88GamPeg	140	43082
27-MAY-2010 20:33:25	16BetCet	52	43082
27-MAY-2010 20:42:14	DSA1035	0	43082
27-MAY-2010 20:45:10	BetGru	63	43083
27-MAY-2010 20:46:56	AlpGru	31	43083
27-MAY-2010 20:52:09	AlpPav	45	43083
27-MAY-2010 20:58:39	BetAra	141	43083
27-MAY-2010 21:01:31	TheSco	40	43083
27-MAY-2010 21:03:21	35LamSco	25	43083
27-MAY-2010 21:05:15	26EpsSco	75	43083
27-MAY-2010 21:07:21	23TauSco	136	43083
27-MAY-2010 21:09:31	7DelSco	80	43083
27-MAY-2010 21:11:09	35EtaOph	86	43083
27-MAY-2010 21:13:05	13ZetOph	98	43083
27-MAY-2010 21:15:20	1DelOph	120	43083
27-MAY-2010 21:18:22	24AlpSer	102	43083
27-MAY-2010 21:24:23	5AlpCrB	67	43083

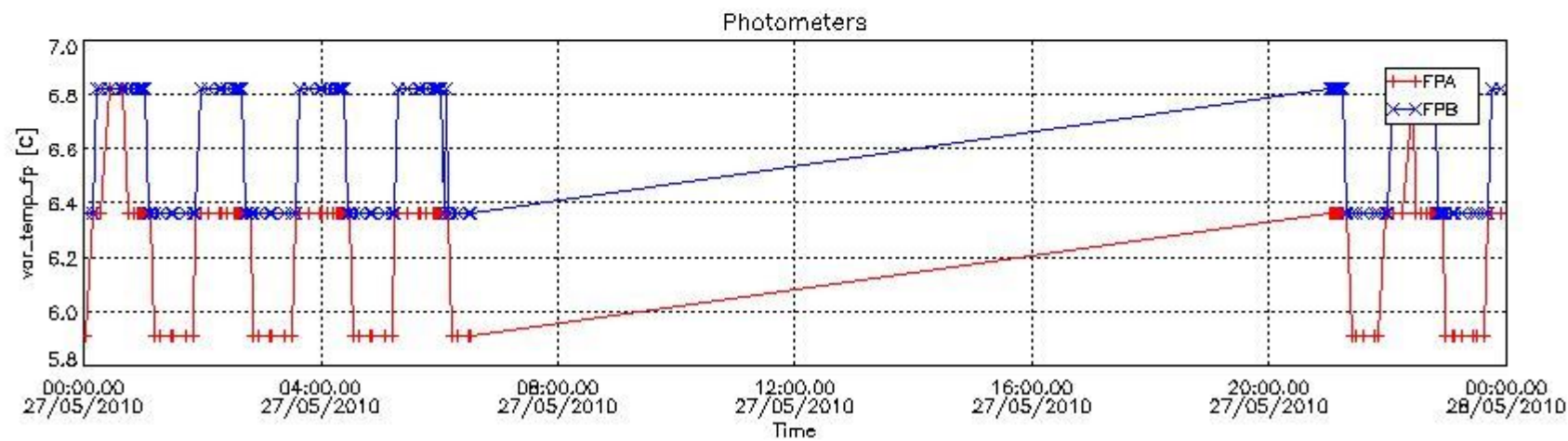
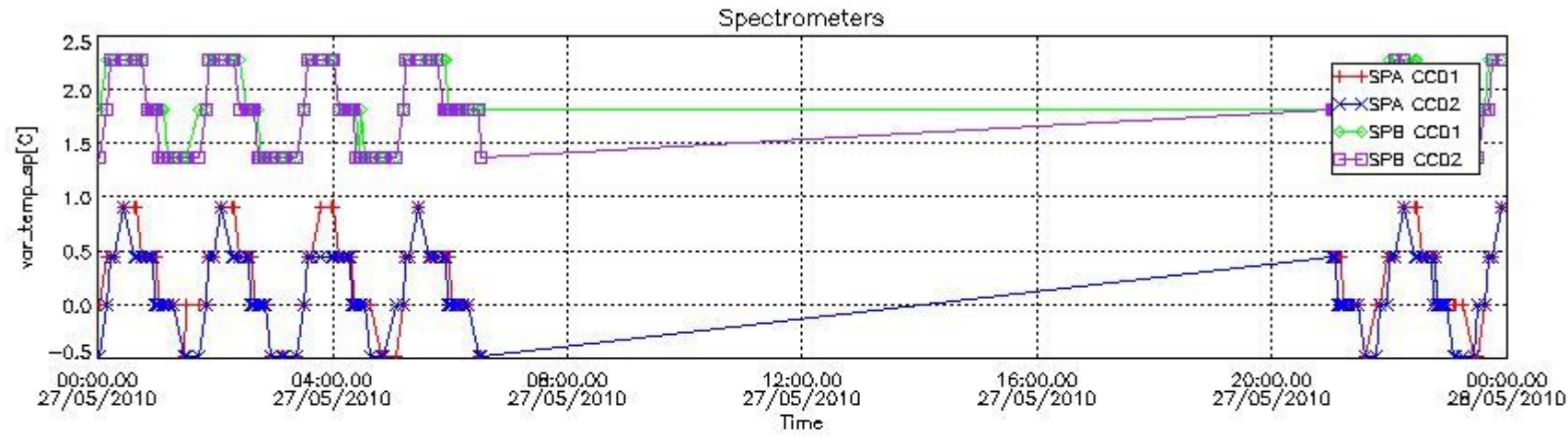
27-MAY-2010 21:27:27	40ZetHer	133	43083
27-MAY-2010 21:35:08	14EtaDra	119	43083
27-MAY-2010 21:45:49	5AlpCep	89	43083
27-MAY-2010 21:50:18	27GamCas	76	43083
27-MAY-2010 21:57:52	43BetAnd	53	43083
27-MAY-2010 22:00:28	21AlpAnd	58	43083
27-MAY-2010 22:05:08	88GamPeg	140	43083
27-MAY-2010 22:14:01	16BetCet	52	43083
27-MAY-2010 22:22:50	DSA1035	0	43083
27-MAY-2010 22:25:46	BetGru	63	43084
27-MAY-2010 22:27:33	AlpGru	31	43084
27-MAY-2010 22:32:46	AlpPav	45	43084
27-MAY-2010 22:39:16	BetAra	141	43084
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27-MAY-2010 22:43:57	35LamSco	25	43084
27-MAY-2010 22:45:51	26EpsSco	75	43084
27-MAY-2010 22:47:57	23TauSco	136	43084
27-MAY-2010 22:50:07	7DelSco	80	43084
27-MAY-2010 22:51:45	35EtaOph	86	43084
27-MAY-2010 22:53:41	13ZetOph	98	43084
27-MAY-2010 22:55:56	1DelOph	120	43084
27-MAY-2010 22:58:58	24AlpSer	102	43084
27-MAY-2010 23:04:59	5AlpCrB	67	43084
27-MAY-2010 23:08:03	40ZetHer	133	43084
27-MAY-2010 23:15:44	14EtaDra	119	43084
27-MAY-2010 23:26:24	5AlpCep	89	43084
27-MAY-2010 23:30:54	27GamCas	76	43084
27-MAY-2010 23:38:28	43BetAnd	53	43084
27-MAY-2010 23:41:04	21AlpAnd	58	43084
27-MAY-2010 23:45:44	88GamPeg	140	43084
27-MAY-2010 23:54:38	16BetCet	52	43084

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_1PNPDE20100527_000223_000000402089_00431_43070_4376.N1	27-MAY-2010 00:02:23	Bright	40.000	76	27Gam Cas	2.3000	30000.	80	43070	No
2	GOM_TRA_1PNPDE20100527_000954_000000412089_00431_43070_4377.N1	27-MAY-2010 00:09:54	Bright	41.000	53	43Bet And	2.0480	3300.0	82	43070	No
3	GOM_TRA_1PNPDE20100527_001229_000000512089_00431_43070_4378.N1	27-MAY-2010 00:12:29	Twilight	50.500	58	21Alp And	2.0730	11000.	101	43070	No
4	GOM_TRA_1PNPDE20100527_001706_000000492089_00431_43070_4379.N1	27-MAY-2010 00:17:06	Dark	48.500	140	88Gam Peg	2.8340	26000.	97	43070	No
5	GOM_TRA_1PNPDE20100527_002559_000000452089_00431_43070_4381.N1	27-MAY-2010 00:25:59	Dark	44.500	52	16Bet Cet	2.0370	4500.0	89	43070	Yes
6	GOM_TRA_1PNPDE20100527_003740_000000492089_00432_43071_4382.N1	27-MAY-2010 00:37:40	Dark	48.500	63	Bet Gru	2.1500	2800.0	97	43071	No
7	GOM_TRA_1PNPDE20100527_003926_000000462089_00432_43071_4383.N1	27-MAY-2010 00:39:26	Dark	46.000	31	Alp Gru	1.7340	15200.	92	43071	No
8	GOM_TRA_1PNPDE20100527_004440_000000432089_00432_43071_4384.N1	27-MAY-2010 00:44:40	Dark	43.000	45	Alp Pav	1.9400	26000.	86	43071	No
9	GOM_TRA_1PNPDE20100527_005114_000000452089_00432_43071_4385.N1	27-MAY-2010 00:51:14	Straylight	45.000	141	Bet Ara	2.8400	4600.0	90	43071	No
10	GOM_TRA_1PNPDE20100527_005405_000000492089_00432_43071_4386.N1	27-MAY-2010 00:54:05	Straylight	48.500	40	The Sco	1.8590	7100.0	97	43071	No
11	GOM_TRA_1PNPDE20100527_005555_000000502089_00432_43071_4387.N1	27-MAY-2010 00:55:55	Straylight	50.000	25	35Lam Sco	1.6200	28000.	100	43071	No
12	GOM_TRA_1PNPDE20100527_005751_000000462089_00432_43071_4388.N1	27-MAY-2010 00:57:51	Twilight	46.000	75	26Eps Sco	2.2910	4250.0	92	43071	No
13	GOM_TRA_1PNPDE20100527_005958_000000432089_00432_43071_4389.N1	27-MAY-2010 00:59:58	Twilight	43.000	136	23Tau Sco	2.8220	30000.	86	43071	No
14	GOM_TRA_1PNPDE20100527_010256_000000412089_00432_43071_4390.N1	27-MAY-2010 01:02:56	Bright	41.000	97	8Bet1Sco	2.5610	30000.	82	43071	No
15	GOM_TRA_1PNPDE20100527_010623_000000382089_00432_43071_4391.N1	27-MAY-2010 01:06:23	Bright	37.500	104	27Bet Lib	2.6140	13100.	75	43071	No
16	GOM_TRA_1PNPDE20100527_010801_000000422089_00432_43071_4392.N1	27-MAY-2010 01:08:01	Bright	42.000	120	1Del Oph	2.7340	3200.0	84	43071	No
17	GOM_TRA_1PNPDE20100527_011103_000000392089_00432_43071_4393.N1	27-MAY-2010 01:11:03	Bright	39.000	102	24Alp Ser	2.6000	4250.0	78	43071	No
18	GOM_TRA_1PNPDE20100527_011705_000000402089_00432_43071_4394.N1	27-MAY-2010 01:17:05	Bright	40.000	67	5Alp CrB	2.2210	11000.	80	43071	No
19	GOM_TRA_1PNPDE20100527_012752_000000392089_00432_43071_4395.N1	27-MAY-2010 01:27:52	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	43071	No
20	GOM_TRA_1PNPDE20100527_013013_000000382089_00432_43071_4396.N1	27-MAY-2010 01:30:13	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	43071	No
21	GOM_TRA_1PNPDE20100527_014259_000000382089_00432_43071_4397.N1	27-MAY-2010 01:42:59	Bright	37.500	76	27Gam Cas	2.3000	30000.	75	43071	No
22	GOM_TRA_1PNPDE20100527_015030_000000422089_00432_43071_4398.N1	27-MAY-2010 01:50:30	Bright	41.500	53	43Bet And	2.0480	3300.0	83	43071	No
23	GOM_TRA_1PNPDE20100527_015305_000000522089_00432_43071_4399.N1	27-MAY-2010 01:53:05	Twilight	52.000	58	21Alp And	2.0730	11000.	104	43071	No

83	GOM_TRA_1PNPDE20100527_210506_000000472089_00444_43083_4579.N1	27-MAY-2010 21:05:06	Twilight	46.500	75	26Eps Sco	2.2910	4250.0	93	43083	No
84	GOM_TRA_1PNPDE20100527_210713_000000452089_00444_43083_4580.N1	27-MAY-2010 21:07:13	Twilight	44.500	136	23Tau Sco	2.8220	30000.	89	43083	No
85	GOM_TRA_1PNPDE20100527_210922_000000422089_00444_43083_4581.N1	27-MAY-2010 21:09:22	Bright	42.000	80	7Del Sco	2.3160	30000.	84	43083	No
86	GOM_TRA_1PNPDE20100527_211100_000000492089_00444_43083_4582.N1	27-MAY-2010 21:11:00	Bright	48.500	86	35Eta Oph	2.4300	10200.	97	43083	No
87	GOM_TRA_1PNPDE20100527_211256_000000452089_00444_43083_4583.N1	27-MAY-2010 21:12:56	Bright	44.500	98	13Zet Oph	2.5710	30000.	89	43083	No
88	GOM_TRA_1PNPDE20100527_211512_000000412089_00444_43083_4584.N1	27-MAY-2010 21:15:12	Bright	41.000	120	1Del Oph	2.7340	3200.0	82	43083	No
89	GOM_TRA_1PNPDE20100527_211813_000000392089_00444_43083_4585.N1	27-MAY-2010 21:18:13	Bright	38.500	102	24Alp Ser	2.6000	4250.0	77	43083	No
90	GOM_TRA_1PNPDE20100527_212414_000000382089_00444_43083_4586.N1	27-MAY-2010 21:24:14	Bright	38.000	67	5Alp CrB	2.2210	11000.	76	43083	No
91	GOM_TRA_1PNPDE20100527_212719_000000472089_00444_43083_4587.N1	27-MAY-2010 21:27:19	Bright	46.500	133	40Zet Her	2.8070	6000.0	93	43083	No
92	GOM_TRA_1PNPDE20100527_213500_000000422089_00444_43083_4588.N1	27-MAY-2010 21:35:00	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	43083	No
93	GOM_TRA_1PNPDE20100527_214540_000000492089_00444_43083_4589.N1	27-MAY-2010 21:45:40	Bright	49.000	89	5Alp Cep	2.4510	8000.0	98	43083	No
94	GOM_TRA_1PNPDE20100527_215009_000000372089_00444_43083_4590.N1	27-MAY-2010 21:50:09	Bright	37.000	76	27Gam Cas	2.3000	30000.	74	43083	No
95	GOM_TRA_1PNPDE20100527_215743_000000412089_00444_43083_4591.N1	27-MAY-2010 21:57:43	Bright	40.500	53	43Bet And	2.0480	3300.0	81	43083	No
96	GOM_TRA_1PNPDE20100527_220019_000000512089_00444_43083_4592.N1	27-MAY-2010 22:00:19	Twilight	50.500	58	21Alp And	2.0730	11000.	101	43083	No
97	GOM_TRA_1PNPDE20100527_220459_000000492089_00444_43083_4593.N1	27-MAY-2010 22:04:59	Dark	49.000	140	88Gam Peg	2.8340	26000.	98	43083	No
98	GOM_TRA_1PNPDE20100527_221353_000000462089_00444_43083_4604.N1	27-MAY-2010 22:13:53	Dark	45.500	52	16Bet Cet	2.0370	4500.0	91	43083	No
99	GOM_TRA_1PNPDE20100527_222537_000000452089_00445_43084_4605.N1	27-MAY-2010 22:25:37	Dark	45.000	63	Bet Gru	2.1500	2800.0	90	43084	No
100	GOM_TRA_1PNPDE20100527_222725_000000452089_00445_43084_4606.N1	27-MAY-2010 22:27:25	Dark	45.000	31	Alp Gru	1.7340	15200.	90	43084	No
101	GOM_TRA_1PNPDE20100527_223237_000000432089_00445_43084_4607.N1	27-MAY-2010 22:32:37	Dark	42.500	45	Alp Pav	1.9400	26000.	85	43084	No
102	GOM_TRA_1PNPDE20100527_223907_000000442089_00445_43084_4608.N1	27-MAY-2010 22:39:07	Straylight	44.000	141	Bet Ara	2.8400	4600.0	88	43084	No
103	GOM_TRA_1PNPDE20100527_224159_000000452089_00445_43084_4609.N1	27-MAY-2010 22:41:59	Straylight	45.000	40	The Sco	1.8590	7100.0	90	43084	No
104	GOM_TRA_1PNPDE20100527_224348_000000502089_00445_43084_4610.N1	27-MAY-2010 22:43:48	Twilight	50.000	25	35Lam Sco	1.6200	28000.	100	43084	No
105	GOM_TRA_1PNPDE20100527_224542_000000502089_00445_43084_4611.N1	27-MAY-2010 22:45:42	Twilight	49.500	75	26Eps Sco	2.2910	4250.0	99	43084	No
106	GOM_TRA_1PNPDE20100527_224749_000000452089_00445_43084_4612.N1	27-MAY-2010 22:47:49	Twilight	44.500	136	23Tau Sco	2.8220	30000.	89	43084	No
107	GOM_TRA_1PNPDE20100527_224958_000000432089_00445_43084_4613.N1	27-MAY-2010 22:49:58	Bright	42.500	80	7Del Sco	2.3160	30000.	85	43084	No
108	GOM_TRA_1PNPDE20100527_225136_000000492089_00445_43084_4614.N1	27-MAY-2010 22:51:36	Bright	48.500	86	35Eta Oph	2.4300	10200.	97	43084	No
109	GOM_TRA_1PNPDE20100527_225332_000000442089_00445_43084_4615.N1	27-MAY-2010 22:53:32	Bright	44.000	98	13Zet Oph	2.5710	30000.	88	43084	No
110	GOM_TRA_1PNPDE20100527_225547_000000422089_00445_43084_4616.N1	27-MAY-2010 22:55:47	Bright	41.500	120	1Del Oph	2.7340	3200.0	83	43084	No
111	GOM_TRA_1PNPDE20100527_225849_000000392089_00445_43084_4617.N1	27-MAY-2010 22:58:49	Bright	39.000	102	24Alp Ser	2.6000	4250.0	78	43084	No
112	GOM_TRA_1PNPDE20100527_230450_000000392089_00445_43084_4618.N1	27-MAY-2010 23:04:50	Bright	38.500	67	5Alp CrB	2.2210	11000.	77	43084	No
113	GOM_TRA_1PNPDE20100527_230754_000000452089_00445_43084_4619.N1	27-MAY-2010 23:07:54	Bright	44.500	133	40Zet Her	2.8070	6000.0	89	43084	No
114	GOM_TRA_1PNPDE20100527_231535_000000402089_00445_43084_4620.N1	27-MAY-2010 23:15:35	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	43084	No
115	GOM_TRA_1PNPDE20100527_232615_000000482089_00445_43084_4621.N1	27-MAY-2010 23:26:15	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	43084	No
116	GOM_TRA_1PNPDE20100527_233045_000000502089_00445_43084_4622.N1	27-MAY-2010 23:30:45	Bright	50.000	76	27Gam Cas	2.3000	30000.	100	43084	No
117	GOM_TRA_1PNPDE20100527_233818_000000552089_00445_43084_4623.N1	27-MAY-2010 23:38:18	Bright	55.000	53	43Bet And	2.0480	3300.0	110	43084	No
118	GOM_TRA_1PNPDE20100527_234055_000000502089_00445_43084_4624.N1	27-MAY-2010 23:40:55	Twilight	49.500	58	21Alp And	2.0730	11000.	99	43084	No
119	GOM_TRA_1PNPDE20100527_234535_000000472089_00445_43084_4625.N1	27-MAY-2010 23:45:35	Dark	47.000	140	88Gam Peg	2.8340	26000.	94	43084	No
120	GOM_TRA_1PNPDE20100527_235428_000000482089_00445_43084_4623.N1	27-MAY-2010 23:54:28	Dark	47.500	52	16Bet Cet	2.0370	4500.0	95	43084	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).

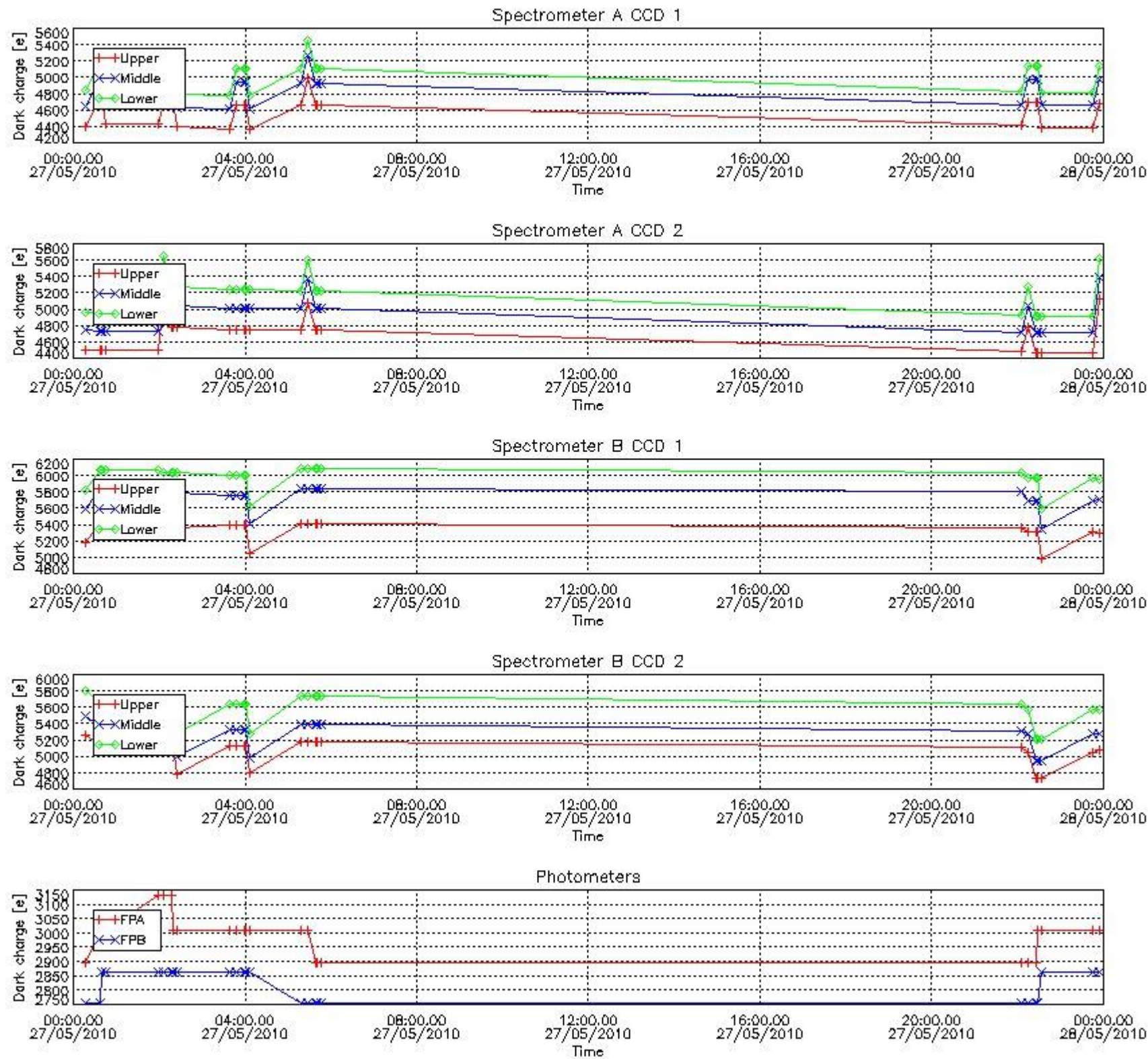
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20100527_210122_000000492089_00444_43083_4577.N1	DC map used
GOM_TRA_1PNPDE20100527_210312_000000472089_00444_43083_4578.N1	DC map used
GOM_TRA_1PNPDE20100527_210506_000000472089_00444_43083_4579.N1	DC map used
GOM_TRA_1PNPDE20100527_210713_000000452089_00444_43083_4580.N1	DC map used
GOM_TRA_1PNPDE20100527_210922_000000422089_00444_43083_4581.N1	DC map used
GOM_TRA_1PNPDE20100527_211100_000000492089_00444_43083_4582.N1	DC map used
GOM_TRA_1PNPDE20100527_211256_000000452089_00444_43083_4583.N1	DC map used
GOM_TRA_1PNPDE20100527_211512_000000412089_00444_43083_4584.N1	DC map used
GOM_TRA_1PNPDE20100527_211813_000000392089_00444_43083_4585.N1	DC map used
GOM_TRA_1PNPDE20100527_212414_000000382089_00444_43083_4586.N1	DC map used
GOM_TRA_1PNPDE20100527_212719_000000472089_00444_43083_4587.N1	DC map used
GOM_TRA_1PNPDE20100527_213500_000000422089_00444_43083_4588.N1	DC map used
GOM_TRA_1PNPDE20100527_214540_000000492089_00444_43083_4589.N1	DC map used
GOM_TRA_1PNPDE20100527_215009_000000372089_00444_43083_4590.N1	DC map used

GOM_TRA_1PNPDE20100527_215743_000000412089_00444_43083_4591.N1	DC map used
GOM_TRA_1PNPDE20100527_220019_000000512089_00444_43083_4592.N1	DC map used
GOM_TRA_1PNPDE20100527_220459_000000492089_00444_43083_4593.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

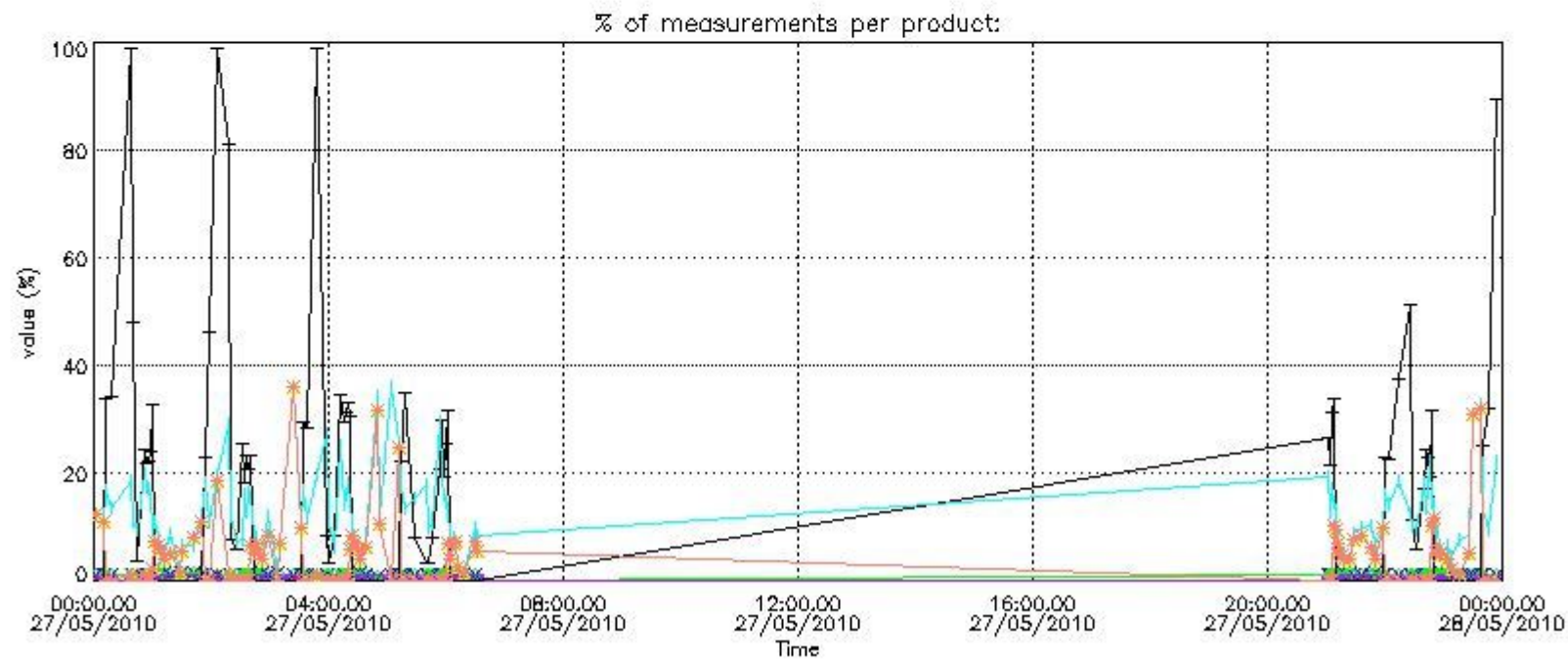
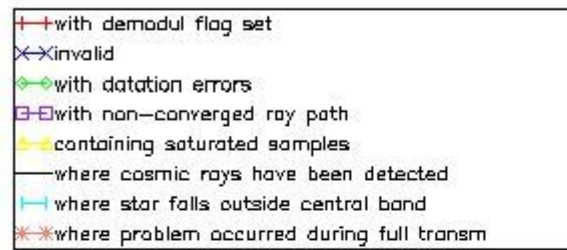
In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors

(error flag in the MPH set to "0") are used.

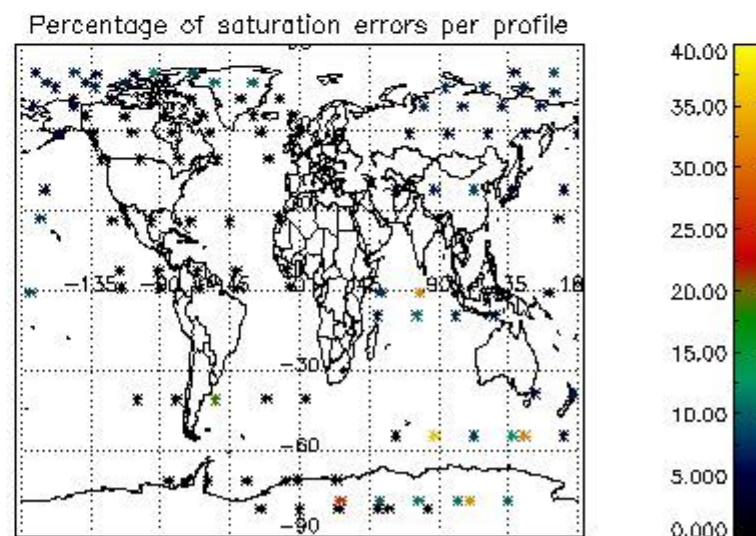
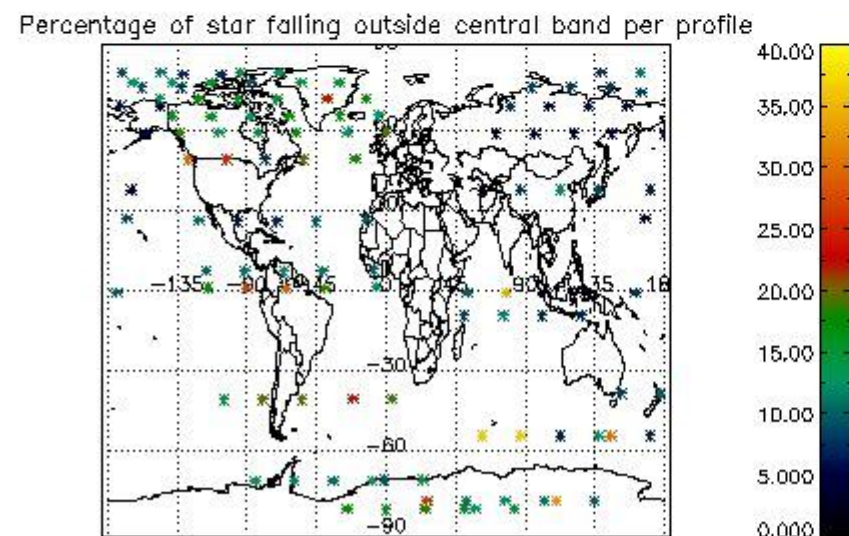
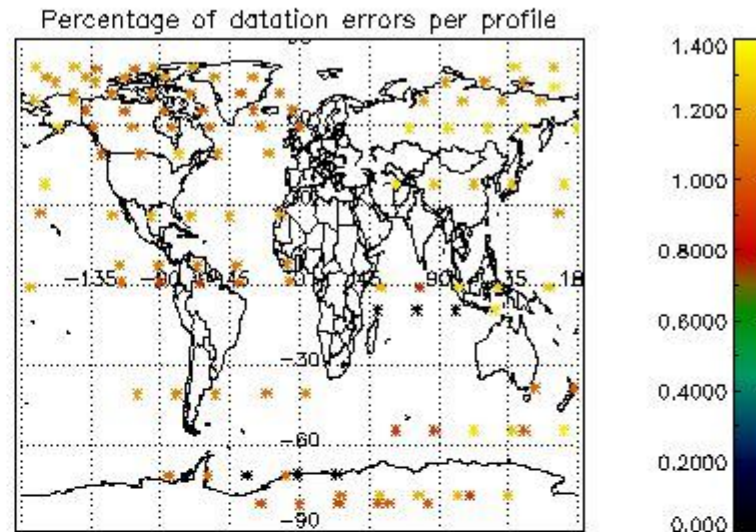
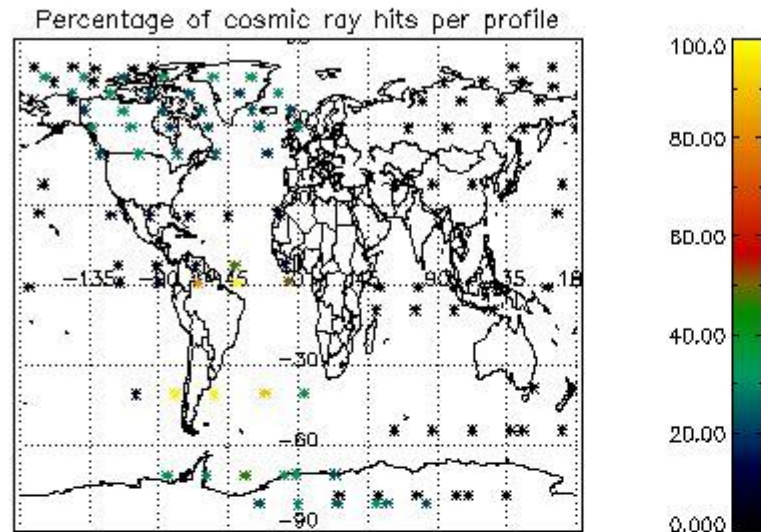
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	45.3782 %
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)



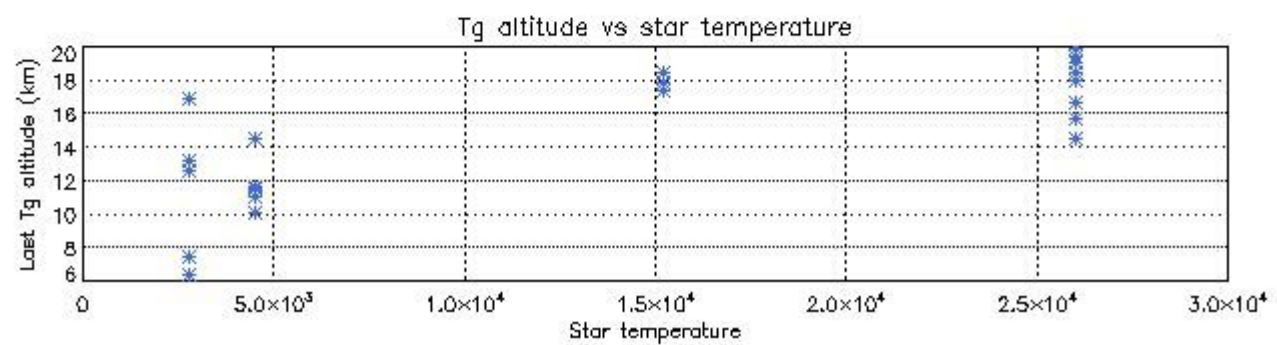
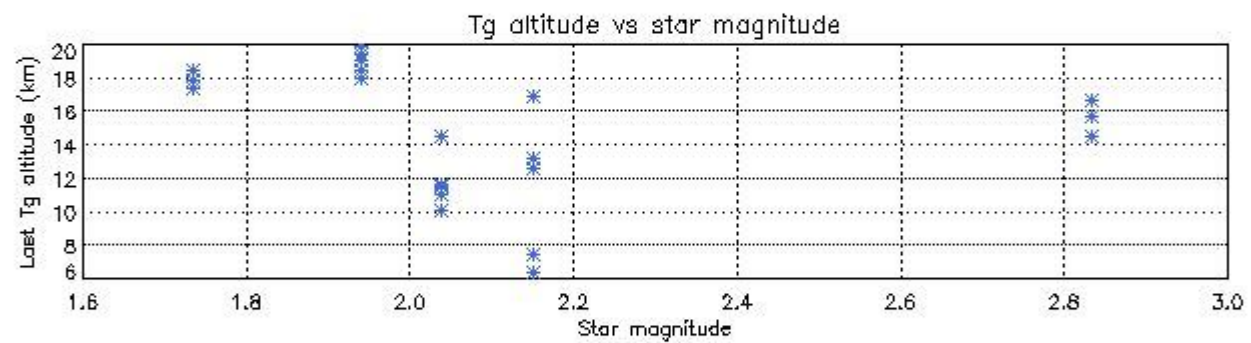
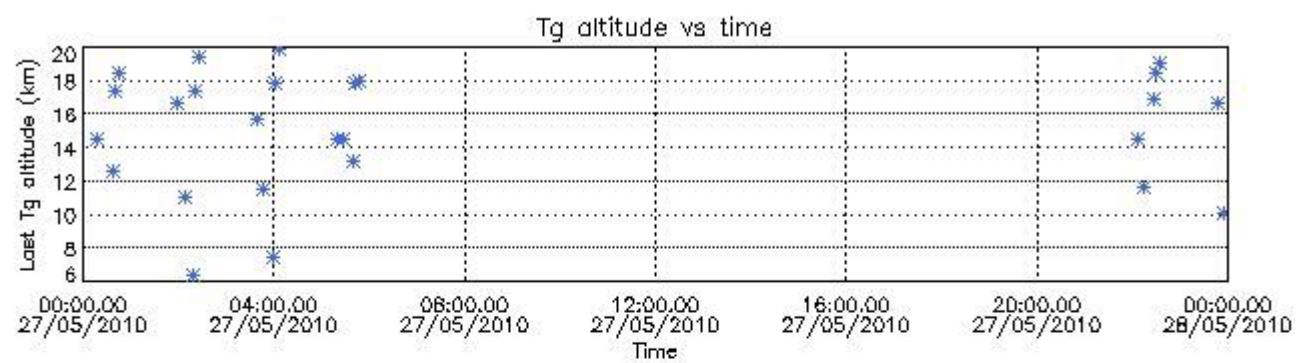
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.053	18.405	NaN
St. deviation:	3.6684	4.9406	NaN
Maximum:	19.836	24.939	NaN
Minimum:	6.3607	3.2199	NaN
Number of data:	26.000	58.000	NaN

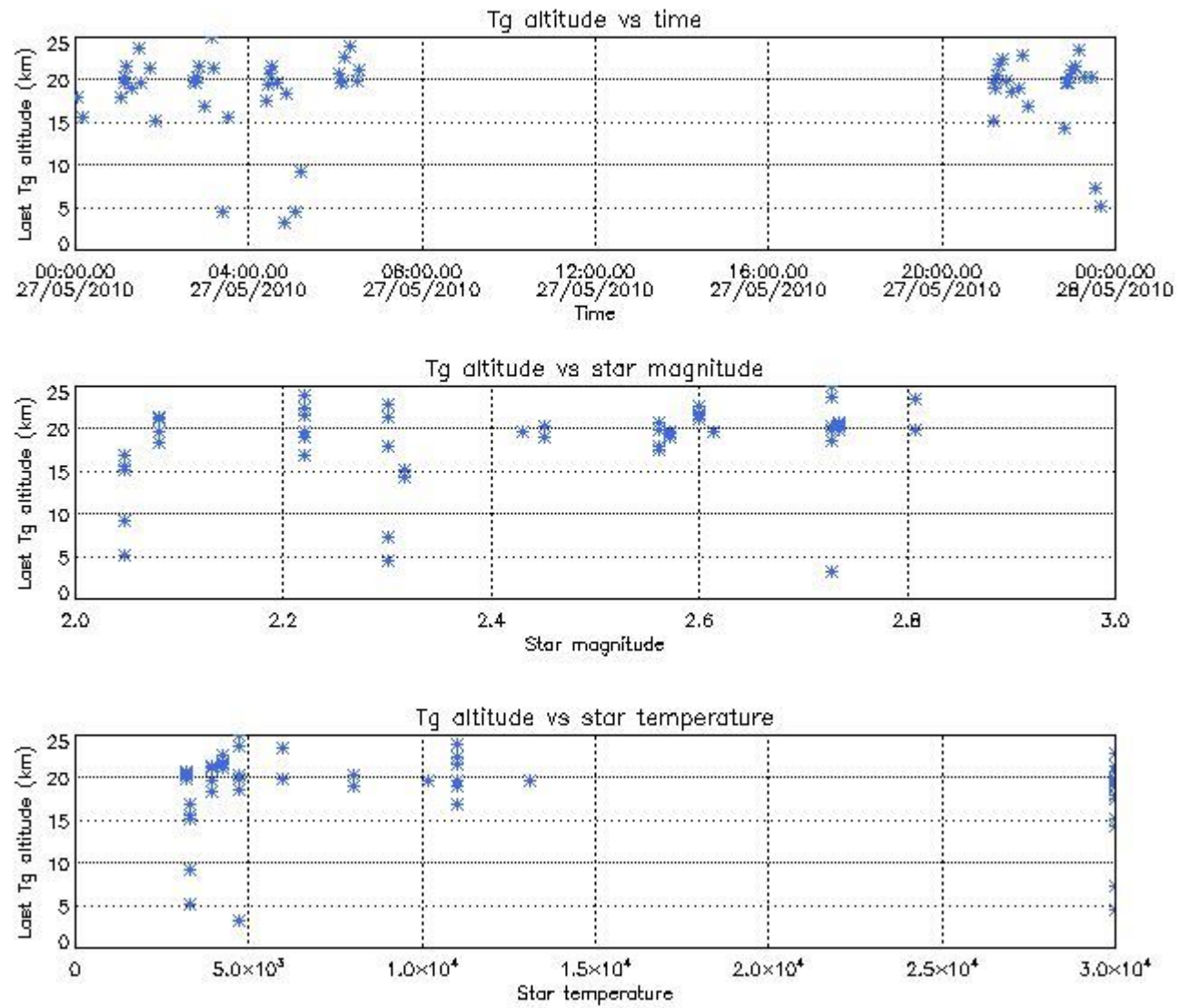
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

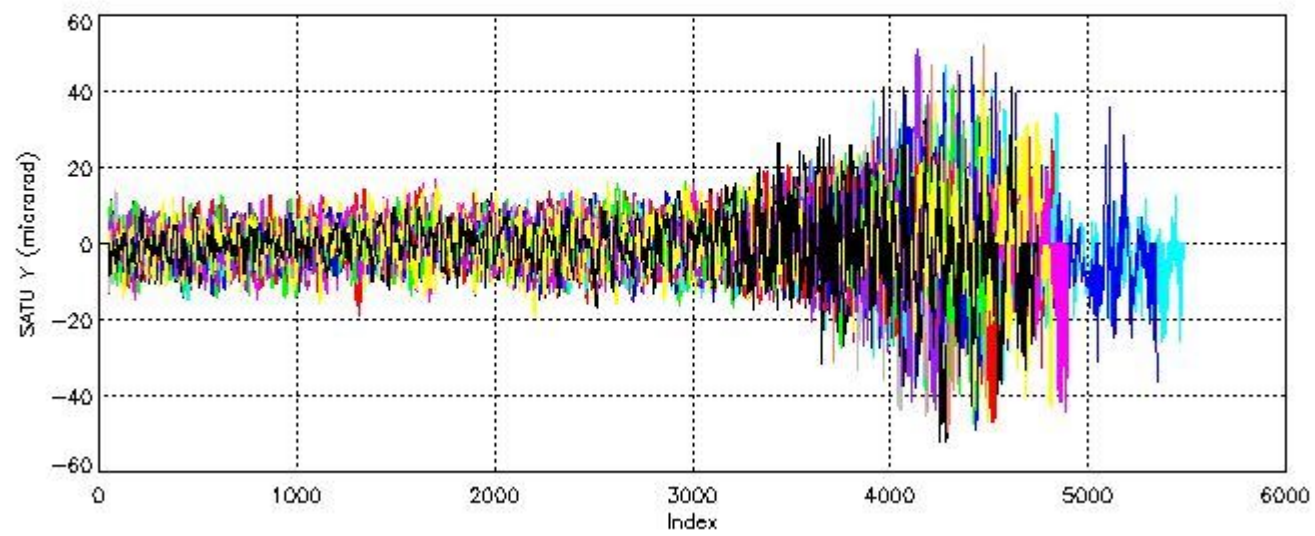
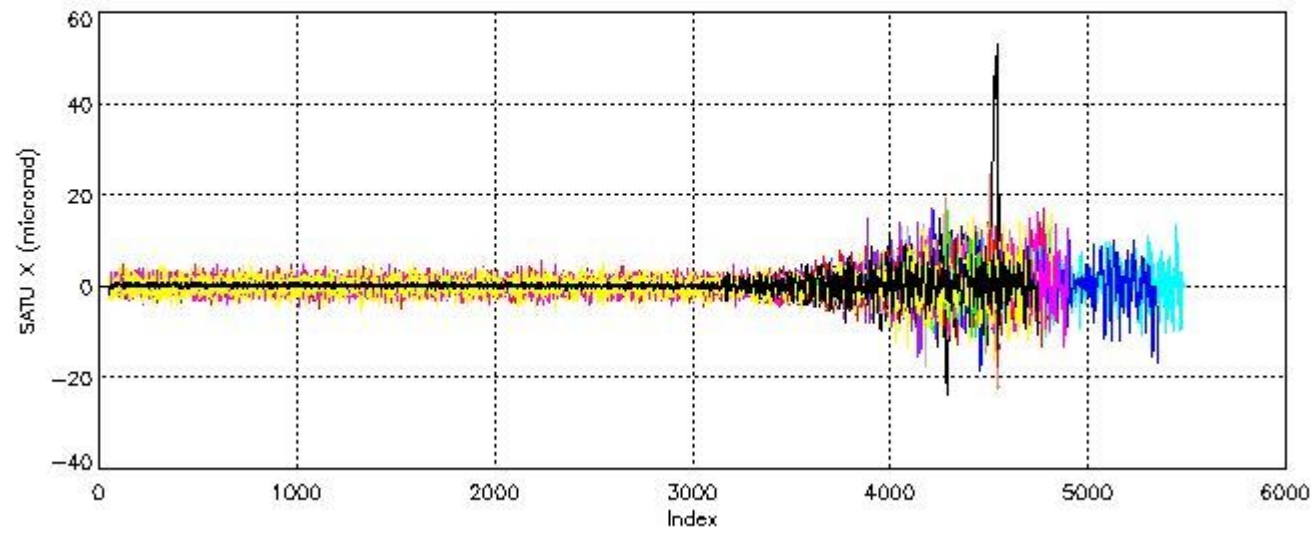


7. Star Acquisition and Tracking Unit (SATU)

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:	0.14596	-0.73629	0.21475	-0.76801
St. deviation:	0.61512	3.9818	0.73861	3.9214
Maximum:	4.9000	13.500	4.7000	18.100
Minimum:	-4.4000	-15.000	-4.3000	-20.400

Number of data:	26150.	26150.	55450.	55450.
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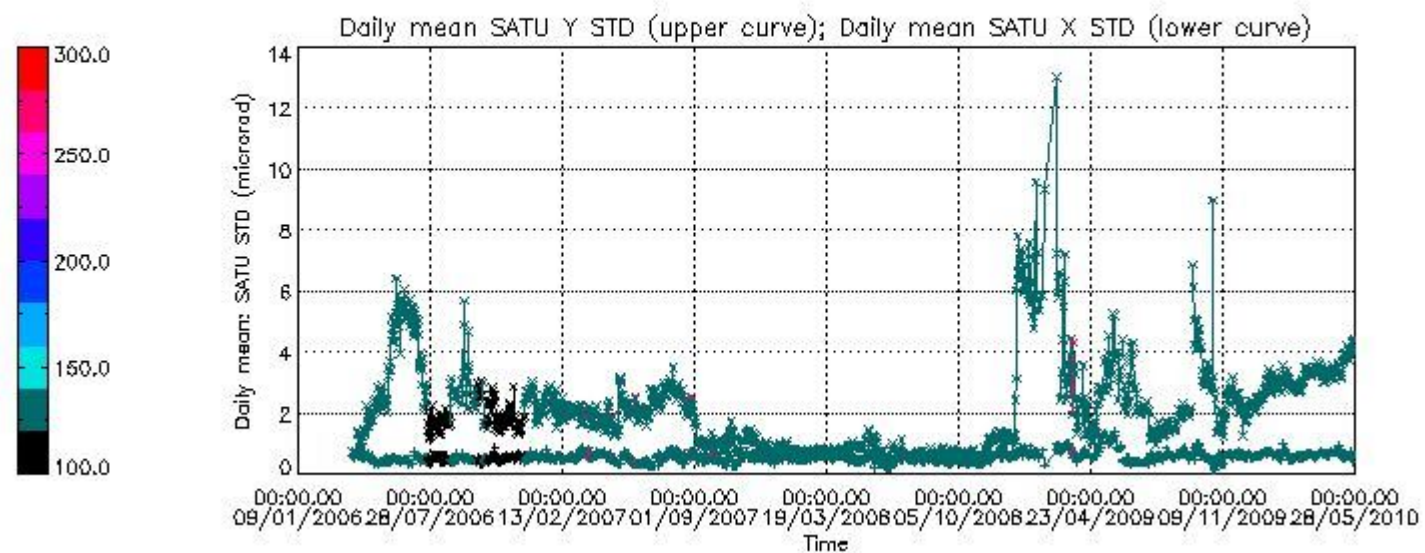
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

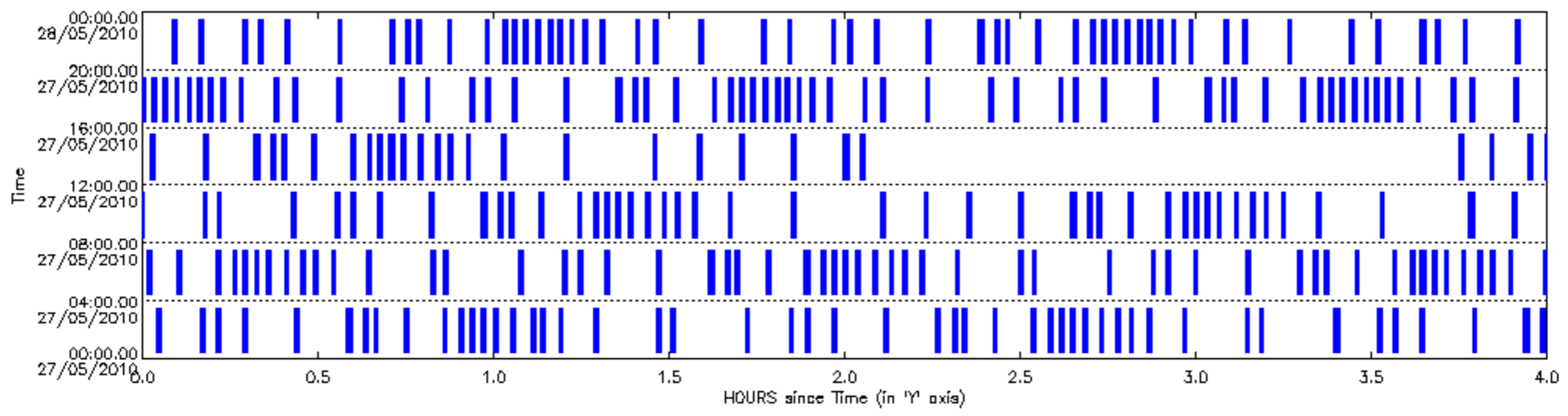
Lower curve: STD of SATU X axis

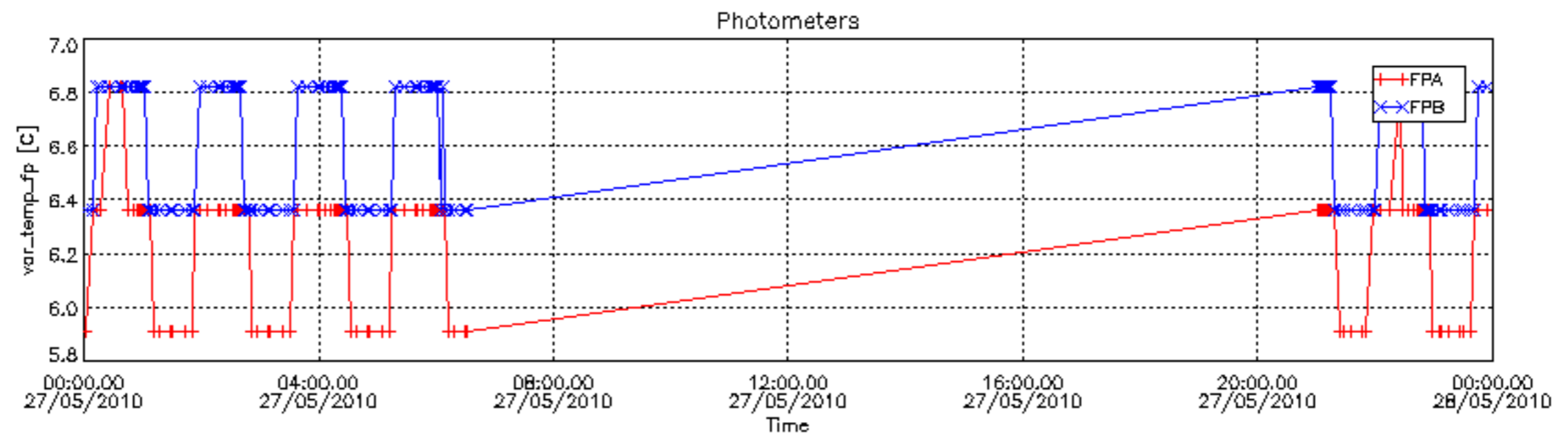
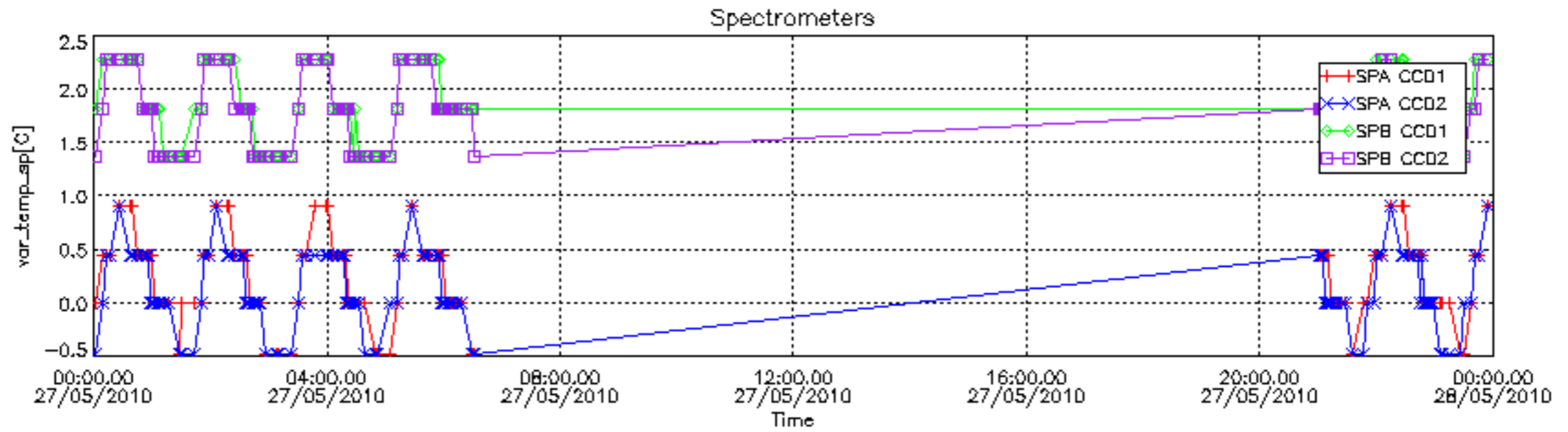


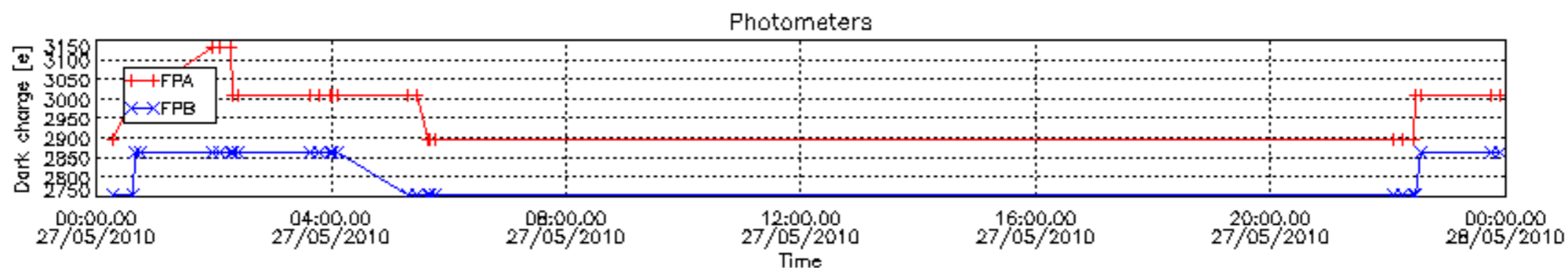
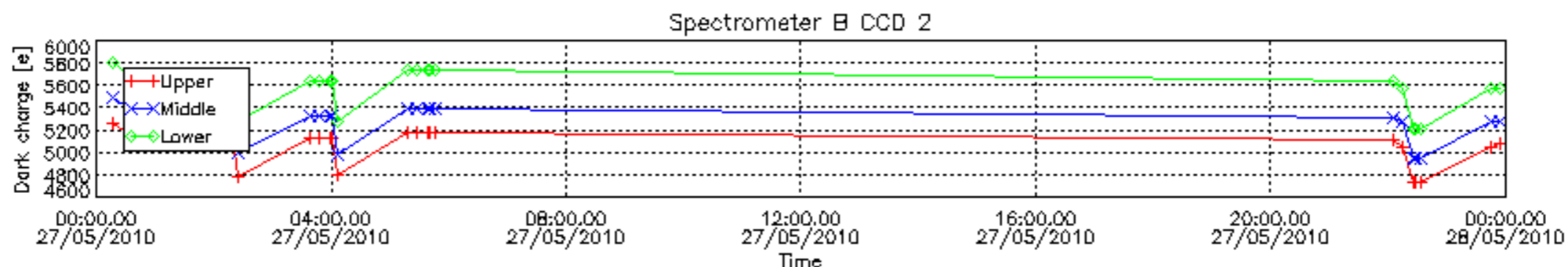
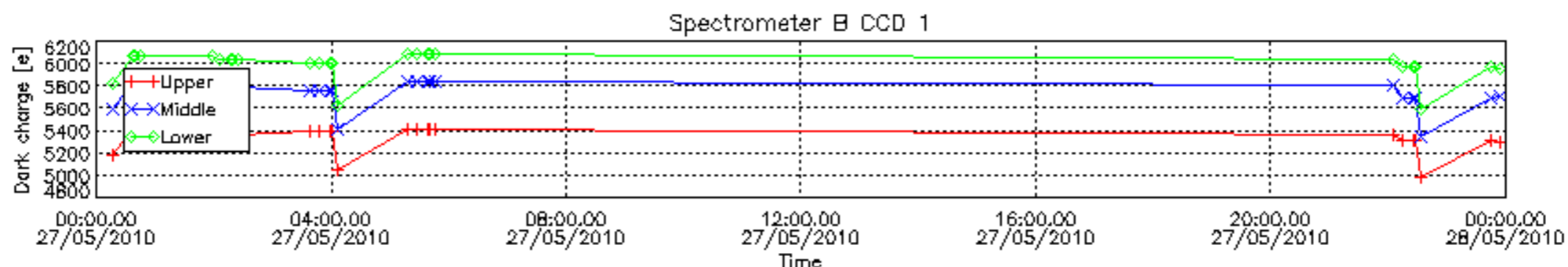
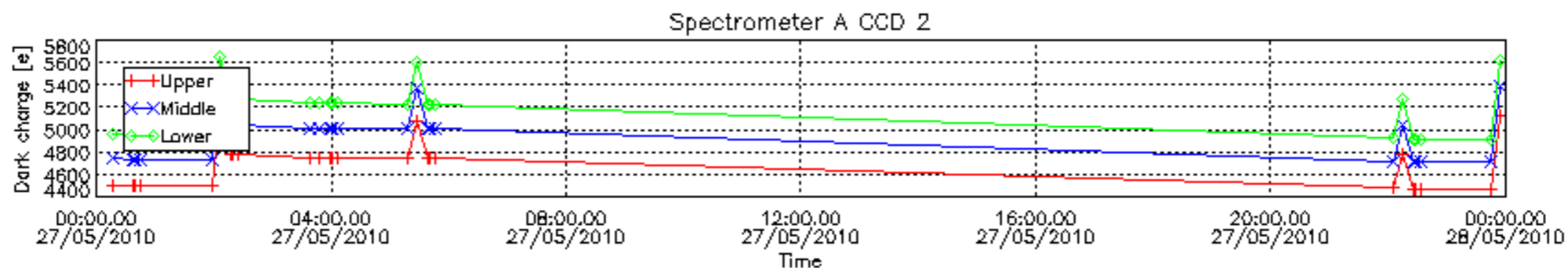
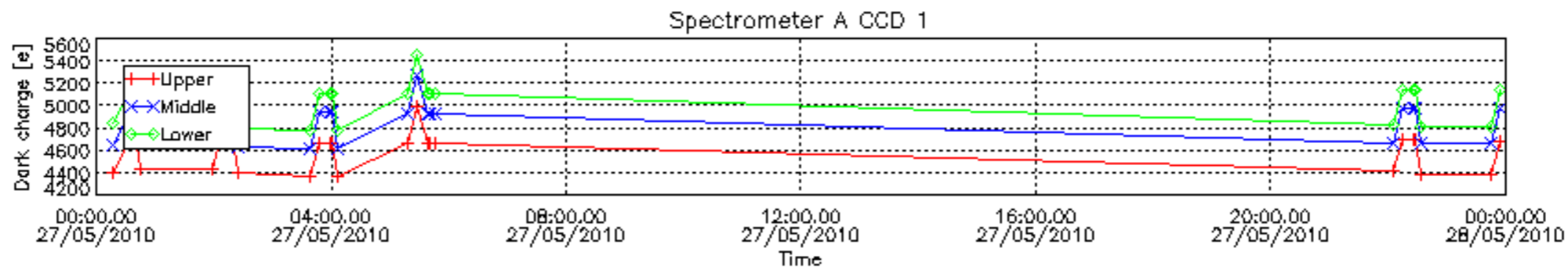
8. Auxiliary Data Files used for the production reported in section 2.4

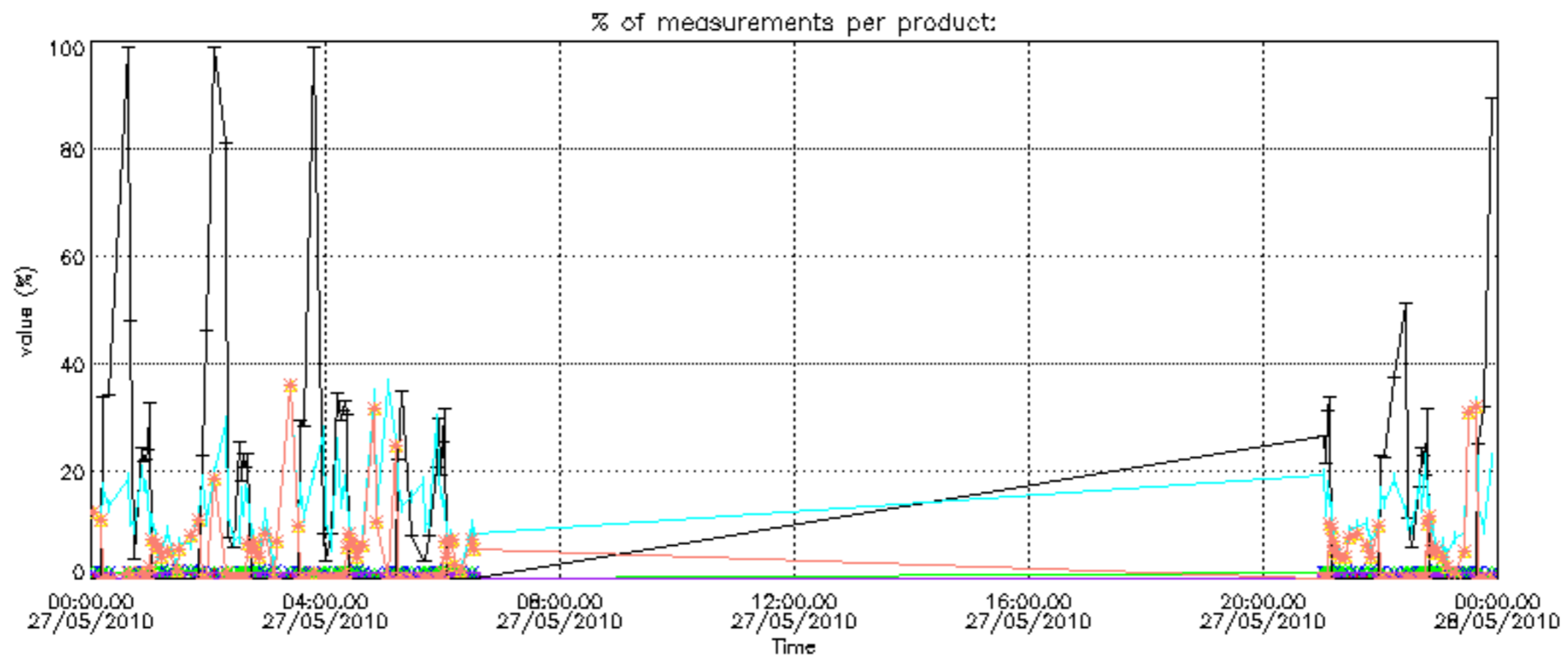
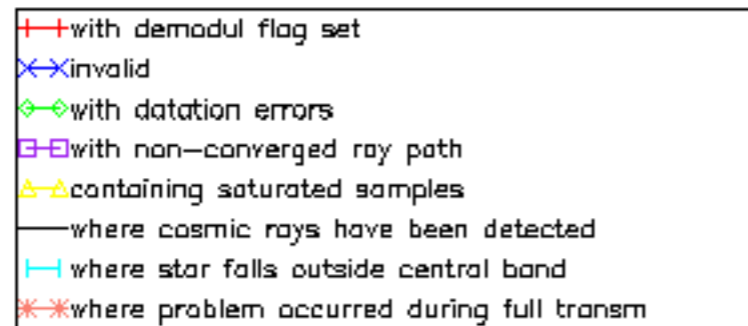
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	27-MAY-2010 00:02:23
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100526_084407_20100525_000000_20500101_000000	1	27-MAY-2010 00:02:23
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	27-MAY-2010 00:02:23
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	27-MAY-2010 00:02:23
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	27-MAY-2010 00:02:23
ECMWF_FILE	AUX_ECF_AXNECM20100526_054114_20100526_210000_20100527_090000	1	27-MAY-2010 00:02:23
ECMWF_FILE	AUX_ECF_AXNECM20100526_165746_20100527_030000_20100527_150000	41	27-MAY-2010 03:23:34
ECMWF_FILE	AUX_ECA_AXNECM20100527_052114_20100526_210000_20100527_090000	61	27-MAY-2010 05:04:10
ECMWF_FILE	AUX_ECF_AXNECM20100527_054114_20100527_210000_20100528_090000	81	27-MAY-2010 21:01:22
OPTIONAL_ECMWF_FILE	MISSING	1	27-MAY-2010 00:02:23
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100526_092114_20100525_182638_20100604_213326	1	27-MAY-2010 00:02:23
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100527_020015_000041442089_00432_43071_0432.N1	25	27-MAY-2010 02:06:35
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100526_092114_20100525_182638_20100604_213326	41	27-MAY-2010 03:23:34
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100527_045535_000057382089_00434_43073_0434.N1	61	27-MAY-2010 05:04:10
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100527_205716_000041442089_00444_43083_0435.N1	81	27-MAY-2010 21:01:22
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100527_220621_000060572089_00444_43083_0436.N1	98	27-MAY-2010 22:13:53
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100527_235236_000054192089_00445_43084_0437.N1	120	27-MAY-2010 23:54:28

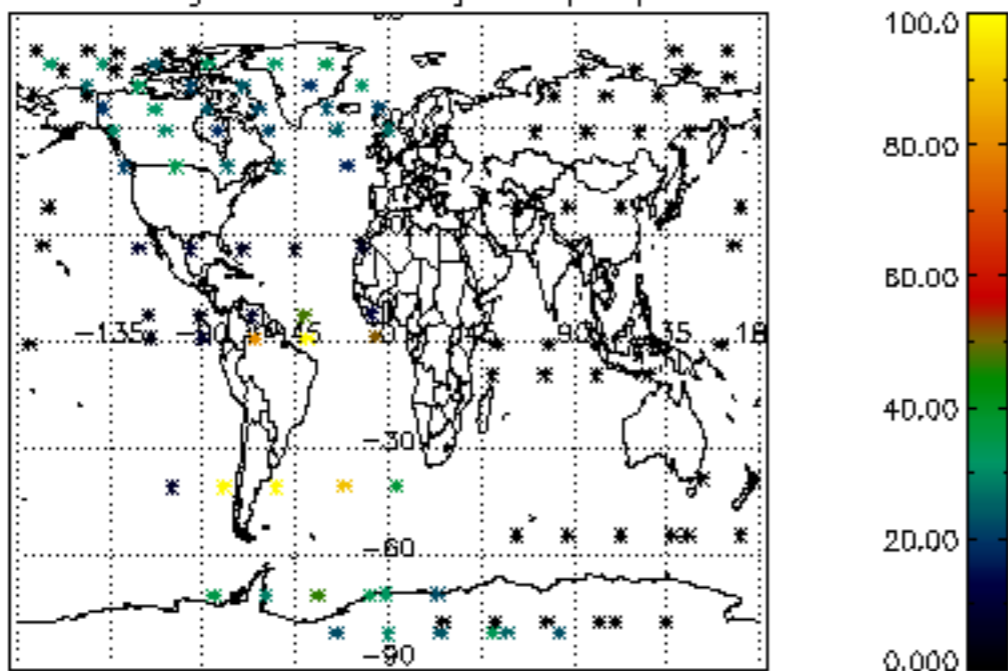




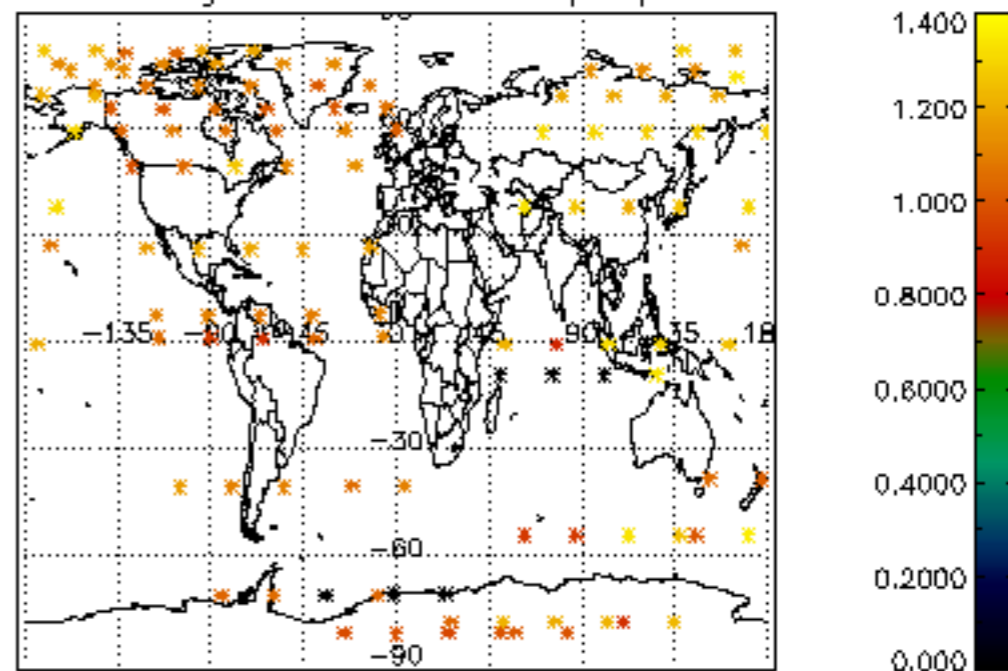




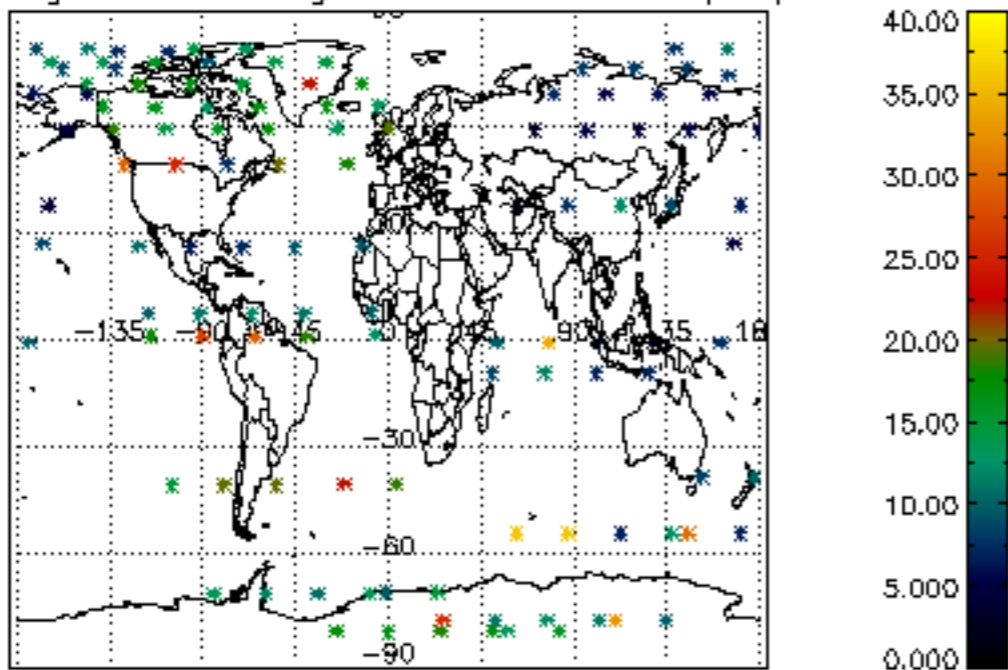
Percentage of cosmic ray hits per profile



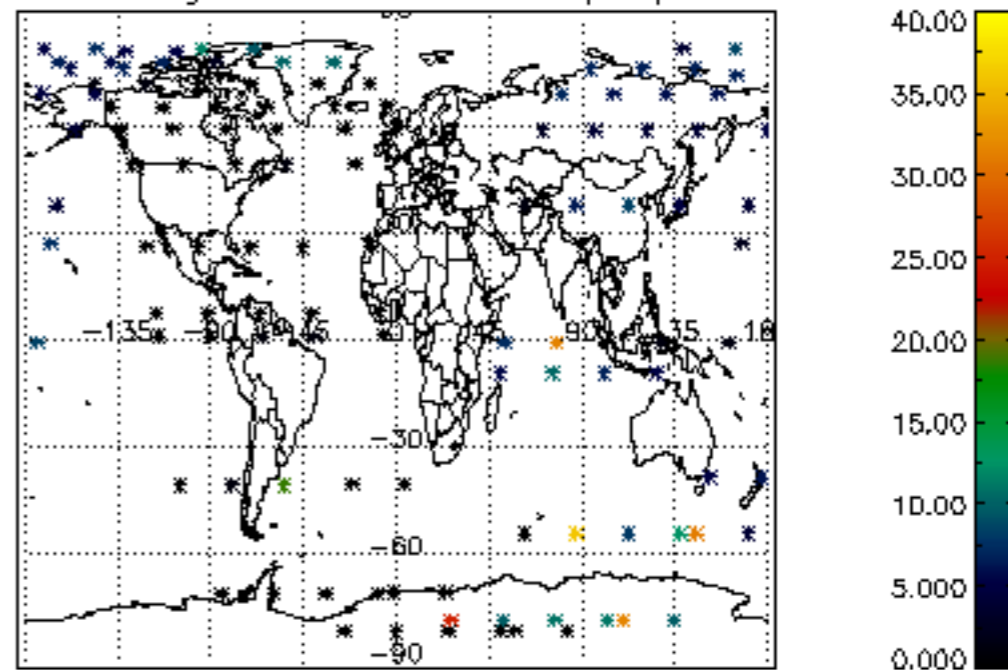
Percentage of datation errors per profile



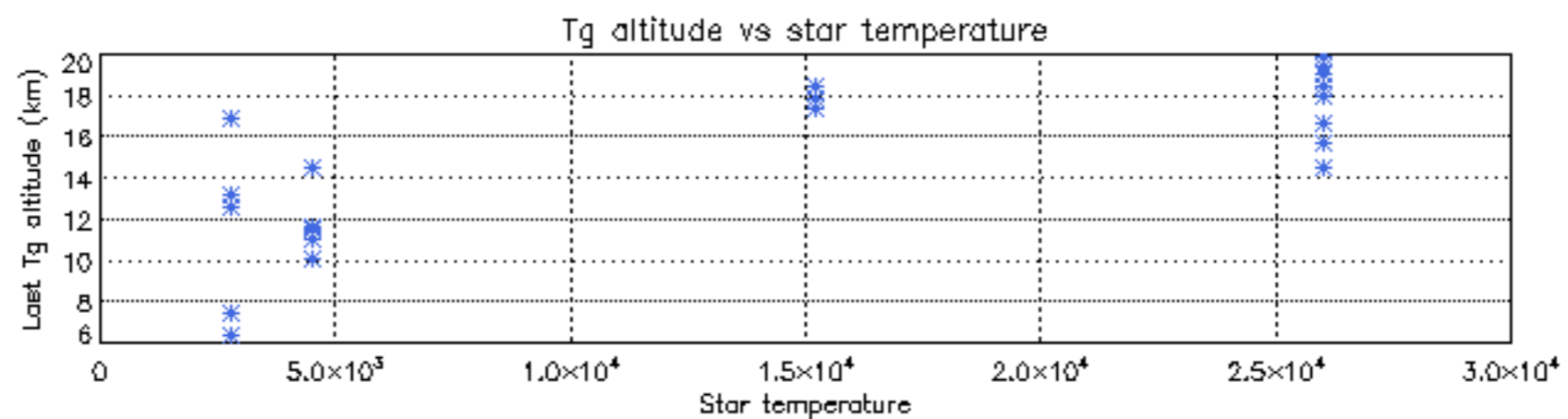
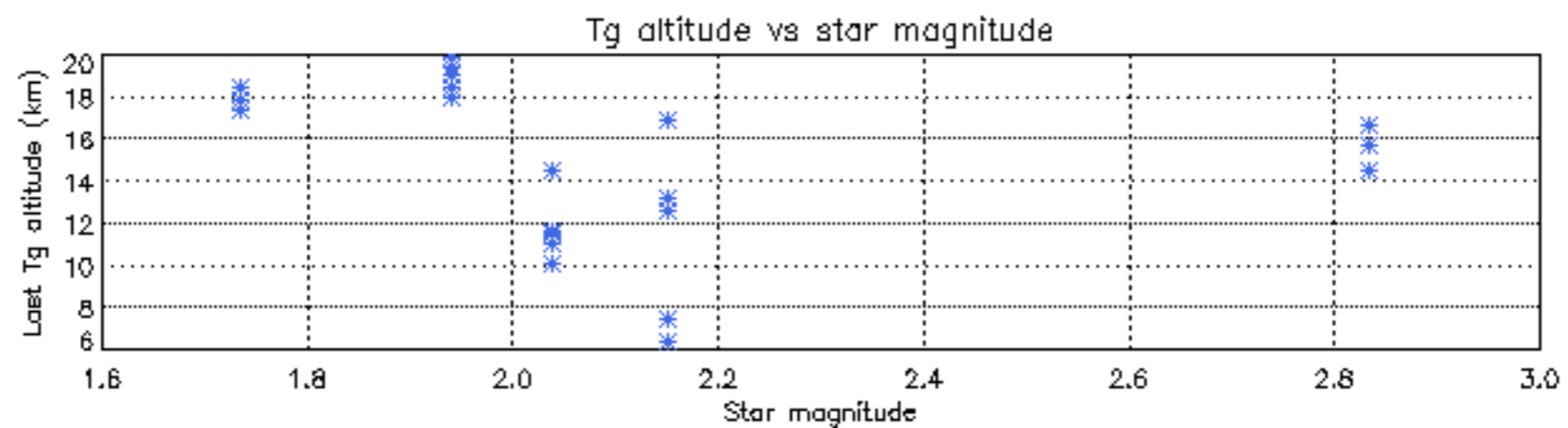
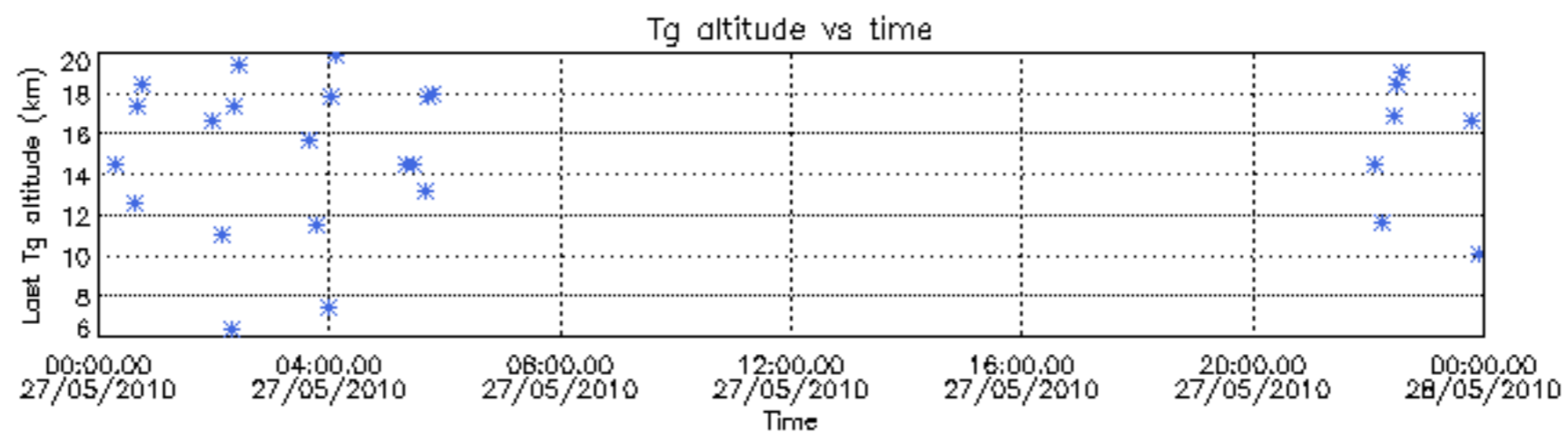
Percentage of star falling outside central band per profile



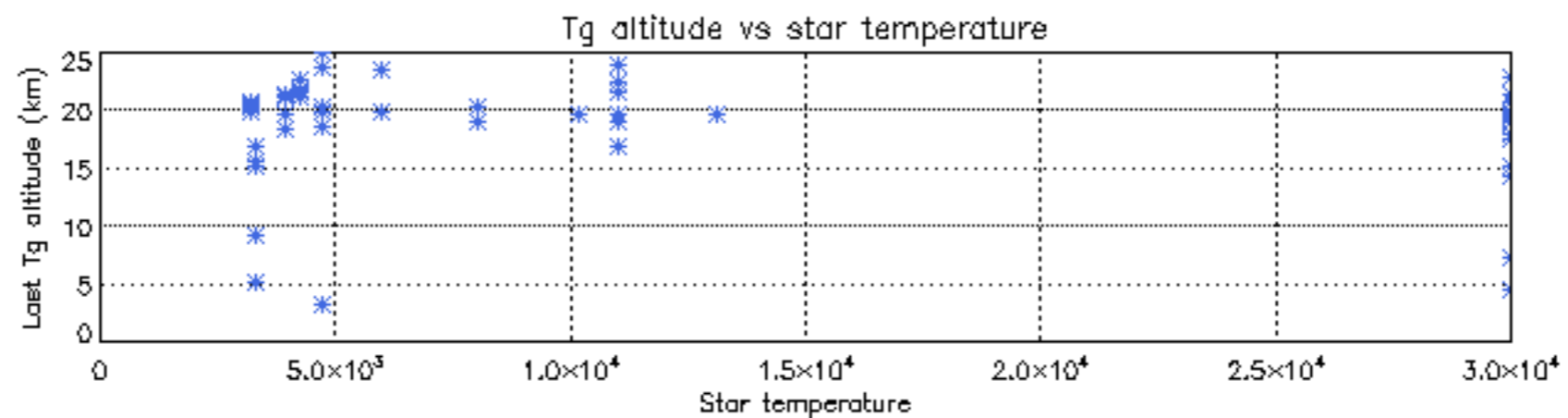
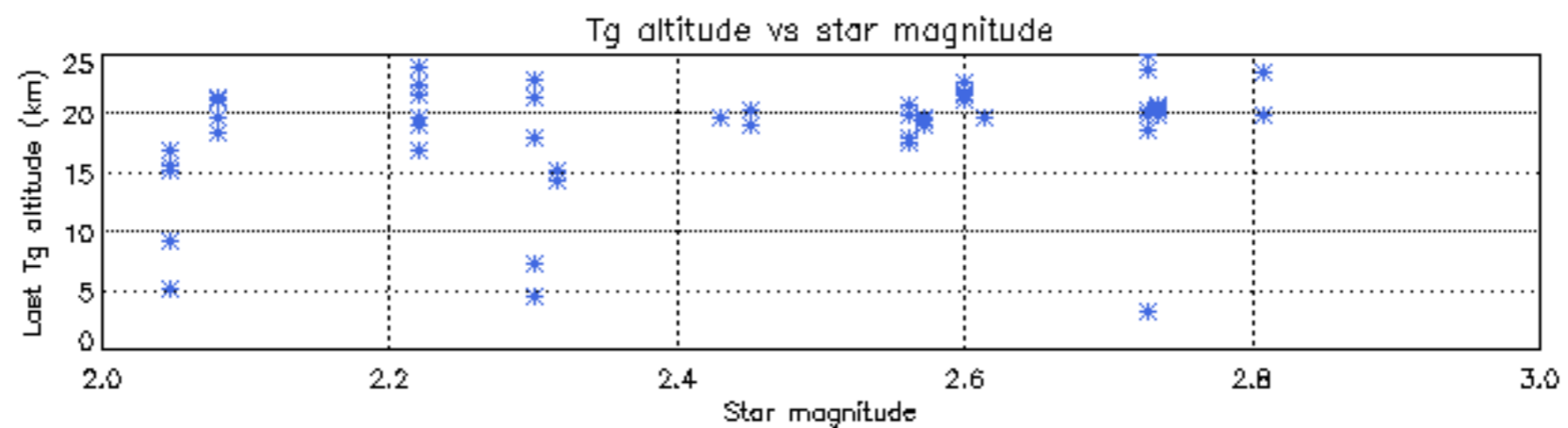
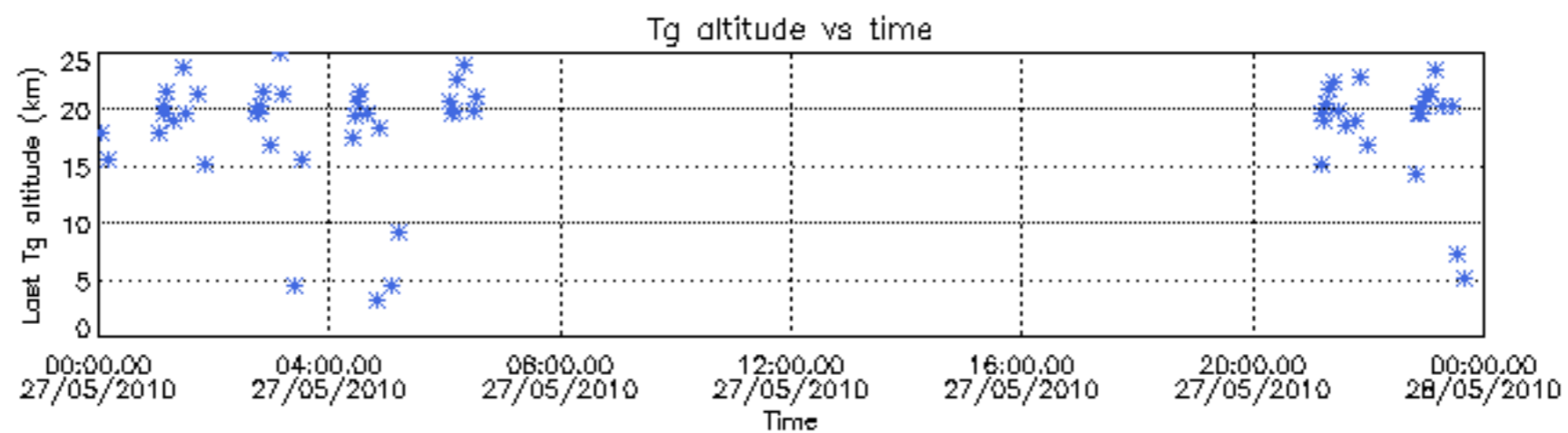
Percentage of saturation errors per profile

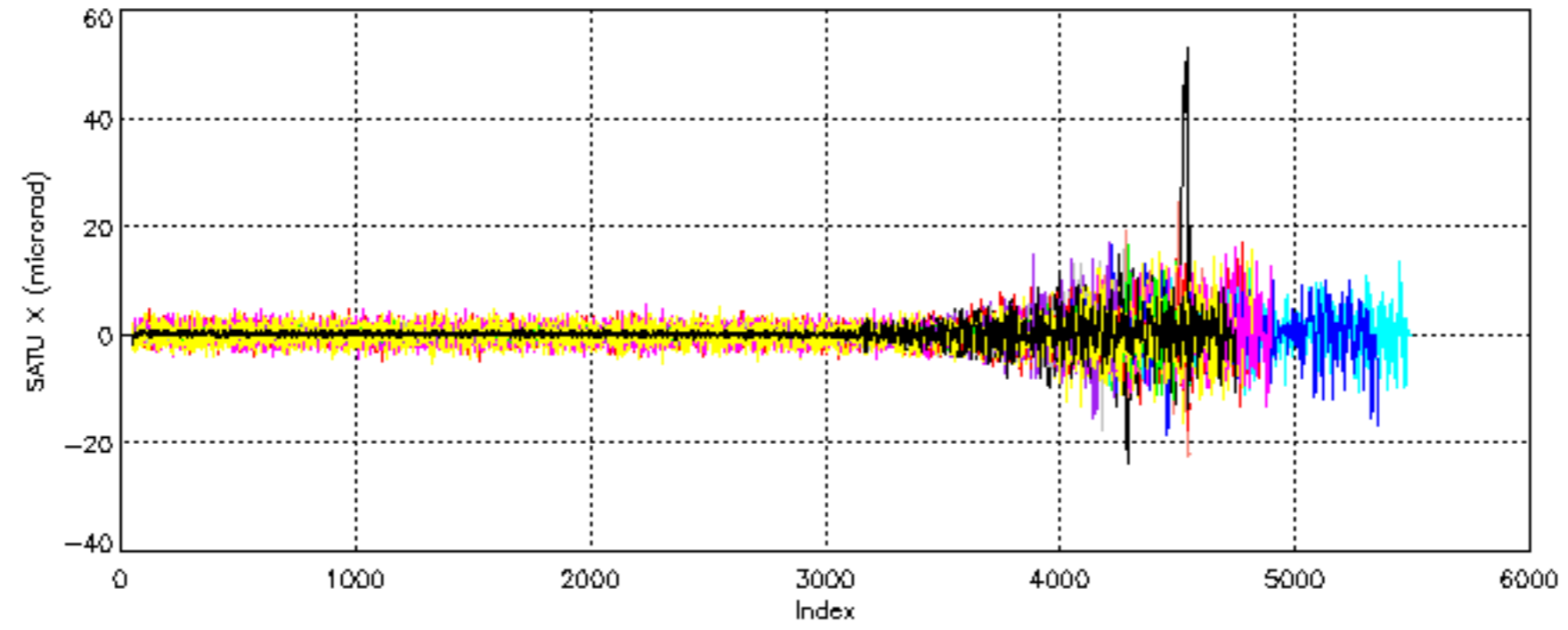


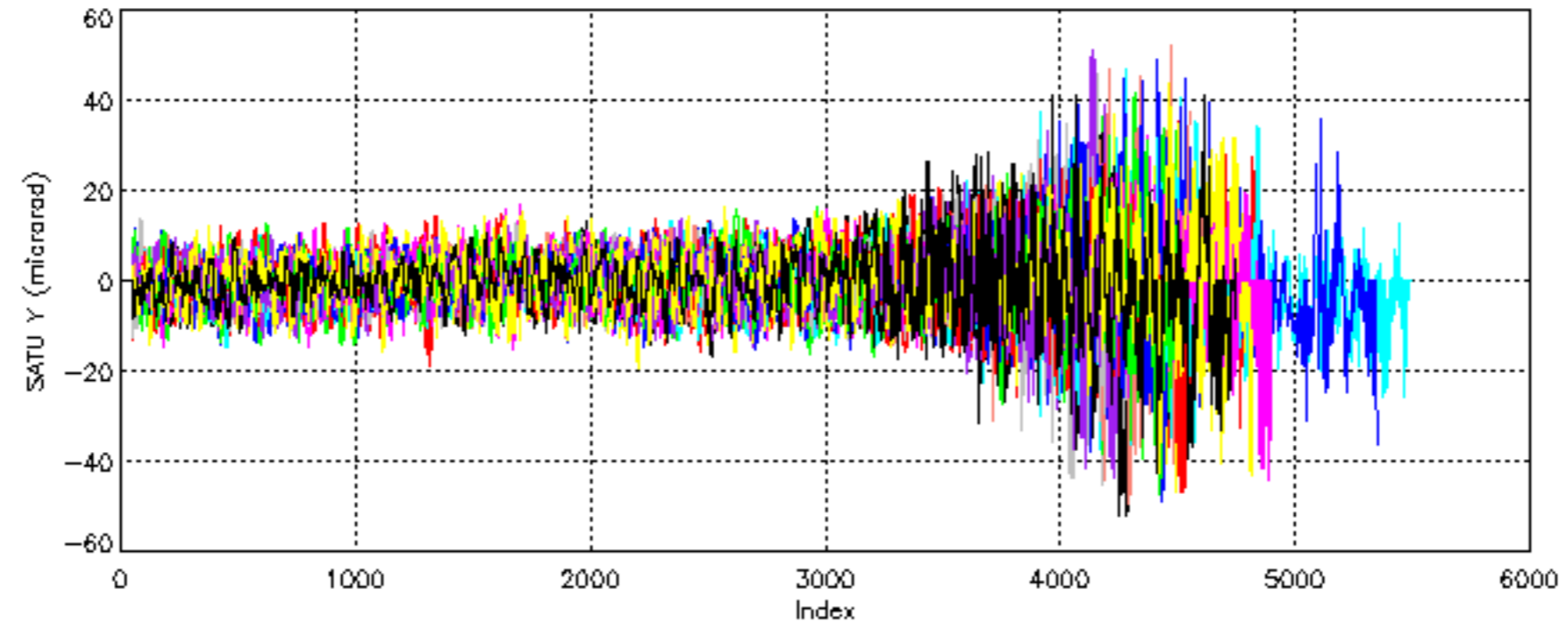
Tangent altitude at which the star is lost

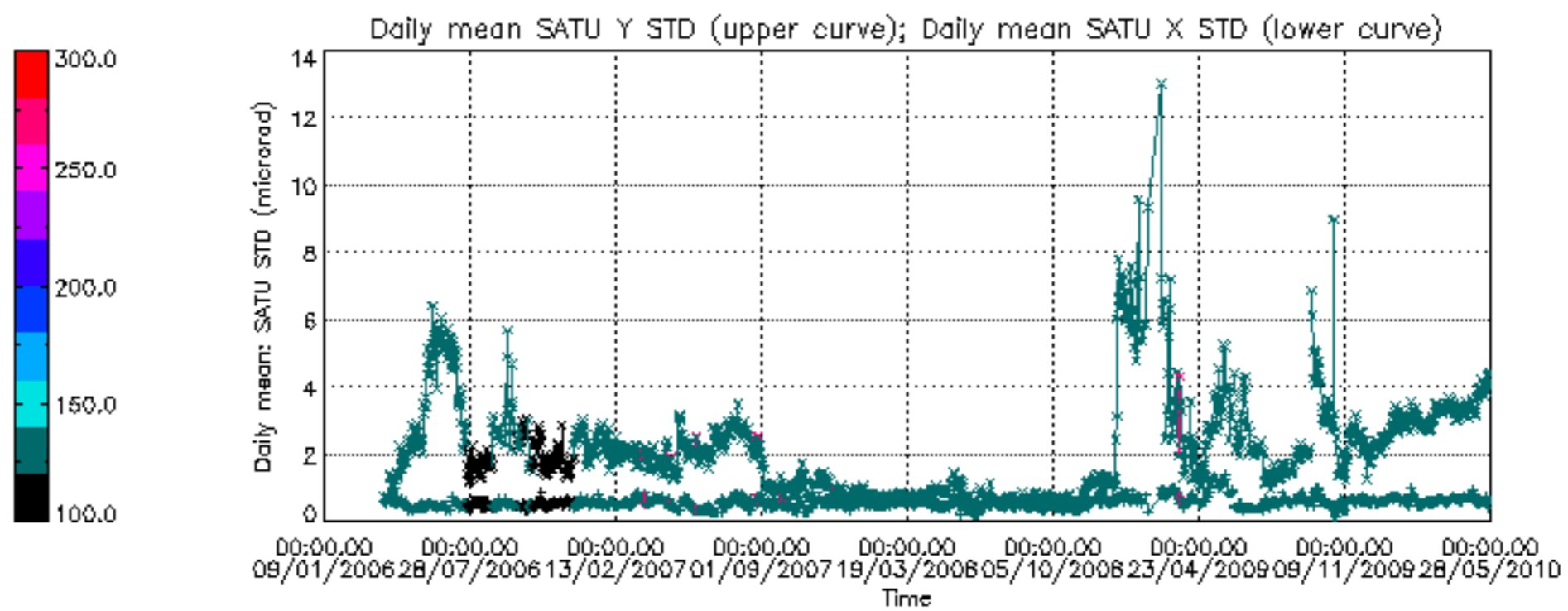


Tangent altitude at which the star is lost









/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20100501_004401_000057222089_00059_42698_9963.N1

1; -637.9; 01-MAY-2010 00:44:01; Dark ; 61.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 123; 0;42698
 2; -480.7; 01-MAY-2010 00:46:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42698
 3; 634.8; 01-MAY-2010 01:05:14; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42699
 4; 745.6; 01-MAY-2010 01:07:04; Dark ; 53.5; 40; The Sco ; 1.86; 7100;occ; 107; 0;42699
 5; 850.6; 01-MAY-2010 01:08:49; Dark ; 59.0; 25; 35Lam Sco ; 1.62; 28000;occ; 118; 0;42699
 6; 1038.5; 01-MAY-2010 01:11:57; Dark ; 60.0; 75; 26Eps Sco ; 2.29; 4250;occ; 120; 0;42699
 7; 1264.4; 01-MAY-2010 01:15:43; Dark ; 81.0; 16; 21Alp Sco ; 1.02; 3000;occ; 162; 0;42699
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 4; 1411.2; 03-MAY-2010 20:22:08; Dark ; 60.0; 80; 7Del Sco ; 2.32; 30000;occ; 120; 0;42739
 5; 1594.4; 03-MAY-2010 20:25:11; Bright; 44.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 89; 0;42739
 6; 1726.3; 03-MAY-2010 20:27:23; Bright; 46.0; 104; 27Bet Lib ; 2.61; 13100;occ; 92; 0;42739
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 6; 888.8; 03-MAY-2010 21:54:01; Dark ; 56.5; 25; 35Lam Sco ; 1.62; 28000;occ; 113; 0;42740
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13; 4544.1; 04-MAY-2010 00:35:32; Dark ; 52.0; 93; 53Bet Peg ; 2.52; 3100;occ; 104; 0;42741
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 4; 890.6; 04-MAY-2010 01:15:14; Dark ; 57.0; 25; 35Lam Sco ; 1.62; 28000;occ; 114; 0;42742

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4; -964.9; 04-MAY-2010 05:46:07; Dark ; 72.0; 61; 8Eps Peg ; 2.10; 3900;occ; 144; 0;42744
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 5; 3182.7; 04-MAY-2010 08:35:51; Bright; 45.5; 119; 14Eta Dra ; 2.73; 4700;occ; 91; 0;42746
 6; 3814.0; 04-MAY-2010 08:46:22; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;42746
 7; 4544.7; 04-MAY-2010 08:58:33; Dark ; 49.5; 93; 53Bet Peg ; 2.52; 3100;occ; 99; 0;42746
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 4; 2433.0; 04-MAY-2010 11:44:33; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42748
 5; 2616.0; 04-MAY-2010 11:47:36; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;42748
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 7; 3813.5; 04-MAY-2010 12:07:33; Bright; 40.0; 89; 5Alp Cep ; 2.45; 8000;occ; 80; 0;42748
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 9; 4789.5; 04-MAY-2010 12:23:49; Dark ; 47.5; 90; 54Alp Peg ; 2.49; 11000;occ; 95; 0;42748
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 21; 5224.4; 04-MAY-2010 22:34:40; Dark ; 58.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 117; 0;42754

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 4; 1595.6; 04-MAY-2010 18:12:59; Bright; 46.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 92; 0;42752
 5; 1725.7; 04-MAY-2010 18:15:09; Bright; 47.5; 104; 27Bet Lib ; 2.61; 13100;occ; 95; 0;42752
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 9; 3179.1; 04-MAY-2010 18:39:22; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;42752
 10; 3812.3; 04-MAY-2010 18:49:56; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;42752
 11; 4546.0; 04-MAY-2010 19:02:09; Dark ; 48.0; 93; 53Bet Peg ; 2.52; 3100;occ; 96; 0;42752


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14; 5221.9; 04-MAY-2010 19:13:25; Dark ; 56.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 112; 0;42752
15; 5469.6; 04-MAY-2010 19:17:33; Dark ; 64.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 129; 0;42752
16; 5621.2; 04-MAY-2010 19:20:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42752
17; 5837.0; 04-MAY-2010 19:23:40; Dark ; 42.0; 172; Gam Gru ; 3.00; 13100;occ; 84; 0;42752
18; 6791.7; 04-MAY-2010 19:39:35; Dark ; 64.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 128; 0;42753
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 3; 759.4; 05-MAY-2010 00:41:26; Dark ; 69.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 139; 0;42756
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 7; 1416.0; 05-MAY-2010 00:52:23; Dark ; 58.5; 80; 7Del Sco ; 2.32; 30000;occ; 117; 0;42756
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 9; 1725.7; 05-MAY-2010 00:57:33; Bright; 45.5; 104; 27Bet Lib ; 2.61; 13100;occ; 91; 0;42756
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11; 2429.5; 05-MAY-2010 01:09:16; Bright; 45.0; 83; ; 2.38; 11000;occ; 90; 0;42756
12; 2613.0; 05-MAY-2010 01:12:20; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42756
13; 3176.8; 05-MAY-2010 01:21:44; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42756
14; 3810.8; 05-MAY-2010 01:32:18; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;42756
15; 4546.4; 05-MAY-2010 01:44:33; Dark ; 58.0; 93; 53Bet Peg ; 2.52; 3100;occ; 116; 0;42756
16; 4792.3; 05-MAY-2010 01:48:39; Dark ; 44.0; 90; 54Alp Peg ; 2.49; 11000;occ; 88; 0;42756
17; 5083.1; 05-MAY-2010 01:53:30; Dark ; 25.5; 61; 8Eps Peg ; 2.10; 3900;occ; 51; 0;42756
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 5; 760.8; 05-MAY-2010 02:22:04; Dark ; 66.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 132; 0;42757
 6; 903.7; 05-MAY-2010 02:24:27; Dark ; 54.5; 25; 35Lam Sco ; 1.62; 28000;occ; 109; 0;42757
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3; 2250.4; 05-MAY-2010 07:48:41; Bright; 42.5; 3; 16Alp Boo ; -0.05; 4250;occ; 85; 0;42760
4; 2428.0; 05-MAY-2010 07:51:39; Bright; 43.0; 83; ; 2.38; 11000;occ; 86; 0;42760
5; 2611.7; 05-MAY-2010 07:54:43; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;42760
6; 3174.5; 05-MAY-2010 08:04:05; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;42760
7; 3809.6; 05-MAY-2010 08:14:40; Bright; 42.0; 89; 5Alp Cep ; 2.45; 8000;occ; 84; 0;42760
8; 4547.6; 05-MAY-2010 08:26:58; Dark ; 53.5; 93; 53Bet Peg ; 2.52; 3100;occ; 107; 0;42760
9; 4793.9; 05-MAY-2010 08:31:05; Dark ; 47.0; 90; 54Alp Peg ; 2.49; 11000;occ; 94; 0;42760
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 6; 3166.4; 06-MAY-2010 07:32:20; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42774
 7; 3804.7; 06-MAY-2010 07:42:59; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42774
 8; 4550.1; 06-MAY-2010 07:55:24; Dark ; 53.0; 93; 53Bet Peg ; 2.52; 3100;occ; 106; 0;42774
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 13; 6818.6; 06-MAY-2010 08:33:12; Dark ; 65.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 131; 0;42775
 14; 6955.2; 06-MAY-2010 08:35:29; Dark ; 58.0; 25; 35Lam Sco ; 1.62; 28000;occ; 116; 0;42775
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 16; 7335.6; 06-MAY-2010 10:22:25; Dark ; 73.0; 16; 21Alp Sco ; 1.02; 3000;occ; 146; 0;42776
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 5; 2421.8; 06-MAY-2010 10:41:07; Bright; 44.0; 83; ; 2.38; 11000;occ; 88; 0;42776
 6; 2516.5; 06-MAY-2010 10:42:42; Bright; 49.5; 67; 5Alp CrB ; 2.22; 11000;occ; 99; 0;42776
 7; 3165.3; 06-MAY-2010 10:53:31; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42776
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 13; 5856.9; 06-MAY-2010 11:38:23; Dark ; 43.0; 172; Gam Gru ; 3.00; 13100;occ; 86; 0;42776
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 9; 3803.4; 06-MAY-2010 14:25:21; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;42778
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11; 4800.8; 06-MAY-2010 14:41:58; Dark ; 48.5; 90; 54Alp Peg ; 2.49; 11000;occ; 97; 0;42778
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13; 5656.2; 06-MAY-2010 14:56:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42778
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 3; 813.8; 06-MAY-2010 16:56:43; Dark ; 52.0; 40; The Sco ; 1.86; 7100;occ; 104; 0;42780
 4; 928.7; 06-MAY-2010 16:58:38; Dark ; 34.0; 115; 34Ups Sco ; 2.70; 26000;occ; 68; 0;42780
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 5; 686.1; 06-MAY-2010 23:36:59; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42784
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 7; 932.0; 06-MAY-2010 23:41:05; Dark ; 39.0; 115; 34Ups Sco ; 2.70; 26000;occ; 78; 0;42784
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 9; 1333.9; 06-MAY-2010 23:47:47; Dark ; 25.0; 156; 20Sig Sco ; 2.90; 28000;occ; 50; 0;42784
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11; 1599.4; 06-MAY-2010 23:52:13; Bright; 41.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 82; 0;42784
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13; 2223.4; 07-MAY-2010 00:02:37; Bright; 36.5; 111; 8Eta Boo ; 2.68; 6000;occ; 73; 0;42784
14; 2418.7; 07-MAY-2010 00:05:52; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42784
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16; 2754.9; 07-MAY-2010 00:11:28; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;42784
17; 2842.0; 07-MAY-2010 00:12:55; Bright; 37.5; 55; 79Zet UMa ; 2.06; 10200;occ; 75; 0;42784
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19; 3801.2; 07-MAY-2010 00:28:54; Bright; 43.0; 89; 5Alp Cep ; 2.45; 8000;occ; 86; 0;42784
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21; 4551.9; 07-MAY-2010 00:41:25; Dark ; 52.5; 93; 53Bet Peg ; 2.52; 3100;occ; 105; 0;42784
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 9; 2842.2; 06-MAY-2010 19:11:08; Bright; 36.0; 55; 79Zet UMa ; 2.06; 10200;occ; 72; 0;42781
 10; 3203.3; 06-MAY-2010 19:17:09; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;42781
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9; 2599.1; 07-MAY-2010 20:16:04; Bright; 41.5; 180; 27Gam Boo ; 3.04; 8000;occ; 83; 0;42796
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3;	2220.9;	10-MAY-2010	13:33:06;	Bright;	35.0;	111;	8Eta Boo	;	2.68;	6000;occ;	70;	0;	42835	
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5;	2588.1;	10-MAY-2010	13:39:14;	Bright;	39.0;	180;	27Gam Boo	;	3.04;	8000;occ;	78;	0;	42835	
6;	2748.9;	10-MAY-2010	13:41:54;	Bright;	36.0;	39;	85Eta UMa	;	1.85;	24000;occ;	72;	0;	42835	
7;	3782.3;	10-MAY-2010	13:59:08;	Bright;	43.0;	89;	5Alp Cep	;	2.45;	8000;occ;	86;	0;	42835	
8;	3964.7;	10-MAY-2010	14:02:10;	Bright;	54.0;	74;	11Bet Cas	;	2.27;	6600;occ;	108;	0;	42835	
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2; 2220.6; 11-MAY-2010 09:40:17; Bright; 37.5; 111; 8Eta Boo ; 2.68; 6000;occ; 75; 0;42847
3; 2398.2; 11-MAY-2010 09:43:15; Bright; 41.0; 83; ; 2.38; 11000;occ; 82; 0;42847
4; 2584.7; 11-MAY-2010 09:46:22; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42847
5; 2748.2; 11-MAY-2010 09:49:05; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;42847
6; 3126.3; 11-MAY-2010 09:55:23; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42847
7; 3777.5; 11-MAY-2010 10:06:14; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;42847
8; 3964.7; 11-MAY-2010 10:09:22; Bright; 52.5; 74; 11Bet Cas ; 2.27; 6600;occ; 105; 0;42847
9; 4564.5; 11-MAY-2010 10:19:21; Dark ; 52.5; 93; 53Bet Peg ; 2.52; 3100;occ; 105; 0;42847
10; 4744.6; 11-MAY-2010 10:22:21; Dark ; 41.5; 140; 88Gam Peg ; 2.83; 26000;occ; 83; 0;42847
11; 4828.8; 11-MAY-2010 10:23:46; Dark ; 50.0; 90; 54Alp Peg ; 2.49; 11000;occ; 100; 0;42847
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13; 5771.0; 11-MAY-2010 10:39:28; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42847
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15; 5979.7; 11-MAY-2010 10:42:56; Dark ; 41.0; 31; Alp Gru ; 1.73; 15200;occ; 82; 0;42847
16; 6315.4; 11-MAY-2010 10:48:32; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42848
17; 6758.2; 11-MAY-2010 10:55:55; Dark ; 45.5; 141; Bet Ara ; 2.84; 4600;occ; 91; 0;42848
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22; 7474.9; 11-MAY-2010 11:07:52; Dark ; 57.5; 80; 7Del Sco ; 2.32; 30000;occ; 115; 0;42848
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3; 2220.6; 11-MAY-2010 11:20:53; Bright; 36.5; 111; 8Eta Boo ; 2.68; 6000;occ; 73; 0;42848
4; 2397.9; 11-MAY-2010 11:23:51; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;42848
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6; 2747.9; 11-MAY-2010 11:29:41; Bright; 38.5; 39; 85Eta UMa ; 1.85; 24000;occ; 77; 0;42848
7; 3125.8; 11-MAY-2010 11:35:59; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42848
8; 3777.1; 11-MAY-2010 11:46:50; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;42848
9; 3964.7; 11-MAY-2010 11:49:57; Bright; 36.0; 74; 11Bet Cas ; 2.27; 6600;occ; 72; 0;42848
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11; 4744.9; 11-MAY-2010 12:02:58; Dark ; 42.0; 140; 88Gam Peg ; 2.83; 26000;occ; 84; 0;42848
12; 4829.3; 11-MAY-2010 12:04:22; Dark ; 51.0; 90; 54Alp Peg ; 2.49; 11000;occ; 102; 0;42848
13; 5629.3; 11-MAY-2010 12:17:42; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;42848
14; 5771.8; 11-MAY-2010 12:20:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42848
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22; 7363.6; 11-MAY-2010 12:46:36; Dark ; 62.0; 16; 21Alp Sco ; 1.02; 3000;occ; 124; 0;42849
23; 7475.2; 11-MAY-2010 12:48:28; Dark ; 62.0; 80; 7Del Sco ; 2.32; 30000;occ; 124; 0;42849
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9; 3776.4; 11-MAY-2010 15:08:01; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;42850
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13; 4830.1; 11-MAY-2010 15:25:35; Dark ; 49.5; 90; 54Alp Peg ; 2.49; 11000;occ; 99; 0;42850
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17; 6317.6; 11-MAY-2010 15:50:22; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42851
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5; 1725.1; 11-MAY-2010 16:14:26; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;42851
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7; 2397.1; 11-MAY-2010 16:25:38; Bright; 43.0; 83; ; 2.38; 11000;occ; 86; 0;42851
8; 2583.7; 11-MAY-2010 16:28:44; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42851
9; 2747.8; 11-MAY-2010 16:31:28; Bright; 36.0; 39; 85Eta UMa ; 1.85; 24000;occ; 72; 0;42851
10; 3124.0; 11-MAY-2010 16:37:45; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;42851
11; 3776.0; 11-MAY-2010 16:48:36; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;42851
12; 3964.5; 11-MAY-2010 16:51:45; Bright; 37.5; 74; 11Bet Cas ; 2.27; 6600;occ; 75; 0;42851
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 22; 6761.2; 11-MAY-2010 19:18:58; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;42853
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 3; 1133.5; 11-MAY-2010 19:25:46; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;42853
 4; 1329.2; 11-MAY-2010 19:29:02; Dark ; 69.0; 16; 21Alp Sco ; 1.02; 3000;occ; 138; 0;42853
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 9; 2396.5; 11-MAY-2010 19:46:49; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;42853
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 12; 3122.9; 11-MAY-2010 19:58:55; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42853
 13; 3775.3; 11-MAY-2010 20:09:48; Bright; 43.0; 89; 5Alp Cep ; 2.45; 8000;occ; 86; 0;42853
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 16; 4746.3; 11-MAY-2010 20:25:59; Dark ; 42.0; 140; 88Gam Peg ; 2.83; 26000;occ; 84; 0;42853
 17; 4831.1; 11-MAY-2010 20:27:24; Dark ; 48.5; 90; 54Alp Peg ; 2.49; 11000;occ; 97; 0;42853
 18; 5632.7; 11-MAY-2010 20:40:45; Dark ; 50.0; 18; 24Alp PsA ; 1.17; 9700;occ; 100; 0;42853
 19; 5775.8; 11-MAY-2010 20:43:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42853


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22; 6319.6; 11-MAY-2010 20:52:12; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42854
23; 6761.6; 11-MAY-2010 20:59:34; Dark ; 54.0; 141; Bet Ara ; 2.84; 4600;occ; 108; 0;42854
24; 6905.5; 11-MAY-2010 21:01:58; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;42854
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 6; 726.8; 12-MAY-2010 00:20:47; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;42856
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 8; 982.7; 12-MAY-2010 00:25:03; Dark ; 60.0; 25; 35Lam Sco ; 1.62; 28000;occ; 120; 0;42856
 9; 1135.3; 12-MAY-2010 00:27:35; Dark ; 54.5; 75; 26Eps Sco ; 2.29; 4250;occ; 109; 0;42856
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11; 1441.0; 12-MAY-2010 00:32:41; Dark ; 59.0; 80; 7Del Sco ; 2.32; 30000;occ; 118; 0;42856
12; 1608.2; 12-MAY-2010 00:35:28; Bright; 40.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 80; 0;42856
13; 1725.4; 12-MAY-2010 00:37:26; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;42856
14; 2237.3; 12-MAY-2010 00:45:57; Bright; 38.0; 3; 16Alp Boo ; -0.05; 4250;occ; 76; 0;42856
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16; 2582.5; 12-MAY-2010 00:51:43; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42856
17; 2747.5; 12-MAY-2010 00:54:28; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;42856
18; 3121.5; 12-MAY-2010 01:00:42; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42856
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 6; 727.3; 12-MAY-2010 02:01:23; Dark ; 49.0; 141; Bet Ara ; 2.84; 4600;occ; 98; 0;42857
 7; 871.9; 12-MAY-2010 02:03:48; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;42857
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 9; 1135.7; 12-MAY-2010 02:08:12; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;42857
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14; 2237.0; 12-MAY-2010 02:26:33; Bright; 40.5; 3; 16Alp Boo ; -0.05; 4250;occ; 81; 0;42857
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16; 2582.4; 12-MAY-2010 02:32:18; Bright; 40.0; 180; 27Gam Boo ; 3.04; 8000;occ; 80; 0;42857
17; 2747.3; 12-MAY-2010 02:35:03; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;42857
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 7; -256.9; 12-MAY-2010 03:25:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42857
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11; 727.8; 12-MAY-2010 03:42:00; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42858
12; 872.5; 12-MAY-2010 03:44:24; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;42858
13; 984.5; 12-MAY-2010 03:46:16; Dark ; 56.5; 25; 35Lam Sco ; 1.62; 28000;occ; 113; 0;42858
14; 1136.3; 12-MAY-2010 03:48:48; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;42858
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17; 1608.4; 12-MAY-2010 03:56:40; Bright; 38.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 76; 0;42858
18; 1725.7; 12-MAY-2010 03:58:38; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;42858

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22; 2747.5; 12-MAY-2010 04:15:39; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;42858
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21; 2582.0; 12-MAY-2010 05:53:30; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42859
22; 2747.1; 12-MAY-2010 05:56:15; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;42859
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13; 985.4; 12-MAY-2010 07:07:29; Dark ; 53.5; 25; 35Lam Sco ; 1.62; 28000;occ; 107; 0;42860
14; 1137.4; 12-MAY-2010 07:10:01; Dark ; 51.5; 75; 26Eps Sco ; 2.29; 4250;occ; 103; 0;42860
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4; 2394.7; 12-MAY-2010 07:30:59; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;42860
5; 2581.6; 12-MAY-2010 07:34:06; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42860
6; 2747.3; 12-MAY-2010 07:36:51; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;42860
7; 3119.7; 12-MAY-2010 07:43:04; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42860
8; 3772.3; 12-MAY-2010 07:53:56; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;42860
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19; 6910.6; 12-MAY-2010 08:46:15; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;42861
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 9; 2392.6; 12-MAY-2010 20:55:44; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;42868
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 13; 3769.1; 12-MAY-2010 21:18:41; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42868
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 12; 1609.8; 12-MAY-2010 22:23:17; Bright; 39.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 78; 0;42869

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16; 2392.5; 12-MAY-2010 22:36:20; Bright; 41.5; 83; ; 2.38; 11000;occ; 83; 0;42869
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18; 2747.0; 12-MAY-2010 22:42:14; Bright; 35.0; 39; 85Eta UMa ; 1.85; 24000;occ; 70; 0;42869
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28; 6332.0; 13-MAY-2010 03:03:11; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42872
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14; 4858.5; 15-MAY-2010 18:21:23; Dark ; 54.0; 90; 54Alp Peg ; 2.49; 11000;occ; 108; 0;42909
15; 5674.7; 15-MAY-2010 18:34:59; Dark ; 45.5; 18; 24Alp PsA ; 1.17; 9700;occ; 91; 0;42909
16; 5823.0; 15-MAY-2010 18:37:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42909
17; 6024.7; 15-MAY-2010 18:40:49; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;42909
18; 6358.8; 15-MAY-2010 18:46:23; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42910
19; 6791.4; 15-MAY-2010 18:53:36; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;42910
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3; 1161.8; 15-MAY-2010 19:00:22; Dark ; 52.0; 75; 26Eps Sco ; 2.29; 4250;occ; 104; 0;42910
4; 1348.6; 15-MAY-2010 19:03:29; Dark ; 61.0; 16; 21Alp Sco ; 1.02; 3000;occ; 122; 0;42910
5; 1506.1; 15-MAY-2010 19:06:07; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;42910

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8; 2048.6; 15-MAY-2010 19:15:09; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42910
9; 2383.4; 15-MAY-2010 19:20:44; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;42910
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11; 3094.9; 15-MAY-2010 19:32:35; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;42910
12; 3751.2; 15-MAY-2010 19:43:32; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;42910
13; 3961.8; 15-MAY-2010 19:47:02; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42910
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16; 4859.0; 15-MAY-2010 20:01:59; Dark ; 54.5; 90; 54Alp Peg ; 2.49; 11000;occ; 109; 0;42910
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21; 6791.7; 15-MAY-2010 20:34:12; Dark ; 45.5; 141; Bet Ara ; 2.84; 4600;occ; 91; 0;42911
22; 6965.5; 15-MAY-2010 20:37:06; Dark ; 29.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 58; 0;42911
23; 7056.7; 15-MAY-2010 20:38:37; Dark ; 17.0; 25; 35Lam Sco ; 1.62; 28000;occ; 34; 0;42911

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2; 1020.7; 15-MAY-2010 20:38:37; Dark ; 53.5; 25; 35Lam Sco ; 1.62; 28000;occ; 107; 0;42911
3; 1162.2; 15-MAY-2010 20:40:59; Dark ; 52.0; 75; 26Eps Sco ; 2.29; 4250;occ; 104; 0;42911
4; 1349.0; 15-MAY-2010 20:44:05; Dark ; 56.5; 16; 21Alp Sco ; 1.02; 3000;occ; 113; 0;42911
5; 1506.3; 15-MAY-2010 20:46:43; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;42911
6; 1726.9; 15-MAY-2010 20:50:23; Bright; 41.0; 104; 27Bet Lib ; 2.61; 13100;occ; 82; 0;42911
7; 1857.7; 15-MAY-2010 20:52:34; Bright; 50.5; 120; 1Del Oph ; 2.73; 3200;occ; 101; 0;42911
8; 2048.5; 15-MAY-2010 20:55:45; Bright; 44.0; 102; 24Alp Ser ; 2.60; 4250;occ; 88; 0;42911
9; 2383.4; 15-MAY-2010 21:01:20; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42911
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11; 3094.2; 15-MAY-2010 21:13:11; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;42911
12; 3750.7; 15-MAY-2010 21:24:07; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42911
13; 3961.6; 15-MAY-2010 21:27:38; Bright; 37.5; 74; 11Bet Cas ; 2.27; 6600;occ; 75; 0;42911
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15; 4762.1; 15-MAY-2010 21:40:59; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;42911
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4; 324.3; 15-MAY-2010 22:07:37; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42912
5; 756.4; 15-MAY-2010 22:14:49; Dark ; 51.0; 141; Bet Ara ; 2.84; 4600;occ; 102; 0;42912
6; 930.6; 15-MAY-2010 22:17:43; Dark ; 30.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 60; 0;42912
7; 1021.3; 15-MAY-2010 22:19:14; Dark ; 58.0; 25; 35Lam Sco ; 1.62; 28000;occ; 116; 0;42912
8; 1162.9; 15-MAY-2010 22:21:35; Dark ; 53.0; 75; 26Eps Sco ; 2.29; 4250;occ; 106; 0;42912
9; 1348.9; 15-MAY-2010 22:24:41; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;42912
10; 1506.3; 15-MAY-2010 22:27:19; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;42912
11; 1727.0; 15-MAY-2010 22:30:59; Bright; 39.5; 104; 27Bet Lib ; 2.61; 13100;occ; 79; 0;42912
12; 1857.4; 15-MAY-2010 22:33:10; Bright; 50.5; 120; 1Del Oph ; 2.73; 3200;occ; 101; 0;42912
13; 2048.0; 15-MAY-2010 22:36:20; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42912
14; 2382.9; 15-MAY-2010 22:41:55; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42912
15; 2571.3; 15-MAY-2010 22:45:04; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42912
16; 3093.7; 15-MAY-2010 22:53:46; Bright; 61.0; 119; 14Eta Dra ; 2.73; 4700;occ; 122; 0;42912
17; 3750.1; 15-MAY-2010 23:04:42; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42912
18; 3961.8; 15-MAY-2010 23:08:14; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42912
19; 4513.6; 15-MAY-2010 23:17:26; Dark ; 45.0; 58; 21Alp And ; 2.07; 11000;occ; 90; 0;42912
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21; 4860.1; 15-MAY-2010 23:23:12; Dark ; 52.5; 90; 54Alp Peg ; 2.49; 11000;occ; 105; 0;42912

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4; 324.4; 15-MAY-2010 23:48:13; Dark ; 51.0; 45; Alp Pav ; 1.94; 26000;occ; 102; 0;42913
5; 756.8; 15-MAY-2010 23:55:25; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42913
6; 931.6; 15-MAY-2010 23:58:20; Dark ; 30.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 60; 0;42913
7; 1022.1; 15-MAY-2010 23:59:50; Dark ; 54.0; 25; 35Lam Sco ; 1.62; 28000;occ; 108; 0;42913
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9; 1349.3; 16-MAY-2010 00:05:17; Dark ; 63.0; 16; 21Alp Sco ; 1.02; 3000;occ; 126; 0;42913
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11; 1727.3; 16-MAY-2010 00:11:35; Bright; 40.0; 104; 27Bet Lib ; 2.61; 13100;occ; 80; 0;42913
 12; 1857.3; 16-MAY-2010 00:13:45; Bright; 50.0; 120; 1Del Oph ; 2.73; 3200;occ; 100; 0;42913
 13; 2047.9; 16-MAY-2010 00:16:56; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42913
 14; 2383.2; 16-MAY-2010 00:22:31; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;42913
 15; 2570.9; 16-MAY-2010 00:25:39; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42913
 16; 3092.9; 16-MAY-2010 00:34:21; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42913
 17; 3749.7; 16-MAY-2010 00:45:18; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;42913
 18; 3961.8; 16-MAY-2010 00:48:50; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;42913
 19; 4514.0; 16-MAY-2010 00:58:02; Dark ; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;42913
 20; 4763.0; 16-MAY-2010 01:02:11; Dark ; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;42913
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 5; 757.2; 16-MAY-2010 01:36:01; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;42914
 6; 932.4; 16-MAY-2010 01:38:56; Dark ; 32.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 64; 0;42914
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 16; 3092.7; 16-MAY-2010 02:14:57; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;42914
 17; 3749.4; 16-MAY-2010 02:25:53; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;42914
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 21; 4861.5; 16-MAY-2010 02:44:25; Dark ; 56.0; 90; 54Alp Peg ; 2.49; 11000;occ; 112; 0;42914
 22; 5678.8; 16-MAY-2010 02:58:03; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;42914
 23; 5827.3; 16-MAY-2010 03:00:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42914
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 26; 6794.1; 16-MAY-2010 03:16:38; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;42915
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 29; 7200.0; 16-MAY-2010 03:23:24; Dark ; 55.0; 75; 26Eps Sco ; 2.29; 4250;occ; 110; 0;42915
 30; 7386.2; 16-MAY-2010 03:26:30; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;42915
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 32; 7763.0; 16-MAY-2010 03:32:47; Bright; 41.0; 104; 27Bet Lib ; 2.61; 13100;occ; 82; 0;42915
 33; 7893.0; 16-MAY-2010 03:34:57; Bright; 50.5; 120; 1Del Oph ; 2.73; 3200;occ; 101; 0;42915
 34; 8083.1; 16-MAY-2010 03:38:07; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42915
 35; 8418.5; 16-MAY-2010 03:43:42; Bright; 41.0; 83; ; 2.38; 11000;occ; 82; 0;42915
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 10; 326.8; 16-MAY-2010 04:50:03; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;42916
 11; 758.3; 16-MAY-2010 04:57:14; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;42916
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22; 3091.8; 16-MAY-2010 05:36:08; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;42916
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2;-2074.4; 16-MAY-2010 05:50:38; Bright; 52.5; 74; 11Bet Cas ; 2.27; 6600;occ; 105; 0;42916
3;-1521.5; 16-MAY-2010 05:59:50; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;42916
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 9; 5.7; 17-MAY-2010 07:34:16; Dark ; 51.5; 31; Alp Gru ; 1.73; 15200;occ; 103; 0;42931
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11; 766.4; 17-MAY-2010 07:46:57; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;42932
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13; 1034.0; 17-MAY-2010 07:51:25; Dark ; 52.0; 25; 35Lam Sco ; 1.62; 28000;occ; 104; 0;42932
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 8; 3960.6; 17-MAY-2010 08:40:11; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42932
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16; 6375.1; 17-MAY-2010 11:01:02; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;42934
17; 6803.2; 17-MAY-2010 11:08:10; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;42934

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 7; 956.9; 17-MAY-2010 22:55:31; Dark ; 59.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 118; 0;42941
 8; 1039.8; 17-MAY-2010 22:56:54; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;42941
 9; 1175.7; 17-MAY-2010 22:59:10; Dark ; 51.5; 75; 26Eps Sco ; 2.29; 4250;occ; 103; 0;42941
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16; 2566.9; 17-MAY-2010 23:22:21; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;42941
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21; 4771.2; 17-MAY-2010 23:59:05; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;42941
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 17; 6804.0; 17-MAY-2010 12:48:47; Dark ; 47.0; 141; Bet Ara ; 2.84; 4600;occ; 94; 0;42935
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 11; 4873.0; 17-MAY-2010 13:57:11; Dark ; 53.5; 90; 54Alp Peg ; 2.49; 11000;occ; 107; 0;42935
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 13; 5846.3; 17-MAY-2010 14:13:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42935
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 17; 6804.3; 17-MAY-2010 14:29:23; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;42936
 18; 6988.8; 17-MAY-2010 14:32:27; Dark ; 55.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 110; 0;42936
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 18; 6805.2; 17-MAY-2010 16:10:00; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;42937
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 6; 2378.8; 17-MAY-2010 16:36:49; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;42937
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 17; 6046.3; 17-MAY-2010 17:37:57; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;42938
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 19; 6805.5; 17-MAY-2010 17:50:36; Dark ; 50.0; 141; Bet Ara ; 2.84; 4600;occ; 100; 0;42938
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 21; 6805.9; 17-MAY-2010 19:31:12; Dark ; 51.5; 141; Bet Ara ; 2.84; 4600;occ; 103; 0;42939
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 6; 771.3; 18-MAY-2010 00:33:01; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42942
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 12; 1728.4; 18-MAY-2010 00:48:58; Bright; 40.0; 104; 27Bet Lib ; 2.61; 13100;occ; 80; 0;42942
 13; 1851.5; 18-MAY-2010 00:51:01; Bright; 48.0; 120; 1Del Oph ; 2.73; 3200;occ; 96; 0;42942
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5; 346.0; 18-MAY-2010 02:06:32; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42943
6; 774.6; 18-MAY-2010 02:13:40; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;42943
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11; 836.7; 18-MAY-2010 03:55:19; Dark ; 43.5; 147; Alp Ara ; 2.88; 26000;occ; 87; 0;42944
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 5; 1731.9; 21-MAY-2010 17:40:46; Bright; 39.0; 104; 27Bet Lib ; 2.61; 13100;occ; 78; 0;42995
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17; 3055.8; 21-MAY-2010 23:04:38; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;42998

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22; 4790.4; 21-MAY-2010 23:33:32; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;42998
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13; 1843.1; 22-MAY-2010 02:05:37; Bright; 46.0; 120; 1Del Oph ; 2.73; 3200;occ; 92; 0;43000
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17; 3055.2; 22-MAY-2010 02:25:49; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;43000
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 8; 799.5; 22-MAY-2010 03:28:49; Dark ; 47.5; 141; Bet Ara ; 2.84; 4600;occ; 95; 0;43001
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15; 1843.1; 22-MAY-2010 03:46:13; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;43001
16; 2028.5; 22-MAY-2010 03:49:18; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43001
17; 2371.5; 22-MAY-2010 03:55:01; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43001
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19; 3054.8; 22-MAY-2010 04:06:24; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43001
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 9; 964.3; 22-MAY-2010 05:12:10; Dark ; 56.0; 40; The Sco ; 1.86; 7100;occ; 112; 0;43002
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 14; 1732.4; 22-MAY-2010 05:24:58; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43002
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 18; 2560.9; 22-MAY-2010 05:38:46; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;43002
 19; 3054.1; 22-MAY-2010 05:47:00; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;43002
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 12; 3173.5; 22-MAY-2010 20:54:22; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;43011
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 21; 7411.8; 22-MAY-2010 10:20:49; Dark ; 54.0; 16; 21Alp Sco ; 1.02; 3000;occ; 108; 0;43005
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16; 3171.7; 24-MAY-2010 01:24:31; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;43028
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18; 3936.1; 24-MAY-2010 23:25:03; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43041
19; 4007.8; 24-MAY-2010 23:26:14; Bright; 37.5; 68; 18Alp Cas ; 2.22; 4500;occ; 75; 0;43041
20; 4382.8; 24-MAY-2010 23:32:29; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43041
21; 4535.8; 24-MAY-2010 23:35:02; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;43041
22; 4806.1; 24-MAY-2010 23:39:33; Dark ; 47.5; 140; 88Gam Peg ; 2.83; 26000;occ; 95; 0;43041
23; 5336.4; 24-MAY-2010 23:48:23; Dark ; 27.0; 52; 16Bet Cet ; 2.04; 4500;occ; 54; 0;43041
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 2; -174.3; 24-MAY-2010 23:57:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43041
 3; -6.8; 24-MAY-2010 23:59:56; Dark ; 48.5; 63; Bet Gru ; 2.15; 2800;occ; 97; 0;43041
 4; 96.1; 25-MAY-2010 00:01:39; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;43042
 5; 415.9; 25-MAY-2010 00:06:58; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43042
 6; 817.7; 25-MAY-2010 00:13:40; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;43042
 7; 985.8; 25-MAY-2010 00:16:28; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;43042
 8; 1096.1; 25-MAY-2010 00:18:19; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;43042
 9; 1215.9; 25-MAY-2010 00:20:18; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;43042
10; 1385.6; 25-MAY-2010 00:23:08; Dark ; 52.0; 16; 21Alp Sco ; 1.02; 3000;occ; 104; 0;43042
11; 1527.9; 25-MAY-2010 00:25:30; Bright; 39.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 79; 0;43042
12; 1735.8; 25-MAY-2010 00:28:58; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43042
13; 1838.6; 25-MAY-2010 00:30:41; Bright; 45.5; 120; 1Del Oph ; 2.73; 3200;occ; 91; 0;43042
14; 2022.4; 25-MAY-2010 00:33:45; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43042
15; 2369.0; 25-MAY-2010 00:39:32; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;43042
16; 3038.7; 25-MAY-2010 00:50:41; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;43042
17; 3170.6; 25-MAY-2010 00:52:53; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43042
18; 3935.7; 25-MAY-2010 01:05:38; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43042
19; 4007.7; 25-MAY-2010 01:06:50; Bright; 38.5; 68; 18Alp Cas ; 2.22; 4500;occ; 77; 0;43042
20; 4382.8; 25-MAY-2010 01:13:05; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43042
21; 4535.9; 25-MAY-2010 01:15:38; Dark ; 44.5; 58; 21Alp And ; 2.07; 11000;occ; 89; 0;43042
22; 4806.4; 25-MAY-2010 01:20:09; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;43042
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 2; -2027.7; 24-MAY-2010 06:40:16; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43031
 3; -1654.3; 24-MAY-2010 06:46:29; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43031
 4; -1502.0; 24-MAY-2010 06:49:01; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43031
 5; -1233.6; 24-MAY-2010 06:53:30; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43031
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 7; -250.9; 24-MAY-2010 07:09:52; Dark ; 53.5; 18; 24Alp PsA ; 1.17; 9700;occ; 107; 0;43031
 8; -95.2; 24-MAY-2010 07:12:28; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;43031
 9; 87.5; 24-MAY-2010 07:15:31; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43032
10; 408.9; 24-MAY-2010 07:20:52; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43032
11; 813.4; 24-MAY-2010 07:27:37; Dark ; 49.5; 141; Bet Ara ; 2.84; 4600;occ; 99; 0;43032
12; 980.9; 24-MAY-2010 07:30:24; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43032
13; 1091.3; 24-MAY-2010 07:32:15; Dark ; 48.5; 25; 35Lam Sco ; 1.62; 28000;occ; 97; 0;43032
14; 1212.3; 24-MAY-2010 07:34:16; Dark ; 45.5; 75; 26Eps Sco ; 2.29; 4250;occ; 91; 0;43032
15; 1383.0; 24-MAY-2010 07:37:06; Dark ; 59.5; 16; 21Alp Sco ; 1.02; 3000;occ; 119; 0;43032
16; 1526.1; 24-MAY-2010 07:39:29; Bright; 41.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 83; 0;43032
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 2; 1839.9; 24-MAY-2010 07:44:43; Bright; 42.0; 120; 1Del Oph ; 2.73; 3200;occ; 84; 0;43032
 3; 2023.5; 24-MAY-2010 07:47:47; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43032
 4; 2369.5; 24-MAY-2010 07:53:33; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;43032
 5; 3042.5; 24-MAY-2010 08:04:46; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;43032
 6; 3171.6; 24-MAY-2010 08:06:55; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;43032
 7; 3936.7; 24-MAY-2010 08:19:40; Bright; 38.0; 76; 27Gam Cas ; 2.30; 30000;occ; 76; 0;43032
 8; 4008.2; 24-MAY-2010 08:20:51; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;43032
 9; 4381.6; 24-MAY-2010 08:27:05; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43032
10; 4534.3; 24-MAY-2010 08:29:38; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43032
11; 4802.7; 24-MAY-2010 08:34:06; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;43032
12; 5332.1; 24-MAY-2010 08:42:55; Dark ; 48.0; 52; 16Bet Cet ; 2.04; 4500;occ; 96; 0;43032
13; 5785.9; 24-MAY-2010 08:50:29; Dark ; 53.5; 18; 24Alp PsA ; 1.17; 9700;occ; 107; 0;43032
14; 5881.2; 24-MAY-2010 08:52:05; Dark ; 43.5; 0; ; 0.00; 0;occ; 87; 0;43032

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 16; 6124.5; 24-MAY-2010 08:56:08; Dark ; 54.5; 31; Alp Gru ; 1.73; 15200;occ; 109; 0;43033
 17; 6445.4; 24-MAY-2010 09:01:29; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43033
 18; 6850.0; 24-MAY-2010 09:08:13; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43033
 19; 7017.2; 24-MAY-2010 09:11:01; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;43033
 20; 7127.7; 24-MAY-2010 09:12:51; Dark ; 52.0; 25; 35Lam Sco ; 1.62; 28000;occ; 104; 0;43033
 21; 7248.8; 24-MAY-2010 09:14:52; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;43033
 22; 7419.3; 24-MAY-2010 09:17:43; Dark ; 54.0; 16; 21Alp Sco ; 1.02; 3000;occ; 108; 0;43033
 23; 7562.1; 24-MAY-2010 09:20:05; Bright; 43.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 86; 0;43033
 24; 7771.0; 24-MAY-2010 09:23:34; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;43033

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 3; 2023.6; 24-MAY-2010 09:28:23; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43033
 4; 2369.6; 24-MAY-2010 09:34:09; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43033
 5; 3042.1; 24-MAY-2010 09:45:21; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;43033
 6; 3171.5; 24-MAY-2010 09:47:31; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;43033
 7; 3936.3; 24-MAY-2010 10:00:16; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;43033
 8; 4008.3; 24-MAY-2010 10:01:28; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;43033
 9; 4381.8; 24-MAY-2010 10:07:41; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43033
 10; 4534.5; 24-MAY-2010 10:10:14; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;43033
 11; 4803.3; 24-MAY-2010 10:14:43; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43033
 12; 5332.6; 24-MAY-2010 10:23:32; Dark ; 43.5; 52; 16Bet Cet ; 2.04; 4500;occ; 87; 0;43033
 13; 5787.3; 24-MAY-2010 10:31:07; Dark ; 57.5; 18; 24Alp PsA ; 1.17; 9700;occ; 115; 0;43033
 14; 5877.3; 24-MAY-2010 10:32:37; Dark ; 43.5; 0; ; 0.00; 0;occ; 87; 0;43033
 15; 6023.1; 24-MAY-2010 10:35:02; Dark ; 46.5; 63; Bet Gru ; 2.15; 2800;occ; 93; 0;43033
 16; 6124.9; 24-MAY-2010 10:36:44; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;43034
 17; 6446.4; 24-MAY-2010 10:42:06; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43034
 18; 6850.1; 24-MAY-2010 10:48:49; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;43034
 19; 7017.5; 24-MAY-2010 10:51:37; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;43034
 20; 7128.2; 24-MAY-2010 10:53:27; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;43034
 21; 7249.0; 24-MAY-2010 10:55:28; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;43034
 22; 7419.6; 24-MAY-2010 10:58:19; Dark ; 55.5; 16; 21Alp Sco ; 1.02; 3000;occ; 111; 0;43034
 23; 7562.0; 24-MAY-2010 11:00:41; Bright; 41.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 83; 0;43034

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 3; 2023.2; 24-MAY-2010 11:08:58; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43034
 4; 2369.6; 24-MAY-2010 11:14:45; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;43034
 5; 3041.5; 24-MAY-2010 11:25:57; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43034
 6; 3171.3; 24-MAY-2010 11:28:06; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;43034
 7; 3936.2; 24-MAY-2010 11:40:51; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43034
 8; 4008.3; 24-MAY-2010 11:42:03; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43034
 9; 4382.1; 24-MAY-2010 11:48:17; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;43034
 10; 4534.6; 24-MAY-2010 11:50:50; Dark ; 49.5; 58; 21Alp And ; 2.07; 11000;occ; 99; 0;43034
 11; 4803.4; 24-MAY-2010 11:55:18; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43034
 12; 5333.2; 24-MAY-2010 12:04:08; Dark ; 45.0; 52; 16Bet Cet ; 2.04; 4500;occ; 90; 0;43034
 13; 5871.3; 24-MAY-2010 12:13:06; Dark ; 54.5; 0; ; 0.00; 0;occ; 109; 0;43034
 14; 6023.8; 24-MAY-2010 12:15:39; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;43034
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 16; 6447.0; 24-MAY-2010 12:22:42; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43035
 17; 6850.8; 24-MAY-2010 12:29:26; Dark ; 48.0; 141; Bet Ara ; 2.84; 4600;occ; 96; 0;43035
 18; 7018.2; 24-MAY-2010 12:32:13; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;43035
 19; 7128.7; 24-MAY-2010 12:34:04; Dark ; 48.5; 25; 35Lam Sco ; 1.62; 28000;occ; 97; 0;43035
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 21; 7419.9; 24-MAY-2010 12:38:55; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;43035
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 2; 1839.0; 24-MAY-2010 12:46:30; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;43035
 3; 2023.0; 24-MAY-2010 12:49:34; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43035
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 5; 3171.3; 24-MAY-2010 13:08:42; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43035
 6; 3936.2; 24-MAY-2010 13:21:27; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43035
 7; 4007.9; 24-MAY-2010 13:22:39; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43035
 8; 4382.0; 24-MAY-2010 13:28:53; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;43035
 9; 4534.8; 24-MAY-2010 13:31:26; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43035
 10; 4803.7; 24-MAY-2010 13:35:55; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43035

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 12; 5867.3; 24-MAY-2010 13:53:38; Dark ; 54.5; 0; ; 0.00; 0;occ; 109; 0;43035
 13; 6024.8; 24-MAY-2010 13:56:16; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;43035
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 17; 7018.8; 24-MAY-2010 14:12:50; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;43036
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 19; 7249.8; 24-MAY-2010 14:16:41; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;43036
 20; 7420.2; 24-MAY-2010 14:19:31; Dark ; 59.5; 16; 21Alp Sco ; 1.02; 3000;occ; 119; 0;43036
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 5; 2369.5; 24-MAY-2010 14:35:56; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;43036
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 7; 3171.4; 24-MAY-2010 14:49:18; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;43036
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 13; 5334.2; 24-MAY-2010 15:25:21; Dark ; 49.5; 52; 16Bet Cet ; 2.04; 4500;occ; 99; 0;43036
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 16; 6127.7; 24-MAY-2010 15:38:35; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;43037
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 18; 6851.5; 24-MAY-2010 15:50:38; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43037
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 6; 3040.4; 24-MAY-2010 16:27:43; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;43037
 7; 3171.2; 24-MAY-2010 16:29:54; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;43037
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 17; 6449.0; 24-MAY-2010 17:24:32; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43038
 18; 6852.2; 24-MAY-2010 17:31:15; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;43038
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21; 6450.5; 24-MAY-2010 20:45:45; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43040
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 7; 986.4; 25-MAY-2010 01:57:05; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;43043
 8; 1097.1; 25-MAY-2010 01:58:55; Dark ; 50.5; 25; 35Lam Sco ; 1.62; 28000;occ; 101; 0;43043
 9; 1216.4; 25-MAY-2010 02:00:55; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;43043
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13; 1838.6; 25-MAY-2010 02:11:17; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43043
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 9; 97.7; 25-MAY-2010 03:22:52; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;43044
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 3; 3.4; 25-MAY-2010 21:47:53; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;43054
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 6; 1218.3; 25-MAY-2010 10:23:56; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;43048
 7; 1387.0; 25-MAY-2010 10:26:45; Dark ; 57.0; 16; 21Alp Sco ; 1.02; 3000;occ; 114; 0;43048

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3; 2021.6; 25-MAY-2010 10:37:20; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;43048
4; 2368.7; 25-MAY-2010 10:43:07; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;43048
5; 3036.6; 25-MAY-2010 10:54:15; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43048
6; 3170.7; 25-MAY-2010 10:56:29; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;43048
7; 3935.6; 25-MAY-2010 11:09:14; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43048
8; 4007.4; 25-MAY-2010 11:10:25; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;43048
9; 4383.4; 25-MAY-2010 11:16:41; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43048
10; 4537.2; 25-MAY-2010 11:19:15; Dark ; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;43048
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12; 5339.7; 25-MAY-2010 11:32:38; Dark ; 46.0; 52; 16Bet Cet ; 2.04; 4500;occ; 92; 0;43048
13; 5865.5; 25-MAY-2010 11:41:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43048
14; 6034.6; 25-MAY-2010 11:44:13; Dark ; 59.0; 63; Bet Gru ; 2.15; 2800;occ; 118; 0;43048
15; 6138.3; 25-MAY-2010 11:45:56; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;43049
16; 6456.6; 25-MAY-2010 11:51:15; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43049
17; 6856.5; 25-MAY-2010 11:57:55; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;43049
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19; 7137.2; 25-MAY-2010 12:02:35; Dark ; 47.5; 115; 34Ups Sco ; 2.70; 26000;occ; 95; 0;43049
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3; 2021.5; 25-MAY-2010 12:17:55; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43049
4; 2369.0; 25-MAY-2010 12:23:43; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;43049
5; 3036.3; 25-MAY-2010 12:34:50; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43049
6; 3170.4; 25-MAY-2010 12:37:04; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43049
7; 3935.7; 25-MAY-2010 12:49:50; Bright; 35.0; 76; 27Gam Cas ; 2.30; 30000;occ; 70; 0;43049
8; 4007.2; 25-MAY-2010 12:51:01; Bright; 40.0; 68; 18Alp Cas ; 2.22; 4500;occ; 80; 0;43049
9; 4383.6; 25-MAY-2010 12:57:18; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43049
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13; 5866.1; 25-MAY-2010 13:22:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43049
14; 6035.3; 25-MAY-2010 13:24:49; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;43049
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16; 6457.6; 25-MAY-2010 13:31:52; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43050
17; 6857.1; 25-MAY-2010 13:38:31; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;43050
18; 7026.0; 25-MAY-2010 13:41:20; Dark ; 51.0; 40; The Sco ; 1.86; 7100;occ; 102; 0;43050
19; 7136.2; 25-MAY-2010 13:43:10; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;43050
20; 7255.1; 25-MAY-2010 13:45:09; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;43050
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3; 1838.0; 25-MAY-2010 13:55:28; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43050
4; 2021.4; 25-MAY-2010 13:58:31; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43050
5; 2368.8; 25-MAY-2010 14:04:19; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;43050
6; 3035.6; 25-MAY-2010 14:15:25; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;43050
7; 3170.3; 25-MAY-2010 14:17:40; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;43050
8; 3935.9; 25-MAY-2010 14:30:26; Bright; 39.5; 76; 27Gam Cas ; 2.30; 30000;occ; 79; 0;43050
9; 4007.5; 25-MAY-2010 14:31:37; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43050
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14; 5866.8; 25-MAY-2010 15:02:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43050
15; 6139.9; 25-MAY-2010 15:07:10; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43051
16; 6458.4; 25-MAY-2010 15:12:28; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43051
17; 6857.5; 25-MAY-2010 15:19:07; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;43051
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19; 7136.8; 25-MAY-2010 15:23:47; Dark ; 51.0; 25; 35Lam Sco ; 1.62; 28000;occ; 102; 0;43051
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4; 1838.0; 25-MAY-2010 15:36:04; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43051
5; 2021.4; 25-MAY-2010 15:39:07; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43051
6; 2368.9; 25-MAY-2010 15:44:55; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43051
7; 3035.6; 25-MAY-2010 15:56:01; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;43051
8; 3170.4; 25-MAY-2010 15:58:16; Bright; 33.0; 60; 7Bet UMi ; 2.08; 3950;occ; 66; 0;43051
9; 3935.8; 25-MAY-2010 16:11:02; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43051
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11; 4384.3; 25-MAY-2010 16:18:30; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43051
12; 4538.0; 25-MAY-2010 16:21:04; Dark ; 50.0; 58; 21Alp And ; 2.07; 11000;occ; 100; 0;43051
13; 4810.2; 25-MAY-2010 16:25:36; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;43051
14; 5341.2; 25-MAY-2010 16:34:27; Dark ; 47.0; 52; 16Bet Cet ; 2.04; 4500;occ; 94; 0;43051
15; 5867.4; 25-MAY-2010 16:43:13; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;43051
16; 6141.0; 25-MAY-2010 16:47:47; Dark ; 46.5; 31; Alp Gru ; 1.73; 15200;occ; 93; 0;43052
17; 6459.0; 25-MAY-2010 16:53:05; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43052
18; 6858.2; 25-MAY-2010 16:59:44; Dark ; 49.0; 141; Bet Ara ; 2.84; 4600;occ; 98; 0;43052
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20; 7137.3; 25-MAY-2010 17:04:23; Dark ; 52.0; 25; 35Lam Sco ; 1.62; 28000;occ; 104; 0;43052
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5; 1388.7; 25-MAY-2010 20:30:22; Dark ; 52.0; 16; 21Alp Sco ; 1.02; 3000;occ; 104; 0;43054
6; 1529.5; 25-MAY-2010 20:32:43; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;43054
7; 1737.0; 25-MAY-2010 20:36:11; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;43054
8; 1837.8; 25-MAY-2010 20:37:51; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;43054
9; 2020.5; 25-MAY-2010 20:40:54; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43054
10; 2385.0; 25-MAY-2010 20:46:59; Bright; 40.5; 67; 5Alp CrB ; 2.22; 11000;occ; 81; 0;43054
11; 3034.5; 25-MAY-2010 20:57:48; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;43054
12; 3170.1; 25-MAY-2010 21:00:04; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43054
13; 3935.7; 25-MAY-2010 21:12:49; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43054
14; 4006.8; 25-MAY-2010 21:14:00; Bright; 39.0; 68; 18Alp Cas ; 2.22; 4500;occ; 78; 0;43054
15; 4384.2; 25-MAY-2010 21:20:18; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43054
16; 4538.4; 25-MAY-2010 21:22:52; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43054
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3; 1529.3; 25-MAY-2010 17:11:31; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;43052
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5; 1838.1; 25-MAY-2010 17:16:40; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43052
6; 2021.4; 25-MAY-2010 17:19:43; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43052
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10; 3935.4; 25-MAY-2010 17:51:37; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43052
11; 4007.4; 25-MAY-2010 17:52:49; Bright; 39.0; 68; 18Alp Cas ; 2.22; 4500;occ; 78; 0;43052
12; 4384.2; 25-MAY-2010 17:59:06; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43052
13; 4537.9; 25-MAY-2010 18:01:40; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43052
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15; 5342.1; 25-MAY-2010 18:15:04; Dark ; 47.0; 52; 16Bet Cet ; 2.04; 4500;occ; 94; 0;43052
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17; 6038.0; 25-MAY-2010 18:26:40; Dark ; 46.5; 63; Bet Gru ; 2.15; 2800;occ; 93; 0;43052
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3; 1220.3; 25-MAY-2010 18:46:58; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;43053
4; 1388.6; 25-MAY-2010 18:49:46; Dark ; 54.0; 16; 21Alp Sco ; 1.02; 3000;occ; 108; 0;43053
5; 1529.5; 25-MAY-2010 18:52:07; Bright; 44.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 88; 0;43053
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13; 4007.0; 25-MAY-2010 19:33:25; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;43053
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21; 6460.1; 25-MAY-2010 20:14:18; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43054
22; 6859.0; 25-MAY-2010 20:20:57; Dark ; 46.5; 141; Bet Ara ; 2.84; 4600;occ; 93; 0;43054

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3; 4.9; 26-MAY-2010 01:09:06; Dark ; 43.5; 63; Bet Gru ; 2.15; 2800;occ; 87; 0;43056
4; 109.2; 26-MAY-2010 01:10:50; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43057
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6; 824.2; 26-MAY-2010 01:22:46; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;43057
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 8; 7.2; 26-MAY-2010 06:10:56; Dark ; 46.5; 63; Bet Gru ; 2.15; 2800;occ; 93; 0;43059
 9; 111.4; 26-MAY-2010 06:12:41; Dark ; 46.5; 31; Alp Gru ; 1.73; 15200;occ; 93; 0;43060
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2; 2019.7; 26-MAY-2010 11:46:17; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;43063
3; 2382.7; 26-MAY-2010 11:52:20; Bright; 38.5; 67; 5Alp CrB ; 2.22; 11000;occ; 77; 0;43063
4; 3031.1; 26-MAY-2010 12:03:08; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43063
5; 3169.1; 26-MAY-2010 12:05:26; Bright; 53.0; 60; 7Bet UMi ; 2.08; 3950;occ; 106; 0;43063
6; 3935.0; 26-MAY-2010 12:18:12; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;43063
7; 4006.5; 26-MAY-2010 12:19:23; Bright; 39.0; 68; 18Alp Cas ; 2.22; 4500;occ; 78; 0;43063
8; 4385.7; 26-MAY-2010 12:25:43; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43063
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 14; 6151.7; 26-MAY-2010 12:55:09; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;43064
 15; 6467.5; 26-MAY-2010 13:00:24; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;43064
 16; 6863.6; 26-MAY-2010 13:07:00; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;43064
 17; 7033.8; 26-MAY-2010 13:09:51; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43064
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 10; 4386.4; 26-MAY-2010 14:06:19; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43064
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 18; 6864.1; 26-MAY-2010 14:47:37; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;43065
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 5; 434.8; 26-MAY-2010 21:23:27; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43069
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 9; 1225.4; 26-MAY-2010 21:36:38; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;43069
 10; 1353.2; 26-MAY-2010 21:38:46; Dark ; 46.5; 136; 23Tau Sco ; 2.82; 30000;occ; 93; 0;43069
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 12; 1738.3; 26-MAY-2010 21:45:11; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;43069
 13; 1836.3; 26-MAY-2010 21:46:49; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;43069
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 16; 3028.7; 26-MAY-2010 22:06:41; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;43069


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21; 4817.4; 26-MAY-2010 22:36:30; Dark ; 48.0; 140; 88Gam Peg ; 2.83; 26000;occ; 96; 0;43069
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15; 2381.3; 26-MAY-2010 23:36:30; Bright; 38.5; 67; 5Alp CrB ; 2.22; 11000;occ; 77; 0;43070
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17; 3168.8; 26-MAY-2010 23:49:37; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;43070
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13; 1701.6; 30-MAY-2010 22:59:18; Bright; 42.0; 98; 13Zet Oph ; 2.57; 30000;occ; 84; 0;43127
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 23; 4843.2; 30-MAY-2010 23:51:40; Dark ; 52.0; 140; 88Gam Peg ; 2.83; 26000;occ; 104; 0;43127
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