

# GOMOS Daily Report 05-APR-2011

## Level 0 and Level 1 products

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This report presents the daily analysis on parameters extracted from GOMOS level 1b data (GOM\_TRA\_1P). It is intended to monitor some important parameters that will impact the quality of the level 2 products as the Spectrometers and Photometers CCD Temperatures and Dark Charge, SATU noise equivalent angle... A list of level 0 products (and content) that have arrived during the actual month to the PCF is also given.

Item	Value
Time of report generation	08APR2011 07:04:55
Data source version	GOMOS/5.01
Start time of products	05APR2011 14:16:10
Stop time of products	05APR2011 23:59:52
Store outputs in DB	Yes
Nb of level 1b prods	131
Nb of prods with errors	1

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

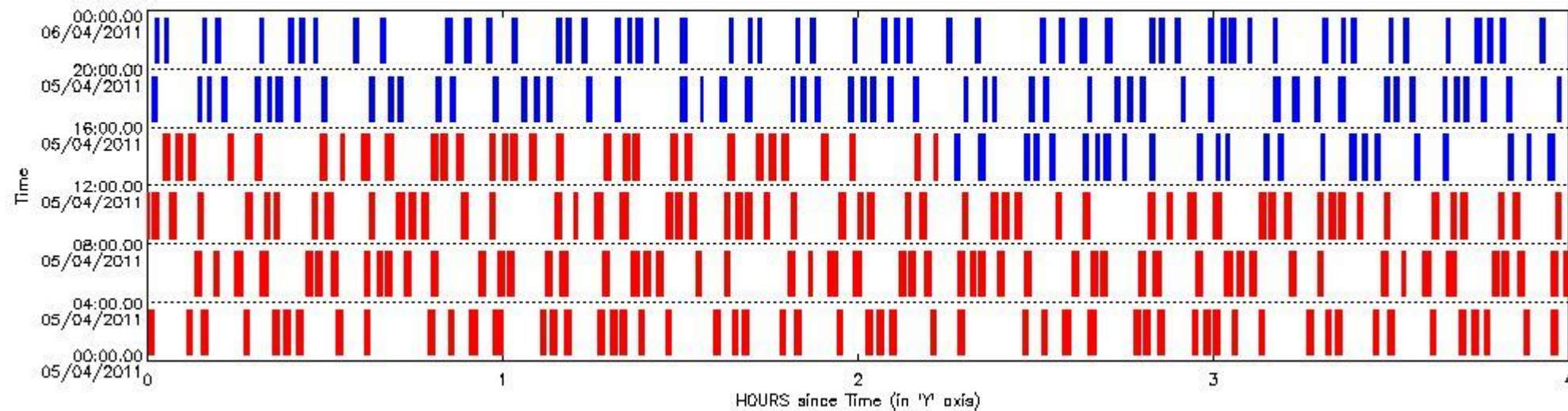
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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
05-APR-2011 00:00:06	77EpsUMa	32	47559
05-APR-2011 00:06:28	7BetUMi	60	47559
05-APR-2011 00:08:54	14EtaDra	119	47559
05-APR-2011 00:16:07	5AlpCep	89	47559
05-APR-2011 00:20:55	18DelCyg	144	47559
05-APR-2011 00:22:59	37GamCyg	66	47559
05-APR-2011 00:25:08	53EpsCyg	92	47559
05-APR-2011 00:31:52	8EpsPeg	61	47559
05-APR-2011 00:36:33	22BetAqr	154	47559
05-APR-2011 00:47:26	DSA1040	0	47559
05-APR-2011 00:50:42	34SigSgr	57	47559
05-APR-2011 00:54:10	20EpsSgr	38	47560
05-APR-2011 00:58:22	35LamSco	25	47560
05-APR-2011 01:06:12	AlpLup	78	47560
05-APR-2011 01:07:48	EtaCen	81	47560

05-APR-2011 01:10:25	5TheCen	54	47560
05-APR-2011 01:16:05	9BetCrv	106	47560
05-APR-2011 01:18:10	7DelCrv	163	47560
05-APR-2011 01:19:38	67AlpVir	15	47560
05-APR-2011 01:22:48	29GamVir	121	47560
05-APR-2011 01:27:26	94BetLeo	62	47560
05-APR-2011 01:35:31	12Alp2CVn	152	47560
05-APR-2011 01:38:42	64GamUMa	87	47560
05-APR-2011 01:40:20	77EpsUMa	32	47560
05-APR-2011 01:46:42	7BetUMi	60	47560
05-APR-2011 01:49:08	14EtaDra	119	47560
05-APR-2011 01:56:21	5AlpCep	89	47560
05-APR-2011 02:01:09	18DelCyg	144	47560
05-APR-2011 02:03:13	37GamCyg	66	47560
05-APR-2011 02:05:22	53EpsCyg	92	47560
05-APR-2011 02:12:06	8EpsPeg	61	47560
05-APR-2011 02:16:47	22BetAqr	154	47560
05-APR-2011 02:27:41	DSA1040	0	47560
05-APR-2011 02:30:57	34SigSgr	57	47560
05-APR-2011 02:34:25	20EpsSgr	38	47561
05-APR-2011 02:38:38	35LamSco	25	47561
05-APR-2011 02:46:27	AlpLup	78	47561
05-APR-2011 02:48:03	EtaCen	81	47561
05-APR-2011 02:50:39	5TheCen	54	47561
05-APR-2011 02:56:19	9BetCrv	106	47561
05-APR-2011 02:58:25	7DelCrv	163	47561
05-APR-2011 02:59:52	67AlpVir	15	47561
05-APR-2011 03:03:02	29GamVir	121	47561
05-APR-2011 03:07:40	94BetLeo	62	47561
05-APR-2011 03:15:45	12Alp2CVn	152	47561
05-APR-2011 03:18:56	64GamUMa	87	47561
05-APR-2011 03:20:33	77EpsUMa	32	47561
05-APR-2011 03:26:56	7BetUMi	60	47561
05-APR-2011 03:29:21	14EtaDra	119	47561
05-APR-2011 03:36:34	5AlpCep	89	47561
05-APR-2011 03:41:23	18DelCyg	144	47561
05-APR-2011 03:43:27	37GamCyg	66	47561
05-APR-2011 03:45:36	53EpsCyg	92	47561
05-APR-2011 03:52:20	8EpsPeg	61	47561
05-APR-2011 03:57:02	22BetAqr	154	47561
05-APR-2011 04:07:56	DSA1040	0	47561
05-APR-2011 04:11:13	34SigSgr	57	47561
05-APR-2011 04:14:41	20EpsSgr	38	47562
05-APR-2011 04:18:53	35LamSco	25	47562
05-APR-2011 04:26:41	AlpLup	78	47562
05-APR-2011 04:28:17	EtaCen	81	47562
05-APR-2011 04:30:54	5TheCen	54	47562
05-APR-2011 04:36:33	9BetCrv	106	47562
05-APR-2011 04:38:39	7DelCrv	163	47562
05-APR-2011 04:40:06	67AlpVir	15	47562
05-APR-2011 04:43:16	29GamVir	121	47562
05-APR-2011 04:47:54	94BetLeo	62	47562
05-APR-2011 04:55:58	12Alp2CVn	152	47562
05-APR-2011 04:59:10	64GamUMa	87	47562
05-APR-2011 05:00:47	77EpsUMa	32	47562
05-APR-2011 05:07:10	7BetUMi	60	47562
05-APR-2011 05:09:34	14EtaDra	119	47562
05-APR-2011 05:16:48	5AlpCep	89	47562
05-APR-2011 05:21:36	18DelCyg	144	47562

05-APR-2011 05:23:40	37GamCyg	66	47562
05-APR-2011 05:25:50	53EpsCyg	92	47562
05-APR-2011 05:32:35	8EpsPeg	61	47562
05-APR-2011 05:37:16	22BetAqr	154	47562
05-APR-2011 05:48:10	DSA1040	0	47562
05-APR-2011 05:51:29	34SigSgr	57	47562
05-APR-2011 05:54:56	20EpsSgr	38	47563
05-APR-2011 05:59:09	35LamSco	25	47563
05-APR-2011 06:06:56	AlpLup	78	47563
05-APR-2011 06:08:32	EtaCen	81	47563
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05-APR-2011 06:47:23	7BetUMi	60	47563
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05-APR-2011 08:37:16	5AlpCep	89	47564
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05-APR-2011 12:40:10	35LamSco	25	47567
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05-APR-2011 12:59:49	7DelCrv	163	47567
05-APR-2011 13:01:16	67AlpVir	15	47567
05-APR-2011 13:04:25	29GamVir	121	47567
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05-APR-2011 13:53:46	8EpsPeg	61	47567



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05-APR-2011 14:12:46	34SigSgr	57	47567

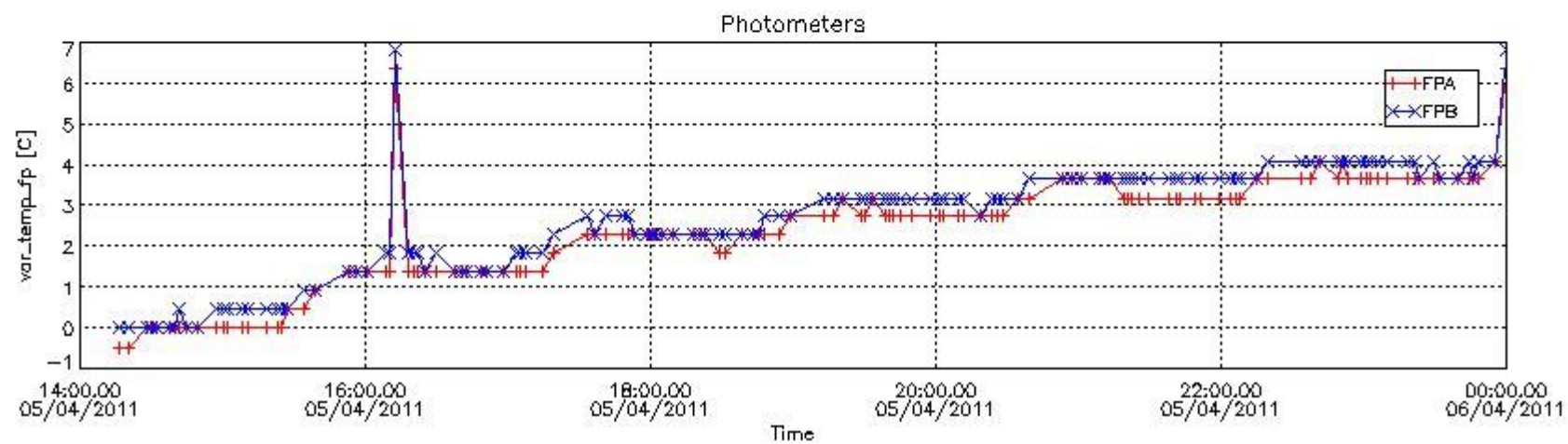
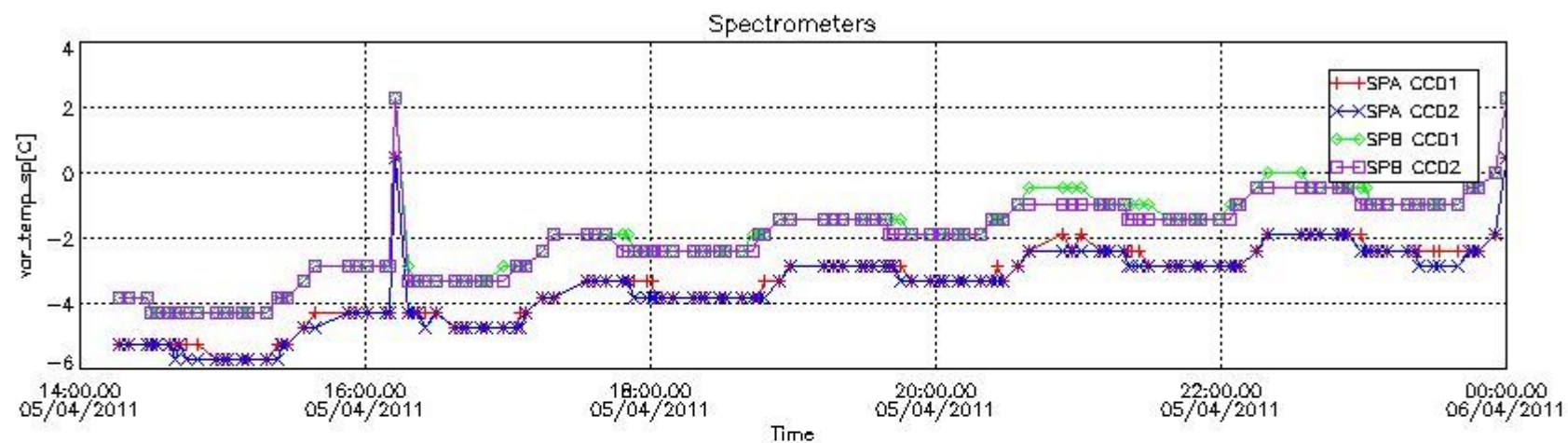
## 2.4 Summary of processed GOM\_TRA\_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDK20110405_141610_000000573101_00140_47568_9832.N1	05-APR-2011 14:16:10	Dark	57.000	38	20Eps Sgr	1.8360	11000.	114	47568	No
2	GOM_TRA_1PNPDK20110405_142023_000000603101_00140_47568_9833.N1	05-APR-2011 14:20:23	Dark	59.500	25	35Lam Sco	1.6200	28000.	119	47568	No
3	GOM_TRA_1PNPDK20110405_142806_000000433101_00140_47568_9834.N1	05-APR-2011 14:28:06	Straylight	43.000	78	Alp Lup	2.3040	28000.	86	47568	No
4	GOM_TRA_1PNPDK20110405_142942_000000443101_00140_47568_9835.N1	05-APR-2011 14:29:42	Straylight	44.000	81	Eta Cen	2.3560	28000.	88	47568	No
5	GOM_TRA_1PNPDK20110405_143218_000000503101_00140_47568_9836.N1	05-APR-2011 14:32:18	Straylight	50.000	54	5The Cen	2.0550	4500.0	100	47568	No
6	GOM_TRA_1PNPDK20110405_143756_000000463101_00140_47568_9886.N1	05-APR-2011 14:37:56	Twilight_stray	46.000	106	9Bet Crv	2.6480	5600.0	92	47568	No
7	GOM_TRA_1PNPDK20110405_144001_000000433101_00140_47568_9887.N1	05-APR-2011 14:40:01	Twilight_stray	42.500	163	7Del Crv	2.9450	11000.	85	47568	No
8	GOM_TRA_1PNPDK20110405_144128_000000663101_00140_47568_9888.N1	05-APR-2011 14:41:28	Bright	66.000	15	67Alp Vir	0.97600	28000.	132	47568	No
9	GOM_TRA_1PNPDK20110405_144437_000000403101_00140_47568_9889.N1	05-APR-2011 14:44:37	Bright	40.000	121	29Gam Vir	2.7400	7200.0	80	47568	No
10	GOM_TRA_1PNPDK20110405_144915_000000383101_00140_47568_9890.N1	05-APR-2011 14:49:15	Bright	37.500	62	94Bet Leo	2.1360	9700.0	75	47568	No
11	GOM_TRA_1PNPDK20110405_145717_000000423101_00140_47568_9891.N1	05-APR-2011 14:57:17	Bright	41.500	152	12Alp2CVn	2.8900	11000.	83	47568	No
12	GOM_TRA_1PNPDK20110405_150030_000000363101_00140_47568_9892.N1	05-APR-2011 15:00:30	Bright	35.500	87	64Gam UMa	2.4330	11000.	71	47568	No
13	GOM_TRA_1PNPDK20110405_150206_000000383101_00140_47568_9893.N1	05-APR-2011 15:02:06	Bright	37.500	32	77Eps UMa	1.7630	11000.	75	47568	No
14	GOM_TRA_1PNPDK20110405_150829_000000413101_00140_47568_9894.N1	05-APR-2011 15:08:29	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	47568	No
15	GOM_TRA_1PNPDK20110405_151051_000000483101_00140_47568_9895.N1	05-APR-2011 15:10:51	Bright	48.000	119	14Eta Dra	2.7270	4700.0	96	47568	No
16	GOM_TRA_1PNPDK20110405_151809_000000373101_00140_47568_9896.N1	05-APR-2011 15:18:09	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	47568	No
17	GOM_TRA_1PNPDK20110405_152257_000000623101_00140_47568_9897.N1	05-APR-2011 15:22:57	Bright	62.000	144	18Del Cyg	2.8600	11000.	124	47568	No
18	GOM_TRA_1PNPDK20110405_152502_000000483101_00140_47568_9898.N1	05-APR-2011 15:25:02	Bright	48.000	66	37Gam Cyg	2.2080	5900.0	96	47568	No
19	GOM_TRA_1PNPDK20110405_152712_000000463101_00140_47568_9899.N1	05-APR-2011 15:27:12	Bright	45.500	92	53Eps Cyg	2.5000	4500.0	91	47568	No
20	GOM_TRA_1PNPDK20110405_153358_000000473101_00140_47568_9900.N1	05-APR-2011 15:33:58	Twilight_stray	47.000	61	8Eps Peg	2.1000	3900.0	94	47568	No
21	GOM_TRA_1PNPDK20110405_153840_000000463101_00140_47568_9901.N1	05-APR-2011 15:38:40	Dark	46.000	154	22Bet Aqr	2.8990	5700.0	92	47568	No
22	GOM_TRA_1PNPDK20110405_155259_000000273101_00140_47568_9902.N1	05-APR-2011 15:52:59	Dark	27.000	57	34Sig Sgr	2.0660	26000.	54	47568	No
23	GOM_TRA_1PNPDK20110405_155625_000000623101_00141_47569_9903.N1	05-APR-2011 15:56:25	Dark	62.000	38	20Eps Sgr	1.8360	11000.	124	47569	No
24	GOM_TRA_1PNPDK20110405_160038_000000603101_00141_47569_9904.N1	05-APR-2011 16:00:38	Dark	60.000	25	35Lam Sco	1.6200	28000.	120	47569	No
25	GOM_TRA_1PNPDK20110405_160821_000000453101_00141_47569_9905.N1	05-APR-2011 16:08:21	Straylight	44.500	78	Alp Lup	2.3040	28000.	89	47569	No
26	GOM_TRA_1PNPDK20110405_160957_000000483101_00141_47569_9906.N1	05-APR-2011 16:09:57	Straylight	47.500	81	Eta Cen	2.3560	28000.	95	47569	No
27	GOM_TRA_1PNPDK20110405_161232_000000533101_00141_47569_9912.N1	05-APR-2011 16:12:32	Straylight	53.000	54	5The Cen	2.0550	4500.0	106	47569	No
28	GOM_TRA_1PNPDK20110405_161810_000000463101_00141_47569_9913.N1	05-APR-2011 16:18:10	Twilight_stray	46.000	106	9Bet Crv	2.6480	5600.0	92	47569	No
29	GOM_TRA_1PNPDK20110405_162015_000000383101_00141_47569_9914.N1	05-APR-2011 16:20:15	Twilight_stray	38.000	163	7Del Crv	2.9450	11000.	76	47569	No
30	GOM_TRA_1PNPDK20110405_162142_000000663101_00141_47569_9915.N1	05-APR-2011 16:21:42	Bright	66.000	15	67Alp Vir	0.97600	28000.	132	47569	No
31	GOM_TRA_1PNPDK20110405_162451_000000413101_00141_47569_9916.N1	05-APR-2011 16:24:51	Bright	40.500	121	29Gam Vir	2.7400	7200.0	81	47569	No
32	GOM_TRA_1PNPDK20110405_162929_000000383101_00141_47569_9917.N1	05-APR-2011 16:29:29	Bright	37.500	62	94Bet Leo	2.1360	9700.0	75	47569	No
33	GOM_TRA_1PNPDK20110405_163730_000000413101_00141_47569_9918.N1	05-APR-2011 16:37:30	Bright	41.000	152	12Alp2CVn	2.8900	11000.	82	47569	No
34	GOM_TRA_1PNPDK20110405_164044_000000383101_00141_47569_9919.N1	05-APR-2011 16:40:44	Bright	38.000	87	64Gam UMa	2.4330	11000.	76	47569	No
35	GOM_TRA_1PNPDK20110405_164219_000000393101_00141_47569_9920.N1	05-APR-2011 16:42:19	Bright	39.000	32	77Eps UMa	1.7630	11000.	78	47569	No
36	GOM_TRA_1PNPDK20110405_164842_000000413101_00141_47569_9921.N1	05-APR-2011 16:48:42	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	47569	No
37	GOM_TRA_1PNPDK20110405_165104_000000503101_00141_47569_9922.N1	05-APR-2011 16:51:04	Bright	50.000	119	14Eta Dra	2.7270	4700.0	100	47569	No
38	GOM_TRA_1PNPDK20110405_165823_000000393101_00141_47569_9923.N1	05-APR-2011 16:58:23	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	47569	No
39	GOM_TRA_1PNPDK20110405_170310_000000483101_00141_47569_9924.N1	05-APR-2011 17:03:10	Bright	48.000	144	18Del Cyg	2.8600	11000.	96	47569	No
40	GOM_TRA_1PNPDK20110405_170515_000000453101_00141_47569_9925.N1	05-APR-2011 17:05:15	Bright	45.000	66	37Gam Cyg	2.2080	5900.0	90	47569	No
41	GOM_TRA_1PNPDK20110405_170726_000000463101_00141_47569_9926.N1	05-APR-2011 17:07:26	Bright	45.500	92	53Eps Cyg	2.5000	4500.0	91	47569	No
42	GOM_TRA_1PNPDK20110405_171412_000000473101_00141_47569_9927.N1	05-APR-2011 17:14:12	Twilight_stray	47.000	61	8Eps Peg	2.1000	3900.0	94	47569	No
43	GOM_TRA_1PNPDK20110405_171854_000000453101_00141_47569_9928.N1	05-APR-2011 17:18:54	Dark	45.000	154	22Bet Aqr	2.8990	5700.0	90	47569	No
44	GOM_TRA_1PNPDK20110405_173315_000000273101_00141_47569_9929.N1	05-APR-2011 17:33:15	Dark	27.000	57	34Sig Sgr	2.0660	26000.	54	47569	No
45	GOM_TRA_1PNPDK20110405_173641_000000583101_00142_47570_9930.N1	05-APR-2011 17:36:41	Dark	57.500	38	20Eps Sgr	1.8360	11000.	115	47570	No
46	GOM_TRA_1PNPDK20110405_174053_000000583101_00142_47570_9931.N1	05-APR-2011 17:40:53	Dark	57.500	25	35Lam Sco	1.6200	28000.	115	47570	No
47	GOM_TRA_1PNPDK20110405_174835_000000433101_00142_47570_9932.N1	05-APR-2011 17:48:35	Straylight	42.500	78	Alp Lup	2.3040	28000.	85	47570	No
48	GOM_TRA_1PNPDK20110405_175011_000000493101_00142_47570_9942.N1	05-APR-2011 17:50:11	Straylight	49.000	81	Eta Cen	2.3560	28000.	98	47570	No
49	GOM_TRA_1PNPDK20110405_175247_000000503101_00142_47570_9943.N1	05-APR-2011 17:52:47	Straylight	50.000	54	5The Cen	2.0550	4500.0	100	47570	No
50	GOM_TRA_1PNPDK20110405_175824_000000453101_00142_47570_9944.N1	05-APR-2011 17:58:24	Twilight_stray	44.500	106	9Bet Crv	2.6480	5600.0	89	47570	No
51	GOM_TRA_1PNPDK20110405_180029_000000453101_00142_47570_9945.N1	05-APR-2011 18:00:29	Twilight_stray	44.500	163	7Del Crv	2.9450	11000.	89	47570	No

52	GOM_TRA_1PNPDK20110405_180156_000000563101_00142_47570_9946.N1	05-APR-2011 18:01:56	Bright	55.500	15	67Alp Vir	0.97600	28000.	111	47570	No
53	GOM_TRA_1PNPDK20110405_180504_000000413101_00142_47570_9947.N1	05-APR-2011 18:05:04	Bright	41.000	121	29Gam Vir	2.7400	7200.0	82	47570	No
54	GOM_TRA_1PNPDK20110405_180920_000000453101_00142_47570_9948.N1	05-APR-2011 18:09:20	Bright	44.500	138	47Eps Vir	2.8280	4700.0	89	47570	No
55	GOM_TRA_1PNPDK20110405_181744_000000453101_00142_47570_9949.N1	05-APR-2011 18:17:44	Bright	45.000	152	12Alp2CVn	2.8900	11000.	90	47570	No
56	GOM_TRA_1PNPDK20110405_182058_000000433101_00142_47570_9950.N1	05-APR-2011 18:20:58	Bright	42.500	87	64Gam UMa	2.4330	11000.	85	47570	No
57	GOM_TRA_1PNPDK20110405_182233_000000413101_00142_47570_9951.N1	05-APR-2011 18:22:33	Bright	40.500	32	77Eps UMa	1.7630	11000.	81	47570	No
58	GOM_TRA_1PNPDK20110405_182856_000000403101_00142_47570_9952.N1	05-APR-2011 18:28:56	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	47570	No
59	GOM_TRA_1PNPDK20110405_183118_000000473101_00142_47570_9953.N1	05-APR-2011 18:31:18	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	47570	No
60	GOM_TRA_1PNPDK20110405_183837_000000363101_00142_47570_9954.N1	05-APR-2011 18:38:37	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	47570	No
61	GOM_TRA_1PNPDK20110405_184324_000000493101_00142_47570_9955.N1	05-APR-2011 18:43:24	Bright	49.000	144	18Del Cyg	2.8600	11000.	98	47570	No
62	GOM_TRA_1PNPDK20110405_184529_000000483101_00142_47570_9956.N1	05-APR-2011 18:45:29	Bright	47.500	66	37Gam Cyg	2.2080	5900.0	95	47570	No
63	GOM_TRA_1PNPDK20110405_184740_000000453101_00142_47570_9957.N1	05-APR-2011 18:47:40	Bright	45.000	92	53Eps Cyg	2.5000	4500.0	90	47570	No
64	GOM_TRA_1PNPDK20110405_185426_000000473101_00142_47570_9958.N1	05-APR-2011 18:54:26	Twilight	47.000	61	8Eps Peg	2.1000	3900.0	94	47570	No
65	GOM_TRA_1PNPDK20110405_185909_000000423101_00142_47570_9959.N1	05-APR-2011 18:59:09	Dark	41.500	154	22Bet Aqr	2.8990	5700.0	83	47570	No
66	GOM_TRA_1PNPDK20110405_191319_000000563101_00142_47570_9960.N1	05-APR-2011 19:13:19	Dark	55.500	103	38Zet Sgr	2.6000	9700.0	111	47570	No
67	GOM_TRA_1PNPDK20110405_191656_000000593101_00143_47571_9961.N1	05-APR-2011 19:16:56	Dark	58.500	38	20Eps Sgr	1.8360	11000.	117	47571	No
68	GOM_TRA_1PNPDK20110405_192109_000000593101_00143_47571_9962.N1	05-APR-2011 19:21:09	Dark	59.000	25	35Lam Sco	1.6200	28000.	118	47571	No
69	GOM_TRA_1PNPDK20110405_192850_000000433101_00143_47571_9978.N1	05-APR-2011 19:28:50	Straylight	43.000	78	Alp Lup	2.3040	28000.	86	47571	No
70	GOM_TRA_1PNPDK20110405_193026_000000453101_00143_47571_9979.N1	05-APR-2011 19:30:26	Straylight	44.500	81	Eta Cen	2.3560	28000.	89	47571	No
71	GOM_TRA_1PNPDK20110405_193301_000000513101_00143_47571_9980.N1	05-APR-2011 19:33:01	Straylight	51.000	54	5The Cen	2.0550	4500.0	102	47571	No
72	GOM_TRA_1PNPDK20110405_193838_000000463101_00143_47571_9981.N1	05-APR-2011 19:38:38	Twilight	46.000	106	9Bet Crv	2.6480	5600.0	92	47571	No
73	GOM_TRA_1PNPDK20110405_194043_000000433101_00143_47571_9982.N1	05-APR-2011 19:40:43	Twilight	43.000	163	7Del Crv	2.9450	11000.	86	47571	No
74	GOM_TRA_1PNPDK20110405_194210_000000563101_00143_47571_9983.N1	05-APR-2011 19:42:10	Bright	56.000	15	67Alp Vir	0.97600	28000.	112	47571	No
75	GOM_TRA_1PNPDK20110405_194519_000000423101_00143_47571_9984.N1	05-APR-2011 19:45:19	Bright	42.000	121	29Gam Vir	2.7400	7200.0	84	47571	No
76	GOM_TRA_1PNPDK20110405_194933_000000453101_00143_47571_9985.N1	05-APR-2011 19:49:33	Bright	45.000	138	47Eps Vir	2.8280	4700.0	90	47571	No
77	GOM_TRA_1PNPDK20110405_195757_000000423101_00143_47571_9986.N1	05-APR-2011 19:57:57	Bright	42.000	152	12Alp2CVn	2.8900	11000.	84	47571	No
78	GOM_TRA_1PNPDK20110405_200112_000000363101_00143_47571_9987.N1	05-APR-2011 20:01:12	Bright	35.500	87	64Gam UMa	2.4330	11000.	71	47571	No
79	GOM_TRA_1PNPDK20110405_200247_000000413101_00143_47571_9988.N1	05-APR-2011 20:02:47	Bright	41.000	32	77Eps UMa	1.7630	11000.	82	47571	No
80	GOM_TRA_1PNPDK20110405_200910_000000383101_00143_47571_9989.N1	05-APR-2011 20:09:10	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	47571	No
81	GOM_TRA_1PNPDK20110405_201131_000000463101_00143_47571_9990.N1	05-APR-2011 20:11:31	Bright	45.500	119	14Eta Dra	2.7270	4700.0	91	47571	No
82	GOM_TRA_1PNPDK20110405_201851_000000353101_00143_47571_9991.N1	05-APR-2011 20:18:51	Bright	35.000	89	5Alp Cep	2.4510	8000.0	70	47571	No
83	GOM_TRA_1PNPDK20110405_202338_000000503101_00143_47571_9992.N1	05-APR-2011 20:23:38	Bright	49.500	144	18Del Cyg	2.8600	11000.	99	47571	No
84	GOM_TRA_1PNPDK20110405_202543_000000473101_00143_47571_9993.N1	05-APR-2011 20:25:43	Bright	46.500	66	37Gam Cyg	2.2080	5900.0	93	47571	No
85	GOM_TRA_1PNPDK20110405_202754_000000473101_00143_47571_9994.N1	05-APR-2011 20:27:54	Bright	46.500	92	53Eps Cyg	2.5000	4500.0	93	47571	No
86	GOM_TRA_1PNPDK20110405_203441_000000513101_00143_47571_9995.N1	05-APR-2011 20:34:41	Twilight	50.500	61	8Eps Peg	2.1000	3900.0	101	47571	No
87	GOM_TRA_1PNPDK20110405_203923_000000453101_00143_47571_9996.N1	05-APR-2011 20:39:23	Dark	44.500	154	22Bet Aqr	2.8990	5700.0	89	47571	No
88	GOM_TRA_1PNPDK20110405_205335_000000553101_00143_47571_9997.N1	05-APR-2011 20:53:35	Dark	54.500	103	38Zet Sgr	2.6000	9700.0	109	47571	No
89	GOM_TRA_1PNPDK20110405_205712_000000583101_00144_47572_9998.N1	05-APR-2011 20:57:12	Dark	57.500	38	20Eps Sgr	1.8360	11000.	115	47572	No
90	GOM_TRA_1PNPDK20110405_210124_000000603101_00144_47572_9999.N1	05-APR-2011 21:01:24	Dark	60.000	25	35Lam Sco	1.6200	28000.	120	47572	No
91	GOM_TRA_1PNPDE20110405_210904_000000473101_00144_47572_2979.N1	05-APR-2011 21:09:04	Straylight	46.500	78	Alp Lup	2.3040	28000.	93	47572	No
92	GOM_TRA_1PNPDE20110405_211040_000000493101_00144_47572_2980.N1	05-APR-2011 21:10:40	Straylight	48.500	81	Eta Cen	2.3560	28000.	97	47572	No
93	GOM_TRA_1PNPDE20110405_211315_000000503101_00144_47572_2981.N1	05-APR-2011 21:13:15	Straylight	49.500	54	5The Cen	2.0550	4500.0	99	47572	No
94	GOM_TRA_1PNPDE20110405_211853_000000463101_00144_47572_2982.N1	05-APR-2011 21:18:53	Twilight	45.500	106	9Bet Crv	2.6480	5600.0	91	47572	No
95	GOM_TRA_1PNPDE20110405_212057_000000413101_00144_47572_2983.N1	05-APR-2011 21:20:57	Twilight	40.500	163	7Del Crv	2.9450	11000.	81	47572	No
96	GOM_TRA_1PNPDE20110405_212224_000000613101_00144_47572_2984.N1	05-APR-2011 21:22:24	Bright	60.500	15	67Alp Vir	0.97600	28000.	121	47572	No
97	GOM_TRA_1PNPDE20110405_212532_000000433101_00144_47572_2985.N1	05-APR-2011 21:25:32	Bright	43.000	121	29Gam Vir	2.7400	7200.0	86	47572	No
98	GOM_TRA_1PNPDE20110405_212947_000000643101_00144_47572_2986.N1	05-APR-2011 21:29:47	Bright	64.000	138	47Eps Vir	2.8280	4700.0	128	47572	No
99	GOM_TRA_1PNPDE20110405_213811_000000403101_00144_47572_2987.N1	05-APR-2011 21:38:11	Bright	40.000	152	12Alp2CVn	2.8900	11000.	80	47572	No
100	GOM_TRA_1PNPDE20110405_214126_000000353101_00144_47572_2988.N1	05-APR-2011 21:41:26	Bright	34.500	87	64Gam UMa	2.4330	11000.	69	47572	No
101	GOM_TRA_1PNPDE20110405_214300_000000403101_00144_47572_2989.N1	05-APR-2011 21:43:00	Bright	40.000	32	77Eps UMa	1.7630	11000.	80	47572	No
102	GOM_TRA_1PNPDE20110405_214923_000000403101_00144_47572_2990.N1	05-APR-2011 21:49:23	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	47572	No
103	GOM_TRA_1PNPDE20110405_215144_000000493101_00144_47572_2991.N1	05-APR-2011 21:51:44	Bright	49.000	119	14Eta Dra	2.7270	4700.0	98	47572	No
104	GOM_TRA_1PNPDE20110405_215905_000000393101_00144_47572_2992.N1	05-APR-2011 21:59:05	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	47572	No
105	GOM_TRA_1PNPDE20110405_220351_000000493101_00144_47572_2993.N1	05-APR-2011 22:03:51	Bright	48.500	144	18Del Cyg	2.8600	11000.	97	47572	No
106	GOM_TRA_1PNPDE20110405_220557_000000523101_00144_47572_2994.N1	05-APR-2011 22:05:57	Bright	52.000	66	37Gam Cyg	2.2080	5900.0	104	47572	No
107	GOM_TRA_1PNPDE20110405_220808_000000463101_00144_47572_2995.N1	05-APR-2011 22:08:08	Bright	46.000	92	53Eps Cyg	2.5000	4500.0	92	47572	No
108	GOM_TRA_1PNPDE20110405_221455_000000503101_00144_47572_2996.N1	05-APR-2011 22:14:55	Twilight	49.500	61	8Eps Peg	2.1000	3900.0	99	47572	No
109	GOM_TRA_1PNPDE20110405_221938_000000473101_00144_47572_2997.N1	05-APR-2011 22:19:38	Dark	46.500	154	22Bet Aqr	2.8990	5700.0	93	47572	No
110	GOM_TRA_1PNPDE20110405_223350_000000573101_00144_47572_2998.N1	05-APR-2011 22:33:50	Dark	56.500	103	38Zet Sgr	2.6000	9700.0	113	47572	No

111	GOM_TRA_1PNPDE20110405_223727_000000613101_00145_47573_2999.N1	05-APR-2011 22:37:27	Dark	60.500	38	20Eps Sgr	1.8360	11000.	121	47573	No
112	GOM_TRA_1PNPDE20110405_224139_000000613101_00145_47573_3000.N1	05-APR-2011 22:41:39	Dark	61.000	25	35Lam Sco	1.6200	28000.	122	47573	No
113	GOM_TRA_1PNPDE20110405_224919_000000453101_00145_47573_3001.N1	05-APR-2011 22:49:19	Straylight	44.500	78	Alp Lup	2.3040	28000.	89	47573	No
114	GOM_TRA_1PNPDE20110405_225055_000000483101_00145_47573_3002.N1	05-APR-2011 22:50:55	Straylight	47.500	81	Eta Cen	2.3560	28000.	95	47573	No
115	GOM_TRA_1PNPDE20110405_225330_000000483101_00145_47573_3003.N1	05-APR-2011 22:53:30	Straylight	48.000	54	5The Cen	2.0550	4500.0	96	47573	No
116	GOM_TRA_1PNPDE20110405_225907_000000443101_00145_47573_3004.N1	05-APR-2011 22:59:07	Twilight_stray	44.000	106	9Bet Crv	2.6480	5600.0	88	47573	No
117	GOM_TRA_1PNPDE20110405_230111_000000453101_00145_47573_3005.N1	05-APR-2011 23:01:11	Twilight_stray	44.500	163	7Del Crv	2.9450	11000.	89	47573	No
118	GOM_TRA_1PNPDE20110405_230238_000000583101_00145_47573_3006.N1	05-APR-2011 23:02:38	Bright	58.000	15	67Alp Vir	0.97600	28000.	116	47573	No
119	GOM_TRA_1PNPDE20110405_230546_000000413101_00145_47573_3007.N1	05-APR-2011 23:05:46	Bright	40.500	121	29Gam Vir	2.7400	7200.0	81	47573	No
120	GOM_TRA_1PNPDE20110405_231000_000000453101_00145_47573_3008.N1	05-APR-2011 23:10:00	Bright	45.000	138	47Eps Vir	2.8280	4700.0	90	47573	No
121	GOM_TRA_1PNPDE20110405_231824_000000423101_00145_47573_3009.N1	05-APR-2011 23:18:24	Bright	42.000	152	12Alp2CVn	2.8900	11000.	84	47573	No
122	GOM_TRA_1PNPDE20110405_232139_000000373101_00145_47573_3010.N1	05-APR-2011 23:21:39	Bright	36.500	87	64Gam UMa	2.4330	11000.	73	47573	No
123	GOM_TRA_1PNPDE20110405_232314_000000413101_00145_47573_3011.N1	05-APR-2011 23:23:14	Bright	40.500	32	77Eps UMa	1.7630	11000.	81	47573	No
124	GOM_TRA_1PNPDE20110405_232937_000000413101_00145_47573_3012.N1	05-APR-2011 23:29:37	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	47573	No
125	GOM_TRA_1PNPDE20110405_233157_000000473101_00145_47573_3013.N1	05-APR-2011 23:31:57	Bright	46.500	119	14Eta Dra	2.7270	4700.0	93	47573	No
126	GOM_TRA_1PNPDE20110405_233918_000000393101_00145_47573_3014.N1	05-APR-2011 23:39:18	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	47573	No
127	GOM_TRA_1PNPDE20110405_234405_000000723101_00145_47573_3015.N1	05-APR-2011 23:44:05	Bright	72.000	144	18Del Cyg	2.8600	11000.	144	47573	No
128	GOM_TRA_1PNPDE20110405_234611_000000483101_00145_47573_3016.N1	05-APR-2011 23:46:11	Bright	48.000	66	37Gam Cyg	2.2080	5900.0	96	47573	No
129	GOM_TRA_1PNPDE20110405_234822_000000463101_00145_47573_3017.N1	05-APR-2011 23:48:22	Bright	46.000	92	53Eps Cyg	2.5000	4500.0	92	47573	No
130	GOM_TRA_1PNPDE20110405_235509_000000473101_00145_47573_3018.N1	05-APR-2011 23:55:09	Twilight_stray	47.000	61	8Eps Peg	2.1000	3900.0	94	47573	No
131	GOM_TRA_1PNPDE20110405_235952_000000453101_00145_47573_3018.N1	05-APR-2011 23:59:52	Dark	44.500	154	22Bet Aqr	2.8990	5700.0	89	47573	Yes

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





#### 4. Overview of dark signal processing per product

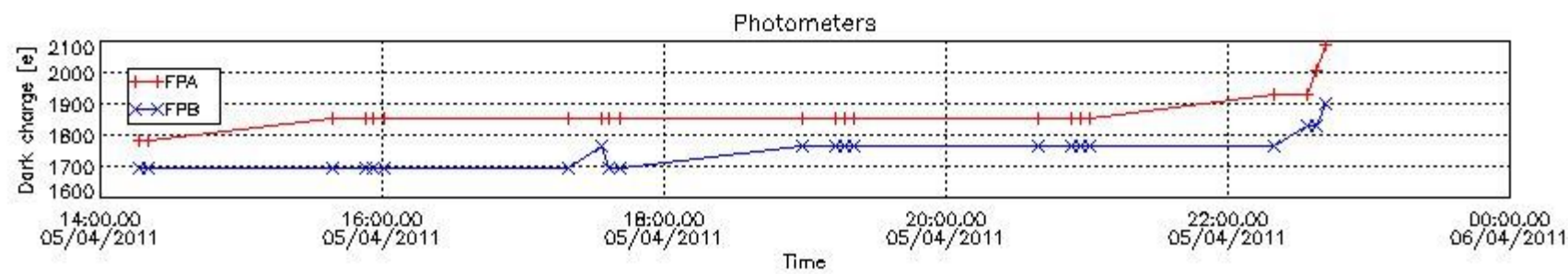
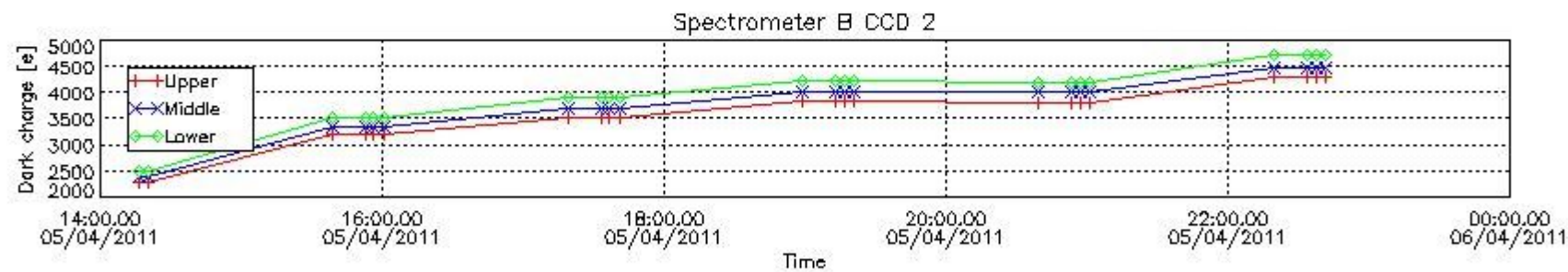
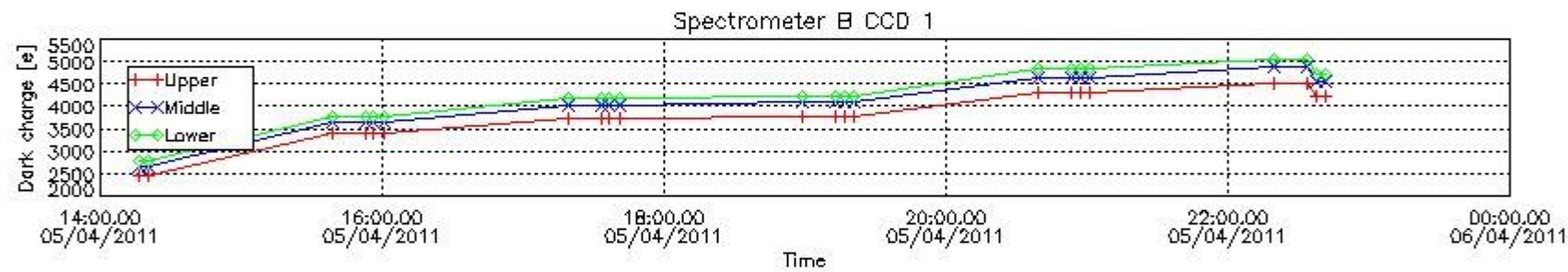
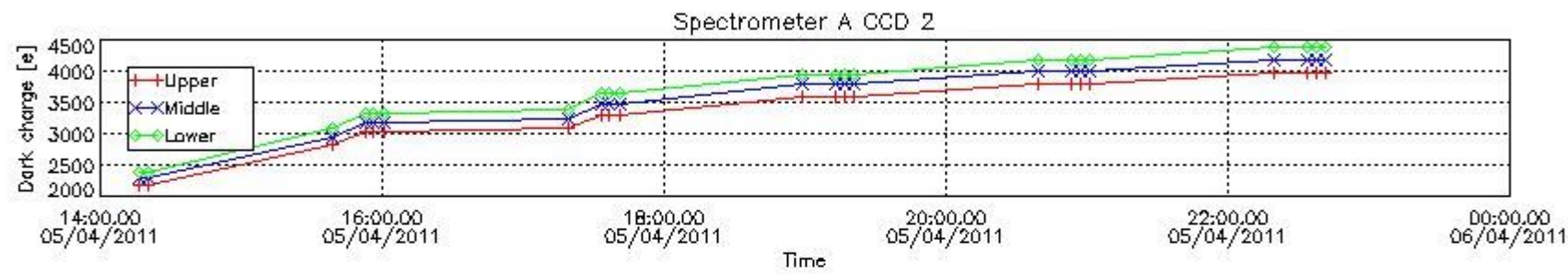
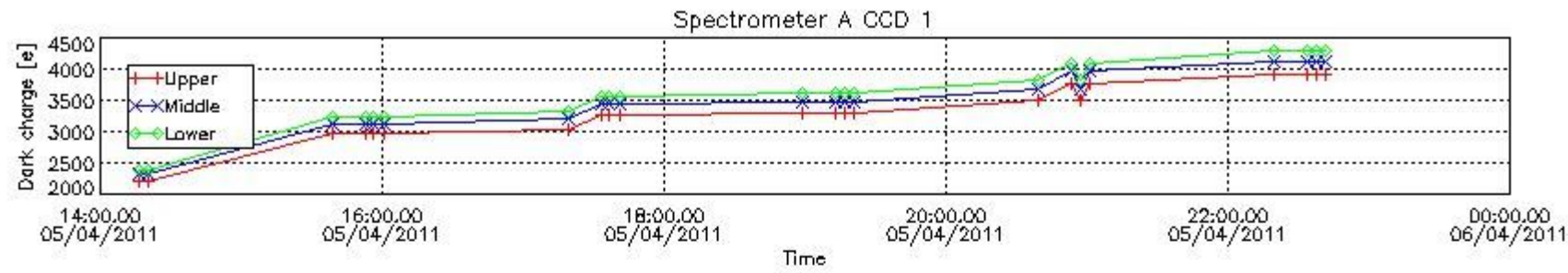
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDK20110405_141610_000000573101_00140_47568_9832.N1	DC map used
GOM_TRA_1PNPDK20110405_142023_000000603101_00140_47568_9833.N1	DC map used
GOM_TRA_1PNPDK20110405_142806_000000433101_00140_47568_9834.N1	DC map used
GOM_TRA_1PNPDK20110405_142942_000000443101_00140_47568_9835.N1	DC map used
GOM_TRA_1PNPDK20110405_143218_000000503101_00140_47568_9836.N1	DC map used
GOM_TRA_1PNPDE20110405_210904_000000473101_00144_47572_2979.N1	DC map used
GOM_TRA_1PNPDE20110405_211040_000000493101_00144_47572_2980.N1	DC map used
GOM_TRA_1PNPDE20110405_211315_000000503101_00144_47572_2981.N1	DC map used
GOM_TRA_1PNPDE20110405_211853_000000463101_00144_47572_2982.N1	DC map used
GOM_TRA_1PNPDE20110405_212057_000000413101_00144_47572_2983.N1	DC map used
GOM_TRA_1PNPDE20110405_212224_000000613101_00144_47572_2984.N1	DC map used
GOM_TRA_1PNPDE20110405_212532_000000433101_00144_47572_2985.N1	DC map used
GOM_TRA_1PNPDE20110405_212947_000000643101_00144_47572_2986.N1	DC map used
GOM_TRA_1PNPDE20110405_213811_000000403101_00144_47572_2987.N1	DC map used
GOM_TRA_1PNPDE20110405_214126_000000353101_00144_47572_2988.N1	DC map used
GOM_TRA_1PNPDE20110405_214300_000000403101_00144_47572_2989.N1	DC map used
GOM_TRA_1PNPDE20110405_214923_000000403101_00144_47572_2990.N1	DC map used
GOM_TRA_1PNPDE20110405_215144_000000493101_00144_47572_2991.N1	DC map used
GOM_TRA_1PNPDE20110405_215905_000000393101_00144_47572_2992.N1	DC map used
GOM_TRA_1PNPDE20110405_220351_000000493101_00144_47572_2993.N1	DC map used
GOM_TRA_1PNPDE20110405_220557_000000523101_00144_47572_2994.N1	DC map used
GOM_TRA_1PNPDE20110405_220808_000000463101_00144_47572_2995.N1	DC map used
GOM_TRA_1PNPDE20110405_221455_000000503101_00144_47572_2996.N1	DC map used

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



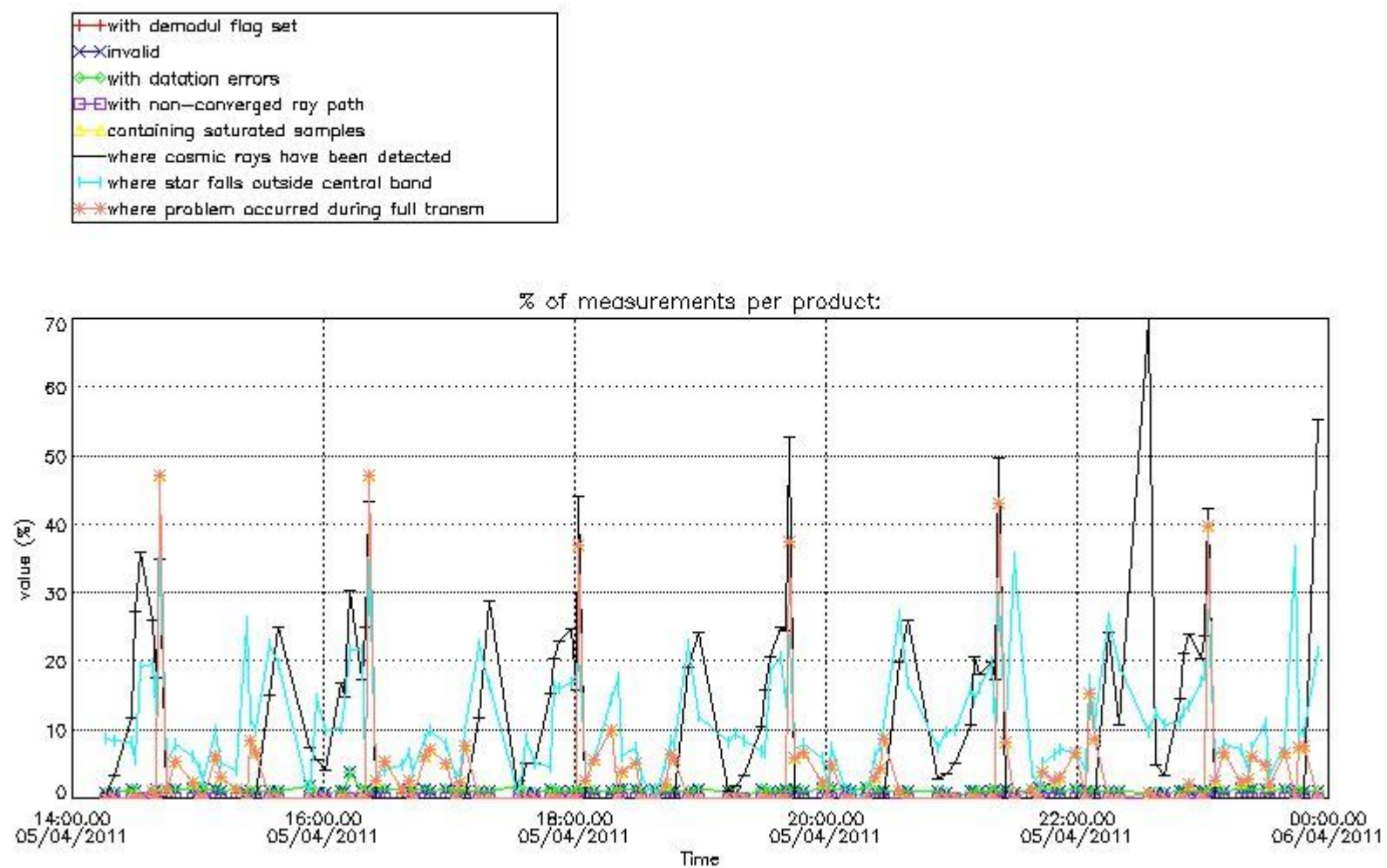
## 5. Demodulation flag and quality information monitoring

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:

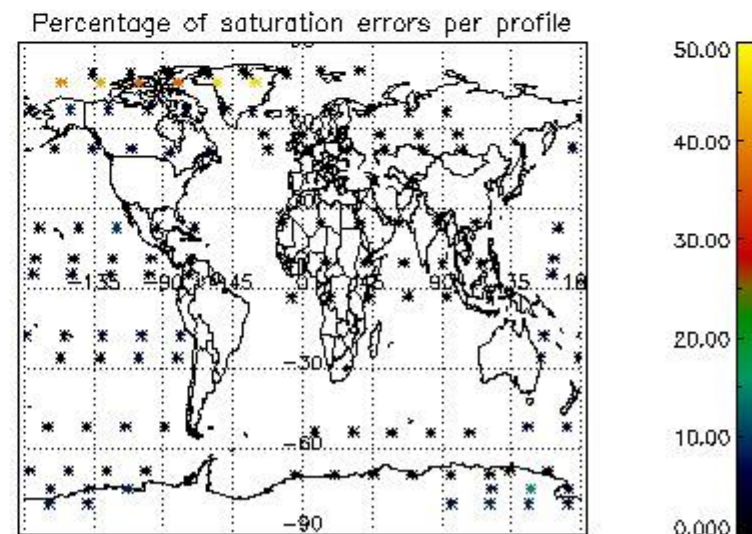
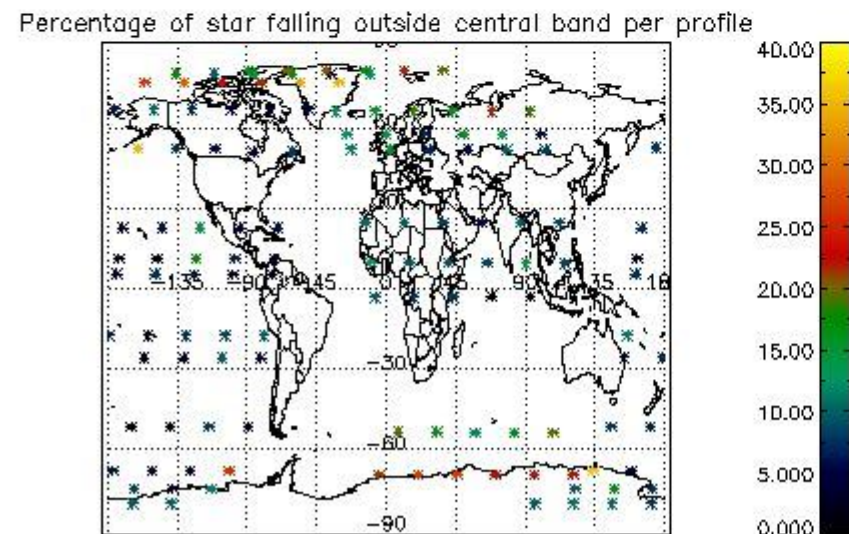
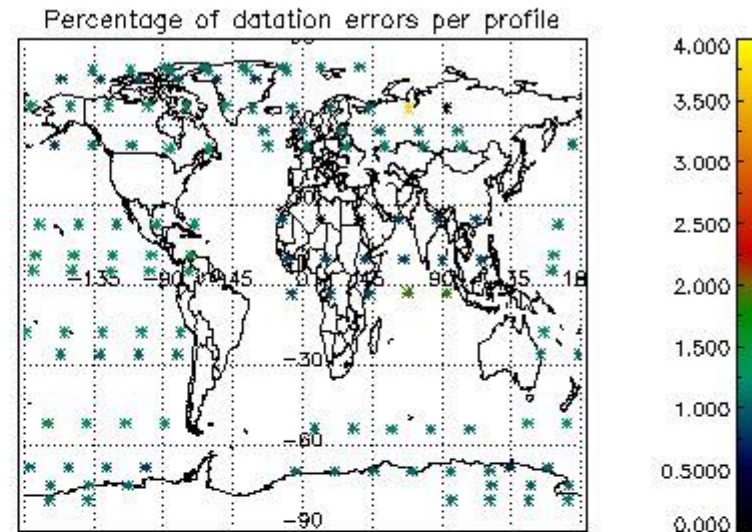
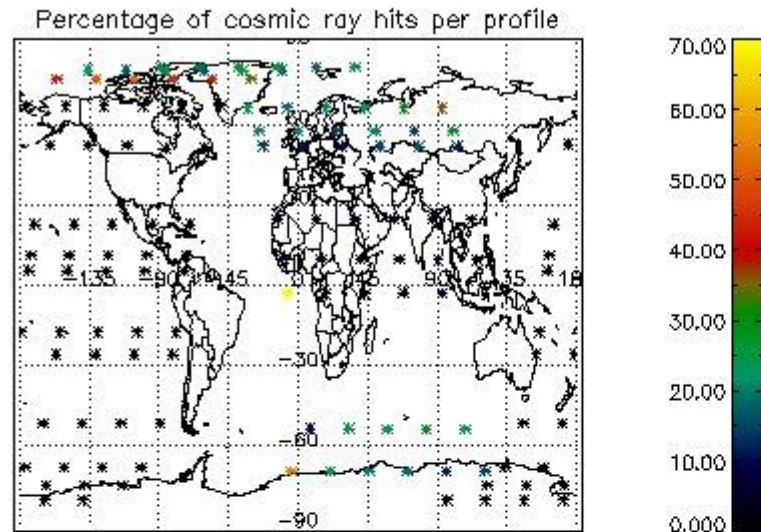
At least one measurement with demodulation flag set:	17.6923 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

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)

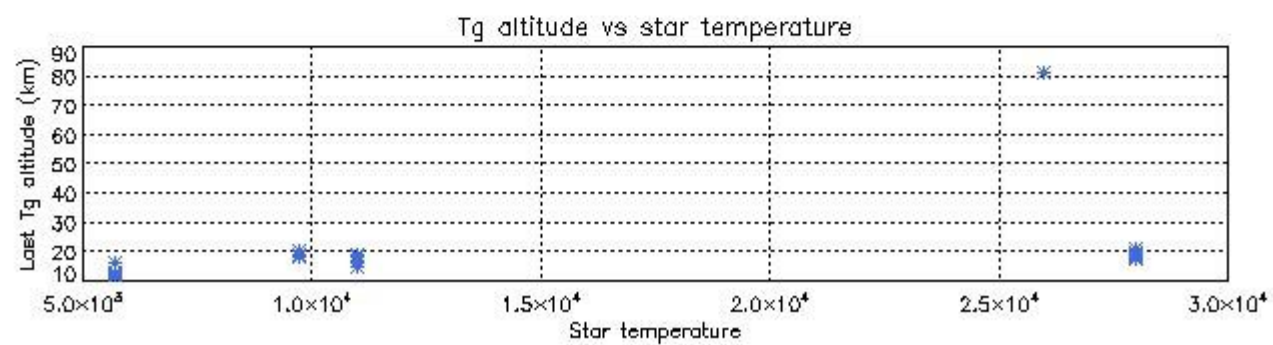
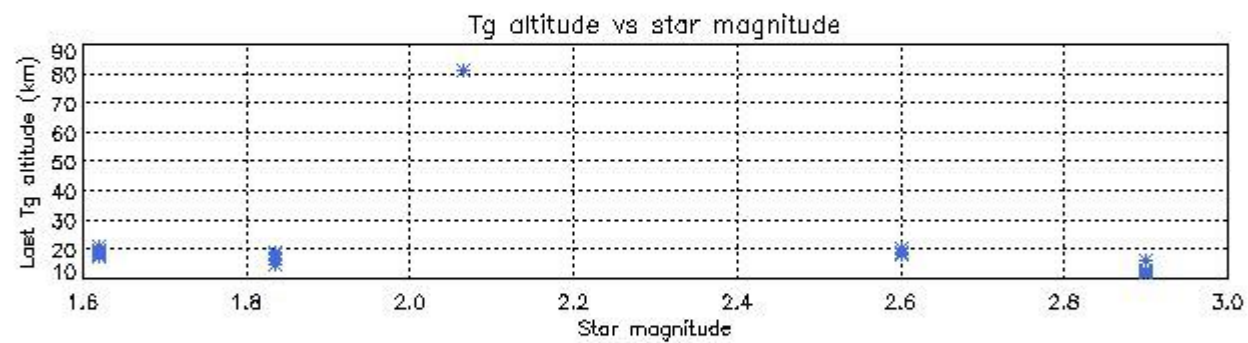
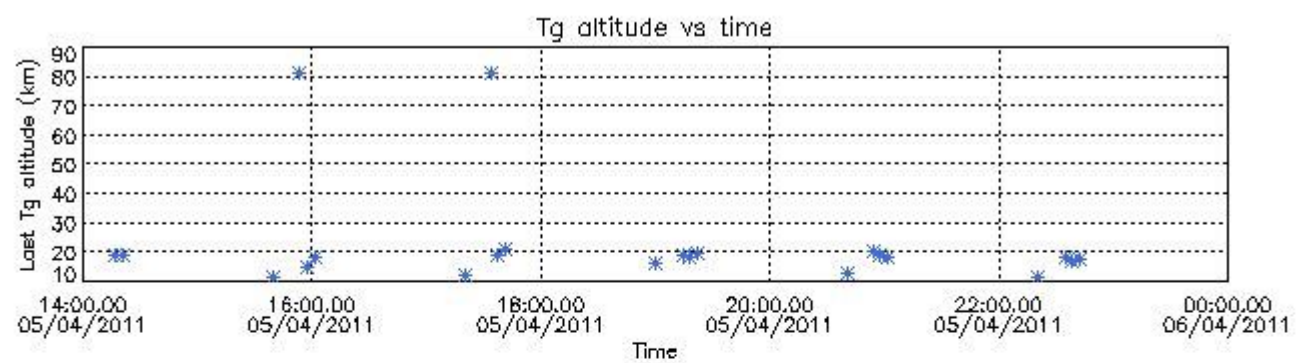
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	22.850	19.107	NaN
St. deviation:	18.980	5.3575	NaN
Maximum:	80.906	28.051	NaN
Minimum:	11.192	4.3987	NaN
Number of data:	22.000	72.000	NaN

### 6.2 Plot for DARK limb products

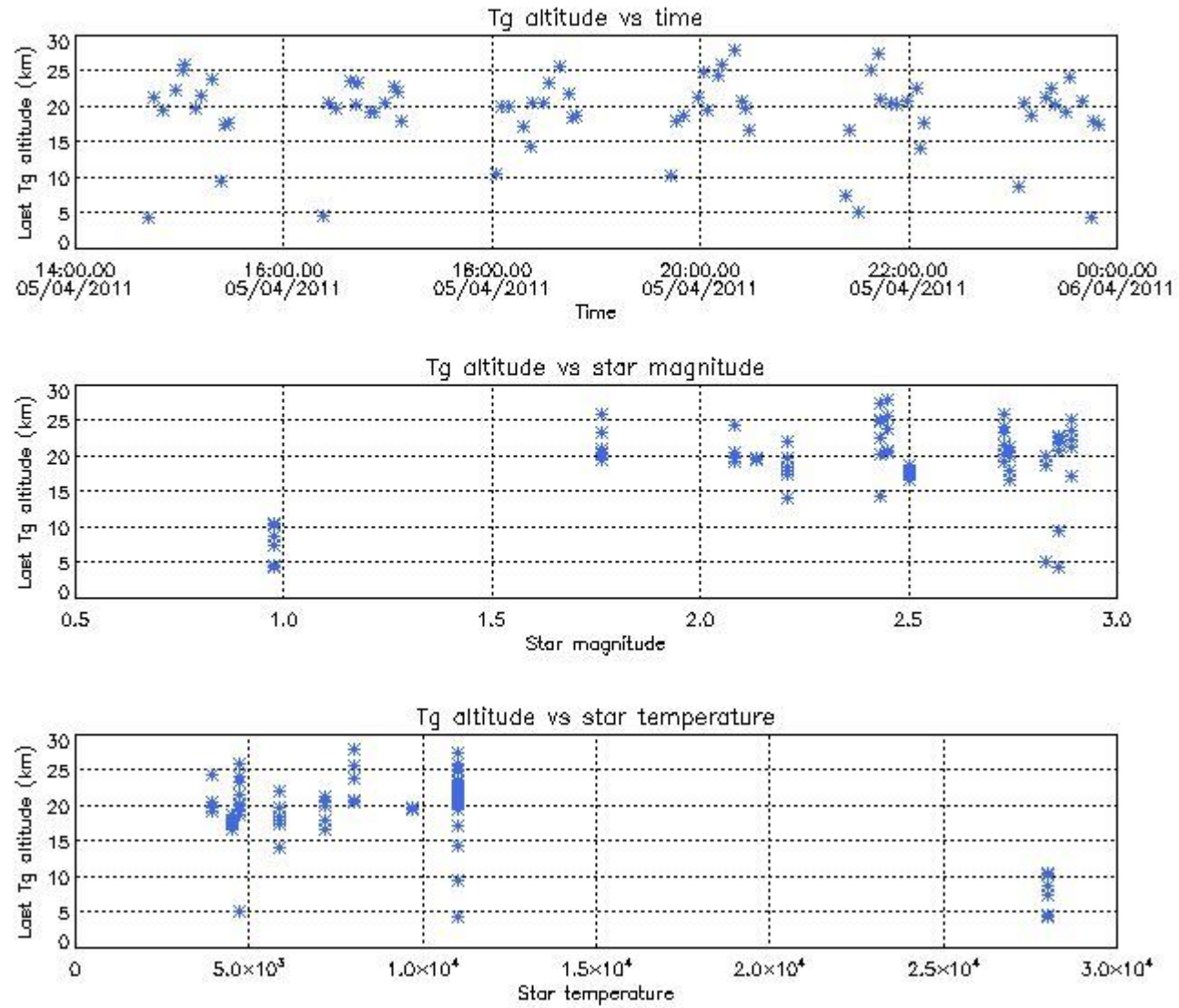


Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost

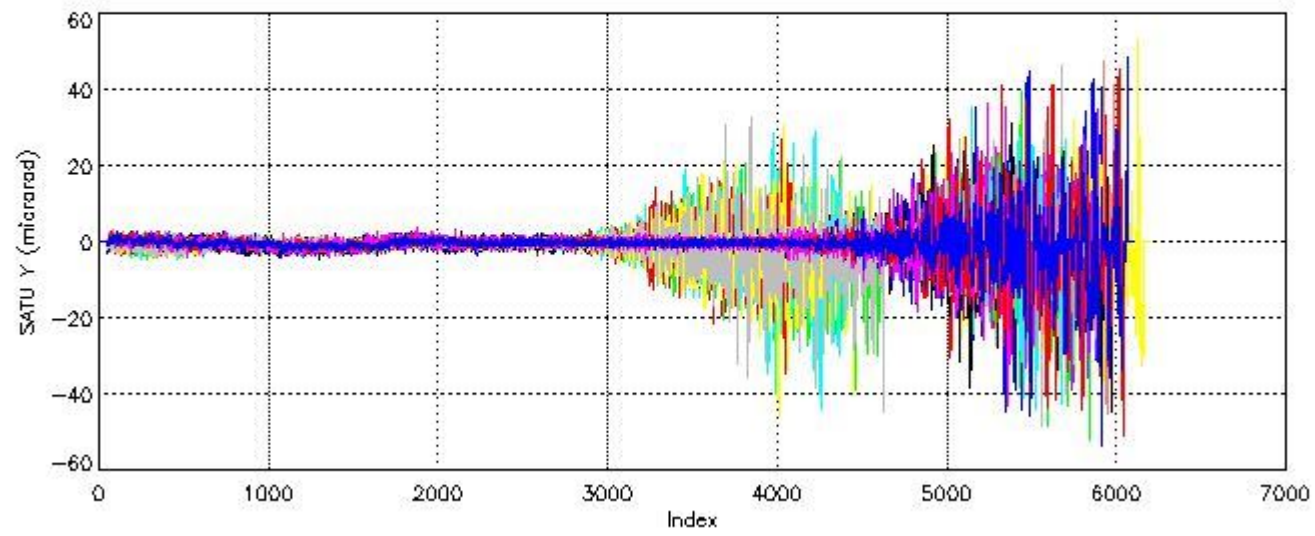
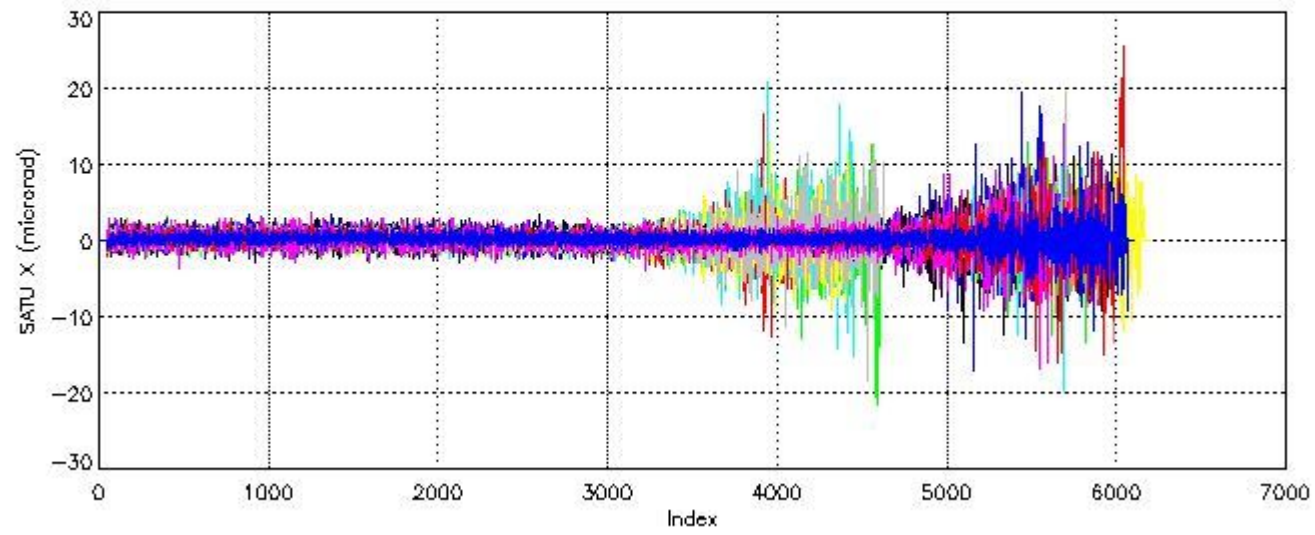


## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.26012	-0.70950	0.25797	-0.99822
St. deviation:	0.62987	0.99891	0.83713	1.2560
Maximum:	3.6000	3.1000	6.2000	6.3000
Minimum:	-3.6000	-5.0000	-5.5000	-8.8000

Number of data:	28700.	28700.	71900.	71900.
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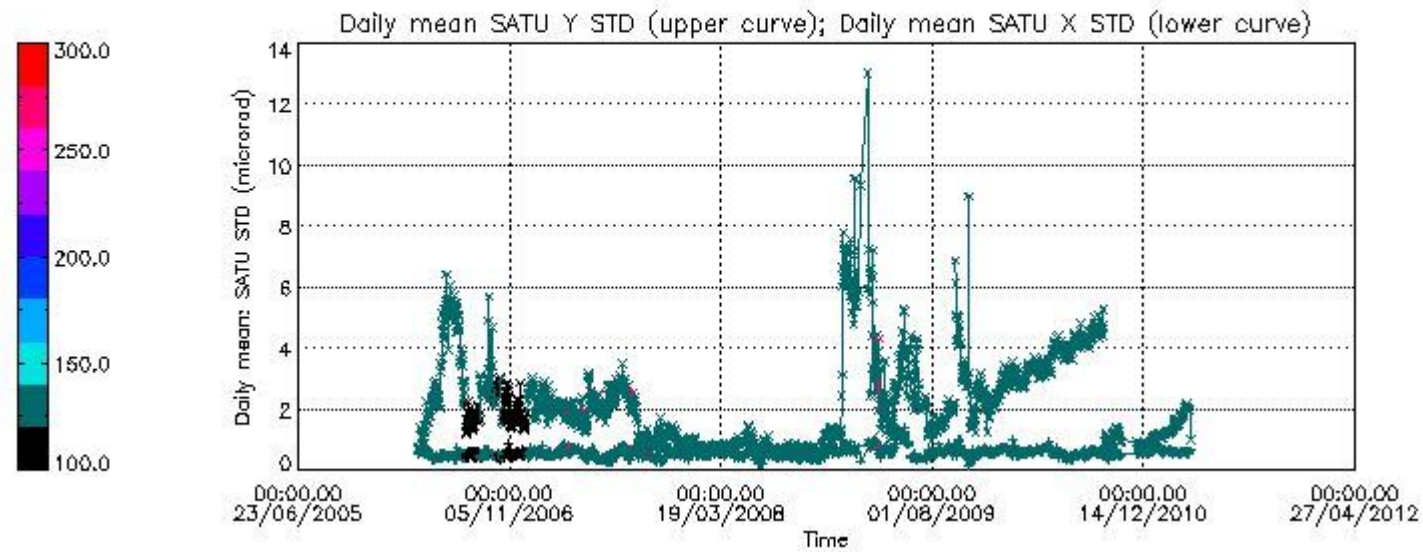
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

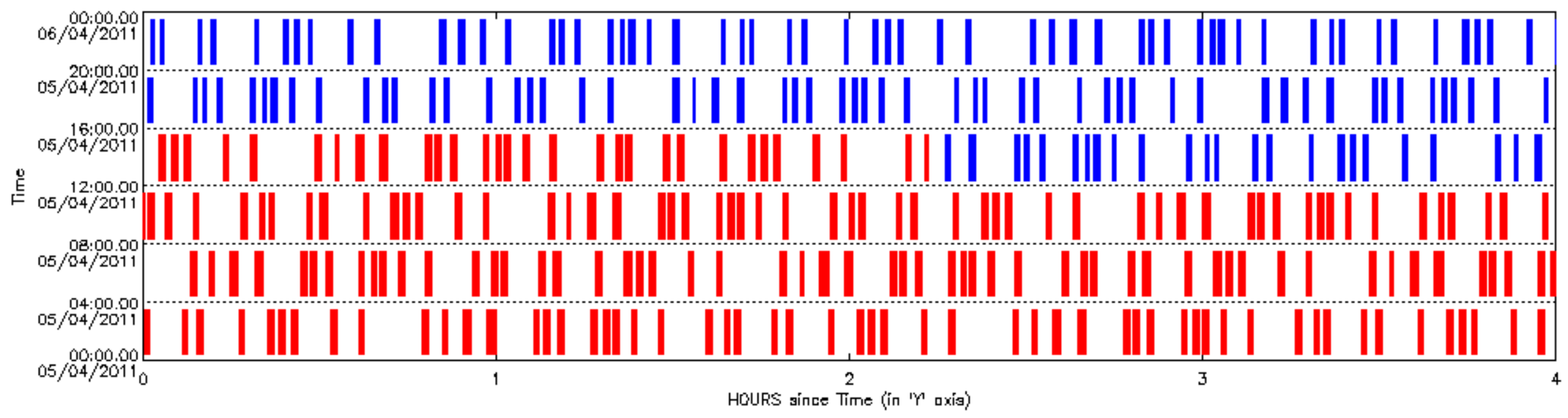


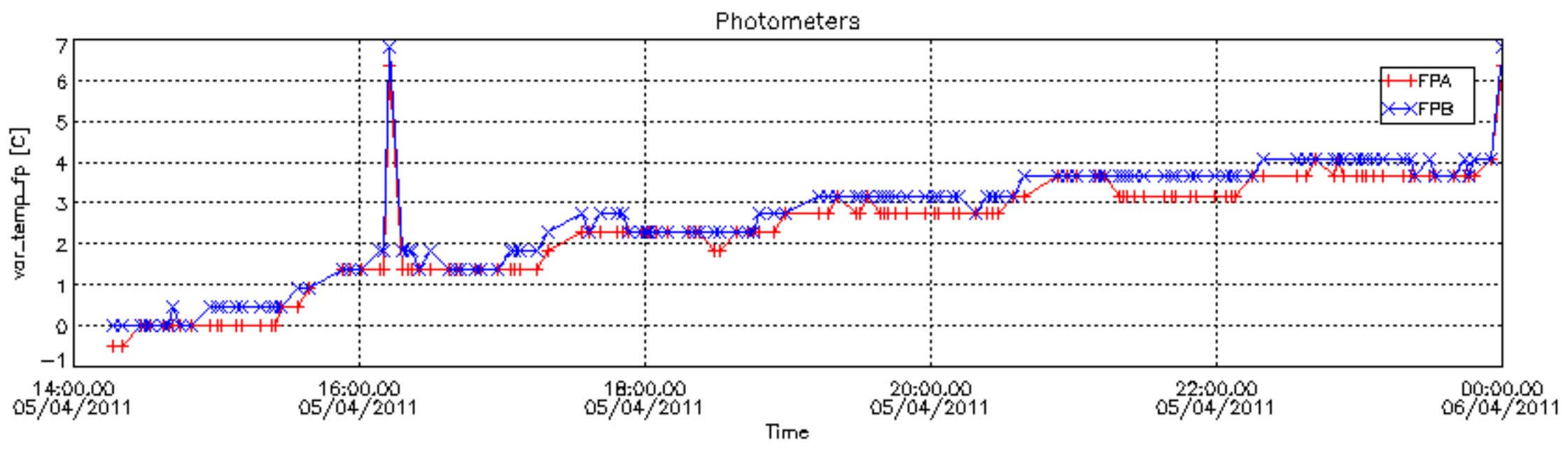
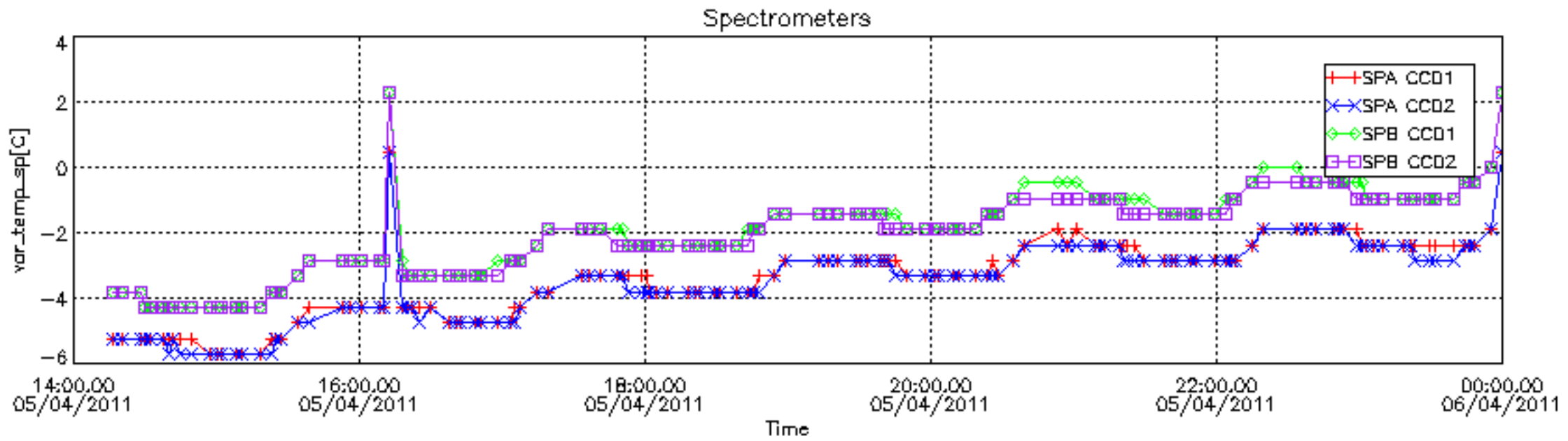
### 8. Auxiliary Data Files used for the production reported in section 2.4

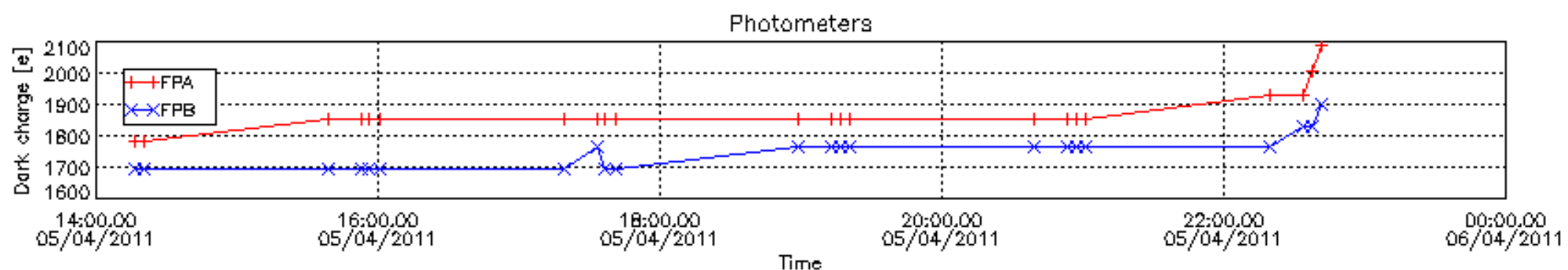
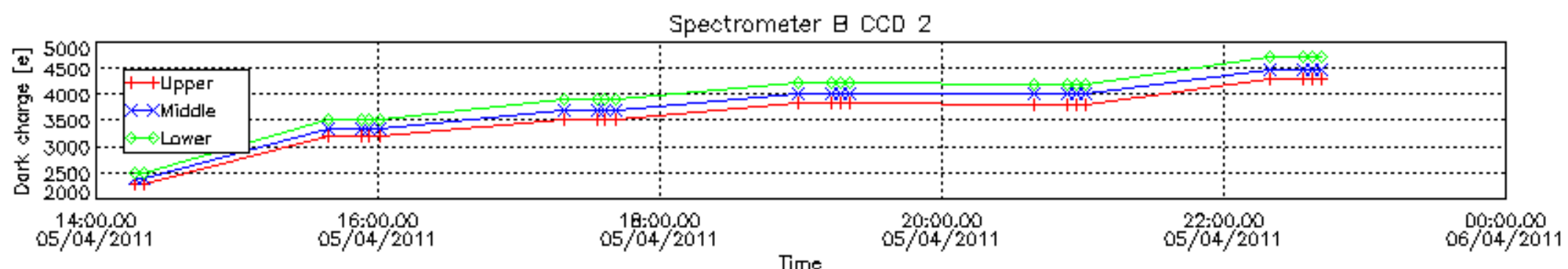
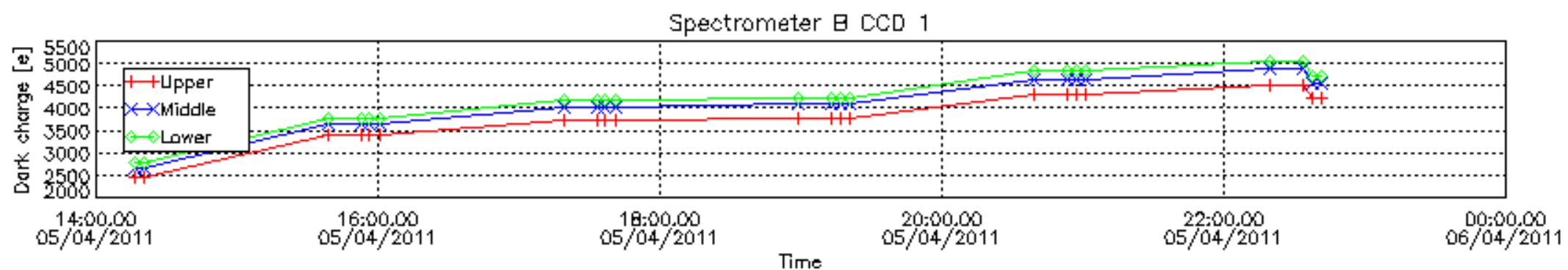
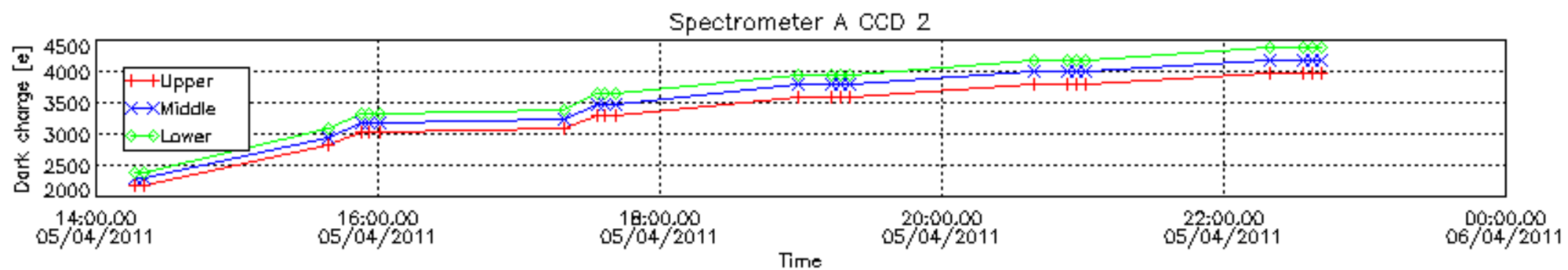
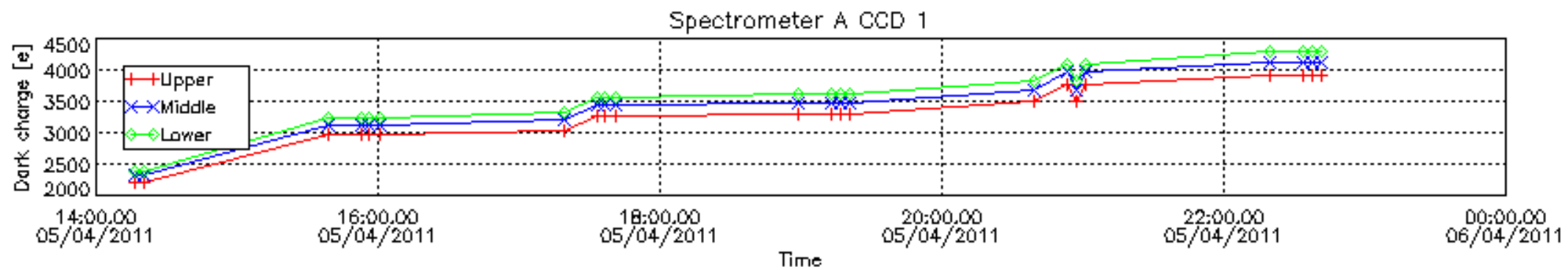
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

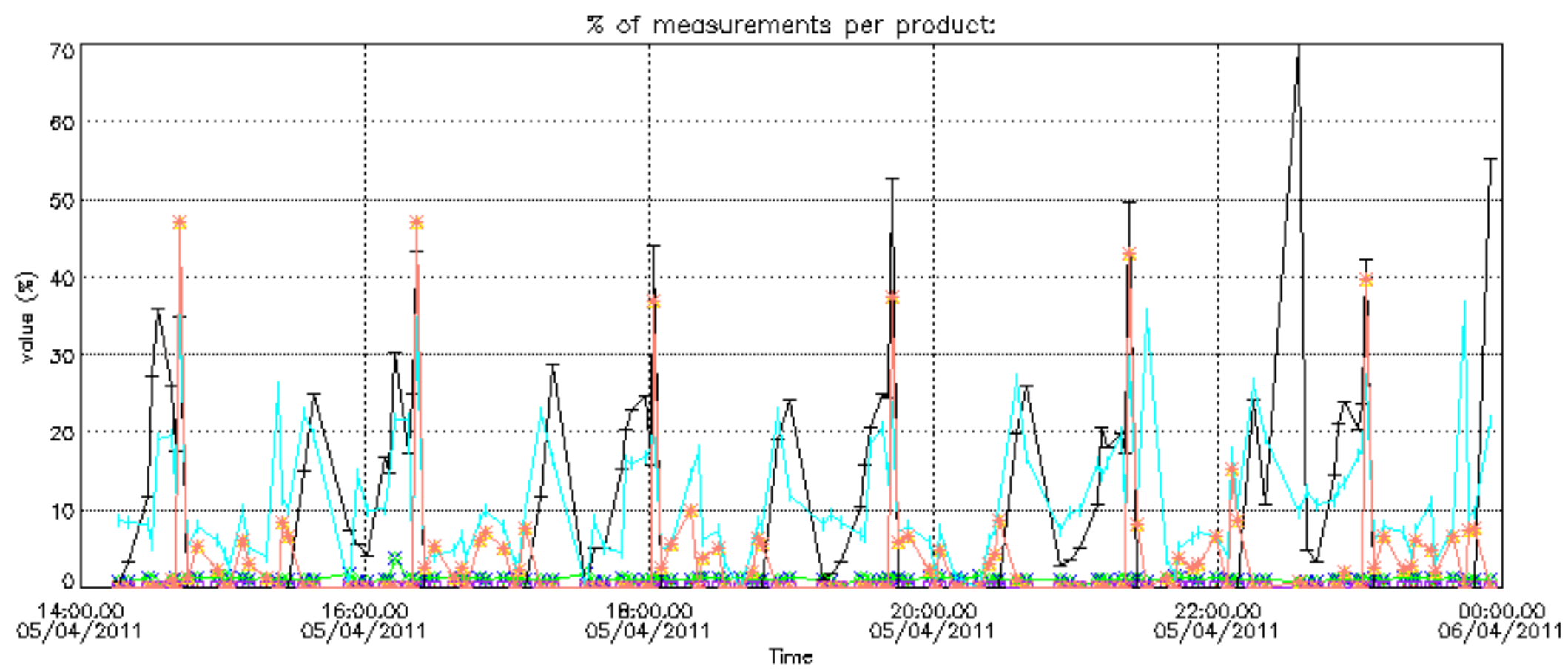
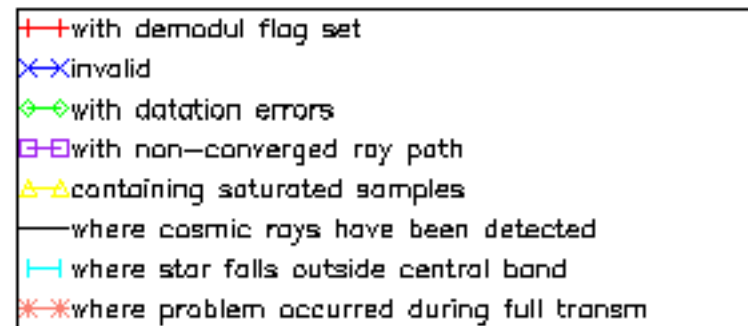
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	05-APR-2011 14:16:10
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110329_092027_20110328_000000_20500101_000000	1	05-APR-2011 14:16:10
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	05-APR-2011 14:16:10
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	05-APR-2011 14:16:10
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	05-APR-2011 14:16:10
ECMWF_FILE	AUX_ECF_AXNECM20110405_062114_20110405_090000_20110405_210000	1	05-APR-2011 14:16:10
ECMWF_FILE	AUX_ECF_AXNECM20110405_062114_20110405_150000_20110406_030000	27	05-APR-2011 16:12:32
ECMWF_FILE	AUX_ECA_AXNECM20110405_181730_20110405_090000_20110405_210000	48	05-APR-2011 17:50:11
ECMWF_FILE	AUX_ECF_AXNECM20110405_062114_20110405_150000_20110406_030000	69	05-APR-2011 19:28:50
ECMWF_FILE	AUX_ECF_AXNECM20110405_062115_20110405_210000_20110406_090000	91	05-APR-2011 21:09:04
OPTIONAL_ECMWF_FILE	MISSING	1	05-APR-2011 14:16:10
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110405_101730_20110404_195058_20110414_202433	1	05-APR-2011 14:16:10
ORBIT_DATA_FILE	DOR_NAV_OPNPK20110405_143033_000057383101_00140_47568_4227.N1	6	05-APR-2011 14:37:56
ORBIT_DATA_FILE	DOR_NAV_OPNPK20110405_161130_000054193101_00141_47569_4228.N1	27	05-APR-2011 16:12:32
ORBIT_DATA_FILE	DOR_NAV_OPNPK20110405_174709_000054193101_00142_47570_4229.N1	48	05-APR-2011 17:50:11
ORBIT_DATA_FILE	DOR_NAV_OPNPK20110405_192247_000057383101_00143_47571_4230.N1	69	05-APR-2011 19:28:50
ORBIT_DATA_FILE	DOR_NAV_OPNPK20110405_210344_000041443101_00144_47572_2830.N1	91	05-APR-2011 21:09:04
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110405_101730_20110404_195058_20110414_202433	109	05-APR-2011 22:19:38
ORBIT_DATA_FILE	DOR_NAV_OPNPK20110405_235904_000054193101_00145_47573_2832.N1	131	05-APR-2011 23:59:52





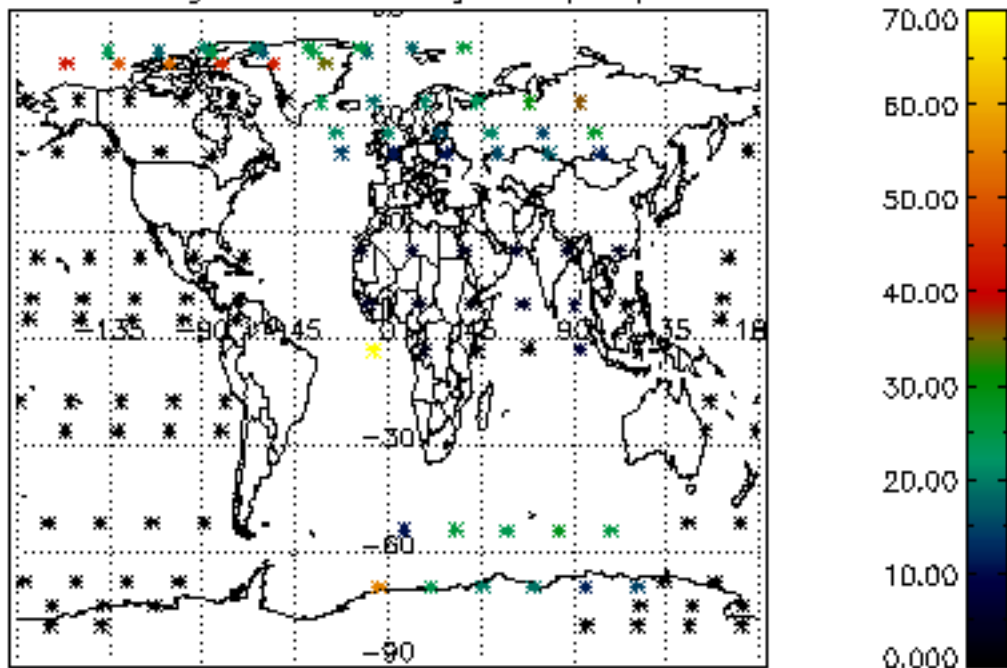




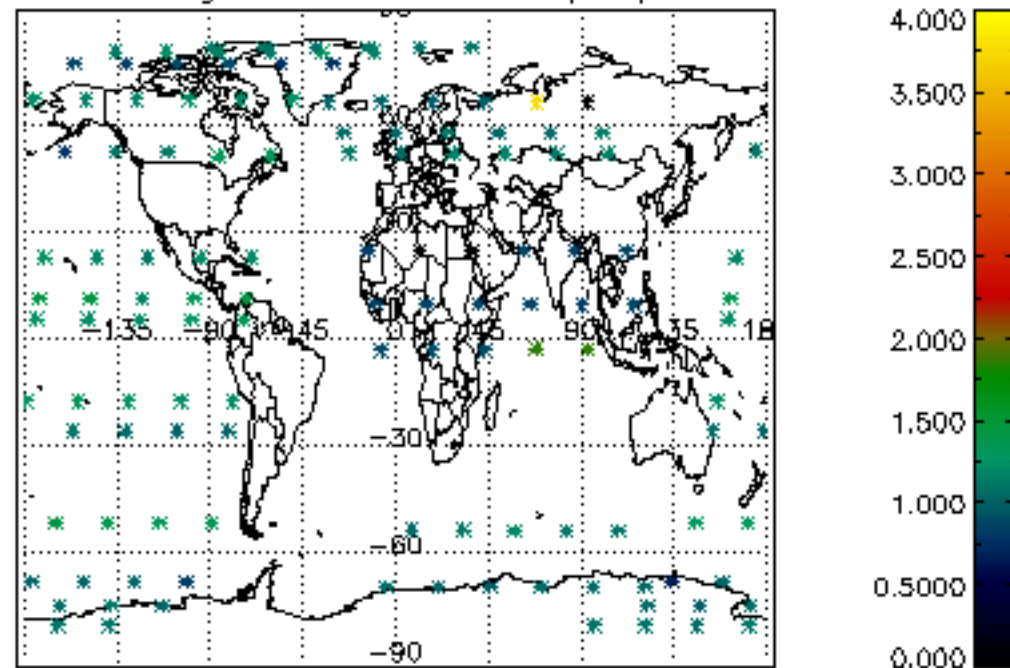




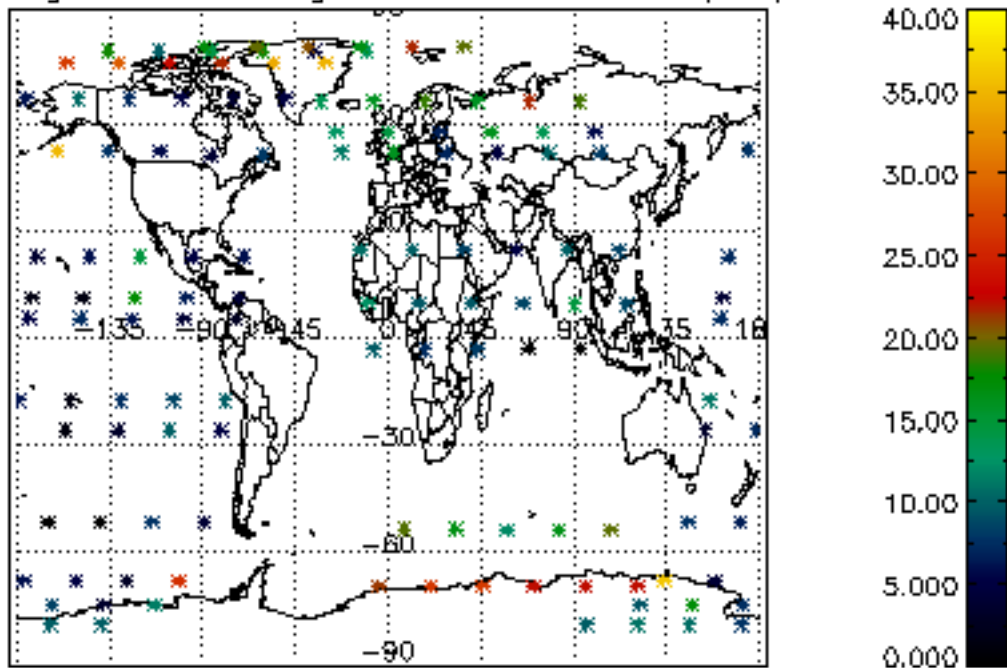
Percentage of cosmic ray hits per profile



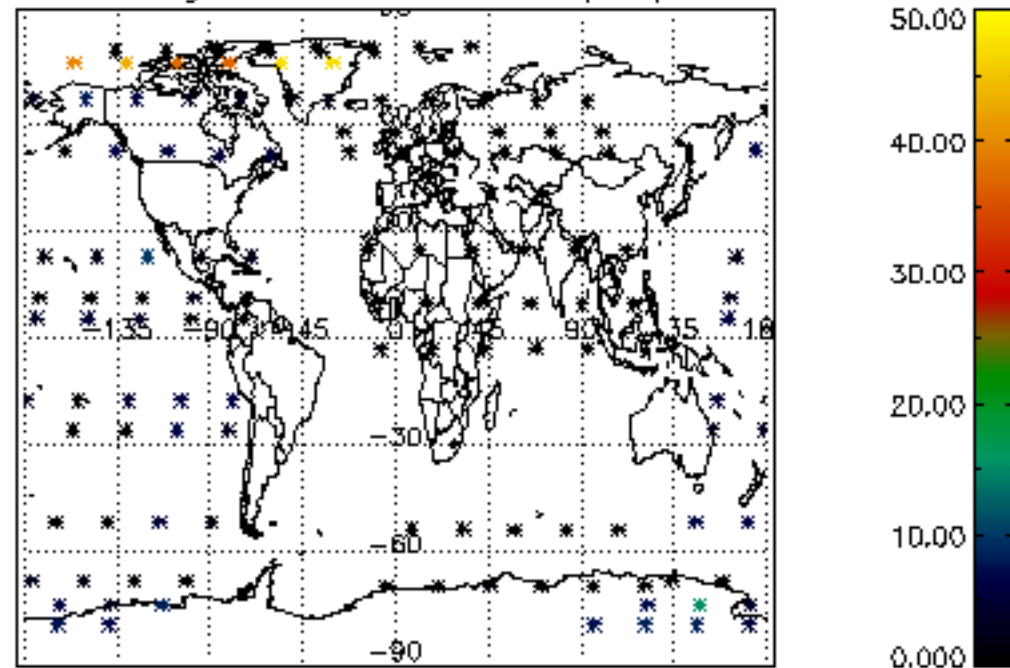
Percentage of datation errors per profile



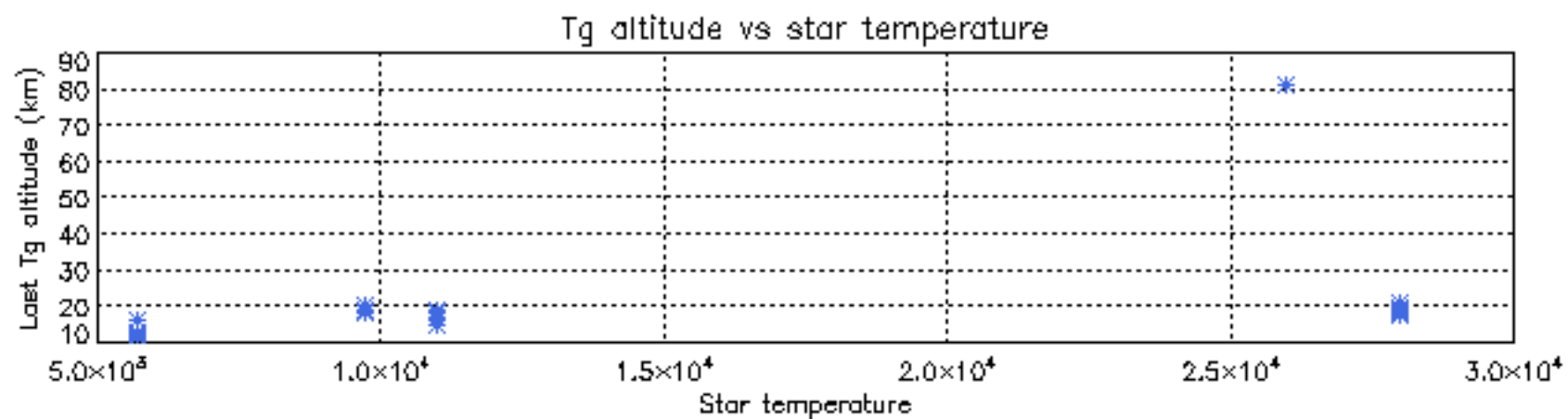
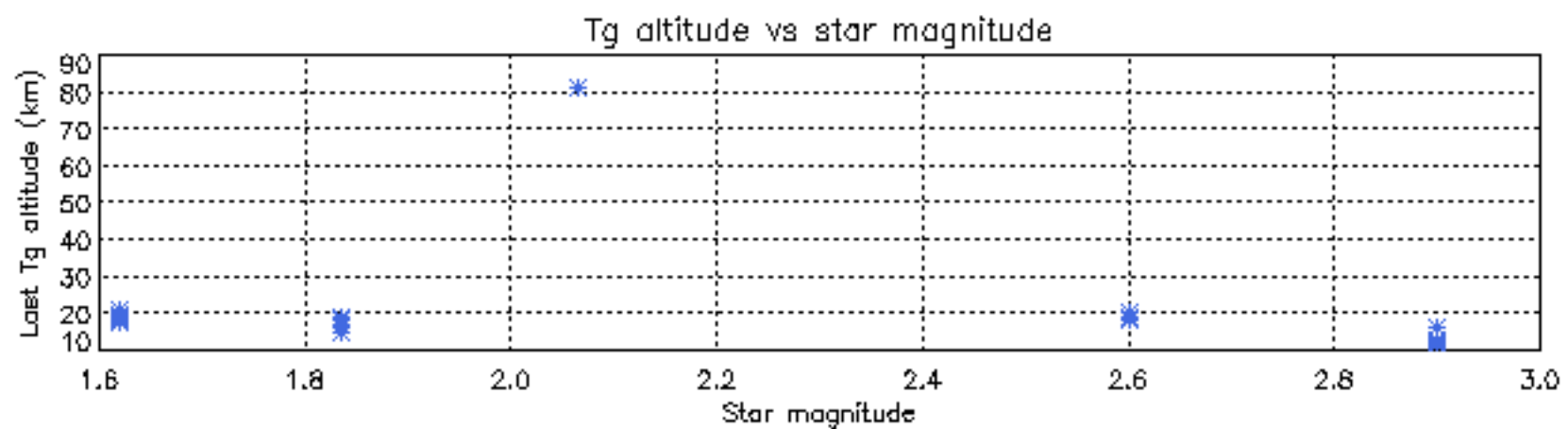
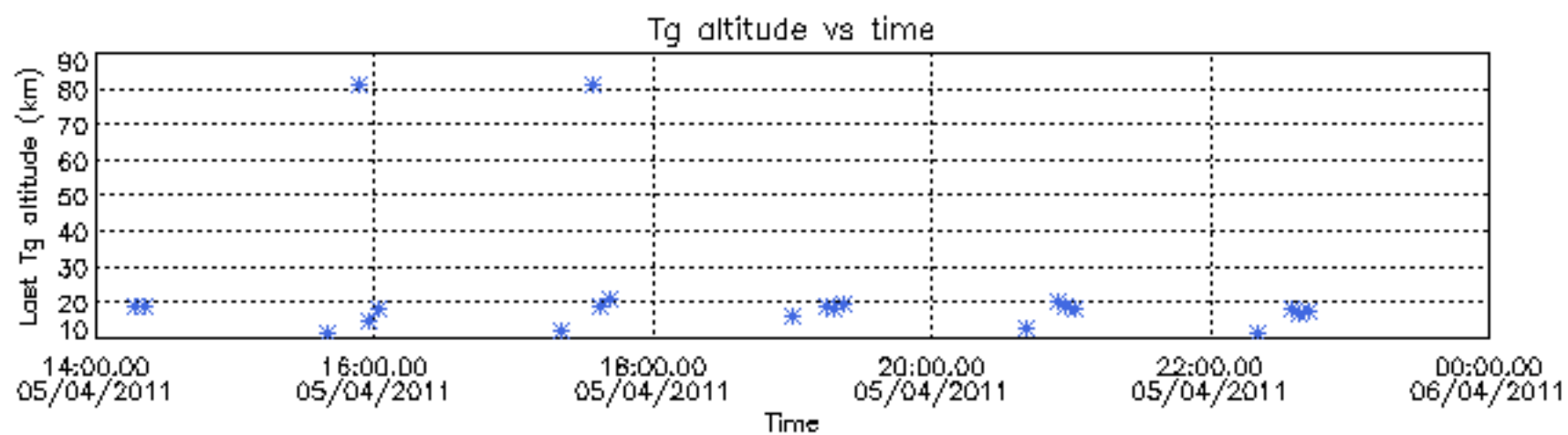
Percentage of star falling outside central band per profile



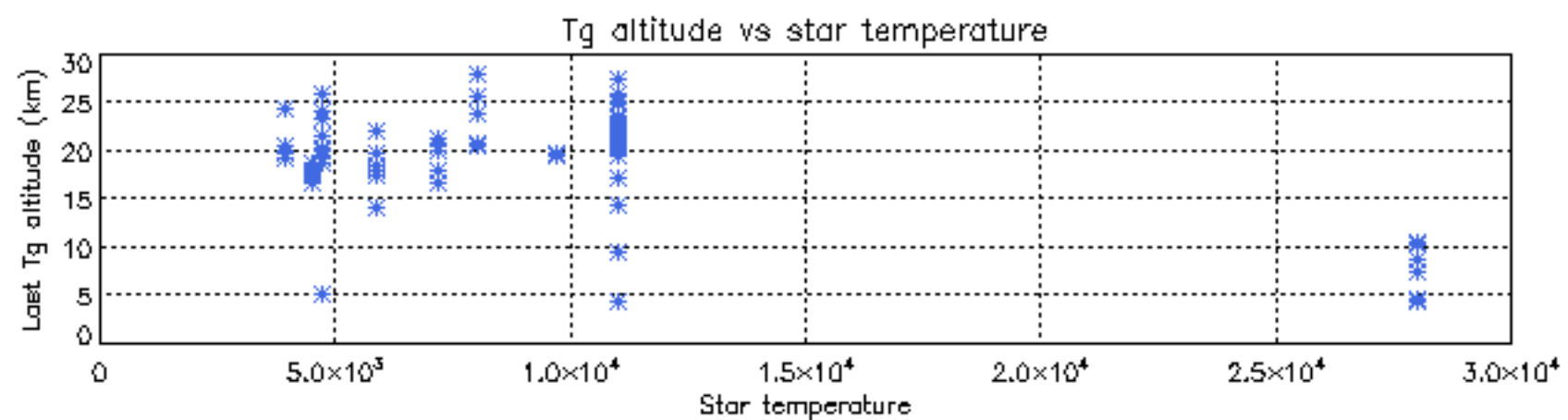
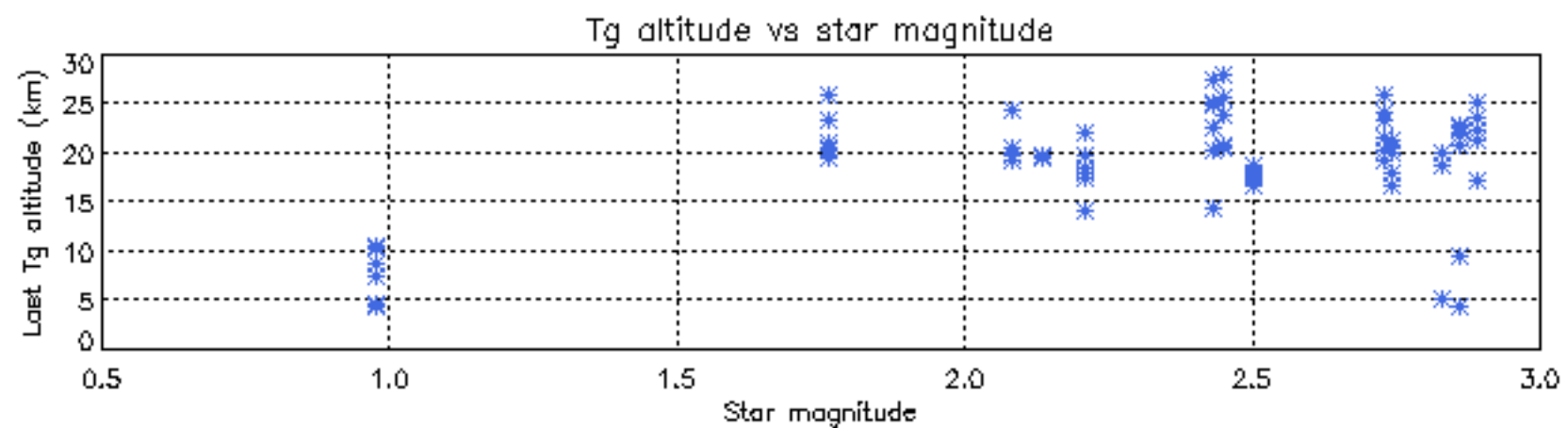
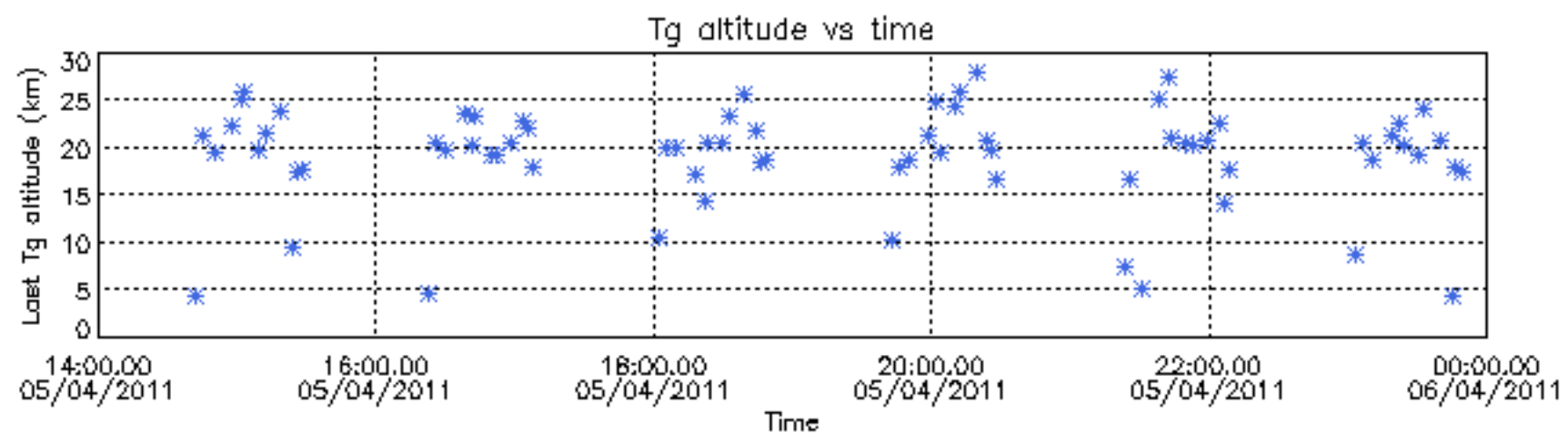
Percentage of saturation errors per profile

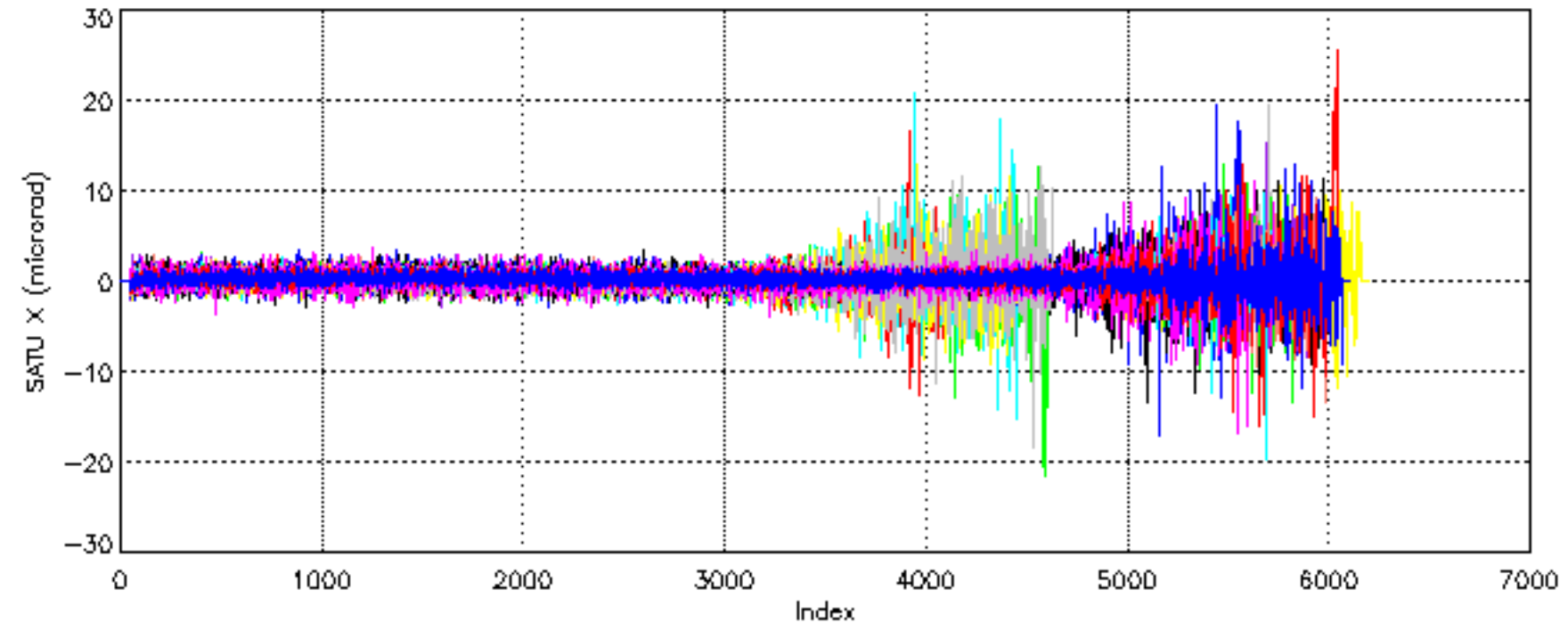


Tangent altitude at which the star is lost

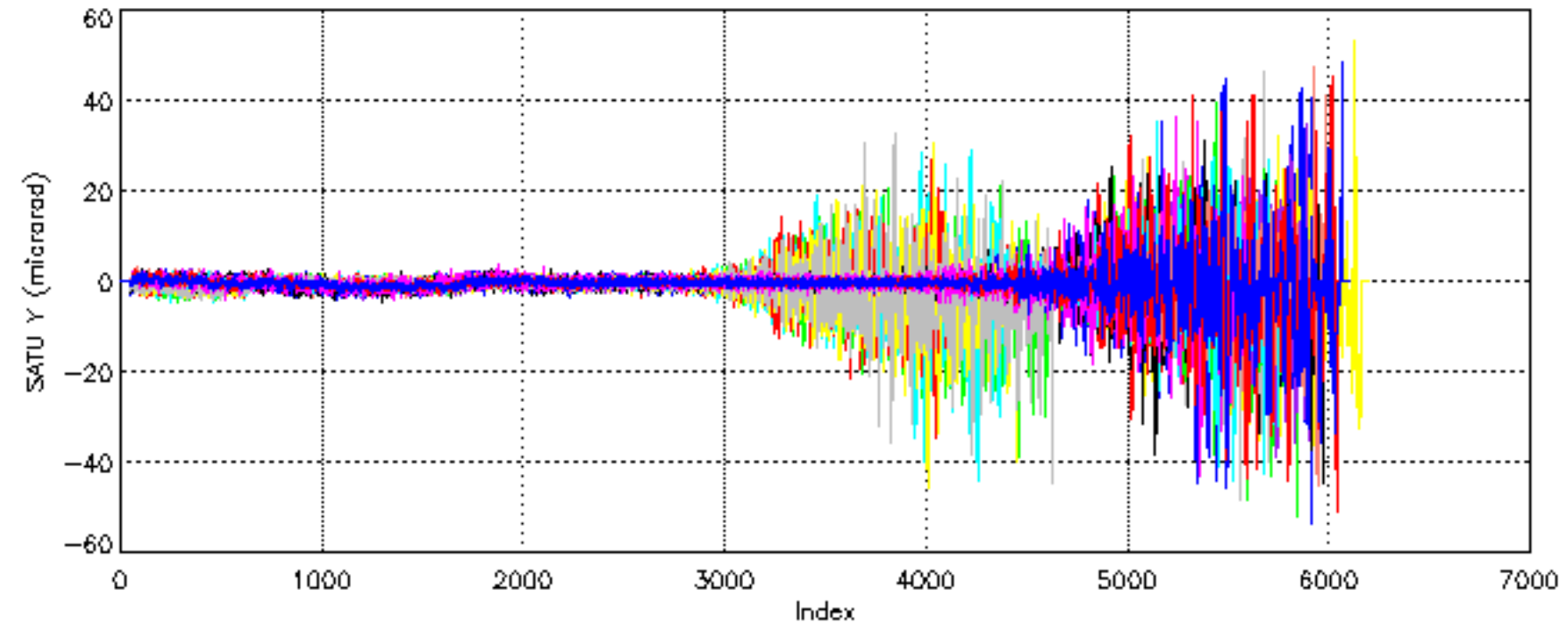


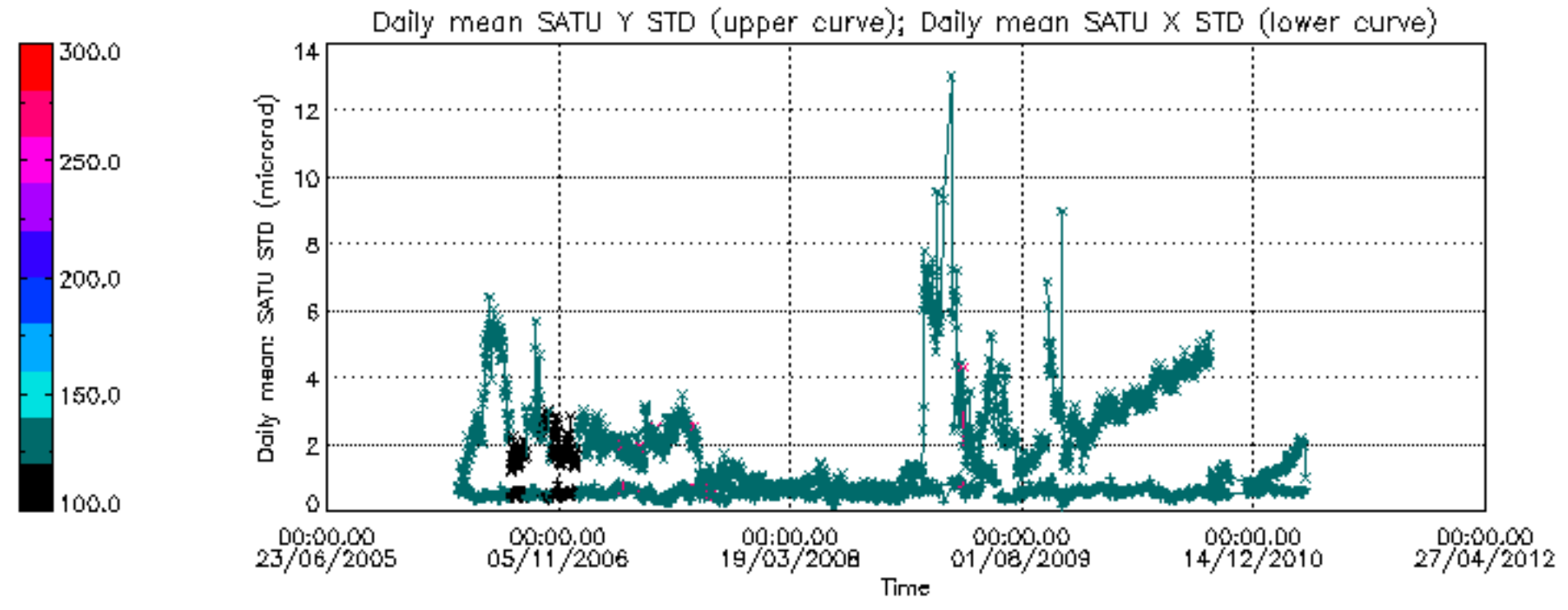
Tangent altitude at which the star is lost











/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20110401\_013316\_000096793101\_00074\_47502\_2571.N1

1; -306.9; 01-APR-2011 01:33:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;47502  
 2; -143.9; 01-APR-2011 01:35:59; Dark ; 52.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 104; 0;47502  
 3; 295.7; 01-APR-2011 01:43:19; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;47503  
 4; 512.8; 01-APR-2011 01:46:56; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;47503  
 5; 670.4; 01-APR-2011 01:49:33; Dark ; 56.0; 4; Alp1Cen ;-0.01; 5800;occ; 112; 0;47503  
 6; 835.1; 01-APR-2011 01:52:18; Dark ; 47.0; 78; Alp Lup ; 2.30; 28000;occ; 94; 0;47503  
 7; 930.9; 01-APR-2011 01:53:54; Dark ; 46.5; 81; Eta Cen ; 2.36; 28000;occ; 93; 0;47503  
 8; 1093.7; 01-APR-2011 01:56:37; Dark ; 51.0; 54; 5The Cen ; 2.06; 4500;occ; 102; 0;47503  
 9; 1450.9; 01-APR-2011 02:02:34; Dark ; 49.5; 106; 9Bet Crv ; 2.65; 5600;occ; 99; 0;47503  
 10; 1568.0; 01-APR-2011 02:04:31; Dark ; 45.5; 100; 4Gam Crv ; 2.58; 13100;occ; 91; 0;47503  
 11; 1675.4; 01-APR-2011 02:06:18; Dark ; 54.0; 15; 67Alp Vir ; 0.98; 28000;occ; 108; 0;47503  
 12; 1869.7; 01-APR-2011 02:09:33; Bright; 43.5; 121; 29Gam Vir ; 2.74; 7200;occ; 87; 0;47503  
 13; 2146.7; 01-APR-2011 02:14:10; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;47503  
 14; 2650.8; 01-APR-2011 02:22:34; Bright; 38.5; 174; 52Psi UMa ; 3.00; 4400;occ; 77; 0;47503  
 15; 2830.6; 01-APR-2011 02:25:34; Bright; 51.0; 87; 64Gam UMa ; 2.43; 11000;occ; 102; 0;47503  
 16; 2941.2; 01-APR-2011 02:27:24; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;47503  
 17; 3317.4; 01-APR-2011 02:33:40; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;47503  
 18; 3882.0; 01-APR-2011 02:43:05; Bright; 37.0; 89; 5Alp Cep ; 2.45; 8000;occ; 74; 0;47503  
 19; 4176.1; 01-APR-2011 02:47:59; Bright; 68.0; 144; 18Del Cyg ; 2.86; 11000;occ; 136; 0;47503  
 20; 4290.9; 01-APR-2011 02:49:54; Bright; 44.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 89; 0;47503  
 21; 4413.0; 01-APR-2011 02:51:56; Bright; 45.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 90; 0;47503  
 22; 5708.0; 01-APR-2011 03:13:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;47503  
 23; 5871.4; 01-APR-2011 03:16:14; Dark ; 52.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 104; 0;47503  
 24; 6085.2; 01-APR-2011 03:19:48; Dark ; 55.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 110; 0;47504  
 25; 6310.8; 01-APR-2011 03:23:34; Dark ; 56.0; 40; The Sco ; 1.86; 7100;occ; 112; 0;47504  
 26; 6527.3; 01-APR-2011 03:27:10; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;47504  
 27; 6685.0; 01-APR-2011 03:29:48; Dark ; 53.0; 4; Alp1Cen ;-0.01; 5800;occ; 106; 0;47504  
 28; 6850.1; 01-APR-2011 03:32:33; Dark ; 49.5; 78; Alp Lup ; 2.30; 28000;occ; 99; 0;47504  
 29; 6945.5; 01-APR-2011 03:34:08; Dark ; 50.5; 81; Eta Cen ; 2.36; 28000;occ; 101; 0;47504  
 30; 7108.1; 01-APR-2011 03:36:51; Dark ; 57.0; 54; 5The Cen ; 2.06; 4500;occ; 114; 0;47504  
 31; 7465.3; 01-APR-2011 03:42:48; Dark ; 46.5; 106; 9Bet Crv ; 2.65; 5600;occ; 93; 0;47504  
 32; 7582.4; 01-APR-2011 03:44:45; Dark ; 43.0; 100; 4Gam Crv ; 2.58; 13100;occ; 86; 0;47504  
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 17; 6317.6; 01-APR-2011 13:25:04; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;47510  
 18; 6530.5; 01-APR-2011 13:28:37; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;47510  
 19; 6687.8; 01-APR-2011 13:31:15; Dark ; 42.0; 4; Alp1Cen ;-0.01; 5800;occ; 84; 0;47510  
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 21; 6949.2; 01-APR-2011 13:35:36; Dark ; 47.0; 81; Eta Cen ; 2.36; 28000;occ; 94; 0;47510  
 22; 7111.2; 01-APR-2011 13:38:18; Dark ; 55.5; 54; 5The Cen ; 2.06; 4500;occ; 111; 0;47510  
 23; 7466.6; 01-APR-2011 13:44:13; Dark ; 47.0; 106; 9Bet Crv ; 2.65; 5600;occ; 94; 0;47510  
 24; 7583.3; 01-APR-2011 13:46:10; Dark ; 12.0; 100; 4Gam Crv ; 2.58; 13100;occ; 24; 0;47510

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 6; 939.8; 02-APR-2011 01:17:19; Dark ; 48.0; 81; Eta Cen ; 2.36; 28000;occ; 96; 0;47517  
 7; 1100.8; 02-APR-2011 01:20:00; Dark ; 54.5; 54; 5The Cen ; 2.06; 4500;occ; 109; 0;47517  
 8; 1453.7; 02-APR-2011 01:25:52; Dark ; 47.0; 106; 9Bet Crv ; 2.65; 5600;occ; 94; 0;47517  
 9; 1570.1; 02-APR-2011 01:27:49; Dark ; 43.5; 100; 4Gam Crv ; 2.58; 13100;occ; 87; 0;47517  
 10; 1675.4; 02-APR-2011 01:29:34; Dark ; 65.5; 15; 67Alp Vir ; 0.98; 28000;occ; 131; 0;47517  
 11; 1868.1; 02-APR-2011 01:32:47; Bright; 43.5; 121; 29Gam Vir ; 2.74; 7200;occ; 87; 0;47517  
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 13; 2650.0; 02-APR-2011 01:45:49; Bright; 37.0; 174; 52Psi UMa ; 3.00; 4400;occ; 74; 0;47517  
 14; 2827.7; 02-APR-2011 01:48:46; Bright; 38.0; 87; 64Gam UMa ; 2.43; 11000;occ; 76; 0;47517  
 15; 2933.4; 02-APR-2011 01:50:32; Bright; 49.5; 32; 77Eps UMa ; 1.76; 11000;occ; 99; 0;47517  
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 18; 4173.8; 02-APR-2011 02:11:13; Bright; 46.0; 144; 18Del Cyg ; 2.86; 11000;occ; 92; 0;47517  
 19; 4290.6; 02-APR-2011 02:13:09; Bright; 45.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 91; 0;47517  
 20; 4414.7; 02-APR-2011 02:15:13; Bright; 45.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 90; 0;47517  
 21; 4810.1; 02-APR-2011 02:21:49; Dark ; 44.0; 61; 8Eps Peg ; 2.10; 3900;occ; 88; 0;47517  
 22; 5086.5; 02-APR-2011 02:26:25; Dark ; 42.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 84; 0;47517

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 3; -123.7; 02-APR-2011 02:39:49; Dark ; 54.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 109; 0;47517  
 4; 89.7; 02-APR-2011 02:43:22; Dark ; 56.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 113; 0;47518  
 5; 312.4; 02-APR-2011 02:47:05; Dark ; 52.0; 40; The Sco ; 1.86; 7100;occ; 104; 0;47518  
 6; 520.7; 02-APR-2011 02:50:33; Dark ; 41.5; 134; Bet TrA ; 2.81; 6600;occ; 83; 0;47518  
 7; 844.5; 02-APR-2011 02:55:57; Dark ; 47.5; 78; Alp Lup ; 2.30; 28000;occ; 95; 0;47518  
 8; 940.3; 02-APR-2011 02:57:33; Dark ; 47.0; 81; Eta Cen ; 2.36; 28000;occ; 94; 0;47518  
 9; 1101.3; 02-APR-2011 03:00:14; Dark ; 52.5; 54; 5The Cen ; 2.06; 4500;occ; 105; 0;47518  
 10; 1454.0; 02-APR-2011 03:06:07; Dark ; 48.5; 106; 9Bet Crv ; 2.65; 5600;occ; 97; 0;47518  
 11; 1570.2; 02-APR-2011 03:08:03; Dark ; 43.5; 100; 4Gam Crv ; 2.58; 13100;occ; 87; 0;47518  
 12; 1675.3; 02-APR-2011 03:09:48; Dark ; 62.5; 15; 67Alp Vir ; 0.98; 28000;occ; 125; 0;47518  
 13; 1868.0; 02-APR-2011 03:13:01; Bright; 44.5; 121; 29Gam Vir ; 2.74; 7200;occ; 89; 0;47518  
 14; 2145.4; 02-APR-2011 03:17:38; Bright; 38.5; 62; 94Bet Leo ; 2.14; 9700;occ; 77; 0;47518  
 15; 2650.1; 02-APR-2011 03:26:03; Bright; 43.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 87; 0;47518  
 16; 2827.5; 02-APR-2011 03:29:00; Bright; 38.0; 87; 64Gam UMa ; 2.43; 11000;occ; 76; 0;47518  
 17; 2933.1; 02-APR-2011 03:30:46; Bright; 41.5; 32; 77Eps UMa ; 1.76; 11000;occ; 83; 0;47518  
 18; 3312.6; 02-APR-2011 03:37:05; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;47518

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 3; -1723.1; 02-APR-2011 03:53:24; Bright; 45.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 91; 0;47518  
 4; -1599.4; 02-APR-2011 03:55:27; Bright; 44.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 89; 0;47518  
 5; -1203.4; 02-APR-2011 04:02:03; Dark ; 43.5; 61; 8Eps Peg ; 2.10; 3900;occ; 87; 0;47518  
 6; -927.0; 02-APR-2011 04:06:40; Dark ; 42.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 85; 0;47518  
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 9; 91.0; 02-APR-2011 04:23:38; Dark ; 56.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 113; 0;47519  
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 11; 521.1; 02-APR-2011 04:30:48; Dark ; 41.0; 134; Bet TrA ; 2.81; 6600;occ; 82; 0;47519  
 12; 845.0; 02-APR-2011 04:36:12; Dark ; 47.0; 78; Alp Lup ; 2.30; 28000;occ; 94; 0;47519  
 13; 940.7; 02-APR-2011 04:37:47; Dark ; 46.0; 81; Eta Cen ; 2.36; 28000;occ; 92; 0;47519  
 14; 1101.7; 02-APR-2011 04:40:28; Dark ; 54.5; 54; 5The Cen ; 2.06; 4500;occ; 109; 0;47519  
 15; 1454.3; 02-APR-2011 04:46:21; Dark ; 46.5; 106; 9Bet Crv ; 2.65; 5600;occ; 93; 0;47519  
 16; 1570.6; 02-APR-2011 04:48:17; Dark ; 45.0; 100; 4Gam Crv ; 2.58; 13100;occ; 90; 0;47519  
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 18; 1868.2; 02-APR-2011 04:53:15; Bright; 43.0; 121; 29Gam Vir ; 2.74; 7200;occ; 86; 0;47519  
 19; 2145.3; 02-APR-2011 04:57:52; Bright; 38.0; 62; 94Bet Leo ; 2.14; 9700;occ; 76; 0;47519  
 20; 2649.6; 02-APR-2011 05:06:16; Bright; 42.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 84; 0;47519  
 21; 2827.1; 02-APR-2011 05:09:14; Bright; 38.0; 87; 64Gam UMa ; 2.43; 11000;occ; 76; 0;47519  
 22; 2932.7; 02-APR-2011 05:10:59; Bright; 42.0; 32; 77Eps UMa ; 1.76; 11000;occ; 84; 0;47519  
 23; 3312.2; 02-APR-2011 05:17:19; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;47519

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3;-1723.3; 02-APR-2011 05:33:38; Bright; 44.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 89; 0;47519  
4;-1599.2; 02-APR-2011 05:35:42; Bright; 44.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 88; 0;47519  
5;-1203.2; 02-APR-2011 05:42:18; Dark ; 47.0; 61; 8Eps Peg ; 2.10; 3900;occ; 94; 0;47519  
6; -926.8; 02-APR-2011 05:46:54; Dark ; 44.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 88; 0;47519  
7; -292.5; 02-APR-2011 05:57:28; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;47519  
8; -121.2; 02-APR-2011 06:00:20; Dark ; 53.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 106; 0;47519  
9; 92.1; 02-APR-2011 06:03:53; Dark ; 57.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 114; 0;47520  
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11; 521.6; 02-APR-2011 06:11:02; Dark ; 41.5; 134; Bet TrA ; 2.81; 6600;occ; 83; 0;47520  
12; 845.7; 02-APR-2011 06:16:27; Dark ; 45.5; 78; Alp Lup ; 2.30; 28000;occ; 91; 0;47520  
13; 941.7; 02-APR-2011 06:18:03; Dark ; 46.0; 81; Eta Cen ; 2.36; 28000;occ; 92; 0;47520  
14; 1102.2; 02-APR-2011 06:20:43; Dark ; 54.5; 54; 5The Cen ; 2.06; 4500;occ; 109; 0;47520  
15; 1454.5; 02-APR-2011 06:26:35; Dark ; 47.5; 106; 9Bet Crv ; 2.65; 5600;occ; 95; 0;47520  
16; 1570.4; 02-APR-2011 06:28:31; Dark ; 43.0; 100; 4Gam Crv ; 2.58; 13100;occ; 86; 0;47520  
17; 1675.4; 02-APR-2011 06:30:16; Dark ; 63.5; 15; 67Alp Vir ; 0.98; 28000;occ; 127; 0;47520  
18; 1867.9; 02-APR-2011 06:33:29; Bright; 44.0; 121; 29Gam Vir ; 2.74; 7200;occ; 88; 0;47520  
19; 2145.3; 02-APR-2011 06:38:06; Bright; 39.0; 62; 94Bet Leo ; 2.14; 9700;occ; 78; 0;47520  
20; 2648.9; 02-APR-2011 06:46:30; Bright; 41.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 83; 0;47520  
21; 2826.9; 02-APR-2011 06:49:28; Bright; 38.5; 87; 64Gam UMa ; 2.43; 11000;occ; 77; 0;47520  
22; 2932.3; 02-APR-2011 06:51:13; Bright; 41.0; 32; 77Eps UMa ; 1.76; 11000;occ; 82; 0;47520  
23; 3312.0; 02-APR-2011 06:57:33; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;47520

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6; -926.3; 02-APR-2011 07:27:09; Dark ; 45.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 90; 0;47520  
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9; 93.6; 02-APR-2011 07:44:08; Dark ; 55.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 111; 0;47521  
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12; 846.1; 02-APR-2011 07:56:41; Dark ; 45.0; 78; Alp Lup ; 2.30; 28000;occ; 90; 0;47521  
13; 942.1; 02-APR-2011 07:58:17; Dark ; 48.5; 81; Eta Cen ; 2.36; 28000;occ; 97; 0;47521  
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6; 2931.4; 02-APR-2011 10:11:40; Bright; 46.5; 32; 77Eps UMA ; 1.76; 11000;occ; 93; 0;47522
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11; 4415.1; 02-APR-2011 10:36:24; Bright; 42.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 85; 0;47522
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 23; 3422.2; 07-APR-2011 05:35:56; Bright; 47.0; 119; 14Eta Dra ; 2.73; 4700;occ; 94; 0;47591

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 23; 4868.3; 14-APR-2011 00:02:39; Dark ; 52.0; 61; 8Eps Peg ; 2.10; 3900;occ; 104; 0;47688  
 24; 5169.9; 14-APR-2011 00:07:41; Dark ; 48.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 97; 0;47688

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 6; 3262.8; 13-APR-2011 08:33:48; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;47679  
 7; 3358.7; 13-APR-2011 08:35:24; Bright; 47.5; 119; 14Eta Dra ; 2.73; 4700;occ; 95; 0;47679  
 8; 3863.0; 13-APR-2011 08:43:48; Bright; 57.0; 89; 5Alp Cep ; 2.45; 8000;occ; 114; 0;47679  
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 10; 4281.6; 13-APR-2011 08:50:47; Bright; 54.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 108; 0;47679  
 11; 4429.2; 13-APR-2011 08:53:15; Bright; 53.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 107; 0;47679  
 12; 4864.8; 13-APR-2011 09:00:30; Dark ; 49.0; 61; 8Eps Peg ; 2.10; 3900;occ; 98; 0;47679  
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 24; 7567.3; 13-APR-2011 09:45:33; Dark ; 58.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 116; 0;47680  
 25; 7693.2; 13-APR-2011 09:47:38; Bright; 54.5; 15; 67Alp Vir ; 0.98; 28000;occ; 109; 0;47680

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13;	5165.7;	13-APR-2011	12:25:59;	Dark	;	50.0;	154;	22Bet Aqr	;	2.90;	5700;occ;	100;	0;	47681
14;	5880.1;	13-APR-2011	12:37:53;	Dark	;	59.0;	0;		;	0.00;	0;occ;	118;	0;	47681
15;	6121.7;	13-APR-2011	12:41:55;	Dark	;	62.5;	103;	38Zet Sgr	;	2.60;	9700;occ;	125;	0;	47682
16;	6337.5;	13-APR-2011	12:45:31;	Dark	;	62.5;	38;	20Eps Sgr	;	1.84;	11000;occ;	125;	0;	47682
17;	6477.4;	13-APR-2011	12:47:51;	Dark	;	43.0;	141;	Bet Ara	;	2.84;	4600;occ;	86;	0;	47682
18;	6577.3;	13-APR-2011	12:49:31;	Dark	;	59.5;	25;	35Lam Sco	;	1.62;	28000;occ;	119;	0;	47682
19;	6816.6;	13-APR-2011	12:53:30;	Dark	;	64.0;	75;	26Eps Sco	;	2.29;	4250;occ;	128;	0;	47682
20;	6946.7;	13-APR-2011	12:55:40;	Dark	;	43.5;	78;	Alp Lup	;	2.30;	28000;occ;	87;	0;	47682
21;	7042.2;	13-APR-2011	12:57:15;	Dark	;	41.5;	81;	Eta Cen	;	2.36;	28000;occ;	83;	0;	47682
22;	7186.1;	13-APR-2011	12:59:39;	Dark	;	48.0;	54;	5The Cen	;	2.06;	4500;occ;	96;	0;	47682
23;	7472.6;	13-APR-2011	13:04:26;	Dark	;	43.5;	169;	46Gam Hya	;	2.99;	4700;occ;	87;	0;	47682
24;	7567.3;	13-APR-2011	13:06:01;	Dark	;	62.0;	122;	9Alp2Lib	;	2.75;	9700;occ;	124;	0;	47682
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2;	1679.4;	13-APR-2011	13:08:06;	Bright	;	55.5;	15;	67Alp Vir	;	0.98;	28000;occ;	111;	0;	47682
3;	2092.8;	13-APR-2011	13:15:00;	Bright	;	40.5;	138;	47Eps Vir	;	2.83;	4700;occ;	81;	0;	47682
4;	2304.0;	13-APR-2011	13:18:31;	Bright	;	48.0;	111;	8Eta Boo	;	2.68;	6000;occ;	96;	0;	47682
5;	2580.9;	13-APR-2011	13:23:08;	Bright	;	48.0;	152;	12Alp2CVn	;	2.89;	11000;occ;	96;	0;	47682
6;	2844.2;	13-APR-2011	13:27:31;	Bright	;	44.0;	39;	85Eta UMa	;	1.85;	24000;occ;	88;	0;	47682
7;	3262.2;	13-APR-2011	13:34:29;	Bright	;	39.5;	60;	7Bet UMi	;	2.08;	3950;occ;	79;	0;	47682
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11;	4281.4;	13-APR-2011	13:51:29;	Bright	;	52.0;	66;	37Gam Cyg	;	2.21;	5900;occ;	104;	0;	47682
12;	4429.6;	13-APR-2011	13:53:57;	Bright	;	52.5;	92;	53Eps Cyg	;	2.50;	4500;occ;	105;	0;	47682
13;	4866.1;	13-APR-2011	14:01:13;	Dark	;	50.5;	61;	8Eps Peg	;	2.10;	3900;occ;	101;	0;	47682
14;	5166.4;	13-APR-2011	14:06:14;	Dark	;	48.5;	154;	22Bet Aqr	;	2.90;	5700;occ;	97;	0;	47682
15;	5881.3;	13-APR-2011	14:18:08;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	47682
16;	6123.4;	13-APR-2011	14:22:10;	Dark	;	60.5;	103;	38Zet Sgr	;	2.60;	9700;occ;	121;	0;	47683
17;	6339.2;	13-APR-2011	14:25:46;	Dark	;	62.0;	38;	20Eps Sgr	;	1.84;	11000;occ;	124;	0;	47683
18;	6478.1;	13-APR-2011	14:28:05;	Dark	;	45.0;	141;	Bet Ara	;	2.84;	4600;occ;	90;	0;	47683
19;	6578.7;	13-APR-2011	14:29:46;	Dark	;	61.0;	25;	35Lam Sco	;	1.62;	28000;occ;	122;	0;	47683
20;	6817.8;	13-APR-2011	14:33:45;	Dark	;	64.0;	75;	26Eps Sco	;	2.29;	4250;occ;	128;	0;	47683
21;	6947.5;	13-APR-2011	14:35:55;	Dark	;	44.0;	78;	Alp Lup	;	2.30;	28000;occ;	88;	0;	47683
22;	7042.7;	13-APR-2011	14:37:30;	Dark	;	43.5;	81;	Eta Cen	;	2.36;	28000;occ;	87;	0;	47683
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3;	1679.5;	13-APR-2011	14:48:21;	Bright	;	51.5;	15;	67Alp Vir	;	0.98;	28000;occ;	103;	0;	47683
4;	2092.7;	13-APR-2011	14:55:14;	Bright	;	40.5;	138;	47Eps Vir	;	2.83;	4700;occ;	81;	0;	47683
5;	2303.6;	13-APR-2011	14:58:45;	Bright	;	48.0;	111;	8Eta Boo	;	2.68;	6000;occ;	96;	0;	47683
6;	2580.8;	13-APR-2011	15:03:22;	Bright	;	39.0;	152;	12Alp2CVn	;	2.89;	11000;occ;	78;	0;	47683
7;	2843.8;	13-APR-2011	15:07:45;	Bright	;	50.0;	39;	85Eta UMa	;	1.85;	24000;occ;	100;	0;	47683
8;	3261.8;	13-APR-2011	15:14:43;	Bright	;	41.0;	60;	7Bet UMi	;	2.08;	3950;occ;	82;	0;	47683
9;	3355.6;	13-APR-2011	15:16:17;	Bright	;	47.5;	119;	14Eta Dra	;	2.73;	4700;occ;	95;	0;	47683
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11;	4133.3;	13-APR-2011	15:29:14;	Bright	;	55.0;	144;	18Del Cyg	;	2.86;	11000;occ;	110;	0;	47683
12;	4281.5;	13-APR-2011	15:31:43;	Bright	;	52.0;	66;	37Gam Cyg	;	2.21;	5900;occ;	104;	0;	47683
13;	4429.8;	13-APR-2011	15:34:11;	Bright	;	52.5;	92;	53Eps Cyg	;	2.50;	4500;occ;	105;	0;	47683
14;	4866.9;	13-APR-2011	15:41:28;	Dark	;	50.5;	61;	8Eps Peg	;	2.10;	3900;occ;	101;	0;	47683
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17;	6125.1;	13-APR-2011	16:02:26;	Dark	;	60.0;	103;	38Zet Sgr	;	2.60;	9700;occ;	120;	0;	47684
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21;	6819.1;	13-APR-2011	16:14:00;	Dark	;	63.5;	75;	26Eps Sco	;	2.29;	4250;occ;	127;	0;	47684
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9; 4172.2; 15-APR-2011 10:55:57; Bright; 49.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 99; 0;47709
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2;	1681.2;	15-APR-2011	15:15:08;	Bright;	;	42.0;	15;	67Alp Vir	;	0.98;	28000;occ;	84;	0;	47712
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9;	3858.1;	15-APR-2011	15:51:25;	Bright;	;	38.5;	89;	5Alp Cep	;	2.45;	8000;occ;	77;	0;	47712
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21;	6617.6;	15-APR-2011	16:37:24;	Dark	;	61.0;	25;	35Lam Sco	;	1.62;	28000;occ;	122;	0;	47713
22;	6851.9;	15-APR-2011	16:41:19;	Dark	;	64.5;	75;	26Eps Sco	;	2.29;	4250;occ;	129;	0;	47713
23;	7056.5;	15-APR-2011	16:44:43;	Dark	;	45.0;	81;	Eta Cen	;	2.36;	28000;occ;	90;	0;	47713
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12; 5046.5; 18-APR-2011 14:21:01; Dark ; 46.5; 162; 34Alp Aqr ; 2.94; 5350;occ; 93; 0;47754
13; 5213.9; 18-APR-2011 14:23:49; Dark ; 48.0; 154; 22Bet Aqr ; 2.90; 5700;occ; 96; 0;47754
14; 5353.4; 18-APR-2011 14:26:08; Dark ; 45.5; 142; 49Del Cap ; 2.85; 8900;occ; 91; 0;47754
15; 5965.6; 18-APR-2011 14:36:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;47754
16; 6241.8; 18-APR-2011 14:40:57; Dark ; 64.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 128; 0;47755
17; 6447.4; 18-APR-2011 14:44:22; Dark ; 65.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 130; 0;47755
18; 6573.8; 18-APR-2011 14:46:29; Dark ; 56.0; 178; Iot1Sco ; 3.02; 6550;occ; 112; 0;47755
19; 6670.1; 18-APR-2011 14:48:05; Dark ; 62.0; 25; 35Lam Sco ; 1.62; 28000;occ; 124; 0;47755
20; 6896.8; 18-APR-2011 14:51:52; Dark ; 66.5; 75; 26Eps Sco ; 2.29; 4250;occ; 133; 0;47755
21; 7021.4; 18-APR-2011 14:53:56; Dark ; 43.0; 109; Bet Lup ; 2.68; 26000;occ; 86; 0;47755
22; 7243.5; 18-APR-2011 14:57:38; Dark ; 62.0; 158; 6Pi Sco ; 2.91; 28000;occ; 124; 0;47755

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2;	2268.2;	18-APR-2011	15:14:57;	Bright;	;	65.0;	111;	8Eta Boo	;	2.68;	6000;occ;	130;	0;	47755
3;	2562.6;	18-APR-2011	15:19:51;	Bright;	;	52.5;	83;		;	2.38;	11000;occ;	105;	0;	47755
4;	2723.4;	18-APR-2011	15:22:32;	Bright;	;	46.0;	180;	27Gam Boo	;	3.04;	8000;occ;	92;	0;	47755
5;	2870.8;	18-APR-2011	15:24:59;	Bright;	;	39.0;	55;	79Zet UMa	;	2.06;	10200;occ;	78;	0;	47755
6;	3241.9;	18-APR-2011	15:31:11;	Bright;	;	38.5;	60;	7Bet UMi	;	2.08;	3950;occ;	77;	0;	47755
7;	3850.1;	18-APR-2011	15:41:19;	Bright;	;	39.0;	89;	5Alp Cep	;	2.45;	8000;occ;	78;	0;	47755
8;	4106.2;	18-APR-2011	15:45:35;	Bright;	;	52.0;	144;	18Del Cyg	;	2.86;	11000;occ;	104;	0;	47755
9;	4272.2;	18-APR-2011	15:48:21;	Bright;	;	57.5;	66;	37Gam Cyg	;	2.21;	5900;occ;	115;	0;	47755
10;	4435.5;	18-APR-2011	15:51:04;	Bright;	;	58.5;	92;	53Eps Cyg	;	2.50;	4500;occ;	117;	0;	47755
11;	4899.1;	18-APR-2011	15:58:48;	Dark	;	51.0;	61;	8Eps Peg	;	2.10;	3900;occ;	102;	0;	47755
12;	5047.0;	18-APR-2011	16:01:16;	Dark	;	46.5;	162;	34Alp Aqr	;	2.94;	5350;occ;	93;	0;	47755
13;	5214.8;	18-APR-2011	16:04:03;	Dark	;	51.0;	154;	22Bet Aqr	;	2.90;	5700;occ;	102;	0;	47755
14;	5354.0;	18-APR-2011	16:06:23;	Dark	;	41.5;	142;	49Del Cap	;	2.85;	8900;occ;	83;	0;	47755
15;	5966.9;	18-APR-2011	16:16:36;	Dark	;	59.0;	0;		;	0.00;	0;occ;	118;	0;	47755
16;	6243.7;	18-APR-2011	16:21:12;	Dark	;	66.0;	103;	38Zet Sgr	;	2.60;	9700;occ;	132;	0;	47756
17;	6448.9;	18-APR-2011	16:24:38;	Dark	;	66.0;	38;	20Eps Sgr	;	1.84;	11000;occ;	132;	0;	47756
18;	6575.3;	18-APR-2011	16:26:44;	Dark	;	55.0;	178;	Iot1Sco	;	3.02;	6550;occ;	110;	0;	47756
19;	6671.2;	18-APR-2011	16:28:20;	Dark	;	66.0;	25;	35Lam Sco	;	1.62;	28000;occ;	132;	0;	47756
20;	6897.7;	18-APR-2011	16:32:06;	Dark	;	68.0;	75;	26Eps Sco	;	2.29;	4250;occ;	136;	0;	47756
21;	7021.8;	18-APR-2011	16:34:10;	Dark	;	42.5;	109;	Bet Lup	;	2.68;	26000;occ;	85;	0;	47756
22;	7244.0;	18-APR-2011	16:37:53;	Dark	;	34.5;	158;	6Pi Sco	;	2.91;	28000;occ;	69;	0;	47756

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2;	1561.1;	18-APR-2011	16:43:24;	Dark	;	57.0;	122;	9Alp2Lib	;	2.75;	9700;occ;	114;	0;	47756
3;	2267.6;	18-APR-2011	16:55:10;	Bright;	;	45.0;	111;	8Eta Boo	;	2.68;	6000;occ;	90;	0;	47756
4;	2561.7;	18-APR-2011	17:00:04;	Bright;	;	56.0;	83;		;	2.38;	11000;occ;	112;	0;	47756
5;	2722.6;	18-APR-2011	17:02:45;	Bright;	;	47.5;	180;	27Gam Boo	;	3.04;	8000;occ;	95;	0;	47756
6;	2870.4;	18-APR-2011	17:05:13;	Bright;	;	38.0;	55;	79Zet UMa	;	2.06;	10200;occ;	76;	0;	47756
7;	3241.3;	18-APR-2011	17:11:24;	Bright;	;	41.0;	60;	7Bet UMi	;	2.08;	3950;occ;	82;	0;	47756
8;	3849.7;	18-APR-2011	17:21:32;	Bright;	;	40.0;	89;	5Alp Cep	;	2.45;	8000;occ;	80;	0;	47756
9;	4105.6;	18-APR-2011	17:25:48;	Bright;	;	48.0;	144;	18Del Cyg	;	2.86;	11000;occ;	96;	0;	47756
10;	4272.1;	18-APR-2011	17:28:35;	Bright;	;	58.0;	66;	37Gam Cyg	;	2.21;	5900;occ;	116;	0;	47756
11;	4435.4;	18-APR-2011	17:31:18;	Dark	;	64.0;	92;	53Eps Cyg	;	2.50;	4500;occ;	128;	0;	47756
12;	4899.4;	18-APR-2011	17:39:02;	Dark	;	54.5;	61;	8Eps Peg	;	2.10;	3900;occ;	109;	0;	47756
13;	5047.4;	18-APR-2011	17:41:30;	Dark	;	46.0;	162;	34Alp Aqr	;	2.94;	5350;occ;	92;	0;	47756
14;	5215.4;	18-APR-2011	17:44:18;	Dark	;	53.0;	154;	22Bet Aqr	;	2.90;	5700;occ;	106;	0;	47756
15;	5354.7;	18-APR-2011	17:46:37;	Dark	;	46.0;	142;	49Del Cap	;	2.85;	8900;occ;	92;	0;	47756
16;	5968.1;	18-APR-2011	17:56:51;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	47756
17;	6245.2;	18-APR-2011	18:01:28;	Dark	;	68.5;	103;	38Zet Sgr	;	2.60;	9700;occ;	137;	0;	47757
18;	6450.4;	18-APR-2011	18:04:53;	Dark	;	62.5;	38;	20Eps Sgr	;	1.84;	11000;occ;	125;	0;	47757
19;	6576.4;	18-APR-2011	18:06:59;	Dark	;	58.0;	178;	Iot1Sco	;	3.02;	6550;occ;	116;	0;	47757
20;	6672.5;	18-APR-2011	18:08:35;	Dark	;	61.0;	25;	35Lam Sco	;	1.62;	28000;occ;	122;	0;	47757
21;	6898.7;	18-APR-2011	18:12:21;	Dark	;	70.0;	75;	26Eps Sco	;	2.29;	4250;occ;	140;	0;	47757
22;	7022.2;	18-APR-2011	18:14:25;	Dark	;	42.5;	109;	Bet Lup	;	2.68;	26000;occ;	85;	0;	47757

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2;	1561.1;	18-APR-2011	18:23:38;	Dark	;	61.5;	122;	9Alp2Lib	;	2.75;	9700;occ;	123;	0;	47757
3;	2267.1;	18-APR-2011	18:35:24;	Bright;	;	45.0;	111;	8Eta Boo	;	2.68;	6000;occ;	90;	0;	47757
4;	2560.6;	18-APR-2011	18:40:17;	Bright;	;	55.5;	83;		;	2.38;	11000;occ;	111;	0;	47757
5;	2721.8;	18-APR-2011	18:42:59;	Bright;	;	45.0;	180;	27Gam Boo	;	3.04;	8000;occ;	90;	0;	47757
6;	2870.2;	18-APR-2011	18:45:27;	Bright;	;	38.0;	55;	79Zet UMa	;	2.06;	10200;occ;	76;	0;	47757
7;	3241.0;	18-APR-2011	18:51:38;	Bright;	;	39.5;	60;	7Bet UMi	;	2.08;	3950;occ;	79;	0;	47757
8;	3849.4;	18-APR-2011	19:01:46;	Bright;	;	38.0;	89;	5Alp Cep	;	2.45;	8000;occ;	76;	0;	47757
9;	4105.1;	18-APR-2011	19:06:02;	Bright;	;	48.0;	144;	18Del Cyg	;	2.86;	11000;occ;	96;	0;	47757
10;	4271.8;	18-APR-2011	19:08:49;	Bright;	;	58.0;	66;	37Gam Cyg	;	2.21;	5900;occ;	116;	0;	47757
11;	4435.4;	18-APR-2011	19:11:32;	Dark	;	64.0;	92;	53Eps Cyg	;	2.50;	4500;occ;	128;	0;	47757
12;	4900.1;	18-APR-2011	19:19:17;	Dark	;	53.0;	61;	8Eps Peg	;	2.10;	3900;occ;	106;	0;	47757
13;	5048.0;	18-APR-2011	19:21:45;	Dark	;	46.5;	162;	34Alp Aqr	;	2.94;	5350;occ;	93;	0;	47757
14;	5215.8;	18-APR-2011	19:24:33;	Dark	;	50.5;	154;	22Bet Aqr	;	2.90;	5700;occ;	101;	0;	47757
15;	5355.5;	18-APR-2011	19:26:52;	Dark	;	44.5;	142;	49Del Cap	;	2.85;	8900;occ;	89;	0;	47757
16;	5969.3;	18-APR-2011	19:37:06;	Dark	;	59.0;	0;		;	0.00;	0;occ;	118;	0;	47757
17;	6246.9;	18-APR-2011	19:41:44;	Dark	;	64.0;	103;	38Zet Sgr	;	2.60;	9700;occ;	128;	0;	47758
18;	6451.9;	18-APR-2011	19:45:09;	Dark	;	65.5;	38;	20Eps Sgr	;	1.84;	11000;occ;	131;	0;	47758
19;	6577.6;	18-APR-2011	19:47:14;	Dark	;	55.5;	178;	Iot1Sco	;	3.02;	6550;occ;	111;	0;	47758
20;	6673.8;	18-APR-2011	19:48:51;	Dark	;	62.5;	25;	35Lam Sco	;	1.62;	28000;occ;	125;	0;	47758
21;	6899.8;	18-APR-2011	19:52:37;	Dark	;	67.5;	75;	26Eps Sco	;	2.29;	4250;occ;	135;	0;	47758

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 7; 888.7; 19-APR-2011 00:53:21; Dark ; 68.0; 75; 26Eps Sco ; 2.29; 4250;occ; 136; 0;47761  
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 9; 1232.9; 19-APR-2011 00:59:06; Dark ; 65.0; 158; 6Pi Sco ; 2.91; 28000;occ; 130; 0;47761  
 10; 1561.4; 19-APR-2011 01:04:34; Dark ; 58.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 117; 0;47761  
 11; 2265.4; 19-APR-2011 01:16:18; Bright; 45.0; 111; 8Eta Boo ; 2.68; 6000;occ; 90; 0;47761  
 12; 2556.7; 19-APR-2011 01:21:09; Bright; 56.0; 83; ; 2.38; 11000;occ; 112; 0;47761  
 13; 2718.4; 19-APR-2011 01:23:51; Bright; 47.5; 180; 27Gam Boo ; 3.04; 8000;occ; 95; 0;47761  
 14; 2869.0; 19-APR-2011 01:26:22; Bright; 39.0; 55; 79Zet UMA ; 2.06; 10200;occ; 78; 0;47761  
 15; 3243.1; 19-APR-2011 01:32:36; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;47761  
 16; 3848.8; 19-APR-2011 01:42:41; Bright; 40.5; 89; 5Alp Cep ; 2.45; 8000;occ; 81; 0;47761  
 17; 4103.4; 19-APR-2011 01:46:56; Bright; 39.0; 144; 18Del Cyg ; 2.86; 11000;occ; 78; 0;47761  
 18; 4271.1; 19-APR-2011 01:49:44; Bright; 59.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 118; 0;47761  
 19; 4435.6; 19-APR-2011 01:52:28; Dark ; 62.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 125; 0;47761  
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 3; 239.6; 19-APR-2011 02:22:46; Dark ; 65.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 130; 0;47762  
 4; 443.9; 19-APR-2011 02:26:11; Dark ; 64.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 129; 0;47762  
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 4; -1742.9; 19-APR-2011 03:29:58; Bright; 58.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 116; 0;47762  
 5; -1578.3; 19-APR-2011 03:32:42; Dark ; 66.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 132; 0;47762  
 6; -1111.6; 19-APR-2011 03:40:29; Dark ; 55.0; 61; 8Eps Peg ; 2.10; 3900;occ; 110; 0;47762  
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 9; -655.5; 19-APR-2011 03:48:05; Dark ; 45.0; 142; 49Del Cap ; 2.85; 8900;occ; 90; 0;47762  
 10; -38.6; 19-APR-2011 03:58:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;47762  
 11; 241.6; 19-APR-2011 04:03:02; Dark ; 65.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 130; 0;47763  
 12; 445.5; 19-APR-2011 04:06:26; Dark ; 63.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 127; 0;47763  
 13; 569.4; 19-APR-2011 04:08:30; Dark ; 55.0; 178; Iot1Sco ; 3.02; 6550;occ; 110; 0;47763  
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 21; 2717.2; 19-APR-2011 04:44:18; Bright; 71.0; 180; 27Gam Boo ; 3.04; 8000;occ; 142; 0;47763  
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 2; -1911.9; 19-APR-2011 06:47:37; Bright; 30.0; 144; 18Del Cyg ; 2.86; 11000;occ; 60; 0;47764  
 3; -1851.7; 19-APR-2011 06:48:37; Bright; 50.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 101; 0;47764  
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3; 2715.7; 19-APR-2011 08:04:44; Bright; 47.5; 180; 27Gam Boo ; 3.04; 8000;occ; 95; 0;47765
4; 2868.0; 19-APR-2011 08:07:17; Bright; 38.5; 55; 79Zet UMa ; 2.06; 10200;occ; 77; 0;47765
5; 3297.6; 19-APR-2011 08:14:26; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;47765
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3; 2714.1; 19-APR-2011 11:25:11; Bright; 46.5; 180; 27Gam Boo ; 3.04; 8000;occ; 93; 0;47767
4; 2867.4; 19-APR-2011 11:27:44; Bright; 38.0; 55; 79Zet UMa ; 2.06; 10200;occ; 76; 0;47767
5; 3847.5; 19-APR-2011 11:44:04; Bright; 40.5; 89; 5Alp Cep ; 2.45; 8000;occ; 81; 0;47767
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17; 6626.8; 28-APR-2011 17:01:10; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;47900  
18; 6730.3; 28-APR-2011 17:02:54; Dark ; 54.0; 40; The Sco ; 1.86; 7100;occ; 108; 0;47900  
19; 6832.4; 28-APR-2011 17:04:36; Dark ; 62.5; 25; 35Lam Sco ; 1.62; 28000;occ; 125; 0;47900  
20; 7025.5; 28-APR-2011 17:07:49; Dark ; 65.0; 75; 26Eps Sco ; 2.29; 4250;occ; 130; 0;47900  
/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20110429\_082140\_000060623102\_00050\_47909\_4106.N1  
1; 1716.7; 29-APR-2011 08:21:40; Bright; 49.5; 104; 27Bet Lib ; 2.61; 13100;occ; 99; 0;47909  
2; 2222.5; 29-APR-2011 08:30:06; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;47909  
3; 2449.1; 29-APR-2011 08:33:53; Bright; 47.0; 83; ; 2.38; 11000;occ; 94; 0;47909  
4; 2627.9; 29-APR-2011 08:36:51; Bright; 43.0; 180; 27Gam Boo ; 3.04; 8000;occ; 86; 0;47909  
5; 2758.6; 29-APR-2011 08:39:02; Bright; 39.5; 39; 85Eta UMa ; 1.85; 24000;occ; 79; 0;47909  
6; 3201.7; 29-APR-2011 08:46:25; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;47909  
7; 3812.6; 29-APR-2011 08:56:36; Bright; 41.0; 89; 5Alp Cep ; 2.45; 8000;occ; 82; 0;47909  
8; 4121.7; 29-APR-2011 09:01:45; Bright; 60.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 120; 0;47909  
9; 4483.7; 29-APR-2011 09:07:47; Bright; 42.0; 164; 44Eta Peg ; 2.95; 5400;occ; 84; 0;47909  
10; 4746.2; 29-APR-2011 09:12:10; Dark ; 46.0; 90; 54Alp Peg ; 2.49; 11000;occ; 92; 0;47909  
11; 4993.8; 29-APR-2011 09:16:17; Dark ; 62.0; 61; 8Eps Peg ; 2.10; 3900;occ; 124; 0;47909  
12; 5140.4; 29-APR-2011 09:18:44; Dark ; 52.0; 162; 34Alp Aqr ; 2.94; 5350;occ; 104; 0;47909  
13; 5355.8; 29-APR-2011 09:22:19; Dark ; 61.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 123; 0;47909  
14; 5520.9; 29-APR-2011 09:25:04; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;47909  
15; 6633.1; 29-APR-2011 09:43:36; Dark ; 54.5; 141; Bet Ara ; 2.84; 4600;occ; 109; 0;47910  
16; 6739.2; 29-APR-2011 09:45:23; Dark ; 55.5; 40; The Sco ; 1.86; 7100;occ; 111; 0;47910  
17; 6842.0; 29-APR-2011 09:47:05; Dark ; 58.0; 25; 35Lam Sco ; 1.62; 28000;occ; 116; 0;47910  
18; 7032.9; 29-APR-2011 09:50:16; Dark ; 60.5; 75; 26Eps Sco ; 2.29; 4250;occ; 121; 0;47910  
19; 7260.2; 29-APR-2011 09:54:04; Dark ; 72.5; 16; 21Alp Sco ; 1.02; 3000;occ; 145; 0;47910  
20; 7397.8; 29-APR-2011 09:56:21; Dark ; 60.0; 80; 7Del Sco ; 2.32; 30000;occ; 120; 0;47910  
21; 7591.2; 29-APR-2011 09:59:35; Bright; 45.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 91; 0;47910  
22; 7730.5; 29-APR-2011 10:01:54; Bright; 48.5; 104; 27Bet Lib ; 2.61; 13100;occ; 97; 0;47910