

GOMOS Daily Report 09-FEB-2009

Level 0 and Level 1 products

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

Item	Value
Time of report generation	13FEB2009 08:46:08
Data source version	GOMOS/5.00
Start time of products	09FEB2009 06:19:30
Stop time of products	09FEB2009 09:25:51
Store outputs in DB	Yes
Nb of level 1b prods	45
Nb of prods with errors	0

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

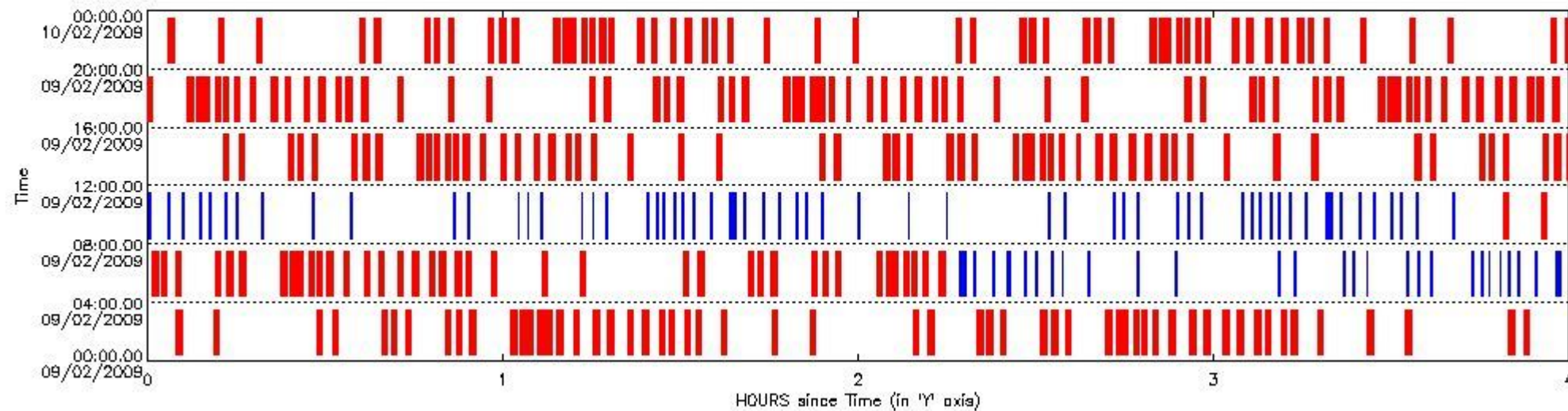
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
09-FEB-2009 00:04:47	10AlpCMi	8	36314
09-FEB-2009 00:11:12	78BetGem	17	36314
09-FEB-2009 00:28:36	1AlpUMi	49	36314
09-FEB-2009 00:31:09	7BetUMi	60	36314
09-FEB-2009 00:39:30	23BetDra	130	36314
09-FEB-2009 00:41:06	18DelCyg	144	36314
09-FEB-2009 00:43:27	3AlpLyr	5	36314
09-FEB-2009 00:50:12	17ZetAql	168	36314
09-FEB-2009 00:52:04	55AlpOph	59	36314
09-FEB-2009 00:54:16	60BetOph	126	36314
09-FEB-2009 01:01:11	35EtaOph	86	36314
09-FEB-2009 01:02:52	19DelSgr	116	36314
09-FEB-2009 01:04:01	20EpsSgr	38	36314
09-FEB-2009 01:05:52	35LamSco	25	36314
09-FEB-2009 01:07:15	TheSco	40	36314

09-FEB-2009 01:09:04	AlpAra	147	36314
09-FEB-2009 01:11:51	GamLup	131	36314
09-FEB-2009 01:15:16	DSA1027	0	36315
09-FEB-2009 01:17:42	BetCen	10	36315
09-FEB-2009 01:20:56	Alp1Cru	12	36315
09-FEB-2009 01:23:24	DelCen	99	36315
09-FEB-2009 01:26:22	lotCar	71	36315
09-FEB-2009 01:28:03	DelVel	46	36315
09-FEB-2009 01:30:41	LamVel	65	36315
09-FEB-2009 01:32:34	ZetPup	70	36315
09-FEB-2009 01:36:52	15RhoPup	132	36315
09-FEB-2009 01:45:23	10AlpCMi	8	36315
09-FEB-2009 01:51:48	78BetGem	17	36315
09-FEB-2009 02:09:12	1AlpUMi	49	36315
09-FEB-2009 02:11:45	7BetUMi	60	36315
09-FEB-2009 02:20:05	23BetDra	130	36315
09-FEB-2009 02:21:42	18DelCyg	144	36315
09-FEB-2009 02:24:03	3AlpLyr	5	36315
09-FEB-2009 02:30:49	17ZetAql	168	36315
09-FEB-2009 02:32:40	55AlpOph	59	36315
09-FEB-2009 02:34:52	60BetOph	126	36315
09-FEB-2009 02:41:47	35EtaOph	86	36315
09-FEB-2009 02:43:28	19DelSgr	116	36315
09-FEB-2009 02:44:37	20EpsSgr	38	36315
09-FEB-2009 02:46:29	35LamSco	25	36315
09-FEB-2009 02:47:51	TheSco	40	36315
09-FEB-2009 02:49:40	AlpAra	147	36315
09-FEB-2009 02:52:27	GamLup	131	36315
09-FEB-2009 02:55:53	DSA1027	0	36316
09-FEB-2009 02:58:18	BetCen	10	36316
09-FEB-2009 03:01:33	Alp1Cru	12	36316
09-FEB-2009 03:04:01	DelCen	99	36316
09-FEB-2009 03:06:58	lotCar	71	36316
09-FEB-2009 03:08:39	DelVel	46	36316
09-FEB-2009 03:11:17	LamVel	65	36316
09-FEB-2009 03:13:10	ZetPup	70	36316
09-FEB-2009 03:17:28	15RhoPup	132	36316
09-FEB-2009 03:25:59	10AlpCMi	8	36316
09-FEB-2009 03:32:24	78BetGem	17	36316
09-FEB-2009 03:49:48	1AlpUMi	49	36316
09-FEB-2009 03:52:21	7BetUMi	60	36316
09-FEB-2009 04:00:41	23BetDra	130	36316
09-FEB-2009 04:02:19	18DelCyg	144	36316
09-FEB-2009 04:04:39	3AlpLyr	5	36316
09-FEB-2009 04:11:25	17ZetAql	168	36316
09-FEB-2009 04:13:16	55AlpOph	59	36316
09-FEB-2009 04:15:28	60BetOph	126	36316
09-FEB-2009 04:22:24	35EtaOph	86	36316
09-FEB-2009 04:24:04	19DelSgr	116	36316
09-FEB-2009 04:25:13	20EpsSgr	38	36316
09-FEB-2009 04:27:05	35LamSco	25	36316
09-FEB-2009 04:28:27	TheSco	40	36316
09-FEB-2009 04:30:17	AlpAra	147	36316
09-FEB-2009 04:33:04	GamLup	131	36316
09-FEB-2009 04:36:29	DSA1027	0	36317
09-FEB-2009 04:38:55	BetCen	10	36317
09-FEB-2009 04:42:09	Alp1Cru	12	36317
09-FEB-2009 04:44:37	DelCen	99	36317
09-FEB-2009 04:47:35	lotCar	71	36317

09-FEB-2009 04:49:15	DelVel	46	36317
09-FEB-2009 04:51:54	LamVel	65	36317
09-FEB-2009 04:53:46	ZetPup	70	36317
09-FEB-2009 04:58:04	15RhoPup	132	36317
09-FEB-2009 05:06:35	10AlpCMi	8	36317
09-FEB-2009 05:13:00	78BetGem	17	36317
09-FEB-2009 05:30:24	1AlpUMi	49	36317
09-FEB-2009 05:32:56	7BetUMi	60	36317
09-FEB-2009 05:41:17	23BetDra	130	36317
09-FEB-2009 05:42:55	18DelCyg	144	36317
09-FEB-2009 05:45:15	3AlpLyr	5	36317
09-FEB-2009 05:52:01	17ZetAql	168	36317
09-FEB-2009 05:53:53	55AlpOph	59	36317
09-FEB-2009 05:56:05	60BetOph	126	36317
09-FEB-2009 06:03:01	35EtaOph	86	36317
09-FEB-2009 06:04:40	19DelSgr	116	36317
09-FEB-2009 06:05:50	20EpsSgr	38	36317
09-FEB-2009 06:07:42	35LamSco	25	36317
09-FEB-2009 06:09:04	TheSco	40	36317
09-FEB-2009 06:10:53	AlpAra	147	36317
09-FEB-2009 06:13:41	GamLup	131	36317
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09-FEB-2009 11:55:23	78BetGem	17	36321
09-FEB-2009 12:12:48	1AlpUMi	49	36321
09-FEB-2009 12:15:19	7BetUMi	60	36321
09-FEB-2009 12:23:40	23BetDra	130	36321
09-FEB-2009 12:25:19	18DelCyg	144	36321
09-FEB-2009 12:27:39	3AlpLyr	5	36321
09-FEB-2009 12:34:25	17ZetAql	168	36321
09-FEB-2009 12:36:18	55AlpOph	59	36321
09-FEB-2009 12:38:30	60BetOph	126	36321
09-FEB-2009 12:45:27	35EtaOph	86	36321
09-FEB-2009 12:47:05	19DelSgr	116	36321
09-FEB-2009 12:48:15	20EpsSgr	38	36321
09-FEB-2009 12:50:07	35LamSco	25	36321
09-FEB-2009 12:51:29	TheSco	40	36321
09-FEB-2009 12:53:18	AlpAra	147	36321
09-FEB-2009 12:56:09	GamLup	131	36321
09-FEB-2009 12:59:33	DSA1027	0	36322
09-FEB-2009 13:01:57	BetCen	10	36322
09-FEB-2009 13:05:11	Alp1Cru	12	36322
09-FEB-2009 13:07:40	DelCen	99	36322
09-FEB-2009 13:10:36	lotCar	71	36322
09-FEB-2009 13:12:16	DelVel	46	36322
09-FEB-2009 13:14:55	LamVel	65	36322
09-FEB-2009 13:21:04	15RhoPup	132	36322
09-FEB-2009 13:29:35	10AlpCMi	8	36322
09-FEB-2009 13:35:59	78BetGem	17	36322
09-FEB-2009 13:53:24	1AlpUMi	49	36322
09-FEB-2009 13:55:55	7BetUMi	60	36322
09-FEB-2009 14:04:16	23BetDra	130	36322
09-FEB-2009 14:05:55	18DelCyg	144	36322
09-FEB-2009 14:08:15	3AlpLyr	5	36322
09-FEB-2009 14:15:01	17ZetAql	168	36322
09-FEB-2009 14:16:54	55AlpOph	59	36322
09-FEB-2009 14:19:06	60BetOph	126	36322
09-FEB-2009 14:26:04	35EtaOph	86	36322
09-FEB-2009 14:27:41	19DelSgr	116	36322
09-FEB-2009 14:28:51	20EpsSgr	38	36322

09-FEB-2009 14:30:44	35LamSco	25	36322
09-FEB-2009 14:32:05	TheSco	40	36322
09-FEB-2009 14:33:54	AlpAra	147	36322
09-FEB-2009 14:36:46	GamLup	131	36322
09-FEB-2009 14:40:09	DSA1027	0	36323
09-FEB-2009 14:42:34	BetCen	10	36323
09-FEB-2009 14:45:48	Alp1Cru	12	36323
09-FEB-2009 14:48:17	DelCen	99	36323
09-FEB-2009 14:51:12	lotCar	71	36323
09-FEB-2009 14:52:52	DelVel	46	36323
09-FEB-2009 14:55:31	LamVel	65	36323
09-FEB-2009 15:01:41	15RhoPup	132	36323
09-FEB-2009 15:10:11	10AlpCMi	8	36323
09-FEB-2009 15:16:35	78BetGem	17	36323
09-FEB-2009 15:34:00	1AlpUMi	49	36323
09-FEB-2009 15:36:30	7BetUMi	60	36323
09-FEB-2009 15:44:52	23BetDra	130	36323
09-FEB-2009 15:46:31	18DelCyg	144	36323
09-FEB-2009 15:48:51	3AlpLyr	5	36323
09-FEB-2009 15:55:38	17ZetAql	168	36323
09-FEB-2009 15:57:30	55AlpOph	59	36323
09-FEB-2009 15:59:43	60BetOph	126	36323
09-FEB-2009 16:06:40	35EtaOph	86	36323
09-FEB-2009 16:08:18	19DelSgr	116	36323
09-FEB-2009 16:09:27	20EpsSgr	38	36323
09-FEB-2009 16:11:20	35LamSco	25	36323
09-FEB-2009 16:12:42	TheSco	40	36323
09-FEB-2009 16:14:31	AlpAra	147	36323
09-FEB-2009 16:17:22	GamLup	131	36323
09-FEB-2009 16:20:46	DSA1027	0	36324
09-FEB-2009 16:23:11	BetCen	10	36324
09-FEB-2009 16:26:24	Alp1Cru	12	36324
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09-FEB-2009 16:33:28	DelVel	46	36324
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09-FEB-2009 16:42:17	15RhoPup	132	36324
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09-FEB-2009 16:57:11	78BetGem	17	36324
09-FEB-2009 17:14:36	1AlpUMi	49	36324
09-FEB-2009 17:17:06	7BetUMi	60	36324
09-FEB-2009 17:25:28	23BetDra	130	36324
09-FEB-2009 17:27:07	18DelCyg	144	36324
09-FEB-2009 17:29:27	3AlpLyr	5	36324
09-FEB-2009 17:36:14	17ZetAql	168	36324
09-FEB-2009 17:38:07	55AlpOph	59	36324
09-FEB-2009 17:40:19	60BetOph	126	36324
09-FEB-2009 17:47:17	35EtaOph	86	36324
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09-FEB-2009 17:51:56	35LamSco	25	36324
09-FEB-2009 17:53:18	TheSco	40	36324
09-FEB-2009 17:55:07	AlpAra	147	36324
09-FEB-2009 17:57:59	GamLup	131	36324
09-FEB-2009 18:01:23	DSA1027	0	36325
09-FEB-2009 18:03:47	BetCen	10	36325
09-FEB-2009 18:07:00	Alp1Cru	12	36325
09-FEB-2009 18:09:30	DelCen	99	36325
09-FEB-2009 18:12:24	lotCar	71	36325

09-FEB-2009 18:14:05	DelVel	46	36325
09-FEB-2009 18:16:43	LamVel	65	36325
09-FEB-2009 18:22:53	15RhoPup	132	36325
09-FEB-2009 18:31:23	10AlpCMi	8	36325
09-FEB-2009 18:37:47	78BetGem	17	36325
09-FEB-2009 18:55:12	1AlpUMi	49	36325
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09-FEB-2009 19:06:04	23BetDra	130	36325
09-FEB-2009 19:07:43	18DelCyg	144	36325
09-FEB-2009 19:10:03	3AlpLyr	5	36325
09-FEB-2009 19:16:50	17ZetAql	168	36325
09-FEB-2009 19:18:43	55AlpOph	59	36325
09-FEB-2009 19:20:56	60BetOph	126	36325
09-FEB-2009 19:27:54	35EtaOph	86	36325
09-FEB-2009 19:29:30	19DelSgr	116	36325
09-FEB-2009 19:30:39	20EpsSgr	38	36325
09-FEB-2009 19:32:33	35LamSco	25	36325
09-FEB-2009 19:33:54	TheSco	40	36325
09-FEB-2009 19:35:43	AlpAra	147	36325
09-FEB-2009 19:38:36	GamLup	131	36325
09-FEB-2009 19:41:59	DSA1027	0	36326
09-FEB-2009 19:44:24	BetCen	10	36326
09-FEB-2009 19:47:37	Alp1Cru	12	36326
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09-FEB-2009 19:53:00	lotCar	71	36326
09-FEB-2009 19:54:41	DelVel	46	36326
09-FEB-2009 19:57:20	LamVel	65	36326
09-FEB-2009 20:03:29	15RhoPup	132	36326
09-FEB-2009 20:11:59	10AlpCMi	8	36326
09-FEB-2009 20:18:23	78BetGem	17	36326
09-FEB-2009 20:35:48	1AlpUMi	49	36326
09-FEB-2009 20:38:17	7BetUMi	60	36326
09-FEB-2009 20:46:40	23BetDra	130	36326
09-FEB-2009 20:48:19	18DelCyg	144	36326
09-FEB-2009 20:50:39	3AlpLyr	5	36326
09-FEB-2009 20:57:26	17ZetAql	168	36326
09-FEB-2009 20:59:19	55AlpOph	59	36326
09-FEB-2009 21:01:32	60BetOph	126	36326
09-FEB-2009 21:08:30	35EtaOph	86	36326
09-FEB-2009 21:10:06	19DelSgr	116	36326
09-FEB-2009 21:11:16	20EpsSgr	38	36326
09-FEB-2009 21:13:09	35LamSco	25	36326
09-FEB-2009 21:14:31	TheSco	40	36326
09-FEB-2009 21:16:20	AlpAra	147	36326
09-FEB-2009 21:17:50	BetAra	141	36326
09-FEB-2009 21:22:36	DSA1027	0	36327
09-FEB-2009 21:25:00	BetCen	10	36327
09-FEB-2009 21:28:13	Alp1Cru	12	36327
09-FEB-2009 21:30:44	DelCen	99	36327
09-FEB-2009 21:33:37	lotCar	71	36327
09-FEB-2009 21:35:17	DelVel	46	36327
09-FEB-2009 21:37:56	LamVel	65	36327
09-FEB-2009 21:44:05	15RhoPup	132	36327
09-FEB-2009 21:52:35	10AlpCMi	8	36327
09-FEB-2009 21:58:59	78BetGem	17	36327
09-FEB-2009 22:16:24	1AlpUMi	49	36327
09-FEB-2009 22:18:53	7BetUMi	60	36327
09-FEB-2009 22:27:16	23BetDra	130	36327
09-FEB-2009 22:28:56	18DelCyg	144	36327

09-FEB-2009 22:31:15	3AlpLyr	5	36327
09-FEB-2009 22:38:02	17ZetAql	168	36327
09-FEB-2009 22:39:56	55AlpOph	59	36327
09-FEB-2009 22:42:08	60BetOph	126	36327
09-FEB-2009 22:49:07	35EtaOph	86	36327
09-FEB-2009 22:50:43	19DelSgr	116	36327
09-FEB-2009 22:51:52	20EpsSgr	38	36327
09-FEB-2009 22:53:46	35LamSco	25	36327
09-FEB-2009 22:55:07	TheSco	40	36327
09-FEB-2009 22:56:56	AlpAra	147	36327
09-FEB-2009 22:58:26	BetAra	141	36327
09-FEB-2009 23:03:13	DSA1027	0	36328
09-FEB-2009 23:05:37	BetCen	10	36328
09-FEB-2009 23:08:50	Alp1Cru	12	36328
09-FEB-2009 23:11:20	DelCen	99	36328
09-FEB-2009 23:14:13	lotCar	71	36328
09-FEB-2009 23:15:53	DelVel	46	36328
09-FEB-2009 23:18:32	LamVel	65	36328
09-FEB-2009 23:24:41	15RhoPup	132	36328
09-FEB-2009 23:33:11	10AlpCMi	8	36328
09-FEB-2009 23:39:35	78BetGem	17	36328
09-FEB-2009 23:57:00	1AlpUMi	49	36328
09-FEB-2009 23:59:28	7BetUMi	60	36328

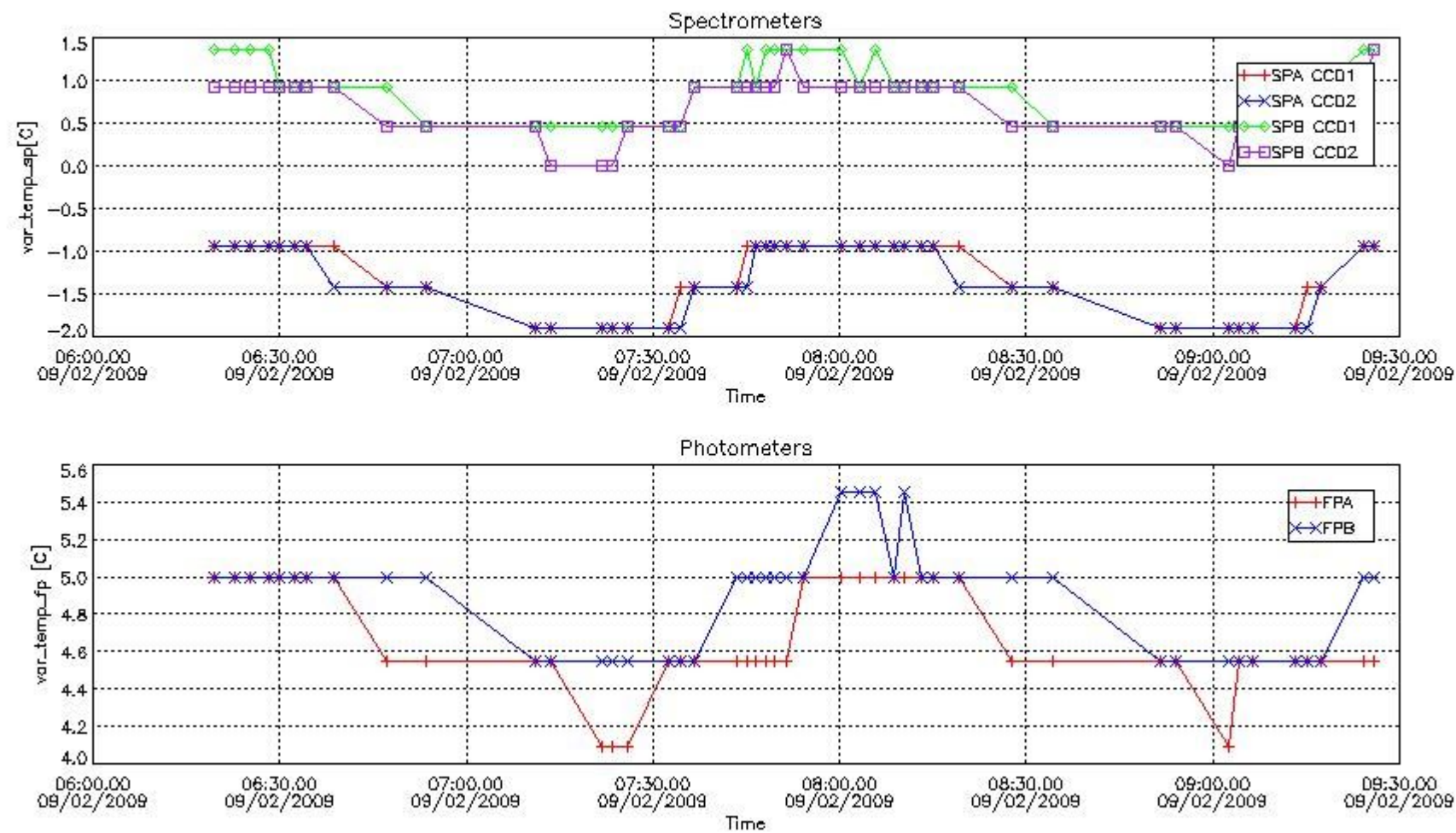
2.4 Summary of processed GOM_TRA_1P products

!Warning: No products without errors in BRIGHT limb contitions found

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20090209_061930_000000182076_00192_36318_0374.N1	09-FEB-2009 06:19:30	Dark	17.500	10	Bet Cen	0.61000	28000.	35	36318	No
2	GOM_TRA_1PNPDE20090209_062244_000000172076_00192_36318_0375.N1	09-FEB-2009 06:22:44	Dark	17.000	12	Alp1Cru	0.77500	30000.	34	36318	No
3	GOM_TRA_1PNPDE20090209_062513_000000192076_00192_36318_0376.N1	09-FEB-2009 06:25:13	Dark	18.500	99	Del Cen	2.5750	26000.	37	36318	No
4	GOM_TRA_1PNPDE20090209_062809_000000162076_00192_36318_0377.N1	09-FEB-2009 06:28:09	Dark	15.500	71	lot Car	2.2460	7700.0	31	36318	No
5	GOM_TRA_1PNPDE20090209_062950_000000152076_00192_36318_0378.N1	09-FEB-2009 06:29:50	Dark	15.000	46	Del Vel	1.9540	10600.	30	36318	No
6	GOM_TRA_1PNPDE20090209_063229_000000152076_00192_36318_0379.N1	09-FEB-2009 06:32:29	Straylight	15.000	65	Lam Vel	2.2040	4400.0	30	36318	No
7	GOM_TRA_1PNPDE20090209_063421_000000142076_00192_36318_0380.N1	09-FEB-2009 06:34:21	Straylight	14.000	70	Zet Pup	2.2460	39000.	28	36318	No
8	GOM_TRA_1PNPDE20090209_063839_000000152076_00192_36318_0381.N1	09-FEB-2009 06:38:39	Straylight	14.500	132	15Rho Pup	2.8030	6900.0	29	36318	No
9	GOM_TRA_1PNPDE20090209_064710_000000162076_00192_36318_0382.N1	09-FEB-2009 06:47:10	Twi_and_stray	15.500	8	10Alp CMi	0.40000	6500.0	31	36318	No
10	GOM_TRA_1PNPDE20090209_065334_000000162076_00192_36318_0383.N1	09-FEB-2009 06:53:34	Twi_and_stray	16.000	17	78Bet Gem	1.1610	4500.0	32	36318	No
11	GOM_TRA_1PNPDE20090209_071059_000000142076_00192_36318_0384.N1	09-FEB-2009 07:10:59	Twi_and_stray	13.500	49	1Alp UMi	1.9900	6300.0	27	36318	No
12	GOM_TRA_1PNPDE20090209_071331_000000142076_00192_36318_0385.N1	09-FEB-2009 07:13:31	Twi_and_stray	13.500	60	7Bet UMi	2.0810	3950.0	27	36318	No
13	GOM_TRA_1PNPDK20090209_072152_000000112076_00192_36318_7246.N1	09-FEB-2009 07:21:52	Twi_and_stray	11.000	130	23Bet Dra	2.7990	5800.0	22	36318	No
14	GOM_TRA_1PNPDK20090209_072329_000000102076_00192_36318_7247.N1	09-FEB-2009 07:23:29	Straylight	10.000	144	18Del Cyg	2.8600	11000.	20	36318	No
15	GOM_TRA_1PNPDK20090209_072550_000000102076_00192_36318_7248.N1	09-FEB-2009 07:25:50	Straylight	10.000	5	3Alp Lyr	0.033000	11000.	20	36318	No
16	GOM_TRA_1PNPDK20090209_073236_000000102076_00192_36318_7249.N1	09-FEB-2009 07:32:36	Twi_and_stray	10.000	168	17Zet Aql	2.9860	11000.	20	36318	No
17	GOM_TRA_1PNPDK20090209_073428_000000122076_00192_36318_7250.N1	09-FEB-2009 07:34:28	Twi_and_stray	11.500	59	55Alp Oph	2.0800	8900.0	23	36318	No
18	GOM_TRA_1PNPDK20090209_073640_000000122076_00192_36318_7251.N1	09-FEB-2009 07:36:40	Twi_and_stray	12.000	126	60Bet Oph	2.7700	4250.0	24	36318	No
19	GOM_TRA_1PNPDK20090209_074336_000000162076_00192_36318_7252.N1	09-FEB-2009 07:43:36	Dark	16.000	86	35Eta Oph	2.4300	10200.	32	36318	No
20	GOM_TRA_1PNPDK20090209_074515_000000142076_00192_36318_7253.N1	09-FEB-2009 07:45:15	Twilight	14.000	116	19Del Sgr	2.7000	4100.0	28	36318	No
21	GOM_TRA_1PNPDK20090209_074625_000000142076_00192_36318_7254.N1	09-FEB-2009 07:46:25	Dark	14.000	38	20Eps Sgr	1.8360	11000.	28	36318	No
22	GOM_TRA_1PNPDK20090209_074817_000000152076_00192_36318_7255.N1	09-FEB-2009 07:48:17	Dark	15.000	25	35Lam Sco	1.6200	28000.	30	36318	No
23	GOM_TRA_1PNPDK20090209_074939_000000152076_00192_36318_7256.N1	09-FEB-2009 07:49:39	Dark	15.000	40	The Sco	1.8590	7100.0	30	36318	No
24	GOM_TRA_1PNPDK20090209_075128_000000152076_00192_36318_7257.N1	09-FEB-2009 07:51:28	Dark	15.000	147	Alp Ara	2.8770	26000.	30	36318	No
25	GOM_TRA_1PNPDK20090209_075417_000000202076_00192_36318_7258.N1	09-FEB-2009 07:54:17	Dark	19.500	131	Gam Lup	2.8000	26000.	39	36318	No
26	GOM_TRA_1PNPDK20090209_080007_000000182076_00193_36319_7259.N1	09-FEB-2009 08:00:07	Dark	17.500	10	Bet Cen	0.61000	28000.	35	36319	No
27	GOM_TRA_1PNPDK20090209_080321_000000172076_00193_36319_7260.N1	09-FEB-2009 08:03:21	Dark	16.500	12	Alp1Cru	0.77500	30000.	33	36319	No
28	GOM_TRA_1PNPDK20090209_080549_000000192076_00193_36319_7261.N1	09-FEB-2009 08:05:49	Dark	18.500	99	Del Cen	2.5750	26000.	37	36319	No
29	GOM_TRA_1PNPDK20090209_080846_000000152076_00193_36319_7262.N1	09-FEB-2009 08:08:46	Dark	15.000	71	lot Car	2.2460	7700.0	30	36319	No
30	GOM_TRA_1PNPDK20090209_081026_000000152076_00193_36319_7263.N1	09-FEB-2009 08:10:26	Dark	15.000	46	Del Vel	1.9540	10600.	30	36319	No
31	GOM_TRA_1PNPDK20090209_081305_000000162076_00193_36319_7264.N1	09-FEB-2009 08:13:05	Straylight	15.500	65	Lam Vel	2.2040	4400.0	31	36319	No

32	GOM_TRA_1PNPDK20090209_081501_000000112076_00193_36319_7265.N1	09-FEB-2009 08:15:01	Straylight	10.500	70	Zet Pup	2.2460	39000.	21	36319	No
33	GOM_TRA_1PNPDK20090209_081915_000000142076_00193_36319_7266.N1	09-FEB-2009 08:19:15	Straylight	13.500	132	15Rho Pup	2.8030	6900.0	27	36319	No
34	GOM_TRA_1PNPDK20090209_082746_000000152076_00193_36319_7351.N1	09-FEB-2009 08:27:46	Twilight	15.000	8	10Alp CMi	0.40000	6500.0	30	36319	No
35	GOM_TRA_1PNPDK20090209_083410_000000162076_00193_36319_7352.N1	09-FEB-2009 08:34:10	Twilight	15.500	17	78Bet Gem	1.1610	4500.0	31	36319	No
36	GOM_TRA_1PNPDK20090209_085135_000000142076_00193_36319_7353.N1	09-FEB-2009 08:51:35	Twilight	13.500	49	1Alp UMi	1.9900	6300.0	27	36319	No
37	GOM_TRA_1PNPDK20090209_085407_000000142076_00193_36319_7354.N1	09-FEB-2009 08:54:07	Twilight	13.500	60	7Bet UMi	2.0810	3950.0	27	36319	No
38	GOM_TRA_1PNPDK20090209_090228_000000112076_00193_36319_7355.N1	09-FEB-2009 09:02:28	Twilight	11.000	130	23Bet Dra	2.7990	5800.0	22	36319	No
39	GOM_TRA_1PNPDK20090209_090405_000000102076_00193_36319_7356.N1	09-FEB-2009 09:04:05	Straylight	10.000	144	18Del Cyg	2.8600	11000.	20	36319	No
40	GOM_TRA_1PNPDK20090209_090626_000000102076_00193_36319_7357.N1	09-FEB-2009 09:06:26	Straylight	9.5000	5	3Alp Lyr	0.033000	11000.	19	36319	No
41	GOM_TRA_1PNPDK20090209_091312_000000102076_00193_36319_7358.N1	09-FEB-2009 09:13:12	Twilight	10.000	168	17Zet Aql	2.9860	11000.	20	36319	No
42	GOM_TRA_1PNPDK20090209_091504_000000122076_00193_36319_7359.N1	09-FEB-2009 09:15:04	Twilight	12.000	59	55Alp Oph	2.0800	8900.0	24	36319	No
43	GOM_TRA_1PNPDK20090209_091716_000000122076_00193_36319_7360.N1	09-FEB-2009 09:17:16	Twilight	12.000	126	60Bet Oph	2.7700	4250.0	24	36319	No
44	GOM_TRA_1PNPDK20090209_092413_000000162076_00193_36319_7361.N1	09-FEB-2009 09:24:13	Dark	15.500	86	35Eta Oph	2.4300	10200.	31	36319	No
45	GOM_TRA_1PNPDK20090209_092551_000000142076_00193_36319_7362.N1	09-FEB-2009 09:25:51	Twilight	13.500	116	19Del Sgr	2.7000	4100.0	27	36319	No

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



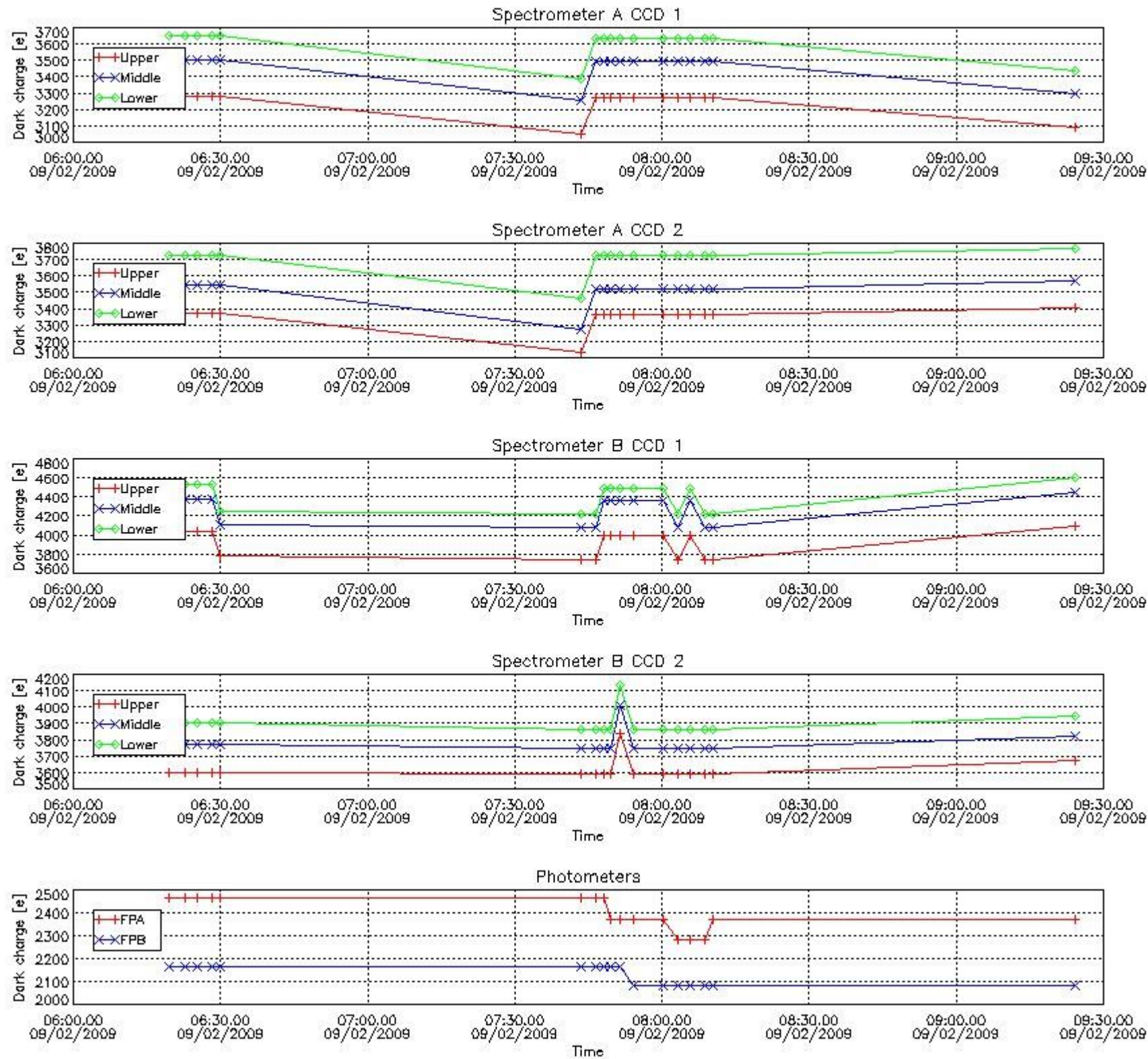
4. Overview of dark signal processing per product

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 All products used the DSA observation for the DC computation

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



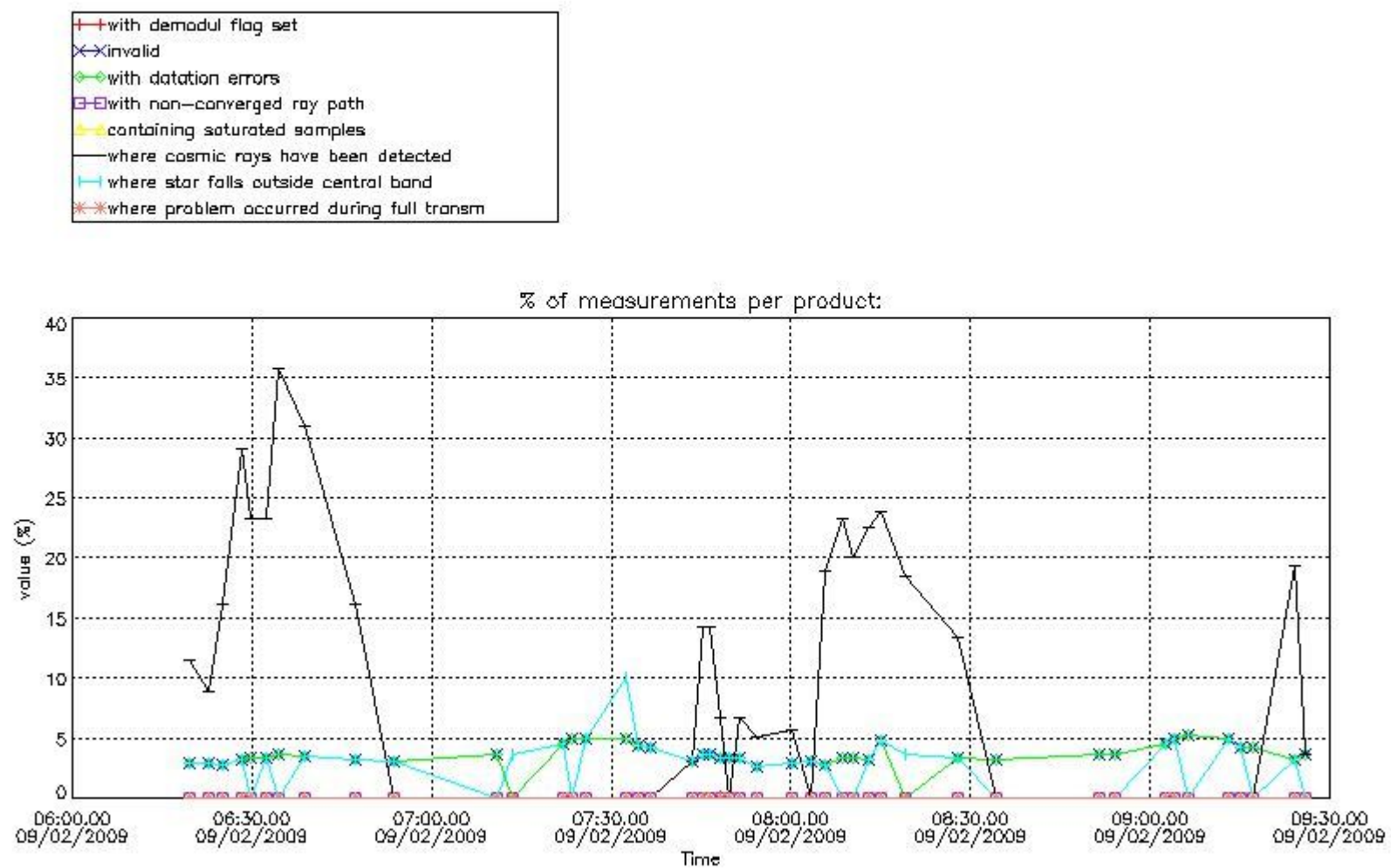
5. Demodulation flag and quality information monitoring

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.

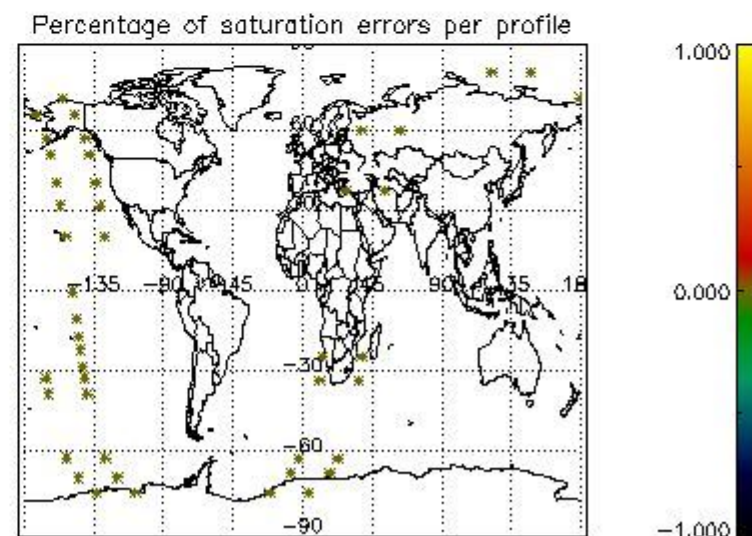
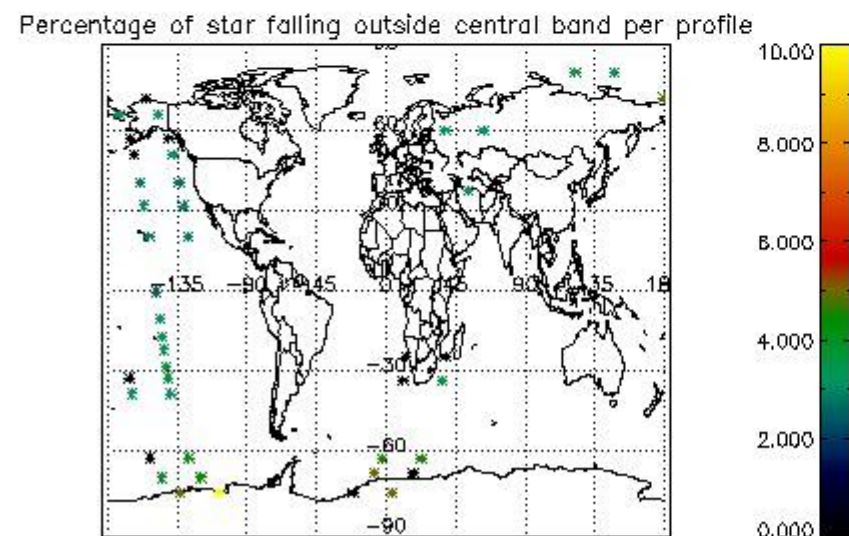
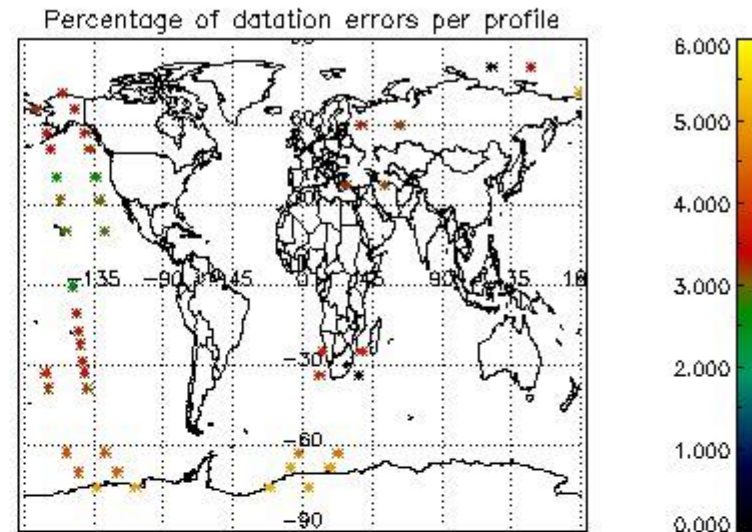
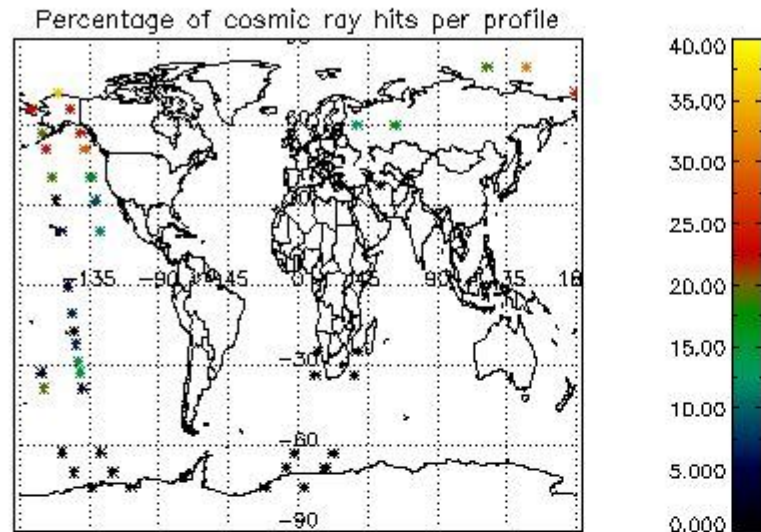
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	31.1111 %
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)



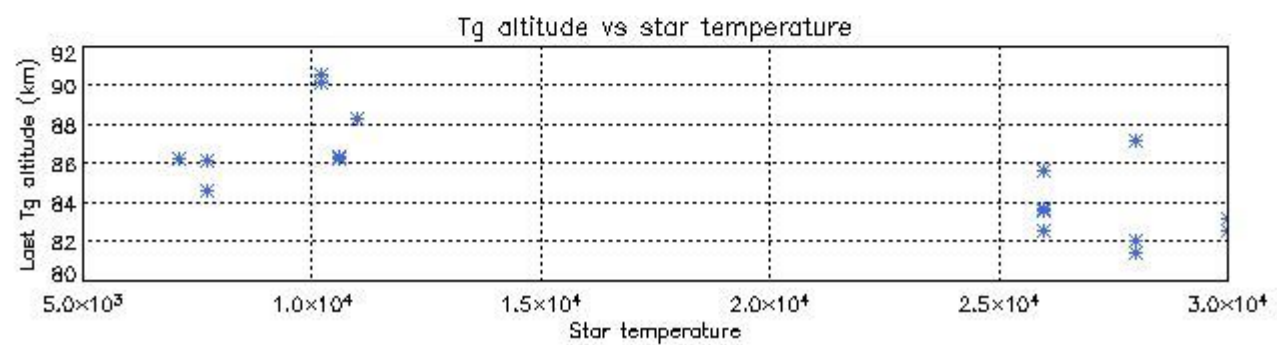
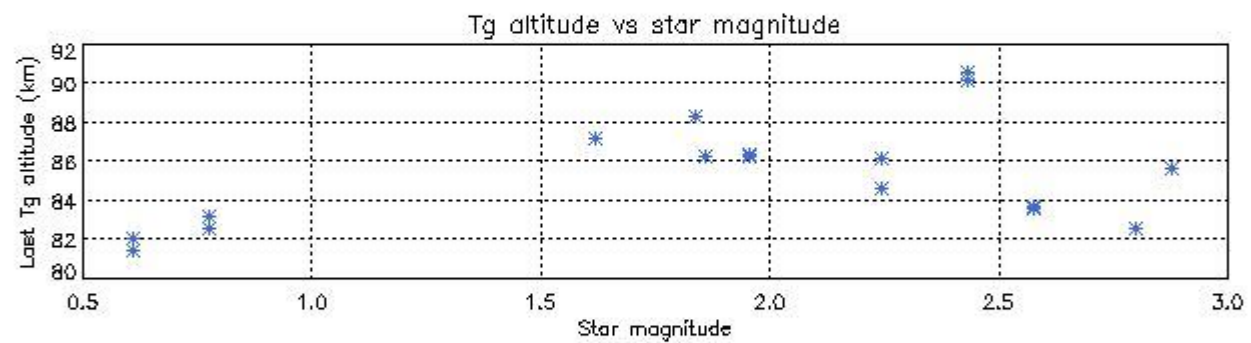
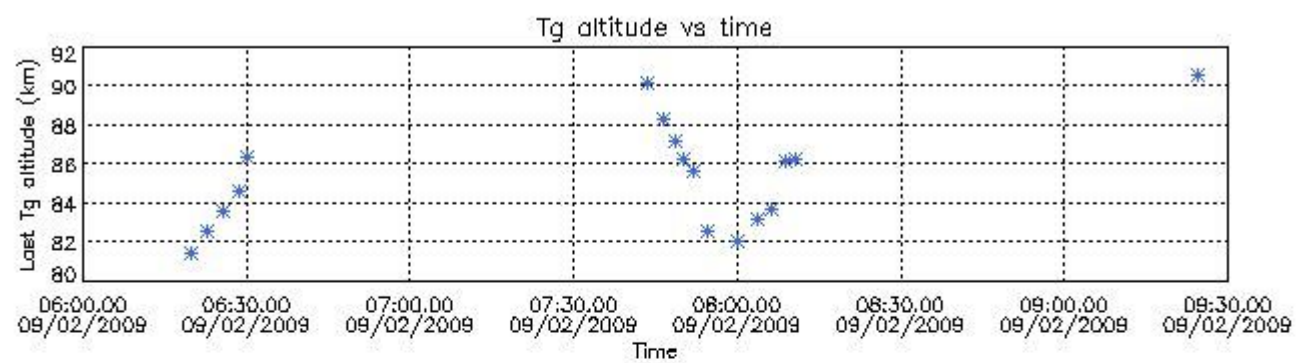
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	85.339	NaN	89.748
St. deviation:	2.7263	NaN	0.61818
Maximum:	90.596	NaN	90.185
Minimum:	81.415	NaN	89.311
Number of data:	17.000	NaN	2.0000

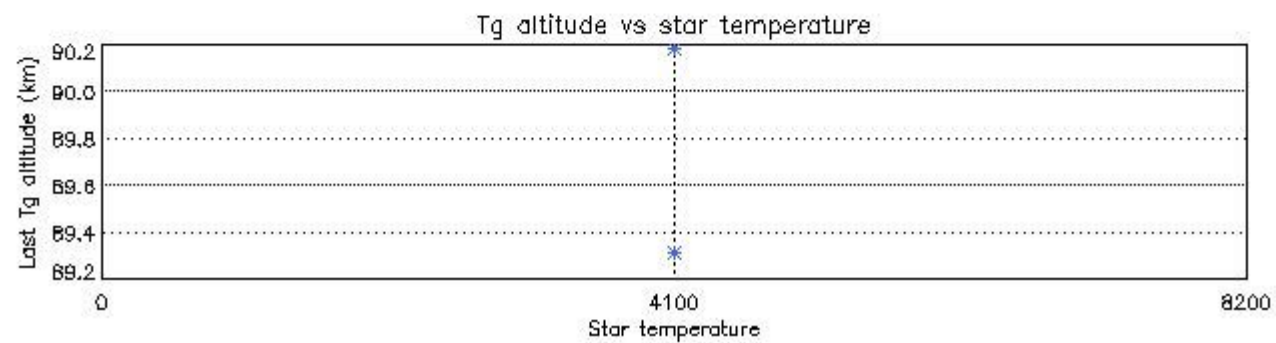
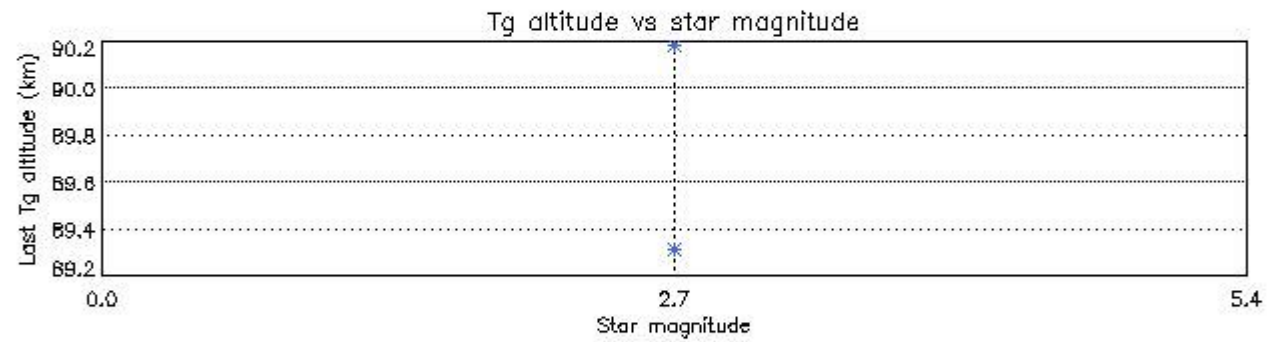
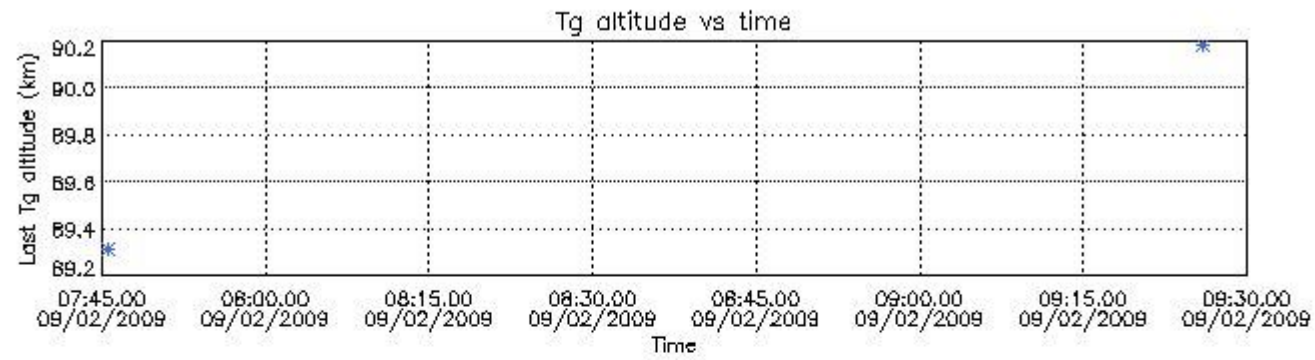
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

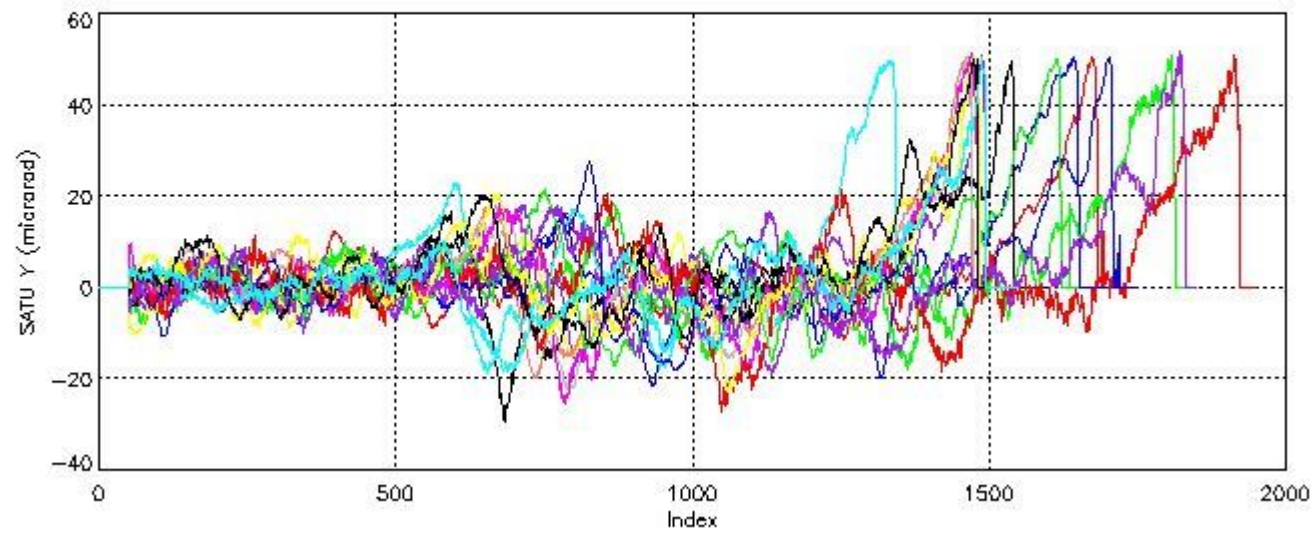
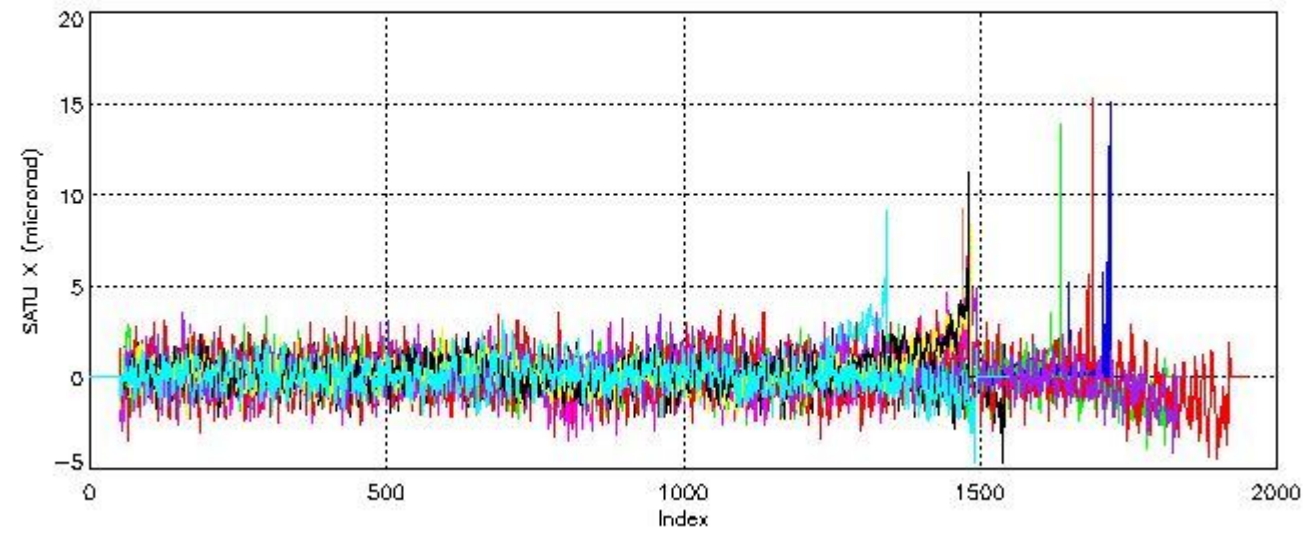


7. Star Acquisition and Tracking Unit (SATU)

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:	0.15179	0.63770	NaN	NaN
St. deviation:	0.63852	6.5957	NaN	NaN
Maximum:	3.7000	27.600	NaN	NaN
Minimum:	-3.5000	-29.500	NaN	NaN

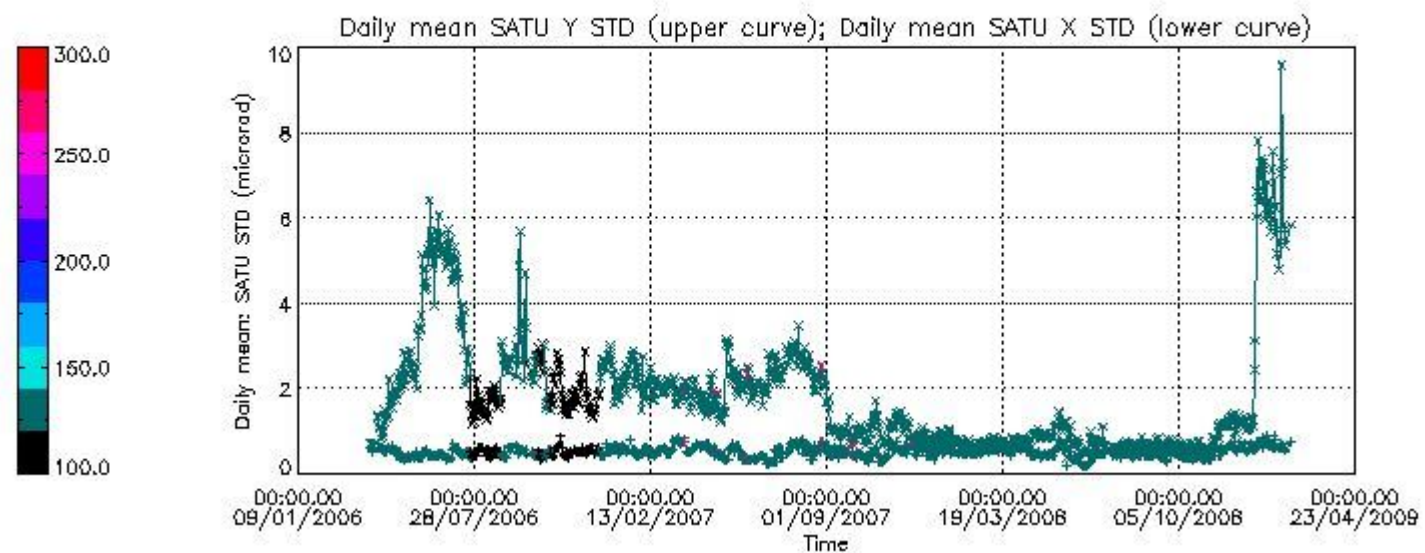
Number of data:	16100.	16100.	NaN	NaN
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7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

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

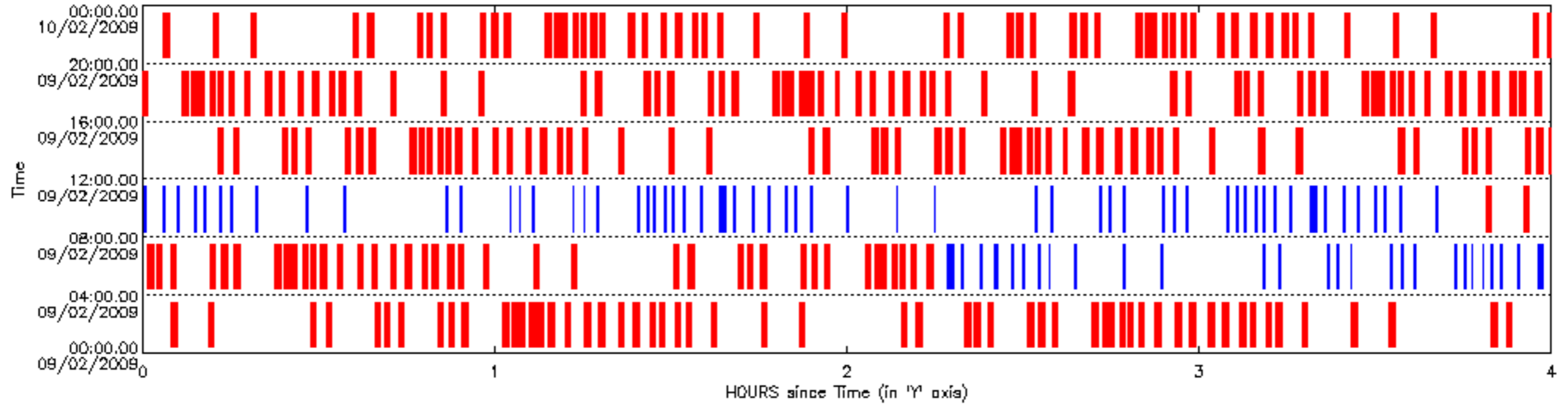
Upper curve: STD of SATU Y axis
Lower curve: STD of SATU X axis

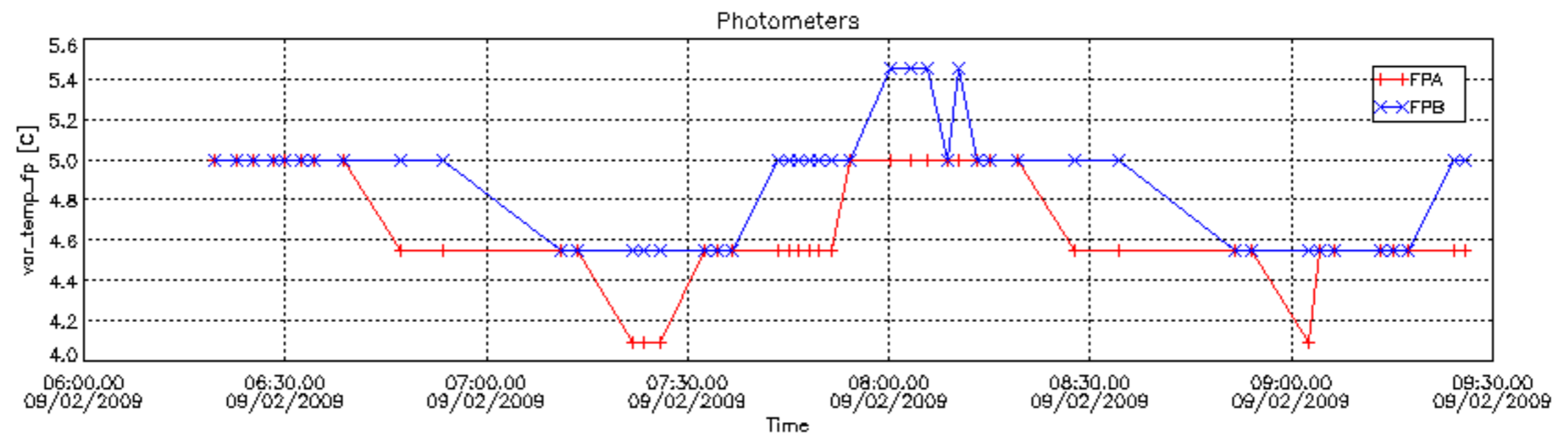
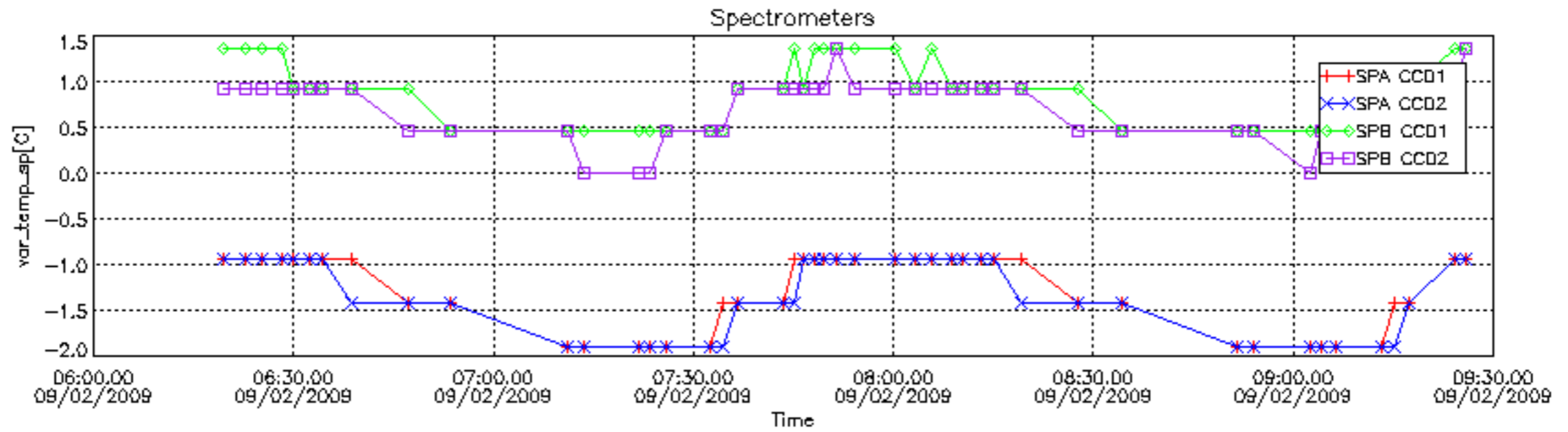


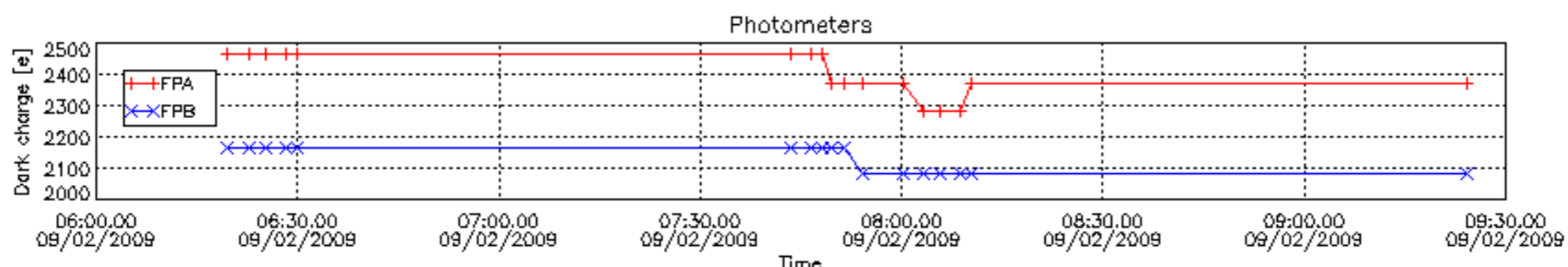
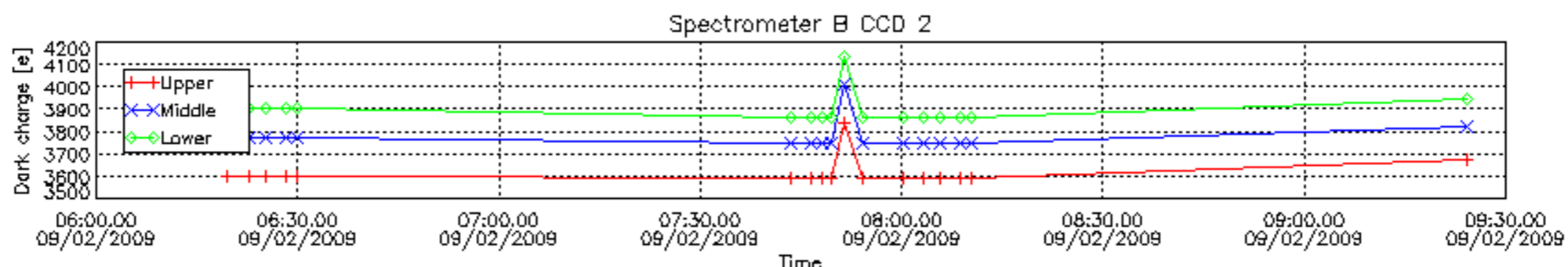
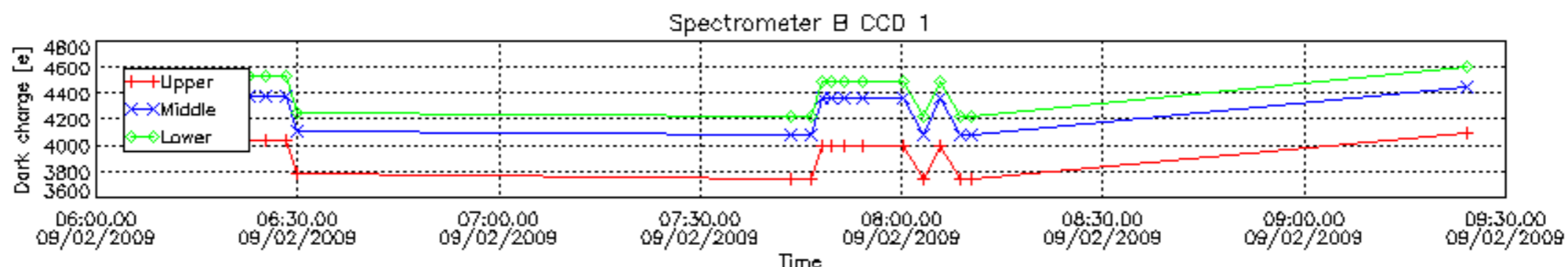
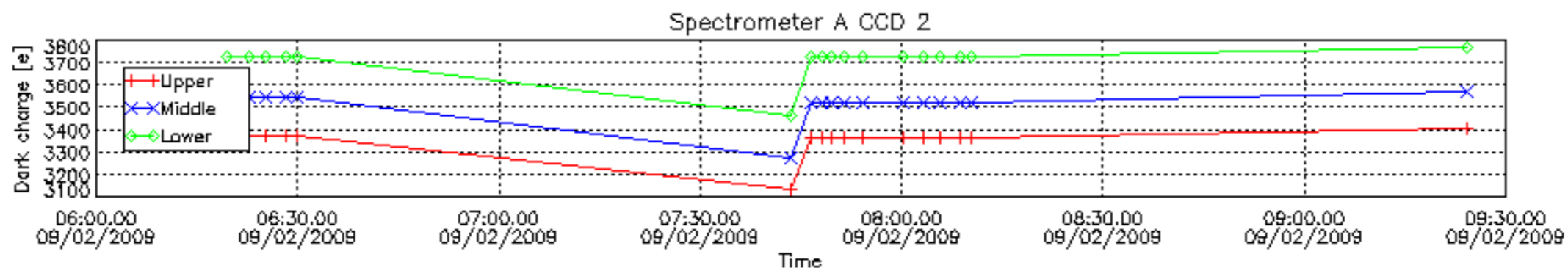
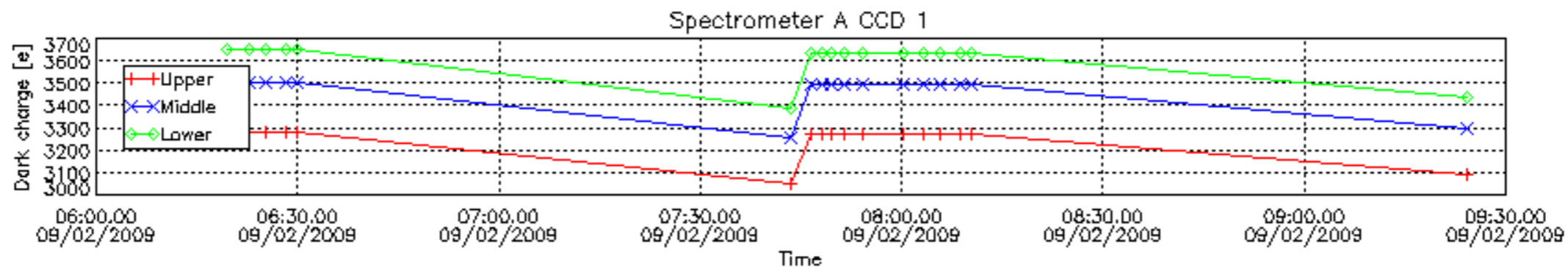
8. Auxiliary Data Files used for the production reported in section 2.4

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

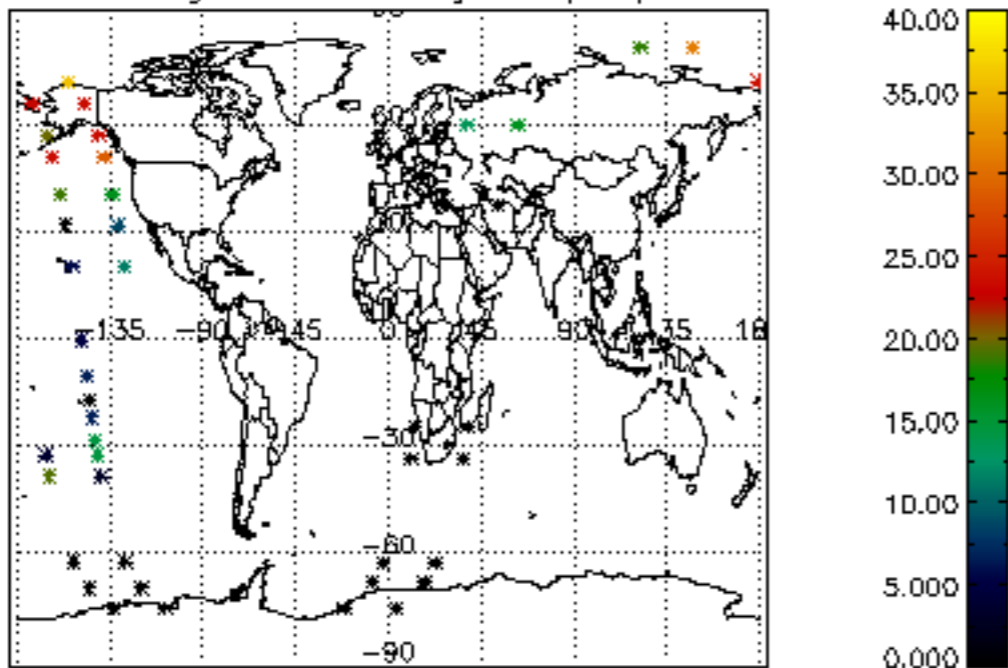
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	09-FEB-2009 06:19:30
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20090123_085712_20090120_000000_20100101_000000	1	09-FEB-2009 06:19:30
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	09-FEB-2009 06:19:30
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	09-FEB-2009 06:19:30
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	09-FEB-2009 06:19:30
ECMWF_FILE	AUX_ECF_AXNECM20090208_184110_20090209_030000_20090209_150000	1	09-FEB-2009 06:19:30
OPTIONAL_ECMWF_FILE	MISSING	1	09-FEB-2009 06:19:30
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20090209_034834_000057382076_00190_36316_7326.N1	1	09-FEB-2009 06:19:30
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20090209_071028_000038262076_00192_36318_9212.N1	34	09-FEB-2009 08:27:46



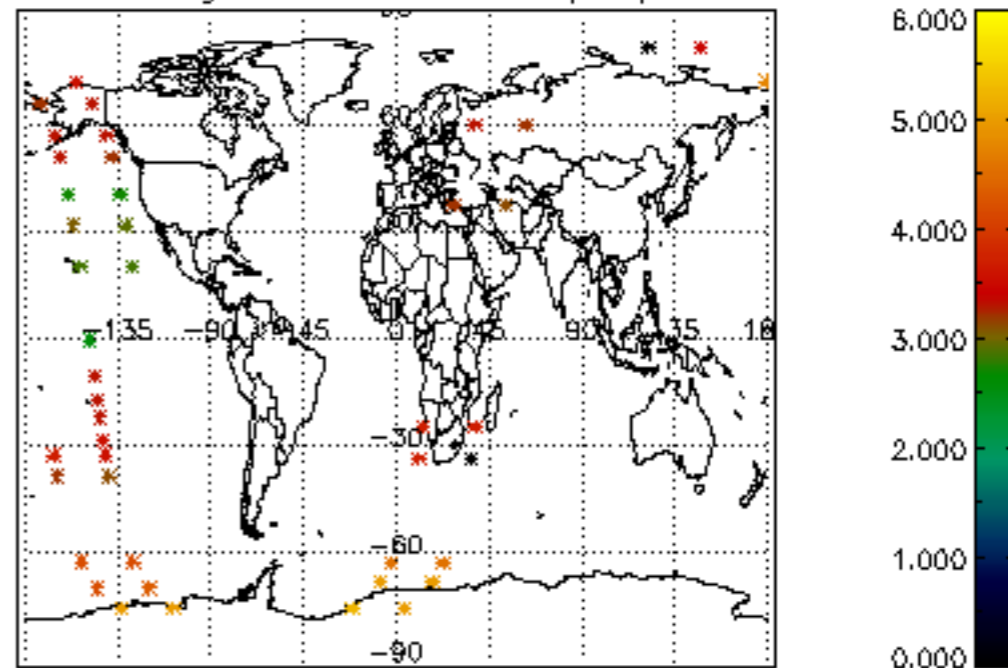




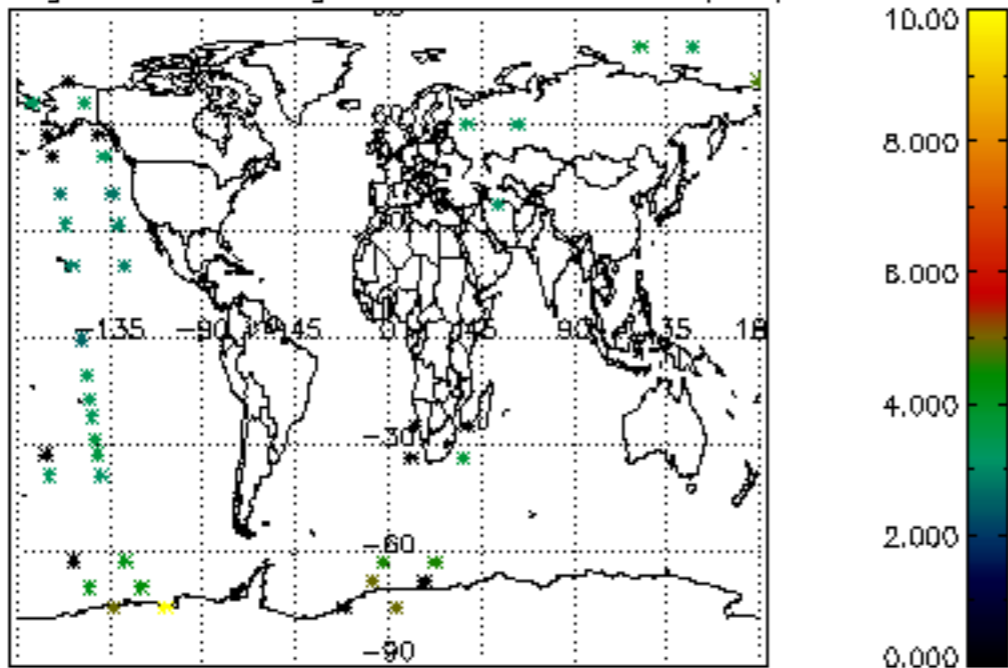
Percentage of cosmic ray hits per profile



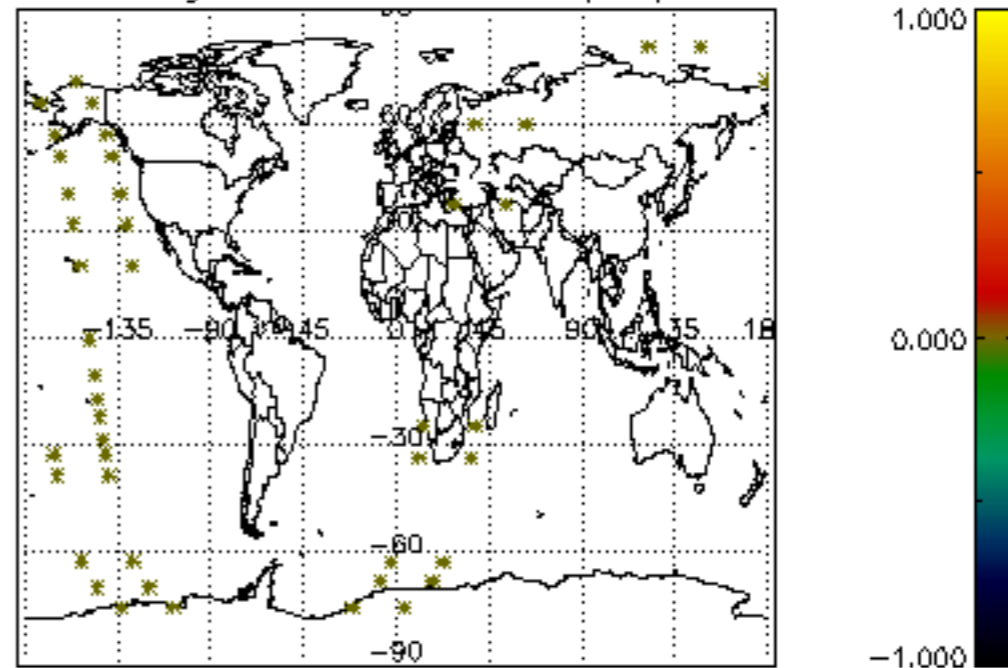
Percentage of datation errors per profile



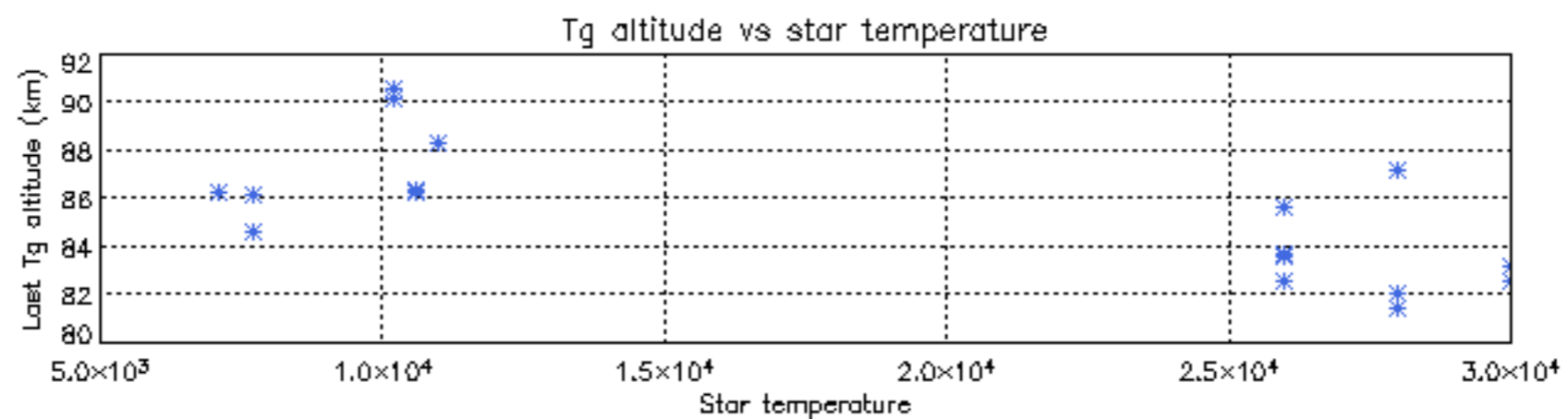
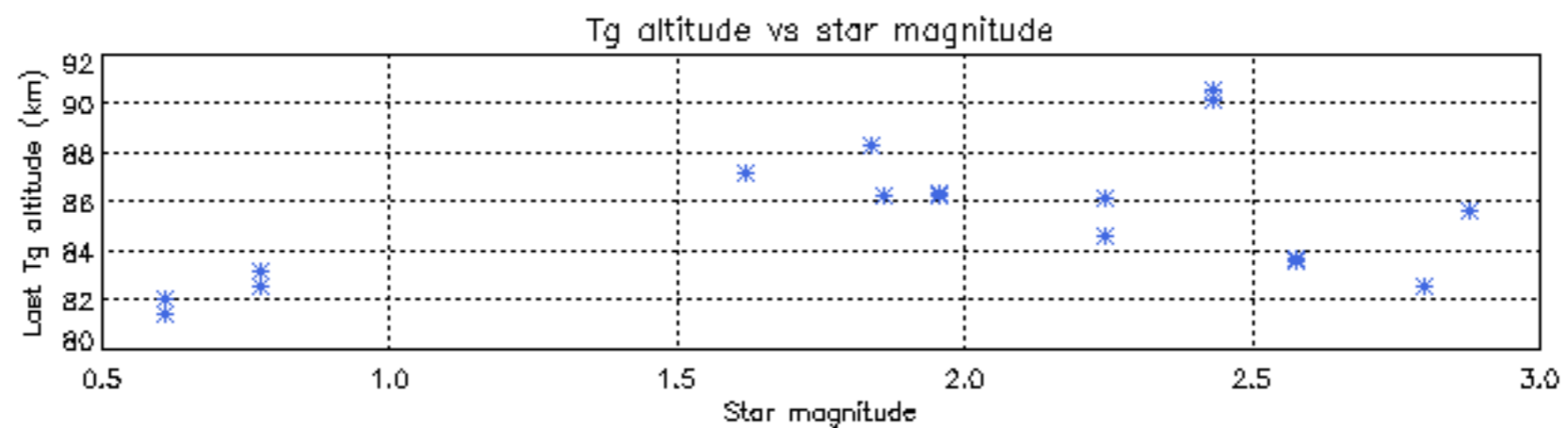
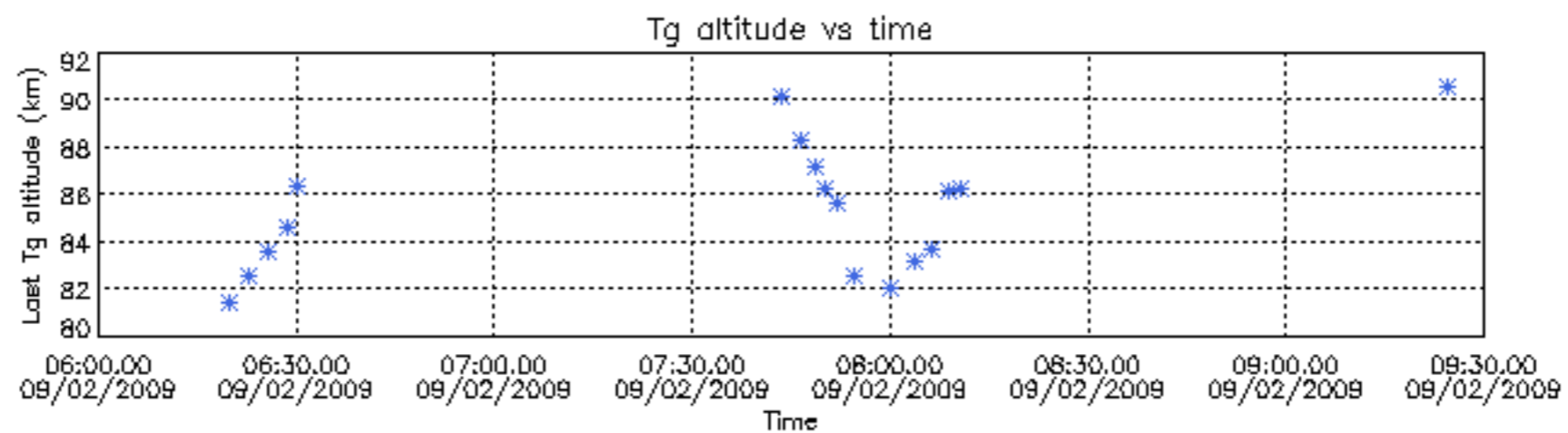
Percentage of star falling outside central band per profile



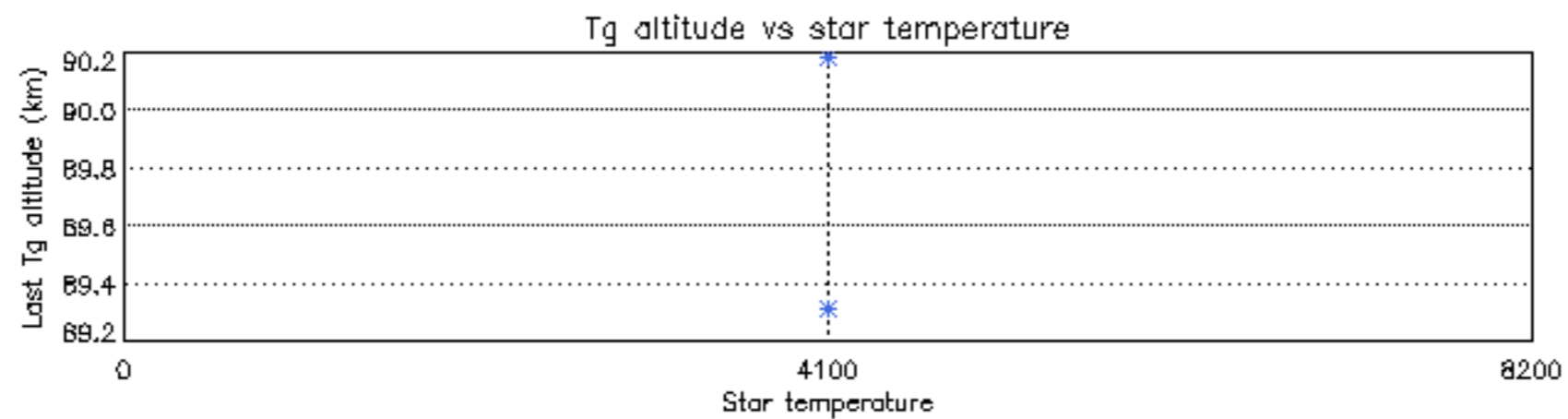
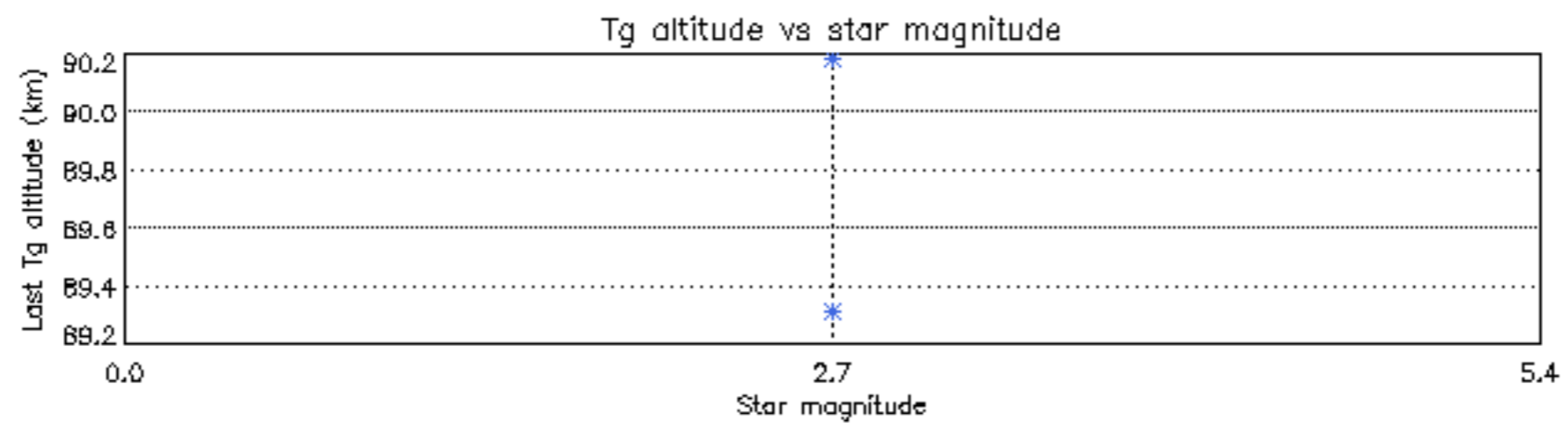
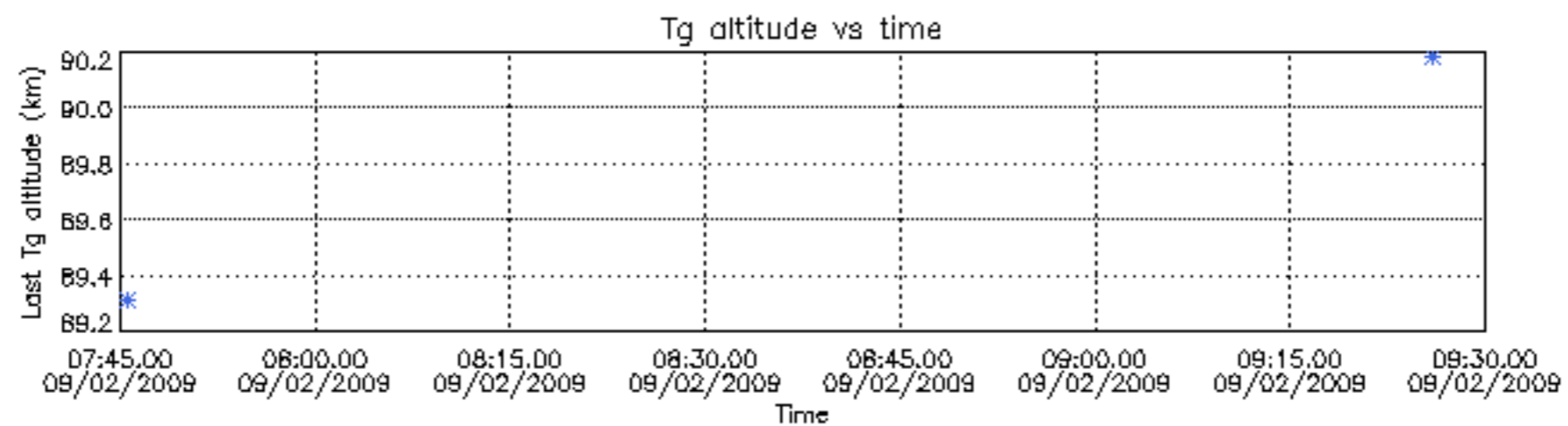
Percentage of saturation errors per profile

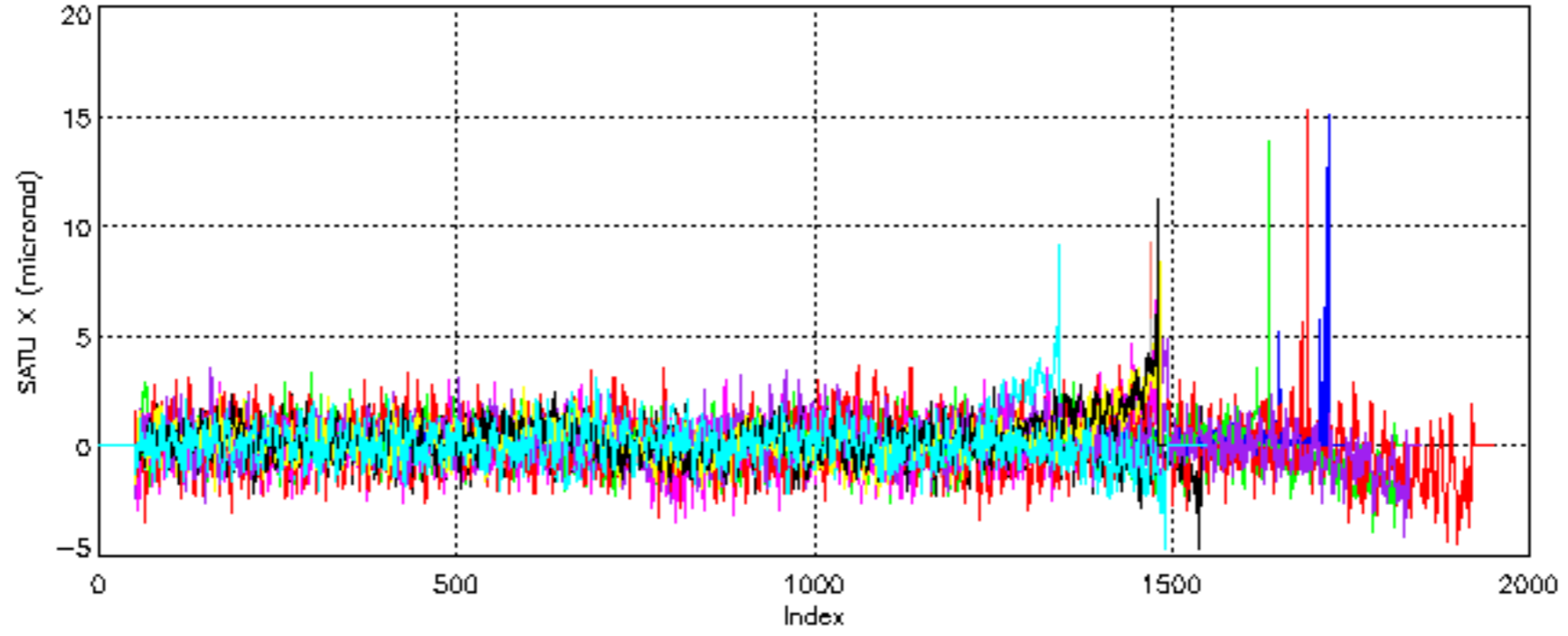


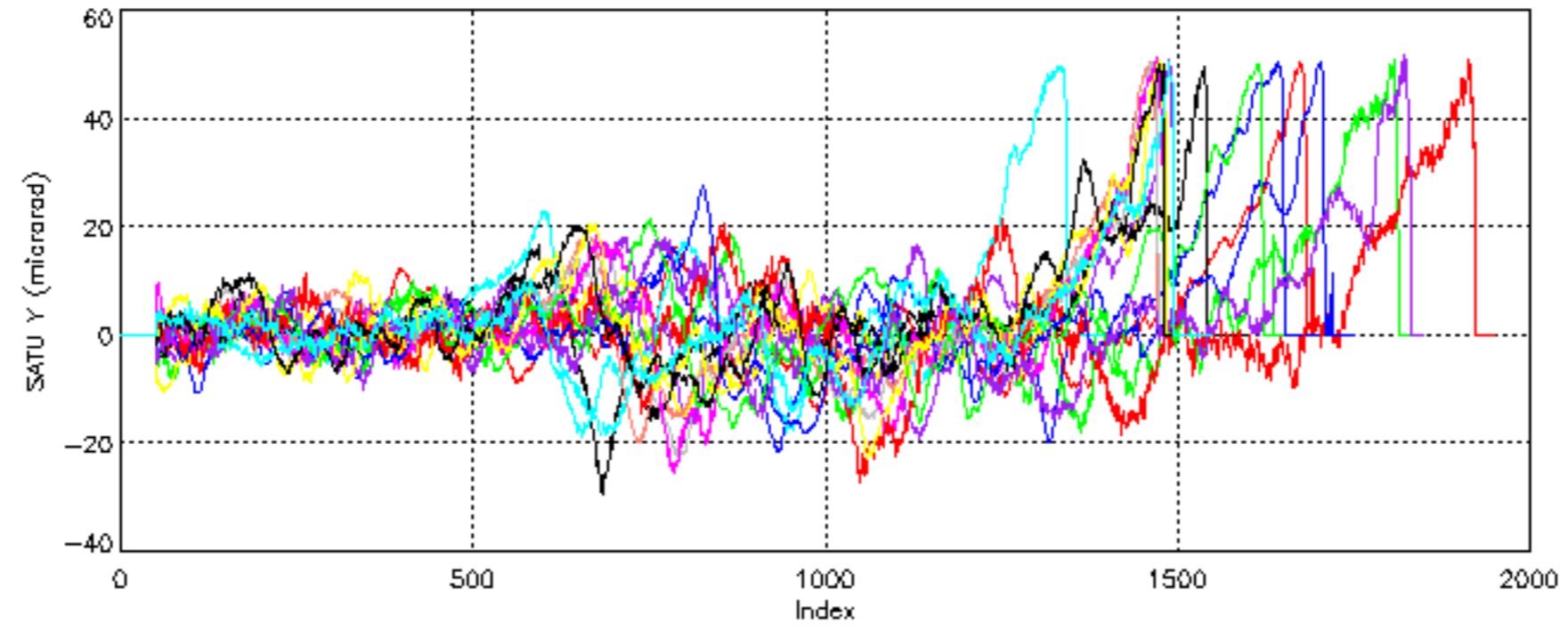
Tangent altitude at which the star is lost

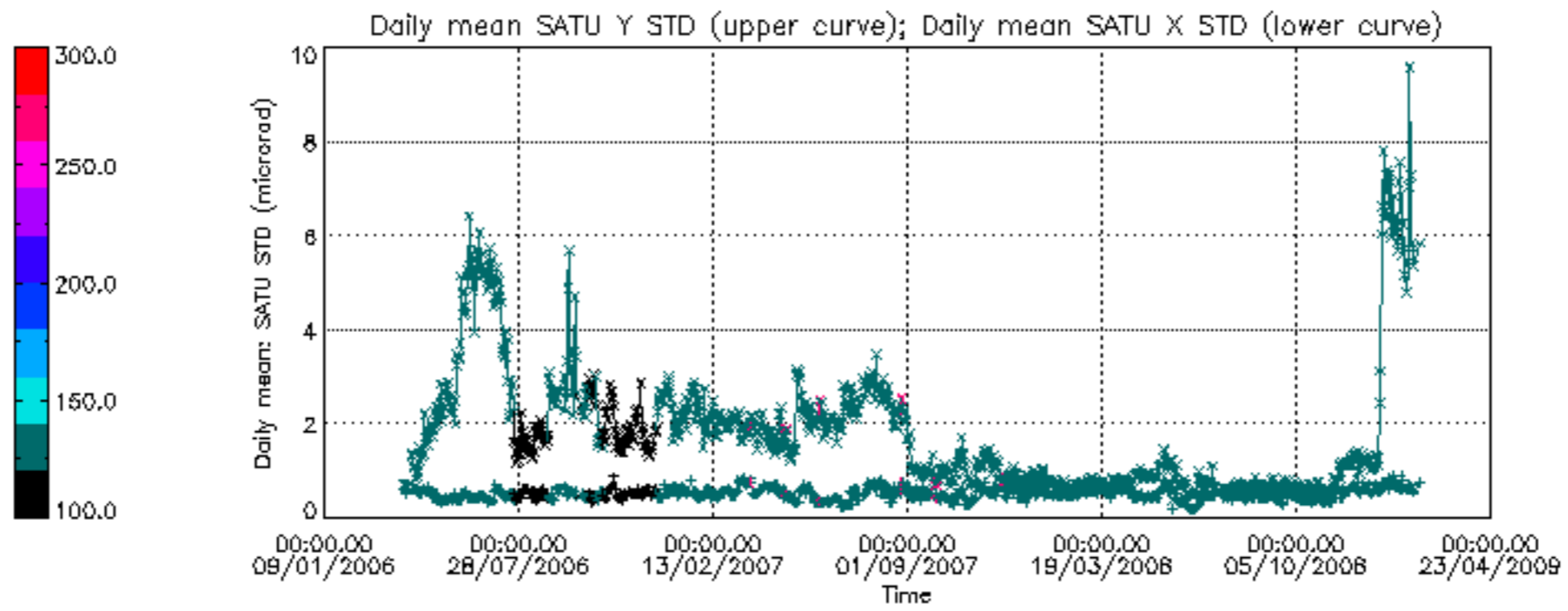


Tangent altitude at which the star is lost









/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20090201_001109_000056722076_00073_36199_7320.N1

1; -720.1; 01-FEB-2009 00:11:09; Dark ; 29.5; 86; 35Eta Oph ; 2.43; 10200;occ; 59; 0;36199
 2; -460.9; 01-FEB-2009 00:15:28; Dark ; 33.0; 16; 21Alp Sco ; 1.02; 3000;occ; 66; 0;36199
 3; -330.1; 01-FEB-2009 00:17:39; Dark ; 29.0; 40; The Sco ; 1.86; 7100;occ; 58; 0;36199
 4; 20.5; 01-FEB-2009 00:23:29; Dark ; 37.5; 109; Bet Lup ; 2.68; 26000;occ; 75; 0;36200
 5; 109.3; 01-FEB-2009 00:24:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;36200
 6; 196.9; 01-FEB-2009 00:26:26; Dark ; 32.5; 4; Alp1Cen ;-0.01; 5800;occ; 65; 0;36200
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19;	2453.0;	03-FEB-2009	00:00:48;	Bright;	;	17.5;	24;	66Alp Gem	;	1.58;	10200;occ;	35;	0;	36228
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21;	3605.6;	03-FEB-2009	00:20:01;	Bright;	;	15.5;	60;	7Bet UMi	;	2.08;	3950;occ;	31;	0;	36228
22;	3890.9;	03-FEB-2009	00:24:46;	Bright;	;	13.5;	119;	14Eta Dra	;	2.73;	4700;occ;	27;	0;	36228
23;	4086.2;	03-FEB-2009	00:28:01;	Bright;	;	12.0;	130;	23Bet Dra	;	2.80;	5800;occ;	24;	0;	36228
24;	4309.2;	03-FEB-2009	00:31:44;	Bright;	;	11.0;	5;	3Alp Lyr	;	0.03;	11000;occ;	22;	0;	36228
25;	4807.1;	03-FEB-2009	00:40:02;	Bright;	;	12.5;	59;	55Alp Oph	;	2.08;	8900;occ;	25;	0;	36228
26;	4936.2;	03-FEB-2009	00:42:11;	Bright;	;	12.5;	126;	60Bet Oph	;	2.77;	4250;occ;	25;	0;	36228
27;	5330.9;	03-FEB-2009	00:48:46;	Dark	;	15.0;	86;	35Eta Oph	;	2.43;	10200;occ;	30;	0;	36228
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1;	-2143.0;	02-FEB-2009	05:58:13;	Bright;	;	14.0;	119;	14Eta Dra	;	2.73;	4700;occ;	28;	0;	36217
2;	-1949.3;	02-FEB-2009	06:01:26;	Bright;	;	12.5;	130;	23Bet Dra	;	2.80;	5800;occ;	25;	0;	36217
3;	-1728.1;	02-FEB-2009	06:05:08;	Bright;	;	11.5;	5;	3Alp Lyr	;	0.03;	11000;occ;	23;	0;	36217
4;	-1232.0;	02-FEB-2009	06:13:24;	Bright;	;	13.0;	59;	55Alp Oph	;	2.08;	8900;occ;	26;	0;	36217
5;	-1103.3;	02-FEB-2009	06:15:32;	Bright;	;	13.0;	126;	60Bet Oph	;	2.77;	4250;occ;	26;	0;	36217
6;	-711.0;	02-FEB-2009	06:22:05;	Dark	;	16.0;	86;	35Eta Oph	;	2.43;	10200;occ;	32;	0;	36217
7;	-447.9;	02-FEB-2009	06:26:28;	Dark	;	18.5;	16;	21Alp Sco	;	1.02;	3000;occ;	37;	0;	36217
8;	-323.7;	02-FEB-2009	06:28:32;	Dark	;	16.0;	40;	The Sco	;	1.86;	7100;occ;	32;	0;	36217
9;	-211.5;	02-FEB-2009	06:30:24;	Dark	;	16.5;	147;	Alp Ara	;	2.88;	26000;occ;	33;	0;	36217
10;	-29.9;	02-FEB-2009	06:33:26;	Dark	;	59.0;	0;		;	0.00;	0;occ;	118;	0;	36217
11;	122.0;	02-FEB-2009	06:35:58;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	36218
12;	206.7;	02-FEB-2009	06:37:22;	Dark	;	19.0;	4;	Alp1Cen	;	-0.01;	5800;occ;	38;	0;	36218
13;	279.8;	02-FEB-2009	06:38:35;	Dark	;	19.0;	10;	Bet Cen	;	0.61;	28000;occ;	38;	0;	36218
14;	482.2;	02-FEB-2009	06:41:58;	Dark	;	19.0;	12;	Alp1Cru	;	0.77;	30000;occ;	38;	0;	36218
15;	608.6;	02-FEB-2009	06:44:04;	Dark	;	21.0;	99;	Del Cen	;	2.58;	26000;occ;	42;	0;	36218
16;	715.9;	02-FEB-2009	06:45:52;	Dark	;	17.0;	159;	Ups Car	;	2.92;	7200;occ;	34;	0;	36218
17;	830.9;	02-FEB-2009	06:47:47;	Dark	;	17.0;	71;	Iot Car	;	2.25;	7700;occ;	34;	0;	36218
18;	935.0;	02-FEB-2009	06:49:31;	Dark	;	16.5;	46;	Del Vel	;	1.95;	10600;occ;	33;	0;	36218
19;	1085.3;	02-FEB-2009	06:52:01;	Dark	;	16.5;	34;	Gam2Vel	;	1.79;	23000;occ;	33;	0;	36218
20;	1210.2;	02-FEB-2009	06:54:06;	Dark	;	16.5;	70;	Zet Pup	;	2.25;	39000;occ;	33;	0;	36218
21;	1416.3;	02-FEB-2009	06:57:32;	Dark	;	15.5;	88;	31Eta CMA	;	2.45;	20000;occ;	31;	0;	36218
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20090202_070709_000054742076_00092_36218_3308.N1														
1;	1993.5;	02-FEB-2009	07:07:09;	Dark	;	17.0;	8;	10Alp CMI	;	0.40;	6500;occ;	34;	0;	36218
2;	2344.5;	02-FEB-2009	07:13:00;	Bright;	;	17.0;	170;	27Eps Gem	;	3.00;	9700;occ;	34;	0;	36218
3;	2454.2;	02-FEB-2009	07:14:50;	Bright;	;	17.5;	24;	66Alp Gem	;	1.58;	10200;occ;	35;	0;	36218
4;	3428.3;	02-FEB-2009	07:31:04;	Bright;	;	15.0;	49;	1Alp UMi	;	1.99;	6300;occ;	30;	0;	36218
5;	3607.9;	02-FEB-2009	07:34:04;	Bright;	;	16.0;	60;	7Bet UMi	;	2.08;	3950;occ;	32;	0;	36218
6;	3892.7;	02-FEB-2009	07:38:48;	Bright;	;	14.5;	119;	14Eta Dra	;	2.73;	4700;occ;	29;	0;	36218
7;	4086.4;	02-FEB-2009	07:42:02;	Bright;	;	13.0;	130;	23Bet Dra	;	2.80;	5800;occ;	26;	0;	36218
8;	4307.7;	02-FEB-2009	07:45:43;	Bright;	;	12.0;	5;	3Alp Lyr	;	0.03;	11000;occ;	24;	0;	36218
9;	4803.8;	02-FEB-2009	07:53:59;	Bright;	;	13.5;	59;	55Alp Oph	;	2.08;	8900;occ;	27;	0;	36218
10;	4932.9;	02-FEB-2009	07:56:09;	Bright;	;	13.0;	126;	60Bet Oph	;	2.77;	4250;occ;	26;	0;	36218
11;	5325.6;	02-FEB-2009	08:02:41;	Dark	;	16.0;	86;	35Eta Oph	;	2.43;	10200;occ;	32;	0;	36218
12;	5588.5;	02-FEB-2009	08:07:04;	Dark	;	19.0;	16;	21Alp Sco	;	1.02;	3000;occ;	38;	0;	36218
13;	5712.4;	02-FEB-2009	08:09:08;	Dark	;	16.5;	40;	The Sco	;	1.86;	7100;occ;	33;	0;	36218
14;	5825.0;	02-FEB-2009	08:11:01;	Dark	;	16.5;	147;	Alp Ara	;	2.88;	26000;occ;	33;	0;	36218
15;	5938.2;	02-FEB-2009	08:12:54;	Dark	;	20.5;	131;	Gam Lup	;	2.80;	26000;occ;	41;	0;	36218
16;	6074.5;	02-FEB-2009	08:15:10;	Dark	;	21.5;	109;	Bet Lup	;	2.68;	26000;occ;	43;	0;	36218
17;	6158.7;	02-FEB-2009	08:16:34;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	36218
18;	6243.3;	02-FEB-2009	08:17:59;	Dark	;	19.0;	4;	Alp1Cen	;	-0.01;	5800;occ;	38;	0;	36218
19;	6316.5;	02-FEB-2009	08:19:12;	Dark	;	19.0;	10;	Bet Cen	;	0.61;	28000;occ;	38;	0;	36218

20; 6518.8; 02-FEB-2009 08:22:34; Dark ; 18.5; 12; Alp1Cru ; 0.77; 30000;occ; 37; 0;36218
 21; 6645.3; 02-FEB-2009 08:24:41; Dark ; 21.0; 99; Del Cen ; 2.58; 26000;occ; 42; 0;36218
 22; 6752.1; 02-FEB-2009 08:26:28; Dark ; 17.0; 159; Ups Car ; 2.92; 7200;occ; 34; 0;36218
 23; 6867.0; 02-FEB-2009 08:28:23; Dark ; 17.0; 71; Iot Car ; 2.25; 7700;occ; 34; 0;36218
 24; 6971.1; 02-FEB-2009 08:30:07; Dark ; 17.0; 46; Del Vel ; 1.95; 10600;occ; 34; 0;36218
 25; 7121.5; 02-FEB-2009 08:32:37; Dark ; 16.5; 34; Gam2Vel ; 1.79; 23000;occ; 33; 0;36218
 26; 7246.4; 02-FEB-2009 08:34:42; Dark ; 16.5; 70; Zet Pup ; 2.25; 39000;occ; 33; 0;36218
 27; 7452.3; 02-FEB-2009 08:38:08; Dark ; 15.5; 88; 31Eta CMa ; 2.45; 20000;occ; 31; 0;36218

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1; 1993.4; 02-FEB-2009 08:47:45; Dark ; 17.5; 8; 10Alp CMI ; 0.40; 6500;occ; 35; 0;36219
 2; 2344.5; 02-FEB-2009 08:53:36; Bright; 17.0; 170; 27Eps Gem ; 3.00; 9700;occ; 34; 0;36219
 3; 2454.0; 02-FEB-2009 08:55:26; Bright; 18.0; 24; 66Alp Gem ; 1.58; 10200;occ; 36; 0;36219
 4; 3428.5; 02-FEB-2009 09:11:40; Bright; 14.5; 49; 1Alp UMi ; 1.99; 6300;occ; 29; 0;36219
 5; 3607.6; 02-FEB-2009 09:14:39; Bright; 16.0; 60; 7Bet UMi ; 2.08; 3950;occ; 32; 0;36219
 6; 3892.6; 02-FEB-2009 09:19:24; Bright; 14.0; 119; 14Eta Dra ; 2.73; 4700;occ; 28; 0;36219
 7; 4086.4; 02-FEB-2009 09:22:38; Bright; 13.0; 130; 23Bet Dra ; 2.80; 5800;occ; 26; 0;36219
 8; 4307.7; 02-FEB-2009 09:26:19; Bright; 12.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 24; 0;36219
 9; 4804.4; 02-FEB-2009 09:34:36; Bright; 13.0; 59; 55Alp Oph ; 2.08; 8900;occ; 26; 0;36219
 10; 4933.3; 02-FEB-2009 09:36:45; Bright; 13.0; 126; 60Bet Oph ; 2.77; 4250;occ; 26; 0;36219
 11; 5326.0; 02-FEB-2009 09:43:18; Dark ; 16.0; 86; 35Eta Oph ; 2.43; 10200;occ; 32; 0;36219
 12; 5589.2; 02-FEB-2009 09:47:41; Dark ; 19.0; 16; 21Alp Sco ; 1.02; 3000;occ; 38; 0;36219
 13; 5712.6; 02-FEB-2009 09:49:44; Dark ; 16.5; 40; The Sco ; 1.86; 7100;occ; 33; 0;36219
 14; 5825.2; 02-FEB-2009 09:51:37; Dark ; 16.5; 147; Alp Ara ; 2.88; 26000;occ; 33; 0;36219
 15; 5939.1; 02-FEB-2009 09:53:31; Dark ; 20.5; 131; Gam Lup ; 2.80; 26000;occ; 41; 0;36219
 16; 6075.5; 02-FEB-2009 09:55:47; Dark ; 21.5; 109; Bet Lup ; 2.68; 26000;occ; 43; 0;36219
 17; 6244.0; 02-FEB-2009 09:58:36; Dark ; 19.0; 4; Alp1Cen ; -0.01; 5800;occ; 38; 0;36219
 18; 6317.2; 02-FEB-2009 09:59:49; Dark ; 19.0; 10; Bet Cen ; 0.61; 28000;occ; 38; 0;36219
 19; 6519.6; 02-FEB-2009 10:03:11; Dark ; 18.5; 12; Alp1Cru ; 0.77; 30000;occ; 37; 0;36219
 20; 6646.0; 02-FEB-2009 10:05:18; Dark ; 21.0; 99; Del Cen ; 2.58; 26000;occ; 42; 0;36219
 21; 6752.4; 02-FEB-2009 10:07:04; Dark ; 17.0; 159; Ups Car ; 2.92; 7200;occ; 34; 0;36219
 22; 6867.3; 02-FEB-2009 10:08:59; Dark ; 17.0; 71; Iot Car ; 2.25; 7700;occ; 34; 0;36219
 23; 6971.3; 02-FEB-2009 10:10:43; Dark ; 17.0; 46; Del Vel ; 1.95; 10600;occ; 34; 0;36219
 24; 7121.8; 02-FEB-2009 10:13:13; Dark ; 16.0; 34; Gam2Vel ; 1.79; 23000;occ; 32; 0;36219
 25; 7246.7; 02-FEB-2009 10:15:18; Dark ; 16.0; 70; Zet Pup ; 2.25; 39000;occ; 32; 0;36219
 26; 7452.5; 02-FEB-2009 10:18:44; Dark ; 15.5; 88; 31Eta CMa ; 2.45; 20000;occ; 31; 0;36219

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 2; 2344.6; 02-FEB-2009 10:34:12; Bright; 17.0; 170; 27Eps Gem ; 3.00; 9700;occ; 34; 0;36220
 3; 2454.1; 02-FEB-2009 10:36:02; Bright; 17.5; 24; 66Alp Gem ; 1.58; 10200;occ; 35; 0;36220
 4; 3427.8; 02-FEB-2009 10:52:15; Bright; 15.5; 49; 1Alp UMi ; 1.99; 6300;occ; 31; 0;36220
 5; 3607.7; 02-FEB-2009 10:55:15; Bright; 15.5; 60; 7Bet UMi ; 2.08; 3950;occ; 31; 0;36220
 6; 3892.5; 02-FEB-2009 11:00:00; Bright; 14.0; 119; 14Eta Dra ; 2.73; 4700;occ; 28; 0;36220
 7; 4086.4; 02-FEB-2009 11:03:14; Bright; 12.5; 130; 23Bet Dra ; 2.80; 5800;occ; 25; 0;36220
 8; 4308.0; 02-FEB-2009 11:06:55; Bright; 11.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 23; 0;36220
 9; 4804.6; 02-FEB-2009 11:15:12; Bright; 13.0; 59; 55Alp Oph ; 2.08; 8900;occ; 26; 0;36220
 10; 4933.4; 02-FEB-2009 11:17:21; Bright; 13.0; 126; 60Bet Oph ; 2.77; 4250;occ; 26; 0;36220
 11; 5326.5; 02-FEB-2009 11:23:54; Dark ; 16.0; 86; 35Eta Oph ; 2.43; 10200;occ; 32; 0;36220
 12; 5483.0; 02-FEB-2009 11:26:30; Dark ; 15.0; 167; 10Gam2Sgr ; 2.98; 4500;occ; 30; 0;36220
 13; 5589.8; 02-FEB-2009 11:28:17; Dark ; 19.0; 16; 21Alp Sco ; 1.02; 3000;occ; 38; 0;36220
 14; 5713.0; 02-FEB-2009 11:30:21; Dark ; 16.0; 40; The Sco ; 1.86; 7100;occ; 32; 0;36220
 15; 5825.5; 02-FEB-2009 11:32:13; Dark ; 16.5; 147; Alp Ara ; 2.88; 26000;occ; 33; 0;36220
 16; 6007.1; 02-FEB-2009 11:35:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;36220
 17; 6244.5; 02-FEB-2009 11:39:12; Dark ; 19.0; 4; Alp1Cen ; -0.01; 5800;occ; 38; 0;36220
 18; 6317.7; 02-FEB-2009 11:40:25; Dark ; 19.0; 10; Bet Cen ; 0.61; 28000;occ; 38; 0;36220
 19; 6519.9; 02-FEB-2009 11:43:47; Dark ; 18.5; 12; Alp1Cru ; 0.77; 30000;occ; 37; 0;36220
 20; 6647.0; 02-FEB-2009 11:45:55; Dark ; 21.0; 99; Del Cen ; 2.58; 26000;occ; 42; 0;36220
 21; 6752.8; 02-FEB-2009 11:47:40; Dark ; 17.0; 159; Ups Car ; 2.92; 7200;occ; 34; 0;36220
 22; 6867.6; 02-FEB-2009 11:49:35; Dark ; 17.0; 71; Iot Car ; 2.25; 7700;occ; 34; 0;36220
 23; 6971.6; 02-FEB-2009 11:51:19; Dark ; 17.0; 46; Del Vel ; 1.95; 10600;occ; 34; 0;36220
 24; 7121.9; 02-FEB-2009 11:53:49; Dark ; 16.5; 34; Gam2Vel ; 1.79; 23000;occ; 33; 0;36220
 25; 7247.0; 02-FEB-2009 11:55:54; Dark ; 16.0; 70; Zet Pup ; 2.25; 39000;occ; 32; 0;36220
 26; 7452.8; 02-FEB-2009 11:59:20; Dark ; 15.0; 88; 31Eta CMa ; 2.45; 20000;occ; 30; 0;36220

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1; 1993.5; 02-FEB-2009 12:08:57; Dark ; 17.5; 8; 10Alp CMI ; 0.40; 6500;occ; 35; 0;36221
 2; 2344.9; 02-FEB-2009 12:14:48; Bright; 17.0; 170; 27Eps Gem ; 3.00; 9700;occ; 34; 0;36221
 3; 2454.0; 02-FEB-2009 12:16:37; Bright; 17.5; 24; 66Alp Gem ; 1.58; 10200;occ; 35; 0;36221
 4; 3428.3; 02-FEB-2009 12:32:52; Bright; 15.0; 49; 1Alp UMi ; 1.99; 6300;occ; 30; 0;36221
 5; 3607.5; 02-FEB-2009 12:35:51; Bright; 15.5; 60; 7Bet UMi ; 2.08; 3950;occ; 31; 0;36221

6; 3892.0; 02-FEB-2009 12:40:35; Bright; 14.5; 119; 14Eta Dra ; 2.73; 4700;occ; 29; 0;36221
7; 4086.7; 02-FEB-2009 12:43:50; Bright; 12.5; 130; 23Bet Dra ; 2.80; 5800;occ; 25; 0;36221
8; 4308.3; 02-FEB-2009 12:47:32; Bright; 11.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 23; 0;36221
9; 4804.9; 02-FEB-2009 12:55:48; Bright; 13.0; 59; 55Alp Oph ; 2.08; 8900;occ; 26; 0;36221
10; 4933.7; 02-FEB-2009 12:57:57; Bright; 13.0; 126; 60Bet Oph ; 2.77; 4250;occ; 26; 0;36221
11; 5327.0; 02-FEB-2009 13:04:30; Dark ; 16.0; 86; 35Eta Oph ; 2.43; 10200;occ; 32; 0;36221
12; 5483.6; 02-FEB-2009 13:07:07; Dark ; 14.5; 167; 10Gam2Sgr ; 2.98; 4500;occ; 29; 0;36221
13; 5590.8; 02-FEB-2009 13:08:54; Dark ; 18.5; 16; 21Alp Sco ; 1.02; 3000;occ; 37; 0;36221
14; 5713.3; 02-FEB-2009 13:10:57; Dark ; 16.0; 40; The Sco ; 1.86; 7100;occ; 32; 0;36221
15; 5825.9; 02-FEB-2009 13:12:49; Dark ; 16.5; 147; Alp Ara ; 2.88; 26000;occ; 33; 0;36221
16; 6007.5; 02-FEB-2009 13:15:51; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;36221
17; 6160.7; 02-FEB-2009 13:18:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;36221
18; 6245.2; 02-FEB-2009 13:19:49; Dark ; 19.0; 4; Alp1Cen ;-0.01; 5800;occ; 38; 0;36221
19; 6318.6; 02-FEB-2009 13:21:02; Dark ; 18.5; 10; Bet Cen ; 0.61; 28000;occ; 37; 0;36221
20; 6520.7; 02-FEB-2009 13:24:24; Dark ; 18.5; 12; Alp1Cru ; 0.77; 30000;occ; 37; 0;36221
21; 6647.8; 02-FEB-2009 13:26:31; Dark ; 21.0; 99; Del Cen ; 2.58; 26000;occ; 42; 0;36221
22; 6753.2; 02-FEB-2009 13:28:17; Dark ; 17.0; 159; Ups Car ; 2.92; 7200;occ; 34; 0;36221
23; 6868.0; 02-FEB-2009 13:30:11; Dark ; 17.0; 71; Iot Car ; 2.25; 7700;occ; 34; 0;36221
24; 6972.0; 02-FEB-2009 13:31:55; Dark ; 16.5; 46; Del Vel ; 1.95; 10600;occ; 33; 0;36221
25; 7122.1; 02-FEB-2009 13:34:25; Dark ; 16.5; 34; Gam2Vel ; 1.79; 23000;occ; 33; 0;36221
26; 7247.0; 02-FEB-2009 13:36:30; Dark ; 16.5; 70; Zet Pup ; 2.25; 39000;occ; 33; 0;36221
27; 7452.8; 02-FEB-2009 13:39:56; Dark ; 15.5; 88; 31Eta CMa ; 2.45; 20000;occ; 31; 0;36221

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2; 2345.3; 02-FEB-2009 13:55:25; Bright; 16.5; 170; 27Eps Gem ; 3.00; 9700;occ; 33; 0;36222
3; 2454.0; 02-FEB-2009 13:57:13; Bright; 17.5; 24; 66Alp Gem ; 1.58; 10200;occ; 35; 0;36222
4; 3428.3; 02-FEB-2009 14:13:28; Bright; 15.0; 49; 1Alp UMi ; 1.99; 6300;occ; 30; 0;36222
5; 3607.0; 02-FEB-2009 14:16:26; Bright; 16.0; 60; 7Bet UMi ; 2.08; 3950;occ; 32; 0;36222
6; 3892.2; 02-FEB-2009 14:21:11; Bright; 14.0; 119; 14Eta Dra ; 2.73; 4700;occ; 28; 0;36222
7; 4086.5; 02-FEB-2009 14:24:26; Bright; 12.5; 130; 23Bet Dra ; 2.80; 5800;occ; 25; 0;36222
8; 4308.4; 02-FEB-2009 14:28:08; Bright; 11.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 23; 0;36222
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10; 4934.1; 02-FEB-2009 14:38:33; Bright; 13.0; 126; 60Bet Oph ; 2.77; 4250;occ; 26; 0;36222
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