

GOMOS Daily Report 17-JAN-2010

Level 0 and Level 1 products

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

Item	Value
Time of report generation	19JAN2010 04:34:43
Data source version	GOMOS/5.00L04
Start time of products	17JAN2010 00:05:32
Stop time of products	17JAN2010 06:21:59
Store outputs in DB	Yes
Nb of level 1b prods	108
Nb of prods with errors	1

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

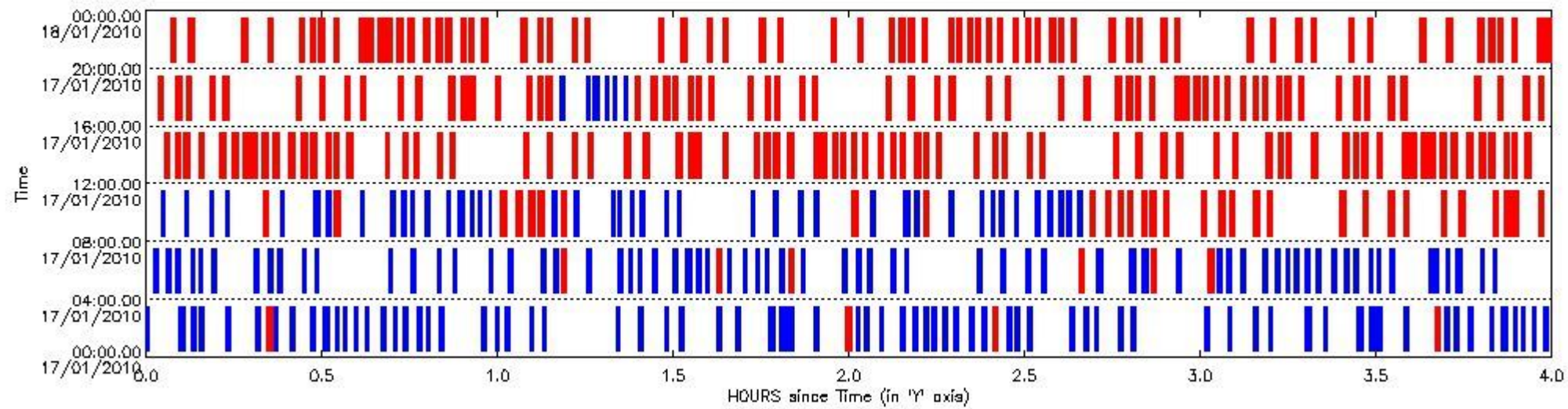
2.1 Level 0 products arrived in PCF (see template [here](#))

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
17-JAN-2010 00:20:38	BetLup	109	41209
17-JAN-2010 01:59:26	GamLup	131	41210
17-JAN-2010 02:24:30	PiPup	117	41211
17-JAN-2010 03:40:03	GamLup	131	41211
17-JAN-2010 05:10:52	13ZetOph	98	41212
17-JAN-2010 05:37:23	lotCar	71	41213
17-JAN-2010 05:49:39	24Omi2CMa	179	41213
17-JAN-2010 06:39:17	40ZetHer	133	41213
17-JAN-2010 06:51:29	13ZetOph	98	41213
17-JAN-2010 07:01:16	GamLup	131	41213
17-JAN-2010 08:19:53	40ZetHer	133	41214
17-JAN-2010 08:32:05	13ZetOph	98	41214
17-JAN-2010 09:00:27	DelVel	46	41215
17-JAN-2010 09:03:09	Gam2Vel	34	41215
17-JAN-2010 09:05:17	ZetPup	70	41215

17-JAN-2010 09:06:55	PiPup	117	41215
17-JAN-2010 09:10:51	24Omi2CMa	179	41215
17-JAN-2010 10:00:29	40ZetHer	133	41215
17-JAN-2010 10:12:41	13ZetOph	98	41215
17-JAN-2010 10:41:03	DelVel	46	41216
17-JAN-2010 10:43:45	Gam2Vel	34	41216
17-JAN-2010 10:45:53	ZetPup	70	41216
17-JAN-2010 10:47:31	PiPup	117	41216
17-JAN-2010 10:50:03	21EpsCMa	23	41216
17-JAN-2010 10:51:27	24Omi2CMa	179	41216
17-JAN-2010 10:53:40	9AlpCMa	1	41216
17-JAN-2010 11:00:16	10AlpCMi	8	41216
17-JAN-2010 11:03:14	24GamGem	44	41216
17-JAN-2010 11:04:58	13MuGem	151	41216
17-JAN-2010 11:09:08	37TheAur	107	41216
17-JAN-2010 11:11:19	34BetAur	42	41216
17-JAN-2010 11:23:52	1AlpUMi	49	41216
17-JAN-2010 11:27:45	7BetUMi	60	41216
17-JAN-2010 11:32:08	14EtaDra	119	41216
17-JAN-2010 11:34:46	23BetDra	130	41216
17-JAN-2010 11:41:05	40ZetHer	133	41216
17-JAN-2010 11:44:14	27BetHer	127	41216
17-JAN-2010 11:49:52	24AlpSer	102	41216
17-JAN-2010 11:51:58	1DelOph	120	41216
17-JAN-2010 11:53:18	13ZetOph	98	41216
17-JAN-2010 11:57:46	21AlpSco	16	41216
17-JAN-2010 12:03:05	GamLup	131	41216
17-JAN-2010 12:04:54	BetLup	109	41216
17-JAN-2010 12:06:24	AlpLup	78	41216
17-JAN-2010 12:08:53	Alp1Cen	4	41217
17-JAN-2010 12:12:30	BetCru	20	41217
17-JAN-2010 12:14:34	DSA1053	0	41217
17-JAN-2010 12:16:32	TheCar	124	41217
17-JAN-2010 12:17:56	UpsCar	159	41217
17-JAN-2010 12:19:48	lotCar	71	41217
17-JAN-2010 12:21:40	DelVel	46	41217
17-JAN-2010 12:24:21	Gam2Vel	34	41217
17-JAN-2010 12:26:29	ZetPup	70	41217
17-JAN-2010 12:28:07	PiPup	117	41217
17-JAN-2010 12:30:39	21EpsCMa	23	41217
17-JAN-2010 12:32:03	24Omi2CMa	179	41217
17-JAN-2010 12:34:16	9AlpCMa	1	41217
17-JAN-2010 12:40:51	10AlpCMi	8	41217
17-JAN-2010 12:43:50	24GamGem	44	41217
17-JAN-2010 12:45:34	13MuGem	151	41217
17-JAN-2010 12:49:44	37TheAur	107	41217
17-JAN-2010 12:51:54	34BetAur	42	41217
17-JAN-2010 13:04:28	1AlpUMi	49	41217
17-JAN-2010 13:08:21	7BetUMi	60	41217
17-JAN-2010 13:12:44	14EtaDra	119	41217
17-JAN-2010 13:15:22	23BetDra	130	41217
17-JAN-2010 13:21:41	40ZetHer	133	41217
17-JAN-2010 13:24:50	27BetHer	127	41217
17-JAN-2010 13:30:29	24AlpSer	102	41217
17-JAN-2010 13:32:35	1DelOph	120	41217
17-JAN-2010 13:33:54	13ZetOph	98	41217
17-JAN-2010 13:38:22	21AlpSco	16	41217
17-JAN-2010 13:43:42	GamLup	131	41217
17-JAN-2010 13:45:30	BetLup	109	41217

17-JAN-2010 13:47:01	AlpLup	78	41217
17-JAN-2010 13:49:30	Alp1Cen	4	41218
17-JAN-2010 13:53:56	Alp1Cru	12	41218
17-JAN-2010 13:55:11	DSA1053	0	41218
17-JAN-2010 13:57:09	TheCar	124	41218
17-JAN-2010 13:58:32	UpsCar	159	41218
17-JAN-2010 14:00:25	lotCar	71	41218
17-JAN-2010 14:02:16	DelVel	46	41218
17-JAN-2010 14:04:57	Gam2Vel	34	41218
17-JAN-2010 14:07:06	ZetPup	70	41218
17-JAN-2010 14:08:43	PiPup	117	41218
17-JAN-2010 14:11:15	21EpsCMa	23	41218
17-JAN-2010 14:12:39	24Omi2CMa	179	41218
17-JAN-2010 14:14:52	9AlpCMa	1	41218
17-JAN-2010 14:21:27	10AlpCMi	8	41218
17-JAN-2010 14:24:26	24GamGem	44	41218
17-JAN-2010 14:26:10	13MuGem	151	41218
17-JAN-2010 14:30:20	37TheAur	107	41218
17-JAN-2010 14:32:30	34BetAur	42	41218
17-JAN-2010 14:45:04	1AlpUMi	49	41218
17-JAN-2010 14:48:57	7BetUMi	60	41218
17-JAN-2010 14:53:19	14EtaDra	119	41218
17-JAN-2010 14:55:58	23BetDra	130	41218
17-JAN-2010 15:02:17	40ZetHer	133	41218
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17-JAN-2010 15:35:48	DSA1053	0	41219
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17-JAN-2010 15:47:42	ZetPup	70	41219
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17-JAN-2010 16:02:03	10AlpCMi	8	41219
17-JAN-2010 16:05:02	24GamGem	44	41219
17-JAN-2010 16:06:46	13MuGem	151	41219
17-JAN-2010 16:10:56	37TheAur	107	41219
17-JAN-2010 16:13:06	34BetAur	42	41219
17-JAN-2010 16:25:40	1AlpUMi	49	41219
17-JAN-2010 16:29:33	7BetUMi	60	41219
17-JAN-2010 16:33:55	14EtaDra	119	41219
17-JAN-2010 16:36:34	23BetDra	130	41219
17-JAN-2010 16:42:53	40ZetHer	133	41219
17-JAN-2010 16:46:02	27BetHer	127	41219
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17-JAN-2010 17:08:14	AlpLup	78	41219
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17-JAN-2010 17:29:56	PiPup	117	41220
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17-JAN-2010 20:07:14	27BetHer	127	41221
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17-JAN-2010 20:31:55	Alp1Cen	4	41222
17-JAN-2010 20:36:22	Alp1Cru	12	41222
17-JAN-2010 20:37:38	DSA1053	0	41222

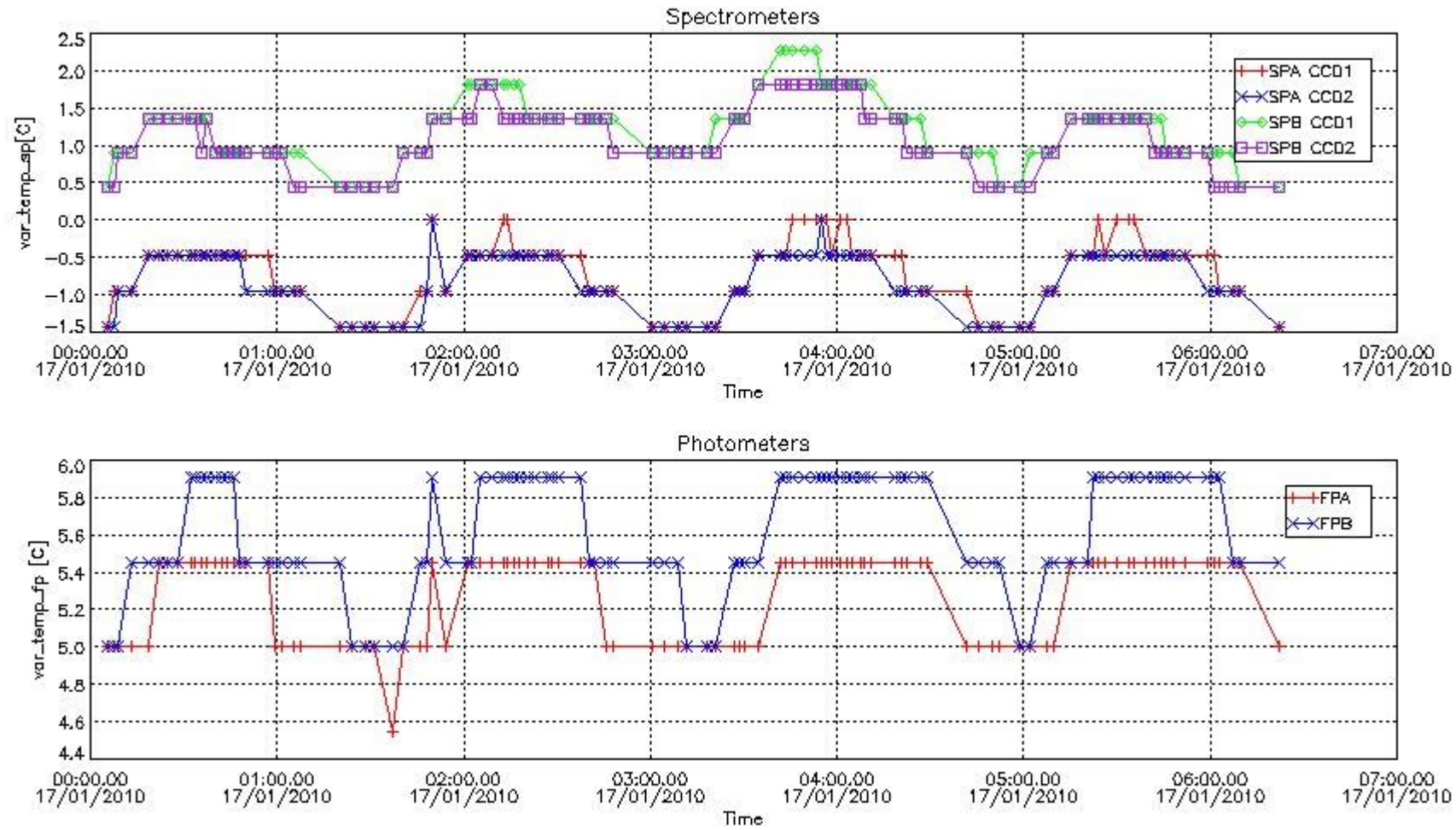
17-JAN-2010 20:39:34	TheCar	124	41222
17-JAN-2010 20:40:57	UpsCar	159	41222
17-JAN-2010 20:42:50	lotCar	71	41222
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17-JAN-2010 20:49:31	ZetPup	70	41222
17-JAN-2010 20:51:08	PiPup	117	41222
17-JAN-2010 20:53:40	21EpsCMa	23	41222
17-JAN-2010 20:55:04	24Omi2CMa	179	41222
17-JAN-2010 20:57:16	9AlpCMa	1	41222
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17-JAN-2010 21:31:20	7BetUMi	60	41222
17-JAN-2010 21:35:43	14EtaDra	119	41222
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17-JAN-2010 21:44:41	40ZetHer	133	41222
17-JAN-2010 21:47:51	27BetHer	127	41222
17-JAN-2010 21:56:56	13ZetOph	98	41222
17-JAN-2010 22:01:24	21AlpSco	16	41222
17-JAN-2010 22:06:44	GamLup	131	41222
17-JAN-2010 22:08:34	BetLup	109	41222
17-JAN-2010 22:10:04	AlpLup	78	41222
17-JAN-2010 22:12:32	Alp1Cen	4	41223
17-JAN-2010 22:16:58	Alp1Cru	12	41223
17-JAN-2010 22:18:15	DSA1053	0	41223
17-JAN-2010 22:20:11	TheCar	124	41223
17-JAN-2010 22:21:34	UpsCar	159	41223
17-JAN-2010 22:23:26	lotCar	71	41223
17-JAN-2010 22:25:18	DelVel	46	41223
17-JAN-2010 22:27:59	Gam2Vel	34	41223
17-JAN-2010 22:30:07	ZetPup	70	41223
17-JAN-2010 22:31:44	PiPup	117	41223
17-JAN-2010 22:34:16	21EpsCMa	23	41223
17-JAN-2010 22:35:40	24Omi2CMa	179	41223
17-JAN-2010 22:37:52	9AlpCMa	1	41223
17-JAN-2010 22:44:26	10AlpCMi	8	41223
17-JAN-2010 22:47:26	24GamGem	44	41223
17-JAN-2010 22:49:10	13MuGem	151	41223
17-JAN-2010 22:53:20	37TheAur	107	41223
17-JAN-2010 22:55:30	34BetAur	42	41223
17-JAN-2010 23:08:04	1AlpUMi	49	41223
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17-JAN-2010 23:16:19	14EtaDra	119	41223
17-JAN-2010 23:18:58	23BetDra	130	41223
17-JAN-2010 23:25:17	40ZetHer	133	41223
17-JAN-2010 23:28:27	27BetHer	127	41223
17-JAN-2010 23:37:32	13ZetOph	98	41223
17-JAN-2010 23:42:00	21AlpSco	16	41223
17-JAN-2010 23:47:21	GamLup	131	41223
17-JAN-2010 23:49:10	BetLup	109	41223
17-JAN-2010 23:50:41	AlpLup	78	41223
17-JAN-2010 23:53:08	Alp1Cen	4	41224
17-JAN-2010 23:57:35	Alp1Cru	12	41224
17-JAN-2010 23:58:52	DSA1053	0	41224

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_1PNPDE20100117_000532_000000632086_00073_41209_4925.N1	17-JAN-2010 00:05:32	Bright	63.000	102	24Alp Ser	2.6000	4250.0	126	41209	No
2	GOM_TRA_1PNPDE20100117_000738_000000452086_00073_41209_4926.N1	17-JAN-2010 00:07:38	Bright	44.500	120	1Del Oph	2.7340	3200.0	89	41209	No
3	GOM_TRA_1PNPDE20100117_000858_000000542086_00073_41209_4927.N1	17-JAN-2010 00:08:58	Bright	53.500	98	13Zet Oph	2.5710	30000.	107	41209	No
4	GOM_TRA_1PNPDE20100117_001326_000000492086_00073_41209_4916.N1	17-JAN-2010 00:13:26	Twilight	48.500	16	21Alp Sco	1.0200	3000.0	97	41209	No
5	GOM_TRA_1PNPDE20100117_001844_000000422086_00073_41209_4917.N1	17-JAN-2010 00:18:44	Dark	41.500	131	Gam Lup	2.8000	26000.	83	41209	No
6	GOM_TRA_1PNPDE20100117_002159_000000262086_00073_41209_4918.N1	17-JAN-2010 00:21:59	Dark	26.000	54	5The Cen	2.0550	4500.0	52	41209	No
7	GOM_TRA_1PNPDE20100117_002433_000000492086_00074_41210_4919.N1	17-JAN-2010 00:24:33	Dark	49.000	4	Alp1Cen	-0.010000	5800.0	98	41210	No
8	GOM_TRA_1PNPDE20100117_002808_000000482086_00074_41210_4920.N1	17-JAN-2010 00:28:08	Dark	48.000	20	Bet Cru	1.2530	30000.	96	41210	No
9	GOM_TRA_1PNPDE20100117_003211_000000382086_00074_41210_4921.N1	17-JAN-2010 00:32:11	Dark	38.000	124	The Car	2.7640	30000.	76	41210	No
10	GOM_TRA_1PNPDE20100117_003336_000000402086_00074_41210_4922.N1	17-JAN-2010 00:33:36	Dark	39.500	159	Ups Car	2.9200	7200.0	79	41210	No
11	GOM_TRA_1PNPDE20100117_003528_000000422086_00074_41210_4923.N1	17-JAN-2010 00:35:28	Dark	41.500	71	lot Car	2.2460	7700.0	83	41210	No
12	GOM_TRA_1PNPDE20100117_003719_000000432086_00074_41210_4924.N1	17-JAN-2010 00:37:19	Dark	43.000	46	Del Vel	1.9540	10600.	86	41210	No
13	GOM_TRA_1PNPDE20100117_004002_000000452086_00074_41210_4925.N1	17-JAN-2010 00:40:02	Dark	44.500	34	Gam2Vel	1.7930	23000.	89	41210	No
14	GOM_TRA_1PNPDE20100117_004210_000000422086_00074_41210_4926.N1	17-JAN-2010 00:42:10	Dark	42.000	70	Zet Pup	2.2460	39000.	84	41210	No
15	GOM_TRA_1PNPDE20100117_004348_000000452086_00074_41210_4927.N1	17-JAN-2010 00:43:48	Straylight	44.500	117	Pi Pup	2.7060	3800.0	89	41210	No
16	GOM_TRA_1PNPDE20100117_004620_000000422086_00074_41210_4928.N1	17-JAN-2010 00:46:20	Straylight	42.000	23	21Eps CMa	1.5020	26000.	84	41210	No
17	GOM_TRA_1PNPDE20100117_004745_000000422086_00074_41210_4929.N1	17-JAN-2010 00:47:45	Straylight	41.500	179	24Omi2CMa	3.0320	24000.	83	41210	No
18	GOM_TRA_1PNPDE20100117_004958_000000452086_00074_41210_4930.N1	17-JAN-2010 00:49:58	Straylight	44.500	1	9Alp CMa	-1.4400	11000.	89	41210	No
19	GOM_TRA_1PNPDE20100117_005707_000000522086_00074_41210_4931.N1	17-JAN-2010 00:57:07	Twilight	52.000	14	58Alp Ori	0.87000	3000.0	104	41210	No
20	GOM_TRA_1PNPDE20100117_005933_000000442086_00074_41210_4932.N1	17-JAN-2010 00:59:33	Bright	44.000	44	24Gam Gem	1.9280	11000.	88	41210	No
21	GOM_TRA_1PNPDE20100117_010117_000000412086_00074_41210_4933.N1	17-JAN-2010 01:01:17	Bright	40.500	151	13Mu Gem	2.8900	3000.0	81	41210	No
22	GOM_TRA_1PNPDE20100117_010527_000000362086_00074_41210_4934.N1	17-JAN-2010 01:05:27	Bright	36.000	107	37The Aur	2.6490	11000.	72	41210	No
23	GOM_TRA_1PNPDE20100117_010737_000000402086_00074_41210_4935.N1	17-JAN-2010 01:07:37	Bright	39.500	42	34Bet Aur	1.9000	10200.	79	41210	No
24	GOM_TRA_1PNPDE20100117_012011_000000332086_00074_41210_4936.N1	17-JAN-2010 01:20:11	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	41210	No
25	GOM_TRA_1PNPDE20100117_012405_000000402086_00074_41210_4937.N1	17-JAN-2010 01:24:05	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	41210	No
26	GOM_TRA_1PNPDE20100117_012827_000000392086_00074_41210_4938.N1	17-JAN-2010 01:28:27	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	41210	No
27	GOM_TRA_1PNPDE20100117_013105_000000382086_00074_41210_4939.N1	17-JAN-2010 01:31:05	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	41210	No
28	GOM_TRA_1PNPDE20100117_013723_000000552086_00074_41210_4940.N1	17-JAN-2010 01:37:23	Bright	55.000	133	40Zet Her	2.8070	6000.0	110	41210	No
29	GOM_TRA_1PNPDE20100117_014031_000000522086_00074_41210_4941.N1	17-JAN-2010 01:40:31	Bright	52.000	127	27Bet Her	2.7810	4700.0	104	41210	No
30	GOM_TRA_1PNPDE20100117_014608_000000632086_00074_41210_4942.N1	17-JAN-2010 01:46:08	Bright	63.000	102	24Alp Ser	2.6000	4250.0	126	41210	No
31	GOM_TRA_1PNPDE20100117_014814_000000572086_00074_41210_4943.N1	17-JAN-2010 01:48:14	Bright	57.000	120	1Del Oph	2.7340	3200.0	114	41210	No
32	GOM_TRA_1PNPDE20100117_014934_000000542086_00074_41210_4935.N1	17-JAN-2010 01:49:34	Bright	54.000	98	13Zet Oph	2.5710	30000.	108	41210	Yes
33	GOM_TRA_1PNPDE20100117_015402_000000472086_00074_41210_4936.N1	17-JAN-2010 01:54:02	Twilight	46.500	16	21Alp Sco	1.0200	3000.0	93	41210	No
34	GOM_TRA_1PNPDE20100117_020109_000000412086_00074_41210_4937.N1	17-JAN-2010 02:01:09	Dark	40.500	109	Bet Lup	2.6770	26000.	81	41210	No
35	GOM_TRA_1PNPDE20100117_020239_000000412086_00074_41210_4938.N1	17-JAN-2010 02:02:39	Dark	40.500	78	Alp Lup	2.3040	28000.	81	41210	No
36	GOM_TRA_1PNPDE20100117_020509_000000422086_00075_41211_4939.N1	17-JAN-2010 02:05:09	Dark	41.500	4	Alp1Cen	-0.010000	5800.0	83	41211	No
37	GOM_TRA_1PNPDE20100117_020845_000000432086_00075_41211_4940.N1	17-JAN-2010 02:08:45	Dark	42.500	20	Bet Cru	1.2530	30000.	85	41211	No
38	GOM_TRA_1PNPDE20100117_021248_000000402086_00075_41211_4941.N1	17-JAN-2010 02:12:48	Dark	40.000	124	The Car	2.7640	30000.	80	41211	No
39	GOM_TRA_1PNPDE20100117_021412_000000392086_00075_41211_4942.N1	17-JAN-2010 02:14:12	Dark	39.000	159	Ups Car	2.9200	7200.0	78	41211	No
40	GOM_TRA_1PNPDE20100117_021605_000000402086_00075_41211_4943.N1	17-JAN-2010 02:16:05	Dark	39.500	71	lot Car	2.2460	7700.0	79	41211	No
41	GOM_TRA_1PNPDE20100117_021756_000000432086_00075_41211_4944.N1	17-JAN-2010 02:17:56	Dark	43.000	46	Del Vel	1.9540	10600.	86	41211	No
42	GOM_TRA_1PNPDE20100117_022038_000000432086_00075_41211_4945.N1	17-JAN-2010 02:20:38	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	41211	No
43	GOM_TRA_1PNPDE20100117_022246_000000452086_00075_41211_4946.N1	17-JAN-2010 02:22:46	Dark	45.000	70	Zet Pup	2.2460	39000.	90	41211	No
44	GOM_TRA_1PNPDE20100117_022656_000000432086_00075_41211_4947.N1	17-JAN-2010 02:26:56	Straylight	43.000	23	21Eps CMa	1.5020	26000.	86	41211	No
45	GOM_TRA_1PNPDE20100117_022821_000000422086_00075_41211_4948.N1	17-JAN-2010 02:28:21	Straylight	41.500	179	24Omi2CMa	3.0320	24000.	83	41211	No
46	GOM_TRA_1PNPDE20100117_023034_000000452086_00075_41211_4949.N1	17-JAN-2010 02:30:34	Straylight	45.000	1	9Alp CMa	-1.4400	11000.	90	41211	No
47	GOM_TRA_1PNPDE20100117_023743_000000522086_00075_41211_4950.N1	17-JAN-2010 02:37:43	Twilight	51.500	14	58Alp Ori	0.87000	3000.0	103	41211	No
48	GOM_TRA_1PNPDE20100117_024009_000000462086_00075_41211_4951.N1	17-JAN-2010 02:40:09	Bright	46.000	44	24Gam Gem	1.9280	11000.	92	41211	No
49	GOM_TRA_1PNPDE20100117_024153_000000422086_00075_41211_4952.N1	17-JAN-2010 02:41:53	Bright	42.000	151	13Mu Gem	2.8900	3000.0	84	41211	No
50	GOM_TRA_1PNPDE20100117_024602_000000372086_00075_41211_4953.N1	17-JAN-2010 02:46:02	Bright	37.000	107	37The Aur	2.6490	11000.	74	41211	No
51	GOM_TRA_1PNPDE20100117_024813_000000372086_00075_41211_4954.N1	17-JAN-2010 02:48:13	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	41211	No
52	GOM_TRA_1PNPDE20100117_030047_000000372086_00075_41211_4955.N1	17-JAN-2010 03:00:47	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	41211	No
53	GOM_TRA_1PNPDE20100117_030441_000000422086_00075_41211_4961.N1	17-JAN-2010 03:04:41	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	41211	No
54	GOM_TRA_1PNPDE20100117_030903_000000402086_00075_41211_4962.N1	17-JAN-2010 03:09:03	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	41211	No
55	GOM_TRA_1PNPDE20100117_031141_000000392086_00075_41211_4963.N1	17-JAN-2010 03:11:41	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	41211	No

56	GOM_TRA_1PNPDE20100117_031759_000000522086_00075_41211_4964.N1	17-JAN-2010 03:17:59	Bright	52.000	133	40Zet Her	2.8070	6000.0	104	41211	No
57	GOM_TRA_1PNPDE20100117_032107_000000382086_00075_41211_4965.N1	17-JAN-2010 03:21:07	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	41211	No
58	GOM_TRA_1PNPDE20100117_032645_000000632086_00075_41211_4966.N1	17-JAN-2010 03:26:45	Bright	63.000	102	24Alp Ser	2.6000	4250.0	126	41211	No
59	GOM_TRA_1PNPDE20100117_032851_000000572086_00075_41211_4967.N1	17-JAN-2010 03:28:51	Bright	57.000	120	1Del Oph	2.7340	3200.0	114	41211	No
60	GOM_TRA_1PNPDE20100117_033011_000000542086_00075_41211_4968.N1	17-JAN-2010 03:30:11	Bright	54.000	98	13Zet Oph	2.5710	30000.	108	41211	No
61	GOM_TRA_1PNPDE20100117_033439_000000532086_00075_41211_4969.N1	17-JAN-2010 03:34:39	Twilight	52.500	16	21Alp Sco	1.0200	3000.0	105	41211	No
62	GOM_TRA_1PNPDE20100117_034145_000000422086_00075_41211_4970.N1	17-JAN-2010 03:41:45	Dark	41.500	109	Bet Lup	2.6770	26000.	83	41211	No
63	GOM_TRA_1PNPDE20100117_034316_000000482086_00075_41211_4971.N1	17-JAN-2010 03:43:16	Dark	47.500	78	Alp Lup	2.3040	28000.	95	41211	No
64	GOM_TRA_1PNPDE20100117_034546_000000422086_00076_41212_4972.N1	17-JAN-2010 03:45:46	Dark	42.000	4	Alp1Cen	-0.010000	5800.0	84	41212	No
65	GOM_TRA_1PNPDE20100117_034921_000000422086_00076_41212_4973.N1	17-JAN-2010 03:49:21	Dark	41.500	20	Bet Cru	1.2530	30000.	83	41212	No
66	GOM_TRA_1PNPDE20100117_035325_000000382086_00076_41212_4974.N1	17-JAN-2010 03:53:25	Dark	37.500	124	The Car	2.7640	30000.	75	41212	No
67	GOM_TRA_1PNPDE20100117_035449_000000392086_00076_41212_4975.N1	17-JAN-2010 03:54:49	Dark	38.500	159	Ups Car	2.9200	7200.0	77	41212	No
68	GOM_TRA_1PNPDE20100117_035641_000000402086_00076_41212_4976.N1	17-JAN-2010 03:56:41	Dark	40.000	71	lot Car	2.2460	7700.0	80	41212	No
69	GOM_TRA_1PNPDE20100117_035832_000000432086_00076_41212_4977.N1	17-JAN-2010 03:58:32	Dark	43.000	46	Del Vel	1.9540	10600.	86	41212	No
70	GOM_TRA_1PNPDE20100117_040114_000000432086_00076_41212_4978.N1	17-JAN-2010 04:01:14	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	41212	No
71	GOM_TRA_1PNPDE20100117_040322_000000432086_00076_41212_4979.N1	17-JAN-2010 04:03:22	Dark	43.000	70	Zet Pup	2.2460	39000.	86	41212	No
72	GOM_TRA_1PNPDE20100117_040501_000000422086_00076_41212_4980.N1	17-JAN-2010 04:05:01	Straylight	42.000	117	Pi Pup	2.7060	3800.0	84	41212	No
73	GOM_TRA_1PNPDE20100117_040733_000000432086_00076_41212_4981.N1	17-JAN-2010 04:07:33	Straylight	43.000	23	21Eps CMa	1.5020	26000.	86	41212	No
74	GOM_TRA_1PNPDE20100117_040857_000000422086_00076_41212_4982.N1	17-JAN-2010 04:08:57	Straylight	41.500	179	24Omi2CMa	3.0320	24000.	83	41212	No
75	GOM_TRA_1PNPDE20100117_041110_000000462086_00076_41212_4983.N1	17-JAN-2010 04:11:10	Straylight	46.000	1	9Alp CMa	-1.4400	11000.	92	41212	No
76	GOM_TRA_1PNPDE20100117_041820_000000492086_00076_41212_4984.N1	17-JAN-2010 04:18:20	Twilight	48.500	14	58Alp Ori	0.87000	3000.0	97	41212	No
77	GOM_TRA_1PNPDE20100117_042046_000000432086_00076_41212_4985.N1	17-JAN-2010 04:20:46	Bright	43.000	44	24Gam Gem	1.9280	11000.	86	41212	No
78	GOM_TRA_1PNPDE20100117_042229_000000412086_00076_41212_4986.N1	17-JAN-2010 04:22:29	Bright	41.000	151	13Mu Gem	2.8900	3000.0	82	41212	No
79	GOM_TRA_1PNPDE20100117_042638_000000372086_00076_41212_4987.N1	17-JAN-2010 04:26:38	Bright	37.000	107	37The Aur	2.6490	11000.	74	41212	No
80	GOM_TRA_1PNPDE20100117_042849_000000372086_00076_41212_4988.N1	17-JAN-2010 04:28:49	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	41212	No
81	GOM_TRA_1PNPDE20100117_044123_000000372086_00076_41212_4989.N1	17-JAN-2010 04:41:23	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	41212	No
82	GOM_TRA_1PNPDE20100117_044517_000000422086_00076_41212_4984.N1	17-JAN-2010 04:45:17	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	41212	No
83	GOM_TRA_1PNPDE20100117_044939_000000352086_00076_41212_4985.N1	17-JAN-2010 04:49:39	Bright	35.000	119	14Eta Dra	2.7270	4700.0	70	41212	No
84	GOM_TRA_1PNPDE20100117_045217_000000342086_00076_41212_4986.N1	17-JAN-2010 04:52:17	Bright	33.500	130	23Bet Dra	2.7990	5800.0	67	41212	No
85	GOM_TRA_1PNPDE20100117_045835_000000392086_00076_41212_4987.N1	17-JAN-2010 04:58:35	Bright	38.500	133	40Zet Her	2.8070	6000.0	77	41212	No
86	GOM_TRA_1PNPDE20100117_050144_000000562086_00076_41212_4988.N1	17-JAN-2010 05:01:44	Bright	56.000	127	27Bet Her	2.7810	4700.0	112	41212	No
87	GOM_TRA_1PNPDE20100117_050721_000000492086_00076_41212_4989.N1	17-JAN-2010 05:07:21	Bright	48.500	102	24Alp Ser	2.6000	4250.0	97	41212	No
88	GOM_TRA_1PNPDE20100117_050927_000000572086_00076_41212_4990.N1	17-JAN-2010 05:09:27	Bright	57.000	120	1Del Oph	2.7340	3200.0	114	41212	No
89	GOM_TRA_1PNPDE20100117_051515_000000492086_00076_41212_4991.N1	17-JAN-2010 05:15:15	Twilight	48.500	16	21Alp Sco	1.0200	3000.0	97	41212	No
90	GOM_TRA_1PNPDE20100117_052034_000000412086_00076_41212_4992.N1	17-JAN-2010 05:20:34	Dark	40.500	131	Gam Lup	2.8000	26000.	81	41212	No
91	GOM_TRA_1PNPDE20100117_052222_000000402086_00076_41212_4993.N1	17-JAN-2010 05:22:22	Dark	39.500	109	Bet Lup	2.6770	26000.	79	41212	No
92	GOM_TRA_1PNPDE20100117_052353_000000432086_00076_41212_4994.N1	17-JAN-2010 05:23:53	Dark	42.500	78	Alp Lup	2.3040	28000.	85	41212	No
93	GOM_TRA_1PNPDE20100117_052622_000000542086_00077_41213_4995.N1	17-JAN-2010 05:26:22	Dark	54.000	4	Alp1Cen	-0.010000	5800.0	108	41213	No
94	GOM_TRA_1PNPDE20100117_052958_000000412086_00077_41213_4996.N1	17-JAN-2010 05:29:58	Dark	40.500	20	Bet Cru	1.2530	30000.	81	41213	No
95	GOM_TRA_1PNPDE20100117_053401_000000392086_00077_41213_4997.N1	17-JAN-2010 05:34:01	Dark	39.000	124	The Car	2.7640	30000.	78	41213	No
96	GOM_TRA_1PNPDE20100117_053525_000000392086_00077_41213_4998.N1	17-JAN-2010 05:35:25	Dark	38.500	159	Ups Car	2.9200	7200.0	77	41213	No
97	GOM_TRA_1PNPDE20100117_053909_000000452086_00077_41213_4999.N1	17-JAN-2010 05:39:09	Dark	44.500	46	Del Vel	1.9540	10600.	89	41213	No
98	GOM_TRA_1PNPDE20100117_054150_000000432086_00077_41213_5000.N1	17-JAN-2010 05:41:50	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	41213	No
99	GOM_TRA_1PNPDE20100117_054359_000000422086_00077_41213_5001.N1	17-JAN-2010 05:43:59	Dark	41.500	70	Zet Pup	2.2460	39000.	83	41213	No
100	GOM_TRA_1PNPDE20100117_054537_000000432086_00077_41213_5002.N1	17-JAN-2010 05:45:37	Straylight	43.000	117	Pi Pup	2.7060	3800.0	86	41213	No
101	GOM_TRA_1PNPDE20100117_054809_000000412086_00077_41213_5003.N1	17-JAN-2010 05:48:09	Straylight	40.500	23	21Eps CMa	1.5020	26000.	81	41213	No
102	GOM_TRA_1PNPDE20100117_055146_000000462086_00077_41213_5004.N1	17-JAN-2010 05:51:46	Straylight	46.000	1	9Alp CMa	-1.4400	11000.	92	41213	No
103	GOM_TRA_1PNPDE20100117_055856_000000452086_00077_41213_5005.N1	17-JAN-2010 05:58:56	Twilight	45.000	14	58Alp Ori	0.87000	3000.0	90	41213	No
104	GOM_TRA_1PNPDE20100117_060121_000000362086_00077_41213_5006.N1	17-JAN-2010 06:01:21	Bright	36.000	44	24Gam Gem	1.9280	11000.	72	41213	No
105	GOM_TRA_1PNPDE20100117_060305_000000532086_00077_41213_5007.N1	17-JAN-2010 06:03:05	Bright	53.000	151	13Mu Gem	2.8900	3000.0	106	41213	No
106	GOM_TRA_1PNPDE20100117_060715_000000372086_00077_41213_5008.N1	17-JAN-2010 06:07:15	Bright	36.500	107	37The Aur	2.6490	11000.	73	41213	No
107	GOM_TRA_1PNPDE20100117_060925_000000382086_00077_41213_5009.N1	17-JAN-2010 06:09:25	Bright	37.500	42	34Bet Aur	1.9000	10200.	75	41213	No
108	GOM_TRA_1PNPDE20100117_062159_000000382086_00077_41213_5010.N1	17-JAN-2010 06:21:59	Bright	38.000	49	1Alp UMi	1.9900	6300.0	76	41213	No

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



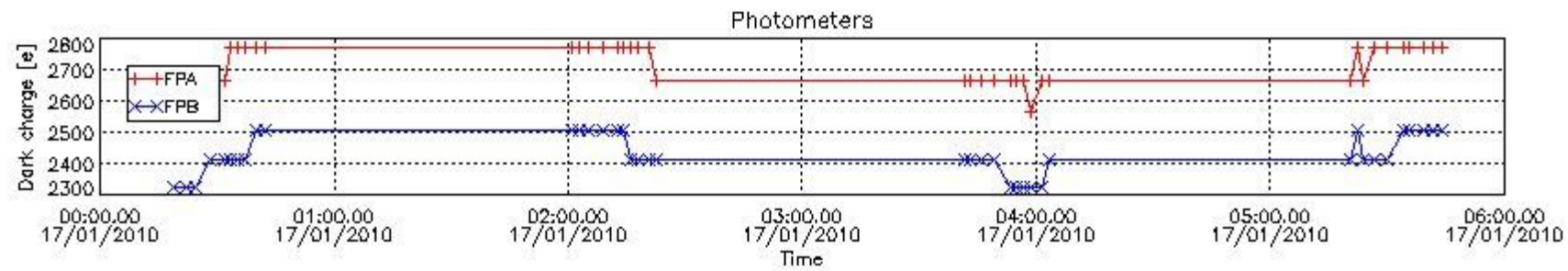
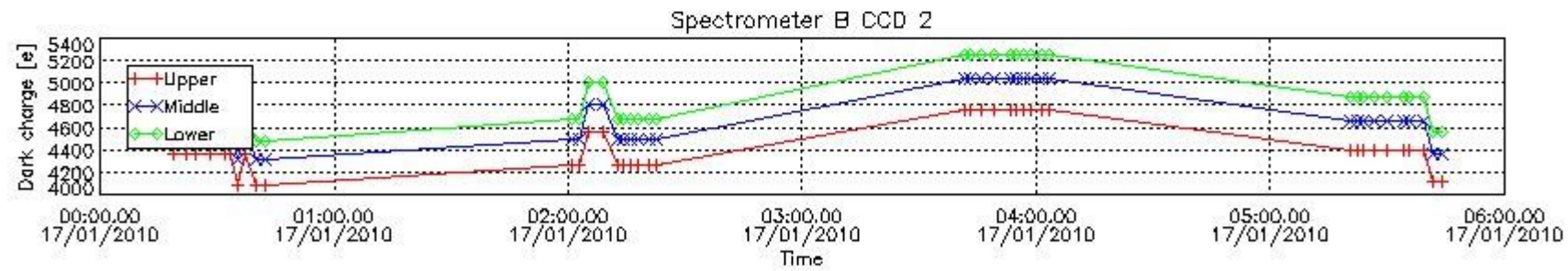
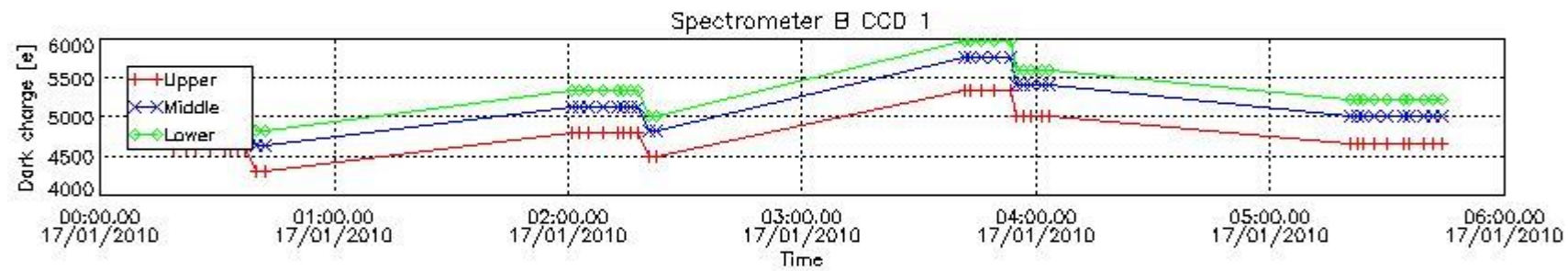
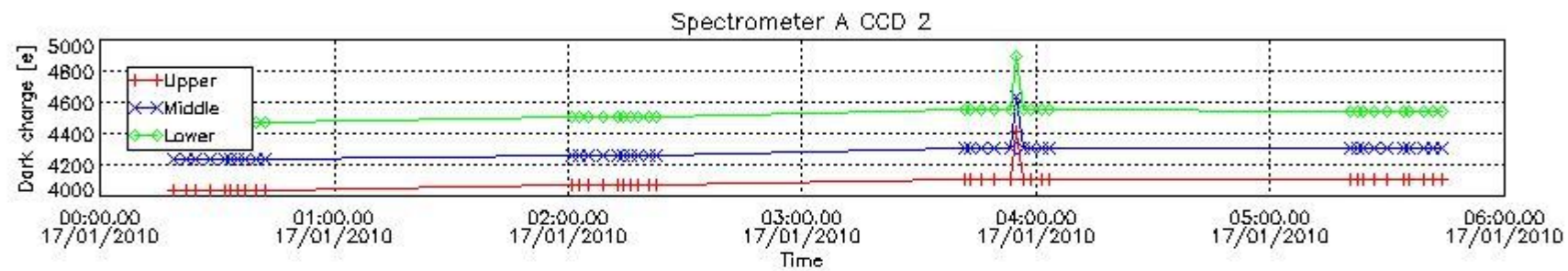
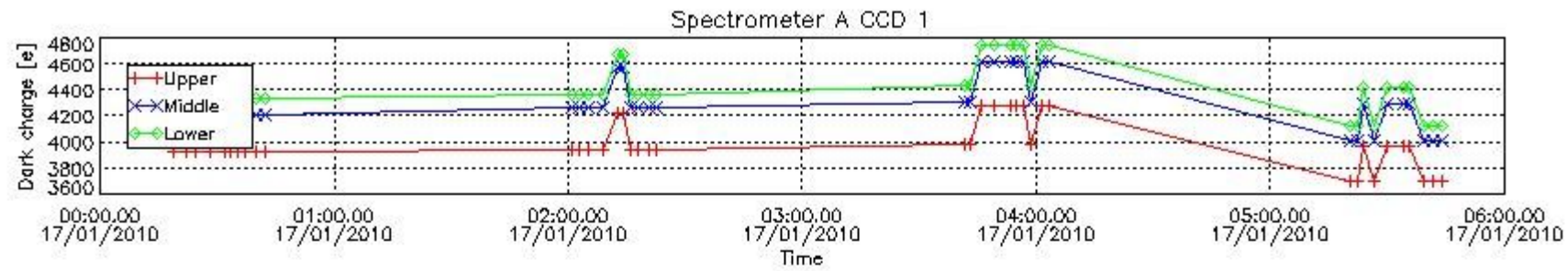
4. Overview of dark signal processing per product

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



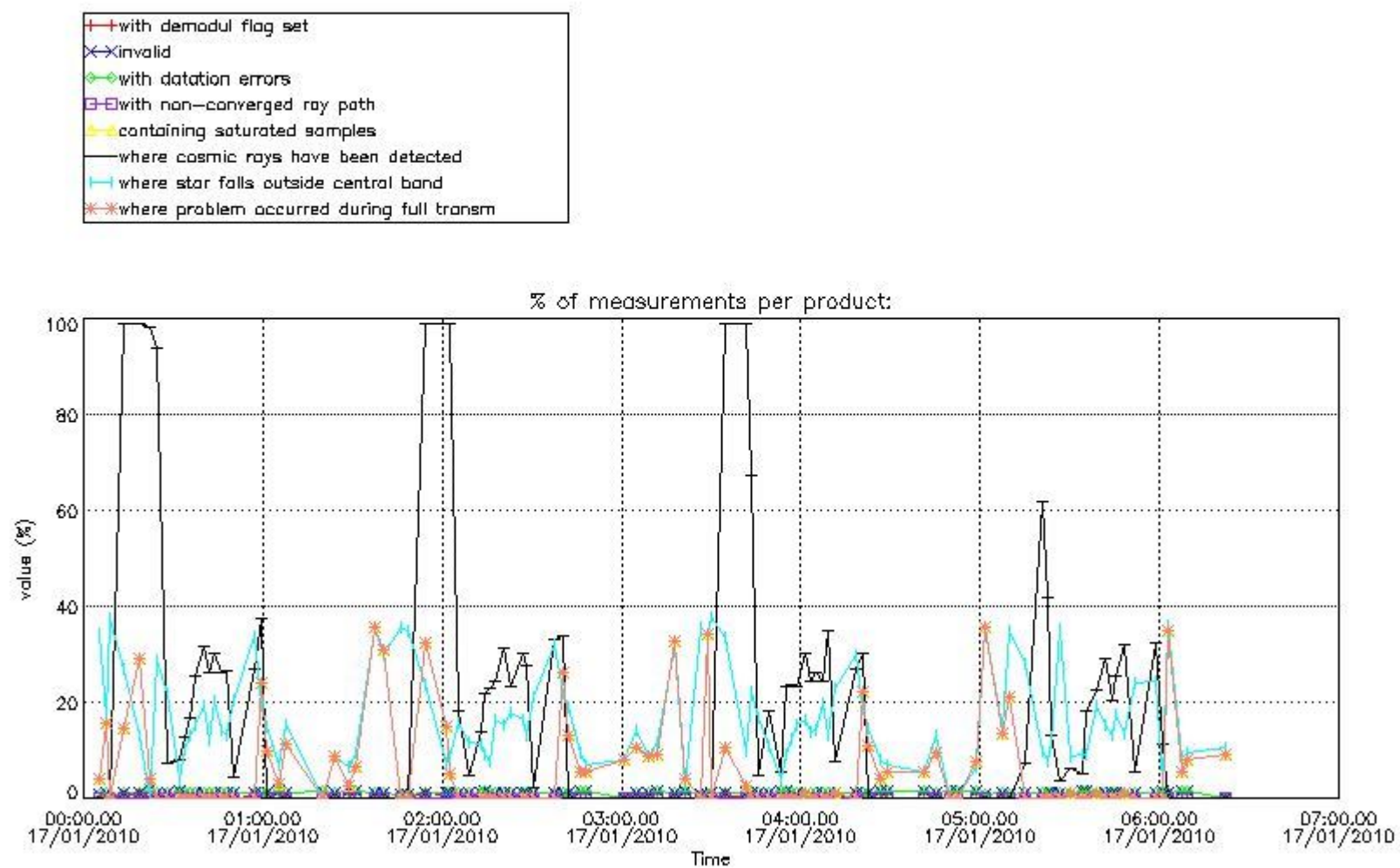
5. Demodulation flag and quality information monitoring

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.

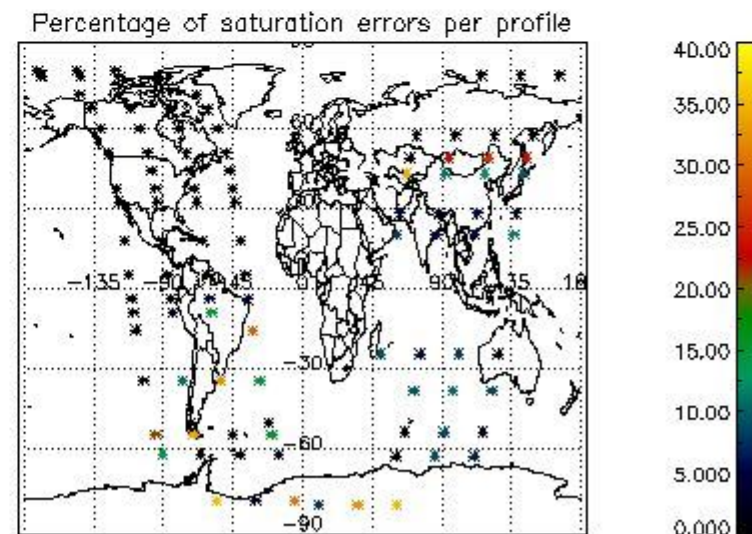
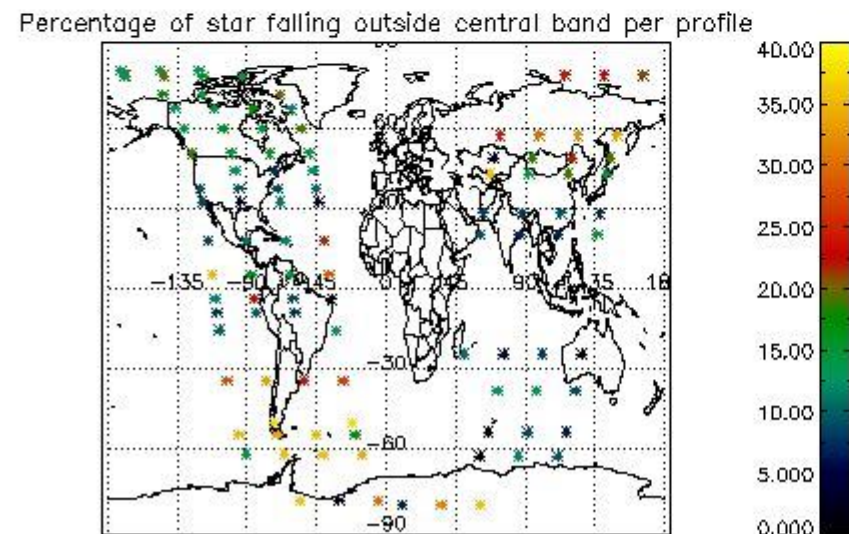
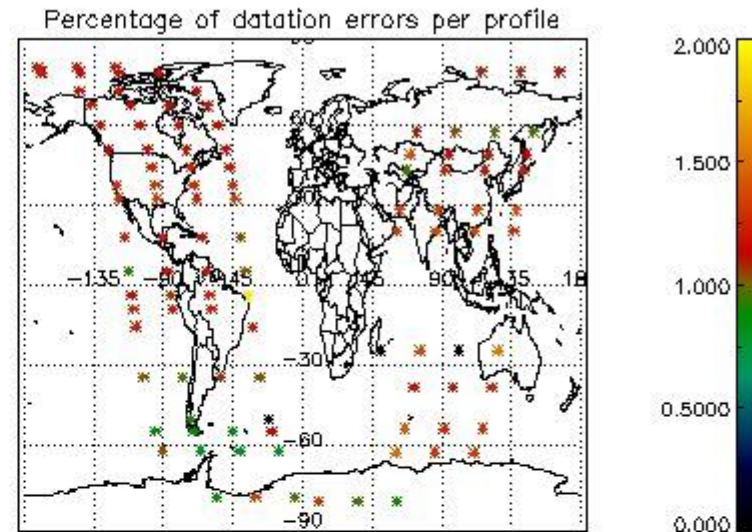
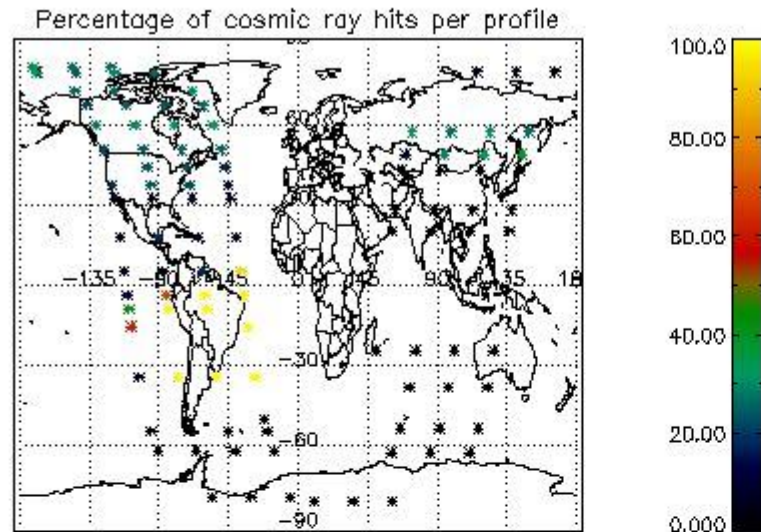
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	38.3178 %
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)



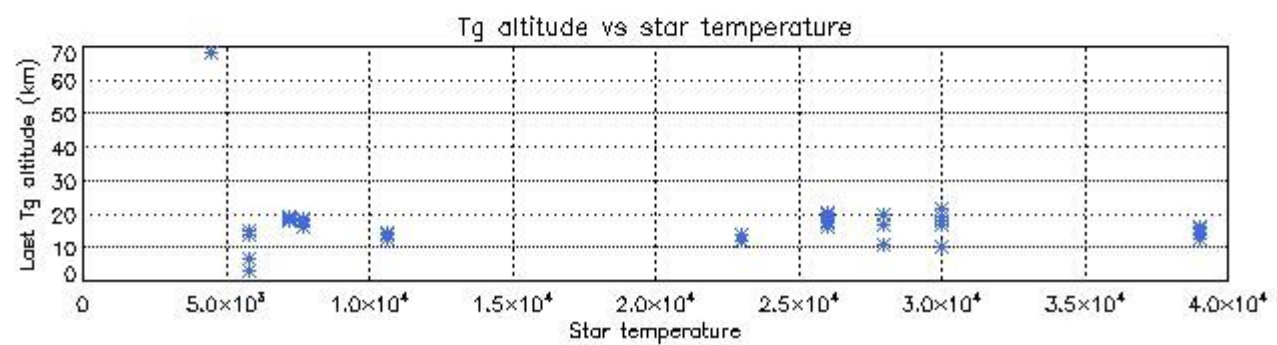
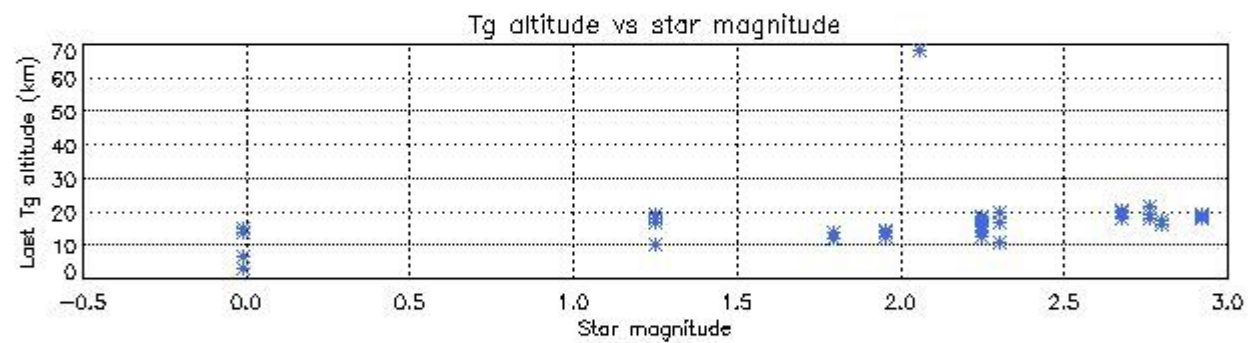
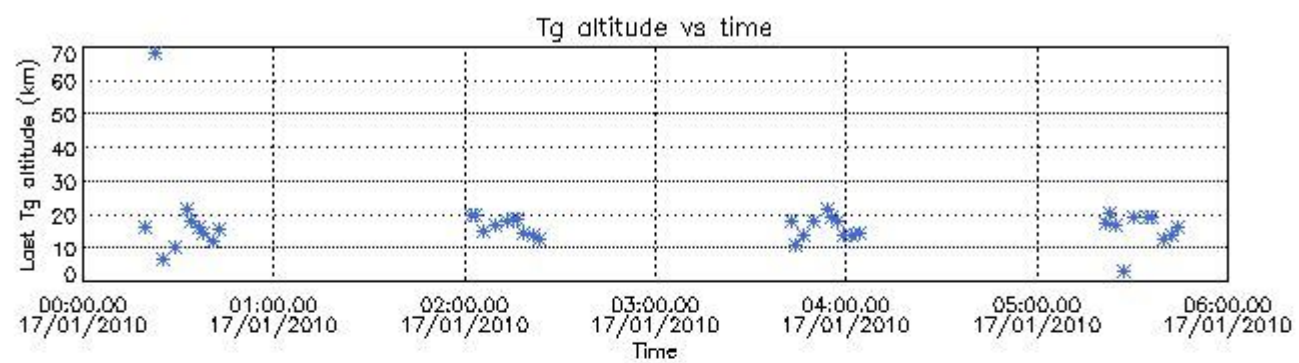
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	17.113	14.112	NaN
St. deviation:	9.1903	7.3260	NaN
Maximum:	68.502	29.269	NaN
Minimum:	3.0909	3.7402	NaN
Number of data:	40.000	45.000	NaN

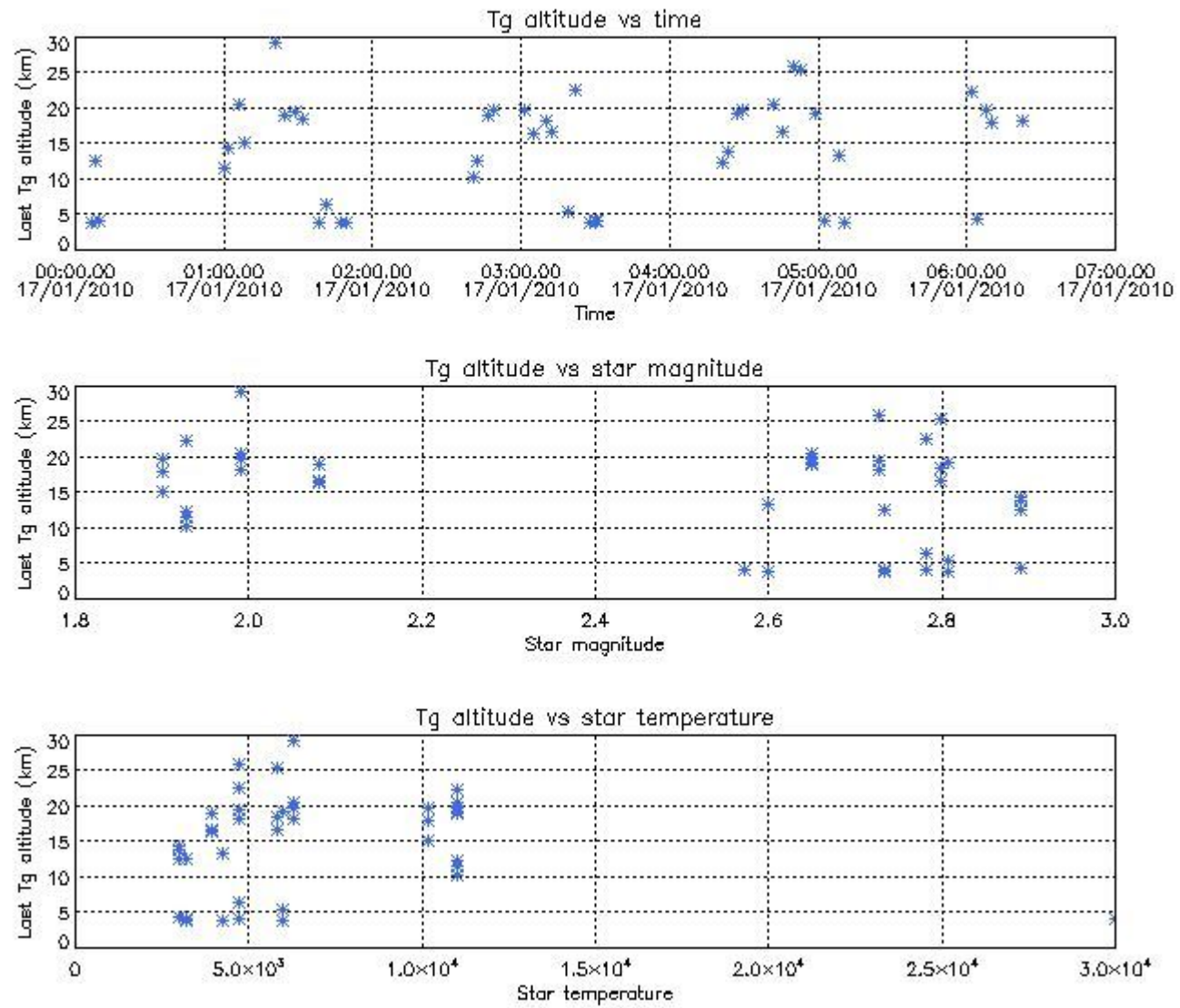
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

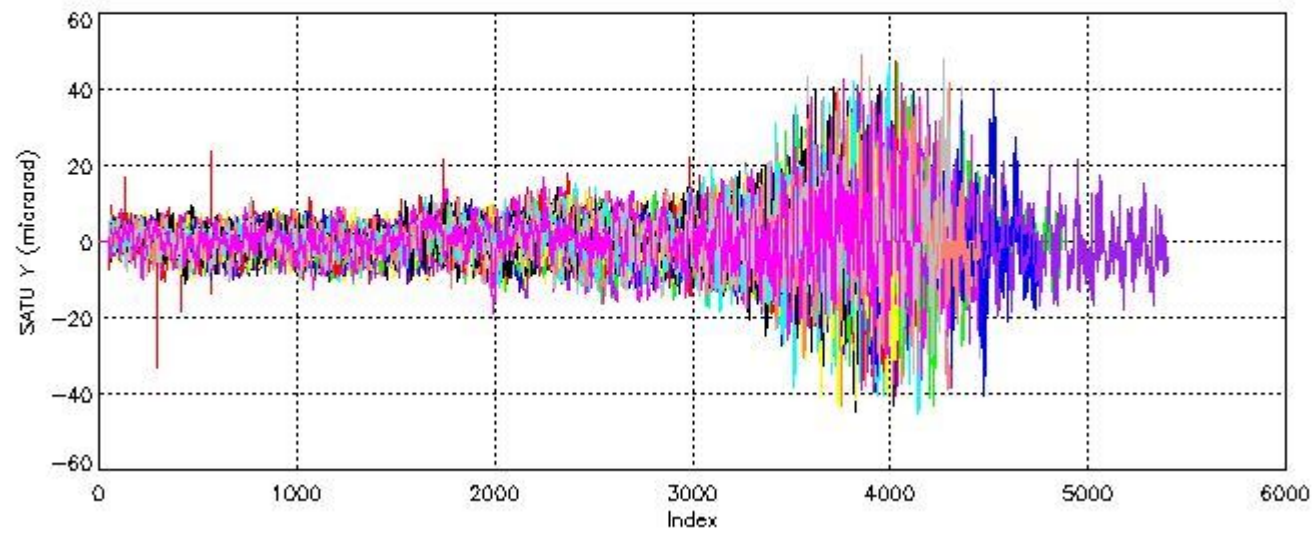
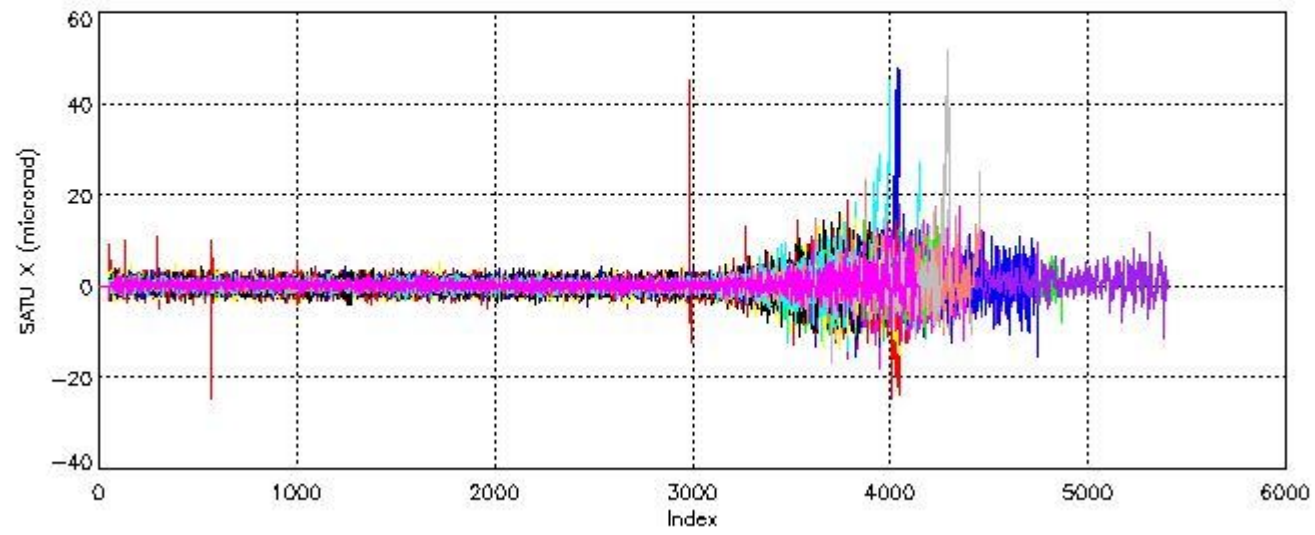


7. Star Acquisition and Tracking Unit (SATU)

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:	0.16876	0.12117	0.087596	-0.055649
St. deviation:	0.72328	2.7099	0.63640	2.8787
Maximum:	11.000	23.700	4.2000	12.000
Minimum:	-24.800	-33.300	-4.1000	-12.600

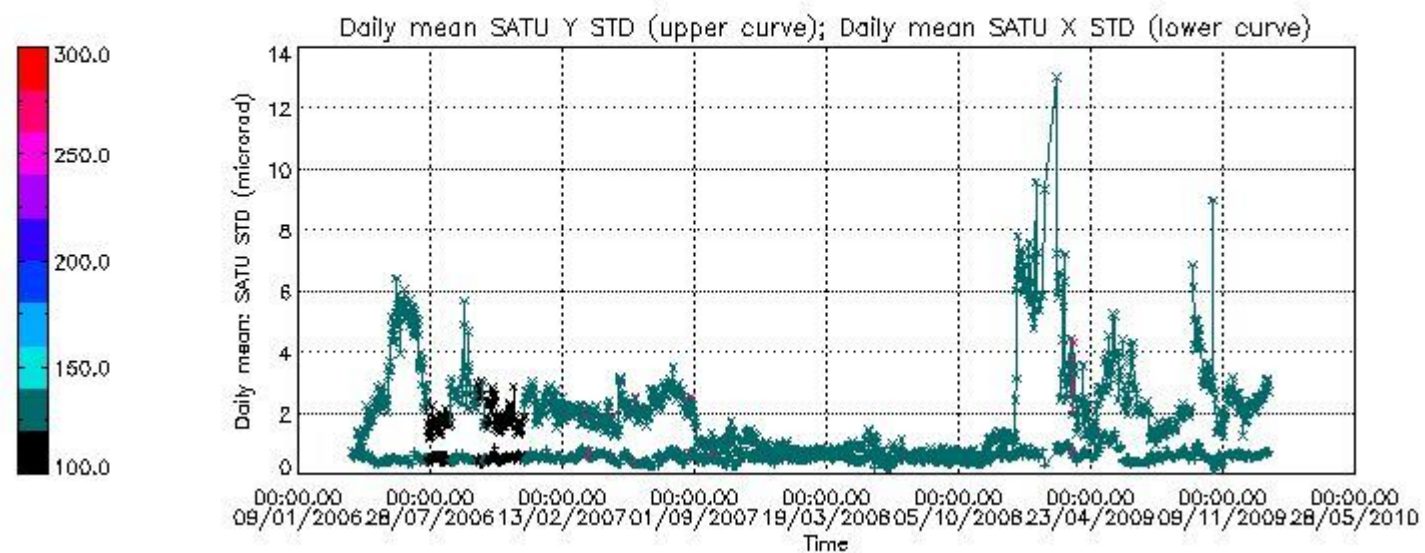
Number of data:	36850.	36850.	39500.	39500.
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7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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.

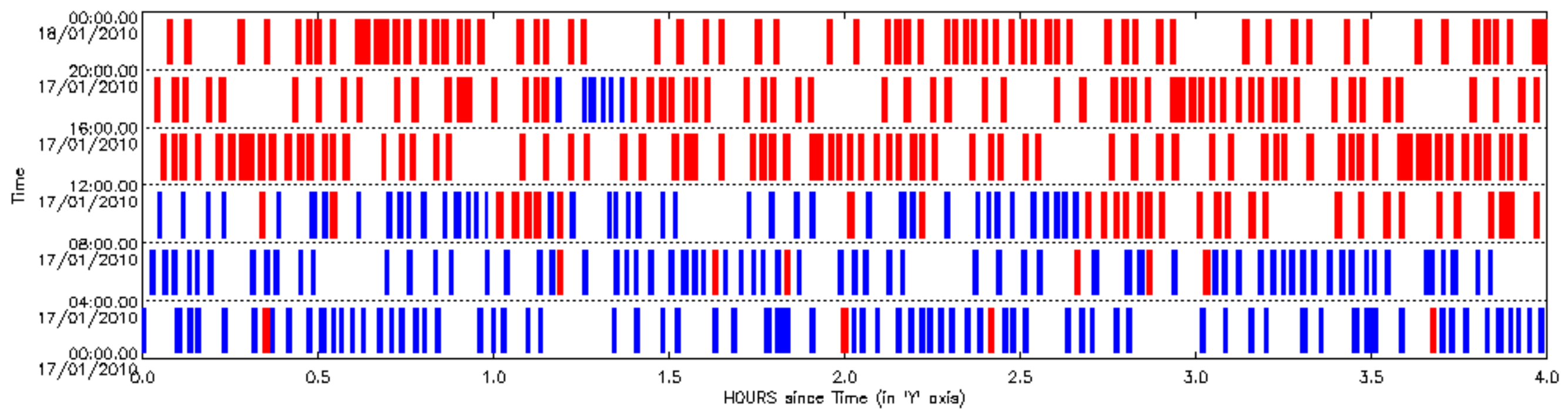
Upper curve: STD of SATU Y axis
Lower curve: STD of SATU X axis

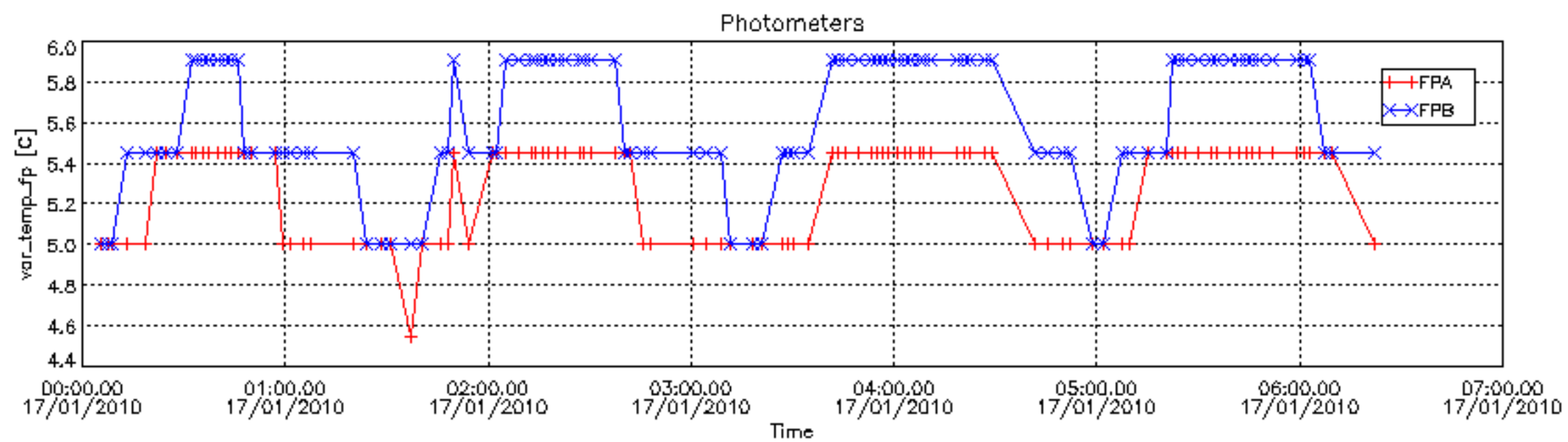
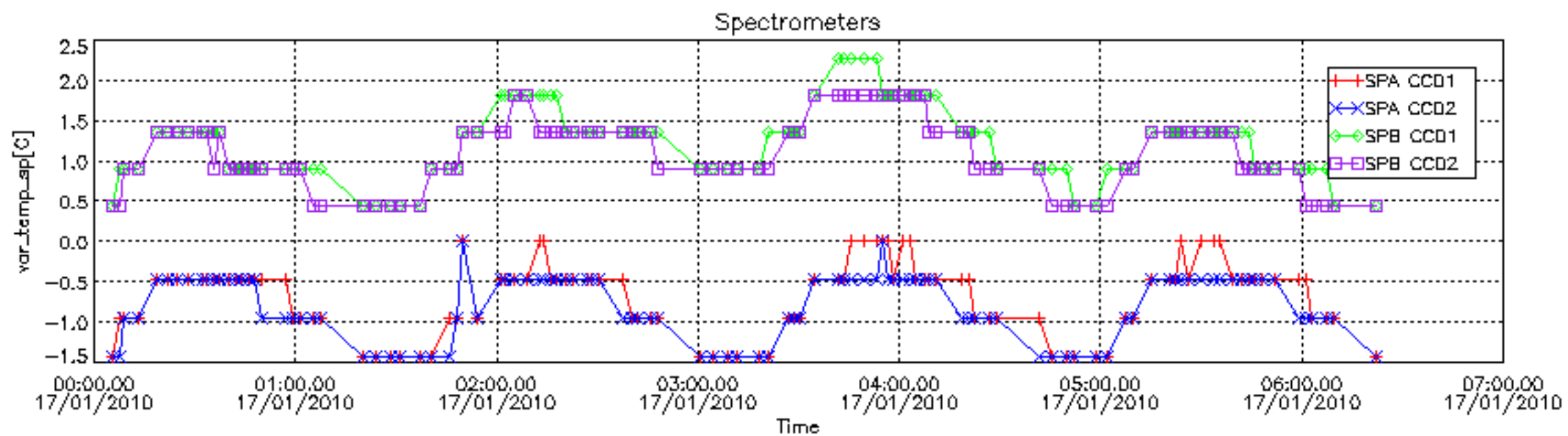


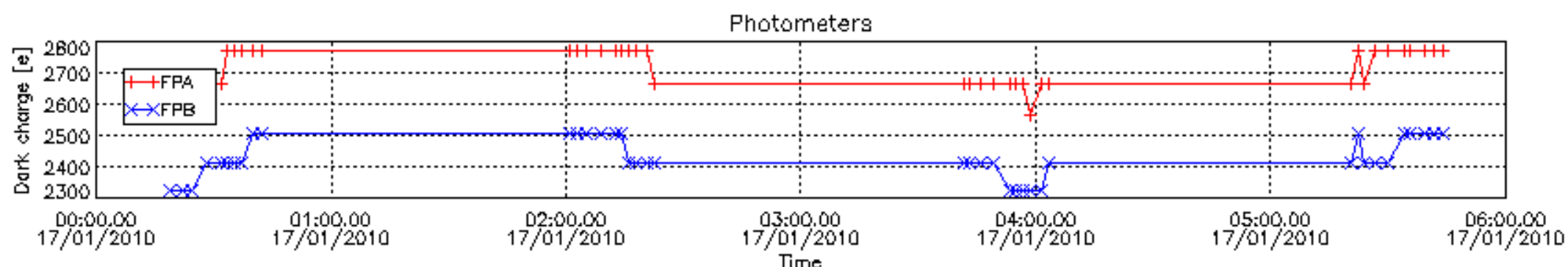
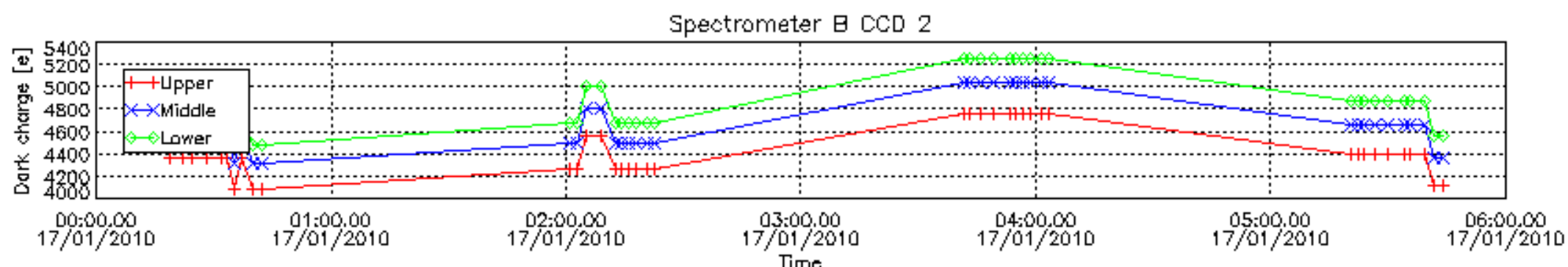
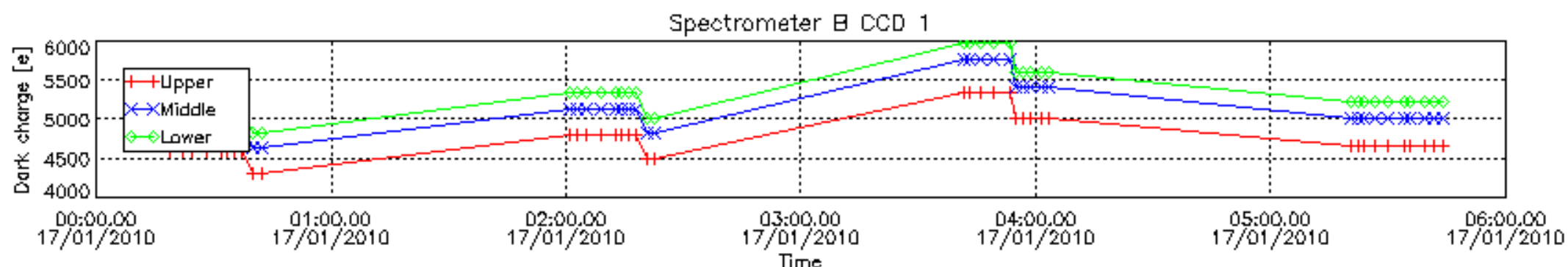
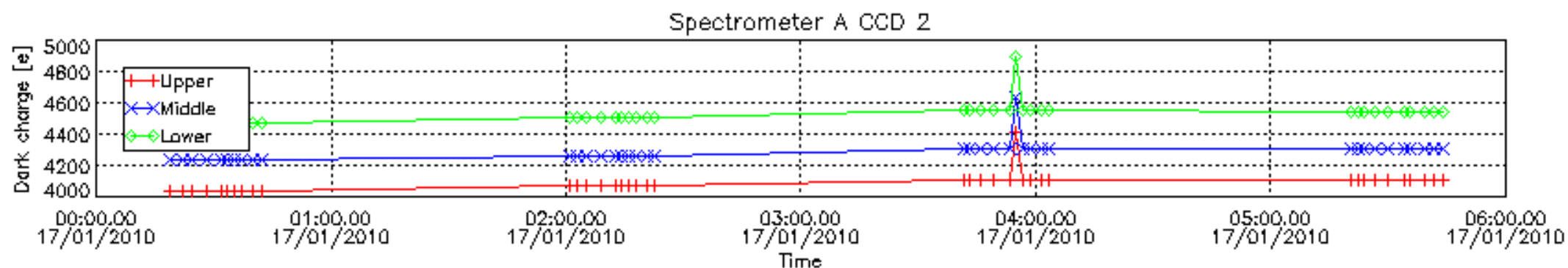
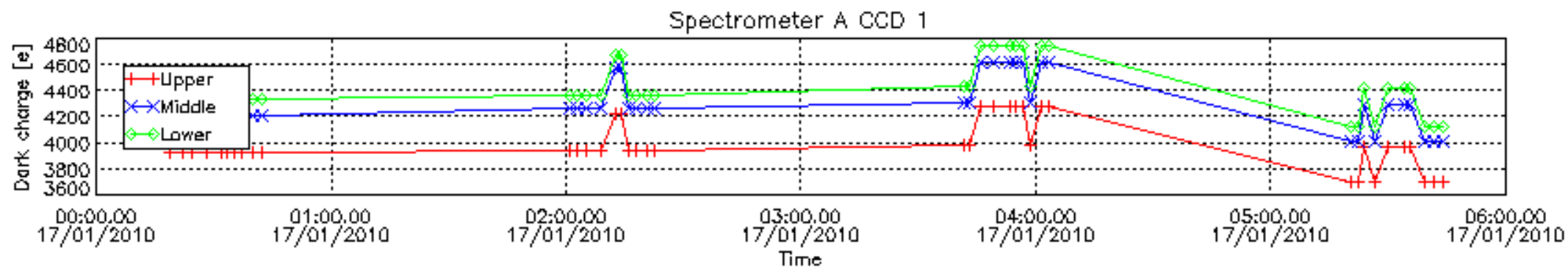
8. Auxiliary Data Files used for the production reported in section 2.4

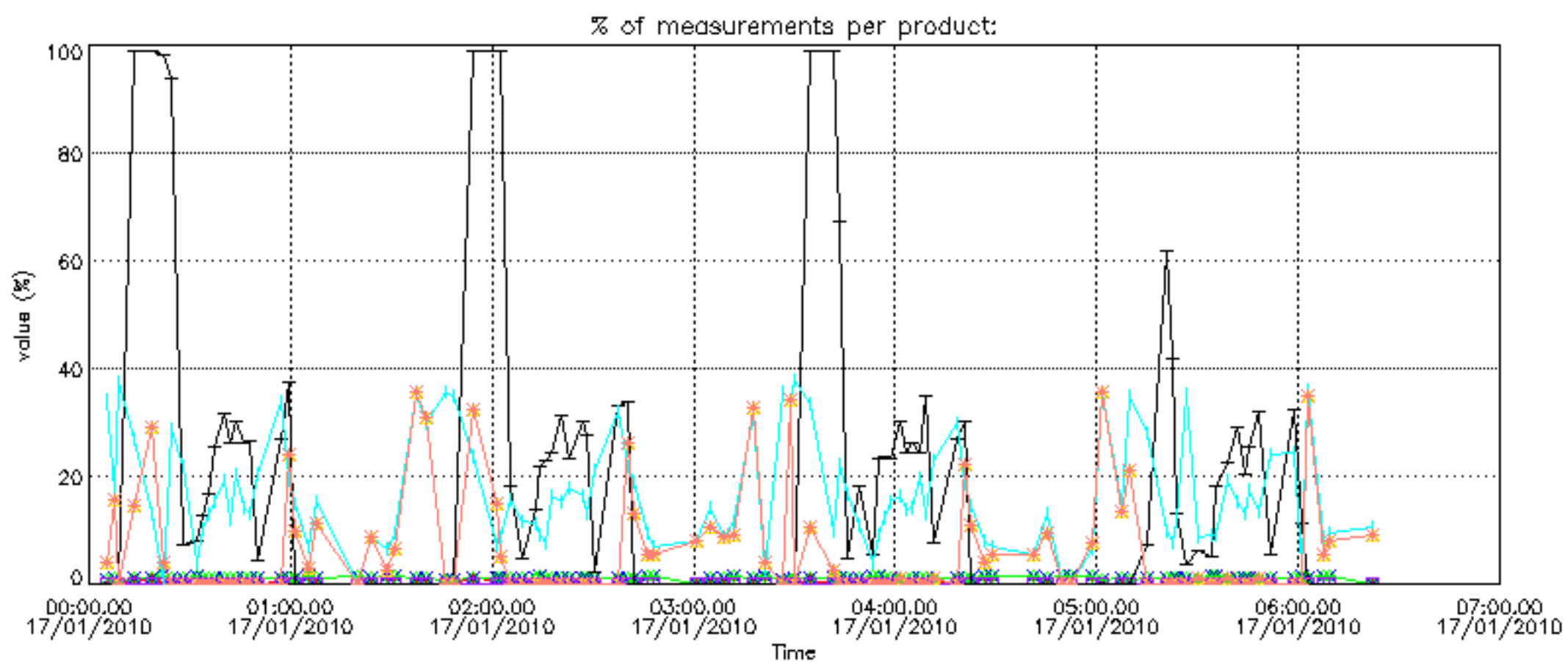
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	17-JAN-2010 00:05:32
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100112_145459_20100110_000000_20500101_000000	1	17-JAN-2010 00:05:32
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	17-JAN-2010 00:05:32
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	17-JAN-2010 00:05:32
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	17-JAN-2010 00:05:32
ECMWF_FILE	AUX_ECF_AXNECM20100116_062111_20100116_210000_20100117_090000	1	17-JAN-2010 00:05:32
ECMWF_FILE	AUX_ECF_AXNECM20100116_182056_20100117_030000_20100117_150000	53	17-JAN-2010 03:04:41
OPTIONAL_ECMWF_FILE	MISSING	1	17-JAN-2010 00:05:32
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100116_222920_000057382086_00072_41208_9582.N1	1	17-JAN-2010 00:05:32
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100117_001017_000054192086_00073_41209_9583.N1	4	17-JAN-2010 00:13:26
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100117_014555_000041442086_00074_41210_9584.N1	32	17-JAN-2010 01:49:34
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100117_030018_000057382086_00075_41211_9585.N1	53	17-JAN-2010 03:04:41
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100115_230448_20100115_195256_20100125_211908	82	17-JAN-2010 04:45:17

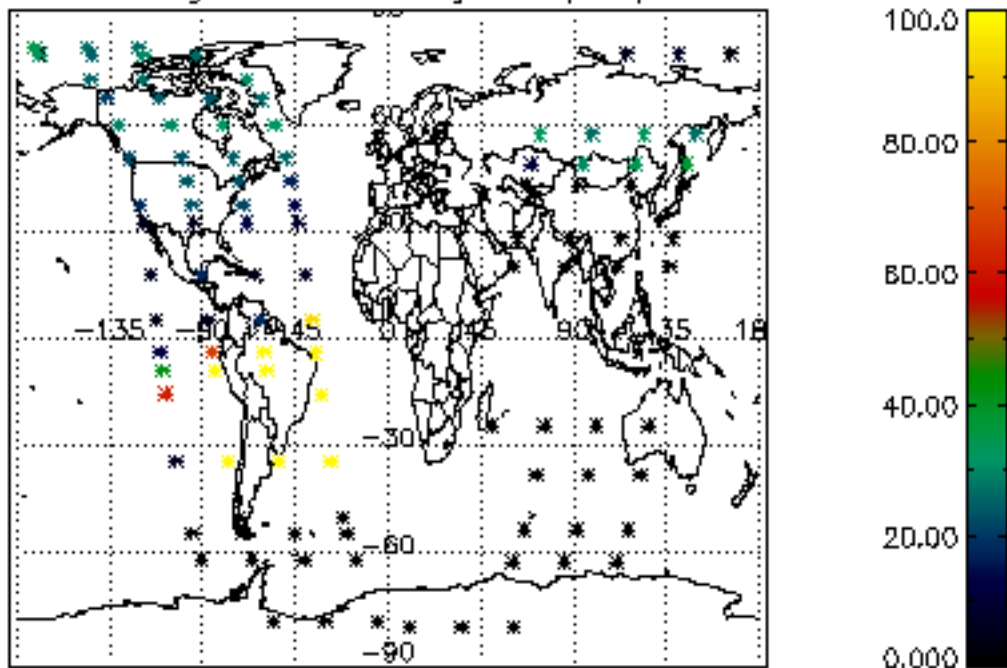




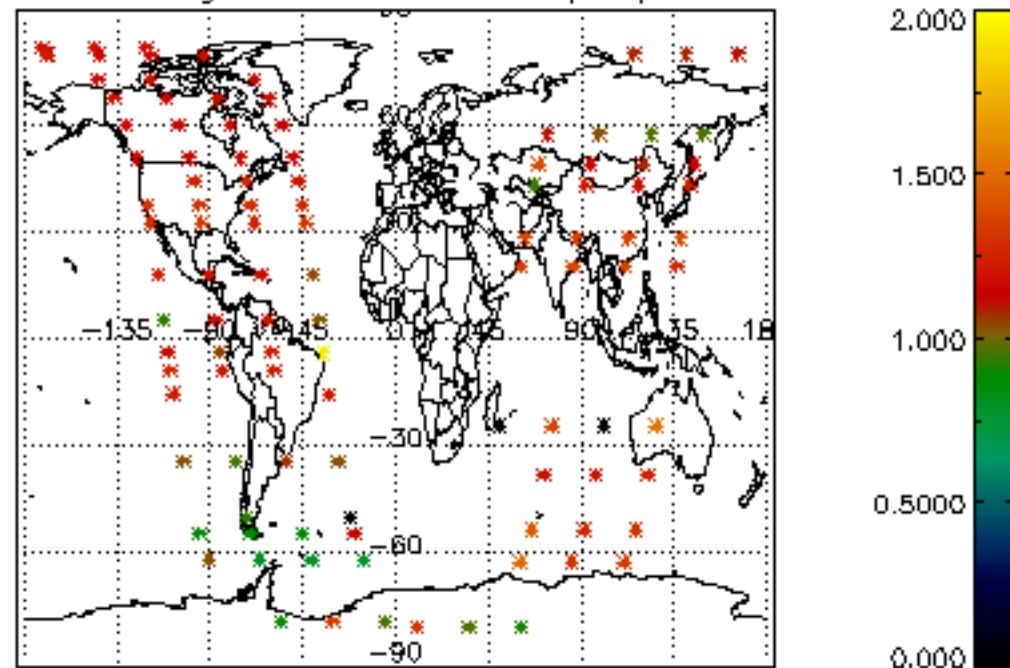




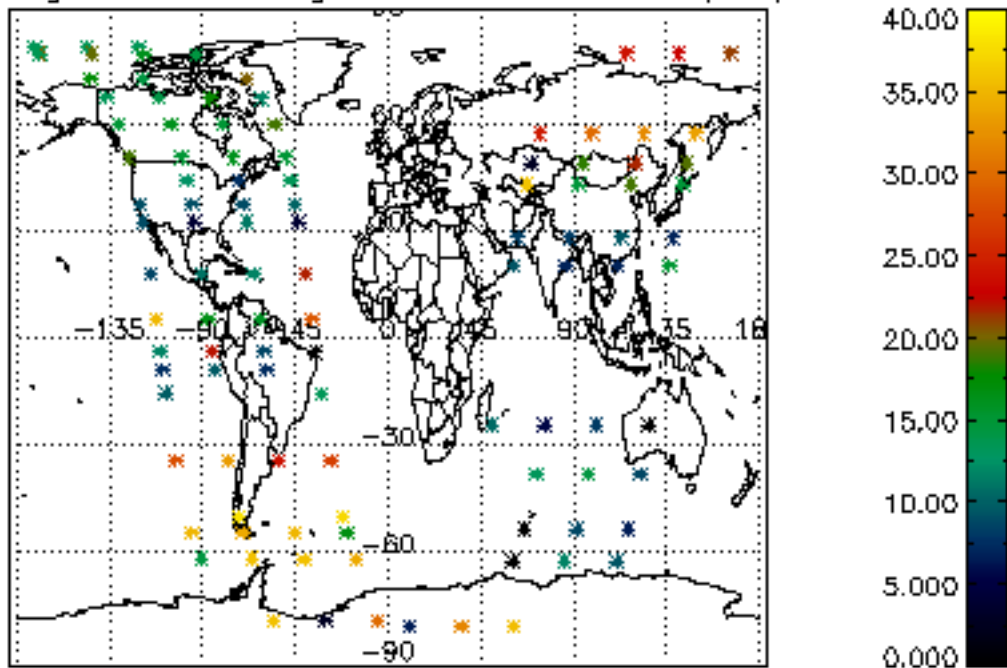
Percentage of cosmic ray hits per profile



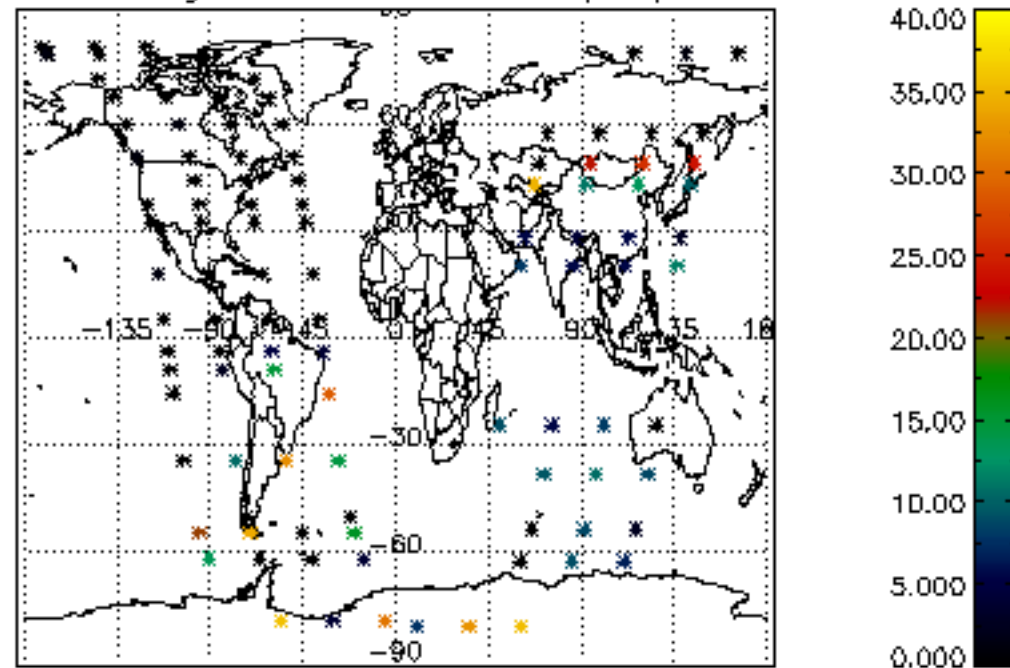
Percentage of datation errors per profile



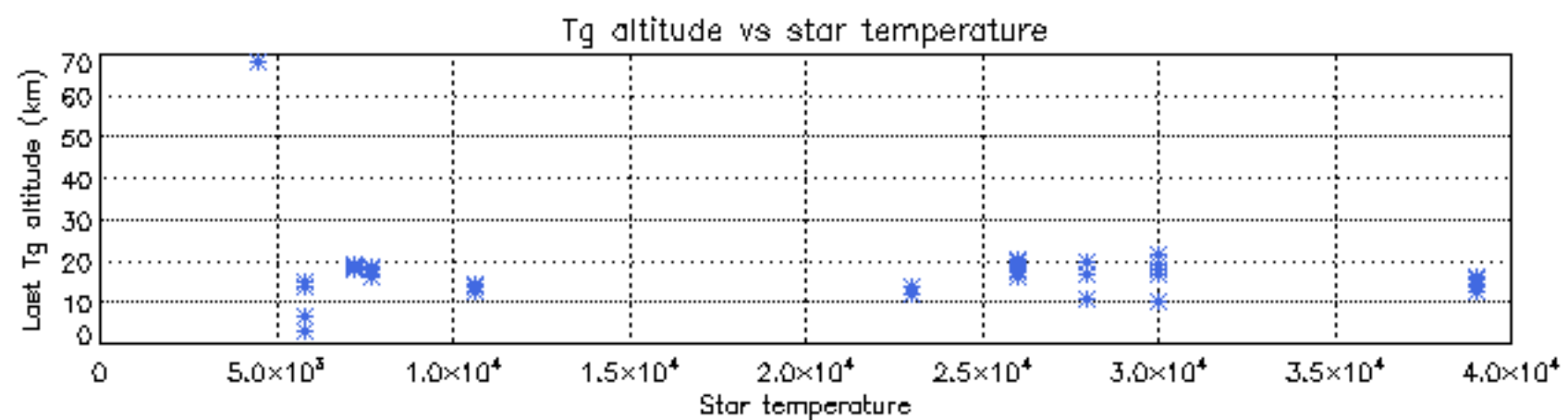
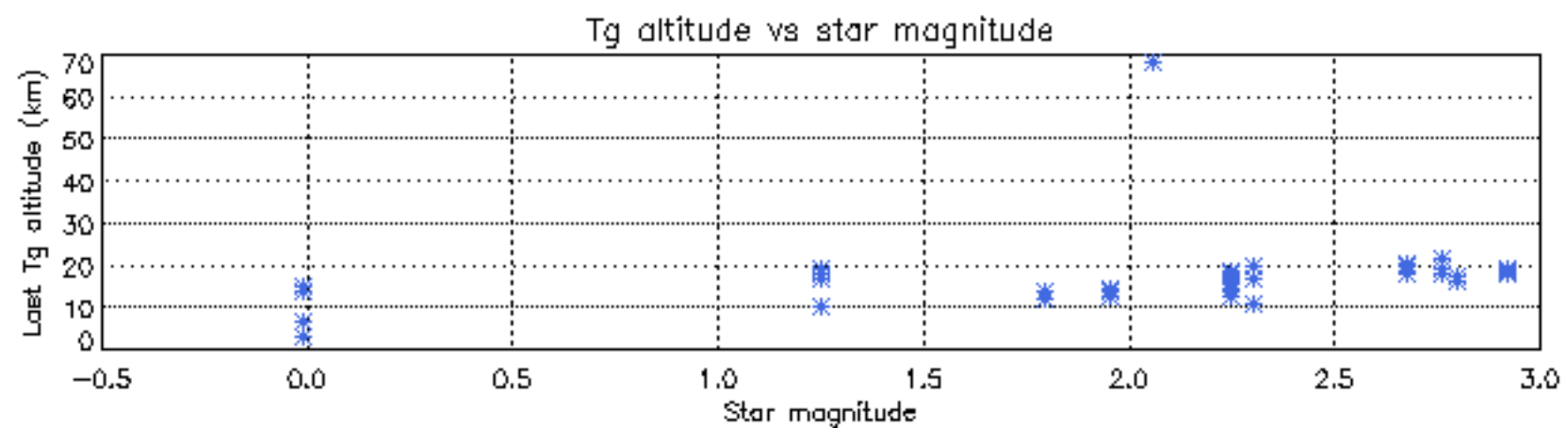
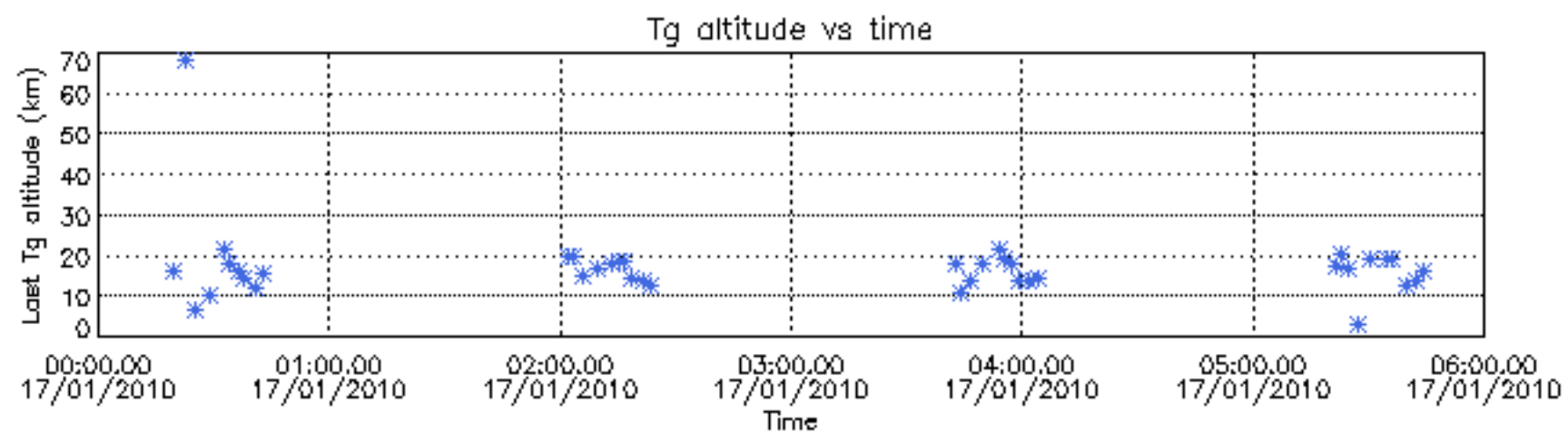
Percentage of star falling outside central band per profile



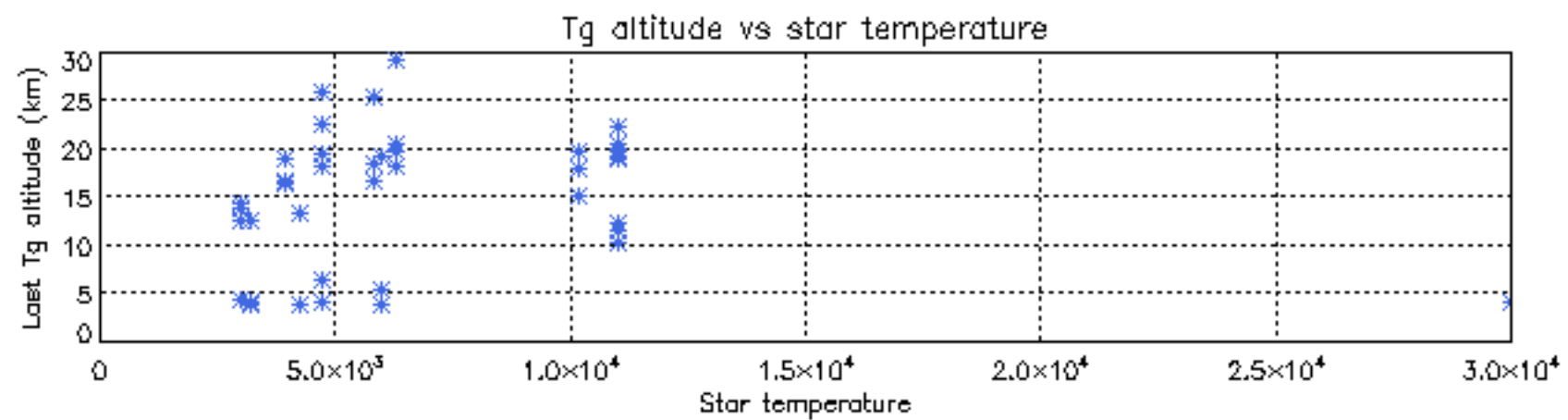
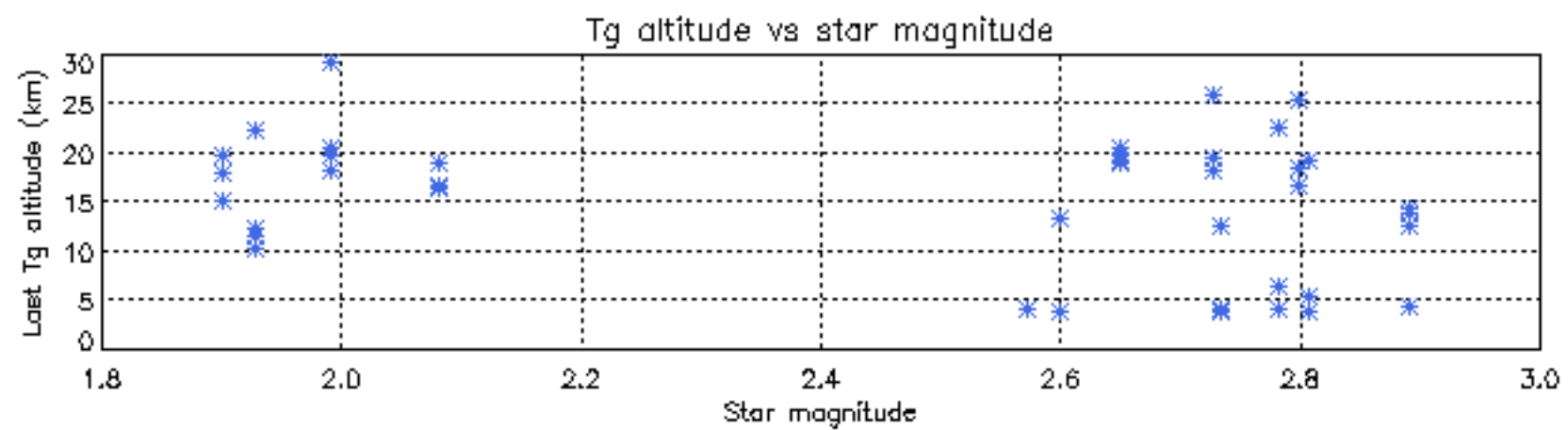
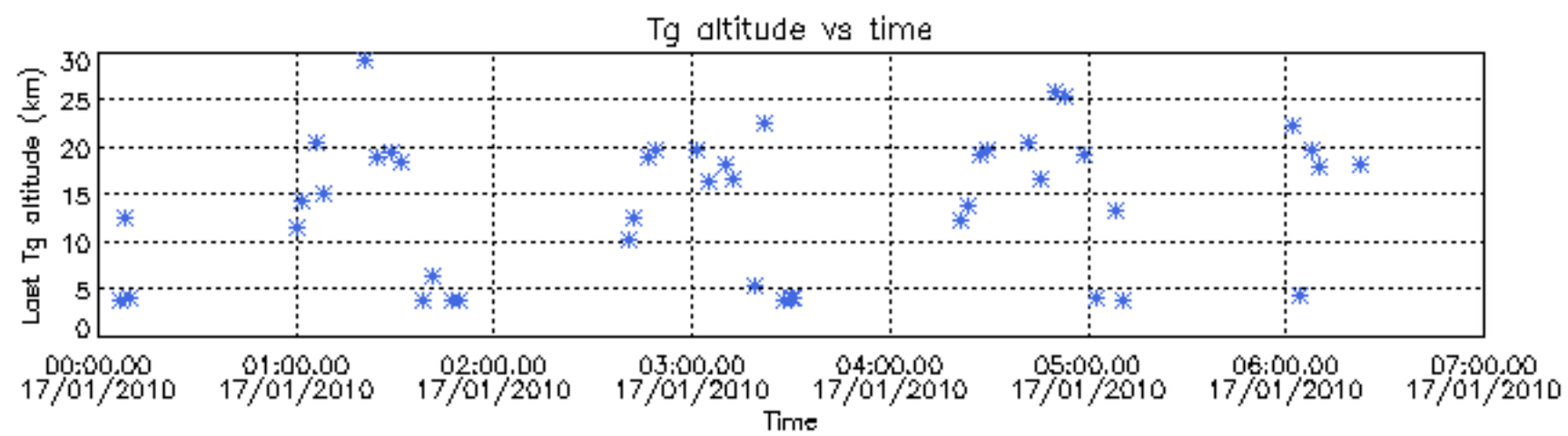
Percentage of saturation errors per profile

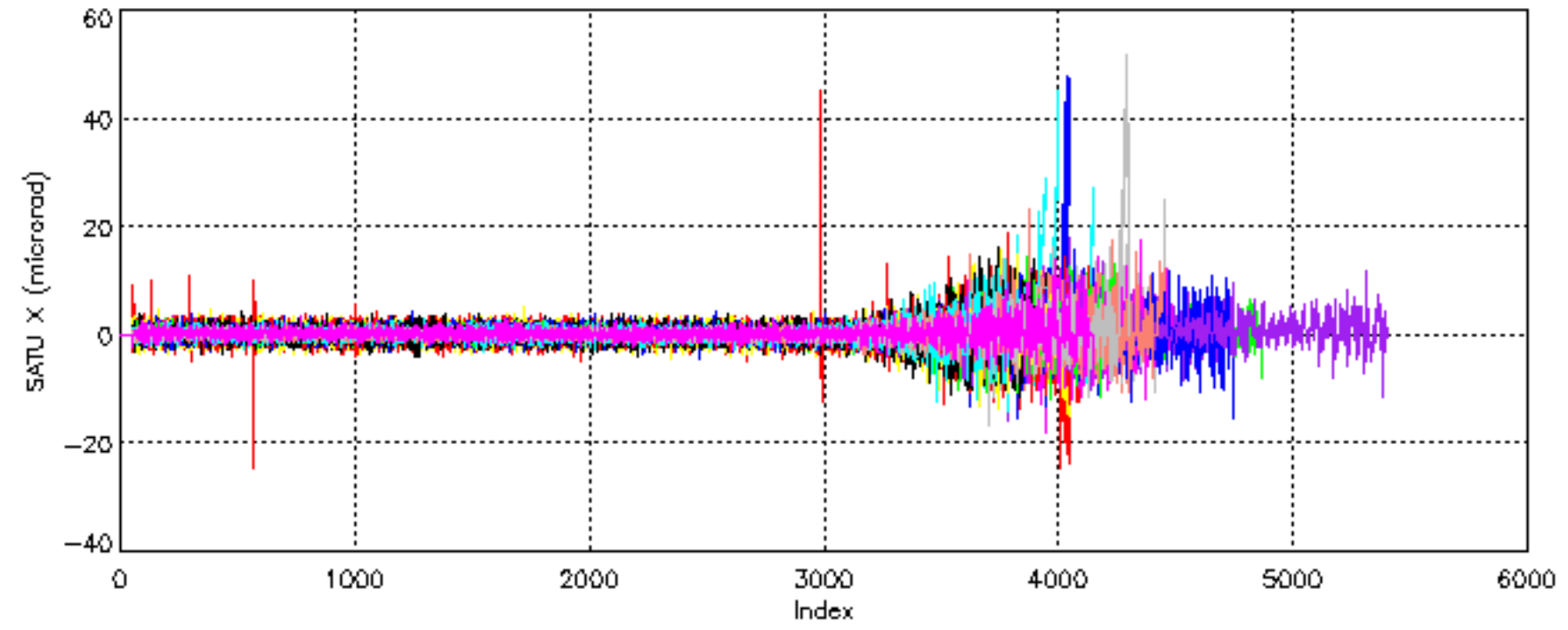


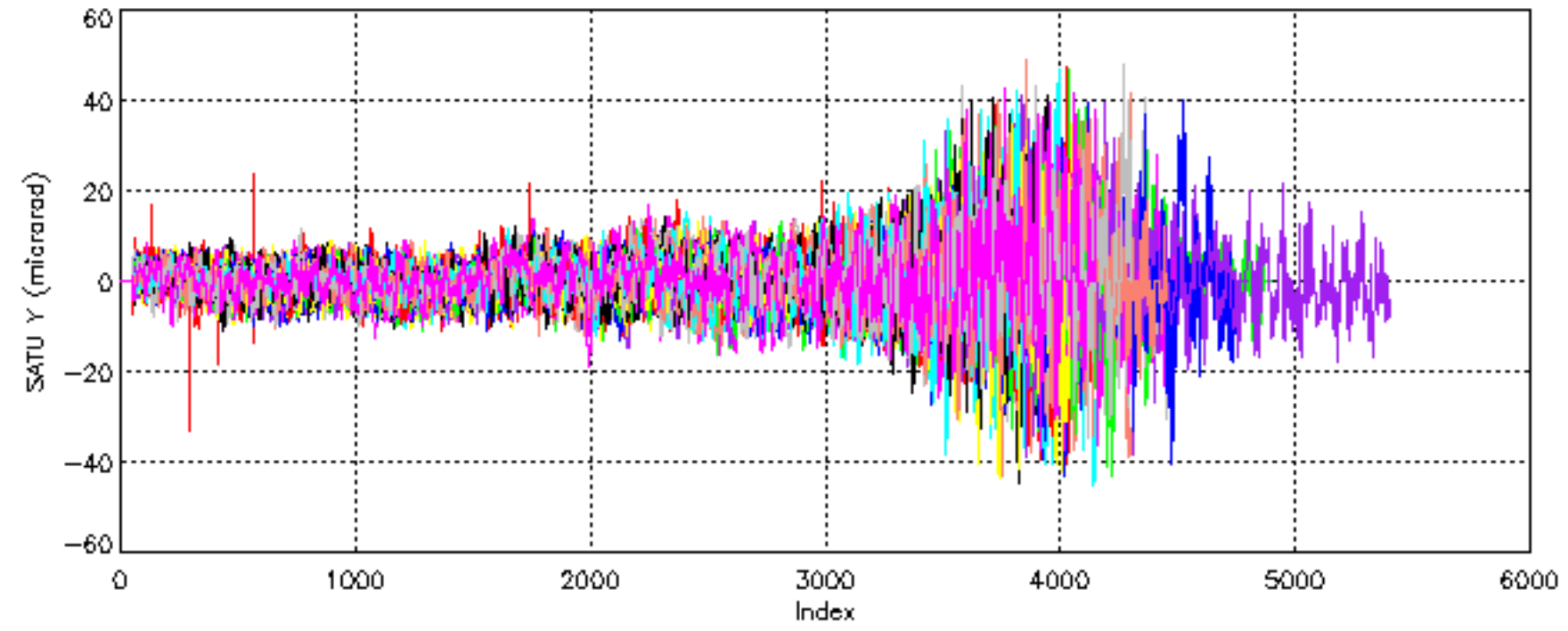
Tangent altitude at which the star is lost

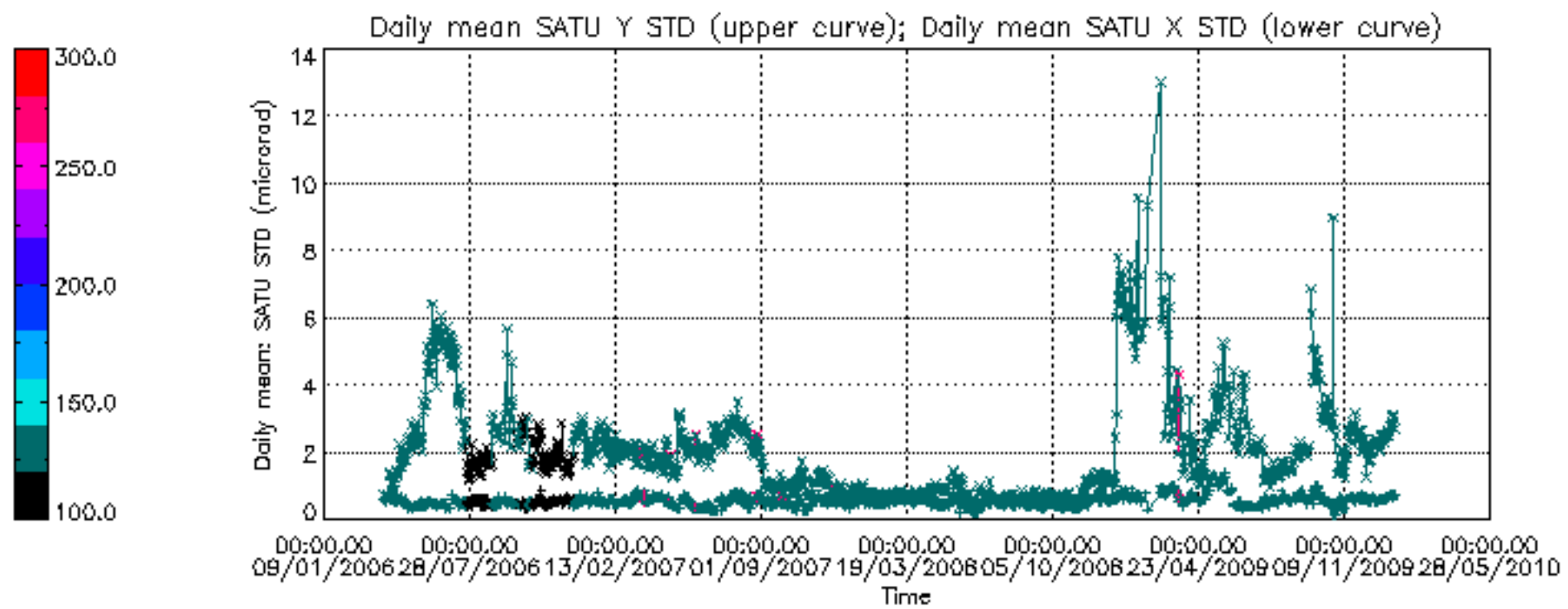


Tangent altitude at which the star is lost









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1; -682.4; 01-JAN-2010 00:14:36; Dark ; 43.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 86; 0;40980
 2; -269.4; 01-JAN-2010 00:21:29; Dark ; 44.0; 54; 5The Cen ; 2.06; 4500;occ; 88; 0;40980
 3; -103.6; 01-JAN-2010 00:24:15; Dark ; 40.5; 95; Zet Cen ; 2.55; 26000;occ; 81; 0;40980
 4; 1.0; 01-JAN-2010 00:26:00; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;40981
 5; 106.3; 01-JAN-2010 00:27:45; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;40981
 6; 209.9; 01-JAN-2010 00:29:28; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40981
 7; 476.2; 01-JAN-2010 00:33:55; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40981
 8; 630.5; 01-JAN-2010 00:36:29; Dark ; 49.0; 71; Iot Car ; 2.25; 7700;occ; 98; 0;40981
 9; 727.5; 01-JAN-2010 00:38:06; Dark ; 51.5; 41; Eps Car ; 1.86; 4100;occ; 103; 0;40981
 10; 916.1; 01-JAN-2010 00:41:15; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;40981
 11; 1047.9; 01-JAN-2010 00:43:26; Dark ; 45.0; 70; Zet Pup ; 2.25; 39000;occ; 90; 0;40981
 12; 1172.3; 01-JAN-2010 00:45:31; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;40981
 13; 1340.4; 01-JAN-2010 00:48:19; Dark ; 45.5; 23; 21Eps CMA ; 1.50; 26000;occ; 91; 0;40981
 14; 1433.2; 01-JAN-2010 00:49:52; Dark ; 44.0; 179; 240mi2CMA ; 3.03; 24000;occ; 88; 0;40981
 15; 1581.4; 01-JAN-2010 00:52:20; Dark ; 45.0; 1; 9Alp CMA ; -1.44; 11000;occ; 90; 0;40981
 16; 1730.7; 01-JAN-2010 00:54:49; Dark ; 36.0; 56; 53Kap Ori ; 2.07; 30000;occ; 72; 0;40981
 17; 1881.4; 01-JAN-2010 00:57:20; Dark ; 41.5; 30; 46Eps Ori ; 1.69; 30000;occ; 83; 0;40981
 18; 2032.7; 01-JAN-2010 00:59:51; Dark ; 55.0; 14; 58Alp Ori ; 0.87; 3000;occ; 110; 0;40981
 19; 2229.2; 01-JAN-2010 01:03:08; Dark ; 53.0; 44; 24Gam Gem ; 1.93; 11000;occ; 106; 0;40981
 20; 2327.3; 01-JAN-2010 01:04:46; Bright; 44.0; 151; 13Mu Gem ; 2.89; 3000;occ; 88; 0;40981
 21; 2566.8; 01-JAN-2010 01:08:45; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;40981
 22; 2692.3; 01-JAN-2010 01:10:51; Bright; 42.0; 6; 13Alp Aur ; 0.08; 3400;occ; 84; 0;40981
 23; 3691.0; 01-JAN-2010 01:27:30; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;40981
 24; 3911.7; 01-JAN-2010 01:31:10; Bright; 50.5; 32; 77Eps UMa ; 1.76; 11000;occ; 101; 0;40981
 25; 4108.8; 01-JAN-2010 01:34:27; Bright; 66.0; 39; 85Eta UMa ; 1.85; 24000;occ; 132; 0;40981
 26; 4353.0; 01-JAN-2010 01:38:32; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;40981
 27; 4574.5; 01-JAN-2010 01:42:13; Bright; 62.0; 83; ; 2.38; 11000;occ; 124; 0;40981
 28; 4770.9; 01-JAN-2010 01:45:29; Bright; 53.5; 3; 16Alp Boo ; -0.05; 4250;occ; 107; 0;40981
 29; 5194.3; 01-JAN-2010 01:52:33; Bright; 55.5; 104; 27Bet Lib ; 2.61; 13100;occ; 111; 0;40981

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 2; -681.9; 01-JAN-2010 01:55:13; Dark ; 43.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 87; 0;40981
 3; -268.9; 01-JAN-2010 02:02:06; Dark ; 54.0; 54; 5The Cen ; 2.06; 4500;occ; 108; 0;40981
 4; -102.9; 01-JAN-2010 02:04:52; Dark ; 39.5; 95; Zet Cen ; 2.55; 26000;occ; 79; 0;40981
 5; 1.6; 01-JAN-2010 02:06:36; Dark ; 39.5; 77; Eps Cen ; 2.30; 28000;occ; 79; 0;40982
 6; 107.0; 01-JAN-2010 02:08:22; Dark ; 44.0; 64; Gam Cen ; 2.20; 10600;occ; 88; 0;40982
 7; 210.8; 01-JAN-2010 02:10:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40982
 8; 477.2; 01-JAN-2010 02:14:32; Dark ; 48.0; 113; Mu Vel ; 2.69; 5000;occ; 96; 0;40982
 9; 631.0; 01-JAN-2010 02:17:05; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40982
 10; 745.4; 01-JAN-2010 02:19:00; Dark ; 46.0; 46; Del Vel ; 1.95; 10600;occ; 92; 0;40982
 11; 916.7; 01-JAN-2010 02:21:51; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;40982
 12; 1048.4; 01-JAN-2010 02:24:03; Dark ; 48.5; 70; Zet Pup ; 2.25; 39000;occ; 97; 0;40982
 13; 1172.7; 01-JAN-2010 02:26:07; Dark ; 48.0; 117; Pi Pup ; 2.71; 3800;occ; 96; 0;40982
 14; 1340.9; 01-JAN-2010 02:28:55; Dark ; 46.5; 23; 21Eps CMA ; 1.50; 26000;occ; 93; 0;40982
 15; 1433.4; 01-JAN-2010 02:30:28; Dark ; 45.0; 179; 240mi2CMA ; 3.03; 24000;occ; 90; 0;40982
 16; 1581.5; 01-JAN-2010 02:32:56; Dark ; 39.5; 1; 9Alp CMA ; -1.44; 11000;occ; 79; 0;40982
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 18; 1881.3; 01-JAN-2010 02:37:56; Dark ; 41.5; 30; 46Eps Ori ; 1.69; 30000;occ; 83; 0;40982
 19; 2032.7; 01-JAN-2010 02:40:27; Dark ; 50.5; 14; 58Alp Ori ; 0.87; 3000;occ; 101; 0;40982
 20; 2228.8; 01-JAN-2010 02:43:43; Dark ; 50.0; 44; 24Gam Gem ; 1.93; 11000;occ; 100; 0;40982
 21; 2327.1; 01-JAN-2010 02:45:22; Bright; 46.5; 151; 13Mu Gem ; 2.89; 3000;occ; 93; 0;40982
 22; 2566.5; 01-JAN-2010 02:49:21; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;40982
 23; 2692.2; 01-JAN-2010 02:51:27; Bright; 42.5; 6; 13Alp Aur ; 0.08; 3400;occ; 85; 0;40982
 24; 3690.9; 01-JAN-2010 03:08:05; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;40982

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1; -2124.7; 01-JAN-2010 03:11:46; Bright; 52.0; 32; 77Eps UMa ; 1.76; 11000;occ; 104; 0;40982
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 4; -1461.4; 01-JAN-2010 03:22:49; Bright; 42.0; 83; ; 2.38; 11000;occ; 84; 0;40982
 5; -1264.5; 01-JAN-2010 03:26:06; Bright; 53.5; 3; 16Alp Boo ; -0.05; 4250;occ; 107; 0;40982
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 7; -841.1; 01-JAN-2010 03:33:09; Bright; 45.0; 104; 27Bet Lib ; 2.61; 13100;occ; 90; 0;40982
 8; -681.3; 01-JAN-2010 03:35:49; Dark ; 44.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 89; 0;40982
 9; -267.8; 01-JAN-2010 03:42:43; Dark ; 47.5; 54; 5The Cen ; 2.06; 4500;occ; 95; 0;40982
 10; -102.3; 01-JAN-2010 03:45:28; Dark ; 38.5; 95; Zet Cen ; 2.55; 26000;occ; 77; 0;40982
 11; 2.3; 01-JAN-2010 03:47:13; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;40983
 12; 108.1; 01-JAN-2010 03:48:59; Dark ; 46.0; 64; Gam Cen ; 2.20; 10600;occ; 92; 0;40983

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13; 211.7; 01-JAN-2010 03:50:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40983
14; 478.3; 01-JAN-2010 03:55:09; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40983
15; 631.6; 01-JAN-2010 03:57:42; Dark ; 45.0; 71; Iot Car ; 2.25; 7700;occ; 90; 0;40983
16; 746.1; 01-JAN-2010 03:59:37; Dark ; 41.0; 46; Del Vel ; 1.95; 10600;occ; 82; 0;40983
17; 917.5; 01-JAN-2010 04:02:28; Dark ; 43.0; 34; Gam2Vel ; 1.79; 23000;occ; 86; 0;40983
18; 1049.0; 01-JAN-2010 04:04:39; Dark ; 47.0; 70; Zet Pup ; 2.25; 39000;occ; 94; 0;40983
19; 1173.4; 01-JAN-2010 04:06:44; Dark ; 48.0; 117; Pi Pup ; 2.71; 3800;occ; 96; 0;40983
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17; 4782.6; 02-JAN-2010 21:21:15; Bright; 56.0; 3; 16Alp Boo ; -0.05; 4250;occ; 112; 0;41007
18; 4898.7; 02-JAN-2010 21:23:12; Bright; 36.0; 102; 24Alp Ser ; 2.60; 4250;occ; 72; 0;41007
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9;	930.5;	02-JAN-2010	23:38:15;	Dark	;	46.5;	34;	Gam2Vel	;	1.79;	23000;occ;	93;	0;41009
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11;	1182.5;	02-JAN-2010	23:42:27;	Dark	;	46.0;	117;	Pi Pup	;	2.71;	3800;occ;	92;	0;41009
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13;	1439.7;	02-JAN-2010	23:46:44;	Dark	;	44.5;	179;	240mi2CMA	;	3.03;	24000;occ;	89;	0;41009
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21;	3899.8;	03-JAN-2010	00:27:45;	Bright;	;	49.0;	32;	77Eps UMA	;	1.76;	11000;occ;	98;	0;41009
22;	4103.0;	03-JAN-2010	00:31:08;	Bright;	;	45.5;	39;	85Eta UMA	;	1.85;	24000;occ;	91;	0;41009
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2;	-2131.5;	02-JAN-2010	06:01:14;	Bright;	;	44.0;	32;	77Eps UMA	;	1.76;	11000;occ;	88;	0;40998
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4;	-1682.5;	02-JAN-2010	06:08:43;	Bright;	;	63.0;	180;	27Gam Boo	;	3.04;	8000;occ;	126;	0;40998
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7;	-1139.7;	02-JAN-2010	06:17:46;	Bright;	;	49.0;	102;	24Alp Ser	;	2.60;	4250;occ;	98;	0;40998
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11;	-92.2;	02-JAN-2010	06:35:13;	Dark	;	40.0;	95;	Zet Cen	;	2.55;	26000;occ;	80;	0;40998
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6;	2562.7;	02-JAN-2010	07:19:28;	Bright;	;	38.5;	107;	37The Aur	;	2.65;	11000;occ;	77;	0;40999
7;	2691.3;	02-JAN-2010	07:21:37;	Bright;	;	42.0;	6;	13Alp Aur	;	0.08;	3400;occ;	84;	0;40999
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 27; 7479.7; 04-JAN-2010 09:18:47; Dark ; 43.5; 179; 24Omi2CMA ; 3.03; 24000;occ; 87; 0;41028
 28; 7623.2; 04-JAN-2010 09:21:11; Dark ; 49.5; 1; 9Alp CMa ; -1.44; 11000;occ; 99; 0;41028

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23; 6976.7; 04-JAN-2010 10:51:00; Dark ; 43.0; 34; Gam2Vel ; 1.79; 23000;occ; 86; 0;41029
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26; 7389.4; 04-JAN-2010 10:57:53; Dark ; 44.5; 23; 21Eps CMa ; 1.50; 26000;occ; 89; 0;41029
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23; 7108.3; 04-JAN-2010 12:33:48; Dark ; 46.5; 70; Zet Pup ; 2.25; 39000;occ; 93; 0;41030
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6; 2689.4; 04-JAN-2010 13:00:44; Bright; 38.0; 42; 34Bet Aur ; 1.90; 10200;occ; 76; 0;41031
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8; 3954.8; 04-JAN-2010 13:21:50; Bright; 47.0; 55; 79Zet UMa ; 2.06; 10200;occ; 94; 0;41031
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 22; 6977.7; 04-JAN-2010 14:12:13; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;41031
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3;	302.6;	07-JAN-2010	22:30:18;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	41080
4;	481.3;	07-JAN-2010	22:33:17;	Dark	;	37.0;	124;	The Car	;	2.76;	30000;occ;	74;	0;	41080
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7;	767.2;	07-JAN-2010	22:38:03;	Dark	;	45.0;	41;	Eps Car	;	1.86;	4100;occ;	90;	0;	41080
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17;	2395.2;	07-JAN-2010	23:05:11;	Bright;		38.5;	28;	12Bet Tau	;	1.65;	15200;occ;	77;	0;	41080
18;	2547.9;	07-JAN-2010	23:07:44;	Bright;		37.5;	107;	37The Aur	;	2.65;	11000;occ;	75;	0;	41080
19;	2680.9;	07-JAN-2010	23:09:57;	Bright;		36.0;	42;	34Bet Aur	;	1.90;	10200;occ;	72;	0;	41080
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21;	3679.6;	07-JAN-2010	23:26:35;	Bright;		39.5;	60;	7Bet UMi	;	2.08;	3950;occ;	79;	0;	41080
22;	3924.5;	07-JAN-2010	23:30:40;	Bright;		38.5;	119;	14Eta Dra	;	2.73;	4700;occ;	77;	0;	41080
23;	4437.5;	07-JAN-2010	23:39:13;	Bright;		33.0;	133;	40Zet Her	;	2.81;	6000;occ;	66;	0;	41080
24;	4565.0;	07-JAN-2010	23:41:21;	Bright;		38.0;	67;	5Alp CrB	;	2.22;	11000;occ;	76;	0;	41080
25;	4923.8;	07-JAN-2010	23:47:20;	Bright;		57.0;	102;	24Alp Ser	;	2.60;	4250;occ;	114;	0;	41080
26;	5057.7;	07-JAN-2010	23:49:33;	Bright;		34.0;	120;	1Del Oph	;	2.73;	3200;occ;	68;	0;	41080
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5;	223.3;	08-JAN-2010	00:09:35;	Dark	;	40.5;	20;	Bet Cru	;	1.25;	30000;occ;	81;	0;	41081
6;	303.5;	08-JAN-2010	00:10:55;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	41081
7;	481.9;	08-JAN-2010	00:13:53;	Dark	;	38.5;	124;	The Car	;	2.76;	30000;occ;	77;	0;	41081
8;	574.7;	08-JAN-2010	00:15:26;	Dark	;	40.0;	159;	Ups Car	;	2.92;	7200;occ;	80;	0;	41081
9;	682.1;	08-JAN-2010	00:17:14;	Dark	;	44.0;	71;	Iot Car	;	2.25;	7700;occ;	88;	0;	41081
10;	767.6;	08-JAN-2010	00:18:39;	Dark	;	46.5;	41;	Eps Car	;	1.86;	4100;occ;	93;	0;	41081
11;	963.8;	08-JAN-2010	00:21:55;	Dark	;	43.0;	34;	Gam2Vel	;	1.79;	23000;occ;	86;	0;	41081
12;	1094.6;	08-JAN-2010	00:24:06;	Dark	;	42.0;	70;	Zet Pup	;	2.25;	39000;occ;	84;	0;	41081
13;	1206.1;	08-JAN-2010	00:25:58;	Dark	;	46.0;	117;	Pi Pup	;	2.71;	3800;occ;	92;	0;	41081
14;	1366.0;	08-JAN-2010	00:28:38;	Dark	;	44.0;	23;	21Eps CMA	;	1.50;	26000;occ;	88;	0;	41081
15;	1454.4;	08-JAN-2010	00:30:06;	Dark	;	42.0;	179;	240mi2CMA	;	3.03;	24000;occ;	84;	0;	41081
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18;	2202.7;	08-JAN-2010	00:42:34;	Dark	;	47.5;	44;	24Gam Gem	;	1.93;	11000;occ;	95;	0;	41081
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21;	2680.7;	08-JAN-2010	00:50:32;	Bright;		38.5;	42;	34Bet Aur	;	1.90;	10200;occ;	77;	0;	41081
22;	3424.1;	08-JAN-2010	01:02:56;	Bright;		33.0;	49;	1Alp UMi	;	1.99;	6300;occ;	66;	0;	41081
23;	4924.4;	08-JAN-2010	01:27:56;	Bright;		57.0;	102;	24Alp Ser	;	2.60;	4250;occ;	114;	0;	41081
24;	5058.1;	08-JAN-2010	01:30:10;	Bright;		52.5;	120;	1Del Oph	;	2.73;	3200;occ;	105;	0;	41081

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2;	2204.9;	07-JAN-2010	07:56:37;	Dark	;	46.0;	44;	24Gam Gem	;	1.93;	11000;occ;	92;	0;	41071
3;	2305.2;	07-JAN-2010	07:58:18;	Bright;		45.5;	151;	13Mu Gem	;	2.89;	3000;occ;	91;	0;	41071
4;	2549.5;	07-JAN-2010	08:02:22;	Bright;		38.0;	107;	37The Aur	;	2.65;	11000;occ;	76;	0;	41071
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6;	3681.0;	07-JAN-2010	08:21:13;	Bright;		34.0;	60;	7Bet UMi	;	2.08;	3950;occ;	68;	0;	41071
7;	3924.6;	07-JAN-2010	08:25:17;	Bright;		39.5;	119;	14Eta Dra	;	2.73;	4700;occ;	79;	0;	41071
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9;	4355.1;	07-JAN-2010	08:32:27;	Bright;		43.5;	180;	27Gam Boo	;	3.04;	8000;occ;	87;	0;	41071
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 9; 4354.8; 07-JAN-2010 10:13:03; Bright; 46.5; 180; 27Gam Boo ; 3.04; 8000;occ; 93; 0;41072
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 9; 4086.8; 07-JAN-2010 11:49:11; Bright; 50.0; 39; 85Eta UMa ; 1.85; 24000;occ; 100; 0;41073
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 11; 4595.4; 07-JAN-2010 11:57:40; Bright; 67.0; 83; ; 2.38; 11000;occ; 134; 0;41073
 12; 4921.4; 07-JAN-2010 12:03:06; Bright; 56.0; 102; 24Alp Ser ; 2.60; 4250;occ; 112; 0;41073
 13; 5241.7; 07-JAN-2010 12:08:26; Dark ; 45.0; 104; 27Bet Lib ; 2.61; 13100;occ; 90; 0;41073
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11; 4595.4; 07-JAN-2010 13:38:15; Bright; 49.0; 83; ; 2.38; 11000;occ; 98; 0;41074
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9; 3924.6; 08-JAN-2010 07:53:40; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;41085
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13; 5059.3; 08-JAN-2010 08:12:35; Bright; 53.0; 120; 1Del Oph ; 2.73; 3200;occ; 106; 0;41085
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 31; 5177.9; 26-JAN-2010 00:26:03; Dark ; 53.5; 120; 1Del Oph ; 2.73; 3200;occ; 107; 0;41338
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 5; -1360.9; 25-JAN-2010 07:31:41; Bright; 60.0; 127; 27Bet Her ; 2.78; 4700;occ; 120; 0;41328
 6; -1264.2; 25-JAN-2010 07:33:17; Bright; 34.5; 59; 55Alp Oph ; 2.08; 8900;occ; 69; 0;41328
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 13; 143.9; 25-JAN-2010 07:56:45; Dark ; 43.5; 4; Alp1Cen ;-0.01; 5800;occ; 87; 0;41329
 14; 236.6; 25-JAN-2010 07:58:18; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;41329
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 3; 2295.5; 25-JAN-2010 08:32:37; Bright; 52.0; 151; 13Mu Gem ; 2.89; 3000;occ; 104; 0;41329

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6; 2677.7; 25-JAN-2010 08:38:59; Bright; 36.5; 42; 34Bet Aur ; 1.90; 10200;occ; 73; 0;41329
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9; 3910.3; 25-JAN-2010 08:59:32; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;41329
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11; 4473.7; 25-JAN-2010 09:08:55; Bright; 58.0; 133; 40Zet Her ; 2.81; 6000;occ; 116; 0;41329
12; 4675.2; 25-JAN-2010 09:12:17; Bright; 60.0; 127; 27Bet Her ; 2.78; 4700;occ; 120; 0;41329
13; 4772.1; 25-JAN-2010 09:13:53; Bright; 53.0; 59; 55Alp Oph ; 2.08; 8900;occ; 106; 0;41329
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17; 5597.6; 25-JAN-2010 09:27:39; Dark ; 42.0; 75; 26Eps Sco ; 2.29; 4250;occ; 84; 0;41329
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24; 6711.9; 25-JAN-2010 09:46:13; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41329
25; 7216.6; 25-JAN-2010 09:54:38; Dark ; 41.5; 70; Zet Pup ; 2.25; 39000;occ; 83; 0;41329
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12; 4899.0; 25-JAN-2010 10:56:36; Bright; 52.0; 126; 60Bet Oph ; 2.77; 4250;occ; 104; 0;41330
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7; 3426.4; 25-JAN-2010 12:12:40; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;41331
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26; 7090.8; 25-JAN-2010 13:13:44; Dark ; 41.5; 34; Gam2Vel ; 1.79; 23000;occ; 83; 0;41331
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25; 6827.4; 25-JAN-2010 14:49:56; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;41332
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28; 7217.7; 25-JAN-2010 14:56:27; Dark ; 41.5; 70; Zet Pup ; 2.25; 39000;occ; 83; 0;41332
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4; 178.6; 29-JAN-2010 22:36:51; Dark ; 41.0; 4; Alp1Cen ; -0.01; 5800;occ; 82; 0;41395
5; 287.3; 29-JAN-2010 22:38:40; Dark ; 44.0; 77; Eps Cen ; 2.30; 28000;occ; 88; 0;41395
6; 454.0; 29-JAN-2010 22:41:26; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;41395
7; 567.4; 29-JAN-2010 22:43:20; Dark ; 47.0; 99; Del Cen ; 2.58; 26000;occ; 94; 0;41395
8; 698.6; 29-JAN-2010 22:45:31; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41395
9; 813.5; 29-JAN-2010 22:47:26; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;41395
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11; 1072.1; 29-JAN-2010 22:51:44; Dark ; 41.5; 34; Gam2Vel ; 1.79; 23000;occ; 83; 0;41395
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21; 4483.0; 29-JAN-2010 23:48:35; Bright; 42.0; 133; 40Zet Her ; 2.81; 6000;occ; 84; 0;41395
22; 4789.1; 29-JAN-2010 23:53:41; Bright; 36.0; 59; 55Alp Oph ; 2.08; 8900;occ; 72; 0;41395
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9; 4299.4; 29-JAN-2010 10:20:44; Bright; 33.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 67; 0;41387
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11; 4787.0; 29-JAN-2010 10:28:52; Bright; 54.0; 59; 55Alp Oph ; 2.08; 8900;occ; 108; 0;41387
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11; 4087.0; 30-JAN-2010 19:49:10; Bright; 40.5; 130; 23Bet Dra ; 2.80; 5800;occ; 81; 0;41407
12; 4302.5; 30-JAN-2010 19:52:46; Bright; 37.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 74; 0;41407
13; 4484.8; 30-JAN-2010 19:55:48; Bright; 43.0; 133; 40Zet Her ; 2.81; 6000;occ; 86; 0;41407
14; 4792.6; 30-JAN-2010 20:00:56; Bright; 36.5; 59; 55Alp Oph ; 2.08; 8900;occ; 73; 0;41407
15; 4920.1; 30-JAN-2010 20:03:03; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;41407
16; 5305.5; 30-JAN-2010 20:09:29; Dark ; 43.5; 86; 35Eta Oph ; 2.43; 10200;occ; 87; 0;41407
17; 5560.7; 30-JAN-2010 20:13:44; Dark ; 49.0; 16; 21Alp Sco ; 1.02; 3000;occ; 98; 0;41407
18; 5906.2; 30-JAN-2010 20:19:30; Dark ; 43.0; 131; Gam Lup ; 2.80; 26000;occ; 86; 0;41407
19; 6037.8; 30-JAN-2010 20:21:41; Dark ; 45.0; 109; Bet Lup ; 2.68; 26000;occ; 90; 0;41407
20; 6131.0; 30-JAN-2010 20:23:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41407
21; 6221.5; 30-JAN-2010 20:24:45; Dark ; 41.5; 4; Alp1Cen ;-0.01; 5800;occ; 83; 0;41407
22; 6333.6; 30-JAN-2010 20:26:37; Dark ; 44.0; 77; Eps Cen ; 2.30; 28000;occ; 88; 0;41407
23; 6497.0; 30-JAN-2010 20:29:20; Dark ; 48.5; 12; Alp1Cru ; 0.77; 30000;occ; 97; 0;41407
24; 6613.9; 30-JAN-2010 20:31:17; Dark ; 46.5; 99; Del Cen ; 2.58; 26000;occ; 93; 0;41407
25; 6738.9; 30-JAN-2010 20:33:22; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41407
26; 6854.0; 30-JAN-2010 20:35:17; Dark ; 44.5; 71; Iot Car ; 2.25; 7700;occ; 89; 0;41407
27; 6959.3; 30-JAN-2010 20:37:03; Dark ; 47.5; 46; Del Vel ; 1.95; 10600;occ; 95; 0;41407
28; 7111.5; 30-JAN-2010 20:39:35; Dark ; 24.0; 34; Gam2Vel ; 1.79; 23000;occ; 48; 0;41407

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