

# GOMOS Daily Report 11-SEP-2008

## Level 0 and Level 1 products

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

Item	Value
Time of report generation	13SEP2008 05:43:11
Data source version	GOMOS/5.00
Start time of products	11SEP2008 00:08:13
Stop time of products	11SEP2008 04:53:10
Store outputs in DB	Yes
Nb of level 1b prods	50
Nb of prods with errors	0

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

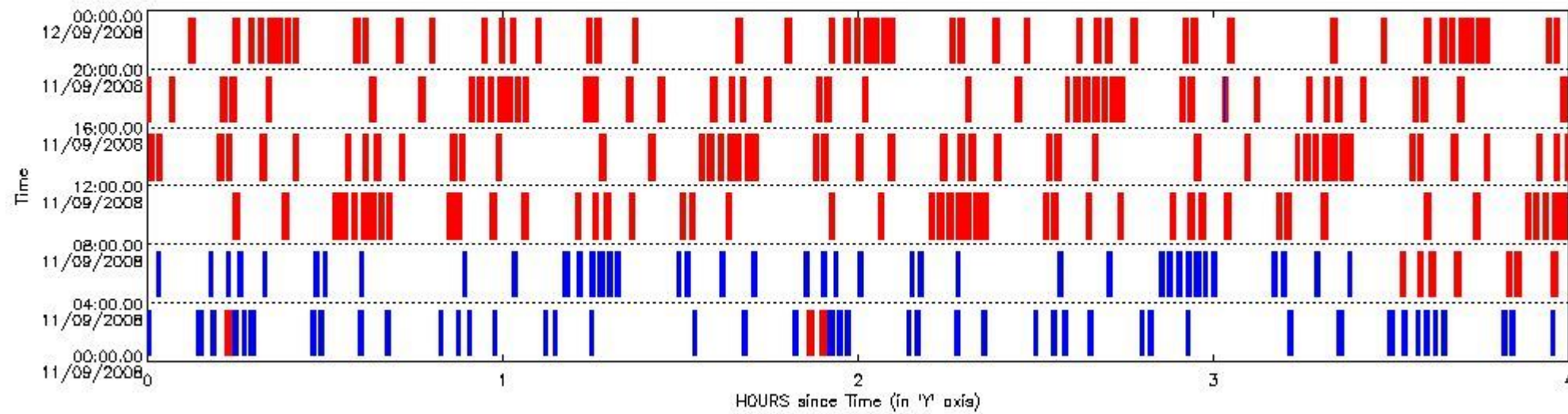
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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
11-SEP-2008 00:12:53	1ZetCMa	177	34152
11-SEP-2008 01:51:18	21EpsCMa	23	34153
11-SEP-2008 01:53:30	1ZetCMa	177	34153
11-SEP-2008 07:31:30	34AlpAqr	162	34157
11-SEP-2008 07:34:29	8EpsPeg	61	34157
11-SEP-2008 07:36:24	54AlpPeg	90	34157
11-SEP-2008 07:40:38	44EtaPeg	164	34157
11-SEP-2008 07:49:20	5AlpCep	89	34157
11-SEP-2008 07:50:48	11BetCas	74	34157
11-SEP-2008 07:57:03	1AlpUMi	49	34157
11-SEP-2008 08:14:24	66AlpGem	24	34157
11-SEP-2008 08:22:43	10AlpCMi	8	34157
11-SEP-2008 08:31:19	9AlpCMa	1	34157
11-SEP-2008 08:32:41	25DelCMa	37	34157
11-SEP-2008 08:34:24	ZetPup	70	34157

11-SEP-2008 08:35:57	1ZetCMa	177	34157
11-SEP-2008 08:37:21	DSA1059	0	34157
11-SEP-2008 08:38:56	TauPup	161	34157
11-SEP-2008 08:40:13	AlpCar	2	34157
11-SEP-2008 08:50:35	AlpHyi	143	34158
11-SEP-2008 08:51:58	AlpEri	9	34158
11-SEP-2008 08:57:48	AlpPhe	84	34158
11-SEP-2008 09:03:14	24AlpPsA	18	34158
11-SEP-2008 09:12:06	34AlpAqr	162	34158
11-SEP-2008 09:15:06	8EpsPeg	61	34158
11-SEP-2008 09:16:59	54AlpPeg	90	34158
11-SEP-2008 09:21:13	44EtaPeg	164	34158
11-SEP-2008 09:29:56	5AlpCep	89	34158
11-SEP-2008 09:31:24	11BetCas	74	34158
11-SEP-2008 09:37:39	1AlpUMi	49	34158
11-SEP-2008 09:55:00	66AlpGem	24	34158
11-SEP-2008 10:03:19	10AlpCMi	8	34158
11-SEP-2008 10:11:56	9AlpCMa	1	34158
11-SEP-2008 10:13:18	25DelCMa	37	34158
11-SEP-2008 10:15:00	ZetPup	70	34158
11-SEP-2008 10:16:34	1ZetCMa	177	34158
11-SEP-2008 10:17:58	DSA1059	0	34158
11-SEP-2008 10:19:33	TauPup	161	34158
11-SEP-2008 10:20:49	AlpCar	2	34158
11-SEP-2008 10:31:11	AlpHyi	143	34159
11-SEP-2008 10:32:35	AlpEri	9	34159
11-SEP-2008 10:38:24	AlpPhe	84	34159
11-SEP-2008 10:43:50	24AlpPsA	18	34159
11-SEP-2008 10:52:42	34AlpAqr	162	34159
11-SEP-2008 10:55:42	8EpsPeg	61	34159
11-SEP-2008 10:57:35	54AlpPeg	90	34159
11-SEP-2008 11:01:49	44EtaPeg	164	34159
11-SEP-2008 11:10:32	5AlpCep	89	34159
11-SEP-2008 11:11:59	11BetCas	74	34159
11-SEP-2008 11:18:15	1AlpUMi	49	34159
11-SEP-2008 11:35:36	66AlpGem	24	34159
11-SEP-2008 11:43:56	10AlpCMi	8	34159
11-SEP-2008 11:52:33	9AlpCMa	1	34159
11-SEP-2008 11:53:54	25DelCMa	37	34159
11-SEP-2008 11:55:37	ZetPup	70	34159
11-SEP-2008 11:57:11	1ZetCMa	177	34159
11-SEP-2008 11:58:35	DSA1059	0	34159
11-SEP-2008 12:00:09	TauPup	161	34159
11-SEP-2008 12:01:26	AlpCar	2	34159
11-SEP-2008 12:11:48	AlpHyi	143	34160
11-SEP-2008 12:13:11	AlpEri	9	34160
11-SEP-2008 12:19:00	AlpPhe	84	34160
11-SEP-2008 12:24:26	24AlpPsA	18	34160
11-SEP-2008 12:33:19	34AlpAqr	162	34160
11-SEP-2008 12:36:18	8EpsPeg	61	34160
11-SEP-2008 12:38:11	54AlpPeg	90	34160
11-SEP-2008 12:42:25	44EtaPeg	164	34160
11-SEP-2008 12:51:08	5AlpCep	89	34160
11-SEP-2008 12:52:34	11BetCas	74	34160
11-SEP-2008 12:58:51	1AlpUMi	49	34160
11-SEP-2008 13:16:12	66AlpGem	24	34160
11-SEP-2008 13:24:32	10AlpCMi	8	34160
11-SEP-2008 13:33:10	9AlpCMa	1	34160
11-SEP-2008 13:34:31	25DelCMa	37	34160

11-SEP-2008 13:36:13	ZetPup	70	34160
11-SEP-2008 13:37:48	1ZetCMa	177	34160
11-SEP-2008 13:39:11	DSA1059	0	34160
11-SEP-2008 13:40:46	TauPup	161	34160
11-SEP-2008 13:42:02	AlpCar	2	34160
11-SEP-2008 13:52:24	AlpHyi	143	34161
11-SEP-2008 13:53:48	AlpEri	9	34161
11-SEP-2008 13:59:37	AlpPhe	84	34161
11-SEP-2008 14:05:03	24AlpPsA	18	34161
11-SEP-2008 14:13:55	34AlpAqr	162	34161
11-SEP-2008 14:16:54	8EpsPeg	61	34161
11-SEP-2008 14:18:46	54AlpPeg	90	34161
11-SEP-2008 14:23:00	44EtaPeg	164	34161
11-SEP-2008 14:31:44	5AlpCep	89	34161
11-SEP-2008 14:33:10	11BetCas	74	34161
11-SEP-2008 14:39:27	1AlpUMi	49	34161
11-SEP-2008 14:56:48	66AlpGem	24	34161
11-SEP-2008 15:05:09	10AlpCMi	8	34161
11-SEP-2008 15:13:47	9AlpCMa	1	34161
11-SEP-2008 15:15:08	25DelCMa	37	34161
11-SEP-2008 15:16:49	ZetPup	70	34161
11-SEP-2008 15:18:25	1ZetCMa	177	34161
11-SEP-2008 15:19:48	DSA1059	0	34161
11-SEP-2008 15:21:22	TauPup	161	34161
11-SEP-2008 15:22:39	AlpCar	2	34161
11-SEP-2008 15:33:00	AlpHyi	143	34162
11-SEP-2008 15:34:24	AlpEri	9	34162
11-SEP-2008 15:40:13	AlpPhe	84	34162
11-SEP-2008 15:45:39	24AlpPsA	18	34162
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11-SEP-2008 15:59:22	54AlpPeg	90	34162
11-SEP-2008 16:03:36	44EtaPeg	164	34162
11-SEP-2008 16:12:20	5AlpCep	89	34162
11-SEP-2008 16:13:45	11BetCas	74	34162
11-SEP-2008 16:20:03	1AlpUMi	49	34162
11-SEP-2008 16:37:24	66AlpGem	24	34162
11-SEP-2008 16:45:45	10AlpCMi	8	34162
11-SEP-2008 16:54:24	9AlpCMa	1	34162
11-SEP-2008 16:55:44	25DelCMa	37	34162
11-SEP-2008 16:57:26	ZetPup	70	34162
11-SEP-2008 16:59:02	1ZetCMa	177	34162
11-SEP-2008 17:00:25	DSA1059	0	34162
11-SEP-2008 17:01:58	TauPup	161	34162
11-SEP-2008 17:03:15	AlpCar	2	34162
11-SEP-2008 17:13:37	AlpHyi	143	34163
11-SEP-2008 17:15:01	AlpEri	9	34163
11-SEP-2008 17:20:50	AlpPhe	84	34163
11-SEP-2008 17:26:15	24AlpPsA	18	34163
11-SEP-2008 17:35:07	34AlpAqr	162	34163
11-SEP-2008 17:38:06	8EpsPeg	61	34163
11-SEP-2008 17:39:58	54AlpPeg	90	34163
11-SEP-2008 17:44:12	44EtaPeg	164	34163
11-SEP-2008 17:52:56	5AlpCep	89	34163
11-SEP-2008 17:54:21	11BetCas	74	34163
11-SEP-2008 18:00:39	1AlpUMi	49	34163
11-SEP-2008 18:18:00	66AlpGem	24	34163
11-SEP-2008 18:26:21	10AlpCMi	8	34163
11-SEP-2008 18:35:01	9AlpCMa	1	34163

11-SEP-2008 18:36:21	25DelCMa	37	34163
11-SEP-2008 18:38:02	ZetPup	70	34163
11-SEP-2008 18:39:39	1ZetCMa	177	34163
11-SEP-2008 18:41:02	DSA1059	0	34163
11-SEP-2008 18:42:35	TauPup	161	34163
11-SEP-2008 18:43:52	AlpCar	2	34163
11-SEP-2008 18:54:13	AlpHyi	143	34164
11-SEP-2008 18:55:37	AlpEri	9	34164
11-SEP-2008 19:01:26	AlpPhe	84	34164
11-SEP-2008 19:06:51	24AlpPsA	18	34164
11-SEP-2008 19:15:43	34AlpAqr	162	34164
11-SEP-2008 19:18:42	8EpsPeg	61	34164
11-SEP-2008 19:20:33	54AlpPeg	90	34164
11-SEP-2008 19:24:47	44EtaPeg	164	34164
11-SEP-2008 19:33:32	5AlpCep	89	34164
11-SEP-2008 19:34:56	11BetCas	74	34164
11-SEP-2008 19:41:15	1AlpUMi	49	34164
11-SEP-2008 19:58:37	66AlpGem	24	34164
11-SEP-2008 20:06:58	10AlpCMi	8	34164
11-SEP-2008 20:14:26	15RhoPup	132	34164
11-SEP-2008 20:16:58	25DelCMa	37	34164
11-SEP-2008 20:18:38	ZetPup	70	34164
11-SEP-2008 20:20:16	1ZetCMa	177	34164
11-SEP-2008 20:21:39	DSA1059	0	34164
11-SEP-2008 20:23:11	TauPup	161	34164
11-SEP-2008 20:24:28	AlpCar	2	34164
11-SEP-2008 20:34:50	AlpHyi	143	34165
11-SEP-2008 20:36:14	AlpEri	9	34165
11-SEP-2008 20:42:02	AlpPhe	84	34165
11-SEP-2008 20:47:27	24AlpPsA	18	34165
11-SEP-2008 20:56:19	34AlpAqr	162	34165
11-SEP-2008 20:59:18	8EpsPeg	61	34165
11-SEP-2008 21:01:09	54AlpPeg	90	34165
11-SEP-2008 21:05:23	44EtaPeg	164	34165
11-SEP-2008 21:14:08	5AlpCep	89	34165
11-SEP-2008 21:15:32	11BetCas	74	34165
11-SEP-2008 21:21:51	1AlpUMi	49	34165
11-SEP-2008 21:39:13	66AlpGem	24	34165
11-SEP-2008 21:47:34	10AlpCMi	8	34165
11-SEP-2008 21:55:03	15RhoPup	132	34165
11-SEP-2008 21:57:34	25DelCMa	37	34165
11-SEP-2008 21:59:14	ZetPup	70	34165
11-SEP-2008 22:00:52	1ZetCMa	177	34165
11-SEP-2008 22:02:15	DSA1059	0	34165
11-SEP-2008 22:03:48	TauPup	161	34165
11-SEP-2008 22:05:05	AlpCar	2	34165
11-SEP-2008 22:15:26	AlpHyi	143	34166
11-SEP-2008 22:16:50	AlpEri	9	34166
11-SEP-2008 22:22:39	AlpPhe	84	34166
11-SEP-2008 22:28:03	24AlpPsA	18	34166
11-SEP-2008 22:36:55	34AlpAqr	162	34166
11-SEP-2008 22:39:54	8EpsPeg	61	34166
11-SEP-2008 22:41:45	54AlpPeg	90	34166
11-SEP-2008 22:45:59	44EtaPeg	164	34166
11-SEP-2008 22:54:44	5AlpCep	89	34166
11-SEP-2008 22:56:07	11BetCas	74	34166
11-SEP-2008 23:02:26	1AlpUMi	49	34166
11-SEP-2008 23:19:49	66AlpGem	24	34166
11-SEP-2008 23:28:11	10AlpCMi	8	34166



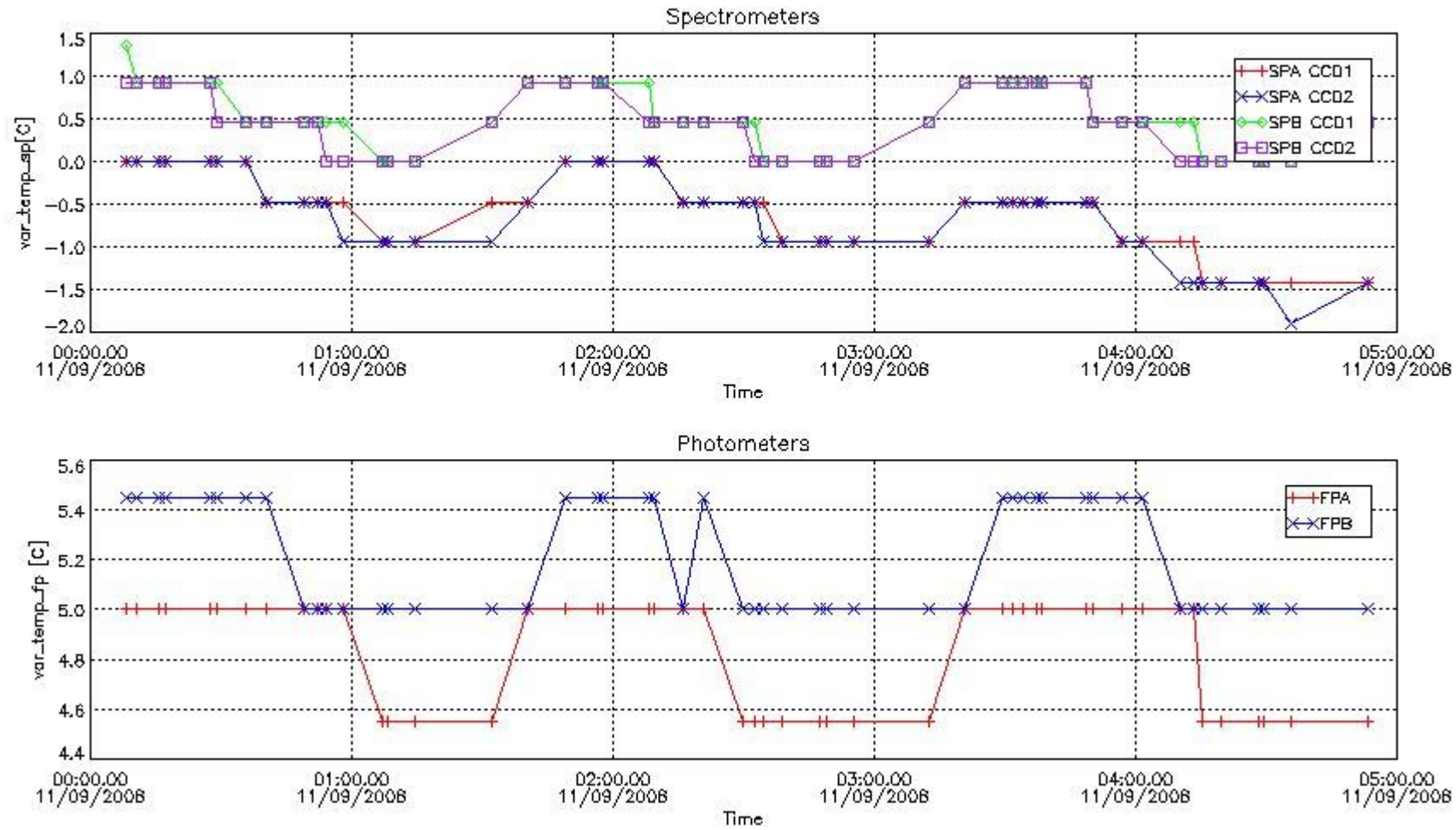
11-SEP-2008 23:35:39	15RhoPup	132	34166
11-SEP-2008 23:38:11	25DeICMa	37	34166
11-SEP-2008 23:39:51	ZetPup	70	34166
11-SEP-2008 23:41:29	1ZetCMa	177	34166
11-SEP-2008 23:42:52	DSA1059	0	34166
11-SEP-2008 23:44:24	TauPup	161	34166
11-SEP-2008 23:45:41	AlpCar	2	34166
11-SEP-2008 23:56:03	AlpHyi	143	34167
11-SEP-2008 23:57:27	AlpEri	9	34167

## 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_1PNPDE20080911_000813_000000582072_00030_34152_8089.N1	11-SEP-2008 00:08:13	Dark	58.000	1	9Alp CMa	-1.4400	11000.	116	34152	No
2	GOM_TRA_1PNPDE20080911_001039_000000472072_00030_34152_8090.N1	11-SEP-2008 00:10:39	Dark	47.000	23	21Eps CMa	1.5020	26000.	94	34152	No
3	GOM_TRA_1PNPDE20080911_001552_000000402072_00030_34152_8091.N1	11-SEP-2008 00:15:52	Dark	40.000	161	Tau Pup	2.9310	4500.0	80	34152	No
4	GOM_TRA_1PNPDE20080911_001708_000000542072_00030_34152_8092.N1	11-SEP-2008 00:17:08	Dark	54.000	2	Alp Car	-0.73600	7000.0	108	34152	No
5	GOM_TRA_1PNPDE20080911_002731_000000392072_00031_34153_8093.N1	11-SEP-2008 00:27:31	Dark	39.000	143	Alp Hyi	2.8570	7200.0	78	34153	No
6	GOM_TRA_1PNPDE20080911_002854_000000462072_00031_34153_8094.N1	11-SEP-2008 00:28:54	Dark	46.000	9	Alp Eri	0.45300	24000.	92	34153	No
7	GOM_TRA_1PNPDE20080911_003536_000000482072_00031_34153_8095.N1	11-SEP-2008 00:35:36	Straylight	48.000	63	Bet Gru	2.1500	2800.0	96	34153	No
8	GOM_TRA_1PNPDE20080911_004011_000000432072_00031_34153_8096.N1	11-SEP-2008 00:40:11	Straylight	43.000	18	24Alp PsA	1.1660	9700.0	86	34153	No
9	GOM_TRA_1PNPDE20080911_004904_000000372072_00031_34153_8097.N1	11-SEP-2008 00:49:04	Bright	37.000	162	34Alp Aqr	2.9440	5350.0	74	34153	No
10	GOM_TRA_1PNPDE20080911_005203_000000382072_00031_34153_8098.N1	11-SEP-2008 00:52:03	Bright	37.500	61	8Eps Peg	2.1000	3900.0	75	34153	No
11	GOM_TRA_1PNPDE20080911_005359_000000422072_00031_34153_8099.N1	11-SEP-2008 00:53:59	Bright	41.500	90	54Alp Peg	2.4870	11000.	83	34153	No
12	GOM_TRA_1PNPDE20080911_005813_000000382072_00031_34153_8100.N1	11-SEP-2008 00:58:13	Bright	38.000	164	44Eta Peg	2.9480	5400.0	76	34153	No
13	GOM_TRA_1PNPDE20080911_010655_000000352072_00031_34153_8101.N1	11-SEP-2008 01:06:55	Bright	34.500	89	5Alp Cep	2.4510	8000.0	69	34153	No
14	GOM_TRA_1PNPDE20080911_010825_000000402072_00031_34153_8102.N1	11-SEP-2008 01:08:25	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	34153	No
15	GOM_TRA_1PNPDE20080911_011438_000000352072_00031_34153_8103.N1	11-SEP-2008 01:14:38	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	34153	No
16	GOM_TRA_1PNPDE20080911_013158_000000422072_00031_34153_8104.N1	11-SEP-2008 01:31:58	Bright	42.000	24	66Alp Gem	1.5800	10200.	84	34153	No
17	GOM_TRA_1PNPDE20080911_014016_000000552072_00031_34153_8105.N1	11-SEP-2008 01:40:16	Twilight	54.500	8	10Alp CMi	0.40000	6500.0	109	34153	No
18	GOM_TRA_1PNPDE20080911_014850_000000592072_00031_34153_8228.N1	11-SEP-2008 01:48:50	Dark	58.500	1	9Alp CMa	-1.4400	11000.	117	34153	No
19	GOM_TRA_1PNPDE20080911_015628_000000402072_00031_34153_8229.N1	11-SEP-2008 01:56:28	Dark	40.000	161	Tau Pup	2.9310	4500.0	80	34153	No
20	GOM_TRA_1PNPDE20080911_015745_000000542072_00031_34153_8230.N1	11-SEP-2008 01:57:45	Dark	54.000	2	Alp Car	-0.73600	7000.0	108	34153	No
21	GOM_TRA_1PNPDE20080911_020807_000000402072_00032_34154_8231.N1	11-SEP-2008 02:08:07	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	34154	No
22	GOM_TRA_1PNPDE20080911_020931_000000442072_00032_34154_8232.N1	11-SEP-2008 02:09:31	Dark	44.000	9	Alp Eri	0.45300	24000.	88	34154	No
23	GOM_TRA_1PNPDE20080911_021613_000000452072_00032_34154_8233.N1	11-SEP-2008 02:16:13	Straylight	45.000	63	Bet Gru	2.1500	2800.0	90	34154	No
24	GOM_TRA_1PNPDE20080911_022048_000000452072_00032_34154_8234.N1	11-SEP-2008 02:20:48	Straylight	44.500	18	24Alp PsA	1.1660	9700.0	89	34154	No
25	GOM_TRA_1PNPDE20080911_022940_000000372072_00032_34154_8235.N1	11-SEP-2008 02:29:40	Bright	37.000	162	34Alp Aqr	2.9440	5350.0	74	34154	No
26	GOM_TRA_1PNPDE20080911_023239_000000382072_00032_34154_8236.N1	11-SEP-2008 02:32:39	Bright	37.500	61	8Eps Peg	2.1000	3900.0	75	34154	No
27	GOM_TRA_1PNPDE20080911_023435_000000432072_00032_34154_8237.N1	11-SEP-2008 02:34:35	Bright	43.000	90	54Alp Peg	2.4870	11000.	86	34154	No
28	GOM_TRA_1PNPDE20080911_023849_000000402072_00032_34154_8238.N1	11-SEP-2008 02:38:49	Bright	40.000	164	44Eta Peg	2.9480	5400.0	80	34154	No
29	GOM_TRA_1PNPDE20080911_024731_000000352072_00032_34154_8239.N1	11-SEP-2008 02:47:31	Bright	35.000	89	5Alp Cep	2.4510	8000.0	70	34154	No
30	GOM_TRA_1PNPDE20080911_024900_000000442072_00032_34154_8240.N1	11-SEP-2008 02:49:00	Bright	43.500	74	11Bet Cas	2.2680	6600.0	87	34154	No
31	GOM_TRA_1PNPDE20080911_025514_000000362072_00032_34154_8241.N1	11-SEP-2008 02:55:14	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	34154	No
32	GOM_TRA_1PNPDE20080911_031234_000000422072_00032_34154_8392.N1	11-SEP-2008 03:12:34	Bright	42.000	24	66Alp Gem	1.5800	10200.	84	34154	No
33	GOM_TRA_1PNPDE20080911_032052_000000572072_00032_34154_8393.N1	11-SEP-2008 03:20:52	Twilight	57.000	8	10Alp CMi	0.40000	6500.0	114	34154	No
34	GOM_TRA_1PNPDE20080911_032927_000000552072_00032_34154_8394.N1	11-SEP-2008 03:29:27	Dark	55.000	1	9Alp CMa	-1.4400	11000.	110	34154	No
35	GOM_TRA_1PNPDE20080911_033153_000000442072_00032_34154_8395.N1	11-SEP-2008 03:31:53	Dark	44.000	23	21Eps CMa	1.5020	26000.	88	34154	No
36	GOM_TRA_1PNPDE20080911_033405_000000452072_00032_34154_8396.N1	11-SEP-2008 03:34:05	Dark	45.000	177	1Zet CMa	3.0220	26000.	90	34154	No
37	GOM_TRA_1PNPDE20080911_033705_000000412072_00032_34154_8397.N1	11-SEP-2008 03:37:05	Dark	41.000	161	Tau Pup	2.9310	4500.0	82	34154	No
38	GOM_TRA_1PNPDE20080911_033821_000000562072_00032_34154_8398.N1	11-SEP-2008 03:38:21	Dark	56.000	2	Alp Car	-0.73600	7000.0	112	34154	No
39	GOM_TRA_1PNPDE20080911_034844_000000392072_00033_34155_8399.N1	11-SEP-2008 03:48:44	Dark	38.500	143	Alp Hyi	2.8570	7200.0	77	34155	No
40	GOM_TRA_1PNPDE20080911_035007_000000432072_00033_34155_8400.N1	11-SEP-2008 03:50:07	Dark	42.500	9	Alp Eri	0.45300	24000.	85	34155	No
41	GOM_TRA_1PNPDE20080911_035652_000000422072_00033_34155_8401.N1	11-SEP-2008 03:56:52	Straylight	41.500	63	Bet Gru	2.1500	2800.0	83	34155	No
42	GOM_TRA_1PNPDE20080911_040124_000000442072_00033_34155_8402.N1	11-SEP-2008 04:01:24	Straylight	44.000	18	24Alp PsA	1.1660	9700.0	88	34155	No
43	GOM_TRA_1PNPDE20080911_041017_000000372072_00033_34155_8403.N1	11-SEP-2008 04:10:17	Bright	36.500	162	34Alp Aqr	2.9440	5350.0	73	34155	No
44	GOM_TRA_1PNPDE20080911_041316_000000382072_00033_34155_8404.N1	11-SEP-2008 04:13:16	Bright	37.500	61	8Eps Peg	2.1000	3900.0	75	34155	No
45	GOM_TRA_1PNPDE20080911_041510_000000422072_00033_34155_8405.N1	11-SEP-2008 04:15:10	Bright	41.500	90	54Alp Peg	2.4870	11000.	83	34155	No

46	GOM_TRA_1PNPDE20080911_041924_000000382072_00033_34155_8406.N1	11-SEP-2008 04:19:24	Bright	38.000	164	44Eta Peg	2.9480	5400.0	76	34155	No
47	GOM_TRA_1PNPDE20080911_042807_000000362072_00033_34155_8407.N1	11-SEP-2008 04:28:07	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	34155	No
48	GOM_TRA_1PNPDE20080911_042935_000000382072_00033_34155_8408.N1	11-SEP-2008 04:29:35	Bright	38.000	74	11Bet Cas	2.2680	6600.0	76	34155	No
49	GOM_TRA_1PNPDE20080911_043550_000000362072_00033_34155_8409.N1	11-SEP-2008 04:35:50	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	34155	No
50	GOM_TRA_1PNPDE20080911_045310_000000422072_00033_34155_8580.N1	11-SEP-2008 04:53:10	Bright	41.500	24	66Alp Gem	1.5800	10200.	83	34155	No

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



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

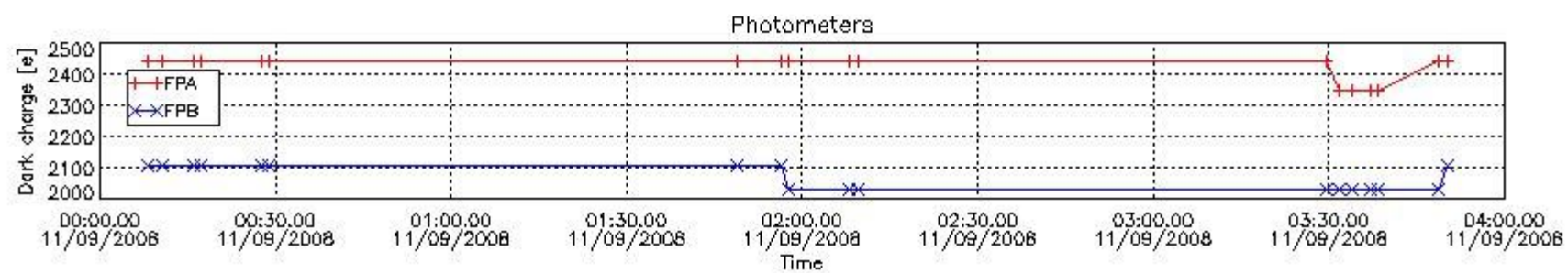
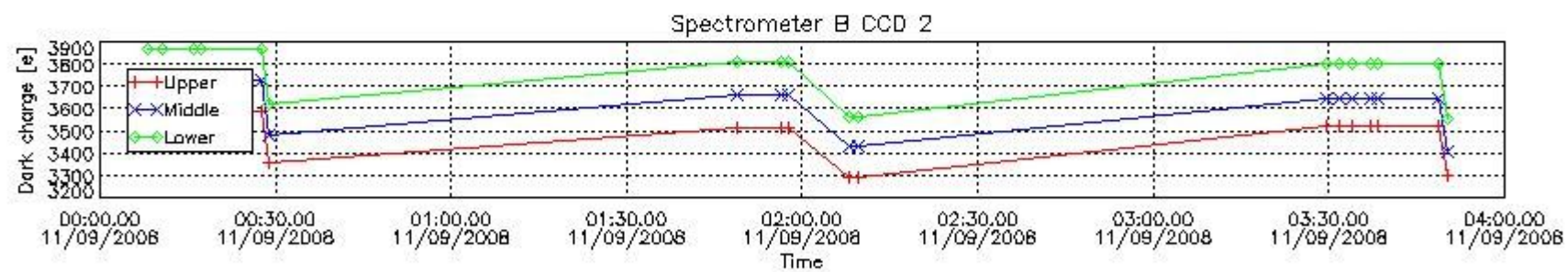
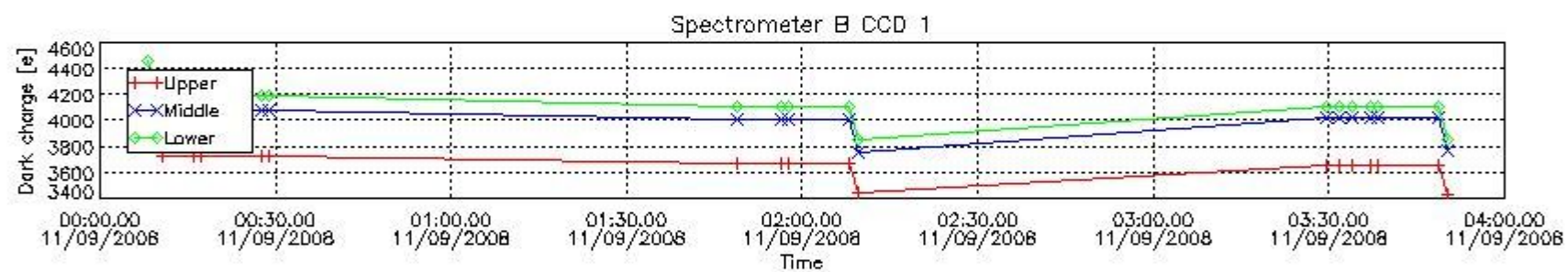
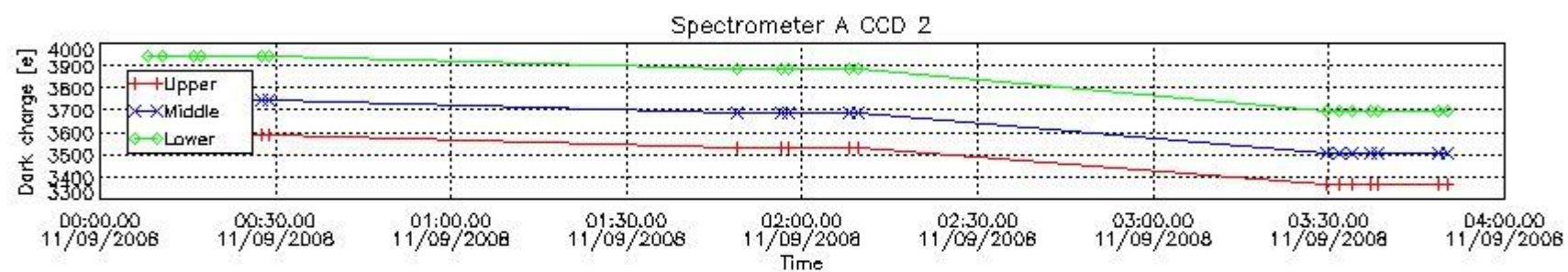
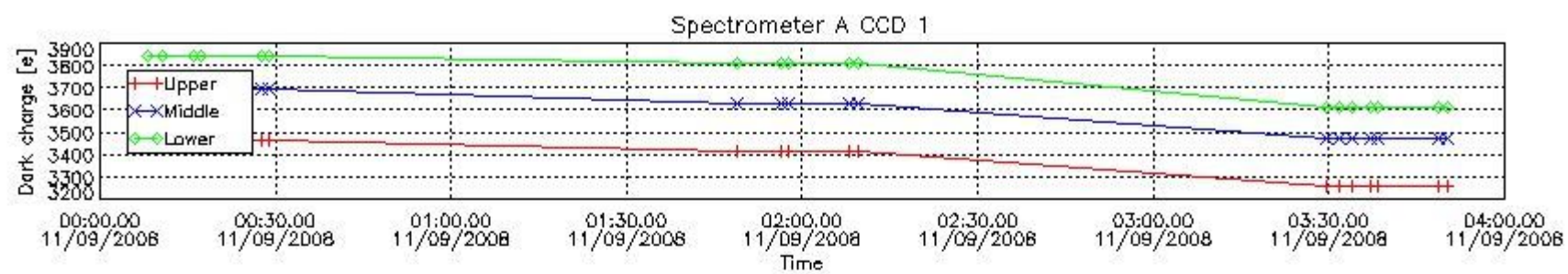
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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

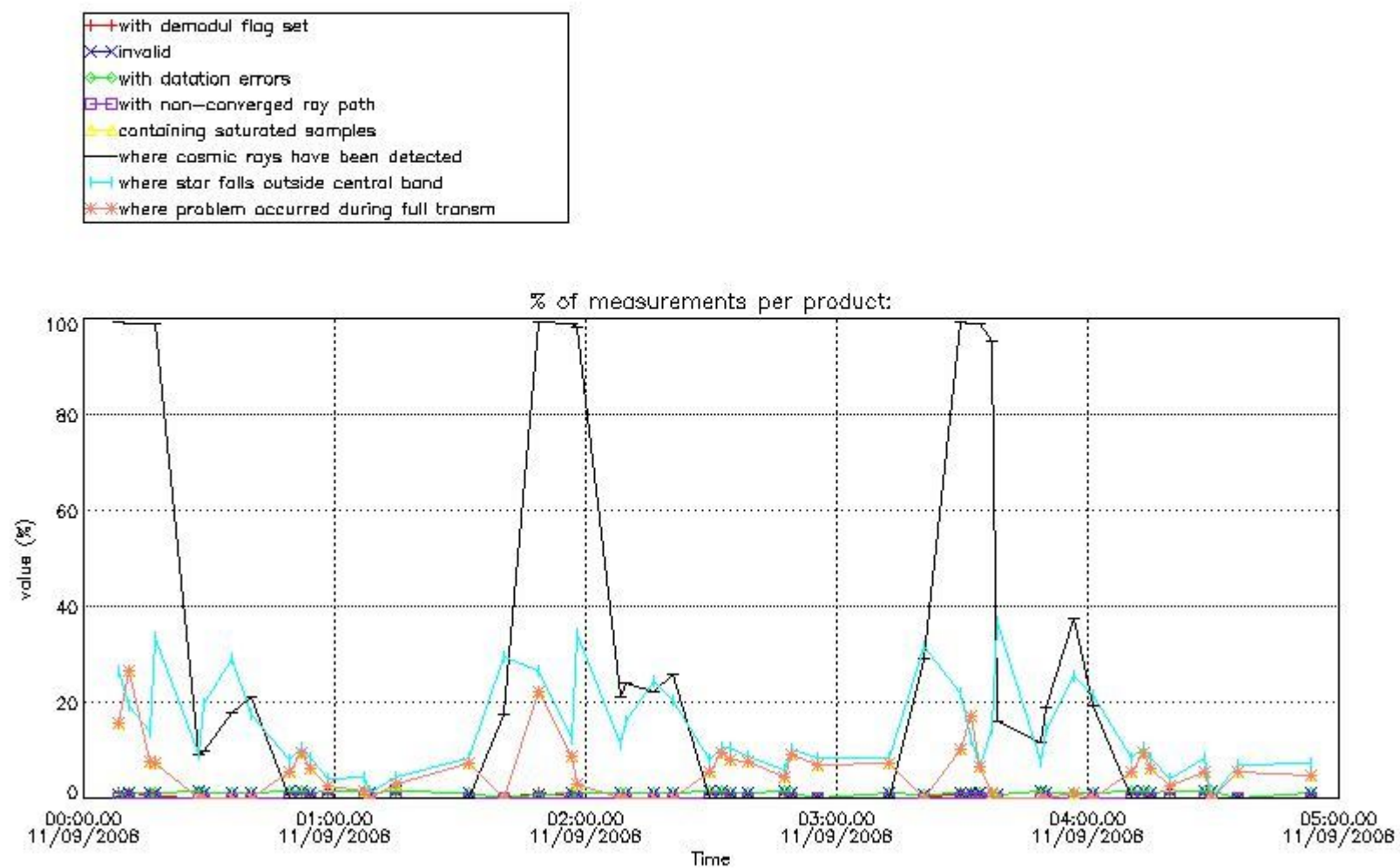
In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

### 5.1 Percentage of products during reporting period with:

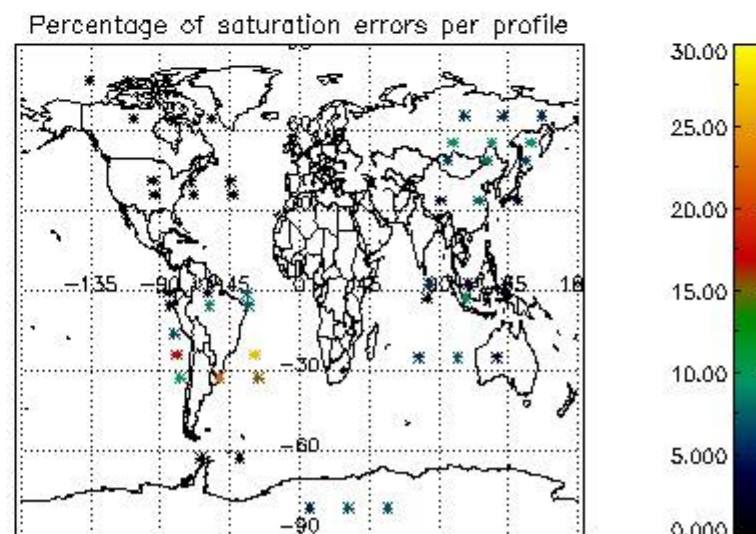
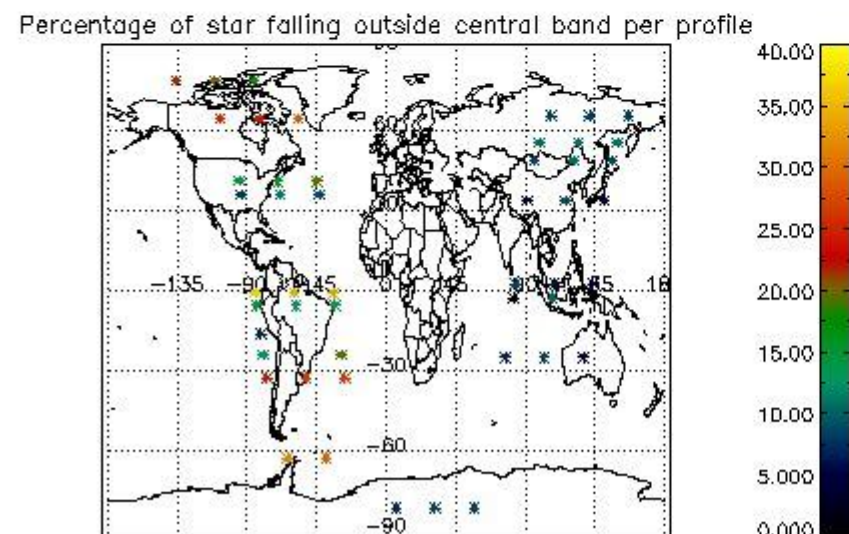
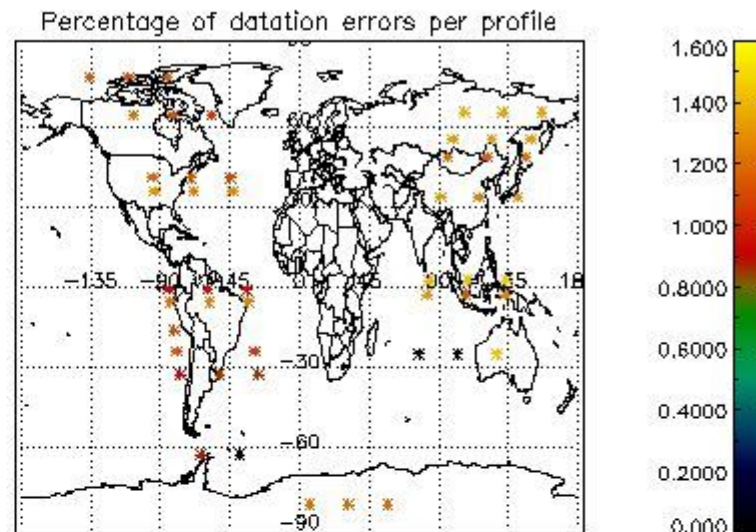
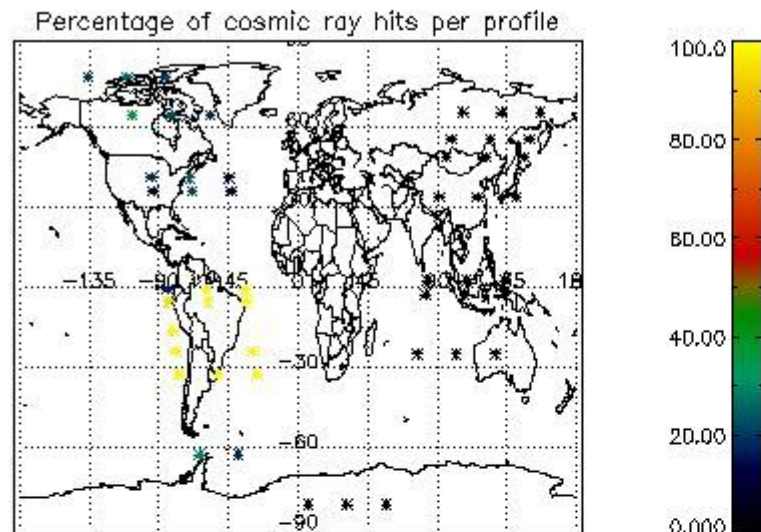


At least one measurement with demodulation flag set:	38.0000 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



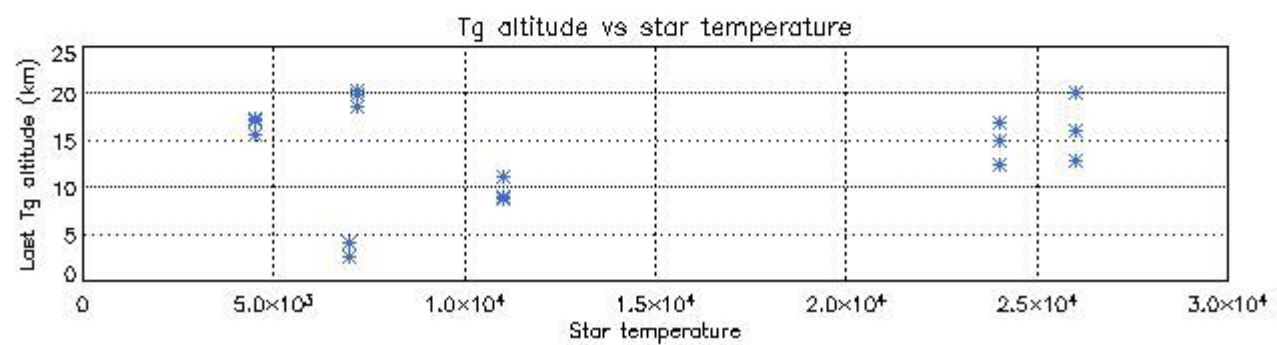
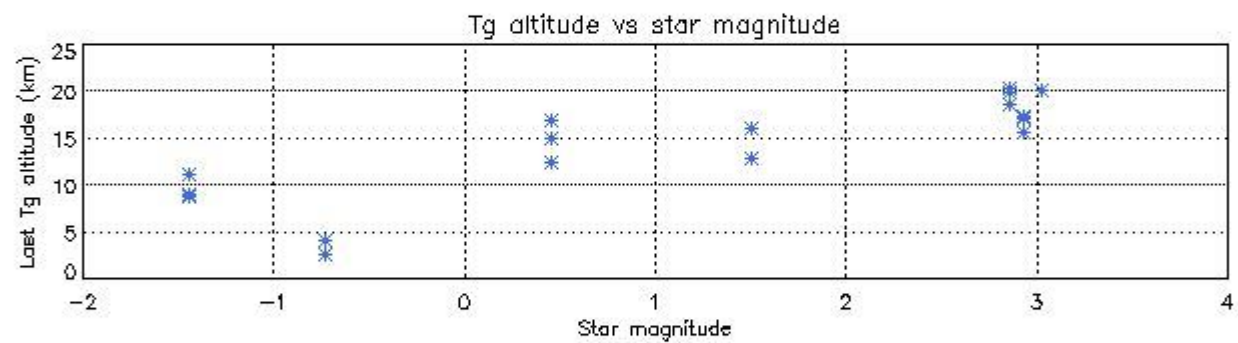
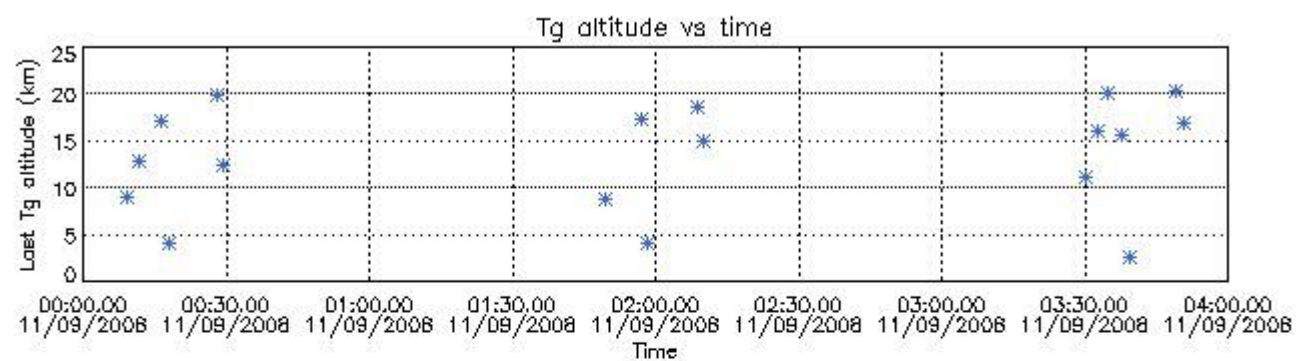
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.427	20.558	6.2031
St. deviation:	5.7003	2.7629	0.89719
Maximum:	20.358	28.748	6.8375
Minimum:	2.5168	17.302	5.5687
Number of data:	18.000	24.000	2.0000

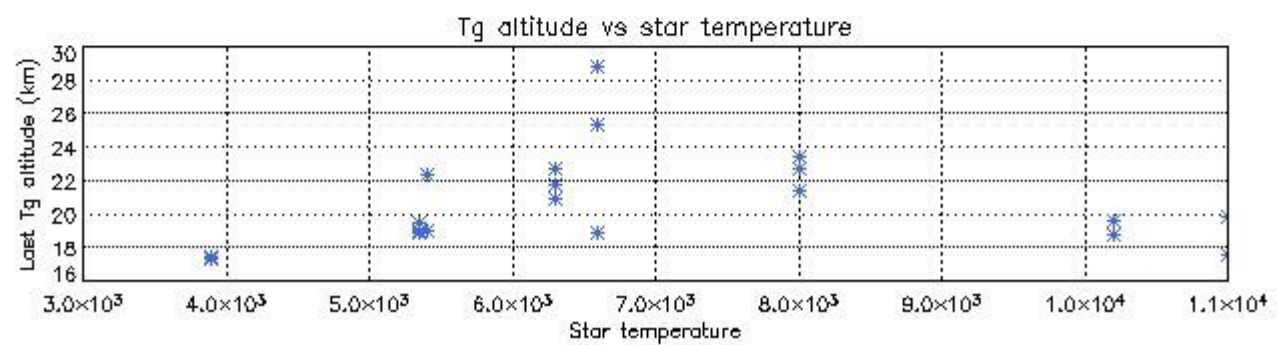
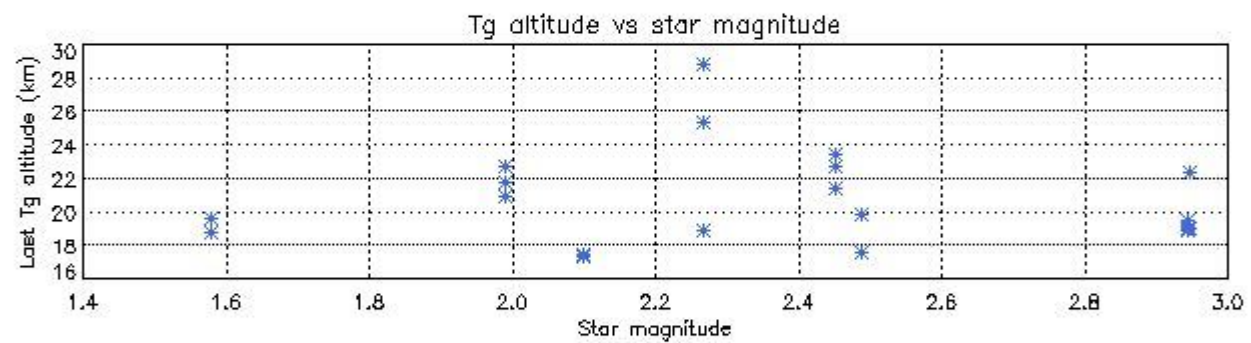
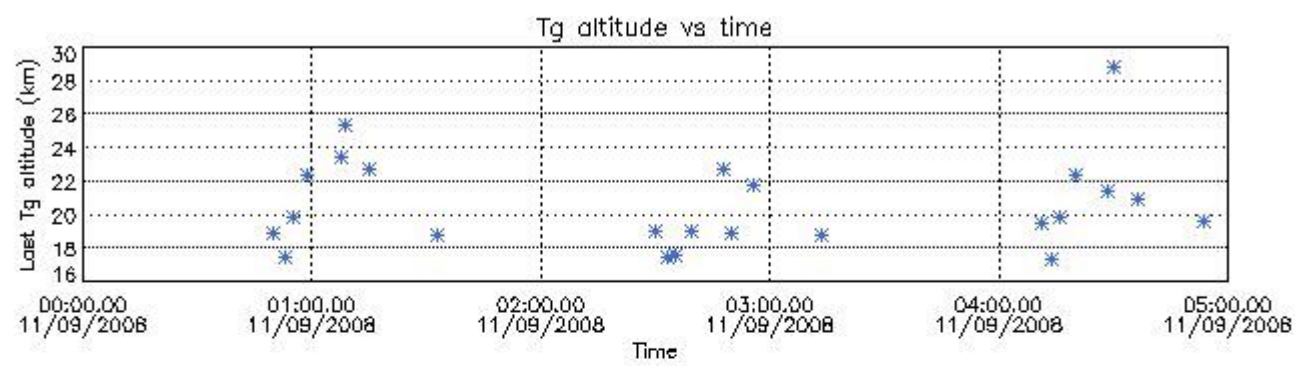
### 6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

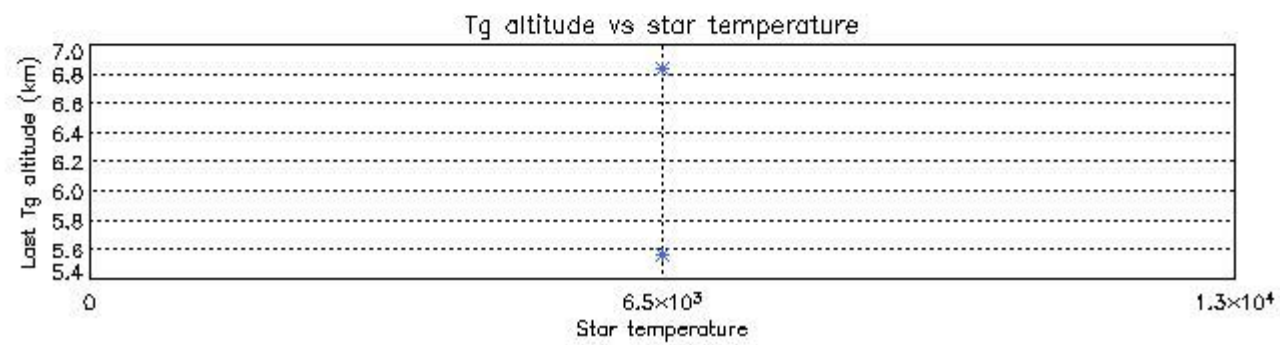
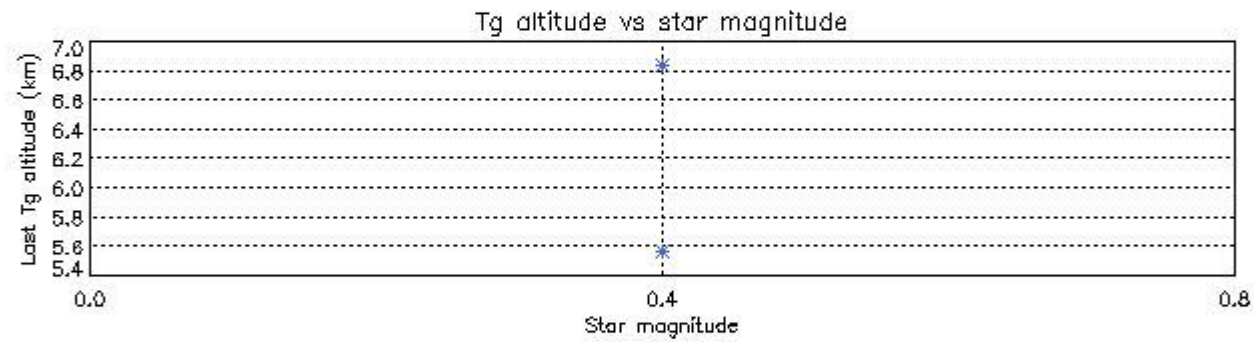
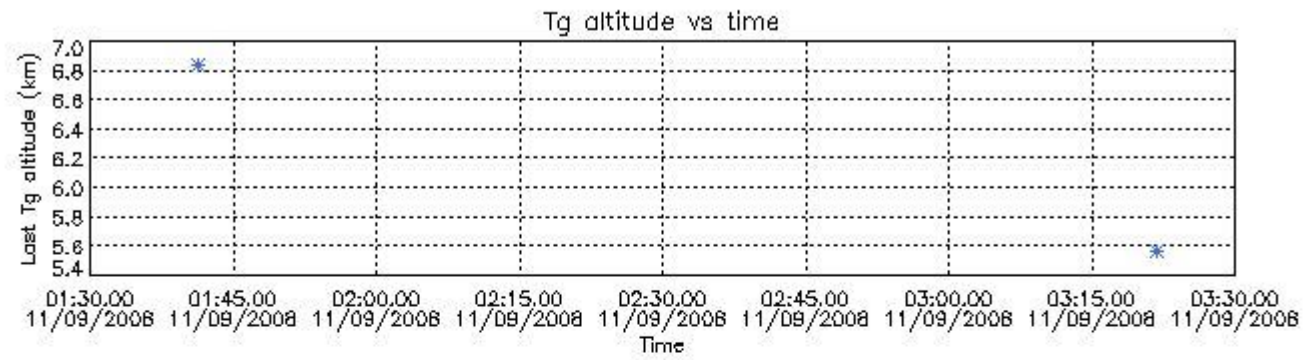
Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products



Tangent altitude at which the star is lost

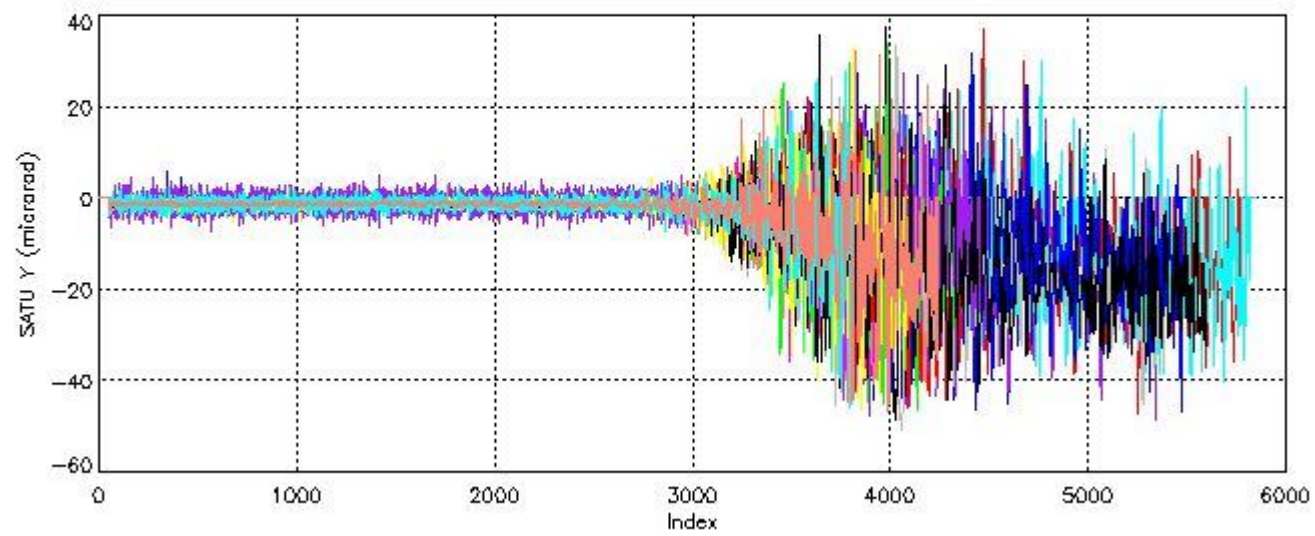
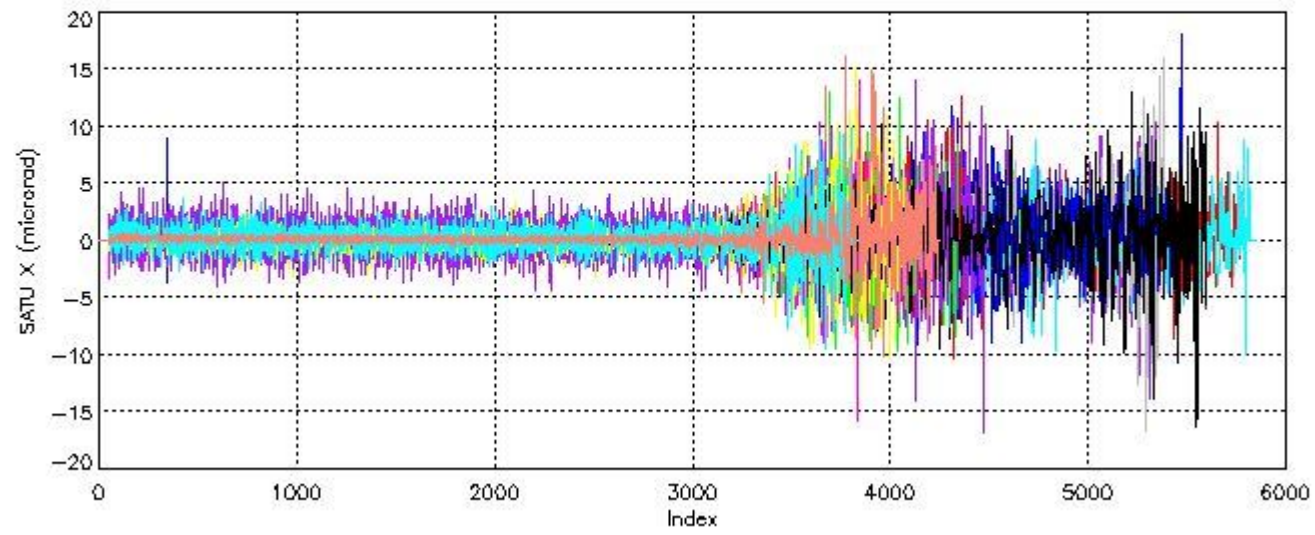


## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.17997	-1.2723	0.18956	-1.3401
St. deviation:	0.45979	0.68358	0.73646	0.87842
Maximum:	8.9000	5.8000	4.4000	2.8000
Minimum:	-4.0000	-7.2000	-4.2000	-6.1000

Number of data:	17250.	17250.	21100.	21100.
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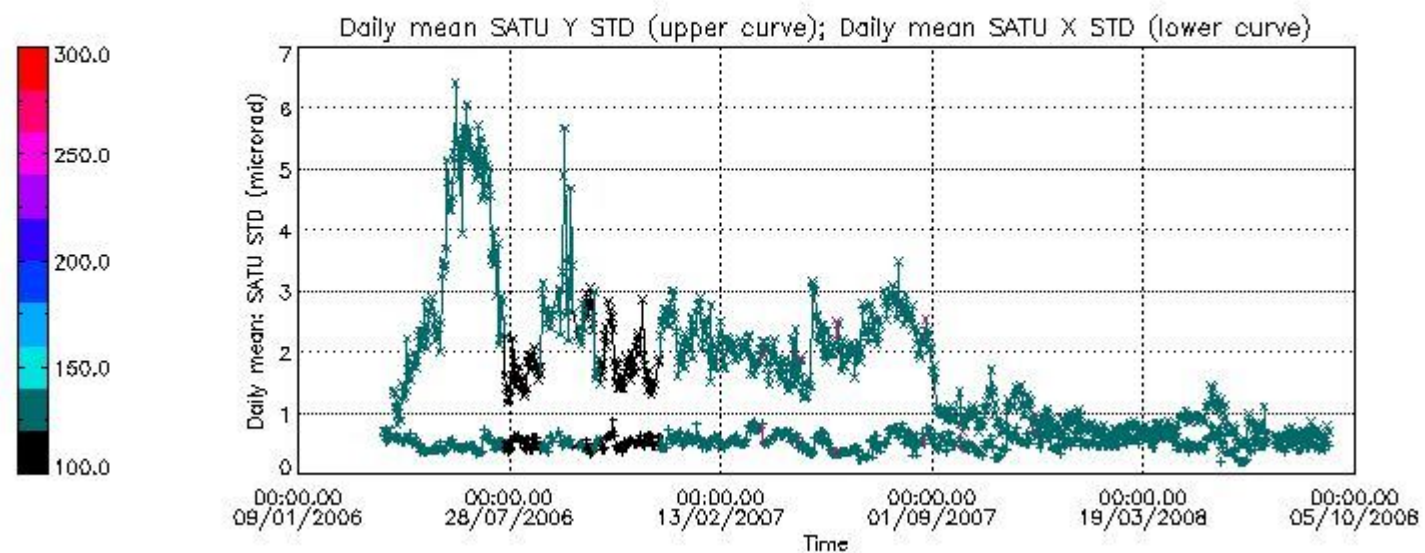
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

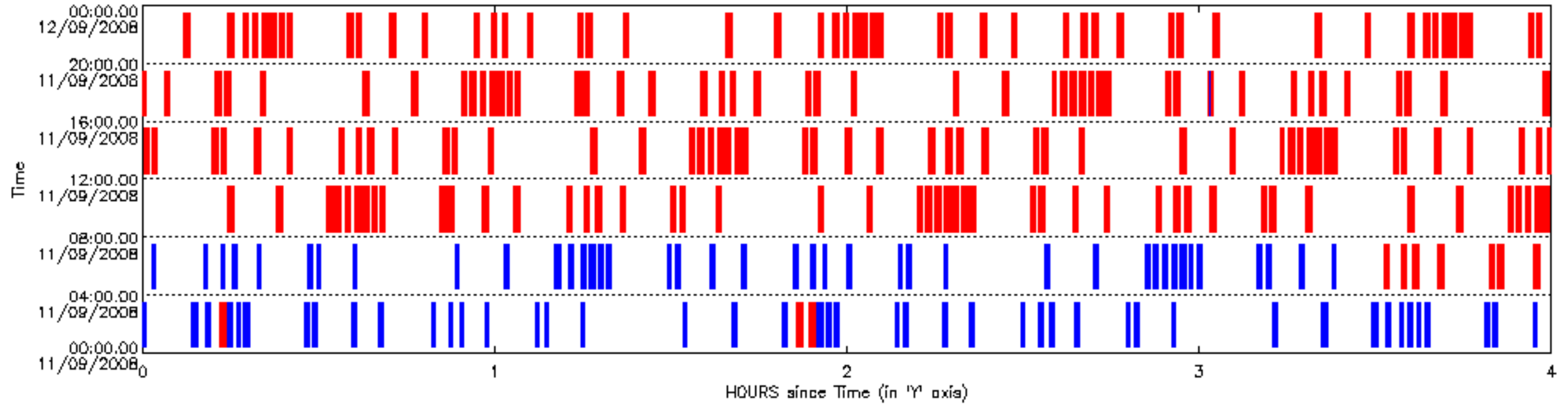
Lower curve: STD of SATU X axis



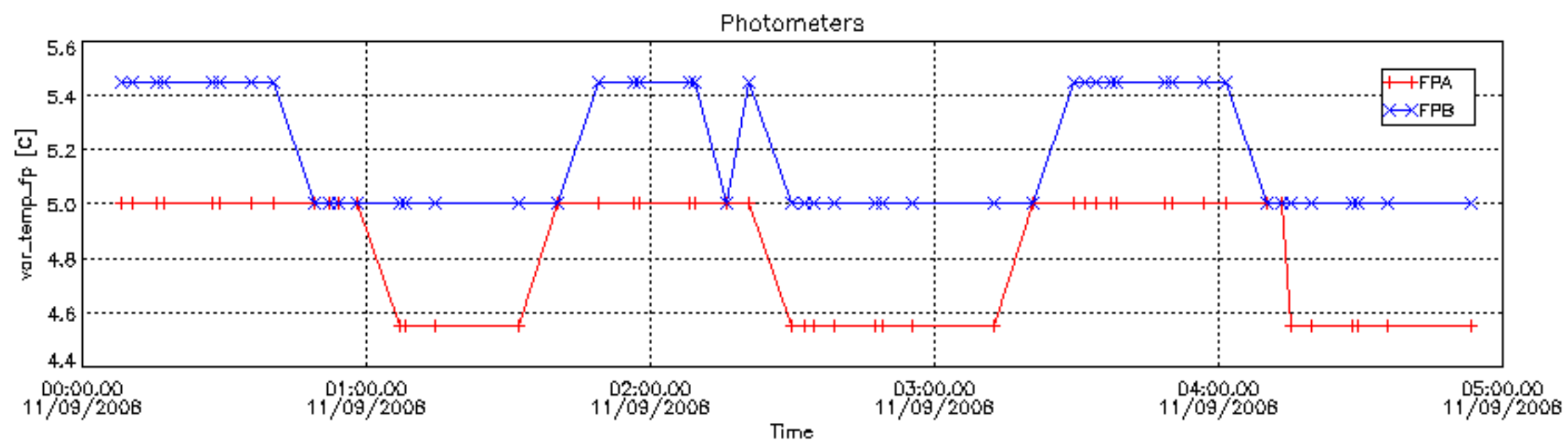
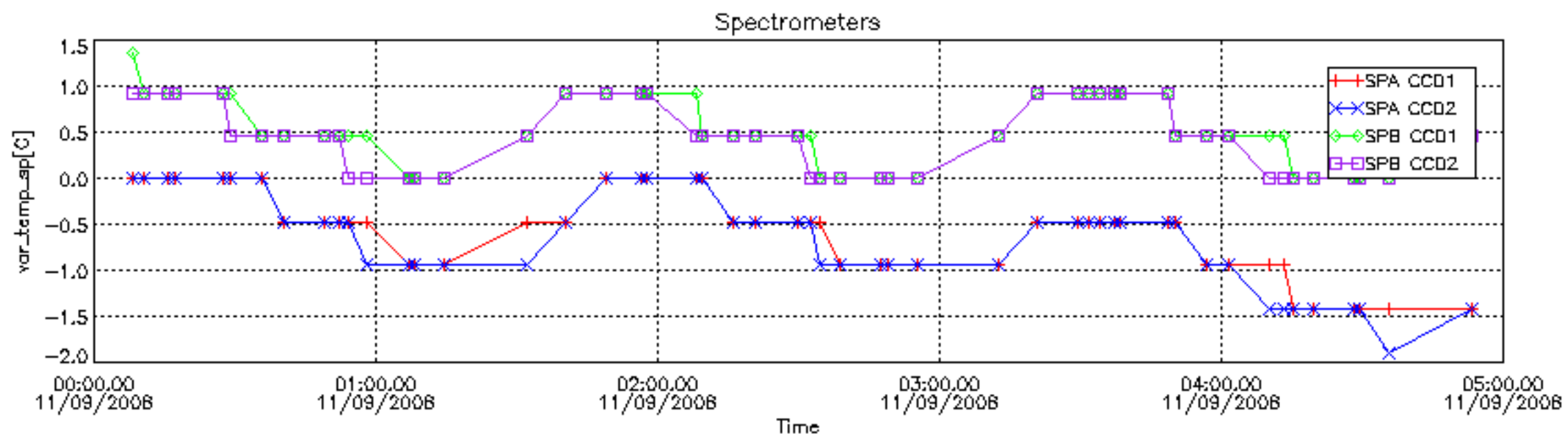
### 8. Auxiliary Data Files used for the production reported in section 2.4

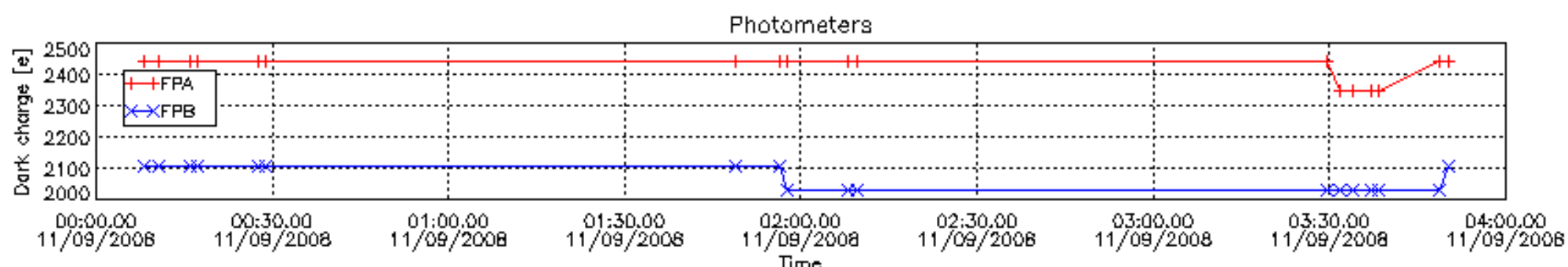
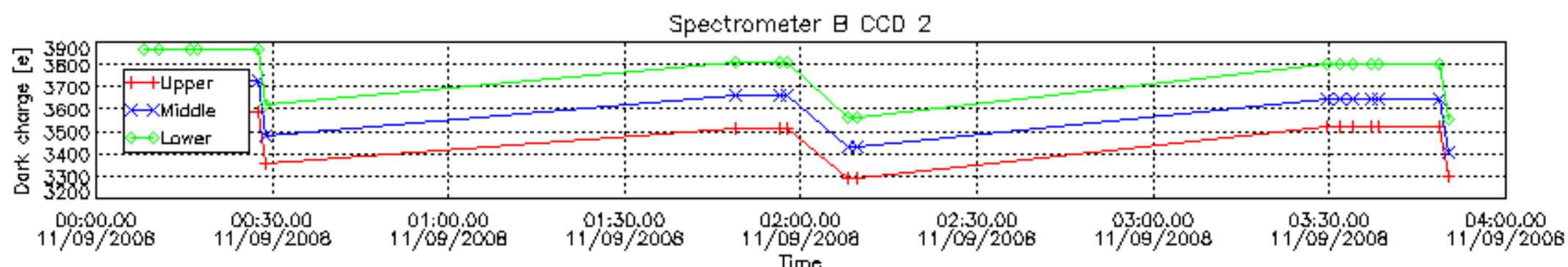
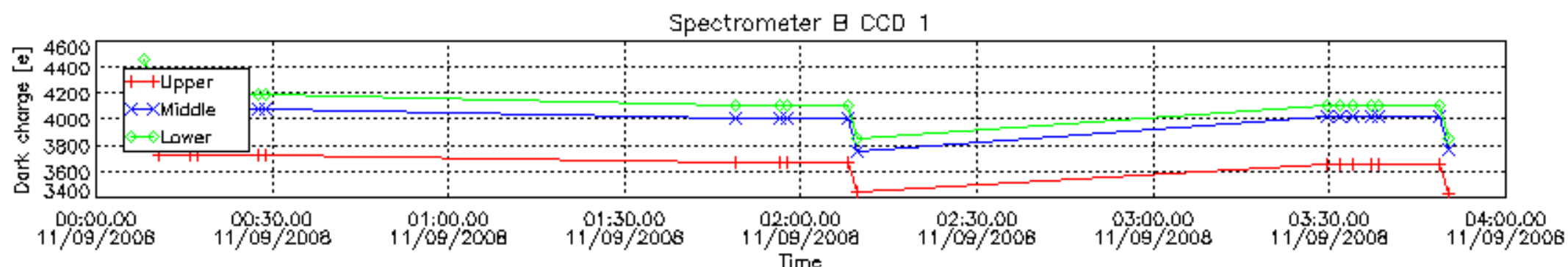
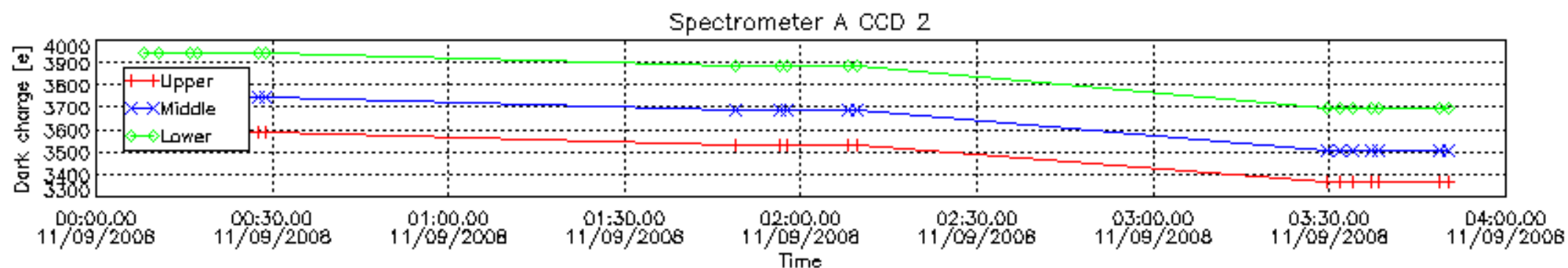
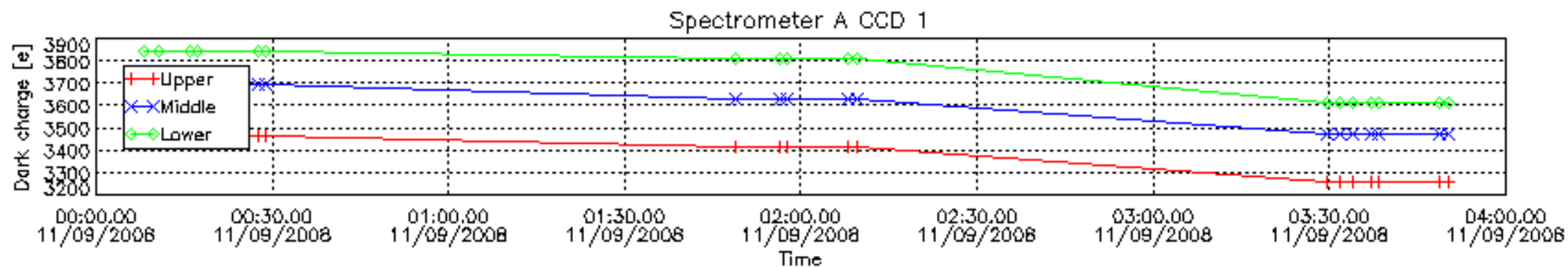
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	11-SEP-2008 00:08:13
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20080904_073713_20080902_000000_20100101_000000	1	11-SEP-2008 00:08:13
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	11-SEP-2008 00:08:13
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	11-SEP-2008 00:08:13
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	11-SEP-2008 00:08:13
ECMWF_FILE	AUX_ECF_AXNECM20080910_072111_20080910_210000_20080911_090000	1	11-SEP-2008 00:08:13
ECMWF_FILE	AUX_ECF_AXNECM20080910_194132_20080911_030000_20080911_150000	32	11-SEP-2008 03:12:34
OPTIONAL_ECMWF_FILE	MISSING	1	11-SEP-2008 00:08:13
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080910_222159_000057382072_00029_34151_6334.N1	1	11-SEP-2008 00:08:13
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080911_000257_000054192072_00030_34152_6335.N1	18	11-SEP-2008 01:48:50
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080911_013835_000041442072_00031_34153_6336.N1	32	11-SEP-2008 03:12:34
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080911_025258_000057382072_00032_34154_6337.N1	50	11-SEP-2008 04:53:10



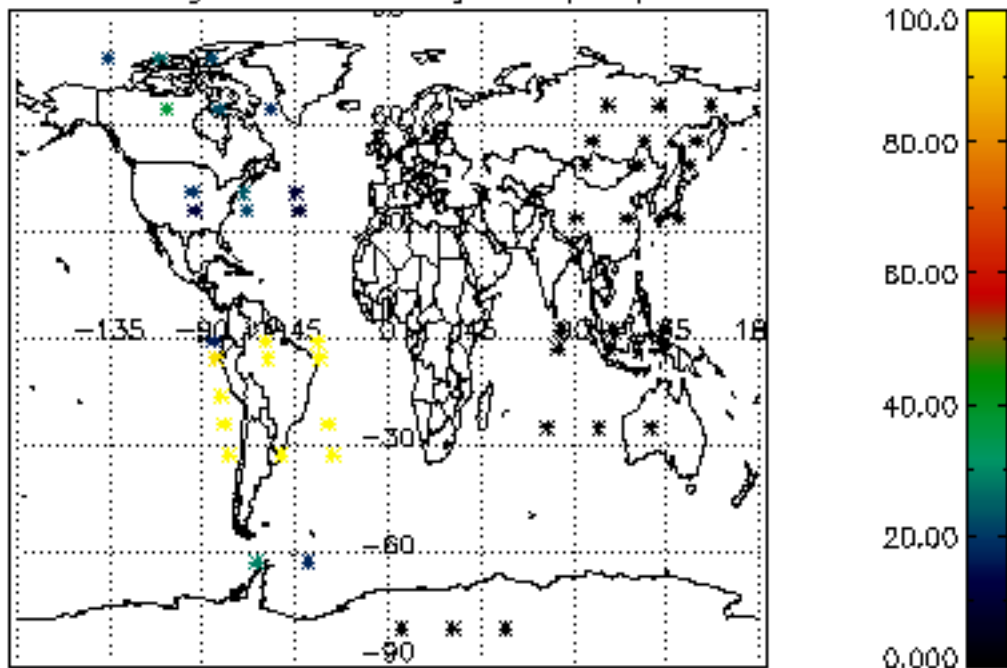




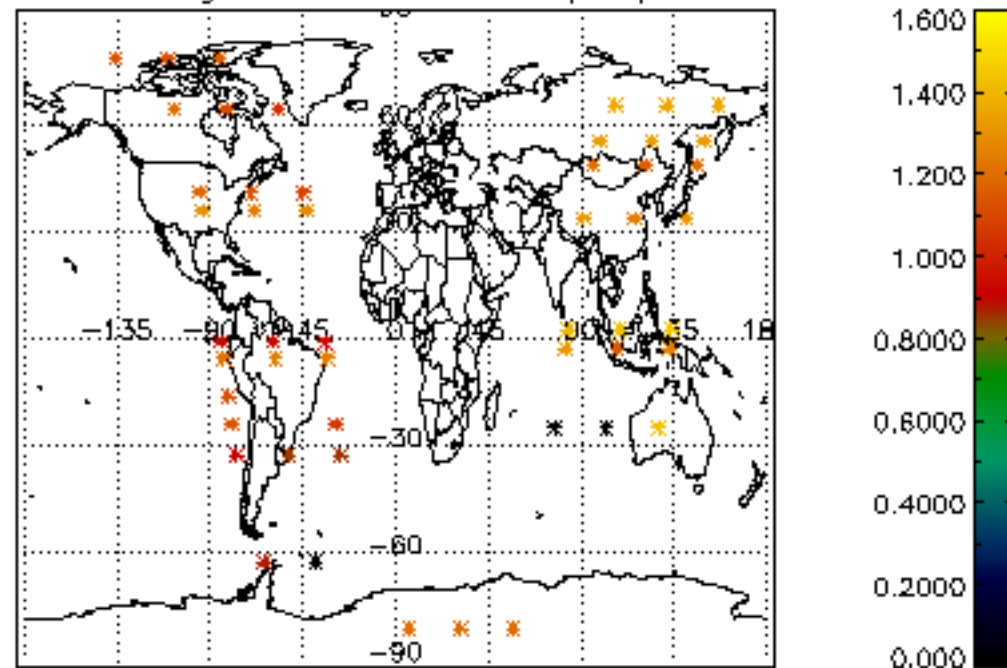




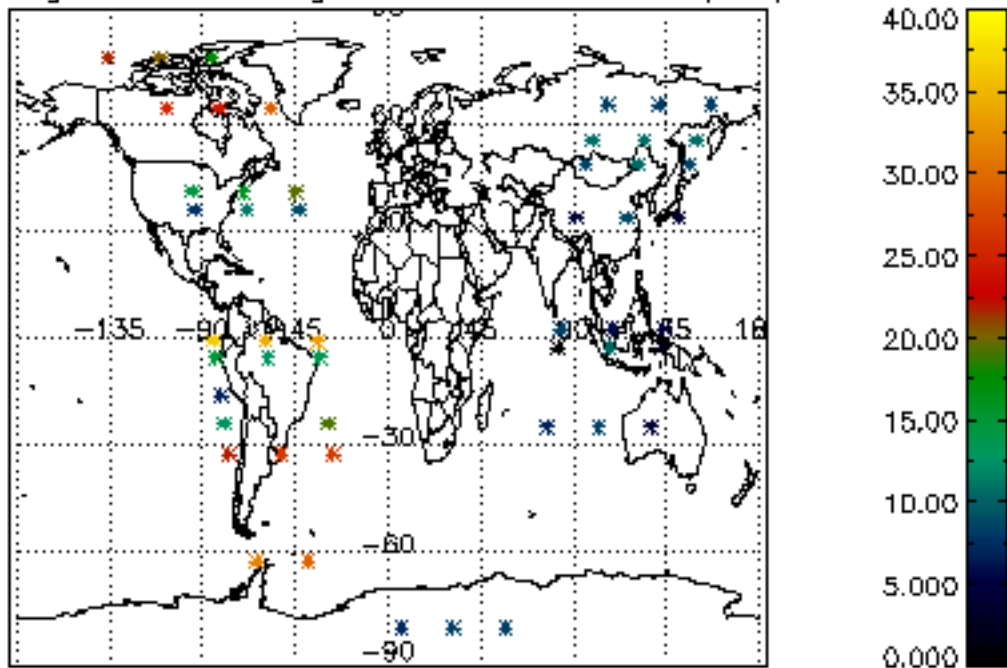
Percentage of cosmic ray hits per profile



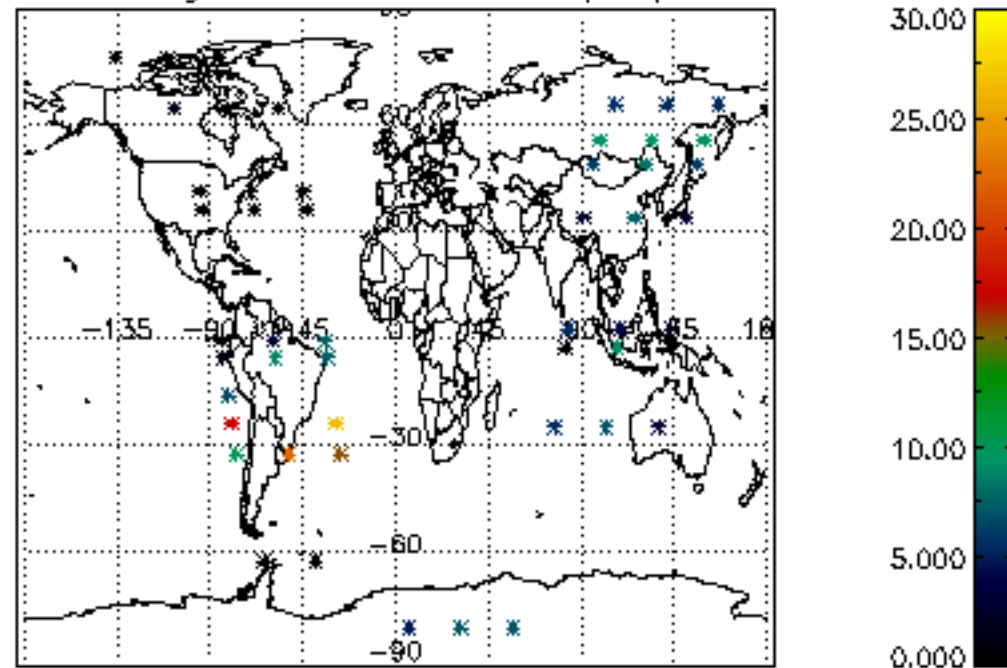
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

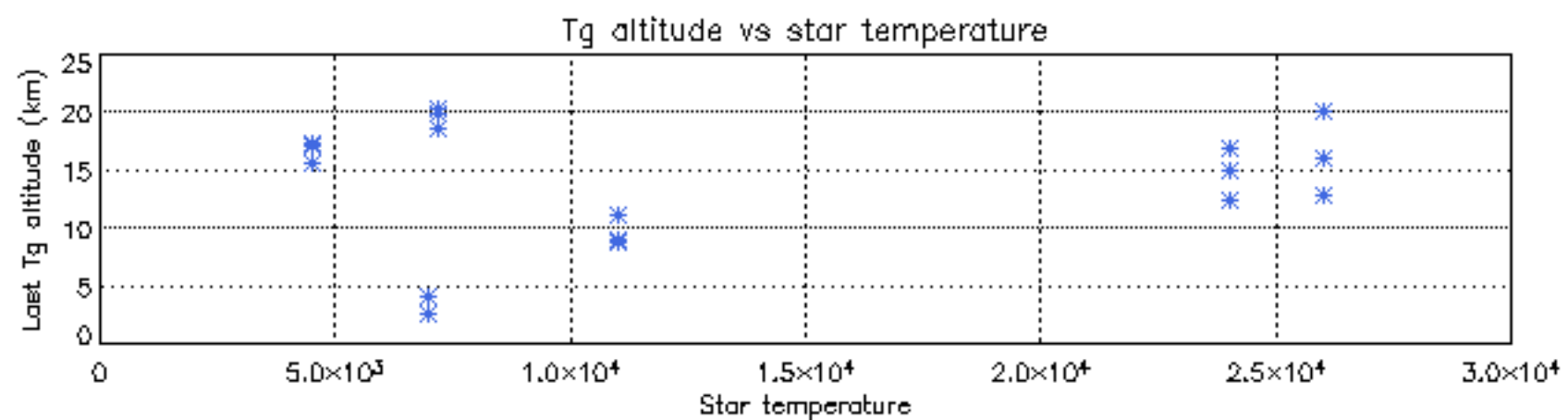
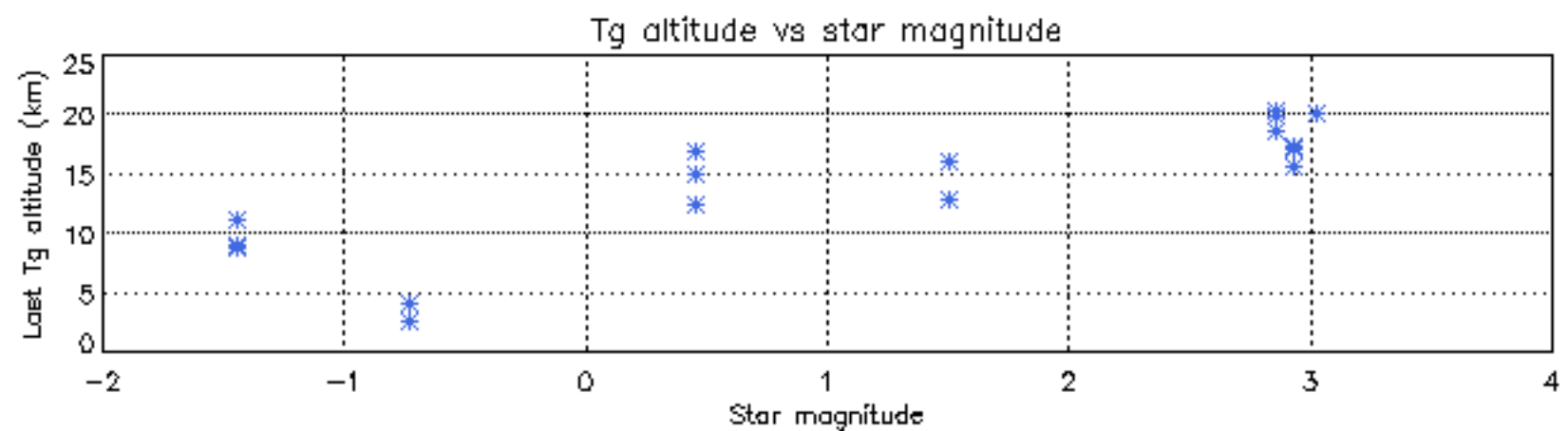
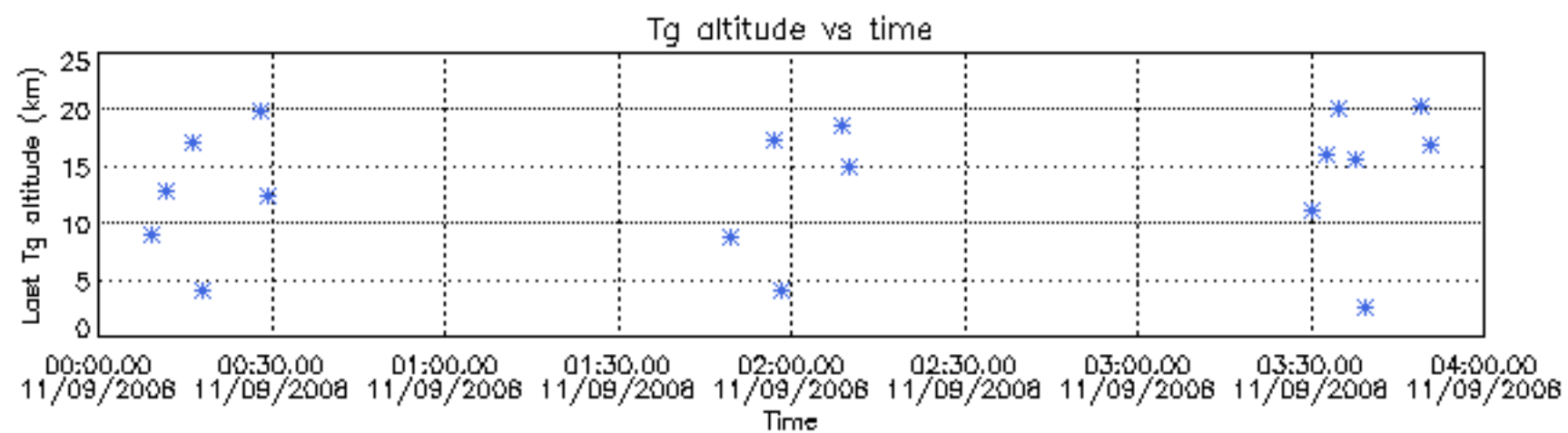


Percentage of saturation errors per profile

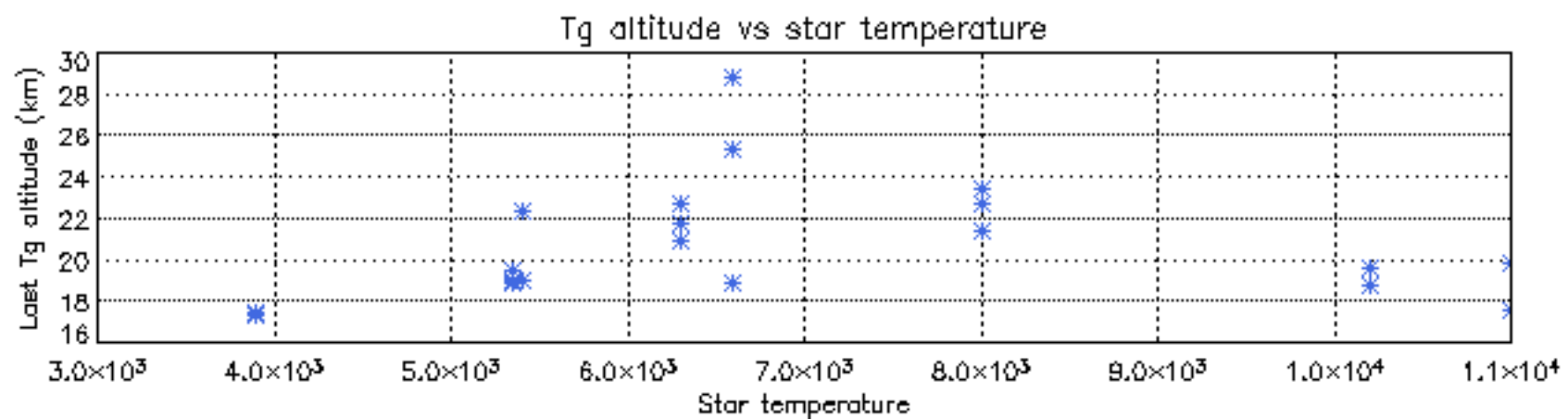
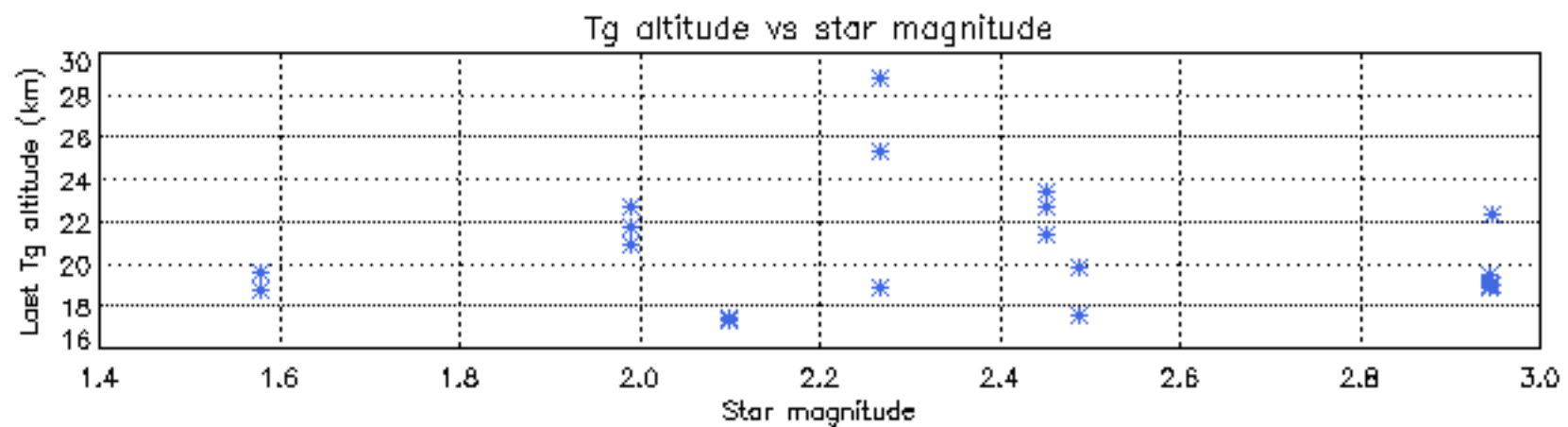
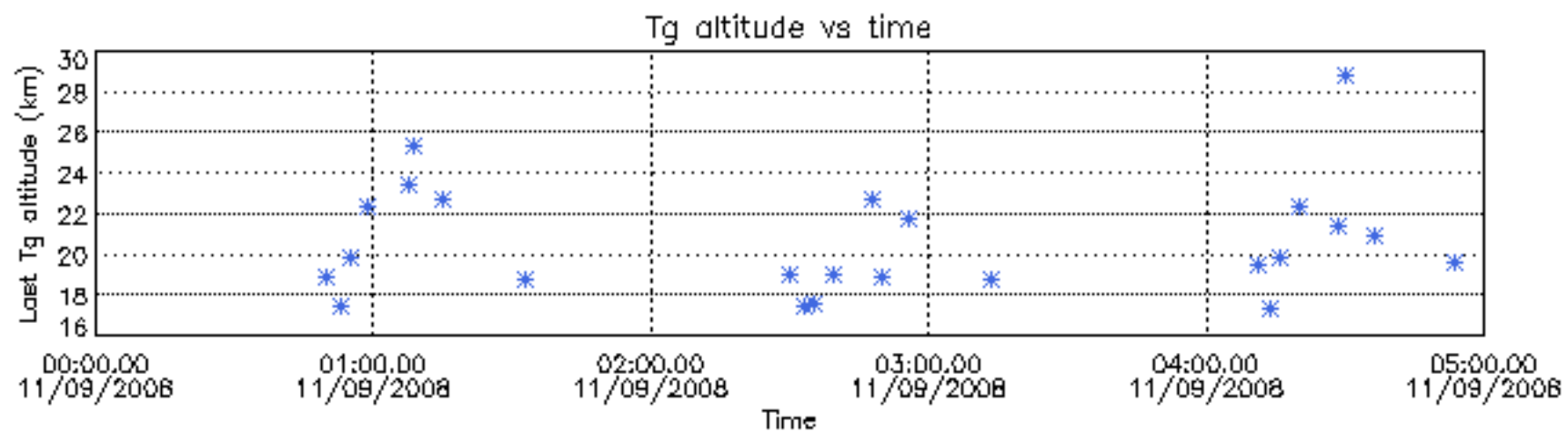




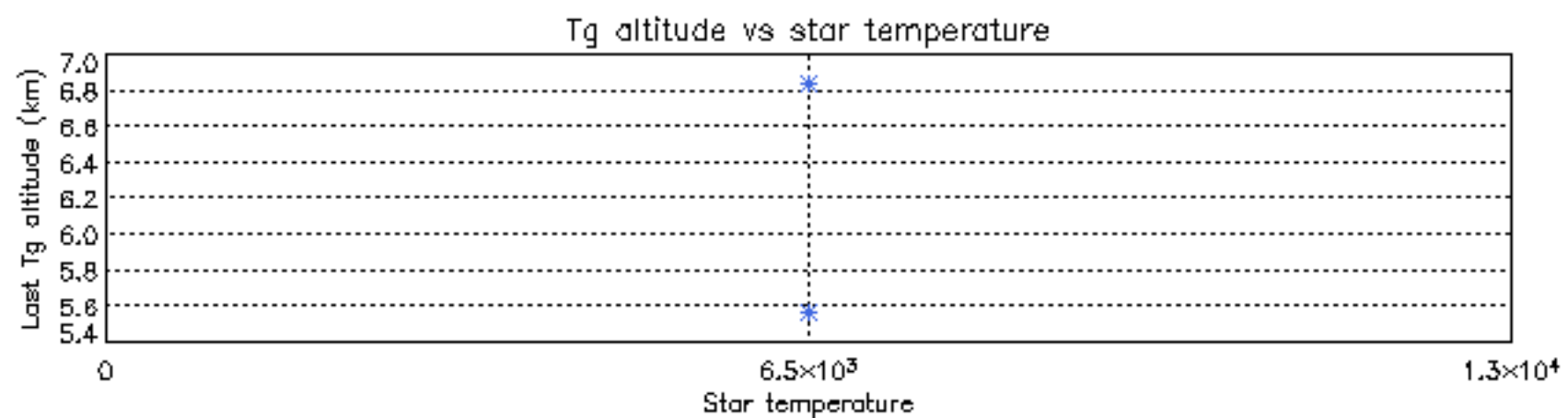
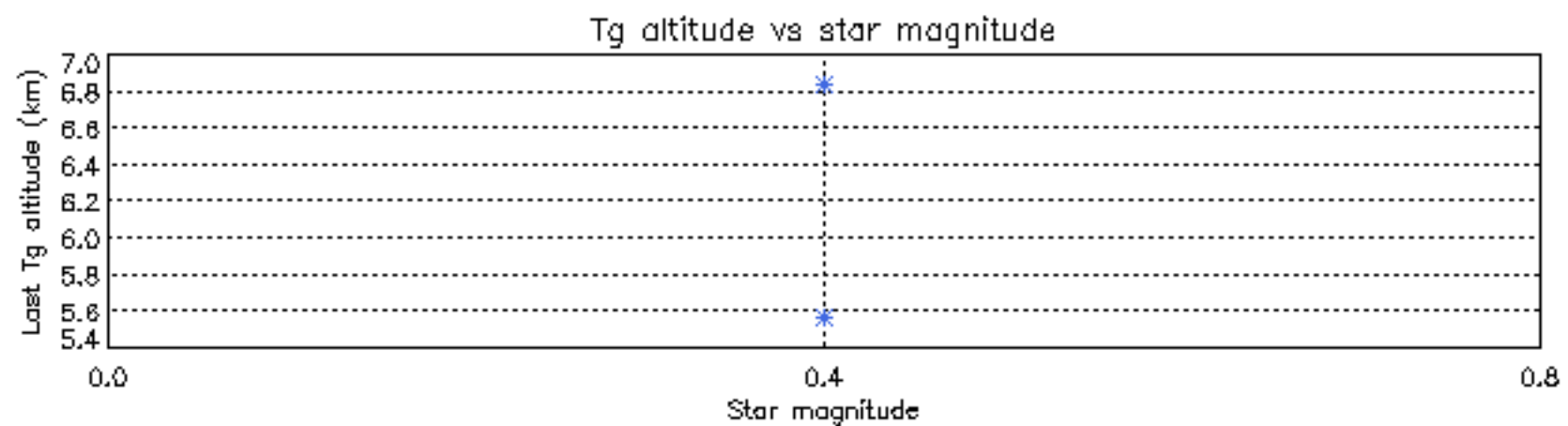
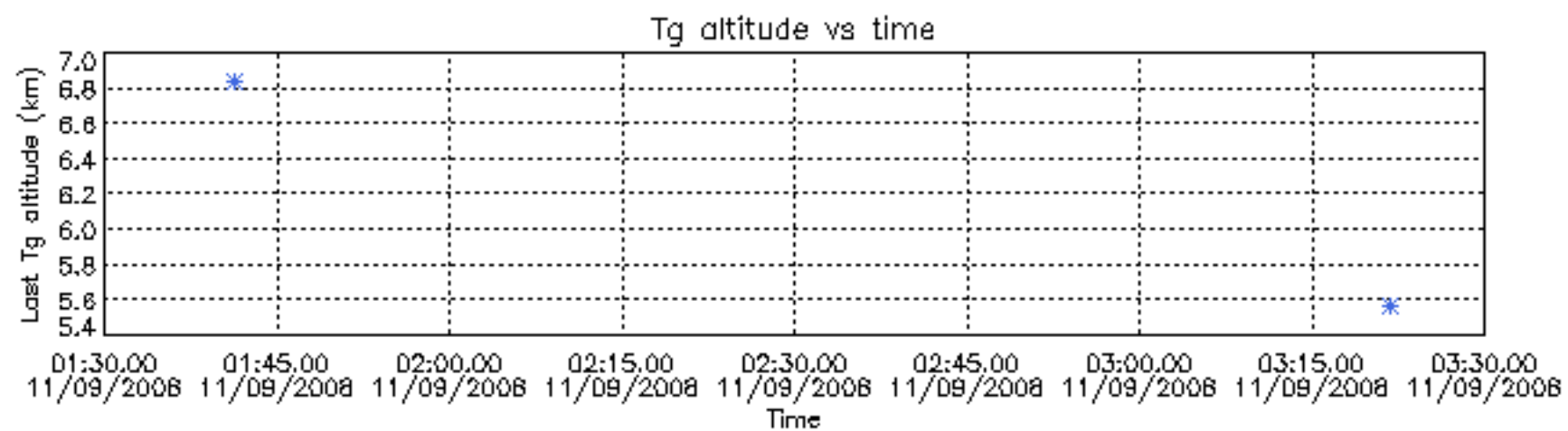
Tangent altitude at which the star is lost

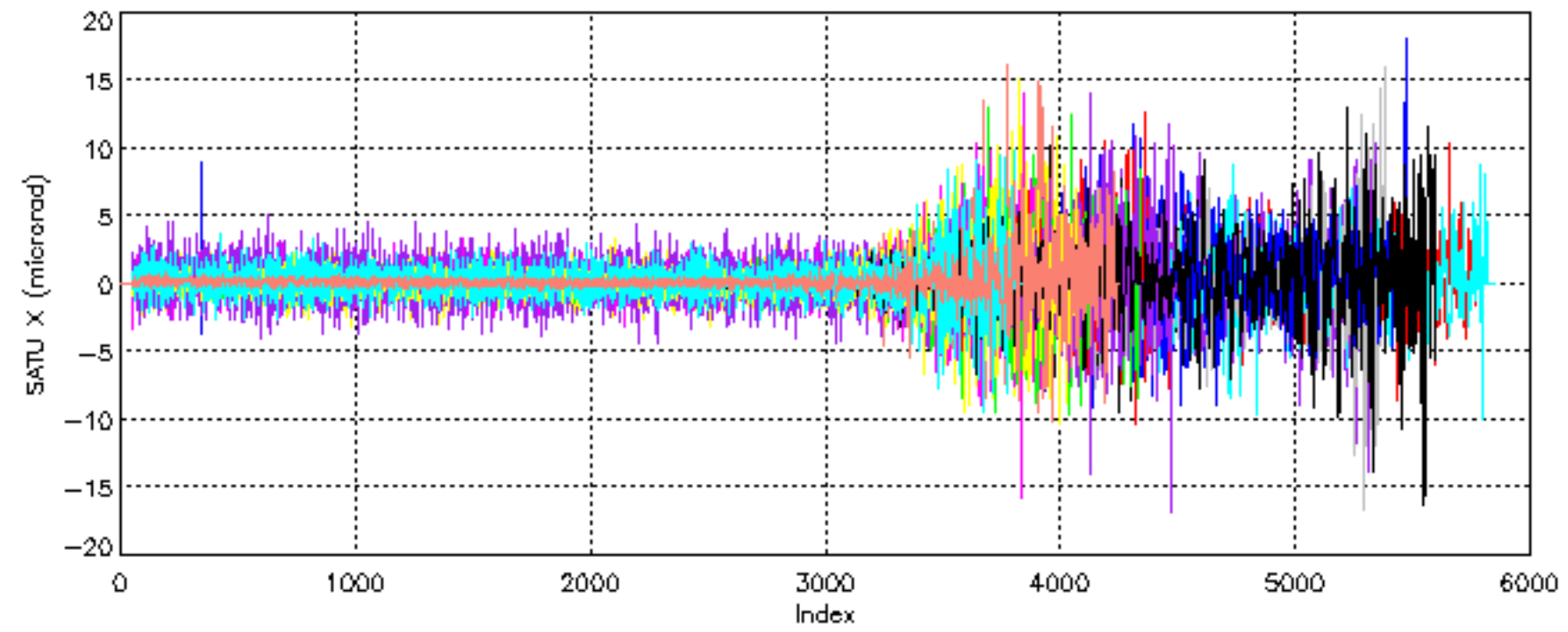


Tangent altitude at which the star is lost

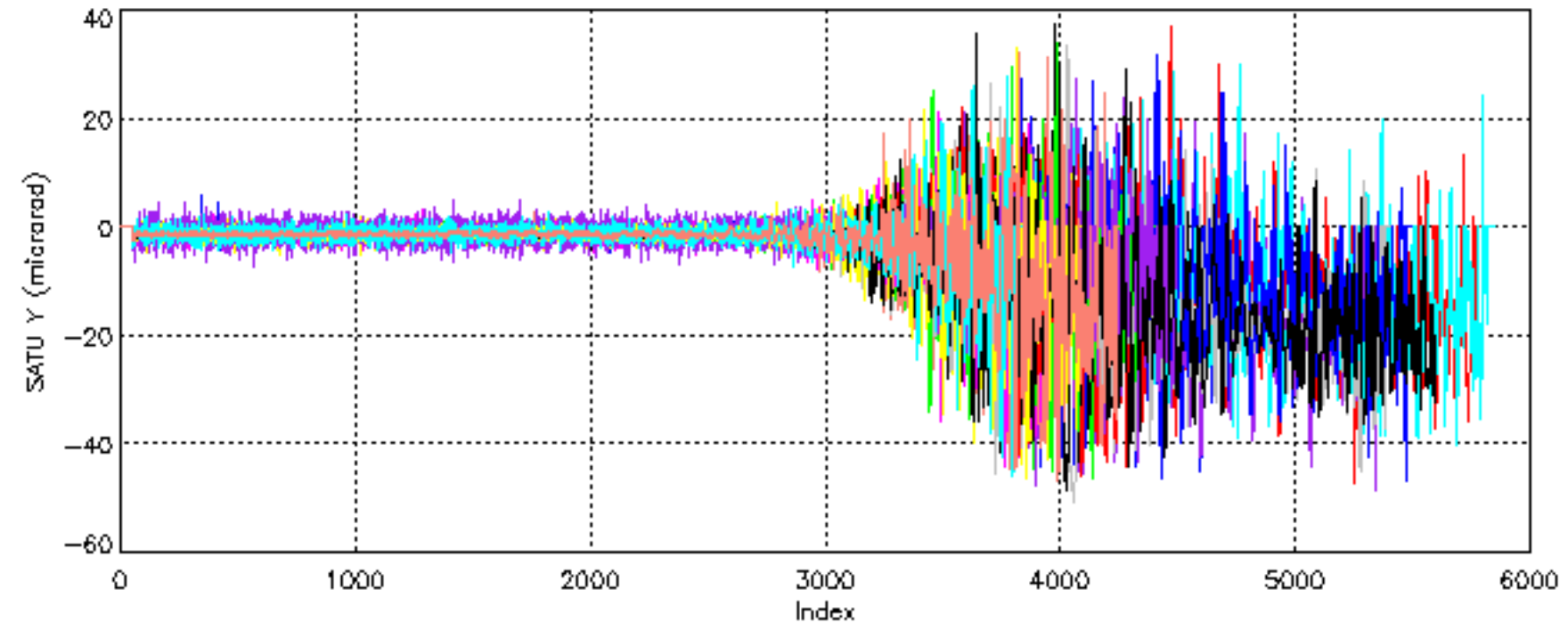


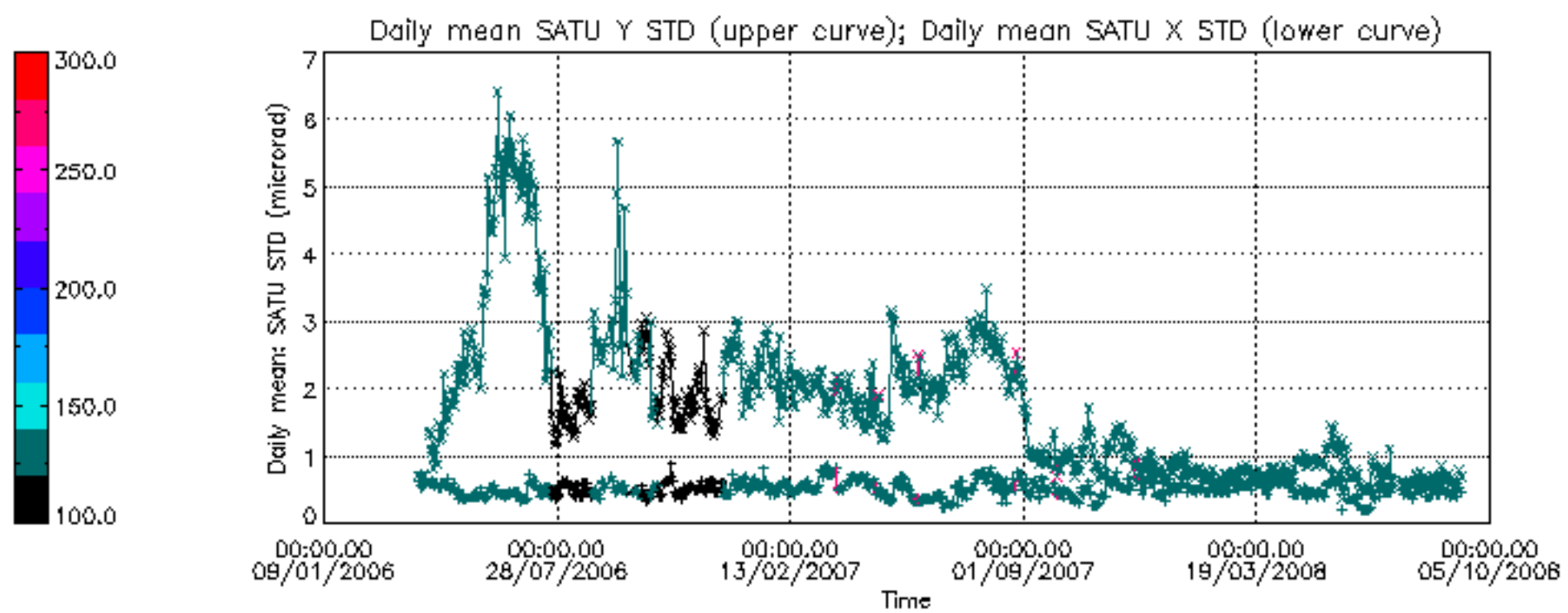
Tangent altitude at which the star is lost











/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20080901\_002049\_000056142071\_00388\_34009\_6374.N1

1; -659.4; 01-SEP-2008 00:20:49; Dark ; 50.0; 1; 9Alp CMA ; -1.44; 11000;occ; 100; 0;34009  
 2; -494.2; 01-SEP-2008 00:23:34; Dark ; 41.5; 23; 21Eps CMA ; 1.50; 26000;occ; 83; 0;34009  
 3; -399.8; 01-SEP-2008 00:25:09; Dark ; 44.0; 117; Pi Pup ; 2.71; 3800;occ; 88; 0;34009  
 4; -276.4; 01-SEP-2008 00:27:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34009  
 5; -89.7; 01-SEP-2008 00:30:19; Dark ; 49.0; 2; Alp Car ; -0.74; 7000;occ; 98; 0;34009  
 6; 529.6; 01-SEP-2008 00:40:38; Dark ; 38.0; 143; Alp Hyi ; 2.86; 7200;occ; 76; 0;34010  
 7; 606.7; 01-SEP-2008 00:41:55; Dark ; 45.0; 9; Alp Eri ; 0.45; 24000;occ; 90; 0;34010  
 8; 964.3; 01-SEP-2008 00:47:53; Dark ; 45.0; 84; Alp Phe ; 2.40; 4500;occ; 90; 0;34010  
 9; 1085.7; 01-SEP-2008 00:49:54; Dark ; 39.5; 31; Alp Gru ; 1.73; 15200;occ; 79; 0;34010  
 10; 1330.7; 01-SEP-2008 00:53:59; Dark ; 47.5; 18; 24Alp PsA ; 1.17; 9700;occ; 95; 0;34010  
 11; 1620.0; 01-SEP-2008 00:58:49; Dark ; 39.5; 142; 49Del Cap ; 2.85; 8900;occ; 79; 0;34010  
 12; 1807.9; 01-SEP-2008 01:01:56; Bright; 52.5; 154; 22Bet Aqr ; 2.90; 5700;occ; 105; 0;34010  
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9; 4476.3; 12-SEP-2008 22:48:12; Bright; 44.0; 24; 66Alp Gem ; 1.58; 10200;occ; 88; 0;34180
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6; 703.9; 12-SEP-2008 23:25:55; Dark ; 50.5; 9; Alp Eri ; 0.45; 24000;occ; 101; 0;34181
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11; 3045.5; 13-SEP-2008 00:04:57; Bright; 40.5; 74; 11Bet Cas ; 2.27; 6600;occ; 81; 0;34181
12; 3157.8; 13-SEP-2008 00:06:49; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;34181
13; 4476.5; 13-SEP-2008 00:28:48; Bright; 43.0; 24; 66Alp Gem ; 1.58; 10200;occ; 86; 0;34181
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7; 3074.4; 23-SEP-2008 21:38:52; Bright; 41.5; 76; 27Gam Cas ; 2.30; 30000;occ; 83; 0;34337
8; 4577.2; 23-SEP-2008 22:03:55; Bright; 51.0; 17; 78Bet Gem ; 1.16; 4500;occ; 102; 0;34337

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3; 2388.8; 25-SEP-2008 17:03:01; Bright; 38.5; 93; 53Bet Peg ; 2.52; 3100;occ; 77; 0;34363
4; 2972.3; 25-SEP-2008 17:12:44; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;34363
5; 3062.5; 25-SEP-2008 17:14:14; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;34363
6; 5097.9; 25-SEP-2008 17:48:10; Dark ; 65.0; 8; 10Alp CMI ; 0.40; 6500;occ; 130; 0;34363
7; 5532.7; 25-SEP-2008 17:55:25; Dark ; 42.0; 132; 15Rho Pup ; 2.80; 6900;occ; 84; 0;34363
8; 5732.5; 25-SEP-2008 17:58:44; Dark ; 46.0; 88; 31Eta CMA ; 2.45; 20000;occ; 92; 0;34363
9; 5822.6; 25-SEP-2008 18:00:15; Dark ; 54.0; 23; 21Eps CMA ; 1.50; 26000;occ; 108; 0;34363
10; 5943.4; 25-SEP-2008 18:02:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34363
11; 6071.2; 25-SEP-2008 18:04:23; Dark ; 40.5; 161; Tau Pup ; 2.93; 4500;occ; 81; 0;34363
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9; 5733.4; 25-SEP-2008 19:39:21; Dark ; 46.0; 88; 31Eta CMA ; 2.45; 20000;occ; 92; 0;34364
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11; 5944.0; 25-SEP-2008 19:42:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34364
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13; 6827.2; 25-SEP-2008 19:57:35; Dark ; 49.5; 9; Alp Eri ; 0.45; 24000;occ; 99; 0;34364
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3; 38.0; 26-SEP-2008 00:46:49; Dark ; 41.5; 161; Tau Pup ; 2.93; 4500;occ; 83; 0;34368
4; 792.3; 26-SEP-2008 00:59:24; Dark ; 47.5; 9; Alp Eri ; 0.45; 24000;occ; 95; 0;34368
5; 1121.1; 26-SEP-2008 01:04:53; Dark ; 41.5; 84; Alp Phe ; 2.40; 4500;occ; 83; 0;34368
6; 1548.2; 26-SEP-2008 01:12:00; Dark ; 51.5; 52; 16Bet Cet ; 2.04; 4500;occ; 103; 0;34368
7; 2166.5; 26-SEP-2008 01:22:18; Bright; 36.0; 90; 54Alp Peg ; 2.49; 11000;occ; 72; 0;34368
8; 2388.3; 26-SEP-2008 01:26:00; Bright; 39.0; 93; 53Bet Peg ; 2.52; 3100;occ; 78; 0;34368
9; 2970.7; 26-SEP-2008 01:35:42; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;34368
10; 3060.0; 26-SEP-2008 01:37:12; Bright; 39.5; 76; 27Gam Cas ; 2.30; 30000;occ; 79; 0;34368
11; 4584.4; 26-SEP-2008 02:02:36; Bright; 71.0; 17; 78Bet Gem ; 1.16; 4500;occ; 142; 0;34368
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4; 38.7; 26-SEP-2008 02:27:26; Dark ; 42.0; 161; Tau Pup ; 2.93; 4500;occ; 84; 0;34369
5; 792.8; 26-SEP-2008 02:40:00; Dark ; 43.0; 9; Alp Eri ; 0.45; 24000;occ; 86; 0;34369
6; 1121.5; 26-SEP-2008 02:45:29; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;34369
7; 1548.4; 26-SEP-2008 02:52:36; Dark ; 50.0; 52; 16Bet Cet ; 2.04; 4500;occ; 100; 0;34369
8; 2166.6; 26-SEP-2008 03:02:54; Bright; 37.0; 90; 54Alp Peg ; 2.49; 11000;occ; 74; 0;34369
9; 2388.3; 26-SEP-2008 03:06:36; Bright; 38.5; 93; 53Bet Peg ; 2.52; 3100;occ; 77; 0;34369
10; 2970.4; 26-SEP-2008 03:16:18; Bright; 37.5; 74; 11Bet Cas ; 2.27; 6600;occ; 75; 0;34369
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3; -499.1; 26-SEP-2008 03:59:04; Dark ; 44.0; 132; 15Rho Pup ; 2.80; 6900;occ; 88; 0;34369
4; -297.8; 26-SEP-2008 04:02:26; Dark ; 45.5; 88; 31Eta CMA ; 2.45; 20000;occ; 91; 0;34369
5; -206.6; 26-SEP-2008 04:03:57; Dark ; 50.0; 23; 21Eps CMA ; 1.50; 26000;occ; 100; 0;34369
6; -88.5; 26-SEP-2008 04:05:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34369
7; 39.5; 26-SEP-2008 04:08:03; Dark ; 41.0; 161; Tau Pup ; 2.93; 4500;occ; 82; 0;34370

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9; 1121.9; 26-SEP-2008 04:26:05; Dark ; 39.5; 84; Alp Phe ; 2.40; 4500;occ; 79; 0;34370
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11; 2166.7; 26-SEP-2008 04:43:30; Bright; 36.0; 90; 54Alp Peg ; 2.49; 11000;occ; 72; 0;34370
12; 2388.4; 26-SEP-2008 04:47:12; Bright; 38.0; 93; 53Bet Peg ; 2.52; 3100;occ; 76; 0;34370
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3; -498.3; 26-SEP-2008 05:39:41; Dark ; 44.5; 132; 15Rho Pup ; 2.80; 6900;occ; 89; 0;34370
4; -296.9; 26-SEP-2008 05:43:02; Dark ; 47.0; 88; 31Eta CMA ; 2.45; 20000;occ; 94; 0;34370
5; -205.4; 26-SEP-2008 05:44:34; Dark ; 50.5; 23; 21Eps CMA ; 1.50; 26000;occ; 101; 0;34370
6; -87.8; 26-SEP-2008 05:46:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34370
7; 40.2; 26-SEP-2008 05:48:40; Dark ; 40.5; 161; Tau Pup ; 2.93; 4500;occ; 81; 0;34371
8; 796.1; 26-SEP-2008 06:01:15; Dark ; 47.0; 9; Alp Eri ; 0.45; 24000;occ; 94; 0;34371
9; 1122.2; 26-SEP-2008 06:06:42; Dark ; 43.5; 84; Alp Phe ; 2.40; 4500;occ; 87; 0;34371
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11; 2166.6; 26-SEP-2008 06:24:06; Bright; 35.5; 90; 54Alp Peg ; 2.49; 11000;occ; 71; 0;34371
12; 2388.3; 26-SEP-2008 06:27:48; Bright; 38.5; 93; 53Bet Peg ; 2.52; 3100;occ; 77; 0;34371
13; 2969.9; 26-SEP-2008 06:37:29; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;34371
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8; 866.4; 26-SEP-2008 07:43:02; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;34372
9; 1122.6; 26-SEP-2008 07:47:18; Dark ; 44.5; 84; Alp Phe ; 2.40; 4500;occ; 89; 0;34372
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3; 2969.6; 26-SEP-2008 08:18:05; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;34372
4; 3058.5; 26-SEP-2008 08:19:34; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;34372
5; 4585.4; 26-SEP-2008 08:45:01; Bright; 53.5; 17; 78Bet Gem ; 1.16; 4500;occ; 107; 0;34372
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7; 5539.0; 26-SEP-2008 09:00:54; Dark ; 43.0; 132; 15Rho Pup ; 2.80; 6900;occ; 86; 0;34372
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11; 6077.5; 26-SEP-2008 09:09:53; Dark ; 42.5; 161; Tau Pup ; 2.93; 4500;occ; 85; 0;34372
12; 6903.2; 26-SEP-2008 09:23:39; Dark ; 51.5; 157; The1Eri ; 2.91; 9300;occ; 103; 0;34372
13; 7158.8; 26-SEP-2008 09:27:54; Dark ; 44.0; 84; Alp Phe ; 2.40; 4500;occ; 88; 0;34372
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3; 2969.2; 26-SEP-2008 09:58:40; Bright; 37.5; 74; 11Bet Cas ; 2.27; 6600;occ; 75; 0;34373
4; 3058.1; 26-SEP-2008 10:00:09; Bright; 56.5; 76; 27Gam Cas ; 2.30; 30000;occ; 113; 0;34373
5; 4585.7; 26-SEP-2008 10:25:37; Bright; 53.0; 17; 78Bet Gem ; 1.16; 4500;occ; 106; 0;34373
6; 5106.2; 26-SEP-2008 10:34:17; Dark ; 28.0; 8; 10Alp CMi ; 0.40; 6500;occ; 56; 0;34373
7; 5539.7; 26-SEP-2008 10:41:31; Dark ; 42.5; 132; 15Rho Pup ; 2.80; 6900;occ; 85; 0;34373
8; 5741.9; 26-SEP-2008 10:44:53; Dark ; 47.5; 88; 31Eta CMA ; 2.45; 20000;occ; 95; 0;34373
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12; 6903.8; 26-SEP-2008 11:04:15; Dark ; 50.0; 157; The1Eri ; 2.91; 9300;occ; 100; 0;34373
13; 7159.1; 26-SEP-2008 11:08:30; Dark ; 39.5; 84; Alp Phe ; 2.40; 4500;occ; 79; 0;34373
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3; 2968.8; 26-SEP-2008 11:39:16; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;34374
4; 3057.6; 26-SEP-2008 11:40:45; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;34374

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4; 3057.2; 26-SEP-2008 13:21:20; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;34375
5; 4586.1; 26-SEP-2008 13:46:49; Bright; 53.5; 17; 78Bet Gem ; 1.16; 4500;occ; 107; 0;34375
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 3; 1948.4; 27-SEP-2008 07:29:27; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;34386
 4; 2053.1; 27-SEP-2008 07:31:11; Bright; 21.0; 0; ; 0.00; 0;occ; 42; 0;34386
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 2; 1826.4; 27-SEP-2008 09:08:01; Bright; 59.5; 0; ; 0.00; 0;occ; 119; 0;34387

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2; 2166.6; 27-SEP-2008 14:15:29; Bright; 36.5; 90; 54Alp Peg ; 2.49; 11000;occ; 73; 0;34390
3; 2387.2; 27-SEP-2008 14:19:09; Bright; 46.0; 93; 53Bet Peg ; 2.52; 3100;occ; 92; 0;34390
4; 2964.1; 27-SEP-2008 14:28:46; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;34390
5; 3050.6; 27-SEP-2008 14:30:13; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;34390
6; 3429.3; 27-SEP-2008 14:36:31; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;34390
7; 3900.2; 27-SEP-2008 14:44:22; Bright; 36.5; 36; 50Alp UMa ; 1.80; 6300;occ; 73; 0;34390
8; 3989.5; 27-SEP-2008 14:45:52; Bright; 35.0; 82; 48Bet UMa ; 2.37; 10600;occ; 70; 0;34390
9; 4579.3; 27-SEP-2008 14:55:41; Bright; 34.0; 166; 17Eps Leo ; 2.98; 6000;occ; 68; 0;34390
10; 5145.1; 27-SEP-2008 15:05:07; Dark ; 51.5; 48; 30Alp Hya ; 1.98; 4100;occ; 103; 0;34390
11; 5552.1; 27-SEP-2008 15:11:54; Dark ; 43.0; 132; 15Rho Pup ; 2.80; 6900;occ; 86; 0;34390
12; 5726.1; 27-SEP-2008 15:14:48; Dark ; 43.5; 65; Lam Vel ; 2.20; 4400;occ; 87; 0;34390
13; 5873.6; 27-SEP-2008 15:17:16; Dark ; 38.5; 34; Gam2Vel ; 1.79; 23000;occ; 77; 0;34390
14; 5962.0; 27-SEP-2008 15:18:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34390
15; 6090.3; 27-SEP-2008 15:20:52; Dark ; 42.0; 161; Tau Pup ; 2.93; 4500;occ; 84; 0;34390
16; 6174.1; 27-SEP-2008 15:22:16; Dark ; 57.5; 2; Alp Car ;-0.74; 7000;occ; 115; 0;34390
17; 6750.6; 27-SEP-2008 15:31:53; Dark ; 37.5; 143; Alp Hyi ; 2.86; 7200;occ; 75; 0;34390
18; 6838.1; 27-SEP-2008 15:33:20; Dark ; 48.5; 9; Alp Eri ; 0.45; 24000;occ; 97; 0;34390
19; 7164.5; 27-SEP-2008 15:38:46; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;34390
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2; 2166.6; 27-SEP-2008 15:56:05; Bright; 36.5; 90; 54Alp Peg ; 2.49; 11000;occ; 73; 0;34391
3; 2387.1; 27-SEP-2008 15:59:45; Bright; 37.5; 93; 53Bet Peg ; 2.52; 3100;occ; 75; 0;34391
4; 2963.7; 27-SEP-2008 16:09:22; Bright; 38.0; 74; 11Bet Cas ; 2.27; 6600;occ; 76; 0;34391
5; 3050.2; 27-SEP-2008 16:10:48; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;34391
6; 3429.3; 27-SEP-2008 16:17:07; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;34391
7; 3900.3; 27-SEP-2008 16:24:58; Bright; 36.0; 36; 50Alp UMa ; 1.80; 6300;occ; 72; 0;34391
8; 3989.6; 27-SEP-2008 16:26:28; Bright; 33.0; 82; 48Bet UMa ; 2.37; 10600;occ; 66; 0;34391
9; 4579.4; 27-SEP-2008 16:36:17; Bright; 34.0; 166; 17Eps Leo ; 2.98; 6000;occ; 68; 0;34391
10; 5145.4; 27-SEP-2008 16:45:43; Dark ; 49.0; 48; 30Alp Hya ; 1.98; 4100;occ; 98; 0;34391
11; 5552.9; 27-SEP-2008 16:52:31; Dark ; 47.5; 132; 15Rho Pup ; 2.80; 6900;occ; 95; 0;34391
12; 5726.5; 27-SEP-2008 16:55:24; Dark ; 44.0; 65; Lam Vel ; 2.20; 4400;occ; 88; 0;34391
13; 5874.3; 27-SEP-2008 16:57:52; Dark ; 41.0; 34; Gam2Vel ; 1.79; 23000;occ; 82; 0;34391
14; 5962.8; 27-SEP-2008 16:59:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34391
15; 6091.1; 27-SEP-2008 17:01:29; Dark ; 42.0; 161; Tau Pup ; 2.93; 4500;occ; 84; 0;34391
16; 6751.0; 27-SEP-2008 17:12:29; Dark ; 37.5; 143; Alp Hyi ; 2.86; 7200;occ; 75; 0;34391
17; 6838.5; 27-SEP-2008 17:13:56; Dark ; 50.0; 9; Alp Eri ; 0.45; 24000;occ; 100; 0;34391
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2; 1551.6; 27-SEP-2008 17:26:26; Dark ; 52.5; 52; 16Bet Cet ; 2.04; 4500;occ; 105; 0;34392
3; 2166.6; 27-SEP-2008 17:36:41; Bright; 36.0; 90; 54Alp Peg ; 2.49; 11000;occ; 72; 0;34392
4; 2387.0; 27-SEP-2008 17:40:21; Bright; 38.0; 93; 53Bet Peg ; 2.52; 3100;occ; 76; 0;34392
5; 2963.4; 27-SEP-2008 17:49:57; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;34392
6; 3049.8; 27-SEP-2008 17:51:24; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;34392
7; 3429.2; 27-SEP-2008 17:57:43; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;34392
8; 3900.4; 27-SEP-2008 18:05:34; Bright; 35.5; 36; 50Alp UMa ; 1.80; 6300;occ; 71; 0;34392
9; 3990.1; 27-SEP-2008 18:07:04; Bright; 33.5; 82; 48Bet UMa ; 2.37; 10600;occ; 67; 0;34392
10; 4579.6; 27-SEP-2008 18:16:54; Bright; 34.5; 166; 17Eps Leo ; 2.98; 6000;occ; 69; 0;34392
11; 5145.7; 27-SEP-2008 18:26:20; Dark ; 47.5; 48; 30Alp Hya ; 1.98; 4100;occ; 95; 0;34392
12; 5553.6; 27-SEP-2008 18:33:08; Dark ; 45.0; 132; 15Rho Pup ; 2.80; 6900;occ; 90; 0;34392
13; 5726.8; 27-SEP-2008 18:36:01; Dark ; 44.5; 65; Lam Vel ; 2.20; 4400;occ; 89; 0;34392
14; 5874.6; 27-SEP-2008 18:38:29; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;34392
15; 5963.5; 27-SEP-2008 18:39:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34392
16; 6091.8; 27-SEP-2008 18:42:06; Dark ; 43.5; 161; Tau Pup ; 2.93; 4500;occ; 87; 0;34392
17; 6751.4; 27-SEP-2008 18:53:05; Dark ; 38.0; 143; Alp Hyi ; 2.86; 7200;occ; 76; 0;34392
18; 6838.9; 27-SEP-2008 18:54:33; Dark ; 40.0; 9; Alp Eri ; 0.45; 24000;occ; 80; 0;34392
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2; 1551.7; 27-SEP-2008 19:07:02; Dark ; 51.5; 52; 16Bet Cet ; 2.04; 4500;occ; 103; 0;34393
3; 2166.6; 27-SEP-2008 19:17:17; Bright; 37.0; 90; 54Alp Peg ; 2.49; 11000;occ; 74; 0;34393
4; 2387.0; 27-SEP-2008 19:20:57; Bright; 37.0; 93; 53Bet Peg ; 2.52; 3100;occ; 74; 0;34393
5; 2963.0; 27-SEP-2008 19:30:33; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;34393
6; 3049.3; 27-SEP-2008 19:31:59; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;34393
7; 3429.1; 27-SEP-2008 19:38:19; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;34393
8; 3900.5; 27-SEP-2008 19:46:10; Bright; 33.0; 36; 50Alp UMa ; 1.80; 6300;occ; 66; 0;34393

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9; 3989.8; 27-SEP-2008 19:47:40; Bright; 34.0; 82; 48Bet UMA ; 2.37; 10600;occ; 68; 0;34393  
 10; 4579.6; 27-SEP-2008 19:57:30; Bright; 34.5; 166; 17Eps Leo ; 2.98; 6000;occ; 69; 0;34393  
 11; 5146.0; 27-SEP-2008 20:06:56; Dark ; 45.0; 48; 30Alp Hya ; 1.98; 4100;occ; 90; 0;34393  
 12; 5554.3; 27-SEP-2008 20:13:44; Dark ; 42.5; 132; 15Rho Pup ; 2.80; 6900;occ; 85; 0;34393  
 13; 5727.0; 27-SEP-2008 20:16:37; Dark ; 45.5; 65; Lam Vel ; 2.20; 4400;occ; 91; 0;34393  
 14; 5875.1; 27-SEP-2008 20:19:05; Dark ; 37.5; 34; Gam2Vel ; 1.79; 23000;occ; 75; 0;34393  
 15; 5964.2; 27-SEP-2008 20:20:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34393  
 16; 6092.4; 27-SEP-2008 20:22:42; Dark ; 41.5; 161; Tau Pup ; 2.93; 4500;occ; 83; 0;34393  
 17; 6751.7; 27-SEP-2008 20:33:42; Dark ; 37.5; 143; Alp Hyi ; 2.86; 7200;occ; 75; 0;34393  
 18; 6839.2; 27-SEP-2008 20:35:09; Dark ; 50.0; 9; Alp Eri ; 0.45; 24000;occ; 100; 0;34393

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 3; -159.5; 28-SEP-2008 01:20:54; Dark ; 39.0; 34; Gam2Vel ; 1.79; 23000;occ; 78; 0;34396  
 4; -69.7; 28-SEP-2008 01:22:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34396  
 5; 58.6; 28-SEP-2008 01:24:32; Dark ; 41.5; 161; Tau Pup ; 2.93; 4500;occ; 83; 0;34397  
 6; 716.9; 28-SEP-2008 01:35:30; Dark ; 39.5; 143; Alp Hyi ; 2.86; 7200;occ; 79; 0;34397  
 7; 804.5; 28-SEP-2008 01:36:58; Dark ; 40.0; 9; Alp Eri ; 0.45; 24000;occ; 80; 0;34397  
 8; 1130.2; 28-SEP-2008 01:42:24; Dark ; 40.5; 84; Alp Phe ; 2.40; 4500;occ; 81; 0;34397  
 9; 1552.3; 28-SEP-2008 01:49:26; Dark ; 50.5; 52; 16Bet Cet ; 2.04; 4500;occ; 101; 0;34397  
 10; 2166.4; 28-SEP-2008 01:59:40; Bright; 36.5; 90; 54Alp Peg ; 2.49; 11000;occ; 73; 0;34397  
 11; 2386.8; 28-SEP-2008 02:03:20; Bright; 38.5; 93; 53Bet Peg ; 2.52; 3100;occ; 77; 0;34397  
 12; 2961.9; 28-SEP-2008 02:12:55; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;34397  
 13; 3047.6; 28-SEP-2008 02:14:21; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;34397  
 14; 3429.1; 28-SEP-2008 02:20:43; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;34397  
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 3; -1455.5; 28-SEP-2008 02:39:54; Bright; 33.0; 166; 17Eps Leo ; 2.98; 6000;occ; 66; 0;34397  
 4; -888.6; 28-SEP-2008 02:49:21; Dark ; 42.5; 48; 30Alp Hya ; 1.98; 4100;occ; 85; 0;34397  
 5; -478.6; 28-SEP-2008 02:56:11; Dark ; 45.5; 132; 15Rho Pup ; 2.80; 6900;occ; 91; 0;34397  
 6; -307.5; 28-SEP-2008 02:59:02; Dark ; 44.0; 65; Lam Vel ; 2.20; 4400;occ; 88; 0;34397  
 7; -158.8; 28-SEP-2008 03:01:31; Dark ; 39.0; 34; Gam2Vel ; 1.79; 23000;occ; 78; 0;34397  
 8; -69.0; 28-SEP-2008 03:03:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34397  
 9; 59.3; 28-SEP-2008 03:05:09; Dark ; 42.0; 161; Tau Pup ; 2.93; 4500;occ; 84; 0;34398  
 10; 717.4; 28-SEP-2008 03:16:07; Dark ; 38.5; 143; Alp Hyi ; 2.86; 7200;occ; 77; 0;34398  
 11; 805.0; 28-SEP-2008 03:17:34; Dark ; 43.5; 9; Alp Eri ; 0.45; 24000;occ; 87; 0;34398  
 12; 1130.6; 28-SEP-2008 03:23:00; Dark ; 40.0; 84; Alp Phe ; 2.40; 4500;occ; 80; 0;34398  
 13; 1552.5; 28-SEP-2008 03:30:02; Dark ; 50.0; 52; 16Bet Cet ; 2.04; 4500;occ; 100; 0;34398  
 14; 2166.7; 28-SEP-2008 03:40:16; Bright; 36.5; 90; 54Alp Peg ; 2.49; 11000;occ; 73; 0;34398  
 15; 2386.9; 28-SEP-2008 03:43:56; Bright; 48.0; 93; 53Bet Peg ; 2.52; 3100;occ; 96; 0;34398  
 16; 2961.6; 28-SEP-2008 03:53:31; Bright; 38.0; 74; 11Bet Cas ; 2.27; 6600;occ; 76; 0;34398  
 17; 3047.2; 28-SEP-2008 03:54:57; Bright; 39.5; 76; 27Gam Cas ; 2.30; 30000;occ; 79; 0;34398  
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 3; -1455.2; 28-SEP-2008 04:20:30; Bright; 33.5; 166; 17Eps Leo ; 2.98; 6000;occ; 67; 0;34398  
 4; -888.2; 28-SEP-2008 04:29:57; Dark ; 52.0; 48; 30Alp Hya ; 1.98; 4100;occ; 104; 0;34398  
 5; -477.9; 28-SEP-2008 04:36:48; Dark ; 44.0; 132; 15Rho Pup ; 2.80; 6900;occ; 88; 0;34398  
 6; -307.2; 28-SEP-2008 04:39:38; Dark ; 40.0; 65; Lam Vel ; 2.20; 4400;occ; 80; 0;34398  
 7; -158.2; 28-SEP-2008 04:42:07; Dark ; 42.0; 34; Gam2Vel ; 1.79; 23000;occ; 84; 0;34398  
 8; -68.2; 28-SEP-2008 04:43:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34398  
 9; 717.8; 28-SEP-2008 04:56:43; Dark ; 38.0; 143; Alp Hyi ; 2.86; 7200;occ; 76; 0;34399  
 10; 805.4; 28-SEP-2008 04:58:11; Dark ; 48.5; 9; Alp Eri ; 0.45; 24000;occ; 97; 0;34399  
 11; 1130.8; 28-SEP-2008 05:03:36; Dark ; 39.0; 84; Alp Phe ; 2.40; 4500;occ; 78; 0;34399  
 12; 1552.7; 28-SEP-2008 05:10:38; Dark ; 50.0; 52; 16Bet Cet ; 2.04; 4500;occ; 100; 0;34399  
 13; 2166.7; 28-SEP-2008 05:20:52; Bright; 36.5; 90; 54Alp Peg ; 2.49; 11000;occ; 73; 0;34399  
 14; 2386.9; 28-SEP-2008 05:24:32; Bright; 37.0; 93; 53Bet Peg ; 2.52; 3100;occ; 74; 0;34399  
 15; 2961.4; 28-SEP-2008 05:34:07; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;34399  
 16; 3046.8; 28-SEP-2008 05:35:32; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;34399  
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 3; -1455.0; 28-SEP-2008 06:01:06; Bright; 34.0; 166; 17Eps Leo ; 2.98; 6000;occ; 68; 0;34399  
 4; -887.9; 28-SEP-2008 06:10:34; Dark ; 42.0; 48; 30Alp Hya ; 1.98; 4100;occ; 84; 0;34399



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5; -477.3; 28-SEP-2008 06:17:24; Dark ; 41.5; 132; 15Rho Pup ; 2.80; 6900;occ; 83; 0;34399
6; -306.9; 28-SEP-2008 06:20:15; Dark ; 47.5; 65; Lam Vel ; 2.20; 4400;occ; 95; 0;34399
7; -157.7; 28-SEP-2008 06:22:44; Dark ; 41.0; 34; Gam2Vel ; 1.79; 23000;occ; 82; 0;34399
8; -67.5; 28-SEP-2008 06:24:14; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;34399
9; 60.7; 28-SEP-2008 06:26:22; Dark ; 43.5; 161; Tau Pup ; 2.93; 4500;occ; 87; 0;34400
10; 144.8; 28-SEP-2008 06:27:46; Dark ; 59.0; 2; Alp Car ;-0.74; 7000;occ; 118; 0;34400
11; 718.2; 28-SEP-2008 06:37:20; Dark ; 38.5; 143; Alp Hyi ; 2.86; 7200;occ; 77; 0;34400
12; 805.8; 28-SEP-2008 06:38:47; Dark ; 40.0; 9; Alp Eri ; 0.45; 24000;occ; 80; 0;34400
13; 1131.1; 28-SEP-2008 06:44:13; Dark ; 44.5; 84; Alp Phe ; 2.40; 4500;occ; 89; 0;34400
14; 1552.8; 28-SEP-2008 06:51:14; Dark ; 49.5; 52; 16Bet Cet ; 2.04; 4500;occ; 99; 0;34400
15; 2166.7; 28-SEP-2008 07:01:28; Bright; 36.5; 90; 54Alp Peg ; 2.49; 11000;occ; 73; 0;34400
16; 2386.8; 28-SEP-2008 07:05:08; Bright; 35.5; 93; 53Bet Peg ; 2.52; 3100;occ; 71; 0;34400
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18; 3046.3; 28-SEP-2008 07:16:08; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;34400
19; 3429.1; 28-SEP-2008 07:22:31; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;34400
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3; 2167.0; 28-SEP-2008 20:26:16; Bright; 37.5; 90; 54Alp Peg ; 2.49; 11000;occ; 75; 0;34408
4; 2386.5; 28-SEP-2008 20:29:56; Bright; 37.5; 93; 53Bet Peg ; 2.52; 3100;occ; 75; 0;34408
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 3; -1452.3; 29-SEP-2008 07:10:08; Bright; 34.5; 166; 17Eps Leo ; 2.98; 6000;occ; 69; 0;34414
 4; -882.4; 29-SEP-2008 07:19:38; Dark ; 46.0; 48; 30Alp Hya ; 1.98; 4100;occ; 92; 0;34414
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 7; -149.9; 29-SEP-2008 07:31:51; Dark ; 39.5; 34; Gam2Vel ; 1.79; 23000;occ; 79; 0;34414
 8; -56.7; 29-SEP-2008 07:33:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34414
 9; 71.7; 29-SEP-2008 07:35:32; Dark ; 41.5; 161; Tau Pup ; 2.93; 4500;occ; 83; 0;34415
10; 155.7; 29-SEP-2008 07:36:56; Dark ; 46.0; 2; Alp Car ; -0.74; 7000;occ; 92; 0;34415
11; 724.1; 29-SEP-2008 07:46:25; Dark ; 39.0; 143; Alp Hyi ; 2.86; 7200;occ; 78; 0;34415
12; 811.8; 29-SEP-2008 07:47:52; Dark ; 46.5; 9; Alp Eri ; 0.45; 24000;occ; 93; 0;34415
13; 1135.6; 29-SEP-2008 07:53:16; Dark ; 42.0; 84; Alp Phe ; 2.40; 4500;occ; 84; 0;34415
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 4; 3040.1; 29-SEP-2008 08:25:01; Bright; 39.5; 76; 27Gam Cas ; 2.30; 30000;occ; 79; 0;34415
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 8; 4584.0; 29-SEP-2008 08:50:44; Bright; 34.0; 166; 17Eps Leo ; 2.98; 6000;occ; 68; 0;34415
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13; 5979.9; 29-SEP-2008 09:14:00; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;34415
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15; 6192.4; 29-SEP-2008 09:17:33; Dark ; 46.5; 2; Alp Car ; -0.74; 7000;occ; 93; 0;34415
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17; 6848.1; 29-SEP-2008 09:28:29; Dark ; 47.5; 9; Alp Eri ; 0.45; 24000;occ; 95; 0;34415
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19; 7590.8; 29-SEP-2008 09:40:51; Dark ; 49.5; 52; 16Bet Cet ; 2.04; 4500;occ; 99; 0;34415
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 5; 3428.8; 29-SEP-2008 10:12:05; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;34416
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 9; 5154.1; 29-SEP-2008 10:40:51; Dark ; 43.0; 48; 30Alp Hya ; 1.98; 4100;occ; 86; 0;34416
10; 5571.7; 29-SEP-2008 10:47:48; Dark ; 44.0; 132; 15Rho Pup ; 2.80; 6900;occ; 88; 0;34416
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13; 5980.6; 29-SEP-2008 10:54:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34416
14; 6109.0; 29-SEP-2008 10:56:45; Dark ; 42.0; 161; Tau Pup ; 2.93; 4500;occ; 84; 0;34416
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16; 6760.8; 29-SEP-2008 11:07:37; Dark ; 38.5; 143; Alp Hyi ; 2.86; 7200;occ; 77; 0;34416
17; 6848.4; 29-SEP-2008 11:09:05; Dark ; 47.5; 9; Alp Eri ; 0.45; 24000;occ; 95; 0;34416
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4; 2956.2; 29-SEP-2008 11:44:48; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;34417  
5; 3039.1; 29-SEP-2008 11:46:11; Bright; 41.0; 76; 27Gam Cas ; 2.30; 30000;occ; 82; 0;34417  
6; 3428.7; 29-SEP-2008 11:52:41; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;34417  
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9; 4584.2; 29-SEP-2008 12:11:56; Bright; 34.0; 166; 17Eps Leo ; 2.98; 6000;occ; 68; 0;34417  
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13; 5887.6; 29-SEP-2008 12:33:40; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;34417  
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15; 6109.8; 29-SEP-2008 12:37:22; Dark ; 42.0; 161; Tau Pup ; 2.93; 4500;occ; 84; 0;34417  
16; 6193.8; 29-SEP-2008 12:38:46; Dark ; 57.0; 2; Alp Car ; -0.74; 7000;occ; 114; 0;34417  
17; 6761.1; 29-SEP-2008 12:48:13; Dark ; 37.0; 143; Alp Hyi ; 2.86; 7200;occ; 74; 0;34417  
18; 6848.8; 29-SEP-2008 12:49:41; Dark ; 43.0; 9; Alp Eri ; 0.45; 24000;occ; 86; 0;34417  
19; 7172.3; 29-SEP-2008 12:55:05; Dark ; 41.5; 84; Alp Phe ; 2.40; 4500;occ; 83; 0;34417  
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4; 2956.0; 29-SEP-2008 13:25:24; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;34418  
5; 3038.8; 29-SEP-2008 13:26:47; Bright; 39.5; 76; 27Gam Cas ; 2.30; 30000;occ; 79; 0;34418  
6; 3428.8; 29-SEP-2008 13:33:17; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;34418  
7; 3903.6; 29-SEP-2008 13:41:12; Bright; 34.5; 36; 50Alp UMa ; 1.80; 6300;occ; 69; 0;34418  
8; 3993.5; 29-SEP-2008 13:42:42; Bright; 34.0; 82; 48Bet UMa ; 2.37; 10600;occ; 68; 0;34418  
9; 4584.5; 29-SEP-2008 13:52:33; Bright; 34.5; 166; 17Eps Leo ; 2.98; 6000;occ; 69; 0;34418  
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13; 5888.2; 29-SEP-2008 14:14:16; Dark ; 39.0; 34; Gam2Vel ; 1.79; 23000;occ; 78; 0;34418  
14; 5982.1; 29-SEP-2008 14:15:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;34418  
15; 6110.5; 29-SEP-2008 14:17:59; Dark ; 52.0; 161; Tau Pup ; 2.93; 4500;occ; 104; 0;34418  
16; 6194.6; 29-SEP-2008 14:19:23; Dark ; 59.5; 2; Alp Car ; -0.74; 7000;occ; 119; 0;34418  
17; 6761.7; 29-SEP-2008 14:28:50; Dark ; 38.0; 143; Alp Hyi ; 2.86; 7200;occ; 76; 0;34418  
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19; 7172.7; 29-SEP-2008 14:35:41; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;34418

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4; 2955.7; 29-SEP-2008 15:06:00; Bright; 37.5; 74; 11Bet Cas ; 2.27; 6600;occ; 75; 0;34419  
5; 3038.4; 29-SEP-2008 15:07:22; Bright; 36.5; 76; 27Gam Cas ; 2.30; 30000;occ; 73; 0;34419  
6; 3428.8; 29-SEP-2008 15:13:53; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;34419  
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13; 5888.9; 29-SEP-2008 15:54:53; Dark ; 40.5; 34; Gam2Vel ; 1.79; 23000;occ; 81; 0;34419  
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15; 6111.4; 29-SEP-2008 15:58:35; Dark ; 41.5; 161; Tau Pup ; 2.93; 4500;occ; 83; 0;34419  
16; 6195.4; 29-SEP-2008 15:59:59; Dark ; 46.5; 2; Alp Car ; -0.74; 7000;occ; 93; 0;34419  
17; 6762.1; 29-SEP-2008 16:09:26; Dark ; 38.0; 143; Alp Hyi ; 2.86; 7200;occ; 76; 0;34419  
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3; 2167.1; 29-SEP-2008 16:33:27; Bright; 36.5; 90; 54Alp Peg ; 2.49; 11000;occ; 73; 0;34420  
4; 2386.2; 29-SEP-2008 16:37:06; Bright; 38.0; 93; 53Bet Peg ; 2.52; 3100;occ; 76; 0;34420  
5; 2955.5; 29-SEP-2008 16:46:36; Bright; 38.5; 74; 11Bet Cas ; 2.27; 6600;occ; 77; 0;34420  
6; 3038.1; 29-SEP-2008 16:47:58; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;34420  
7; 3428.8; 29-SEP-2008 16:54:29; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;34420  
8; 3903.9; 29-SEP-2008 17:02:24; Bright; 34.0; 36; 50Alp UMa ; 1.80; 6300;occ; 68; 0;34420  
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 11; 5155.8; 29-SEP-2008 17:23:16; Dark ; 48.5; 48; 30Alp Hya ; 1.98; 4100;occ; 97; 0;34420  
 12; 5575.0; 29-SEP-2008 17:30:15; Dark ; 44.5; 132; 15Rho Pup ; 2.80; 6900;occ; 89; 0;34420  
 13; 5736.7; 29-SEP-2008 17:32:57; Dark ; 43.0; 65; Lam Vel ; 2.20; 4400;occ; 86; 0;34420  
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 17; 6196.9; 29-SEP-2008 19:21:13; Dark ; 47.0; 2; Alp Car ; -0.74; 7000;occ; 94; 0;34421  
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