

# GOMOS Daily Report 02-FEB-2011

## Level 0 and Level 1 products

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

Item	Value
Time of report generation	05FEB2011 04:53:39
Data source version	GOMOS/5.01
Start time of products	02FEB2011 00:01:39
Stop time of products	02FEB2011 23:55:03
Store outputs in DB	Yes
Nb of level 1b prods	113
Nb of prods with errors	0

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

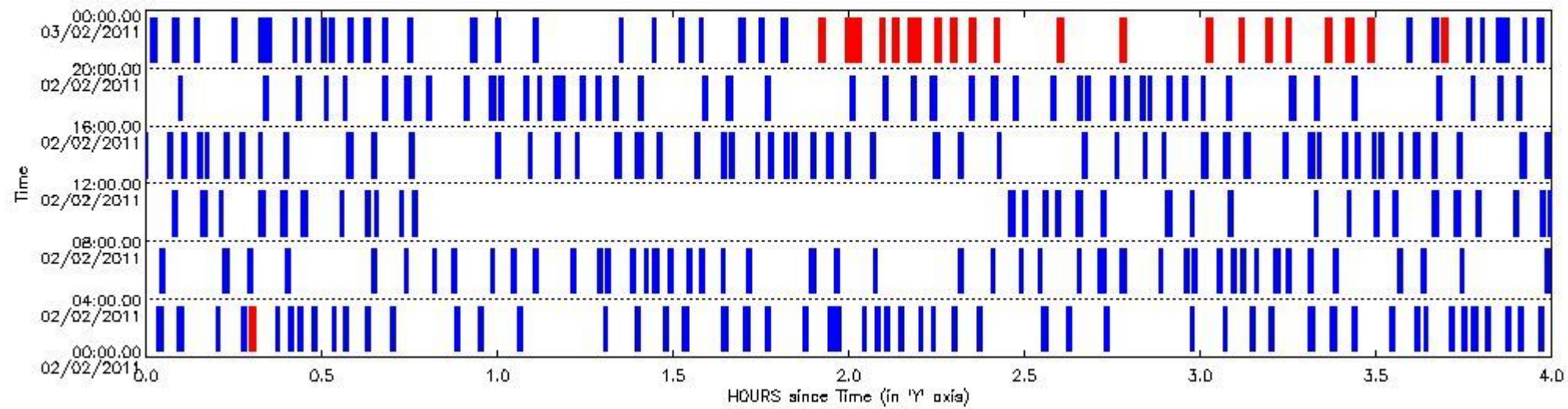
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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
02-FEB-2011 00:17:35	6PiSco	158	46668
02-FEB-2011 21:54:56	35EtaOph	86	46681
02-FEB-2011 21:59:20	21AlpSco	16	46681
02-FEB-2011 22:00:49	6PiSco	158	46681
02-FEB-2011 22:05:09	GamLup	131	46681
02-FEB-2011 22:07:25	BetLup	109	46682
02-FEB-2011 22:10:11	Alp1Cen	4	46682
02-FEB-2011 22:11:24	BetCen	10	46682
02-FEB-2011 22:14:45	Alp1Cru	12	46682
02-FEB-2011 22:17:19	DSA1053	0	46682
02-FEB-2011 22:20:29	MuVel	113	46682
02-FEB-2011 22:24:46	LamVel	65	46682
02-FEB-2011 22:35:34	30AlpHya	48	46682
02-FEB-2011 22:46:20	78BetGem	17	46682
02-FEB-2011 23:00:51	50AlpUMa	36	46682

02-FEB-2011 23:06:31	7BetUMi	60	46682
02-FEB-2011 23:11:15	14EtaDra	119	46682
02-FEB-2011 23:14:31	23BetDra	130	46682
02-FEB-2011 23:21:14	40ZetHer	133	46682
02-FEB-2011 23:24:57	27BetHer	127	46682
02-FEB-2011 23:28:37	60BetOph	126	46682
02-FEB-2011 23:41:04	6PiSco	158	46682

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

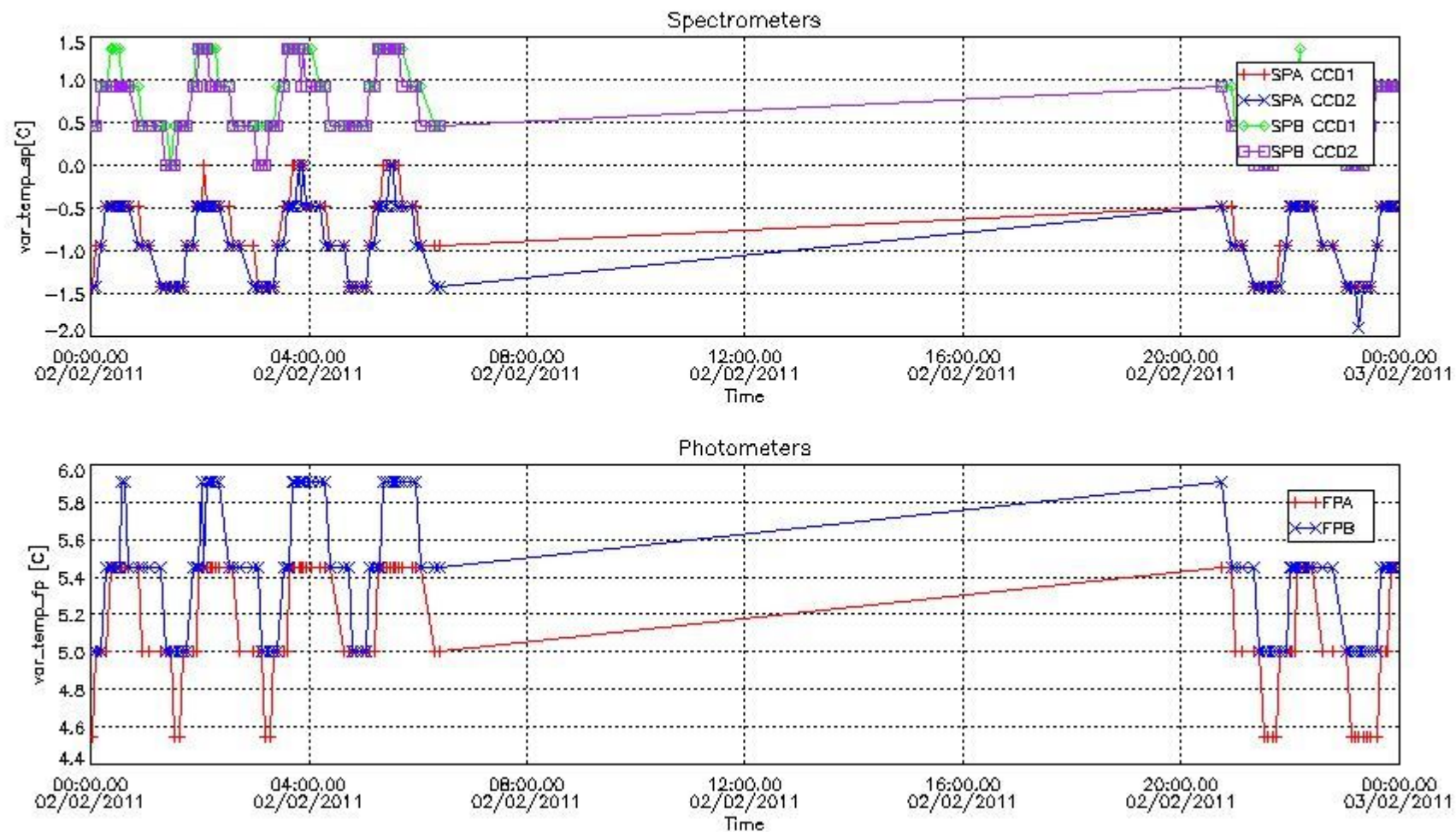
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20110202_000139_000000683099_00102_46668_8416.N1	02-FEB-2011 00:01:39	Bright	68.000	127	27Bet Her	2.7810	4700.0	136	46668	No
2	GOM_TRA_1PNPDE20110202_000520_000000553099_00102_46668_8417.N1	02-FEB-2011 00:05:20	Bright	55.000	126	60Bet Oph	2.7700	4250.0	110	46668	No
3	GOM_TRA_1PNPDE20110202_001150_000000453099_00102_46668_8422.N1	02-FEB-2011 00:11:50	Twilight	45.000	86	35Eta Oph	2.4300	10200.	90	46668	No
4	GOM_TRA_1PNPDE20110202_001611_000000573099_00102_46668_8423.N1	02-FEB-2011 00:16:11	Dark	57.000	16	21Alp Sco	1.0200	3000.0	114	46668	No
5	GOM_TRA_1PNPDE20110202_002159_000000443099_00102_46668_8424.N1	02-FEB-2011 00:21:59	Dark	43.500	131	Gam Lup	2.8000	26000.	87	46668	No
6	GOM_TRA_1PNPDE20110202_002414_000000473099_00103_46669_8425.N1	02-FEB-2011 00:24:14	Dark	46.500	109	Bet Lup	2.6770	26000.	93	46669	No
7	GOM_TRA_1PNPDE20110202_002817_000000503099_00103_46669_8426.N1	02-FEB-2011 00:28:17	Dark	50.000	10	Bet Cen	0.61000	28000.	100	46669	No
8	GOM_TRA_1PNPDE20110202_003139_000000433099_00103_46669_8427.N1	02-FEB-2011 00:31:39	Dark	42.500	12	Alp1Cru	0.77500	30000.	85	46669	No
9	GOM_TRA_1PNPDE20110202_003344_000000463099_00103_46669_8428.N1	02-FEB-2011 00:33:44	Dark	45.500	99	Del Cen	2.5750	26000.	91	46669	No
10	GOM_TRA_1PNPDE20110202_003723_000000453099_00103_46669_8429.N1	02-FEB-2011 00:37:23	Dark	45.000	113	Mu Vel	2.6920	5000.0	90	46669	No
11	GOM_TRA_1PNPDE20110202_004143_000000543099_00103_46669_8430.N1	02-FEB-2011 00:41:43	Dark	53.500	65	Lam Vel	2.2040	4400.0	107	46669	No
12	GOM_TRA_1PNPDE20110202_005236_000000593099_00103_46669_8431.N1	02-FEB-2011 00:52:36	Straylight	59.000	48	30Alp Hya	1.9770	4100.0	118	46669	No
13	GOM_TRA_1PNPDE20110202_005646_000000503099_00103_46669_8432.N1	02-FEB-2011 00:56:46	Twilight	50.000	8	10Alp CMi	0.40000	6500.0	100	46669	No
14	GOM_TRA_1PNPDE20110202_010323_000000423099_00103_46669_8433.N1	02-FEB-2011 01:03:23	Bright	42.000	17	78Bet Gem	1.1610	4500.0	84	46669	No
15	GOM_TRA_1PNPDE20110202_011800_000000443099_00103_46669_8434.N1	02-FEB-2011 01:18:00	Bright	43.500	36	50Alp UMa	1.8000	6300.0	87	46669	No
16	GOM_TRA_1PNPDE20110202_012336_000000403099_00103_46669_8435.N1	02-FEB-2011 01:23:36	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	46669	No
17	GOM_TRA_1PNPDE20110202_012819_000000403099_00103_46669_8436.N1	02-FEB-2011 01:28:19	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	46669	No
18	GOM_TRA_1PNPDE20110202_013132_000000553099_00103_46669_8437.N1	02-FEB-2011 01:31:32	Bright	55.000	130	23Bet Dra	2.7990	5800.0	110	46669	No
19	GOM_TRA_1PNPDE20110202_013813_000000643099_00103_46669_8438.N1	02-FEB-2011 01:38:13	Bright	64.000	133	40Zet Her	2.8070	6000.0	128	46669	No
20	GOM_TRA_1PNPDE20110202_014153_000000683099_00103_46669_8439.N1	02-FEB-2011 01:41:53	Bright	68.000	127	27Bet Her	2.7810	4700.0	136	46669	No
21	GOM_TRA_1PNPDE20110202_014534_000000553099_00103_46669_8440.N1	02-FEB-2011 01:45:34	Bright	54.500	126	60Bet Oph	2.7700	4250.0	109	46669	No
22	GOM_TRA_1PNPDE20110202_015205_000000443099_00103_46669_8443.N1	02-FEB-2011 01:52:05	Twilight	44.000	86	35Eta Oph	2.4300	10200.	88	46669	No
23	GOM_TRA_1PNPDE20110202_015626_000000613099_00103_46669_8444.N1	02-FEB-2011 01:56:26	Dark	61.000	16	21Alp Sco	1.0200	3000.0	122	46669	No
24	GOM_TRA_1PNPDE20110202_015752_000000483099_00103_46669_8445.N1	02-FEB-2011 01:57:52	Dark	47.500	158	6Pi Sco	2.9060	28000.	95	46669	No
25	GOM_TRA_1PNPDE20110202_020214_000000453099_00103_46669_8446.N1	02-FEB-2011 02:02:14	Dark	45.000	131	Gam Lup	2.8000	26000.	90	46669	No
26	GOM_TRA_1PNPDE20110202_020429_000000463099_00104_46670_8447.N1	02-FEB-2011 02:04:29	Dark	45.500	109	Bet Lup	2.6770	26000.	91	46670	No
27	GOM_TRA_1PNPDE20110202_020832_000000433099_00104_46670_8448.N1	02-FEB-2011 02:08:32	Dark	43.000	10	Bet Cen	0.61000	28000.	86	46670	No
28	GOM_TRA_1PNPDE20110202_021153_000000443099_00104_46670_8449.N1	02-FEB-2011 02:11:53	Dark	44.000	12	Alp1Cru	0.77500	30000.	88	46670	No
29	GOM_TRA_1PNPDE20110202_021358_000000463099_00104_46670_8450.N1	02-FEB-2011 02:13:58	Dark	46.000	99	Del Cen	2.5750	26000.	92	46670	No
30	GOM_TRA_1PNPDE20110202_021737_000000493099_00104_46670_8451.N1	02-FEB-2011 02:17:37	Dark	49.000	113	Mu Vel	2.6920	5000.0	98	46670	No
31	GOM_TRA_1PNPDE20110202_022157_000000463099_00104_46670_8452.N1	02-FEB-2011 02:21:57	Dark	45.500	65	Lam Vel	2.2040	4400.0	91	46670	No
32	GOM_TRA_1PNPDE20110202_023249_000000593099_00104_46670_8453.N1	02-FEB-2011 02:32:49	Straylight	58.500	48	30Alp Hya	1.9770	4100.0	117	46670	No
33	GOM_TRA_1PNPDE20110202_023701_000000493099_00104_46670_8454.N1	02-FEB-2011 02:37:01	Twilight	48.500	8	10Alp CMi	0.40000	6500.0	97	46670	No
34	GOM_TRA_1PNPDE20110202_024337_000000433099_00104_46670_8455.N1	02-FEB-2011 02:43:37	Bright	42.500	17	78Bet Gem	1.1610	4500.0	85	46670	No
35	GOM_TRA_1PNPDE20110202_025814_000000423099_00104_46670_8456.N1	02-FEB-2011 02:58:14	Bright	41.500	36	50Alp UMa	1.8000	6300.0	83	46670	No
36	GOM_TRA_1PNPDE20110202_030349_000000413099_00104_46670_8469.N1	02-FEB-2011 03:03:49	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	46670	No
37	GOM_TRA_1PNPDE20110202_030833_000000403099_00104_46670_8470.N1	02-FEB-2011 03:08:33	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	46670	No
38	GOM_TRA_1PNPDE20110202_031146_000000373099_00104_46670_8471.N1	02-FEB-2011 03:11:46	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	46670	No
39	GOM_TRA_1PNPDE20110202_031827_000000643099_00104_46670_8472.N1	02-FEB-2011 03:18:27	Bright	64.000	133	40Zet Her	2.8070	6000.0	128	46670	No
40	GOM_TRA_1PNPDE20110202_032207_000000683099_00104_46670_8473.N1	02-FEB-2011 03:22:07	Bright	68.000	127	27Bet Her	2.7810	4700.0	136	46670	No
41	GOM_TRA_1PNPDE20110202_032548_000000553099_00104_46670_8474.N1	02-FEB-2011 03:25:48	Bright	55.000	126	60Bet Oph	2.7700	4250.0	110	46670	No
42	GOM_TRA_1PNPDE20110202_033219_000000443099_00104_46670_8475.N1	02-FEB-2011 03:32:19	Twilight	43.500	86	35Eta Oph	2.4300	10200.	87	46670	No
43	GOM_TRA_1PNPDE20110202_033641_000000513099_00104_46670_8476.N1	02-FEB-2011 03:36:41	Dark	51.000	16	21Alp Sco	1.0200	3000.0	102	46670	No
44	GOM_TRA_1PNPDE20110202_033807_000000463099_00104_46670_8477.N1	02-FEB-2011 03:38:07	Dark	46.000	158	6Pi Sco	2.9060	28000.	92	46670	No
45	GOM_TRA_1PNPDE20110202_034229_000000433099_00104_46670_8478.N1	02-FEB-2011 03:42:29	Dark	43.000	131	Gam Lup	2.8000	26000.	86	46670	No
46	GOM_TRA_1PNPDE20110202_034444_000000473099_00105_46671_8479.N1	02-FEB-2011 03:44:44	Dark	46.500	109	Bet Lup	2.6770	26000.	93	46671	No
47	GOM_TRA_1PNPDE20110202_034846_000000423099_00105_46671_8480.N1	02-FEB-2011 03:48:46	Dark	42.000	10	Bet Cen	0.61000	28000.	84	46671	No

48	GOM_TRA_1PNPDE20110202_035208_000000503099_00105_46671_8481.N1	02-FEB-2011 03:52:08	Dark	49.500	12	Alp1Cru	0.77500	30000.	99	46671	No
49	GOM_TRA_1PNPDE20110202_035413_000000473099_00105_46671_8482.N1	02-FEB-2011 03:54:13	Dark	47.000	99	Del Cen	2.5750	26000.	94	46671	No
50	GOM_TRA_1PNPDE20110202_035752_000000433099_00105_46671_8483.N1	02-FEB-2011 03:57:52	Dark	42.500	113	Mu Vel	2.6920	5000.0	85	46671	No
51	GOM_TRA_1PNPDE20110202_040212_000000493099_00105_46671_8484.N1	02-FEB-2011 04:02:12	Dark	48.500	65	Lam Vel	2.2040	4400.0	97	46671	No
52	GOM_TRA_1PNPDE20110202_041303_000000593099_00105_46671_8485.N1	02-FEB-2011 04:13:03	Straylight	59.000	48	30Alp Hya	1.9770	4100.0	118	46671	No
53	GOM_TRA_1PNPDE20110202_041715_000000473099_00105_46671_8486.N1	02-FEB-2011 04:17:15	Twilight_stray	47.000	8	10Alp CMi	0.40000	6500.0	94	46671	No
54	GOM_TRA_1PNPDE20110202_042351_000000423099_00105_46671_8487.N1	02-FEB-2011 04:23:51	Bright	42.000	17	78Bet Gem	1.1610	4500.0	84	46671	No
55	GOM_TRA_1PNPDE20110202_043827_000000473099_00105_46671_8488.N1	02-FEB-2011 04:38:27	Bright	46.500	36	50Alp UMa	1.8000	6300.0	93	46671	No
56	GOM_TRA_1PNPDE20110202_044403_000000393099_00105_46671_8489.N1	02-FEB-2011 04:44:03	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	46671	No
57	GOM_TRA_1PNPDE20110202_044847_000000433099_00105_46671_8488.N1	02-FEB-2011 04:48:47	Bright	43.000	119	14Eta Dra	2.7270	4700.0	86	46671	No
58	GOM_TRA_1PNPDE20110202_045200_000000553099_00105_46671_8489.N1	02-FEB-2011 04:52:00	Bright	55.000	130	23Bet Dra	2.7990	5800.0	110	46671	No
59	GOM_TRA_1PNPDE20110202_045841_000000443099_00105_46671_8490.N1	02-FEB-2011 04:58:41	Bright	43.500	133	40Zet Her	2.8070	6000.0	87	46671	No
60	GOM_TRA_1PNPDE20110202_050222_000000473099_00105_46671_8491.N1	02-FEB-2011 05:02:22	Bright	46.500	127	27Bet Her	2.7810	4700.0	93	46671	No
61	GOM_TRA_1PNPDE20110202_050603_000000553099_00105_46671_8492.N1	02-FEB-2011 05:06:03	Bright	55.000	126	60Bet Oph	2.7700	4250.0	110	46671	No
62	GOM_TRA_1PNPDE20110202_051234_000000473099_00105_46671_8493.N1	02-FEB-2011 05:12:34	Twilight_stray	47.000	86	35Eta Oph	2.4300	10200.	94	46671	No
63	GOM_TRA_1PNPDE20110202_051656_000000613099_00105_46671_8494.N1	02-FEB-2011 05:16:56	Dark	61.000	16	21Alp Sco	1.0200	3000.0	122	46671	No
64	GOM_TRA_1PNPDE20110202_051823_000000463099_00105_46671_8495.N1	02-FEB-2011 05:18:23	Dark	46.000	158	6Pi Sco	2.9060	28000.	92	46671	No
65	GOM_TRA_1PNPDE20110202_052244_000000443099_00105_46671_8496.N1	02-FEB-2011 05:22:44	Dark	44.000	131	Gam Lup	2.8000	26000.	88	46671	No
66	GOM_TRA_1PNPDE20110202_052459_000000443099_00106_46672_8497.N1	02-FEB-2011 05:24:59	Dark	44.000	109	Bet Lup	2.6770	26000.	88	46672	No
67	GOM_TRA_1PNPDE20110202_052901_000000533099_00106_46672_8498.N1	02-FEB-2011 05:29:01	Dark	52.500	10	Bet Cen	0.61000	28000.	105	46672	No
68	GOM_TRA_1PNPDE20110202_053223_000000423099_00106_46672_8499.N1	02-FEB-2011 05:32:23	Dark	42.000	12	Alp1Cru	0.77500	30000.	84	46672	No
69	GOM_TRA_1PNPDE20110202_053428_000000453099_00106_46672_8500.N1	02-FEB-2011 05:34:28	Dark	45.000	99	Del Cen	2.5750	26000.	90	46672	No
70	GOM_TRA_1PNPDE20110202_053807_000000453099_00106_46672_8501.N1	02-FEB-2011 05:38:07	Dark	44.500	113	Mu Vel	2.6920	5000.0	89	46672	No
71	GOM_TRA_1PNPDE20110202_054226_000000483099_00106_46672_8502.N1	02-FEB-2011 05:42:26	Dark	48.000	65	Lam Vel	2.2040	4400.0	96	46672	No
72	GOM_TRA_1PNPDE20110202_055317_000000613099_00106_46672_8503.N1	02-FEB-2011 05:53:17	Straylight	60.500	48	30Alp Hya	1.9770	4100.0	121	46672	No
73	GOM_TRA_1PNPDE20110202_055729_000000523099_00106_46672_8504.N1	02-FEB-2011 05:57:29	Twilight_stray	51.500	8	10Alp CMi	0.40000	6500.0	103	46672	No
74	GOM_TRA_1PNPDE20110202_060405_000000413099_00106_46672_8505.N1	02-FEB-2011 06:04:05	Bright	41.000	17	78Bet Gem	1.1610	4500.0	82	46672	No
75	GOM_TRA_1PNPDE20110202_061841_000000473099_00106_46672_8506.N1	02-FEB-2011 06:18:41	Bright	47.000	36	50Alp UMa	1.8000	6300.0	94	46672	No
76	GOM_TRA_1PNPDE20110202_062417_000000403099_00106_46672_8507.N1	02-FEB-2011 06:24:17	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	46672	No
77	GOM_TRA_1PNPDE20110202_204435_000000543099_00115_46681_8615.N1	02-FEB-2011 20:44:35	Straylight	54.000	65	Lam Vel	2.2040	4400.0	108	46681	No
78	GOM_TRA_1PNPDE20110202_205523_000000623099_00115_46681_8616.N1	02-FEB-2011 20:55:23	Straylight	61.500	48	30Alp Hya	1.9770	4100.0	123	46681	No
79	GOM_TRA_1PNPDE20110202_205935_000000533099_00115_46681_8617.N1	02-FEB-2011 20:59:35	Twilight_stray	53.000	8	10Alp CMi	0.40000	6500.0	106	46681	No
80	GOM_TRA_1PNPDE20110202_210610_000000413099_00115_46681_8618.N1	02-FEB-2011 21:06:10	Bright	41.000	17	78Bet Gem	1.1610	4500.0	82	46681	No
81	GOM_TRA_1PNPDE20110202_212041_000000473099_00115_46681_8619.N1	02-FEB-2011 21:20:41	Bright	47.000	36	50Alp UMa	1.8000	6300.0	94	46681	No
82	GOM_TRA_1PNPDE20110202_212621_000000383099_00115_46681_8620.N1	02-FEB-2011 21:26:21	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	46681	No
83	GOM_TRA_1PNPDE20110202_213105_000000423099_00115_46681_8621.N1	02-FEB-2011 21:31:05	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	46681	No
84	GOM_TRA_1PNPDE20110202_213420_000000393099_00115_46681_8622.N1	02-FEB-2011 21:34:20	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	46681	No
85	GOM_TRA_1PNPDE20110202_214103_000000643099_00115_46681_8623.N1	02-FEB-2011 21:41:03	Bright	64.000	133	40Zet Her	2.8070	6000.0	128	46681	No
86	GOM_TRA_1PNPDE20110202_214446_000000493099_00115_46681_8624.N1	02-FEB-2011 21:44:46	Bright	48.500	127	27Bet Her	2.7810	4700.0	97	46681	No
87	GOM_TRA_1PNPDE20110202_214826_000000553099_00115_46681_8625.N1	02-FEB-2011 21:48:26	Bright	54.500	126	60Bet Oph	2.7700	4250.0	109	46681	No
88	GOM_TRA_1PNPDE20110202_215500_000000453099_00115_46681_8638.N1	02-FEB-2011 21:55:00	Twilight_stray	45.000	86	35Eta Oph	2.4300	10200.	90	46681	No
89	GOM_TRA_1PNPDE20110202_215923_000000513099_00115_46681_8639.N1	02-FEB-2011 21:59:23	Dark	51.000	16	21Alp Sco	1.0200	3000.0	102	46681	No
90	GOM_TRA_1PNPDE20110202_220052_000000473099_00115_46681_8640.N1	02-FEB-2011 22:00:52	Dark	47.000	158	6Pi Sco	2.9060	28000.	94	46681	No
91	GOM_TRA_1PNPDE20110202_220512_000000443099_00115_46681_8641.N1	02-FEB-2011 22:05:12	Dark	44.000	131	Gam Lup	2.8000	26000.	88	46681	No
92	GOM_TRA_1PNPDE20110202_220728_000000453099_00116_46682_8642.N1	02-FEB-2011 22:07:28	Dark	45.000	109	Bet Lup	2.6770	26000.	90	46682	No
93	GOM_TRA_1PNPDE20110202_221014_000000443099_00116_46682_8643.N1	02-FEB-2011 22:10:14	Dark	43.500	4	Alp1Cen	-0.010000	5800.0	87	46682	No
94	GOM_TRA_1PNPDE20110202_221127_000000423099_00116_46682_8644.N1	02-FEB-2011 22:11:27	Dark	41.500	10	Bet Cen	0.61000	28000.	83	46682	No
95	GOM_TRA_1PNPDE20110202_221448_000000433099_00116_46682_8645.N1	02-FEB-2011 22:14:48	Dark	42.500	12	Alp1Cru	0.77500	30000.	85	46682	No
96	GOM_TRA_1PNPDE20110202_222032_000000503099_00116_46682_8646.N1	02-FEB-2011 22:20:32	Dark	49.500	113	Mu Vel	2.6920	5000.0	99	46682	No
97	GOM_TRA_1PNPDE20110202_222450_000000463099_00116_46682_8647.N1	02-FEB-2011 22:24:50	Straylight	46.000	65	Lam Vel	2.2040	4400.0	92	46682	No
98	GOM_TRA_1PNPDE20110202_223537_000000593099_00116_46682_8648.N1	02-FEB-2011 22:35:37	Straylight	59.000	48	30Alp Hya	1.9770	4100.0	118	46682	No
99	GOM_TRA_1PNPDE20110202_224624_000000423099_00116_46682_8649.N1	02-FEB-2011 22:46:24	Bright	42.000	17	78Bet Gem	1.1610	4500.0	84	46682	No
100	GOM_TRA_1PNPDE20110202_230054_000000473099_00116_46682_8650.N1	02-FEB-2011 23:00:54	Bright	47.000	36	50Alp UMa	1.8000	6300.0	94	46682	No
101	GOM_TRA_1PNPDE20110202_230635_000000363099_00116_46682_8651.N1	02-FEB-2011 23:06:35	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	46682	No
102	GOM_TRA_1PNPDE20110202_231119_000000393099_00116_46682_8652.N1	02-FEB-2011 23:11:19	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	46682	No
103	GOM_TRA_1PNPDE20110202_231434_000000393099_00116_46682_8653.N1	02-FEB-2011 23:14:34	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	46682	No
104	GOM_TRA_1PNPDE20110202_232117_000000643099_00116_46682_8654.N1	02-FEB-2011 23:21:17	Bright	64.000	133	40Zet Her	2.8070	6000.0	128	46682	No
105	GOM_TRA_1PNPDE20110202_232500_000000693099_00116_46682_8655.N1	02-FEB-2011 23:25:00	Bright	69.000	127	27Bet Her	2.7810	4700.0	138	46682	No
106	GOM_TRA_1PNPDE20110202_232840_000000553099_00116_46682_8656.N1	02-FEB-2011 23:28:40	Bright	55.000	126	60Bet Oph	2.7700	4250.0	110	46682	No



107	GOM_TRA_1PNPDE20110202_233514_000000443099_00116_46682_8659.N1	02-FEB-2011 23:35:14	Twilight_stray	44.000	86	35Eta Oph	2.4300	10200.	88	46682	No
108	GOM_TRA_1PNPDE20110202_233938_000000533099_00116_46682_8660.N1	02-FEB-2011 23:39:38	Dark	53.000	16	21Alp Sco	1.0200	3000.0	106	46682	No
109	GOM_TRA_1PNPDE20110202_234527_000000443099_00116_46682_8661.N1	02-FEB-2011 23:45:27	Dark	43.500	131	Gamma Lup	2.8000	26000.	87	46682	No
110	GOM_TRA_1PNPDE20110202_234743_000000453099_00117_46683_8662.N1	02-FEB-2011 23:47:43	Dark	44.500	109	Beta Lup	2.6770	26000.	89	46683	No
111	GOM_TRA_1PNPDE20110202_235029_000000533099_00117_46683_8663.N1	02-FEB-2011 23:50:29	Dark	55.000	4	Alp1 Cen	-0.010000	5800.0	110	46683	No
112	GOM_TRA_1PNPDE20110202_235142_000000523099_00117_46683_8664.N1	02-FEB-2011 23:51:42	Dark	51.500	10	Beta Cen	0.610000	28000.	103	46683	No
113	GOM_TRA_1PNPDE20110202_235503_000000423099_00117_46683_8665.N1	02-FEB-2011 23:55:03	Dark	41.500	12	Alp1 Cru	0.775000	30000.	83	46683	No

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



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

The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount its value measured on ground at the same temperature) and the "Random Telegraphic Signal" (abrupt change positive or negative of the CCD pixel signal, random in time, affecting only the DC part of the signal and not the photon generated signal).

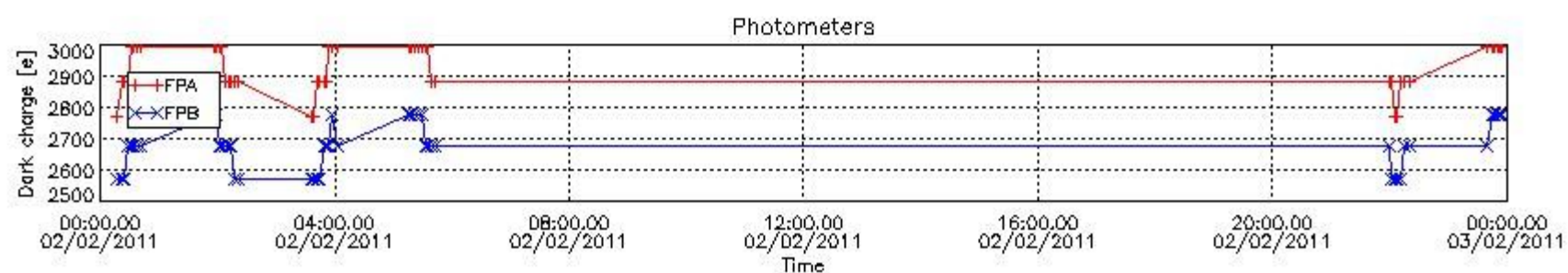
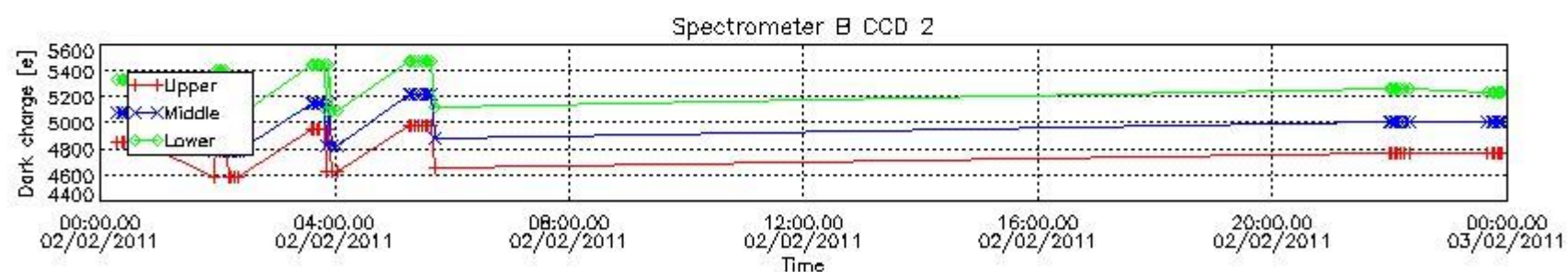
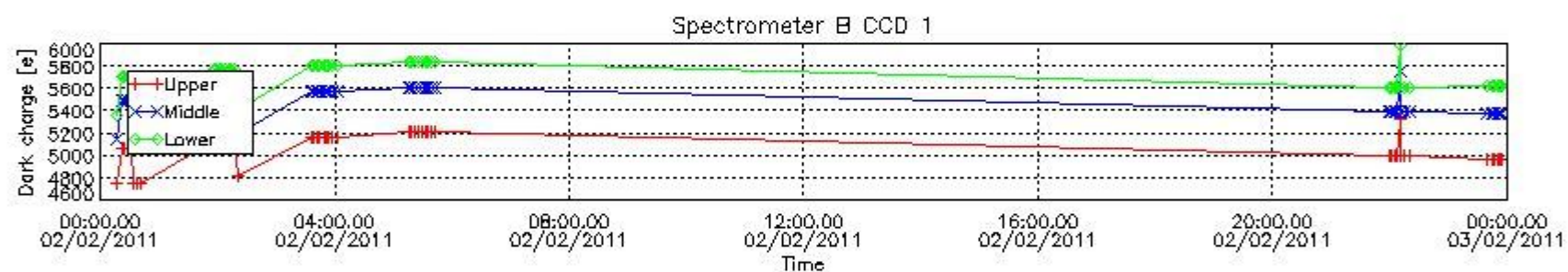
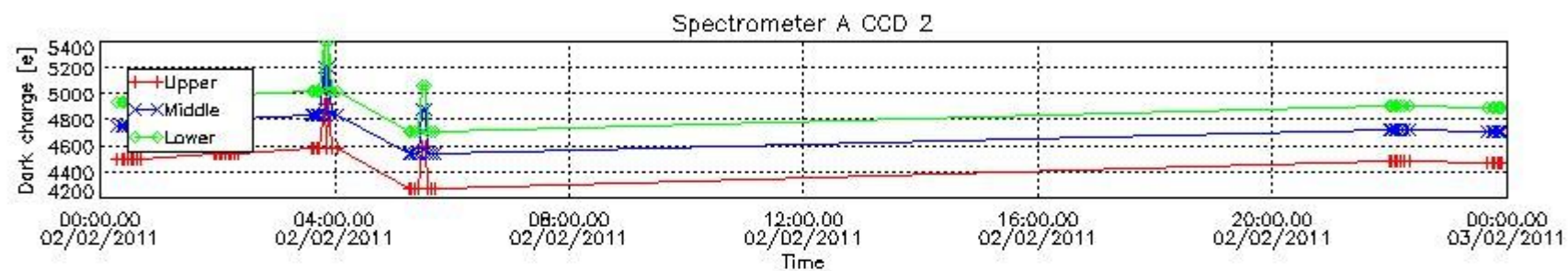
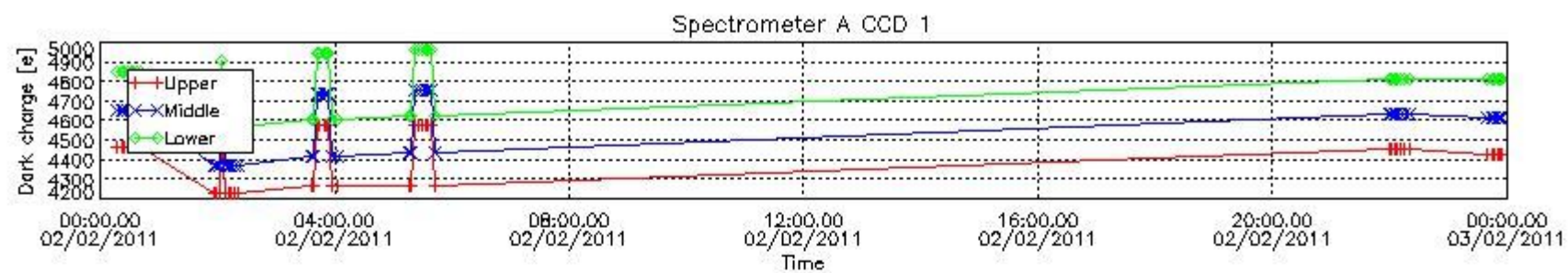
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20110202_204435_000000543099_00115_46681_8615.N1	DC map used
GOM_TRA_1PNPDE20110202_205523_000000623099_00115_46681_8616.N1	DC map used
GOM_TRA_1PNPDE20110202_205935_000000533099_00115_46681_8617.N1	DC map used

GOM_TRA_1PNPDE20110202_210610_000000413099_00115_46681_8618.N1	DC map used
GOM_TRA_1PNPDE20110202_212041_000000473099_00115_46681_8619.N1	DC map used
GOM_TRA_1PNPDE20110202_212621_000000383099_00115_46681_8620.N1	DC map used
GOM_TRA_1PNPDE20110202_213105_000000423099_00115_46681_8621.N1	DC map used
GOM_TRA_1PNPDE20110202_213420_000000393099_00115_46681_8622.N1	DC map used
GOM_TRA_1PNPDE20110202_214103_000000643099_00115_46681_8623.N1	DC map used
GOM_TRA_1PNPDE20110202_214446_000000493099_00115_46681_8624.N1	DC map used
GOM_TRA_1PNPDE20110202_214826_000000553099_00115_46681_8625.N1	DC map used

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



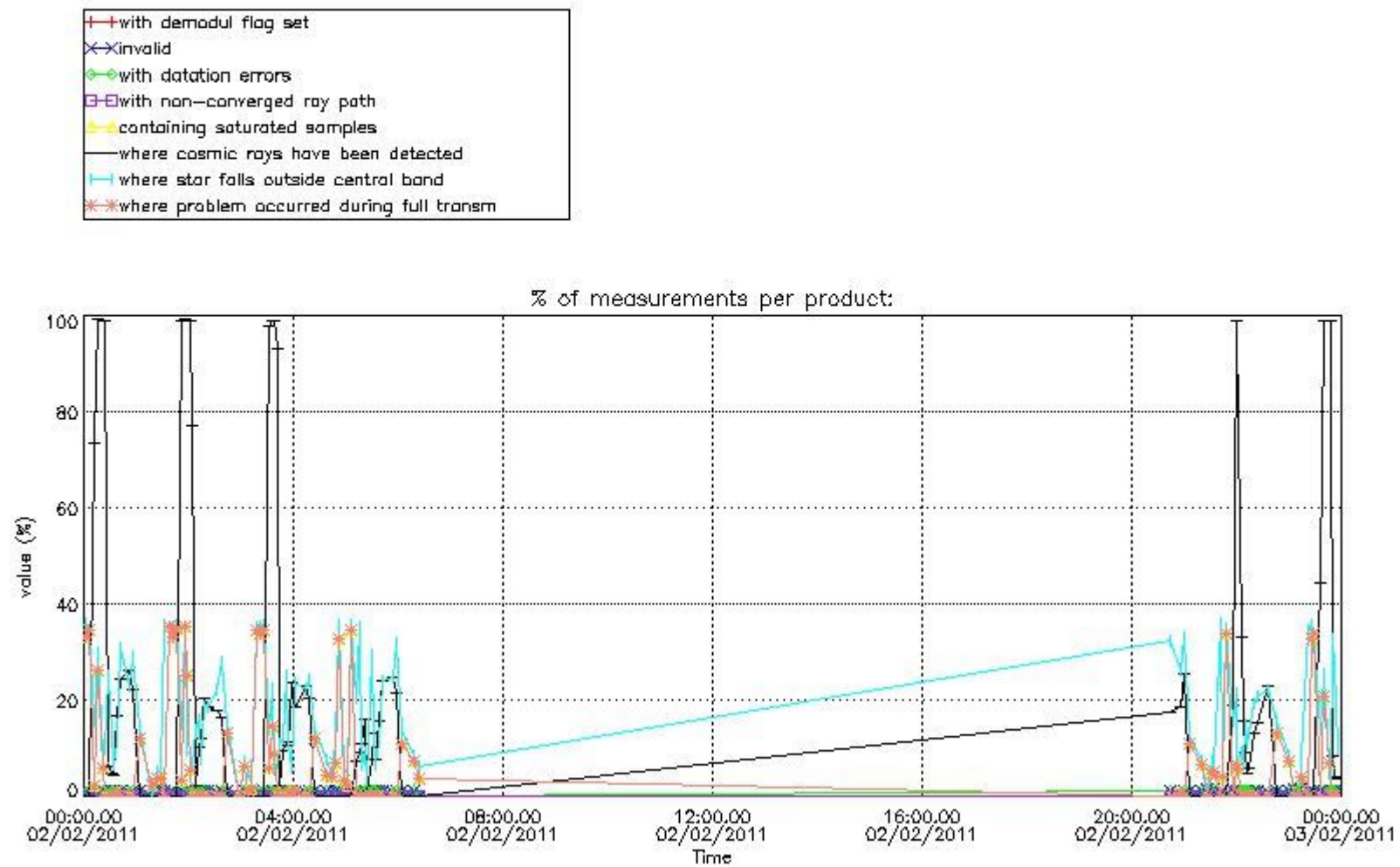
## 5. Demodulation flag and quality information monitoring

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

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

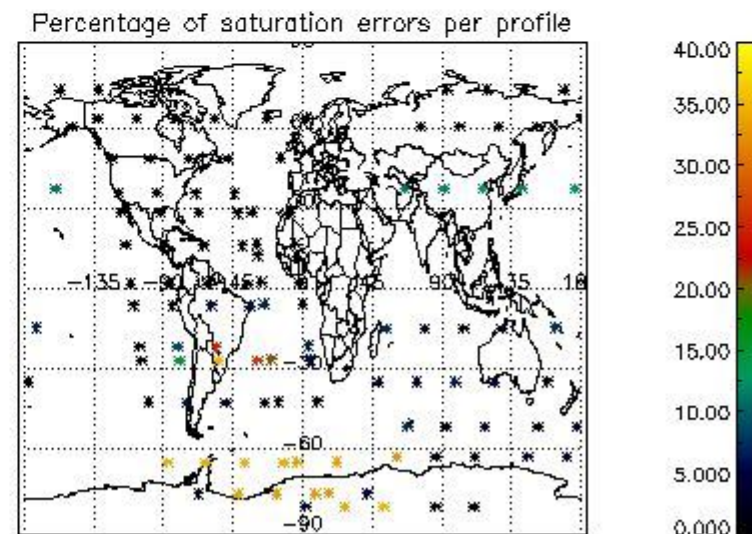
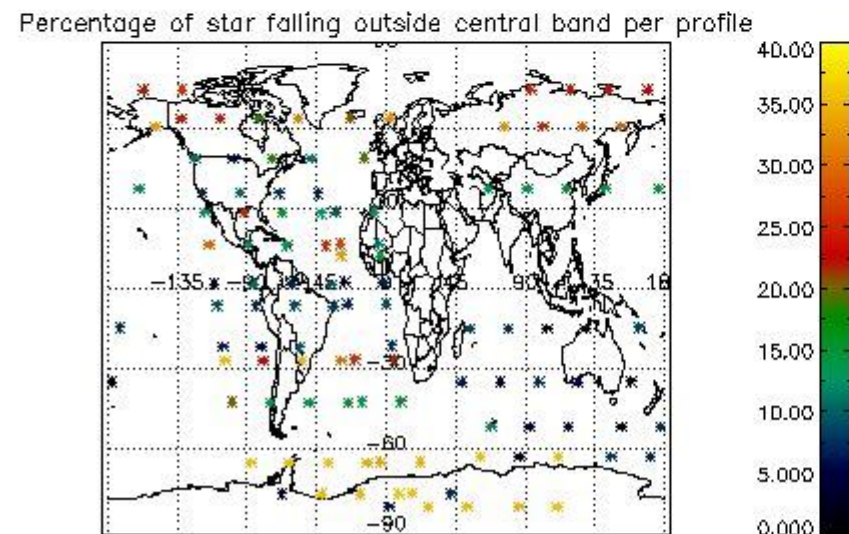
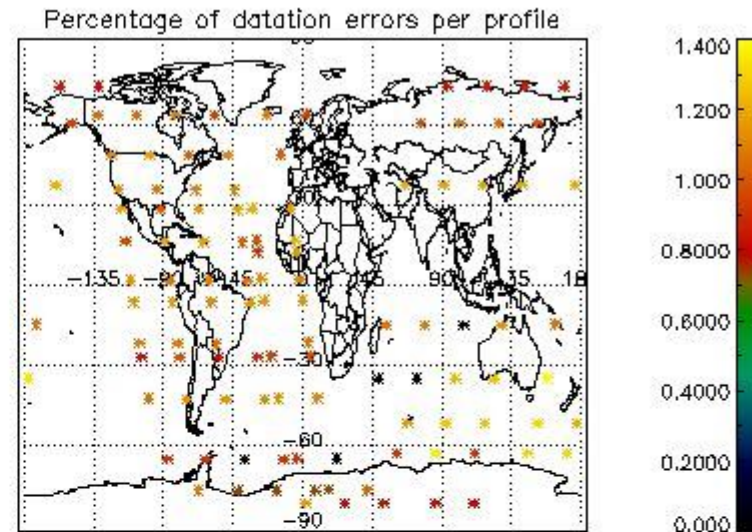
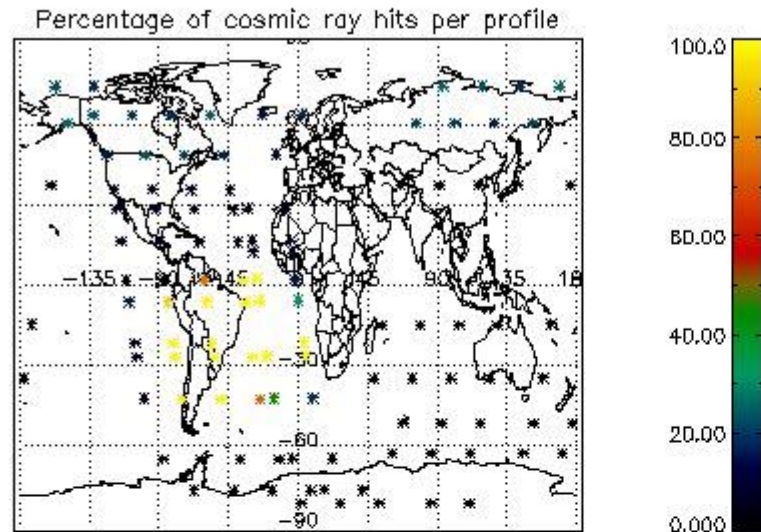
At least one measurement with demodulation flag set:	54.8673 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

### 5.2 Plot quality information per product (time dependant)



### 5.3 Plot quality information per product (world map)





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

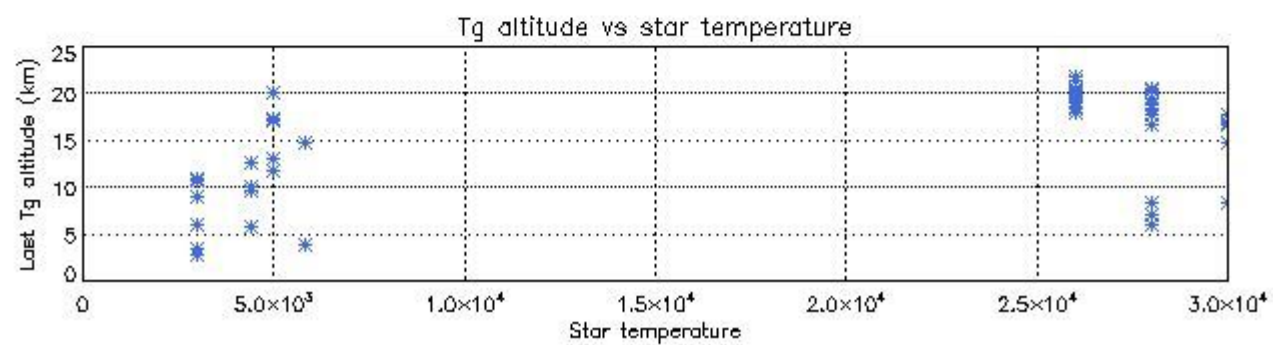
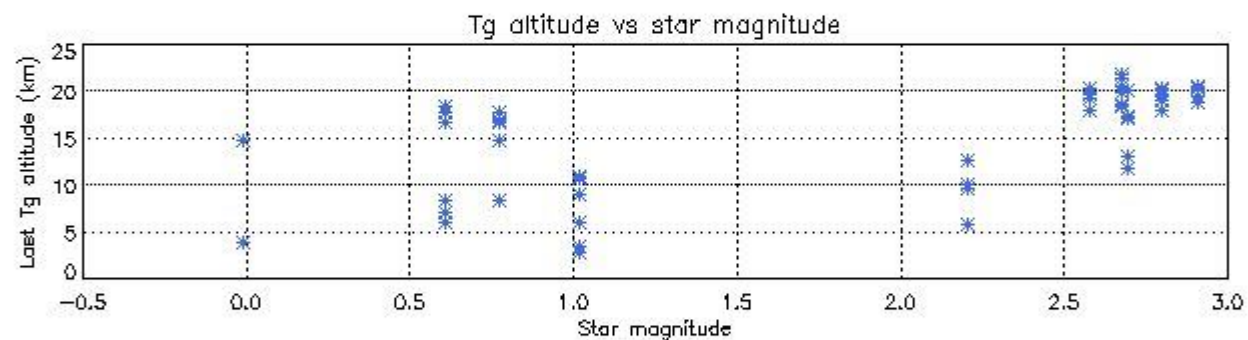
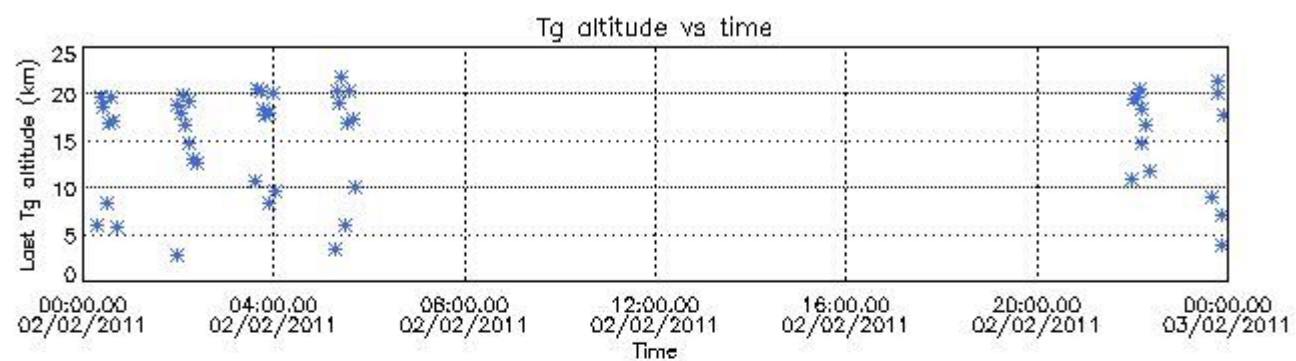
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.062	14.723	NaN
St. deviation:	5.5545	8.4152	NaN
Maximum:	21.884	29.228	NaN
Minimum:	2.8438	3.7500	NaN
Number of data:	49.000	45.000	NaN

### 6.2 Plot for DARK limb products

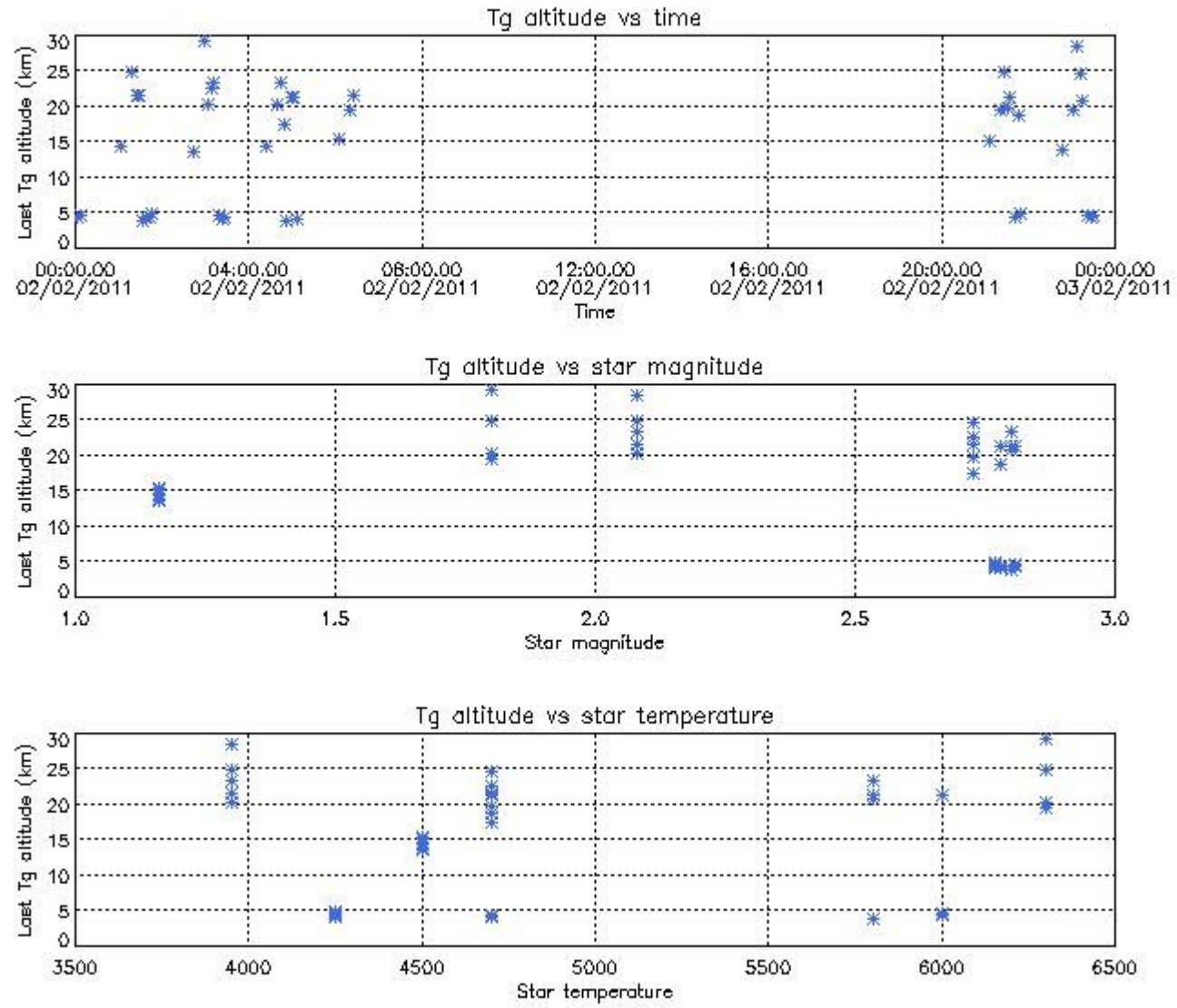


Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost

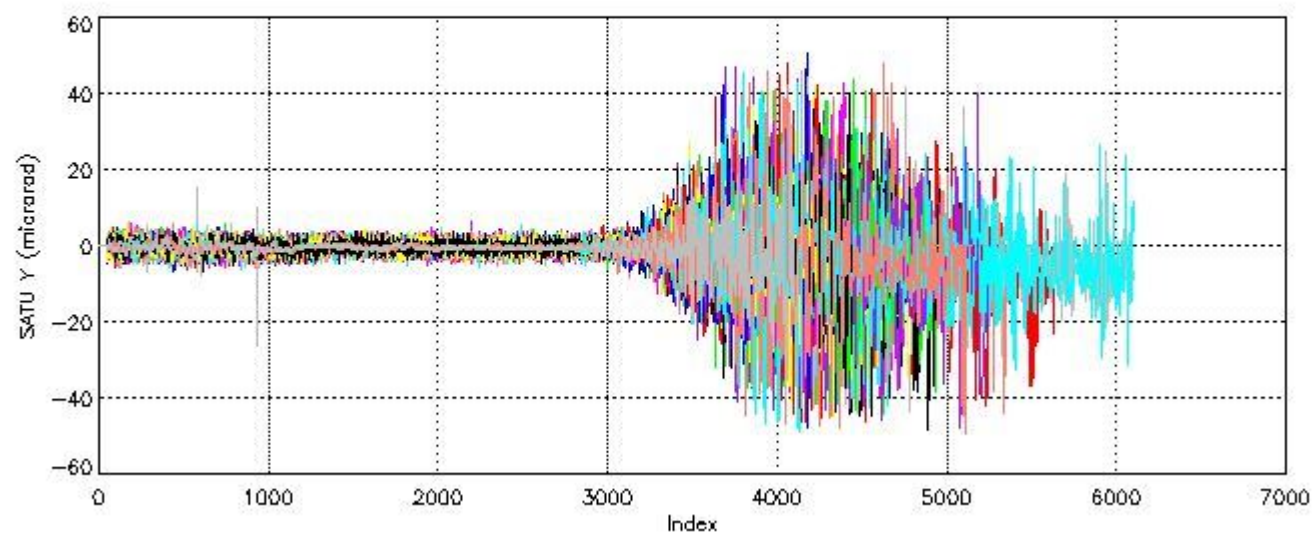
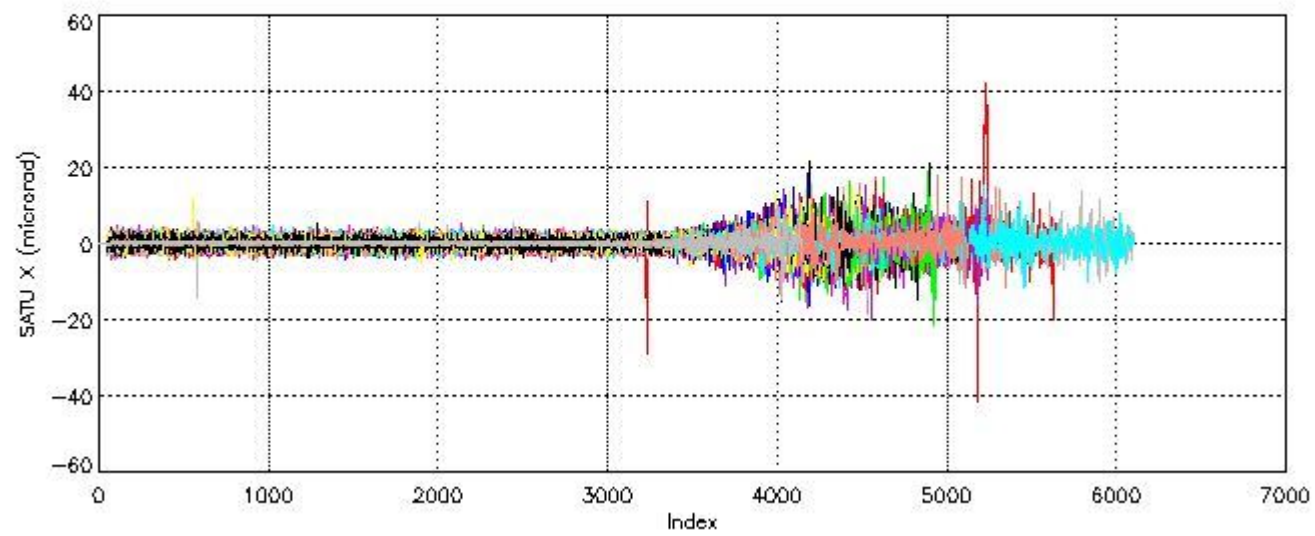


## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.18560	-0.40350	0.15820	-0.42191
St. deviation:	0.62193	1.2404	0.54636	0.93911
Maximum:	12.000	15.500	3.4000	4.2000
Minimum:	-14.100	-26.500	-3.5000	-5.5000



Number of data:	51400.	51400.	44250.	44250.
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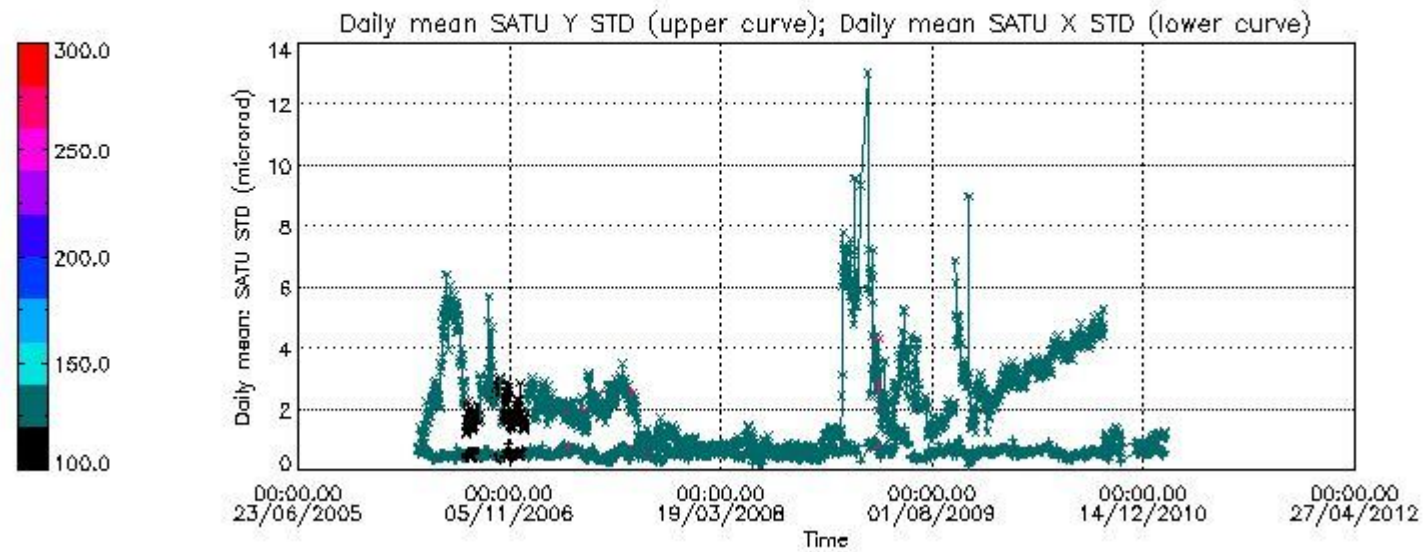
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

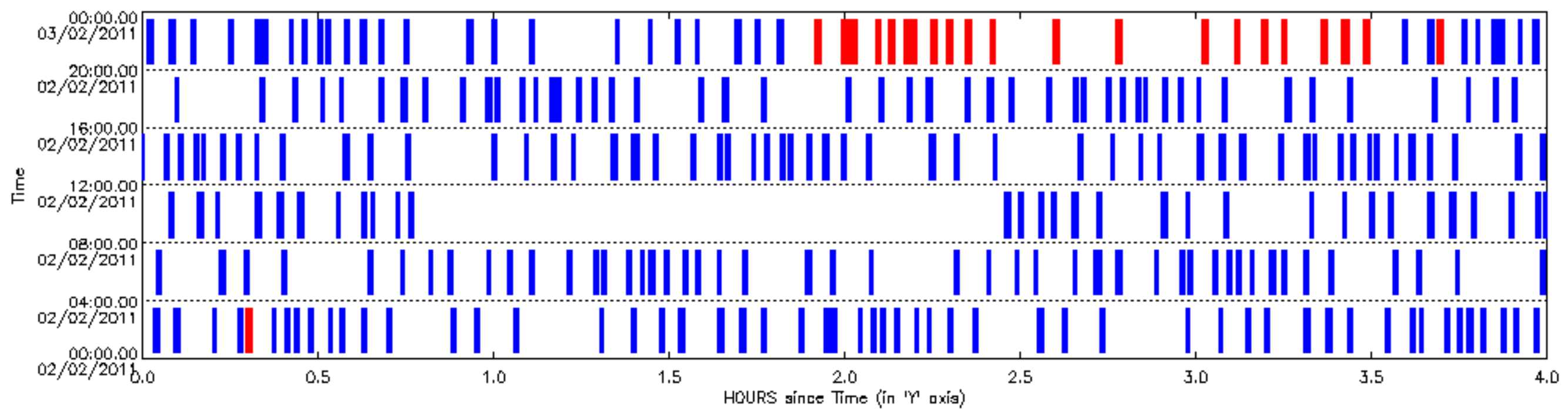
Lower curve: STD of SATU X axis

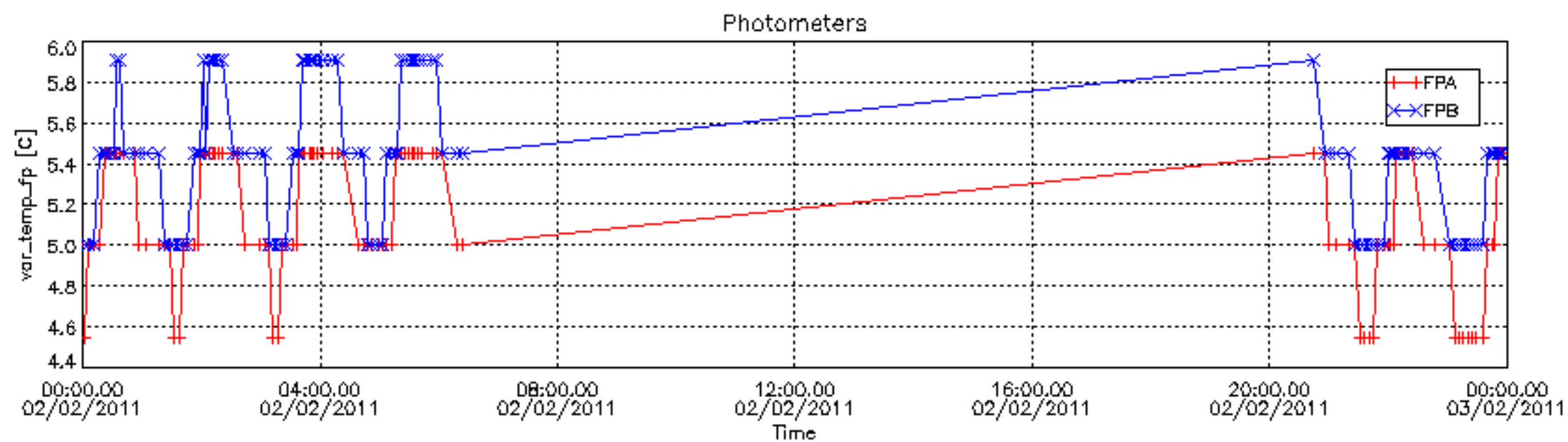
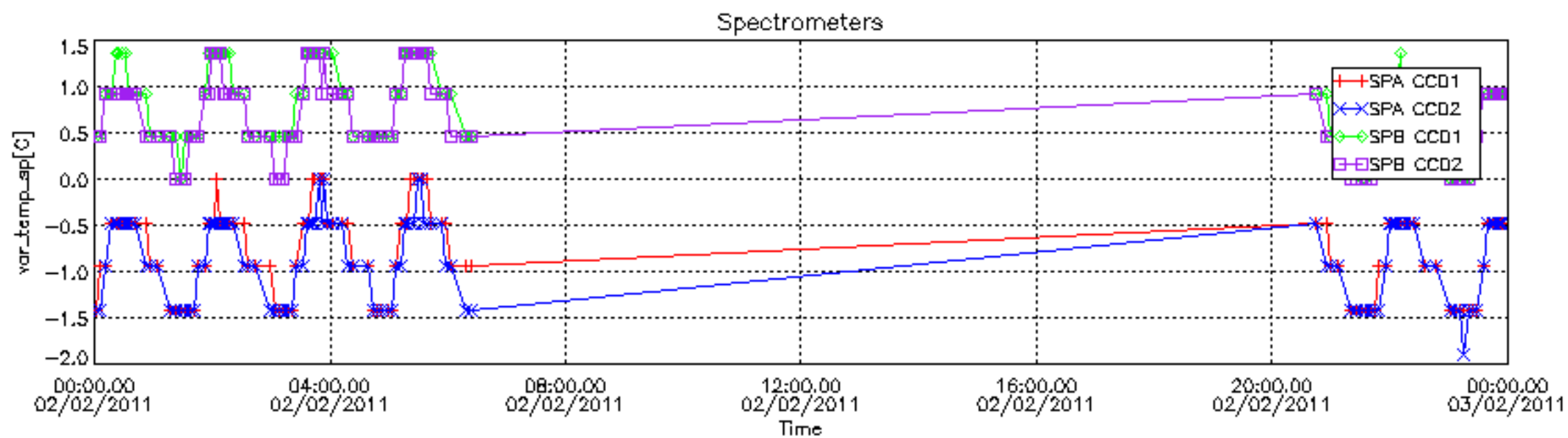


### 8. Auxiliary Data Files used for the production reported in section 2.4

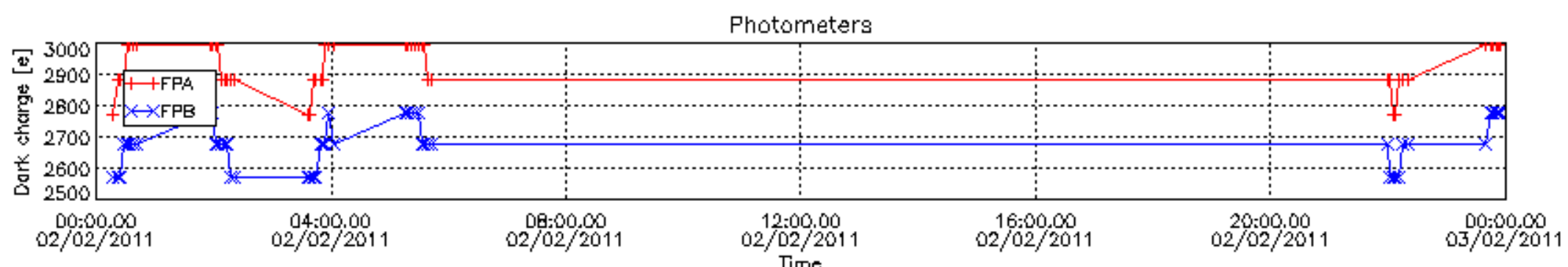
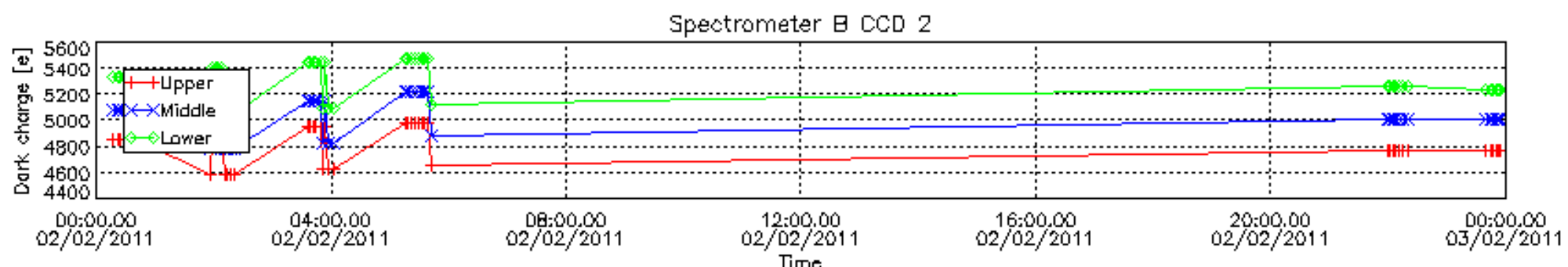
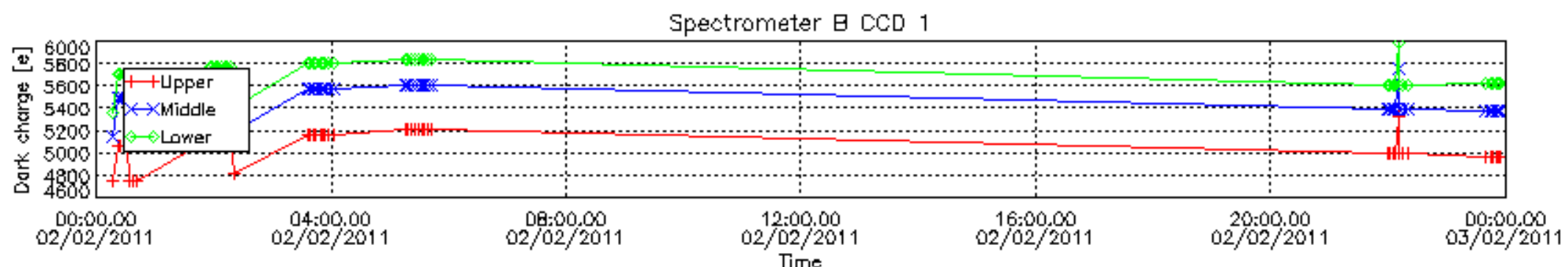
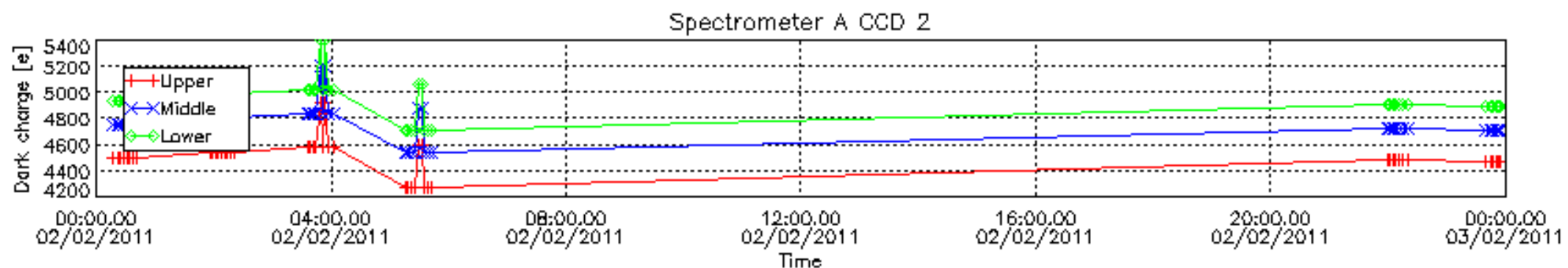
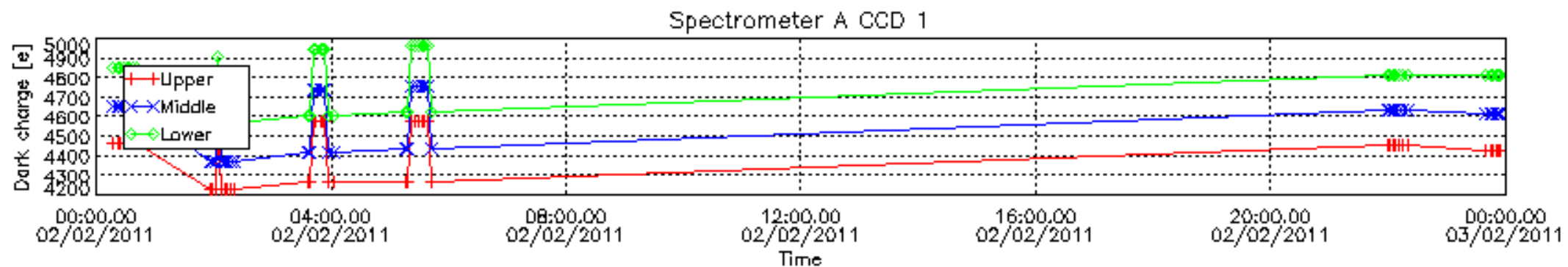
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

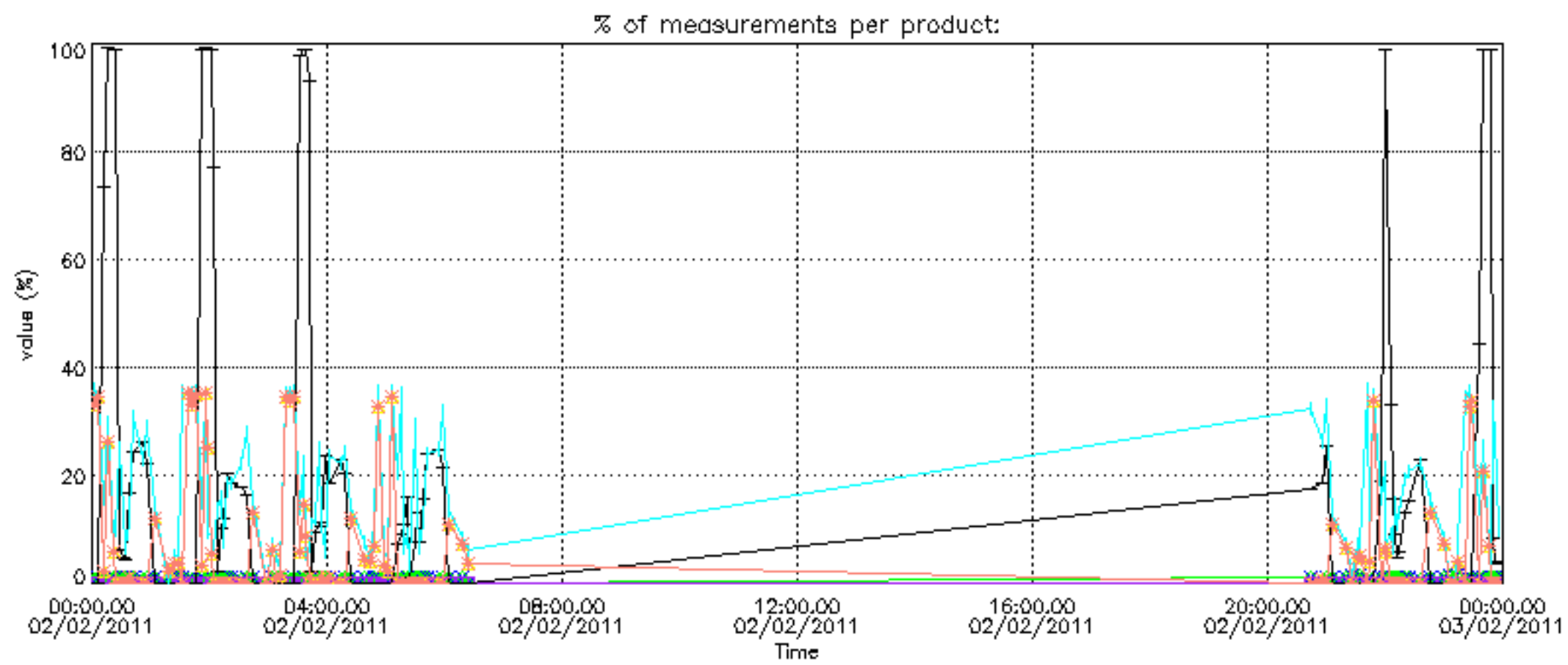
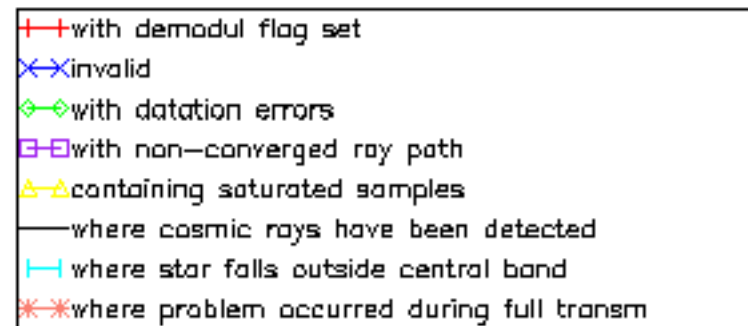
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	02-FEB-2011 00:01:39
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110201_113337_20110123_000000_20500101_000000	1	02-FEB-2011 00:01:39
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	02-FEB-2011 00:01:39
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	02-FEB-2011 00:01:39
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	02-FEB-2011 00:01:39
ECMWF_FILE	AUX_ECF_AXNECM20110201_052117_20110201_210000_20110202_090000	1	02-FEB-2011 00:01:39
ECMWF_FILE	AUX_ECF_AXNECM20110201_172118_20110202_030000_20110202_150000	36	02-FEB-2011 03:03:49
ECMWF_FILE	AUX_ECF_AXNECM20110202_052113_20110202_150000_20110203_030000	77	02-FEB-2011 20:44:35
ECMWF_FILE	AUX_ECF_AXNECM20110202_052114_20110202_210000_20110203_090000	88	02-FEB-2011 21:55:00
OPTIONAL_ECMWF_FILE	MISSING	1	02-FEB-2011 00:01:39
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110201_223116_000054193099_00101_46667_2443.N1	1	02-FEB-2011 00:01:39
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110202_000655_000057383099_00102_46668_2444.N1	3	02-FEB-2011 00:11:50
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110202_014751_000041443099_00103_46669_2445.N1	22	02-FEB-2011 01:52:05
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110202_030215_000057383099_00104_46670_2446.N1	36	02-FEB-2011 03:03:49
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110202_044312_000057383099_00105_46671_2447.N1	57	02-FEB-2011 04:48:47
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110202_203934_000041443099_00115_46681_2448.N1	77	02-FEB-2011 20:44:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110202_214838_000060573099_00115_46681_2449.N1	88	02-FEB-2011 21:55:00
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110202_233454_000054193099_00116_46682_2450.N1	107	02-FEB-2011 23:35:14



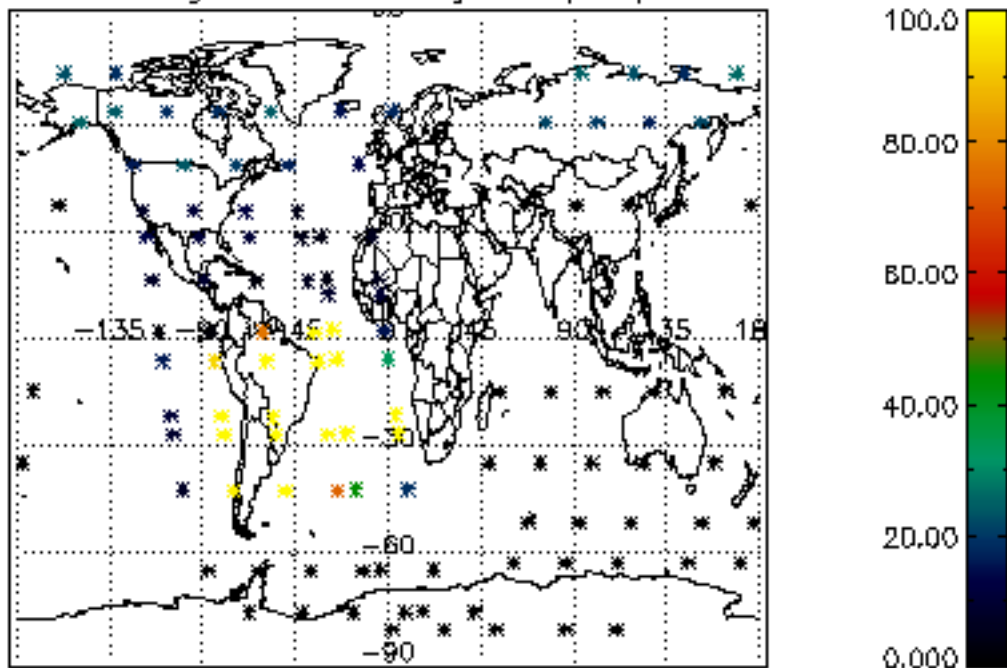




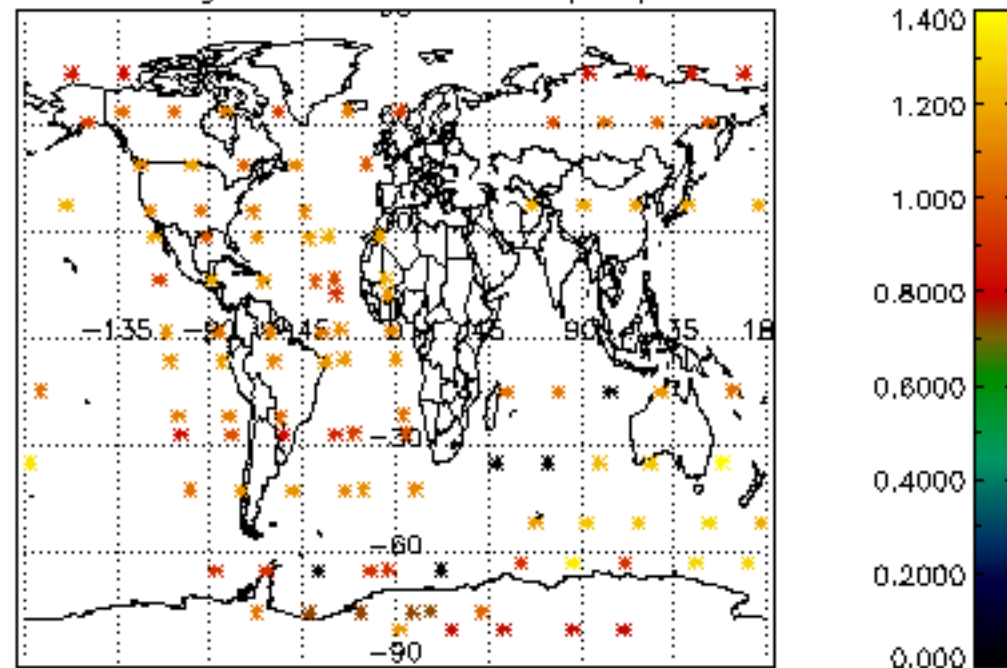




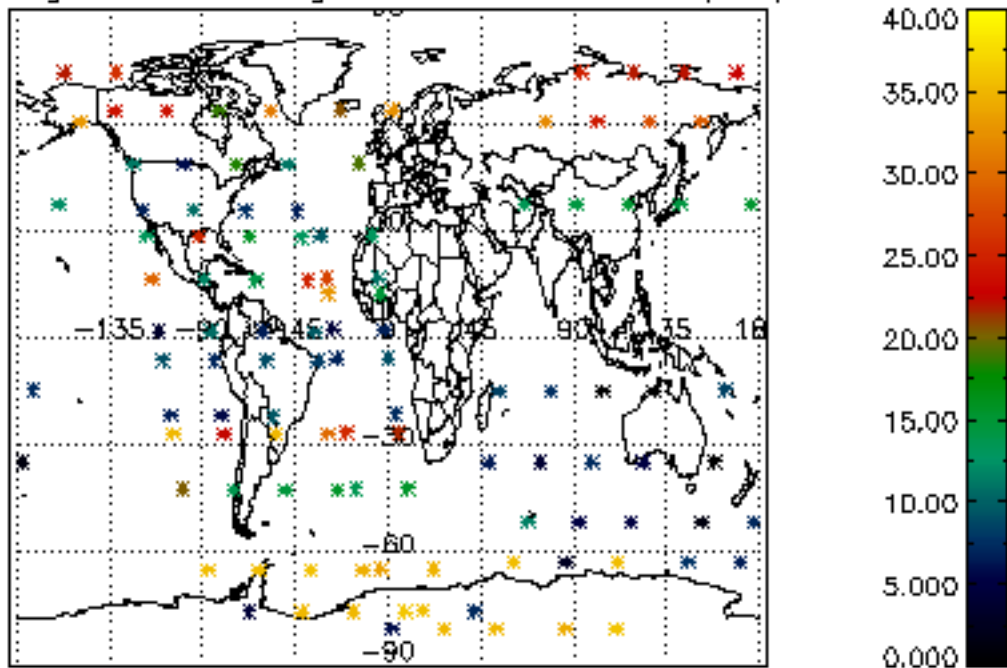
Percentage of cosmic ray hits per profile



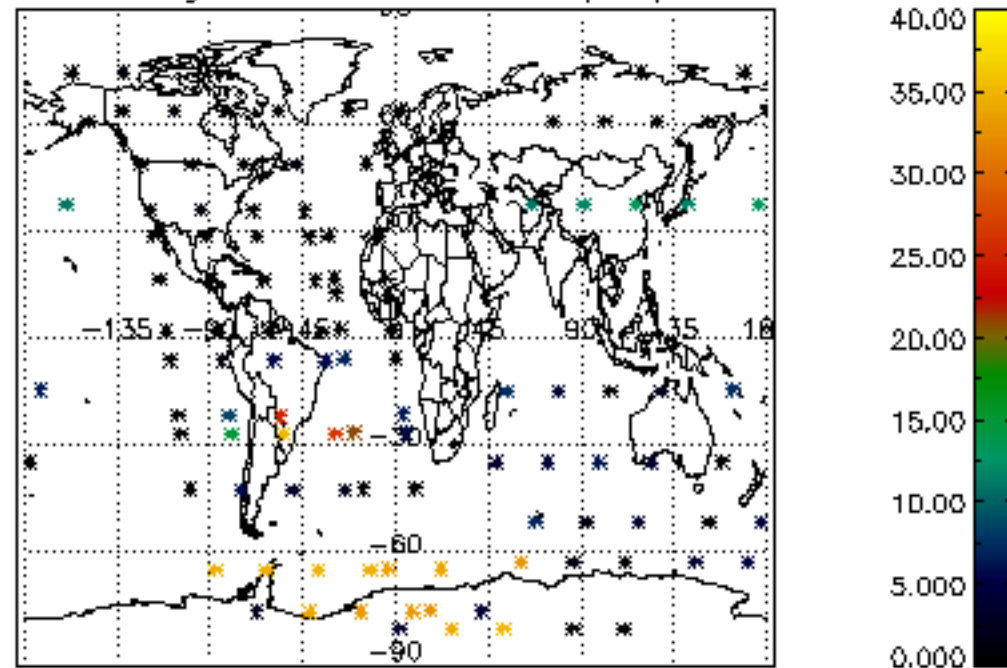
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

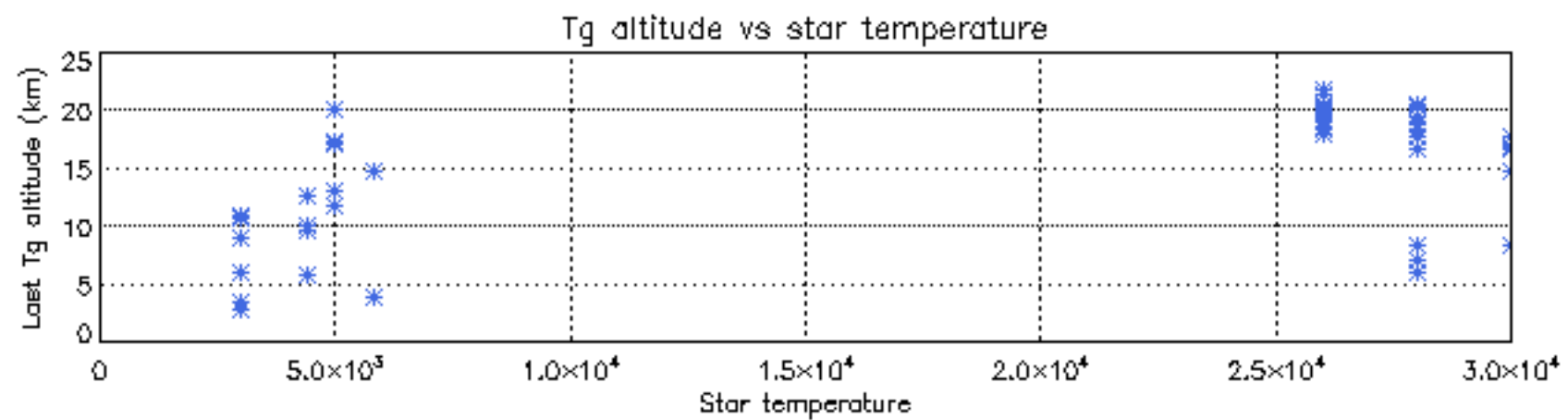
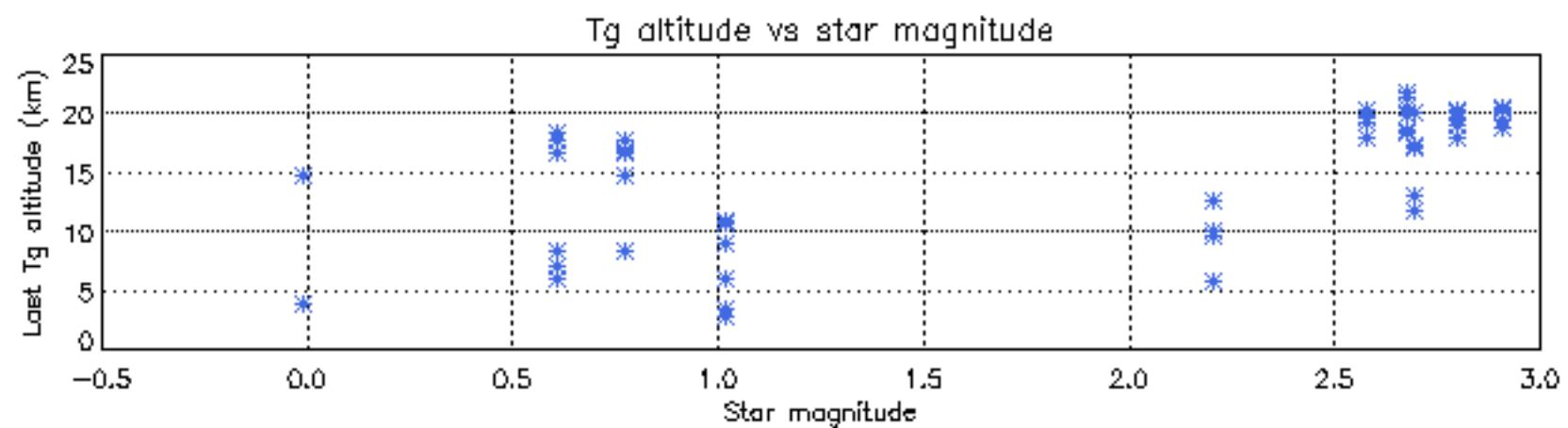
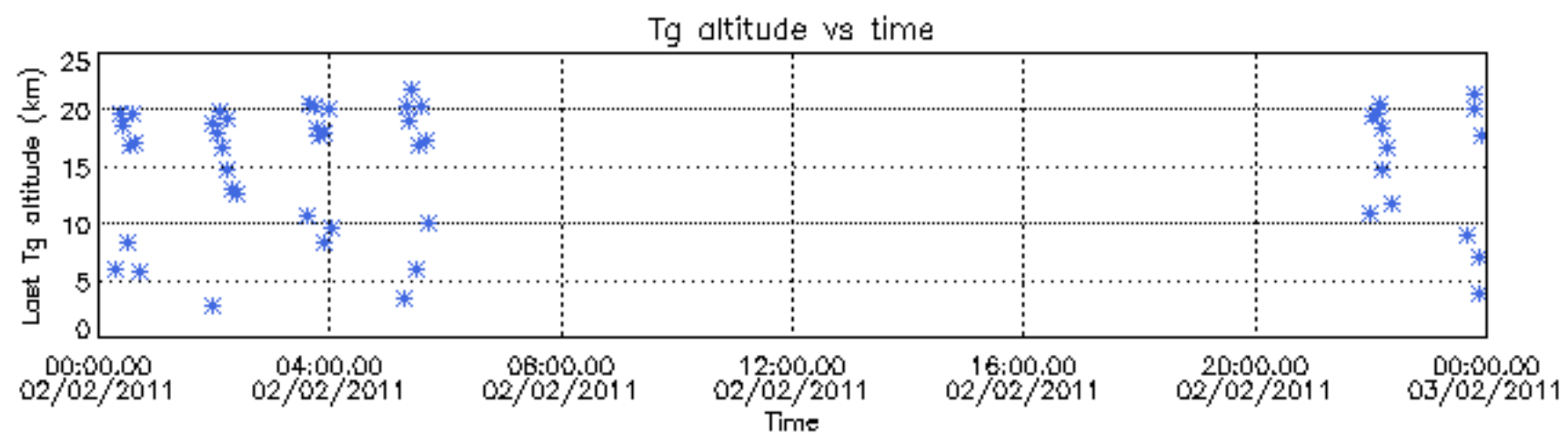


Percentage of saturation errors per profile

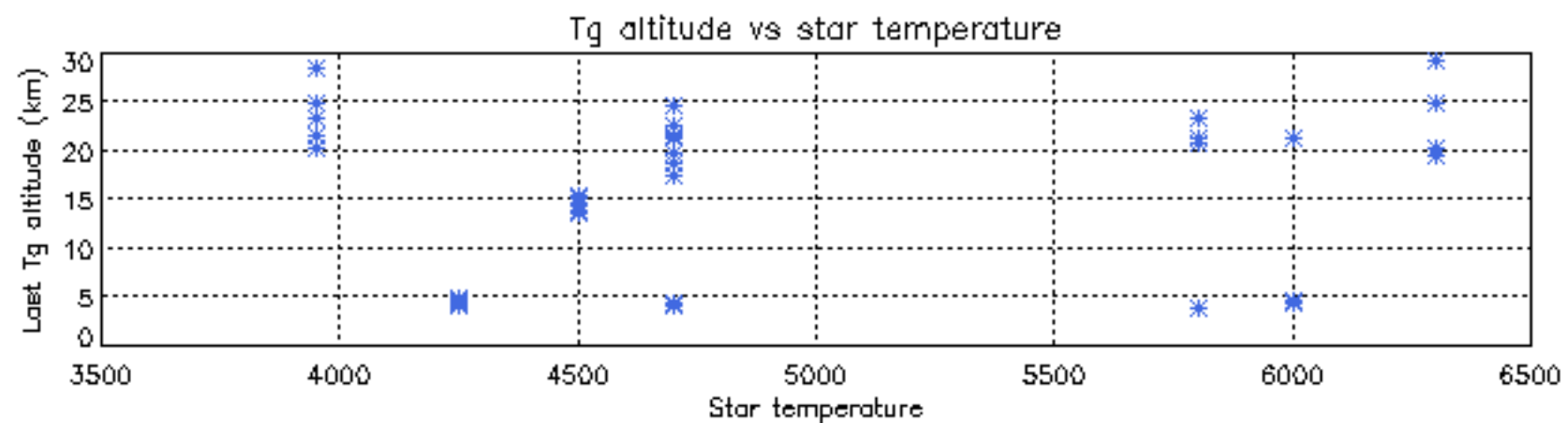
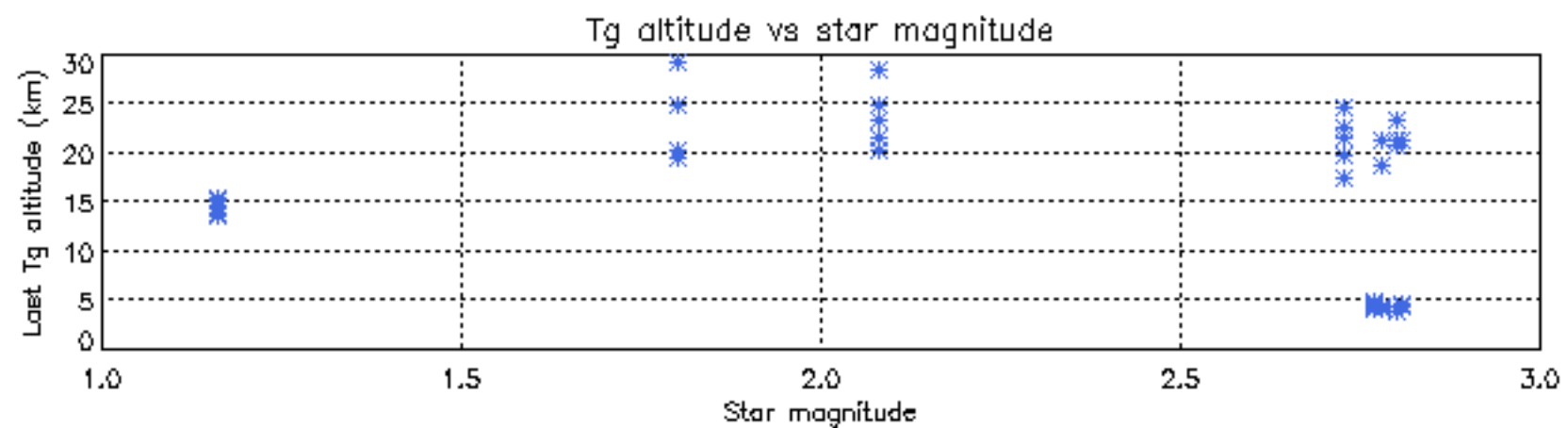
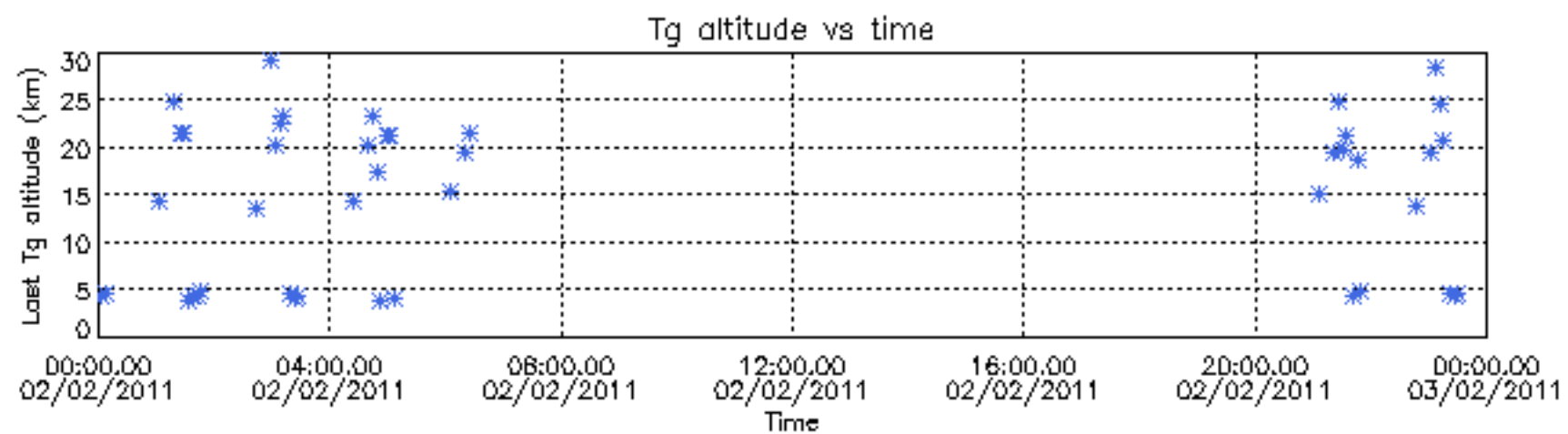


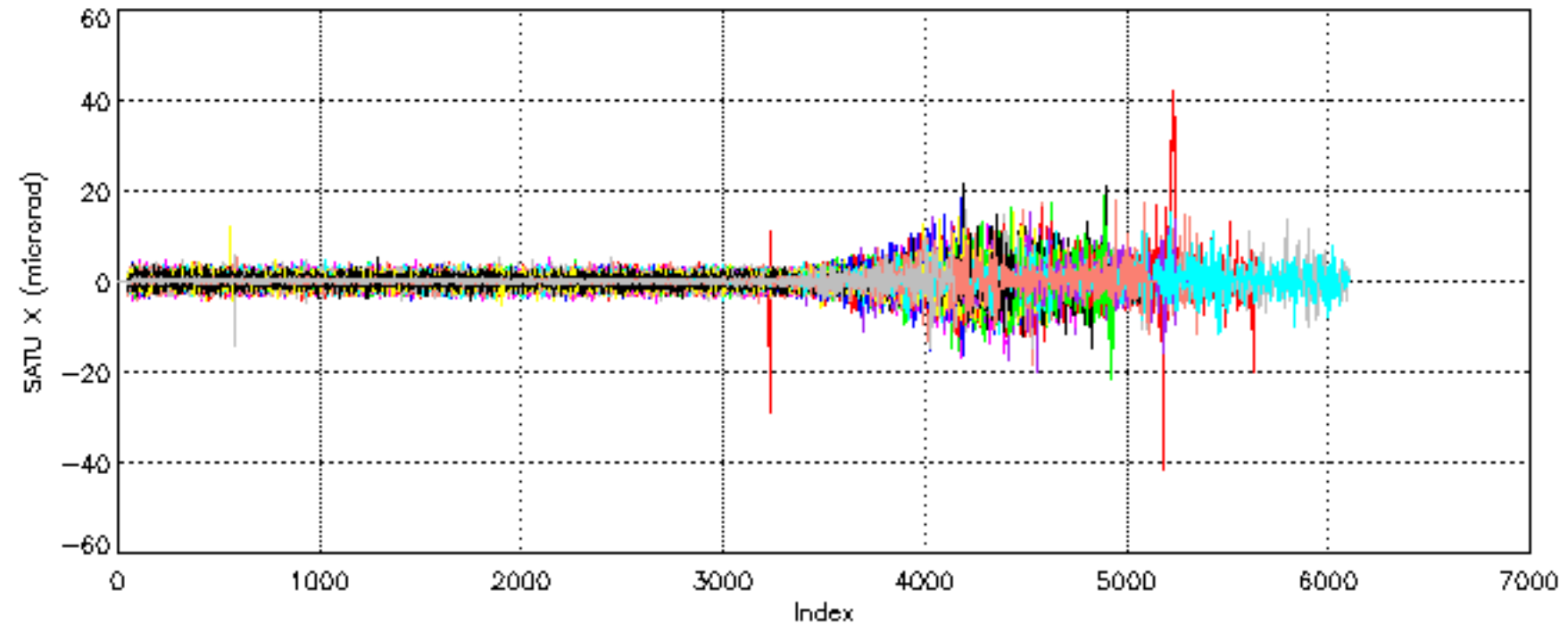


Tangent altitude at which the star is lost

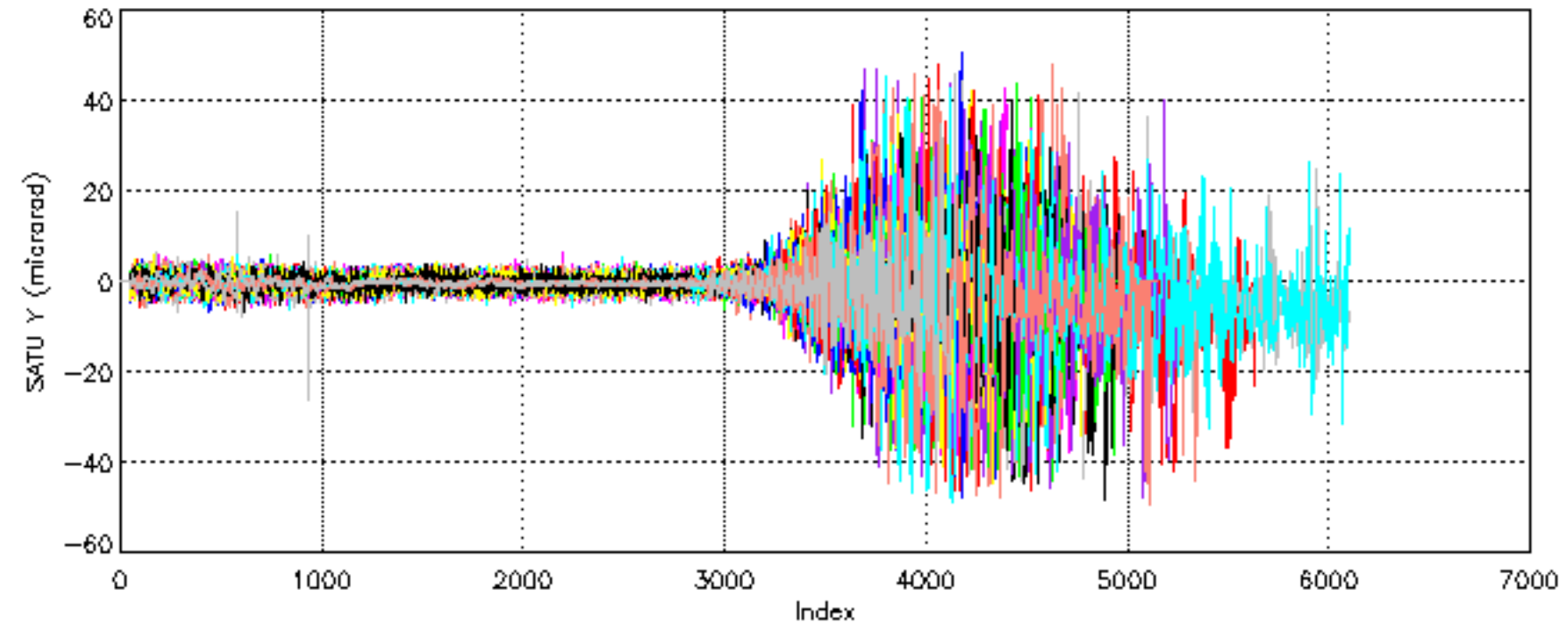


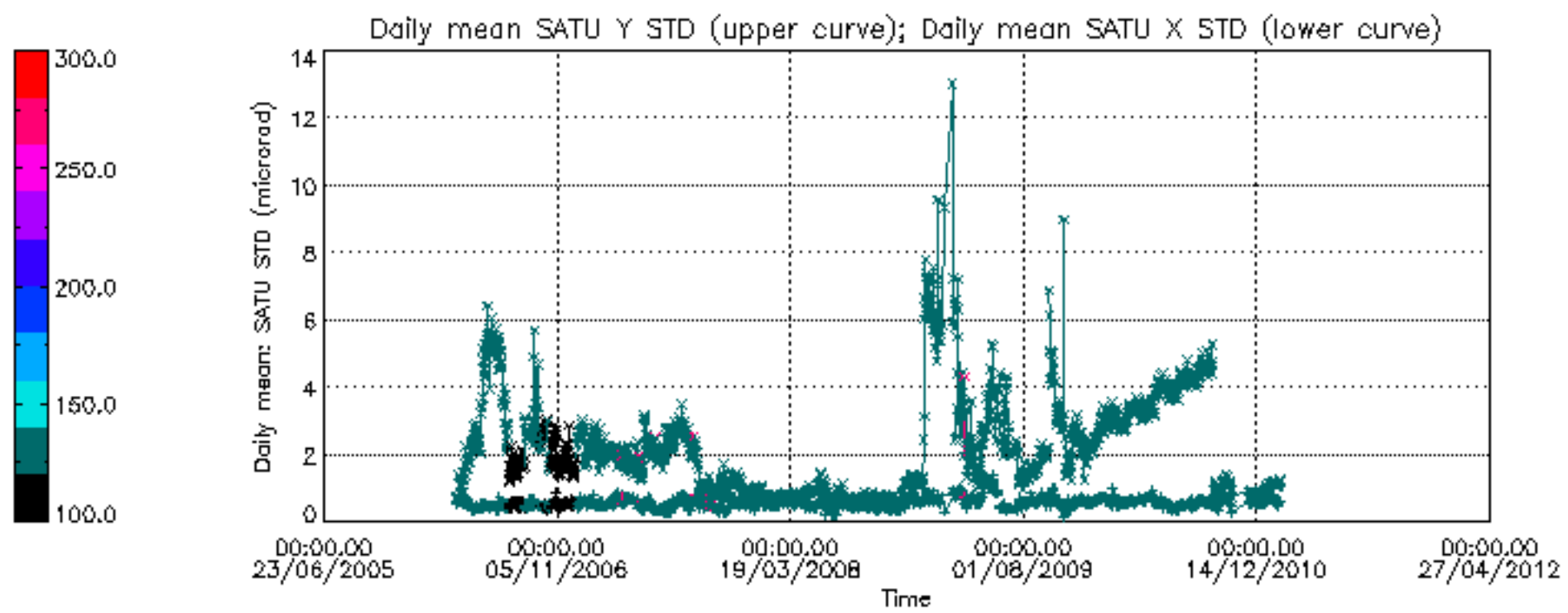
Tangent altitude at which the star is lost











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 2; -464.4; 01-FEB-2011 00:52:45; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;46654  
 3; 15.5; 01-FEB-2011 01:00:45; Dark ; 44.5; 109; Bet Lup ; 2.68; 26000;occ; 89; 0;46655  
 4; 109.8; 01-FEB-2011 01:02:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46655  
 5; 263.2; 01-FEB-2011 01:04:53; Dark ; 52.5; 10; Bet Cen ; 0.61; 28000;occ; 105; 0;46655  
 6; 465.9; 01-FEB-2011 01:08:15; Dark ; 50.0; 12; Alp1Cru ; 0.77; 30000;occ; 100; 0;46655  
 7; 587.0; 01-FEB-2011 01:10:16; Dark ; 46.5; 99; Del Cen ; 2.58; 26000;occ; 93; 0;46655  
 8; 808.8; 01-FEB-2011 01:13:58; Dark ; 49.0; 113; Mu Vel ; 2.69; 5000;occ; 98; 0;46655  
 9; 1072.2; 01-FEB-2011 01:18:22; Dark ; 45.5; 65; Lam Vel ; 2.20; 4400;occ; 91; 0;46655  
 10; 1457.7; 01-FEB-2011 01:24:47; Dark ; 43.0; 132; 15Rho Pup ; 2.80; 6900;occ; 86; 0;46655  
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 15; 3593.4; 01-FEB-2011 02:00:23; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;46655  
 16; 3875.8; 01-FEB-2011 02:05:05; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;46655  
 17; 4066.7; 01-FEB-2011 02:08:16; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;46655  
 18; 4465.4; 01-FEB-2011 02:14:55; Bright; 63.0; 133; 40Zet Her ; 2.81; 6000;occ; 126; 0;46655  
 19; 4682.8; 01-FEB-2011 02:18:32; Bright; 47.0; 127; 27Bet Her ; 2.78; 4700;occ; 94; 0;46655  
 20; 4903.9; 01-FEB-2011 02:22:13; Bright; 53.5; 126; 60Bet Oph ; 2.77; 4250;occ; 107; 0;46655

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 4; 16.4; 01-FEB-2011 02:41:00; Dark ; 44.0; 109; Bet Lup ; 2.68; 26000;occ; 88; 0;46656  
 5; 110.5; 01-FEB-2011 02:42:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46656  
 6; 263.8; 01-FEB-2011 02:45:07; Dark ; 43.0; 10; Bet Cen ; 0.61; 28000;occ; 86; 0;46656  
 7; 466.5; 01-FEB-2011 02:48:30; Dark ; 41.0; 12; Alp1Cru ; 0.77; 30000;occ; 82; 0;46656  
 8; 587.9; 01-FEB-2011 02:50:31; Dark ; 46.0; 99; Del Cen ; 2.58; 26000;occ; 92; 0;46656  
 9; 809.5; 01-FEB-2011 02:54:13; Dark ; 50.0; 113; Mu Vel ; 2.69; 5000;occ; 100; 0;46656  
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 11; 1458.0; 01-FEB-2011 03:05:01; Dark ; 40.5; 132; 15Rho Pup ; 2.80; 6900;occ; 81; 0;46656  
 12; 1730.8; 01-FEB-2011 03:09:34; Dark ; 53.0; 48; 30Alp Hya ; 1.98; 4100;occ; 106; 0;46656  
 13; 1980.5; 01-FEB-2011 03:13:44; Dark ; 49.0; 8; 10Alp CMi ; 0.40; 6500;occ; 98; 0;46656  
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 2; -2138.3; 01-FEB-2011 03:45:19; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;46656  
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 11; 17.4; 01-FEB-2011 04:21:15; Dark ; 45.0; 109; Bet Lup ; 2.68; 26000;occ; 90; 0;46657  
 12; 111.2; 01-FEB-2011 04:22:49; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46657  
 13; 264.4; 01-FEB-2011 04:25:22; Dark ; 43.0; 10; Bet Cen ; 0.61; 28000;occ; 86; 0;46657  
 14; 467.0; 01-FEB-2011 04:28:44; Dark ; 52.0; 12; Alp1Cru ; 0.77; 30000;occ; 104; 0;46657  
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 2; -1947.4; 01-FEB-2011 05:28:44; Bright; 34.5; 130; 23Bet Dra ; 2.80; 5800;occ; 69; 0;46657  
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11; 111.9; 01-FEB-2011 06:03:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46658
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13; 467.6; 01-FEB-2011 06:08:59; Dark ; 42.5; 12; Alp1Cru ; 0.77; 30000;occ; 85; 0;46658
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16; 1073.2; 01-FEB-2011 06:19:05; Dark ; 44.5; 65; Lam Vel ; 2.20; 4400;occ; 89; 0;46658
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19; 1980.6; 01-FEB-2011 06:34:12; Dark ; 50.0; 8; 10Alp CMi ; 0.40; 6500;occ; 100; 0;46658
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21; 3262.1; 01-FEB-2011 06:55:34; Bright; 44.5; 36; 50Alp UMa ; 1.80; 6300;occ; 89; 0;46658
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4; 2377.6; 01-FEB-2011 20:02:41; Bright; 41.0; 17; 78Bet Gem ; 1.16; 4500;occ; 82; 0;46666
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6; 118.2; 01-FEB-2011 21:05:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46667
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19; 4467.1; 01-FEB-2011 22:17:45; Bright; 43.0; 133; 40Zet Her ; 2.81; 6000;occ; 86; 0;46667
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12; 112.6; 01-FEB-2011 07:43:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46659
13; 265.5; 01-FEB-2011 07:45:51; Dark ; 50.5; 10; Bet Cen ; 0.61; 28000;occ; 101; 0;46659
14; 468.2; 01-FEB-2011 07:49:14; Dark ; 50.0; 12; Alp1Cru ; 0.77; 30000;occ; 100; 0;46659
15; 590.2; 01-FEB-2011 07:51:16; Dark ; 46.5; 99; Del Cen ; 2.58; 26000;occ; 93; 0;46659
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19; 4697.2; 03-FEB-2011 22:48:21; Bright; 70.0; 127; 27Bet Her ; 2.78; 4700;occ; 140; 0;46696
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13; 483.7; 03-FEB-2011 08:16:16; Dark ; 47.0; 12; Alp1Cru ; 0.77; 30000;occ; 94; 0;46688
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7; 4470.0; 03-FEB-2011 09:22:42; Bright; 43.0; 133; 40Zet Her ; 2.81; 6000;occ; 86; 0;46688
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9; 4914.8; 03-FEB-2011 09:30:07; Bright; 55.0; 126; 60Bet Oph ; 2.77; 4250;occ; 110; 0;46688
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23; 6864.5; 06-FEB-2011 03:11:43; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;46728
24; 7741.4; 06-FEB-2011 03:26:20; Dark ; 54.0; 48; 30Alp Hya ; 1.98; 4100;occ; 108; 0;46728
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 9; -308.6; 06-FEB-2011 04:32:38; Dark ; 46.0; 158; 6Pi Sco ; 2.91; 28000;occ; 92; 0;46728
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 7; 4063.6; 06-FEB-2011 20:47:36; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;46738
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 9; 4713.4; 06-FEB-2011 20:58:26; Bright; 27.0; 127; 27Bet Her ; 2.78; 4700;occ; 54; 0;46738
10; 4802.6; 06-FEB-2011 20:59:55; Bright; 59.0; 59; 55Alp Oph ; 2.08; 8900;occ; 118; 0;46738
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13; 3858.6; 06-FEB-2011 22:24:25; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;46739
14; 4063.5; 06-FEB-2011 22:27:50; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;46739
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17; 4802.8; 06-FEB-2011 22:40:09; Bright; 59.0; 59; 55Alp Oph ; 2.08; 8900;occ; 118; 0;46739
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 5; 171.1; 06-FEB-2011 23:03:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46740
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 7; 510.8; 06-FEB-2011 23:08:51; Dark ; 44.0; 12; Alp1Cru ; 0.77; 30000;occ; 88; 0;46740
 8; 651.8; 06-FEB-2011 23:11:12; Dark ; 48.5; 99; Del Cen ; 2.58; 26000;occ; 97; 0;46740

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 12; 3208.8; 06-FEB-2011 23:53:49; Bright; 47.0; 36; 50Alp UMa ; 1.80; 6300;occ; 94; 0;46740  
 13; 3571.2; 06-FEB-2011 23:59:52; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;46740  
 14; 3858.4; 07-FEB-2011 00:04:39; Bright; 51.5; 119; 14Eta Dra ; 2.73; 4700;occ; 103; 0;46740  
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 5;-1214.2; 06-FEB-2011 07:38:00; Bright; 58.0; 59; 55Alp Oph ; 2.08; 8900;occ; 116; 0;46730  
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3; 3153.4; 07-FEB-2011 21:35:56; Bright; 39.0; 82; 48Bet UMa ; 2.37; 10600;occ; 78; 0;46753
4; 3567.8; 07-FEB-2011 21:42:50; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;46753
5; 3855.6; 07-FEB-2011 21:47:38; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;46753
6; 4062.7; 07-FEB-2011 21:51:05; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;46753
7; 4478.9; 07-FEB-2011 21:58:01; Bright; 46.5; 133; 40Zet Her ; 2.81; 6000;occ; 93; 0;46753
8; 4807.7; 07-FEB-2011 22:03:30; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;46753
9; 4938.8; 07-FEB-2011 22:05:41; Bright; 47.0; 126; 60Bet Oph ; 2.77; 4250;occ; 94; 0;46753
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2; -1950.6; 07-FEB-2011 06:49:00; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;46744
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5; -1078.7; 07-FEB-2011 07:03:32; Bright; 40.5; 126; 60Bet Oph ; 2.77; 4250;occ; 81; 0;46744
6; -671.2; 07-FEB-2011 07:10:19; Dark ; 45.0; 86; 35Eta Oph ; 2.43; 10200;occ; 90; 0;46744
7; -394.4; 07-FEB-2011 07:14:56; Dark ; 58.0; 16; 21Alp Sco ; 1.02; 3000;occ; 116; 0;46744
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13; 655.6; 07-FEB-2011 07:32:26; Dark ; 45.5; 99; Del Cen ; 2.58; 26000;occ; 91; 0;46745
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3; 3159.8; 07-FEB-2011 08:14:10; Bright; 27.0; 82; 48Bet UMa ; 2.37; 10600;occ; 54; 0;46745
4; 3569.8; 07-FEB-2011 08:21:00; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;46745
5; 3857.5; 07-FEB-2011 08:25:48; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;46745
6; 4063.4; 07-FEB-2011 08:29:14; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;46745
7; 4478.0; 07-FEB-2011 08:36:09; Bright; 68.0; 133; 40Zet Her ; 2.81; 6000;occ; 136; 0;46745
8; 4805.2; 07-FEB-2011 08:41:36; Bright; 40.0; 59; 55Alp Oph ; 2.08; 8900;occ; 80; 0;46745
9; 4935.7; 07-FEB-2011 08:43:46; Bright; 40.0; 126; 60Bet Oph ; 2.77; 4250;occ; 80; 0;46745

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 12; 5723.7; 07-FEB-2011 08:56:54; Dark ; 49.0; 158; 6Pi Sco ; 2.91; 28000;occ; 98; 0;46745  
 13; 5974.6; 07-FEB-2011 09:01:05; Dark ; 45.0; 131; Gam Lup ; 2.80; 26000;occ; 90; 0;46745  
 14; 6189.5; 07-FEB-2011 09:04:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46746  
 15; 6332.2; 07-FEB-2011 09:07:03; Dark ; 42.0; 10; Bet Cen ; 0.61; 28000;occ; 84; 0;46746  
 16; 6528.2; 07-FEB-2011 09:10:19; Dark ; 41.0; 12; Alp1Cru ; 0.77; 30000;occ; 82; 0;46746  
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 3; 3158.8; 07-FEB-2011 09:54:23; Bright; 30.0; 82; 48Bet UMa ; 2.37; 10600;occ; 60; 0;46746  
 4; 3569.6; 07-FEB-2011 10:01:14; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;46746  
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 7; 4478.1; 07-FEB-2011 10:16:23; Bright; 68.0; 133; 40Zet Her ; 2.81; 6000;occ; 136; 0;46746  
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 9; 4936.2; 07-FEB-2011 10:24:01; Bright; 57.0; 126; 60Bet Oph ; 2.77; 4250;occ; 114; 0;46746  
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 11; 5621.3; 07-FEB-2011 10:35:26; Dark ; 54.0; 16; 21Alp Sco ; 1.02; 3000;occ; 108; 0;46746  
 12; 5724.8; 07-FEB-2011 10:37:09; Dark ; 49.5; 158; 6Pi Sco ; 2.91; 28000;occ; 99; 0;46746  
 13; 5975.6; 07-FEB-2011 10:41:20; Dark ; 46.0; 131; Gam Lup ; 2.80; 26000;occ; 92; 0;46746  
 14; 6190.2; 07-FEB-2011 10:44:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46747  
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 17; 6670.9; 07-FEB-2011 10:52:55; Dark ; 46.0; 99; Del Cen ; 2.58; 26000;occ; 92; 0;46747  
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 3; 3158.2; 07-FEB-2011 11:34:37; Bright; 30.0; 82; 48Bet UMa ; 2.37; 10600;occ; 60; 0;46747  
 4; 3569.4; 07-FEB-2011 11:41:28; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;46747  
 5; 3857.0; 07-FEB-2011 11:46:15; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;46747  
 6; 4063.2; 07-FEB-2011 11:49:42; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;46747  
 7; 4478.4; 07-FEB-2011 11:56:37; Bright; 68.0; 133; 40Zet Her ; 2.81; 6000;occ; 136; 0;46747  
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 11; 5622.1; 07-FEB-2011 12:15:40; Dark ; 63.5; 16; 21Alp Sco ; 1.02; 3000;occ; 127; 0;46747  
 12; 5726.0; 07-FEB-2011 12:17:24; Dark ; 50.5; 158; 6Pi Sco ; 2.91; 28000;occ; 101; 0;46747  
 13; 5976.4; 07-FEB-2011 12:21:35; Dark ; 46.0; 131; Gam Lup ; 2.80; 26000;occ; 92; 0;46747  
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 15; 6333.2; 07-FEB-2011 12:27:32; Dark ; 41.5; 10; Bet Cen ; 0.61; 28000;occ; 83; 0;46748  
 16; 6529.3; 07-FEB-2011 12:30:48; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;46748  
 17; 6671.7; 07-FEB-2011 12:33:10; Dark ; 45.0; 99; Del Cen ; 2.58; 26000;occ; 90; 0;46748  
 18; 6874.9; 07-FEB-2011 12:36:33; Dark ; 43.0; 113; Mu Vel ; 2.69; 5000;occ; 86; 0;46748

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 7; 4478.5; 07-FEB-2011 13:36:51; Bright; 69.0; 133; 40Zet Her ; 2.81; 6000;occ; 138; 0;46748  
 8; 4806.2; 07-FEB-2011 13:42:19; Bright; 59.0; 59; 55Alp Oph ; 2.08; 8900;occ; 118; 0;46748  
 9; 4937.0; 07-FEB-2011 13:44:29; Bright; 57.0; 126; 60Bet Oph ; 2.77; 4250;occ; 114; 0;46748  
 10; 5345.4; 07-FEB-2011 13:51:18; Dark ; 48.0; 86; 35Eta Oph ; 2.43; 10200;occ; 96; 0;46748  
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 12; 5727.0; 07-FEB-2011 13:57:39; Dark ; 48.5; 158; 6Pi Sco ; 2.91; 28000;occ; 97; 0;46748  
 13; 5977.4; 07-FEB-2011 14:01:50; Dark ; 46.0; 131; Gam Lup ; 2.80; 26000;occ; 92; 0;46748  
 14; 6191.7; 07-FEB-2011 14:05:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46749  
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 17; 6672.5; 07-FEB-2011 14:13:25; Dark ; 45.5; 99; Del Cen ; 2.58; 26000;occ; 91; 0;46749  
 18; 6875.7; 07-FEB-2011 14:16:48; Dark ; 43.0; 113; Mu Vel ; 2.69; 5000;occ; 86; 0;46749

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3; 3156.7; 07-FEB-2011 14:55:03; Bright; 33.0; 82; 48Bet UMa ; 2.37; 10600;occ; 66; 0;46749
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5; 3856.7; 07-FEB-2011 15:06:43; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;46749
6; 4063.4; 07-FEB-2011 15:10:10; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;46749
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4; 3568.7; 07-FEB-2011 16:42:09; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;46750
5; 3856.3; 07-FEB-2011 16:46:57; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;46750
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16; 6530.9; 07-FEB-2011 17:31:31; Dark ; 41.0; 12; Alp1Cru ; 0.77; 30000;occ; 82; 0;46751
17; 6674.1; 07-FEB-2011 17:33:55; Dark ; 44.5; 99; Del Cen ; 2.58; 26000;occ; 89; 0;46751
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3; 3155.1; 07-FEB-2011 18:15:30; Bright; 36.0; 82; 48Bet UMa ; 2.37; 10600;occ; 72; 0;46751
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7; 4478.9; 07-FEB-2011 18:37:33; Bright; 48.0; 133; 40Zet Her ; 2.81; 6000;occ; 96; 0;46751
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10; 5347.2; 07-FEB-2011 18:52:02; Dark ; 49.5; 86; 35Eta Oph ; 2.43; 10200;occ; 99; 0;46751
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12; 5730.3; 07-FEB-2011 18:58:25; Dark ; 50.0; 158; 6Pi Sco ; 2.91; 28000;occ; 100; 0;46751
13; 5980.2; 07-FEB-2011 19:02:35; Dark ; 44.0; 131; Gam Lup ; 2.80; 26000;occ; 88; 0;46751
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3; 3115.5; 11-FEB-2011 10:47:12; Bright; 59.5; 82; 48Bet UMa ; 2.37; 10600;occ; 119; 0;46804
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3; 3113.4; 11-FEB-2011 15:47:52; Bright; 47.0; 82; 48Bet UMa ; 2.37; 10600;occ; 94; 0;46807
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4; 24.6; 12-FEB-2011 00:57:47; Dark ; 45.0; 131; Gam Lup ; 2.80; 26000;occ; 90; 0;46813
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6; 359.4; 12-FEB-2011 01:03:22; Dark ; 44.5; 10; Bet Cen ; 0.61; 28000;occ; 89; 0;46813
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7; 555.1; 13-FEB-2011 00:29:54; Dark ; 49.0; 12; Alp1Cru ; 0.77; 30000;occ; 98; 0;46827
8; 645.0; 13-FEB-2011 00:31:24; Dark ; 49.0; 64; Gam Cen ; 2.20; 10600;occ; 98; 0;46827
9; 900.2; 13-FEB-2011 00:35:39; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;46827
10; 1727.0; 13-FEB-2011 00:49:26; Dark ; 48.0; 48; 30Alp Hya ; 1.98; 4100;occ; 96; 0;46827
11; 2384.4; 13-FEB-2011 01:00:23; Bright; 48.0; 166; 17Eps Leo ; 2.98; 6000;occ; 96; 0;46827
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13; 3546.4; 13-FEB-2011 01:19:45; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;46827
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16; 4304.7; 13-FEB-2011 01:32:24; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;46827
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3; -193.0; 13-FEB-2011 01:57:40; Dark ; 53.5; 158; 6Pi Sco ; 2.91; 28000;occ; 107; 0;46827
4; 39.4; 13-FEB-2011 02:01:32; Dark ; 46.0; 131; Gam Lup ; 2.80; 26000;occ; 92; 0;46828
5; 237.1; 13-FEB-2011 02:04:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46828
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9; 900.8; 13-FEB-2011 02:15:54; Dark ; 41.5; 113; Mu Vel ; 2.69; 5000;occ; 83; 0;46828
10; 1727.0; 13-FEB-2011 02:29:40; Dark ; 44.0; 48; 30Alp Hya ; 1.98; 4100;occ; 88; 0;46828
11; 2383.8; 13-FEB-2011 02:40:37; Bright; 45.5; 166; 17Eps Leo ; 2.98; 6000;occ; 91; 0;46828
12; 3098.4; 13-FEB-2011 02:52:31; Bright; 45.5; 82; 48Bet UMa ; 2.37; 10600;occ; 91; 0;46828
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7; -611.4; 13-FEB-2011 03:30:55; Dark ; 48.5; 86; 35Eta Oph ; 2.43; 10200;occ; 97; 0;46828
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13; 369.3; 13-FEB-2011 03:47:16; Dark ; 43.5; 10; Bet Cen ; 0.61; 28000;occ; 87; 0;46829
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13; 556.8; 13-FEB-2011 05:30:38; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;46830
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 4; 3545.4; 13-FEB-2011 08:00:40; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;46831
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 7; 4305.3; 13-FEB-2011 08:13:20; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;46831
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 9; 4973.5; 13-FEB-2011 08:24:29; Bright; 46.5; 126; 60Bet Oph ; 2.77; 4250;occ; 93; 0;46831
10; 5405.0; 13-FEB-2011 08:31:40; Dark ; 50.5; 86; 35Eta Oph ; 2.43; 10200;occ; 101; 0;46831
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12; 5826.4; 13-FEB-2011 08:38:41; Dark ; 57.0; 158; 6Pi Sco ; 2.91; 28000;occ; 114; 0;46831
13; 6057.5; 13-FEB-2011 08:42:33; Dark ; 48.0; 131; Gam Lup ; 2.80; 26000;occ; 96; 0;46832
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 4; 3835.1; 13-FEB-2011 09:45:44; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;46832
 5; 4056.3; 13-FEB-2011 09:49:25; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;46832
 6; 4305.3; 13-FEB-2011 09:53:34; Bright; 39.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 78; 0;46832
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 5; 4056.2; 13-FEB-2011 11:29:39; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;46833  
 6; 4305.5; 13-FEB-2011 11:33:48; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;46833  
 7; 4839.5; 13-FEB-2011 11:42:43; Bright; 45.0; 59; 55Alp Oph ; 2.08; 8900;occ; 90; 0;46833  
 8; 4974.6; 13-FEB-2011 11:44:58; Bright; 45.5; 126; 60Bet Oph ; 2.77; 4250;occ; 91; 0;46833  
 9; 5406.6; 13-FEB-2011 11:52:10; Dark ; 47.5; 86; 35Eta Oph ; 2.43; 10200;occ; 95; 0;46833  
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 9; 71.4; 15-FEB-2011 05:49:19; Dark ; 48.0; 131; Gam Lup ; 2.80; 26000;occ; 96; 0;46859
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15; 915.2; 15-FEB-2011 06:03:22; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;46859
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9; 72.3; 15-FEB-2011 07:29:34; Dark ; 47.0; 131; Gam Lup ; 2.80; 26000;occ; 94; 0;46860  
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4; 3536.4; 15-FEB-2011 08:27:18; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;46860  
5; 3826.5; 15-FEB-2011 08:32:08; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;46860  
6; 4052.9; 15-FEB-2011 08:35:54; Bright; 40.5; 130; 23Bet Dra ; 2.80; 5800;occ; 81; 0;46860  
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8; 4851.7; 15-FEB-2011 08:49:13; Bright; 52.5; 59; 55Alp Oph ; 2.08; 8900;occ; 105; 0;46860  
9; 4988.3; 15-FEB-2011 08:51:29; Dark ; 52.0; 126; 60Bet Oph ; 2.77; 4250;occ; 104; 0;46860  
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13; 6087.4; 15-FEB-2011 09:09:49; Dark ; 48.5; 131; Gam Lup ; 2.80; 26000;occ; 97; 0;46861  
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16; 6484.1; 15-FEB-2011 09:16:25; Dark ; 45.0; 77; Eps Cen ; 2.30; 28000;occ; 90; 0;46861  
17; 6586.4; 15-FEB-2011 09:18:08; Dark ; 51.0; 12; Alp1Cru ; 0.77; 30000;occ; 102; 0;46861  
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5; 3826.3; 15-FEB-2011 10:12:21; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;46861  
6; 4052.7; 15-FEB-2011 10:16:08; Bright; 41.0; 130; 23Bet Dra ; 2.80; 5800;occ; 82; 0;46861  
7; 4307.9; 15-FEB-2011 10:20:23; Bright; 36.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 73; 0;46861  
8; 4852.1; 15-FEB-2011 10:29:27; Bright; 65.0; 59; 55Alp Oph ; 2.08; 8900;occ; 130; 0;46861  
9; 4988.6; 15-FEB-2011 10:31:44; Dark ; 51.0; 126; 60Bet Oph ; 2.77; 4250;occ; 102; 0;46861  
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13; 6088.4; 15-FEB-2011 10:50:04; Dark ; 46.5; 131; Gam Lup ; 2.80; 26000;occ; 93; 0;46862  
14; 6277.1; 15-FEB-2011 10:53:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46862  
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16; 6484.9; 15-FEB-2011 10:56:40; Dark ; 43.0; 77; Eps Cen ; 2.30; 28000;occ; 86; 0;46862  
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4; 3535.6; 15-FEB-2011 13:27:59; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;46863  
5; 3825.6; 15-FEB-2011 13:32:49; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;46863  
6; 4052.5; 15-FEB-2011 13:36:36; Bright; 42.0; 130; 23Bet Dra ; 2.80; 5800;occ; 84; 0;46863  
7; 4308.2; 15-FEB-2011 13:40:51; Bright; 41.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 83; 0;46863  
8; 4853.2; 15-FEB-2011 13:49:56; Bright; 48.5; 59; 55Alp Oph ; 2.08; 8900;occ; 97; 0;46863  
9; 4989.9; 15-FEB-2011 13:52:13; Dark ; 52.0; 126; 60Bet Oph ; 2.77; 4250;occ; 104; 0;46863  
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11; 5735.6; 15-FEB-2011 14:04:39; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;46863  
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13; 6090.4; 15-FEB-2011 14:10:33; Dark ; 47.0; 131; Gam Lup ; 2.80; 26000;occ; 94; 0;46864  
14; 6278.6; 15-FEB-2011 14:13:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46864  
15; 6404.8; 15-FEB-2011 14:15:48; Dark ; 44.5; 10; Bet Cen ; 0.61; 28000;occ; 89; 0;46864  
16; 6486.5; 15-FEB-2011 14:17:10; Dark ; 43.5; 77; Eps Cen ; 2.30; 28000;occ; 87; 0;46864  
17; 6587.7; 15-FEB-2011 14:18:51; Dark ; 41.0; 12; Alp1Cru ; 0.77; 30000;occ; 82; 0;46864



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3; 3073.9; 15-FEB-2011 15:00:31; Bright; 45.0; 82; 48Bet UMa ; 2.37; 10600;occ; 90; 0;46864
4; 3535.4; 15-FEB-2011 15:08:12; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;46864
5; 3825.3; 15-FEB-2011 15:13:02; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;46864
6; 4052.7; 15-FEB-2011 15:16:50; Bright; 41.5; 130; 23Bet Dra ; 2.80; 5800;occ; 83; 0;46864
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13; 6091.5; 15-FEB-2011 15:50:49; Dark ; 47.5; 131; Gam Lup ; 2.80; 26000;occ; 95; 0;46865
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5; 3824.9; 15-FEB-2011 16:53:16; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;46865
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19; 6753.0; 15-FEB-2011 17:42:04; Dark ; 44.5; 99; Del Cen ; 2.58; 26000;occ; 89; 0;46866
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20; 6753.8; 15-FEB-2011 19:22:19; Dark ; 43.5; 99; Del Cen ; 2.58; 26000;occ; 87; 0;46867
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9; 102.9; 17-FEB-2011 07:56:50; Dark ; 47.0; 131; Gam Lup ; 2.80; 26000;occ; 94; 0;46889
10; 283.9; 17-FEB-2011 07:59:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46889
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13; 631.4; 17-FEB-2011 08:05:39; Dark ; 58.5; 26; Gam Cru ; 1.62; 2900;occ; 117; 0;46889
14; 753.8; 17-FEB-2011 08:07:41; Dark ; 46.5; 99; Del Cen ; 2.58; 26000;occ; 93; 0;46889
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3; 2355.7; 17-FEB-2011 08:34:23; Bright; 42.5; 166; 17Eps Leo ; 2.98; 6000;occ; 85; 0;46889
4; 3057.4; 17-FEB-2011 08:46:05; Bright; 60.5; 82; 48Bet UMa ; 2.37; 10600;occ; 121; 0;46889
5; 3527.7; 17-FEB-2011 08:53:55; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;46889
6; 3817.3; 17-FEB-2011 08:58:45; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;46889
7; 4049.0; 17-FEB-2011 09:02:36; Bright; 43.0; 130; 23Bet Dra ; 2.80; 5800;occ; 86; 0;46889
8; 4310.2; 17-FEB-2011 09:06:58; Bright; 38.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 77; 0;46889
9; 4865.5; 17-FEB-2011 09:16:13; Bright; 53.5; 59; 55Alp Oph ; 2.08; 8900;occ; 107; 0;46889
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3; 407.4; 17-FEB-2011 11:22:23; Dark ; 44.0; 10; Bet Cen ; 0.61; 28000;occ; 88; 0;46891
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3; 2354.9; 17-FEB-2011 11:54:50; Bright; 44.5; 166; 17Eps Leo ; 2.98; 6000;occ; 89; 0;46891
4; 3056.3; 17-FEB-2011 12:06:31; Bright; 44.5; 82; 48Bet UMa ; 2.37; 10600;occ; 89; 0;46891
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6; 3816.6; 17-FEB-2011 12:19:12; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;46891
7; 4048.7; 17-FEB-2011 12:23:04; Bright; 42.5; 130; 23Bet Dra ; 2.80; 5800;occ; 85; 0;46891
8; 4310.3; 17-FEB-2011 12:27:26; Bright; 42.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 84; 0;46891
9; 4866.5; 17-FEB-2011 12:36:42; Bright; 51.5; 59; 55Alp Oph ; 2.08; 8900;occ; 103; 0;46891
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5; 3816.5; 17-FEB-2011 13:59:26; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;46892
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9; 5005.8; 17-FEB-2011 14:19:15; Dark ; 51.0; 126; 60Bet Oph ; 2.77; 4250;occ; 102; 0;46892
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13; 6121.3; 17-FEB-2011 14:37:50; Dark ; 50.0; 131; Gam Lup ; 2.80; 26000;occ; 100; 0;46893
14; 6301.0; 17-FEB-2011 14:40:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46893

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13; 5788.6; 17-FEB-2011 16:12:32; Dark ; 54.5; 75; 26Eps Sco ; 2.29; 4250;occ; 109; 0;46893
14; 6122.7; 17-FEB-2011 16:18:06; Dark ; 49.0; 131; Gam Lup ; 2.80; 26000;occ; 98; 0;46894
15; 6301.8; 17-FEB-2011 16:21:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46894
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18; 6648.4; 17-FEB-2011 16:26:52; Dark ; 52.0; 26; Gam Cru ; 1.62; 2900;occ; 104; 0;46894
19; 6770.9; 17-FEB-2011 16:28:54; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;46894
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 9; 760.5; 18-FEB-2011 02:30:22; Dark ; 46.5; 99; Del Cen ; 2.58; 26000;occ; 93; 0;46900
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 9; 4026.6; 25-FEB-2011 20:50:43; Bright; 47.0; 130; 23Bet Dra ; 2.80; 5800;occ; 94; 0;47011  
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 11; 4761.4; 25-FEB-2011 21:02:58; Bright; 37.0; 168; 17Zet Aql ; 2.99; 11000;occ; 74; 0;47011  
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 19; 3771.6; 25-FEB-2011 22:26:42; Bright; 46.0; 119; 14Eta Dra ; 2.73; 4700;occ; 92; 0;47012  
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 22; 4761.6; 25-FEB-2011 22:43:12; Bright; 38.5; 168; 17Zet Aql ; 2.99; 11000;occ; 77; 0;47012  
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 7; 583.4; 25-FEB-2011 23:13:47; Dark ; 44.0; 77; Eps Cen ; 2.30; 28000;occ; 88; 0;47013  
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 9; 826.2; 25-FEB-2011 23:17:50; Dark ; 42.0; 99; Del Cen ; 2.58; 26000;occ; 84; 0;47013  
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 15; 3273.3; 25-FEB-2011 23:58:37; Bright; 33.0; 32; 77Eps UMa ; 1.76; 11000;occ; 66; 0;47013  
 16; 3487.1; 26-FEB-2011 00:02:11; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;47013  
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 19; 4318.0; 26-FEB-2011 00:16:02; Bright; 43.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 86; 0;47013  
 20; 4762.1; 26-FEB-2011 00:23:26; Bright; 37.5; 168; 17Zet Aql ; 2.99; 11000;occ; 75; 0;47013  
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13; 577.3; 25-FEB-2011 08:11:35; Dark ; 44.5; 77; Eps Cen ; 2.30; 28000;occ; 89; 0;47004
14; 695.5; 25-FEB-2011 08:13:34; Dark ; 46.5; 26; Gam Cru ; 1.62; 2900;occ; 93; 0;47004
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 3; 2835.2; 25-FEB-2011 08:49:13; Bright; 46.5; 174; 52Psi UMa ; 3.00; 4400;occ; 93; 0;47004
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 5; 3079.6; 25-FEB-2011 08:53:18; Bright; 47.0; 87; 64Gam UMa ; 2.43; 11000;occ; 94; 0;47004
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 7; 3774.9; 25-FEB-2011 09:04:53; Bright; 47.0; 119; 14Eta Dra ; 2.73; 4700;occ; 94; 0;47004
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 9; 4317.8; 25-FEB-2011 09:13:56; Bright; 40.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 80; 0;47004
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8; 4020.0; 27-FEB-2011 19:37:08; Bright; 46.0; 130; 23Bet Dra ; 2.80; 5800;occ; 92; 0;47039
9; 4319.4; 27-FEB-2011 19:42:08; Bright; 44.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 89; 0;47039
10; 4770.0; 27-FEB-2011 19:49:38; Bright; 38.0; 168; 17Zet Aql ; 2.99; 11000;occ; 76; 0;47039
11; 5111.3; 27-FEB-2011 19:55:19; Dark ; 61.5; 126; 60Bet Oph ; 2.77; 4250;occ; 123; 0;47039

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12;	5504.4;	27-FEB-2011	20:01:53;	Dark	;	45.5;	137;	22Lam	Sgr	;	2.82;	4400;	occ;	91;	0;	47039
13;	5625.0;	27-FEB-2011	20:03:53;	Dark	;	58.0;	86;	35Eta	Oph	;	2.43;	10200;	occ;	116;	0;	47039
14;	5813.0;	27-FEB-2011	20:07:01;	Dark	;	45.0;	25;	35Lam	Sco	;	1.62;	28000;	occ;	90;	0;	47039
15;	6001.6;	27-FEB-2011	20:10:10;	Dark	;	59.0;	0;			;	0.00;	0;	occ;	118;	0;	47039
16;	6287.6;	27-FEB-2011	20:14:56;	Dark	;	48.0;	131;	Gam	Lup	;	2.80;	26000;	occ;	96;	0;	47040
17;	6511.4;	27-FEB-2011	20:18:40;	Dark	;	42.5;	10;	Bet	Cen	;	0.61;	28000;	occ;	85;	0;	47040
18;	6616.7;	27-FEB-2011	20:20:25;	Dark	;	44.5;	77;	Eps	Cen	;	2.30;	28000;	occ;	89;	0;	47040
19;	6722.6;	27-FEB-2011	20:22:11;	Dark	;	35.0;	54;	5The	Cen	;	2.06;	4500;	occ;	70;	0;	47040
20;	6810.5;	27-FEB-2011	20:23:39;	Dark	;	42.0;	64;	Gam	Cen	;	2.20;	10600;	occ;	84;	0;	47040