

# GOMOS Daily Report 04-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	07FEB2011 04:52:58
Data source version	GOMOS/5.01
Start time of products	04FEB2011 00:04:14
Stop time of products	04FEB2011 23:55:37
Store outputs in DB	Yes
Nb of level 1b prods	103
Nb of prods with errors	0

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

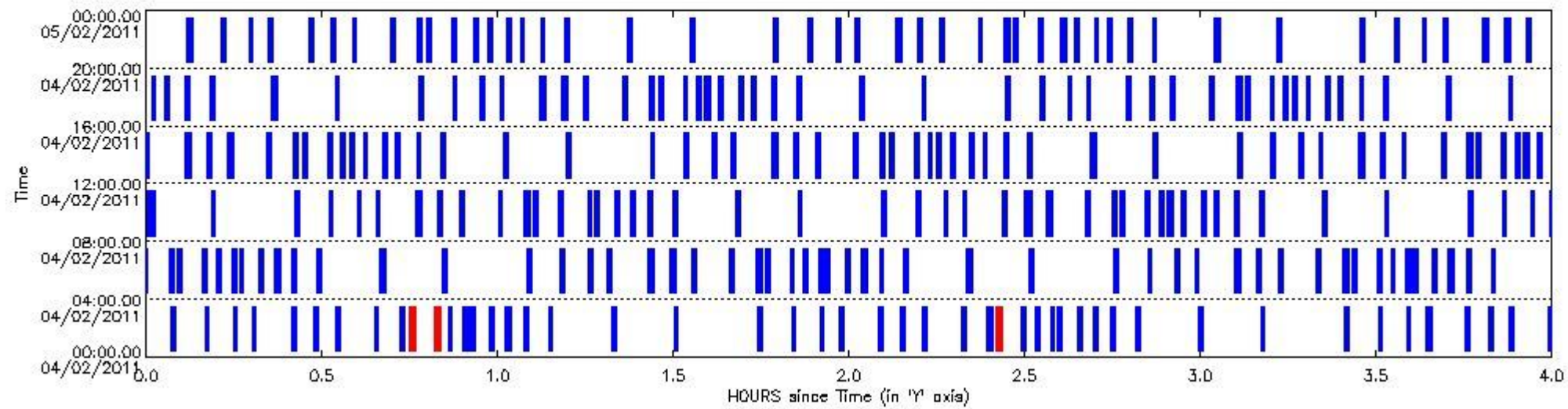
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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
04-FEB-2011 00:44:49	6PiSco	158	46697
04-FEB-2011 00:49:07	GamLup	131	46697
04-FEB-2011 02:25:04	6PiSco	158	46698

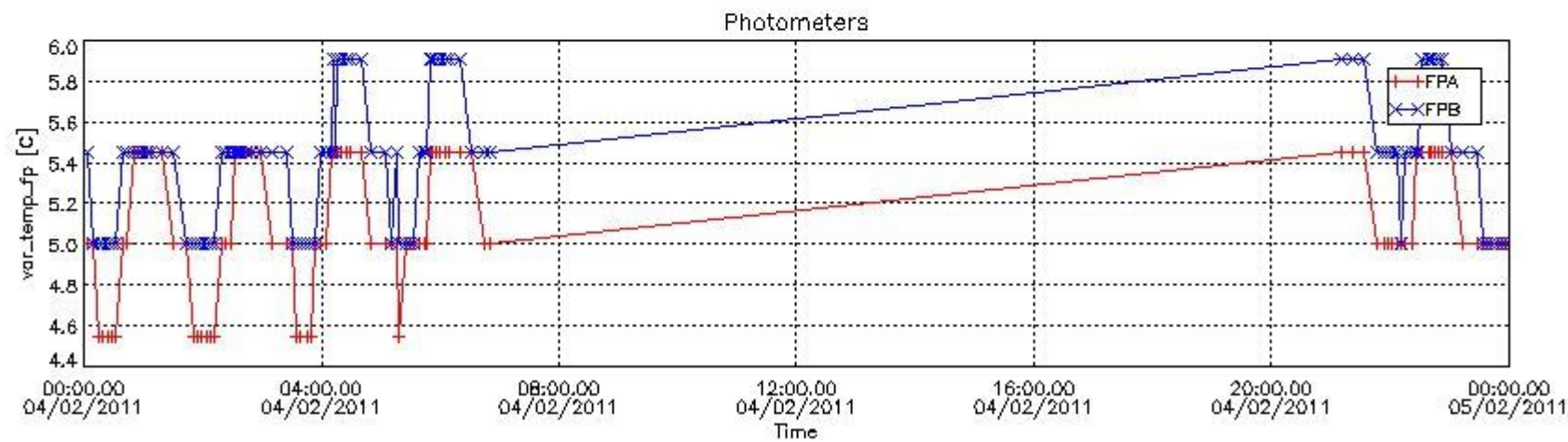
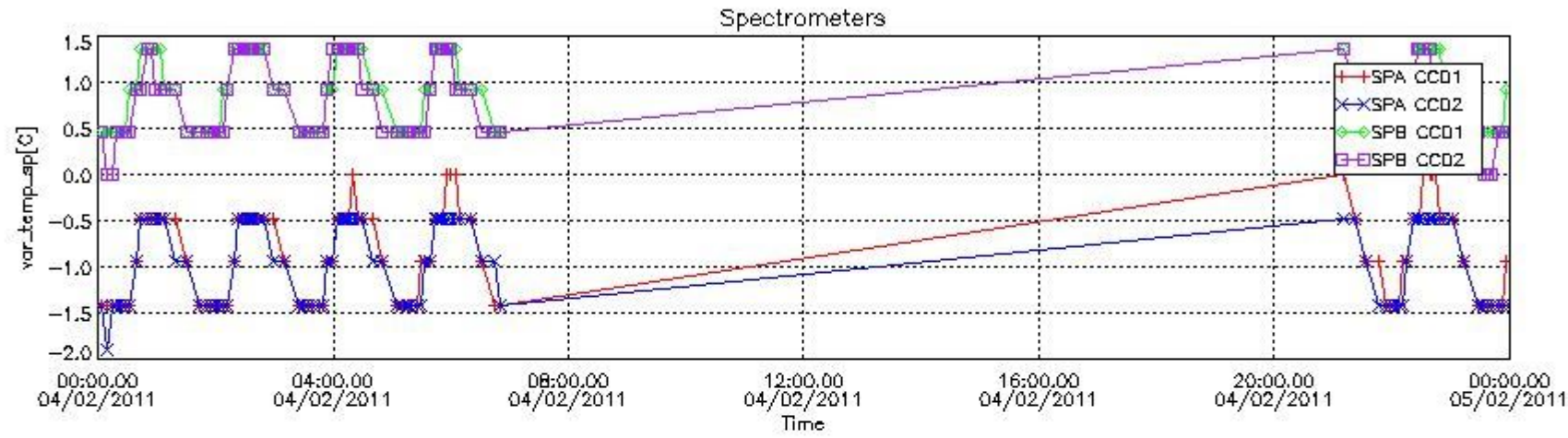
### 2.4 Summary of processed GOM\_TRA\_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20110204_000414_000000443099_00131_46697_8897.N1	04-FEB-2011 00:04:14	Bright	43.500	36	50Alp UMa	1.8000	6300.0	87	46697	No
2	GOM_TRA_1PNPDE20110204_001001_000000383099_00131_46697_8898.N1	04-FEB-2011 00:10:01	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	46697	No
3	GOM_TRA_1PNPDE20110204_001446_000000413099_00131_46697_8899.N1	04-FEB-2011 00:14:46	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	46697	No
4	GOM_TRA_1PNPDE20110204_001803_000000393099_00131_46697_8900.N1	04-FEB-2011 00:18:03	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	46697	No
5	GOM_TRA_1PNPDE20110204_002449_000000443099_00131_46697_8901.N1	04-FEB-2011 00:24:49	Bright	44.000	133	40Zet Her	2.8070	6000.0	88	46697	No
6	GOM_TRA_1PNPDE20110204_002835_000000503099_00131_46697_8902.N1	04-FEB-2011 00:28:35	Bright	49.500	127	27Bet Her	2.7810	4700.0	99	46697	No
7	GOM_TRA_1PNPDE20110204_003216_000000563099_00131_46697_8903.N1	04-FEB-2011 00:32:16	Bright	56.000	126	60Bet Oph	2.7700	4250.0	112	46697	No
8	GOM_TRA_1PNPDE20110204_003852_000000463099_00131_46697_8913.N1	04-FEB-2011 00:38:52	Tw_i_and_stray	45.500	86	35Eta Oph	2.4300	10200.	91	46697	No

9	GOM_TRA_1PNPDE20110204_004319_000000543099_00131_46697_8914.N1	04-FEB-2011 00:43:19	Dark	54.000	16	21Alp Sco	1.0200	3000.0	108	46697	No
10	GOM_TRA_1PNPDE20110204_005127_000000463099_00132_46698_8915.N1	04-FEB-2011 00:51:27	Dark	45.500	109	Bet Lup	2.6770	26000.	91	46698	No
11	GOM_TRA_1PNPDE20110204_005407_000000553099_00132_46698_8916.N1	04-FEB-2011 00:54:07	Dark	54.500	4	Alp1Cen	-0.010000	5800.0	109	46698	No
12	GOM_TRA_1PNPDE20110204_005521_000000473099_00132_46698_8917.N1	04-FEB-2011 00:55:21	Dark	47.000	10	Bet Cen	0.61000	28000.	94	46698	No
13	GOM_TRA_1PNPDE20110204_005841_000000433099_00132_46698_8918.N1	04-FEB-2011 00:58:41	Dark	42.500	12	Alp1Cru	0.77500	30000.	85	46698	No
14	GOM_TRA_1PNPDE20110204_010426_000000473099_00132_46698_8919.N1	04-FEB-2011 01:04:26	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	46698	No
15	GOM_TRA_1PNPDE20110204_010839_000000453099_00132_46698_8920.N1	04-FEB-2011 01:08:39	Straylight	44.500	65	Lam Vel	2.2040	4400.0	89	46698	No
16	GOM_TRA_1PNPDE20110204_011920_000000593099_00132_46698_8921.N1	04-FEB-2011 01:19:20	Straylight	58.500	48	30Alp Hya	1.9770	4100.0	117	46698	No
17	GOM_TRA_1PNPDE20110204_013006_000000423099_00132_46698_8922.N1	04-FEB-2011 01:30:06	Bright	42.000	17	78Bet Gem	1.1610	4500.0	84	46698	No
18	GOM_TRA_1PNPDE20110204_014428_000000463099_00132_46698_8923.N1	04-FEB-2011 01:44:28	Bright	46.000	36	50Alp UMa	1.8000	6300.0	92	46698	No
19	GOM_TRA_1PNPDE20110204_015014_000000373099_00132_46698_8924.N1	04-FEB-2011 01:50:14	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	46698	No
20	GOM_TRA_1PNPDE20110204_015459_000000413099_00132_46698_8925.N1	04-FEB-2011 01:54:59	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	46698	No
21	GOM_TRA_1PNPDE20110204_015817_000000493099_00132_46698_8926.N1	04-FEB-2011 01:58:17	Bright	49.000	130	23Bet Dra	2.7990	5800.0	98	46698	No
22	GOM_TRA_1PNPDE20110204_020503_000000453099_00132_46698_8927.N1	04-FEB-2011 02:05:03	Bright	44.500	133	40Zet Her	2.8070	6000.0	89	46698	No
23	GOM_TRA_1PNPDE20110204_020850_000000493099_00132_46698_8928.N1	04-FEB-2011 02:08:50	Bright	48.500	127	27Bet Her	2.7810	4700.0	97	46698	No
24	GOM_TRA_1PNPDE20110204_021230_000000563099_00132_46698_8929.N1	04-FEB-2011 02:12:30	Bright	55.500	126	60Bet Oph	2.7700	4250.0	111	46698	No
25	GOM_TRA_1PNPDE20110204_021907_000000473099_00132_46698_8934.N1	04-FEB-2011 02:19:07	Tw_i_and_stray	47.000	86	35Eta Oph	2.4300	10200.	94	46698	No
26	GOM_TRA_1PNPDE20110204_022334_000000523099_00132_46698_8935.N1	04-FEB-2011 02:23:34	Dark	51.500	16	21Alp Sco	1.0200	3000.0	103	46698	No
27	GOM_TRA_1PNPDE20110204_022925_000000463099_00132_46698_8936.N1	04-FEB-2011 02:29:25	Dark	46.000	131	Gam Lup	2.8000	26000.	92	46698	No
28	GOM_TRA_1PNPDE20110204_023143_000000483099_00133_46699_8937.N1	04-FEB-2011 02:31:43	Dark	47.500	109	Bet Lup	2.6770	26000.	95	46699	No
29	GOM_TRA_1PNPDE20110204_023422_000000443099_00133_46699_8938.N1	04-FEB-2011 02:34:22	Dark	43.500	4	Alp1Cen	-0.010000	5800.0	87	46699	No
30	GOM_TRA_1PNPDE20110204_023535_000000433099_00133_46699_8939.N1	04-FEB-2011 02:35:35	Dark	42.500	10	Bet Cen	0.61000	28000.	85	46699	No
31	GOM_TRA_1PNPDE20110204_023855_000000503099_00133_46699_8940.N1	04-FEB-2011 02:38:55	Dark	49.500	12	Alp1Cru	0.77500	30000.	99	46699	No
32	GOM_TRA_1PNPDE20110204_024440_000000483099_00133_46699_8941.N1	04-FEB-2011 02:44:40	Dark	48.000	113	Mu Vel	2.6920	5000.0	96	46699	No
33	GOM_TRA_1PNPDE20110204_024853_000000463099_00133_46699_8942.N1	04-FEB-2011 02:48:53	Straylight	45.500	65	Lam Vel	2.2040	4400.0	91	46699	No
34	GOM_TRA_1PNPDE20110204_025934_000000563099_00133_46699_8943.N1	04-FEB-2011 02:59:34	Straylight	55.500	48	30Alp Hya	1.9770	4100.0	111	46699	No
35	GOM_TRA_1PNPDE20110204_031020_000000413099_00133_46699_8944.N1	04-FEB-2011 03:10:20	Bright	41.000	17	78Bet Gem	1.1610	4500.0	82	46699	No
36	GOM_TRA_1PNPDE20110204_032441_000000463099_00133_46699_8945.N1	04-FEB-2011 03:24:41	Bright	45.500	36	50Alp UMa	1.8000	6300.0	91	46699	No
37	GOM_TRA_1PNPDE20110204_033028_000000393099_00133_46699_8959.N1	04-FEB-2011 03:30:28	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	46699	No
38	GOM_TRA_1PNPDE20110204_033513_000000413099_00133_46699_8960.N1	04-FEB-2011 03:35:13	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	46699	No
39	GOM_TRA_1PNPDE20110204_033831_000000563099_00133_46699_8961.N1	04-FEB-2011 03:38:31	Bright	56.000	130	23Bet Dra	2.7990	5800.0	112	46699	No
40	GOM_TRA_1PNPDE20110204_034517_000000443099_00133_46699_8962.N1	04-FEB-2011 03:45:17	Bright	44.000	133	40Zet Her	2.8070	6000.0	88	46699	No
41	GOM_TRA_1PNPDE20110204_034904_000000513099_00133_46699_8963.N1	04-FEB-2011 03:49:04	Bright	50.500	127	27Bet Her	2.7810	4700.0	101	46699	No
42	GOM_TRA_1PNPDE20110204_035245_000000393099_00133_46699_8964.N1	04-FEB-2011 03:52:45	Bright	38.500	126	60Bet Oph	2.7700	4250.0	77	46699	No
43	GOM_TRA_1PNPDE20110204_035921_000000483099_00133_46699_8965.N1	04-FEB-2011 03:59:21	Tw_i_and_stray	47.500	86	35Eta Oph	2.4300	10200.	95	46699	No
44	GOM_TRA_1PNPDE20110204_040349_000000623099_00133_46699_8966.N1	04-FEB-2011 04:03:49	Dark	61.500	16	21Alp Sco	1.0200	3000.0	123	46699	No
45	GOM_TRA_1PNPDE20110204_040522_000000483099_00133_46699_8967.N1	04-FEB-2011 04:05:22	Dark	47.500	158	6Pi Sco	2.9060	28000.	95	46699	No
46	GOM_TRA_1PNPDE20110204_040940_000000453099_00133_46699_8968.N1	04-FEB-2011 04:09:40	Dark	45.000	131	Gam Lup	2.8000	26000.	90	46699	No
47	GOM_TRA_1PNPDE20110204_041158_000000463099_00134_46700_8969.N1	04-FEB-2011 04:11:58	Dark	45.500	109	Bet Lup	2.6770	26000.	91	46700	No
48	GOM_TRA_1PNPDE20110204_041436_000000533099_00134_46700_8970.N1	04-FEB-2011 04:14:36	Dark	53.000	4	Alp1Cen	-0.010000	5800.0	106	46700	No
49	GOM_TRA_1PNPDE20110204_041550_000000443099_00134_46700_8971.N1	04-FEB-2011 04:15:50	Dark	43.500	10	Bet Cen	0.61000	28000.	87	46700	No
50	GOM_TRA_1PNPDE20110204_041910_000000523099_00134_46700_8972.N1	04-FEB-2011 04:19:10	Dark	52.000	12	Alp1Cru	0.77500	30000.	104	46700	No
51	GOM_TRA_1PNPDE20110204_042455_000000443099_00134_46700_8973.N1	04-FEB-2011 04:24:55	Dark	43.500	113	Mu Vel	2.6920	5000.0	87	46700	No
52	GOM_TRA_1PNPDE20110204_042908_000000473099_00134_46700_8974.N1	04-FEB-2011 04:29:08	Straylight	46.500	65	Lam Vel	2.2040	4400.0	93	46700	No
53	GOM_TRA_1PNPDE20110204_043948_000000583099_00134_46700_8975.N1	04-FEB-2011 04:39:48	Straylight	57.500	48	30Alp Hya	1.9770	4100.0	115	46700	No
54	GOM_TRA_1PNPDE20110204_045034_000000413099_00134_46700_8976.N1	04-FEB-2011 04:50:34	Bright	40.500	17	78Bet Gem	1.1610	4500.0	81	46700	No
55	GOM_TRA_1PNPDE20110204_050455_000000483099_00134_46700_8977.N1	04-FEB-2011 05:04:55	Bright	47.500	36	50Alp UMa	1.8000	6300.0	95	46700	No
56	GOM_TRA_1PNPDE20110204_051042_000000423099_00134_46700_8978.N1	04-FEB-2011 05:10:42	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	46700	No
57	GOM_TRA_1PNPDE20110204_051527_000000413099_00134_46700_8982.N1	04-FEB-2011 05:15:27	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	46700	No
58	GOM_TRA_1PNPDE20110204_051845_000000403099_00134_46700_8983.N1	04-FEB-2011 05:18:45	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	46700	No
59	GOM_TRA_1PNPDE20110204_052532_000000653099_00134_46700_8984.N1	04-FEB-2011 05:25:32	Bright	65.000	133	40Zet Her	2.8070	6000.0	130	46700	No
60	GOM_TRA_1PNPDE20110204_052919_000000703099_00134_46700_8985.N1	04-FEB-2011 05:29:19	Bright	70.000	127	27Bet Her	2.7810	4700.0	140	46700	No
61	GOM_TRA_1PNPDE20110204_053259_000000563099_00134_46700_8986.N1	04-FEB-2011 05:32:59	Bright	56.000	126	60Bet Oph	2.7700	4250.0	112	46700	No
62	GOM_TRA_1PNPDE20110204_053936_000000463099_00134_46700_8987.N1	04-FEB-2011 05:39:36	Tw_i_and_stray	45.500	86	35Eta Oph	2.4300	10200.	91	46700	No
63	GOM_TRA_1PNPDE20110204_054404_000000623099_00134_46700_8988.N1	04-FEB-2011 05:44:04	Dark	62.000	16	21Alp Sco	1.0200	3000.0	124	46700	No
64	GOM_TRA_1PNPDE20110204_054537_000000543099_00134_46700_8989.N1	04-FEB-2011 05:45:37	Dark	53.500	158	6Pi Sco	2.9060	28000.	107	46700	No
65	GOM_TRA_1PNPDE20110204_054955_000000443099_00134_46700_8990.N1	04-FEB-2011 05:49:55	Dark	44.000	131	Gam Lup	2.8000	26000.	88	46700	No
66	GOM_TRA_1PNPDE20110204_055213_000000443099_00135_46701_8991.N1	04-FEB-2011 05:52:13	Dark	44.000	109	Bet Lup	2.6770	26000.	88	46701	No
67	GOM_TRA_1PNPDE20110204_055451_000000563099_00135_46701_8992.N1	04-FEB-2011 05:54:51	Dark	56.000	4	Alp1Cen	-0.010000	5800.0	112	46701	No

68	GOM_TRA_1PNPDE20110204_055605_000000413099_00135_46701_8993.N1	04-FEB-2011 05:56:05	Dark	41.000	10	Bet Cen	0.61000	28000.	82	46701	No
69	GOM_TRA_1PNPDE20110204_055925_000000443099_00135_46701_8994.N1	04-FEB-2011 05:59:25	Dark	44.000	12	Alp1Cru	0.77500	30000.	88	46701	No
70	GOM_TRA_1PNPDE20110204_060510_000000433099_00135_46701_8995.N1	04-FEB-2011 06:05:10	Dark	43.000	113	Mu Vel	2.6920	5000.0	86	46701	No
71	GOM_TRA_1PNPDE20110204_060922_000000463099_00135_46701_8996.N1	04-FEB-2011 06:09:22	Straylight	45.500	65	Lam Vel	2.2040	4400.0	91	46701	No
72	GOM_TRA_1PNPDE20110204_062002_000000563099_00135_46701_8997.N1	04-FEB-2011 06:20:02	Straylight	55.500	48	30Alp Hya	1.9770	4100.0	111	46701	No
73	GOM_TRA_1PNPDE20110204_063048_000000403099_00135_46701_8998.N1	04-FEB-2011 06:30:48	Bright	39.500	17	78Bet Gem	1.1610	4500.0	79	46701	No
74	GOM_TRA_1PNPDE20110204_064508_000000463099_00135_46701_8999.N1	04-FEB-2011 06:45:08	Bright	45.500	36	50Alp UMa	1.8000	6300.0	91	46701	No
75	GOM_TRA_1PNPDE20110204_065056_000000383099_00135_46701_9000.N1	04-FEB-2011 06:50:56	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	46701	No
76	GOM_TRA_1PNPDE20110204_211131_000000453099_00144_46710_9095.N1	04-FEB-2011 21:11:31	Straylight	45.000	65	Lam Vel	2.2040	4400.0	90	46710	No
77	GOM_TRA_1PNPDE20110204_212208_000000533099_00144_46710_9096.N1	04-FEB-2011 21:22:08	Straylight	53.000	48	30Alp Hya	1.9770	4100.0	106	46710	No
78	GOM_TRA_1PNPDE20110204_213253_000000403099_00144_46710_9097.N1	04-FEB-2011 21:32:53	Bright	40.000	17	78Bet Gem	1.1610	4500.0	80	46710	No
79	GOM_TRA_1PNPDE20110204_214708_000000473099_00144_46710_9098.N1	04-FEB-2011 21:47:08	Bright	46.500	36	50Alp UMa	1.8000	6300.0	93	46710	No
80	GOM_TRA_1PNPDE20110204_215259_000000413099_00144_46710_9099.N1	04-FEB-2011 21:52:59	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	46710	No
81	GOM_TRA_1PNPDE20110204_215745_000000423099_00144_46710_9100.N1	04-FEB-2011 21:57:45	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	46710	No
82	GOM_TRA_1PNPDE20110204_220105_000000393099_00144_46710_9101.N1	04-FEB-2011 22:01:05	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	46710	No
83	GOM_TRA_1PNPDE20110204_220753_000000663099_00144_46710_9102.N1	04-FEB-2011 22:07:53	Bright	66.000	133	40Zet Her	2.8070	6000.0	132	46710	No
84	GOM_TRA_1PNPDE20110204_221142_000000503099_00144_46710_9103.N1	04-FEB-2011 22:11:42	Bright	49.500	127	27Bet Her	2.7810	4700.0	99	46710	No
85	GOM_TRA_1PNPDE20110204_221523_000000563099_00144_46710_9104.N1	04-FEB-2011 22:15:23	Bright	55.500	126	60Bet Oph	2.7700	4250.0	111	46710	No
86	GOM_TRA_1PNPDE20110204_222202_000000453099_00144_46710_9122.N1	04-FEB-2011 22:22:02	Twilight_stray	45.000	86	35Eta Oph	2.4300	10200.	90	46710	No
87	GOM_TRA_1PNPDE20110204_222632_000000573099_00144_46710_9123.N1	04-FEB-2011 22:26:32	Dark	57.000	16	21Alp Sco	1.0200	3000.0	114	46710	No
88	GOM_TRA_1PNPDE20110204_222807_000000473099_00144_46710_9124.N1	04-FEB-2011 22:28:07	Dark	47.000	158	6Pi Sco	2.9060	28000.	94	46710	No
89	GOM_TRA_1PNPDE20110204_223223_000000453099_00144_46710_9125.N1	04-FEB-2011 22:32:23	Dark	45.000	131	Gam Lup	2.8000	26000.	90	46710	No
90	GOM_TRA_1PNPDE20110204_223831_000000443099_00145_46711_9126.N1	04-FEB-2011 22:38:31	Dark	43.500	10	Bet Cen	0.61000	28000.	87	46711	No
91	GOM_TRA_1PNPDE20110204_224150_000000413099_00145_46711_9127.N1	04-FEB-2011 22:41:50	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	46711	No
92	GOM_TRA_1PNPDE20110204_224404_000000473099_00145_46711_9128.N1	04-FEB-2011 22:44:04	Dark	46.500	99	Del Cen	2.5750	26000.	93	46711	No
93	GOM_TRA_1PNPDE20110204_224735_000000503099_00145_46711_9129.N1	04-FEB-2011 22:47:35	Dark	49.500	113	Mu Vel	2.6920	5000.0	99	46711	No
94	GOM_TRA_1PNPDE20110204_225146_000000443099_00145_46711_9130.N1	04-FEB-2011 22:51:46	Straylight	43.500	65	Lam Vel	2.2040	4400.0	87	46711	No
95	GOM_TRA_1PNPDE20110204_230222_000000573099_00145_46711_9131.N1	04-FEB-2011 23:02:22	Straylight	56.500	48	30Alp Hya	1.9770	4100.0	113	46711	No
96	GOM_TRA_1PNPDE20110204_231307_000000403099_00145_46711_9132.N1	04-FEB-2011 23:13:07	Bright	40.000	17	78Bet Gem	1.1610	4500.0	80	46711	No
97	GOM_TRA_1PNPDE20110204_232721_000000473099_00145_46711_9133.N1	04-FEB-2011 23:27:21	Bright	46.500	36	50Alp UMa	1.8000	6300.0	93	46711	No
98	GOM_TRA_1PNPDE20110204_233313_000000363099_00145_46711_9134.N1	04-FEB-2011 23:33:13	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	46711	No
99	GOM_TRA_1PNPDE20110204_233759_000000373099_00145_46711_9135.N1	04-FEB-2011 23:37:59	Bright	37.000	119	14Eta Dra	2.7270	4700.0	74	46711	No
100	GOM_TRA_1PNPDE20110204_234119_000000563099_00145_46711_9136.N1	04-FEB-2011 23:41:19	Bright	56.000	130	23Bet Dra	2.7990	5800.0	112	46711	No
101	GOM_TRA_1PNPDE20110204_234807_000000663099_00145_46711_9137.N1	04-FEB-2011 23:48:07	Bright	66.000	133	40Zet Her	2.8070	6000.0	132	46711	No
102	GOM_TRA_1PNPDE20110204_235157_000000543099_00145_46711_9138.N1	04-FEB-2011 23:51:57	Bright	53.500	127	27Bet Her	2.7810	4700.0	107	46711	No
103	GOM_TRA_1PNPDE20110204_235537_000000563099_00145_46711_9139.N1	04-FEB-2011 23:55:37	Bright	56.000	126	60Bet Oph	2.7700	4250.0	112	46711	No

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



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

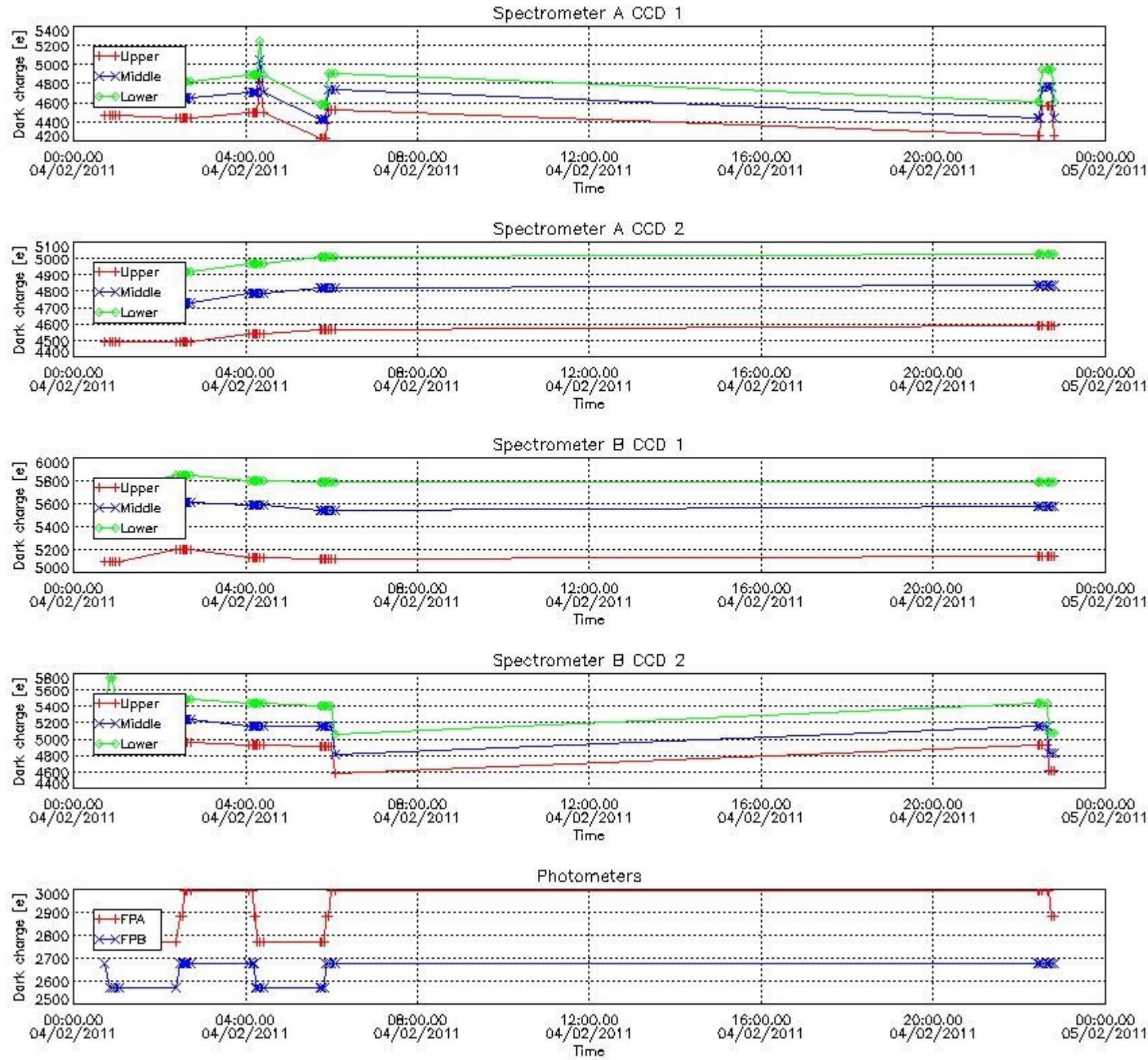
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20110204_211131_000000453099_00144_46710_9095.N1	DC map used
GOM_TRA_1PNPDE20110204_212208_000000533099_00144_46710_9096.N1	DC map used
GOM_TRA_1PNPDE20110204_213253_000000403099_00144_46710_9097.N1	DC map used
GOM_TRA_1PNPDE20110204_214708_000000473099_00144_46710_9098.N1	DC map used
GOM_TRA_1PNPDE20110204_215259_000000413099_00144_46710_9099.N1	DC map used
GOM_TRA_1PNPDE20110204_215745_000000423099_00144_46710_9100.N1	DC map used
GOM_TRA_1PNPDE20110204_220105_000000393099_00144_46710_9101.N1	DC map used
GOM_TRA_1PNPDE20110204_220753_000000663099_00144_46710_9102.N1	DC map used
GOM_TRA_1PNPDE20110204_221142_000000503099_00144_46710_9103.N1	DC map used
GOM_TRA_1PNPDE20110204_221523_000000563099_00144_46710_9104.N1	DC map used

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



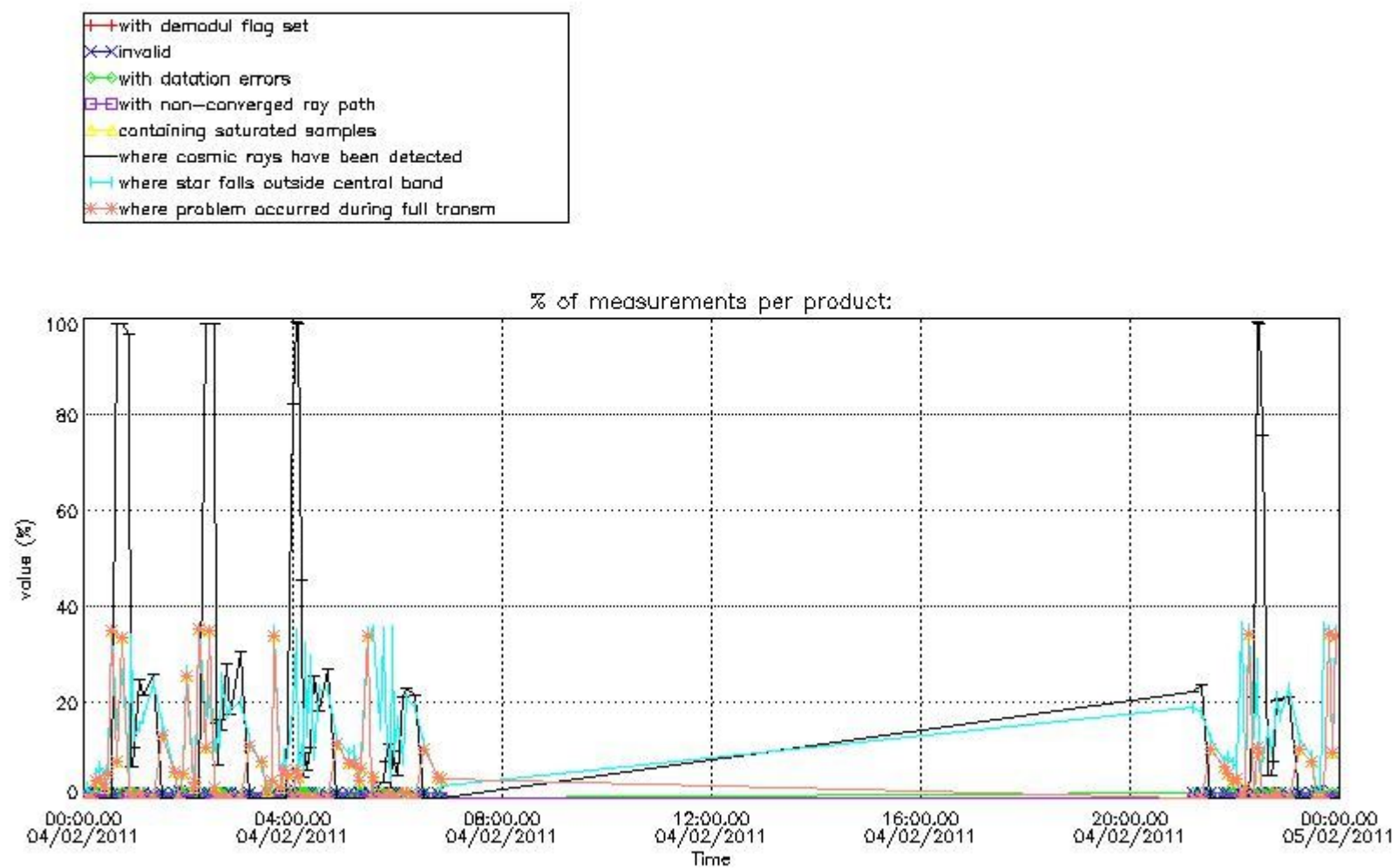
## 5. Demodulation flag and quality information monitoring

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.

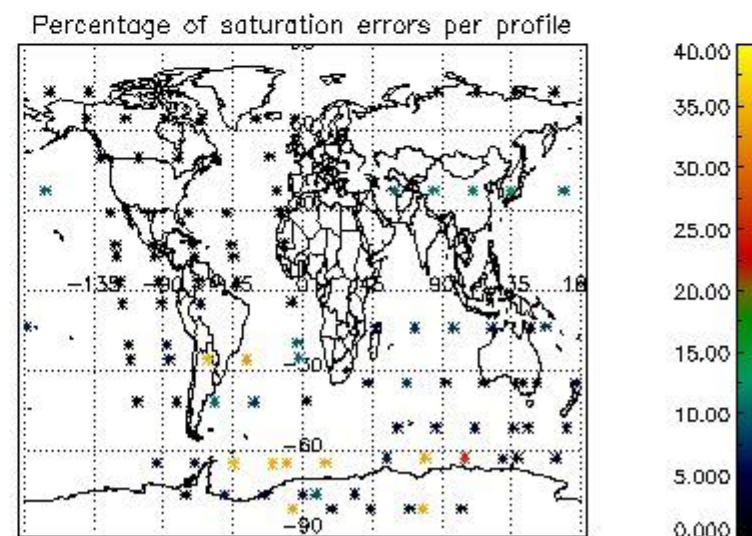
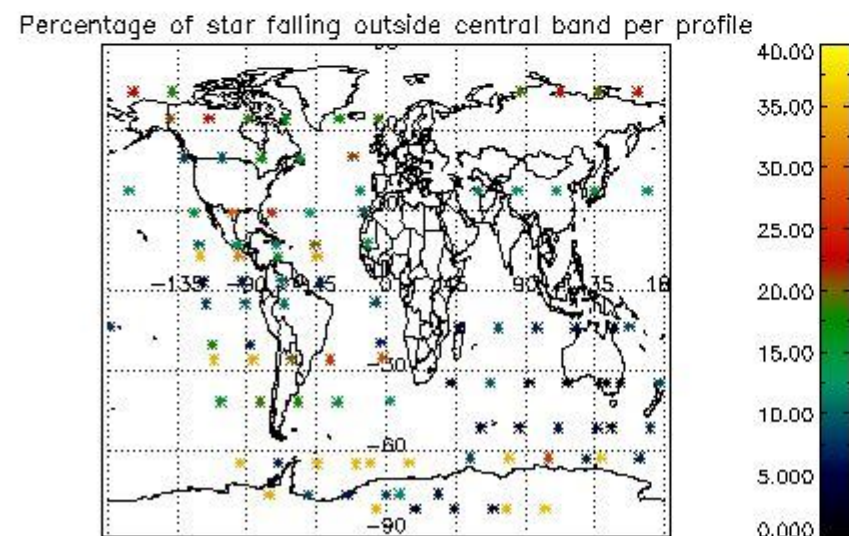
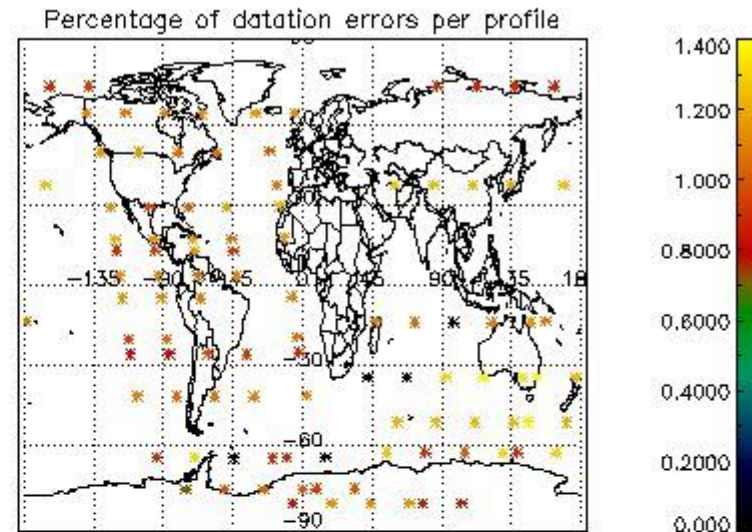
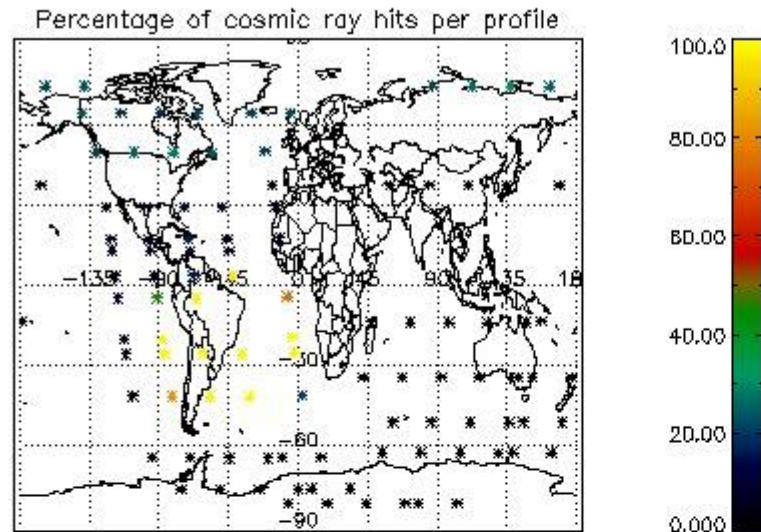
### 5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	41.7476 %
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)

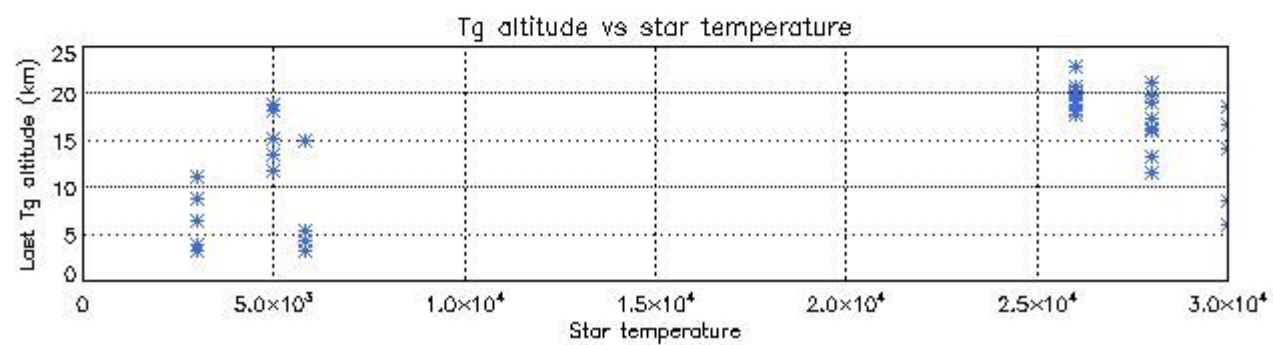
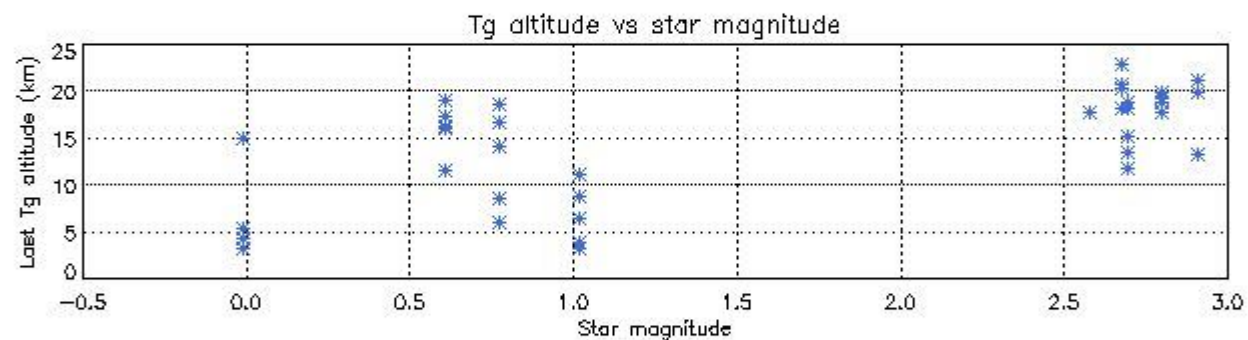
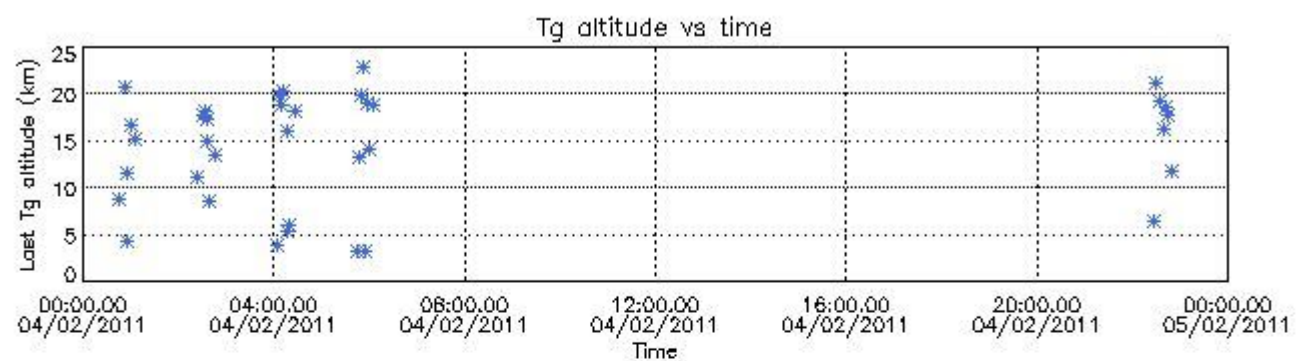
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.222	16.788	NaN
St. deviation:	5.8516	7.6072	NaN
Maximum:	22.784	29.343	NaN
Minimum:	3.1409	3.7021	NaN
Number of data:	36.000	50.000	NaN

### 6.2 Plot for DARK limb products

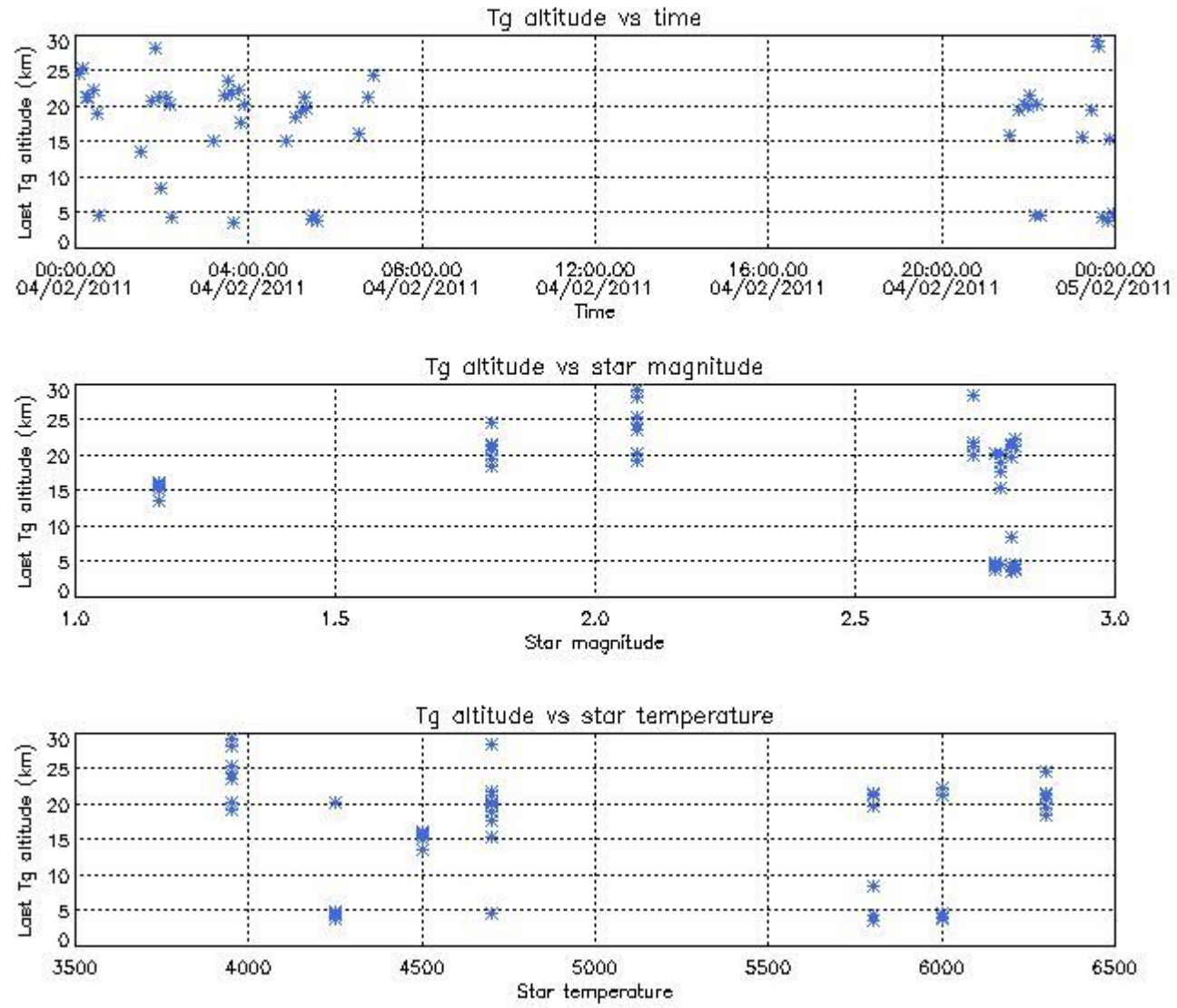


Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost

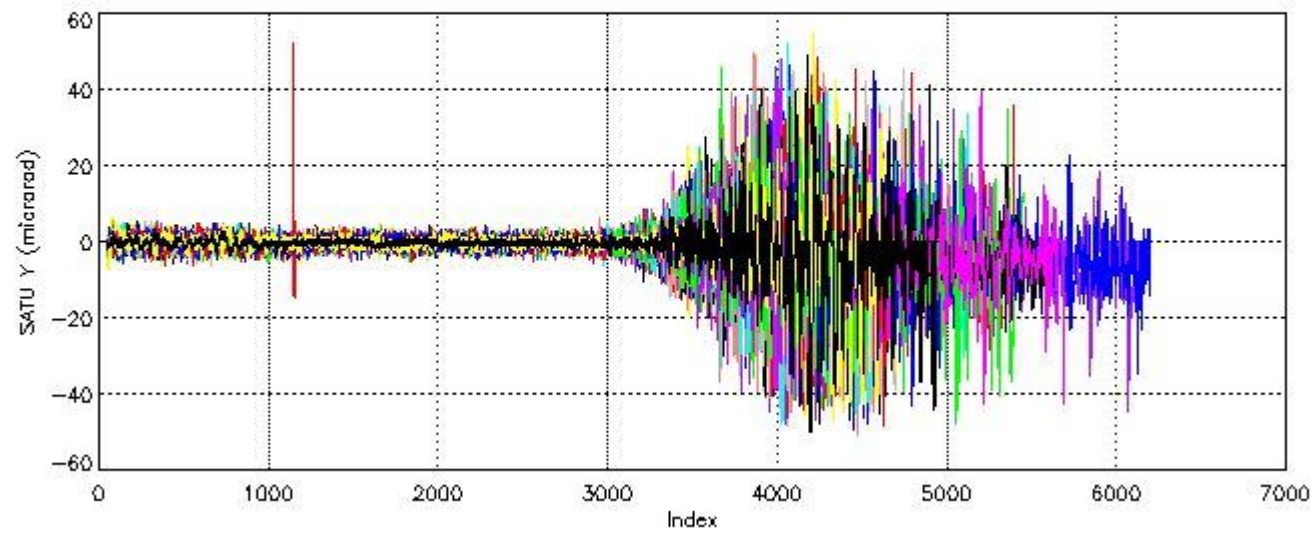
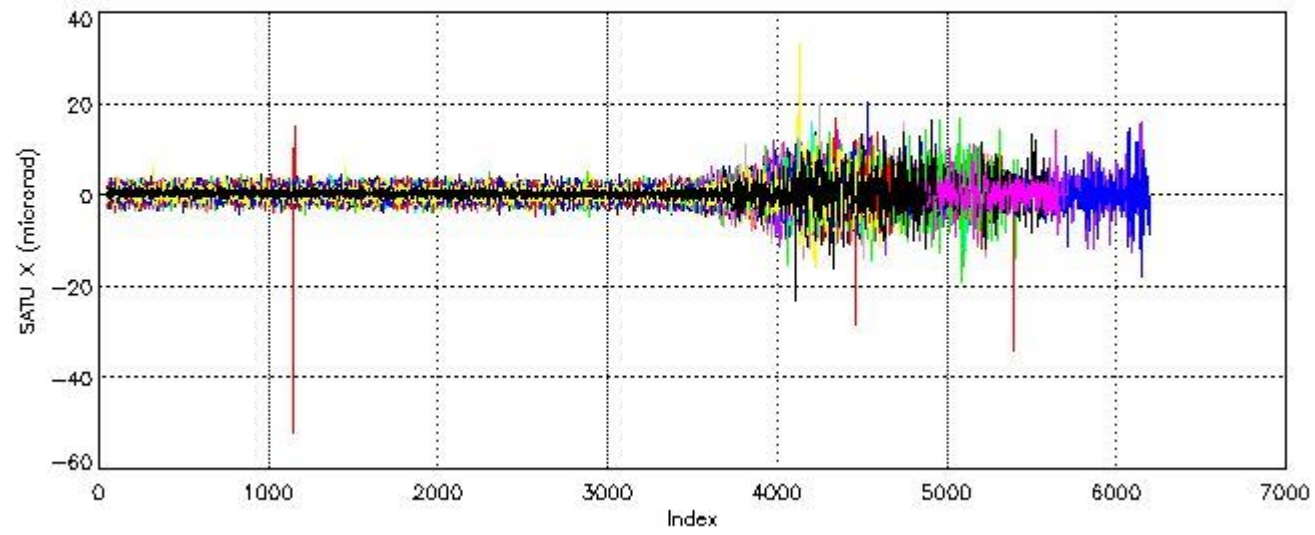


## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.20992	-0.39389	0.13827	-0.39741
St. deviation:	0.58272	1.1829	0.55486	0.93489
Maximum:	15.000	52.000	3.8000	4.3000
Minimum:	-52.000	-14.800	-3.3000	-5.8000

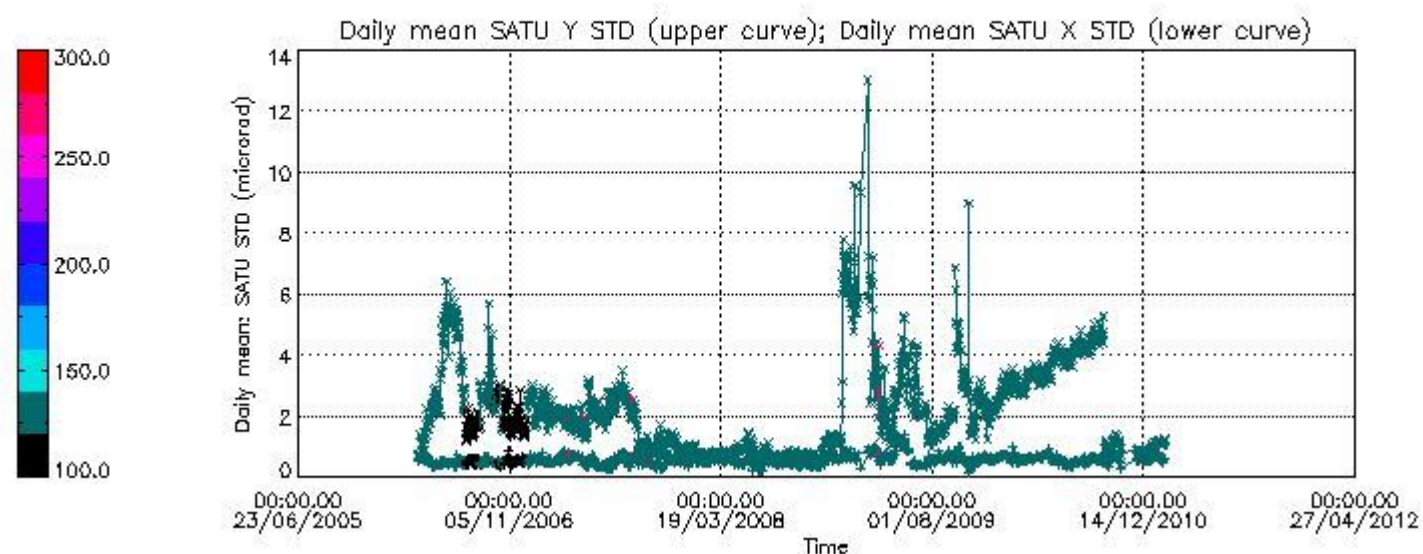
Number of data:	37900.	37900.	49700.	49700.
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### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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.

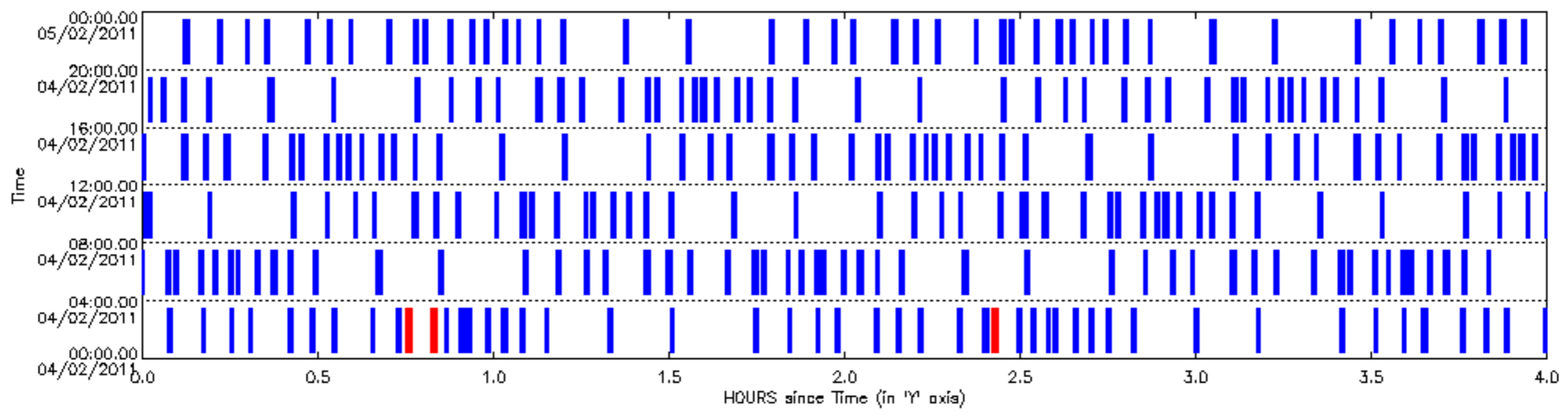
Upper curve: STD of SATU Y axis  
Lower curve: STD of SATU X axis

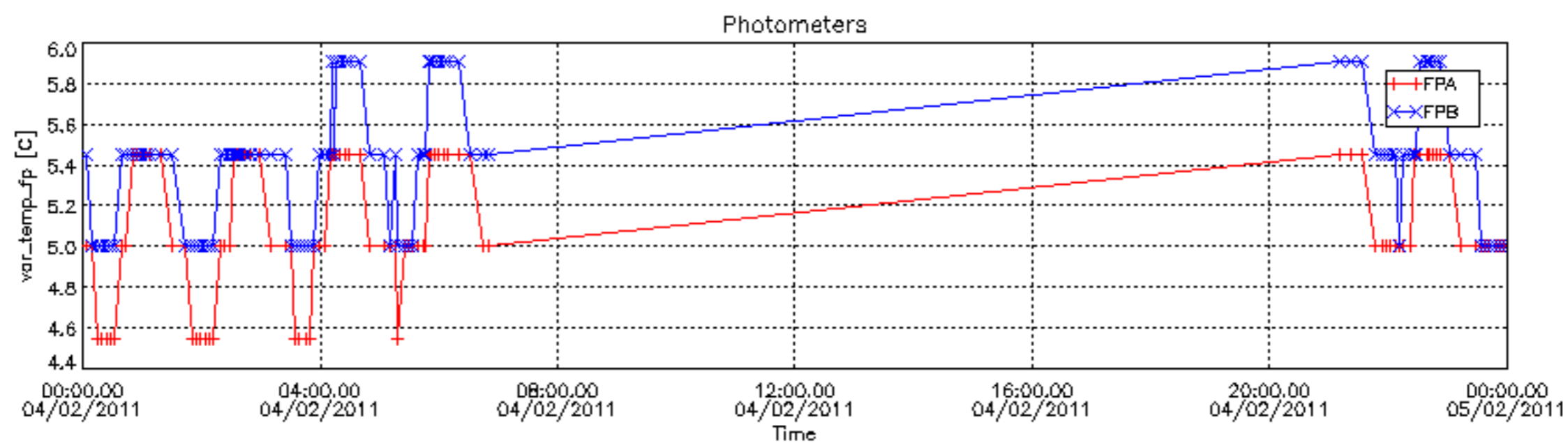
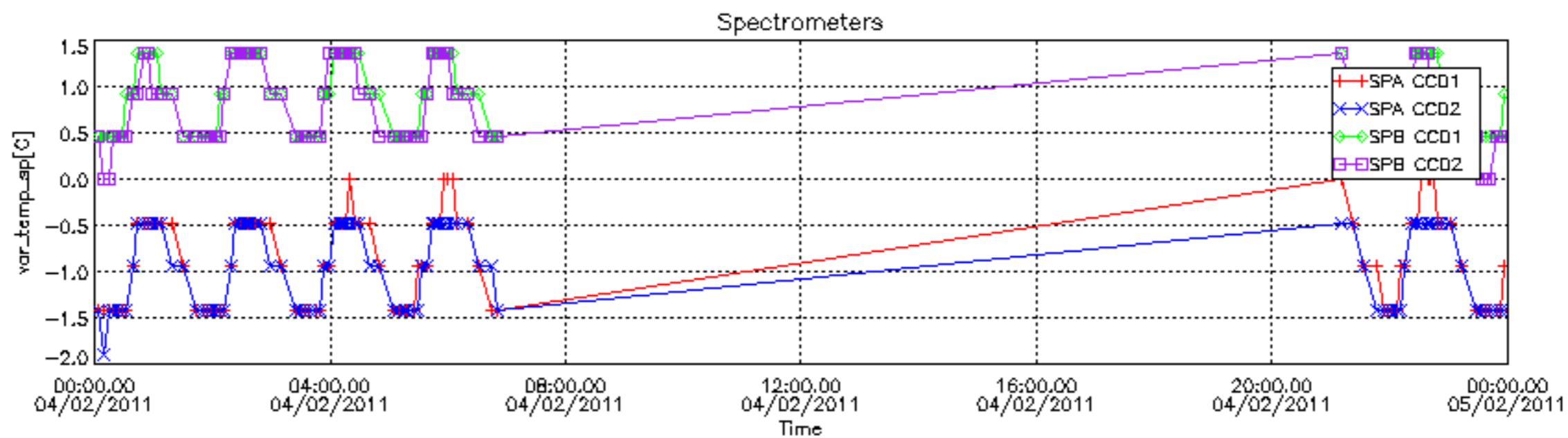


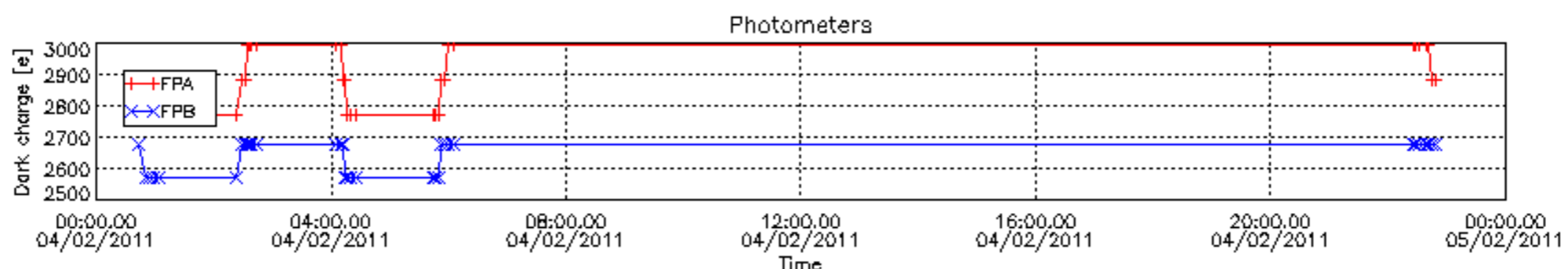
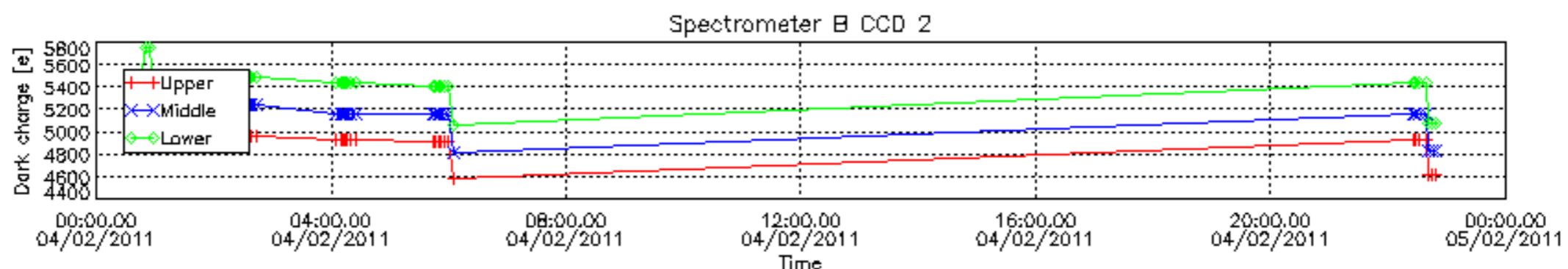
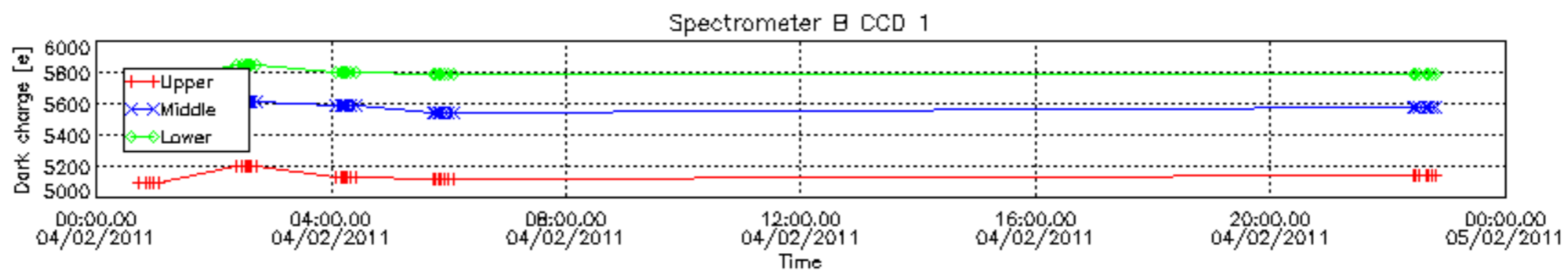
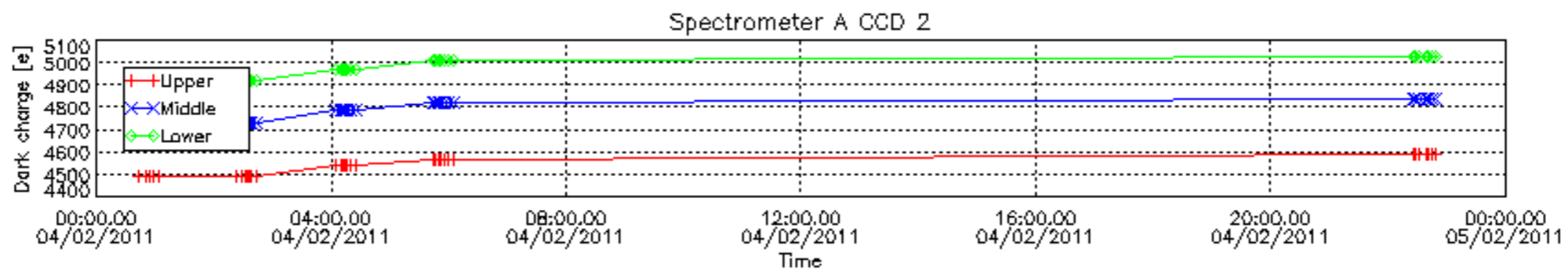
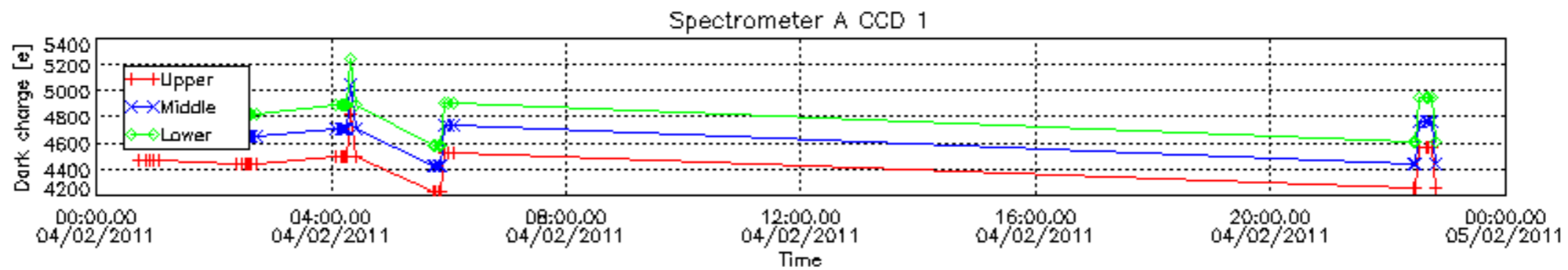
### 8. Auxiliary Data Files used for the production reported in section 2.4

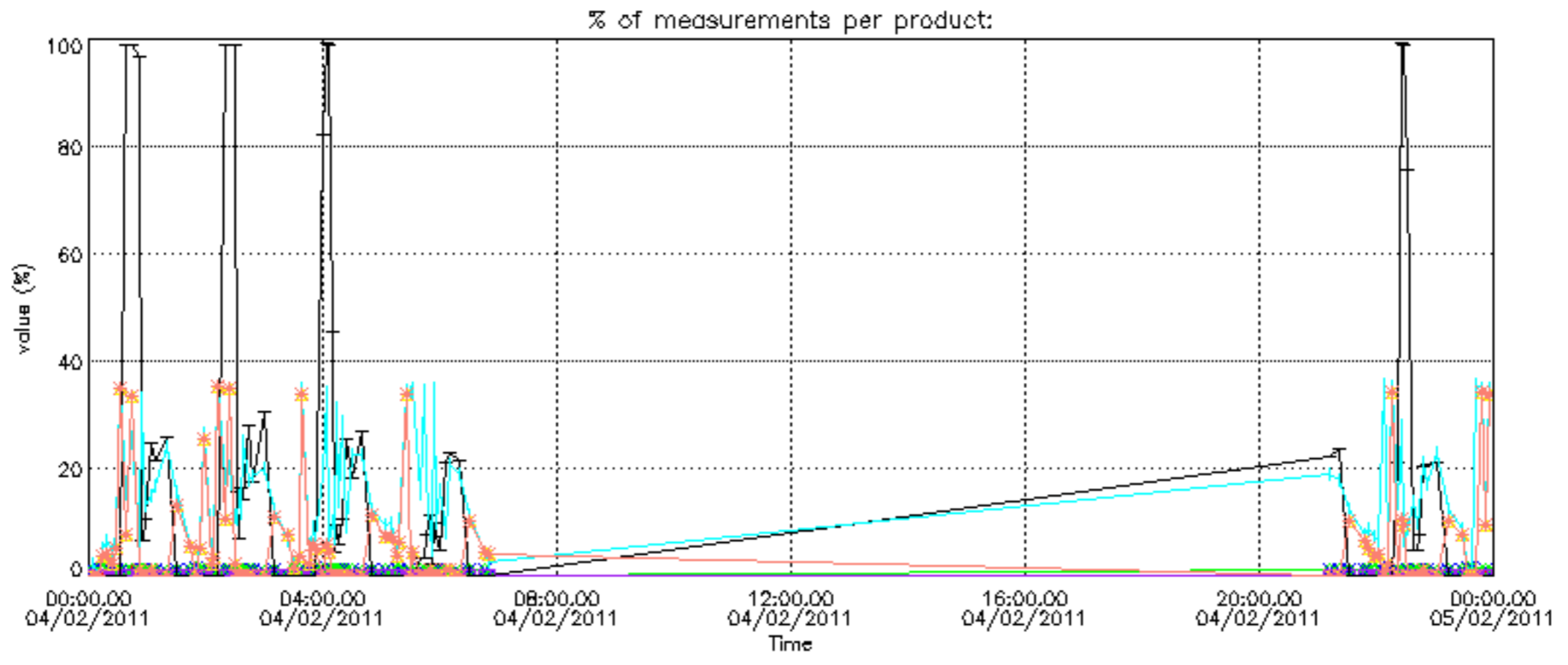
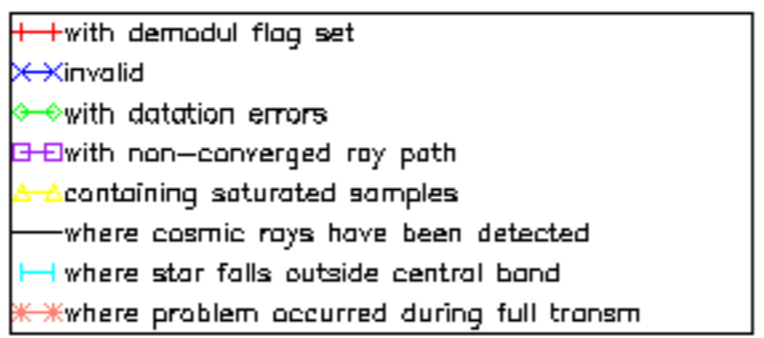
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	04-FEB-2011 00:04:14
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110201_113337_20110123_000000_20500101_000000	1	04-FEB-2011 00:04:14
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	04-FEB-2011 00:04:14
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	04-FEB-2011 00:04:14
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	04-FEB-2011 00:04:14
ECMWF_FILE	AUX_ECF_AXNECM20110203_052116_20110203_210000_20110204_090000	1	04-FEB-2011 00:04:14
ECMWF_FILE	AUX_ECF_AXNECM20110203_172113_20110204_030000_20110204_150000	37	04-FEB-2011 03:30:28
ECMWF_FILE	AUX_ECA_AXNECM20110204_052114_20110203_210000_20110204_090000	57	04-FEB-2011 05:15:27
ECMWF_FILE	AUX_ECF_AXNECM20110204_052115_20110204_210000_20110205_090000	76	04-FEB-2011 21:11:31
OPTIONAL_ECMWF_FILE	MISSING	1	04-FEB-2011 00:04:14
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110203_225734_000057383099_00130_46696_2456.N1	1	04-FEB-2011 00:04:14
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110204_003312_000057383099_00131_46697_2457.N1	8	04-FEB-2011 00:38:52
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110204_021409_000041443099_00132_46698_2458.N1	25	04-FEB-2011 02:19:07
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110204_032832_000057383099_00133_46699_2459.N1	37	04-FEB-2011 03:30:28
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110204_050929_000057383099_00134_46700_2460.N1	57	04-FEB-2011 05:15:27
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20110203_222112_20110203_194950_20110213_202327	76	04-FEB-2011 21:11:31
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110204_221456_000060573099_00144_46710_2462.N1	86	04-FEB-2011 22:22:02



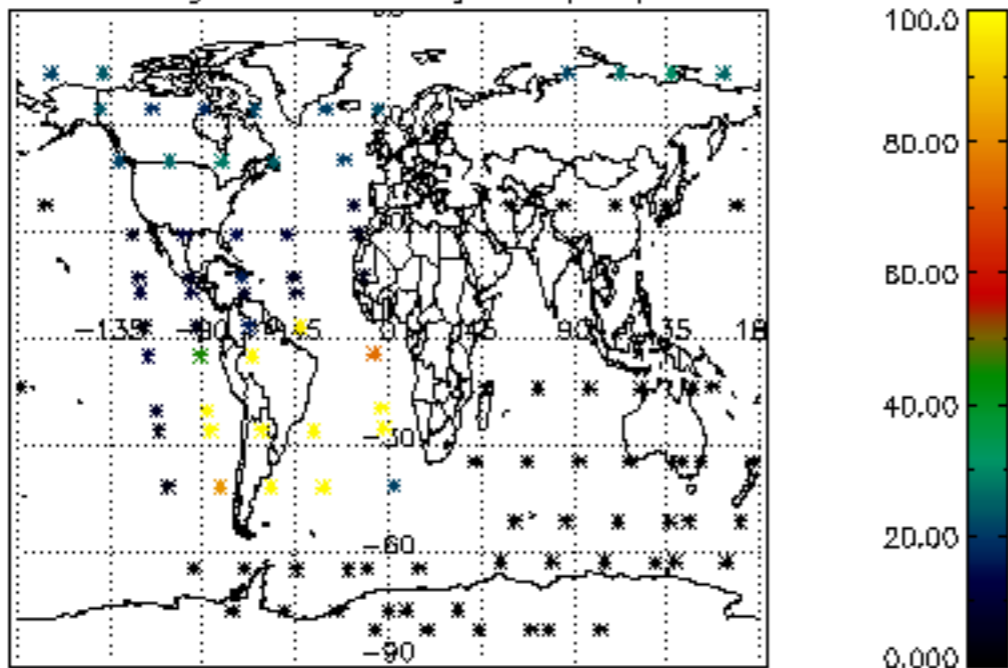




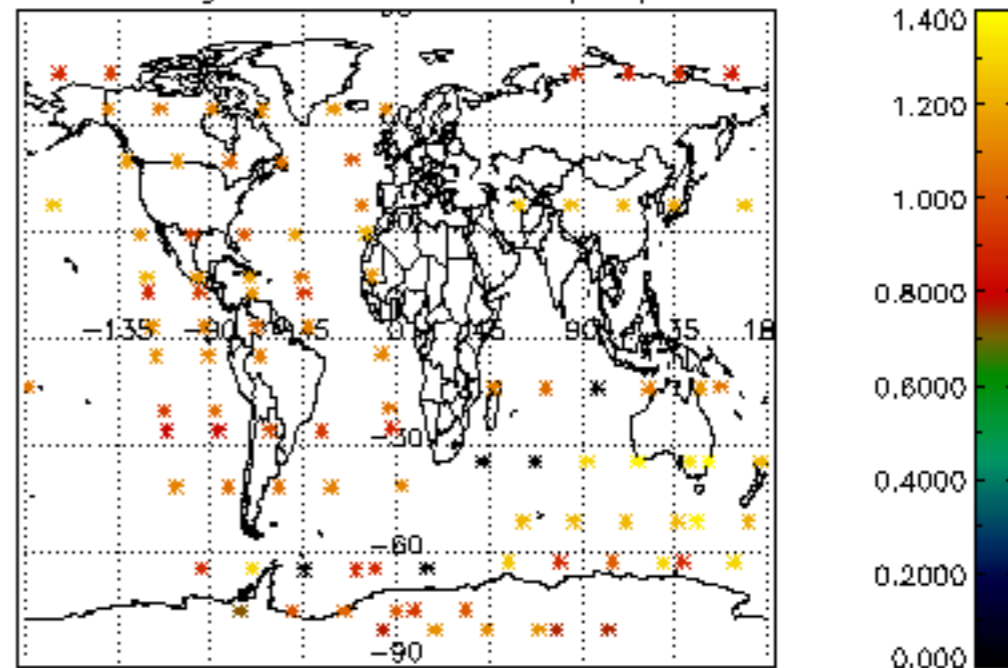




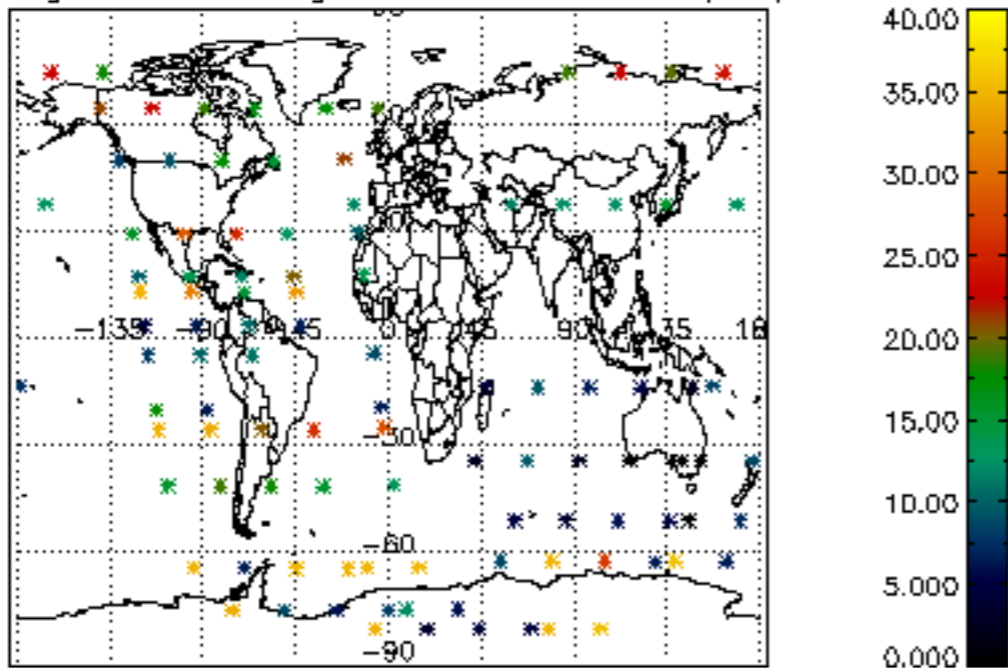
Percentage of cosmic ray hits per profile



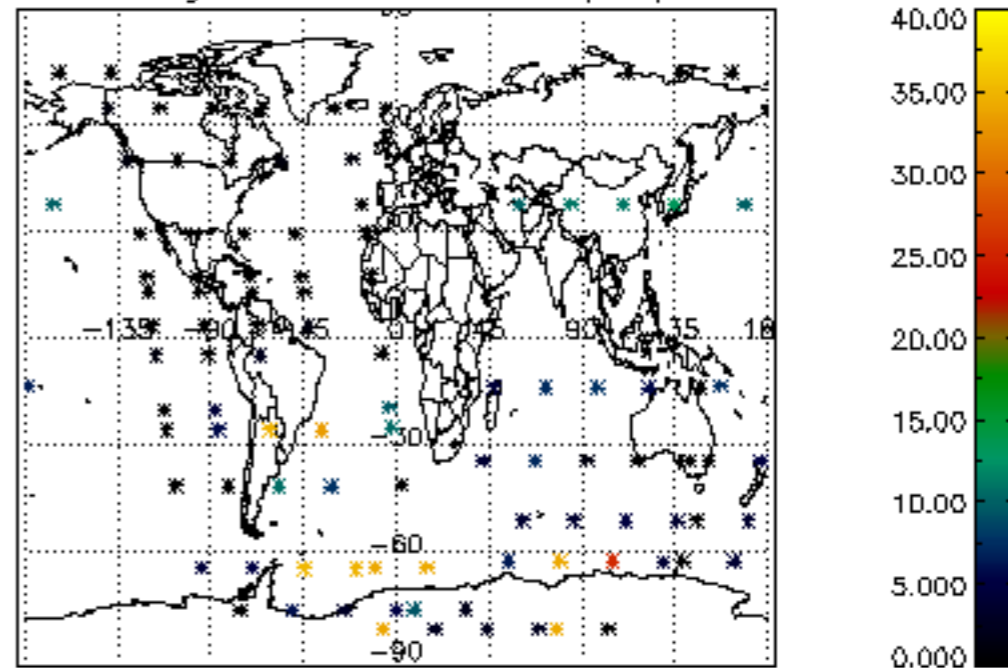
Percentage of datation errors per profile



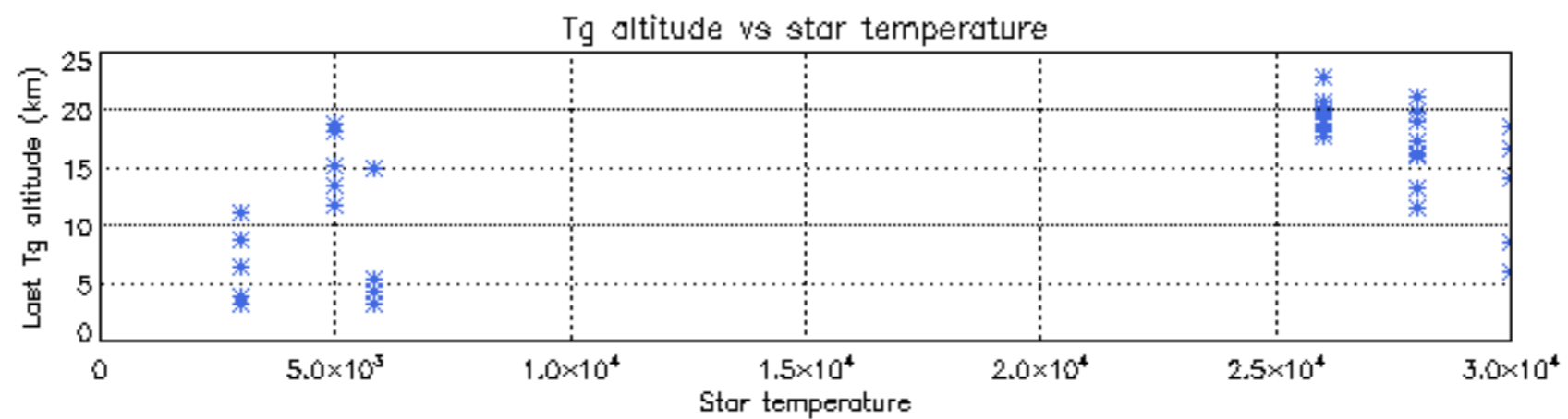
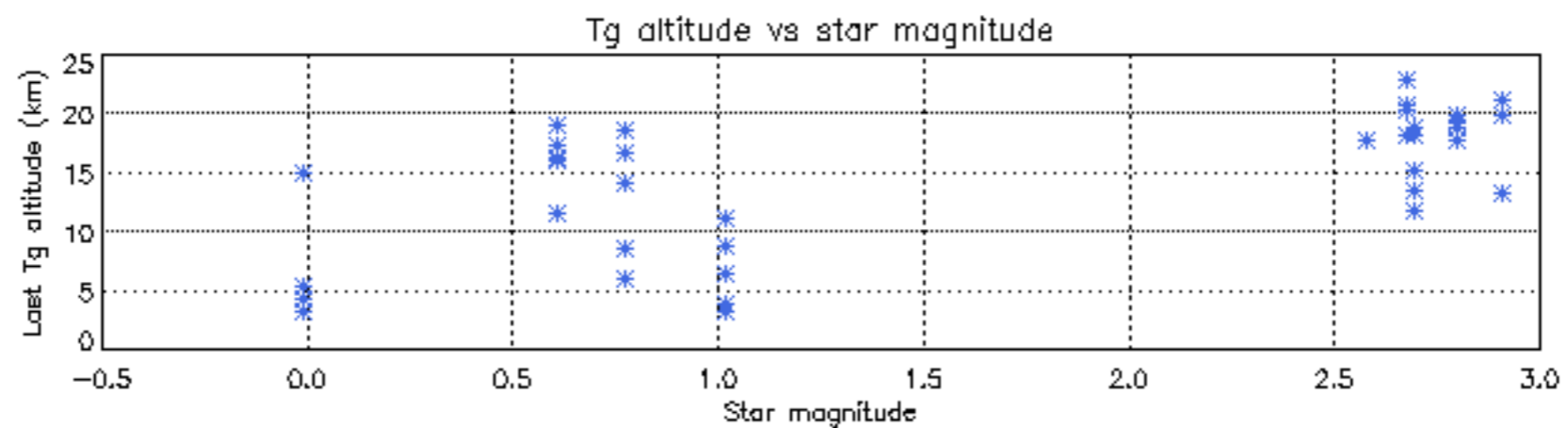
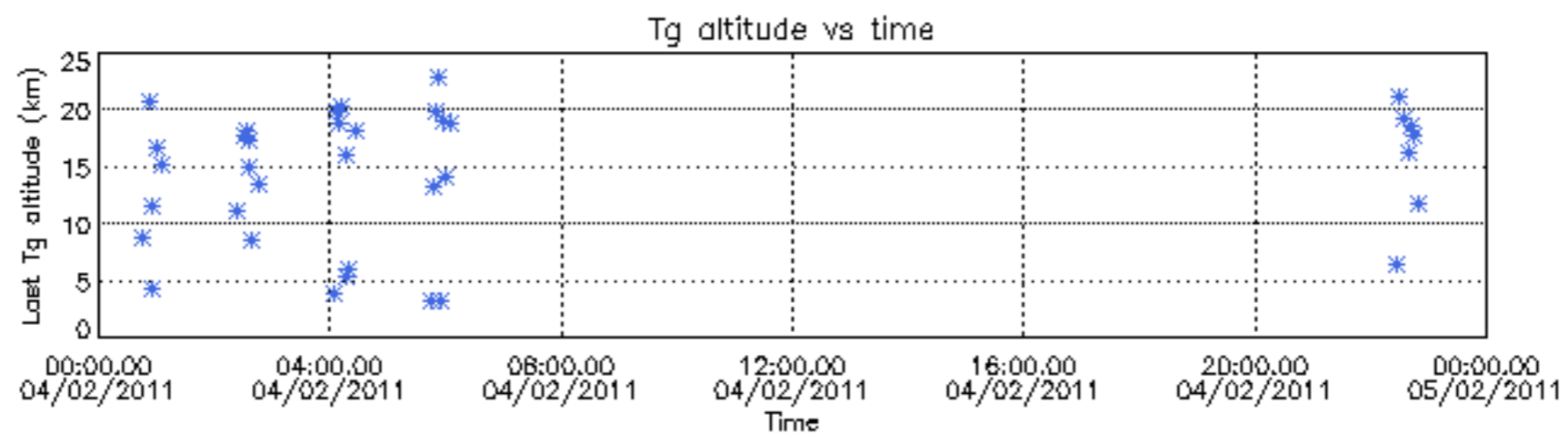
Percentage of star falling outside central band per profile



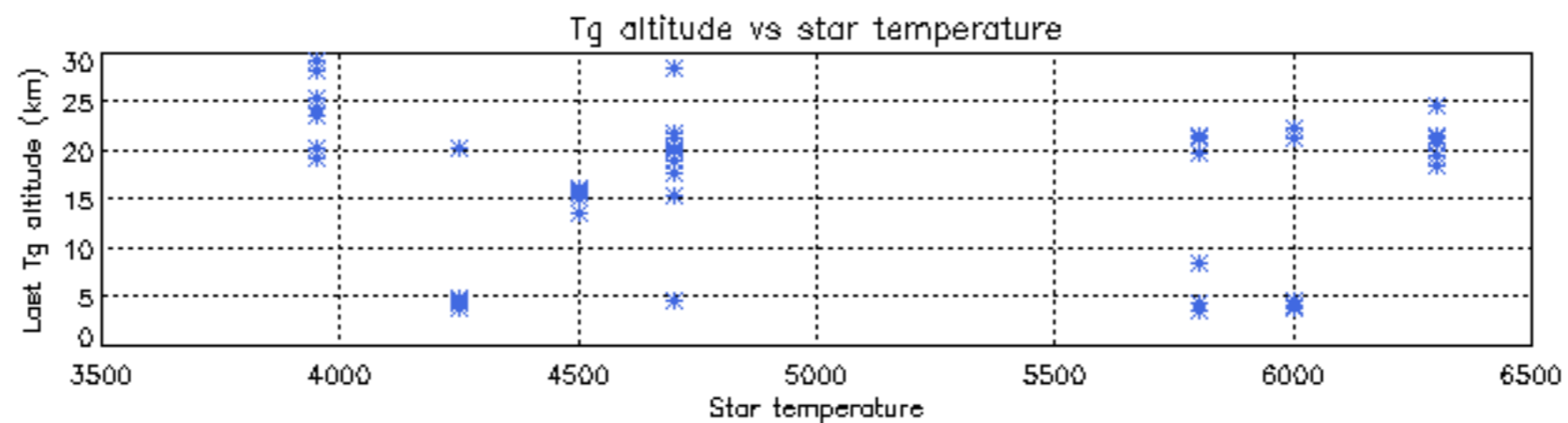
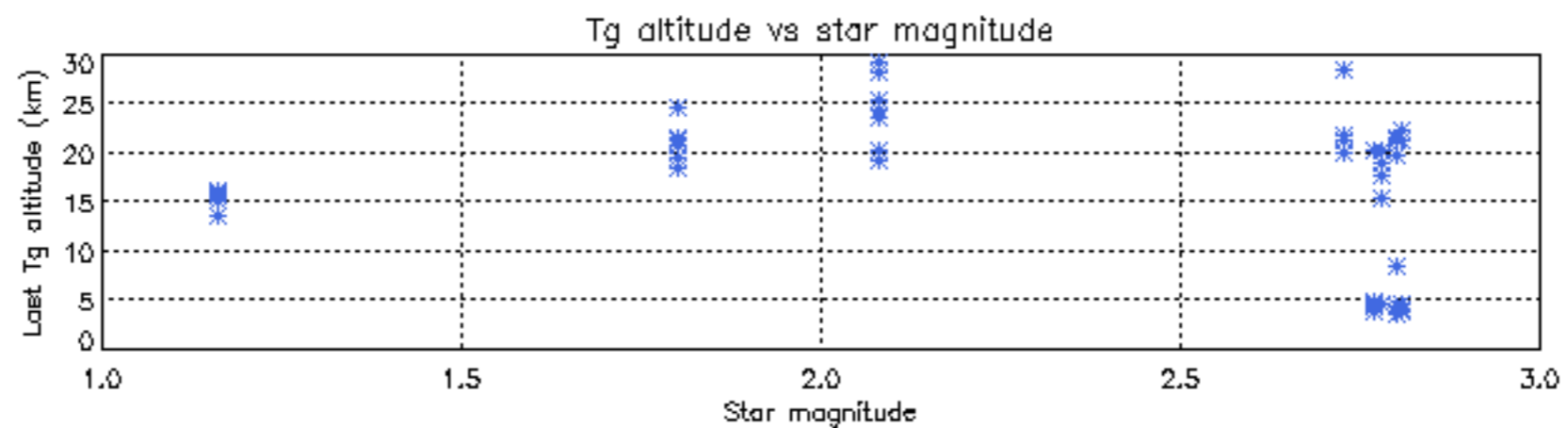
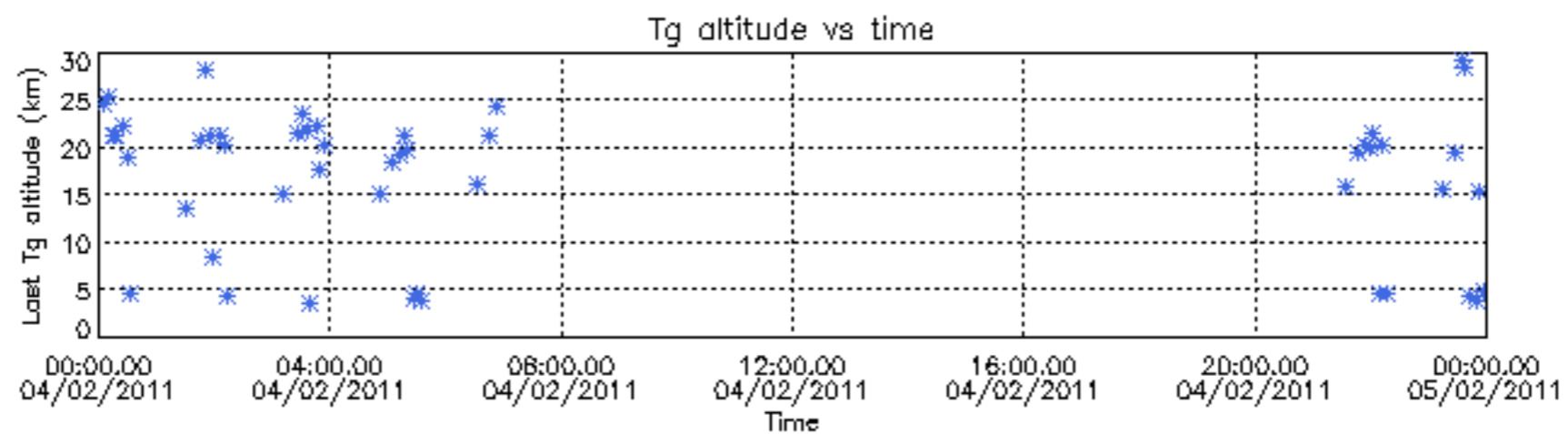
Percentage of saturation errors per profile

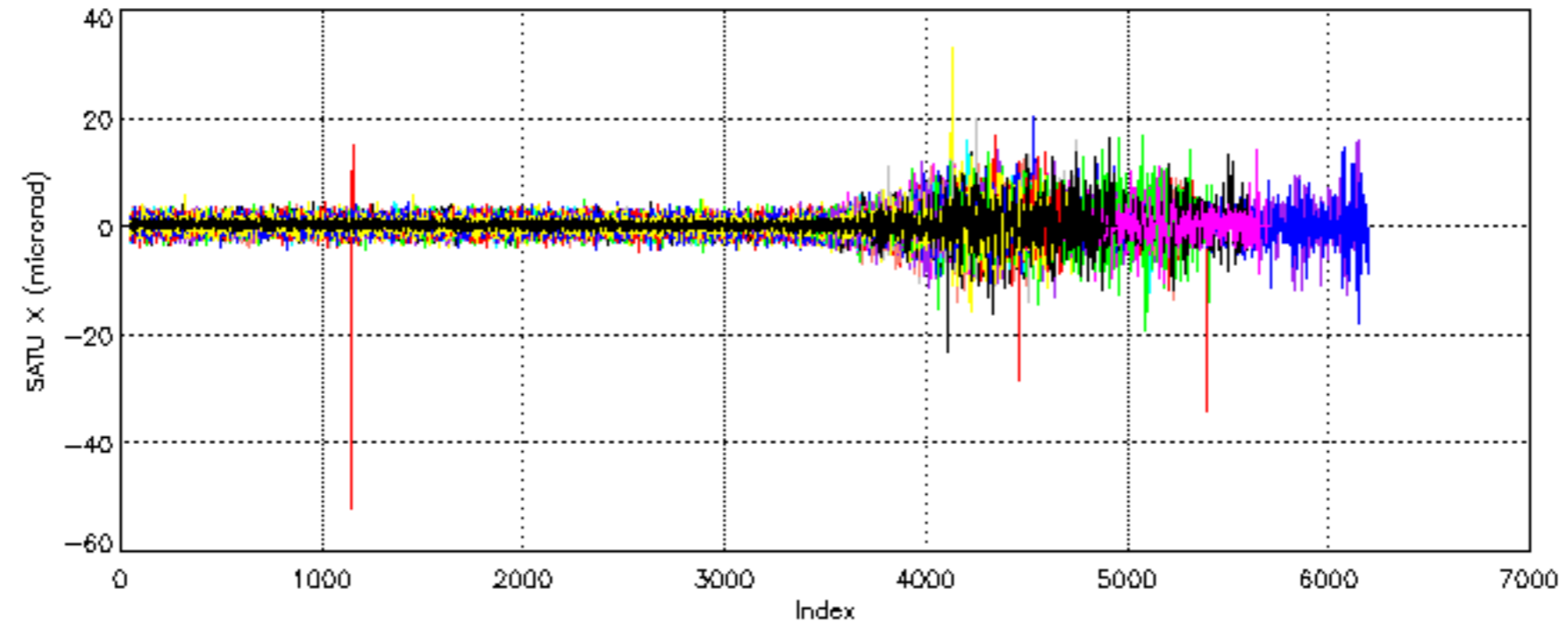


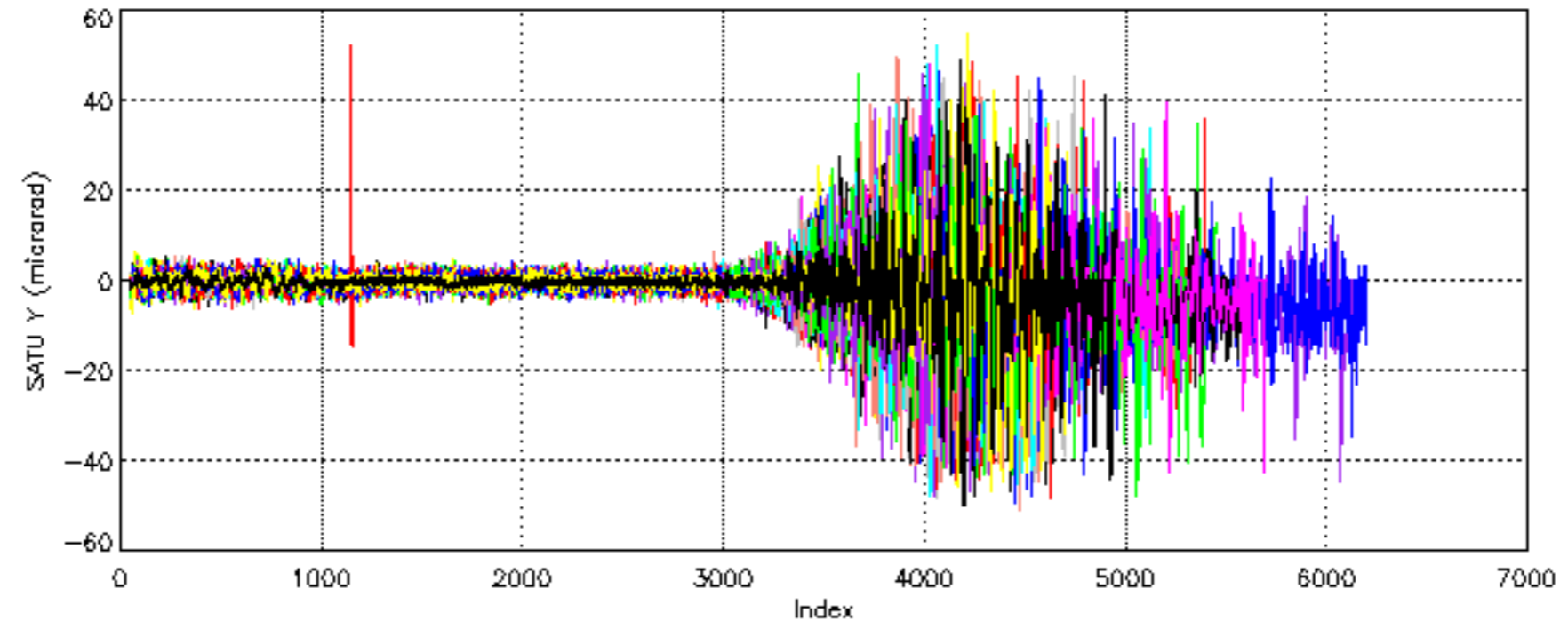
Tangent altitude at which the star is lost

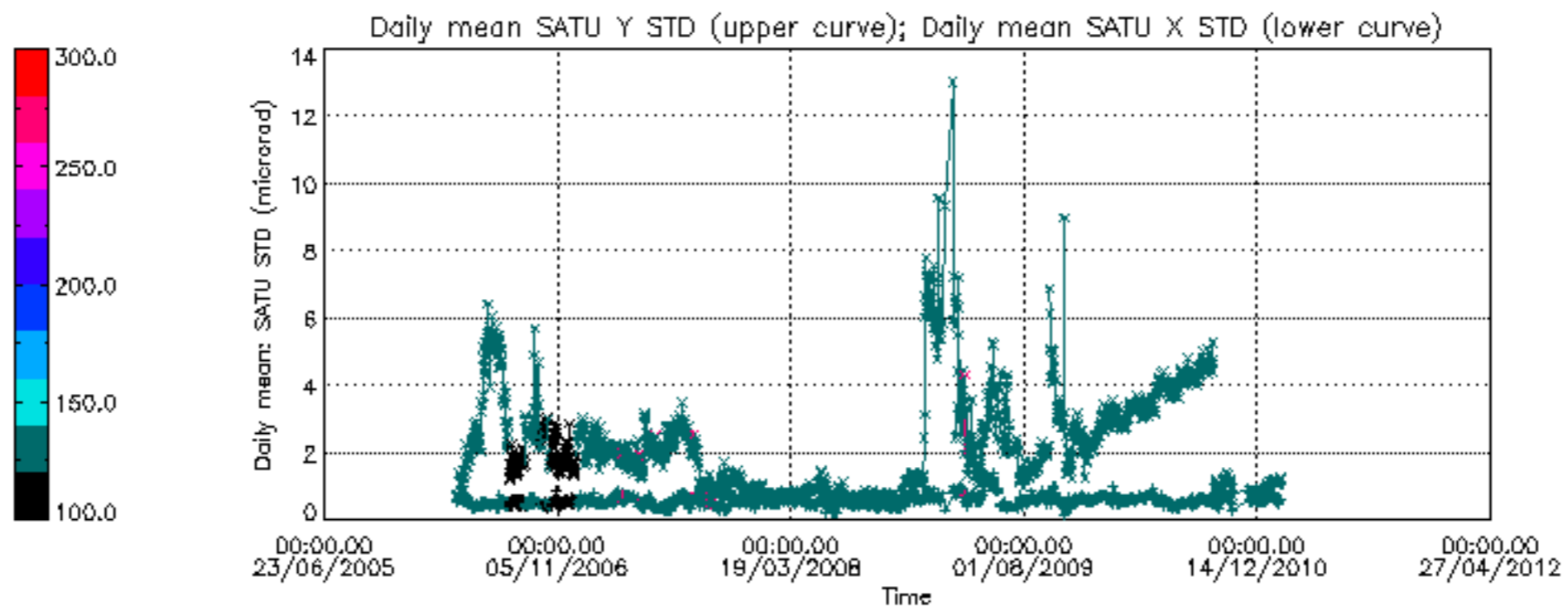


Tangent altitude at which the star is lost









/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20110201\_004830\_000056763099\_00088\_46654\_2201.N1

1; -719.1; 01-FEB-2011 00:48:30; Dark ; 44.5; 86; 35Eta Oph ; 2.43; 10200;occ; 89; 7;46654  
 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  
 11; 1730.7; 01-FEB-2011 01:29:20; Dark ; 47.0; 48; 30Alp Hya ; 1.98; 4100;occ; 94; 0;46655  
 12; 1980.4; 01-FEB-2011 01:33:30; Dark ; 48.5; 8; 10Alp CMi ; 0.40; 6500;occ; 97; 0;46655  
 13; 2379.1; 01-FEB-2011 01:40:09; Bright; 42.5; 17; 78Bet Gem ; 1.16; 4500;occ; 85; 0;46655  
 14; 3264.1; 01-FEB-2011 01:54:54; Bright; 44.5; 36; 50Alp UMa ; 1.80; 6300;occ; 89; 0;46655  
 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

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20110201\_022842\_000040273099\_00089\_46655\_2202.N1

1; -721.9; 01-FEB-2011 02:28:42; Dark ; 44.5; 86; 35Eta Oph ; 2.43; 10200;occ; 89; 0;46655  
 2; -463.6; 01-FEB-2011 02:33:00; Dark ; 50.5; 16; 21Alp Sco ; 1.02; 3000;occ; 101; 0;46655  
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21; 3253.7; 02-FEB-2011 04:38:27; Bright; 46.5; 36; 50Alp UMa ; 1.80; 6300;occ; 93; 0;46671
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4; 41.5; 02-FEB-2011 23:47:43; Dark ; 44.5; 109; Bet Lup ; 2.68; 26000;occ; 89; 0;46683
5; 206.9; 02-FEB-2011 23:50:29; Dark ; 55.0; 4; Alp1Cen ; -0.01; 5800;occ; 110; 0;46683
6; 279.8; 02-FEB-2011 23:51:42; Dark ; 51.5; 10; Bet Cen ; 0.61; 28000;occ; 103; 0;46683
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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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3; 3242.2; 03-FEB-2011 09:02:14; Bright; 45.5; 36; 50Alp UMa ; 1.80; 6300;occ; 91; 0;46688
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5; 3869.6; 03-FEB-2011 09:12:42; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;46688
6; 4066.0; 03-FEB-2011 09:15:58; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;46688
7; 4470.0; 03-FEB-2011 09:22:42; Bright; 43.0; 133; 40Zet Her ; 2.81; 6000;occ; 86; 0;46688
8; 4694.2; 03-FEB-2011 09:26:26; Bright; 49.5; 127; 27Bet Her ; 2.78; 4700;occ; 99; 0;46688
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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 13; 5924.2; 03-FEB-2011 09:46:56; Dark ; 46.5; 131; Gam Lup ; 2.80; 26000;occ; 93; 0;46688  
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 18; 6654.2; 03-FEB-2011 09:59:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46689  
 19; 6842.6; 03-FEB-2011 10:02:15; Dark ; 43.0; 113; Mu Vel ; 2.69; 5000;occ; 86; 0;46689  
 20; 7097.9; 03-FEB-2011 10:06:30; Dark ; 51.0; 65; Lam Vel ; 2.20; 4400;occ; 102; 0;46689  
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 3; 3241.6; 03-FEB-2011 10:42:28; Bright; 46.5; 36; 50Alp UMa ; 1.80; 6300;occ; 93; 0;46689  
 4; 3584.9; 03-FEB-2011 10:48:11; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;46689  
 5; 3869.2; 03-FEB-2011 10:52:55; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;46689  
 6; 4065.8; 03-FEB-2011 10:56:12; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;46689  
 7; 4470.0; 03-FEB-2011 11:02:56; Bright; 44.5; 133; 40Zet Her ; 2.81; 6000;occ; 89; 0;46689  
 8; 4694.6; 03-FEB-2011 11:06:41; Bright; 69.0; 127; 27Bet Her ; 2.78; 4700;occ; 138; 0;46689  
 9; 4915.1; 03-FEB-2011 11:10:21; Bright; 55.0; 126; 60Bet Oph ; 2.77; 4250;occ; 110; 0;46689  
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 11; 5574.9; 03-FEB-2011 11:21:21; Dark ; 51.5; 16; 21Alp Sco ; 1.02; 3000;occ; 103; 0;46689  
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 7; 4470.3; 03-FEB-2011 12:43:10; Bright; 65.0; 133; 40Zet Her ; 2.81; 6000;occ; 130; 0;46690  
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 19; 6843.8; 03-FEB-2011 13:22:44; Dark ; 42.5; 113; Mu Vel ; 2.69; 5000;occ; 85; 0;46691  
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8; 4699.5; 04-FEB-2011 08:49:48; Bright; 49.5; 127; 27Bet Her ; 2.78; 4700;occ; 99; 0;46702
9; 4919.8; 04-FEB-2011 08:53:28; Bright; 43.5; 126; 60Bet Oph ; 2.77; 4250;occ; 87; 0;46702

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19; 6852.3; 04-FEB-2011 14:26:22; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;46706
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19; 6852.7; 04-FEB-2011 16:06:37; Dark ; 50.0; 113; Mu Vel ; 2.69; 5000;occ; 100; 0;46707
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 3; -70.2; 05-FEB-2011 00:12:38; Dark ; 43.5; 131; Gam Lup ; 2.80; 26000;occ; 87; 0;46711  
 4; 150.5; 05-FEB-2011 00:16:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46712  
 5; 297.2; 05-FEB-2011 00:18:45; Dark ; 40.0; 10; Bet Cen ; 0.61; 28000;occ; 80; 0;46712  
 6; 496.1; 05-FEB-2011 00:22:04; Dark ; 43.5; 12; Alp1Cru ; 0.77; 30000;occ; 87; 0;46712  
 7; 630.8; 05-FEB-2011 00:24:19; Dark ; 43.5; 99; Del Cen ; 2.58; 26000;occ; 87; 0;46712  
 8; 841.4; 05-FEB-2011 00:27:50; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;46712  
 9; 1091.6; 05-FEB-2011 00:32:00; Dark ; 44.0; 65; Lam Vel ; 2.20; 4400;occ; 88; 0;46712  
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 11; 2373.1; 05-FEB-2011 00:53:21; Bright; 41.5; 17; 78Bet Gem ; 1.16; 4500;occ; 83; 0;46712  
 12; 3226.6; 05-FEB-2011 01:07:35; Bright; 44.5; 36; 50Alp UMa ; 1.80; 6300;occ; 89; 0;46712  
 13; 3578.8; 05-FEB-2011 01:13:27; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;46712  
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 17; 4703.2; 05-FEB-2011 01:32:11; Bright; 49.5; 127; 27Bet Her ; 2.78; 4700;occ; 99; 0;46712  
 18; 4923.2; 05-FEB-2011 01:35:51; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;46712

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 3; 151.3; 05-FEB-2011 01:56:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46713  
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 6; 631.7; 05-FEB-2011 02:04:34; Dark ; 44.5; 99; Del Cen ; 2.58; 26000;occ; 89; 0;46713  
 7; 842.0; 05-FEB-2011 02:08:04; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;46713  
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 9; 1727.6; 05-FEB-2011 02:22:50; Dark ; 54.0; 48; 30Alp Hya ; 1.98; 4100;occ; 108; 0;46713  
 10; 2373.1; 05-FEB-2011 02:33:35; Bright; 41.0; 17; 78Bet Gem ; 1.16; 4500;occ; 82; 0;46713  
 11; 3226.0; 05-FEB-2011 02:47:48; Bright; 47.0; 36; 50Alp UMa ; 1.80; 6300;occ; 94; 0;46713  
 12; 3578.6; 05-FEB-2011 02:53:41; Bright; 10.5; 60; 7Bet UMi ; 2.08; 3950;occ; 21; 0;46713

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 11; 152.0; 05-FEB-2011 03:36:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46714  
 12; 298.6; 05-FEB-2011 03:39:15; Dark ; 43.0; 10; Bet Cen ; 0.61; 28000;occ; 86; 0;46714  
 13; 497.2; 05-FEB-2011 03:42:33; Dark ; 49.5; 12; Alp1Cru ; 0.77; 30000;occ; 99; 0;46714  
 14; 632.8; 05-FEB-2011 03:44:49; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;46714  
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19; 3225.5; 05-FEB-2011 04:28:02; Bright; 47.0; 36; 50Alp UMa ; 1.80; 6300;occ; 94; 0;46714
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 5; -1090.1; 05-FEB-2011 04:56:20; Bright; 56.0; 126; 60Bet Oph ; 2.77; 4250;occ; 112; 0;46714
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 9; -67.3; 05-FEB-2011 05:13:23; Dark ; 44.0; 131; Gam Lup ; 2.80; 26000;occ; 88; 0;46714
10; 152.7; 05-FEB-2011 05:17:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46715
11; 299.3; 05-FEB-2011 05:19:29; Dark ; 43.5; 10; Bet Cen ; 0.61; 28000;occ; 87; 0;46715
12; 497.8; 05-FEB-2011 05:22:48; Dark ; 42.0; 12; Alp1Cru ; 0.77; 30000;occ; 84; 0;46715
13; 633.5; 05-FEB-2011 05:25:04; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;46715
14; 843.2; 05-FEB-2011 05:28:33; Dark ; 43.0; 113; Mu Vel ; 2.69; 5000;occ; 86; 0;46715
15; 1092.6; 05-FEB-2011 05:32:43; Dark ; 43.5; 65; Lam Vel ; 2.20; 4400;occ; 87; 0;46715
16; 1727.8; 05-FEB-2011 05:43:18; Dark ; 56.0; 48; 30Alp Hya ; 1.98; 4100;occ; 112; 0;46715
17; 2373.1; 05-FEB-2011 05:54:03; Bright; 40.0; 17; 78Bet Gem ; 1.16; 4500;occ; 80; 0;46715
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 3; 2372.5; 05-FEB-2011 20:56:09; Bright; 40.0; 17; 78Bet Gem ; 1.16; 4500;occ; 80; 0;46724
 4; 3219.0; 05-FEB-2011 21:10:15; Bright; 46.0; 36; 50Alp UMa ; 1.80; 6300;occ; 92; 0;46724
 5; 3575.7; 05-FEB-2011 21:16:12; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;46724
 6; 3862.2; 05-FEB-2011 21:20:59; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;46724
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 8; 4475.0; 05-FEB-2011 21:31:11; Bright; 67.0; 133; 40Zet Her ; 2.81; 6000;occ; 134; 0;46724
 9; 4707.7; 05-FEB-2011 21:35:04; Bright; 52.5; 127; 27Bet Her ; 2.78; 4700;occ; 105; 0;46724
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 7; 640.7; 05-FEB-2011 22:07:31; Dark ; 45.5; 99; Del Cen ; 2.58; 26000;occ; 91; 0;46725
 8; 848.5; 05-FEB-2011 22:10:59; Dark ; 42.0; 113; Mu Vel ; 2.69; 5000;occ; 84; 0;46725
 9; 1097.4; 05-FEB-2011 22:15:08; Dark ; 43.0; 65; Lam Vel ; 2.20; 4400;occ; 86; 0;46725
10; 1727.3; 05-FEB-2011 22:25:38; Dark ; 53.0; 48; 30Alp Hya ; 1.98; 4100;occ; 106; 0;46725
11; 2372.4; 05-FEB-2011 22:36:23; Bright; 40.5; 17; 78Bet Gem ; 1.16; 4500;occ; 81; 0;46725
12; 3218.4; 05-FEB-2011 22:50:29; Bright; 45.5; 36; 50Alp UMa ; 1.80; 6300;occ; 91; 0;46725
13; 3575.3; 05-FEB-2011 22:56:26; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;46725
14; 3861.9; 05-FEB-2011 23:01:12; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;46725
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16; 4475.1; 05-FEB-2011 23:11:25; Bright; 47.0; 133; 40Zet Her ; 2.81; 6000;occ; 94; 0;46725
17; 4708.1; 05-FEB-2011 23:15:18; Bright; 73.0; 127; 27Bet Her ; 2.78; 4700;occ; 146; 0;46725
18; 4928.1; 05-FEB-2011 23:18:58; Bright; 57.0; 126; 60Bet Oph ; 2.77; 4250;occ; 114; 0;46725
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10; 153.4; 05-FEB-2011 06:57:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46716
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13; 5948.5; 05-FEB-2011 08:33:53; Dark ; 44.5; 131; Gam Lup ; 2.80; 26000;occ; 89; 0;46716
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 5; -1084.5; 06-FEB-2011 05:59:56; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;46729
 6; -680.8; 06-FEB-2011 06:06:40; Dark ; 45.0; 86; 35Eta Oph ; 2.43; 10200;occ; 90; 0;46729
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13; 644.6; 06-FEB-2011 06:28:45; Dark ; 49.5; 99; Del Cen ; 2.58; 26000;occ; 99; 0;46730
14; 851.5; 06-FEB-2011 06:32:12; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;46730
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 4; 3209.9; 06-FEB-2011 20:33:22; Bright; 45.5; 36; 50Alp UMA ; 1.80; 6300;occ; 91; 0;46738
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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
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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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 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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 13; 506.2; 06-FEB-2011 08:06:41; Dark ; 47.5; 12; Alp1Cru ; 0.77; 30000;occ; 95; 0;46731  
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 4; 3573.6; 06-FEB-2011 08:57:48; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;46731  
 5; 3860.4; 06-FEB-2011 09:02:35; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;46731  
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 9; 4800.2; 06-FEB-2011 09:18:15; Bright; 41.0; 59; 55Alp Oph ; 2.08; 8900;occ; 82; 0;46731  
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 16; 6323.6; 06-FEB-2011 09:43:38; Dark ; 42.0; 10; Bet Cen ; 0.61; 28000;occ; 84; 0;46732  
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 18; 6660.0; 06-FEB-2011 09:49:14; Dark ; 44.5; 99; Del Cen ; 2.58; 26000;occ; 89; 0;46732  
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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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 14; 6189.5; 07-FEB-2011 09:04:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46746  
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 17; 6670.5; 07-FEB-2011 09:12:41; Dark ; 45.5; 99; Del Cen ; 2.58; 26000;occ; 91; 0;46746  
 18; 6873.9; 07-FEB-2011 09:16:04; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;46746  
 19; 7740.9; 07-FEB-2011 09:30:31; Dark ; 57.5; 48; 30Alp Hya ; 1.98; 4100;occ; 115; 0;46746

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 2; 2371.6; 07-FEB-2011 09:41:16; Bright; 52.5; 17; 78Bet Gem ; 1.16; 4500;occ; 105; 0;46746  
 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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 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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 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  
 15; 6332.8; 07-FEB-2011 10:47:17; Dark ; 42.0; 10; Bet Cen ; 0.61; 28000;occ; 84; 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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 9; 4936.6; 07-FEB-2011 12:04:15; Bright; 42.5; 126; 60Bet Oph ; 2.77; 4250;occ; 85; 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  
 14; 6190.9; 07-FEB-2011 12:25:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46748  
 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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 3; 3157.6; 07-FEB-2011 13:14:50; Bright; 33.0; 82; 48Bet UMa ; 2.37; 10600;occ; 66; 0;46748  
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 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  
 11; 5623.0; 07-FEB-2011 13:55:55; Dark ; 64.0; 16; 21Alp Sco ; 1.02; 3000;occ; 128; 0;46748  
 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  
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 15; 6334.0; 07-FEB-2011 14:07:46; Dark ; 42.5; 10; Bet Cen ; 0.61; 28000;occ; 85; 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  
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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  
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 7; 4478.7; 07-FEB-2011 15:17:05; Bright; 69.0; 133; 40Zet Her ; 2.81; 6000;occ; 138; 0;46749  
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 9; 4937.5; 07-FEB-2011 15:24:44; Bright; 57.0; 126; 60Bet Oph ; 2.77; 4250;occ; 114; 0;46749  
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 13; 5978.2; 07-FEB-2011 15:42:05; Dark ; 45.0; 131; Gam Lup ; 2.80; 26000;occ; 90; 0;46749  
 14; 6192.5; 07-FEB-2011 15:45:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46750  
 15; 6334.6; 07-FEB-2011 15:48:01; Dark ; 42.5; 10; Bet Cen ; 0.61; 28000;occ; 85; 0;46750  
 16; 6530.2; 07-FEB-2011 15:51:17; Dark ; 43.0; 12; Alp1Cru ; 0.77; 30000;occ; 86; 0;46750  
 17; 6673.3; 07-FEB-2011 15:53:40; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;46750  
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 3; 3155.8; 07-FEB-2011 16:35:16; Bright; 36.0; 82; 48Bet UMa ; 2.37; 10600;occ; 72; 0;46750  
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 13; 5979.4; 07-FEB-2011 17:22:20; Dark ; 45.0; 131; Gam Lup ; 2.80; 26000;occ; 90; 0;46750  
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 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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 5; 3855.8; 07-FEB-2011 18:27:10; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;46751  
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 8; 4807.2; 07-FEB-2011 18:43:02; Bright; 59.0; 59; 55Alp Oph ; 2.08; 8900;occ; 118; 0;46751  
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 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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 15; 6335.7; 07-FEB-2011 19:08:30; Dark ; 43.0; 10; Bet Cen ; 0.61; 28000;occ; 86; 0;46752  
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 5; 3567.9; 07-FEB-2011 20:02:36; Bright; 42.5; 60; 7Bet UMi ; 2.08; 3950;occ; 85; 0;46752  
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16; 6336.3; 07-FEB-2011 20:48:45; Dark ; 42.0; 10; Bet Cen ; 0.61; 28000;occ; 84; 0;46753
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19; 6877.7; 07-FEB-2011 20:57:46; Dark ; 50.5; 113; Mu Vel ; 2.69; 5000;occ; 101; 0;46753
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 4; 666.5; 08-FEB-2011 08:36:07; Dark ; 44.5; 99; Del Cen ; 2.58; 26000;occ; 89; 0;46760
 5; 867.5; 08-FEB-2011 08:39:28; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;46760
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18; 2383.3; 13-FEB-2011 04:20:50; Bright; 46.0; 166; 17Eps Leo ; 2.98; 6000;occ; 92; 0;46829
19; 3097.7; 13-FEB-2011 04:32:45; Bright; 45.0; 82; 48Bet UMa ; 2.37; 10600;occ; 90; 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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17; 2383.0; 13-FEB-2011 06:01:04; Bright; 46.0; 166; 17Eps Leo ; 2.98; 6000;occ; 92; 0;46830
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 9; 42.5; 13-FEB-2011 07:02:18; Dark ; 45.5; 131; Gam Lup ; 2.80; 26000;occ; 91; 0;46831
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12; 557.4; 13-FEB-2011 07:10:52; Dark ; 51.5; 12; Alp1Cru ; 0.77; 30000;occ; 103; 0;46831
13; 648.5; 13-FEB-2011 07:12:24; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;46831
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 5; 3835.1; 13-FEB-2011 08:05:30; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 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
11; 5701.6; 13-FEB-2011 08:36:37; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;46831
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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 3; 3544.9; 13-FEB-2011 09:40:54; Bright; 42.5; 60; 7Bet UMi ; 2.08; 3950;occ; 85; 0;46832
 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
 7; 4839.1; 13-FEB-2011 10:02:28; Bright; 44.5; 59; 55Alp Oph ; 2.08; 8900;occ; 89; 0;46832

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 11; 5827.6; 13-FEB-2011 10:18:57; Dark ; 54.0; 158; 6Pi Sco ; 2.91; 28000;occ; 108; 0;46832  
 12; 6058.6; 13-FEB-2011 10:22:48; Dark ; 46.5; 131; Gam Lup ; 2.80; 26000;occ; 93; 0;46833  
 13; 6254.9; 13-FEB-2011 10:26:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46833  
 14; 6385.7; 13-FEB-2011 10:28:15; Dark ; 44.0; 10; Bet Cen ; 0.61; 28000;occ; 88; 0;46833  
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 5; 3834.2; 13-FEB-2011 14:46:25; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;46835  
 6; 4056.1; 13-FEB-2011 14:50:07; Bright; 41.5; 130; 23Bet Dra ; 2.80; 5800;occ; 83; 0;46835  
 7; 4305.8; 13-FEB-2011 14:54:17; Bright; 37.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 74; 0;46835  
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 4; 3543.1; 13-FEB-2011 19:42:16; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;46838  
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 6; 4055.5; 13-FEB-2011 19:50:49; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;46838  
 7; 4305.9; 13-FEB-2011 19:54:59; Bright; 35.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 70; 0;46838  
 8; 4841.7; 13-FEB-2011 20:03:55; Bright; 64.0; 59; 55Alp Oph ; 2.08; 8900;occ; 128; 0;46838  
 9; 4976.9; 13-FEB-2011 20:06:10; Dark ; 51.0; 126; 60Bet Oph ; 2.77; 4250;occ; 102; 0;46838  
 10; 5410.7; 13-FEB-2011 20:13:24; Dark ; 49.5; 86; 35Eta Oph ; 2.43; 10200;occ; 99; 0;46838  
 11; 5708.8; 13-FEB-2011 20:18:22; Dark ; 64.5; 16; 21Alp Sco ; 1.02; 3000;occ; 129; 0;46838  
 12; 5835.6; 13-FEB-2011 20:20:29; Dark ; 54.0; 158; 6Pi Sco ; 2.91; 28000;occ; 108; 0;46838  
 13; 6064.6; 13-FEB-2011 20:24:18; Dark ; 47.5; 131; Gam Lup ; 2.80; 26000;occ; 95; 0;46839  
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 15; 6389.3; 13-FEB-2011 20:29:42; Dark ; 44.5; 10; Bet Cen ; 0.61; 28000;occ; 89; 0;46839  
 16; 6575.3; 13-FEB-2011 20:32:48; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;46839  
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 11; 3088.5; 14-FEB-2011 02:15:37; Bright; 44.5; 82; 48Bet UMa ; 2.37; 10600;occ; 89; 0;46842  
 12; 3541.9; 14-FEB-2011 02:23:11; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;46842  
 13; 3832.0; 14-FEB-2011 02:28:01; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;46842  
 14; 4055.1; 14-FEB-2011 02:31:44; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;46842  
 15; 4306.2; 14-FEB-2011 02:35:55; Bright; 38.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 77; 0;46842  
 16; 4843.4; 14-FEB-2011 02:44:52; Bright; 45.0; 59; 55Alp Oph ; 2.08; 8900;occ; 90; 0;46842  
 17; 4978.9; 14-FEB-2011 02:47:08; Dark ; 52.0; 126; 60Bet Oph ; 2.77; 4250;occ; 104; 0;46842  
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 19; 5713.1; 14-FEB-2011 02:59:22; Dark ; 60.5; 16; 21Alp Sco ; 1.02; 3000;occ; 121; 0;46842  
 20; 5840.8; 14-FEB-2011 03:01:30; Dark ; 54.5; 158; 6Pi Sco ; 2.91; 28000;occ; 109; 0;46842  
 21; 6069.0; 14-FEB-2011 03:05:18; Dark ; 46.0; 131; Gam Lup ; 2.80; 26000;occ; 92; 0;46843  
 22; 6262.6; 14-FEB-2011 03:08:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46843  
 23; 6391.8; 14-FEB-2011 03:10:41; Dark ; 42.5; 10; Bet Cen ; 0.61; 28000;occ; 85; 0;46843  
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 25; 6671.6; 14-FEB-2011 03:15:21; Dark ; 47.0; 64; Gam Cen ; 2.20; 10600;occ; 94; 0;46843  
 26; 6921.9; 14-FEB-2011 03:19:31; Dark ; 42.5; 113; Mu Vel ; 2.69; 5000;occ; 85; 0;46843  
 27; 7741.7; 14-FEB-2011 03:33:11; Dark ; 47.5; 48; 30Alp Hya ; 1.98; 4100;occ; 95; 0;46843  
 28; 8390.2; 14-FEB-2011 03:43:59; Bright; 45.0; 166; 17Eps Leo ; 2.98; 6000;occ; 90; 0;46843  
 29; 9101.9; 14-FEB-2011 03:55:51; Bright; 43.5; 82; 48Bet UMa ; 2.37; 10600;occ; 87; 0;46843

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3;-1959.1; 14-FEB-2011 04:11:58; Bright; 40.5; 130; 23Bet Dra ; 2.80; 5800;occ; 81; 0;46843
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6;-1034.6; 14-FEB-2011 04:27:22; Dark ; 50.5; 126; 60Bet Oph ; 2.77; 4250;occ; 101; 0;46843
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8; -300.1; 14-FEB-2011 04:39:37; Dark ; 70.0; 16; 21Alp Sco ; 1.02; 3000;occ; 140; 0;46843
9; -171.9; 14-FEB-2011 04:41:45; Dark ; 54.0; 158; 6Pi Sco ; 2.91; 28000;occ; 108; 0;46843
10; 55.8; 14-FEB-2011 04:45:33; Dark ; 45.5; 131; Gam Lup ; 2.80; 26000;occ; 91; 0;46844
11; 249.3; 14-FEB-2011 04:48:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46844
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14; 658.4; 14-FEB-2011 04:55:35; Dark ; 47.5; 64; Gam Cen ; 2.20; 10600;occ; 95; 0;46844
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16; 1727.7; 14-FEB-2011 05:13:25; Dark ; 42.5; 48; 30Alp Hya ; 1.98; 4100;occ; 85; 0;46844
17; 2375.9; 14-FEB-2011 05:24:13; Bright; 46.0; 166; 17Eps Leo ; 2.98; 6000;occ; 92; 0;46844
18; 3087.3; 14-FEB-2011 05:36:04; Bright; 45.0; 82; 48Bet UMa ; 2.37; 10600;occ; 90; 0;46844
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2;-1959.1; 14-FEB-2011 05:52:12; Bright; 41.5; 130; 23Bet Dra ; 2.80; 5800;occ; 83; 0;46844
3;-1707.6; 14-FEB-2011 05:56:23; Bright; 39.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 78; 0;46844
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7; -299.0; 14-FEB-2011 06:19:52; Dark ; 70.0; 16; 21Alp Sco ; 1.02; 3000;occ; 140; 0;46844
8; -170.9; 14-FEB-2011 06:22:00; Dark ; 55.0; 158; 6Pi Sco ; 2.91; 28000;occ; 110; 0;46844
9; 56.8; 14-FEB-2011 06:25:48; Dark ; 47.0; 131; Gam Lup ; 2.80; 26000;occ; 94; 0;46845
10; 250.1; 14-FEB-2011 06:29:01; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46845
11; 379.0; 14-FEB-2011 06:31:10; Dark ; 51.5; 10; Bet Cen ; 0.61; 28000;occ; 103; 0;46845
12; 564.3; 14-FEB-2011 06:34:15; Dark ; 47.5; 12; Alp1Cru ; 0.77; 30000;occ; 95; 0;46845
13; 659.2; 14-FEB-2011 06:35:50; Dark ; 54.5; 64; Gam Cen ; 2.20; 10600;occ; 109; 0;46845
14; 908.7; 14-FEB-2011 06:40:00; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;46845
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16; 2375.2; 14-FEB-2011 07:04:26; Bright; 45.5; 166; 17Eps Leo ; 2.98; 6000;occ; 91; 0;46845
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4;-1169.4; 14-FEB-2011 07:45:36; Bright; 46.5; 59; 55Alp Oph ; 2.08; 8900;occ; 93; 0;46845
5;-1033.7; 14-FEB-2011 07:47:51; Dark ; 50.0; 126; 60Bet Oph ; 2.77; 4250;occ; 100; 0;46845
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9; 58.0; 14-FEB-2011 08:06:03; Dark ; 47.0; 131; Gam Lup ; 2.80; 26000;occ; 94; 0;46846
10; 250.9; 14-FEB-2011 08:09:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46846
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12; 564.8; 14-FEB-2011 08:14:30; Dark ; 51.0; 12; Alp1Cru ; 0.77; 30000;occ; 102; 0;46846
13; 660.0; 14-FEB-2011 08:16:05; Dark ; 48.0; 64; Gam Cen ; 2.20; 10600;occ; 96; 0;46846
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3; 3086.0; 14-FEB-2011 08:56:31; Bright; 44.0; 82; 48Bet UMa ; 2.37; 10600;occ; 88; 0;46846
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6; 4054.6; 14-FEB-2011 09:12:40; Bright; 41.0; 130; 23Bet Dra ; 2.80; 5800;occ; 82; 0;46846
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9; 4980.9; 14-FEB-2011 09:28:06; Dark ; 51.5; 126; 60Bet Oph ; 2.77; 4250;occ; 103; 0;46846
10; 5417.0; 14-FEB-2011 09:35:22; Dark ; 48.0; 86; 35Eta Oph ; 2.43; 10200;occ; 96; 0;46846
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12; 5845.9; 14-FEB-2011 09:42:31; Dark ; 54.0; 158; 6Pi Sco ; 2.91; 28000;occ; 108; 0;46846
13; 6072.9; 14-FEB-2011 09:46:18; Dark ; 47.0; 131; Gam Lup ; 2.80; 26000;occ; 94; 0;46847
14; 6265.6; 14-FEB-2011 09:49:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46847
15; 6394.3; 14-FEB-2011 09:51:39; Dark ; 50.5; 10; Bet Cen ; 0.61; 28000;occ; 101; 0;46847

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 3; 3085.0; 14-FEB-2011 10:36:44; Bright; 45.0; 82; 48Bet UMa ; 2.37; 10600;occ; 90; 0;46847
 4; 3540.4; 14-FEB-2011 10:44:20; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;46847
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16; 6580.4; 14-FEB-2011 13:15:13; Dark ; 42.5; 12; Alp1Cru ; 0.77; 30000;occ; 85; 0;46849
17; 6676.2; 14-FEB-2011 13:16:49; Dark ; 47.5; 64; Gam Cen ; 2.20; 10600;occ; 95; 0;46849
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 3; 3084.0; 14-FEB-2011 13:57:11; Bright; 45.5; 82; 48Bet UMa ; 2.37; 10600;occ; 91; 0;46849
 4; 3539.8; 14-FEB-2011 14:04:47; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;46849
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 6; 4054.4; 14-FEB-2011 14:13:21; Bright; 42.5; 130; 23Bet Dra ; 2.80; 5800;occ; 85; 0;46849
 7; 4307.0; 14-FEB-2011 14:17:34; Bright; 36.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 73; 0;46849
 8; 4846.6; 14-FEB-2011 14:26:34; Bright; 44.0; 59; 55Alp Oph ; 2.08; 8900;occ; 88; 0;46849
 9; 4982.5; 14-FEB-2011 14:28:49; Dark ; 51.5; 126; 60Bet Oph ; 2.77; 4250;occ; 103; 0;46849
10; 5419.7; 14-FEB-2011 14:36:07; Dark ; 47.0; 86; 35Eta Oph ; 2.43; 10200;occ; 94; 0;46849
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13; 6076.0; 14-FEB-2011 14:47:03; Dark ; 46.5; 131; Gam Lup ; 2.80; 26000;occ; 93; 0;46850
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15; 6396.0; 14-FEB-2011 14:52:23; Dark ; 47.0; 10; Bet Cen ; 0.61; 28000;occ; 94; 0;46850
16; 6475.6; 14-FEB-2011 14:53:43; Dark ; 43.5; 77; Eps Cen ; 2.30; 28000;occ; 87; 0;46850
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4; 3539.2; 14-FEB-2011 17:25:14; Bright; 43.0; 60; 7Bet UMi ; 2.08; 3950;occ; 86; 0;46851
5; 3829.2; 14-FEB-2011 17:30:04; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;46851
6; 4054.0; 14-FEB-2011 17:33:49; Bright; 42.5; 130; 23Bet Dra ; 2.80; 5800;occ; 85; 0;46851
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13; 6078.1; 14-FEB-2011 18:07:33; Dark ; 47.5; 131; Gam Lup ; 2.80; 26000;occ; 95; 0;46852
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5; 3829.0; 14-FEB-2011 19:10:18; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;46852
6; 4053.8; 14-FEB-2011 19:14:03; Bright; 60.0; 130; 23Bet Dra ; 2.80; 5800;occ; 120; 0;46852
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8; 4847.9; 14-FEB-2011 19:27:17; Bright; 46.0; 59; 55Alp Oph ; 2.08; 8900;occ; 92; 0;46852
9; 4983.9; 14-FEB-2011 19:29:33; Dark ; 52.0; 126; 60Bet Oph ; 2.77; 4250;occ; 104; 0;46852
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13; 6079.0; 14-FEB-2011 19:47:48; Dark ; 48.0; 131; Gam Lup ; 2.80; 26000;occ; 96; 0;46853
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17; 6582.2; 14-FEB-2011 19:56:11; Dark ; 42.0; 12; Alp1Cru ; 0.77; 30000;occ; 84; 0;46853
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12; 2370.1; 15-FEB-2011 01:26:55; Bright; 46.5; 166; 17Eps Leo ; 2.98; 6000;occ; 93; 0;46856
13; 3078.8; 15-FEB-2011 01:38:44; Bright; 45.0; 82; 48Bet UMa ; 2.37; 10600;occ; 90; 0;46856

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17; 4307.4; 15-FEB-2011 01:59:12; Bright; 36.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 73; 0;46856
18; 4849.7; 15-FEB-2011 02:08:15; Bright; 46.5; 59; 55Alp Oph ; 2.08; 8900;occ; 93; 0;46856
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 4; 69.1; 15-FEB-2011 02:28:48; Dark ; 46.0; 131; Gam Lup ; 2.80; 26000;occ; 92; 0;46857
 5; 259.3; 15-FEB-2011 02:31:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46857
 6; 386.4; 15-FEB-2011 02:34:05; Dark ; 44.0; 10; Bet Cen ; 0.61; 28000;occ; 88; 0;46857
 7; 466.8; 15-FEB-2011 02:35:26; Dark ; 44.5; 77; Eps Cen ; 2.30; 28000;occ; 89; 0;46857
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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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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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12; 469.2; 15-FEB-2011 07:36:10; Dark ; 44.5; 77; Eps Cen ; 2.30; 28000;occ; 89; 0;46860  
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14; 670.8; 15-FEB-2011 07:39:32; Dark ; 46.5; 64; Gam Cen ; 2.20; 10600;occ; 93; 0;46860  
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3; 3076.4; 15-FEB-2011 08:19:38; Bright; 50.0; 82; 48Bet UMa ; 2.37; 10600;occ; 100; 0;46860  
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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16; 6484.1; 15-FEB-2011 09:16:25; Dark ; 45.0; 77; Eps Cen ; 2.30; 28000;occ; 90; 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  
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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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18; 6686.2; 15-FEB-2011 11:00:01; Dark ; 48.5; 64; Gam Cen ; 2.20; 10600;occ; 97; 0;46862  
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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  
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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  
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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
7; 4308.2; 15-FEB-2011 15:21:05; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;46864
8; 4853.7; 15-FEB-2011 15:30:11; Bright; 57.5; 59; 55Alp Oph ; 2.08; 8900;occ; 115; 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
14; 6279.5; 15-FEB-2011 15:53:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46865
15; 6405.4; 15-FEB-2011 15:56:02; Dark ; 45.0; 10; Bet Cen ; 0.61; 28000;occ; 90; 0;46865
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18; 6688.6; 15-FEB-2011 16:00:46; Dark ; 46.5; 64; Gam Cen ; 2.20; 10600;occ; 93; 0;46865
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3; 3073.1; 15-FEB-2011 16:40:44; Bright; 45.5; 82; 48Bet UMa ; 2.37; 10600;occ; 91; 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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17; 6575.1; 15-FEB-2011 17:39:06; Dark ; 52.0; 20; Bet Cru ; 1.25; 30000;occ; 104; 0;46866
18; 6649.4; 15-FEB-2011 17:40:21; Dark ; 41.0; 129; Del Cru ; 2.79; 26000;occ; 82; 0;46866
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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7; 4052.1; 15-FEB-2011 18:37:17; Bright; 41.5; 130; 23Bet Dra ; 2.80; 5800;occ; 83; 0;46866
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13; 5873.1; 15-FEB-2011 19:07:38; Dark ; 39.0; 158; 6Pi Sco ; 2.91; 28000;occ; 78; 0;46866
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15; 6281.0; 15-FEB-2011 19:14:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46867
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9; 741.6; 16-FEB-2011 00:23:03; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;46870
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13; 2363.2; 16-FEB-2011 02:30:18; Bright; 45.5; 166; 17Eps Leo ; 2.98; 6000;occ; 91; 0;46871
14; 3068.9; 16-FEB-2011 02:42:04; Bright; 45.5; 82; 48Bet UMa ; 2.37; 10600;occ; 91; 0;46871
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2; -2191.0; 16-FEB-2011 02:54:38; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;46871
3; -1962.5; 16-FEB-2011 02:58:27; Bright; 41.5; 130; 23Bet Dra ; 2.80; 5800;occ; 83; 0;46871
4; -1705.2; 16-FEB-2011 03:02:44; Bright; 38.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 76; 0;46871
5; -1157.2; 16-FEB-2011 03:11:52; Bright; 50.5; 59; 55Alp Oph ; 2.08; 8900;occ; 101; 0;46871
6; -1020.0; 16-FEB-2011 03:14:09; Dark ; 52.0; 126; 60Bet Oph ; 2.77; 4250;occ; 104; 0;46871
7; -575.4; 16-FEB-2011 03:21:34; Dark ; 52.5; 86; 35Eta Oph ; 2.43; 10200;occ; 105; 0;46871
8; -269.3; 16-FEB-2011 03:26:40; Dark ; 72.0; 16; 21Alp Sco ; 1.02; 3000;occ; 144; 0;46871
9; -133.6; 16-FEB-2011 03:28:55; Dark ; 28.0; 158; 6Pi Sco ; 2.91; 28000;occ; 56; 0;46871
10; 84.9; 16-FEB-2011 03:32:34; Dark ; 47.5; 131; Gam Lup ; 2.80; 26000;occ; 95; 0;46872
11; 270.8; 16-FEB-2011 03:35:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46872
12; 395.7; 16-FEB-2011 03:37:45; Dark ; 44.5; 10; Bet Cen ; 0.61; 28000;occ; 89; 0;46872
13; 478.5; 16-FEB-2011 03:39:08; Dark ; 45.0; 77; Eps Cen ; 2.30; 28000;occ; 90; 0;46872
14; 564.5; 16-FEB-2011 03:40:34; Dark ; 49.0; 20; Bet Cru ; 1.25; 30000;occ; 98; 0;46872
15; 638.6; 16-FEB-2011 03:41:48; Dark ; 41.0; 129; Del Cru ; 2.79; 26000;occ; 82; 0;46872
16; 742.8; 16-FEB-2011 03:43:32; Dark ; 44.5; 99; Del Cen ; 2.58; 26000;occ; 89; 0;46872
17; 921.0; 16-FEB-2011 03:46:30; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;46872
18; 1728.7; 16-FEB-2011 03:59:58; Dark ; 41.5; 48; 30Alp Hya ; 1.98; 4100;occ; 83; 0;46872
19; 2165.3; 16-FEB-2011 04:07:14; Bright; 48.0; 22; 32Alp Leo ; 1.36; 15200;occ; 96; 0;46872
20; 2362.9; 16-FEB-2011 04:10:32; Bright; 44.5; 166; 17Eps Leo ; 2.98; 6000;occ; 89; 0;46872
21; 3068.4; 16-FEB-2011 04:22:18; Bright; 45.5; 82; 48Bet UMa ; 2.37; 10600;occ; 91; 0;46872
22; 3532.9; 16-FEB-2011 04:30:02; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;46872
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3; -1705.1; 16-FEB-2011 04:42:58; Bright; 38.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 76; 0;46872
4; -1156.7; 16-FEB-2011 04:52:07; Bright; 48.0; 59; 55Alp Oph ; 2.08; 8900;occ; 96; 0;46872
5; -1019.4; 16-FEB-2011 04:54:24; Dark ; 49.5; 126; 60Bet Oph ; 2.77; 4250;occ; 99; 0;46872
6; -574.6; 16-FEB-2011 05:01:49; Dark ; 49.0; 86; 35Eta Oph ; 2.43; 10200;occ; 98; 0;46872
7; -268.3; 16-FEB-2011 05:06:55; Dark ; 72.0; 16; 21Alp Sco ; 1.02; 3000;occ; 144; 0;46872
8; 86.1; 16-FEB-2011 05:12:49; Dark ; 49.0; 131; Gam Lup ; 2.80; 26000;occ; 98; 0;46873
9; 271.6; 16-FEB-2011 05:15:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46873
10; 396.2; 16-FEB-2011 05:17:59; Dark ; 50.0; 10; Bet Cen ; 0.61; 28000;occ; 100; 0;46873

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11; 479.4; 16-FEB-2011 05:19:23; Dark ; 43.5; 77; Eps Cen ; 2.30; 28000;occ; 87; 0;46873  
 12; 565.1; 16-FEB-2011 05:20:48; Dark ; 49.5; 20; Bet Cru ; 1.25; 30000;occ; 99; 0;46873  
 13; 639.1; 16-FEB-2011 05:22:02; Dark ; 40.5; 129; Del Cru ; 2.79; 26000;occ; 81; 0;46873  
 14; 743.5; 16-FEB-2011 05:23:47; Dark ; 46.0; 99; Del Cen ; 2.58; 26000;occ; 92; 0;46873  
 15; 921.3; 16-FEB-2011 05:26:45; Dark ; 39.5; 113; Mu Vel ; 2.69; 5000;occ; 79; 0;46873  
 16; 1728.8; 16-FEB-2011 05:40:12; Dark ; 47.0; 48; 30Alp Hya ; 1.98; 4100;occ; 94; 0;46873  
 17; 2165.0; 16-FEB-2011 05:47:28; Bright; 48.0; 22; 32Alp Leo ; 1.36; 15200;occ; 96; 0;46873  
 18; 2362.6; 16-FEB-2011 05:50:46; Bright; 45.0; 166; 17Eps Leo ; 2.98; 6000;occ; 90; 0;46873  
 19; 3067.9; 16-FEB-2011 06:02:31; Bright; 43.5; 82; 48Bet UMa ; 2.37; 10600;occ; 87; 0;46873  
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 3; 2160.8; 16-FEB-2011 20:49:30; Bright; 48.0; 22; 32Alp Leo ; 1.36; 15200;occ; 96; 0;46882  
 4; 2358.7; 16-FEB-2011 20:52:48; Bright; 47.0; 166; 17Eps Leo ; 2.98; 6000;occ; 94; 0;46882  
 5; 3061.7; 16-FEB-2011 21:04:31; Bright; 44.5; 82; 48Bet UMa ; 2.37; 10600;occ; 89; 0;46882  
 6; 3529.8; 16-FEB-2011 21:12:19; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;46882  
 7; 3819.6; 16-FEB-2011 21:17:09; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;46882  
 8; 4050.1; 16-FEB-2011 21:20:59; Bright; 42.5; 130; 23Bet Dra ; 2.80; 5800;occ; 85; 0;46882  
 9; 4309.6; 16-FEB-2011 21:25:19; Bright; 37.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 74; 0;46882  
 10; 4862.3; 16-FEB-2011 21:34:32; Bright; 50.0; 59; 55Alp Oph ; 2.08; 8900;occ; 100; 0;46882  
 11; 4999.9; 16-FEB-2011 21:36:49; Dark ; 50.5; 126; 60Bet Oph ; 2.77; 4250;occ; 101; 0;46882

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 2; -255.9; 16-FEB-2011 23:29:41; Dark ; 73.0; 16; 21Alp Sco ; 1.02; 3000;occ; 146; 0;46883  
 3; 97.5; 16-FEB-2011 23:35:35; Dark ; 47.5; 131; Gam Lup ; 2.80; 26000;occ; 95; 0;46884  
 4; 280.0; 16-FEB-2011 23:38:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46884  
 5; 403.1; 16-FEB-2011 23:40:40; Dark ; 45.0; 10; Bet Cen ; 0.61; 28000;occ; 90; 0;46884  
 6; 487.6; 16-FEB-2011 23:42:05; Dark ; 45.0; 77; Eps Cen ; 2.30; 28000;occ; 90; 0;46884  
 7; 628.4; 16-FEB-2011 23:44:26; Dark ; 59.0; 26; Gam Cru ; 1.62; 2900;occ; 118; 0;46884  
 8; 750.6; 16-FEB-2011 23:46:28; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;46884  
 9; 926.0; 16-FEB-2011 23:49:23; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;46884  
 10; 1729.0; 17-FEB-2011 00:02:46; Dark ; 48.0; 48; 30Alp Hya ; 1.98; 4100;occ; 96; 0;46884  
 11; 2160.0; 17-FEB-2011 00:09:57; Bright; 50.5; 22; 32Alp Leo ; 1.36; 15200;occ; 101; 0;46884  
 12; 2357.8; 17-FEB-2011 00:13:15; Bright; 43.5; 166; 17Eps Leo ; 2.98; 6000;occ; 87; 0;46884  
 13; 3060.5; 17-FEB-2011 00:24:58; Bright; 45.0; 82; 48Bet UMa ; 2.37; 10600;occ; 90; 0;46884  
 14; 3529.3; 17-FEB-2011 00:32:46; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;46884  
 15; 3819.0; 17-FEB-2011 00:37:36; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;46884  
 16; 4049.8; 17-FEB-2011 00:41:27; Bright; 41.0; 130; 23Bet Dra ; 2.80; 5800;occ; 82; 0;46884  
 17; 4309.8; 17-FEB-2011 00:45:47; Bright; 36.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 73; 0;46884  
 18; 4863.2; 17-FEB-2011 00:55:00; Bright; 49.5; 59; 55Alp Oph ; 2.08; 8900;occ; 99; 0;46884  
 19; 5001.2; 17-FEB-2011 00:57:18; Dark ; 55.0; 126; 60Bet Oph ; 2.77; 4250;occ; 110; 0;46884

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 2; -1962.6; 16-FEB-2011 06:18:55; Bright; 42.0; 130; 23Bet Dra ; 2.80; 5800;occ; 84; 0;46873  
 3; -1705.1; 16-FEB-2011 06:23:12; Bright; 39.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 79; 0;46873  
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 5; -1018.9; 16-FEB-2011 06:34:38; Dark ; 53.0; 126; 60Bet Oph ; 2.77; 4250;occ; 106; 0;46873  
 6; -573.9; 16-FEB-2011 06:42:03; Dark ; 49.5; 86; 35Eta Oph ; 2.43; 10200;occ; 99; 0;46873  
 7; -267.1; 16-FEB-2011 06:47:10; Dark ; 72.0; 16; 21Alp Sco ; 1.02; 3000;occ; 144; 0;46873  
 8; 87.0; 16-FEB-2011 06:53:04; Dark ; 48.0; 131; Gam Lup ; 2.80; 26000;occ; 96; 0;46874  
 9; 272.3; 16-FEB-2011 06:56:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46874  
 10; 396.9; 16-FEB-2011 06:58:14; Dark ; 42.0; 10; Bet Cen ; 0.61; 28000;occ; 84; 0;46874  
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 12; 565.8; 16-FEB-2011 07:01:03; Dark ; 48.5; 20; Bet Cru ; 1.25; 30000;occ; 97; 0;46874  
 13; 639.8; 16-FEB-2011 07:02:17; Dark ; 40.5; 129; Del Cru ; 2.79; 26000;occ; 81; 0;46874  
 14; 744.2; 16-FEB-2011 07:04:01; Dark ; 45.5; 99; Del Cen ; 2.58; 26000;occ; 91; 0;46874  
 15; 921.6; 16-FEB-2011 07:06:59; Dark ; 41.0; 113; Mu Vel ; 2.69; 5000;occ; 82; 0;46874

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 2; 2163.9; 16-FEB-2011 09:07:55; Bright; 51.0; 22; 32Alp Leo ; 1.36; 15200;occ; 102; 0;46875  
 3; 2361.6; 16-FEB-2011 09:11:13; Bright; 44.0; 166; 17Eps Leo ; 2.98; 6000;occ; 88; 0;46875  
 4; 3066.4; 16-FEB-2011 09:22:58; Bright; 48.5; 82; 48Bet UMa ; 2.37; 10600;occ; 97; 0;46875  
 5; 3532.0; 16-FEB-2011 09:30:43; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;46875  
 6; 3821.8; 16-FEB-2011 09:35:33; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;46875  
 7; 4051.1; 16-FEB-2011 09:39:22; Bright; 49.0; 130; 23Bet Dra ; 2.80; 5800;occ; 98; 0;46875  
 8; 4309.1; 16-FEB-2011 09:43:40; Bright; 38.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 76; 0;46875  
 9; 4858.9; 16-FEB-2011 09:52:50; Bright; 48.5; 59; 55Alp Oph ; 2.08; 8900;occ; 97; 0;46875

10; 4996.3; 16-FEB-2011 09:55:08; Dark ; 51.5; 126; 60Bet Oph ; 2.77; 4250;occ; 103; 0;46875  
 11; 5442.1; 16-FEB-2011 10:02:33; Dark ; 48.5; 86; 35Eta Oph ; 2.43; 10200;occ; 97; 0;46875  
 12; 5749.3; 16-FEB-2011 10:07:41; Dark ; 57.5; 16; 21Alp Sco ; 1.02; 3000;occ; 115; 0;46875  
 13; 6103.1; 16-FEB-2011 10:13:34; Dark ; 47.5; 131; Gam Lup ; 2.80; 26000;occ; 95; 0;46876  
 14; 6287.8; 16-FEB-2011 10:16:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46876  
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 16; 6495.5; 16-FEB-2011 10:20:07; Dark ; 45.0; 77; Eps Cen ; 2.30; 28000;occ; 90; 0;46876  
 17; 6580.7; 16-FEB-2011 10:21:32; Dark ; 42.5; 20; Bet Cru ; 1.25; 30000;occ; 85; 0;46876  
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 19; 6759.5; 16-FEB-2011 10:24:31; Dark ; 44.5; 99; Del Cen ; 2.58; 26000;occ; 89; 0;46876  
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 3; 2361.1; 16-FEB-2011 10:51:26; Bright; 44.5; 166; 17Eps Leo ; 2.98; 6000;occ; 89; 0;46876  
 4; 3065.7; 16-FEB-2011 11:03:11; Bright; 43.5; 82; 48Bet UMa ; 2.37; 10600;occ; 87; 0;46876  
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 7; 4051.0; 16-FEB-2011 11:19:36; Bright; 41.5; 130; 23Bet Dra ; 2.80; 5800;occ; 83; 0;46876  
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 11; 5443.0; 16-FEB-2011 11:42:48; Dark ; 52.5; 86; 35Eta Oph ; 2.43; 10200;occ; 105; 0;46876  
 12; 5750.3; 16-FEB-2011 11:47:55; Dark ; 71.0; 16; 21Alp Sco ; 1.02; 3000;occ; 142; 0;46876  
 13; 6104.2; 16-FEB-2011 11:53:49; Dark ; 50.0; 131; Gam Lup ; 2.80; 26000;occ; 100; 0;46877  
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 18; 6655.1; 16-FEB-2011 12:03:00; Dark ; 41.0; 129; Del Cru ; 2.79; 26000;occ; 82; 0;46877  
 19; 6760.2; 16-FEB-2011 12:04:45; Dark ; 46.0; 99; Del Cen ; 2.58; 26000;occ; 92; 0;46877  
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 5; 3531.4; 16-FEB-2011 12:51:10; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;46877  
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 15; 6413.4; 16-FEB-2011 13:39:12; Dark ; 44.0; 10; Bet Cen ; 0.61; 28000;occ; 88; 0;46878  
 16; 6581.9; 16-FEB-2011 13:42:01; Dark ; 42.0; 20; Bet Cru ; 1.25; 30000;occ; 84; 0;46878  
 17; 6760.9; 16-FEB-2011 13:45:00; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;46878  
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 3; 2360.4; 16-FEB-2011 14:11:53; Bright; 43.5; 166; 17Eps Leo ; 2.98; 6000;occ; 87; 0;46878  
 4; 3064.5; 16-FEB-2011 14:23:38; Bright; 44.0; 82; 48Bet UMa ; 2.37; 10600;occ; 88; 0;46878  
 5; 3531.0; 16-FEB-2011 14:31:24; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;46878  
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4; 3022.4; 21-FEB-2011 07:58:48; Bright; 42.0; 82; 48Bet UMa ; 2.37; 10600;occ; 84; 0;46946
5; 3509.4; 21-FEB-2011 08:06:55; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;46946
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7; 4040.1; 21-FEB-2011 08:15:46; Bright; 44.0; 130; 23Bet Dra ; 2.80; 5800;occ; 88; 0;46946

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11; 5042.8; 21-FEB-2011 16:53:38; Dark ; 56.0; 126; 60Bet Oph ; 2.77; 4250;occ; 112; 0;46951  
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4; 3018.9; 21-FEB-2011 18:00:09; Bright; 43.5; 82; 48Bet UMa ; 2.37; 10600;occ; 87; 0;46952

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 7; -401.4; 27-FEB-2011 05:01:35; Dark ; 59.0; 86; 35Eta Oph ; 2.43; 10200;occ; 118; 0;47030
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13; 697.9; 27-FEB-2011 05:19:54; Dark ; 33.0; 54; 5The Cen ; 2.06; 4500;occ; 66; 0;47031
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16; 2274.9; 27-FEB-2011 05:46:11; Bright; 44.5; 51; 41Gam1Leo ; 2.01; 4500;occ; 89; 0;47031
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5; 274.6; 27-FEB-2011 21:55:11; Dark ; 53.5; 131; Gam Lup ; 2.80; 26000;occ; 107; 0;47041
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9; 797.0; 27-FEB-2011 22:03:53; Dark ; 44.0; 64; Gam Cen ; 2.20; 10600;occ; 88; 0;47041
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19; 4770.6; 27-FEB-2011 23:10:07; Bright; 38.5; 168; 17Zet Aql ; 2.99; 11000;occ; 77; 0;47041
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9; -20.7; 27-FEB-2011 06:48:09; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;47031
10; 264.2; 27-FEB-2011 06:52:54; Dark ; 50.0; 131; Gam Lup ; 2.80; 26000;occ; 100; 0;47032
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12; 597.1; 27-FEB-2011 06:58:27; Dark ; 43.5; 77; Eps Cen ; 2.30; 28000;occ; 87; 0;47032
13; 699.0; 27-FEB-2011 07:00:09; Dark ; 33.0; 54; 5The Cen ; 2.06; 4500;occ; 66; 0;47032
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3; 2815.5; 27-FEB-2011 07:35:26; Bright; 46.5; 174; 52Psi UMa ; 3.00; 4400;occ; 93; 0;47032
4; 2976.1; 27-FEB-2011 07:38:06; Bright; 62.0; 82; 48Bet UMa ; 2.37; 10600;occ; 124; 0;47032
5; 3256.4; 27-FEB-2011 07:42:47; Bright; 50.5; 32; 77Eps UMa ; 1.76; 11000;occ; 101; 0;47032
6; 3481.0; 27-FEB-2011 07:46:31; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;47032
7; 3763.3; 27-FEB-2011 07:51:13; Bright; 45.0; 119; 14Eta Dra ; 2.73; 4700;occ; 90; 0;47032
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9; 4318.9; 27-FEB-2011 08:00:29; Bright; 41.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 82; 0;47032
10; 4767.9; 27-FEB-2011 08:07:58; Bright; 38.0; 168; 17Zet Aql ; 2.99; 11000;occ; 76; 0;47032
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13; 5615.1; 27-FEB-2011 08:22:05; Dark ; 58.5; 86; 35Eta Oph ; 2.43; 10200;occ; 117; 0;47032
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19; 6718.9; 27-FEB-2011 15:21:25; Dark ; 34.0; 54; 5The Cen ; 2.06; 4500;occ; 68; 0;47037
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