

# GOMOS Daily Report 02-JAN-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	03JAN2011 04:55:09
Data source version	GOMOS/5.01
Start time of products	02JAN2011 00:02:03
Stop time of products	02JAN2011 23:58:49
Store outputs in DB	Yes
Nb of level 1b prods	187
Nb of prods with errors	3

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

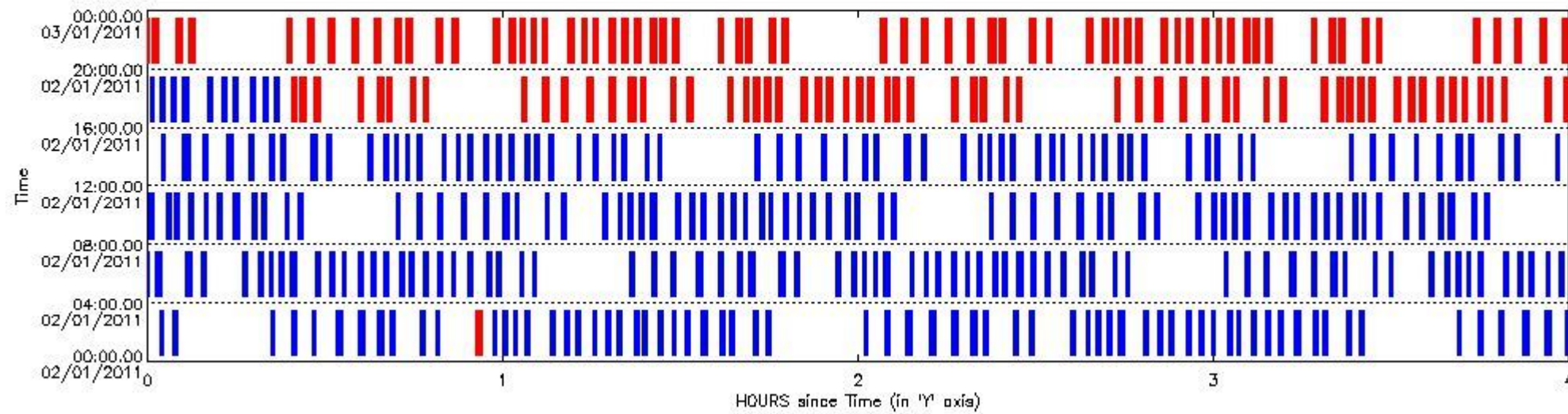
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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-JAN-2011 00:55:23	5TheCen	54	46223
02-JAN-2011 16:24:08	21EpsCMa	23	46233
02-JAN-2011 16:25:39	24Omi2CMa	179	46233
02-JAN-2011 16:28:04	9AlpCMa	1	46233
02-JAN-2011 16:35:30	58AlpOri	14	46233
02-JAN-2011 16:38:38	24GamGem	44	46233
02-JAN-2011 16:40:17	13MuGem	151	46233
02-JAN-2011 16:44:17	37TheAur	107	46233
02-JAN-2011 16:46:27	13AlpAur	6	46233
02-JAN-2011 17:03:00	7BetUMi	60	46233
02-JAN-2011 17:06:31	77EpsUMa	32	46233
02-JAN-2011 17:09:53	85EtaUMa	39	46233
02-JAN-2011 17:14:02	27GamBoo	180	46233
02-JAN-2011 17:17:48		83	46233
02-JAN-2011 17:21:09	16AlpBoo	3	46233

02-JAN-2011 17:23:06	24AlpSer	102	46233
02-JAN-2011 17:28:13	27BetLib	104	46233
02-JAN-2011 17:30:55	9Alp2Lib	122	46233
02-JAN-2011 17:37:50	5TheCen	54	46233
02-JAN-2011 17:40:33	ZetCen	95	46233
02-JAN-2011 17:42:16	EpsCen	77	46234
02-JAN-2011 17:44:07	GamCen	64	46234
02-JAN-2011 17:45:59	DSA1053	0	46234
02-JAN-2011 17:50:17	MuVel	113	46234
02-JAN-2011 17:52:42	lotCar	71	46234
02-JAN-2011 17:54:36	DelVel	46	46234
02-JAN-2011 17:57:26	Gam2Vel	34	46234
02-JAN-2011 17:59:36	ZetPup	70	46234
02-JAN-2011 18:01:37	PiPup	117	46234
02-JAN-2011 18:04:22	21EpsCMA	23	46234
02-JAN-2011 18:05:53	24Omi2CMA	179	46234
02-JAN-2011 18:08:18	9AlpCMA	1	46234
02-JAN-2011 18:15:44	58AlpOri	14	46234
02-JAN-2011 18:18:52	24GamGem	44	46234
02-JAN-2011 18:20:30	13MuGem	151	46234
02-JAN-2011 18:24:31	37TheAur	107	46234
02-JAN-2011 18:26:41	13AlpAur	6	46234
02-JAN-2011 18:43:14	7BetUMi	60	46234
02-JAN-2011 18:46:44	77EpsUMa	32	46234
02-JAN-2011 18:50:06	85EtaUMa	39	46234
02-JAN-2011 18:54:17	27GamBoo	180	46234
02-JAN-2011 18:58:02		83	46234
02-JAN-2011 19:01:23	16AlpBoo	3	46234
02-JAN-2011 19:03:21	24AlpSer	102	46234
02-JAN-2011 19:08:27	27BetLib	104	46234
02-JAN-2011 19:11:10	9Alp2Lib	122	46234
02-JAN-2011 19:18:05	5TheCen	54	46234
02-JAN-2011 19:20:47	ZetCen	95	46234
02-JAN-2011 19:22:30	EpsCen	77	46235
02-JAN-2011 19:24:21	GamCen	64	46235
02-JAN-2011 19:26:14	DSA1053	0	46235
02-JAN-2011 19:30:32	MuVel	113	46235
02-JAN-2011 19:32:56	lotCar	71	46235
02-JAN-2011 19:34:50	DelVel	46	46235
02-JAN-2011 19:37:40	Gam2Vel	34	46235
02-JAN-2011 19:39:51	ZetPup	70	46235
02-JAN-2011 19:41:51	PiPup	117	46235
02-JAN-2011 19:44:37	21EpsCMA	23	46235
02-JAN-2011 19:46:07	24Omi2CMA	179	46235
02-JAN-2011 19:48:32	9AlpCMA	1	46235
02-JAN-2011 19:55:58	58AlpOri	14	46235
02-JAN-2011 19:59:05	24GamGem	44	46235
02-JAN-2011 20:00:44	13MuGem	151	46235
02-JAN-2011 20:04:45	37TheAur	107	46235
02-JAN-2011 20:06:55	13AlpAur	6	46235
02-JAN-2011 20:23:28	7BetUMi	60	46235
02-JAN-2011 20:26:58	77EpsUMa	32	46235
02-JAN-2011 20:30:20	85EtaUMa	39	46235
02-JAN-2011 20:34:31	27GamBoo	180	46235
02-JAN-2011 20:38:16		83	46235
02-JAN-2011 20:41:38	16AlpBoo	3	46235
02-JAN-2011 20:43:35	24AlpSer	102	46235
02-JAN-2011 20:48:42	27BetLib	104	46235
02-JAN-2011 20:51:24	9Alp2Lib	122	46235

02-JAN-2011 20:58:20	5TheCen	54	46235
02-JAN-2011 21:01:02	ZetCen	95	46235
02-JAN-2011 21:02:45	EpsCen	77	46236
02-JAN-2011 21:04:36	GamCen	64	46236
02-JAN-2011 21:06:28	DSA1053	0	46236
02-JAN-2011 21:10:46	MuVel	113	46236
02-JAN-2011 21:13:11	lotCar	71	46236
02-JAN-2011 21:15:05	DelVel	46	46236
02-JAN-2011 21:17:55	Gam2Vel	34	46236
02-JAN-2011 21:20:05	ZetPup	70	46236
02-JAN-2011 21:22:06	PiPup	117	46236
02-JAN-2011 21:24:51	21EpsCMa	23	46236
02-JAN-2011 21:26:22	24Omi2CMa	179	46236
02-JAN-2011 21:28:35	2BetCMa	47	46236
02-JAN-2011 21:36:12	58AlpOri	14	46236
02-JAN-2011 21:39:19	24GamGem	44	46236
02-JAN-2011 21:40:58	13MuGem	151	46236
02-JAN-2011 21:44:58	37TheAur	107	46236
02-JAN-2011 21:47:08	13AlpAur	6	46236
02-JAN-2011 22:03:42	7BetUMi	60	46236
02-JAN-2011 22:07:11	77EpsUMa	32	46236
02-JAN-2011 22:10:34	85EtaUMa	39	46236
02-JAN-2011 22:14:45	27GamBoo	180	46236
02-JAN-2011 22:18:31		83	46236
02-JAN-2011 22:21:52	16AlpBoo	3	46236
02-JAN-2011 22:23:49	24AlpSer	102	46236
02-JAN-2011 22:28:56	27BetLib	104	46236
02-JAN-2011 22:31:39	9Alp2Lib	122	46236
02-JAN-2011 22:38:35	5TheCen	54	46236
02-JAN-2011 22:41:17	ZetCen	95	46236
02-JAN-2011 22:43:00	EpsCen	77	46237
02-JAN-2011 22:44:51	GamCen	64	46237
02-JAN-2011 22:46:43	DSA1053	0	46237
02-JAN-2011 22:51:01	MuVel	113	46237
02-JAN-2011 22:53:25	lotCar	71	46237
02-JAN-2011 22:55:19	DelVel	46	46237
02-JAN-2011 22:58:09	Gam2Vel	34	46237
02-JAN-2011 23:00:20	ZetPup	70	46237
02-JAN-2011 23:02:20	PiPup	117	46237
02-JAN-2011 23:05:05	21EpsCMa	23	46237
02-JAN-2011 23:06:36	24Omi2CMa	179	46237
02-JAN-2011 23:08:49	2BetCMa	47	46237
02-JAN-2011 23:16:26	58AlpOri	14	46237
02-JAN-2011 23:19:33	24GamGem	44	46237
02-JAN-2011 23:21:12	13MuGem	151	46237
02-JAN-2011 23:25:12	37TheAur	107	46237
02-JAN-2011 23:27:22	13AlpAur	6	46237
02-JAN-2011 23:43:56	7BetUMi	60	46237
02-JAN-2011 23:47:25	77EpsUMa	32	46237
02-JAN-2011 23:50:48	85EtaUMa	39	46237
02-JAN-2011 23:54:59	27GamBoo	180	46237
02-JAN-2011 23:58:45		83	46237

#### 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_1PNPDE20110102_000203_000000393098_00088_46223_0911.N1	02-JAN-2011 00:02:03	Bright	38.500	107	37The Aur	2.6490	11000.	77	46223	No
2	GOM_TRA_1PNPDE20110102_000411_000000443098_00088_46223_0912.N1	02-JAN-2011 00:04:11	Bright	43.500	6	13Alp Aur	0.080000	3400.0	87	46223	No

3	GOM_TRA_1PNPDE20110102_002045_000000383098_00088_46223_0913.N1	02-JAN-2011 00:20:45	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	46223	No
4	GOM_TRA_1PNPDE20110102_002419_000000483098_00088_46223_0914.N1	02-JAN-2011 00:24:19	Bright	48.000	32	77Eps UMa	1.7630	11000.	96	46223	No
5	GOM_TRA_1PNPDE20110102_002739_000000473098_00088_46223_0915.N1	02-JAN-2011 00:27:39	Bright	46.500	39	85Eta UMa	1.8540	24000.	93	46223	No
6	GOM_TRA_1PNPDE20110102_003146_000000633098_00088_46223_0916.N1	02-JAN-2011 00:31:46	Bright	63.000	180	27Gam Boo	3.0400	8000.0	126	46223	No
7	GOM_TRA_1PNPDE20110102_003529_000000633098_00088_46223_0917.N1	02-JAN-2011 00:35:29	Bright	63.000	83		2.3780	11000.	126	46223	No
8	GOM_TRA_1PNPDE20110102_003848_000000553098_00088_46223_0918.N1	02-JAN-2011 00:38:48	Bright	55.000	3	16Alp Boo	-0.050000	4250.0	110	46223	No
9	GOM_TRA_1PNPDE20110102_004047_000000553098_00088_46223_0919.N1	02-JAN-2011 00:40:47	Bright	55.000	102	24Alp Ser	2.6000	4250.0	110	46223	No
10	GOM_TRA_1PNPDE20110102_004552_000000573098_00088_46223_0919.N1	02-JAN-2011 00:45:52	Bright	57.000	104	27Bet Lib	2.6140	13100.	114	46223	Yes
11	GOM_TRA_1PNPDE20110102_004833_000000463098_00088_46223_0920.N1	02-JAN-2011 00:48:33	Tw_i_and_stray	46.000	122	9Alp2Lib	2.7470	9700.0	92	46223	No
12	GOM_TRA_1PNPDE20110102_005810_000000413098_00088_46223_0921.N1	02-JAN-2011 00:58:10	Dark	40.500	95	Zet Cen	2.5450	26000.	81	46223	No
13	GOM_TRA_1PNPDE20110102_005954_000000413098_00089_46224_0922.N1	02-JAN-2011 00:59:54	Dark	41.000	77	Eps Cen	2.3030	28000.	82	46224	No
14	GOM_TRA_1PNPDE20110102_010142_000000443098_00089_46224_0923.N1	02-JAN-2011 01:01:42	Dark	43.500	64	Gam Cen	2.2000	10600.	87	46224	No
15	GOM_TRA_1PNPDE20110102_010752_000000503098_00089_46224_0924.N1	02-JAN-2011 01:07:52	Dark	50.000	113	Mu Vel	2.6920	5000.0	100	46224	No
16	GOM_TRA_1PNPDE20110102_011020_000000423098_00089_46224_0925.N1	02-JAN-2011 01:10:20	Dark	41.500	71	Iot Car	2.2460	7700.0	83	46224	No
17	GOM_TRA_1PNPDE20110102_011214_000000413098_00089_46224_0926.N1	02-JAN-2011 01:12:14	Dark	40.500	46	Del Vel	1.9540	10600.	81	46224	No
18	GOM_TRA_1PNPDE20110102_011504_000000463098_00089_46224_0927.N1	02-JAN-2011 01:15:04	Dark	46.000	34	Gam2Vel	1.7930	23000.	92	46224	No
19	GOM_TRA_1PNPDE20110102_011715_000000483098_00089_46224_0928.N1	02-JAN-2011 01:17:15	Dark	47.500	70	Zet Pup	2.2460	39000.	95	46224	No
20	GOM_TRA_1PNPDE20110102_011917_000000483098_00089_46224_0929.N1	02-JAN-2011 01:19:17	Dark	48.000	117	Pi Pup	2.7060	3800.0	96	46224	No
21	GOM_TRA_1PNPDE20110102_012203_000000463098_00089_46224_0930.N1	02-JAN-2011 01:22:03	Straylight	46.000	23	21Eps CMa	1.5020	26000.	92	46224	No
22	GOM_TRA_1PNPDE20110102_012335_000000463098_00089_46224_0931.N1	02-JAN-2011 01:23:35	Straylight	45.500	179	24Omi2CMa	3.0320	24000.	91	46224	No
23	GOM_TRA_1PNPDE20110102_012601_000000503098_00089_46224_0932.N1	02-JAN-2011 01:26:01	Straylight	49.500	1	9Alp CMa	-1.4400	11000.	99	46224	No
24	GOM_TRA_1PNPDE20110102_012830_000000433098_00089_46224_0933.N1	02-JAN-2011 01:28:30	Straylight	43.000	56	53Kap Ori	2.0650	30000.	86	46224	No
25	GOM_TRA_1PNPDE20110102_013045_000000443098_00089_46224_0934.N1	02-JAN-2011 01:30:45	Straylight	44.000	33	50Zet Ori	1.7660	30000.	88	46224	No
26	GOM_TRA_1PNPDE20110102_013328_000000553098_00089_46224_0935.N1	02-JAN-2011 01:33:28	Tw_i_and_stray	55.000	14	58Alp Ori	0.87000	3000.0	110	46224	No
27	GOM_TRA_1PNPDE20110102_013639_000000463098_00089_46224_0936.N1	02-JAN-2011 01:36:39	Bright	46.000	44	24Gam Gem	1.9280	11000.	92	46224	No
28	GOM_TRA_1PNPDE20110102_013817_000000503098_00089_46224_0937.N1	02-JAN-2011 01:38:17	Bright	50.000	151	13Mu Gem	2.8900	3000.0	100	46224	No
29	GOM_TRA_1PNPDE20110102_014217_000000393098_00089_46224_0938.N1	02-JAN-2011 01:42:17	Bright	38.500	107	37The Aur	2.6490	11000.	77	46224	No
30	GOM_TRA_1PNPDE20110102_014425_000000423098_00089_46224_0939.N1	02-JAN-2011 01:44:25	Bright	41.500	6	13Alp Aur	0.080000	3400.0	83	46224	No
31	GOM_TRA_1PNPDE20110102_020059_000000343098_00089_46224_0940.N1	02-JAN-2011 02:00:59	Bright	34.000	60	7Bet UMi	2.0810	3950.0	68	46224	No
32	GOM_TRA_1PNPDE20110102_020432_000000483098_00089_46224_0941.N1	02-JAN-2011 02:04:32	Bright	47.500	32	77Eps UMa	1.7630	11000.	95	46224	No
33	GOM_TRA_1PNPDE20110102_020752_000000653098_00089_46224_0942.N1	02-JAN-2011 02:07:52	Bright	64.500	39	85Eta UMa	1.8540	24000.	129	46224	No
34	GOM_TRA_1PNPDE20110102_021200_000000593098_00089_46224_0943.N1	02-JAN-2011 02:12:00	Bright	59.000	180	27Gam Boo	3.0400	8000.0	118	46224	No
35	GOM_TRA_1PNPDE20110102_021544_000000633098_00089_46224_0944.N1	02-JAN-2011 02:15:44	Bright	63.000	83		2.3780	11000.	126	46224	No
36	GOM_TRA_1PNPDE20110102_021903_000000553098_00089_46224_0945.N1	02-JAN-2011 02:19:03	Bright	55.000	3	16Alp Boo	-0.050000	4250.0	110	46224	No
37	GOM_TRA_1PNPDE20110102_022101_000000553098_00089_46224_0946.N1	02-JAN-2011 02:21:01	Bright	54.500	102	24Alp Ser	2.6000	4250.0	109	46224	No
38	GOM_TRA_1PNPDE20110102_022606_000000573098_00089_46224_0940.N1	02-JAN-2011 02:26:06	Bright	57.000	104	27Bet Lib	2.6140	13100.	114	46224	No
39	GOM_TRA_1PNPDE20110102_022847_000000483098_00089_46224_0941.N1	02-JAN-2011 02:28:47	Tw_i_and_stray	47.500	122	9Alp2Lib	2.7470	9700.0	95	46224	No
40	GOM_TRA_1PNPDE20110102_023541_000000543098_00089_46224_0942.N1	02-JAN-2011 02:35:41	Dark	54.000	54	5The Cen	2.0550	4500.0	108	46224	No
41	GOM_TRA_1PNPDE20110102_023825_000000413098_00089_46224_0943.N1	02-JAN-2011 02:38:25	Dark	40.500	95	Zet Cen	2.5450	26000.	81	46224	No
42	GOM_TRA_1PNPDE20110102_024008_000000403098_00090_46225_0944.N1	02-JAN-2011 02:40:08	Dark	39.500	77	Eps Cen	2.3030	28000.	79	46225	No
43	GOM_TRA_1PNPDE20110102_024157_000000463098_00090_46225_0945.N1	02-JAN-2011 02:41:57	Dark	46.000	64	Gam Cen	2.2000	10600.	92	46225	No
44	GOM_TRA_1PNPDE20110102_024807_000000483098_00090_46225_0946.N1	02-JAN-2011 02:48:07	Dark	48.000	113	Mu Vel	2.6920	5000.0	96	46225	No
45	GOM_TRA_1PNPDE20110102_025035_000000413098_00090_46225_0947.N1	02-JAN-2011 02:50:35	Dark	40.500	71	Iot Car	2.2460	7700.0	81	46225	No
46	GOM_TRA_1PNPDE20110102_025229_000000443098_00090_46225_0948.N1	02-JAN-2011 02:52:29	Dark	44.000	46	Del Vel	1.9540	10600.	88	46225	No
47	GOM_TRA_1PNPDE20110102_025519_000000443098_00090_46225_0949.N1	02-JAN-2011 02:55:19	Dark	43.500	34	Gam2Vel	1.7930	23000.	87	46225	No
48	GOM_TRA_1PNPDE20110102_025730_000000483098_00090_46225_0950.N1	02-JAN-2011 02:57:30	Dark	47.500	70	Zet Pup	2.2460	39000.	95	46225	No
49	GOM_TRA_1PNPDE20110102_025931_000000453098_00090_46225_0951.N1	02-JAN-2011 02:59:31	Dark	45.000	117	Pi Pup	2.7060	3800.0	90	46225	No
50	GOM_TRA_1PNPDE20110102_030218_000000473098_00090_46225_0952.N1	02-JAN-2011 03:02:18	Straylight	47.000	23	21Eps CMa	1.5020	26000.	94	46225	No
51	GOM_TRA_1PNPDE20110102_030349_000000453098_00090_46225_0953.N1	02-JAN-2011 03:03:49	Straylight	44.500	179	24Omi2CMa	3.0320	24000.	89	46225	No
52	GOM_TRA_1PNPDE20110102_030615_000000563098_00090_46225_0954.N1	02-JAN-2011 03:06:15	Straylight	55.500	1	9Alp CMa	-1.4400	11000.	111	46225	No
53	GOM_TRA_1PNPDE20110102_030844_000000433098_00090_46225_0955.N1	02-JAN-2011 03:08:44	Straylight	42.500	56	53Kap Ori	2.0650	30000.	85	46225	No
54	GOM_TRA_1PNPDE20110102_031059_000000453098_00090_46225_0956.N1	02-JAN-2011 03:10:59	Straylight	44.500	33	50Zet Ori	1.7660	30000.	89	46225	No
55	GOM_TRA_1PNPDE20110102_031342_000000493098_00090_46225_0957.N1	02-JAN-2011 03:13:42	Tw_i_and_stray	49.000	14	58Alp Ori	0.87000	3000.0	98	46225	No
56	GOM_TRA_1PNPDE20110102_031652_000000493098_00090_46225_0958.N1	02-JAN-2011 03:16:52	Bright	49.000	44	24Gam Gem	1.9280	11000.	98	46225	No
57	GOM_TRA_1PNPDE20110102_031831_000000493098_00090_46225_0959.N1	02-JAN-2011 03:18:31	Bright	49.000	151	13Mu Gem	2.8900	3000.0	98	46225	No
58	GOM_TRA_1PNPDE20110102_032231_000000393098_00090_46225_0960.N1	02-JAN-2011 03:22:31	Bright	39.000	107	37The Aur	2.6490	11000.	78	46225	No
59	GOM_TRA_1PNPDE20110102_032439_000000383098_00090_46225_0961.N1	02-JAN-2011 03:24:39	Bright	38.000	6	13Alp Aur	0.080000	3400.0	76	46225	No
60	GOM_TRA_1PNPDE20110102_034113_000000363098_00090_46225_0964.N1	02-JAN-2011 03:41:13	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	46225	No
61	GOM_TRA_1PNPDE20110102_034446_000000473098_00090_46225_0965.N1	02-JAN-2011 03:44:46	Bright	47.000	32	77Eps UMa	1.7630	11000.	94	46225	No

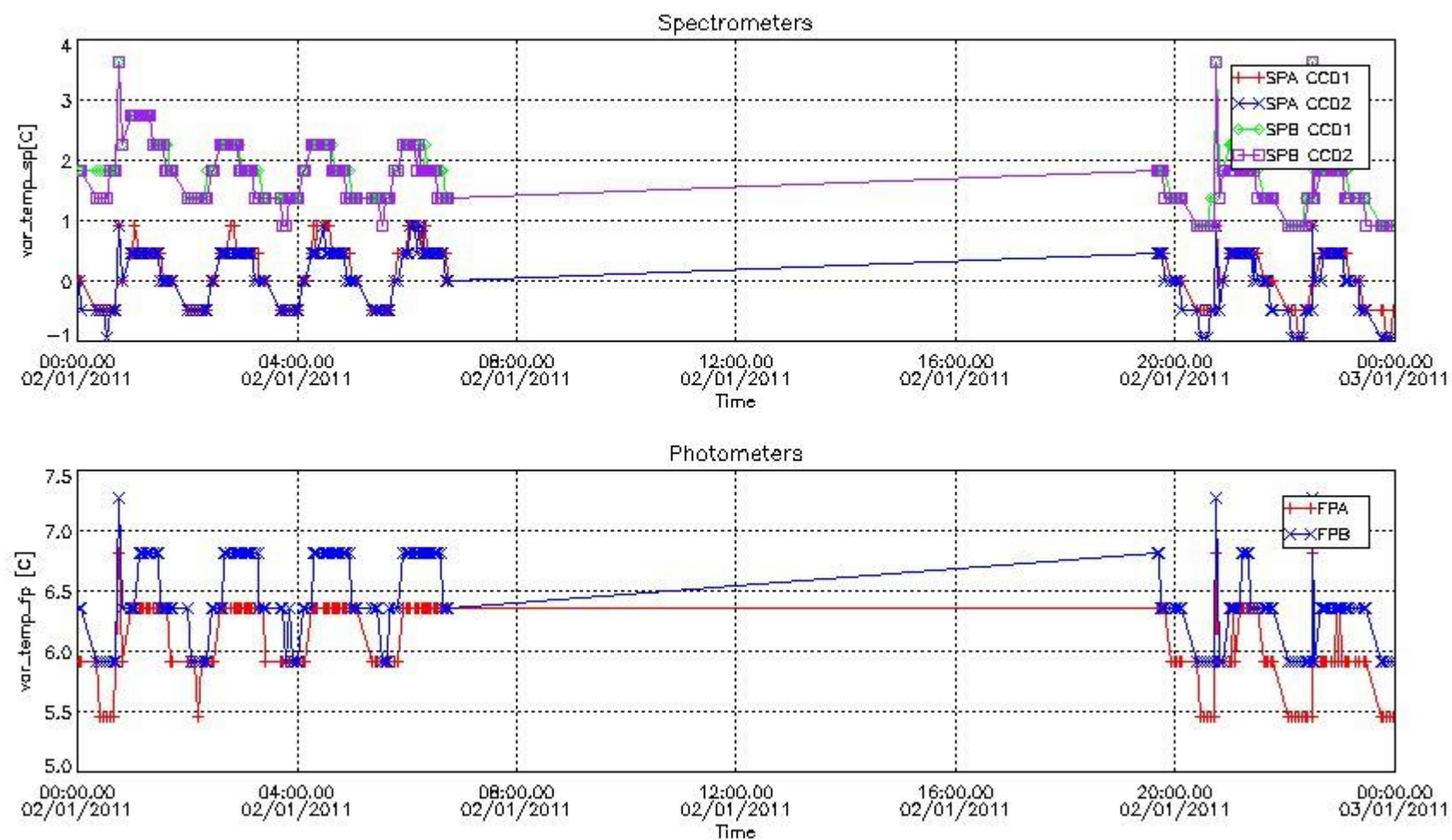


62	GOM_TRA_1PNPDE20110102_034806_000000463098_00090_46225_0966.N1	02-JAN-2011 03:48:06	Bright	46.000	39	85Eta UMa	1.8540	24000.	92	46225	No
63	GOM_TRA_1PNPDE20110102_035214_000000633098_00090_46225_0967.N1	02-JAN-2011 03:52:14	Bright	63.000	180	27Gam Boo	3.0400	8000.0	126	46225	No
64	GOM_TRA_1PNPDE20110102_035558_000000633098_00090_46225_0968.N1	02-JAN-2011 03:55:58	Bright	63.000	83		2.3780	11000.	126	46225	No
65	GOM_TRA_1PNPDE20110102_035917_000000563098_00090_46225_0969.N1	02-JAN-2011 03:59:17	Bright	55.500	3	16Alp Boo	-0.050000	4250.0	111	46225	No
66	GOM_TRA_1PNPDE20110102_040116_000000553098_00090_46225_0970.N1	02-JAN-2011 04:01:16	Bright	55.000	102	24Alp Ser	2.6000	4250.0	110	46225	No
67	GOM_TRA_1PNPDE20110102_040621_000000573098_00090_46225_0971.N1	02-JAN-2011 04:06:21	Bright	57.000	104	27Bet Lib	2.6140	13100.	114	46225	No
68	GOM_TRA_1PNPDE20110102_040902_000000463098_00090_46225_0972.N1	02-JAN-2011 04:09:02	Twilight	46.000	122	9Alp2Lib	2.7470	9700.0	92	46225	No
69	GOM_TRA_1PNPDE20110102_041556_000000553098_00090_46225_0973.N1	02-JAN-2011 04:15:56	Dark	54.500	54	5The Cen	2.0550	4500.0	109	46225	No
70	GOM_TRA_1PNPDE20110102_041840_000000413098_00090_46225_0974.N1	02-JAN-2011 04:18:40	Dark	40.500	95	Zet Cen	2.5450	26000.	81	46225	No
71	GOM_TRA_1PNPDE20110102_042023_000000423098_00091_46226_0975.N1	02-JAN-2011 04:20:23	Dark	41.500	77	Eps Cen	2.3030	28000.	83	46226	No
72	GOM_TRA_1PNPDE20110102_042212_000000443098_00091_46226_0976.N1	02-JAN-2011 04:22:12	Dark	44.000	64	Gam Cen	2.2000	10600.	88	46226	No
73	GOM_TRA_1PNPDE20110102_042821_000000473098_00091_46226_0977.N1	02-JAN-2011 04:28:21	Dark	47.000	113	Mu Vel	2.6920	5000.0	94	46226	No
74	GOM_TRA_1PNPDE20110102_043049_000000413098_00091_46226_0978.N1	02-JAN-2011 04:30:49	Dark	41.000	71	lot Car	2.2460	7700.0	82	46226	No
75	GOM_TRA_1PNPDE20110102_043243_000000433098_00091_46226_0979.N1	02-JAN-2011 04:32:43	Dark	42.500	46	Del Vel	1.9540	10600.	85	46226	No
76	GOM_TRA_1PNPDE20110102_043534_000000443098_00091_46226_0980.N1	02-JAN-2011 04:35:34	Dark	43.500	34	Gam2Vel	1.7930	23000.	87	46226	No
77	GOM_TRA_1PNPDE20110102_043744_000000463098_00091_46226_0981.N1	02-JAN-2011 04:37:44	Dark	45.500	70	Zet Pup	2.2460	39000.	91	46226	No
78	GOM_TRA_1PNPDE20110102_043946_000000463098_00091_46226_0982.N1	02-JAN-2011 04:39:46	Dark	46.000	117	Pi Pup	2.7060	3800.0	92	46226	No
79	GOM_TRA_1PNPDE20110102_044232_000000483098_00091_46226_0983.N1	02-JAN-2011 04:42:32	Straylight	48.000	23	21Eps CMa	1.5020	26000.	96	46226	No
80	GOM_TRA_1PNPDE20110102_044403_000000463098_00091_46226_0984.N1	02-JAN-2011 04:44:03	Straylight	45.500	179	24Omi2CMa	3.0320	24000.	91	46226	No
81	GOM_TRA_1PNPDE20110102_044629_000000563098_00091_46226_0985.N1	02-JAN-2011 04:46:29	Straylight	55.500	1	9Alp CMa	-1.4400	11000.	111	46226	No
82	GOM_TRA_1PNPDE20110102_044858_000000443098_00091_46226_0986.N1	02-JAN-2011 04:48:58	Straylight	43.500	56	53Kap Ori	2.0650	30000.	87	46226	No
83	GOM_TRA_1PNPDE20110102_045113_000000443098_00091_46226_0987.N1	02-JAN-2011 04:51:13	Straylight	44.000	33	50Zet Ori	1.7660	30000.	88	46226	No
84	GOM_TRA_1PNPDE20110102_045356_000000503098_00091_46226_0988.N1	02-JAN-2011 04:53:56	Twilight	50.000	14	58Alp Ori	0.87000	3000.0	100	46226	No
85	GOM_TRA_1PNPDE20110102_045706_000000513098_00091_46226_0989.N1	02-JAN-2011 04:57:06	Bright	50.500	44	24Gam Gem	1.9280	11000.	101	46226	No
86	GOM_TRA_1PNPDE20110102_045844_000000503098_00091_46226_0990.N1	02-JAN-2011 04:58:44	Bright	50.000	151	13Mu Gem	2.8900	3000.0	100	46226	No
87	GOM_TRA_1PNPDE20110102_050244_000000383098_00091_46226_0991.N1	02-JAN-2011 05:02:44	Bright	38.000	107	37The Aur	2.6490	11000.	76	46226	No
88	GOM_TRA_1PNPDE20110102_050453_000000403098_00091_46226_0992.N1	02-JAN-2011 05:04:53	Bright	39.500	6	13Alp Aur	0.080000	3400.0	79	46226	No
89	GOM_TRA_1PNPDE20110102_052127_000000393098_00091_46226_0983.N1	02-JAN-2011 05:21:27	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	46226	No
90	GOM_TRA_1PNPDE20110102_052459_000000493098_00091_46226_0984.N1	02-JAN-2011 05:24:59	Bright	48.500	32	77Eps UMa	1.7630	11000.	97	46226	No
91	GOM_TRA_1PNPDE20110102_052820_000000463098_00091_46226_0985.N1	02-JAN-2011 05:28:20	Bright	46.000	39	85Eta UMa	1.8540	24000.	92	46226	No
92	GOM_TRA_1PNPDE20110102_053228_000000633098_00091_46226_0986.N1	02-JAN-2011 05:32:28	Bright	63.000	180	27Gam Boo	3.0400	8000.0	126	46226	No
93	GOM_TRA_1PNPDE20110102_053612_000000633098_00091_46226_0987.N1	02-JAN-2011 05:36:12	Bright	63.000	83		2.3780	11000.	126	46226	No
94	GOM_TRA_1PNPDE20110102_053932_000000553098_00091_46226_0988.N1	02-JAN-2011 05:39:32	Bright	55.000	3	16Alp Boo	-0.050000	4250.0	110	46226	No
95	GOM_TRA_1PNPDE20110102_054130_000000553098_00091_46226_0989.N1	02-JAN-2011 05:41:30	Bright	55.000	102	24Alp Ser	2.6000	4250.0	110	46226	No
96	GOM_TRA_1PNPDE20110102_054635_000000573098_00091_46226_0990.N1	02-JAN-2011 05:46:35	Bright	56.500	104	27Bet Lib	2.6140	13100.	113	46226	No
97	GOM_TRA_1PNPDE20110102_054917_000000463098_00091_46226_0991.N1	02-JAN-2011 05:49:17	Twilight	46.000	122	9Alp2Lib	2.7470	9700.0	92	46226	No
98	GOM_TRA_1PNPDE20110102_055611_000000443098_00091_46226_0992.N1	02-JAN-2011 05:56:11	Dark	43.500	54	5The Cen	2.0550	4500.0	87	46226	No
99	GOM_TRA_1PNPDE20110102_055854_000000413098_00091_46226_0993.N1	02-JAN-2011 05:58:54	Dark	41.000	95	Zet Cen	2.5450	26000.	82	46226	No
100	GOM_TRA_1PNPDE20110102_060038_000000423098_00092_46227_0994.N1	02-JAN-2011 06:00:38	Dark	41.500	77	Eps Cen	2.3030	28000.	83	46227	No
101	GOM_TRA_1PNPDE20110102_060227_000000443098_00092_46227_0995.N1	02-JAN-2011 06:02:27	Dark	44.000	64	Gam Cen	2.2000	10600.	88	46227	No
102	GOM_TRA_1PNPDE20110102_060837_000000483098_00092_46227_0996.N1	02-JAN-2011 06:08:37	Dark	47.500	113	Mu Vel	2.6920	5000.0	95	46227	No
103	GOM_TRA_1PNPDE20110102_061104_000000453098_00092_46227_0997.N1	02-JAN-2011 06:11:04	Dark	44.500	71	lot Car	2.2460	7700.0	89	46227	No
104	GOM_TRA_1PNPDE20110102_061258_000000473098_00092_46227_0998.N1	02-JAN-2011 06:12:58	Dark	46.500	46	Del Vel	1.9540	10600.	93	46227	No
105	GOM_TRA_1PNPDE20110102_061548_000000443098_00092_46227_0999.N1	02-JAN-2011 06:15:48	Dark	43.500	34	Gam2Vel	1.7930	23000.	87	46227	No
106	GOM_TRA_1PNPDE20110102_061759_000000463098_00092_46227_1000.N1	02-JAN-2011 06:17:59	Dark	46.000	70	Zet Pup	2.2460	39000.	92	46227	No
107	GOM_TRA_1PNPDE20110102_062001_000000493098_00092_46227_1001.N1	02-JAN-2011 06:20:01	Dark	49.000	117	Pi Pup	2.7060	3800.0	98	46227	No
108	GOM_TRA_1PNPDE20110102_062246_000000453098_00092_46227_1002.N1	02-JAN-2011 06:22:46	Straylight	45.000	23	21Eps CMa	1.5020	26000.	90	46227	No
109	GOM_TRA_1PNPDE20110102_062418_000000453098_00092_46227_1003.N1	02-JAN-2011 06:24:18	Straylight	45.000	179	24Omi2CMa	3.0320	24000.	90	46227	No
110	GOM_TRA_1PNPDE20110102_062643_000000563098_00092_46227_1004.N1	02-JAN-2011 06:26:43	Straylight	55.500	1	9Alp CMa	-1.4400	11000.	111	46227	No
111	GOM_TRA_1PNPDE20110102_062912_000000443098_00092_46227_1005.N1	02-JAN-2011 06:29:12	Straylight	44.000	56	53Kap Ori	2.0650	30000.	88	46227	No
112	GOM_TRA_1PNPDE20110102_063128_000000443098_00092_46227_1006.N1	02-JAN-2011 06:31:28	Straylight	44.000	33	50Zet Ori	1.7660	30000.	88	46227	No
113	GOM_TRA_1PNPDE20110102_063410_000000503098_00092_46227_1007.N1	02-JAN-2011 06:34:10	Twilight	50.000	14	58Alp Ori	0.87000	3000.0	100	46227	No
114	GOM_TRA_1PNPDE20110102_063720_000000503098_00092_46227_1008.N1	02-JAN-2011 06:37:20	Bright	50.000	44	24Gam Gem	1.9280	11000.	100	46227	No
115	GOM_TRA_1PNPDE20110102_063858_000000523098_00092_46227_1009.N1	02-JAN-2011 06:38:58	Bright	51.500	151	13Mu Gem	2.8900	3000.0	103	46227	No
116	GOM_TRA_1PNPDE20110102_064258_000000393098_00092_46227_1010.N1	02-JAN-2011 06:42:58	Bright	39.000	107	37The Aur	2.6490	11000.	78	46227	No
117	GOM_TRA_1PNPDE20110102_064507_000000423098_00092_46227_1011.N1	02-JAN-2011 06:45:07	Bright	41.500	6	13Alp Aur	0.080000	3400.0	83	46227	No
118	GOM_TRA_1PNPDE20110102_193955_000000483098_00100_46235_1085.N1	02-JAN-2011 19:39:55	Dark	47.500	70	Zet Pup	2.2460	39000.	95	46235	No
119	GOM_TRA_1PNPDE20110102_194156_000000543098_00100_46235_1086.N1	02-JAN-2011 19:41:56	Dark	54.000	117	Pi Pup	2.7060	3800.0	108	46235	No
120	GOM_TRA_1PNPDE20110102_194441_000000483098_00100_46235_1087.N1	02-JAN-2011 19:44:41	Straylight	48.000	23	21Eps CMa	1.5020	26000.	96	46235	No

121	GOM_TRA_1PNPDE20110102_194611_000000453098_00100_46235_1088.N1	02-JAN-2011 19:46:11	Straylight	44.500	179	24Omi2CMa	3.0320	24000.	89	46235	No
122	GOM_TRA_1PNPDE20110102_194837_000000553098_00100_46235_1089.N1	02-JAN-2011 19:48:37	Straylight	55.000	1	9Alp CMa	-1.4400	11000.	110	46235	No
123	GOM_TRA_1PNPDE20110102_195602_000000553098_00100_46235_1090.N1	02-JAN-2011 19:56:02	Twilight_stray	55.000	14	58Alp Ori	0.87000	3000.0	110	46235	No
124	GOM_TRA_1PNPDE20110102_195910_000000533098_00100_46235_1091.N1	02-JAN-2011 19:59:10	Bright	52.500	44	24Gam Gem	1.9280	11000.	105	46235	No
125	GOM_TRA_1PNPDE20110102_200048_000000483098_00100_46235_1092.N1	02-JAN-2011 20:00:48	Bright	48.000	151	13Mu Gem	2.8900	3000.0	96	46235	No
126	GOM_TRA_1PNPDE20110102_200449_000000393098_00100_46235_1093.N1	02-JAN-2011 20:04:49	Bright	39.000	107	37The Aur	2.6490	11000.	78	46235	No
127	GOM_TRA_1PNPDE20110102_200659_000000393098_00100_46235_1094.N1	02-JAN-2011 20:06:59	Bright	39.000	6	13Alp Aur	0.080000	3400.0	78	46235	No
128	GOM_TRA_1PNPDE20110102_202332_000000393098_00100_46235_1095.N1	02-JAN-2011 20:23:32	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	46235	No
129	GOM_TRA_1PNPDE20110102_202702_000000503098_00100_46235_1096.N1	02-JAN-2011 20:27:02	Bright	49.500	32	77Eps UMa	1.7630	11000.	99	46235	No
130	GOM_TRA_1PNPDE20110102_203024_000000463098_00100_46235_1097.N1	02-JAN-2011 20:30:24	Bright	46.000	39	85Eta UMa	1.8540	24000.	92	46235	No
131	GOM_TRA_1PNPDE20110102_203435_000000643098_00100_46235_1098.N1	02-JAN-2011 20:34:35	Bright	64.000	180	27Gam Boo	3.0400	8000.0	128	46235	No
132	GOM_TRA_1PNPDE20110102_203820_000000453098_00100_46235_1099.N1	02-JAN-2011 20:38:20	Bright	44.500	83		2.3780	11000.	89	46235	No
133	GOM_TRA_1PNPDE20110102_204142_000000563098_00100_46235_1100.N1	02-JAN-2011 20:41:42	Bright	56.000	3	16Alp Boo	-0.050000	4250.0	112	46235	No
134	GOM_TRA_1PNPDE20110102_204339_000000383098_00100_46235_1102.N1	02-JAN-2011 20:43:39	Bright	37.500	102	24Alp Ser	2.6000	4250.0	75	46235	Yes
135	GOM_TRA_1PNPDE20110102_204846_000000573098_00100_46235_1103.N1	02-JAN-2011 20:48:46	Bright	57.000	104	27Bet Lib	2.6140	13100.	114	46235	No
136	GOM_TRA_1PNPDE20110102_205129_000000453098_00100_46235_1104.N1	02-JAN-2011 20:51:29	Twilight_stray	44.500	122	9Alp2Lib	2.7470	9700.0	89	46235	No
137	GOM_TRA_1PNPDE20110102_205824_000000483098_00100_46235_1105.N1	02-JAN-2011 20:58:24	Dark	48.000	54	5The Cen	2.0550	4500.0	96	46235	No
138	GOM_TRA_1PNPDE20110102_210106_000000413098_00100_46235_1106.N1	02-JAN-2011 21:01:06	Dark	41.000	95	Zet Cen	2.5450	26000.	82	46235	No
139	GOM_TRA_1PNPDE20110102_210249_000000413098_00101_46236_1107.N1	02-JAN-2011 21:02:49	Dark	40.500	77	Eps Cen	2.3030	28000.	81	46236	No
140	GOM_TRA_1PNPDE20110102_210440_000000453098_00101_46236_1108.N1	02-JAN-2011 21:04:40	Dark	45.000	64	Gam Cen	2.2000	10600.	90	46236	No
141	GOM_TRA_1PNPDE20110102_211050_000000483098_00101_46236_1109.N1	02-JAN-2011 21:10:50	Dark	48.000	113	Mu Vel	2.6920	5000.0	96	46236	No
142	GOM_TRA_1PNPDE20110102_211315_000000473098_00101_46236_1110.N1	02-JAN-2011 21:13:15	Dark	47.000	71	1ot Car	2.2460	7700.0	94	46236	No
143	GOM_TRA_1PNPDE20110102_211509_000000463098_00101_46236_1111.N1	02-JAN-2011 21:15:09	Dark	45.500	46	Del Vel	1.9540	10600.	91	46236	No
144	GOM_TRA_1PNPDE20110102_211759_000000453098_00101_46236_1112.N1	02-JAN-2011 21:17:59	Dark	45.000	34	Gam2Vel	1.7930	23000.	90	46236	No
145	GOM_TRA_1PNPDE20110102_212009_000000493098_00101_46236_1113.N1	02-JAN-2011 21:20:09	Dark	49.000	70	Zet Pup	2.2460	39000.	98	46236	No
146	GOM_TRA_1PNPDE20110102_212210_000000533098_00101_46236_1114.N1	02-JAN-2011 21:22:10	Dark	52.500	117	Pi Pup	2.7060	3800.0	105	46236	No
147	GOM_TRA_1PNPDE20110102_212455_000000513098_00101_46236_1115.N1	02-JAN-2011 21:24:55	Straylight	50.500	23	21Eps CMa	1.5020	26000.	101	46236	No
148	GOM_TRA_1PNPDE20110102_212626_000000453098_00101_46236_1116.N1	02-JAN-2011 21:26:26	Straylight	45.000	179	24Omi2CMa	3.0320	24000.	90	46236	No
149	GOM_TRA_1PNPDE20110102_212839_000000453098_00101_46236_1117.N1	02-JAN-2011 21:28:39	Straylight	44.500	47	2Bet CMa	1.9760	28000.	89	46236	No
150	GOM_TRA_1PNPDE20110102_213616_000000553098_00101_46236_1118.N1	02-JAN-2011 21:36:16	Twilight_stray	54.500	14	58Alp Ori	0.87000	3000.0	109	46236	No
151	GOM_TRA_1PNPDE20110102_213923_000000493098_00101_46236_1119.N1	02-JAN-2011 21:39:23	Bright	48.500	44	24Gam Gem	1.9280	11000.	97	46236	No
152	GOM_TRA_1PNPDE20110102_214102_000000493098_00101_46236_1120.N1	02-JAN-2011 21:41:02	Bright	49.000	151	13Mu Gem	2.8900	3000.0	98	46236	No
153	GOM_TRA_1PNPDE20110102_214503_000000393098_00101_46236_1121.N1	02-JAN-2011 21:45:03	Bright	39.000	107	37The Aur	2.6490	11000.	78	46236	No
154	GOM_TRA_1PNPDE20110102_214713_000000413098_00101_46236_1122.N1	02-JAN-2011 21:47:13	Bright	40.500	6	13Alp Aur	0.080000	3400.0	81	46236	No
155	GOM_TRA_1PNPDE20110102_220346_000000363098_00101_46236_1123.N1	02-JAN-2011 22:03:46	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	46236	No
156	GOM_TRA_1PNPDE20110102_220715_000000623098_00101_46236_1124.N1	02-JAN-2011 22:07:15	Bright	62.000	32	77Eps UMa	1.7630	11000.	124	46236	No
157	GOM_TRA_1PNPDE20110102_221038_000000683098_00101_46236_1125.N1	02-JAN-2011 22:10:38	Bright	68.000	39	85Eta UMa	1.8540	24000.	136	46236	No
158	GOM_TRA_1PNPDE20110102_221449_000000643098_00101_46236_1126.N1	02-JAN-2011 22:14:49	Bright	64.000	180	27Gam Boo	3.0400	8000.0	128	46236	No
159	GOM_TRA_1PNPDE20110102_221835_000000643098_00101_46236_1127.N1	02-JAN-2011 22:18:35	Bright	64.000	83		2.3780	11000.	128	46236	No
160	GOM_TRA_1PNPDE20110102_222156_000000563098_00101_46236_1128.N1	02-JAN-2011 22:21:56	Bright	56.000	3	16Alp Boo	-0.050000	4250.0	112	46236	No
161	GOM_TRA_1PNPDE20110102_222353_000000373098_00101_46236_1129.N1	02-JAN-2011 22:23:53	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	46236	No
162	GOM_TRA_1PNPDE20110102_222900_000000573098_00101_46236_1130.N1	02-JAN-2011 22:29:00	Bright	56.500	104	27Bet Lib	2.6140	13100.	113	46236	No
163	GOM_TRA_1PNPDE20110102_222900_000000573098_00101_46236_1132.N1	02-JAN-2011 22:29:00	Bright	57.000	104	27Bet Lib	2.6140	13100.	114	46236	Yes
164	GOM_TRA_1PNPDE20110102_223143_000000433098_00101_46236_1133.N1	02-JAN-2011 22:31:43	Twilight_stray	42.500	122	9Alp2Lib	2.7470	9700.0	85	46236	No
165	GOM_TRA_1PNPDE20110102_223839_000000503098_00101_46236_1134.N1	02-JAN-2011 22:38:39	Dark	49.500	54	5The Cen	2.0550	4500.0	99	46236	No
166	GOM_TRA_1PNPDE20110102_224121_000000423098_00101_46236_1135.N1	02-JAN-2011 22:41:21	Dark	42.000	95	Zet Cen	2.5450	26000.	84	46236	No
167	GOM_TRA_1PNPDE20110102_224304_000000413098_00102_46237_1136.N1	02-JAN-2011 22:43:04	Dark	41.000	77	Eps Cen	2.3030	28000.	82	46237	No
168	GOM_TRA_1PNPDE20110102_224455_000000453098_00102_46237_1137.N1	02-JAN-2011 22:44:55	Dark	44.500	64	Gam Cen	2.2000	10600.	89	46237	No
169	GOM_TRA_1PNPDE20110102_225105_000000473098_00102_46237_1138.N1	02-JAN-2011 22:51:05	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	46237	No
170	GOM_TRA_1PNPDE20110102_225329_000000413098_00102_46237_1139.N1	02-JAN-2011 22:53:29	Dark	41.000	71	1ot Car	2.2460	7700.0	82	46237	No
171	GOM_TRA_1PNPDE20110102_225523_000000413098_00102_46237_1140.N1	02-JAN-2011 22:55:23	Dark	41.000	46	Del Vel	1.9540	10600.	82	46237	No
172	GOM_TRA_1PNPDE20110102_225813_000000453098_00102_46237_1141.N1	02-JAN-2011 22:58:13	Dark	45.000	34	Gam2Vel	1.7930	23000.	90	46237	No
173	GOM_TRA_1PNPDE20110102_230024_000000473098_00102_46237_1142.N1	02-JAN-2011 23:00:24	Dark	47.000	70	Zet Pup	2.2460	39000.	94	46237	No
174	GOM_TRA_1PNPDE20110102_230224_000000563098_00102_46237_1143.N1	02-JAN-2011 23:02:24	Dark	55.500	117	Pi Pup	2.7060	3800.0	111	46237	No
175	GOM_TRA_1PNPDE20110102_230509_000000463098_00102_46237_1144.N1	02-JAN-2011 23:05:09	Straylight	45.500	23	21Eps CMa	1.5020	26000.	91	46237	No
176	GOM_TRA_1PNPDE20110102_230640_000000403098_00102_46237_1145.N1	02-JAN-2011 23:06:40	Straylight	39.500	179	24Omi2CMa	3.0320	24000.	79	46237	No
177	GOM_TRA_1PNPDE20110102_230853_000000373098_00102_46237_1146.N1	02-JAN-2011 23:08:53	Straylight	37.000	47	2Bet CMa	1.9760	28000.	74	46237	No
178	GOM_TRA_1PNPDE20110102_231630_000000533098_00102_46237_1147.N1	02-JAN-2011 23:16:30	Twilight_stray	53.000	14	58Alp Ori	0.87000	3000.0	106	46237	No
179	GOM_TRA_1PNPDE20110102_231937_000000493098_00102_46237_1148.N1	02-JAN-2011 23:19:37	Bright	49.000	44	24Gam Gem	1.9280	11000.	98	46237	No

180	GOM_TRA_1PNPDE20110102_232116_000000473098_00102_46237_1149.N1	02-JAN-2011 23:21:16	Bright	46.500	151	13Mu Gem	2.8900	3000.0	93	46237	No
181	GOM_TRA_1PNPDE20110102_232516_000000383098_00102_46237_1150.N1	02-JAN-2011 23:25:16	Bright	37.500	107	37The Aur	2.6490	11000.	75	46237	No
182	GOM_TRA_1PNPDE20110102_232727_000000413098_00102_46237_1151.N1	02-JAN-2011 23:27:27	Bright	40.500	6	13Alp Aur	0.080000	3400.0	81	46237	No
183	GOM_TRA_1PNPDE20110102_234400_000000363098_00102_46237_1152.N1	02-JAN-2011 23:44:00	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	46237	No
184	GOM_TRA_1PNPDE20110102_234729_000000473098_00102_46237_1153.N1	02-JAN-2011 23:47:29	Bright	46.500	32	77Eps UMa	1.7630	11000.	93	46237	No
185	GOM_TRA_1PNPDE20110102_235052_000000683098_00102_46237_1154.N1	02-JAN-2011 23:50:52	Bright	68.000	39	85Eta UMa	1.8540	24000.	136	46237	No
186	GOM_TRA_1PNPDE20110102_235503_000000643098_00102_46237_1155.N1	02-JAN-2011 23:55:03	Bright	64.000	180	27Gam Boo	3.0400	8000.0	128	46237	No
187	GOM_TRA_1PNPDE20110102_235849_000000643098_00102_46237_1156.N1	02-JAN-2011 23:58:49	Bright	64.000	83		2.3780	11000.	128	46237	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.

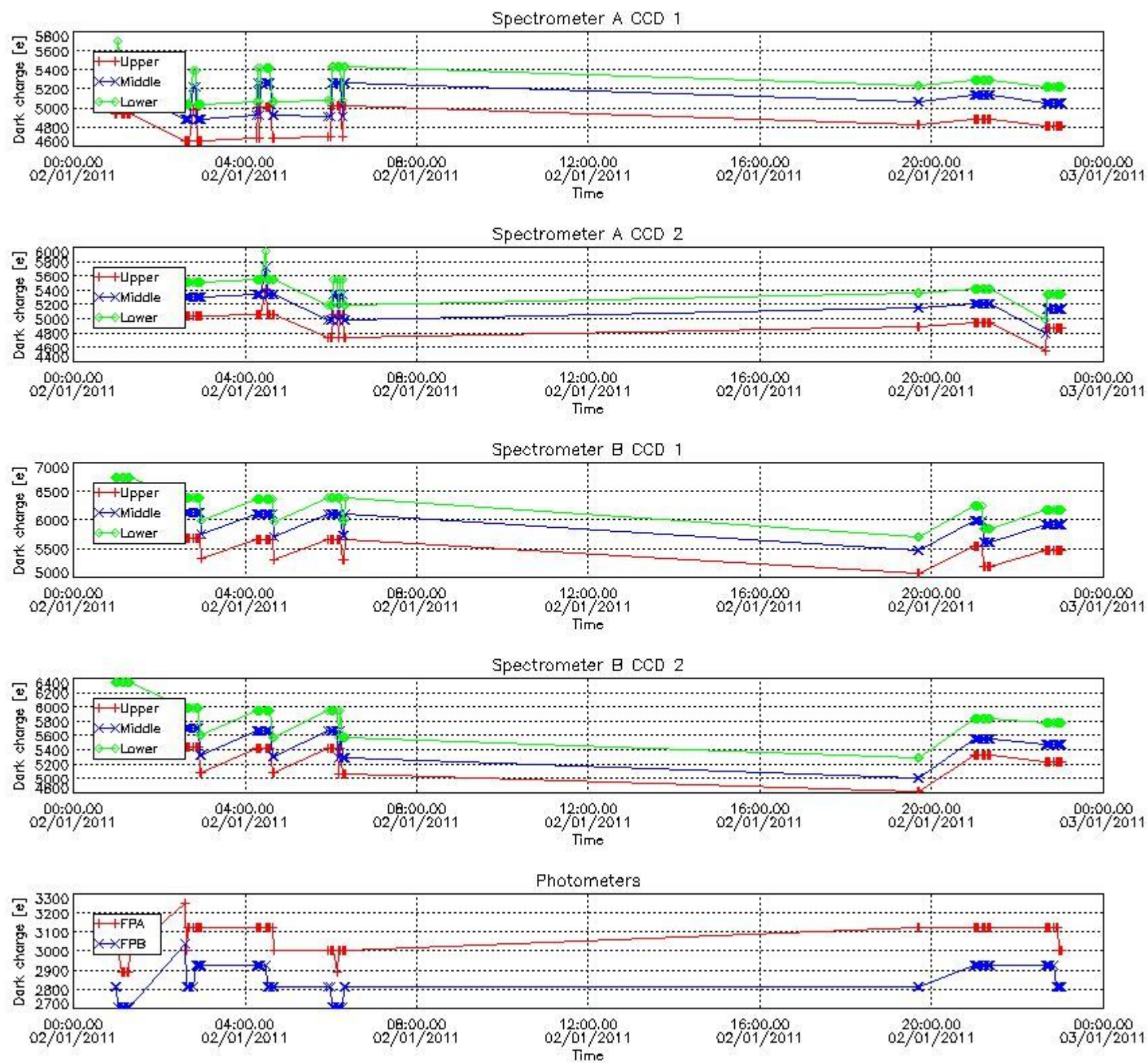
#### 4.1 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDE20110102_193955_000000483098_00100_46235_1085.N1	DC map used
GOM_TRA_1PNPDE20110102_194156_000000543098_00100_46235_1086.N1	DC map used



GOM_TRA_1PNPDE20110102_194441_000000483098_00100_46235_1087.N1	DC map used
GOM_TRA_1PNPDE20110102_194611_000000453098_00100_46235_1088.N1	DC map used
GOM_TRA_1PNPDE20110102_194837_000000553098_00100_46235_1089.N1	DC map used
GOM_TRA_1PNPDE20110102_195602_000000553098_00100_46235_1090.N1	DC map used
GOM_TRA_1PNPDE20110102_195910_000000533098_00100_46235_1091.N1	DC map used
GOM_TRA_1PNPDE20110102_200048_000000483098_00100_46235_1092.N1	DC map used
GOM_TRA_1PNPDE20110102_200449_000000393098_00100_46235_1093.N1	DC map used
GOM_TRA_1PNPDE20110102_200659_000000393098_00100_46235_1094.N1	DC map used
GOM_TRA_1PNPDE20110102_202332_000000393098_00100_46235_1095.N1	DC map used
GOM_TRA_1PNPDE20110102_202702_000000503098_00100_46235_1096.N1	DC map used
GOM_TRA_1PNPDE20110102_203024_000000463098_00100_46235_1097.N1	DC map used
GOM_TRA_1PNPDE20110102_203435_000000643098_00100_46235_1098.N1	DC map used
GOM_TRA_1PNPDE20110102_203820_000000453098_00100_46235_1099.N1	DC map used
GOM_TRA_1PNPDE20110102_204142_000000563098_00100_46235_1100.N1	DC map used

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



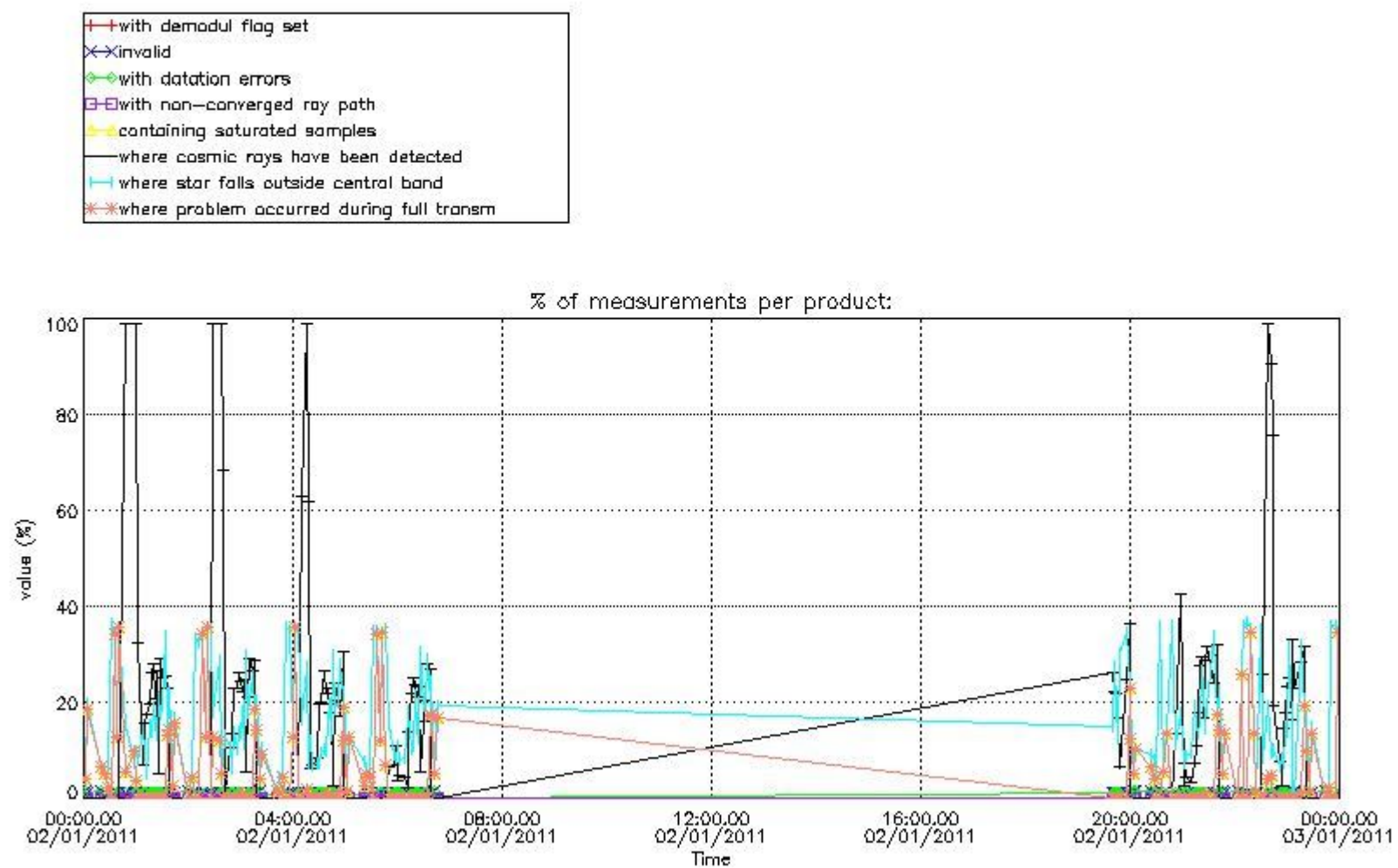
## 5. Demodulation flag and quality information monitoring

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:

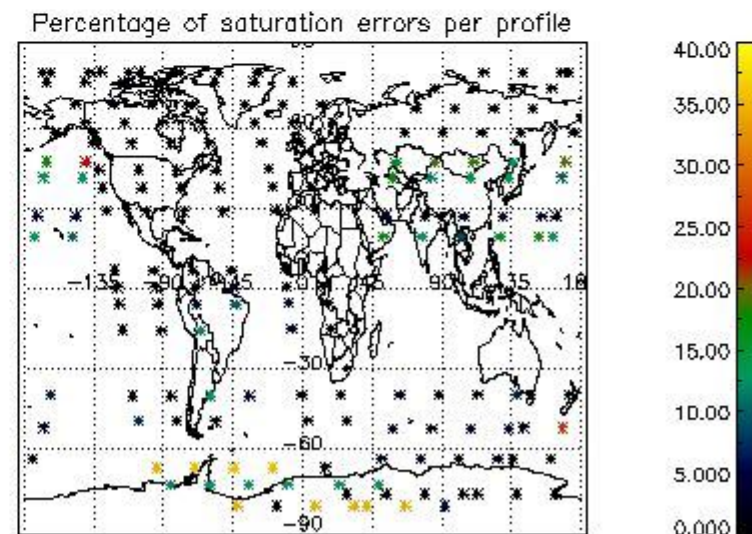
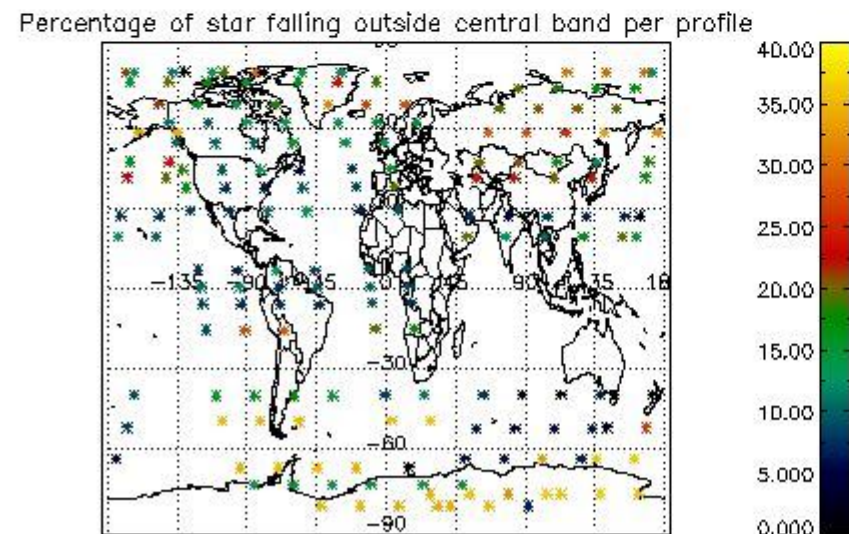
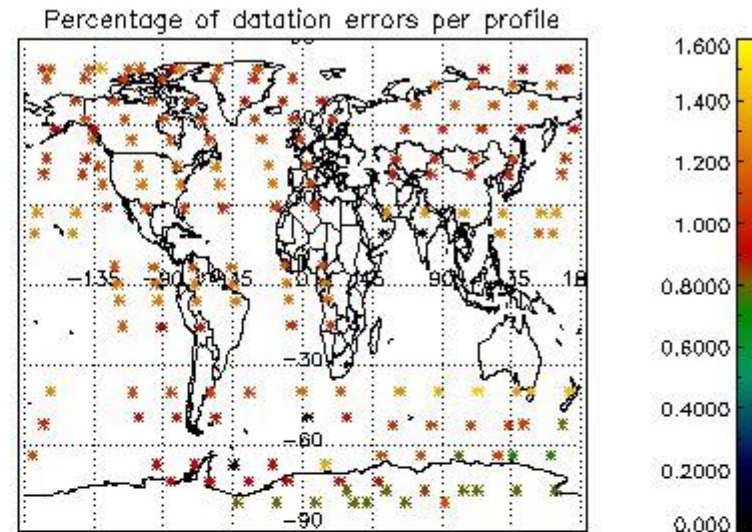
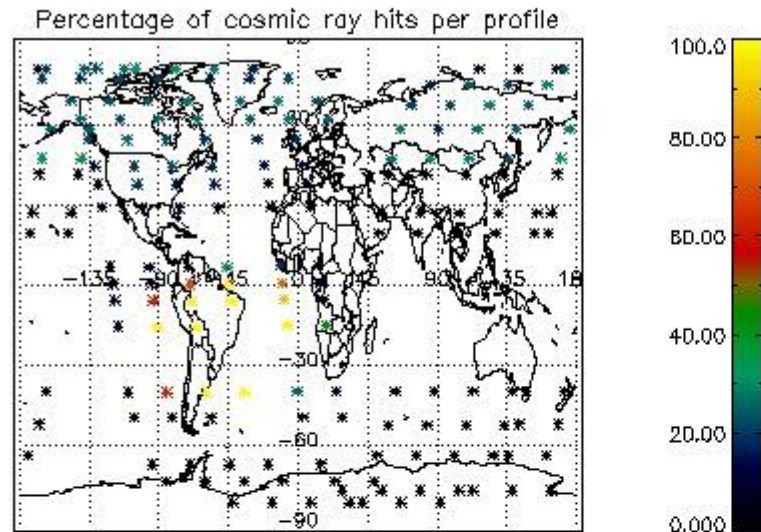
At least one measurement with demodulation flag set:	51.6304 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

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)

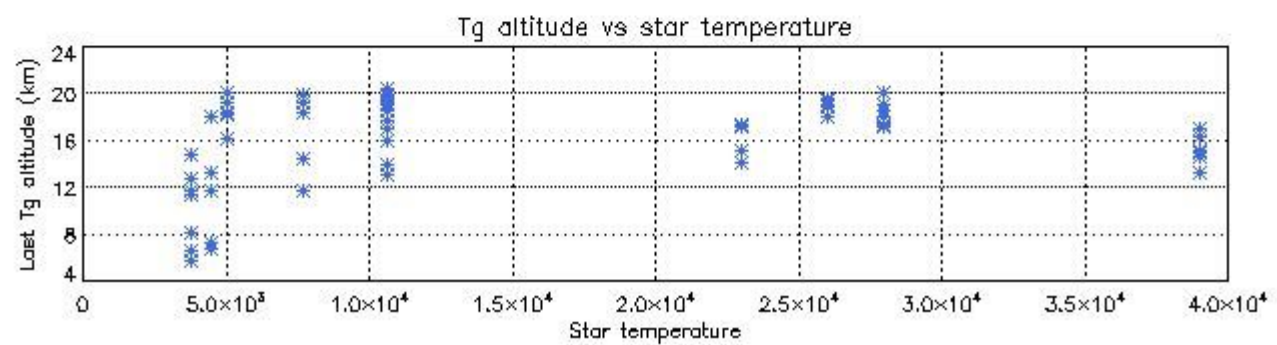
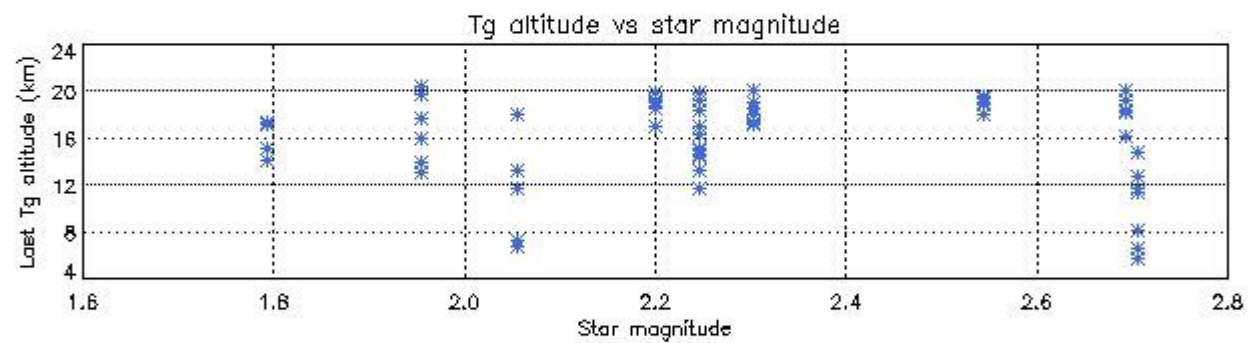
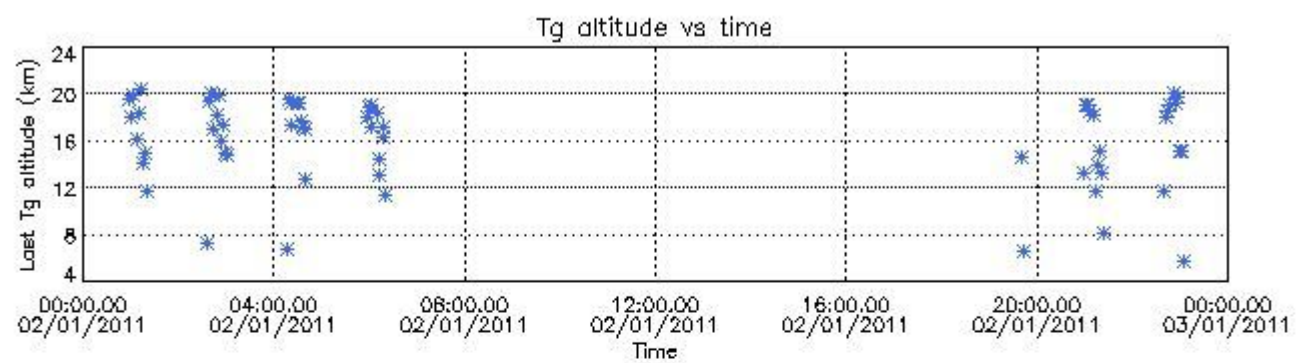
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	16.078	13.254	NaN
St. deviation:	3.7131	7.3498	NaN
Maximum:	20.358	29.166	NaN
Minimum:	5.6351	3.5578	NaN
Number of data:	61.000	81.000	NaN

### 6.2 Plot for DARK limb products

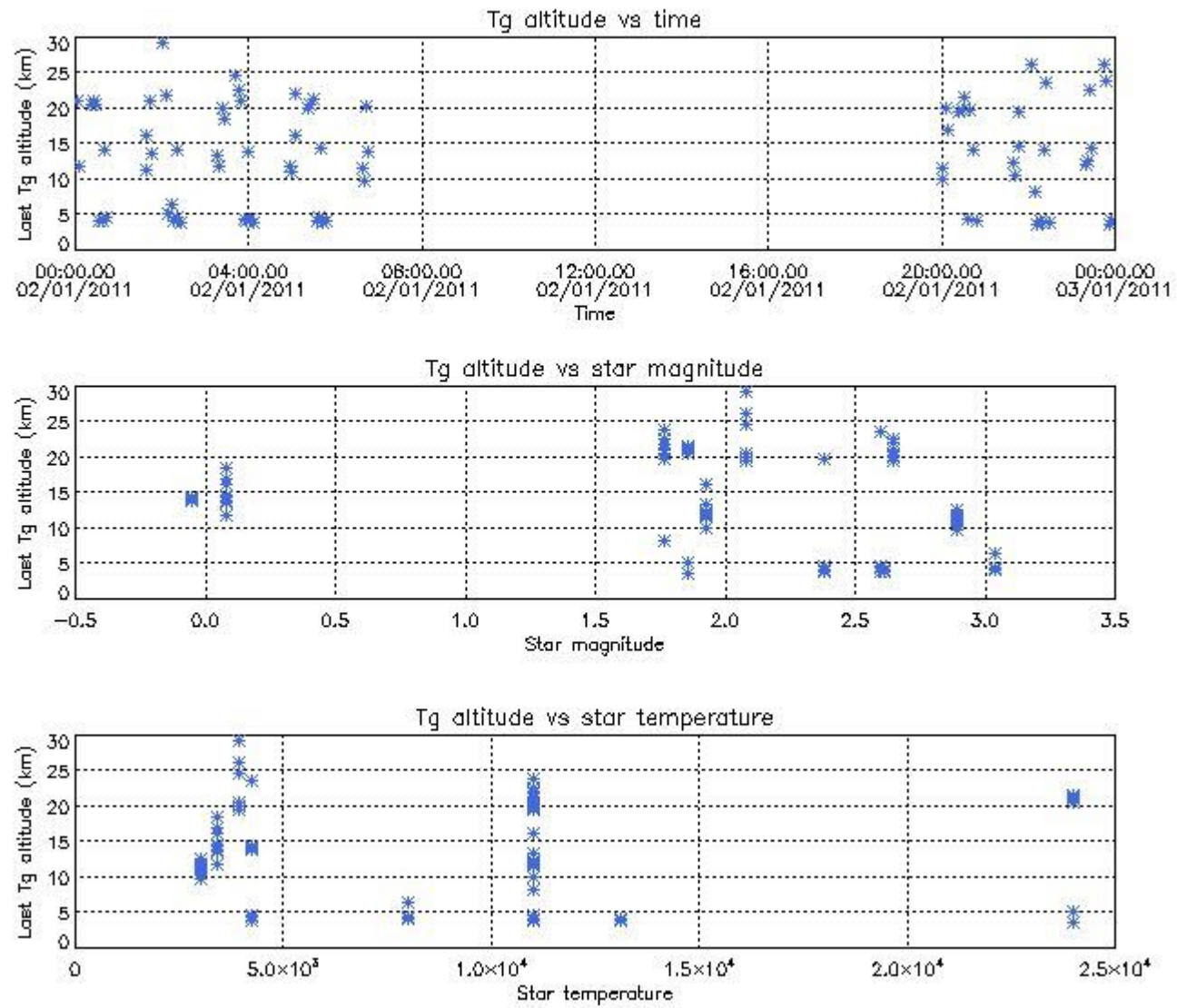


Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost

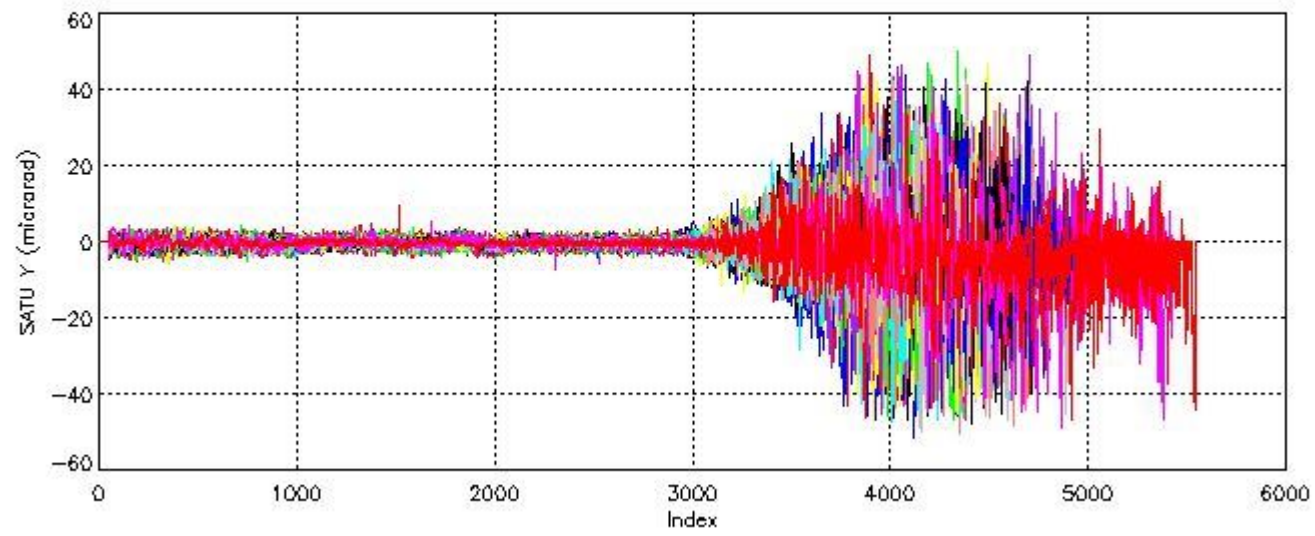
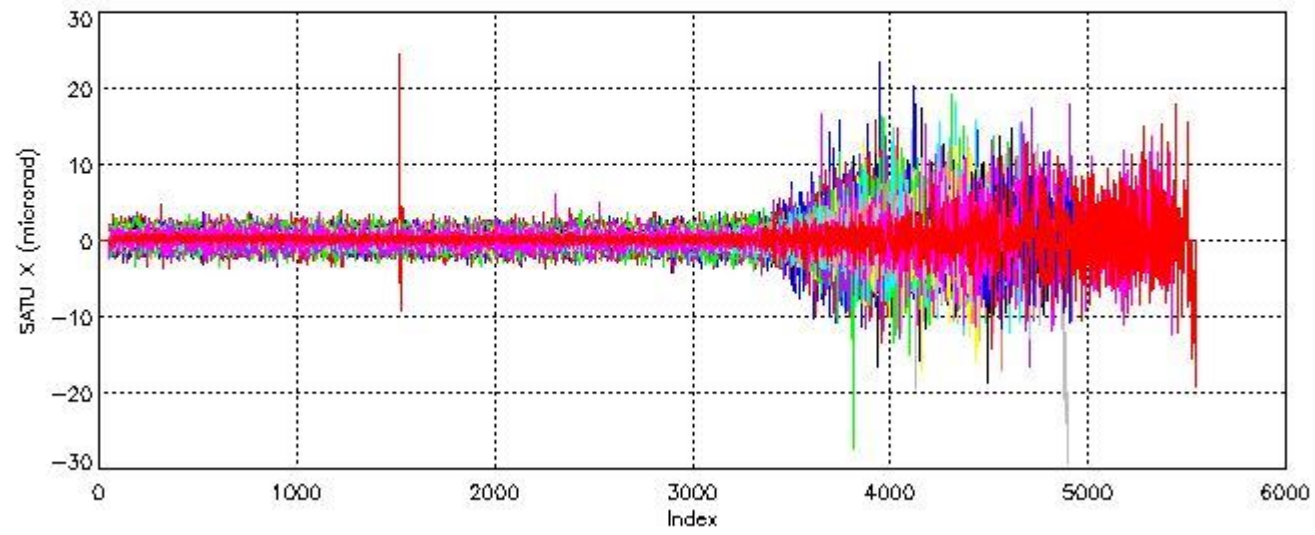


## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.20924	-0.36807	0.15000	-0.32229
St. deviation:	0.62407	0.98997	0.65355	0.97711
Maximum:	4.7000	4.2000	6.4000	5.1000
Minimum:	-3.8000	-5.6000	-5.6000	-7.4000

Number of data:	62600.	62600.	80600.	80600.
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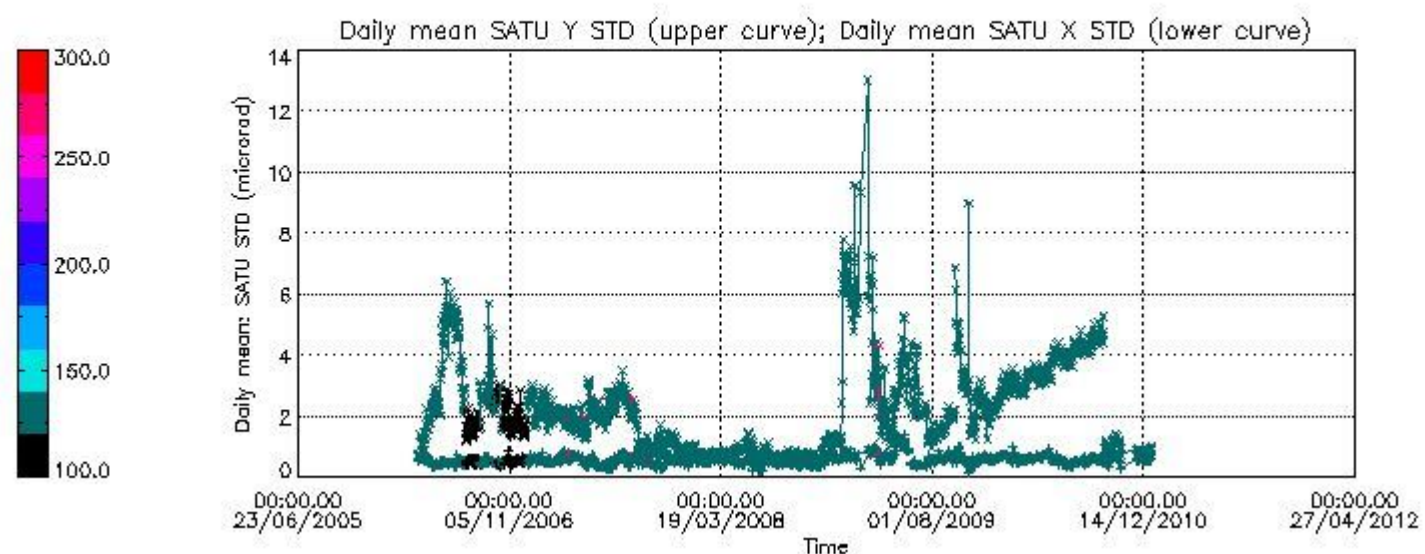
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

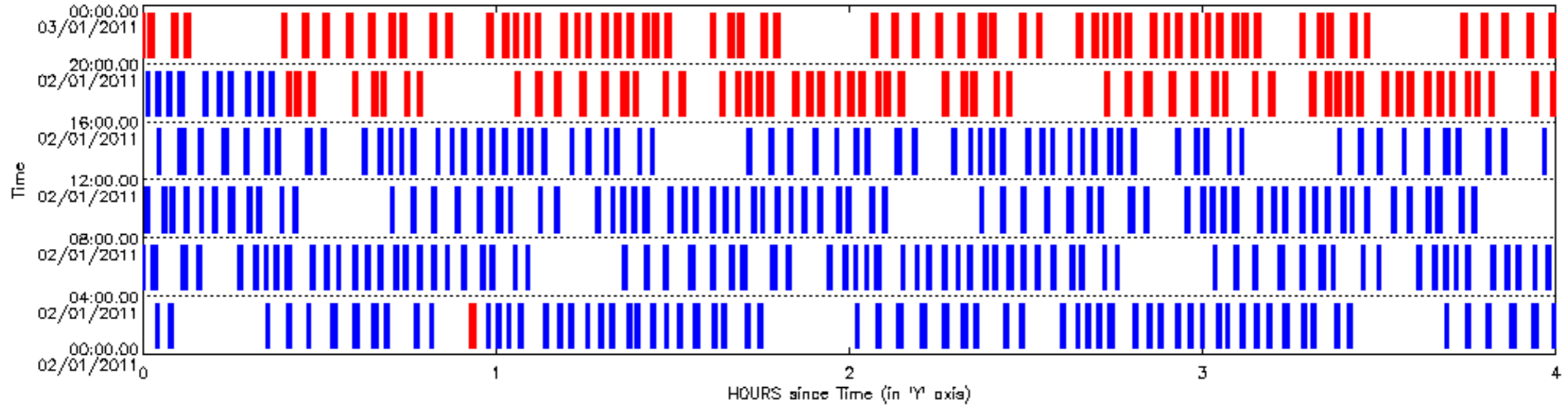


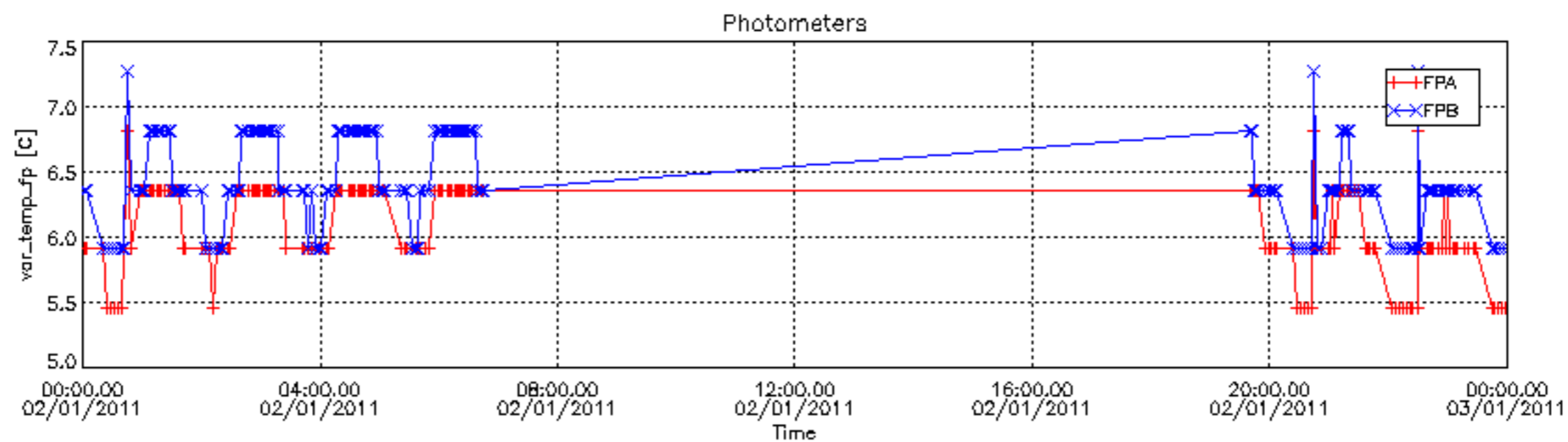
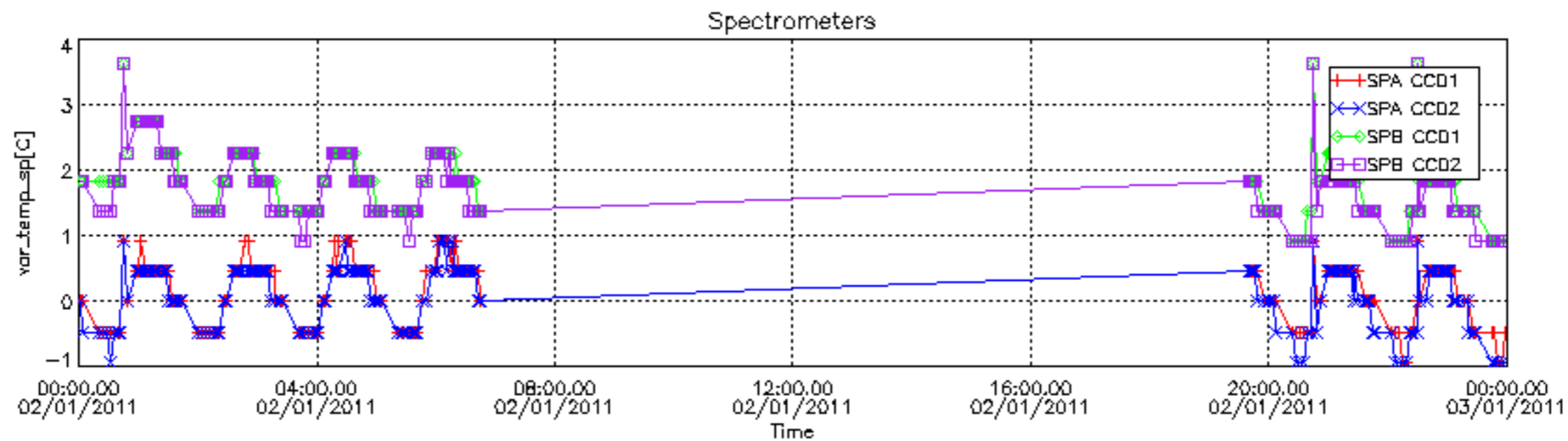
### 8. Auxiliary Data Files used for the production reported in section 2.4

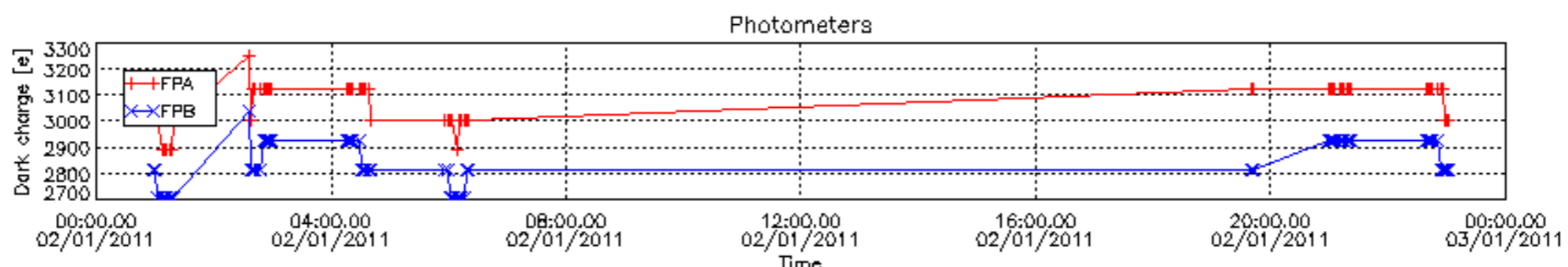
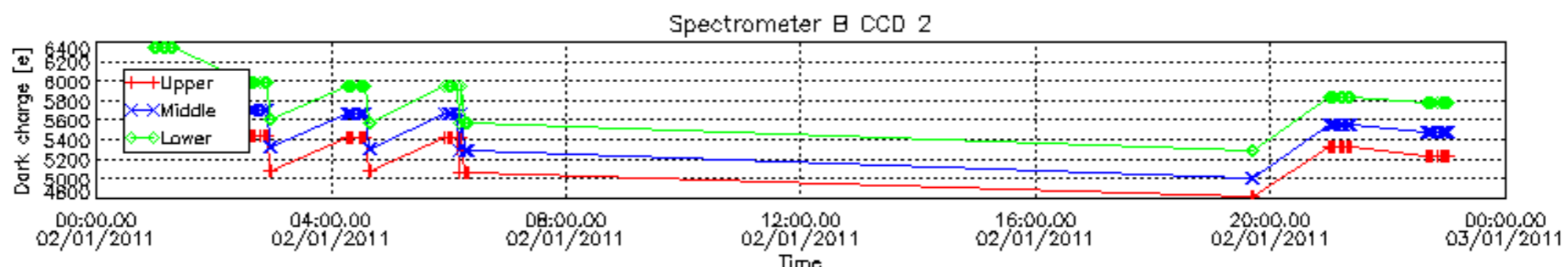
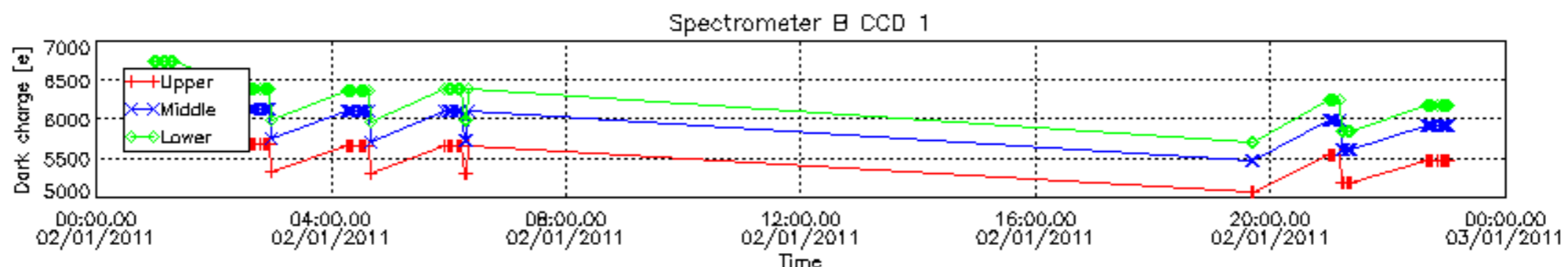
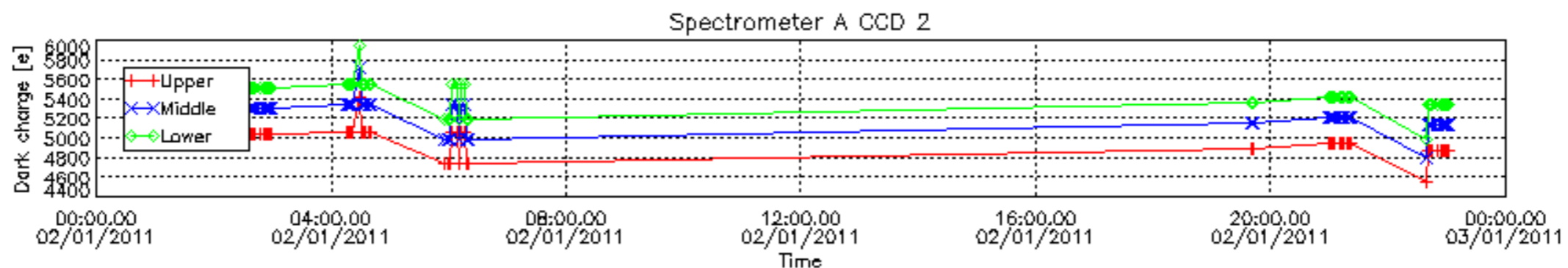
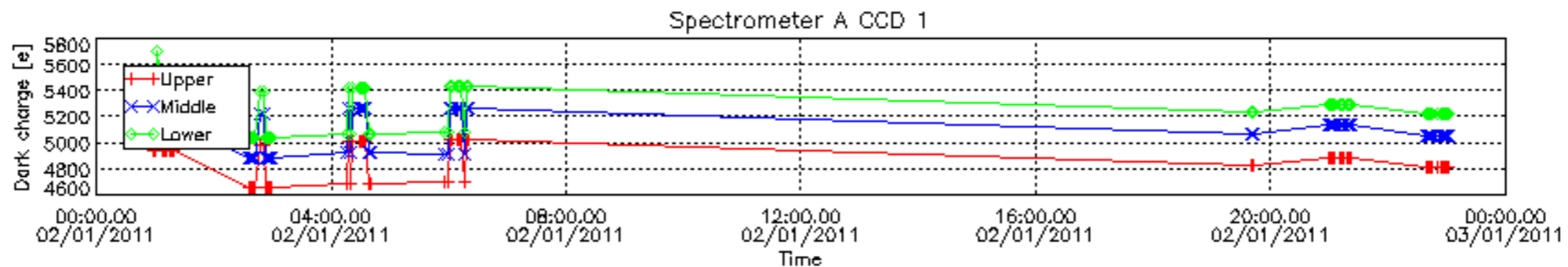
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

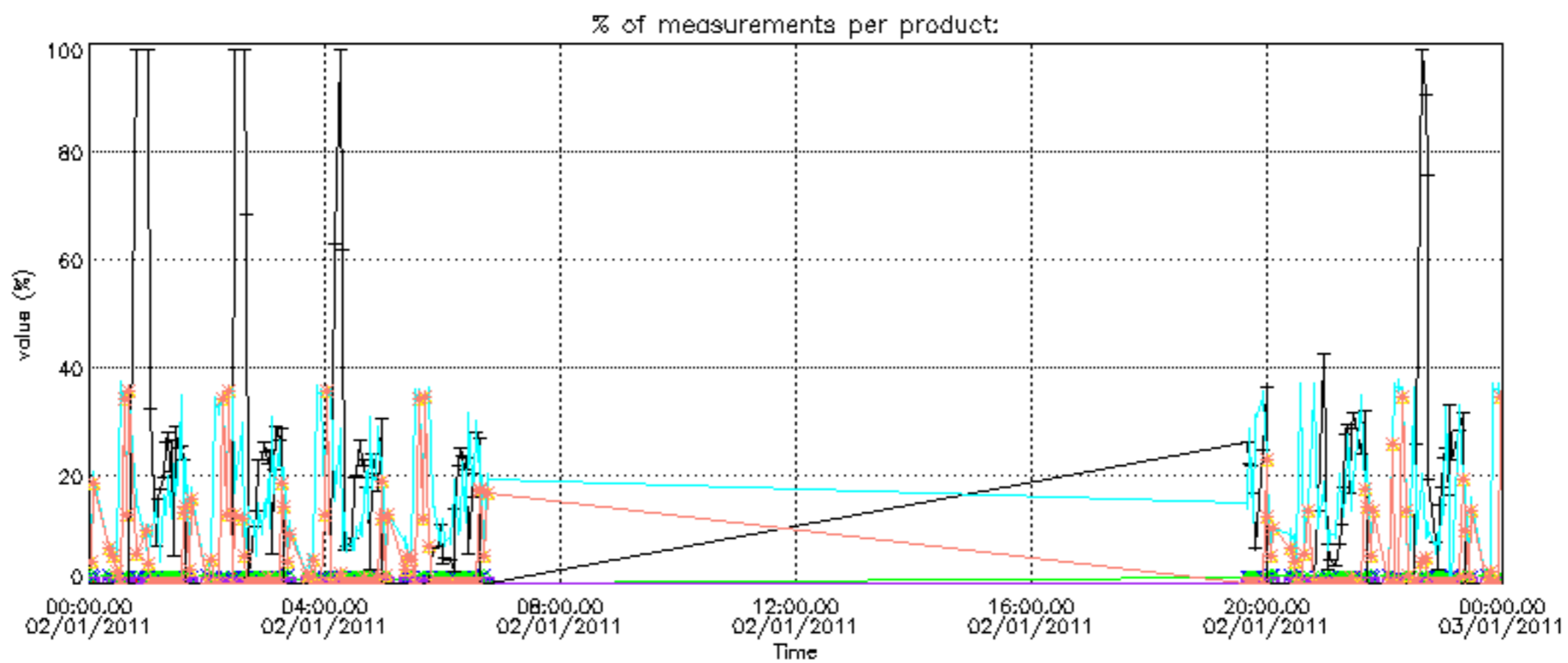
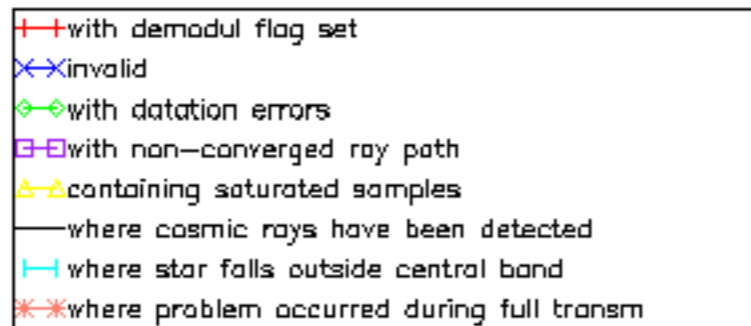
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	02-JAN-2011 00:02:03
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20101227_083101_20101226_000000_20500101_000000	1	02-JAN-2011 00:02:03
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	02-JAN-2011 00:02:03
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	02-JAN-2011 00:02:03
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	02-JAN-2011 00:02:03
ECMWF_FILE	AUX_ECF_AXNECM20110101_054113_20110101_210000_20110102_090000	1	02-JAN-2011 00:02:03
ECMWF_FILE	AUX_ECF_AXNECM20110101_172114_20110102_030000_20110102_150000	60	02-JAN-2011 03:41:13
ECMWF_FILE	AUX_ECA_AXNECM20110102_052113_20110101_210000_20110102_090000	89	02-JAN-2011 05:21:27
ECMWF_FILE	AUX_ECA_AXNECM20110102_172115_20110102_090000_20110102_210000	118	02-JAN-2011 19:39:55
ECMWF_FILE	AUX_ECF_AXNECM20110102_054115_20110102_150000_20110103_030000	134	02-JAN-2011 20:43:39
ECMWF_FILE	AUX_ECF_AXNECM20110102_054115_20110102_210000_20110103_090000	163	02-JAN-2011 22:29:00
OPTIONAL_ECMWF_FILE	MISSING	1	02-JAN-2011 00:02:03
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110101_230159_000057383098_00087_46222_2246.N1	1	02-JAN-2011 00:02:03
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110102_004256_000057383098_00088_46223_2247.N1	10	02-JAN-2011 00:45:52
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110102_021834_000044633098_00089_46224_2248.N1	38	02-JAN-2011 02:26:06
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110102_033816_000057383098_00090_46225_2249.N1	60	02-JAN-2011 03:41:13
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110102_051913_000057383098_00091_46226_2250.N1	89	02-JAN-2011 05:21:27
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110102_193438_000038253098_00100_46235_2251.N1	118	02-JAN-2011 19:39:55
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110102_204342_000060573098_00100_46235_2252.N1	134	02-JAN-2011 20:43:39
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20101230_222113_20101230_193220_20110109_200559	163	02-JAN-2011 22:29:00





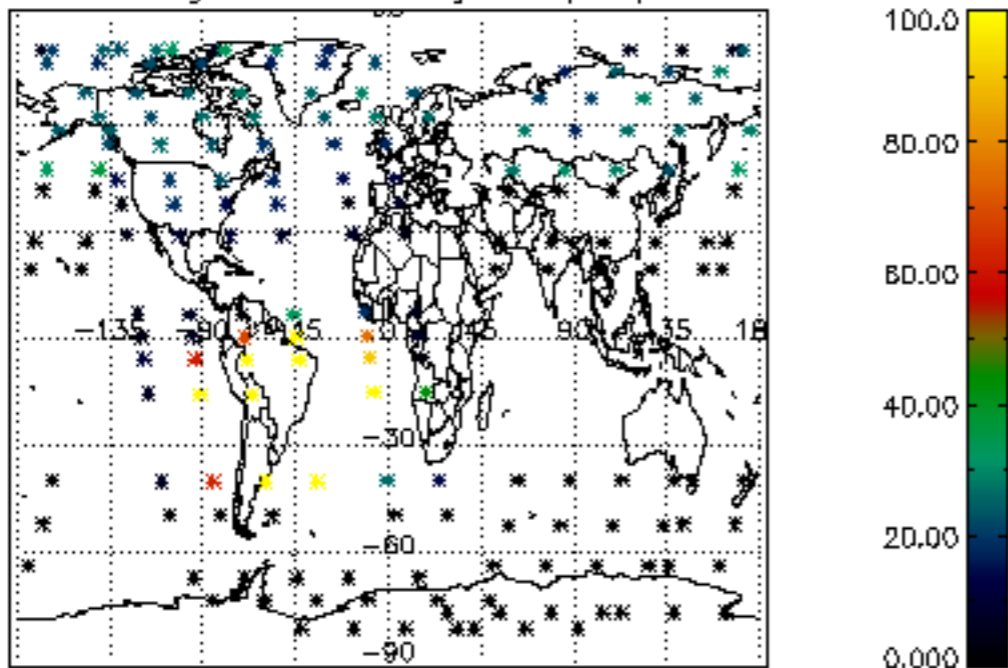




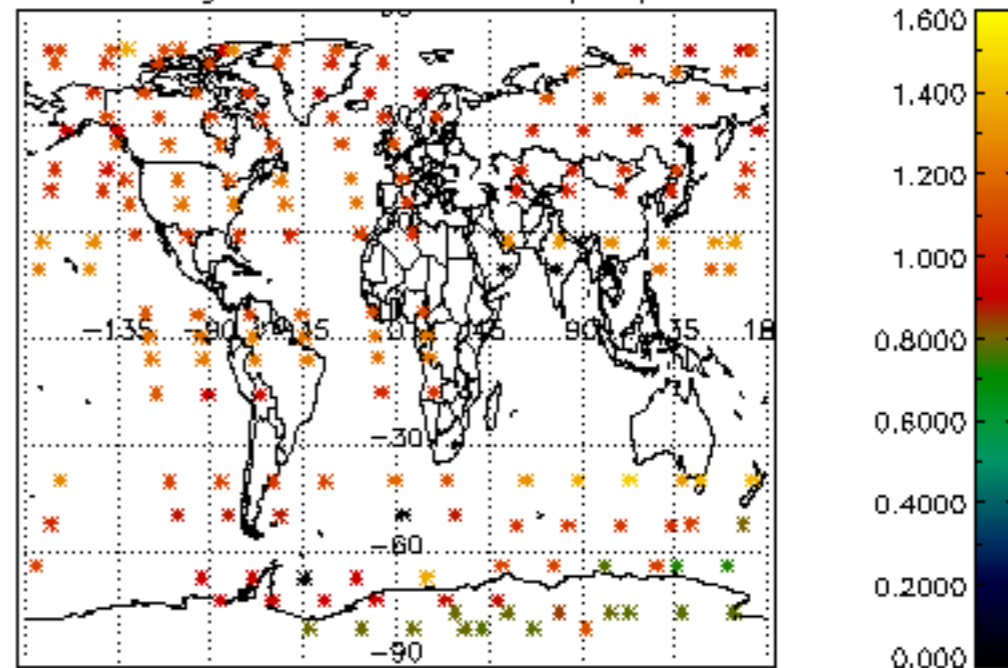




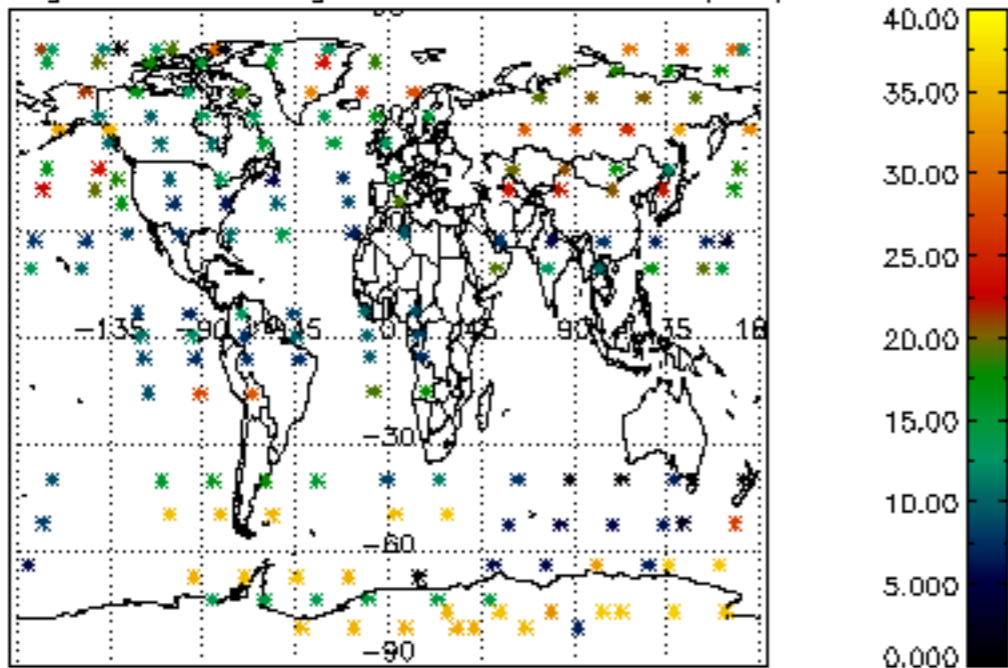
Percentage of cosmic ray hits per profile



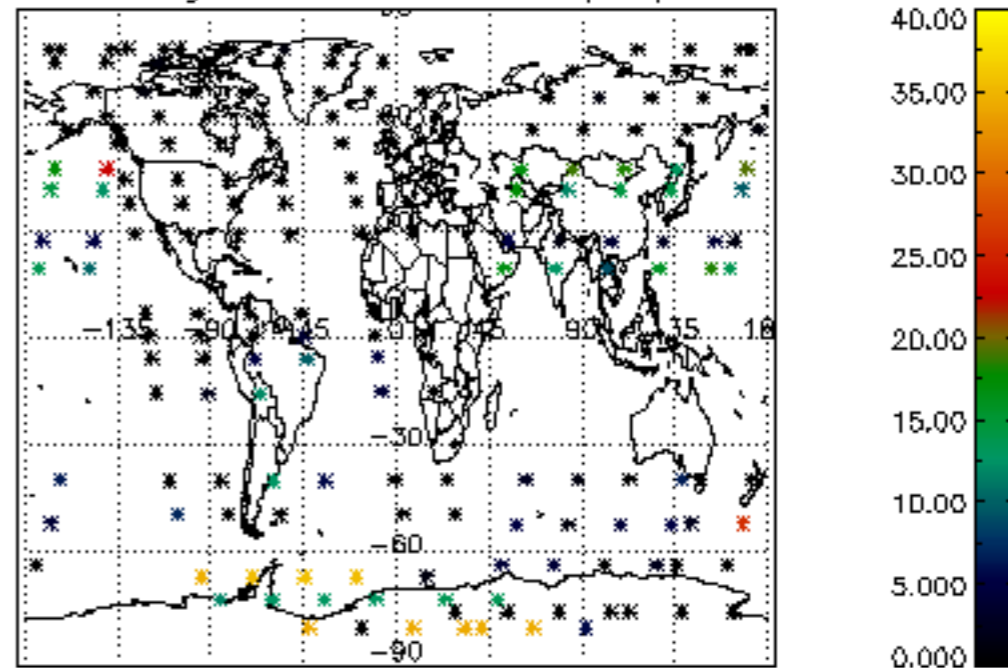
Percentage of datation errors per profile



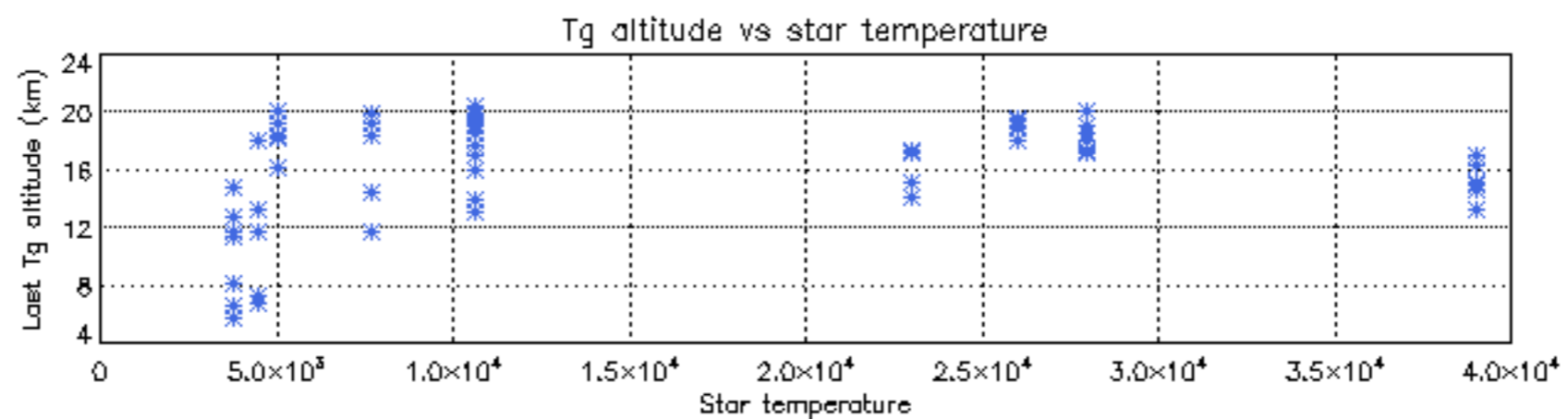
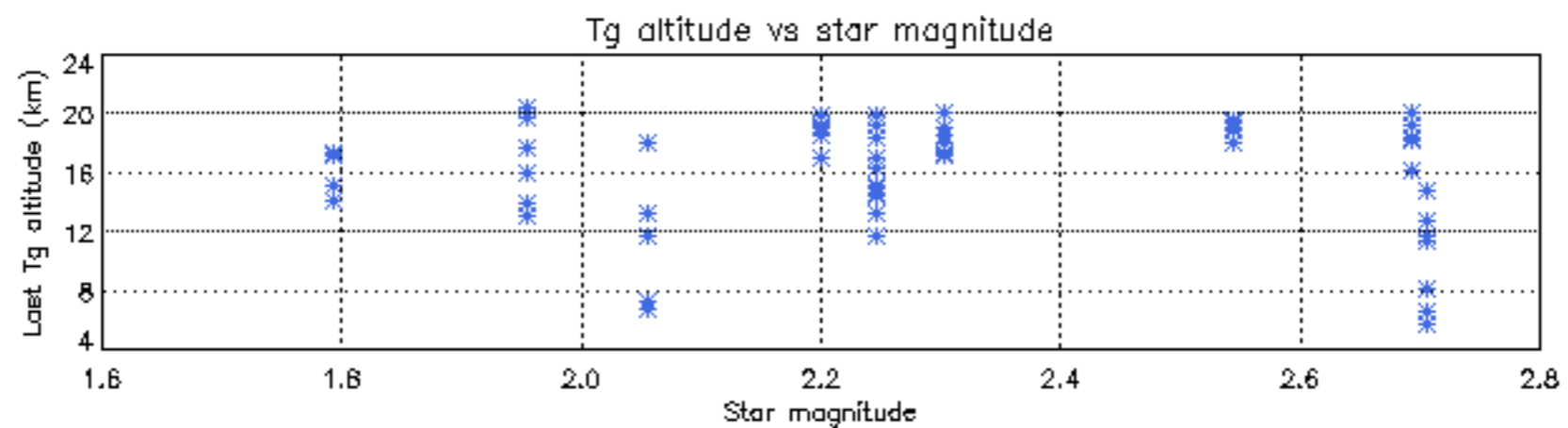
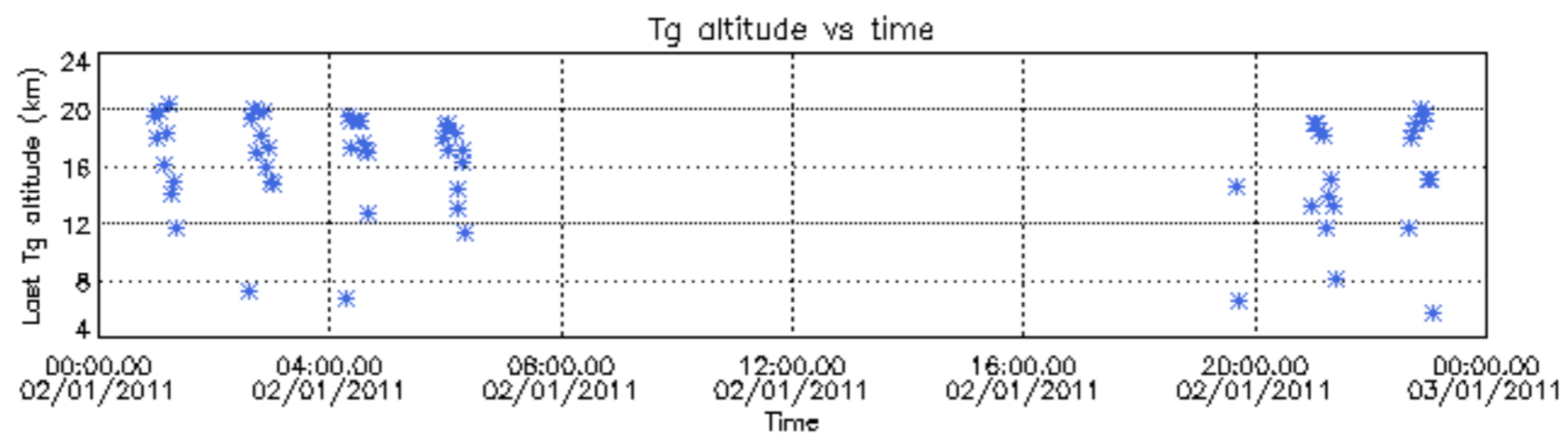
Percentage of star falling outside central band per profile



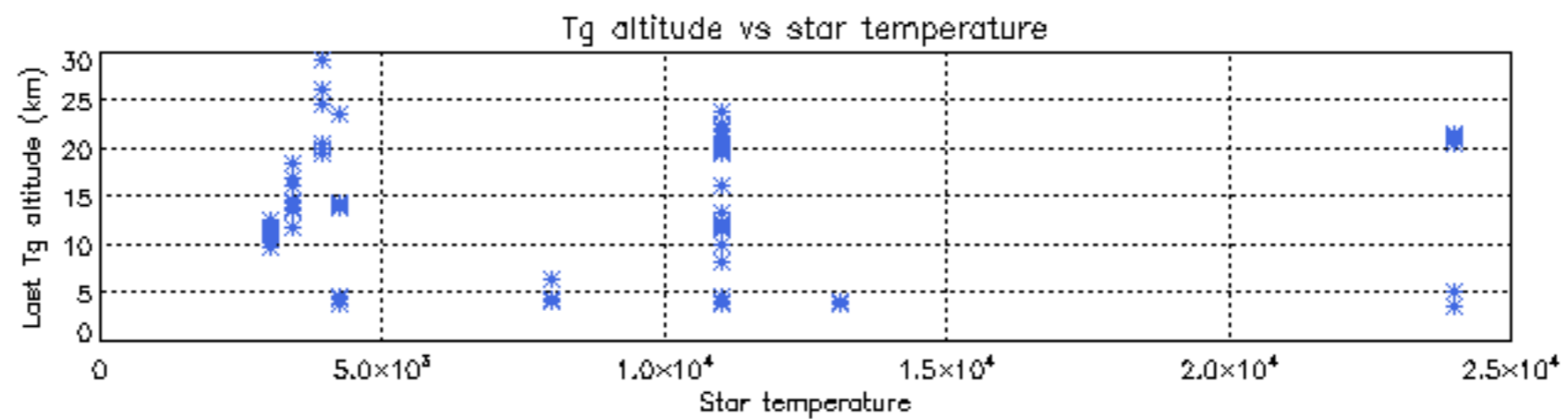
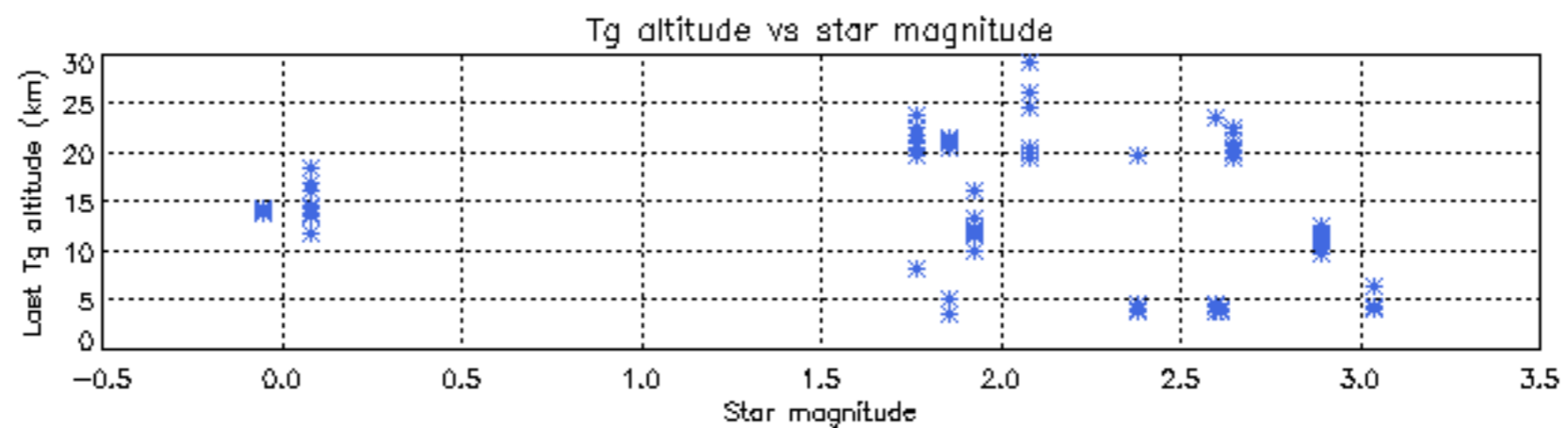
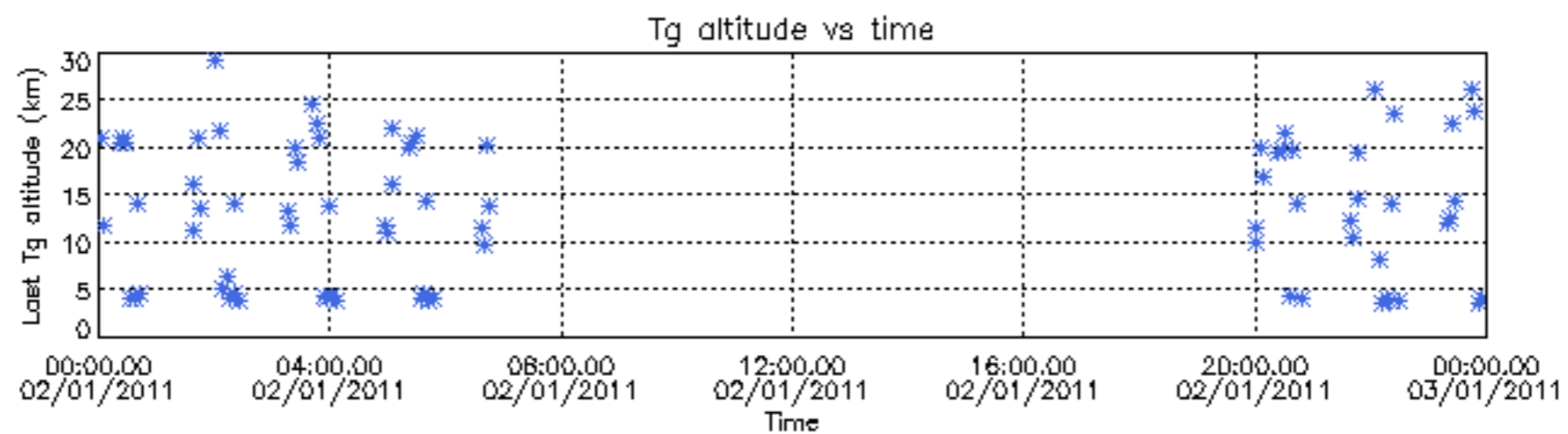
Percentage of saturation errors per profile

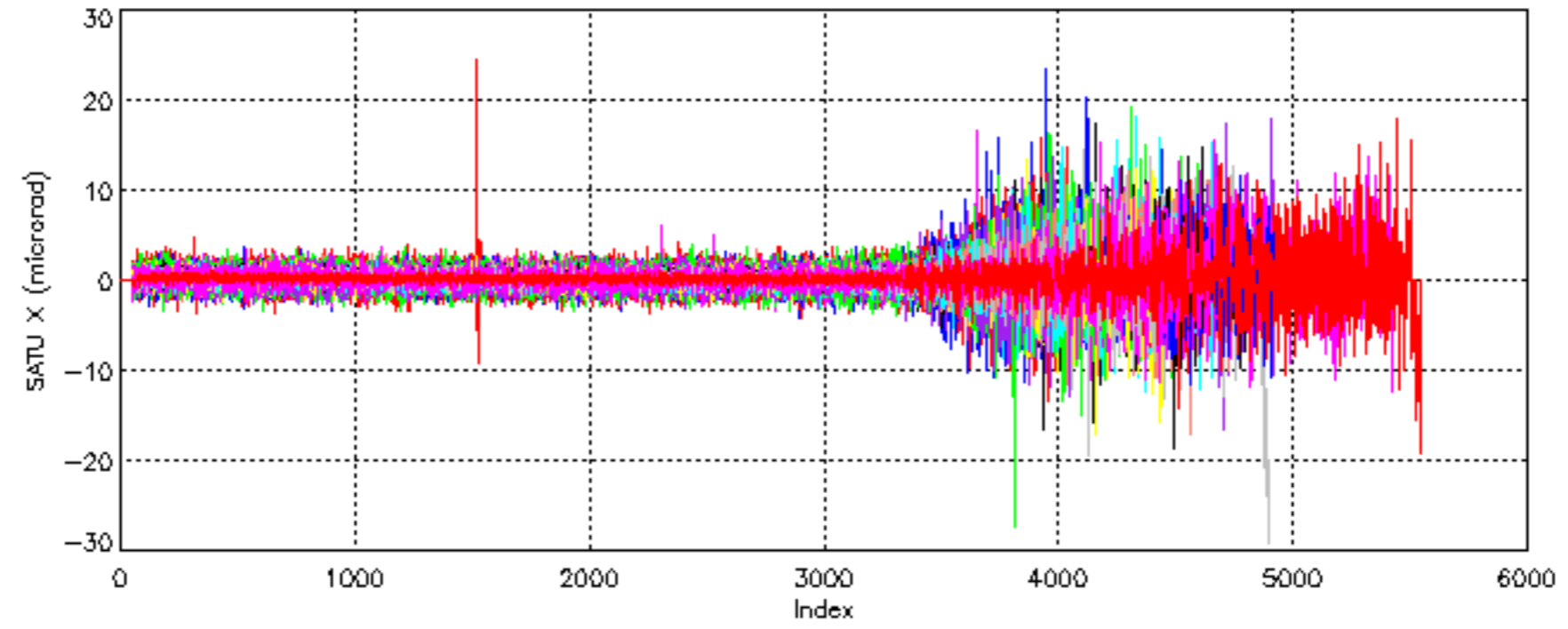


Tangent altitude at which the star is lost

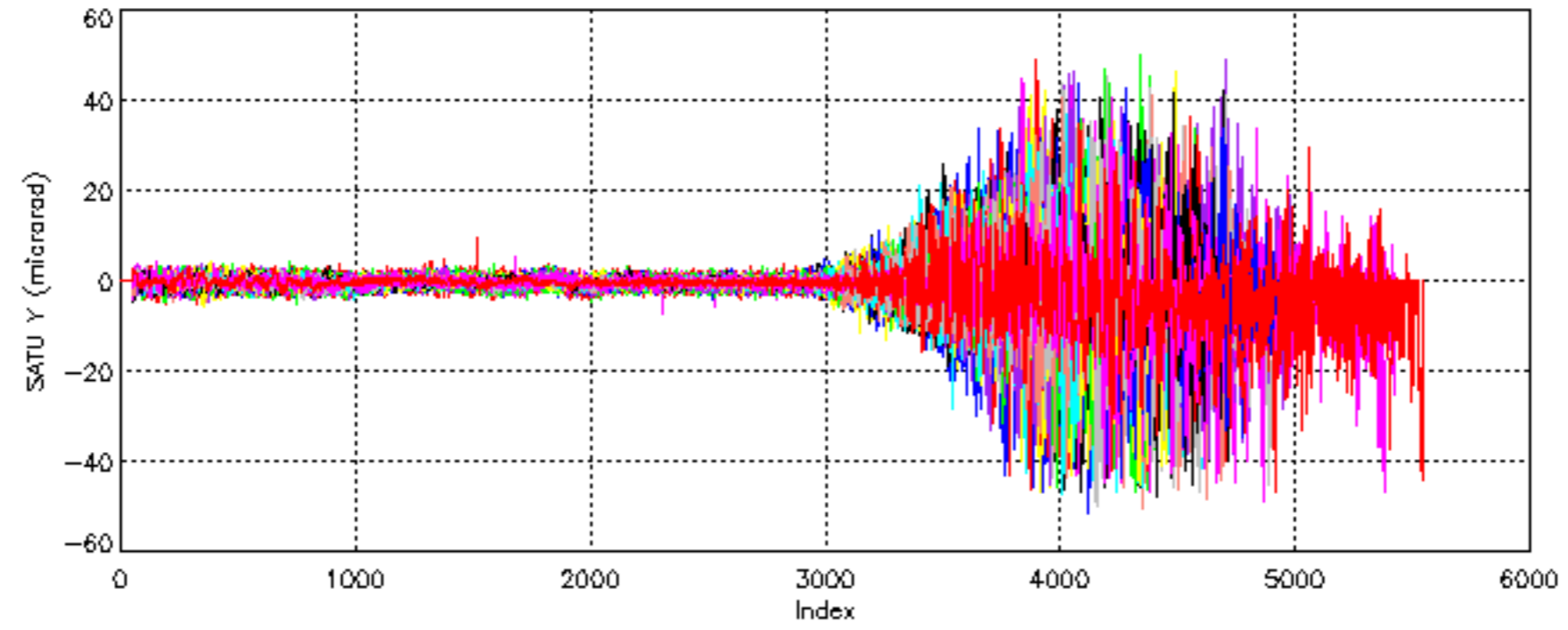


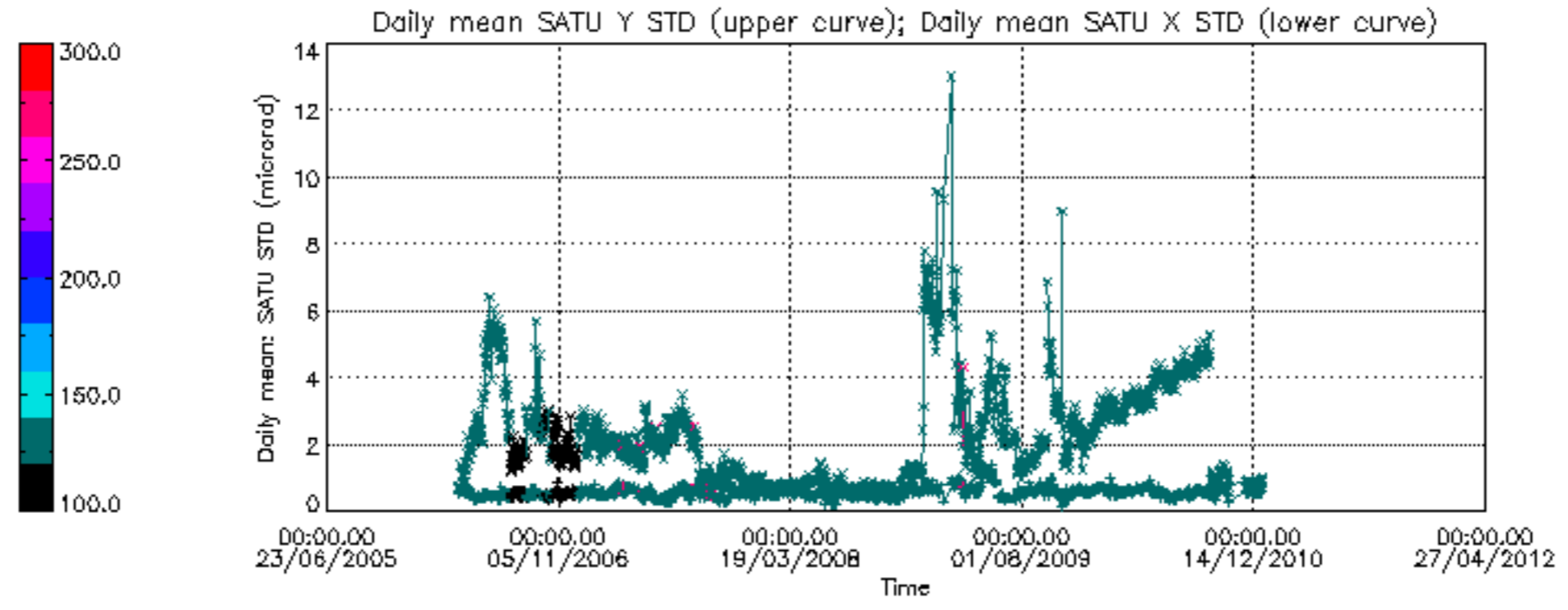
Tangent altitude at which the star is lost











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1;	-684.4;	01-JAN-2011	01:25:08;	Dark	;	45.0;	122;	9Alp2Lib	;	2.75;	9700;	occ;	90;	0;	46209
2;	-272.2;	01-JAN-2011	01:32:00;	Dark	;	43.0;	54;	5The Cen	;	2.06;	4500;	occ;	86;	0;	46209
3;	-3.0;	01-JAN-2011	01:36:29;	Dark	;	40.5;	77;	Eps Cen	;	2.30;	28000;	occ;	81;	0;	46210
4;	102.2;	01-JAN-2011	01:38:14;	Dark	;	45.0;	64;	Gam Cen	;	2.20;	10600;	occ;	90;	0;	46210
5;	211.5;	01-JAN-2011	01:40:04;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	46210
6;	470.5;	01-JAN-2011	01:44:23;	Dark	;	48.0;	113;	Mu Vel	;	2.69;	5000;	occ;	96;	0;	46210
7;	623.9;	01-JAN-2011	01:46:56;	Dark	;	48.5;	71;	Iot Car	;	2.25;	7700;	occ;	97;	0;	46210
8;	738.0;	01-JAN-2011	01:48:50;	Dark	;	42.5;	46;	Del Vel	;	1.95;	10600;	occ;	85;	0;	46210
9;	908.3;	01-JAN-2011	01:51:41;	Dark	;	48.5;	34;	Gam2Vel	;	1.79;	23000;	occ;	97;	0;	46210
10;	1039.2;	01-JAN-2011	01:53:52;	Dark	;	49.5;	70;	Zet Pup	;	2.25;	39000;	occ;	99;	0;	46210
11;	1163.5;	01-JAN-2011	01:55:56;	Dark	;	49.0;	117;	Pi Pup	;	2.71;	3800;	occ;	98;	0;	46210
12;	1330.9;	01-JAN-2011	01:58:43;	Dark	;	47.0;	23;	21Eps CMa	;	1.50;	26000;	occ;	94;	0;	46210
13;	1423.0;	01-JAN-2011	02:00:15;	Dark	;	45.0;	179;	240mi2CMa	;	3.03;	24000;	occ;	90;	0;	46210
14;	1570.3;	01-JAN-2011	02:02:43;	Dark	;	53.0;	1;	9Alp CMa	;	-1.44;	11000;	occ;	106;	0;	46210
15;	1719.7;	01-JAN-2011	02:05:12;	Dark	;	42.5;	56;	53Kap Ori	;	2.07;	30000;	occ;	85;	0;	46210
16;	1869.3;	01-JAN-2011	02:07:42;	Dark	;	45.5;	30;	46Eps Ori	;	1.69;	30000;	occ;	91;	0;	46210
17;	2019.8;	01-JAN-2011	02:10:12;	Dark	;	55.0;	14;	58Alp Ori	;	0.87;	3000;	occ;	110;	0;	46210
18;	2214.1;	01-JAN-2011	02:13:26;	Dark	;	48.5;	44;	24Gam Gem	;	1.93;	11000;	occ;	97;	0;	46210
19;	2312.3;	01-JAN-2011	02:15:05;	Bright;	;	48.0;	151;	13Mu Gem	;	2.89;	3000;	occ;	96;	0;	46210
20;	2551.7;	01-JAN-2011	02:19:04;	Bright;	;	39.0;	107;	37The Aur	;	2.65;	11000;	occ;	78;	0;	46210
21;	2677.4;	01-JAN-2011	02:21:10;	Bright;	;	40.5;	6;	13Alp Aur	;	0.08;	3400;	occ;	81;	0;	46210
22;	3671.8;	01-JAN-2011	02:37:44;	Bright;	;	55.0;	60;	7Bet UMi	;	2.08;	3950;	occ;	110;	0;	46210
23;	3889.5;	01-JAN-2011	02:41:22;	Bright;	;	48.0;	32;	77Eps UMa	;	1.76;	11000;	occ;	96;	0;	46210
24;	4086.7;	01-JAN-2011	02:44:39;	Bright;	;	66.0;	39;	85Eta UMa	;	1.85;	24000;	occ;	132;	0;	46210
25;	4331.1;	01-JAN-2011	02:48:43;	Bright;	;	40.0;	180;	27Gam Boo	;	3.04;	8000;	occ;	80;	0;	46210
26;	4552.2;	01-JAN-2011	02:52:24;	Bright;	;	62.0;	83;		;	2.38;	11000;	occ;	124;	0;	46210
27;	4747.8;	01-JAN-2011	02:55:40;	Bright;	;	54.0;	3;	16Alp Boo	;	-0.05;	4250;	occ;	108;	0;	46210
28;	4868.3;	01-JAN-2011	02:57:41;	Bright;	;	54.0;	102;	24Alp Ser	;	2.60;	4250;	occ;	108;	0;	46210
29;	5171.3;	01-JAN-2011	03:02:44;	Bright;	;	56.0;	104;	27Bet Lib	;	2.61;	13100;	occ;	112;	0;	46210
30;	5330.2;	01-JAN-2011	03:05:23;	Dark	;	44.5;	122;	9Alp2Lib	;	2.75;	9700;	occ;	89;	0;	46210
31;	5742.5;	01-JAN-2011	03:12:15;	Dark	;	49.0;	54;	5The Cen	;	2.06;	4500;	occ;	98;	0;	46210
32;	5907.7;	01-JAN-2011	03:15:00;	Dark	;	40.0;	95;	Zet Cen	;	2.55;	26000;	occ;	80;	0;	46210
33;	6011.7;	01-JAN-2011	03:16:44;	Dark	;	39.5;	77;	Eps Cen	;	2.30;	28000;	occ;	79;	0;	46211
34;	6117.0;	01-JAN-2011	03:18:29;	Dark	;	45.0;	64;	Gam Cen	;	2.20;	10600;	occ;	90;	0;	46211
35;	6226.4;	01-JAN-2011	03:20:19;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	46211
36;	6485.7;	01-JAN-2011	03:24:38;	Dark	;	49.0;	113;	Mu Vel	;	2.69;	5000;	occ;	98;	0;	46211
37;	6638.6;	01-JAN-2011	03:27:11;	Dark	;	42.5;	71;	Iot Car	;	2.25;	7700;	occ;	85;	0;	46211
38;	6752.6;	01-JAN-2011	03:29:05;	Dark	;	45.0;	46;	Del Vel	;	1.95;	10600;	occ;	90;	0;	46211
39;	6923.2;	01-JAN-2011	03:31:56;	Dark	;	46.5;	34;	Gam2Vel	;	1.79;	23000;	occ;	93;	0;	46211
40;	7054.0;	01-JAN-2011	03:34:06;	Dark	;	45.5;	70;	Zet Pup	;	2.25;	39000;	occ;	91;	0;	46211
41;	7178.0;	01-JAN-2011	03:36:10;	Dark	;	47.0;	117;	Pi Pup	;	2.71;	3800;	occ;	94;	0;	46211
42;	7345.3;	01-JAN-2011	03:38:58;	Dark	;	46.0;	23;	21Eps CMa	;	1.50;	26000;	occ;	92;	0;	46211
43;	7437.3;	01-JAN-2011	03:40:30;	Dark	;	46.0;	179;	240mi2CMa	;	3.03;	24000;	occ;	92;	0;	46211
44;	7584.6;	01-JAN-2011	03:42:57;	Dark	;	53.0;	1;	9Alp CMa	;	-1.44;	11000;	occ;	106;	0;	46211
45;	7733.8;	01-JAN-2011	03:45:26;	Dark	;	44.0;	56;	53Kap Ori	;	2.07;	30000;	occ;	88;	0;	46211
46;	7883.6;	01-JAN-2011	03:47:56;	Dark	;	44.5;	30;	46Eps Ori	;	1.69;	30000;	occ;	89;	0;	46211
47;	8034.0;	01-JAN-2011	03:50:26;	Dark	;	55.0;	14;	58Alp Ori	;	0.87;	3000;	occ;	110;	0;	46211
48;	8228.0;	01-JAN-2011	03:53:40;	Dark	;	44.5;	44;	24Gam Gem	;	1.93;	11000;	occ;	89;	0;	46211
49;	8326.2;	01-JAN-2011	03:55:18;	Bright;	;	43.5;	151;	13Mu Gem	;	2.89;	3000;	occ;	87;	0;	46211
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51;	8691.4;	01-JAN-2011	04:01:24;	Bright;	;	41.0;	6;	13Alp Aur	;	0.08;	3400;	occ;	82;	0;	46211

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1;	-2342.4;	01-JAN-2011	04:17:58;	Bright;	;	39.0;	60;	7Bet UMi	;	2.08;	3950;	occ;	78;	0;	46211
2;	-2124.9;	01-JAN-2011	04:21:36;	Bright;	;	47.5;	32;	77Eps UMa	;	1.76;	11000;	occ;	95;	0;	46211
3;	-1927.5;	01-JAN-2011	04:24:53;	Bright;	;	45.0;	39;	85Eta UMa	;	1.85;	24000;	occ;	90;	0;	46211
4;	-1683.0;	01-JAN-2011	04:28:57;	Bright;	;	42.5;	180;	27Gam Boo	;	3.04;	8000;	occ;	85;	0;	46211
5;	-1461.7;	01-JAN-2011	04:32:39;	Bright;	;	44.0;	83;		;	2.38;	11000;	occ;	88;	0;	46211
6;	-1265.7;	01-JAN-2011	04:35:55;	Bright;	;	54.0;	3;	16Alp Boo	;	-0.05;	4250;	occ;	108;	0;	46211
7;	-1145.5;	01-JAN-2011	04:37:55;	Bright;	;	54.0;	102;	24Alp Ser	;	2.60;	4250;	occ;	108;	0;	46211
8;	-842.3;	01-JAN-2011	04:42:58;	Bright;	;	56.0;	104;	27Bet Lib	;	2.61;	13100;	occ;	112;	0;	46211
9;	-683.2;	01-JAN-2011	04:45:37;	Dark	;	45.5;	122;	9Alp2Lib	;	2.75;	9700;	occ;	91;	0;	46211
10;	-270.8;	01-JAN-2011	04:52:30;	Dark	;	47.0;	54;	5The Cen	;	2.06;	4500;	occ;	94;	0;	46211
11;	-105.9;	01-JAN-2011	04:55:15;	Dark	;	41.5;	95;	Zet Cen	;	2.55;	26000;	occ;	83;	0;	46211
12;	-1.7;	01-JAN-2011	04:56:59;	Dark	;	40.0;	77;	Eps Cen	;	2.30;	28000;	occ;	80;	0;	46212
13;	103.9;	01-JAN-2011	04:58:44;	Dark	;	44.0;	64;	Gam Cen	;	2.20;	10600;	occ;	88;	0;	46212
14;	213.3;	01-JAN-2011	05:00:34;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	46212
15;	472.3;	01-JAN-2011	05:04:53;	Dark	;	48.5;	113;	Mu Vel	;	2.69;	5000;	occ;	97;	0;	46212

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16; 625.1; 01-JAN-2011 05:07:26; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;46212
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26; 2019.7; 01-JAN-2011 05:30:40; Dark ; 55.0; 14; 58Alp Ori ; 0.87; 3000;occ; 110; 0;46212
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28; 2312.0; 01-JAN-2011 05:35:32; Bright; 60.0; 151; 13Mu Gem ; 2.89; 3000;occ; 120; 0;46212
29; 2551.3; 01-JAN-2011 05:39:32; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;46212
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31; 3671.7; 01-JAN-2011 05:58:12; Bright; 11.5; 60; 7Bet UMi ; 2.08; 3950;occ; 23; 0;46212
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 3; 1167.5; 01-JAN-2011 20:18:34; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;46221
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 9; 2019.3; 01-JAN-2011 20:32:46; Dark ; 55.0; 14; 58Alp Ori ; 0.87; 3000;occ; 110; 0;46221
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13; 2676.5; 01-JAN-2011 20:43:43; Bright; 41.5; 6; 13Alp Aur ; 0.08; 3400;occ; 83; 0;46221
14; 3670.6; 01-JAN-2011 21:00:17; Bright; 55.0; 60; 7Bet UMi ; 2.08; 3950;occ; 110; 0;46221
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18; 4554.5; 01-JAN-2011 21:15:01; Bright; 63.0; 83; ; 2.38; 11000;occ; 126; 0;46221
19; 4752.6; 01-JAN-2011 21:18:19; Bright; 54.5; 3; 16Alp Boo ; -0.05; 4250;occ; 109; 0;46221
20; 4871.7; 01-JAN-2011 21:20:18; Bright; 36.0; 102; 24Alp Ser ; 2.60; 4250;occ; 72; 0;46221
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 9; 630.4; 01-JAN-2011 21:49:51; Dark ; 44.5; 71; Iot Car ; 2.25; 7700;occ; 89; 0;46222
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12; 1045.6; 01-JAN-2011 21:56:46; Dark ; 47.0; 70; Zet Pup ; 2.25; 39000;occ; 94; 0;46222
13; 1167.9; 01-JAN-2011 21:58:49; Dark ; 45.5; 117; Pi Pup ; 2.71; 3800;occ; 91; 0;46222
14; 1334.3; 01-JAN-2011 22:01:35; Dark ; 49.0; 23; 21Eps CMA ; 1.50; 26000;occ; 98; 0;46222
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16; 1571.8; 01-JAN-2011 22:05:33; Dark ; 57.0; 1; 9Alp CMA ; -1.44; 11000;occ; 114; 0;46222
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23; 2676.5; 01-JAN-2011 22:23:57; Bright; 41.5; 6; 13Alp Aur ; 0.08; 3400;occ; 83; 0;46222
24; 3670.6; 01-JAN-2011 22:40:31; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;46222
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 2; 1427.8; 02-JAN-2011 14:45:29; Dark ; 45.5; 179; 240mi2CMA ; 3.03; 24000;occ; 91; 0;46232  
 3; 1573.2; 02-JAN-2011 14:47:54; Dark ; 50.0; 1; 9Alp CMA ; -1.44; 11000;occ; 100; 0;46232  
 4; 2019.0; 02-JAN-2011 14:55:20; Dark ; 51.0; 14; 58Alp Ori ; 0.87; 3000;occ; 102; 0;46232  
 5; 2207.3; 02-JAN-2011 14:58:28; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;46232  
 6; 2306.1; 02-JAN-2011 15:00:07; Bright; 44.5; 151; 13Mu Gem ; 2.89; 3000;occ; 89; 0;46232  
 7; 2546.5; 02-JAN-2011 15:04:07; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;46232  
 8; 2675.9; 02-JAN-2011 15:06:17; Bright; 41.0; 6; 13Alp Aur ; 0.08; 3400;occ; 82; 0;46232  
 9; 3669.6; 02-JAN-2011 15:22:50; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;46232  
 10; 3880.3; 02-JAN-2011 15:26:21; Bright; 49.5; 32; 77Eps UMa ; 1.76; 11000;occ; 99; 0;46232  
 11; 4082.0; 02-JAN-2011 15:29:43; Bright; 45.0; 39; 85Eta UMa ; 1.85; 24000;occ; 90; 0;46232  
 12; 4331.7; 02-JAN-2011 15:33:53; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;46232  
 13; 4556.9; 02-JAN-2011 15:37:38; Bright; 44.5; 83; ; 2.38; 11000;occ; 89; 0;46232  
 14; 4757.7; 02-JAN-2011 15:40:58; Bright; 55.5; 3; 16Alp Boo ; -0.05; 4250;occ; 111; 0;46232  
 15; 4875.1; 02-JAN-2011 15:42:56; Bright; 50.5; 102; 24Alp Ser ; 2.60; 4250;occ; 101; 0;46232  
 16; 5181.6; 02-JAN-2011 15:48:02; Bright; 57.0; 104; 27Bet Lib ; 2.61; 13100;occ; 114; 0;46232  
 17; 5343.8; 02-JAN-2011 15:50:45; Dark ; 45.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 90; 0;46232  
 18; 5758.7; 02-JAN-2011 15:57:39; Dark ; 44.5; 54; 5The Cen ; 2.06; 4500;occ; 89; 0;46232  
 19; 5921.5; 02-JAN-2011 16:00:22; Dark ; 39.5; 95; Zet Cen ; 2.55; 26000;occ; 79; 0;46232  
 20; 6024.6; 02-JAN-2011 16:02:05; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;46233  
 21; 6135.0; 02-JAN-2011 16:03:56; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;46233  
 22; 6246.9; 02-JAN-2011 16:05:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46233  
 23; 6505.0; 02-JAN-2011 16:10:06; Dark ; 49.0; 113; Mu Vel ; 2.69; 5000;occ; 98; 0;46233  
 24; 6650.3; 02-JAN-2011 16:12:31; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;46233  
 25; 6764.5; 02-JAN-2011 16:14:25; Dark ; 48.5; 46; Del Vel ; 1.95; 10600;occ; 97; 0;46233  
 26; 6934.3; 02-JAN-2011 16:17:15; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;46233  
 27; 7065.1; 02-JAN-2011 16:19:26; Dark ; 47.0; 70; Zet Pup ; 2.25; 39000;occ; 94; 0;46233  
 28; 7185.9; 02-JAN-2011 16:21:27; Dark ; 48.5; 117; Pi Pup ; 2.71; 3800;occ; 97; 0;46233

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1; -667.4; 03-JAN-2011 00:11:58; Dark ; 48.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 96; 0;46237  
 2; -251.7; 03-JAN-2011 00:18:53; Dark ; 52.5; 54; 5The Cen ; 2.06; 4500;occ; 105; 0;46237  
 3; -89.6; 03-JAN-2011 00:21:35; Dark ; 42.5; 95; Zet Cen ; 2.55; 26000;occ; 85; 0;46237  
 4; 13.2; 03-JAN-2011 00:23:18; Dark ; 39.5; 77; Eps Cen ; 2.30; 28000;occ; 79; 0;46238  
 5; 125.0; 03-JAN-2011 00:25:10; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;46238  
 6; 237.5; 03-JAN-2011 00:27:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46238  
 7; 495.2; 03-JAN-2011 00:31:20; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;46238  
 8; 638.7; 03-JAN-2011 00:33:44; Dark ; 45.0; 71; Iot Car ; 2.25; 7700;occ; 90; 0;46238  
 9; 752.9; 03-JAN-2011 00:35:38; Dark ; 45.0; 46; Del Vel ; 1.95; 10600;occ; 90; 0;46238  
 10; 922.4; 03-JAN-2011 00:38:27; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;46238  
 11; 1053.3; 03-JAN-2011 00:40:38; Dark ; 47.0; 70; Zet Pup ; 2.25; 39000;occ; 94; 0;46238  
 12; 1173.5; 03-JAN-2011 00:42:38; Dark ; 46.5; 117; Pi Pup ; 2.71; 3800;occ; 93; 0;46238  
 13; 1338.2; 03-JAN-2011 00:45:23; Dark ; 47.5; 23; 21Eps CMA ; 1.50; 26000;occ; 95; 0;46238  
 14; 1429.0; 03-JAN-2011 00:46:54; Dark ; 38.0; 179; 240mi2CMA ; 3.03; 24000;occ; 76; 0;46238  
 15; 1573.7; 03-JAN-2011 00:49:19; Dark ; 54.0; 1; 9Alp CMA ; -1.44; 11000;occ; 108; 0;46238  
 16; 2018.5; 03-JAN-2011 00:56:43; Dark ; 50.0; 14; 58Alp Ori ; 0.87; 3000;occ; 100; 0;46238  
 17; 2205.4; 03-JAN-2011 00:59:50; Dark ; 47.0; 44; 24Gam Gem ; 1.93; 11000;occ; 94; 0;46238  
 18; 2304.3; 03-JAN-2011 01:01:29; Bright; 50.5; 151; 13Mu Gem ; 2.89; 3000;occ; 101; 0;46238  
 19; 2545.0; 03-JAN-2011 01:05:30; Bright; 37.0; 107; 37The Aur ; 2.65; 11000;occ; 74; 0;46238  
 20; 2675.3; 03-JAN-2011 01:07:40; Bright; 43.5; 6; 13Alp Aur ; 0.08; 3400;occ; 87; 0;46238  
 21; 3669.0; 03-JAN-2011 01:24:14; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;46238  
 22; 3877.4; 03-JAN-2011 01:27:42; Bright; 49.0; 32; 77Eps UMa ; 1.76; 11000;occ; 98; 0;46238  
 23; 4080.5; 03-JAN-2011 01:31:05; Bright; 44.5; 39; 85Eta UMa ; 1.85; 24000;occ; 89; 0;46238  
 24; 4331.7; 03-JAN-2011 01:35:17; Bright; 49.0; 180; 27Gam Boo ; 3.04; 8000;occ; 98; 0;46238  
 25; 4558.0; 03-JAN-2011 01:39:03; Bright; 64.0; 83; ; 2.38; 11000;occ; 128; 0;46238  
 26; 4760.2; 03-JAN-2011 01:42:25; Bright; 56.5; 3; 16Alp Boo ; -0.05; 4250;occ; 113; 0;46238  
 27; 4877.0; 03-JAN-2011 01:44:22; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;46238  
 28; 5184.4; 03-JAN-2011 01:49:29; Bright; 32.5; 104; 27Bet Lib ; 2.61; 13100;occ; 65; 0;46238

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1; -829.6; 03-JAN-2011 01:49:29; Bright; 57.0; 104; 27Bet Lib ; 2.61; 13100;occ; 114; 0;46238  
 2; -666.6; 03-JAN-2011 01:52:12; Dark ; 48.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 96; 0;46238  
 3; -250.8; 03-JAN-2011 01:59:08; Dark ; 48.5; 54; 5The Cen ; 2.06; 4500;occ; 97; 0;46238  
 4; -88.9; 03-JAN-2011 02:01:50; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;46238  
 5; 13.8; 03-JAN-2011 02:03:33; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;46239  
 6; 125.8; 03-JAN-2011 02:05:25; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;46239  
 7; 238.4; 03-JAN-2011 02:07:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46239  
 8; 496.2; 03-JAN-2011 02:11:35; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;46239  
 9; 639.3; 03-JAN-2011 02:13:58; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;46239  
 10; 753.4; 03-JAN-2011 02:15:52; Dark ; 46.0; 46; Del Vel ; 1.95; 10600;occ; 92; 0;46239  
 11; 923.1; 03-JAN-2011 02:18:42; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;46239  
 12; 1053.9; 03-JAN-2011 02:20:53; Dark ; 46.0; 70; Zet Pup ; 2.25; 39000;occ; 92; 0;46239  
 13; 1173.8; 03-JAN-2011 02:22:53; Dark ; 48.0; 117; Pi Pup ; 2.71; 3800;occ; 96; 0;46239  
 14; 1338.7; 03-JAN-2011 02:25:38; Dark ; 46.0; 23; 21Eps CMA ; 1.50; 26000;occ; 92; 0;46239  
 15; 1429.5; 03-JAN-2011 02:27:08; Dark ; 43.5; 179; 240mi2CMA ; 3.03; 24000;occ; 87; 0;46239  
 16; 1573.9; 03-JAN-2011 02:29:33; Dark ; 49.5; 1; 9Alp CMA ; -1.44; 11000;occ; 99; 0;46239  
 17; 2018.5; 03-JAN-2011 02:36:57; Dark ; 49.5; 14; 58Alp Ori ; 0.87; 3000;occ; 99; 0;46239  
 18; 2205.5; 03-JAN-2011 02:40:04; Dark ; 46.5; 44; 24Gam Gem ; 1.93; 11000;occ; 93; 0;46239  
 19; 2304.1; 03-JAN-2011 02:41:43; Bright; 46.5; 151; 13Mu Gem ; 2.89; 3000;occ; 93; 0;46239  
 20; 2544.8; 03-JAN-2011 02:45:44; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;46239  
 21; 2675.2; 03-JAN-2011 02:47:54; Bright; 40.0; 6; 13Alp Aur ; 0.08; 3400;occ; 80; 0;46239

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1; -2345.3; 03-JAN-2011 03:04:28; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;46239  
 2; -2137.0; 03-JAN-2011 03:07:56; Bright; 49.5; 32; 77Eps UMa ; 1.76; 11000;occ; 99; 0;46239  
 3; -1933.7; 03-JAN-2011 03:11:19; Bright; 61.0; 39; 85Eta UMa ; 1.85; 24000;occ; 122; 0;46239  
 4; -1682.3; 03-JAN-2011 03:15:31; Bright; 62.0; 180; 27Gam Boo ; 3.04; 8000;occ; 124; 0;46239  
 5; -1455.8; 03-JAN-2011 03:19:17; Bright; 64.0; 83; ; 2.38; 11000;occ; 128; 0;46239  
 6; -1253.3; 03-JAN-2011 03:22:40; Bright; 56.5; 3; 16Alp Boo ; -0.05; 4250;occ; 113; 0;46239  
 7; -1136.8; 03-JAN-2011 03:24:36; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;46239  
 8; -829.1; 03-JAN-2011 03:29:44; Bright; 57.0; 104; 27Bet Lib ; 2.61; 13100;occ; 114; 0;46239  
 9; -665.9; 03-JAN-2011 03:32:27; Dark ; 45.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 90; 0;46239  
 10; -250.0; 03-JAN-2011 03:39:23; Dark ; 50.5; 54; 5The Cen ; 2.06; 4500;occ; 101; 0;46239  
 11; -88.0; 03-JAN-2011 03:42:05; Dark ; 40.0; 95; Zet Cen ; 2.55; 26000;occ; 80; 0;46239  
 12; 14.6; 03-JAN-2011 03:43:48; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;46240  
 13; 126.9; 03-JAN-2011 03:45:40; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;46240  
 14; 239.3; 03-JAN-2011 03:47:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46240  
 15; 497.1; 03-JAN-2011 03:51:50; Dark ; 48.0; 113; Mu Vel ; 2.69; 5000;occ; 96; 0;46240  
 16; 639.8; 03-JAN-2011 03:54:13; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;46240



17; 754.1; 03-JAN-2011 03:56:07; Dark ; 45.5; 46; Del Vel ; 1.95; 10600;occ; 91; 0;46240  
 18; 923.7; 03-JAN-2011 03:58:57; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;46240  
 19; 1054.3; 03-JAN-2011 04:01:07; Dark ; 45.5; 70; Zet Pup ; 2.25; 39000;occ; 91; 0;46240  
 20; 1174.3; 03-JAN-2011 04:03:07; Dark ; 46.5; 117; Pi Pup ; 2.71; 3800;occ; 93; 0;46240  
 21; 1339.1; 03-JAN-2011 04:05:52; Dark ; 46.0; 23; 21Eps CMa ; 1.50; 26000;occ; 92; 0;46240  
 22; 1429.7; 03-JAN-2011 04:07:23; Dark ; 44.0; 179; 240mi2CMa ; 3.03; 24000;occ; 88; 0;46240  
 23; 1574.2; 03-JAN-2011 04:09:47; Dark ; 49.5; 1; 9Alp CMa ; -1.44; 11000;occ; 99; 0;46240  
 24; 2018.9; 03-JAN-2011 04:17:12; Dark ; 55.0; 14; 58Alp Ori ; 0.87; 3000;occ; 110; 0;46240  
 25; 2205.2; 03-JAN-2011 04:20:18; Dark ; 44.0; 44; 24Gam Gem ; 1.93; 11000;occ; 88; 0;46240  
 26; 2303.9; 03-JAN-2011 04:21:57; Bright; 46.5; 151; 13Mu Gem ; 2.89; 3000;occ; 93; 0;46240  
 27; 2544.9; 03-JAN-2011 04:25:58; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;46240  
 28; 2675.5; 03-JAN-2011 04:28:08; Bright; 40.5; 6; 13Alp Aur ; 0.08; 3400;occ; 81; 0;46240  
 29; 3668.8; 03-JAN-2011 04:44:42; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;46240

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1; -2330.3; 03-JAN-2011 04:44:57; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 30;46240  
 2; -2137.3; 03-JAN-2011 04:48:10; Bright; 50.5; 32; 77Eps UMa ; 1.76; 11000;occ; 101; 0;46240  
 3; -1933.9; 03-JAN-2011 04:51:33; Bright; 68.0; 39; 85Eta UMa ; 1.85; 24000;occ; 136; 0;46240  
 4; -1682.2; 03-JAN-2011 04:55:45; Bright; 64.0; 180; 27Gam Boo ; 3.04; 8000;occ; 128; 0;46240  
 5; -1455.6; 03-JAN-2011 04:59:31; Bright; 44.0; 83; ; 2.38; 11000;occ; 88; 0;46240  
 6; -1252.9; 03-JAN-2011 05:02:54; Bright; 57.0; 3; 16Alp Boo ; -0.05; 4250;occ; 114; 0;46240  
 7; -1136.5; 03-JAN-2011 05:04:51; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;46240  
 8; -828.6; 03-JAN-2011 05:09:58; Bright; 46.5; 104; 27Bet Lib ; 2.61; 13100;occ; 93; 0;46240  
 9; -665.3; 03-JAN-2011 05:12:42; Dark ; 46.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 92; 0;46240  
 10; -249.3; 03-JAN-2011 05:19:38; Dark ; 49.0; 54; 5The Cen ; 2.06; 4500;occ; 98; 0;46240  
 11; -87.6; 03-JAN-2011 05:22:19; Dark ; 42.5; 95; Zet Cen ; 2.55; 26000;occ; 85; 0;46240  
 12; 15.1; 03-JAN-2011 05:24:02; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;46241  
 13; 127.7; 03-JAN-2011 05:25:55; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;46241  
 14; 240.3; 03-JAN-2011 05:27:47; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46241  
 15; 498.0; 03-JAN-2011 05:32:05; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;46241  
 16; 640.7; 03-JAN-2011 05:34:28; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;46241  
 17; 754.5; 03-JAN-2011 05:36:22; Dark ; 43.5; 46; Del Vel ; 1.95; 10600;occ; 87; 0;46241  
 18; 924.2; 03-JAN-2011 05:39:11; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;46241  
 19; 1054.7; 03-JAN-2011 05:41:22; Dark ; 46.0; 70; Zet Pup ; 2.25; 39000;occ; 92; 0;46241  
 20; 1174.7; 03-JAN-2011 05:43:22; Dark ; 50.0; 117; Pi Pup ; 2.71; 3800;occ; 100; 0;46241  
 21; 1339.1; 03-JAN-2011 05:46:06; Dark ; 47.5; 23; 21Eps CMa ; 1.50; 26000;occ; 95; 0;46241  
 22; 1429.9; 03-JAN-2011 05:47:37; Dark ; 45.0; 179; 240mi2CMa ; 3.03; 24000;occ; 90; 0;46241  
 23; 1574.4; 03-JAN-2011 05:50:01; Dark ; 55.5; 1; 9Alp CMa ; -1.44; 11000;occ; 111; 0;46241  
 24; 2018.7; 03-JAN-2011 05:57:26; Dark ; 49.0; 14; 58Alp Ori ; 0.87; 3000;occ; 98; 0;46241  
 25; 2204.9; 03-JAN-2011 06:00:32; Dark ; 51.0; 44; 24Gam Gem ; 1.93; 11000;occ; 102; 0;46241  
 26; 2303.9; 03-JAN-2011 06:02:11; Bright; 54.0; 151; 13Mu Gem ; 2.89; 3000;occ; 108; 0;46241  
 27; 2544.6; 03-JAN-2011 06:06:12; Bright; 39.0; 107; 37The Aur ; 2.65; 11000;occ; 78; 0;46241  
 28; 2677.0; 03-JAN-2011 06:08:24; Bright; 39.5; 6; 13Alp Aur ; 0.08; 3400;occ; 79; 0;46241  
 29; 3668.7; 03-JAN-2011 06:24:56; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;46241

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1; 964.5; 03-JAN-2011 20:41:58; Dark ; 42.0; 34; Gam2Vel ; 1.79; 23000;occ; 84; 72;46250  
 2; 1058.8; 03-JAN-2011 20:43:32; Dark ; 46.5; 70; Zet Pup ; 2.25; 39000;occ; 93; 0;46250  
 3; 1177.8; 03-JAN-2011 20:45:31; Dark ; 50.5; 117; Pi Pup ; 2.71; 3800;occ; 101; 0;46250  
 4; 1341.4; 03-JAN-2011 20:48:15; Dark ; 46.5; 23; 21Eps CMa ; 1.50; 26000;occ; 93; 0;46250  
 5; 1431.9; 03-JAN-2011 20:49:45; Dark ; 44.0; 179; 240mi2CMa ; 3.03; 24000;occ; 88; 0;46250  
 6; 1575.4; 03-JAN-2011 20:52:09; Dark ; 53.5; 1; 9Alp CMa ; -1.44; 11000;occ; 107; 0;46250  
 7; 2018.4; 03-JAN-2011 20:59:32; Dark ; 49.0; 14; 58Alp Ori ; 0.87; 3000;occ; 98; 0;46250  
 8; 2202.5; 03-JAN-2011 21:02:36; Dark ; 49.0; 44; 24Gam Gem ; 1.93; 11000;occ; 98; 0;46250  
 9; 2301.5; 03-JAN-2011 21:04:15; Bright; 47.0; 151; 13Mu Gem ; 2.89; 3000;occ; 94; 0;46250  
 10; 2542.8; 03-JAN-2011 21:08:16; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;46250  
 11; 2675.7; 03-JAN-2011 21:10:29; Bright; 39.5; 42; 34Bet Aur ; 1.90; 10200;occ; 79; 0;46250  
 12; 3667.6; 03-JAN-2011 21:27:01; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;46250  
 13; 3872.2; 03-JAN-2011 21:30:25; Bright; 37.0; 32; 77Eps UMa ; 1.76; 11000;occ; 74; 0;46250  
 14; 3936.0; 03-JAN-2011 21:31:29; Bright; 43.5; 55; 79Zet UMa ; 2.06; 10200;occ; 87; 0;46250  
 15; 4077.6; 03-JAN-2011 21:33:51; Bright; 68.0; 39; 85Eta UMa ; 1.85; 24000;occ; 136; 0;46250  
 16; 4332.0; 03-JAN-2011 21:38:05; Bright; 42.5; 180; 27Gam Boo ; 3.04; 8000;occ; 85; 0;46250  
 17; 4560.5; 03-JAN-2011 21:41:54; Bright; 47.0; 83; ; 2.38; 11000;occ; 94; 0;46250  
 18; 4765.8; 03-JAN-2011 21:45:19; Bright; 26.0; 3; 16Alp Boo ; -0.05; 4250;occ; 52; 0;46250  
 19; 4880.8; 03-JAN-2011 21:47:14; Bright; 38.0; 102; 24Alp Ser ; 2.60; 4250;occ; 76; 0;46250  
 20; 5190.3; 03-JAN-2011 21:52:24; Bright; 35.5; 104; 27Bet Lib ; 2.61; 13100;occ; 71; 0;46250

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 21; 1343.1; 04-JAN-2011 06:49:40; Dark ; 44.5; 23; 21Eps CMa ; 1.50; 26000;occ; 89; 0;46256  
 22; 1433.2; 04-JAN-2011 06:51:11; Dark ; 41.0; 179; 24Omi2CMA ; 3.03; 24000;occ; 82; 0;46256  
 23; 1576.3; 04-JAN-2011 06:53:34; Dark ; 49.5; 1; 9Alp CMa ; -1.44; 11000;occ; 99; 0;46256  
 24; 2018.5; 04-JAN-2011 07:00:56; Dark ; 51.0; 14; 58Alp Ori ; 0.87; 3000;occ; 102; 0;46256  
 25; 2201.0; 04-JAN-2011 07:03:58; Dark ; 48.5; 44; 24Gam Gem ; 1.93; 11000;occ; 97; 0;46256  
 26; 2300.1; 04-JAN-2011 07:05:37; Bright; 47.0; 151; 13Mu Gem ; 2.89; 3000;occ; 94; 0;46256  
 27; 2541.6; 04-JAN-2011 07:09:39; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;46256  
 28; 2674.5; 04-JAN-2011 07:11:52; Bright; 39.5; 42; 34Bet Aur ; 1.90; 10200;occ; 79; 0;46256  
 29; 3666.8; 04-JAN-2011 07:28:24; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;46256

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1; 935.1; 04-JAN-2011 20:04:45; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;46264  
 2; 1065.4; 04-JAN-2011 20:06:55; Dark ; 48.0; 70; Zet Pup ; 2.25; 39000;occ; 96; 0;46264  
 3; 1182.3; 04-JAN-2011 20:08:52; Dark ; 51.5; 117; Pi Pup ; 2.71; 3800;occ; 103; 0;46264  
 4; 1345.0; 04-JAN-2011 20:11:35; Dark ; 47.5; 23; 21Eps CMa ; 1.50; 26000;occ; 95; 0;46264

5; 1434.7; 04-JAN-2011 20:13:04; Dark ; 45.0; 179; 240mi2CMA ; 3.03; 24000;occ; 90; 0;46264  
6; 1577.2; 04-JAN-2011 20:15:27; Dark ; 48.0; 1; 9Alp CMA ;-1.44; 11000;occ; 96; 0;46264  
7; 2018.0; 04-JAN-2011 20:22:48; Dark ; 49.0; 14; 58Alp Ori ; 0.87; 3000;occ; 98; 0;46264  
8; 2198.5; 04-JAN-2011 20:25:48; Dark ; 44.5; 44; 24Gam Gem ; 1.93; 11000;occ; 89; 0;46264  
9; 2298.1; 04-JAN-2011 20:27:28; Bright; 43.5; 151; 13Mu Gem ; 2.89; 3000;occ; 87; 0;46264  
10; 2540.1; 04-JAN-2011 20:31:30; Bright; 37.0; 107; 37The Aur ; 2.65; 11000;occ; 74; 0;46264  
11; 2672.8; 04-JAN-2011 20:33:42; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;46264  
12; 3665.9; 04-JAN-2011 20:50:15; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;46264  
13; 3930.7; 04-JAN-2011 20:54:40; Bright; 48.0; 55; 79Zet UMa ; 2.06; 10200;occ; 96; 0;46264  
14; 4074.3; 04-JAN-2011 20:57:04; Bright; 44.0; 39; 85Eta UMa ; 1.85; 24000;occ; 88; 0;46264  
15; 4332.3; 04-JAN-2011 21:01:22; Bright; 46.0; 180; 27Gam Boo ; 3.04; 8000;occ; 92; 0;46264  
16; 4563.7; 04-JAN-2011 21:05:13; Bright; 65.0; 83; ; 2.38; 11000;occ; 130; 0;46264  
17; 4885.5; 04-JAN-2011 21:10:35; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;46264  
18; 5197.6; 04-JAN-2011 21:15:47; Bright; 0.5; 104; 27Bet Lib ; 2.61; 13100;occ; 1; 0;46264

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1; -816.4; 04-JAN-2011 21:15:47; Bright; 50.0; 104; 27Bet Lib ; 2.61; 13100;occ; 100; 0;46264  
2; -649.4; 04-JAN-2011 21:18:34; Dark ; 47.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 94; 0;46264  
3; -230.7; 04-JAN-2011 21:25:33; Dark ; 50.5; 54; 5The Cen ; 2.06; 4500;occ; 101; 0;46264  
4; -71.9; 04-JAN-2011 21:28:12; Dark ; 42.0; 95; Zet Cen ; 2.55; 26000;occ; 84; 0;46264  
5; 29.4; 04-JAN-2011 21:29:53; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;46265  
6; 147.6; 04-JAN-2011 21:31:51; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;46265  
7; 262.7; 04-JAN-2011 21:33:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46265  
8; 518.7; 04-JAN-2011 21:38:02; Dark ; 56.0; 113; Mu Vel ; 2.69; 5000;occ; 112; 0;46265  
9; 652.9; 04-JAN-2011 21:40:16; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;46265  
10; 766.8; 04-JAN-2011 21:42:10; Dark ; 48.0; 46; Del Vel ; 1.95; 10600;occ; 96; 0;46265  
11; 935.6; 04-JAN-2011 21:44:59; Dark ; 43.0; 34; Gam2Vel ; 1.79; 23000;occ; 86; 0;46265  
12; 1066.1; 04-JAN-2011 21:47:10; Dark ; 47.5; 70; Zet Pup ; 2.25; 39000;occ; 95; 0;46265  
13; 1182.4; 04-JAN-2011 21:49:06; Dark ; 47.5; 117; Pi Pup ; 2.71; 3800;occ; 95; 0;46265  
14; 1345.2; 04-JAN-2011 21:51:49; Dark ; 46.5; 23; 21Eps CMA ; 1.50; 26000;occ; 93; 0;46265  
15; 1434.6; 04-JAN-2011 21:53:18; Dark ; 46.0; 179; 240mi2CMA ; 3.03; 24000;occ; 92; 0;46265  
16; 1577.1; 04-JAN-2011 21:55:41; Dark ; 50.5; 1; 9Alp CMA ;-1.44; 11000;occ; 101; 0;46265  
17; 2018.1; 04-JAN-2011 22:03:02; Dark ; 48.5; 14; 58Alp Ori ; 0.87; 3000;occ; 97; 0;46265  
18; 2198.2; 04-JAN-2011 22:06:02; Dark ; 49.0; 44; 24Gam Gem ; 1.93; 11000;occ; 98; 0;46265  
19; 2297.8; 04-JAN-2011 22:07:41; Bright; 46.5; 151; 13Mu Gem ; 2.89; 3000;occ; 93; 0;46265  
20; 2539.8; 04-JAN-2011 22:11:43; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;46265  
21; 2672.5; 04-JAN-2011 22:13:56; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;46265  
22; 3665.6; 04-JAN-2011 22:30:29; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;46265  
23; 3930.5; 04-JAN-2011 22:34:54; Bright; 47.0; 55; 79Zet UMa ; 2.06; 10200;occ; 94; 0;46265  
24; 4074.0; 04-JAN-2011 22:37:18; Bright; 69.0; 39; 85Eta UMa ; 1.85; 24000;occ; 138; 0;46265  
25; 4332.2; 04-JAN-2011 22:41:36; Bright; 44.0; 180; 27Gam Boo ; 3.04; 8000;occ; 88; 0;46265  
26; 4563.9; 04-JAN-2011 22:45:27; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;46265  
27; 4885.6; 04-JAN-2011 22:50:49; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;46265  
28; 5198.1; 04-JAN-2011 22:56:02; Bright; 50.0; 104; 27Bet Lib ; 2.61; 13100;occ; 100; 0;46265

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1; -2144.6; 04-JAN-2011 07:31:47; Bright; 27.0; 32; 77Eps UMa ; 1.76; 11000;occ; 54; 0;46256  
2; -2080.2; 04-JAN-2011 07:32:51; Bright; 47.0; 55; 79Zet UMa ; 2.06; 10200;occ; 94; 0;46256  
3; -1937.7; 04-JAN-2011 07:35:14; Bright; 47.5; 39; 85Eta UMa ; 1.85; 24000;occ; 95; 0;46256  
4; -1681.8; 04-JAN-2011 07:39:30; Bright; 65.0; 180; 27Gam Boo ; 3.04; 8000;occ; 130; 0;46256  
5; -1452.1; 04-JAN-2011 07:43:19; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;46256  
6; -1131.2; 04-JAN-2011 07:48:40; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;46256  
7; -820.6; 04-JAN-2011 07:53:51; Bright; 39.5; 104; 27Bet Lib ; 2.61; 13100;occ; 79; 0;46256  
8; -654.9; 04-JAN-2011 07:56:37; Dark ; 47.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 94; 0;46256  
9; -236.7; 04-JAN-2011 08:03:35; Dark ; 46.0; 54; 5The Cen ; 2.06; 4500;occ; 92; 0;46256  
10; -77.3; 04-JAN-2011 08:06:14; Dark ; 40.5; 95; Zet Cen ; 2.55; 26000;occ; 81; 0;46256  
11; 24.5; 04-JAN-2011 08:07:56; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;46257  
12; 141.1; 04-JAN-2011 08:09:53; Dark ; 47.0; 64; Gam Cen ; 2.20; 10600;occ; 94; 0;46257  
13; 255.2; 04-JAN-2011 08:11:47; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46257  
14; 512.0; 04-JAN-2011 08:16:03; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;46257  
15; 648.9; 04-JAN-2011 08:18:20; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;46257  
16; 762.9; 04-JAN-2011 08:20:14; Dark ; 44.0; 46; Del Vel ; 1.95; 10600;occ; 88; 0;46257  
17; 931.9; 04-JAN-2011 08:23:03; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;46257  
18; 1062.4; 04-JAN-2011 08:25:14; Dark ; 45.0; 70; Zet Pup ; 2.25; 39000;occ; 90; 0;46257  
19; 1180.1; 04-JAN-2011 08:27:11; Dark ; 49.5; 117; Pi Pup ; 2.71; 3800;occ; 99; 0;46257  
20; 1343.4; 04-JAN-2011 08:29:55; Dark ; 47.5; 23; 21Eps CMA ; 1.50; 26000;occ; 95; 0;46257  
21; 1433.5; 04-JAN-2011 08:31:25; Dark ; 41.5; 179; 240mi2CMA ; 3.03; 24000;occ; 83; 0;46257  
22; 1576.4; 04-JAN-2011 08:33:48; Dark ; 49.0; 1; 9Alp CMA ;-1.44; 11000;occ; 98; 0;46257

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1; 1576.4; 04-JAN-2011 08:33:48; Dark ; 49.5; 1; 9Alp CMA ;-1.44; 11000;occ; 99; 0;46257

2; 2018.4; 04-JAN-2011 08:41:10; Dark ; 54.0; 14; 58Alp Ori ; 0.87; 3000;occ; 108; 0;46257  
3; 2200.8; 04-JAN-2011 08:44:12; Dark ; 40.5; 44; 24Gam Gem ; 1.93; 11000;occ; 81; 0;46257  
4; 2299.8; 04-JAN-2011 08:45:51; Bright; 45.5; 151; 13Mu Gem ; 2.89; 3000;occ; 91; 0;46257  
5; 2541.5; 04-JAN-2011 08:49:53; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;46257  
6; 2674.4; 04-JAN-2011 08:52:06; Bright; 39.5; 42; 34Bet Aur ; 1.90; 10200;occ; 79; 0;46257  
7; 3666.8; 04-JAN-2011 09:08:38; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;46257  
8; 3869.0; 04-JAN-2011 09:12:00; Bright; 27.0; 32; 77Eps UMa ; 1.76; 11000;occ; 54; 0;46257  
9; 3933.6; 04-JAN-2011 09:13:05; Bright; 46.0; 55; 79Zet UMa ; 2.06; 10200;occ; 92; 0;46257  
10; 4076.1; 04-JAN-2011 09:15:28; Bright; 68.0; 39; 85Eta UMa ; 1.85; 24000;occ; 136; 0;46257  
11; 4332.1; 04-JAN-2011 09:19:44; Bright; 50.5; 180; 27Gam Boo ; 3.04; 8000;occ; 101; 0;46257  
12; 4562.2; 04-JAN-2011 09:23:34; Bright; 43.0; 83; ; 2.38; 11000;occ; 86; 0;46257  
13; 4883.1; 04-JAN-2011 09:28:55; Bright; 37.5; 102; 24Alp Ser ; 2.60; 4250;occ; 75; 0;46257  
14; 5194.0; 04-JAN-2011 09:34:05; Bright; 54.0; 104; 27Bet Lib ; 2.61; 13100;occ; 108; 0;46257  
15; 5359.9; 04-JAN-2011 09:36:51; Dark ; 44.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 89; 0;46257  
16; 5777.9; 04-JAN-2011 09:43:49; Dark ; 44.5; 54; 5The Cen ; 2.06; 4500;occ; 89; 0;46257  
17; 5937.5; 04-JAN-2011 09:46:29; Dark ; 42.5; 95; Zet Cen ; 2.55; 26000;occ; 85; 0;46257  
18; 6039.2; 04-JAN-2011 09:48:11; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;46258  
19; 6155.9; 04-JAN-2011 09:50:07; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;46258  
20; 6270.1; 04-JAN-2011 09:52:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46258  
21; 6526.7; 04-JAN-2011 09:56:18; Dark ; 54.0; 113; Mu Vel ; 2.69; 5000;occ; 108; 0;46258  
22; 6663.3; 04-JAN-2011 09:58:35; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;46258  
23; 6777.4; 04-JAN-2011 10:00:29; Dark ; 42.0; 46; Del Vel ; 1.95; 10600;occ; 84; 0;46258  
24; 6946.3; 04-JAN-2011 10:03:18; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;46258  
25; 7076.8; 04-JAN-2011 10:05:28; Dark ; 45.0; 70; Zet Pup ; 2.25; 39000;occ; 90; 0;46258  
26; 7194.4; 04-JAN-2011 10:07:26; Dark ; 49.5; 117; Pi Pup ; 2.71; 3800;occ; 99; 0;46258  
27; 7357.6; 04-JAN-2011 10:10:09; Dark ; 45.5; 23; 21Eps CMA ; 1.50; 26000;occ; 91; 0;46258  
28; 7447.7; 04-JAN-2011 10:11:39; Dark ; 44.0; 179; 24Omi2CMA ; 3.03; 24000;occ; 88; 0;46258  
29; 7590.3; 04-JAN-2011 10:14:02; Dark ; 55.5; 1; 9Alp CMA ; -1.44; 11000;occ; 111; 0;46258

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1; 1576.4; 04-JAN-2011 10:14:02; Dark ; 56.0; 1; 9Alp CMA ; -1.44; 11000;occ; 112; 0;46258  
2; 2018.5; 04-JAN-2011 10:21:24; Dark ; 51.5; 14; 58Alp Ori ; 0.87; 3000;occ; 103; 0;46258  
3; 2200.2; 04-JAN-2011 10:24:26; Dark ; 39.5; 44; 24Gam Gem ; 1.93; 11000;occ; 79; 0;46258  
4; 2299.5; 04-JAN-2011 10:26:05; Bright; 41.0; 151; 13Mu Gem ; 2.89; 3000;occ; 82; 0;46258  
5; 2541.3; 04-JAN-2011 10:30:07; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;46258  
6; 2674.1; 04-JAN-2011 10:32:20; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;46258  
7; 3666.6; 04-JAN-2011 10:48:52; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;46258  
8; 3933.2; 04-JAN-2011 10:53:19; Bright; 45.0; 55; 79Zet UMa ; 2.06; 10200;occ; 90; 0;46258  
9; 4075.8; 04-JAN-2011 10:55:41; Bright; 45.5; 39; 85Eta UMa ; 1.85; 24000;occ; 91; 0;46258  
10; 4332.0; 04-JAN-2011 10:59:57; Bright; 65.0; 180; 27Gam Boo ; 3.04; 8000;occ; 130; 0;46258  
11; 4562.3; 04-JAN-2011 11:03:48; Bright; 45.0; 83; ; 2.38; 11000;occ; 90; 0;46258  
12; 4883.4; 04-JAN-2011 11:09:09; Bright; 56.0; 102; 24Alp Ser ; 2.60; 4250;occ; 112; 0;46258  
13; 5194.4; 04-JAN-2011 11:14:20; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;46258  
14; 5360.5; 04-JAN-2011 11:17:06; Dark ; 44.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 88; 0;46258  
15; 5778.6; 04-JAN-2011 11:24:04; Dark ; 47.0; 54; 5The Cen ; 2.06; 4500;occ; 94; 0;46258  
16; 5938.0; 04-JAN-2011 11:26:43; Dark ; 42.0; 95; Zet Cen ; 2.55; 26000;occ; 84; 0;46258  
17; 6039.8; 04-JAN-2011 11:28:25; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;46259  
18; 6156.5; 04-JAN-2011 11:30:22; Dark ; 46.0; 64; Gam Cen ; 2.20; 10600;occ; 92; 0;46259  
19; 6271.0; 04-JAN-2011 11:32:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46259  
20; 6527.6; 04-JAN-2011 11:36:33; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;46259  
21; 6664.1; 04-JAN-2011 11:38:50; Dark ; 39.5; 71; Iot Car ; 2.25; 7700;occ; 79; 0;46259  
22; 6777.7; 04-JAN-2011 11:40:43; Dark ; 42.0; 46; Del Vel ; 1.95; 10600;occ; 84; 0;46259  
23; 6946.9; 04-JAN-2011 11:43:32; Dark ; 43.0; 34; Gam2Vel ; 1.79; 23000;occ; 86; 0;46259  
24; 7077.3; 04-JAN-2011 11:45:43; Dark ; 45.5; 70; Zet Pup ; 2.25; 39000;occ; 91; 0;46259  
25; 7194.8; 04-JAN-2011 11:47:40; Dark ; 48.0; 117; Pi Pup ; 2.71; 3800;occ; 96; 0;46259  
26; 7357.8; 04-JAN-2011 11:50:23; Dark ; 47.0; 23; 21Eps CMA ; 1.50; 26000;occ; 94; 0;46259  
27; 7447.8; 04-JAN-2011 11:51:53; Dark ; 42.0; 179; 24Omi2CMA ; 3.03; 24000;occ; 84; 0;46259  
28; 7590.5; 04-JAN-2011 11:54:16; Dark ; 49.0; 1; 9Alp CMA ; -1.44; 11000;occ; 98; 0;46259

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2; 2018.5; 04-JAN-2011 12:01:38; Dark ; 51.0; 14; 58Alp Ori ; 0.87; 3000;occ; 102; 0;46259  
3; 2200.0; 04-JAN-2011 12:04:39; Dark ; 45.5; 44; 24Gam Gem ; 1.93; 11000;occ; 91; 0;46259  
4; 2299.3; 04-JAN-2011 12:06:19; Bright; 56.0; 151; 13Mu Gem ; 2.89; 3000;occ; 112; 0;46259  
5; 2541.1; 04-JAN-2011 12:10:20; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;46259  
6; 2674.0; 04-JAN-2011 12:12:33; Bright; 39.5; 42; 34Bet Aur ; 1.90; 10200;occ; 79; 0;46259  
7; 3666.6; 04-JAN-2011 12:29:06; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;46259  
8; 3932.8; 04-JAN-2011 12:33:32; Bright; 45.5; 55; 79Zet UMa ; 2.06; 10200;occ; 91; 0;46259  
9; 4075.4; 04-JAN-2011 12:35:55; Bright; 47.0; 39; 85Eta UMa ; 1.85; 24000;occ; 94; 0;46259  
10; 4332.2; 04-JAN-2011 12:40:12; Bright; 43.0; 180; 27Gam Boo ; 3.04; 8000;occ; 86; 0;46259



11; 4562.5; 04-JAN-2011 12:44:02; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;46259  
 12; 4883.7; 04-JAN-2011 12:49:23; Bright; 56.0; 102; 24Alp Ser ; 2.60; 4250;occ; 112; 0;46259  
 13; 5195.1; 04-JAN-2011 12:54:35; Bright; 58.0; 104; 27Bet Lib ; 2.61; 13100;occ; 116; 0;46259  
 14; 5361.1; 04-JAN-2011 12:57:20; Dark ; 47.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 95; 0;46259  
 15; 5779.5; 04-JAN-2011 13:04:19; Dark ; 49.0; 54; 5The Cen ; 2.06; 4500;occ; 98; 0;46259  
 16; 5938.7; 04-JAN-2011 13:06:58; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;46259  
 17; 6040.2; 04-JAN-2011 13:08:40; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;46260  
 18; 6157.5; 04-JAN-2011 13:10:37; Dark ; 46.0; 64; Gam Cen ; 2.20; 10600;occ; 92; 0;46260  
 19; 6272.0; 04-JAN-2011 13:12:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46260  
 20; 6528.5; 04-JAN-2011 13:16:48; Dark ; 48.0; 113; Mu Vel ; 2.69; 5000;occ; 96; 0;46260  
 21; 6664.6; 04-JAN-2011 13:19:04; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;46260  
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 23; 6947.4; 04-JAN-2011 13:23:47; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;46260  
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15; 5979.0; 08-JAN-2011 14:01:11; Dark ; 42.0; 95; Zet Cen ; 2.55; 26000;occ; 84; 0;46317
16; 6076.3; 08-JAN-2011 14:02:49; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;46318

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 23; 7103.5; 08-JAN-2011 14:19:56; Dark ; 46.5; 70; Zet Pup ; 2.25; 39000;occ; 93; 0;46318  
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 24; 7103.9; 08-JAN-2011 16:00:10; Dark ; 47.0; 70; Zet Pup ; 2.25; 39000;occ; 94; 0;46319  
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 7; 2532.1; 08-JAN-2011 16:24:12; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;46319  
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 12; 4576.7; 08-JAN-2011 16:58:17; Bright; 69.0; 83; ; 2.38; 11000;occ; 138; 0;46319  
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 16; 5829.4; 08-JAN-2011 17:19:10; Dark ; 47.5; 54; 5The Cen ; 2.06; 4500;occ; 95; 0;46319  
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11; 3904.7; 08-JAN-2011 18:27:19; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;46320  
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22; 6580.8; 08-JAN-2011 19:11:55; Dark ; 50.0; 113; Mu Vel ; 2.69; 5000;occ; 100; 0;46321  
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 4; -1436.0; 09-JAN-2011 02:59:42; Bright; 70.0; 83; ; 2.38; 11000;occ; 140; 0;46325
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4; 2279.3; 14-JAN-2011 10:59:23; Bright; 48.5; 151; 13Mu Gem ; 2.89; 3000;occ; 97; 0;46402
5; 2458.7; 14-JAN-2011 11:02:22; Bright; 47.5; 17; 78Bet Gem ; 1.16; 4500;occ; 95; 0;46402
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7; 3902.8; 14-JAN-2011 11:26:26; Bright; 34.0; 119; 14Eta Dra ; 2.73; 4700;occ; 68; 0;46402
8; 4430.1; 14-JAN-2011 11:35:14; Bright; 54.0; 133; 40Zet Her ; 2.81; 6000;occ; 108; 0;46402
9; 4561.9; 14-JAN-2011 11:37:25; Bright; 63.0; 67; 5Alp CrB ; 2.22; 11000;occ; 126; 0;46402
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16; 6043.2; 14-JAN-2011 12:02:07; Dark ; 41.5; 95; Zet Cen ; 2.55; 26000;occ; 83; 0;46403
17; 6289.2; 14-JAN-2011 12:06:13; Dark ; 40.5; 20; Bet Cru ; 1.25; 30000;occ; 81; 0;46403
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21; 7008.3; 14-JAN-2011 12:18:12; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;46403
22; 7136.6; 14-JAN-2011 12:20:20; Dark ; 41.5; 70; Zet Pup ; 2.25; 39000;occ; 83; 0;46403
23; 7365.0; 14-JAN-2011 12:24:09; Dark ; 42.5; 88; 31Eta CMA ; 2.45; 20000;occ; 85; 0;46403
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4; 2176.3; 14-JAN-2011 12:37:54; Dark ; 46.5; 44; 24Gam Gem ; 1.93; 11000;occ; 93; 0;46403
5; 2279.2; 14-JAN-2011 12:39:37; Bright; 44.5; 151; 13Mu Gem ; 2.89; 3000;occ; 89; 0;46403
6; 2458.3; 14-JAN-2011 12:42:36; Bright; 48.0; 17; 78Bet Gem ; 1.16; 4500;occ; 96; 0;46403
7; 3646.3; 14-JAN-2011 13:02:24; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;46403
8; 3902.9; 14-JAN-2011 13:06:40; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;46403

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 11; 4941.4; 14-JAN-2011 13:23:59; Bright; 61.0; 102; 24Alp Ser ; 2.60; 4250;occ; 122; 0;46403  
 12; 5069.7; 14-JAN-2011 13:26:07; Bright; 56.0; 120; 1Del Oph ; 2.73; 3200;occ; 112; 0;46403  
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 14; 5403.4; 14-JAN-2011 13:31:41; Dark ; 46.0; 80; 7Del Sco ; 2.32; 30000;occ; 92; 0;46403  
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 16; 5924.5; 14-JAN-2011 13:40:22; Dark ; 41.5; 78; Alp Lup ; 2.30; 28000;occ; 83; 0;46403  
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 21; 6846.0; 14-JAN-2011 13:55:44; Dark ; 39.5; 46; Del Vel ; 1.95; 10600;occ; 79; 0;46404  
 22; 7008.8; 14-JAN-2011 13:58:26; Dark ; 42.5; 34; Gam2Vel ; 1.79; 23000;occ; 85; 0;46404  
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 5; 2279.0; 14-JAN-2011 14:19:51; Bright; 42.0; 151; 13Mu Gem ; 2.89; 3000;occ; 84; 0;46404  
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 7; 3646.1; 14-JAN-2011 14:42:38; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;46404  
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 9; 4430.9; 14-JAN-2011 14:55:42; Bright; 54.0; 133; 40Zet Her ; 2.81; 6000;occ; 108; 0;46404  
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 19; 6408.4; 14-JAN-2011 15:28:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46405  
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 22; 7009.2; 14-JAN-2011 15:38:41; Dark ; 40.5; 34; Gam2Vel ; 1.79; 23000;occ; 81; 0;46405  
 23; 7137.3; 14-JAN-2011 15:40:49; Dark ; 43.5; 70; Zet Pup ; 2.25; 39000;occ; 87; 0;46405  
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 22; 6846.9; 14-JAN-2011 17:16:12; Dark ; 42.5; 46; Del Vel ; 1.95; 10600;occ; 85; 0;46406  
 23; 7009.8; 14-JAN-2011 17:18:55; Dark ; 42.0; 34; Gam2Vel ; 1.79; 23000;occ; 84; 0;46406  
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2;	1351.4;	14-JAN-2011	17:24:51;	Dark	;	45.0;	88;	31Eta CMa	;	2.45;	20000;occ;	90;	0;	46406
3;	1462.8;	14-JAN-2011	17:26:42;	Dark	;	42.5;	179;	240mi2CMa	;	3.03;	24000;occ;	85;	0;	46406
4;	1596.2;	14-JAN-2011	17:28:56;	Dark	;	46.5;	1;	9Alp CMa	;	-1.44;	11000;occ;	93;	0;	46406
5;	2002.4;	14-JAN-2011	17:35:42;	Dark	;	62.5;	8;	10Alp CMi	;	0.40;	6500;occ;	125;	0;	46406
6;	2176.1;	14-JAN-2011	17:38:36;	Dark	;	55.0;	44;	24Gam Gem	;	1.93;	11000;occ;	110;	0;	46406
7;	2278.7;	14-JAN-2011	17:40:18;	Bright;	;	42.0;	151;	13Mu Gem	;	2.89;	3000;occ;	84;	0;	46406
8;	2456.6;	14-JAN-2011	17:43:16;	Bright;	;	47.5;	17;	78Bet Gem	;	1.16;	4500;occ;	95;	0;	46406
9;	3645.7;	14-JAN-2011	18:03:05;	Bright;	;	40.5;	60;	7Bet UMi	;	2.08;	3950;occ;	81;	0;	46406
10;	3902.8;	14-JAN-2011	18:07:23;	Bright;	;	38.5;	119;	14Eta Dra	;	2.73;	4700;occ;	77;	0;	46406
11;	4431.1;	14-JAN-2011	18:16:11;	Bright;	;	54.0;	133;	40Zet Her	;	2.81;	6000;occ;	108;	0;	46406
12;	4563.1;	14-JAN-2011	18:18:23;	Bright;	;	63.0;	67;	5Alp CrB	;	2.22;	11000;occ;	126;	0;	46406
13;	4942.9;	14-JAN-2011	18:24:43;	Bright;	;	62.0;	102;	24Alp Ser	;	2.60;	4250;occ;	124;	0;	46406
14;	5070.9;	14-JAN-2011	18:26:51;	Bright;	;	37.0;	120;	1Del Oph	;	2.73;	3200;occ;	74;	0;	46406
15;	5288.1;	14-JAN-2011	18:30:28;	Dark	;	50.0;	104;	27Bet Lib	;	2.61;	13100;occ;	100;	0;	46406
16;	5405.1;	14-JAN-2011	18:32:25;	Dark	;	41.5;	80;	7Del Sco	;	2.32;	30000;occ;	83;	0;	46406
17;	5836.0;	14-JAN-2011	18:39:36;	Dark	;	42.0;	109;	Bet Lup	;	2.68;	26000;occ;	84;	0;	46406
18;	5926.4;	14-JAN-2011	18:41:06;	Dark	;	41.0;	78;	Alp Lup	;	2.30;	28000;occ;	82;	0;	46406
19;	6046.4;	14-JAN-2011	18:43:06;	Dark	;	43.5;	95;	Zet Cen	;	2.55;	26000;occ;	87;	0;	46407
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21;	6410.3;	14-JAN-2011	18:49:10;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	46407
22;	6735.5;	14-JAN-2011	18:54:35;	Dark	;	42.0;	71;	Iot Car	;	2.25;	7700;occ;	84;	0;	46407
23;	6847.3;	14-JAN-2011	18:56:27;	Dark	;	40.5;	46;	Del Vel	;	1.95;	10600;occ;	81;	0;	46407
24;	7010.0;	14-JAN-2011	18:59:10;	Dark	;	40.0;	34;	Gam2Vel	;	1.79;	23000;occ;	80;	0;	46407
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2;	1124.1;	14-JAN-2011	19:01:18;	Dark	;	45.5;	70;	Zet Pup	;	2.25;	39000;occ;	91;	0;	46407
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4;	1463.1;	14-JAN-2011	19:06:57;	Dark	;	41.5;	179;	240mi2CMa	;	3.03;	24000;occ;	83;	0;	46407
5;	1599.6;	14-JAN-2011	19:09:13;	Dark	;	46.0;	1;	9Alp CMa	;	-1.44;	11000;occ;	92;	0;	46407
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8;	2278.7;	14-JAN-2011	19:20:32;	Bright;	;	42.0;	151;	13Mu Gem	;	2.89;	3000;occ;	84;	0;	46407
9;	2456.3;	14-JAN-2011	19:23:30;	Bright;	;	48.5;	17;	78Bet Gem	;	1.16;	4500;occ;	97;	0;	46407
10;	3645.5;	14-JAN-2011	19:43:19;	Bright;	;	38.0;	60;	7Bet UMi	;	2.08;	3950;occ;	76;	0;	46407
11;	3902.8;	14-JAN-2011	19:47:37;	Bright;	;	37.0;	119;	14Eta Dra	;	2.73;	4700;occ;	74;	0;	46407
12;	4431.1;	14-JAN-2011	19:56:25;	Bright;	;	54.0;	133;	40Zet Her	;	2.81;	6000;occ;	108;	0;	46407
13;	4563.1;	14-JAN-2011	19:58:37;	Bright;	;	63.0;	67;	5Alp CrB	;	2.22;	11000;occ;	126;	0;	46407
14;	4943.4;	14-JAN-2011	20:04:57;	Bright;	;	62.0;	102;	24Alp Ser	;	2.60;	4250;occ;	124;	0;	46407
15;	5071.3;	14-JAN-2011	20:07:05;	Bright;	;	56.0;	120;	1Del Oph	;	2.73;	3200;occ;	112;	0;	46407
16;	5288.8;	14-JAN-2011	20:10:43;	Dark	;	49.0;	104;	27Bet Lib	;	2.61;	13100;occ;	98;	0;	46407
17;	5405.5;	14-JAN-2011	20:12:39;	Dark	;	44.5;	80;	7Del Sco	;	2.32;	30000;occ;	89;	0;	46407
18;	5836.5;	14-JAN-2011	20:19:50;	Dark	;	41.0;	109;	Bet Lup	;	2.68;	26000;occ;	82;	0;	46407
19;	5926.8;	14-JAN-2011	20:21:21;	Dark	;	41.0;	78;	Alp Lup	;	2.30;	28000;occ;	82;	0;	46407
20;	6047.2;	14-JAN-2011	20:23:21;	Dark	;	43.0;	95;	Zet Cen	;	2.55;	26000;occ;	86;	0;	46408
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 5; 3368.4; 21-JAN-2011 15:21:36; Bright; 49.0; 36; 50Alp UMa ; 1.80; 6300;occ; 98; 0;46505  
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7; 3895.9; 21-JAN-2011 15:30:23; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;46505  
8; 4445.0; 21-JAN-2011 15:39:32; Bright; 57.0; 133; 40Zet Her ; 2.81; 6000;occ; 114; 0;46505  
9; 4586.2; 21-JAN-2011 15:41:54; Bright; 70.0; 67; 5Alp CrB ; 2.22; 11000;occ; 140; 0;46505  
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22; 6827.3; 21-JAN-2011 16:19:15; Dark ; 38.0; 91; Kap Vel ; 2.49; 26000;occ; 76; 0;46506  
23; 7025.8; 21-JAN-2011 16:22:33; Dark ; 47.5; 65; Lam Vel ; 2.20; 4400;occ; 95; 0;46506  
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4; 2413.9; 21-JAN-2011 16:45:55; Bright; 44.0; 17; 78Bet Gem ; 1.16; 4500;occ; 88; 0;46506  
5; 3367.8; 21-JAN-2011 17:01:49; Bright; 49.0; 36; 50Alp UMa ; 1.80; 6300;occ; 98; 0;46506  
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7; 3895.9; 21-JAN-2011 17:10:37; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;46506  
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9; 4586.5; 21-JAN-2011 17:22:08; Bright; 47.5; 67; 5Alp CrB ; 2.22; 11000;occ; 95; 0;46506  
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5; 2413.6; 21-JAN-2011 18:26:09; Bright; 45.0; 17; 78Bet Gem ; 1.16; 4500;occ; 90; 0;46507  
6; 3367.0; 21-JAN-2011 18:42:03; Bright; 48.5; 36; 50Alp UMa ; 1.80; 6300;occ; 97; 0;46507  
7; 3626.9; 21-JAN-2011 18:46:22; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;46507  
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5; 220.1; 22-JAN-2011 00:30:32; Dark ; 54.5; 123; Iot Cen ; 2.75; 10200;occ; 109; 0;46511
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13; 1429.0; 22-JAN-2011 02:30:55; Dark ; 46.0; 132; 15Rho Pup ; 2.80; 6900;occ; 92; 0;46512
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14; 5818.5; 24-JAN-2011 19:12:57; Dark ; 40.0; 131; Gam Lup ; 2.80; 26000;occ; 80; 0;46550
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 6; 3617.8; 24-JAN-2011 20:16:30; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;46551
 7; 3891.0; 24-JAN-2011 20:21:03; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;46551
 8; 4065.3; 24-JAN-2011 20:23:58; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;46551
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13; 5485.4; 24-JAN-2011 20:47:38; Dark ; 57.0; 16; 21Alp Sco ; 1.02; 3000;occ; 114; 0;46551
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6;	450.6;	30-JAN-2011	02:21:28;	Dark	;	41.5;	12;	Alp1Cru	;	0.77;	30000;occ;	83;	0;46627
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13;	3283.2;	30-JAN-2011	03:08:40;	Bright;	;	47.0;	36;	50Alp UMA	;	1.80;	6300;occ;	94;	0;46627
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4;	-1552.5;	30-JAN-2011	03:28:19;	Bright;	;	41.5;	133;	40Zet Her	;	2.81;	6000;occ;	83;	0;46627
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6;	-1245.9;	30-JAN-2011	03:33:25;	Bright;	;	36.0;	59;	55Alp Oph	;	2.08;	8900;occ;	72;	0;46627
7;	-735.6;	30-JAN-2011	03:41:56;	Dark	;	42.0;	86;	35Eta Oph	;	2.43;	10200;occ;	84;	0;46627
8;	-482.8;	30-JAN-2011	03:46:08;	Dark	;	59.0;	16;	21Alp Sco	;	1.02;	3000;occ;	118;	0;46627
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15;	792.4;	30-JAN-2011	04:07:23;	Dark	;	49.5;	113;	Mu Vel	;	2.69;	5000;occ;	99;	0;46628
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3;	-1552.2;	30-JAN-2011	05:08:33;	Bright;	;	42.0;	133;	40Zet Her	;	2.81;	6000;occ;	84;	0;46628
4;	-1339.9;	30-JAN-2011	05:12:05;	Bright;	;	65.0;	127;	27Bet Her	;	2.78;	4700;occ;	130;	0;46628
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7;	-482.1;	30-JAN-2011	05:26:23;	Dark	;	59.0;	16;	21Alp Sco	;	1.02;	3000;occ;	118;	0;46628
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19;	6275.4;	31-JAN-2011	20:04:09;	Dark	;	41.5;	10;	Bet Cen	;	0.61;	28000;occ;	83;	0;46652
20;	6478.4;	31-JAN-2011	20:07:32;	Dark	;	40.5;	12;	Alp1Cru	;	0.77;	30000;occ;	81;	0;46652
21;	6598.7;	31-JAN-2011	20:09:32;	Dark	;	46.0;	99;	Del Cen	;	2.58;	26000;occ;	92;	0;46652
22;	6821.1;	31-JAN-2011	20:13:15;	Dark	;	44.0;	113;	Mu Vel	;	2.69;	5000;occ;	88;	0;46652