

GOMOS Daily Report 22-JAN-2011

Level 0 and Level 1 products

SUMMARY

[1. General Info](#)

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

[2.1 Level 0: products arrived in PCF during current month \(see template here\)](#)

[2.2 Level 0: plot of mission plan versus production during reporting period](#)

[2.3 Level 0: summary of missing occultations with respect to the plan](#)

[2.4 Level 1: products arrived in PCF during reporting period](#)

[3. Plot of Spectrometers and Photometers temperatures](#)

[4. Dark Charge monitoring](#)

[4.1 Products that did not use the Dark Sky Area observation for DC computation](#)

[4.2 Plot of Dark Charge](#)

[5. Demodulation correction and quality product information monitoring](#)

[5.1 Percentage of products with some flags set](#)

[5.2 Plot of quality information per product \(time dependant\)](#)

[5.3 Plot of quality information per product \(world map\)](#)

[6. Star tangent altitude lost](#)

[6.1 Statistics on star tangent altitude lost](#)

[6.2 Plot of star tangent altitude lost: DARK products](#)

[6.3 Plot of star tangent altitude lost: BRIGHT products](#)

[6.3 Plot of star tangent altitude lost: TWILIGHT products](#)

[7. Star Acquisition and Tracking Unit \(SATU\)](#)

[7.1 SATU plots \(dark limb\): 'X' and 'Y' axis](#)

[7.2 SATU Noise Equivalent Angle statistics](#)

[7.2.1 SATU NEA Statistics \(table\)](#)

[7.2.2 Daily SATU NEA STD \(dark limb\) - trend since 1st April 2006](#)

[8. Auxiliary Data Files used for the production reported in section 2.4](#)

[Level 2 products](#)

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	25JAN2011 07:05:24
Data source version	GOMOS/5.01
Start time of products	22JAN2011 00:00:43
Stop time of products	22JAN2011 23:56:42
Store outputs in DB	Yes
Nb of level 1b prods	324
Nb of prods with errors	2

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

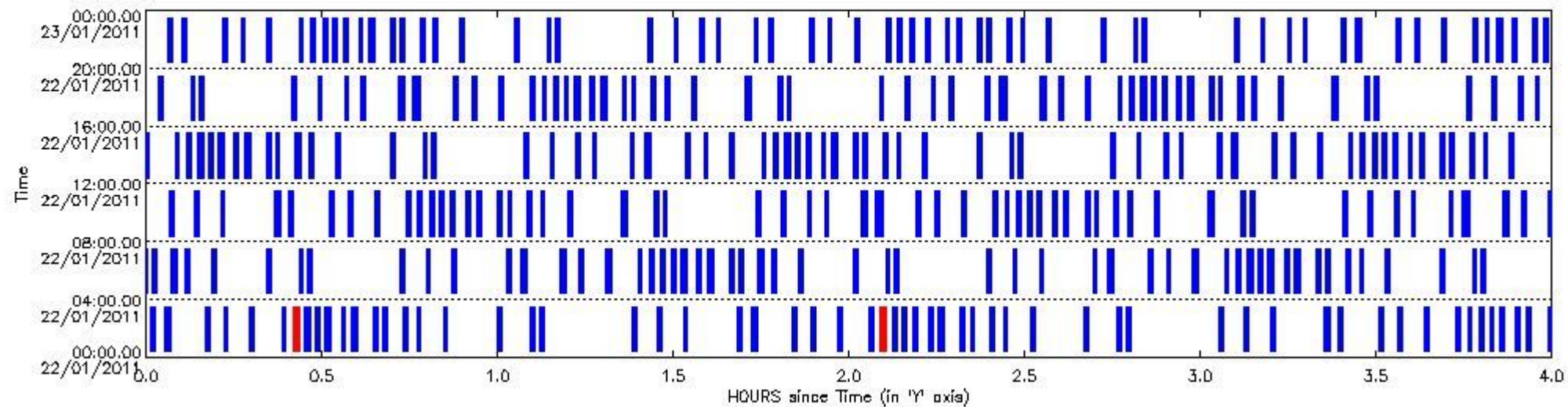
2.1 Level 0 products arrived in PCF (see template [here](#))

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
22-JAN-2011 00:25:03	BetLup	109	46510
22-JAN-2011 02:05:18	BetLup	109	46511

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_1PNPDE20110122_000043_000000503098_00375_46510_5710.N1	22-JAN-2011 00:00:43	Bright	49.500	133	40Zet Her	2.8070	6000.0	99	46510	No
2	GOM_TRA_1PNPDE20110122_000305_000000703098_00375_46510_5711.N1	22-JAN-2011 00:03:05	Bright	70.000	67	5Alp CrB	2.2210	11000.	140	46510	No
3	GOM_TRA_1PNPDE20110122_000958_000000573098_00375_46510_5712.N1	22-JAN-2011 00:09:58	Bright	56.500	102	24Alp Ser	2.6000	4250.0	113	46510	No
4	GOM_TRA_1PNPDE20110122_001313_000000433098_00375_46510_5713.N1	22-JAN-2011 00:13:13	Bright	43.000	98	13Zet Oph	2.5710	30000.	86	46510	No
5	GOM_TRA_1PNPDE20110122_001741_000000473098_00375_46510_5717.N1	22-JAN-2011 00:17:41	Twilight	47.000	16	21Alp Sco	1.0200	3000.0	94	46510	No
6	GOM_TRA_1PNPDE20110122_002310_000000413098_00375_46510_5718.N1	22-JAN-2011 00:23:10	Dark	40.500	131	Gam Lup	2.8000	26000.	81	46510	No
7	GOM_TRA_1PNPDE20110122_002701_000000613098_00376_46511_5719.N1	22-JAN-2011 00:27:01	Dark	60.500	54	5The Cen	2.0550	4500.0	121	46511	No
8	GOM_TRA_1PNPDE20110122_002851_000000453098_00376_46511_5720.N1	22-JAN-2011 00:28:51	Dark	44.500	95	Zet Cen	2.5450	26000.	89	46511	No
9	GOM_TRA_1PNPDE20110122_003032_000000553098_00376_46511_5721.N1	22-JAN-2011 00:30:32	Dark	54.500	123	lot Cen	2.7500	10200.	109	46511	No

10	GOM_TRA_1PNPDE20110122_003318_000000423098_00376_46511_5722.N1	22-JAN-2011 00:33:18	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	46511	No
11	GOM_TRA_1PNPDE20110122_003846_000000473098_00376_46511_5723.N1	22-JAN-2011 00:38:46	Dark	47.000	113	Mu Vel	2.6920	5000.0	94	46511	No
12	GOM_TRA_1PNPDE20110122_004027_000000423098_00376_46511_5724.N1	22-JAN-2011 00:40:27	Dark	42.000	91	Kap Vel	2.4900	26000.	84	46511	No
13	GOM_TRA_1PNPDE20110122_004345_000000473098_00376_46511_5725.N1	22-JAN-2011 00:43:45	Dark	46.500	65	Lam Vel	2.2040	4400.0	93	46511	No
14	GOM_TRA_1PNPDE20110122_004610_000000413098_00376_46511_5726.N1	22-JAN-2011 00:46:10	Straylight	41.000	70	Zet Pup	2.2460	39000.	82	46511	No
15	GOM_TRA_1PNPDE20110122_005040_000000463098_00376_46511_5727.N1	22-JAN-2011 00:50:40	Straylight	45.500	132	15Rho Pup	2.8030	6900.0	91	46511	No
16	GOM_TRA_1PNPDE20110122_005957_000000423098_00376_46511_5728.N1	22-JAN-2011 00:59:57	Twilight	41.500	8	10Alp CMi	0.40000	6500.0	83	46511	No
17	GOM_TRA_1PNPDE20110122_010534_000000523098_00376_46511_5729.N1	22-JAN-2011 01:05:34	Bright	51.500	170	27Eps Gem	3.0000	9700.0	103	46511	No
18	GOM_TRA_1PNPDE20110122_010704_000000453098_00376_46511_5730.N1	22-JAN-2011 01:07:04	Bright	44.500	17	78Bet Gem	1.1610	4500.0	89	46511	No
19	GOM_TRA_1PNPDE20110122_012256_000000443098_00376_46511_5731.N1	22-JAN-2011 01:22:56	Bright	44.000	36	50Alp UMa	1.8000	6300.0	88	46511	No
20	GOM_TRA_1PNPDE20110122_012718_000000383098_00376_46511_5732.N1	22-JAN-2011 01:27:18	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	46511	No
21	GOM_TRA_1PNPDE20110122_013147_000000393098_00376_46511_5733.N1	22-JAN-2011 01:31:47	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	46511	No
22	GOM_TRA_1PNPDE20110122_014057_000000383098_00376_46511_5734.N1	22-JAN-2011 01:40:57	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	46511	No
23	GOM_TRA_1PNPDE20110122_014319_000000703098_00376_46511_5735.N1	22-JAN-2011 01:43:19	Bright	70.000	67	5Alp CrB	2.2210	11000.	140	46511	No
24	GOM_TRA_1PNPDE20110122_015013_000000513098_00376_46511_5736.N1	22-JAN-2011 01:50:13	Bright	50.500	102	24Alp Ser	2.6000	4250.0	101	46511	No
25	GOM_TRA_1PNPDE20110122_015327_000000423098_00376_46511_5735.N1	22-JAN-2011 01:53:27	Bright	41.500	98	13Zet Oph	2.5710	30000.	83	46511	No
26	GOM_TRA_1PNPDE20110122_015756_000000523098_00376_46511_5736.N1	22-JAN-2011 01:57:56	Twilight	52.000	16	21Alp Sco	1.0200	3000.0	104	46511	No
27	GOM_TRA_1PNPDE20110122_020324_000000433098_00376_46511_5737.N1	22-JAN-2011 02:03:24	Dark	43.000	131	Gam Lup	2.8000	26000.	86	46511	No
28	GOM_TRA_1PNPDE20110122_020716_000000573098_00377_46512_5738.N1	22-JAN-2011 02:07:16	Dark	56.500	54	5The Cen	2.0550	4500.0	113	46512	No
29	GOM_TRA_1PNPDE20110122_020906_000000443098_00377_46512_5739.N1	22-JAN-2011 02:09:06	Dark	43.500	95	Zet Cen	2.5450	26000.	87	46512	No
30	GOM_TRA_1PNPDE20110122_021047_000000543098_00377_46512_5740.N1	22-JAN-2011 02:10:47	Dark	53.500	123	lot Cen	2.7500	10200.	107	46512	No
31	GOM_TRA_1PNPDE20110122_021333_000000463098_00377_46512_5741.N1	22-JAN-2011 02:13:33	Dark	46.000	12	Alp1Cru	0.77500	30000.	92	46512	No
32	GOM_TRA_1PNPDE20110122_021901_000000503098_00377_46512_5742.N1	22-JAN-2011 02:19:01	Dark	49.500	113	Mu Vel	2.6920	5000.0	99	46512	No
33	GOM_TRA_1PNPDE20110122_022041_000000403098_00377_46512_5743.N1	22-JAN-2011 02:20:41	Dark	40.000	91	Kap Vel	2.4900	26000.	80	46512	No
34	GOM_TRA_1PNPDE20110122_022400_000000483098_00377_46512_5744.N1	22-JAN-2011 02:24:00	Dark	48.000	65	Lam Vel	2.2040	4400.0	96	46512	No
35	GOM_TRA_1PNPDE20110122_022624_000000413098_00377_46512_5745.N1	22-JAN-2011 02:26:24	Straylight	41.000	70	Zet Pup	2.2460	39000.	82	46512	No
36	GOM_TRA_1PNPDE20110122_023055_000000463098_00377_46512_5746.N1	22-JAN-2011 02:30:55	Straylight	46.000	132	15Rho Pup	2.8030	6900.0	92	46512	No
37	GOM_TRA_1PNPDE20110122_024011_000000493098_00377_46512_5747.N1	22-JAN-2011 02:40:11	Twilight	49.000	8	10Alp CMi	0.40000	6500.0	98	46512	No
38	GOM_TRA_1PNPDE20110122_024548_000000383098_00377_46512_5748.N1	22-JAN-2011 02:45:48	Bright	38.000	170	27Eps Gem	3.0000	9700.0	76	46512	No
39	GOM_TRA_1PNPDE20110122_024717_000000443098_00377_46512_5749.N1	22-JAN-2011 02:47:17	Bright	43.500	17	78Bet Gem	1.1610	4500.0	87	46512	No
40	GOM_TRA_1PNPDE20110122_030309_000000483098_00377_46512_5750.N1	22-JAN-2011 03:03:09	Bright	48.000	36	50Alp UMa	1.8000	6300.0	96	46512	No
41	GOM_TRA_1PNPDE20110122_030731_000000443098_00377_46512_5764.N1	22-JAN-2011 03:07:31	Bright	43.500	60	7Bet UMi	2.0810	3950.0	87	46512	No
42	GOM_TRA_1PNPDE20110122_031201_000000393098_00377_46512_5765.N1	22-JAN-2011 03:12:01	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	46512	No
43	GOM_TRA_1PNPDE20110122_032111_000000573098_00377_46512_5766.N1	22-JAN-2011 03:21:11	Bright	57.000	133	40Zet Her	2.8070	6000.0	114	46512	No
44	GOM_TRA_1PNPDE20110122_032333_000000493098_00377_46512_5767.N1	22-JAN-2011 03:23:33	Bright	49.000	67	5Alp CrB	2.2210	11000.	98	46512	No
45	GOM_TRA_1PNPDE20110122_033027_000000513098_00377_46512_5768.N1	22-JAN-2011 03:30:27	Bright	50.500	102	24Alp Ser	2.6000	4250.0	101	46512	No
46	GOM_TRA_1PNPDE20110122_033342_000000453098_00377_46512_5769.N1	22-JAN-2011 03:33:42	Bright	44.500	98	13Zet Oph	2.5710	30000.	89	46512	No
47	GOM_TRA_1PNPDE20110122_033811_000000493098_00377_46512_5770.N1	22-JAN-2011 03:38:11	Twilight	49.000	16	21Alp Sco	1.0200	3000.0	98	46512	No
48	GOM_TRA_1PNPDE20110122_034339_000000413098_00377_46512_5771.N1	22-JAN-2011 03:43:39	Dark	40.500	131	Gam Lup	2.8000	26000.	81	46512	No
49	GOM_TRA_1PNPDE20110122_034536_000000423098_00377_46512_5772.N1	22-JAN-2011 03:45:36	Dark	42.000	109	Bet Lup	2.6770	26000.	84	46512	No
50	GOM_TRA_1PNPDE20110122_034731_000000553098_00378_46513_5773.N1	22-JAN-2011 03:47:31	Dark	54.500	54	5The Cen	2.0550	4500.0	109	46513	No
51	GOM_TRA_1PNPDE20110122_034921_000000443098_00378_46513_5774.N1	22-JAN-2011 03:49:21	Dark	43.500	95	Zet Cen	2.5450	26000.	87	46513	No
52	GOM_TRA_1PNPDE20110122_035102_000000543098_00378_46513_5775.N1	22-JAN-2011 03:51:02	Dark	54.000	123	lot Cen	2.7500	10200.	108	46513	No
53	GOM_TRA_1PNPDE20110122_035348_000000423098_00378_46513_5776.N1	22-JAN-2011 03:53:48	Dark	42.000	12	Alp1Cru	0.77500	30000.	84	46513	No
54	GOM_TRA_1PNPDE20110122_035916_000000533098_00378_46513_5777.N1	22-JAN-2011 03:59:16	Dark	52.500	113	Mu Vel	2.6920	5000.0	105	46513	No
55	GOM_TRA_1PNPDE20110122_040056_000000433098_00378_46513_5778.N1	22-JAN-2011 04:00:56	Dark	42.500	91	Kap Vel	2.4900	26000.	85	46513	No
56	GOM_TRA_1PNPDE20110122_040414_000000543098_00378_46513_5779.N1	22-JAN-2011 04:04:14	Dark	54.000	65	Lam Vel	2.2040	4400.0	108	46513	No
57	GOM_TRA_1PNPDE20110122_040638_000000393098_00378_46513_5780.N1	22-JAN-2011 04:06:38	Straylight	39.000	70	Zet Pup	2.2460	39000.	78	46513	No
58	GOM_TRA_1PNPDE20110122_041109_000000463098_00378_46513_5781.N1	22-JAN-2011 04:11:09	Straylight	45.500	132	15Rho Pup	2.8030	6900.0	91	46513	No
59	GOM_TRA_1PNPDE20110122_042025_000000513098_00378_46513_5782.N1	22-JAN-2011 04:20:25	Twilight	51.000	8	10Alp CMi	0.40000	6500.0	102	46513	No
60	GOM_TRA_1PNPDE20110122_042602_000000393098_00378_46513_5783.N1	22-JAN-2011 04:26:02	Bright	38.500	170	27Eps Gem	3.0000	9700.0	77	46513	No
61	GOM_TRA_1PNPDE20110122_042731_000000453098_00378_46513_5784.N1	22-JAN-2011 04:27:31	Bright	45.000	17	78Bet Gem	1.1610	4500.0	90	46513	No
62	GOM_TRA_1PNPDE20110122_044322_000000493098_00378_46513_5785.N1	22-JAN-2011 04:43:22	Bright	48.500	36	50Alp UMa	1.8000	6300.0	97	46513	No
63	GOM_TRA_1PNPDE20110122_044745_000000403098_00378_46513_5786.N1	22-JAN-2011 04:47:45	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	46513	No
64	GOM_TRA_1PNPDE20110122_045215_000000393098_00378_46513_5782.N1	22-JAN-2011 04:52:15	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	46513	No
65	GOM_TRA_1PNPDE20110122_050126_000000573098_00378_46513_5783.N1	22-JAN-2011 05:01:26	Bright	57.000	133	40Zet Her	2.8070	6000.0	114	46513	No
66	GOM_TRA_1PNPDE20110122_050348_000000703098_00378_46513_5784.N1	22-JAN-2011 05:03:48	Bright	70.000	67	5Alp CrB	2.2210	11000.	140	46513	No
67	GOM_TRA_1PNPDE20110122_051042_000000533098_00378_46513_5785.N1	22-JAN-2011 05:10:42	Bright	52.500	102	24Alp Ser	2.6000	4250.0	105	46513	No
68	GOM_TRA_1PNPDE20110122_051357_000000433098_00378_46513_5786.N1	22-JAN-2011 05:13:57	Bright	43.000	98	13Zet Oph	2.5710	30000.	86	46513	No

69	GOM_TRA_1PNPDE20110122_051825_000000563098_00378_46513_5787.N1	22-JAN-2011 05:18:25	Twilight	55.500	16	21Alp Sco	1.0200	3000.0	111	46513	No
70	GOM_TRA_1PNPDE20110122_052354_000000403098_00378_46513_5788.N1	22-JAN-2011 05:23:54	Dark	40.000	131	Gam Lup	2.8000	26000.	80	46513	No
71	GOM_TRA_1PNPDE20110122_052551_000000433098_00378_46513_5789.N1	22-JAN-2011 05:25:51	Dark	42.500	109	Bet Lup	2.6770	26000.	85	46513	No
72	GOM_TRA_1PNPDE20110122_052747_000000533098_00379_46514_5790.N1	22-JAN-2011 05:27:47	Dark	52.500	54	5The Cen	2.0550	4500.0	105	46514	No
73	GOM_TRA_1PNPDE20110122_052936_000000433098_00379_46514_5791.N1	22-JAN-2011 05:29:36	Dark	42.500	95	Zet Cen	2.5450	26000.	85	46514	No
74	GOM_TRA_1PNPDE20110122_053118_000000553098_00379_46514_5792.N1	22-JAN-2011 05:31:18	Dark	55.000	123	lot Cen	2.7500	10200.	110	46514	No
75	GOM_TRA_1PNPDE20110122_053402_000000443098_00379_46514_5793.N1	22-JAN-2011 05:34:02	Dark	43.500	12	Alp1Cru	0.77500	30000.	87	46514	No
76	GOM_TRA_1PNPDE20110122_053930_000000543098_00379_46514_5794.N1	22-JAN-2011 05:39:30	Dark	53.500	113	Mu Vel	2.6920	5000.0	107	46514	No
77	GOM_TRA_1PNPDE20110122_054110_000000403098_00379_46514_5795.N1	22-JAN-2011 05:41:10	Dark	39.500	91	Kap Vel	2.4900	26000.	79	46514	No
78	GOM_TRA_1PNPDE20110122_054429_000000503098_00379_46514_5796.N1	22-JAN-2011 05:44:29	Dark	50.000	65	Lam Vel	2.2040	4400.0	100	46514	No
79	GOM_TRA_1PNPDE20110122_054653_000000443098_00379_46514_5797.N1	22-JAN-2011 05:46:53	Straylight	43.500	70	Zet Pup	2.2460	39000.	87	46514	No
80	GOM_TRA_1PNPDE20110122_055123_000000443098_00379_46514_5798.N1	22-JAN-2011 05:51:23	Straylight	43.500	132	15Rho Pup	2.8030	6900.0	87	46514	No
81	GOM_TRA_1PNPDE20110122_060039_000000523098_00379_46514_5799.N1	22-JAN-2011 06:00:39	Tw_i_and_stray	52.000	8	10Alp CMi	0.40000	6500.0	104	46514	No
82	GOM_TRA_1PNPDE20110122_060616_000000393098_00379_46514_5800.N1	22-JAN-2011 06:06:16	Bright	39.000	170	27Eps Gem	3.0000	9700.0	78	46514	No
83	GOM_TRA_1PNPDE20110122_060745_000000453098_00379_46514_5801.N1	22-JAN-2011 06:07:45	Bright	45.000	17	78Bet Gem	1.1610	4500.0	90	46514	No
84	GOM_TRA_1PNPDE20110122_062336_000000493098_00379_46514_5802.N1	22-JAN-2011 06:23:36	Bright	48.500	36	50Alp UMa	1.8000	6300.0	97	46514	No
85	GOM_TRA_1PNPDE20110122_062759_000000363098_00379_46514_5803.N1	22-JAN-2011 06:27:59	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	46514	No
86	GOM_TRA_1PNPDK20110122_063229_000000403098_00379_46514_4476.N1	22-JAN-2011 06:32:29	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	46514	No
87	GOM_TRA_1PNPDK20110122_064140_000000403098_00379_46514_4477.N1	22-JAN-2011 06:41:40	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	46514	No
88	GOM_TRA_1PNPDK20110122_064402_000000713098_00379_46514_4478.N1	22-JAN-2011 06:44:02	Bright	71.000	67	5Alp CrB	2.2210	11000.	142	46514	No
89	GOM_TRA_1PNPDK20110122_065057_000000543098_00379_46514_4479.N1	22-JAN-2011 06:50:57	Bright	54.000	102	24Alp Ser	2.6000	4250.0	108	46514	No
90	GOM_TRA_1PNPDK20110122_065411_000000443098_00379_46514_4480.N1	22-JAN-2011 06:54:11	Bright	43.500	98	13Zet Oph	2.5710	30000.	87	46514	No
91	GOM_TRA_1PNPDK20110122_065840_000000543098_00379_46514_4481.N1	22-JAN-2011 06:58:40	Twilight	54.000	16	21Alp Sco	1.0200	3000.0	108	46514	No
92	GOM_TRA_1PNPDK20110122_070409_000000423098_00379_46514_4482.N1	22-JAN-2011 07:04:09	Dark	41.500	131	Gam Lup	2.8000	26000.	83	46514	No
93	GOM_TRA_1PNPDK20110122_070606_000000433098_00379_46514_4483.N1	22-JAN-2011 07:06:06	Dark	42.500	109	Bet Lup	2.6770	26000.	85	46514	No
94	GOM_TRA_1PNPDK20110122_070802_000000543098_00380_46515_4484.N1	22-JAN-2011 07:08:02	Dark	53.500	54	5The Cen	2.0550	4500.0	107	46515	No
95	GOM_TRA_1PNPDK20110122_070951_000000433098_00380_46515_4485.N1	22-JAN-2011 07:09:51	Dark	43.000	95	Zet Cen	2.5450	26000.	86	46515	No
96	GOM_TRA_1PNPDK20110122_071133_000000543098_00380_46515_4486.N1	22-JAN-2011 07:11:33	Dark	54.000	123	lot Cen	2.7500	10200.	108	46515	No
97	GOM_TRA_1PNPDK20110122_071417_000000503098_00380_46515_4487.N1	22-JAN-2011 07:14:17	Dark	50.000	12	Alp1Cru	0.77500	30000.	100	46515	No
98	GOM_TRA_1PNPDK20110122_071945_000000523098_00380_46515_4488.N1	22-JAN-2011 07:19:45	Dark	51.500	113	Mu Vel	2.6920	5000.0	103	46515	No
99	GOM_TRA_1PNPDK20110122_072125_000000413098_00380_46515_4489.N1	22-JAN-2011 07:21:25	Dark	40.500	91	Kap Vel	2.4900	26000.	81	46515	No
100	GOM_TRA_1PNPDK20110122_072444_000000493098_00380_46515_4490.N1	22-JAN-2011 07:24:44	Dark	49.000	65	Lam Vel	2.2040	4400.0	98	46515	No
101	GOM_TRA_1PNPDK20110122_072708_000000433098_00380_46515_4491.N1	22-JAN-2011 07:27:08	Straylight	42.500	70	Zet Pup	2.2460	39000.	85	46515	No
102	GOM_TRA_1PNPDK20110122_073138_000000423098_00380_46515_4492.N1	22-JAN-2011 07:31:38	Straylight	41.500	132	15Rho Pup	2.8030	6900.0	83	46515	No
103	GOM_TRA_1PNPDK20110122_074053_000000523098_00380_46515_4777.N1	22-JAN-2011 07:40:53	Tw_i_and_stray	51.500	8	10Alp CMi	0.40000	6500.0	103	46515	No
104	GOM_TRA_1PNPDK20110122_074630_000000383098_00380_46515_4778.N1	22-JAN-2011 07:46:30	Bright	38.000	170	27Eps Gem	3.0000	9700.0	76	46515	No
105	GOM_TRA_1PNPDK20110122_074759_000000453098_00380_46515_4779.N1	22-JAN-2011 07:47:59	Bright	44.500	17	78Bet Gem	1.1610	4500.0	89	46515	No
106	GOM_TRA_1PNPDK20110122_080349_000000463098_00380_46515_4780.N1	22-JAN-2011 08:03:49	Bright	46.000	36	50Alp UMa	1.8000	6300.0	92	46515	No
107	GOM_TRA_1PNPDK20110122_080813_000000403098_00380_46515_4781.N1	22-JAN-2011 08:08:13	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	46515	No
108	GOM_TRA_1PNPDK20110122_081243_000000393098_00380_46515_4782.N1	22-JAN-2011 08:12:43	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	46515	No
109	GOM_TRA_1PNPDK20110122_082154_000000573098_00380_46515_4783.N1	22-JAN-2011 08:21:54	Bright	57.000	133	40Zet Her	2.8070	6000.0	114	46515	No
110	GOM_TRA_1PNPDK20110122_082417_000000483098_00380_46515_4784.N1	22-JAN-2011 08:24:17	Bright	47.500	67	5Alp CrB	2.2210	11000.	95	46515	No
111	GOM_TRA_1PNPDK20110122_083111_000000543098_00380_46515_4785.N1	22-JAN-2011 08:31:11	Bright	53.500	102	24Alp Ser	2.6000	4250.0	107	46515	No
112	GOM_TRA_1PNPDK20110122_083426_000000473098_00380_46515_4786.N1	22-JAN-2011 08:34:26	Bright	46.500	98	13Zet Oph	2.5710	30000.	93	46515	No
113	GOM_TRA_1PNPDK20110122_083854_000000563098_00380_46515_4787.N1	22-JAN-2011 08:38:54	Twilight	56.000	16	21Alp Sco	1.0200	3000.0	112	46515	No
114	GOM_TRA_1PNPDK20110122_084423_000000413098_00380_46515_4788.N1	22-JAN-2011 08:44:23	Dark	40.500	131	Gam Lup	2.8000	26000.	81	46515	No
115	GOM_TRA_1PNPDK20110122_084620_000000453098_00380_46515_4789.N1	22-JAN-2011 08:46:20	Dark	44.500	109	Bet Lup	2.6770	26000.	89	46515	No
116	GOM_TRA_1PNPDK20110122_084817_000000553098_00381_46516_4790.N1	22-JAN-2011 08:48:17	Dark	54.500	54	5The Cen	2.0550	4500.0	109	46516	No
117	GOM_TRA_1PNPDK20110122_085006_000000463098_00381_46516_4791.N1	22-JAN-2011 08:50:06	Dark	45.500	95	Zet Cen	2.5450	26000.	91	46516	No
118	GOM_TRA_1PNPDK20110122_085149_000000543098_00381_46516_4792.N1	22-JAN-2011 08:51:49	Dark	53.500	123	lot Cen	2.7500	10200.	107	46516	No
119	GOM_TRA_1PNPDK20110122_085431_000000423098_00381_46516_4793.N1	22-JAN-2011 08:54:31	Dark	42.000	12	Alp1Cru	0.77500	30000.	84	46516	No
120	GOM_TRA_1PNPDK20110122_090000_000000473098_00381_46516_4794.N1	22-JAN-2011 09:00:00	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	46516	No
121	GOM_TRA_1PNPDK20110122_090139_000000393098_00381_46516_4795.N1	22-JAN-2011 09:01:39	Dark	39.000	91	Kap Vel	2.4900	26000.	78	46516	No
122	GOM_TRA_1PNPDK20110122_090458_000000523098_00381_46516_4796.N1	22-JAN-2011 09:04:58	Dark	51.500	65	Lam Vel	2.2040	4400.0	103	46516	No
123	GOM_TRA_1PNPDK20110122_090722_000000413098_00381_46516_4797.N1	22-JAN-2011 09:07:22	Straylight	41.000	70	Zet Pup	2.2460	39000.	82	46516	No
124	GOM_TRA_1PNPDK20110122_091152_000000463098_00381_46516_4798.N1	22-JAN-2011 09:11:52	Straylight	45.500	132	15Rho Pup	2.8030	6900.0	91	46516	No
125	GOM_TRA_1PNPDK20110122_092107_000000583098_00381_46516_4568.N1	22-JAN-2011 09:21:07	Tw_i_and_stray	58.000	8	10Alp CMi	0.40000	6500.0	116	46516	No
126	GOM_TRA_1PNPDK20110122_092644_000000383098_00381_46516_4569.N1	22-JAN-2011 09:26:44	Bright	38.000	170	27Eps Gem	3.0000	9700.0	76	46516	No
127	GOM_TRA_1PNPDK20110122_092812_000000453098_00381_46516_4570.N1	22-JAN-2011 09:28:12	Bright	44.500	17	78Bet Gem	1.1610	4500.0	89	46516	No

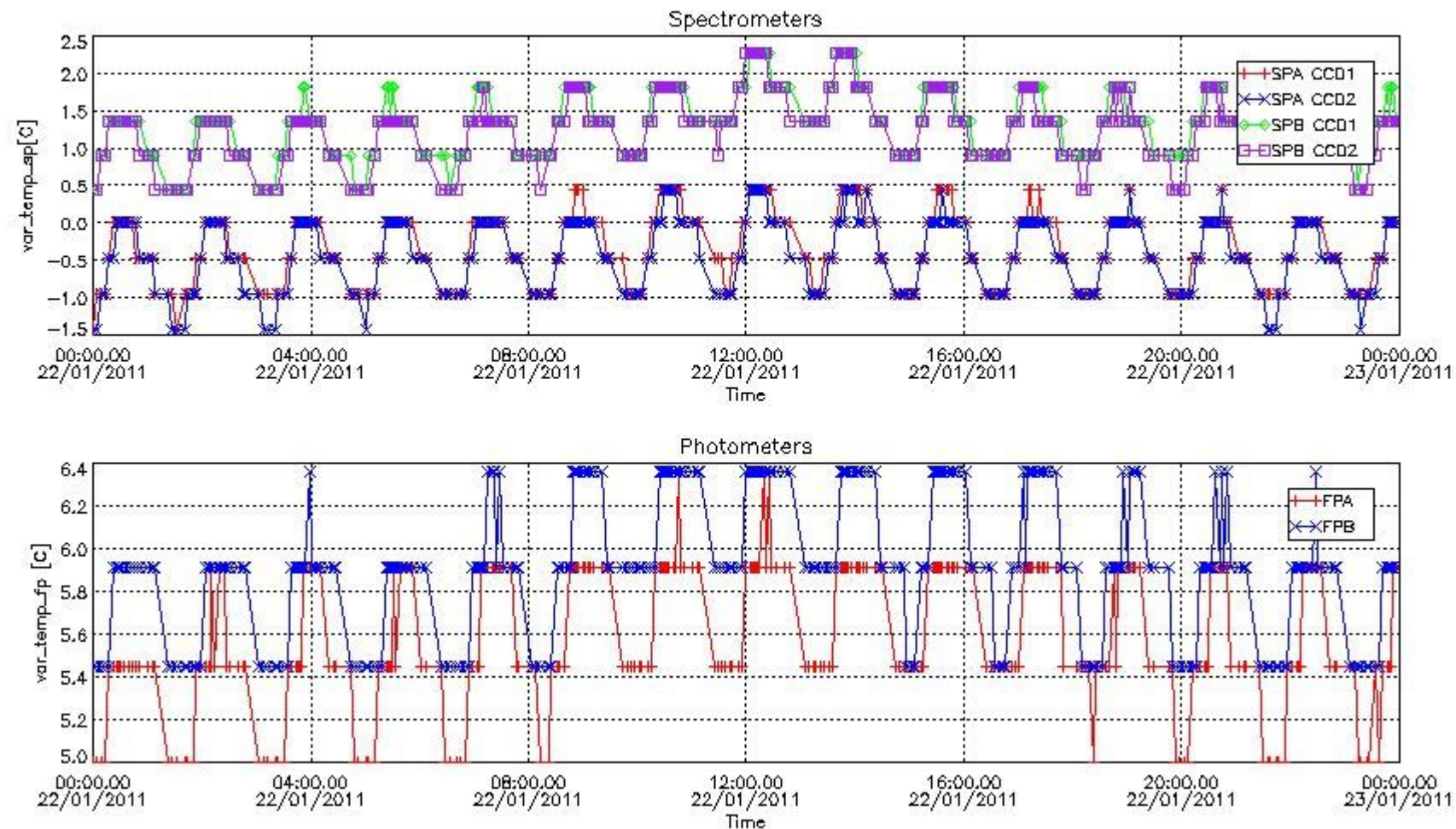
128	GOM_TRA_1PNPDK20110122_094402_000000493098_00381_46516_4571.N1	22-JAN-2011 09:44:02	Bright	48.500	36	50Alp UMa	1.8000	6300.0	97	46516	No
129	GOM_TRA_1PNPDK20110122_094827_000000413098_00381_46516_4572.N1	22-JAN-2011 09:48:27	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	46516	No
130	GOM_TRA_1PNPDK20110122_095256_000000403098_00381_46516_4573.N1	22-JAN-2011 09:52:56	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	46516	No
131	GOM_TRA_1PNPDK20110122_095546_000000373098_00381_46516_4574.N1	22-JAN-2011 09:55:46	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	46516	No
132	GOM_TRA_1PNPDK20110122_100208_000000573098_00381_46516_4575.N1	22-JAN-2011 10:02:08	Bright	57.000	133	40Zet Her	2.8070	6000.0	114	46516	No
133	GOM_TRA_1PNPDK20110122_100431_000000713098_00381_46516_4576.N1	22-JAN-2011 10:04:31	Bright	71.000	67	5Alp CrB	2.2210	11000.	142	46516	No
134	GOM_TRA_1PNPDK20110122_101126_000000553098_00381_46516_4577.N1	22-JAN-2011 10:11:26	Bright	54.500	102	24Alp Ser	2.6000	4250.0	109	46516	No
135	GOM_TRA_1PNPDK20110122_101440_000000473098_00381_46516_4578.N1	22-JAN-2011 10:14:40	Bright	47.000	98	13Zet Oph	2.5710	30000.	94	46516	No
136	GOM_TRA_1PNPDK20110122_101909_000000533098_00381_46516_4579.N1	22-JAN-2011 10:19:09	Twilight	52.500	16	21Alp Sco	1.0200	3000.0	105	46516	No
137	GOM_TRA_1PNPDK20110122_102438_000000413098_00381_46516_4580.N1	22-JAN-2011 10:24:38	Dark	40.500	131	Gam Lup	2.8000	26000.	81	46516	No
138	GOM_TRA_1PNPDK20110122_102635_000000423098_00381_46516_4581.N1	22-JAN-2011 10:26:35	Dark	42.000	109	Bet Lup	2.6770	26000.	84	46516	No
139	GOM_TRA_1PNPDK20110122_102832_000000533098_00382_46517_4582.N1	22-JAN-2011 10:28:32	Dark	53.000	54	5The Cen	2.0550	4500.0	106	46517	No
140	GOM_TRA_1PNPDK20110122_103021_000000473098_00382_46517_4583.N1	22-JAN-2011 10:30:21	Dark	46.500	95	Zet Cen	2.5450	26000.	93	46517	No
141	GOM_TRA_1PNPDK20110122_103204_000000553098_00382_46517_4584.N1	22-JAN-2011 10:32:04	Dark	55.000	123	lot Cen	2.7500	10200.	110	46517	No
142	GOM_TRA_1PNPDK20110122_103446_000000423098_00382_46517_4585.N1	22-JAN-2011 10:34:46	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	46517	No
143	GOM_TRA_1PNPDK20110122_104015_000000563098_00382_46517_4586.N1	22-JAN-2011 10:40:15	Dark	56.000	113	Mu Vel	2.6920	5000.0	112	46517	No
144	GOM_TRA_1PNPDK20110122_104154_000000403098_00382_46517_4587.N1	22-JAN-2011 10:41:54	Dark	39.500	91	Kap Vel	2.4900	26000.	79	46517	No
145	GOM_TRA_1PNPDK20110122_104513_000000523098_00382_46517_4588.N1	22-JAN-2011 10:45:13	Dark	51.500	65	Lam Vel	2.2040	4400.0	103	46517	No
146	GOM_TRA_1PNPDK20110122_104736_000000443098_00382_46517_4589.N1	22-JAN-2011 10:47:36	Straylight	44.000	70	Zet Pup	2.2460	39000.	88	46517	No
147	GOM_TRA_1PNPDK20110122_105206_000000473098_00382_46517_4590.N1	22-JAN-2011 10:52:06	Straylight	46.500	132	15Rho Pup	2.8030	6900.0	93	46517	No
148	GOM_TRA_1PNPDK20110122_110121_000000583098_00382_46517_4750.N1	22-JAN-2011 11:01:21	Tw_and_stray	58.000	8	10Alp CMi	0.40000	6500.0	116	46517	No
149	GOM_TRA_1PNPDK20110122_110658_000000393098_00382_46517_4751.N1	22-JAN-2011 11:06:58	Bright	38.500	170	27Eps Gem	3.0000	9700.0	77	46517	No
150	GOM_TRA_1PNPDK20110122_110826_000000453098_00382_46517_4752.N1	22-JAN-2011 11:08:26	Bright	44.500	17	78Bet Gem	1.1610	4500.0	89	46517	No
151	GOM_TRA_1PNPDK20110122_112415_000000443098_00382_46517_4753.N1	22-JAN-2011 11:24:15	Bright	44.000	36	50Alp UMa	1.8000	6300.0	88	46517	No
152	GOM_TRA_1PNPDK20110122_112841_000000383098_00382_46517_4754.N1	22-JAN-2011 11:28:41	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	46517	No
153	GOM_TRA_1PNPDK20110122_113310_000000393098_00382_46517_4755.N1	22-JAN-2011 11:33:10	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	46517	No
154	GOM_TRA_1PNPDK20110122_113600_000000383098_00382_46517_4756.N1	22-JAN-2011 11:36:00	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	46517	No
155	GOM_TRA_1PNPDK20110122_114222_000000383098_00382_46517_4757.N1	22-JAN-2011 11:42:22	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	46517	No
156	GOM_TRA_1PNPDK20110122_114445_000000713098_00382_46517_4758.N1	22-JAN-2011 11:44:45	Bright	71.000	67	5Alp CrB	2.2210	11000.	142	46517	No
157	GOM_TRA_1PNPDK20110122_115141_000000563098_00382_46517_4759.N1	22-JAN-2011 11:51:41	Bright	56.000	102	24Alp Ser	2.6000	4250.0	112	46517	No
158	GOM_TRA_1PNPDK20110122_115454_000000433098_00382_46517_4760.N1	22-JAN-2011 11:54:54	Bright	43.000	98	13Zet Oph	2.5710	30000.	86	46517	No
159	GOM_TRA_1PNPDK20110122_115923_000000563098_00382_46517_4761.N1	22-JAN-2011 11:59:23	Twilight	56.000	16	21Alp Sco	1.0200	3000.0	112	46517	No
160	GOM_TRA_1PNPDK20110122_120452_000000413098_00382_46517_4762.N1	22-JAN-2011 12:04:52	Dark	40.500	131	Gam Lup	2.8000	26000.	81	46517	No
161	GOM_TRA_1PNPDK20110122_120650_000000443098_00382_46517_4763.N1	22-JAN-2011 12:06:50	Dark	43.500	109	Bet Lup	2.6770	26000.	87	46517	No
162	GOM_TRA_1PNPDK20110122_120847_000000543098_00383_46518_4764.N1	22-JAN-2011 12:08:47	Dark	54.000	54	5The Cen	2.0550	4500.0	108	46518	No
163	GOM_TRA_1PNPDK20110122_121035_000000443098_00383_46518_4765.N1	22-JAN-2011 12:10:35	Dark	43.500	95	Zet Cen	2.5450	26000.	87	46518	No
164	GOM_TRA_1PNPDK20110122_121219_000000553098_00383_46518_4766.N1	22-JAN-2011 12:12:19	Dark	55.000	123	lot Cen	2.7500	10200.	110	46518	No
165	GOM_TRA_1PNPDK20110122_121501_000000483098_00383_46518_4767.N1	22-JAN-2011 12:15:01	Dark	48.000	12	Alp1Cru	0.77500	30000.	96	46518	No
166	GOM_TRA_1PNPDK20110122_122029_000000483098_00383_46518_4768.N1	22-JAN-2011 12:20:29	Dark	47.500	113	Mu Vel	2.6920	5000.0	95	46518	No
167	GOM_TRA_1PNPDK20110122_122208_000000403098_00383_46518_4769.N1	22-JAN-2011 12:22:08	Dark	39.500	91	Kap Vel	2.4900	26000.	79	46518	No
168	GOM_TRA_1PNPDK20110122_122527_000000523098_00383_46518_4770.N1	22-JAN-2011 12:25:27	Dark	51.500	65	Lam Vel	2.2040	4400.0	103	46518	No
169	GOM_TRA_1PNPDK20110122_122750_000000413098_00383_46518_4771.N1	22-JAN-2011 12:27:50	Straylight	40.500	70	Zet Pup	2.2460	39000.	81	46518	No
170	GOM_TRA_1PNPDK20110122_123220_000000463098_00383_46518_4772.N1	22-JAN-2011 12:32:20	Straylight	45.500	132	15Rho Pup	2.8030	6900.0	91	46518	No
171	GOM_TRA_1PNPDK20110122_124135_000000503098_00383_46518_4728.N1	22-JAN-2011 12:41:35	Tw_and_stray	49.500	8	10Alp CMi	0.40000	6500.0	99	46518	No
172	GOM_TRA_1PNPDK20110122_124712_000000373098_00383_46518_4729.N1	22-JAN-2011 12:47:12	Bright	37.000	170	27Eps Gem	3.0000	9700.0	74	46518	No
173	GOM_TRA_1PNPDK20110122_124840_000000443098_00383_46518_4730.N1	22-JAN-2011 12:48:40	Bright	43.500	17	78Bet Gem	1.1610	4500.0	87	46518	No
174	GOM_TRA_1PNPDK20110122_130429_000000473098_00383_46518_4731.N1	22-JAN-2011 13:04:29	Bright	46.500	36	50Alp UMa	1.8000	6300.0	93	46518	No
175	GOM_TRA_1PNPDK20110122_130854_000000363098_00383_46518_4732.N1	22-JAN-2011 13:08:54	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	46518	No
176	GOM_TRA_1PNPDK20110122_131324_000000393098_00383_46518_4733.N1	22-JAN-2011 13:13:24	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	46518	No
177	GOM_TRA_1PNPDK20110122_131614_000000363098_00383_46518_4734.N1	22-JAN-2011 13:16:14	Bright	35.500	130	23Bet Dra	2.7990	5800.0	71	46518	No
178	GOM_TRA_1PNPDK20110122_132236_000000393098_00383_46518_4735.N1	22-JAN-2011 13:22:36	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	46518	No
179	GOM_TRA_1PNPDK20110122_132459_000000713098_00383_46518_4736.N1	22-JAN-2011 13:24:59	Bright	71.000	67	5Alp CrB	2.2210	11000.	142	46518	No
180	GOM_TRA_1PNPDK20110122_133155_000000543098_00383_46518_4737.N1	22-JAN-2011 13:31:55	Bright	53.500	102	24Alp Ser	2.6000	4250.0	107	46518	No
181	GOM_TRA_1PNPDK20110122_133509_000000433098_00383_46518_4738.N1	22-JAN-2011 13:35:09	Bright	43.000	98	13Zet Oph	2.5710	30000.	86	46518	No
182	GOM_TRA_1PNPDK20110122_133938_000000473098_00383_46518_4739.N1	22-JAN-2011 13:39:38	Twilight	47.000	16	21Alp Sco	1.0200	3000.0	94	46518	No
183	GOM_TRA_1PNPDK20110122_134507_000000403098_00383_46518_4740.N1	22-JAN-2011 13:45:07	Dark	40.000	131	Gam Lup	2.8000	26000.	80	46518	No
184	GOM_TRA_1PNPDK20110122_134705_000000433098_00383_46518_4741.N1	22-JAN-2011 13:47:05	Dark	43.000	109	Bet Lup	2.6770	26000.	86	46518	No
185	GOM_TRA_1PNPDK20110122_134902_000000533098_00384_46519_4742.N1	22-JAN-2011 13:49:02	Dark	53.000	54	5The Cen	2.0550	4500.0	106	46519	No
186	GOM_TRA_1PNPDK20110122_135050_000000443098_00384_46519_4743.N1	22-JAN-2011 13:50:50	Dark	43.500	95	Zet Cen	2.5450	26000.	87	46519	No

187	GOM_TRA_1PNPDK20110122_135235_000000553098_00384_46519_4744.N1	22-JAN-2011 13:52:35	Dark	54.500	123	lot Cen	2.7500	10200.	109	46519	No
188	GOM_TRA_1PNPDK20110122_135515_000000433098_00384_46519_4745.N1	22-JAN-2011 13:55:15	Dark	42.500	12	Alp1Cru	0.77500	30000.	85	46519	No
189	GOM_TRA_1PNPDK20110122_140044_000000463098_00384_46519_4746.N1	22-JAN-2011 14:00:44	Dark	45.500	113	Mu Vel	2.6920	5000.0	91	46519	No
190	GOM_TRA_1PNPDK20110122_140223_000000393098_00384_46519_4747.N1	22-JAN-2011 14:02:23	Dark	39.000	91	Kap Vel	2.4900	26000.	78	46519	No
191	GOM_TRA_1PNPDK20110122_140541_000000523098_00384_46519_4748.N1	22-JAN-2011 14:05:41	Dark	51.500	65	Lam Vel	2.2040	4400.0	103	46519	No
192	GOM_TRA_1PNPDK20110122_140804_000000443098_00384_46519_4749.N1	22-JAN-2011 14:08:04	Straylight	44.000	70	Zet Pup	2.2460	39000.	88	46519	No
193	GOM_TRA_1PNPDK20110122_141234_000000463098_00384_46519_4807.N1	22-JAN-2011 14:12:34	Straylight	46.000	132	15Rho Pup	2.8030	6900.0	92	46519	Yes
194	GOM_TRA_1PNPDK20110122_142149_000000503098_00384_46519_4808.N1	22-JAN-2011 14:21:49	Tw_i_and_stray	50.000	8	10Alp CMi	0.40000	6500.0	100	46519	No
195	GOM_TRA_1PNPDK20110122_142726_000000383098_00384_46519_4809.N1	22-JAN-2011 14:27:26	Bright	38.000	170	27Eps Gem	3.0000	9700.0	76	46519	No
196	GOM_TRA_1PNPDK20110122_142853_000000453098_00384_46519_4810.N1	22-JAN-2011 14:28:53	Bright	44.500	17	78Bet Gem	1.1610	4500.0	89	46519	No
197	GOM_TRA_1PNPDK20110122_144442_000000483098_00384_46519_4811.N1	22-JAN-2011 14:44:42	Bright	47.500	36	50Alp UMa	1.8000	6300.0	95	46519	No
198	GOM_TRA_1PNPDK20110122_144908_000000413098_00384_46519_4812.N1	22-JAN-2011 14:49:08	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	46519	No
199	GOM_TRA_1PNPDK20110122_145338_000000563098_00384_46519_4813.N1	22-JAN-2011 14:53:38	Bright	56.000	119	14Eta Dra	2.7270	4700.0	112	46519	No
200	GOM_TRA_1PNPDK20110122_145628_000000353098_00384_46519_4814.N1	22-JAN-2011 14:56:28	Bright	34.500	130	23Bet Dra	2.7990	5800.0	69	46519	No
201	GOM_TRA_1PNPDK20110122_150251_000000573098_00384_46519_4815.N1	22-JAN-2011 15:02:51	Bright	57.000	133	40Zet Her	2.8070	6000.0	114	46519	No
202	GOM_TRA_1PNPDK20110122_150513_000000713098_00384_46519_4816.N1	22-JAN-2011 15:05:13	Bright	71.000	67	5Alp CrB	2.2210	11000.	142	46519	No
203	GOM_TRA_1PNPDK20110122_151210_000000503098_00384_46519_4817.N1	22-JAN-2011 15:12:10	Bright	50.000	102	24Alp Ser	2.6000	4250.0	100	46519	No
204	GOM_TRA_1PNPDK20110122_151523_000000453098_00384_46519_4818.N1	22-JAN-2011 15:15:23	Bright	44.500	98	13Zet Oph	2.5710	30000.	89	46519	No
205	GOM_TRA_1PNPDK20110122_151952_000000493098_00384_46519_4819.N1	22-JAN-2011 15:19:52	Twilight	49.000	16	21Alp Sco	1.0200	3000.0	98	46519	No
206	GOM_TRA_1PNPDK20110122_152522_000000403098_00384_46519_4820.N1	22-JAN-2011 15:25:22	Dark	40.000	131	Gam Lup	2.8000	26000.	80	46519	No
207	GOM_TRA_1PNPDK20110122_152720_000000433098_00384_46519_4821.N1	22-JAN-2011 15:27:20	Dark	43.000	109	Bet Lup	2.6770	26000.	86	46519	No
208	GOM_TRA_1PNPDK20110122_152917_000000523098_00385_46520_4822.N1	22-JAN-2011 15:29:17	Dark	51.500	54	5The Cen	2.0550	4500.0	103	46520	No
209	GOM_TRA_1PNPDK20110122_153105_000000443098_00385_46520_4823.N1	22-JAN-2011 15:31:05	Dark	44.000	95	Zet Cen	2.5450	26000.	88	46520	No
210	GOM_TRA_1PNPDK20110122_153250_000000563098_00385_46520_4824.N1	22-JAN-2011 15:32:50	Dark	55.500	123	lot Cen	2.7500	10200.	111	46520	No
211	GOM_TRA_1PNPDK20110122_153530_000000423098_00385_46520_4825.N1	22-JAN-2011 15:35:30	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	46520	No
212	GOM_TRA_1PNPDK20110122_154059_000000473098_00385_46520_4826.N1	22-JAN-2011 15:40:59	Dark	47.000	113	Mu Vel	2.6920	5000.0	94	46520	No
213	GOM_TRA_1PNPDK20110122_154237_000000413098_00385_46520_4827.N1	22-JAN-2011 15:42:37	Dark	40.500	91	Kap Vel	2.4900	26000.	81	46520	No
214	GOM_TRA_1PNPDK20110122_154556_000000583098_00385_46520_4828.N1	22-JAN-2011 15:45:56	Dark	58.000	65	Lam Vel	2.2040	4400.0	116	46520	No
215	GOM_TRA_1PNPDK20110122_154819_000000433098_00385_46520_4829.N1	22-JAN-2011 15:48:19	Straylight	42.500	70	Zet Pup	2.2460	39000.	85	46520	No
216	GOM_TRA_1PNPDK20110122_155249_000000463098_00385_46520_4827.N1	22-JAN-2011 15:52:49	Straylight	45.500	132	15Rho Pup	2.8030	6900.0	91	46520	No
217	GOM_TRA_1PNPDK20110122_160203_000000493098_00385_46520_4828.N1	22-JAN-2011 16:02:03	Tw_i_and_stray	49.000	8	10Alp CMi	0.40000	6500.0	98	46520	No
218	GOM_TRA_1PNPDK20110122_160740_000000393098_00385_46520_4829.N1	22-JAN-2011 16:07:40	Bright	39.000	170	27Eps Gem	3.0000	9700.0	78	46520	No
219	GOM_TRA_1PNPDK20110122_160907_000000443098_00385_46520_4830.N1	22-JAN-2011 16:09:07	Bright	44.000	17	78Bet Gem	1.1610	4500.0	88	46520	No
220	GOM_TRA_1PNPDK20110122_162456_000000493098_00385_46520_4831.N1	22-JAN-2011 16:24:56	Bright	49.000	36	50Alp UMa	1.8000	6300.0	98	46520	No
221	GOM_TRA_1PNPDK20110122_162922_000000403098_00385_46520_4832.N1	22-JAN-2011 16:29:22	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	46520	No
222	GOM_TRA_1PNPDK20110122_163352_000000403098_00385_46520_4833.N1	22-JAN-2011 16:33:52	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	46520	No
223	GOM_TRA_1PNPDK20110122_163642_000000403098_00385_46520_4834.N1	22-JAN-2011 16:36:42	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	46520	No
224	GOM_TRA_1PNPDK20110122_164305_000000573098_00385_46520_4835.N1	22-JAN-2011 16:43:05	Bright	57.000	133	40Zet Her	2.8070	6000.0	114	46520	No
225	GOM_TRA_1PNPDK20110122_164528_000000713098_00385_46520_4836.N1	22-JAN-2011 16:45:28	Bright	71.000	67	5Alp CrB	2.2210	11000.	142	46520	No
226	GOM_TRA_1PNPDK20110122_165224_000000553098_00385_46520_4837.N1	22-JAN-2011 16:52:24	Bright	54.500	102	24Alp Ser	2.6000	4250.0	109	46520	No
227	GOM_TRA_1PNPDK20110122_165538_000000443098_00385_46520_4838.N1	22-JAN-2011 16:55:38	Bright	43.500	98	13Zet Oph	2.5710	30000.	87	46520	No
228	GOM_TRA_1PNPDK20110122_170007_000000493098_00385_46520_4839.N1	22-JAN-2011 17:00:07	Twilight	48.500	16	21Alp Sco	1.0200	3000.0	97	46520	No
229	GOM_TRA_1PNPDK20110122_170536_000000433098_00385_46520_4840.N1	22-JAN-2011 17:05:36	Dark	42.500	131	Gam Lup	2.8000	26000.	85	46520	No
230	GOM_TRA_1PNPDK20110122_170734_000000433098_00385_46520_4841.N1	22-JAN-2011 17:07:34	Dark	42.500	109	Bet Lup	2.6770	26000.	85	46520	No
231	GOM_TRA_1PNPDK20110122_170933_000000553098_00386_46521_4842.N1	22-JAN-2011 17:09:33	Dark	54.500	54	5The Cen	2.0550	4500.0	109	46521	No
232	GOM_TRA_1PNPDK20110122_171120_000000453098_00386_46521_4843.N1	22-JAN-2011 17:11:20	Dark	44.500	95	Zet Cen	2.5450	26000.	89	46521	No
233	GOM_TRA_1PNPDK20110122_171305_000000533098_00386_46521_4844.N1	22-JAN-2011 17:13:05	Dark	53.000	123	lot Cen	2.7500	10200.	106	46521	No
234	GOM_TRA_1PNPDK20110122_171544_000000523098_00386_46521_4845.N1	22-JAN-2011 17:15:44	Dark	52.000	12	Alp1Cru	0.77500	30000.	104	46521	No
235	GOM_TRA_1PNPDK20110122_172114_000000473098_00386_46521_4846.N1	22-JAN-2011 17:21:14	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	46521	No
236	GOM_TRA_1PNPDK20110122_172251_000000423098_00386_46521_4847.N1	22-JAN-2011 17:22:51	Dark	42.000	91	Kap Vel	2.4900	26000.	84	46521	No
237	GOM_TRA_1PNPDK20110122_172610_000000533098_00386_46521_4848.N1	22-JAN-2011 17:26:10	Dark	53.000	65	Lam Vel	2.2040	4400.0	106	46521	No
238	GOM_TRA_1PNPDK20110122_172833_000000463098_00386_46521_4854.N1	22-JAN-2011 17:28:33	Straylight	45.500	70	Zet Pup	2.2460	39000.	91	46521	No
239	GOM_TRA_1PNPDK20110122_173303_000000453098_00386_46521_4855.N1	22-JAN-2011 17:33:03	Straylight	44.500	132	15Rho Pup	2.8030	6900.0	89	46521	No
240	GOM_TRA_1PNPDK20110122_174217_000000583098_00386_46521_4856.N1	22-JAN-2011 17:42:17	Tw_i_and_stray	58.000	8	10Alp CMi	0.40000	6500.0	116	46521	No
241	GOM_TRA_1PNPDK20110122_174754_000000393098_00386_46521_4857.N1	22-JAN-2011 17:47:54	Bright	39.000	170	27Eps Gem	3.0000	9700.0	78	46521	No
242	GOM_TRA_1PNPDK20110122_174921_000000443098_00386_46521_4858.N1	22-JAN-2011 17:49:21	Bright	44.000	17	78Bet Gem	1.1610	4500.0	88	46521	No
243	GOM_TRA_1PNPDK20110122_180509_000000473098_00386_46521_4859.N1	22-JAN-2011 18:05:09	Bright	46.500	36	50Alp UMa	1.8000	6300.0	93	46521	No
244	GOM_TRA_1PNPDK20110122_180936_000000403098_00386_46521_4860.N1	22-JAN-2011 18:09:36	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	46521	No
245	GOM_TRA_1PNPDK20110122_181406_000000413098_00386_46521_4861.N1	22-JAN-2011 18:14:06	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	46521	No

246	GOM_TRA_1PNPDK20110122_181656_000000533098_00386_46521_4862.N1	22-JAN-2011 18:16:56	Bright	53.000	130	23Bet Dra	2.7990	5800.0	106	46521	No
247	GOM_TRA_1PNPDK20110122_182319_000000403098_00386_46521_4863.N1	22-JAN-2011 18:23:19	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	46521	No
248	GOM_TRA_1PNPDK20110122_182542_000000713098_00386_46521_4864.N1	22-JAN-2011 18:25:42	Bright	71.000	67	5Alp CrB	2.2210	11000.	142	46521	No
249	GOM_TRA_1PNPDK20110122_183239_000000553098_00386_46521_4865.N1	22-JAN-2011 18:32:39	Bright	55.000	102	24Alp Ser	2.6000	4250.0	110	46521	No
250	GOM_TRA_1PNPDK20110122_183552_000000443098_00386_46521_4866.N1	22-JAN-2011 18:35:52	Bright	43.500	98	13Zet Oph	2.5710	30000.	87	46521	No
251	GOM_TRA_1PNPDK20110122_184021_000000553098_00386_46521_4867.N1	22-JAN-2011 18:40:21	Twilight	54.500	16	21Alp Sco	1.0200	3000.0	109	46521	No
252	GOM_TRA_1PNPDK20110122_184551_000000413098_00386_46521_4868.N1	22-JAN-2011 18:45:51	Dark	40.500	131	Gam Lup	2.8000	26000.	81	46521	No
253	GOM_TRA_1PNPDK20110122_184749_000000443098_00386_46521_4869.N1	22-JAN-2011 18:47:49	Dark	44.000	109	Bet Lup	2.6770	26000.	88	46521	No
254	GOM_TRA_1PNPDK20110122_184948_000000533098_00387_46522_4870.N1	22-JAN-2011 18:49:48	Dark	53.000	54	5The Cen	2.0550	4500.0	106	46522	No
255	GOM_TRA_1PNPDK20110122_185135_000000463098_00387_46522_4871.N1	22-JAN-2011 18:51:35	Dark	45.500	95	Zet Cen	2.5450	26000.	91	46522	No
256	GOM_TRA_1PNPDK20110122_185321_000000533098_00387_46522_4872.N1	22-JAN-2011 18:53:21	Dark	52.500	123	lot Cen	2.7500	10200.	105	46522	No
257	GOM_TRA_1PNPDK20110122_185559_000000423098_00387_46522_4873.N1	22-JAN-2011 18:55:59	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	46522	No
258	GOM_TRA_1PNPDK20110122_190128_000000453098_00387_46522_4874.N1	22-JAN-2011 19:01:28	Dark	44.500	113	Mu Vel	2.6920	5000.0	89	46522	No
259	GOM_TRA_1PNPDK20110122_190306_000000403098_00387_46522_4883.N1	22-JAN-2011 19:03:06	Dark	40.000	91	Kap Vel	2.4900	26000.	80	46522	Yes
260	GOM_TRA_1PNPDK20110122_190625_000000523098_00387_46522_4884.N1	22-JAN-2011 19:06:25	Dark	52.000	65	Lam Vel	2.2040	4400.0	104	46522	No
261	GOM_TRA_1PNPDK20110122_190847_000000423098_00387_46522_4885.N1	22-JAN-2011 19:08:47	Straylight	41.500	70	Zet Pup	2.2460	39000.	83	46522	No
262	GOM_TRA_1PNPDK20110122_191317_000000423098_00387_46522_4886.N1	22-JAN-2011 19:13:17	Straylight	41.500	132	15Rho Pup	2.8030	6900.0	83	46522	No
263	GOM_TRA_1PNPDK20110122_192231_000000533098_00387_46522_4887.N1	22-JAN-2011 19:22:31	Tw_and_stray	52.500	8	10Alp CMi	0.40000	6500.0	105	46522	No
264	GOM_TRA_1PNPDK20110122_192808_000000403098_00387_46522_4888.N1	22-JAN-2011 19:28:08	Bright	39.500	170	27Eps Gem	3.0000	9700.0	79	46522	No
265	GOM_TRA_1PNPDK20110122_192935_000000453098_00387_46522_4889.N1	22-JAN-2011 19:29:35	Bright	45.000	17	78Bet Gem	1.1610	4500.0	90	46522	No
266	GOM_TRA_1PNPDK20110122_194522_000000503098_00387_46522_4890.N1	22-JAN-2011 19:45:22	Bright	49.500	36	50Alp UMa	1.8000	6300.0	99	46522	No
267	GOM_TRA_1PNPDK20110122_194950_000000363098_00387_46522_4891.N1	22-JAN-2011 19:49:50	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	46522	No
268	GOM_TRA_1PNPDK20110122_195420_000000473098_00387_46522_4892.N1	22-JAN-2011 19:54:20	Bright	46.500	119	14Eta Dra	2.7270	4700.0	93	46522	No
269	GOM_TRA_1PNPDK20110122_195710_000000353098_00387_46522_4893.N1	22-JAN-2011 19:57:10	Bright	34.500	130	23Bet Dra	2.7990	5800.0	69	46522	No
270	GOM_TRA_1PNPDK20110122_200333_000000573098_00387_46522_4894.N1	22-JAN-2011 20:03:33	Bright	57.000	133	40Zet Her	2.8070	6000.0	114	46522	No
271	GOM_TRA_1PNPDK20110122_200556_000000503098_00387_46522_4895.N1	22-JAN-2011 20:05:56	Bright	49.500	67	5Alp CrB	2.2210	11000.	99	46522	No
272	GOM_TRA_1PNPDK20110122_201254_000000523098_00387_46522_4896.N1	22-JAN-2011 20:12:54	Bright	52.000	102	24Alp Ser	2.6000	4250.0	104	46522	No
273	GOM_TRA_1PNPDK20110122_201607_000000463098_00387_46522_4897.N1	22-JAN-2011 20:16:07	Bright	46.000	98	13Zet Oph	2.5710	30000.	92	46522	No
274	GOM_TRA_1PNPDK20110122_202036_000000483098_00387_46522_4898.N1	22-JAN-2011 20:20:36	Twilight	47.500	16	21Alp Sco	1.0200	3000.0	95	46522	No
275	GOM_TRA_1PNPDK20110122_202606_000000433098_00387_46522_4899.N1	22-JAN-2011 20:26:06	Dark	42.500	131	Gam Lup	2.8000	26000.	85	46522	No
276	GOM_TRA_1PNPDK20110122_202804_000000443098_00387_46522_4900.N1	22-JAN-2011 20:28:04	Dark	43.500	109	Bet Lup	2.6770	26000.	87	46522	No
277	GOM_TRA_1PNPDK20110122_203003_000000553098_00388_46523_4901.N1	22-JAN-2011 20:30:03	Dark	55.000	54	5The Cen	2.0550	4500.0	110	46523	No
278	GOM_TRA_1PNPDK20110122_203150_000000453098_00388_46523_4902.N1	22-JAN-2011 20:31:50	Dark	44.500	95	Zet Cen	2.5450	26000.	89	46523	No
279	GOM_TRA_1PNPDK20110122_203336_000000563098_00388_46523_4903.N1	22-JAN-2011 20:33:36	Dark	55.500	123	lot Cen	2.7500	10200.	111	46523	No
280	GOM_TRA_1PNPDK20110122_203614_000000413098_00388_46523_4904.N1	22-JAN-2011 20:36:14	Dark	40.500	12	Alp1Cru	0.77500	30000.	81	46523	No
281	GOM_TRA_1PNPDK20110122_204143_000000463098_00388_46523_4905.N1	22-JAN-2011 20:41:43	Dark	46.000	113	Mu Vel	2.6920	5000.0	92	46523	No
282	GOM_TRA_1PNPDE20110122_204320_000000403098_00388_46523_5896.N1	22-JAN-2011 20:43:20	Dark	40.000	91	Kap Vel	2.4900	26000.	80	46523	No
283	GOM_TRA_1PNPDE20110122_204639_000000523098_00388_46523_5897.N1	22-JAN-2011 20:46:39	Dark	51.500	65	Lam Vel	2.2040	4400.0	103	46523	No
284	GOM_TRA_1PNPDE20110122_204902_000000423098_00388_46523_5898.N1	22-JAN-2011 20:49:02	Straylight	42.000	70	Zet Pup	2.2460	39000.	84	46523	No
285	GOM_TRA_1PNPDE20110122_205331_000000443098_00388_46523_5899.N1	22-JAN-2011 20:53:31	Straylight	44.000	132	15Rho Pup	2.8030	6900.0	88	46523	No
286	GOM_TRA_1PNPDE20110122_210245_000000543098_00388_46523_5900.N1	22-JAN-2011 21:02:45	Tw_and_stray	53.500	8	10Alp CMi	0.40000	6500.0	107	46523	No
287	GOM_TRA_1PNPDE20110122_210822_000000393098_00388_46523_5901.N1	22-JAN-2011 21:08:22	Bright	39.000	170	27Eps Gem	3.0000	9700.0	78	46523	No
288	GOM_TRA_1PNPDE20110122_210948_000000453098_00388_46523_5902.N1	22-JAN-2011 21:09:48	Bright	45.000	17	78Bet Gem	1.1610	4500.0	90	46523	No
289	GOM_TRA_1PNPDE20110122_212535_000000493098_00388_46523_5903.N1	22-JAN-2011 21:25:35	Bright	48.500	36	50Alp UMa	1.8000	6300.0	97	46523	No
290	GOM_TRA_1PNPDE20110122_213004_000000373098_00388_46523_5904.N1	22-JAN-2011 21:30:04	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	46523	No
291	GOM_TRA_1PNPDE20110122_213434_000000403098_00388_46523_5905.N1	22-JAN-2011 21:34:34	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	46523	No
292	GOM_TRA_1PNPDE20110122_213724_000000353098_00388_46523_5906.N1	22-JAN-2011 21:37:24	Bright	34.500	130	23Bet Dra	2.7990	5800.0	69	46523	No
293	GOM_TRA_1PNPDE20110122_214347_000000383098_00388_46523_5907.N1	22-JAN-2011 21:43:47	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	46523	No
294	GOM_TRA_1PNPDE20110122_214610_000000483098_00388_46523_5908.N1	22-JAN-2011 21:46:10	Bright	47.500	67	5Alp CrB	2.2210	11000.	95	46523	No
295	GOM_TRA_1PNPDE20110122_215309_000000513098_00388_46523_5909.N1	22-JAN-2011 21:53:09	Bright	51.000	102	24Alp Ser	2.6000	4250.0	102	46523	No
296	GOM_TRA_1PNPDE20110122_215621_000000433098_00388_46523_5910.N1	22-JAN-2011 21:56:21	Bright	43.000	98	13Zet Oph	2.5710	30000.	86	46523	No
297	GOM_TRA_1PNPDE20110122_220050_000000533098_00388_46523_5918.N1	22-JAN-2011 22:00:50	Twilight	52.500	16	21Alp Sco	1.0200	3000.0	105	46523	No
298	GOM_TRA_1PNPDE20110122_220620_000000403098_00388_46523_5919.N1	22-JAN-2011 22:06:20	Dark	40.000	131	Gam Lup	2.8000	26000.	80	46523	No
299	GOM_TRA_1PNPDE20110122_220819_000000433098_00388_46523_5920.N1	22-JAN-2011 22:08:19	Dark	42.500	109	Bet Lup	2.6770	26000.	85	46523	No
300	GOM_TRA_1PNPDE20110122_221018_000000533098_00389_46524_5921.N1	22-JAN-2011 22:10:18	Dark	52.500	54	5The Cen	2.0550	4500.0	105	46524	No
301	GOM_TRA_1PNPDE20110122_221301_000000433098_00389_46524_5922.N1	22-JAN-2011 22:13:01	Dark	42.500	10	Bet Cen	0.61000	28000.	85	46524	No
302	GOM_TRA_1PNPDE20110122_221628_000000423098_00389_46524_5923.N1	22-JAN-2011 22:16:28	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	46524	No
303	GOM_TRA_1PNPDE20110122_222157_000000503098_00389_46524_5924.N1	22-JAN-2011 22:21:57	Dark	50.000	113	Mu Vel	2.6920	5000.0	100	46524	No
304	GOM_TRA_1PNPDE20110122_222335_000000433098_00389_46524_5925.N1	22-JAN-2011 22:23:35	Dark	42.500	91	Kap Vel	2.4900	26000.	85	46524	No

305	GOM_TRA_1PNPDE20110122_222654_000000553098_00389_46524_5926.N1	22-JAN-2011 22:26:54	Dark	54.500	65	Lam Vel	2.2040	4400.0	109	46524	No
306	GOM_TRA_1PNPDE20110122_222916_000000403098_00389_46524_5927.N1	22-JAN-2011 22:29:16	Straylight	39.500	70	Zet Pup	2.2460	39000.	79	46524	No
307	GOM_TRA_1PNPDE20110122_223346_000000443098_00389_46524_5928.N1	22-JAN-2011 22:33:46	Straylight	43.500	132	15Rho Pup	2.8030	6900.0	87	46524	No
308	GOM_TRA_1PNPDE20110122_224258_000000573098_00389_46524_5929.N1	22-JAN-2011 22:42:58	Twilight	57.000	8	10Alp CMi	0.40000	6500.0	114	46524	No
309	GOM_TRA_1PNPDE20110122_224836_000000403098_00389_46524_5930.N1	22-JAN-2011 22:48:36	Bright	39.500	170	27Eps Gem	3.0000	9700.0	79	46524	No
310	GOM_TRA_1PNPDE20110122_225002_000000443098_00389_46524_5931.N1	22-JAN-2011 22:50:02	Bright	44.000	17	78Bet Gem	1.1610	4500.0	88	46524	No
311	GOM_TRA_1PNPDE20110122_230549_000000483098_00389_46524_5932.N1	22-JAN-2011 23:05:49	Bright	47.500	36	50Alp UMa	1.8000	6300.0	95	46524	No
312	GOM_TRA_1PNPDE20110122_231017_000000363098_00389_46524_5933.N1	22-JAN-2011 23:10:17	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	46524	No
313	GOM_TRA_1PNPDE20110122_231448_000000393098_00389_46524_5934.N1	22-JAN-2011 23:14:48	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	46524	No
314	GOM_TRA_1PNPDE20110122_231738_000000373098_00389_46524_5935.N1	22-JAN-2011 23:17:38	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	46524	No
315	GOM_TRA_1PNPDE20110122_232401_000000433098_00389_46524_5936.N1	22-JAN-2011 23:24:01	Bright	42.500	133	40Zet Her	2.8070	6000.0	85	46524	No
316	GOM_TRA_1PNPDE20110122_232625_000000713098_00389_46524_5937.N1	22-JAN-2011 23:26:25	Bright	71.000	67	5Alp CrB	2.2210	11000.	142	46524	No
317	GOM_TRA_1PNPDE20110122_233323_000000553098_00389_46524_5938.N1	22-JAN-2011 23:33:23	Bright	55.000	102	24Alp Ser	2.6000	4250.0	110	46524	No
318	GOM_TRA_1PNPDE20110122_233636_000000453098_00389_46524_5939.N1	22-JAN-2011 23:36:36	Bright	45.000	98	13Zet Oph	2.5710	30000.	90	46524	No
319	GOM_TRA_1PNPDE20110122_234105_000000563098_00389_46524_5941.N1	22-JAN-2011 23:41:05	Twilight	56.000	16	21Alp Sco	1.0200	3000.0	112	46524	No
320	GOM_TRA_1PNPDE20110122_234635_000000413098_00389_46524_5942.N1	22-JAN-2011 23:46:35	Dark	41.000	131	Gamma Lup	2.8000	26000.	82	46524	No
321	GOM_TRA_1PNPDE20110122_234833_000000433098_00389_46524_5943.N1	22-JAN-2011 23:48:33	Dark	42.500	109	Beta Lup	2.6770	26000.	85	46524	No
322	GOM_TRA_1PNPDE20110122_235034_000000643098_00390_46525_5944.N1	22-JAN-2011 23:50:34	Dark	64.000	54	5The Cen	2.0550	4500.0	128	46525	No
323	GOM_TRA_1PNPDE20110122_235316_000000513098_00390_46525_5945.N1	22-JAN-2011 23:53:16	Dark	51.000	10	Beta Cen	0.61000	28000.	102	46525	No
324	GOM_TRA_1PNPDE20110122_235642_000000423098_00390_46525_5946.N1	22-JAN-2011 23:56:42	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	46525	No

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



4. Overview of dark signal processing per product

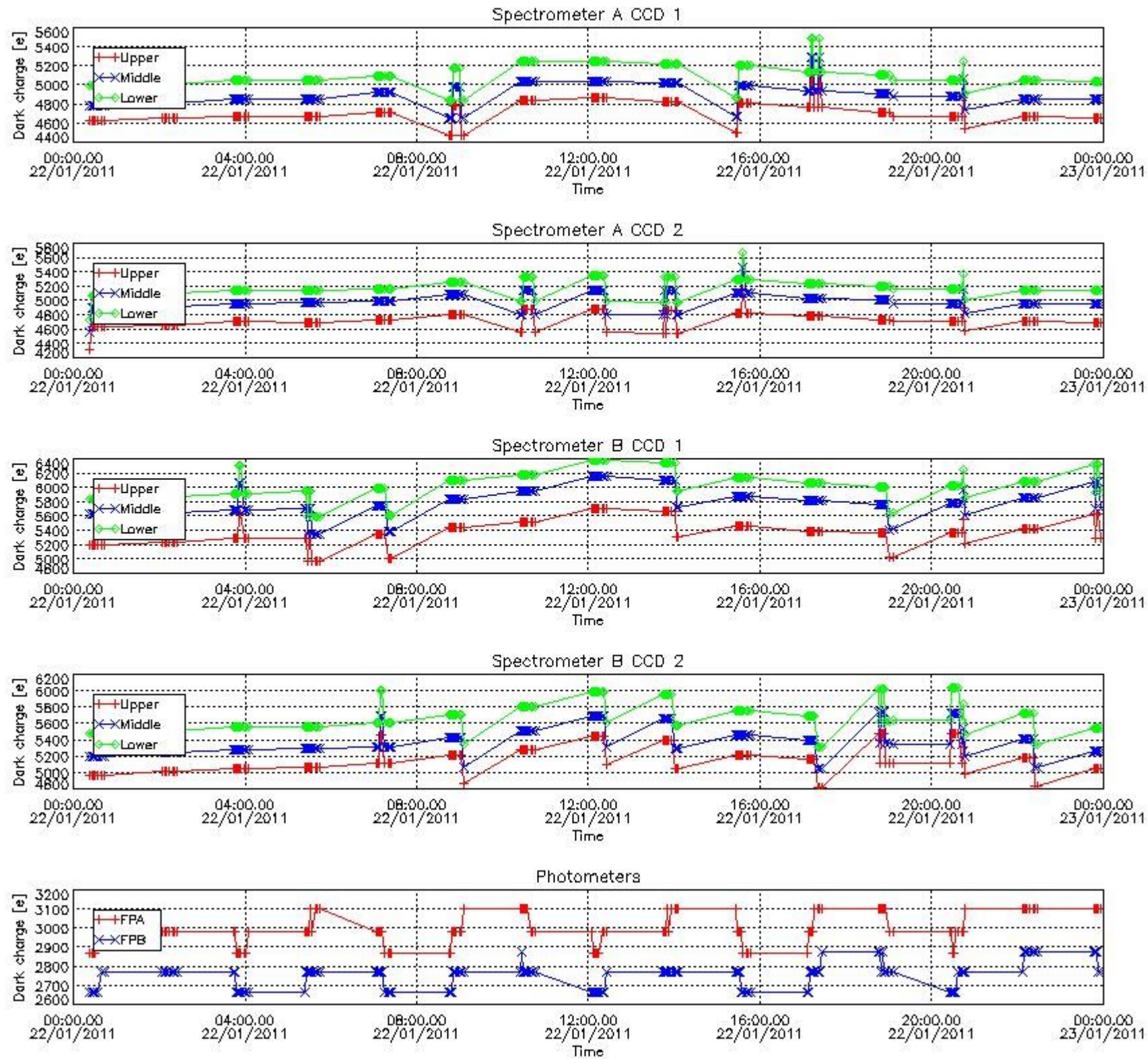
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20110122_204320_000000403098_00388_46523_5896.N1	DC map with no T dep.
GOM_TRA_1PNPDE20110122_204639_000000523098_00388_46523_5897.N1	DC map used
GOM_TRA_1PNPDE20110122_204902_000000423098_00388_46523_5898.N1	DC map used
GOM_TRA_1PNPDE20110122_205331_000000443098_00388_46523_5899.N1	DC map used
GOM_TRA_1PNPDE20110122_210245_000000543098_00388_46523_5900.N1	DC map used
GOM_TRA_1PNPDE20110122_210822_000000393098_00388_46523_5901.N1	DC map used
GOM_TRA_1PNPDE20110122_210948_000000453098_00388_46523_5902.N1	DC map used
GOM_TRA_1PNPDE20110122_212535_000000493098_00388_46523_5903.N1	DC map used
GOM_TRA_1PNPDE20110122_213004_000000373098_00388_46523_5904.N1	DC map used
GOM_TRA_1PNPDE20110122_213434_000000403098_00388_46523_5905.N1	DC map used
GOM_TRA_1PNPDE20110122_213724_000000353098_00388_46523_5906.N1	DC map used
GOM_TRA_1PNPDE20110122_214347_000000383098_00388_46523_5907.N1	DC map used
GOM_TRA_1PNPDE20110122_214610_000000483098_00388_46523_5908.N1	DC map used
GOM_TRA_1PNPDE20110122_215309_000000513098_00388_46523_5909.N1	DC map used
GOM_TRA_1PNPDE20110122_215621_000000433098_00388_46523_5910.N1	DC map used

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



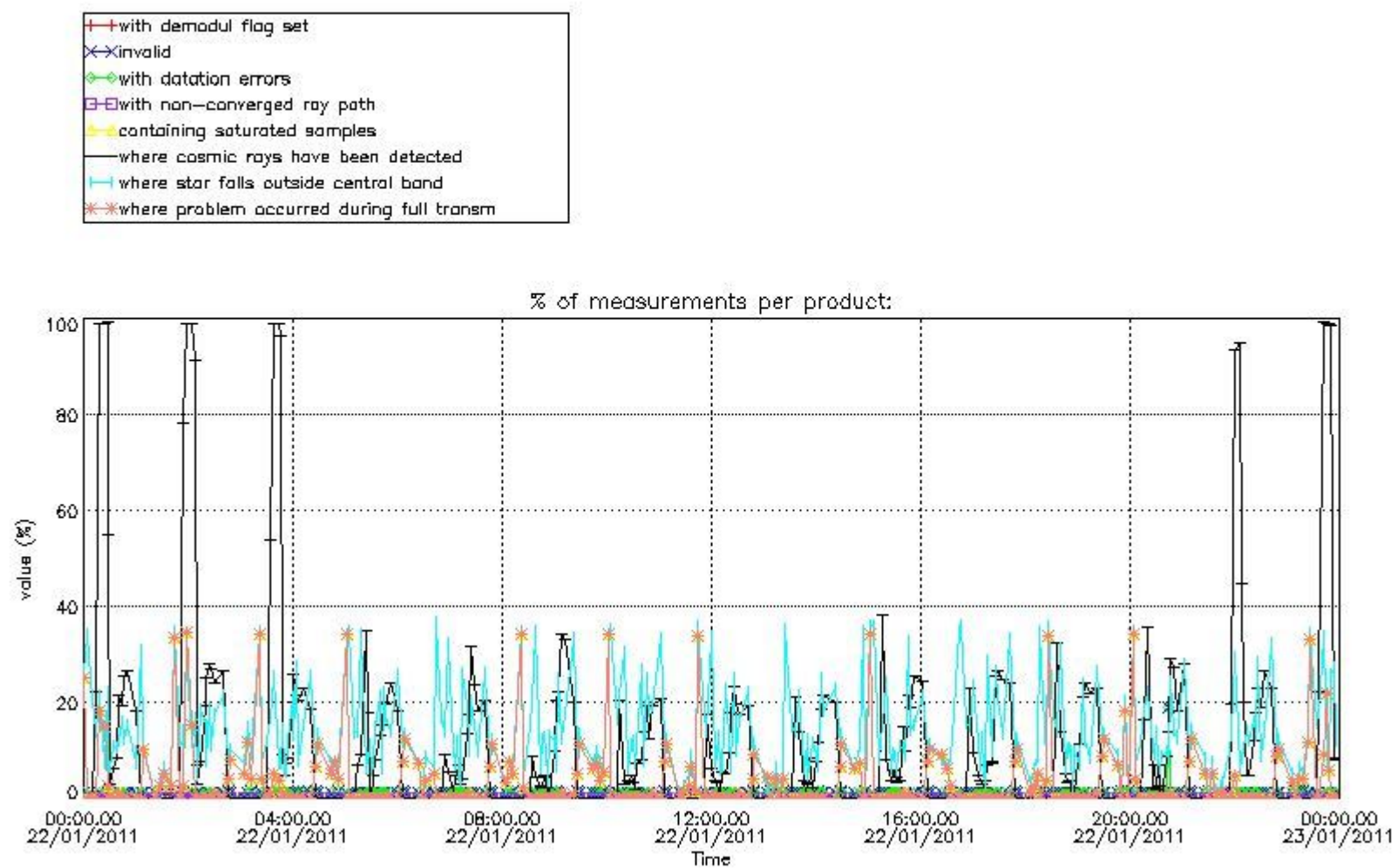
5. Demodulation flag and quality information monitoring

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.

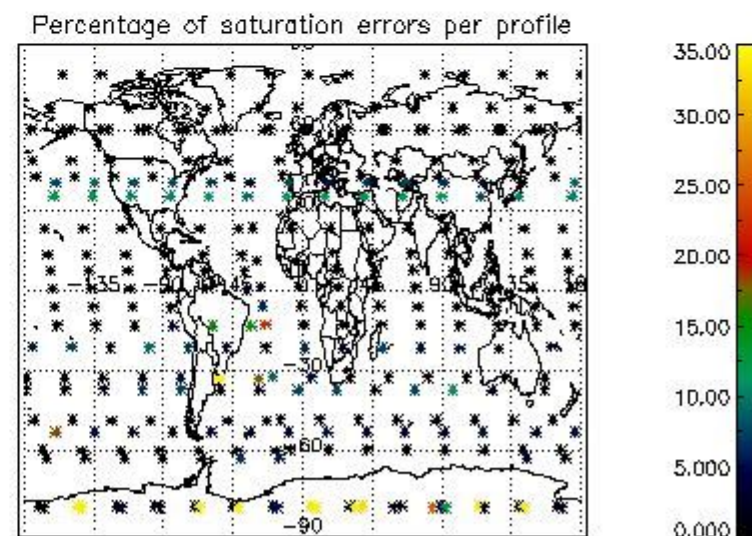
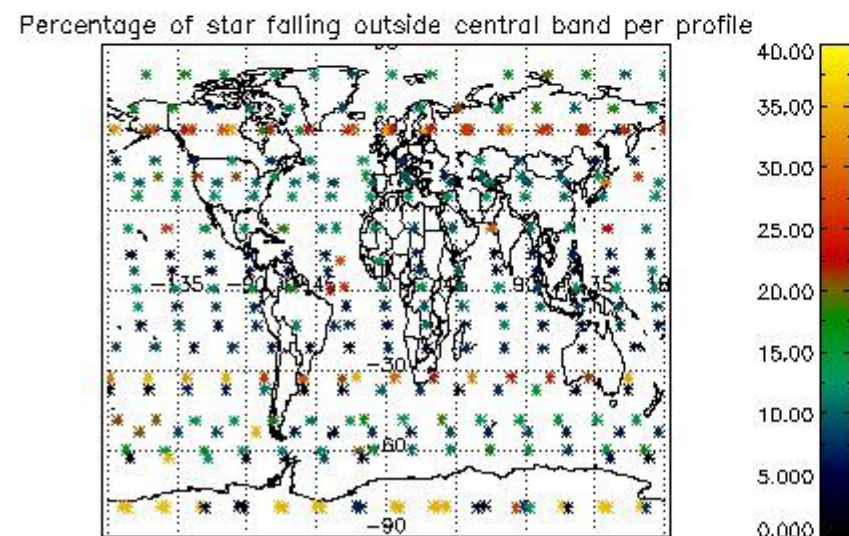
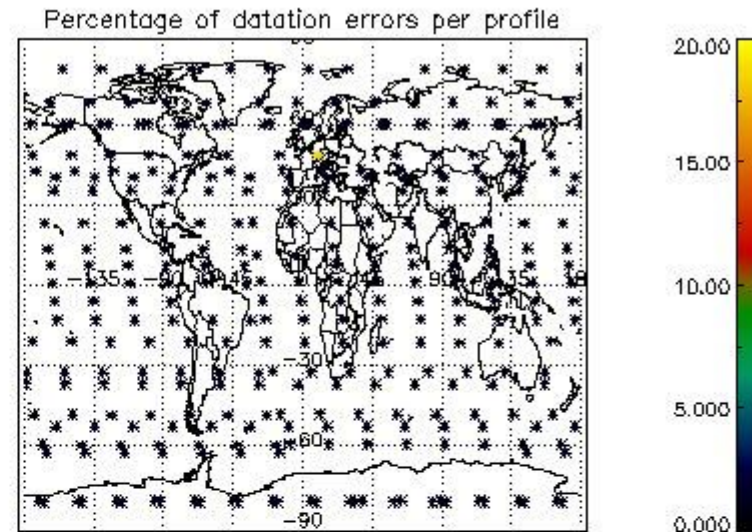
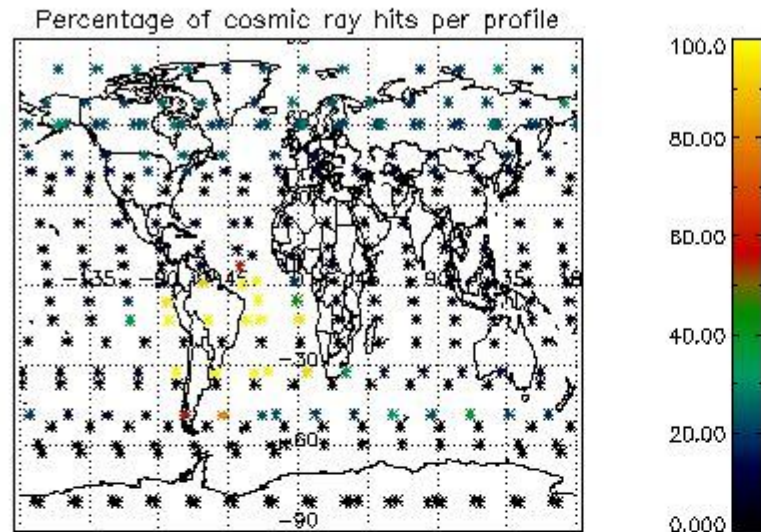
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	53.4161 %
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)



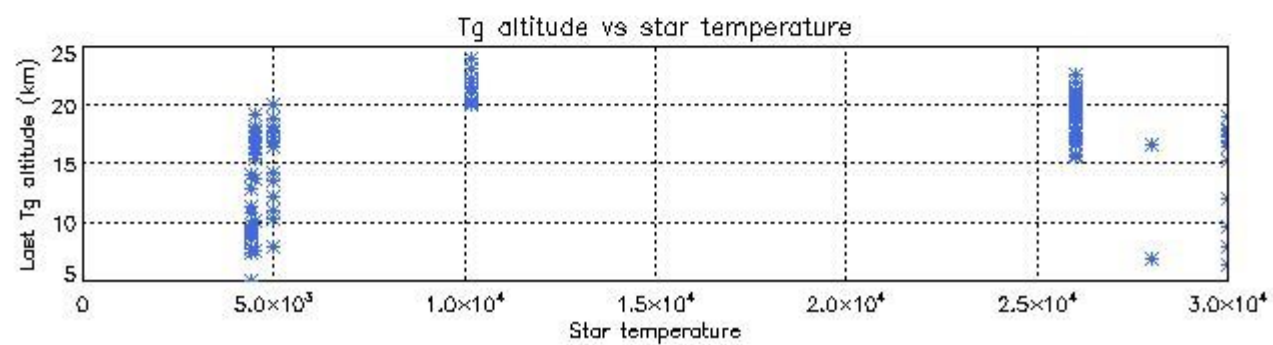
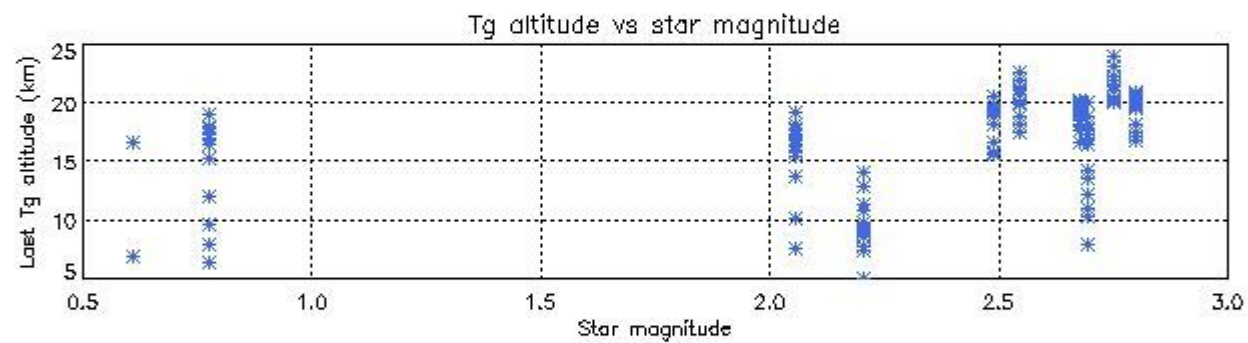
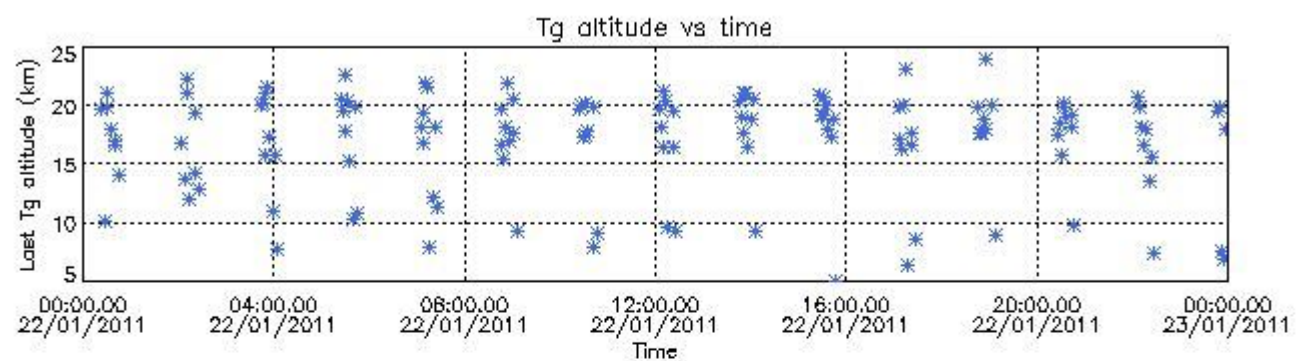
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	16.954	16.158	6.6302
St. deviation:	4.2640	6.4470	2.7399
Maximum:	23.951	28.485	10.916
Minimum:	5.0349	3.5554	3.5897
Number of data:	127.00	139.00	15.000

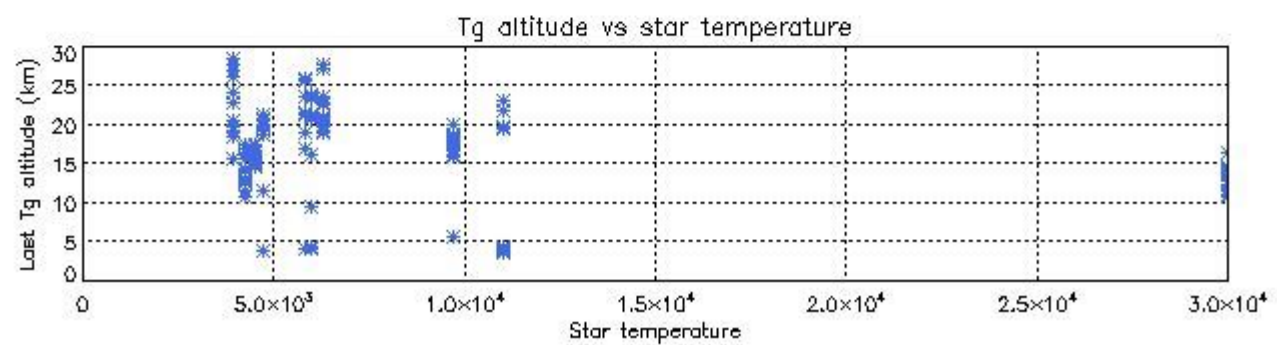
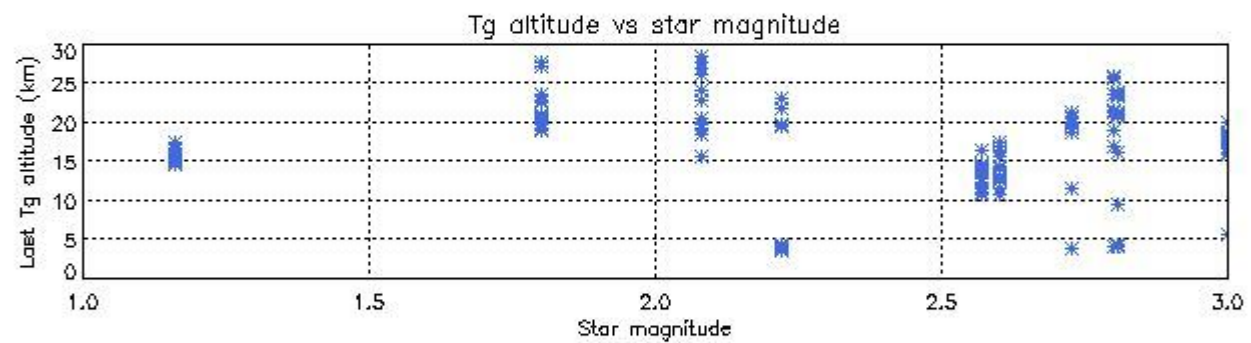
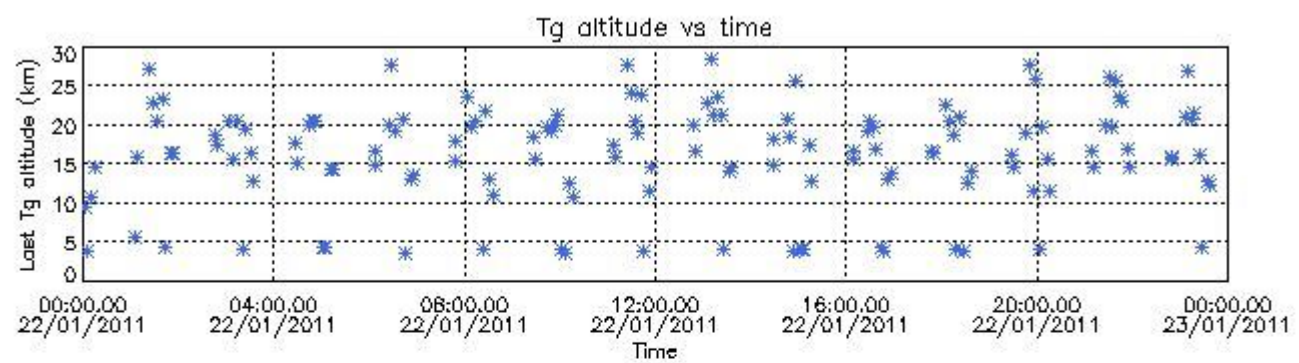
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



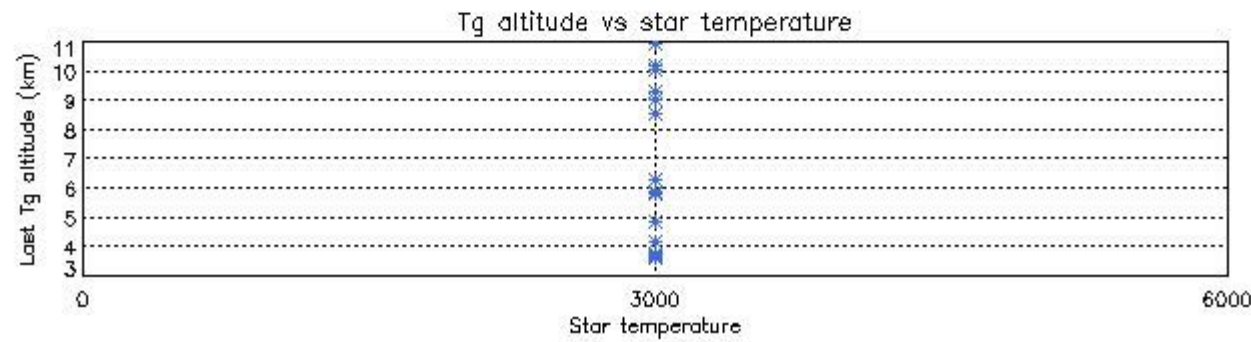
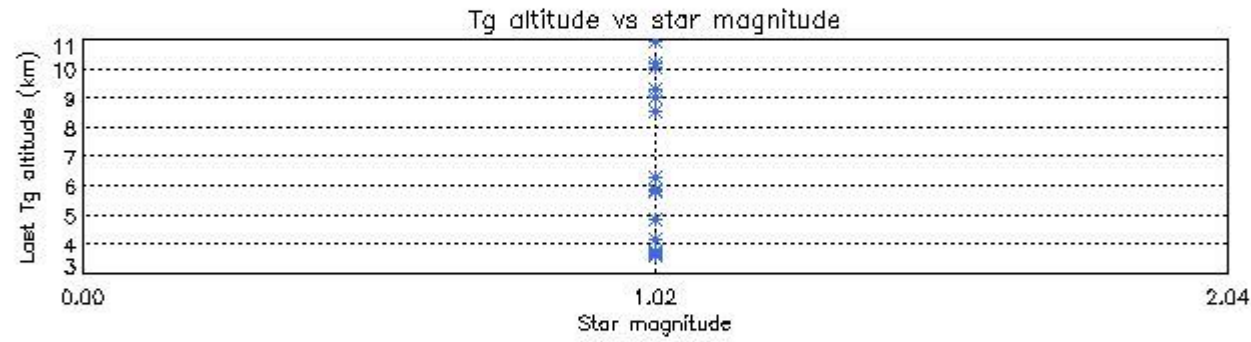
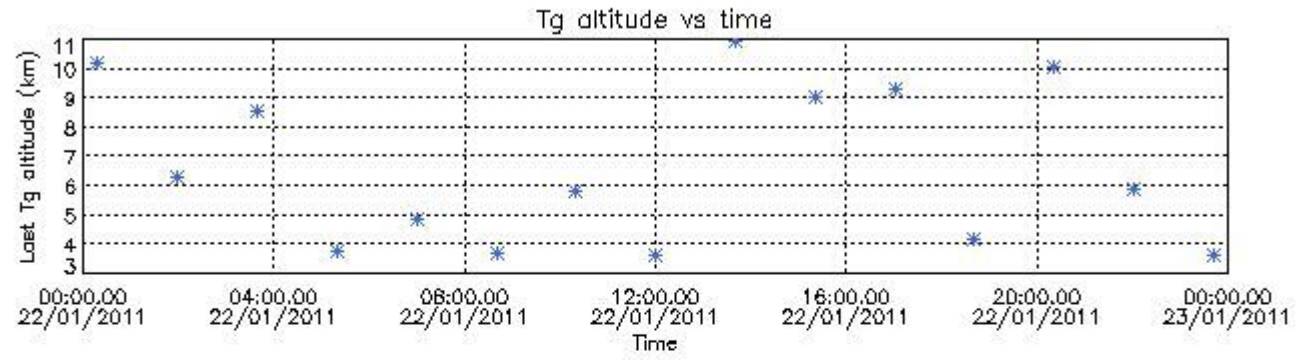
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

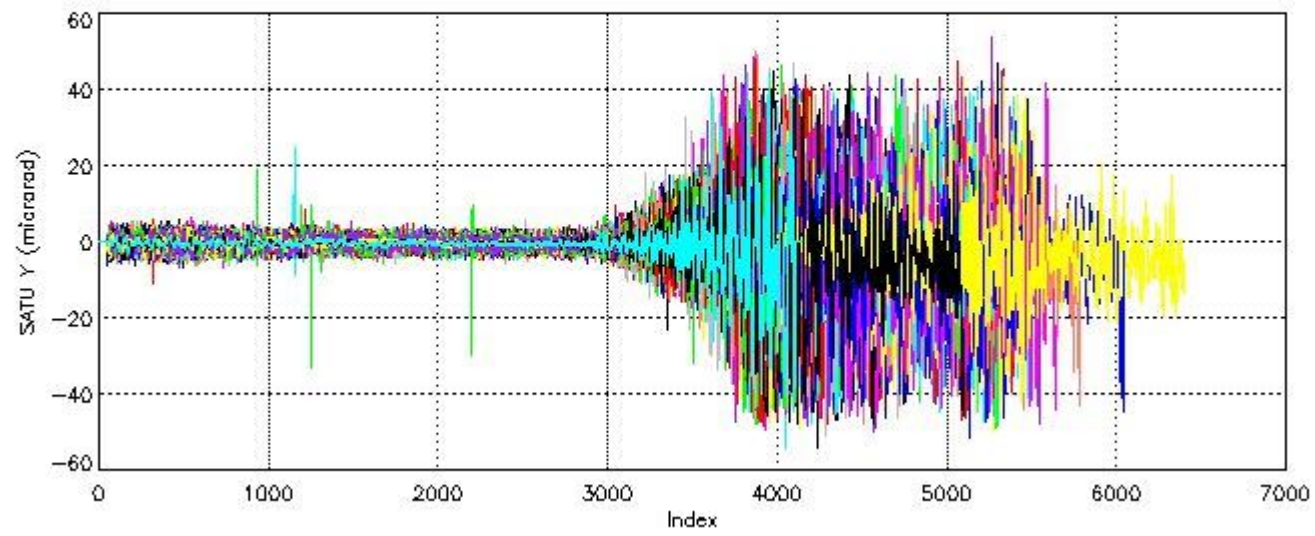
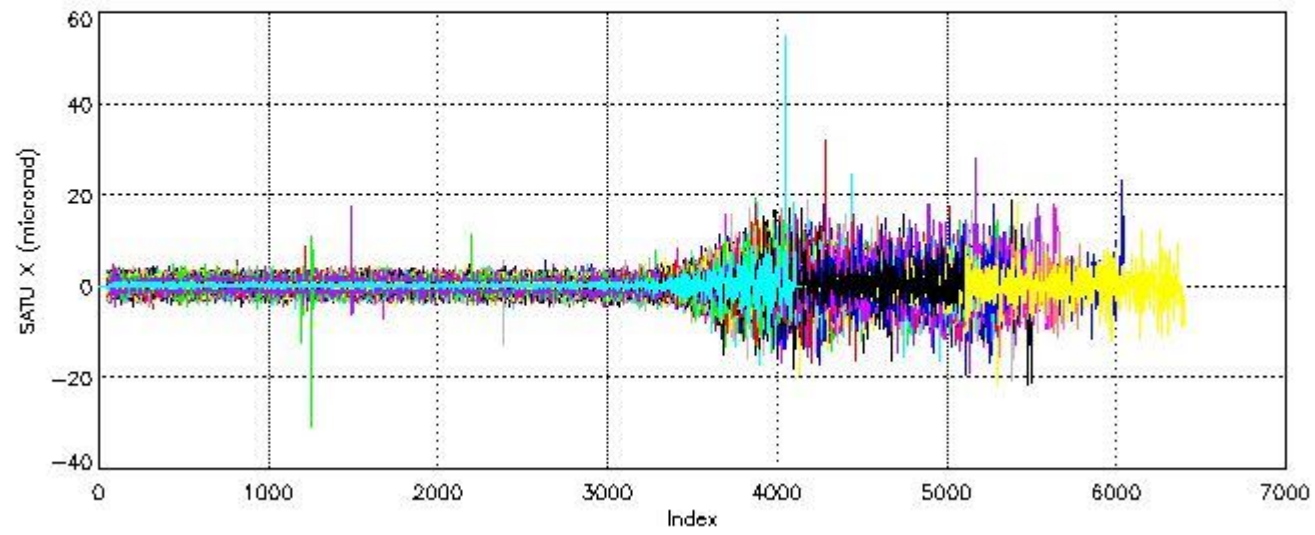


7. Star Acquisition and Tracking Unit (SATU)

The Star Acquisition and Tracking Unit (SATU) analyses the position of the tracked star beam collected by the GOMOS telescope and deflected by the optical beam dispatcher. The main function of the SATU is to detect a star, provide its image position to the science data electronics and to help the pointing function to keep the star image at a fixed position. In tracking mode the SATU data is recorded with a frequency of 100 Hz.

7.1 SATU 'X' and 'Y' axis plots (dark limb)

SATU CCD 'X' and 'Y' axis plots are provided in order to detect any abnormal behaviour of the tracking system. For every occultation (color) the plot should remain stable (with some noise) until we are deep in the atmosphere where big fluctuations are registered due to the refractive effects.



7.2 Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere.

Statistics (in microradians) above 105 km are computed for every occultation, giving four values per occultation: one in the 'X' direction and one in the 'Y' direction for dark and bright limbs. A mean value per day in every direction and limb is calculated and monitored in order to assess instrument performance in terms of star pointing.

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.21166	-0.38187	0.15697	-0.35612
St. deviation:	0.72279	1.1932	0.62672	0.93590
Maximum:	5.8000	19.000	4.0000	7.2000
Minimum:	-4.7000	-11.300	-4.7000	-5.6000

Number of data: 1.3810E+05 1.3810E+05 1.3765E+05 1.3765E+05

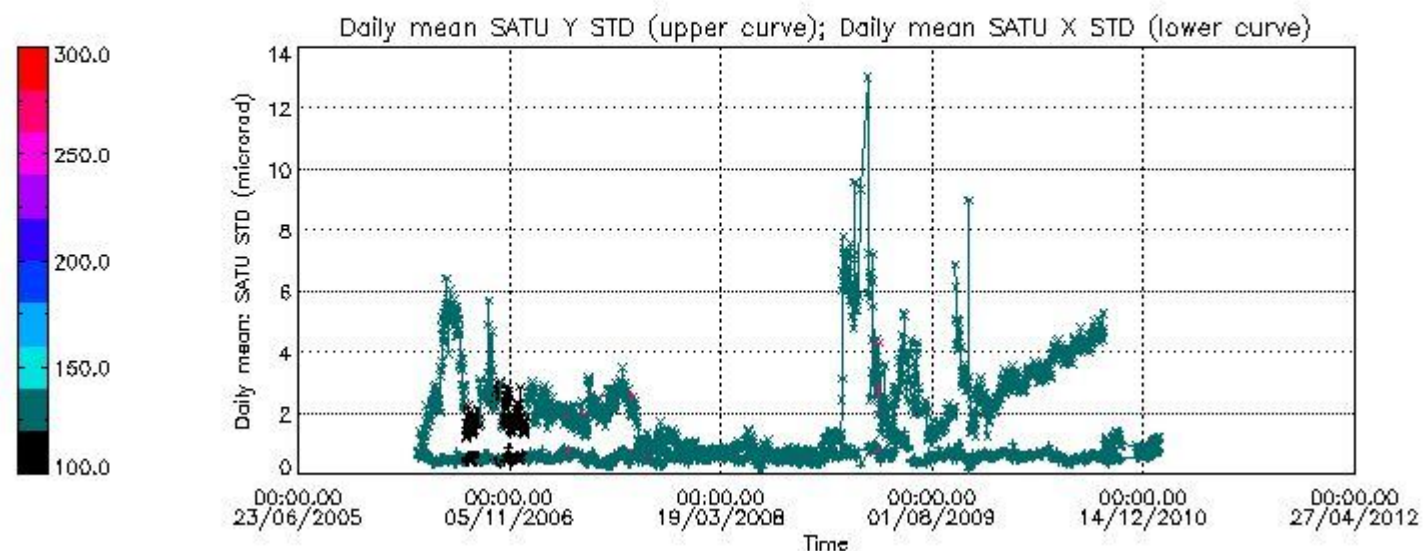
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

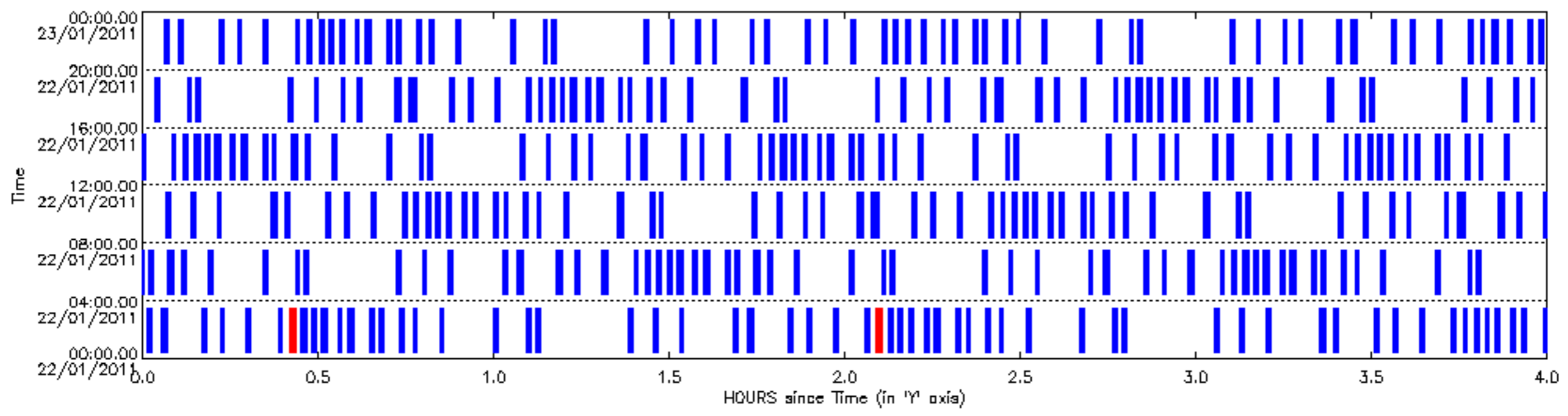


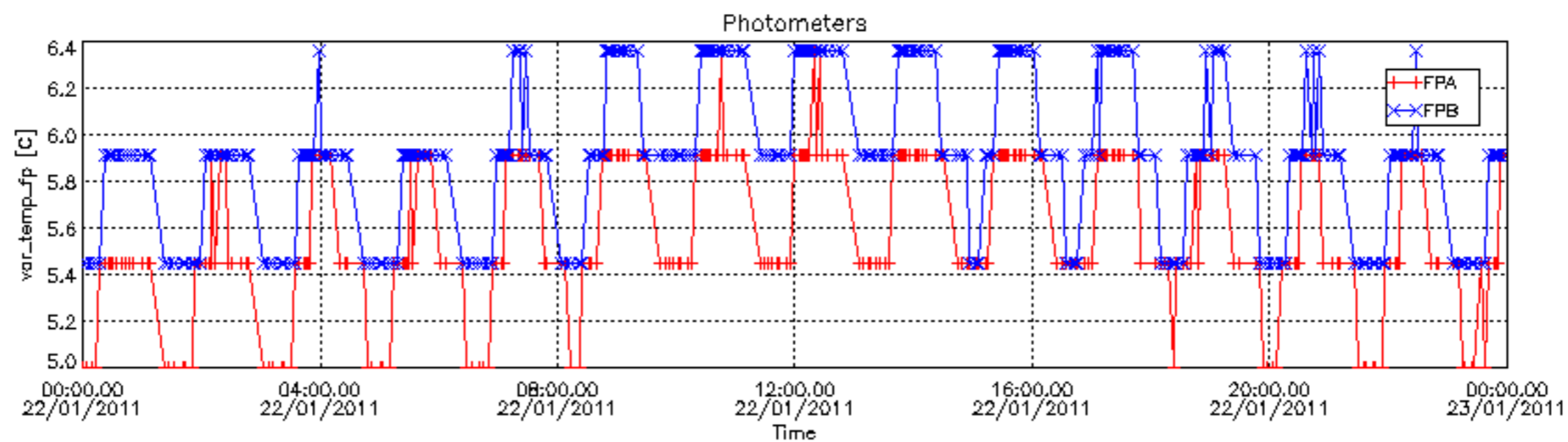
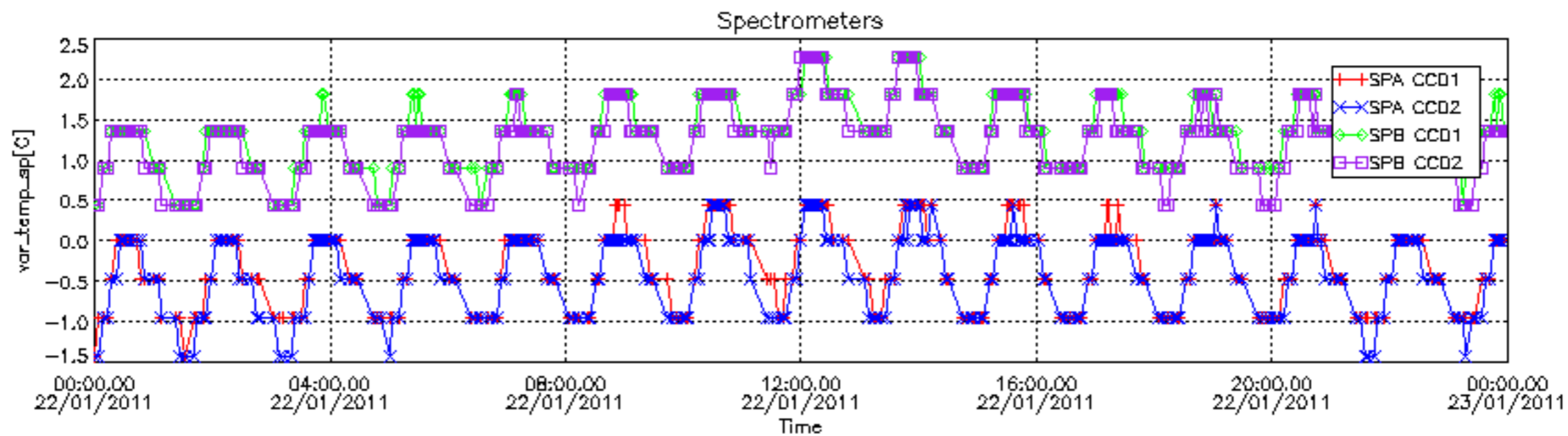
8. Auxiliary Data Files used for the production reported in section 2.4

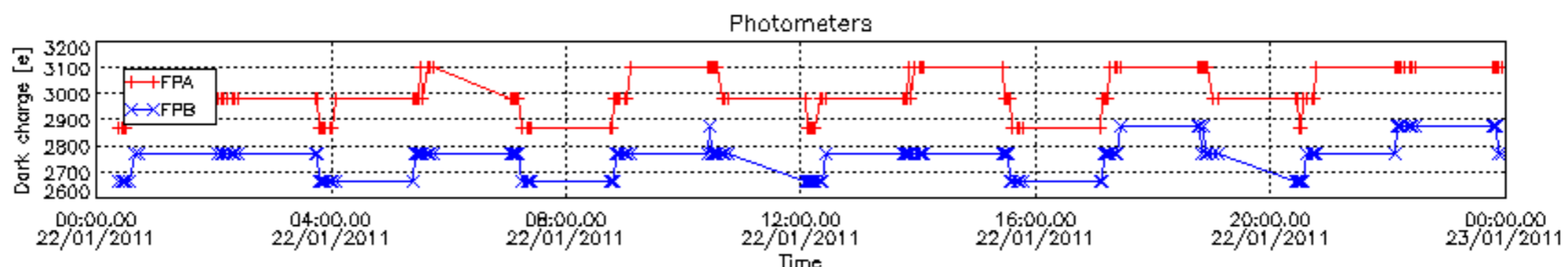
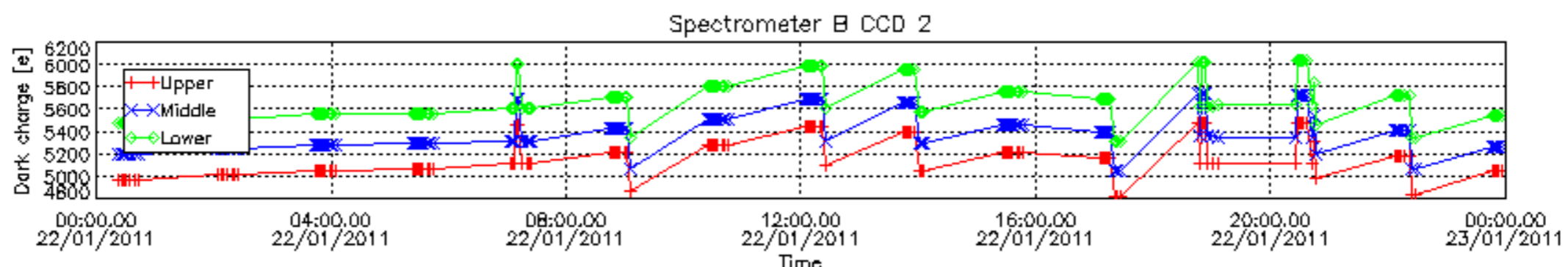
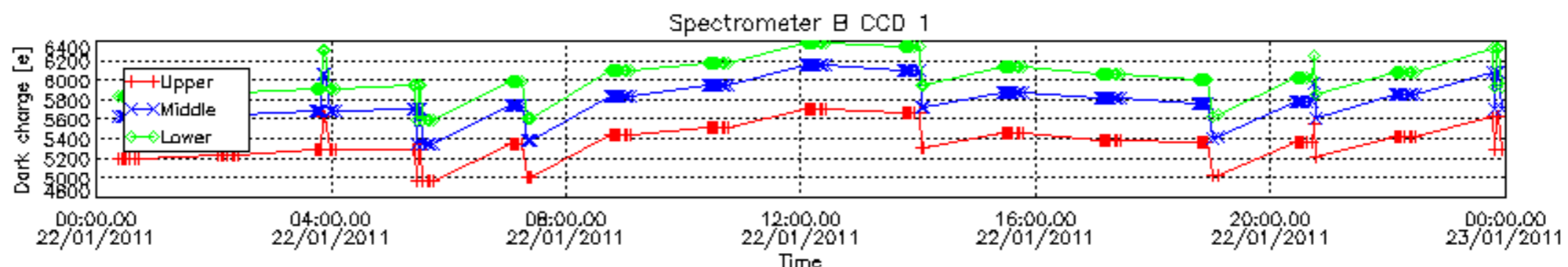
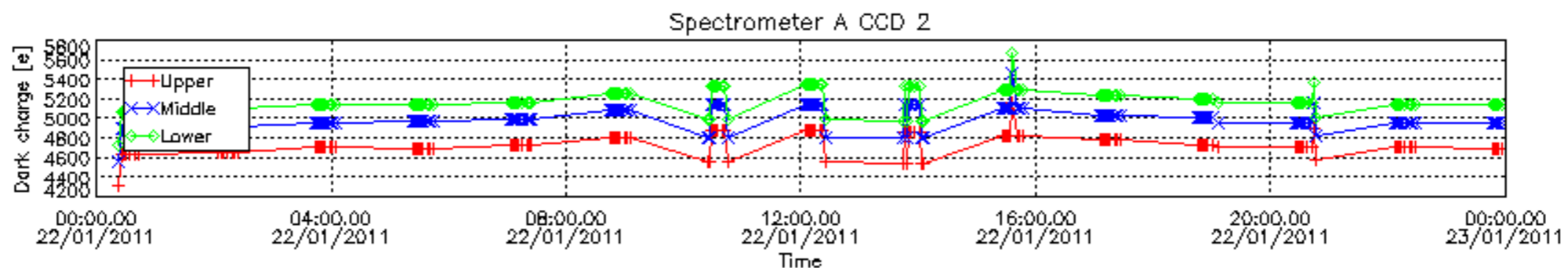
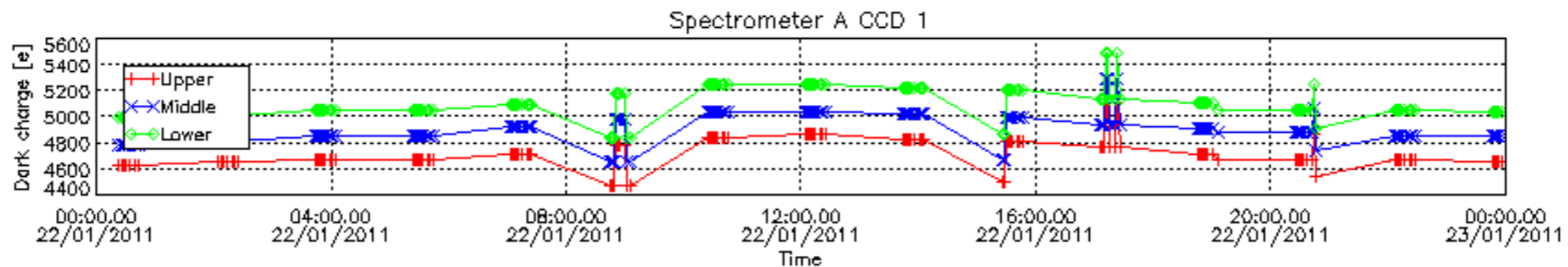
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

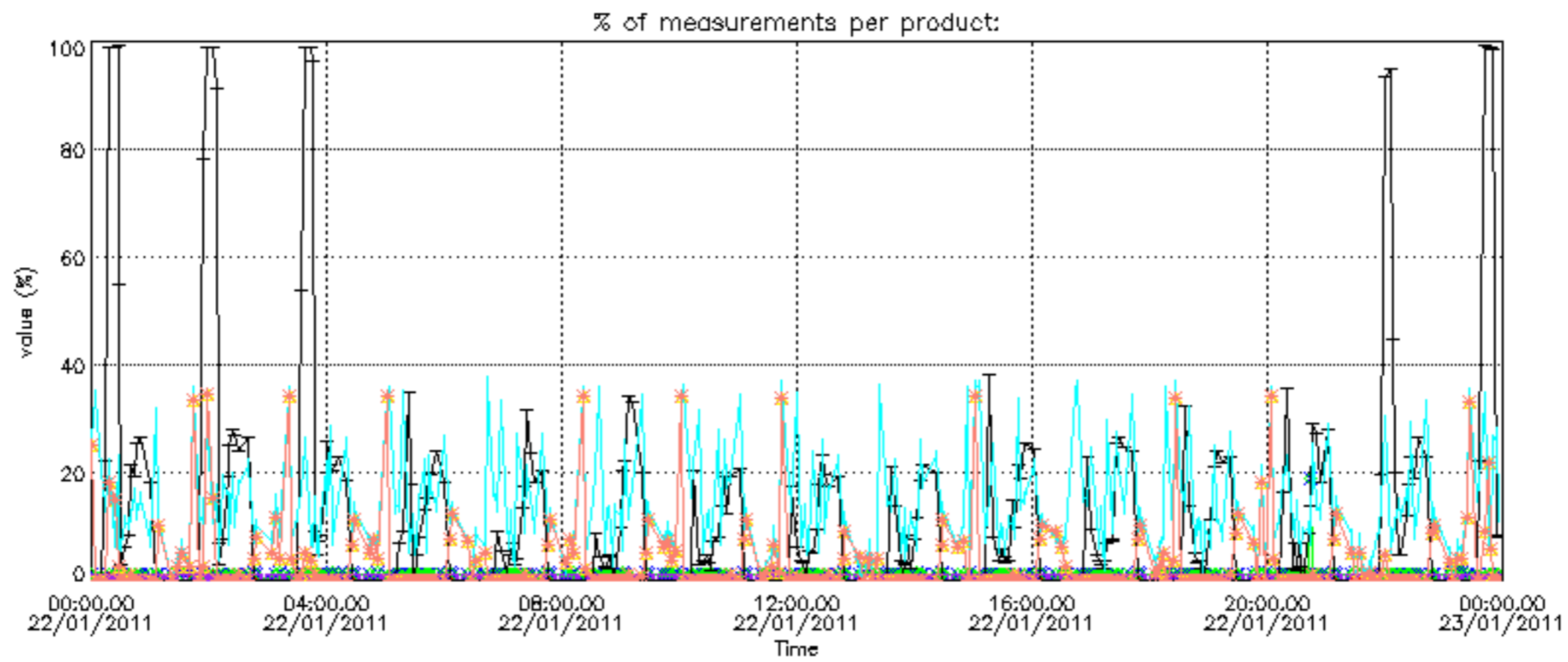
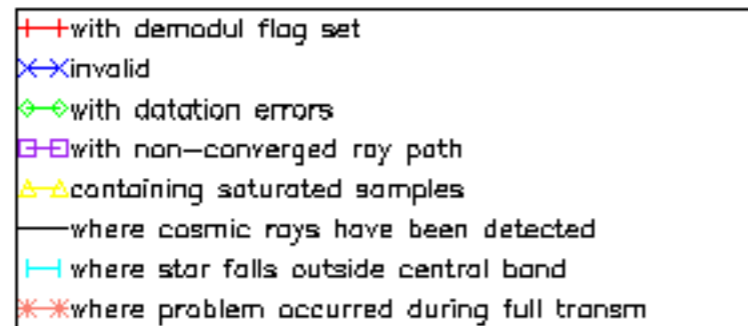
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	22-JAN-2011 00:00:43
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20110118_083541_20110117_000000_20500101_000000	1	22-JAN-2011 00:00:43
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	22-JAN-2011 00:00:43
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	22-JAN-2011 00:00:43
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	22-JAN-2011 00:00:43
ECMWF_FILE	AUX_ECF_AXNECM20110121_052115_20110121_210000_20110122_090000	1	22-JAN-2011 00:00:43
ECMWF_FILE	AUX_ECF_AXNECM20110121_172116_20110122_030000_20110122_150000	41	22-JAN-2011 03:07:31
ECMWF_FILE	AUX_ECA_AXNECM20110122_052113_20110121_210000_20110122_090000	86	22-JAN-2011 06:32:29
ECMWF_FILE	AUX_ECF_AXNECM20110121_172116_20110122_030000_20110122_150000	103	22-JAN-2011 07:40:53
ECMWF_FILE	AUX_ECF_AXNECM20110122_052114_20110122_090000_20110122_210000	125	22-JAN-2011 09:21:07
ECMWF_FILE	AUX_ECF_AXNECM20110122_052114_20110122_150000_20110123_030000	216	22-JAN-2011 15:52:49
ECMWF_FILE	AUX_ECA_AXNECM20110122_172123_20110122_090000_20110122_210000	238	22-JAN-2011 17:28:33
ECMWF_FILE	AUX_ECF_AXNECM20110122_052114_20110122_150000_20110123_030000	282	22-JAN-2011 20:43:20
ECMWF_FILE	AUX_ECF_AXNECM20110122_052114_20110122_210000_20110123_090000	297	22-JAN-2011 22:00:50
OPTIONAL_ECMWF_FILE	MISSING	1	22-JAN-2011 00:00:43
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110121_223244_000057383098_00374_46509_2372.N1	1	22-JAN-2011 00:00:43
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110122_001341_000054193098_00375_46510_2373.N1	5	22-JAN-2011 00:17:41
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110122_014920_000041443098_00376_46511_2374.N1	25	22-JAN-2011 01:53:27
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110122_030343_000057383098_00377_46512_2375.N1	41	22-JAN-2011 03:07:31
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110122_044440_000057383098_00378_46513_2376.N1	64	22-JAN-2011 04:52:15

ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110122_062537_000038253098_00379_46514_3603.N1	86	22-JAN-2011 06:32:29
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110122_073441_000057383098_00380_46515_3604.N1	103	22-JAN-2011 07:40:53
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110122_091538_000057383098_00381_46516_3605.N1	125	22-JAN-2011 09:21:07
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110122_105116_000057383098_00382_46517_3606.N1	148	22-JAN-2011 11:01:21
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110122_123213_000057383098_00383_46518_3607.N1	171	22-JAN-2011 12:41:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110122_141310_000054193098_00384_46519_3608.N1	193	22-JAN-2011 14:12:34
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110122_154849_000054193098_00385_46520_3609.N1	216	22-JAN-2011 15:52:49
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110122_172427_000054193098_00386_46521_3610.N1	238	22-JAN-2011 17:28:33
ORBIT_DATA_FILE	DOR_NAV_OPNPDK20110122_190005_000057383098_00387_46522_3611.N1	259	22-JAN-2011 19:03:06
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20110122_204102_000041443098_00388_46523_2377.N1	282	22-JAN-2011 20:43:20
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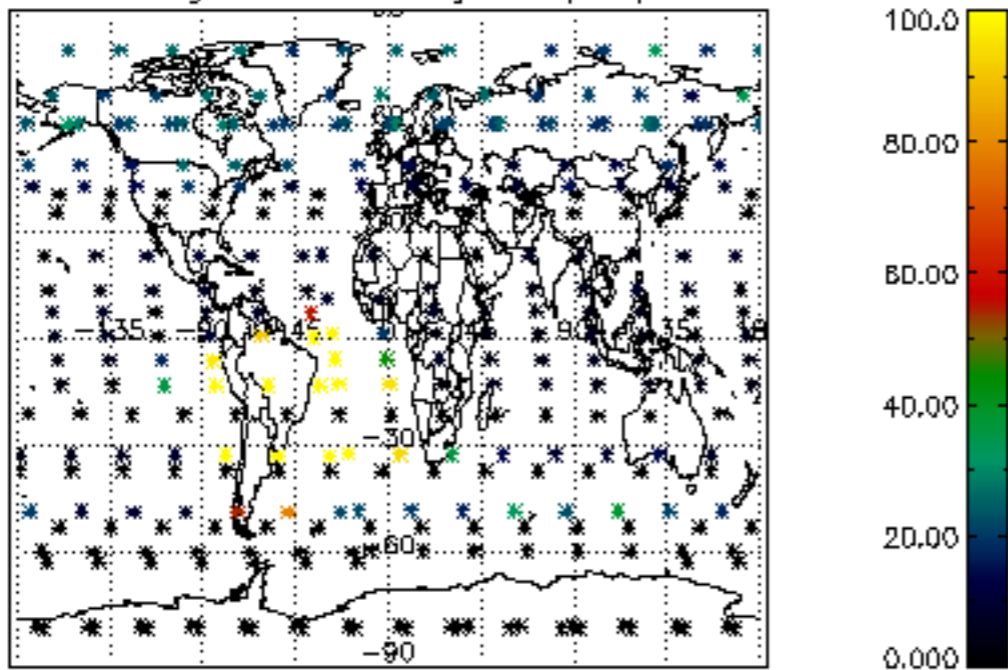




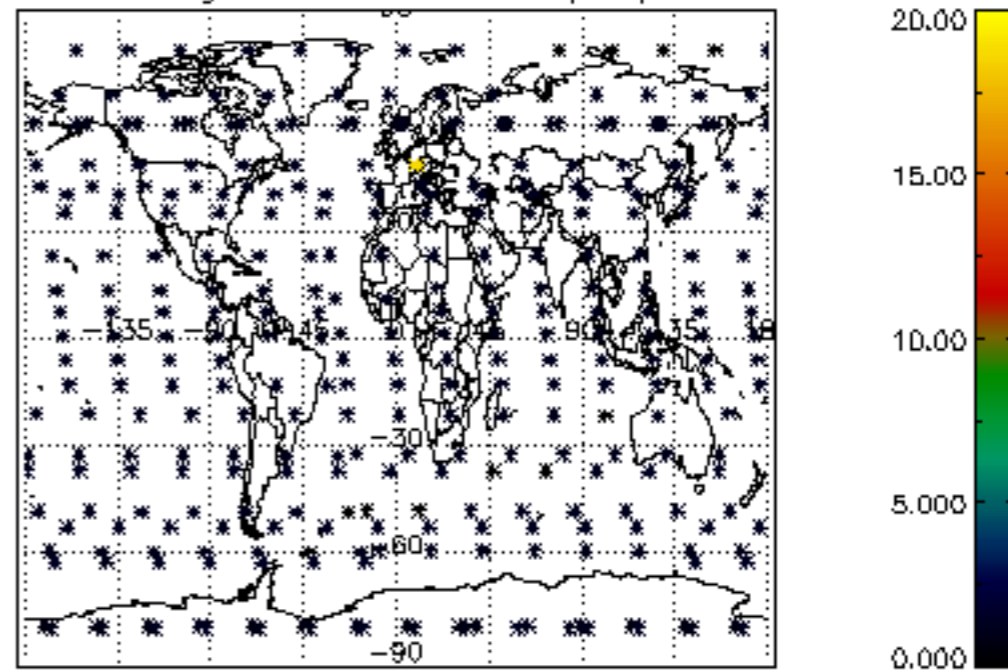




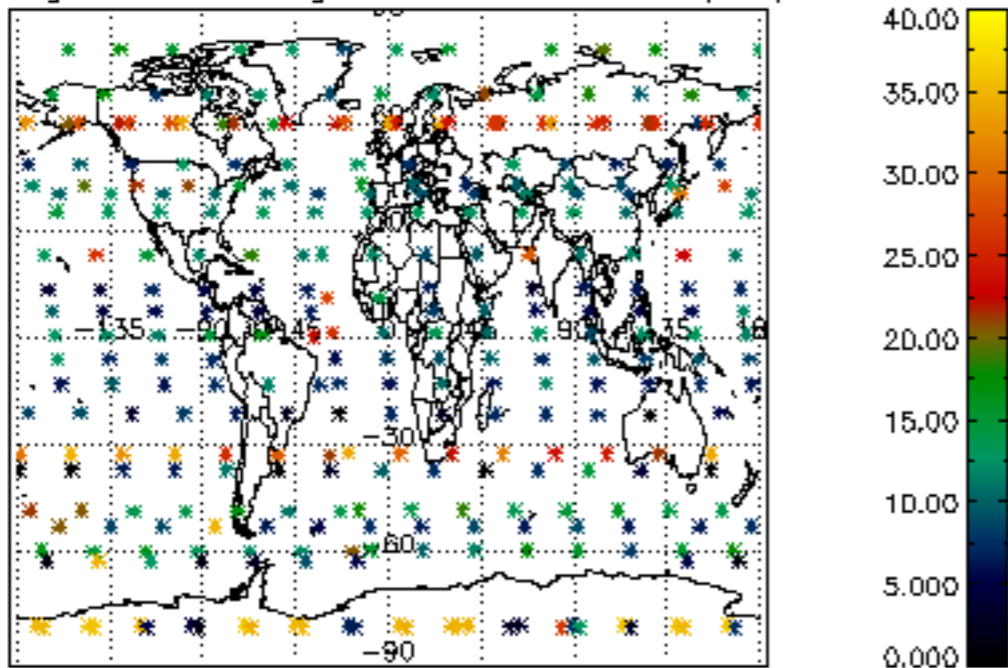
Percentage of cosmic ray hits per profile



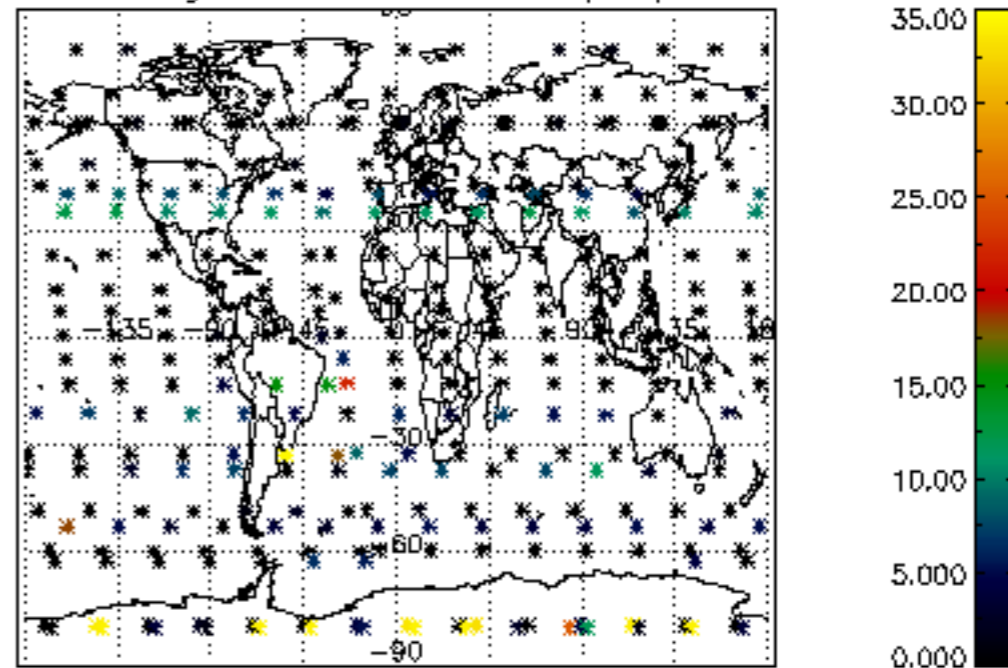
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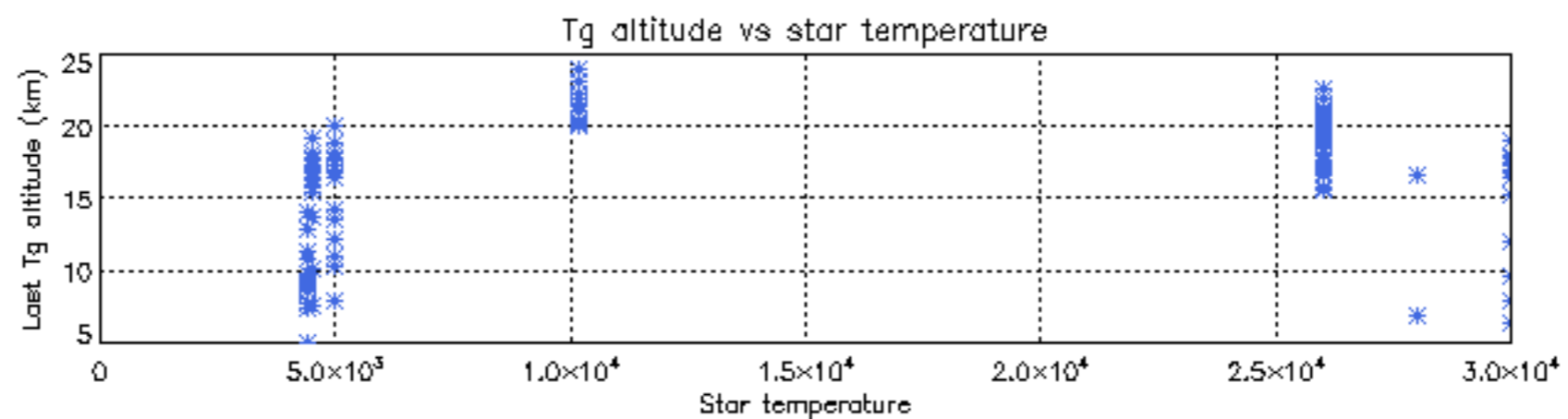
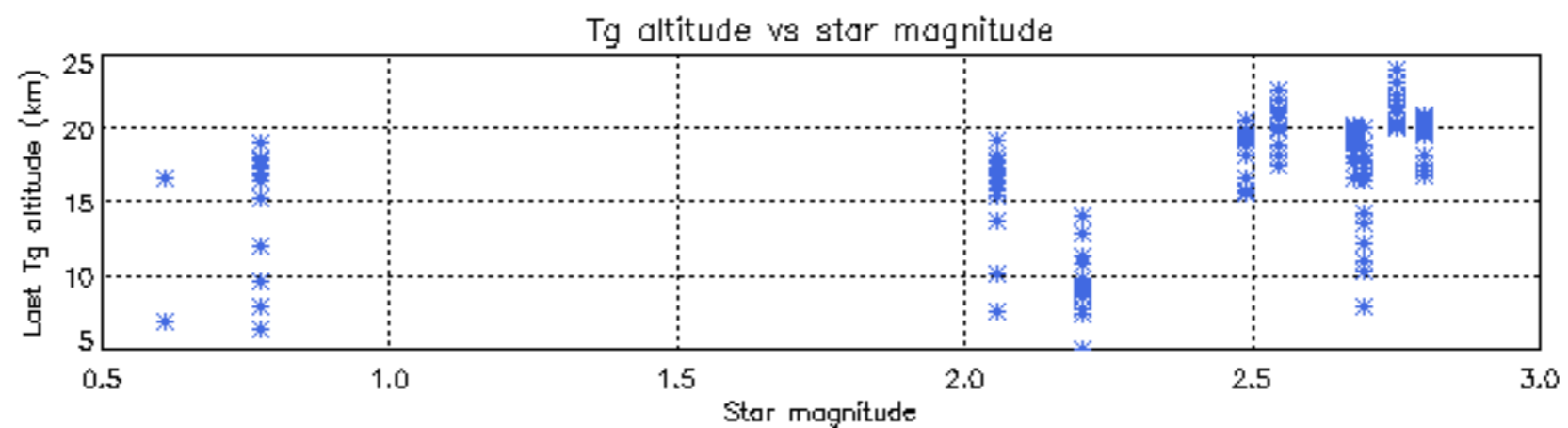
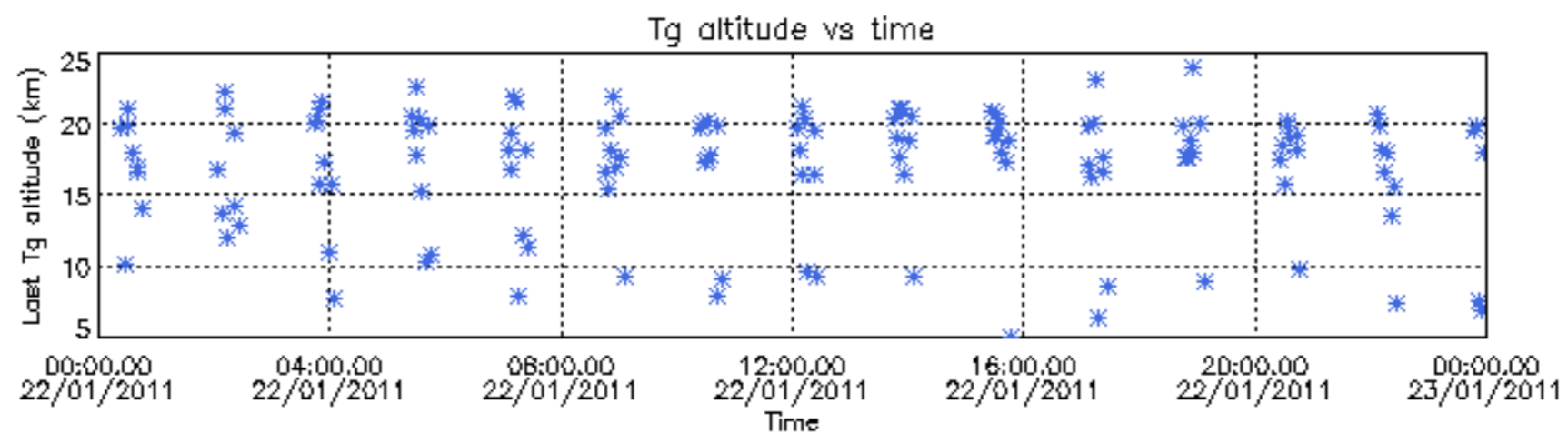
Percentage of star falling outside central band per profile



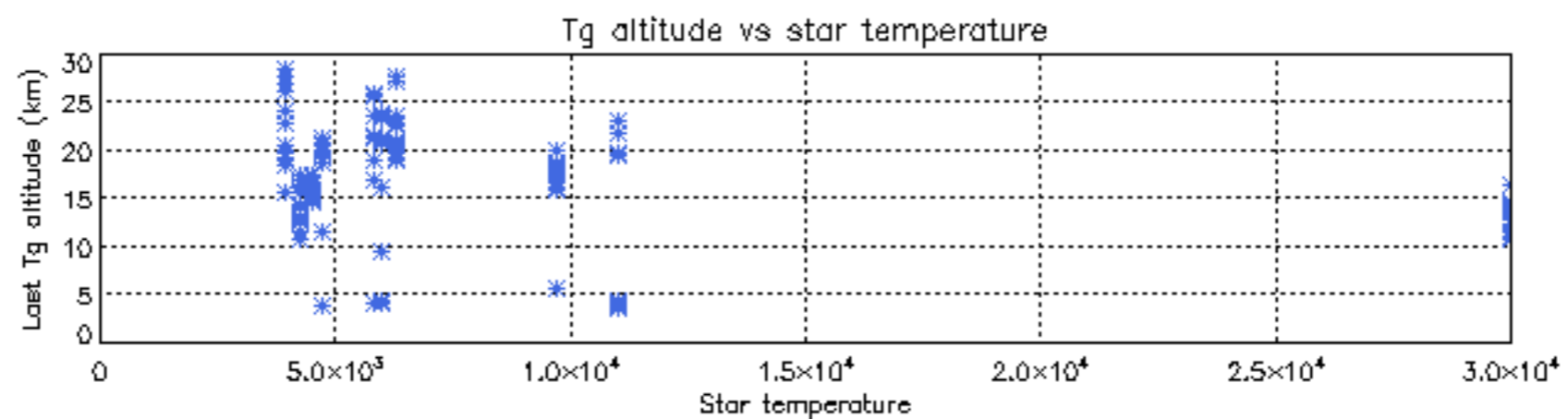
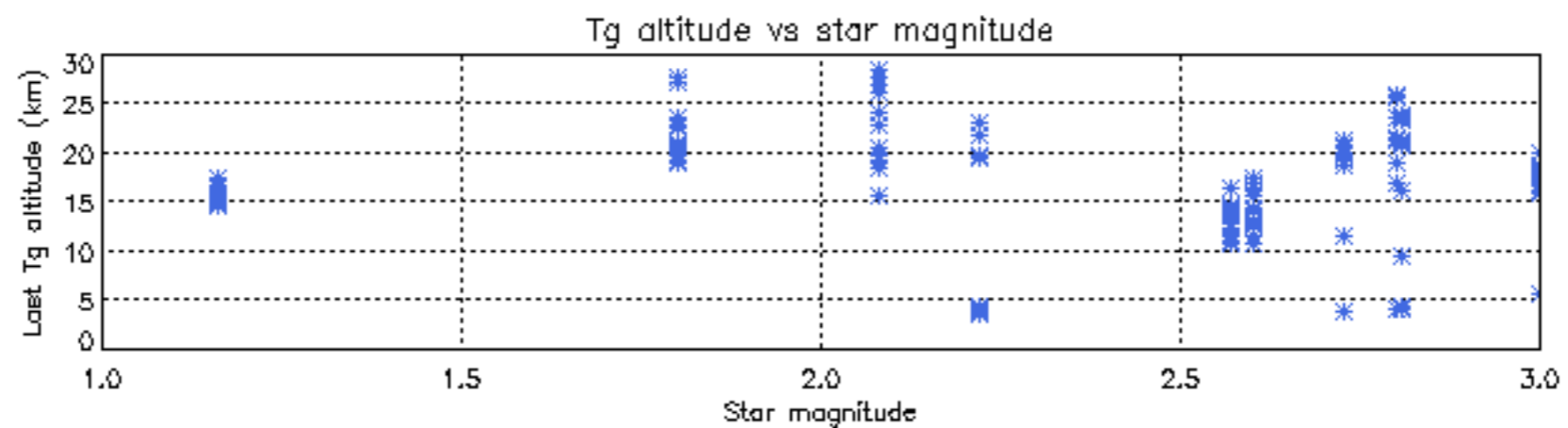
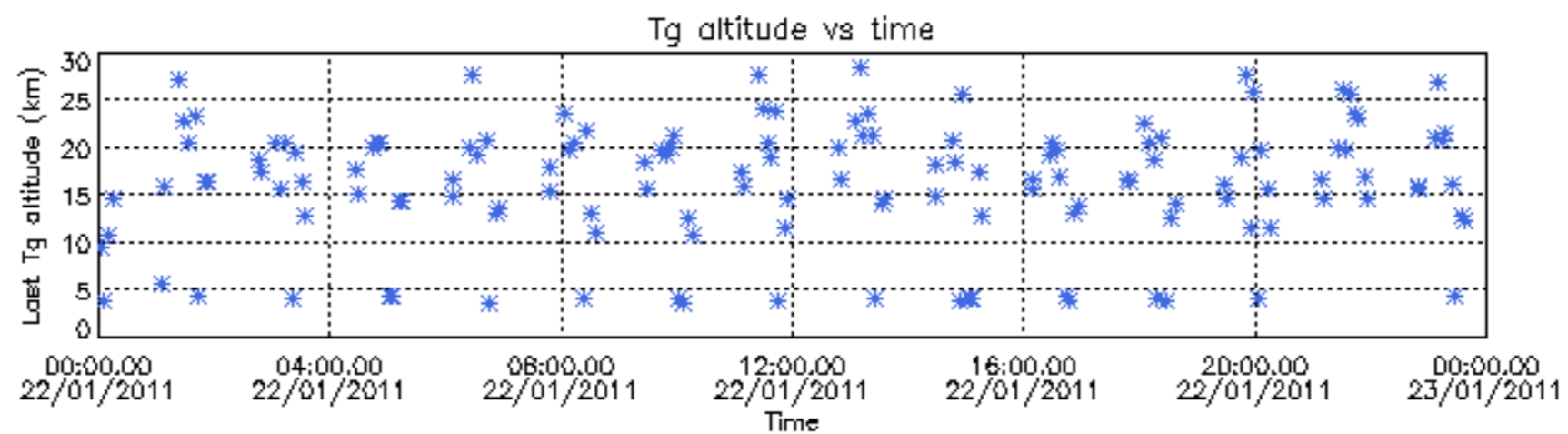
Percentage of saturation errors per profile



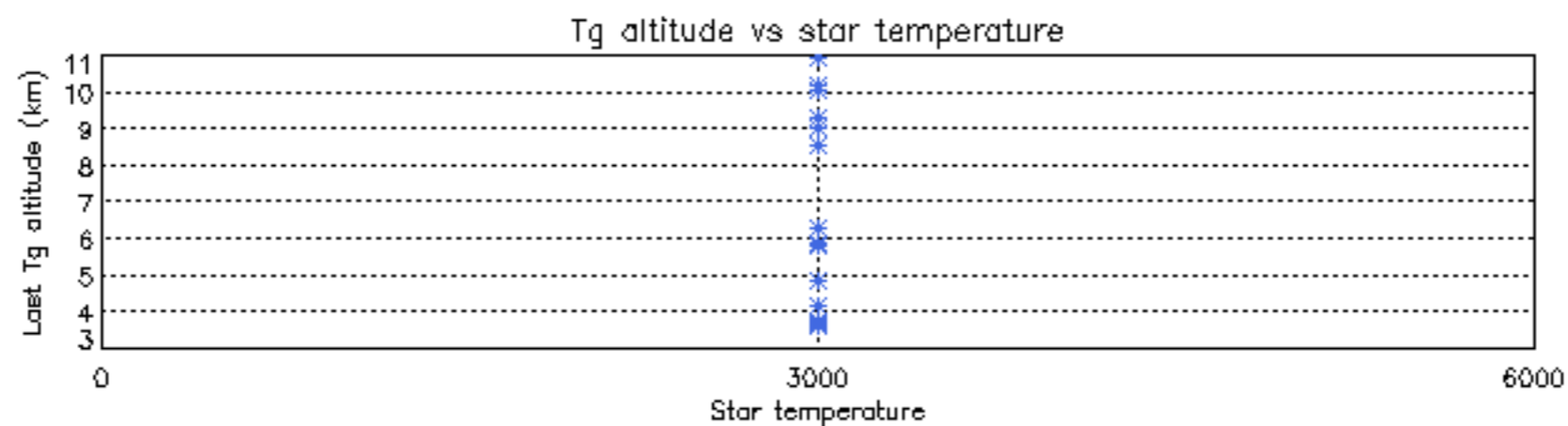
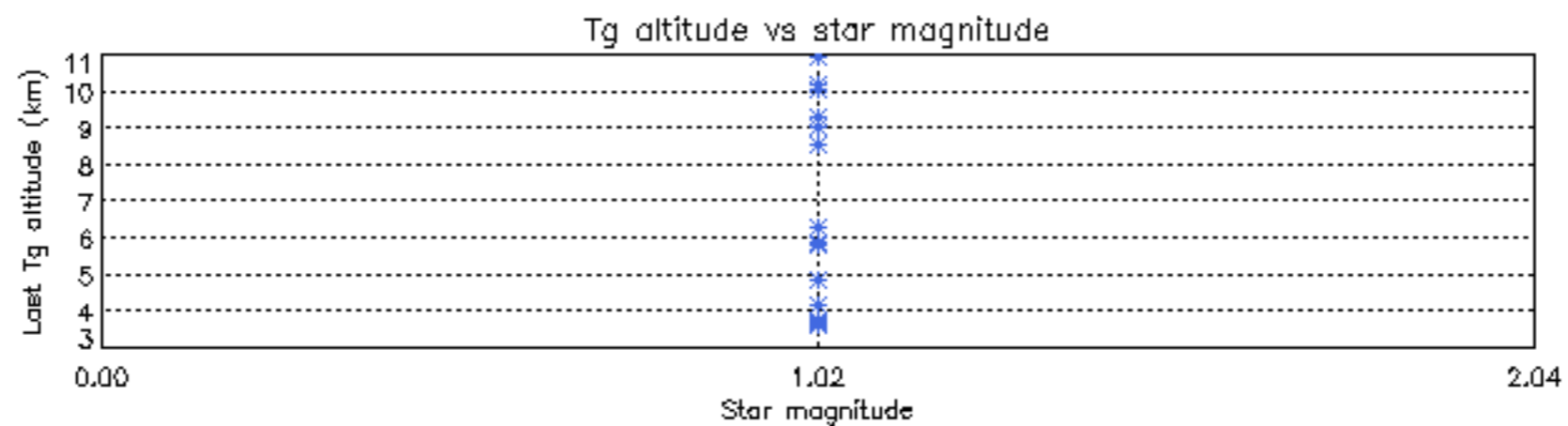
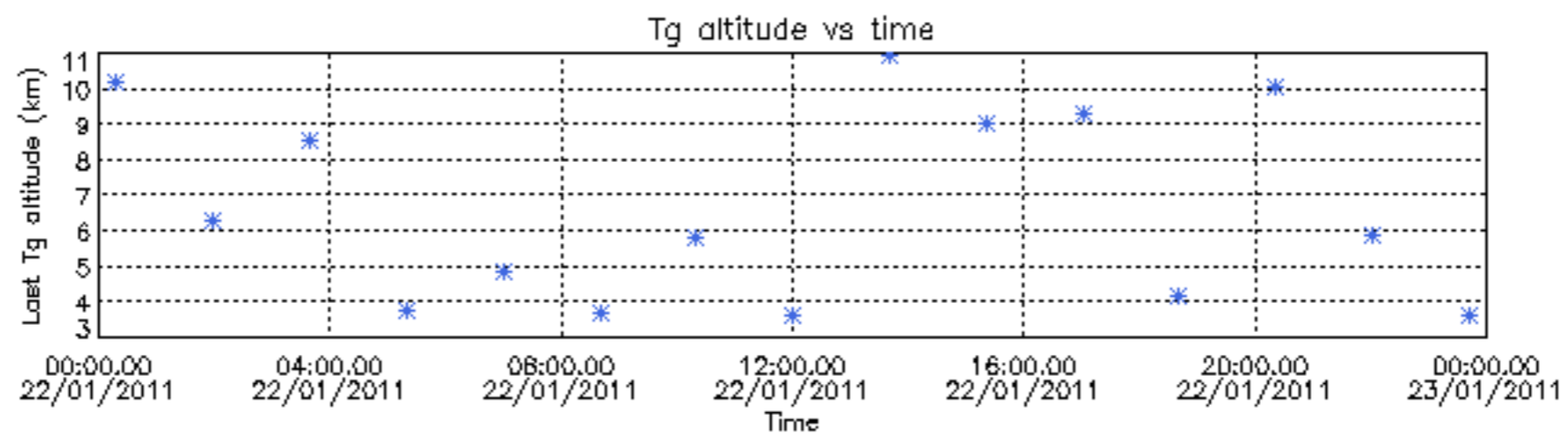
Tangent altitude at which the star is lost

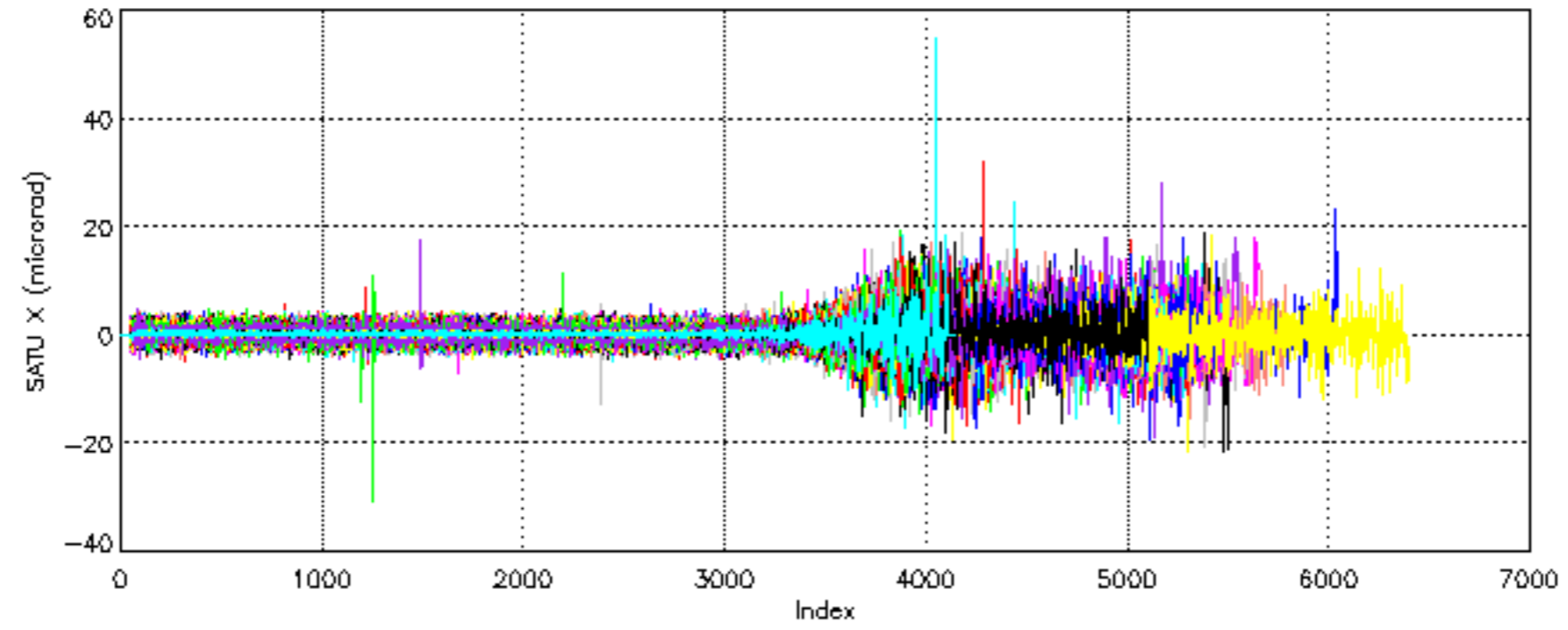


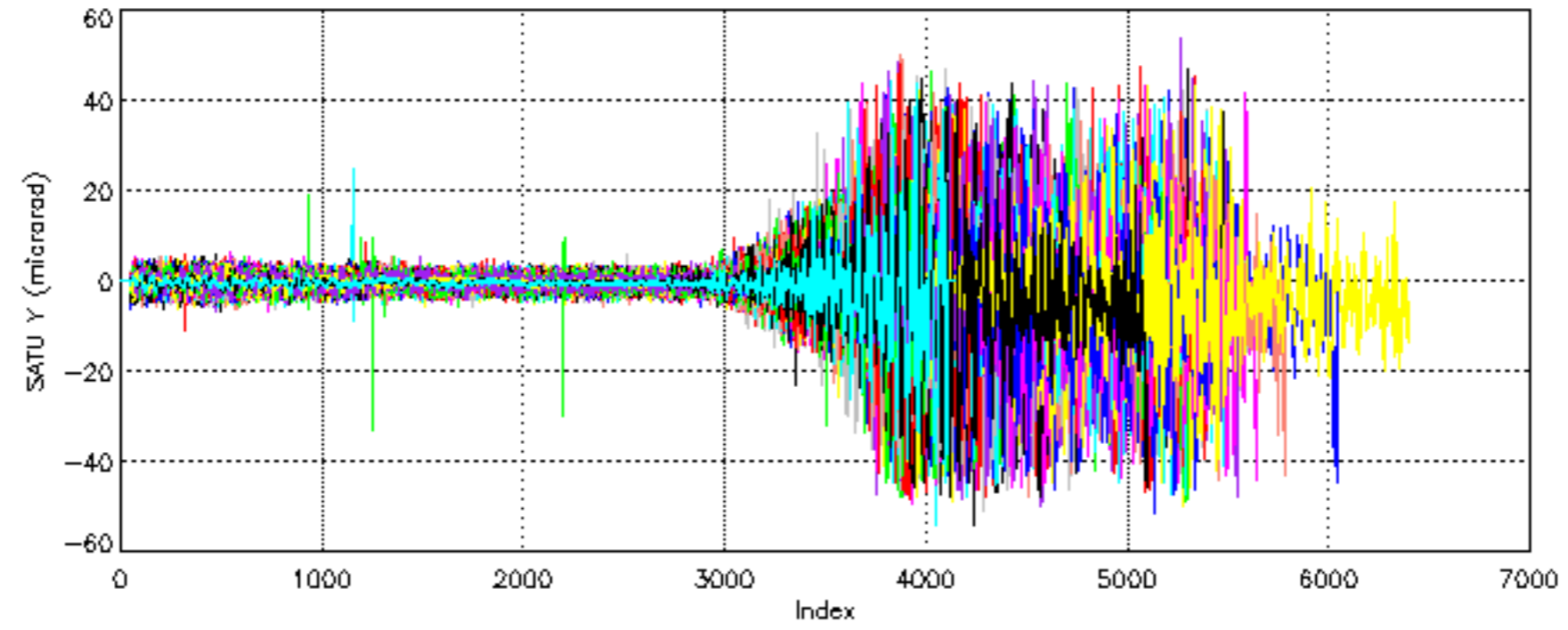
Tangent altitude at which the star is lost

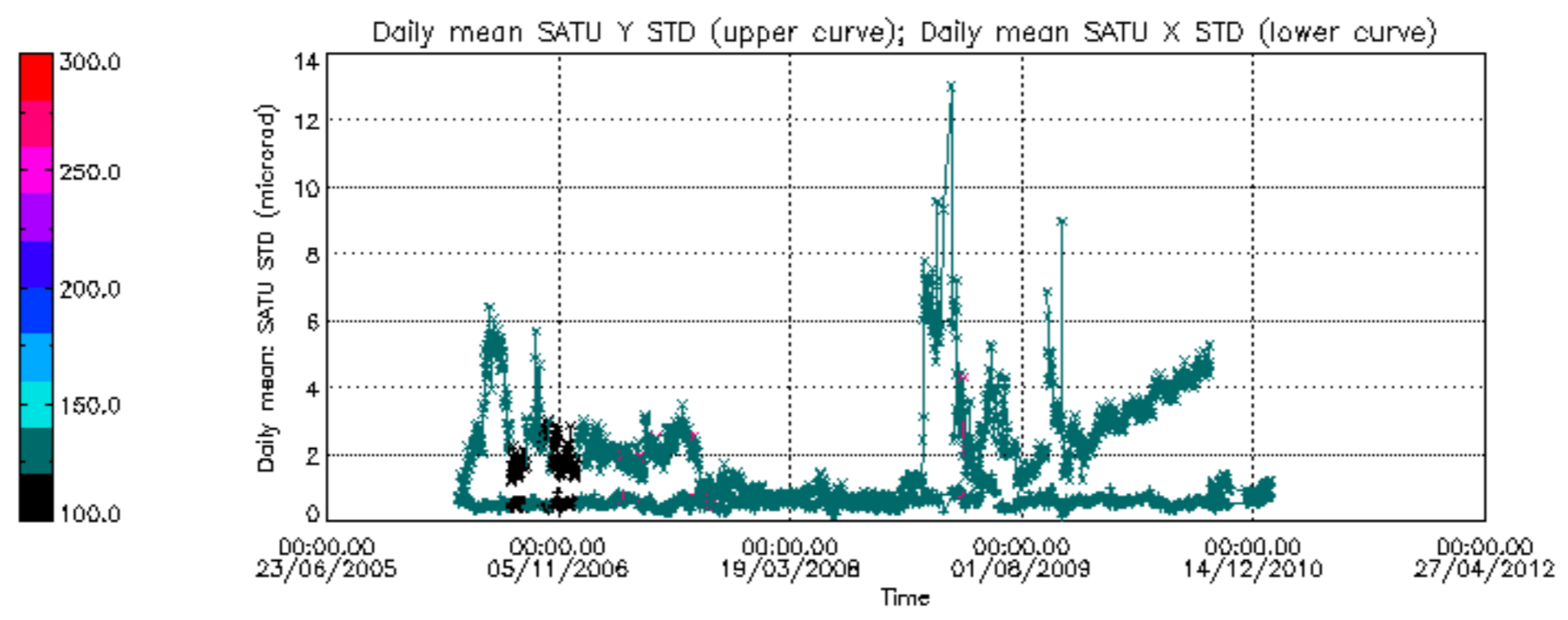


Tangent altitude at which the star is lost









/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20110101_012508_000094163098_00074_46209_2000.N1

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
50;	8565.6;	01-JAN-2011	03:59:18;	Bright;	;	38.5;	107;	37The Aur	;	2.65;	11000;	occ;	77;	0;	46211
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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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
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5;	-1461.7;	01-JAN-2011	04:32:39;	Bright;	;	44.0;	83;		;	2.38;	11000;	occ;	88;	0;	46211
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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
30; 2677.3; 01-JAN-2011 05:41:38; Bright; 41.0; 6; 13Alp Aur ; 0.08; 3400;occ; 82; 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
4; 1333.8; 01-JAN-2011 20:21:21; Dark ; 48.0; 23; 21Eps CMA ; 1.50; 26000;occ; 96; 0;46221
5; 1425.5; 01-JAN-2011 20:22:52; Dark ; 46.0; 179; 240mi2CMA ; 3.03; 24000;occ; 92; 0;46221
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7; 1720.8; 01-JAN-2011 20:27:48; Dark ; 44.0; 56; 53Kap Ori ; 2.07; 30000;occ; 88; 0;46221
8; 1856.3; 01-JAN-2011 20:30:03; Dark ; 44.5; 33; 50Zet Ori ; 1.77; 30000;occ; 89; 0;46221
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
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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
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26; 4084.2; 01-JAN-2011 22:47:25; Bright; 67.0; 39; 85Eta UMa ; 1.85; 24000;occ; 134; 0;46222
27; 4331.3; 01-JAN-2011 22:51:32; Bright; 63.0; 180; 27Gam Boo ; 3.04; 8000;occ; 126; 0;46222
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13; 1334.4; 01-JAN-2011 23:41:49; Dark ; 46.0; 23; 21Eps CMa ; 1.50; 26000;occ; 92; 0;46223
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22; 2676.3; 02-JAN-2011 00:04:11; Bright; 43.5; 6; 13Alp Aur ; 0.08; 3400;occ; 87; 0;46223
23; 3670.4; 02-JAN-2011 00:20:45; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;46223
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26; 4331.4; 02-JAN-2011 00:31:46; Bright; 63.0; 180; 27Gam Boo ; 3.04; 8000;occ; 126; 0;46223
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9; -682.5; 01-JAN-2011 06:25:52; Dark ; 43.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 87; 0;46212
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8; 3671.6; 01-JAN-2011 07:38:26; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;46213
9; 3888.3; 01-JAN-2011 07:42:03; Bright; 48.5; 32; 77Eps UMa ; 1.76; 11000;occ; 97; 0;46213

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14; 4750.1; 01-JAN-2011 11:16:53; Bright; 54.0; 3; 16Alp Boo ;-0.05; 4250;occ; 108; 0;46215

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7; 236.5; 02-JAN-2011 22:46:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46237
8; 494.3; 02-JAN-2011 22:51:05; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;46237
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19; 2304.7; 02-JAN-2011 23:21:16; Bright; 46.5; 151; 13Mu Gem ; 2.89; 3000;occ; 93; 0;46237
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14; 228.2; 02-JAN-2011 07:44:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46228
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16; 633.7; 02-JAN-2011 07:51:18; Dark ; 44.5; 71; Iot Car ; 2.25; 7700;occ; 89; 0;46228
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22; 1427.0; 02-JAN-2011 08:04:32; Dark ; 43.5; 179; 240mi2CMA ; 3.03; 24000;occ; 87; 0;46228
23; 1572.7; 02-JAN-2011 08:06:58; Dark ; 47.5; 1; 9Alp CMA ; -1.44; 11000;occ; 95; 0;46228
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6; 2547.4; 02-JAN-2011 08:23:12; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;46228
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9; 3881.7; 02-JAN-2011 08:45:27; Bright; 48.0; 32; 77Eps UMa ; 1.76; 11000;occ; 96; 0;46228
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23; 6648.2; 02-JAN-2011 09:31:33; Dark ; 47.5; 71; Iot Car ; 2.25; 7700;occ; 95; 0;46229
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26; 7062.9; 02-JAN-2011 09:38:28; Dark ; 47.0; 70; Zet Pup ; 2.25; 39000;occ; 94; 0;46229
27; 7184.4; 02-JAN-2011 09:40:29; Dark ; 48.0; 117; Pi Pup ; 2.71; 3800;occ; 96; 0;46229
28; 7350.0; 02-JAN-2011 09:43:15; Dark ; 46.5; 23; 21Eps CMA ; 1.50; 26000;occ; 93; 0;46229
29; 7441.3; 02-JAN-2011 09:44:46; Dark ; 45.5; 179; 240mi2CMA ; 3.03; 24000;occ; 91; 0;46229
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16; 5341.5; 02-JAN-2011 10:50:00; Dark ; 47.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 94; 0;46229
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23; 6648.5; 02-JAN-2011 11:11:47; Dark ; 48.5; 71; Iot Car ; 2.25; 7700;occ; 97; 0;46230
24; 6762.7; 02-JAN-2011 11:13:42; Dark ; 42.5; 46; Del Vel ; 1.95; 10600;occ; 85; 0;46230
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29; 7441.3; 02-JAN-2011 11:25:00; Dark ; 44.5; 179; 240mi2CMA ; 3.03; 24000;occ; 89; 0;46230
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17; 5920.1; 02-JAN-2011 12:39:53; Dark ; 39.5; 95; Zet Cen ; 2.55; 26000;occ; 79; 0;46230
18; 6023.3; 02-JAN-2011 12:41:36; Dark ; 42.0; 77; Eps Cen ; 2.30; 28000;occ; 84; 0;46231
19; 6133.3; 02-JAN-2011 12:43:26; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;46231

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 4; 2207.9; 02-JAN-2011 13:18:15; Dark ; 48.0; 44; 24Gam Gem ; 1.93; 11000;occ; 96; 0;46231
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 12; 4556.6; 02-JAN-2011 13:57:23; Bright; 45.0; 83; ; 2.38; 11000;occ; 90; 0;46231
 13; 4757.0; 02-JAN-2011 14:00:44; Bright; 55.0; 3; 16Alp Boo ; -0.05; 4250;occ; 110; 0;46231
 14; 4874.8; 02-JAN-2011 14:02:42; Bright; 37.5; 102; 24Alp Ser ; 2.60; 4250;occ; 75; 0;46231
 15; 5181.1; 02-JAN-2011 14:07:48; Bright; 57.0; 104; 27Bet Lib ; 2.61; 13100;occ; 114; 0;46231
 16; 5343.0; 02-JAN-2011 14:10:30; Dark ; 48.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 96; 0;46231
 17; 5757.9; 02-JAN-2011 14:17:25; Dark ; 45.0; 54; 5The Cen ; 2.06; 4500;occ; 90; 0;46231
 18; 5920.8; 02-JAN-2011 14:20:08; Dark ; 40.5; 95; Zet Cen ; 2.55; 26000;occ; 81; 0;46231
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 21; 6245.9; 02-JAN-2011 14:25:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46232
 22; 6504.0; 02-JAN-2011 14:29:51; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;46232
 23; 6649.7; 02-JAN-2011 14:32:16; Dark ; 44.5; 71; Iot Car ; 2.25; 7700;occ; 89; 0;46232
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 25; 6933.7; 02-JAN-2011 14:37:00; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;46232
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 27; 7185.5; 02-JAN-2011 14:41:12; Dark ; 48.5; 117; Pi Pup ; 2.71; 3800;occ; 97; 0;46232
 28; 7350.9; 02-JAN-2011 14:43:58; Dark ; 47.0; 23; 21Eps CMA ; 1.50; 26000;occ; 94; 0;46232

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20110102_144433_000058623098_00097_46232_3073.N1

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 11; 4082.0; 02-JAN-2011 15:29:43; Bright; 45.0; 39; 85Eta UMa ; 1.85; 24000;occ; 90; 0;46232
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 13; 4556.9; 02-JAN-2011 15:37:38; Bright; 44.5; 83; ; 2.38; 11000;occ; 89; 0;46232
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 15; 4875.1; 02-JAN-2011 15:42:56; Bright; 50.5; 102; 24Alp Ser ; 2.60; 4250;occ; 101; 0;46232
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 18; 5758.7; 02-JAN-2011 15:57:39; Dark ; 44.5; 54; 5The Cen ; 2.06; 4500;occ; 89; 0;46232
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 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
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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20110103_001158_000058843098_00102_46237_2012.N1

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 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
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 9; 752.9; 03-JAN-2011 00:35:38; Dark ; 45.0; 46; Del Vel ; 1.95; 10600;occ; 90; 0;46238
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 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
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 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

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20110103_014929_000035443098_00103_46238_2013.N1

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 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

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20110103_030428_000060513098_00104_46239_2014.N1

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 3; -1933.7; 03-JAN-2011 03:11:19; Bright; 61.0; 39; 85Eta UMa ; 1.85; 24000;occ; 122; 0;46239
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 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
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 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
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 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
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 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
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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20110103_044457_000060373098_00105_46240_2015.N1

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 4; -1682.2; 03-JAN-2011 04:55:45; Bright; 64.0; 180; 27Gam Boo ; 3.04; 8000;occ; 128; 0;46240
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 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
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 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
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 29; 3668.7; 03-JAN-2011 06:24:56; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;46241

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20110103_204158_000042613098_00115_46250_2016.N1

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 5; 1431.9; 03-JAN-2011 20:49:45; Dark ; 44.0; 179; 240mi2CMa ; 3.03; 24000;occ; 88; 0;46250
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 10; -237.8; 04-JAN-2011 06:23:20; Dark ; 45.5; 54; 5The Cen ; 2.06; 4500;occ; 91; 0;46255
 11; -77.9; 04-JAN-2011 06:26:00; Dark ; 41.5; 95; Zet Cen ; 2.55; 26000;occ; 83; 0;46255
 12; 24.0; 04-JAN-2011 06:27:41; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;46256
 13; 140.2; 04-JAN-2011 06:29:38; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;46256
 14; 254.3; 04-JAN-2011 06:31:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46256
 15; 511.2; 04-JAN-2011 06:35:49; Dark ; 48.5; 113; Mu Vel ; 2.69; 5000;occ; 97; 0;46256
 16; 648.3; 04-JAN-2011 06:38:06; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;46256
 17; 762.4; 04-JAN-2011 06:40:00; Dark ; 42.0; 46; Del Vel ; 1.95; 10600;occ; 84; 0;46256
 18; 931.6; 04-JAN-2011 06:42:49; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;46256
 19; 1061.8; 04-JAN-2011 06:44:59; Dark ; 47.5; 70; Zet Pup ; 2.25; 39000;occ; 95; 0;46256
 20; 1179.7; 04-JAN-2011 06:46:57; Dark ; 45.0; 117; Pi Pup ; 2.71; 3800;occ; 90; 0;46256
 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

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20110104_200445_000042623098_00129_46264_2022.N1

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 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

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20110104_211547_000060643098_00129_46264_2023.N1

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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

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20110104_073147_000037703098_00121_46256_3087.N1

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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

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20110104_083348_000060693098_00122_46257_3088.N1

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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

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20110104_101402_000060633098_00123_46258_3089.N1

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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

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20110104_115427_000059013098_00124_46259_3090.N1

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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
 22; 6778.3; 04-JAN-2011 13:20:58; Dark ; 41.0; 46; Del Vel ; 1.95; 10600;occ; 82; 0;46260
 23; 6947.4; 04-JAN-2011 13:23:47; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;46260
 24; 7077.7; 04-JAN-2011 13:25:57; Dark ; 46.5; 70; Zet Pup ; 2.25; 39000;occ; 93; 0;46260
 25; 7195.1; 04-JAN-2011 13:27:54; Dark ; 48.0; 117; Pi Pup ; 2.71; 3800;occ; 96; 0;46260
 26; 7358.2; 04-JAN-2011 13:30:38; Dark ; 45.0; 23; 21Eps CMA ; 1.50; 26000;occ; 90; 0;46260
 27; 7448.2; 04-JAN-2011 13:32:08; Dark ; 41.0; 179; 240mi2CMA ; 3.03; 24000;occ; 82; 0;46260

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20110104_133219_000059483098_00125_46260_3091.N1

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 2; 1576.9; 04-JAN-2011 13:34:30; Dark ; 55.0; 1; 9Alp CMA ;-1.44; 11000;occ; 110; 0;46260
 3; 2018.5; 04-JAN-2011 13:41:52; Dark ; 54.0; 14; 58Alp Ori ; 0.87; 3000;occ; 108; 0;46260
 4; 2199.7; 04-JAN-2011 13:44:53; Dark ; 48.5; 44; 24Gam Gem ; 1.93; 11000;occ; 97; 0;46260
 5; 2299.0; 04-JAN-2011 13:46:32; Bright; 50.0; 151; 13Mu Gem ; 2.89; 3000;occ; 100; 0;46260
 6; 2541.0; 04-JAN-2011 13:50:34; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;46260
 7; 2673.7; 04-JAN-2011 13:52:47; Bright; 38.0; 42; 34Bet Aur ; 1.90; 10200;occ; 76; 0;46260
 8; 3666.5; 04-JAN-2011 14:09:20; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;46260
 9; 3932.4; 04-JAN-2011 14:13:46; Bright; 48.0; 55; 79Zet UMa ; 2.06; 10200;occ; 96; 0;46260
 10; 4075.3; 04-JAN-2011 14:16:09; Bright; 52.5; 39; 85Eta UMa ; 1.85; 24000;occ; 105; 0;46260
 11; 4332.3; 04-JAN-2011 14:20:26; Bright; 65.0; 180; 27Gam Boo ; 3.04; 8000;occ; 130; 0;46260
 12; 4563.1; 04-JAN-2011 14:24:16; Bright; 44.5; 83; ; 2.38; 11000;occ; 89; 0;46260
 13; 4884.3; 04-JAN-2011 14:29:38; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;46260
 14; 5195.6; 04-JAN-2011 14:34:49; Bright; 55.0; 104; 27Bet Lib ; 2.61; 13100;occ; 110; 0;46260
 15; 5362.0; 04-JAN-2011 14:37:35; Dark ; 46.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 93; 0;46260
 16; 5780.2; 04-JAN-2011 14:44:34; Dark ; 57.0; 54; 5The Cen ; 2.06; 4500;occ; 114; 0;46260
 17; 5939.5; 04-JAN-2011 14:47:13; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;46260
 18; 6041.1; 04-JAN-2011 14:48:54; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;46261
 19; 6158.5; 04-JAN-2011 14:50:52; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;46261
 20; 6273.0; 04-JAN-2011 14:52:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46261
 21; 6529.5; 04-JAN-2011 14:57:03; Dark ; 49.0; 113; Mu Vel ; 2.69; 5000;occ; 98; 0;46261
 22; 6664.9; 04-JAN-2011 14:59:18; Dark ; 43.0; 71; Iot Car ; 2.25; 7700;occ; 86; 0;46261
 23; 6779.0; 04-JAN-2011 15:01:12; Dark ; 44.0; 46; Del Vel ; 1.95; 10600;occ; 88; 0;46261
 24; 6947.9; 04-JAN-2011 15:04:01; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;46261
 25; 7078.4; 04-JAN-2011 15:06:12; Dark ; 46.5; 70; Zet Pup ; 2.25; 39000;occ; 93; 0;46261
 26; 7195.5; 04-JAN-2011 15:08:09; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;46261
 27; 7358.4; 04-JAN-2011 15:10:52; Dark ; 35.5; 23; 21Eps CMA ; 1.50; 26000;occ; 71; 0;46261

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20110104_164823_000059403098_00127_46262_3093.N1

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 2; 1344.6; 04-JAN-2011 16:51:06; Dark ; 46.0; 23; 21Eps CMA ; 1.50; 26000;occ; 92; 0;46262
 3; 1434.4; 04-JAN-2011 16:52:36; Dark ; 45.5; 179; 240mi2CMA ; 3.03; 24000;occ; 91; 0;46262
 4; 1577.2; 04-JAN-2011 16:54:59; Dark ; 53.5; 1; 9Alp CMA ;-1.44; 11000;occ; 107; 0;46262
 5; 2018.3; 04-JAN-2011 17:02:20; Dark ; 54.0; 14; 58Alp Ori ; 0.87; 3000;occ; 108; 0;46262
 6; 2199.3; 04-JAN-2011 17:05:21; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;46262
 7; 2298.6; 04-JAN-2011 17:07:00; Bright; 45.0; 151; 13Mu Gem ; 2.89; 3000;occ; 90; 0;46262
 8; 2540.6; 04-JAN-2011 17:11:02; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;46262
 9; 2673.5; 04-JAN-2011 17:13:15; Bright; 38.0; 42; 34Bet Aur ; 1.90; 10200;occ; 76; 0;46262
 10; 3666.1; 04-JAN-2011 17:29:48; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;46262
 11; 3931.7; 04-JAN-2011 17:34:13; Bright; 46.0; 55; 79Zet UMa ; 2.06; 10200;occ; 92; 0;46262
 12; 4074.9; 04-JAN-2011 17:36:36; Bright; 45.5; 39; 85Eta UMa ; 1.85; 24000;occ; 91; 0;46262
 13; 4332.3; 04-JAN-2011 17:40:54; Bright; 43.0; 180; 27Gam Boo ; 3.04; 8000;occ; 86; 0;46262
 14; 4563.4; 04-JAN-2011 17:44:45; Bright; 65.0; 83; ; 2.38; 11000;occ; 130; 0;46262
 15; 4885.0; 04-JAN-2011 17:50:06; Bright; 38.0; 102; 24Alp Ser ; 2.60; 4250;occ; 76; 0;46262
 16; 5196.5; 04-JAN-2011 17:55:18; Bright; 57.0; 104; 27Bet Lib ; 2.61; 13100;occ; 114; 0;46262
 17; 5363.3; 04-JAN-2011 17:58:05; Dark ; 46.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 93; 0;46262
 18; 5781.8; 04-JAN-2011 18:05:03; Dark ; 46.0; 54; 5The Cen ; 2.06; 4500;occ; 92; 0;46262
 19; 5940.9; 04-JAN-2011 18:07:42; Dark ; 40.0; 95; Zet Cen ; 2.55; 26000;occ; 80; 0;46262
 20; 6042.3; 04-JAN-2011 18:09:24; Dark ; 39.5; 77; Eps Cen ; 2.30; 28000;occ; 79; 0;46263
 21; 6160.1; 04-JAN-2011 18:11:21; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;46263
 22; 6275.0; 04-JAN-2011 18:13:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46263


```

23; 6531.1; 04-JAN-2011 18:17:33; Dark ; 48.5; 113; Mu Vel ; 2.69; 5000;occ; 97; 0;46263
24; 6666.2; 04-JAN-2011 18:19:48; Dark ; 45.0; 71; Iot Car ; 2.25; 7700;occ; 90; 0;46263
25; 6779.9; 04-JAN-2011 18:21:41; Dark ; 45.5; 46; Del Vel ; 1.95; 10600;occ; 91; 0;46263
26; 6948.9; 04-JAN-2011 18:24:30; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;46263
27; 7079.3; 04-JAN-2011 18:26:41; Dark ; 43.0; 70; Zet Pup ; 2.25; 39000;occ; 86; 0;46263
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20110104_182649_000059223098_00128_46263_3094.N1
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 2; 1182.1; 04-JAN-2011 18:28:38; Dark ; 52.5; 117; Pi Pup ; 2.71; 3800;occ; 105; 0;46263
 3; 1344.9; 04-JAN-2011 18:31:20; Dark ; 47.0; 23; 21Eps CMa ; 1.50; 26000;occ; 94; 0;46263
 4; 1434.4; 04-JAN-2011 18:32:50; Dark ; 42.0; 179; 240mi2CMa ; 3.03; 24000;occ; 84; 0;46263
 5; 1577.2; 04-JAN-2011 18:35:13; Dark ; 54.5; 1; 9Alp CMa ; -1.44; 11000;occ; 109; 0;46263
 6; 2018.1; 04-JAN-2011 18:42:34; Dark ; 49.0; 14; 58Alp Ori ; 0.87; 3000;occ; 98; 0;46263
 7; 2198.8; 04-JAN-2011 18:45:34; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;46263
 8; 2298.3; 04-JAN-2011 18:47:14; Bright; 41.5; 151; 13Mu Gem ; 2.89; 3000;occ; 83; 0;46263
 9; 2540.2; 04-JAN-2011 18:51:16; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;46263
10; 2673.1; 04-JAN-2011 18:53:29; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;46263
11; 3665.9; 04-JAN-2011 19:10:01; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;46263
12; 3931.3; 04-JAN-2011 19:14:27; Bright; 63.0; 55; 79Zet UMa ; 2.06; 10200;occ; 126; 0;46263
13; 4074.5; 04-JAN-2011 19:16:50; Bright; 49.0; 39; 85Eta UMa ; 1.85; 24000;occ; 98; 0;46263
14; 4332.3; 04-JAN-2011 19:21:08; Bright; 65.0; 180; 27Gam Boo ; 3.04; 8000;occ; 130; 0;46263
15; 4563.6; 04-JAN-2011 19:24:59; Bright; 45.0; 83; ; 2.38; 11000;occ; 90; 0;46263
16; 4885.2; 04-JAN-2011 19:30:21; Bright; 37.5; 102; 24Alp Ser ; 2.60; 4250;occ; 75; 0;46263
17; 5197.1; 04-JAN-2011 19:35:33; Bright; 46.0; 104; 27Bet Lib ; 2.61; 13100;occ; 92; 0;46263
18; 5364.0; 04-JAN-2011 19:38:20; Dark ; 46.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 93; 0;46263
19; 5782.6; 04-JAN-2011 19:45:18; Dark ; 48.5; 54; 5The Cen ; 2.06; 4500;occ; 97; 0;46263
20; 5941.4; 04-JAN-2011 19:47:57; Dark ; 40.5; 95; Zet Cen ; 2.55; 26000;occ; 81; 0;46263
21; 6042.8; 04-JAN-2011 19:49:38; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;46264
22; 6160.9; 04-JAN-2011 19:51:36; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;46264
23; 6275.9; 04-JAN-2011 19:53:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46264
24; 6531.9; 04-JAN-2011 19:57:47; Dark ; 49.0; 113; Mu Vel ; 2.69; 5000;occ; 98; 0;46264
25; 6666.6; 04-JAN-2011 20:00:02; Dark ; 45.0; 71; Iot Car ; 2.25; 7700;occ; 90; 0;46264
26; 6780.4; 04-JAN-2011 20:01:56; Dark ; 42.5; 46; Del Vel ; 1.95; 10600;occ; 85; 0;46264
27; 6949.2; 04-JAN-2011 20:04:45; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;46264
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 2; -229.1; 05-JAN-2011 00:46:02; Dark ; 51.0; 54; 5The Cen ; 2.06; 4500;occ; 102; 0;46266
 3; -70.7; 05-JAN-2011 00:48:41; Dark ; 42.5; 95; Zet Cen ; 2.55; 26000;occ; 85; 0;46266
 4; 30.4; 05-JAN-2011 00:50:22; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;46267
 5; 149.2; 05-JAN-2011 00:52:21; Dark ; 44.0; 64; Gam Cen ; 2.20; 10600;occ; 88; 0;46267
 6; 264.6; 05-JAN-2011 00:54:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46267
 7; 520.4; 05-JAN-2011 00:58:32; Dark ; 48.5; 113; Mu Vel ; 2.69; 5000;occ; 97; 0;46267
 8; 654.0; 05-JAN-2011 01:00:45; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;46267
 9; 767.7; 05-JAN-2011 01:02:39; Dark ; 47.0; 46; Del Vel ; 1.95; 10600;occ; 94; 0;46267
10; 936.3; 05-JAN-2011 01:05:28; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;46267
11; 1066.8; 05-JAN-2011 01:07:38; Dark ; 47.5; 70; Zet Pup ; 2.25; 39000;occ; 95; 0;46267
12; 1183.2; 05-JAN-2011 01:09:35; Dark ; 47.5; 117; Pi Pup ; 2.71; 3800;occ; 95; 0;46267
13; 1345.6; 05-JAN-2011 01:12:17; Dark ; 44.0; 23; 21Eps CMa ; 1.50; 26000;occ; 88; 0;46267
14; 1435.2; 05-JAN-2011 01:13:47; Dark ; 42.5; 179; 240mi2CMa ; 3.03; 24000;occ; 85; 0;46267
15; 1577.5; 05-JAN-2011 01:16:09; Dark ; 46.5; 1; 9Alp CMa ; -1.44; 11000;occ; 93; 0;46267
16; 2017.9; 05-JAN-2011 01:23:29; Dark ; 54.0; 14; 58Alp Ori ; 0.87; 3000;occ; 108; 0;46267
17; 2197.7; 05-JAN-2011 01:26:29; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;46267
18; 2297.3; 05-JAN-2011 01:28:09; Bright; 50.0; 151; 13Mu Gem ; 2.89; 3000;occ; 100; 0;46267
19; 2539.5; 05-JAN-2011 01:32:11; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;46267
20; 2672.4; 05-JAN-2011 01:34:24; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;46267
21; 3665.3; 05-JAN-2011 01:50:57; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;46267
22; 3929.6; 05-JAN-2011 01:55:21; Bright; 47.5; 55; 79Zet UMa ; 2.06; 10200;occ; 95; 0;46267
23; 4073.5; 05-JAN-2011 01:57:45; Bright; 45.5; 39; 85Eta UMa ; 1.85; 24000;occ; 91; 0;46267
24; 4332.3; 05-JAN-2011 02:02:04; Bright; 43.0; 180; 27Gam Boo ; 3.04; 8000;occ; 86; 0;46267
25; 4564.3; 05-JAN-2011 02:05:56; Bright; 66.0; 83; ; 2.38; 11000;occ; 132; 0;46267
26; 4886.5; 05-JAN-2011 02:11:18; Bright; 36.5; 102; 24Alp Ser ; 2.60; 4250;occ; 73; 0;46267
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 2; -647.4; 05-JAN-2011 02:19:18; Dark ; 46.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 93; 0;46267
 3; -228.4; 05-JAN-2011 02:26:17; Dark ; 50.0; 54; 5The Cen ; 2.06; 4500;occ; 100; 0;46267
 4; -69.9; 05-JAN-2011 02:28:56; Dark ; 42.5; 95; Zet Cen ; 2.55; 26000;occ; 85; 0;46267
 5; 31.1; 05-JAN-2011 02:30:37; Dark ; 39.5; 77; Eps Cen ; 2.30; 28000;occ; 79; 0;46268
 6; 150.2; 05-JAN-2011 02:32:36; Dark ; 47.0; 64; Gam Cen ; 2.20; 10600;occ; 94; 0;46268
 7; 265.6; 05-JAN-2011 02:34:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46268

```



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8; 521.5; 05-JAN-2011 02:38:47; Dark ; 57.0; 113; Mu Vel ; 2.69; 5000;occ; 114; 0;46268
9; 654.4; 05-JAN-2011 02:41:00; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;46268
10; 768.4; 05-JAN-2011 02:42:54; Dark ; 41.5; 46; Del Vel ; 1.95; 10600;occ; 83; 0;46268
11; 937.1; 05-JAN-2011 02:45:43; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;46268
12; 1067.5; 05-JAN-2011 02:47:53; Dark ; 45.0; 70; Zet Pup ; 2.25; 39000;occ; 90; 0;46268
13; 1183.7; 05-JAN-2011 02:49:49; Dark ; 49.0; 117; Pi Pup ; 2.71; 3800;occ; 98; 0;46268
14; 1346.0; 05-JAN-2011 02:52:31; Dark ; 43.5; 23; 21Eps CMA ; 1.50; 26000;occ; 87; 0;46268
15; 1435.5; 05-JAN-2011 02:54:01; Dark ; 45.5; 179; 240mi2CMA ; 3.03; 24000;occ; 91; 0;46268
16; 1577.5; 05-JAN-2011 02:56:23; Dark ; 47.0; 1; 9Alp CMA ; -1.44; 11000;occ; 94; 0;46268
17; 2018.0; 05-JAN-2011 03:03:43; Dark ; 52.5; 14; 58Alp Ori ; 0.87; 3000;occ; 105; 0;46268
18; 2197.8; 05-JAN-2011 03:06:43; Dark ; 51.5; 44; 24Gam Gem ; 1.93; 11000;occ; 103; 0;46268
19; 2297.2; 05-JAN-2011 03:08:23; Bright; 54.0; 151; 13Mu Gem ; 2.89; 3000;occ; 108; 0;46268
20; 2539.4; 05-JAN-2011 03:12:25; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;46268
21; 2672.2; 05-JAN-2011 03:14:38; Bright; 38.0; 42; 34Bet Aur ; 1.90; 10200;occ; 76; 0;46268
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20110105_033111_000060363098_00133_46268_2027.N1
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2; -2084.6; 05-JAN-2011 03:35:35; Bright; 48.5; 55; 79Zet UMa ; 2.06; 10200;occ; 97; 0;46268
3; -1940.7; 05-JAN-2011 03:37:59; Bright; 59.0; 39; 85Eta UMa ; 1.85; 24000;occ; 118; 0;46268
4; -1681.7; 05-JAN-2011 03:42:18; Bright; 66.0; 180; 27Gam Boo ; 3.04; 8000;occ; 132; 0;46268
5; -1449.4; 05-JAN-2011 03:46:10; Bright; 66.0; 83; ; 2.38; 11000;occ; 132; 0;46268
6; -1127.2; 05-JAN-2011 03:51:32; Bright; 56.0; 102; 24Alp Ser ; 2.60; 4250;occ; 112; 0;46268
7; -814.4; 05-JAN-2011 03:56:45; Bright; 45.5; 104; 27Bet Lib ; 2.61; 13100;occ; 91; 0;46268
8; -646.8; 05-JAN-2011 03:59:33; Dark ; 44.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 88; 0;46268
9; -69.1; 05-JAN-2011 04:09:10; Dark ; 43.0; 95; Zet Cen ; 2.55; 26000;occ; 86; 0;46268
10; 31.9; 05-JAN-2011 04:10:51; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;46269
11; 151.2; 05-JAN-2011 04:12:51; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;46269
12; 266.5; 05-JAN-2011 04:14:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46269
13; 522.4; 05-JAN-2011 04:19:02; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;46269
14; 655.1; 05-JAN-2011 04:21:15; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;46269
15; 769.1; 05-JAN-2011 04:23:09; Dark ; 46.0; 46; Del Vel ; 1.95; 10600;occ; 92; 0;46269
16; 937.6; 05-JAN-2011 04:25:57; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;46269
17; 1068.1; 05-JAN-2011 04:28:08; Dark ; 44.5; 70; Zet Pup ; 2.25; 39000;occ; 89; 0;46269
18; 1184.2; 05-JAN-2011 04:30:04; Dark ; 48.0; 117; Pi Pup ; 2.71; 3800;occ; 96; 0;46269
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 18; 6219.9; 06-JAN-2011 11:58:12; Dark ; 41.0; 20; Bet Cru ; 1.25; 30000;occ; 82; 0;46288
 19; 6298.3; 06-JAN-2011 11:59:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46288
 20; 6553.0; 06-JAN-2011 12:03:45; Dark ; 58.5; 113; Mu Vel ; 2.69; 5000;occ; 117; 0;46288
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 22; 6792.5; 06-JAN-2011 12:07:44; Dark ; 42.0; 46; Del Vel ; 1.95; 10600;occ; 84; 0;46288
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 24; 7090.8; 06-JAN-2011 12:12:43; Dark ; 43.5; 70; Zet Pup ; 2.25; 39000;occ; 87; 0;46288
 25; 7204.4; 06-JAN-2011 12:14:36; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;46288
 26; 7365.2; 06-JAN-2011 12:17:17; Dark ; 45.5; 23; 21Eps CMA ; 1.50; 26000;occ; 91; 0;46288
 27; 7453.8; 06-JAN-2011 12:18:46; Dark ; 43.0; 179; 240mi2CMA ; 3.03; 24000;occ; 86; 0;46288
 28; 7594.4; 06-JAN-2011 12:21:06; Dark ; 18.5; 1; 9Alp CMA ; -1.44; 11000;occ; 37; 0;46288

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 2; 2018.4; 06-JAN-2011 12:28:24; Dark ; 47.5; 14; 58Alp Ori ; 0.87; 3000;occ; 95; 0;46288
 3; 2193.1; 06-JAN-2011 12:31:19; Dark ; 52.0; 44; 24Gam Gem ; 1.93; 11000;occ; 104; 0;46288
 4; 2293.1; 06-JAN-2011 12:32:59; Bright; 41.0; 151; 13Mu Gem ; 2.89; 3000;occ; 82; 0;46288
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 6; 2669.0; 06-JAN-2011 12:39:15; Bright; 39.0; 42; 34Bet Aur ; 1.90; 10200;occ; 78; 0;46288
 7; 3663.1; 06-JAN-2011 12:55:49; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;46288
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 16; 5958.6; 06-JAN-2011 13:34:04; Dark ; 41.5; 95; Zet Cen ; 2.55; 26000;occ; 83; 0;46288
 17; 6058.2; 06-JAN-2011 13:35:44; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;46289
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 19; 6299.3; 06-JAN-2011 13:39:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46289
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 24; 7090.9; 06-JAN-2011 13:52:57; Dark ; 45.5; 70; Zet Pup ; 2.25; 39000;occ; 91; 0;46289
 25; 7204.9; 06-JAN-2011 13:54:51; Dark ; 45.5; 117; Pi Pup ; 2.71; 3800;occ; 91; 0;46289
 26; 7365.4; 06-JAN-2011 13:57:31; Dark ; 44.5; 23; 21Eps CMa ; 1.50; 26000;occ; 89; 0;46289
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 4; 2193.1; 06-JAN-2011 14:11:33; Dark ; 45.0; 44; 24Gam Gem ; 1.93; 11000;occ; 90; 0;46289
 5; 2293.0; 06-JAN-2011 14:13:13; Bright; 52.5; 151; 13Mu Gem ; 2.89; 3000;occ; 105; 0;46289
 6; 2536.2; 06-JAN-2011 14:17:16; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;46289
 7; 2668.7; 06-JAN-2011 14:19:28; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;46289
 8; 3662.9; 06-JAN-2011 14:36:03; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;46289
 9; 3904.9; 06-JAN-2011 14:40:05; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;46289
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 11; 4332.7; 06-JAN-2011 14:47:12; Bright; 49.0; 180; 27Gam Boo ; 3.04; 8000;occ; 98; 0;46289
 12; 4569.6; 06-JAN-2011 14:51:09; Bright; 46.5; 83; ; 2.38; 11000;occ; 93; 0;46289
 13; 4894.4; 06-JAN-2011 14:56:34; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;46289
 14; 5211.3; 06-JAN-2011 15:01:51; Dark ; 45.0; 104; 27Bet Lib ; 2.61; 13100;occ; 90; 0;46289
 15; 5382.3; 06-JAN-2011 15:04:42; Dark ; 45.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 91; 0;46289
 16; 5803.9; 06-JAN-2011 15:11:44; Dark ; 53.5; 54; 5The Cen ; 2.06; 4500;occ; 107; 0;46289
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 18; 6058.8; 06-JAN-2011 15:15:59; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;46290
 19; 6221.1; 06-JAN-2011 15:18:41; Dark ; 42.5; 20; Bet Cru ; 1.25; 30000;occ; 85; 0;46290
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 21; 6554.4; 06-JAN-2011 15:24:14; Dark ; 49.0; 113; Mu Vel ; 2.69; 5000;occ; 98; 0;46290
 22; 6679.8; 06-JAN-2011 15:26:20; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;46290
 23; 6793.5; 06-JAN-2011 15:28:13; Dark ; 42.5; 46; Del Vel ; 1.95; 10600;occ; 85; 0;46290
 24; 6961.4; 06-JAN-2011 15:31:01; Dark ; 44.0; 34; Gam2Vel ; 1.79; 23000;occ; 88; 0;46290
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 26; 7204.9; 06-JAN-2011 15:35:05; Dark ; 45.5; 117; Pi Pup ; 2.71; 3800;occ; 91; 0;46290
 27; 7365.5; 06-JAN-2011 15:37:45; Dark ; 34.5; 23; 21Eps CMa ; 1.50; 26000;occ; 69; 0;46290

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20110106_153747_000057823098_00155_46290_3110.N1

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 4; 2018.4; 06-JAN-2011 15:48:52; Dark ; 47.5; 14; 58Alp Ori ; 0.87; 3000;occ; 95; 0;46290
 5; 2192.8; 06-JAN-2011 15:51:47; Dark ; 45.0; 44; 24Gam Gem ; 1.93; 11000;occ; 90; 0;46290
 6; 2292.8; 06-JAN-2011 15:53:27; Bright; 49.5; 151; 13Mu Gem ; 2.89; 3000;occ; 99; 0;46290
 7; 2535.8; 06-JAN-2011 15:57:30; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;46290
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 9; 3662.8; 06-JAN-2011 16:16:17; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;46290
 10; 3904.9; 06-JAN-2011 16:20:19; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;46290
 11; 4067.4; 06-JAN-2011 16:23:01; Bright; 45.0; 39; 85Eta UMa ; 1.85; 24000;occ; 90; 0;46290

```

12; 4332.6; 06-JAN-2011 16:27:26; Bright; 67.0; 180; 27Gam Boo ; 3.04; 8000;occ; 134; 0;46290
13; 4569.8; 06-JAN-2011 16:31:24; Bright; 67.0; 83; ; 2.38; 11000;occ; 134; 0;46290
14; 4894.7; 06-JAN-2011 16:36:49; Bright; 38.0; 102; 24Alp Ser ; 2.60; 4250;occ; 76; 0;46290
15; 5211.7; 06-JAN-2011 16:42:06; Dark ; 46.0; 104; 27Bet Lib ; 2.61; 13100;occ; 92; 0;46290
16; 5383.1; 06-JAN-2011 16:44:57; Dark ; 49.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 98; 0;46290
17; 5804.8; 06-JAN-2011 16:51:59; Dark ; 56.0; 54; 5The Cen ; 2.06; 4500;occ; 112; 0;46290
18; 5960.0; 06-JAN-2011 16:54:34; Dark ; 42.0; 95; Zet Cen ; 2.55; 26000;occ; 84; 0;46290
19; 6059.4; 06-JAN-2011 16:56:13; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;46291
20; 6221.8; 06-JAN-2011 16:58:56; Dark ; 45.5; 20; Bet Cru ; 1.25; 30000;occ; 91; 0;46291
21; 6301.3; 06-JAN-2011 17:00:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46291
22; 6555.2; 06-JAN-2011 17:04:29; Dark ; 48.0; 113; Mu Vel ; 2.69; 5000;occ; 96; 0;46291
23; 6680.4; 06-JAN-2011 17:06:34; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;46291
24; 6794.0; 06-JAN-2011 17:08:28; Dark ; 46.0; 46; Del Vel ; 1.95; 10600;occ; 92; 0;46291
25; 6961.9; 06-JAN-2011 17:11:16; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;46291
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11; 3662.7; 06-JAN-2011 17:56:31; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;46291
12; 3904.8; 06-JAN-2011 18:00:33; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;46291
13; 4067.1; 06-JAN-2011 18:03:15; Bright; 70.0; 39; 85Eta UMa ; 1.85; 24000;occ; 140; 0;46291
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15; 4570.1; 06-JAN-2011 18:11:38; Bright; 67.0; 83; ; 2.38; 11000;occ; 134; 0;46291
16; 4895.1; 06-JAN-2011 18:17:03; Bright; 57.0; 102; 24Alp Ser ; 2.60; 4250;occ; 114; 0;46291
17; 5212.2; 06-JAN-2011 18:22:20; Dark ; 45.5; 104; 27Bet Lib ; 2.61; 13100;occ; 91; 0;46291
18; 5383.4; 06-JAN-2011 18:25:11; Dark ; 48.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 96; 0;46291
19; 5805.6; 06-JAN-2011 18:32:14; Dark ; 55.0; 54; 5The Cen ; 2.06; 4500;occ; 110; 0;46291
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21; 6060.2; 06-JAN-2011 18:36:28; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;46292
22; 6222.2; 06-JAN-2011 18:39:10; Dark ; 42.0; 20; Bet Cru ; 1.25; 30000;occ; 84; 0;46292
23; 6302.2; 06-JAN-2011 18:40:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46292
24; 6556.4; 06-JAN-2011 18:44:44; Dark ; 56.5; 113; Mu Vel ; 2.69; 5000;occ; 113; 0;46292
25; 6680.8; 06-JAN-2011 18:46:49; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;46292
26; 6794.6; 06-JAN-2011 18:48:43; Dark ; 43.0; 46; Del Vel ; 1.95; 10600;occ; 86; 0;46292
27; 6962.4; 06-JAN-2011 18:51:30; Dark ; 40.0; 34; Gam2Vel ; 1.79; 23000;occ; 80; 0;46292
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3; 1191.6; 06-JAN-2011 18:55:34; Dark ; 48.0; 117; Pi Pup ; 2.71; 3800;occ; 96; 0;46292
4; 1352.0; 06-JAN-2011 18:58:14; Dark ; 48.0; 23; 21Eps CMa ; 1.50; 26000;occ; 96; 0;46292
5; 1440.7; 06-JAN-2011 18:59:43; Dark ; 42.5; 179; 240mi2CMa ; 3.03; 24000;occ; 85; 0;46292
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7; 2018.5; 06-JAN-2011 19:09:21; Dark ; 47.0; 14; 58Alp Ori ; 0.87; 3000;occ; 94; 0;46292
8; 2192.3; 06-JAN-2011 19:12:14; Dark ; 46.5; 44; 24Gam Gem ; 1.93; 11000;occ; 93; 0;46292
9; 2292.4; 06-JAN-2011 19:13:54; Bright; 50.0; 151; 13Mu Gem ; 2.89; 3000;occ; 100; 0;46292
10; 2535.6; 06-JAN-2011 19:17:58; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;46292
11; 2668.1; 06-JAN-2011 19:20:10; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;46292
12; 3662.5; 06-JAN-2011 19:36:45; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;46292
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14; 4066.8; 06-JAN-2011 19:43:29; Bright; 49.5; 39; 85Eta UMa ; 1.85; 24000;occ; 99; 0;46292
15; 4332.5; 06-JAN-2011 19:47:54; Bright; 67.0; 180; 27Gam Boo ; 3.04; 8000;occ; 134; 0;46292
16; 4570.3; 06-JAN-2011 19:51:52; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;46292
17; 4895.2; 06-JAN-2011 19:57:17; Bright; 57.0; 102; 24Alp Ser ; 2.60; 4250;occ; 114; 0;46292
18; 5212.8; 06-JAN-2011 20:02:35; Dark ; 46.0; 104; 27Bet Lib ; 2.61; 13100;occ; 92; 0;46292
19; 5384.3; 06-JAN-2011 20:05:26; Dark ; 47.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 95; 0;46292
20; 5806.2; 06-JAN-2011 20:12:28; Dark ; 50.0; 54; 5The Cen ; 2.06; 4500;occ; 100; 0;46292
21; 6060.7; 06-JAN-2011 20:16:43; Dark ; 42.0; 77; Eps Cen ; 2.30; 28000;occ; 84; 0;46293
22; 6222.7; 06-JAN-2011 20:19:25; Dark ; 42.5; 20; Bet Cru ; 1.25; 30000;occ; 85; 0;46293
23; 6303.1; 06-JAN-2011 20:20:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46293
24; 6557.0; 06-JAN-2011 20:24:59; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;46293

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25; 6681.4; 06-JAN-2011 20:27:03; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;46293
26; 6794.9; 06-JAN-2011 20:28:57; Dark ; 41.5; 46; Del Vel ; 1.95; 10600;occ; 83; 0;46293
27; 6962.6; 06-JAN-2011 20:31:45; Dark ; 35.5; 34; Gam2Vel ; 1.79; 23000;occ; 71; 0;46293
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2; -205.2; 07-JAN-2011 01:13:13; Dark ; 44.0; 54; 5The Cen ; 2.06; 4500;occ; 88; 0;46295
3; -50.8; 07-JAN-2011 01:15:47; Dark ; 41.5; 95; Zet Cen ; 2.55; 26000;occ; 83; 0;46295
4; 48.6; 07-JAN-2011 01:17:27; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;46296
5; 210.6; 07-JAN-2011 01:20:09; Dark ; 45.5; 20; Bet Cru ; 1.25; 30000;occ; 91; 0;46296
6; 291.9; 07-JAN-2011 01:21:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46296
7; 545.6; 07-JAN-2011 01:25:44; Dark ; 51.5; 113; Mu Vel ; 2.69; 5000;occ; 103; 0;46296
8; 668.8; 07-JAN-2011 01:27:47; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;46296
9; 782.4; 07-JAN-2011 01:29:40; Dark ; 42.0; 46; Del Vel ; 1.95; 10600;occ; 84; 0;46296
10; 949.9; 07-JAN-2011 01:32:28; Dark ; 41.5; 34; Gam2Vel ; 1.79; 23000;occ; 83; 0;46296
11; 1080.1; 07-JAN-2011 01:34:38; Dark ; 47.5; 70; Zet Pup ; 2.25; 39000;occ; 95; 0;46296
12; 1192.7; 07-JAN-2011 01:36:31; Dark ; 47.5; 117; Pi Pup ; 2.71; 3800;occ; 95; 0;46296
13; 1352.9; 07-JAN-2011 01:39:11; Dark ; 46.0; 23; 21Eps CMa ; 1.50; 26000;occ; 92; 0;46296
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15; 1581.4; 07-JAN-2011 01:42:59; Dark ; 48.5; 1; 9Alp CMa ; -1.44; 11000;occ; 97; 0;46296
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 22; 6973.7; 08-JAN-2011 14:17:46; Dark ; 41.5; 34; Gam2Vel ; 1.79; 23000;occ; 83; 0;46318
 23; 7103.5; 08-JAN-2011 14:19:56; Dark ; 46.5; 70; Zet Pup ; 2.25; 39000;occ; 93; 0;46318
 24; 7213.9; 08-JAN-2011 14:21:46; Dark ; 49.0; 117; Pi Pup ; 2.71; 3800;occ; 98; 0;46318
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 26; 7460.1; 08-JAN-2011 14:25:52; Dark ; 43.0; 179; 240mi2CMA ; 3.03; 24000;occ; 86; 0;46318

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20110108_142552_000058123098_00183_46318_3126.N1

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 3; 2027.2; 08-JAN-2011 14:35:34; Dark ; 44.0; 8; 10Alp CMI ; 0.40; 6500;occ; 88; 0;46318
 4; 2187.3; 08-JAN-2011 14:38:14; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;46318
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 8; 3659.1; 08-JAN-2011 15:02:45; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;46318
 9; 3904.9; 08-JAN-2011 15:06:51; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;46318
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 11; 4576.5; 08-JAN-2011 15:18:03; Bright; 49.0; 83; ; 2.38; 11000;occ; 98; 0;46318
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 16; 5979.8; 08-JAN-2011 15:41:26; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;46318
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 19; 6327.6; 08-JAN-2011 15:47:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46319
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 21; 6694.2; 08-JAN-2011 15:53:21; Dark ; 46.5; 71; Iot Car ; 2.25; 7700;occ; 93; 0;46319
 22; 6807.5; 08-JAN-2011 15:55:14; Dark ; 45.5; 46; Del Vel ; 1.95; 10600;occ; 91; 0;46319
 23; 6974.0; 08-JAN-2011 15:58:00; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;46319
 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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 6; 2287.7; 08-JAN-2011 16:20:08; Bright; 44.5; 151; 13Mu Gem ; 2.89; 3000;occ; 89; 0;46319
 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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 13; 4905.4; 08-JAN-2011 17:03:46; Bright; 58.0; 102; 24Alp Ser ; 2.60; 4250;occ; 116; 0;46319
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 25; 7104.4; 08-JAN-2011 17:40:25; Dark ; 47.0; 70; Zet Pup ; 2.25; 39000;occ; 94; 0;46320
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 3; 1446.2; 08-JAN-2011 17:46:21; Dark ; 43.5; 179; 240mi2CMA ; 3.03; 24000;occ; 87; 0;46320
 4; 1584.4; 08-JAN-2011 17:48:39; Dark ; 47.5; 1; 9Alp CMA ; -1.44; 11000;occ; 95; 0;46320

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6; 2186.9; 08-JAN-2011 17:58:41; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;46320
7; 2287.6; 08-JAN-2011 18:00:22; Bright; 46.0; 151; 13Mu Gem ; 2.89; 3000;occ; 92; 0;46320
8; 2531.8; 08-JAN-2011 18:04:26; Bright; 36.5; 107; 37The Aur ; 2.65; 11000;occ; 73; 0;46320
9; 2664.2; 08-JAN-2011 18:06:39; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;46320
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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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14; 4905.7; 08-JAN-2011 18:44:00; Bright; 58.0; 102; 24Alp Ser ; 2.60; 4250;occ; 116; 0;46320
15; 5229.2; 08-JAN-2011 18:49:24; Dark ; 48.0; 104; 27Bet Lib ; 2.61; 13100;occ; 96; 0;46320
16; 5405.8; 08-JAN-2011 18:52:20; Dark ; 51.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 103; 0;46320
17; 5830.2; 08-JAN-2011 18:59:25; Dark ; 46.5; 54; 5The Cen ; 2.06; 4500;occ; 93; 0;46320
18; 5981.3; 08-JAN-2011 19:01:56; Dark ; 42.0; 95; Zet Cen ; 2.55; 26000;occ; 84; 0;46320
19; 6078.3; 08-JAN-2011 19:03:33; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;46321
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24; 6808.5; 08-JAN-2011 19:15:43; Dark ; 42.5; 46; Del Vel ; 1.95; 10600;occ; 85; 0;46321
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3; 1200.6; 08-JAN-2011 19:22:29; Dark ; 48.5; 117; Pi Pup ; 2.71; 3800;occ; 97; 0;46321
4; 1359.0; 08-JAN-2011 19:25:08; Dark ; 44.5; 23; 21Eps CMA ; 1.50; 26000;occ; 89; 0;46321
5; 1446.5; 08-JAN-2011 19:26:35; Dark ; 42.5; 179; 240mi2CMA ; 3.03; 24000;occ; 85; 0;46321
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9; 2287.4; 08-JAN-2011 19:40:36; Bright; 52.0; 151; 13Mu Gem ; 2.89; 3000;occ; 104; 0;46321
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12; 3658.6; 08-JAN-2011 20:03:27; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;46321
13; 3904.8; 08-JAN-2011 20:07:33; Bright; 35.5; 119; 14Eta Dra ; 2.73; 4700;occ; 71; 0;46321
14; 4332.3; 08-JAN-2011 20:14:41; Bright; 45.0; 180; 27Gam Boo ; 3.04; 8000;occ; 90; 0;46321
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16; 4906.0; 08-JAN-2011 20:24:15; Bright; 58.0; 102; 24Alp Ser ; 2.60; 4250;occ; 116; 0;46321
17; 5229.9; 08-JAN-2011 20:29:38; Dark ; 46.0; 104; 27Bet Lib ; 2.61; 13100;occ; 92; 0;46321
18; 5406.4; 08-JAN-2011 20:32:35; Dark ; 48.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 97; 0;46321
19; 5831.1; 08-JAN-2011 20:39:40; Dark ; 45.5; 54; 5The Cen ; 2.06; 4500;occ; 91; 0;46321
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21; 6078.9; 08-JAN-2011 20:43:47; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;46322
22; 6239.9; 08-JAN-2011 20:46:28; Dark ; 43.5; 20; Bet Cru ; 1.25; 30000;occ; 87; 0;46322
23; 6330.4; 08-JAN-2011 20:47:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46322
24; 6581.3; 08-JAN-2011 20:52:10; Dark ; 48.0; 113; Mu Vel ; 2.69; 5000;occ; 96; 0;46322
25; 6695.4; 08-JAN-2011 20:54:04; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;46322
26; 6808.9; 08-JAN-2011 20:55:57; Dark ; 47.5; 46; Del Vel ; 1.95; 10600;occ; 95; 0;46322
27; 6975.4; 08-JAN-2011 20:58:44; Dark ; 40.5; 34; Gam2Vel ; 1.79; 23000;occ; 81; 0;46322

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2; -605.2; 09-JAN-2011 01:33:19; Dark ; 48.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 97; 0;46324
3; -227.1; 09-JAN-2011 01:39:37; Dark ; 41.5; 109; Bet Lup ; 2.68; 26000;occ; 83; 0;46324
4; -137.2; 09-JAN-2011 01:41:07; Dark ; 43.0; 78; Alp Lup ; 2.30; 28000;occ; 86; 0;46324
5; -30.0; 09-JAN-2011 01:42:54; Dark ; 42.0; 95; Zet Cen ; 2.55; 26000;occ; 84; 0;46324
6; 66.7; 09-JAN-2011 01:44:31; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;46325
7; 227.7; 09-JAN-2011 01:47:12; Dark ; 44.5; 20; Bet Cru ; 1.25; 30000;occ; 89; 0;46325
8; 319.2; 09-JAN-2011 01:48:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46325
9; 570.1; 09-JAN-2011 01:52:55; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;46325
10; 683.1; 09-JAN-2011 01:54:47; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;46325
11; 796.3; 09-JAN-2011 01:56:41; Dark ; 41.0; 46; Del Vel ; 1.95; 10600;occ; 82; 0;46325
12; 962.6; 09-JAN-2011 01:59:27; Dark ; 44.0; 34; Gam2Vel ; 1.79; 23000;occ; 88; 0;46325
13; 1092.2; 09-JAN-2011 02:01:37; Dark ; 43.5; 70; Zet Pup ; 2.25; 39000;occ; 87; 0;46325
14; 1201.9; 09-JAN-2011 02:03:26; Dark ; 45.5; 117; Pi Pup ; 2.71; 3800;occ; 91; 0;46325
15; 1359.8; 09-JAN-2011 02:06:04; Dark ; 45.5; 23; 21Eps CMA ; 1.50; 26000;occ; 91; 0;46325
16; 1447.1; 09-JAN-2011 02:07:32; Dark ; 41.5; 179; 240mi2CMA ; 3.03; 24000;occ; 83; 0;46325
17; 1585.0; 09-JAN-2011 02:09:49; Dark ; 48.5; 1; 9Alp CMA ; -1.44; 11000;occ; 97; 0;46325
18; 2024.7; 09-JAN-2011 02:17:09; Dark ; 64.0; 8; 10Alp CMI ; 0.40; 6500;occ; 128; 0;46325

```

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20; 2286.8; 09-JAN-2011 02:21:31; Bright; 49.0; 151; 13Mu Gem ; 2.89; 3000;occ; 98; 0;46325
21; 2531.3; 09-JAN-2011 02:25:36; Bright; 37.0; 107; 37The Aur ; 2.65; 11000;occ; 74; 0;46325
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 2; -2109.3; 09-JAN-2011 02:48:29; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;46325
 3; -1681.8; 09-JAN-2011 02:55:37; Bright; 45.5; 180; 27Gam Boo ; 3.04; 8000;occ; 91; 0;46325
 4; -1436.0; 09-JAN-2011 02:59:42; Bright; 70.0; 83; ; 2.38; 11000;occ; 140; 0;46325
 5; -1106.3; 09-JAN-2011 03:05:12; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;46325
 6; -781.8; 09-JAN-2011 03:10:37; Dark ; 45.5; 104; 27Bet Lib ; 2.61; 13100;occ; 91; 0;46325
 7; -604.3; 09-JAN-2011 03:13:34; Dark ; 46.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 93; 0;46325
 8; -226.6; 09-JAN-2011 03:19:52; Dark ; 40.0; 109; Bet Lup ; 2.68; 26000;occ; 80; 0;46325
 9; -136.6; 09-JAN-2011 03:21:22; Dark ; 39.5; 78; Alp Lup ; 2.30; 28000;occ; 79; 0;46325
10; -29.2; 09-JAN-2011 03:23:09; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;46325
11; 67.5; 09-JAN-2011 03:24:46; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;46326
12; 228.4; 09-JAN-2011 03:27:27; Dark ; 43.0; 20; Bet Cru ; 1.25; 30000;occ; 86; 0;46326
13; 320.1; 09-JAN-2011 03:28:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46326
14; 570.9; 09-JAN-2011 03:33:09; Dark ; 50.5; 113; Mu Vel ; 2.69; 5000;occ; 101; 0;46326
15; 683.7; 09-JAN-2011 03:35:02; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;46326
16; 796.8; 09-JAN-2011 03:36:55; Dark ; 44.5; 46; Del Vel ; 1.95; 10600;occ; 89; 0;46326
17; 963.2; 09-JAN-2011 03:39:42; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;46326
18; 1092.8; 09-JAN-2011 03:41:51; Dark ; 47.5; 70; Zet Pup ; 2.25; 39000;occ; 95; 0;46326
19; 1202.2; 09-JAN-2011 03:43:41; Dark ; 47.5; 117; Pi Pup ; 2.71; 3800;occ; 95; 0;46326
20; 1360.2; 09-JAN-2011 03:46:19; Dark ; 45.5; 23; 21Eps CMa ; 1.50; 26000;occ; 91; 0;46326
21; 1447.7; 09-JAN-2011 03:47:46; Dark ; 40.0; 179; 240mi2CMa ; 3.03; 24000;occ; 80; 0;46326
22; 1585.5; 09-JAN-2011 03:50:04; Dark ; 48.0; 1; 9Alp CMa ; -1.44; 11000;occ; 96; 0;46326
23; 2024.4; 09-JAN-2011 03:57:23; Dark ; 70.0; 8; 10Alp CMi ; 0.40; 6500;occ; 140; 0;46326
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26; 2531.2; 09-JAN-2011 04:05:50; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;46326
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33; 6347.3; 10-JAN-2011 02:52:28; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46340

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4; -1432.3; 10-JAN-2011 04:03:16; Bright; 71.0; 83; ; 2.38; 11000;occ; 142; 0;46340
5; -1100.3; 10-JAN-2011 04:08:48; Bright; 58.0; 102; 24Alp Ser ; 2.60; 4250;occ; 116; 0;46340
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 23; 6984.8; 10-JAN-2011 09:44:02; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;46344
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11; 4916.1; 10-JAN-2011 14:10:15; Bright; 59.0; 102; 24Alp Ser ; 2.60; 4250;occ; 118; 0;46346
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21; 6707.6; 10-JAN-2011 14:40:06; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;46347
22; 6820.6; 10-JAN-2011 14:41:59; Dark ; 40.5; 46; Del Vel ; 1.95; 10600;occ; 81; 0;46347
23; 6986.1; 10-JAN-2011 14:44:45; Dark ; 42.5; 34; Gam2Vel ; 1.79; 23000;occ; 85; 0;46347
24; 7115.2; 10-JAN-2011 14:46:54; Dark ; 45.0; 70; Zet Pup ; 2.25; 39000;occ; 90; 0;46347
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3; 1588.3; 10-JAN-2011 14:55:01; Dark ; 50.5; 1; 9Alp CMA ; -1.44; 11000;occ; 101; 0;46347
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5; 2182.6; 10-JAN-2011 15:04:55; Dark ; 44.5; 44; 24Gam Gem ; 1.93; 11000;occ; 89; 0;46347
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9; 3654.9; 10-JAN-2011 15:29:28; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;46347
10; 3904.7; 10-JAN-2011 15:33:37; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;46347
11; 4332.2; 10-JAN-2011 15:40:45; Bright; 46.5; 180; 27Gam Boo ; 3.04; 8000;occ; 93; 0;46347
12; 4583.6; 10-JAN-2011 15:44:56; Bright; 72.0; 83; ; 2.38; 11000;occ; 144; 0;46347
13; 4916.6; 10-JAN-2011 15:50:29; Bright; 59.0; 102; 24Alp Ser ; 2.60; 4250;occ; 118; 0;46347

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14; 5246.3; 10-JAN-2011 15:55:59; Dark ; 45.0; 104; 27Bet Lib ; 2.61; 13100;occ; 90; 0;46347
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17; 5890.1; 10-JAN-2011 16:06:43; Dark ; 41.0; 78; Alp Lup ; 2.30; 28000;occ; 82; 0;46347
18; 6000.9; 10-JAN-2011 16:08:34; Dark ; 42.0; 95; Zet Cen ; 2.55; 26000;occ; 84; 0;46347
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22; 6603.3; 10-JAN-2011 16:18:36; Dark ; 53.5; 113; Mu Vel ; 2.69; 5000;occ; 107; 0;46348
23; 6708.3; 10-JAN-2011 16:20:21; Dark ; 48.5; 71; Iot Car ; 2.25; 7700;occ; 97; 0;46348
24; 6821.3; 10-JAN-2011 16:22:14; Dark ; 39.0; 46; Del Vel ; 1.95; 10600;occ; 78; 0;46348
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21; 6256.3; 10-JAN-2011 17:53:03; Dark ; 44.5; 20; Bet Cru ; 1.25; 30000;occ; 89; 0;46349
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23; 6604.1; 10-JAN-2011 17:58:51; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;46349
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12; 5284.6; 14-JAN-2011 11:49:28; Dark ; 50.0; 104; 27Bet Lib ; 2.61; 13100;occ; 100; 0;46402
13; 5402.9; 14-JAN-2011 11:51:26; Dark ; 46.5; 80; 7Del Sco ; 2.32; 30000;occ; 93; 0;46402
14; 5833.2; 14-JAN-2011 11:58:37; Dark ; 40.5; 109; Bet Lup ; 2.68; 26000;occ; 81; 0;46402
15; 5923.9; 14-JAN-2011 12:00:07; Dark ; 39.0; 78; Alp Lup ; 2.30; 28000;occ; 78; 0;46402
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
18; 6406.4; 14-JAN-2011 12:08:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46403
19; 6733.7; 14-JAN-2011 12:13:37; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;46403
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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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3; 2003.1; 14-JAN-2011 12:35:01; Dark ; 56.5; 8; 10Alp CMi ; 0.40; 6500;occ; 113; 0;46403
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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12; 5069.7; 14-JAN-2011 13:26:07; Bright; 56.0; 120; 1Del Oph ; 2.73; 3200;occ; 112; 0;46403
13; 5285.8; 14-JAN-2011 13:29:43; Dark ; 51.5; 104; 27Bet Lib ; 2.61; 13100;occ; 103; 0;46403
14; 5403.4; 14-JAN-2011 13:31:41; Dark ; 46.0; 80; 7Del Sco ; 2.32; 30000;occ; 92; 0;46403
15; 5833.9; 14-JAN-2011 13:38:51; Dark ; 41.0; 109; Bet Lup ; 2.68; 26000;occ; 82; 0;46403
16; 5924.5; 14-JAN-2011 13:40:22; Dark ; 41.5; 78; Alp Lup ; 2.30; 28000;occ; 83; 0;46403
17; 6044.0; 14-JAN-2011 13:42:22; Dark ; 42.5; 95; Zet Cen ; 2.55; 26000;occ; 85; 0;46404
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19; 6407.4; 14-JAN-2011 13:48:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46404
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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
23; 7136.9; 14-JAN-2011 14:00:34; Dark ; 44.0; 70; Zet Pup ; 2.25; 39000;occ; 88; 0;46404
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3; 2003.0; 14-JAN-2011 14:15:14; Dark ; 53.5; 8; 10Alp CMI ; 0.40; 6500;occ; 107; 0;46404
4; 2176.4; 14-JAN-2011 14:18:08; Dark ; 49.5; 44; 24Gam Gem ; 1.93; 11000;occ; 99; 0;46404
5; 2279.0; 14-JAN-2011 14:19:51; Bright; 42.0; 151; 13Mu Gem ; 2.89; 3000;occ; 84; 0;46404
6; 2457.6; 14-JAN-2011 14:22:49; Bright; 49.0; 17; 78Bet Gem ; 1.16; 4500;occ; 98; 0;46404
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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12; 5070.1; 14-JAN-2011 15:06:22; Bright; 53.5; 120; 1Del Oph ; 2.73; 3200;occ; 107; 0;46404
13; 5286.5; 14-JAN-2011 15:09:58; Dark ; 48.5; 104; 27Bet Lib ; 2.61; 13100;occ; 97; 0;46404
14; 5404.0; 14-JAN-2011 15:11:56; Dark ; 42.0; 80; 7Del Sco ; 2.32; 30000;occ; 84; 0;46404
15; 5834.5; 14-JAN-2011 15:19:06; Dark ; 41.5; 109; Bet Lup ; 2.68; 26000;occ; 83; 0;46404
16; 5925.1; 14-JAN-2011 15:20:37; Dark ; 41.0; 78; Alp Lup ; 2.30; 28000;occ; 82; 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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21; 6846.4; 14-JAN-2011 15:35:58; Dark ; 40.5; 46; Del Vel ; 1.95; 10600;occ; 81; 0;46405
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
24; 7365.4; 14-JAN-2011 15:44:37; Dark ; 12.0; 88; 31Eta CMA ; 2.45; 20000;occ; 24; 0;46405
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3; 1596.3; 14-JAN-2011 15:48:42; Dark ; 47.5; 1; 9Alp CMA ; -1.44; 11000;occ; 95; 0;46405
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5; 2176.3; 14-JAN-2011 15:58:22; Dark ; 50.0; 44; 24Gam Gem ; 1.93; 11000;occ; 100; 0;46405
6; 2278.9; 14-JAN-2011 16:00:05; Bright; 41.5; 151; 13Mu Gem ; 2.89; 3000;occ; 83; 0;46405
7; 2457.2; 14-JAN-2011 16:03:03; Bright; 48.5; 17; 78Bet Gem ; 1.16; 4500;occ; 97; 0;46405
8; 3645.8; 14-JAN-2011 16:22:51; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;46405
9; 3903.0; 14-JAN-2011 16:27:09; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;46405
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14; 5287.2; 14-JAN-2011 16:50:13; Dark ; 49.5; 104; 27Bet Lib ; 2.61; 13100;occ; 99; 0;46405
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16; 5835.2; 14-JAN-2011 16:59:21; Dark ; 40.5; 109; Bet Lup ; 2.68; 26000;occ; 81; 0;46405
17; 5925.9; 14-JAN-2011 17:00:51; Dark ; 42.0; 78; Alp Lup ; 2.30; 28000;occ; 84; 0;46405
18; 6045.7; 14-JAN-2011 17:02:51; Dark ; 43.5; 95; Zet Cen ; 2.55; 26000;occ; 87; 0;46406
19; 6291.2; 14-JAN-2011 17:06:57; Dark ; 42.0; 20; Bet Cru ; 1.25; 30000;occ; 84; 0;46406
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21; 6735.3; 14-JAN-2011 17:14:21; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;46406
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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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
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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
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22; 6735.5; 14-JAN-2011 18:54:35; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;46407
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3; 1351.8; 14-JAN-2011 19:05:06; Dark ; 43.0; 88; 31Eta CMa ; 2.45; 20000;occ; 86; 0;46407
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
6; 2002.1; 14-JAN-2011 19:15:56; Dark ; 55.5; 8; 10Alp CMi ; 0.40; 6500;occ; 111; 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
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10; 3645.5; 14-JAN-2011 19:43:19; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;46407
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13; 4563.1; 14-JAN-2011 19:58:37; Bright; 63.0; 67; 5Alp CrB ; 2.22; 11000;occ; 126; 0;46407
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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
21; 6292.3; 14-JAN-2011 20:27:26; Dark ; 45.5; 20; Bet Cru ; 1.25; 30000;occ; 91; 0;46408
22; 6411.1; 14-JAN-2011 20:29:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46408
23; 6735.9; 14-JAN-2011 20:34:50; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;46408
24; 6847.7; 14-JAN-2011 20:36:42; Dark ; 44.5; 46; Del Vel ; 1.95; 10600;occ; 89; 0;46408
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3; -85.0; 15-JAN-2011 01:22:05; Dark ; 43.0; 78; Alp Lup ; 2.30; 28000;occ; 86; 0;46410
4; 35.5; 15-JAN-2011 01:24:05; Dark ; 45.5; 95; Zet Cen ; 2.55; 26000;occ; 91; 0;46411
5; 280.0; 15-JAN-2011 01:28:10; Dark ; 42.0; 20; Bet Cru ; 1.25; 30000;occ; 84; 0;46411
6; 399.9; 15-JAN-2011 01:30:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46411
7; 723.1; 15-JAN-2011 01:35:33; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;46411
8; 834.5; 15-JAN-2011 01:37:24; Dark ; 39.5; 46; Del Vel ; 1.95; 10600;occ; 79; 0;46411
9; 997.3; 15-JAN-2011 01:40:07; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;46411
10; 1125.4; 15-JAN-2011 01:42:15; Dark ; 44.0; 70; Zet Pup ; 2.25; 39000;occ; 88; 0;46411
11; 1352.6; 15-JAN-2011 01:46:02; Dark ; 44.0; 88; 31Eta CMa ; 2.45; 20000;occ; 88; 0;46411
12; 1463.8; 15-JAN-2011 01:47:54; Dark ; 41.5; 179; 240mi2CMa ; 3.03; 24000;occ; 83; 0;46411
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14; 2175.7; 15-JAN-2011 01:59:45; Dark ; 42.0; 44; 24Gam Gem ; 1.93; 11000;occ; 84; 0;46411
15; 2278.4; 15-JAN-2011 02:01:28; Bright; 41.0; 151; 13Mu Gem ; 2.89; 3000;occ; 82; 0;46411
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22; 5073.0; 15-JAN-2011 02:48:03; Bright; 56.0; 120; 1Del Oph ; 2.73; 3200;occ; 112; 0;46411
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13; 494.7; 22-JAN-2011 07:16:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46515
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13; 5200.6; 22-JAN-2011 18:35:52; Dark ; 43.5; 98; 13Zet Oph ; 2.57; 30000;occ; 87; 0;46521
14; 5469.6; 22-JAN-2011 18:40:21; Dark ; 54.5; 16; 21Alp Sco ; 1.02; 3000;occ; 109; 0;46521
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```

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17; 6036.3; 22-JAN-2011 18:49:48; Dark ; 53.0; 54; 5The Cen ; 2.06; 4500;occ; 106; 0;46522
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19; 6249.1; 22-JAN-2011 18:53:21; Dark ; 52.5; 123; Iot Cen ; 2.75; 10200;occ; 105; 0;46522
20; 6407.1; 22-JAN-2011 18:55:59; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;46522
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22; 6736.4; 22-JAN-2011 19:01:28; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;46522
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22; 5010.7; 23-JAN-2011 02:53:52; Bright; 53.5; 102; 24Alp Ser ; 2.60; 4250;occ; 107; 0;46526
23; 5203.2; 23-JAN-2011 02:57:05; Dark ; 46.0; 98; 13Zet Oph ; 2.57; 30000;occ; 92; 0;46526
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16; 822.8; 23-JAN-2011 05:04:33; Dark ; 41.0; 91; Kap Vel ; 2.49; 26000;occ; 82; 0;46528
17; 1021.7; 23-JAN-2011 05:07:52; Dark ; 53.0; 65; Lam Vel ; 2.20; 4400;occ; 106; 0;46528
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5; 41.3; 23-JAN-2011 21:33:51; Dark ; 53.5; 54; 5The Cen ; 2.06; 4500;occ; 107; 0;46538
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7; 401.9; 23-JAN-2011 21:39:52; Dark ; 44.0; 12; Alp1Cru ; 0.77; 30000;occ; 88; 0;46538
8; 515.1; 23-JAN-2011 21:41:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;46538
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