

GOMOS Daily Report 28-JAN-2010

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	30JAN2010 04:36:05
Data source version	GOMOS/5.00L04
Start time of products	28JAN2010 00:01:27
Stop time of products	28JAN2010 23:46:31
Store outputs in DB	Yes
Nb of level 1b prods	157
Nb of prods with errors	0

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

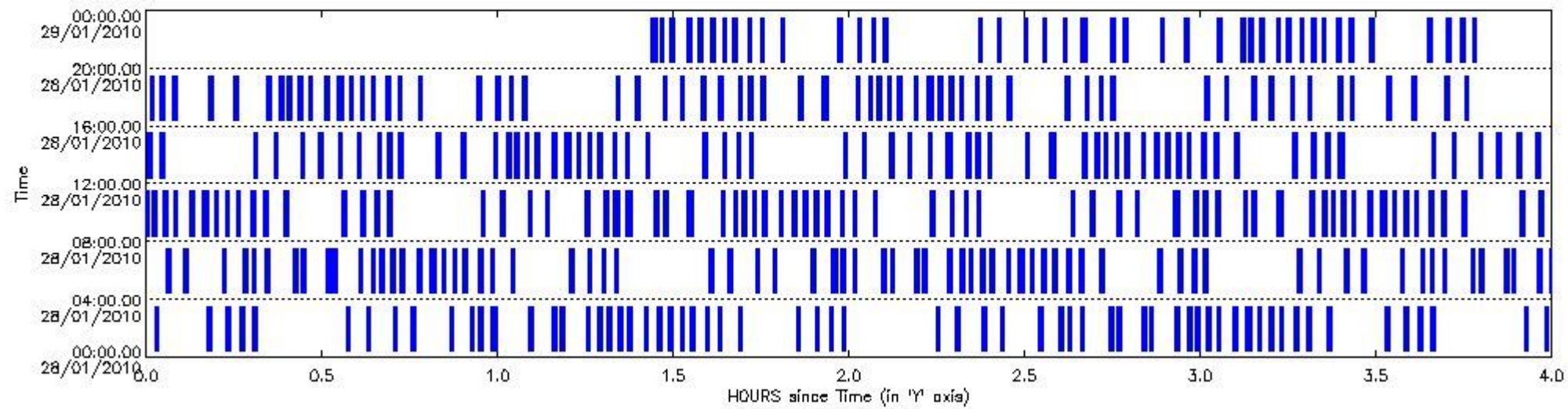
2.1 Level 0 products arrived in PCF (see template [here](#))

2.2 Plot of mission plan versus Level 0 production arrived in PCF during reporting period

Red segments are missing products.

Blue segments are available products.

Green segments are calibration measurements (not available products to users).



2.3 Summary of missing occultations (red segments in previous plot)

No missing products.

2.4 Summary of processed GOM_TRA_1P products

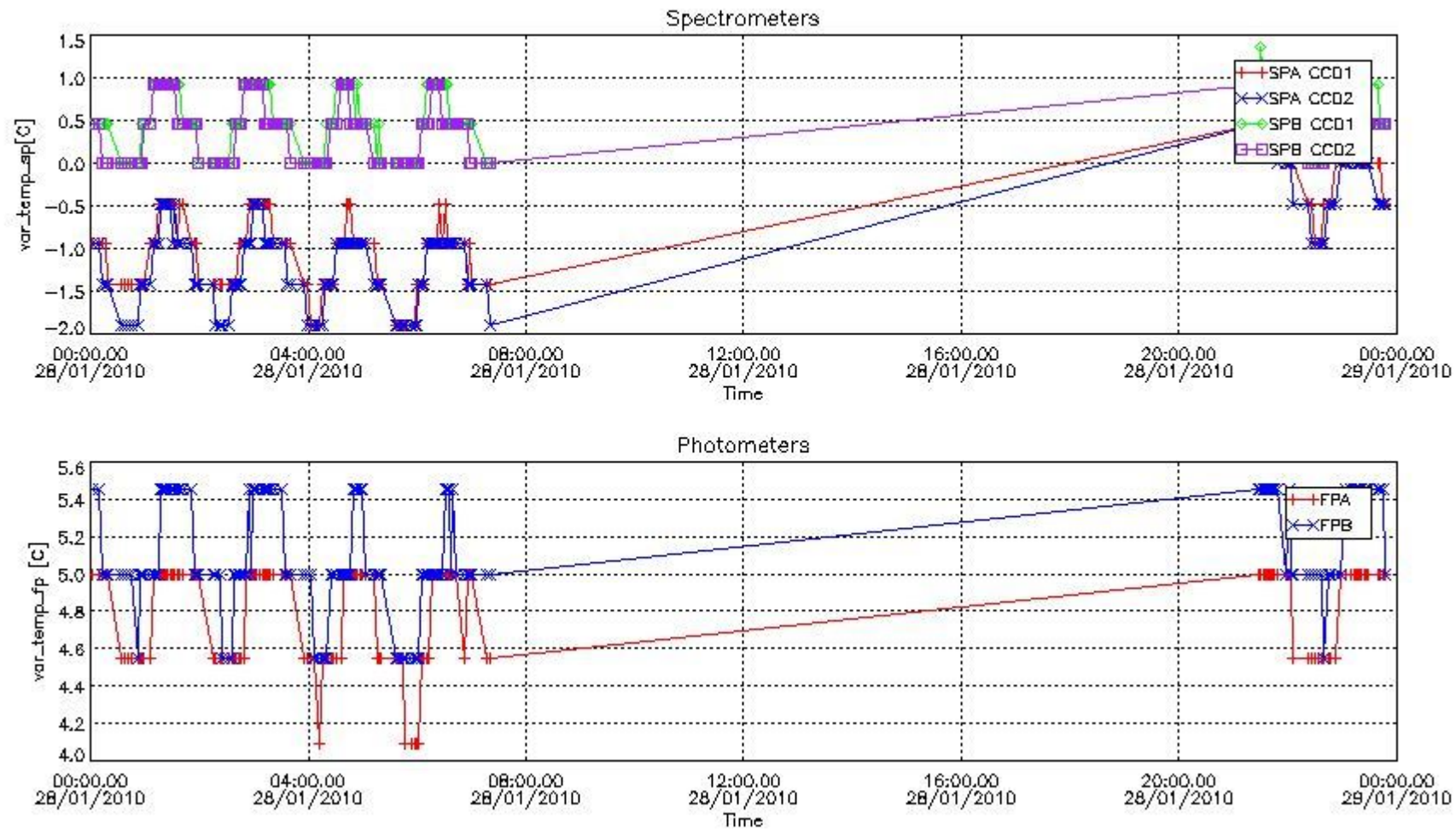
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100128_000127_000000442086_00231_41367_7177.N1	28-JAN-2010 00:01:27	Straylight	43.500	37	25Del CMa	1.8300	5900.0	87	41367	No
2	GOM_TRA_1PNPDE20100128_001020_000000492086_00231_41367_7178.N1	28-JAN-2010 00:10:20	Twilight_stray	48.500	8	10Alp CMi	0.40000	6500.0	97	41367	No
3	GOM_TRA_1PNPDE20100128_001338_000000412086_00231_41367_7179.N1	28-JAN-2010 00:13:38	Bright	41.000	44	24Gam Gem	1.9280	11000.	82	41367	No
4	GOM_TRA_1PNPDE20100128_001603_000000372086_00231_41367_7180.N1	28-JAN-2010 00:16:03	Bright	37.000	170	27Eps Gem	3.0000	9700.0	74	41367	No
5	GOM_TRA_1PNPDE20100128_001811_000000402086_00231_41367_7181.N1	28-JAN-2010 00:18:11	Bright	40.000	24	66Alp Gem	1.5800	10200.	80	41367	No
6	GOM_TRA_1PNPDE20100128_003413_000000362086_00231_41367_7182.N1	28-JAN-2010 00:34:13	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	41367	No
7	GOM_TRA_1PNPDE20100128_003733_000000352086_00231_41367_7183.N1	28-JAN-2010 00:37:33	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	41367	No
8	GOM_TRA_1PNPDE20100128_004212_000000412086_00231_41367_7184.N1	28-JAN-2010 00:42:12	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	41367	No
9	GOM_TRA_1PNPDE20100128_004513_000000392086_00231_41367_7185.N1	28-JAN-2010 00:45:13	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	41367	No
10	GOM_TRA_1PNPDE20100128_005146_000000422086_00231_41367_7186.N1	28-JAN-2010 00:51:46	Bright	42.000	133	40Zet Her	2.8070	6000.0	84	41367	No
11	GOM_TRA_1PNPDE20100128_005513_000000452086_00231_41367_7187.N1	28-JAN-2010 00:55:13	Bright	44.500	127	27Bet Her	2.7810	4700.0	89	41367	No
12	GOM_TRA_1PNPDE20100128_005648_000000362086_00231_41367_7188.N1	28-JAN-2010 00:56:48	Bright	35.500	59	55Alp Oph	2.0800	8900.0	71	41367	No

13	GOM_TRA_1PNPDE20100128_005855_000000532086_00231_41367_7189.N1	28-JAN-2010 00:58:55	Bright	53.000	126	60Bet Oph	2.7700	4250.0	106	41367	No
14	GOM_TRA_1PNPDE20100128_010514_000000432086_00231_41367_7188.N1	28-JAN-2010 01:05:14	Tw_i_and_stray	43.000	86	35Eta Oph	2.4300	10200.	86	41367	No
15	GOM_TRA_1PNPDE20100128_010921_000000472086_00231_41367_7189.N1	28-JAN-2010 01:09:21	Dark	47.000	16	21Alp Sco	1.0200	3000.0	94	41367	No
16	GOM_TRA_1PNPDE20100128_011041_000000432086_00231_41367_7190.N1	28-JAN-2010 01:10:41	Dark	42.500	75	26Eps Sco	2.2910	4250.0	85	41367	No
17	GOM_TRA_1PNPDE20100128_011502_000000422086_00231_41367_7191.N1	28-JAN-2010 01:15:02	Dark	42.000	131	Gam Lup	2.8000	26000.	84	41367	No
18	GOM_TRA_1PNPDE20100128_011709_000000432086_00231_41367_7192.N1	28-JAN-2010 01:17:09	Dark	43.000	109	Bet Lup	2.6770	26000.	86	41367	No
19	GOM_TRA_1PNPDE20100128_011837_000000442086_00232_41368_7193.N1	28-JAN-2010 01:18:37	Dark	44.000	78	Alp Lup	2.3040	28000.	88	41368	No
20	GOM_TRA_1PNPDE20100128_012027_000000482086_00232_41368_7194.N1	28-JAN-2010 01:20:27	Dark	48.000	4	Alp1Cen	-0.010000	5800.0	96	41368	No
21	GOM_TRA_1PNPDE20100128_012209_000000442086_00232_41368_7195.N1	28-JAN-2010 01:22:09	Dark	43.500	77	Eps Cen	2.3030	28000.	87	41368	No
22	GOM_TRA_1PNPDE20100128_012502_000000432086_00232_41368_7196.N1	28-JAN-2010 01:25:02	Dark	42.500	12	Alp1Cru	0.77500	30000.	85	41368	No
23	GOM_TRA_1PNPDE20100128_012912_000000482086_00232_41368_7197.N1	28-JAN-2010 01:29:12	Dark	47.500	159	Ups Car	2.9200	7200.0	95	41368	No
24	GOM_TRA_1PNPDE20100128_013106_000000482086_00232_41368_7198.N1	28-JAN-2010 01:31:06	Dark	48.000	71	Iot Car	2.2460	7700.0	96	41368	No
25	GOM_TRA_1PNPDE20100128_013253_000000422086_00232_41368_7199.N1	28-JAN-2010 01:32:53	Dark	41.500	46	Del Vel	1.9540	10600.	83	41368	No
26	GOM_TRA_1PNPDE20100128_013527_000000442086_00232_41368_7200.N1	28-JAN-2010 01:35:27	Dark	43.500	34	Gam2Vel	1.7930	23000.	87	41368	No
27	GOM_TRA_1PNPDE20100128_013733_000000422086_00232_41368_7201.N1	28-JAN-2010 01:37:33	Straylight	41.500	70	Zet Pup	2.2460	39000.	83	41368	No
28	GOM_TRA_1PNPDE20100128_014104_000000392086_00232_41368_7202.N1	28-JAN-2010 01:41:04	Straylight	39.000	88	31Eta CMa	2.4480	20000.	78	41368	No
29	GOM_TRA_1PNPDE20100128_015055_000000482086_00232_41368_7203.N1	28-JAN-2010 01:50:55	Tw_i_and_stray	48.000	8	10Alp CMi	0.40000	6500.0	96	41368	No
30	GOM_TRA_1PNPDE20100128_015414_000000412086_00232_41368_7204.N1	28-JAN-2010 01:54:14	Bright	41.000	44	24Gam Gem	1.9280	11000.	82	41368	No
31	GOM_TRA_1PNPDE20100128_015639_000000402086_00232_41368_7205.N1	28-JAN-2010 01:56:39	Bright	39.500	170	27Eps Gem	3.0000	9700.0	79	41368	No
32	GOM_TRA_1PNPDE20100128_015847_000000412086_00232_41368_7206.N1	28-JAN-2010 01:58:47	Bright	40.500	24	66Alp Gem	1.5800	10200.	81	41368	No
33	GOM_TRA_1PNPDE20100128_021449_000000362086_00232_41368_7207.N1	28-JAN-2010 02:14:49	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	41368	No
34	GOM_TRA_1PNPDE20100128_021809_000000422086_00232_41368_7208.N1	28-JAN-2010 02:18:09	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	41368	No
35	GOM_TRA_1PNPDE20100128_022248_000000422086_00232_41368_7209.N1	28-JAN-2010 02:22:48	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	41368	No
36	GOM_TRA_1PNPDE20100128_022549_000000352086_00232_41368_7210.N1	28-JAN-2010 02:25:49	Bright	34.500	130	23Bet Dra	2.7990	5800.0	69	41368	No
37	GOM_TRA_1PNPDE20100128_023221_000000422086_00232_41368_7211.N1	28-JAN-2010 02:32:21	Bright	42.000	133	40Zet Her	2.8070	6000.0	84	41368	No
38	GOM_TRA_1PNPDE20100128_023549_000000442086_00232_41368_7212.N1	28-JAN-2010 02:35:49	Bright	43.500	127	27Bet Her	2.7810	4700.0	87	41368	No
39	GOM_TRA_1PNPDE20100128_023724_000000362086_00232_41368_7213.N1	28-JAN-2010 02:37:24	Bright	35.500	59	55Alp Oph	2.0800	8900.0	71	41368	No
40	GOM_TRA_1PNPDE20100128_023931_000000352086_00232_41368_7214.N1	28-JAN-2010 02:39:31	Bright	35.000	126	60Bet Oph	2.7700	4250.0	70	41368	No
41	GOM_TRA_1PNPDE20100128_024421_000000542086_00232_41368_7215.N1	28-JAN-2010 02:44:21	Tw_i_and_stray	54.000	120	1Del Oph	2.7340	3200.0	108	41368	No
42	GOM_TRA_1PNPDE20100128_024550_000000422086_00232_41368_7216.N1	28-JAN-2010 02:45:50	Tw_i_and_stray	42.000	86	35Eta Oph	2.4300	10200.	84	41368	No
43	GOM_TRA_1PNPDE20100128_024958_000000472086_00232_41368_7217.N1	28-JAN-2010 02:49:58	Dark	46.500	16	21Alp Sco	1.0200	3000.0	93	41368	No
44	GOM_TRA_1PNPDE20100128_025117_000000422086_00232_41368_7218.N1	28-JAN-2010 02:51:17	Dark	42.000	75	26Eps Sco	2.2910	4250.0	84	41368	No
45	GOM_TRA_1PNPDE20100128_025539_000000422086_00232_41368_7219.N1	28-JAN-2010 02:55:39	Dark	42.000	131	Gam Lup	2.8000	26000.	84	41368	No
46	GOM_TRA_1PNPDE20100128_025746_000000442086_00232_41368_7220.N1	28-JAN-2010 02:57:46	Dark	43.500	109	Bet Lup	2.6770	26000.	87	41368	No
47	GOM_TRA_1PNPDE20100128_025913_000000462086_00233_41369_7221.N1	28-JAN-2010 02:59:13	Dark	45.500	78	Alp Lup	2.3040	28000.	91	41369	No
48	GOM_TRA_1PNPDE20100128_030103_000000412086_00233_41369_7222.N1	28-JAN-2010 03:01:03	Dark	40.500	4	Alp1Cen	-0.010000	5800.0	81	41369	No
49	GOM_TRA_1PNPDE20100128_030246_000000442086_00233_41369_7223.N1	28-JAN-2010 03:02:46	Dark	44.000	77	Eps Cen	2.3030	28000.	88	41369	No
50	GOM_TRA_1PNPDE20100128_030538_000000472086_00233_41369_7224.N1	28-JAN-2010 03:05:38	Dark	46.500	12	Alp1Cru	0.77500	30000.	93	41369	No
51	GOM_TRA_1PNPDE20100128_030948_000000392086_00233_41369_7225.N1	28-JAN-2010 03:09:48	Dark	38.500	159	Ups Car	2.9200	7200.0	77	41369	No
52	GOM_TRA_1PNPDE20100128_031143_000000502086_00233_41369_7226.N1	28-JAN-2010 03:11:43	Dark	50.000	71	Iot Car	2.2460	7700.0	100	41369	No
53	GOM_TRA_1PNPDE20100128_031329_000000392086_00233_41369_7227.N1	28-JAN-2010 03:13:29	Dark	39.000	46	Del Vel	1.9540	10600.	78	41369	No
54	GOM_TRA_1PNPDE20100128_031603_000000432086_00233_41369_7228.N1	28-JAN-2010 03:16:03	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	41369	No
55	GOM_TRA_1PNPDE20100128_031809_000000412086_00233_41369_7229.N1	28-JAN-2010 03:18:09	Straylight	41.000	70	Zet Pup	2.2460	39000.	82	41369	No
56	GOM_TRA_1PNPDE20100128_032140_000000422086_00233_41369_7230.N1	28-JAN-2010 03:21:40	Straylight	42.000	88	31Eta CMa	2.4480	20000.	84	41369	No
57	GOM_TRA_1PNPDE20100128_033132_000000472086_00233_41369_7231.N1	28-JAN-2010 03:31:32	Tw_i_and_stray	46.500	8	10Alp CMi	0.40000	6500.0	93	41369	No
58	GOM_TRA_1PNPDE20100128_033450_000000392086_00233_41369_7232.N1	28-JAN-2010 03:34:50	Bright	39.000	44	24Gam Gem	1.9280	11000.	78	41369	No
59	GOM_TRA_1PNPDE20100128_033715_000000382086_00233_41369_7233.N1	28-JAN-2010 03:37:15	Bright	38.000	170	27Eps Gem	3.0000	9700.0	76	41369	No
60	GOM_TRA_1PNPDE20100128_033922_000000382086_00233_41369_7234.N1	28-JAN-2010 03:39:22	Bright	38.000	24	66Alp Gem	1.5800	10200.	76	41369	No
61	GOM_TRA_1PNPDE20100128_035526_000000362086_00233_41369_7215.N1	28-JAN-2010 03:55:26	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	41369	No
62	GOM_TRA_1PNPDE20100128_035845_000000422086_00233_41369_7216.N1	28-JAN-2010 03:58:45	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	41369	No
63	GOM_TRA_1PNPDE20100128_040324_000000402086_00233_41369_7217.N1	28-JAN-2010 04:03:24	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	41369	No
64	GOM_TRA_1PNPDE20100128_040625_000000372086_00233_41369_7218.N1	28-JAN-2010 04:06:25	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	41369	No
65	GOM_TRA_1PNPDE20100128_041257_000000432086_00233_41369_7219.N1	28-JAN-2010 04:12:57	Bright	43.000	133	40Zet Her	2.8070	6000.0	86	41369	No
66	GOM_TRA_1PNPDE20100128_041625_000000462086_00233_41369_7220.N1	28-JAN-2010 04:16:25	Bright	45.500	127	27Bet Her	2.7810	4700.0	91	41369	No
67	GOM_TRA_1PNPDE20100128_041801_000000412086_00233_41369_7221.N1	28-JAN-2010 04:18:01	Bright	40.500	59	55Alp Oph	2.0800	8900.0	81	41369	No
68	GOM_TRA_1PNPDE20100128_042008_000000532086_00233_41369_7222.N1	28-JAN-2010 04:20:08	Bright	53.000	126	60Bet Oph	2.7700	4250.0	106	41369	No
69	GOM_TRA_1PNPDE20100128_042457_000000542086_00233_41369_7223.N1	28-JAN-2010 04:24:57	Tw_i_and_stray	54.000	120	1Del Oph	2.7340	3200.0	108	41369	No
70	GOM_TRA_1PNPDE20100128_042627_000000442086_00233_41369_7224.N1	28-JAN-2010 04:26:27	Tw_i_and_stray	44.000	86	35Eta Oph	2.4300	10200.	88	41369	No
71	GOM_TRA_1PNPDE20100128_043034_000000512086_00233_41369_7225.N1	28-JAN-2010 04:30:34	Dark	50.500	16	21Alp Sco	1.0200	3000.0	101	41369	No

72	GOM_TRA_1PNPDE20100128_043154_000000462086_00233_41369_7226.N1	28-JAN-2010 04:31:54	Dark	46.000	75	26Eps Sco	2.2910	4250.0	92	41369	No
73	GOM_TRA_1PNPDE20100128_043615_000000422086_00233_41369_7227.N1	28-JAN-2010 04:36:15	Dark	42.000	131	Gam Lup	2.8000	26000.	84	41369	No
74	GOM_TRA_1PNPDE20100128_043823_000000442086_00233_41369_7228.N1	28-JAN-2010 04:38:23	Dark	44.000	109	Bet Lup	2.6770	26000.	88	41369	No
75	GOM_TRA_1PNPDE20100128_043950_000000442086_00234_41370_7229.N1	28-JAN-2010 04:39:50	Dark	44.000	78	Alp Lup	2.3040	28000.	88	41370	No
76	GOM_TRA_1PNPDE20100128_044140_000000532086_00234_41370_7230.N1	28-JAN-2010 04:41:40	Dark	53.000	4	Alp1Cen	-0.010000	5800.0	106	41370	No
77	GOM_TRA_1PNPDE20100128_044322_000000402086_00234_41370_7231.N1	28-JAN-2010 04:43:22	Dark	40.000	77	Eps Cen	2.3030	28000.	80	41370	No
78	GOM_TRA_1PNPDE20100128_044615_000000422086_00234_41370_7232.N1	28-JAN-2010 04:46:15	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	41370	No
79	GOM_TRA_1PNPDE20100128_045024_000000412086_00234_41370_7233.N1	28-JAN-2010 04:50:24	Dark	40.500	159	Ups Car	2.9200	7200.0	81	41370	No
80	GOM_TRA_1PNPDE20100128_045219_000000442086_00234_41370_7234.N1	28-JAN-2010 04:52:19	Dark	44.000	71	lot Car	2.2460	7700.0	88	41370	No
81	GOM_TRA_1PNPDE20100128_045406_000000402086_00234_41370_7235.N1	28-JAN-2010 04:54:06	Dark	39.500	46	Del Vel	1.9540	10600.	79	41370	No
82	GOM_TRA_1PNPDE20100128_045640_000000432086_00234_41370_7236.N1	28-JAN-2010 04:56:40	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	41370	No
83	GOM_TRA_1PNPDE20100128_045846_000000412086_00234_41370_7237.N1	28-JAN-2010 04:58:46	Straylight	40.500	70	Zet Pup	2.2460	39000.	81	41370	No
84	GOM_TRA_1PNPDE20100128_050216_000000412086_00234_41370_7238.N1	28-JAN-2010 05:02:16	Straylight	41.000	88	31Eta CMa	2.4480	20000.	82	41370	No
85	GOM_TRA_1PNPDE20100128_051207_000000472086_00234_41370_7239.N1	28-JAN-2010 05:12:07	Tw_i_and_stray	47.000	8	10Alp CMi	0.40000	6500.0	94	41370	No
86	GOM_TRA_1PNPDE20100128_051526_000000392086_00234_41370_7240.N1	28-JAN-2010 05:15:26	Bright	38.500	44	24Gam Gem	1.9280	11000.	77	41370	No
87	GOM_TRA_1PNPDE20100128_051751_000000372086_00234_41370_7241.N1	28-JAN-2010 05:17:51	Bright	36.500	170	27Eps Gem	3.0000	9700.0	73	41370	No
88	GOM_TRA_1PNPDE20100128_051958_000000412086_00234_41370_7242.N1	28-JAN-2010 05:19:58	Bright	40.500	24	66Alp Gem	1.5800	10200.	81	41370	No
89	GOM_TRA_1PNPDE20100128_053601_000000522086_00234_41370_7243.N1	28-JAN-2010 05:36:01	Bright	52.000	49	1Alp UMi	1.9900	6300.0	104	41370	No
90	GOM_TRA_1PNPDE20100128_053921_000000372086_00234_41370_7244.N1	28-JAN-2010 05:39:21	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	41370	No
91	GOM_TRA_1PNPDE20100128_054359_000000432086_00234_41370_7244.N1	28-JAN-2010 05:43:59	Bright	42.500	119	14Eta Dra	2.7270	4700.0	85	41370	No
92	GOM_TRA_1PNPDE20100128_054701_000000352086_00234_41370_7245.N1	28-JAN-2010 05:47:01	Bright	34.500	130	23Bet Dra	2.7990	5800.0	69	41370	No
93	GOM_TRA_1PNPDE20100128_055334_000000412086_00234_41370_7246.N1	28-JAN-2010 05:53:34	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	41370	No
94	GOM_TRA_1PNPDE20100128_055701_000000622086_00234_41370_7247.N1	28-JAN-2010 05:57:01	Bright	62.000	127	27Bet Her	2.7810	4700.0	124	41370	No
95	GOM_TRA_1PNPDE20100128_055837_000000412086_00234_41370_7248.N1	28-JAN-2010 05:58:37	Bright	40.500	59	55Alp Oph	2.0800	8900.0	81	41370	No
96	GOM_TRA_1PNPDE20100128_060044_000000352086_00234_41370_7249.N1	28-JAN-2010 06:00:44	Bright	34.500	126	60Bet Oph	2.7700	4250.0	69	41370	No
97	GOM_TRA_1PNPDE20100128_060534_000000442086_00234_41370_7250.N1	28-JAN-2010 06:05:34	Tw_i_and_stray	44.000	120	1Del Oph	2.7340	3200.0	88	41370	No
98	GOM_TRA_1PNPDE20100128_060703_000000432086_00234_41370_7251.N1	28-JAN-2010 06:07:03	Tw_i_and_stray	43.000	86	35Eta Oph	2.4300	10200.	86	41370	No
99	GOM_TRA_1PNPDE20100128_061111_000000522086_00234_41370_7252.N1	28-JAN-2010 06:11:11	Dark	52.000	16	21Alp Sco	1.0200	3000.0	104	41370	No
100	GOM_TRA_1PNPDE20100128_061230_000000452086_00234_41370_7253.N1	28-JAN-2010 06:12:30	Dark	44.500	75	26Eps Sco	2.2910	4250.0	89	41370	No
101	GOM_TRA_1PNPDE20100128_061652_000000402086_00234_41370_7254.N1	28-JAN-2010 06:16:52	Dark	40.000	131	Gam Lup	2.8000	26000.	80	41370	No
102	GOM_TRA_1PNPDE20100128_061900_000000442086_00234_41370_7255.N1	28-JAN-2010 06:19:00	Dark	43.500	109	Bet Lup	2.6770	26000.	87	41370	No
103	GOM_TRA_1PNPDE20100128_062027_000000432086_00235_41371_7256.N1	28-JAN-2010 06:20:27	Dark	42.500	78	Alp Lup	2.3040	28000.	85	41371	No
104	GOM_TRA_1PNPDE20100128_062216_000000552086_00235_41371_7257.N1	28-JAN-2010 06:22:16	Dark	54.500	4	Alp1Cen	-0.010000	5800.0	109	41371	No
105	GOM_TRA_1PNPDE20100128_062359_000000432086_00235_41371_7258.N1	28-JAN-2010 06:23:59	Dark	43.000	77	Eps Cen	2.3030	28000.	86	41371	No
106	GOM_TRA_1PNPDE20100128_062651_000000412086_00235_41371_7259.N1	28-JAN-2010 06:26:51	Dark	40.500	12	Alp1Cru	0.77500	30000.	81	41371	No
107	GOM_TRA_1PNPDE20100128_063101_000000382086_00235_41371_7260.N1	28-JAN-2010 06:31:01	Dark	38.000	159	Ups Car	2.9200	7200.0	76	41371	No
108	GOM_TRA_1PNPDE20100128_063255_000000462086_00235_41371_7261.N1	28-JAN-2010 06:32:55	Dark	45.500	71	lot Car	2.2460	7700.0	91	41371	No
109	GOM_TRA_1PNPDE20100128_063442_000000452086_00235_41371_7262.N1	28-JAN-2010 06:34:42	Dark	44.500	46	Del Vel	1.9540	10600.	89	41371	No
110	GOM_TRA_1PNPDE20100128_063716_000000412086_00235_41371_7263.N1	28-JAN-2010 06:37:16	Dark	40.500	34	Gam2Vel	1.7930	23000.	81	41371	No
111	GOM_TRA_1PNPDE20100128_063922_000000402086_00235_41371_7264.N1	28-JAN-2010 06:39:22	Straylight	40.000	70	Zet Pup	2.2460	39000.	80	41371	No
112	GOM_TRA_1PNPDE20100128_064253_000000392086_00235_41371_7265.N1	28-JAN-2010 06:42:53	Straylight	39.000	88	31Eta CMa	2.4480	20000.	78	41371	No
113	GOM_TRA_1PNPDE20100128_065243_000000492086_00235_41371_7266.N1	28-JAN-2010 06:52:43	Tw_i_and_stray	49.000	8	10Alp CMi	0.40000	6500.0	98	41371	No
114	GOM_TRA_1PNPDE20100128_065602_000000522086_00235_41371_7267.N1	28-JAN-2010 06:56:02	Bright	52.000	44	24Gam Gem	1.9280	11000.	104	41371	No
115	GOM_TRA_1PNPDE20100128_065827_000000522086_00235_41371_7268.N1	28-JAN-2010 06:58:27	Bright	52.000	170	27Eps Gem	3.0000	9700.0	104	41371	No
116	GOM_TRA_1PNPDE20100128_070034_000000392086_00235_41371_7269.N1	28-JAN-2010 07:00:34	Bright	39.000	24	66Alp Gem	1.5800	10200.	78	41371	No
117	GOM_TRA_1PNPDE20100128_071637_000000362086_00235_41371_7270.N1	28-JAN-2010 07:16:37	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	41371	No
118	GOM_TRA_1PNPDE20100128_071957_000000402086_00235_41371_7271.N1	28-JAN-2010 07:19:57	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	41371	No
119	GOM_TRA_1PNPDE20100128_212744_000000412086_00244_41380_7343.N1	28-JAN-2010 21:27:44	Dark	41.000	4	Alp1Cen	-0.010000	5800.0	82	41380	No
120	GOM_TRA_1PNPDE20100128_212929_000000442086_00244_41380_7344.N1	28-JAN-2010 21:29:29	Dark	43.500	77	Eps Cen	2.3030	28000.	87	41380	No
121	GOM_TRA_1PNPDE20100128_213219_000000422086_00244_41380_7345.N1	28-JAN-2010 21:32:19	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	41380	No
122	GOM_TRA_1PNPDE20100128_213409_000000442086_00244_41380_7346.N1	28-JAN-2010 21:34:09	Dark	44.000	99	Del Cen	2.5750	26000.	88	41380	No
123	GOM_TRA_1PNPDE20100128_213627_000000382086_00244_41380_7347.N1	28-JAN-2010 21:36:27	Dark	38.000	159	Ups Car	2.9200	7200.0	76	41380	No
124	GOM_TRA_1PNPDE20100128_213822_000000432086_00244_41380_7348.N1	28-JAN-2010 21:38:22	Dark	43.000	71	lot Car	2.2460	7700.0	86	41380	No
125	GOM_TRA_1PNPDE20100128_214008_000000422086_00244_41380_7349.N1	28-JAN-2010 21:40:08	Dark	41.500	46	Del Vel	1.9540	10600.	83	41380	No
126	GOM_TRA_1PNPDE20100128_214242_000000402086_00244_41380_7350.N1	28-JAN-2010 21:42:42	Dark	40.000	34	Gam2Vel	1.7930	23000.	80	41380	No
127	GOM_TRA_1PNPDE20100128_214447_000000412086_00244_41380_7351.N1	28-JAN-2010 21:44:47	Straylight	40.500	70	Zet Pup	2.2460	39000.	81	41380	No
128	GOM_TRA_1PNPDE20100128_214817_000000402086_00244_41380_7352.N1	28-JAN-2010 21:48:17	Straylight	40.000	88	31Eta CMa	2.4480	20000.	80	41380	No
129	GOM_TRA_1PNPDE20100128_215806_000000452086_00244_41380_7353.N1	28-JAN-2010 21:58:06	Tw_i_and_stray	45.000	8	10Alp CMi	0.40000	6500.0	90	41380	No
130	GOM_TRA_1PNPDE20100128_220127_000000402086_00244_41380_7354.N1	28-JAN-2010 22:01:27	Bright	39.500	44	24Gam Gem	1.9280	11000.	79	41380	No

131	GOM_TRA_1PNPDE20100128_220351_000000382086_00244_41380_7355.N1	28-JAN-2010 22:03:51	Bright	38.000	170	27Eps Gem	3.0000	9700.0	76	41380	No
132	GOM_TRA_1PNPDE20100128_220555_000000402086_00244_41380_7356.N1	28-JAN-2010 22:05:55	Bright	40.000	24	66Alp Gem	1.5800	10200.	80	41380	No
133	GOM_TRA_1PNPDE20100128_222200_000000352086_00244_41380_7357.N1	28-JAN-2010 22:22:00	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	41380	No
134	GOM_TRA_1PNPDE20100128_222518_000000412086_00244_41380_7358.N1	28-JAN-2010 22:25:18	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	41380	No
135	GOM_TRA_1PNPDE20100128_222957_000000372086_00244_41380_7359.N1	28-JAN-2010 22:29:57	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	41380	No
136	GOM_TRA_1PNPDE20100128_223300_000000392086_00244_41380_7360.N1	28-JAN-2010 22:33:00	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	41380	No
137	GOM_TRA_1PNPDE20100128_223632_000000332086_00244_41380_7361.N1	28-JAN-2010 22:36:32	Bright	33.000	5	3Alp Lyr	0.033000	11000.	66	41380	No
138	GOM_TRA_1PNPDE20100128_223934_000000602086_00244_41380_7362.N1	28-JAN-2010 22:39:34	Bright	60.000	133	40Zet Her	2.8070	6000.0	120	41380	No
139	GOM_TRA_1PNPDE20100128_224439_000000542086_00244_41380_7363.N1	28-JAN-2010 22:44:39	Bright	54.000	59	55Alp Oph	2.0800	8900.0	108	41380	No
140	GOM_TRA_1PNPDE20100128_224646_000000532086_00244_41380_7364.N1	28-JAN-2010 22:46:46	Bright	53.000	126	60Bet Oph	2.7700	4250.0	106	41380	No
141	GOM_TRA_1PNPDE20100128_225307_000000442086_00244_41380_7365.N1	28-JAN-2010 22:53:07	Twilight	43.500	86	35Eta Oph	2.4300	10200.	87	41380	No
142	GOM_TRA_1PNPDE20100128_225716_000000512086_00244_41380_7361.N1	28-JAN-2010 22:57:16	Dark	50.500	16	21Alp Sco	1.0200	3000.0	101	41380	No
143	GOM_TRA_1PNPDE20100128_230259_000000412086_00244_41380_7362.N1	28-JAN-2010 23:02:59	Dark	41.000	131	Gam Lup	2.8000	26000.	82	41380	No
144	GOM_TRA_1PNPDE20100128_230820_000000412086_00245_41381_7363.N1	28-JAN-2010 23:08:20	Dark	41.000	4	Alp1Cen	-0.010000	5800.0	82	41381	No
145	GOM_TRA_1PNPDE20100128_231006_000000432086_00245_41381_7364.N1	28-JAN-2010 23:10:06	Dark	43.000	77	Eps Cen	2.3030	28000.	86	41381	No
146	GOM_TRA_1PNPDE20100128_231255_000000422086_00245_41381_7365.N1	28-JAN-2010 23:12:55	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	41381	No
147	GOM_TRA_1PNPDE20100128_231445_000000452086_00245_41381_7366.N1	28-JAN-2010 23:14:45	Dark	45.000	99	Del Cen	2.5750	26000.	90	41381	No
148	GOM_TRA_1PNPDE20100128_231703_000000382086_00245_41381_7367.N1	28-JAN-2010 23:17:03	Dark	38.000	159	Ups Car	2.9200	7200.0	76	41381	No
149	GOM_TRA_1PNPDE20100128_231858_000000442086_00245_41381_7368.N1	28-JAN-2010 23:18:58	Dark	43.500	71	lot Car	2.2460	7700.0	87	41381	No
150	GOM_TRA_1PNPDE20100128_232044_000000412086_00245_41381_7369.N1	28-JAN-2010 23:20:44	Dark	41.000	46	Del Vel	1.9540	10600.	82	41381	No
151	GOM_TRA_1PNPDE20100128_232318_000000432086_00245_41381_7370.N1	28-JAN-2010 23:23:18	Dark	42.500	34	Gam2Vel	1.7930	23000.	85	41381	No
152	GOM_TRA_1PNPDE20100128_232523_000000412086_00245_41381_7371.N1	28-JAN-2010 23:25:23	Straylight	41.000	70	Zet Pup	2.2460	39000.	82	41381	No
153	GOM_TRA_1PNPDE20100128_232853_000000382086_00245_41381_7372.N1	28-JAN-2010 23:28:53	Straylight	38.000	88	31Eta CMa	2.4480	20000.	76	41381	No
154	GOM_TRA_1PNPDE20100128_233842_000000482086_00245_41381_7373.N1	28-JAN-2010 23:38:42	Twilight	47.500	8	10Alp CMi	0.40000	6500.0	95	41381	No
155	GOM_TRA_1PNPDE20100128_234203_000000402086_00245_41381_7374.N1	28-JAN-2010 23:42:03	Bright	39.500	44	24Gam Gem	1.9280	11000.	79	41381	No
156	GOM_TRA_1PNPDE20100128_234426_000000382086_00245_41381_7375.N1	28-JAN-2010 23:44:26	Bright	38.000	170	27Eps Gem	3.0000	9700.0	76	41381	No
157	GOM_TRA_1PNPDE20100128_234631_000000392086_00245_41381_7376.N1	28-JAN-2010 23:46:31	Bright	39.000	24	66Alp Gem	1.5800	10200.	78	41381	No

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



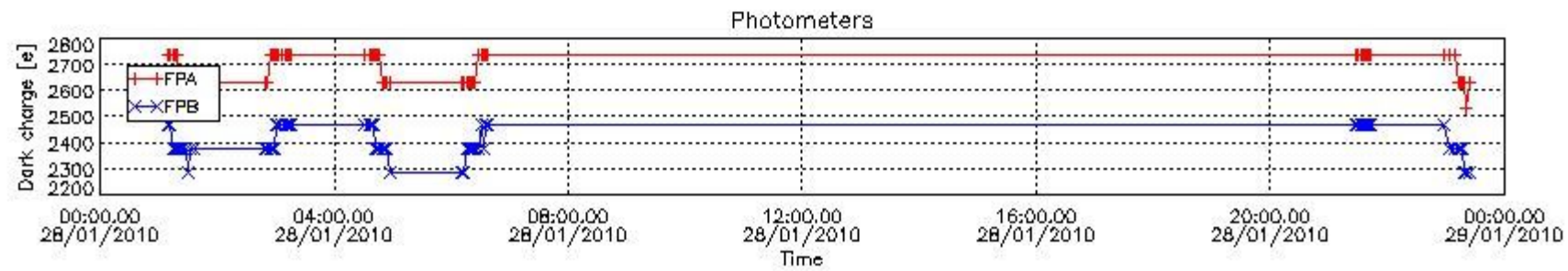
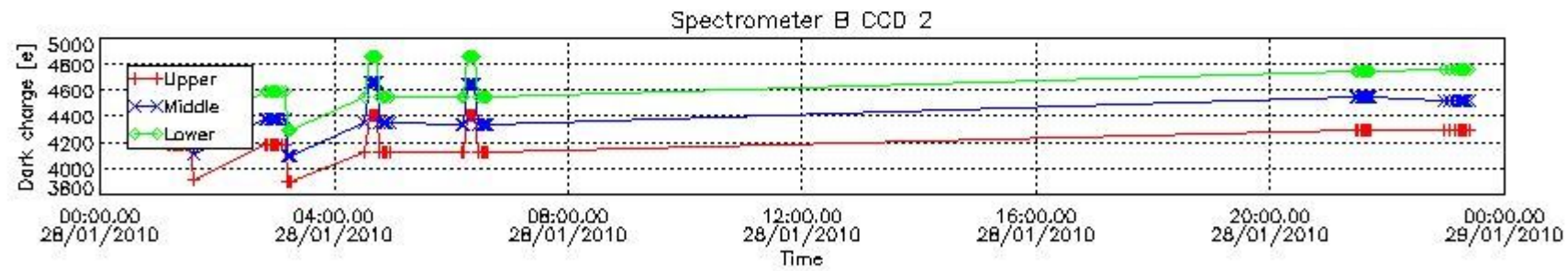
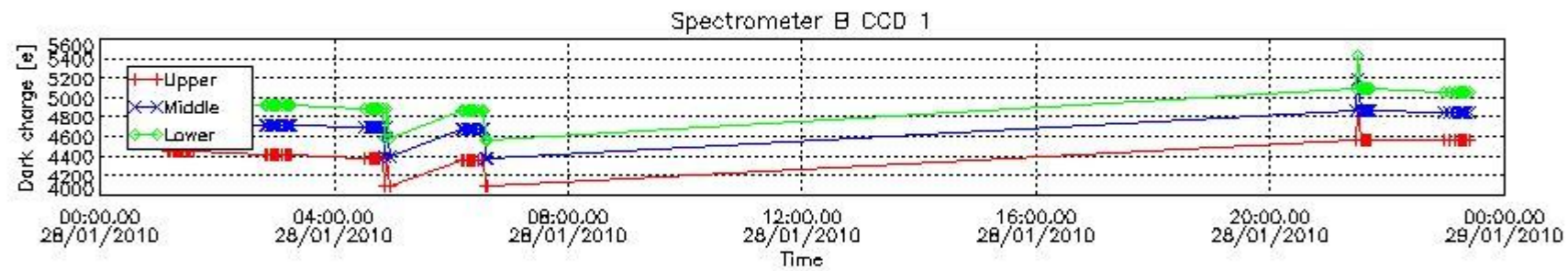
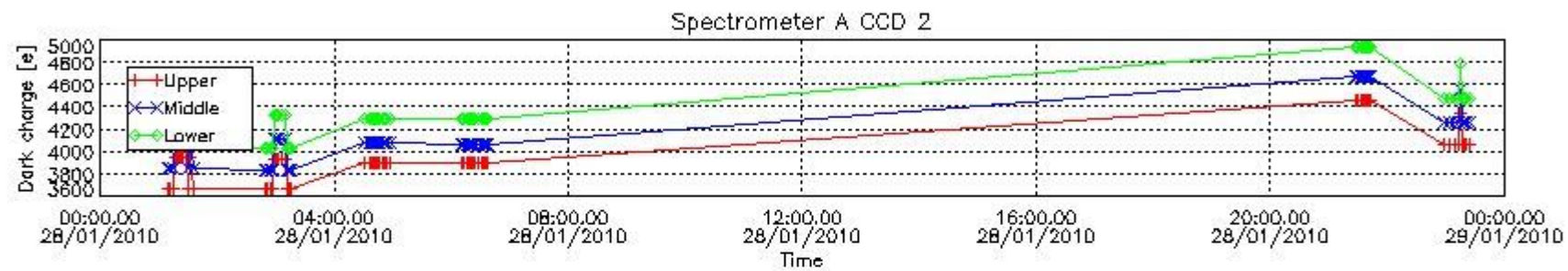
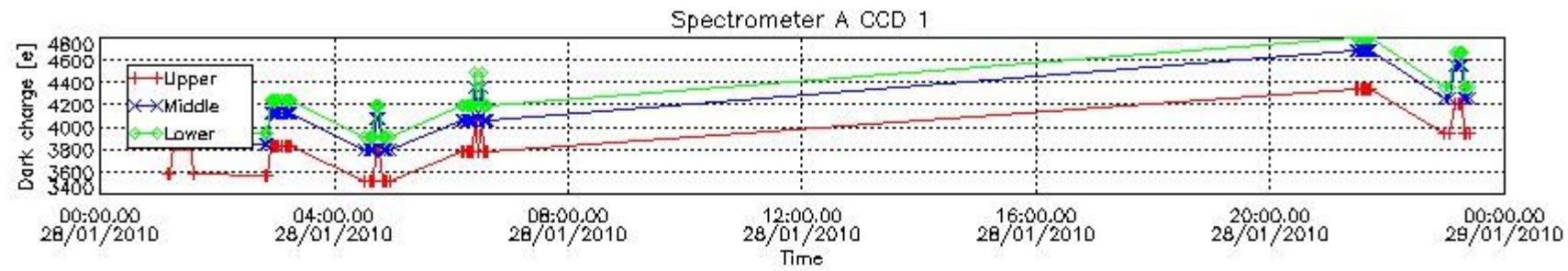
4. Overview of dark signal processing per product

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

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

4.1 All products used the DSA observation for the DC computation

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



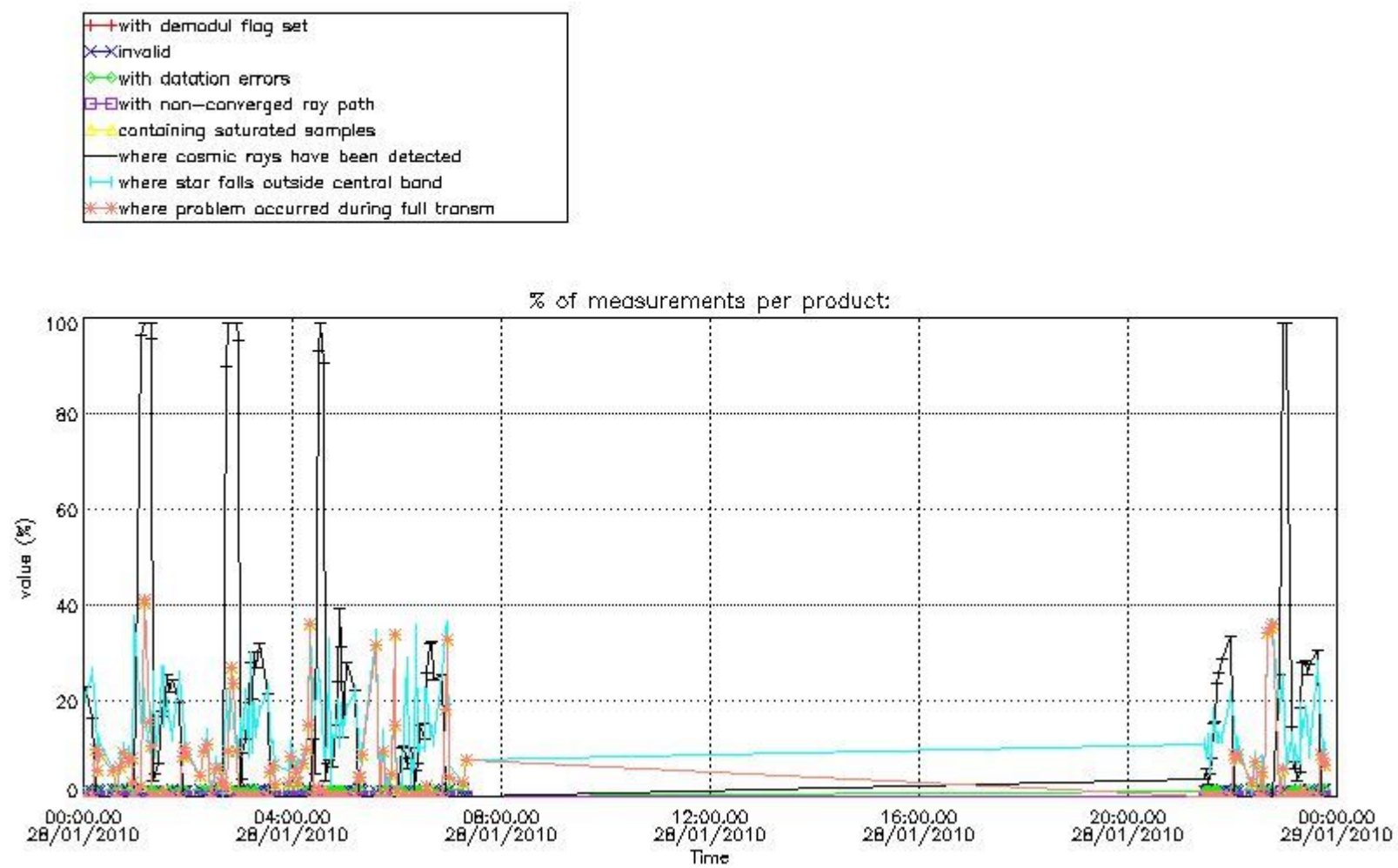
5. Demodulation flag and quality information monitoring

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

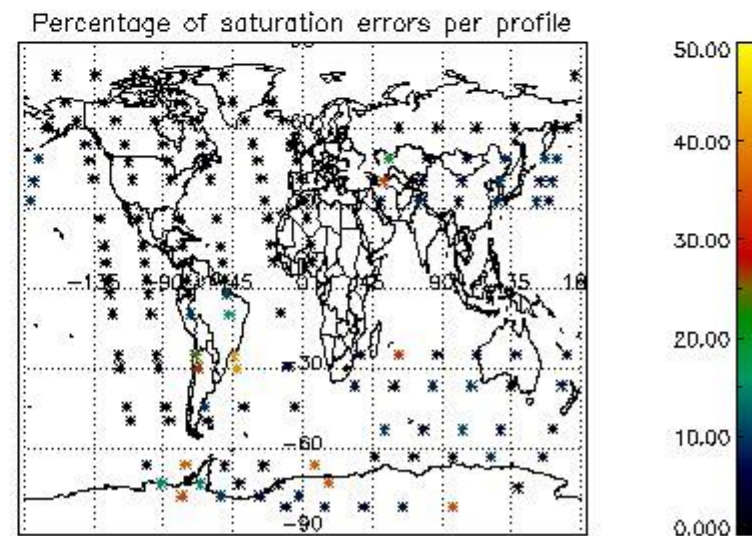
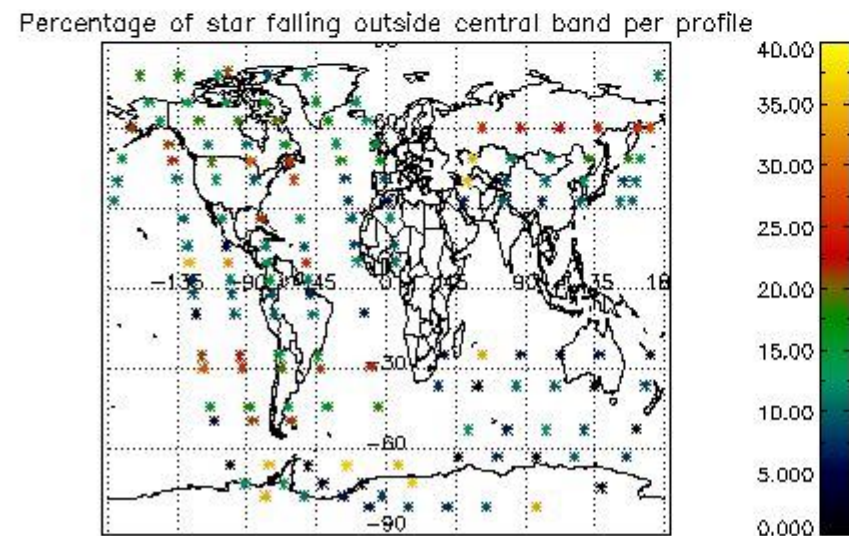
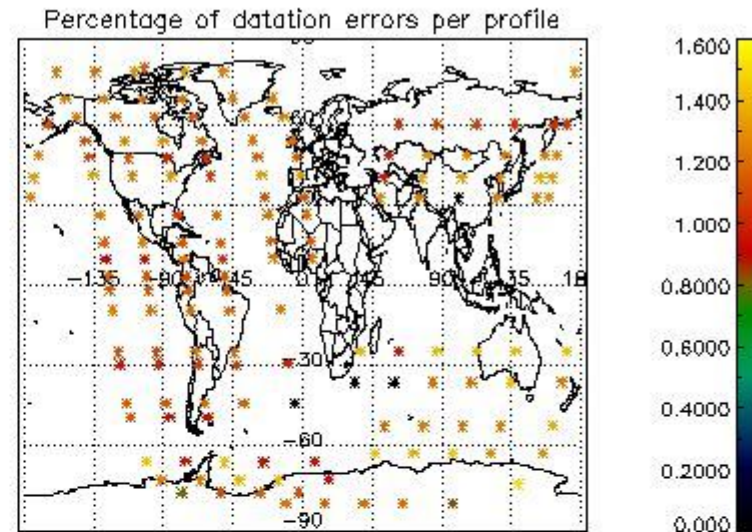
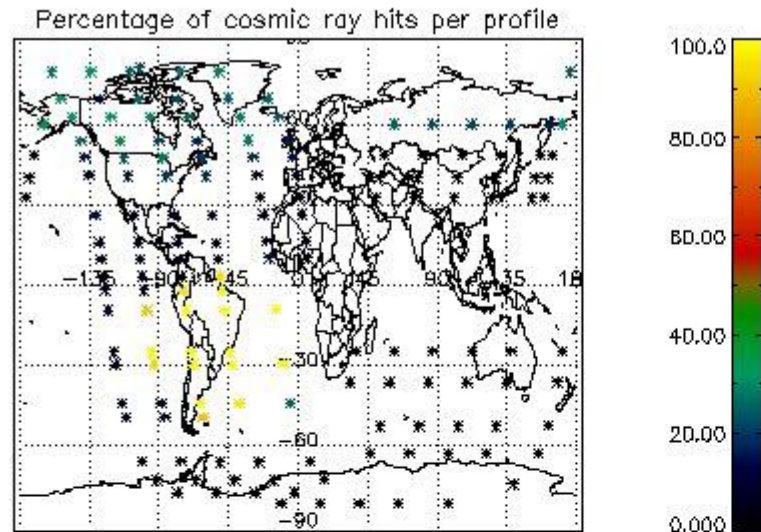
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	40.1274 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



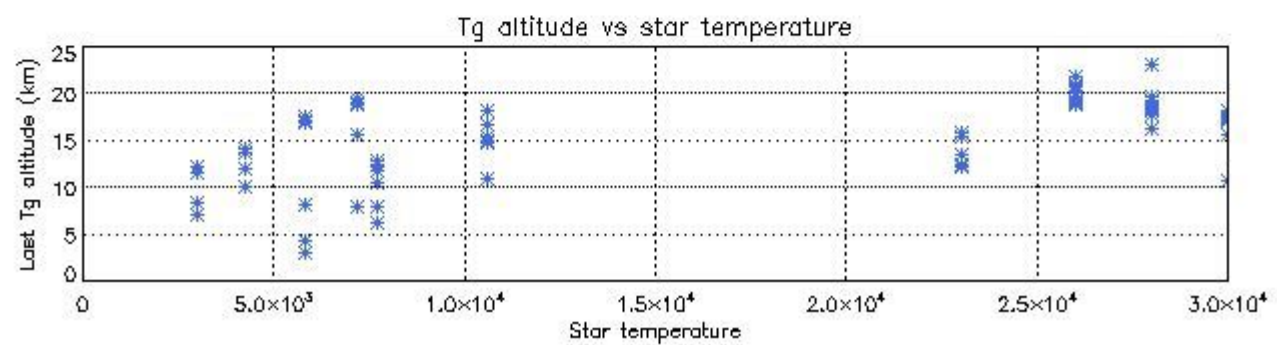
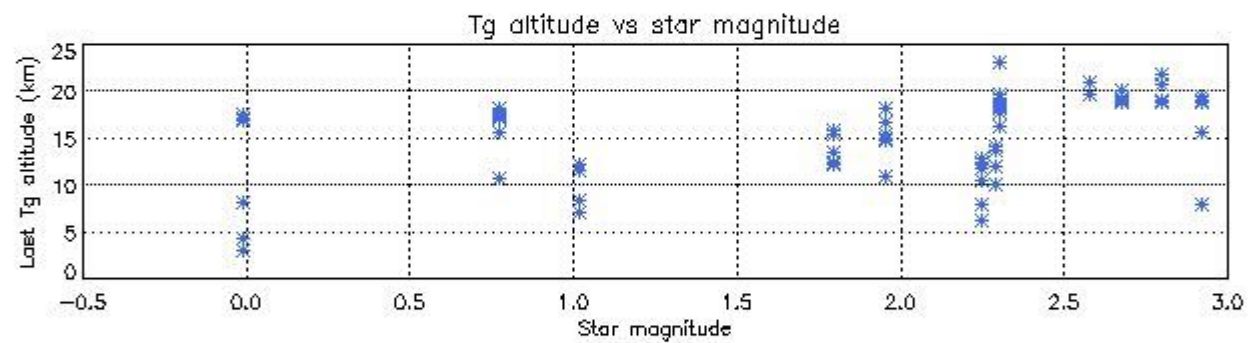
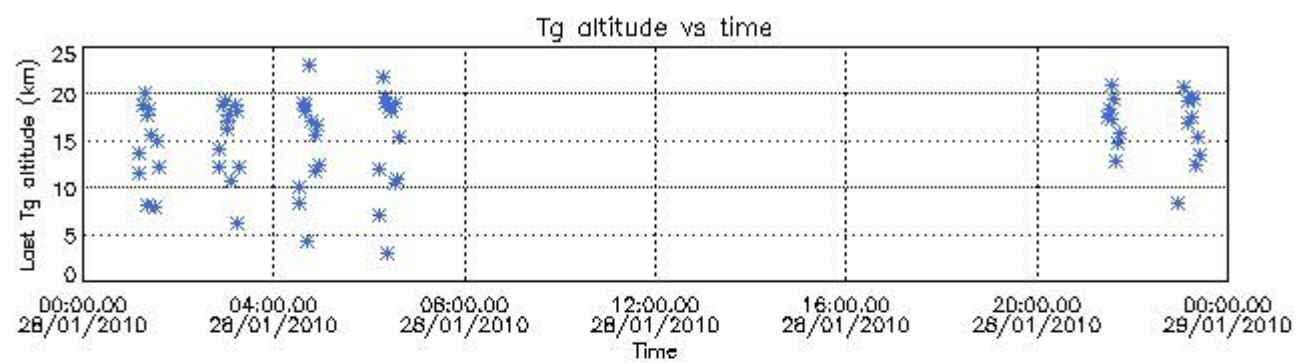
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.116	17.313	NaN
St. deviation:	4.5359	6.4575	NaN
Maximum:	23.025	30.564	NaN
Minimum:	3.0751	3.6503	NaN
Number of data:	66.000	63.000	NaN

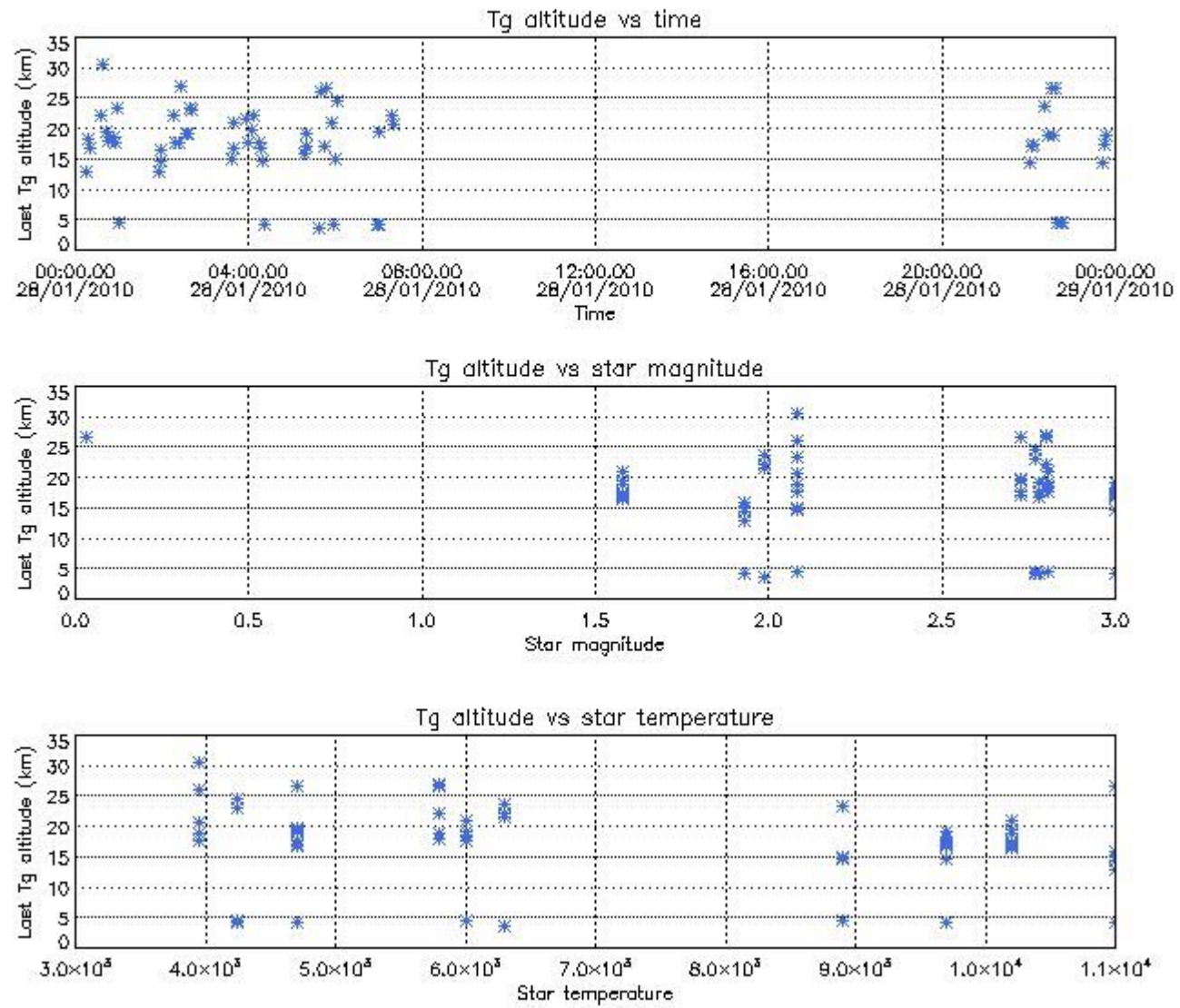
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

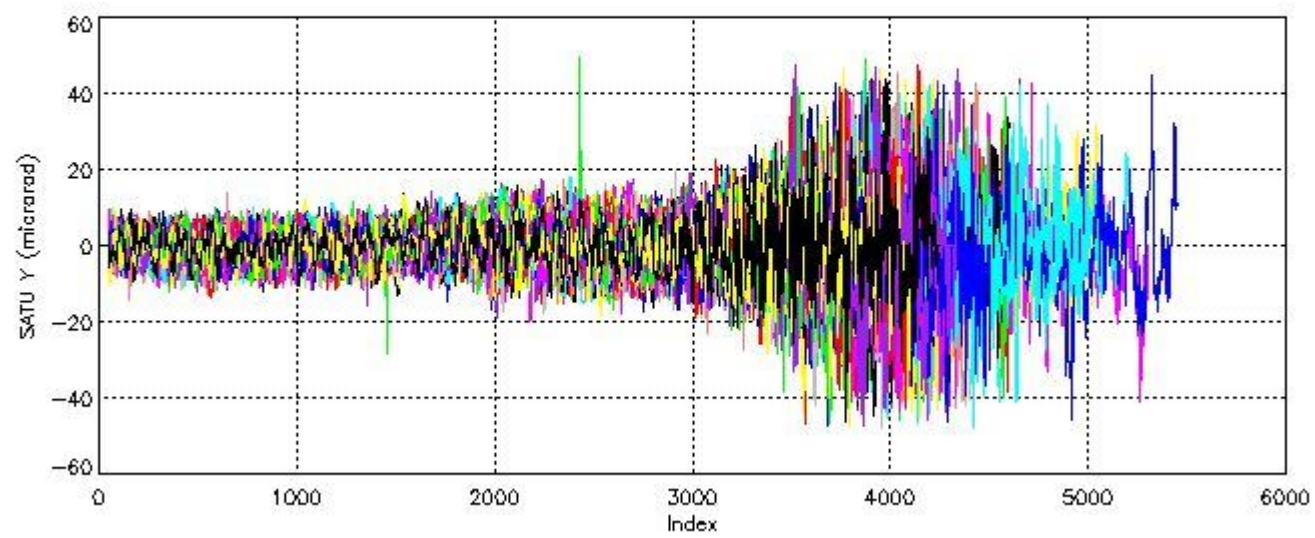
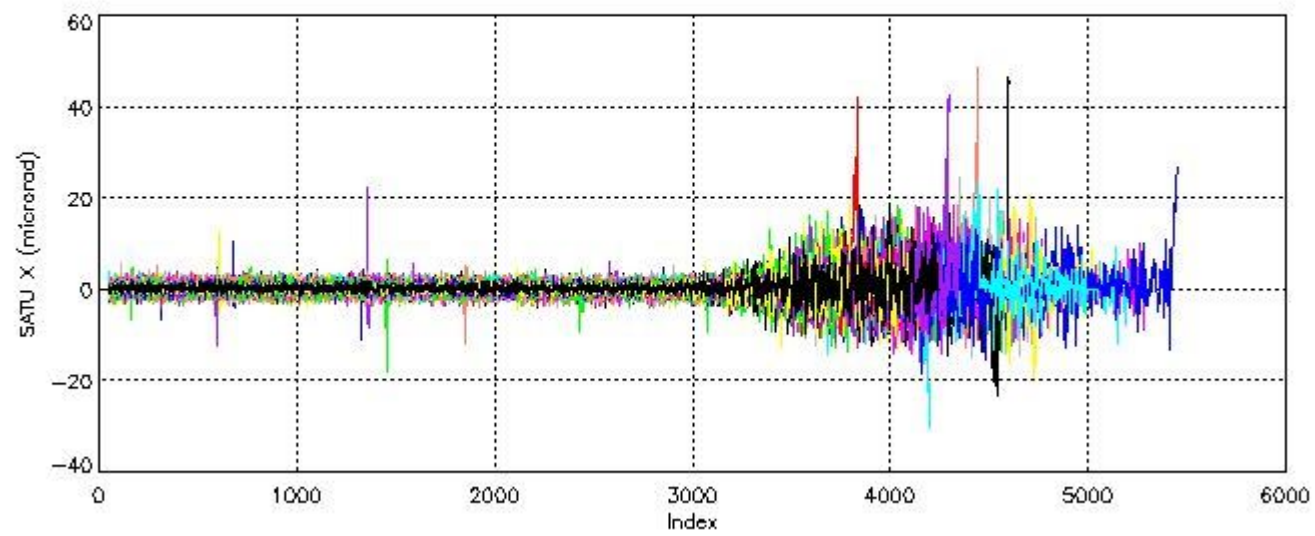


7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

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

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

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.14743	-0.44550	0.073094	-0.41583
St. deviation:	0.62665	3.0690	0.62773	2.9474
Maximum:	12.600	13.500	3.7000	10.700
Minimum:	-12.200	-14.200	-3.2000	-15.200

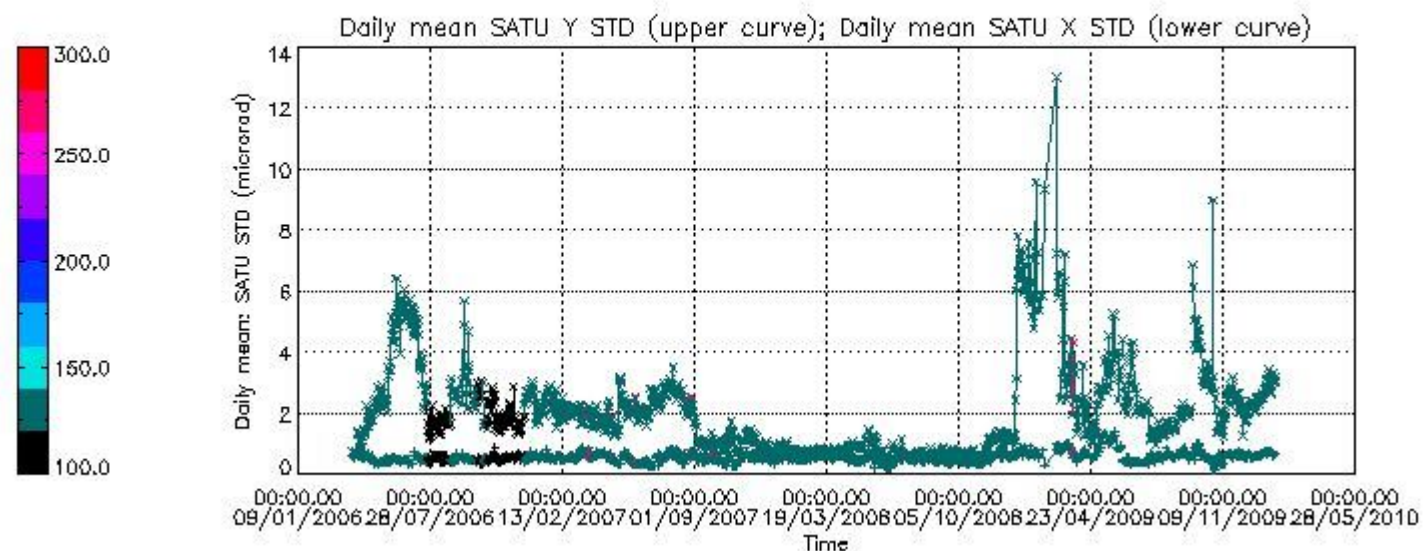
Number of data:	62150.	62150.	55900.	55900.
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7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

The long term trend of the SATU 'X' and 'Y' standard deviations should be constant during the whole mission.

The colorbar represents the start tangent altitude (km) of the occultations.

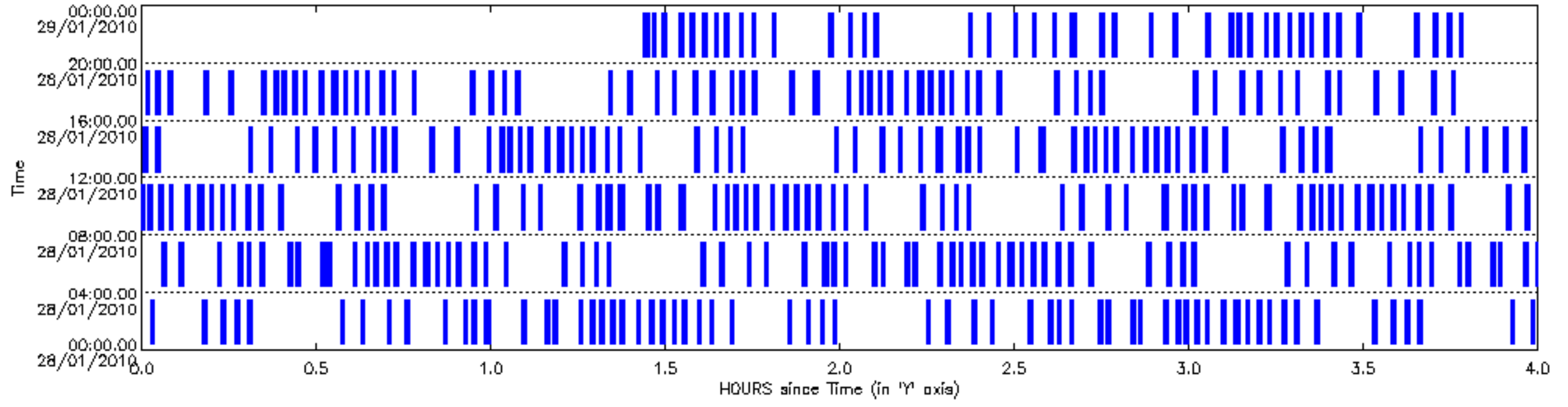
Upper curve: STD of SATU Y axis
Lower curve: STD of SATU X axis

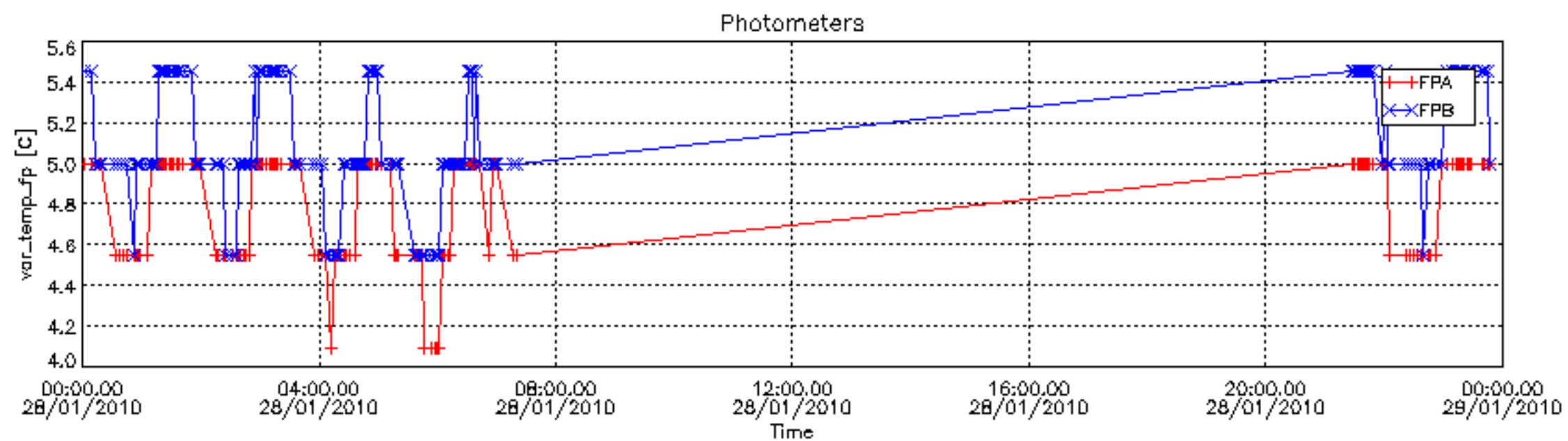
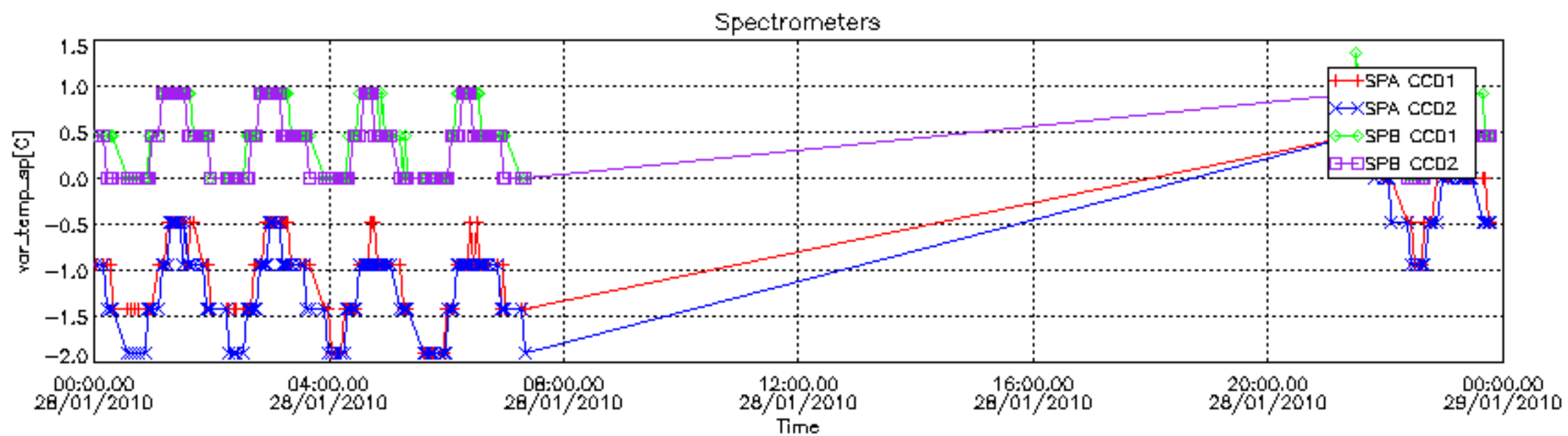


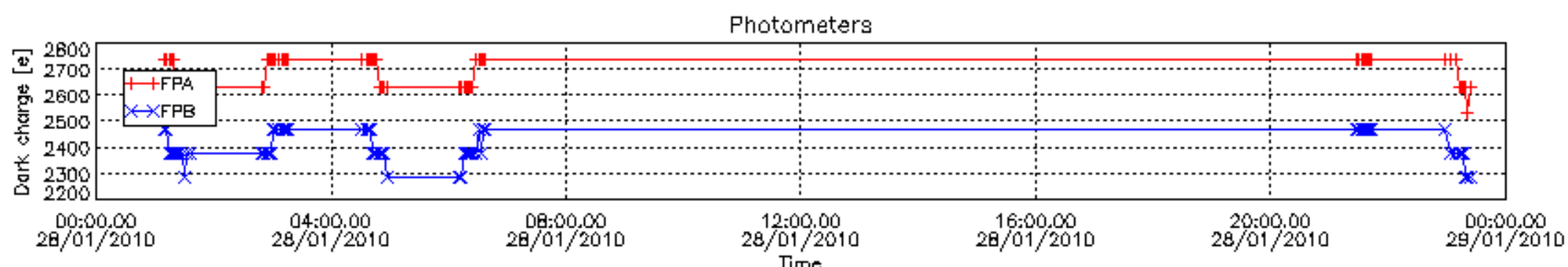
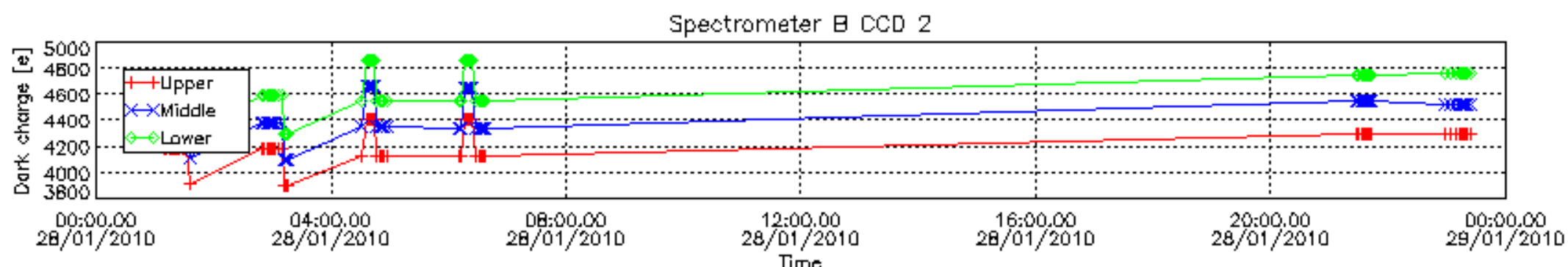
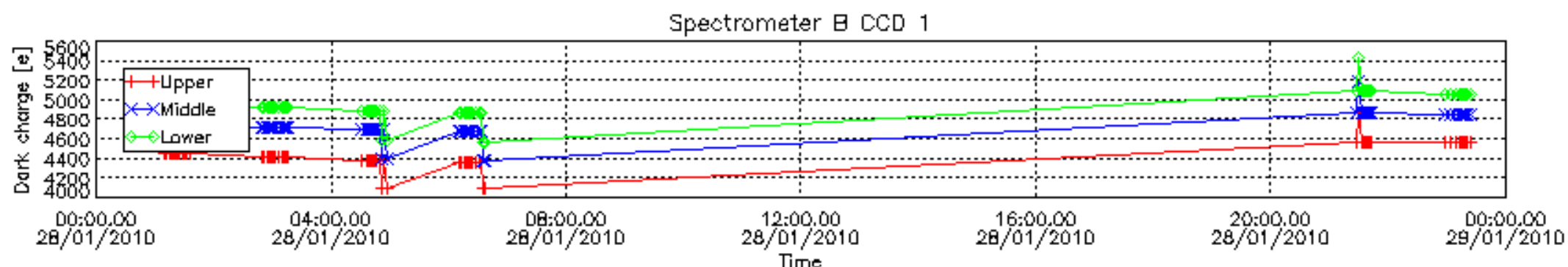
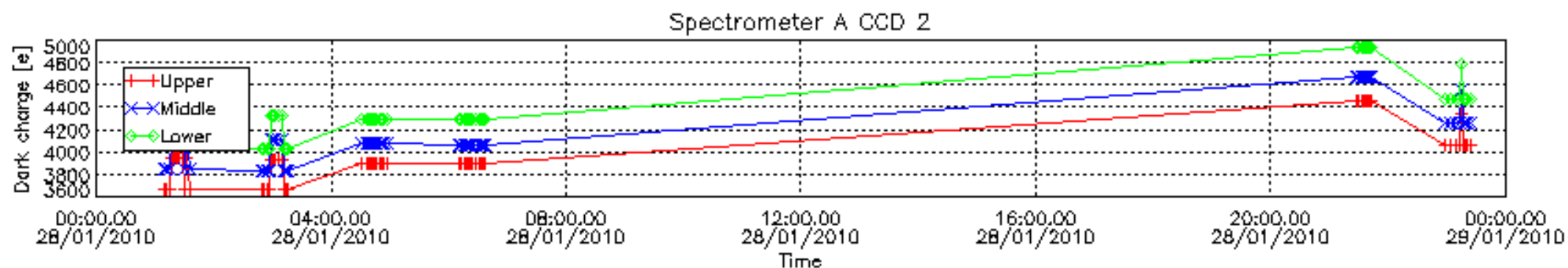
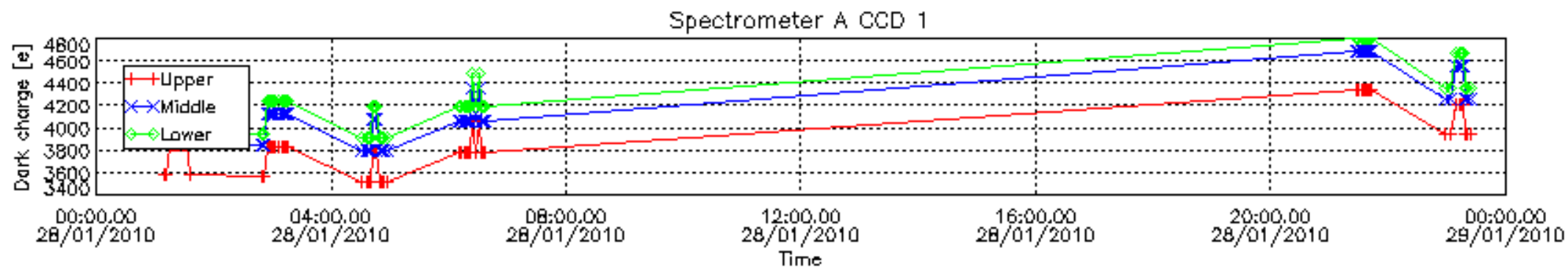
8. Auxiliary Data Files used for the production reported in section 2.4

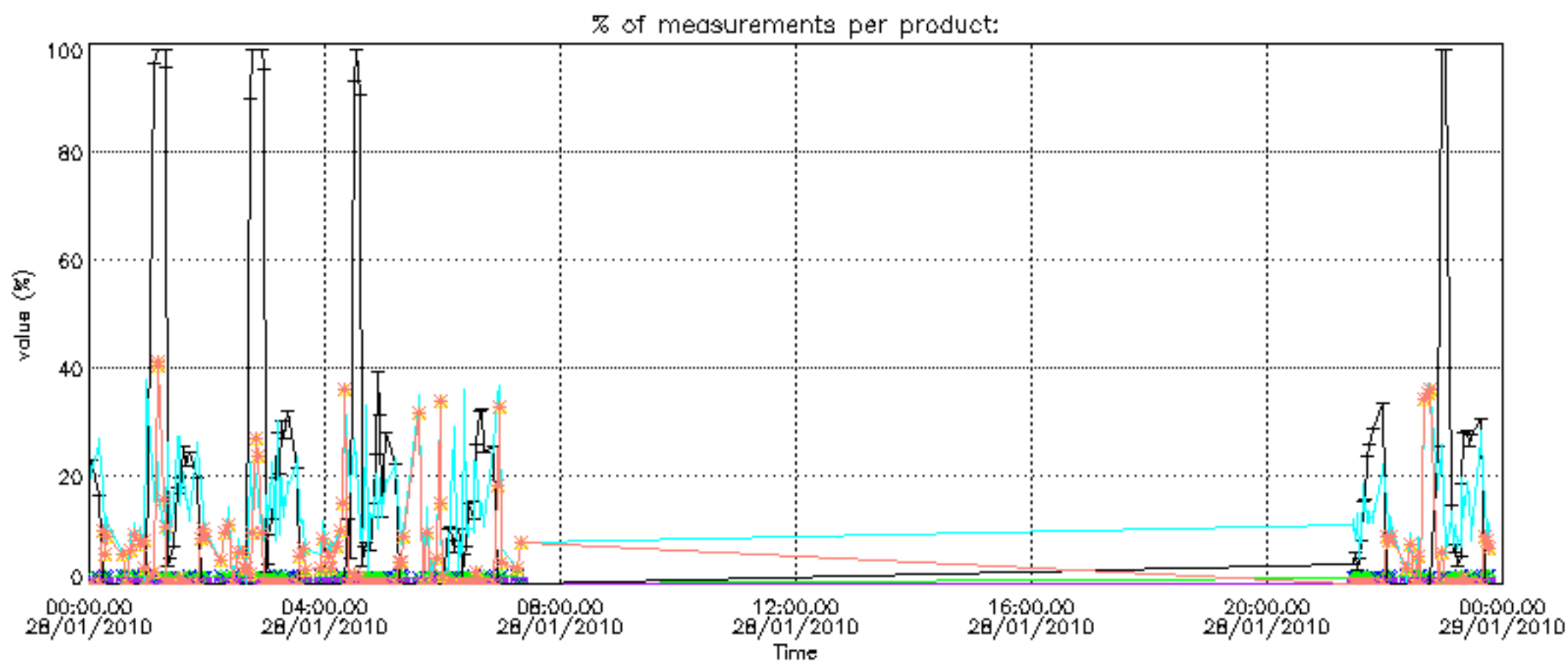
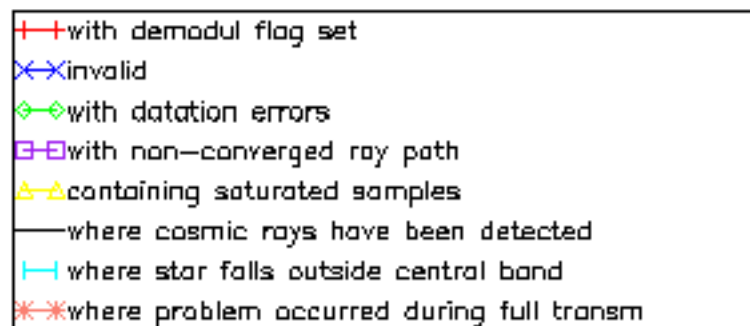
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	28-JAN-2010 00:01:27
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100127_093029_20100125_000000_20500101_000000	1	28-JAN-2010 00:01:27
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	28-JAN-2010 00:01:27
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	28-JAN-2010 00:01:27
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	28-JAN-2010 00:01:27
ECMWF_FILE	AUX_ECF_AXNECM20100127_062115_20100127_210000_20100128_090000	1	28-JAN-2010 00:01:27
ECMWF_FILE	AUX_ECF_AXNECM20100127_182117_20100128_030000_20100128_150000	61	28-JAN-2010 03:55:26
ECMWF_FILE	AUX_ECA_AXNECM20100128_060116_20100127_210000_20100128_090000	91	28-JAN-2010 05:43:59
ECMWF_FILE	AUX_ECF_AXNECM20100128_062115_20100128_210000_20100129_090000	119	28-JAN-2010 21:27:44
OPTIONAL_ECMWF_FILE	MISSING	1	28-JAN-2010 00:01:27
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100127_232059_000057382086_00230_41366_9653.N1	1	28-JAN-2010 00:01:27
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100128_010156_000092452086_00231_41367_9654.N1	14	28-JAN-2010 01:05:14
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100128_034119_000066952086_00233_41369_9655.N1	61	28-JAN-2010 03:55:26
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100128_053813_000057382086_00234_41370_9656.N1	91	28-JAN-2010 05:43:59
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100128_210242_000063762086_00243_41379_9658.N1	119	28-JAN-2010 21:27:44
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100128_224858_000057382086_00244_41380_9659.N1	142	28-JAN-2010 22:57:16

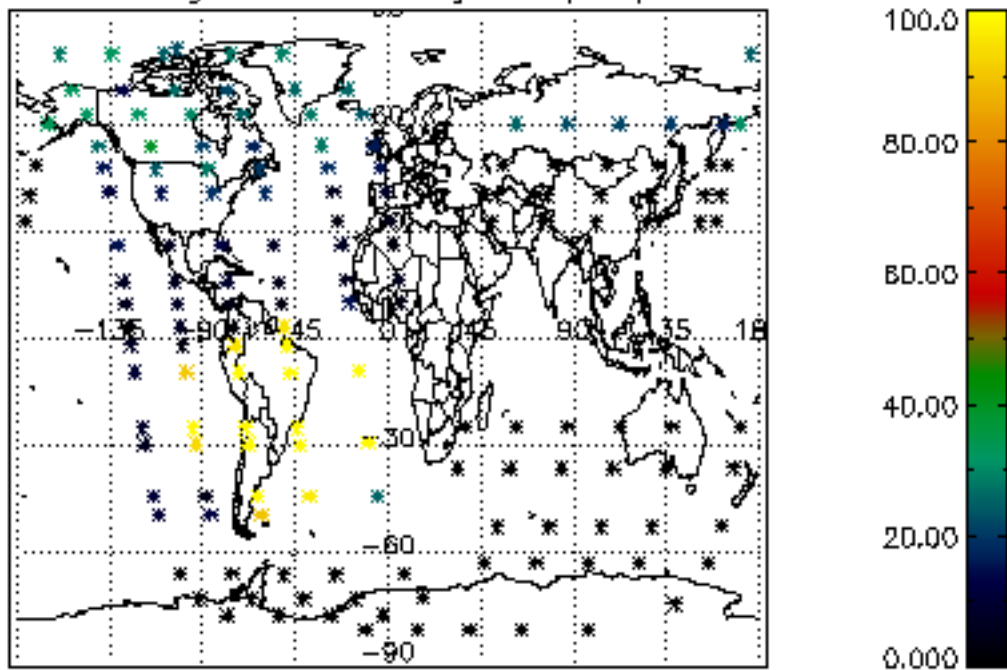




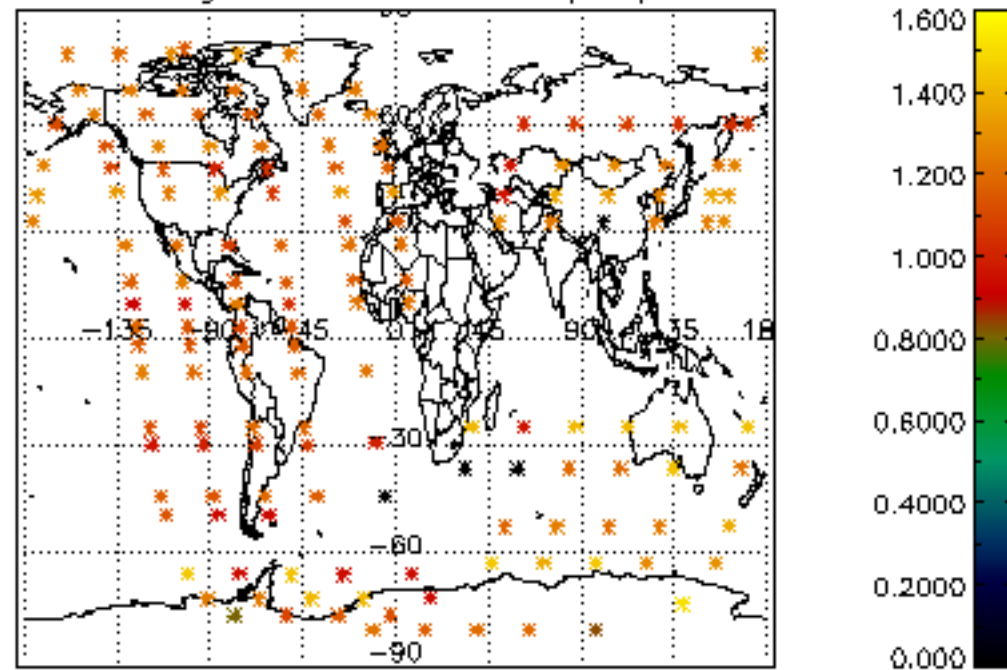




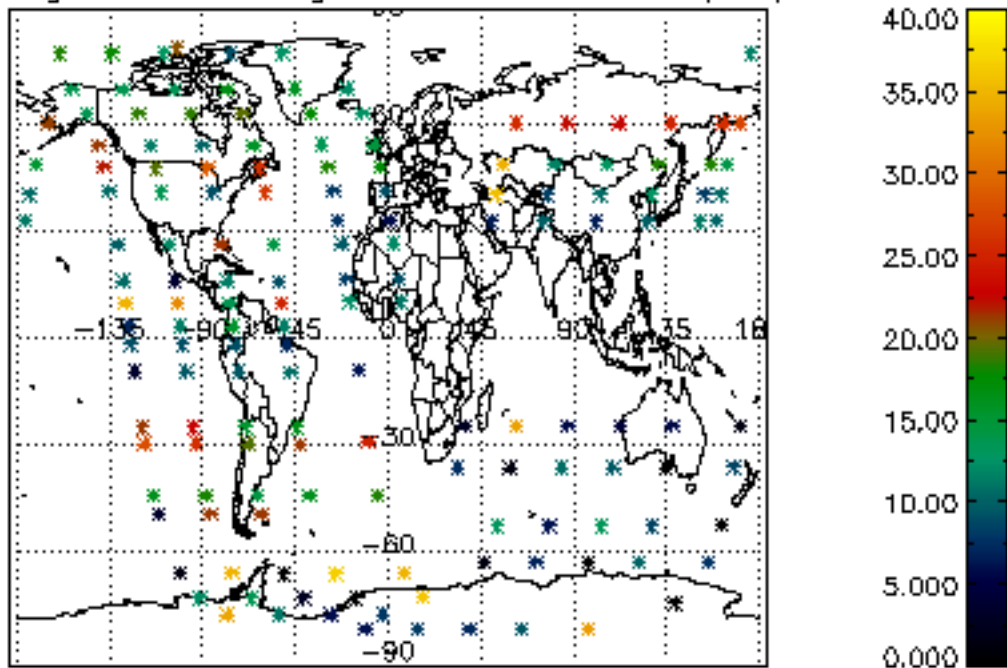
Percentage of cosmic ray hits per profile



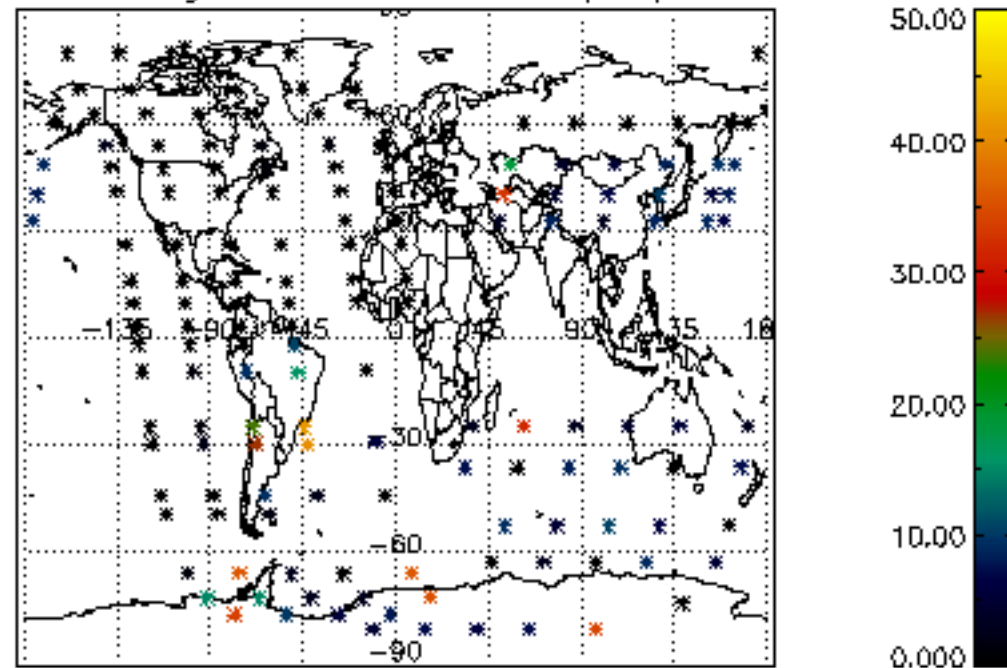
Percentage of datation errors per profile



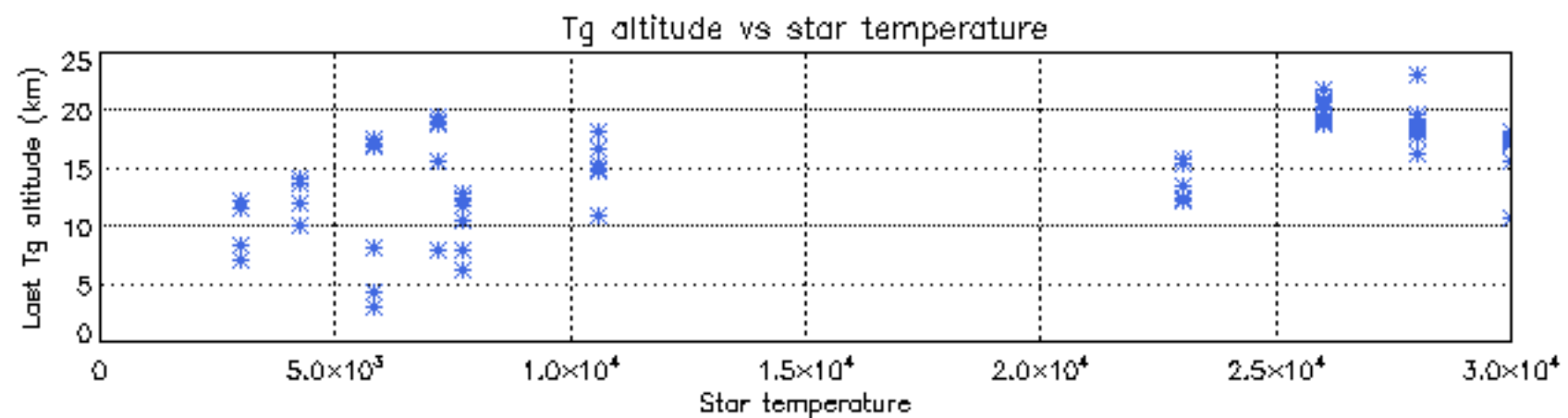
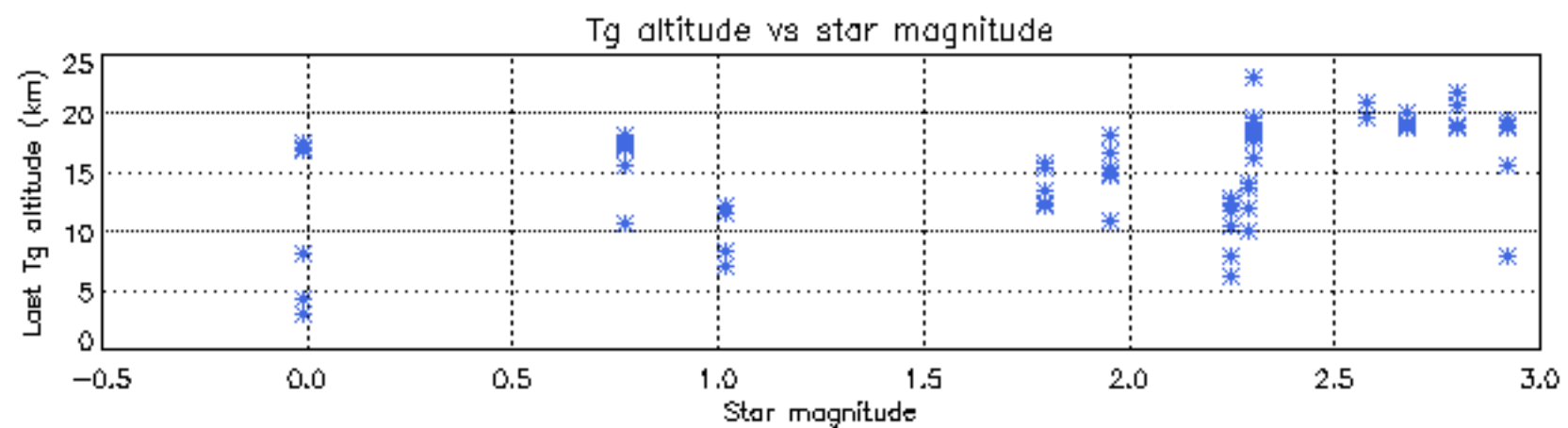
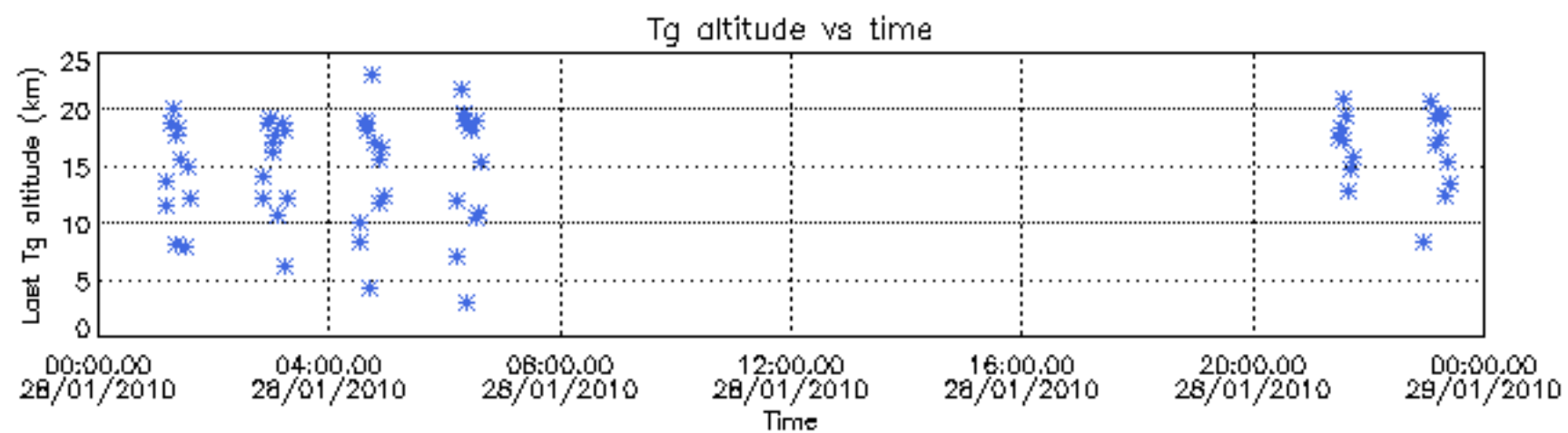
Percentage of star falling outside central band per profile



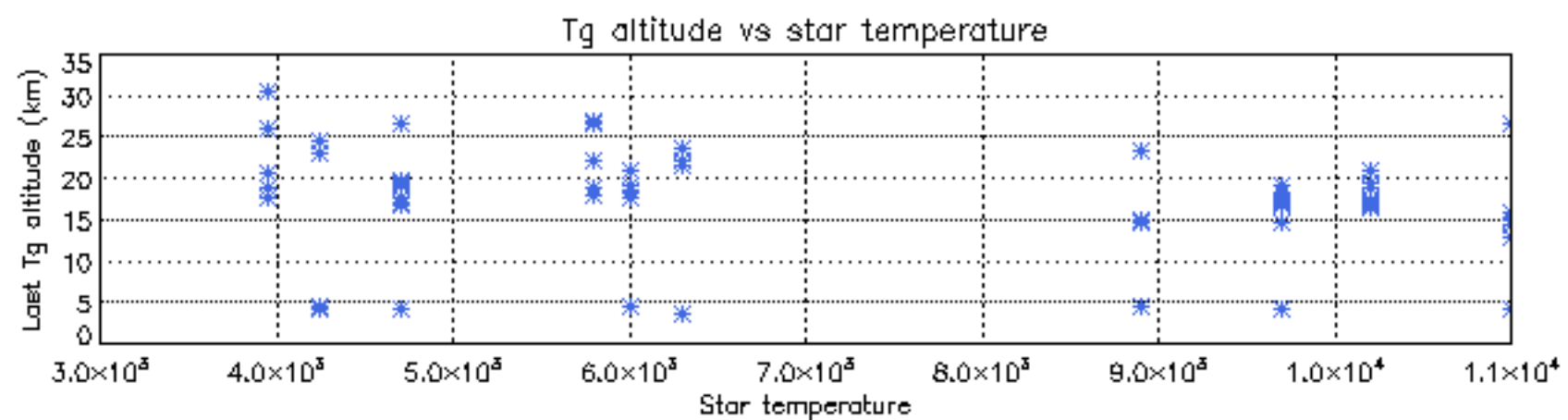
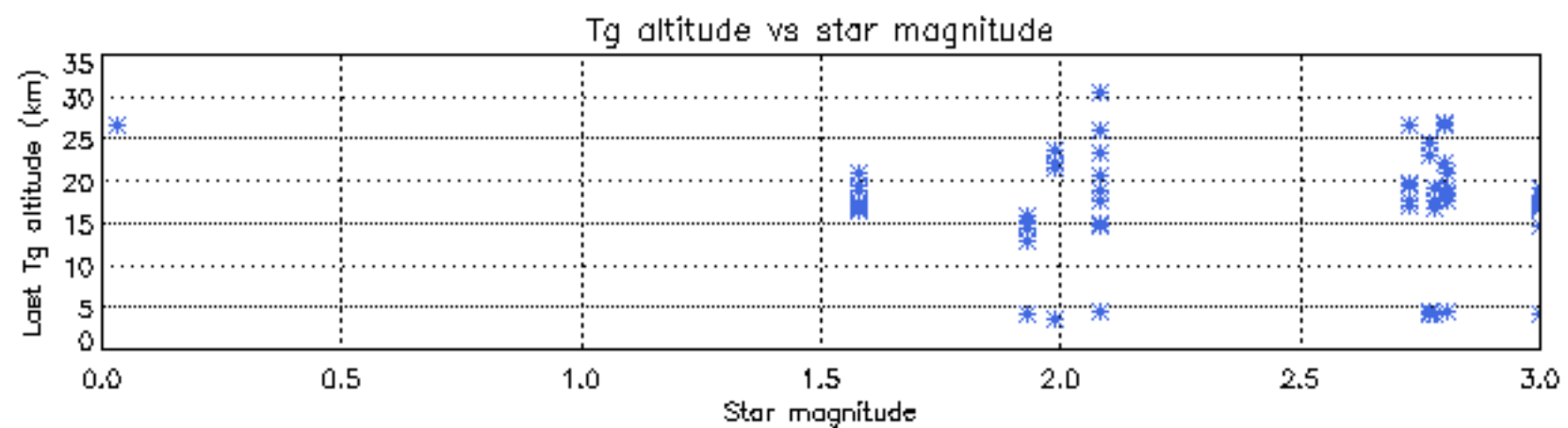
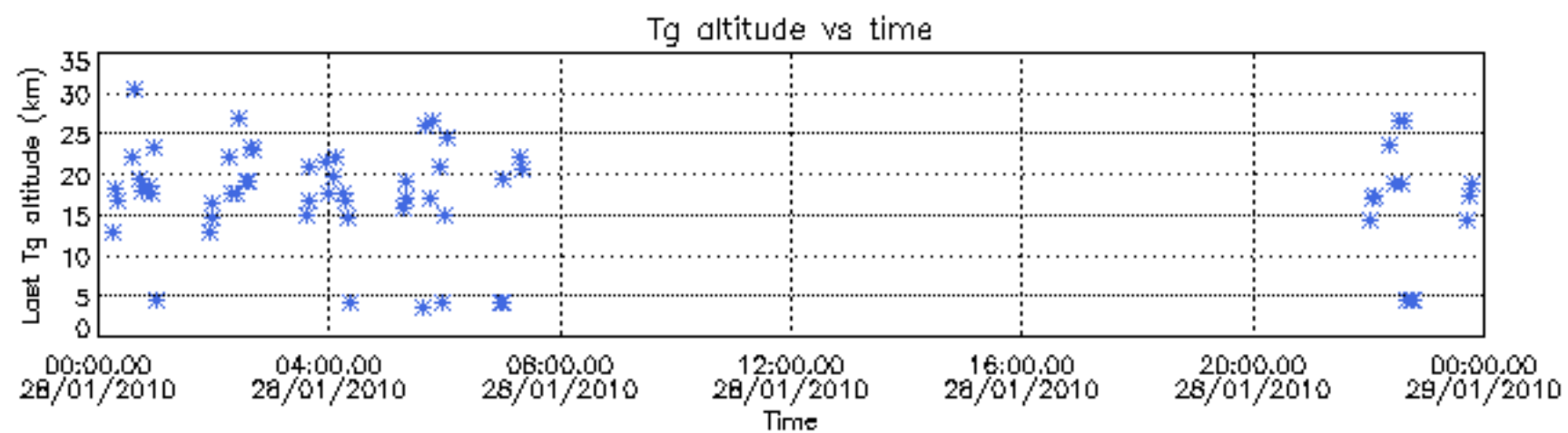
Percentage of saturation errors per profile

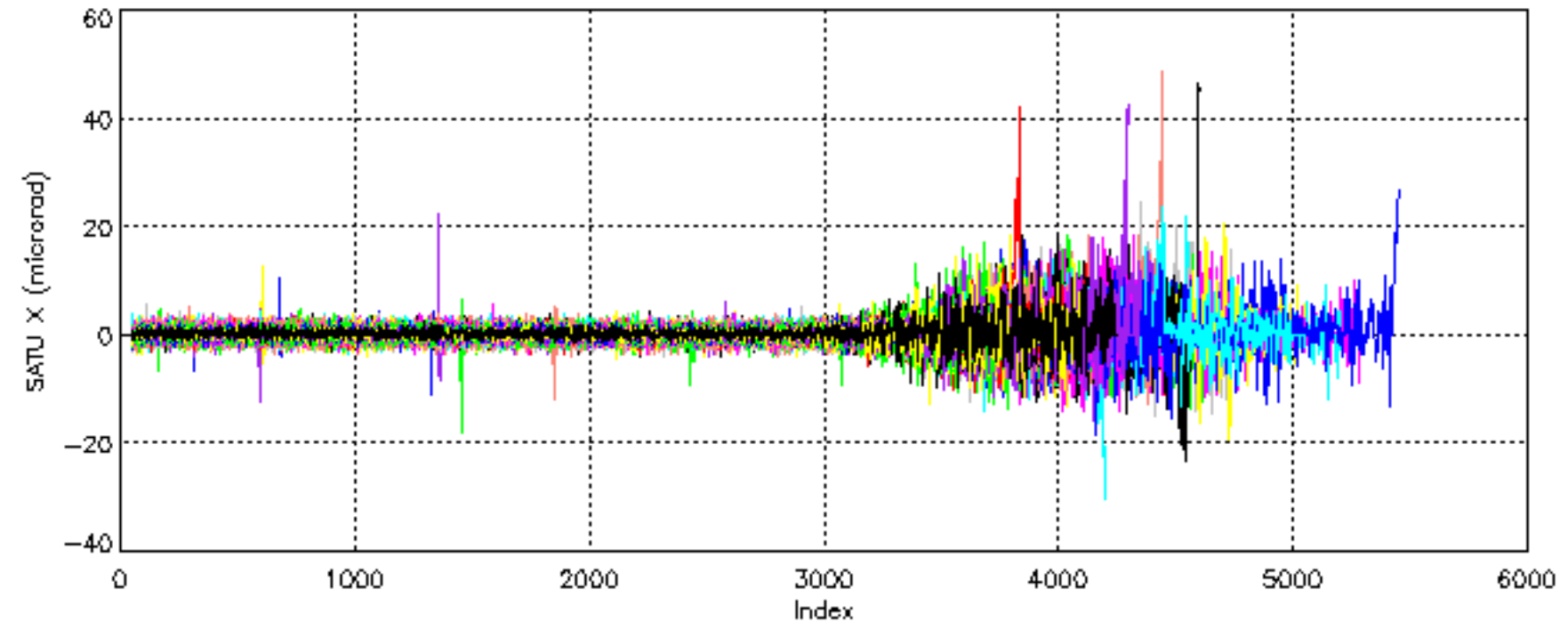


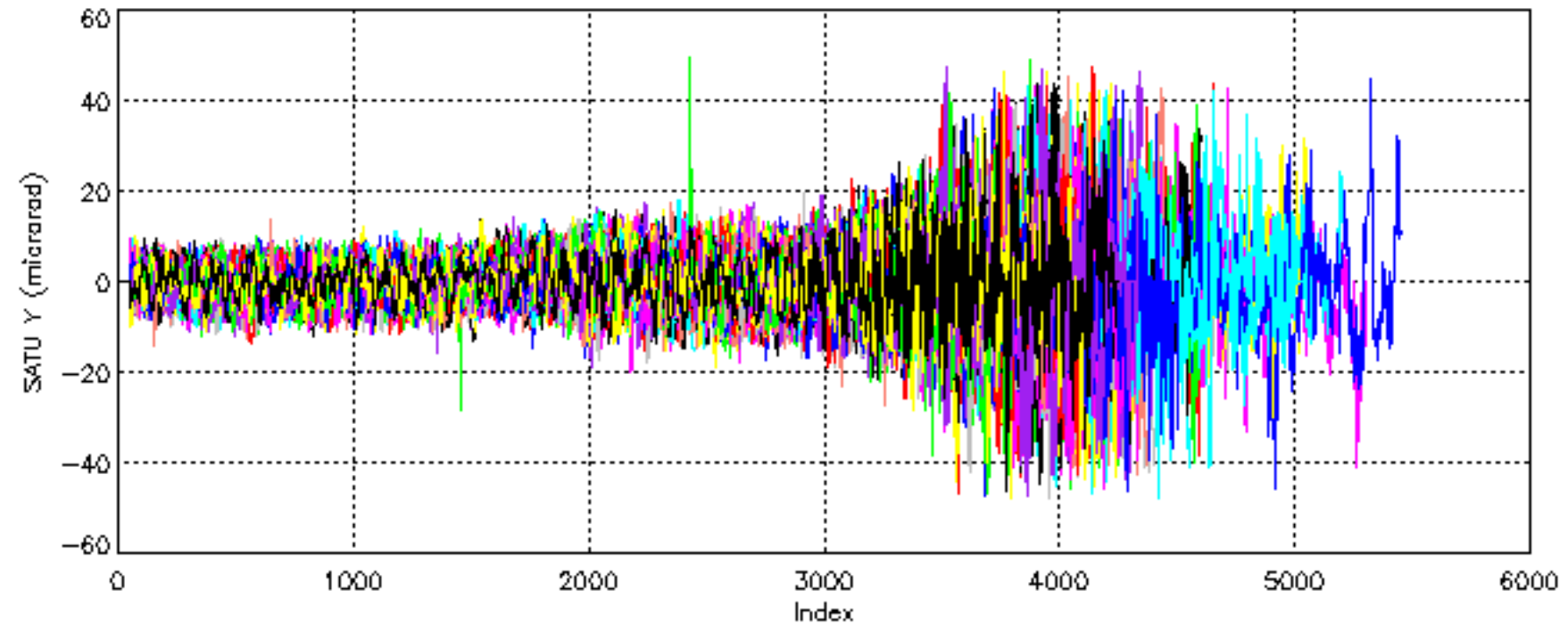
Tangent altitude at which the star is lost

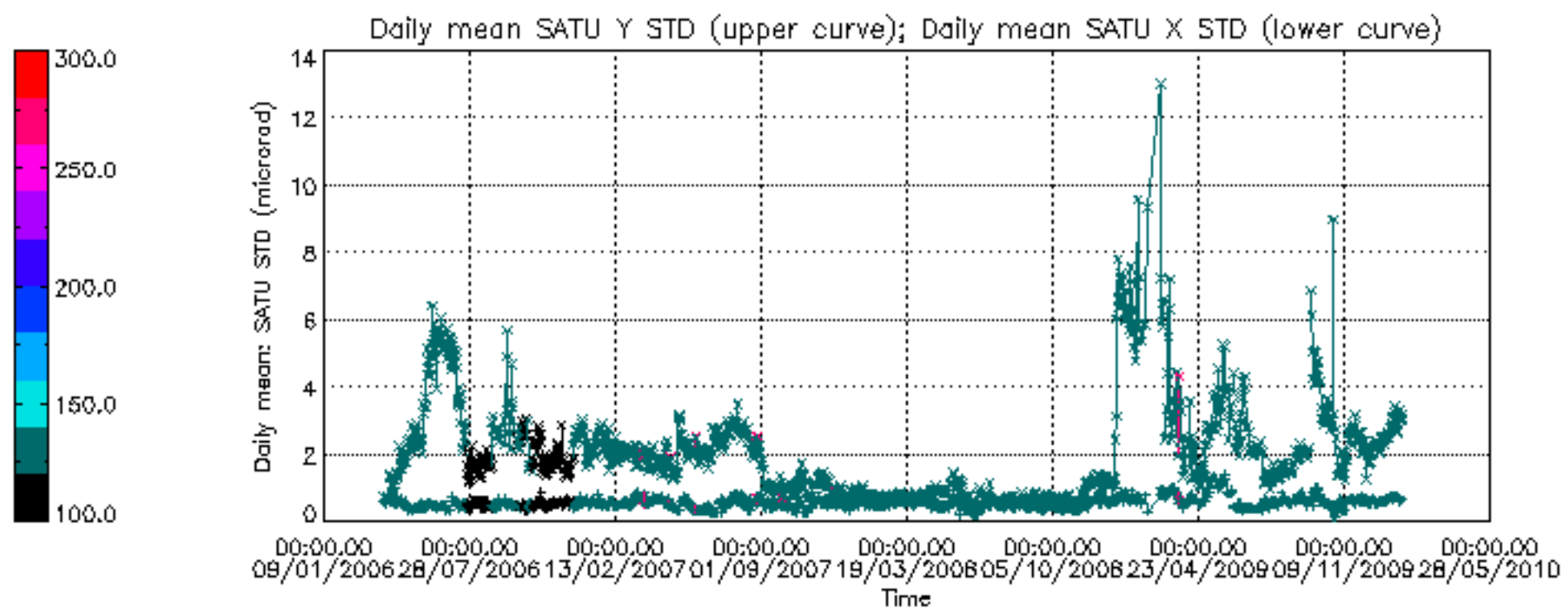


Tangent altitude at which the star is lost









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2; -269.4; 01-JAN-2010 00:21:29; Dark ; 44.0; 54; 5The Cen ; 2.06; 4500;occ; 88; 0;40980
3; -103.6; 01-JAN-2010 00:24:15; Dark ; 40.5; 95; Zet Cen ; 2.55; 26000;occ; 81; 0;40980
4; 1.0; 01-JAN-2010 00:26:00; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;40981
5; 106.3; 01-JAN-2010 00:27:45; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;40981
6; 209.9; 01-JAN-2010 00:29:28; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40981
7; 476.2; 01-JAN-2010 00:33:55; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40981
8; 630.5; 01-JAN-2010 00:36:29; Dark ; 49.0; 71; Iot Car ; 2.25; 7700;occ; 98; 0;40981
9; 727.5; 01-JAN-2010 00:38:06; Dark ; 51.5; 41; Eps Car ; 1.86; 4100;occ; 103; 0;40981
10; 916.1; 01-JAN-2010 00:41:15; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;40981
11; 1047.9; 01-JAN-2010 00:43:26; Dark ; 45.0; 70; Zet Pup ; 2.25; 39000;occ; 90; 0;40981
12; 1172.3; 01-JAN-2010 00:45:31; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;40981
13; 1340.4; 01-JAN-2010 00:48:19; Dark ; 45.5; 23; 21Eps CMA ; 1.50; 26000;occ; 91; 0;40981
14; 1433.2; 01-JAN-2010 00:49:52; Dark ; 44.0; 179; 240mi2CMA ; 3.03; 24000;occ; 88; 0;40981
15; 1581.4; 01-JAN-2010 00:52:20; Dark ; 45.0; 1; 9Alp CMA ; -1.44; 11000;occ; 90; 0;40981
16; 1730.7; 01-JAN-2010 00:54:49; Dark ; 36.0; 56; 53Kap Ori ; 2.07; 30000;occ; 72; 0;40981
17; 1881.4; 01-JAN-2010 00:57:20; Dark ; 41.5; 30; 46Eps Ori ; 1.69; 30000;occ; 83; 0;40981
18; 2032.7; 01-JAN-2010 00:59:51; Dark ; 55.0; 14; 58Alp Ori ; 0.87; 3000;occ; 110; 0;40981
19; 2229.2; 01-JAN-2010 01:03:08; Dark ; 53.0; 44; 24Gam Gem ; 1.93; 11000;occ; 106; 0;40981
20; 2327.3; 01-JAN-2010 01:04:46; Bright; 44.0; 151; 13Mu Gem ; 2.89; 3000;occ; 88; 0;40981
21; 2566.8; 01-JAN-2010 01:08:45; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;40981
22; 2692.3; 01-JAN-2010 01:10:51; Bright; 42.0; 6; 13Alp Aur ; 0.08; 3400;occ; 84; 0;40981
23; 3691.0; 01-JAN-2010 01:27:30; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;40981
24; 3911.7; 01-JAN-2010 01:31:10; Bright; 50.5; 32; 77Eps UMa ; 1.76; 11000;occ; 101; 0;40981
25; 4108.8; 01-JAN-2010 01:34:27; Bright; 66.0; 39; 85Eta UMa ; 1.85; 24000;occ; 132; 0;40981
26; 4353.0; 01-JAN-2010 01:38:32; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;40981
27; 4574.5; 01-JAN-2010 01:42:13; Bright; 62.0; 83; ; 2.38; 11000;occ; 124; 0;40981
28; 4770.9; 01-JAN-2010 01:45:29; Bright; 53.5; 3; 16Alp Boo ; -0.05; 4250;occ; 107; 0;40981
29; 5194.3; 01-JAN-2010 01:52:33; Bright; 55.5; 104; 27Bet Lib ; 2.61; 13100;occ; 111; 0;40981

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1; -838.1; 01-JAN-2010 01:52:36; Bright; 56.0; 104; 27Bet Lib ; 2.61; 13100;occ; 112; 7;40981
2; -681.9; 01-JAN-2010 01:55:13; Dark ; 43.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 87; 0;40981
3; -268.9; 01-JAN-2010 02:02:06; Dark ; 54.0; 54; 5The Cen ; 2.06; 4500;occ; 108; 0;40981
4; -102.9; 01-JAN-2010 02:04:52; Dark ; 39.5; 95; Zet Cen ; 2.55; 26000;occ; 79; 0;40981
5; 1.6; 01-JAN-2010 02:06:36; Dark ; 39.5; 77; Eps Cen ; 2.30; 28000;occ; 79; 0;40982
6; 107.0; 01-JAN-2010 02:08:22; Dark ; 44.0; 64; Gam Cen ; 2.20; 10600;occ; 88; 0;40982
7; 210.8; 01-JAN-2010 02:10:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40982
8; 477.2; 01-JAN-2010 02:14:32; Dark ; 48.0; 113; Mu Vel ; 2.69; 5000;occ; 96; 0;40982
9; 631.0; 01-JAN-2010 02:17:05; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40982
10; 745.4; 01-JAN-2010 02:19:00; Dark ; 46.0; 46; Del Vel ; 1.95; 10600;occ; 92; 0;40982
11; 916.7; 01-JAN-2010 02:21:51; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;40982
12; 1048.4; 01-JAN-2010 02:24:03; Dark ; 48.5; 70; Zet Pup ; 2.25; 39000;occ; 97; 0;40982
13; 1172.7; 01-JAN-2010 02:26:07; Dark ; 48.0; 117; Pi Pup ; 2.71; 3800;occ; 96; 0;40982
14; 1340.9; 01-JAN-2010 02:28:55; Dark ; 46.5; 23; 21Eps CMA ; 1.50; 26000;occ; 93; 0;40982
15; 1433.4; 01-JAN-2010 02:30:28; Dark ; 45.0; 179; 240mi2CMA ; 3.03; 24000;occ; 90; 0;40982
16; 1581.5; 01-JAN-2010 02:32:56; Dark ; 39.5; 1; 9Alp CMA ; -1.44; 11000;occ; 79; 0;40982
17; 1731.0; 01-JAN-2010 02:35:25; Dark ; 41.5; 56; 53Kap Ori ; 2.07; 30000;occ; 83; 0;40982
18; 1881.3; 01-JAN-2010 02:37:56; Dark ; 41.5; 30; 46Eps Ori ; 1.69; 30000;occ; 83; 0;40982
19; 2032.7; 01-JAN-2010 02:40:27; Dark ; 50.5; 14; 58Alp Ori ; 0.87; 3000;occ; 101; 0;40982
20; 2228.8; 01-JAN-2010 02:43:43; Dark ; 50.0; 44; 24Gam Gem ; 1.93; 11000;occ; 100; 0;40982
21; 2327.1; 01-JAN-2010 02:45:22; Bright; 46.5; 151; 13Mu Gem ; 2.89; 3000;occ; 93; 0;40982
22; 2566.5; 01-JAN-2010 02:49:21; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;40982
23; 2692.2; 01-JAN-2010 02:51:27; Bright; 42.5; 6; 13Alp Aur ; 0.08; 3400;occ; 85; 0;40982
24; 3690.9; 01-JAN-2010 03:08:05; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;40982

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1; -2124.7; 01-JAN-2010 03:11:46; Bright; 52.0; 32; 77Eps UMa ; 1.76; 11000;occ; 104; 0;40982
2; -1927.2; 01-JAN-2010 03:15:03; Bright; 66.0; 39; 85Eta UMa ; 1.85; 24000;occ; 132; 0;40982
3; -1682.7; 01-JAN-2010 03:19:08; Bright; 62.0; 180; 27Gam Boo ; 3.04; 8000;occ; 124; 0;40982
4; -1461.4; 01-JAN-2010 03:22:49; Bright; 42.0; 83; ; 2.38; 11000;occ; 84; 0;40982
5; -1264.5; 01-JAN-2010 03:26:06; Bright; 53.5; 3; 16Alp Boo ; -0.05; 4250;occ; 107; 0;40982
6; -1145.0; 01-JAN-2010 03:28:05; Bright; 35.0; 102; 24Alp Ser ; 2.60; 4250;occ; 70; 0;40982
7; -841.1; 01-JAN-2010 03:33:09; Bright; 45.0; 104; 27Bet Lib ; 2.61; 13100;occ; 90; 0;40982
8; -681.3; 01-JAN-2010 03:35:49; Dark ; 44.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 89; 0;40982
9; -267.8; 01-JAN-2010 03:42:43; Dark ; 47.5; 54; 5The Cen ; 2.06; 4500;occ; 95; 0;40982
10; -102.3; 01-JAN-2010 03:45:28; Dark ; 38.5; 95; Zet Cen ; 2.55; 26000;occ; 77; 0;40982
11; 2.3; 01-JAN-2010 03:47:13; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;40983
12; 108.1; 01-JAN-2010 03:48:59; Dark ; 46.0; 64; Gam Cen ; 2.20; 10600;occ; 92; 0;40983


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13; 211.7; 01-JAN-2010 03:50:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40983
14; 478.3; 01-JAN-2010 03:55:09; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40983
15; 631.6; 01-JAN-2010 03:57:42; Dark ; 45.0; 71; Iot Car ; 2.25; 7700;occ; 90; 0;40983
16; 746.1; 01-JAN-2010 03:59:37; Dark ; 41.0; 46; Del Vel ; 1.95; 10600;occ; 82; 0;40983
17; 917.5; 01-JAN-2010 04:02:28; Dark ; 43.0; 34; Gam2Vel ; 1.79; 23000;occ; 86; 0;40983
18; 1049.0; 01-JAN-2010 04:04:39; Dark ; 47.0; 70; Zet Pup ; 2.25; 39000;occ; 94; 0;40983
19; 1173.4; 01-JAN-2010 04:06:44; Dark ; 48.0; 117; Pi Pup ; 2.71; 3800;occ; 96; 0;40983
20; 1341.3; 01-JAN-2010 04:09:32; Dark ; 45.0; 23; 21Eps CMa ; 1.50; 26000;occ; 90; 0;40983
21; 1433.9; 01-JAN-2010 04:11:04; Dark ; 44.0; 179; 240mi2CMa ; 3.03; 24000;occ; 88; 0;40983
22; 1581.9; 01-JAN-2010 04:13:32; Dark ; 53.0; 1; 9Alp CMa ; -1.44; 11000;occ; 106; 0;40983
23; 1731.3; 01-JAN-2010 04:16:02; Dark ; 42.5; 56; 53Kap Ori ; 2.07; 30000;occ; 85; 0;40983
24; 1881.6; 01-JAN-2010 04:18:32; Dark ; 42.0; 30; 46Eps Ori ; 1.69; 30000;occ; 84; 0;40983
25; 2032.8; 01-JAN-2010 04:21:03; Dark ; 53.0; 14; 58Alp Ori ; 0.87; 3000;occ; 106; 0;40983
26; 2228.6; 01-JAN-2010 04:24:19; Dark ; 50.0; 44; 24Gam Gem ; 1.93; 11000;occ; 100; 0;40983
27; 2326.8; 01-JAN-2010 04:25:57; Bright; 49.0; 151; 13Mu Gem ; 2.89; 3000;occ; 98; 0;40983
28; 2566.6; 01-JAN-2010 04:29:57; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;40983
29; 2692.4; 01-JAN-2010 04:32:03; Bright; 42.5; 6; 13Alp Aur ; 0.08; 3400;occ; 85; 0;40983
30; 3690.8; 01-JAN-2010 04:48:41; Bright; 15.5; 60; 7Bet UMi ; 2.08; 3950;occ; 31; 0;40983
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1; -2345.2; 01-JAN-2010 04:48:41; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;40983
2; -2125.3; 01-JAN-2010 04:52:21; Bright; 47.5; 32; 77Eps UMa ; 1.76; 11000;occ; 95; 0;40983
3; -1927.8; 01-JAN-2010 04:55:39; Bright; 44.5; 39; 85Eta UMa ; 1.85; 24000;occ; 89; 0;40983
4; -1682.9; 01-JAN-2010 04:59:44; Bright; 39.5; 180; 27Gam Boo ; 3.04; 8000;occ; 79; 0;40983
5; -1461.0; 01-JAN-2010 05:03:25; Bright; 62.0; 83; ; 2.38; 11000;occ; 124; 0;40983
6; -1264.0; 01-JAN-2010 05:06:42; Bright; 52.5; 3; 16Alp Boo ; -0.05; 4250;occ; 105; 0;40983
7; -1144.6; 01-JAN-2010 05:08:42; Bright; 38.0; 102; 24Alp Ser ; 2.60; 4250;occ; 76; 0;40983
8; -840.4; 01-JAN-2010 05:13:46; Bright; 56.0; 104; 27Bet Lib ; 2.61; 13100;occ; 112; 0;40983
9; -680.6; 01-JAN-2010 05:16:26; Dark ; 43.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 87; 0;40983
10; -267.2; 01-JAN-2010 05:23:19; Dark ; 55.0; 54; 5The Cen ; 2.06; 4500;occ; 110; 0;40983
11; -101.5; 01-JAN-2010 05:26:05; Dark ; 42.0; 95; Zet Cen ; 2.55; 26000;occ; 84; 0;40983
12; 2.9; 01-JAN-2010 05:27:49; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;40984
13; 108.8; 01-JAN-2010 05:29:35; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;40984
14; 212.6; 01-JAN-2010 05:31:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40984
15; 479.0; 01-JAN-2010 05:35:45; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40984
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17; 746.5; 01-JAN-2010 05:40:13; Dark ; 46.5; 46; Del Vel ; 1.95; 10600;occ; 93; 0;40984
18; 918.0; 01-JAN-2010 05:43:04; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;40984
19; 1049.8; 01-JAN-2010 05:45:16; Dark ; 47.5; 70; Zet Pup ; 2.25; 39000;occ; 95; 0;40984
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29; 5207.4; 02-JAN-2010 23:08:56; Bright; 46.5; 104; 27Bet Lib ; 2.61; 13100;occ; 93; 0;41008
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1; -665.3; 02-JAN-2010 23:11:39; Dark ; 42.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 84; 0;41008
2; -248.6; 02-JAN-2010 23:18:36; Dark ; 47.5; 54; 5The Cen ; 2.06; 4500;occ; 95; 0;41008
3; -85.8; 02-JAN-2010 23:21:19; Dark ; 40.0; 95; Zet Cen ; 2.55; 26000;occ; 80; 0;41008
4; 129.4; 02-JAN-2010 23:24:54; Dark ; 46.0; 64; Gam Cen ; 2.20; 10600;occ; 92; 0;41009
5; 235.9; 02-JAN-2010 23:26:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41009

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6;	501.2;	02-JAN-2010	23:31:06;	Dark	;	48.5;	113;	Mu Vel	;	2.69;	5000;occ;	97;	0;41009
7;	645.6;	02-JAN-2010	23:33:30;	Dark	;	42.0;	71;	Iot Car	;	2.25;	7700;occ;	84;	0;41009
8;	759.9;	02-JAN-2010	23:35:25;	Dark	;	44.0;	46;	Del Vel	;	1.95;	10600;occ;	88;	0;41009
9;	930.5;	02-JAN-2010	23:38:15;	Dark	;	46.5;	34;	Gam2Vel	;	1.79;	23000;occ;	93;	0;41009
10;	1061.6;	02-JAN-2010	23:40:26;	Dark	;	44.5;	70;	Zet Pup	;	2.25;	39000;occ;	89;	0;41009
11;	1182.5;	02-JAN-2010	23:42:27;	Dark	;	46.0;	117;	Pi Pup	;	2.71;	3800;occ;	92;	0;41009
12;	1348.2;	02-JAN-2010	23:45:13;	Dark	;	44.5;	23;	21Eps CMA	;	1.50;	26000;occ;	89;	0;41009
13;	1439.7;	02-JAN-2010	23:46:44;	Dark	;	44.5;	179;	240mi2CMA	;	3.03;	24000;occ;	89;	0;41009
14;	1585.0;	02-JAN-2010	23:49:10;	Dark	;	38.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	76;	0;41009
15;	2031.6;	02-JAN-2010	23:56:36;	Dark	;	47.5;	14;	58Alp Ori	;	0.87;	3000;occ;	95;	0;41009
16;	2220.3;	02-JAN-2010	23:59:45;	Dark	;	51.0;	44;	24Gam Gem	;	1.93;	11000;occ;	102;	0;41009
17;	2319.2;	03-JAN-2010	00:01:24;	Bright;	;	47.5;	151;	13Mu Gem	;	2.89;	3000;occ;	95;	0;41009
18;	2560.4;	03-JAN-2010	00:05:25;	Bright;	;	38.5;	107;	37The Aur	;	2.65;	11000;occ;	77;	0;41009
19;	2690.6;	03-JAN-2010	00:07:35;	Bright;	;	40.0;	6;	13Alp Aur	;	0.08;	3400;occ;	80;	0;41009
20;	3688.1;	03-JAN-2010	00:24:13;	Bright;	;	34.5;	60;	7Bet UMi	;	2.08;	3950;occ;	69;	0;41009
21;	3899.8;	03-JAN-2010	00:27:45;	Bright;	;	49.0;	32;	77Eps UMA	;	1.76;	11000;occ;	98;	0;41009
22;	4103.0;	03-JAN-2010	00:31:08;	Bright;	;	45.5;	39;	85Eta UMA	;	1.85;	24000;occ;	91;	0;41009
23;	4353.7;	03-JAN-2010	00:35:18;	Bright;	;	63.0;	180;	27Gam Boo	;	3.04;	8000;occ;	126;	0;41009
24;	4580.5;	03-JAN-2010	00:39:05;	Bright;	;	63.0;	83;		;	2.38;	11000;occ;	126;	0;41009
25;	4783.4;	03-JAN-2010	00:42:28;	Bright;	;	56.5;	3;	16Alp Boo	;	-0.05;	4250;occ;	113;	0;41009
26;	4899.3;	03-JAN-2010	00:44:24;	Bright;	;	54.0;	102;	24Alp Ser	;	2.60;	4250;occ;	108;	0;41009
27;	5207.8;	03-JAN-2010	00:49:33;	Bright;	;	36.0;	104;	27Bet Lib	;	2.61;	13100;occ;	72;	0;41009
28;	5371.0;	03-JAN-2010	00:52:16;	Dark	;	43.5;	122;	9Alp2Lib	;	2.75;	9700;occ;	87;	0;41009
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1;	-2346.5;	02-JAN-2010	05:57:39;	Bright;	;	36.0;	60;	7Bet UMi	;	2.08;	3950;occ;	72;	0;40998
2;	-2131.5;	02-JAN-2010	06:01:14;	Bright;	;	44.0;	32;	77Eps UMA	;	1.76;	11000;occ;	88;	0;40998
3;	-1930.8;	02-JAN-2010	06:04:35;	Bright;	;	67.0;	39;	85Eta UMA	;	1.85;	24000;occ;	134;	0;40998
4;	-1682.5;	02-JAN-2010	06:08:43;	Bright;	;	63.0;	180;	27Gam Boo	;	3.04;	8000;occ;	126;	0;40998
5;	-1457.8;	02-JAN-2010	06:12:28;	Bright;	;	43.0;	83;		;	2.38;	11000;occ;	86;	0;40998
6;	-1257.3;	02-JAN-2010	06:15:48;	Bright;	;	55.0;	3;	16Alp Boo	;	-0.05;	4250;occ;	110;	0;40998
7;	-1139.7;	02-JAN-2010	06:17:46;	Bright;	;	49.0;	102;	24Alp Ser	;	2.60;	4250;occ;	98;	0;40998
8;	-833.4;	02-JAN-2010	06:22:52;	Bright;	;	56.0;	104;	27Bet Lib	;	2.61;	13100;occ;	112;	0;40998
9;	-671.7;	02-JAN-2010	06:25:34;	Dark	;	45.0;	122;	9Alp2Lib	;	2.75;	9700;occ;	90;	0;40998
10;	-256.0;	02-JAN-2010	06:32:29;	Dark	;	50.5;	54;	5The Cen	;	2.06;	4500;occ;	101;	0;40998
11;	-92.2;	02-JAN-2010	06:35:13;	Dark	;	40.0;	95;	Zet Cen	;	2.55;	26000;occ;	80;	0;40998
12;	11.6;	02-JAN-2010	06:36:57;	Dark	;	39.5;	77;	Eps Cen	;	2.30;	28000;occ;	79;	0;40999
13;	121.1;	02-JAN-2010	06:38:47;	Dark	;	44.5;	64;	Gam Cen	;	2.20;	10600;occ;	89;	0;40999
14;	226.5;	02-JAN-2010	06:40:32;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;40999
15;	492.5;	02-JAN-2010	06:44:58;	Dark	;	46.5;	113;	Mu Vel	;	2.69;	5000;occ;	93;	0;40999
16;	640.3;	02-JAN-2010	06:47:26;	Dark	;	40.0;	71;	Iot Car	;	2.25;	7700;occ;	80;	0;40999
17;	754.7;	02-JAN-2010	06:49:20;	Dark	;	45.5;	46;	Del Vel	;	1.95;	10600;occ;	91;	0;40999
18;	925.4;	02-JAN-2010	06:52:11;	Dark	;	44.0;	34;	Gam2Vel	;	1.79;	23000;occ;	88;	0;40999
19;	1056.9;	02-JAN-2010	06:54:22;	Dark	;	45.5;	70;	Zet Pup	;	2.25;	39000;occ;	91;	0;40999
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21;	1345.5;	02-JAN-2010	06:59:11;	Dark	;	47.5;	23;	21Eps CMA	;	1.50;	26000;occ;	95;	0;40999
22;	1437.4;	02-JAN-2010	07:00:43;	Dark	;	44.0;	179;	240mi2CMA	;	3.03;	24000;occ;	88;	0;40999
23;	1583.8;	02-JAN-2010	07:03:09;	Dark	;	50.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	100;	0;40999
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2;	1868.8;	02-JAN-2010	07:07:54;	Dark	;	41.5;	33;	50Zet Ori	;	1.77;	30000;occ;	83;	0;40999
3;	2031.9;	02-JAN-2010	07:10:37;	Dark	;	49.0;	14;	58Alp Ori	;	0.87;	3000;occ;	98;	0;40999
4;	2223.4;	02-JAN-2010	07:13:49;	Dark	;	45.5;	44;	24Gam Gem	;	1.93;	11000;occ;	91;	0;40999
5;	2322.2;	02-JAN-2010	07:15:28;	Bright;	;	47.5;	151;	13Mu Gem	;	2.89;	3000;occ;	95;	0;40999
6;	2562.7;	02-JAN-2010	07:19:28;	Bright;	;	38.5;	107;	37The Aur	;	2.65;	11000;occ;	77;	0;40999
7;	2691.3;	02-JAN-2010	07:21:37;	Bright;	;	42.0;	6;	13Alp Aur	;	0.08;	3400;occ;	84;	0;40999
8;	3689.3;	02-JAN-2010	07:38:15;	Bright;	;	39.0;	60;	7Bet UMi	;	2.08;	3950;occ;	78;	0;40999
9;	3904.1;	02-JAN-2010	07:41:50;	Bright;	;	46.5;	32;	77Eps UMA	;	1.76;	11000;occ;	93;	0;40999
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11;	4353.5;	02-JAN-2010	07:49:19;	Bright;	;	43.0;	180;	27Gam Boo	;	3.04;	8000;occ;	86;	0;40999
12;	4578.2;	02-JAN-2010	07:53:04;	Bright;	;	45.5;	83;		;	2.38;	11000;occ;	91;	0;40999
13;	4779.1;	02-JAN-2010	07:56:25;	Bright;	;	55.0;	3;	16Alp Boo	;	-0.05;	4250;occ;	110;	0;40999
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15;	5202.8;	02-JAN-2010	08:03:28;	Bright;	;	56.0;	104;	27Bet Lib	;	2.61;	13100;occ;	112;	0;40999
16;	5365.1;	02-JAN-2010	08:06:11;	Dark	;	43.5;	122;	9Alp2Lib	;	2.75;	9700;occ;	87;	0;40999
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18;	5944.4;	02-JAN-2010	08:15:50;	Dark	;	40.5;	95;	Zet Cen	;	2.55;	26000;occ;	81;	0;40999
19;	6048.1;	02-JAN-2010	08:17:34;	Dark	;	41.5;	77;	Eps Cen	;	2.30;	28000;occ;	83;	0;40999
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21; 6263.4; 02-JAN-2010 08:21:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40999
 22; 6529.2; 02-JAN-2010 08:25:35; Dark ; 49.5; 113; Mu Vel ; 2.69; 5000;occ; 99; 0;40999
 23; 6676.8; 02-JAN-2010 08:28:02; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40999
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 25; 6962.1; 02-JAN-2010 08:32:48; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;40999
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 3; 2032.0; 02-JAN-2010 08:51:13; Dark ; 52.5; 14; 58Alp Ori ; 0.87; 3000;occ; 105; 0;41000
 4; 2223.1; 02-JAN-2010 08:54:24; Dark ; 41.0; 44; 24Gam Gem ; 1.93; 11000;occ; 82; 0;41000
 5; 2321.8; 02-JAN-2010 08:56:03; Bright; 50.0; 151; 13Mu Gem ; 2.89; 3000;occ; 100; 0;41000
 6; 2562.6; 02-JAN-2010 09:00:04; Bright; 39.0; 107; 37The Aur ; 2.65; 11000;occ; 78; 0;41000
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 10; 4104.9; 02-JAN-2010 09:25:46; Bright; 47.5; 39; 85Eta UMa ; 1.85; 24000;occ; 95; 0;41000
 11; 4353.8; 02-JAN-2010 09:29:55; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;41000
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 14; 4896.6; 02-JAN-2010 09:38:58; Bright; 54.0; 102; 24Alp Ser ; 2.60; 4250;occ; 108; 0;41000
 15; 5203.3; 02-JAN-2010 09:44:05; Bright; 56.0; 104; 27Bet Lib ; 2.61; 13100;occ; 112; 0;41000
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 3; 1868.7; 02-JAN-2010 10:29:06; Dark ; 43.0; 33; 50Zet Ori ; 1.77; 30000;occ; 86; 0;41001
 4; 2031.7; 02-JAN-2010 10:31:49; Dark ; 52.0; 14; 58Alp Ori ; 0.87; 3000;occ; 104; 0;41001
 5; 2222.7; 02-JAN-2010 10:35:00; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;41001
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 7; 2562.2; 02-JAN-2010 10:40:39; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;41001
 8; 2691.1; 02-JAN-2010 10:42:48; Bright; 42.0; 6; 13Alp Aur ; 0.08; 3400;occ; 84; 0;41001
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 10; 3903.3; 02-JAN-2010 11:03:01; Bright; 47.0; 32; 77Eps UMa ; 1.76; 11000;occ; 94; 0;41001
 11; 4104.4; 02-JAN-2010 11:06:22; Bright; 45.0; 39; 85Eta UMa ; 1.85; 24000;occ; 90; 0;41001
 12; 4353.7; 02-JAN-2010 11:10:31; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;41001
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 15; 4896.9; 02-JAN-2010 11:19:34; Bright; 37.5; 102; 24Alp Ser ; 2.60; 4250;occ; 75; 0;41001
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 26; 7094.3; 02-JAN-2010 11:56:12; Dark ; 46.0; 70; Zet Pup ; 2.25; 39000;occ; 92; 0;41001

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27; 7216.1; 02-JAN-2010 11:58:13; Dark ; 46.5; 117; Pi Pup ; 2.71; 3800;occ; 93; 0;41001
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21; 6692.4; 04-JAN-2010 10:46:16; Dark ; 47.5; 71; Iot Car ; 2.25; 7700;occ; 95; 0;41029
22; 6806.9; 04-JAN-2010 10:48:10; Dark ; 41.5; 46; Del Vel ; 1.95; 10600;occ; 83; 0;41029
23; 6976.7; 04-JAN-2010 10:51:00; Dark ; 43.0; 34; Gam2Vel ; 1.79; 23000;occ; 86; 0;41029
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25; 7225.8; 04-JAN-2010 10:55:09; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;41029
26; 7389.4; 04-JAN-2010 10:57:53; Dark ; 44.5; 23; 21Eps CMa ; 1.50; 26000;occ; 89; 0;41029
27; 7480.0; 04-JAN-2010 10:59:23; Dark ; 43.5; 179; 240mi2CMa ; 3.03; 24000;occ; 87; 0;41029
28; 7623.3; 04-JAN-2010 11:01:47; Dark ; 17.0; 1; 9Alp CMa ; -1.44; 11000;occ; 34; 0;41029

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23; 7108.3; 04-JAN-2010 12:33:48; Dark ; 46.5; 70; Zet Pup ; 2.25; 39000;occ; 93; 0;41030
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4; 2313.6; 04-JAN-2010 12:54:29; Bright; 48.0; 151; 13Mu Gem ; 2.89; 3000;occ; 96; 0;41031
5; 2556.0; 04-JAN-2010 12:58:31; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;41031
6; 2689.4; 04-JAN-2010 13:00:44; Bright; 38.0; 42; 34Bet Aur ; 1.90; 10200;occ; 76; 0;41031
7; 3685.5; 04-JAN-2010 13:17:21; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;41031
8; 3954.8; 04-JAN-2010 13:21:50; Bright; 47.0; 55; 79Zet UMa ; 2.06; 10200;occ; 94; 0;41031
9; 4354.7; 04-JAN-2010 13:28:30; Bright; 43.0; 180; 27Gam Boo ; 3.04; 8000;occ; 86; 0;41031
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12; 5218.8; 04-JAN-2010 13:42:54; Bright; 44.0; 104; 27Bet Lib ; 2.61; 13100;occ; 88; 0;41031
13; 5385.6; 04-JAN-2010 13:45:41; Dark ; 44.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 89; 0;41031
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 22; 6808.3; 04-JAN-2010 15:49:59; Dark ; 42.5; 46; Del Vel ; 1.95; 10600;occ; 85; 0;41032
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5; 1445.2; 04-JAN-2010 19:22:24; Dark ; 42.5; 179; 24Omi2CMa ; 3.03; 24000;occ; 85; 0;41035
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 25; 2308.3; 06-JAN-2010 06:49:22; Bright; 57.0; 151; 13Mu Gem ; 2.89; 3000;occ; 114; 0;41056


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28; 3682.7; 06-JAN-2010 07:12:16; Bright; 32.5; 60; 7Bet UMi ; 2.08; 3950;occ; 65; 0;41056
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5; 1451.0; 06-JAN-2010 19:59:52; Dark ; 41.0; 179; 240mi2CMa ; 3.03; 24000;occ; 82; 0;41064
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9; 2306.4; 06-JAN-2010 20:14:07; Bright; 49.5; 151; 13Mu Gem ; 2.89; 3000;occ; 99; 0;41064
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5; 51.6; 06-JAN-2010 22:57:44; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;41066
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13; 1201.2; 06-JAN-2010 23:16:54; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;41066
14; 1362.2; 06-JAN-2010 23:19:35; Dark ; 45.5; 23; 21Eps CMa ; 1.50; 26000;occ; 91; 0;41066
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26; 7396.9; 06-JAN-2010 11:35:22; Dark ; 44.0; 23; 21Eps CMa ; 1.50; 26000;occ; 88; 0;41058
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5; 53.0; 07-JAN-2010 02:18:57; Dark ; 39.5; 77; Eps Cen ; 2.30; 28000;occ; 79; 0;41068
6; 215.6; 07-JAN-2010 02:21:40; Dark ; 41.5; 20; Bet Cru ; 1.25; 30000;occ; 83; 0;41068
7; 291.2; 07-JAN-2010 02:22:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41068
8; 552.3; 07-JAN-2010 02:27:17; Dark ; 49.5; 113; Mu Vel ; 2.69; 5000;occ; 99; 0;41068
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13; 553.3; 07-JAN-2010 04:07:54; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;41069
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23; 2031.0; 07-JAN-2010 06:13:07; Dark ; 53.0; 14; 58Alp Ori ; 0.87; 3000;occ; 106; 0;41070
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26; 2549.6; 07-JAN-2010 06:21:46; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;41070
27; 2682.5; 07-JAN-2010 06:23:59; Bright; 36.5; 42; 34Bet Aur ; 1.90; 10200;occ; 73; 0;41070

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3;	302.6;	07-JAN-2010	22:30:18;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	41080
4;	481.3;	07-JAN-2010	22:33:17;	Dark	;	37.0;	124;	The Car	;	2.76;	30000;occ;	74;	0;	41080
5;	574.3;	07-JAN-2010	22:34:50;	Dark	;	39.0;	159;	Ups Car	;	2.92;	7200;occ;	78;	0;	41080
6;	681.7;	07-JAN-2010	22:36:37;	Dark	;	42.0;	71;	Iot Car	;	2.25;	7700;occ;	84;	0;	41080
7;	767.2;	07-JAN-2010	22:38:03;	Dark	;	45.0;	41;	Eps Car	;	1.86;	4100;occ;	90;	0;	41080
8;	963.3;	07-JAN-2010	22:41:19;	Dark	;	45.0;	34;	Gam2Vel	;	1.79;	23000;occ;	90;	0;	41080
9;	1094.2;	07-JAN-2010	22:43:30;	Dark	;	43.5;	70;	Zet Pup	;	2.25;	39000;occ;	87;	0;	41080
10;	1206.0;	07-JAN-2010	22:45:22;	Dark	;	46.5;	117;	Pi Pup	;	2.71;	3800;occ;	93;	0;	41080
11;	1365.9;	07-JAN-2010	22:48:02;	Dark	;	44.5;	23;	21Eps CMA	;	1.50;	26000;occ;	89;	0;	41080
12;	1454.2;	07-JAN-2010	22:49:30;	Dark	;	42.0;	179;	240mi2CMA	;	3.03;	24000;occ;	84;	0;	41080
13;	1594.0;	07-JAN-2010	22:51:50;	Dark	;	46.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	92;	0;	41080
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15;	2202.9;	07-JAN-2010	23:01:59;	Dark	;	47.0;	44;	24Gam Gem	;	1.93;	11000;occ;	94;	0;	41080
16;	2303.6;	07-JAN-2010	23:03:39;	Bright;	;	44.5;	151;	13Mu Gem	;	2.89;	3000;occ;	89;	0;	41080
17;	2395.2;	07-JAN-2010	23:05:11;	Bright;	;	38.5;	28;	12Bet Tau	;	1.65;	15200;occ;	77;	0;	41080
18;	2547.9;	07-JAN-2010	23:07:44;	Bright;	;	37.5;	107;	37The Aur	;	2.65;	11000;occ;	75;	0;	41080
19;	2680.9;	07-JAN-2010	23:09:57;	Bright;	;	36.0;	42;	34Bet Aur	;	1.90;	10200;occ;	72;	0;	41080
20;	3423.8;	07-JAN-2010	23:22:19;	Bright;	;	36.0;	49;	1Alp UMi	;	1.99;	6300;occ;	72;	0;	41080
21;	3679.6;	07-JAN-2010	23:26:35;	Bright;	;	39.5;	60;	7Bet UMi	;	2.08;	3950;occ;	79;	0;	41080
22;	3924.5;	07-JAN-2010	23:30:40;	Bright;	;	38.5;	119;	14Eta Dra	;	2.73;	4700;occ;	77;	0;	41080
23;	4437.5;	07-JAN-2010	23:39:13;	Bright;	;	33.0;	133;	40Zet Her	;	2.81;	6000;occ;	66;	0;	41080
24;	4565.0;	07-JAN-2010	23:41:21;	Bright;	;	38.0;	67;	5Alp CrB	;	2.22;	11000;occ;	76;	0;	41080
25;	4923.8;	07-JAN-2010	23:47:20;	Bright;	;	57.0;	102;	24Alp Ser	;	2.60;	4250;occ;	114;	0;	41080
26;	5057.7;	07-JAN-2010	23:49:33;	Bright;	;	34.0;	120;	1Del Oph	;	2.73;	3200;occ;	68;	0;	41080
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4;	82.4;	08-JAN-2010	00:07:14;	Dark	;	50.0;	10;	Bet Cen	;	0.61;	28000;occ;	100;	0;	41081
5;	223.3;	08-JAN-2010	00:09:35;	Dark	;	40.5;	20;	Bet Cru	;	1.25;	30000;occ;	81;	0;	41081
6;	303.5;	08-JAN-2010	00:10:55;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	41081
7;	481.9;	08-JAN-2010	00:13:53;	Dark	;	38.5;	124;	The Car	;	2.76;	30000;occ;	77;	0;	41081
8;	574.7;	08-JAN-2010	00:15:26;	Dark	;	40.0;	159;	Ups Car	;	2.92;	7200;occ;	80;	0;	41081
9;	682.1;	08-JAN-2010	00:17:14;	Dark	;	44.0;	71;	Iot Car	;	2.25;	7700;occ;	88;	0;	41081
10;	767.6;	08-JAN-2010	00:18:39;	Dark	;	46.5;	41;	Eps Car	;	1.86;	4100;occ;	93;	0;	41081
11;	963.8;	08-JAN-2010	00:21:55;	Dark	;	43.0;	34;	Gam2Vel	;	1.79;	23000;occ;	86;	0;	41081
12;	1094.6;	08-JAN-2010	00:24:06;	Dark	;	42.0;	70;	Zet Pup	;	2.25;	39000;occ;	84;	0;	41081
13;	1206.1;	08-JAN-2010	00:25:58;	Dark	;	46.0;	117;	Pi Pup	;	2.71;	3800;occ;	92;	0;	41081
14;	1366.0;	08-JAN-2010	00:28:38;	Dark	;	44.0;	23;	21Eps CMA	;	1.50;	26000;occ;	88;	0;	41081
15;	1454.4;	08-JAN-2010	00:30:06;	Dark	;	42.0;	179;	240mi2CMA	;	3.03;	24000;occ;	84;	0;	41081
16;	1593.9;	08-JAN-2010	00:32:25;	Dark	;	46.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	92;	0;	41081
17;	2031.2;	08-JAN-2010	00:39:43;	Dark	;	53.0;	14;	58Alp Ori	;	0.87;	3000;occ;	106;	0;	41081
18;	2202.7;	08-JAN-2010	00:42:34;	Dark	;	47.5;	44;	24Gam Gem	;	1.93;	11000;occ;	95;	0;	41081
19;	2303.4;	08-JAN-2010	00:44:15;	Bright;	;	44.5;	151;	13Mu Gem	;	2.89;	3000;occ;	89;	0;	41081
20;	2395.0;	08-JAN-2010	00:45:47;	Bright;	;	39.0;	28;	12Bet Tau	;	1.65;	15200;occ;	78;	0;	41081
21;	2680.7;	08-JAN-2010	00:50:32;	Bright;	;	38.5;	42;	34Bet Aur	;	1.90;	10200;occ;	77;	0;	41081
22;	3424.1;	08-JAN-2010	01:02:56;	Bright;	;	33.0;	49;	1Alp UMi	;	1.99;	6300;occ;	66;	0;	41081
23;	4924.4;	08-JAN-2010	01:27:56;	Bright;	;	57.0;	102;	24Alp Ser	;	2.60;	4250;occ;	114;	0;	41081
24;	5058.1;	08-JAN-2010	01:30:10;	Bright;	;	52.5;	120;	1Del Oph	;	2.73;	3200;occ;	105;	0;	41081

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2;	2204.9;	07-JAN-2010	07:56:37;	Dark	;	46.0;	44;	24Gam Gem	;	1.93;	11000;occ;	92;	0;	41071
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4;	2549.5;	07-JAN-2010	08:02:22;	Bright;	;	38.0;	107;	37The Aur	;	2.65;	11000;occ;	76;	0;	41071
5;	2682.4;	07-JAN-2010	08:04:35;	Bright;	;	38.0;	42;	34Bet Aur	;	1.90;	10200;occ;	76;	0;	41071
6;	3681.0;	07-JAN-2010	08:21:13;	Bright;	;	34.0;	60;	7Bet UMi	;	2.08;	3950;occ;	68;	0;	41071
7;	3924.6;	07-JAN-2010	08:25:17;	Bright;	;	39.5;	119;	14Eta Dra	;	2.73;	4700;occ;	79;	0;	41071
8;	4087.2;	07-JAN-2010	08:27:59;	Bright;	;	52.5;	39;	85Eta UMA	;	1.85;	24000;occ;	105;	0;	41071
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11;	4920.7;	07-JAN-2010	08:41:53;	Bright;	;	56.0;	102;	24Alp Ser	;	2.60;	4250;occ;	112;	0;	41071
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 23; 4966.8; 14-JAN-2010 23:27:55; Bright; 45.0; 102; 24Alp Ser ; 2.60; 4250;occ; 90; 0;41180
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 23; 6563.4; 14-JAN-2010 08:49:09; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;41171
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22; 6578.0; 16-JAN-2010 12:47:57; Dark ; 37.0; 124; The Car ; 2.76; 30000;occ; 74; 0;41202
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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20100116_130404_000058092086_00067_41203_6044.N1

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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20100116_144243_000059032086_00068_41204_6045.N1

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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20100116_161942_000059172086_00069_41205_6046.N1

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23; 6680.7; 19-JAN-2010 14:36:00; Dark ; 40.5; 159; Ups Car ; 2.92; 7200;occ; 81; 0;41246
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17; 5244.4; 19-JAN-2010 17:33:16; Bright; 52.0; 86; 35Eta Oph ; 2.43; 10200;occ; 104; 0;41248
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7; 2186.4; 19-JAN-2010 18:22:54; Dark ; 52.0; 44; 24Gam Gem ; 1.93; 11000;occ; 104; 0;41249

```

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13; 3918.5; 19-JAN-2010 18:51:46; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;41249
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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20100120_001549_000059402086_00116_41252_9347.N1

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16; 1486.7; 20-JAN-2010 00:53:37; Dark ; 40.0; 179; 240mi2CMa ; 3.03; 24000;occ; 80; 0;41253
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21; 2494.4; 20-JAN-2010 01:10:25; Bright; 43.5; 24; 66Alp Gem ; 1.58; 10200;occ; 87; 0;41253
22; 2672.0; 20-JAN-2010 01:13:23; Bright; 37.5; 42; 34Bet Aur ; 1.90; 10200;occ; 75; 0;41253
23; 3425.4; 20-JAN-2010 01:25:56; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;41253
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27; 4462.9; 20-JAN-2010 01:43:14; Bright; 39.5; 133; 40Zet Her ; 2.81; 6000;occ; 79; 0;41253
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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20100120_015420_000043652086_00117_41253_9348.N1

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8; 566.6; 20-JAN-2010 02:18:53; Dark ; 38.0; 124; The Car ; 2.76; 30000;occ; 76; 0;41254
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 21; 2494.2; 20-JAN-2010 02:51:01; Bright; 43.0; 24; 66Alp Gem ; 1.58; 10200;occ; 86; 0;41254
 22; 2672.0; 20-JAN-2010 02:53:59; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;41254
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 27; 2672.4; 20-JAN-2010 04:34:35; Bright; 36.5; 42; 34Bet Aur ; 1.90; 10200;occ; 73; 0;41255
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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20100120_045053_000060762086_00119_41255_9350.N1

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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20100120_105925_000060802086_00123_41259_6070.N1

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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20100120_124011_000050822086_00124_41260_6071.N1

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26; 6606.7; 20-JAN-2010 17:24:21; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;41262
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 15; 7212.5; 24-JAN-2010 10:26:11; Dark ; 39.0; 70; Zet Pup ; 2.25; 39000;occ; 78; 0;41315

```

16; 7302.2; 24-JAN-2010 10:27:41; Dark ; 45.0; 117; Pi Pup ; 2.71; 3800;occ; 90; 0;41315
17; 7450.7; 24-JAN-2010 10:30:09; Dark ; 41.5; 23; 21Eps CMA ; 1.50; 26000;occ; 83; 0;41315
18; 7533.7; 24-JAN-2010 10:31:32; Dark ; 38.5; 179; 240mi2CMA ; 3.03; 24000;occ; 77; 0;41315
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 2; 1995.8; 24-JAN-2010 10:39:50; Dark ; 47.0; 8; 10Alp CMI ; 0.40; 6500;occ; 94; 0;41316
 3; 2294.2; 24-JAN-2010 10:44:49; Bright; 42.5; 151; 13Mu Gem ; 2.89; 3000;occ; 85; 0;41316
 4; 2676.2; 24-JAN-2010 10:51:10; Bright; 37.5; 42; 34Bet Aur ; 1.90; 10200;occ; 75; 0;41316
 5; 3638.7; 24-JAN-2010 11:07:13; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;41316
 6; 3911.6; 24-JAN-2010 11:11:46; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;41316
 7; 4471.7; 24-JAN-2010 11:21:06; Bright; 38.5; 133; 40Zet Her ; 2.81; 6000;occ; 77; 0;41316
 8; 4671.5; 24-JAN-2010 11:24:26; Bright; 60.0; 127; 27Bet Her ; 2.78; 4700;occ; 120; 0;41316
 9; 4895.5; 24-JAN-2010 11:28:10; Bright; 34.0; 126; 60Bet Oph ; 2.77; 4250;occ; 68; 0;41316
10; 5506.0; 24-JAN-2010 11:38:20; Dark ; 50.5; 16; 21Alp Sco ; 1.02; 3000;occ; 101; 0;41316
11; 5839.6; 24-JAN-2010 11:43:54; Dark ; 43.0; 131; Gam Lup ; 2.80; 26000;occ; 86; 0;41316
12; 5960.9; 24-JAN-2010 11:45:55; Dark ; 44.0; 109; Bet Lup ; 2.68; 26000;occ; 88; 0;41316
13; 6049.8; 24-JAN-2010 11:47:24; Dark ; 42.0; 78; Alp Lup ; 2.30; 28000;occ; 84; 0;41316
14; 6447.1; 24-JAN-2010 11:54:01; Dark ; 42.5; 12; Alp1Cru ; 0.77; 30000;occ; 85; 0;41316
15; 6556.8; 24-JAN-2010 11:55:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41316
16; 7212.9; 24-JAN-2010 12:06:47; Dark ; 43.0; 70; Zet Pup ; 2.25; 39000;occ; 86; 0;41316
17; 7302.6; 24-JAN-2010 12:08:17; Dark ; 43.5; 117; Pi Pup ; 2.71; 3800;occ; 87; 0;41316
18; 7450.8; 24-JAN-2010 12:10:45; Dark ; 42.5; 23; 21Eps CMA ; 1.50; 26000;occ; 85; 0;41316
19; 7533.7; 24-JAN-2010 12:12:08; Dark ; 38.5; 179; 240mi2CMA ; 3.03; 24000;occ; 77; 0;41316
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 2; 1627.8; 24-JAN-2010 12:14:18; Dark ; 45.0; 1; 9Alp CMA ; -1.44; 11000;occ; 90; 0;41317
 3; 1995.9; 24-JAN-2010 12:20:26; Dark ; 47.0; 8; 10Alp CMI ; 0.40; 6500;occ; 94; 0;41317
 4; 2294.4; 24-JAN-2010 12:25:25; Bright; 40.0; 151; 13Mu Gem ; 2.89; 3000;occ; 80; 0;41317
 5; 2676.5; 24-JAN-2010 12:31:47; Bright; 36.0; 42; 34Bet Aur ; 1.90; 10200;occ; 72; 0;41317
 6; 3426.3; 24-JAN-2010 12:44:16; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;41317
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11; 6050.6; 24-JAN-2010 13:28:01; Dark ; 42.0; 78; Alp Lup ; 2.30; 28000;occ; 84; 0;41317
12; 6174.7; 24-JAN-2010 13:30:05; Dark ; 41.0; 4; Alp1Cen ; -0.01; 5800;occ; 82; 0;41317
13; 6264.2; 24-JAN-2010 13:31:34; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;41317
14; 6447.8; 24-JAN-2010 13:34:38; Dark ; 49.0; 12; Alp1Cru ; 0.77; 30000;occ; 98; 0;41317
15; 6557.7; 24-JAN-2010 13:36:28; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41317
16; 7451.0; 24-JAN-2010 13:51:21; Dark ; 43.0; 23; 21Eps CMA ; 1.50; 26000;occ; 86; 0;41317
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 2; 1627.7; 24-JAN-2010 13:54:54; Dark ; 44.0; 1; 9Alp CMA ; -1.44; 11000;occ; 88; 0;41318
 3; 1995.7; 24-JAN-2010 14:01:02; Dark ; 49.5; 8; 10Alp CMI ; 0.40; 6500;occ; 99; 0;41318
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 6; 3911.9; 24-JAN-2010 14:32:58; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;41318
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 8; 4472.3; 24-JAN-2010 14:42:18; Bright; 58.0; 133; 40Zet Her ; 2.81; 6000;occ; 116; 0;41318
 9; 4672.3; 24-JAN-2010 14:45:38; Bright; 60.0; 127; 27Bet Her ; 2.78; 4700;occ; 120; 0;41318
10; 4769.7; 24-JAN-2010 14:47:16; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;41318
11; 5507.1; 24-JAN-2010 14:59:33; Dark ; 46.0; 16; 21Alp Sco ; 1.02; 3000;occ; 92; 0;41318
12; 5962.4; 24-JAN-2010 15:07:08; Dark ; 43.0; 109; Bet Lup ; 2.68; 26000;occ; 86; 0;41318
13; 6051.3; 24-JAN-2010 15:08:37; Dark ; 44.0; 78; Alp Lup ; 2.30; 28000;occ; 88; 0;41318
14; 6175.2; 24-JAN-2010 15:10:41; Dark ; 50.0; 4; Alp1Cen ; -0.01; 5800;occ; 100; 0;41318
15; 6448.5; 24-JAN-2010 15:15:15; Dark ; 44.5; 12; Alp1Cru ; 0.77; 30000;occ; 89; 0;41318
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 2; 1498.4; 24-JAN-2010 15:33:20; Dark ; 39.5; 179; 240mi2CMA ; 3.03; 24000;occ; 79; 0;41319
 3; 1627.9; 24-JAN-2010 15:35:30; Dark ; 45.0; 1; 9Alp CMA ; -1.44; 11000;occ; 90; 0;41319
 4; 1995.7; 24-JAN-2010 15:41:38; Dark ; 50.0; 8; 10Alp CMI ; 0.40; 6500;occ; 100; 0;41319
 5; 2188.1; 24-JAN-2010 15:44:50; Bright; 42.0; 44; 24Gam Gem ; 1.93; 11000;occ; 84; 0;41319
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 7; 2676.7; 24-JAN-2010 15:52:59; Bright; 34.5; 42; 34Bet Aur ; 1.90; 10200;occ; 69; 0;41319
 8; 3911.7; 24-JAN-2010 16:13:34; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;41319

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```

9; 4085.4; 24-JAN-2010 16:16:27; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;41319
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11; 4672.7; 24-JAN-2010 16:26:15; Bright; 41.0; 127; 27Bet Her ; 2.78; 4700;occ; 82; 0;41319
12; 4769.9; 24-JAN-2010 16:27:52; Bright; 34.0; 59; 55Alp Oph ; 2.08; 8900;occ; 68; 0;41319
13; 4896.2; 24-JAN-2010 16:29:58; Bright; 52.0; 126; 60Bet Oph ; 2.77; 4250;occ; 104; 0;41319
14; 5237.1; 24-JAN-2010 16:35:39; Dark ; 44.5; 98; 13Zet Oph ; 2.57; 30000;occ; 89; 0;41319
15; 5507.5; 24-JAN-2010 16:40:10; Dark ; 48.0; 16; 21Alp Sco ; 1.02; 3000;occ; 96; 0;41319
16; 5593.2; 24-JAN-2010 16:41:35; Dark ; 45.0; 75; 26Eps Sco ; 2.29; 4250;occ; 90; 0;41319
17; 5842.0; 24-JAN-2010 16:45:44; Dark ; 42.5; 131; Gam Lup ; 2.80; 26000;occ; 85; 0;41319
18; 5963.4; 24-JAN-2010 16:47:45; Dark ; 42.5; 109; Bet Lup ; 2.68; 26000;occ; 85; 0;41319
19; 6052.1; 24-JAN-2010 16:49:14; Dark ; 44.5; 78; Alp Lup ; 2.30; 28000;occ; 89; 0;41319
20; 6175.7; 24-JAN-2010 16:51:18; Dark ; 50.0; 4; Alp1Cen ; -0.01; 5800;occ; 100; 0;41319
21; 6822.7; 24-JAN-2010 17:02:05; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;41319
22; 6930.9; 24-JAN-2010 17:03:53; Dark ; 42.5; 46; Del Vel ; 1.95; 10600;occ; 85; 0;41319
23; 7087.5; 24-JAN-2010 17:06:29; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;41319
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3; 1498.5; 24-JAN-2010 17:13:56; Dark ; 39.0; 179; 240mi2CMA ; 3.03; 24000;occ; 78; 0;41320
4; 1628.3; 24-JAN-2010 17:16:06; Dark ; 41.5; 1; 9Alp CMA ; -1.44; 11000;occ; 83; 0;41320
5; 1995.7; 24-JAN-2010 17:22:14; Dark ; 54.5; 8; 10Alp CMi ; 0.40; 6500;occ; 109; 0;41320
6; 2188.0; 24-JAN-2010 17:25:26; Bright; 42.0; 44; 24Gam Gem ; 1.93; 11000;occ; 84; 0;41320
7; 2294.8; 24-JAN-2010 17:27:13; Bright; 38.0; 151; 13Mu Gem ; 2.89; 3000;occ; 76; 0;41320
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9; 3426.6; 24-JAN-2010 17:46:05; Bright; 38.0; 49; 1Alp UMi ; 1.99; 6300;occ; 76; 0;41320
10; 4085.5; 24-JAN-2010 17:57:04; Bright; 34.5; 130; 23Bet Dra ; 2.80; 5800;occ; 69; 0;41320
11; 4472.4; 24-JAN-2010 18:03:30; Bright; 40.0; 133; 40Zet Her ; 2.81; 6000;occ; 80; 0;41320
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13; 5508.2; 24-JAN-2010 18:20:46; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;41320
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16; 6176.3; 24-JAN-2010 18:31:54; Dark ; 41.5; 4; Alp1Cen ; -0.01; 5800;occ; 83; 0;41320
17; 6822.9; 24-JAN-2010 18:42:41; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;41320
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3; 1498.7; 24-JAN-2010 18:54:33; Dark ; 38.5; 179; 240mi2CMA ; 3.03; 24000;occ; 77; 0;41321
4; 1628.4; 24-JAN-2010 18:56:42; Dark ; 43.0; 1; 9Alp CMA ; -1.44; 11000;occ; 86; 0;41321
5; 1995.5; 24-JAN-2010 19:02:49; Dark ; 56.0; 8; 10Alp CMi ; 0.40; 6500;occ; 112; 0;41321
6; 2188.1; 24-JAN-2010 19:06:02; Bright; 40.0; 44; 24Gam Gem ; 1.93; 11000;occ; 80; 0;41321
7; 2294.9; 24-JAN-2010 19:07:49; Bright; 39.5; 151; 13Mu Gem ; 2.89; 3000;occ; 79; 0;41321
8; 2676.7; 24-JAN-2010 19:14:11; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;41321
9; 3426.5; 24-JAN-2010 19:26:41; Bright; 39.0; 49; 1Alp UMi ; 1.99; 6300;occ; 78; 0;41321
10; 4472.8; 24-JAN-2010 19:44:07; Bright; 38.0; 133; 40Zet Her ; 2.81; 6000;occ; 76; 0;41321
11; 4672.9; 24-JAN-2010 19:47:27; Bright; 41.5; 127; 27Bet Her ; 2.78; 4700;occ; 83; 0;41321
12; 4896.7; 24-JAN-2010 19:51:11; Bright; 52.0; 126; 60Bet Oph ; 2.77; 4250;occ; 104; 0;41321
13; 5508.6; 24-JAN-2010 20:01:23; Dark ; 46.0; 16; 21Alp Sco ; 1.02; 3000;occ; 92; 0;41321
14; 5843.3; 24-JAN-2010 20:06:57; Dark ; 40.0; 131; Gam Lup ; 2.80; 26000;occ; 80; 0;41321
15; 5965.0; 24-JAN-2010 20:08:59; Dark ; 41.5; 109; Bet Lup ; 2.68; 26000;occ; 83; 0;41321
16; 6053.6; 24-JAN-2010 20:10:28; Dark ; 44.5; 78; Alp Lup ; 2.30; 28000;occ; 89; 0;41321
17; 6450.1; 24-JAN-2010 20:17:04; Dark ; 45.5; 12; Alp1Cru ; 0.77; 30000;occ; 91; 0;41321
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2; -68.6; 25-JAN-2010 01:10:49; Dark ; 42.0; 109; Bet Lup ; 2.68; 26000;occ; 84; 0;41324
3; 20.0; 25-JAN-2010 01:12:18; Dark ; 42.5; 78; Alp Lup ; 2.30; 28000;occ; 85; 0;41325
4; 142.3; 25-JAN-2010 01:14:20; Dark ; 41.5; 4; Alp1Cen ; -0.01; 5800;occ; 83; 0;41325
5; 233.6; 25-JAN-2010 01:15:51; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;41325
6; 415.9; 25-JAN-2010 01:18:53; Dark ; 42.0; 12; Alp1Cru ; 0.77; 30000;occ; 84; 0;41325
7; 528.0; 25-JAN-2010 01:20:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41325
8; 674.2; 25-JAN-2010 01:23:12; Dark ; 39.0; 159; Ups Car ; 2.92; 7200;occ; 78; 0;41325
9; 788.5; 25-JAN-2010 01:25:06; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;41325
10; 896.6; 25-JAN-2010 01:26:54; Dark ; 44.0; 46; Del Vel ; 1.95; 10600;occ; 88; 0;41325
11; 1052.8; 25-JAN-2010 01:29:30; Dark ; 44.0; 34; Gam2Vel ; 1.79; 23000;occ; 88; 0;41325
12; 1393.1; 25-JAN-2010 01:35:11; Dark ; 40.5; 88; 31Eta CMA ; 2.45; 20000;occ; 81; 0;41325
13; 1499.2; 25-JAN-2010 01:36:57; Dark ; 39.0; 179; 240mi2CMA ; 3.03; 24000;occ; 78; 0;41325

```


14; 1995.4; 25-JAN-2010 01:45:13; Dark ; 48.5; 8; 10Alp Cmi ; 0.40; 6500;occ; 97; 0;41325
 15; 2188.5; 25-JAN-2010 01:48:26; Bright; 42.0; 44; 24Gam Gem ; 1.93; 11000;occ; 84; 0;41325
 16; 2295.2; 25-JAN-2010 01:50:13; Bright; 41.0; 151; 13Mu Gem ; 2.89; 3000;occ; 82; 0;41325
 17; 2549.2; 25-JAN-2010 01:54:27; Bright; 35.5; 107; 37The Aur ; 2.65; 11000;occ; 71; 0;41325
 18; 2677.3; 25-JAN-2010 01:56:35; Bright; 36.5; 42; 34Bet Aur ; 1.90; 10200;occ; 73; 0;41325
 19; 3426.6; 25-JAN-2010 02:09:04; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;41325
 20; 3636.7; 25-JAN-2010 02:12:34; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;41325
 21; 3910.9; 25-JAN-2010 02:17:08; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;41325
 22; 4085.9; 25-JAN-2010 02:20:03; Bright; 47.0; 130; 23Bet Dra ; 2.80; 5800;occ; 94; 0;41325
 23; 4473.5; 25-JAN-2010 02:26:31; Bright; 40.5; 133; 40Zet Her ; 2.81; 6000;occ; 81; 0;41325
 24; 4674.1; 25-JAN-2010 02:29:52; Bright; 41.0; 127; 27Bet Her ; 2.78; 4700;occ; 82; 0;41325
 25; 4771.3; 25-JAN-2010 02:31:29; Bright; 34.0; 59; 55Alp Oph ; 2.08; 8900;occ; 68; 0;41325
 26; 4898.0; 25-JAN-2010 02:33:36; Bright; 52.0; 126; 60Bet Oph ; 2.77; 4250;occ; 104; 0;41325
 27; 5240.2; 25-JAN-2010 02:39:18; Dark ; 43.0; 98; 13Zet Oph ; 2.57; 30000;occ; 86; 0;41325
 28; 5511.0; 25-JAN-2010 02:43:49; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;41325
 29; 5596.0; 25-JAN-2010 02:45:14; Dark ; 50.5; 75; 26Eps Sco ; 2.29; 4250;occ; 101; 0;41325
 30; 5968.1; 25-JAN-2010 02:51:26; Dark ; 43.5; 109; Bet Lup ; 2.68; 26000;occ; 87; 0;41325
 31; 6056.8; 25-JAN-2010 02:52:54; Dark ; 43.5; 78; Alp Lup ; 2.30; 28000;occ; 87; 0;41325
 32; 6178.7; 25-JAN-2010 02:54:56; Dark ; 41.5; 4; Alp1Cen ; -0.01; 5800;occ; 83; 0;41325
 33; 6452.4; 25-JAN-2010 02:59:30; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;41325
 34; 6564.7; 25-JAN-2010 03:01:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41325
 35; 6825.0; 25-JAN-2010 03:05:43; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;41325
 36; 6933.0; 25-JAN-2010 03:07:31; Dark ; 41.0; 46; Del Vel ; 1.95; 10600;occ; 82; 0;41325
 37; 7089.1; 25-JAN-2010 03:10:07; Dark ; 40.5; 34; Gam2Vel ; 1.79; 23000;occ; 81; 0;41325
 38; 7215.5; 25-JAN-2010 03:12:13; Dark ; 40.5; 70; Zet Pup ; 2.25; 39000;occ; 81; 0;41325
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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20100125_225106_000058372086_00201_41337_9383.N1

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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20100125_071435_000039252086_00192_41328_6112.N1

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 12; 23.3; 25-JAN-2010 07:54:45; Dark ; 43.5; 78; Alp Lup ; 2.30; 28000;occ; 87; 0;41329
 13; 143.9; 25-JAN-2010 07:56:45; Dark ; 43.5; 4; Alp1Cen ;-0.01; 5800;occ; 87; 0;41329
 14; 236.6; 25-JAN-2010 07:58:18; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;41329
 15; 417.8; 25-JAN-2010 08:01:19; Dark ; 50.0; 12; Alp1Cru ; 0.77; 30000;occ; 100; 0;41329
 16; 531.4; 25-JAN-2010 08:03:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41329
 17; 675.7; 25-JAN-2010 08:05:37; Dark ; 39.5; 159; Ups Car ; 2.92; 7200;occ; 79; 0;41329
 18; 1180.5; 25-JAN-2010 08:14:02; Dark ; 39.0; 70; Zet Pup ; 2.25; 39000;occ; 78; 0;41329
 19; 1499.9; 25-JAN-2010 08:19:21; Dark ; 39.0; 179; 240mi2CMa ; 3.03; 24000;occ; 78; 0;41329

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20100125_082736_000055772086_00193_41329_6113.N1

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 3; 2295.5; 25-JAN-2010 08:32:37; Bright; 52.0; 151; 13Mu Gem ; 2.89; 3000;occ; 104; 0;41329

4; 2413.6; 25-JAN-2010 08:34:35; Bright; 38.5; 17; 78Bet Gem ; 1.16; 4500;occ; 77; 0;41329
5; 2572.8; 25-JAN-2010 08:37:14; Bright; 13.5; 107; 37The Aur ; 2.65; 11000;occ; 27; 0;41329
6; 2677.7; 25-JAN-2010 08:38:59; Bright; 36.5; 42; 34Bet Aur ; 1.90; 10200;occ; 73; 0;41329
7; 3426.6; 25-JAN-2010 08:51:28; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;41329
8; 3635.9; 25-JAN-2010 08:54:57; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;41329
9; 3910.3; 25-JAN-2010 08:59:32; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;41329
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11; 4473.7; 25-JAN-2010 09:08:55; Bright; 58.0; 133; 40Zet Her ; 2.81; 6000;occ; 116; 0;41329
12; 4675.2; 25-JAN-2010 09:12:17; Bright; 60.0; 127; 27Bet Her ; 2.78; 4700;occ; 120; 0;41329
13; 4772.1; 25-JAN-2010 09:13:53; Bright; 53.0; 59; 55Alp Oph ; 2.08; 8900;occ; 106; 0;41329
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16; 5272.2; 25-JAN-2010 09:22:14; Dark ; 44.0; 86; 35Eta Oph ; 2.43; 10200;occ; 88; 0;41329
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19; 6059.8; 25-JAN-2010 09:35:21; Dark ; 43.5; 78; Alp Lup ; 2.30; 28000;occ; 87; 0;41329
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22; 6454.6; 25-JAN-2010 09:41:56; Dark ; 42.0; 12; Alp1Cru ; 0.77; 30000;occ; 84; 0;41329
23; 6568.2; 25-JAN-2010 09:43:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41329
24; 6711.9; 25-JAN-2010 09:46:13; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41329
25; 7216.6; 25-JAN-2010 09:54:38; Dark ; 41.5; 70; Zet Pup ; 2.25; 39000;occ; 83; 0;41329
26; 7430.0; 25-JAN-2010 09:58:11; Dark ; 40.5; 88; 31Eta CMa ; 2.45; 20000;occ; 81; 0;41329
27; 7536.3; 25-JAN-2010 09:59:58; Dark ; 36.5; 179; 240mi2CMa ; 3.03; 24000;occ; 73; 0;41329

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20100125_100812_000055802086_00194_41330_6114.N1

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3; 2295.6; 25-JAN-2010 10:13:13; Bright; 38.5; 151; 13Mu Gem ; 2.89; 3000;occ; 77; 0;41330
4; 2413.3; 25-JAN-2010 10:15:11; Bright; 58.0; 17; 78Bet Gem ; 1.16; 4500;occ; 116; 0;41330
5; 2677.8; 25-JAN-2010 10:19:35; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;41330
6; 3635.3; 25-JAN-2010 10:35:33; Bright; 42.5; 60; 7Bet UMi ; 2.08; 3950;occ; 85; 0;41330
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8; 4085.8; 25-JAN-2010 10:43:03; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;41330
9; 4473.7; 25-JAN-2010 10:49:31; Bright; 58.0; 133; 40Zet Her ; 2.81; 6000;occ; 116; 0;41330
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11; 4772.4; 25-JAN-2010 10:54:30; Bright; 34.5; 59; 55Alp Oph ; 2.08; 8900;occ; 69; 0;41330
12; 4899.0; 25-JAN-2010 10:56:36; Bright; 52.0; 126; 60Bet Oph ; 2.77; 4250;occ; 104; 0;41330
13; 5272.5; 25-JAN-2010 11:02:50; Dark ; 54.0; 86; 35Eta Oph ; 2.43; 10200;occ; 108; 0;41330
14; 5513.4; 25-JAN-2010 11:06:51; Dark ; 47.0; 16; 21Alp Sco ; 1.02; 3000;occ; 94; 0;41330
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16; 5848.9; 25-JAN-2010 11:12:26; Dark ; 41.5; 131; Gam Lup ; 2.80; 26000;occ; 83; 0;41330
17; 5972.1; 25-JAN-2010 11:14:29; Dark ; 43.0; 109; Bet Lup ; 2.68; 26000;occ; 86; 0;41330
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19; 6181.0; 25-JAN-2010 11:17:58; Dark ; 40.5; 4; Alp1Cen ;-0.01; 5800;occ; 81; 0;41330
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21; 6455.0; 25-JAN-2010 11:22:32; Dark ; 43.5; 12; Alp1Cru ; 0.77; 30000;occ; 87; 0;41330
22; 6569.0; 25-JAN-2010 11:24:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41330
23; 6712.3; 25-JAN-2010 11:26:50; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41330
24; 7216.7; 25-JAN-2010 11:35:14; Dark ; 42.5; 70; Zet Pup ; 2.25; 39000;occ; 85; 0;41330
25; 7305.6; 25-JAN-2010 11:36:43; Dark ; 45.0; 117; Pi Pup ; 2.71; 3800;occ; 90; 0;41330
26; 7430.2; 25-JAN-2010 11:38:47; Dark ; 41.5; 88; 31Eta CMa ; 2.45; 20000;occ; 83; 0;41330
27; 7536.2; 25-JAN-2010 11:40:34; Dark ; 39.0; 179; 240mi2CMa ; 3.03; 24000;occ; 78; 0;41330

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20100125_114110_000060392086_00195_41331_6115.N1

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3; 2188.7; 25-JAN-2010 11:52:02; Bright; 42.0; 44; 24Gam Gem ; 1.93; 11000;occ; 84; 0;41331
4; 2295.8; 25-JAN-2010 11:53:49; Bright; 39.0; 151; 13Mu Gem ; 2.89; 3000;occ; 78; 0;41331
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7; 3426.4; 25-JAN-2010 12:12:40; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;41331
8; 3635.4; 25-JAN-2010 12:16:09; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;41331
9; 3909.9; 25-JAN-2010 12:20:43; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;41331
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12; 4675.9; 25-JAN-2010 12:33:29; Bright; 60.0; 127; 27Bet Her ; 2.78; 4700;occ; 120; 0;41331
13; 4772.5; 25-JAN-2010 12:35:06; Bright; 53.0; 59; 55Alp Oph ; 2.08; 8900;occ; 106; 0;41331
14; 4899.4; 25-JAN-2010 12:37:13; Bright; 34.0; 126; 60Bet Oph ; 2.77; 4250;occ; 68; 0;41331
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19; 6061.4; 25-JAN-2010 12:56:34; Dark ; 42.0; 78; Alp Lup ; 2.30; 28000;occ; 84; 0;41331
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22; 6569.9; 25-JAN-2010 13:05:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41331
23; 6712.6; 25-JAN-2010 13:07:26; Dark ; 37.0; 159; Ups Car ; 2.92; 7200;occ; 74; 0;41331
24; 6827.1; 25-JAN-2010 13:09:20; Dark ; 47.0; 71; Iot Car ; 2.25; 7700;occ; 94; 0;41331
25; 6935.1; 25-JAN-2010 13:11:08; Dark ; 45.5; 46; Del Vel ; 1.95; 10600;occ; 91; 0;41331
26; 7090.8; 25-JAN-2010 13:13:44; Dark ; 41.5; 34; Gam2Vel ; 1.79; 23000;occ; 83; 0;41331
27; 7217.0; 25-JAN-2010 13:15:50; Dark ; 42.0; 70; Zet Pup ; 2.25; 39000;occ; 84; 0;41331
28; 7305.6; 25-JAN-2010 13:17:19; Dark ; 41.0; 117; Pi Pup ; 2.71; 3800;occ; 82; 0;41331
29; 7430.4; 25-JAN-2010 13:19:24; Dark ; 41.0; 88; 31Eta CMA ; 2.45; 20000;occ; 82; 0;41331
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17; 5850.6; 25-JAN-2010 14:33:40; Dark ; 41.5; 131; Gam Lup ; 2.80; 26000;occ; 83; 0;41332
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23; 6570.8; 25-JAN-2010 14:45:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41332
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25; 6827.4; 25-JAN-2010 14:49:56; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;41332
26; 6935.3; 25-JAN-2010 14:51:44; Dark ; 42.0; 46; Del Vel ; 1.95; 10600;occ; 84; 0;41332
27; 7091.4; 25-JAN-2010 14:54:20; Dark ; 41.0; 34; Gam2Vel ; 1.79; 23000;occ; 82; 0;41332
28; 7217.7; 25-JAN-2010 14:56:27; Dark ; 41.5; 70; Zet Pup ; 2.25; 39000;occ; 83; 0;41332
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7; 2678.1; 25-JAN-2010 15:21:23; Bright; 34.5; 42; 34Bet Aur ; 1.90; 10200;occ; 69; 0;41333
8; 3635.1; 25-JAN-2010 15:37:20; Bright; 57.0; 60; 7Bet UMi ; 2.08; 3950;occ; 114; 0;41333
9; 3910.1; 25-JAN-2010 15:41:55; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;41333
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12; 4676.7; 25-JAN-2010 15:54:42; Bright; 40.0; 127; 27Bet Her ; 2.78; 4700;occ; 80; 0;41333
13; 4773.2; 25-JAN-2010 15:56:18; Bright; 41.0; 59; 55Alp Oph ; 2.08; 8900;occ; 82; 0;41333
14; 4900.1; 25-JAN-2010 15:58:25; Bright; 34.0; 126; 60Bet Oph ; 2.77; 4250;occ; 68; 0;41333
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16; 5273.8; 25-JAN-2010 16:04:39; Dark ; 46.0; 86; 35Eta Oph ; 2.43; 10200;occ; 92; 0;41333
17; 5515.3; 25-JAN-2010 16:08:40; Dark ; 45.5; 16; 21Alp Sco ; 1.02; 3000;occ; 91; 0;41333
18; 5599.2; 25-JAN-2010 16:10:04; Dark ; 43.5; 75; 26Eps Sco ; 2.29; 4250;occ; 87; 0;41333
19; 5851.5; 25-JAN-2010 16:14:16; Dark ; 40.5; 131; Gam Lup ; 2.80; 26000;occ; 81; 0;41333
20; 5974.7; 25-JAN-2010 16:16:20; Dark ; 43.5; 109; Bet Lup ; 2.68; 26000;occ; 87; 0;41333
21; 6063.0; 25-JAN-2010 16:17:48; Dark ; 43.5; 78; Alp Lup ; 2.30; 28000;occ; 87; 0;41333

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 24; 6456.8; 25-JAN-2010 16:24:22; Dark ; 47.0; 12; Alp1Cru ; 0.77; 30000;occ; 94; 0;41333
 25; 6571.8; 25-JAN-2010 16:26:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41333
 26; 6713.4; 25-JAN-2010 16:28:38; Dark ; 38.5; 159; Ups Car ; 2.92; 7200;occ; 77; 0;41333
 27; 6828.0; 25-JAN-2010 16:30:33; Dark ; 2.0; 71; Iot Car ; 2.25; 7700;occ; 4; 0;41333
 28; 7091.5; 25-JAN-2010 16:34:56; Dark ; 43.0; 34; Gam2Vel ; 1.79; 23000;occ; 86; 0;41333
 29; 7306.3; 25-JAN-2010 16:38:31; Dark ; 4.0; 117; Pi Pup ; 2.71; 3800;occ; 8; 0;41333

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20100125_163831_000054862086_00198_41334_6118.N1

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 6; 2296.1; 25-JAN-2010 16:55:37; Bright; 39.5; 151; 13Mu Gem ; 2.89; 3000;occ; 79; 0;41334
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 11; 3909.7; 25-JAN-2010 17:22:31; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;41334
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 14; 4676.7; 25-JAN-2010 17:35:18; Bright; 41.0; 127; 27Bet Her ; 2.78; 4700;occ; 82; 0;41334
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 16; 4900.2; 25-JAN-2010 17:39:01; Bright; 34.0; 126; 60Bet Oph ; 2.77; 4250;occ; 68; 0;41334
 17; 5599.7; 25-JAN-2010 17:50:41; Dark ; 43.5; 75; 26Eps Sco ; 2.29; 4250;occ; 87; 0;41334
 18; 5852.1; 25-JAN-2010 17:54:53; Dark ; 41.0; 131; Gam Lup ; 2.80; 26000;occ; 82; 0;41334
 19; 5975.3; 25-JAN-2010 17:56:56; Dark ; 43.5; 109; Bet Lup ; 2.68; 26000;occ; 87; 0;41334
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 25; 6713.8; 25-JAN-2010 18:09:15; Dark ; 43.0; 159; Ups Car ; 2.92; 7200;occ; 86; 0;41334

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20100125_181739_000057642086_00199_41335_6119.N1

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 8; 2678.2; 25-JAN-2010 18:42:35; Bright; 36.0; 42; 34Bet Aur ; 1.90; 10200;occ; 72; 0;41335
 9; 3634.5; 25-JAN-2010 18:58:31; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;41335
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 13; 4676.9; 25-JAN-2010 19:15:54; Bright; 60.0; 127; 27Bet Her ; 2.78; 4700;occ; 120; 0;41335
 14; 4773.3; 25-JAN-2010 19:17:30; Bright; 35.5; 59; 55Alp Oph ; 2.08; 8900;occ; 71; 0;41335
 15; 4900.4; 25-JAN-2010 19:19:37; Bright; 34.0; 126; 60Bet Oph ; 2.77; 4250;occ; 68; 0;41335
 16; 5176.5; 25-JAN-2010 19:24:13; Dark ; 51.5; 120; 1Del Oph ; 2.73; 3200;occ; 103; 0;41335
 17; 5274.4; 25-JAN-2010 19:25:51; Dark ; 44.5; 86; 35Eta Oph ; 2.43; 10200;occ; 89; 0;41335
 18; 5516.3; 25-JAN-2010 19:29:53; Dark ; 49.0; 16; 21Alp Sco ; 1.02; 3000;occ; 98; 0;41335
 19; 5599.9; 25-JAN-2010 19:31:17; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;41335
 20; 5852.7; 25-JAN-2010 19:35:30; Dark ; 44.0; 131; Gam Lup ; 2.80; 26000;occ; 88; 0;41335
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 22; 6064.4; 25-JAN-2010 19:39:01; Dark ; 43.5; 78; Alp Lup ; 2.30; 28000;occ; 87; 0;41335
 23; 6183.8; 25-JAN-2010 19:41:01; Dark ; 41.0; 4; Alp1Cen ; -0.01; 5800;occ; 82; 0;41335
 24; 6278.0; 25-JAN-2010 19:42:35; Dark ; 42.0; 77; Eps Cen ; 2.30; 28000;occ; 84; 0;41335
 25; 6457.7; 25-JAN-2010 19:45:35; Dark ; 40.5; 12; Alp1Cru ; 0.77; 30000;occ; 81; 0;41335
 26; 6573.5; 25-JAN-2010 19:47:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41335
 27; 6714.2; 25-JAN-2010 19:49:51; Dark ; 37.5; 159; Ups Car ; 2.92; 7200;occ; 75; 0;41335
 28; 6828.4; 25-JAN-2010 19:51:45; Dark ; 47.5; 71; Iot Car ; 2.25; 7700;occ; 95; 0;41335
 29; 6936.0; 25-JAN-2010 19:53:33; Dark ; 10.5; 46; Del Vel ; 1.95; 10600;occ; 21; 0;41335

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20100126_002822_000056532086_00202_41338_9384.N1

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 2; -517.9; 26-JAN-2010 00:31:43; Dark ; 46.5; 16; 21Alp Sco ; 1.02; 3000;occ; 93; 0;41338
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9; 540.1; 26-JAN-2010 00:49:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41339
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11; 793.4; 26-JAN-2010 00:53:34; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;41339
12; 901.0; 26-JAN-2010 00:55:22; Dark ; 42.0; 46; Del Vel ; 1.95; 10600;occ; 84; 0;41339
13; 1056.7; 26-JAN-2010 00:57:57; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;41339
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16; 1395.9; 26-JAN-2010 01:03:36; Dark ; 40.5; 88; 31Eta CMa ; 2.45; 20000;occ; 81; 0;41339
17; 1501.7; 26-JAN-2010 01:05:22; Dark ; 40.0; 179; 240mi2CMa ; 3.03; 24000;occ; 80; 0;41339
18; 1994.3; 26-JAN-2010 01:13:35; Dark ; 50.5; 8; 10Alp CMi ; 0.40; 6500;occ; 101; 0;41339
19; 2189.0; 26-JAN-2010 01:16:49; Bright; 41.0; 44; 24Gam Gem ; 1.93; 11000;occ; 82; 0;41339
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22; 2678.5; 26-JAN-2010 01:24:59; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;41339
23; 3426.4; 26-JAN-2010 01:37:27; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;41339
24; 3633.6; 26-JAN-2010 01:40:54; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;41339
25; 3909.2; 26-JAN-2010 01:45:30; Bright; 56.0; 119; 14Eta Dra ; 2.73; 4700;occ; 112; 0;41339
26; 4086.1; 26-JAN-2010 01:48:27; Bright; 40.5; 130; 23Bet Dra ; 2.80; 5800;occ; 81; 0;41339
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28; 4678.2; 26-JAN-2010 01:58:19; Bright; 44.5; 127; 27Bet Her ; 2.78; 4700;occ; 89; 0;41339
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11; 541.0; 26-JAN-2010 02:29:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41340
12; 679.3; 26-JAN-2010 02:32:16; Dark ; 41.5; 159; Ups Car ; 2.92; 7200;occ; 83; 0;41340
13; 794.0; 26-JAN-2010 02:34:10; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;41340
14; 901.7; 26-JAN-2010 02:35:58; Dark ; 39.5; 46; Del Vel ; 1.95; 10600;occ; 79; 0;41340
15; 1057.2; 26-JAN-2010 02:38:34; Dark ; 44.0; 34; Gam2Vel ; 1.79; 23000;occ; 88; 0;41340
16; 1183.3; 26-JAN-2010 02:40:40; Dark ; 40.5; 70; Zet Pup ; 2.25; 39000;occ; 81; 0;41340
17; 1271.3; 26-JAN-2010 02:42:08; Dark ; 43.5; 117; Pi Pup ; 2.71; 3800;occ; 87; 0;41340
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23; 2410.6; 26-JAN-2010 03:01:07; Bright; 44.0; 17; 78Bet Gem ; 1.16; 4500;occ; 88; 0;41340
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7; -1134.4; 26-JAN-2010 03:42:38; Bright; 52.0; 126; 60Bet Oph ; 2.77; 4250;occ; 104; 0;41340
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10; -516.9; 26-JAN-2010 03:52:55; Dark ; 46.5; 16; 21Alp Sco ; 1.02; 3000;occ; 93; 0;41340
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12; -179.5; 26-JAN-2010 03:58:33; Dark ; 40.5; 131; Gam Lup ; 2.80; 26000;occ; 81; 0;41340
13; -55.4; 26-JAN-2010 04:00:37; Dark ; 42.5; 109; Bet Lup ; 2.68; 26000;occ; 85; 0;41340
14; 32.6; 26-JAN-2010 04:02:05; Dark ; 47.5; 78; Alp Lup ; 2.30; 28000;occ; 95; 0;41341

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16; 245.9; 26-JAN-2010 04:05:38; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;41341
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18; 541.8; 26-JAN-2010 04:10:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41341
19; 680.0; 26-JAN-2010 04:12:52; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41341
20; 794.5; 26-JAN-2010 04:14:47; Dark ; 38.0; 71; Iot Car ; 2.25; 7700;occ; 76; 0;41341
21; 902.0; 26-JAN-2010 04:16:34; Dark ; 44.5; 46; Del Vel ; 1.95; 10600;occ; 89; 0;41341
22; 1057.7; 26-JAN-2010 04:19:10; Dark ; 41.5; 34; Gam2Vel ; 1.79; 23000;occ; 83; 0;41341
23; 1183.8; 26-JAN-2010 04:21:16; Dark ; 41.0; 70; Zet Pup ; 2.25; 39000;occ; 82; 0;41341
24; 1271.7; 26-JAN-2010 04:22:44; Dark ; 43.0; 117; Pi Pup ; 2.71; 3800;occ; 86; 0;41341
25; 1396.3; 26-JAN-2010 04:24:49; Dark ; 39.5; 88; 31Eta CMa ; 2.45; 20000;occ; 79; 0;41341
26; 1502.0; 26-JAN-2010 04:26:34; Dark ; 38.5; 179; 240mi2CMa ; 3.03; 24000;occ; 77; 0;41341
27; 1994.2; 26-JAN-2010 04:34:47; Dark ; 46.5; 8; 10Alp CMi ; 0.40; 6500;occ; 93; 0;41341
28; 2189.5; 26-JAN-2010 04:38:02; Bright; 40.0; 44; 24Gam Gem ; 1.93; 11000;occ; 80; 0;41341
29; 2296.9; 26-JAN-2010 04:39:49; Bright; 39.0; 151; 13Mu Gem ; 2.89; 3000;occ; 78; 0;41341
30; 2410.3; 26-JAN-2010 04:41:43; Bright; 41.0; 17; 78Bet Gem ; 1.16; 4500;occ; 82; 0;41341
31; 2678.8; 26-JAN-2010 04:46:11; Bright; 36.0; 42; 34Bet Aur ; 1.90; 10200;occ; 72; 0;41341
32; 3426.9; 26-JAN-2010 04:58:39; Bright; 38.0; 49; 1Alp UMi ; 1.99; 6300;occ; 76; 0;41341
33; 3633.2; 26-JAN-2010 05:02:06; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;41341
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4; -1560.4; 26-JAN-2010 05:16:08; Bright; 41.0; 133; 40Zet Her ; 2.81; 6000;occ; 82; 0;41341
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7; -1133.9; 26-JAN-2010 05:23:14; Bright; 33.5; 126; 60Bet Oph ; 2.77; 4250;occ; 67; 0;41341
8; -855.6; 26-JAN-2010 05:27:53; Dark ; 54.0; 120; 1Del Oph ; 2.73; 3200;occ; 108; 0;41341
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10; -516.4; 26-JAN-2010 05:33:32; Dark ; 53.5; 16; 21Alp Sco ; 1.02; 3000;occ; 107; 0;41341
11; -433.3; 26-JAN-2010 05:34:55; Dark ; 43.0; 75; 26Eps Sco ; 2.29; 4250;occ; 86; 0;41341
12; -179.0; 26-JAN-2010 05:39:09; Dark ; 44.0; 131; Gam Lup ; 2.80; 26000;occ; 88; 0;41341
13; -54.8; 26-JAN-2010 05:41:14; Dark ; 42.0; 109; Bet Lup ; 2.68; 26000;occ; 84; 0;41341
14; 33.4; 26-JAN-2010 05:42:42; Dark ; 50.5; 78; Alp Lup ; 2.30; 28000;occ; 101; 0;41342
15; 150.9; 26-JAN-2010 05:44:39; Dark ; 55.0; 4; Alp1Cen ; -0.01; 5800;occ; 110; 0;41342
16; 246.4; 26-JAN-2010 05:46:15; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;41342
17; 425.1; 26-JAN-2010 05:49:13; Dark ; 46.5; 12; Alp1Cru ; 0.77; 30000;occ; 93; 0;41342
18; 542.7; 26-JAN-2010 05:51:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41342
19; 794.8; 26-JAN-2010 05:55:23; Dark ; 44.5; 71; Iot Car ; 2.25; 7700;occ; 89; 0;41342
20; 902.4; 26-JAN-2010 05:57:11; Dark ; 41.0; 46; Del Vel ; 1.95; 10600;occ; 82; 0;41342
21; 1058.1; 26-JAN-2010 05:59:46; Dark ; 41.5; 34; Gam2Vel ; 1.79; 23000;occ; 83; 0;41342
22; 1184.0; 26-JAN-2010 06:01:52; Dark ; 41.0; 70; Zet Pup ; 2.25; 39000;occ; 82; 0;41342
23; 1272.0; 26-JAN-2010 06:03:20; Dark ; 43.0; 117; Pi Pup ; 2.71; 3800;occ; 86; 0;41342
24; 1396.4; 26-JAN-2010 06:05:25; Dark ; 41.5; 88; 31Eta CMa ; 2.45; 20000;occ; 83; 0;41342
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27; 6832.2; 26-JAN-2010 12:37:48; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;41345
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8; 157.0; 27-JAN-2010 01:51:56; Dark ; 41.5; 4; Alp1Cen ;-0.01; 5800;occ; 83; 0;41354
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 18; 685.7; 27-JAN-2010 07:02:33; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41357
 19; 800.3; 27-JAN-2010 07:04:27; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;41357
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5; 2681.2; 27-JAN-2010 07:35:48; Bright; 35.5; 42; 34Bet Aur ; 1.90; 10200;occ; 71; 0;41357
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9; 4086.8; 27-JAN-2010 07:59:14; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;41357
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26; 6836.6; 27-JAN-2010 08:45:04; Dark ; 38.0; 71; Iot Car ; 2.25; 7700;occ; 76; 0;41357
27; 6943.8; 27-JAN-2010 08:46:51; Dark ; 39.5; 46; Del Vel ; 1.95; 10600;occ; 79; 0;41357
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27; 7098.8; 27-JAN-2010 10:30:02; Dark ; 41.5; 34; Gam2Vel ; 1.79; 23000;occ; 83; 0;41358
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5; 2405.9; 27-JAN-2010 10:52:25; Bright; 42.5; 17; 78Bet Gem ; 1.16; 4500;occ; 85; 0;41359
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17; 5870.6; 27-JAN-2010 13:30:45; Dark ; 42.0; 131; Gam Lup ; 2.80; 26000;occ; 84; 0;41360
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22; 6471.6; 27-JAN-2010 13:40:46; Dark ; 39.0; 12; Alp1Cru ; 0.77; 30000;occ; 78; 0;41360
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 13; 4907.0; 27-JAN-2010 14:55:18; Bright; 34.5; 126; 60Bet Oph ; 2.77; 4250;occ; 69; 0;41361
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 4; 2299.4; 27-JAN-2010 15:52:26; Bright; 40.5; 151; 13Mu Gem ; 2.89; 3000;occ; 81; 0;41362
 5; 2405.4; 27-JAN-2010 15:54:12; Bright; 43.5; 17; 78Bet Gem ; 1.16; 4500;occ; 87; 0;41362
 6; 3427.1; 27-JAN-2010 16:11:14; Bright; 38.0; 49; 1Alp UMi ; 1.99; 6300;occ; 76; 0;41362
 7; 3628.6; 27-JAN-2010 16:14:35; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;41362
 8; 3906.2; 27-JAN-2010 16:19:13; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;41362
 9; 4086.7; 27-JAN-2010 16:22:13; Bright; 36.5; 130; 23Bet Dra ; 2.80; 5800;occ; 73; 0;41362
 10; 4478.2; 27-JAN-2010 16:28:45; Bright; 40.0; 133; 40Zet Her ; 2.81; 6000;occ; 80; 0;41362
 11; 4684.9; 27-JAN-2010 16:32:12; Bright; 62.0; 127; 27Bet Her ; 2.78; 4700;occ; 124; 0;41362
 12; 4780.4; 27-JAN-2010 16:33:47; Bright; 35.5; 59; 55Alp Oph ; 2.08; 8900;occ; 71; 0;41362
 13; 4907.2; 27-JAN-2010 16:35:54; Bright; 53.0; 126; 60Bet Oph ; 2.77; 4250;occ; 106; 0;41362
 14; 5285.6; 27-JAN-2010 16:42:12; Dark ; 43.0; 86; 35Eta Oph ; 2.43; 10200;occ; 86; 0;41362
 15; 5532.3; 27-JAN-2010 16:46:19; Dark ; 52.0; 16; 21Alp Sco ; 1.02; 3000;occ; 104; 0;41362
 16; 5612.2; 27-JAN-2010 16:47:39; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;41362
 17; 5872.2; 27-JAN-2010 16:51:59; Dark ; 42.5; 131; Gam Lup ; 2.80; 26000;occ; 85; 0;41362
 18; 5998.7; 27-JAN-2010 16:54:05; Dark ; 42.0; 109; Bet Lup ; 2.68; 26000;occ; 84; 0;41362
 19; 6086.2; 27-JAN-2010 16:55:33; Dark ; 42.5; 78; Alp Lup ; 2.30; 28000;occ; 85; 0;41362
 20; 6197.6; 27-JAN-2010 16:57:24; Dark ; 43.5; 4; Alp1Cen ;-0.01; 5800;occ; 87; 0;41362
 21; 6298.6; 27-JAN-2010 16:59:05; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;41362
 22; 6472.8; 27-JAN-2010 17:01:59; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;41362
 23; 6596.7; 27-JAN-2010 17:04:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41362
 24; 6723.6; 27-JAN-2010 17:06:10; Dark ; 42.0; 159; Ups Car ; 2.92; 7200;occ; 84; 0;41362
 25; 6838.4; 27-JAN-2010 17:08:05; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;41362
 26; 6945.2; 27-JAN-2010 17:09:52; Dark ; 43.0; 46; Del Vel ; 1.95; 10600;occ; 86; 0;41362
 27; 7099.8; 27-JAN-2010 17:12:27; Dark ; 42.5; 34; Gam2Vel ; 1.79; 23000;occ; 85; 0;41362

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20100127_171238_000060582086_00227_41363_6136.N1

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 2; 1189.4; 27-JAN-2010 17:14:32; Dark ; 41.5; 70; Zet Pup ; 2.25; 39000;occ; 83; 0;41363
 3; 1459.5; 27-JAN-2010 17:19:02; Dark ; 40.0; 37; 25Del CMA ; 1.83; 5900;occ; 80; 0;41363
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 7; 2405.1; 27-JAN-2010 17:34:48; Bright; 43.0; 17; 78Bet Gem ; 1.16; 4500;occ; 86; 0;41363
 8; 3427.1; 27-JAN-2010 17:51:50; Bright; 38.0; 49; 1Alp UMi ; 1.99; 6300;occ; 76; 0;41363
 9; 3628.4; 27-JAN-2010 17:55:11; Bright; 45.0; 60; 7Bet UMi ; 2.08; 3950;occ; 90; 0;41363
 10; 3905.8; 27-JAN-2010 17:59:49; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;41363
 11; 4086.9; 27-JAN-2010 18:02:50; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;41363
 12; 4478.5; 27-JAN-2010 18:09:21; Bright; 41.5; 133; 40Zet Her ; 2.81; 6000;occ; 83; 0;41363
 13; 4685.3; 27-JAN-2010 18:12:48; Bright; 42.5; 127; 27Bet Her ; 2.78; 4700;occ; 85; 0;41363
 14; 4780.7; 27-JAN-2010 18:14:23; Bright; 53.0; 59; 55Alp Oph ; 2.08; 8900;occ; 106; 0;41363
 15; 4907.6; 27-JAN-2010 18:16:30; Bright; 53.0; 126; 60Bet Oph ; 2.77; 4250;occ; 106; 0;41363
 16; 5285.8; 27-JAN-2010 18:22:48; Dark ; 45.5; 86; 35Eta Oph ; 2.43; 10200;occ; 91; 0;41363
 17; 5532.8; 27-JAN-2010 18:26:55; Dark ; 57.0; 16; 21Alp Sco ; 1.02; 3000;occ; 114; 0;41363
 18; 5612.7; 27-JAN-2010 18:28:15; Dark ; 44.5; 75; 26Eps Sco ; 2.29; 4250;occ; 89; 0;41363

19; 5872.9; 27-JAN-2010 18:32:36; Dark ; 41.5; 131; Gam Lup ; 2.80; 26000;occ; 83; 0;41363
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 21; 6086.8; 27-JAN-2010 18:36:09; Dark ; 43.0; 78; Alp Lup ; 2.30; 28000;occ; 86; 0;41363
 22; 6198.2; 27-JAN-2010 18:38:01; Dark ; 42.0; 4; Alp1Cen ; -0.01; 5800;occ; 84; 0;41363
 23; 6299.3; 27-JAN-2010 18:39:42; Dark ; 43.5; 77; Eps Cen ; 2.30; 28000;occ; 87; 0;41363
 24; 6473.1; 27-JAN-2010 18:42:36; Dark ; 45.5; 12; Alp1Cru ; 0.77; 30000;occ; 91; 0;41363
 25; 6597.5; 27-JAN-2010 18:44:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41363
 26; 6723.9; 27-JAN-2010 18:46:47; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41363
 27; 6838.9; 27-JAN-2010 18:48:42; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;41363
 28; 6945.8; 27-JAN-2010 18:50:28; Dark ; 42.0; 46; Del Vel ; 1.95; 10600;occ; 84; 0;41363
 29; 7099.9; 27-JAN-2010 18:53:03; Dark ; 33.5; 34; Gam2Vel ; 1.79; 23000;occ; 67; 0;41363

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20100127_185303_000059192086_00228_41364_6137.N1

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 4; 1993.2; 27-JAN-2010 19:08:32; Dark ; 47.5; 8; 10Alp CMI ; 0.40; 6500;occ; 95; 0;41364
 5; 2191.3; 27-JAN-2010 19:11:50; Bright; 41.0; 44; 24Gam Gem ; 1.93; 11000;occ; 82; 0;41364
 6; 2404.8; 27-JAN-2010 19:15:24; Bright; 42.5; 17; 78Bet Gem ; 1.16; 4500;occ; 85; 0;41364
 7; 3426.9; 27-JAN-2010 19:32:26; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;41364
 8; 3628.1; 27-JAN-2010 19:35:47; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;41364
 9; 3905.9; 27-JAN-2010 19:40:25; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;41364
 10; 4086.8; 27-JAN-2010 19:43:25; Bright; 54.0; 130; 23Bet Dra ; 2.80; 5800;occ; 108; 0;41364
 11; 4478.7; 27-JAN-2010 19:49:57; Bright; 41.5; 133; 40Zet Her ; 2.81; 6000;occ; 83; 0;41364
 12; 4685.5; 27-JAN-2010 19:53:24; Bright; 62.0; 127; 27Bet Her ; 2.78; 4700;occ; 124; 0;41364
 13; 4781.0; 27-JAN-2010 19:55:00; Bright; 35.0; 59; 55Alp Oph ; 2.08; 8900;occ; 70; 0;41364
 14; 4908.0; 27-JAN-2010 19:57:07; Bright; 35.5; 126; 60Bet Oph ; 2.77; 4250;occ; 71; 0;41364
 15; 5286.3; 27-JAN-2010 20:03:25; Dark ; 43.5; 86; 35Eta Oph ; 2.43; 10200;occ; 87; 0;41364
 16; 5533.5; 27-JAN-2010 20:07:32; Dark ; 48.5; 16; 21Alp Sco ; 1.02; 3000;occ; 97; 0;41364
 17; 5613.1; 27-JAN-2010 20:08:52; Dark ; 44.0; 75; 26Eps Sco ; 2.29; 4250;occ; 88; 0;41364
 18; 5873.2; 27-JAN-2010 20:13:12; Dark ; 43.0; 131; Gam Lup ; 2.80; 26000;occ; 86; 0;41364
 19; 6000.2; 27-JAN-2010 20:15:19; Dark ; 43.5; 109; Bet Lup ; 2.68; 26000;occ; 87; 0;41364
 20; 6087.6; 27-JAN-2010 20:16:46; Dark ; 44.5; 78; Alp Lup ; 2.30; 28000;occ; 89; 0;41364
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 22; 6300.0; 27-JAN-2010 20:20:19; Dark ; 42.0; 77; Eps Cen ; 2.30; 28000;occ; 84; 0;41364
 23; 6473.5; 27-JAN-2010 20:23:12; Dark ; 43.0; 12; Alp1Cru ; 0.77; 30000;occ; 86; 0;41364
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 25; 6724.2; 27-JAN-2010 20:27:23; Dark ; 36.5; 159; Ups Car ; 2.92; 7200;occ; 73; 0;41364
 26; 6838.9; 27-JAN-2010 20:29:18; Dark ; 38.0; 71; Iot Car ; 2.25; 7700;occ; 76; 0;41364
 27; 6945.7; 27-JAN-2010 20:31:04; Dark ; 38.0; 46; Del Vel ; 1.95; 10600;occ; 76; 0;41364

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20100128_010514_000092862086_00231_41367_9397.N1

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 2; -500.8; 28-JAN-2010 01:09:21; Dark ; 47.0; 16; 21Alp Sco ; 1.02; 3000;occ; 94; 0;41367
 3; -421.5; 28-JAN-2010 01:10:41; Dark ; 42.5; 75; 26Eps Sco ; 2.29; 4250;occ; 85; 0;41367
 4; -160.4; 28-JAN-2010 01:15:02; Dark ; 42.0; 131; Gam Lup ; 2.80; 26000;occ; 84; 0;41367
 5; -33.1; 28-JAN-2010 01:17:09; Dark ; 43.0; 109; Bet Lup ; 2.68; 26000;occ; 86; 0;41367
 6; 54.3; 28-JAN-2010 01:18:37; Dark ; 44.0; 78; Alp Lup ; 2.30; 28000;occ; 88; 0;41368
 7; 164.3; 28-JAN-2010 01:20:27; Dark ; 48.0; 4; Alp1Cen ; -0.01; 5800;occ; 96; 0;41368
 8; 266.5; 28-JAN-2010 01:22:09; Dark ; 43.5; 77; Eps Cen ; 2.30; 28000;occ; 87; 0;41368
 9; 439.6; 28-JAN-2010 01:25:02; Dark ; 42.5; 12; Alp1Cru ; 0.77; 30000;occ; 85; 0;41368
 10; 564.9; 28-JAN-2010 01:27:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41368
 11; 689.3; 28-JAN-2010 01:29:12; Dark ; 47.5; 159; Ups Car ; 2.92; 7200;occ; 95; 0;41368
 12; 804.1; 28-JAN-2010 01:31:06; Dark ; 48.0; 71; Iot Car ; 2.25; 7700;occ; 96; 0;41368
 13; 910.8; 28-JAN-2010 01:32:53; Dark ; 41.5; 46; Del Vel ; 1.95; 10600;occ; 83; 0;41368
 14; 1065.0; 28-JAN-2010 01:35:27; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;41368
 15; 1191.1; 28-JAN-2010 01:37:33; Dark ; 41.5; 70; Zet Pup ; 2.25; 39000;occ; 83; 0;41368
 16; 1401.7; 28-JAN-2010 01:41:04; Dark ; 39.0; 88; 31Eta CMa ; 2.45; 20000;occ; 78; 0;41368
 17; 1993.2; 28-JAN-2010 01:50:55; Dark ; 48.0; 8; 10Alp CMI ; 0.40; 6500;occ; 96; 0;41368
 18; 2191.9; 28-JAN-2010 01:54:14; Bright; 41.0; 44; 24Gam Gem ; 1.93; 11000;occ; 82; 0;41368
 19; 2336.7; 28-JAN-2010 01:56:39; Bright; 39.5; 170; 27Eps Gem ; 3.00; 9700;occ; 79; 0;41368
 20; 2464.5; 28-JAN-2010 01:58:47; Bright; 40.5; 24; 66Alp Gem ; 1.58; 10200;occ; 81; 0;41368
 21; 3427.1; 28-JAN-2010 02:14:49; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;41368
 22; 3627.0; 28-JAN-2010 02:18:09; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;41368
 23; 3905.5; 28-JAN-2010 02:22:48; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;41368
 24; 4086.5; 28-JAN-2010 02:25:49; Bright; 34.5; 130; 23Bet Dra ; 2.80; 5800;occ; 69; 0;41368
 25; 4479.0; 28-JAN-2010 02:32:21; Bright; 42.0; 133; 40Zet Her ; 2.81; 6000;occ; 84; 0;41368
 26; 4686.8; 28-JAN-2010 02:35:49; Bright; 43.5; 127; 27Bet Her ; 2.78; 4700;occ; 87; 0;41368
 27; 4781.9; 28-JAN-2010 02:37:24; Bright; 35.5; 59; 55Alp Oph ; 2.08; 8900;occ; 71; 0;41368
 28; 4908.9; 28-JAN-2010 02:39:31; Bright; 35.0; 126; 60Bet Oph ; 2.77; 4250;occ; 70; 0;41368

```

29; 5198.6; 28-JAN-2010 02:44:21; Dark ; 54.0; 120; 1Del Oph ; 2.73; 3200;occ; 108; 0;41368
30; 5287.9; 28-JAN-2010 02:45:50; Dark ; 42.0; 86; 35Eta Oph ; 2.43; 10200;occ; 84; 0;41368
31; 5535.9; 28-JAN-2010 02:49:58; Dark ; 46.5; 16; 21Alp Sco ; 1.02; 3000;occ; 93; 0;41368
32; 5614.9; 28-JAN-2010 02:51:17; Dark ; 42.0; 75; 26Eps Sco ; 2.29; 4250;occ; 84; 0;41368
33; 5876.4; 28-JAN-2010 02:55:39; Dark ; 42.0; 131; Gam Lup ; 2.80; 26000;occ; 84; 0;41368
34; 6003.9; 28-JAN-2010 02:57:46; Dark ; 43.5; 109; Bet Lup ; 2.68; 26000;occ; 87; 0;41368
35; 6091.0; 28-JAN-2010 02:59:13; Dark ; 45.5; 78; Alp Lup ; 2.30; 28000;occ; 91; 0;41368
36; 6201.0; 28-JAN-2010 03:01:03; Dark ; 40.5; 4; Alp1Cen ;-0.01; 5800;occ; 81; 0;41368
37; 6303.3; 28-JAN-2010 03:02:46; Dark ; 44.0; 77; Eps Cen ; 2.30; 28000;occ; 88; 0;41368
38; 6476.0; 28-JAN-2010 03:05:38; Dark ; 46.5; 12; Alp1Cru ; 0.77; 30000;occ; 93; 0;41368
39; 6601.6; 28-JAN-2010 03:07:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41368
40; 6725.7; 28-JAN-2010 03:09:48; Dark ; 38.5; 159; Ups Car ; 2.92; 7200;occ; 77; 0;41368
41; 6840.4; 28-JAN-2010 03:11:43; Dark ; 50.0; 71; Iot Car ; 2.25; 7700;occ; 100; 0;41368
42; 6947.2; 28-JAN-2010 03:13:29; Dark ; 39.0; 46; Del Vel ; 1.95; 10600;occ; 78; 0;41368
43; 7101.2; 28-JAN-2010 03:16:03; Dark ; 43.0; 34; Gam2Vel ; 1.79; 23000;occ; 86; 0;41368
44; 7227.0; 28-JAN-2010 03:18:09; Dark ; 41.0; 70; Zet Pup ; 2.25; 39000;occ; 82; 0;41368
45; 7437.9; 28-JAN-2010 03:21:40; Dark ; 42.0; 88; 31Eta CMa ; 2.45; 20000;occ; 84; 0;41368
46; 8029.3; 28-JAN-2010 03:31:32; Dark ; 46.5; 8; 10Alp CMi ; 0.40; 6500;occ; 93; 0;41368
47; 8228.0; 28-JAN-2010 03:34:50; Bright; 39.0; 44; 24Gam Gem ; 1.93; 11000;occ; 78; 0;41368
48; 8372.8; 28-JAN-2010 03:37:15; Bright; 38.0; 170; 27Eps Gem ; 3.00; 9700;occ; 76; 0;41368
49; 8500.2; 28-JAN-2010 03:39:22; Bright; 38.0; 24; 66Alp Gem ; 1.58; 10200;occ; 76; 0;41368
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20100128_035526_000062712086_00233_41369_9398.N1
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2;-2409.0; 28-JAN-2010 03:58:45; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;41369
3;-2130.6; 28-JAN-2010 04:03:24; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;41369
4;-1949.1; 28-JAN-2010 04:06:25; Bright; 36.5; 130; 23Bet Dra ; 2.80; 5800;occ; 73; 0;41369
5;-1556.7; 28-JAN-2010 04:12:57; Bright; 43.0; 133; 40Zet Her ; 2.81; 6000;occ; 86; 0;41369
6;-1349.1; 28-JAN-2010 04:16:25; Bright; 45.5; 127; 27Bet Her ; 2.78; 4700;occ; 91; 0;41369
7;-1253.6; 28-JAN-2010 04:18:01; Bright; 40.5; 59; 55Alp Oph ; 2.08; 8900;occ; 81; 0;41369
8;-1126.6; 28-JAN-2010 04:20:08; Bright; 53.0; 126; 60Bet Oph ; 2.77; 4250;occ; 106; 0;41369
9; -836.8; 28-JAN-2010 04:24:57; Dark ; 54.0; 120; 1Del Oph ; 2.73; 3200;occ; 108; 0;41369
10; -747.5; 28-JAN-2010 04:26:27; Dark ; 44.0; 86; 35Eta Oph ; 2.43; 10200;occ; 88; 0;41369
11; -499.7; 28-JAN-2010 04:30:34; Dark ; 50.5; 16; 21Alp Sco ; 1.02; 3000;occ; 101; 0;41369
12; -420.4; 28-JAN-2010 04:31:54; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;41369
13; -158.9; 28-JAN-2010 04:36:15; Dark ; 42.0; 131; Gam Lup ; 2.80; 26000;occ; 84; 0;41369
14; -31.2; 28-JAN-2010 04:38:23; Dark ; 44.0; 109; Bet Lup ; 2.68; 26000;occ; 88; 0;41369
15; 55.7; 28-JAN-2010 04:39:50; Dark ; 44.0; 78; Alp Lup ; 2.30; 28000;occ; 88; 0;41370
16; 165.4; 28-JAN-2010 04:41:40; Dark ; 53.0; 4; Alp1Cen ;-0.01; 5800;occ; 106; 0;41370
17; 268.3; 28-JAN-2010 04:43:22; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;41370
18; 440.6; 28-JAN-2010 04:46:15; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;41370
19; 566.6; 28-JAN-2010 04:48:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41370
20; 690.2; 28-JAN-2010 04:50:24; Dark ; 40.5; 159; Ups Car ; 2.92; 7200;occ; 81; 0;41370
21; 805.1; 28-JAN-2010 04:52:19; Dark ; 44.0; 71; Iot Car ; 2.25; 7700;occ; 88; 0;41370
22; 911.9; 28-JAN-2010 04:54:06; Dark ; 39.5; 46; Del Vel ; 1.95; 10600;occ; 79; 0;41370
23; 1065.7; 28-JAN-2010 04:56:40; Dark ; 43.0; 34; Gam2Vel ; 1.79; 23000;occ; 86; 0;41370
24; 1191.7; 28-JAN-2010 04:58:46; Dark ; 40.5; 70; Zet Pup ; 2.25; 39000;occ; 81; 0;41370
25; 1402.3; 28-JAN-2010 05:02:16; Dark ; 41.0; 88; 31Eta CMa ; 2.45; 20000;occ; 82; 0;41370
26; 1993.2; 28-JAN-2010 05:12:07; Dark ; 47.0; 8; 10Alp CMi ; 0.40; 6500;occ; 94; 0;41370
27; 2192.3; 28-JAN-2010 05:15:26; Bright; 38.5; 44; 24Gam Gem ; 1.93; 11000;occ; 77; 0;41370
28; 2337.2; 28-JAN-2010 05:17:51; Bright; 36.5; 170; 27Eps Gem ; 3.00; 9700;occ; 73; 0;41370
29; 2464.1; 28-JAN-2010 05:19:58; Bright; 40.5; 24; 66Alp Gem ; 1.58; 10200;occ; 81; 0;41370
30; 3427.2; 28-JAN-2010 05:36:01; Bright; 52.0; 49; 1Alp UMi ; 1.99; 6300;occ; 104; 0;41370
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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20100129_050824_000060282086_00248_41384_9405.N1

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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20100131_011118_000092612086_00274_41410_9415.N1

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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20100131_054937_000057922086_00277_41413_9417.N1

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22; 6742.2; 31-JAN-2010 13:19:25; Dark ; 43.0; 159; Ups Car ; 2.92; 7200;occ; 86; 0;41417
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```


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/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20100131_150613_000059272086_00283_41419_6169.N1

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27; 6858.4; 31-JAN-2010 18:23:09; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;41420
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23; 6504.7; 31-JAN-2010 19:57:51; Dark ; 49.5; 12; Alp1Cru ; 0.77; 30000;occ; 99; 0;41421
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26; 6854.0; 30-JAN-2010 20:35:17; Dark ; 44.5; 71; Iot Car ; 2.25; 7700;occ; 89; 0;41407
27; 6959.3; 30-JAN-2010 20:37:03; Dark ; 47.5; 46; Del Vel ; 1.95; 10600;occ; 95; 0;41407
28; 7111.5; 30-JAN-2010 20:39:35; Dark ; 24.0; 34; Gam2Vel ; 1.79; 23000;occ; 48; 0;41407

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