

# GOMOS Daily Report 21-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](#)

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

Item	Value
Time of report generation	24JAN2010 04:54:33
Data source version	GOMOS/5.00L04
Start time of products	21JAN2010 00:03:38
Stop time of products	21JAN2010 23:58:56
Store outputs in DB	Yes
Nb of level 1b prods	148
Nb of prods with errors	0

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

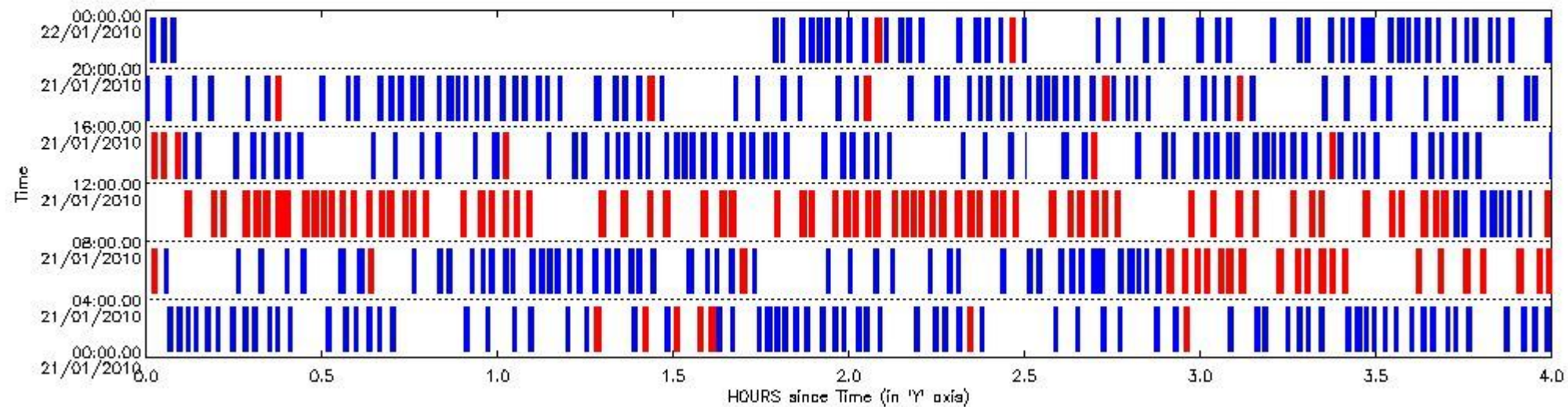
### 2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
21-JAN-2010 01:16:37	55AlpOph	59	41267
21-JAN-2010 01:24:50	35EtaOph	86	41267
21-JAN-2010 01:30:13	26EpsSco	75	41267
21-JAN-2010 01:34:07	GamLup	131	41267
21-JAN-2010 01:36:03	BetLup	109	41267
21-JAN-2010 02:20:19	37TheAur	107	41268
21-JAN-2010 02:57:14	55AlpOph	59	41268
21-JAN-2010 04:00:55	37TheAur	107	41269
21-JAN-2010 04:37:50	55AlpOph	59	41269
21-JAN-2010 05:41:31	37TheAur	107	41270
21-JAN-2010 06:54:21	DelVel	46	41271
21-JAN-2010 06:56:59	Gam2Vel	34	41271
21-JAN-2010 06:59:07	ZetPup	70	41271
21-JAN-2010 07:00:40	PiPup	117	41271
21-JAN-2010 07:03:10	21EpsCMa	23	41271

21-JAN-2010 07:04:33	24Omi2CMa	179	41271
21-JAN-2010 07:06:44	9AlpCMa	1	41271
21-JAN-2010 07:13:04	10AlpCMi	8	41271
21-JAN-2010 07:16:10	24GamGem	44	41271
21-JAN-2010 07:17:55	13MuGem	151	41271
21-JAN-2010 07:20:15	78BetGem	17	41271
21-JAN-2010 07:22:07	37TheAur	107	41271
21-JAN-2010 07:24:16	34BetAur	42	41271
21-JAN-2010 07:36:49	1AlpUMi	49	41271
21-JAN-2010 07:40:31	7BetUMi	60	41271
21-JAN-2010 07:45:00	14EtaDra	119	41271
21-JAN-2010 07:47:46	23BetDra	130	41271
21-JAN-2010 07:54:09	40ZetHer	133	41271
21-JAN-2010 07:57:23	27BetHer	127	41271
21-JAN-2010 07:59:02	55AlpOph	59	41271
21-JAN-2010 08:06:37	13ZetOph	98	41271
21-JAN-2010 08:11:06	21AlpSco	16	41271
21-JAN-2010 08:12:38	26EpsSco	75	41271
21-JAN-2010 08:16:34	GamLup	131	41271
21-JAN-2010 08:18:29	BetLup	109	41271
21-JAN-2010 08:19:59	AlpLup	78	41271
21-JAN-2010 08:22:15	Alp1Cen	4	41272
21-JAN-2010 08:23:33	EpsCen	77	41272
21-JAN-2010 08:26:46	Alp1Cru	12	41272
21-JAN-2010 08:28:20	DSA1053	0	41272
21-JAN-2010 08:29:54	TheCar	124	41272
21-JAN-2010 08:31:13	UpsCar	159	41272
21-JAN-2010 08:33:07	lotCar	71	41272
21-JAN-2010 08:34:57	DeVel	46	41272
21-JAN-2010 08:37:36	Gam2Vel	34	41272
21-JAN-2010 08:39:43	ZetPup	70	41272
21-JAN-2010 08:41:16	PiPup	117	41272
21-JAN-2010 08:43:46	21EpsCMa	23	41272
21-JAN-2010 08:45:09	24Omi2CMa	179	41272
21-JAN-2010 08:47:20	9AlpCMa	1	41272
21-JAN-2010 08:53:39	10AlpCMi	8	41272
21-JAN-2010 08:56:46	24GamGem	44	41272
21-JAN-2010 08:58:31	13MuGem	151	41272
21-JAN-2010 09:00:51	78BetGem	17	41272
21-JAN-2010 09:02:43	37TheAur	107	41272
21-JAN-2010 09:04:52	34BetAur	42	41272
21-JAN-2010 09:17:25	1AlpUMi	49	41272
21-JAN-2010 09:21:07	7BetUMi	60	41272
21-JAN-2010 09:25:35	14EtaDra	119	41272
21-JAN-2010 09:28:22	23BetDra	130	41272
21-JAN-2010 09:34:45	40ZetHer	133	41272
21-JAN-2010 09:37:59	27BetHer	127	41272
21-JAN-2010 09:39:38	55AlpOph	59	41272
21-JAN-2010 09:47:13	13ZetOph	98	41272
21-JAN-2010 09:51:43	21AlpSco	16	41272
21-JAN-2010 09:53:14	26EpsSco	75	41272
21-JAN-2010 09:57:10	GamLup	131	41272
21-JAN-2010 09:59:06	BetLup	109	41272
21-JAN-2010 10:00:36	AlpLup	78	41272
21-JAN-2010 10:02:51	Alp1Cen	4	41273
21-JAN-2010 10:04:09	EpsCen	77	41273
21-JAN-2010 10:07:22	Alp1Cru	12	41273
21-JAN-2010 10:08:57	DSA1053	0	41273
21-JAN-2010 10:10:30	TheCar	124	41273

21-JAN-2010 10:11:50	UpsCar	159	41273
21-JAN-2010 10:13:43	lotCar	71	41273
21-JAN-2010 10:15:33	DelVel	46	41273
21-JAN-2010 10:18:12	Gam2Vel	34	41273
21-JAN-2010 10:20:19	ZetPup	70	41273
21-JAN-2010 10:21:52	PiPup	117	41273
21-JAN-2010 10:24:22	21EpsCMa	23	41273
21-JAN-2010 10:25:45	24Omi2CMa	179	41273
21-JAN-2010 10:27:56	9AlpCMa	1	41273
21-JAN-2010 10:34:15	10AlpCMi	8	41273
21-JAN-2010 10:37:21	24GamGem	44	41273
21-JAN-2010 10:39:07	13MuGem	151	41273
21-JAN-2010 10:41:26	78BetGem	17	41273
21-JAN-2010 10:43:19	37TheAur	107	41273
21-JAN-2010 10:45:28	34BetAur	42	41273
21-JAN-2010 10:58:01	1AlpUMi	49	41273
21-JAN-2010 11:01:42	7BetUMi	60	41273
21-JAN-2010 11:06:11	14EtaDra	119	41273
21-JAN-2010 11:08:58	23BetDra	130	41273
21-JAN-2010 11:15:21	40ZetHer	133	41273
21-JAN-2010 11:18:35	27BetHer	127	41273
21-JAN-2010 11:20:14	55AlpOph	59	41273
21-JAN-2010 11:27:50	13ZetOph	98	41273
21-JAN-2010 11:32:19	21AlpSco	16	41273
21-JAN-2010 11:33:51	26EpsSco	75	41273
21-JAN-2010 11:37:47	GamLup	131	41273
21-JAN-2010 11:39:43	BetLup	109	41273
21-JAN-2010 11:41:12	AlpLup	78	41273
21-JAN-2010 11:58:48	Gam2Vel	34	41274
21-JAN-2010 12:00:55	ZetPup	70	41274
21-JAN-2010 12:02:28	PiPup	117	41274
21-JAN-2010 12:04:58	21EpsCMa	23	41274
21-JAN-2010 13:00:50	55AlpOph	59	41274
21-JAN-2010 14:41:27	55AlpOph	59	41275
21-JAN-2010 15:22:08	ZetPup	70	41276
21-JAN-2010 16:22:03	55AlpOph	59	41276
21-JAN-2010 17:25:43	37TheAur	107	41277
21-JAN-2010 18:02:39	55AlpOph	59	41277
21-JAN-2010 18:43:20	ZetPup	70	41278
21-JAN-2010 19:06:19	37TheAur	107	41278
21-JAN-2010 22:04:33	ZetPup	70	41280
21-JAN-2010 22:27:31	37TheAur	107	41280

#### 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_1PNPDE20100121_000338_000000462086_00131_41267_5721.N1	21-JAN-2010 00:03:38	Dark	45.500	12	Alp1Cru	0.77500	30000.	91	41267	No
2	GOM_TRA_1PNPDE20100121_000646_000000392086_00131_41267_5722.N1	21-JAN-2010 00:06:46	Dark	39.000	124	The Car	2.7640	30000.	78	41267	No
3	GOM_TRA_1PNPDE20100121_000806_000000392086_00131_41267_5723.N1	21-JAN-2010 00:08:06	Dark	38.500	159	Ups Car	2.9200	7200.0	77	41267	No
4	GOM_TRA_1PNPDE20100121_001000_000000462086_00131_41267_5724.N1	21-JAN-2010 00:10:00	Dark	45.500	71	lot Car	2.2460	7700.0	91	41267	No
5	GOM_TRA_1PNPDE20100121_001150_000000442086_00131_41267_5725.N1	21-JAN-2010 00:11:50	Dark	44.000	46	Del Vel	1.9540	10600.	88	41267	No
6	GOM_TRA_1PNPDE20100121_001429_000000442086_00131_41267_5726.N1	21-JAN-2010 00:14:29	Dark	44.000	34	Gam2Vel	1.7930	23000.	88	41267	No
7	GOM_TRA_1PNPDE20100121_001636_000000412086_00131_41267_5727.N1	21-JAN-2010 00:16:36	Straylight	40.500	70	Zet Pup	2.2460	39000.	81	41267	No
8	GOM_TRA_1PNPDE20100121_001809_000000442086_00131_41267_5728.N1	21-JAN-2010 00:18:09	Straylight	43.500	117	Pi Pup	2.7060	3800.0	87	41267	No
9	GOM_TRA_1PNPDE20100121_002039_000000432086_00131_41267_5729.N1	21-JAN-2010 00:20:39	Straylight	43.000	23	21Eps CMa	1.5020	26000.	86	41267	No
10	GOM_TRA_1PNPDE20100121_002203_000000412086_00131_41267_5730.N1	21-JAN-2010 00:22:03	Straylight	41.000	179	24Omi2CMa	3.0320	24000.	82	41267	No
11	GOM_TRA_1PNPDE20100121_002414_000000422086_00131_41267_5731.N1	21-JAN-2010 00:24:14	Straylight	42.000	1	9Alp CMa	-1.4400	11000.	84	41267	No
12	GOM_TRA_1PNPDE20100121_003035_000000492086_00131_41267_5732.N1	21-JAN-2010 00:30:35	Twilight	49.000	8	10Alp CMi	0.40000	6500.0	98	41267	No

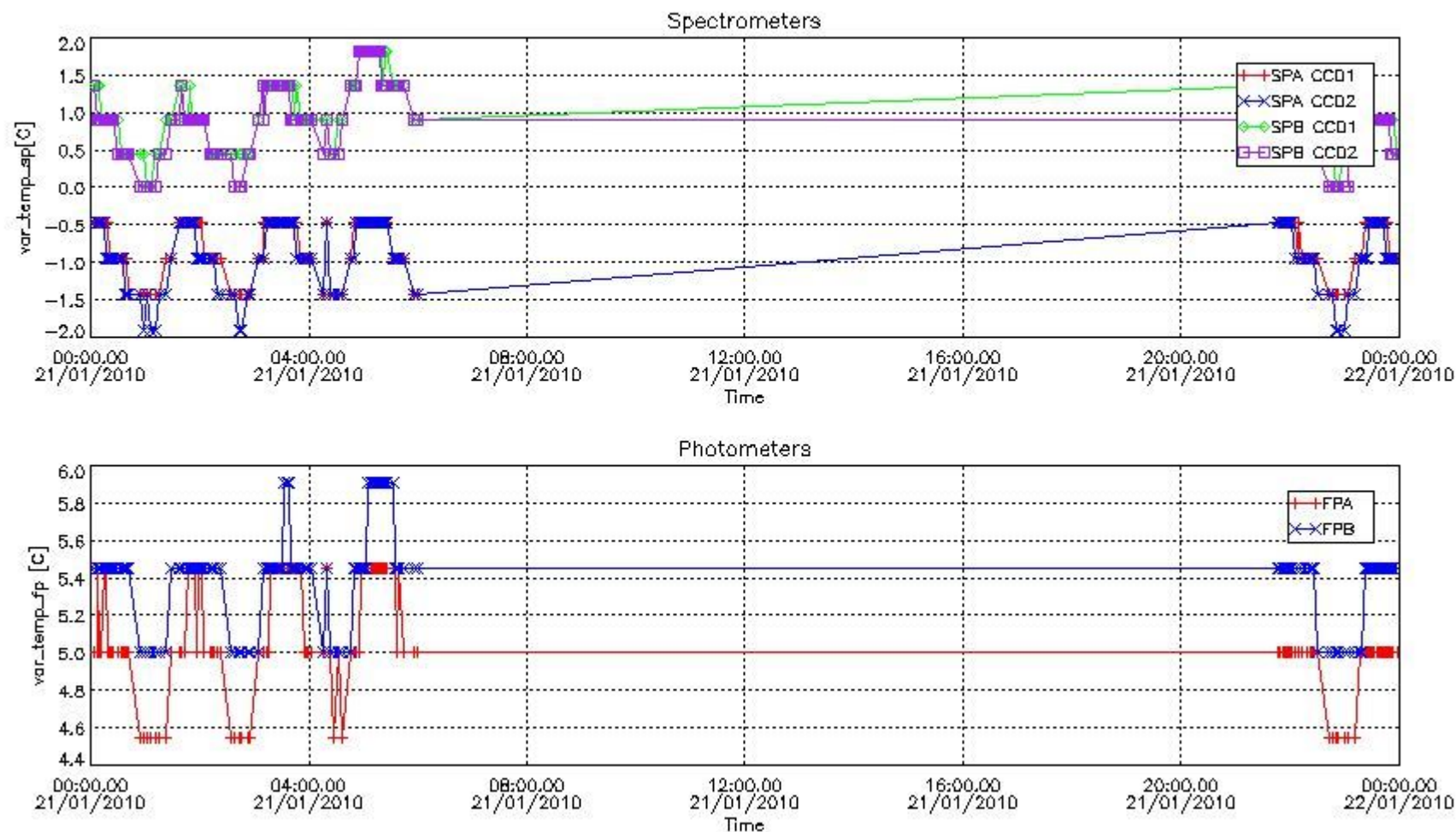
13	GOM_TRA_1PNPDE20100121_003340_000000482086_00131_41267_5733.N1	21-JAN-2010 00:33:40	Bright	48.000	44	24Gam Gem	1.9280	11000.	96	41267	No
14	GOM_TRA_1PNPDE20100121_003525_000000432086_00131_41267_5734.N1	21-JAN-2010 00:35:25	Bright	42.500	151	13Mu Gem	2.8900	3000.0	85	41267	No
15	GOM_TRA_1PNPDE20100121_003747_000000462086_00131_41267_5735.N1	21-JAN-2010 00:37:47	Bright	46.000	17	78Bet Gem	1.1610	4500.0	92	41267	No
16	GOM_TRA_1PNPDE20100121_003937_000000352086_00131_41267_5736.N1	21-JAN-2010 00:39:37	Bright	35.000	107	37The Aur	2.6490	11000.	70	41267	No
17	GOM_TRA_1PNPDE20100121_004146_000000382086_00131_41267_5737.N1	21-JAN-2010 00:41:46	Bright	37.500	42	34Bet Aur	1.9000	10200.	75	41267	No
18	GOM_TRA_1PNPDE20100121_005420_000000382086_00131_41267_5738.N1	21-JAN-2010 00:54:20	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	41267	No
19	GOM_TRA_1PNPDE20100121_005802_000000362086_00131_41267_5739.N1	21-JAN-2010 00:58:02	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	41267	No
20	GOM_TRA_1PNPDE20100121_010230_000000392086_00131_41267_5740.N1	21-JAN-2010 01:02:30	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	41267	No
21	GOM_TRA_1PNPDE20100121_010517_000000532086_00131_41267_5741.N1	21-JAN-2010 01:05:17	Bright	53.000	130	23Bet Dra	2.7990	5800.0	106	41267	No
22	GOM_TRA_1PNPDE20100121_011139_000000392086_00131_41267_5742.N1	21-JAN-2010 01:11:39	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	41267	No
23	GOM_TRA_1PNPDE20100121_011453_000000392086_00131_41267_5743.N1	21-JAN-2010 01:14:53	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	41267	No
24	GOM_TRA_1PNPDE20100121_012250_000000492086_00131_41267_5744.N1	21-JAN-2010 01:22:50	Bright	49.000	120	1Del Oph	2.7340	3200.0	98	41267	No
25	GOM_TRA_1PNPDE20100121_012835_000000512086_00131_41267_5738.N1	21-JAN-2010 01:28:35	Twilight	50.500	16	21Alp Sco	1.0200	3000.0	101	41267	No
26	GOM_TRA_1PNPDE20100121_013727_000000472086_00131_41267_5739.N1	21-JAN-2010 01:37:27	Dark	47.000	78	Alp Lup	2.3040	28000.	94	41267	No
27	GOM_TRA_1PNPDE20100121_013944_000000442086_00132_41268_5740.N1	21-JAN-2010 01:39:44	Dark	44.000	4	Alp1Cen	-0.010000	5800.0	88	41268	No
28	GOM_TRA_1PNPDE20100121_014414_000000422086_00132_41268_5741.N1	21-JAN-2010 01:44:14	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	41268	No
29	GOM_TRA_1PNPDE20100121_014723_000000392086_00132_41268_5742.N1	21-JAN-2010 01:47:23	Dark	39.000	124	The Car	2.7640	30000.	78	41268	No
30	GOM_TRA_1PNPDE20100121_014842_000000422086_00132_41268_5743.N1	21-JAN-2010 01:48:42	Dark	42.000	159	Ups Car	2.9200	7200.0	84	41268	No
31	GOM_TRA_1PNPDE20100121_015036_000000432086_00132_41268_5744.N1	21-JAN-2010 01:50:36	Dark	43.000	71	lot Car	2.2460	7700.0	86	41268	No
32	GOM_TRA_1PNPDE20100121_015226_000000442086_00132_41268_5745.N1	21-JAN-2010 01:52:26	Dark	43.500	46	Del Vel	1.9540	10600.	87	41268	No
33	GOM_TRA_1PNPDE20100121_015505_000000432086_00132_41268_5746.N1	21-JAN-2010 01:55:05	Dark	42.500	34	Gam2Vel	1.7930	23000.	85	41268	No
34	GOM_TRA_1PNPDE20100121_015712_000000442086_00132_41268_5747.N1	21-JAN-2010 01:57:12	Straylight	43.500	70	Zet Pup	2.2460	39000.	87	41268	No
35	GOM_TRA_1PNPDE20100121_015846_000000432086_00132_41268_5748.N1	21-JAN-2010 01:58:46	Straylight	43.000	117	Pi Pup	2.7060	3800.0	86	41268	No
36	GOM_TRA_1PNPDE20100121_020115_000000422086_00132_41268_5749.N1	21-JAN-2010 02:01:15	Straylight	41.500	23	21Eps CMa	1.5020	26000.	83	41268	No
37	GOM_TRA_1PNPDE20100121_020239_000000402086_00132_41268_5750.N1	21-JAN-2010 02:02:39	Straylight	40.000	179	24Omi2CMa	3.0320	24000.	80	41268	No
38	GOM_TRA_1PNPDE20100121_020452_000000442086_00132_41268_5751.N1	21-JAN-2010 02:04:52	Straylight	44.000	1	9Alp CMa	-1.4400	11000.	88	41268	No
39	GOM_TRA_1PNPDE20100121_021110_000000522086_00132_41268_5752.N1	21-JAN-2010 02:11:10	Twilight	52.000	8	10Alp CMi	0.40000	6500.0	104	41268	No
40	GOM_TRA_1PNPDE20100121_021416_000000472086_00132_41268_5753.N1	21-JAN-2010 02:14:16	Bright	47.000	44	24Gam Gem	1.9280	11000.	94	41268	No
41	GOM_TRA_1PNPDE20100121_021601_000000412086_00132_41268_5754.N1	21-JAN-2010 02:16:01	Bright	40.500	151	13Mu Gem	2.8900	3000.0	81	41268	No
42	GOM_TRA_1PNPDE20100121_021823_000000572086_00132_41268_5755.N1	21-JAN-2010 02:18:23	Bright	56.500	17	78Bet Gem	1.1610	4500.0	113	41268	No
43	GOM_TRA_1PNPDE20100121_022223_000000372086_00132_41268_5756.N1	21-JAN-2010 02:22:23	Bright	37.000	42	34Bet Aur	1.9000	10200.	74	41268	No
44	GOM_TRA_1PNPDE20100121_023455_000000362086_00132_41268_5757.N1	21-JAN-2010 02:34:55	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	41268	No
45	GOM_TRA_1PNPDE20100121_023838_000000392086_00132_41268_5758.N1	21-JAN-2010 02:38:38	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	41268	No
46	GOM_TRA_1PNPDE20100121_024306_000000412086_00132_41268_5776.N1	21-JAN-2010 02:43:06	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	41268	No
47	GOM_TRA_1PNPDE20100121_024553_000000372086_00132_41268_5777.N1	21-JAN-2010 02:45:53	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	41268	No
48	GOM_TRA_1PNPDE20100121_025215_000000392086_00132_41268_5778.N1	21-JAN-2010 02:52:15	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	41268	No
49	GOM_TRA_1PNPDE20100121_025529_000000392086_00132_41268_5779.N1	21-JAN-2010 02:55:29	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	41268	No
50	GOM_TRA_1PNPDE20100121_030442_000000432086_00132_41268_5780.N1	21-JAN-2010 03:04:42	Bright	43.000	98	13Zet Oph	2.5710	30000.	86	41268	No
51	GOM_TRA_1PNPDE20100121_030911_000000482086_00132_41268_5781.N1	21-JAN-2010 03:09:11	Twilight	47.500	16	21Alp Sco	1.0200	3000.0	95	41268	No
52	GOM_TRA_1PNPDE20100121_031043_000000432086_00132_41268_5782.N1	21-JAN-2010 03:10:43	Twilight	43.000	75	26Eps Sco	2.2910	4250.0	86	41268	No
53	GOM_TRA_1PNPDE20100121_031439_000000392086_00132_41268_5783.N1	21-JAN-2010 03:14:39	Dark	39.000	131	Gam Lup	2.8000	26000.	78	41268	No
54	GOM_TRA_1PNPDE20100121_031634_000000422086_00132_41268_5784.N1	21-JAN-2010 03:16:34	Dark	41.500	109	Bet Lup	2.6770	26000.	83	41268	No
55	GOM_TRA_1PNPDE20100121_031804_000000432086_00132_41268_5785.N1	21-JAN-2010 03:18:04	Dark	43.000	78	Alp Lup	2.3040	28000.	86	41268	No
56	GOM_TRA_1PNPDE20100121_032020_000000422086_00133_41269_5786.N1	21-JAN-2010 03:20:20	Dark	41.500	4	Alp1Cen	-0.010000	5800.0	83	41269	No
57	GOM_TRA_1PNPDE20100121_032451_000000412086_00133_41269_5787.N1	21-JAN-2010 03:24:51	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	41269	No
58	GOM_TRA_1PNPDE20100121_032759_000000382086_00133_41269_5788.N1	21-JAN-2010 03:27:59	Dark	37.500	124	The Car	2.7640	30000.	75	41269	No
59	GOM_TRA_1PNPDE20100121_032919_000000392086_00133_41269_5789.N1	21-JAN-2010 03:29:19	Dark	38.500	159	Ups Car	2.9200	7200.0	77	41269	No
60	GOM_TRA_1PNPDE20100121_033113_000000432086_00133_41269_5790.N1	21-JAN-2010 03:31:13	Dark	42.500	71	lot Car	2.2460	7700.0	85	41269	No
61	GOM_TRA_1PNPDE20100121_033302_000000412086_00133_41269_5791.N1	21-JAN-2010 03:33:02	Dark	40.500	46	Del Vel	1.9540	10600.	81	41269	No
62	GOM_TRA_1PNPDE20100121_033542_000000432086_00133_41269_5792.N1	21-JAN-2010 03:35:42	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	41269	No
63	GOM_TRA_1PNPDE20100121_033749_000000422086_00133_41269_5793.N1	21-JAN-2010 03:37:49	Straylight	42.000	70	Zet Pup	2.2460	39000.	84	41269	No
64	GOM_TRA_1PNPDE20100121_033922_000000422086_00133_41269_5794.N1	21-JAN-2010 03:39:22	Straylight	41.500	117	Pi Pup	2.7060	3800.0	83	41269	No
65	GOM_TRA_1PNPDE20100121_034152_000000422086_00133_41269_5795.N1	21-JAN-2010 03:41:52	Straylight	42.000	23	21Eps CMa	1.5020	26000.	84	41269	No
66	GOM_TRA_1PNPDE20100121_034315_000000412086_00133_41269_5796.N1	21-JAN-2010 03:43:15	Straylight	40.500	179	24Omi2CMa	3.0320	24000.	81	41269	No
67	GOM_TRA_1PNPDE20100121_034528_000000412086_00133_41269_5797.N1	21-JAN-2010 03:45:28	Straylight	40.500	1	9Alp CMa	-1.4400	11000.	81	41269	No
68	GOM_TRA_1PNPDE20100121_035146_000000522086_00133_41269_5798.N1	21-JAN-2010 03:51:46	Twilight	52.000	8	10Alp CMi	0.40000	6500.0	104	41269	No
69	GOM_TRA_1PNPDE20100121_035452_000000472086_00133_41269_5799.N1	21-JAN-2010 03:54:52	Bright	47.000	44	24Gam Gem	1.9280	11000.	94	41269	No
70	GOM_TRA_1PNPDE20100121_035637_000000522086_00133_41269_5800.N1	21-JAN-2010 03:56:37	Bright	52.000	151	13Mu Gem	2.8900	3000.0	104	41269	No
71	GOM_TRA_1PNPDE20100121_035858_000000452086_00133_41269_5801.N1	21-JAN-2010 03:58:58	Bright	45.000	17	78Bet Gem	1.1610	4500.0	90	41269	No



72	GOM_TRA_1PNPDE20100121_040259_000000472086_00133_41269_5802.N1	21-JAN-2010 04:02:59	Bright	47.000	42	34Bet Aur	1.9000	10200.	94	41269	No
73	GOM_TRA_1PNPDE20100121_041532_000000332086_00133_41269_5803.N1	21-JAN-2010 04:15:32	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	41269	No
74	GOM_TRA_1PNPDE20100121_041914_000000422086_00133_41269_5792.N1	21-JAN-2010 04:19:14	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	41269	No
75	GOM_TRA_1PNPDE20100121_042342_000000402086_00133_41269_5793.N1	21-JAN-2010 04:23:42	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	41269	No
76	GOM_TRA_1PNPDE20100121_042629_000000512086_00133_41269_5794.N1	21-JAN-2010 04:26:29	Bright	51.000	130	23Bet Dra	2.7990	5800.0	102	41269	No
77	GOM_TRA_1PNPDE20100121_043251_000000562086_00133_41269_5795.N1	21-JAN-2010 04:32:51	Bright	56.000	133	40Zet Her	2.8070	6000.0	112	41269	No
78	GOM_TRA_1PNPDE20100121_043605_000000582086_00133_41269_5796.N1	21-JAN-2010 04:36:05	Bright	58.000	127	27Bet Her	2.7810	4700.0	116	41269	No
79	GOM_TRA_1PNPDE20100121_044518_000000382086_00133_41269_5797.N1	21-JAN-2010 04:45:18	Bright	38.000	98	13Zet Oph	2.5710	30000.	76	41269	No
80	GOM_TRA_1PNPDE20100121_044948_000000482086_00133_41269_5798.N1	21-JAN-2010 04:49:48	Twilight	47.500	16	21Alp Sco	1.0200	3000.0	95	41269	No
81	GOM_TRA_1PNPDE20100121_045120_000000462086_00133_41269_5799.N1	21-JAN-2010 04:51:20	Twilight	46.000	75	26Eps Sco	2.2910	4250.0	92	41269	No
82	GOM_TRA_1PNPDE20100121_045515_000000412086_00133_41269_5800.N1	21-JAN-2010 04:55:15	Dark	40.500	131	Gam Lup	2.8000	26000.	81	41269	No
83	GOM_TRA_1PNPDE20100121_045711_000000412086_00133_41269_5801.N1	21-JAN-2010 04:57:11	Dark	41.000	109	Bet Lup	2.6770	26000.	82	41269	No
84	GOM_TRA_1PNPDE20100121_045840_000000452086_00133_41269_5802.N1	21-JAN-2010 04:58:40	Dark	45.000	78	Alp Lup	2.3040	28000.	90	41269	No
85	GOM_TRA_1PNPDE20100121_050057_000000542086_00134_41270_5803.N1	21-JAN-2010 05:00:57	Dark	53.500	4	Alp1Cen	-0.010000	5800.0	107	41270	No
86	GOM_TRA_1PNPDE20100121_050214_000000422086_00134_41270_5804.N1	21-JAN-2010 05:02:14	Dark	42.000	77	Eps Cen	2.3030	28000.	84	41270	No
87	GOM_TRA_1PNPDE20100121_050527_000000532086_00134_41270_5805.N1	21-JAN-2010 05:05:27	Dark	52.500	12	Alp1Cru	0.77500	30000.	105	41270	No
88	GOM_TRA_1PNPDE20100121_050836_000000382086_00134_41270_5806.N1	21-JAN-2010 05:08:36	Dark	38.000	124	The Car	2.7640	30000.	76	41270	No
89	GOM_TRA_1PNPDE20100121_050955_000000392086_00134_41270_5807.N1	21-JAN-2010 05:09:55	Dark	38.500	159	Ups Car	2.9200	7200.0	77	41270	No
90	GOM_TRA_1PNPDE20100121_051149_000000382086_00134_41270_5808.N1	21-JAN-2010 05:11:49	Dark	38.000	71	lot Car	2.2460	7700.0	76	41270	No
91	GOM_TRA_1PNPDE20100121_051339_000000392086_00134_41270_5809.N1	21-JAN-2010 05:13:39	Dark	39.000	46	Del Vel	1.9540	10600.	78	41270	No
92	GOM_TRA_1PNPDE20100121_051618_000000402086_00134_41270_5810.N1	21-JAN-2010 05:16:18	Dark	40.000	34	Gam2Vel	1.7930	23000.	80	41270	No
93	GOM_TRA_1PNPDE20100121_051825_000000422086_00134_41270_5811.N1	21-JAN-2010 05:18:25	Straylight	42.000	70	Zet Pup	2.2460	39000.	84	41270	No
94	GOM_TRA_1PNPDE20100121_051958_000000442086_00134_41270_5812.N1	21-JAN-2010 05:19:58	Straylight	44.000	117	Pi Pup	2.7060	3800.0	88	41270	No
95	GOM_TRA_1PNPDE20100121_052228_000000422086_00134_41270_5813.N1	21-JAN-2010 05:22:28	Straylight	42.000	23	21Eps CMa	1.5020	26000.	84	41270	No
96	GOM_TRA_1PNPDE20100121_052351_000000402086_00134_41270_5814.N1	21-JAN-2010 05:23:51	Straylight	39.500	179	24Omi2CMa	3.0320	24000.	79	41270	No
97	GOM_TRA_1PNPDE20100121_052602_000000492086_00134_41270_5815.N1	21-JAN-2010 05:26:02	Straylight	49.000	1	9Alp CMa	-1.4400	11000.	98	41270	No
98	GOM_TRA_1PNPDE20100121_053222_000000562086_00134_41270_5816.N1	21-JAN-2010 05:32:22	Twilight	55.500	8	10Alp CMi	0.40000	6500.0	111	41270	No
99	GOM_TRA_1PNPDE20100121_053528_000000382086_00134_41270_5817.N1	21-JAN-2010 05:35:28	Bright	37.500	44	24Gam Gem	1.9280	11000.	75	41270	No
100	GOM_TRA_1PNPDE20100121_053713_000000352086_00134_41270_5818.N1	21-JAN-2010 05:37:13	Bright	34.500	151	13Mu Gem	2.8900	3000.0	69	41270	No
101	GOM_TRA_1PNPDE20100121_053934_000000452086_00134_41270_5819.N1	21-JAN-2010 05:39:34	Bright	45.000	17	78Bet Gem	1.1610	4500.0	90	41270	No
102	GOM_TRA_1PNPDE20100121_054335_000000362086_00134_41270_5820.N1	21-JAN-2010 05:43:35	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	41270	No
103	GOM_TRA_1PNPDE20100121_055608_000000372086_00134_41270_5821.N1	21-JAN-2010 05:56:08	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	41270	No
104	GOM_TRA_1PNPDE20100121_055950_000000352086_00134_41270_5822.N1	21-JAN-2010 05:59:50	Bright	34.500	60	7Bet UMi	2.0810	3950.0	69	41270	No
105	GOM_TRA_1PNPDE20100121_214701_000000432086_00144_41280_5926.N1	21-JAN-2010 21:47:01	Dark	43.000	4	Alp1Cen	-0.010000	5800.0	86	41280	No
106	GOM_TRA_1PNPDE20100121_214820_000000422086_00144_41280_5927.N1	21-JAN-2010 21:48:20	Dark	42.000	77	Eps Cen	2.3030	28000.	84	41280	No
107	GOM_TRA_1PNPDE20100121_215132_000000452086_00144_41280_5928.N1	21-JAN-2010 21:51:32	Dark	44.500	12	Alp1Cru	0.77500	30000.	89	41280	No
108	GOM_TRA_1PNPDE20100121_215439_000000392086_00144_41280_5929.N1	21-JAN-2010 21:54:39	Dark	39.000	124	The Car	2.7640	30000.	78	41280	No
109	GOM_TRA_1PNPDE20100121_215558_000000372086_00144_41280_5930.N1	21-JAN-2010 21:55:58	Dark	37.000	159	Ups Car	2.9200	7200.0	74	41280	No
110	GOM_TRA_1PNPDE20100121_215752_000000442086_00144_41280_5931.N1	21-JAN-2010 21:57:52	Dark	43.500	71	lot Car	2.2460	7700.0	87	41280	No
111	GOM_TRA_1PNPDE20100121_215942_000000452086_00144_41280_5932.N1	21-JAN-2010 21:59:42	Dark	45.000	46	Del Vel	1.9540	10600.	90	41280	No
112	GOM_TRA_1PNPDE20100121_220220_000000442086_00144_41280_5933.N1	21-JAN-2010 22:02:20	Dark	44.000	34	Gam2Vel	1.7930	23000.	88	41280	No
113	GOM_TRA_1PNPDE20100121_220600_000000432086_00144_41280_5934.N1	21-JAN-2010 22:06:00	Straylight	42.500	117	Pi Pup	2.7060	3800.0	85	41280	No
114	GOM_TRA_1PNPDE20100121_220829_000000422086_00144_41280_5935.N1	21-JAN-2010 22:08:29	Straylight	42.000	23	21Eps CMa	1.5020	26000.	84	41280	No
115	GOM_TRA_1PNPDE20100121_220952_000000392086_00144_41280_5936.N1	21-JAN-2010 22:09:52	Straylight	39.000	179	24Omi2CMa	3.0320	24000.	78	41280	No
116	GOM_TRA_1PNPDE20100121_221203_000000422086_00144_41280_5937.N1	21-JAN-2010 22:12:03	Straylight	42.000	1	9Alp CMa	-1.4400	11000.	84	41280	No
117	GOM_TRA_1PNPDE20100121_221820_000000532086_00144_41280_5938.N1	21-JAN-2010 22:18:20	Twilight	53.000	8	10Alp CMi	0.40000	6500.0	106	41280	No
118	GOM_TRA_1PNPDE20100121_222127_000000522086_00144_41280_5939.N1	21-JAN-2010 22:21:27	Bright	52.000	44	24Gam Gem	1.9280	11000.	104	41280	No
119	GOM_TRA_1PNPDE20100121_222313_000000422086_00144_41280_5940.N1	21-JAN-2010 22:23:13	Bright	41.500	151	13Mu Gem	2.8900	3000.0	83	41280	No
120	GOM_TRA_1PNPDE20100121_222530_000000462086_00144_41280_5941.N1	21-JAN-2010 22:25:30	Bright	46.000	17	78Bet Gem	1.1610	4500.0	92	41280	No
121	GOM_TRA_1PNPDE20100121_222934_000000372086_00144_41280_5942.N1	21-JAN-2010 22:29:34	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	41280	No
122	GOM_TRA_1PNPDE20100121_224207_000000342086_00144_41280_5943.N1	21-JAN-2010 22:42:07	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	41280	No
123	GOM_TRA_1PNPDE20100121_224547_000000342086_00144_41280_5944.N1	21-JAN-2010 22:45:47	Bright	34.000	60	7Bet UMi	2.0810	3950.0	68	41280	No
124	GOM_TRA_1PNPDE20100121_225016_000000462086_00144_41280_5945.N1	21-JAN-2010 22:50:16	Bright	46.000	119	14Eta Dra	2.7270	4700.0	92	41280	No
125	GOM_TRA_1PNPDE20100121_225304_000000362086_00144_41280_5946.N1	21-JAN-2010 22:53:04	Bright	35.500	130	23Bet Dra	2.7990	5800.0	71	41280	No
126	GOM_TRA_1PNPDE20100121_225927_000000562086_00144_41280_5947.N1	21-JAN-2010 22:59:27	Bright	56.000	133	40Zet Her	2.8070	6000.0	112	41280	No
127	GOM_TRA_1PNPDE20100121_230243_000000402086_00144_41280_5948.N1	21-JAN-2010 23:02:43	Bright	39.500	127	27Bet Her	2.7810	4700.0	79	41280	No
128	GOM_TRA_1PNPDE20100121_230422_000000522086_00144_41280_5949.N1	21-JAN-2010 23:04:22	Bright	52.000	59	55Alp Oph	2.0800	8900.0	104	41280	No
129	GOM_TRA_1PNPDE20100121_231159_000000452086_00144_41280_5950.N1	21-JAN-2010 23:11:59	Bright	44.500	98	13Zet Oph	2.5710	30000.	89	41280	No
130	GOM_TRA_1PNPDE20100121_231628_000000552086_00144_41280_5949.N1	21-JAN-2010 23:16:28	Twilight	55.000	16	21Alp Sco	1.0200	3000.0	110	41280	No

131	GOM_TRA_1PNPDE20100121_231759_000000422086_00144_41280_5950.N1	21-JAN-2010 23:17:59	Twilight	41.500	75	26Eps Sco	2.2910	4250.0	83	41280	No
132	GOM_TRA_1PNPDE20100121_232157_000000422086_00144_41280_5951.N1	21-JAN-2010 23:21:57	Dark	42.000	131	Gam Lup	2.8000	26000.	84	41280	No
133	GOM_TRA_1PNPDE20100121_232354_000000432086_00144_41280_5952.N1	21-JAN-2010 23:23:54	Dark	42.500	109	Bet Lup	2.6770	26000.	85	41280	No
134	GOM_TRA_1PNPDE20100121_232523_000000432086_00144_41280_5953.N1	21-JAN-2010 23:25:23	Dark	43.000	78	Alp Lup	2.3040	28000.	86	41280	No
135	GOM_TRA_1PNPDE20100121_232737_000000542086_00145_41281_5954.N1	21-JAN-2010 23:27:37	Dark	54.000	4	Alp1Cen	-0.010000	5800.0	108	41281	No
136	GOM_TRA_1PNPDE20100121_232857_000000422086_00145_41281_5955.N1	21-JAN-2010 23:28:57	Dark	42.000	77	Eps Cen	2.3030	28000.	84	41281	No
137	GOM_TRA_1PNPDE20100121_233208_000000452086_00145_41281_5956.N1	21-JAN-2010 23:32:08	Dark	45.000	12	Alp1Cru	0.77500	30000.	90	41281	No
138	GOM_TRA_1PNPDE20100121_233516_000000382086_00145_41281_5957.N1	21-JAN-2010 23:35:16	Dark	38.000	124	The Car	2.7640	30000.	76	41281	No
139	GOM_TRA_1PNPDE20100121_233635_000000432086_00145_41281_5958.N1	21-JAN-2010 23:36:35	Dark	42.500	159	Ups Car	2.9200	7200.0	85	41281	No
140	GOM_TRA_1PNPDE20100121_233828_000000472086_00145_41281_5959.N1	21-JAN-2010 23:38:28	Dark	46.500	71	lot Car	2.2460	7700.0	93	41281	No
141	GOM_TRA_1PNPDE20100121_234018_000000392086_00145_41281_5960.N1	21-JAN-2010 23:40:18	Dark	39.000	46	Del Vel	1.9540	10600.	78	41281	No
142	GOM_TRA_1PNPDE20100121_234256_000000442086_00145_41281_5961.N1	21-JAN-2010 23:42:56	Dark	44.000	34	Gam2Vel	1.7930	23000.	88	41281	No
143	GOM_TRA_1PNPDE20100121_234503_000000432086_00145_41281_5962.N1	21-JAN-2010 23:45:03	Straylight	43.000	70	Zet Pup	2.2460	39000.	86	41281	No
144	GOM_TRA_1PNPDE20100121_234636_000000432086_00145_41281_5963.N1	21-JAN-2010 23:46:36	Straylight	43.000	117	Pi Pup	2.7060	3800.0	86	41281	No
145	GOM_TRA_1PNPDE20100121_234905_000000442086_00145_41281_5964.N1	21-JAN-2010 23:49:05	Straylight	43.500	23	21Eps CMa	1.5020	26000.	87	41281	No
146	GOM_TRA_1PNPDE20100121_235029_000000412086_00145_41281_5965.N1	21-JAN-2010 23:50:29	Straylight	40.500	179	24Omi2CMa	3.0320	24000.	81	41281	No
147	GOM_TRA_1PNPDE20100121_235239_000000432086_00145_41281_5966.N1	21-JAN-2010 23:52:39	Straylight	43.000	1	9Alp CMa	-1.4400	11000.	86	41281	No
148	GOM_TRA_1PNPDE20100121_235856_000000522086_00145_41281_5967.N1	21-JAN-2010 23:58:56	Twilight	52.000	8	10Alp CMi	0.40000	6500.0	104	41281	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"

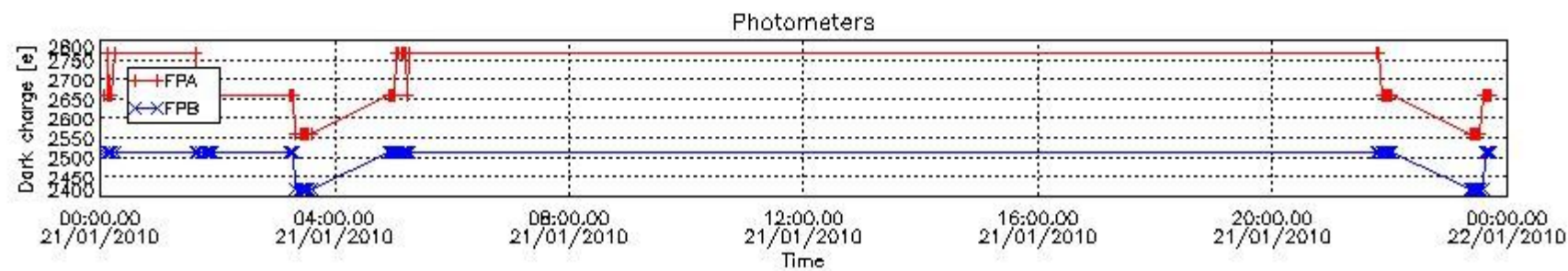
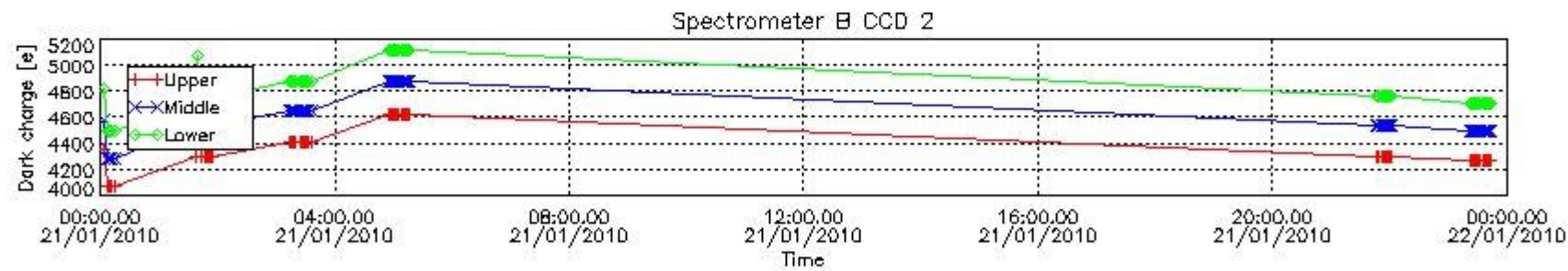
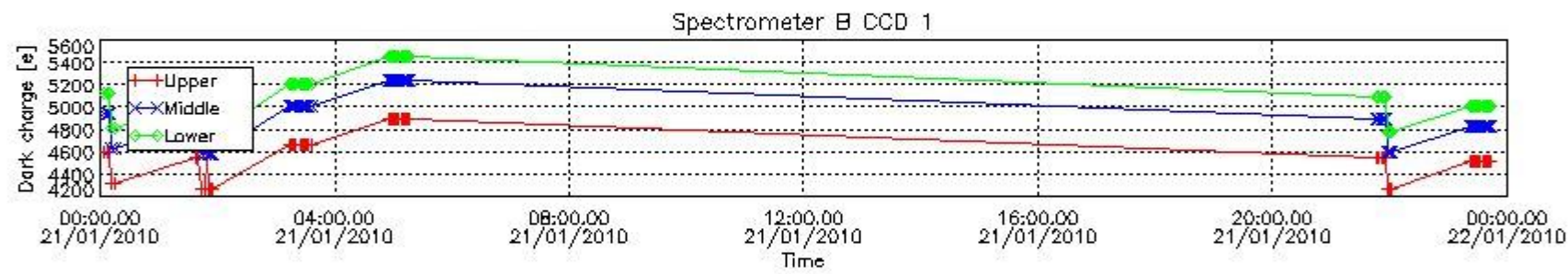
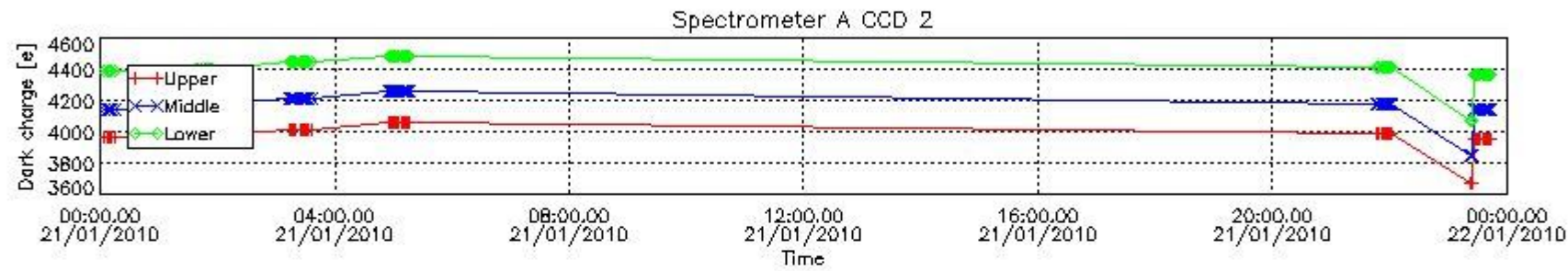
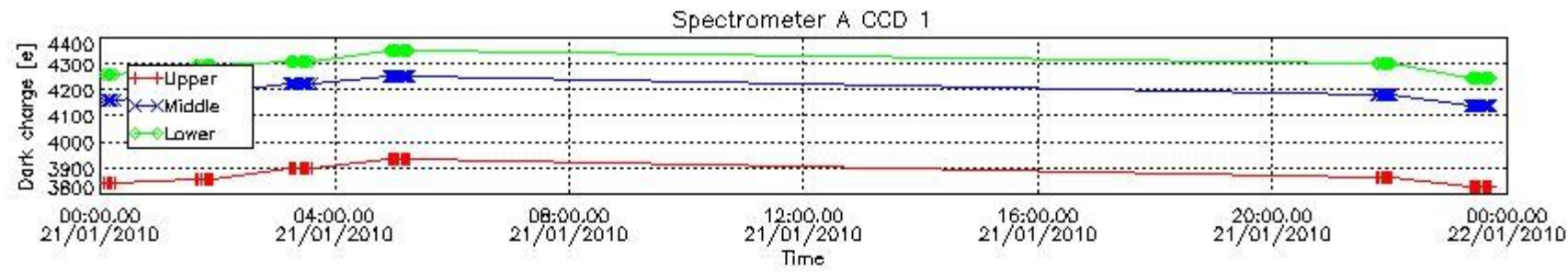


(a pixel is "hot" when its DC exceeds by a significant amount its value measured on ground at the same temperature) and the "Random Telegraphic Signal" (abrupt change positive or negative of the CCD pixel signal, random in time, affecting only the DC part of the signal and not the photon generated signal).

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





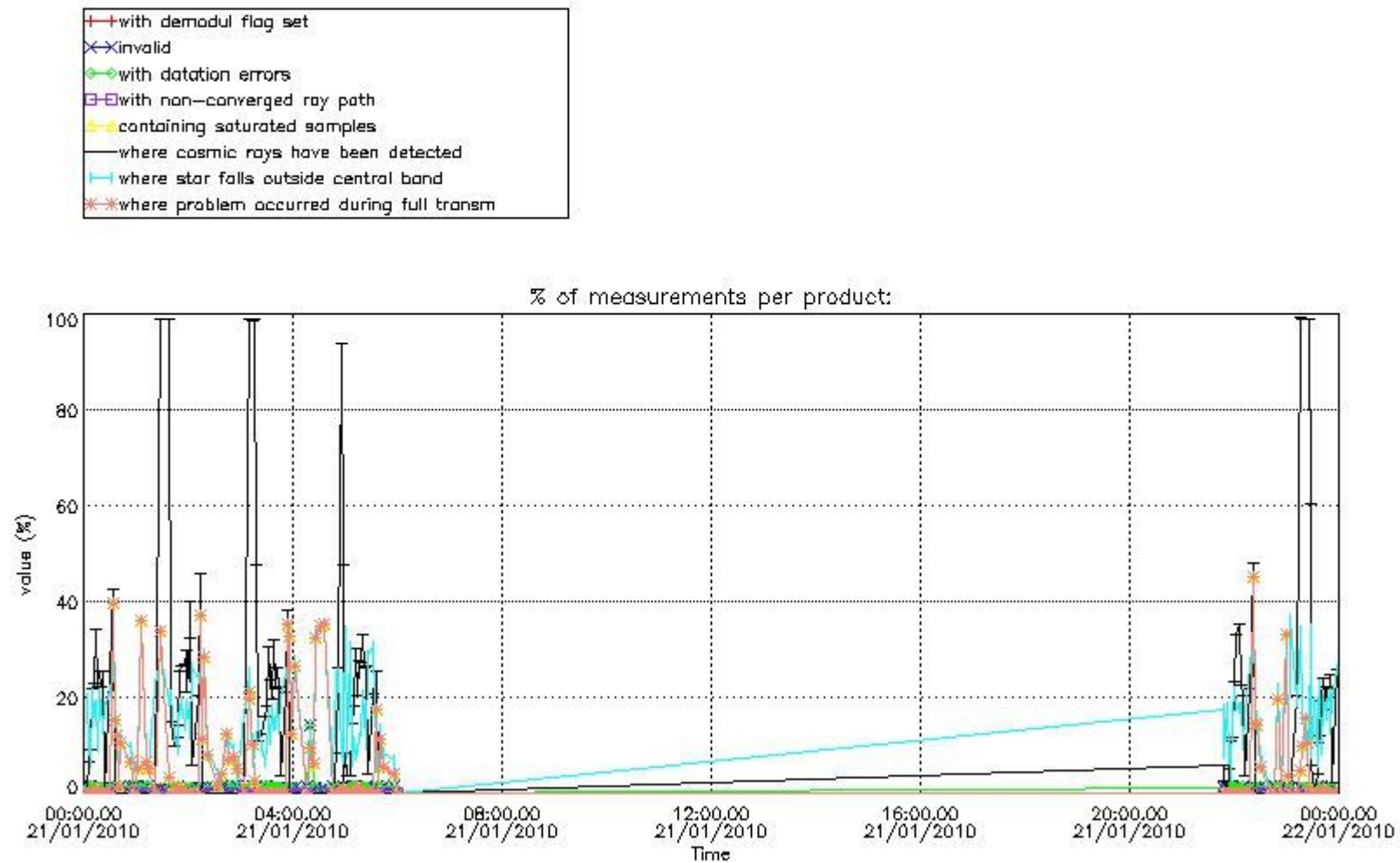
## 5. Demodulation flag and quality information monitoring

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.

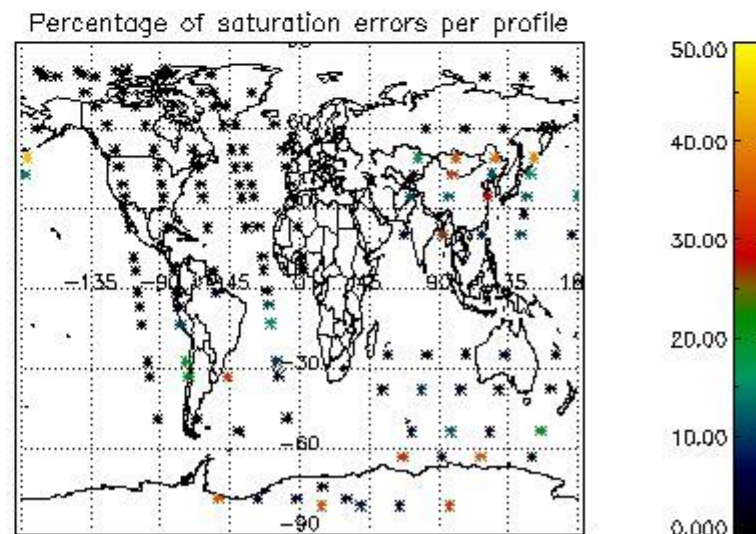
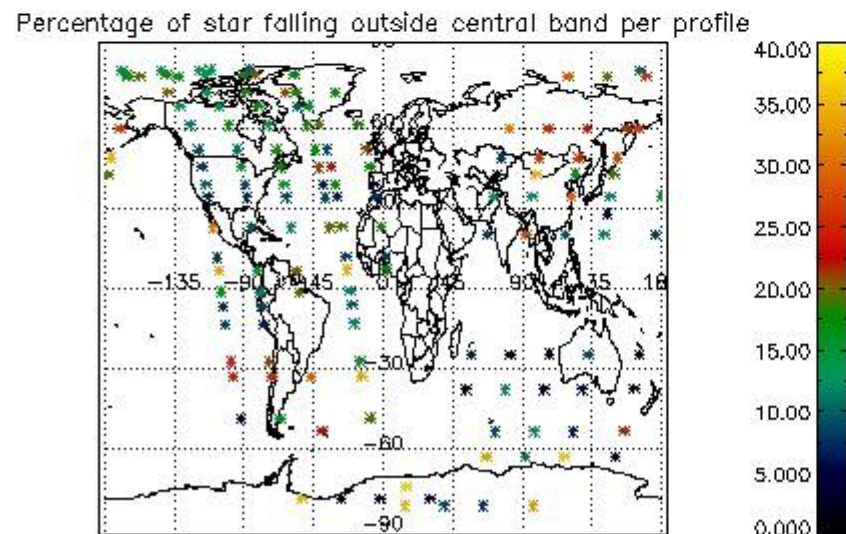
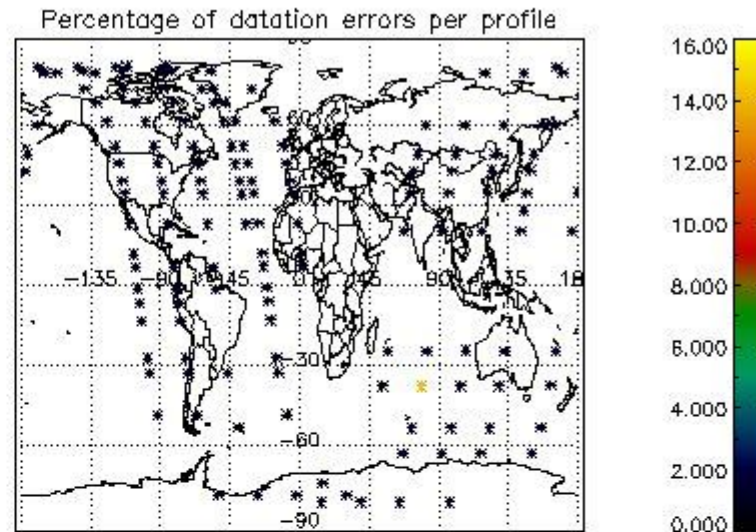
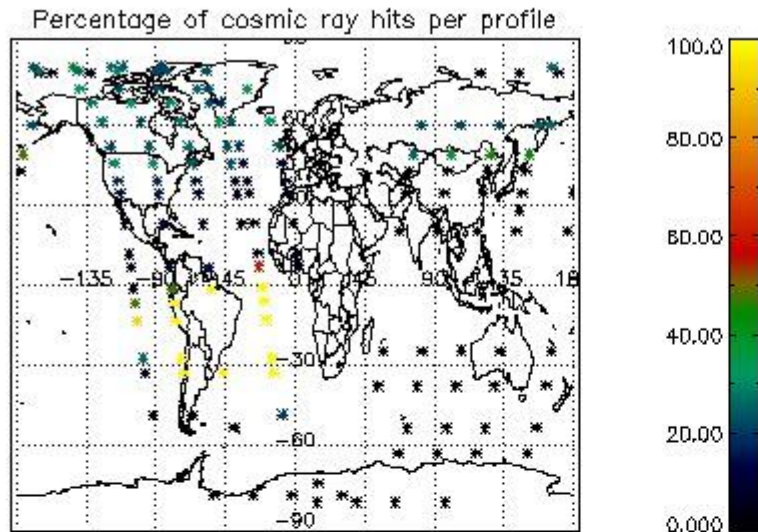
### 5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	43.9189 %
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)



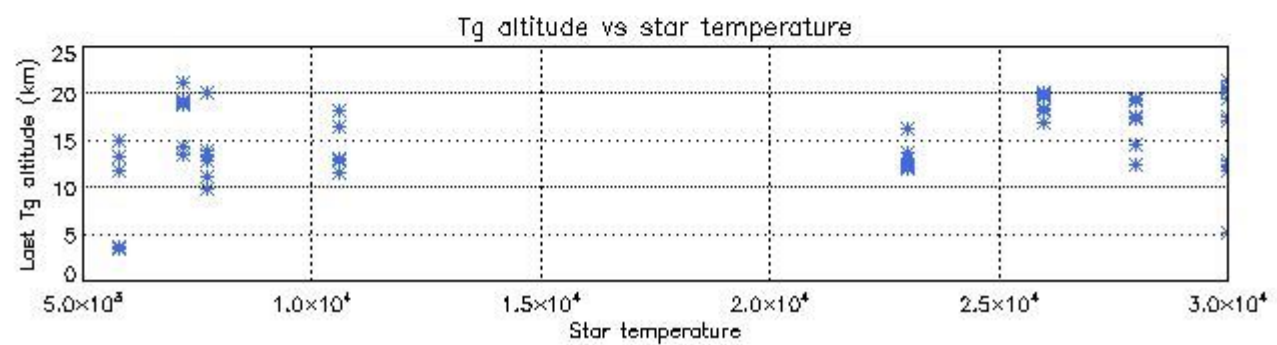
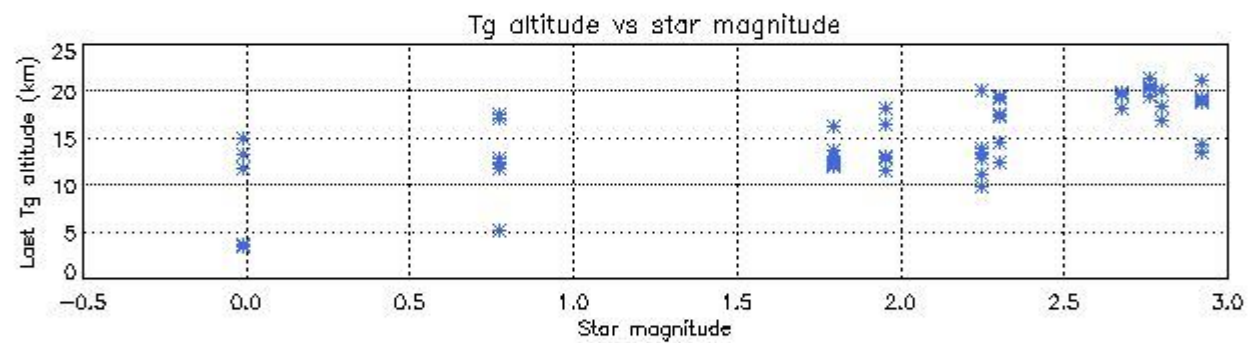
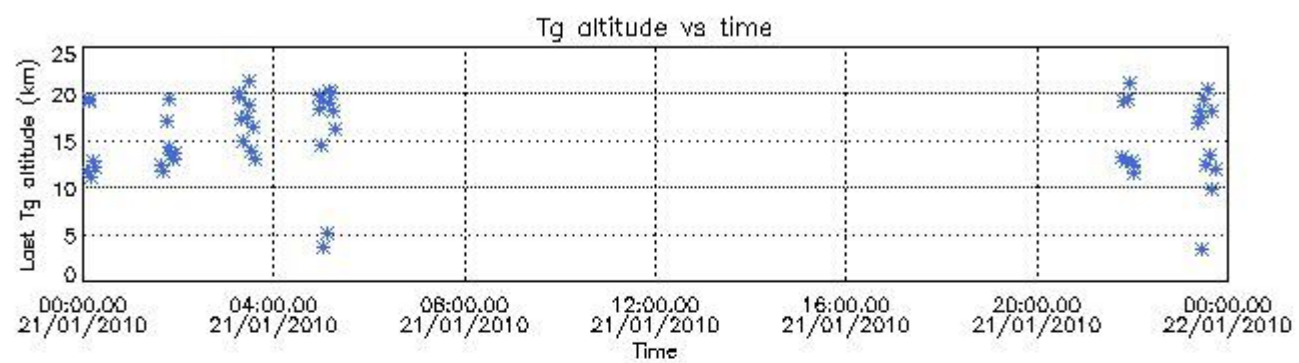
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.435	15.753	8.9274
St. deviation:	4.2693	7.2962	2.9965
Maximum:	21.428	31.299	13.245
Minimum:	3.4958	3.5128	4.2292
Number of data:	54.000	52.000	7.0000

### 6.2 Plot for DARK limb products

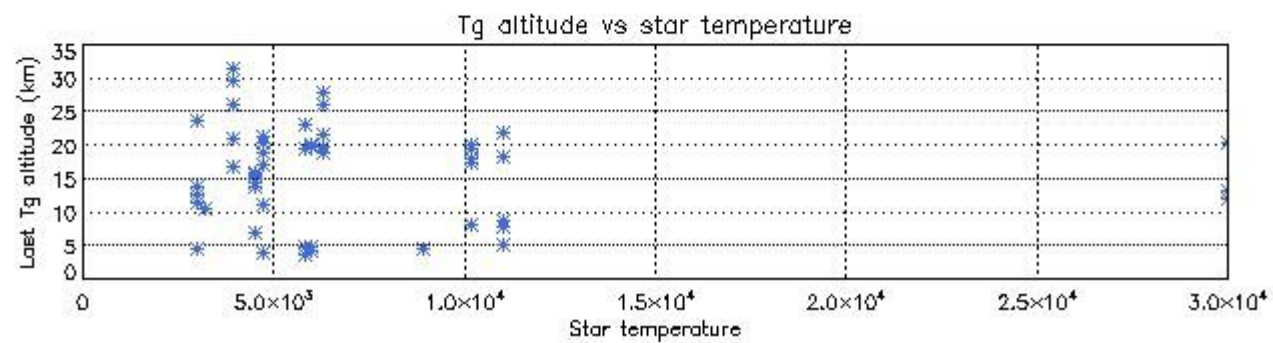
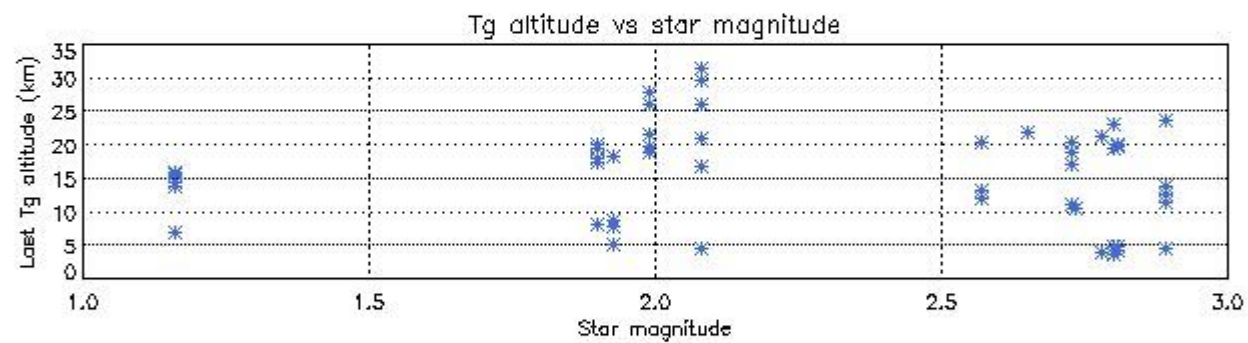
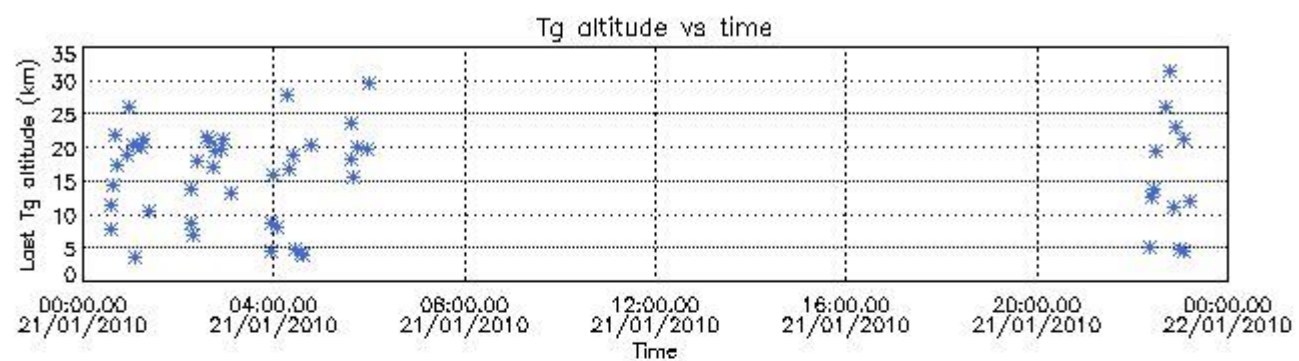
Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

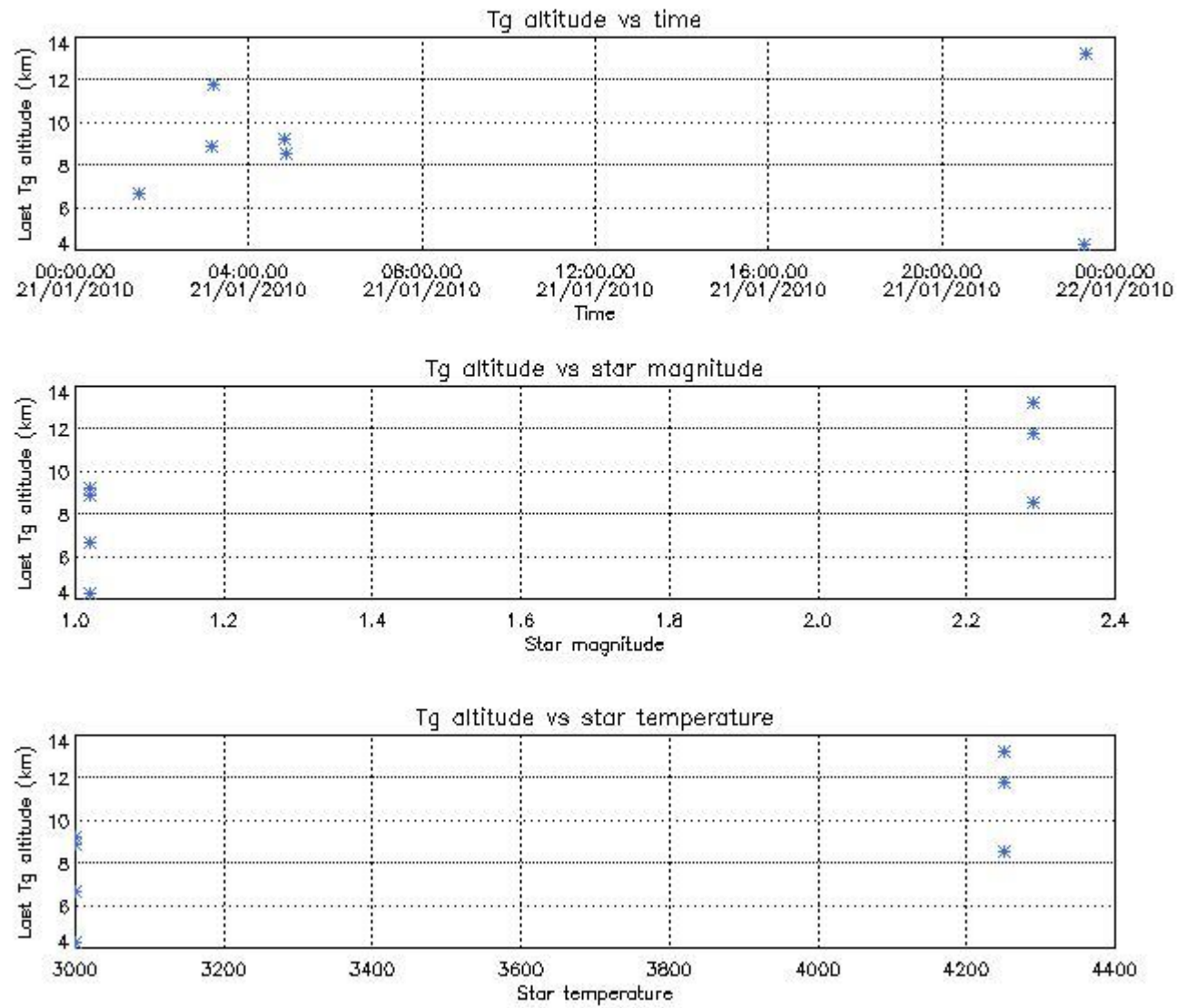


Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

## Tangent altitude at which the star is lost

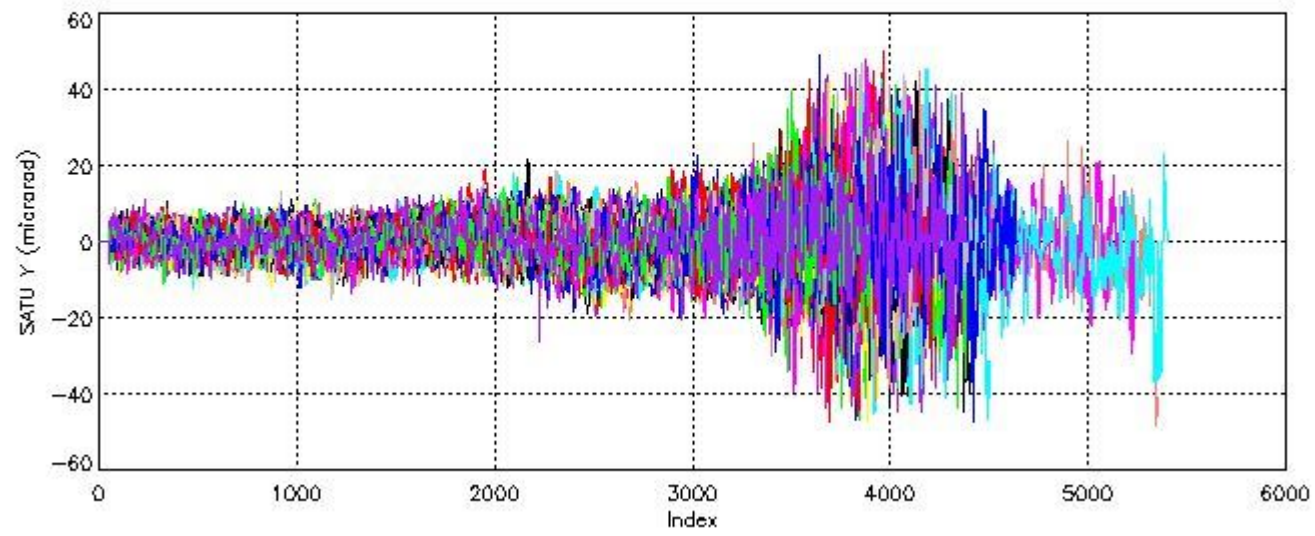
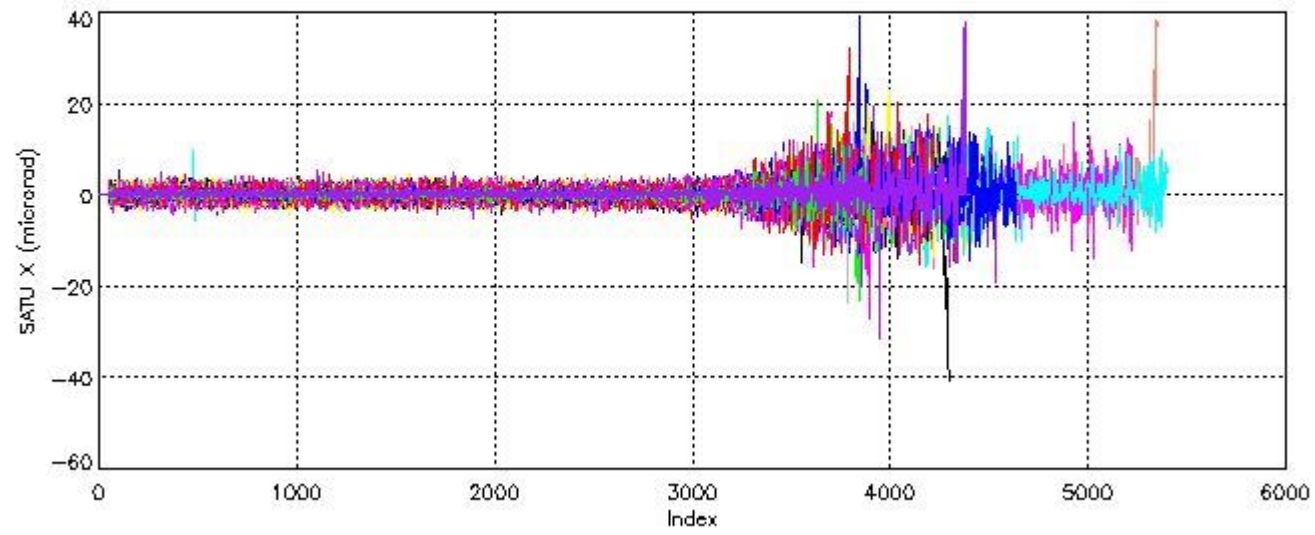


## 7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

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

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

### 7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.16602	0.12460	0.089982	-0.062389
St. deviation:	0.70261	2.6942	0.58374	2.8389
Maximum:	9.8000	11.000	3.8000	10.700
Minimum:	-5.8000	-12.000	-3.7000	-13.000



Number of data:	49100.	49100.	45600.	45600.
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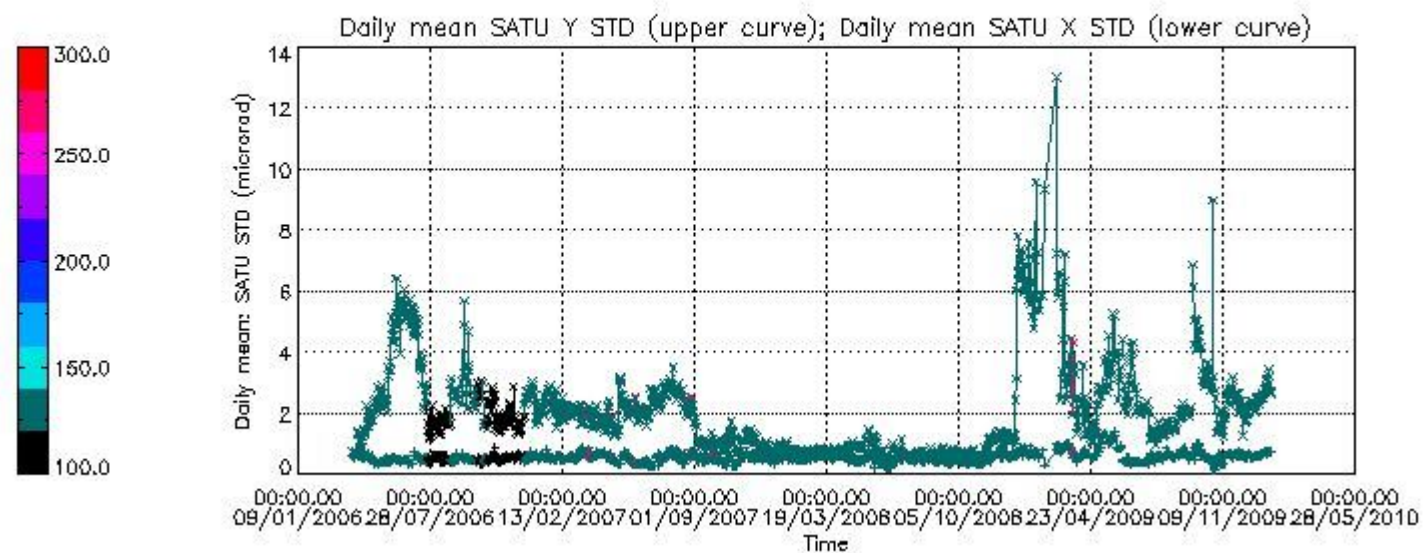
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

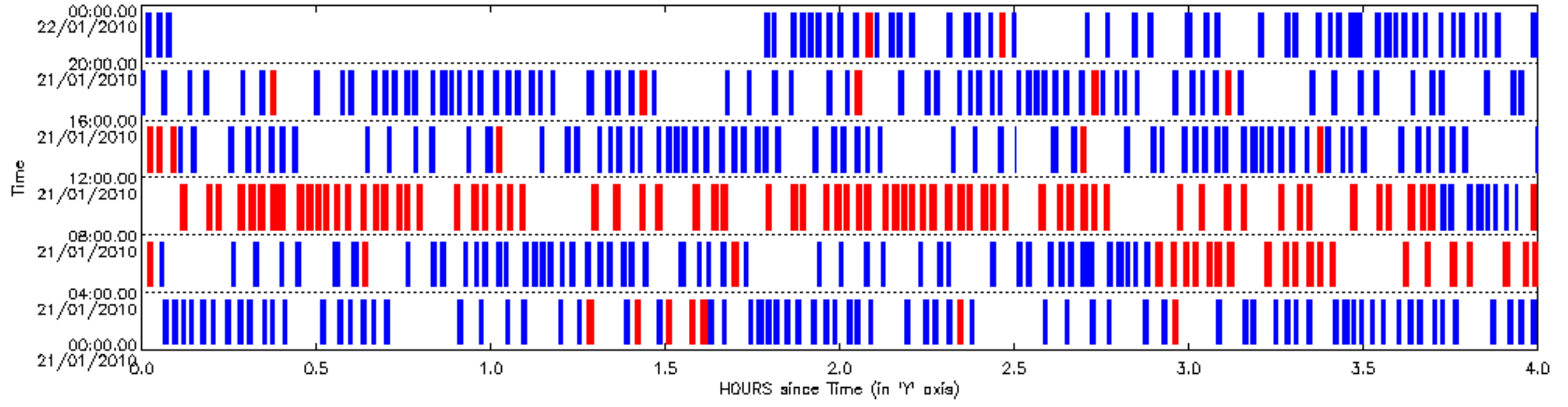
Lower curve: STD of SATU X axis

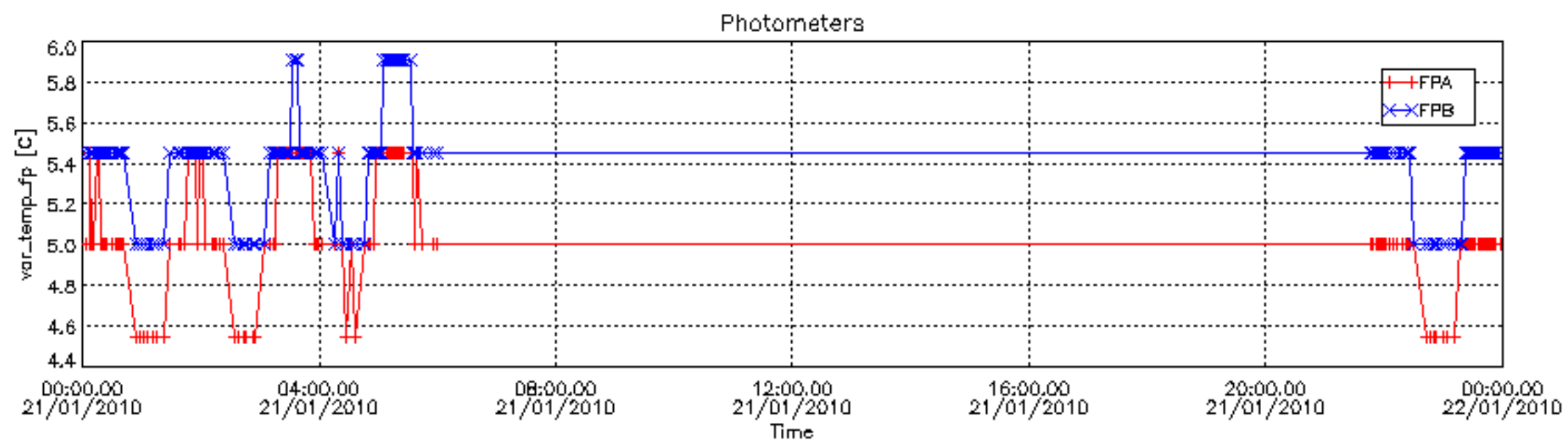
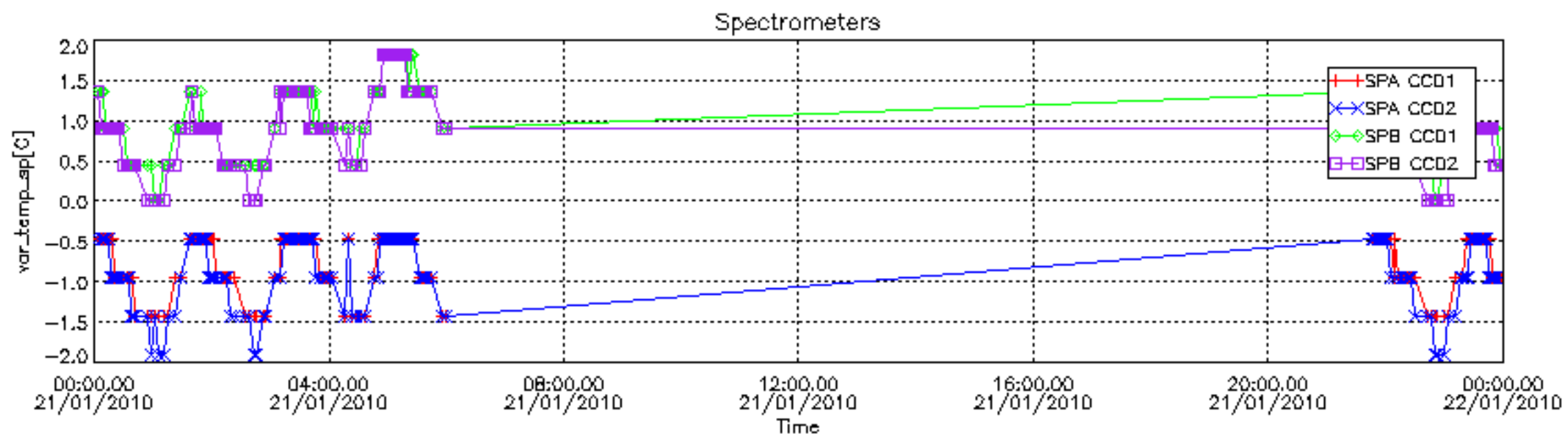


### 8. Auxiliary Data Files used for the production reported in section 2.4

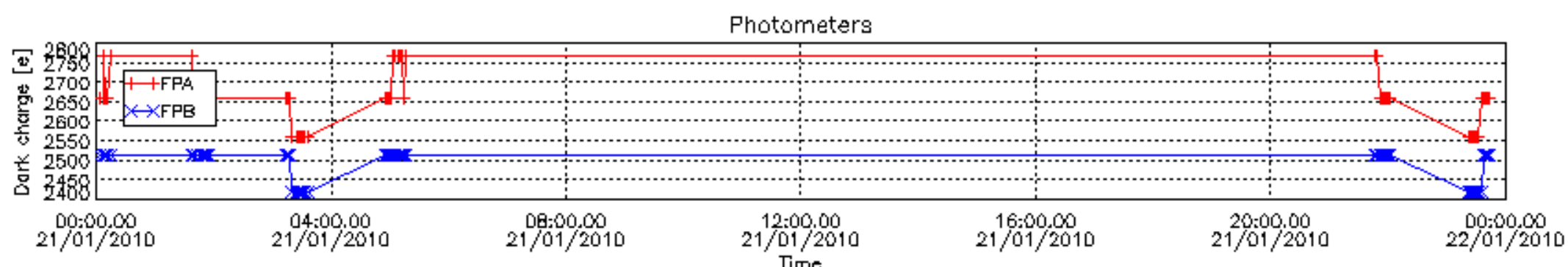
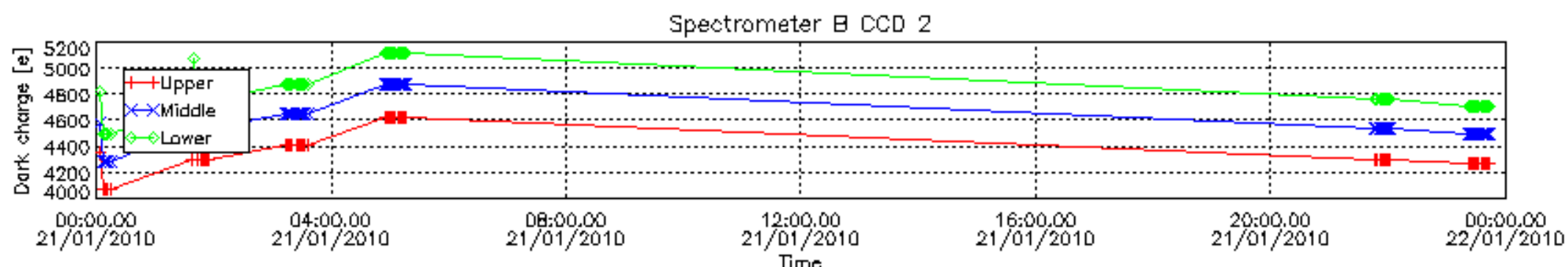
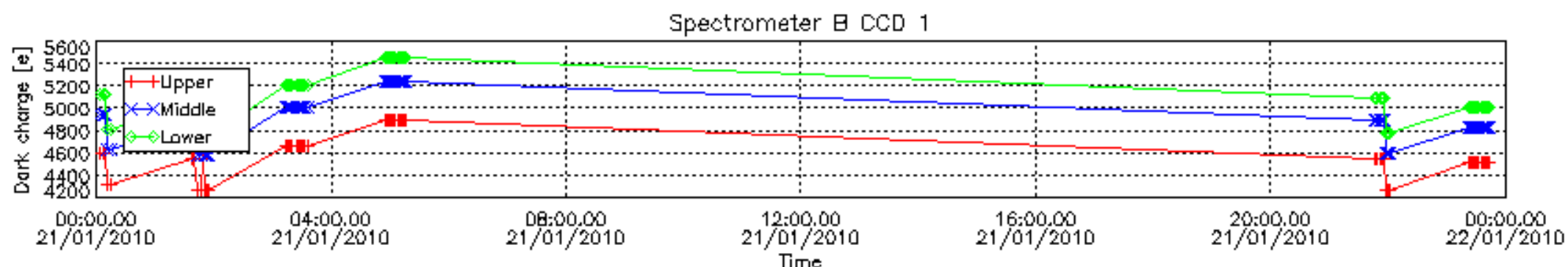
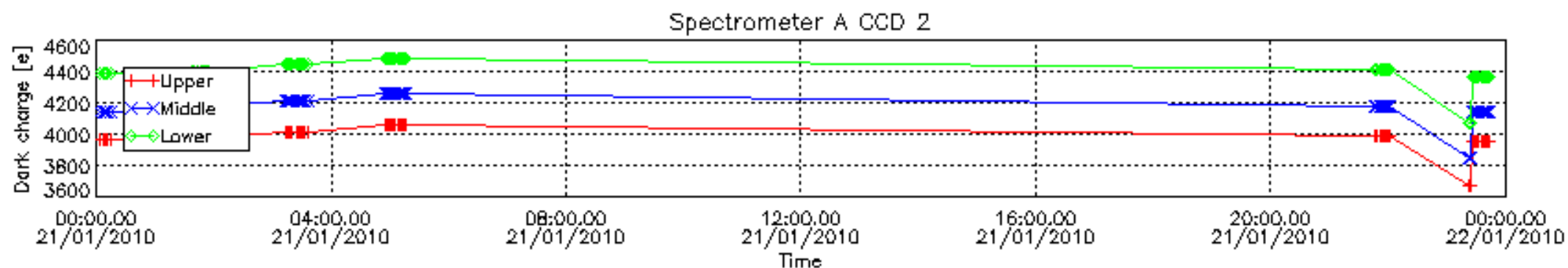
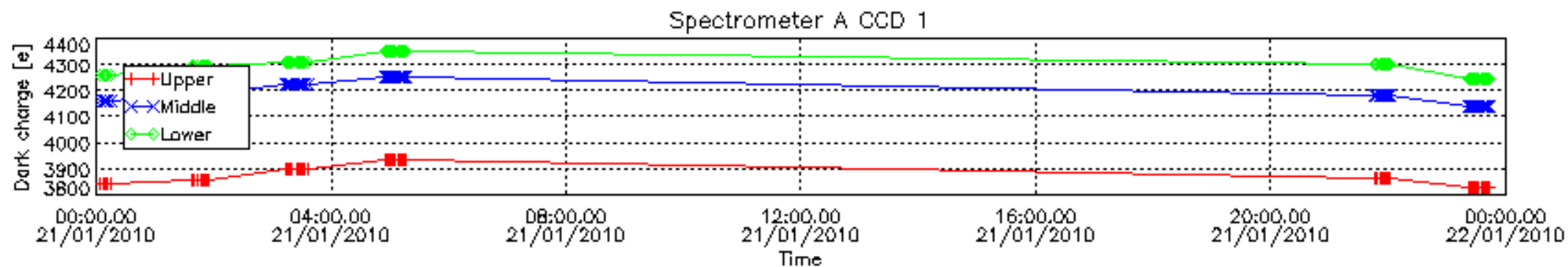
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

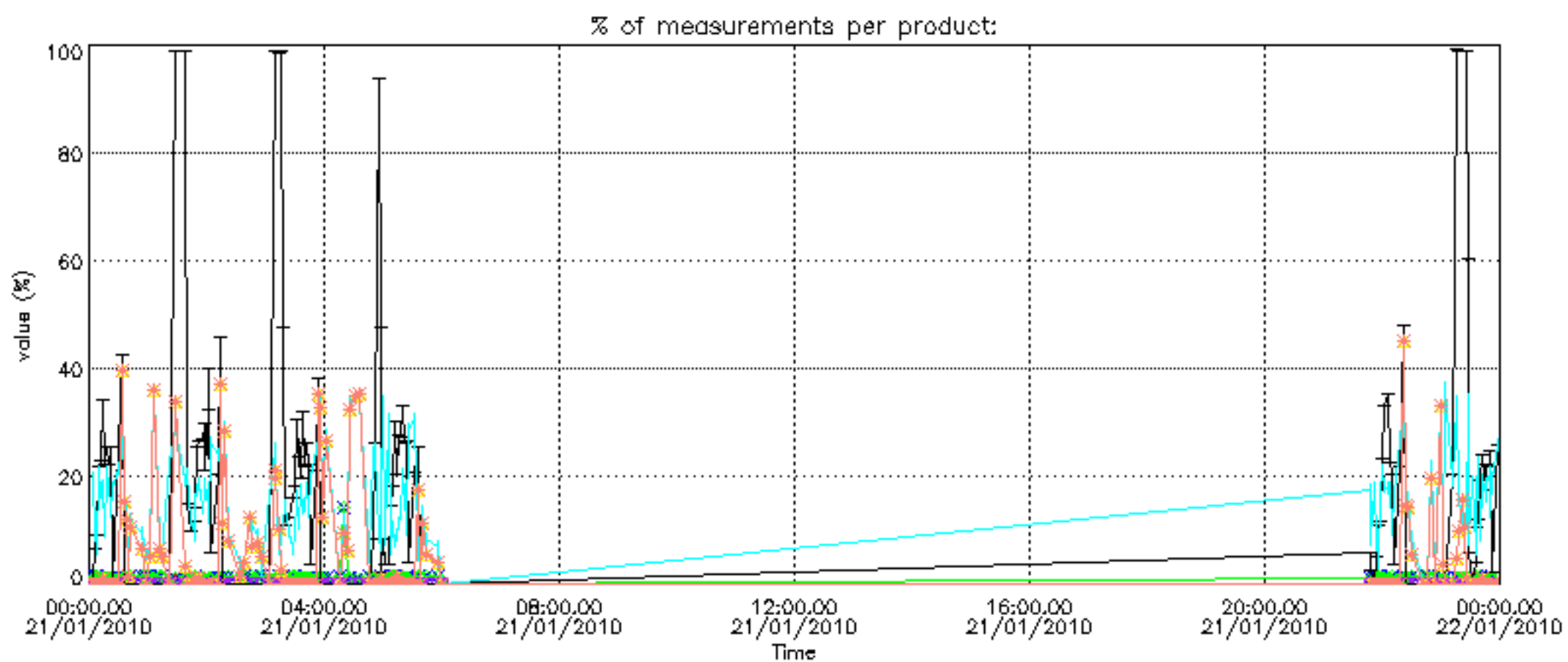
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	21-JAN-2010 00:03:38
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100120_153031_20100118_000000_20500101_000000	1	21-JAN-2010 00:03:38
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	21-JAN-2010 00:03:38
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	21-JAN-2010 00:03:38
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	21-JAN-2010 00:03:38
ECMWF_FILE	AUX_ECF_AXNECM20100120_062112_20100120_210000_20100121_090000	1	21-JAN-2010 00:03:38
ECMWF_FILE	AUX_ECF_AXNECM20100120_180112_20100121_030000_20100121_150000	74	21-JAN-2010 04:19:14
ECMWF_FILE	AUX_ECF_AXNECM20100121_062111_20100121_210000_20100122_090000	105	21-JAN-2010 21:47:01
OPTIONAL_ECMWF_FILE	MISSING	1	21-JAN-2010 00:03:38
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100120_234311_000057382086_00130_41266_9609.N1	1	21-JAN-2010 00:03:38
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100121_012408_000041442086_00131_41267_9610.N1	25	21-JAN-2010 01:28:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100121_023831_000054192086_00132_41268_9611.N1	46	21-JAN-2010 02:43:06
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100121_041409_000057382086_00133_41269_9612.N1	74	21-JAN-2010 04:19:14
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100121_213013_000057382086_00143_41279_9614.N1	105	21-JAN-2010 21:47:01
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100121_231110_000057382086_00144_41280_9615.N1	130	21-JAN-2010 23:16:28



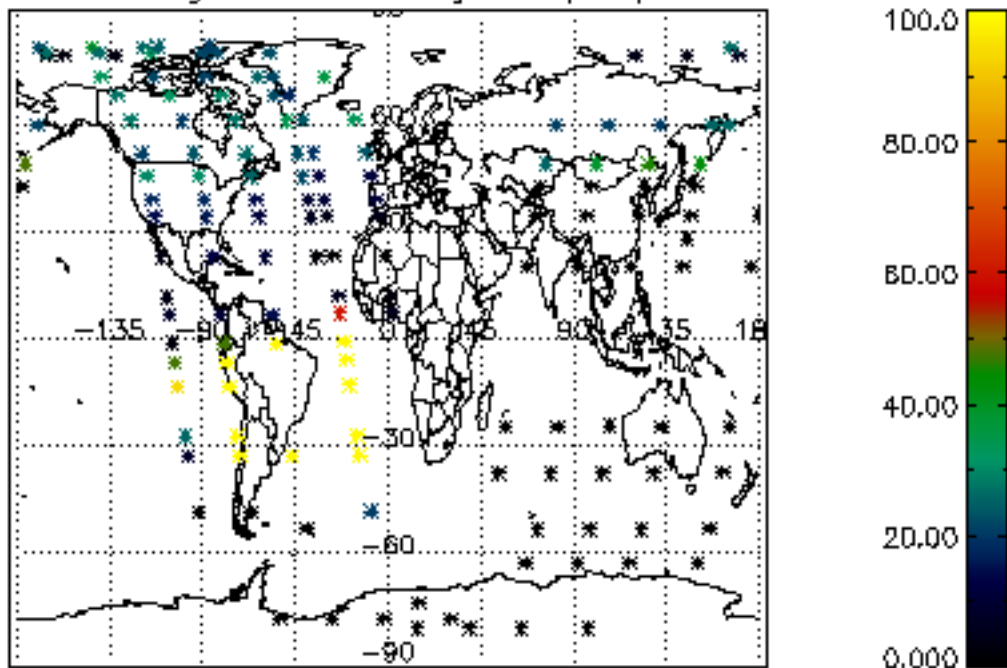




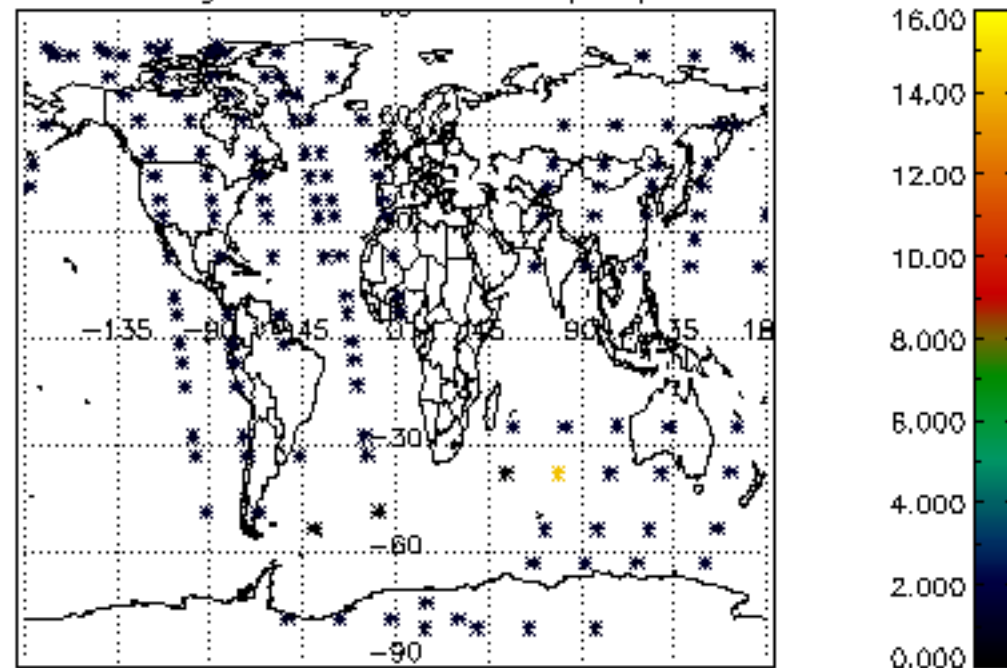




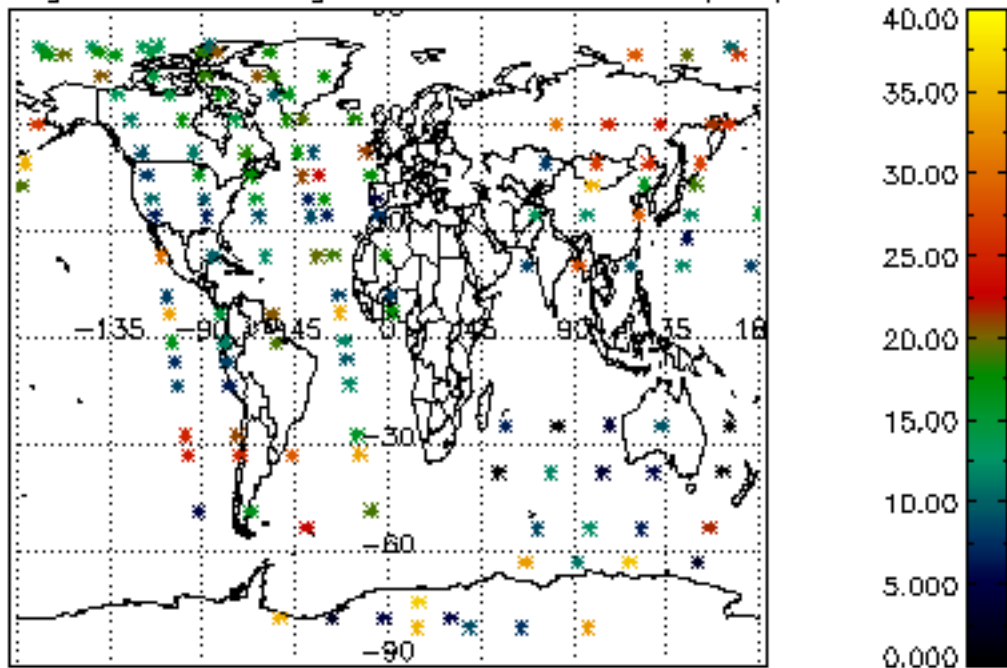
Percentage of cosmic ray hits per profile



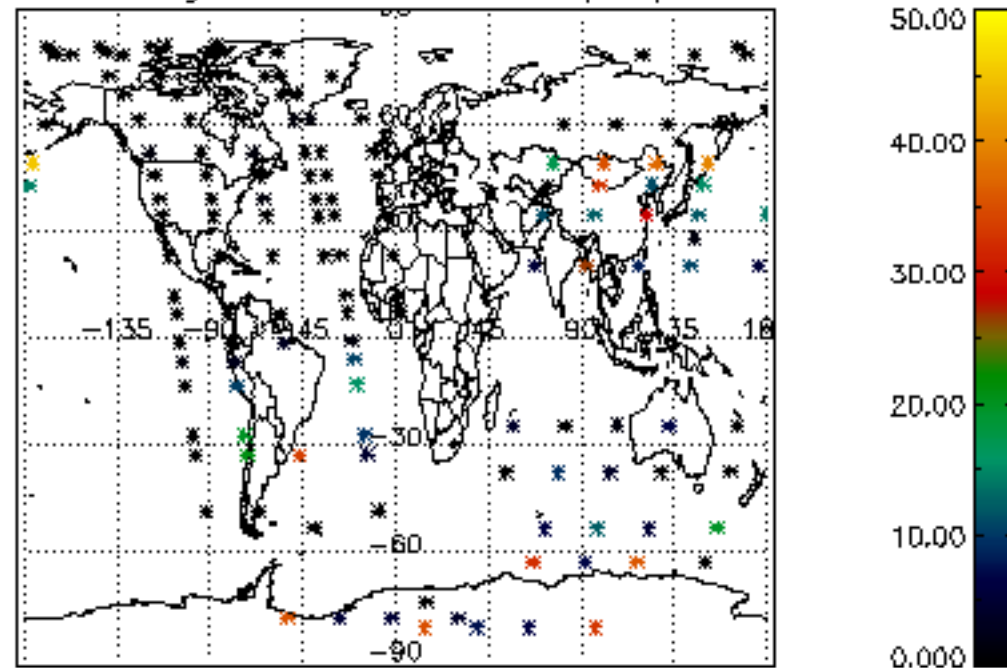
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

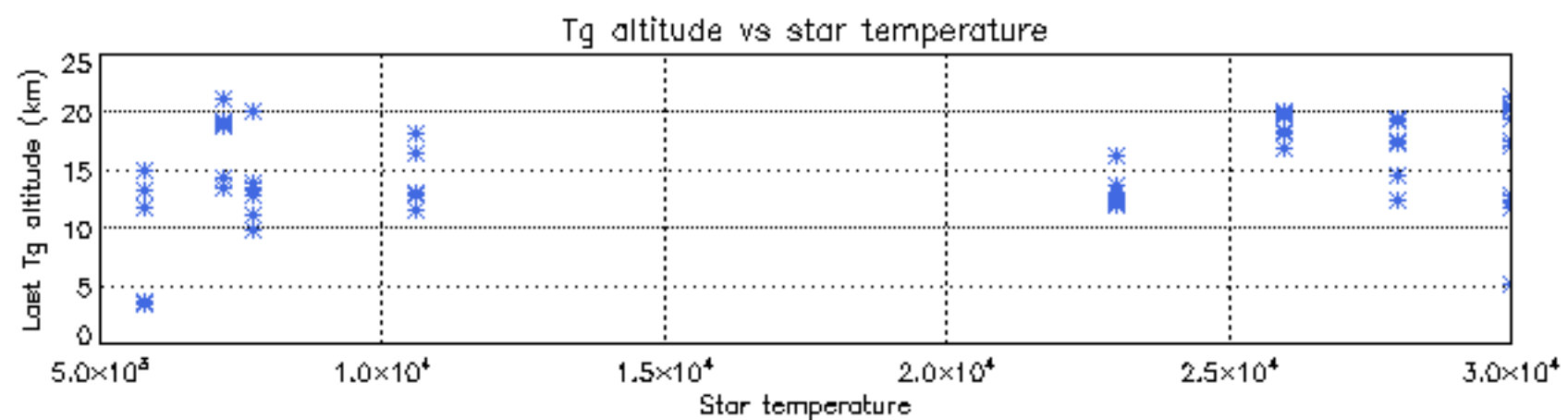
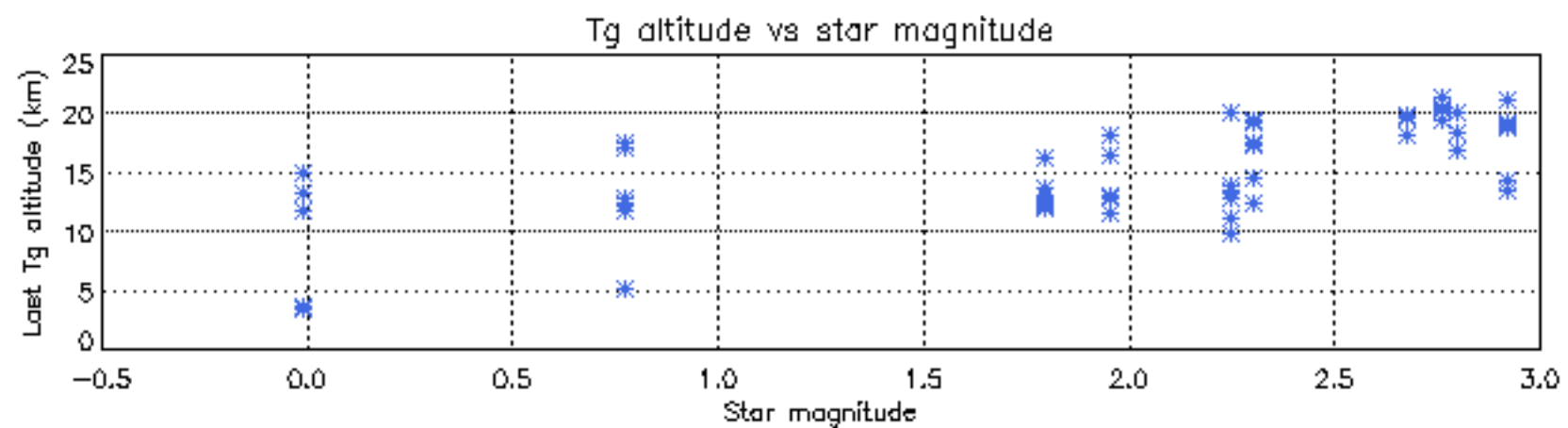
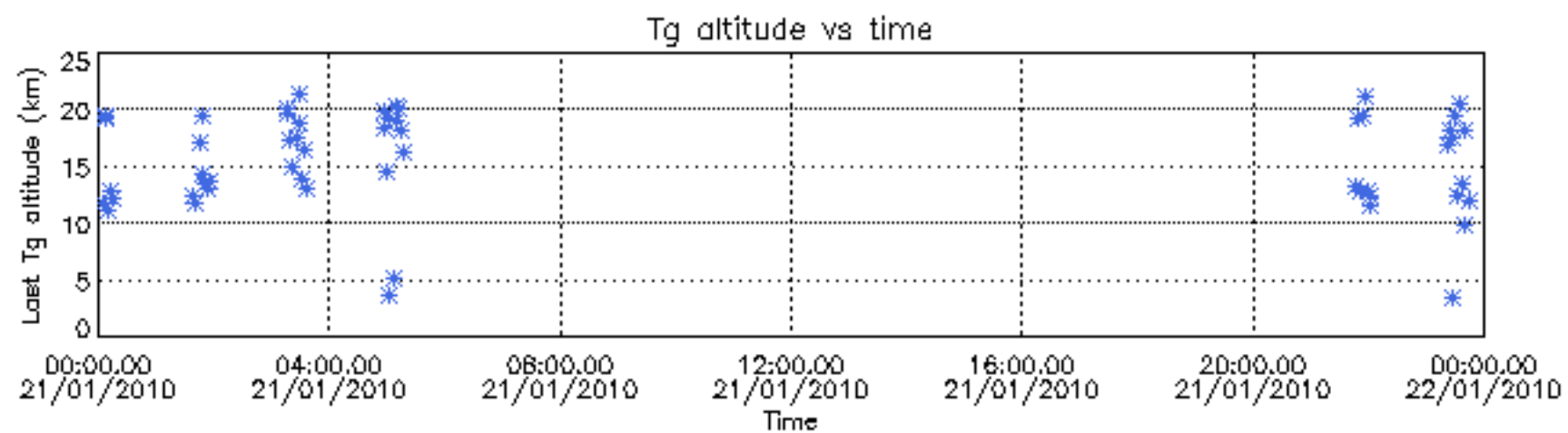


Percentage of saturation errors per profile

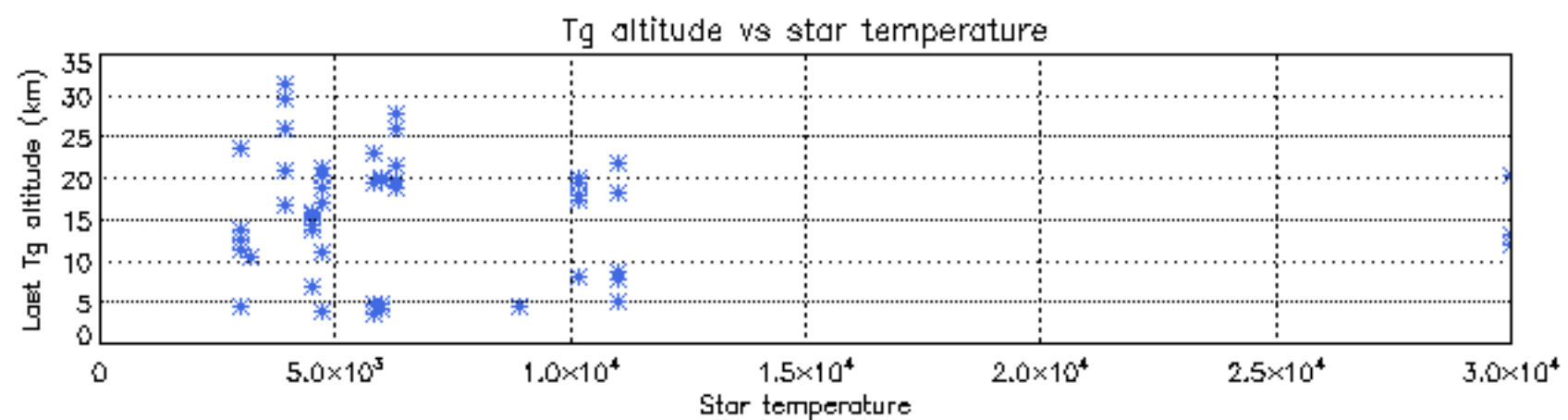
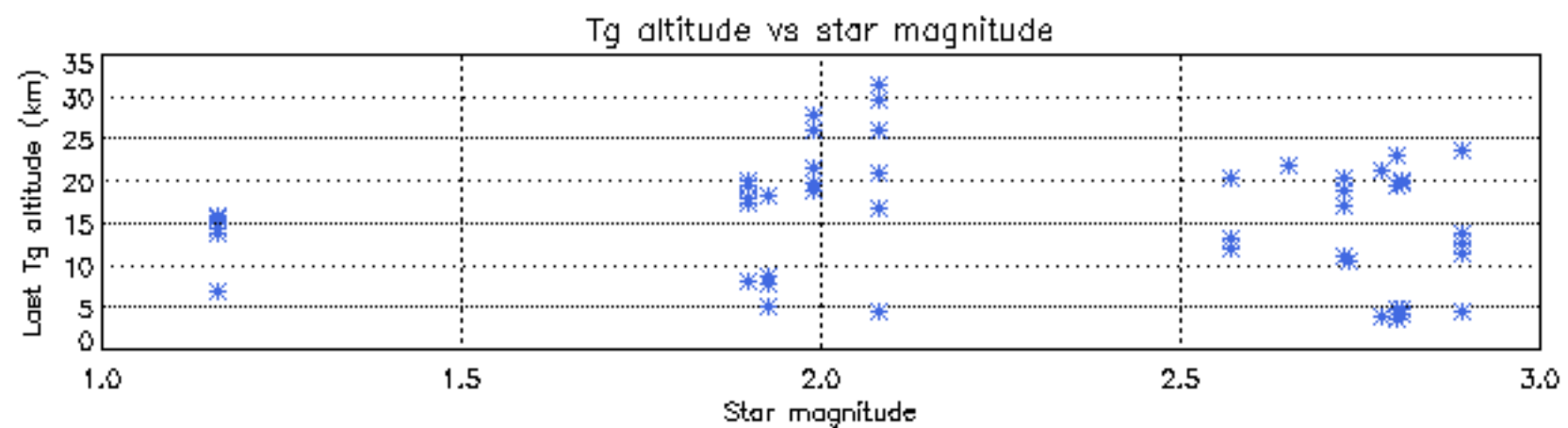
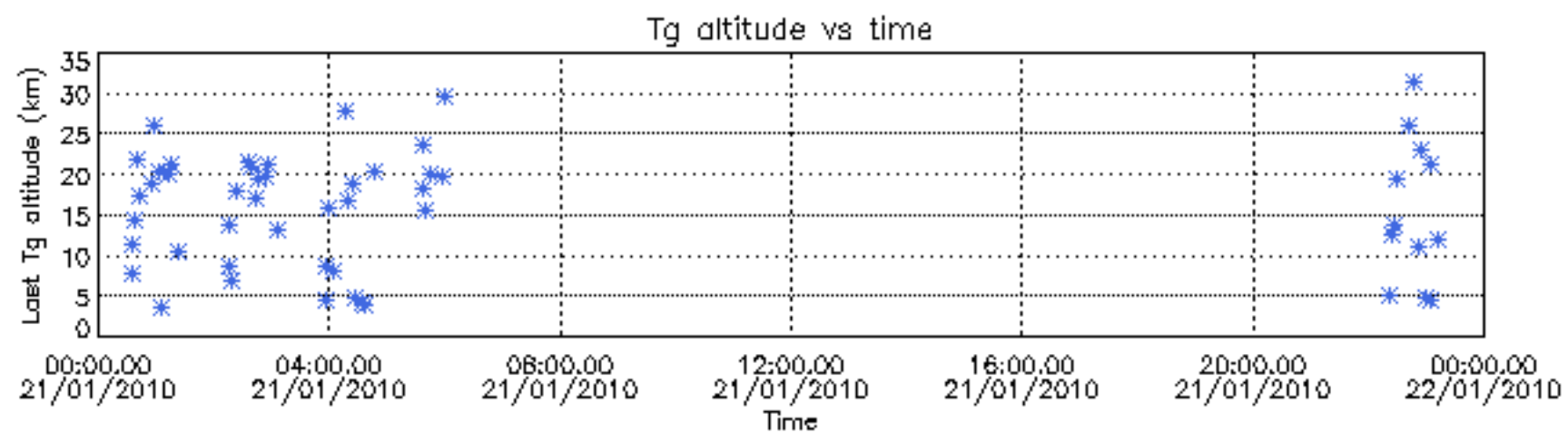




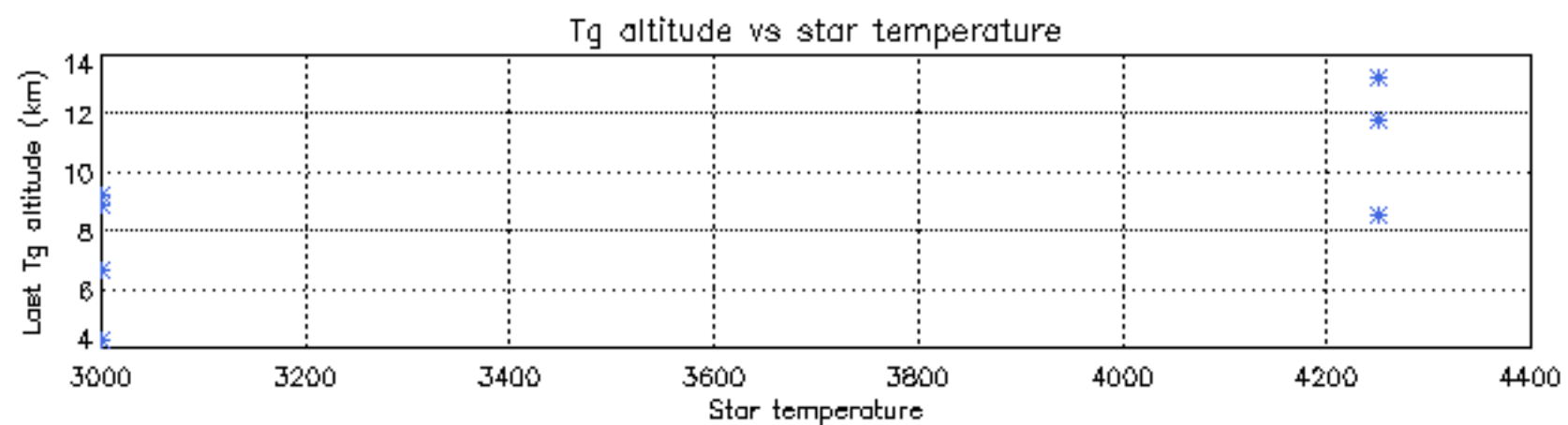
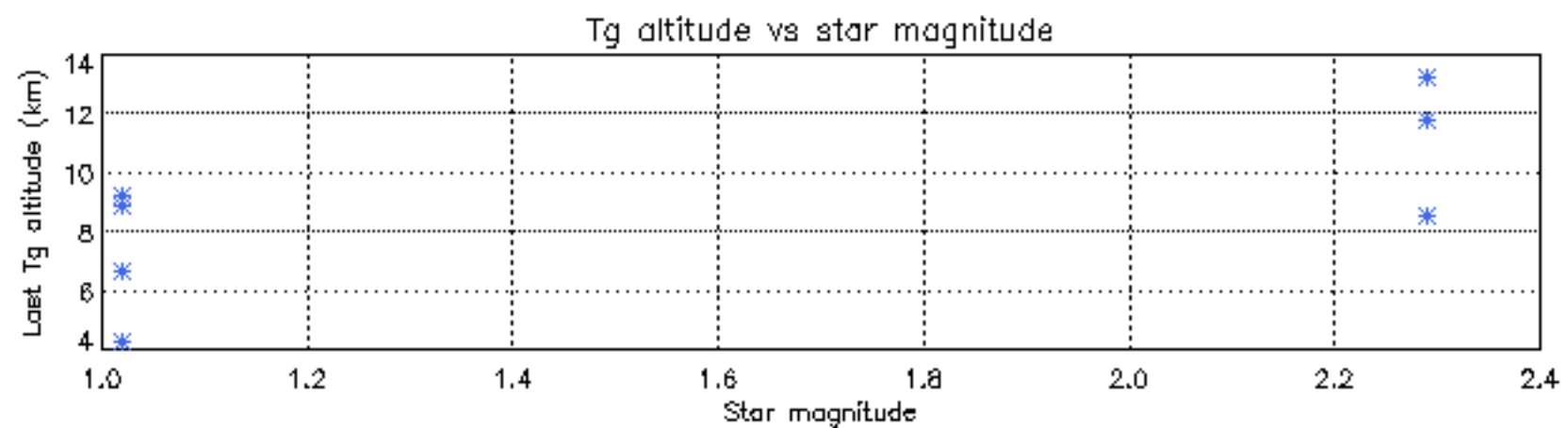
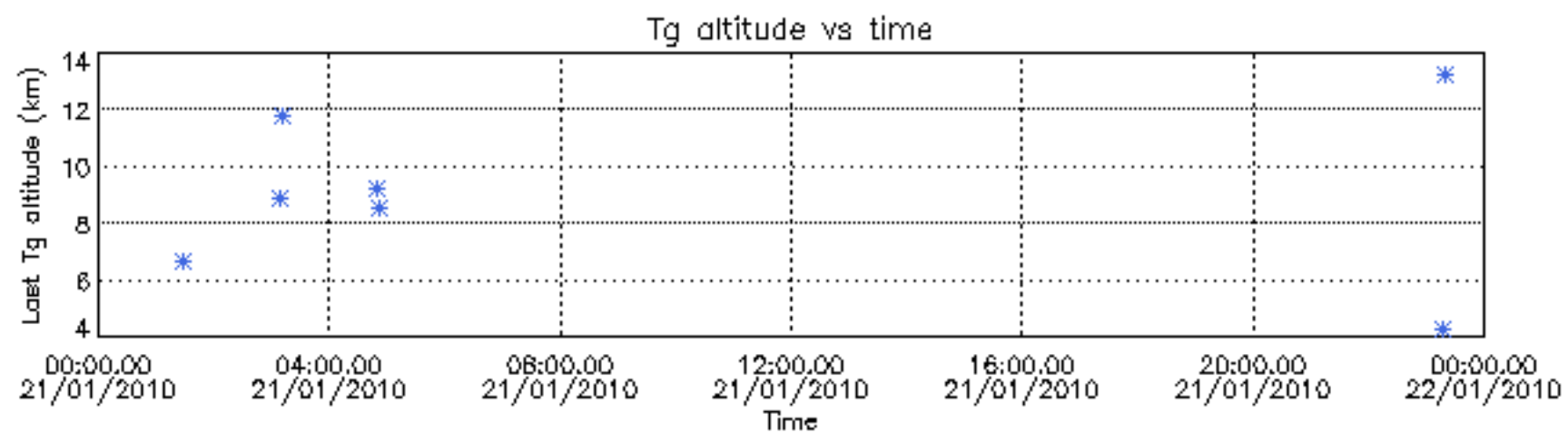
Tangent altitude at which the star is lost

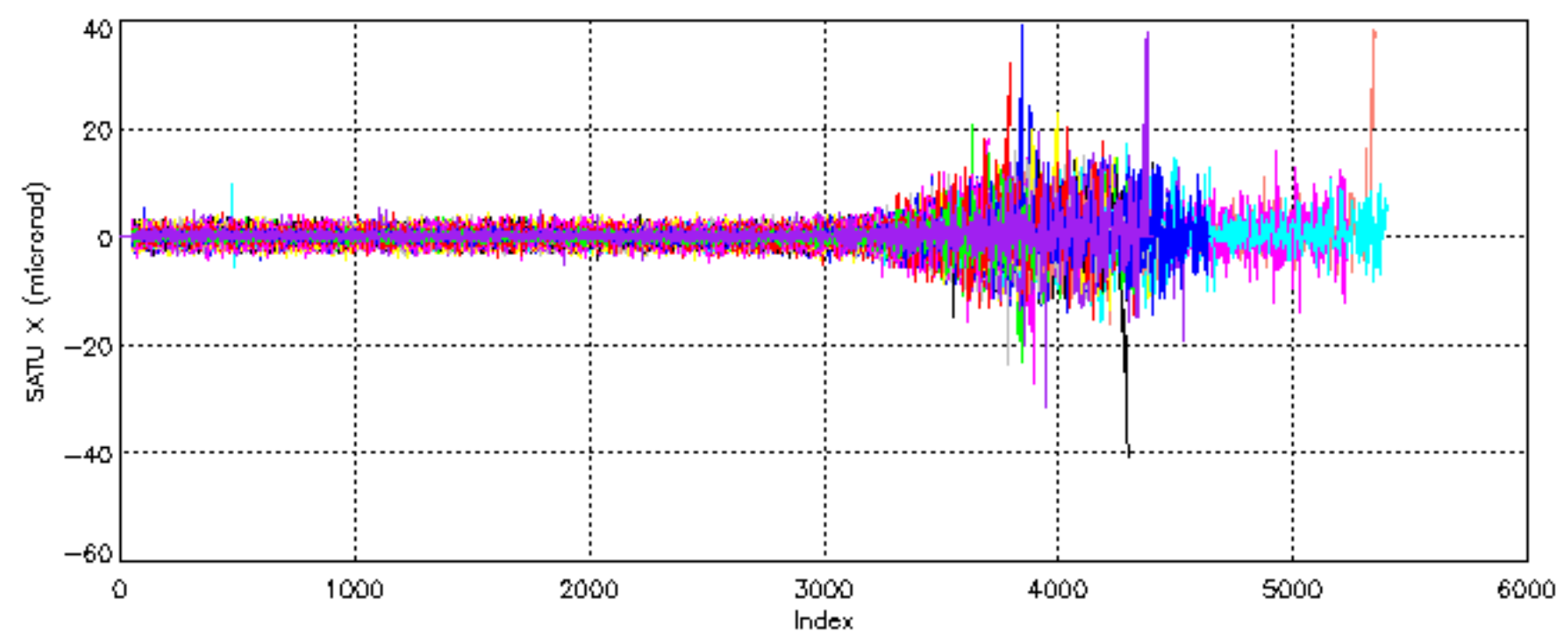


Tangent altitude at which the star is lost

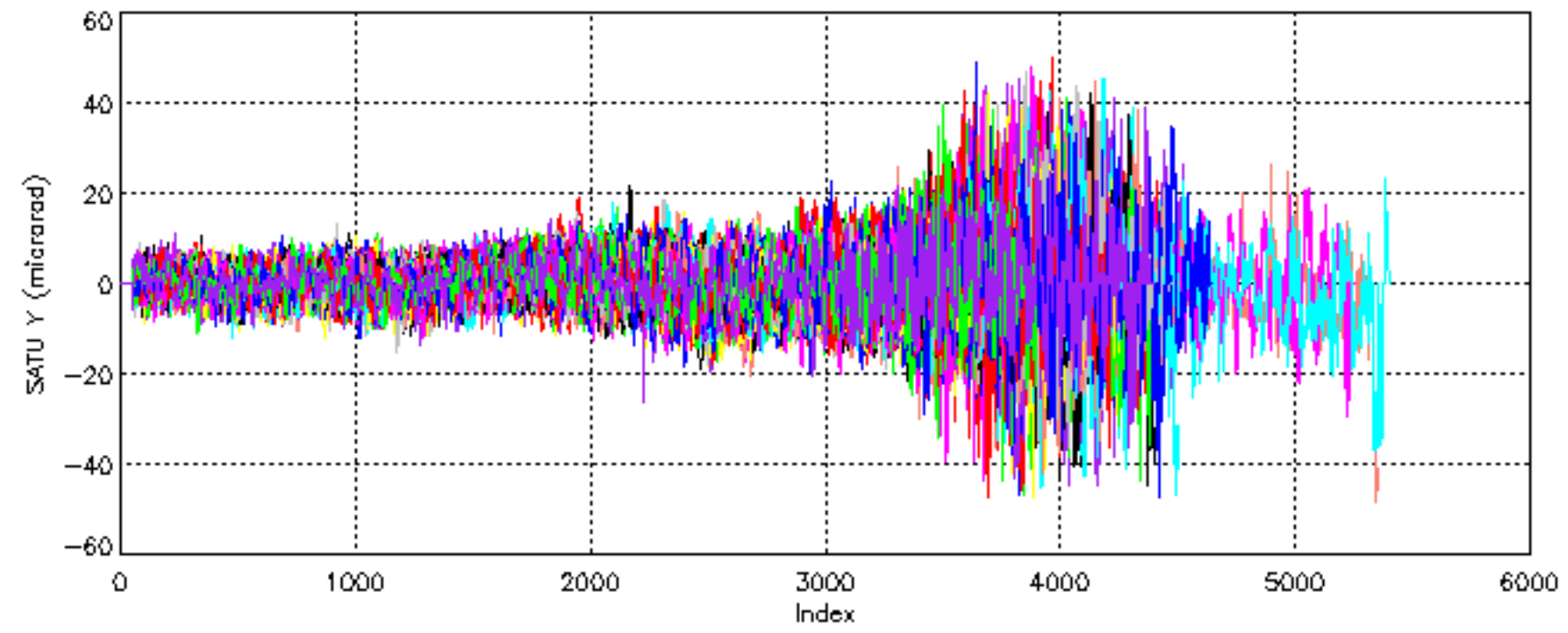


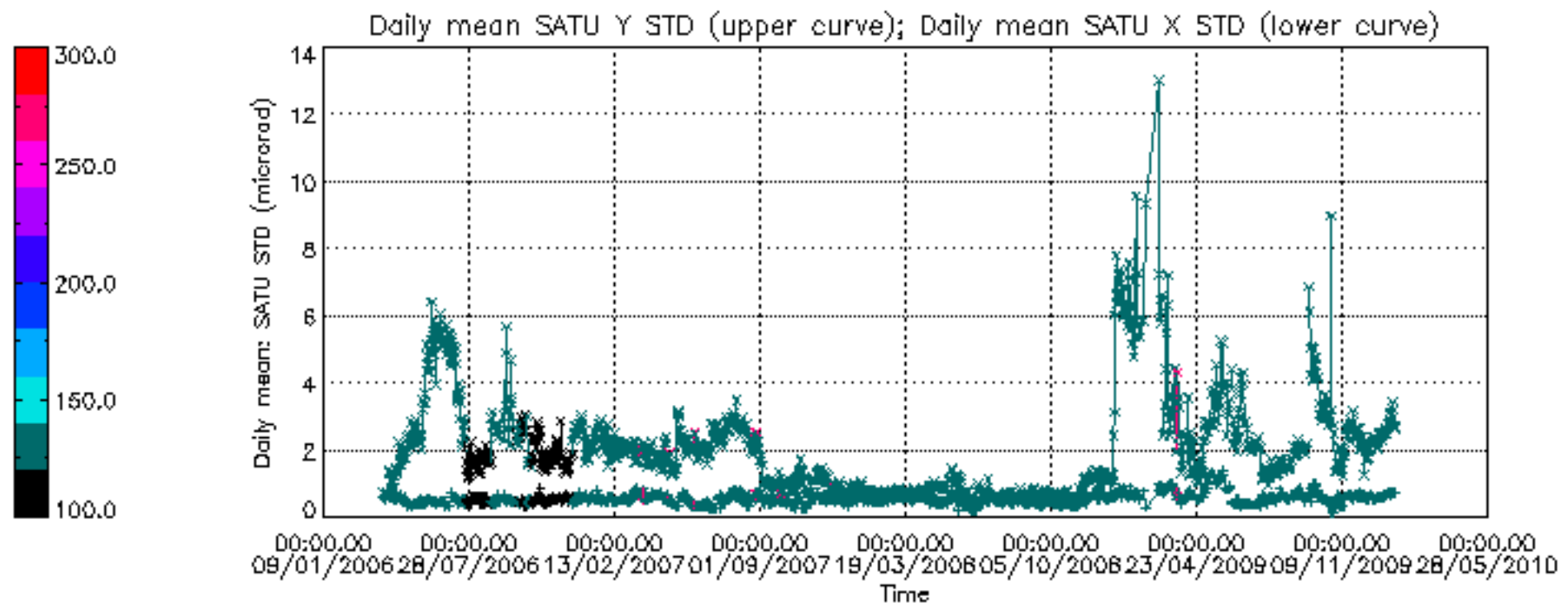
Tangent altitude at which the star is lost











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1; -682.4; 01-JAN-2010 00:14:36; Dark ; 43.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 86; 0;40980  
 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  
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4; 1347.7; 02-JAN-2010 20:24:01; Dark ; 47.0; 23; 21Eps CMA ; 1.50; 26000;occ; 94; 0;41007
5; 1439.4; 02-JAN-2010 20:25:32; Dark ; 43.5; 179; 240mi2CMA ; 3.03; 24000;occ; 87; 0;41007
6; 1584.9; 02-JAN-2010 20:27:58; Dark ; 49.5; 1; 9Alp CMA ; -1.44; 11000;occ; 99; 0;41007
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9; 2319.9; 02-JAN-2010 20:40:13; Bright; 48.0; 151; 13Mu Gem ; 2.89; 3000;occ; 96; 0;41007
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11; 2690.6; 02-JAN-2010 20:46:24; Bright; 41.0; 6; 13Alp Aur ; 0.08; 3400;occ; 82; 0;41007
12; 3688.4; 02-JAN-2010 21:03:01; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;41007
13; 3900.6; 02-JAN-2010 21:06:34; Bright; 50.5; 32; 77Eps UMa ; 1.76; 11000;occ; 101; 0;41007
14; 4103.5; 02-JAN-2010 21:09:56; Bright; 48.5; 39; 85Eta UMa ; 1.85; 24000;occ; 97; 0;41007
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16; 4580.4; 02-JAN-2010 21:17:53; Bright; 42.5; 83; ; 2.38; 11000;occ; 85; 0;41007
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7; 234.9; 02-JAN-2010 21:46:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41008
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18; 2220.9; 02-JAN-2010 22:19:10; Dark ; 49.5; 44; 24Gam Gem ; 1.93; 11000;occ; 99; 0;41008
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22; 3688.3; 02-JAN-2010 22:43:37; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;41008
23; 3900.4; 02-JAN-2010 22:47:09; Bright; 58.0; 32; 77Eps UMa ; 1.76; 11000;occ; 116; 0;41008
24; 4103.2; 02-JAN-2010 22:50:32; Bright; 67.0; 39; 85Eta UMa ; 1.85; 24000;occ; 134; 0;41008
25; 4353.6; 02-JAN-2010 22:54:42; Bright; 41.5; 180; 27Gam Boo ; 3.04; 8000;occ; 83; 0;41008
26; 4580.0; 02-JAN-2010 22:58:29; Bright; 63.0; 83; ; 2.38; 11000;occ; 126; 0;41008
27; 4783.1; 02-JAN-2010 23:01:52; Bright; 57.0; 3; 16Alp Boo ; -0.05; 4250;occ; 114; 0;41008
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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
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13;	1439.7;	02-JAN-2010	23:46:44;	Dark	;	44.5;	179;	240mi2CMA	;	3.03;	24000;occ;	89;	0;41009
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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
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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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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
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11;	-92.2;	02-JAN-2010	06:35:13;	Dark	;	40.0;	95;	Zet Cen	;	2.55;	26000;occ;	80;	0;40998
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22;	1437.4;	02-JAN-2010	07:00:43;	Dark	;	44.0;	179;	240mi2CMA	;	3.03;	24000;occ;	88;	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
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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
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9;	3904.1;	02-JAN-2010	07:41:50;	Bright;	;	46.5;	32;	77Eps UMA	;	1.76;	11000;occ;	93;	0;40999
10;	4105.2;	02-JAN-2010	07:45:11;	Bright;	;	44.0;	39;	85Eta UMA	;	1.85;	24000;occ;	88;	0;40999
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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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13; 4786.8; 03-JAN-2010 12:26:43; Bright; 52.0; 3; 16Alp Boo ;-0.05; 4250;occ; 104; 0;41016  
14; 4901.4; 03-JAN-2010 12:28:38; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;41016  
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16; 5375.6; 03-JAN-2010 12:36:32; Dark ; 44.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 88; 0;41016  
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23; 6685.7; 03-JAN-2010 12:58:22; Dark ; 39.5; 71; Iot Car ; 2.25; 7700;occ; 79; 0;41016  
24; 6799.8; 03-JAN-2010 13:00:16; Dark ; 43.5; 46; Del Vel ; 1.95; 10600;occ; 87; 0;41016  
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26; 7101.6; 03-JAN-2010 13:05:18; Dark ; 42.5; 70; Zet Pup ; 2.25; 39000;occ; 85; 0;41016  
27; 7221.2; 03-JAN-2010 13:07:17; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;41016  
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3; 2218.1; 03-JAN-2010 13:24:30; Dark ; 50.0; 44; 24Gam Gem ; 1.93; 11000;occ; 100; 0;41017  
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5; 2558.8; 03-JAN-2010 13:30:11; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;41017  
6; 2692.4; 03-JAN-2010 13:32:24; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;41017  
7; 3687.2; 03-JAN-2010 13:48:59; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;41017  
8; 3896.2; 03-JAN-2010 13:52:28; Bright; 44.0; 32; 77Eps UMA ; 1.76; 11000;occ; 88; 0;41017  
9; 3959.1; 03-JAN-2010 13:53:31; Bright; 67.0; 55; 79Zet UMA ; 2.06; 10200;occ; 134; 0;41017  
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11; 4354.3; 03-JAN-2010 14:00:06; Bright; 43.0; 180; 27Gam Boo ; 3.04; 8000;occ; 86; 0;41017  
12; 4582.3; 03-JAN-2010 14:03:54; Bright; 64.0; 83; ; 2.38; 11000;occ; 128; 0;41017  
13; 4787.2; 03-JAN-2010 14:07:19; Bright; 52.0; 3; 16Alp Boo ;-0.05; 4250;occ; 104; 0;41017  
14; 4902.2; 03-JAN-2010 14:09:14; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;41017  
15; 5211.8; 03-JAN-2010 14:14:24; Bright; 57.0; 104; 27Bet Lib ; 2.61; 13100;occ; 114; 0;41017



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 22; 6544.9; 03-JAN-2010 14:36:37; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;41017  
 23; 6686.1; 03-JAN-2010 14:38:58; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;41017  
 24; 6800.6; 03-JAN-2010 14:40:53; Dark ; 46.0; 46; Del Vel ; 1.95; 10600;occ; 92; 0;41017  
 25; 6970.8; 03-JAN-2010 14:43:43; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;41017  
 26; 7102.1; 03-JAN-2010 14:45:54; Dark ; 44.0; 70; Zet Pup ; 2.25; 39000;occ; 88; 0;41017  
 27; 7221.5; 03-JAN-2010 14:47:54; Dark ; 49.0; 117; Pi Pup ; 2.71; 3800;occ; 98; 0;41017  
 28; 7386.4; 03-JAN-2010 14:50:38; Dark ; 44.5; 23; 21Eps CMA ; 1.50; 26000;occ; 89; 0;41017

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 6; 2316.8; 03-JAN-2010 15:06:45; Bright; 44.5; 151; 13Mu Gem ; 2.89; 3000;occ; 89; 0;41018  
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 23; 6281.2; 03-JAN-2010 16:12:49; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41018  
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 12; 3958.8; 03-JAN-2010 17:14:43; Bright; 48.0; 55; 79Zet UMA ; 2.06; 10200;occ; 96; 0;41019  
 13; 4100.8; 03-JAN-2010 17:17:05; Bright; 47.5; 39; 85Eta UMA ; 1.85; 24000;occ; 95; 0;41019  
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 10; -233.8; 04-JAN-2010 07:10:14; Dark ; 46.5; 54; 5The Cen ; 2.06; 4500;occ; 93; 0;41027  
 11; 145.3; 04-JAN-2010 07:16:33; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;41028  
 12; 253.6; 04-JAN-2010 07:18:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41028  
 13; 517.9; 04-JAN-2010 07:22:45; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;41028  
 14; 655.5; 04-JAN-2010 07:25:03; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;41028  
 15; 769.9; 04-JAN-2010 07:26:57; Dark ; 40.5; 46; Del Vel ; 1.95; 10600;occ; 81; 0;41028  
 16; 939.9; 04-JAN-2010 07:29:47; Dark ; 41.5; 34; Gam2Vel ; 1.79; 23000;occ; 83; 0;41028  
 17; 1071.1; 04-JAN-2010 07:31:58; Dark ; 45.0; 70; Zet Pup ; 2.25; 39000;occ; 90; 0;41028  
 18; 1189.1; 04-JAN-2010 07:33:56; Dark ; 45.0; 117; Pi Pup ; 2.71; 3800;occ; 90; 0;41028  
 19; 1353.2; 04-JAN-2010 07:36:41; Dark ; 45.0; 23; 21Eps CMa ; 1.50; 26000;occ; 90; 0;41028  
 20; 1443.7; 04-JAN-2010 07:38:11; Dark ; 45.0; 179; 24Omi2CMA ; 3.03; 24000;occ; 90; 0;41028  
 21; 1587.4; 04-JAN-2010 07:40:35; Dark ; 48.0; 1; 9Alp CMa ; -1.44; 11000;occ; 96; 0;41028

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1; 1634.9; 04-JAN-2010 07:41:22; Dark ; 48.5; 1; 9Alp CMa ; -1.44; 11000;occ; 97; 95;41028  
 2; 2031.1; 04-JAN-2010 07:47:58; Dark ; 49.5; 14; 58Alp Ori ; 0.87; 3000;occ; 99; 0;41028  
 3; 2215.0; 04-JAN-2010 07:51:02; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;41028  
 4; 2314.4; 04-JAN-2010 07:52:42; Bright; 52.0; 151; 13Mu Gem ; 2.89; 3000;occ; 104; 0;41028  
 5; 2556.5; 04-JAN-2010 07:56:44; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;41028  
 6; 2690.1; 04-JAN-2010 07:58:57; Bright; 39.0; 42; 34Bet Aur ; 1.90; 10200;occ; 78; 0;41028  
 7; 3686.0; 04-JAN-2010 08:15:33; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;41028  
 8; 3955.7; 04-JAN-2010 08:20:03; Bright; 44.5; 55; 79Zet UMa ; 2.06; 10200;occ; 89; 0;41028  
 9; 4098.5; 04-JAN-2010 08:22:26; Bright; 68.0; 39; 85Eta UMa ; 1.85; 24000;occ; 136; 0;41028  
 10; 4354.6; 04-JAN-2010 08:26:42; Bright; 44.0; 180; 27Gam Boo ; 3.04; 8000;occ; 88; 0;41028  
 11; 4584.5; 04-JAN-2010 08:30:32; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;41028  
 12; 4905.6; 04-JAN-2010 08:35:53; Bright; 36.0; 102; 24Alp Ser ; 2.60; 4250;occ; 72; 0;41028  
 13; 5217.3; 04-JAN-2010 08:41:05; Bright; 57.0; 104; 27Bet Lib ; 2.61; 13100;occ; 114; 0;41028  
 14; 5383.7; 04-JAN-2010 08:43:51; Dark ; 46.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 93; 0;41028  
 15; 5802.8; 04-JAN-2010 08:50:50; Dark ; 48.0; 54; 5The Cen ; 2.06; 4500;occ; 96; 0;41028  
 16; 5963.0; 04-JAN-2010 08:53:30; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;41028  
 17; 6065.2; 04-JAN-2010 08:55:13; Dark ; 39.5; 77; Eps Cen ; 2.30; 28000;occ; 79; 0;41028  
 18; 6182.1; 04-JAN-2010 08:57:10; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;41028  
 19; 6290.5; 04-JAN-2010 08:58:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41028  
 20; 6554.6; 04-JAN-2010 09:03:22; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;41028  
 21; 6691.8; 04-JAN-2010 09:05:39; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;41028  
 22; 6806.2; 04-JAN-2010 09:07:34; Dark ; 40.5; 46; Del Vel ; 1.95; 10600;occ; 81; 0;41028  
 23; 6975.9; 04-JAN-2010 09:10:23; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;41028  
 24; 7107.2; 04-JAN-2010 09:12:35; Dark ; 46.5; 70; Zet Pup ; 2.25; 39000;occ; 93; 0;41028  
 25; 7225.4; 04-JAN-2010 09:14:33; Dark ; 46.0; 117; Pi Pup ; 2.71; 3800;occ; 92; 0;41028  
 26; 7389.3; 04-JAN-2010 09:17:17; Dark ; 46.0; 23; 21Eps CMa ; 1.50; 26000;occ; 92; 0;41028  
 27; 7479.7; 04-JAN-2010 09:18:47; Dark ; 43.5; 179; 24Omi2CMA ; 3.03; 24000;occ; 87; 0;41028  
 28; 7623.2; 04-JAN-2010 09:21:11; Dark ; 49.5; 1; 9Alp CMa ; -1.44; 11000;occ; 99; 0;41028

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 2; 2031.1; 04-JAN-2010 09:28:34; Dark ; 50.0; 14; 58Alp Ori ; 0.87; 3000;occ; 100; 0;41029  
 3; 2214.7; 04-JAN-2010 09:31:38; Dark ; 44.0; 44; 24Gam Gem ; 1.93; 11000;occ; 88; 0;41029  
 4; 2314.1; 04-JAN-2010 09:33:17; Bright; 58.0; 151; 13Mu Gem ; 2.89; 3000;occ; 116; 0;41029

5; 2556.5; 04-JAN-2010 09:37:20; Bright; 39.0; 107; 37The Aur ; 2.65; 11000;occ; 78; 0;41029  
6; 2689.8; 04-JAN-2010 09:39:33; Bright; 38.0; 42; 34Bet Aur ; 1.90; 10200;occ; 76; 0;41029  
7; 3686.2; 04-JAN-2010 09:56:09; Bright; 43.0; 60; 7Bet UMi ; 2.08; 3950;occ; 86; 0;41029  
8; 3955.0; 04-JAN-2010 10:00:38; Bright; 49.5; 55; 79Zet UMa ; 2.06; 10200;occ; 99; 0;41029  
9; 4098.3; 04-JAN-2010 10:03:02; Bright; 48.0; 39; 85Eta UMa ; 1.85; 24000;occ; 96; 0;41029  
10; 4354.4; 04-JAN-2010 10:07:18; Bright; 44.5; 180; 27Gam Boo ; 3.04; 8000;occ; 89; 0;41029  
11; 4585.1; 04-JAN-2010 10:11:08; Bright; 43.5; 83; ; 2.38; 11000;occ; 87; 0;41029  
12; 4905.7; 04-JAN-2010 10:16:29; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;41029  
13; 5218.0; 04-JAN-2010 10:21:41; Bright; 51.0; 104; 27Bet Lib ; 2.61; 13100;occ; 102; 0;41029  
14; 5384.3; 04-JAN-2010 10:24:28; Dark ; 46.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 92; 0;41029  
15; 5803.6; 04-JAN-2010 10:31:27; Dark ; 53.0; 54; 5The Cen ; 2.06; 4500;occ; 106; 0;41029  
16; 5963.6; 04-JAN-2010 10:34:07; Dark ; 45.5; 95; Zet Cen ; 2.55; 26000;occ; 91; 0;41029  
17; 6065.8; 04-JAN-2010 10:35:49; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;41029  
18; 6182.9; 04-JAN-2010 10:37:46; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;41029  
19; 6291.4; 04-JAN-2010 10:39:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41029  
20; 6555.2; 04-JAN-2010 10:43:59; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;41029  
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  
24; 7107.7; 04-JAN-2010 10:53:11; Dark ; 47.5; 70; Zet Pup ; 2.25; 39000;occ; 95; 0;41029  
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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1; 1587.4; 04-JAN-2010 11:01:47; Dark ; 48.5; 1; 9Alp CMa ; -1.44; 11000;occ; 97; 0;41030  
2; 2031.1; 04-JAN-2010 11:09:10; Dark ; 49.5; 14; 58Alp Ori ; 0.87; 3000;occ; 99; 0;41030  
3; 2214.6; 04-JAN-2010 11:12:14; Dark ; 45.0; 44; 24Gam Gem ; 1.93; 11000;occ; 90; 0;41030  
4; 2313.9; 04-JAN-2010 11:13:53; Bright; 45.5; 151; 13Mu Gem ; 2.89; 3000;occ; 91; 0;41030  
5; 2556.2; 04-JAN-2010 11:17:55; Bright; 37.0; 107; 37The Aur ; 2.65; 11000;occ; 74; 0;41030  
6; 2689.8; 04-JAN-2010 11:20:09; Bright; 55.0; 42; 34Bet Aur ; 1.90; 10200;occ; 110; 0;41030  
7; 3685.8; 04-JAN-2010 11:36:45; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;41030  
8; 3955.1; 04-JAN-2010 11:41:14; Bright; 44.5; 55; 79Zet UMa ; 2.06; 10200;occ; 89; 0;41030  
9; 4354.6; 04-JAN-2010 11:47:54; Bright; 64.0; 180; 27Gam Boo ; 3.04; 8000;occ; 128; 0;41030  
10; 4585.2; 04-JAN-2010 11:51:44; Bright; 44.0; 83; ; 2.38; 11000;occ; 88; 0;41030  
11; 4906.1; 04-JAN-2010 11:57:05; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;41030  
12; 5218.5; 04-JAN-2010 12:02:18; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;41030  
13; 5385.0; 04-JAN-2010 12:05:04; Dark ; 44.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 88; 0;41030  
14; 5804.2; 04-JAN-2010 12:12:03; Dark ; 44.0; 54; 5The Cen ; 2.06; 4500;occ; 88; 0;41030  
15; 5964.4; 04-JAN-2010 12:14:44; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;41030  
16; 6066.3; 04-JAN-2010 12:16:25; Dark ; 43.5; 77; Eps Cen ; 2.30; 28000;occ; 87; 0;41030  
17; 6183.8; 04-JAN-2010 12:18:23; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;41030  
18; 6292.3; 04-JAN-2010 12:20:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41030  
19; 6556.3; 04-JAN-2010 12:24:35; Dark ; 49.5; 113; Mu Vel ; 2.69; 5000;occ; 99; 0;41030  
20; 6692.9; 04-JAN-2010 12:26:52; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;41030  
21; 6807.3; 04-JAN-2010 12:28:47; Dark ; 40.5; 46; Del Vel ; 1.95; 10600;occ; 81; 0;41030  
22; 6977.2; 04-JAN-2010 12:31:36; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;41030  
23; 7108.3; 04-JAN-2010 12:33:48; Dark ; 46.5; 70; Zet Pup ; 2.25; 39000;occ; 93; 0;41030  
24; 7225.8; 04-JAN-2010 12:35:45; Dark ; 46.5; 117; Pi Pup ; 2.71; 3800;occ; 93; 0;41030  
25; 7389.9; 04-JAN-2010 12:38:29; Dark ; 45.0; 23; 21Eps CMa ; 1.50; 26000;occ; 90; 0;41030  
26; 7480.1; 04-JAN-2010 12:39:59; Dark ; 43.0; 179; 240mi2CMa ; 3.03; 24000;occ; 86; 0;41030

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1; 1587.7; 04-JAN-2010 12:42:23; Dark ; 52.0; 1; 9Alp CMa ; -1.44; 11000;occ; 104; 0;41031  
2; 2031.0; 04-JAN-2010 12:49:46; Dark ; 47.5; 14; 58Alp Ori ; 0.87; 3000;occ; 95; 0;41031  
3; 2214.3; 04-JAN-2010 12:52:49; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;41031  
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  
10; 4585.4; 04-JAN-2010 13:32:20; Bright; 44.5; 83; ; 2.38; 11000;occ; 89; 0;41031  
11; 4906.7; 04-JAN-2010 13:37:42; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;41031  
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  
14; 5805.2; 04-JAN-2010 13:52:40; Dark ; 56.0; 54; 5The Cen ; 2.06; 4500;occ; 112; 0;41031  
15; 5965.1; 04-JAN-2010 13:55:20; Dark ; 40.0; 95; Zet Cen ; 2.55; 26000;occ; 80; 0;41031  
16; 6066.9; 04-JAN-2010 13:57:02; Dark ; 38.5; 77; Eps Cen ; 2.30; 28000;occ; 77; 0;41031

17; 6184.6; 04-JAN-2010 13:59:00; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;41031  
 18; 6293.3; 04-JAN-2010 14:00:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41031  
 19; 6557.2; 04-JAN-2010 14:05:12; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;41031  
 20; 6693.5; 04-JAN-2010 14:07:29; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;41031  
 21; 6807.8; 04-JAN-2010 14:09:23; Dark ; 39.0; 46; Del Vel ; 1.95; 10600;occ; 78; 0;41031  
 22; 6977.7; 04-JAN-2010 14:12:13; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;41031  
 23; 7108.7; 04-JAN-2010 14:14:24; Dark ; 46.5; 70; Zet Pup ; 2.25; 39000;occ; 93; 0;41031  
 24; 7226.6; 04-JAN-2010 14:16:22; Dark ; 46.5; 117; Pi Pup ; 2.71; 3800;occ; 93; 0;41031  
 25; 7390.2; 04-JAN-2010 14:19:05; Dark ; 44.5; 23; 21Eps CMa ; 1.50; 26000;occ; 89; 0;41031  
 26; 7480.6; 04-JAN-2010 14:20:36; Dark ; 41.0; 179; 240mi2CMa ; 3.03; 24000;occ; 82; 0;41031

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 2; 1588.0; 04-JAN-2010 14:22:59; Dark ; 50.5; 1; 9Alp CMa ; -1.44; 11000;occ; 101; 0;41032  
 3; 2031.2; 04-JAN-2010 14:30:22; Dark ; 51.0; 14; 58Alp Ori ; 0.87; 3000;occ; 102; 0;41032  
 4; 2214.0; 04-JAN-2010 14:33:25; Dark ; 49.5; 44; 24Gam Gem ; 1.93; 11000;occ; 99; 0;41032  
 5; 2313.6; 04-JAN-2010 14:35:05; Bright; 46.0; 151; 13Mu Gem ; 2.89; 3000;occ; 92; 0;41032  
 6; 2555.9; 04-JAN-2010 14:39:07; Bright; 55.0; 107; 37The Aur ; 2.65; 11000;occ; 110; 0;41032  
 7; 2689.5; 04-JAN-2010 14:41:20; Bright; 39.5; 42; 34Bet Aur ; 1.90; 10200;occ; 79; 0;41032  
 8; 3685.6; 04-JAN-2010 14:57:57; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;41032  
 9; 3954.3; 04-JAN-2010 15:02:25; Bright; 49.0; 55; 79Zet UMa ; 2.06; 10200;occ; 98; 0;41032  
 10; 4354.6; 04-JAN-2010 15:09:06; Bright; 65.0; 180; 27Gam Boo ; 3.04; 8000;occ; 130; 0;41032  
 11; 4585.6; 04-JAN-2010 15:12:57; Bright; 43.5; 83; ; 2.38; 11000;occ; 87; 0;41032  
 12; 4907.0; 04-JAN-2010 15:18:18; Bright; 36.5; 102; 24Alp Ser ; 2.60; 4250;occ; 73; 0;41032  
 13; 5219.5; 04-JAN-2010 15:23:30; Bright; 39.5; 104; 27Bet Lib ; 2.61; 13100;occ; 79; 0;41032  
 14; 5386.6; 04-JAN-2010 15:26:18; Dark ; 44.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 88; 0;41032  
 15; 5806.1; 04-JAN-2010 15:33:17; Dark ; 49.0; 54; 5The Cen ; 2.06; 4500;occ; 98; 0;41032  
 16; 5965.9; 04-JAN-2010 15:35:57; Dark ; 40.5; 95; Zet Cen ; 2.55; 26000;occ; 81; 0;41032  
 17; 6067.7; 04-JAN-2010 15:37:39; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;41032  
 18; 6185.4; 04-JAN-2010 15:39:36; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;41032  
 19; 6294.3; 04-JAN-2010 15:41:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41032  
 20; 6558.1; 04-JAN-2010 15:45:49; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;41032  
 21; 6694.1; 04-JAN-2010 15:48:05; Dark ; 44.5; 71; Iot Car ; 2.25; 7700;occ; 89; 0;41032  
 22; 6808.3; 04-JAN-2010 15:49:59; Dark ; 42.5; 46; Del Vel ; 1.95; 10600;occ; 85; 0;41032  
 23; 6978.2; 04-JAN-2010 15:52:49; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;41032  
 24; 7109.3; 04-JAN-2010 15:55:00; Dark ; 46.0; 70; Zet Pup ; 2.25; 39000;occ; 92; 0;41032  
 25; 7226.6; 04-JAN-2010 15:56:58; Dark ; 46.0; 117; Pi Pup ; 2.71; 3800;occ; 92; 0;41032

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1; 1354.4; 04-JAN-2010 15:59:41; Dark ; 45.5; 23; 21Eps CMa ; 1.50; 26000;occ; 91; 0;41033  
 2; 1444.7; 04-JAN-2010 16:01:12; Dark ; 43.5; 179; 240mi2CMa ; 3.03; 24000;occ; 87; 0;41033  
 3; 1588.1; 04-JAN-2010 16:03:35; Dark ; 49.5; 1; 9Alp CMa ; -1.44; 11000;occ; 99; 0;41033  
 4; 2031.1; 04-JAN-2010 16:10:58; Dark ; 51.5; 14; 58Alp Ori ; 0.87; 3000;occ; 103; 0;41033  
 5; 2213.7; 04-JAN-2010 16:14:01; Dark ; 49.5; 44; 24Gam Gem ; 1.93; 11000;occ; 99; 0;41033  
 6; 2313.1; 04-JAN-2010 16:15:40; Bright; 47.0; 151; 13Mu Gem ; 2.89; 3000;occ; 94; 0;41033  
 7; 2555.6; 04-JAN-2010 16:19:43; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;41033  
 8; 2689.2; 04-JAN-2010 16:21:56; Bright; 38.0; 42; 34Bet Aur ; 1.90; 10200;occ; 76; 0;41033  
 9; 3685.3; 04-JAN-2010 16:38:32; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;41033  
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 5; 275.2; 05-JAN-2010 21:52:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41051
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 7; 667.1; 05-JAN-2010 21:59:01; Dark ; 46.5; 71; Iot Car ; 2.25; 7700;occ; 93; 0;41051
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 22; 2208.4; 06-JAN-2010 03:26:30; Dark ; 47.0; 44; 24Gam Gem ; 1.93; 11000;occ; 94; 0;41054  
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 24; 2551.8; 06-JAN-2010 03:32:13; Bright; 37.0; 107; 37The Aur ; 2.65; 11000;occ; 74; 0;41054  
 25; 2684.9; 06-JAN-2010 03:34:26; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;41054

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 13; 279.0; 06-JAN-2010 04:34:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41055  
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 27; 2685.1; 06-JAN-2010 05:15:02; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;41055  
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6; 214.5; 06-JAN-2010 23:00:27; Dark ; 40.0; 20; Bet Cru ; 1.25; 30000;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
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 27; 4918.8; 07-JAN-2010 00:18:51; Bright; 36.0; 102; 24Alp Ser ; 2.60; 4250;occ; 72; 0;41066  
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 15; 670.4; 06-JAN-2010 08:02:40; Dark ; 48.5; 71; Iot Car ; 2.25; 7700;occ; 97; 0;41057  
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 21; 1449.8; 06-JAN-2010 08:15:39; Dark ; 42.5; 179; 240mi2CMa ; 3.03; 24000;occ; 85; 0;41057  
 22; 1591.2; 06-JAN-2010 08:18:01; Dark ; 47.0; 1; 9Alp CMa ; -1.44; 11000;occ; 94; 0;41057

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 6; 2684.4; 06-JAN-2010 08:36:14; Bright; 37.5; 42; 34Bet Aur ; 1.90; 10200;occ; 75; 0;41057  
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 19; 6317.7; 06-JAN-2010 09:36:47; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41057  
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 26; 7396.5; 06-JAN-2010 09:54:46; Dark ; 44.5; 23; 21Eps CMa ; 1.50; 26000;occ; 89; 0;41057  
 27; 7485.9; 06-JAN-2010 09:56:15; Dark ; 42.5; 179; 240mi2CMa ; 3.03; 24000;occ; 85; 0;41057  
 28; 7627.0; 06-JAN-2010 09:58:36; Dark ; 49.0; 1; 9Alp CMa ; -1.44; 11000;occ; 98; 0;41057

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4; 2307.8; 06-JAN-2010 10:10:33; Bright; 42.5; 151; 13Mu Gem ; 2.89; 3000;occ; 85; 0;41058  
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6; 2684.3; 06-JAN-2010 10:16:50; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;41058  
7; 3682.5; 06-JAN-2010 10:33:28; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;41058  
8; 3924.4; 06-JAN-2010 10:37:30; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;41058  
9; 4091.0; 06-JAN-2010 10:40:16; Bright; 44.0; 39; 85Eta UMa ; 1.85; 24000;occ; 88; 0;41058  
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11; 4591.7; 06-JAN-2010 10:48:37; Bright; 64.0; 83; ; 2.38; 11000;occ; 128; 0;41058  
12; 4916.1; 06-JAN-2010 10:54:01; Bright; 56.0; 102; 24Alp Ser ; 2.60; 4250;occ; 112; 0;41058  
13; 5233.3; 06-JAN-2010 10:59:19; Dark ; 46.5; 104; 27Bet Lib ; 2.61; 13100;occ; 93; 0;41058  
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21; 6707.2; 06-JAN-2010 11:23:52; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;41058  
22; 6821.3; 06-JAN-2010 11:25:47; Dark ; 43.0; 46; Del Vel ; 1.95; 10600;occ; 86; 0;41058  
23; 6990.2; 06-JAN-2010 11:28:35; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;41058  
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25; 7235.1; 06-JAN-2010 11:32:40; Dark ; 44.0; 117; Pi Pup ; 2.71; 3800;occ; 88; 0;41058  
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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6; 2551.0; 06-JAN-2010 11:55:12; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;41059  
7; 2684.2; 06-JAN-2010 11:57:25; Bright; 39.5; 42; 34Bet Aur ; 1.90; 10200;occ; 79; 0;41059  
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11; 4354.6; 06-JAN-2010 12:25:16; Bright; 44.0; 180; 27Gam Boo ; 3.04; 8000;occ; 88; 0;41059  
12; 4592.0; 06-JAN-2010 12:29:13; Bright; 51.0; 83; ; 2.38; 11000;occ; 102; 0;41059  
13; 4916.4; 06-JAN-2010 12:34:38; Bright; 56.0; 102; 24Alp Ser ; 2.60; 4250;occ; 112; 0;41059  
14; 5233.9; 06-JAN-2010 12:39:55; Dark ; 45.0; 104; 27Bet Lib ; 2.61; 13100;occ; 90; 0;41059  
15; 5405.2; 06-JAN-2010 12:42:46; Dark ; 47.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 94; 0;41059  
16; 5827.8; 06-JAN-2010 12:49:49; Dark ; 47.5; 54; 5The Cen ; 2.06; 4500;occ; 95; 0;41059  
17; 5983.8; 06-JAN-2010 12:52:25; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;41059  
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22; 6707.7; 06-JAN-2010 13:04:29; Dark ; 44.5; 71; Iot Car ; 2.25; 7700;occ; 89; 0;41059  
23; 6821.8; 06-JAN-2010 13:06:23; Dark ; 42.5; 46; Del Vel ; 1.95; 10600;occ; 85; 0;41059  
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27; 7397.0; 06-JAN-2010 13:15:58; Dark ; 44.5; 23; 21Eps CMa ; 1.50; 26000;occ; 89; 0;41059  
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13;	1594.0;	07-JAN-2010	22:51:50;	Dark	;	46.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	92;	0;	41080
14;	2031.1;	07-JAN-2010	22:59:07;	Dark	;	53.0;	14;	58Alp Ori	;	0.87;	3000;occ;	106;	0;	41080
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
27;	5245.9;	07-JAN-2010	23:52:42;	Dark	;	46.5;	104;	27Bet Lib	;	2.61;	13100;occ;	93;	0;	41080

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3;	-37.2;	08-JAN-2010	00:05:14;	Dark	;	41.0;	95;	Zet Cen	;	2.55;	26000;occ;	82;	0;	41080
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
3;	2305.2;	07-JAN-2010	07:58:18;	Bright;		45.5;	151;	13Mu Gem	;	2.89;	3000;occ;	91;	0;	41071
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
9;	4355.1;	07-JAN-2010	08:32:27;	Bright;		43.5;	180;	27Gam Boo	;	3.04;	8000;occ;	87;	0;	41071
10;	4594.8;	07-JAN-2010	08:36:27;	Bright;		67.0;	83;		;	2.38;	11000;occ;	134;	0;	41071
11;	4920.7;	07-JAN-2010	08:41:53;	Bright;		56.0;	102;	24Alp Ser	;	2.60;	4250;occ;	112;	0;	41071
12;	5241.0;	07-JAN-2010	08:47:13;	Dark	;	31.5;	104;	27Bet Lib	;	2.61;	13100;occ;	63;	0;	41071
13;	5413.9;	07-JAN-2010	08:50:06;	Dark	;	46.0;	122;	9Alp2Lib	;	2.75;	9700;occ;	92;	0;	41071
14;	5838.0;	07-JAN-2010	08:57:10;	Dark	;	49.5;	54;	5The Cen	;	2.06;	4500;occ;	99;	0;	41071

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 18; 6330.9; 07-JAN-2010 09:05:23; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41071  
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 20; 6713.8; 07-JAN-2010 09:11:46; Dark ; 47.5; 71; Iot Car ; 2.25; 7700;occ; 95; 0;41071  
 21; 6827.7; 07-JAN-2010 09:13:40; Dark ; 41.0; 46; Del Vel ; 1.95; 10600;occ; 82; 0;41071  
 22; 6995.8; 07-JAN-2010 09:16:28; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;41071  
 23; 7126.9; 07-JAN-2010 09:18:39; Dark ; 44.5; 70; Zet Pup ; 2.25; 39000;occ; 89; 0;41071  
 24; 7239.3; 07-JAN-2010 09:20:32; Dark ; 46.5; 117; Pi Pup ; 2.71; 3800;occ; 93; 0;41071  
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 26; 7488.7; 07-JAN-2010 09:24:41; Dark ; 41.5; 179; 240mi2CMA ; 3.03; 24000;occ; 83; 0;41071  
 27; 7629.0; 07-JAN-2010 09:27:01; Dark ; 47.5; 1; 9Alp CMA ; -1.44; 11000;occ; 95; 0;41071

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 3; 2305.1; 07-JAN-2010 09:38:53; Bright; 56.0; 151; 13Mu Gem ; 2.89; 3000;occ; 112; 0;41072  
 4; 2549.4; 07-JAN-2010 09:42:58; Bright; 36.5; 107; 37The Aur ; 2.65; 11000;occ; 73; 0;41072  
 5; 2682.1; 07-JAN-2010 09:45:10; Bright; 39.0; 42; 34Bet Aur ; 1.90; 10200;occ; 78; 0;41072  
 6; 3680.7; 07-JAN-2010 10:01:49; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;41072  
 7; 3924.5; 07-JAN-2010 10:05:53; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;41072  
 8; 4087.0; 07-JAN-2010 10:08:35; Bright; 50.0; 39; 85Eta UMa ; 1.85; 24000;occ; 100; 0;41072  
 9; 4354.8; 07-JAN-2010 10:13:03; Bright; 46.5; 180; 27Gam Boo ; 3.04; 8000;occ; 93; 0;41072  
 10; 4595.1; 07-JAN-2010 10:17:03; Bright; 55.5; 83; ; 2.38; 11000;occ; 111; 0;41072  
 11; 4921.1; 07-JAN-2010 10:22:29; Bright; 56.0; 102; 24Alp Ser ; 2.60; 4250;occ; 112; 0;41072  
 12; 5241.3; 07-JAN-2010 10:27:50; Dark ; 45.0; 104; 27Bet Lib ; 2.61; 13100;occ; 90; 0;41072  
 13; 5415.0; 07-JAN-2010 10:30:43; Dark ; 46.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 92; 0;41072  
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 15; 5993.2; 07-JAN-2010 10:40:21; Dark ; 42.0; 95; Zet Cen ; 2.55; 26000;occ; 84; 0;41072  
 16; 6092.3; 07-JAN-2010 10:42:01; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;41072  
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 23; 7127.3; 07-JAN-2010 10:59:16; Dark ; 42.0; 70; Zet Pup ; 2.25; 39000;occ; 84; 0;41072  
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 26; 7488.9; 07-JAN-2010 11:05:17; Dark ; 42.0; 179; 240mi2CMA ; 3.03; 24000;occ; 84; 0;41072  
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 7; 3680.4; 07-JAN-2010 11:42:25; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;41073  
 8; 3924.6; 07-JAN-2010 11:46:29; Bright; 33.0; 119; 14Eta Dra ; 2.73; 4700;occ; 66; 0;41073  
 9; 4086.8; 07-JAN-2010 11:49:11; Bright; 50.0; 39; 85Eta UMa ; 1.85; 24000;occ; 100; 0;41073  
 10; 4355.1; 07-JAN-2010 11:53:39; Bright; 67.0; 180; 27Gam Boo ; 3.04; 8000;occ; 134; 0;41073  
 11; 4595.4; 07-JAN-2010 11:57:40; Bright; 67.0; 83; ; 2.38; 11000;occ; 134; 0;41073  
 12; 4921.4; 07-JAN-2010 12:03:06; Bright; 56.0; 102; 24Alp Ser ; 2.60; 4250;occ; 112; 0;41073  
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 14; 5415.4; 07-JAN-2010 12:11:20; Dark ; 46.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 93; 0;41073  
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 19; 6332.7; 07-JAN-2010 12:26:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41073  
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 21; 6714.8; 07-JAN-2010 12:32:59; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;41073  
 22; 6828.6; 07-JAN-2010 12:34:53; Dark ; 41.5; 46; Del Vel ; 1.95; 10600;occ; 83; 0;41073  
 23; 6996.8; 07-JAN-2010 12:37:41; Dark ; 44.0; 34; Gam2Vel ; 1.79; 23000;occ; 88; 0;41073  
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 25; 7239.9; 07-JAN-2010 12:41:44; Dark ; 45.5; 117; Pi Pup ; 2.71; 3800;occ; 91; 0;41073  
 26; 7400.3; 07-JAN-2010 12:44:24; Dark ; 44.5; 23; 21Eps CMA ; 1.50; 26000;occ; 89; 0;41073



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4; 2304.8; 07-JAN-2010 13:00:05; Bright; 45.0; 151; 13Mu Gem ; 2.89; 3000;occ; 90; 0;41074
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7; 3680.4; 07-JAN-2010 13:23:00; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;41074
8; 3924.7; 07-JAN-2010 13:27:05; Bright; 33.0; 119; 14Eta Dra ; 2.73; 4700;occ; 66; 0;41074
9; 4086.4; 07-JAN-2010 13:29:46; Bright; 45.0; 39; 85Eta UMa ; 1.85; 24000;occ; 90; 0;41074
10; 4355.1; 07-JAN-2010 13:34:15; Bright; 67.0; 180; 27Gam Boo ; 3.04; 8000;occ; 134; 0;41074
11; 4595.4; 07-JAN-2010 13:38:15; Bright; 49.0; 83; ; 2.38; 11000;occ; 98; 0;41074
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13; 5242.7; 07-JAN-2010 13:49:03; Dark ; 47.0; 104; 27Bet Lib ; 2.61; 13100;occ; 94; 0;41074
14; 5416.2; 07-JAN-2010 13:51:56; Dark ; 47.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 94; 0;41074
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16; 5994.4; 07-JAN-2010 14:01:34; Dark ; 41.5; 95; Zet Cen ; 2.55; 26000;occ; 83; 0;41074
17; 6093.7; 07-JAN-2010 14:03:14; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;41074
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19; 6333.7; 07-JAN-2010 14:07:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41074
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 21; 6306.5; 13-JAN-2010 10:57:05; Dark ; 44.0; 20; Bet Cru ; 1.25; 30000;occ; 88; 0;41158  
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 28; 2541.0; 14-JAN-2010 04:20:54; Bright; 36.5; 107; 37The Aur ; 2.65; 11000;occ; 73; 0;41169  
 29; 2672.6; 14-JAN-2010 04:23:06; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;41169  
 30; 3424.8; 14-JAN-2010 04:35:38; Bright; 40.5; 49; 1Alp UMi ; 1.99; 6300;occ; 81; 0;41169  
 31; 3666.2; 14-JAN-2010 04:39:39; Bright; 6.0; 60; 7Bet UMi ; 2.08; 3950;occ; 12; 0;41169

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1;-2369.8; 14-JAN-2010 04:39:39; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;41169  
 2;-2112.7; 14-JAN-2010 04:43:56; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;41169  
 3;-1584.8; 14-JAN-2010 04:52:44; Bright; 54.0; 133; 40Zet Her ; 2.81; 6000;occ; 108; 0;41169  
 4;-1452.7; 14-JAN-2010 04:54:56; Bright; 62.0; 67; 5Alp CrB ; 2.22; 11000;occ; 124; 0;41169  
 5;-1074.2; 14-JAN-2010 05:01:15; Bright; 61.0; 102; 24Alp Ser ; 2.60; 4250;occ; 122; 0;41169  
 6; -945.7; 14-JAN-2010 05:03:23; Bright; 55.0; 120; 1Del Oph ; 2.73; 3200;occ; 110; 0;41169  
 7; -862.3; 14-JAN-2010 05:04:47; Bright; 35.0; 98; 13Zet Oph ; 2.57; 30000;occ; 70; 0;41169  
 8; -730.8; 14-JAN-2010 05:06:58; Dark ; 47.0; 104; 27Bet Lib ; 2.61; 13100;occ; 94; 0;41169  
 9; -611.3; 14-JAN-2010 05:08:58; Dark ; 41.5; 80; 7Del Sco ; 2.32; 30000;occ; 83; 0;41169  
 10; -283.0; 14-JAN-2010 05:14:26; Dark ; 40.0; 131; Gam Lup ; 2.80; 26000;occ; 80; 0;41169  
 11; -180.2; 14-JAN-2010 05:16:09; Dark ; 41.5; 109; Bet Lup ; 2.68; 26000;occ; 83; 0;41169  
 12; -89.5; 14-JAN-2010 05:17:40; Dark ; 39.5; 78; Alp Lup ; 2.30; 28000;occ; 79; 0;41169  
 13; 29.7; 14-JAN-2010 05:19:39; Dark ; 43.0; 95; Zet Cen ; 2.55; 26000;occ; 86; 0;41170  
 14; 125.2; 14-JAN-2010 05:21:14; Dark ; 49.0; 10; Bet Cen ; 0.61; 28000;occ; 98; 0;41170  
 15; 277.4; 14-JAN-2010 05:23:47; Dark ; 41.0; 20; Bet Cru ; 1.25; 30000;occ; 82; 0;41170  
 16; 387.2; 14-JAN-2010 05:25:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41170  
 17; 526.5; 14-JAN-2010 05:27:56; Dark ; 42.0; 124; The Car ; 2.76; 30000;occ; 84; 0;41170  
 18; 613.4; 14-JAN-2010 05:29:23; Dark ; 39.0; 159; Ups Car ; 2.92; 7200;occ; 78; 0;41170  
 19; 724.6; 14-JAN-2010 05:31:14; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;41170  
 20; 801.1; 14-JAN-2010 05:32:30; Dark ; 50.5; 41; Eps Car ; 1.86; 4100;occ; 101; 0;41170  
 21; 1000.9; 14-JAN-2010 05:35:50; Dark ; 40.0; 34; Gam2Vel ; 1.79; 23000;occ; 80; 0;41170  
 22; 1129.7; 14-JAN-2010 05:37:59; Dark ; 42.5; 70; Zet Pup ; 2.25; 39000;occ; 85; 0;41170  
 23; 1231.9; 14-JAN-2010 05:39:41; Dark ; 43.0; 117; Pi Pup ; 2.71; 3800;occ; 86; 0;41170  
 24; 1386.2; 14-JAN-2010 05:42:15; Dark ; 42.5; 23; 21Eps CMA ; 1.50; 26000;occ; 85; 0;41170



25; 1471.8; 14-JAN-2010 05:43:41; Dark ; 41.0; 179; 240mi2Cma ; 3.03; 24000;occ; 82; 0;41170  
 26; 1606.1; 14-JAN-2010 05:45:55; Dark ; 47.0; 1; 9Alp Cma ; -1.44; 11000;occ; 94; 0;41170  
 27; 2018.1; 14-JAN-2010 05:52:47; Dark ; 53.0; 8; 10Alp Cmi ; 0.40; 6500;occ; 106; 0;41170  
 28; 2190.3; 14-JAN-2010 05:55:39; Dark ; 43.0; 44; 24Gam Gem ; 1.93; 11000;occ; 86; 0;41170  
 29; 2293.0; 14-JAN-2010 05:57:22; Bright; 46.0; 151; 13Mu Gem ; 2.89; 3000;occ; 92; 0;41170  
 30; 2541.1; 14-JAN-2010 06:01:30; Bright; 37.0; 107; 37The Aur ; 2.65; 11000;occ; 74; 0;41170  
 31; 2672.7; 14-JAN-2010 06:03:42; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;41170  
 32; 3424.8; 14-JAN-2010 06:16:14; Bright; 38.5; 49; 1Alp Umi ; 1.99; 6300;occ; 77; 0;41170  
 33; 3666.3; 14-JAN-2010 06:20:15; Bright; 35.0; 60; 7Bet Umi ; 2.08; 3950;occ; 70; 0;41170

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1; 73.9; 14-JAN-2010 22:06:22; Dark ; 43.5; 4; Alp1Cen ; -0.01; 5800;occ; 87; 0;41180  
 2; 396.6; 14-JAN-2010 22:11:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41180  
 3; 531.1; 14-JAN-2010 22:13:59; Dark ; 40.0; 124; The Car ; 2.76; 30000;occ; 80; 0;41180  
 4; 729.0; 14-JAN-2010 22:17:17; Dark ; 45.5; 71; Iot Car ; 2.25; 7700;occ; 91; 0;41180  
 5; 804.6; 14-JAN-2010 22:18:33; Dark ; 43.5; 41; Eps Car ; 1.86; 4100;occ; 87; 0;41180  
 6; 1004.5; 14-JAN-2010 22:21:53; Dark ; 40.5; 34; Gam2Vel ; 1.79; 23000;occ; 81; 0;41180  
 7; 1133.1; 14-JAN-2010 22:24:02; Dark ; 41.5; 70; Zet Pup ; 2.25; 39000;occ; 83; 0;41180  
 8; 1234.5; 14-JAN-2010 22:25:43; Dark ; 43.0; 117; Pi Pup ; 2.71; 3800;occ; 86; 0;41180  
 9; 1388.1; 14-JAN-2010 22:28:16; Dark ; 41.5; 23; 21Eps Cma ; 1.50; 26000;occ; 83; 0;41180  
 10; 1473.3; 14-JAN-2010 22:29:42; Dark ; 41.5; 179; 240mi2Cma ; 3.03; 24000;occ; 83; 0;41180  
 11; 1607.4; 14-JAN-2010 22:31:56; Dark ; 41.5; 1; 9Alp Cma ; -1.44; 11000;occ; 83; 0;41180  
 12; 2037.7; 14-JAN-2010 22:39:06; Dark ; 52.0; 14; 58Alp Ori ; 0.87; 3000;occ; 104; 0;41180  
 13; 2189.5; 14-JAN-2010 22:41:38; Dark ; 44.0; 44; 24Gam Gem ; 1.93; 11000;occ; 88; 0;41180  
 14; 2274.6; 14-JAN-2010 22:43:03; Bright; 40.5; 176; 23Zet Tau ; 3.02; 22000;occ; 81; 0;41180  
 15; 2540.6; 14-JAN-2010 22:47:29; Bright; 36.0; 107; 37The Aur ; 2.65; 11000;occ; 72; 0;41180  
 16; 2672.0; 14-JAN-2010 22:49:40; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;41180  
 17; 3424.9; 14-JAN-2010 23:02:13; Bright; 35.5; 49; 1Alp Umi ; 1.99; 6300;occ; 71; 0;41180  
 18; 3664.7; 14-JAN-2010 23:06:13; Bright; 38.5; 60; 7Bet Umi ; 2.08; 3950;occ; 77; 0;41180  
 19; 3922.3; 14-JAN-2010 23:10:31; Bright; 54.0; 119; 14Eta Dra ; 2.73; 4700;occ; 108; 0;41180  
 20; 4076.0; 14-JAN-2010 23:13:04; Bright; 46.0; 130; 23Bet Dra ; 2.80; 5800;occ; 92; 0;41180  
 21; 4452.7; 14-JAN-2010 23:19:21; Bright; 36.5; 133; 40Zet Her ; 2.81; 6000;occ; 73; 0;41180  
 22; 4638.0; 14-JAN-2010 23:22:26; Bright; 39.0; 127; 27Bet Her ; 2.78; 4700;occ; 78; 0;41180  
 23; 4966.8; 14-JAN-2010 23:27:55; Bright; 45.0; 102; 24Alp Ser ; 2.60; 4250;occ; 90; 0;41180  
 24; 5094.9; 14-JAN-2010 23:30:03; Bright; 41.0; 120; 1Del Oph ; 2.73; 3200;occ; 82; 0;41180  
 25; 5177.5; 14-JAN-2010 23:31:26; Bright; 53.0; 98; 13Zet Oph ; 2.57; 30000;occ; 106; 0;41180  
 26; 5313.6; 14-JAN-2010 23:33:42; Dark ; 49.0; 104; 27Bet Lib ; 2.61; 13100;occ; 98; 0;41180

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1; -722.2; 14-JAN-2010 23:33:42; Dark ; 49.5; 104; 27Bet Lib ; 2.61; 13100;occ; 99; 0;41180  
 2; -591.6; 14-JAN-2010 23:35:53; Dark ; 53.0; 16; 21Alp Sco ; 1.02; 3000;occ; 106; 0;41180  
 3; -173.2; 14-JAN-2010 23:42:51; Dark ; 40.5; 109; Bet Lup ; 2.68; 26000;occ; 81; 0;41180  
 4; -82.6; 14-JAN-2010 23:44:22; Dark ; 39.0; 78; Alp Lup ; 2.30; 28000;occ; 78; 0;41180  
 5; 74.2; 14-JAN-2010 23:46:58; Dark ; 51.0; 4; Alp1Cen ; -0.01; 5800;occ; 102; 0;41181  
 6; 284.2; 14-JAN-2010 23:50:28; Dark ; 41.0; 20; Bet Cru ; 1.25; 30000;occ; 82; 0;41181  
 7; 397.5; 14-JAN-2010 23:52:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41181  
 8; 531.5; 14-JAN-2010 23:54:36; Dark ; 37.5; 124; The Car ; 2.76; 30000;occ; 75; 0;41181  
 9; 729.4; 14-JAN-2010 23:57:54; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;41181  
 10; 804.6; 14-JAN-2010 23:59:09; Dark ; 52.5; 41; Eps Car ; 1.86; 4100;occ; 105; 0;41181  
 11; 1004.8; 15-JAN-2010 00:02:29; Dark ; 42.5; 34; Gam2Vel ; 1.79; 23000;occ; 85; 0;41181  
 12; 1133.3; 15-JAN-2010 00:04:38; Dark ; 43.5; 70; Zet Pup ; 2.25; 39000;occ; 87; 0;41181  
 13; 1234.7; 15-JAN-2010 00:06:19; Dark ; 44.5; 117; Pi Pup ; 2.71; 3800;occ; 89; 0;41181  
 14; 1388.3; 15-JAN-2010 00:08:53; Dark ; 43.0; 23; 21Eps Cma ; 1.50; 26000;occ; 86; 0;41181  
 15; 1473.7; 15-JAN-2010 00:10:18; Dark ; 41.0; 179; 240mi2Cma ; 3.03; 24000;occ; 82; 0;41181  
 16; 1607.5; 15-JAN-2010 00:12:32; Dark ; 44.5; 1; 9Alp Cma ; -1.44; 11000;occ; 89; 0;41181  
 17; 2037.9; 15-JAN-2010 00:19:42; Dark ; 52.0; 14; 58Alp Ori ; 0.87; 3000;occ; 104; 0;41181  
 18; 2189.3; 15-JAN-2010 00:22:14; Dark ; 45.5; 44; 24Gam Gem ; 1.93; 11000;occ; 91; 0;41181  
 19; 2274.6; 15-JAN-2010 00:23:39; Bright; 38.0; 176; 23Zet Tau ; 3.02; 22000;occ; 76; 0;41181  
 20; 2540.7; 15-JAN-2010 00:28:05; Bright; 36.0; 107; 37The Aur ; 2.65; 11000;occ; 72; 0;41181  
 21; 2671.8; 15-JAN-2010 00:30:16; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;41181  
 22; 3424.8; 15-JAN-2010 00:42:49; Bright; 39.0; 49; 1Alp Umi ; 1.99; 6300;occ; 78; 0;41181  
 23; 3664.7; 15-JAN-2010 00:46:49; Bright; 35.5; 60; 7Bet Umi ; 2.08; 3950;occ; 71; 0;41181  
 24; 3922.8; 15-JAN-2010 00:51:07; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;41181  
 25; 4076.0; 15-JAN-2010 00:53:40; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;41181  
 26; 4452.5; 15-JAN-2010 00:59:57; Bright; 36.0; 133; 40Zet Her ; 2.81; 6000;occ; 72; 0;41181  
 27; 4638.4; 15-JAN-2010 01:03:03; Bright; 55.0; 127; 27Bet Her ; 2.78; 4700;occ; 110; 0;41181  
 28; 4967.4; 15-JAN-2010 01:08:32; Bright; 61.0; 102; 24Alp Ser ; 2.60; 4250;occ; 122; 0;41181  
 29; 5095.3; 15-JAN-2010 01:10:40; Bright; 56.0; 120; 1Del Oph ; 2.73; 3200;occ; 112; 0;41181  
 30; 5177.7; 15-JAN-2010 01:12:02; Bright; 53.0; 98; 13Zet Oph ; 2.57; 30000;occ; 106; 0;41181  
 31; 5314.4; 15-JAN-2010 01:14:19; Dark ; 17.0; 104; 27Bet Lib ; 2.61; 13100;occ; 34; 0;41181

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1; -2344.2; 14-JAN-2010 06:20:41; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 51;41170  
 2; -2113.1; 14-JAN-2010 06:24:32; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;41170  
 3; -1584.8; 14-JAN-2010 06:33:20; Bright; 34.5; 133; 40Zet Her ; 2.81; 6000;occ; 69; 0;41170  
 4; -1452.4; 14-JAN-2010 06:35:33; Bright; 62.0; 67; 5Alp CrB ; 2.22; 11000;occ; 124; 0;41170  
 5; -1073.4; 14-JAN-2010 06:41:52; Bright; 61.0; 102; 24Alp Ser ; 2.60; 4250;occ; 122; 0;41170  
 6; -945.4; 14-JAN-2010 06:44:00; Bright; 55.0; 120; 1Del Oph ; 2.73; 3200;occ; 110; 0;41170  
 7; -861.9; 14-JAN-2010 06:45:23; Bright; 53.0; 98; 13Zet Oph ; 2.57; 30000;occ; 106; 0;41170  
 8; -729.9; 14-JAN-2010 06:47:35; Dark ; 48.5; 104; 27Bet Lib ; 2.61; 13100;occ; 97; 0;41170  
 9; -610.7; 14-JAN-2010 06:49:34; Dark ; 43.5; 80; 7Del Sco ; 2.32; 30000;occ; 87; 0;41170  
 10; -282.3; 14-JAN-2010 06:55:03; Dark ; 41.0; 131; Gam Lup ; 2.80; 26000;occ; 82; 0;41170  
 11; -179.5; 14-JAN-2010 06:56:46; Dark ; 41.5; 109; Bet Lup ; 2.68; 26000;occ; 83; 0;41170  
 12; -88.9; 14-JAN-2010 06:58:16; Dark ; 40.0; 78; Alp Lup ; 2.30; 28000;occ; 80; 0;41170  
 13; 30.5; 14-JAN-2010 07:00:16; Dark ; 42.5; 95; Zet Cen ; 2.55; 26000;occ; 85; 0;41171  
 14; 125.8; 14-JAN-2010 07:01:51; Dark ; 42.5; 10; Bet Cen ; 0.61; 28000;occ; 85; 0;41171  
 15; 278.1; 14-JAN-2010 07:04:23; Dark ; 42.0; 20; Bet Cru ; 1.25; 30000;occ; 84; 0;41171  
 16; 388.2; 14-JAN-2010 07:06:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41171  
 17; 526.9; 14-JAN-2010 07:08:32; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;41171  
 18; 614.0; 14-JAN-2010 07:09:59; Dark ; 36.5; 159; Ups Car ; 2.92; 7200;occ; 73; 0;41171  
 19; 801.5; 14-JAN-2010 07:13:07; Dark ; 47.0; 41; Eps Car ; 1.86; 4100;occ; 94; 0;41171  
 20; 1001.1; 14-JAN-2010 07:16:26; Dark ; 39.5; 34; Gam2Vel ; 1.79; 23000;occ; 79; 0;41171  
 21; 1130.2; 14-JAN-2010 07:18:35; Dark ; 43.5; 70; Zet Pup ; 2.25; 39000;occ; 87; 0;41171  
 22; 1232.1; 14-JAN-2010 07:20:17; Dark ; 45.5; 117; Pi Pup ; 2.71; 3800;occ; 91; 0;41171  
 23; 1386.3; 14-JAN-2010 07:22:51; Dark ; 43.5; 23; 21Eps CMA ; 1.50; 26000;occ; 87; 0;41171  
 24; 1471.8; 14-JAN-2010 07:24:17; Dark ; 40.5; 179; 240mi2CMA ; 3.03; 24000;occ; 81; 0;41171  
 25; 1606.3; 14-JAN-2010 07:26:31; Dark ; 46.0; 1; 9Alp CMA ; -1.44; 11000;occ; 92; 0;41171

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 2; 2190.2; 14-JAN-2010 07:36:15; Dark ; 43.5; 44; 24Gam Gem ; 1.93; 11000;occ; 87; 0;41171  
 3; 2293.0; 14-JAN-2010 07:37:58; Bright; 53.0; 151; 13Mu Gem ; 2.89; 3000;occ; 106; 0;41171  
 4; 2541.1; 14-JAN-2010 07:42:06; Bright; 36.5; 107; 37The Aur ; 2.65; 11000;occ; 73; 0;41171  
 5; 2672.6; 14-JAN-2010 07:44:18; Bright; 37.5; 42; 34Bet Aur ; 1.90; 10200;occ; 75; 0;41171  
 6; 3424.9; 14-JAN-2010 07:56:50; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;41171  
 7; 3666.1; 14-JAN-2010 08:00:51; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;41171  
 8; 3923.0; 14-JAN-2010 08:05:08; Bright; 52.5; 119; 14Eta Dra ; 2.73; 4700;occ; 105; 0;41171  
 9; 4451.4; 14-JAN-2010 08:13:56; Bright; 37.0; 133; 40Zet Her ; 2.81; 6000;occ; 74; 0;41171  
 10; 4583.9; 14-JAN-2010 08:16:09; Bright; 62.0; 67; 5Alp CrB ; 2.22; 11000;occ; 124; 0;41171  
 11; 4962.9; 14-JAN-2010 08:22:28; Bright; 42.5; 102; 24Alp Ser ; 2.60; 4250;occ; 85; 0;41171  
 12; 5091.2; 14-JAN-2010 08:24:36; Bright; 55.0; 120; 1Del Oph ; 2.73; 3200;occ; 110; 0;41171  
 13; 5174.4; 14-JAN-2010 08:26:00; Bright; 53.0; 98; 13Zet Oph ; 2.57; 30000;occ; 106; 0;41171  
 14; 5307.0; 14-JAN-2010 08:28:12; Dark ; 50.5; 104; 27Bet Lib ; 2.61; 13100;occ; 101; 0;41171  
 15; 5425.8; 14-JAN-2010 08:30:11; Dark ; 41.5; 80; 7Del Sco ; 2.32; 30000;occ; 83; 0;41171  
 16; 5754.1; 14-JAN-2010 08:35:39; Dark ; 41.0; 131; Gam Lup ; 2.80; 26000;occ; 82; 0;41171  
 17; 5857.2; 14-JAN-2010 08:37:22; Dark ; 41.0; 109; Bet Lup ; 2.68; 26000;occ; 82; 0;41171  
 18; 5947.7; 14-JAN-2010 08:38:53; Dark ; 40.5; 78; Alp Lup ; 2.30; 28000;occ; 81; 0;41171  
 19; 6067.4; 14-JAN-2010 08:40:52; Dark ; 41.5; 95; Zet Cen ; 2.55; 26000;occ; 83; 0;41171  
 20; 6162.3; 14-JAN-2010 08:42:27; Dark ; 42.5; 10; Bet Cen ; 0.61; 28000;occ; 85; 0;41171  
 21; 6314.6; 14-JAN-2010 08:45:00; Dark ; 41.0; 20; Bet Cru ; 1.25; 30000;occ; 82; 0;41171  
 22; 6425.0; 14-JAN-2010 08:46:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41171  
 23; 6563.4; 14-JAN-2010 08:49:09; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;41171  
 24; 6650.3; 14-JAN-2010 08:50:35; Dark ; 38.5; 159; Ups Car ; 2.92; 7200;occ; 73; 0;41171  
 25; 6761.3; 14-JAN-2010 08:52:26; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;41171  
 26; 6837.7; 14-JAN-2010 08:53:43; Dark ; 45.0; 41; Eps Car ; 1.86; 4100;occ; 90; 0;41171  
 27; 7037.5; 14-JAN-2010 08:57:03; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;41171  
 28; 7166.5; 14-JAN-2010 08:59:12; Dark ; 44.0; 70; Zet Pup ; 2.25; 39000;occ; 88; 0;41171  
 29; 7268.3; 14-JAN-2010 09:00:53; Dark ; 43.0; 117; Pi Pup ; 2.71; 3800;occ; 86; 0;41171  
 30; 7422.4; 14-JAN-2010 09:03:27; Dark ; 41.0; 23; 21Eps CMA ; 1.50; 26000;occ; 82; 0;41171  
 31; 7508.1; 14-JAN-2010 09:04:53; Dark ; 40.0; 179; 240mi2CMA ; 3.03; 24000;occ; 80; 0;41171  
 32; 7642.4; 14-JAN-2010 09:07:07; Dark ; 48.5; 1; 9Alp CMA ; -1.44; 11000;occ; 97; 0;41171

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20100114\_091359\_000056682086\_00036\_41172\_6024.N1

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24; 2187.5; 17-JAN-2010 06:01:21; Dark ; 36.0; 44; 24Gam Gem ; 1.93; 11000;occ; 72; 0;41213
25; 2291.3; 17-JAN-2010 06:03:05; Bright; 53.0; 151; 13Mu Gem ; 2.89; 3000;occ; 106; 0;41213
26; 2540.7; 17-JAN-2010 06:07:15; Bright; 36.5; 107; 37The Aur ; 2.65; 11000;occ; 73; 0;41213
27; 2671.5; 17-JAN-2010 06:09:25; Bright; 37.5; 42; 34Bet Aur ; 1.90; 10200;occ; 75; 0;41213
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3;-1956.9; 17-JAN-2010 06:32:53; Bright; 44.5; 130; 23Bet Dra ; 2.80; 5800;occ; 89; 0;41213

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```

4;-1390.0; 17-JAN-2010 06:42:20; Bright; 56.0; 127; 27Bet Her ; 2.78; 4700;occ; 112; 0;41213
5;-1052.4; 17-JAN-2010 06:47:57; Bright; 63.0; 102; 24Alp Ser ; 2.60; 4250;occ; 126; 0;41213
6; -926.5; 17-JAN-2010 06:50:03; Bright; 57.0; 120; 1Del Oph ; 2.73; 3200;occ; 114; 0;41213
7; -578.4; 17-JAN-2010 06:55:51; Dark ; 48.5; 16; 21Alp Sco ; 1.02; 3000;occ; 97; 0;41213
8; -151.2; 17-JAN-2010 07:02:59; Dark ; 42.0; 109; Bet Lup ; 2.68; 26000;occ; 84; 0;41213
9; -60.7; 17-JAN-2010 07:04:29; Dark ; 43.0; 78; Alp Lup ; 2.30; 28000;occ; 86; 0;41213
10; 88.8; 17-JAN-2010 07:06:59; Dark ; 42.0; 4; Alp1Cen ;-0.01; 5800;occ; 84; 0;41214
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12; 428.1; 17-JAN-2010 07:12:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41214
13; 547.8; 17-JAN-2010 07:14:38; Dark ; 38.0; 124; The Car ; 2.76; 30000;occ; 76; 0;41214
14; 631.5; 17-JAN-2010 07:16:01; Dark ; 39.0; 159; Ups Car ; 2.92; 7200;occ; 78; 0;41214
15; 743.8; 17-JAN-2010 07:17:54; Dark ; 45.5; 71; Iot Car ; 2.25; 7700;occ; 91; 0;41214
16; 855.3; 17-JAN-2010 07:19:45; Dark ; 40.0; 46; Del Vel ; 1.95; 10600;occ; 80; 0;41214
17; 1017.0; 17-JAN-2010 07:22:27; Dark ; 41.5; 34; Gam2Vel ; 1.79; 23000;occ; 83; 0;41214
18; 1145.3; 17-JAN-2010 07:24:35; Dark ; 43.0; 70; Zet Pup ; 2.25; 39000;occ; 86; 0;41214
19; 1243.2; 17-JAN-2010 07:26:13; Dark ; 45.5; 117; Pi Pup ; 2.71; 3800;occ; 91; 0;41214
20; 1395.1; 17-JAN-2010 07:28:45; Dark ; 39.5; 23; 21Eps CMA ; 1.50; 26000;occ; 79; 0;41214
21; 1479.9; 17-JAN-2010 07:30:10; Dark ; 40.0; 179; 240mi2CMA ; 3.03; 24000;occ; 80; 0;41214
22; 1612.4; 17-JAN-2010 07:32:22; Dark ; 4.0; 1; 9Alp CMA ;-1.44; 11000;occ; 8; 0;41214
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3; 2060.3; 17-JAN-2010 07:39:50; Dark ; 40.0; 153; 3Bet CMi ; 2.89; 13100;occ; 80; 0;41214
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5; 2291.1; 17-JAN-2010 07:43:41; Bright; 53.0; 151; 13Mu Gem ; 2.89; 3000;occ; 106; 0;41214
6; 2540.8; 17-JAN-2010 07:47:51; Bright; 37.0; 107; 37The Aur ; 2.65; 11000;occ; 74; 0;41214
7; 2671.5; 17-JAN-2010 07:50:01; Bright; 36.5; 42; 34Bet Aur ; 1.90; 10200;occ; 73; 0;41214
8; 3425.4; 17-JAN-2010 08:02:35; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;41214
9; 3658.8; 17-JAN-2010 08:06:29; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;41214
10; 3920.8; 17-JAN-2010 08:10:51; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;41214
11; 4079.2; 17-JAN-2010 08:13:29; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;41214
12; 4646.1; 17-JAN-2010 08:22:56; Bright; 37.0; 127; 27Bet Her ; 2.78; 4700;occ; 74; 0;41214
13; 4984.2; 17-JAN-2010 08:28:34; Bright; 63.0; 102; 24Alp Ser ; 2.60; 4250;occ; 126; 0;41214
14; 5110.0; 17-JAN-2010 08:30:40; Bright; 57.0; 120; 1Del Oph ; 2.73; 3200;occ; 114; 0;41214
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16; 5777.0; 17-JAN-2010 08:41:47; Dark ; 40.0; 131; Gam Lup ; 2.80; 26000;occ; 80; 0;41214
17; 5885.5; 17-JAN-2010 08:43:35; Dark ; 39.5; 109; Bet Lup ; 2.68; 26000;occ; 79; 0;41214
18; 5976.0; 17-JAN-2010 08:45:06; Dark ; 42.0; 78; Alp Lup ; 2.30; 28000;occ; 84; 0;41214
19; 6125.5; 17-JAN-2010 08:47:35; Dark ; 41.5; 4; Alp1Cen ;-0.01; 5800;occ; 83; 0;41214
20; 6341.3; 17-JAN-2010 08:51:11; Dark ; 40.5; 20; Bet Cru ; 1.25; 30000;occ; 81; 0;41214
21; 6464.9; 17-JAN-2010 08:53:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41214
22; 6584.2; 17-JAN-2010 08:55:14; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;41214
23; 6668.0; 17-JAN-2010 08:56:38; Dark ; 38.5; 159; Ups Car ; 2.92; 7200;occ; 77; 0;41214
24; 6780.3; 17-JAN-2010 08:58:30; Dark ; 19.0; 71; Iot Car ; 2.25; 7700;occ; 38; 0;41214
25; 7431.5; 17-JAN-2010 09:09:21; Dark ; 43.0; 23; 21Eps CMA ; 1.50; 26000;occ; 86; 0;41214
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5; 2540.7; 17-JAN-2010 09:28:27; Bright; 44.5; 107; 37The Aur ; 2.65; 11000;occ; 89; 0;41215
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8; 3658.7; 17-JAN-2010 09:47:04; Bright; 43.5; 60; 7Bet UMi ; 2.08; 3950;occ; 87; 0;41215
9; 3920.8; 17-JAN-2010 09:51:27; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;41215
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12; 4984.8; 17-JAN-2010 10:09:11; Bright; 63.0; 102; 24Alp Ser ; 2.60; 4250;occ; 126; 0;41215
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14; 5458.4; 17-JAN-2010 10:17:04; Dark ; 53.0; 16; 21Alp Sco ; 1.02; 3000;occ; 106; 0;41215
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17; 5976.5; 17-JAN-2010 10:25:42; Dark ; 41.0; 78; Alp Lup ; 2.30; 28000;occ; 82; 0;41215
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19; 6341.9; 17-JAN-2010 10:31:48; Dark ; 41.0; 20; Bet Cru ; 1.25; 30000;occ; 82; 0;41215
20; 6465.8; 17-JAN-2010 10:33:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41215
21; 6584.6; 17-JAN-2010 10:35:50; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;41215

```

```

22; 6668.2; 17-JAN-2010 10:37:14; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41215
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3; 433.7; 17-JAN-2010 17:16:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41220
4; 550.8; 17-JAN-2010 17:18:16; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;41220
5; 634.0; 17-JAN-2010 17:19:39; Dark ; 39.5; 159; Ups Car ; 2.92; 7200;occ; 79; 0;41220
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4; 1399.3; 18-JAN-2010 20:22:00; Dark ; 42.0; 23; 21Eps CMA ; 1.50; 26000;occ; 84; 0;41236
5; 1483.8; 18-JAN-2010 20:23:24; Dark ; 40.5; 179; 240mi2CMA ; 3.03; 24000;occ; 81; 0;41236
6; 1615.5; 18-JAN-2010 20:25:36; Dark ; 41.5; 1; 9Alp CMA ; -1.44; 11000;occ; 83; 0;41236
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8; 2186.5; 18-JAN-2010 20:35:07; Dark ; 53.0; 44; 24Gam Gem ; 1.93; 11000;occ; 106; 0;41236
9; 2290.9; 18-JAN-2010 20:36:51; Bright; 42.0; 151; 13Mu Gem ; 2.89; 3000;occ; 84; 0;41236
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18; 4751.7; 18-JAN-2010 21:17:52; Bright; 33.5; 59; 55Alp Oph ; 2.08; 8900;occ; 67; 0;41236
19; 5120.7; 18-JAN-2010 21:24:01; Bright; 40.5; 120; 1Del Oph ; 2.73; 3200;occ; 81; 0;41236
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4; -135.4; 18-JAN-2010 21:37:01; Dark ; 42.5; 109; Bet Lup ; 2.68; 26000;occ; 85; 0;41236
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6; 99.3; 18-JAN-2010 21:40:55; Dark ; 41.0; 4; Alp1Cen ; -0.01; 5800;occ; 82; 0;41237
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8; 449.3; 18-JAN-2010 21:46:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41237
9; 558.6; 18-JAN-2010 21:48:35; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;41237
10; 640.7; 18-JAN-2010 21:49:57; Dark ; 37.5; 159; Ups Car ; 2.92; 7200;occ; 75; 0;41237
11; 864.4; 18-JAN-2010 21:53:41; Dark ; 44.0; 46; Del Vel ; 1.95; 10600;occ; 88; 0;41237
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16; 1483.9; 18-JAN-2010 22:04:00; Dark ; 40.5; 179; 240mi2CMA ; 3.03; 24000;occ; 81; 0;41237
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20; 2291.0; 18-JAN-2010 22:17:27; Bright; 42.0; 151; 13Mu Gem ; 2.89; 3000;occ; 84; 0;41237
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22; 2671.7; 18-JAN-2010 22:23:48; Bright; 36.5; 42; 34Bet Aur ; 1.90; 10200;occ; 73; 0;41237
23; 3425.1; 18-JAN-2010 22:36:21; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;41237
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26; 4460.6; 18-JAN-2010 22:53:37; Bright; 55.0; 133; 40Zet Her ; 2.81; 6000;occ; 110; 0;41237
27; 4651.2; 18-JAN-2010 22:56:47; Bright; 38.5; 127; 27Bet Her ; 2.78; 4700;occ; 77; 0;41237
28; 5121.3; 18-JAN-2010 23:04:37; Bright; 52.5; 120; 1Del Oph ; 2.73; 3200;occ; 105; 0;41237
29; 5241.5; 18-JAN-2010 23:06:38; Bright; 51.5; 86; 35Eta Oph ; 2.43; 10200;occ; 103; 0;41237
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2; -246.1; 18-JAN-2010 23:15:46; Dark ; 39.0; 131; Gam Lup ; 2.80; 26000;occ; 78; 0;41237
3; -134.4; 18-JAN-2010 23:17:38; Dark ; 41.0; 109; Bet Lup ; 2.68; 26000;occ; 82; 0;41237
4; -44.2; 18-JAN-2010 23:19:08; Dark ; 42.5; 78; Alp Lup ; 2.30; 28000;occ; 85; 0;41237
5; 100.0; 18-JAN-2010 23:21:32; Dark ; 53.5; 4; Alp1Cen ; -0.01; 5800;occ; 107; 0;41238
6; 367.7; 18-JAN-2010 23:26:00; Dark ; 48.5; 12; Alp1Cru ; 0.77; 30000;occ; 97; 0;41238
7; 450.2; 18-JAN-2010 23:27:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41238

```



```

8; 559.0; 18-JAN-2010 23:29:11; Dark ; 37.5; 124; The Car ; 2.76; 30000;occ; 75; 0;41238
9; 641.0; 18-JAN-2010 23:30:33; Dark ; 37.5; 159; Ups Car ; 2.92; 7200;occ; 75; 0;41238
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12; 1152.9; 18-JAN-2010 23:39:05; Dark ; 43.5; 70; Zet Pup ; 2.25; 39000;occ; 87; 0;41238
13; 1248.6; 18-JAN-2010 23:40:41; Dark ; 45.0; 117; Pi Pup ; 2.71; 3800;occ; 90; 0;41238
14; 1399.7; 18-JAN-2010 23:43:12; Dark ; 41.5; 23; 21Eps CMA ; 1.50; 26000;occ; 83; 0;41238
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19; 2499.7; 19-JAN-2010 00:01:32; Bright; 42.0; 24; 66Alp Gem ; 1.58; 10200;occ; 84; 0;41238
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21; 3425.3; 19-JAN-2010 00:16:57; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;41238
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/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20100120\_045053\_000060762086\_00119\_41255\_9350.N1

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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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4; 142.3; 25-JAN-2010 01:14:20; Dark ; 41.5; 4; Alp1Cen ; -0.01; 5800;occ; 83; 0;41325
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13; 1499.2; 25-JAN-2010 01:36:57; Dark ; 39.0; 179; 240mi2CMa ; 3.03; 24000;occ; 78; 0;41325

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 16; 2295.2; 25-JAN-2010 01:50:13; Bright; 41.0; 151; 13Mu Gem ; 2.89; 3000;occ; 82; 0;41325  
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/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20100125\_034940\_000062822086\_00190\_41326\_9379.N1

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 28; 2414.1; 25-JAN-2010 05:13:24; Bright; 44.0; 17; 78Bet Gem ; 1.16; 4500;occ; 88; 0;41327  
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/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20100125\_053820\_000058012086\_00191\_41327\_9380.N1

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```

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21; 2295.7; 25-JAN-2010 06:52:01; Bright; 50.0; 151; 13Mu Gem ; 2.89; 3000;occ; 100; 0;41328
22; 2413.9; 25-JAN-2010 06:53:59; Bright; 43.5; 17; 78Bet Gem ; 1.16; 4500;occ; 87; 0;41328
23; 2549.6; 25-JAN-2010 06:56:15; Bright; 29.0; 107; 37The Aur ; 2.65; 11000;occ; 58; 0;41328
24; 2677.6; 25-JAN-2010 06:58:23; Bright; 35.0; 42; 34Bet Aur ; 1.90; 10200;occ; 70; 0;41328
25; 3635.8; 25-JAN-2010 07:14:21; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;41328
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3; 1182.3; 25-JAN-2010 19:58:15; Dark ; 43.5; 70; Zet Pup ; 2.25; 39000;occ; 87; 0;41336
4; 1270.4; 25-JAN-2010 19:59:43; Dark ; 44.0; 117; Pi Pup ; 2.71; 3800;occ; 88; 0;41336
5; 1395.2; 25-JAN-2010 20:01:48; Dark ; 41.0; 88; 31Eta CMa ; 2.45; 20000;occ; 82; 0;41336
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12; 3426.5; 25-JAN-2010 20:35:39; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;41336
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15; 4086.1; 25-JAN-2010 20:46:39; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;41336
16; 4474.4; 25-JAN-2010 20:53:07; Bright; 58.0; 133; 40Zet Her ; 2.81; 6000;occ; 116; 0;41336
17; 4677.2; 25-JAN-2010 20:56:30; Bright; 43.5; 127; 27Bet Her ; 2.78; 4700;occ; 87; 0;41336
18; 4773.7; 25-JAN-2010 20:58:07; Bright; 34.5; 59; 55Alp Oph ; 2.08; 8900;occ; 69; 0;41336
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3; -519.2; 25-JAN-2010 21:10:30; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;41336
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6; -58.9; 25-JAN-2010 21:18:10; Dark ; 43.0; 109; Bet Lup ; 2.68; 26000;occ; 86; 0;41336
7; 29.2; 25-JAN-2010 21:19:38; Dark ; 44.0; 78; Alp Lup ; 2.30; 28000;occ; 88; 0;41337
8; 148.3; 25-JAN-2010 21:21:37; Dark ; 42.0; 4; Alp1Cen ;-0.01; 5800;occ; 84; 0;41337
9; 242.8; 25-JAN-2010 21:23:12; Dark ; 39.5; 77; Eps Cen ; 2.30; 28000;occ; 79; 0;41337
10; 422.2; 25-JAN-2010 21:26:11; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;41337
11; 538.4; 25-JAN-2010 21:28:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41337
12; 678.3; 25-JAN-2010 21:30:27; Dark ; 39.5; 159; Ups Car ; 2.92; 7200;occ; 79; 0;41337
13; 792.8; 25-JAN-2010 21:32:22; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;41337
14; 900.7; 25-JAN-2010 21:34:09; Dark ; 43.0; 46; Del Vel ; 1.95; 10600;occ; 86; 0;41337
15; 1056.3; 25-JAN-2010 21:36:45; Dark ; 42.0; 34; Gam2Vel ; 1.79; 23000;occ; 84; 0;41337
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21; 2189.0; 25-JAN-2010 21:55:38; Bright; 40.0; 44; 24Gam Gem ; 1.93; 11000;occ; 80; 0;41337
22; 2296.5; 25-JAN-2010 21:57:25; Bright; 40.0; 151; 13Mu Gem ; 2.89; 3000;occ; 80; 0;41337
23; 2410.9; 25-JAN-2010 21:59:20; Bright; 44.0; 17; 78Bet Gem ; 1.16; 4500;occ; 88; 0;41337

```



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 25; 3426.7; 25-JAN-2010 22:16:16; Bright; 32.0; 49; 1Alp UMi ; 1.99; 6300;occ; 64; 0;41337  
 26; 3634.1; 25-JAN-2010 22:19:43; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;41337  
 27; 3909.0; 25-JAN-2010 22:24:18; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;41337  
 28; 4085.9; 25-JAN-2010 22:27:15; Bright; 51.0; 130; 23Bet Dra ; 2.80; 5800;occ; 102; 0;41337  
 29; 4474.8; 25-JAN-2010 22:33:44; Bright; 42.0; 133; 40Zet Her ; 2.81; 6000;occ; 84; 0;41337  
 30; 4677.3; 25-JAN-2010 22:37:06; Bright; 41.5; 127; 27Bet Her ; 2.78; 4700;occ; 83; 0;41337  
 31; 4774.0; 25-JAN-2010 22:38:43; Bright; 34.5; 59; 55Alp Oph ; 2.08; 8900;occ; 69; 0;41337  
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 33; 5177.4; 25-JAN-2010 22:45:26; Dark ; 53.5; 120; 1Del Oph ; 2.73; 3200;occ; 107; 0;41337  
 34; 5275.1; 25-JAN-2010 22:47:04; Dark ; 43.0; 86; 35Eta Oph ; 2.43; 10200;occ; 86; 0;41337

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 9; 539.2; 25-JAN-2010 23:08:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41338  
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 11; 793.2; 25-JAN-2010 23:12:58; Dark ; 50.0; 71; Iot Car ; 2.25; 7700;occ; 100; 0;41338  
 12; 901.0; 25-JAN-2010 23:14:46; Dark ; 41.5; 46; Del Vel ; 1.95; 10600;occ; 83; 0;41338  
 13; 1056.6; 25-JAN-2010 23:17:21; Dark ; 40.0; 34; Gam2Vel ; 1.79; 23000;occ; 80; 0;41338  
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 16; 1395.6; 25-JAN-2010 23:23:00; Dark ; 38.5; 88; 31Eta CMa ; 2.45; 20000;occ; 77; 0;41338  
 17; 1501.5; 25-JAN-2010 23:24:46; Dark ; 40.5; 179; 240mi2CMa ; 3.03; 24000;occ; 81; 0;41338  
 18; 1994.3; 25-JAN-2010 23:32:59; Dark ; 49.0; 8; 10Alp CMi ; 0.40; 6500;occ; 98; 0;41338  
 19; 2189.3; 25-JAN-2010 23:36:14; Bright; 40.0; 44; 24Gam Gem ; 1.93; 11000;occ; 80; 0;41338  
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 21; 2411.0; 25-JAN-2010 23:39:56; Bright; 43.5; 17; 78Bet Gem ; 1.16; 4500;occ; 87; 0;41338  
 22; 2678.3; 25-JAN-2010 23:44:23; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;41338  
 23; 3426.7; 25-JAN-2010 23:56:51; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;41338  
 24; 3633.7; 26-JAN-2010 00:00:18; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;41338  
 25; 3909.2; 26-JAN-2010 00:04:54; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;41338  
 26; 4086.0; 26-JAN-2010 00:07:51; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;41338  
 27; 4474.8; 26-JAN-2010 00:14:19; Bright; 58.0; 133; 40Zet Her ; 2.81; 6000;occ; 116; 0;41338  
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 29; 4774.0; 26-JAN-2010 00:19:19; Bright; 35.0; 59; 55Alp Oph ; 2.08; 8900;occ; 70; 0;41338  
 30; 4900.9; 26-JAN-2010 00:21:26; Bright; 52.0; 126; 60Bet Oph ; 2.77; 4250;occ; 104; 0;41338  
 31; 5177.9; 26-JAN-2010 00:26:03; Dark ; 53.5; 120; 1Del Oph ; 2.73; 3200;occ; 107; 0;41338  
 32; 5275.4; 26-JAN-2010 00:27:40; Dark ; 43.5; 86; 35Eta Oph ; 2.43; 10200;occ; 87; 0;41338

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20100125\_071435\_000039252086\_00192\_41328\_6112.N1

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 4; -1562.4; 25-JAN-2010 07:28:19; Bright; 44.0; 133; 40Zet Her ; 2.81; 6000;occ; 88; 0;41328  
 5; -1360.9; 25-JAN-2010 07:31:41; Bright; 60.0; 127; 27Bet Her ; 2.78; 4700;occ; 120; 0;41328  
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 9; -523.5; 25-JAN-2010 07:45:38; Dark ; 51.0; 16; 21Alp Sco ; 1.02; 3000;occ; 102; 0;41328  
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 11; -188.0; 25-JAN-2010 07:51:13; Dark ; 41.0; 131; Gam Lup ; 2.80; 26000;occ; 82; 0;41328  
 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  
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 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  
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/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  
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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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21; 6273.4; 25-JAN-2010 09:38:55; Dark ; 43.0; 77; Eps Cen ; 2.30; 28000;occ; 86; 0;41329  
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/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20100125\_100812\_000055802086\_00194\_41330\_6114.N1

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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  
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/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20100125\_114110\_000060392086\_00195\_41331\_6115.N1

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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  
15; 5514.0; 25-JAN-2010 12:47:27; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;41331

```

16; 5598.1; 25-JAN-2010 12:48:51; Dark ; 45.0; 75; 26Eps Sco ; 2.29; 4250;occ; 90; 0;41331
17; 5850.1; 25-JAN-2010 12:53:03; Dark ; 43.0; 131; Gam Lup ; 2.80; 26000;occ; 86; 0;41331
18; 5972.9; 25-JAN-2010 12:55:06; Dark ; 42.5; 109; Bet Lup ; 2.68; 26000;occ; 85; 0;41331
19; 6061.4; 25-JAN-2010 12:56:34; Dark ; 42.0; 78; Alp Lup ; 2.30; 28000;occ; 84; 0;41331
20; 6181.7; 25-JAN-2010 12:58:35; Dark ; 41.0; 4; Alp1Cen ;-0.01; 5800;occ; 82; 0;41331
21; 6455.4; 25-JAN-2010 13:03:09; Dark ; 45.0; 12; Alp1Cru ; 0.77; 30000;occ; 90; 0;41331
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
30; 7536.5; 25-JAN-2010 13:21:10; Dark ; 40.0; 179; 240mi2CMA ; 3.03; 24000;occ; 80; 0;41331
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20100125_132140_000059412086_00196_41332_6116.N1
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2; 1994.9; 25-JAN-2010 13:29:24; Dark ; 48.0; 8; 10Alp CMi ; 0.40; 6500;occ; 96; 0;41332
3; 2188.7; 25-JAN-2010 13:32:38; Bright; 41.0; 44; 24Gam Gem ; 1.93; 11000;occ; 82; 0;41332
4; 2295.9; 25-JAN-2010 13:34:25; Bright; 39.5; 151; 13Mu Gem ; 2.89; 3000;occ; 79; 0;41332
5; 2412.7; 25-JAN-2010 13:36:22; Bright; 42.5; 17; 78Bet Gem ; 1.16; 4500;occ; 85; 0;41332
6; 2677.8; 25-JAN-2010 13:40:47; Bright; 38.0; 42; 34Bet Aur ; 1.90; 10200;occ; 76; 0;41332
7; 3635.1; 25-JAN-2010 13:56:44; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;41332
8; 3910.0; 25-JAN-2010 14:01:19; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;41332
9; 4086.1; 25-JAN-2010 14:04:15; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;41332
10; 4474.1; 25-JAN-2010 14:10:43; Bright; 58.0; 133; 40Zet Her ; 2.81; 6000;occ; 116; 0;41332
11; 4676.4; 25-JAN-2010 14:14:05; Bright; 60.0; 127; 27Bet Her ; 2.78; 4700;occ; 120; 0;41332
12; 4773.0; 25-JAN-2010 14:15:42; Bright; 35.0; 59; 55Alp Oph ; 2.08; 8900;occ; 70; 0;41332
13; 4899.8; 25-JAN-2010 14:17:49; Bright; 34.5; 126; 60Bet Oph ; 2.77; 4250;occ; 69; 0;41332
14; 5174.5; 25-JAN-2010 14:22:23; Dark ; 53.0; 120; 1Del Oph ; 2.73; 3200;occ; 106; 0;41332
15; 5273.2; 25-JAN-2010 14:24:02; Dark ; 42.5; 86; 35Eta Oph ; 2.43; 10200;occ; 85; 0;41332
16; 5598.9; 25-JAN-2010 14:29:28; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;41332
17; 5850.6; 25-JAN-2010 14:33:40; Dark ; 41.5; 131; Gam Lup ; 2.80; 26000;occ; 83; 0;41332
18; 5973.8; 25-JAN-2010 14:35:43; Dark ; 43.5; 109; Bet Lup ; 2.68; 26000;occ; 87; 0;41332
19; 6062.1; 25-JAN-2010 14:37:11; Dark ; 44.0; 78; Alp Lup ; 2.30; 28000;occ; 88; 0;41332
20; 6182.2; 25-JAN-2010 14:39:11; Dark ; 43.5; 4; Alp1Cen ;-0.01; 5800;occ; 87; 0;41332
21; 6275.6; 25-JAN-2010 14:40:45; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;41332
22; 6456.0; 25-JAN-2010 14:43:45; Dark ; 40.5; 12; Alp1Cru ; 0.77; 30000;occ; 81; 0;41332
23; 6570.8; 25-JAN-2010 14:45:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41332
24; 6713.1; 25-JAN-2010 14:48:02; Dark ; 38.5; 159; Ups Car ; 2.92; 7200;occ; 77; 0;41332
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
29; 7306.1; 25-JAN-2010 14:57:55; Dark ; 43.5; 117; Pi Pup ; 2.71; 3800;occ; 87; 0;41332
30; 7431.0; 25-JAN-2010 15:00:00; Dark ; 41.5; 88; 31Eta CMA ; 2.45; 20000;occ; 83; 0;41332
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2; 1500.7; 25-JAN-2010 15:01:46; Dark ; 39.0; 179; 240mi2CMA ; 3.03; 24000;occ; 78; 0;41333
3; 1994.6; 25-JAN-2010 15:10:00; Dark ; 47.0; 8; 10Alp CMi ; 0.40; 6500;occ; 94; 0;41333
4; 2189.0; 25-JAN-2010 15:13:14; Bright; 39.0; 44; 24Gam Gem ; 1.93; 11000;occ; 78; 0;41333
5; 2296.0; 25-JAN-2010 15:15:01; Bright; 41.5; 151; 13Mu Gem ; 2.89; 3000;occ; 83; 0;41333
6; 2412.4; 25-JAN-2010 15:16:57; Bright; 44.0; 17; 78Bet Gem ; 1.16; 4500;occ; 88; 0;41333
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
10; 4086.2; 25-JAN-2010 15:44:51; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;41333
11; 4474.4; 25-JAN-2010 15:51:19; Bright; 58.0; 133; 40Zet Her ; 2.81; 6000;occ; 116; 0;41333
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
15; 5175.3; 25-JAN-2010 16:03:00; Dark ; 52.5; 120; 1Del Oph ; 2.73; 3200;occ; 105; 0;41333
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

```



```

22; 6182.8; 25-JAN-2010 16:19:48; Dark ; 42.0; 4; Alp1Cen ; -0.01; 5800;occ; 84; 0;41333
23; 6276.4; 25-JAN-2010 16:21:21; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;41333
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
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 2; 1395.0; 25-JAN-2010 16:40:36; Dark ; 42.5; 88; 31Eta CMa ; 2.45; 20000;occ; 85; 0;41334
 3; 1500.9; 25-JAN-2010 16:42:22; Dark ; 38.0; 179; 240mi2CMa ; 3.03; 24000;occ; 76; 0;41334
 4; 1994.6; 25-JAN-2010 16:50:36; Dark ; 50.0; 8; 10Alp CMi ; 0.40; 6500;occ; 100; 0;41334
 5; 2189.0; 25-JAN-2010 16:53:50; Bright; 40.0; 44; 24Gam Gem ; 1.93; 11000;occ; 80; 0;41334
 6; 2296.1; 25-JAN-2010 16:55:37; Bright; 39.5; 151; 13Mu Gem ; 2.89; 3000;occ; 79; 0;41334
 7; 2412.0; 25-JAN-2010 16:57:33; Bright; 43.5; 17; 78Bet Gem ; 1.16; 4500;occ; 87; 0;41334
 8; 2677.9; 25-JAN-2010 17:01:59; Bright; 36.0; 42; 34Bet Aur ; 1.90; 10200;occ; 72; 0;41334
 9; 3426.6; 25-JAN-2010 17:14:28; Bright; 38.0; 49; 1Alp UMi ; 1.99; 6300;occ; 76; 0;41334
10; 3634.8; 25-JAN-2010 17:17:56; Bright; 43.5; 60; 7Bet UMi ; 2.08; 3950;occ; 87; 0;41334
11; 3909.7; 25-JAN-2010 17:22:31; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;41334
12; 4086.0; 25-JAN-2010 17:25:27; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;41334
13; 4474.5; 25-JAN-2010 17:31:55; Bright; 47.5; 133; 40Zet Her ; 2.81; 6000;occ; 95; 0;41334
14; 4676.7; 25-JAN-2010 17:35:18; Bright; 41.0; 127; 27Bet Her ; 2.78; 4700;occ; 82; 0;41334
15; 4773.4; 25-JAN-2010 17:36:54; Bright; 34.5; 59; 55Alp Oph ; 2.08; 8900;occ; 69; 0;41334
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
20; 6063.8; 25-JAN-2010 17:58:25; Dark ; 41.5; 78; Alp Lup ; 2.30; 28000;occ; 83; 0;41334
21; 6183.4; 25-JAN-2010 18:00:24; Dark ; 41.5; 4; Alp1Cen ; -0.01; 5800;occ; 83; 0;41334
22; 6277.3; 25-JAN-2010 18:01:58; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;41334
23; 6457.4; 25-JAN-2010 18:04:58; Dark ; 50.0; 12; Alp1Cru ; 0.77; 30000;occ; 100; 0;41334
24; 6572.7; 25-JAN-2010 18:06:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41334
25; 6713.8; 25-JAN-2010 18:09:15; Dark ; 43.0; 159; Ups Car ; 2.92; 7200;occ; 86; 0;41334
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 2; 1395.3; 25-JAN-2010 18:21:12; Dark ; 40.5; 88; 31Eta CMa ; 2.45; 20000;occ; 81; 0;41335
 3; 1501.0; 25-JAN-2010 18:22:58; Dark ; 38.0; 179; 240mi2CMa ; 3.03; 24000;occ; 76; 0;41335
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 5; 2189.2; 25-JAN-2010 18:34:26; Bright; 40.0; 44; 24Gam Gem ; 1.93; 11000;occ; 80; 0;41335
 6; 2296.3; 25-JAN-2010 18:36:13; Bright; 38.5; 151; 13Mu Gem ; 2.89; 3000;occ; 77; 0;41335
 7; 2411.7; 25-JAN-2010 18:38:09; Bright; 44.5; 17; 78Bet Gem ; 1.16; 4500;occ; 89; 0;41335
 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
10; 3909.5; 25-JAN-2010 19:03:06; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;41335
11; 4086.0; 25-JAN-2010 19:06:03; Bright; 34.5; 130; 23Bet Dra ; 2.80; 5800;occ; 69; 0;41335
12; 4474.7; 25-JAN-2010 19:12:32; Bright; 39.5; 133; 40Zet Her ; 2.81; 6000;occ; 79; 0;41335
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
21; 5976.4; 25-JAN-2010 19:37:33; Dark ; 44.5; 109; Bet Lup ; 2.68; 26000;occ; 89; 0;41335
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
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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
 3; -434.6; 26-JAN-2010 00:33:06; Dark ; 43.0; 75; 26Eps Sco ; 2.29; 4250;occ; 86; 0;41338

```

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4; -181.0; 26-JAN-2010 00:37:19; Dark ; 44.5; 131; Gam Lup ; 2.80; 26000;occ; 89; 0;41338
5; 30.6; 26-JAN-2010 00:40:51; Dark ; 47.0; 78; Alp Lup ; 2.30; 28000;occ; 94; 0;41339
6; 149.2; 26-JAN-2010 00:42:50; Dark ; 55.0; 4; Alp1Cen ; -0.01; 5800;occ; 110; 0;41339
7; 244.2; 26-JAN-2010 00:44:25; Dark ; 43.5; 77; Eps Cen ; 2.30; 28000;occ; 87; 0;41339
8; 423.2; 26-JAN-2010 00:47:24; Dark ; 42.5; 12; Alp1Cru ; 0.77; 30000;occ; 85; 0;41339
9; 540.1; 26-JAN-2010 00:49:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41339
10; 679.1; 26-JAN-2010 00:51:40; Dark ; 38.5; 159; Ups Car ; 2.92; 7200;occ; 77; 0;41339
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
14; 1183.1; 26-JAN-2010 01:00:04; Dark ; 39.5; 70; Zet Pup ; 2.25; 39000;occ; 79; 0;41339
15; 1271.1; 26-JAN-2010 01:01:32; Dark ; 43.0; 117; Pi Pup ; 2.71; 3800;occ; 86; 0;41339
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
20; 2296.4; 26-JAN-2010 01:18:37; Bright; 40.0; 151; 13Mu Gem ; 2.89; 3000;occ; 80; 0;41339
21; 2410.6; 26-JAN-2010 01:20:31; Bright; 44.5; 17; 78Bet Gem ; 1.16; 4500;occ; 89; 0;41339
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
27; 4474.9; 26-JAN-2010 01:54:55; Bright; 40.5; 133; 40Zet Her ; 2.81; 6000;occ; 81; 0;41339
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29; 4774.5; 26-JAN-2010 01:59:55; Bright; 35.5; 59; 55Alp Oph ; 2.08; 8900;occ; 71; 0;41339
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4; 2298.8; 27-JAN-2010 10:50:38; Bright; 40.5; 151; 13Mu Gem ; 2.89; 3000;occ; 81; 0;41359  
5; 2405.9; 27-JAN-2010 10:52:25; Bright; 42.5; 17; 78Bet Gem ; 1.16; 4500;occ; 85; 0;41359  
6; 3427.4; 27-JAN-2010 11:09:26; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;41359  
7; 3629.2; 27-JAN-2010 11:12:48; Bright; 44.0; 60; 7Bet UMi ; 2.08; 3950;occ; 88; 0;41359  
8; 3906.6; 27-JAN-2010 11:17:26; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;41359  
9; 4086.6; 27-JAN-2010 11:20:26; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;41359  
10; 4478.2; 27-JAN-2010 11:26:57; Bright; 39.5; 133; 40Zet Her ; 2.81; 6000;occ; 79; 0;41359  
11; 4684.0; 27-JAN-2010 11:30:23; Bright; 44.0; 127; 27Bet Her ; 2.78; 4700;occ; 88; 0;41359  
12; 4779.4; 27-JAN-2010 11:31:58; Bright; 53.0; 59; 55Alp Oph ; 2.08; 8900;occ; 106; 0;41359  
13; 4906.4; 27-JAN-2010 11:34:05; Bright; 42.5; 126; 60Bet Oph ; 2.77; 4250;occ; 85; 0;41359  
14; 5192.3; 27-JAN-2010 11:38:51; Dark ; 56.0; 120; 1Del Oph ; 2.73; 3200;occ; 112; 0;41359  
15; 5284.1; 27-JAN-2010 11:40:23; Dark ; 43.5; 86; 35Eta Oph ; 2.43; 10200;occ; 87; 0;41359  
16; 5530.5; 27-JAN-2010 11:44:30; Dark ; 55.0; 16; 21Alp Sco ; 1.02; 3000;occ; 110; 0;41359  
17; 5610.9; 27-JAN-2010 11:45:50; Dark ; 41.0; 75; 26Eps Sco ; 2.29; 4250;occ; 82; 0;41359  
18; 5870.0; 27-JAN-2010 11:50:09; Dark ; 42.0; 131; Gam Lup ; 2.80; 26000;occ; 84; 0;41359  
19; 5996.0; 27-JAN-2010 11:52:15; Dark ; 44.0; 109; Bet Lup ; 2.68; 26000;occ; 88; 0;41359  
20; 6083.5; 27-JAN-2010 11:53:43; Dark ; 42.5; 78; Alp Lup ; 2.30; 28000;occ; 85; 0;41359  
21; 6195.9; 27-JAN-2010 11:55:35; Dark ; 41.5; 4; Alp1Cen ; -0.01; 5800;occ; 83; 0;41359  
22; 6296.3; 27-JAN-2010 11:57:15; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;41359  
23; 6470.8; 27-JAN-2010 12:00:10; Dark ; 42.5; 12; Alp1Cru ; 0.77; 30000;occ; 85; 0;41359  
24; 6593.9; 27-JAN-2010 12:02:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41359  
25; 6722.5; 27-JAN-2010 12:04:22; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41359  
26; 6837.4; 27-JAN-2010 12:06:16; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;41359  
27; 6944.3; 27-JAN-2010 12:08:03; Dark ; 44.5; 46; Del Vel ; 1.95; 10600;occ; 89; 0;41359  
28; 7098.9; 27-JAN-2010 12:10:38; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;41359  
29; 7224.6; 27-JAN-2010 12:12:44; Dark ; 42.5; 70; Zet Pup ; 2.25; 39000;occ; 85; 0;41359  
30; 7495.2; 27-JAN-2010 12:17:14; Dark ; 43.0; 37; 25Del CMa ; 1.83; 5900;occ; 86; 0;41359

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20100127\_122609\_000055422086\_00224\_41360\_6133.N1

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2; 2191.2; 27-JAN-2010 12:29:26; Bright; 39.5; 44; 24Gam Gem ; 1.93; 11000;occ; 79; 0;41360  
3; 2299.4; 27-JAN-2010 12:31:14; Bright; 38.0; 151; 13Mu Gem ; 2.89; 3000;occ; 76; 0;41360  
4; 2405.6; 27-JAN-2010 12:33:00; Bright; 43.0; 17; 78Bet Gem ; 1.16; 4500;occ; 86; 0;41360  
5; 3426.9; 27-JAN-2010 12:50:02; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;41360  
6; 3629.1; 27-JAN-2010 12:53:24; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;41360  
7; 3906.7; 27-JAN-2010 12:58:02; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;41360  
8; 4086.6; 27-JAN-2010 13:01:01; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;41360  
9; 4478.2; 27-JAN-2010 13:07:33; Bright; 41.5; 133; 40Zet Her ; 2.81; 6000;occ; 83; 0;41360  
10; 4684.3; 27-JAN-2010 13:10:59; Bright; 44.5; 127; 27Bet Her ; 2.78; 4700;occ; 89; 0;41360  
11; 4779.7; 27-JAN-2010 13:12:35; Bright; 47.0; 59; 55Alp Oph ; 2.08; 8900;occ; 94; 0;41360  
12; 4906.7; 27-JAN-2010 13:14:42; Bright; 35.0; 126; 60Bet Oph ; 2.77; 4250;occ; 70; 0;41360  
13; 5193.2; 27-JAN-2010 13:19:28; Dark ; 52.0; 120; 1Del Oph ; 2.73; 3200;occ; 104; 0;41360  
14; 5284.8; 27-JAN-2010 13:21:00; Dark ; 40.0; 86; 35Eta Oph ; 2.43; 10200;occ; 80; 0;41360  
15; 5530.7; 27-JAN-2010 13:25:06; Dark ; 47.5; 16; 21Alp Sco ; 1.02; 3000;occ; 95; 0;41360  
16; 5611.3; 27-JAN-2010 13:26:26; Dark ; 41.5; 75; 26Eps Sco ; 2.29; 4250;occ; 83; 0;41360  
17; 5870.6; 27-JAN-2010 13:30:45; Dark ; 42.0; 131; Gam Lup ; 2.80; 26000;occ; 84; 0;41360  
18; 5996.9; 27-JAN-2010 13:32:52; Dark ; 43.5; 109; Bet Lup ; 2.68; 26000;occ; 87; 0;41360  
19; 6084.3; 27-JAN-2010 13:34:19; Dark ; 42.5; 78; Alp Lup ; 2.30; 28000;occ; 85; 0;41360  
20; 6196.6; 27-JAN-2010 13:36:11; Dark ; 40.5; 4; Alp1Cen ; -0.01; 5800;occ; 81; 0;41360  
21; 6297.2; 27-JAN-2010 13:37:52; Dark ; 43.5; 77; Eps Cen ; 2.30; 28000;occ; 87; 0;41360  
22; 6471.6; 27-JAN-2010 13:40:46; Dark ; 39.0; 12; Alp1Cru ; 0.77; 30000;occ; 78; 0;41360  
23; 6594.8; 27-JAN-2010 13:42:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41360  
24; 6723.1; 27-JAN-2010 13:44:58; Dark ; 39.5; 159; Ups Car ; 2.92; 7200;occ; 79; 0;41360  
25; 6837.6; 27-JAN-2010 13:46:52; Dark ; 46.0; 71; Iot Car ; 2.25; 7700;occ; 92; 0;41360  
26; 6944.6; 27-JAN-2010 13:48:39; Dark ; 44.5; 46; Del Vel ; 1.95; 10600;occ; 89; 0;41360  
27; 7099.2; 27-JAN-2010 13:51:14; Dark ; 42.0; 34; Gam2Vel ; 1.79; 23000;occ; 84; 0;41360  
28; 7224.9; 27-JAN-2010 13:53:20; Dark ; 42.5; 70; Zet Pup ; 2.25; 39000;occ; 85; 0;41360  
29; 7495.1; 27-JAN-2010 13:57:50; Dark ; 41.5; 37; 25Del CMa ; 1.83; 5900;occ; 83; 0;41360

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20100127\_135804\_000057922086\_00225\_41361\_6134.N1

1; 1473.2; 27-JAN-2010 13:58:04; Dark ; 42.0; 37; 25Del CMa ; 1.83; 5900;occ; 84; 28;41361  
2; 1993.3; 27-JAN-2010 14:06:44; Dark ; 48.0; 8; 10Alp CMi ; 0.40; 6500;occ; 96; 0;41361  
3; 2191.3; 27-JAN-2010 14:10:02; Bright; 40.5; 44; 24Gam Gem ; 1.93; 11000;occ; 81; 0;41361  
4; 2299.1; 27-JAN-2010 14:11:50; Bright; 38.5; 151; 13Mu Gem ; 2.89; 3000;occ; 77; 0;41361  
5; 2405.5; 27-JAN-2010 14:13:36; Bright; 43.0; 17; 78Bet Gem ; 1.16; 4500;occ; 86; 0;41361  
6; 3427.2; 27-JAN-2010 14:30:38; Bright; 38.0; 49; 1Alp UMi ; 1.99; 6300;occ; 76; 0;41361  
7; 3628.9; 27-JAN-2010 14:34:00; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;41361  
8; 3906.3; 27-JAN-2010 14:38:37; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;41361



9; 4086.8; 27-JAN-2010 14:41:38; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;41361  
 10; 4478.2; 27-JAN-2010 14:48:09; Bright; 59.0; 133; 40Zet Her ; 2.81; 6000;occ; 118; 0;41361  
 11; 4684.4; 27-JAN-2010 14:51:35; Bright; 46.5; 127; 27Bet Her ; 2.78; 4700;occ; 93; 0;41361  
 12; 4780.1; 27-JAN-2010 14:53:11; Bright; 53.0; 59; 55Alp Oph ; 2.08; 8900;occ; 106; 0;41361  
 13; 4907.0; 27-JAN-2010 14:55:18; Bright; 34.5; 126; 60Bet Oph ; 2.77; 4250;occ; 69; 0;41361  
 14; 5193.7; 27-JAN-2010 15:00:04; Dark ; 55.5; 120; 1Del Oph ; 2.73; 3200;occ; 111; 0;41361  
 15; 5285.2; 27-JAN-2010 15:01:36; Dark ; 41.0; 86; 35Eta Oph ; 2.43; 10200;occ; 82; 0;41361  
 16; 5531.6; 27-JAN-2010 15:05:42; Dark ; 49.0; 16; 21Alp Sco ; 1.02; 3000;occ; 98; 0;41361  
 17; 5611.7; 27-JAN-2010 15:07:02; Dark ; 45.0; 75; 26Eps Sco ; 2.29; 4250;occ; 90; 0;41361  
 18; 5871.4; 27-JAN-2010 15:11:22; Dark ; 41.5; 131; Gam Lup ; 2.80; 26000;occ; 83; 0;41361  
 19; 5997.9; 27-JAN-2010 15:13:29; Dark ; 43.5; 109; Bet Lup ; 2.68; 26000;occ; 87; 0;41361  
 20; 6085.1; 27-JAN-2010 15:14:56; Dark ; 44.0; 78; Alp Lup ; 2.30; 28000;occ; 88; 0;41361  
 21; 6197.2; 27-JAN-2010 15:16:48; Dark ; 43.5; 4; Alp1Cen ;-0.01; 5800;occ; 87; 0;41361  
 22; 6298.0; 27-JAN-2010 15:18:29; Dark ; 43.0; 77; Eps Cen ; 2.30; 28000;occ; 86; 0;41361  
 23; 6472.1; 27-JAN-2010 15:21:23; Dark ; 38.5; 12; Alp1Cru ; 0.77; 30000;occ; 77; 0;41361  
 24; 6595.8; 27-JAN-2010 15:23:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41361  
 25; 6723.2; 27-JAN-2010 15:25:34; Dark ; 45.5; 159; Ups Car ; 2.92; 7200;occ; 91; 0;41361  
 26; 6838.2; 27-JAN-2010 15:27:29; Dark ; 45.5; 71; Iot Car ; 2.25; 7700;occ; 91; 0;41361  
 27; 6945.1; 27-JAN-2010 15:29:16; Dark ; 40.0; 46; Del Vel ; 1.95; 10600;occ; 80; 0;41361  
 28; 7099.4; 27-JAN-2010 15:31:50; Dark ; 42.5; 34; Gam2Vel ; 1.79; 23000;occ; 85; 0;41361  
 29; 7225.3; 27-JAN-2010 15:33:56; Dark ; 40.5; 70; Zet Pup ; 2.25; 39000;occ; 81; 0;41361

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20100127\_153827\_000056822086\_00226\_41362\_6135.N1

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 2; 1993.2; 27-JAN-2010 15:47:20; Dark ; 47.5; 8; 10Alp CMi ; 0.40; 6500;occ; 95; 0;41362  
 3; 2191.4; 27-JAN-2010 15:50:38; Bright; 40.0; 44; 24Gam Gem ; 1.93; 11000;occ; 80; 0;41362  
 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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 3; 1459.5; 27-JAN-2010 17:19:02; Dark ; 40.0; 37; 25Del CMa ; 1.83; 5900;occ; 80; 0;41363  
 4; 1993.2; 27-JAN-2010 17:27:56; Dark ; 51.0; 8; 10Alp CMi ; 0.40; 6500;occ; 102; 0;41363  
 5; 2191.3; 27-JAN-2010 17:31:14; Bright; 40.0; 44; 24Gam Gem ; 1.93; 11000;occ; 80; 0;41363  
 6; 2299.4; 27-JAN-2010 17:33:02; Bright; 40.5; 151; 13Mu Gem ; 2.89; 3000;occ; 81; 0;41363  
 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  
 20; 5999.9; 27-JAN-2010 18:34:43; Dark ; 43.5; 109; Bet Lup ; 2.68; 26000;occ; 87; 0;41363  
 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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 3; 1460.0; 27-JAN-2010 18:59:39; Dark ; 42.0; 37; 25Del CMa ; 1.83; 5900;occ; 84; 0;41364  
 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  
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 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  
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 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  
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 17; 5613.1; 27-JAN-2010 20:08:52; Dark ; 44.0; 75; 26Eps Sco ; 2.29; 4250;occ; 88; 0;41364  
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 27; 6945.7; 27-JAN-2010 20:31:04; Dark ; 38.0; 46; Del Vel ; 1.95; 10600;occ; 76; 0;41364

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 28; 4908.9; 28-JAN-2010 02:39:31; Bright; 35.0; 126; 60Bet Oph ; 2.77; 4250;occ; 70; 0;41368

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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
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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
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6; 693.5; 28-JAN-2010 21:36:27; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41380
7; 808.4; 28-JAN-2010 21:38:22; Dark ; 43.0; 71; Iot Car ; 2.25; 7700;occ; 86; 0;41380
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/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20100129\_050824\_000060282086\_00248\_41384\_9405.N1

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24; 2337.7; 29-JAN-2010 06:26:51; Bright; 52.0; 170; 27Eps Gem ; 3.00; 9700;occ; 104; 0;41385
25; 2461.4; 29-JAN-2010 06:28:54; Bright; 41.0; 24; 66Alp Gem ; 1.58; 10200;occ; 82; 0;41385
26; 3427.2; 29-JAN-2010 06:45:00; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;41385
27; 3623.0; 29-JAN-2010 06:48:16; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;41385

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/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20100131\_011118\_000092612086\_00274\_41410\_9415.N1

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5; 97.1; 31-JAN-2010 01:25:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41411
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9; 580.2; 31-JAN-2010 01:33:07; Dark ; 45.5; 99; Del Cen ; 2.58; 26000;occ; 91; 0;41411
10; 704.0; 31-JAN-2010 01:35:11; Dark ; 37.5; 159; Ups Car ; 2.92; 7200;occ; 75; 0;41411
11; 818.9; 31-JAN-2010 01:37:06; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;41411
12; 924.3; 31-JAN-2010 01:38:51; Dark ; 39.5; 46; Del Vel ; 1.95; 10600;occ; 79; 0;41411
13; 1076.4; 31-JAN-2010 01:41:23; Dark ; 40.0; 34; Gam2Vel ; 1.79; 23000;occ; 80; 0;41411
14; 1201.7; 31-JAN-2010 01:43:29; Dark ; 41.5; 70; Zet Pup ; 2.25; 39000;occ; 83; 0;41411
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18; 2457.8; 31-JAN-2010 02:04:25; Bright; 40.0; 24; 66Alp Gem ; 1.58; 10200;occ; 80; 0;41411
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21; 3898.6; 31-JAN-2010 02:28:26; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;41411
22; 4087.4; 31-JAN-2010 02:31:34; Bright; 36.5; 130; 23Bet Dra ; 2.80; 5800;occ; 73; 0;41411

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 27; 5307.7; 31-JAN-2010 02:51:55; Dark ; 41.0; 86; 35Eta Oph ; 2.43; 10200;occ; 82; 0;41411  
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 38; 6960.8; 31-JAN-2010 03:19:28; Dark ; 41.5; 46; Del Vel ; 1.95; 10600;occ; 83; 0;41411  
 39; 7112.6; 31-JAN-2010 03:22:00; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;41411  
 40; 7237.9; 31-JAN-2010 03:24:05; Dark ; 40.5; 70; Zet Pup ; 2.25; 39000;occ; 81; 0;41411  
 41; 7500.9; 31-JAN-2010 03:28:28; Dark ; 42.5; 132; 15Rho Pup ; 2.80; 6900;occ; 85; 0;41411  
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/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20100131\_040111\_000062662086\_00276\_41412\_9416.N1

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/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20100131\_054937\_000057922086\_00277\_41413\_9417.N1

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/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20100131\_200345\_000041552086\_00286\_41422\_9418.N1

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/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20100131\_211835\_000060522086\_00286\_41422\_9419.N1

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 5; 15.4; 31-JAN-2010 21:30:54; Dark ; 45.0; 109; Bet Lup ; 2.68; 26000;occ; 90; 0;41423  
 6; 105.5; 31-JAN-2010 21:32:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41423  
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 11; 708.2; 31-JAN-2010 21:42:26; Dark ; 39.0; 159; Ups Car ; 2.92; 7200;occ; 78; 0;41423  
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/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20100131\_225911\_000060762086\_00287\_41423\_9420.N1

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23; 4916.6; 29-JAN-2010 23:55:49; Bright; 53.0; 126; 60Bet Oph ; 2.77; 4250;occ; 106; 0;41395

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 25; 7232.0; 29-JAN-2010 12:50:13; Dark ; 41.0; 70; Zet Pup ; 2.25; 39000;occ; 82; 0;41388  
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 7; 3902.4; 29-JAN-2010 13:35:19; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;41389  
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 9; 4299.7; 29-JAN-2010 13:41:56; Bright; 46.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 92; 0;41389  
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