

# GOMOS Daily Report 24-JAN-2010

## Level 0 and Level 1 products

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

Item	Value
Time of report generation	26JAN2010 04:34:21
Data source version	GOMOS/5.00L04
Start time of products	24JAN2010 00:01:38
Stop time of products	24JAN2010 23:56:21
Store outputs in DB	Yes
Nb of level 1b prods	100
Nb of prods with errors	0

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

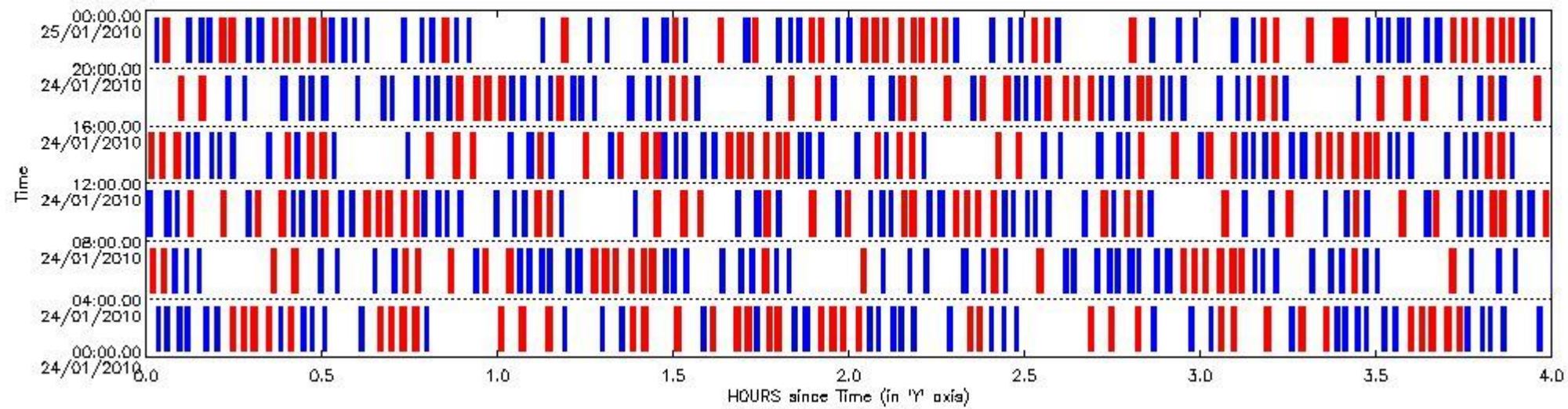
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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
24-JAN-2010 00:14:13	UpsCar	159	41310
24-JAN-2010 00:16:07	IotCar	71	41310
24-JAN-2010 00:17:56	DelVel	46	41310
24-JAN-2010 00:20:33	Gam2Vel	34	41310
24-JAN-2010 00:24:10	PIPup	117	41310
24-JAN-2010 00:39:32	24GamGem	44	41310
24-JAN-2010 00:41:18	13MuGem	151	41310
24-JAN-2010 00:43:23	78BetGem	17	41310
24-JAN-2010 00:45:32	37TheAur	107	41310
24-JAN-2010 01:00:11	1AlpUMi	49	41310
24-JAN-2010 01:03:44	7BetUMi	60	41310
24-JAN-2010 01:08:17	14EtaDra	119	41310
24-JAN-2010 01:22:32	55AlpOph	59	41310
24-JAN-2010 01:24:38	60BetOph	126	41310
24-JAN-2010 01:30:17	13ZetOph	98	41310

24-JAN-2010 01:36:14	26EpsSco	75	41310
24-JAN-2010 01:40:20	GamLup	131	41310
24-JAN-2010 01:42:20	BetLup	109	41310
24-JAN-2010 01:45:55	Alp1Cen	4	41311
24-JAN-2010 01:47:23	EpsCen	77	41311
24-JAN-2010 01:54:49	UpsCar	159	41311
24-JAN-2010 01:56:44	lotCar	71	41311
24-JAN-2010 01:58:32	DelVel	46	41311
24-JAN-2010 02:01:09	Gam2Vel	34	41311
24-JAN-2010 02:20:08	24GamGem	44	41311
24-JAN-2010 02:21:54	13MuGem	151	41311
24-JAN-2010 02:40:47	1AlpUMi	49	41311
24-JAN-2010 02:44:20	7BetUMi	60	41311
24-JAN-2010 02:48:53	14EtaDra	119	41311
24-JAN-2010 03:03:08	55AlpOph	59	41311
24-JAN-2010 03:05:15	60BetOph	126	41311
24-JAN-2010 03:10:53	13ZetOph	98	41311
24-JAN-2010 03:16:50	26EpsSco	75	41311
24-JAN-2010 03:20:57	GamLup	131	41311
24-JAN-2010 03:35:26	UpsCar	159	41312
24-JAN-2010 03:37:20	lotCar	71	41312
24-JAN-2010 03:39:08	DelVel	46	41312
24-JAN-2010 03:41:45	Gam2Vel	34	41312
24-JAN-2010 03:43:52	ZetPup	70	41312
24-JAN-2010 04:00:44	24GamGem	44	41312
24-JAN-2010 04:02:30	13MuGem	151	41312
24-JAN-2010 04:21:23	1AlpUMi	49	41312
24-JAN-2010 04:24:56	7BetUMi	60	41312
24-JAN-2010 04:43:44	55AlpOph	59	41312
24-JAN-2010 04:45:51	60BetOph	126	41312
24-JAN-2010 04:51:30	13ZetOph	98	41312
24-JAN-2010 04:57:27	26EpsSco	75	41312
24-JAN-2010 05:01:33	GamLup	131	41312
24-JAN-2010 05:16:02	UpsCar	159	41313
24-JAN-2010 05:17:56	lotCar	71	41313
24-JAN-2010 05:19:45	DelVel	46	41313
24-JAN-2010 05:22:22	Gam2Vel	34	41313
24-JAN-2010 05:24:28	ZetPup	70	41313
24-JAN-2010 05:25:58	PiPup	117	41313
24-JAN-2010 05:45:10	78BetGem	17	41313
24-JAN-2010 06:01:58	1AlpUMi	49	41313
24-JAN-2010 06:24:20	55AlpOph	59	41313
24-JAN-2010 06:32:06	13ZetOph	98	41313
24-JAN-2010 06:56:38	UpsCar	159	41314
24-JAN-2010 06:58:32	lotCar	71	41314
24-JAN-2010 07:00:21	DelVel	46	41314
24-JAN-2010 07:02:58	Gam2Vel	34	41314
24-JAN-2010 07:05:04	ZetPup	70	41314
24-JAN-2010 07:06:34	PiPup	117	41314
24-JAN-2010 07:25:46	78BetGem	17	41314
24-JAN-2010 07:42:34	1AlpUMi	49	41314
24-JAN-2010 08:07:03	60BetOph	126	41314
24-JAN-2010 08:12:42	13ZetOph	98	41314
24-JAN-2010 08:18:39	26EpsSco	75	41314
24-JAN-2010 08:22:46	GamLup	131	41314
24-JAN-2010 08:29:50	EpsCen	77	41315
24-JAN-2010 08:37:14	UpsCar	159	41315
24-JAN-2010 08:39:09	lotCar	71	41315
24-JAN-2010 08:40:57	DelVel	46	41315

24-JAN-2010 08:43:34	Gam2Vel	34	41315
24-JAN-2010 08:45:40	ZetPup	70	41315
24-JAN-2010 09:06:21	78BetGem	17	41315
24-JAN-2010 09:08:32	37TheAur	107	41315
24-JAN-2010 09:26:43	7BetUMi	60	41315
24-JAN-2010 09:31:16	14EtaDra	119	41315
24-JAN-2010 09:34:09	23BetDra	130	41315
24-JAN-2010 09:45:33	55AlpOph	59	41315
24-JAN-2010 09:53:19	13ZetOph	98	41315
24-JAN-2010 09:59:16	26EpsSco	75	41315
24-JAN-2010 10:08:57	Alp1Cen	4	41316
24-JAN-2010 10:10:27	EpsCen	77	41316
24-JAN-2010 10:17:51	UpsCar	159	41316
24-JAN-2010 10:19:45	lotCar	71	41316
24-JAN-2010 10:21:34	DelVel	46	41316
24-JAN-2010 10:24:10	Gam2Vel	34	41316
24-JAN-2010 10:43:08	24GamGem	44	41316
24-JAN-2010 10:46:57	78BetGem	17	41316
24-JAN-2010 10:49:08	37TheAur	107	41316
24-JAN-2010 11:03:46	1AlpUMi	49	41316
24-JAN-2010 11:14:45	23BetDra	130	41316
24-JAN-2010 11:26:09	55AlpOph	59	41316
24-JAN-2010 11:33:55	13ZetOph	98	41316
24-JAN-2010 11:39:52	26EpsSco	75	41316
24-JAN-2010 11:49:34	Alp1Cen	4	41317
24-JAN-2010 11:51:03	EpsCen	77	41317
24-JAN-2010 11:58:27	UpsCar	159	41317
24-JAN-2010 12:00:21	lotCar	71	41317
24-JAN-2010 12:02:10	DelVel	46	41317
24-JAN-2010 12:04:46	Gam2Vel	34	41317
24-JAN-2010 12:23:44	24GamGem	44	41317
24-JAN-2010 12:27:33	78BetGem	17	41317
24-JAN-2010 12:29:44	37TheAur	107	41317
24-JAN-2010 12:47:54	7BetUMi	60	41317
24-JAN-2010 12:52:28	14EtaDra	119	41317
24-JAN-2010 12:55:21	23BetDra	130	41317
24-JAN-2010 13:06:45	55AlpOph	59	41317
24-JAN-2010 13:14:32	13ZetOph	98	41317
24-JAN-2010 13:20:28	26EpsSco	75	41317
24-JAN-2010 13:24:36	GamLup	131	41317
24-JAN-2010 13:26:37	BetLup	109	41317
24-JAN-2010 13:39:03	UpsCar	159	41318
24-JAN-2010 13:40:58	lotCar	71	41318
24-JAN-2010 13:42:46	DelVel	46	41318
24-JAN-2010 13:45:23	Gam2Vel	34	41318
24-JAN-2010 13:47:29	ZetPup	70	41318
24-JAN-2010 13:48:59	PiPup	117	41318
24-JAN-2010 14:04:20	24GamGem	44	41318
24-JAN-2010 14:08:08	78BetGem	17	41318
24-JAN-2010 14:10:20	37TheAur	107	41318
24-JAN-2010 14:24:58	1AlpUMi	49	41318
24-JAN-2010 14:28:30	7BetUMi	60	41318
24-JAN-2010 14:49:28	60BetOph	126	41318
24-JAN-2010 14:55:08	13ZetOph	98	41318
24-JAN-2010 15:01:05	26EpsSco	75	41318
24-JAN-2010 15:05:13	GamLup	131	41318
24-JAN-2010 15:12:17	EpsCen	77	41319
24-JAN-2010 15:19:40	UpsCar	159	41319
24-JAN-2010 15:21:34	lotCar	71	41319

24-JAN-2010 15:23:22	DeIVel	46	41319
24-JAN-2010 15:25:59	Gam2Vel	34	41319
24-JAN-2010 15:28:05	ZetPup	70	41319
24-JAN-2010 15:29:35	PiPup	117	41319
24-JAN-2010 15:48:44	78BetGem	17	41319
24-JAN-2010 15:50:56	37TheAur	107	41319
24-JAN-2010 16:05:34	1AlpUMi	49	41319
24-JAN-2010 16:09:06	7BetUMi	60	41319
24-JAN-2010 16:52:53	EpsCen	77	41320
24-JAN-2010 16:55:57	Alp1Cru	12	41320
24-JAN-2010 16:57:47	DSA1053	0	41320
24-JAN-2010 17:00:16	UpsCar	159	41320
24-JAN-2010 17:10:11	PiPup	117	41320
24-JAN-2010 17:29:20	78BetGem	17	41320
24-JAN-2010 17:31:32	37TheAur	107	41320
24-JAN-2010 17:49:41	7BetUMi	60	41320
24-JAN-2010 17:54:15	14EtaDra	119	41320
24-JAN-2010 18:08:34	55AlpOph	59	41320
24-JAN-2010 18:10:40	60BetOph	126	41320
24-JAN-2010 18:16:21	13ZetOph	98	41320
24-JAN-2010 18:22:17	26EpsSco	75	41320
24-JAN-2010 18:26:26	GamLup	131	41320
24-JAN-2010 18:33:30	EpsCen	77	41321
24-JAN-2010 18:36:33	Alp1Cru	12	41321
24-JAN-2010 18:38:24	DSA1053	0	41321
24-JAN-2010 18:40:52	UpsCar	159	41321
24-JAN-2010 18:49:18	ZetPup	70	41321
24-JAN-2010 18:50:47	PiPup	117	41321
24-JAN-2010 19:09:55	78BetGem	17	41321
24-JAN-2010 19:12:08	37TheAur	107	41321
24-JAN-2010 19:30:17	7BetUMi	60	41321
24-JAN-2010 19:34:51	14EtaDra	119	41321
24-JAN-2010 19:37:45	23BetDra	130	41321
24-JAN-2010 19:49:10	55AlpOph	59	41321
24-JAN-2010 19:56:58	13ZetOph	98	41321
24-JAN-2010 20:02:54	26EpsSco	75	41321
24-JAN-2010 20:12:36	Alp1Cen	4	41322
24-JAN-2010 20:14:07	EpsCen	77	41322
24-JAN-2010 20:21:29	UpsCar	159	41322
24-JAN-2010 20:23:23	IotCar	71	41322
24-JAN-2010 20:25:11	DeIVel	46	41322
24-JAN-2010 20:27:48	Gam2Vel	34	41322
24-JAN-2010 20:29:54	ZetPup	70	41322
24-JAN-2010 20:50:31	78BetGem	17	41322
24-JAN-2010 21:10:53	7BetUMi	60	41322
24-JAN-2010 21:29:46	55AlpOph	59	41322
24-JAN-2010 21:37:34	13ZetOph	98	41322
24-JAN-2010 21:43:30	26EpsSco	75	41322
24-JAN-2010 21:53:12	Alp1Cen	4	41323
24-JAN-2010 21:54:43	EpsCen	77	41323
24-JAN-2010 22:02:05	UpsCar	159	41323
24-JAN-2010 22:03:59	IotCar	71	41323
24-JAN-2010 22:05:48	DeIVel	46	41323
24-JAN-2010 22:08:24	Gam2Vel	34	41323
24-JAN-2010 22:10:30	ZetPup	70	41323
24-JAN-2010 22:11:59	PiPup	117	41323
24-JAN-2010 22:14:04	31EtaCMa	88	41323
24-JAN-2010 22:15:50	24Omi2CMa	179	41323
24-JAN-2010 22:31:07	78BetGem	17	41323



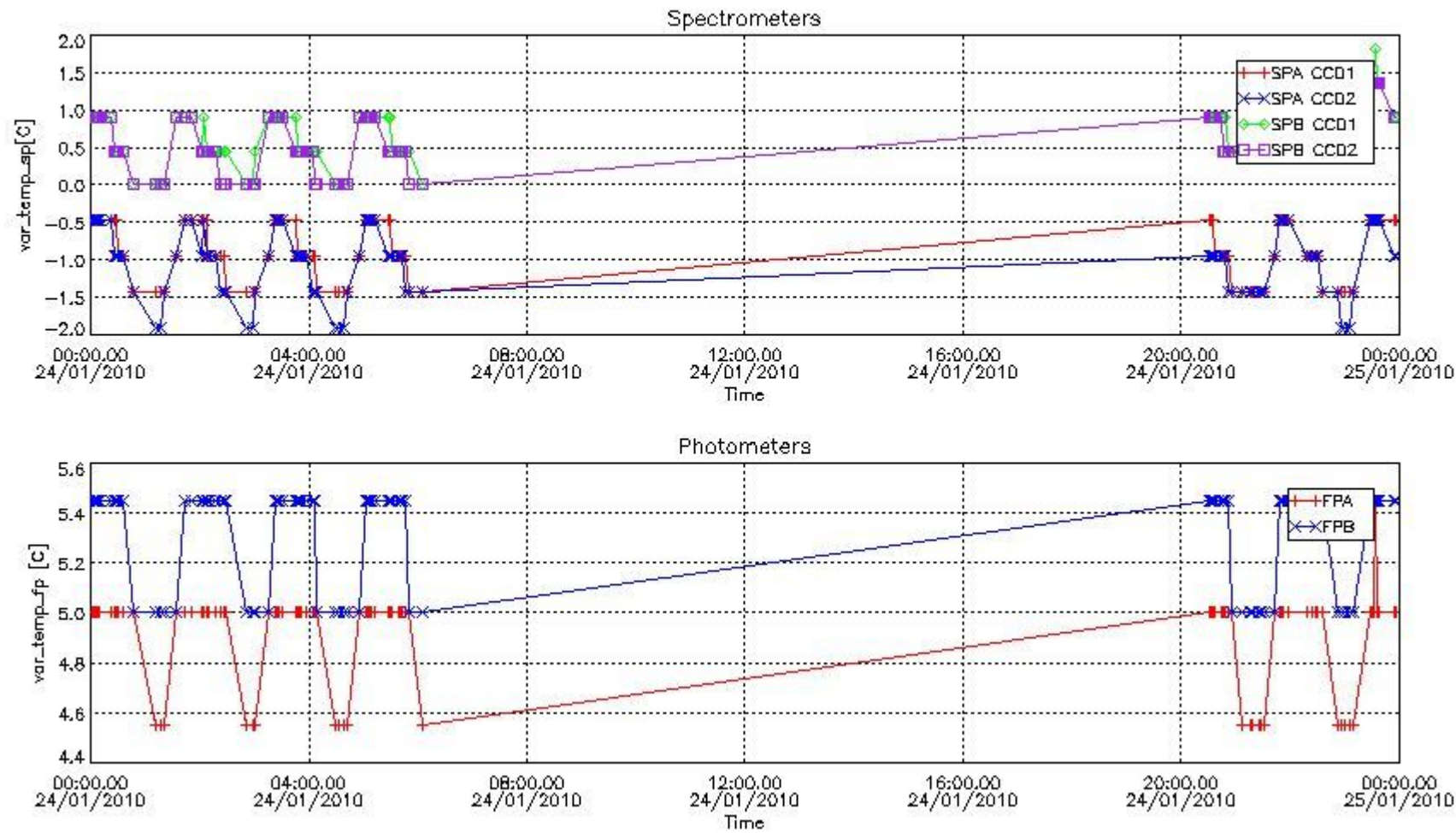
24-JAN-2010 22:33:20	37TheAur	107	41323
24-JAN-2010 22:47:58	1AlpUMi	49	41323
24-JAN-2010 23:10:22	55AlpOph	59	41323
24-JAN-2010 23:12:29	60BetOph	126	41323
24-JAN-2010 23:18:10	13ZetOph	98	41323
24-JAN-2010 23:22:41	21AlpSco	16	41323
24-JAN-2010 23:24:06	26EpsSco	75	41323
24-JAN-2010 23:42:41	UpsCar	159	41324
24-JAN-2010 23:44:35	lotCar	71	41324
24-JAN-2010 23:46:24	DelVel	46	41324
24-JAN-2010 23:49:00	Gam2Vel	34	41324
24-JAN-2010 23:51:06	ZetPup	70	41324
24-JAN-2010 23:52:36	PiPup	117	41324

## 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_1PNPDE20100124_000138_000000422086_00173_41309_6345.N1	24-JAN-2010 00:01:38	Dark	41.500	109	Bet Lup	2.6770	26000.	83	41309	No
2	GOM_TRA_1PNPDE20100124_000307_000000432086_00174_41310_6346.N1	24-JAN-2010 00:03:07	Dark	43.000	78	Alp Lup	2.3040	28000.	86	41310	No
3	GOM_TRA_1PNPDE20100124_000513_000000552086_00174_41310_6347.N1	24-JAN-2010 00:05:13	Dark	55.000	4	Alp1Cen	-0.010000	5800.0	110	41310	No
4	GOM_TRA_1PNPDE20100124_000641_000000422086_00174_41310_6348.N1	24-JAN-2010 00:06:41	Dark	41.500	77	Eps Cen	2.3030	28000.	83	41310	No
5	GOM_TRA_1PNPDE20100124_000946_000000452086_00174_41310_6349.N1	24-JAN-2010 00:09:46	Dark	45.000	12	Alp1Cru	0.77500	30000.	90	41310	No
6	GOM_TRA_1PNPDE20100124_002234_000000422086_00174_41310_6350.N1	24-JAN-2010 00:22:34	Straylight	41.500	70	Zet Pup	2.2460	39000.	83	41310	No
7	GOM_TRA_1PNPDE20100124_002632_000000412086_00174_41310_6351.N1	24-JAN-2010 00:26:32	Straylight	41.000	23	21Eps CMa	1.5020	26000.	82	41310	No
8	GOM_TRA_1PNPDE20100124_002756_000000402086_00174_41310_6352.N1	24-JAN-2010 00:27:56	Straylight	39.500	179	24Omi2CMa	3.0320	24000.	79	41310	No
9	GOM_TRA_1PNPDE20100124_003005_000000432086_00174_41310_6353.N1	24-JAN-2010 00:30:05	Straylight	43.000	1	9Alp CMa	-1.4400	11000.	86	41310	No
10	GOM_TRA_1PNPDE20100124_003615_000000492086_00174_41310_6354.N1	24-JAN-2010 00:36:15	Twilight	48.500	8	10Alp CMi	0.40000	6500.0	97	41310	No
11	GOM_TRA_1PNPDE20100124_004734_000000372086_00174_41310_6355.N1	24-JAN-2010 00:47:34	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	41310	No
12	GOM_TRA_1PNPDE20100124_011104_000000342086_00174_41310_6356.N1	24-JAN-2010 01:11:04	Bright	33.500	130	23Bet Dra	2.7990	5800.0	67	41310	No
13	GOM_TRA_1PNPDE20100124_011730_000000392086_00174_41310_6357.N1	24-JAN-2010 01:17:30	Bright	38.500	133	40Zet Her	2.8070	6000.0	77	41310	No
14	GOM_TRA_1PNPDE20100124_012049_000000452086_00174_41310_6358.N1	24-JAN-2010 01:20:49	Bright	44.500	127	27Bet Her	2.7810	4700.0	89	41310	No
15	GOM_TRA_1PNPDE20100124_013441_000000482086_00174_41310_6360.N1	24-JAN-2010 01:34:41	Twilight	47.500	16	21Alp Sco	1.0200	3000.0	95	41310	No
16	GOM_TRA_1PNPDE20100124_014344_000000482086_00175_41311_6361.N1	24-JAN-2010 01:43:44	Dark	47.500	78	Alp Lup	2.3040	28000.	95	41311	No
17	GOM_TRA_1PNPDE20100124_015023_000000412086_00175_41311_6362.N1	24-JAN-2010 01:50:23	Dark	40.500	12	Alp1Cru	0.77500	30000.	81	41311	No
18	GOM_TRA_1PNPDE20100124_020310_000000432086_00175_41311_6363.N1	24-JAN-2010 02:03:10	Straylight	42.500	70	Zet Pup	2.2460	39000.	85	41311	No
19	GOM_TRA_1PNPDE20100124_020440_000000432086_00175_41311_6364.N1	24-JAN-2010 02:04:40	Straylight	43.000	117	Pi Pup	2.7060	3800.0	86	41311	No
20	GOM_TRA_1PNPDE20100124_020708_000000422086_00175_41311_6365.N1	24-JAN-2010 02:07:08	Straylight	42.000	23	21Eps CMa	1.5020	26000.	84	41311	No
21	GOM_TRA_1PNPDE20100124_020832_000000402086_00175_41311_6366.N1	24-JAN-2010 02:08:32	Straylight	39.500	179	24Omi2CMa	3.0320	24000.	79	41311	No
22	GOM_TRA_1PNPDE20100124_021041_000000442086_00175_41311_6367.N1	24-JAN-2010 02:10:41	Straylight	43.500	1	9Alp CMa	-1.4400	11000.	87	41311	No
23	GOM_TRA_1PNPDE20100124_021651_000000492086_00175_41311_6368.N1	24-JAN-2010 02:16:51	Twilight	49.000	8	10Alp CMi	0.40000	6500.0	98	41311	No
24	GOM_TRA_1PNPDE20100124_022353_000000452086_00175_41311_6369.N1	24-JAN-2010 02:23:53	Bright	44.500	17	78Bet Gem	1.1610	4500.0	89	41311	No
25	GOM_TRA_1PNPDE20100124_022602_000000382086_00175_41311_6370.N1	24-JAN-2010 02:26:02	Bright	37.500	107	37The Aur	2.6490	11000.	75	41311	No
26	GOM_TRA_1PNPDE20100124_022810_000000382086_00175_41311_6371.N1	24-JAN-2010 02:28:10	Bright	38.000	42	34Bet Aur	1.9000	10200.	76	41311	No
27	GOM_TRA_1PNPDE20100124_025140_000000382086_00175_41311_6383.N1	24-JAN-2010 02:51:40	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	41311	No
28	GOM_TRA_1PNPDE20100124_025806_000000392086_00175_41311_6384.N1	24-JAN-2010 02:58:06	Bright	38.500	133	40Zet Her	2.8070	6000.0	77	41311	No
29	GOM_TRA_1PNPDE20100124_030125_000000432086_00175_41311_6385.N1	24-JAN-2010 03:01:25	Bright	42.500	127	27Bet Her	2.7810	4700.0	85	41311	No
30	GOM_TRA_1PNPDE20100124_031518_000000472086_00175_41311_6386.N1	24-JAN-2010 03:15:18	Twilight	47.000	16	21Alp Sco	1.0200	3000.0	94	41311	No
31	GOM_TRA_1PNPDE20100124_032252_000000472086_00175_41311_6387.N1	24-JAN-2010 03:22:52	Dark	46.500	109	Bet Lup	2.6770	26000.	93	41311	No
32	GOM_TRA_1PNPDE20100124_032421_000000442086_00176_41312_6388.N1	24-JAN-2010 03:24:21	Dark	44.000	78	Alp Lup	2.3040	28000.	88	41312	No
33	GOM_TRA_1PNPDE20100124_032626_000000422086_00176_41312_6389.N1	24-JAN-2010 03:26:26	Dark	41.500	4	Alp1Cen	-0.010000	5800.0	83	41312	No
34	GOM_TRA_1PNPDE20100124_032754_000000422086_00176_41312_6390.N1	24-JAN-2010 03:27:54	Dark	42.000	77	Eps Cen	2.3030	28000.	84	41312	No
35	GOM_TRA_1PNPDE20100124_033059_000000412086_00176_41312_6391.N1	24-JAN-2010 03:30:59	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	41312	No
36	GOM_TRA_1PNPDE20100124_034516_000000412086_00176_41312_6392.N1	24-JAN-2010 03:45:16	Straylight	40.500	117	Pi Pup	2.7060	3800.0	81	41312	No
37	GOM_TRA_1PNPDE20100124_034745_000000422086_00176_41312_6393.N1	24-JAN-2010 03:47:45	Straylight	42.000	23	21Eps CMa	1.5020	26000.	84	41312	No
38	GOM_TRA_1PNPDE20100124_034908_000000412086_00176_41312_6394.N1	24-JAN-2010 03:49:08	Straylight	40.500	179	24Omi2CMa	3.0320	24000.	81	41312	No
39	GOM_TRA_1PNPDE20100124_035118_000000442086_00176_41312_6395.N1	24-JAN-2010 03:51:18	Straylight	43.500	1	9Alp CMa	-1.4400	11000.	87	41312	No
40	GOM_TRA_1PNPDE20100124_035727_000000492086_00176_41312_6396.N1	24-JAN-2010 03:57:27	Twilight	48.500	8	10Alp CMi	0.40000	6500.0	97	41312	No
41	GOM_TRA_1PNPDE20100124_040429_000000442086_00176_41312_6397.N1	24-JAN-2010 04:04:29	Bright	44.000	17	78Bet Gem	1.1610	4500.0	88	41312	No

42	GOM_TRA_1PNPDE20100124_040638_000000362086_00176_41312_6398.N1	24-JAN-2010 04:06:38	Bright	36.000	107	37The Aur	2.6490	11000.	72	41312	No
43	GOM_TRA_1PNPDE20100124_040846_000000372086_00176_41312_6399.N1	24-JAN-2010 04:08:46	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	41312	No
44	GOM_TRA_1PNPDE20100124_042923_000000402086_00176_41312_6405.N1	24-JAN-2010 04:29:23	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	41312	No
45	GOM_TRA_1PNPDE20100124_043216_000000362086_00176_41312_6406.N1	24-JAN-2010 04:32:16	Bright	35.500	130	23Bet Dra	2.7990	5800.0	71	41312	No
46	GOM_TRA_1PNPDE20100124_043842_000000402086_00176_41312_6407.N1	24-JAN-2010 04:38:42	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	41312	No
47	GOM_TRA_1PNPDE20100124_044201_000000502086_00176_41312_6408.N1	24-JAN-2010 04:42:01	Bright	50.000	127	27Bet Her	2.7810	4700.0	100	41312	No
48	GOM_TRA_1PNPDE20100124_045554_000000512086_00176_41312_6409.N1	24-JAN-2010 04:55:54	Twilight	51.000	16	21Alp Sco	1.0200	3000.0	102	41312	No
49	GOM_TRA_1PNPDE20100124_050328_000000422086_00176_41312_6410.N1	24-JAN-2010 05:03:28	Dark	41.500	109	Bet Lup	2.6770	26000.	83	41312	No
50	GOM_TRA_1PNPDE20100124_050457_000000452086_00177_41313_6411.N1	24-JAN-2010 05:04:57	Dark	44.500	78	Alp Lup	2.3040	28000.	89	41313	No
51	GOM_TRA_1PNPDE20100124_050703_000000552086_00177_41313_6412.N1	24-JAN-2010 05:07:03	Dark	55.000	4	Alp1Cen	-0.010000	5800.0	110	41313	No
52	GOM_TRA_1PNPDE20100124_050831_000000432086_00177_41313_6413.N1	24-JAN-2010 05:08:31	Dark	43.000	77	Eps Cen	2.3030	28000.	86	41313	No
53	GOM_TRA_1PNPDE20100124_051136_000000522086_00177_41313_6414.N1	24-JAN-2010 05:11:36	Dark	52.000	12	Alp1Cru	0.77500	30000.	104	41313	No
54	GOM_TRA_1PNPDE20100124_052821_000000412086_00177_41313_6415.N1	24-JAN-2010 05:28:21	Straylight	40.500	23	21Eps CMa	1.5020	26000.	81	41313	No
55	GOM_TRA_1PNPDE20100124_052944_000000402086_00177_41313_6416.N1	24-JAN-2010 05:29:44	Straylight	39.500	179	24Omi2CMa	3.0320	24000.	79	41313	No
56	GOM_TRA_1PNPDE20100124_053154_000000442086_00177_41313_6417.N1	24-JAN-2010 05:31:54	Straylight	43.500	1	9Alp CMa	-1.4400	11000.	87	41313	No
57	GOM_TRA_1PNPDE20100124_053803_000000462086_00177_41313_6418.N1	24-JAN-2010 05:38:03	Twilight	45.500	8	10Alp CMi	0.40000	6500.0	91	41313	No
58	GOM_TRA_1PNPDE20100124_054114_000000412086_00177_41313_6419.N1	24-JAN-2010 05:41:14	Bright	41.000	44	24Gam Gem	1.9280	11000.	82	41313	No
59	GOM_TRA_1PNPDE20100124_054301_000000522086_00177_41313_6420.N1	24-JAN-2010 05:43:01	Bright	52.000	151	13Mu Gem	2.8900	3000.0	104	41313	No
60	GOM_TRA_1PNPDE20100124_054714_000000362086_00177_41313_6421.N1	24-JAN-2010 05:47:14	Bright	35.500	107	37The Aur	2.6490	11000.	71	41313	No
61	GOM_TRA_1PNPDE20100124_054923_000000352086_00177_41313_6422.N1	24-JAN-2010 05:49:23	Bright	35.000	42	34Bet Aur	1.9000	10200.	70	41313	No
62	GOM_TRA_1PNPDE20100124_060526_000000242086_00177_41313_6423.N1	24-JAN-2010 06:05:26	Twilight	23.500	60	7Bet UMi	2.0810	3950.0	47	41313	No
63	GOM_TRA_1PNPDE20100124_203117_000000432086_00186_41322_6494.N1	24-JAN-2010 20:31:17	Straylight	42.500	117	Pi Pup	2.7060	3800.0	85	41322	No
64	GOM_TRA_1PNPDE20100124_203322_000000422086_00186_41322_6495.N1	24-JAN-2010 20:33:22	Straylight	42.000	88	31Eta CMa	2.4480	20000.	84	41322	No
65	GOM_TRA_1PNPDE20100124_203509_000000372086_00186_41322_6496.N1	24-JAN-2010 20:35:09	Straylight	36.500	179	24Omi2CMa	3.0320	24000.	73	41322	No
66	GOM_TRA_1PNPDE20100124_203719_000000432086_00186_41322_6497.N1	24-JAN-2010 20:37:19	Straylight	42.500	1	9Alp CMa	-1.4400	11000.	85	41322	No
67	GOM_TRA_1PNPDE20100124_204325_000000502086_00186_41322_6498.N1	24-JAN-2010 20:43:25	Twilight	50.000	8	10Alp CMi	0.40000	6500.0	100	41322	No
68	GOM_TRA_1PNPDE20100124_204638_000000402086_00186_41322_6499.N1	24-JAN-2010 20:46:38	Bright	40.000	44	24Gam Gem	1.9280	11000.	80	41322	No
69	GOM_TRA_1PNPDE20100124_204825_000000412086_00186_41322_6500.N1	24-JAN-2010 20:48:25	Bright	40.500	151	13Mu Gem	2.8900	3000.0	81	41322	No
70	GOM_TRA_1PNPDE20100124_205239_000000362086_00186_41322_6501.N1	24-JAN-2010 20:52:39	Bright	35.500	107	37The Aur	2.6490	11000.	71	41322	No
71	GOM_TRA_1PNPDE20100124_205447_000000382086_00186_41322_6502.N1	24-JAN-2010 20:54:47	Bright	37.500	42	34Bet Aur	1.9000	10200.	75	41322	No
72	GOM_TRA_1PNPDE20100124_210716_000000352086_00186_41322_6503.N1	24-JAN-2010 21:07:16	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	41322	No
73	GOM_TRA_1PNPDE20100124_211521_000000412086_00186_41322_6504.N1	24-JAN-2010 21:15:21	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	41322	No
74	GOM_TRA_1PNPDE20100124_211816_000000372086_00186_41322_6505.N1	24-JAN-2010 21:18:16	Bright	36.500	130	23Bet Dra	2.7990	5800.0	73	41322	No
75	GOM_TRA_1PNPDE20100124_212443_000000582086_00186_41322_6506.N1	24-JAN-2010 21:24:43	Bright	58.000	133	40Zet Her	2.8070	6000.0	116	41322	No
76	GOM_TRA_1PNPDE20100124_212804_000000602086_00186_41322_6507.N1	24-JAN-2010 21:28:04	Bright	60.000	127	27Bet Her	2.7810	4700.0	120	41322	No
77	GOM_TRA_1PNPDE20100124_213147_000000342086_00186_41322_6508.N1	24-JAN-2010 21:31:47	Bright	34.000	126	60Bet Oph	2.7700	4250.0	68	41322	No
78	GOM_TRA_1PNPDE20100124_214159_000000562086_00186_41322_6517.N1	24-JAN-2010 21:41:59	Twilight	56.000	16	21Alp Sco	1.0200	3000.0	112	41322	No
79	GOM_TRA_1PNPDE20100124_214733_000000422086_00186_41322_6518.N1	24-JAN-2010 21:47:33	Dark	42.000	131	Gam Lup	2.8000	26000.	84	41322	No
80	GOM_TRA_1PNPDE20100124_214936_000000442086_00186_41322_6519.N1	24-JAN-2010 21:49:36	Dark	43.500	109	Bet Lup	2.6770	26000.	87	41322	No
81	GOM_TRA_1PNPDE20100124_215104_000000432086_00187_41323_6520.N1	24-JAN-2010 21:51:04	Dark	42.500	78	Alp Lup	2.3040	28000.	85	41323	No
82	GOM_TRA_1PNPDE20100124_215741_000000432086_00187_41323_6521.N1	24-JAN-2010 21:57:41	Dark	43.000	12	Alp1Cru	0.77500	30000.	86	41323	No
83	GOM_TRA_1PNPDE20100124_221754_000000462086_00187_41323_6522.N1	24-JAN-2010 22:17:54	Straylight	46.000	1	9Alp CMa	-1.4400	11000.	92	41323	No
84	GOM_TRA_1PNPDE20100124_222401_000000512086_00187_41323_6523.N1	24-JAN-2010 22:24:01	Twilight	51.000	8	10Alp CMi	0.40000	6500.0	102	41323	No
85	GOM_TRA_1PNPDE20100124_222714_000000382086_00187_41323_6524.N1	24-JAN-2010 22:27:14	Bright	38.000	44	24Gam Gem	1.9280	11000.	76	41323	No
86	GOM_TRA_1PNPDE20100124_222901_000000412086_00187_41323_6525.N1	24-JAN-2010 22:29:01	Bright	40.500	151	13Mu Gem	2.8900	3000.0	81	41323	No
87	GOM_TRA_1PNPDE20100124_223523_000000372086_00187_41323_6526.N1	24-JAN-2010 22:35:23	Bright	37.000	42	34Bet Aur	1.9000	10200.	74	41323	No
88	GOM_TRA_1PNPDE20100124_225123_000000392086_00187_41323_6527.N1	24-JAN-2010 22:51:23	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	41323	No
89	GOM_TRA_1PNPDE20100124_225557_000000482086_00187_41323_6528.N1	24-JAN-2010 22:55:57	Bright	47.500	119	14Eta Dra	2.7270	4700.0	95	41323	No
90	GOM_TRA_1PNPDE20100124_225852_000000372086_00187_41323_6529.N1	24-JAN-2010 22:58:52	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	41323	No
91	GOM_TRA_1PNPDE20100124_230519_000000582086_00187_41323_6530.N1	24-JAN-2010 23:05:19	Bright	58.000	133	40Zet Her	2.8070	6000.0	116	41323	No
92	GOM_TRA_1PNPDE20100124_230839_000000432086_00187_41323_6531.N1	24-JAN-2010 23:08:39	Bright	43.000	127	27Bet Her	2.7810	4700.0	86	41323	No
93	GOM_TRA_1PNPDE20100124_232810_000000402086_00187_41323_6538.N1	24-JAN-2010 23:28:10	Dark	40.000	131	Gam Lup	2.8000	26000.	80	41323	No
94	GOM_TRA_1PNPDE20100124_233012_000000442086_00187_41323_6539.N1	24-JAN-2010 23:30:12	Dark	43.500	109	Bet Lup	2.6770	26000.	87	41323	No
95	GOM_TRA_1PNPDE20100124_233141_000000442086_00188_41324_6540.N1	24-JAN-2010 23:31:41	Dark	44.000	78	Alp Lup	2.3040	28000.	88	41324	No
96	GOM_TRA_1PNPDE20100124_233344_000000552086_00188_41324_6541.N1	24-JAN-2010 23:33:44	Dark	54.500	4	Alp1Cen	-0.010000	5800.0	109	41324	No
97	GOM_TRA_1PNPDE20100124_233514_000000422086_00188_41324_6542.N1	24-JAN-2010 23:35:14	Dark	41.500	77	Eps Cen	2.3030	28000.	83	41324	No
98	GOM_TRA_1PNPDE20100124_233817_000000452086_00188_41324_6543.N1	24-JAN-2010 23:38:17	Dark	44.500	12	Alp1Cru	0.77500	30000.	89	41324	No
99	GOM_TRA_1PNPDE20100124_235435_000000412086_00188_41324_6544.N1	24-JAN-2010 23:54:35	Straylight	41.000	88	31Eta CMa	2.4480	20000.	82	41324	No
100	GOM_TRA_1PNPDE20100124_235621_000000392086_00188_41324_6545.N1	24-JAN-2010 23:56:21	Straylight	39.000	179	24Omi2CMa	3.0320	24000.	78	41324	No

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



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

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

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

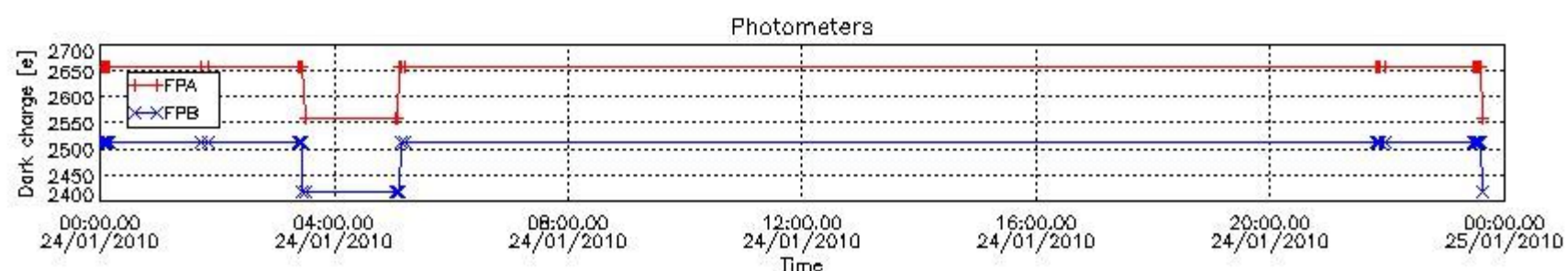
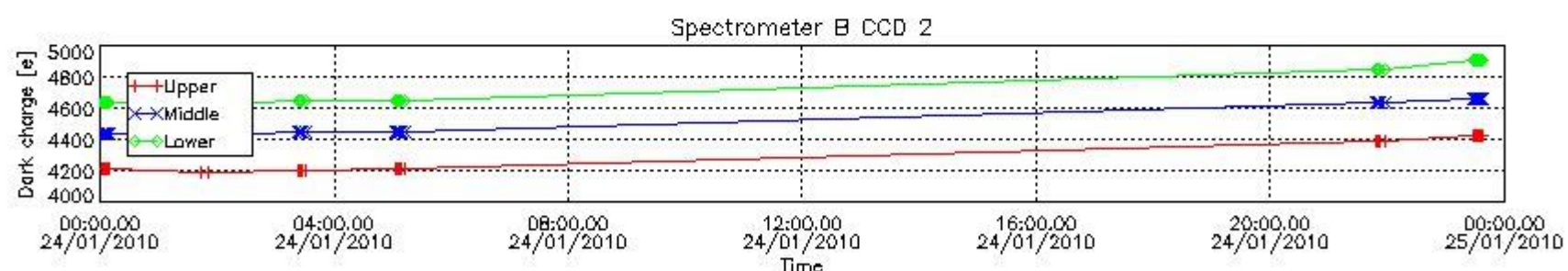
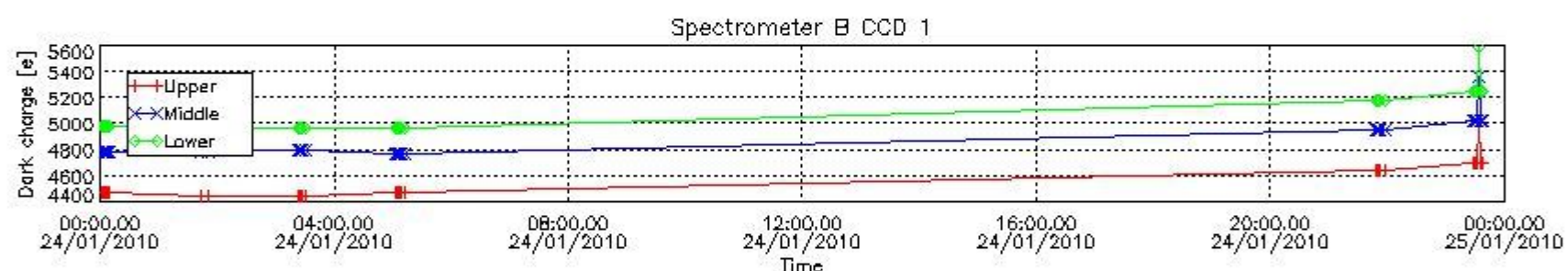
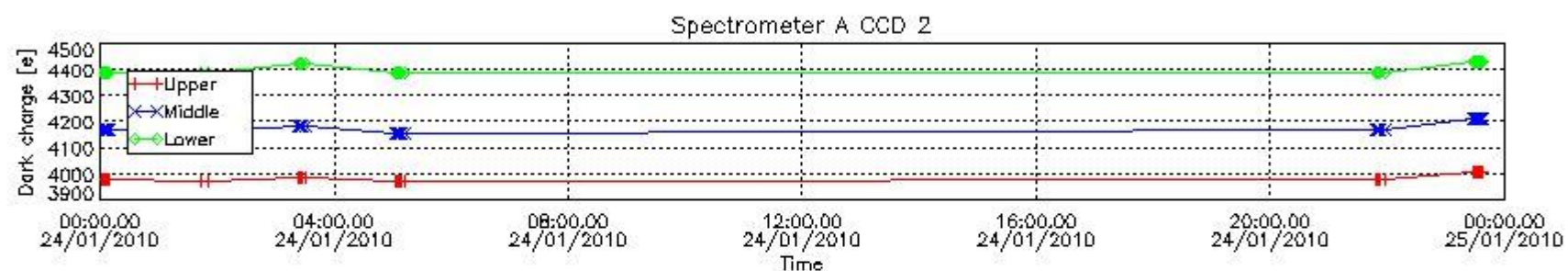
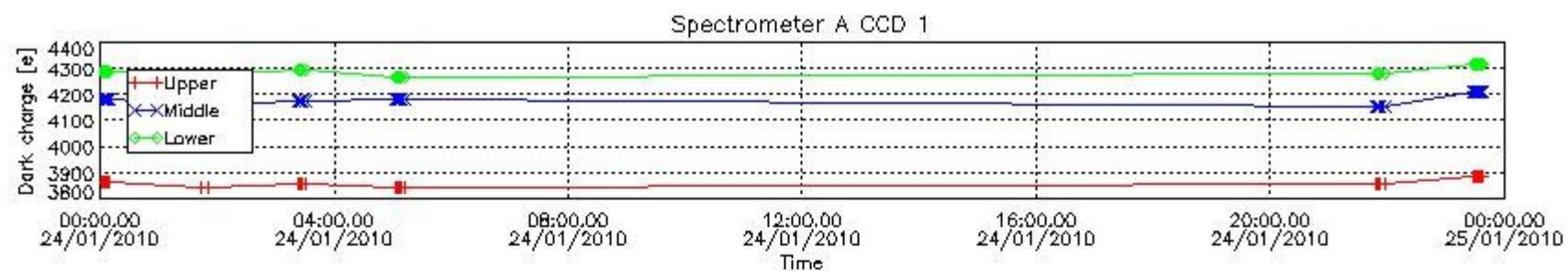
#### 4.1 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDE20100124_203117_000000432086_00186_41322_6494.N1	DC map used
GOM_TRA_1PNPDE20100124_203322_000000422086_00186_41322_6495.N1	DC map used
GOM_TRA_1PNPDE20100124_203509_000000372086_00186_41322_6496.N1	DC map used
GOM_TRA_1PNPDE20100124_203719_000000432086_00186_41322_6497.N1	DC map used
GOM_TRA_1PNPDE20100124_204325_000000502086_00186_41322_6498.N1	DC map used
GOM_TRA_1PNPDE20100124_204638_000000402086_00186_41322_6499.N1	DC map used
GOM_TRA_1PNPDE20100124_204825_000000412086_00186_41322_6500.N1	DC map used
GOM_TRA_1PNPDE20100124_205239_000000362086_00186_41322_6501.N1	DC map used
GOM_TRA_1PNPDE20100124_205447_000000382086_00186_41322_6502.N1	DC map used
GOM_TRA_1PNPDE20100124_210716_000000352086_00186_41322_6503.N1	DC map used



GOM_TRA_1PNPDE20100124_211521_000000412086_00186_41322_6504.N1	DC map used
GOM_TRA_1PNPDE20100124_211816_000000372086_00186_41322_6505.N1	DC map used
GOM_TRA_1PNPDE20100124_212443_000000582086_00186_41322_6506.N1	DC map used
GOM_TRA_1PNPDE20100124_212804_000000602086_00186_41322_6507.N1	DC map used
GOM_TRA_1PNPDE20100124_213147_000000342086_00186_41322_6508.N1	DC map used

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

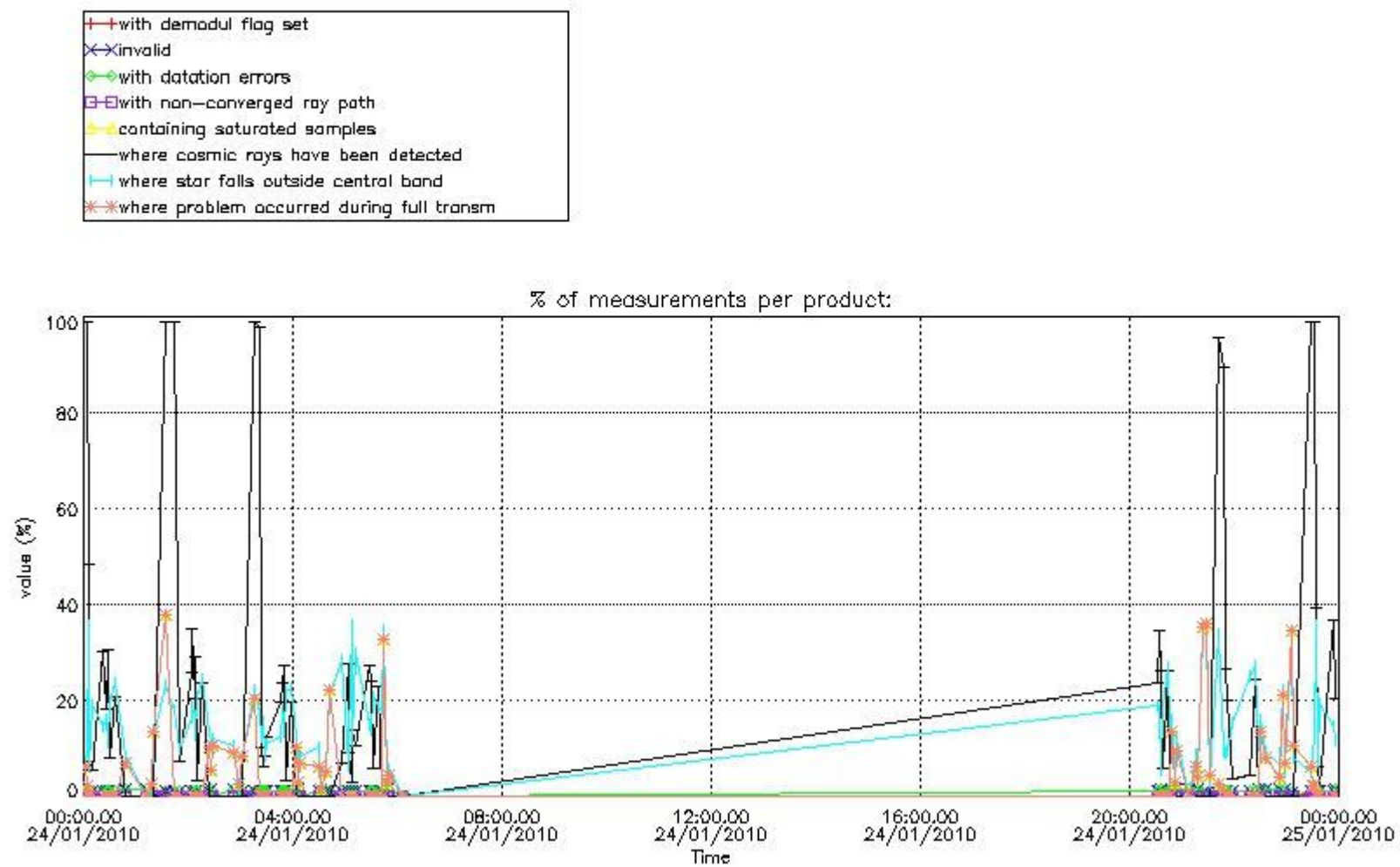


In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

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

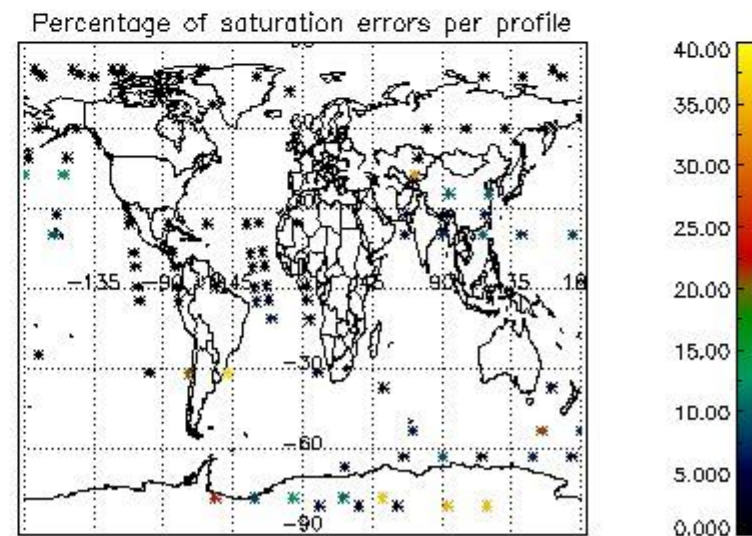
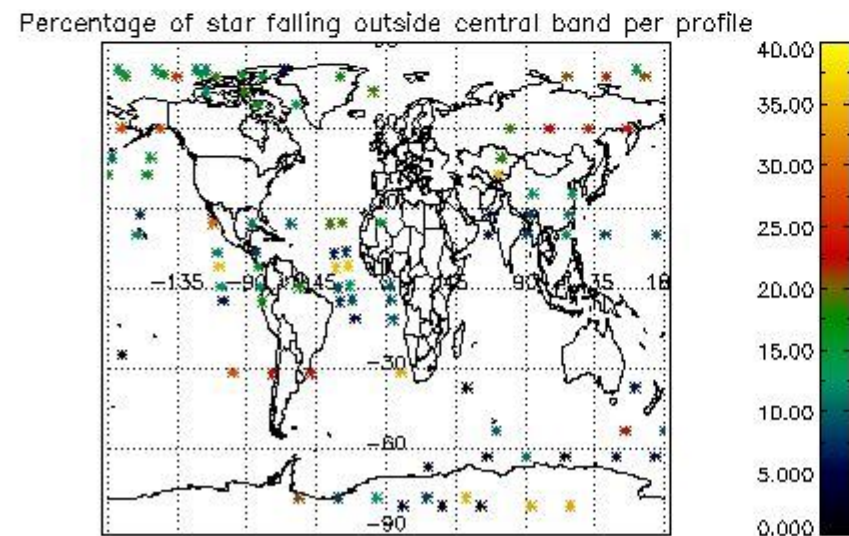
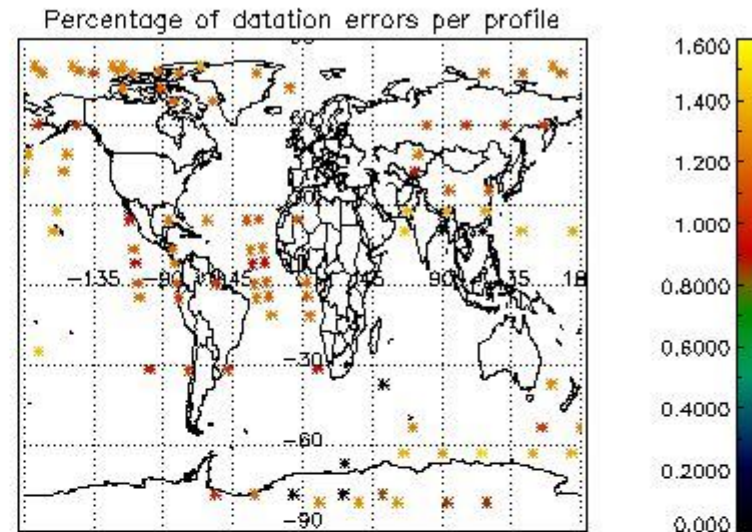
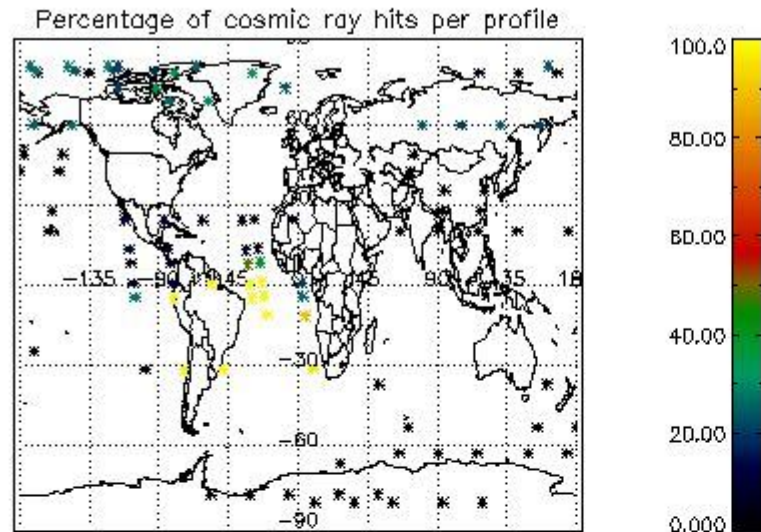
At least one measurement with demodulation flag set:	44.0000 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

### 5.2 Plot quality information per product (time dependant)



### 5.3 Plot quality information per product (world map)





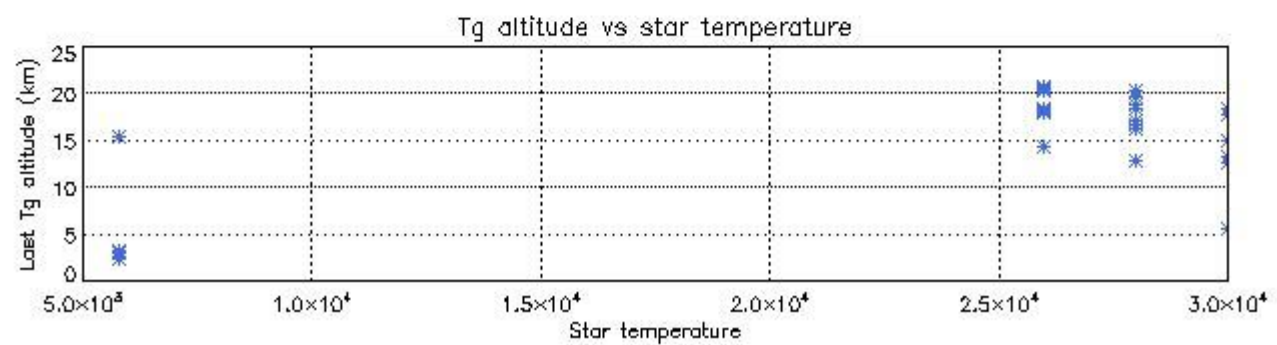
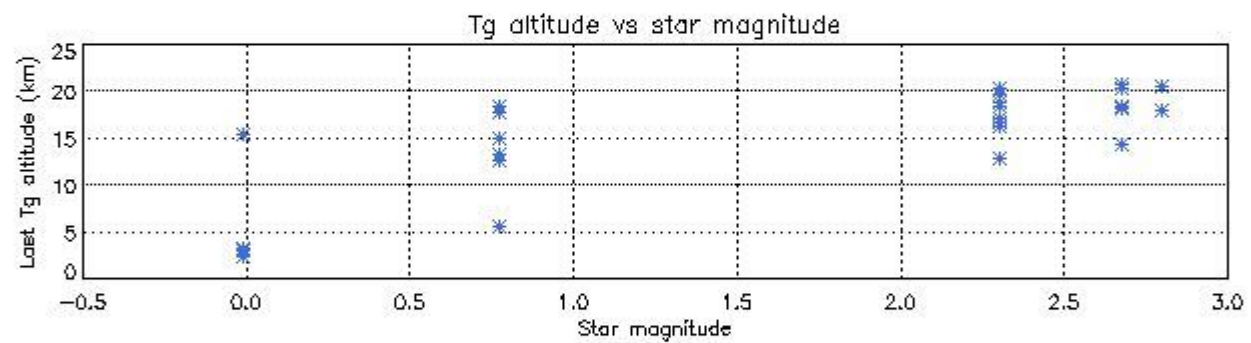
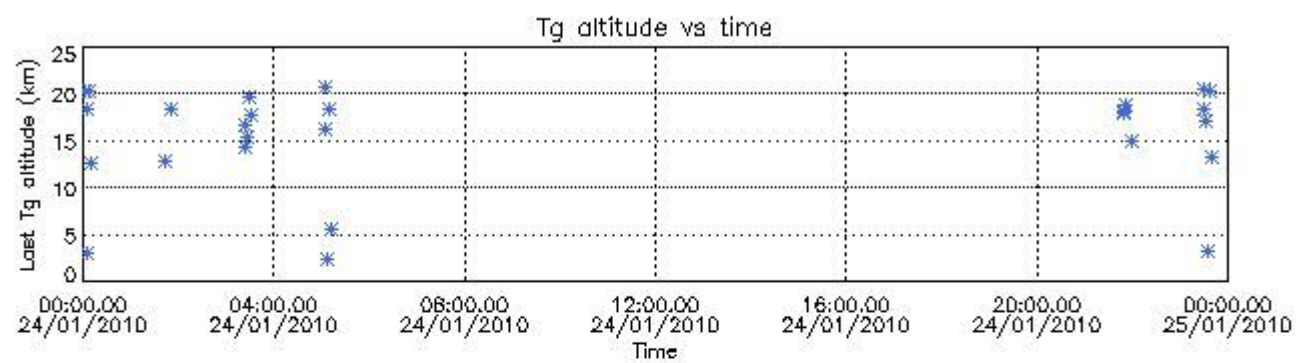
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.415	16.985	7.9138
St. deviation:	5.5721	5.6747	3.1040
Maximum:	20.637	27.128	10.638
Minimum:	2.3911	4.0541	4.1172
Number of data:	27.000	39.000	4.0000

### 6.2 Plot for DARK limb products

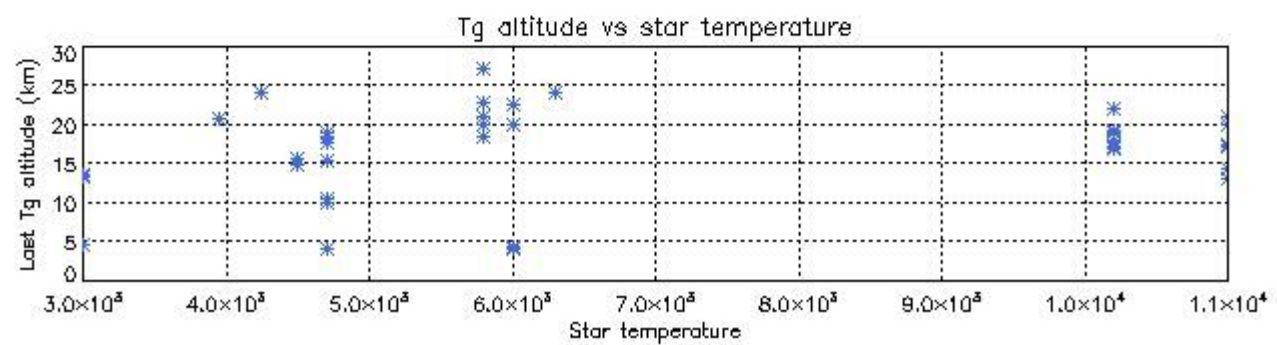
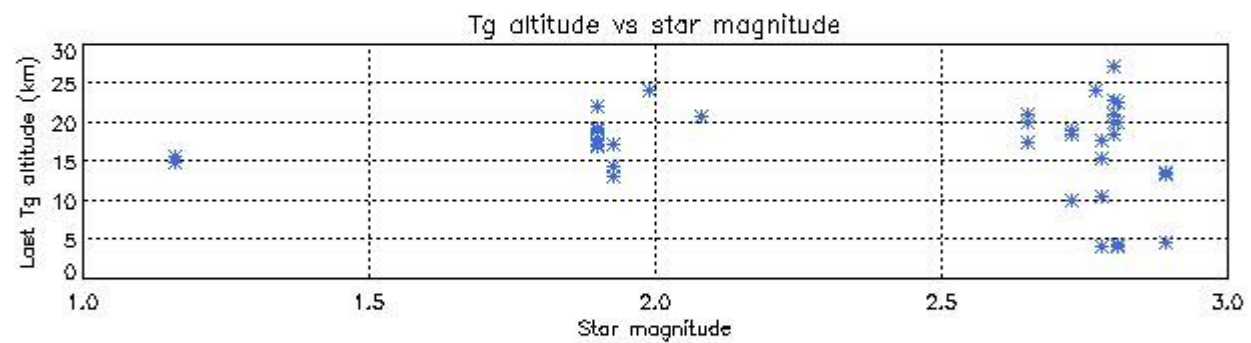
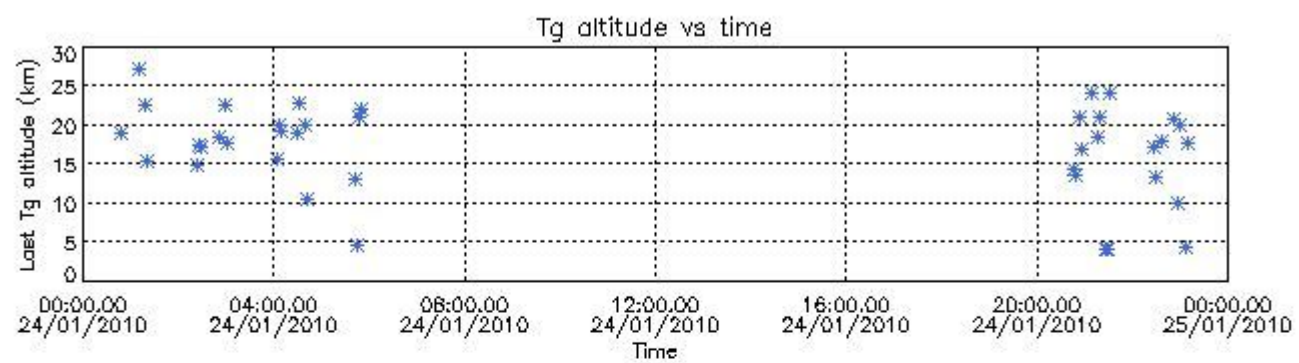
Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

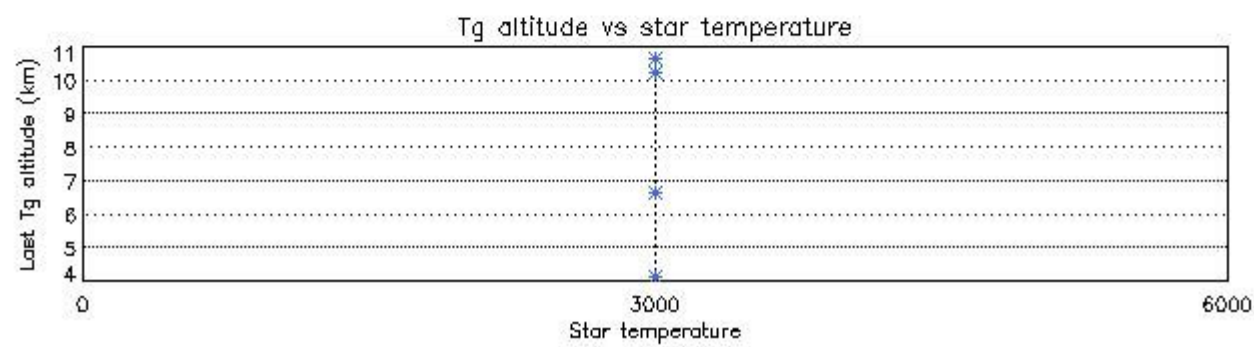
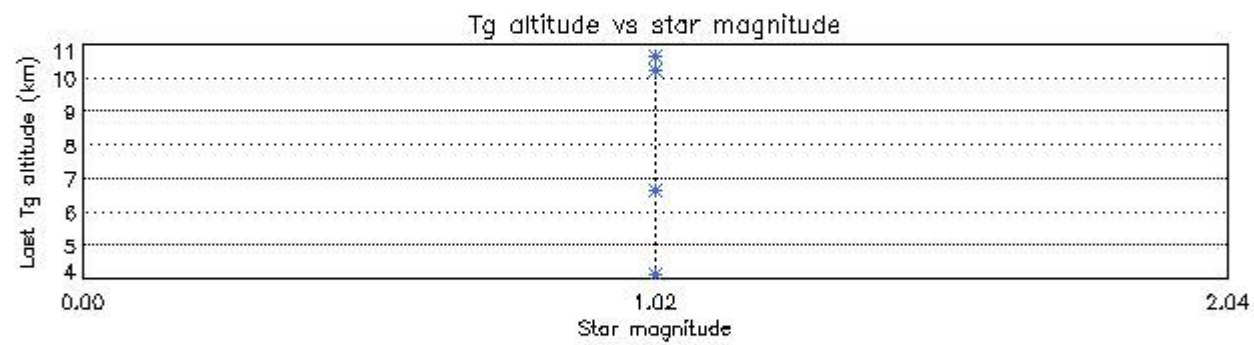
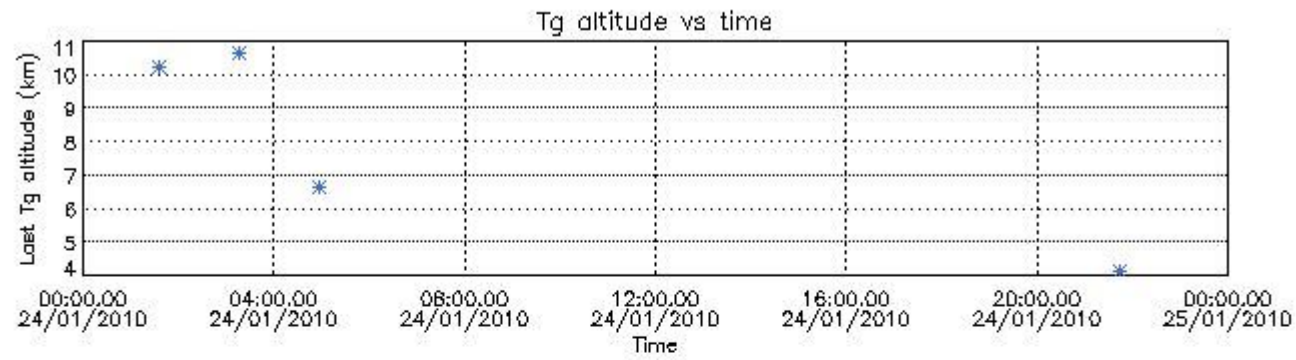


Tangent altitude at which the star is lost



### 6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

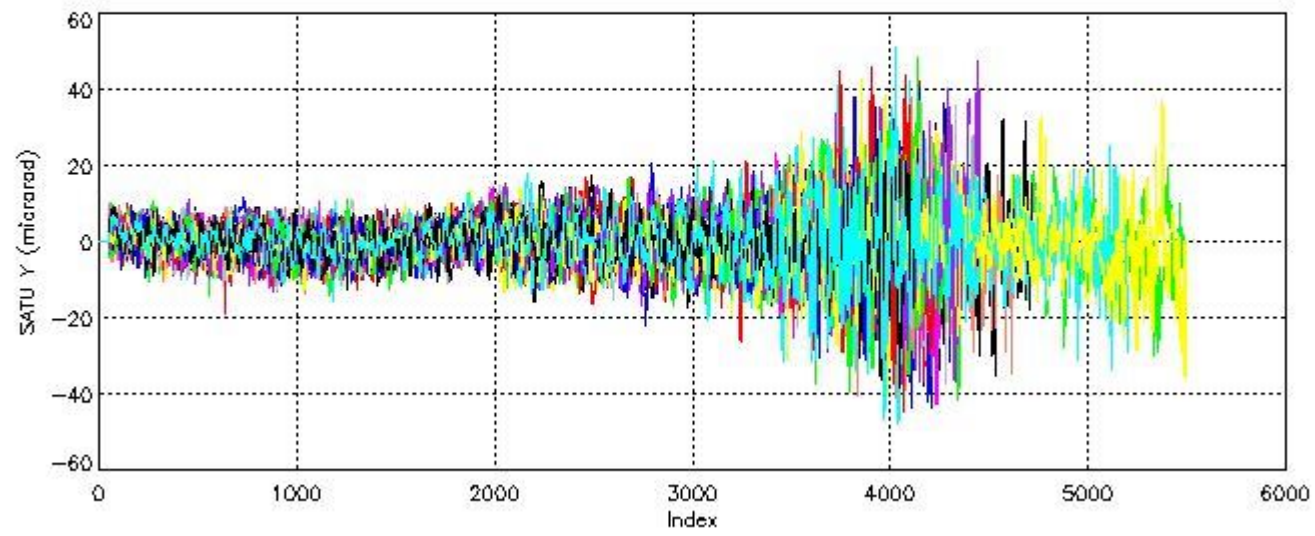
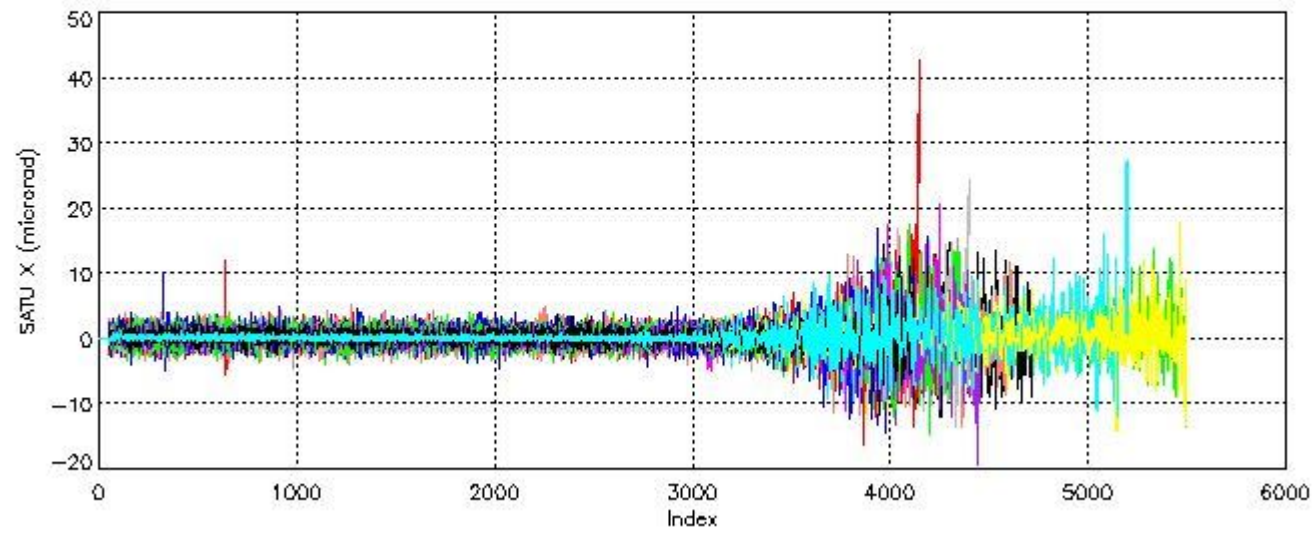


## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.19266	0.37246	0.090868	-0.25640
St. deviation:	0.70305	3.3252	0.71900	3.3239
Maximum:	12.000	11.700	5.1000	12.400
Minimum:	-5.6000	-18.800	-4.9000	-16.300

Number of data:	25950.	25950.	34300.	34300.
-----------------	--------	--------	--------	--------

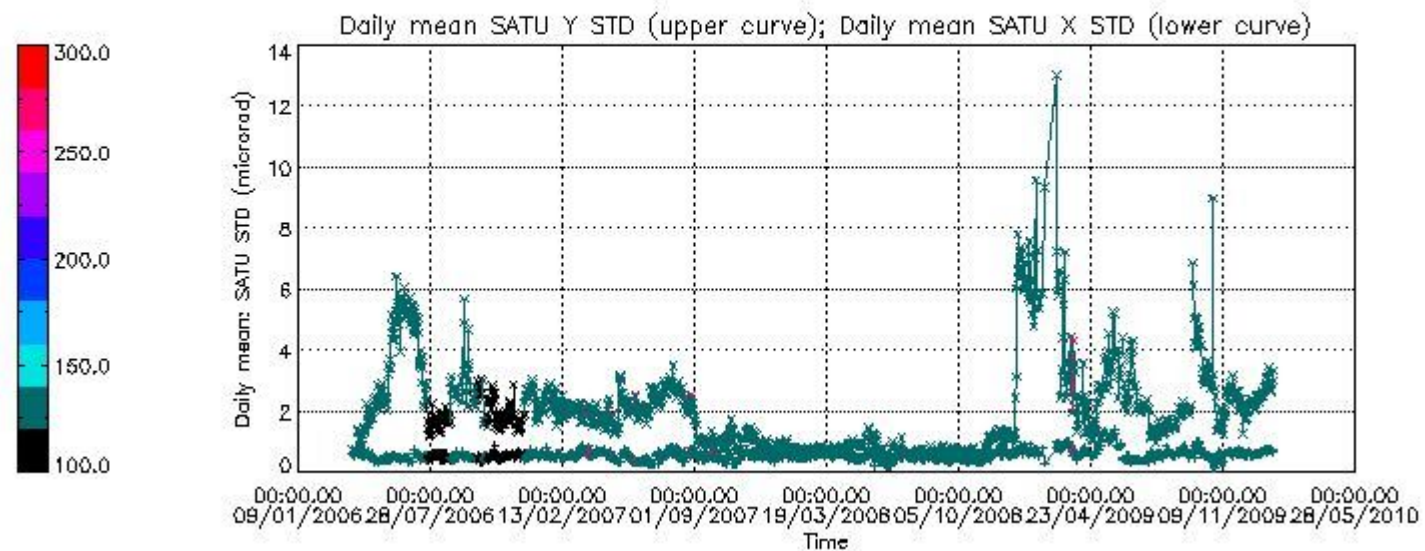
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

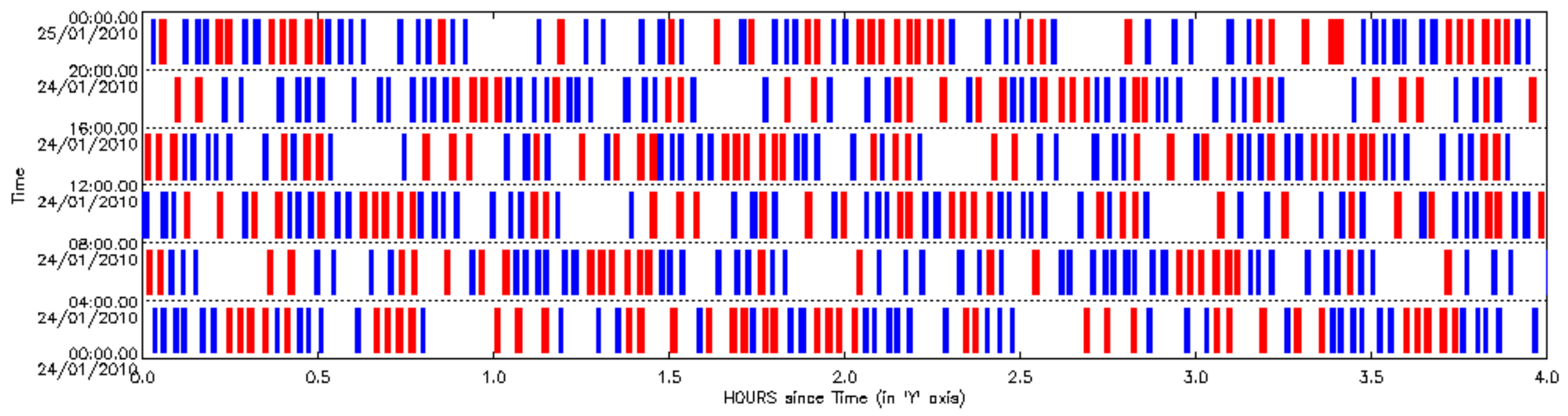


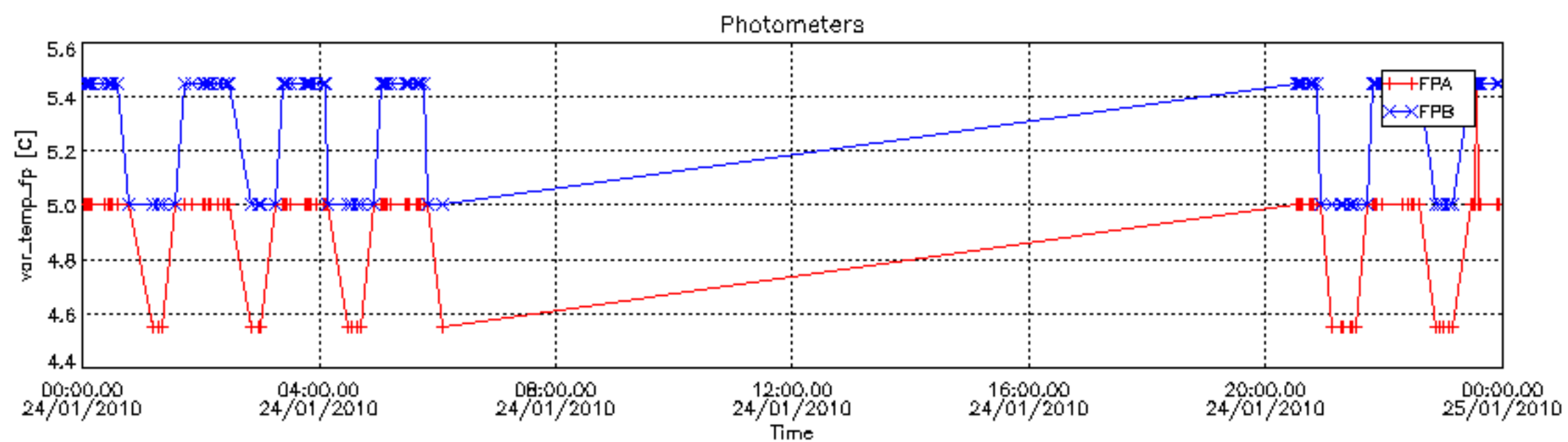
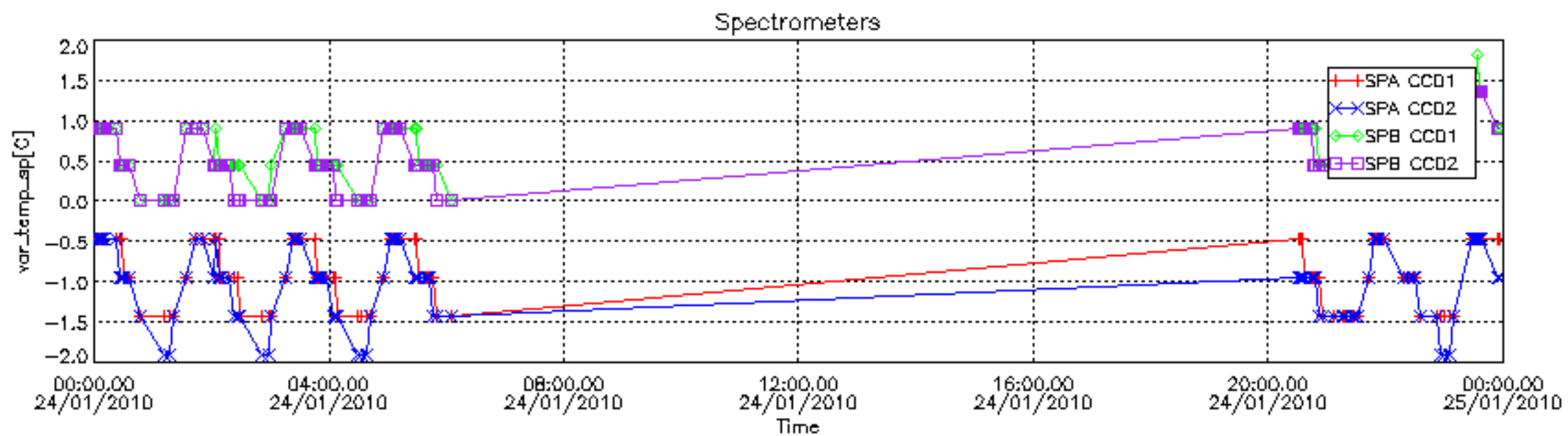
### 8. Auxiliary Data Files used for the production reported in section 2.4

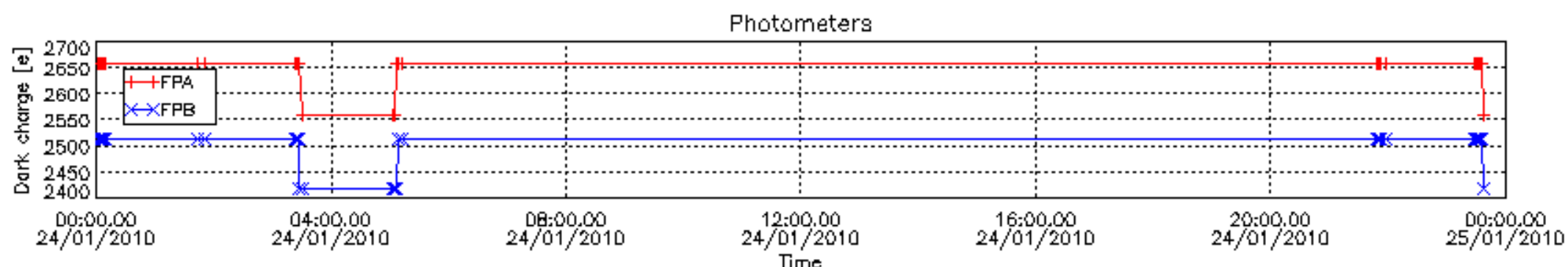
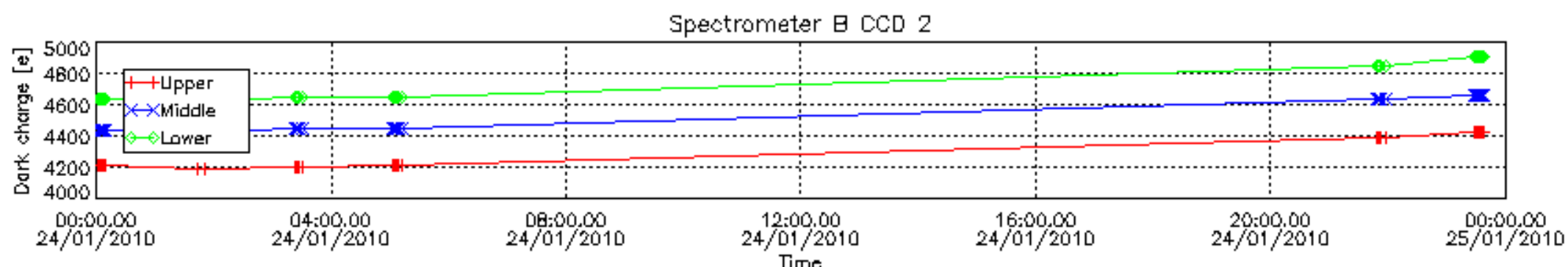
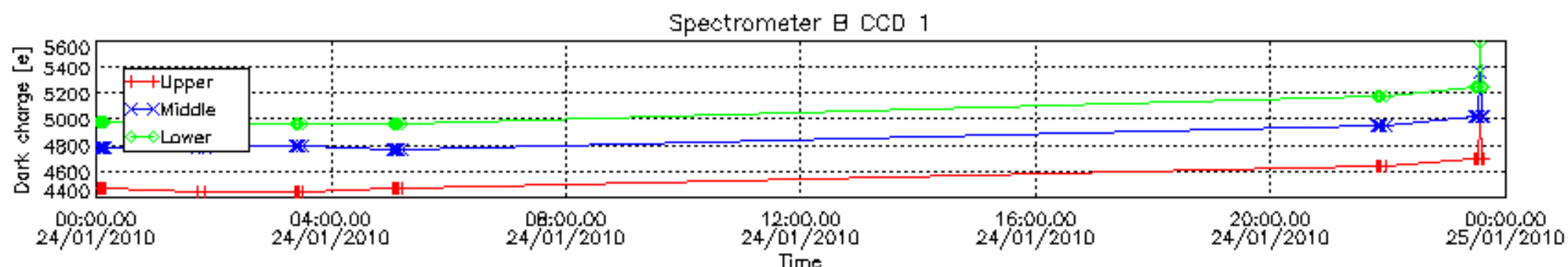
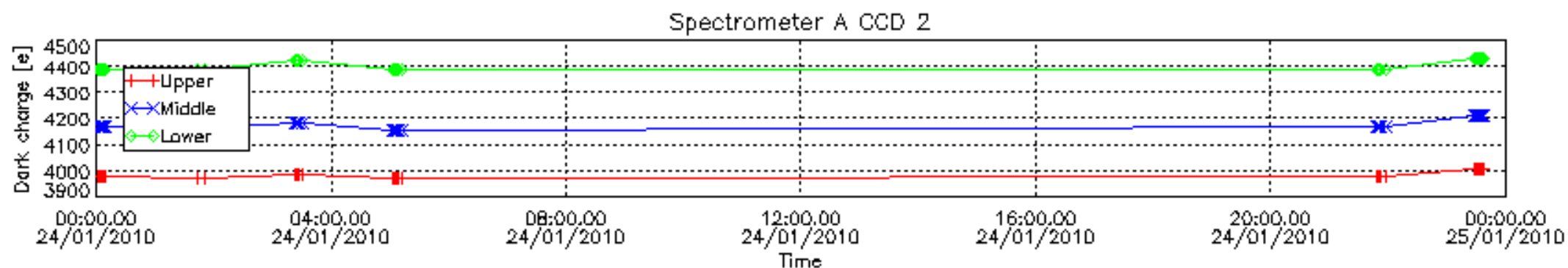
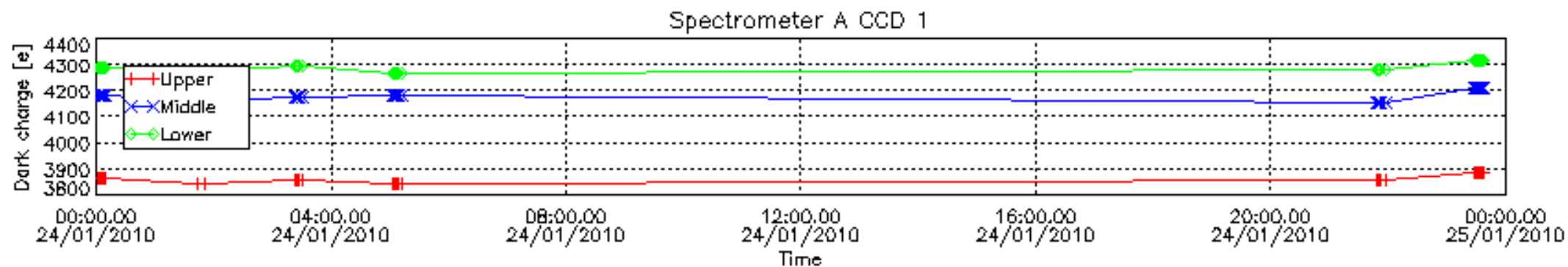
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

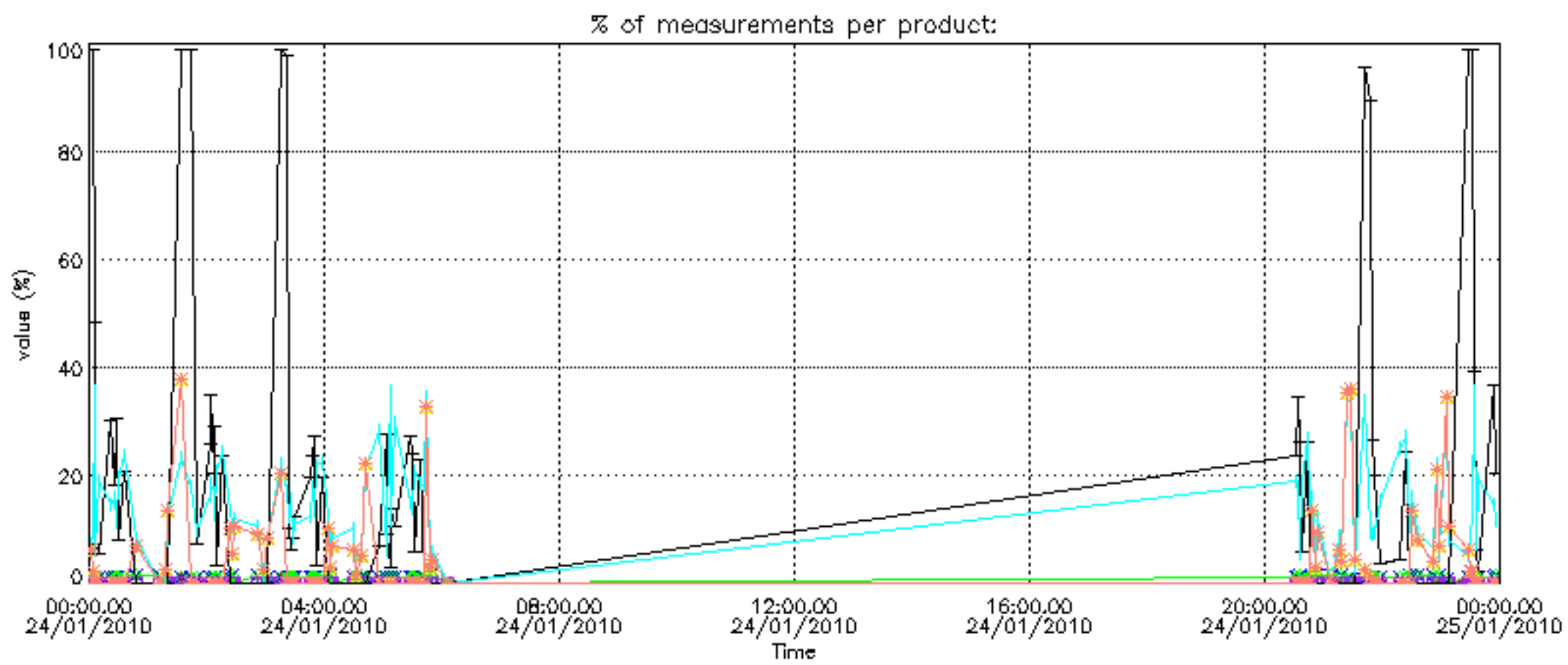
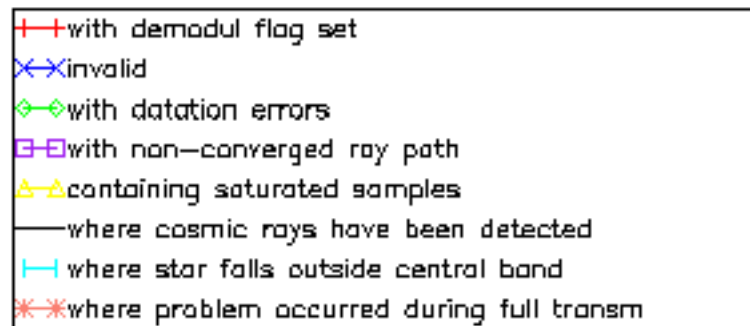
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	24-JAN-2010 00:01:38
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100120_153031_20100118_000000_20500101_000000	1	24-JAN-2010 00:01:38
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	24-JAN-2010 00:01:38
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	24-JAN-2010 00:01:38
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	24-JAN-2010 00:01:38
ECMWF_FILE	AUX_ECF_AXNECM20100123_062111_20100123_210000_20100124_090000	1	24-JAN-2010 00:01:38
ECMWF_FILE	AUX_ECF_AXNECM20100123_180112_20100124_030000_20100124_150000	44	24-JAN-2010 04:29:23
ECMWF_FILE	AUX_ECF_AXNECM20100124_062109_20100124_150000_20100125_030000	63	24-JAN-2010 20:31:17
ECMWF_FILE	AUX_ECF_AXNECM20100124_062110_20100124_210000_20100125_090000	78	24-JAN-2010 21:41:59
OPTIONAL_ECMWF_FILE	MISSING	1	24-JAN-2010 00:01:38
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100123_234805_000057382086_00173_41309_9628.N1	1	24-JAN-2010 00:01:38
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100124_012902_000041442086_00174_41310_9629.N1	15	24-JAN-2010 01:34:41
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100124_024325_000057382086_00175_41311_9630.N1	27	24-JAN-2010 02:51:40
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100124_042422_000054192086_00176_41312_9631.N1	44	24-JAN-2010 04:29:23
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100124_202603_000038252086_00186_41322_9632.N1	63	24-JAN-2010 20:31:17
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100124_213507_000057382086_00186_41322_9633.N1	78	24-JAN-2010 21:41:59
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100124_231604_000057382086_00187_41323_9634.N1	93	24-JAN-2010 23:28:10





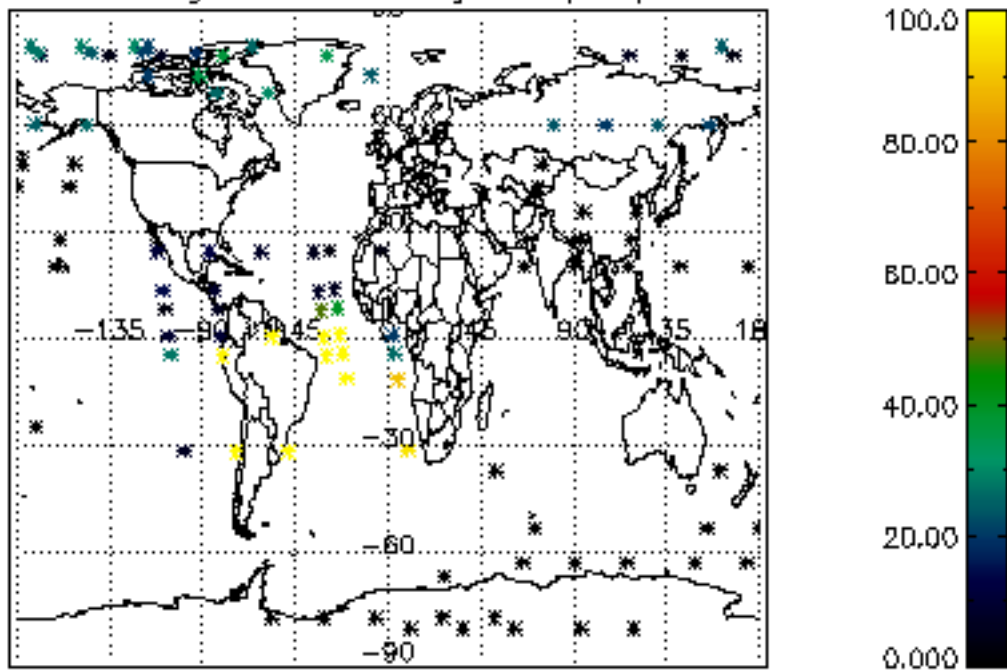




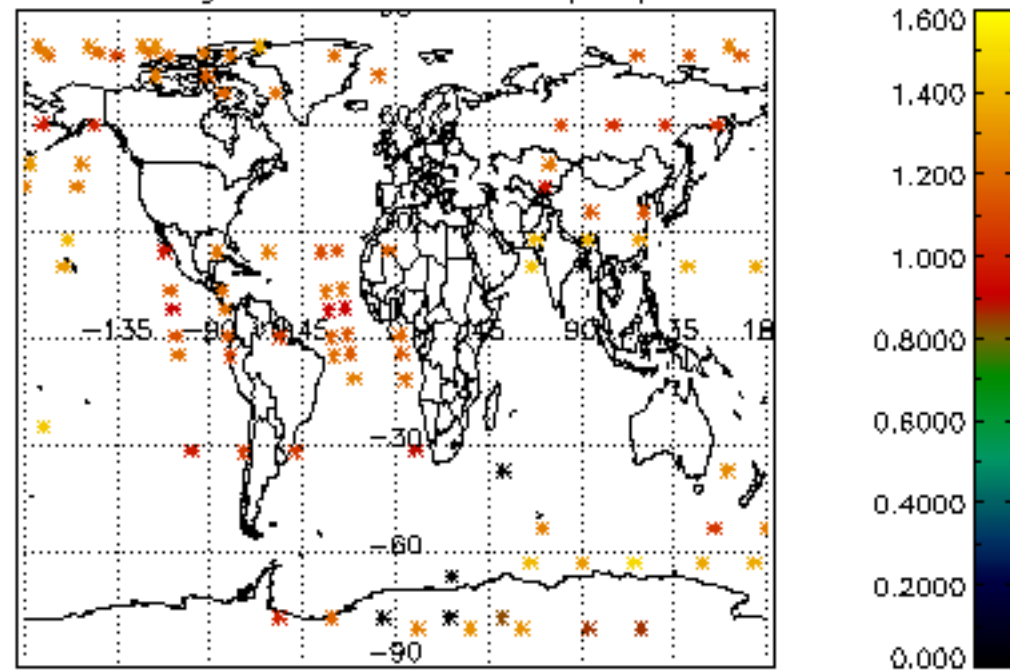




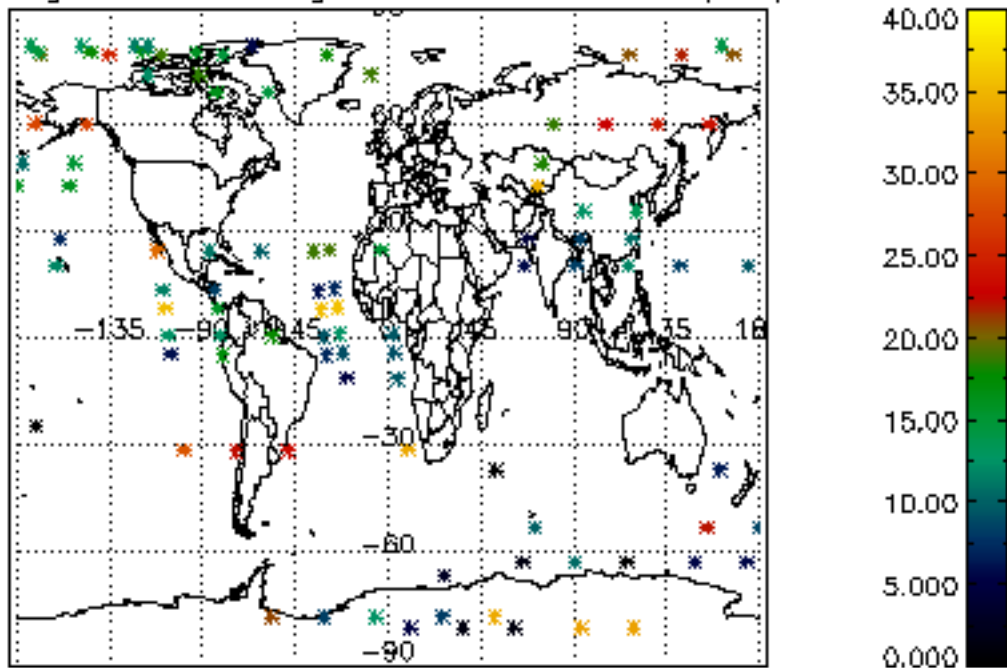
Percentage of cosmic ray hits per profile



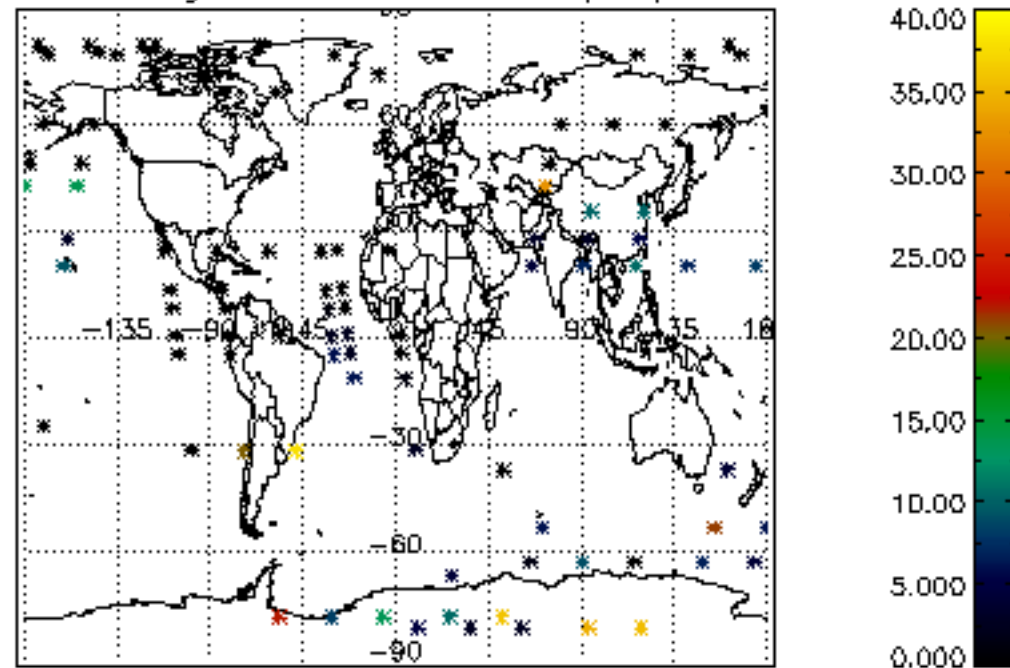
Percentage of datation errors per profile



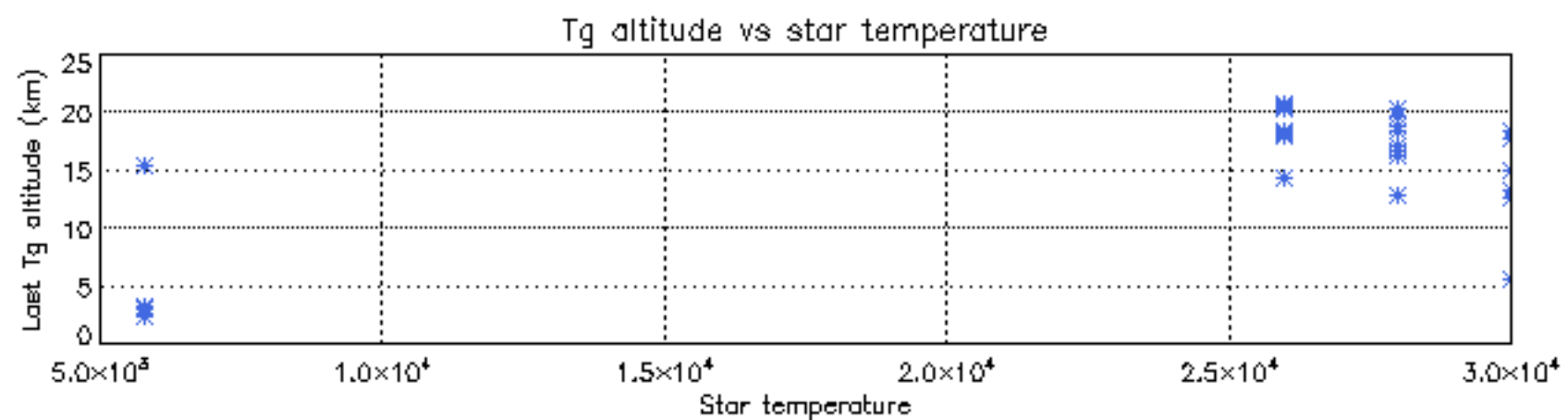
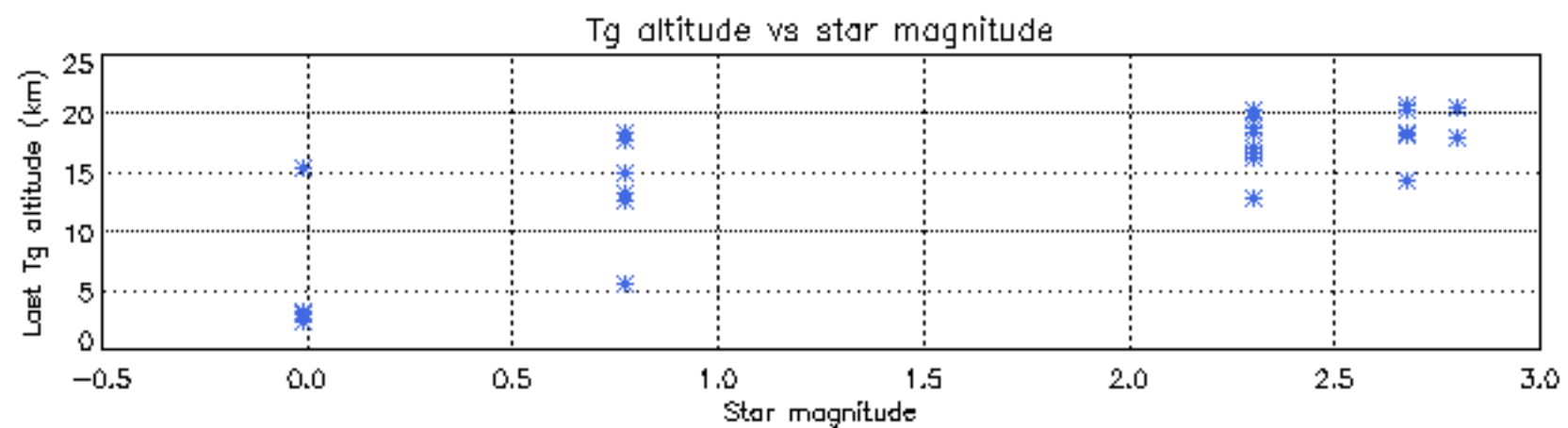
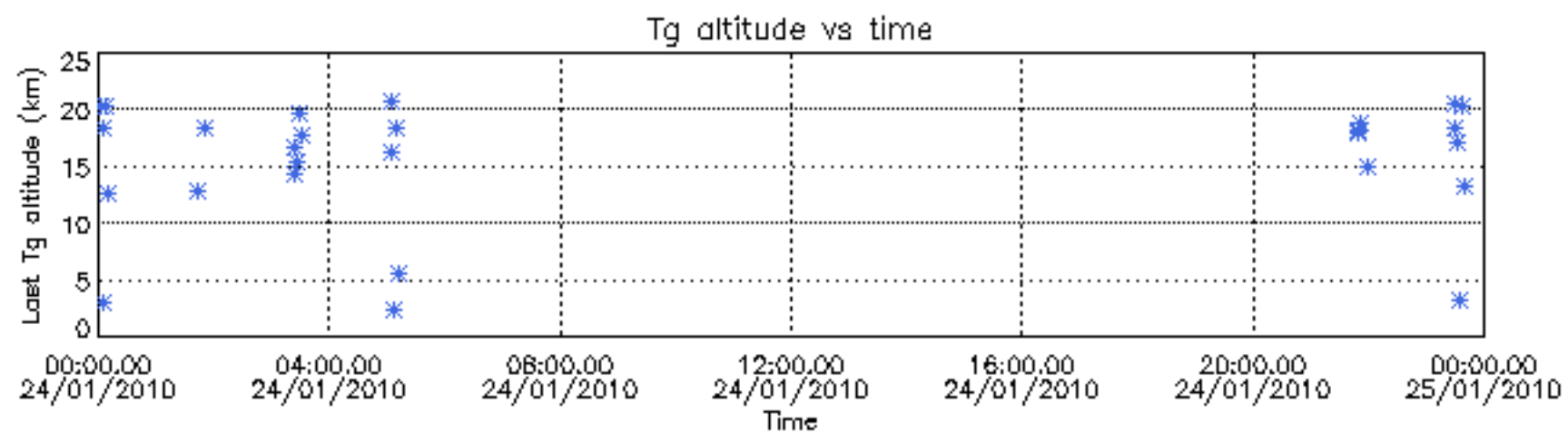
Percentage of star falling outside central band per profile



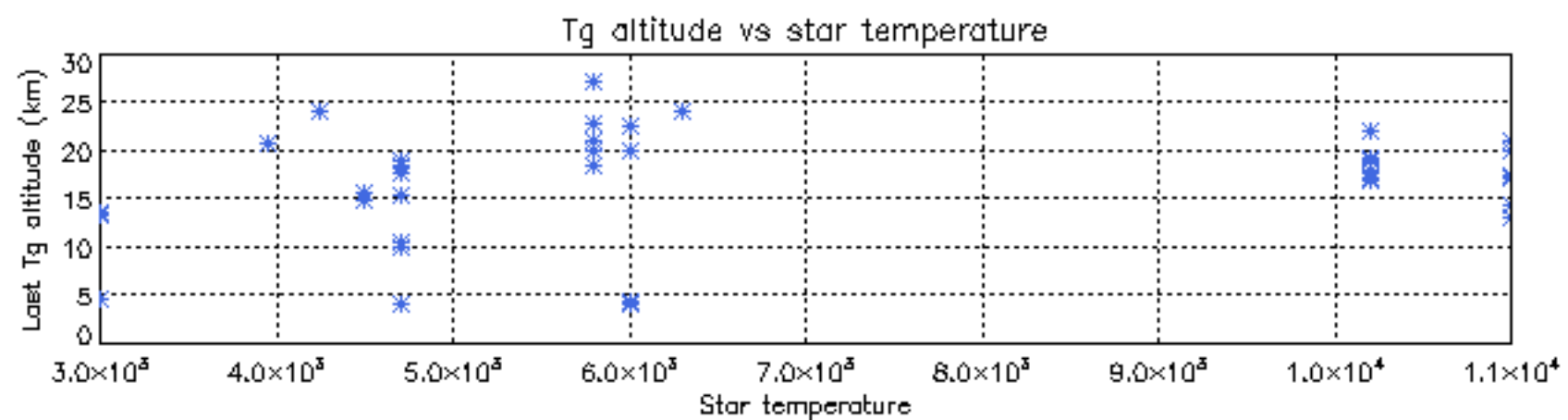
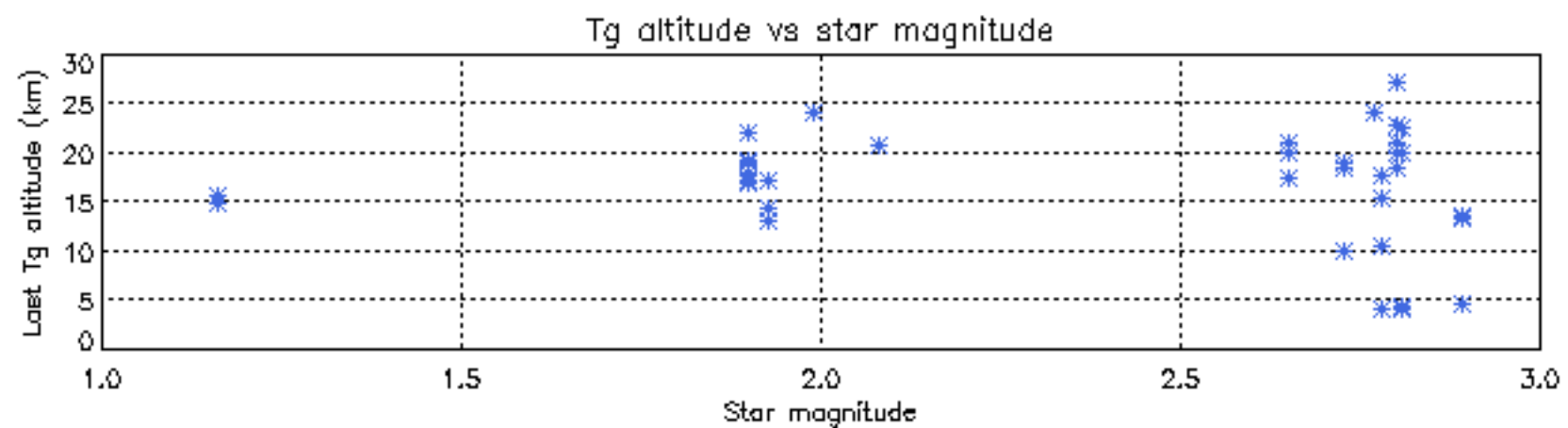
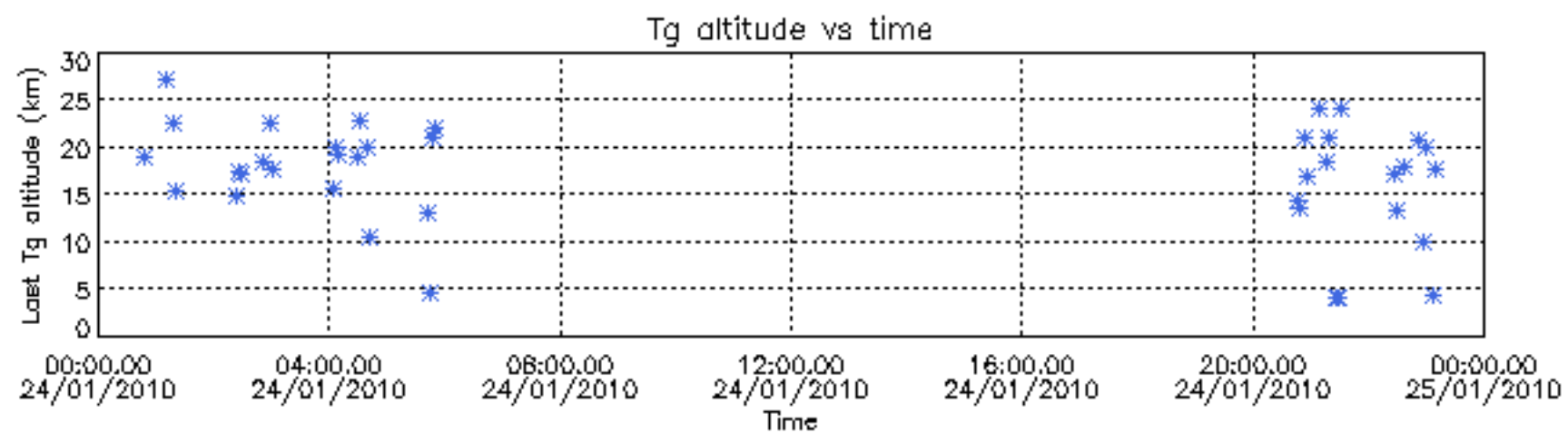
Percentage of saturation errors per profile



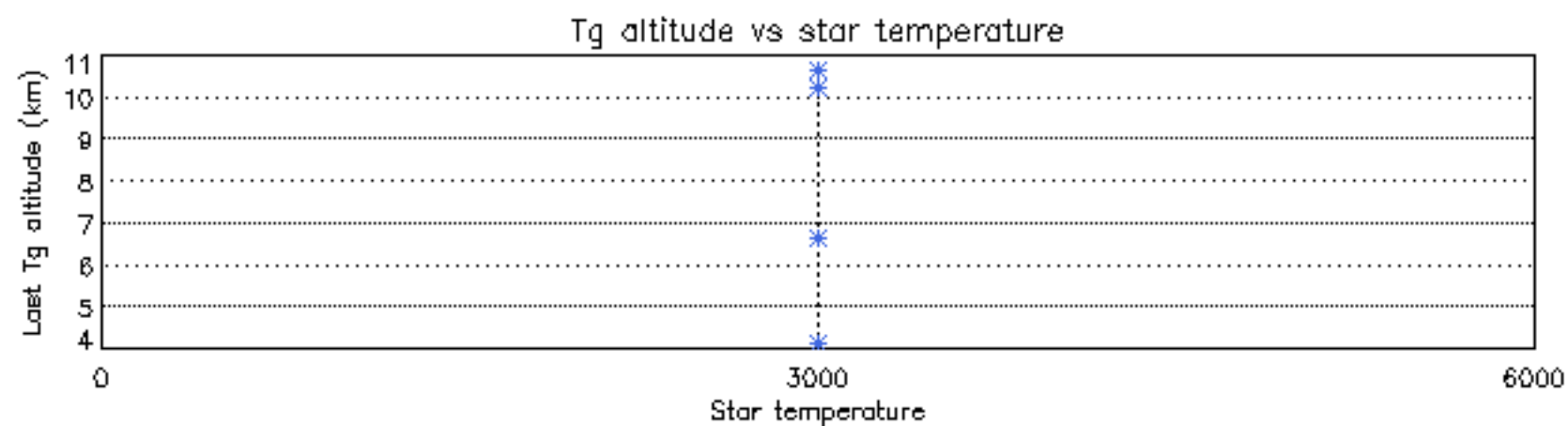
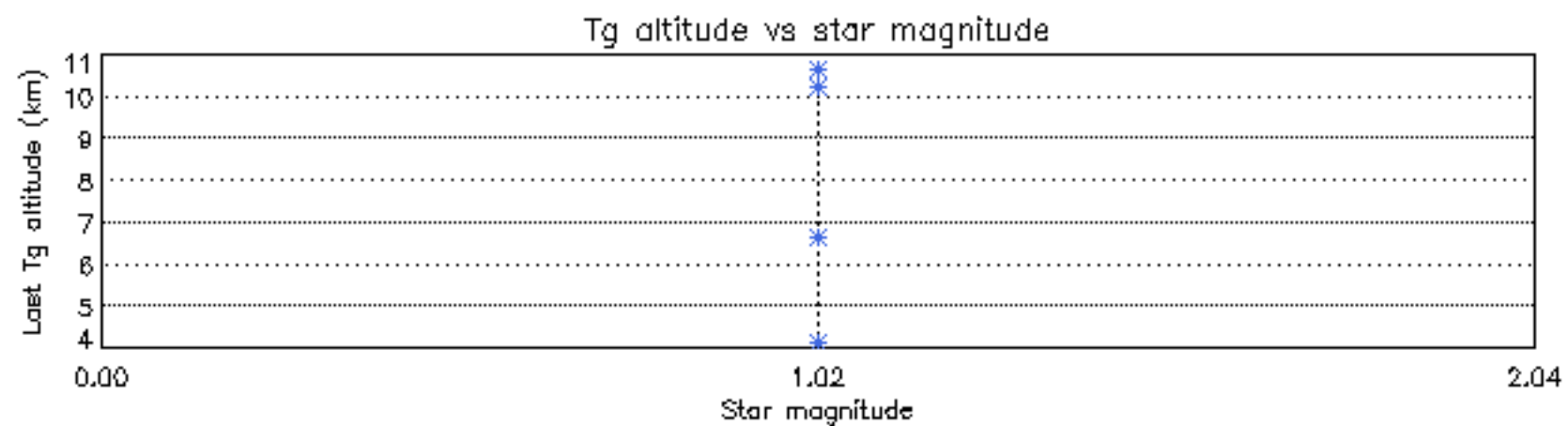
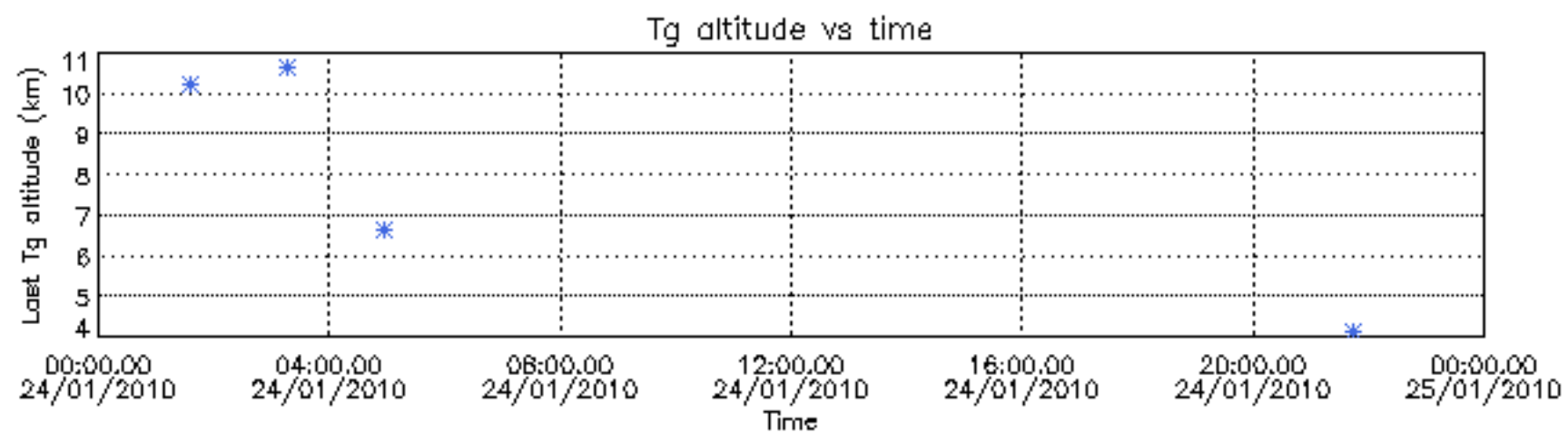
Tangent altitude at which the star is lost



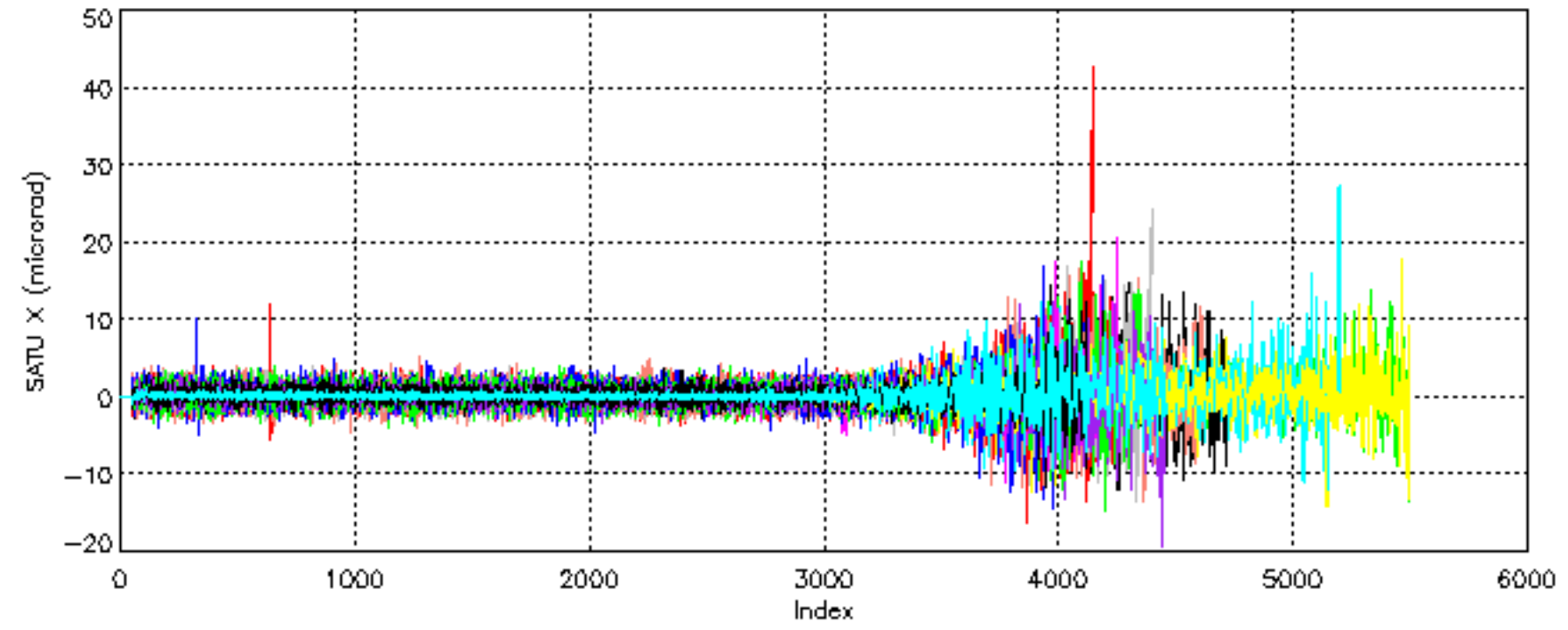
Tangent altitude at which the star is lost

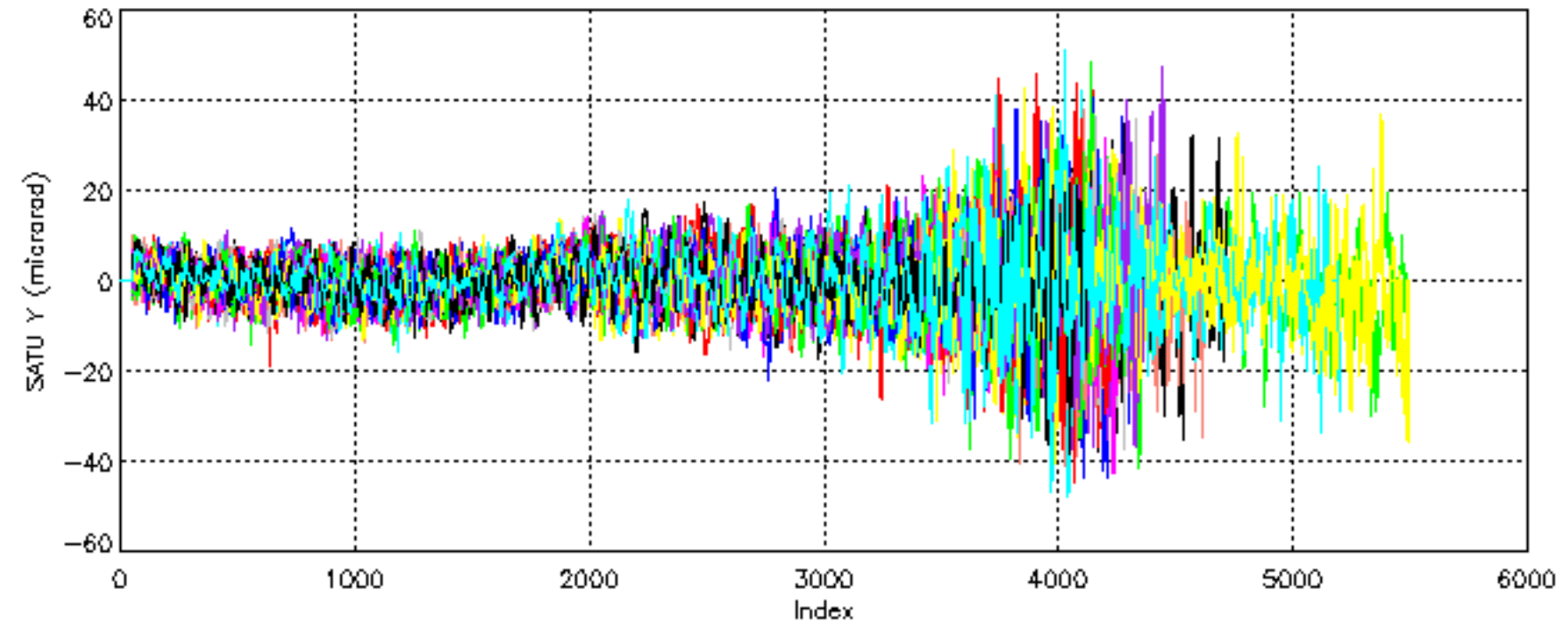


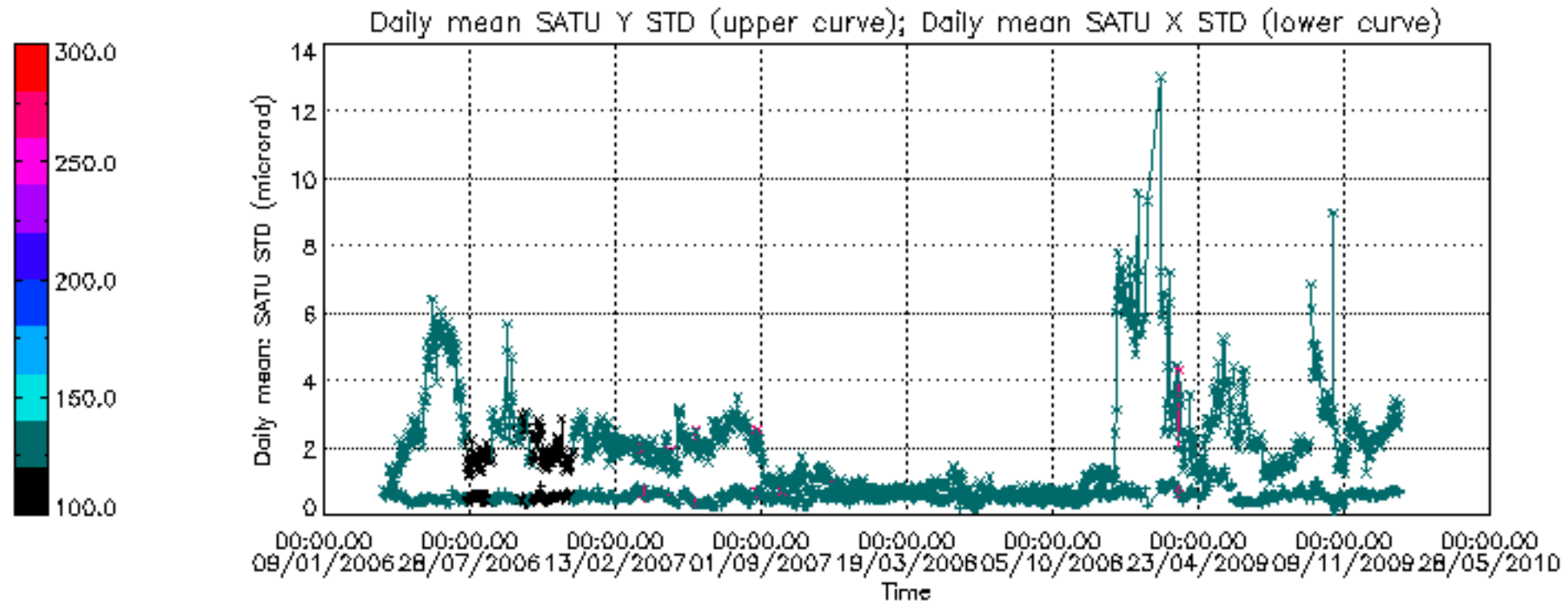
Tangent altitude at which the star is lost











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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
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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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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
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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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9;	930.5;	02-JAN-2010	23:38:15;	Dark	;	46.5;	34;	Gam2Vel	;	1.79;	23000;occ;	93;	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
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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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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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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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16;	5365.1;	02-JAN-2010	08:06:11;	Dark	;	43.5;	122;	9Alp2Lib	;	2.75;	9700;occ;	87;	0;40999
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 6; -1451.4; 04-JAN-2010 06:49:56; Bright; 45.0; 83; ; 2.38; 11000;occ; 90; 0;41027  
 7; -1130.5; 04-JAN-2010 06:55:17; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;41027  
 8; -819.0; 04-JAN-2010 07:00:28; Bright; 44.0; 104; 27Bet Lib ; 2.61; 13100;occ; 88; 0;41027  
 9; -653.1; 04-JAN-2010 07:03:14; Dark ; 47.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 94; 0;41027  
 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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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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 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  
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9; 44.3; 06-JAN-2010 02:50:26; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;41054
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 17; 1197.5; 06-JAN-2010 03:09:39; Dark ; 45.5; 117; Pi Pup ; 2.71; 3800;occ; 91; 0;41054  
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 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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 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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 12; 170.0; 06-JAN-2010 07:54:19; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;41057  
 13; 280.9; 06-JAN-2010 07:56:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41057  
 14; 542.8; 06-JAN-2010 08:00:32; Dark ; 56.5; 113; Mu Vel ; 2.69; 5000;occ; 113; 0;41057  
 15; 670.4; 06-JAN-2010 08:02:40; Dark ; 48.5; 71; Iot Car ; 2.25; 7700;occ; 97; 0;41057  
 16; 784.3; 06-JAN-2010 08:04:34; Dark ; 40.5; 46; Del Vel ; 1.95; 10600;occ; 81; 0;41057  
 17; 953.2; 06-JAN-2010 08:07:23; Dark ; 41.5; 34; Gam2Vel ; 1.79; 23000;occ; 83; 0;41057  
 18; 1084.0; 06-JAN-2010 08:09:33; Dark ; 45.5; 70; Zet Pup ; 2.25; 39000;occ; 91; 0;41057  
 19; 1198.4; 06-JAN-2010 08:11:28; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;41057  
 20; 1360.5; 06-JAN-2010 08:14:10; Dark ; 44.0; 23; 21Eps CMa ; 1.50; 26000;occ; 88; 0;41057  
 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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1; 1591.2; 06-JAN-2010 08:18:01; Dark ; 47.5; 1; 9Alp CMa ; -1.44; 11000;occ; 95; 0;41057  
 2; 2030.8; 06-JAN-2010 08:25:20; Dark ; 53.0; 14; 58Alp Ori ; 0.87; 3000;occ; 106; 0;41057  
 3; 2207.8; 06-JAN-2010 08:28:17; Dark ; 46.0; 44; 24Gam Gem ; 1.93; 11000;occ; 92; 0;41057  
 4; 2308.0; 06-JAN-2010 08:29:57; Bright; 44.5; 151; 13Mu Gem ; 2.89; 3000;occ; 89; 0;41057  
 5; 2551.5; 06-JAN-2010 08:34:01; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;41057  
 6; 2684.4; 06-JAN-2010 08:36:14; Bright; 37.5; 42; 34Bet Aur ; 1.90; 10200;occ; 75; 0;41057  
 7; 3682.3; 06-JAN-2010 08:52:52; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;41057  
 8; 3924.4; 06-JAN-2010 08:56:54; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;41057  
 9; 4091.1; 06-JAN-2010 08:59:40; Bright; 47.0; 39; 85Eta UMa ; 1.85; 24000;occ; 94; 0;41057  
 10; 4354.8; 06-JAN-2010 09:04:04; Bright; 43.5; 180; 27Gam Boo ; 3.04; 8000;occ; 87; 0;41057  
 11; 4591.4; 06-JAN-2010 09:08:01; Bright; 66.0; 83; ; 2.38; 11000;occ; 132; 0;41057  
 12; 4915.8; 06-JAN-2010 09:13:25; Bright; 56.0; 102; 24Alp Ser ; 2.60; 4250;occ; 112; 0;41057  
 13; 5232.8; 06-JAN-2010 09:18:42; Dark ; 46.0; 104; 27Bet Lib ; 2.61; 13100;occ; 92; 0;41057  
 14; 5403.7; 06-JAN-2010 09:21:33; Dark ; 46.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 92; 0;41057  
 15; 5826.1; 06-JAN-2010 09:28:35; Dark ; 49.5; 54; 5The Cen ; 2.06; 4500;occ; 99; 0;41057  
 16; 5982.4; 06-JAN-2010 09:31:12; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;41057  
 17; 6082.7; 06-JAN-2010 09:32:52; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;41057  
 18; 6206.9; 06-JAN-2010 09:34:56; Dark ; 44.0; 64; Gam Cen ; 2.20; 10600;occ; 88; 0;41057  
 19; 6317.7; 06-JAN-2010 09:36:47; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41057  
 20; 6579.6; 06-JAN-2010 09:41:09; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;41057  
 21; 6706.7; 06-JAN-2010 09:43:16; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;41057  
 22; 6820.8; 06-JAN-2010 09:45:10; Dark ; 42.5; 46; Del Vel ; 1.95; 10600;occ; 85; 0;41057  
 23; 6989.6; 06-JAN-2010 09:47:59; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;41057  
 24; 7120.6; 06-JAN-2010 09:50:10; Dark ; 46.0; 70; Zet Pup ; 2.25; 39000;occ; 92; 0;41057  
 25; 7234.6; 06-JAN-2010 09:52:04; Dark ; 45.0; 117; Pi Pup ; 2.71; 3800;occ; 90; 0;41057  
 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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1; 1603.6; 06-JAN-2010 09:58:49; Dark ; 49.5; 1; 9Alp CMa ; -1.44; 11000;occ; 99; 25;41058  
 2; 2031.0; 06-JAN-2010 10:05:56; Dark ; 48.0; 14; 58Alp Ori ; 0.87; 3000;occ; 96; 0;41058  
 3; 2207.4; 06-JAN-2010 10:08:53; Dark ; 46.5; 44; 24Gam Gem ; 1.93; 11000;occ; 93; 0;41058

4; 2307.8; 06-JAN-2010 10:10:33; Bright; 42.5; 151; 13Mu Gem ; 2.89; 3000;occ; 85; 0;41058  
5; 2551.2; 06-JAN-2010 10:14:36; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;41058  
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  
10; 4354.8; 06-JAN-2010 10:44:40; Bright; 46.0; 180; 27Gam Boo ; 3.04; 8000;occ; 92; 0;41058  
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  
14; 5404.3; 06-JAN-2010 11:02:10; Dark ; 46.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 93; 0;41058  
15; 5826.9; 06-JAN-2010 11:09:12; Dark ; 50.0; 54; 5The Cen ; 2.06; 4500;occ; 100; 0;41058  
16; 5983.4; 06-JAN-2010 11:11:49; Dark ; 44.0; 95; Zet Cen ; 2.55; 26000;occ; 88; 0;41058  
17; 6083.5; 06-JAN-2010 11:13:29; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;41058  
18; 6207.5; 06-JAN-2010 11:15:33; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;41058  
19; 6318.6; 06-JAN-2010 11:17:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41058  
20; 6580.6; 06-JAN-2010 11:21:46; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;41058  
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  
24; 7120.8; 06-JAN-2010 11:30:46; Dark ; 45.0; 70; Zet Pup ; 2.25; 39000;occ; 90; 0;41058  
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  
27; 7485.9; 06-JAN-2010 11:36:51; Dark ; 42.5; 179; 240mi2CMa ; 3.03; 24000;occ; 85; 0;41058

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2; 1591.4; 06-JAN-2010 11:39:13; Dark ; 49.5; 1; 9Alp CMa ; -1.44; 11000;occ; 99; 0;41059  
3; 2030.9; 06-JAN-2010 11:46:32; Dark ; 50.0; 14; 58Alp Ori ; 0.87; 3000;occ; 100; 0;41059  
4; 2207.2; 06-JAN-2010 11:49:28; Dark ; 45.5; 44; 24Gam Gem ; 1.93; 11000;occ; 91; 0;41059  
5; 2307.5; 06-JAN-2010 11:51:09; Bright; 43.5; 151; 13Mu Gem ; 2.89; 3000;occ; 87; 0;41059  
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  
8; 3682.0; 06-JAN-2010 12:14:03; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;41059  
9; 3924.5; 06-JAN-2010 12:18:06; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;41059  
10; 4090.4; 06-JAN-2010 12:20:52; Bright; 47.5; 39; 85Eta UMa ; 1.85; 24000;occ; 95; 0;41059  
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  
18; 6084.0; 06-JAN-2010 12:54:05; Dark ; 43.0; 77; Eps Cen ; 2.30; 28000;occ; 86; 0;41059  
19; 6208.4; 06-JAN-2010 12:56:10; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;41059  
20; 6319.6; 06-JAN-2010 12:58:01; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41059  
21; 6581.5; 06-JAN-2010 13:02:23; Dark ; 49.0; 113; Mu Vel ; 2.69; 5000;occ; 98; 0;41059  
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  
24; 6990.4; 06-JAN-2010 13:09:11; Dark ; 44.0; 34; Gam2Vel ; 1.79; 23000;occ; 88; 0;41059  
25; 7121.2; 06-JAN-2010 13:11:22; Dark ; 46.0; 70; Zet Pup ; 2.25; 39000;occ; 92; 0;41059  
26; 7235.6; 06-JAN-2010 13:13:17; Dark ; 44.5; 117; Pi Pup ; 2.71; 3800;occ; 89; 0;41059  
27; 7397.0; 06-JAN-2010 13:15:58; Dark ; 44.5; 23; 21Eps CMa ; 1.50; 26000;occ; 89; 0;41059  
28; 7486.1; 06-JAN-2010 13:17:27; Dark ; 41.0; 179; 240mi2CMa ; 3.03; 24000;occ; 82; 0;41059

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2; 1591.2; 06-JAN-2010 13:19:48; Dark ; 47.0; 1; 9Alp CMa ; -1.44; 11000;occ; 94; 0;41060  
3; 2031.1; 06-JAN-2010 13:27:08; Dark ; 53.0; 14; 58Alp Ori ; 0.87; 3000;occ; 106; 0;41060  
4; 2207.0; 06-JAN-2010 13:30:04; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;41060  
5; 2307.3; 06-JAN-2010 13:31:44; Bright; 46.5; 151; 13Mu Gem ; 2.89; 3000;occ; 93; 0;41060  
6; 2550.9; 06-JAN-2010 13:35:48; Bright; 37.0; 107; 37The Aur ; 2.65; 11000;occ; 74; 0;41060  
7; 2684.0; 06-JAN-2010 13:38:01; Bright; 39.5; 42; 34Bet Aur ; 1.90; 10200;occ; 79; 0;41060  
8; 3682.2; 06-JAN-2010 13:54:39; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;41060  
9; 3924.5; 06-JAN-2010 13:58:42; Bright; 35.5; 119; 14Eta Dra ; 2.73; 4700;occ; 71; 0;41060  
10; 4090.3; 06-JAN-2010 14:01:27; Bright; 46.5; 39; 85Eta UMa ; 1.85; 24000;occ; 93; 0;41060  
11; 4354.9; 06-JAN-2010 14:05:52; Bright; 44.0; 180; 27Gam Boo ; 3.04; 8000;occ; 88; 0;41060  
12; 4591.9; 06-JAN-2010 14:09:49; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;41060  
13; 4916.8; 06-JAN-2010 14:15:14; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;41060  
14; 5234.6; 06-JAN-2010 14:20:32; Dark ; 43.5; 104; 27Bet Lib ; 2.61; 13100;occ; 87; 0;41060

15; 5405.7; 06-JAN-2010 14:23:23; Dark ; 47.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 95; 0;41060  
 16; 5828.6; 06-JAN-2010 14:30:26; Dark ; 47.0; 54; 5The Cen ; 2.06; 4500;occ; 94; 0;41060  
 17; 5984.5; 06-JAN-2010 14:33:02; Dark ; 40.5; 95; Zet Cen ; 2.55; 26000;occ; 81; 0;41060  
 18; 6084.7; 06-JAN-2010 14:34:42; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;41060  
 19; 6209.4; 06-JAN-2010 14:36:46; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;41060  
 20; 6320.6; 06-JAN-2010 14:38:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41060  
 21; 6582.1; 06-JAN-2010 14:42:59; Dark ; 49.5; 113; Mu Vel ; 2.69; 5000;occ; 99; 0;41060  
 22; 6708.2; 06-JAN-2010 14:45:05; Dark ; 49.5; 71; Iot Car ; 2.25; 7700;occ; 99; 0;41060  
 23; 6822.4; 06-JAN-2010 14:46:59; Dark ; 47.0; 46; Del Vel ; 1.95; 10600;occ; 94; 0;41060  
 24; 6991.1; 06-JAN-2010 14:49:48; Dark ; 42.5; 34; Gam2Vel ; 1.79; 23000;occ; 85; 0;41060  
 25; 7121.8; 06-JAN-2010 14:51:59; Dark ; 44.5; 70; Zet Pup ; 2.25; 39000;occ; 89; 0;41060  
 26; 7235.9; 06-JAN-2010 14:53:53; Dark ; 46.0; 117; Pi Pup ; 2.71; 3800;occ; 92; 0;41060  
 27; 7397.4; 06-JAN-2010 14:56:34; Dark ; 45.5; 23; 21Eps CMa ; 1.50; 26000;occ; 91; 0;41060  
 28; 7486.8; 06-JAN-2010 14:58:04; Dark ; 42.0; 179; 240mi2CMa ; 3.03; 24000;occ; 84; 0;41060

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 2; 1591.6; 06-JAN-2010 15:00:24; Dark ; 45.5; 1; 9Alp CMa ; -1.44; 11000;occ; 91; 0;41061  
 3; 2030.9; 06-JAN-2010 15:07:44; Dark ; 50.5; 14; 58Alp Ori ; 0.87; 3000;occ; 101; 0;41061  
 4; 2207.0; 06-JAN-2010 15:10:40; Dark ; 48.0; 44; 24Gam Gem ; 1.93; 11000;occ; 96; 0;41061  
 5; 2307.0; 06-JAN-2010 15:12:20; Bright; 48.5; 151; 13Mu Gem ; 2.89; 3000;occ; 97; 0;41061  
 6; 2550.8; 06-JAN-2010 15:16:24; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;41061  
 7; 2683.8; 06-JAN-2010 15:18:37; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;41061  
 8; 3682.1; 06-JAN-2010 15:35:15; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;41061  
 9; 3924.5; 06-JAN-2010 15:39:17; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;41061  
 10; 4090.2; 06-JAN-2010 15:42:03; Bright; 50.5; 39; 85Eta UMa ; 1.85; 24000;occ; 101; 0;41061  
 11; 4355.1; 06-JAN-2010 15:46:28; Bright; 50.0; 180; 27Gam Boo ; 3.04; 8000;occ; 100; 0;41061  
 12; 4592.3; 06-JAN-2010 15:50:25; Bright; 66.0; 83; ; 2.38; 11000;occ; 132; 0;41061  
 13; 4917.1; 06-JAN-2010 15:55:50; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;41061  
 14; 5235.1; 06-JAN-2010 16:01:08; Dark ; 45.0; 104; 27Bet Lib ; 2.61; 13100;occ; 90; 0;41061  
 15; 5407.0; 06-JAN-2010 16:04:00; Dark ; 44.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 89; 0;41061  
 16; 5829.4; 06-JAN-2010 16:11:02; Dark ; 52.5; 54; 5The Cen ; 2.06; 4500;occ; 105; 0;41061  
 17; 5985.4; 06-JAN-2010 16:13:38; Dark ; 42.5; 95; Zet Cen ; 2.55; 26000;occ; 85; 0;41061  
 18; 6085.4; 06-JAN-2010 16:15:18; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;41061  
 19; 6210.3; 06-JAN-2010 16:17:23; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;41061  
 20; 6321.6; 06-JAN-2010 16:19:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41061  
 21; 6583.1; 06-JAN-2010 16:23:36; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;41061  
 22; 6708.6; 06-JAN-2010 16:25:42; Dark ; 49.0; 71; Iot Car ; 2.25; 7700;occ; 98; 0;41061  
 23; 6823.0; 06-JAN-2010 16:27:36; Dark ; 47.5; 46; Del Vel ; 1.95; 10600;occ; 95; 0;41061  
 24; 6991.6; 06-JAN-2010 16:30:25; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;41061  
 25; 7122.5; 06-JAN-2010 16:32:35; Dark ; 44.0; 70; Zet Pup ; 2.25; 39000;occ; 88; 0;41061  
 26; 7236.2; 06-JAN-2010 16:34:29; Dark ; 45.0; 117; Pi Pup ; 2.71; 3800;occ; 90; 0;41061

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 2; 1361.5; 06-JAN-2010 16:37:10; Dark ; 43.0; 23; 21Eps CMa ; 1.50; 26000;occ; 86; 0;41062  
 3; 1450.9; 06-JAN-2010 16:38:40; Dark ; 43.5; 179; 240mi2CMa ; 3.03; 24000;occ; 87; 0;41062  
 4; 1591.7; 06-JAN-2010 16:41:01; Dark ; 48.0; 1; 9Alp CMa ; -1.44; 11000;occ; 96; 0;41062  
 5; 2031.0; 06-JAN-2010 16:48:20; Dark ; 53.0; 14; 58Alp Ori ; 0.87; 3000;occ; 106; 0;41062  
 6; 2207.0; 06-JAN-2010 16:51:16; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;41062  
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21;	1452.2;	07-JAN-2010	06:03:29;	Dark	;	41.5;	179;	240mi2CMA	;	3.03;	24000;occ;	83;	0;	41070
22;	1592.6;	07-JAN-2010	06:05:49;	Dark	;	46.5;	1;	9Alp CMA	;	-1.44;	11000;occ;	93;	0;	41070
23;	2031.0;	07-JAN-2010	06:13:07;	Dark	;	53.0;	14;	58Alp Ori	;	0.87;	3000;occ;	106;	0;	41070
24;	2205.1;	07-JAN-2010	06:16:01;	Dark	;	45.5;	44;	24Gam Gem	;	1.93;	11000;occ;	91;	0;	41070
25;	2305.6;	07-JAN-2010	06:17:42;	Bright;		47.0;	151;	13Mu Gem	;	2.89;	3000;occ;	94;	0;	41070
26;	2549.6;	07-JAN-2010	06:21:46;	Bright;		37.5;	107;	37The Aur	;	2.65;	11000;occ;	75;	0;	41070
27;	2682.5;	07-JAN-2010	06:23:59;	Bright;		36.5;	42;	34Bet Aur	;	1.90;	10200;occ;	73;	0;	41070

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1;	81.9;	07-JAN-2010	22:26:38;	Dark	;	48.5;	10;	Bet Cen	;	0.61;	28000;occ;	97;	0;	41080
2;	222.7;	07-JAN-2010	22:28:58;	Dark	;	39.5;	20;	Bet Cru	;	1.25;	30000;occ;	79;	0;	41080
3;	302.6;	07-JAN-2010	22:30:18;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	41080
4;	481.3;	07-JAN-2010	22:33:17;	Dark	;	37.0;	124;	The Car	;	2.76;	30000;occ;	74;	0;	41080
5;	574.3;	07-JAN-2010	22:34:50;	Dark	;	39.0;	159;	Ups Car	;	2.92;	7200;occ;	78;	0;	41080
6;	681.7;	07-JAN-2010	22:36:37;	Dark	;	42.0;	71;	Iot Car	;	2.25;	7700;occ;	84;	0;	41080
7;	767.2;	07-JAN-2010	22:38:03;	Dark	;	45.0;	41;	Eps Car	;	1.86;	4100;occ;	90;	0;	41080
8;	963.3;	07-JAN-2010	22:41:19;	Dark	;	45.0;	34;	Gam2Vel	;	1.79;	23000;occ;	90;	0;	41080
9;	1094.2;	07-JAN-2010	22:43:30;	Dark	;	43.5;	70;	Zet Pup	;	2.25;	39000;occ;	87;	0;	41080
10;	1206.0;	07-JAN-2010	22:45:22;	Dark	;	46.5;	117;	Pi Pup	;	2.71;	3800;occ;	93;	0;	41080
11;	1365.9;	07-JAN-2010	22:48:02;	Dark	;	44.5;	23;	21Eps CMA	;	1.50;	26000;occ;	89;	0;	41080
12;	1454.2;	07-JAN-2010	22:49:30;	Dark	;	42.0;	179;	240mi2CMA	;	3.03;	24000;occ;	84;	0;	41080
13;	1594.0;	07-JAN-2010	22:51:50;	Dark	;	46.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	92;	0;	41080
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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1;	-756.0;	07-JAN-2010	23:53:16;	Dark	;	47.0;	104;	27Bet Lib	;	2.61;	13100;occ;	94;	68;	41080
2;	-650.3;	07-JAN-2010	23:55:01;	Dark	;	42.0;	80;	7Del Sco	;	2.32;	30000;occ;	84;	0;	41080
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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1;	2031.0;	07-JAN-2010	07:53:43;	Dark	;	48.0;	14;	58Alp Ori	;	0.87;	3000;occ;	96;	0;	41071
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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 16; 6091.7; 07-JAN-2010 09:01:24; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 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  
 19; 6591.8; 07-JAN-2010 09:09:44; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;41071  
 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  
 25; 7400.0; 07-JAN-2010 09:23:12; Dark ; 43.5; 23; 21Eps CMA ; 1.50; 26000;occ; 87; 0;41071  
 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  
 14; 5838.7; 07-JAN-2010 10:37:47; Dark ; 50.5; 54; 5The Cen ; 2.06; 4500;occ; 101; 0;41072  
 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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 18; 6331.8; 07-JAN-2010 10:46:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41072  
 19; 6592.5; 07-JAN-2010 10:50:21; Dark ; 53.0; 113; Mu Vel ; 2.69; 5000;occ; 106; 0;41072  
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 21; 6828.2; 07-JAN-2010 10:54:16; Dark ; 40.5; 46; Del Vel ; 1.95; 10600;occ; 81; 0;41072  
 22; 6996.3; 07-JAN-2010 10:57:05; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;41072  
 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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 25; 7400.0; 07-JAN-2010 11:03:48; Dark ; 44.0; 23; 21Eps CMA ; 1.50; 26000;occ; 88; 0;41072  
 26; 7488.9; 07-JAN-2010 11:05:17; Dark ; 42.0; 179; 240mi2CMA ; 3.03; 24000;occ; 84; 0;41072  
 27; 7629.0; 07-JAN-2010 11:07:37; Dark ; 47.5; 1; 9Alp CMA ; -1.44; 11000;occ; 95; 0;41072

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 3; 2204.3; 07-JAN-2010 11:17:48; Dark ; 44.5; 44; 24Gam Gem ; 1.93; 11000;occ; 89; 0;41073  
 4; 2304.9; 07-JAN-2010 11:19:29; Bright; 55.5; 151; 13Mu Gem ; 2.89; 3000;occ; 111; 0;41073  
 5; 2549.1; 07-JAN-2010 11:23:33; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;41073  
 6; 2682.2; 07-JAN-2010 11:25:46; Bright; 38.0; 42; 34Bet Aur ; 1.90; 10200;occ; 76; 0;41073  
 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  
 13; 5241.7; 07-JAN-2010 12:08:26; Dark ; 45.0; 104; 27Bet Lib ; 2.61; 13100;occ; 90; 0;41073  
 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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 16; 5993.7; 07-JAN-2010 12:20:58; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;41073  
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 18; 6255.1; 07-JAN-2010 12:25:19; Dark ; 43.0; 20; Bet Cru ; 1.25; 30000;occ; 86; 0;41073  
 19; 6332.7; 07-JAN-2010 12:26:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41073  
 20; 6593.4; 07-JAN-2010 12:30:58; Dark ; 53.0; 113; Mu Vel ; 2.69; 5000;occ; 106; 0;41073  
 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  
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13; 2202.6; 08-JAN-2010 02:23:10; Dark ; 47.0; 44; 24Gam Gem ; 1.93; 11000;occ; 94; 0;41082
14; 2303.3; 08-JAN-2010 02:24:51; Bright; 44.5; 151; 13Mu Gem ; 2.89; 3000;occ; 89; 0;41082
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26;	2395.4;	08-JAN-2010	05:47:35;	Bright;	38.5;	28;	12Bet Tau	; 1.65;	15200;occ;	77;	0;41084
27;	2547.9;	08-JAN-2010	05:50:07;	Bright;	37.0;	107;	37The Aur	; 2.65;	11000;occ;	74;	0;41084
28;	2680.7;	08-JAN-2010	05:52:20;	Bright;	38.5;	42;	34Bet Aur	; 1.90;	10200;occ;	77;	0;41084
29;	3423.9;	08-JAN-2010	06:04:43;	Bright;	37.0;	49;	1Alp UMi	; 1.99;	6300;occ;	74;	0;41084
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13; 999.8; 14-JAN-2010 02:14:37; Dark ; 43.0; 34; Gam2Vel ; 1.79; 23000;occ; 86; 0;41168

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 23; 2672.5; 14-JAN-2010 02:42:30; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;41168  
 24; 3424.9; 14-JAN-2010 02:55:02; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;41168

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 19; 800.8; 14-JAN-2010 03:51:54; Dark ; 45.5; 41; Eps Car ; 1.86; 4100;occ; 91; 0;41169  
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 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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 19; 724.6; 14-JAN-2010 05:31:14; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;41170  
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 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  
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 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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 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  
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 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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 5; 2672.6; 14-JAN-2010 07:44:18; Bright; 37.5; 42; 34Bet Aur ; 1.90; 10200;occ; 75; 0;41171  
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 9; 4451.4; 14-JAN-2010 08:13:56; Bright; 37.0; 133; 40Zet Her ; 2.81; 6000;occ; 74; 0;41171  
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 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  
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 16; 5754.1; 14-JAN-2010 08:35:39; Dark ; 41.0; 131; Gam Lup ; 2.80; 26000;occ; 82; 0;41171  
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 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  
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 25; 6761.3; 14-JAN-2010 08:52:26; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;41171  
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 5; 2672.6; 14-JAN-2010 09:24:54; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;41172  
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22; 6425.9; 14-JAN-2010 10:27:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41172
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 2; -933.9; 16-JAN-2010 02:19:45; Bright; 56.0; 120; 1Del Oph ; 2.73; 3200;occ; 112; 0;41196  
 3; -852.6; 16-JAN-2010 02:21:06; Bright; 54.0; 98; 13Zet Oph ; 2.57; 30000;occ; 108; 0;41196  
 4; -585.3; 16-JAN-2010 02:25:34; Dark ; 53.0; 16; 21Alp Sco ; 1.02; 3000;occ; 106; 0;41196  
 5; -268.7; 16-JAN-2010 02:30:50; Dark ; 40.0; 131; Gam Lup ; 2.80; 26000;occ; 80; 0;41196  
 6; -162.6; 16-JAN-2010 02:32:36; Dark ; 40.5; 109; Bet Lup ; 2.68; 26000;occ; 81; 0;41196  
 7; -80.5; 16-JAN-2010 02:33:58; Dark ; 53.0; 54; 5The Cen ; 2.06; 4500;occ; 106; 0;41196  
 8; 81.5; 16-JAN-2010 02:36:40; Dark ; 40.0; 4; Alp1Cen ; -0.01; 5800;occ; 80; 0;41197  
 9; 294.0; 16-JAN-2010 02:40:13; Dark ; 42.5; 20; Bet Cru ; 1.25; 30000;occ; 85; 0;41197  
 10; 412.4; 16-JAN-2010 02:42:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41197  
 11; 539.5; 16-JAN-2010 02:44:18; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;41197  
 12; 620.0; 16-JAN-2010 02:45:39; Dark ; 41.5; 29; Bet Car ; 1.67; 10200;occ; 83; 0;41197  
 13; 736.3; 16-JAN-2010 02:47:35; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;41197  
 14; 848.2; 16-JAN-2010 02:49:27; Dark ; 48.5; 46; Del Vel ; 1.95; 10600;occ; 97; 0;41197  
 15; 1011.0; 16-JAN-2010 02:52:10; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;41197  
 16; 1139.2; 16-JAN-2010 02:54:18; Dark ; 42.0; 70; Zet Pup ; 2.25; 39000;occ; 84; 0;41197  
 17; 1238.4; 16-JAN-2010 02:55:57; Dark ; 45.0; 117; Pi Pup ; 2.71; 3800;occ; 90; 0;41197  
 18; 1391.6; 16-JAN-2010 02:58:31; Dark ; 44.0; 23; 21Eps CMa ; 1.50; 26000;occ; 88; 0;41197  
 19; 1476.6; 16-JAN-2010 02:59:56; Dark ; 40.5; 179; 24Omi2CMa ; 3.03; 24000;occ; 81; 0;41197  
 20; 1609.7; 16-JAN-2010 03:02:09; Dark ; 43.0; 1; 9Alp CMa ; -1.44; 11000;occ; 86; 0;41197  
 21; 2039.7; 16-JAN-2010 03:09:19; Dark ; 49.0; 14; 58Alp Ori ; 0.87; 3000;occ; 98; 0;41197  
 22; 2188.0; 16-JAN-2010 03:11:47; Dark ; 44.0; 44; 24Gam Gem ; 1.93; 11000;occ; 88; 0;41197  
 23; 2540.5; 16-JAN-2010 03:17:39; Bright; 36.5; 107; 37The Aur ; 2.65; 11000;occ; 73; 0;41197  
 24; 2671.4; 16-JAN-2010 03:19:50; Bright; 37.5; 42; 34Bet Aur ; 1.90; 10200;occ; 75; 0;41197  
 25; 3425.2; 16-JAN-2010 03:32:24; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;41197

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1; -2374.6; 16-JAN-2010 03:36:20; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;41197  
 2; -2114.2; 16-JAN-2010 03:40:41; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;41197  
 3; -1958.4; 16-JAN-2010 03:43:17; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;41197  
 4; -1581.1; 16-JAN-2010 03:49:34; Bright; 34.5; 133; 40Zet Her ; 2.81; 6000;occ; 69; 0;41197  
 5; -1394.0; 16-JAN-2010 03:52:41; Bright; 55.0; 127; 27Bet Her ; 2.78; 4700;occ; 110; 0;41197  
 6; -1060.6; 16-JAN-2010 03:58:14; Bright; 50.5; 102; 24Alp Ser ; 2.60; 4250;occ; 101; 0;41197  
 7; -933.3; 16-JAN-2010 04:00:22; Bright; 53.5; 120; 1Del Oph ; 2.73; 3200;occ; 107; 0;41197  
 8; -852.6; 16-JAN-2010 04:01:42; Bright; 54.0; 98; 13Zet Oph ; 2.57; 30000;occ; 108; 0;41197  
 9; -584.7; 16-JAN-2010 04:06:10; Dark ; 46.5; 16; 21Alp Sco ; 1.02; 3000;occ; 93; 0;41197  
 10; -268.5; 16-JAN-2010 04:11:27; Dark ; 41.0; 131; Gam Lup ; 2.80; 26000;occ; 82; 0;41197  
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 12; 81.7; 16-JAN-2010 04:17:17; Dark ; 48.5; 4; Alp1Cen ; -0.01; 5800;occ; 97; 0;41198  
 13; 294.6; 16-JAN-2010 04:20:50; Dark ; 51.0; 20; Bet Cru ; 1.25; 30000;occ; 102; 0;41198  
 14; 413.3; 16-JAN-2010 04:22:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41198  
 15; 539.7; 16-JAN-2010 04:24:55; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;41198  
 16; 619.9; 16-JAN-2010 04:26:15; Dark ; 45.5; 29; Bet Car ; 1.67; 10200;occ; 91; 0;41198  
 17; 736.7; 16-JAN-2010 04:28:12; Dark ; 39.5; 71; Iot Car ; 2.25; 7700;occ; 79; 0;41198  
 18; 848.6; 16-JAN-2010 04:30:04; Dark ; 45.0; 46; Del Vel ; 1.95; 10600;occ; 90; 0;41198  
 19; 1011.2; 16-JAN-2010 04:32:46; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;41198  
 20; 1139.7; 16-JAN-2010 04:34:55; Dark ; 42.0; 70; Zet Pup ; 2.25; 39000;occ; 84; 0;41198  
 21; 1239.0; 16-JAN-2010 04:36:34; Dark ; 43.0; 117; Pi Pup ; 2.71; 3800;occ; 86; 0;41198  
 22; 1391.9; 16-JAN-2010 04:39:07; Dark ; 44.0; 23; 21Eps CMa ; 1.50; 26000;occ; 88; 0;41198  
 23; 1477.1; 16-JAN-2010 04:40:32; Dark ; 40.0; 179; 24Omi2CMa ; 3.03; 24000;occ; 80; 0;41198  
 24; 1610.0; 16-JAN-2010 04:42:45; Dark ; 46.5; 1; 9Alp CMa ; -1.44; 11000;occ; 93; 0;41198  
 25; 2039.7; 16-JAN-2010 04:49:55; Dark ; 46.5; 14; 58Alp Ori ; 0.87; 3000;occ; 93; 0;41198  
 26; 2188.1; 16-JAN-2010 04:52:23; Dark ; 45.0; 44; 24Gam Gem ; 1.93; 11000;occ; 90; 0;41198  
 27; 2291.6; 16-JAN-2010 04:54:07; Bright; 43.5; 151; 13Mu Gem ; 2.89; 3000;occ; 87; 0;41198  
 28; 2540.6; 16-JAN-2010 04:58:16; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;41198  
 29; 2671.5; 16-JAN-2010 05:00:26; Bright; 36.0; 42; 34Bet Aur ; 1.90; 10200;occ; 72; 0;41198  
 30; 3425.5; 16-JAN-2010 05:13:01; Bright; 39.0; 49; 1Alp UMi ; 1.99; 6300;occ; 78; 0;41198  
 31; 3661.7; 16-JAN-2010 05:16:57; Bright; 21.0; 60; 7Bet UMi ; 2.08; 3950;occ; 42; 0;41198

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 5; -1393.7; 16-JAN-2010 05:33:17; Bright; 55.0; 127; 27Bet Her ; 2.78; 4700;occ; 110; 0;41198  
 6; -1060.0; 16-JAN-2010 05:38:51; Bright; 41.5; 102; 24Alp Ser ; 2.60; 4250;occ; 83; 0;41198  
 7; -933.1; 16-JAN-2010 05:40:58; Bright; 56.0; 120; 1Del Oph ; 2.73; 3200;occ; 112; 0;41198  
 8; -852.1; 16-JAN-2010 05:42:19; Bright; 33.5; 98; 13Zet Oph ; 2.57; 30000;occ; 67; 0;41198  
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11;	-161.3;	16-JAN-2010	05:53:50;	Dark	;	41.5;	109;	Bet Lup	;	2.68;	26000;occ;	83;	0;	41198
12;	-78.5;	16-JAN-2010	05:55:12;	Dark	;	50.5;	54;	5The Cen	;	2.06;	4500;occ;	101;	0;	41198
13;	82.1;	16-JAN-2010	05:57:53;	Dark	;	54.0;	4;	Alp1Cen	;	-0.01;	5800;occ;	108;	0;	41199
14;	295.3;	16-JAN-2010	06:01:26;	Dark	;	41.5;	20;	Bet Cru	;	1.25;	30000;occ;	83;	0;	41199
15;	414.2;	16-JAN-2010	06:03:25;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	41199
16;	540.4;	16-JAN-2010	06:05:31;	Dark	;	39.5;	124;	The Car	;	2.76;	30000;occ;	79;	0;	41199
17;	621.7;	16-JAN-2010	06:06:53;	Dark	;	46.0;	29;	Bet Car	;	1.67;	10200;occ;	92;	0;	41199
18;	737.3;	16-JAN-2010	06:08:48;	Dark	;	39.5;	71;	Iot Car	;	2.25;	7700;occ;	79;	0;	41199
19;	849.0;	16-JAN-2010	06:10:40;	Dark	;	41.0;	46;	Del Vel	;	1.95;	10600;occ;	82;	0;	41199
20;	1011.6;	16-JAN-2010	06:13:23;	Dark	;	45.0;	34;	Gam2Vel	;	1.79;	23000;occ;	90;	0;	41199
21;	1140.0;	16-JAN-2010	06:15:31;	Dark	;	43.0;	70;	Zet Pup	;	2.25;	39000;occ;	86;	0;	41199
22;	1239.3;	16-JAN-2010	06:17:10;	Dark	;	43.5;	117;	Pi Pup	;	2.71;	3800;occ;	87;	0;	41199
23;	1392.1;	16-JAN-2010	06:19:43;	Dark	;	43.0;	23;	21Eps CMA	;	1.50;	26000;occ;	86;	0;	41199
24;	1477.1;	16-JAN-2010	06:21:08;	Dark	;	41.0;	179;	240mi2CMA	;	3.03;	24000;occ;	82;	0;	41199
25;	1610.0;	16-JAN-2010	06:23:21;	Dark	;	48.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	96;	0;	41199
26;	2040.0;	16-JAN-2010	06:30:31;	Dark	;	44.0;	14;	58Alp Ori	;	0.87;	3000;occ;	88;	0;	41199
27;	2188.1;	16-JAN-2010	06:32:59;	Dark	;	36.5;	44;	24Gam Gem	;	1.93;	11000;occ;	73;	0;	41199
28;	2291.3;	16-JAN-2010	06:34:42;	Bright;	;	53.0;	151;	13Mu Gem	;	2.89;	3000;occ;	106;	0;	41199
29;	2540.5;	16-JAN-2010	06:38:51;	Bright;	;	37.0;	107;	37The Aur	;	2.65;	11000;occ;	74;	0;	41199
30;	2671.4;	16-JAN-2010	06:41:02;	Bright;	;	37.0;	42;	34Bet Aur	;	1.90;	10200;occ;	74;	0;	41199
31;	3425.3;	16-JAN-2010	06:53:36;	Bright;	;	38.0;	49;	1Alp UMi	;	1.99;	6300;occ;	76;	0;	41199
32;	3661.3;	16-JAN-2010	06:57:32;	Bright;	;	17.0;	60;	7Bet UMi	;	2.08;	3950;occ;	34;	0;	41199
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3;	1142.5;	16-JAN-2010	19:40:21;	Dark	;	42.5;	70;	Zet Pup	;	2.25;	39000;occ;	85;	0;	41207
4;	1241.1;	16-JAN-2010	19:42:00;	Dark	;	46.5;	117;	Pi Pup	;	2.71;	3800;occ;	93;	0;	41207
5;	1393.7;	16-JAN-2010	19:44:32;	Dark	;	42.5;	23;	21Eps CMA	;	1.50;	26000;occ;	85;	0;	41207
6;	1478.5;	16-JAN-2010	19:45:57;	Dark	;	39.5;	179;	240mi2CMA	;	3.03;	24000;occ;	79;	0;	41207
7;	1611.1;	16-JAN-2010	19:48:10;	Dark	;	36.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	72;	0;	41207
8;	2040.9;	16-JAN-2010	19:55:19;	Dark	;	47.5;	14;	58Alp Ori	;	0.87;	3000;occ;	95;	0;	41207
9;	2187.6;	16-JAN-2010	19:57:46;	Dark	;	54.0;	44;	24Gam Gem	;	1.93;	11000;occ;	108;	0;	41207
10;	2291.2;	16-JAN-2010	19:59:30;	Bright;	;	43.0;	151;	13Mu Gem	;	2.89;	3000;occ;	86;	0;	41207
11;	2540.7;	16-JAN-2010	20:03:39;	Bright;	;	37.0;	107;	37The Aur	;	2.65;	11000;occ;	74;	0;	41207
12;	2671.5;	16-JAN-2010	20:05:50;	Bright;	;	38.0;	42;	34Bet Aur	;	1.90;	10200;occ;	76;	0;	41207
13;	3425.1;	16-JAN-2010	20:18:24;	Bright;	;	37.0;	49;	1Alp UMi	;	1.99;	6300;occ;	74;	0;	41207
14;	3659.6;	16-JAN-2010	20:22:18;	Bright;	;	36.5;	60;	7Bet UMi	;	2.08;	3950;occ;	73;	0;	41207
15;	3920.9;	16-JAN-2010	20:26:39;	Bright;	;	54.0;	119;	14Eta Dra	;	2.73;	4700;occ;	108;	0;	41207
16;	4078.4;	16-JAN-2010	20:29:17;	Bright;	;	33.5;	130;	23Bet Dra	;	2.80;	5800;occ;	67;	0;	41207
17;	4456.3;	16-JAN-2010	20:35:35;	Bright;	;	36.5;	133;	40Zet Her	;	2.81;	6000;occ;	73;	0;	41207
18;	4644.3;	16-JAN-2010	20:38:43;	Bright;	;	37.0;	127;	27Bet Her	;	2.78;	4700;occ;	74;	0;	41207
19;	4980.5;	16-JAN-2010	20:44:19;	Bright;	;	63.0;	102;	24Alp Ser	;	2.60;	4250;occ;	126;	0;	41207
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2;	-848.8;	16-JAN-2010	20:47:46;	Bright;	;	54.0;	98;	13Zet Oph	;	2.57;	30000;occ;	108;	0;	41207
3;	-581.1;	16-JAN-2010	20:52:13;	Dark	;	53.0;	16;	21Alp Sco	;	1.02;	3000;occ;	106;	0;	41207
4;	-262.9;	16-JAN-2010	20:57:31;	Dark	;	40.5;	131;	Gam Lup	;	2.80;	26000;occ;	81;	0;	41207
5;	-155.2;	16-JAN-2010	20:59:19;	Dark	;	40.0;	109;	Bet Lup	;	2.68;	26000;occ;	80;	0;	41207
6;	-69.3;	16-JAN-2010	21:00:45;	Dark	;	31.0;	54;	5The Cen	;	2.06;	4500;occ;	62;	0;	41207
7;	86.2;	16-JAN-2010	21:03:21;	Dark	;	40.5;	4;	Alp1Cen	;	-0.01;	5800;occ;	81;	0;	41208
8;	300.9;	16-JAN-2010	21:06:55;	Dark	;	44.5;	20;	Bet Cru	;	1.25;	30000;occ;	89;	0;	41208
9;	422.6;	16-JAN-2010	21:08:57;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	41208
10;	544.6;	16-JAN-2010	21:10:59;	Dark	;	39.0;	124;	The Car	;	2.76;	30000;occ;	78;	0;	41208
11;	628.9;	16-JAN-2010	21:12:23;	Dark	;	38.5;	159;	Ups Car	;	2.92;	7200;occ;	77;	0;	41208
12;	741.0;	16-JAN-2010	21:14:15;	Dark	;	40.5;	71;	Iot Car	;	2.25;	7700;occ;	81;	0;	41208
13;	852.5;	16-JAN-2010	21:16:07;	Dark	;	45.0;	46;	Del Vel	;	1.95;	10600;occ;	90;	0;	41208
14;	1014.8;	16-JAN-2010	21:18:49;	Dark	;	41.5;	34;	Gam2Vel	;	1.79;	23000;occ;	83;	0;	41208
15;	1143.1;	16-JAN-2010	21:20:57;	Dark	;	42.0;	70;	Zet Pup	;	2.25;	39000;occ;	84;	0;	41208
16;	1241.5;	16-JAN-2010	21:22:36;	Dark	;	43.0;	117;	Pi Pup	;	2.71;	3800;occ;	86;	0;	41208
17;	1393.8;	16-JAN-2010	21:25:08;	Dark	;	43.0;	23;	21Eps CMA	;	1.50;	26000;occ;	86;	0;	41208
18;	1478.6;	16-JAN-2010	21:26:33;	Dark	;	40.5;	179;	240mi2CMA	;	3.03;	24000;occ;	81;	0;	41208
19;	1611.3;	16-JAN-2010	21:28:46;	Dark	;	36.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	72;	0;	41208
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21;	2187.4;	16-JAN-2010	21:38:22;	Dark	;	54.0;	44;	24Gam Gem	;	1.93;	11000;occ;	108;	0;	41208
22;	2291.2;	16-JAN-2010	21:40:06;	Bright;	;	41.0;	151;	13Mu Gem	;	2.89;	3000;occ;	82;	0;	41208
23;	2540.5;	16-JAN-2010	21:44:15;	Bright;	;	38.0;	107;	37The Aur	;	2.65;	11000;occ;	76;	0;	41208

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 25; 3425.1; 16-JAN-2010 21:58:59; Bright; 52.0; 49; 1Alp UMi ; 1.99; 6300;occ; 104; 0;41208  
 26; 3659.7; 16-JAN-2010 22:02:54; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;41208  
 27; 3921.0; 16-JAN-2010 22:07:15; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;41208  
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 29; 4456.7; 16-JAN-2010 22:16:11; Bright; 36.0; 133; 40Zet Her ; 2.81; 6000;occ; 72; 0;41208  
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 13; 3646.4; 21-JAN-2010 19:24:36; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;41278  
 14; 3915.9; 21-JAN-2010 19:29:05; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;41278  
 15; 4083.6; 21-JAN-2010 19:31:53; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;41278  
 16; 4466.5; 21-JAN-2010 19:38:16; Bright; 37.5; 133; 40Zet Her ; 2.81; 6000;occ; 75; 0;41278  
 17; 4661.5; 21-JAN-2010 19:41:31; Bright; 37.5; 127; 27Bet Her ; 2.78; 4700;occ; 75; 0;41278  
 18; 4760.5; 21-JAN-2010 19:43:10; Bright; 34.0; 59; 55Alp Oph ; 2.08; 8900;occ; 68; 0;41278  
 19; 5217.0; 21-JAN-2010 19:50:46; Dark ; 48.5; 98; 13Zet Oph ; 2.57; 30000;occ; 97; 0;41278  
 20; 5486.6; 21-JAN-2010 19:55:16; Dark ; 48.0; 16; 21Alp Sco ; 1.02; 3000;occ; 96; 0;41278  
 21; 5577.5; 21-JAN-2010 19:56:47; Dark ; 44.0; 75; 26Eps Sco ; 2.29; 4250;occ; 88; 0;41278  
 22; 5815.0; 21-JAN-2010 20:00:44; Dark ; 41.0; 131; Gam Lup ; 2.80; 26000;occ; 82; 0;41278  
 23; 5931.3; 21-JAN-2010 20:02:40; Dark ; 42.0; 109; Bet Lup ; 2.68; 26000;occ; 84; 0;41278  
 24; 6021.2; 21-JAN-2010 20:04:10; Dark ; 42.0; 78; Alp Lup ; 2.30; 28000;occ; 84; 0;41278



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2;	-457.6;	22-JAN-2010	00:58:35;	Dark	;	44.0;	75;	26Eps Sco	;	2.29;	4250;	occ;	88;	0;	41281
3;	-219.2;	22-JAN-2010	01:02:34;	Dark	;	41.5;	131;	Gam Lup	;	2.80;	26000;	occ;	83;	0;	41281
4;	-102.5;	22-JAN-2010	01:04:30;	Dark	;	43.5;	109;	Bet Lup	;	2.68;	26000;	occ;	87;	0;	41281
5;	-12.7;	22-JAN-2010	01:06:00;	Dark	;	41.5;	78;	Alp Lup	;	2.30;	28000;	occ;	83;	0;	41281
6;	120.7;	22-JAN-2010	01:08:13;	Dark	;	45.0;	4;	Alp1Cen	;	-0.01;	5800;	occ;	90;	0;	41282
7;	201.0;	22-JAN-2010	01:09:34;	Dark	;	41.5;	77;	Eps Cen	;	2.30;	28000;	occ;	83;	0;	41282
8;	392.0;	22-JAN-2010	01:12:45;	Dark	;	48.5;	12;	Alp1Cru	;	0.77;	30000;	occ;	97;	0;	41282
9;	489.8;	22-JAN-2010	01:14:23;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	41282
10;	579.3;	22-JAN-2010	01:15:52;	Dark	;	39.5;	124;	The Car	;	2.76;	30000;	occ;	79;	0;	41282
11;	658.1;	22-JAN-2010	01:17:11;	Dark	;	42.5;	159;	Ups Car	;	2.92;	7200;	occ;	85;	0;	41282
12;	771.9;	22-JAN-2010	01:19:05;	Dark	;	44.0;	71;	Iot Car	;	2.25;	7700;	occ;	88;	0;	41282
13;	881.5;	22-JAN-2010	01:20:54;	Dark	;	43.5;	46;	Del Vel	;	1.95;	10600;	occ;	87;	0;	41282
14;	1039.7;	22-JAN-2010	01:23:32;	Dark	;	44.5;	34;	Gam2Vel	;	1.79;	23000;	occ;	89;	0;	41282
15;	1166.6;	22-JAN-2010	01:25:39;	Dark	;	43.0;	70;	Zet Pup	;	2.25;	39000;	occ;	86;	0;	41282
16;	1258.8;	22-JAN-2010	01:27:12;	Dark	;	43.5;	117;	Pi Pup	;	2.71;	3800;	occ;	87;	0;	41282
17;	1408.3;	22-JAN-2010	01:29:41;	Dark	;	44.0;	23;	21Eps CMA	;	1.50;	26000;	occ;	88;	0;	41282
18;	1491.7;	22-JAN-2010	01:31:05;	Dark	;	41.5;	179;	240mi2CMA	;	3.03;	24000;	occ;	83;	0;	41282
19;	1621.9;	22-JAN-2010	01:33:15;	Dark	;	45.0;	1;	9Alp CMA	;	-1.44;	11000;	occ;	90;	0;	41282
20;	1998.6;	22-JAN-2010	01:39:31;	Dark	;	49.5;	8;	10Alp CMI	;	0.40;	6500;	occ;	99;	0;	41282
21;	2186.4;	22-JAN-2010	01:42:39;	Dark	;	47.5;	44;	24Gam Gem	;	1.93;	11000;	occ;	95;	0;	41282
22;	2292.0;	22-JAN-2010	01:44:25;	Bright;	;	42.0;	151;	13Mu Gem	;	2.89;	3000;	occ;	84;	0;	41282
23;	2427.8;	22-JAN-2010	01:46:41;	Bright;	;	45.5;	17;	78Bet Gem	;	1.16;	4500;	occ;	91;	0;	41282
24;	2544.2;	22-JAN-2010	01:48:37;	Bright;	;	36.0;	107;	37The Aur	;	2.65;	11000;	occ;	72;	0;	41282
25;	2673.2;	22-JAN-2010	01:50:46;	Bright;	;	36.5;	42;	34Bet Aur	;	1.90;	10200;	occ;	73;	0;	41282
26;	3426.2;	22-JAN-2010	02:03:19;	Bright;	;	35.5;	49;	1Alp UMI	;	1.99;	6300;	occ;	71;	0;	41282
27;	3645.9;	22-JAN-2010	02:06:59;	Bright;	;	40.5;	60;	7Bet UMI	;	2.08;	3950;	occ;	81;	0;	41282
28;	3915.6;	22-JAN-2010	02:11:28;	Bright;	;	39.0;	119;	14Eta Dra	;	2.73;	4700;	occ;	78;	0;	41282
29;	4084.0;	22-JAN-2010	02:14:17;	Bright;	;	35.0;	130;	23Bet Dra	;	2.80;	5800;	occ;	70;	0;	41282
30;	4467.1;	22-JAN-2010	02:20:40;	Bright;	;	37.5;	133;	40Zet Her	;	2.81;	6000;	occ;	75;	0;	41282
31;	4663.0;	22-JAN-2010	02:23:56;	Bright;	;	40.5;	127;	27Bet Her	;	2.78;	4700;	occ;	81;	0;	41282
32;	4761.5;	22-JAN-2010	02:25:34;	Bright;	;	34.0;	59;	55Alp Oph	;	2.08;	8900;	occ;	68;	0;	41282

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1;	-2120.4;	22-JAN-2010	03:52:04;	Bright;	;	38.5;	119;	14Eta Dra	;	2.73;	4700;	occ;	77;	0;	41283
2;	-1952.0;	22-JAN-2010	03:54:53;	Bright;	;	37.5;	130;	23Bet Dra	;	2.80;	5800;	occ;	75;	0;	41283
3;	-1568.4;	22-JAN-2010	04:01:16;	Bright;	;	38.5;	133;	40Zet Her	;	2.81;	6000;	occ;	77;	0;	41283
4;	-1372.8;	22-JAN-2010	04:04:32;	Bright;	;	58.0;	127;	27Bet Her	;	2.78;	4700;	occ;	116;	0;	41283
5;	-1274.2;	22-JAN-2010	04:06:10;	Bright;	;	41.0;	59;	55Alp Oph	;	2.08;	8900;	occ;	82;	0;	41283
6;	-546.7;	22-JAN-2010	04:18:18;	Dark	;	49.5;	16;	21Alp Sco	;	1.02;	3000;	occ;	99;	0;	41283
7;	-456.5;	22-JAN-2010	04:19:48;	Dark	;	44.5;	75;	26Eps Sco	;	2.29;	4250;	occ;	89;	0;	41283
8;	-217.6;	22-JAN-2010	04:23:47;	Dark	;	40.0;	131;	Gam Lup	;	2.80;	26000;	occ;	80;	0;	41283
9;	-100.7;	22-JAN-2010	04:25:44;	Dark	;	43.0;	109;	Bet Lup	;	2.68;	26000;	occ;	86;	0;	41283
10;	-11.0;	22-JAN-2010	04:27:14;	Dark	;	42.0;	78;	Alp Lup	;	2.30;	28000;	occ;	84;	0;	41283
11;	121.8;	22-JAN-2010	04:29:26;	Dark	;	54.0;	4;	Alp1Cen	;	-0.01;	5800;	occ;	108;	0;	41284
12;	202.6;	22-JAN-2010	04:30:47;	Dark	;	40.5;	77;	Eps Cen	;	2.30;	28000;	occ;	81;	0;	41284
13;	491.6;	22-JAN-2010	04:35:36;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	41284
14;	580.5;	22-JAN-2010	04:37:05;	Dark	;	38.5;	124;	The Car	;	2.76;	30000;	occ;	77;	0;	41284
15;	659.3;	22-JAN-2010	04:38:24;	Dark	;	38.0;	159;	Ups Car	;	2.92;	7200;	occ;	76;	0;	41284
16;	772.8;	22-JAN-2010	04:40:18;	Dark	;	39.0;	71;	Iot Car	;	2.25;	7700;	occ;	78;	0;	41284
17;	882.6;	22-JAN-2010	04:42:07;	Dark	;	37.5;	46;	Del Vel	;	1.95;	10600;	occ;	75;	0;	41284
18;	1040.7;	22-JAN-2010	04:44:45;	Dark	;	39.5;	34;	Gam2Vel	;	1.79;	23000;	occ;	79;	0;	41284
19;	1167.6;	22-JAN-2010	04:46:52;	Dark	;	41.0;	70;	Zet Pup	;	2.25;	39000;	occ;	82;	0;	41284
20;	1259.8;	22-JAN-2010	04:48:25;	Dark	;	41.5;	117;	Pi Pup	;	2.71;	3800;	occ;	83;	0;	41284
21;	1409.0;	22-JAN-2010	04:50:54;	Dark	;	40.0;	23;	21Eps CMA	;	1.50;	26000;	occ;	80;	0;	41284
22;	1492.3;	22-JAN-2010	04:52:17;	Dark	;	39.5;	179;	240mi2CMA	;	3.03;	24000;	occ;	79;	0;	41284
23;	1622.8;	22-JAN-2010	04:54:28;	Dark	;	44.0;	1;	9Alp CMA	;	-1.44;	11000;	occ;	88;	0;	41284
24;	1999.1;	22-JAN-2010	05:00:44;	Dark	;	47.0;	8;	10Alp CMI	;	0.40;	6500;	occ;	94;	0;	41284
25;	2186.6;	22-JAN-2010	05:03:51;	Dark	;	52.0;	44;	24Gam Gem	;	1.93;	11000;	occ;	104;	0;	41284
26;	2292.4;	22-JAN-2010	05:05:37;	Bright;	;	36.0;	151;	13Mu Gem	;	2.89;	3000;	occ;	72;	0;	41284
27;	2427.3;	22-JAN-2010	05:07:52;	Bright;	;	43.5;	17;	78Bet Gem	;	1.16;	4500;	occ;	87;	0;	41284
28;	2545.0;	22-JAN-2010	05:09:50;	Bright;	;	52.0;	107;	37The Aur	;	2.65;	11000;	occ;	104;	0;	41284
29;	2673.9;	22-JAN-2010	05:11:59;	Bright;	;	35.0;	42;	34Bet Aur	;	1.90;	10200;	occ;	70;	0;	41284
30;	3426.5;	22-JAN-2010	05:24:31;	Bright;	;	35.5;	49;	1Alp UMI	;	1.99;	6300;	occ;	71;	0;	41284
31;	3645.5;	22-JAN-2010	05:28:10;	Bright;	;	40.0;	60;	7Bet UMI	;	2.08;	3950;	occ;	80;	0;	41284

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2;	-2120.7;	22-JAN-2010	05:32:40;	Bright;	;	37.5;	119;	14Eta Dra	;	2.73;	4700;	occ;	75;	0;	41284

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16; 581.0; 22-JAN-2010 06:17:42; Dark ; 39.5; 124; The Car ; 2.76; 30000;occ; 79; 0;41285
17; 659.6; 22-JAN-2010 06:19:00; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41285
18; 773.3; 22-JAN-2010 06:20:54; Dark ; 46.5; 71; Iot Car ; 2.25; 7700;occ; 93; 0;41285
19; 882.8; 22-JAN-2010 06:22:44; Dark ; 40.5; 46; Del Vel ; 1.95; 10600;occ; 81; 0;41285
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21; 1168.0; 22-JAN-2010 06:27:29; Dark ; 41.0; 70; Zet Pup ; 2.25; 39000;occ; 82; 0;41285
22; 1259.9; 22-JAN-2010 06:29:01; Dark ; 45.5; 117; Pi Pup ; 2.71; 3800;occ; 91; 0;41285
23; 1409.2; 22-JAN-2010 06:31:30; Dark ; 42.5; 23; 21Eps CMa ; 1.50; 26000;occ; 85; 0;41285
24; 1492.6; 22-JAN-2010 06:32:53; Dark ; 39.5; 179; 24Omi2CMa ; 3.03; 24000;occ; 79; 0;41285
25; 1623.0; 22-JAN-2010 06:35:04; Dark ; 46.5; 1; 9Alp CMa ; -1.44; 11000;occ; 93; 0;41285
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27; 2186.8; 22-JAN-2010 06:44:27; Dark ; 37.0; 44; 24Gam Gem ; 1.93; 11000;occ; 74; 0;41285
28; 2292.4; 22-JAN-2010 06:46:13; Bright; 35.5; 151; 13Mu Gem ; 2.89; 3000;occ; 71; 0;41285
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31; 2673.8; 22-JAN-2010 06:52:35; Bright; 36.0; 42; 34Bet Aur ; 1.90; 10200;occ; 72; 0;41285
32; 3426.2; 22-JAN-2010 07:05:07; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;41285
33; 3645.1; 22-JAN-2010 07:08:46; Bright; 22.0; 60; 7Bet UMi ; 2.08; 3950;occ; 44; 0;41285
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3; 1410.2; 22-JAN-2010 19:56:18; Dark ; 43.0; 23; 21Eps CMa ; 1.50; 26000;occ; 86; 0;41293
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5; 1623.6; 22-JAN-2010 19:59:52; Dark ; 36.5; 1; 9Alp CMa ; -1.44; 11000;occ; 73; 0;41293
6; 1998.1; 22-JAN-2010 20:06:06; Dark ; 50.0; 8; 10Alp CMi ; 0.40; 6500;occ; 100; 0;41293
7; 2186.8; 22-JAN-2010 20:09:15; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;41293
8; 2292.6; 22-JAN-2010 20:11:01; Bright; 39.5; 151; 13Mu Gem ; 2.89; 3000;occ; 79; 0;41293
9; 2424.1; 22-JAN-2010 20:13:12; Bright; 44.5; 17; 78Bet Gem ; 1.16; 4500;occ; 89; 0;41293
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13; 3914.2; 22-JAN-2010 20:38:02; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;41293
14; 4084.4; 22-JAN-2010 20:40:53; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;41293
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16; 4665.5; 22-JAN-2010 20:50:34; Bright; 39.5; 127; 27Bet Her ; 2.78; 4700;occ; 79; 0;41293
17; 4890.1; 22-JAN-2010 20:54:18; Bright; 33.5; 126; 60Bet Oph ; 2.77; 4250;occ; 67; 0;41293
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2; -542.3; 22-JAN-2010 21:04:22; Dark ; 55.0; 16; 21Alp Sco ; 1.02; 3000;occ; 110; 0;41293
3; -453.0; 22-JAN-2010 21:05:51; Dark ; 45.0; 75; 26Eps Sco ; 2.29; 4250;occ; 90; 0;41293
4; -93.1; 22-JAN-2010 21:11:51; Dark ; 42.5; 109; Bet Lup ; 2.68; 26000;occ; 85; 0;41293
5; -3.6; 22-JAN-2010 21:13:20; Dark ; 43.0; 78; Alp Lup ; 2.30; 28000;occ; 86; 0;41293
6; 210.1; 22-JAN-2010 21:16:54; Dark ; 42.0; 77; Eps Cen ; 2.30; 28000;occ; 84; 0;41294
7; 398.7; 22-JAN-2010 21:20:03; Dark ; 40.5; 12; Alp1Cru ; 0.77; 30000;occ; 81; 0;41294
8; 500.7; 22-JAN-2010 21:21:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41294
9; 776.6; 22-JAN-2010 21:26:21; Dark ; 45.0; 71; Iot Car ; 2.25; 7700;occ; 90; 0;41294
10; 885.8; 22-JAN-2010 21:28:10; Dark ; 43.5; 46; Del Vel ; 1.95; 10600;occ; 87; 0;41294
11; 1043.6; 22-JAN-2010 21:30:48; Dark ; 43.0; 34; Gam2Vel ; 1.79; 23000;occ; 86; 0;41294
12; 1493.8; 22-JAN-2010 21:38:18; Dark ; 39.5; 179; 24Omi2CMa ; 3.03; 24000;occ; 79; 0;41294
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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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 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  
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 16; 531.4; 25-JAN-2010 08:03:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41329  
 17; 675.7; 25-JAN-2010 08:05:37; Dark ; 39.5; 159; Ups Car ; 2.92; 7200;occ; 79; 0;41329  
 18; 1180.5; 25-JAN-2010 08:14:02; Dark ; 39.0; 70; Zet Pup ; 2.25; 39000;occ; 78; 0;41329  
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 3; 2295.5; 25-JAN-2010 08:32:37; Bright; 52.0; 151; 13Mu Gem ; 2.89; 3000;occ; 104; 0;41329

4; 2413.6; 25-JAN-2010 08:34:35; Bright; 38.5; 17; 78Bet Gem ; 1.16; 4500;occ; 77; 0;41329  
5; 2572.8; 25-JAN-2010 08:37:14; Bright; 13.5; 107; 37The Aur ; 2.65; 11000;occ; 27; 0;41329  
6; 2677.7; 25-JAN-2010 08:38:59; Bright; 36.5; 42; 34Bet Aur ; 1.90; 10200;occ; 73; 0;41329  
7; 3426.6; 25-JAN-2010 08:51:28; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;41329  
8; 3635.9; 25-JAN-2010 08:54:57; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;41329  
9; 3910.3; 25-JAN-2010 08:59:32; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;41329  
10; 4085.8; 25-JAN-2010 09:02:27; Bright; 36.5; 130; 23Bet Dra ; 2.80; 5800;occ; 73; 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  
14; 4898.9; 25-JAN-2010 09:16:00; Bright; 33.5; 126; 60Bet Oph ; 2.77; 4250;occ; 67; 0;41329  
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17; 5597.6; 25-JAN-2010 09:27:39; Dark ; 42.0; 75; 26Eps Sco ; 2.29; 4250;occ; 84; 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  
22; 6454.6; 25-JAN-2010 09:41:56; Dark ; 42.0; 12; Alp1Cru ; 0.77; 30000;occ; 84; 0;41329  
23; 6568.2; 25-JAN-2010 09:43:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41329  
24; 6711.9; 25-JAN-2010 09:46:13; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41329  
25; 7216.6; 25-JAN-2010 09:54:38; Dark ; 41.5; 70; Zet Pup ; 2.25; 39000;occ; 83; 0;41329  
26; 7430.0; 25-JAN-2010 09:58:11; Dark ; 40.5; 88; 31Eta CMa ; 2.45; 20000;occ; 81; 0;41329  
27; 7536.3; 25-JAN-2010 09:59:58; Dark ; 36.5; 179; 240mi2CMa ; 3.03; 24000;occ; 73; 0;41329

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3; 2295.6; 25-JAN-2010 10:13:13; Bright; 38.5; 151; 13Mu Gem ; 2.89; 3000;occ; 77; 0;41330  
4; 2413.3; 25-JAN-2010 10:15:11; Bright; 58.0; 17; 78Bet Gem ; 1.16; 4500;occ; 116; 0;41330  
5; 2677.8; 25-JAN-2010 10:19:35; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;41330  
6; 3635.3; 25-JAN-2010 10:35:33; Bright; 42.5; 60; 7Bet UMi ; 2.08; 3950;occ; 85; 0;41330  
7; 3910.1; 25-JAN-2010 10:40:07; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;41330  
8; 4085.8; 25-JAN-2010 10:43:03; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;41330  
9; 4473.7; 25-JAN-2010 10:49:31; Bright; 58.0; 133; 40Zet Her ; 2.81; 6000;occ; 116; 0;41330  
10; 4675.5; 25-JAN-2010 10:52:53; Bright; 60.0; 127; 27Bet Her ; 2.78; 4700;occ; 120; 0;41330  
11; 4772.4; 25-JAN-2010 10:54:30; Bright; 34.5; 59; 55Alp Oph ; 2.08; 8900;occ; 69; 0;41330  
12; 4899.0; 25-JAN-2010 10:56:36; Bright; 52.0; 126; 60Bet Oph ; 2.77; 4250;occ; 104; 0;41330  
13; 5272.5; 25-JAN-2010 11:02:50; Dark ; 54.0; 86; 35Eta Oph ; 2.43; 10200;occ; 108; 0;41330  
14; 5513.4; 25-JAN-2010 11:06:51; Dark ; 47.0; 16; 21Alp Sco ; 1.02; 3000;occ; 94; 0;41330  
15; 5597.8; 25-JAN-2010 11:08:15; Dark ; 43.5; 75; 26Eps Sco ; 2.29; 4250;occ; 87; 0;41330  
16; 5848.9; 25-JAN-2010 11:12:26; Dark ; 41.5; 131; Gam Lup ; 2.80; 26000;occ; 83; 0;41330  
17; 5972.1; 25-JAN-2010 11:14:29; Dark ; 43.0; 109; Bet Lup ; 2.68; 26000;occ; 86; 0;41330  
18; 6060.5; 25-JAN-2010 11:15:58; Dark ; 43.0; 78; Alp Lup ; 2.30; 28000;occ; 86; 0;41330  
19; 6181.0; 25-JAN-2010 11:17:58; Dark ; 40.5; 4; Alp1Cen ;-0.01; 5800;occ; 81; 0;41330  
20; 6274.1; 25-JAN-2010 11:19:31; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;41330  
21; 6455.0; 25-JAN-2010 11:22:32; Dark ; 43.5; 12; Alp1Cru ; 0.77; 30000;occ; 87; 0;41330  
22; 6569.0; 25-JAN-2010 11:24:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41330  
23; 6712.3; 25-JAN-2010 11:26:50; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41330  
24; 7216.7; 25-JAN-2010 11:35:14; Dark ; 42.5; 70; Zet Pup ; 2.25; 39000;occ; 85; 0;41330  
25; 7305.6; 25-JAN-2010 11:36:43; Dark ; 45.0; 117; Pi Pup ; 2.71; 3800;occ; 90; 0;41330  
26; 7430.2; 25-JAN-2010 11:38:47; Dark ; 41.5; 88; 31Eta CMa ; 2.45; 20000;occ; 83; 0;41330  
27; 7536.2; 25-JAN-2010 11:40:34; Dark ; 39.0; 179; 240mi2CMa ; 3.03; 24000;occ; 78; 0;41330

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4; 2295.8; 25-JAN-2010 11:53:49; Bright; 39.0; 151; 13Mu Gem ; 2.89; 3000;occ; 78; 0;41331  
5; 2412.9; 25-JAN-2010 11:55:46; Bright; 43.5; 17; 78Bet Gem ; 1.16; 4500;occ; 87; 0;41331  
6; 2677.6; 25-JAN-2010 12:00:11; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;41331  
7; 3426.4; 25-JAN-2010 12:12:40; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;41331  
8; 3635.4; 25-JAN-2010 12:16:09; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;41331  
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13; 4772.5; 25-JAN-2010 12:35:06; Bright; 53.0; 59; 55Alp Oph ; 2.08; 8900;occ; 106; 0;41331  
14; 4899.4; 25-JAN-2010 12:37:13; Bright; 34.0; 126; 60Bet Oph ; 2.77; 4250;occ; 68; 0;41331  
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19; 6061.4; 25-JAN-2010 12:56:34; Dark ; 42.0; 78; Alp Lup ; 2.30; 28000;occ; 84; 0;41331
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22; 6569.9; 25-JAN-2010 13:05:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41331
23; 6712.6; 25-JAN-2010 13:07:26; Dark ; 37.0; 159; Ups Car ; 2.92; 7200;occ; 74; 0;41331
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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
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22; 6456.0; 25-JAN-2010 14:43:45; Dark ; 40.5; 12; Alp1Cru ; 0.77; 30000;occ; 81; 0;41332
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25; 6827.4; 25-JAN-2010 14:49:56; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;41332
26; 6935.3; 25-JAN-2010 14:51:44; Dark ; 42.0; 46; Del Vel ; 1.95; 10600;occ; 84; 0;41332
27; 7091.4; 25-JAN-2010 14:54:20; Dark ; 41.0; 34; Gam2Vel ; 1.79; 23000;occ; 82; 0;41332
28; 7217.7; 25-JAN-2010 14:56:27; Dark ; 41.5; 70; Zet Pup ; 2.25; 39000;occ; 83; 0;41332
29; 7306.1; 25-JAN-2010 14:57:55; Dark ; 43.5; 117; Pi Pup ; 2.71; 3800;occ; 87; 0;41332
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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
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12; 4676.7; 25-JAN-2010 15:54:42; Bright; 40.0; 127; 27Bet Her ; 2.78; 4700;occ; 80; 0;41333
13; 4773.2; 25-JAN-2010 15:56:18; Bright; 41.0; 59; 55Alp Oph ; 2.08; 8900;occ; 82; 0;41333
14; 4900.1; 25-JAN-2010 15:58:25; Bright; 34.0; 126; 60Bet Oph ; 2.77; 4250;occ; 68; 0;41333
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16; 5273.8; 25-JAN-2010 16:04:39; Dark ; 46.0; 86; 35Eta Oph ; 2.43; 10200;occ; 92; 0;41333
17; 5515.3; 25-JAN-2010 16:08:40; Dark ; 45.5; 16; 21Alp Sco ; 1.02; 3000;occ; 91; 0;41333
18; 5599.2; 25-JAN-2010 16:10:04; Dark ; 43.5; 75; 26Eps Sco ; 2.29; 4250;occ; 87; 0;41333
19; 5851.5; 25-JAN-2010 16:14:16; Dark ; 40.5; 131; Gam Lup ; 2.80; 26000;occ; 81; 0;41333
20; 5974.7; 25-JAN-2010 16:16:20; Dark ; 43.5; 109; Bet Lup ; 2.68; 26000;occ; 87; 0;41333
21; 6063.0; 25-JAN-2010 16:17:48; Dark ; 43.5; 78; Alp Lup ; 2.30; 28000;occ; 87; 0;41333

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

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5; 287.3; 29-JAN-2010 22:38:40; Dark ; 44.0; 77; Eps Cen ; 2.30; 28000;occ; 88; 0;41395
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8; 698.6; 29-JAN-2010 22:45:31; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41395
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10; 3899.7; 30-JAN-2010 19:46:03; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;41407
11; 4087.0; 30-JAN-2010 19:49:10; Bright; 40.5; 130; 23Bet Dra ; 2.80; 5800;occ; 81; 0;41407
12; 4302.5; 30-JAN-2010 19:52:46; Bright; 37.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 74; 0;41407
13; 4484.8; 30-JAN-2010 19:55:48; Bright; 43.0; 133; 40Zet Her ; 2.81; 6000;occ; 86; 0;41407
14; 4792.6; 30-JAN-2010 20:00:56; Bright; 36.5; 59; 55Alp Oph ; 2.08; 8900;occ; 73; 0;41407
15; 4920.1; 30-JAN-2010 20:03:03; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;41407
16; 5305.5; 30-JAN-2010 20:09:29; Dark ; 43.5; 86; 35Eta Oph ; 2.43; 10200;occ; 87; 0;41407
17; 5560.7; 30-JAN-2010 20:13:44; Dark ; 49.0; 16; 21Alp Sco ; 1.02; 3000;occ; 98; 0;41407
18; 5906.2; 30-JAN-2010 20:19:30; Dark ; 43.0; 131; Gam Lup ; 2.80; 26000;occ; 86; 0;41407
19; 6037.8; 30-JAN-2010 20:21:41; Dark ; 45.0; 109; Bet Lup ; 2.68; 26000;occ; 90; 0;41407
20; 6131.0; 30-JAN-2010 20:23:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41407
21; 6221.5; 30-JAN-2010 20:24:45; Dark ; 41.5; 4; Alp1Cen ;-0.01; 5800;occ; 83; 0;41407
22; 6333.6; 30-JAN-2010 20:26:37; Dark ; 44.0; 77; Eps Cen ; 2.30; 28000;occ; 88; 0;41407
23; 6497.0; 30-JAN-2010 20:29:20; Dark ; 48.5; 12; Alp1Cru ; 0.77; 30000;occ; 97; 0;41407
24; 6613.9; 30-JAN-2010 20:31:17; Dark ; 46.5; 99; Del Cen ; 2.58; 26000;occ; 93; 0;41407
25; 6738.9; 30-JAN-2010 20:33:22; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41407
26; 6854.0; 30-JAN-2010 20:35:17; Dark ; 44.5; 71; Iot Car ; 2.25; 7700;occ; 89; 0;41407
27; 6959.3; 30-JAN-2010 20:37:03; Dark ; 47.5; 46; Del Vel ; 1.95; 10600;occ; 95; 0;41407
28; 7111.5; 30-JAN-2010 20:39:35; Dark ; 24.0; 34; Gam2Vel ; 1.79; 23000;occ; 48; 0;41407

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