

# GOMOS Daily Report 04-FEB-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	06FEB2010 04:34:39
Data source version	GOMOS/5.00L04
Start time of products	04FEB2010 00:17:02
Stop time of products	04FEB2010 23:53:27
Store outputs in DB	Yes
Nb of level 1b prods	101
Nb of prods with errors	1

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

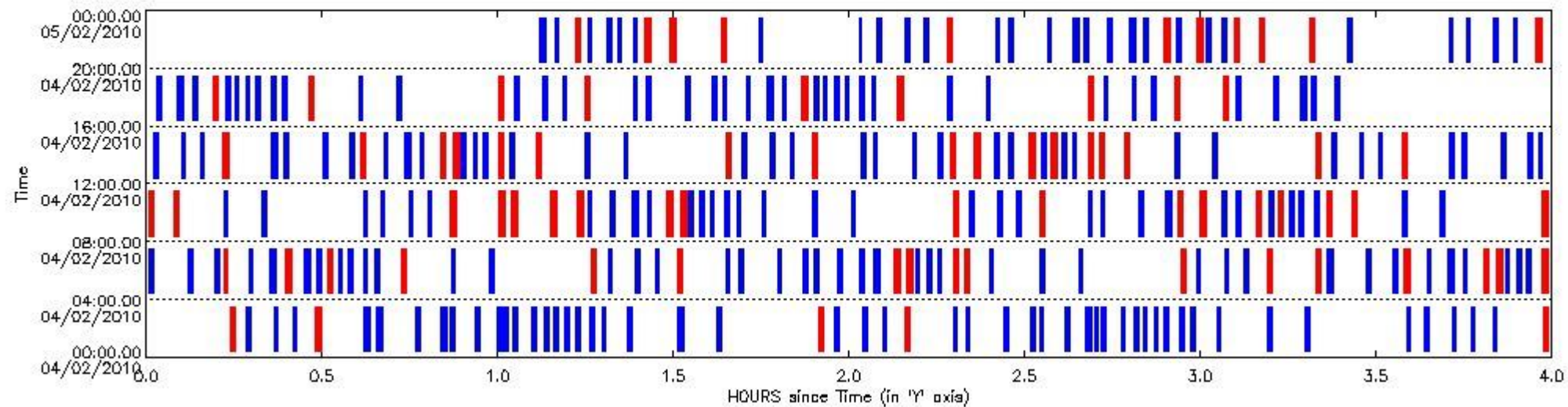
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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
04-FEB-2010 00:14:13	1AlpUMi	49	41467
04-FEB-2010 00:28:55	3AlpLyr	5	41467
04-FEB-2010 01:54:49	1AlpUMi	49	41468
04-FEB-2010 02:09:32	3AlpLyr	5	41468
04-FEB-2010 03:58:28	55AlpOph	59	41469
04-FEB-2010 04:13:15	6PiSco	158	41469
04-FEB-2010 04:23:46	BetCen	10	41470
04-FEB-2010 04:30:56	UpsCar	159	41470
04-FEB-2010 04:43:28	15RhoPup	132	41470
04-FEB-2010 05:16:01	1AlpUMi	49	41470
04-FEB-2010 05:30:44	3AlpLyr	5	41470
04-FEB-2010 06:07:44	Alp1Cru	12	41471
04-FEB-2010 06:09:56	DelCen	99	41471
04-FEB-2010 06:17:44	LamVel	65	41471
04-FEB-2010 06:19:44	ZetPup	70	41471

04-FEB-2010 06:56:37	1AlpUMi	49	41471
04-FEB-2010 07:11:20	3AlpLyr	5	41471
04-FEB-2010 07:19:40	55AlpOph	59	41471
04-FEB-2010 07:34:49	TheSco	40	41471
04-FEB-2010 07:48:20	Alp1Cru	12	41472
04-FEB-2010 07:50:33	DelCen	99	41472
04-FEB-2010 07:58:21	LamVel	65	41472
04-FEB-2010 08:00:20	ZetPup	70	41472
04-FEB-2010 08:04:40	15RhoPup	132	41472
04-FEB-2010 08:51:56	3AlpLyr	5	41472
04-FEB-2010 09:00:17	55AlpOph	59	41472
04-FEB-2010 09:02:26	60BetOph	126	41472
04-FEB-2010 09:09:04	35EtaOph	86	41472
04-FEB-2010 09:13:32	21AlpSco	16	41472
04-FEB-2010 09:28:57	Alp1Cru	12	41473
04-FEB-2010 09:31:09	DelCen	99	41473
04-FEB-2010 10:17:49	1AlpUMi	49	41473
04-FEB-2010 10:32:32	3AlpLyr	5	41473
04-FEB-2010 10:56:02	TheSco	40	41473
04-FEB-2010 11:00:01	GamLup	131	41473
04-FEB-2010 11:09:33	Alp1Cru	12	41474
04-FEB-2010 11:13:21	UpsCar	159	41474
04-FEB-2010 11:21:33	ZetPup	70	41474
04-FEB-2010 11:25:53	15RhoPup	132	41474
04-FEB-2010 11:58:25	1AlpUMi	49	41474
04-FEB-2010 12:13:08	3AlpLyr	5	41474
04-FEB-2010 12:36:38	TheSco	40	41474
04-FEB-2010 12:50:10	Alp1Cru	12	41475
04-FEB-2010 12:52:23	DelCen	99	41475
04-FEB-2010 13:00:09	LamVel	65	41475
04-FEB-2010 13:06:29	15RhoPup	132	41475
04-FEB-2010 13:39:01	1AlpUMi	49	41475
04-FEB-2010 13:53:44	3AlpLyr	5	41475
04-FEB-2010 14:17:14	TheSco	40	41475
04-FEB-2010 14:21:15	GamLup	131	41475
04-FEB-2010 14:30:46	Alp1Cru	12	41476
04-FEB-2010 14:34:33	UpsCar	159	41476
04-FEB-2010 14:40:46	LamVel	65	41476
04-FEB-2010 14:42:45	ZetPup	70	41476
04-FEB-2010 14:47:05	15RhoPup	132	41476
04-FEB-2010 15:19:37	1AlpUMi	49	41476
04-FEB-2010 15:34:20	3AlpLyr	5	41476
04-FEB-2010 16:11:22	Alp1Cru	12	41477
04-FEB-2010 16:27:41	15RhoPup	132	41477
04-FEB-2010 17:00:13	1AlpUMi	49	41477
04-FEB-2010 17:14:56	3AlpLyr	5	41477
04-FEB-2010 17:51:59	Alp1Cru	12	41478
04-FEB-2010 18:08:17	15RhoPup	132	41478
04-FEB-2010 18:40:49	1AlpUMi	49	41478
04-FEB-2010 18:55:32	3AlpLyr	5	41478
04-FEB-2010 19:03:54	55AlpOph	59	41478
04-FEB-2010 21:13:12	Alp1Cru	12	41480
04-FEB-2010 21:25:10	ZetPup	70	41480
04-FEB-2010 21:29:29	15RhoPup	132	41480
04-FEB-2010 21:38:07	10AlpCMi	8	41480
04-FEB-2010 22:16:44	3AlpLyr	5	41480
04-FEB-2010 22:53:48	Alp1Cru	12	41481
04-FEB-2010 22:59:29	lotCar	71	41481
04-FEB-2010 23:05:46	ZetPup	70	41481

04-FEB-2010 23:10:05	15RhoPup	132	41481
04-FEB-2010 23:18:43	10AlpCmi	8	41481
04-FEB-2010 23:57:20	3AlpLyr	5	41481

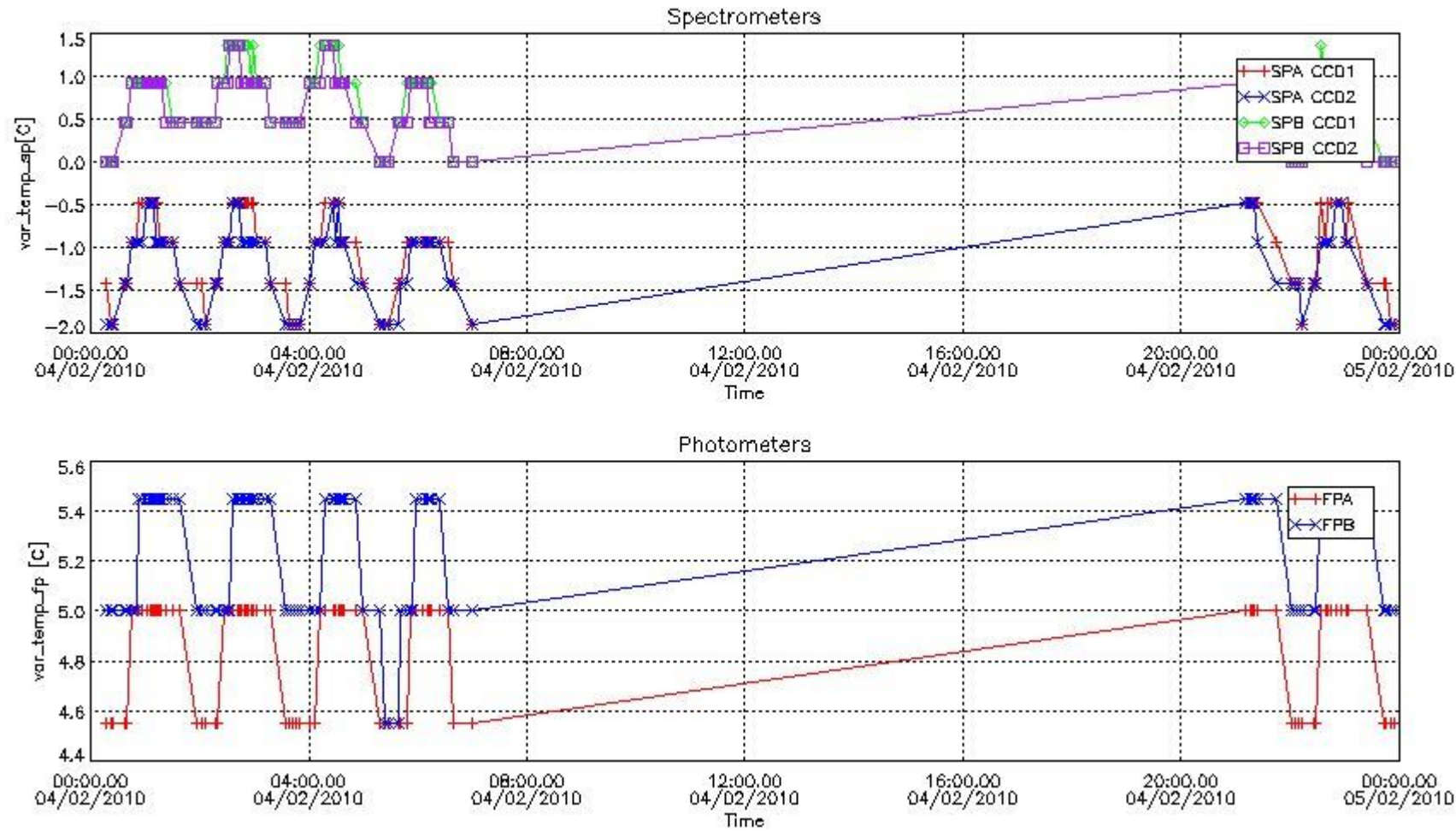
## 2.4 Summary of processed GOM\_TRA\_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100204_001702_000000422086_00331_41467_8548.N1	04-FEB-2010 00:17:02	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	41467	No
2	GOM_TRA_1PNPDE20100204_002147_000000412086_00331_41467_8549.N1	04-FEB-2010 00:21:47	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	41467	No
3	GOM_TRA_1PNPDE20100204_002505_000000392086_00331_41467_8550.N1	04-FEB-2010 00:25:05	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	41467	No
4	GOM_TRA_1PNPDE20100204_003709_000000562086_00331_41467_8551.N1	04-FEB-2010 00:37:09	Bright	56.000	59	55Alp Oph	2.0800	8900.0	112	41467	No
5	GOM_TRA_1PNPDE20100204_003918_000000552086_00331_41467_8552.N1	04-FEB-2010 00:39:18	Bright	54.500	126	60Bet Oph	2.7700	4250.0	109	41467	No
6	GOM_TRA_1PNPDE20100204_004555_000000452086_00331_41467_8555.N1	04-FEB-2010 00:45:55	Twilight	45.000	86	35Eta Oph	2.4300	10200.	90	41467	No
7	GOM_TRA_1PNPDE20100204_005023_000000522086_00331_41467_8556.N1	04-FEB-2010 00:50:23	Dark	51.500	16	21Alp Sco	1.0200	3000.0	103	41467	No
8	GOM_TRA_1PNPDE20100204_005155_000000402086_00331_41467_8557.N1	04-FEB-2010 00:51:55	Dark	40.000	158	6Pi Sco	2.9060	28000.	80	41467	No
9	GOM_TRA_1PNPDE20100204_005614_000000432086_00331_41467_8558.N1	04-FEB-2010 00:56:14	Dark	42.500	131	Gam Lup	2.8000	26000.	85	41467	No
10	GOM_TRA_1PNPDE20100204_010113_000000422086_00332_41468_8559.N1	04-FEB-2010 01:01:13	Dark	41.500	4	Alp1Cen	-0.010000	5800.0	83	41468	No
11	GOM_TRA_1PNPDE20100204_010227_000000492086_00332_41468_8560.N1	04-FEB-2010 01:02:27	Dark	49.000	10	Bet Cen	0.61000	28000.	98	41468	No
12	GOM_TRA_1PNPDE20100204_010548_000000512086_00332_41468_8561.N1	04-FEB-2010 01:05:48	Dark	50.500	12	Alp1Cru	0.77500	30000.	101	41468	No
13	GOM_TRA_1PNPDE20100204_010759_000000432086_00332_41468_8562.N1	04-FEB-2010 01:07:59	Dark	43.000	99	Del Cen	2.5750	26000.	86	41468	No
14	GOM_TRA_1PNPDE20100204_010936_000000392086_00332_41468_8563.N1	04-FEB-2010 01:09:36	Dark	39.000	159	Ups Car	2.9200	7200.0	78	41468	No
15	GOM_TRA_1PNPDE20100204_011132_000000442086_00332_41468_8564.N1	04-FEB-2010 01:11:32	Dark	43.500	71	Iot Car	2.2460	7700.0	87	41468	No
16	GOM_TRA_1PNPDE20100204_011315_000000432086_00332_41468_8565.N1	04-FEB-2010 01:13:15	Dark	43.000	46	Del Vel	1.9540	10600.	86	41468	No
17	GOM_TRA_1PNPDE20100204_011549_000000452086_00332_41468_8566.N1	04-FEB-2010 01:15:49	Straylight	44.500	65	Lam Vel	2.2040	4400.0	89	41468	No
18	GOM_TRA_1PNPDE20100204_011749_000000422086_00332_41468_8567.N1	04-FEB-2010 01:17:49	Straylight	41.500	70	Zet Pup	2.2460	39000.	83	41468	No
19	GOM_TRA_1PNPDE20100204_012210_000000412086_00332_41468_8568.N1	04-FEB-2010 01:22:10	Straylight	41.000	132	15Rho Pup	2.8030	6900.0	82	41468	No
20	GOM_TRA_1PNPDE20100204_013048_000000512086_00332_41468_8569.N1	04-FEB-2010 01:30:48	Twilight	51.000	8	10Alp Cmi	0.40000	6500.0	102	41468	No
21	GOM_TRA_1PNPDE20100204_013723_000000422086_00332_41468_8570.N1	04-FEB-2010 01:37:23	Bright	42.000	17	78Bet Gem	1.1610	4500.0	84	41468	No
22	GOM_TRA_1PNPDE20100204_015737_000000412086_00332_41468_8571.N1	04-FEB-2010 01:57:37	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	41468	No
23	GOM_TRA_1PNPDE20100204_020223_000000412086_00332_41468_8572.N1	04-FEB-2010 02:02:23	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	41468	No
24	GOM_TRA_1PNPDE20100204_020540_000000362086_00332_41468_8573.N1	04-FEB-2010 02:05:40	Bright	35.500	130	23Bet Dra	2.7990	5800.0	71	41468	No
25	GOM_TRA_1PNPDE20100204_021745_000000392086_00332_41468_8574.N1	04-FEB-2010 02:17:45	Bright	38.500	59	55Alp Oph	2.0800	8900.0	77	41468	No
26	GOM_TRA_1PNPDE20100204_021954_000000382086_00332_41468_8575.N1	04-FEB-2010 02:19:54	Bright	38.000	126	60Bet Oph	2.7700	4250.0	76	41468	No
27	GOM_TRA_1PNPDE20100204_022632_000000442086_00332_41468_8582.N1	04-FEB-2010 02:26:32	Twilight	44.000	86	35Eta Oph	2.4300	10200.	88	41468	No
28	GOM_TRA_1PNPDE20100204_023059_000000482086_00332_41468_8583.N1	04-FEB-2010 02:30:59	Dark	48.000	16	21Alp Sco	1.0200	3000.0	96	41468	No
29	GOM_TRA_1PNPDE20100204_023232_000000332086_00332_41468_8584.N1	04-FEB-2010 02:32:32	Dark	33.000	158	6Pi Sco	2.9060	28000.	66	41468	No
30	GOM_TRA_1PNPDE20100204_023650_000000442086_00332_41468_8585.N1	04-FEB-2010 02:36:50	Dark	43.500	131	Gam Lup	2.8000	26000.	87	41468	No
31	GOM_TRA_1PNPDE20100204_024149_000000482086_00333_41469_8586.N1	04-FEB-2010 02:41:49	Dark	47.500	4	Alp1Cen	-0.010000	5800.0	95	41469	No
32	GOM_TRA_1PNPDE20100204_024303_000000422086_00333_41469_8587.N1	04-FEB-2010 02:43:03	Dark	41.500	10	Bet Cen	0.61000	28000.	83	41469	No
33	GOM_TRA_1PNPDE20100204_024624_000000442086_00333_41469_8588.N1	04-FEB-2010 02:46:24	Dark	44.000	12	Alp1Cru	0.77500	30000.	88	41469	No
34	GOM_TRA_1PNPDE20100204_024836_000000452086_00333_41469_8589.N1	04-FEB-2010 02:48:36	Dark	45.000	99	Del Cen	2.5750	26000.	90	41469	No
35	GOM_TRA_1PNPDE20100204_025013_000000392086_00333_41469_8590.N1	04-FEB-2010 02:50:13	Dark	39.000	159	Ups Car	2.9200	7200.0	78	41469	No
36	GOM_TRA_1PNPDE20100204_025208_000000412086_00333_41469_8591.N1	04-FEB-2010 02:52:08	Dark	40.500	71	Iot Car	2.2460	7700.0	81	41469	No
37	GOM_TRA_1PNPDE20100204_025351_000000422086_00333_41469_8592.N1	04-FEB-2010 02:53:51	Dark	41.500	46	Del Vel	1.9540	10600.	83	41469	No
38	GOM_TRA_1PNPDE20100204_025625_000000472086_00333_41469_8593.N1	04-FEB-2010 02:56:25	Straylight	46.500	65	Lam Vel	2.2040	4400.0	93	41469	No
39	GOM_TRA_1PNPDE20100204_025825_000000412086_00333_41469_8594.N1	04-FEB-2010 02:58:25	Straylight	41.000	70	Zet Pup	2.2460	39000.	82	41469	No
40	GOM_TRA_1PNPDE20100204_030246_000000422086_00333_41469_8595.N1	04-FEB-2010 03:02:46	Straylight	42.000	132	15Rho Pup	2.8030	6900.0	84	41469	No
41	GOM_TRA_1PNPDE20100204_031124_000000492086_00333_41469_8596.N1	04-FEB-2010 03:11:24	Twilight	48.500	8	10Alp Cmi	0.40000	6500.0	97	41469	No
42	GOM_TRA_1PNPDE20100204_031759_000000422086_00333_41469_8597.N1	04-FEB-2010 03:17:59	Bright	41.500	17	78Bet Gem	1.1610	4500.0	83	41469	No
43	GOM_TRA_1PNPDE20100204_033519_000000372086_00333_41469_8598.N1	04-FEB-2010 03:35:19	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	41469	No
44	GOM_TRA_1PNPDE20100204_033812_000000412086_00333_41469_8601.N1	04-FEB-2010 03:38:12	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	41469	No
45	GOM_TRA_1PNPDE20100204_034259_000000432086_00333_41469_8602.N1	04-FEB-2010 03:42:59	Bright	42.500	119	14Eta Dra	2.7270	4700.0	85	41469	No
46	GOM_TRA_1PNPDE20100204_034616_000000352086_00333_41469_8603.N1	04-FEB-2010 03:46:16	Bright	35.000	130	23Bet Dra	2.7990	5800.0	70	41469	No
47	GOM_TRA_1PNPDE20100204_035001_000000372086_00333_41469_8604.N1	04-FEB-2010 03:50:01	Bright	37.000	5	3Alp Lyr	0.033000	11000.	74	41469	No
48	GOM_TRA_1PNPDE20100204_040030_000000382086_00333_41469_8605.N1	04-FEB-2010 04:00:30	Bright	37.500	126	60Bet Oph	2.7700	4250.0	75	41469	No
49	GOM_TRA_1PNPDE20100204_040708_000000402086_00333_41469_8606.N1	04-FEB-2010 04:07:08	Twilight	39.500	86	35Eta Oph	2.4300	10200.	79	41469	No
50	GOM_TRA_1PNPDE20100204_041136_000000512086_00333_41469_8607.N1	04-FEB-2010 04:11:36	Dark	51.000	16	21Alp Sco	1.0200	3000.0	102	41469	No
51	GOM_TRA_1PNPDE20100204_041728_000000422086_00333_41469_8608.N1	04-FEB-2010 04:17:28	Dark	41.500	131	Gam Lup	2.8000	26000.	83	41469	No



52	GOM_TRA_1PNPDE20100204_042701_000000532086_00334_41470_8609.N1	04-FEB-2010 04:27:01	Dark	52.500	12	Alp1Cru	0.77500	30000.	105	41470	No
53	GOM_TRA_1PNPDE20100204_042913_000000442086_00334_41470_8610.N1	04-FEB-2010 04:29:13	Dark	44.000	99	Del Cen	2.5750	26000.	88	41470	No
54	GOM_TRA_1PNPDE20100204_043244_000000422086_00334_41470_8611.N1	04-FEB-2010 04:32:44	Dark	42.000	71	lot Car	2.2460	7700.0	84	41470	No
55	GOM_TRA_1PNPDE20100204_043428_000000412086_00334_41470_8612.N1	04-FEB-2010 04:34:28	Dark	40.500	46	Del Vel	1.9540	10600.	81	41470	No
56	GOM_TRA_1PNPDE20100204_043701_000000442086_00334_41470_8613.N1	04-FEB-2010 04:37:01	Straylight	44.000	65	Lam Vel	2.2040	4400.0	88	41470	No
57	GOM_TRA_1PNPDE20100204_043901_000000422086_00334_41470_8614.N1	04-FEB-2010 04:39:01	Straylight	42.000	70	Zet Pup	2.2460	39000.	84	41470	No
58	GOM_TRA_1PNPDE20100204_045200_000000482086_00334_41470_8615.N1	04-FEB-2010 04:52:00	Twilight_stray	47.500	8	10Alp CMi	0.40000	6500.0	95	41470	No
59	GOM_TRA_1PNPDE20100204_045834_000000422086_00334_41470_8616.N1	04-FEB-2010 04:58:34	Bright	41.500	17	78Bet Gem	1.1610	4500.0	83	41470	No
60	GOM_TRA_1PNPDE20100204_051848_000000422086_00334_41470_8617.N1	04-FEB-2010 05:18:48	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	41470	No
61	GOM_TRA_1PNPDE20100204_052334_000000422086_00334_41470_8635.N1	04-FEB-2010 05:23:34	Bright	42.000	119	14Eta Dra	2.7270	4700.0	84	41470	No
62	GOM_TRA_1PNPDE20100204_052652_000000402086_00334_41470_8636.N1	04-FEB-2010 05:26:52	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	41470	No
63	GOM_TRA_1PNPDE20100204_053858_000000402086_00334_41470_8637.N1	04-FEB-2010 05:38:58	Bright	40.000	59	55Alp Oph	2.0800	8900.0	80	41470	No
64	GOM_TRA_1PNPDE20100204_054107_000000552086_00334_41470_8638.N1	04-FEB-2010 05:41:07	Bright	55.000	126	60Bet Oph	2.7700	4250.0	110	41470	No
65	GOM_TRA_1PNPDE20100204_054745_000000462086_00334_41470_8639.N1	04-FEB-2010 05:47:45	Twilight_stray	45.500	86	35Eta Oph	2.4300	10200.	91	41470	No
66	GOM_TRA_1PNPDE20100204_055213_000000492086_00334_41470_8640.N1	04-FEB-2010 05:52:13	Dark	49.000	16	21Alp Sco	1.0200	3000.0	98	41470	No
67	GOM_TRA_1PNPDE20100204_055406_000000442086_00334_41470_8641.N1	04-FEB-2010 05:54:06	Dark	44.000	40	The Sco	1.8590	7100.0	88	41470	No
68	GOM_TRA_1PNPDE20100204_055804_000000462086_00334_41470_8642.N1	04-FEB-2010 05:58:04	Dark	45.500	131	Gam Lup	2.8000	26000.	91	41470	No
69	GOM_TRA_1PNPDE20100204_060417_000000532086_00335_41471_8643.N1	04-FEB-2010 06:04:17	Dark	53.000	10	Bet Cen	0.61000	28000.	106	41471	No
70	GOM_TRA_1PNPDE20100204_061126_000000372086_00335_41471_8644.N1	04-FEB-2010 06:11:26	Dark	37.000	159	Ups Car	2.9200	7200.0	74	41471	No
71	GOM_TRA_1PNPDE20100204_061320_000000462086_00335_41471_8645.N1	04-FEB-2010 06:13:20	Dark	46.000	71	lot Car	2.2460	7700.0	92	41471	No
72	GOM_TRA_1PNPDE20100204_061504_000000432086_00335_41471_8646.N1	04-FEB-2010 06:15:04	Dark	43.000	46	Del Vel	1.9540	10600.	86	41471	No
73	GOM_TRA_1PNPDE20100204_062358_000000412086_00335_41471_8647.N1	04-FEB-2010 06:23:58	Straylight	41.000	132	15Rho Pup	2.8030	6900.0	82	41471	No
74	GOM_TRA_1PNPDE20100204_063236_000000472086_00335_41471_8648.N1	04-FEB-2010 06:32:36	Twilight_stray	46.500	8	10Alp CMi	0.40000	6500.0	93	41471	No
75	GOM_TRA_1PNPDE20100204_063910_000000422086_00335_41471_8649.N1	04-FEB-2010 06:39:10	Bright	41.500	17	78Bet Gem	1.1610	4500.0	83	41471	No
76	GOM_TRA_1PNPDE20100204_065924_000000362086_00335_41471_8650.N1	04-FEB-2010 06:59:24	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	41471	No
77	GOM_TRA_1PNPDE20100204_210945_000000432086_00344_41480_8753.N1	04-FEB-2010 21:09:45	Dark	42.500	10	Bet Cen	0.61000	28000.	85	41480	No
78	GOM_TRA_1PNPDE20100204_211520_000000452086_00344_41480_8754.N1	04-FEB-2010 21:15:20	Dark	44.500	99	Del Cen	2.5750	26000.	89	41480	No
79	GOM_TRA_1PNPDE20100204_211846_000000392086_00344_41480_8755.N1	04-FEB-2010 21:18:46	Dark	39.000	71	lot Car	2.2460	7700.0	78	41480	No
80	GOM_TRA_1PNPDE20100204_212029_000000422086_00344_41480_8756.N1	04-FEB-2010 21:20:29	Dark	42.000	46	Del Vel	1.9540	10600.	84	41480	No
81	GOM_TRA_1PNPDE20100204_212305_000000442086_00344_41480_8757.N1	04-FEB-2010 21:23:05	Straylight	43.500	65	Lam Vel	2.2040	4400.0	87	41480	No
82	GOM_TRA_1PNPDE20100204_214433_000000412086_00344_41480_8758.N1	04-FEB-2010 21:44:33	Bright	40.500	17	78Bet Gem	1.1610	4500.0	81	41480	No
83	GOM_TRA_1PNPDE20100204_220154_000000092086_00344_41480_8759.N1	04-FEB-2010 22:01:54	Straylight	8.5000	49	1Alp UMi	1.9900	6300.0	17	41480	No
84	GOM_TRA_1PNPDE20100204_220445_000000412086_00344_41480_8760.N1	04-FEB-2010 22:04:45	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	41480	No
85	GOM_TRA_1PNPDE20100204_220931_000000452086_00344_41480_8761.N1	04-FEB-2010 22:09:31	Bright	45.000	119	14Eta Dra	2.7270	4700.0	90	41480	No
86	GOM_TRA_1PNPDE20100204_221251_000000422086_00344_41480_8762.N1	04-FEB-2010 22:12:51	Bright	42.000	130	23Bet Dra	2.7990	5800.0	84	41480	No
87	GOM_TRA_1PNPDE20100204_222500_000000412086_00344_41480_8763.N1	04-FEB-2010 22:25:00	Bright	40.500	59	55Alp Oph	2.0800	8900.0	81	41480	No
88	GOM_TRA_1PNPDE20100204_222710_000000552086_00344_41480_8764.N1	04-FEB-2010 22:27:10	Bright	55.000	126	60Bet Oph	2.7700	4250.0	110	41480	No
89	GOM_TRA_1PNPDE20100204_223350_000000452086_00344_41480_8774.N1	04-FEB-2010 22:33:50	Twilight_stray	45.000	86	35Eta Oph	2.4300	10200.	90	41480	Yes
90	GOM_TRA_1PNPDE20100204_223820_000000512086_00344_41480_8775.N1	04-FEB-2010 22:38:20	Dark	50.500	16	21Alp Sco	1.0200	3000.0	101	41480	No
91	GOM_TRA_1PNPDE20100204_224009_000000472086_00344_41480_8776.N1	04-FEB-2010 22:40:09	Dark	46.500	40	The Sco	1.8590	7100.0	93	41480	No
92	GOM_TRA_1PNPDE20100204_224412_000000442086_00344_41480_8777.N1	04-FEB-2010 22:44:12	Dark	43.500	131	Gam Lup	2.8000	26000.	87	41480	No
93	GOM_TRA_1PNPDE20100204_225022_000000432086_00345_41481_8778.N1	04-FEB-2010 22:50:22	Dark	43.000	10	Bet Cen	0.61000	28000.	86	41481	No
94	GOM_TRA_1PNPDE20100204_225556_000000452086_00345_41481_8779.N1	04-FEB-2010 22:55:56	Dark	45.000	99	Del Cen	2.5750	26000.	90	41481	No
95	GOM_TRA_1PNPDE20100204_230105_000000412086_00345_41481_8780.N1	04-FEB-2010 23:01:05	Dark	40.500	46	Del Vel	1.9540	10600.	81	41481	No
96	GOM_TRA_1PNPDE20100204_230340_000000462086_00345_41481_8781.N1	04-FEB-2010 23:03:40	Straylight	45.500	65	Lam Vel	2.2040	4400.0	91	41481	No
97	GOM_TRA_1PNPDE20100204_232509_000000412086_00345_41481_8782.N1	04-FEB-2010 23:25:09	Bright	40.500	17	78Bet Gem	1.1610	4500.0	81	41481	No
98	GOM_TRA_1PNPDE20100204_234230_000000372086_00345_41481_8783.N1	04-FEB-2010 23:42:30	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	41481	No
99	GOM_TRA_1PNPDE20100204_234521_000000422086_00345_41481_8784.N1	04-FEB-2010 23:45:21	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	41481	No
100	GOM_TRA_1PNPDE20100204_235007_000000432086_00345_41481_8785.N1	04-FEB-2010 23:50:07	Bright	42.500	119	14Eta Dra	2.7270	4700.0	85	41481	No
101	GOM_TRA_1PNPDE20100204_235327_000000412086_00345_41481_8786.N1	04-FEB-2010 23:53:27	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	41481	No

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



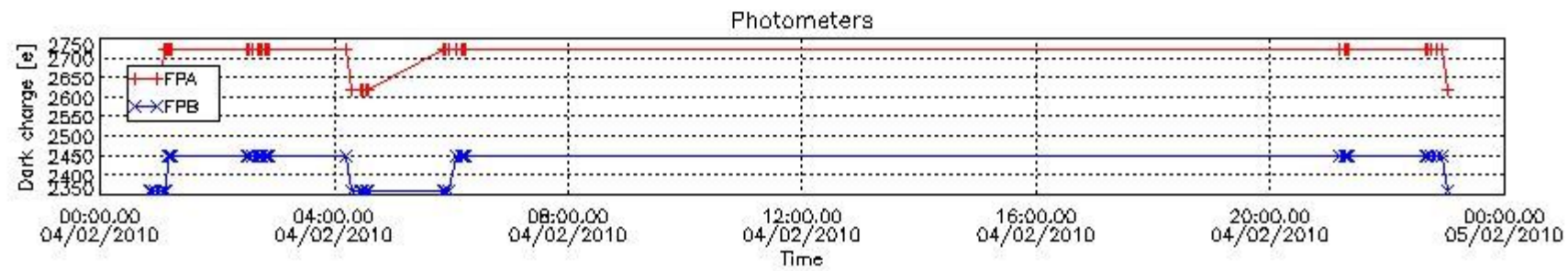
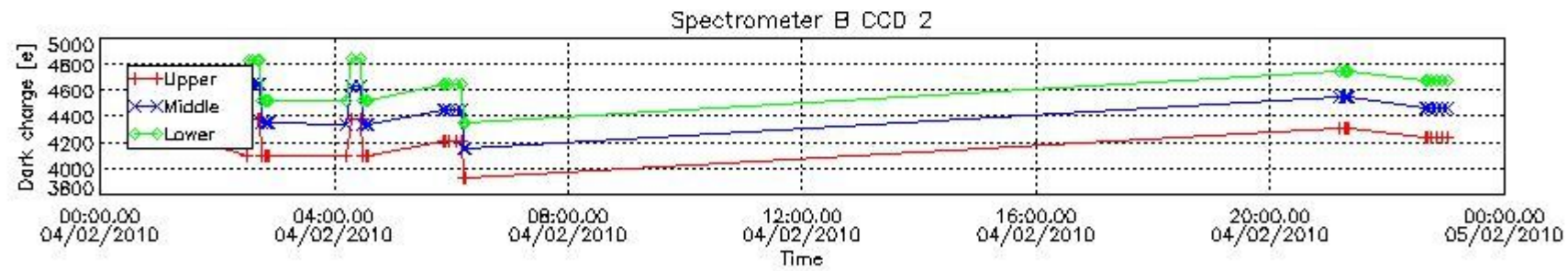
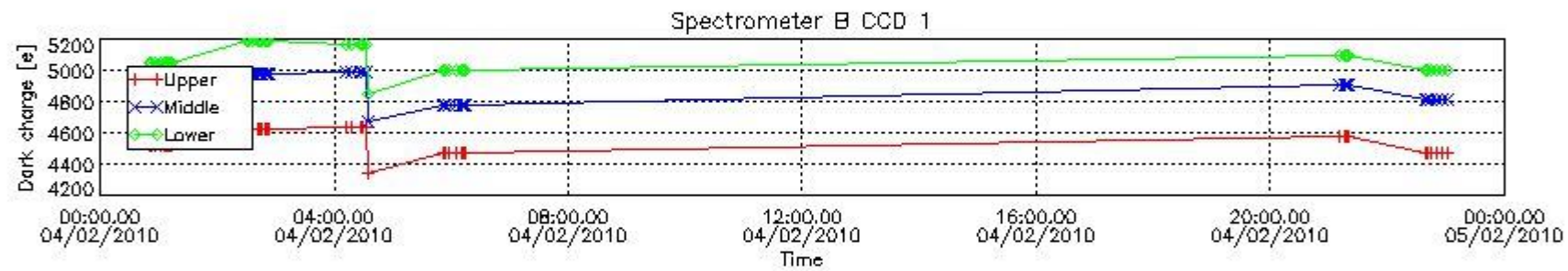
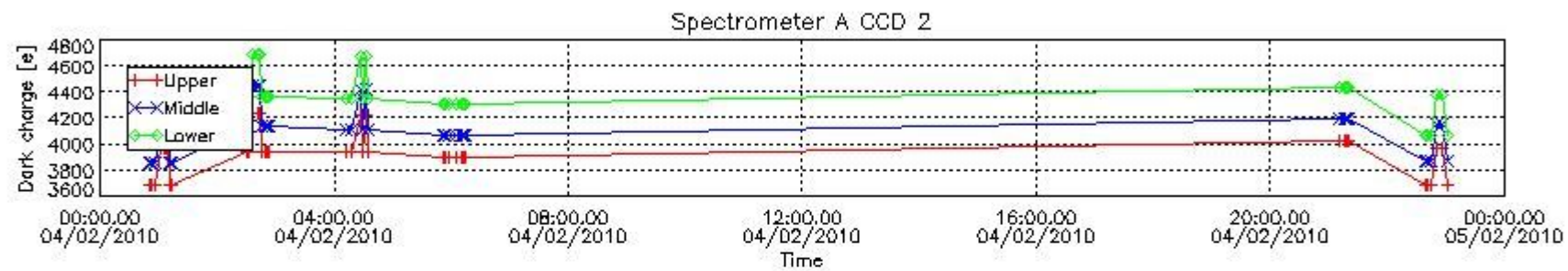
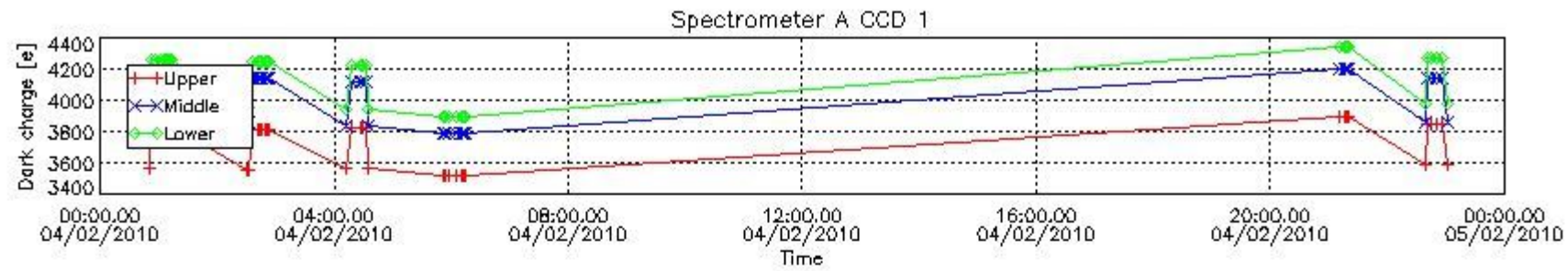
#### 4. Overview of dark signal processing per product

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

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

##### 4.1 All products used the DSA observation for the DC computation

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



## 5. Demodulation flag and quality information monitoring

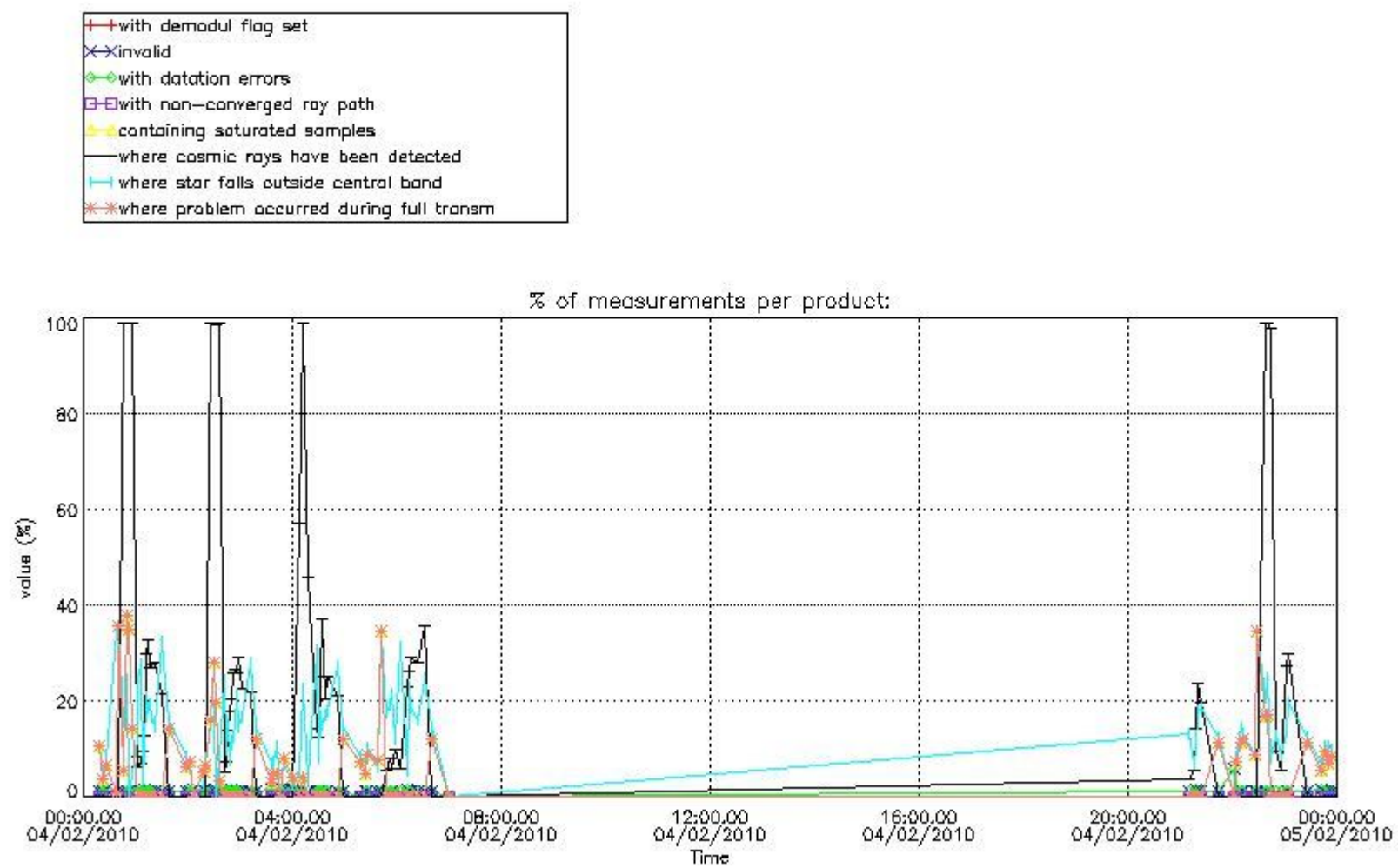
In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

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



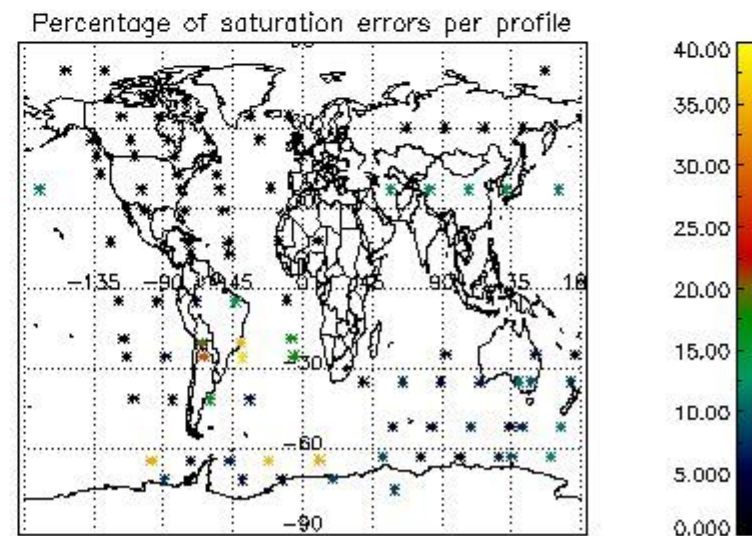
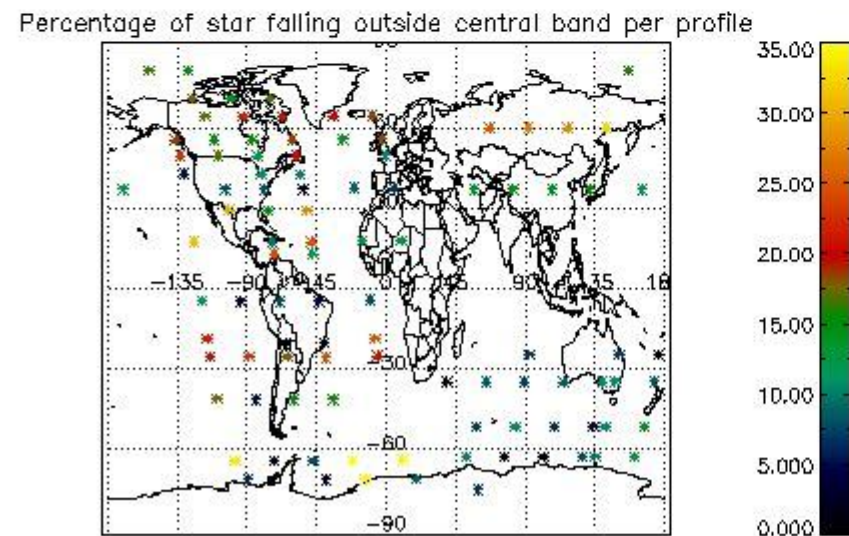
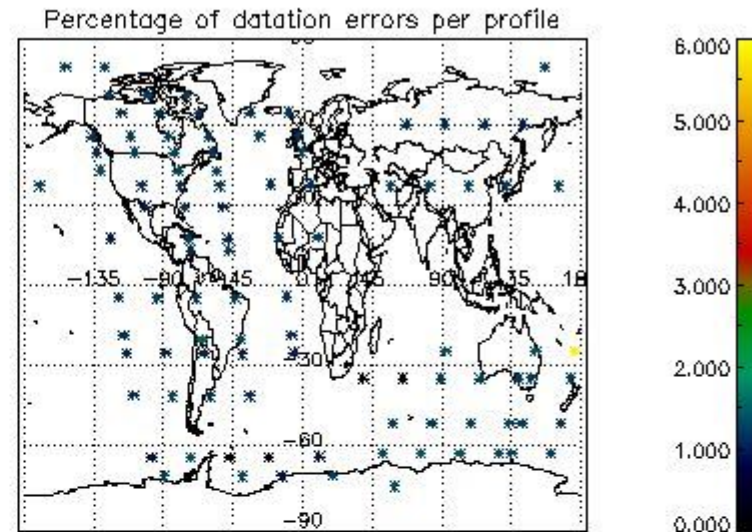
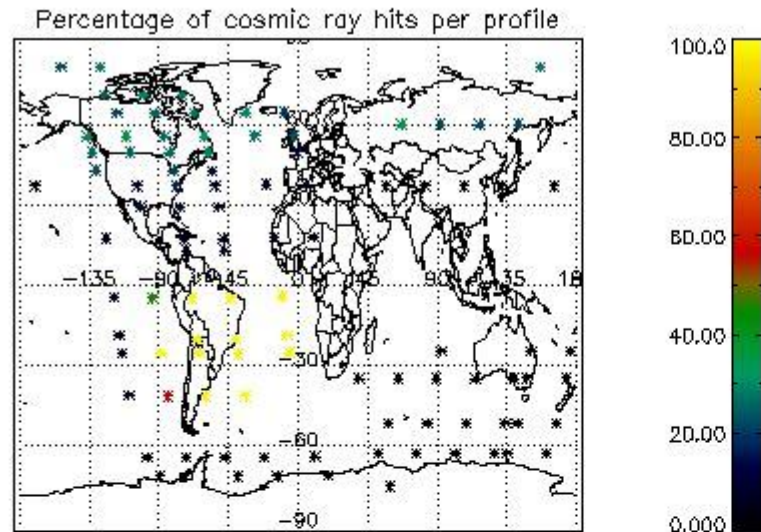
At least one measurement with demodulation flag set:	40.0000 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

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



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





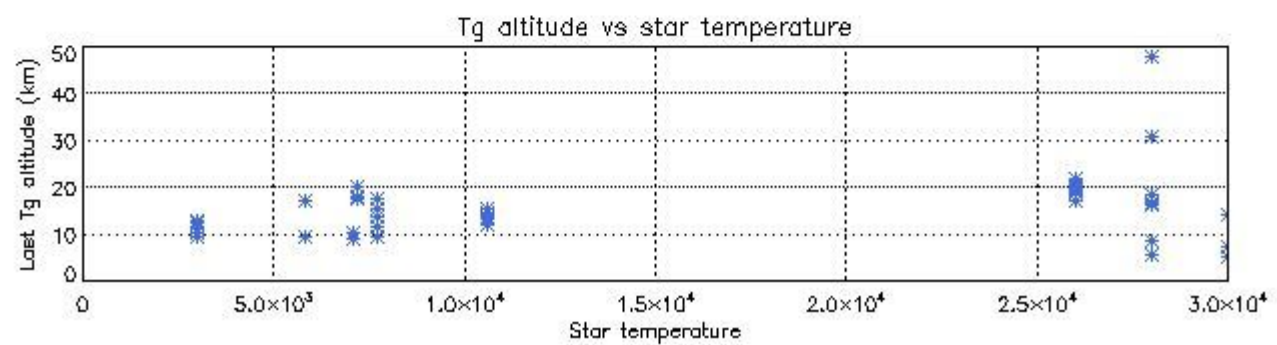
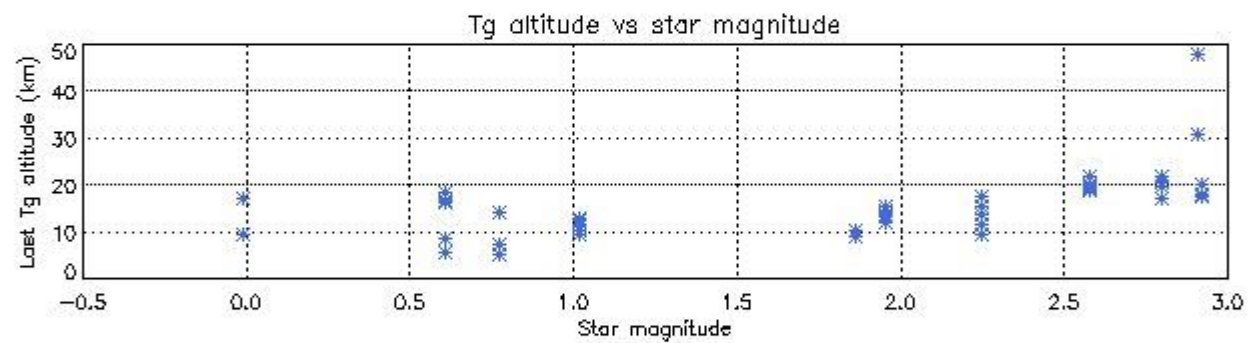
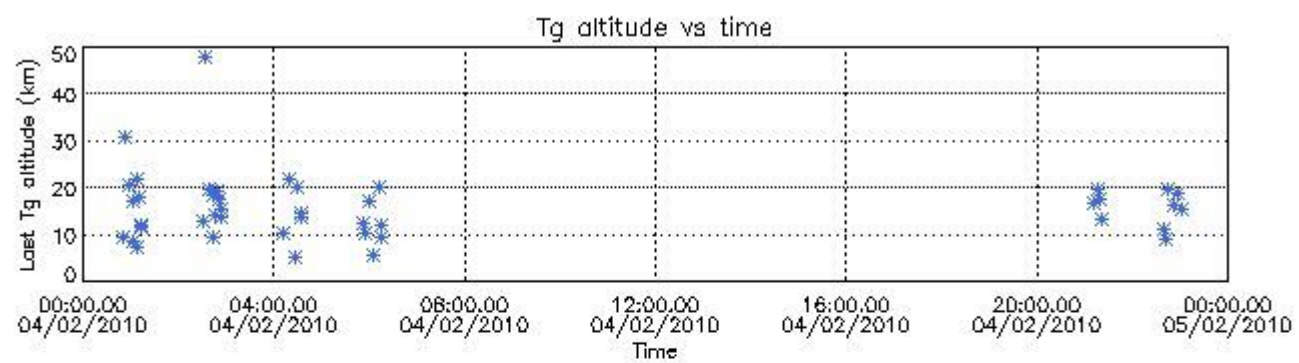
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.692	17.444	NaN
St. deviation:	7.1900	5.6647	NaN
Maximum:	47.991	29.728	NaN
Minimum:	5.2363	4.1100	NaN
Number of data:	43.000	37.000	NaN

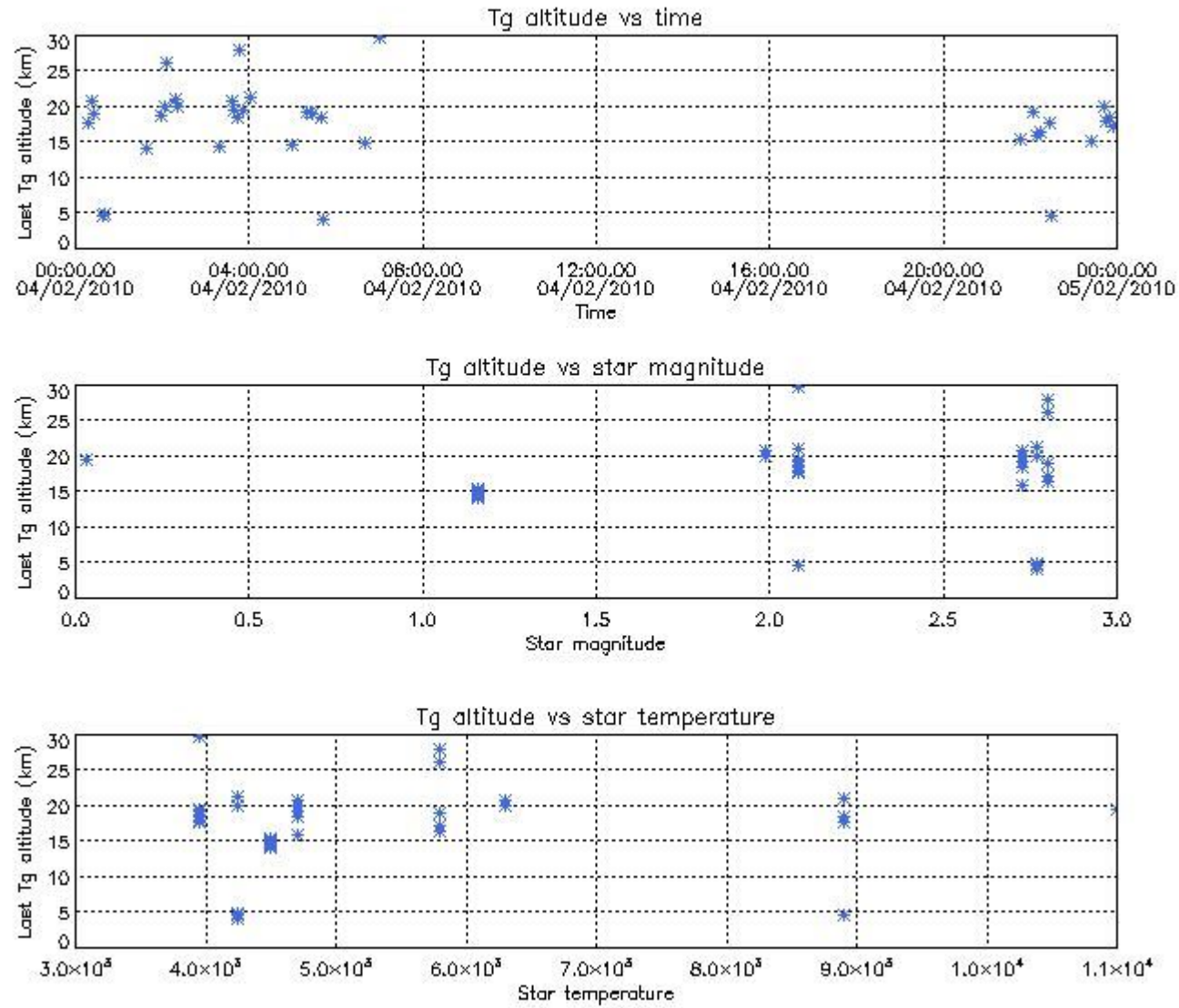
### 6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost



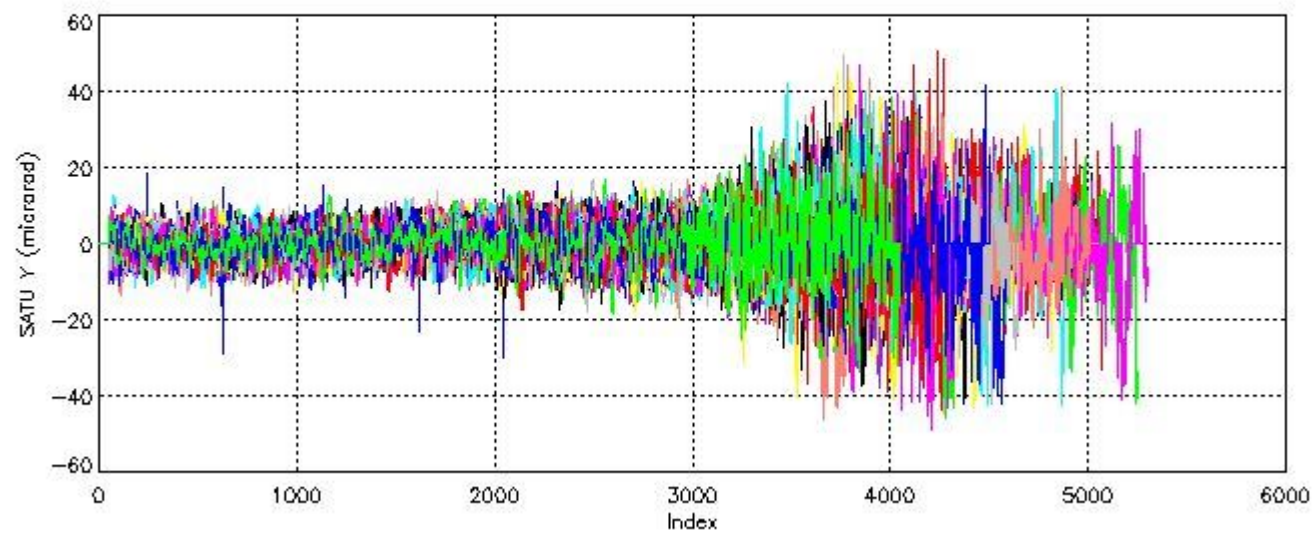
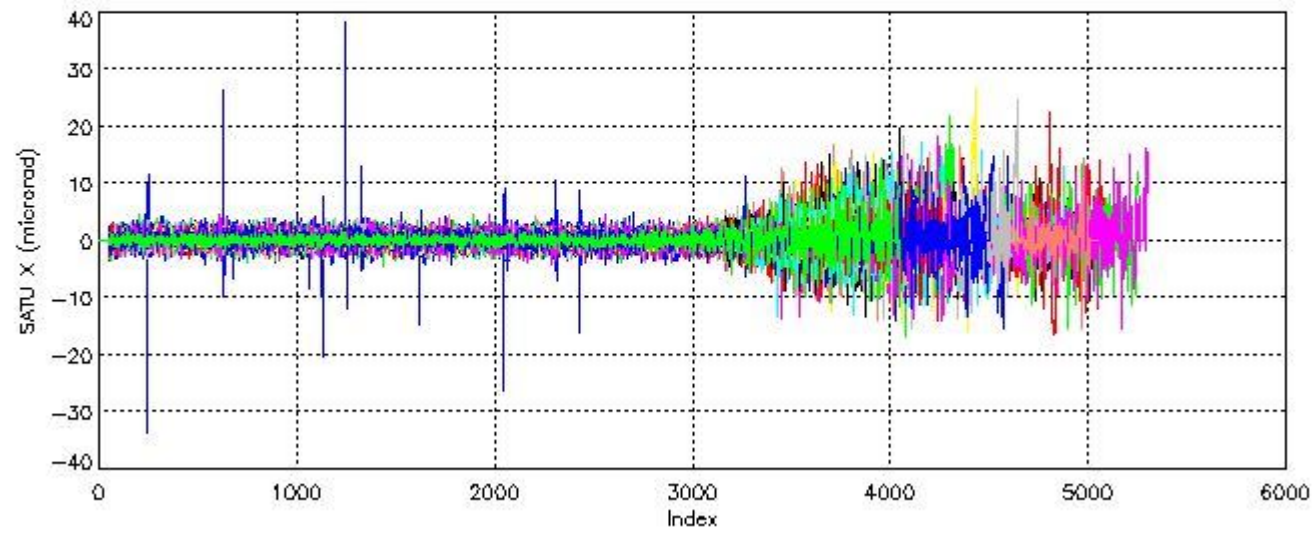
## 7. Star Acquisition and Tracking Unit (SATU)

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

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

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





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

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

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

### 7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.13668	-0.49831	0.091499	-0.26611
St. deviation:	0.62337	3.1315	0.52078	3.0160
Maximum:	26.300	18.500	2.7000	11.100
Minimum:	-33.600	-29.000	-2.8000	-14.900



Number of data:	41000.	41000.	33600.	33600.
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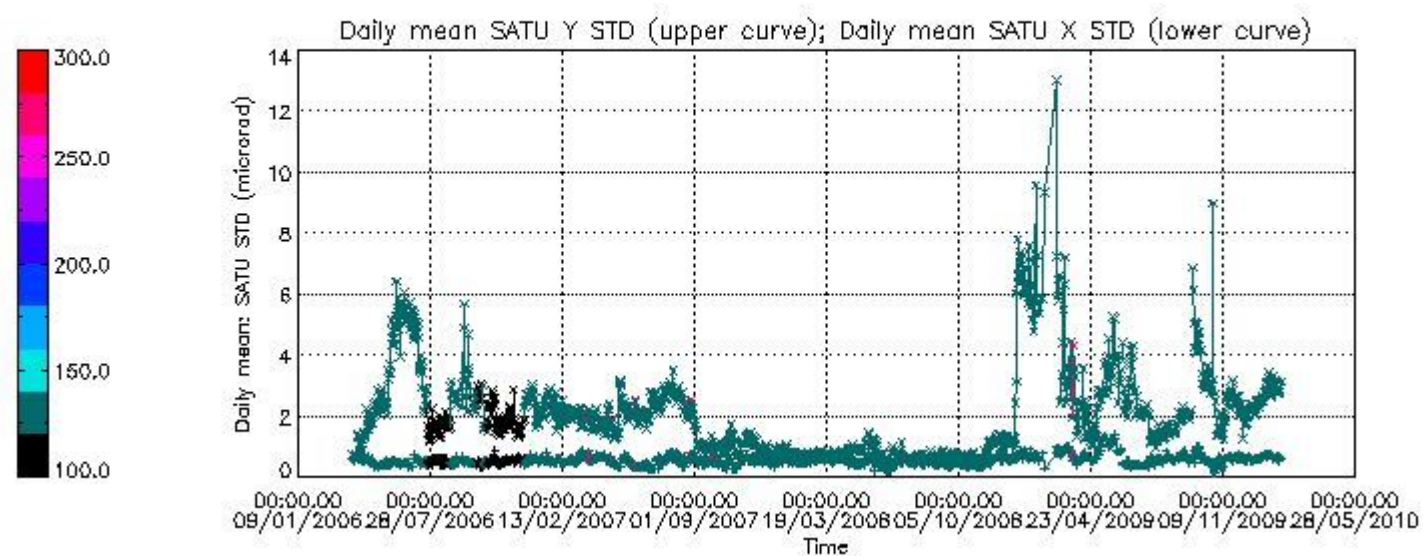
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

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

Upper curve: STD of SATU Y axis

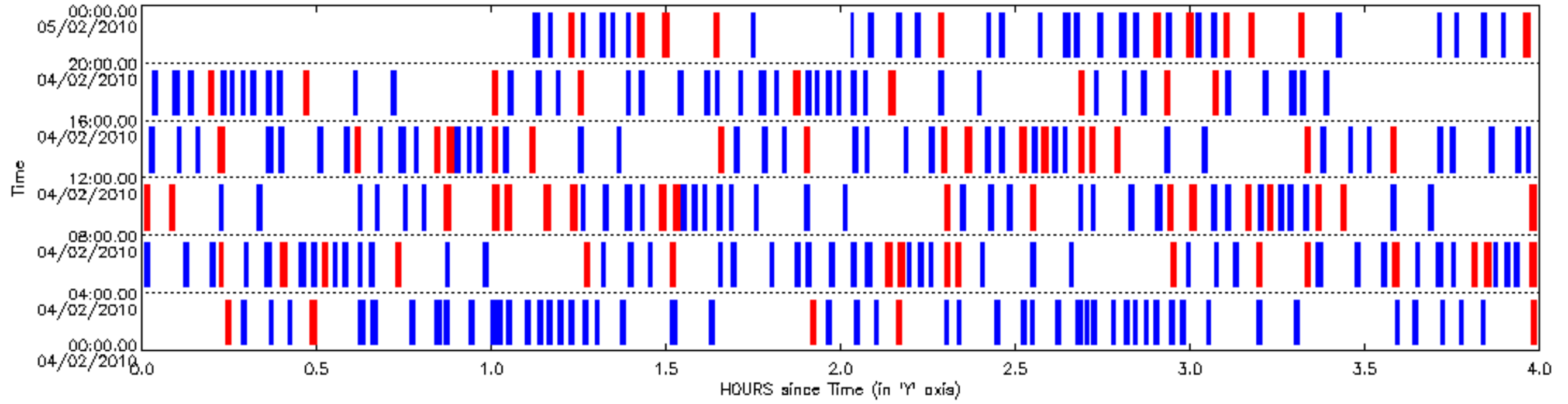
Lower curve: STD of SATU X axis

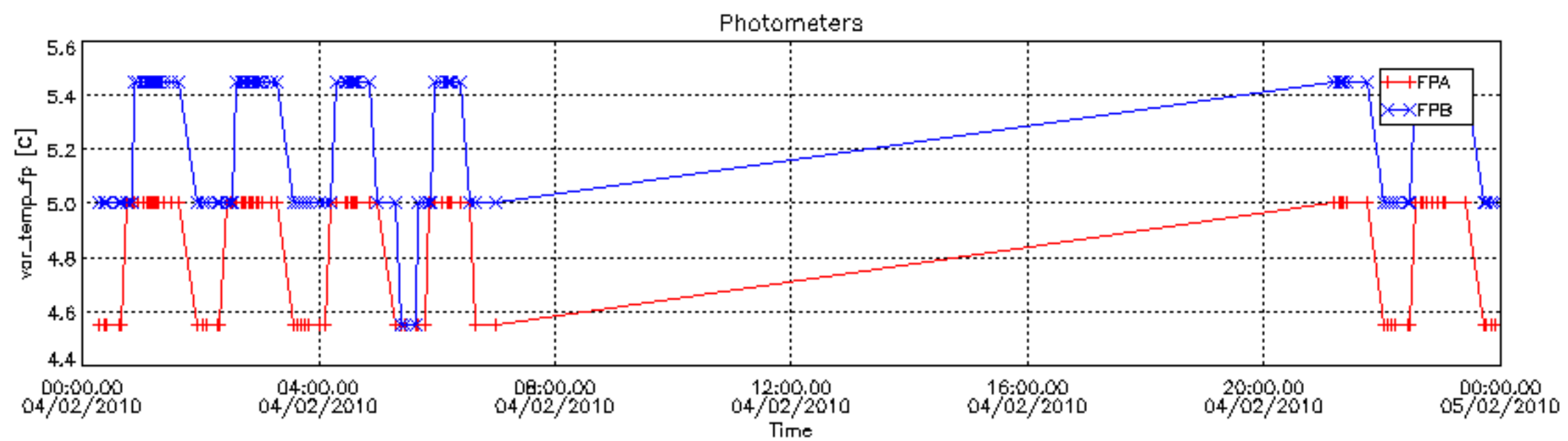
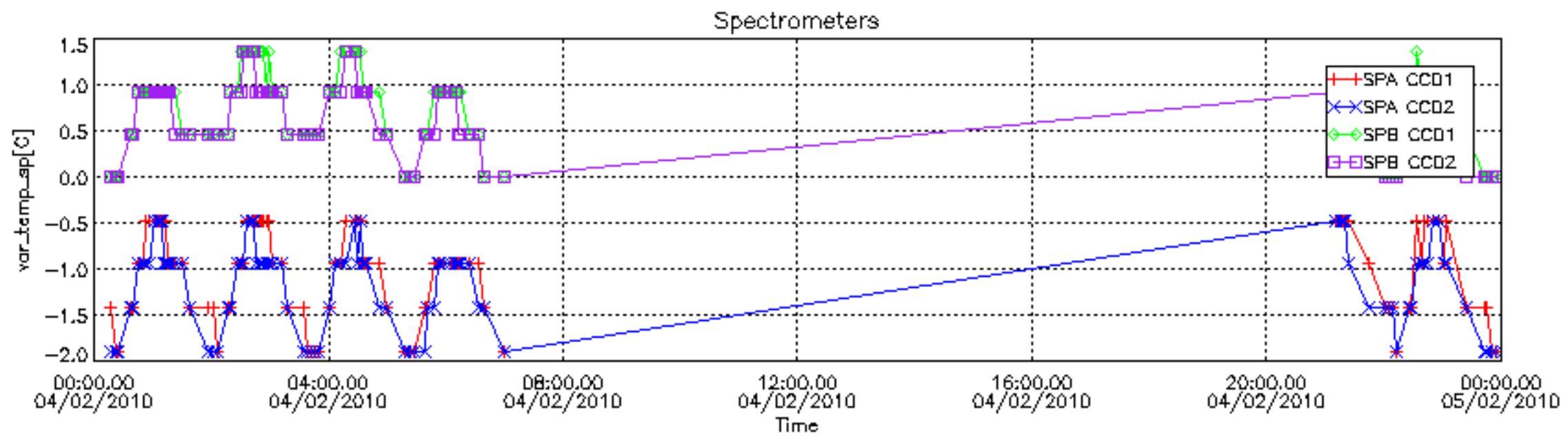


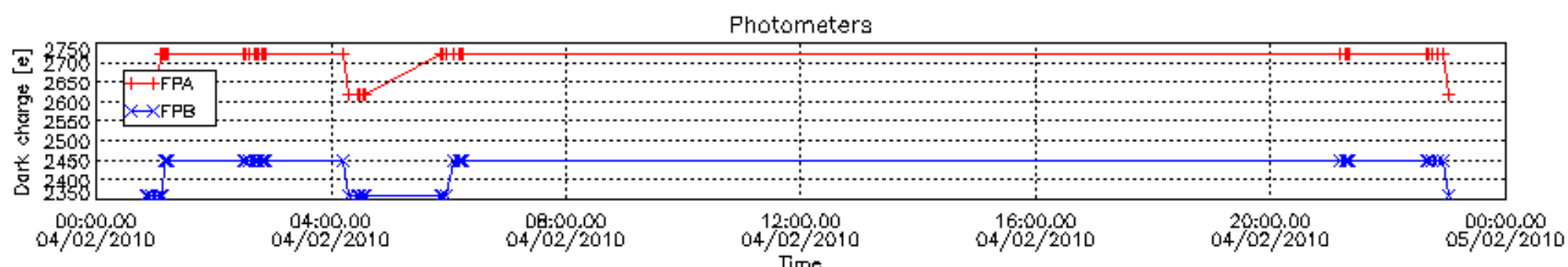
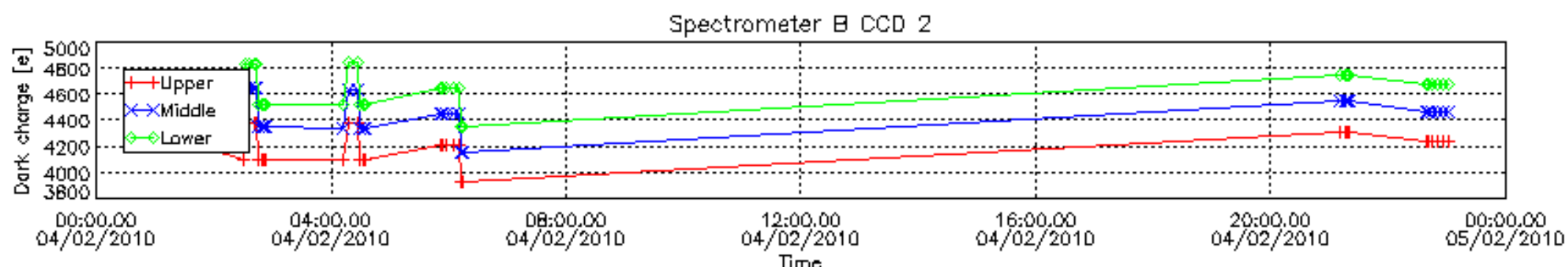
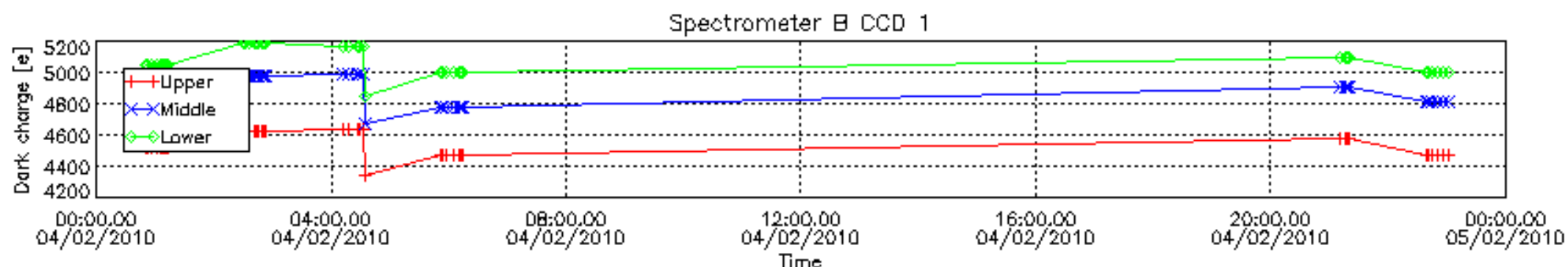
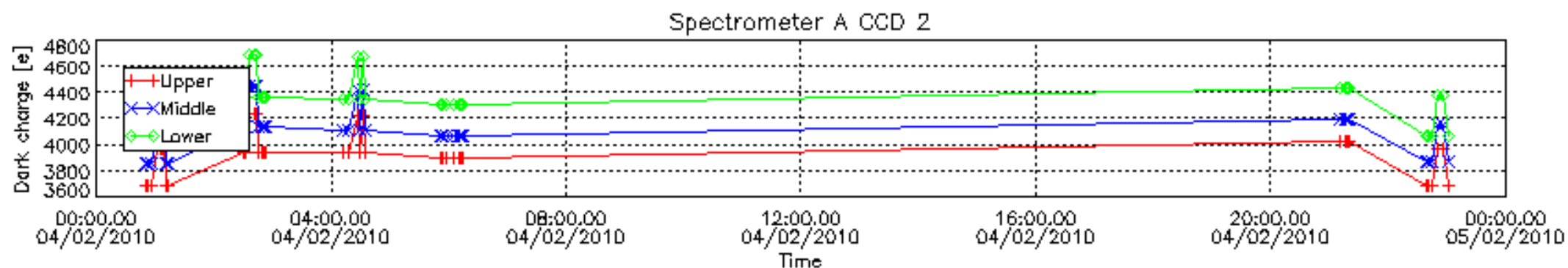
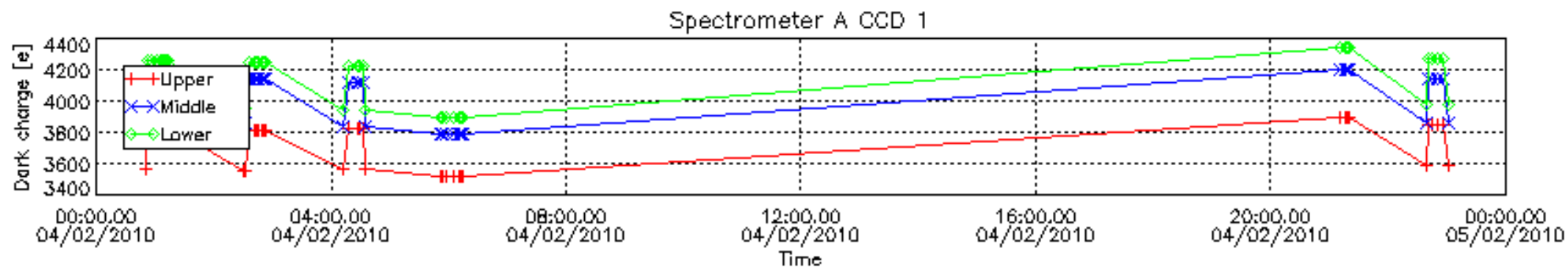
### 8. Auxiliary Data Files used for the production reported in section 2.4

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

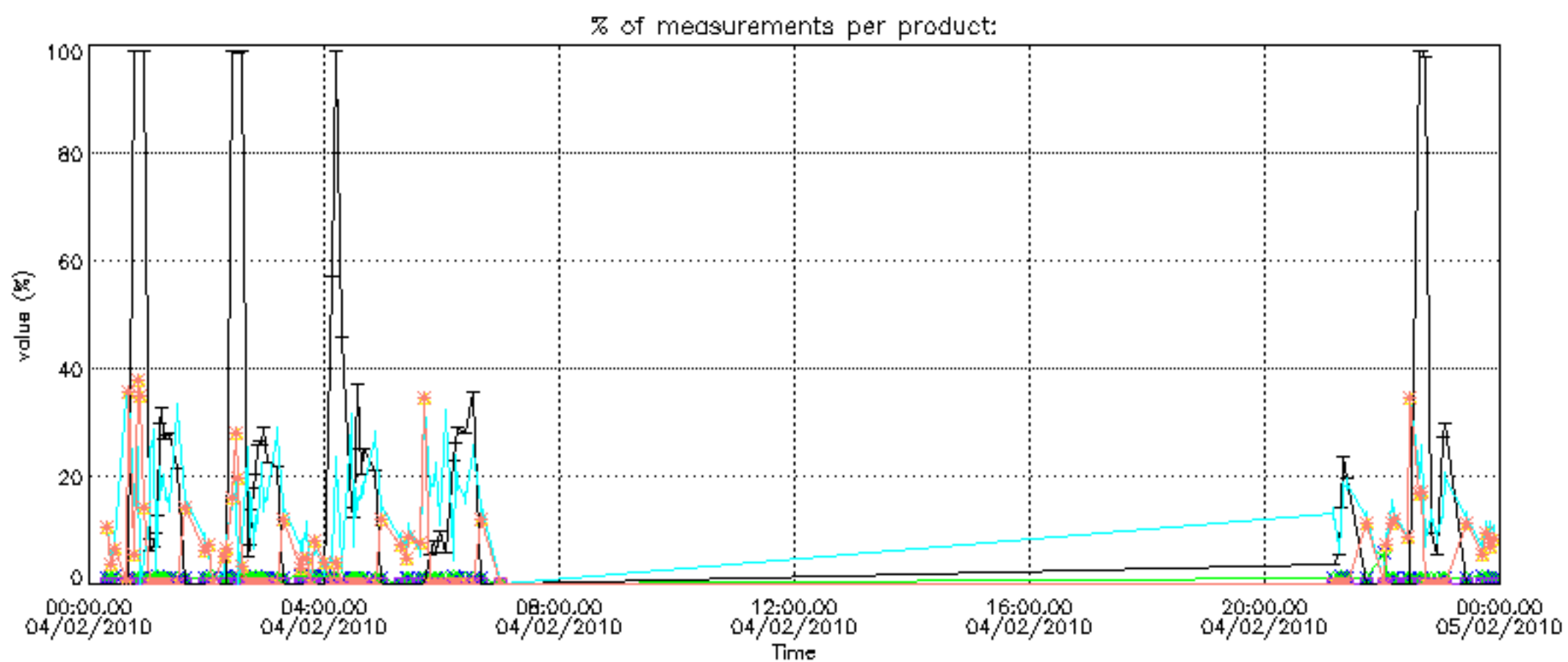
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	04-FEB-2010 00:17:02
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100202_143945_20100131_000000_20500101_000000	1	04-FEB-2010 00:17:02
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	04-FEB-2010 00:17:02
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	04-FEB-2010 00:17:02
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	04-FEB-2010 00:17:02
ECMWF_FILE	AUX_ECF_AXNECM20100203_062113_20100203_210000_20100204_090000	1	04-FEB-2010 00:17:02
ECMWF_FILE	AUX_ECF_AXNECM20100203_182113_20100204_030000_20100204_150000	44	04-FEB-2010 03:38:12
ECMWF_FILE	AUX_ECA_AXNECM20100204_060113_20100203_210000_20100204_090000	61	04-FEB-2010 05:23:34
ECMWF_FILE	AUX_ECF_AXNECM20100204_062114_20100204_210000_20100205_090000	77	04-FEB-2010 21:09:45
OPTIONAL_ECMWF_FILE	MISSING	1	04-FEB-2010 00:17:02
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100203_230406_000054192086_00330_41466_9698.N1	1	04-FEB-2010 00:17:02
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100204_003944_000057382086_00331_41467_9699.N1	6	04-FEB-2010 00:45:55
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100203_110112_20100202_184648_20100212_201300	27	04-FEB-2010 02:26:32
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100204_204549_000060572086_00343_41479_9706.N1	77	04-FEB-2010 21:09:45
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100204_223205_000057382086_00344_41480_9707.N1	89	04-FEB-2010 22:33:50



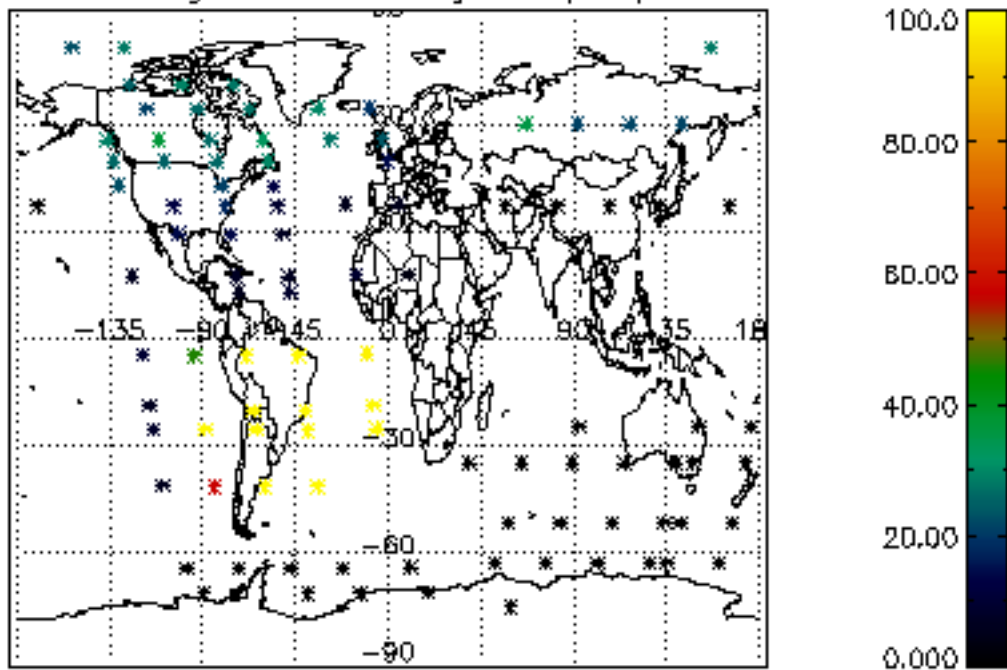




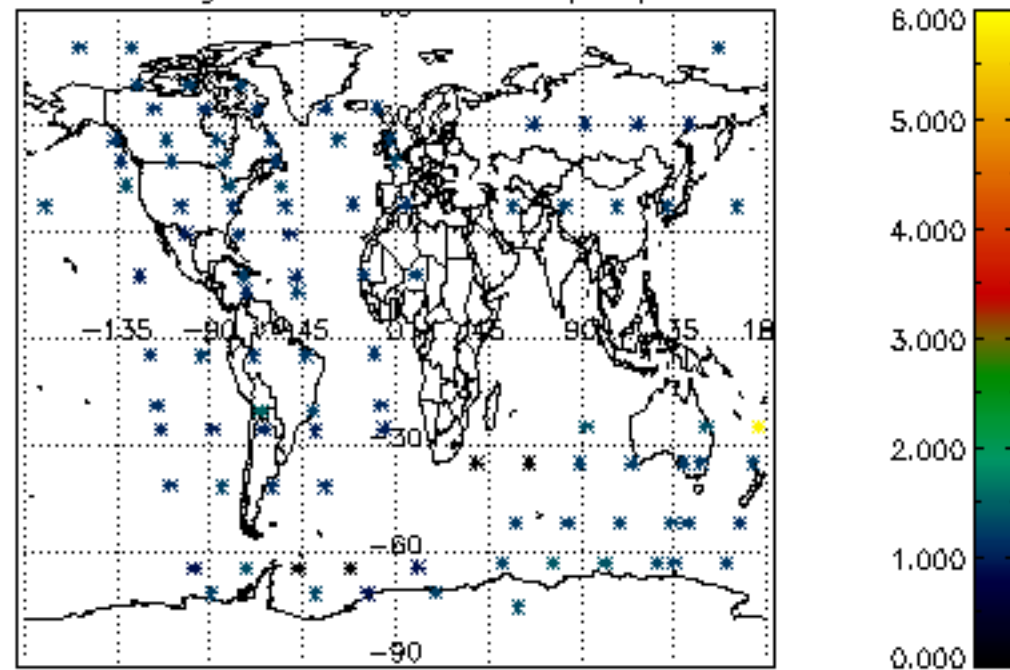




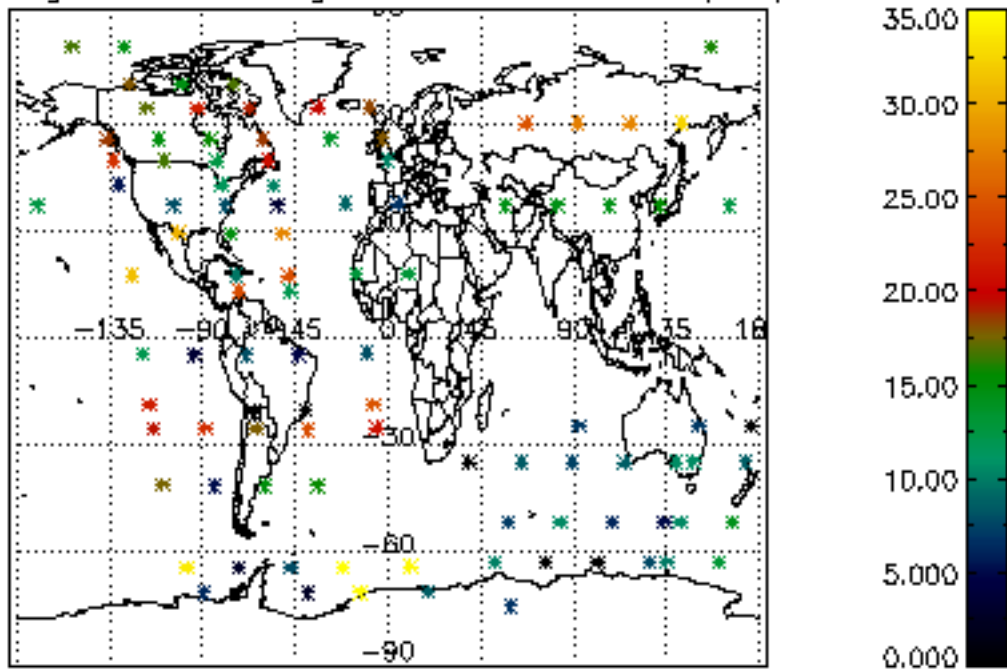
Percentage of cosmic ray hits per profile



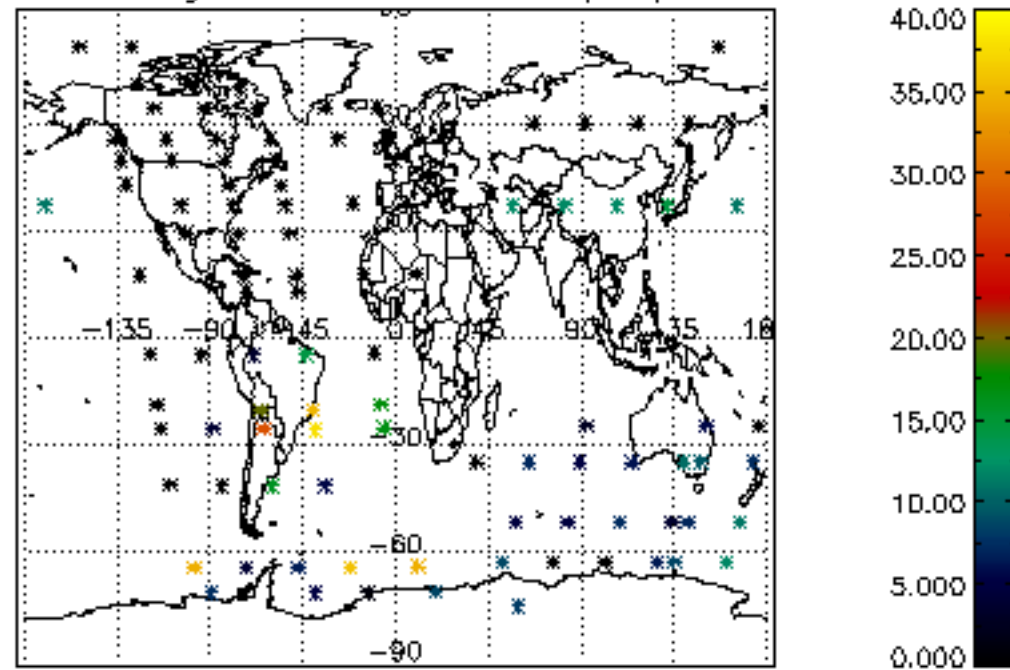
Percentage of datation errors per profile



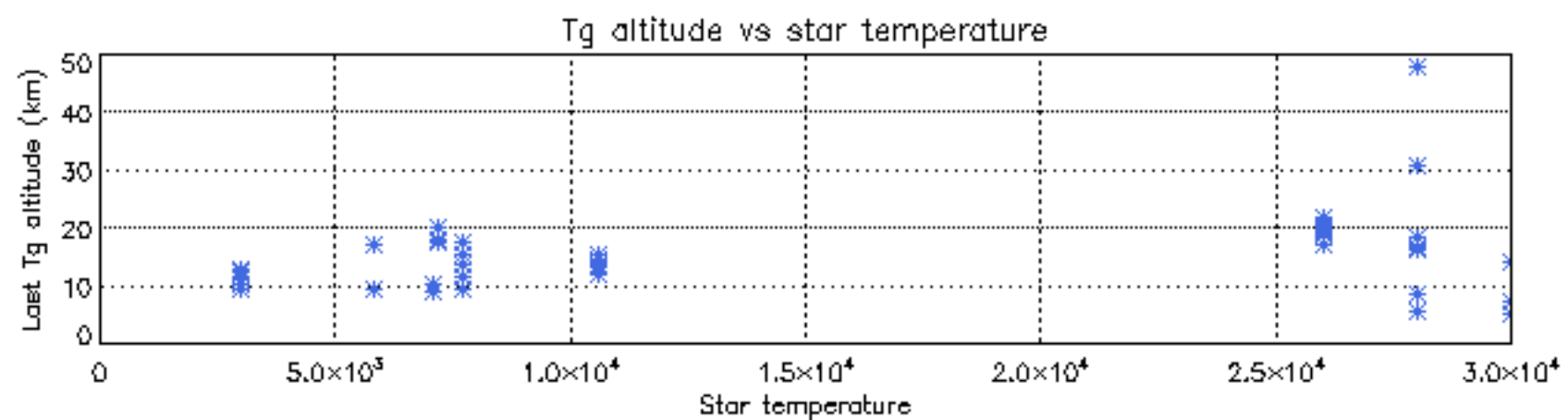
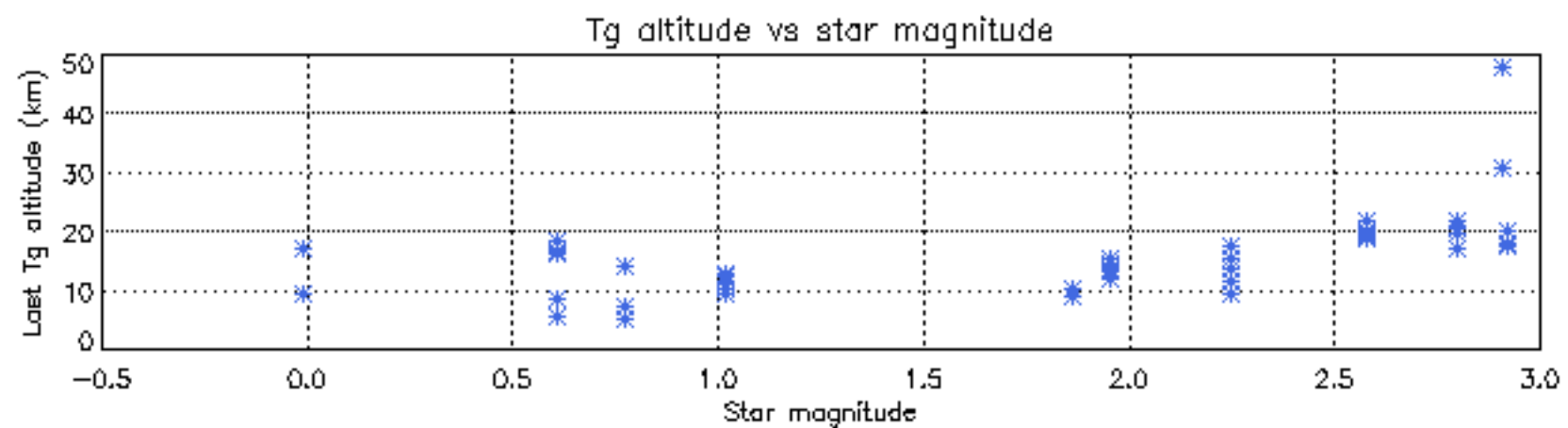
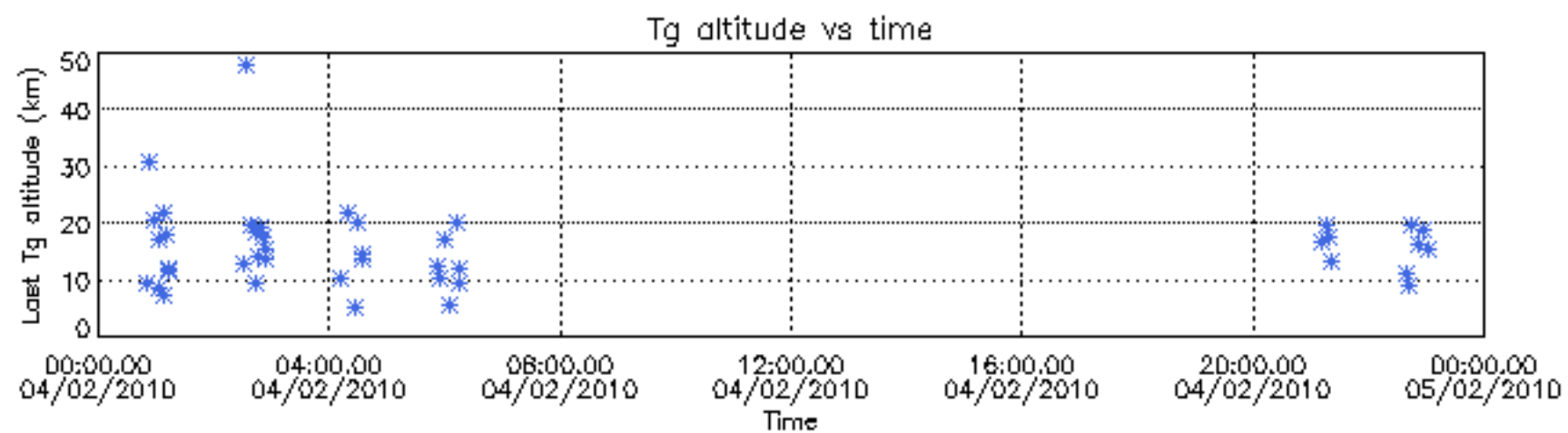
Percentage of star falling outside central band per profile



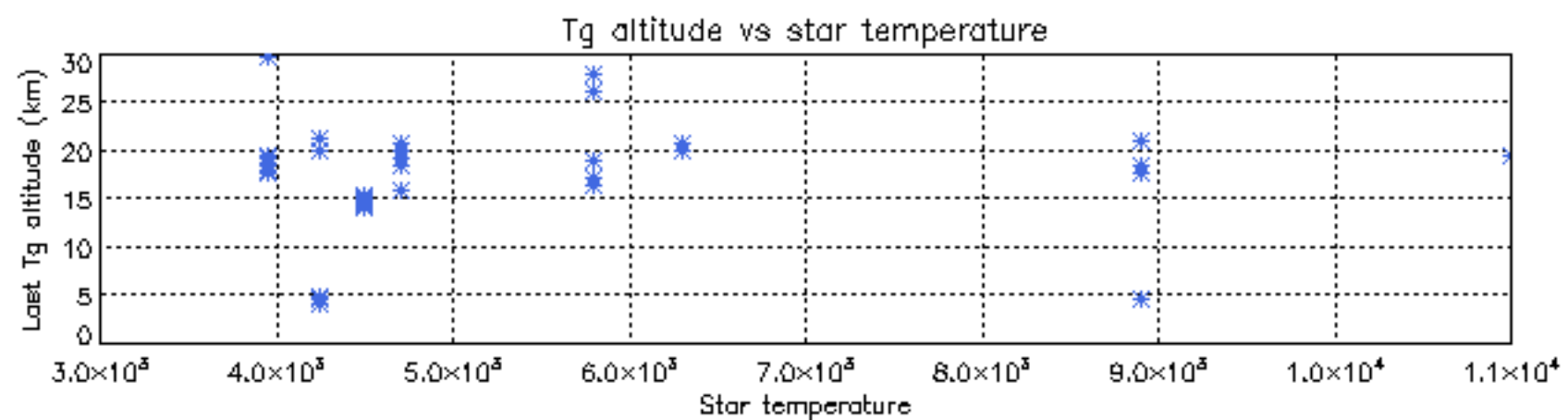
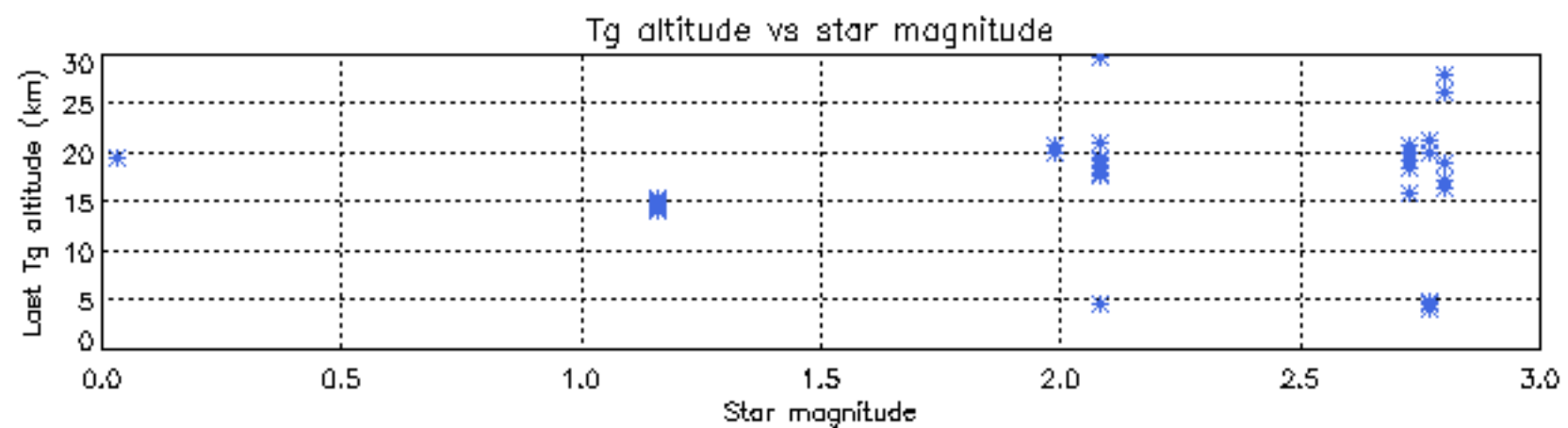
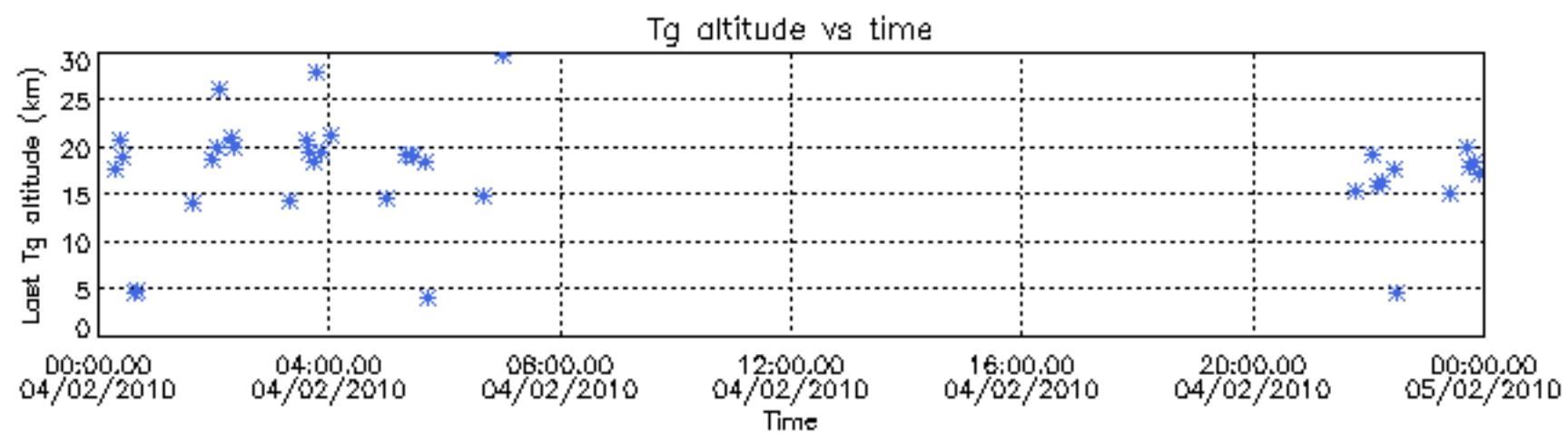
Percentage of saturation errors per profile



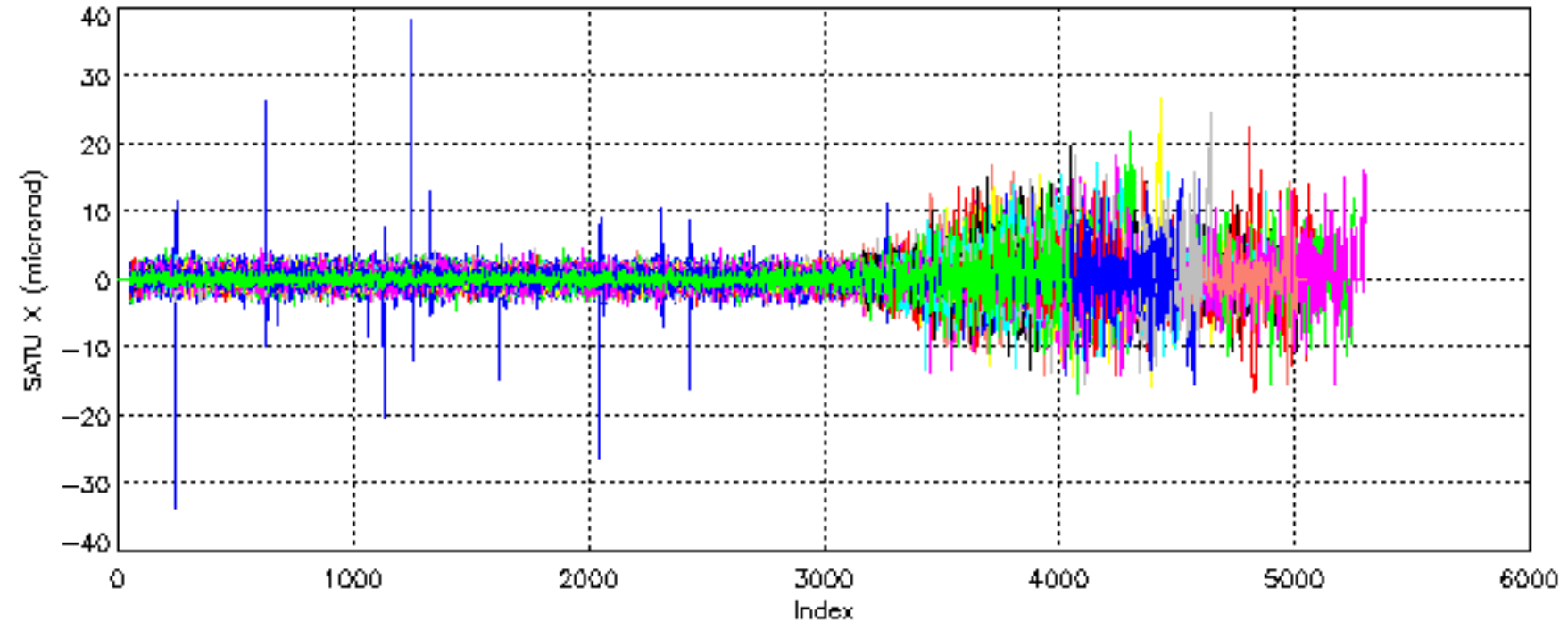
Tangent altitude at which the star is lost

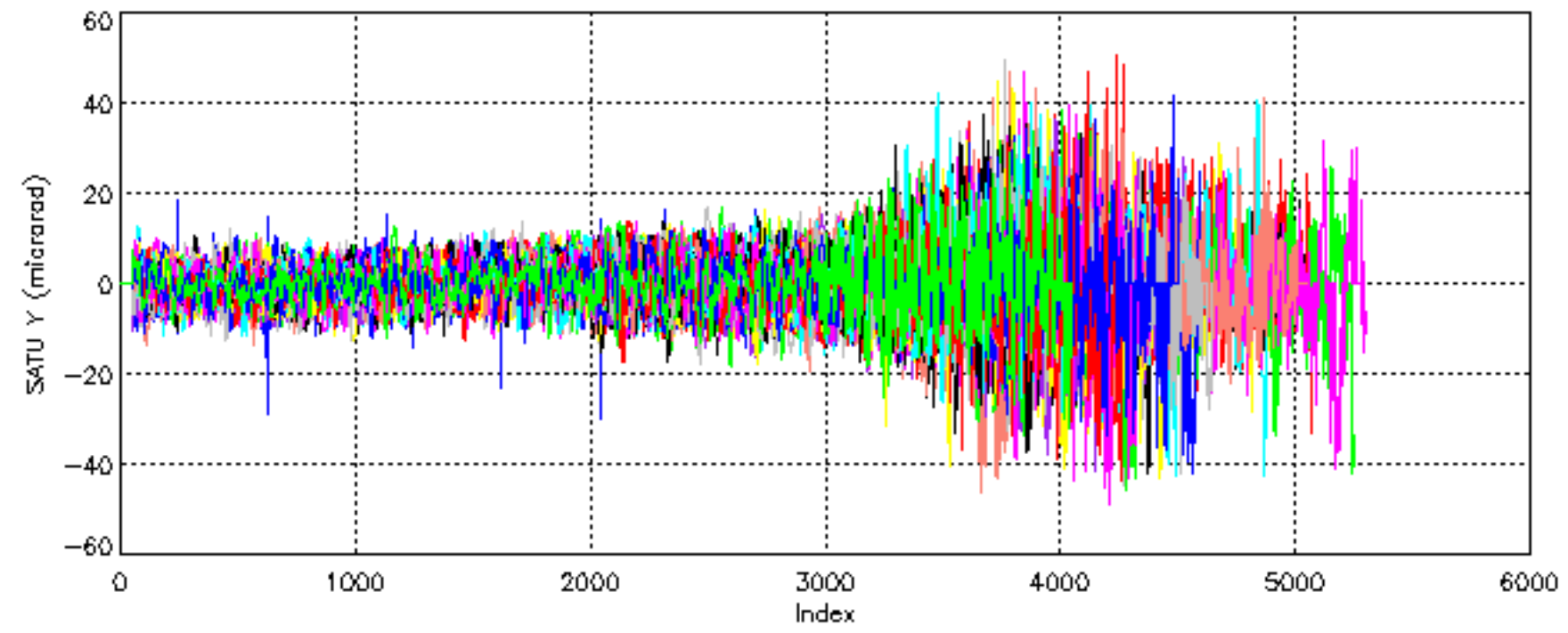


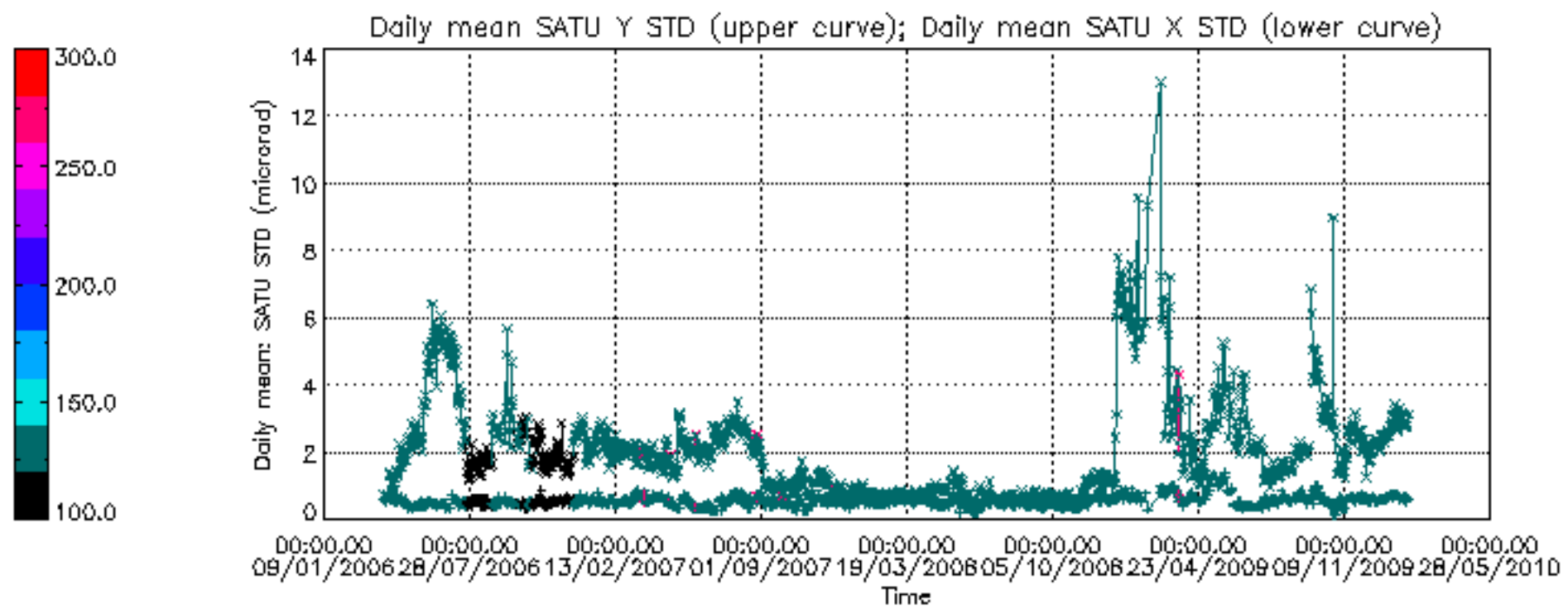
Tangent altitude at which the star is lost











/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20100201\_003952\_000056972086\_00288\_41424\_9421.N1

1; -718.0; 01-FEB-2010 00:39:52; Dark ; 41.0; 86; 35Eta Oph ; 2.43; 10200;occ; 82; 8;41424  
 2; -463.4; 01-FEB-2010 00:44:06; Dark ; 49.0; 16; 21Alp Sco ; 1.02; 3000;occ; 98; 0;41424  
 3; -116.1; 01-FEB-2010 00:49:54; Dark ; 42.0; 131; Gam Lup ; 2.80; 26000;occ; 84; 0;41424  
 4; 17.5; 01-FEB-2010 00:52:07; Dark ; 45.0; 109; Bet Lup ; 2.68; 26000;occ; 90; 0;41425  
 5; 106.9; 01-FEB-2010 00:53:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41425  
 6; 194.7; 01-FEB-2010 00:55:04; Dark ; 49.0; 4; Alp1Cen ;-0.01; 5800;occ; 98; 0;41425  
 7; 311.1; 01-FEB-2010 00:57:01; Dark ; 42.0; 77; Eps Cen ; 2.30; 28000;occ; 84; 0;41425  
 8; 470.4; 01-FEB-2010 00:59:40; Dark ; 50.0; 12; Alp1Cru ; 0.77; 30000;occ; 100; 0;41425  
 9; 591.6; 01-FEB-2010 01:01:41; Dark ; 45.0; 99; Del Cen ; 2.58; 26000;occ; 90; 0;41425  
 10; 708.5; 01-FEB-2010 01:03:38; Dark ; 42.0; 159; Ups Car ; 2.92; 7200;occ; 84; 0;41425  
 11; 823.9; 01-FEB-2010 01:05:34; Dark ; 44.0; 71; Iot Car ; 2.25; 7700;occ; 88; 0;41425  
 12; 928.5; 01-FEB-2010 01:07:18; Dark ; 38.5; 46; Del Vel ; 1.95; 10600;occ; 77; 0;41425  
 13; 1080.0; 01-FEB-2010 01:09:50; Dark ; 38.5; 34; Gam2Vel ; 1.79; 23000;occ; 77; 0;41425  
 14; 1205.0; 01-FEB-2010 01:11:55; Dark ; 39.0; 70; Zet Pup ; 2.25; 39000;occ; 78; 0;41425  
 15; 1467.4; 01-FEB-2010 01:16:17; Dark ; 42.5; 132; 15Rho Pup ; 2.80; 6900;occ; 85; 0;41425  
 16; 1992.9; 01-FEB-2010 01:25:03; Dark ; 45.0; 8; 10Alp CMi ; 0.40; 6500;occ; 90; 0;41425  
 17; 2341.1; 01-FEB-2010 01:30:51; Bright; 38.0; 170; 27Eps Gem ; 3.00; 9700;occ; 76; 0;41425  
 18; 2455.8; 01-FEB-2010 01:32:46; Bright; 39.5; 24; 66Alp Gem ; 1.58; 10200;occ; 79; 0;41425  
 19; 3427.8; 01-FEB-2010 01:48:58; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;41425  
 20; 3613.3; 01-FEB-2010 01:52:03; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;41425  
 21; 3896.6; 01-FEB-2010 01:56:46; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;41425  
 22; 4087.0; 01-FEB-2010 01:59:57; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;41425  
 23; 4304.9; 01-FEB-2010 02:03:35; Bright; 34.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 69; 0;41425  
 24; 4797.7; 01-FEB-2010 02:11:48; Bright; 55.0; 59; 55Alp Oph ; 2.08; 8900;occ; 110; 0;41425  
 25; 4925.7; 01-FEB-2010 02:13:55; Bright; 53.5; 126; 60Bet Oph ; 2.77; 4250;occ; 107; 0;41425

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 2; -721.4; 01-FEB-2010 02:20:24; Dark ; 44.5; 86; 35Eta Oph ; 2.43; 10200;occ; 89; 0;41425  
 3; -462.6; 01-FEB-2010 02:24:43; Dark ; 53.0; 16; 21Alp Sco ; 1.02; 3000;occ; 106; 0;41425  
 4; -378.9; 01-FEB-2010 02:26:07; Dark ; 44.5; 158; 6Pi Sco ; 2.91; 28000;occ; 89; 0;41425  
 5; -115.5; 01-FEB-2010 02:30:30; Dark ; 43.0; 131; Gam Lup ; 2.80; 26000;occ; 86; 0;41425  
 6; 18.5; 01-FEB-2010 02:32:44; Dark ; 45.0; 109; Bet Lup ; 2.68; 26000;occ; 90; 0;41426  
 7; 107.6; 01-FEB-2010 02:34:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41426  
 8; 195.5; 01-FEB-2010 02:35:41; Dark ; 42.5; 4; Alp1Cen ;-0.01; 5800;occ; 85; 0;41426  
 9; 312.2; 01-FEB-2010 02:37:38; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;41426  
 10; 470.9; 01-FEB-2010 02:40:17; Dark ; 44.0; 12; Alp1Cru ; 0.77; 30000;occ; 88; 0;41426  
 11; 592.5; 01-FEB-2010 02:42:18; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;41426  
 12; 709.0; 01-FEB-2010 02:44:15; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41426  
 13; 824.1; 01-FEB-2010 02:46:10; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;41426  
 14; 929.0; 01-FEB-2010 02:47:55; Dark ; 42.5; 46; Del Vel ; 1.95; 10600;occ; 85; 0;41426  
 15; 1080.4; 01-FEB-2010 02:50:26; Dark ; 42.5; 34; Gam2Vel ; 1.79; 23000;occ; 85; 0;41426  
 16; 1205.4; 01-FEB-2010 02:52:31; Dark ; 41.5; 70; Zet Pup ; 2.25; 39000;occ; 83; 0;41426  
 17; 1467.2; 01-FEB-2010 02:56:53; Dark ; 42.5; 132; 15Rho Pup ; 2.80; 6900;occ; 85; 0;41426  
 18; 1993.0; 01-FEB-2010 03:05:39; Dark ; 50.0; 8; 10Alp CMi ; 0.40; 6500;occ; 100; 0;41426  
 19; 2341.2; 01-FEB-2010 03:11:27; Bright; 38.0; 170; 27Eps Gem ; 3.00; 9700;occ; 76; 0;41426  
 20; 2455.9; 01-FEB-2010 03:13:22; Bright; 39.5; 24; 66Alp Gem ; 1.58; 10200;occ; 79; 0;41426  
 21; 3427.9; 01-FEB-2010 03:29:34; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;41426

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 2; -2139.8; 01-FEB-2010 03:37:22; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;41426  
 3; -1949.0; 01-FEB-2010 03:40:33; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;41426  
 4; -1731.1; 01-FEB-2010 03:44:11; Bright; 35.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 70; 0;41426  
 5; -1238.0; 01-FEB-2010 03:52:24; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;41426  
 6; -1110.0; 01-FEB-2010 03:54:32; Bright; 42.5; 126; 60Bet Oph ; 2.77; 4250;occ; 85; 0;41426  
 7; -720.8; 01-FEB-2010 04:01:01; Dark ; 45.5; 86; 35Eta Oph ; 2.43; 10200;occ; 91; 0;41426  
 8; -462.1; 01-FEB-2010 04:05:20; Dark ; 50.0; 16; 21Alp Sco ; 1.02; 3000;occ; 100; 0;41426  
 9; -378.0; 01-FEB-2010 04:06:44; Dark ; 44.0; 158; 6Pi Sco ; 2.91; 28000;occ; 88; 0;41426  
 10; -114.7; 01-FEB-2010 04:11:07; Dark ; 42.5; 131; Gam Lup ; 2.80; 26000;occ; 85; 0;41426  
 11; 108.3; 01-FEB-2010 04:14:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41427  
 12; 196.0; 01-FEB-2010 04:16:18; Dark ; 54.5; 4; Alp1Cen ;-0.01; 5800;occ; 109; 0;41427  
 13; 312.7; 01-FEB-2010 04:18:14; Dark ; 43.0; 77; Eps Cen ; 2.30; 28000;occ; 86; 0;41427  
 14; 471.4; 01-FEB-2010 04:20:53; Dark ; 48.0; 12; Alp1Cru ; 0.77; 30000;occ; 96; 0;41427  
 15; 593.0; 01-FEB-2010 04:22:55; Dark ; 49.0; 99; Del Cen ; 2.58; 26000;occ; 98; 0;41427  
 16; 709.3; 01-FEB-2010 04:24:51; Dark ; 38.5; 159; Ups Car ; 2.92; 7200;occ; 77; 0;41427  
 17; 824.6; 01-FEB-2010 04:26:46; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;41427  
 18; 929.4; 01-FEB-2010 04:28:31; Dark ; 42.5; 46; Del Vel ; 1.95; 10600;occ; 85; 0;41427  
 19; 1080.4; 01-FEB-2010 04:31:02; Dark ; 43.0; 34; Gam2Vel ; 1.79; 23000;occ; 86; 0;41427



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21; 1467.8; 01-FEB-2010 04:37:29; Dark ; 42.0; 132; 15Rho Pup ; 2.80; 6900;occ; 84; 0;41427
22; 1992.7; 01-FEB-2010 04:46:14; Dark ; 50.0; 8; 10Alp CMi ; 0.40; 6500;occ; 100; 0;41427
23; 2341.6; 01-FEB-2010 04:52:03; Bright; 36.0; 170; 27Eps Gem ; 3.00; 9700;occ; 72; 0;41427
24; 2455.7; 01-FEB-2010 04:53:57; Bright; 38.5; 24; 66Alp Gem ; 1.58; 10200;occ; 77; 0;41427
25; 3427.6; 01-FEB-2010 05:10:09; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;41427
26; 3613.0; 01-FEB-2010 05:13:15; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;41427
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3; -1948.9; 01-FEB-2010 05:21:09; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;41427
4; -1730.8; 01-FEB-2010 05:24:47; Bright; 36.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 73; 0;41427
5; -1237.8; 01-FEB-2010 05:33:00; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;41427
6; -1109.8; 01-FEB-2010 05:35:08; Bright; 36.5; 126; 60Bet Oph ; 2.77; 4250;occ; 73; 0;41427
7; -720.4; 01-FEB-2010 05:41:37; Dark ; 46.0; 86; 35Eta Oph ; 2.43; 10200;occ; 92; 0;41427
8; -461.5; 01-FEB-2010 05:45:56; Dark ; 50.0; 16; 21Alp Sco ; 1.02; 3000;occ; 100; 0;41427
9; -377.3; 01-FEB-2010 05:47:20; Dark ; 45.5; 158; 6Pi Sco ; 2.91; 28000;occ; 91; 0;41427
10; -113.8; 01-FEB-2010 05:51:44; Dark ; 44.5; 131; Gam Lup ; 2.80; 26000;occ; 89; 0;41427
11; 109.0; 01-FEB-2010 05:55:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41428
12; 196.6; 01-FEB-2010 05:56:54; Dark ; 45.0; 4; Alp1Cen ; -0.01; 5800;occ; 90; 0;41428
13; 313.4; 01-FEB-2010 05:58:51; Dark ; 42.0; 77; Eps Cen ; 2.30; 28000;occ; 84; 0;41428
14; 472.0; 01-FEB-2010 06:01:30; Dark ; 41.0; 12; Alp1Cru ; 0.77; 30000;occ; 82; 0;41428
15; 593.9; 01-FEB-2010 06:03:32; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;41428
16; 709.7; 01-FEB-2010 06:05:27; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41428
17; 824.7; 01-FEB-2010 06:07:22; Dark ; 45.5; 71; Iot Car ; 2.25; 7700;occ; 91; 0;41428
18; 929.7; 01-FEB-2010 06:09:07; Dark ; 45.0; 46; Del Vel ; 1.95; 10600;occ; 90; 0;41428
19; 1080.5; 01-FEB-2010 06:11:38; Dark ; 42.0; 34; Gam2Vel ; 1.79; 23000;occ; 84; 0;41428
20; 1205.9; 01-FEB-2010 06:13:44; Dark ; 41.5; 70; Zet Pup ; 2.25; 39000;occ; 83; 0;41428
21; 1468.0; 01-FEB-2010 06:18:06; Dark ; 42.5; 132; 15Rho Pup ; 2.80; 6900;occ; 85; 0;41428
22; 1992.9; 01-FEB-2010 06:26:51; Dark ; 52.0; 8; 10Alp CMi ; 0.40; 6500;occ; 104; 0;41428
23; 2341.7; 01-FEB-2010 06:32:39; Bright; 36.5; 170; 27Eps Gem ; 3.00; 9700;occ; 73; 0;41428
24; 2455.4; 01-FEB-2010 06:34:33; Bright; 39.0; 24; 66Alp Gem ; 1.58; 10200;occ; 78; 0;41428
25; 3427.8; 01-FEB-2010 06:50:45; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;41428
26; 3612.8; 01-FEB-2010 06:53:50; Bright; 44.5; 60; 7Bet UMi ; 2.08; 3950;occ; 89; 0;41428
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2; 931.8; 01-FEB-2010 19:33:57; Dark ; 42.0; 46; Del Vel ; 1.95; 10600;occ; 84; 0;41436
3; 1082.8; 01-FEB-2010 19:36:28; Dark ; 42.0; 34; Gam2Vel ; 1.79; 23000;occ; 84; 0;41436
4; 1207.6; 01-FEB-2010 19:38:33; Dark ; 40.5; 70; Zet Pup ; 2.25; 39000;occ; 81; 0;41436
5; 1469.4; 01-FEB-2010 19:42:54; Dark ; 42.0; 132; 15Rho Pup ; 2.80; 6900;occ; 84; 0;41436
6; 1993.0; 01-FEB-2010 19:51:38; Dark ; 49.0; 8; 10Alp CMi ; 0.40; 6500;occ; 98; 0;41436
7; 2342.8; 01-FEB-2010 19:57:28; Bright; 38.5; 170; 27Eps Gem ; 3.00; 9700;occ; 77; 0;41436
8; 2454.7; 01-FEB-2010 19:59:20; Bright; 54.0; 24; 66Alp Gem ; 1.58; 10200;occ; 108; 0;41436
9; 3427.8; 01-FEB-2010 20:15:33; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;41436
10; 3610.9; 01-FEB-2010 20:18:36; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;41436
11; 3894.5; 01-FEB-2010 20:23:20; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;41436
12; 4086.8; 01-FEB-2010 20:26:32; Bright; 41.0; 130; 23Bet Dra ; 2.80; 5800;occ; 82; 0;41436
13; 4306.4; 01-FEB-2010 20:30:12; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;41436
14; 4800.8; 01-FEB-2010 20:38:26; Bright; 55.0; 59; 55Alp Oph ; 2.08; 8900;occ; 110; 0;41436
15; 4929.3; 01-FEB-2010 20:40:34; Bright; 36.0; 126; 60Bet Oph ; 2.77; 4250;occ; 72; 0;41436
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3; -368.9; 01-FEB-2010 20:52:52; Dark ; 47.5; 158; 6Pi Sco ; 2.91; 28000;occ; 95; 0;41436
4; -106.3; 01-FEB-2010 20:57:15; Dark ; 42.0; 131; Gam Lup ; 2.80; 26000;occ; 84; 0;41436
5; 28.2; 01-FEB-2010 20:59:29; Dark ; 45.0; 109; Bet Lup ; 2.68; 26000;occ; 90; 0;41437
6; 115.3; 01-FEB-2010 21:00:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41437
7; 201.2; 01-FEB-2010 21:02:22; Dark ; 41.5; 4; Alp1Cen ; -0.01; 5800;occ; 83; 0;41437
8; 320.5; 01-FEB-2010 21:04:22; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;41437
9; 476.6; 01-FEB-2010 21:06:58; Dark ; 42.0; 12; Alp1Cru ; 0.77; 30000;occ; 84; 0;41437
10; 600.9; 01-FEB-2010 21:09:02; Dark ; 45.0; 99; Del Cen ; 2.58; 26000;occ; 90; 0;41437
11; 712.4; 01-FEB-2010 21:10:53; Dark ; 39.5; 159; Ups Car ; 2.92; 7200;occ; 79; 0;41437
12; 827.5; 01-FEB-2010 21:12:49; Dark ; 38.5; 71; Iot Car ; 2.25; 7700;occ; 77; 0;41437
13; 932.2; 01-FEB-2010 21:14:33; Dark ; 41.0; 46; Del Vel ; 1.95; 10600;occ; 82; 0;41437
14; 1082.8; 01-FEB-2010 21:17:04; Dark ; 41.5; 34; Gam2Vel ; 1.79; 23000;occ; 83; 0;41437
15; 1207.7; 01-FEB-2010 21:19:09; Dark ; 42.0; 70; Zet Pup ; 2.25; 39000;occ; 84; 0;41437
16; 1469.8; 01-FEB-2010 21:23:31; Dark ; 43.0; 132; 15Rho Pup ; 2.80; 6900;occ; 86; 0;41437
17; 1993.0; 01-FEB-2010 21:32:14; Dark ; 46.5; 8; 10Alp CMi ; 0.40; 6500;occ; 93; 0;41437

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 19; 2454.7; 01-FEB-2010 21:39:56; Bright; 38.5; 24; 66Alp Gem ; 1.58; 10200;occ; 77; 0;41437  
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 21; 3610.6; 01-FEB-2010 21:59:12; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;41437  
 22; 3894.2; 01-FEB-2010 22:03:55; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;41437  
 23; 4086.7; 01-FEB-2010 22:07:08; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;41437  
 24; 4306.6; 01-FEB-2010 22:10:48; Bright; 52.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 104; 0;41437  
 25; 4801.1; 01-FEB-2010 22:19:02; Bright; 55.0; 59; 55Alp Oph ; 2.08; 8900;occ; 110; 0;41437  
 26; 4929.4; 01-FEB-2010 22:21:10; Bright; 35.5; 126; 60Bet Oph ; 2.77; 4250;occ; 71; 0;41437  
 27; 5320.7; 01-FEB-2010 22:27:42; Dark ; 11.0; 86; 35Eta Oph ; 2.43; 10200;occ; 22; 0;41437

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 2; -454.3; 01-FEB-2010 22:32:03; Dark ; 54.0; 16; 21Alp Sco ; 1.02; 3000;occ; 108; 0;41437  
 3; -105.6; 01-FEB-2010 22:37:51; Dark ; 43.0; 131; Gam Lup ; 2.80; 26000;occ; 86; 0;41437  
 4; 29.1; 01-FEB-2010 22:40:06; Dark ; 46.5; 109; Bet Lup ; 2.68; 26000;occ; 93; 0;41438  
 5; 116.1; 01-FEB-2010 22:41:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41438  
 6; 201.8; 01-FEB-2010 22:42:59; Dark ; 53.5; 4; Alp1Cen ;-0.01; 5800;occ; 107; 0;41438  
 7; 274.4; 01-FEB-2010 22:44:11; Dark ; 42.5; 10; Bet Cen ; 0.61; 28000;occ; 85; 0;41438  
 8; 477.2; 01-FEB-2010 22:47:34; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;41438  
 9; 601.5; 01-FEB-2010 22:49:38; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;41438  
 10; 712.8; 01-FEB-2010 22:51:30; Dark ; 37.0; 159; Ups Car ; 2.92; 7200;occ; 74; 0;41438  
 11; 827.8; 01-FEB-2010 22:53:25; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;41438  
 12; 932.4; 01-FEB-2010 22:55:09; Dark ; 42.0; 46; Del Vel ; 1.95; 10600;occ; 84; 0;41438  
 13; 1083.1; 01-FEB-2010 22:57:40; Dark ; 41.0; 34; Gam2Vel ; 1.79; 23000;occ; 82; 0;41438  
 14; 1207.8; 01-FEB-2010 22:59:45; Dark ; 41.5; 70; Zet Pup ; 2.25; 39000;occ; 83; 0;41438  
 15; 1469.4; 01-FEB-2010 23:04:06; Dark ; 42.0; 132; 15Rho Pup ; 2.80; 6900;occ; 84; 0;41438  
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 17; 2343.0; 01-FEB-2010 23:18:40; Bright; 36.5; 170; 27Eps Gem ; 3.00; 9700;occ; 73; 0;41438  
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 23; 4306.6; 01-FEB-2010 23:51:23; Bright; 34.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 68; 0;41438  
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23; 6966.3; 01-FEB-2010 11:10:56; Dark ; 40.5; 46; Del Vel ; 1.95; 10600;occ; 81; 0;41430
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 14; 5935.3; 02-FEB-2010 08:41:32; Dark ; 43.5; 131; Gam Lup ; 2.80; 26000;occ; 87; 0;41443  
 15; 6071.1; 02-FEB-2010 08:43:48; Dark ; 45.5; 109; Bet Lup ; 2.68; 26000;occ; 91; 0;41443  
 16; 6241.2; 02-FEB-2010 08:46:38; Dark ; 41.0; 4; Alp1Cen ; -0.01; 5800;occ; 82; 0;41443  
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 3; 2454.1; 02-FEB-2010 09:24:07; Bright; 39.0; 24; 66Alp Gem ; 1.58; 10200;occ; 78; 0;41444  
 4; 3428.1; 02-FEB-2010 09:40:21; Bright; 50.0; 49; 1Alp UMi ; 1.99; 6300;occ; 100; 0;41444  
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 7; 4086.4; 02-FEB-2010 09:51:19; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;41444  
 8; 4307.5; 02-FEB-2010 09:55:00; Bright; 35.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 70; 0;41444  
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 11; 5324.2; 02-FEB-2010 10:11:57; Dark ; 42.5; 86; 35Eta Oph ; 2.43; 10200;occ; 85; 0;41444  
 12; 5586.8; 02-FEB-2010 10:16:19; Dark ; 56.5; 16; 21Alp Sco ; 1.02; 3000;occ; 113; 0;41444  
 13; 5674.0; 02-FEB-2010 10:17:46; Dark ; 47.0; 158; 6Pi Sco ; 2.91; 28000;occ; 94; 0;41444  
 14; 6005.4; 02-FEB-2010 10:23:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41444  
 15; 6241.7; 02-FEB-2010 10:27:14; Dark ; 42.0; 4; Alp1Cen ; -0.01; 5800;occ; 84; 0;41444  
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 17; 6517.0; 02-FEB-2010 10:31:49; Dark ; 42.5; 12; Alp1Cru ; 0.77; 30000;occ; 85; 0;41444  
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 19; 6751.2; 02-FEB-2010 10:35:44; Dark ; 41.0; 159; Ups Car ; 2.92; 7200;occ; 82; 0;41444  
 20; 6866.1; 02-FEB-2010 10:37:38; Dark ; 45.5; 71; Iot Car ; 2.25; 7700;occ; 91; 0;41444

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13; 5675.3; 02-FEB-2010 11:58:24; Dark ; 46.5; 158; 6Pi Sco ; 2.91; 28000;occ; 93; 0;41445
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22; 6970.5; 02-FEB-2010 12:19:59; Dark ; 44.0; 46; Del Vel ; 1.95; 10600;occ; 88; 0;41445
23; 7120.8; 02-FEB-2010 12:22:29; Dark ; 37.0; 34; Gam2Vel ; 1.79; 23000;occ; 74; 0;41445
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22; 6751.6; 02-FEB-2010 13:56:56; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41446
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 23; 6971.5; 02-FEB-2010 17:21:47; Dark ; 39.5; 46; Del Vel ; 1.95; 10600;occ; 79; 0;41448  
 24; 7121.7; 02-FEB-2010 17:24:18; Dark ; 41.0; 34; Gam2Vel ; 1.79; 23000;occ; 82; 0;41448

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 3; 1471.8; 02-FEB-2010 17:30:44; Dark ; 39.5; 132; 15Rho Pup ; 2.80; 6900;occ; 79; 0;41449  
 4; 1993.3; 02-FEB-2010 17:39:25; Dark ; 50.0; 8; 10Alp CMi ; 0.40; 6500;occ; 100; 0;41449  
 5; 2350.1; 02-FEB-2010 17:45:22; Bright; 31.5; 170; 27Eps Gem ; 3.00; 9700;occ; 63; 0;41449  
 6; 2453.6; 02-FEB-2010 17:47:06; Bright; 38.5; 24; 66Alp Gem ; 1.58; 10200;occ; 77; 0;41449  
 7; 3428.1; 02-FEB-2010 18:03:20; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;41449  
 8; 3607.4; 02-FEB-2010 18:06:19; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;41449  
 9; 3891.8; 02-FEB-2010 18:11:04; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;41449  
 10; 4086.7; 02-FEB-2010 18:14:19; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;41449  
 11; 4308.2; 02-FEB-2010 18:18:00; Bright; 35.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 71; 0;41449  
 12; 4804.9; 02-FEB-2010 18:26:17; Bright; 56.0; 59; 55Alp Oph ; 2.08; 8900;occ; 112; 0;41449  
 13; 4933.3; 02-FEB-2010 18:28:25; Bright; 55.0; 126; 60Bet Oph ; 2.77; 4250;occ; 110; 0;41449  
 14; 5327.1; 02-FEB-2010 18:34:59; Dark ; 44.0; 86; 35Eta Oph ; 2.43; 10200;occ; 88; 0;41449  
 15; 5590.6; 02-FEB-2010 18:39:23; Dark ; 50.0; 16; 21Alp Sco ; 1.02; 3000;occ; 100; 0;41449  
 16; 5678.9; 02-FEB-2010 18:40:51; Dark ; 47.0; 158; 6Pi Sco ; 2.91; 28000;occ; 94; 0;41449  
 17; 6007.5; 02-FEB-2010 18:46:19; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;41449  
 18; 6160.6; 02-FEB-2010 18:48:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41449  
 19; 6244.6; 02-FEB-2010 18:50:17; Dark ; 43.5; 4; Alp1Cen ;-0.01; 5800;occ; 87; 0;41449  
 20; 6317.7; 02-FEB-2010 18:51:30; Dark ; 42.0; 10; Bet Cen ; 0.61; 28000;occ; 84; 0;41449  
 21; 6519.8; 02-FEB-2010 18:54:52; Dark ; 51.5; 12; Alp1Cru ; 0.77; 30000;occ; 103; 0;41449  
 22; 6646.8; 02-FEB-2010 18:56:59; Dark ; 46.0; 99; Del Cen ; 2.58; 26000;occ; 92; 0;41449  
 23; 6752.5; 02-FEB-2010 18:58:44; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41449  
 24; 6867.6; 02-FEB-2010 19:00:40; Dark ; 44.0; 71; Iot Car ; 2.25; 7700;occ; 88; 0;41449  
 25; 6971.8; 02-FEB-2010 19:02:24; Dark ; 40.5; 46; Del Vel ; 1.95; 10600;occ; 81; 0;41449  
 26; 7121.8; 02-FEB-2010 19:04:54; Dark ; 14.5; 34; Gam2Vel ; 1.79; 23000;occ; 29; 0;41449

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 5; 2390.5; 02-FEB-2010 19:26:38; Bright; 40.5; 17; 78Bet Gem ; 1.16; 4500;occ; 81; 0;41450  
 6; 3428.1; 02-FEB-2010 19:43:56; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;41450  
 7; 3607.4; 02-FEB-2010 19:46:55; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;41450  
 8; 3891.7; 02-FEB-2010 19:51:40; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;41450  
 9; 4086.7; 02-FEB-2010 19:54:55; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;41450  
 10; 4308.4; 02-FEB-2010 19:58:36; Bright; 34.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 68; 0;41450  
 11; 4805.3; 02-FEB-2010 20:06:53; Bright; 56.0; 59; 55Alp Oph ; 2.08; 8900;occ; 112; 0;41450  
 12; 4933.9; 02-FEB-2010 20:09:02; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;41450  
 13; 5327.7; 02-FEB-2010 20:15:36; Dark ; 43.0; 86; 35Eta Oph ; 2.43; 10200;occ; 86; 0;41450  
 14; 5591.1; 02-FEB-2010 20:19:59; Dark ; 52.5; 16; 21Alp Sco ; 1.02; 3000;occ; 105; 0;41450  
 15; 5680.0; 02-FEB-2010 20:21:28; Dark ; 48.0; 158; 6Pi Sco ; 2.91; 28000;occ; 96; 0;41450  
 16; 5941.0; 02-FEB-2010 20:25:49; Dark ; 42.5; 131; Gam Lup ; 2.80; 26000;occ; 85; 0;41450  
 17; 6161.2; 02-FEB-2010 20:29:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41450  
 18; 6245.0; 02-FEB-2010 20:30:53; Dark ; 41.0; 4; Alp1Cen ; -0.01; 5800;occ; 82; 0;41450  
 19; 6318.2; 02-FEB-2010 20:32:06; Dark ; 41.5; 10; Bet Cen ; 0.61; 28000;occ; 83; 0;41450  
 20; 6520.3; 02-FEB-2010 20:35:28; Dark ; 41.0; 12; Alp1Cru ; 0.77; 30000;occ; 82; 0;41450  
 21; 6647.9; 02-FEB-2010 20:37:36; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;41450  
 22; 6752.7; 02-FEB-2010 20:39:21; Dark ; 40.0; 159; Ups Car ; 2.92; 7200;occ; 80; 0;41450  
 23; 6868.1; 02-FEB-2010 20:41:16; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;41450  
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 6; 284.1; 03-FEB-2010 01:33:56; Dark ; 45.0; 10; Bet Cen ; 0.61; 28000;occ; 90; 0;41454  
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 8; 614.2; 03-FEB-2010 01:39:26; Dark ; 43.5; 99; Del Cen ; 2.58; 26000;occ; 87; 0;41454  
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 10; 833.0; 03-FEB-2010 01:43:04; Dark ; 43.0; 71; Iot Car ; 2.25; 7700;occ; 86; 0;41454  
 11; 937.0; 03-FEB-2010 01:44:49; Dark ; 38.5; 46; Del Vel ; 1.95; 10600;occ; 77; 0;41454  
 12; 1086.6; 03-FEB-2010 01:47:18; Dark ; 42.5; 34; Gam2Vel ; 1.79; 23000;occ; 85; 0;41454  
 13; 1211.7; 03-FEB-2010 01:49:23; Dark ; 41.0; 70; Zet Pup ; 2.25; 39000;occ; 82; 0;41454  
 14; 1472.7; 03-FEB-2010 01:53:44; Dark ; 42.0; 132; 15Rho Pup ; 2.80; 6900;occ; 84; 0;41454  
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 17; 3428.3; 03-FEB-2010 02:26:20; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;41454  
 18; 3606.0; 03-FEB-2010 02:29:17; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;41454  
 19; 3891.1; 03-FEB-2010 02:34:03; Bright; 46.0; 119; 14Eta Dra ; 2.73; 4700;occ; 92; 0;41454  
 20; 4086.4; 03-FEB-2010 02:37:18; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;41454  
 21; 4308.8; 03-FEB-2010 02:41:00; Bright; 36.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 73; 0;41454  
 22; 4806.5; 03-FEB-2010 02:49:18; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;41454  
 23; 4935.1; 03-FEB-2010 02:51:27; Bright; 55.0; 126; 60Bet Oph ; 2.77; 4250;occ; 110; 0;41454  
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 25; 5594.3; 03-FEB-2010 03:02:26; Dark ; 48.0; 16; 21Alp Sco ; 1.02; 3000;occ; 96; 0;41454  
 26; 5944.5; 03-FEB-2010 03:08:16; Dark ; 44.5; 131; Gam Lup ; 2.80; 26000;occ; 89; 0;41454  
 27; 6081.3; 03-FEB-2010 03:10:33; Dark ; 45.0; 109; Bet Lup ; 2.68; 26000;occ; 90; 0;41454  
 28; 6164.1; 03-FEB-2010 03:11:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41454  
 29; 6247.3; 03-FEB-2010 03:13:19; Dark ; 42.5; 4; Alp1Cen ; -0.01; 5800;occ; 85; 0;41454  
 30; 6320.5; 03-FEB-2010 03:14:32; Dark ; 42.0; 10; Bet Cen ; 0.61; 28000;occ; 84; 0;41454  
 31; 6522.3; 03-FEB-2010 03:17:54; Dark ; 44.0; 12; Alp1Cru ; 0.77; 30000;occ; 88; 0;41454  
 32; 6651.0; 03-FEB-2010 03:20:02; Dark ; 44.0; 99; Del Cen ; 2.58; 26000;occ; 88; 0;41454  
 33; 6754.3; 03-FEB-2010 03:21:46; Dark ; 36.5; 159; Ups Car ; 2.92; 7200;occ; 73; 0;41454  
 34; 6869.4; 03-FEB-2010 03:23:41; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;41454  
 35; 6973.2; 03-FEB-2010 03:25:25; Dark ; 43.0; 46; Del Vel ; 1.95; 10600;occ; 86; 0;41454  
 36; 7123.0; 03-FEB-2010 03:27:54; Dark ; 42.0; 34; Gam2Vel ; 1.79; 23000;occ; 84; 0;41454  
 37; 7248.0; 03-FEB-2010 03:30:00; Dark ; 39.5; 70; Zet Pup ; 2.25; 39000;occ; 79; 0;41454  
 38; 7508.8; 03-FEB-2010 03:34:20; Dark ; 42.5; 132; 15Rho Pup ; 2.80; 6900;occ; 85; 0;41454  
 39; 8029.3; 03-FEB-2010 03:43:01; Dark ; 47.0; 8; 10Alp CMi ; 0.40; 6500;occ; 94; 0;41454  
 40; 8425.8; 03-FEB-2010 03:49:37; Bright; 40.5; 17; 78Bet Gem ; 1.16; 4500;occ; 81; 0;41454

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4;-1949.3; 03-FEB-2010 04:17:54; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;41455
5;-1726.8; 03-FEB-2010 04:21:37; Bright; 42.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 85; 0;41455
6;-1229.3; 03-FEB-2010 04:29:54; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;41455
7;-1100.6; 03-FEB-2010 04:32:03; Bright; 45.0; 126; 60Bet Oph ; 2.77; 4250;occ; 90; 0;41455
8; -705.7; 03-FEB-2010 04:38:38; Dark ; 45.0; 86; 35Eta Oph ; 2.43; 10200;occ; 90; 0;41455
9; -440.8; 03-FEB-2010 04:43:03; Dark ; 56.5; 16; 21Alp Sco ; 1.02; 3000;occ; 113; 0;41455
10; -351.3; 03-FEB-2010 04:44:32; Dark ; 48.0; 158; 6Pi Sco ; 2.91; 28000;occ; 96; 0;41455
11; -90.8; 03-FEB-2010 04:48:53; Dark ; 46.5; 131; Gam Lup ; 2.80; 26000;occ; 93; 0;41455
12; 46.2; 03-FEB-2010 04:51:10; Dark ; 44.5; 109; Bet Lup ; 2.68; 26000;occ; 89; 0;41456
13; 212.0; 03-FEB-2010 04:53:55; Dark ; 56.0; 4; Alp1Cen ;-0.01; 5800;occ; 112; 0;41456
14; 285.3; 03-FEB-2010 04:55:09; Dark ; 50.0; 10; Bet Cen ; 0.61; 28000;occ; 100; 0;41456
15; 486.8; 03-FEB-2010 04:58:30; Dark ; 40.5; 12; Alp1Cru ; 0.77; 30000;occ; 81; 0;41456
16; 615.8; 03-FEB-2010 05:00:39; Dark ; 51.0; 99; Del Cen ; 2.58; 26000;occ; 102; 0;41456
17; 718.4; 03-FEB-2010 05:02:22; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41456
18; 833.7; 03-FEB-2010 05:04:17; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;41456
19; 937.6; 03-FEB-2010 05:06:01; Dark ; 41.0; 46; Del Vel ; 1.95; 10600;occ; 82; 0;41456
20; 1087.3; 03-FEB-2010 05:08:31; Dark ; 42.0; 34; Gam2Vel ; 1.79; 23000;occ; 84; 0;41456
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22; 1473.1; 03-FEB-2010 05:14:56; Dark ; 41.5; 132; 15Rho Pup ; 2.80; 6900;occ; 83; 0;41456
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25; 3428.2; 03-FEB-2010 05:47:32; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;41456
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3;-1726.9; 03-FEB-2010 06:02:12; Bright; 36.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 73; 0;41456
4;-1229.1; 03-FEB-2010 06:10:30; Bright; 40.0; 59; 55Alp Oph ; 2.08; 8900;occ; 80; 0;41456
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6; -705.1; 03-FEB-2010 06:19:14; Dark ; 45.0; 86; 35Eta Oph ; 2.43; 10200;occ; 90; 0;41456
7; -440.3; 03-FEB-2010 06:23:39; Dark ; 48.5; 16; 21Alp Sco ; 1.02; 3000;occ; 97; 0;41456
8; -350.5; 03-FEB-2010 06:25:09; Dark ; 47.0; 158; 6Pi Sco ; 2.91; 28000;occ; 94; 0;41456
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12; 487.5; 03-FEB-2010 06:39:07; Dark ; 48.5; 12; Alp1Cru ; 0.77; 30000;occ; 97; 0;41457
13; 616.6; 03-FEB-2010 06:41:16; Dark ; 45.5; 99; Del Cen ; 2.58; 26000;occ; 91; 0;41457
14; 719.0; 03-FEB-2010 06:42:58; Dark ; 37.5; 159; Ups Car ; 2.92; 7200;occ; 75; 0;41457
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3; 1214.3; 03-FEB-2010 20:16:01; Dark ; 40.5; 70; Zet Pup ; 2.25; 39000;occ; 81; 0;41465
4; 1474.8; 03-FEB-2010 20:20:22; Dark ; 42.0; 132; 15Rho Pup ; 2.80; 6900;occ; 84; 0;41465
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6; 2388.7; 03-FEB-2010 20:35:35; Bright; 40.5; 17; 78Bet Gem ; 1.16; 4500;occ; 81; 0;41465
7; 3428.3; 03-FEB-2010 20:52:55; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;41465
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13; 4938.9; 03-FEB-2010 21:18:06; Bright; 54.5; 126; 60Bet Oph ; 2.77; 4250;occ; 109; 0;41465
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 14; 3428.8; 05-FEB-2010 04:44:18; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;41484  
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8; 948.0; 05-FEB-2010 22:29:32; Dark ; 41.5; 46; Del Vel ; 1.95; 10600;occ; 83; 0;41495
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13; 4819.6; 05-FEB-2010 23:34:04; Bright; 57.0; 59; 55Alp Oph ; 2.08; 8900;occ; 114; 0;41495
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2;-1950.7; 06-FEB-2010 07:44:49; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;41500  
3;-1214.6; 06-FEB-2010 07:57:05; Bright; 58.0; 59; 55Alp Oph ; 2.08; 8900;occ; 116; 0;41500  
4;-1084.0; 06-FEB-2010 07:59:16; Bright; 54.5; 126; 60Bet Oph ; 2.77; 4250;occ; 109; 0;41500  
5; -679.5; 06-FEB-2010 08:06:00; Dark ; 45.5; 86; 35Eta Oph ; 2.43; 10200;occ; 91; 0;41500  
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8; 312.6; 06-FEB-2010 08:22:32; Dark ; 41.0; 10; Bet Cen ; 0.61; 28000;occ; 82; 0;41501  
9; 485.0; 06-FEB-2010 08:25:25; Dark ; 43.0; 20; Bet Cru ; 1.25; 30000;occ; 86; 0;41501  
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11; 846.9; 06-FEB-2010 08:31:27; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;41501  
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2; 3428.8; 06-FEB-2010 09:14:29; Bright; 38.0; 49; 1Alp UMi ; 1.99; 6300;occ; 76; 0;41501  
3; 3881.6; 06-FEB-2010 09:22:01; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;41501  
4; 4084.9; 06-FEB-2010 09:25:25; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;41501  
5; 4821.8; 06-FEB-2010 09:37:42; Bright; 58.0; 59; 55Alp Oph ; 2.08; 8900;occ; 116; 0;41501  
6; 4951.9; 06-FEB-2010 09:39:52; Bright; 41.5; 126; 60Bet Oph ; 2.77; 4250;occ; 83; 0;41501  
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8; 5731.4; 06-FEB-2010 09:52:51; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;41501  
9; 6349.2; 06-FEB-2010 10:03:09; Dark ; 42.0; 10; Bet Cen ; 0.61; 28000;occ; 84; 0;41501  
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11; 6606.6; 06-FEB-2010 10:07:26; Dark ; 47.5; 64; Gam Cen ; 2.20; 10600;occ; 95; 0;41501  
12; 6883.2; 06-FEB-2010 10:12:03; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;41501  
13; 6986.8; 06-FEB-2010 10:13:47; Dark ; 43.0; 46; Del Vel ; 1.95; 10600;occ; 86; 0;41501  
14; 7141.4; 06-FEB-2010 10:16:21; Dark ; 48.5; 65; Lam Vel ; 2.20; 4400;occ; 97; 0;41501  
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3; 3881.3; 06-FEB-2010 11:02:37; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;41502  
4; 4084.6; 06-FEB-2010 11:06:00; Bright; 42.0; 130; 23Bet Dra ; 2.80; 5800;occ; 84; 0;41502  
5; 4822.1; 06-FEB-2010 11:18:18; Bright; 42.0; 59; 55Alp Oph ; 2.08; 8900;occ; 84; 0;41502



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7; 5357.3; 06-FEB-2010 11:27:13; Dark ; 44.5; 86; 35Eta Oph ; 2.43; 10200;occ; 89; 0;41502
8; 5631.9; 06-FEB-2010 11:31:48; Dark ; 50.5; 16; 21Alp Sco ; 1.02; 3000;occ; 101; 0;41502
9; 6198.8; 06-FEB-2010 11:41:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41502
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3; -1951.4; 06-FEB-2010 12:46:36; Bright; 40.5; 130; 23Bet Dra ; 2.80; 5800;occ; 81; 0;41503
4; -1213.6; 06-FEB-2010 12:58:54; Bright; 58.0; 59; 55Alp Oph ; 2.08; 8900;occ; 116; 0;41503
5; -1083.1; 06-FEB-2010 13:01:04; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;41503
6; -677.6; 06-FEB-2010 13:07:50; Dark ; 45.0; 86; 35Eta Oph ; 2.43; 10200;occ; 90; 0;41503
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9; 4083.7; 07-FEB-2010 23:59:10; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;41524
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3; -1078.9; 07-FEB-2010 07:27:44; Bright; 57.0; 126; 60Bet Oph ; 2.77; 4250;occ; 114; 0;41514
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5; -533.0; 07-FEB-2010 07:36:50; Dark ; 45.0; 167; 10Gam2Sgr ; 2.98; 4500;occ; 90; 0;41514
6; -189.4; 07-FEB-2010 07:42:33; Dark ; 39.5; 147; Alp Ara ; 2.88; 26000;occ; 79; 0;41514

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8; 4957.3; 07-FEB-2010 09:08:20; Bright; 44.0; 126; 60Bet Oph ; 2.77; 4250;occ; 88; 0;41515
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 2; 1738.6; 12-FEB-2010 15:40:11; Dark ; 49.0; 48; 30Alp Hya ; 1.98; 4100;occ; 98; 0;41591  
 3; 2005.3; 12-FEB-2010 15:44:38; Dark ; 52.0; 8; 10Alp CMi ; 0.40; 6500;occ; 104; 0;41591



4; 2385.4; 12-FEB-2010 15:50:58; Bright; 38.5; 17; 78Bet Gem ; 1.16; 4500;occ; 77; 0;41591  
5; 3568.2; 12-FEB-2010 16:10:41; Bright; 45.0; 60; 7Bet UMi ; 2.08; 3950;occ; 90; 0;41591  
6; 3859.5; 12-FEB-2010 16:15:32; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;41591  
7; 4078.6; 12-FEB-2010 16:19:11; Bright; 43.5; 130; 23Bet Dra ; 2.80; 5800;occ; 87; 0;41591  
8; 4325.1; 12-FEB-2010 16:23:17; Bright; 41.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 82; 0;41591  
9; 4735.1; 12-FEB-2010 16:30:07; Bright; 34.5; 168; 17Zet Aql ; 2.99; 11000;occ; 69; 0;41591  
10; 4856.1; 12-FEB-2010 16:32:08; Bright; 46.5; 59; 55Alp Oph ; 2.08; 8900;occ; 93; 0;41591  
11; 4990.4; 12-FEB-2010 16:34:23; Bright; 48.0; 126; 60Bet Oph ; 2.77; 4250;occ; 96; 0;41591  
12; 5419.1; 12-FEB-2010 16:41:31; Dark ; 48.5; 86; 35Eta Oph ; 2.43; 10200;occ; 97; 0;41591  
13; 5569.3; 12-FEB-2010 16:44:02; Dark ; 43.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 86; 0;41591  
14; 5689.7; 12-FEB-2010 16:46:02; Dark ; 42.5; 25; 35Lam Sco ; 1.62; 28000;occ; 85; 0;41591  
15; 5876.3; 12-FEB-2010 16:49:09; Dark ; 38.5; 147; Alp Ara ; 2.88; 26000;occ; 77; 0;41591  
16; 5964.7; 12-FEB-2010 16:50:37; Dark ; 45.5; 141; Bet Ara ; 2.84; 4600;occ; 91; 0;41591  
17; 6071.0; 12-FEB-2010 16:52:23; Dark ; 46.0; 131; Gam Lup ; 2.80; 26000;occ; 92; 0;41591  
18; 6265.6; 12-FEB-2010 16:55:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41591  
19; 6593.8; 12-FEB-2010 17:01:06; Dark ; 45.5; 12; Alp1Cru ; 0.77; 30000;occ; 91; 0;41591  
20; 6681.7; 12-FEB-2010 17:02:34; Dark ; 49.5; 64; Gam Cen ; 2.20; 10600;occ; 99; 0;41591  
21; 6968.9; 12-FEB-2010 17:07:21; Dark ; 40.0; 91; Kap Vel ; 2.49; 26000;occ; 80; 0;41591  
22; 7167.7; 12-FEB-2010 17:10:40; Dark ; 48.5; 65; Lam Vel ; 2.20; 4400;occ; 97; 0;41591

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3; 2385.7; 12-FEB-2010 17:31:34; Bright; 39.0; 17; 78Bet Gem ; 1.16; 4500;occ; 78; 0;41592  
4; 3430.1; 12-FEB-2010 17:48:58; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;41592  
5; 3568.0; 12-FEB-2010 17:51:16; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;41592  
6; 3859.1; 12-FEB-2010 17:56:07; Bright; 45.0; 119; 14Eta Dra ; 2.73; 4700;occ; 90; 0;41592  
7; 4078.2; 12-FEB-2010 17:59:46; Bright; 58.0; 130; 23Bet Dra ; 2.80; 5800;occ; 116; 0;41592  
8; 4324.8; 12-FEB-2010 18:03:53; Bright; 38.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 76; 0;41592  
9; 5420.0; 12-FEB-2010 18:22:08; Dark ; 52.0; 86; 35Eta Oph ; 2.43; 10200;occ; 104; 0;41592  
10; 5569.1; 12-FEB-2010 18:24:37; Dark ; 43.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 87; 0;41592  
11; 5690.2; 12-FEB-2010 18:26:38; Dark ; 44.5; 25; 35Lam Sco ; 1.62; 28000;occ; 89; 0;41592  
12; 5769.0; 12-FEB-2010 18:27:57; Dark ; 44.0; 40; The Sco ; 1.86; 7100;occ; 88; 0;41592  
13; 5876.6; 12-FEB-2010 18:29:45; Dark ; 41.5; 147; Alp Ara ; 2.88; 26000;occ; 83; 0;41592  
14; 5965.0; 12-FEB-2010 18:31:13; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;41592  
15; 6072.0; 12-FEB-2010 18:33:00; Dark ; 46.0; 131; Gam Lup ; 2.80; 26000;occ; 92; 0;41592  
16; 6266.3; 12-FEB-2010 18:36:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41592  
17; 6405.0; 12-FEB-2010 18:38:33; Dark ; 43.0; 10; Bet Cen ; 0.61; 28000;occ; 86; 0;41592  
18; 6594.2; 12-FEB-2010 18:41:43; Dark ; 42.0; 12; Alp1Cru ; 0.77; 30000;occ; 84; 0;41592  
19; 6682.5; 12-FEB-2010 18:43:11; Dark ; 52.5; 64; Gam Cen ; 2.20; 10600;occ; 105; 0;41592  
20; 6968.9; 12-FEB-2010 18:47:57; Dark ; 42.0; 91; Kap Vel ; 2.49; 26000;occ; 84; 0;41592

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3; 2385.4; 12-FEB-2010 19:12:10; Bright; 39.0; 17; 78Bet Gem ; 1.16; 4500;occ; 78; 0;41593  
4; 3430.0; 12-FEB-2010 19:29:34; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;41593  
5; 3567.5; 12-FEB-2010 19:31:52; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;41593  
6; 3858.9; 12-FEB-2010 19:36:43; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;41593  
7; 4078.0; 12-FEB-2010 19:40:22; Bright; 43.0; 130; 23Bet Dra ; 2.80; 5800;occ; 86; 0;41593  
8; 4325.0; 12-FEB-2010 19:44:29; Bright; 38.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 76; 0;41593  
9; 4735.6; 12-FEB-2010 19:51:20; Bright; 34.0; 168; 17Zet Aql ; 2.99; 11000;occ; 68; 0;41593  
10; 5420.6; 12-FEB-2010 20:02:45; Dark ; 46.5; 86; 35Eta Oph ; 2.43; 10200;occ; 93; 0;41593  
11; 5569.7; 12-FEB-2010 20:05:14; Dark ; 44.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 88; 0;41593  
12; 5690.6; 12-FEB-2010 20:07:15; Dark ; 43.5; 25; 35Lam Sco ; 1.62; 28000;occ; 87; 0;41593  
13; 5769.4; 12-FEB-2010 20:08:34; Dark ; 45.0; 40; The Sco ; 1.86; 7100;occ; 90; 0;41593  
14; 5877.2; 12-FEB-2010 20:10:21; Dark ; 38.5; 147; Alp Ara ; 2.88; 26000;occ; 77; 0;41593  
15; 5965.4; 12-FEB-2010 20:11:50; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;41593  
16; 6072.9; 12-FEB-2010 20:13:37; Dark ; 45.5; 131; Gam Lup ; 2.80; 26000;occ; 91; 0;41593  
17; 6267.1; 12-FEB-2010 20:16:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41593  
18; 6405.5; 12-FEB-2010 20:19:10; Dark ; 42.5; 10; Bet Cen ; 0.61; 28000;occ; 85; 0;41593  
19; 6594.3; 12-FEB-2010 20:22:19; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;41593  
20; 6683.0; 12-FEB-2010 20:23:47; Dark ; 53.0; 64; Gam Cen ; 2.20; 10600;occ; 106; 0;41593  
21; 6969.1; 12-FEB-2010 20:28:33; Dark ; 42.0; 91; Kap Vel ; 2.49; 26000;occ; 84; 0;41593

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3; -69.5; 13-FEB-2010 01:13:38; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;41596  
4; 39.8; 13-FEB-2010 01:15:28; Dark ; 48.5; 131; Gam Lup ; 2.80; 26000;occ; 97; 0;41597  
5; 233.4; 13-FEB-2010 01:18:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41597

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7; 560.0; 13-FEB-2010 01:24:08; Dark ; 53.0; 12; Alp1Cru ; 0.77; 30000;occ; 106; 0;41597
8; 649.3; 13-FEB-2010 01:25:37; Dark ; 51.5; 64; Gam Cen ; 2.20; 10600;occ; 103; 0;41597
9; 934.2; 13-FEB-2010 01:30:22; Dark ; 37.0; 91; Kap Vel ; 2.49; 26000;occ; 74; 0;41597
10; 1132.8; 13-FEB-2010 01:33:41; Dark ; 53.0; 65; Lam Vel ; 2.20; 4400;occ; 106; 0;41597
11; 1739.1; 13-FEB-2010 01:43:47; Dark ; 52.5; 48; 30Alp Hya ; 1.98; 4100;occ; 105; 0;41597
12; 2385.7; 13-FEB-2010 01:54:33; Bright; 40.5; 17; 78Bet Gem ; 1.16; 4500;occ; 81; 0;41597
13; 3430.0; 13-FEB-2010 02:11:58; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;41597
14; 3566.6; 13-FEB-2010 02:14:14; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;41597
15; 3857.7; 13-FEB-2010 02:19:06; Bright; 36.0; 119; 14Eta Dra ; 2.73; 4700;occ; 72; 0;41597
16; 4077.7; 13-FEB-2010 02:22:46; Bright; 42.0; 130; 23Bet Dra ; 2.80; 5800;occ; 84; 0;41597
17; 4187.8; 13-FEB-2010 02:24:36; Bright; 33.0; 144; 18Del Cyg ; 2.86; 11000;occ; 66; 0;41597
18; 4325.2; 13-FEB-2010 02:26:53; Bright; 38.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 76; 0;41597
19; 4736.1; 13-FEB-2010 02:33:44; Bright; 34.5; 168; 17Zet Aql ; 2.99; 11000;occ; 69; 0;41597
20; 4858.3; 13-FEB-2010 02:35:46; Bright; 48.5; 59; 55Alp Oph ; 2.08; 8900;occ; 97; 0;41597
21; 4993.0; 13-FEB-2010 02:38:01; Bright; 47.0; 126; 60Bet Oph ; 2.77; 4250;occ; 94; 0;41597
22; 5423.6; 13-FEB-2010 02:45:11; Dark ; 48.0; 86; 35Eta Oph ; 2.43; 10200;occ; 96; 0;41597
23; 5570.8; 13-FEB-2010 02:47:39; Dark ; 42.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 84; 0;41597
24; 5692.7; 13-FEB-2010 02:49:41; Dark ; 44.0; 25; 35Lam Sco ; 1.62; 28000;occ; 88; 0;41597
25; 5771.7; 13-FEB-2010 02:50:59; Dark ; 44.0; 40; The Sco ; 1.86; 7100;occ; 88; 0;41597
26; 5966.9; 13-FEB-2010 02:54:15; Dark ; 38.5; 141; Bet Ara ; 2.84; 4600;occ; 77; 0;41597
27; 6076.8; 13-FEB-2010 02:56:05; Dark ; 46.5; 131; Gam Lup ; 2.80; 26000;occ; 93; 0;41597
28; 6270.1; 13-FEB-2010 02:59:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41597
29; 6408.0; 13-FEB-2010 03:01:36; Dark ; 42.0; 10; Bet Cen ; 0.61; 28000;occ; 84; 0;41597
30; 6596.4; 13-FEB-2010 03:04:44; Dark ; 54.5; 12; Alp1Cru ; 0.77; 30000;occ; 109; 0;41597
31; 6686.1; 13-FEB-2010 03:06:14; Dark ; 55.5; 64; Gam Cen ; 2.20; 10600;occ; 111; 0;41597
32; 6970.4; 13-FEB-2010 03:10:58; Dark ; 39.0; 91; Kap Vel ; 2.49; 26000;occ; 78; 0;41597
33; 7169.2; 13-FEB-2010 03:14:17; Dark ; 49.5; 65; Lam Vel ; 2.20; 4400;occ; 99; 0;41597
34; 7774.7; 13-FEB-2010 03:24:22; Dark ; 52.5; 48; 30Alp Hya ; 1.98; 4100;occ; 105; 0;41597
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2; -2178.5; 13-FEB-2010 03:59:41; Bright; 31.0; 119; 14Eta Dra ; 2.73; 4700;occ; 62; 0;41598
3; -1958.3; 13-FEB-2010 04:03:21; Bright; 43.0; 130; 23Bet Dra ; 2.80; 5800;occ; 86; 0;41598
4; -1847.8; 13-FEB-2010 04:05:12; Bright; 33.0; 144; 18Del Cyg ; 2.86; 11000;occ; 66; 0;41598
5; -1710.3; 13-FEB-2010 04:07:29; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;41598
6; -1299.4; 13-FEB-2010 04:14:20; Bright; 34.0; 168; 17Zet Aql ; 2.99; 11000;occ; 68; 0;41598
7; -1177.0; 13-FEB-2010 04:16:23; Bright; 46.5; 59; 55Alp Oph ; 2.08; 8900;occ; 93; 0;41598
8; -1042.4; 13-FEB-2010 04:18:37; Bright; 47.0; 126; 60Bet Oph ; 2.77; 4250;occ; 94; 0;41598
9; -611.4; 13-FEB-2010 04:25:48; Dark ; 53.5; 86; 35Eta Oph ; 2.43; 10200;occ; 107; 0;41598
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11; -157.0; 13-FEB-2010 04:33:23; Dark ; 37.5; 147; Alp Ara ; 2.88; 26000;occ; 75; 0;41598
12; -68.5; 13-FEB-2010 04:34:51; Dark ; 48.0; 141; Bet Ara ; 2.84; 4600;occ; 96; 0;41598
13; 41.8; 13-FEB-2010 04:36:41; Dark ; 46.5; 131; Gam Lup ; 2.80; 26000;occ; 93; 0;41599
14; 234.9; 13-FEB-2010 04:39:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41599
15; 561.1; 13-FEB-2010 04:45:21; Dark ; 40.0; 12; Alp1Cru ; 0.77; 30000;occ; 80; 0;41599
16; 650.9; 13-FEB-2010 04:46:51; Dark ; 52.0; 64; Gam Cen ; 2.20; 10600;occ; 104; 0;41599
17; 934.9; 13-FEB-2010 04:51:35; Dark ; 41.5; 91; Kap Vel ; 2.49; 26000;occ; 83; 0;41599
18; 1739.3; 13-FEB-2010 05:04:59; Dark ; 53.5; 48; 30Alp Hya ; 1.98; 4100;occ; 107; 0;41599
19; 2385.7; 13-FEB-2010 05:15:45; Bright; 39.0; 17; 78Bet Gem ; 1.16; 4500;occ; 78; 0;41599
20; 3430.2; 13-FEB-2010 05:33:10; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;41599
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2; -1958.6; 13-FEB-2010 05:43:57; Bright; 41.0; 130; 23Bet Dra ; 2.80; 5800;occ; 82; 0;41599
3; -1710.3; 13-FEB-2010 05:48:05; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;41599
4; -1299.4; 13-FEB-2010 05:54:56; Bright; 34.5; 168; 17Zet Aql ; 2.99; 11000;occ; 69; 0;41599
5; -1176.6; 13-FEB-2010 05:56:59; Bright; 47.5; 59; 55Alp Oph ; 2.08; 8900;occ; 95; 0;41599
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7; -610.7; 13-FEB-2010 06:06:25; Dark ; 50.0; 86; 35Eta Oph ; 2.43; 10200;occ; 100; 0;41599
8; -464.4; 13-FEB-2010 06:08:51; Dark ; 43.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 87; 0;41599
9; -341.9; 13-FEB-2010 06:10:54; Dark ; 44.0; 25; 35Lam Sco ; 1.62; 28000;occ; 88; 0;41599
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11; -156.3; 13-FEB-2010 06:13:59; Dark ; 42.0; 147; Alp Ara ; 2.88; 26000;occ; 84; 0;41599
12; -68.0; 13-FEB-2010 06:15:28; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;41599
13; 43.0; 13-FEB-2010 06:17:19; Dark ; 46.5; 131; Gam Lup ; 2.80; 26000;occ; 93; 0;41600
14; 235.7; 13-FEB-2010 06:20:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41600
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 3; 4076.5; 13-FEB-2010 20:49:20; Bright; 43.0; 130; 23Bet Dra ; 2.80; 5800;occ; 86; 0;41608
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 8; 566.2; 13-FEB-2010 21:31:25; Dark ; 40.0; 12; Alp1Cru ; 0.77; 30000;occ; 80; 0;41609
 9; 658.8; 13-FEB-2010 21:32:58; Dark ; 54.5; 64; Gam Cen ; 2.20; 10600;occ; 109; 0;41609
10; 1738.7; 13-FEB-2010 21:50:58; Dark ; 52.5; 48; 30Alp Hya ; 1.98; 4100;occ; 105; 0;41609
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23; 7177.6; 15-FEB-2010 10:34:11; Dark ; 43.0; 65; Lam Vel ; 2.20; 4400;occ; 86; 0;41630  
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2; 2388.1; 15-FEB-2010 10:54:57; Bright; 38.5; 17; 78Bet Gem ; 1.16; 4500;occ; 77; 0;41631  
3; 3556.2; 15-FEB-2010 11:14:25; Bright; 45.0; 60; 7Bet UMi ; 2.08; 3950;occ; 90; 0;41631  
4; 4074.1; 15-FEB-2010 11:23:03; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;41631  
5; 4192.4; 15-FEB-2010 11:25:01; Bright; 34.0; 144; 18Del Cyg ; 2.86; 11000;occ; 68; 0;41631  
6; 4328.6; 15-FEB-2010 11:27:18; Bright; 36.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 73; 0;41631  
7; 4743.6; 15-FEB-2010 11:34:13; Bright; 33.5; 168; 17Zet Aql ; 2.99; 11000;occ; 67; 0;41631  
8; 5010.2; 15-FEB-2010 11:38:39; Dark ; 51.5; 126; 60Bet Oph ; 2.77; 4250;occ; 103; 0;41631  
9; 5451.7; 15-FEB-2010 11:46:01; Dark ; 52.0; 86; 35Eta Oph ; 2.43; 10200;occ; 104; 0;41631  
10; 5583.0; 15-FEB-2010 11:48:12; Dark ; 45.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 90; 0;41631  
11; 5711.6; 15-FEB-2010 11:50:21; Dark ; 41.0; 25; 35Lam Sco ; 1.62; 28000;occ; 82; 0;41631  
12; 5788.1; 15-FEB-2010 11:51:37; Dark ; 44.0; 40; The Sco ; 1.86; 7100;occ; 88; 0;41631  
13; 5893.8; 15-FEB-2010 11:53:23; Dark ; 38.0; 147; Alp Ara ; 2.88; 26000;occ; 76; 0;41631  
14; 5980.5; 15-FEB-2010 11:54:50; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;41631  
15; 6111.4; 15-FEB-2010 11:57:00; Dark ; 42.0; 131; Gam Lup ; 2.80; 26000;occ; 84; 0;41631  
16; 6215.4; 15-FEB-2010 11:58:44; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;41631  
17; 6296.0; 15-FEB-2010 12:00:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41631  
18; 6429.1; 15-FEB-2010 12:02:18; Dark ; 47.0; 10; Bet Cen ; 0.61; 28000;occ; 94; 0;41631  
19; 6510.3; 15-FEB-2010 12:03:39; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;41631  
20; 6613.4; 15-FEB-2010 12:05:22; Dark ; 49.0; 12; Alp1Cru ; 0.77; 30000;occ; 98; 0;41631  
21; 6712.7; 15-FEB-2010 12:07:02; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;41631  
22; 6979.2; 15-FEB-2010 12:11:28; Dark ; 38.0; 91; Kap Vel ; 2.49; 26000;occ; 76; 0;41631  
23; 7178.1; 15-FEB-2010 12:14:47; Dark ; 45.5; 65; Lam Vel ; 2.20; 4400;occ; 91; 0;41631

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2; 2388.3; 15-FEB-2010 12:35:33; Bright; 40.0; 17; 78Bet Gem ; 1.16; 4500;occ; 80; 0;41632  
3; 3555.9; 15-FEB-2010 12:55:01; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;41632  
4; 4074.1; 15-FEB-2010 13:03:39; Bright; 43.0; 130; 23Bet Dra ; 2.80; 5800;occ; 86; 0;41632  
5; 4192.5; 15-FEB-2010 13:05:37; Bright; 35.0; 144; 18Del Cyg ; 2.86; 11000;occ; 70; 0;41632  
6; 4328.7; 15-FEB-2010 13:07:54; Bright; 39.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 79; 0;41632  
7; 4744.1; 15-FEB-2010 13:14:49; Bright; 34.0; 168; 17Zet Aql ; 2.99; 11000;occ; 68; 0;41632  
8; 5010.9; 15-FEB-2010 13:19:16; Dark ; 51.0; 126; 60Bet Oph ; 2.77; 4250;occ; 102; 0;41632  
9; 5452.6; 15-FEB-2010 13:26:37; Dark ; 48.0; 86; 35Eta Oph ; 2.43; 10200;occ; 96; 0;41632  
10; 5583.7; 15-FEB-2010 13:28:49; Dark ; 41.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 82; 0;41632  
11; 5712.4; 15-FEB-2010 13:30:57; Dark ; 45.0; 25; 35Lam Sco ; 1.62; 28000;occ; 90; 0;41632  
12; 5788.7; 15-FEB-2010 13:32:14; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;41632  
13; 5894.4; 15-FEB-2010 13:33:59; Dark ; 38.0; 147; Alp Ara ; 2.88; 26000;occ; 76; 0;41632  
14; 5981.0; 15-FEB-2010 13:35:26; Dark ; 39.5; 141; Bet Ara ; 2.84; 4600;occ; 79; 0;41632  
15; 6112.8; 15-FEB-2010 13:37:38; Dark ; 42.0; 131; Gam Lup ; 2.80; 26000;occ; 84; 0;41632  
16; 6216.1; 15-FEB-2010 13:39:21; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;41632  
17; 6296.8; 15-FEB-2010 13:40:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41632  
18; 6429.9; 15-FEB-2010 13:42:55; Dark ; 51.5; 10; Bet Cen ; 0.61; 28000;occ; 103; 0;41632  
19; 6511.0; 15-FEB-2010 13:44:16; Dark ; 44.5; 77; Eps Cen ; 2.30; 28000;occ; 89; 0;41632  
20; 6613.9; 15-FEB-2010 13:45:59; Dark ; 41.0; 12; Alp1Cru ; 0.77; 30000;occ; 82; 0;41632  
21; 6979.5; 15-FEB-2010 13:52:04; Dark ; 39.0; 91; Kap Vel ; 2.49; 26000;occ; 78; 0;41632  
22; 7178.4; 15-FEB-2010 13:55:23; Dark ; 45.0; 65; Lam Vel ; 2.20; 4400;occ; 90; 0;41632

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3; 3556.1; 15-FEB-2010 14:35:37; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;41633  
4; 4073.8; 15-FEB-2010 14:44:15; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;41633  
5; 4192.8; 15-FEB-2010 14:46:14; Bright; 33.5; 144; 18Del Cyg ; 2.86; 11000;occ; 67; 0;41633  
6; 4328.9; 15-FEB-2010 14:48:30; Bright; 35.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 70; 0;41633  
7; 4744.1; 15-FEB-2010 14:55:25; Bright; 33.5; 168; 17Zet Aql ; 2.99; 11000;occ; 67; 0;41633  
8; 5453.5; 15-FEB-2010 15:07:14; Dark ; 48.5; 86; 35Eta Oph ; 2.43; 10200;occ; 97; 0;41633  
9; 5583.9; 15-FEB-2010 15:09:25; Dark ; 43.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 86; 0;41633  
10; 5713.1; 15-FEB-2010 15:11:34; Dark ; 43.5; 25; 35Lam Sco ; 1.62; 28000;occ; 87; 0;41633  
11; 5789.2; 15-FEB-2010 15:12:50; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;41633  
12; 5894.8; 15-FEB-2010 15:14:36; Dark ; 40.5; 147; Alp Ara ; 2.88; 26000;occ; 81; 0;41633  
13; 5981.5; 15-FEB-2010 15:16:02; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;41633  
14; 6089.0; 15-FEB-2010 15:17:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41633  
15; 6216.5; 15-FEB-2010 15:19:57; Dark ; 39.0; 134; Bet TrA ; 2.81; 6600;occ; 78; 0;41633  
16; 6351.4; 15-FEB-2010 15:22:12; Dark ; 43.5; 4; Alp1Cen ; -0.01; 5800;occ; 87; 0;41633  
17; 6430.3; 15-FEB-2010 15:23:31; Dark ; 41.0; 10; Bet Cen ; 0.61; 28000;occ; 82; 0;41633  
18; 6511.9; 15-FEB-2010 15:24:53; Dark ; 44.0; 77; Eps Cen ; 2.30; 28000;occ; 88; 0;41633  
19; 6714.3; 15-FEB-2010 15:28:15; Dark ; 46.0; 64; Gam Cen ; 2.20; 10600;occ; 92; 0;41633  
20; 6959.5; 15-FEB-2010 15:32:20; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;41633  
21; 7178.3; 15-FEB-2010 15:35:59; Dark ; 45.0; 65; Lam Vel ; 2.20; 4400;occ; 90; 0;41633

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3; 3555.8; 15-FEB-2010 16:16:12; Bright; 42.5; 60; 7Bet UMi ; 2.08; 3950;occ; 85; 0;41634  
4; 4073.8; 15-FEB-2010 16:24:51; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;41634  
5; 4193.2; 15-FEB-2010 16:26:50; Bright; 36.5; 144; 18Del Cyg ; 2.86; 11000;occ; 73; 0;41634  
6; 4329.0; 15-FEB-2010 16:29:06; Bright; 35.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 70; 0;41634  
7; 4744.7; 15-FEB-2010 16:36:01; Bright; 52.0; 168; 17Zet Aql ; 2.99; 11000;occ; 104; 0;41634  
8; 5012.0; 15-FEB-2010 16:40:29; Dark ; 51.5; 126; 60Bet Oph ; 2.77; 4250;occ; 103; 0;41634  
9; 5454.3; 15-FEB-2010 16:47:51; Dark ; 48.0; 86; 35Eta Oph ; 2.43; 10200;occ; 96; 0;41634  
10; 5584.3; 15-FEB-2010 16:50:01; Dark ; 43.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 87; 0;41634  
11; 5713.5; 15-FEB-2010 16:52:10; Dark ; 46.0; 25; 35Lam Sco ; 1.62; 28000;occ; 92; 0;41634  
12; 5789.8; 15-FEB-2010 16:53:27; Dark ; 47.0; 40; The Sco ; 1.86; 7100;occ; 94; 0;41634  
13; 5895.6; 15-FEB-2010 16:55:12; Dark ; 37.5; 147; Alp Ara ; 2.88; 26000;occ; 75; 0;41634  
14; 5981.9; 15-FEB-2010 16:56:39; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;41634  
15; 6089.6; 15-FEB-2010 16:58:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41634  
16; 6217.1; 15-FEB-2010 17:00:34; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;41634  
17; 6352.3; 15-FEB-2010 17:02:49; Dark ; 49.5; 4; Alp1Cen ; -0.01; 5800;occ; 99; 0;41634  
18; 6431.3; 15-FEB-2010 17:04:08; Dark ; 46.0; 10; Bet Cen ; 0.61; 28000;occ; 92; 0;41634  
19; 6512.6; 15-FEB-2010 17:05:29; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;41634  
20; 6715.1; 15-FEB-2010 17:08:52; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;41634  
21; 6960.1; 15-FEB-2010 17:12:57; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;41634

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4; 3555.2; 15-FEB-2010 17:56:48; Bright; 42.5; 60; 7Bet UMi ; 2.08; 3950;occ; 85; 0;41635
5; 4073.7; 15-FEB-2010 18:05:26; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;41635
6; 4329.0; 15-FEB-2010 18:09:42; Bright; 35.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 71; 0;41635
7; 4744.9; 15-FEB-2010 18:16:38; Bright; 52.0; 168; 17Zet Aql ; 2.99; 11000;occ; 104; 0;41635
8; 5012.5; 15-FEB-2010 18:21:05; Dark ; 51.0; 126; 60Bet Oph ; 2.77; 4250;occ; 102; 0;41635
9; 5455.1; 15-FEB-2010 18:28:28; Dark ; 48.0; 86; 35Eta Oph ; 2.43; 10200;occ; 96; 0;41635
10; 5584.6; 15-FEB-2010 18:30:37; Dark ; 43.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 87; 0;41635
11; 5714.2; 15-FEB-2010 18:32:47; Dark ; 46.0; 25; 35Lam Sco ; 1.62; 28000;occ; 92; 0;41635
12; 5790.2; 15-FEB-2010 18:34:03; Dark ; 44.5; 40; The Sco ; 1.86; 7100;occ; 89; 0;41635
13; 5895.8; 15-FEB-2010 18:35:48; Dark ; 38.5; 147; Alp Ara ; 2.88; 26000;occ; 77; 0;41635
14; 5982.2; 15-FEB-2010 18:37:15; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;41635
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3; 3550.3; 16-FEB-2010 20:46:18; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;41651
4; 4071.6; 16-FEB-2010 20:54:59; Bright; 44.0; 130; 23Bet Dra ; 2.80; 5800;occ; 88; 0;41651
5; 4330.4; 16-FEB-2010 20:59:18; Bright; 37.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 74; 0;41651
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2; 62.0; 16-FEB-2010 21:28:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41652
3; 326.1; 16-FEB-2010 21:33:09; Dark ; 41.5; 4; Alp1Cen ;-0.01; 5800;occ; 83; 0;41652
4; 405.3; 16-FEB-2010 21:34:29; Dark ; 44.5; 10; Bet Cen ; 0.61; 28000;occ; 89; 0;41652
5; 489.9; 16-FEB-2010 21:35:53; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;41652
6; 587.3; 16-FEB-2010 21:37:31; Dark ; 48.0; 12; Alp1Cru ; 0.77; 30000;occ; 96; 0;41652
7; 691.9; 16-FEB-2010 21:39:15; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;41652
8; 931.5; 16-FEB-2010 21:43:15; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;41652
9; 1740.3; 16-FEB-2010 21:56:44; Dark ; 48.0; 48; 30Alp Hya ; 1.98; 4100;occ; 96; 0;41652
10; 3549.9; 16-FEB-2010 22:26:53; Bright; 42.5; 60; 7Bet UMi ; 2.08; 3950;occ; 85; 0;41652
11; 4071.8; 16-FEB-2010 22:35:35; Bright; 43.5; 130; 23Bet Dra ; 2.80; 5800;occ; 87; 0;41652
12; 4330.5; 16-FEB-2010 22:39:54; Bright; 41.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 82; 0;41652
13; 5021.8; 16-FEB-2010 22:51:25; Dark ; 53.0; 126; 60Bet Oph ; 2.77; 4250;occ; 106; 0;41652
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3; 326.9; 16-FEB-2010 23:13:46; Dark ; 43.0; 4; Alp1Cen ;-0.01; 5800;occ; 86; 0;41653
4; 406.0; 16-FEB-2010 23:15:05; Dark ; 43.0; 10; Bet Cen ; 0.61; 28000;occ; 86; 0;41653
5; 490.5; 16-FEB-2010 23:16:30; Dark ; 43.5; 77; Eps Cen ; 2.30; 28000;occ; 87; 0;41653
6; 587.8; 16-FEB-2010 23:18:07; Dark ; 39.5; 12; Alp1Cru ; 0.77; 30000;occ; 79; 0;41653
7; 692.8; 16-FEB-2010 23:19:52; Dark ; 52.5; 64; Gam Cen ; 2.20; 10600;occ; 105; 0;41653
8; 931.9; 16-FEB-2010 23:23:51; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;41653
9; 1740.2; 16-FEB-2010 23:37:19; Dark ; 50.5; 48; 30Alp Hya ; 1.98; 4100;occ; 101; 0;41653
10; 3549.6; 17-FEB-2010 00:07:29; Bright; 42.5; 60; 7Bet UMi ; 2.08; 3950;occ; 85; 0;41653
11; 4071.6; 17-FEB-2010 00:16:11; Bright; 43.0; 130; 23Bet Dra ; 2.80; 5800;occ; 86; 0;41653
12; 4330.6; 17-FEB-2010 00:20:30; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;41653
13; 5022.3; 17-FEB-2010 00:32:01; Dark ; 51.0; 126; 60Bet Oph ; 2.77; 4250;occ; 102; 0;41653
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3; -577.5; 16-FEB-2010 01:10:55; Dark ; 40.0; 86; 35Eta Oph ; 2.43; 10200;occ; 80; 0;41639
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2; 323.3; 16-FEB-2010 11:29:31; Dark ; 42.0; 4; Alp1Cen ;-0.01; 5800;occ; 84; 0;41646
3; 402.5; 16-FEB-2010 11:30:50; Dark ; 42.0; 10; Bet Cen ; 0.61; 28000;occ; 84; 0;41646
4; 485.8; 16-FEB-2010 11:32:14; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;41646
5; 585.2; 16-FEB-2010 11:33:53; Dark ; 51.5; 12; Alp1Cru ; 0.77; 30000;occ; 103; 0;41646
6; 688.2; 16-FEB-2010 11:35:36; Dark ; 51.5; 64; Gam Cen ; 2.20; 10600;occ; 103; 0;41646
7; 929.9; 16-FEB-2010 11:39:38; Dark ; 40.5; 113; Mu Vel ; 2.69; 5000;occ; 81; 0;41646
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4; 4329.9; 16-FEB-2010 12:36:18; Bright; 41.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 83; 0;41646
5; 5018.7; 16-FEB-2010 12:47:46; Dark ; 51.5; 126; 60Bet Oph ; 2.77; 4250;occ; 103; 0;41646

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5; 5026.0; 17-FEB-2010 10:35:41; Dark ; 50.0; 126; 60Bet Oph ; 2.77; 4250;occ; 100; 0;41659
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4; 4331.2; 17-FEB-2010 12:04:42; Bright; 39.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 79; 0;41660
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13; 6737.2; 17-FEB-2010 17:46:36; Dark ; 46.5; 64; Gam Cen ; 2.20; 10600;occ; 93; 0;41663
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3; 3541.1; 18-FEB-2010 21:23:31; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;41680
4; 4067.6; 18-FEB-2010 21:32:17; Bright; 60.5; 130; 23Bet Dra ; 2.80; 5800;occ; 121; 0;41680
5; 4332.4; 18-FEB-2010 21:36:42; Bright; 37.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 74; 0;41680
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3; 76.8; 18-FEB-2010 22:06:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41681

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5; 423.3; 18-FEB-2010 22:12:09; Dark ; 42.0; 10; Bet Cen ; 0.61; 28000;occ; 84; 0;41681
6; 512.0; 18-FEB-2010 22:13:37; Dark ; 45.0; 77; Eps Cen ; 2.30; 28000;occ; 90; 0;41681
7; 601.1; 18-FEB-2010 22:15:06; Dark ; 48.5; 12; Alp1Cru ; 0.77; 30000;occ; 97; 0;41681
8; 713.8; 18-FEB-2010 22:16:59; Dark ; 50.5; 64; Gam Cen ; 2.20; 10600;occ; 101; 0;41681
9; 944.1; 18-FEB-2010 22:20:49; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;41681
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11; 3540.8; 18-FEB-2010 23:04:06; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;41681
12; 4067.5; 18-FEB-2010 23:12:53; Bright; 43.5; 130; 23Bet Dra ; 2.80; 5800;occ; 87; 0;41681
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3; 77.3; 18-FEB-2010 23:46:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41682
4; 344.4; 18-FEB-2010 23:51:26; Dark ; 42.5; 4; Alp1Cen ; -0.01; 5800;occ; 85; 0;41682
5; 423.9; 18-FEB-2010 23:52:45; Dark ; 45.0; 10; Bet Cen ; 0.61; 28000;occ; 90; 0;41682
6; 512.8; 18-FEB-2010 23:54:14; Dark ; 43.0; 77; Eps Cen ; 2.30; 28000;occ; 86; 0;41682
7; 601.7; 18-FEB-2010 23:55:43; Dark ; 44.5; 12; Alp1Cru ; 0.77; 30000;occ; 89; 0;41682
8; 714.5; 18-FEB-2010 23:57:36; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;41682
9; 944.5; 19-FEB-2010 00:01:26; Dark ; 43.0; 113; Mu Vel ; 2.69; 5000;occ; 86; 0;41682
10; 1741.8; 19-FEB-2010 00:14:43; Dark ; 51.0; 48; 30Alp Hya ; 1.98; 4100;occ; 102; 0;41682
11; 3540.5; 19-FEB-2010 00:44:42; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;41682
12; 4067.3; 19-FEB-2010 00:53:29; Bright; 44.5; 130; 23Bet Dra ; 2.80; 5800;occ; 89; 0;41682
13; 4332.6; 19-FEB-2010 00:57:54; Bright; 37.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 74; 0;41682
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4; -217.5; 18-FEB-2010 06:56:05; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;41671
5; 71.7; 18-FEB-2010 07:00:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41672
6; 338.5; 18-FEB-2010 07:05:21; Dark ; 43.0; 4; Alp1Cen ; -0.01; 5800;occ; 86; 0;41672
7; 418.0; 18-FEB-2010 07:06:40; Dark ; 41.5; 10; Bet Cen ; 0.61; 28000;occ; 83; 0;41672
8; 505.3; 18-FEB-2010 07:08:07; Dark ; 42.0; 77; Eps Cen ; 2.30; 28000;occ; 84; 0;41672
9; 597.0; 18-FEB-2010 07:09:39; Dark ; 44.0; 12; Alp1Cru ; 0.77; 30000;occ; 88; 0;41672
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11; 940.3; 18-FEB-2010 07:15:22; Dark ; 44.0; 113; Mu Vel ; 2.69; 5000;occ; 88; 0;41672
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3; 4069.2; 18-FEB-2010 08:07:31; Bright; 41.5; 130; 23Bet Dra ; 2.80; 5800;occ; 83; 0;41672
4; 4332.4; 18-FEB-2010 08:11:54; Bright; 37.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 74; 0;41672
5; 5736.7; 18-FEB-2010 08:35:19; Dark ; 45.5; 25; 35Lam Sco ; 1.62; 28000;occ; 91; 0;41672
6; 5819.3; 18-FEB-2010 08:36:41; Dark ; 50.5; 75; 26Eps Sco ; 2.29; 4250;occ; 101; 0;41672
7; 6374.8; 18-FEB-2010 08:45:57; Dark ; 44.0; 4; Alp1Cen ; -0.01; 5800;occ; 88; 0;41672
8; 6454.5; 18-FEB-2010 08:47:17; Dark ; 44.0; 10; Bet Cen ; 0.61; 28000;occ; 88; 0;41672
9; 6541.9; 18-FEB-2010 08:48:44; Dark ; 44.5; 77; Eps Cen ; 2.30; 28000;occ; 89; 0;41672
10; 6633.5; 18-FEB-2010 08:50:16; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;41672
11; 6743.9; 18-FEB-2010 08:52:06; Dark ; 53.0; 64; Gam Cen ; 2.20; 10600;occ; 106; 0;41672
12; 6976.6; 18-FEB-2010 08:55:59; Dark ; 43.5; 113; Mu Vel ; 2.69; 5000;occ; 87; 0;41672
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2; 3543.3; 18-FEB-2010 09:39:21; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;41673
3; 4068.8; 18-FEB-2010 09:48:07; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;41673
4; 4332.3; 18-FEB-2010 09:52:30; Bright; 37.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 75; 0;41673
5; 5737.5; 18-FEB-2010 10:15:55; Dark ; 46.0; 25; 35Lam Sco ; 1.62; 28000;occ; 92; 0;41673
6; 5820.1; 18-FEB-2010 10:17:18; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;41673
7; 6108.6; 18-FEB-2010 10:22:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41673
8; 6375.7; 18-FEB-2010 10:26:34; Dark ; 43.0; 4; Alp1Cen ; -0.01; 5800;occ; 86; 0;41673
9; 6455.1; 18-FEB-2010 10:27:53; Dark ; 44.0; 10; Bet Cen ; 0.61; 28000;occ; 88; 0;41673
10; 6542.6; 18-FEB-2010 10:29:21; Dark ; 42.0; 77; Eps Cen ; 2.30; 28000;occ; 84; 0;41673
11; 6634.1; 18-FEB-2010 10:30:52; Dark ; 47.5; 12; Alp1Cru ; 0.77; 30000;occ; 95; 0;41673
12; 6744.7; 18-FEB-2010 10:32:43; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;41673
13; 6977.0; 18-FEB-2010 10:36:35; Dark ; 42.5; 113; Mu Vel ; 2.69; 5000;occ; 85; 0;41673
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2; 3543.5; 18-FEB-2010 11:19:57; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;41674
3; 4068.4; 18-FEB-2010 11:28:42; Bright; 43.0; 130; 23Bet Dra ; 2.80; 5800;occ; 86; 0;41674
4; 4332.2; 18-FEB-2010 11:33:06; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;41674

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5; 5737.9; 18-FEB-2010 11:56:32; Dark ; 45.5; 25; 35Lam Sco ; 1.62; 28000;occ; 91; 0;41674
6; 5820.9; 18-FEB-2010 11:57:55; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;41674
7; 6109.0; 18-FEB-2010 12:02:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41674
8; 6376.3; 18-FEB-2010 12:07:10; Dark ; 47.0; 4; Alp1Cen ;-0.01; 5800;occ; 94; 0;41674
9; 6455.5; 18-FEB-2010 12:08:29; Dark ; 44.5; 10; Bet Cen ; 0.61; 28000;occ; 89; 0;41674
10; 6543.3; 18-FEB-2010 12:09:57; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;41674
11; 6634.4; 18-FEB-2010 12:11:28; Dark ; 46.5; 12; Alp1Cru ; 0.77; 30000;occ; 93; 0;41674
12; 6745.4; 18-FEB-2010 12:13:19; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;41674
13; 6977.6; 18-FEB-2010 12:17:11; Dark ; 43.0; 113; Mu Vel ; 2.69; 5000;occ; 86; 0;41674
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3; 4068.4; 18-FEB-2010 13:09:18; Bright; 42.0; 130; 23Bet Dra ; 2.80; 5800;occ; 84; 0;41675
4; 4332.3; 18-FEB-2010 13:13:42; Bright; 36.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 73; 0;41675
5; 5738.6; 18-FEB-2010 13:37:08; Dark ; 51.0; 25; 35Lam Sco ; 1.62; 28000;occ; 102; 0;41675
6; 5821.9; 18-FEB-2010 13:38:32; Dark ; 55.0; 75; 26Eps Sco ; 2.29; 4250;occ; 110; 0;41675
7; 6109.6; 18-FEB-2010 13:43:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41675
8; 6376.8; 18-FEB-2010 13:47:47; Dark ; 42.5; 4; Alp1Cen ;-0.01; 5800;occ; 85; 0;41675
9; 6456.2; 18-FEB-2010 13:49:06; Dark ; 51.5; 10; Bet Cen ; 0.61; 28000;occ; 103; 0;41675
10; 6544.4; 18-FEB-2010 13:50:34; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;41675
11; 6634.9; 18-FEB-2010 13:52:05; Dark ; 42.5; 12; Alp1Cru ; 0.77; 30000;occ; 85; 0;41675
12; 6746.3; 18-FEB-2010 13:53:56; Dark ; 47.5; 64; Gam Cen ; 2.20; 10600;occ; 95; 0;41675
13; 6978.1; 18-FEB-2010 13:57:48; Dark ; 42.0; 113; Mu Vel ; 2.69; 5000;occ; 84; 0;41675
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3; 4068.4; 18-FEB-2010 14:49:54; Bright; 41.5; 130; 23Bet Dra ; 2.80; 5800;occ; 83; 0;41676
4; 4332.6; 18-FEB-2010 14:54:18; Bright; 38.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 77; 0;41676
5; 5739.4; 18-FEB-2010 15:17:45; Dark ; 44.5; 25; 35Lam Sco ; 1.62; 28000;occ; 89; 0;41676
6; 5822.8; 18-FEB-2010 15:19:08; Dark ; 55.0; 75; 26Eps Sco ; 2.29; 4250;occ; 110; 0;41676
7; 6110.1; 18-FEB-2010 15:23:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41676
8; 6377.4; 18-FEB-2010 15:28:23; Dark ; 43.0; 4; Alp1Cen ;-0.01; 5800;occ; 86; 0;41676
9; 6457.0; 18-FEB-2010 15:29:43; Dark ; 43.0; 10; Bet Cen ; 0.61; 28000;occ; 86; 0;41676
10; 6544.8; 18-FEB-2010 15:31:10; Dark ; 43.5; 77; Eps Cen ; 2.30; 28000;occ; 87; 0;41676
11; 6635.2; 18-FEB-2010 15:32:41; Dark ; 47.5; 12; Alp1Cru ; 0.77; 30000;occ; 95; 0;41676
12; 6746.8; 18-FEB-2010 15:34:32; Dark ; 46.5; 64; Gam Cen ; 2.20; 10600;occ; 93; 0;41676
13; 6978.7; 18-FEB-2010 15:38:24; Dark ; 43.0; 113; Mu Vel ; 2.69; 5000;occ; 86; 0;41676
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3; 4068.3; 18-FEB-2010 16:30:30; Bright; 43.0; 130; 23Bet Dra ; 2.80; 5800;occ; 86; 0;41677
4; 4332.7; 18-FEB-2010 16:34:54; Bright; 38.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 76; 0;41677
5; 5740.2; 18-FEB-2010 16:58:22; Dark ; 44.0; 25; 35Lam Sco ; 1.62; 28000;occ; 88; 0;41677
6; 5823.6; 18-FEB-2010 16:59:45; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;41677
7; 6111.3; 18-FEB-2010 17:04:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41677
8; 6377.8; 18-FEB-2010 17:08:59; Dark ; 46.0; 4; Alp1Cen ;-0.01; 5800;occ; 92; 0;41677
9; 6457.7; 18-FEB-2010 17:10:19; Dark ; 43.0; 10; Bet Cen ; 0.61; 28000;occ; 86; 0;41677
10; 6545.8; 18-FEB-2010 17:11:47; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;41677
11; 6635.8; 18-FEB-2010 17:13:17; Dark ; 45.0; 12; Alp1Cru ; 0.77; 30000;occ; 90; 0;41677
12; 6747.6; 18-FEB-2010 17:15:09; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;41677
13; 6978.7; 18-FEB-2010 17:19:00; Dark ; 40.5; 113; Mu Vel ; 2.69; 5000;occ; 81; 0;41677
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3; 4067.8; 18-FEB-2010 18:11:05; Bright; 44.0; 130; 23Bet Dra ; 2.80; 5800;occ; 88; 0;41678
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6; 5824.6; 18-FEB-2010 18:40:22; Dark ; 58.5; 75; 26Eps Sco ; 2.29; 4250;occ; 117; 0;41678
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5; 600.7; 18-FEB-2010 20:34:30; Dark ; 52.0; 12; Alp1Cru ; 0.77; 30000;occ; 104; 0;41680
6; 713.3; 18-FEB-2010 20:36:23; Dark ; 52.5; 64; Gam Cen ; 2.20; 10600;occ; 105; 0;41680
7; 943.7; 18-FEB-2010 20:40:13; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;41680
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7; 602.1; 19-FEB-2010 01:36:19; Dark ; 49.0; 12; Alp1Cru ; 0.77; 30000;occ; 98; 0;41683
8; 715.2; 19-FEB-2010 01:38:12; Dark ; 49.5; 64; Gam Cen ; 2.20; 10600;occ; 99; 0;41683
9; 944.8; 19-FEB-2010 01:42:02; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;41683
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13; 4333.0; 19-FEB-2010 02:38:30; Bright; 37.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 75; 0;41683
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9; 514.9; 19-FEB-2010 04:56:04; Dark ; 43.0; 77; Eps Cen ; 2.30; 28000;occ; 86; 0;41685
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4; 3536.8; 19-FEB-2010 20:51:49; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;41694
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4; -196.7; 19-FEB-2010 21:30:12; Dark ; 55.5; 75; 26Eps Sco ; 2.29; 4250;occ; 111; 0;41694
5; -27.7; 19-FEB-2010 21:33:01; Dark ; 50.0; 141; Bet Ara ; 2.84; 4600;occ; 100; 0;41694
6; 84.1; 19-FEB-2010 21:34:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41695
7; 352.1; 19-FEB-2010 21:39:21; Dark ; 43.0; 4; Alp1Cen ;-0.01; 5800;occ; 86; 0;41695
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13; 3431.4; 19-FEB-2010 22:30:40; Bright; 52.0; 49; 1Alp UMi ; 1.99; 6300;occ; 104; 0;41695
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5; 79.4; 19-FEB-2010 06:29:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41686
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11; 946.2; 19-FEB-2010 06:43:51; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;41686
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5; 4756.9; 19-FEB-2010 07:47:22; Bright; 35.5; 168; 17Zet Aql ; 2.99; 11000;occ; 71; 0;41686
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4; 4333.0; 19-FEB-2010 09:20:54; Bright; 39.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 79; 0;41687
5; 4757.5; 19-FEB-2010 09:27:59; Bright; 36.0; 168; 17Zet Aql ; 2.99; 11000;occ; 72; 0;41687
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7; 5832.7; 19-FEB-2010 09:45:54; Dark ; 61.0; 75; 26Eps Sco ; 2.29; 4250;occ; 122; 0;41687
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13; 6754.8; 19-FEB-2010 10:01:16; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;41687
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3; 4066.4; 19-FEB-2010 10:57:03; Bright; 44.5; 130; 23Bet Dra ; 2.80; 5800;occ; 89; 0;41688
4; 4333.4; 19-FEB-2010 11:01:30; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;41688
5; 4757.1; 19-FEB-2010 11:08:34; Bright; 53.0; 168; 17Zet Aql ; 2.99; 11000;occ; 106; 0;41688
6; 5746.8; 19-FEB-2010 11:25:04; Dark ; 41.0; 25; 35Lam Sco ; 1.62; 28000;occ; 82; 0;41688
7; 5833.5; 19-FEB-2010 11:26:30; Dark ; 56.0; 75; 26Eps Sco ; 2.29; 4250;occ; 112; 0;41688
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9; 6384.6; 19-FEB-2010 11:35:42; Dark ; 43.0; 4; Alp1Cen ;-0.01; 5800;occ; 86; 0;41688
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11; 6554.2; 19-FEB-2010 11:38:31; Dark ; 43.5; 77; Eps Cen ; 2.30; 28000;occ; 87; 0;41688
12; 6640.9; 19-FEB-2010 11:39:58; Dark ; 38.0; 12; Alp1Cru ; 0.77; 30000;occ; 76; 0;41688
13; 6755.6; 19-FEB-2010 11:41:53; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;41688
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5; 4757.7; 19-FEB-2010 12:49:10; Bright; 34.0; 168; 17Zet Aql ; 2.99; 11000;occ; 68; 0;41689
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7; 5834.7; 19-FEB-2010 13:07:07; Dark ; 55.5; 75; 26Eps Sco ; 2.29; 4250;occ; 111; 0;41689
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 5; 4757.9; 19-FEB-2010 14:29:47; Bright; 35.5; 168; 17Zet Aql ; 2.99; 11000;occ; 71; 0;41690  
 6; 5748.4; 19-FEB-2010 14:46:17; Dark ; 44.0; 25; 35Lam Sco ; 1.62; 28000;occ; 88; 0;41690  
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 8; 6117.9; 19-FEB-2010 14:52:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41690  
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 5; 4758.3; 19-FEB-2010 16:10:23; Bright; 52.5; 168; 17Zet Aql ; 2.99; 11000;occ; 105; 0;41691  
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 9; 6244.5; 19-FEB-2010 16:35:09; Dark ; 39.5; 134; Bet TrA ; 2.81; 6600;occ; 79; 0;41691  
 10; 6386.4; 19-FEB-2010 16:37:31; Dark ; 45.0; 4; Alp1Cen ;-0.01; 5800;occ; 90; 0;41691  
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 5; 4065.6; 19-FEB-2010 19:20:02; Bright; 42.0; 130; 23Bet Dra ; 2.80; 5800;occ; 84; 0;41693  
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 7; 4758.7; 19-FEB-2010 19:31:35; Bright; 54.0; 168; 17Zet Aql ; 2.99; 11000;occ; 108; 0;41693  
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 9; 5436.4; 19-FEB-2010 19:42:53; Dark ; 40.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 80; 0;41693  
 10; 5750.4; 19-FEB-2010 19:48:07; Dark ; 42.5; 25; 35Lam Sco ; 1.62; 28000;occ; 85; 0;41693  
 11; 5838.3; 19-FEB-2010 19:49:35; Dark ; 57.5; 75; 26Eps Sco ; 2.29; 4250;occ; 115; 0;41693  
 12; 6007.5; 19-FEB-2010 19:52:24; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;41693  
 13; 6119.5; 19-FEB-2010 19:54:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41693  
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 16; 6643.2; 19-FEB-2010 20:03:00; Dark ; 54.0; 12; Alp1Cru ; 0.77; 30000;occ; 108; 0;41693  
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3; 3534.1; 20-FEB-2010 10:16:34; Bright; 43.0; 60; 7Bet UMi ; 2.08; 3950;occ; 86; 0;41702
4; 4092.5; 20-FEB-2010 10:25:52; Bright; 38.0; 69; 33Gam Dra ; 2.23; 3800;occ; 76; 0;41702
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6; 4336.9; 22-FEB-2010 21:10:54; Bright; 39.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 79; 0;41737
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12; 4336.8; 22-FEB-2010 22:51:30; Bright; 37.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 75; 0;41738
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3; 107.5; 22-FEB-2010 23:21:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41739
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5; 754.9; 22-FEB-2010 23:32:24; Dark ; 50.0; 64; Gam Cen ; 2.20; 10600;occ; 100; 0;41739
6; 967.3; 22-FEB-2010 23:35:57; Dark ; 44.0; 113; Mu Vel ; 2.69; 5000;occ; 88; 0;41739
7; 1745.3; 22-FEB-2010 23:48:55; Dark ; 47.0; 48; 30Alp Hya ; 1.98; 4100;occ; 94; 0;41739
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7; 4769.1; 22-FEB-2010 12:55:07; Bright; 35.5; 168; 17Zet Aql ; 2.99; 11000;occ; 71; 0;41732
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8; 3791.9; 26-FEB-2010 08:51:46; Bright; 47.0; 119; 14Eta Dra ; 2.73; 4700;occ; 94; 0;41787  
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12; 4784.7; 26-FEB-2010 09:08:19; Bright; 37.0; 168; 17Zet Aql ; 2.99; 11000;occ; 74; 0;41787  
13; 5113.7; 26-FEB-2010 09:13:48; Dark ; 61.5; 126; 60Bet Oph ; 2.77; 4250;occ; 123; 0;41787  
14; 5513.4; 26-FEB-2010 09:20:28; Dark ; 45.5; 137; 22Lam Sgr ; 2.82; 4400;occ; 91; 0;41787  
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16; 5818.0; 26-FEB-2010 09:25:32; Dark ; 46.0; 25; 35Lam Sco ; 1.62; 28000;occ; 92; 0;41787  
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14; 5514.5; 26-FEB-2010 12:41:41; Dark ; 46.0; 137; 22Lam Sgr ; 2.82; 4400;occ; 92; 0;41789  
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4; 2844.4; 26-FEB-2010 13:37:46; Bright; 48.5; 174; 52Psi UMa ; 3.00; 4400;occ; 97; 0;41790

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7; 3505.3; 26-FEB-2010 13:48:47; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;41790
8; 3790.8; 26-FEB-2010 13:53:33; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;41790
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4; 2843.7; 26-FEB-2010 15:18:21; Bright; 68.0; 174; 52Psi UMa ; 3.00; 4400;occ; 136; 0;41791
5; 3001.1; 26-FEB-2010 15:20:59; Bright; 41.5; 82; 48Bet UMA ; 2.37; 10600;occ; 83; 0;41791
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13; 5845.6; 28-FEB-2010 18:26:22; Dark ; 43.5; 25; 35Lam Sco ; 1.62; 28000;occ; 87; 0;41821
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