

# GOMOS Daily Report 11-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	14FEB2010 04:46:13
Data source version	GOMOS/5.00L04
Start time of products	11FEB2010 00:01:16
Stop time of products	11FEB2010 23:59:58
Store outputs in DB	Yes
Nb of level 1b prods	113
Nb of prods with errors	1

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

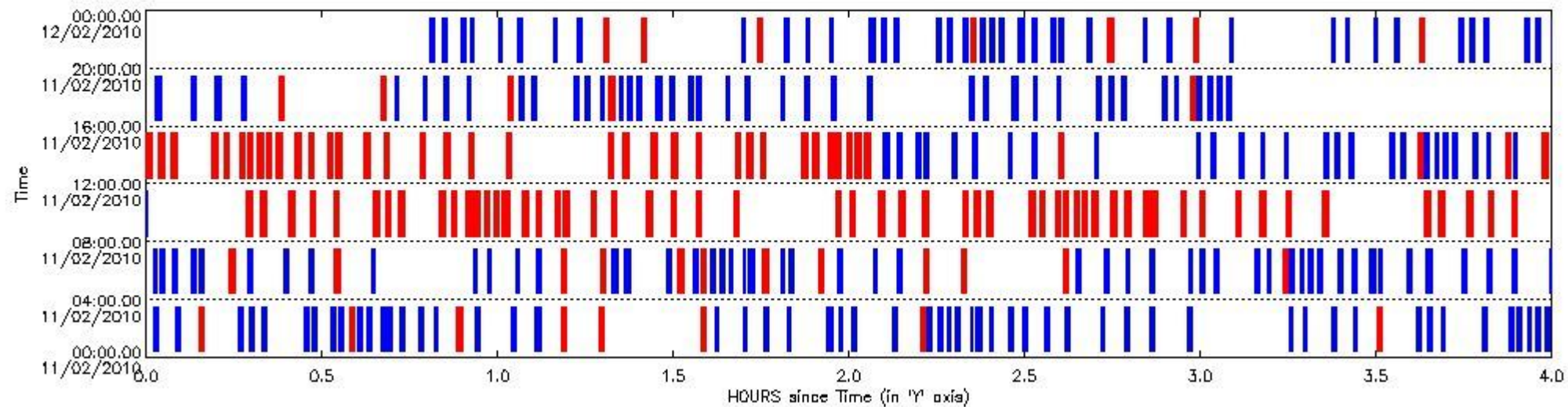
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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
11-FEB-2010 00:09:00	3AlpLyr	5	41567
11-FEB-2010 00:34:44	AlpAra	147	41567
11-FEB-2010 00:53:00	KapVel	91	41568
11-FEB-2010 01:10:56	10AlpCMi	8	41568
11-FEB-2010 01:17:18	78BetGem	17	41568
11-FEB-2010 01:34:43	1AlpUMi	49	41568
11-FEB-2010 02:12:11	35LamSco	25	41568
11-FEB-2010 03:30:12	3AlpLyr	5	41569
11-FEB-2010 04:14:12	KapVel	91	41570
11-FEB-2010 04:32:08	10AlpCMi	8	41570
11-FEB-2010 05:10:48	3AlpLyr	5	41570
11-FEB-2010 05:17:36	17ZetAql	168	41570
11-FEB-2010 05:30:49	10Gam2Sgr	167	41570
11-FEB-2010 05:34:45	TheSco	40	41570
11-FEB-2010 05:45:17	BetCen	10	41571

11-FEB-2010 05:54:48	KapVel	91	41571
11-FEB-2010 06:12:44	10AlpCMi	8	41571
11-FEB-2010 06:19:06	78BetGem	17	41571
11-FEB-2010 06:36:31	1AlpUMi	49	41571
11-FEB-2010 07:14:01	35LamSco	25	41571
11-FEB-2010 08:17:07	1AlpUMi	49	41572
11-FEB-2010 08:19:31	7BetUMi	60	41572
11-FEB-2010 08:24:22	14EtaDra	119	41572
11-FEB-2010 08:27:57	23BetDra	130	41572
11-FEB-2010 08:32:00	3AlpLyr	5	41572
11-FEB-2010 08:38:48	17ZetAql	168	41572
11-FEB-2010 08:40:45	55AlpOph	59	41572
11-FEB-2010 08:42:59	60BetOph	126	41572
11-FEB-2010 08:50:02	35EtaOph	86	41572
11-FEB-2010 08:52:01	10Gam2Sgr	167	41572
11-FEB-2010 08:54:37	35LamSco	25	41572
11-FEB-2010 08:55:57	TheSco	40	41572
11-FEB-2010 08:57:46	AlpAra	147	41572
11-FEB-2010 08:59:15	BetAra	141	41572
11-FEB-2010 09:00:49	GamLup	131	41573
11-FEB-2010 09:04:08	DSA1027	0	41573
11-FEB-2010 09:06:30	BetCen	10	41573
11-FEB-2010 09:09:41	Alp1Cru	12	41573
11-FEB-2010 09:11:03	GamCen	64	41573
11-FEB-2010 09:16:01	KapVel	91	41573
11-FEB-2010 09:19:20	LamVel	65	41573
11-FEB-2010 09:25:27	15RhoPup	132	41573
11-FEB-2010 09:29:32	30AlpHya	48	41573
11-FEB-2010 09:33:56	10AlpCMi	8	41573
11-FEB-2010 09:40:18	78BetGem	17	41573
11-FEB-2010 09:57:43	1AlpUMi	49	41573
11-FEB-2010 10:00:07	7BetUMi	60	41573
11-FEB-2010 10:04:57	14EtaDra	119	41573
11-FEB-2010 10:08:33	23BetDra	130	41573
11-FEB-2010 10:12:36	3AlpLyr	5	41573
11-FEB-2010 10:19:25	17ZetAql	168	41573
11-FEB-2010 10:21:22	55AlpOph	59	41573
11-FEB-2010 10:23:35	60BetOph	126	41573
11-FEB-2010 10:30:39	35EtaOph	86	41573
11-FEB-2010 10:32:38	10Gam2Sgr	167	41573
11-FEB-2010 10:35:13	35LamSco	25	41573
11-FEB-2010 10:36:34	TheSco	40	41573
11-FEB-2010 10:38:22	AlpAra	147	41573
11-FEB-2010 10:39:51	BetAra	141	41573
11-FEB-2010 10:41:26	GamLup	131	41574
11-FEB-2010 10:44:45	DSA1027	0	41574
11-FEB-2010 10:47:07	BetCen	10	41574
11-FEB-2010 10:50:18	Alp1Cru	12	41574
11-FEB-2010 10:51:40	GamCen	64	41574
11-FEB-2010 10:56:37	KapVel	91	41574
11-FEB-2010 10:59:56	LamVel	65	41574
11-FEB-2010 11:06:03	15RhoPup	132	41574
11-FEB-2010 11:10:08	30AlpHya	48	41574
11-FEB-2010 11:14:32	10AlpCMi	8	41574
11-FEB-2010 11:20:54	78BetGem	17	41574
11-FEB-2010 11:38:19	1AlpUMi	49	41574
11-FEB-2010 11:40:42	7BetUMi	60	41574
11-FEB-2010 11:45:33	14EtaDra	119	41574
11-FEB-2010 11:49:09	23BetDra	130	41574

11-FEB-2010 11:53:12	3AlpLyr	5	41574
11-FEB-2010 12:00:01	17ZetAql	168	41574
11-FEB-2010 12:01:58	55AlpOph	59	41574
11-FEB-2010 12:04:11	60BetOph	126	41574
11-FEB-2010 12:11:15	35EtaOph	86	41574
11-FEB-2010 12:13:14	10Gam2Sgr	167	41574
11-FEB-2010 12:15:50	35LamSco	25	41574
11-FEB-2010 12:17:10	TheSco	40	41574
11-FEB-2010 12:18:58	AlpAra	147	41574
11-FEB-2010 12:20:28	BetAra	141	41574
11-FEB-2010 12:22:03	GamLup	131	41575
11-FEB-2010 12:25:22	DSA1027	0	41575
11-FEB-2010 12:27:43	BetCen	10	41575
11-FEB-2010 12:30:54	Alp1Cru	12	41575
11-FEB-2010 12:32:17	GamCen	64	41575
11-FEB-2010 12:37:13	KapVel	91	41575
11-FEB-2010 12:40:32	LamVel	65	41575
11-FEB-2010 12:46:39	15RhoPup	132	41575
11-FEB-2010 12:50:44	30AlpHya	48	41575
11-FEB-2010 12:55:08	10AlpCMi	8	41575
11-FEB-2010 13:01:30	78BetGem	17	41575
11-FEB-2010 13:18:55	1AlpUMi	49	41575
11-FEB-2010 13:21:18	7BetUMi	60	41575
11-FEB-2010 13:26:09	14EtaDra	119	41575
11-FEB-2010 13:29:45	23BetDra	130	41575
11-FEB-2010 13:33:48	3AlpLyr	5	41575
11-FEB-2010 13:40:37	17ZetAql	168	41575
11-FEB-2010 13:42:34	55AlpOph	59	41575
11-FEB-2010 13:44:48	60BetOph	126	41575
11-FEB-2010 13:51:52	35EtaOph	86	41575
11-FEB-2010 13:53:50	10Gam2Sgr	167	41575
11-FEB-2010 13:56:26	35LamSco	25	41575
11-FEB-2010 13:57:47	TheSco	40	41575
11-FEB-2010 13:59:35	AlpAra	147	41575
11-FEB-2010 14:01:04	BetAra	141	41575
11-FEB-2010 14:02:40	GamLup	131	41576
11-FEB-2010 14:35:44	10AlpCMi	8	41576
11-FEB-2010 15:37:03	35LamSco	25	41576
11-FEB-2010 15:52:07	Alp1Cru	12	41577
11-FEB-2010 15:58:26	KapVel	91	41577
11-FEB-2010 16:22:42	78BetGem	17	41577
11-FEB-2010 16:40:07	1AlpUMi	49	41577
11-FEB-2010 17:01:49	17ZetAql	168	41577
11-FEB-2010 17:18:59	TheSco	40	41577
11-FEB-2010 18:58:16	35LamSco	25	41578
11-FEB-2010 21:18:09	10AlpCMi	8	41580
11-FEB-2010 21:24:30	78BetGem	17	41580
11-FEB-2010 21:44:16	7BetUMi	60	41580
11-FEB-2010 22:20:48	TheSco	40	41580
11-FEB-2010 22:44:09	LamVel	65	41581
11-FEB-2010 22:58:45	10AlpCMi	8	41581
11-FEB-2010 23:37:24	3AlpLyr	5	41581

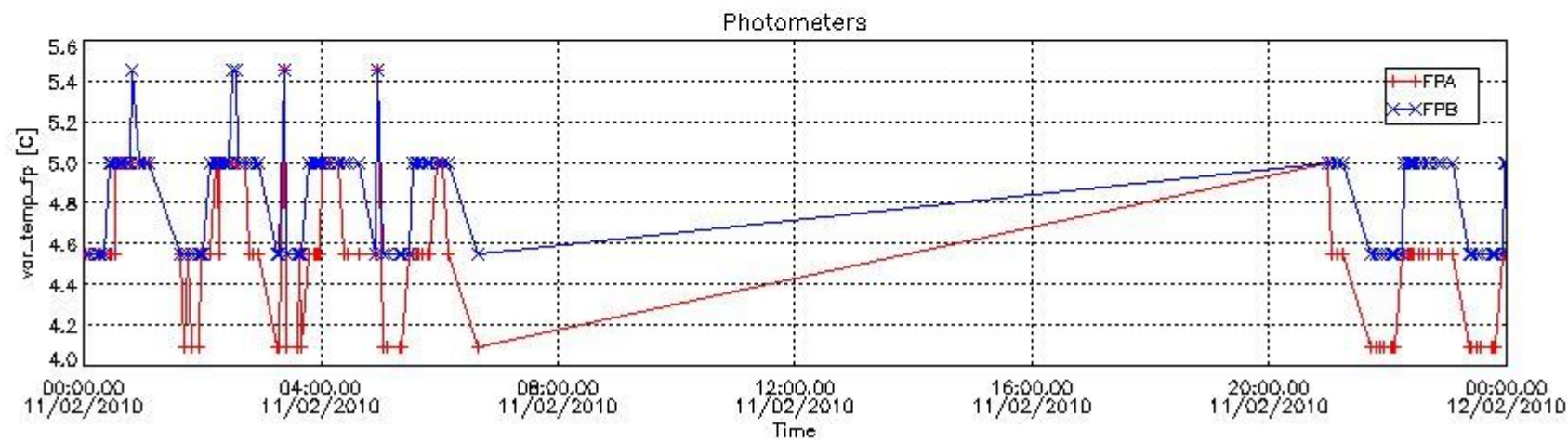
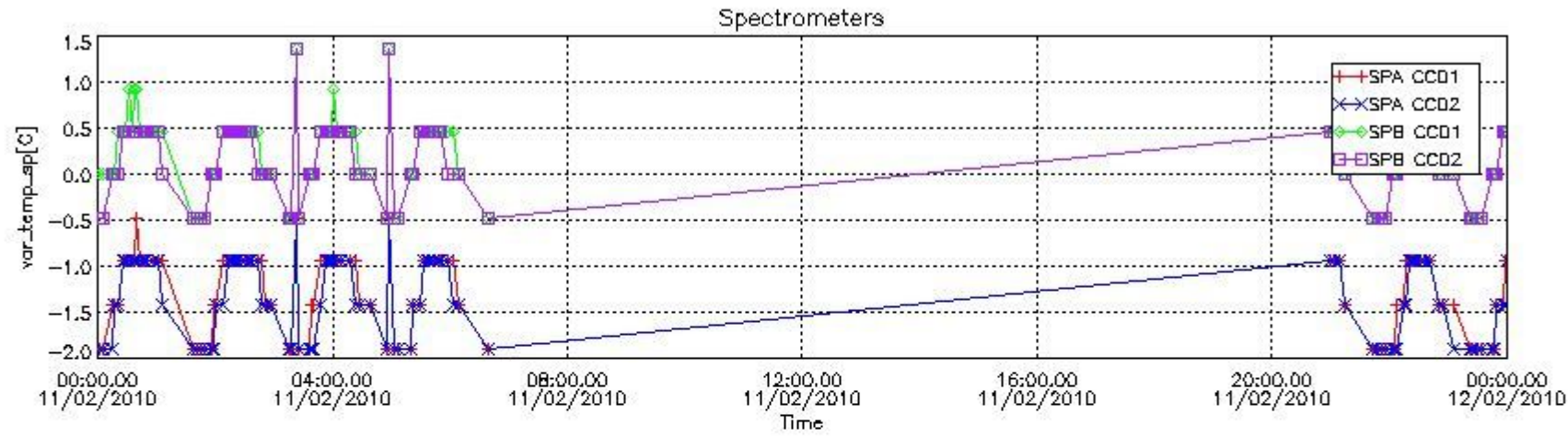
#### 2.4 Summary of processed GOM\_TRA\_1P products

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100211_000116_000000432086_00431_41567_0097.N1	11-FEB-2010 00:01:16	Bright	43.000	119	14Eta Dra	2.7270	4700.0	86	41567	No
2	GOM_TRA_1PNPDE20100211_000451_000000572086_00431_41567_0098.N1	11-FEB-2010 00:04:51	Bright	57.000	130	23Bet Dra	2.7990	5800.0	114	41567	No

3	GOM_TRA_1PNPDE20100211_001541_000000442086_00431_41567_0099.N1	11-FEB-2010 00:15:41	Bright	44.000	168	17Zet Aql	2.9860	11000.	88	41567	No
4	GOM_TRA_1PNPDE20100211_001736_000000442086_00431_41567_0100.N1	11-FEB-2010 00:17:36	Bright	44.000	59	55Alp Oph	2.0800	8900.0	88	41567	No
5	GOM_TRA_1PNPDE20100211_001950_000000422086_00431_41567_0101.N1	11-FEB-2010 00:19:50	Bright	42.000	126	60Bet Oph	2.7700	4250.0	84	41567	No
6	GOM_TRA_1PNPDE20100211_002651_000000512086_00431_41567_0101.N1	11-FEB-2010 00:26:51	Dark	50.500	86	35Eta Oph	2.4300	10200.	101	41567	No
7	GOM_TRA_1PNPDE20100211_002822_000000452086_00431_41567_0102.N1	11-FEB-2010 00:28:22	Dark	44.500	116	19Del Sgr	2.7000	4100.0	89	41567	No
8	GOM_TRA_1PNPDE20100211_003127_000000442086_00431_41567_0103.N1	11-FEB-2010 00:31:27	Dark	44.000	25	35Lam Sco	1.6200	28000.	88	41567	No
9	GOM_TRA_1PNPDE20100211_003248_000000482086_00431_41567_0104.N1	11-FEB-2010 00:32:48	Dark	48.000	40	The Sco	1.8590	7100.0	96	41567	No
10	GOM_TRA_1PNPDE20100211_003606_000000422086_00431_41567_0105.N1	11-FEB-2010 00:36:06	Dark	41.500	141	Bet Ara	2.8400	4600.0	83	41567	No
11	GOM_TRA_1PNPDE20100211_003737_000000452086_00432_41568_0106.N1	11-FEB-2010 00:37:37	Dark	44.500	131	Gam Lup	2.8000	26000.	89	41568	No
12	GOM_TRA_1PNPDE20100211_004004_000000292086_00432_41568_0107.N1	11-FEB-2010 00:40:04	Dark	29.000	109	Bet Lup	2.6770	26000.	58	41568	No
13	GOM_TRA_1PNPDE20100211_004320_000000502086_00432_41568_0108.N1	11-FEB-2010 00:43:20	Dark	49.500	10	Bet Cen	0.61000	28000.	99	41568	No
14	GOM_TRA_1PNPDE20100211_004632_000000492086_00432_41568_0109.N1	11-FEB-2010 00:46:32	Dark	49.000	12	Alp1Cru	0.77500	30000.	98	41568	No
15	GOM_TRA_1PNPDE20100211_004904_000000452086_00432_41568_0110.N1	11-FEB-2010 00:49:04	Dark	44.500	99	Del Cen	2.5750	26000.	89	41568	No
16	GOM_TRA_1PNPDE20100211_005611_000000452086_00432_41568_0111.N1	11-FEB-2010 00:56:11	Straylight	45.000	65	Lam Vel	2.2040	4400.0	90	41568	No
17	GOM_TRA_1PNPDE20100211_010219_000000412086_00432_41568_0112.N1	11-FEB-2010 01:02:19	Straylight	40.500	132	15Rho Pup	2.8030	6900.0	81	41568	No
18	GOM_TRA_1PNPDE20100211_010625_000000532086_00432_41568_0113.N1	11-FEB-2010 01:06:25	Straylight	52.500	48	30Alp Hya	1.9770	4100.0	105	41568	No
19	GOM_TRA_1PNPDE20100211_013701_000000412086_00432_41568_0114.N1	11-FEB-2010 01:37:01	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	41568	No
20	GOM_TRA_1PNPDE20100211_014151_000000442086_00432_41568_0115.N1	11-FEB-2010 01:41:51	Bright	43.500	119	14Eta Dra	2.7270	4700.0	87	41568	No
21	GOM_TRA_1PNPDE20100211_014527_000000422086_00432_41568_0116.N1	11-FEB-2010 01:45:27	Bright	42.000	130	23Bet Dra	2.7990	5800.0	84	41568	No
22	GOM_TRA_1PNPDE20100211_014929_000000352086_00432_41568_0117.N1	11-FEB-2010 01:49:29	Bright	35.000	5	3Alp Lyr	0.033000	11000.	70	41568	No
23	GOM_TRA_1PNPDE20100211_015617_000000522086_00432_41568_0118.N1	11-FEB-2010 01:56:17	Bright	52.000	168	17Zet Aql	2.9860	11000.	104	41568	No
24	GOM_TRA_1PNPDE20100211_015812_000000412086_00432_41568_0119.N1	11-FEB-2010 01:58:12	Bright	40.500	59	55Alp Oph	2.0800	8900.0	81	41568	No
25	GOM_TRA_1PNPDE20100211_020026_000000472086_00432_41568_0120.N1	11-FEB-2010 02:00:26	Bright	46.500	126	60Bet Oph	2.7700	4250.0	93	41568	No
26	GOM_TRA_1PNPDE20100211_020728_000000462086_00432_41568_0127.N1	11-FEB-2010 02:07:28	Dark	45.500	86	35Eta Oph	2.4300	10200.	91	41568	No
27	GOM_TRA_1PNPDE20100211_021324_000000452086_00432_41568_0128.N1	11-FEB-2010 02:13:24	Dark	44.500	40	The Sco	1.8590	7100.0	89	41568	No
28	GOM_TRA_1PNPDE20100211_021513_000000392086_00432_41568_0129.N1	11-FEB-2010 02:15:13	Dark	38.500	147	Alp Ara	2.8770	26000.	77	41568	No
29	GOM_TRA_1PNPDE20100211_021642_000000412086_00432_41568_0130.N1	11-FEB-2010 02:16:42	Dark	40.500	141	Bet Ara	2.8400	4600.0	81	41568	No
30	GOM_TRA_1PNPDE20100211_021814_000000462086_00433_41569_0131.N1	11-FEB-2010 02:18:14	Dark	46.000	131	Gam Lup	2.8000	26000.	92	41569	No
31	GOM_TRA_1PNPDE20100211_022041_000000292086_00433_41569_0132.N1	11-FEB-2010 02:20:41	Dark	29.000	109	Bet Lup	2.6770	26000.	58	41569	No
32	GOM_TRA_1PNPDE20100211_022356_000000432086_00433_41569_0133.N1	11-FEB-2010 02:23:56	Dark	42.500	10	Bet Cen	0.61000	28000.	85	41569	No
33	GOM_TRA_1PNPDE20100211_022708_000000472086_00433_41569_0134.N1	11-FEB-2010 02:27:08	Dark	47.000	12	Alp1Cru	0.77500	30000.	94	41569	No
34	GOM_TRA_1PNPDE20100211_022941_000000452086_00433_41569_0135.N1	11-FEB-2010 02:29:41	Dark	44.500	99	Del Cen	2.5750	26000.	89	41569	No
35	GOM_TRA_1PNPDE20100211_023328_000000422086_00433_41569_0136.N1	11-FEB-2010 02:33:28	Dark	41.500	91	Kap Vel	2.4900	26000.	83	41569	No
36	GOM_TRA_1PNPDE20100211_023647_000000472086_00433_41569_0137.N1	11-FEB-2010 02:36:47	Straylight	46.500	65	Lam Vel	2.2040	4400.0	93	41569	No
37	GOM_TRA_1PNPDE20100211_024255_000000432086_00433_41569_0138.N1	11-FEB-2010 02:42:55	Straylight	42.500	132	15Rho Pup	2.8030	6900.0	85	41569	No
38	GOM_TRA_1PNPDE20100211_024701_000000512086_00433_41569_0139.N1	11-FEB-2010 02:47:01	Straylight	51.000	48	30Alp Hya	1.9770	4100.0	102	41569	No
39	GOM_TRA_1PNPDE20100211_025125_000000472086_00433_41569_0140.N1	11-FEB-2010 02:51:25	Bright	47.000	8	10Alp CMi	0.40000	6500.0	94	41569	No
40	GOM_TRA_1PNPDE20100211_025747_000000402086_00433_41569_0141.N1	11-FEB-2010 02:57:47	Bright	40.000	17	78Bet Gem	1.1610	4500.0	80	41569	No
41	GOM_TRA_1PNPDE20100211_031512_000000372086_00433_41569_0142.N1	11-FEB-2010 03:15:12	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	41569	No
42	GOM_TRA_1PNPDE20100211_031737_000000382086_00433_41569_0143.N1	11-FEB-2010 03:17:37	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	41569	No
43	GOM_TRA_1PNPDE20100211_032227_000000432086_00433_41569_0150.N1	11-FEB-2010 03:22:27	Bright	43.000	119	14Eta Dra	2.7270	4700.0	86	41569	No
44	GOM_TRA_1PNPDE20100211_032602_000000392086_00433_41569_0151.N1	11-FEB-2010 03:26:02	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	41569	No
45	GOM_TRA_1PNPDE20100211_033653_000000522086_00433_41569_0152.N1	11-FEB-2010 03:36:53	Bright	52.000	168	17Zet Aql	2.9860	11000.	104	41569	No
46	GOM_TRA_1PNPDE20100211_033849_000000432086_00433_41569_0153.N1	11-FEB-2010 03:38:49	Bright	43.000	59	55Alp Oph	2.0800	8900.0	86	41569	No
47	GOM_TRA_1PNPDE20100211_034102_000000462086_00433_41569_0154.N1	11-FEB-2010 03:41:02	Bright	46.000	126	60Bet Oph	2.7700	4250.0	92	41569	No
48	GOM_TRA_1PNPDE20100211_034805_000000462086_00433_41569_0155.N1	11-FEB-2010 03:48:05	Dark	45.500	86	35Eta Oph	2.4300	10200.	91	41569	No
49	GOM_TRA_1PNPDE20100211_035240_000000452086_00433_41569_0156.N1	11-FEB-2010 03:52:40	Dark	44.500	25	35Lam Sco	1.6200	28000.	89	41569	No
50	GOM_TRA_1PNPDE20100211_035401_000000452086_00433_41569_0157.N1	11-FEB-2010 03:54:01	Dark	45.000	40	The Sco	1.8590	7100.0	90	41569	No
51	GOM_TRA_1PNPDE20100211_035549_000000392086_00433_41569_0158.N1	11-FEB-2010 03:55:49	Dark	38.500	147	Alp Ara	2.8770	26000.	77	41569	No
52	GOM_TRA_1PNPDE20100211_035719_000000502086_00433_41569_0159.N1	11-FEB-2010 03:57:19	Dark	50.000	141	Bet Ara	2.8400	4600.0	100	41569	No
53	GOM_TRA_1PNPDE20100211_035851_000000472086_00434_41570_0160.N1	11-FEB-2010 03:58:51	Dark	47.000	131	Gam Lup	2.8000	26000.	94	41570	No
54	GOM_TRA_1PNPDE20100211_040118_000000262086_00434_41570_0161.N1	11-FEB-2010 04:01:18	Dark	26.000	109	Bet Lup	2.6770	26000.	52	41570	No
55	GOM_TRA_1PNPDE20100211_040433_000000432086_00434_41570_0162.N1	11-FEB-2010 04:04:33	Dark	43.000	10	Bet Cen	0.61000	28000.	86	41570	No
56	GOM_TRA_1PNPDE20100211_040745_000000452086_00434_41570_0163.N1	11-FEB-2010 04:07:45	Dark	44.500	12	Alp1Cru	0.77500	30000.	89	41570	No
57	GOM_TRA_1PNPDE20100211_040906_000000482086_00434_41570_0164.N1	11-FEB-2010 04:09:06	Dark	47.500	64	Gam Cen	2.2000	10600.	95	41570	No
58	GOM_TRA_1PNPDE20100211_041724_000000462086_00434_41570_0165.N1	11-FEB-2010 04:17:24	Straylight	46.000	65	Lam Vel	2.2040	4400.0	92	41570	No
59	GOM_TRA_1PNPDE20100211_042331_000000422086_00434_41570_0166.N1	11-FEB-2010 04:23:31	Straylight	41.500	132	15Rho Pup	2.8030	6900.0	83	41570	No
60	GOM_TRA_1PNPDE20100211_042737_000000542086_00434_41570_0167.N1	11-FEB-2010 04:27:37	Straylight	53.500	48	30Alp Hya	1.9770	4100.0	107	41570	No
61	GOM_TRA_1PNPDE20100211_043823_000000402086_00434_41570_0168.N1	11-FEB-2010 04:38:23	Bright	40.000	17	78Bet Gem	1.1610	4500.0	80	41570	No

62	GOM_TRA_1PNPDE20100211_045548_000000362086_00434_41570_0169.N1	11-FEB-2010 04:55:48	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	41570	No
63	GOM_TRA_1PNPDE20100211_045813_000000432086_00434_41570_0172.N1	11-FEB-2010 04:58:13	Bright	42.500	60	7Bet UMi	2.0810	3950.0	85	41570	Yes
64	GOM_TRA_1PNPDE20100211_050303_000000432086_00434_41570_0173.N1	11-FEB-2010 05:03:03	Bright	42.500	119	14Eta Dra	2.7270	4700.0	85	41570	No
65	GOM_TRA_1PNPDE20100211_050638_000000432086_00434_41570_0174.N1	11-FEB-2010 05:06:38	Bright	43.000	130	23Bet Dra	2.7990	5800.0	86	41570	No
66	GOM_TRA_1PNPDE20100211_051925_000000612086_00434_41570_0175.N1	11-FEB-2010 05:19:25	Bright	61.000	59	55Alp Oph	2.0800	8900.0	122	41570	No
67	GOM_TRA_1PNPDE20100211_052139_000000592086_00434_41570_0176.N1	11-FEB-2010 05:21:39	Bright	59.000	126	60Bet Oph	2.7700	4250.0	118	41570	No
68	GOM_TRA_1PNPDE20100211_052842_000000502086_00434_41570_0177.N1	11-FEB-2010 05:28:42	Dark	49.500	86	35Eta Oph	2.4300	10200.	99	41570	No
69	GOM_TRA_1PNPDE20100211_053317_000000522086_00434_41570_0178.N1	11-FEB-2010 05:33:17	Dark	51.500	25	35Lam Sco	1.6200	28000.	103	41570	No
70	GOM_TRA_1PNPDE20100211_053626_000000402086_00434_41570_0179.N1	11-FEB-2010 05:36:26	Dark	39.500	147	Alp Ara	2.8770	26000.	79	41570	No
71	GOM_TRA_1PNPDE20100211_053755_000000442086_00434_41570_0180.N1	11-FEB-2010 05:37:55	Dark	43.500	141	Bet Ara	2.8400	4600.0	87	41570	No
72	GOM_TRA_1PNPDE20100211_053928_000000452086_00435_41571_0181.N1	11-FEB-2010 05:39:28	Dark	44.500	131	Gam Lup	2.8000	26000.	89	41571	No
73	GOM_TRA_1PNPDE20100211_054155_000000262086_00435_41571_0182.N1	11-FEB-2010 05:41:55	Dark	26.000	109	Bet Lup	2.6770	26000.	52	41571	No
74	GOM_TRA_1PNPDE20100211_054821_000000412086_00435_41571_0183.N1	11-FEB-2010 05:48:21	Dark	40.500	12	Alp1Cru	0.77500	30000.	81	41571	No
75	GOM_TRA_1PNPDE20100211_054943_000000492086_00435_41571_0184.N1	11-FEB-2010 05:49:43	Dark	48.500	64	Gam Cen	2.2000	10600.	97	41571	No
76	GOM_TRA_1PNPDE20100211_055800_000000442086_00435_41571_0185.N1	11-FEB-2010 05:58:00	Straylight	44.000	65	Lam Vel	2.2040	4400.0	88	41571	No
77	GOM_TRA_1PNPDE20100211_060408_000000412086_00435_41571_0186.N1	11-FEB-2010 06:04:08	Straylight	41.000	132	15Rho Pup	2.8030	6900.0	82	41571	No
78	GOM_TRA_1PNPDE20100211_060813_000000522086_00435_41571_0187.N1	11-FEB-2010 06:08:13	Straylight	52.000	48	30Alp Hya	1.9770	4100.0	104	41571	No
79	GOM_TRA_1PNPDE20100211_063849_000000422086_00435_41571_0188.N1	11-FEB-2010 06:38:49	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	41571	No
80	GOM_TRA_1PNPDE20100211_210006_000000412086_00444_41580_0265.N1	11-FEB-2010 21:00:06	Dark	41.000	91	Kap Vel	2.4900	26000.	82	41580	No
81	GOM_TRA_1PNPDE20100211_210326_000000462086_00444_41580_0266.N1	11-FEB-2010 21:03:26	Straylight	45.500	65	Lam Vel	2.2040	4400.0	91	41580	No
82	GOM_TRA_1PNPDE20100211_210932_000000402086_00444_41580_0267.N1	11-FEB-2010 21:09:32	Straylight	40.000	132	15Rho Pup	2.8030	6900.0	80	41580	No
83	GOM_TRA_1PNPDE20100211_211336_000000532086_00444_41580_0268.N1	11-FEB-2010 21:13:36	Straylight	53.000	48	30Alp Hya	1.9770	4100.0	106	41580	No
84	GOM_TRA_1PNPDE20100211_214147_000000332086_00444_41580_0269.N1	11-FEB-2010 21:41:47	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	41580	No
85	GOM_TRA_1PNPDE20100211_214900_000000452086_00444_41580_0270.N1	11-FEB-2010 21:49:00	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	41580	No
86	GOM_TRA_1PNPDE20100211_215237_000000382086_00444_41580_0271.N1	11-FEB-2010 21:52:37	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	41580	No
87	GOM_TRA_1PNPDE20100211_215641_000000372086_00444_41580_0272.N1	11-FEB-2010 21:56:41	Bright	37.000	5	3Alp Lyr	0.033000	11000.	74	41580	No
88	GOM_TRA_1PNPDE20100211_220330_000000522086_00444_41580_0273.N1	11-FEB-2010 22:03:30	Bright	52.000	168	17Zet Aql	2.9860	11000.	104	41580	No
89	GOM_TRA_1PNPDE20100211_220529_000000442086_00444_41580_0274.N1	11-FEB-2010 22:05:29	Bright	44.000	59	55Alp Oph	2.0800	8900.0	88	41580	No
90	GOM_TRA_1PNPDE20100211_220742_000000442086_00444_41580_0275.N1	11-FEB-2010 22:07:42	Bright	43.500	126	60Bet Oph	2.7700	4250.0	87	41580	No
91	GOM_TRA_1PNPDE20100211_221448_000000482086_00444_41580_0286.N1	11-FEB-2010 22:14:48	Dark	47.500	86	35Eta Oph	2.4300	10200.	95	41580	No
92	GOM_TRA_1PNPDE20100211_221645_000000442086_00444_41580_0287.N1	11-FEB-2010 22:16:45	Dark	44.000	167	10Gam2Sgr	2.9840	4500.0	88	41580	No
93	GOM_TRA_1PNPDE20100211_221921_000000482086_00444_41580_0288.N1	11-FEB-2010 22:19:21	Dark	47.500	25	35Lam Sco	1.6200	28000.	95	41580	No
94	GOM_TRA_1PNPDE20100211_222229_000000372086_00444_41580_0289.N1	11-FEB-2010 22:22:29	Dark	37.000	147	Alp Ara	2.8770	26000.	74	41580	No
95	GOM_TRA_1PNPDE20100211_222358_000000472086_00444_41580_0290.N1	11-FEB-2010 22:23:58	Dark	46.500	141	Bet Ara	2.8400	4600.0	93	41580	No
96	GOM_TRA_1PNPDE20100211_222537_000000472086_00445_41581_0291.N1	11-FEB-2010 22:25:37	Dark	46.500	131	Gam Lup	2.8000	26000.	93	41581	No
97	GOM_TRA_1PNPDE20100211_223115_000000422086_00445_41581_0292.N1	11-FEB-2010 22:31:15	Dark	41.500	10	Bet Cen	0.61000	28000.	83	41581	No
98	GOM_TRA_1PNPDE20100211_223425_000000442086_00445_41581_0293.N1	11-FEB-2010 22:34:25	Dark	43.500	12	Alp1Cru	0.77500	30000.	87	41581	No
99	GOM_TRA_1PNPDE20100211_223550_000000462086_00445_41581_0294.N1	11-FEB-2010 22:35:50	Dark	45.500	64	Gam Cen	2.2000	10600.	91	41581	No
100	GOM_TRA_1PNPDE20100211_224043_000000392086_00445_41581_0295.N1	11-FEB-2010 22:40:43	Dark	39.000	91	Kap Vel	2.4900	26000.	78	41581	No
101	GOM_TRA_1PNPDE20100211_225009_000000422086_00445_41581_0296.N1	11-FEB-2010 22:50:09	Straylight	41.500	132	15Rho Pup	2.8030	6900.0	83	41581	No
102	GOM_TRA_1PNPDE20100211_225412_000000532086_00445_41581_0297.N1	11-FEB-2010 22:54:12	Straylight	53.000	48	30Alp Hya	1.9770	4100.0	106	41581	No
103	GOM_TRA_1PNPDE20100211_230458_000000402086_00445_41581_0298.N1	11-FEB-2010 23:04:58	Bright	39.500	17	78Bet Gem	1.1610	4500.0	79	41581	No
104	GOM_TRA_1PNPDE20100211_232223_000000372086_00445_41581_0299.N1	11-FEB-2010 23:22:23	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	41581	No
105	GOM_TRA_1PNPDE20100211_232445_000000422086_00445_41581_0300.N1	11-FEB-2010 23:24:45	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	41581	No
106	GOM_TRA_1PNPDE20100211_232935_000000402086_00445_41581_0301.N1	11-FEB-2010 23:29:35	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	41581	No
107	GOM_TRA_1PNPDE20100211_233313_000000402086_00445_41581_0302.N1	11-FEB-2010 23:33:13	Bright	40.000	130	23Bet Dra	2.7990	5800.0	80	41581	No
108	GOM_TRA_1PNPDE20100211_234406_000000432086_00445_41581_0303.N1	11-FEB-2010 23:44:06	Bright	42.500	168	17Zet Aql	2.9860	11000.	85	41581	No
109	GOM_TRA_1PNPDE20100211_234605_000000452086_00445_41581_0304.N1	11-FEB-2010 23:46:05	Bright	45.000	59	55Alp Oph	2.0800	8900.0	90	41581	No
110	GOM_TRA_1PNPDE20100211_234819_000000492086_00445_41581_0305.N1	11-FEB-2010 23:48:19	Bright	48.500	126	60Bet Oph	2.7700	4250.0	97	41581	No
111	GOM_TRA_1PNPDE20100211_235524_000000492086_00445_41581_0309.N1	11-FEB-2010 23:55:24	Dark	49.000	86	35Eta Oph	2.4300	10200.	98	41581	No
112	GOM_TRA_1PNPDE20100211_235721_000000412086_00445_41581_0310.N1	11-FEB-2010 23:57:21	Dark	40.500	167	10Gam2Sgr	2.9840	4500.0	81	41581	No
113	GOM_TRA_1PNPDE20100211_235958_000000442086_00445_41581_0311.N1	11-FEB-2010 23:59:58	Dark	43.500	25	35Lam Sco	1.6200	28000.	87	41581	No

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



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

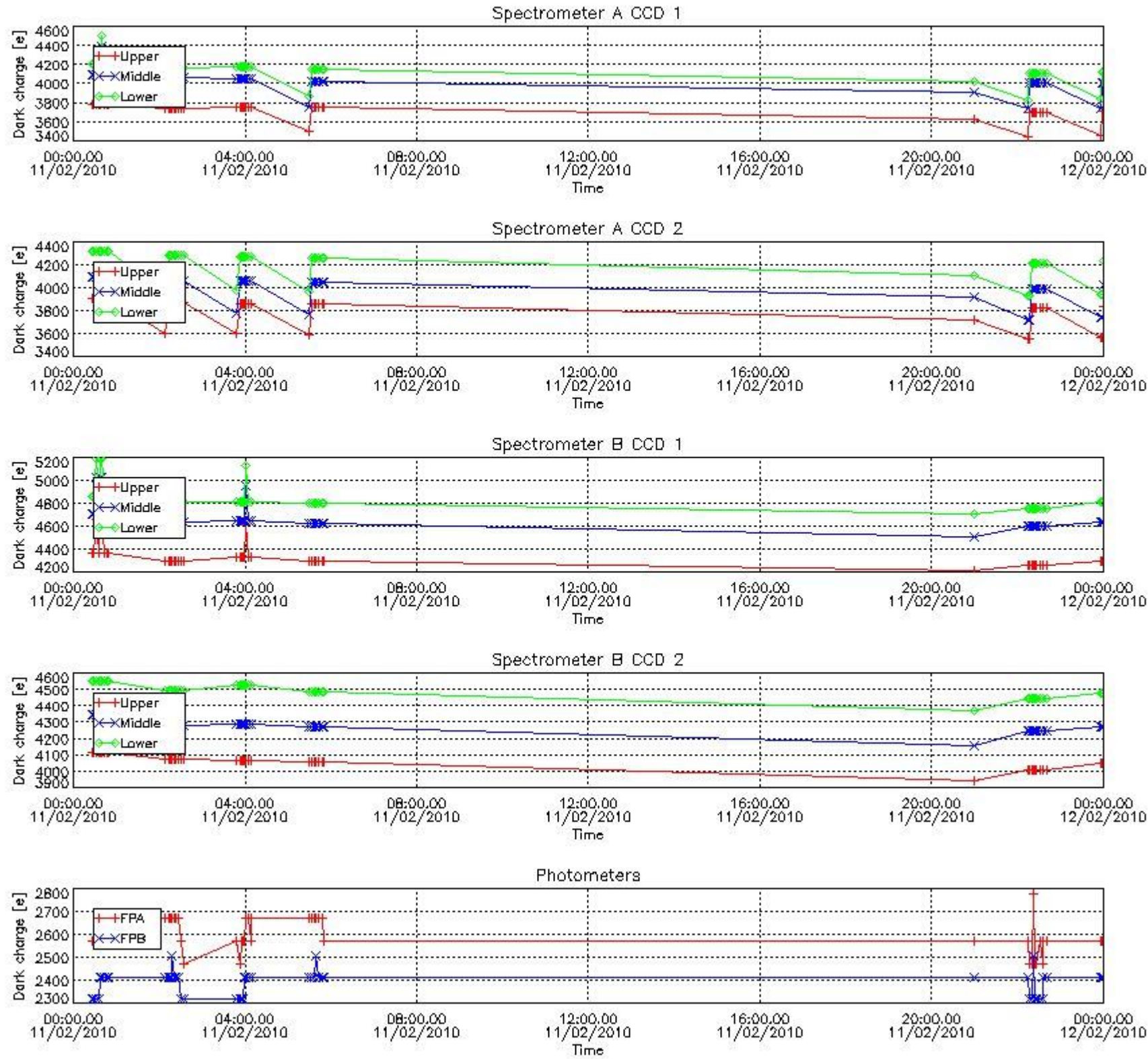
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount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

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

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

Product name	DC information
GOM_TRA_1PNPDE20100211_210006_000000412086_00444_41580_0265.N1	DC map used
GOM_TRA_1PNPDE20100211_210326_000000462086_00444_41580_0266.N1	DC map used
GOM_TRA_1PNPDE20100211_210932_000000402086_00444_41580_0267.N1	DC map used
GOM_TRA_1PNPDE20100211_211336_000000532086_00444_41580_0268.N1	DC map used
GOM_TRA_1PNPDE20100211_214147_000000332086_00444_41580_0269.N1	DC map used
GOM_TRA_1PNPDE20100211_214900_000000452086_00444_41580_0270.N1	DC map used
GOM_TRA_1PNPDE20100211_215237_000000382086_00444_41580_0271.N1	DC map used
GOM_TRA_1PNPDE20100211_215641_000000372086_00444_41580_0272.N1	DC map used
GOM_TRA_1PNPDE20100211_220330_000000522086_00444_41580_0273.N1	DC map used
GOM_TRA_1PNPDE20100211_220529_000000442086_00444_41580_0274.N1	DC map used
GOM_TRA_1PNPDE20100211_220742_000000442086_00444_41580_0275.N1	DC map used

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



## 5. Demodulation flag and quality information monitoring

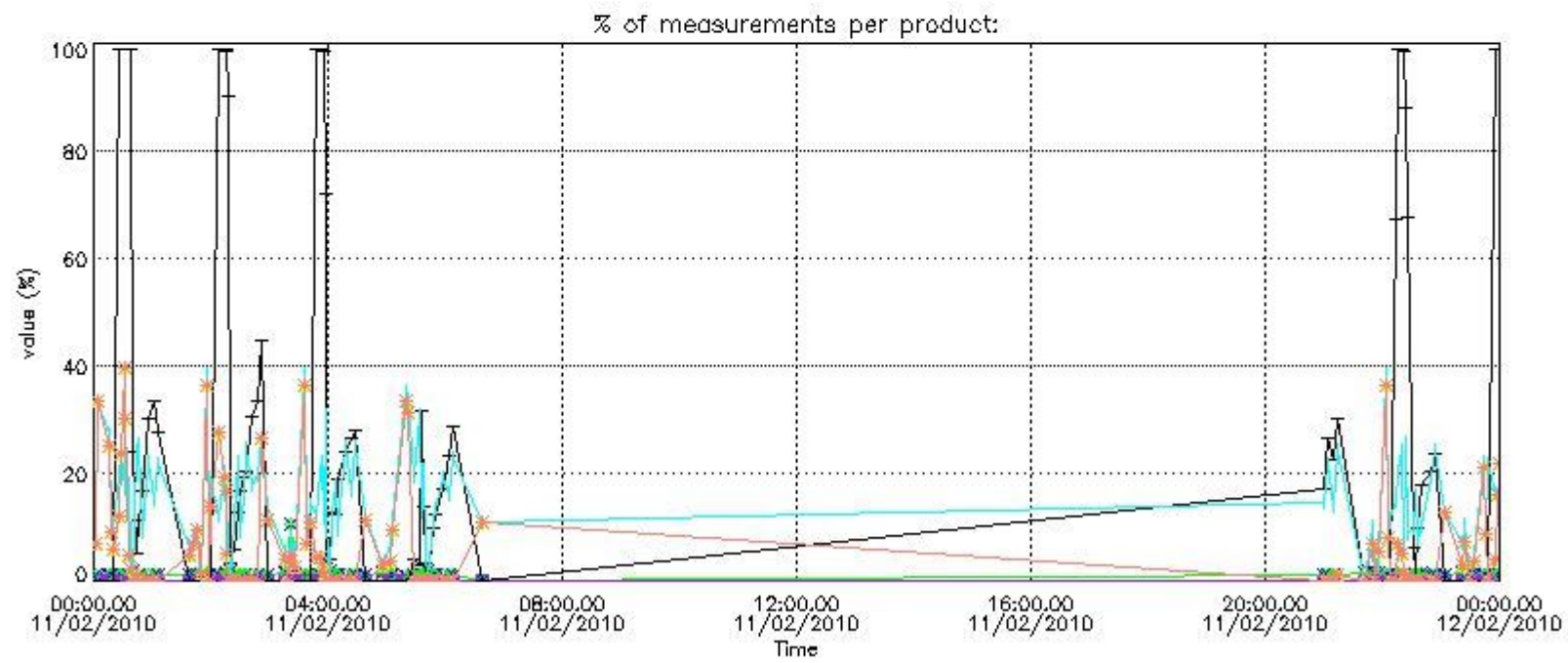
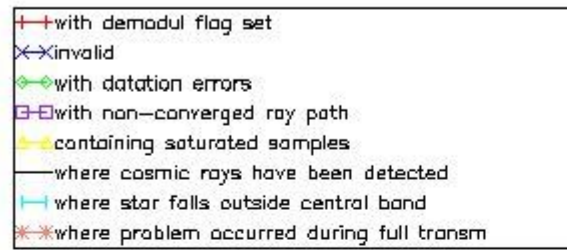
In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

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

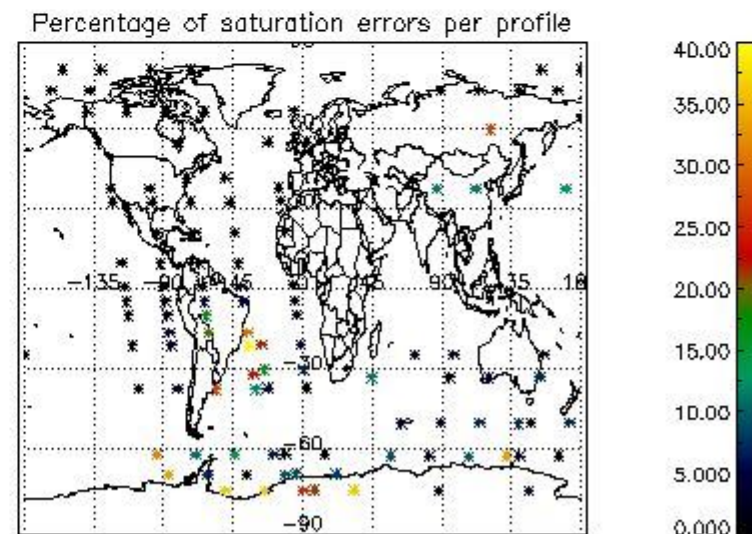
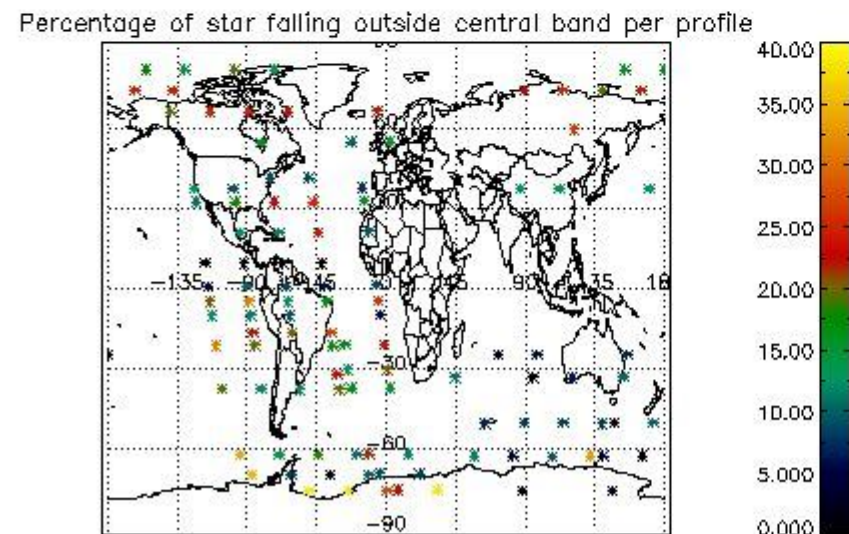
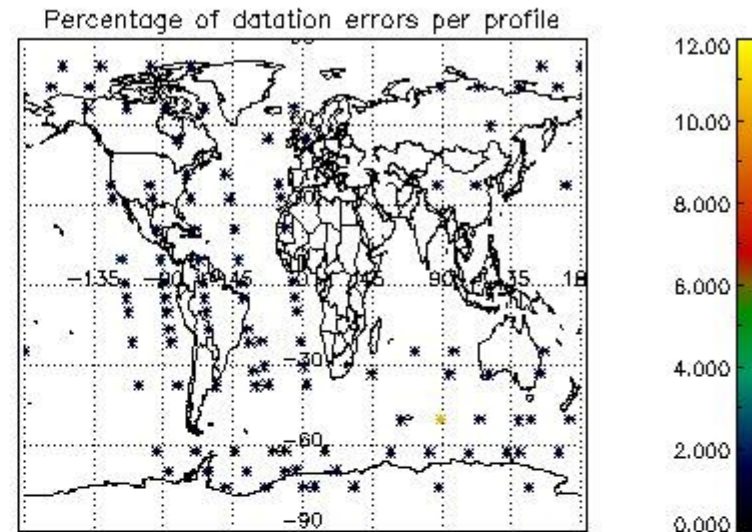
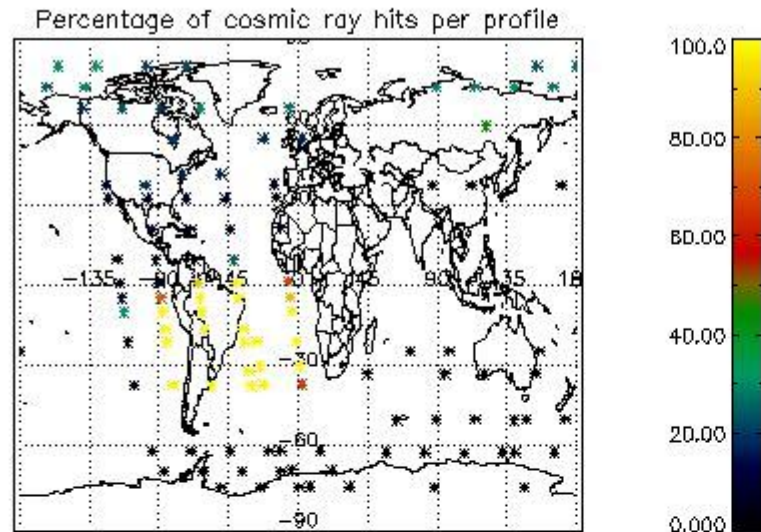


At least one measurement with demodulation flag set:	46.4286 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

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



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



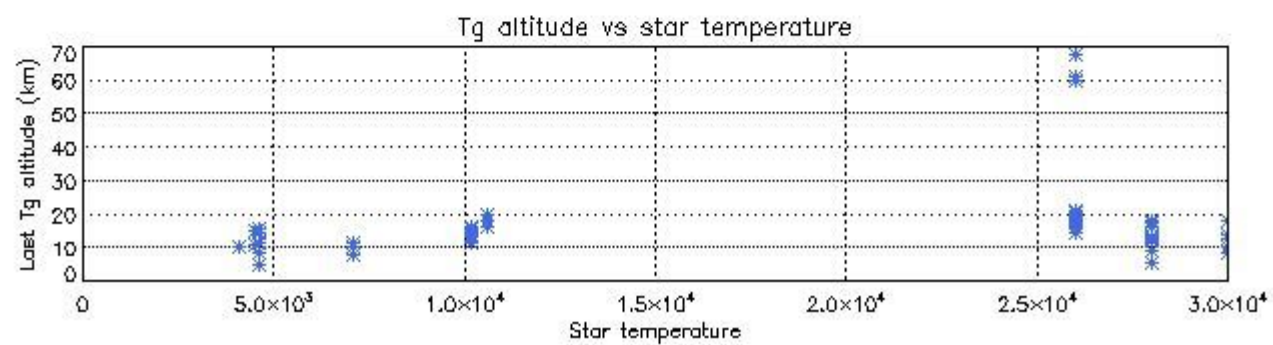
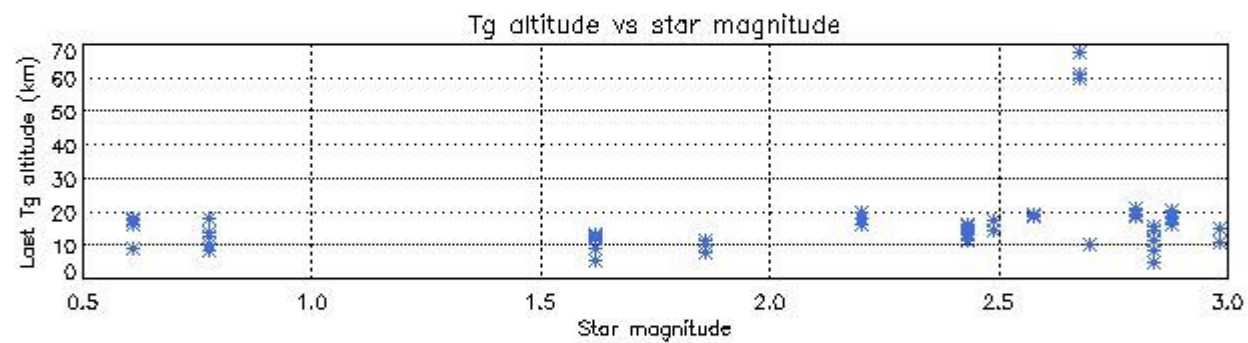
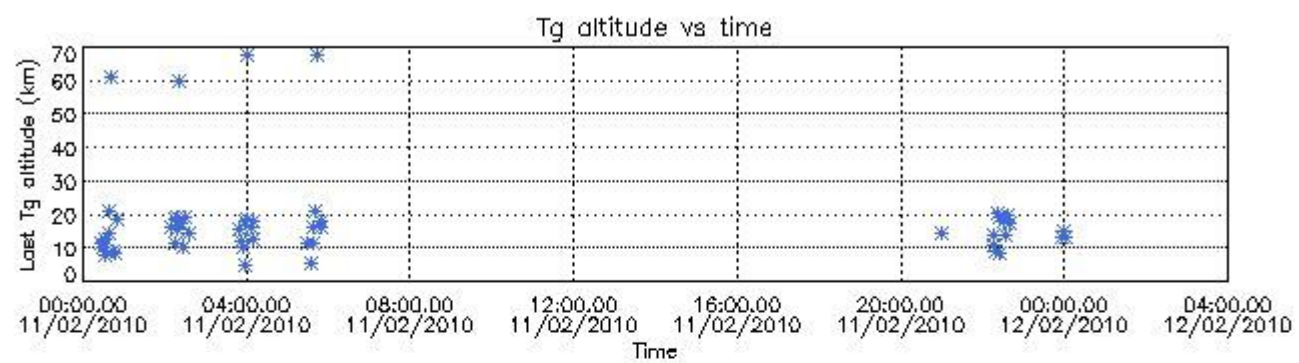
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	18.105	16.435	NaN
St. deviation:	14.005	6.5639	NaN
Maximum:	67.744	29.331	NaN
Minimum:	5.0334	3.5430	NaN
Number of data:	52.000	43.000	NaN

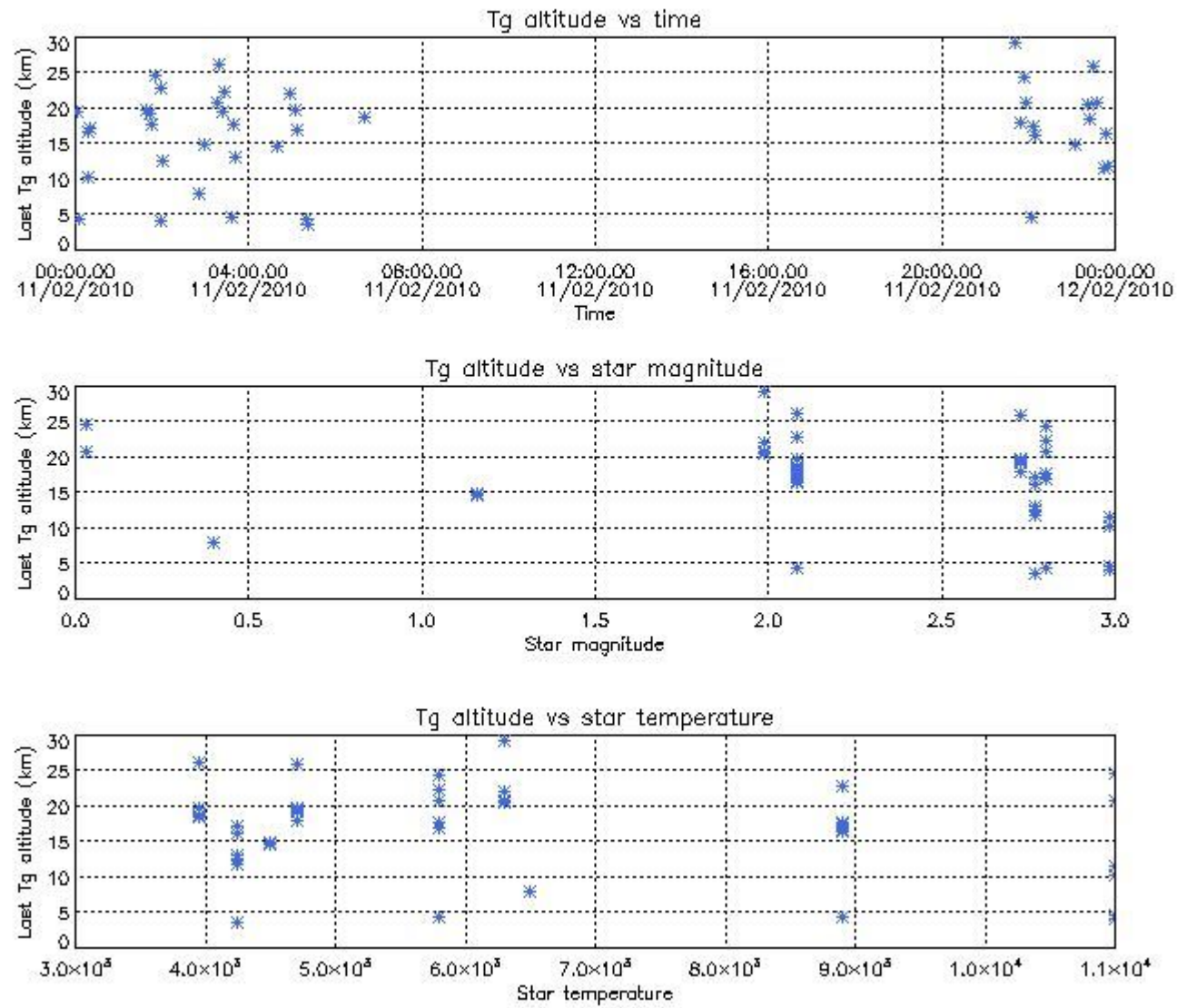
### 6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost

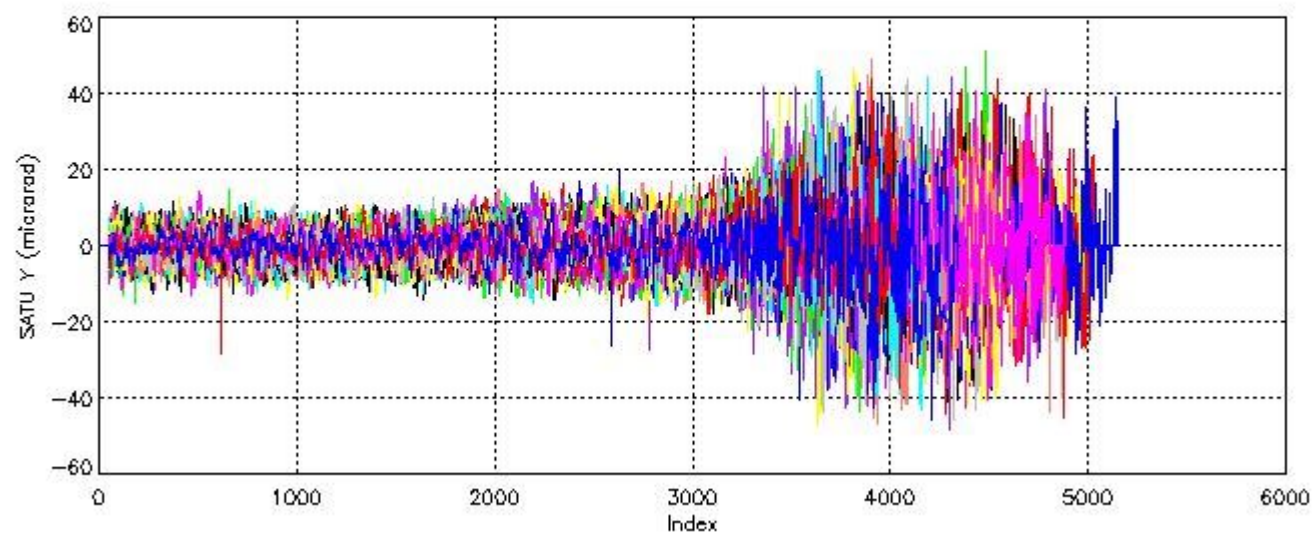
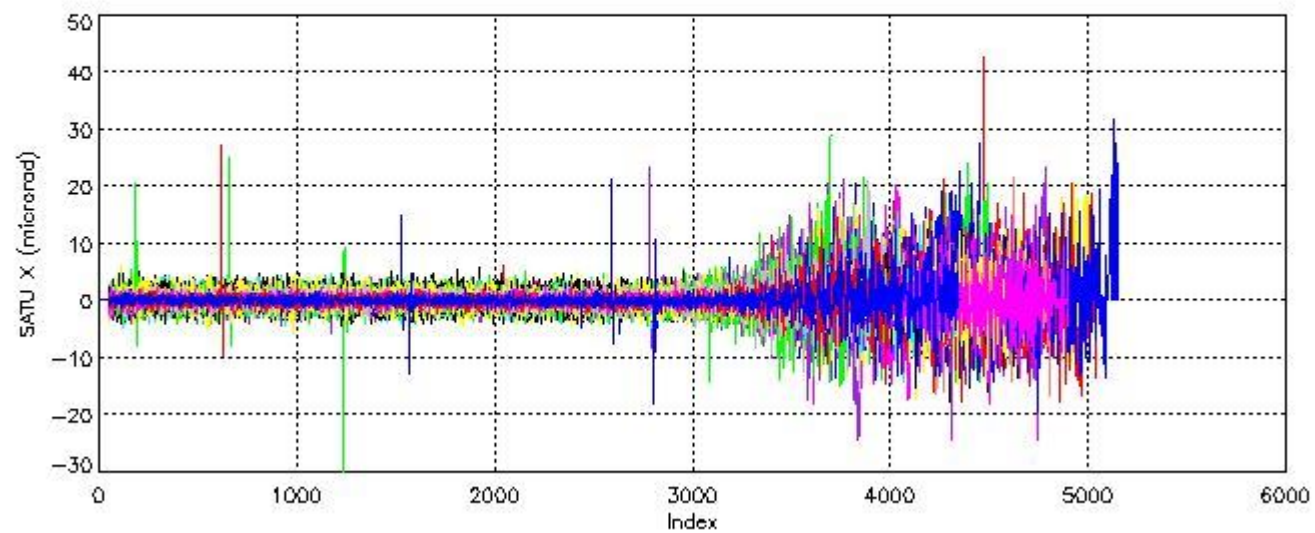


## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.13185	-0.43211	0.10564	-0.53965
St. deviation:	0.80094	3.0607	0.67007	2.8912
Maximum:	27.300	14.500	5.6000	10.400
Minimum:	-9.7000	-28.600	-5.7000	-11.800

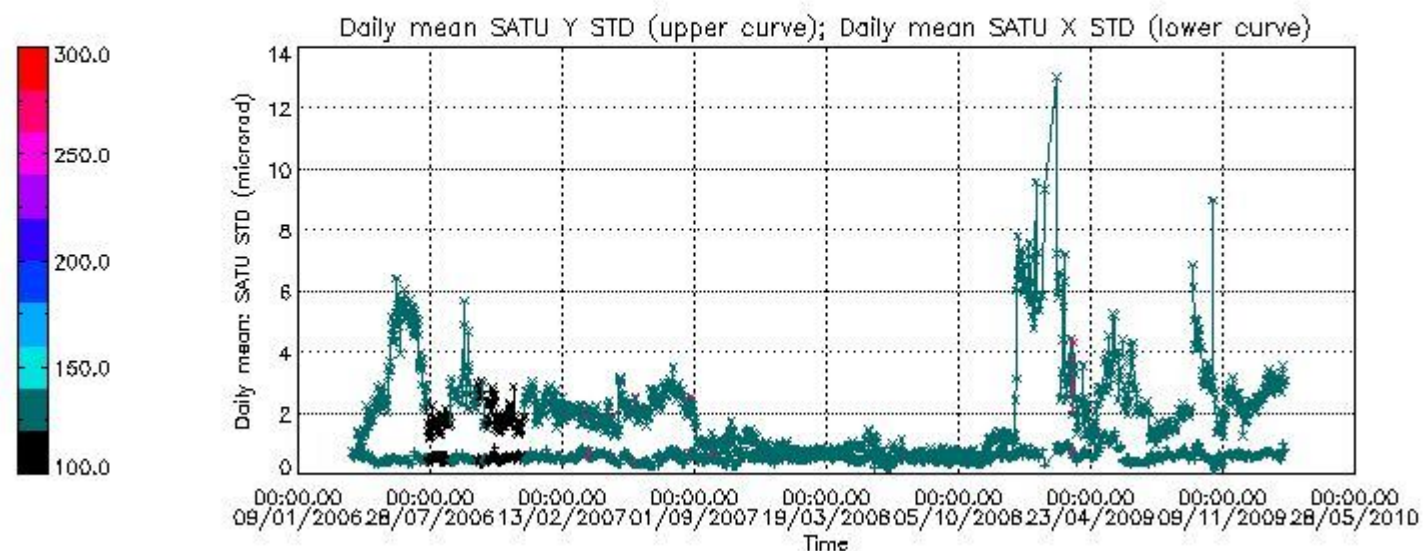
Number of data:	50250.	50250.	39400.	39400.
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### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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.

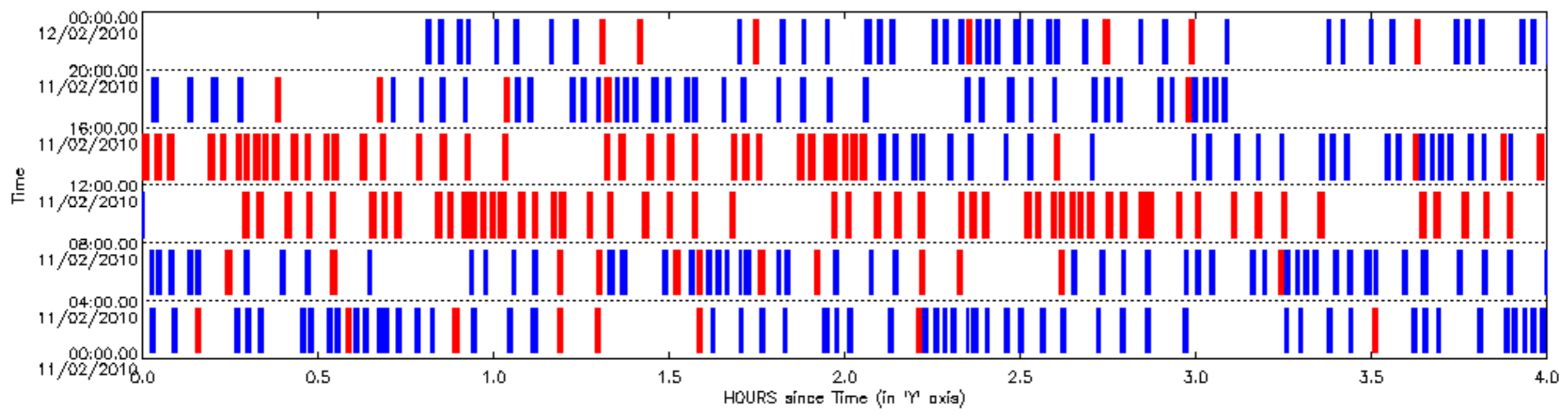
Upper curve: STD of SATU Y axis  
Lower curve: STD of SATU X axis

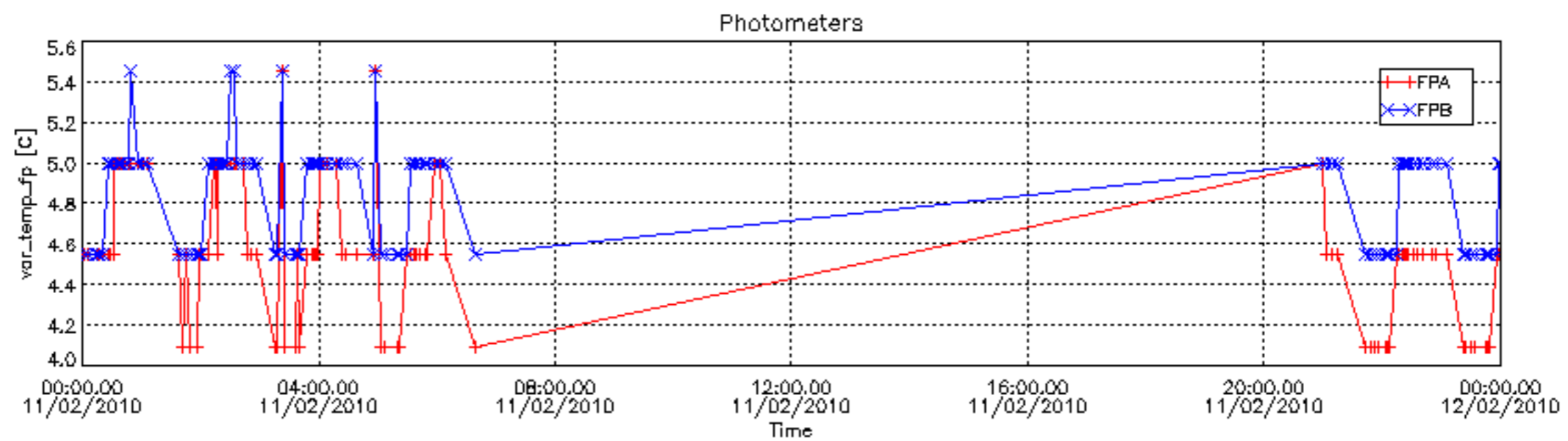
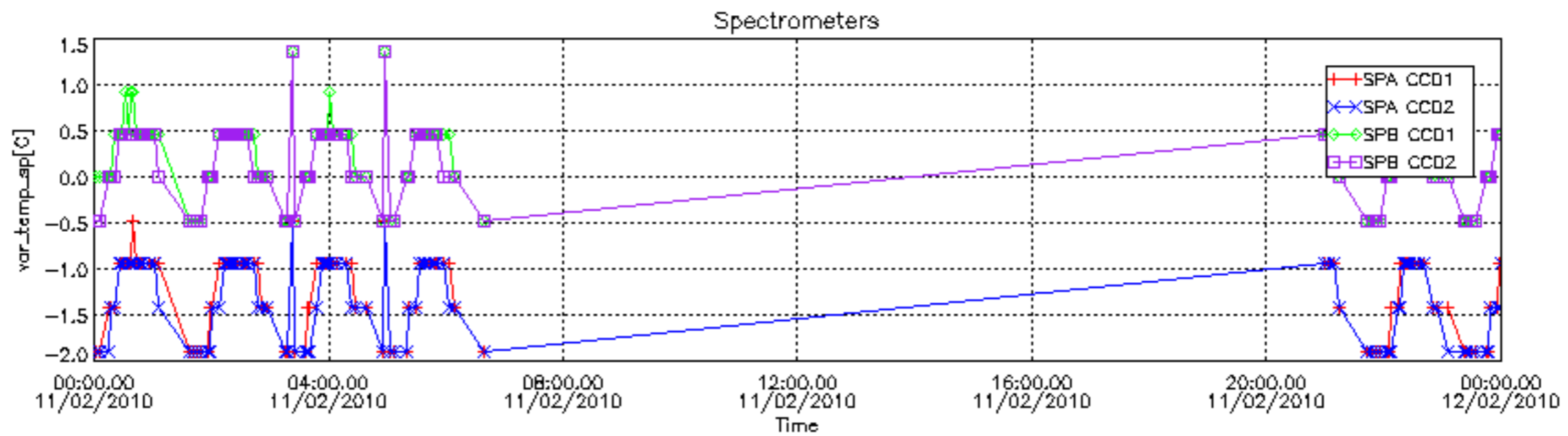


### 8. Auxiliary Data Files used for the production reported in section 2.4

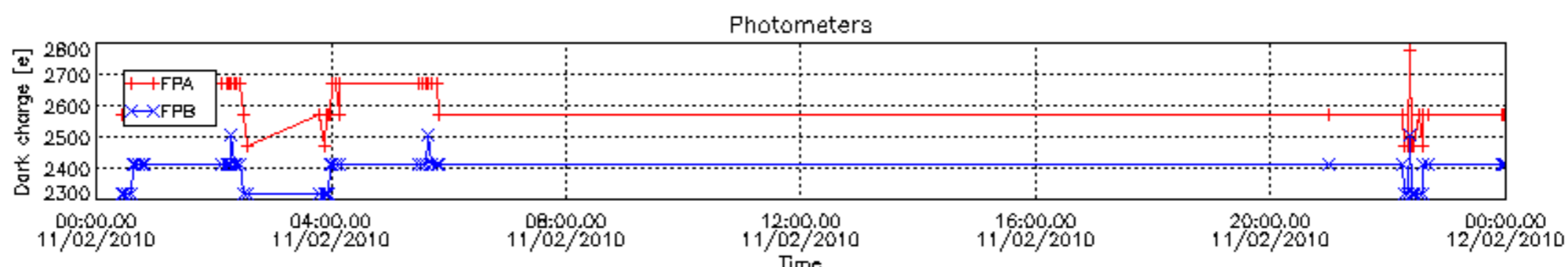
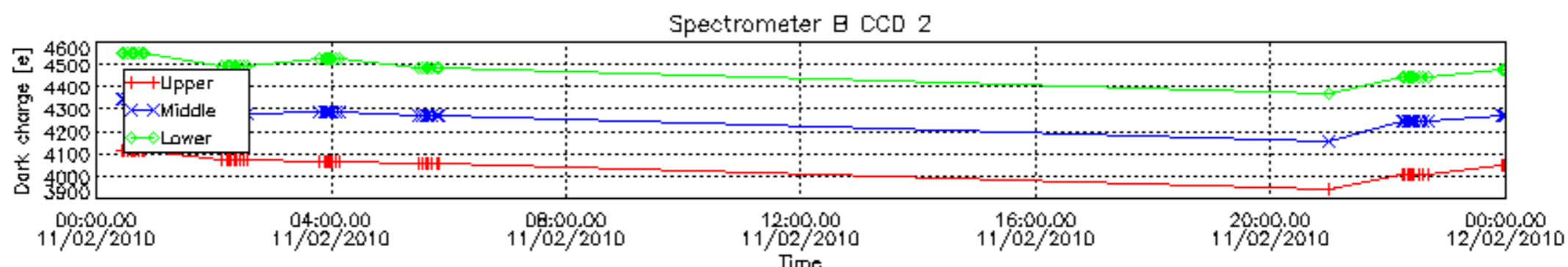
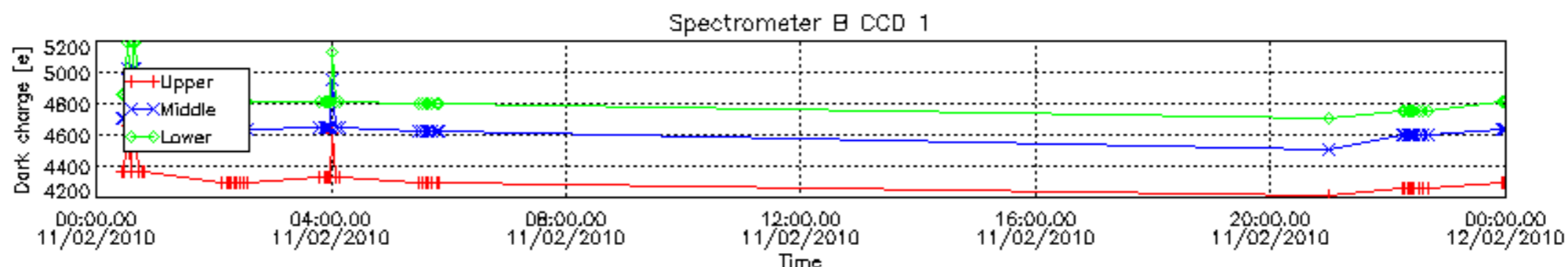
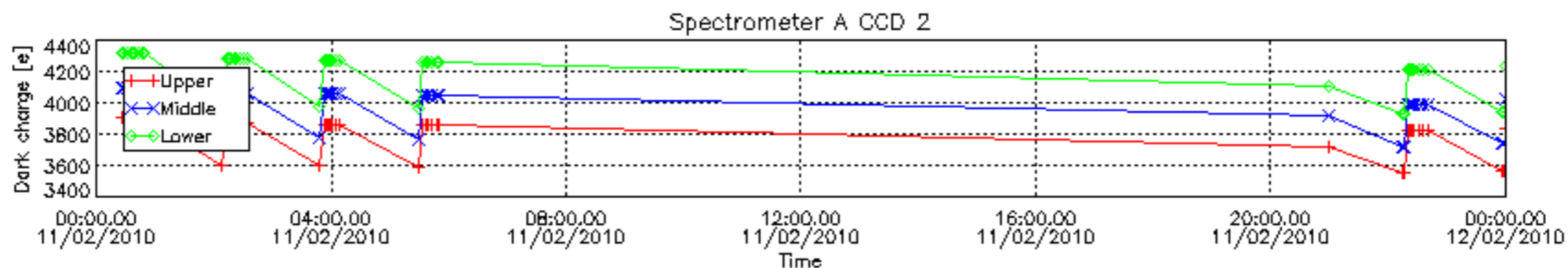
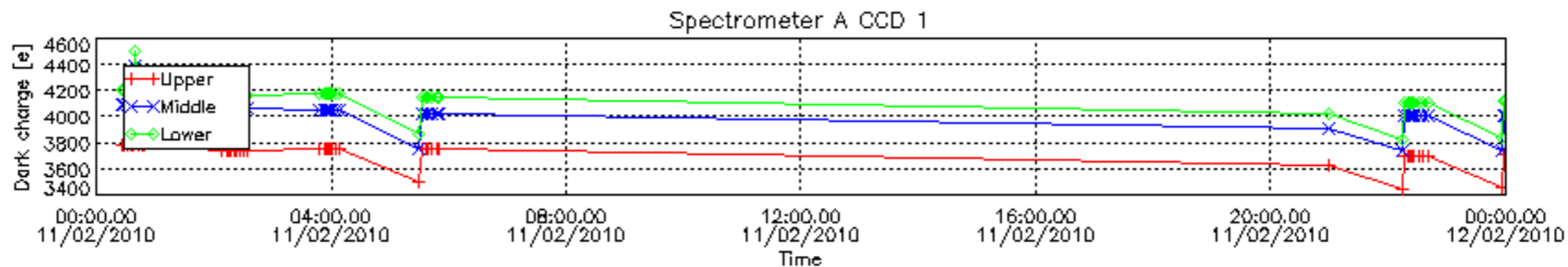
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

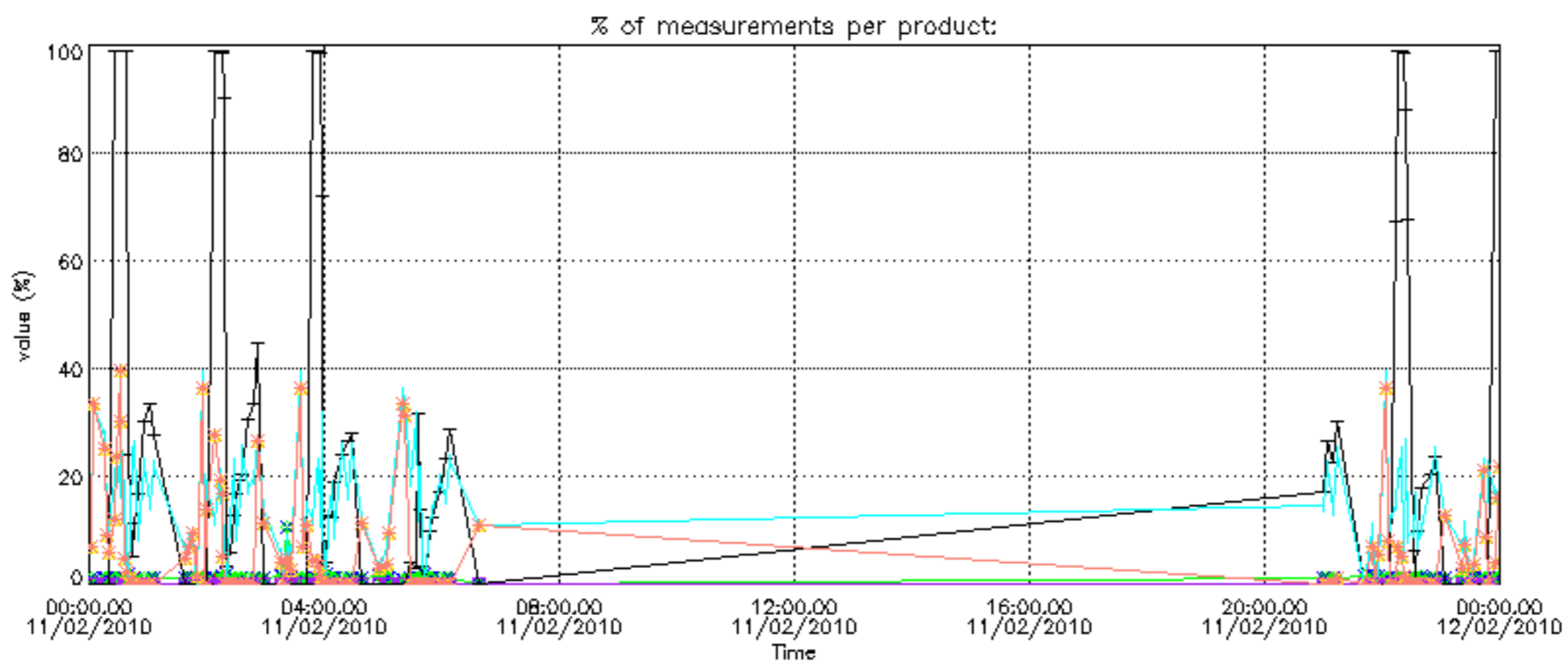
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	11-FEB-2010 00:01:16
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100210_103840_20100209_000000_20500101_000000	1	11-FEB-2010 00:01:16
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	11-FEB-2010 00:01:16
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	11-FEB-2010 00:01:16
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	11-FEB-2010 00:01:16
ECMWF_FILE	AUX_ECF_AXNECM20100210_064112_20100210_210000_20100211_090000	1	11-FEB-2010 00:01:16
ECMWF_FILE	AUX_ECF_AXNECM20100210_180114_20100211_030000_20100211_150000	43	11-FEB-2010 03:22:27
ECMWF_FILE	AUX_ECA_AXNECM20100211_060112_20100210_210000_20100211_090000	63	11-FEB-2010 04:58:13
ECMWF_FILE	AUX_ECF_AXNECM20100211_062113_20100211_210000_20100212_090000	80	11-FEB-2010 21:00:06
OPTIONAL_ECMWF_FILE	MISSING	1	11-FEB-2010 00:01:16
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100210_224154_000057382086_00430_41566_9740.N1	1	11-FEB-2010 00:01:16
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100210_235622_20100210_193539_20100220_210150	6	11-FEB-2010 00:26:51
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100211_015829_000044632086_00432_41568_9742.N1	26	11-FEB-2010 02:07:28
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100210_235622_20100210_193539_20100220_210150	43	11-FEB-2010 03:22:27
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100211_045349_000057382086_00434_41570_9744.N1	63	11-FEB-2010 04:58:13
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100211_205530_000041442086_00444_41580_9745.N1	80	11-FEB-2010 21:00:06
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100210_235622_20100210_193539_20100220_210150	91	11-FEB-2010 22:14:48
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100211_235050_000054192086_00445_41581_9747.N1	111	11-FEB-2010 23:55:24



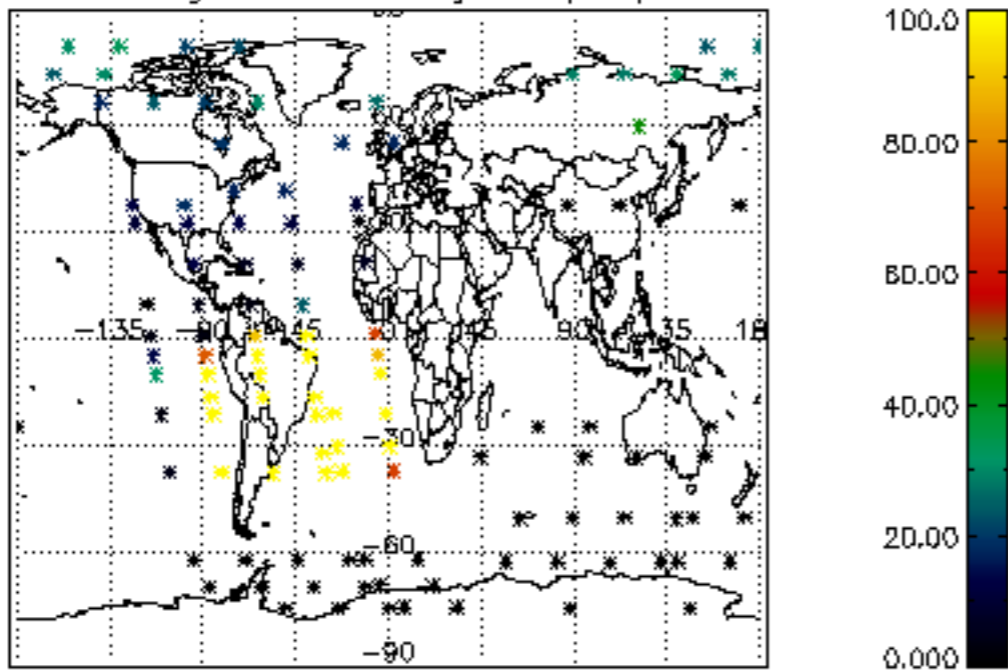




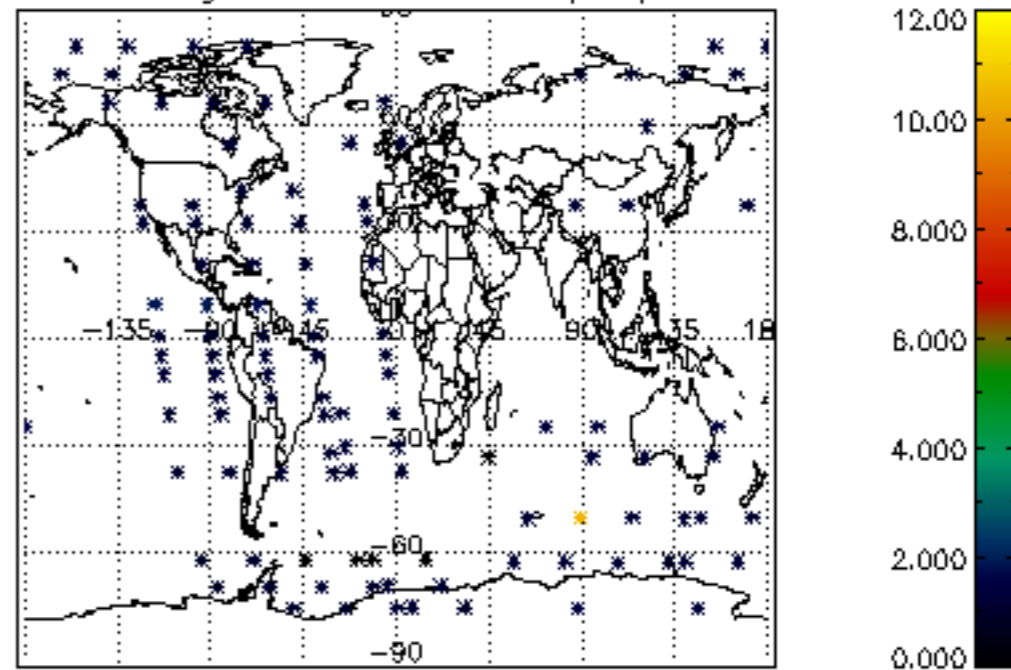




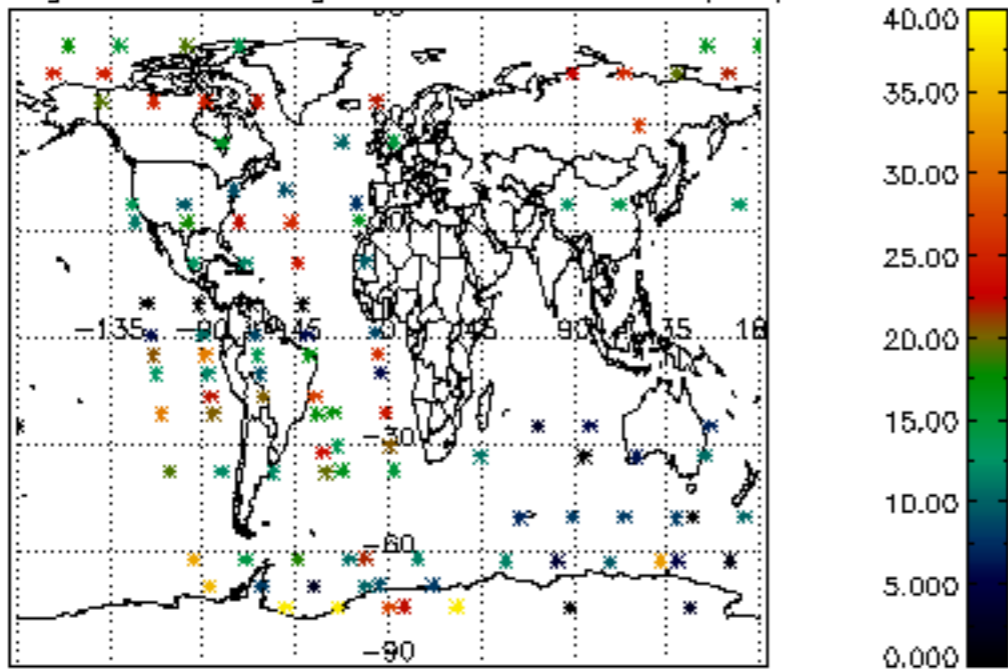
Percentage of cosmic ray hits per profile



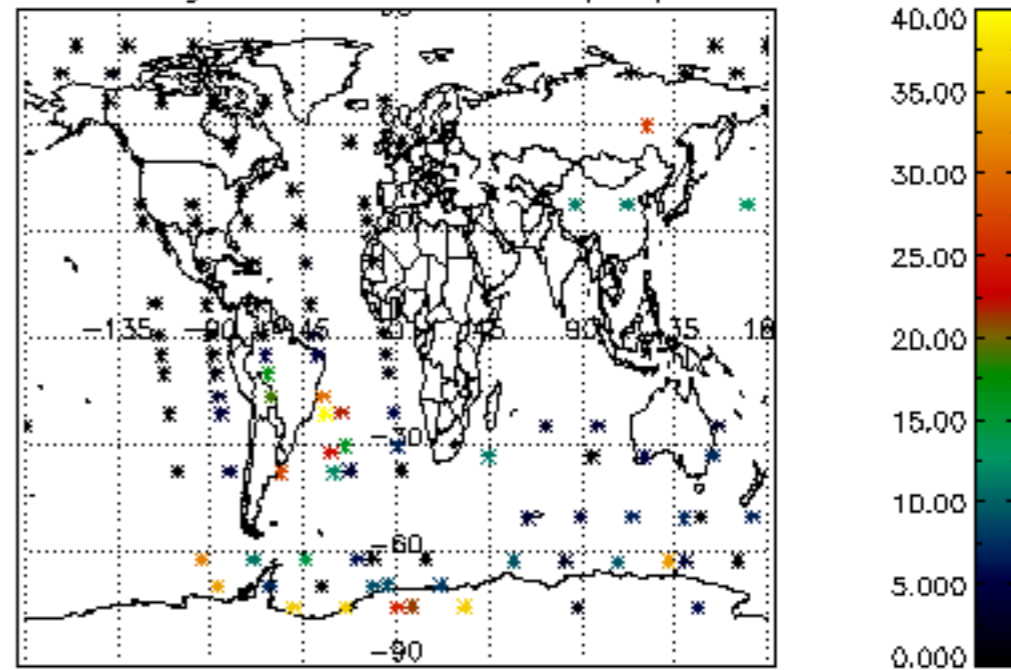
Percentage of datation errors per profile



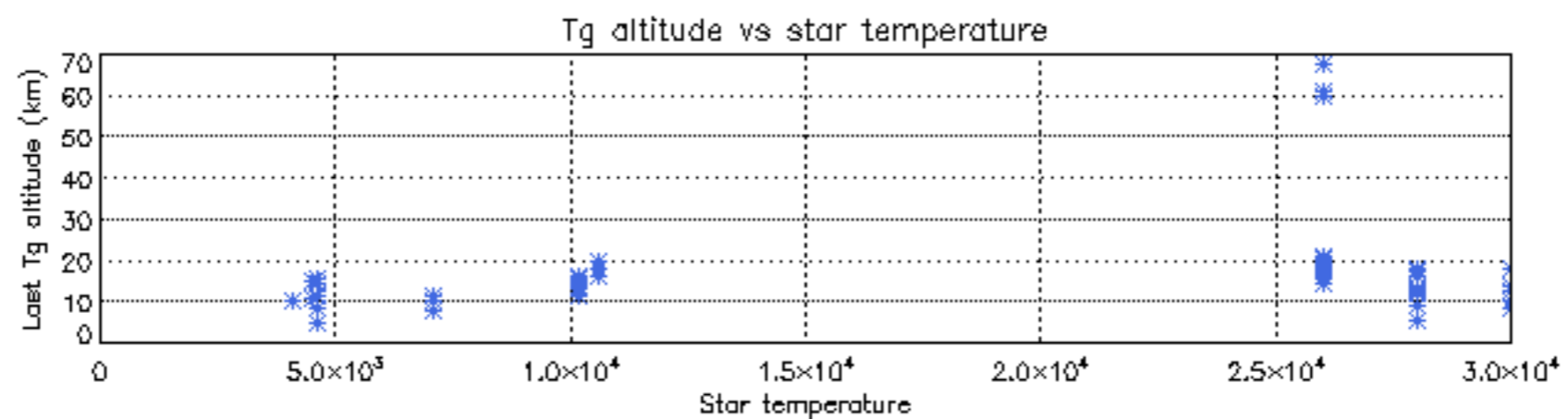
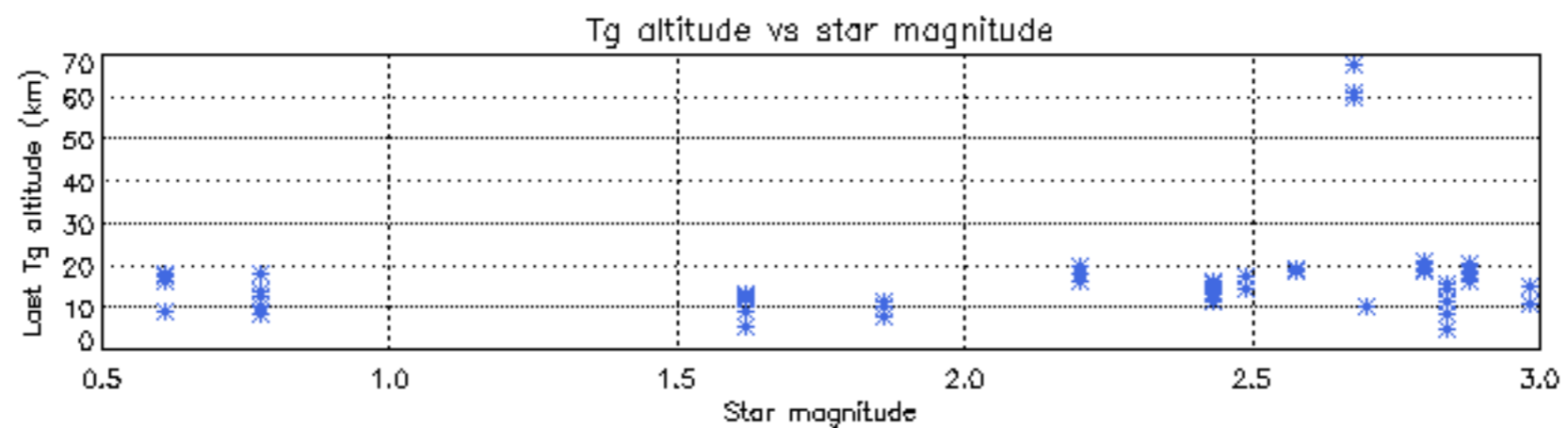
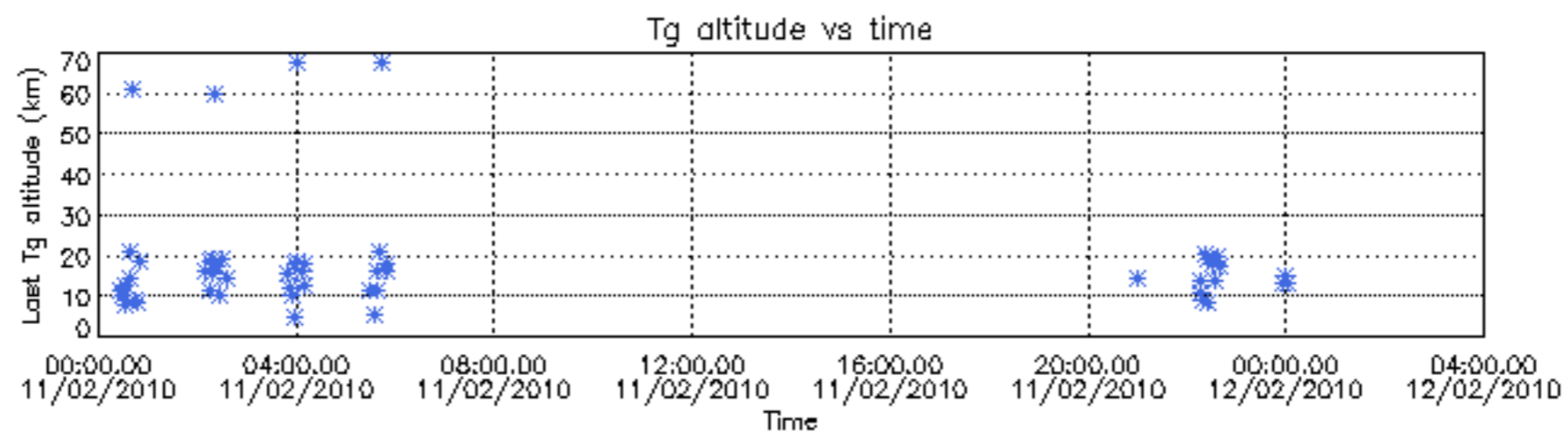
Percentage of star falling outside central band per profile



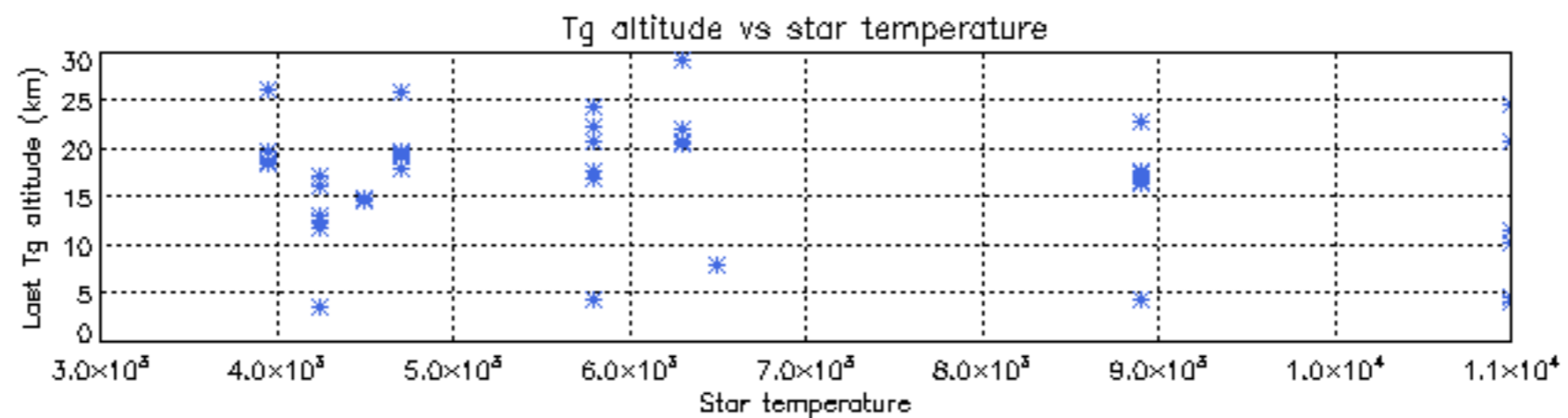
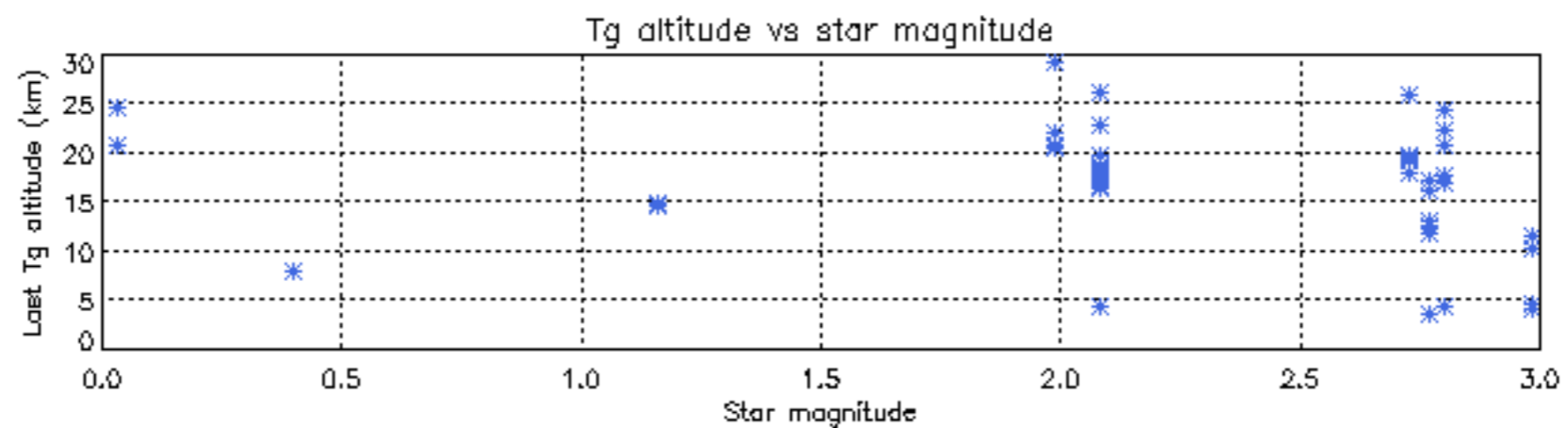
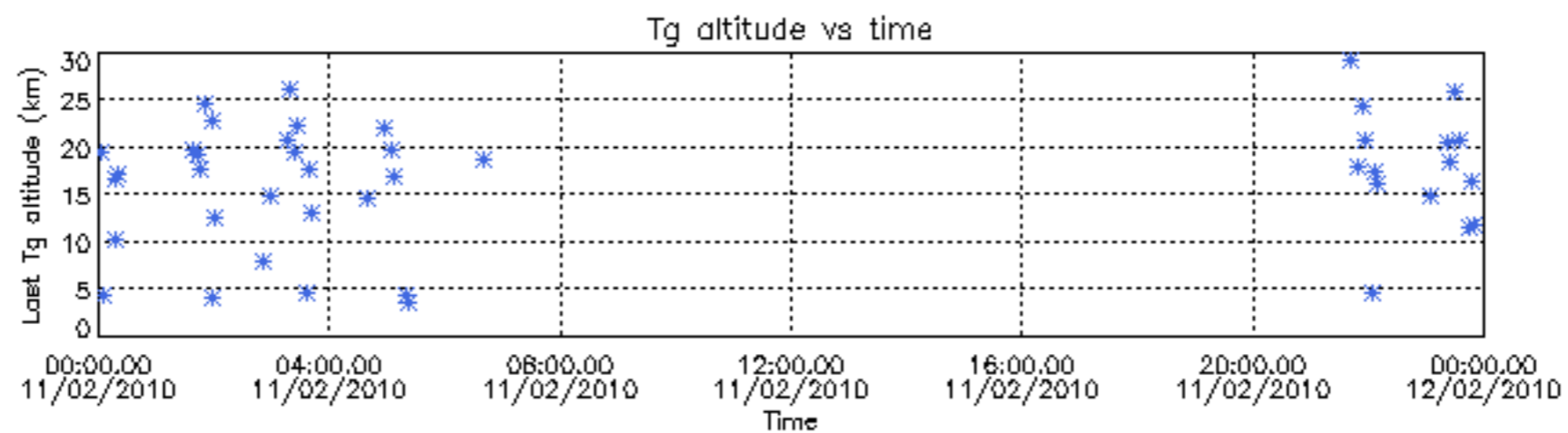
Percentage of saturation errors per profile

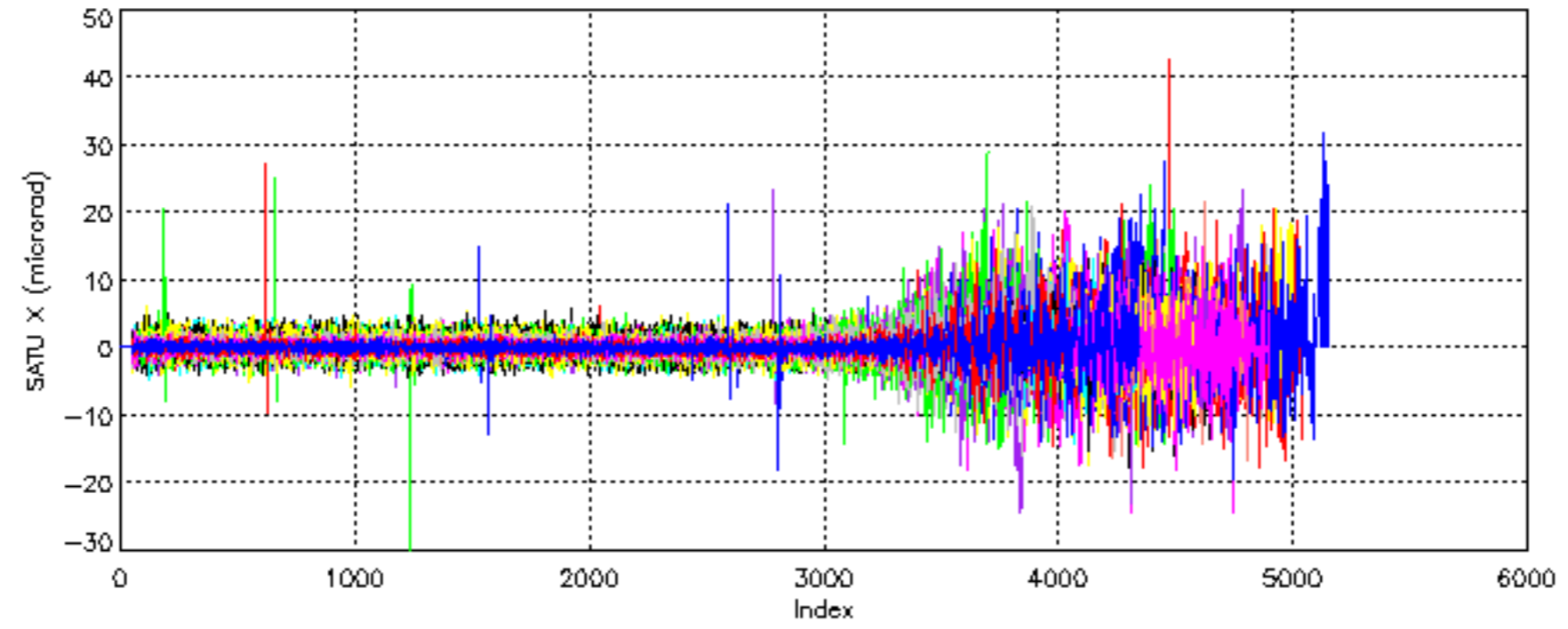


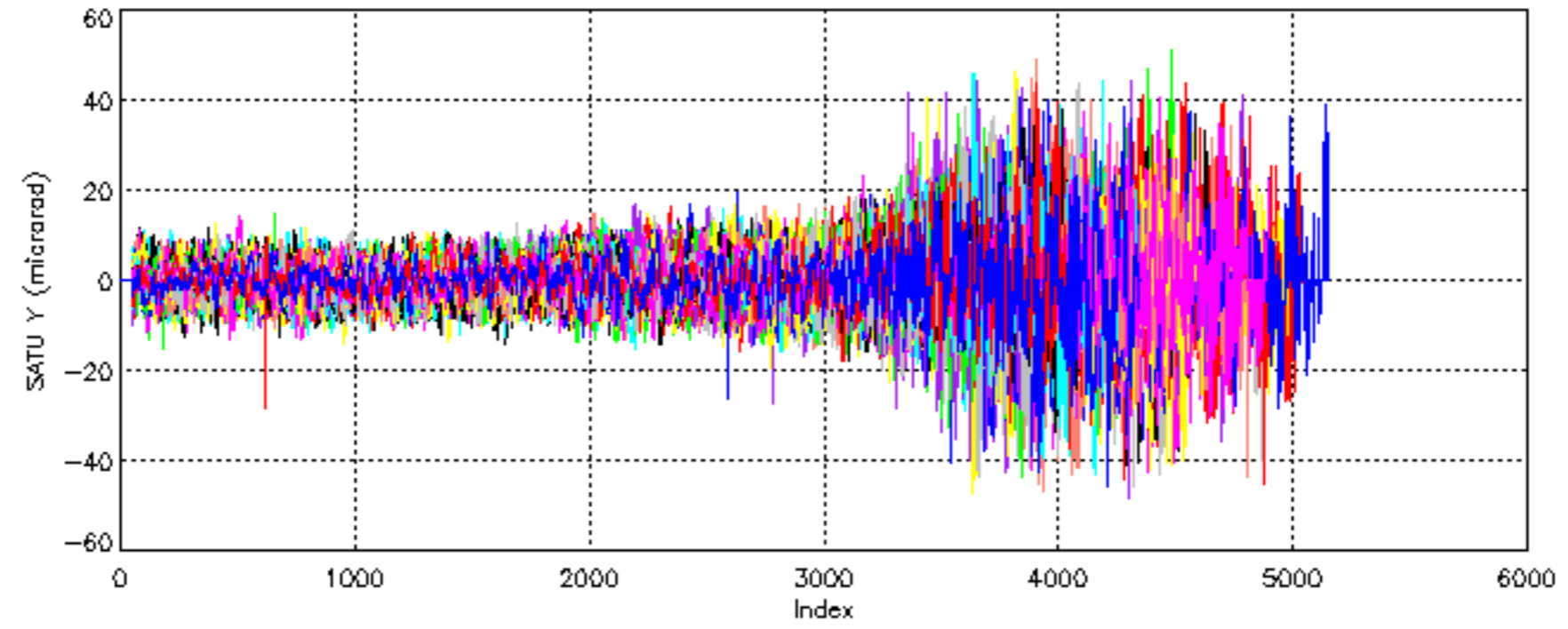
Tangent altitude at which the star is lost

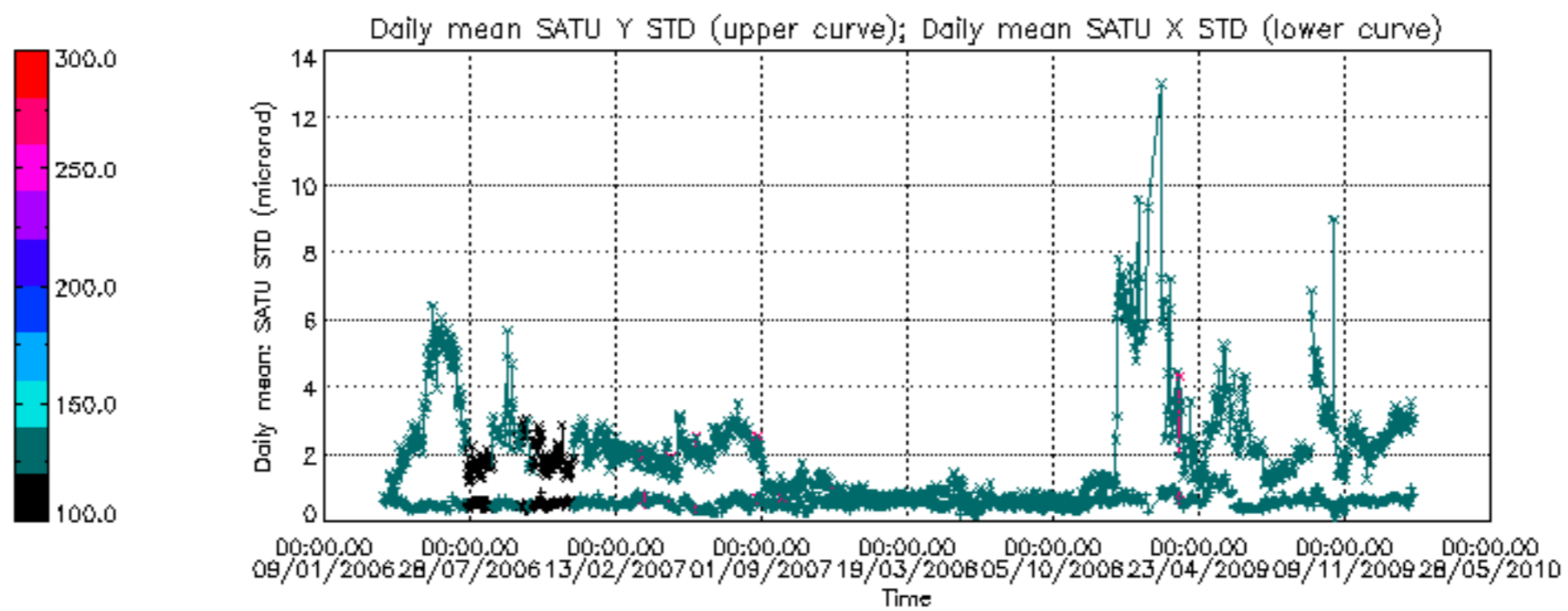


Tangent altitude at which the star is lost











/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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 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  
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 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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20; 1205.5; 01-FEB-2010 04:33:07; Dark ; 40.0; 70; Zet Pup ; 2.25; 39000;occ; 80; 0;41427
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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2; -2139.8; 01-FEB-2010 05:17:58; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;41427
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
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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
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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
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13; 4306.4; 01-FEB-2010 20:30:12; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;41436
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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
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9; 476.6; 01-FEB-2010 21:06:58; Dark ; 42.0; 12; Alp1Cru ; 0.77; 30000;occ; 84; 0;41437
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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
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16; 1469.8; 01-FEB-2010 21:23:31; Dark ; 43.0; 132; 15Rho Pup ; 2.80; 6900;occ; 86; 0;41437
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 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  
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 26; 4929.4; 01-FEB-2010 22:21:10; Bright; 35.5; 126; 60Bet Oph ; 2.77; 4250;occ; 71; 0;41437  
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 7; 274.4; 01-FEB-2010 22:44:11; Dark ; 42.5; 10; Bet Cen ; 0.61; 28000;occ; 85; 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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 22; 4086.5; 01-FEB-2010 23:47:43; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;41438  
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 26; 5321.1; 02-FEB-2010 00:08:18; Dark ; 42.0; 86; 35Eta Oph ; 2.43; 10200;occ; 84; 0;41438

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 13; 197.0; 01-FEB-2010 07:37:31; Dark ; 41.0; 4; Alp1Cen ;-0.01; 5800;occ; 82; 0;41429  
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 16; 594.7; 01-FEB-2010 07:44:08; Dark ; 45.0; 99; Del Cen ; 2.58; 26000;occ; 90; 0;41429  
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 4; 2455.6; 01-FEB-2010 08:15:09; Bright; 40.0; 24; 66Alp Gem ; 1.58; 10200;occ; 80; 0;41429  
 5; 3427.7; 01-FEB-2010 08:31:21; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;41429  
 6; 3612.6; 01-FEB-2010 08:34:26; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;41429  
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26; 7242.2; 01-FEB-2010 09:34:56; Dark ; 39.5; 70; Zet Pup ; 2.25; 39000;occ; 79; 0;41429
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 9; 4308.2; 02-FEB-2010 14:56:48; Bright; 38.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 76; 0;41447

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 12; 5326.0; 02-FEB-2010 15:13:46; Dark ; 45.0; 86; 35Eta Oph ; 2.43; 10200;occ; 90; 0;41447  
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 14; 5677.3; 02-FEB-2010 15:19:37; Dark ; 47.0; 158; 6Pi Sco ; 2.91; 28000;occ; 94; 0;41447  
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 21; 6752.0; 02-FEB-2010 15:37:32; Dark ; 37.5; 159; Ups Car ; 2.92; 7200;occ; 75; 0;41447  
 22; 6867.2; 02-FEB-2010 15:39:27; Dark ; 37.5; 71; Iot Car ; 2.25; 7700;occ; 75; 0;41447  
 23; 6971.1; 02-FEB-2010 15:41:11; Dark ; 39.0; 46; Del Vel ; 1.95; 10600;occ; 78; 0;41447  
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 4; 2343.8; 02-FEB-2010 16:04:40; Bright; 38.5; 170; 27Eps Gem ; 3.00; 9700;occ; 77; 0;41448  
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 6; 3428.3; 02-FEB-2010 16:22:44; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;41448  
 7; 3607.9; 02-FEB-2010 16:25:44; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;41448  
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 9; 4086.6; 02-FEB-2010 16:33:43; Bright; 40.5; 130; 23Bet Dra ; 2.80; 5800;occ; 81; 0;41448  
 10; 4307.9; 02-FEB-2010 16:37:24; Bright; 32.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 65; 0;41448  
 11; 4804.6; 02-FEB-2010 16:45:41; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;41448  
 12; 4933.3; 02-FEB-2010 16:47:49; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;41448  
 13; 5326.7; 02-FEB-2010 16:54:23; Dark ; 45.0; 86; 35Eta Oph ; 2.43; 10200;occ; 90; 0;41448  
 14; 5589.6; 02-FEB-2010 16:58:46; Dark ; 49.0; 16; 21Alp Sco ; 1.02; 3000;occ; 98; 0;41448  
 15; 5678.3; 02-FEB-2010 17:00:14; Dark ; 45.0; 158; 6Pi Sco ; 2.91; 28000;occ; 90; 0;41448  
 16; 6007.1; 02-FEB-2010 17:05:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41448  
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 19; 6519.1; 02-FEB-2010 17:14:15; Dark ; 45.0; 12; Alp1Cru ; 0.77; 30000;occ; 90; 0;41448  
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 21; 6752.4; 02-FEB-2010 17:18:08; Dark ; 44.5; 159; Ups Car ; 2.92; 7200;occ; 89; 0;41448  
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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  
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 8; 3607.4; 02-FEB-2010 18:06:19; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;41449  
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 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  
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 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  
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 6; 3428.1; 02-FEB-2010 19:43:56; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;41450  
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 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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 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  
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18; 3428.4; 04-FEB-2010 03:35:19; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;41469
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12; 838.0; 04-FEB-2010 04:32:44; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;41470
13; 941.5; 04-FEB-2010 04:34:28; Dark ; 40.5; 46; Del Vel ; 1.95; 10600;occ; 81; 0;41470
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13; 941.5; 04-FEB-2010 06:15:04; Dark ; 43.0; 46; Del Vel ; 1.95; 10600;occ; 86; 0;41471
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13; 4944.1; 04-FEB-2010 22:27:10; Bright; 55.0; 126; 60Bet Oph ; 2.77; 4250;occ; 110; 0;41480
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 7; 634.9; 04-FEB-2010 22:55:56; Dark ; 45.0; 99; Del Cen ; 2.58; 26000;occ; 90; 0;41481
 8; 943.9; 04-FEB-2010 23:01:05; Dark ; 40.5; 46; Del Vel ; 1.95; 10600;occ; 81; 0;41481
 9; 1098.8; 04-FEB-2010 23:03:40; Dark ; 45.5; 65; Lam Vel ; 2.20; 4400;occ; 91; 0;41481
10; 2387.1; 04-FEB-2010 23:25:09; Bright; 40.5; 17; 78Bet Gem ; 1.16; 4500;occ; 81; 0;41481

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 7; 140.4; 04-FEB-2010 07:42:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41472
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10; 838.7; 04-FEB-2010 07:53:57; Dark ; 46.0; 71; Iot Car ; 2.25; 7700;occ; 92; 0;41472
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 3; 3428.4; 04-FEB-2010 08:37:07; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;41472
 4; 3601.8; 04-FEB-2010 08:40:00; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;41472
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13; 6977.9; 04-FEB-2010 09:36:16; Dark ; 39.5; 46; Del Vel ; 1.95; 10600;occ; 79; 0;41472
14; 7132.0; 04-FEB-2010 09:38:50; Dark ; 45.0; 65; Lam Vel ; 2.20; 4400;occ; 90; 0;41472
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13; 1104.8; 06-FEB-2010 03:33:57; Dark ; 46.0; 65; Lam Vel ; 2.20; 4400;occ; 92; 0;41498
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3; 4084.5; 06-FEB-2010 21:09:36; Bright; 40.5; 130; 23Bet Dra ; 2.80; 5800;occ; 81; 0;41508
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4;-1084.0; 06-FEB-2010 07:59:16; Bright; 54.5; 126; 60Bet Oph ; 2.77; 4250;occ; 109; 0;41500  
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6; -537.5; 06-FEB-2010 08:08:22; Dark ; 43.5; 167; 10Gam2Sgr ; 2.98; 4500;occ; 87; 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  
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 3; 2005.1; 12-FEB-2010 12:23:26; Dark ; 52.0; 8; 10Alp CMi ; 0.40; 6500;occ; 104; 0;41589  
 4; 2385.4; 12-FEB-2010 12:29:46; Bright; 39.0; 17; 78Bet Gem ; 1.16; 4500;occ; 78; 0;41589  
 5; 3430.1; 12-FEB-2010 12:47:11; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;41589  
 6; 3568.9; 12-FEB-2010 12:49:29; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;41589  
 7; 3860.0; 12-FEB-2010 12:54:21; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;41589  
 8; 4078.5; 12-FEB-2010 12:57:59; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;41589  
 9; 4324.4; 12-FEB-2010 13:02:05; Bright; 41.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 83; 0;41589  
 10; 4734.8; 12-FEB-2010 13:08:55; Bright; 34.0; 168; 17Zet Aql ; 2.99; 11000;occ; 68; 0;41589  
 11; 4854.9; 12-FEB-2010 13:10:55; Bright; 62.0; 59; 55Alp Oph ; 2.08; 8900;occ; 124; 0;41589  
 12; 4989.6; 12-FEB-2010 13:13:10; Bright; 48.0; 126; 60Bet Oph ; 2.77; 4250;occ; 96; 0;41589  
 13; 5417.5; 12-FEB-2010 13:20:18; Dark ; 50.5; 86; 35Eta Oph ; 2.43; 10200;occ; 101; 0;41589  
 14; 5568.5; 12-FEB-2010 13:22:49; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;41589  
 15; 5688.6; 12-FEB-2010 13:24:49; Dark ; 44.0; 25; 35Lam Sco ; 1.62; 28000;occ; 88; 0;41589  
 16; 5767.7; 12-FEB-2010 13:26:08; Dark ; 43.0; 40; The Sco ; 1.86; 7100;occ; 86; 0;41589  
 17; 5875.2; 12-FEB-2010 13:27:56; Dark ; 41.5; 147; Alp Ara ; 2.88; 26000;occ; 83; 0;41589  
 18; 5963.8; 12-FEB-2010 13:29:24; Dark ; 37.5; 141; Bet Ara ; 2.84; 4600;occ; 75; 0;41589  
 19; 6068.8; 12-FEB-2010 13:31:09; Dark ; 47.5; 131; Gam Lup ; 2.80; 26000;occ; 95; 0;41589  
 20; 6263.9; 12-FEB-2010 13:34:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41589  
 21; 6402.9; 12-FEB-2010 13:36:43; Dark ; 50.5; 10; Bet Cen ; 0.61; 28000;occ; 101; 0;41589  
 22; 6592.5; 12-FEB-2010 13:39:53; Dark ; 53.0; 12; Alp1Cru ; 0.77; 30000;occ; 106; 0;41589  
 23; 6679.8; 12-FEB-2010 13:41:20; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;41589  
 24; 6968.1; 12-FEB-2010 13:46:09; Dark ; 38.0; 91; Kap Vel ; 2.49; 26000;occ; 76; 0;41589  
 25; 7167.2; 12-FEB-2010 13:49:28; Dark ; 44.0; 65; Lam Vel ; 2.20; 4400;occ; 88; 0;41589  
 26; 7532.8; 12-FEB-2010 13:55:33; Dark ; 43.0; 132; 15Rho Pup ; 2.80; 6900;occ; 86; 0;41589

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 2; 1739.0; 12-FEB-2010 13:59:35; Dark ; 52.0; 48; 30Alp Hya ; 1.98; 4100;occ; 104; 0;41590  
 3; 2005.3; 12-FEB-2010 14:04:02; Dark ; 52.0; 8; 10Alp CMi ; 0.40; 6500;occ; 104; 0;41590  
 4; 2385.4; 12-FEB-2010 14:10:22; Bright; 39.0; 17; 78Bet Gem ; 1.16; 4500;occ; 78; 0;41590  
 5; 3430.3; 12-FEB-2010 14:27:47; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;41590  
 6; 3568.6; 12-FEB-2010 14:30:05; Bright; 42.5; 60; 7Bet UMi ; 2.08; 3950;occ; 85; 0;41590  
 7; 3859.8; 12-FEB-2010 14:34:56; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;41590  
 8; 4078.4; 12-FEB-2010 14:38:35; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;41590  
 9; 4324.7; 12-FEB-2010 14:42:41; Bright; 40.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 81; 0;41590  
 10; 4734.8; 12-FEB-2010 14:49:31; Bright; 34.0; 168; 17Zet Aql ; 2.99; 11000;occ; 68; 0;41590  
 11; 4855.7; 12-FEB-2010 14:51:32; Bright; 45.5; 59; 55Alp Oph ; 2.08; 8900;occ; 91; 0;41590  
 12; 4989.7; 12-FEB-2010 14:53:46; Bright; 46.0; 126; 60Bet Oph ; 2.77; 4250;occ; 92; 0;41590  
 13; 5418.5; 12-FEB-2010 15:00:55; Dark ; 50.5; 86; 35Eta Oph ; 2.43; 10200;occ; 101; 0;41590  
 14; 5568.8; 12-FEB-2010 15:03:25; Dark ; 41.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 82; 0;41590  
 15; 5689.2; 12-FEB-2010 15:05:26; Dark ; 44.5; 25; 35Lam Sco ; 1.62; 28000;occ; 89; 0;41590  
 16; 5876.1; 12-FEB-2010 15:08:32; Dark ; 41.5; 147; Alp Ara ; 2.88; 26000;occ; 83; 0;41590  
 17; 5964.5; 12-FEB-2010 15:10:01; Dark ; 49.5; 141; Bet Ara ; 2.84; 4600;occ; 99; 0;41590  
 18; 6069.7; 12-FEB-2010 15:11:46; Dark ; 46.5; 131; Gam Lup ; 2.80; 26000;occ; 93; 0;41590  
 19; 6264.8; 12-FEB-2010 15:15:01; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41590  
 20; 6403.8; 12-FEB-2010 15:17:20; Dark ; 45.5; 10; Bet Cen ; 0.61; 28000;occ; 91; 0;41590  
 21; 6593.0; 12-FEB-2010 15:20:29; Dark ; 50.0; 12; Alp1Cru ; 0.77; 30000;occ; 100; 0;41590  
 22; 6680.8; 12-FEB-2010 15:21:57; Dark ; 46.5; 64; Gam Cen ; 2.20; 10600;occ; 93; 0;41590  
 23; 6968.3; 12-FEB-2010 15:26:45; Dark ; 38.0; 91; Kap Vel ; 2.49; 26000;occ; 76; 0;41590  
 24; 7167.4; 12-FEB-2010 15:30:04; Dark ; 47.0; 65; Lam Vel ; 2.20; 4400;occ; 94; 0;41590

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1; 1496.9; 12-FEB-2010 15:36:09; Dark ; 43.5; 132; 15Rho Pup ; 2.80; 6900;occ; 87; 0;41591  
 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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1; 1154.7; 12-FEB-2010 17:11:03; Dark ; 49.0; 65; Lam Vel ; 2.20; 4400;occ; 98; 46;41592  
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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
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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
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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
35; 8421.5; 13-FEB-2010 03:35:09; Bright; 39.0; 17; 78Bet Gem ; 1.16; 4500;occ; 78; 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
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4; 4074.5; 15-FEB-2010 08:01:52; Bright; 43.5; 130; 23Bet Dra ; 2.80; 5800;occ; 87; 0;41629
5; 4192.3; 15-FEB-2010 08:03:50; Bright; 33.5; 144; 18Del Cyg ; 2.86; 11000;occ; 67; 0;41629
6; 4328.2; 15-FEB-2010 08:06:05; Bright; 38.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 77; 0;41629

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9; 5449.9; 15-FEB-2010 08:24:47; Dark ; 51.0; 86; 35Eta Oph ; 2.43; 10200;occ; 102; 0;41629  
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13; 5892.9; 15-FEB-2010 08:32:10; Dark ; 40.0; 147; Alp Ara ; 2.88; 26000;occ; 80; 0;41629  
14; 6109.6; 15-FEB-2010 08:35:47; Dark ; 45.0; 131; Gam Lup ; 2.80; 26000;occ; 90; 0;41629  
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22; 7177.7; 15-FEB-2010 08:53:35; Dark ; 45.5; 65; Lam Vel ; 2.20; 4400;occ; 91; 0;41629  
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6; 4328.4; 15-FEB-2010 09:46:42; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;41630  
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13; 5893.5; 15-FEB-2010 10:12:47; Dark ; 39.0; 147; Alp Ara ; 2.88; 26000;occ; 78; 0;41630  
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5; 4192.4; 15-FEB-2010 11:25:01; Bright; 34.0; 144; 18Del Cyg ; 2.86; 11000;occ; 68; 0;41631  
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9; 5451.7; 15-FEB-2010 11:46:01; Dark ; 52.0; 86; 35Eta Oph ; 2.43; 10200;occ; 104; 0;41631  
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22; 6979.2; 15-FEB-2010 12:11:28; Dark ; 38.0; 91; Kap Vel ; 2.49; 26000;occ; 76; 0;41631  
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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
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6; 4328.9; 15-FEB-2010 14:48:30; Bright; 35.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 70; 0;41633
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7; 4744.7; 15-FEB-2010 16:36:01; Bright; 52.0; 168; 17Zet Aql ; 2.99; 11000;occ; 104; 0;41634
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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
6; 5021.1; 16-FEB-2010 21:10:49; Dark ; 51.0; 126; 60Bet Oph ; 2.77; 4250;occ; 102; 0;41651
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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
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9; 1740.3; 16-FEB-2010 21:56:44; Dark ; 48.0; 48; 30Alp Hya ; 1.98; 4100;occ; 96; 0;41652
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6; 688.2; 16-FEB-2010 11:35:36; Dark ; 51.5; 64; Gam Cen ; 2.20; 10600;occ; 103; 0;41646
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4; 4330.3; 16-FEB-2010 15:57:30; Bright; 35.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 71; 0;41648
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6; 5443.1; 16-FEB-2010 16:16:03; Dark ; 41.0; 137; 22Lam Sgr ; 2.82; 4400;occ; 82; 0;41648
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8; 5721.8; 16-FEB-2010 16:20:41; Dark ; 44.0; 25; 35Lam Sco ; 1.62; 28000;occ; 88; 0;41648
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3; 4072.2; 16-FEB-2010 17:33:48; Bright; 41.0; 130; 23Bet Dra ; 2.80; 5800;occ; 82; 0;41649
4; 4330.7; 16-FEB-2010 17:38:06; Bright; 42.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 84; 0;41649
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6; 5590.1; 16-FEB-2010 17:59:06; Dark ; 43.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 87; 0;41649
7; 5722.6; 16-FEB-2010 18:01:18; Dark ; 44.0; 25; 35Lam Sco ; 1.62; 28000;occ; 88; 0;41649
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11; 6524.2; 16-FEB-2010 18:14:40; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;41649
12; 6622.3; 16-FEB-2010 18:16:18; Dark ; 42.5; 12; Alp1Cru ; 0.77; 30000;occ; 85; 0;41649
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7; 6097.5; 16-FEB-2010 19:48:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41650
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4; 4331.0; 17-FEB-2010 13:45:18; Bright; 40.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 80; 0;41661
5; 5026.7; 17-FEB-2010 13:56:53; Dark ; 51.5; 126; 60Bet Oph ; 2.77; 4250;occ; 103; 0;41661
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5; 415.3; 18-FEB-2010 00:24:14; Dark ; 50.5; 10; Bet Cen ; 0.61; 28000;occ; 101; 0;41668
6; 501.9; 18-FEB-2010 00:25:40; Dark ; 46.5; 77; Eps Cen ; 2.30; 28000;occ; 93; 0;41668
7; 595.1; 18-FEB-2010 00:27:13; Dark ; 51.5; 12; Alp1Cru ; 0.77; 30000;occ; 103; 0;41668
8; 704.1; 18-FEB-2010 00:29:02; Dark ; 47.5; 64; Gam Cen ; 2.20; 10600;occ; 95; 0;41668
9; 938.4; 18-FEB-2010 00:32:57; Dark ; 43.5; 113; Mu Vel ; 2.69; 5000;occ; 87; 0;41668
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12; 4069.6; 18-FEB-2010 01:25:08; Bright; 41.0; 130; 23Bet Dra ; 2.80; 5800;occ; 82; 0;41668
13; 4331.8; 18-FEB-2010 01:29:30; Bright; 37.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 75; 0;41668
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3; 70.2; 18-FEB-2010 01:59:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41669
4; 336.6; 18-FEB-2010 02:03:31; Dark ; 41.5; 4; Alp1Cen ;-0.01; 5800;occ; 83; 0;41669
5; 416.0; 18-FEB-2010 02:04:50; Dark ; 44.0; 10; Bet Cen ; 0.61; 28000;occ; 88; 0;41669
6; 502.9; 18-FEB-2010 02:06:17; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;41669
7; 595.4; 18-FEB-2010 02:07:50; Dark ; 49.5; 12; Alp1Cru ; 0.77; 30000;occ; 99; 0;41669
8; 704.8; 18-FEB-2010 02:09:39; Dark ; 50.5; 64; Gam Cen ; 2.20; 10600;occ; 101; 0;41669
9; 938.8; 18-FEB-2010 02:13:33; Dark ; 43.0; 113; Mu Vel ; 2.69; 5000;occ; 86; 0;41669
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7; 70.7; 18-FEB-2010 03:39:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41670
8; 337.3; 18-FEB-2010 03:44:07; Dark ; 42.5; 4; Alp1Cen ;-0.01; 5800;occ; 85; 0;41670
9; 416.8; 18-FEB-2010 03:45:27; Dark ; 43.0; 10; Bet Cen ; 0.61; 28000;occ; 86; 0;41670
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11; 595.9; 18-FEB-2010 03:48:26; Dark ; 39.5; 12; Alp1Cru ; 0.77; 30000;occ; 79; 0;41670
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13; 939.6; 18-FEB-2010 03:54:10; Dark ; 44.0; 113; Mu Vel ; 2.69; 5000;occ; 88; 0;41670
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4; -218.3; 18-FEB-2010 05:15:28; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;41670
5; 71.2; 18-FEB-2010 05:20:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41671
6; 337.9; 18-FEB-2010 05:24:44; Dark ; 42.0; 4; Alp1Cen ;-0.01; 5800;occ; 84; 0;41671
7; 417.5; 18-FEB-2010 05:26:04; Dark ; 42.5; 10; Bet Cen ; 0.61; 28000;occ; 85; 0;41671
8; 504.5; 18-FEB-2010 05:27:31; Dark ; 45.0; 77; Eps Cen ; 2.30; 28000;occ; 90; 0;41671
9; 596.6; 18-FEB-2010 05:29:03; Dark ; 40.0; 12; Alp1Cru ; 0.77; 30000;occ; 80; 0;41671
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11; 939.8; 18-FEB-2010 05:34:46; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;41671
12; 1741.3; 18-FEB-2010 05:48:07; Dark ; 50.5; 48; 30Alp Hya ; 1.98; 4100;occ; 101; 0;41671
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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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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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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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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
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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
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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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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
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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
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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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6; 5820.9; 18-FEB-2010 11:57:55; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;41674
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9; 6455.5; 18-FEB-2010 12:08:29; Dark ; 44.5; 10; Bet Cen ; 0.61; 28000;occ; 89; 0;41674
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4; -291.6; 19-FEB-2010 04:42:37; Dark ; 45.5; 25; 35Lam Sco ; 1.62; 28000;occ; 91; 0;41684
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6; 84.1; 19-FEB-2010 21:34:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 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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 4; 4333.7; 19-FEB-2010 14:22:42; Bright; 39.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 79; 0;41690  
 5; 4757.9; 19-FEB-2010 14:29:47; Bright; 35.5; 168; 17Zet Aql ; 2.99; 11000;occ; 71; 0;41690  
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 9; 6386.1; 19-FEB-2010 14:56:55; Dark ; 43.0; 4; Alp1Cen ;-0.01; 5800;occ; 86; 0;41690  
 10; 6465.5; 19-FEB-2010 14:58:14; Dark ; 44.0; 10; Bet Cen ; 0.61; 28000;occ; 88; 0;41690  
 11; 6555.6; 19-FEB-2010 14:59:44; Dark ; 44.0; 77; Eps Cen ; 2.30; 28000;occ; 88; 0;41690  
 12; 6757.0; 19-FEB-2010 15:03:06; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;41690  
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 4; 4333.7; 19-FEB-2010 16:03:18; Bright; 42.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 85; 0;41691  
 5; 4758.3; 19-FEB-2010 16:10:23; Bright; 52.5; 168; 17Zet Aql ; 2.99; 11000;occ; 105; 0;41691  
 6; 5749.0; 19-FEB-2010 16:26:54; Dark ; 44.5; 25; 35Lam Sco ; 1.62; 28000;occ; 89; 0;41691  
 7; 5836.4; 19-FEB-2010 16:28:21; Dark ; 51.0; 75; 26Eps Sco ; 2.29; 4250;occ; 102; 0;41691  
 8; 6118.5; 19-FEB-2010 16:33:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41691  
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 12; 6642.3; 19-FEB-2010 16:41:47; Dark ; 40.0; 12; Alp1Cru ; 0.77; 30000;occ; 80; 0;41691  
 13; 6757.9; 19-FEB-2010 16:43:42; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;41691  
 14; 6984.8; 19-FEB-2010 16:47:29; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;41691  
 15; 7192.3; 19-FEB-2010 16:50:57; Dark ; 16.5; 65; Lam Vel ; 2.20; 4400;occ; 33; 0;41691

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 3; 3431.7; 19-FEB-2010 17:28:52; Bright; 38.0; 49; 1Alp UMi ; 1.99; 6300;occ; 76; 0;41692  
 4; 3537.4; 19-FEB-2010 17:30:38; Bright; 43.0; 60; 7Bet UMi ; 2.08; 3950;occ; 86; 0;41692  
 5; 4065.9; 19-FEB-2010 17:39:26; Bright; 46.0; 130; 23Bet Dra ; 2.80; 5800;occ; 92; 0;41692  
 6; 4199.9; 19-FEB-2010 17:41:41; Bright; 36.0; 144; 18Del Cyg ; 2.86; 11000;occ; 72; 0;41692  
 7; 4333.7; 19-FEB-2010 17:43:54; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;41692  
 8; 4758.5; 19-FEB-2010 17:50:59; Bright; 54.0; 168; 17Zet Aql ; 2.99; 11000;occ; 108; 0;41692  
 9; 5334.4; 19-FEB-2010 18:00:35; Dark ; 42.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 84; 0;41692  
 10; 5436.2; 19-FEB-2010 18:02:17; Dark ; 42.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 85; 0;41692  
 11; 5749.8; 19-FEB-2010 18:07:30; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;41692  
 12; 5837.4; 19-FEB-2010 18:08:58; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;41692  
 13; 6007.2; 19-FEB-2010 18:11:48; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;41692  
 14; 6119.0; 19-FEB-2010 18:13:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41692  
 15; 6387.1; 19-FEB-2010 18:18:08; Dark ; 47.0; 4; Alp1Cen ;-0.01; 5800;occ; 94; 0;41692  
 16; 6466.8; 19-FEB-2010 18:19:27; Dark ; 47.5; 10; Bet Cen ; 0.61; 28000;occ; 95; 0;41692  
 17; 6643.0; 19-FEB-2010 18:22:24; Dark ; 40.0; 12; Alp1Cru ; 0.77; 30000;occ; 80; 0;41692  
 18; 6758.6; 19-FEB-2010 18:24:19; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;41692  
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 4; 3537.0; 19-FEB-2010 19:11:14; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;41693  
 5; 4065.6; 19-FEB-2010 19:20:02; Bright; 42.0; 130; 23Bet Dra ; 2.80; 5800;occ; 84; 0;41693  
 6; 4333.6; 19-FEB-2010 19:24:30; Bright; 43.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 86; 0;41693  
 7; 4758.7; 19-FEB-2010 19:31:35; Bright; 54.0; 168; 17Zet Aql ; 2.99; 11000;occ; 108; 0;41693  
 8; 5334.5; 19-FEB-2010 19:41:11; Dark ; 42.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 85; 0;41693  
 9; 5436.4; 19-FEB-2010 19:42:53; Dark ; 40.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 80; 0;41693  
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 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  
 14; 6387.8; 19-FEB-2010 19:58:44; Dark ; 41.0; 4; Alp1Cen ;-0.01; 5800;occ; 82; 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
5; 4334.4; 20-FEB-2010 10:29:54; Bright; 38.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 77; 0;41702
6; 4760.8; 20-FEB-2010 10:37:01; Bright; 35.0; 168; 17Zet Aql ; 2.99; 11000;occ; 70; 0;41702
7; 5756.1; 20-FEB-2010 10:53:36; Dark ; 45.0; 25; 35Lam Sco ; 1.62; 28000;occ; 90; 0;41702
8; 5846.6; 20-FEB-2010 10:55:07; Dark ; 51.5; 75; 26Eps Sco ; 2.29; 4250;occ; 103; 0;41702
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2; 2355.4; 20-FEB-2010 11:37:31; Bright; 43.0; 166; 17Eps Leo ; 2.98; 6000;occ; 86; 0;41703
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4; 4092.4; 20-FEB-2010 12:06:28; Bright; 42.5; 69; 33Gam Dra ; 2.23; 3800;occ; 85; 0;41703
5; 4334.3; 20-FEB-2010 12:10:30; Bright; 40.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 81; 0;41703
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5; 4088.4; 22-FEB-2010 21:06:46; Bright; 43.5; 69; 33Gam Dra ; 2.23; 3800;occ; 87; 0;41737
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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9; 3102.1; 22-FEB-2010 22:30:55; Bright; 41.5; 36; 50Alp UMa ; 1.80; 6300;occ; 83; 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
4; 458.7; 22-FEB-2010 23:27:28; Dark ; 46.0; 10; Bet Cen ; 0.61; 28000;occ; 92; 0;41739
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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9; 3101.8; 23-FEB-2010 00:11:31; Bright; 44.0; 36; 50Alp UMa ; 1.80; 6300;occ; 88; 0;41739
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3; 750.3; 22-FEB-2010 11:48:08; Dark ; 50.0; 64; Gam Cen ; 2.20; 10600;occ; 100; 0;41732
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3; 3105.2; 22-FEB-2010 12:27:23; Bright; 42.0; 36; 50Alp UMa ; 1.80; 6300;occ; 84; 0;41732
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21; 2847.3; 26-FEB-2010 06:55:26; Bright; 48.5; 174; 52Psi UMa ; 3.00; 4400;occ; 97; 0;41786
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23; 3092.5; 26-FEB-2010 06:59:31; Bright; 31.0; 87; 64Gam UMa ; 2.43; 11000;occ; 62; 0;41786
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4;-1696.4; 26-FEB-2010 07:20:18; Bright; 42.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 84; 0;41786
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12; 248.1; 26-FEB-2010 07:52:42; Dark ; 49.0; 131; Gam Lup ; 2.80; 26000;occ; 98; 0;41787  
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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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21; 6523.8; 26-FEB-2010 09:37:18; Dark ; 51.0; 10; Bet Cen ; 0.61; 28000;occ; 102; 0;41787  
22; 6626.9; 26-FEB-2010 09:39:01; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;41787  
23; 6743.7; 26-FEB-2010 09:40:58; Dark ; 43.0; 26; Gam Cru ; 1.62; 2900;occ; 86; 0;41787  
24; 6823.4; 26-FEB-2010 09:42:18; Dark ; 44.0; 64; Gam Cen ; 2.20; 10600;occ; 88; 0;41787  
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6; 3090.1; 26-FEB-2010 12:01:16; Bright; 35.0; 87; 64Gam UMa ; 2.43; 11000;occ; 70; 0;41789  
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24; 6824.9; 26-FEB-2010 13:03:31; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;41789

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