

# GOMOS Daily Report 26-JAN-2010

## Level 0 and Level 1 products

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

Item	Value
Time of report generation	03FEB2010 05:07:08
Data source version	GOMOS/5.00L04
Start time of products	26JAN2010 00:00:18
Stop time of products	26JAN2010 23:56:09
Store outputs in DB	Yes
Nb of level 1b prods	170
Nb of prods with errors	2

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

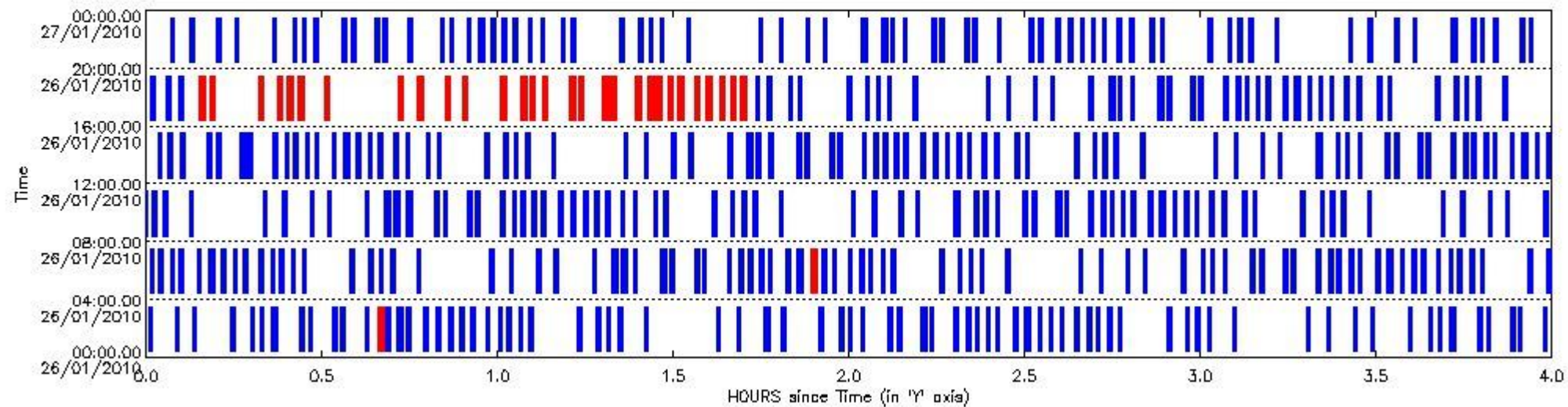
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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
26-JAN-2010 00:39:29	BetLup	109	41338
26-JAN-2010 05:53:34	UpsCar	159	41342
26-JAN-2010 16:09:07	31EtaCMa	88	41348
26-JAN-2010 16:10:53	24Omi2CMa	179	41348
26-JAN-2010 16:19:04	10AlpCMi	8	41348
26-JAN-2010 16:22:20	24GamGem	44	41348
26-JAN-2010 16:24:07	13MuGem	151	41348
26-JAN-2010 16:25:58	78BetGem	17	41348
26-JAN-2010 16:30:29	34BetAur	42	41348
26-JAN-2010 16:42:56	1AlpUMi	49	41348
26-JAN-2010 16:46:21	7BetUMi	60	41348
26-JAN-2010 16:50:58	14EtaDra	119	41348
26-JAN-2010 16:53:56	23BetDra	130	41348
26-JAN-2010 17:00:26	40ZetHer	133	41348
26-JAN-2010 17:03:50	27BetHer	127	41348

26-JAN-2010 17:05:26	55AlpOph	59	41348
26-JAN-2010 17:07:33	60BetOph	126	41348
26-JAN-2010 17:12:14	1DelOph	120	41348
26-JAN-2010 17:13:49	35EtaOph	86	41348
26-JAN-2010 17:17:53	21AlpSco	16	41348
26-JAN-2010 17:19:15	26EpsSco	75	41348
26-JAN-2010 17:23:31	GamLup	131	41348
26-JAN-2010 17:25:36	BetLup	109	41348
26-JAN-2010 17:27:04	AlpLup	78	41349
26-JAN-2010 17:29:00	Alp1Cen	4	41349
26-JAN-2010 17:30:37	EpsCen	77	41349
26-JAN-2010 17:33:34	Alp1Cru	12	41349
26-JAN-2010 17:35:34	DSA1053	0	41349
26-JAN-2010 17:37:48	UpsCar	159	41349
26-JAN-2010 17:39:43	IotCar	71	41349
26-JAN-2010 17:41:30	DelVel	46	41349

## 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_1PNPDE20100126_000018_000000352086_00202_41338_6756.N1	26-JAN-2010 00:00:18	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	41338	No
2	GOM_TRA_1PNPDE20100126_000454_000000392086_00202_41338_6757.N1	26-JAN-2010 00:04:54	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	41338	No
3	GOM_TRA_1PNPDE20100126_000751_000000382086_00202_41338_6758.N1	26-JAN-2010 00:07:51	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	41338	No
4	GOM_TRA_1PNPDE20100126_001419_000000582086_00202_41338_6759.N1	26-JAN-2010 00:14:19	Bright	58.000	133	40Zet Her	2.8070	6000.0	116	41338	No
5	GOM_TRA_1PNPDE20100126_001742_000000432086_00202_41338_6760.N1	26-JAN-2010 00:17:42	Bright	43.000	127	27Bet Her	2.7810	4700.0	86	41338	No
6	GOM_TRA_1PNPDE20100126_001919_000000352086_00202_41338_6761.N1	26-JAN-2010 00:19:19	Bright	35.000	59	55Alp Oph	2.0800	8900.0	70	41338	No
7	GOM_TRA_1PNPDE20100126_002126_000000522086_00202_41338_6762.N1	26-JAN-2010 00:21:26	Bright	52.000	126	60Bet Oph	2.7700	4250.0	104	41338	No
8	GOM_TRA_1PNPDE20100126_002603_000000542086_00202_41338_6763.N1	26-JAN-2010 00:26:03	Twilight	53.500	120	1Del Oph	2.7340	3200.0	107	41338	No
9	GOM_TRA_1PNPDE20100126_002740_000000442086_00202_41338_6755.N1	26-JAN-2010 00:27:40	Bright	44.000	86	35Eta Oph	2.4300	10200.	88	41338	Yes
10	GOM_TRA_1PNPDE20100126_003143_000000472086_00202_41338_6756.N1	26-JAN-2010 00:31:43	Dark	46.500	16	21Alp Sco	1.0200	3000.0	93	41338	No
11	GOM_TRA_1PNPDE20100126_003306_000000432086_00202_41338_6757.N1	26-JAN-2010 00:33:06	Dark	43.000	75	26Eps Sco	2.2910	4250.0	86	41338	No
12	GOM_TRA_1PNPDE20100126_003719_000000452086_00202_41338_6758.N1	26-JAN-2010 00:37:19	Dark	44.500	131	Gam Lup	2.8000	26000.	89	41338	No
13	GOM_TRA_1PNPDE20100126_004051_000000472086_00203_41339_6759.N1	26-JAN-2010 00:40:51	Dark	47.000	78	Alp Lup	2.3040	28000.	94	41339	No
14	GOM_TRA_1PNPDE20100126_004250_000000552086_00203_41339_6760.N1	26-JAN-2010 00:42:50	Dark	55.000	4	Alp1Cen	-0.010000	5800.0	110	41339	No
15	GOM_TRA_1PNPDE20100126_004425_000000442086_00203_41339_6761.N1	26-JAN-2010 00:44:25	Dark	43.500	77	Eps Cen	2.3030	28000.	87	41339	No
16	GOM_TRA_1PNPDE20100126_004724_000000432086_00203_41339_6762.N1	26-JAN-2010 00:47:24	Dark	42.500	12	Alp1Cru	0.77500	30000.	85	41339	No
17	GOM_TRA_1PNPDE20100126_005140_000000392086_00203_41339_6763.N1	26-JAN-2010 00:51:40	Dark	38.500	159	Ups Car	2.9200	7200.0	77	41339	No
18	GOM_TRA_1PNPDE20100126_005334_000000412086_00203_41339_6764.N1	26-JAN-2010 00:53:34	Dark	41.000	71	Iot Car	2.2460	7700.0	82	41339	No
19	GOM_TRA_1PNPDE20100126_005522_000000422086_00203_41339_6765.N1	26-JAN-2010 00:55:22	Dark	42.000	46	Del Vel	1.9540	10600.	84	41339	No
20	GOM_TRA_1PNPDE20100126_005757_000000442086_00203_41339_6766.N1	26-JAN-2010 00:57:57	Dark	43.500	34	Gam2Vel	1.7930	23000.	87	41339	No
21	GOM_TRA_1PNPDE20100126_010004_000000402086_00203_41339_6767.N1	26-JAN-2010 01:00:04	Straylight	39.500	70	Zet Pup	2.2460	39000.	79	41339	No
22	GOM_TRA_1PNPDE20100126_010132_000000432086_00203_41339_6768.N1	26-JAN-2010 01:01:32	Straylight	43.000	117	Pi Pup	2.7060	3800.0	86	41339	No
23	GOM_TRA_1PNPDE20100126_010336_000000412086_00203_41339_6769.N1	26-JAN-2010 01:03:36	Straylight	40.500	88	31Eta CMa	2.4480	20000.	81	41339	No
24	GOM_TRA_1PNPDE20100126_010522_000000402086_00203_41339_6770.N1	26-JAN-2010 01:05:22	Straylight	40.000	179	24Omi2CMa	3.0320	24000.	80	41339	No
25	GOM_TRA_1PNPDE20100126_011335_000000512086_00203_41339_6771.N1	26-JAN-2010 01:13:35	Twilight	50.500	8	10Alp CMi	0.40000	6500.0	101	41339	No
26	GOM_TRA_1PNPDE20100126_011649_000000412086_00203_41339_6772.N1	26-JAN-2010 01:16:49	Bright	41.000	44	24Gam Gem	1.9280	11000.	82	41339	No
27	GOM_TRA_1PNPDE20100126_011837_000000402086_00203_41339_6773.N1	26-JAN-2010 01:18:37	Bright	40.000	151	13Mu Gem	2.8900	3000.0	80	41339	No
28	GOM_TRA_1PNPDE20100126_012031_000000452086_00203_41339_6774.N1	26-JAN-2010 01:20:31	Bright	44.500	17	78Bet Gem	1.1610	4500.0	89	41339	No
29	GOM_TRA_1PNPDE20100126_012459_000000372086_00203_41339_6775.N1	26-JAN-2010 01:24:59	Bright	37.000	42	34Bet Aur	1.9000	10200.	74	41339	No
30	GOM_TRA_1PNPDE20100126_013727_000000362086_00203_41339_6776.N1	26-JAN-2010 01:37:27	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	41339	No
31	GOM_TRA_1PNPDE20100126_014054_000000372086_00203_41339_6777.N1	26-JAN-2010 01:40:54	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	41339	No
32	GOM_TRA_1PNPDE20100126_014530_000000562086_00203_41339_6778.N1	26-JAN-2010 01:45:30	Bright	56.000	119	14Eta Dra	2.7270	4700.0	112	41339	No
33	GOM_TRA_1PNPDE20100126_014827_000000412086_00203_41339_6779.N1	26-JAN-2010 01:48:27	Bright	40.500	130	23Bet Dra	2.7990	5800.0	81	41339	No
34	GOM_TRA_1PNPDE20100126_015455_000000412086_00203_41339_6780.N1	26-JAN-2010 01:54:55	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	41339	No
35	GOM_TRA_1PNPDE20100126_015819_000000452086_00203_41339_6781.N1	26-JAN-2010 01:58:19	Bright	44.500	127	27Bet Her	2.7810	4700.0	89	41339	No
36	GOM_TRA_1PNPDE20100126_015955_000000362086_00203_41339_6782.N1	26-JAN-2010 01:59:55	Bright	35.500	59	55Alp Oph	2.0800	8900.0	71	41339	No
37	GOM_TRA_1PNPDE20100126_020202_000000342086_00203_41339_6783.N1	26-JAN-2010 02:02:02	Bright	33.500	126	60Bet Oph	2.7700	4250.0	67	41339	No
38	GOM_TRA_1PNPDE20100126_020639_000000522086_00203_41339_6773.N1	26-JAN-2010 02:06:39	Twilight	51.500	120	1Del Oph	2.7340	3200.0	103	41339	No

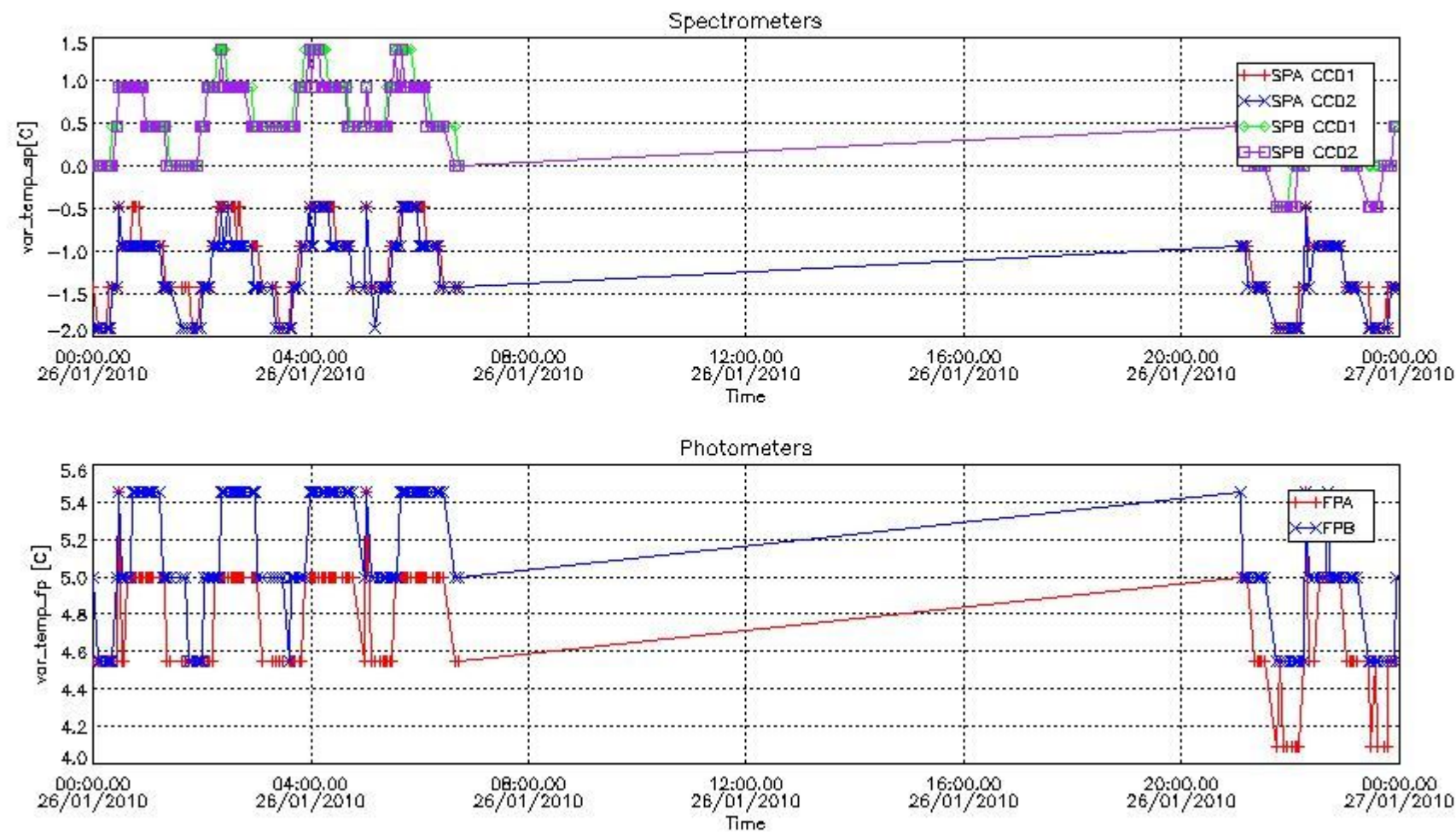
39	GOM_TRA_1PNPDE20100126_020816_000000422086_00203_41339_6774.N1	26-JAN-2010 02:08:16	Twilight	42.000	86	35Eta Oph	2.4300	10200.	84	41339	No
40	GOM_TRA_1PNPDE20100126_021219_000000552086_00203_41339_6775.N1	26-JAN-2010 02:12:19	Dark	55.000	16	21Alp Sco	1.0200	3000.0	110	41339	No
41	GOM_TRA_1PNPDE20100126_021342_000000432086_00203_41339_6776.N1	26-JAN-2010 02:13:42	Dark	42.500	75	26Eps Sco	2.2910	4250.0	85	41339	No
42	GOM_TRA_1PNPDE20100126_021756_000000432086_00203_41339_6777.N1	26-JAN-2010 02:17:56	Dark	43.000	131	Gam Lup	2.8000	26000.	86	41339	No
43	GOM_TRA_1PNPDE20100126_022000_000000432086_00203_41339_6778.N1	26-JAN-2010 02:20:00	Dark	43.000	109	Bet Lup	2.6770	26000.	86	41339	No
44	GOM_TRA_1PNPDE20100126_022128_000000442086_00204_41340_6779.N1	26-JAN-2010 02:21:28	Dark	44.000	78	Alp Lup	2.3040	28000.	88	41340	No
45	GOM_TRA_1PNPDE20100126_022326_000000412086_00204_41340_6780.N1	26-JAN-2010 02:23:26	Dark	41.000	4	Alp1Cen	-0.010000	5800.0	82	41340	No
46	GOM_TRA_1PNPDE20100126_022501_000000432086_00204_41340_6781.N1	26-JAN-2010 02:25:01	Dark	43.000	77	Eps Cen	2.3030	28000.	86	41340	No
47	GOM_TRA_1PNPDE20100126_022800_000000442086_00204_41340_6782.N1	26-JAN-2010 02:28:00	Dark	43.500	12	Alp1Cru	0.77500	30000.	87	41340	No
48	GOM_TRA_1PNPDE20100126_023216_000000422086_00204_41340_6783.N1	26-JAN-2010 02:32:16	Dark	41.500	159	Ups Car	2.9200	7200.0	83	41340	No
49	GOM_TRA_1PNPDE20100126_023410_000000392086_00204_41340_6784.N1	26-JAN-2010 02:34:10	Dark	39.000	71	lot Car	2.2460	7700.0	78	41340	No
50	GOM_TRA_1PNPDE20100126_023558_000000402086_00204_41340_6785.N1	26-JAN-2010 02:35:58	Dark	39.500	46	Del Vel	1.9540	10600.	79	41340	No
51	GOM_TRA_1PNPDE20100126_023834_000000442086_00204_41340_6786.N1	26-JAN-2010 02:38:34	Dark	44.000	34	Gam2Vel	1.7930	23000.	88	41340	No
52	GOM_TRA_1PNPDE20100126_024040_000000412086_00204_41340_6787.N1	26-JAN-2010 02:40:40	Straylight	40.500	70	Zet Pup	2.2460	39000.	81	41340	No
53	GOM_TRA_1PNPDE20100126_024208_000000442086_00204_41340_6788.N1	26-JAN-2010 02:42:08	Straylight	43.500	117	Pi Pup	2.7060	3800.0	87	41340	No
54	GOM_TRA_1PNPDE20100126_024413_000000412086_00204_41340_6789.N1	26-JAN-2010 02:44:13	Straylight	41.000	88	31Eta CMa	2.4480	20000.	82	41340	No
55	GOM_TRA_1PNPDE20100126_024558_000000402086_00204_41340_6790.N1	26-JAN-2010 02:45:58	Straylight	39.500	179	24Omi2CMa	3.0320	24000.	79	41340	No
56	GOM_TRA_1PNPDE20100126_025411_000000502086_00204_41340_6791.N1	26-JAN-2010 02:54:11	Twilight	49.500	8	10Alp CMi	0.40000	6500.0	99	41340	No
57	GOM_TRA_1PNPDE20100126_025726_000000412086_00204_41340_6792.N1	26-JAN-2010 02:57:26	Bright	40.500	44	24Gam Gem	1.9280	11000.	81	41340	No
58	GOM_TRA_1PNPDE20100126_025913_000000422086_00204_41340_6793.N1	26-JAN-2010 02:59:13	Bright	41.500	151	13Mu Gem	2.8900	3000.0	83	41340	No
59	GOM_TRA_1PNPDE20100126_030107_000000442086_00204_41340_6794.N1	26-JAN-2010 03:01:07	Bright	44.000	17	78Bet Gem	1.1610	4500.0	88	41340	No
60	GOM_TRA_1PNPDE20100126_030535_000000382086_00204_41340_6795.N1	26-JAN-2010 03:05:35	Bright	37.500	42	34Bet Aur	1.9000	10200.	75	41340	No
61	GOM_TRA_1PNPDE20100126_031803_000000352086_00204_41340_6796.N1	26-JAN-2010 03:18:03	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	41340	No
62	GOM_TRA_1PNPDE20100126_032130_000000452086_00204_41340_6795.N1	26-JAN-2010 03:21:30	Bright	44.500	60	7Bet UMi	2.0810	3950.0	89	41340	No
63	GOM_TRA_1PNPDE20100126_032605_000000422086_00204_41340_6796.N1	26-JAN-2010 03:26:05	Bright	42.000	119	14Eta Dra	2.7270	4700.0	84	41340	No
64	GOM_TRA_1PNPDE20100126_032903_000000392086_00204_41340_6797.N1	26-JAN-2010 03:29:03	Bright	38.500	130	23Bet Dra	2.7990	5800.0	77	41340	No
65	GOM_TRA_1PNPDE20100126_033532_000000402086_00204_41340_6798.N1	26-JAN-2010 03:35:32	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	41340	No
66	GOM_TRA_1PNPDE20100126_033855_000000442086_00204_41340_6799.N1	26-JAN-2010 03:38:55	Bright	44.000	127	27Bet Her	2.7810	4700.0	88	41340	No
67	GOM_TRA_1PNPDE20100126_034031_000000352086_00204_41340_6800.N1	26-JAN-2010 03:40:31	Bright	34.500	59	55Alp Oph	2.0800	8900.0	69	41340	No
68	GOM_TRA_1PNPDE20100126_034238_000000522086_00204_41340_6801.N1	26-JAN-2010 03:42:38	Bright	52.000	126	60Bet Oph	2.7700	4250.0	104	41340	No
69	GOM_TRA_1PNPDE20100126_034716_000000502086_00204_41340_6802.N1	26-JAN-2010 03:47:16	Twilight	50.000	120	1Del Oph	2.7340	3200.0	100	41340	No
70	GOM_TRA_1PNPDE20100126_034853_000000432086_00204_41340_6803.N1	26-JAN-2010 03:48:53	Twilight	43.000	86	35Eta Oph	2.4300	10200.	86	41340	No
71	GOM_TRA_1PNPDE20100126_035255_000000472086_00204_41340_6804.N1	26-JAN-2010 03:52:55	Dark	46.500	16	21Alp Sco	1.0200	3000.0	93	41340	No
72	GOM_TRA_1PNPDE20100126_035418_000000382086_00204_41340_6805.N1	26-JAN-2010 03:54:18	Dark	38.000	75	26Eps Sco	2.2910	4250.0	76	41340	No
73	GOM_TRA_1PNPDE20100126_035833_000000412086_00204_41340_6806.N1	26-JAN-2010 03:58:33	Dark	40.500	131	Gam Lup	2.8000	26000.	81	41340	No
74	GOM_TRA_1PNPDE20100126_040037_000000432086_00204_41340_6807.N1	26-JAN-2010 04:00:37	Dark	42.500	109	Bet Lup	2.6770	26000.	85	41340	No
75	GOM_TRA_1PNPDE20100126_040205_000000482086_00205_41341_6808.N1	26-JAN-2010 04:02:05	Dark	47.500	78	Alp Lup	2.3040	28000.	95	41341	No
76	GOM_TRA_1PNPDE20100126_040403_000000432086_00205_41341_6809.N1	26-JAN-2010 04:04:03	Dark	43.000	4	Alp1Cen	-0.010000	5800.0	86	41341	No
77	GOM_TRA_1PNPDE20100126_040538_000000432086_00205_41341_6810.N1	26-JAN-2010 04:05:38	Dark	42.500	77	Eps Cen	2.3030	28000.	85	41341	No
78	GOM_TRA_1PNPDE20100126_040837_000000452086_00205_41341_6811.N1	26-JAN-2010 04:08:37	Dark	44.500	12	Alp1Cru	0.77500	30000.	89	41341	No
79	GOM_TRA_1PNPDE20100126_041252_000000382086_00205_41341_6812.N1	26-JAN-2010 04:12:52	Dark	38.000	159	Ups Car	2.9200	7200.0	76	41341	No
80	GOM_TRA_1PNPDE20100126_041447_000000382086_00205_41341_6813.N1	26-JAN-2010 04:14:47	Dark	38.000	71	lot Car	2.2460	7700.0	76	41341	No
81	GOM_TRA_1PNPDE20100126_041634_000000452086_00205_41341_6814.N1	26-JAN-2010 04:16:34	Dark	44.500	46	Del Vel	1.9540	10600.	89	41341	No
82	GOM_TRA_1PNPDE20100126_041910_000000422086_00205_41341_6815.N1	26-JAN-2010 04:19:10	Dark	41.500	34	Gam2Vel	1.7930	23000.	83	41341	No
83	GOM_TRA_1PNPDE20100126_042116_000000412086_00205_41341_6816.N1	26-JAN-2010 04:21:16	Straylight	41.000	70	Zet Pup	2.2460	39000.	82	41341	No
84	GOM_TRA_1PNPDE20100126_042244_000000432086_00205_41341_6817.N1	26-JAN-2010 04:22:44	Straylight	43.000	117	Pi Pup	2.7060	3800.0	86	41341	No
85	GOM_TRA_1PNPDE20100126_042449_000000402086_00205_41341_6818.N1	26-JAN-2010 04:24:49	Straylight	39.500	88	31Eta CMa	2.4480	20000.	79	41341	No
86	GOM_TRA_1PNPDE20100126_042634_000000392086_00205_41341_6819.N1	26-JAN-2010 04:26:34	Straylight	38.500	179	24Omi2CMa	3.0320	24000.	77	41341	No
87	GOM_TRA_1PNPDE20100126_043447_000000472086_00205_41341_6820.N1	26-JAN-2010 04:34:47	Twilight	46.500	8	10Alp CMi	0.40000	6500.0	93	41341	No
88	GOM_TRA_1PNPDE20100126_043802_000000402086_00205_41341_6821.N1	26-JAN-2010 04:38:02	Bright	40.000	44	24Gam Gem	1.9280	11000.	80	41341	No
89	GOM_TRA_1PNPDE20100126_043949_000000392086_00205_41341_6822.N1	26-JAN-2010 04:39:49	Bright	39.000	151	13Mu Gem	2.8900	3000.0	78	41341	No
90	GOM_TRA_1PNPDE20100126_044143_000000412086_00205_41341_6823.N1	26-JAN-2010 04:41:43	Bright	41.000	17	78Bet Gem	1.1610	4500.0	82	41341	No
91	GOM_TRA_1PNPDE20100126_044611_000000362086_00205_41341_6824.N1	26-JAN-2010 04:46:11	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	41341	No
92	GOM_TRA_1PNPDE20100126_045839_000000382086_00205_41341_6825.N1	26-JAN-2010 04:58:39	Bright	38.000	49	1Alp UMi	1.9900	6300.0	76	41341	No
93	GOM_TRA_1PNPDE20100126_050206_000000362086_00205_41341_6829.N1	26-JAN-2010 05:02:06	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	41341	Yes
94	GOM_TRA_1PNPDE20100126_050641_000000422086_00205_41341_6830.N1	26-JAN-2010 05:06:41	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	41341	No
95	GOM_TRA_1PNPDE20100126_050939_000000382086_00205_41341_6831.N1	26-JAN-2010 05:09:39	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	41341	No
96	GOM_TRA_1PNPDE20100126_051608_000000412086_00205_41341_6832.N1	26-JAN-2010 05:16:08	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	41341	No
97	GOM_TRA_1PNPDE20100126_051931_000000582086_00205_41341_6833.N1	26-JAN-2010 05:19:31	Bright	57.500	127	27Bet Her	2.7810	4700.0	115	41341	No



98	GOM_TRA_1PNPDE20100126_052108_000000532086_00205_41341_6834.N1	26-JAN-2010 05:21:08	Bright	53.000	59	55Alp Oph	2.0800	8900.0	106	41341	No
99	GOM_TRA_1PNPDE20100126_052314_000000342086_00205_41341_6835.N1	26-JAN-2010 05:23:14	Bright	33.500	126	60Bet Oph	2.7700	4250.0	67	41341	No
100	GOM_TRA_1PNPDE20100126_052753_000000542086_00205_41341_6836.N1	26-JAN-2010 05:27:53	Twilight	54.000	120	1Del Oph	2.7340	3200.0	108	41341	No
101	GOM_TRA_1PNPDE20100126_052929_000000442086_00205_41341_6837.N1	26-JAN-2010 05:29:29	Twilight	44.000	86	35Eta Oph	2.4300	10200.	88	41341	No
102	GOM_TRA_1PNPDE20100126_053332_000000542086_00205_41341_6838.N1	26-JAN-2010 05:33:32	Dark	53.500	16	21Alp Sco	1.0200	3000.0	107	41341	No
103	GOM_TRA_1PNPDE20100126_053455_000000432086_00205_41341_6839.N1	26-JAN-2010 05:34:55	Dark	43.000	75	26Eps Sco	2.2910	4250.0	86	41341	No
104	GOM_TRA_1PNPDE20100126_053909_000000442086_00205_41341_6840.N1	26-JAN-2010 05:39:09	Dark	44.000	131	Gam Lup	2.8000	26000.	88	41341	No
105	GOM_TRA_1PNPDE20100126_054114_000000422086_00205_41341_6841.N1	26-JAN-2010 05:41:14	Dark	42.000	109	Bet Lup	2.6770	26000.	84	41341	No
106	GOM_TRA_1PNPDE20100126_054242_000000512086_00206_41342_6842.N1	26-JAN-2010 05:42:42	Dark	50.500	78	Alp Lup	2.3040	28000.	101	41342	No
107	GOM_TRA_1PNPDE20100126_054439_000000552086_00206_41342_6843.N1	26-JAN-2010 05:44:39	Dark	55.000	4	Alp1Cen	-0.010000	5800.0	110	41342	No
108	GOM_TRA_1PNPDE20100126_054615_000000402086_00206_41342_6844.N1	26-JAN-2010 05:46:15	Dark	40.000	77	Eps Cen	2.3030	28000.	80	41342	No
109	GOM_TRA_1PNPDE20100126_054913_000000472086_00206_41342_6845.N1	26-JAN-2010 05:49:13	Dark	46.500	12	Alp1Cru	0.77500	30000.	93	41342	No
110	GOM_TRA_1PNPDE20100126_055523_000000452086_00206_41342_6846.N1	26-JAN-2010 05:55:23	Dark	44.500	71	lot Car	2.2460	7700.0	89	41342	No
111	GOM_TRA_1PNPDE20100126_055711_000000412086_00206_41342_6847.N1	26-JAN-2010 05:57:11	Dark	41.000	46	Del Vel	1.9540	10600.	82	41342	No
112	GOM_TRA_1PNPDE20100126_055946_000000422086_00206_41342_6848.N1	26-JAN-2010 05:59:46	Dark	41.500	34	Gam2Vel	1.7930	23000.	83	41342	No
113	GOM_TRA_1PNPDE20100126_060152_000000412086_00206_41342_6849.N1	26-JAN-2010 06:01:52	Straylight	41.000	70	Zet Pup	2.2460	39000.	82	41342	No
114	GOM_TRA_1PNPDE20100126_060320_000000432086_00206_41342_6850.N1	26-JAN-2010 06:03:20	Straylight	43.000	117	Pi Pup	2.7060	3800.0	86	41342	No
115	GOM_TRA_1PNPDE20100126_060525_000000422086_00206_41342_6851.N1	26-JAN-2010 06:05:25	Straylight	41.500	88	31Eta CMa	2.4480	20000.	83	41342	No
116	GOM_TRA_1PNPDE20100126_060711_000000402086_00206_41342_6852.N1	26-JAN-2010 06:07:11	Straylight	40.000	179	24Omi2CMa	3.0320	24000.	80	41342	No
117	GOM_TRA_1PNPDE20100126_061523_000000472086_00206_41342_6853.N1	26-JAN-2010 06:15:23	Twilight	47.000	8	10Alp CMi	0.40000	6500.0	94	41342	No
118	GOM_TRA_1PNPDE20100126_061838_000000382086_00206_41342_6854.N1	26-JAN-2010 06:18:38	Bright	38.000	44	24Gam Gem	1.9280	11000.	76	41342	No
119	GOM_TRA_1PNPDE20100126_062025_000000362086_00206_41342_6855.N1	26-JAN-2010 06:20:25	Bright	36.000	151	13Mu Gem	2.8900	3000.0	72	41342	No
120	GOM_TRA_1PNPDE20100126_062218_000000432086_00206_41342_6856.N1	26-JAN-2010 06:22:18	Bright	43.000	17	78Bet Gem	1.1610	4500.0	86	41342	No
121	GOM_TRA_1PNPDE20100126_062647_000000352086_00206_41342_6857.N1	26-JAN-2010 06:26:47	Bright	35.000	42	34Bet Aur	1.9000	10200.	70	41342	No
122	GOM_TRA_1PNPDE20100126_063915_000000402086_00206_41342_6858.N1	26-JAN-2010 06:39:15	Bright	40.000	49	1Alp UMi	1.9900	6300.0	80	41342	No
123	GOM_TRA_1PNPDE20100126_064241_000000342086_00206_41342_6859.N1	26-JAN-2010 06:42:41	Bright	34.000	60	7Bet UMi	2.0810	3950.0	68	41342	No
124	GOM_TRA_1PNPDE20100126_210512_000000432086_00215_41351_6917.N1	26-JAN-2010 21:05:12	Dark	42.500	34	Gam2Vel	1.7930	23000.	85	41351	No
125	GOM_TRA_1PNPDE20100126_210718_000000402086_00215_41351_6918.N1	26-JAN-2010 21:07:18	Straylight	40.000	70	Zet Pup	2.2460	39000.	80	41351	No
126	GOM_TRA_1PNPDE20100126_211050_000000402086_00215_41351_6919.N1	26-JAN-2010 21:10:50	Straylight	40.000	88	31Eta CMa	2.4480	20000.	80	41351	No
127	GOM_TRA_1PNPDE20100126_211236_000000382086_00215_41351_6920.N1	26-JAN-2010 21:12:36	Straylight	38.000	179	24Omi2CMa	3.0320	24000.	76	41351	No
128	GOM_TRA_1PNPDE20100126_212046_000000482086_00215_41351_6921.N1	26-JAN-2010 21:20:46	Twilight	47.500	8	10Alp CMi	0.40000	6500.0	95	41351	No
129	GOM_TRA_1PNPDE20100126_212402_000000402086_00215_41351_6922.N1	26-JAN-2010 21:24:02	Bright	40.000	44	24Gam Gem	1.9280	11000.	80	41351	No
130	GOM_TRA_1PNPDE20100126_212550_000000392086_00215_41351_6923.N1	26-JAN-2010 21:25:50	Bright	39.000	151	13Mu Gem	2.8900	3000.0	78	41351	No
131	GOM_TRA_1PNPDE20100126_212739_000000432086_00215_41351_6924.N1	26-JAN-2010 21:27:39	Bright	43.000	17	78Bet Gem	1.1610	4500.0	86	41351	No
132	GOM_TRA_1PNPDE20100126_213212_000000372086_00215_41351_6925.N1	26-JAN-2010 21:32:12	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	41351	No
133	GOM_TRA_1PNPDE20100126_214439_000000342086_00215_41351_6926.N1	26-JAN-2010 21:44:39	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	41351	No
134	GOM_TRA_1PNPDE20100126_214802_000000372086_00215_41351_6927.N1	26-JAN-2010 21:48:02	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	41351	No
135	GOM_TRA_1PNPDE20100126_215239_000000402086_00215_41351_6928.N1	26-JAN-2010 21:52:39	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	41351	No
136	GOM_TRA_1PNPDE20100126_215538_000000362086_00215_41351_6929.N1	26-JAN-2010 21:55:38	Bright	35.500	130	23Bet Dra	2.7990	5800.0	71	41351	No
137	GOM_TRA_1PNPDE20100126_220209_000000592086_00215_41351_6930.N1	26-JAN-2010 22:02:09	Bright	59.000	133	40Zet Her	2.8070	6000.0	118	41351	No
138	GOM_TRA_1PNPDE20100126_220533_000000612086_00215_41351_6931.N1	26-JAN-2010 22:05:33	Bright	61.000	127	27Bet Her	2.7810	4700.0	122	41351	No
139	GOM_TRA_1PNPDE20100126_220709_000000352086_00215_41351_6932.N1	26-JAN-2010 22:07:09	Bright	35.000	59	55Alp Oph	2.0800	8900.0	70	41351	No
140	GOM_TRA_1PNPDE20100126_220916_000000352086_00215_41351_6933.N1	26-JAN-2010 22:09:16	Bright	35.000	126	60Bet Oph	2.7700	4250.0	70	41351	No
141	GOM_TRA_1PNPDE20100126_221359_000000542086_00215_41351_6934.N1	26-JAN-2010 22:13:59	Twilight	54.000	120	1Del Oph	2.7340	3200.0	108	41351	No
142	GOM_TRA_1PNPDE20100126_221533_000000402086_00215_41351_6939.N1	26-JAN-2010 22:15:33	Twilight	40.000	86	35Eta Oph	2.4300	10200.	80	41351	No
143	GOM_TRA_1PNPDE20100126_221937_000000542086_00215_41351_6940.N1	26-JAN-2010 22:19:37	Dark	53.500	16	21Alp Sco	1.0200	3000.0	107	41351	No
144	GOM_TRA_1PNPDE20100126_222059_000000482086_00215_41351_6941.N1	26-JAN-2010 22:20:59	Dark	47.500	75	26Eps Sco	2.2910	4250.0	95	41351	No
145	GOM_TRA_1PNPDE20100126_222516_000000432086_00215_41351_6942.N1	26-JAN-2010 22:25:16	Dark	43.000	131	Gam Lup	2.8000	26000.	86	41351	No
146	GOM_TRA_1PNPDE20100126_223044_000000542086_00216_41352_6943.N1	26-JAN-2010 22:30:44	Dark	54.000	4	Alp1Cen	-0.010000	5800.0	108	41352	No
147	GOM_TRA_1PNPDE20100126_223222_000000442086_00216_41352_6944.N1	26-JAN-2010 22:32:22	Dark	44.000	77	Eps Cen	2.3030	28000.	88	41352	No
148	GOM_TRA_1PNPDE20100126_223518_000000432086_00216_41352_6945.N1	26-JAN-2010 22:35:18	Dark	42.500	12	Alp1Cru	0.77500	30000.	85	41352	No
149	GOM_TRA_1PNPDE20100126_223931_000000422086_00216_41352_6946.N1	26-JAN-2010 22:39:31	Dark	42.000	159	Ups Car	2.9200	7200.0	84	41352	No
150	GOM_TRA_1PNPDE20100126_224126_000000392086_00216_41352_6947.N1	26-JAN-2010 22:41:26	Dark	39.000	71	lot Car	2.2460	7700.0	78	41352	No
151	GOM_TRA_1PNPDE20100126_224313_000000452086_00216_41352_6948.N1	26-JAN-2010 22:43:13	Dark	44.500	46	Del Vel	1.9540	10600.	89	41352	No
152	GOM_TRA_1PNPDE20100126_224548_000000422086_00216_41352_6949.N1	26-JAN-2010 22:45:48	Dark	41.500	34	Gam2Vel	1.7930	23000.	83	41352	No
153	GOM_TRA_1PNPDE20100126_224754_000000412086_00216_41352_6950.N1	26-JAN-2010 22:47:54	Straylight	41.000	70	Zet Pup	2.2460	39000.	82	41352	No
154	GOM_TRA_1PNPDE20100126_225126_000000402086_00216_41352_6951.N1	26-JAN-2010 22:51:26	Straylight	40.000	88	31Eta CMa	2.4480	20000.	80	41352	No
155	GOM_TRA_1PNPDE20100126_225312_000000382086_00216_41352_6952.N1	26-JAN-2010 22:53:12	Straylight	38.000	179	24Omi2CMa	3.0320	24000.	76	41352	No
156	GOM_TRA_1PNPDE20100126_230121_000000492086_00216_41352_6953.N1	26-JAN-2010 23:01:21	Twilight	48.500	8	10Alp CMi	0.40000	6500.0	97	41352	No

157	GOM_TRA_1PNPDE20100126_230438_000000412086_00216_41352_6954.N1	26-JAN-2010 23:04:38	Bright	40.500	44	24Gam Gem	1.9280	11000.	81	41352	No
158	GOM_TRA_1PNPDE20100126_230626_000000402086_00216_41352_6955.N1	26-JAN-2010 23:06:26	Bright	39.500	151	13Mu Gem	2.8900	3000.0	79	41352	No
159	GOM_TRA_1PNPDE20100126_230815_000000442086_00216_41352_6956.N1	26-JAN-2010 23:08:15	Bright	43.500	17	78Bet Gem	1.1610	4500.0	87	41352	No
160	GOM_TRA_1PNPDE20100126_231248_000000352086_00216_41352_6957.N1	26-JAN-2010 23:12:48	Bright	35.000	42	34Bet Aur	1.9000	10200.	70	41352	No
161	GOM_TRA_1PNPDE20100126_232515_000000342086_00216_41352_6958.N1	26-JAN-2010 23:25:15	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	41352	No
162	GOM_TRA_1PNPDE20100126_232838_000000382086_00216_41352_6959.N1	26-JAN-2010 23:28:38	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	41352	No
163	GOM_TRA_1PNPDE20100126_233315_000000412086_00216_41352_6960.N1	26-JAN-2010 23:33:15	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	41352	No
164	GOM_TRA_1PNPDE20100126_233614_000000422086_00216_41352_6961.N1	26-JAN-2010 23:36:14	Bright	41.500	130	23Bet Dra	2.7990	5800.0	83	41352	No
165	GOM_TRA_1PNPDE20100126_234244_000000592086_00216_41352_6962.N1	26-JAN-2010 23:42:44	Bright	59.000	133	40Zet Her	2.8070	6000.0	118	41352	No
166	GOM_TRA_1PNPDE20100126_234609_000000612086_00216_41352_6963.N1	26-JAN-2010 23:46:09	Bright	61.000	127	27Bet Her	2.7810	4700.0	122	41352	No
167	GOM_TRA_1PNPDE20100126_234745_000000352086_00216_41352_6964.N1	26-JAN-2010 23:47:45	Bright	35.000	59	55Alp Oph	2.0800	8900.0	70	41352	No
168	GOM_TRA_1PNPDE20100126_234952_000000522086_00216_41352_6965.N1	26-JAN-2010 23:49:52	Bright	52.000	126	60Bet Oph	2.7700	4250.0	104	41352	No
169	GOM_TRA_1PNPDE20100126_235435_000000542086_00216_41352_6966.N1	26-JAN-2010 23:54:35	Twilight_stray	54.000	120	1Del Oph	2.7340	3200.0	108	41352	No
170	GOM_TRA_1PNPDE20100126_235609_000000412086_00216_41352_6957.N1	26-JAN-2010 23:56:09	Twilight_stray	40.500	86	35Eta Oph	2.4300	10200.	81	41352	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).

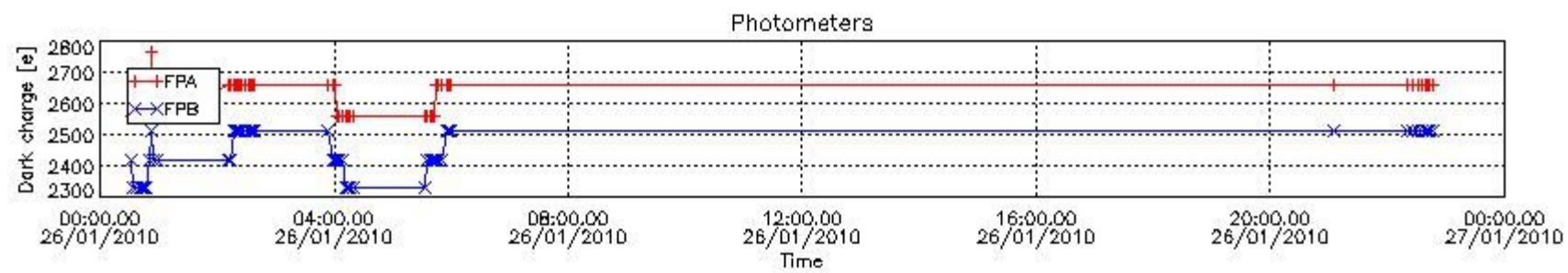
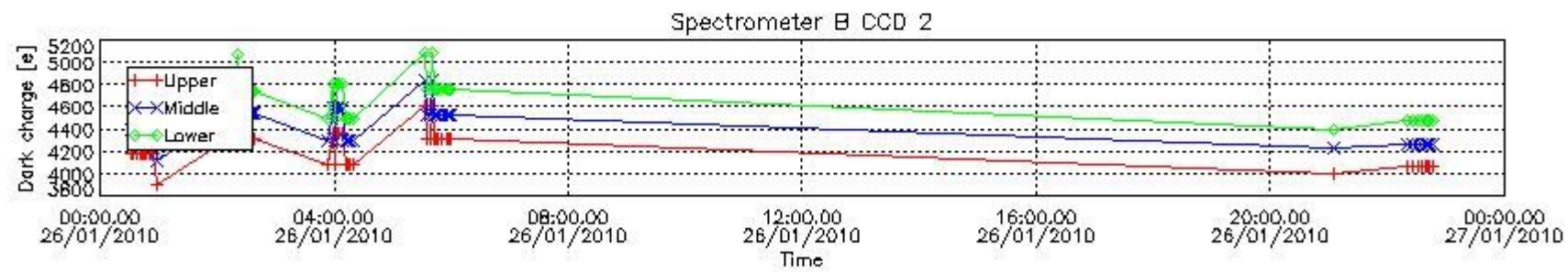
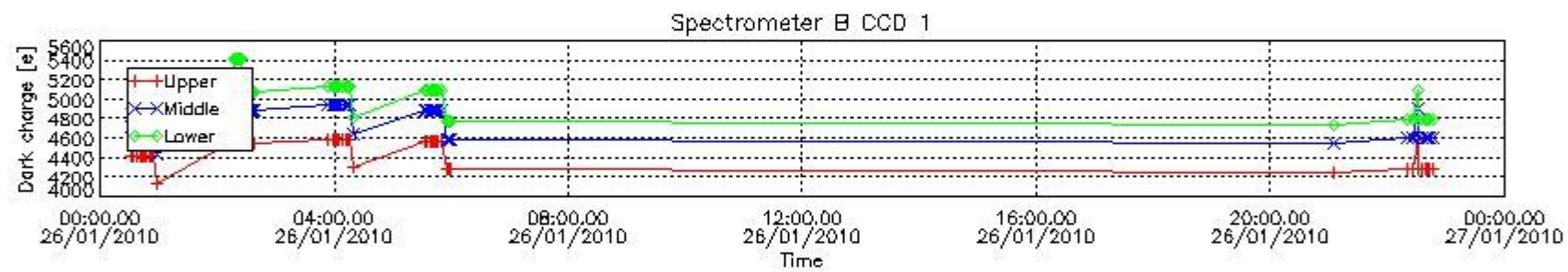
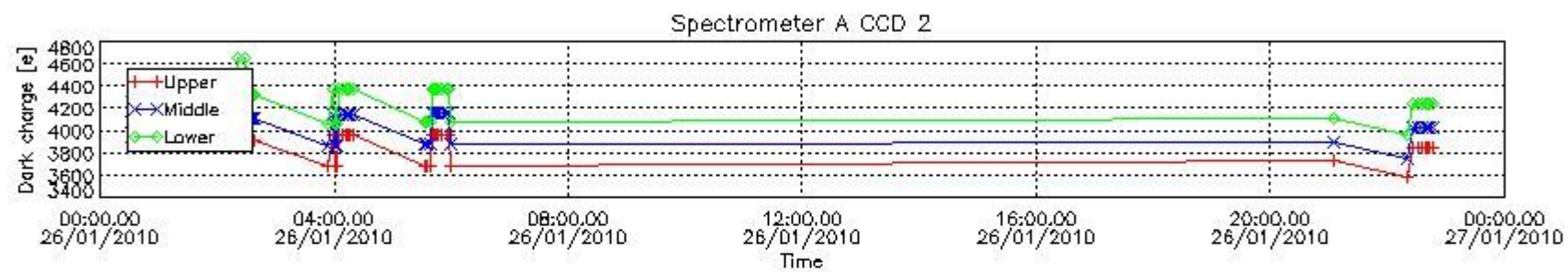
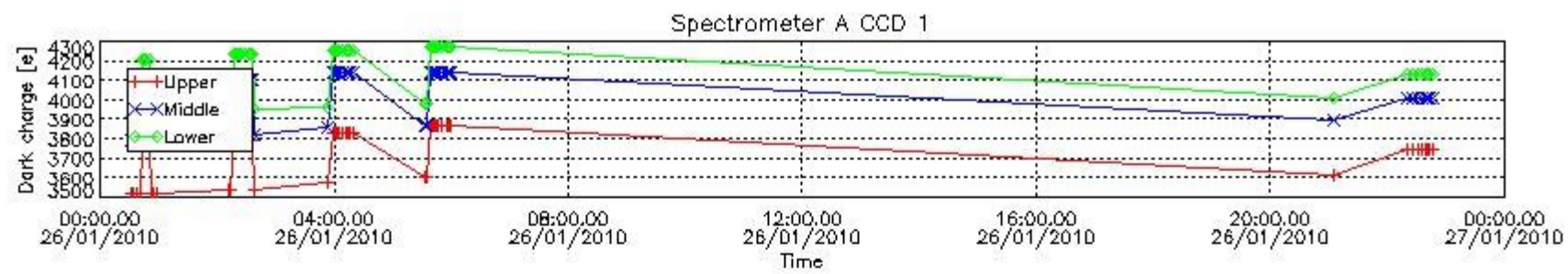
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20100126_210512_000000432086_00215_41351_6917.N1	DC map used
GOM_TRA_1PNPDE20100126_210718_000000402086_00215_41351_6918.N1	DC map used
GOM_TRA_1PNPDE20100126_211050_000000402086_00215_41351_6919.N1	DC map used
GOM_TRA_1PNPDE20100126_211236_000000382086_00215_41351_6920.N1	DC map used
GOM_TRA_1PNPDE20100126_212046_000000482086_00215_41351_6921.N1	DC map used
GOM_TRA_1PNPDE20100126_212402_000000402086_00215_41351_6922.N1	DC map used
GOM_TRA_1PNPDE20100126_212550_000000392086_00215_41351_6923.N1	DC map used
GOM_TRA_1PNPDE20100126_212739_000000432086_00215_41351_6924.N1	DC map used
GOM_TRA_1PNPDE20100126_213212_000000372086_00215_41351_6925.N1	DC map used
GOM_TRA_1PNPDE20100126_214439_000000342086_00215_41351_6926.N1	DC map used
GOM_TRA_1PNPDE20100126_214802_000000372086_00215_41351_6927.N1	DC map used
GOM_TRA_1PNPDE20100126_215239_000000402086_00215_41351_6928.N1	DC map used
GOM_TRA_1PNPDE20100126_215538_000000362086_00215_41351_6929.N1	DC map used
GOM_TRA_1PNPDE20100126_220209_000000592086_00215_41351_6930.N1	DC map used
GOM_TRA_1PNPDE20100126_220533_000000612086_00215_41351_6931.N1	DC map used
GOM_TRA_1PNPDE20100126_220709_000000352086_00215_41351_6932.N1	DC map used
GOM_TRA_1PNPDE20100126_220916_000000352086_00215_41351_6933.N1	DC map used
GOM_TRA_1PNPDE20100126_221359_000000542086_00215_41351_6934.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

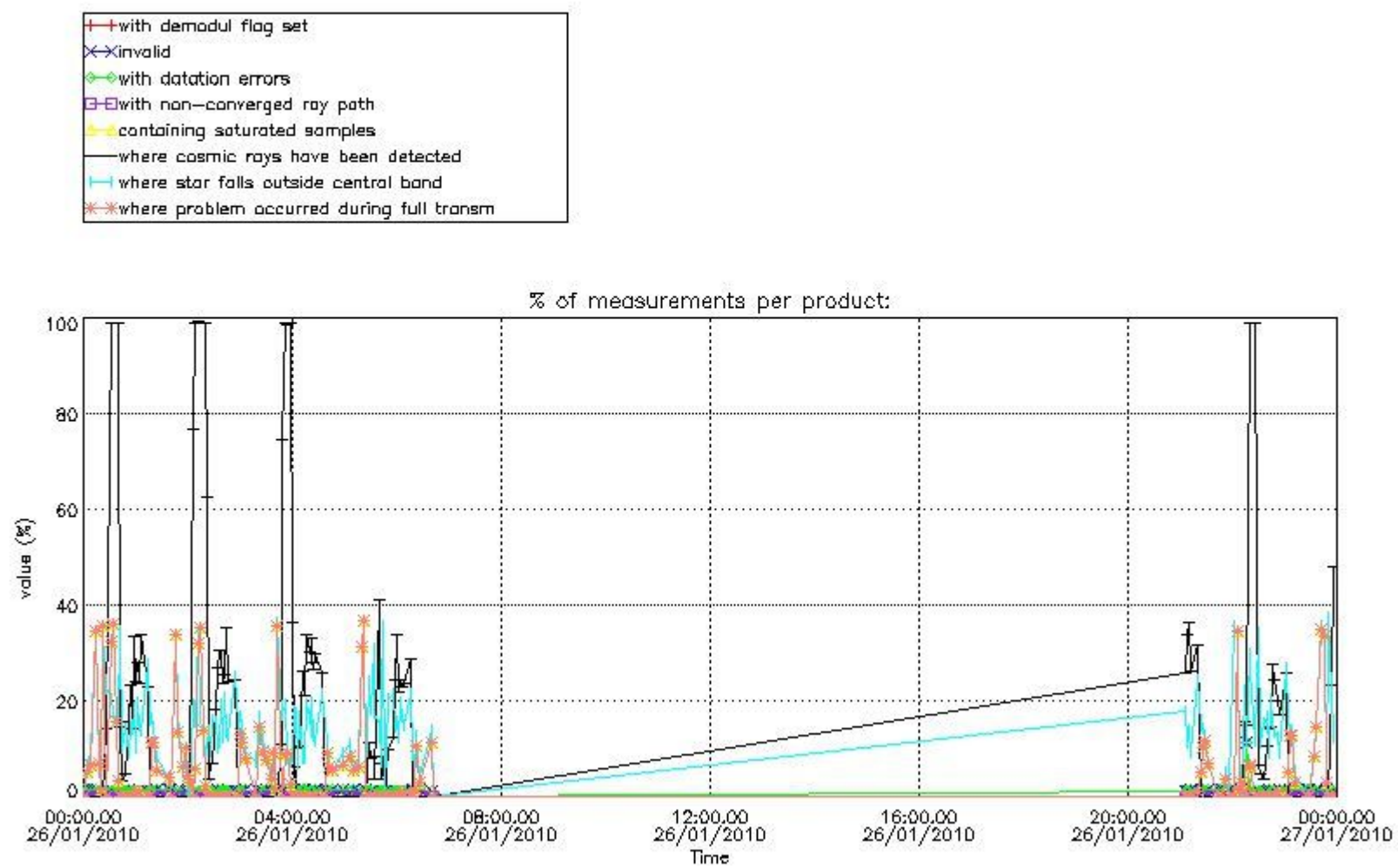
In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

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

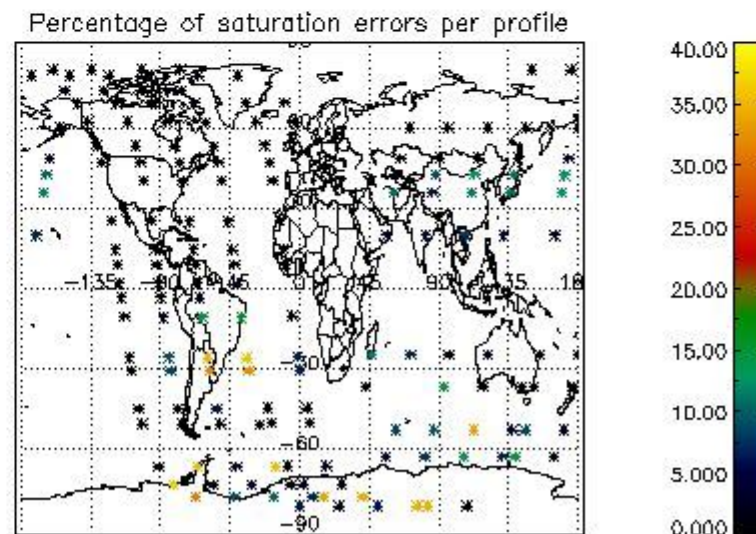
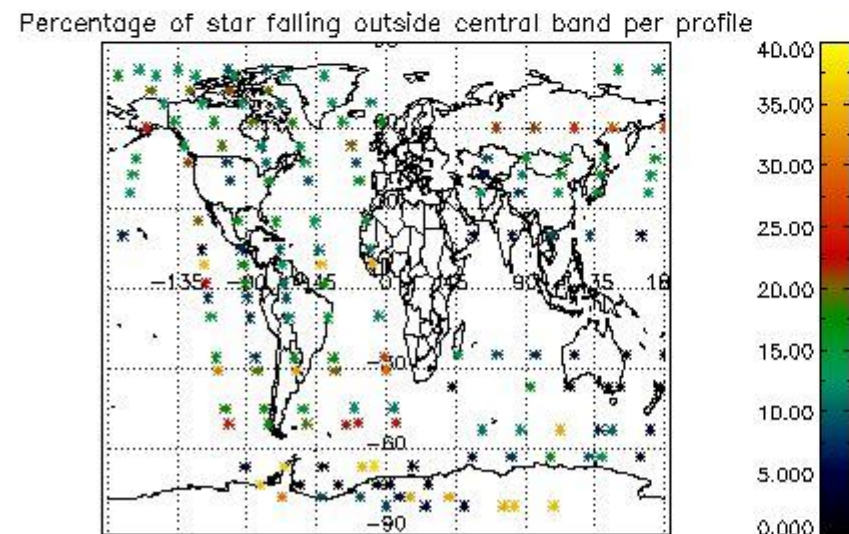
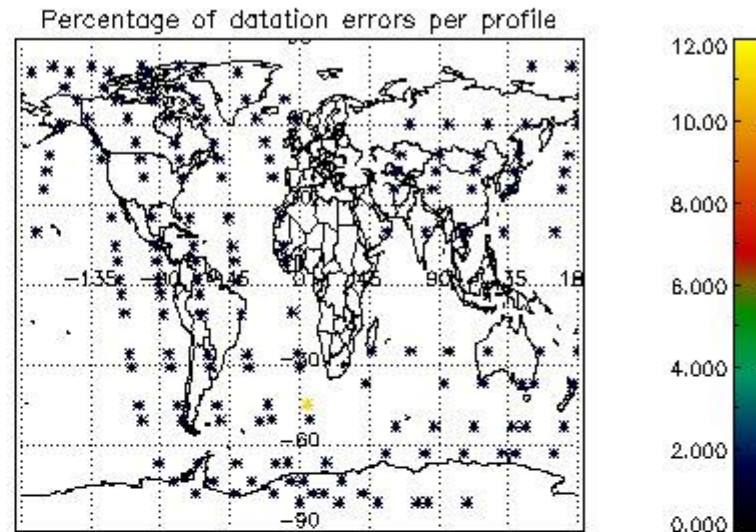
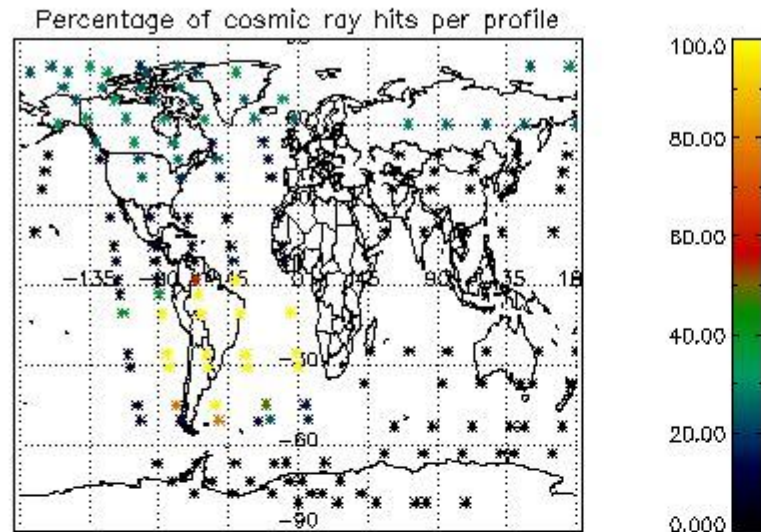


At least one measurement with demodulation flag set:	38.0952 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



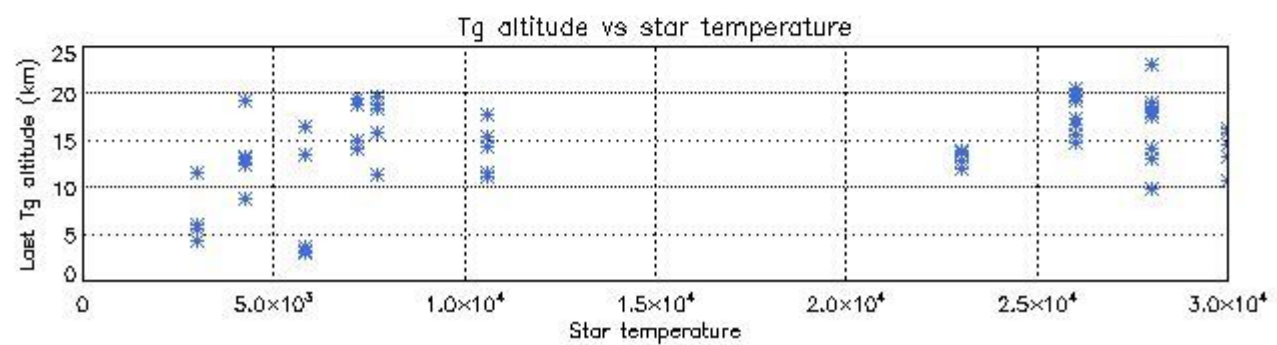
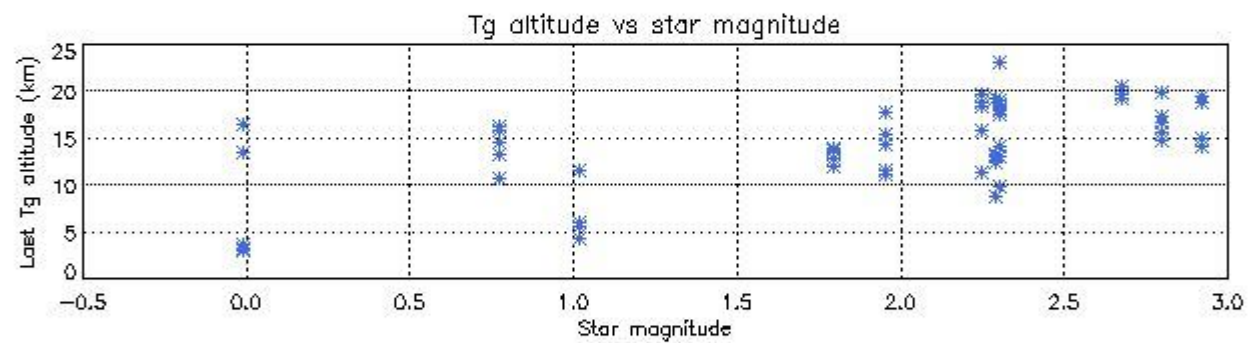
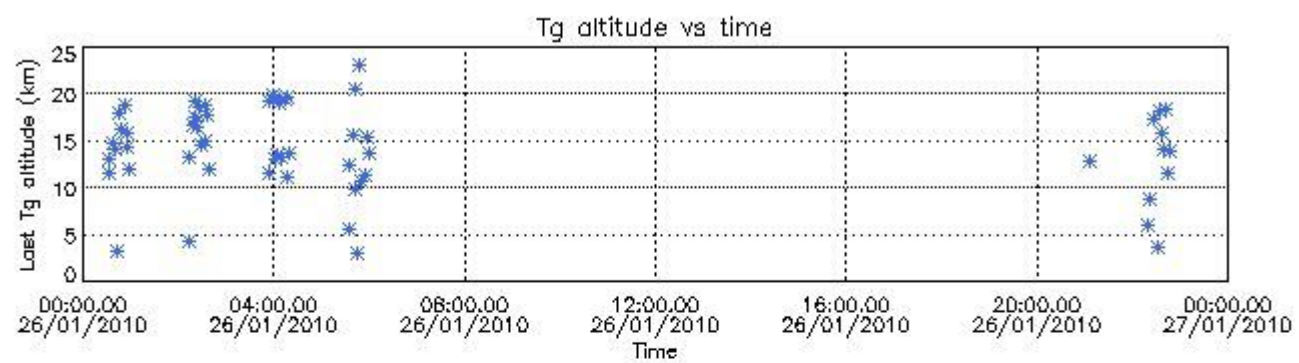
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.218	17.149	NaN
St. deviation:	4.6261	6.8455	NaN
Maximum:	23.157	32.511	NaN
Minimum:	2.9749	3.6910	NaN
Number of data:	57.000	72.000	NaN

### 6.2 Plot for DARK limb products

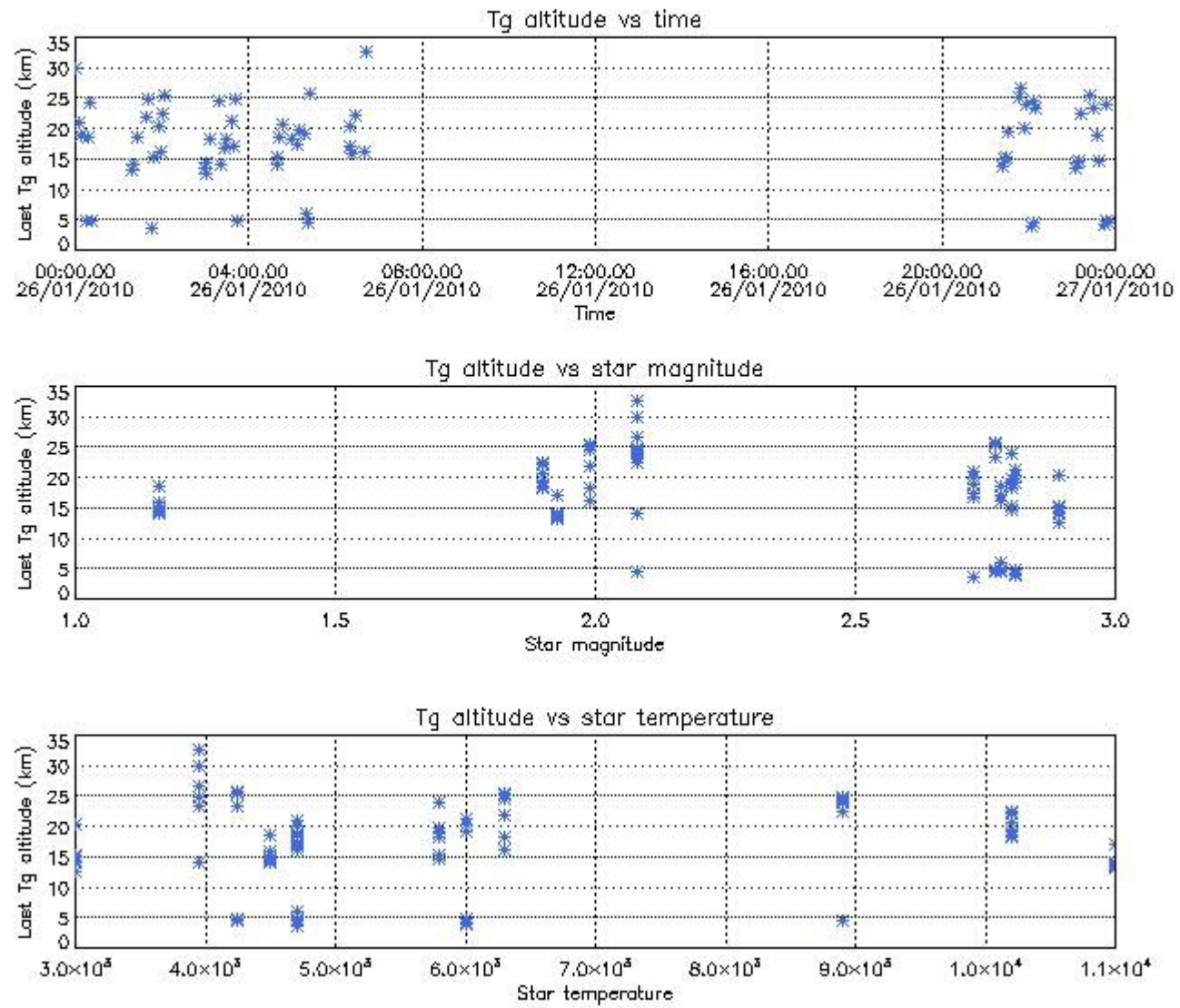
Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products



## Tangent altitude at which the star is lost

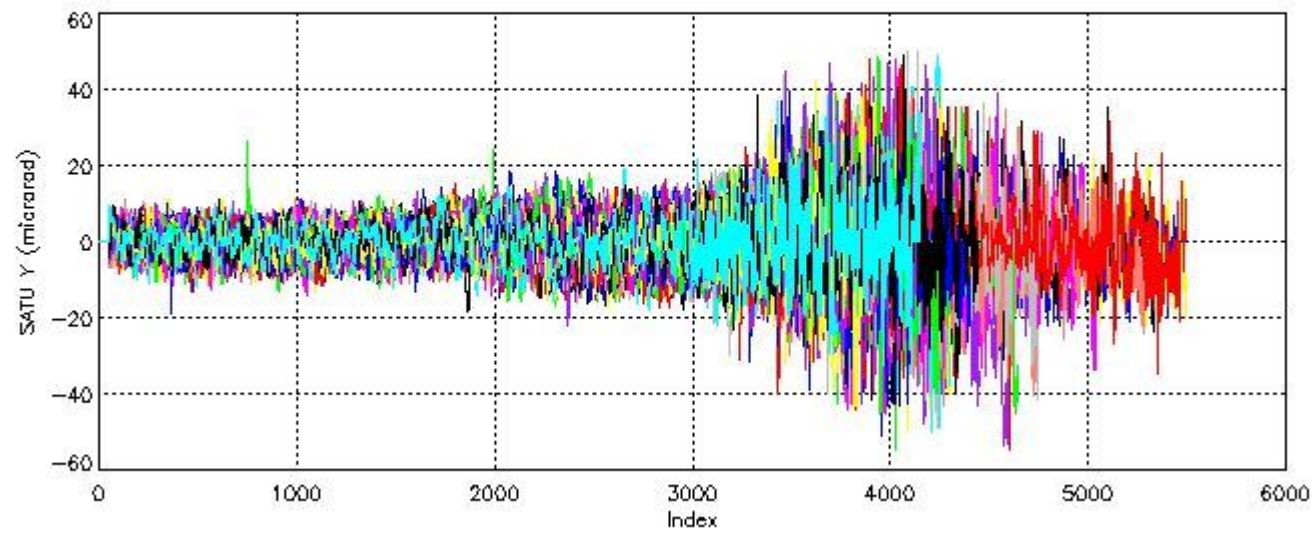
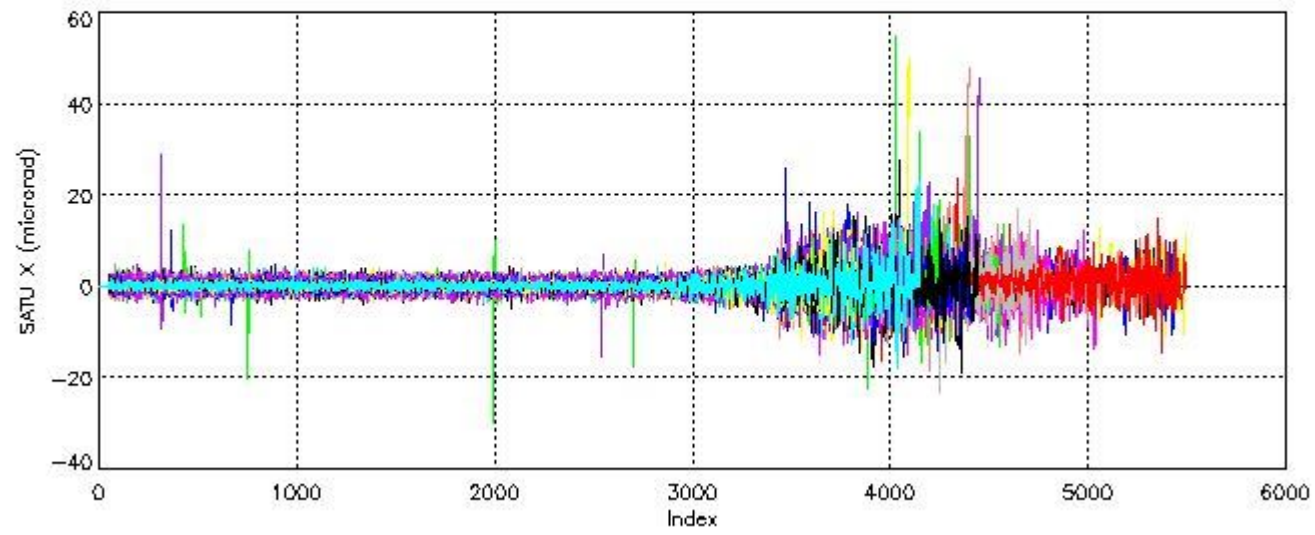


## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.12726	-0.16818	0.084754	-0.21144
St. deviation:	0.62666	3.0326	0.60065	3.1007
Maximum:	28.700	26.200	3.5000	12.900
Minimum:	-20.100	-19.100	-3.1000	-14.500

Number of data:	53300.	53300.	64250.	64250.
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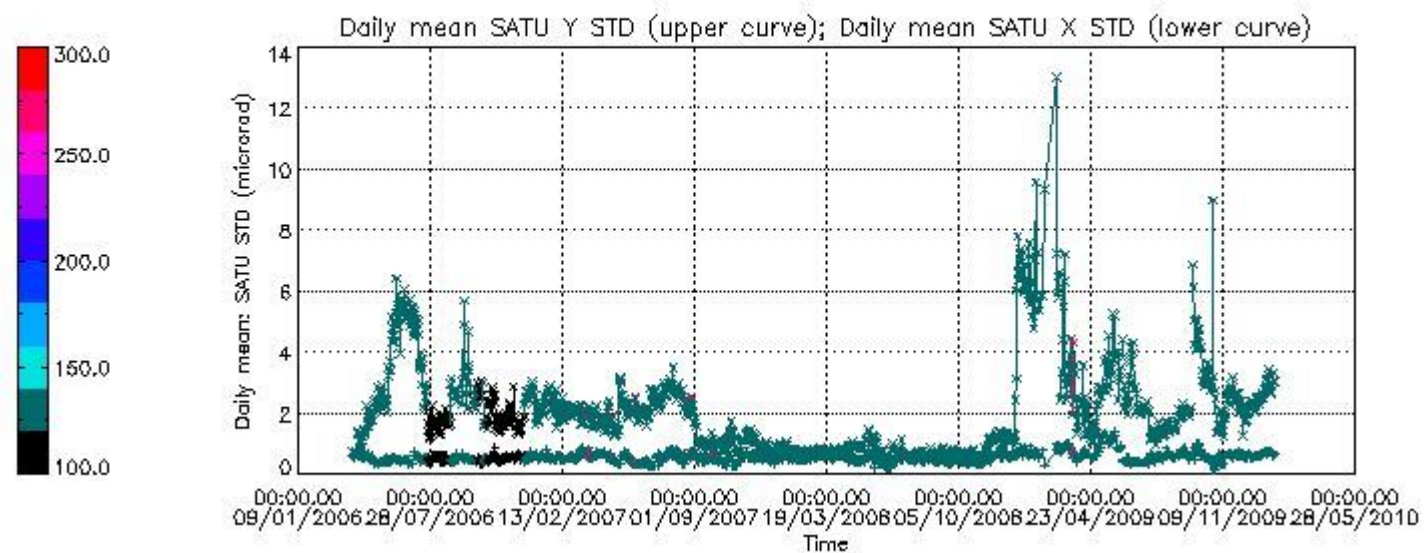
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

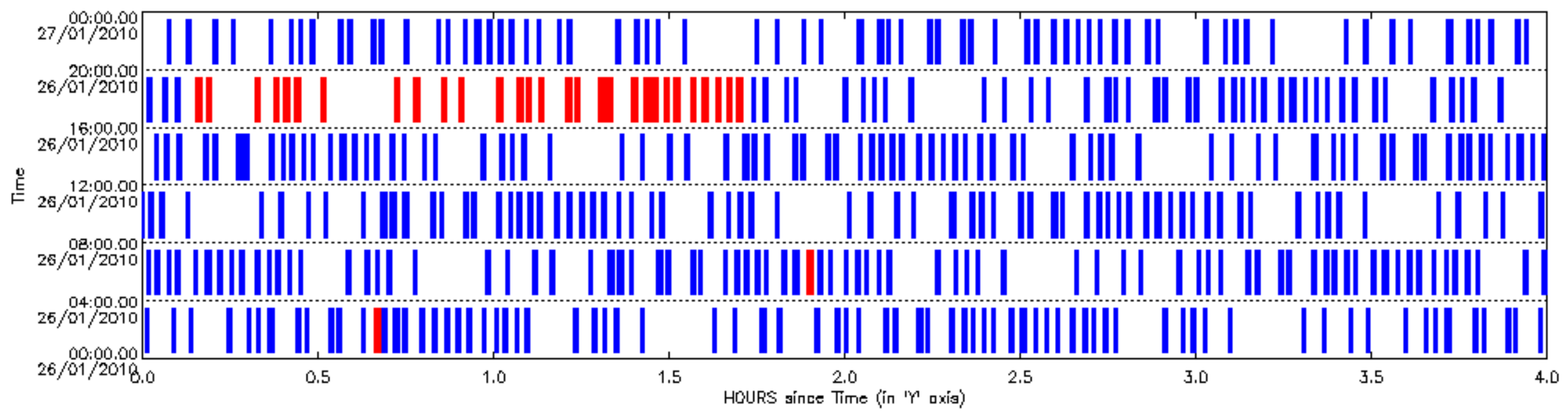


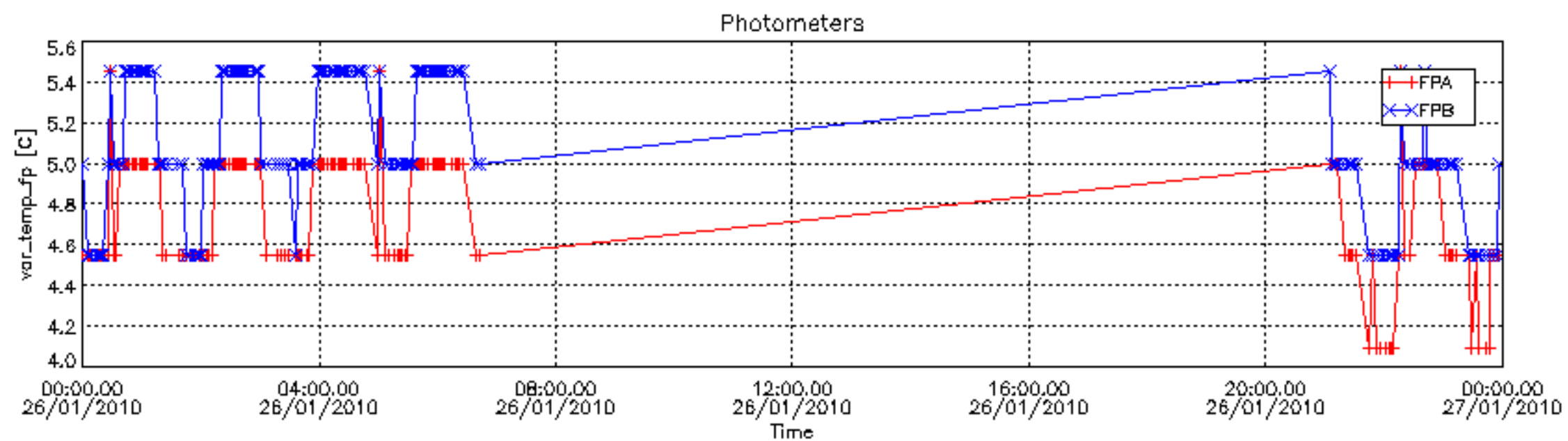
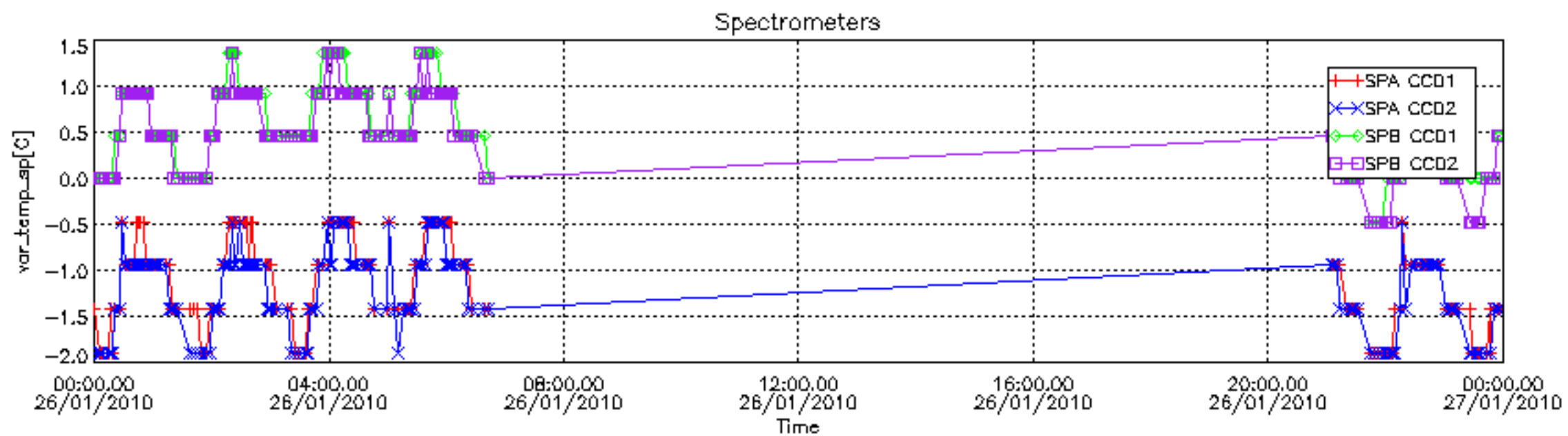
### 8. Auxiliary Data Files used for the production reported in section 2.4

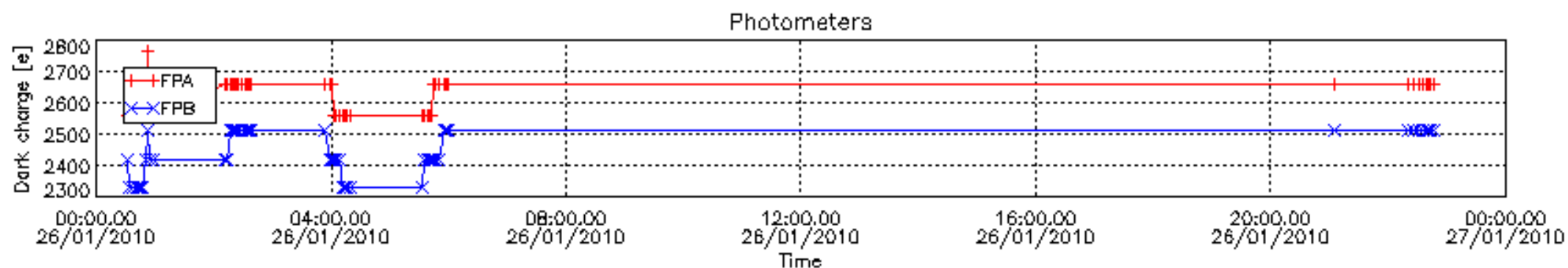
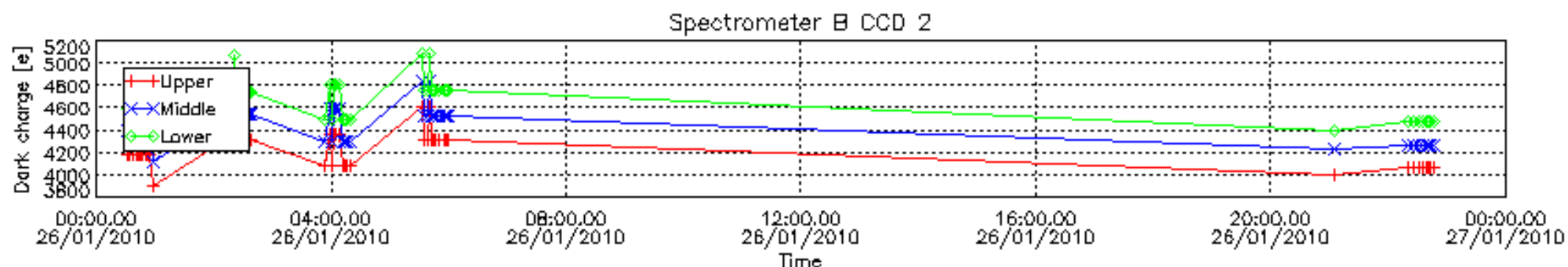
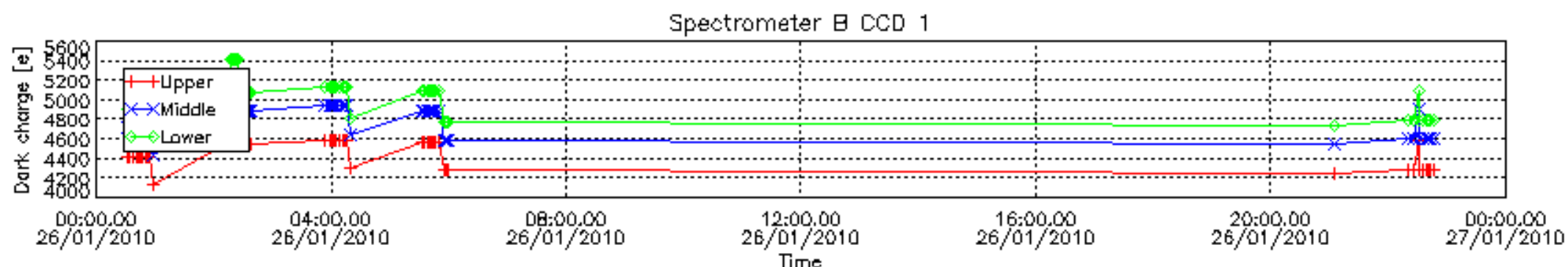
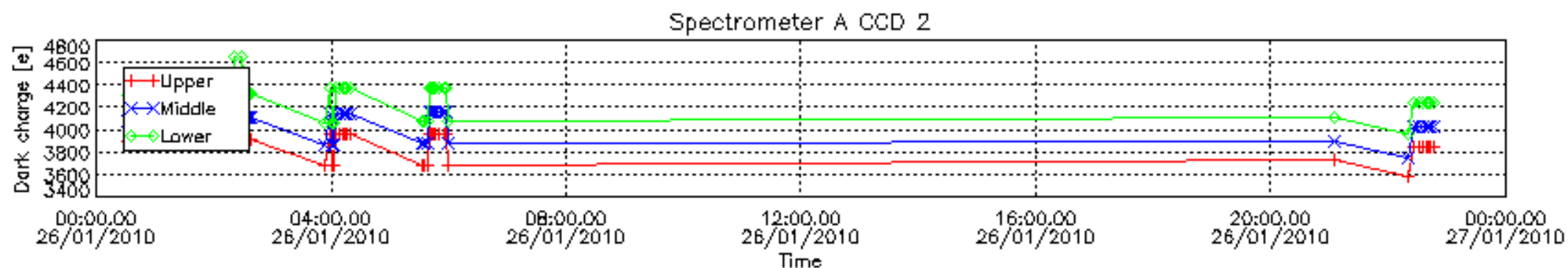
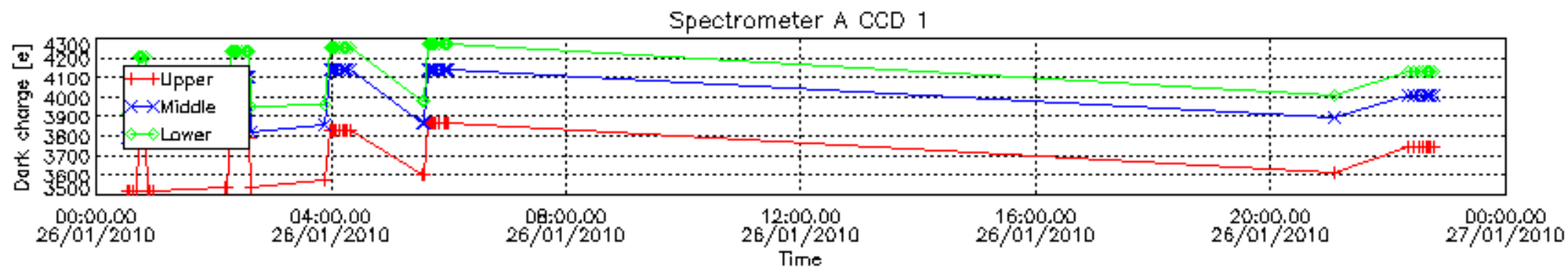
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	26-JAN-2010 00:00:18
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100120_153031_20100118_000000_20500101_000000	1	26-JAN-2010 00:00:18
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	26-JAN-2010 00:00:18
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	26-JAN-2010 00:00:18
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	26-JAN-2010 00:00:18
ECMWF_FILE	AUX_ECF_AXNECM20100125_062111_20100125_210000_20100126_090000	1	26-JAN-2010 00:00:18
ECMWF_FILE	AUX_ECF_AXNECM20100125_175849_20100126_030000_20100126_150000	62	26-JAN-2010 03:21:30
ECMWF_FILE	AUX_ECA_AXNECM20100126_060114_20100125_210000_20100126_090000	93	26-JAN-2010 05:02:06
ECMWF_FILE	AUX_ECF_AXNECM20100126_062114_20100126_210000_20100127_090000	124	26-JAN-2010 21:05:12
OPTIONAL_ECMWF_FILE	MISSING	1	26-JAN-2010 00:00:18
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100125_224404_000057382086_00201_41337_9640.N1	1	26-JAN-2010 00:00:18
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100126_002501_000054192086_00202_41338_9641.N1	9	26-JAN-2010 00:27:40
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100125_235006_20100125_193833_20100204_210446	38	26-JAN-2010 02:06:39
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100126_210258_000038252086_00215_41351_9645.N1	124	26-JAN-2010 21:05:12
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100126_221203_000057382086_00215_41351_9646.N1	142	26-JAN-2010 22:15:33
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100126_235300_000057382086_00216_41352_9647.N1	170	26-JAN-2010 23:56:09

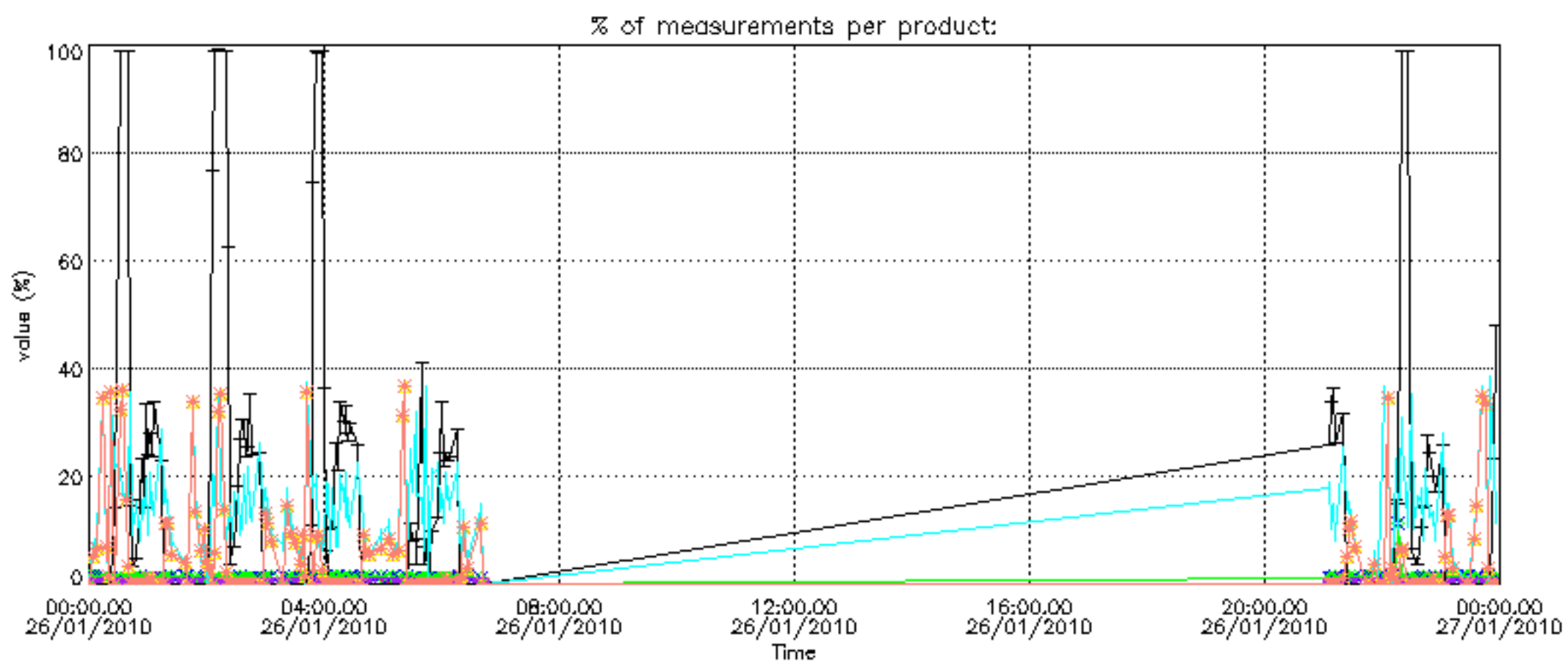




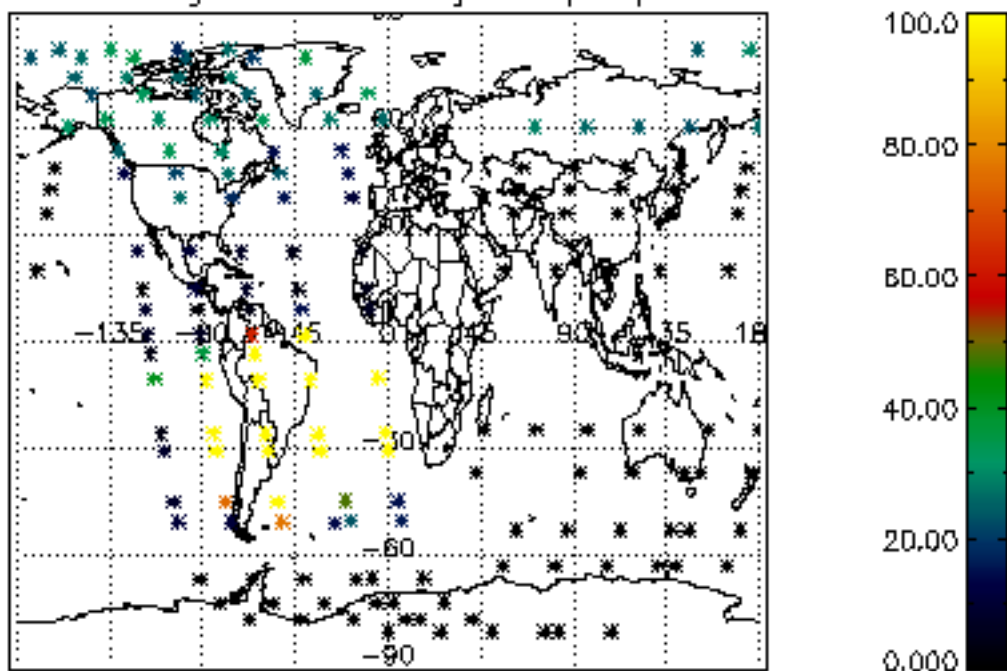




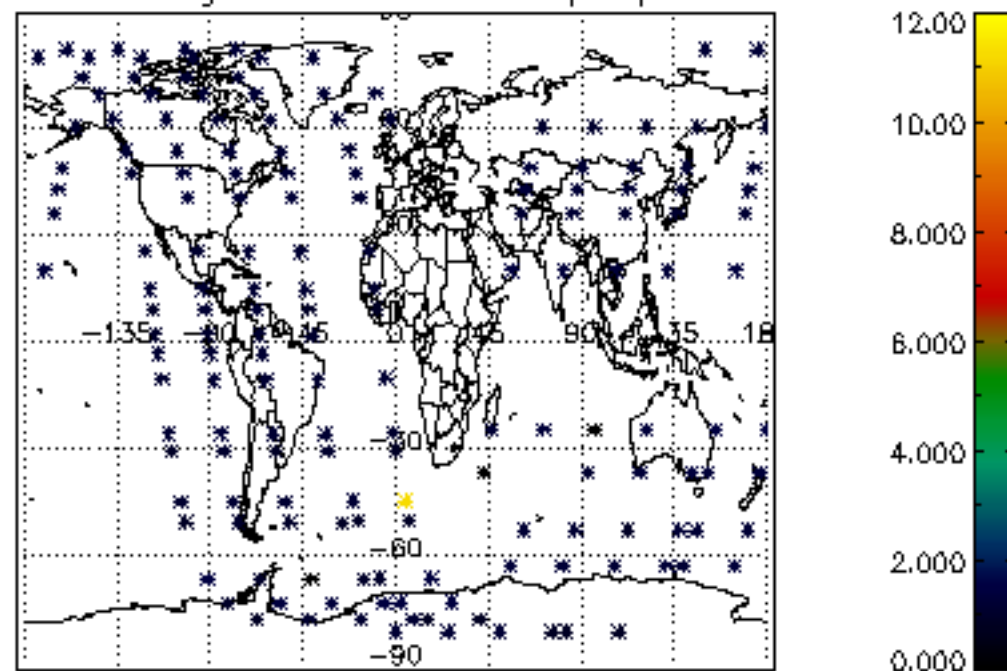




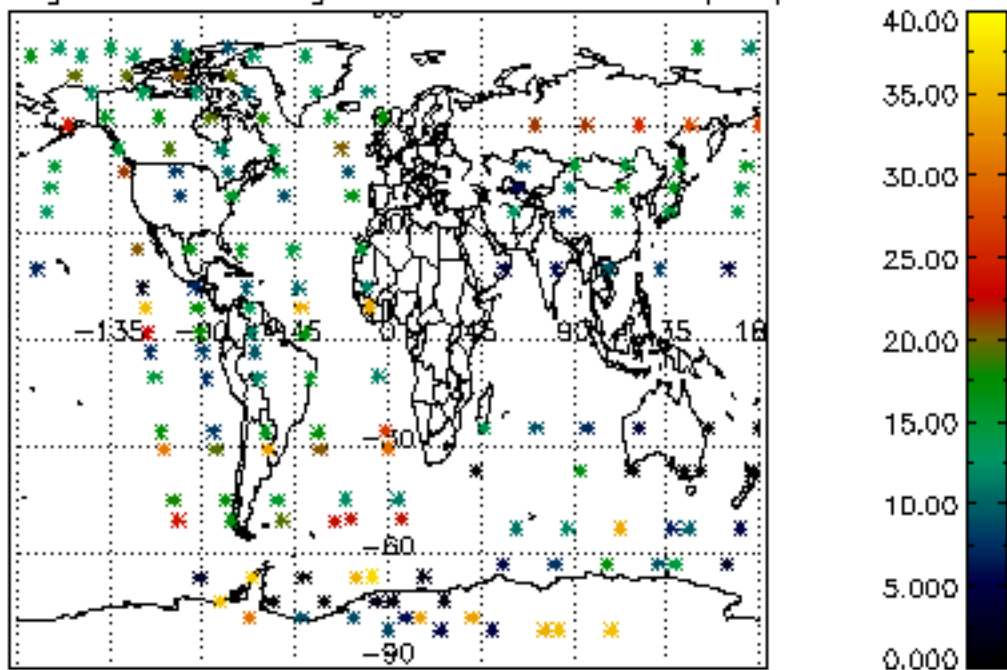
Percentage of cosmic ray hits per profile



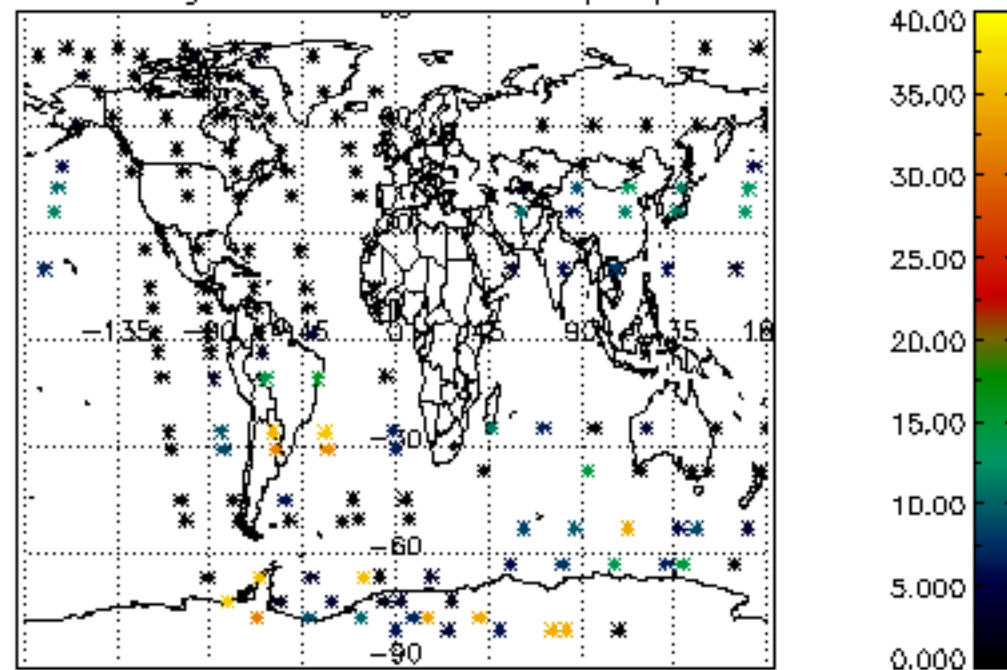
Percentage of datation errors per profile



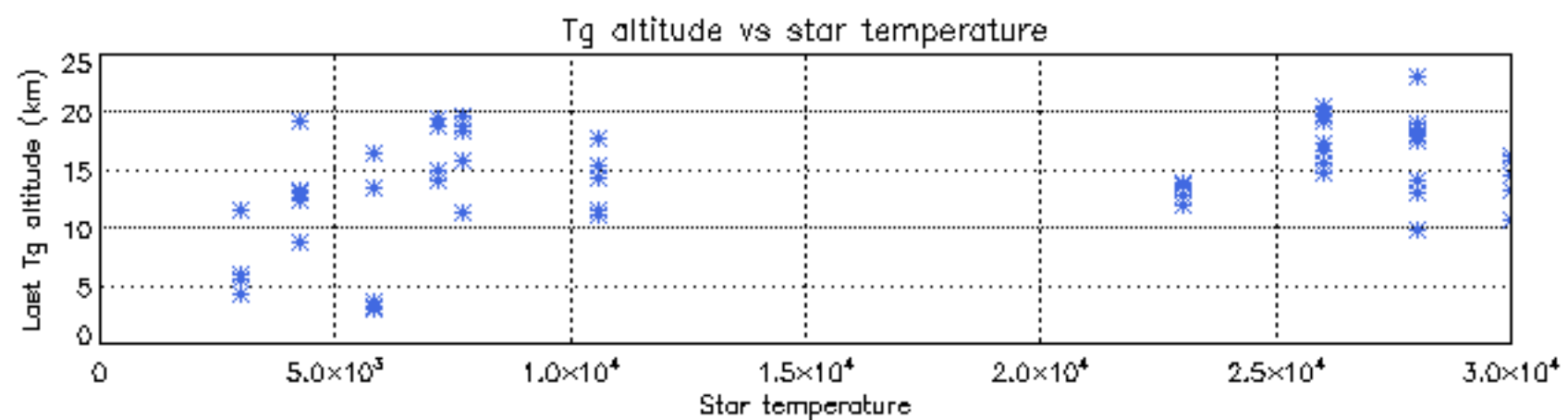
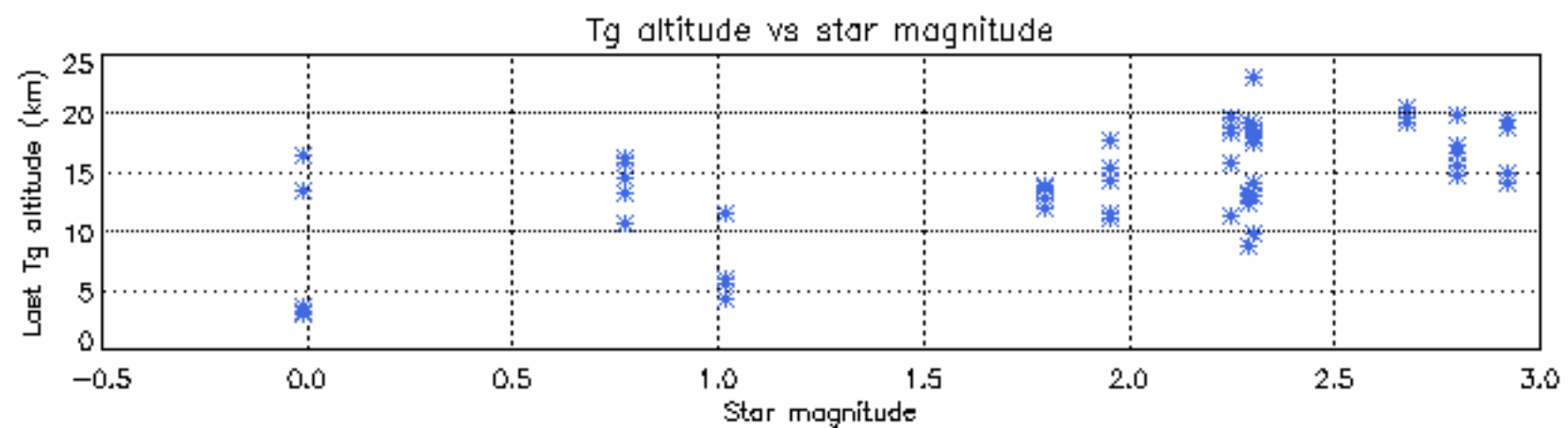
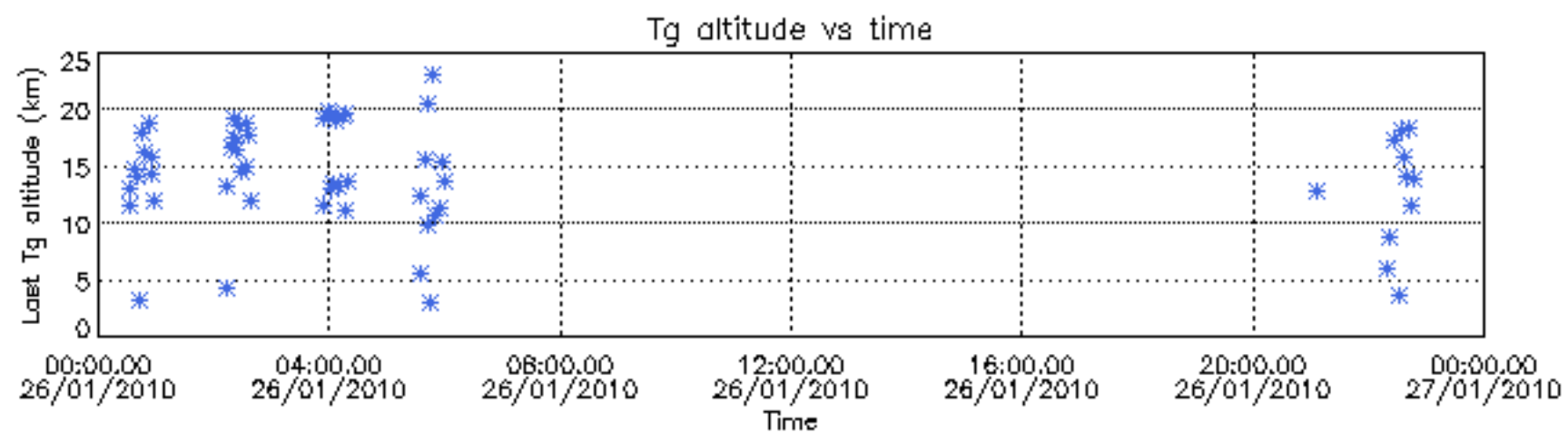
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

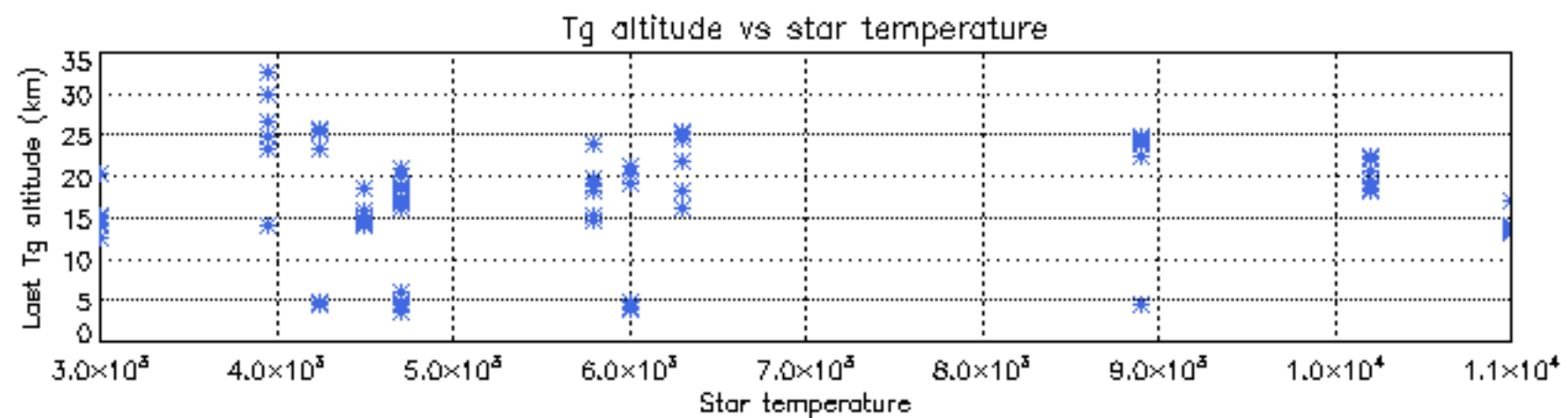
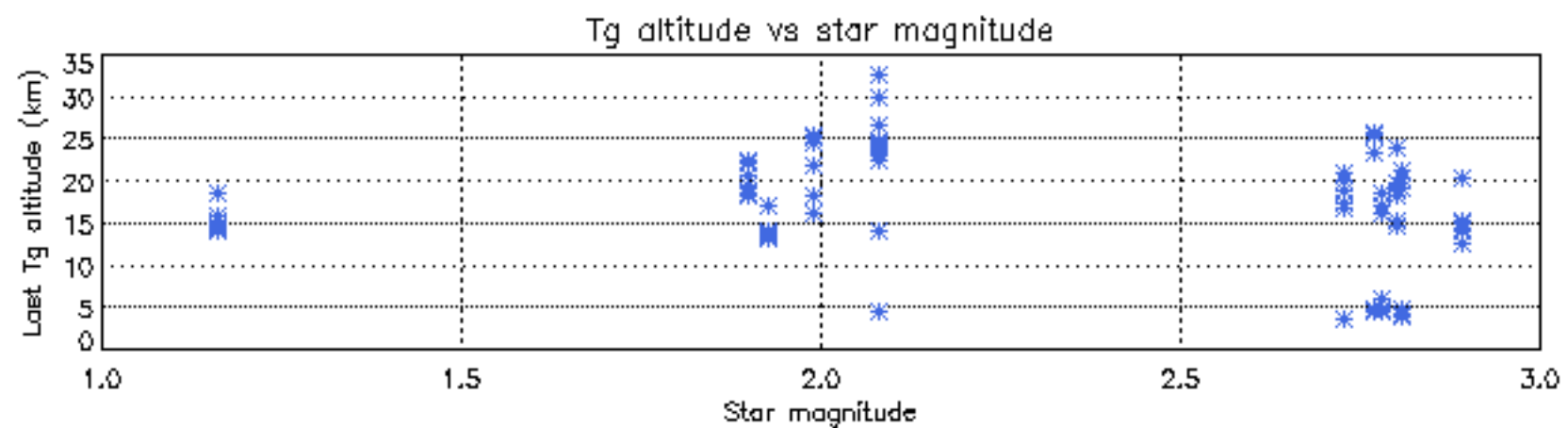
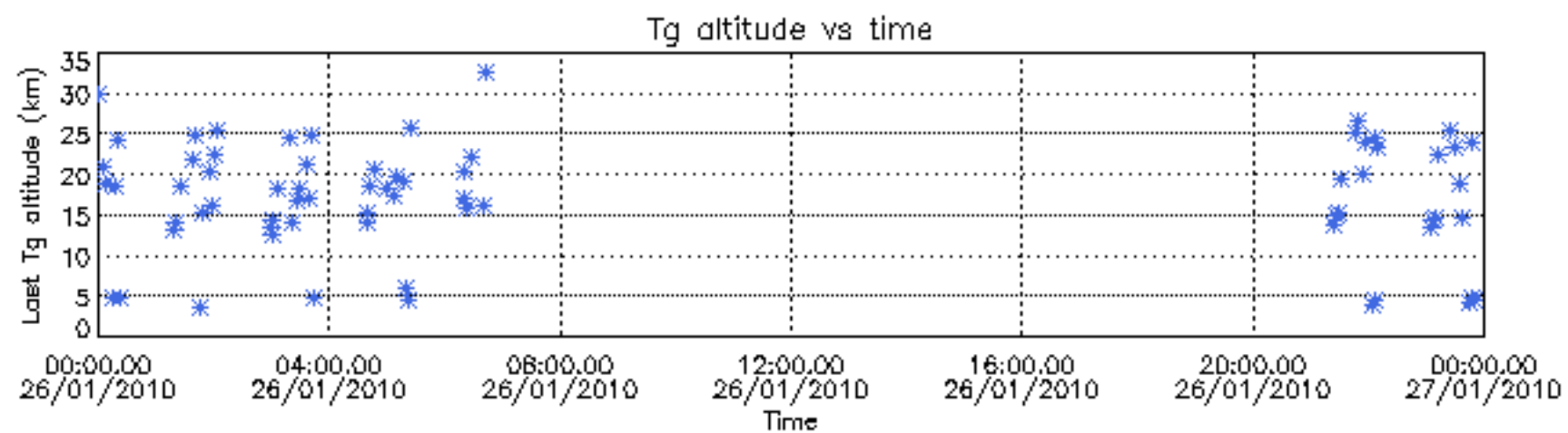


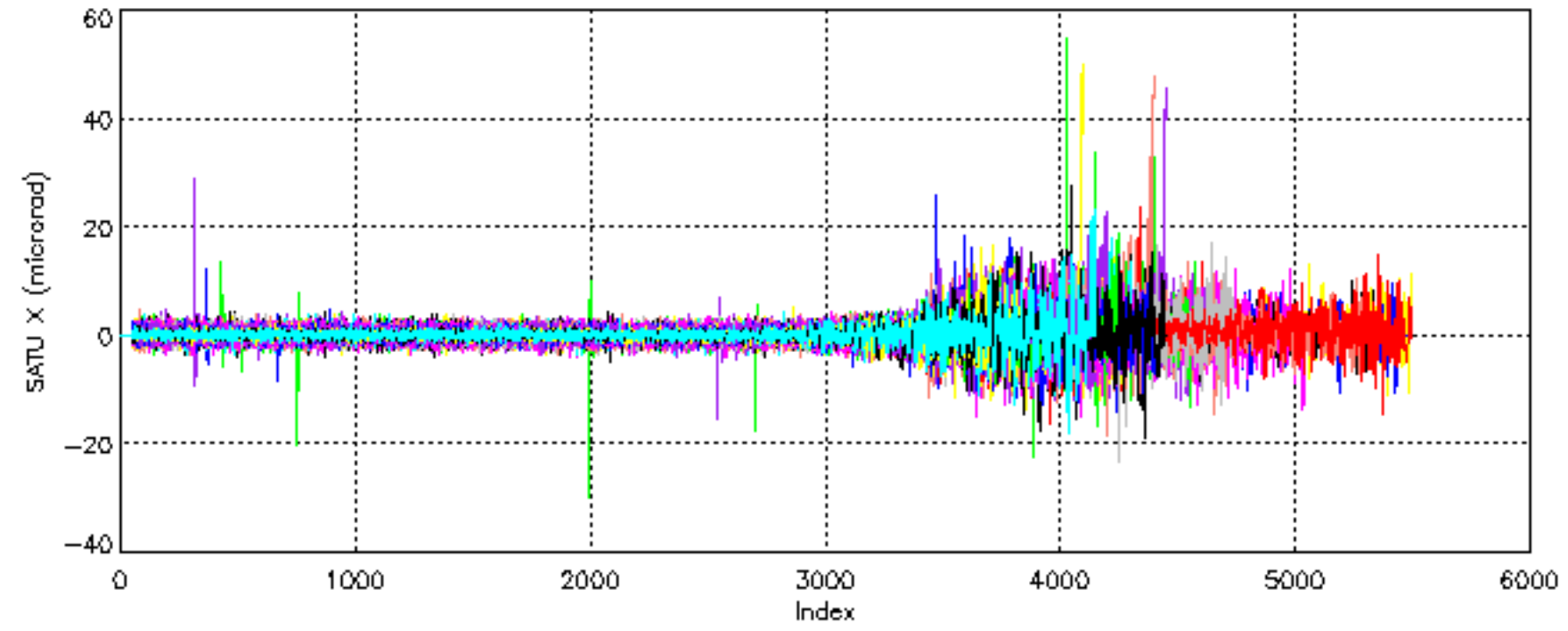
Tangent altitude at which the star is lost

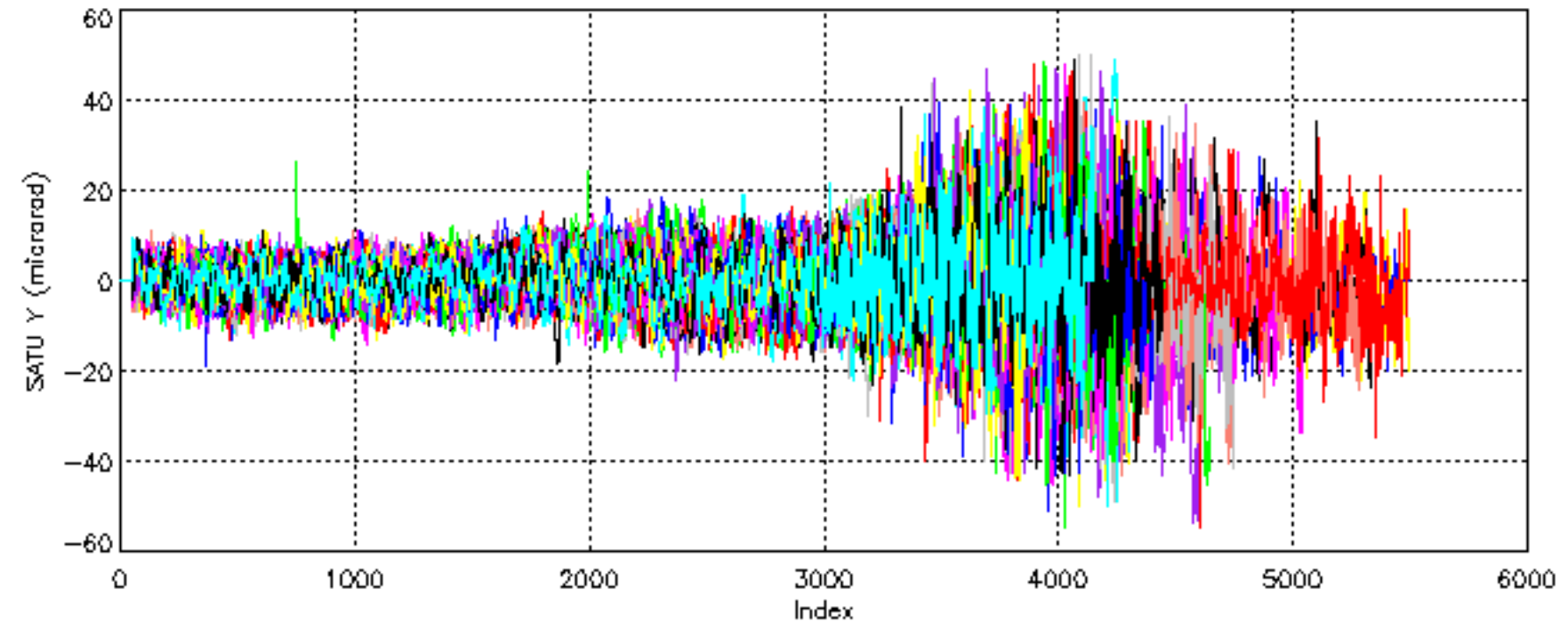


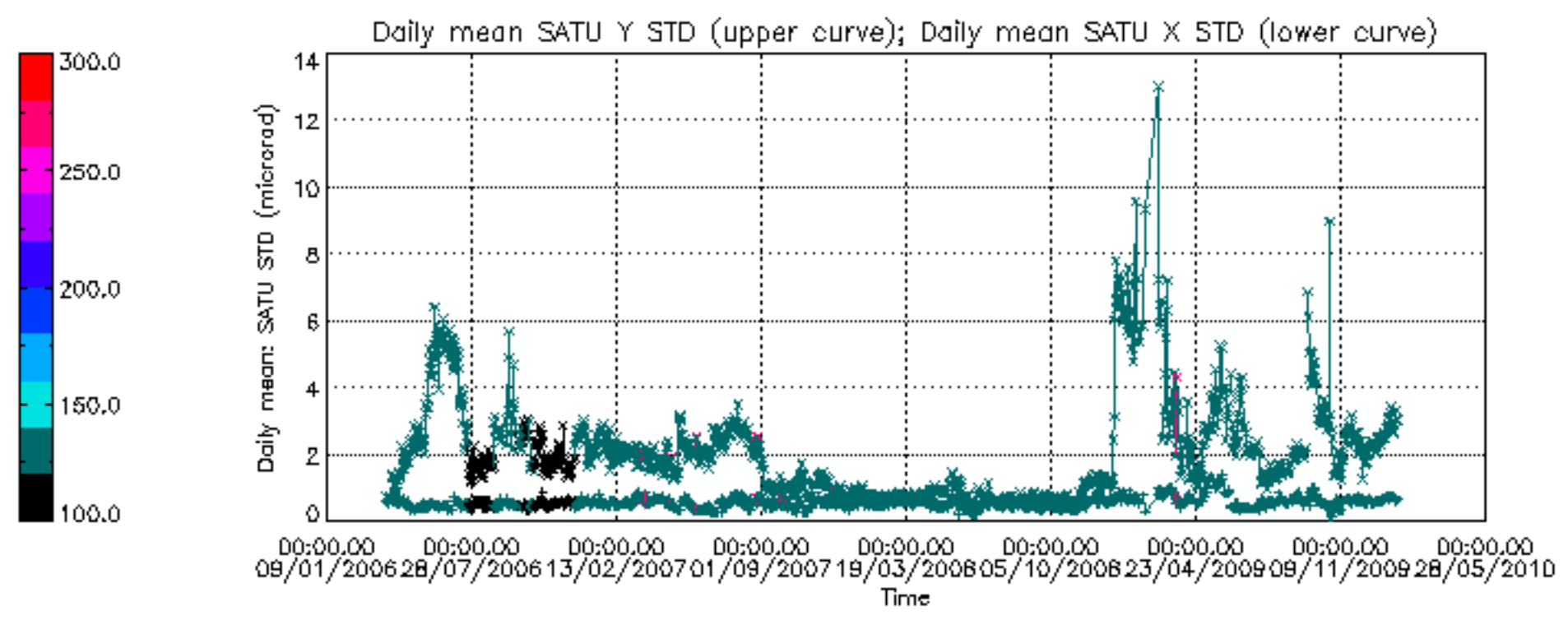


Tangent altitude at which the star is lost











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1; -682.4; 01-JAN-2010 00:14:36; Dark ; 43.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 86; 0;40980  
 2; -269.4; 01-JAN-2010 00:21:29; Dark ; 44.0; 54; 5The Cen ; 2.06; 4500;occ; 88; 0;40980  
 3; -103.6; 01-JAN-2010 00:24:15; Dark ; 40.5; 95; Zet Cen ; 2.55; 26000;occ; 81; 0;40980  
 4; 1.0; 01-JAN-2010 00:26:00; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;40981  
 5; 106.3; 01-JAN-2010 00:27:45; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;40981  
 6; 209.9; 01-JAN-2010 00:29:28; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40981  
 7; 476.2; 01-JAN-2010 00:33:55; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40981  
 8; 630.5; 01-JAN-2010 00:36:29; Dark ; 49.0; 71; Iot Car ; 2.25; 7700;occ; 98; 0;40981  
 9; 727.5; 01-JAN-2010 00:38:06; Dark ; 51.5; 41; Eps Car ; 1.86; 4100;occ; 103; 0;40981  
 10; 916.1; 01-JAN-2010 00:41:15; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;40981  
 11; 1047.9; 01-JAN-2010 00:43:26; Dark ; 45.0; 70; Zet Pup ; 2.25; 39000;occ; 90; 0;40981  
 12; 1172.3; 01-JAN-2010 00:45:31; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;40981  
 13; 1340.4; 01-JAN-2010 00:48:19; Dark ; 45.5; 23; 21Eps CMa ; 1.50; 26000;occ; 91; 0;40981  
 14; 1433.2; 01-JAN-2010 00:49:52; Dark ; 44.0; 179; 240mi2CMa ; 3.03; 24000;occ; 88; 0;40981  
 15; 1581.4; 01-JAN-2010 00:52:20; Dark ; 45.0; 1; 9Alp CMa ; -1.44; 11000;occ; 90; 0;40981  
 16; 1730.7; 01-JAN-2010 00:54:49; Dark ; 36.0; 56; 53Kap Ori ; 2.07; 30000;occ; 72; 0;40981  
 17; 1881.4; 01-JAN-2010 00:57:20; Dark ; 41.5; 30; 46Eps Ori ; 1.69; 30000;occ; 83; 0;40981  
 18; 2032.7; 01-JAN-2010 00:59:51; Dark ; 55.0; 14; 58Alp Ori ; 0.87; 3000;occ; 110; 0;40981  
 19; 2229.2; 01-JAN-2010 01:03:08; Dark ; 53.0; 44; 24Gam Gem ; 1.93; 11000;occ; 106; 0;40981  
 20; 2327.3; 01-JAN-2010 01:04:46; Bright; 44.0; 151; 13Mu Gem ; 2.89; 3000;occ; 88; 0;40981  
 21; 2566.8; 01-JAN-2010 01:08:45; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;40981  
 22; 2692.3; 01-JAN-2010 01:10:51; Bright; 42.0; 6; 13Alp Aur ; 0.08; 3400;occ; 84; 0;40981  
 23; 3691.0; 01-JAN-2010 01:27:30; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;40981  
 24; 3911.7; 01-JAN-2010 01:31:10; Bright; 50.5; 32; 77Eps UMa ; 1.76; 11000;occ; 101; 0;40981  
 25; 4108.8; 01-JAN-2010 01:34:27; Bright; 66.0; 39; 85Eta UMa ; 1.85; 24000;occ; 132; 0;40981  
 26; 4353.0; 01-JAN-2010 01:38:32; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;40981  
 27; 4574.5; 01-JAN-2010 01:42:13; Bright; 62.0; 83; ; 2.38; 11000;occ; 124; 0;40981  
 28; 4770.9; 01-JAN-2010 01:45:29; Bright; 53.5; 3; 16Alp Boo ; -0.05; 4250;occ; 107; 0;40981  
 29; 5194.3; 01-JAN-2010 01:52:33; Bright; 55.5; 104; 27Bet Lib ; 2.61; 13100;occ; 111; 0;40981

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20100101\_015236\_000045682085\_00346\_40981\_9244.N1

1; -838.1; 01-JAN-2010 01:52:36; Bright; 56.0; 104; 27Bet Lib ; 2.61; 13100;occ; 112; 7;40981  
 2; -681.9; 01-JAN-2010 01:55:13; Dark ; 43.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 87; 0;40981  
 3; -268.9; 01-JAN-2010 02:02:06; Dark ; 54.0; 54; 5The Cen ; 2.06; 4500;occ; 108; 0;40981  
 4; -102.9; 01-JAN-2010 02:04:52; Dark ; 39.5; 95; Zet Cen ; 2.55; 26000;occ; 79; 0;40981  
 5; 1.6; 01-JAN-2010 02:06:36; Dark ; 39.5; 77; Eps Cen ; 2.30; 28000;occ; 79; 0;40982  
 6; 107.0; 01-JAN-2010 02:08:22; Dark ; 44.0; 64; Gam Cen ; 2.20; 10600;occ; 88; 0;40982  
 7; 210.8; 01-JAN-2010 02:10:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40982  
 8; 477.2; 01-JAN-2010 02:14:32; Dark ; 48.0; 113; Mu Vel ; 2.69; 5000;occ; 96; 0;40982  
 9; 631.0; 01-JAN-2010 02:17:05; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40982  
 10; 745.4; 01-JAN-2010 02:19:00; Dark ; 46.0; 46; Del Vel ; 1.95; 10600;occ; 92; 0;40982  
 11; 916.7; 01-JAN-2010 02:21:51; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;40982  
 12; 1048.4; 01-JAN-2010 02:24:03; Dark ; 48.5; 70; Zet Pup ; 2.25; 39000;occ; 97; 0;40982  
 13; 1172.7; 01-JAN-2010 02:26:07; Dark ; 48.0; 117; Pi Pup ; 2.71; 3800;occ; 96; 0;40982  
 14; 1340.9; 01-JAN-2010 02:28:55; Dark ; 46.5; 23; 21Eps CMa ; 1.50; 26000;occ; 93; 0;40982  
 15; 1433.4; 01-JAN-2010 02:30:28; Dark ; 45.0; 179; 240mi2CMa ; 3.03; 24000;occ; 90; 0;40982  
 16; 1581.5; 01-JAN-2010 02:32:56; Dark ; 39.5; 1; 9Alp CMa ; -1.44; 11000;occ; 79; 0;40982  
 17; 1731.0; 01-JAN-2010 02:35:25; Dark ; 41.5; 56; 53Kap Ori ; 2.07; 30000;occ; 83; 0;40982  
 18; 1881.3; 01-JAN-2010 02:37:56; Dark ; 41.5; 30; 46Eps Ori ; 1.69; 30000;occ; 83; 0;40982  
 19; 2032.7; 01-JAN-2010 02:40:27; Dark ; 50.5; 14; 58Alp Ori ; 0.87; 3000;occ; 101; 0;40982  
 20; 2228.8; 01-JAN-2010 02:43:43; Dark ; 50.0; 44; 24Gam Gem ; 1.93; 11000;occ; 100; 0;40982  
 21; 2327.1; 01-JAN-2010 02:45:22; Bright; 46.5; 151; 13Mu Gem ; 2.89; 3000;occ; 93; 0;40982  
 22; 2566.5; 01-JAN-2010 02:49:21; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;40982  
 23; 2692.2; 01-JAN-2010 02:51:27; Bright; 42.5; 6; 13Alp Aur ; 0.08; 3400;occ; 85; 0;40982  
 24; 3690.9; 01-JAN-2010 03:08:05; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 0;40982

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20100101\_031146\_000058312085\_00347\_40982\_9245.N1

1; -2124.7; 01-JAN-2010 03:11:46; Bright; 52.0; 32; 77Eps UMa ; 1.76; 11000;occ; 104; 0;40982  
 2; -1927.2; 01-JAN-2010 03:15:03; Bright; 66.0; 39; 85Eta UMa ; 1.85; 24000;occ; 132; 0;40982  
 3; -1682.7; 01-JAN-2010 03:19:08; Bright; 62.0; 180; 27Gam Boo ; 3.04; 8000;occ; 124; 0;40982  
 4; -1461.4; 01-JAN-2010 03:22:49; Bright; 42.0; 83; ; 2.38; 11000;occ; 84; 0;40982  
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4; 1347.7; 02-JAN-2010 20:24:01; Dark ; 47.0; 23; 21Eps CMA ; 1.50; 26000;occ; 94; 0;41007
5; 1439.4; 02-JAN-2010 20:25:32; Dark ; 43.5; 179; 240mi2CMA ; 3.03; 24000;occ; 87; 0;41007
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11; 2690.6; 02-JAN-2010 20:46:24; Bright; 41.0; 6; 13Alp Aur ; 0.08; 3400;occ; 82; 0;41007
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13; 3900.6; 02-JAN-2010 21:06:34; Bright; 50.5; 32; 77Eps UMa ; 1.76; 11000;occ; 101; 0;41007
14; 4103.5; 02-JAN-2010 21:09:56; Bright; 48.5; 39; 85Eta UMa ; 1.85; 24000;occ; 97; 0;41007
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16; 4580.4; 02-JAN-2010 21:17:53; Bright; 42.5; 83; ; 2.38; 11000;occ; 85; 0;41007
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18; 2220.9; 02-JAN-2010 22:19:10; Dark ; 49.5; 44; 24Gam Gem ; 1.93; 11000;occ; 99; 0;41008
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22; 3688.3; 02-JAN-2010 22:43:37; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;41008
23; 3900.4; 02-JAN-2010 22:47:09; Bright; 58.0; 32; 77Eps UMa ; 1.76; 11000;occ; 116; 0;41008
24; 4103.2; 02-JAN-2010 22:50:32; Bright; 67.0; 39; 85Eta UMa ; 1.85; 24000;occ; 134; 0;41008
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26; 4580.0; 02-JAN-2010 22:58:29; Bright; 63.0; 83; ; 2.38; 11000;occ; 126; 0;41008
27; 4783.1; 02-JAN-2010 23:01:52; Bright; 57.0; 3; 16Alp Boo ; -0.05; 4250;occ; 114; 0;41008
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9;	930.5;	02-JAN-2010	23:38:15;	Dark	;	46.5;	34;	Gam2Vel	;	1.79;	23000;occ;	93;	0;41009
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13;	1439.7;	02-JAN-2010	23:46:44;	Dark	;	44.5;	179;	240mi2CMA	;	3.03;	24000;occ;	89;	0;41009
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16;	2220.3;	02-JAN-2010	23:59:45;	Dark	;	51.0;	44;	24Gam Gem	;	1.93;	11000;occ;	102;	0;41009
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21;	3899.8;	03-JAN-2010	00:27:45;	Bright;	;	49.0;	32;	77Eps UMA	;	1.76;	11000;occ;	98;	0;41009
22;	4103.0;	03-JAN-2010	00:31:08;	Bright;	;	45.5;	39;	85Eta UMA	;	1.85;	24000;occ;	91;	0;41009
23;	4353.7;	03-JAN-2010	00:35:18;	Bright;	;	63.0;	180;	27Gam Boo	;	3.04;	8000;occ;	126;	0;41009
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25;	4783.4;	03-JAN-2010	00:42:28;	Bright;	;	56.5;	3;	16Alp Boo	;	-0.05;	4250;occ;	113;	0;41009
26;	4899.3;	03-JAN-2010	00:44:24;	Bright;	;	54.0;	102;	24Alp Ser	;	2.60;	4250;occ;	108;	0;41009
27;	5207.8;	03-JAN-2010	00:49:33;	Bright;	;	36.0;	104;	27Bet Lib	;	2.61;	13100;occ;	72;	0;41009
28;	5371.0;	03-JAN-2010	00:52:16;	Dark	;	43.5;	122;	9Alp2Lib	;	2.75;	9700;occ;	87;	0;41009
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2;	-2131.5;	02-JAN-2010	06:01:14;	Bright;	;	44.0;	32;	77Eps UMA	;	1.76;	11000;occ;	88;	0;40998
3;	-1930.8;	02-JAN-2010	06:04:35;	Bright;	;	67.0;	39;	85Eta UMA	;	1.85;	24000;occ;	134;	0;40998
4;	-1682.5;	02-JAN-2010	06:08:43;	Bright;	;	63.0;	180;	27Gam Boo	;	3.04;	8000;occ;	126;	0;40998
5;	-1457.8;	02-JAN-2010	06:12:28;	Bright;	;	43.0;	83;		;	2.38;	11000;occ;	86;	0;40998
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7;	-1139.7;	02-JAN-2010	06:17:46;	Bright;	;	49.0;	102;	24Alp Ser	;	2.60;	4250;occ;	98;	0;40998
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11;	-92.2;	02-JAN-2010	06:35:13;	Dark	;	40.0;	95;	Zet Cen	;	2.55;	26000;occ;	80;	0;40998
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22;	1437.4;	02-JAN-2010	07:00:43;	Dark	;	44.0;	179;	240mi2CMA	;	3.03;	24000;occ;	88;	0;40999
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4;	2223.4;	02-JAN-2010	07:13:49;	Dark	;	45.5;	44;	24Gam Gem	;	1.93;	11000;occ;	91;	0;40999
5;	2322.2;	02-JAN-2010	07:15:28;	Bright;	;	47.5;	151;	13Mu Gem	;	2.89;	3000;occ;	95;	0;40999
6;	2562.7;	02-JAN-2010	07:19:28;	Bright;	;	38.5;	107;	37The Aur	;	2.65;	11000;occ;	77;	0;40999
7;	2691.3;	02-JAN-2010	07:21:37;	Bright;	;	42.0;	6;	13Alp Aur	;	0.08;	3400;occ;	84;	0;40999
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9;	3904.1;	02-JAN-2010	07:41:50;	Bright;	;	46.5;	32;	77Eps UMA	;	1.76;	11000;occ;	93;	0;40999
10;	4105.2;	02-JAN-2010	07:45:11;	Bright;	;	44.0;	39;	85Eta UMA	;	1.85;	24000;occ;	88;	0;40999
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13;	4779.1;	02-JAN-2010	07:56:25;	Bright;	;	55.0;	3;	16Alp Boo	;	-0.05;	4250;occ;	110;	0;40999
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 9; -653.1; 04-JAN-2010 07:03:14; Dark ; 47.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 94; 0;41027  
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 11; 145.3; 04-JAN-2010 07:16:33; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;41028  
 12; 253.6; 04-JAN-2010 07:18:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41028  
 13; 517.9; 04-JAN-2010 07:22:45; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;41028  
 14; 655.5; 04-JAN-2010 07:25:03; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;41028  
 15; 769.9; 04-JAN-2010 07:26:57; Dark ; 40.5; 46; Del Vel ; 1.95; 10600;occ; 81; 0;41028  
 16; 939.9; 04-JAN-2010 07:29:47; Dark ; 41.5; 34; Gam2Vel ; 1.79; 23000;occ; 83; 0;41028  
 17; 1071.1; 04-JAN-2010 07:31:58; Dark ; 45.0; 70; Zet Pup ; 2.25; 39000;occ; 90; 0;41028  
 18; 1189.1; 04-JAN-2010 07:33:56; Dark ; 45.0; 117; Pi Pup ; 2.71; 3800;occ; 90; 0;41028  
 19; 1353.2; 04-JAN-2010 07:36:41; Dark ; 45.0; 23; 21Eps CMa ; 1.50; 26000;occ; 90; 0;41028  
 20; 1443.7; 04-JAN-2010 07:38:11; Dark ; 45.0; 179; 24Omi2CMA ; 3.03; 24000;occ; 90; 0;41028  
 21; 1587.4; 04-JAN-2010 07:40:35; Dark ; 48.0; 1; 9Alp CMa ; -1.44; 11000;occ; 96; 0;41028

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20100104\_074122\_000060372085\_00393\_41028\_5948.N1

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

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



5; 2556.5; 04-JAN-2010 09:37:20; Bright; 39.0; 107; 37The Aur ; 2.65; 11000;occ; 78; 0;41029  
6; 2689.8; 04-JAN-2010 09:39:33; Bright; 38.0; 42; 34Bet Aur ; 1.90; 10200;occ; 76; 0;41029  
7; 3686.2; 04-JAN-2010 09:56:09; Bright; 43.0; 60; 7Bet UMi ; 2.08; 3950;occ; 86; 0;41029  
8; 3955.0; 04-JAN-2010 10:00:38; Bright; 49.5; 55; 79Zet UMa ; 2.06; 10200;occ; 99; 0;41029  
9; 4098.3; 04-JAN-2010 10:03:02; Bright; 48.0; 39; 85Eta UMa ; 1.85; 24000;occ; 96; 0;41029  
10; 4354.4; 04-JAN-2010 10:07:18; Bright; 44.5; 180; 27Gam Boo ; 3.04; 8000;occ; 89; 0;41029  
11; 4585.1; 04-JAN-2010 10:11:08; Bright; 43.5; 83; ; 2.38; 11000;occ; 87; 0;41029  
12; 4905.7; 04-JAN-2010 10:16:29; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;41029  
13; 5218.0; 04-JAN-2010 10:21:41; Bright; 51.0; 104; 27Bet Lib ; 2.61; 13100;occ; 102; 0;41029  
14; 5384.3; 04-JAN-2010 10:24:28; Dark ; 46.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 92; 0;41029  
15; 5803.6; 04-JAN-2010 10:31:27; Dark ; 53.0; 54; 5The Cen ; 2.06; 4500;occ; 106; 0;41029  
16; 5963.6; 04-JAN-2010 10:34:07; Dark ; 45.5; 95; Zet Cen ; 2.55; 26000;occ; 91; 0;41029  
17; 6065.8; 04-JAN-2010 10:35:49; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;41029  
18; 6182.9; 04-JAN-2010 10:37:46; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;41029  
19; 6291.4; 04-JAN-2010 10:39:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41029  
20; 6555.2; 04-JAN-2010 10:43:59; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;41029  
21; 6692.4; 04-JAN-2010 10:46:16; Dark ; 47.5; 71; Iot Car ; 2.25; 7700;occ; 95; 0;41029  
22; 6806.9; 04-JAN-2010 10:48:10; Dark ; 41.5; 46; Del Vel ; 1.95; 10600;occ; 83; 0;41029  
23; 6976.7; 04-JAN-2010 10:51:00; Dark ; 43.0; 34; Gam2Vel ; 1.79; 23000;occ; 86; 0;41029  
24; 7107.7; 04-JAN-2010 10:53:11; Dark ; 47.5; 70; Zet Pup ; 2.25; 39000;occ; 95; 0;41029  
25; 7225.8; 04-JAN-2010 10:55:09; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;41029  
26; 7389.4; 04-JAN-2010 10:57:53; Dark ; 44.5; 23; 21Eps CMa ; 1.50; 26000;occ; 89; 0;41029  
27; 7480.0; 04-JAN-2010 10:59:23; Dark ; 43.5; 179; 240mi2CMa ; 3.03; 24000;occ; 87; 0;41029  
28; 7623.3; 04-JAN-2010 11:01:47; Dark ; 17.0; 1; 9Alp CMa ; -1.44; 11000;occ; 34; 0;41029

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

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1; 1587.7; 04-JAN-2010 12:42:23; Dark ; 52.0; 1; 9Alp CMa ; -1.44; 11000;occ; 104; 0;41031  
2; 2031.0; 04-JAN-2010 12:49:46; Dark ; 47.5; 14; 58Alp Ori ; 0.87; 3000;occ; 95; 0;41031  
3; 2214.3; 04-JAN-2010 12:52:49; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;41031  
4; 2313.6; 04-JAN-2010 12:54:29; Bright; 48.0; 151; 13Mu Gem ; 2.89; 3000;occ; 96; 0;41031  
5; 2556.0; 04-JAN-2010 12:58:31; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;41031  
6; 2689.4; 04-JAN-2010 13:00:44; Bright; 38.0; 42; 34Bet Aur ; 1.90; 10200;occ; 76; 0;41031  
7; 3685.5; 04-JAN-2010 13:17:21; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;41031  
8; 3954.8; 04-JAN-2010 13:21:50; Bright; 47.0; 55; 79Zet UMa ; 2.06; 10200;occ; 94; 0;41031  
9; 4354.7; 04-JAN-2010 13:28:30; Bright; 43.0; 180; 27Gam Boo ; 3.04; 8000;occ; 86; 0;41031  
10; 4585.4; 04-JAN-2010 13:32:20; Bright; 44.5; 83; ; 2.38; 11000;occ; 89; 0;41031  
11; 4906.7; 04-JAN-2010 13:37:42; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;41031  
12; 5218.8; 04-JAN-2010 13:42:54; Bright; 44.0; 104; 27Bet Lib ; 2.61; 13100;occ; 88; 0;41031  
13; 5385.6; 04-JAN-2010 13:45:41; Dark ; 44.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 89; 0;41031  
14; 5805.2; 04-JAN-2010 13:52:40; Dark ; 56.0; 54; 5The Cen ; 2.06; 4500;occ; 112; 0;41031  
15; 5965.1; 04-JAN-2010 13:55:20; Dark ; 40.0; 95; Zet Cen ; 2.55; 26000;occ; 80; 0;41031  
16; 6066.9; 04-JAN-2010 13:57:02; Dark ; 38.5; 77; Eps Cen ; 2.30; 28000;occ; 77; 0;41031



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

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

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1; 1354.4; 04-JAN-2010 15:59:41; Dark ; 45.5; 23; 21Eps CMa ; 1.50; 26000;occ; 91; 0;41033  
 2; 1444.7; 04-JAN-2010 16:01:12; Dark ; 43.5; 179; 240mi2CMa ; 3.03; 24000;occ; 87; 0;41033  
 3; 1588.1; 04-JAN-2010 16:03:35; Dark ; 49.5; 1; 9Alp CMa ; -1.44; 11000;occ; 99; 0;41033  
 4; 2031.1; 04-JAN-2010 16:10:58; Dark ; 51.5; 14; 58Alp Ori ; 0.87; 3000;occ; 103; 0;41033  
 5; 2213.7; 04-JAN-2010 16:14:01; Dark ; 49.5; 44; 24Gam Gem ; 1.93; 11000;occ; 99; 0;41033  
 6; 2313.1; 04-JAN-2010 16:15:40; Bright; 47.0; 151; 13Mu Gem ; 2.89; 3000;occ; 94; 0;41033  
 7; 2555.6; 04-JAN-2010 16:19:43; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;41033  
 8; 2689.2; 04-JAN-2010 16:21:56; Bright; 38.0; 42; 34Bet Aur ; 1.90; 10200;occ; 76; 0;41033  
 9; 3685.3; 04-JAN-2010 16:38:32; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;41033  
 10; 3953.8; 04-JAN-2010 16:43:01; Bright; 53.5; 55; 79Zet UMa ; 2.06; 10200;occ; 107; 0;41033  
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 22; 2208.4; 06-JAN-2010 03:26:30; Dark ; 47.0; 44; 24Gam Gem ; 1.93; 11000;occ; 94; 0;41054  
 23; 2308.5; 06-JAN-2010 03:28:10; Bright; 45.0; 151; 13Mu Gem ; 2.89; 3000;occ; 90; 0;41054  
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 27; 2685.1; 06-JAN-2010 05:15:02; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;41055  
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13; 1201.2; 06-JAN-2010 23:16:54; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;41066
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 15; 670.4; 06-JAN-2010 08:02:40; Dark ; 48.5; 71; Iot Car ; 2.25; 7700;occ; 97; 0;41057  
 16; 784.3; 06-JAN-2010 08:04:34; Dark ; 40.5; 46; Del Vel ; 1.95; 10600;occ; 81; 0;41057  
 17; 953.2; 06-JAN-2010 08:07:23; Dark ; 41.5; 34; Gam2Vel ; 1.79; 23000;occ; 83; 0;41057  
 18; 1084.0; 06-JAN-2010 08:09:33; Dark ; 45.5; 70; Zet Pup ; 2.25; 39000;occ; 91; 0;41057  
 19; 1198.4; 06-JAN-2010 08:11:28; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;41057  
 20; 1360.5; 06-JAN-2010 08:14:10; Dark ; 44.0; 23; 21Eps CMa ; 1.50; 26000;occ; 88; 0;41057  
 21; 1449.8; 06-JAN-2010 08:15:39; Dark ; 42.5; 179; 240mi2CMa ; 3.03; 24000;occ; 85; 0;41057  
 22; 1591.2; 06-JAN-2010 08:18:01; Dark ; 47.0; 1; 9Alp CMa ; -1.44; 11000;occ; 94; 0;41057

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1; 1591.2; 06-JAN-2010 08:18:01; Dark ; 47.5; 1; 9Alp CMa ; -1.44; 11000;occ; 95; 0;41057  
 2; 2030.8; 06-JAN-2010 08:25:20; Dark ; 53.0; 14; 58Alp Ori ; 0.87; 3000;occ; 106; 0;41057  
 3; 2207.8; 06-JAN-2010 08:28:17; Dark ; 46.0; 44; 24Gam Gem ; 1.93; 11000;occ; 92; 0;41057  
 4; 2308.0; 06-JAN-2010 08:29:57; Bright; 44.5; 151; 13Mu Gem ; 2.89; 3000;occ; 89; 0;41057  
 5; 2551.5; 06-JAN-2010 08:34:01; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;41057  
 6; 2684.4; 06-JAN-2010 08:36:14; Bright; 37.5; 42; 34Bet Aur ; 1.90; 10200;occ; 75; 0;41057  
 7; 3682.3; 06-JAN-2010 08:52:52; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;41057  
 8; 3924.4; 06-JAN-2010 08:56:54; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;41057  
 9; 4091.1; 06-JAN-2010 08:59:40; Bright; 47.0; 39; 85Eta UMa ; 1.85; 24000;occ; 94; 0;41057  
 10; 4354.8; 06-JAN-2010 09:04:04; Bright; 43.5; 180; 27Gam Boo ; 3.04; 8000;occ; 87; 0;41057  
 11; 4591.4; 06-JAN-2010 09:08:01; Bright; 66.0; 83; ; 2.38; 11000;occ; 132; 0;41057  
 12; 4915.8; 06-JAN-2010 09:13:25; Bright; 56.0; 102; 24Alp Ser ; 2.60; 4250;occ; 112; 0;41057  
 13; 5232.8; 06-JAN-2010 09:18:42; Dark ; 46.0; 104; 27Bet Lib ; 2.61; 13100;occ; 92; 0;41057  
 14; 5403.7; 06-JAN-2010 09:21:33; Dark ; 46.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 92; 0;41057  
 15; 5826.1; 06-JAN-2010 09:28:35; Dark ; 49.5; 54; 5The Cen ; 2.06; 4500;occ; 99; 0;41057  
 16; 5982.4; 06-JAN-2010 09:31:12; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;41057  
 17; 6082.7; 06-JAN-2010 09:32:52; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;41057  
 18; 6206.9; 06-JAN-2010 09:34:56; Dark ; 44.0; 64; Gam Cen ; 2.20; 10600;occ; 88; 0;41057  
 19; 6317.7; 06-JAN-2010 09:36:47; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41057  
 20; 6579.6; 06-JAN-2010 09:41:09; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;41057  
 21; 6706.7; 06-JAN-2010 09:43:16; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;41057  
 22; 6820.8; 06-JAN-2010 09:45:10; Dark ; 42.5; 46; Del Vel ; 1.95; 10600;occ; 85; 0;41057  
 23; 6989.6; 06-JAN-2010 09:47:59; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;41057  
 24; 7120.6; 06-JAN-2010 09:50:10; Dark ; 46.0; 70; Zet Pup ; 2.25; 39000;occ; 92; 0;41057  
 25; 7234.6; 06-JAN-2010 09:52:04; Dark ; 45.0; 117; Pi Pup ; 2.71; 3800;occ; 90; 0;41057  
 26; 7396.5; 06-JAN-2010 09:54:46; Dark ; 44.5; 23; 21Eps CMa ; 1.50; 26000;occ; 89; 0;41057  
 27; 7485.9; 06-JAN-2010 09:56:15; Dark ; 42.5; 179; 240mi2CMa ; 3.03; 24000;occ; 85; 0;41057  
 28; 7627.0; 06-JAN-2010 09:58:36; Dark ; 49.0; 1; 9Alp CMa ; -1.44; 11000;occ; 98; 0;41057

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1; 1603.6; 06-JAN-2010 09:58:49; Dark ; 49.5; 1; 9Alp CMa ; -1.44; 11000;occ; 99; 25;41058  
 2; 2031.0; 06-JAN-2010 10:05:56; Dark ; 48.0; 14; 58Alp Ori ; 0.87; 3000;occ; 96; 0;41058  
 3; 2207.4; 06-JAN-2010 10:08:53; Dark ; 46.5; 44; 24Gam Gem ; 1.93; 11000;occ; 93; 0;41058



4; 2307.8; 06-JAN-2010 10:10:33; Bright; 42.5; 151; 13Mu Gem ; 2.89; 3000;occ; 85; 0;41058  
5; 2551.2; 06-JAN-2010 10:14:36; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;41058  
6; 2684.3; 06-JAN-2010 10:16:50; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;41058  
7; 3682.5; 06-JAN-2010 10:33:28; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;41058  
8; 3924.4; 06-JAN-2010 10:37:30; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;41058  
9; 4091.0; 06-JAN-2010 10:40:16; Bright; 44.0; 39; 85Eta UMa ; 1.85; 24000;occ; 88; 0;41058  
10; 4354.8; 06-JAN-2010 10:44:40; Bright; 46.0; 180; 27Gam Boo ; 3.04; 8000;occ; 92; 0;41058  
11; 4591.7; 06-JAN-2010 10:48:37; Bright; 64.0; 83; ; 2.38; 11000;occ; 128; 0;41058  
12; 4916.1; 06-JAN-2010 10:54:01; Bright; 56.0; 102; 24Alp Ser ; 2.60; 4250;occ; 112; 0;41058  
13; 5233.3; 06-JAN-2010 10:59:19; Dark ; 46.5; 104; 27Bet Lib ; 2.61; 13100;occ; 93; 0;41058  
14; 5404.3; 06-JAN-2010 11:02:10; Dark ; 46.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 93; 0;41058  
15; 5826.9; 06-JAN-2010 11:09:12; Dark ; 50.0; 54; 5The Cen ; 2.06; 4500;occ; 100; 0;41058  
16; 5983.4; 06-JAN-2010 11:11:49; Dark ; 44.0; 95; Zet Cen ; 2.55; 26000;occ; 88; 0;41058  
17; 6083.5; 06-JAN-2010 11:13:29; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;41058  
18; 6207.5; 06-JAN-2010 11:15:33; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;41058  
19; 6318.6; 06-JAN-2010 11:17:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41058  
20; 6580.6; 06-JAN-2010 11:21:46; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;41058  
21; 6707.2; 06-JAN-2010 11:23:52; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;41058  
22; 6821.3; 06-JAN-2010 11:25:47; Dark ; 43.0; 46; Del Vel ; 1.95; 10600;occ; 86; 0;41058  
23; 6990.2; 06-JAN-2010 11:28:35; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;41058  
24; 7120.8; 06-JAN-2010 11:30:46; Dark ; 45.0; 70; Zet Pup ; 2.25; 39000;occ; 90; 0;41058  
25; 7235.1; 06-JAN-2010 11:32:40; Dark ; 44.0; 117; Pi Pup ; 2.71; 3800;occ; 88; 0;41058  
26; 7396.9; 06-JAN-2010 11:35:22; Dark ; 44.0; 23; 21Eps CMa ; 1.50; 26000;occ; 88; 0;41058  
27; 7485.9; 06-JAN-2010 11:36:51; Dark ; 42.5; 179; 240mi2CMa ; 3.03; 24000;occ; 85; 0;41058

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1; 1450.0; 06-JAN-2010 11:36:51; Dark ; 43.0; 179; 240mi2CMa ; 3.03; 24000;occ; 86; 0;41059  
2; 1591.4; 06-JAN-2010 11:39:13; Dark ; 49.5; 1; 9Alp CMa ; -1.44; 11000;occ; 99; 0;41059  
3; 2030.9; 06-JAN-2010 11:46:32; Dark ; 50.0; 14; 58Alp Ori ; 0.87; 3000;occ; 100; 0;41059  
4; 2207.2; 06-JAN-2010 11:49:28; Dark ; 45.5; 44; 24Gam Gem ; 1.93; 11000;occ; 91; 0;41059  
5; 2307.5; 06-JAN-2010 11:51:09; Bright; 43.5; 151; 13Mu Gem ; 2.89; 3000;occ; 87; 0;41059  
6; 2551.0; 06-JAN-2010 11:55:12; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;41059  
7; 2684.2; 06-JAN-2010 11:57:25; Bright; 39.5; 42; 34Bet Aur ; 1.90; 10200;occ; 79; 0;41059  
8; 3682.0; 06-JAN-2010 12:14:03; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;41059  
9; 3924.5; 06-JAN-2010 12:18:06; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;41059  
10; 4090.4; 06-JAN-2010 12:20:52; Bright; 47.5; 39; 85Eta UMa ; 1.85; 24000;occ; 95; 0;41059  
11; 4354.6; 06-JAN-2010 12:25:16; Bright; 44.0; 180; 27Gam Boo ; 3.04; 8000;occ; 88; 0;41059  
12; 4592.0; 06-JAN-2010 12:29:13; Bright; 51.0; 83; ; 2.38; 11000;occ; 102; 0;41059  
13; 4916.4; 06-JAN-2010 12:34:38; Bright; 56.0; 102; 24Alp Ser ; 2.60; 4250;occ; 112; 0;41059  
14; 5233.9; 06-JAN-2010 12:39:55; Dark ; 45.0; 104; 27Bet Lib ; 2.61; 13100;occ; 90; 0;41059  
15; 5405.2; 06-JAN-2010 12:42:46; Dark ; 47.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 94; 0;41059  
16; 5827.8; 06-JAN-2010 12:49:49; Dark ; 47.5; 54; 5The Cen ; 2.06; 4500;occ; 95; 0;41059  
17; 5983.8; 06-JAN-2010 12:52:25; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;41059  
18; 6084.0; 06-JAN-2010 12:54:05; Dark ; 43.0; 77; Eps Cen ; 2.30; 28000;occ; 86; 0;41059  
19; 6208.4; 06-JAN-2010 12:56:10; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;41059  
20; 6319.6; 06-JAN-2010 12:58:01; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41059  
21; 6581.5; 06-JAN-2010 13:02:23; Dark ; 49.0; 113; Mu Vel ; 2.69; 5000;occ; 98; 0;41059  
22; 6707.7; 06-JAN-2010 13:04:29; Dark ; 44.5; 71; Iot Car ; 2.25; 7700;occ; 89; 0;41059  
23; 6821.8; 06-JAN-2010 13:06:23; Dark ; 42.5; 46; Del Vel ; 1.95; 10600;occ; 85; 0;41059  
24; 6990.4; 06-JAN-2010 13:09:11; Dark ; 44.0; 34; Gam2Vel ; 1.79; 23000;occ; 88; 0;41059  
25; 7121.2; 06-JAN-2010 13:11:22; Dark ; 46.0; 70; Zet Pup ; 2.25; 39000;occ; 92; 0;41059  
26; 7235.6; 06-JAN-2010 13:13:17; Dark ; 44.5; 117; Pi Pup ; 2.71; 3800;occ; 89; 0;41059  
27; 7397.0; 06-JAN-2010 13:15:58; Dark ; 44.5; 23; 21Eps CMa ; 1.50; 26000;occ; 89; 0;41059  
28; 7486.1; 06-JAN-2010 13:17:27; Dark ; 41.0; 179; 240mi2CMa ; 3.03; 24000;occ; 82; 0;41059

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1; 1463.2; 06-JAN-2010 13:17:40; Dark ; 41.5; 179; 240mi2CMa ; 3.03; 24000;occ; 83; 26;41060  
2; 1591.2; 06-JAN-2010 13:19:48; Dark ; 47.0; 1; 9Alp CMa ; -1.44; 11000;occ; 94; 0;41060  
3; 2031.1; 06-JAN-2010 13:27:08; Dark ; 53.0; 14; 58Alp Ori ; 0.87; 3000;occ; 106; 0;41060  
4; 2207.0; 06-JAN-2010 13:30:04; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;41060  
5; 2307.3; 06-JAN-2010 13:31:44; Bright; 46.5; 151; 13Mu Gem ; 2.89; 3000;occ; 93; 0;41060  
6; 2550.9; 06-JAN-2010 13:35:48; Bright; 37.0; 107; 37The Aur ; 2.65; 11000;occ; 74; 0;41060  
7; 2684.0; 06-JAN-2010 13:38:01; Bright; 39.5; 42; 34Bet Aur ; 1.90; 10200;occ; 79; 0;41060  
8; 3682.2; 06-JAN-2010 13:54:39; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;41060  
9; 3924.5; 06-JAN-2010 13:58:42; Bright; 35.5; 119; 14Eta Dra ; 2.73; 4700;occ; 71; 0;41060  
10; 4090.3; 06-JAN-2010 14:01:27; Bright; 46.5; 39; 85Eta UMa ; 1.85; 24000;occ; 93; 0;41060  
11; 4354.9; 06-JAN-2010 14:05:52; Bright; 44.0; 180; 27Gam Boo ; 3.04; 8000;occ; 88; 0;41060  
12; 4591.9; 06-JAN-2010 14:09:49; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;41060  
13; 4916.8; 06-JAN-2010 14:15:14; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;41060  
14; 5234.6; 06-JAN-2010 14:20:32; Dark ; 43.5; 104; 27Bet Lib ; 2.61; 13100;occ; 87; 0;41060



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

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

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 2; 1361.5; 06-JAN-2010 16:37:10; Dark ; 43.0; 23; 21Eps CMa ; 1.50; 26000;occ; 86; 0;41062  
 3; 1450.9; 06-JAN-2010 16:38:40; Dark ; 43.5; 179; 240mi2CMa ; 3.03; 24000;occ; 87; 0;41062  
 4; 1591.7; 06-JAN-2010 16:41:01; Dark ; 48.0; 1; 9Alp CMa ; -1.44; 11000;occ; 96; 0;41062  
 5; 2031.0; 06-JAN-2010 16:48:20; Dark ; 53.0; 14; 58Alp Ori ; 0.87; 3000;occ; 106; 0;41062  
 6; 2207.0; 06-JAN-2010 16:51:16; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;41062  
 7; 2306.9; 06-JAN-2010 16:52:56; Bright; 46.0; 151; 13Mu Gem ; 2.89; 3000;occ; 92; 0;41062  
 8; 2550.7; 06-JAN-2010 16:57:00; Bright; 37.0; 107; 37The Aur ; 2.65; 11000;occ; 74; 0;41062  
 9; 2683.6; 06-JAN-2010 16:59:12; Bright; 38.0; 42; 34Bet Aur ; 1.90; 10200;occ; 76; 0;41062  
 10; 3681.8; 06-JAN-2010 17:15:51; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;41062  
 11; 3924.5; 06-JAN-2010 17:19:53; Bright; 47.0; 119; 14Eta Dra ; 2.73; 4700;occ; 94; 0;41062  
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13;	1594.0;	07-JAN-2010	22:51:50;	Dark	;	46.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	92;	0;	41080
14;	2031.1;	07-JAN-2010	22:59:07;	Dark	;	53.0;	14;	58Alp Ori	;	0.87;	3000;occ;	106;	0;	41080
15;	2202.9;	07-JAN-2010	23:01:59;	Dark	;	47.0;	44;	24Gam Gem	;	1.93;	11000;occ;	94;	0;	41080
16;	2303.6;	07-JAN-2010	23:03:39;	Bright;		44.5;	151;	13Mu Gem	;	2.89;	3000;occ;	89;	0;	41080
17;	2395.2;	07-JAN-2010	23:05:11;	Bright;		38.5;	28;	12Bet Tau	;	1.65;	15200;occ;	77;	0;	41080
18;	2547.9;	07-JAN-2010	23:07:44;	Bright;		37.5;	107;	37The Aur	;	2.65;	11000;occ;	75;	0;	41080
19;	2680.9;	07-JAN-2010	23:09:57;	Bright;		36.0;	42;	34Bet Aur	;	1.90;	10200;occ;	72;	0;	41080
20;	3423.8;	07-JAN-2010	23:22:19;	Bright;		36.0;	49;	1Alp UMi	;	1.99;	6300;occ;	72;	0;	41080
21;	3679.6;	07-JAN-2010	23:26:35;	Bright;		39.5;	60;	7Bet UMi	;	2.08;	3950;occ;	79;	0;	41080
22;	3924.5;	07-JAN-2010	23:30:40;	Bright;		38.5;	119;	14Eta Dra	;	2.73;	4700;occ;	77;	0;	41080
23;	4437.5;	07-JAN-2010	23:39:13;	Bright;		33.0;	133;	40Zet Her	;	2.81;	6000;occ;	66;	0;	41080
24;	4565.0;	07-JAN-2010	23:41:21;	Bright;		38.0;	67;	5Alp CrB	;	2.22;	11000;occ;	76;	0;	41080
25;	4923.8;	07-JAN-2010	23:47:20;	Bright;		57.0;	102;	24Alp Ser	;	2.60;	4250;occ;	114;	0;	41080
26;	5057.7;	07-JAN-2010	23:49:33;	Bright;		34.0;	120;	1Del Oph	;	2.73;	3200;occ;	68;	0;	41080
27;	5245.9;	07-JAN-2010	23:52:42;	Dark	;	46.5;	104;	27Bet Lib	;	2.61;	13100;occ;	93;	0;	41080

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3;	-37.2;	08-JAN-2010	00:05:14;	Dark	;	41.0;	95;	Zet Cen	;	2.55;	26000;occ;	82;	0;	41080
4;	82.4;	08-JAN-2010	00:07:14;	Dark	;	50.0;	10;	Bet Cen	;	0.61;	28000;occ;	100;	0;	41081
5;	223.3;	08-JAN-2010	00:09:35;	Dark	;	40.5;	20;	Bet Cru	;	1.25;	30000;occ;	81;	0;	41081
6;	303.5;	08-JAN-2010	00:10:55;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	41081
7;	481.9;	08-JAN-2010	00:13:53;	Dark	;	38.5;	124;	The Car	;	2.76;	30000;occ;	77;	0;	41081
8;	574.7;	08-JAN-2010	00:15:26;	Dark	;	40.0;	159;	Ups Car	;	2.92;	7200;occ;	80;	0;	41081
9;	682.1;	08-JAN-2010	00:17:14;	Dark	;	44.0;	71;	Iot Car	;	2.25;	7700;occ;	88;	0;	41081
10;	767.6;	08-JAN-2010	00:18:39;	Dark	;	46.5;	41;	Eps Car	;	1.86;	4100;occ;	93;	0;	41081
11;	963.8;	08-JAN-2010	00:21:55;	Dark	;	43.0;	34;	Gam2Vel	;	1.79;	23000;occ;	86;	0;	41081
12;	1094.6;	08-JAN-2010	00:24:06;	Dark	;	42.0;	70;	Zet Pup	;	2.25;	39000;occ;	84;	0;	41081
13;	1206.1;	08-JAN-2010	00:25:58;	Dark	;	46.0;	117;	Pi Pup	;	2.71;	3800;occ;	92;	0;	41081
14;	1366.0;	08-JAN-2010	00:28:38;	Dark	;	44.0;	23;	21Eps CMA	;	1.50;	26000;occ;	88;	0;	41081
15;	1454.4;	08-JAN-2010	00:30:06;	Dark	;	42.0;	179;	240mi2CMA	;	3.03;	24000;occ;	84;	0;	41081
16;	1593.9;	08-JAN-2010	00:32:25;	Dark	;	46.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	92;	0;	41081
17;	2031.2;	08-JAN-2010	00:39:43;	Dark	;	53.0;	14;	58Alp Ori	;	0.87;	3000;occ;	106;	0;	41081
18;	2202.7;	08-JAN-2010	00:42:34;	Dark	;	47.5;	44;	24Gam Gem	;	1.93;	11000;occ;	95;	0;	41081
19;	2303.4;	08-JAN-2010	00:44:15;	Bright;		44.5;	151;	13Mu Gem	;	2.89;	3000;occ;	89;	0;	41081
20;	2395.0;	08-JAN-2010	00:45:47;	Bright;		39.0;	28;	12Bet Tau	;	1.65;	15200;occ;	78;	0;	41081
21;	2680.7;	08-JAN-2010	00:50:32;	Bright;		38.5;	42;	34Bet Aur	;	1.90;	10200;occ;	77;	0;	41081
22;	3424.1;	08-JAN-2010	01:02:56;	Bright;		33.0;	49;	1Alp UMi	;	1.99;	6300;occ;	66;	0;	41081
23;	4924.4;	08-JAN-2010	01:27:56;	Bright;		57.0;	102;	24Alp Ser	;	2.60;	4250;occ;	114;	0;	41081
24;	5058.1;	08-JAN-2010	01:30:10;	Bright;		52.5;	120;	1Del Oph	;	2.73;	3200;occ;	105;	0;	41081

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2;	2204.9;	07-JAN-2010	07:56:37;	Dark	;	46.0;	44;	24Gam Gem	;	1.93;	11000;occ;	92;	0;	41071
3;	2305.2;	07-JAN-2010	07:58:18;	Bright;		45.5;	151;	13Mu Gem	;	2.89;	3000;occ;	91;	0;	41071
4;	2549.5;	07-JAN-2010	08:02:22;	Bright;		38.0;	107;	37The Aur	;	2.65;	11000;occ;	76;	0;	41071
5;	2682.4;	07-JAN-2010	08:04:35;	Bright;		38.0;	42;	34Bet Aur	;	1.90;	10200;occ;	76;	0;	41071
6;	3681.0;	07-JAN-2010	08:21:13;	Bright;		34.0;	60;	7Bet UMi	;	2.08;	3950;occ;	68;	0;	41071
7;	3924.6;	07-JAN-2010	08:25:17;	Bright;		39.5;	119;	14Eta Dra	;	2.73;	4700;occ;	79;	0;	41071
8;	4087.2;	07-JAN-2010	08:27:59;	Bright;		52.5;	39;	85Eta UMA	;	1.85;	24000;occ;	105;	0;	41071
9;	4355.1;	07-JAN-2010	08:32:27;	Bright;		43.5;	180;	27Gam Boo	;	3.04;	8000;occ;	87;	0;	41071
10;	4594.8;	07-JAN-2010	08:36:27;	Bright;		67.0;	83;		;	2.38;	11000;occ;	134;	0;	41071
11;	4920.7;	07-JAN-2010	08:41:53;	Bright;		56.0;	102;	24Alp Ser	;	2.60;	4250;occ;	112;	0;	41071
12;	5241.0;	07-JAN-2010	08:47:13;	Dark	;	31.5;	104;	27Bet Lib	;	2.61;	13100;occ;	63;	0;	41071
13;	5413.9;	07-JAN-2010	08:50:06;	Dark	;	46.0;	122;	9Alp2Lib	;	2.75;	9700;occ;	92;	0;	41071
14;	5838.0;	07-JAN-2010	08:57:10;	Dark	;	49.5;	54;	5The Cen	;	2.06;	4500;occ;	99;	0;	41071

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 20; 6713.8; 07-JAN-2010 09:11:46; Dark ; 47.5; 71; Iot Car ; 2.25; 7700;occ; 95; 0;41071  
 21; 6827.7; 07-JAN-2010 09:13:40; Dark ; 41.0; 46; Del Vel ; 1.95; 10600;occ; 82; 0;41071  
 22; 6995.8; 07-JAN-2010 09:16:28; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;41071  
 23; 7126.9; 07-JAN-2010 09:18:39; Dark ; 44.5; 70; Zet Pup ; 2.25; 39000;occ; 89; 0;41071  
 24; 7239.3; 07-JAN-2010 09:20:32; Dark ; 46.5; 117; Pi Pup ; 2.71; 3800;occ; 93; 0;41071  
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 26; 7488.7; 07-JAN-2010 09:24:41; Dark ; 41.5; 179; 240mi2CMA ; 3.03; 24000;occ; 83; 0;41071  
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 3; 2305.1; 07-JAN-2010 09:38:53; Bright; 56.0; 151; 13Mu Gem ; 2.89; 3000;occ; 112; 0;41072  
 4; 2549.4; 07-JAN-2010 09:42:58; Bright; 36.5; 107; 37The Aur ; 2.65; 11000;occ; 73; 0;41072  
 5; 2682.1; 07-JAN-2010 09:45:10; Bright; 39.0; 42; 34Bet Aur ; 1.90; 10200;occ; 78; 0;41072  
 6; 3680.7; 07-JAN-2010 10:01:49; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;41072  
 7; 3924.5; 07-JAN-2010 10:05:53; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;41072  
 8; 4087.0; 07-JAN-2010 10:08:35; Bright; 50.0; 39; 85Eta UMa ; 1.85; 24000;occ; 100; 0;41072  
 9; 4354.8; 07-JAN-2010 10:13:03; Bright; 46.5; 180; 27Gam Boo ; 3.04; 8000;occ; 93; 0;41072  
 10; 4595.1; 07-JAN-2010 10:17:03; Bright; 55.5; 83; ; 2.38; 11000;occ; 111; 0;41072  
 11; 4921.1; 07-JAN-2010 10:22:29; Bright; 56.0; 102; 24Alp Ser ; 2.60; 4250;occ; 112; 0;41072  
 12; 5241.3; 07-JAN-2010 10:27:50; Dark ; 45.0; 104; 27Bet Lib ; 2.61; 13100;occ; 90; 0;41072  
 13; 5415.0; 07-JAN-2010 10:30:43; Dark ; 46.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 92; 0;41072  
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 15; 5993.2; 07-JAN-2010 10:40:21; Dark ; 42.0; 95; Zet Cen ; 2.55; 26000;occ; 84; 0;41072  
 16; 6092.3; 07-JAN-2010 10:42:01; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;41072  
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 26; 7488.9; 07-JAN-2010 11:05:17; Dark ; 42.0; 179; 240mi2CMA ; 3.03; 24000;occ; 84; 0;41072  
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 7; 3680.4; 07-JAN-2010 11:42:25; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;41073  
 8; 3924.6; 07-JAN-2010 11:46:29; Bright; 33.0; 119; 14Eta Dra ; 2.73; 4700;occ; 66; 0;41073  
 9; 4086.8; 07-JAN-2010 11:49:11; Bright; 50.0; 39; 85Eta UMa ; 1.85; 24000;occ; 100; 0;41073  
 10; 4355.1; 07-JAN-2010 11:53:39; Bright; 67.0; 180; 27Gam Boo ; 3.04; 8000;occ; 134; 0;41073  
 11; 4595.4; 07-JAN-2010 11:57:40; Bright; 67.0; 83; ; 2.38; 11000;occ; 134; 0;41073  
 12; 4921.4; 07-JAN-2010 12:03:06; Bright; 56.0; 102; 24Alp Ser ; 2.60; 4250;occ; 112; 0;41073  
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 14; 5415.4; 07-JAN-2010 12:11:20; Dark ; 46.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 93; 0;41073  
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 19; 6332.7; 07-JAN-2010 12:26:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41073  
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 22; 6828.6; 07-JAN-2010 12:34:53; Dark ; 41.5; 46; Del Vel ; 1.95; 10600;occ; 83; 0;41073  
 23; 6996.8; 07-JAN-2010 12:37:41; Dark ; 44.0; 34; Gam2Vel ; 1.79; 23000;occ; 88; 0;41073  
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4; 2304.8; 07-JAN-2010 13:00:05; Bright; 45.0; 151; 13Mu Gem ; 2.89; 3000;occ; 90; 0;41074
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7; 3680.4; 07-JAN-2010 13:23:00; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;41074
8; 3924.7; 07-JAN-2010 13:27:05; Bright; 33.0; 119; 14Eta Dra ; 2.73; 4700;occ; 66; 0;41074
9; 4086.4; 07-JAN-2010 13:29:46; Bright; 45.0; 39; 85Eta UMa ; 1.85; 24000;occ; 90; 0;41074
10; 4355.1; 07-JAN-2010 13:34:15; Bright; 67.0; 180; 27Gam Boo ; 3.04; 8000;occ; 134; 0;41074
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13; 5242.7; 07-JAN-2010 13:49:03; Dark ; 47.0; 104; 27Bet Lib ; 2.61; 13100;occ; 94; 0;41074
14; 5416.2; 07-JAN-2010 13:51:56; Dark ; 47.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 94; 0;41074
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17; 6093.7; 07-JAN-2010 14:03:14; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;41074
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19; 6333.7; 07-JAN-2010 14:07:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41074
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 21; 6306.5; 13-JAN-2010 10:57:05; Dark ; 44.0; 20; Bet Cru ; 1.25; 30000;occ; 88; 0;41158  
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7; 29.2; 25-JAN-2010 21:19:38; Dark ; 44.0; 78; Alp Lup ; 2.30; 28000;occ; 88; 0;41337
8; 148.3; 25-JAN-2010 21:21:37; Dark ; 42.0; 4; Alp1Cen ;-0.01; 5800;occ; 84; 0;41337
9; 242.8; 25-JAN-2010 21:23:12; Dark ; 39.5; 77; Eps Cen ; 2.30; 28000;occ; 79; 0;41337
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13; 792.8; 25-JAN-2010 21:32:22; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;41337
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23; 2410.9; 25-JAN-2010 21:59:20; Bright; 44.0; 17; 78Bet Gem ; 1.16; 4500;occ; 88; 0;41337

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 27; 3909.0; 25-JAN-2010 22:24:18; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;41337  
 28; 4085.9; 25-JAN-2010 22:27:15; Bright; 51.0; 130; 23Bet Dra ; 2.80; 5800;occ; 102; 0;41337  
 29; 4474.8; 25-JAN-2010 22:33:44; Bright; 42.0; 133; 40Zet Her ; 2.81; 6000;occ; 84; 0;41337  
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 33; 5177.4; 25-JAN-2010 22:45:26; Dark ; 53.5; 120; 1Del Oph ; 2.73; 3200;occ; 107; 0;41337  
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 18; 1994.3; 25-JAN-2010 23:32:59; Dark ; 49.0; 8; 10Alp CMi ; 0.40; 6500;occ; 98; 0;41338  
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 21; 2411.0; 25-JAN-2010 23:39:56; Bright; 43.5; 17; 78Bet Gem ; 1.16; 4500;occ; 87; 0;41338  
 22; 2678.3; 25-JAN-2010 23:44:23; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;41338  
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 26; 4086.0; 26-JAN-2010 00:07:51; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;41338  
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 29; 4774.0; 26-JAN-2010 00:19:19; Bright; 35.0; 59; 55Alp Oph ; 2.08; 8900;occ; 70; 0;41338  
 30; 4900.9; 26-JAN-2010 00:21:26; Bright; 52.0; 126; 60Bet Oph ; 2.77; 4250;occ; 104; 0;41338  
 31; 5177.9; 26-JAN-2010 00:26:03; Dark ; 53.5; 120; 1Del Oph ; 2.73; 3200;occ; 107; 0;41338  
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 12; 23.3; 25-JAN-2010 07:54:45; Dark ; 43.5; 78; Alp Lup ; 2.30; 28000;occ; 87; 0;41329  
 13; 143.9; 25-JAN-2010 07:56:45; Dark ; 43.5; 4; Alp1Cen ;-0.01; 5800;occ; 87; 0;41329  
 14; 236.6; 25-JAN-2010 07:58:18; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;41329  
 15; 417.8; 25-JAN-2010 08:01:19; Dark ; 50.0; 12; Alp1Cru ; 0.77; 30000;occ; 100; 0;41329  
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 17; 675.7; 25-JAN-2010 08:05:37; Dark ; 39.5; 159; Ups Car ; 2.92; 7200;occ; 79; 0;41329  
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5; 2572.8; 25-JAN-2010 08:37:14; Bright; 13.5; 107; 37The Aur ; 2.65; 11000;occ; 27; 0;41329  
6; 2677.7; 25-JAN-2010 08:38:59; Bright; 36.5; 42; 34Bet Aur ; 1.90; 10200;occ; 73; 0;41329  
7; 3426.6; 25-JAN-2010 08:51:28; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;41329  
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8; 3906.6; 27-JAN-2010 11:17:26; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;41359  
9; 4086.6; 27-JAN-2010 11:20:26; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;41359  
10; 4478.2; 27-JAN-2010 11:26:57; Bright; 39.5; 133; 40Zet Her ; 2.81; 6000;occ; 79; 0;41359  
11; 4684.0; 27-JAN-2010 11:30:23; Bright; 44.0; 127; 27Bet Her ; 2.78; 4700;occ; 88; 0;41359  
12; 4779.4; 27-JAN-2010 11:31:58; Bright; 53.0; 59; 55Alp Oph ; 2.08; 8900;occ; 106; 0;41359  
13; 4906.4; 27-JAN-2010 11:34:05; Bright; 42.5; 126; 60Bet Oph ; 2.77; 4250;occ; 85; 0;41359  
14; 5192.3; 27-JAN-2010 11:38:51; Dark ; 56.0; 120; 1Del Oph ; 2.73; 3200;occ; 112; 0;41359  
15; 5284.1; 27-JAN-2010 11:40:23; Dark ; 43.5; 86; 35Eta Oph ; 2.43; 10200;occ; 87; 0;41359  
16; 5530.5; 27-JAN-2010 11:44:30; Dark ; 55.0; 16; 21Alp Sco ; 1.02; 3000;occ; 110; 0;41359  
17; 5610.9; 27-JAN-2010 11:45:50; Dark ; 41.0; 75; 26Eps Sco ; 2.29; 4250;occ; 82; 0;41359  
18; 5870.0; 27-JAN-2010 11:50:09; Dark ; 42.0; 131; Gam Lup ; 2.80; 26000;occ; 84; 0;41359  
19; 5996.0; 27-JAN-2010 11:52:15; Dark ; 44.0; 109; Bet Lup ; 2.68; 26000;occ; 88; 0;41359  
20; 6083.5; 27-JAN-2010 11:53:43; Dark ; 42.5; 78; Alp Lup ; 2.30; 28000;occ; 85; 0;41359  
21; 6195.9; 27-JAN-2010 11:55:35; Dark ; 41.5; 4; Alp1Cen ; -0.01; 5800;occ; 83; 0;41359  
22; 6296.3; 27-JAN-2010 11:57:15; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;41359  
23; 6470.8; 27-JAN-2010 12:00:10; Dark ; 42.5; 12; Alp1Cru ; 0.77; 30000;occ; 85; 0;41359  
24; 6593.9; 27-JAN-2010 12:02:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41359  
25; 6722.5; 27-JAN-2010 12:04:22; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41359  
26; 6837.4; 27-JAN-2010 12:06:16; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;41359  
27; 6944.3; 27-JAN-2010 12:08:03; Dark ; 44.5; 46; Del Vel ; 1.95; 10600;occ; 89; 0;41359  
28; 7098.9; 27-JAN-2010 12:10:38; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;41359  
29; 7224.6; 27-JAN-2010 12:12:44; Dark ; 42.5; 70; Zet Pup ; 2.25; 39000;occ; 85; 0;41359  
30; 7495.2; 27-JAN-2010 12:17:14; Dark ; 43.0; 37; 25Del CMa ; 1.83; 5900;occ; 86; 0;41359

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

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



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

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 2; 1993.2; 27-JAN-2010 15:47:20; Dark ; 47.5; 8; 10Alp CMi ; 0.40; 6500;occ; 95; 0;41362  
 3; 2191.4; 27-JAN-2010 15:50:38; Bright; 40.0; 44; 24Gam Gem ; 1.93; 11000;occ; 80; 0;41362  
 4; 2299.4; 27-JAN-2010 15:52:26; Bright; 40.5; 151; 13Mu Gem ; 2.89; 3000;occ; 81; 0;41362  
 5; 2405.4; 27-JAN-2010 15:54:12; Bright; 43.5; 17; 78Bet Gem ; 1.16; 4500;occ; 87; 0;41362  
 6; 3427.1; 27-JAN-2010 16:11:14; Bright; 38.0; 49; 1Alp UMi ; 1.99; 6300;occ; 76; 0;41362  
 7; 3628.6; 27-JAN-2010 16:14:35; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;41362  
 8; 3906.2; 27-JAN-2010 16:19:13; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;41362  
 9; 4086.7; 27-JAN-2010 16:22:13; Bright; 36.5; 130; 23Bet Dra ; 2.80; 5800;occ; 73; 0;41362  
 10; 4478.2; 27-JAN-2010 16:28:45; Bright; 40.0; 133; 40Zet Her ; 2.81; 6000;occ; 80; 0;41362  
 11; 4684.9; 27-JAN-2010 16:32:12; Bright; 62.0; 127; 27Bet Her ; 2.78; 4700;occ; 124; 0;41362  
 12; 4780.4; 27-JAN-2010 16:33:47; Bright; 35.5; 59; 55Alp Oph ; 2.08; 8900;occ; 71; 0;41362  
 13; 4907.2; 27-JAN-2010 16:35:54; Bright; 53.0; 126; 60Bet Oph ; 2.77; 4250;occ; 106; 0;41362  
 14; 5285.6; 27-JAN-2010 16:42:12; Dark ; 43.0; 86; 35Eta Oph ; 2.43; 10200;occ; 86; 0;41362  
 15; 5532.3; 27-JAN-2010 16:46:19; Dark ; 52.0; 16; 21Alp Sco ; 1.02; 3000;occ; 104; 0;41362  
 16; 5612.2; 27-JAN-2010 16:47:39; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;41362  
 17; 5872.2; 27-JAN-2010 16:51:59; Dark ; 42.5; 131; Gam Lup ; 2.80; 26000;occ; 85; 0;41362  
 18; 5998.7; 27-JAN-2010 16:54:05; Dark ; 42.0; 109; Bet Lup ; 2.68; 26000;occ; 84; 0;41362  
 19; 6086.2; 27-JAN-2010 16:55:33; Dark ; 42.5; 78; Alp Lup ; 2.30; 28000;occ; 85; 0;41362  
 20; 6197.6; 27-JAN-2010 16:57:24; Dark ; 43.5; 4; Alp1Cen ;-0.01; 5800;occ; 87; 0;41362  
 21; 6298.6; 27-JAN-2010 16:59:05; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;41362  
 22; 6472.8; 27-JAN-2010 17:01:59; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;41362  
 23; 6596.7; 27-JAN-2010 17:04:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41362  
 24; 6723.6; 27-JAN-2010 17:06:10; Dark ; 42.0; 159; Ups Car ; 2.92; 7200;occ; 84; 0;41362  
 25; 6838.4; 27-JAN-2010 17:08:05; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;41362  
 26; 6945.2; 27-JAN-2010 17:09:52; Dark ; 43.0; 46; Del Vel ; 1.95; 10600;occ; 86; 0;41362  
 27; 7099.8; 27-JAN-2010 17:12:27; Dark ; 42.5; 34; Gam2Vel ; 1.79; 23000;occ; 85; 0;41362

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 3; 1459.5; 27-JAN-2010 17:19:02; Dark ; 40.0; 37; 25Del CMa ; 1.83; 5900;occ; 80; 0;41363  
 4; 1993.2; 27-JAN-2010 17:27:56; Dark ; 51.0; 8; 10Alp CMi ; 0.40; 6500;occ; 102; 0;41363  
 5; 2191.3; 27-JAN-2010 17:31:14; Bright; 40.0; 44; 24Gam Gem ; 1.93; 11000;occ; 80; 0;41363  
 6; 2299.4; 27-JAN-2010 17:33:02; Bright; 40.5; 151; 13Mu Gem ; 2.89; 3000;occ; 81; 0;41363  
 7; 2405.1; 27-JAN-2010 17:34:48; Bright; 43.0; 17; 78Bet Gem ; 1.16; 4500;occ; 86; 0;41363  
 8; 3427.1; 27-JAN-2010 17:51:50; Bright; 38.0; 49; 1Alp UMi ; 1.99; 6300;occ; 76; 0;41363  
 9; 3628.4; 27-JAN-2010 17:55:11; Bright; 45.0; 60; 7Bet UMi ; 2.08; 3950;occ; 90; 0;41363  
 10; 3905.8; 27-JAN-2010 17:59:49; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;41363  
 11; 4086.9; 27-JAN-2010 18:02:50; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;41363  
 12; 4478.5; 27-JAN-2010 18:09:21; Bright; 41.5; 133; 40Zet Her ; 2.81; 6000;occ; 83; 0;41363  
 13; 4685.3; 27-JAN-2010 18:12:48; Bright; 42.5; 127; 27Bet Her ; 2.78; 4700;occ; 85; 0;41363  
 14; 4780.7; 27-JAN-2010 18:14:23; Bright; 53.0; 59; 55Alp Oph ; 2.08; 8900;occ; 106; 0;41363  
 15; 4907.6; 27-JAN-2010 18:16:30; Bright; 53.0; 126; 60Bet Oph ; 2.77; 4250;occ; 106; 0;41363  
 16; 5285.8; 27-JAN-2010 18:22:48; Dark ; 45.5; 86; 35Eta Oph ; 2.43; 10200;occ; 91; 0;41363  
 17; 5532.8; 27-JAN-2010 18:26:55; Dark ; 57.0; 16; 21Alp Sco ; 1.02; 3000;occ; 114; 0;41363  
 18; 5612.7; 27-JAN-2010 18:28:15; Dark ; 44.5; 75; 26Eps Sco ; 2.29; 4250;occ; 89; 0;41363

19; 5872.9; 27-JAN-2010 18:32:36; Dark ; 41.5; 131; Gam Lup ; 2.80; 26000;occ; 83; 0;41363  
 20; 5999.9; 27-JAN-2010 18:34:43; Dark ; 43.5; 109; Bet Lup ; 2.68; 26000;occ; 87; 0;41363  
 21; 6086.8; 27-JAN-2010 18:36:09; Dark ; 43.0; 78; Alp Lup ; 2.30; 28000;occ; 86; 0;41363  
 22; 6198.2; 27-JAN-2010 18:38:01; Dark ; 42.0; 4; Alp1Cen ; -0.01; 5800;occ; 84; 0;41363  
 23; 6299.3; 27-JAN-2010 18:39:42; Dark ; 43.5; 77; Eps Cen ; 2.30; 28000;occ; 87; 0;41363  
 24; 6473.1; 27-JAN-2010 18:42:36; Dark ; 45.5; 12; Alp1Cru ; 0.77; 30000;occ; 91; 0;41363  
 25; 6597.5; 27-JAN-2010 18:44:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41363  
 26; 6723.9; 27-JAN-2010 18:46:47; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41363  
 27; 6838.9; 27-JAN-2010 18:48:42; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;41363  
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 29; 7099.9; 27-JAN-2010 18:53:03; Dark ; 33.5; 34; Gam2Vel ; 1.79; 23000;occ; 67; 0;41363

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 3; 1460.0; 27-JAN-2010 18:59:39; Dark ; 42.0; 37; 25Del CMa ; 1.83; 5900;occ; 84; 0;41364  
 4; 1993.2; 27-JAN-2010 19:08:32; Dark ; 47.5; 8; 10Alp CMi ; 0.40; 6500;occ; 95; 0;41364  
 5; 2191.3; 27-JAN-2010 19:11:50; Bright; 41.0; 44; 24Gam Gem ; 1.93; 11000;occ; 82; 0;41364  
 6; 2404.8; 27-JAN-2010 19:15:24; Bright; 42.5; 17; 78Bet Gem ; 1.16; 4500;occ; 85; 0;41364  
 7; 3426.9; 27-JAN-2010 19:32:26; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;41364  
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 9; 3905.9; 27-JAN-2010 19:40:25; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;41364  
 10; 4086.8; 27-JAN-2010 19:43:25; Bright; 54.0; 130; 23Bet Dra ; 2.80; 5800;occ; 108; 0;41364  
 11; 4478.7; 27-JAN-2010 19:49:57; Bright; 41.5; 133; 40Zet Her ; 2.81; 6000;occ; 83; 0;41364  
 12; 4685.5; 27-JAN-2010 19:53:24; Bright; 62.0; 127; 27Bet Her ; 2.78; 4700;occ; 124; 0;41364  
 13; 4781.0; 27-JAN-2010 19:55:00; Bright; 35.0; 59; 55Alp Oph ; 2.08; 8900;occ; 70; 0;41364  
 14; 4908.0; 27-JAN-2010 19:57:07; Bright; 35.5; 126; 60Bet Oph ; 2.77; 4250;occ; 71; 0;41364  
 15; 5286.3; 27-JAN-2010 20:03:25; Dark ; 43.5; 86; 35Eta Oph ; 2.43; 10200;occ; 87; 0;41364  
 16; 5533.5; 27-JAN-2010 20:07:32; Dark ; 48.5; 16; 21Alp Sco ; 1.02; 3000;occ; 97; 0;41364  
 17; 5613.1; 27-JAN-2010 20:08:52; Dark ; 44.0; 75; 26Eps Sco ; 2.29; 4250;occ; 88; 0;41364  
 18; 5873.2; 27-JAN-2010 20:13:12; Dark ; 43.0; 131; Gam Lup ; 2.80; 26000;occ; 86; 0;41364  
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4; 4.7; 31-JAN-2010 01:23:32; Dark ; 44.5; 109; Bet Lup ; 2.68; 26000;occ; 89; 0;41411
5; 97.1; 31-JAN-2010 01:25:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41411
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7; 300.1; 31-JAN-2010 01:28:27; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;41411
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9; 580.2; 31-JAN-2010 01:33:07; Dark ; 45.5; 99; Del Cen ; 2.58; 26000;occ; 91; 0;41411
10; 704.0; 31-JAN-2010 01:35:11; Dark ; 37.5; 159; Ups Car ; 2.92; 7200;occ; 75; 0;41411
11; 818.9; 31-JAN-2010 01:37:06; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;41411
12; 924.3; 31-JAN-2010 01:38:51; Dark ; 39.5; 46; Del Vel ; 1.95; 10600;occ; 79; 0;41411
13; 1076.4; 31-JAN-2010 01:41:23; Dark ; 40.0; 34; Gam2Vel ; 1.79; 23000;occ; 80; 0;41411
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18; 2457.8; 31-JAN-2010 02:04:25; Bright; 40.0; 24; 66Alp Gem ; 1.58; 10200;occ; 80; 0;41411
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21; 3898.6; 31-JAN-2010 02:28:26; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;41411
22; 4087.4; 31-JAN-2010 02:31:34; Bright; 36.5; 130; 23Bet Dra ; 2.80; 5800;occ; 73; 0;41411

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 27; 5307.7; 31-JAN-2010 02:51:55; Dark ; 41.0; 86; 35Eta Oph ; 2.43; 10200;occ; 82; 0;41411  
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 43; 8375.9; 31-JAN-2010 03:43:03; Bright; 37.5; 170; 27Eps Gem ; 3.00; 9700;occ; 75; 0;41411  
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 22; 6847.5; 29-JAN-2010 12:43:48; Dark ; 46.0; 71; Iot Car ; 2.25; 7700;occ; 92; 0;41388  
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 25; 7232.0; 29-JAN-2010 12:50:13; Dark ; 41.0; 70; Zet Pup ; 2.25; 39000;occ; 82; 0;41388  
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 7; 3902.4; 29-JAN-2010 13:35:19; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;41389  
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 9; 4299.7; 29-JAN-2010 13:41:56; Bright; 46.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 92; 0;41389  
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23; 6848.1; 29-JAN-2010 16:05:01; Dark ; 44.0; 71; Iot Car ; 2.25; 7700;occ; 88; 0;41390
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