

# GOMOS Daily Report 30-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 04:52:53
Data source version	GOMOS/5.00L04
Start time of products	30JAN2010 00:02:12
Stop time of products	30JAN2010 23:58:15
Store outputs in DB	Yes
Nb of level 1b prods	136
Nb of prods with errors	0

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

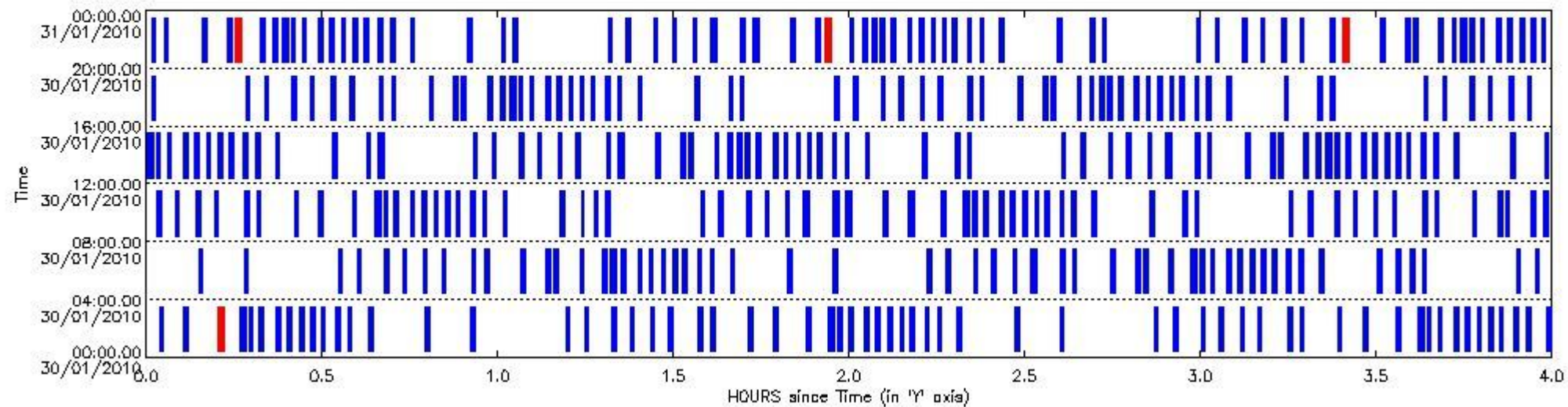
### 2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
30-JAN-2010 00:12:15	GamLup	131	41395
30-JAN-2010 20:15:10	6PiSco	158	41407
30-JAN-2010 21:55:47	6PiSco	158	41408
30-JAN-2010 23:24:22	60BetOph	126	41409

### 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_1PNPDE20100130_000212_000000452086_00259_41395_7582.N1	30-JAN-2010 00:02:12	Twl_and_stray	44.500	86	35Eta Oph	2.4300	10200.	89	41395	No
2	GOM_TRA_1PNPDE20100130_000625_000000502086_00259_41395_7577.N1	30-JAN-2010 00:06:25	Dark	49.500	16	21Alp Sco	1.0200	3000.0	99	41395	No
3	GOM_TRA_1PNPDE20100130_001727_000000462086_00260_41396_7578.N1	30-JAN-2010 00:17:27	Dark	46.000	4	Alp1Cen	-0.010000	5800.0	92	41396	No
4	GOM_TRA_1PNPDE20100130_001917_000000432086_00260_41396_7579.N1	30-JAN-2010 00:19:17	Dark	43.000	77	Eps Cen	2.3030	28000.	86	41396	No
5	GOM_TRA_1PNPDE20100130_002203_000000492086_00260_41396_7580.N1	30-JAN-2010 00:22:03	Dark	48.500	12	Alp1Cru	0.77500	30000.	97	41396	No
6	GOM_TRA_1PNPDE20100130_002356_000000462086_00260_41396_7581.N1	30-JAN-2010 00:23:56	Dark	45.500	99	Del Cen	2.5750	26000.	91	41396	No
7	GOM_TRA_1PNPDE20100130_002607_000000452086_00260_41396_7582.N1	30-JAN-2010 00:26:07	Dark	44.500	159	Ups Car	2.9200	7200.0	89	41396	No

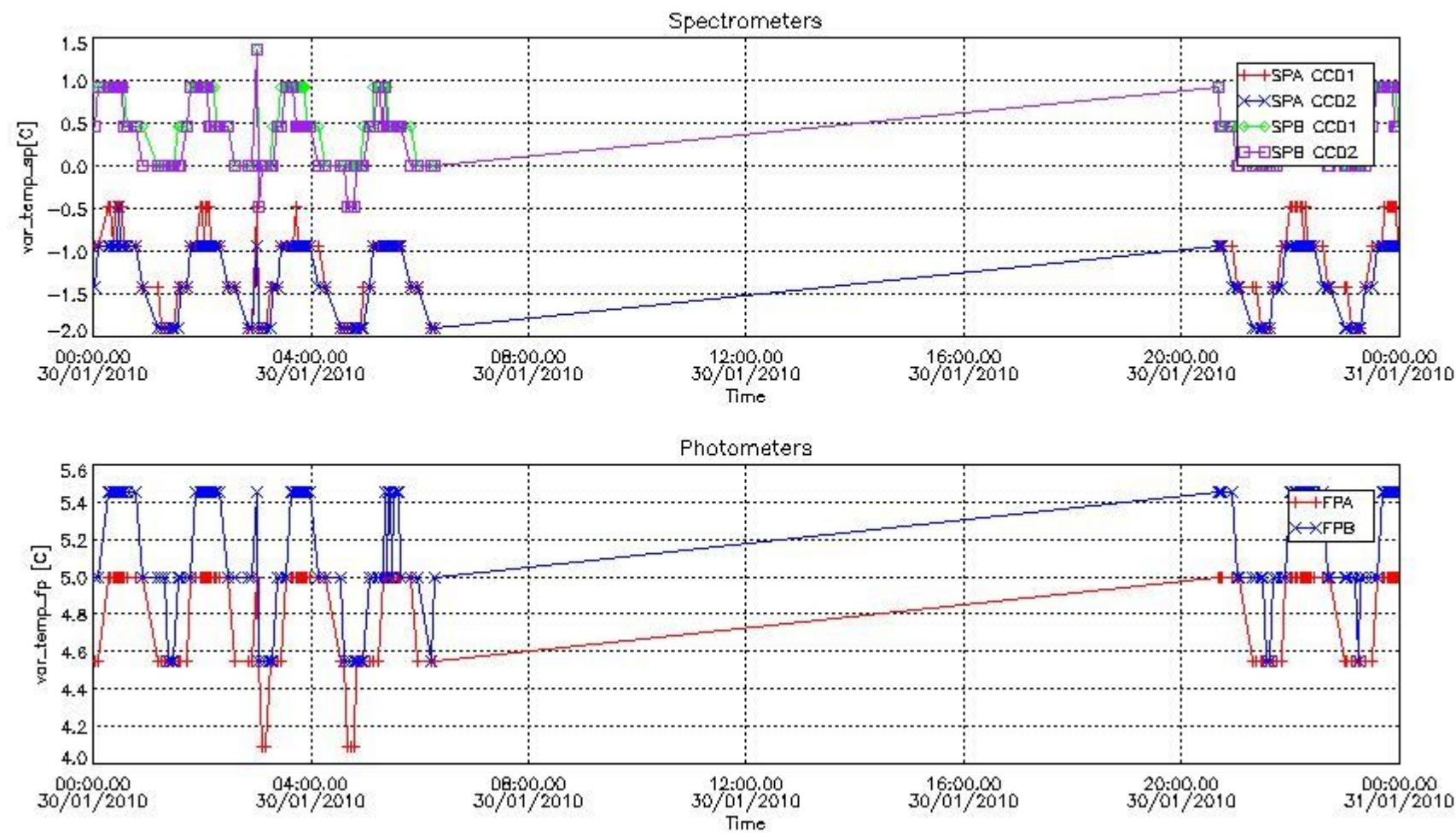
8	GOM_TRA_1PNPDE20100130_002802_000000452086_00260_41396_7583.N1	30-JAN-2010 00:28:02	Dark	45.000	71	lot Car	2.2460	7700.0	90	41396	No
9	GOM_TRA_1PNPDE20100130_002948_000000432086_00260_41396_7584.N1	30-JAN-2010 00:29:48	Dark	42.500	46	Del Vel	1.9540	10600.	85	41396	No
10	GOM_TRA_1PNPDE20100130_003220_000000422086_00260_41396_7585.N1	30-JAN-2010 00:32:20	Dark	41.500	34	Gam2Vel	1.7930	23000.	83	41396	No
11	GOM_TRA_1PNPDE20100130_003426_000000382086_00260_41396_7586.N1	30-JAN-2010 00:34:26	Straylight	37.500	70	Zet Pup	2.2460	39000.	75	41396	No
12	GOM_TRA_1PNPDE20100130_003755_000000422086_00260_41396_7587.N1	30-JAN-2010 00:37:55	Straylight	42.000	88	31Eta CMa	2.4480	20000.	84	41396	No
13	GOM_TRA_1PNPDE20100130_004741_000000472086_00260_41396_7588.N1	30-JAN-2010 00:47:41	Tw_i_and_stray	46.500	8	10Alp CMi	0.40000	6500.0	93	41396	No
14	GOM_TRA_1PNPDE20100130_005528_000000412086_00260_41396_7589.N1	30-JAN-2010 00:55:28	Bright	41.000	24	66Alp Gem	1.5800	10200.	82	41396	No
15	GOM_TRA_1PNPDE20100130_011135_000000362086_00260_41396_7590.N1	30-JAN-2010 01:11:35	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	41396	No
16	GOM_TRA_1PNPDE20100130_011449_000000412086_00260_41396_7591.N1	30-JAN-2010 01:14:49	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	41396	No
17	GOM_TRA_1PNPDE20100130_011929_000000432086_00260_41396_7592.N1	30-JAN-2010 01:19:29	Bright	43.000	119	14Eta Dra	2.7270	4700.0	86	41396	No
18	GOM_TRA_1PNPDE20100130_012235_000000402086_00260_41396_7593.N1	30-JAN-2010 01:22:35	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	41396	No
19	GOM_TRA_1PNPDE20100130_012609_000000382086_00260_41396_7594.N1	30-JAN-2010 01:26:09	Bright	38.000	5	3Alp Lyr	0.033000	11000.	76	41396	No
20	GOM_TRA_1PNPDE20100130_012911_000000442086_00260_41396_7595.N1	30-JAN-2010 01:29:11	Bright	44.000	133	40Zet Her	2.8070	6000.0	88	41396	No
21	GOM_TRA_1PNPDE20100130_013418_000000442086_00260_41396_7596.N1	30-JAN-2010 01:34:18	Bright	43.500	59	55Alp Oph	2.0800	8900.0	87	41396	No
22	GOM_TRA_1PNPDE20100130_013625_000000362086_00260_41396_7597.N1	30-JAN-2010 01:36:25	Bright	35.500	126	60Bet Oph	2.7700	4250.0	71	41396	No
23	GOM_TRA_1PNPDE20100130_014249_000000412086_00260_41396_7593.N1	30-JAN-2010 01:42:49	Tw_i_and_stray	41.000	86	35Eta Oph	2.4300	10200.	82	41396	No
24	GOM_TRA_1PNPDE20100130_014701_000000482086_00260_41396_7594.N1	30-JAN-2010 01:47:01	Dark	48.000	16	21Alp Sco	1.0200	3000.0	96	41396	No
25	GOM_TRA_1PNPDE20100130_015246_000000442086_00260_41396_7595.N1	30-JAN-2010 01:52:46	Dark	43.500	131	Gam Lup	2.8000	26000.	87	41396	No
26	GOM_TRA_1PNPDE20100130_015803_000000422086_00261_41397_7596.N1	30-JAN-2010 01:58:03	Dark	42.000	4	Alp1Cen	-0.010000	5800.0	84	41397	No
27	GOM_TRA_1PNPDE20100130_015953_000000452086_00261_41397_7597.N1	30-JAN-2010 01:59:53	Dark	44.500	77	Eps Cen	2.3030	28000.	89	41397	No
28	GOM_TRA_1PNPDE20100130_020239_000000412086_00261_41397_7598.N1	30-JAN-2010 02:02:39	Dark	40.500	12	Alp1Cru	0.77500	30000.	81	41397	No
29	GOM_TRA_1PNPDE20100130_020433_000000452086_00261_41397_7599.N1	30-JAN-2010 02:04:33	Dark	44.500	99	Del Cen	2.5750	26000.	89	41397	No
30	GOM_TRA_1PNPDE20100130_020643_000000432086_00261_41397_7600.N1	30-JAN-2010 02:06:43	Dark	42.500	159	Ups Car	2.9200	7200.0	85	41397	No
31	GOM_TRA_1PNPDE20100130_020838_000000422086_00261_41397_7601.N1	30-JAN-2010 02:08:38	Dark	41.500	71	lot Car	2.2460	7700.0	83	41397	No
32	GOM_TRA_1PNPDE20100130_021024_000000442086_00261_41397_7602.N1	30-JAN-2010 02:10:24	Dark	43.500	46	Del Vel	1.9540	10600.	87	41397	No
33	GOM_TRA_1PNPDE20100130_021257_000000402086_00261_41397_7603.N1	30-JAN-2010 02:12:57	Dark	40.000	34	Gam2Vel	1.7930	23000.	80	41397	No
34	GOM_TRA_1PNPDE20100130_021502_000000412086_00261_41397_7604.N1	30-JAN-2010 02:15:02	Straylight	41.000	70	Zet Pup	2.2460	39000.	82	41397	No
35	GOM_TRA_1PNPDE20100130_021831_000000412086_00261_41397_7605.N1	30-JAN-2010 02:18:31	Straylight	41.000	88	31Eta CMa	2.4480	20000.	82	41397	No
36	GOM_TRA_1PNPDE20100130_022817_000000442086_00261_41397_7606.N1	30-JAN-2010 02:28:17	Tw_i_and_stray	44.000	8	10Alp CMi	0.40000	6500.0	88	41397	No
37	GOM_TRA_1PNPDE20100130_023603_000000402086_00261_41397_7607.N1	30-JAN-2010 02:36:03	Bright	40.000	24	66Alp Gem	1.5800	10200.	80	41397	No
38	GOM_TRA_1PNPDE20100130_025211_000000362086_00261_41397_7608.N1	30-JAN-2010 02:52:11	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	41397	No
39	GOM_TRA_1PNPDE20100130_025524_000000442086_00261_41397_7609.N1	30-JAN-2010 02:55:24	Bright	44.000	60	7Bet UMi	2.0810	3950.0	88	41397	No
40	GOM_TRA_1PNPDE20100130_030005_000000442086_00261_41397_7620.N1	30-JAN-2010 03:00:05	Bright	43.500	119	14Eta Dra	2.7270	4700.0	87	41397	No
41	GOM_TRA_1PNPDE20100130_030311_000000422086_00261_41397_7621.N1	30-JAN-2010 03:03:11	Bright	41.500	130	23Bet Dra	2.7990	5800.0	83	41397	No
42	GOM_TRA_1PNPDE20100130_030645_000000332086_00261_41397_7622.N1	30-JAN-2010 03:06:45	Bright	33.000	5	3Alp Lyr	0.033000	11000.	66	41397	No
43	GOM_TRA_1PNPDE20100130_030948_000000412086_00261_41397_7623.N1	30-JAN-2010 03:09:48	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	41397	No
44	GOM_TRA_1PNPDE20100130_031454_000000542086_00261_41397_7624.N1	30-JAN-2010 03:14:54	Bright	54.000	59	55Alp Oph	2.0800	8900.0	108	41397	No
45	GOM_TRA_1PNPDE20100130_031701_000000362086_00261_41397_7625.N1	30-JAN-2010 03:17:01	Bright	35.500	126	60Bet Oph	2.7700	4250.0	71	41397	No
46	GOM_TRA_1PNPDE20100130_032325_000000412086_00261_41397_7626.N1	30-JAN-2010 03:23:25	Tw_i_and_stray	40.500	86	35Eta Oph	2.4300	10200.	81	41397	No
47	GOM_TRA_1PNPDE20100130_032738_000000582086_00261_41397_7627.N1	30-JAN-2010 03:27:38	Dark	58.000	16	21Alp Sco	1.0200	3000.0	116	41397	No
48	GOM_TRA_1PNPDE20100130_033323_000000422086_00261_41397_7628.N1	30-JAN-2010 03:33:23	Dark	42.000	131	Gam Lup	2.8000	26000.	84	41397	No
49	GOM_TRA_1PNPDE20100130_033840_000000412086_00262_41398_7629.N1	30-JAN-2010 03:38:40	Dark	41.000	4	Alp1Cen	-0.010000	5800.0	82	41398	No
50	GOM_TRA_1PNPDE20100130_034030_000000422086_00262_41398_7630.N1	30-JAN-2010 03:40:30	Dark	42.000	77	Eps Cen	2.3030	28000.	84	41398	No
51	GOM_TRA_1PNPDE20100130_034316_000000502086_00262_41398_7631.N1	30-JAN-2010 03:43:16	Dark	49.500	12	Alp1Cru	0.77500	30000.	99	41398	No
52	GOM_TRA_1PNPDE20100130_034510_000000452086_00262_41398_7632.N1	30-JAN-2010 03:45:10	Dark	45.000	99	Del Cen	2.5750	26000.	90	41398	No
53	GOM_TRA_1PNPDE20100130_034719_000000382086_00262_41398_7633.N1	30-JAN-2010 03:47:19	Dark	38.000	159	Ups Car	2.9200	7200.0	76	41398	No
54	GOM_TRA_1PNPDE20100130_034914_000000442086_00262_41398_7634.N1	30-JAN-2010 03:49:14	Dark	43.500	71	lot Car	2.2460	7700.0	87	41398	No
55	GOM_TRA_1PNPDE20100130_035100_000000402086_00262_41398_7635.N1	30-JAN-2010 03:51:00	Dark	40.000	46	Del Vel	1.9540	10600.	80	41398	No
56	GOM_TRA_1PNPDE20100130_035333_000000432086_00262_41398_7636.N1	30-JAN-2010 03:53:33	Dark	42.500	34	Gam2Vel	1.7930	23000.	85	41398	No
57	GOM_TRA_1PNPDE20100130_035538_000000422086_00262_41398_7637.N1	30-JAN-2010 03:55:38	Straylight	41.500	70	Zet Pup	2.2460	39000.	83	41398	No
58	GOM_TRA_1PNPDE20100130_035907_000000422086_00262_41398_7638.N1	30-JAN-2010 03:59:07	Straylight	41.500	88	31Eta CMa	2.4480	20000.	83	41398	No
59	GOM_TRA_1PNPDE20100130_040853_000000472086_00262_41398_7639.N1	30-JAN-2010 04:08:53	Tw_i_and_stray	46.500	8	10Alp CMi	0.40000	6500.0	93	41398	No
60	GOM_TRA_1PNPDE20100130_041639_000000412086_00262_41398_7640.N1	30-JAN-2010 04:16:39	Bright	40.500	24	66Alp Gem	1.5800	10200.	81	41398	No
61	GOM_TRA_1PNPDE20100130_043247_000000342086_00262_41398_7641.N1	30-JAN-2010 04:32:47	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	41398	No
62	GOM_TRA_1PNPDE20100130_043600_000000392086_00262_41398_7643.N1	30-JAN-2010 04:36:00	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	41398	No
63	GOM_TRA_1PNPDE20100130_044041_000000422086_00262_41398_7644.N1	30-JAN-2010 04:40:41	Bright	42.000	119	14Eta Dra	2.7270	4700.0	84	41398	No
64	GOM_TRA_1PNPDE20100130_044347_000000362086_00262_41398_7645.N1	30-JAN-2010 04:43:47	Bright	35.500	130	23Bet Dra	2.7990	5800.0	71	41398	No
65	GOM_TRA_1PNPDE20100130_044721_000000362086_00262_41398_7646.N1	30-JAN-2010 04:47:21	Bright	36.000	5	3Alp Lyr	0.033000	11000.	72	41398	No
66	GOM_TRA_1PNPDE20100130_045024_000000422086_00262_41398_7647.N1	30-JAN-2010 04:50:24	Bright	41.500	133	40Zet Her	2.8070	6000.0	83	41398	No

67	GOM_TRA_1PNPDE20100130_045530_000000372086_00262_41398_7648.N1	30-JAN-2010 04:55:30	Bright	36.500	59	55Alp Oph	2.0800	8900.0	73	41398	No
68	GOM_TRA_1PNPDE20100130_045738_000000532086_00262_41398_7649.N1	30-JAN-2010 04:57:38	Bright	53.000	126	60Bet Oph	2.7700	4250.0	106	41398	No
69	GOM_TRA_1PNPDE20100130_050401_000000442086_00262_41398_7650.N1	30-JAN-2010 05:04:01	Tw_i_and_stray	44.000	86	35Eta Oph	2.4300	10200.	88	41398	No
70	GOM_TRA_1PNPDE20100130_050815_000000512086_00262_41398_7651.N1	30-JAN-2010 05:08:15	Dark	50.500	16	21Alp Sco	1.0200	3000.0	101	41398	No
71	GOM_TRA_1PNPDE20100130_050933_000000442086_00262_41398_7652.N1	30-JAN-2010 05:09:33	Dark	43.500	158	6Pi Sco	2.9060	28000.	87	41398	No
72	GOM_TRA_1PNPDE20100130_051359_000000432086_00262_41398_7653.N1	30-JAN-2010 05:13:59	Dark	42.500	131	Gam Lup	2.8000	26000.	85	41398	No
73	GOM_TRA_1PNPDE20100130_051917_000000552086_00263_41399_7654.N1	30-JAN-2010 05:19:17	Dark	55.000	4	Alp1Cen	-0.010000	5800.0	110	41399	No
74	GOM_TRA_1PNPDE20100130_052107_000000442086_00263_41399_7655.N1	30-JAN-2010 05:21:07	Dark	43.500	77	Eps Cen	2.3030	28000.	87	41399	No
75	GOM_TRA_1PNPDE20100130_052352_000000452086_00263_41399_7656.N1	30-JAN-2010 05:23:52	Dark	44.500	12	Alp1Cru	0.77500	30000.	89	41399	No
76	GOM_TRA_1PNPDE20100130_052547_000000452086_00263_41399_7657.N1	30-JAN-2010 05:25:47	Dark	44.500	99	Del Cen	2.5750	26000.	89	41399	No
77	GOM_TRA_1PNPDE20100130_052756_000000382086_00263_41399_7658.N1	30-JAN-2010 05:27:56	Dark	38.000	159	Ups Car	2.9200	7200.0	76	41399	No
78	GOM_TRA_1PNPDE20100130_052951_000000442086_00263_41399_7659.N1	30-JAN-2010 05:29:51	Dark	43.500	71	lot Car	2.2460	7700.0	87	41399	No
79	GOM_TRA_1PNPDE20100130_053137_000000402086_00263_41399_7660.N1	30-JAN-2010 05:31:37	Dark	40.000	46	Del Vel	1.9540	10600.	80	41399	No
80	GOM_TRA_1PNPDE20100130_053409_000000412086_00263_41399_7661.N1	30-JAN-2010 05:34:09	Dark	40.500	34	Gam2Vel	1.7930	23000.	81	41399	No
81	GOM_TRA_1PNPDE20100130_053615_000000402086_00263_41399_7662.N1	30-JAN-2010 05:36:15	Straylight	40.000	70	Zet Pup	2.2460	39000.	80	41399	No
82	GOM_TRA_1PNPDE20100130_053944_000000402086_00263_41399_7663.N1	30-JAN-2010 05:39:44	Straylight	40.000	88	31Eta CMa	2.4480	20000.	80	41399	No
83	GOM_TRA_1PNPDE20100130_054928_000000502086_00263_41399_7664.N1	30-JAN-2010 05:49:28	Tw_i_and_stray	49.500	8	10Alp CMi	0.40000	6500.0	99	41399	No
84	GOM_TRA_1PNPDE20100130_055715_000000402086_00263_41399_7665.N1	30-JAN-2010 05:57:15	Bright	40.000	24	66Alp Gem	1.5800	10200.	80	41399	No
85	GOM_TRA_1PNPDE20100130_061323_000000362086_00263_41399_7666.N1	30-JAN-2010 06:13:23	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	41399	No
86	GOM_TRA_1PNPDE20100130_061636_000000402086_00263_41399_7667.N1	30-JAN-2010 06:16:36	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	41399	No
87	GOM_TRA_1PNPDE20100130_203935_000000422086_00272_41408_7736.N1	30-JAN-2010 20:39:35	Dark	42.000	34	Gam2Vel	1.7930	23000.	84	41408	No
88	GOM_TRA_1PNPDE20100130_204140_000000422086_00272_41408_7737.N1	30-JAN-2010 20:41:40	Straylight	41.500	70	Zet Pup	2.2460	39000.	83	41408	No
89	GOM_TRA_1PNPDE20100130_204508_000000412086_00272_41408_7738.N1	30-JAN-2010 20:45:08	Straylight	40.500	88	31Eta CMa	2.4480	20000.	81	41408	No
90	GOM_TRA_1PNPDE20100130_205452_000000472086_00272_41408_7739.N1	30-JAN-2010 20:54:52	Tw_i_and_stray	47.000	8	10Alp CMi	0.40000	6500.0	94	41408	No
91	GOM_TRA_1PNPDE20100130_210039_000000372086_00272_41408_7740.N1	30-JAN-2010 21:00:39	Bright	37.000	170	27Eps Gem	3.0000	9700.0	74	41408	No
92	GOM_TRA_1PNPDE20100130_210237_000000392086_00272_41408_7741.N1	30-JAN-2010 21:02:37	Bright	38.500	24	66Alp Gem	1.5800	10200.	77	41408	No
93	GOM_TRA_1PNPDE20100130_211847_000000342086_00272_41408_7742.N1	30-JAN-2010 21:18:47	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	41408	No
94	GOM_TRA_1PNPDE20100130_212157_000000402086_00272_41408_7743.N1	30-JAN-2010 21:21:57	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	41408	No
95	GOM_TRA_1PNPDE20100130_212639_000000402086_00272_41408_7744.N1	30-JAN-2010 21:26:39	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	41408	No
96	GOM_TRA_1PNPDE20100130_212946_000000372086_00272_41408_7745.N1	30-JAN-2010 21:29:46	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	41408	No
97	GOM_TRA_1PNPDE20100130_213322_000000382086_00272_41408_7746.N1	30-JAN-2010 21:33:22	Bright	37.500	5	3Alp Lyr	0.033000	11000.	75	41408	No
98	GOM_TRA_1PNPDE20100130_213624_000000612086_00272_41408_7747.N1	30-JAN-2010 21:36:24	Bright	61.000	133	40Zet Her	2.8070	6000.0	122	41408	No
99	GOM_TRA_1PNPDE20100130_214132_000000372086_00272_41408_7748.N1	30-JAN-2010 21:41:32	Bright	36.500	59	55Alp Oph	2.0800	8900.0	73	41408	No
100	GOM_TRA_1PNPDE20100130_214340_000000542086_00272_41408_7749.N1	30-JAN-2010 21:43:40	Bright	53.500	126	60Bet Oph	2.7700	4250.0	107	41408	No
101	GOM_TRA_1PNPDE20100130_215005_000000432086_00272_41408_7753.N1	30-JAN-2010 21:50:05	Tw_i_and_stray	43.000	86	35Eta Oph	2.4300	10200.	86	41408	No
102	GOM_TRA_1PNPDE20100130_215421_000000522086_00272_41408_7754.N1	30-JAN-2010 21:54:21	Dark	51.500	16	21Alp Sco	1.0200	3000.0	103	41408	No
103	GOM_TRA_1PNPDE20100130_220006_000000422086_00272_41408_7755.N1	30-JAN-2010 22:00:06	Dark	41.500	131	Gam Lup	2.8000	26000.	83	41408	No
104	GOM_TRA_1PNPDE20100130_220218_000000452086_00272_41408_7756.N1	30-JAN-2010 22:02:18	Dark	45.000	109	Bet Lup	2.6770	26000.	90	41408	No
105	GOM_TRA_1PNPDE20100130_220521_000000412086_00273_41409_7757.N1	30-JAN-2010 22:05:21	Dark	41.000	4	Alp1Cen	-0.010000	5800.0	82	41409	No
106	GOM_TRA_1PNPDE20100130_220714_000000422086_00273_41409_7758.N1	30-JAN-2010 22:07:14	Dark	41.500	77	Eps Cen	2.3030	28000.	83	41409	No
107	GOM_TRA_1PNPDE20100130_220957_000000422086_00273_41409_7759.N1	30-JAN-2010 22:09:57	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	41409	No
108	GOM_TRA_1PNPDE20100130_221154_000000462086_00273_41409_7760.N1	30-JAN-2010 22:11:54	Dark	45.500	99	Del Cen	2.5750	26000.	91	41409	No
109	GOM_TRA_1PNPDE20100130_221359_000000382086_00273_41409_7761.N1	30-JAN-2010 22:13:59	Dark	38.000	159	Ups Car	2.9200	7200.0	76	41409	No
110	GOM_TRA_1PNPDE20100130_221553_000000452086_00273_41409_7762.N1	30-JAN-2010 22:15:53	Dark	44.500	71	lot Car	2.2460	7700.0	89	41409	No
111	GOM_TRA_1PNPDE20100130_221739_000000442086_00273_41409_7763.N1	30-JAN-2010 22:17:39	Dark	44.000	46	Del Vel	1.9540	10600.	88	41409	No
112	GOM_TRA_1PNPDE20100130_222011_000000422086_00273_41409_7764.N1	30-JAN-2010 22:20:11	Dark	41.500	34	Gam2Vel	1.7930	23000.	83	41409	No
113	GOM_TRA_1PNPDE20100130_222216_000000412086_00273_41409_7765.N1	30-JAN-2010 22:22:16	Straylight	41.000	70	Zet Pup	2.2460	39000.	82	41409	No
114	GOM_TRA_1PNPDE20100130_222545_000000402086_00273_41409_7766.N1	30-JAN-2010 22:25:45	Straylight	40.000	88	31Eta CMa	2.4480	20000.	80	41409	No
115	GOM_TRA_1PNPDE20100130_223528_000000492086_00273_41409_7767.N1	30-JAN-2010 22:35:28	Tw_i_and_stray	48.500	8	10Alp CMi	0.40000	6500.0	97	41409	No
116	GOM_TRA_1PNPDE20100130_224115_000000372086_00273_41409_7768.N1	30-JAN-2010 22:41:15	Bright	36.500	170	27Eps Gem	3.0000	9700.0	73	41409	No
117	GOM_TRA_1PNPDE20100130_224313_000000402086_00273_41409_7769.N1	30-JAN-2010 22:43:13	Bright	39.500	24	66Alp Gem	1.5800	10200.	79	41409	No
118	GOM_TRA_1PNPDE20100130_225923_000000362086_00273_41409_7770.N1	30-JAN-2010 22:59:23	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	41409	No
119	GOM_TRA_1PNPDE20100130_230232_000000422086_00273_41409_7771.N1	30-JAN-2010 23:02:32	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	41409	No
120	GOM_TRA_1PNPDE20100130_230714_000000362086_00273_41409_7772.N1	30-JAN-2010 23:07:14	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	41409	No
121	GOM_TRA_1PNPDE20100130_231022_000000392086_00273_41409_7773.N1	30-JAN-2010 23:10:22	Bright	39.000	130	23Bet Dra	2.7990	5800.0	78	41409	No
122	GOM_TRA_1PNPDE20100130_231358_000000472086_00273_41409_7774.N1	30-JAN-2010 23:13:58	Bright	46.500	5	3Alp Lyr	0.033000	11000.	93	41409	No
123	GOM_TRA_1PNPDE20100130_231700_000000432086_00273_41409_7775.N1	30-JAN-2010 23:17:00	Bright	42.500	133	40Zet Her	2.8070	6000.0	85	41409	No
124	GOM_TRA_1PNPDE20100130_232208_000000552086_00273_41409_7776.N1	30-JAN-2010 23:22:08	Bright	54.500	59	55Alp Oph	2.0800	8900.0	109	41409	No
125	GOM_TRA_1PNPDE20100130_233042_000000442086_00273_41409_7770.N1	30-JAN-2010 23:30:42	Tw_i_and_stray	44.000	86	35Eta Oph	2.4300	10200.	88	41409	No



126	GOM_TRA_1PNPDE20100130_233457_000000492086_00273_41409_7771.N1	30-JAN-2010 23:34:57	Dark	49.000	16	21Alp Sco	1.0200	3000.0	98	41409	No
127	GOM_TRA_1PNPDE20100130_233618_000000442086_00273_41409_7772.N1	30-JAN-2010 23:36:18	Dark	44.000	158	6Pi Sco	2.9060	28000.	88	41409	No
128	GOM_TRA_1PNPDE20100130_234043_000000432086_00273_41409_7773.N1	30-JAN-2010 23:40:43	Dark	42.500	131	Gam Lup	2.8000	26000.	85	41409	No
129	GOM_TRA_1PNPDE20100130_234255_000000432086_00273_41409_7774.N1	30-JAN-2010 23:42:55	Dark	43.000	109	Bet Lup	2.6770	26000.	86	41409	No
130	GOM_TRA_1PNPDE20100130_234558_000000542086_00274_41410_7775.N1	30-JAN-2010 23:45:58	Dark	53.500	4	Alp1Cen	-0.010000	5800.0	107	41410	No
131	GOM_TRA_1PNPDE20100130_234750_000000422086_00274_41410_7776.N1	30-JAN-2010 23:47:50	Dark	41.500	77	Eps Cen	2.3030	28000.	83	41410	No
132	GOM_TRA_1PNPDE20100130_235033_000000442086_00274_41410_7777.N1	30-JAN-2010 23:50:33	Dark	43.500	12	Alp1Cru	0.77500	30000.	87	41410	No
133	GOM_TRA_1PNPDE20100130_235231_000000452086_00274_41410_7778.N1	30-JAN-2010 23:52:31	Dark	45.000	99	Del Cen	2.5750	26000.	90	41410	No
134	GOM_TRA_1PNPDE20100130_235435_000000402086_00274_41410_7779.N1	30-JAN-2010 23:54:35	Dark	39.500	159	Ups Car	2.9200	7200.0	79	41410	No
135	GOM_TRA_1PNPDE20100130_235630_000000432086_00274_41410_7780.N1	30-JAN-2010 23:56:30	Dark	42.500	71	lot Car	2.2460	7700.0	85	41410	No
136	GOM_TRA_1PNPDE20100130_235815_000000412086_00274_41410_7781.N1	30-JAN-2010 23:58:15	Dark	41.000	46	Del Vel	1.9540	10600.	82	41410	No

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



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

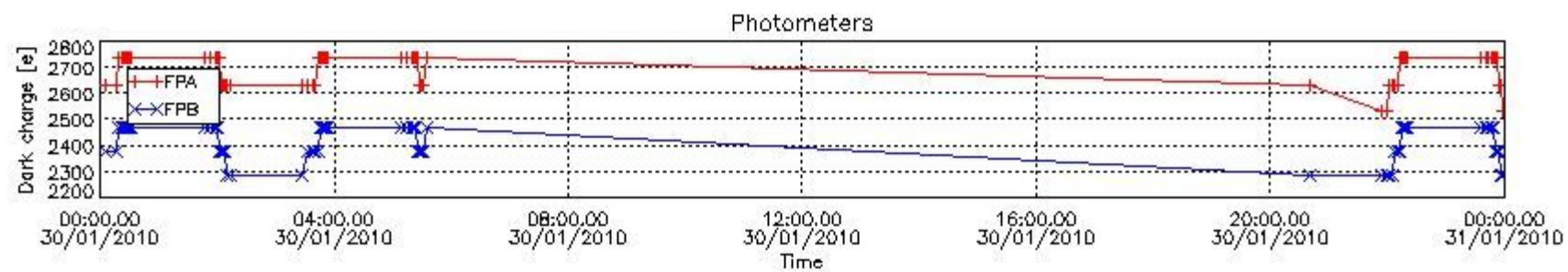
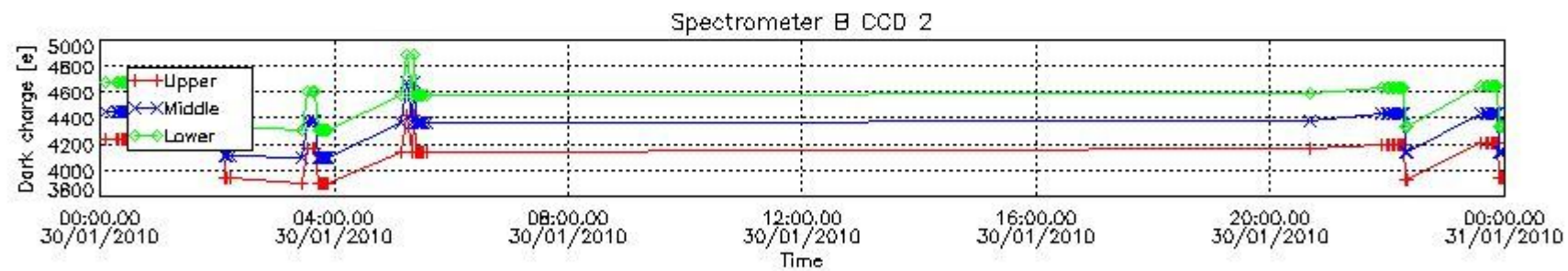
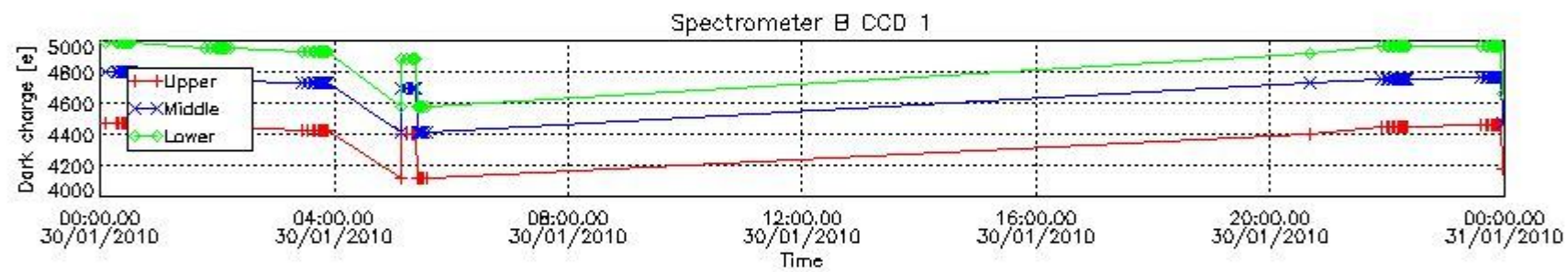
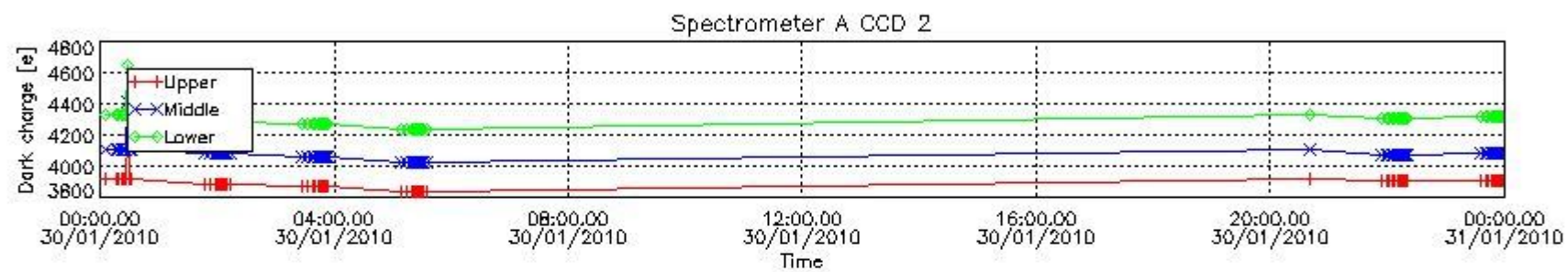
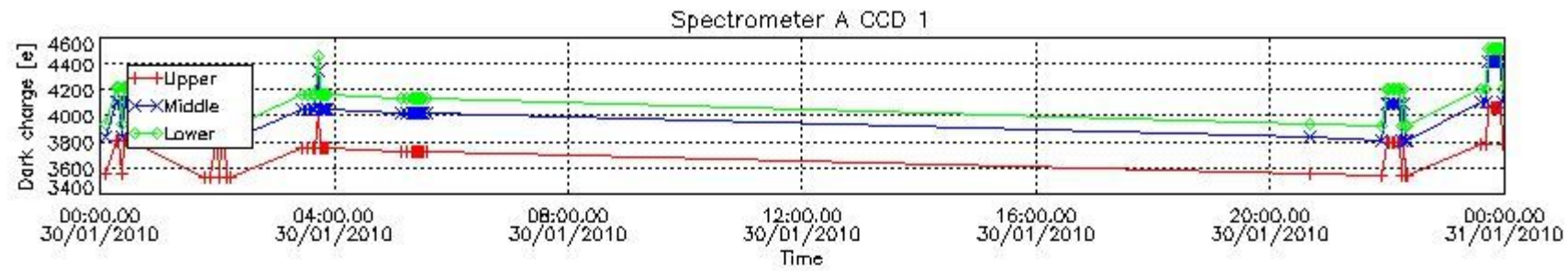
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20100130_203935_000000422086_00272_41408_7736.N1	DC map used
GOM_TRA_1PNPDE20100130_204140_000000422086_00272_41408_7737.N1	DC map used
GOM_TRA_1PNPDE20100130_204508_000000412086_00272_41408_7738.N1	DC map used
GOM_TRA_1PNPDE20100130_205452_000000472086_00272_41408_7739.N1	DC map used
GOM_TRA_1PNPDE20100130_210039_000000372086_00272_41408_7740.N1	DC map used
GOM_TRA_1PNPDE20100130_210237_000000392086_00272_41408_7741.N1	DC map used
GOM_TRA_1PNPDE20100130_211847_000000342086_00272_41408_7742.N1	DC map used
GOM_TRA_1PNPDE20100130_212157_000000402086_00272_41408_7743.N1	DC map used
GOM_TRA_1PNPDE20100130_212639_000000402086_00272_41408_7744.N1	DC map used
GOM_TRA_1PNPDE20100130_212946_000000372086_00272_41408_7745.N1	DC map used
GOM_TRA_1PNPDE20100130_213322_000000382086_00272_41408_7746.N1	DC map used
GOM_TRA_1PNPDE20100130_213624_000000612086_00272_41408_7747.N1	DC map used
GOM_TRA_1PNPDE20100130_214132_000000372086_00272_41408_7748.N1	DC map used
GOM_TRA_1PNPDE20100130_214340_000000542086_00272_41408_7749.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

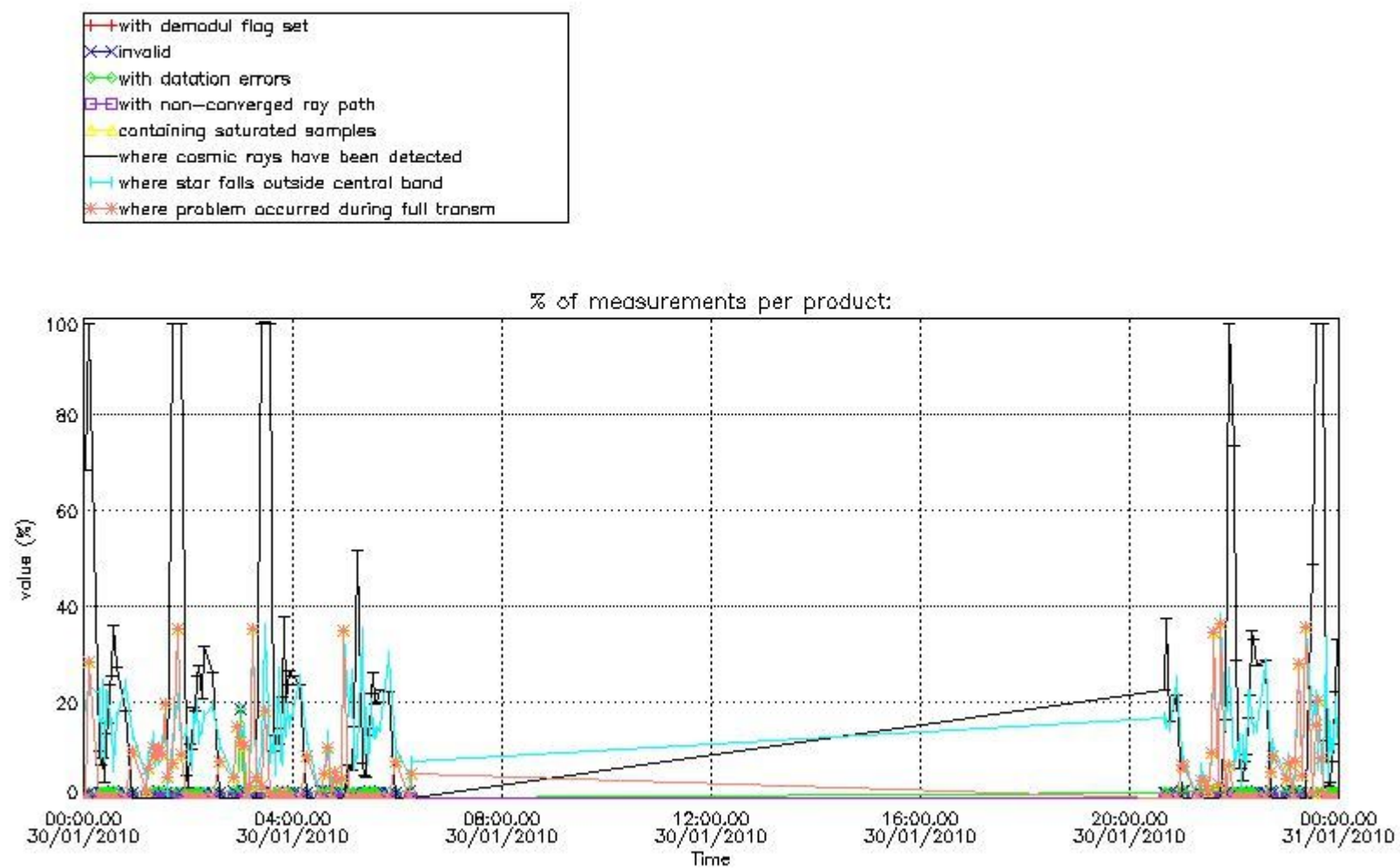
In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

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



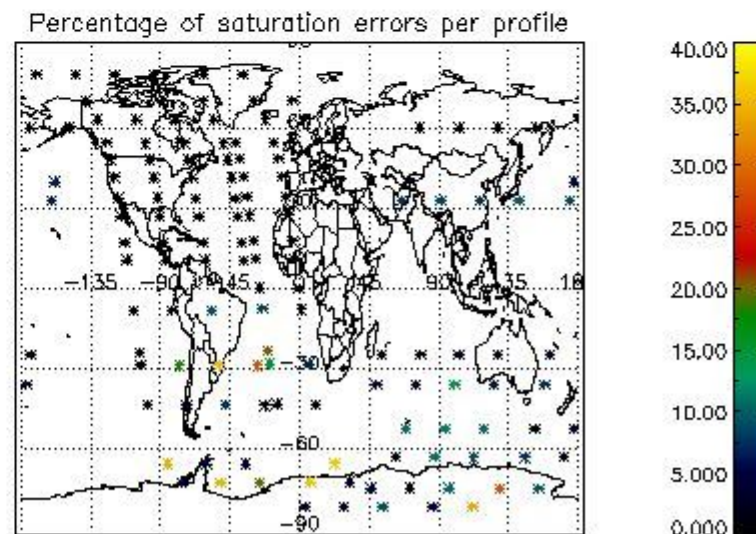
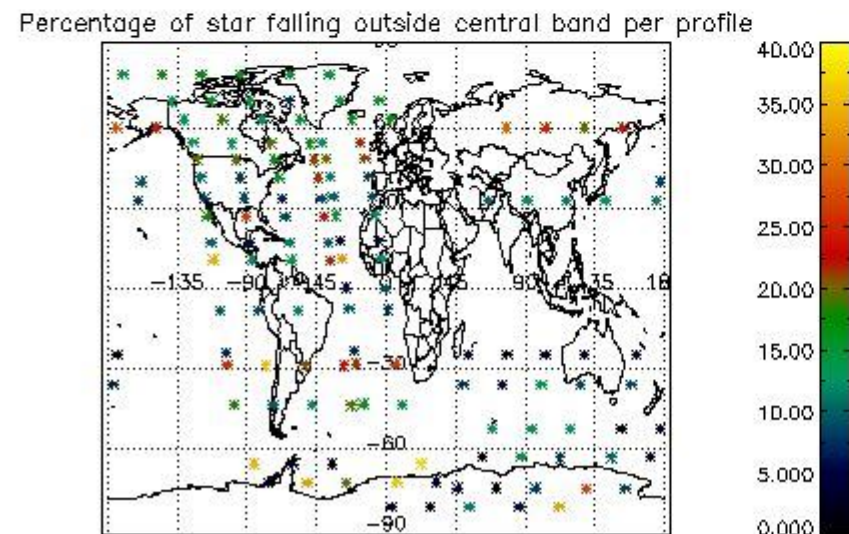
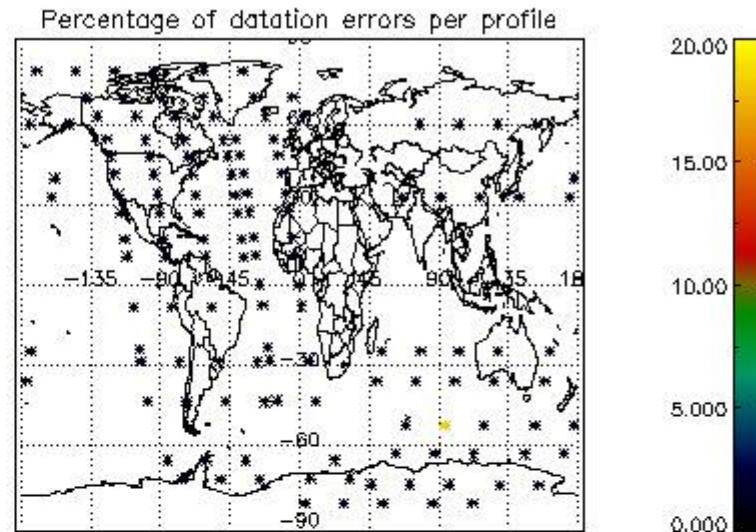
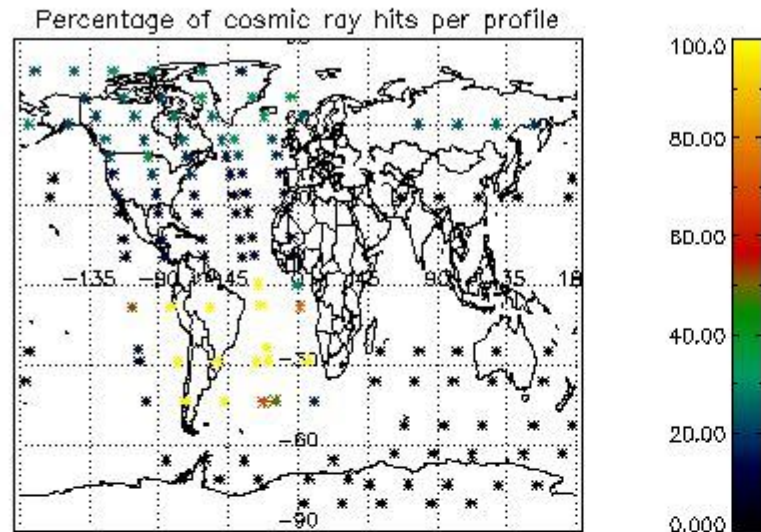
At least one measurement with demodulation flag set:	41.1765 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)





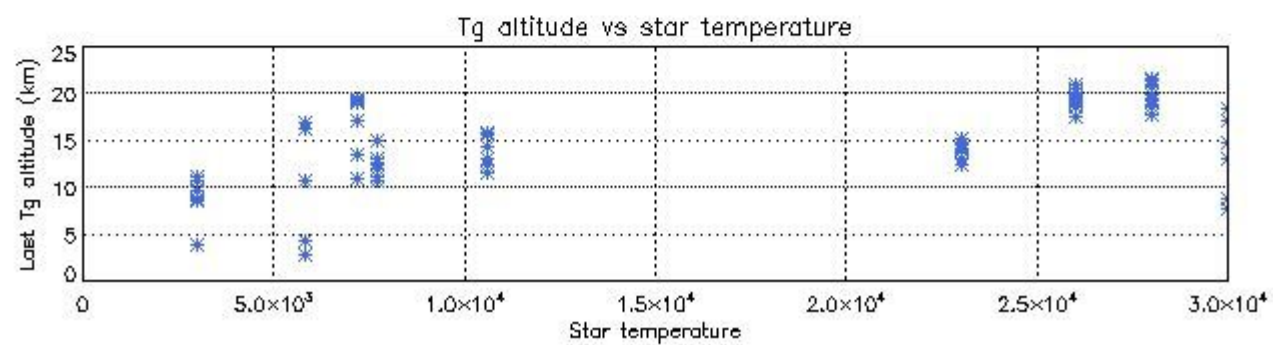
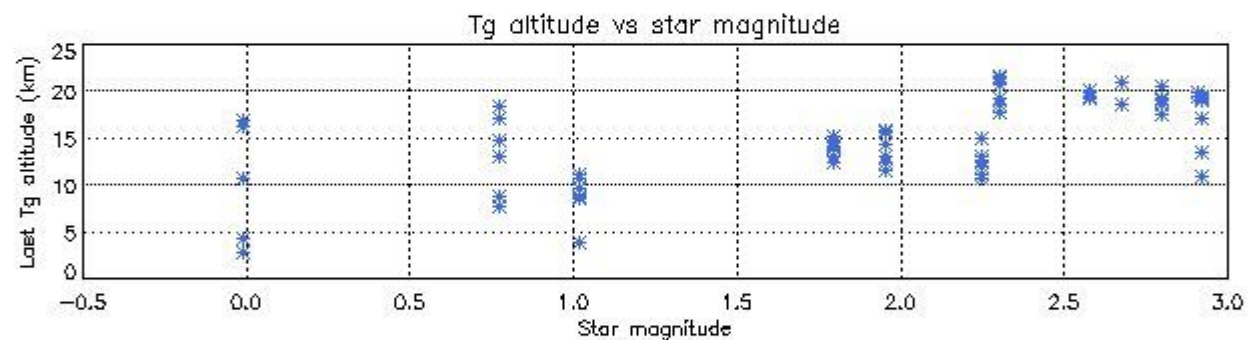
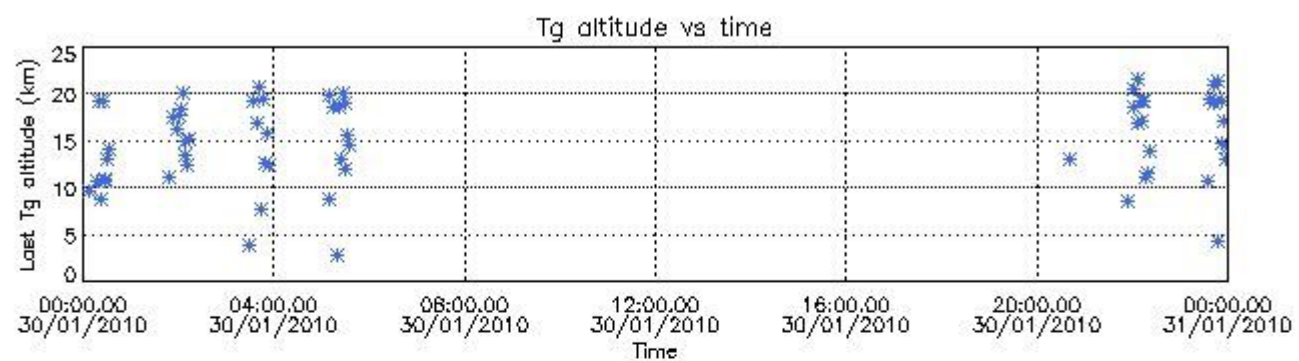
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	15.072	18.118	NaN
St. deviation:	4.5739	5.9910	NaN
Maximum:	21.553	28.179	NaN
Minimum:	2.8464	4.2592	NaN
Number of data:	63.000	49.000	NaN

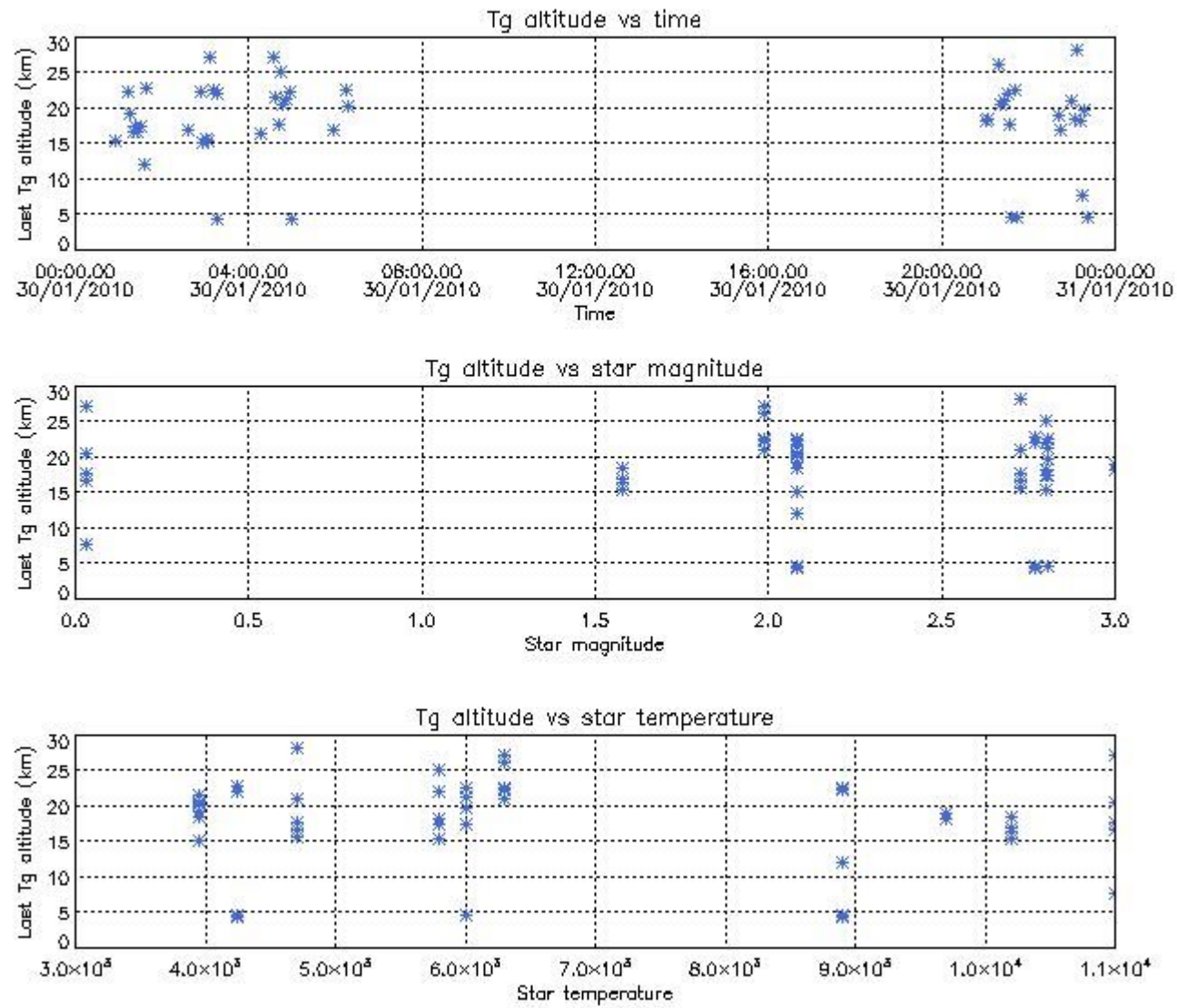
### 6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost



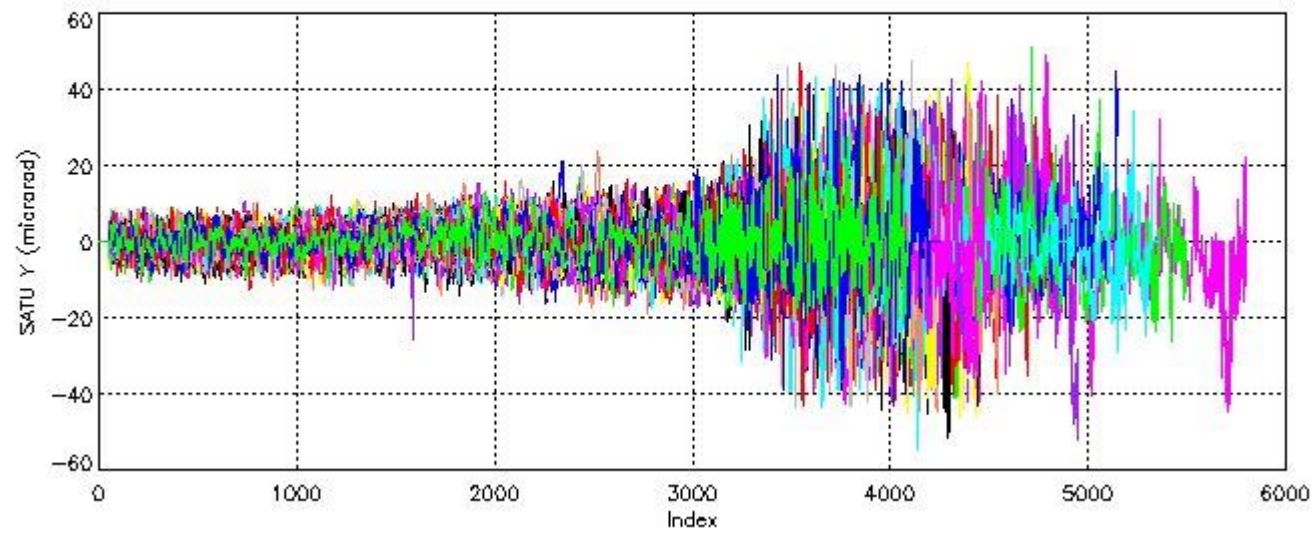
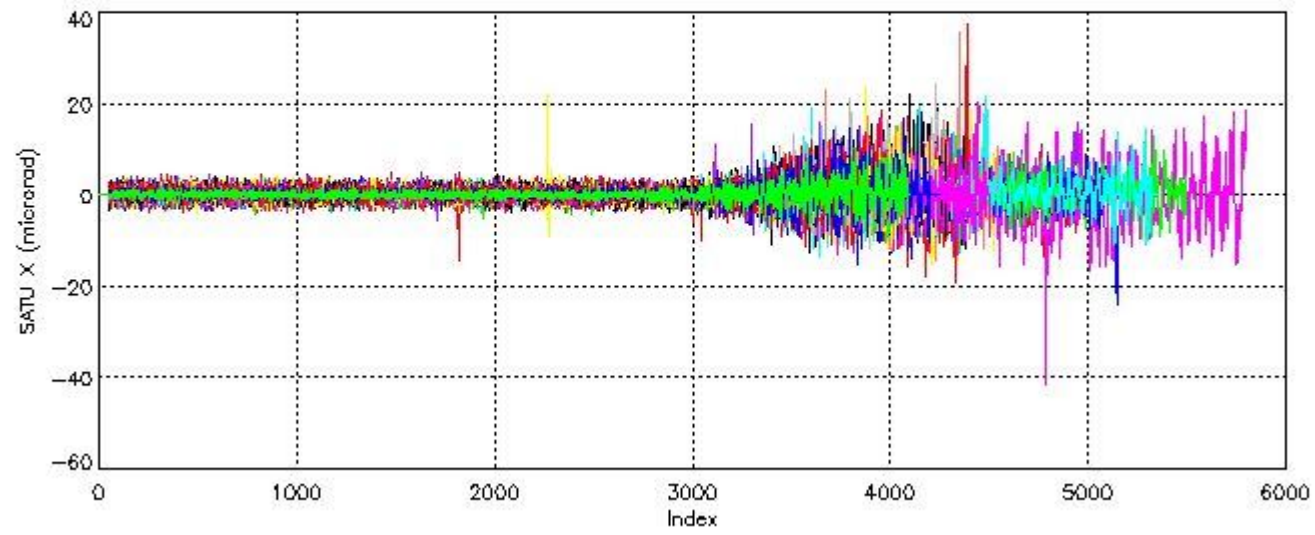
## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.14936	-0.34417	0.075853	-0.36150
St. deviation:	0.63963	2.7663	0.56899	2.6898
Maximum:	4.5000	10.700	3.4000	11.100
Minimum:	-4.1000	-12.600	-3.3000	-13.300

Number of data:	59800.	59800.	43250.	43250.
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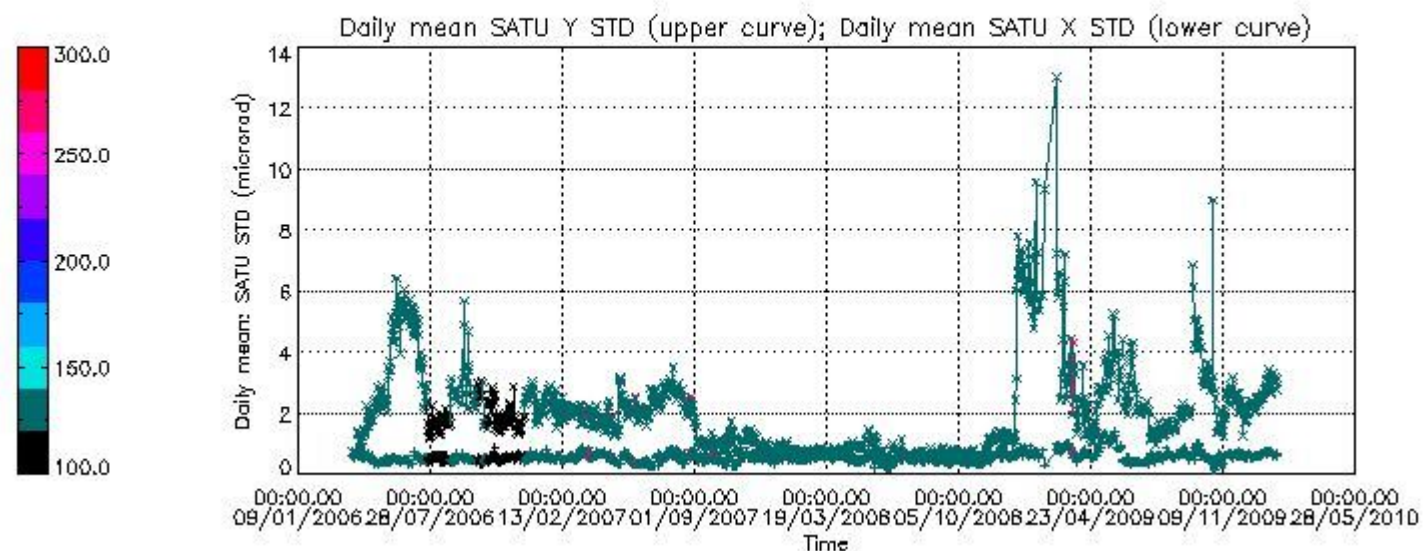
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

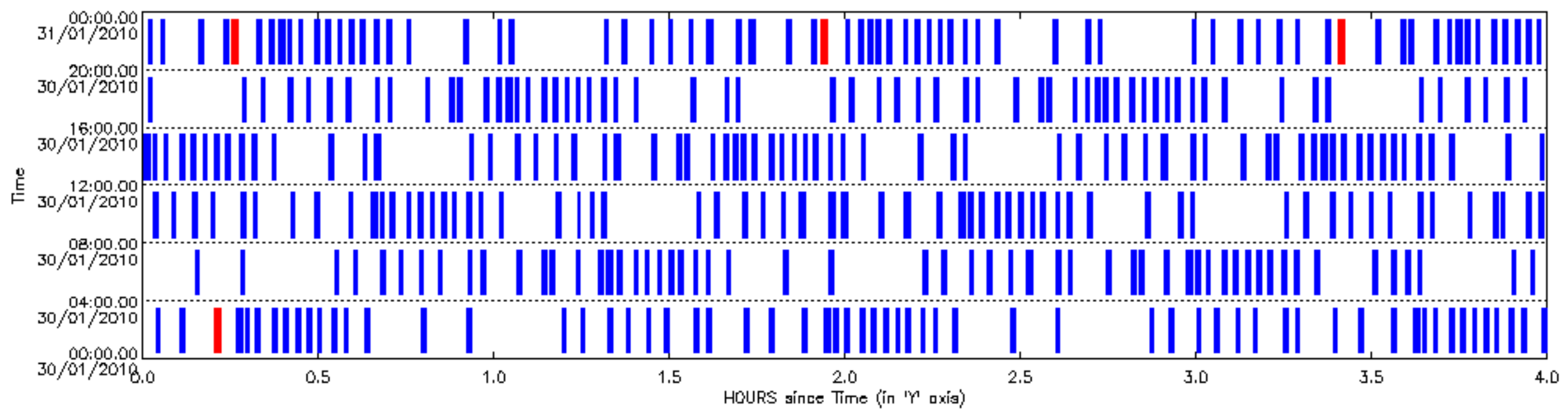
Lower curve: STD of SATU X axis



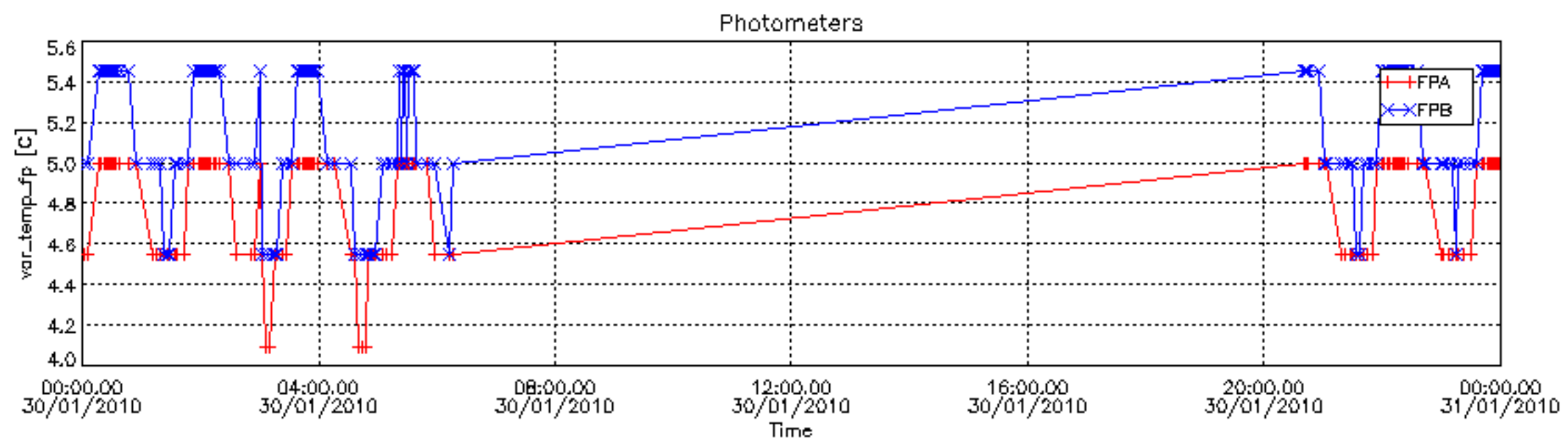
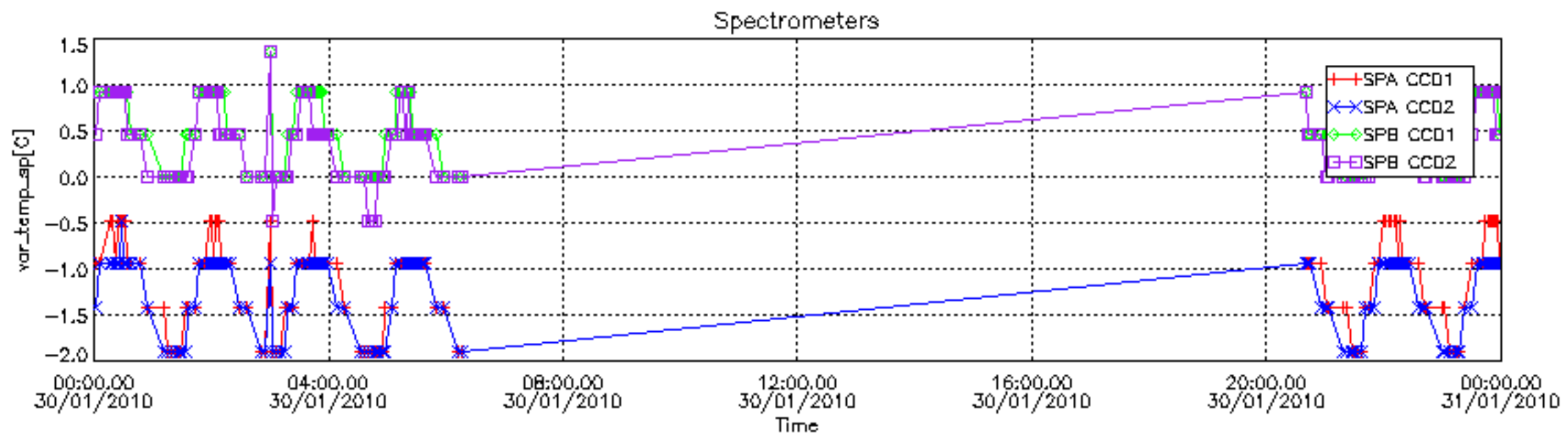
### 8. Auxiliary Data Files used for the production reported in section 2.4

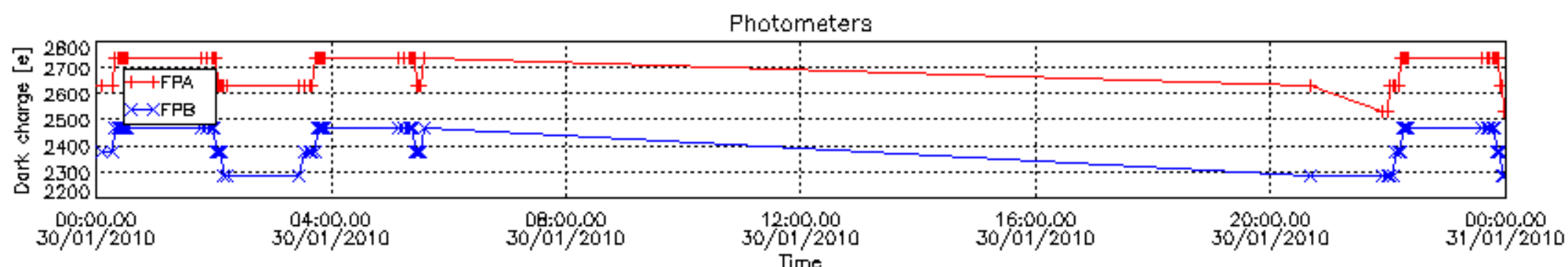
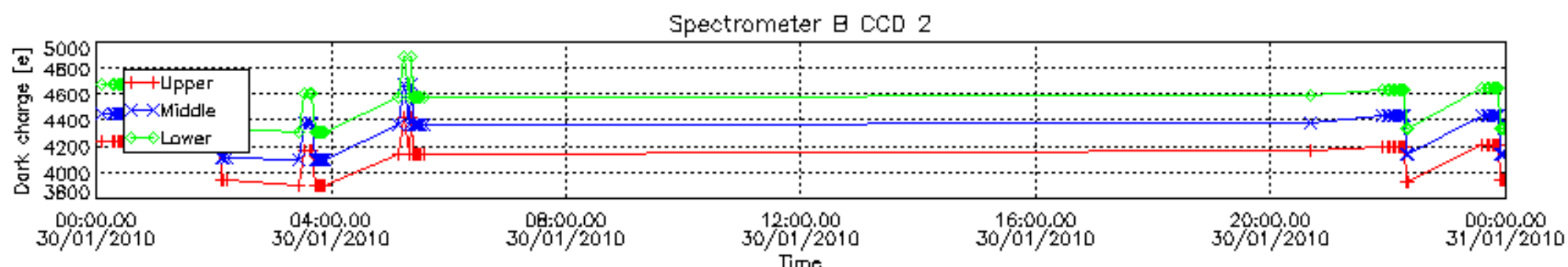
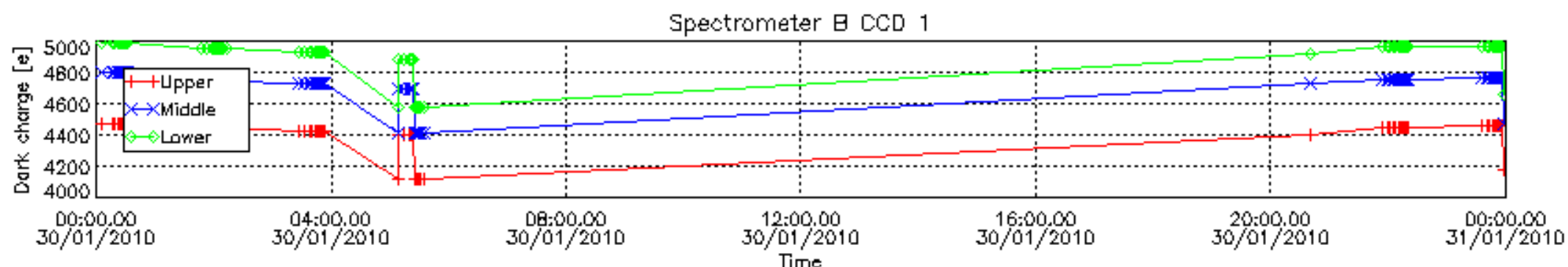
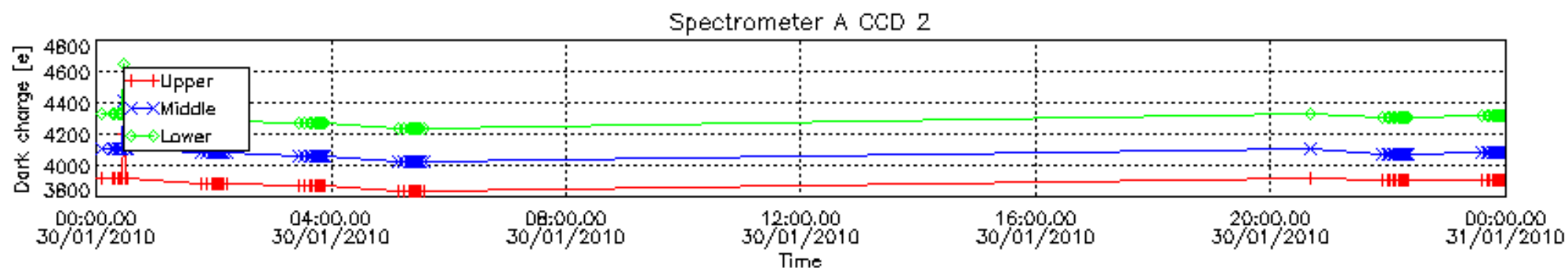
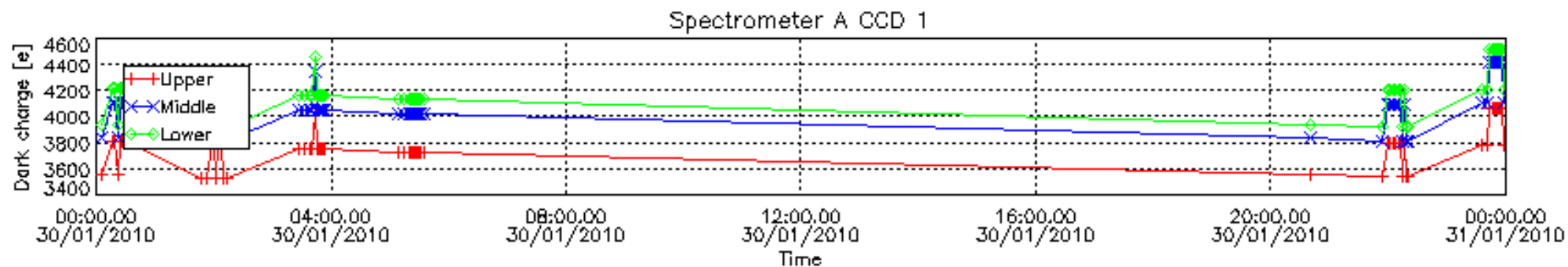
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

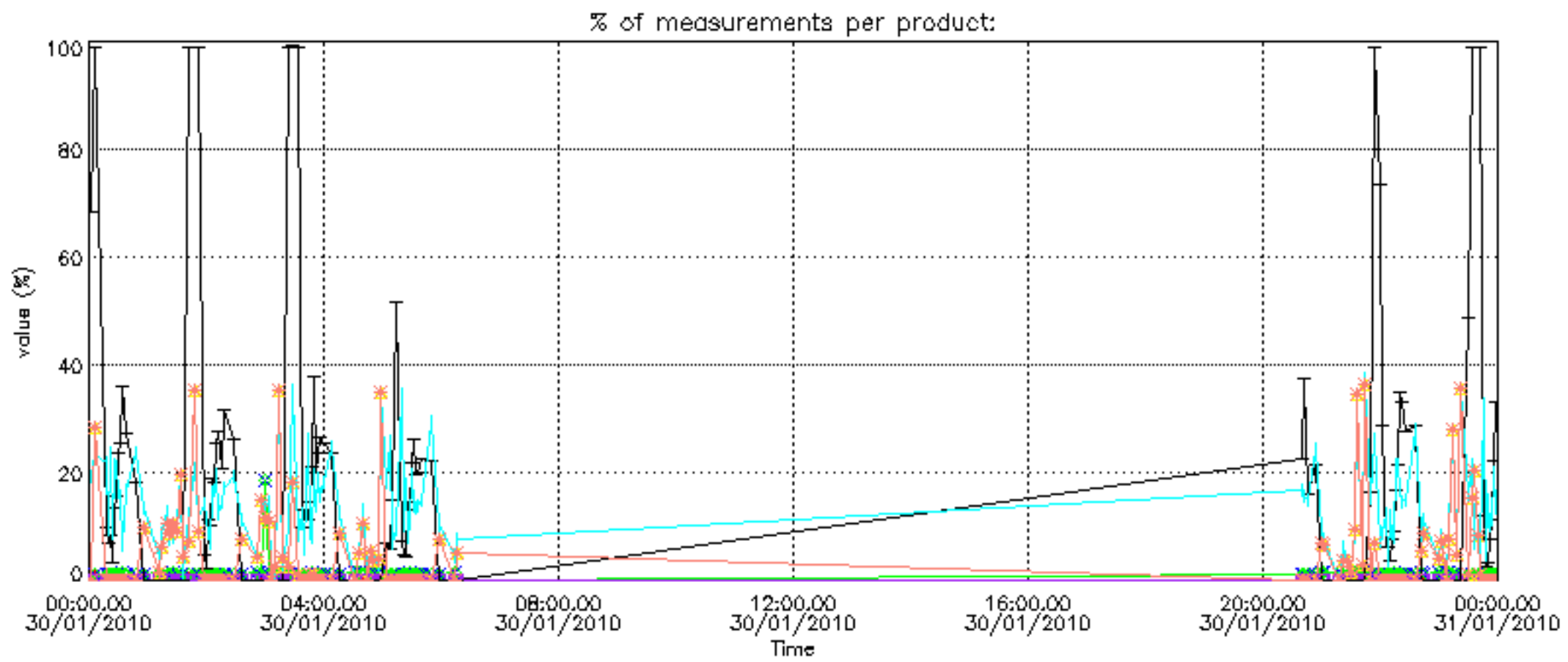
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	30-JAN-2010 00:02:12
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100127_093029_20100125_000000_20500101_000000	1	30-JAN-2010 00:02:12
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	30-JAN-2010 00:02:12
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	30-JAN-2010 00:02:12
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	30-JAN-2010 00:02:12
ECMWF_FILE	AUX_ECF_AXNECM20100129_062113_20100129_210000_20100130_090000	1	30-JAN-2010 00:02:12
ECMWF_FILE	AUX_ECF_AXNECM20100129_180113_20100130_030000_20100130_150000	40	30-JAN-2010 03:00:05
ECMWF_FILE	AUX_ECA_AXNECM20100130_062113_20100129_210000_20100130_090000	62	30-JAN-2010 04:36:00
ECMWF_FILE	AUX_ECF_AXNECM20100130_062114_20100130_150000_20100131_030000	87	30-JAN-2010 20:39:35
ECMWF_FILE	AUX_ECF_AXNECM20100130_062114_20100130_210000_20100131_090000	101	30-JAN-2010 21:50:05
OPTIONAL_ECMWF_FILE	MISSING	1	30-JAN-2010 00:02:12
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100129_221657_000060572086_00258_41394_9665.N1	1	30-JAN-2010 00:02:12
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100129_235754_000057382086_00259_41395_9666.N1	2	30-JAN-2010 00:06:25
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100130_013851_000044632086_00260_41396_9667.N1	23	30-JAN-2010 01:42:49
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100130_025833_000054192086_00261_41397_9668.N1	40	30-JAN-2010 03:00:05
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100128_230116_20100128_194418_20100207_211030	62	30-JAN-2010 04:36:00
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100130_203552_000038252086_00272_41408_9670.N1	87	30-JAN-2010 20:39:35
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100130_214456_000057382086_00272_41408_9671.N1	101	30-JAN-2010 21:50:05
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100130_232553_000057382086_00273_41409_9672.N1	125	30-JAN-2010 23:30:42





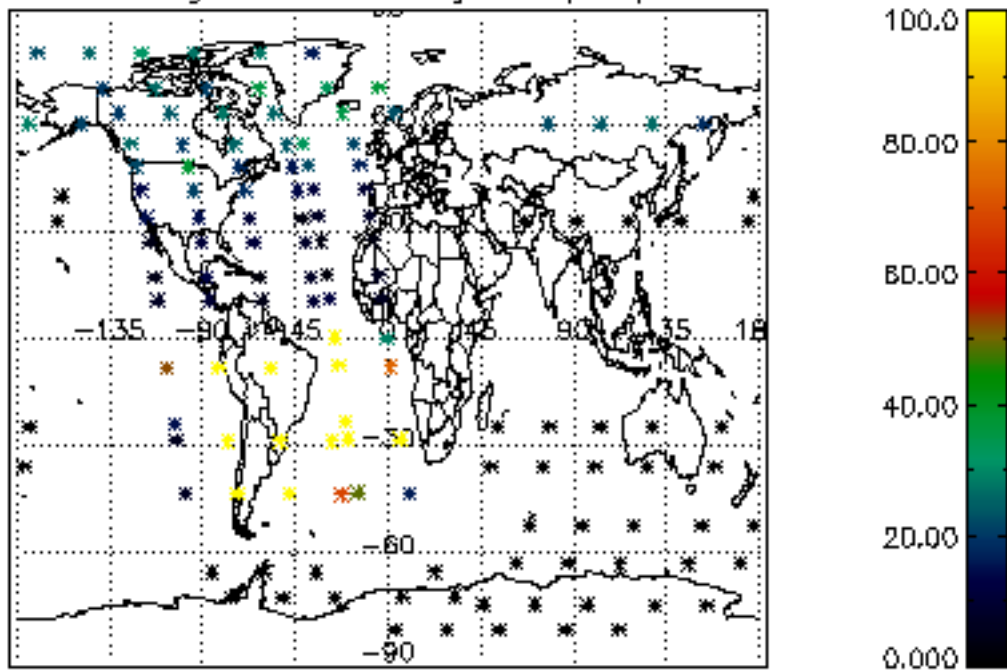




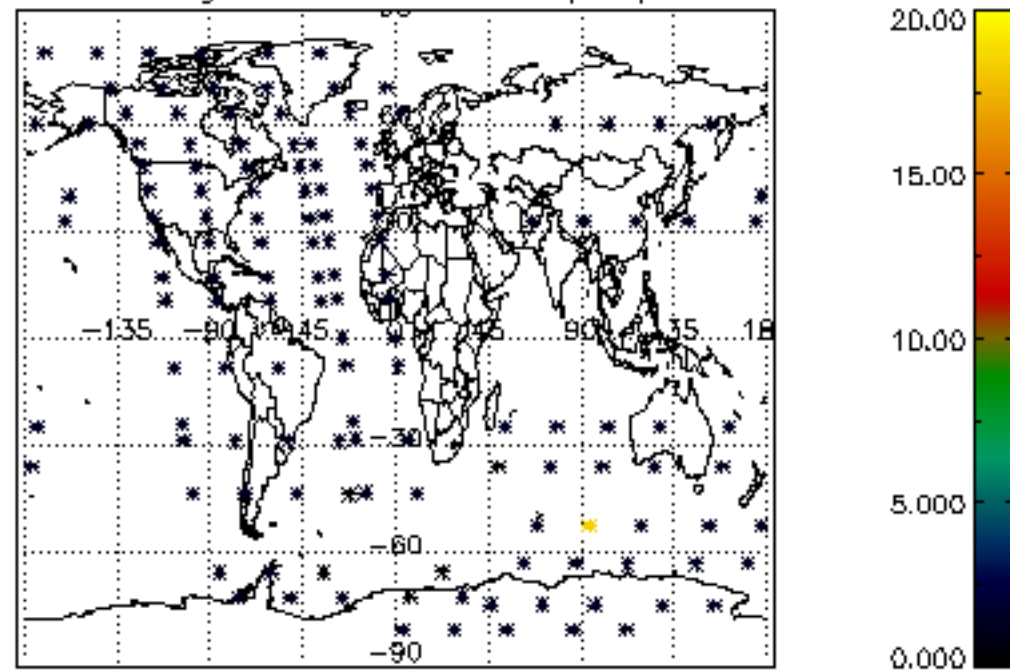




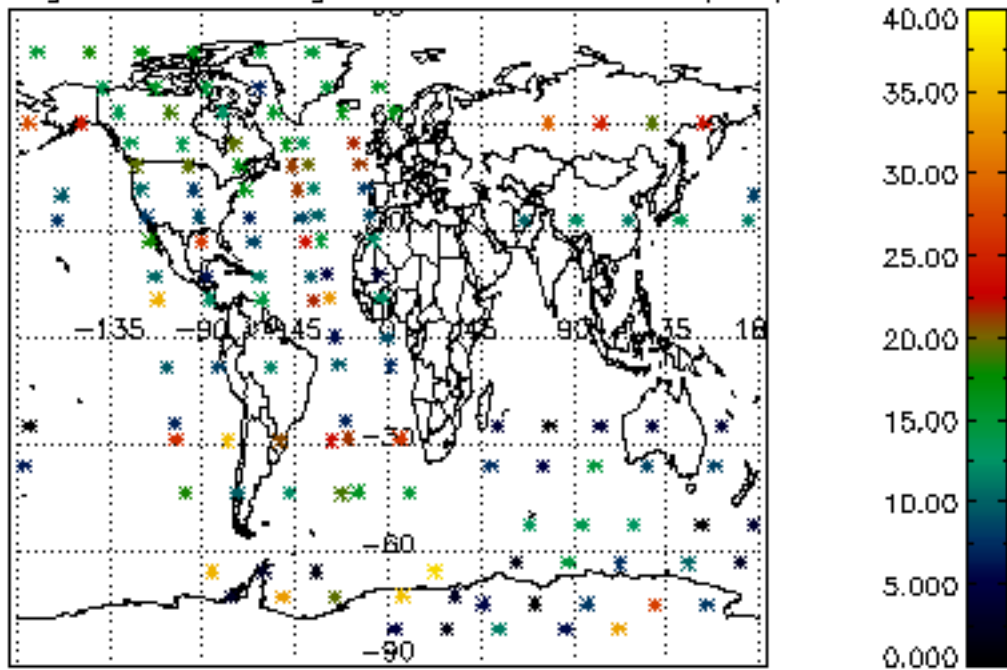
Percentage of cosmic ray hits per profile



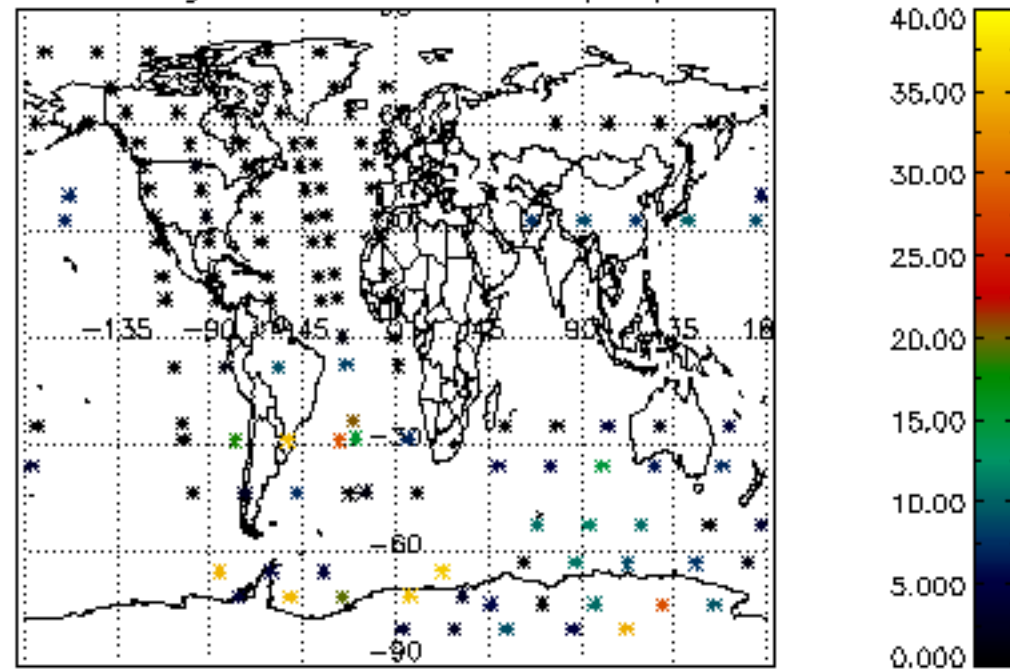
Percentage of datation errors per profile



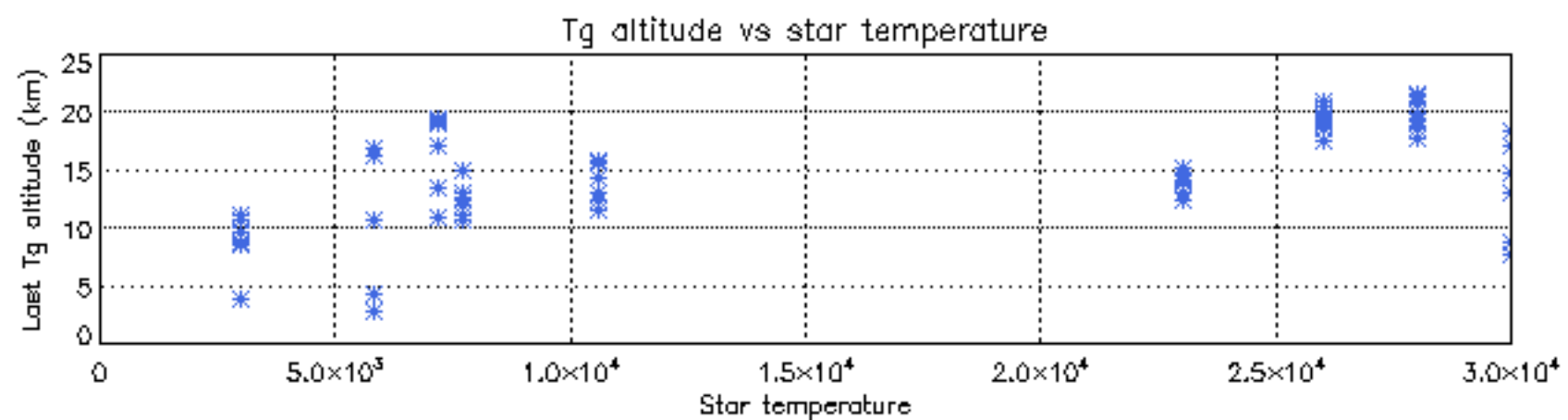
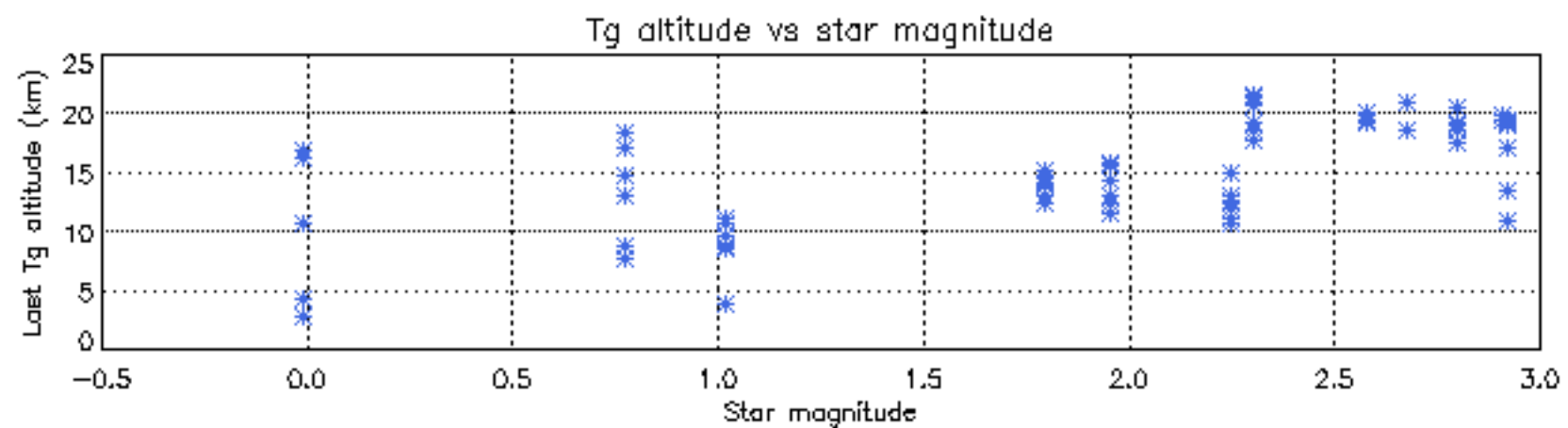
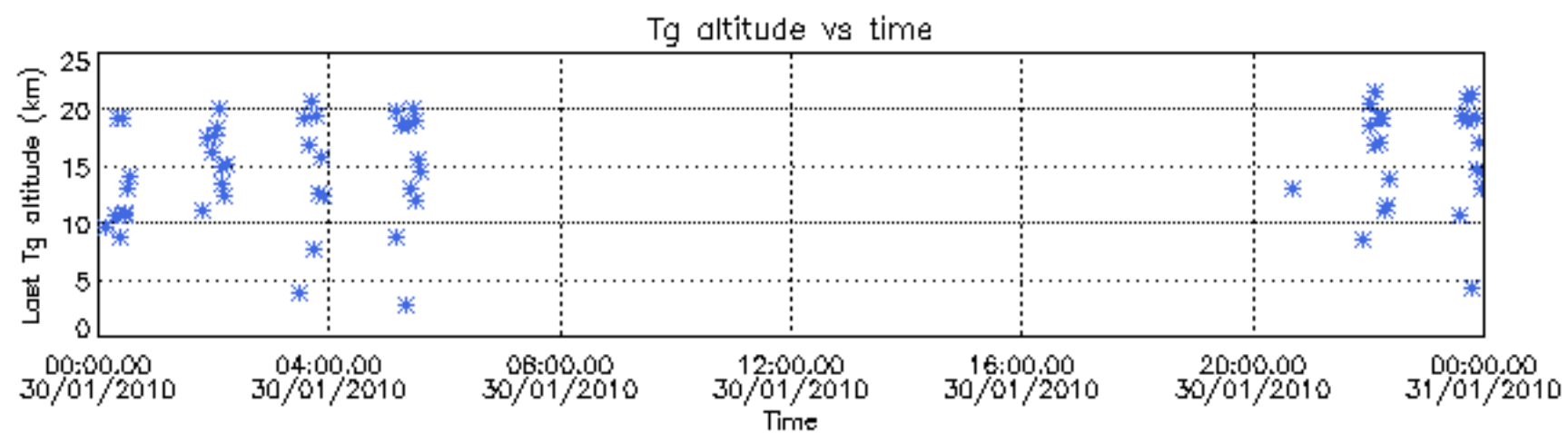
Percentage of star falling outside central band per profile



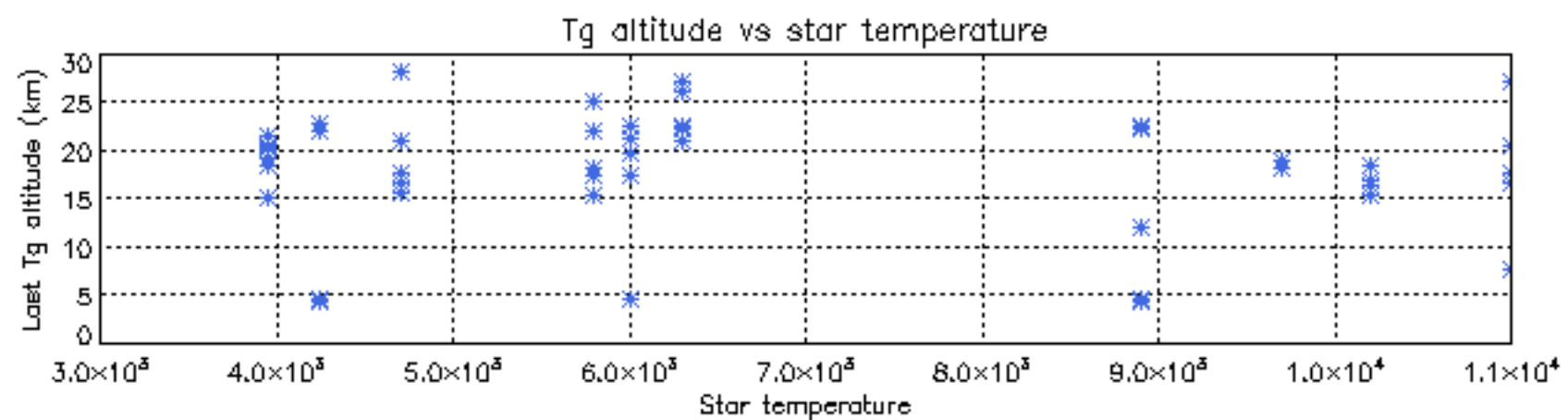
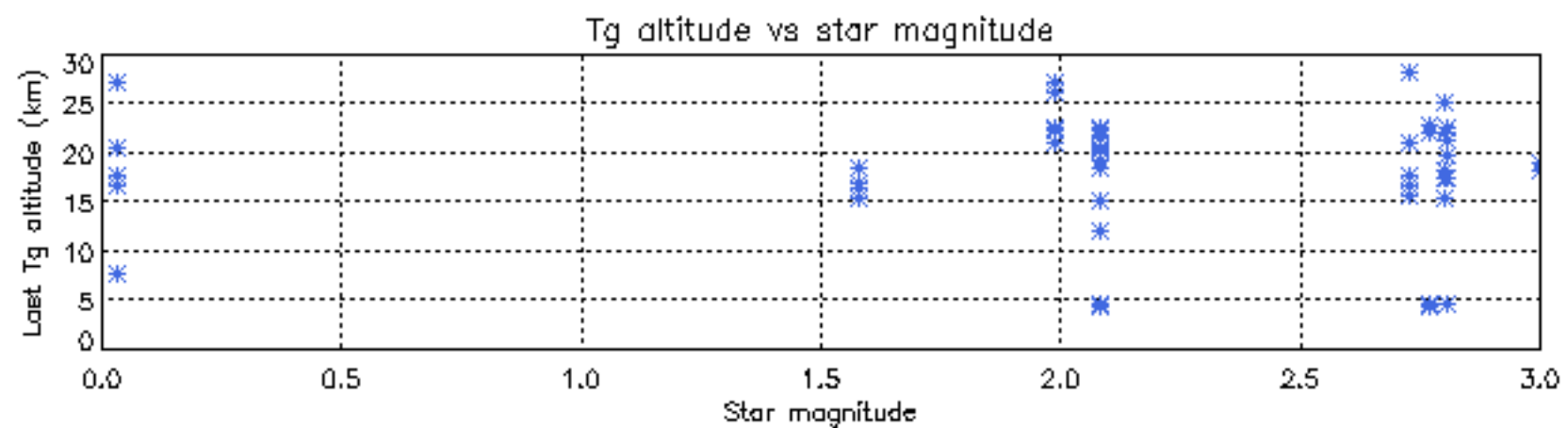
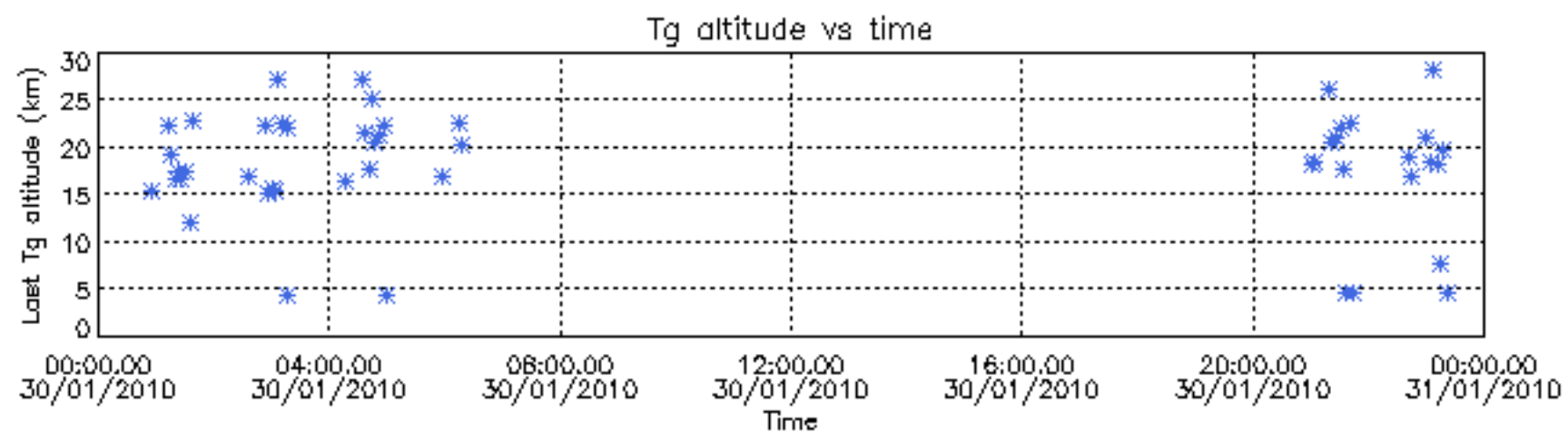
Percentage of saturation errors per profile



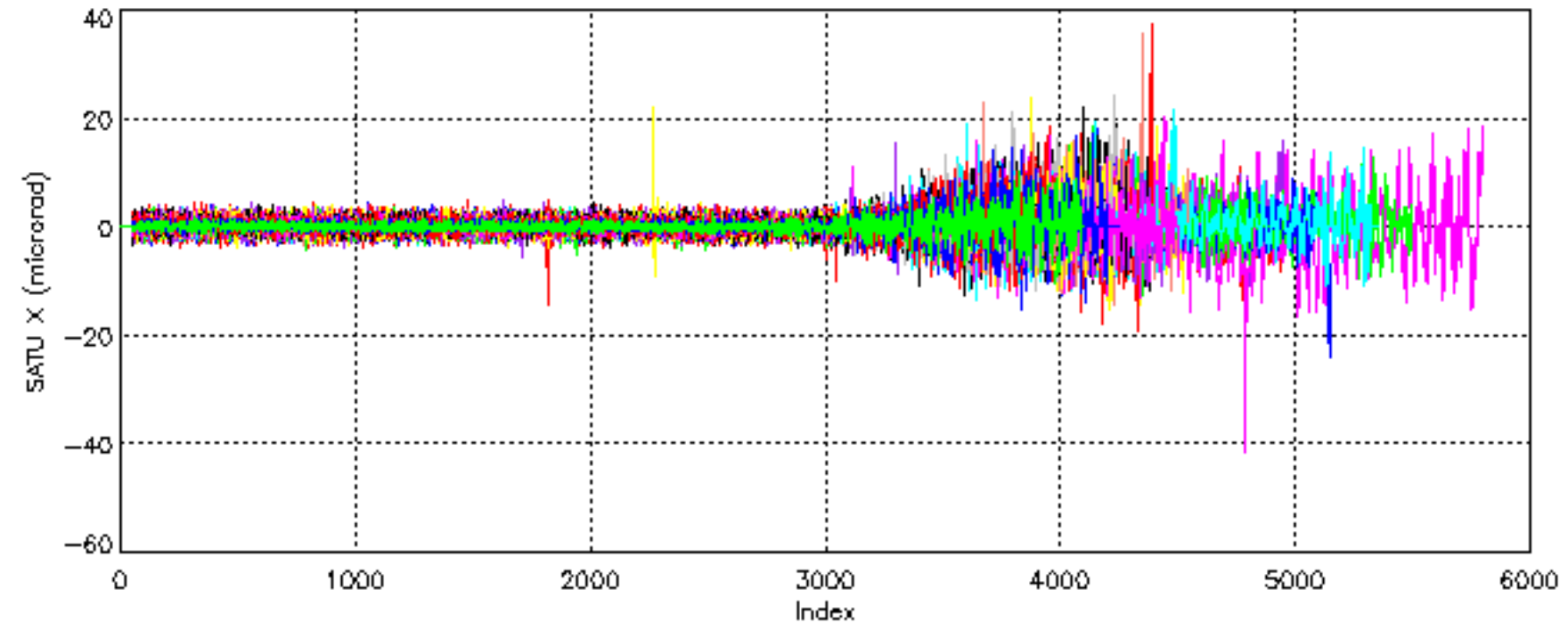
Tangent altitude at which the star is lost

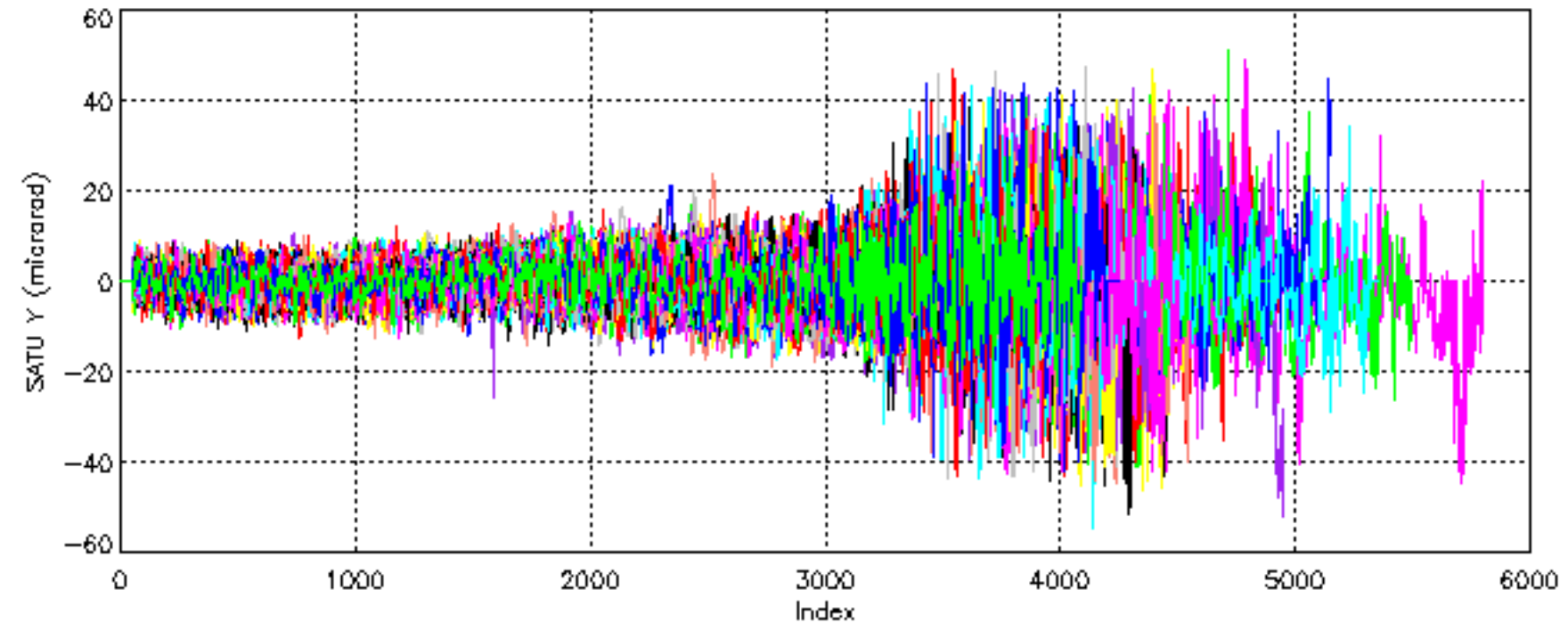


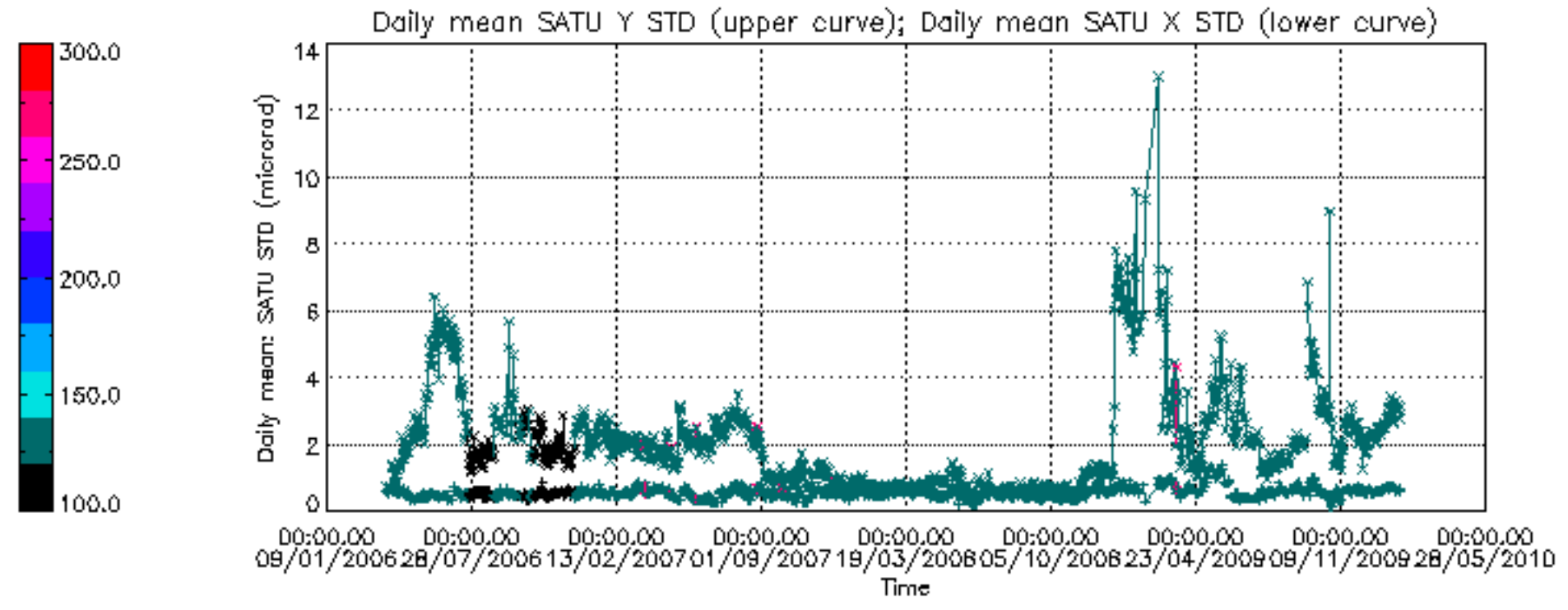
Tangent altitude at which the star is lost











/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20100101\_001436\_000059322085\_00345\_40980\_9243.N1

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

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1;	-2124.7;	01-JAN-2010	03:11:46;	Bright;	;	52.0;	32;	77Eps UMa	;	1.76;	11000;	occ;	104;	0;	40982
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
5;	-1264.5;	01-JAN-2010	03:26:06;	Bright;	;	53.5;	3;	16Alp Boo	;	-0.05;	4250;	occ;	107;	0;	40982
6;	-1145.0;	01-JAN-2010	03:28:05;	Bright;	;	35.0;	102;	24Alp Ser	;	2.60;	4250;	occ;	70;	0;	40982
7;	-841.1;	01-JAN-2010	03:33:09;	Bright;	;	45.0;	104;	27Bet Lib	;	2.61;	13100;	occ;	90;	0;	40982
8;	-681.3;	01-JAN-2010	03:35:49;	Dark	;	44.5;	122;	9Alp2Lib	;	2.75;	9700;	occ;	89;	0;	40982
9;	-267.8;	01-JAN-2010	03:42:43;	Dark	;	47.5;	54;	5The Cen	;	2.06;	4500;	occ;	95;	0;	40982
10;	-102.3;	01-JAN-2010	03:45:28;	Dark	;	38.5;	95;	Zet Cen	;	2.55;	26000;	occ;	77;	0;	40982
11;	2.3;	01-JAN-2010	03:47:13;	Dark	;	40.0;	77;	Eps Cen	;	2.30;	28000;	occ;	80;	0;	40983
12;	108.1;	01-JAN-2010	03:48:59;	Dark	;	46.0;	64;	Gam Cen	;	2.20;	10600;	occ;	92;	0;	40983



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13; 211.7; 01-JAN-2010 03:50:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40983
14; 478.3; 01-JAN-2010 03:55:09; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40983
15; 631.6; 01-JAN-2010 03:57:42; Dark ; 45.0; 71; Iot Car ; 2.25; 7700;occ; 90; 0;40983
16; 746.1; 01-JAN-2010 03:59:37; Dark ; 41.0; 46; Del Vel ; 1.95; 10600;occ; 82; 0;40983
17; 917.5; 01-JAN-2010 04:02:28; Dark ; 43.0; 34; Gam2Vel ; 1.79; 23000;occ; 86; 0;40983
18; 1049.0; 01-JAN-2010 04:04:39; Dark ; 47.0; 70; Zet Pup ; 2.25; 39000;occ; 94; 0;40983
19; 1173.4; 01-JAN-2010 04:06:44; Dark ; 48.0; 117; Pi Pup ; 2.71; 3800;occ; 96; 0;40983
20; 1341.3; 01-JAN-2010 04:09:32; Dark ; 45.0; 23; 21Eps CMa ; 1.50; 26000;occ; 90; 0;40983
21; 1433.9; 01-JAN-2010 04:11:04; Dark ; 44.0; 179; 240mi2CMa ; 3.03; 24000;occ; 88; 0;40983
22; 1581.9; 01-JAN-2010 04:13:32; Dark ; 53.0; 1; 9Alp CMa ; -1.44; 11000;occ; 106; 0;40983
23; 1731.3; 01-JAN-2010 04:16:02; Dark ; 42.5; 56; 53Kap Ori ; 2.07; 30000;occ; 85; 0;40983
24; 1881.6; 01-JAN-2010 04:18:32; Dark ; 42.0; 30; 46Eps Ori ; 1.69; 30000;occ; 84; 0;40983
25; 2032.8; 01-JAN-2010 04:21:03; Dark ; 53.0; 14; 58Alp Ori ; 0.87; 3000;occ; 106; 0;40983
26; 2228.6; 01-JAN-2010 04:24:19; Dark ; 50.0; 44; 24Gam Gem ; 1.93; 11000;occ; 100; 0;40983
27; 2326.8; 01-JAN-2010 04:25:57; Bright; 49.0; 151; 13Mu Gem ; 2.89; 3000;occ; 98; 0;40983
28; 2566.6; 01-JAN-2010 04:29:57; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;40983
29; 2692.4; 01-JAN-2010 04:32:03; Bright; 42.5; 6; 13Alp Aur ; 0.08; 3400;occ; 85; 0;40983
30; 3690.8; 01-JAN-2010 04:48:41; Bright; 15.5; 60; 7Bet UMi ; 2.08; 3950;occ; 31; 0;40983
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1; -2345.2; 01-JAN-2010 04:48:41; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;40983
2; -2125.3; 01-JAN-2010 04:52:21; Bright; 47.5; 32; 77Eps UMa ; 1.76; 11000;occ; 95; 0;40983
3; -1927.8; 01-JAN-2010 04:55:39; Bright; 44.5; 39; 85Eta UMa ; 1.85; 24000;occ; 89; 0;40983
4; -1682.9; 01-JAN-2010 04:59:44; Bright; 39.5; 180; 27Gam Boo ; 3.04; 8000;occ; 79; 0;40983
5; -1461.0; 01-JAN-2010 05:03:25; Bright; 62.0; 83; ; 2.38; 11000;occ; 124; 0;40983
6; -1264.0; 01-JAN-2010 05:06:42; Bright; 52.5; 3; 16Alp Boo ; -0.05; 4250;occ; 105; 0;40983
7; -1144.6; 01-JAN-2010 05:08:42; Bright; 38.0; 102; 24Alp Ser ; 2.60; 4250;occ; 76; 0;40983
8; -840.4; 01-JAN-2010 05:13:46; Bright; 56.0; 104; 27Bet Lib ; 2.61; 13100;occ; 112; 0;40983
9; -680.6; 01-JAN-2010 05:16:26; Dark ; 43.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 87; 0;40983
10; -267.2; 01-JAN-2010 05:23:19; Dark ; 55.0; 54; 5The Cen ; 2.06; 4500;occ; 110; 0;40983
11; -101.5; 01-JAN-2010 05:26:05; Dark ; 42.0; 95; Zet Cen ; 2.55; 26000;occ; 84; 0;40983
12; 2.9; 01-JAN-2010 05:27:49; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;40984
13; 108.8; 01-JAN-2010 05:29:35; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;40984
14; 212.6; 01-JAN-2010 05:31:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40984
15; 479.0; 01-JAN-2010 05:35:45; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40984
16; 632.1; 01-JAN-2010 05:38:19; Dark ; 43.0; 71; Iot Car ; 2.25; 7700;occ; 86; 0;40984
17; 746.5; 01-JAN-2010 05:40:13; Dark ; 46.5; 46; Del Vel ; 1.95; 10600;occ; 93; 0;40984
18; 918.0; 01-JAN-2010 05:43:04; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;40984
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28; 4898.9; 02-JAN-2010 23:03:48; Bright; 54.0; 102; 24Alp Ser ; 2.60; 4250;occ; 108; 0;41008
29; 5207.4; 02-JAN-2010 23:08:56; Bright; 46.5; 104; 27Bet Lib ; 2.61; 13100;occ; 93; 0;41008
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2; -248.6; 02-JAN-2010 23:18:36; Dark ; 47.5; 54; 5The Cen ; 2.06; 4500;occ; 95; 0;41008
3; -85.8; 02-JAN-2010 23:21:19; Dark ; 40.0; 95; Zet Cen ; 2.55; 26000;occ; 80; 0;41008
4; 129.4; 02-JAN-2010 23:24:54; Dark ; 46.0; 64; Gam Cen ; 2.20; 10600;occ; 92; 0;41009
5; 235.9; 02-JAN-2010 23:26:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41009

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6;	501.2;	02-JAN-2010	23:31:06;	Dark	;	48.5;	113;	Mu Vel	;	2.69;	5000;occ;	97;	0;41009
7;	645.6;	02-JAN-2010	23:33:30;	Dark	;	42.0;	71;	Iot Car	;	2.25;	7700;occ;	84;	0;41009
8;	759.9;	02-JAN-2010	23:35:25;	Dark	;	44.0;	46;	Del Vel	;	1.95;	10600;occ;	88;	0;41009
9;	930.5;	02-JAN-2010	23:38:15;	Dark	;	46.5;	34;	Gam2Vel	;	1.79;	23000;occ;	93;	0;41009
10;	1061.6;	02-JAN-2010	23:40:26;	Dark	;	44.5;	70;	Zet Pup	;	2.25;	39000;occ;	89;	0;41009
11;	1182.5;	02-JAN-2010	23:42:27;	Dark	;	46.0;	117;	Pi Pup	;	2.71;	3800;occ;	92;	0;41009
12;	1348.2;	02-JAN-2010	23:45:13;	Dark	;	44.5;	23;	21Eps CMA	;	1.50;	26000;occ;	89;	0;41009
13;	1439.7;	02-JAN-2010	23:46:44;	Dark	;	44.5;	179;	240mi2CMA	;	3.03;	24000;occ;	89;	0;41009
14;	1585.0;	02-JAN-2010	23:49:10;	Dark	;	38.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	76;	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
17;	2319.2;	03-JAN-2010	00:01:24;	Bright;	;	47.5;	151;	13Mu Gem	;	2.89;	3000;occ;	95;	0;41009
18;	2560.4;	03-JAN-2010	00:05:25;	Bright;	;	38.5;	107;	37The Aur	;	2.65;	11000;occ;	77;	0;41009
19;	2690.6;	03-JAN-2010	00:07:35;	Bright;	;	40.0;	6;	13Alp Aur	;	0.08;	3400;occ;	80;	0;41009
20;	3688.1;	03-JAN-2010	00:24:13;	Bright;	;	34.5;	60;	7Bet UMi	;	2.08;	3950;occ;	69;	0;41009
21;	3899.8;	03-JAN-2010	00:27:45;	Bright;	;	49.0;	32;	77Eps UMA	;	1.76;	11000;occ;	98;	0;41009
22;	4103.0;	03-JAN-2010	00:31:08;	Bright;	;	45.5;	39;	85Eta UMA	;	1.85;	24000;occ;	91;	0;41009
23;	4353.7;	03-JAN-2010	00:35:18;	Bright;	;	63.0;	180;	27Gam Boo	;	3.04;	8000;occ;	126;	0;41009
24;	4580.5;	03-JAN-2010	00:39:05;	Bright;	;	63.0;	83;		;	2.38;	11000;occ;	126;	0;41009
25;	4783.4;	03-JAN-2010	00:42:28;	Bright;	;	56.5;	3;	16Alp Boo	;	-0.05;	4250;occ;	113;	0;41009
26;	4899.3;	03-JAN-2010	00:44:24;	Bright;	;	54.0;	102;	24Alp Ser	;	2.60;	4250;occ;	108;	0;41009
27;	5207.8;	03-JAN-2010	00:49:33;	Bright;	;	36.0;	104;	27Bet Lib	;	2.61;	13100;occ;	72;	0;41009
28;	5371.0;	03-JAN-2010	00:52:16;	Dark	;	43.5;	122;	9Alp2Lib	;	2.75;	9700;occ;	87;	0;41009
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2;	-2131.5;	02-JAN-2010	06:01:14;	Bright;	;	44.0;	32;	77Eps UMA	;	1.76;	11000;occ;	88;	0;40998
3;	-1930.8;	02-JAN-2010	06:04:35;	Bright;	;	67.0;	39;	85Eta UMA	;	1.85;	24000;occ;	134;	0;40998
4;	-1682.5;	02-JAN-2010	06:08:43;	Bright;	;	63.0;	180;	27Gam Boo	;	3.04;	8000;occ;	126;	0;40998
5;	-1457.8;	02-JAN-2010	06:12:28;	Bright;	;	43.0;	83;		;	2.38;	11000;occ;	86;	0;40998
6;	-1257.3;	02-JAN-2010	06:15:48;	Bright;	;	55.0;	3;	16Alp Boo	;	-0.05;	4250;occ;	110;	0;40998
7;	-1139.7;	02-JAN-2010	06:17:46;	Bright;	;	49.0;	102;	24Alp Ser	;	2.60;	4250;occ;	98;	0;40998
8;	-833.4;	02-JAN-2010	06:22:52;	Bright;	;	56.0;	104;	27Bet Lib	;	2.61;	13100;occ;	112;	0;40998
9;	-671.7;	02-JAN-2010	06:25:34;	Dark	;	45.0;	122;	9Alp2Lib	;	2.75;	9700;occ;	90;	0;40998
10;	-256.0;	02-JAN-2010	06:32:29;	Dark	;	50.5;	54;	5The Cen	;	2.06;	4500;occ;	101;	0;40998
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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13;	121.1;	02-JAN-2010	06:38:47;	Dark	;	44.5;	64;	Gam Cen	;	2.20;	10600;occ;	89;	0;40999
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16;	640.3;	02-JAN-2010	06:47:26;	Dark	;	40.0;	71;	Iot Car	;	2.25;	7700;occ;	80;	0;40999
17;	754.7;	02-JAN-2010	06:49:20;	Dark	;	45.5;	46;	Del Vel	;	1.95;	10600;occ;	91;	0;40999
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19;	1056.9;	02-JAN-2010	06:54:22;	Dark	;	45.5;	70;	Zet Pup	;	2.25;	39000;occ;	91;	0;40999
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21;	1345.5;	02-JAN-2010	06:59:11;	Dark	;	47.5;	23;	21Eps CMA	;	1.50;	26000;occ;	95;	0;40999
22;	1437.4;	02-JAN-2010	07:00:43;	Dark	;	44.0;	179;	240mi2CMA	;	3.03;	24000;occ;	88;	0;40999
23;	1583.8;	02-JAN-2010	07:03:09;	Dark	;	50.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	100;	0;40999
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2;	1868.8;	02-JAN-2010	07:07:54;	Dark	;	41.5;	33;	50Zet Ori	;	1.77;	30000;occ;	83;	0;40999
3;	2031.9;	02-JAN-2010	07:10:37;	Dark	;	49.0;	14;	58Alp Ori	;	0.87;	3000;occ;	98;	0;40999
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
8;	3689.3;	02-JAN-2010	07:38:15;	Bright;	;	39.0;	60;	7Bet UMi	;	2.08;	3950;occ;	78;	0;40999
9;	3904.1;	02-JAN-2010	07:41:50;	Bright;	;	46.5;	32;	77Eps UMA	;	1.76;	11000;occ;	93;	0;40999
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12;	4578.2;	02-JAN-2010	07:53:04;	Bright;	;	45.5;	83;		;	2.38;	11000;occ;	91;	0;40999
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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15;	5202.8;	02-JAN-2010	08:03:28;	Bright;	;	56.0;	104;	27Bet Lib	;	2.61;	13100;occ;	112;	0;40999
16;	5365.1;	02-JAN-2010	08:06:11;	Dark	;	43.5;	122;	9Alp2Lib	;	2.75;	9700;occ;	87;	0;40999
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19;	6048.1;	02-JAN-2010	08:17:34;	Dark	;	41.5;	77;	Eps Cen	;	2.30;	28000;occ;	83;	0;40999
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 21; 3686.4; 03-JAN-2010 23:52:34; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;41023  
 22; 3893.6; 03-JAN-2010 23:56:01; Bright; 33.0; 32; 77Eps UMa ; 1.76; 11000;occ; 66; 0;41023  
 23; 3956.9; 03-JAN-2010 23:57:05; Bright; 47.5; 55; 79Zet UMa ; 2.06; 10200;occ; 95; 0;41023



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26; 2556.8; 04-JAN-2010 04:35:32; Bright; 36.5; 107; 37The Aur ; 2.65; 11000;occ; 73; 0;41026
27; 2690.4; 04-JAN-2010 04:37:46; Bright; 38.0; 42; 34Bet Aur ; 1.90; 10200;occ; 76; 0;41026
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3; -2079.6; 04-JAN-2010 04:58:52; Bright; 47.5; 55; 79Zet UMA ; 2.06; 10200;occ; 95; 0;41026
4; -1936.9; 04-JAN-2010 05:01:15; Bright; 63.0; 39; 85Eta UMA ; 1.85; 24000;occ; 126; 0;41026
5; -1681.5; 04-JAN-2010 05:05:30; Bright; 64.0; 180; 27Gam Boo ; 3.04; 8000;occ; 128; 0;41026
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7; -1130.9; 04-JAN-2010 05:14:41; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;41026
8; -819.6; 04-JAN-2010 05:19:52; Bright; 49.5; 104; 27Bet Lib ; 2.61; 13100;occ; 99; 0;41026
9; -653.6; 04-JAN-2010 05:22:38; Dark ; 45.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 91; 0;41026
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13; 516.9; 04-JAN-2010 05:42:08; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;41027
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 23; 2215.2; 04-JAN-2010 06:10:27; Dark ; 50.0; 44; 24Gam Gem ; 1.93; 11000;occ; 100; 0;41027  
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 25; 2556.8; 04-JAN-2010 06:16:08; Bright; 39.0; 107; 37The Aur ; 2.65; 11000;occ; 78; 0;41027  
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 9; 2312.4; 04-JAN-2010 21:17:27; Bright; 47.5; 151; 13Mu Gem ; 2.89; 3000;occ; 95; 0;41036  
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 11; 2688.3; 04-JAN-2010 21:23:43; Bright; 37.5; 42; 34Bet Aur ; 1.90; 10200;occ; 75; 0;41036  
 12; 3685.0; 04-JAN-2010 21:40:20; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;41036  
 13; 3952.8; 04-JAN-2010 21:44:48; Bright; 50.0; 55; 79Zet UMa ; 2.06; 10200;occ; 100; 0;41036  
 14; 4354.7; 04-JAN-2010 21:51:30; Bright; 46.0; 180; 27Gam Boo ; 3.04; 8000;occ; 92; 0;41036  
 15; 4586.6; 04-JAN-2010 21:55:21; Bright; 65.0; 83; ; 2.38; 11000;occ; 130; 0;41036  
 16; 4908.1; 04-JAN-2010 22:00:43; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;41036  
 17; 5221.4; 04-JAN-2010 22:05:56; Bright; 40.5; 104; 27Bet Lib ; 2.61; 13100;occ; 81; 0;41036

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 5; 34.0; 04-JAN-2010 22:20:05; Dark ; 39.5; 77; Eps Cen ; 2.30; 28000;occ; 79; 0;41037  
 6; 152.8; 04-JAN-2010 22:22:04; Dark ; 49.0; 64; Gam Cen ; 2.20; 10600;occ; 98; 0;41037  
 7; 262.1; 04-JAN-2010 22:23:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41037  
 8; 525.4; 04-JAN-2010 22:28:16; Dark ; 49.5; 113; Mu Vel ; 2.69; 5000;occ; 99; 0;41037  
 9; 659.9; 04-JAN-2010 22:30:31; Dark ; 49.5; 71; Iot Car ; 2.25; 7700;occ; 99; 0;41037  
 10; 774.4; 04-JAN-2010 22:32:25; Dark ; 46.0; 46; Del Vel ; 1.95; 10600;occ; 92; 0;41037  
 11; 944.0; 04-JAN-2010 22:35:15; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;41037  
 12; 1075.2; 04-JAN-2010 22:37:26; Dark ; 46.0; 70; Zet Pup ; 2.25; 39000;occ; 92; 0;41037  
 13; 1192.0; 04-JAN-2010 22:39:23; Dark ; 46.0; 117; Pi Pup ; 2.71; 3800;occ; 92; 0;41037  
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 18; 2212.7; 04-JAN-2010 22:56:23; Dark ; 49.0; 44; 24Gam Gem ; 1.93; 11000;occ; 98; 0;41037  
 19; 2312.3; 04-JAN-2010 22:58:03; Bright; 44.0; 151; 13Mu Gem ; 2.89; 3000;occ; 88; 0;41037  
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 25; 4586.8; 04-JAN-2010 23:35:58; Bright; 65.0; 83; ; 2.38; 11000;occ; 130; 0;41037  
 26; 4908.4; 04-JAN-2010 23:41:19; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;41037  
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 7; 263.0; 05-JAN-2010 00:04:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41038  
 8; 526.3; 05-JAN-2010 00:08:53; Dark ; 51.0; 113; Mu Vel ; 2.69; 5000;occ; 102; 0;41038  
 9; 660.3; 05-JAN-2010 00:11:07; Dark ; 46.5; 71; Iot Car ; 2.25; 7700;occ; 93; 0;41038  
 10; 774.8; 05-JAN-2010 00:13:01; Dark ; 42.0; 46; Del Vel ; 1.95; 10600;occ; 84; 0;41038  
 11; 944.3; 05-JAN-2010 00:15:51; Dark ; 42.5; 34; Gam2Vel ; 1.79; 23000;occ; 85; 0;41038  
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 13; 1192.2; 05-JAN-2010 00:19:59; Dark ; 44.5; 117; Pi Pup ; 2.71; 3800;occ; 89; 0;41038  
 14; 1355.7; 05-JAN-2010 00:22:42; Dark ; 43.5; 23; 21Eps CMa ; 1.50; 26000;occ; 87; 0;41038  
 15; 1445.6; 05-JAN-2010 00:24:12; Dark ; 43.5; 179; 240mi2CMa ; 3.03; 24000;occ; 87; 0;41038

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 23; 3951.8; 05-JAN-2010 01:05:58; Bright; 50.0; 55; 79Zet UMa ; 2.06; 10200;occ; 100; 0;41038  
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 7; -1130.5; 04-JAN-2010 06:55:17; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;41027  
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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

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20100104\_110147\_000059352085\_00395\_41030\_5950.N1

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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1; 1454.7; 04-JAN-2010 14:20:46; Dark ; 41.5; 179; 240mi2CMa ; 3.03; 24000;occ; 83; 20;41032  
 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  
 11; 4354.5; 04-JAN-2010 16:49:41; Bright; 56.0; 180; 27Gam Boo ; 3.04; 8000;occ; 112; 0;41033  
 12; 4585.9; 04-JAN-2010 16:53:33; Bright; 46.0; 83; ; 2.38; 11000;occ; 92; 0;41033  
 13; 4907.3; 04-JAN-2010 16:58:54; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;41033  
 14; 5219.9; 04-JAN-2010 17:04:07; Bright; 39.0; 104; 27Bet Lib ; 2.61; 13100;occ; 78; 0;41033  
 15; 5387.0; 04-JAN-2010 17:06:54; Dark ; 46.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 93; 0;41033  
 16; 5807.0; 04-JAN-2010 17:13:54; Dark ; 48.5; 54; 5The Cen ; 2.06; 4500;occ; 97; 0;41033  
 17; 5966.6; 04-JAN-2010 17:16:33; Dark ; 42.5; 95; Zet Cen ; 2.55; 26000;occ; 85; 0;41033  
 18; 6068.3; 04-JAN-2010 17:18:15; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;41033  
 19; 6186.3; 04-JAN-2010 17:20:13; Dark ; 45.0; 64; Gam Cen ; 2.20; 10600;occ; 90; 0;41033  
 20; 6295.3; 04-JAN-2010 17:22:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41033  
 21; 6559.0; 04-JAN-2010 17:26:26; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;41033  
 22; 6694.5; 04-JAN-2010 17:28:41; Dark ; 40.5; 71; Iot Car ; 2.25; 7700;occ; 81; 0;41033  
 23; 6808.9; 04-JAN-2010 17:30:36; Dark ; 48.0; 46; Del Vel ; 1.95; 10600;occ; 96; 0;41033  
 24; 6978.6; 04-JAN-2010 17:33:26; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;41033  
 25; 7109.9; 04-JAN-2010 17:35:37; Dark ; 3.5; 70; Zet Pup ; 2.25; 39000;occ; 7; 0;41033

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1; 1073.9; 04-JAN-2010 17:35:37; Dark ; 44.5; 70; Zet Pup ; 2.25; 39000;occ; 89; 0;41034  
 2; 1191.1; 04-JAN-2010 17:37:34; Dark ; 45.0; 117; Pi Pup ; 2.71; 3800;occ; 90; 0;41034  
 3; 1354.6; 04-JAN-2010 17:40:18; Dark ; 45.5; 23; 21Eps CMa ; 1.50; 26000;occ; 91; 0;41034  
 4; 1445.1; 04-JAN-2010 17:41:48; Dark ; 43.0; 179; 240mi2CMa ; 3.03; 24000;occ; 86; 0;41034  
 5; 1588.0; 04-JAN-2010 17:44:11; Dark ; 49.0; 1; 9Alp CMa ; -1.44; 11000;occ; 98; 0;41034



6; 2031.0; 04-JAN-2010 17:51:34; Dark ; 48.0; 14; 58Alp Ori ; 0.87; 3000;occ; 96; 0;41034  
7; 2213.4; 04-JAN-2010 17:54:36; Dark ; 48.5; 44; 24Gam Gem ; 1.93; 11000;occ; 97; 0;41034  
8; 2313.1; 04-JAN-2010 17:56:16; Bright; 48.5; 151; 13Mu Gem ; 2.89; 3000;occ; 97; 0;41034  
9; 2555.3; 04-JAN-2010 18:00:18; Bright; 39.5; 107; 37The Aur ; 2.65; 11000;occ; 79; 0;41034  
10; 2688.8; 04-JAN-2010 18:02:32; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;41034  
11; 3685.2; 04-JAN-2010 18:19:08; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;41034  
12; 3953.5; 04-JAN-2010 18:23:36; Bright; 49.5; 55; 79Zet UMa ; 2.06; 10200;occ; 99; 0;41034  
13; 4354.6; 04-JAN-2010 18:30:18; Bright; 43.0; 180; 27Gam Boo ; 3.04; 8000;occ; 86; 0;41034  
14; 4586.2; 04-JAN-2010 18:34:09; Bright; 44.5; 83; ; 2.38; 11000;occ; 89; 0;41034  
15; 4907.8; 04-JAN-2010 18:39:31; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;41034  
16; 5220.5; 04-JAN-2010 18:44:43; Bright; 54.5; 104; 27Bet Lib ; 2.61; 13100;occ; 109; 0;41034  
17; 5387.8; 04-JAN-2010 18:47:31; Dark ; 44.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 88; 0;41034  
18; 5807.6; 04-JAN-2010 18:54:31; Dark ; 54.0; 54; 5The Cen ; 2.06; 4500;occ; 108; 0;41034  
19; 5967.3; 04-JAN-2010 18:57:10; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;41034  
20; 6068.8; 04-JAN-2010 18:58:52; Dark ; 38.5; 77; Eps Cen ; 2.30; 28000;occ; 77; 0;41034  
21; 6187.1; 04-JAN-2010 19:00:50; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;41034  
22; 6296.2; 04-JAN-2010 19:02:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41034  
23; 6559.7; 04-JAN-2010 19:07:03; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;41034  
24; 6695.1; 04-JAN-2010 19:09:18; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;41034  
25; 6809.4; 04-JAN-2010 19:11:12; Dark ; 48.0; 46; Del Vel ; 1.95; 10600;occ; 96; 0;41034  
26; 6979.2; 04-JAN-2010 19:14:02; Dark ; 22.5; 34; Gam2Vel ; 1.79; 23000;occ; 45; 0;41034

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2; 1074.3; 04-JAN-2010 19:16:13; Dark ; 44.5; 70; Zet Pup ; 2.25; 39000;occ; 89; 0;41035  
3; 1191.5; 04-JAN-2010 19:18:10; Dark ; 46.0; 117; Pi Pup ; 2.71; 3800;occ; 92; 0;41035  
4; 1355.0; 04-JAN-2010 19:20:54; Dark ; 46.0; 23; 21Eps CMA ; 1.50; 26000;occ; 92; 0;41035  
5; 1445.2; 04-JAN-2010 19:22:24; Dark ; 42.5; 179; 24Omi2CMA ; 3.03; 24000;occ; 85; 0;41035  
6; 1588.4; 04-JAN-2010 19:24:47; Dark ; 47.5; 1; 9Alp CMA ; -1.44; 11000;occ; 95; 0;41035  
7; 2030.9; 04-JAN-2010 19:32:10; Dark ; 54.0; 14; 58Alp Ori ; 0.87; 3000;occ; 108; 0;41035  
8; 2213.2; 04-JAN-2010 19:35:12; Dark ; 50.0; 44; 24Gam Gem ; 1.93; 11000;occ; 100; 0;41035  
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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  
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21; 6707.2; 06-JAN-2010 11:23:52; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;41058  
22; 6821.3; 06-JAN-2010 11:25:47; Dark ; 43.0; 46; Del Vel ; 1.95; 10600;occ; 86; 0;41058  
23; 6990.2; 06-JAN-2010 11:28:35; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;41058  
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25; 7235.1; 06-JAN-2010 11:32:40; Dark ; 44.0; 117; Pi Pup ; 2.71; 3800;occ; 88; 0;41058  
26; 7396.9; 06-JAN-2010 11:35:22; Dark ; 44.0; 23; 21Eps CMa ; 1.50; 26000;occ; 88; 0;41058  
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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9; 3924.5; 06-JAN-2010 12:18:06; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;41059  
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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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9; 3924.5; 06-JAN-2010 13:58:42; Bright; 35.5; 119; 14Eta Dra ; 2.73; 4700;occ; 71; 0;41060  
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11; 4354.9; 06-JAN-2010 14:05:52; Bright; 44.0; 180; 27Gam Boo ; 3.04; 8000;occ; 88; 0;41060  
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13; 4916.8; 06-JAN-2010 14:15:14; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;41060  
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 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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 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  
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 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  
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 25; 7122.5; 06-JAN-2010 16:32:35; Dark ; 44.0; 70; Zet Pup ; 2.25; 39000;occ; 88; 0;41061  
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 9; 2683.6; 06-JAN-2010 16:59:12; Bright; 38.0; 42; 34Bet Aur ; 1.90; 10200;occ; 76; 0;41062  
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 12; 4089.8; 06-JAN-2010 17:22:39; Bright; 70.0; 39; 85Eta UMa ; 1.85; 24000;occ; 140; 0;41062  
 13; 4355.0; 06-JAN-2010 17:27:04; Bright; 66.0; 180; 27Gam Boo ; 3.04; 8000;occ; 132; 0;41062  
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 16; 5235.5; 06-JAN-2010 17:41:44; Dark ; 47.5; 104; 27Bet Lib ; 2.61; 13100;occ; 95; 0;41062  
 17; 5407.3; 06-JAN-2010 17:44:36; Dark ; 48.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 96; 0;41062  
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 22; 6322.5; 06-JAN-2010 17:59:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41062  
 23; 6584.1; 06-JAN-2010 18:04:13; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;41062  
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 25; 6823.4; 06-JAN-2010 18:08:12; Dark ; 43.5; 46; Del Vel ; 1.95; 10600;occ; 87; 0;41062

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22; 5986.7; 06-JAN-2010 19:34:52; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;41063
23; 6086.5; 06-JAN-2010 19:36:31; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;41063
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25; 6323.4; 06-JAN-2010 19:40:28; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41063
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26; 2549.6; 07-JAN-2010 06:21:46; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;41070
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3;	302.6;	07-JAN-2010	22:30:18;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	41080
4;	481.3;	07-JAN-2010	22:33:17;	Dark	;	37.0;	124;	The Car	;	2.76;	30000;occ;	74;	0;	41080
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11;	1365.9;	07-JAN-2010	22:48:02;	Dark	;	44.5;	23;	21Eps CMA	;	1.50;	26000;occ;	89;	0;	41080
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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
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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
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6;	303.5;	08-JAN-2010	00:10:55;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	41081
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8;	574.7;	08-JAN-2010	00:15:26;	Dark	;	40.0;	159;	Ups Car	;	2.92;	7200;occ;	80;	0;	41081
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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
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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
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22;	3424.1;	08-JAN-2010	01:02:56;	Bright;	;	33.0;	49;	1Alp UMi	;	1.99;	6300;occ;	66;	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
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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
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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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 28; 4085.9; 25-JAN-2010 22:27:15; Bright; 51.0; 130; 23Bet Dra ; 2.80; 5800;occ; 102; 0;41337  
 29; 4474.8; 25-JAN-2010 22:33:44; Bright; 42.0; 133; 40Zet Her ; 2.81; 6000;occ; 84; 0;41337  
 30; 4677.3; 25-JAN-2010 22:37:06; Bright; 41.5; 127; 27Bet Her ; 2.78; 4700;occ; 83; 0;41337  
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 33; 5177.4; 25-JAN-2010 22:45:26; Dark ; 53.5; 120; 1Del Oph ; 2.73; 3200;occ; 107; 0;41337  
 34; 5275.1; 25-JAN-2010 22:47:04; Dark ; 43.0; 86; 35Eta Oph ; 2.43; 10200;occ; 86; 0;41337

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 23; 3426.7; 25-JAN-2010 23:56:51; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;41338  
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 32; 5275.4; 26-JAN-2010 00:27:40; Dark ; 43.5; 86; 35Eta Oph ; 2.43; 10200;occ; 87; 0;41338

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 5; -1360.9; 25-JAN-2010 07:31:41; Bright; 60.0; 127; 27Bet Her ; 2.78; 4700;occ; 120; 0;41328  
 6; -1264.2; 25-JAN-2010 07:33:17; Bright; 34.5; 59; 55Alp Oph ; 2.08; 8900;occ; 69; 0;41328  
 7; -1137.2; 25-JAN-2010 07:35:24; Bright; 34.0; 126; 60Bet Oph ; 2.77; 4250;occ; 68; 0;41328  
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 13; 143.9; 25-JAN-2010 07:56:45; Dark ; 43.5; 4; Alp1Cen ;-0.01; 5800;occ; 87; 0;41329  
 14; 236.6; 25-JAN-2010 07:58:18; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;41329  
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 16; 531.4; 25-JAN-2010 08:03:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41329  
 17; 675.7; 25-JAN-2010 08:05:37; Dark ; 39.5; 159; Ups Car ; 2.92; 7200;occ; 79; 0;41329  
 18; 1180.5; 25-JAN-2010 08:14:02; Dark ; 39.0; 70; Zet Pup ; 2.25; 39000;occ; 78; 0;41329  
 19; 1499.9; 25-JAN-2010 08:19:21; Dark ; 39.0; 179; 240mi2CMa ; 3.03; 24000;occ; 78; 0;41329

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 3; 2295.5; 25-JAN-2010 08:32:37; Bright; 52.0; 151; 13Mu Gem ; 2.89; 3000;occ; 104; 0;41329



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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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9; 3910.3; 25-JAN-2010 08:59:32; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;41329  
10; 4085.8; 25-JAN-2010 09:02:27; Bright; 36.5; 130; 23Bet Dra ; 2.80; 5800;occ; 73; 0;41329  
11; 4473.7; 25-JAN-2010 09:08:55; Bright; 58.0; 133; 40Zet Her ; 2.81; 6000;occ; 116; 0;41329  
12; 4675.2; 25-JAN-2010 09:12:17; Bright; 60.0; 127; 27Bet Her ; 2.78; 4700;occ; 120; 0;41329  
13; 4772.1; 25-JAN-2010 09:13:53; Bright; 53.0; 59; 55Alp Oph ; 2.08; 8900;occ; 106; 0;41329  
14; 4898.9; 25-JAN-2010 09:16:00; Bright; 33.5; 126; 60Bet Oph ; 2.77; 4250;occ; 67; 0;41329  
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17; 5597.6; 25-JAN-2010 09:27:39; Dark ; 42.0; 75; 26Eps Sco ; 2.29; 4250;occ; 84; 0;41329  
18; 5848.8; 25-JAN-2010 09:31:50; Dark ; 41.5; 131; Gam Lup ; 2.80; 26000;occ; 83; 0;41329  
19; 6059.8; 25-JAN-2010 09:35:21; Dark ; 43.5; 78; Alp Lup ; 2.30; 28000;occ; 87; 0;41329  
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22; 6454.6; 25-JAN-2010 09:41:56; Dark ; 42.0; 12; Alp1Cru ; 0.77; 30000;occ; 84; 0;41329  
23; 6568.2; 25-JAN-2010 09:43:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41329  
24; 6711.9; 25-JAN-2010 09:46:13; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41329  
25; 7216.6; 25-JAN-2010 09:54:38; Dark ; 41.5; 70; Zet Pup ; 2.25; 39000;occ; 83; 0;41329  
26; 7430.0; 25-JAN-2010 09:58:11; Dark ; 40.5; 88; 31Eta CMa ; 2.45; 20000;occ; 81; 0;41329  
27; 7536.3; 25-JAN-2010 09:59:58; Dark ; 36.5; 179; 240mi2CMa ; 3.03; 24000;occ; 73; 0;41329

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9; 4473.7; 25-JAN-2010 10:49:31; Bright; 58.0; 133; 40Zet Her ; 2.81; 6000;occ; 116; 0;41330  
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13; 5272.5; 25-JAN-2010 11:02:50; Dark ; 54.0; 86; 35Eta Oph ; 2.43; 10200;occ; 108; 0;41330  
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22; 6569.0; 25-JAN-2010 11:24:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41330  
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26; 7430.2; 25-JAN-2010 11:38:47; Dark ; 41.5; 88; 31Eta CMa ; 2.45; 20000;occ; 83; 0;41330  
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25; 6935.1; 25-JAN-2010 13:11:08; Dark ; 45.5; 46; Del Vel ; 1.95; 10600;occ; 91; 0;41331
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27; 7217.0; 25-JAN-2010 13:15:50; Dark ; 42.0; 70; Zet Pup ; 2.25; 39000;occ; 84; 0;41331
28; 7305.6; 25-JAN-2010 13:17:19; Dark ; 41.0; 117; Pi Pup ; 2.71; 3800;occ; 82; 0;41331
29; 7430.4; 25-JAN-2010 13:19:24; Dark ; 41.0; 88; 31Eta CMA ; 2.45; 20000;occ; 82; 0;41331
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5; 2412.7; 25-JAN-2010 13:36:22; Bright; 42.5; 17; 78Bet Gem ; 1.16; 4500;occ; 85; 0;41332
6; 2677.8; 25-JAN-2010 13:40:47; Bright; 38.0; 42; 34Bet Aur ; 1.90; 10200;occ; 76; 0;41332
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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  
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19; 6084.3; 27-JAN-2010 13:34:19; Dark ; 42.5; 78; Alp Lup ; 2.30; 28000;occ; 85; 0;41360  
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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  
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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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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  
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 17; 5611.7; 27-JAN-2010 15:07:02; Dark ; 45.0; 75; 26Eps Sco ; 2.29; 4250;occ; 90; 0;41361  
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 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  
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 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  
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 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  
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 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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 2; 1189.4; 27-JAN-2010 17:14:32; Dark ; 41.5; 70; Zet Pup ; 2.25; 39000;occ; 83; 0;41363  
 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  
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 12; 4478.5; 27-JAN-2010 18:09:21; Bright; 41.5; 133; 40Zet Her ; 2.81; 6000;occ; 83; 0;41363  
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 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



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 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  
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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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 4; 1993.2; 27-JAN-2010 19:08:32; Dark ; 47.5; 8; 10Alp CMI ; 0.40; 6500;occ; 95; 0;41364  
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 6; 2404.8; 27-JAN-2010 19:15:24; Bright; 42.5; 17; 78Bet Gem ; 1.16; 4500;occ; 85; 0;41364  
 7; 3426.9; 27-JAN-2010 19:32:26; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;41364  
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 9; 3905.9; 27-JAN-2010 19:40:25; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;41364  
 10; 4086.8; 27-JAN-2010 19:43:25; Bright; 54.0; 130; 23Bet Dra ; 2.80; 5800;occ; 108; 0;41364  
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 15; 5286.3; 27-JAN-2010 20:03:25; Dark ; 43.5; 86; 35Eta Oph ; 2.43; 10200;occ; 87; 0;41364  
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 19; 6000.2; 27-JAN-2010 20:15:19; Dark ; 43.5; 109; Bet Lup ; 2.68; 26000;occ; 87; 0;41364  
 20; 6087.6; 27-JAN-2010 20:16:46; Dark ; 44.5; 78; Alp Lup ; 2.30; 28000;occ; 89; 0;41364  
 21; 6198.8; 27-JAN-2010 20:18:38; Dark ; 40.5; 4; Alp1Cen ; -0.01; 5800;occ; 81; 0;41364  
 22; 6300.0; 27-JAN-2010 20:20:19; Dark ; 42.0; 77; Eps Cen ; 2.30; 28000;occ; 84; 0;41364  
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 24; 6598.3; 27-JAN-2010 20:25:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41364  
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 3; -421.5; 28-JAN-2010 01:10:41; Dark ; 42.5; 75; 26Eps Sco ; 2.29; 4250;occ; 85; 0;41367  
 4; -160.4; 28-JAN-2010 01:15:02; Dark ; 42.0; 131; Gam Lup ; 2.80; 26000;occ; 84; 0;41367  
 5; -33.1; 28-JAN-2010 01:17:09; Dark ; 43.0; 109; Bet Lup ; 2.68; 26000;occ; 86; 0;41367  
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 7; 164.3; 28-JAN-2010 01:20:27; Dark ; 48.0; 4; Alp1Cen ; -0.01; 5800;occ; 96; 0;41368  
 8; 266.5; 28-JAN-2010 01:22:09; Dark ; 43.5; 77; Eps Cen ; 2.30; 28000;occ; 87; 0;41368  
 9; 439.6; 28-JAN-2010 01:25:02; Dark ; 42.5; 12; Alp1Cru ; 0.77; 30000;occ; 85; 0;41368  
 10; 564.9; 28-JAN-2010 01:27:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41368  
 11; 689.3; 28-JAN-2010 01:29:12; Dark ; 47.5; 159; Ups Car ; 2.92; 7200;occ; 95; 0;41368  
 12; 804.1; 28-JAN-2010 01:31:06; Dark ; 48.0; 71; Iot Car ; 2.25; 7700;occ; 96; 0;41368  
 13; 910.8; 28-JAN-2010 01:32:53; Dark ; 41.5; 46; Del Vel ; 1.95; 10600;occ; 83; 0;41368  
 14; 1065.0; 28-JAN-2010 01:35:27; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;41368  
 15; 1191.1; 28-JAN-2010 01:37:33; Dark ; 41.5; 70; Zet Pup ; 2.25; 39000;occ; 83; 0;41368  
 16; 1401.7; 28-JAN-2010 01:41:04; Dark ; 39.0; 88; 31Eta CMa ; 2.45; 20000;occ; 78; 0;41368  
 17; 1993.2; 28-JAN-2010 01:50:55; Dark ; 48.0; 8; 10Alp CMI ; 0.40; 6500;occ; 96; 0;41368  
 18; 2191.9; 28-JAN-2010 01:54:14; Bright; 41.0; 44; 24Gam Gem ; 1.93; 11000;occ; 82; 0;41368  
 19; 2336.7; 28-JAN-2010 01:56:39; Bright; 39.5; 170; 27Eps Gem ; 3.00; 9700;occ; 79; 0;41368  
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22; 1192.1; 28-JAN-2010 08:19:58; Dark ; 42.0; 70; Zet Pup ; 2.25; 39000;occ; 84; 0;41372  
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4; 2463.7; 28-JAN-2010 08:41:10; Bright; 39.5; 24; 66Alp Gem ; 1.58; 10200;occ; 79; 0;41372  
5; 3427.4; 28-JAN-2010 08:57:13; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;41372  
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7; 3904.9; 28-JAN-2010 09:05:11; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;41372  
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12; 4910.1; 28-JAN-2010 09:21:56; Bright; 53.0; 126; 60Bet Oph ; 2.77; 4250;occ; 106; 0;41372  
13; 5201.5; 28-JAN-2010 09:26:48; Dark ; 34.0; 120; 1Del Oph ; 2.73; 3200;occ; 68; 0;41372  
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22; 6604.9; 28-JAN-2010 09:50:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41372  
23; 6727.2; 28-JAN-2010 09:52:13; Dark ; 39.0; 159; Ups Car ; 2.92; 7200;occ; 78; 0;41372  
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25; 6948.3; 28-JAN-2010 09:55:54; Dark ; 43.0; 46; Del Vel ; 1.95; 10600;occ; 86; 0;41372  
26; 7102.3; 28-JAN-2010 09:58:28; Dark ; 41.5; 34; Gam2Vel ; 1.79; 23000;occ; 83; 0;41372  
27; 7228.1; 28-JAN-2010 10:00:34; Dark ; 38.5; 70; Zet Pup ; 2.25; 39000;occ; 77; 0;41372  
28; 7438.4; 28-JAN-2010 10:04:04; Dark ; 36.5; 88; 31Eta CMa ; 2.45; 20000;occ; 73; 0;41372

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3; 2337.0; 28-JAN-2010 10:19:39; Bright; 39.0; 170; 27Eps Gem ; 3.00; 9700;occ; 78; 0;41373  
4; 2463.4; 28-JAN-2010 10:21:45; Bright; 40.0; 24; 66Alp Gem ; 1.58; 10200;occ; 80; 0;41373  
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8; 4086.8; 28-JAN-2010 10:48:49; Bright; 36.0; 130; 23Bet Dra ; 2.80; 5800;occ; 72; 0;41373  
9; 4479.9; 28-JAN-2010 10:55:22; Bright; 60.0; 133; 40Zet Her ; 2.81; 6000;occ; 120; 0;41373  
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11; 4783.3; 28-JAN-2010 11:00:25; Bright; 54.0; 59; 55Alp Oph ; 2.08; 8900;occ; 108; 0;41373  
12; 4910.2; 28-JAN-2010 11:02:32; Bright; 53.0; 126; 60Bet Oph ; 2.77; 4250;occ; 106; 0;41373  
13; 5202.1; 28-JAN-2010 11:07:24; Dark ; 34.0; 120; 1Del Oph ; 2.73; 3200;occ; 68; 0;41373  
14; 5290.0; 28-JAN-2010 11:08:52; Dark ; 44.0; 86; 35Eta Oph ; 2.43; 10200;occ; 88; 0;41373  
15; 5538.8; 28-JAN-2010 11:13:01; Dark ; 58.0; 16; 21Alp Sco ; 1.02; 3000;occ; 116; 0;41373

16; 5880.2; 28-JAN-2010 11:18:42; Dark ; 42.0; 131; Gam Lup ; 2.80; 26000;occ; 84; 0;41373  
 17; 6008.0; 28-JAN-2010 11:20:50; Dark ; 44.5; 109; Bet Lup ; 2.68; 26000;occ; 89; 0;41373  
 18; 6094.8; 28-JAN-2010 11:22:17; Dark ; 43.5; 78; Alp Lup ; 2.30; 28000;occ; 87; 0;41373  
 19; 6203.2; 28-JAN-2010 11:24:05; Dark ; 42.5; 4; Alp1Cen ; -0.01; 5800;occ; 85; 0;41373  
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 22; 6605.8; 28-JAN-2010 11:30:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41373  
 23; 6727.1; 28-JAN-2010 11:32:49; Dark ; 39.5; 159; Ups Car ; 2.92; 7200;occ; 79; 0;41373  
 24; 6842.0; 28-JAN-2010 11:34:44; Dark ; 45.0; 71; Iot Car ; 2.25; 7700;occ; 90; 0;41373  
 25; 6948.6; 28-JAN-2010 11:36:31; Dark ; 41.5; 46; Del Vel ; 1.95; 10600;occ; 83; 0;41373  
 26; 7102.5; 28-JAN-2010 11:39:04; Dark ; 42.5; 34; Gam2Vel ; 1.79; 23000;occ; 85; 0;41373  
 27; 7228.7; 28-JAN-2010 11:41:11; Dark ; 42.0; 70; Zet Pup ; 2.25; 39000;occ; 84; 0;41373  
 28; 7438.4; 28-JAN-2010 11:44:40; Dark ; 41.0; 88; 31Eta CMa ; 2.45; 20000;occ; 82; 0;41373

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 3; 2337.0; 28-JAN-2010 12:00:15; Bright; 38.0; 170; 27Eps Gem ; 3.00; 9700;occ; 76; 0;41374  
 4; 2463.1; 28-JAN-2010 12:02:21; Bright; 39.5; 24; 66Alp Gem ; 1.58; 10200;occ; 79; 0;41374  
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 6; 3625.7; 28-JAN-2010 12:21:44; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;41374  
 7; 3904.7; 28-JAN-2010 12:26:23; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;41374  
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 9; 4297.3; 28-JAN-2010 12:32:55; Bright; 33.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 66; 0;41374  
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 12; 4783.3; 28-JAN-2010 12:41:01; Bright; 54.0; 59; 55Alp Oph ; 2.08; 8900;occ; 108; 0;41374  
 13; 4910.7; 28-JAN-2010 12:43:09; Bright; 36.5; 126; 60Bet Oph ; 2.77; 4250;occ; 73; 0;41374  
 14; 5290.4; 28-JAN-2010 12:49:28; Dark ; 43.5; 86; 35Eta Oph ; 2.43; 10200;occ; 87; 0;41374  
 15; 5539.4; 28-JAN-2010 12:53:37; Dark ; 58.0; 16; 21Alp Sco ; 1.02; 3000;occ; 116; 0;41374  
 16; 5880.8; 28-JAN-2010 12:59:19; Dark ; 42.0; 131; Gam Lup ; 2.80; 26000;occ; 84; 0;41374  
 17; 6008.8; 28-JAN-2010 13:01:27; Dark ; 44.0; 109; Bet Lup ; 2.68; 26000;occ; 88; 0;41374  
 18; 6095.7; 28-JAN-2010 13:02:54; Dark ; 43.5; 78; Alp Lup ; 2.30; 28000;occ; 87; 0;41374  
 19; 6203.7; 28-JAN-2010 13:04:42; Dark ; 40.5; 4; Alp1Cen ; -0.01; 5800;occ; 81; 0;41374  
 20; 6308.1; 28-JAN-2010 13:06:26; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;41374  
 21; 6479.2; 28-JAN-2010 13:09:17; Dark ; 43.5; 12; Alp1Cru ; 0.77; 30000;occ; 87; 0;41374  
 22; 6606.6; 28-JAN-2010 13:11:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41374  
 23; 6727.7; 28-JAN-2010 13:13:26; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41374  
 24; 6842.7; 28-JAN-2010 13:15:21; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;41374  
 25; 6949.1; 28-JAN-2010 13:17:07; Dark ; 39.0; 46; Del Vel ; 1.95; 10600;occ; 78; 0;41374  
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 19; 6096.7; 28-JAN-2010 14:43:30; Dark ; 43.5; 78; Alp Lup ; 2.30; 28000;occ; 87; 0;41375  
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13; 4784.2; 28-JAN-2010 16:02:14; Bright; 45.0; 59; 55Alp Oph ; 2.08; 8900;occ; 90; 0;41376
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16; 5540.9; 28-JAN-2010 16:14:51; Dark ; 54.5; 16; 21Alp Sco ; 1.02; 3000;occ; 109; 0;41376
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18; 6010.9; 28-JAN-2010 16:22:41; Dark ; 44.0; 109; Bet Lup ; 2.68; 26000;occ; 88; 0;41376
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 41; 7500.9; 31-JAN-2010 03:28:28; Dark ; 42.5; 132; 15Rho Pup ; 2.80; 6900;occ; 85; 0;41411  
 42; 8028.6; 31-JAN-2010 03:37:16; Dark ; 46.5; 8; 10Alp CMi ; 0.40; 6500;occ; 93; 0;41411  
 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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 18; 582.4; 31-JAN-2010 04:54:21; Dark ; 45.0; 99; Del Cen ; 2.58; 26000;occ; 90; 0;41413  
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 27; 2457.3; 31-JAN-2010 05:25:36; Bright; 39.0; 24; 66Alp Gem ; 1.58; 10200;occ; 78; 0;41413  
 28; 3427.7; 31-JAN-2010 05:41:46; Bright; 38.0; 49; 1Alp UMi ; 1.99; 6300;occ; 76; 0;41413  
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 12; 99.2; 31-JAN-2010 06:26:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41414  
 13; 188.8; 31-JAN-2010 06:28:24; Dark ; 45.0; 4; Alp1Cen ; -0.01; 5800;occ; 90; 0;41414  
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 17; 704.9; 31-JAN-2010 06:37:00; Dark ; 40.0; 159; Ups Car ; 2.92; 7200;occ; 80; 0;41414  
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 19; 925.5; 31-JAN-2010 06:40:40; Dark ; 42.5; 46; Del Vel ; 1.95; 10600;occ; 85; 0;41414  
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 25; 2457.4; 31-JAN-2010 07:06:12; Bright; 38.5; 24; 66Alp Gem ; 1.58; 10200;occ; 77; 0;41414  
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 5; 1467.0; 31-JAN-2010 20:14:29; Dark ; 42.0; 132; 15Rho Pup ; 2.80; 6900;occ; 84; 0;41422  
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 9; 3428.3; 31-JAN-2010 20:47:10; Bright; 31.5; 49; 1Alp UMi ; 1.99; 6300;occ; 63; 0;41422  
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14; 1467.0; 31-JAN-2010 23:35:41; Dark ; 41.5; 132; 15Rho Pup ; 2.80; 6900;occ; 83; 0;41424
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17; 700.5; 30-JAN-2010 07:08:32; Dark ; 39.5; 159; Ups Car ; 2.92; 7200;occ; 79; 0;41400  
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19; 921.4; 30-JAN-2010 07:12:13; Dark ; 44.5; 46; Del Vel ; 1.95; 10600;occ; 89; 0;41400  
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4; 2459.2; 30-JAN-2010 07:37:51; Bright; 39.0; 24; 66Alp Gem ; 1.58; 10200;occ; 78; 0;41400  
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6; 3619.8; 30-JAN-2010 07:57:12; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;41400  
7; 3900.4; 30-JAN-2010 08:01:52; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;41400  
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13; 5302.4; 30-JAN-2010 08:25:14; Dark ; 43.5; 86; 35Eta Oph ; 2.43; 10200;occ; 87; 0;41400  
14; 5556.2; 30-JAN-2010 08:29:28; Dark ; 48.5; 16; 21Alp Sco ; 1.02; 3000;occ; 97; 0;41400  
15; 5901.0; 30-JAN-2010 08:35:13; Dark ; 42.5; 131; Gam Lup ; 2.80; 26000;occ; 85; 0;41400  
16; 6126.1; 30-JAN-2010 08:38:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41400  
17; 6217.9; 30-JAN-2010 08:40:30; Dark ; 41.5; 4; Alp1Cen ; -0.01; 5800;occ; 83; 0;41400  
18; 6328.4; 30-JAN-2010 08:42:20; Dark ; 42.0; 77; Eps Cen ; 2.30; 28000;occ; 84; 0;41400  
19; 6493.4; 30-JAN-2010 08:45:05; Dark ; 42.0; 12; Alp1Cru ; 0.77; 30000;occ; 84; 0;41400  
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21; 6736.6; 30-JAN-2010 08:49:08; Dark ; 38.5; 159; Ups Car ; 2.92; 7200;occ; 77; 0;41400  
22; 6851.8; 30-JAN-2010 08:51:04; Dark ; 44.5; 71; Iot Car ; 2.25; 7700;occ; 89; 0;41400  
23; 6957.5; 30-JAN-2010 08:52:49; Dark ; 43.5; 46; Del Vel ; 1.95; 10600;occ; 87; 0;41400  
24; 7109.9; 30-JAN-2010 08:55:22; Dark ; 41.0; 34; Gam2Vel ; 1.79; 23000;occ; 82; 0;41400  
25; 7235.2; 30-JAN-2010 08:57:27; Dark ; 42.0; 70; Zet Pup ; 2.25; 39000;occ; 84; 0;41400  
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4; 2459.1; 30-JAN-2010 09:18:27; Bright; 40.0; 24; 66Alp Gem ; 1.58; 10200;occ; 80; 0;41401  
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8; 4087.2; 30-JAN-2010 09:45:35; Bright; 36.5; 130; 23Bet Dra ; 2.80; 5800;occ; 73; 0;41401  
9; 4301.3; 30-JAN-2010 09:49:09; Bright; 37.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 74; 0;41401  
10; 4484.0; 30-JAN-2010 09:52:12; Bright; 61.0; 133; 40Zet Her ; 2.81; 6000;occ; 122; 0;41401  
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12; 4918.4; 30-JAN-2010 09:59:26; Bright; 53.0; 126; 60Bet Oph ; 2.77; 4250;occ; 106; 0;41401  
13; 5302.8; 30-JAN-2010 10:05:51; Dark ; 43.5; 86; 35Eta Oph ; 2.43; 10200;occ; 87; 0;41401  
14; 5556.7; 30-JAN-2010 10:10:04; Dark ; 59.0; 16; 21Alp Sco ; 1.02; 3000;occ; 118; 0;41401  
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16; 6126.8; 30-JAN-2010 10:19:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41401  
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19; 6493.9; 30-JAN-2010 10:25:42; Dark ; 42.0; 12; Alp1Cru ; 0.77; 30000;occ; 84; 0;41401  
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21; 6737.1; 30-JAN-2010 10:29:45; Dark ; 39.5; 159; Ups Car ; 2.92; 7200;occ; 79; 0;41401  
22; 6852.1; 30-JAN-2010 10:31:40; Dark ; 37.5; 71; Iot Car ; 2.25; 7700;occ; 75; 0;41401



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24; 7110.4; 30-JAN-2010 10:35:58; Dark ; 42.5; 34; Gam2Vel ; 1.79; 23000;occ; 85; 0;41401
25; 7235.3; 30-JAN-2010 10:38:03; Dark ; 41.5; 70; Zet Pup ; 2.25; 39000;occ; 83; 0;41401
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 3; 2459.0; 30-JAN-2010 10:59:03; Bright; 39.5; 24; 66Alp Gem ; 1.58; 10200;occ; 79; 0;41402
 4; 3427.7; 30-JAN-2010 11:15:11; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;41402
 5; 3619.3; 30-JAN-2010 11:18:23; Bright; 45.5; 60; 7Bet UMi ; 2.08; 3950;occ; 91; 0;41402
 6; 3900.4; 30-JAN-2010 11:23:04; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;41402
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 8; 4301.8; 30-JAN-2010 11:29:45; Bright; 33.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 66; 0;41402
 9; 4484.1; 30-JAN-2010 11:32:48; Bright; 40.0; 133; 40Zet Her ; 2.81; 6000;occ; 80; 0;41402
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11; 4918.8; 30-JAN-2010 11:40:02; Bright; 35.5; 126; 60Bet Oph ; 2.77; 4250;occ; 71; 0;41402
12; 5303.2; 30-JAN-2010 11:46:27; Dark ; 42.5; 86; 35Eta Oph ; 2.43; 10200;occ; 85; 0;41402
13; 5557.2; 30-JAN-2010 11:50:41; Dark ; 45.5; 16; 21Alp Sco ; 1.02; 3000;occ; 109; 0;41402
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16; 6033.5; 30-JAN-2010 11:58:37; Dark ; 44.5; 109; Bet Lup ; 2.68; 26000;occ; 89; 0;41402
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22; 6737.2; 30-JAN-2010 12:10:21; Dark ; 38.5; 159; Ups Car ; 2.92; 7200;occ; 77; 0;41402
23; 6852.2; 30-JAN-2010 12:12:16; Dark ; 38.5; 71; Iot Car ; 2.25; 7700;occ; 77; 0;41402
24; 6957.8; 30-JAN-2010 12:14:01; Dark ; 45.5; 46; Del Vel ; 1.95; 10600;occ; 91; 0;41402
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26; 7235.8; 30-JAN-2010 12:18:39; Dark ; 39.5; 70; Zet Pup ; 2.25; 39000;occ; 79; 0;41402
27; 7444.2; 30-JAN-2010 12:22:08; Dark ; 39.0; 88; 31Eta CMa ; 2.45; 20000;occ; 78; 0;41402
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 6; 3619.1; 30-JAN-2010 12:58:59; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;41403
 7; 3900.3; 30-JAN-2010 13:03:40; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;41403
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22; 6610.8; 30-JAN-2010 13:48:50; Dark ; 44.5; 99; Del Cen ; 2.58; 26000;occ; 89; 0;41403
23; 6737.8; 30-JAN-2010 13:50:57; Dark ; 41.0; 159; Ups Car ; 2.92; 7200;occ; 82; 0;41403
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27; 7236.1; 30-JAN-2010 13:59:16; Dark ; 41.5; 70; Zet Pup ; 2.25; 39000;occ; 83; 0;41403
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22; 6611.7; 30-JAN-2010 15:29:27; Dark ; 45.0; 99; Del Cen ; 2.58; 26000;occ; 90; 0;41404  
23; 6738.2; 30-JAN-2010 15:31:34; Dark ; 39.5; 159; Ups Car ; 2.92; 7200;occ; 79; 0;41404  
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25; 6958.5; 30-JAN-2010 15:35:14; Dark ; 42.5; 46; Del Vel ; 1.95; 10600;occ; 85; 0;41404  
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