

GOMOS Daily Report 29-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 04:58:45
Data source version	GOMOS/5.00L04
Start time of products	29JAN2010 00:02:36
Stop time of products	29JAN2010 23:55:49
Store outputs in DB	Yes
Nb of level 1b prods	135
Nb of prods with errors	2

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

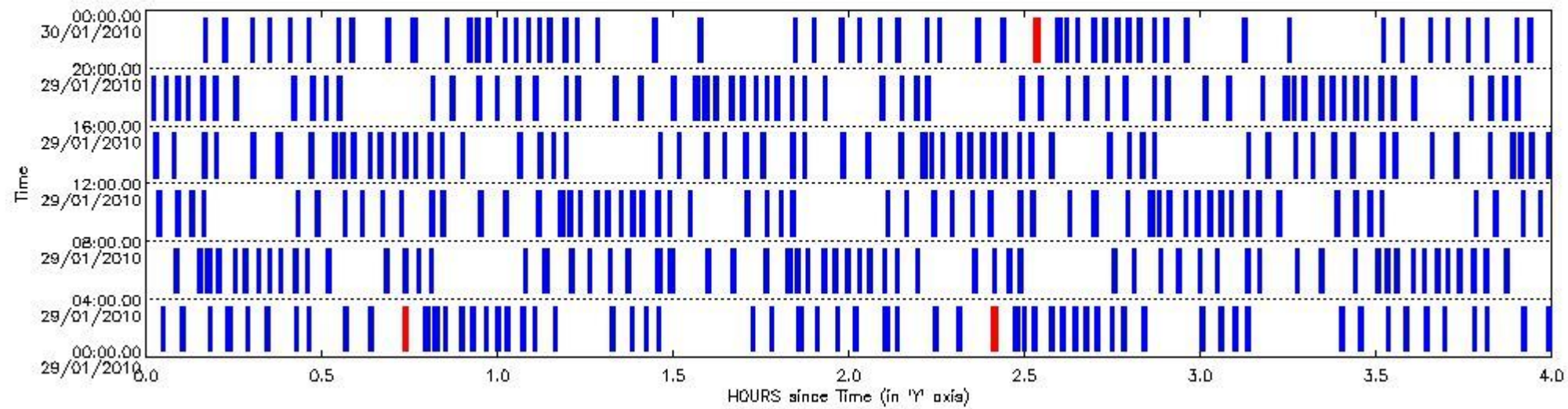
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
29-JAN-2010 00:43:41	GamLup	131	41381
29-JAN-2010 02:24:18	GamLup	131	41382
29-JAN-2010 22:31:38	GamLup	131	41394

2.4 Summary of processed GOM_TRA_1P products

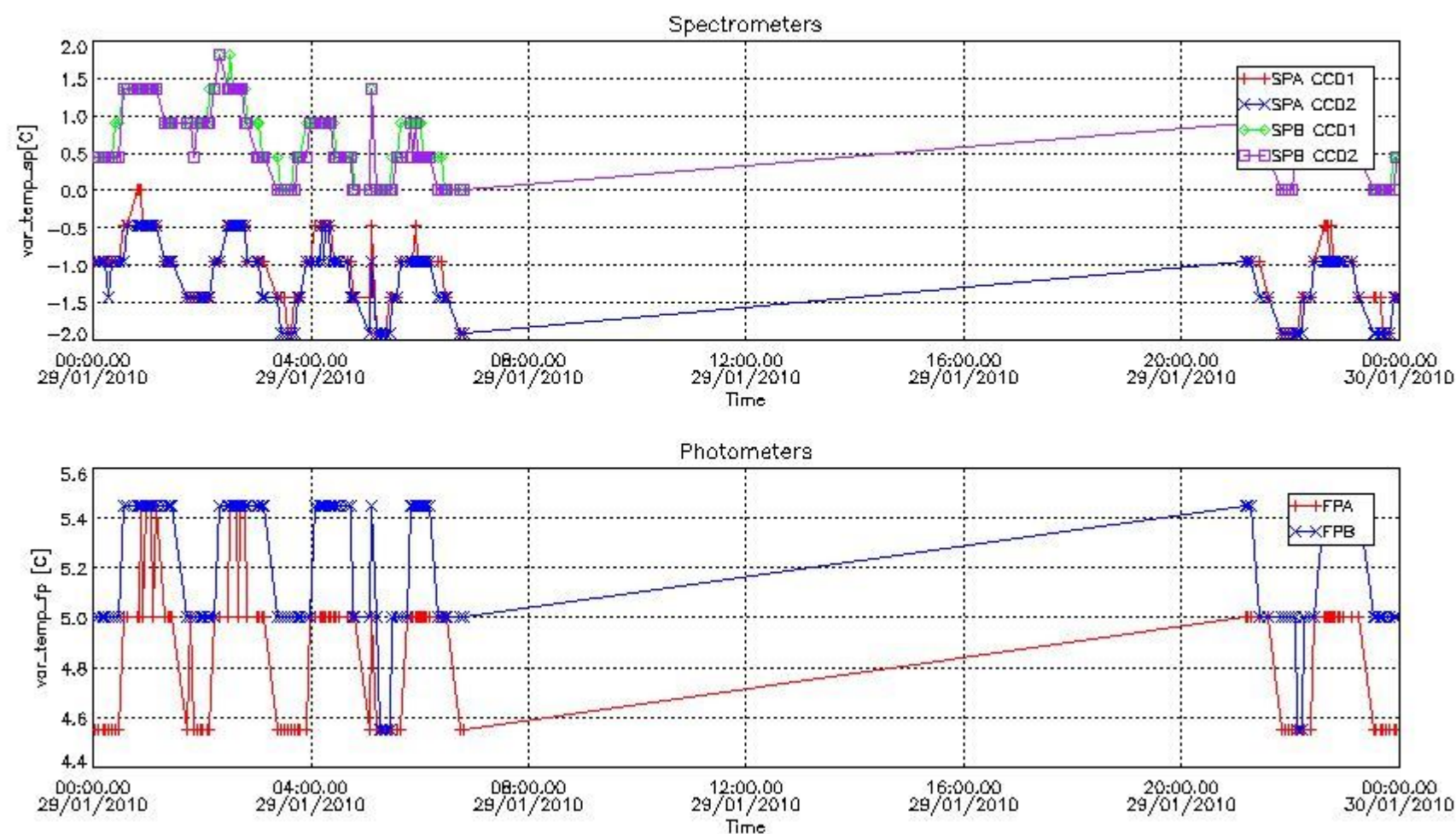
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100129_000236_000000342086_00245_41381_7377.N1	29-JAN-2010 00:02:36	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	41381	No
2	GOM_TRA_1PNPDE20100129_000553_000000372086_00245_41381_7378.N1	29-JAN-2010 00:05:53	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	41381	No
3	GOM_TRA_1PNPDE20100129_001033_000000402086_00245_41381_7379.N1	29-JAN-2010 00:10:33	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	41381	No
4	GOM_TRA_1PNPDE20100129_001336_000000542086_00245_41381_7380.N1	29-JAN-2010 00:13:36	Bright	54.000	130	23Bet Dra	2.7990	5800.0	108	41381	No
5	GOM_TRA_1PNPDE20100129_001708_000000352086_00245_41381_7381.N1	29-JAN-2010 00:17:08	Bright	34.500	5	3Alp Lyr	0.033000	11000.	69	41381	No
6	GOM_TRA_1PNPDE20100129_002010_000000492086_00245_41381_7382.N1	29-JAN-2010 00:20:10	Bright	48.500	133	40Zet Her	2.8070	6000.0	97	41381	No
7	GOM_TRA_1PNPDE20100129_002514_000000372086_00245_41381_7383.N1	29-JAN-2010 00:25:14	Bright	36.500	59	55Alp Oph	2.0800	8900.0	73	41381	No
8	GOM_TRA_1PNPDE20100129_002722_000000422086_00245_41381_7384.N1	29-JAN-2010 00:27:22	Bright	41.500	126	60Bet Oph	2.7700	4250.0	83	41381	No

9	GOM_TRA_1PNPDE20100129_003343_000000442086_00245_41381_7382.N1	29-JAN-2010 00:33:43	Tw_i_and_stray	43.500	86	35Eta Oph	2.4300	10200.	87	41381	Yes
10	GOM_TRA_1PNPDE20100129_003753_000000492086_00245_41381_7383.N1	29-JAN-2010 00:37:53	Dark	49.000	16	21Alp Sco	1.0200	3000.0	98	41381	No
11	GOM_TRA_1PNPDE20100129_004857_000000552086_00246_41382_7384.N1	29-JAN-2010 00:48:57	Dark	55.000	4	Alp1Cen	-0.010000	5800.0	110	41382	No
12	GOM_TRA_1PNPDE20100129_005042_000000422086_00246_41382_7385.N1	29-JAN-2010 00:50:42	Dark	41.500	77	Eps Cen	2.3030	28000.	83	41382	No
13	GOM_TRA_1PNPDE20100129_005332_000000462086_00246_41382_7386.N1	29-JAN-2010 00:53:32	Dark	46.000	12	Alp1Cru	0.77500	30000.	92	41382	No
14	GOM_TRA_1PNPDE20100129_005522_000000472086_00246_41382_7387.N1	29-JAN-2010 00:55:22	Dark	46.500	99	Del Cen	2.5750	26000.	93	41382	No
15	GOM_TRA_1PNPDE20100129_005739_000000452086_00246_41382_7388.N1	29-JAN-2010 00:57:39	Dark	45.000	159	Ups Car	2.9200	7200.0	90	41382	No
16	GOM_TRA_1PNPDE20100129_005934_000000452086_00246_41382_7389.N1	29-JAN-2010 00:59:34	Dark	45.000	71	Iot Car	2.2460	7700.0	90	41382	No
17	GOM_TRA_1PNPDE20100129_010120_000000442086_00246_41382_7390.N1	29-JAN-2010 01:01:20	Dark	44.000	46	Del Vel	1.9540	10600.	88	41382	No
18	GOM_TRA_1PNPDE20100129_010354_000000442086_00246_41382_7391.N1	29-JAN-2010 01:03:54	Dark	43.500	34	Gam2Vel	1.7930	23000.	87	41382	No
19	GOM_TRA_1PNPDE20100129_010600_000000432086_00246_41382_7392.N1	29-JAN-2010 01:06:00	Straylight	43.000	70	Zet Pup	2.2460	39000.	86	41382	No
20	GOM_TRA_1PNPDE20100129_010929_000000412086_00246_41382_7393.N1	29-JAN-2010 01:09:29	Straylight	40.500	88	31Eta CMa	2.4480	20000.	81	41382	No
21	GOM_TRA_1PNPDE20100129_011918_000000472086_00246_41382_7394.N1	29-JAN-2010 01:19:18	Tw_i_and_stray	46.500	8	10Alp CMi	0.40000	6500.0	93	41382	No
22	GOM_TRA_1PNPDE20100129_012238_000000402086_00246_41382_7395.N1	29-JAN-2010 01:22:38	Bright	39.500	44	24Gam Gem	1.9280	11000.	79	41382	No
23	GOM_TRA_1PNPDE20100129_012503_000000382086_00246_41382_7396.N1	29-JAN-2010 01:25:03	Bright	38.000	170	27Eps Gem	3.0000	9700.0	76	41382	No
24	GOM_TRA_1PNPDE20100129_012707_000000402086_00246_41382_7397.N1	29-JAN-2010 01:27:07	Bright	40.000	24	66Alp Gem	1.5800	10200.	80	41382	No
25	GOM_TRA_1PNPDE20100129_014312_000000352086_00246_41382_7398.N1	29-JAN-2010 01:43:12	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	41382	No
26	GOM_TRA_1PNPDE20100129_014629_000000412086_00246_41382_7399.N1	29-JAN-2010 01:46:29	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	41382	No
27	GOM_TRA_1PNPDE20100129_015108_000000572086_00246_41382_7400.N1	29-JAN-2010 01:51:08	Bright	57.000	119	14Eta Dra	2.7270	4700.0	114	41382	No
28	GOM_TRA_1PNPDE20100129_015412_000000382086_00246_41382_7401.N1	29-JAN-2010 01:54:12	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	41382	No
29	GOM_TRA_1PNPDE20100129_015744_000000412086_00246_41382_7402.N1	29-JAN-2010 01:57:44	Bright	40.500	5	3Alp Lyr	0.033000	11000.	81	41382	No
30	GOM_TRA_1PNPDE20100129_020046_000000442086_00246_41382_7403.N1	29-JAN-2010 02:00:46	Bright	44.000	133	40Zet Her	2.8070	6000.0	88	41382	No
31	GOM_TRA_1PNPDE20100129_020551_000000542086_00246_41382_7404.N1	29-JAN-2010 02:05:51	Bright	54.000	59	55Alp Oph	2.0800	8900.0	108	41382	No
32	GOM_TRA_1PNPDE20100129_020758_000000342086_00246_41382_7405.N1	29-JAN-2010 02:07:58	Bright	34.000	126	60Bet Oph	2.7700	4250.0	68	41382	No
33	GOM_TRA_1PNPDE20100129_021419_000000452086_00246_41382_7406.N1	29-JAN-2010 02:14:19	Tw_i_and_stray	44.500	86	35Eta Oph	2.4300	10200.	89	41382	No
34	GOM_TRA_1PNPDE20100129_021830_000000502086_00246_41382_7407.N1	29-JAN-2010 02:18:30	Dark	50.000	16	21Alp Sco	1.0200	3000.0	100	41382	No
35	GOM_TRA_1PNPDE20100129_022933_000000422086_00247_41383_7408.N1	29-JAN-2010 02:29:33	Dark	42.000	4	Alp1Cen	-0.010000	5800.0	84	41383	No
36	GOM_TRA_1PNPDE20100129_023119_000000422086_00247_41383_7409.N1	29-JAN-2010 02:31:19	Dark	42.000	77	Eps Cen	2.3030	28000.	84	41383	No
37	GOM_TRA_1PNPDE20100129_023408_000000452086_00247_41383_7410.N1	29-JAN-2010 02:34:08	Dark	44.500	12	Alp1Cru	0.77500	30000.	89	41383	No
38	GOM_TRA_1PNPDE20100129_023559_000000462086_00247_41383_7411.N1	29-JAN-2010 02:35:59	Dark	46.000	99	Del Cen	2.5750	26000.	92	41383	No
39	GOM_TRA_1PNPDE20100129_023815_000000382086_00247_41383_7412.N1	29-JAN-2010 02:38:15	Dark	38.000	159	Ups Car	2.9200	7200.0	76	41383	No
40	GOM_TRA_1PNPDE20100129_024011_000000492086_00247_41383_7413.N1	29-JAN-2010 02:40:11	Dark	48.500	71	Iot Car	2.2460	7700.0	97	41383	No
41	GOM_TRA_1PNPDE20100129_024157_000000442086_00247_41383_7414.N1	29-JAN-2010 02:41:57	Dark	44.000	46	Del Vel	1.9540	10600.	88	41383	No
42	GOM_TRA_1PNPDE20100129_024430_000000422086_00247_41383_7415.N1	29-JAN-2010 02:44:30	Dark	41.500	34	Gam2Vel	1.7930	23000.	83	41383	No
43	GOM_TRA_1PNPDE20100129_024636_000000402086_00247_41383_7416.N1	29-JAN-2010 02:46:36	Straylight	40.000	70	Zet Pup	2.2460	39000.	80	41383	No
44	GOM_TRA_1PNPDE20100129_025005_000000422086_00247_41383_7417.N1	29-JAN-2010 02:50:05	Straylight	41.500	88	31Eta CMa	2.4480	20000.	83	41383	No
45	GOM_TRA_1PNPDE20100129_025954_000000462086_00247_41383_7418.N1	29-JAN-2010 02:59:54	Tw_i_and_stray	46.000	8	10Alp CMi	0.40000	6500.0	92	41383	No
46	GOM_TRA_1PNPDE20100129_030315_000000412086_00247_41383_7419.N1	29-JAN-2010 03:03:15	Bright	40.500	44	24Gam Gem	1.9280	11000.	81	41383	No
47	GOM_TRA_1PNPDE20100129_030538_000000392086_00247_41383_7420.N1	29-JAN-2010 03:05:38	Bright	39.000	170	27Eps Gem	3.0000	9700.0	78	41383	No
48	GOM_TRA_1PNPDE20100129_030743_000000392086_00247_41383_7421.N1	29-JAN-2010 03:07:43	Bright	39.000	24	66Alp Gem	1.5800	10200.	78	41383	No
49	GOM_TRA_1PNPDE20100129_032348_000000382086_00247_41383_7422.N1	29-JAN-2010 03:23:48	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	41383	No
50	GOM_TRA_1PNPDE20100129_032705_000000402086_00247_41383_7427.N1	29-JAN-2010 03:27:05	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	41383	No
51	GOM_TRA_1PNPDE20100129_033144_000000422086_00247_41383_7428.N1	29-JAN-2010 03:31:44	Bright	42.000	119	14Eta Dra	2.7270	4700.0	84	41383	No
52	GOM_TRA_1PNPDE20100129_033448_000000382086_00247_41383_7429.N1	29-JAN-2010 03:34:48	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	41383	No
53	GOM_TRA_1PNPDE20100129_033820_000000362086_00247_41383_7430.N1	29-JAN-2010 03:38:20	Bright	36.000	5	3Alp Lyr	0.033000	11000.	72	41383	No
54	GOM_TRA_1PNPDE20100129_034122_000000422086_00247_41383_7431.N1	29-JAN-2010 03:41:22	Bright	42.000	133	40Zet Her	2.8070	6000.0	84	41383	No
55	GOM_TRA_1PNPDE20100129_034627_000000412086_00247_41383_7432.N1	29-JAN-2010 03:46:27	Bright	40.500	59	55Alp Oph	2.0800	8900.0	81	41383	No
56	GOM_TRA_1PNPDE20100129_034834_000000412086_00247_41383_7433.N1	29-JAN-2010 03:48:34	Bright	40.500	126	60Bet Oph	2.7700	4250.0	81	41383	No
57	GOM_TRA_1PNPDE20100129_035456_000000422086_00247_41383_7434.N1	29-JAN-2010 03:54:56	Tw_i_and_stray	41.500	86	35Eta Oph	2.4300	10200.	83	41383	No
58	GOM_TRA_1PNPDE20100129_035906_000000532086_00247_41383_7435.N1	29-JAN-2010 03:59:06	Dark	53.000	16	21Alp Sco	1.0200	3000.0	106	41383	No
59	GOM_TRA_1PNPDE20100129_040449_000000402086_00247_41383_7436.N1	29-JAN-2010 04:04:49	Dark	40.000	131	Gam Lup	2.8000	26000.	80	41383	No
60	GOM_TRA_1PNPDE20100129_041010_000000552086_00248_41384_7437.N1	29-JAN-2010 04:10:10	Dark	55.000	4	Alp1Cen	-0.010000	5800.0	110	41384	No
61	GOM_TRA_1PNPDE20100129_041156_000000422086_00248_41384_7438.N1	29-JAN-2010 04:11:56	Dark	41.500	77	Eps Cen	2.3030	28000.	83	41384	No
62	GOM_TRA_1PNPDE20100129_041445_000000492086_00248_41384_7439.N1	29-JAN-2010 04:14:45	Dark	48.500	12	Alp1Cru	0.77500	30000.	97	41384	No
63	GOM_TRA_1PNPDE20100129_041636_000000472086_00248_41384_7440.N1	29-JAN-2010 04:16:36	Dark	46.500	99	Del Cen	2.5750	26000.	93	41384	No
64	GOM_TRA_1PNPDE20100129_041852_000000392086_00248_41384_7441.N1	29-JAN-2010 04:18:52	Dark	39.000	159	Ups Car	2.9200	7200.0	78	41384	No
65	GOM_TRA_1PNPDE20100129_042047_000000392086_00248_41384_7442.N1	29-JAN-2010 04:20:47	Dark	38.500	71	Iot Car	2.2460	7700.0	77	41384	No
66	GOM_TRA_1PNPDE20100129_042233_000000422086_00248_41384_7443.N1	29-JAN-2010 04:22:33	Dark	41.500	46	Del Vel	1.9540	10600.	83	41384	No
67	GOM_TRA_1PNPDE20100129_042507_000000422086_00248_41384_7444.N1	29-JAN-2010 04:25:07	Dark	41.500	34	Gam2Vel	1.7930	23000.	83	41384	No

68	GOM_TRA_1PNPDE20100129_042712_000000412086_00248_41384_7445.N1	29-JAN-2010 04:27:12	Straylight	40.500	70	Zet Pup	2.2460	39000.	81	41384	No
69	GOM_TRA_1PNPDE20100129_043042_000000412086_00248_41384_7446.N1	29-JAN-2010 04:30:42	Straylight	40.500	88	31Eta CMa	2.4480	20000.	81	41384	No
70	GOM_TRA_1PNPDE20100129_044030_000000512086_00248_41384_7447.N1	29-JAN-2010 04:40:30	Tw_i_and_stray	50.500	8	10Alp CMi	0.40000	6500.0	101	41384	No
71	GOM_TRA_1PNPDE20100129_044351_000000412086_00248_41384_7448.N1	29-JAN-2010 04:43:51	Bright	40.500	44	24Gam Gem	1.9280	11000.	81	41384	No
72	GOM_TRA_1PNPDE20100129_044615_000000372086_00248_41384_7449.N1	29-JAN-2010 04:46:15	Bright	36.500	170	27Eps Gem	3.0000	9700.0	73	41384	No
73	GOM_TRA_1PNPDE20100129_044819_000000412086_00248_41384_7450.N1	29-JAN-2010 04:48:19	Bright	40.500	24	66Alp Gem	1.5800	10200.	81	41384	No
74	GOM_TRA_1PNPDE20100129_050424_000000372086_00248_41384_7451.N1	29-JAN-2010 05:04:24	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	41384	No
75	GOM_TRA_1PNPDE20100129_050740_000000572086_00248_41384_7457.N1	29-JAN-2010 05:07:40	Bright	57.000	60	7Bet UMi	2.0810	3950.0	114	41384	Yes
76	GOM_TRA_1PNPDE20100129_051220_000000402086_00248_41384_7458.N1	29-JAN-2010 05:12:20	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	41384	No
77	GOM_TRA_1PNPDE20100129_051524_000000372086_00248_41384_7459.N1	29-JAN-2010 05:15:24	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	41384	No
78	GOM_TRA_1PNPDE20100129_051856_000000352086_00248_41384_7460.N1	29-JAN-2010 05:18:56	Bright	35.000	5	3Alp Lyr	0.033000	11000.	70	41384	No
79	GOM_TRA_1PNPDE20100129_052159_000000402086_00248_41384_7461.N1	29-JAN-2010 05:21:59	Bright	40.000	133	40Zet Her	2.8070	6000.0	80	41384	No
80	GOM_TRA_1PNPDE20100129_052703_000000542086_00248_41384_7462.N1	29-JAN-2010 05:27:03	Bright	54.000	59	55Alp Oph	2.0800	8900.0	108	41384	No
81	GOM_TRA_1PNPDE20100129_052910_000000532086_00248_41384_7463.N1	29-JAN-2010 05:29:10	Bright	53.000	126	60Bet Oph	2.7700	4250.0	106	41384	No
82	GOM_TRA_1PNPDE20100129_053532_000000452086_00248_41384_7464.N1	29-JAN-2010 05:35:32	Tw_i_and_stray	44.500	86	35Eta Oph	2.4300	10200.	89	41384	No
83	GOM_TRA_1PNPDE20100129_053943_000000512086_00248_41384_7465.N1	29-JAN-2010 05:39:43	Dark	51.000	16	21Alp Sco	1.0200	3000.0	102	41384	No
84	GOM_TRA_1PNPDE20100129_054526_000000442086_00248_41384_7466.N1	29-JAN-2010 05:45:26	Dark	43.500	131	Gam Lup	2.8000	26000.	87	41384	No
85	GOM_TRA_1PNPDE20100129_055047_000000552086_00249_41385_7467.N1	29-JAN-2010 05:50:47	Dark	55.000	4	Alp1Cen	-0.010000	5800.0	110	41385	No
86	GOM_TRA_1PNPDE20100129_055233_000000422086_00249_41385_7468.N1	29-JAN-2010 05:52:33	Dark	41.500	77	Eps Cen	2.3030	28000.	83	41385	No
87	GOM_TRA_1PNPDE20100129_055522_000000472086_00249_41385_7469.N1	29-JAN-2010 05:55:22	Dark	46.500	12	Alp1Cru	0.77500	30000.	93	41385	No
88	GOM_TRA_1PNPDE20100129_055712_000000442086_00249_41385_7470.N1	29-JAN-2010 05:57:12	Dark	44.000	99	Del Cen	2.5750	26000.	88	41385	No
89	GOM_TRA_1PNPDE20100129_055928_000000422086_00249_41385_7471.N1	29-JAN-2010 05:59:28	Dark	42.000	159	Ups Car	2.9200	7200.0	84	41385	No
90	GOM_TRA_1PNPDE20100129_060123_000000442086_00249_41385_7472.N1	29-JAN-2010 06:01:23	Dark	44.000	71	lot Car	2.2460	7700.0	88	41385	No
91	GOM_TRA_1PNPDE20100129_060310_000000432086_00249_41385_7473.N1	29-JAN-2010 06:03:10	Dark	43.000	46	Del Vel	1.9540	10600.	86	41385	No
92	GOM_TRA_1PNPDE20100129_060543_000000432086_00249_41385_7474.N1	29-JAN-2010 06:05:43	Dark	42.500	34	Gam2Vel	1.7930	23000.	85	41385	No
93	GOM_TRA_1PNPDE20100129_060748_000000402086_00249_41385_7475.N1	29-JAN-2010 06:07:48	Straylight	40.000	70	Zet Pup	2.2460	39000.	80	41385	No
94	GOM_TRA_1PNPDE20100129_061118_000000392086_00249_41385_7476.N1	29-JAN-2010 06:11:18	Straylight	39.000	88	31Eta CMa	2.4480	20000.	78	41385	No
95	GOM_TRA_1PNPDE20100129_062106_000000472086_00249_41385_7477.N1	29-JAN-2010 06:21:06	Tw_i_and_stray	47.000	8	10Alp CMi	0.40000	6500.0	94	41385	No
96	GOM_TRA_1PNPDE20100129_062427_000000392086_00249_41385_7478.N1	29-JAN-2010 06:24:27	Bright	39.000	44	24Gam Gem	1.9280	11000.	78	41385	No
97	GOM_TRA_1PNPDE20100129_062651_000000522086_00249_41385_7479.N1	29-JAN-2010 06:26:51	Bright	52.000	170	27Eps Gem	3.0000	9700.0	104	41385	No
98	GOM_TRA_1PNPDE20100129_062854_000000412086_00249_41385_7480.N1	29-JAN-2010 06:28:54	Bright	41.000	24	66Alp Gem	1.5800	10200.	82	41385	No
99	GOM_TRA_1PNPDE20100129_064500_000000362086_00249_41385_7481.N1	29-JAN-2010 06:45:00	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	41385	No
100	GOM_TRA_1PNPDE20100129_064816_000000362086_00249_41385_7482.N1	29-JAN-2010 06:48:16	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	41385	No
101	GOM_TRA_1PNPDE20100129_211108_000000422086_00258_41394_7543.N1	29-JAN-2010 21:11:08	Dark	42.000	34	Gam2Vel	1.7930	23000.	84	41394	No
102	GOM_TRA_1PNPDE20100129_211314_000000412086_00258_41394_7544.N1	29-JAN-2010 21:13:14	Straylight	41.000	70	Zet Pup	2.2460	39000.	82	41394	No
103	GOM_TRA_1PNPDE20100129_211643_000000412086_00258_41394_7545.N1	29-JAN-2010 21:16:43	Straylight	41.000	88	31Eta CMa	2.4480	20000.	82	41394	No
104	GOM_TRA_1PNPDE20100129_212629_000000502086_00258_41394_7546.N1	29-JAN-2010 21:26:29	Tw_i_and_stray	49.500	8	10Alp CMi	0.40000	6500.0	99	41394	No
105	GOM_TRA_1PNPDE20100129_213416_000000382086_00258_41394_7547.N1	29-JAN-2010 21:34:16	Bright	38.000	24	66Alp Gem	1.5800	10200.	76	41394	No
106	GOM_TRA_1PNPDE20100129_215024_000000342086_00258_41394_7548.N1	29-JAN-2010 21:50:24	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	41394	No
107	GOM_TRA_1PNPDE20100129_215337_000000412086_00258_41394_7549.N1	29-JAN-2010 21:53:37	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	41394	No
108	GOM_TRA_1PNPDE20100129_215818_000000412086_00258_41394_7550.N1	29-JAN-2010 21:58:18	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	41394	No
109	GOM_TRA_1PNPDE20100129_220124_000000402086_00258_41394_7551.N1	29-JAN-2010 22:01:24	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	41394	No
110	GOM_TRA_1PNPDE20100129_220457_000000392086_00258_41394_7552.N1	29-JAN-2010 22:04:57	Bright	39.000	5	3Alp Lyr	0.033000	11000.	78	41394	No
111	GOM_TRA_1PNPDE20100129_220759_000000462086_00258_41394_7553.N1	29-JAN-2010 22:07:59	Bright	45.500	133	40Zet Her	2.8070	6000.0	91	41394	No
112	GOM_TRA_1PNPDE20100129_221305_000000362086_00258_41394_7554.N1	29-JAN-2010 22:13:05	Bright	35.500	59	55Alp Oph	2.0800	8900.0	71	41394	No
113	GOM_TRA_1PNPDE20100129_221513_000000362086_00258_41394_7555.N1	29-JAN-2010 22:15:13	Bright	35.500	126	60Bet Oph	2.7700	4250.0	71	41394	No
114	GOM_TRA_1PNPDE20100129_222136_000000432086_00258_41394_7560.N1	29-JAN-2010 22:21:36	Tw_i_and_stray	42.500	86	35Eta Oph	2.4300	10200.	85	41394	No
115	GOM_TRA_1PNPDE20100129_222548_000000542086_00258_41394_7561.N1	29-JAN-2010 22:25:48	Dark	54.000	16	21Alp Sco	1.0200	3000.0	108	41394	No
116	GOM_TRA_1PNPDE20100129_223651_000000412086_00259_41395_7562.N1	29-JAN-2010 22:36:51	Dark	41.000	4	Alp1Cen	-0.010000	5800.0	82	41395	No
117	GOM_TRA_1PNPDE20100129_223840_000000442086_00259_41395_7563.N1	29-JAN-2010 22:38:40	Dark	44.000	77	Eps Cen	2.3030	28000.	88	41395	No
118	GOM_TRA_1PNPDE20100129_224126_000000422086_00259_41395_7564.N1	29-JAN-2010 22:41:26	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	41395	No
119	GOM_TRA_1PNPDE20100129_224320_000000472086_00259_41395_7565.N1	29-JAN-2010 22:43:20	Dark	47.000	99	Del Cen	2.5750	26000.	94	41395	No
120	GOM_TRA_1PNPDE20100129_224531_000000382086_00259_41395_7566.N1	29-JAN-2010 22:45:31	Dark	38.000	159	Ups Car	2.9200	7200.0	76	41395	No
121	GOM_TRA_1PNPDE20100129_224726_000000392086_00259_41395_7567.N1	29-JAN-2010 22:47:26	Dark	39.000	71	lot Car	2.2460	7700.0	78	41395	No
122	GOM_TRA_1PNPDE20100129_224912_000000432086_00259_41395_7568.N1	29-JAN-2010 22:49:12	Dark	43.000	46	Del Vel	1.9540	10600.	86	41395	No
123	GOM_TRA_1PNPDE20100129_225144_000000422086_00259_41395_7569.N1	29-JAN-2010 22:51:44	Dark	41.500	34	Gam2Vel	1.7930	23000.	83	41395	No
124	GOM_TRA_1PNPDE20100129_225350_000000402086_00259_41395_7570.N1	29-JAN-2010 22:53:50	Straylight	40.000	70	Zet Pup	2.2460	39000.	80	41395	No
125	GOM_TRA_1PNPDE20100129_225719_000000402086_00259_41395_7571.N1	29-JAN-2010 22:57:19	Straylight	39.500	88	31Eta CMa	2.4480	20000.	79	41395	No
126	GOM_TRA_1PNPDE20100129_230705_000000462086_00259_41395_7572.N1	29-JAN-2010 23:07:05	Tw_i_and_stray	46.000	8	10Alp CMi	0.40000	6500.0	92	41395	No

127	GOM_TRA_1PNPDE20100129_231452_000000412086_00259_41395_7573.N1	29-JAN-2010 23:14:52	Bright	40.500	24	66Alp Gem	1.5800	10200.	81	41395	No
128	GOM_TRA_1PNPDE20100129_233100_000000382086_00259_41395_7574.N1	29-JAN-2010 23:31:00	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	41395	No
129	GOM_TRA_1PNPDE20100129_233413_000000372086_00259_41395_7575.N1	29-JAN-2010 23:34:13	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	41395	No
130	GOM_TRA_1PNPDE20100129_233854_000000392086_00259_41395_7576.N1	29-JAN-2010 23:38:54	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	41395	No
131	GOM_TRA_1PNPDE20100129_234159_000000362086_00259_41395_7577.N1	29-JAN-2010 23:41:59	Bright	35.500	130	23Bet Dra	2.7990	5800.0	71	41395	No
132	GOM_TRA_1PNPDE20100129_234533_000000342086_00259_41395_7578.N1	29-JAN-2010 23:45:33	Bright	34.000	5	3Alp Lyr	0.033000	11000.	68	41395	No
133	GOM_TRA_1PNPDE20100129_234835_000000422086_00259_41395_7579.N1	29-JAN-2010 23:48:35	Bright	42.000	133	40Zet Her	2.8070	6000.0	84	41395	No
134	GOM_TRA_1PNPDE20100129_235341_000000362086_00259_41395_7580.N1	29-JAN-2010 23:53:41	Bright	36.000	59	55Alp Oph	2.0800	8900.0	72	41395	No
135	GOM_TRA_1PNPDE20100129_235549_000000532086_00259_41395_7581.N1	29-JAN-2010 23:55:49	Bright	53.000	126	60Bet Oph	2.7700	4250.0	106	41395	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).

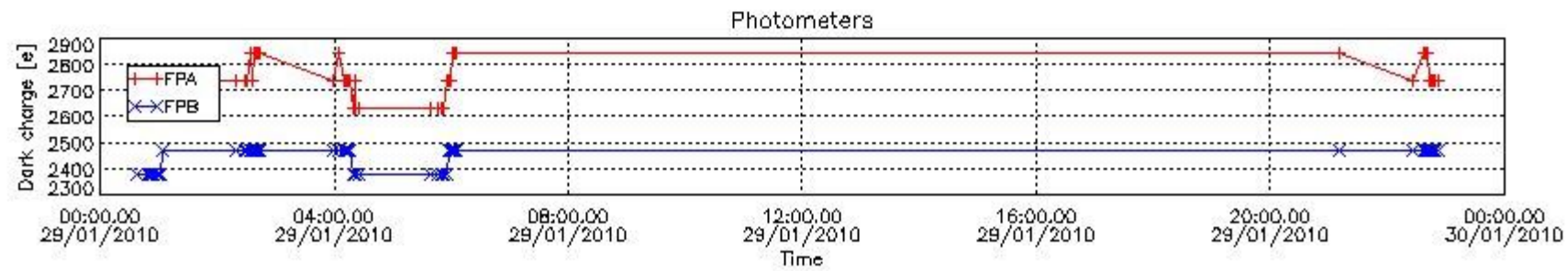
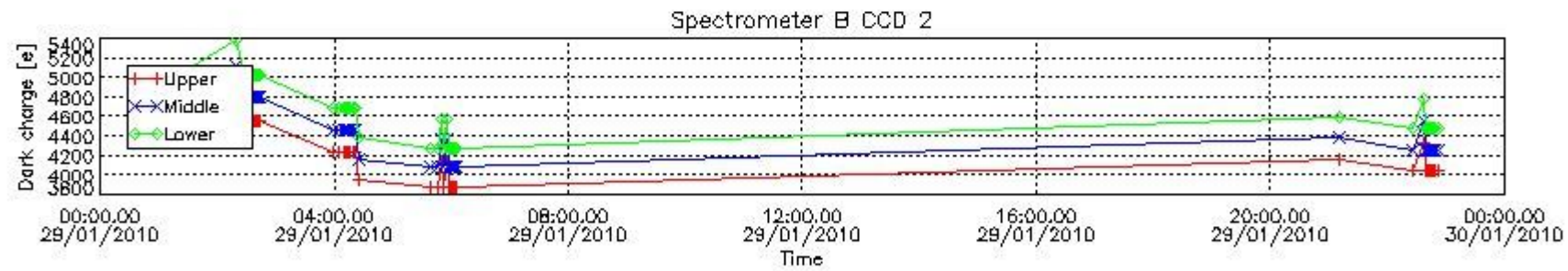
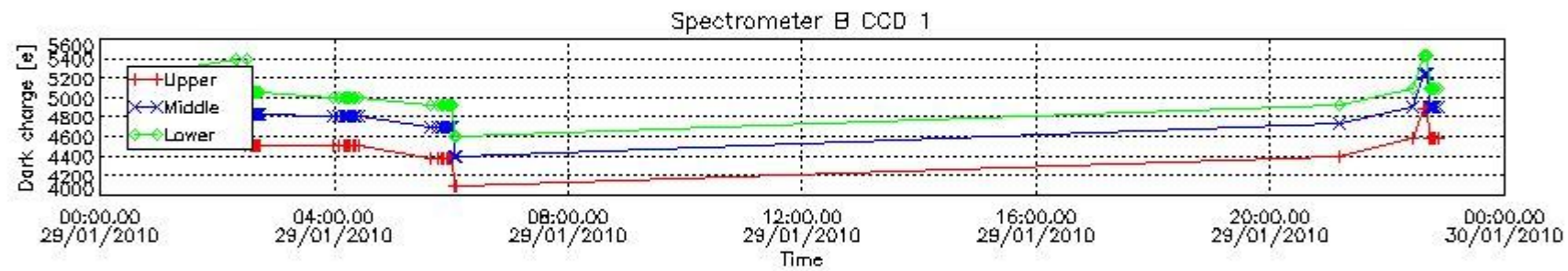
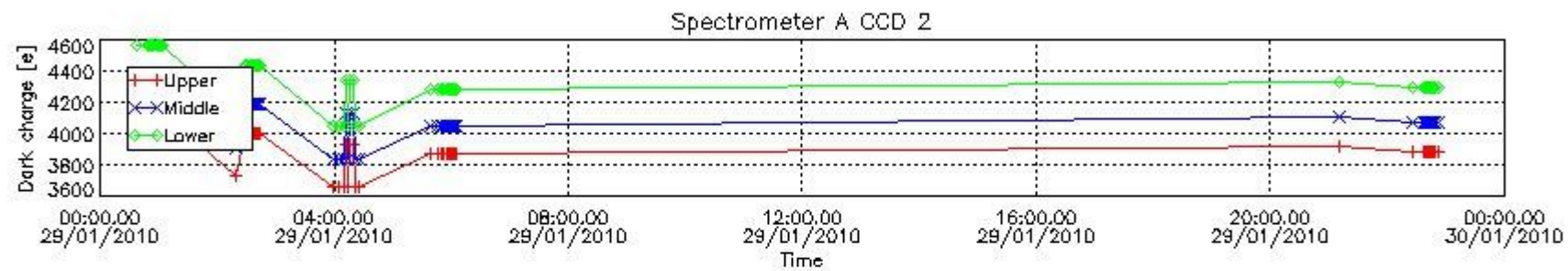
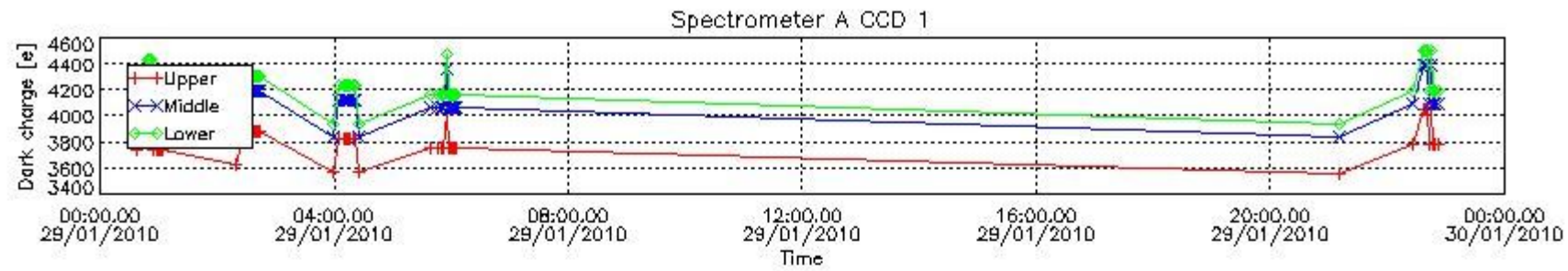
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20100129_211108_000000422086_00258_41394_7543.N1	DC map used

GOM_TRA_1PNPDE20100129_211314_000000412086_00258_41394_7544.N1	DC map used
GOM_TRA_1PNPDE20100129_211643_000000412086_00258_41394_7545.N1	DC map used
GOM_TRA_1PNPDE20100129_212629_000000502086_00258_41394_7546.N1	DC map used
GOM_TRA_1PNPDE20100129_213416_000000382086_00258_41394_7547.N1	DC map used
GOM_TRA_1PNPDE20100129_215024_000000342086_00258_41394_7548.N1	DC map used
GOM_TRA_1PNPDE20100129_215337_000000412086_00258_41394_7549.N1	DC map used
GOM_TRA_1PNPDE20100129_215818_000000412086_00258_41394_7550.N1	DC map used
GOM_TRA_1PNPDE20100129_220124_000000402086_00258_41394_7551.N1	DC map used
GOM_TRA_1PNPDE20100129_220457_000000392086_00258_41394_7552.N1	DC map used
GOM_TRA_1PNPDE20100129_220759_000000462086_00258_41394_7553.N1	DC map used
GOM_TRA_1PNPDE20100129_221305_000000362086_00258_41394_7554.N1	DC map used
GOM_TRA_1PNPDE20100129_221513_000000362086_00258_41394_7555.N1	DC map used

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



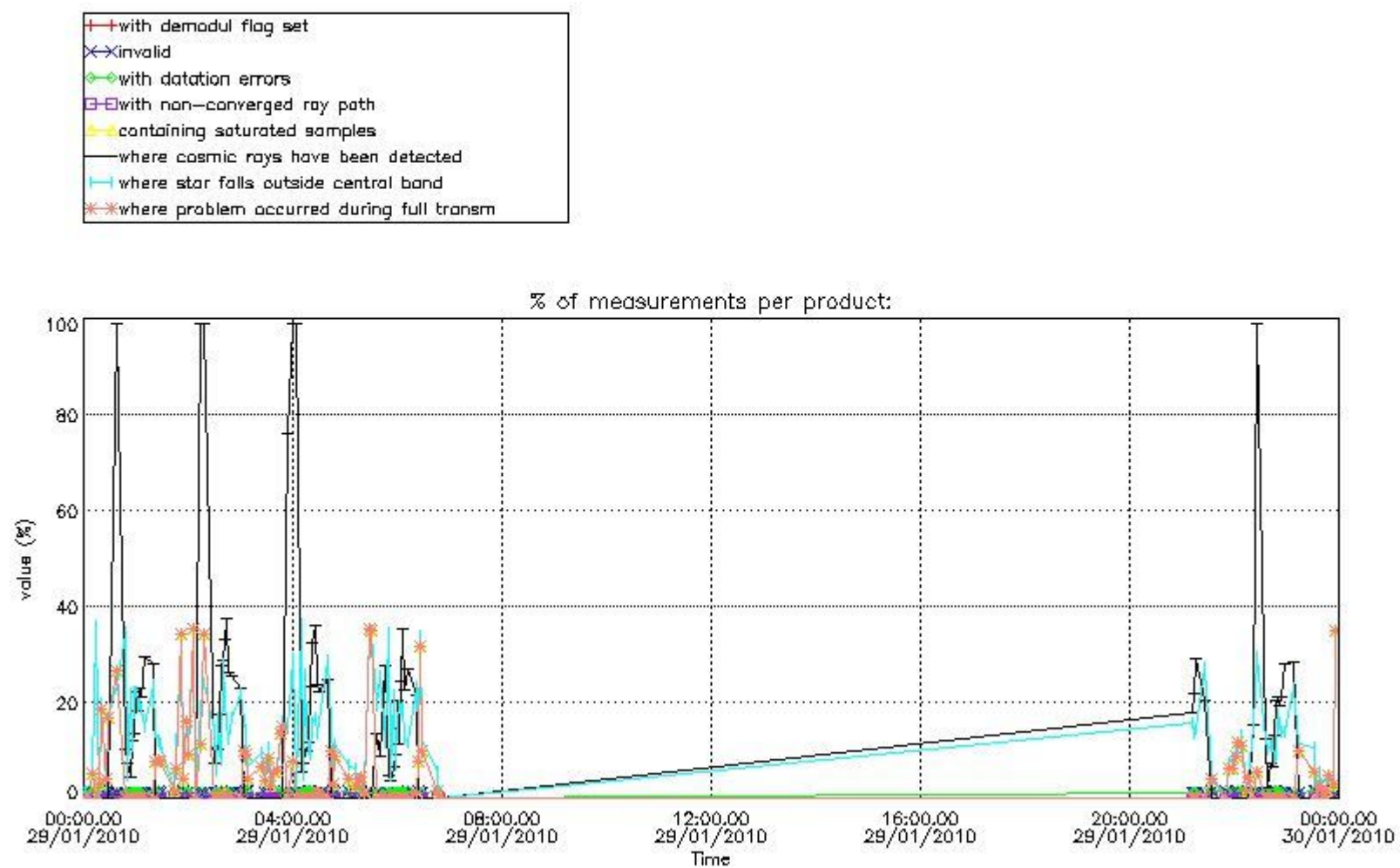
5. Demodulation flag and quality information monitoring

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.

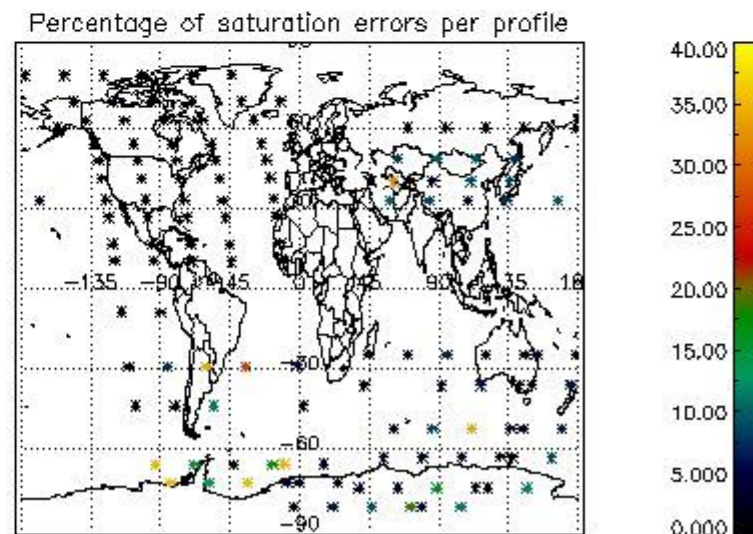
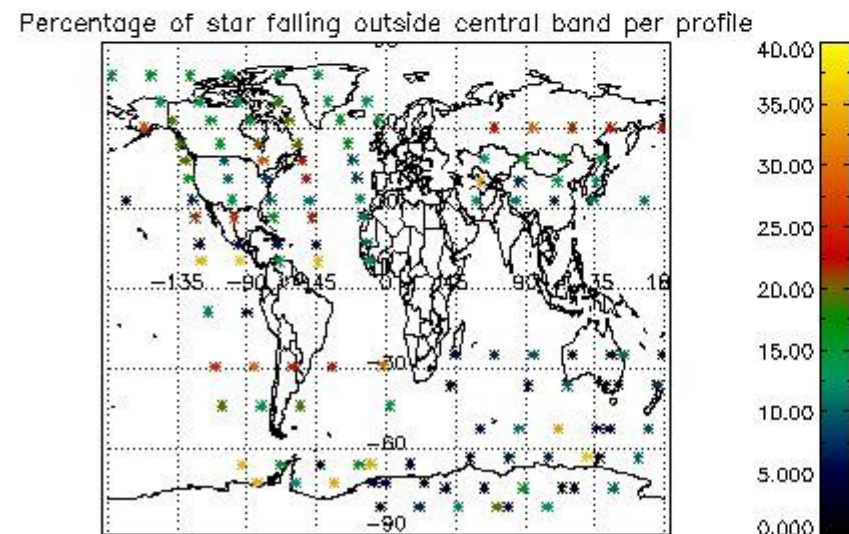
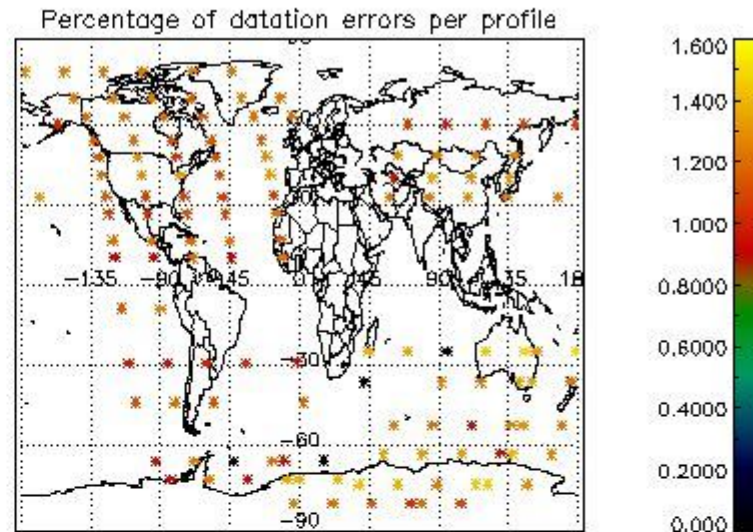
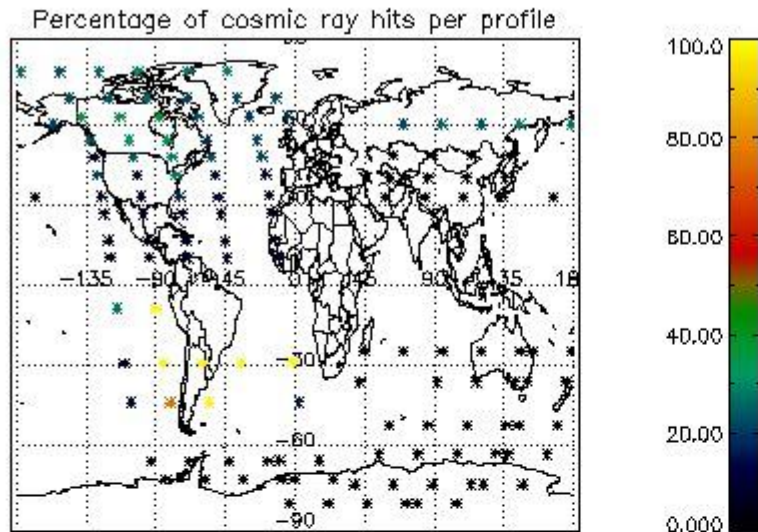
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	30.8271 %
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)



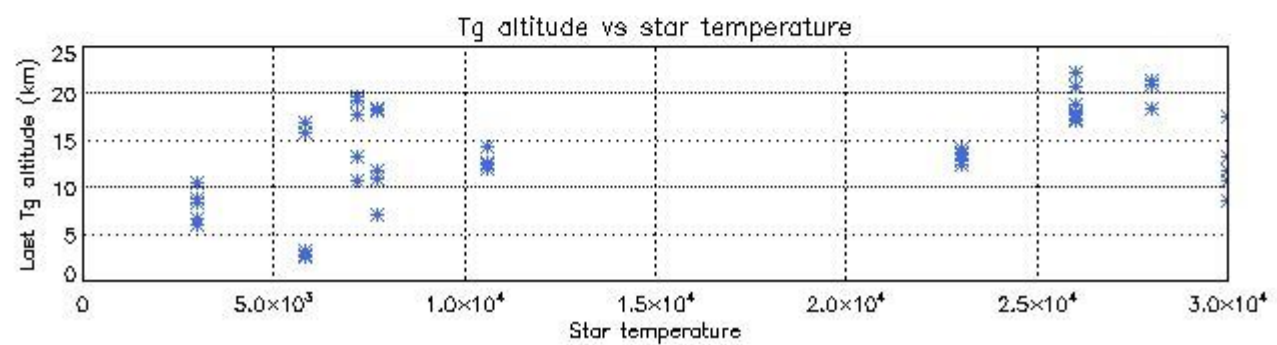
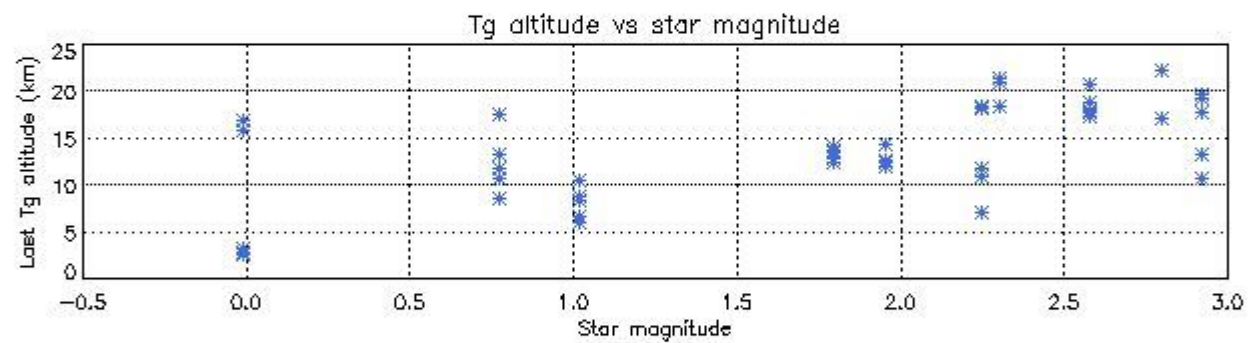
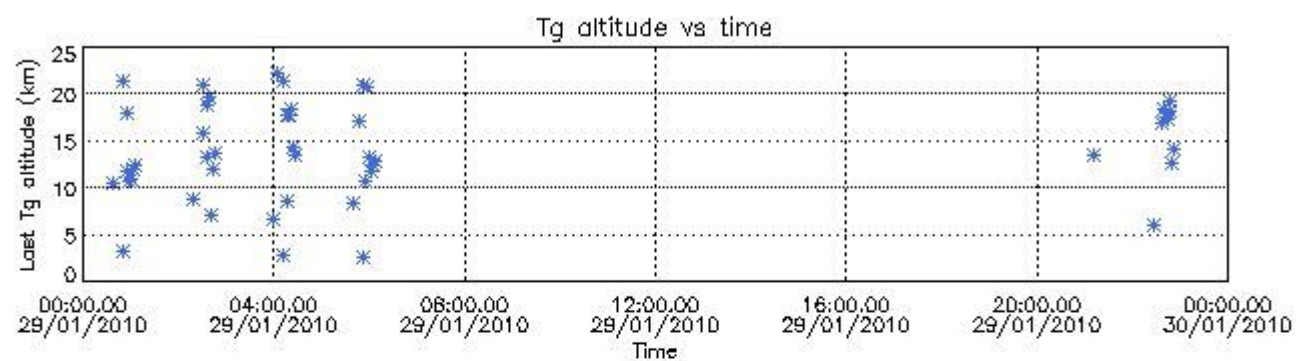
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.922	17.929	NaN
St. deviation:	5.1503	6.2201	NaN
Maximum:	22.198	28.472	NaN
Minimum:	2.6271	3.5400	NaN
Number of data:	48.000	63.000	NaN

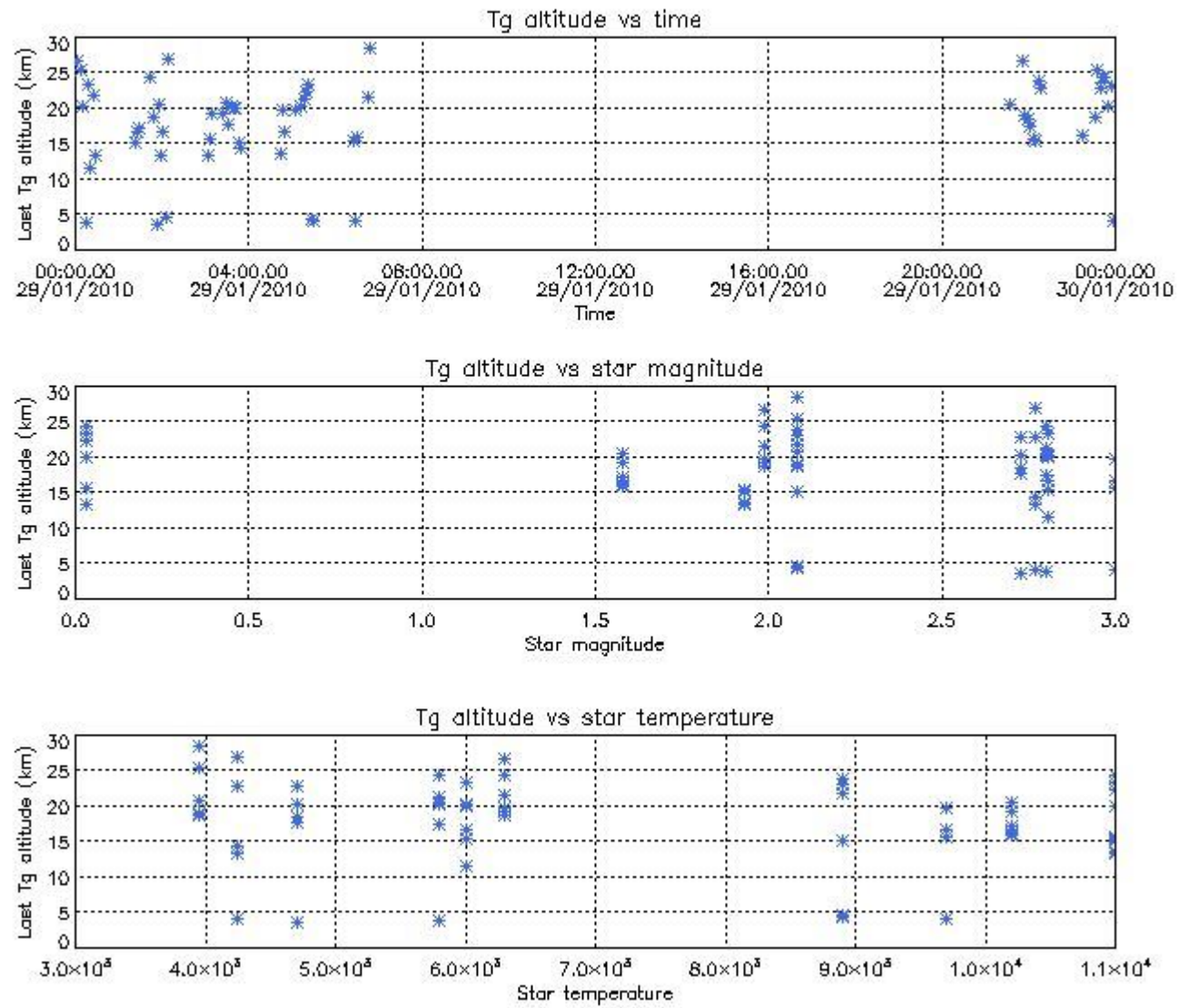
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

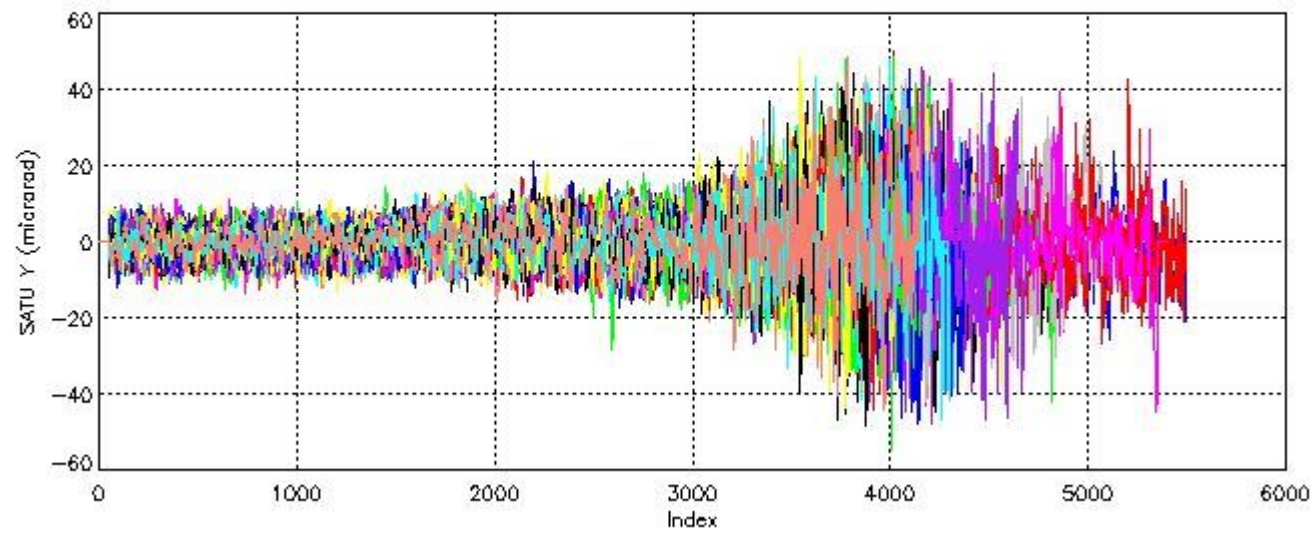
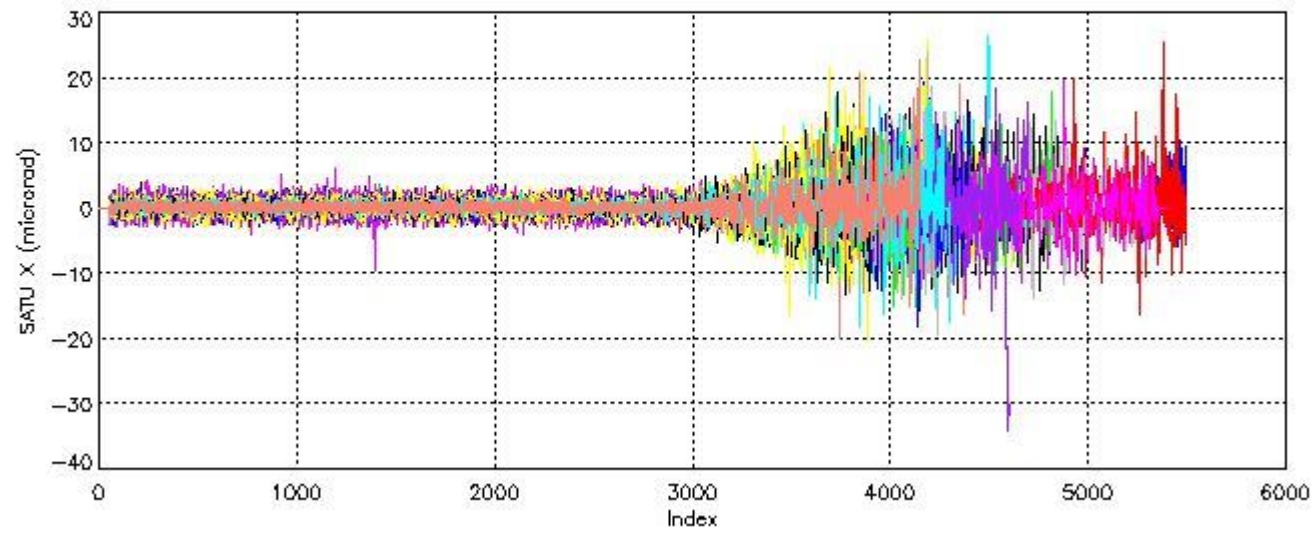


7. Star Acquisition and Tracking Unit (SATU)

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:	0.13762	-0.44230	0.071012	-0.39546
St. deviation:	0.56872	3.1244	0.59439	3.0615
Maximum:	5.2000	10.900	3.9000	12.100
Minimum:	-4.1000	-13.800	-4.3000	-15.600

Number of data:	45450.	45450.	55950.	55950.
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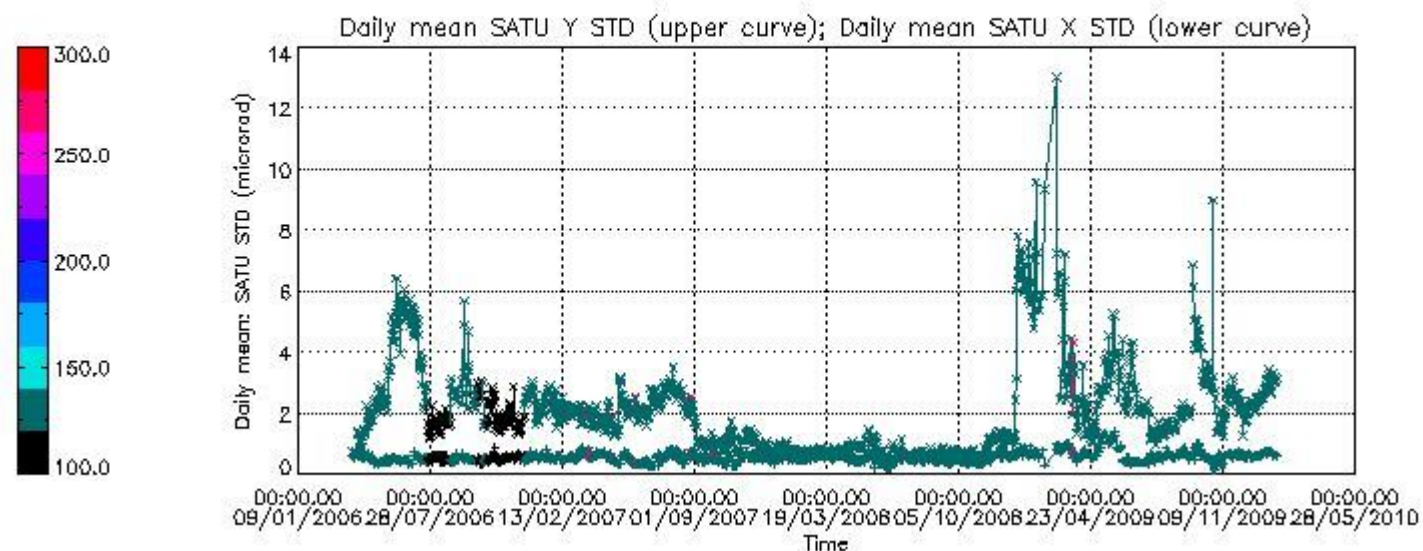
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

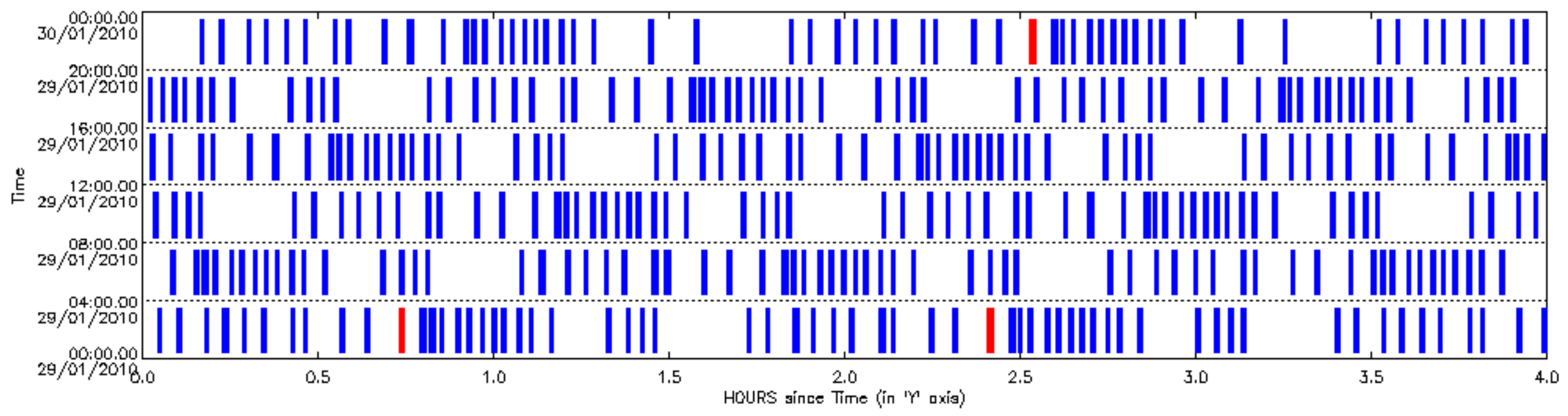
Lower curve: STD of SATU X axis

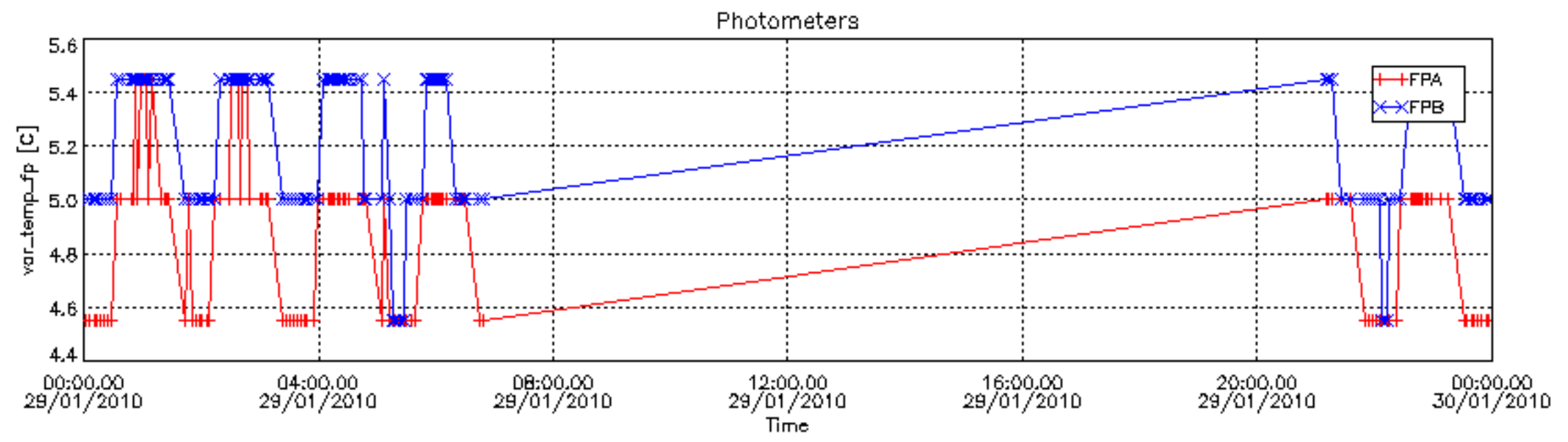
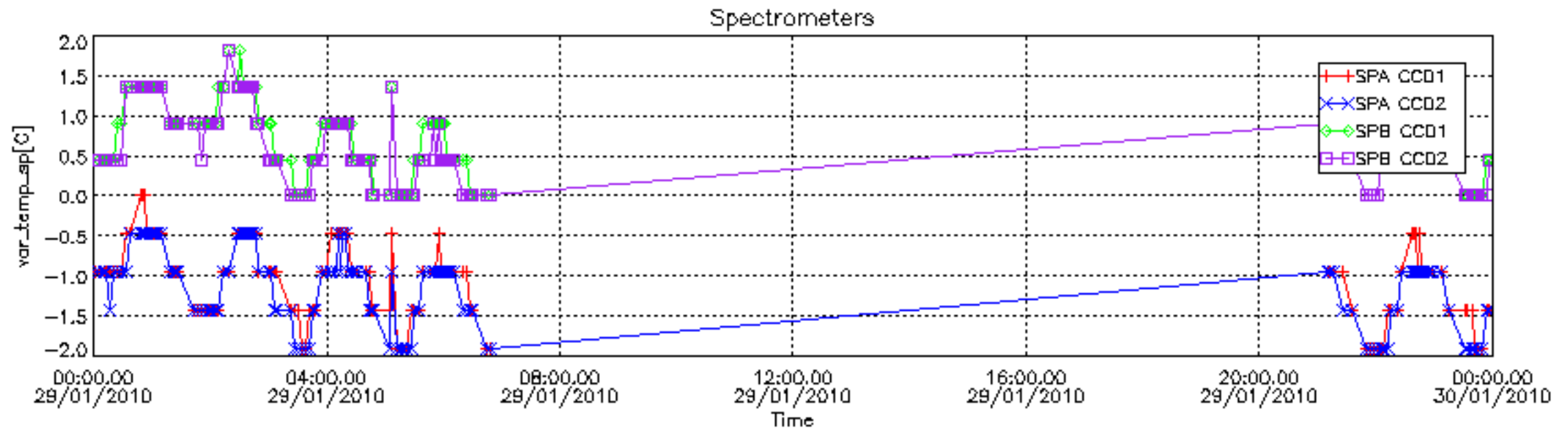


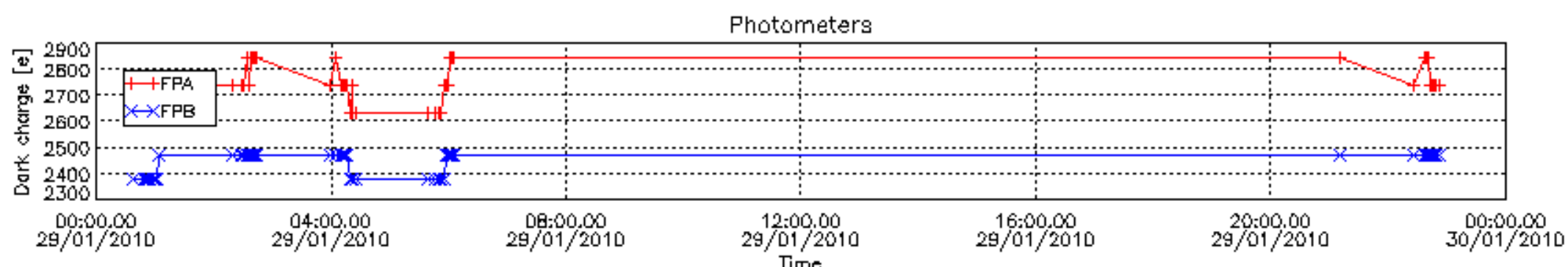
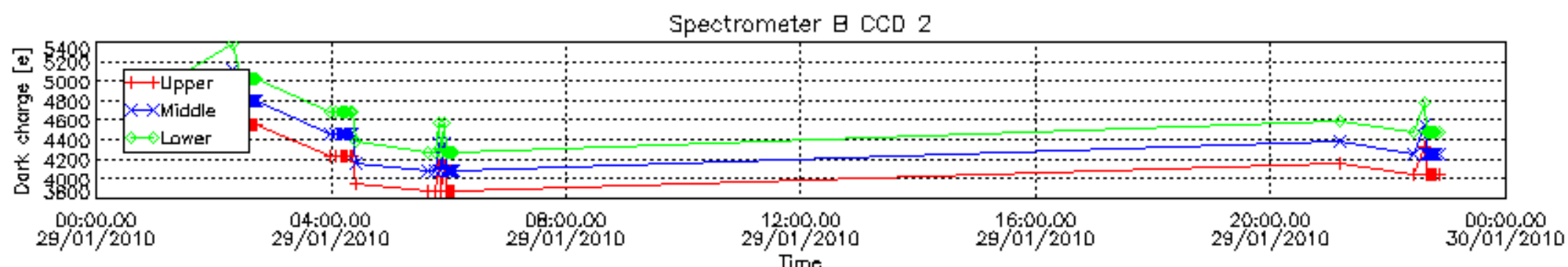
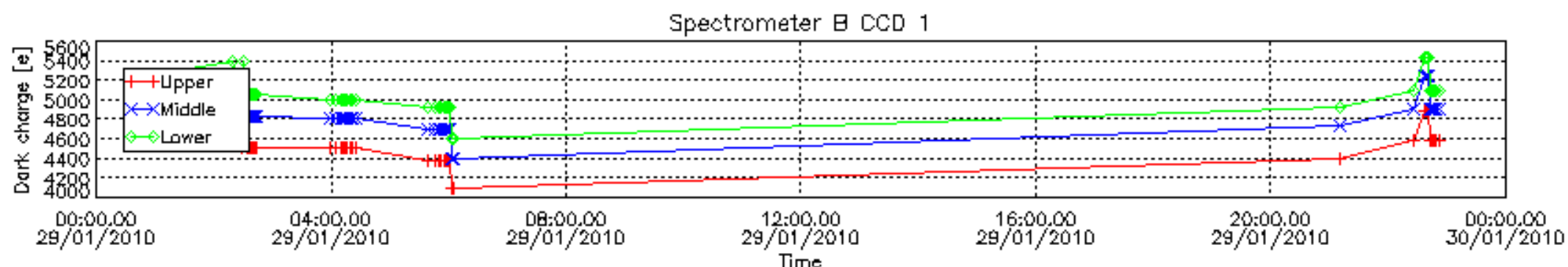
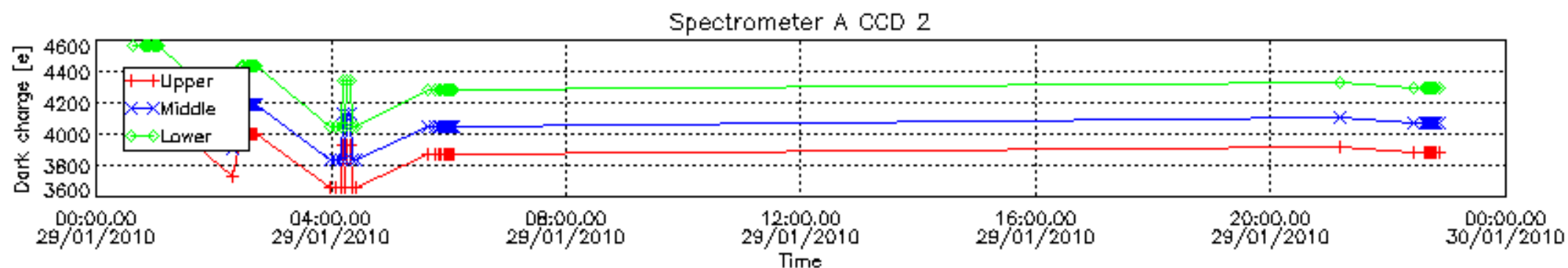
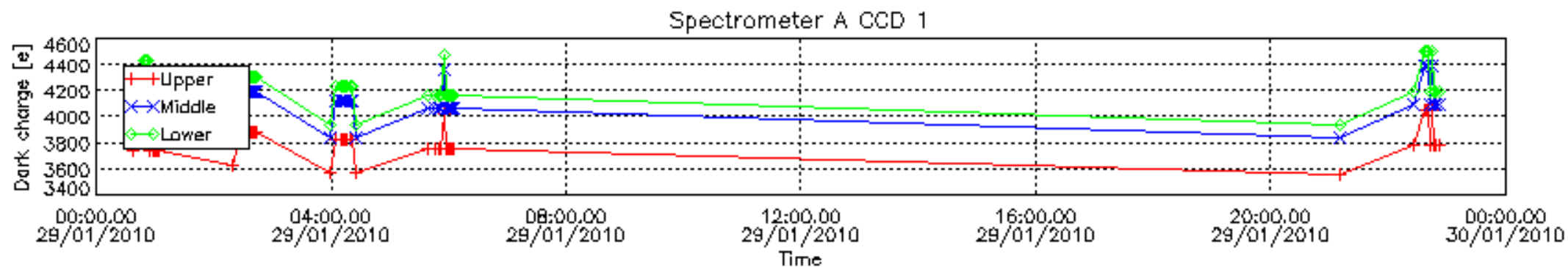
8. Auxiliary Data Files used for the production reported in section 2.4

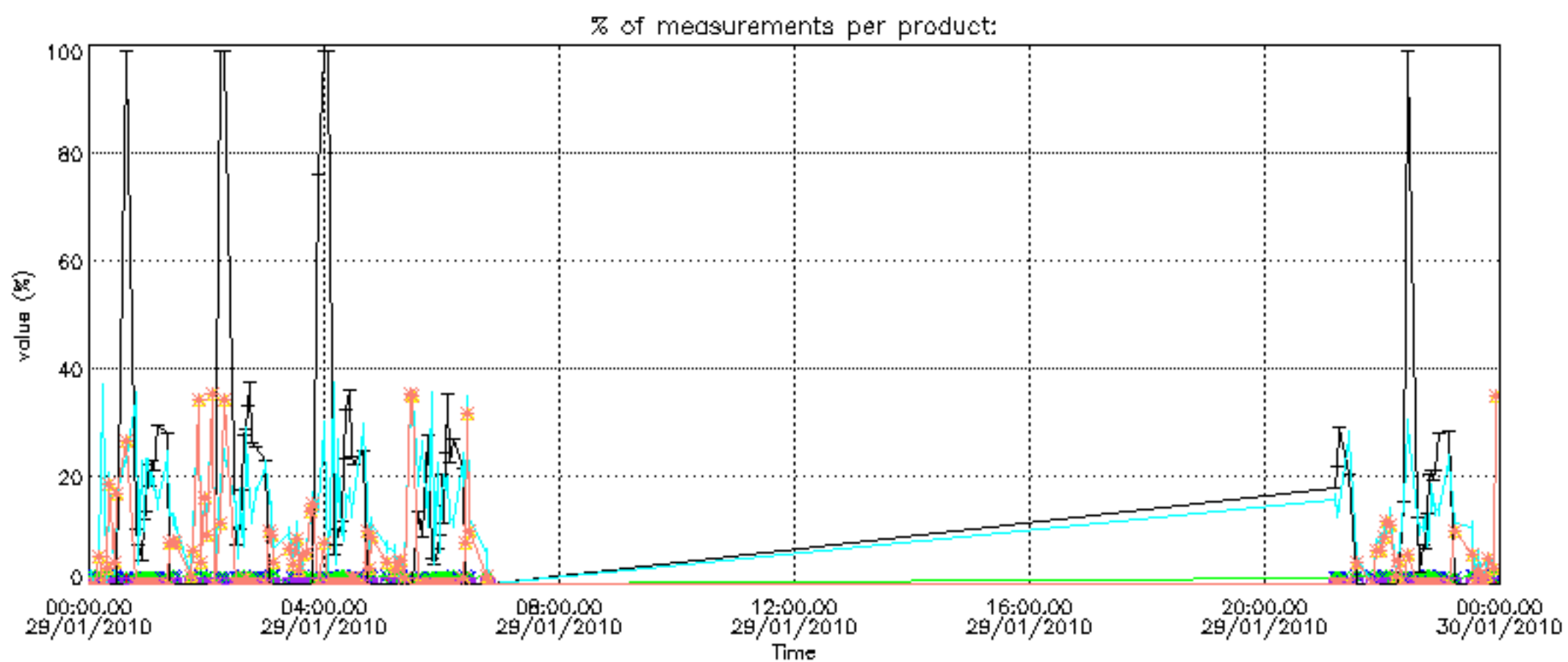
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	29-JAN-2010 00:02:36
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100127_093029_20100125_000000_20500101_000000	1	29-JAN-2010 00:02:36
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	29-JAN-2010 00:02:36
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	29-JAN-2010 00:02:36
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	29-JAN-2010 00:02:36
ECMWF_FILE	AUX_ECF_AXNECM20100128_062115_20100128_210000_20100129_090000	1	29-JAN-2010 00:02:36
ECMWF_FILE	AUX_ECF_AXNECM20100128_182117_20100129_030000_20100129_150000	50	29-JAN-2010 03:27:05
ECMWF_FILE	AUX_ECA_AXNECM20100129_060113_20100128_210000_20100129_090000	75	29-JAN-2010 05:07:40
ECMWF_FILE	AUX_ECF_AXNECM20100129_062113_20100129_210000_20100130_090000	101	29-JAN-2010 21:11:08
OPTIONAL_ECMWF_FILE	MISSING	1	29-JAN-2010 00:02:36
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100128_224858_000057382086_00244_41380_9659.N1	1	29-JAN-2010 00:02:36
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100129_002955_000057382086_00245_41381_9660.N1	9	29-JAN-2010 00:33:43
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100129_020533_000044632086_00246_41382_9661.N1	33	29-JAN-2010 02:14:19
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100128_230116_20100128_194418_20100207_211030	50	29-JAN-2010 03:27:05
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100129_210753_000038262086_00258_41394_9664.N1	101	29-JAN-2010 21:11:08
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100129_221657_000060572086_00258_41394_9665.N1	114	29-JAN-2010 22:21:36

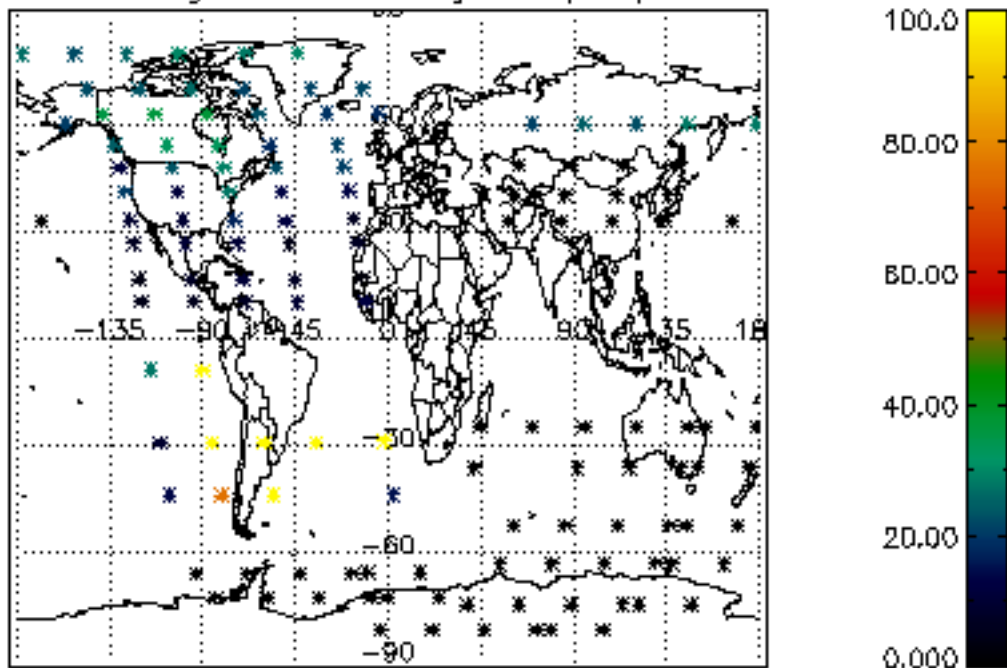




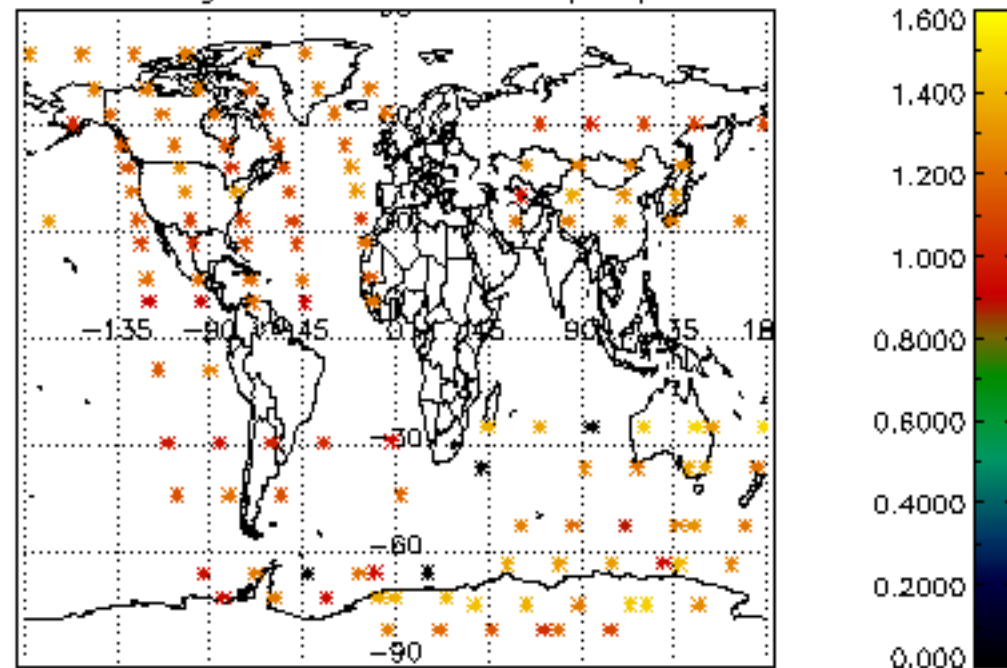




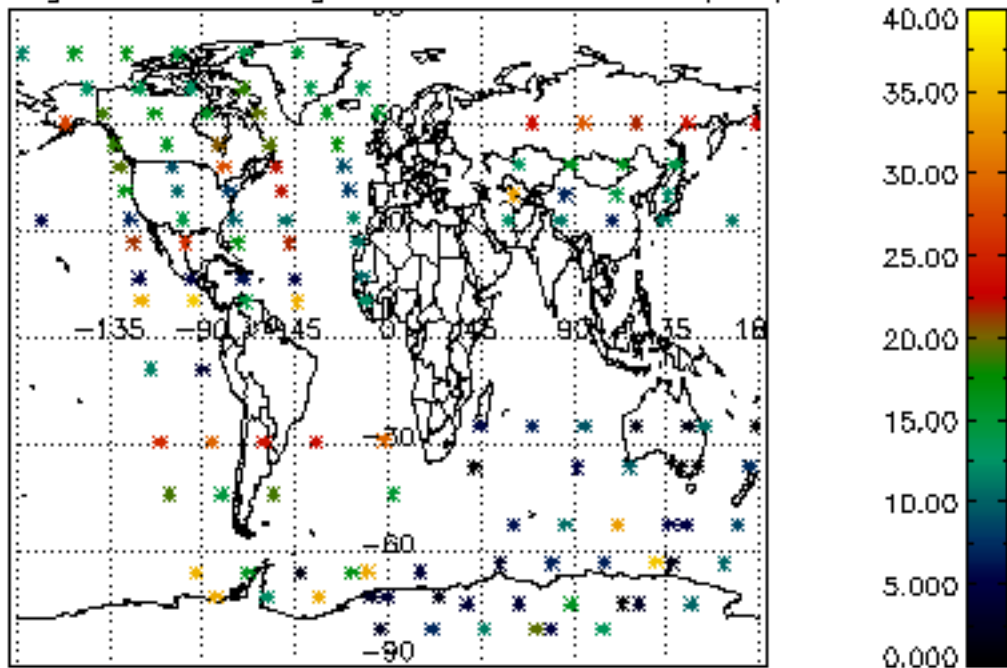
Percentage of cosmic ray hits per profile



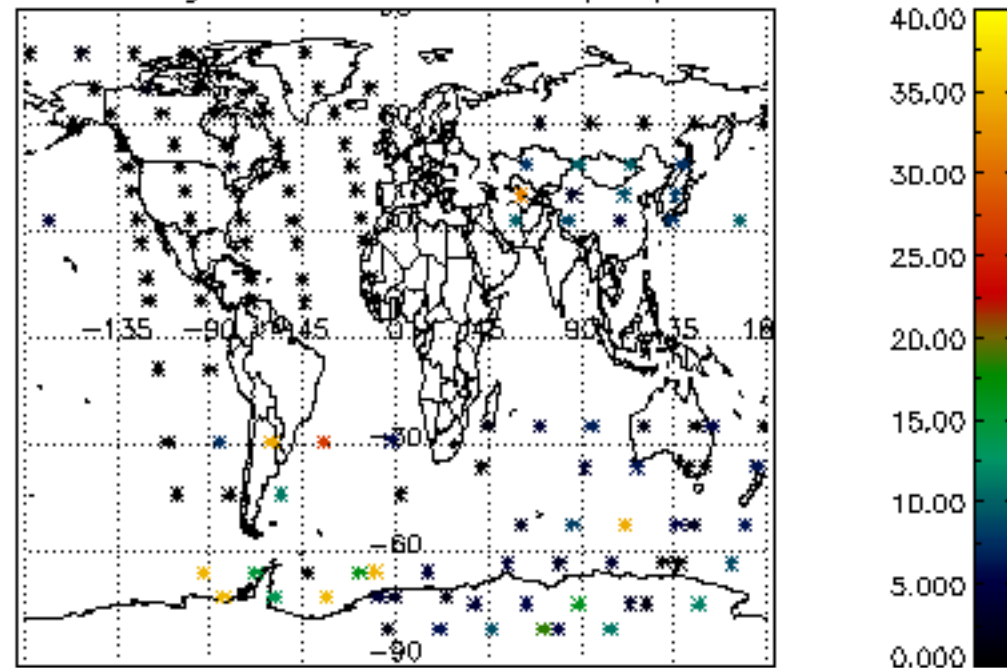
Percentage of datation errors per profile



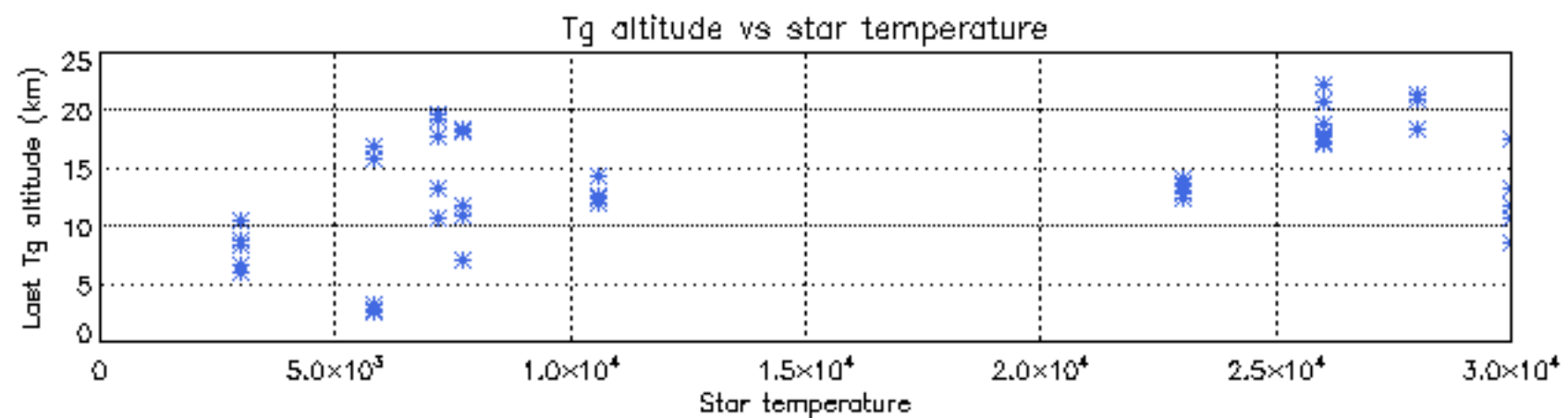
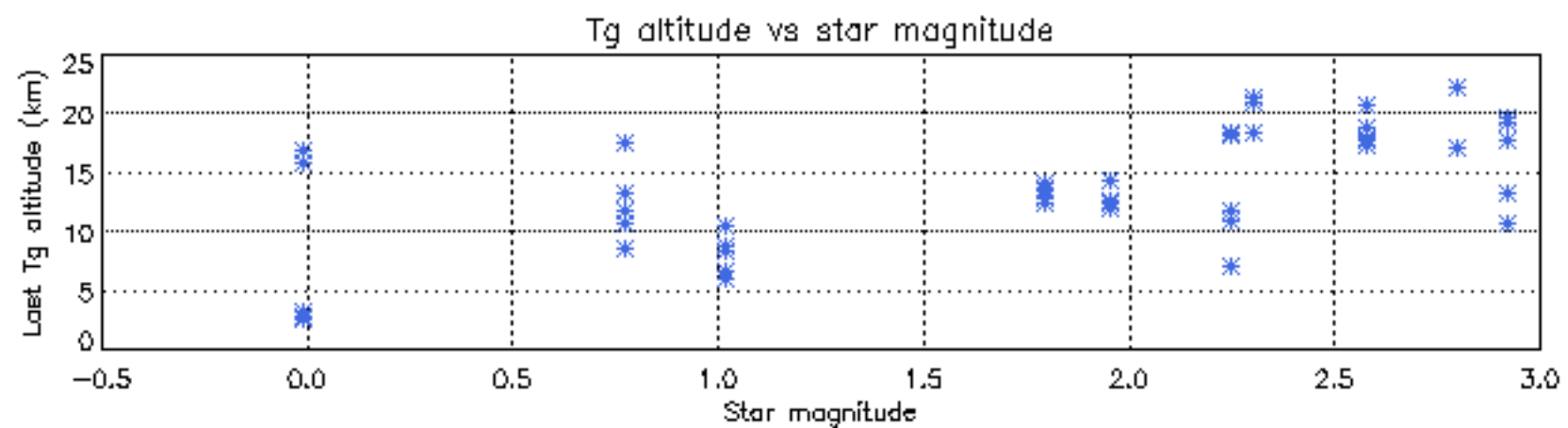
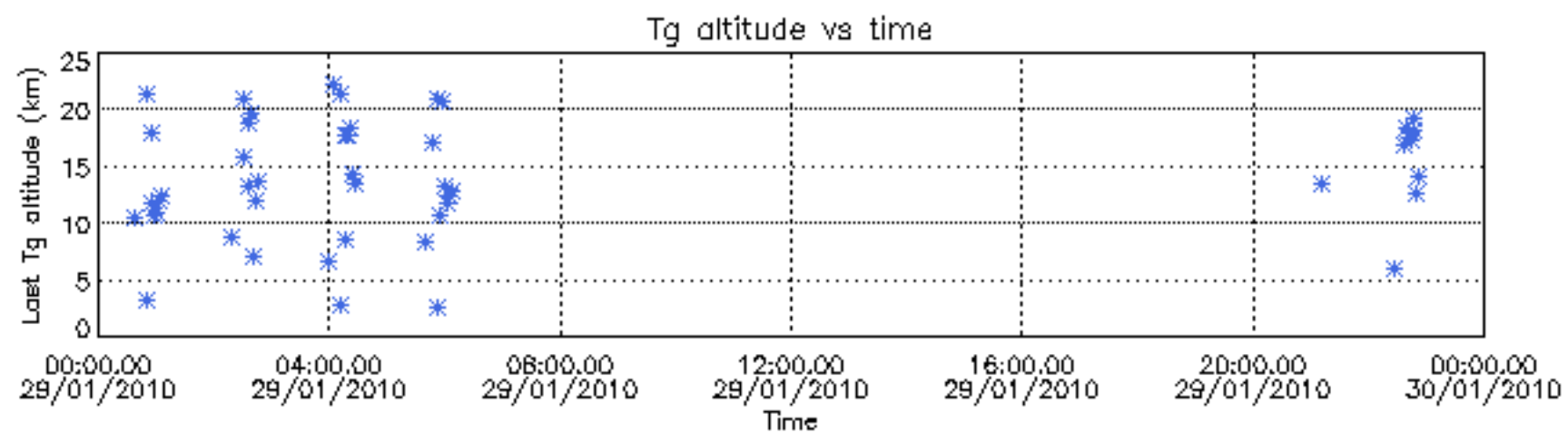
Percentage of star falling outside central band per profile



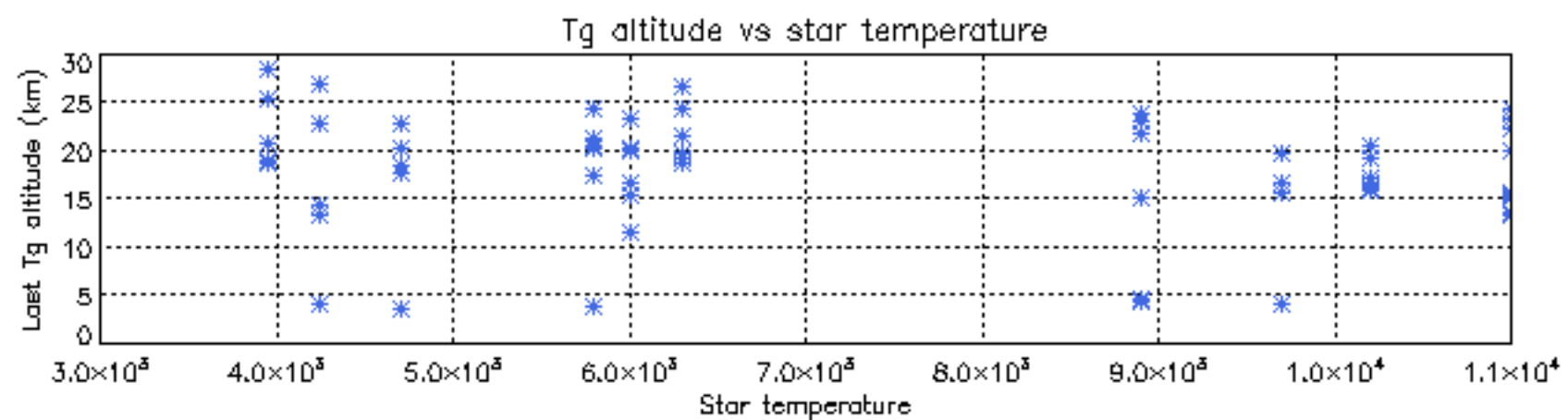
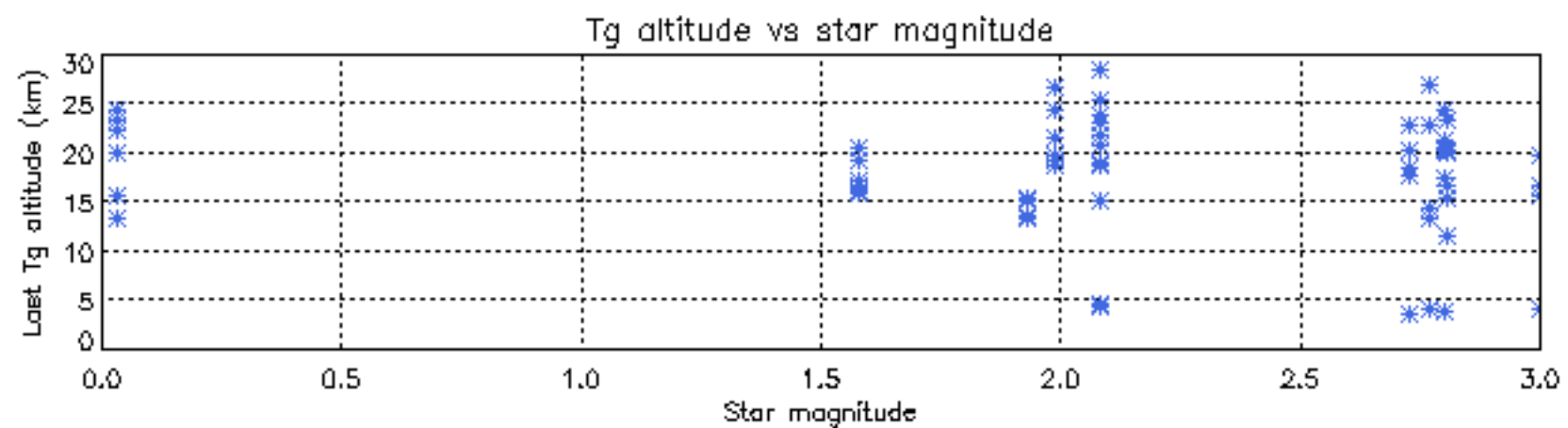
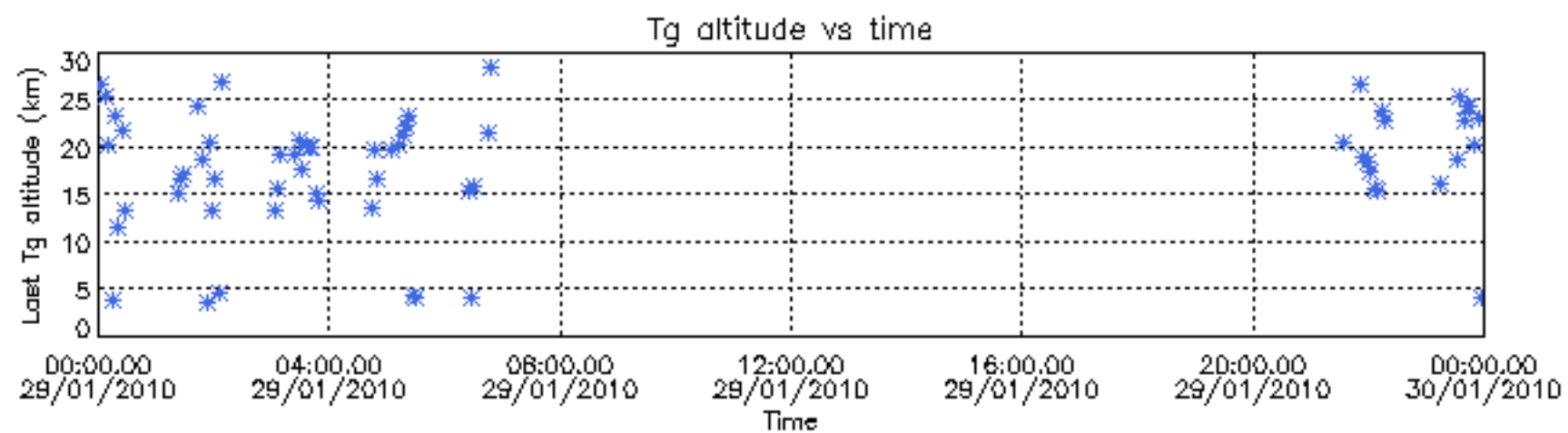
Percentage of saturation errors per profile

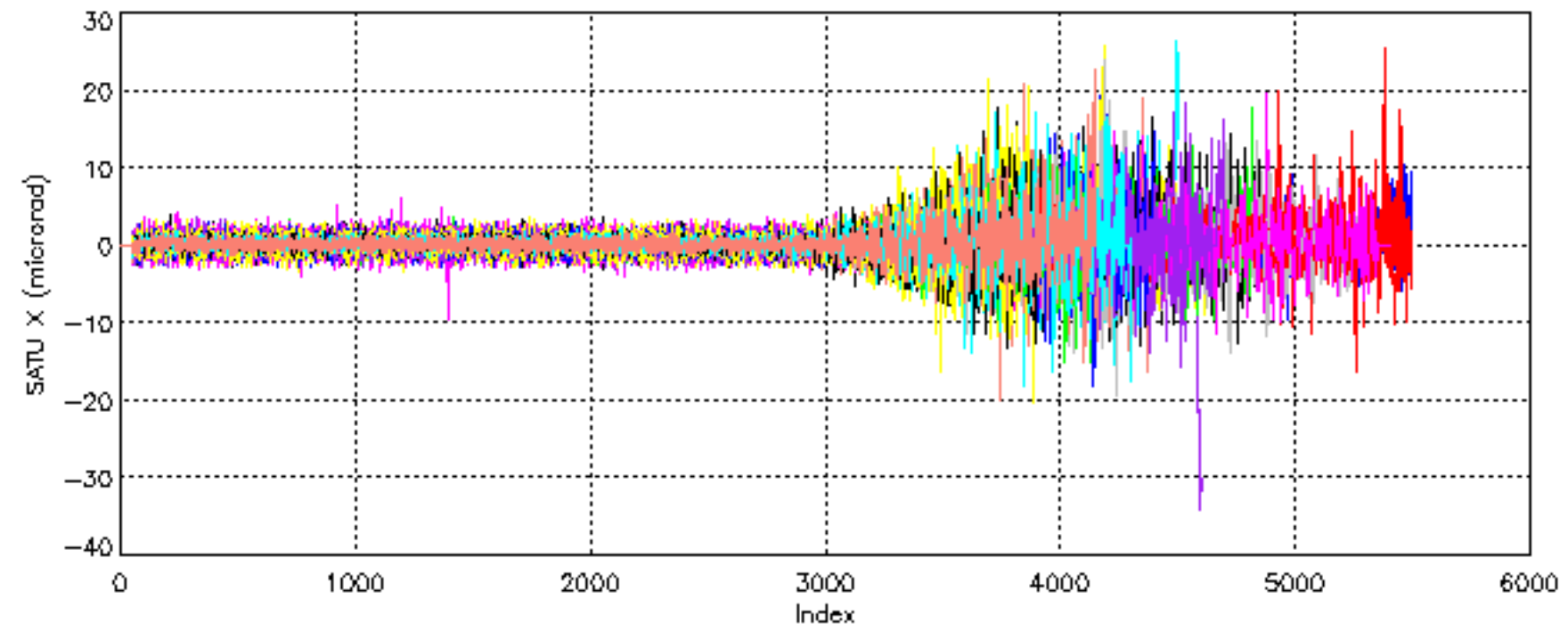


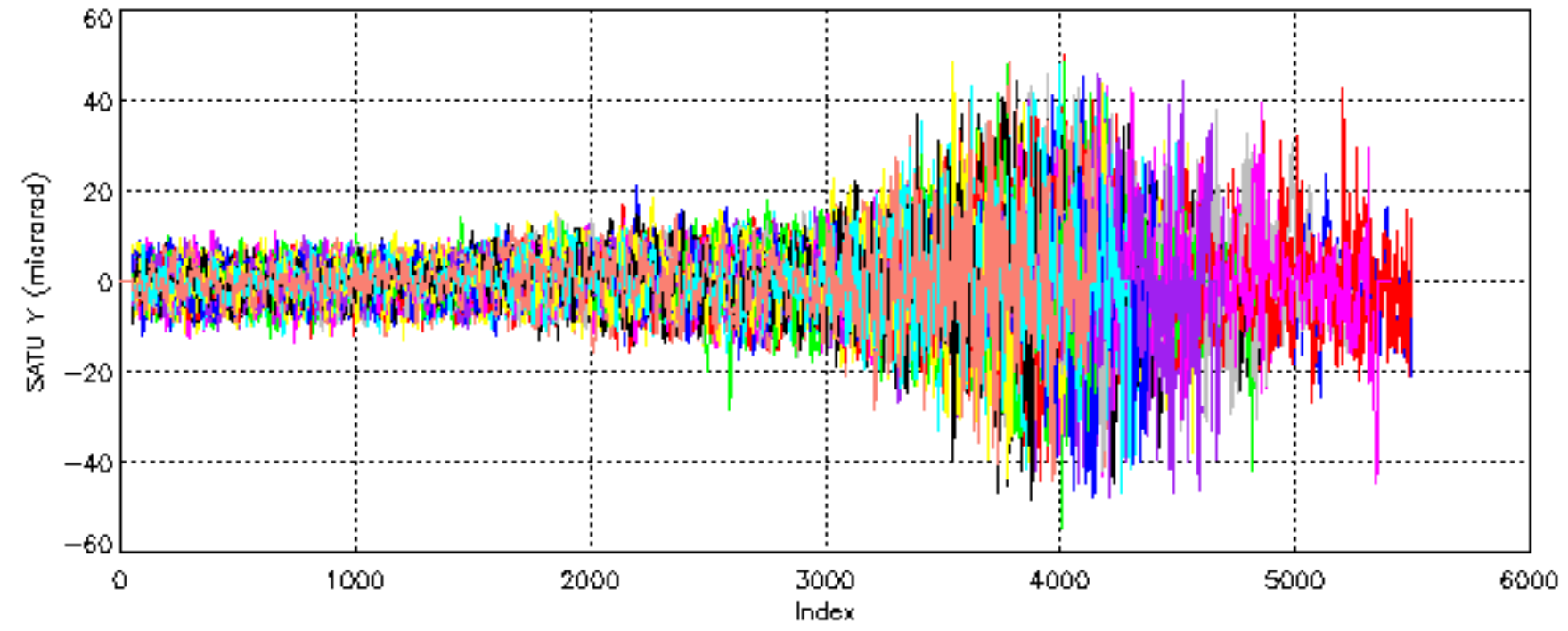
Tangent altitude at which the star is lost

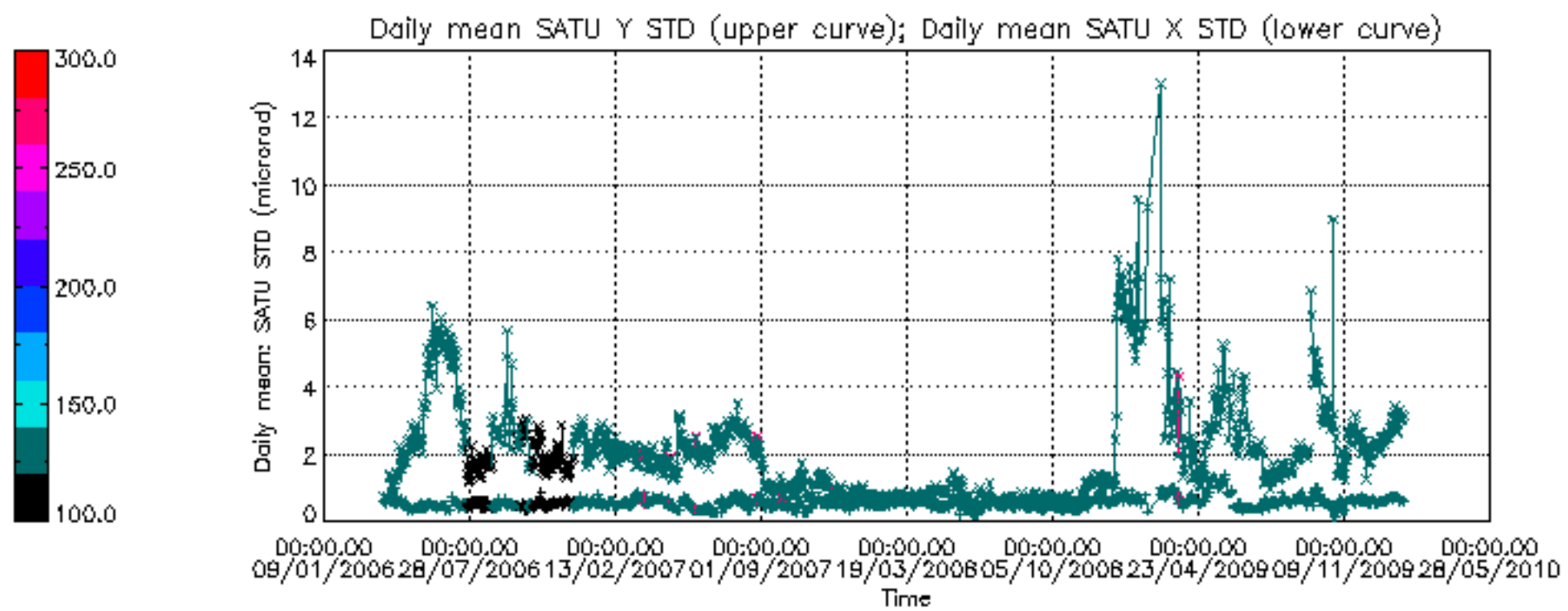


Tangent altitude at which the star is lost









/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

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1;	-838.1;	01-JAN-2010	01:52:36;	Bright;	;	56.0;	104;	27Bet Lib	;	2.61;	13100;	occ;	112;	7;	40981
2;	-681.9;	01-JAN-2010	01:55:13;	Dark	;	43.5;	122;	9Alp2Lib	;	2.75;	9700;	occ;	87;	0;	40981
3;	-268.9;	01-JAN-2010	02:02:06;	Dark	;	54.0;	54;	5The Cen	;	2.06;	4500;	occ;	108;	0;	40981
4;	-102.9;	01-JAN-2010	02:04:52;	Dark	;	39.5;	95;	Zet Cen	;	2.55;	26000;	occ;	79;	0;	40981
5;	1.6;	01-JAN-2010	02:06:36;	Dark	;	39.5;	77;	Eps Cen	;	2.30;	28000;	occ;	79;	0;	40982
6;	107.0;	01-JAN-2010	02:08:22;	Dark	;	44.0;	64;	Gam Cen	;	2.20;	10600;	occ;	88;	0;	40982
7;	210.8;	01-JAN-2010	02:10:05;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	40982
8;	477.2;	01-JAN-2010	02:14:32;	Dark	;	48.0;	113;	Mu Vel	;	2.69;	5000;	occ;	96;	0;	40982
9;	631.0;	01-JAN-2010	02:17:05;	Dark	;	41.0;	71;	Iot Car	;	2.25;	7700;	occ;	82;	0;	40982
10;	745.4;	01-JAN-2010	02:19:00;	Dark	;	46.0;	46;	Del Vel	;	1.95;	10600;	occ;	92;	0;	40982
11;	916.7;	01-JAN-2010	02:21:51;	Dark	;	46.0;	34;	Gam2Vel	;	1.79;	23000;	occ;	92;	0;	40982
12;	1048.4;	01-JAN-2010	02:24:03;	Dark	;	48.5;	70;	Zet Pup	;	2.25;	39000;	occ;	97;	0;	40982
13;	1172.7;	01-JAN-2010	02:26:07;	Dark	;	48.0;	117;	Pi Pup	;	2.71;	3800;	occ;	96;	0;	40982
14;	1340.9;	01-JAN-2010	02:28:55;	Dark	;	46.5;	23;	21Eps CMA	;	1.50;	26000;	occ;	93;	0;	40982
15;	1433.4;	01-JAN-2010	02:30:28;	Dark	;	45.0;	179;	240mi2CMA	;	3.03;	24000;	occ;	90;	0;	40982
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
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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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25; 1881.8; 01-JAN-2010 05:59:08; Dark ; 42.0; 30; 46Eps Ori ; 1.69; 30000;occ; 84; 0;40984
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26;	6256.0;	01-JAN-2010	18:56:14;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	40991
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28;	6672.3;	01-JAN-2010	19:03:10;	Dark	;	49.5;	71;	Iot Car	;	2.25;	7700;occ;	99;	0;	40991
29;	6786.7;	01-JAN-2010	19:05:05;	Dark	;	45.5;	46;	Del Vel	;	1.95;	10600;occ;	91;	0;	40991
30;	6957.9;	01-JAN-2010	19:07:56;	Dark	;	43.0;	34;	Gam2Vel	;	1.79;	23000;occ;	86;	0;	40991

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2;	1053.7;	01-JAN-2010	19:10:08;	Dark	;	45.5;	70;	Zet Pup	;	2.25;	39000;occ;	91;	0;	40992
3;	1176.5;	01-JAN-2010	19:12:10;	Dark	;	47.0;	117;	Pi Pup	;	2.71;	3800;occ;	94;	0;	40992
4;	1343.9;	01-JAN-2010	19:14:58;	Dark	;	45.0;	23;	21Eps CMA	;	1.50;	26000;occ;	90;	0;	40992
5;	1435.6;	01-JAN-2010	19:16:30;	Dark	;	44.5;	179;	240mi2CMA	;	3.03;	24000;occ;	89;	0;	40992
6;	1583.1;	01-JAN-2010	19:18:57;	Dark	;	49.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	98;	0;	40992
7;	1732.0;	01-JAN-2010	19:21:26;	Dark	;	41.5;	56;	53Kap Ori	;	2.07;	30000;occ;	83;	0;	40992
8;	1868.3;	01-JAN-2010	19:23:42;	Dark	;	40.5;	33;	50Zet Ori	;	1.77;	30000;occ;	81;	0;	40992
9;	2032.0;	01-JAN-2010	19:26:26;	Dark	;	49.5;	14;	58Alp Ori	;	0.87;	3000;occ;	99;	0;	40992
10;	2225.6;	01-JAN-2010	19:29:40;	Dark	;	50.5;	44;	24Gam Gem	;	1.93;	11000;occ;	101;	0;	40992
11;	2324.0;	01-JAN-2010	19:31:18;	Bright;	;	45.0;	151;	13Mu Gem	;	2.89;	3000;occ;	90;	0;	40992
12;	2564.1;	01-JAN-2010	19:35:18;	Bright;	;	39.0;	107;	37The Aur	;	2.65;	11000;occ;	78;	0;	40992
13;	2691.5;	01-JAN-2010	19:37:25;	Bright;	;	42.0;	6;	13Alp Aur	;	0.08;	3400;occ;	84;	0;	40992
14;	3689.7;	01-JAN-2010	19:54:04;	Bright;	;	35.0;	60;	7Bet UMi	;	2.08;	3950;occ;	70;	0;	40992
15;	3906.9;	01-JAN-2010	19:57:41;	Bright;	;	51.5;	32;	77Eps UMa	;	1.76;	11000;occ;	103;	0;	40992
16;	4106.5;	01-JAN-2010	20:01:00;	Bright;	;	45.5;	39;	85Eta UMa	;	1.85;	24000;occ;	91;	0;	40992
17;	4353.4;	01-JAN-2010	20:05:07;	Bright;	;	41.0;	180;	27Gam Boo	;	3.04;	8000;occ;	82;	0;	40992
18;	4576.7;	01-JAN-2010	20:08:51;	Bright;	;	62.0;	83;		;	2.38;	11000;occ;	124;	0;	40992
19;	4894.2;	01-JAN-2010	20:14:08;	Bright;	;	36.0;	102;	24Alp Ser	;	2.60;	4250;occ;	72;	0;	40992
20;	5199.4;	01-JAN-2010	20:19:13;	Bright;	;	56.0;	104;	27Bet Lib	;	2.61;	13100;occ;	112;	0;	40992
21;	5360.4;	01-JAN-2010	20:21:54;	Dark	;	46.5;	122;	9Alp2Lib	;	2.75;	9700;occ;	93;	0;	40992
22;	5775.3;	01-JAN-2010	20:28:49;	Dark	;	47.5;	54;	5The Cen	;	2.06;	4500;occ;	95;	0;	40992
23;	5939.7;	01-JAN-2010	20:31:34;	Dark	;	39.5;	95;	Zet Cen	;	2.55;	26000;occ;	79;	0;	40992
24;	6043.9;	01-JAN-2010	20:33:18;	Dark	;	39.0;	77;	Eps Cen	;	2.30;	28000;occ;	78;	0;	40992
25;	6152.1;	01-JAN-2010	20:35:06;	Dark	;	44.5;	64;	Gam Cen	;	2.20;	10600;occ;	89;	0;	40992
26;	6256.9;	01-JAN-2010	20:36:51;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	40992
27;	6522.9;	01-JAN-2010	20:41:17;	Dark	;	47.5;	113;	Mu Vel	;	2.69;	5000;occ;	95;	0;	40992
28;	6672.9;	01-JAN-2010	20:43:47;	Dark	;	44.0;	71;	Iot Car	;	2.25;	7700;occ;	88;	0;	40992
29;	6787.2;	01-JAN-2010	20:45:41;	Dark	;	53.5;	46;	Del Vel	;	1.95;	10600;occ;	107;	0;	40992
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2;	-673.4;	02-JAN-2010	01:23:44;	Dark	;	46.5;	122;	9Alp2Lib	;	2.75;	9700;occ;	93;	0;	40995
3;	-258.3;	02-JAN-2010	01:30:39;	Dark	;	49.5;	54;	5The Cen	;	2.06;	4500;occ;	99;	0;	40995
4;	-94.1;	02-JAN-2010	01:33:23;	Dark	;	39.5;	95;	Zet Cen	;	2.55;	26000;occ;	79;	0;	40995
5;	9.7;	02-JAN-2010	01:35:07;	Dark	;	42.5;	77;	Eps Cen	;	2.30;	28000;occ;	85;	0;	40996

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6; 118.6; 02-JAN-2010 01:36:56; Dark ; 48.5; 64; Gam Cen ; 2.20; 10600;occ; 97; 0;40996
7; 223.8; 02-JAN-2010 01:38:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40996
8; 489.6; 02-JAN-2010 01:43:07; Dark ; 48.5; 113; Mu Vel ; 2.69; 5000;occ; 97; 0;40996
9; 638.5; 02-JAN-2010 01:45:36; Dark ; 48.0; 71; Iot Car ; 2.25; 7700;occ; 96; 0;40996
10; 753.0; 02-JAN-2010 01:47:30; Dark ; 41.5; 46; Del Vel ; 1.95; 10600;occ; 83; 0;40996
11; 924.0; 02-JAN-2010 01:50:21; Dark ; 42.0; 34; Gam2Vel ; 1.79; 23000;occ; 84; 0;40996
12; 1055.5; 02-JAN-2010 01:52:33; Dark ; 46.0; 70; Zet Pup ; 2.25; 39000;occ; 92; 0;40996
13; 1177.7; 02-JAN-2010 01:54:35; Dark ; 46.5; 117; Pi Pup ; 2.71; 3800;occ; 93; 0;40996
14; 1344.6; 02-JAN-2010 01:57:22; Dark ; 46.5; 23; 21Eps CMA ; 1.50; 26000;occ; 93; 0;40996
15; 1436.7; 02-JAN-2010 01:58:54; Dark ; 45.0; 179; 240mi2CMA ; 3.03; 24000;occ; 90; 0;40996
16; 1583.2; 02-JAN-2010 02:01:21; Dark ; 48.0; 1; 9Alp CMA ; -1.44; 11000;occ; 96; 0;40996
17; 1732.3; 02-JAN-2010 02:03:50; Dark ; 40.5; 56; 53Kap Ori ; 2.07; 30000;occ; 81; 0;40996
18; 1868.4; 02-JAN-2010 02:06:06; Dark ; 40.5; 33; 50Zet Ori ; 1.77; 30000;occ; 81; 0;40996
19; 2032.0; 02-JAN-2010 02:08:49; Dark ; 54.0; 14; 58Alp Ori ; 0.87; 3000;occ; 108; 0;40996
20; 2224.4; 02-JAN-2010 02:12:02; Dark ; 50.0; 44; 24Gam Gem ; 1.93; 11000;occ; 100; 0;40996
21; 2322.9; 02-JAN-2010 02:13:40; Bright; 50.0; 151; 13Mu Gem ; 2.89; 3000;occ; 100; 0;40996
22; 2563.2; 02-JAN-2010 02:17:41; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;40996
23; 2691.3; 02-JAN-2010 02:19:49; Bright; 43.0; 6; 13Alp Aur ; 0.08; 3400;occ; 86; 0;40996
24; 3689.6; 02-JAN-2010 02:36:27; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;40996
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2; -1930.3; 02-JAN-2010 02:43:23; Bright; 48.5; 39; 85Eta UMa ; 1.85; 24000;occ; 97; 0;40996
3; -1682.3; 02-JAN-2010 02:47:31; Bright; 63.0; 180; 27Gam Boo ; 3.04; 8000;occ; 126; 0;40996
4; -1458.2; 02-JAN-2010 02:51:15; Bright; 62.0; 83; ; 2.38; 11000;occ; 124; 0;40996
5; -1258.3; 02-JAN-2010 02:54:35; Bright; 54.5; 3; 16Alp Boo ; -0.05; 4250;occ; 109; 0;40996
6; -1140.7; 02-JAN-2010 02:56:33; Bright; 35.0; 102; 24Alp Ser ; 2.60; 4250;occ; 70; 0;40996
7; -834.4; 02-JAN-2010 03:01:39; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;40996
8; -672.9; 02-JAN-2010 03:04:21; Dark ; 45.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 90; 0;40996
9; -257.5; 02-JAN-2010 03:11:16; Dark ; 51.0; 54; 5The Cen ; 2.06; 4500;occ; 102; 0;40996
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11; 10.4; 02-JAN-2010 03:15:44; Dark ; 43.0; 77; Eps Cen ; 2.30; 28000;occ; 86; 0;40997
12; 119.5; 02-JAN-2010 03:17:33; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;40997
13; 224.7; 02-JAN-2010 03:19:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40997
14; 490.4; 02-JAN-2010 03:23:44; Dark ; 53.5; 113; Mu Vel ; 2.69; 5000;occ; 107; 0;40997
15; 639.1; 02-JAN-2010 03:26:13; Dark ; 46.5; 71; Iot Car ; 2.25; 7700;occ; 93; 0;40997
16; 753.6; 02-JAN-2010 03:28:07; Dark ; 46.5; 46; Del Vel ; 1.95; 10600;occ; 93; 0;40997
17; 924.4; 02-JAN-2010 03:30:58; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;40997
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19; 1178.3; 02-JAN-2010 03:35:12; Dark ; 45.0; 117; Pi Pup ; 2.71; 3800;occ; 90; 0;40997
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21; 1437.0; 02-JAN-2010 03:39:30; Dark ; 45.5; 179; 240mi2CMA ; 3.03; 24000;occ; 91; 0;40997
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24; 1868.4; 02-JAN-2010 03:46:42; Dark ; 42.5; 33; 50Zet Ori ; 1.77; 30000;occ; 85; 0;40997
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27; 2322.8; 02-JAN-2010 03:54:16; Bright; 46.5; 151; 13Mu Gem ; 2.89; 3000;occ; 93; 0;40997
28; 2563.2; 02-JAN-2010 03:58:17; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;40997
29; 2691.3; 02-JAN-2010 04:00:25; Bright; 41.0; 6; 13Alp Aur ; 0.08; 3400;occ; 82; 0;40997
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2; -2130.9; 02-JAN-2010 04:20:39; Bright; 45.5; 32; 77Eps UMa ; 1.76; 11000;occ; 91; 0;40997
3; -1930.3; 02-JAN-2010 04:23:59; Bright; 45.5; 39; 85Eta UMa ; 1.85; 24000;occ; 91; 0;40997
4; -1682.5; 02-JAN-2010 04:28:07; Bright; 57.5; 180; 27Gam Boo ; 3.04; 8000;occ; 115; 0;40997
5; -1458.0; 02-JAN-2010 04:31:51; Bright; 62.0; 83; ; 2.38; 11000;occ; 124; 0;40997
6; -1257.8; 02-JAN-2010 04:35:12; Bright; 54.5; 3; 16Alp Boo ; -0.05; 4250;occ; 109; 0;40997
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10; -256.9; 02-JAN-2010 04:51:53; Dark ; 47.0; 54; 5The Cen ; 2.06; 4500;occ; 94; 0;40997
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12; 11.0; 02-JAN-2010 04:56:20; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;40998
13; 120.5; 02-JAN-2010 04:58:10; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;40998
14; 225.6; 02-JAN-2010 04:59:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40998
15; 491.4; 02-JAN-2010 05:04:21; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;40998
16; 639.6; 02-JAN-2010 05:06:49; Dark ; 47.5; 71; Iot Car ; 2.25; 7700;occ; 95; 0;40998
17; 754.1; 02-JAN-2010 05:08:44; Dark ; 46.0; 46; Del Vel ; 1.95; 10600;occ; 92; 0;40998
18; 925.0; 02-JAN-2010 05:11:34; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;40998

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22; 1437.2; 02-JAN-2010 05:20:07; Dark ; 46.5; 179; 240mi2CMA ; 3.03; 24000;occ; 93; 0;40998
23; 1583.6; 02-JAN-2010 05:22:33; Dark ; 52.5; 1; 9Alp CMA ; -1.44; 11000;occ; 105; 0;40998
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25; 1868.6; 02-JAN-2010 05:27:18; Dark ; 42.0; 33; 50Zet Ori ; 1.77; 30000;occ; 84; 0;40998
26; 2032.1; 02-JAN-2010 05:30:02; Dark ; 48.0; 14; 58Alp Ori ; 0.87; 3000;occ; 96; 0;40998
27; 2223.7; 02-JAN-2010 05:33:13; Dark ; 50.5; 44; 24Gam Gem ; 1.93; 11000;occ; 101; 0;40998
28; 2322.4; 02-JAN-2010 05:34:52; Bright; 47.5; 151; 13Mu Gem ; 2.89; 3000;occ; 95; 0;40998
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4; 1347.7; 02-JAN-2010 20:24:01; Dark ; 47.0; 23; 21Eps CMA ; 1.50; 26000;occ; 94; 0;41007
5; 1439.4; 02-JAN-2010 20:25:32; Dark ; 43.5; 179; 240mi2CMA ; 3.03; 24000;occ; 87; 0;41007
6; 1584.9; 02-JAN-2010 20:27:58; Dark ; 49.5; 1; 9Alp CMA ; -1.44; 11000;occ; 99; 0;41007
7; 2031.6; 02-JAN-2010 20:35:25; Dark ; 50.5; 14; 58Alp Ori ; 0.87; 3000;occ; 101; 0;41007
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11; 2690.6; 02-JAN-2010 20:46:24; Bright; 41.0; 6; 13Alp Aur ; 0.08; 3400;occ; 82; 0;41007
12; 3688.4; 02-JAN-2010 21:03:01; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;41007
13; 3900.6; 02-JAN-2010 21:06:34; Bright; 50.5; 32; 77Eps UMa ; 1.76; 11000;occ; 101; 0;41007
14; 4103.5; 02-JAN-2010 21:09:56; Bright; 48.5; 39; 85Eta UMa ; 1.85; 24000;occ; 97; 0;41007
15; 4353.9; 02-JAN-2010 21:14:07; Bright; 42.5; 180; 27Gam Boo ; 3.04; 8000;occ; 85; 0;41007
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17; 4782.6; 02-JAN-2010 21:21:15; Bright; 56.0; 3; 16Alp Boo ; -0.05; 4250;occ; 112; 0;41007
18; 4898.7; 02-JAN-2010 21:23:12; Bright; 36.0; 102; 24Alp Ser ; 2.60; 4250;occ; 72; 0;41007
19; 5207.0; 02-JAN-2010 21:28:20; Bright; 49.5; 104; 27Bet Lib ; 2.61; 13100;occ; 99; 0;41007
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5; 16.7; 02-JAN-2010 21:42:26; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;41008
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23; 3900.4; 02-JAN-2010 22:47:09; Bright; 58.0; 32; 77Eps UMa ; 1.76; 11000;occ; 116; 0;41008
24; 4103.2; 02-JAN-2010 22:50:32; Bright; 67.0; 39; 85Eta UMa ; 1.85; 24000;occ; 134; 0;41008
25; 4353.6; 02-JAN-2010 22:54:42; Bright; 41.5; 180; 27Gam Boo ; 3.04; 8000;occ; 83; 0;41008
26; 4580.0; 02-JAN-2010 22:58:29; Bright; 63.0; 83; ; 2.38; 11000;occ; 126; 0;41008
27; 4783.1; 02-JAN-2010 23:01:52; Bright; 57.0; 3; 16Alp Boo ; -0.05; 4250;occ; 114; 0;41008
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9;	930.5;	02-JAN-2010	23:38:15;	Dark	;	46.5;	34;	Gam2Vel	;	1.79;	23000;occ;	93;	0;41009
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11;	1182.5;	02-JAN-2010	23:42:27;	Dark	;	46.0;	117;	Pi Pup	;	2.71;	3800;occ;	92;	0;41009
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13;	1439.7;	02-JAN-2010	23:46:44;	Dark	;	44.5;	179;	240mi2CMA	;	3.03;	24000;occ;	89;	0;41009
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16;	2220.3;	02-JAN-2010	23:59:45;	Dark	;	51.0;	44;	24Gam Gem	;	1.93;	11000;occ;	102;	0;41009
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
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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
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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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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
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9;	3904.1;	02-JAN-2010	07:41:50;	Bright;	;	46.5;	32;	77Eps UMA	;	1.76;	11000;occ;	93;	0;40999
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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
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 7; 513.4; 03-JAN-2010 22:59:41; Dark ; 49.0; 113; Mu Vel ; 2.69; 5000;occ; 98; 0;41023
 8; 652.6; 03-JAN-2010 23:02:00; Dark ; 47.5; 71; Iot Car ; 2.25; 7700;occ; 95; 0;41023
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26; 4583.5; 04-JAN-2010 00:07:31; Bright; 64.0; 83; ; 2.38; 11000;occ; 128; 0;41023
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27; 7385.7; 03-JAN-2010 09:48:50; Dark ; 44.5; 23; 21Eps CMa ; 1.50; 26000;occ; 89; 0;41014
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 3; 2214.7; 04-JAN-2010 09:31:38; Dark ; 44.0; 44; 24Gam Gem ; 1.93; 11000;occ; 88; 0;41029
 4; 2314.1; 04-JAN-2010 09:33:17; Bright; 58.0; 151; 13Mu Gem ; 2.89; 3000;occ; 116; 0;41029

5; 2556.5; 04-JAN-2010 09:37:20; Bright; 39.0; 107; 37The Aur ; 2.65; 11000;occ; 78; 0;41029
6; 2689.8; 04-JAN-2010 09:39:33; Bright; 38.0; 42; 34Bet Aur ; 1.90; 10200;occ; 76; 0;41029
7; 3686.2; 04-JAN-2010 09:56:09; Bright; 43.0; 60; 7Bet UMi ; 2.08; 3950;occ; 86; 0;41029
8; 3955.0; 04-JAN-2010 10:00:38; Bright; 49.5; 55; 79Zet UMa ; 2.06; 10200;occ; 99; 0;41029
9; 4098.3; 04-JAN-2010 10:03:02; Bright; 48.0; 39; 85Eta UMa ; 1.85; 24000;occ; 96; 0;41029
10; 4354.4; 04-JAN-2010 10:07:18; Bright; 44.5; 180; 27Gam Boo ; 3.04; 8000;occ; 89; 0;41029
11; 4585.1; 04-JAN-2010 10:11:08; Bright; 43.5; 83; ; 2.38; 11000;occ; 87; 0;41029
12; 4905.7; 04-JAN-2010 10:16:29; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;41029
13; 5218.0; 04-JAN-2010 10:21:41; Bright; 51.0; 104; 27Bet Lib ; 2.61; 13100;occ; 102; 0;41029
14; 5384.3; 04-JAN-2010 10:24:28; Dark ; 46.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 92; 0;41029
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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; 24Omi2CMa ; 3.03; 24000;occ; 87; 0;41029
28; 7623.3; 04-JAN-2010 11:01:47; Dark ; 17.0; 1; 9Alp CMa ; -1.44; 11000;occ; 34; 0;41029

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4; 2313.9; 04-JAN-2010 11:13:53; Bright; 45.5; 151; 13Mu Gem ; 2.89; 3000;occ; 91; 0;41030
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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
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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; 24Omi2CMa ; 3.03; 24000;occ; 86; 0;41030

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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
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 21; 6807.8; 04-JAN-2010 14:09:23; Dark ; 39.0; 46; Del Vel ; 1.95; 10600;occ; 78; 0;41031
 22; 6977.7; 04-JAN-2010 14:12:13; Dark ; 45.5; 34; Gam2Vel ; 1.79; 23000;occ; 91; 0;41031
 23; 7108.7; 04-JAN-2010 14:14:24; Dark ; 46.5; 70; Zet Pup ; 2.25; 39000;occ; 93; 0;41031
 24; 7226.6; 04-JAN-2010 14:16:22; Dark ; 46.5; 117; Pi Pup ; 2.71; 3800;occ; 93; 0;41031
 25; 7390.2; 04-JAN-2010 14:19:05; Dark ; 44.5; 23; 21Eps CMa ; 1.50; 26000;occ; 89; 0;41031
 26; 7480.6; 04-JAN-2010 14:20:36; Dark ; 41.0; 179; 240mi2CMa ; 3.03; 24000;occ; 82; 0;41031

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 2; 1588.0; 04-JAN-2010 14:22:59; Dark ; 50.5; 1; 9Alp CMa ; -1.44; 11000;occ; 101; 0;41032
 3; 2031.2; 04-JAN-2010 14:30:22; Dark ; 51.0; 14; 58Alp Ori ; 0.87; 3000;occ; 102; 0;41032
 4; 2214.0; 04-JAN-2010 14:33:25; Dark ; 49.5; 44; 24Gam Gem ; 1.93; 11000;occ; 99; 0;41032
 5; 2313.6; 04-JAN-2010 14:35:05; Bright; 46.0; 151; 13Mu Gem ; 2.89; 3000;occ; 92; 0;41032
 6; 2555.9; 04-JAN-2010 14:39:07; Bright; 55.0; 107; 37The Aur ; 2.65; 11000;occ; 110; 0;41032
 7; 2689.5; 04-JAN-2010 14:41:20; Bright; 39.5; 42; 34Bet Aur ; 1.90; 10200;occ; 79; 0;41032
 8; 3685.6; 04-JAN-2010 14:57:57; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;41032
 9; 3954.3; 04-JAN-2010 15:02:25; Bright; 49.0; 55; 79Zet UMa ; 2.06; 10200;occ; 98; 0;41032
 10; 4354.6; 04-JAN-2010 15:09:06; Bright; 65.0; 180; 27Gam Boo ; 3.04; 8000;occ; 130; 0;41032
 11; 4585.6; 04-JAN-2010 15:12:57; Bright; 43.5; 83; ; 2.38; 11000;occ; 87; 0;41032
 12; 4907.0; 04-JAN-2010 15:18:18; Bright; 36.5; 102; 24Alp Ser ; 2.60; 4250;occ; 73; 0;41032
 13; 5219.5; 04-JAN-2010 15:23:30; Bright; 39.5; 104; 27Bet Lib ; 2.61; 13100;occ; 79; 0;41032
 14; 5386.6; 04-JAN-2010 15:26:18; Dark ; 44.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 88; 0;41032
 15; 5806.1; 04-JAN-2010 15:33:17; Dark ; 49.0; 54; 5The Cen ; 2.06; 4500;occ; 98; 0;41032
 16; 5965.9; 04-JAN-2010 15:35:57; Dark ; 40.5; 95; Zet Cen ; 2.55; 26000;occ; 81; 0;41032
 17; 6067.7; 04-JAN-2010 15:37:39; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;41032
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 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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 3; 1588.1; 04-JAN-2010 16:03:35; Dark ; 49.5; 1; 9Alp CMa ; -1.44; 11000;occ; 99; 0;41033
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 6; 2313.1; 04-JAN-2010 16:15:40; Bright; 47.0; 151; 13Mu Gem ; 2.89; 3000;occ; 94; 0;41033
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 9; 3685.3; 04-JAN-2010 16:38:32; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;41033
 10; 3953.8; 04-JAN-2010 16:43:01; Bright; 53.5; 55; 79Zet UMa ; 2.06; 10200;occ; 107; 0;41033
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 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
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 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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 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
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8; 2313.1; 04-JAN-2010 17:56:16; Bright; 48.5; 151; 13Mu Gem ; 2.89; 3000;occ; 97; 0;41034
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10; 2688.8; 04-JAN-2010 18:02:32; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;41034
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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
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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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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
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13; 1362.3; 07-JAN-2010 01:00:11; Dark ; 46.0; 23; 21Eps CMa ; 1.50; 26000;occ; 92; 0;41067
14; 1451.5; 07-JAN-2010 01:01:40; Dark ; 40.5; 179; 240mi2CMa ; 3.03; 24000;occ; 81; 0;41067
15; 1592.0; 07-JAN-2010 01:04:00; Dark ; 46.5; 1; 9Alp CMa ; -1.44; 11000;occ; 93; 0;41067
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17; 2205.4; 07-JAN-2010 01:14:14; Dark ; 47.5; 44; 24Gam Gem ; 1.93; 11000;occ; 95; 0;41067
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19; 2549.6; 07-JAN-2010 01:19:58; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;41067
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21; 3681.1; 07-JAN-2010 01:38:50; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;41067
22; 3924.3; 07-JAN-2010 01:42:53; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;41067
23; 4088.4; 07-JAN-2010 01:45:37; Bright; 44.5; 39; 85Eta UMa ; 1.85; 24000;occ; 89; 0;41067
24; 4354.9; 07-JAN-2010 01:50:03; Bright; 62.0; 180; 27Gam Boo ; 3.04; 8000;occ; 124; 0;41067
25; 4593.8; 07-JAN-2010 01:54:02; Bright; 67.0; 83; ; 2.38; 11000;occ; 134; 0;41067
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5; 53.0; 07-JAN-2010 02:18:57; Dark ; 39.5; 77; Eps Cen ; 2.30; 28000;occ; 79; 0;41068
6; 215.6; 07-JAN-2010 02:21:40; Dark ; 41.5; 20; Bet Cru ; 1.25; 30000;occ; 83; 0;41068
7; 291.2; 07-JAN-2010 02:22:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41068
8; 552.3; 07-JAN-2010 02:27:17; Dark ; 49.5; 113; Mu Vel ; 2.69; 5000;occ; 99; 0;41068
9; 675.6; 07-JAN-2010 02:29:20; Dark ; 48.5; 71; Iot Car ; 2.25; 7700;occ; 97; 0;41068
10; 789.7; 07-JAN-2010 02:31:14; Dark ; 43.5; 46; Del Vel ; 1.95; 10600;occ; 87; 0;41068
11; 957.9; 07-JAN-2010 02:34:02; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;41068

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 22; 3681.2; 07-JAN-2010 03:19:26; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;41068
 23; 3924.5; 07-JAN-2010 03:23:29; Bright; 1.0; 119; 14Eta Dra ; 2.73; 4700;occ; 2; 0;41068

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 3; -1680.9; 07-JAN-2010 03:30:39; Bright; 53.0; 180; 27Gam Boo ; 3.04; 8000;occ; 106; 0;41068
 4; -1442.1; 07-JAN-2010 03:34:38; Bright; 46.0; 83; ; 2.38; 11000;occ; 92; 0;41068
 5; -1116.1; 07-JAN-2010 03:40:04; Bright; 56.0; 102; 24Alp Ser ; 2.60; 4250;occ; 112; 0;41068
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 10; 53.8; 07-JAN-2010 03:59:34; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;41069
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 12; 292.2; 07-JAN-2010 04:03:33; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41069
 13; 553.3; 07-JAN-2010 04:07:54; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;41069
 14; 676.2; 07-JAN-2010 04:09:57; Dark ; 39.5; 71; Iot Car ; 2.25; 7700;occ; 79; 0;41069
 15; 790.3; 07-JAN-2010 04:11:51; Dark ; 40.5; 46; Del Vel ; 1.95; 10600;occ; 81; 0;41069
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 19; 1363.2; 07-JAN-2010 04:21:24; Dark ; 45.5; 23; 21Eps CMA ; 1.50; 26000;occ; 91; 0;41069
 20; 1452.1; 07-JAN-2010 04:22:52; Dark ; 44.0; 179; 24Omi2CMA ; 3.03; 24000;occ; 88; 0;41069
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 23; 2205.3; 07-JAN-2010 04:35:26; Dark ; 45.5; 44; 24Gam Gem ; 1.93; 11000;occ; 91; 0;41069
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 25; 2549.8; 07-JAN-2010 04:41:10; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;41069
 26; 2682.8; 07-JAN-2010 04:43:23; Bright; 38.0; 42; 34Bet Aur ; 1.90; 10200;occ; 76; 0;41069
 27; 3681.1; 07-JAN-2010 05:00:01; Bright; 3.5; 60; 7Bet UMi ; 2.08; 3950;occ; 7; 0;41069

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 3; -1948.3; 07-JAN-2010 05:06:48; Bright; 60.0; 39; 85Eta UMa ; 1.85; 24000;occ; 120; 0;41069
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 8; -623.5; 07-JAN-2010 05:28:53; Dark ; 48.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 97; 0;41069
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 10; -44.9; 07-JAN-2010 05:38:31; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;41069
 11; 54.3; 07-JAN-2010 05:40:11; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;41070
 12; 216.9; 07-JAN-2010 05:42:53; Dark ; 41.0; 20; Bet Cru ; 1.25; 30000;occ; 82; 0;41070
 13; 293.1; 07-JAN-2010 05:44:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41070
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 15; 676.7; 07-JAN-2010 05:50:33; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;41070
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 19; 1202.6; 07-JAN-2010 05:59:19; Dark ; 46.5; 117; Pi Pup ; 2.71; 3800;occ; 93; 0;41070
 20; 1363.5; 07-JAN-2010 06:02:00; Dark ; 42.5; 23; 21Eps CMA ; 1.50; 26000;occ; 85; 0;41070
 21; 1452.2; 07-JAN-2010 06:03:29; Dark ; 41.5; 179; 24Omi2CMA ; 3.03; 24000;occ; 83; 0;41070
 22; 1592.6; 07-JAN-2010 06:05:49; Dark ; 46.5; 1; 9Alp CMA ; -1.44; 11000;occ; 93; 0;41070
 23; 2031.0; 07-JAN-2010 06:13:07; Dark ; 53.0; 14; 58Alp Ori ; 0.87; 3000;occ; 106; 0;41070
 24; 2205.1; 07-JAN-2010 06:16:01; Dark ; 45.5; 44; 24Gam Gem ; 1.93; 11000;occ; 91; 0;41070
 25; 2305.6; 07-JAN-2010 06:17:42; Bright; 47.0; 151; 13Mu Gem ; 2.89; 3000;occ; 94; 0;41070
 26; 2549.6; 07-JAN-2010 06:21:46; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;41070
 27; 2682.5; 07-JAN-2010 06:23:59; Bright; 36.5; 42; 34Bet Aur ; 1.90; 10200;occ; 73; 0;41070

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2;	222.7;	07-JAN-2010	22:28:58;	Dark	;	39.5;	20;	Bet Cru	;	1.25;	30000;occ;	79;	0;	41080
3;	302.6;	07-JAN-2010	22:30:18;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	41080
4;	481.3;	07-JAN-2010	22:33:17;	Dark	;	37.0;	124;	The Car	;	2.76;	30000;occ;	74;	0;	41080
5;	574.3;	07-JAN-2010	22:34:50;	Dark	;	39.0;	159;	Ups Car	;	2.92;	7200;occ;	78;	0;	41080
6;	681.7;	07-JAN-2010	22:36:37;	Dark	;	42.0;	71;	Iot Car	;	2.25;	7700;occ;	84;	0;	41080
7;	767.2;	07-JAN-2010	22:38:03;	Dark	;	45.0;	41;	Eps Car	;	1.86;	4100;occ;	90;	0;	41080
8;	963.3;	07-JAN-2010	22:41:19;	Dark	;	45.0;	34;	Gam2Vel	;	1.79;	23000;occ;	90;	0;	41080
9;	1094.2;	07-JAN-2010	22:43:30;	Dark	;	43.5;	70;	Zet Pup	;	2.25;	39000;occ;	87;	0;	41080
10;	1206.0;	07-JAN-2010	22:45:22;	Dark	;	46.5;	117;	Pi Pup	;	2.71;	3800;occ;	93;	0;	41080
11;	1365.9;	07-JAN-2010	22:48:02;	Dark	;	44.5;	23;	21Eps CMA	;	1.50;	26000;occ;	89;	0;	41080
12;	1454.2;	07-JAN-2010	22:49:30;	Dark	;	42.0;	179;	240mi2CMA	;	3.03;	24000;occ;	84;	0;	41080
13;	1594.0;	07-JAN-2010	22:51:50;	Dark	;	46.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	92;	0;	41080
14;	2031.1;	07-JAN-2010	22:59:07;	Dark	;	53.0;	14;	58Alp Ori	;	0.87;	3000;occ;	106;	0;	41080
15;	2202.9;	07-JAN-2010	23:01:59;	Dark	;	47.0;	44;	24Gam Gem	;	1.93;	11000;occ;	94;	0;	41080
16;	2303.6;	07-JAN-2010	23:03:39;	Bright;		44.5;	151;	13Mu Gem	;	2.89;	3000;occ;	89;	0;	41080
17;	2395.2;	07-JAN-2010	23:05:11;	Bright;		38.5;	28;	12Bet Tau	;	1.65;	15200;occ;	77;	0;	41080
18;	2547.9;	07-JAN-2010	23:07:44;	Bright;		37.5;	107;	37The Aur	;	2.65;	11000;occ;	75;	0;	41080
19;	2680.9;	07-JAN-2010	23:09:57;	Bright;		36.0;	42;	34Bet Aur	;	1.90;	10200;occ;	72;	0;	41080
20;	3423.8;	07-JAN-2010	23:22:19;	Bright;		36.0;	49;	1Alp UMi	;	1.99;	6300;occ;	72;	0;	41080
21;	3679.6;	07-JAN-2010	23:26:35;	Bright;		39.5;	60;	7Bet UMi	;	2.08;	3950;occ;	79;	0;	41080
22;	3924.5;	07-JAN-2010	23:30:40;	Bright;		38.5;	119;	14Eta Dra	;	2.73;	4700;occ;	77;	0;	41080
23;	4437.5;	07-JAN-2010	23:39:13;	Bright;		33.0;	133;	40Zet Her	;	2.81;	6000;occ;	66;	0;	41080
24;	4565.0;	07-JAN-2010	23:41:21;	Bright;		38.0;	67;	5Alp CrB	;	2.22;	11000;occ;	76;	0;	41080
25;	4923.8;	07-JAN-2010	23:47:20;	Bright;		57.0;	102;	24Alp Ser	;	2.60;	4250;occ;	114;	0;	41080
26;	5057.7;	07-JAN-2010	23:49:33;	Bright;		34.0;	120;	1Del Oph	;	2.73;	3200;occ;	68;	0;	41080
27;	5245.9;	07-JAN-2010	23:52:42;	Dark	;	46.5;	104;	27Bet Lib	;	2.61;	13100;occ;	93;	0;	41080

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2;	-650.3;	07-JAN-2010	23:55:01;	Dark	;	42.0;	80;	7Del Sco	;	2.32;	30000;occ;	84;	0;	41080
3;	-37.2;	08-JAN-2010	00:05:14;	Dark	;	41.0;	95;	Zet Cen	;	2.55;	26000;occ;	82;	0;	41080
4;	82.4;	08-JAN-2010	00:07:14;	Dark	;	50.0;	10;	Bet Cen	;	0.61;	28000;occ;	100;	0;	41081
5;	223.3;	08-JAN-2010	00:09:35;	Dark	;	40.5;	20;	Bet Cru	;	1.25;	30000;occ;	81;	0;	41081
6;	303.5;	08-JAN-2010	00:10:55;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	41081
7;	481.9;	08-JAN-2010	00:13:53;	Dark	;	38.5;	124;	The Car	;	2.76;	30000;occ;	77;	0;	41081
8;	574.7;	08-JAN-2010	00:15:26;	Dark	;	40.0;	159;	Ups Car	;	2.92;	7200;occ;	80;	0;	41081
9;	682.1;	08-JAN-2010	00:17:14;	Dark	;	44.0;	71;	Iot Car	;	2.25;	7700;occ;	88;	0;	41081
10;	767.6;	08-JAN-2010	00:18:39;	Dark	;	46.5;	41;	Eps Car	;	1.86;	4100;occ;	93;	0;	41081
11;	963.8;	08-JAN-2010	00:21:55;	Dark	;	43.0;	34;	Gam2Vel	;	1.79;	23000;occ;	86;	0;	41081
12;	1094.6;	08-JAN-2010	00:24:06;	Dark	;	42.0;	70;	Zet Pup	;	2.25;	39000;occ;	84;	0;	41081
13;	1206.1;	08-JAN-2010	00:25:58;	Dark	;	46.0;	117;	Pi Pup	;	2.71;	3800;occ;	92;	0;	41081
14;	1366.0;	08-JAN-2010	00:28:38;	Dark	;	44.0;	23;	21Eps CMA	;	1.50;	26000;occ;	88;	0;	41081
15;	1454.4;	08-JAN-2010	00:30:06;	Dark	;	42.0;	179;	240mi2CMA	;	3.03;	24000;occ;	84;	0;	41081
16;	1593.9;	08-JAN-2010	00:32:25;	Dark	;	46.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	92;	0;	41081
17;	2031.2;	08-JAN-2010	00:39:43;	Dark	;	53.0;	14;	58Alp Ori	;	0.87;	3000;occ;	106;	0;	41081
18;	2202.7;	08-JAN-2010	00:42:34;	Dark	;	47.5;	44;	24Gam Gem	;	1.93;	11000;occ;	95;	0;	41081
19;	2303.4;	08-JAN-2010	00:44:15;	Bright;		44.5;	151;	13Mu Gem	;	2.89;	3000;occ;	89;	0;	41081
20;	2395.0;	08-JAN-2010	00:45:47;	Bright;		39.0;	28;	12Bet Tau	;	1.65;	15200;occ;	78;	0;	41081
21;	2680.7;	08-JAN-2010	00:50:32;	Bright;		38.5;	42;	34Bet Aur	;	1.90;	10200;occ;	77;	0;	41081
22;	3424.1;	08-JAN-2010	01:02:56;	Bright;		33.0;	49;	1Alp UMi	;	1.99;	6300;occ;	66;	0;	41081
23;	4924.4;	08-JAN-2010	01:27:56;	Bright;		57.0;	102;	24Alp Ser	;	2.60;	4250;occ;	114;	0;	41081
24;	5058.1;	08-JAN-2010	01:30:10;	Bright;		52.5;	120;	1Del Oph	;	2.73;	3200;occ;	105;	0;	41081

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2;	2204.9;	07-JAN-2010	07:56:37;	Dark	;	46.0;	44;	24Gam Gem	;	1.93;	11000;occ;	92;	0;	41071
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17; 5216.3; 21-JAN-2010 16:29:33; Dark ; 45.0; 98; 13Zet Oph ; 2.57; 30000;occ; 90; 0;41276
18; 5485.7; 21-JAN-2010 16:34:03; Dark ; 47.5; 16; 21Alp Sco ; 1.02; 3000;occ; 95; 0;41276
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20; 5813.7; 21-JAN-2010 16:39:31; Dark ; 42.0; 131; Gam Lup ; 2.80; 26000;occ; 84; 0;41276

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 23; 6154.7; 21-JAN-2010 16:45:12; Dark ; 43.5; 4; Alp1Cen ;-0.01; 5800;occ; 87; 0;41276
 24; 6233.4; 21-JAN-2010 16:46:30; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;41276
 25; 6425.5; 21-JAN-2010 16:49:43; Dark ; 39.5; 12; Alp1Cru ; 0.77; 30000;occ; 79; 0;41276
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 27; 6613.4; 21-JAN-2010 16:52:50; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;41276
 28; 6692.6; 21-JAN-2010 16:54:10; Dark ; 40.5; 159; Ups Car ; 2.92; 7200;occ; 81; 0;41276
 29; 6806.1; 21-JAN-2010 16:56:03; Dark ; 44.0; 71; Iot Car ; 2.25; 7700;occ; 88; 0;41276
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 23; 6020.6; 21-JAN-2010 18:23:34; Dark ; 43.0; 78; Alp Lup ; 2.30; 28000;occ; 86; 0;41277
 24; 6155.2; 21-JAN-2010 18:25:48; Dark ; 43.5; 4; Alp1Cen ;-0.01; 5800;occ; 87; 0;41277
 25; 6234.3; 21-JAN-2010 18:27:07; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;41277
 26; 6425.9; 21-JAN-2010 18:30:19; Dark ; 41.0; 12; Alp1Cru ; 0.77; 30000;occ; 82; 0;41277
 27; 6522.4; 21-JAN-2010 18:31:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41277
 28; 6613.7; 21-JAN-2010 18:33:27; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;41277
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 31; 6916.2; 21-JAN-2010 18:38:29; Dark ; 44.0; 46; Del Vel ; 1.95; 10600;occ; 88; 0;41277

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 9; 2291.9; 21-JAN-2010 19:02:01; Bright; 41.5; 151; 13Mu Gem ; 2.89; 3000;occ; 83; 0;41278
 10; 2429.3; 21-JAN-2010 19:04:18; Bright; 46.0; 17; 78Bet Gem ; 1.16; 4500;occ; 92; 0;41278
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 13; 3646.4; 21-JAN-2010 19:24:36; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;41278
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 16; 4466.5; 21-JAN-2010 19:38:16; Bright; 37.5; 133; 40Zet Her ; 2.81; 6000;occ; 75; 0;41278
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 23; 5931.3; 21-JAN-2010 20:02:40; Dark ; 42.0; 109; Bet Lup ; 2.68; 26000;occ; 84; 0;41278
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2;	-457.6;	22-JAN-2010	00:58:35;	Dark	;	44.0;	75;	26Eps Sco	;	2.29;	4250;	occ;	88;	0;	41281
3;	-219.2;	22-JAN-2010	01:02:34;	Dark	;	41.5;	131;	Gam Lup	;	2.80;	26000;	occ;	83;	0;	41281
4;	-102.5;	22-JAN-2010	01:04:30;	Dark	;	43.5;	109;	Bet Lup	;	2.68;	26000;	occ;	87;	0;	41281
5;	-12.7;	22-JAN-2010	01:06:00;	Dark	;	41.5;	78;	Alp Lup	;	2.30;	28000;	occ;	83;	0;	41281
6;	120.7;	22-JAN-2010	01:08:13;	Dark	;	45.0;	4;	Alp1Cen	;	-0.01;	5800;	occ;	90;	0;	41282
7;	201.0;	22-JAN-2010	01:09:34;	Dark	;	41.5;	77;	Eps Cen	;	2.30;	28000;	occ;	83;	0;	41282
8;	392.0;	22-JAN-2010	01:12:45;	Dark	;	48.5;	12;	Alp1Cru	;	0.77;	30000;	occ;	97;	0;	41282
9;	489.8;	22-JAN-2010	01:14:23;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	41282
10;	579.3;	22-JAN-2010	01:15:52;	Dark	;	39.5;	124;	The Car	;	2.76;	30000;	occ;	79;	0;	41282
11;	658.1;	22-JAN-2010	01:17:11;	Dark	;	42.5;	159;	Ups Car	;	2.92;	7200;	occ;	85;	0;	41282
12;	771.9;	22-JAN-2010	01:19:05;	Dark	;	44.0;	71;	Iot Car	;	2.25;	7700;	occ;	88;	0;	41282
13;	881.5;	22-JAN-2010	01:20:54;	Dark	;	43.5;	46;	Del Vel	;	1.95;	10600;	occ;	87;	0;	41282
14;	1039.7;	22-JAN-2010	01:23:32;	Dark	;	44.5;	34;	Gam2Vel	;	1.79;	23000;	occ;	89;	0;	41282
15;	1166.6;	22-JAN-2010	01:25:39;	Dark	;	43.0;	70;	Zet Pup	;	2.25;	39000;	occ;	86;	0;	41282
16;	1258.8;	22-JAN-2010	01:27:12;	Dark	;	43.5;	117;	Pi Pup	;	2.71;	3800;	occ;	87;	0;	41282
17;	1408.3;	22-JAN-2010	01:29:41;	Dark	;	44.0;	23;	21Eps CMA	;	1.50;	26000;	occ;	88;	0;	41282
18;	1491.7;	22-JAN-2010	01:31:05;	Dark	;	41.5;	179;	240mi2CMA	;	3.03;	24000;	occ;	83;	0;	41282
19;	1621.9;	22-JAN-2010	01:33:15;	Dark	;	45.0;	1;	9Alp CMA	;	-1.44;	11000;	occ;	90;	0;	41282
20;	1998.6;	22-JAN-2010	01:39:31;	Dark	;	49.5;	8;	10Alp CMI	;	0.40;	6500;	occ;	99;	0;	41282
21;	2186.4;	22-JAN-2010	01:42:39;	Dark	;	47.5;	44;	24Gam Gem	;	1.93;	11000;	occ;	95;	0;	41282
22;	2292.0;	22-JAN-2010	01:44:25;	Bright;	;	42.0;	151;	13Mu Gem	;	2.89;	3000;	occ;	84;	0;	41282
23;	2427.8;	22-JAN-2010	01:46:41;	Bright;	;	45.5;	17;	78Bet Gem	;	1.16;	4500;	occ;	91;	0;	41282
24;	2544.2;	22-JAN-2010	01:48:37;	Bright;	;	36.0;	107;	37The Aur	;	2.65;	11000;	occ;	72;	0;	41282
25;	2673.2;	22-JAN-2010	01:50:46;	Bright;	;	36.5;	42;	34Bet Aur	;	1.90;	10200;	occ;	73;	0;	41282
26;	3426.2;	22-JAN-2010	02:03:19;	Bright;	;	35.5;	49;	1Alp UMI	;	1.99;	6300;	occ;	71;	0;	41282
27;	3645.9;	22-JAN-2010	02:06:59;	Bright;	;	40.5;	60;	7Bet UMI	;	2.08;	3950;	occ;	81;	0;	41282
28;	3915.6;	22-JAN-2010	02:11:28;	Bright;	;	39.0;	119;	14Eta Dra	;	2.73;	4700;	occ;	78;	0;	41282
29;	4084.0;	22-JAN-2010	02:14:17;	Bright;	;	35.0;	130;	23Bet Dra	;	2.80;	5800;	occ;	70;	0;	41282
30;	4467.1;	22-JAN-2010	02:20:40;	Bright;	;	37.5;	133;	40Zet Her	;	2.81;	6000;	occ;	75;	0;	41282
31;	4663.0;	22-JAN-2010	02:23:56;	Bright;	;	40.5;	127;	27Bet Her	;	2.78;	4700;	occ;	81;	0;	41282
32;	4761.5;	22-JAN-2010	02:25:34;	Bright;	;	34.0;	59;	55Alp Oph	;	2.08;	8900;	occ;	68;	0;	41282

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

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

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23; 2410.9; 25-JAN-2010 21:59:20; Bright; 44.0; 17; 78Bet Gem ; 1.16; 4500;occ; 88; 0;41337

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 27; 3909.0; 25-JAN-2010 22:24:18; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;41337
 28; 4085.9; 25-JAN-2010 22:27:15; Bright; 51.0; 130; 23Bet Dra ; 2.80; 5800;occ; 102; 0;41337
 29; 4474.8; 25-JAN-2010 22:33:44; Bright; 42.0; 133; 40Zet Her ; 2.81; 6000;occ; 84; 0;41337
 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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 32; 4900.8; 25-JAN-2010 22:40:50; Bright; 35.0; 126; 60Bet Oph ; 2.77; 4250;occ; 70; 0;41337
 33; 5177.4; 25-JAN-2010 22:45:26; Dark ; 53.5; 120; 1Del Oph ; 2.73; 3200;occ; 107; 0;41337
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 9; 539.2; 25-JAN-2010 23:08:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41338
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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
 24; 3633.7; 26-JAN-2010 00:00:18; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;41338
 25; 3909.2; 26-JAN-2010 00:04:54; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;41338
 26; 4086.0; 26-JAN-2010 00:07:51; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;41338
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 31; 5177.9; 26-JAN-2010 00:26:03; Dark ; 53.5; 120; 1Del Oph ; 2.73; 3200;occ; 107; 0;41338
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 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
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 12; 23.3; 25-JAN-2010 07:54:45; Dark ; 43.5; 78; Alp Lup ; 2.30; 28000;occ; 87; 0;41329
 13; 143.9; 25-JAN-2010 07:56:45; Dark ; 43.5; 4; Alp1Cen ;-0.01; 5800;occ; 87; 0;41329
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 17; 675.7; 25-JAN-2010 08:05:37; Dark ; 39.5; 159; Ups Car ; 2.92; 7200;occ; 79; 0;41329
 18; 1180.5; 25-JAN-2010 08:14:02; Dark ; 39.0; 70; Zet Pup ; 2.25; 39000;occ; 78; 0;41329
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 3; 2295.5; 25-JAN-2010 08:32:37; Bright; 52.0; 151; 13Mu Gem ; 2.89; 3000;occ; 104; 0;41329

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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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11; 4473.7; 25-JAN-2010 09:08:55; Bright; 58.0; 133; 40Zet Her ; 2.81; 6000;occ; 116; 0;41329
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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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16; 5272.2; 25-JAN-2010 09:22:14; Dark ; 44.0; 86; 35Eta Oph ; 2.43; 10200;occ; 88; 0;41329
17; 5597.6; 25-JAN-2010 09:27:39; Dark ; 42.0; 75; 26Eps Sco ; 2.29; 4250;occ; 84; 0;41329
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20; 6180.8; 25-JAN-2010 09:37:22; Dark ; 42.5; 4; Alp1Cen ;-0.01; 5800;occ; 85; 0;41329
21; 6273.4; 25-JAN-2010 09:38:55; Dark ; 43.0; 77; Eps Cen ; 2.30; 28000;occ; 86; 0;41329
22; 6454.6; 25-JAN-2010 09:41:56; Dark ; 42.0; 12; Alp1Cru ; 0.77; 30000;occ; 84; 0;41329
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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
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25; 7305.6; 25-JAN-2010 11:36:43; Dark ; 45.0; 117; Pi Pup ; 2.71; 3800;occ; 90; 0;41330
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28; 7305.6; 25-JAN-2010 13:17:19; Dark ; 41.0; 117; Pi Pup ; 2.71; 3800;occ; 82; 0;41331
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 23; 6953.3; 29-JAN-2010 12:45:34; Dark ; 38.5; 46; Del Vel ; 1.95; 10600;occ; 77; 0;41388
 24; 7106.8; 29-JAN-2010 12:48:08; Dark ; 42.0; 34; Gam2Vel ; 1.79; 23000;occ; 84; 0;41388
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3; 2339.1; 30-JAN-2010 07:35:51; Bright; 38.0; 170; 27Eps Gem ; 3.00; 9700;occ; 76; 0;41400
4; 2459.2; 30-JAN-2010 07:37:51; Bright; 39.0; 24; 66Alp Gem ; 1.58; 10200;occ; 78; 0;41400
5; 3427.5; 30-JAN-2010 07:53:59; Bright; 38.0; 49; 1Alp UMi ; 1.99; 6300;occ; 76; 0;41400
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
8; 4087.0; 30-JAN-2010 08:04:59; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;41400
9; 4301.6; 30-JAN-2010 08:08:33; Bright; 38.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 77; 0;41400
10; 4483.7; 30-JAN-2010 08:11:36; Bright; 42.5; 133; 40Zet Her ; 2.81; 6000;occ; 85; 0;41400
11; 4790.6; 30-JAN-2010 08:16:43; Bright; 54.0; 59; 55Alp Oph ; 2.08; 8900;occ; 108; 0;41400
12; 4918.2; 30-JAN-2010 08:18:50; Bright; 35.5; 126; 60Bet Oph ; 2.77; 4250;occ; 71; 0;41400
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
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16; 6126.1; 30-JAN-2010 08:38:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41400
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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
20; 6608.3; 30-JAN-2010 08:47:00; Dark ; 46.0; 99; Del Cen ; 2.58; 26000;occ; 92; 0;41400
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
26; 7443.8; 30-JAN-2010 09:00:56; Dark ; 41.5; 88; 31Eta CMA ; 2.45; 20000;occ; 83; 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
5; 3427.7; 30-JAN-2010 09:34:35; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;41401
6; 3619.3; 30-JAN-2010 09:37:47; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;41401
7; 3900.3; 30-JAN-2010 09:42:28; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;41401
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9; 4301.3; 30-JAN-2010 09:49:09; Bright; 37.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 74; 0;41401
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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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18; 6329.0; 30-JAN-2010 10:22:57; Dark ; 44.5; 77; Eps Cen ; 2.30; 28000;occ; 89; 0;41401
19; 6493.9; 30-JAN-2010 10:25:42; Dark ; 42.0; 12; Alp1Cru ; 0.77; 30000;occ; 84; 0;41401
20; 6609.0; 30-JAN-2010 10:27:37; Dark ; 45.0; 99; Del Cen ; 2.58; 26000;occ; 90; 0;41401
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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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
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 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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 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
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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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21; 6609.8; 30-JAN-2010 12:08:13; Dark ; 44.5; 99; Del Cen ; 2.58; 26000;occ; 89; 0;41402
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18; 6128.2; 30-JAN-2010 13:40:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41403
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21; 6495.2; 30-JAN-2010 13:46:55; Dark ; 51.5; 12; Alp1Cru ; 0.77; 30000;occ; 103; 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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21; 6495.6; 30-JAN-2010 15:27:31; Dark ; 43.5; 12; Alp1Cru ; 0.77; 30000;occ; 87; 0;41404
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
24; 6852.9; 30-JAN-2010 15:33:28; Dark ; 36.5; 71; Iot Car ; 2.25; 7700;occ; 73; 0;41404
25; 6958.5; 30-JAN-2010 15:35:14; Dark ; 42.5; 46; Del Vel ; 1.95; 10600;occ; 85; 0;41404
26; 7111.1; 30-JAN-2010 15:37:46; Dark ; 40.5; 34; Gam2Vel ; 1.79; 23000;occ; 81; 0;41404
27; 7236.1; 30-JAN-2010 15:39:52; Dark ; 40.5; 70; Zet Pup ; 2.25; 39000;occ; 81; 0;41404

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19; 6129.7; 30-JAN-2010 17:02:01; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41405
20; 6220.7; 30-JAN-2010 17:03:32; Dark ; 43.5; 4; Alp1Cen ;-0.01; 5800;occ; 87; 0;41405
21; 6332.4; 30-JAN-2010 17:05:24; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;41405
22; 6496.2; 30-JAN-2010 17:08:08; Dark ; 45.0; 12; Alp1Cru ; 0.77; 30000;occ; 90; 0;41405
23; 6612.6; 30-JAN-2010 17:10:04; Dark ; 50.0; 99; Del Cen ; 2.58; 26000;occ; 100; 0;41405
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