

GOMOS Daily Report 25-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	27JAN2010 04:37:10
Data source version	GOMOS/5.00L04
Start time of products	25JAN2010 00:04:37
Stop time of products	25JAN2010 23:56:51
Store outputs in DB	Yes
Nb of level 1b prods	182
Nb of prods with errors	0

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

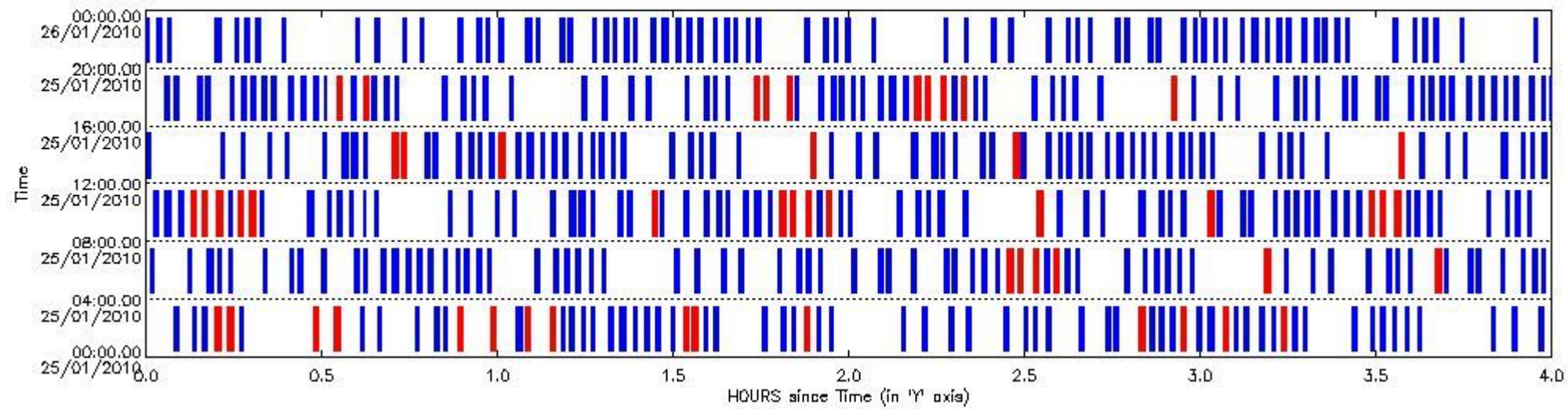
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
25-JAN-2010 00:11:42	78BetGem	17	41324
25-JAN-2010 00:13:56	37TheAur	107	41324
25-JAN-2010 00:28:34	1AlpUMi	49	41324
25-JAN-2010 00:32:04	7BetUMi	60	41324
25-JAN-2010 00:53:05	60BetOph	126	41324
25-JAN-2010 00:58:47	13ZetOph	98	41324
25-JAN-2010 01:04:43	26EpsSco	75	41324
25-JAN-2010 01:08:52	GamLup	131	41324
25-JAN-2010 01:31:43	ZetPup	70	41325
25-JAN-2010 01:33:12	PiPup	117	41325
25-JAN-2010 01:52:18	78BetGem	17	41325
25-JAN-2010 02:49:29	GamLup	131	41325
25-JAN-2010 02:56:33	EpsCen	77	41326
25-JAN-2010 03:03:54	UpsCar	159	41326
25-JAN-2010 03:13:48	PiPup	117	41326

25-JAN-2010 06:27:01	lotCar	71	41328
25-JAN-2010 06:28:49	DelVel	46	41328
25-JAN-2010 06:31:25	Gam2Vel	34	41328
25-JAN-2010 06:35:00	PiPup	117	41328
25-JAN-2010 07:10:58	1AlpUMi	49	41328
25-JAN-2010 07:40:03	1DelOph	120	41328
25-JAN-2010 08:07:37	lotCar	71	41329
25-JAN-2010 08:09:25	DelVel	46	41329
25-JAN-2010 08:12:01	Gam2Vel	34	41329
25-JAN-2010 08:15:36	PiPup	117	41329
25-JAN-2010 08:17:41	31EtaCMa	88	41329
25-JAN-2010 09:26:20	21AlpSco	16	41329
25-JAN-2010 09:48:13	lotCar	71	41330
25-JAN-2010 09:50:01	DelVel	46	41330
25-JAN-2010 09:52:37	Gam2Vel	34	41330
25-JAN-2010 09:56:12	PiPup	117	41330
25-JAN-2010 10:32:09	1AlpUMi	49	41330
25-JAN-2010 11:01:16	1DelOph	120	41330
25-JAN-2010 11:28:50	lotCar	71	41331
25-JAN-2010 11:30:38	DelVel	46	41331
25-JAN-2010 11:33:14	Gam2Vel	34	41331
25-JAN-2010 12:41:53	1DelOph	120	41331
25-JAN-2010 12:43:32	35EtaOph	86	41331
25-JAN-2010 13:00:14	EpsCen	77	41332
25-JAN-2010 13:53:21	1AlpUMi	49	41332
25-JAN-2010 14:28:09	21AlpSco	16	41332
25-JAN-2010 15:33:57	1AlpUMi	49	41333
25-JAN-2010 16:32:26	DelVel	46	41334
25-JAN-2010 16:37:08	ZetPup	70	41334
25-JAN-2010 17:43:42	1DelOph	120	41334
25-JAN-2010 17:45:21	35EtaOph	86	41334
25-JAN-2010 17:49:22	21AlpSco	16	41334
25-JAN-2010 18:11:15	lotCar	71	41335
25-JAN-2010 18:13:03	DelVel	46	41335
25-JAN-2010 18:15:38	Gam2Vel	34	41335
25-JAN-2010 18:19:13	PiPup	117	41335
25-JAN-2010 18:55:09	1AlpUMi	49	41335

2.4 Summary of processed GOM_TRA_1P products

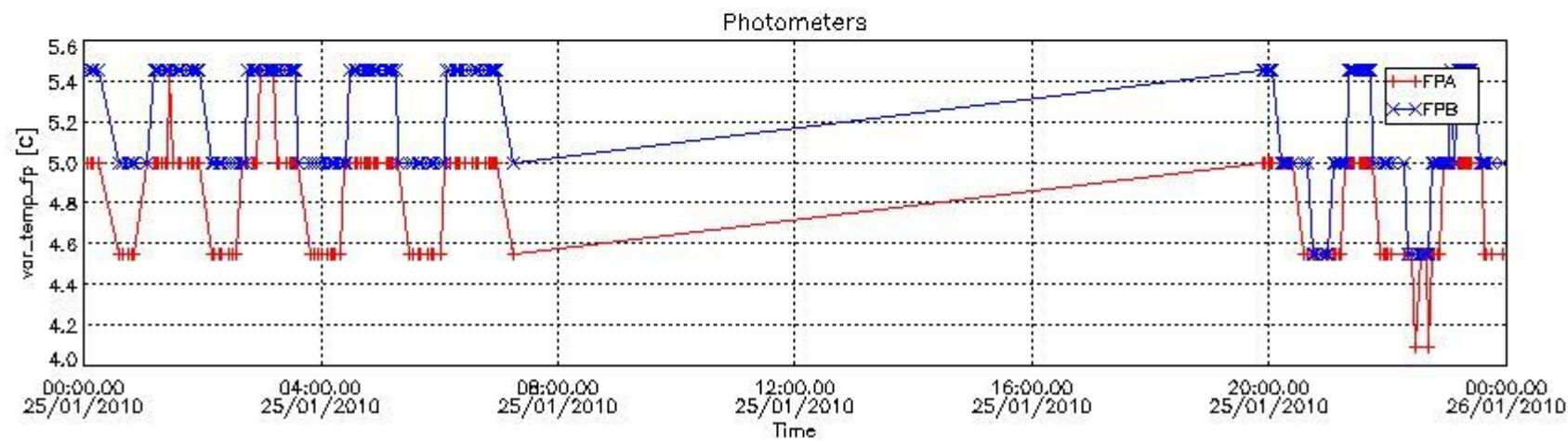
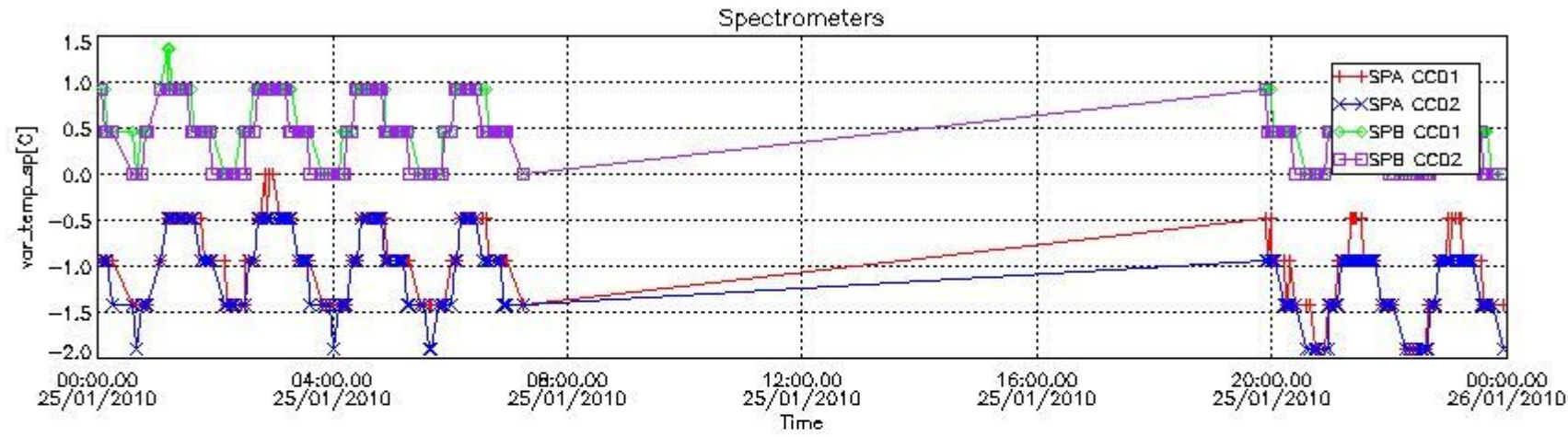
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100125_000437_000000532086_00188_41324_6546.N1	25-JAN-2010 00:04:37	Twilight_stray	52.500	8	10Alp CMi	0.40000	6500.0	105	41324	No
2	GOM_TRA_1PNPDE20100125_000750_000000392086_00188_41324_6547.N1	25-JAN-2010 00:07:50	Bright	38.500	44	24Gam Gem	1.9280	11000.	77	41324	No
3	GOM_TRA_1PNPDE20100125_000937_000000412086_00188_41324_6548.N1	25-JAN-2010 00:09:37	Bright	40.500	151	13Mu Gem	2.8900	3000.0	81	41324	No
4	GOM_TRA_1PNPDE20100125_001559_000000352086_00188_41324_6549.N1	25-JAN-2010 00:15:59	Bright	35.000	42	34Bet Aur	1.9000	10200.	70	41324	No
5	GOM_TRA_1PNPDE20100125_003633_000000392086_00188_41324_6550.N1	25-JAN-2010 00:36:33	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	41324	No
6	GOM_TRA_1PNPDE20100125_003927_000000352086_00188_41324_6551.N1	25-JAN-2010 00:39:27	Bright	35.000	130	23Bet Dra	2.7990	5800.0	70	41324	No
7	GOM_TRA_1PNPDE20100125_004555_000000382086_00188_41324_6552.N1	25-JAN-2010 00:45:55	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	41324	No
8	GOM_TRA_1PNPDE20100125_004916_000000452086_00188_41324_6553.N1	25-JAN-2010 00:49:16	Bright	44.500	127	27Bet Her	2.7810	4700.0	89	41324	No
9	GOM_TRA_1PNPDE20100125_005053_000000352086_00188_41324_6554.N1	25-JAN-2010 00:50:53	Bright	34.500	59	55Alp Oph	2.0800	8900.0	69	41324	No
10	GOM_TRA_1PNPDE20100125_010312_000000522086_00188_41324_6568.N1	25-JAN-2010 01:03:12	Dark	52.000	16	21Alp Sco	1.0200	3000.0	104	41324	No
11	GOM_TRA_1PNPDE20100125_011049_000000422086_00188_41324_6569.N1	25-JAN-2010 01:10:49	Dark	42.000	109	Bet Lup	2.6770	26000.	84	41324	No
12	GOM_TRA_1PNPDE20100125_011218_000000432086_00189_41325_6570.N1	25-JAN-2010 01:12:18	Dark	42.500	78	Alp Lup	2.3040	28000.	85	41325	No
13	GOM_TRA_1PNPDE20100125_011420_000000422086_00189_41325_6571.N1	25-JAN-2010 01:14:20	Dark	41.500	4	Alp1Cen	-0.010000	5800.0	83	41325	No
14	GOM_TRA_1PNPDE20100125_011551_000000412086_00189_41325_6572.N1	25-JAN-2010 01:15:51	Dark	41.000	77	Eps Cen	2.3030	28000.	82	41325	No
15	GOM_TRA_1PNPDE20100125_011853_000000422086_00189_41325_6573.N1	25-JAN-2010 01:18:53	Dark	42.000	12	Alp1Cru	0.77500	30000.	84	41325	No
16	GOM_TRA_1PNPDE20100125_012312_000000392086_00189_41325_6574.N1	25-JAN-2010 01:23:12	Dark	39.000	159	Ups Car	2.9200	7200.0	78	41325	No
17	GOM_TRA_1PNPDE20100125_012506_000000392086_00189_41325_6575.N1	25-JAN-2010 01:25:06	Dark	39.000	71	lot Car	2.2460	7700.0	78	41325	No

18	GOM_TRA_1PNPDE20100125_012654_000000442086_00189_41325_6576.N1	25-JAN-2010 01:26:54	Dark	44.000	46	Del Vel	1.9540	10600.	88	41325	No
19	GOM_TRA_1PNPDE20100125_012930_000000442086_00189_41325_6577.N1	25-JAN-2010 01:29:30	Dark	44.000	34	Gam2Vel	1.7930	23000.	88	41325	No
20	GOM_TRA_1PNPDE20100125_013511_000000412086_00189_41325_6578.N1	25-JAN-2010 01:35:11	Straylight	40.500	88	31Eta CMa	2.4480	20000.	81	41325	No
21	GOM_TRA_1PNPDE20100125_013657_000000392086_00189_41325_6579.N1	25-JAN-2010 01:36:57	Straylight	39.000	179	24Omi2CMa	3.0320	24000.	78	41325	No
22	GOM_TRA_1PNPDE20100125_014513_000000492086_00189_41325_6580.N1	25-JAN-2010 01:45:13	Tw_i_and_stray	48.500	8	10Alp CMi	0.40000	6500.0	97	41325	No
23	GOM_TRA_1PNPDE20100125_014826_000000422086_00189_41325_6581.N1	25-JAN-2010 01:48:26	Bright	42.000	44	24Gam Gem	1.9280	11000.	84	41325	No
24	GOM_TRA_1PNPDE20100125_015013_000000412086_00189_41325_6582.N1	25-JAN-2010 01:50:13	Bright	41.000	151	13Mu Gem	2.8900	3000.0	82	41325	No
25	GOM_TRA_1PNPDE20100125_015427_000000362086_00189_41325_6583.N1	25-JAN-2010 01:54:27	Bright	35.500	107	37The Aur	2.6490	11000.	71	41325	No
26	GOM_TRA_1PNPDE20100125_015635_000000372086_00189_41325_6584.N1	25-JAN-2010 01:56:35	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	41325	No
27	GOM_TRA_1PNPDE20100125_020904_000000332086_00189_41325_6585.N1	25-JAN-2010 02:09:04	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	41325	No
28	GOM_TRA_1PNPDE20100125_021234_000000402086_00189_41325_6586.N1	25-JAN-2010 02:12:34	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	41325	No
29	GOM_TRA_1PNPDE20100125_021708_000000382086_00189_41325_6587.N1	25-JAN-2010 02:17:08	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	41325	No
30	GOM_TRA_1PNPDE20100125_022003_000000472086_00189_41325_6588.N1	25-JAN-2010 02:20:03	Bright	47.000	130	23Bet Dra	2.7990	5800.0	94	41325	No
31	GOM_TRA_1PNPDE20100125_022631_000000412086_00189_41325_6589.N1	25-JAN-2010 02:26:31	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	41325	No
32	GOM_TRA_1PNPDE20100125_022952_000000412086_00189_41325_6590.N1	25-JAN-2010 02:29:52	Bright	41.000	127	27Bet Her	2.7810	4700.0	82	41325	No
33	GOM_TRA_1PNPDE20100125_023129_000000342086_00189_41325_6591.N1	25-JAN-2010 02:31:29	Bright	34.000	59	55Alp Oph	2.0800	8900.0	68	41325	No
34	GOM_TRA_1PNPDE20100125_023336_000000522086_00189_41325_6592.N1	25-JAN-2010 02:33:36	Bright	52.000	126	60Bet Oph	2.7700	4250.0	104	41325	No
35	GOM_TRA_1PNPDE20100125_023918_000000432086_00189_41325_6593.N1	25-JAN-2010 02:39:18	Tw_i_and_stray	43.000	98	13Zet Oph	2.5710	30000.	86	41325	No
36	GOM_TRA_1PNPDE20100125_024349_000000562086_00189_41325_6594.N1	25-JAN-2010 02:43:49	Dark	56.000	16	21Alp Sco	1.0200	3000.0	112	41325	No
37	GOM_TRA_1PNPDE20100125_024514_000000512086_00189_41325_6595.N1	25-JAN-2010 02:45:14	Dark	50.500	75	26Eps Sco	2.2910	4250.0	101	41325	No
38	GOM_TRA_1PNPDE20100125_025126_000000442086_00189_41325_6596.N1	25-JAN-2010 02:51:26	Dark	43.500	109	Bet Lup	2.6770	26000.	87	41325	No
39	GOM_TRA_1PNPDE20100125_025254_000000442086_00190_41326_6597.N1	25-JAN-2010 02:52:54	Dark	43.500	78	Alp Lup	2.3040	28000.	87	41326	No
40	GOM_TRA_1PNPDE20100125_025456_000000422086_00190_41326_6598.N1	25-JAN-2010 02:54:56	Dark	41.500	4	Alp1Cen	-0.010000	5800.0	83	41326	No
41	GOM_TRA_1PNPDE20100125_025930_000000422086_00190_41326_6599.N1	25-JAN-2010 02:59:30	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	41326	No
42	GOM_TRA_1PNPDE20100125_030543_000000442086_00190_41326_6600.N1	25-JAN-2010 03:05:43	Dark	43.500	71	lot Car	2.2460	7700.0	87	41326	No
43	GOM_TRA_1PNPDE20100125_030731_000000412086_00190_41326_6601.N1	25-JAN-2010 03:07:31	Dark	41.000	46	Del Vel	1.9540	10600.	82	41326	No
44	GOM_TRA_1PNPDE20100125_031007_000000412086_00190_41326_6602.N1	25-JAN-2010 03:10:07	Dark	40.500	34	Gam2Vel	1.7930	23000.	81	41326	No
45	GOM_TRA_1PNPDE20100125_031213_000000412086_00190_41326_6603.N1	25-JAN-2010 03:12:13	Straylight	40.500	70	Zet Pup	2.2460	39000.	81	41326	No
46	GOM_TRA_1PNPDE20100125_031547_000000412086_00190_41326_6604.N1	25-JAN-2010 03:15:47	Straylight	41.000	88	31Eta CMa	2.4480	20000.	82	41326	No
47	GOM_TRA_1PNPDE20100125_031733_000000382086_00190_41326_6605.N1	25-JAN-2010 03:17:33	Straylight	38.000	179	24Omi2CMa	3.0320	24000.	76	41326	No
48	GOM_TRA_1PNPDE20100125_032549_000000502086_00190_41326_6606.N1	25-JAN-2010 03:25:49	Tw_i_and_stray	49.500	8	10Alp CMi	0.40000	6500.0	99	41326	No
49	GOM_TRA_1PNPDE20100125_032902_000000422086_00190_41326_6607.N1	25-JAN-2010 03:29:02	Bright	41.500	44	24Gam Gem	1.9280	11000.	83	41326	No
50	GOM_TRA_1PNPDE20100125_033049_000000412086_00190_41326_6608.N1	25-JAN-2010 03:30:49	Bright	41.000	151	13Mu Gem	2.8900	3000.0	82	41326	No
51	GOM_TRA_1PNPDE20100125_033248_000000442086_00190_41326_6609.N1	25-JAN-2010 03:32:48	Bright	43.500	17	78Bet Gem	1.1610	4500.0	87	41326	No
52	GOM_TRA_1PNPDE20100125_033503_000000372086_00190_41326_6610.N1	25-JAN-2010 03:35:03	Bright	37.000	107	37The Aur	2.6490	11000.	74	41326	No
53	GOM_TRA_1PNPDE20100125_033711_000000362086_00190_41326_6611.N1	25-JAN-2010 03:37:11	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	41326	No
54	GOM_TRA_1PNPDE20100125_034940_000000372086_00190_41326_6594.N1	25-JAN-2010 03:49:40	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	41326	No
55	GOM_TRA_1PNPDE20100125_035310_000000532086_00190_41326_6595.N1	25-JAN-2010 03:53:10	Bright	52.500	60	7Bet UMi	2.0810	3950.0	105	41326	No
56	GOM_TRA_1PNPDE20100125_035744_000000562086_00190_41326_6596.N1	25-JAN-2010 03:57:44	Bright	56.000	119	14Eta Dra	2.7270	4700.0	112	41326	No
57	GOM_TRA_1PNPDE20100125_040039_000000382086_00190_41326_6597.N1	25-JAN-2010 04:00:39	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	41326	No
58	GOM_TRA_1PNPDE20100125_040707_000000392086_00190_41326_6598.N1	25-JAN-2010 04:07:07	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	41326	No
59	GOM_TRA_1PNPDE20100125_041028_000000602086_00190_41326_6599.N1	25-JAN-2010 04:10:28	Bright	60.000	127	27Bet Her	2.7810	4700.0	120	41326	No
60	GOM_TRA_1PNPDE20100125_041205_000000352086_00190_41326_6600.N1	25-JAN-2010 04:12:05	Bright	35.000	59	55Alp Oph	2.0800	8900.0	70	41326	No
61	GOM_TRA_1PNPDE20100125_041411_000000332086_00190_41326_6601.N1	25-JAN-2010 04:14:11	Bright	33.000	126	60Bet Oph	2.7700	4250.0	66	41326	No
62	GOM_TRA_1PNPDE20100125_041954_000000432086_00190_41326_6602.N1	25-JAN-2010 04:19:54	Tw_i_and_stray	43.000	98	13Zet Oph	2.5710	30000.	86	41326	No
63	GOM_TRA_1PNPDE20100125_042425_000000452086_00190_41326_6603.N1	25-JAN-2010 04:24:25	Dark	45.000	16	21Alp Sco	1.0200	3000.0	90	41326	No
64	GOM_TRA_1PNPDE20100125_042549_000000452086_00190_41326_6604.N1	25-JAN-2010 04:25:49	Dark	44.500	75	26Eps Sco	2.2910	4250.0	89	41326	No
65	GOM_TRA_1PNPDE20100125_043000_000000402086_00190_41326_6605.N1	25-JAN-2010 04:30:00	Dark	39.500	131	Gam Lup	2.8000	26000.	79	41326	No
66	GOM_TRA_1PNPDE20100125_043532_000000552086_00191_41327_6606.N1	25-JAN-2010 04:35:32	Dark	55.000	4	Alp1Cen	-0.010000	5800.0	110	41327	No
67	GOM_TRA_1PNPDE20100125_043705_000000412086_00191_41327_6607.N1	25-JAN-2010 04:37:05	Dark	40.500	77	Eps Cen	2.3030	28000.	81	41327	No
68	GOM_TRA_1PNPDE20100125_044006_000000502086_00191_41327_6608.N1	25-JAN-2010 04:40:06	Dark	49.500	12	Alp1Cru	0.77500	30000.	99	41327	No
69	GOM_TRA_1PNPDE20100125_044424_000000442086_00191_41327_6609.N1	25-JAN-2010 04:44:24	Dark	44.000	159	Ups Car	2.9200	7200.0	88	41327	No
70	GOM_TRA_1PNPDE20100125_044619_000000402086_00191_41327_6610.N1	25-JAN-2010 04:46:19	Dark	39.500	71	lot Car	2.2460	7700.0	79	41327	No
71	GOM_TRA_1PNPDE20100125_044807_000000402086_00191_41327_6611.N1	25-JAN-2010 04:48:07	Dark	40.000	46	Del Vel	1.9540	10600.	80	41327	No
72	GOM_TRA_1PNPDE20100125_045043_000000432086_00191_41327_6612.N1	25-JAN-2010 04:50:43	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	41327	No
73	GOM_TRA_1PNPDE20100125_045249_000000422086_00191_41327_6613.N1	25-JAN-2010 04:52:49	Straylight	41.500	70	Zet Pup	2.2460	39000.	83	41327	No
74	GOM_TRA_1PNPDE20100125_045418_000000422086_00191_41327_6614.N1	25-JAN-2010 04:54:18	Straylight	42.000	117	Pi Pup	2.7060	3800.0	84	41327	No
75	GOM_TRA_1PNPDE20100125_045623_000000432086_00191_41327_6615.N1	25-JAN-2010 04:56:23	Straylight	42.500	88	31Eta CMa	2.4480	20000.	85	41327	No
76	GOM_TRA_1PNPDE20100125_045809_000000392086_00191_41327_6616.N1	25-JAN-2010 04:58:09	Straylight	38.500	179	24Omi2CMa	3.0320	24000.	77	41327	No

77	GOM_TRA_1PNPDE20100125_050625_000000492086_00191_41327_6617.N1	25-JAN-2010 05:06:25	Twilight	48.500	8	10Alp CMI	0.40000	6500.0	97	41327	No
78	GOM_TRA_1PNPDE20100125_050938_000000422086_00191_41327_6618.N1	25-JAN-2010 05:09:38	Bright	42.000	44	24Gam Gem	1.9280	11000.	84	41327	No
79	GOM_TRA_1PNPDE20100125_051125_000000412086_00191_41327_6619.N1	25-JAN-2010 05:11:25	Bright	40.500	151	13Mu Gem	2.8900	3000.0	81	41327	No
80	GOM_TRA_1PNPDE20100125_051324_000000442086_00191_41327_6620.N1	25-JAN-2010 05:13:24	Bright	44.000	17	78Bet Gem	1.1610	4500.0	88	41327	No
81	GOM_TRA_1PNPDE20100125_051539_000000352086_00191_41327_6621.N1	25-JAN-2010 05:15:39	Bright	34.500	107	37The Aur	2.6490	11000.	69	41327	No
82	GOM_TRA_1PNPDE20100125_051747_000000362086_00191_41327_6622.N1	25-JAN-2010 05:17:47	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	41327	No
83	GOM_TRA_1PNPDE20100125_053016_000000372086_00191_41327_6623.N1	25-JAN-2010 05:30:16	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	41327	No
84	GOM_TRA_1PNPDE20100125_053346_000000382086_00191_41327_6624.N1	25-JAN-2010 05:33:46	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	41327	No
85	GOM_TRA_1PNPDE20100125_053820_000000422086_00191_41327_6619.N1	25-JAN-2010 05:38:20	Bright	42.000	119	14Eta Dra	2.7270	4700.0	84	41327	No
86	GOM_TRA_1PNPDE20100125_054115_000000402086_00191_41327_6620.N1	25-JAN-2010 05:41:15	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	41327	No
87	GOM_TRA_1PNPDE20100125_054743_000000392086_00191_41327_6621.N1	25-JAN-2010 05:47:43	Bright	39.000	133	40Zet Her	2.8070	6000.0	78	41327	No
88	GOM_TRA_1PNPDE20100125_055104_000000422086_00191_41327_6622.N1	25-JAN-2010 05:51:04	Bright	42.000	127	27Bet Her	2.7810	4700.0	84	41327	No
89	GOM_TRA_1PNPDE20100125_055241_000000532086_00191_41327_6623.N1	25-JAN-2010 05:52:41	Bright	53.000	59	55Alp Oph	2.0800	8900.0	106	41327	No
90	GOM_TRA_1PNPDE20100125_055448_000000402086_00191_41327_6624.N1	25-JAN-2010 05:54:48	Bright	40.000	126	60Bet Oph	2.7700	4250.0	80	41327	No
91	GOM_TRA_1PNPDE20100125_060031_000000432086_00191_41327_6625.N1	25-JAN-2010 06:00:31	Twilight	42.500	98	13Zet Oph	2.5710	30000.	85	41327	No
92	GOM_TRA_1PNPDE20100125_060501_000000502086_00191_41327_6626.N1	25-JAN-2010 06:05:01	Dark	49.500	16	21Alp Sco	1.0200	3000.0	99	41327	No
93	GOM_TRA_1PNPDE20100125_060626_000000442086_00191_41327_6627.N1	25-JAN-2010 06:06:26	Dark	44.000	75	26Eps Sco	2.2910	4250.0	88	41327	No
94	GOM_TRA_1PNPDE20100125_061037_000000412086_00191_41327_6628.N1	25-JAN-2010 06:10:37	Dark	41.000	131	Gam Lup	2.8000	26000.	82	41327	No
95	GOM_TRA_1PNPDE20100125_061609_000000552086_00192_41328_6629.N1	25-JAN-2010 06:16:09	Dark	55.000	4	Alp1Cen	-0.010000	5800.0	110	41328	No
96	GOM_TRA_1PNPDE20100125_061741_000000472086_00192_41328_6630.N1	25-JAN-2010 06:17:41	Dark	47.000	77	Eps Cen	2.3030	28000.	94	41328	No
97	GOM_TRA_1PNPDE20100125_062043_000000432086_00192_41328_6631.N1	25-JAN-2010 06:20:43	Dark	43.000	12	Alp1Cru	0.77500	30000.	86	41328	No
98	GOM_TRA_1PNPDE20100125_062501_000000392086_00192_41328_6632.N1	25-JAN-2010 06:25:01	Dark	39.000	159	Ups Car	2.9200	7200.0	78	41328	No
99	GOM_TRA_1PNPDE20100125_063326_000000412086_00192_41328_6633.N1	25-JAN-2010 06:33:26	Straylight	41.000	70	Zet Pup	2.2460	39000.	82	41328	No
100	GOM_TRA_1PNPDE20100125_063659_000000422086_00192_41328_6634.N1	25-JAN-2010 06:36:59	Straylight	41.500	88	31Eta CMa	2.4480	20000.	83	41328	No
101	GOM_TRA_1PNPDE20100125_063845_000000392086_00192_41328_6635.N1	25-JAN-2010 06:38:45	Straylight	39.000	179	24Omi2CMa	3.0320	24000.	78	41328	No
102	GOM_TRA_1PNPDE20100125_064701_000000472086_00192_41328_6636.N1	25-JAN-2010 06:47:01	Twilight	46.500	8	10Alp CMI	0.40000	6500.0	93	41328	No
103	GOM_TRA_1PNPDE20100125_065014_000000412086_00192_41328_6637.N1	25-JAN-2010 06:50:14	Bright	40.500	44	24Gam Gem	1.9280	11000.	81	41328	No
104	GOM_TRA_1PNPDE20100125_065201_000000502086_00192_41328_6638.N1	25-JAN-2010 06:52:01	Bright	50.000	151	13Mu Gem	2.8900	3000.0	100	41328	No
105	GOM_TRA_1PNPDE20100125_065359_000000442086_00192_41328_6639.N1	25-JAN-2010 06:53:59	Bright	43.500	17	78Bet Gem	1.1610	4500.0	87	41328	No
106	GOM_TRA_1PNPDE20100125_065615_000000292086_00192_41328_6640.N1	25-JAN-2010 06:56:15	Bright	29.000	107	37The Aur	2.6490	11000.	58	41328	No
107	GOM_TRA_1PNPDE20100125_065823_000000352086_00192_41328_6641.N1	25-JAN-2010 06:58:23	Bright	35.000	42	34Bet Aur	1.9000	10200.	70	41328	No
108	GOM_TRA_1PNPDE20100125_071421_000000412086_00192_41328_6642.N1	25-JAN-2010 07:14:21	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	41328	No
109	GOM_TRA_1PNPDE20100125_195333_000000442086_00200_41336_6697.N1	25-JAN-2010 19:53:33	Dark	43.500	46	Del Vel	1.9540	10600.	87	41336	No
110	GOM_TRA_1PNPDE20100125_195609_000000432086_00200_41336_6698.N1	25-JAN-2010 19:56:09	Dark	42.500	34	Gam2Vel	1.7930	23000.	85	41336	No
111	GOM_TRA_1PNPDE20100125_195815_000000442086_00200_41336_6699.N1	25-JAN-2010 19:58:15	Straylight	43.500	70	Zet Pup	2.2460	39000.	87	41336	No
112	GOM_TRA_1PNPDE20100125_195943_000000442086_00200_41336_6700.N1	25-JAN-2010 19:59:43	Straylight	44.000	117	Pi Pup	2.7060	3800.0	88	41336	No
113	GOM_TRA_1PNPDE20100125_200148_000000412086_00200_41336_6701.N1	25-JAN-2010 20:01:48	Straylight	41.000	88	31Eta CMa	2.4480	20000.	82	41336	No
114	GOM_TRA_1PNPDE20100125_200334_000000372086_00200_41336_6702.N1	25-JAN-2010 20:03:34	Straylight	37.000	179	24Omi2CMa	3.0320	24000.	74	41336	No
115	GOM_TRA_1PNPDE20100125_201147_000000512086_00200_41336_6703.N1	25-JAN-2010 20:11:47	Twilight	51.000	8	10Alp CMI	0.40000	6500.0	102	41336	No
116	GOM_TRA_1PNPDE20100125_201502_000000402086_00200_41336_6704.N1	25-JAN-2010 20:15:02	Bright	40.000	44	24Gam Gem	1.9280	11000.	80	41336	No
117	GOM_TRA_1PNPDE20100125_201649_000000402086_00200_41336_6705.N1	25-JAN-2010 20:16:49	Bright	40.000	151	13Mu Gem	2.8900	3000.0	80	41336	No
118	GOM_TRA_1PNPDE20100125_201844_000000442086_00200_41336_6706.N1	25-JAN-2010 20:18:44	Bright	44.000	17	78Bet Gem	1.1610	4500.0	88	41336	No
119	GOM_TRA_1PNPDE20100125_202311_000000372086_00200_41336_6707.N1	25-JAN-2010 20:23:11	Bright	37.000	42	34Bet Aur	1.9000	10200.	74	41336	No
120	GOM_TRA_1PNPDE20100125_203539_000000362086_00200_41336_6708.N1	25-JAN-2010 20:35:39	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	41336	No
121	GOM_TRA_1PNPDE20100125_203907_000000352086_00200_41336_6709.N1	25-JAN-2010 20:39:07	Bright	34.500	60	7Bet UMi	2.0810	3950.0	69	41336	No
122	GOM_TRA_1PNPDE20100125_204342_000000422086_00200_41336_6710.N1	25-JAN-2010 20:43:42	Bright	42.000	119	14Eta Dra	2.7270	4700.0	84	41336	No
123	GOM_TRA_1PNPDE20100125_204639_000000382086_00200_41336_6711.N1	25-JAN-2010 20:46:39	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	41336	No
124	GOM_TRA_1PNPDE20100125_205307_000000582086_00200_41336_6712.N1	25-JAN-2010 20:53:07	Bright	58.000	133	40Zet Her	2.8070	6000.0	116	41336	No
125	GOM_TRA_1PNPDE20100125_205630_000000442086_00200_41336_6713.N1	25-JAN-2010 20:56:30	Bright	43.500	127	27Bet Her	2.7810	4700.0	87	41336	No
126	GOM_TRA_1PNPDE20100125_205807_000000352086_00200_41336_6714.N1	25-JAN-2010 20:58:07	Bright	34.500	59	55Alp Oph	2.0800	8900.0	69	41336	No
127	GOM_TRA_1PNPDE20100125_210013_000000382086_00200_41336_6715.N1	25-JAN-2010 21:00:13	Bright	37.500	126	60Bet Oph	2.7700	4250.0	75	41336	No
128	GOM_TRA_1PNPDE20100125_210450_000000542086_00200_41336_6717.N1	25-JAN-2010 21:04:50	Twilight	54.000	120	1Del Oph	2.7340	3200.0	108	41336	No
129	GOM_TRA_1PNPDE20100125_210628_000000422086_00200_41336_6718.N1	25-JAN-2010 21:06:28	Bright	41.500	86	35Eta Oph	2.4300	10200.	83	41336	No
130	GOM_TRA_1PNPDE20100125_211030_000000562086_00200_41336_6719.N1	25-JAN-2010 21:10:30	Dark	56.000	16	21Alp Sco	1.0200	3000.0	112	41336	No
131	GOM_TRA_1PNPDE20100125_211153_000000472086_00200_41336_6720.N1	25-JAN-2010 21:11:53	Dark	47.000	75	26Eps Sco	2.2910	4250.0	94	41336	No
132	GOM_TRA_1PNPDE20100125_211606_000000432086_00200_41336_6721.N1	25-JAN-2010 21:16:06	Dark	43.000	131	Gam Lup	2.8000	26000.	86	41336	No
133	GOM_TRA_1PNPDE20100125_211810_000000432086_00200_41336_6722.N1	25-JAN-2010 21:18:10	Dark	43.000	109	Bet Lup	2.6770	26000.	86	41336	No
134	GOM_TRA_1PNPDE20100125_211938_000000442086_00201_41337_6723.N1	25-JAN-2010 21:19:38	Dark	44.000	78	Alp Lup	2.3040	28000.	88	41337	No
135	GOM_TRA_1PNPDE20100125_212137_000000422086_00201_41337_6724.N1	25-JAN-2010 21:21:37	Dark	42.000	4	Alp1Cen	-0.010000	5800.0	84	41337	No

136	GOM_TRA_1PNPDE20100125_212312_000000402086_00201_41337_6725.N1	25-JAN-2010 21:23:12	Dark	39.500	77	Eps Cen	2.3030	28000.	79	41337	No
137	GOM_TRA_1PNPDE20100125_212611_000000422086_00201_41337_6726.N1	25-JAN-2010 21:26:11	Dark	41.500	12	Alp1Cru	0.77500	30000.	83	41337	No
138	GOM_TRA_1PNPDE20100125_213027_000000402086_00201_41337_6727.N1	25-JAN-2010 21:30:27	Dark	39.500	159	Ups Car	2.9200	7200.0	79	41337	No
139	GOM_TRA_1PNPDE20100125_213222_000000422086_00201_41337_6728.N1	25-JAN-2010 21:32:22	Dark	42.000	71	lot Car	2.2460	7700.0	84	41337	No
140	GOM_TRA_1PNPDE20100125_213409_000000432086_00201_41337_6729.N1	25-JAN-2010 21:34:09	Dark	43.000	46	Del Vel	1.9540	10600.	86	41337	No
141	GOM_TRA_1PNPDE20100125_213645_000000422086_00201_41337_6730.N1	25-JAN-2010 21:36:45	Dark	42.000	34	Gam2Vel	1.7930	23000.	84	41337	No
142	GOM_TRA_1PNPDE20100125_213851_000000432086_00201_41337_6731.N1	25-JAN-2010 21:38:51	Straylight	42.500	70	Zet Pup	2.2460	39000.	85	41337	No
143	GOM_TRA_1PNPDE20100125_214019_000000422086_00201_41337_6732.N1	25-JAN-2010 21:40:19	Straylight	41.500	117	Pi Pup	2.7060	3800.0	83	41337	No
144	GOM_TRA_1PNPDE20100125_214224_000000362086_00201_41337_6733.N1	25-JAN-2010 21:42:24	Straylight	36.000	88	31Eta CMa	2.4480	20000.	72	41337	No
145	GOM_TRA_1PNPDE20100125_214410_000000382086_00201_41337_6734.N1	25-JAN-2010 21:44:10	Straylight	38.000	179	24Omi2CMa	3.0320	24000.	76	41337	No
146	GOM_TRA_1PNPDE20100125_215223_000000492086_00201_41337_6735.N1	25-JAN-2010 21:52:23	Tw_i_and_stray	48.500	8	10Alp CMi	0.40000	6500.0	97	41337	No
147	GOM_TRA_1PNPDE20100125_215538_000000402086_00201_41337_6736.N1	25-JAN-2010 21:55:38	Bright	40.000	44	24Gam Gem	1.9280	11000.	80	41337	No
148	GOM_TRA_1PNPDE20100125_215725_000000402086_00201_41337_6737.N1	25-JAN-2010 21:57:25	Bright	40.000	151	13Mu Gem	2.8900	3000.0	80	41337	No
149	GOM_TRA_1PNPDE20100125_215920_000000442086_00201_41337_6738.N1	25-JAN-2010 21:59:20	Bright	44.000	17	78Bet Gem	1.1610	4500.0	88	41337	No
150	GOM_TRA_1PNPDE20100125_220347_000000362086_00201_41337_6739.N1	25-JAN-2010 22:03:47	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	41337	No
151	GOM_TRA_1PNPDE20100125_221616_000000322086_00201_41337_6740.N1	25-JAN-2010 22:16:16	Bright	32.000	49	1Alp UMi	1.9900	6300.0	64	41337	No
152	GOM_TRA_1PNPDE20100125_221943_000000412086_00201_41337_6741.N1	25-JAN-2010 22:19:43	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	41337	No
153	GOM_TRA_1PNPDE20100125_222418_000000422086_00201_41337_6742.N1	25-JAN-2010 22:24:18	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	41337	No
154	GOM_TRA_1PNPDE20100125_222715_000000512086_00201_41337_6743.N1	25-JAN-2010 22:27:15	Bright	51.000	130	23Bet Dra	2.7990	5800.0	102	41337	No
155	GOM_TRA_1PNPDE20100125_223344_000000422086_00201_41337_6744.N1	25-JAN-2010 22:33:44	Bright	42.000	133	40Zet Her	2.8070	6000.0	84	41337	No
156	GOM_TRA_1PNPDE20100125_223706_000000422086_00201_41337_6745.N1	25-JAN-2010 22:37:06	Bright	41.500	127	27Bet Her	2.7810	4700.0	83	41337	No
157	GOM_TRA_1PNPDE20100125_223843_000000352086_00201_41337_6746.N1	25-JAN-2010 22:38:43	Bright	34.500	59	55Alp Oph	2.0800	8900.0	69	41337	No
158	GOM_TRA_1PNPDE20100125_224050_000000352086_00201_41337_6747.N1	25-JAN-2010 22:40:50	Bright	35.000	126	60Bet Oph	2.7700	4250.0	70	41337	No
159	GOM_TRA_1PNPDE20100125_224526_000000542086_00201_41337_6748.N1	25-JAN-2010 22:45:26	Tw_i_and_stray	53.500	120	1Del Oph	2.7340	3200.0	107	41337	No
160	GOM_TRA_1PNPDE20100125_224704_000000432086_00201_41337_6749.N1	25-JAN-2010 22:47:04	Bright	43.000	86	35Eta Oph	2.4300	10200.	86	41337	No
161	GOM_TRA_1PNPDE20100125_225106_000000492086_00201_41337_6734.N1	25-JAN-2010 22:51:06	Dark	49.000	16	21Alp Sco	1.0200	3000.0	98	41337	No
162	GOM_TRA_1PNPDE20100125_225230_000000462086_00201_41337_6735.N1	25-JAN-2010 22:52:30	Dark	45.500	75	26Eps Sco	2.2910	4250.0	91	41337	No
163	GOM_TRA_1PNPDE20100125_225643_000000412086_00201_41337_6736.N1	25-JAN-2010 22:56:43	Dark	41.000	131	Gam Lup	2.8000	26000.	82	41337	No
164	GOM_TRA_1PNPDE20100125_225847_000000442086_00201_41337_6737.N1	25-JAN-2010 22:58:47	Dark	44.000	109	Bet Lup	2.6770	26000.	88	41337	No
165	GOM_TRA_1PNPDE20100125_230015_000000442086_00202_41338_6738.N1	25-JAN-2010 23:00:15	Dark	44.000	78	Alp Lup	2.3040	28000.	88	41338	No
166	GOM_TRA_1PNPDE20100125_230213_000000462086_00202_41338_6739.N1	25-JAN-2010 23:02:13	Dark	45.500	4	Alp1Cen	-0.010000	5800.0	91	41338	No
167	GOM_TRA_1PNPDE20100125_230348_000000422086_00202_41338_6740.N1	25-JAN-2010 23:03:48	Dark	41.500	77	Eps Cen	2.3030	28000.	83	41338	No
168	GOM_TRA_1PNPDE20100125_230647_000000452086_00202_41338_6741.N1	25-JAN-2010 23:06:47	Dark	44.500	12	Alp1Cru	0.77500	30000.	89	41338	No
169	GOM_TRA_1PNPDE20100125_231103_000000432086_00202_41338_6742.N1	25-JAN-2010 23:11:03	Dark	43.000	159	Ups Car	2.9200	7200.0	86	41338	No
170	GOM_TRA_1PNPDE20100125_231258_000000502086_00202_41338_6743.N1	25-JAN-2010 23:12:58	Dark	50.000	71	lot Car	2.2460	7700.0	100	41338	No
171	GOM_TRA_1PNPDE20100125_231446_000000422086_00202_41338_6744.N1	25-JAN-2010 23:14:46	Dark	41.500	46	Del Vel	1.9540	10600.	83	41338	No
172	GOM_TRA_1PNPDE20100125_231721_000000402086_00202_41338_6745.N1	25-JAN-2010 23:17:21	Dark	40.000	34	Gam2Vel	1.7930	23000.	80	41338	No
173	GOM_TRA_1PNPDE20100125_231928_000000412086_00202_41338_6746.N1	25-JAN-2010 23:19:28	Straylight	41.000	70	Zet Pup	2.2460	39000.	82	41338	No
174	GOM_TRA_1PNPDE20100125_232056_000000402086_00202_41338_6747.N1	25-JAN-2010 23:20:56	Straylight	40.000	117	Pi Pup	2.7060	3800.0	80	41338	No
175	GOM_TRA_1PNPDE20100125_232300_000000392086_00202_41338_6748.N1	25-JAN-2010 23:23:00	Straylight	38.500	88	31Eta CMa	2.4480	20000.	77	41338	No
176	GOM_TRA_1PNPDE20100125_232446_000000412086_00202_41338_6749.N1	25-JAN-2010 23:24:46	Straylight	40.500	179	24Omi2CMa	3.0320	24000.	81	41338	No
177	GOM_TRA_1PNPDE20100125_233259_000000492086_00202_41338_6750.N1	25-JAN-2010 23:32:59	Tw_i_and_stray	49.000	8	10Alp CMi	0.40000	6500.0	98	41338	No
178	GOM_TRA_1PNPDE20100125_233614_000000402086_00202_41338_6751.N1	25-JAN-2010 23:36:14	Bright	40.000	44	24Gam Gem	1.9280	11000.	80	41338	No
179	GOM_TRA_1PNPDE20100125_233801_000000402086_00202_41338_6752.N1	25-JAN-2010 23:38:01	Bright	39.500	151	13Mu Gem	2.8900	3000.0	79	41338	No
180	GOM_TRA_1PNPDE20100125_233956_000000442086_00202_41338_6753.N1	25-JAN-2010 23:39:56	Bright	43.500	17	78Bet Gem	1.1610	4500.0	87	41338	No
181	GOM_TRA_1PNPDE20100125_234423_000000372086_00202_41338_6754.N1	25-JAN-2010 23:44:23	Bright	37.000	42	34Bet Aur	1.9000	10200.	74	41338	No
182	GOM_TRA_1PNPDE20100125_235651_000000362086_00202_41338_6755.N1	25-JAN-2010 23:56:51	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	41338	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).

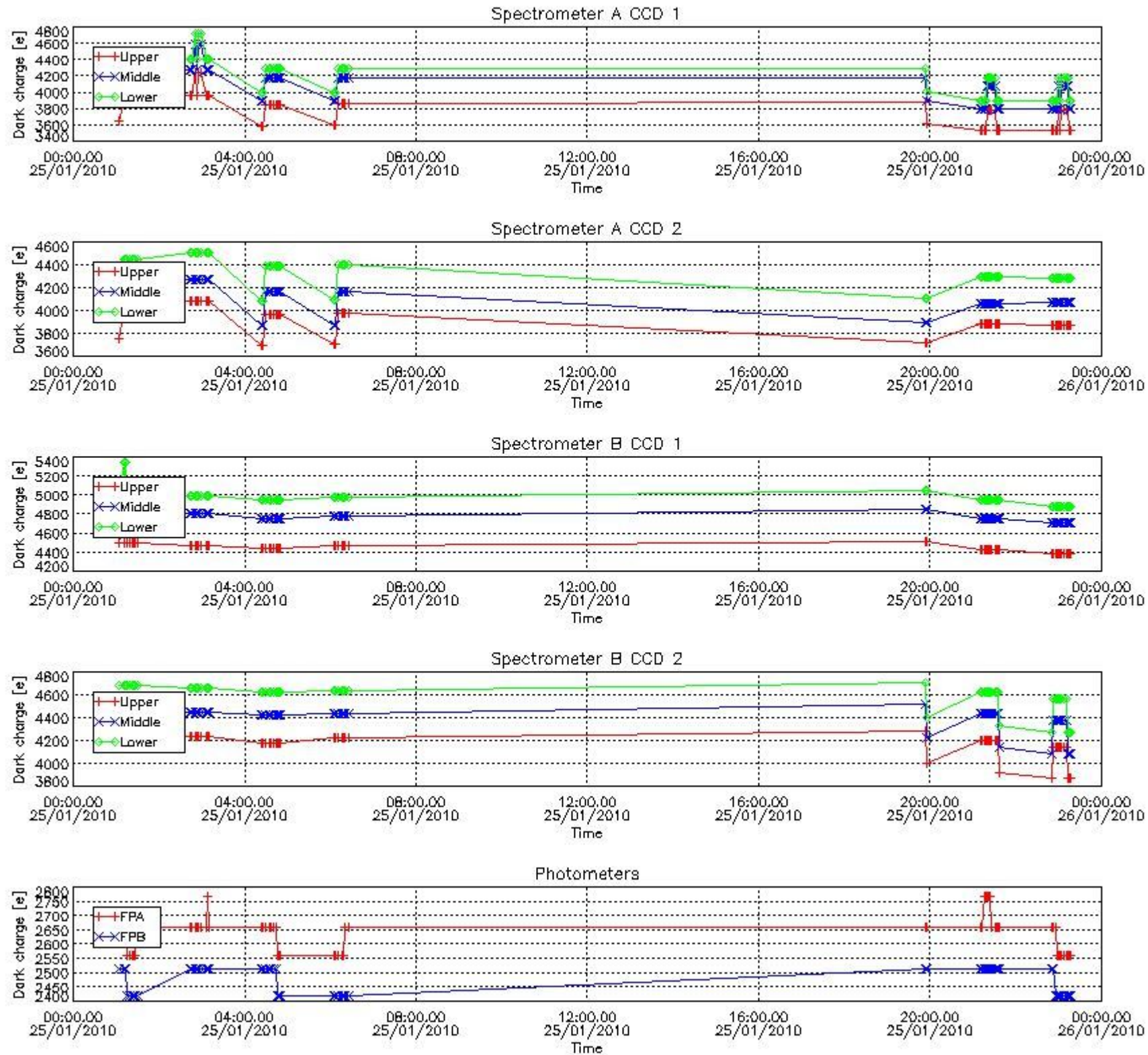
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20100125_195333_000000442086_00200_41336_6697.N1	DC map used
GOM_TRA_1PNPDE20100125_195609_000000432086_00200_41336_6698.N1	DC map used
GOM_TRA_1PNPDE20100125_195815_000000442086_00200_41336_6699.N1	DC map used
GOM_TRA_1PNPDE20100125_195943_000000442086_00200_41336_6700.N1	DC map used
GOM_TRA_1PNPDE20100125_200148_000000412086_00200_41336_6701.N1	DC map used
GOM_TRA_1PNPDE20100125_200334_000000372086_00200_41336_6702.N1	DC map used
GOM_TRA_1PNPDE20100125_201147_000000512086_00200_41336_6703.N1	DC map used
GOM_TRA_1PNPDE20100125_201502_000000402086_00200_41336_6704.N1	DC map used
GOM_TRA_1PNPDE20100125_201649_000000402086_00200_41336_6705.N1	DC map used
GOM_TRA_1PNPDE20100125_201844_000000442086_00200_41336_6706.N1	DC map used
GOM_TRA_1PNPDE20100125_202311_000000372086_00200_41336_6707.N1	DC map used
GOM_TRA_1PNPDE20100125_203539_000000362086_00200_41336_6708.N1	DC map used
GOM_TRA_1PNPDE20100125_203907_000000352086_00200_41336_6709.N1	DC map used
GOM_TRA_1PNPDE20100125_204342_000000422086_00200_41336_6710.N1	DC map used

GOM_TRA_1PNPDE20100125_204639_000000382086_00200_41336_6711.N1	DC map used
GOM_TRA_1PNPDE20100125_205307_000000582086_00200_41336_6712.N1	DC map used
GOM_TRA_1PNPDE20100125_205630_000000442086_00200_41336_6713.N1	DC map used
GOM_TRA_1PNPDE20100125_205807_000000352086_00200_41336_6714.N1	DC map used
GOM_TRA_1PNPDE20100125_210013_000000382086_00200_41336_6715.N1	DC map used

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



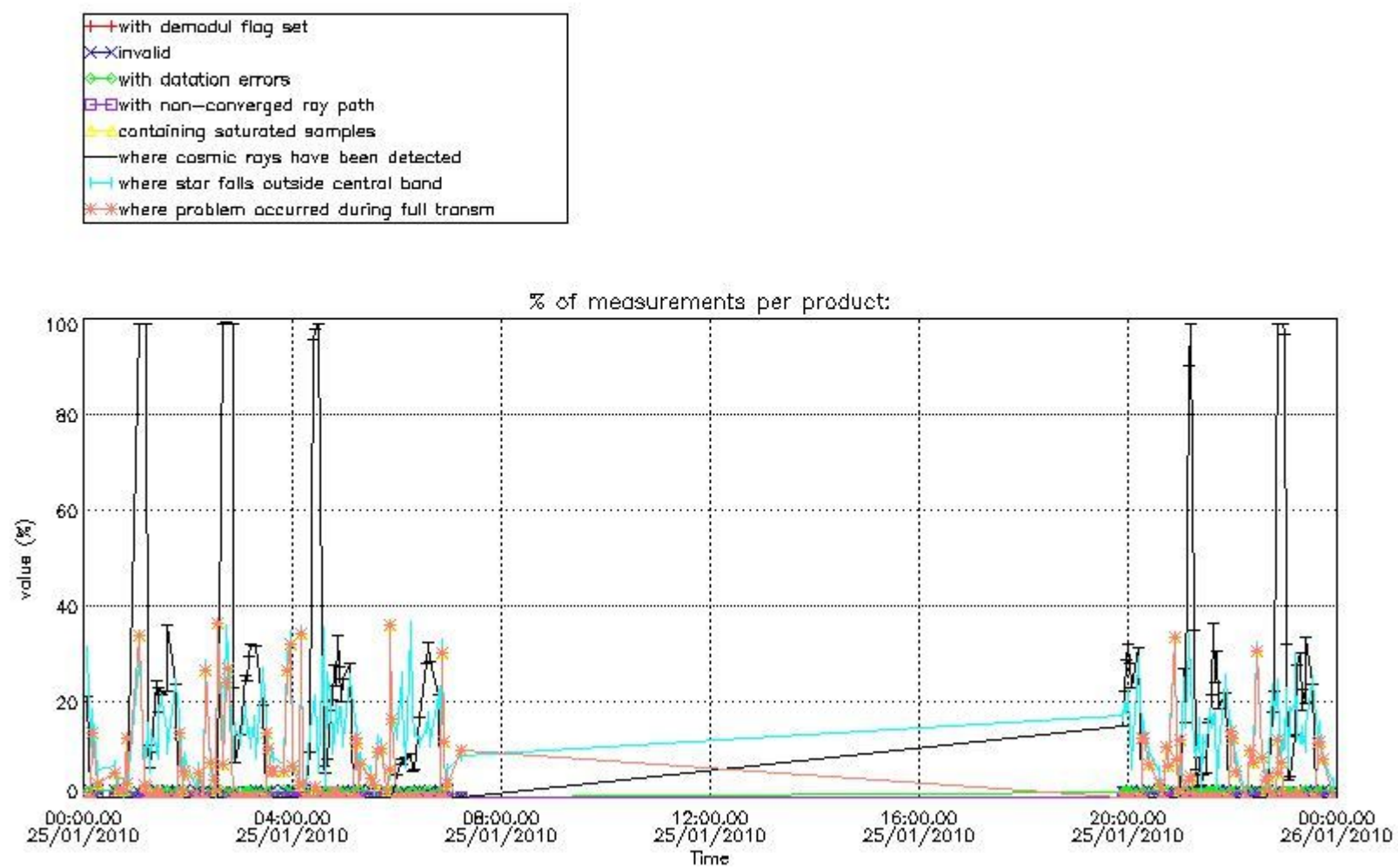
5. Demodulation flag and quality information monitoring

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.

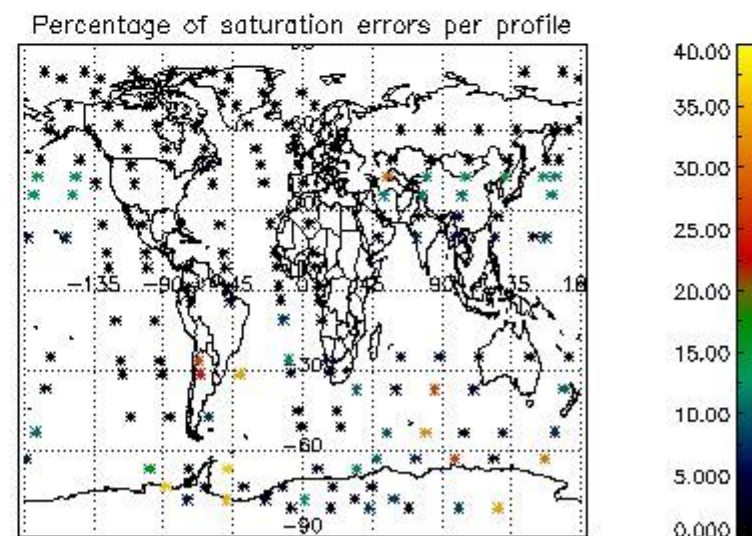
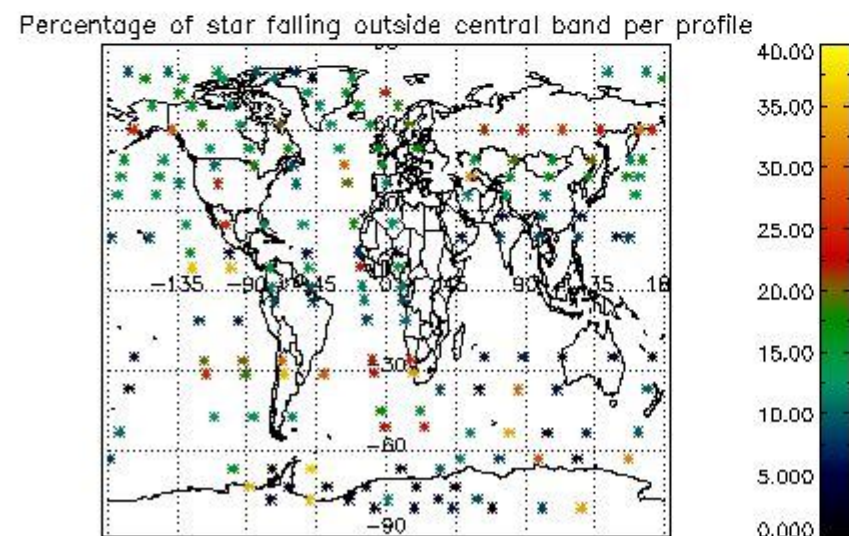
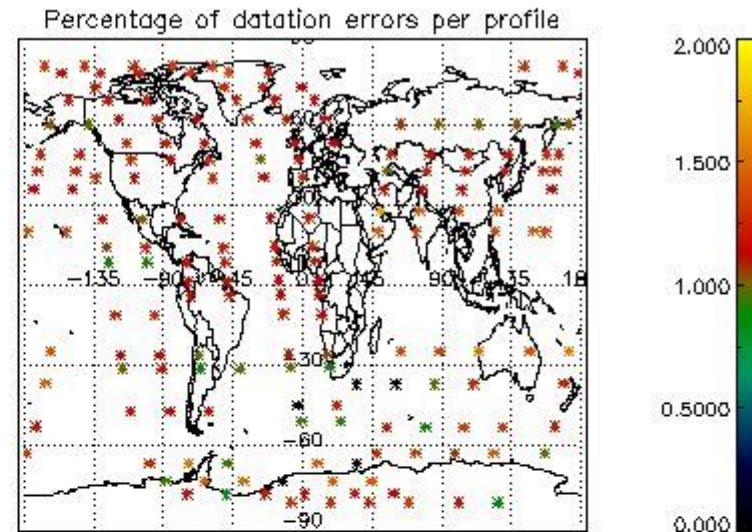
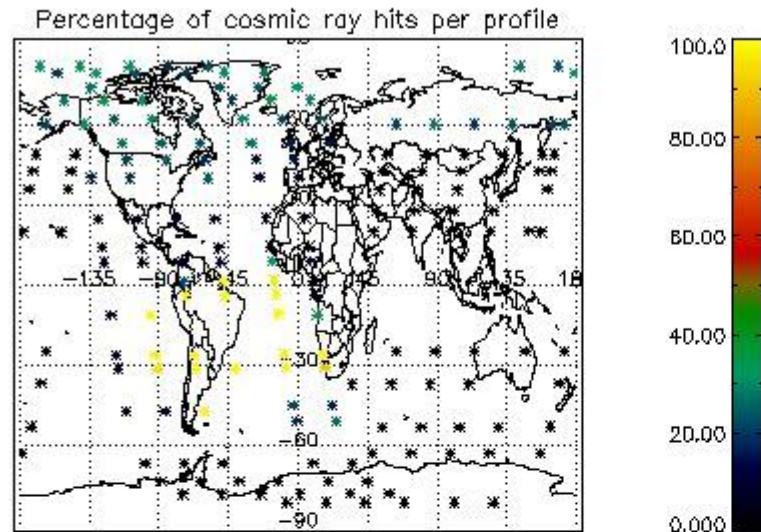
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	34.0659 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



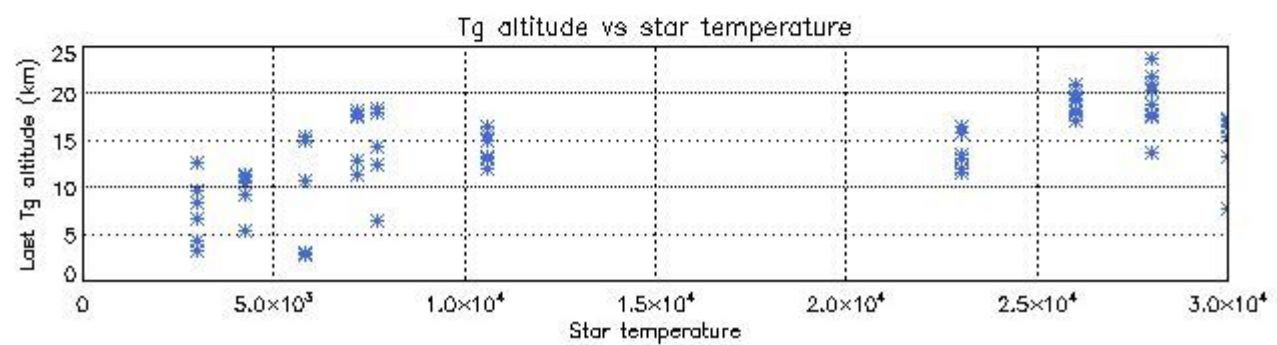
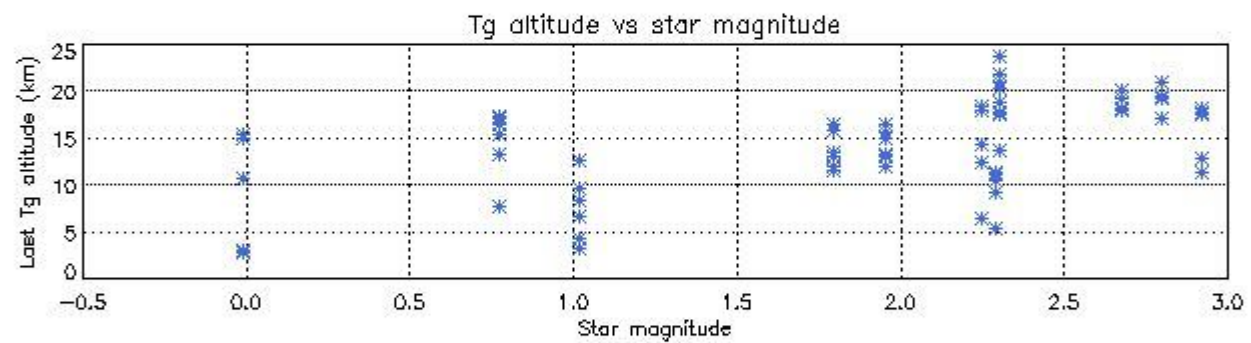
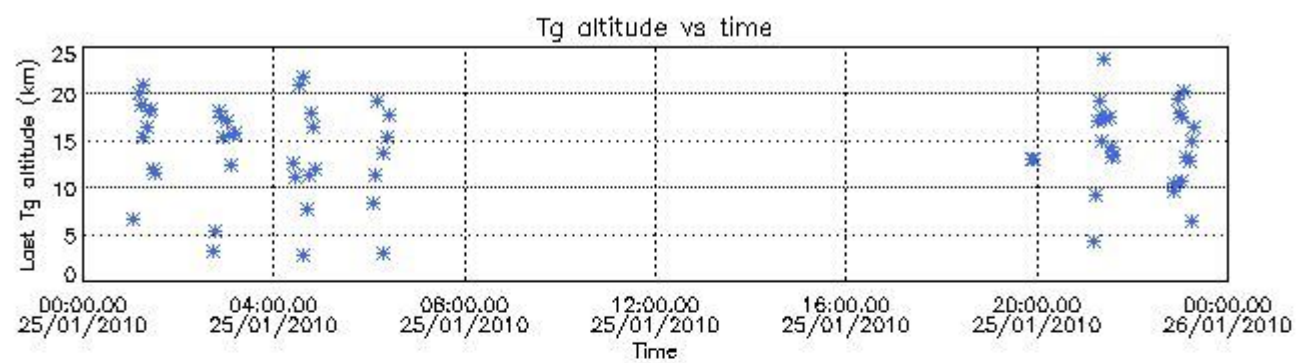
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.202	17.567	NaN
St. deviation:	4.9230	6.4386	NaN
Maximum:	23.651	38.580	NaN
Minimum:	2.8033	3.9306	NaN
Number of data:	62.000	83.000	NaN

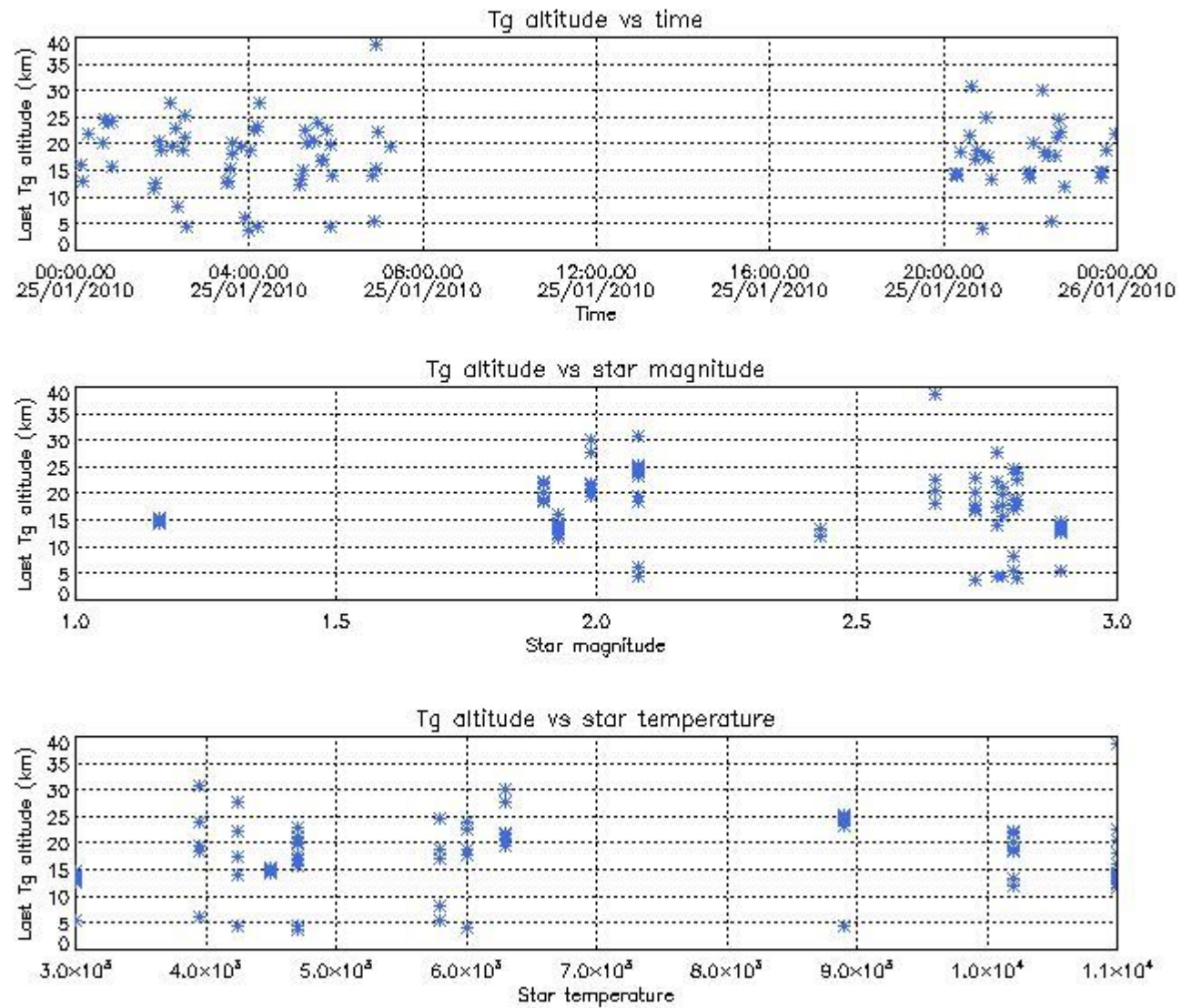
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

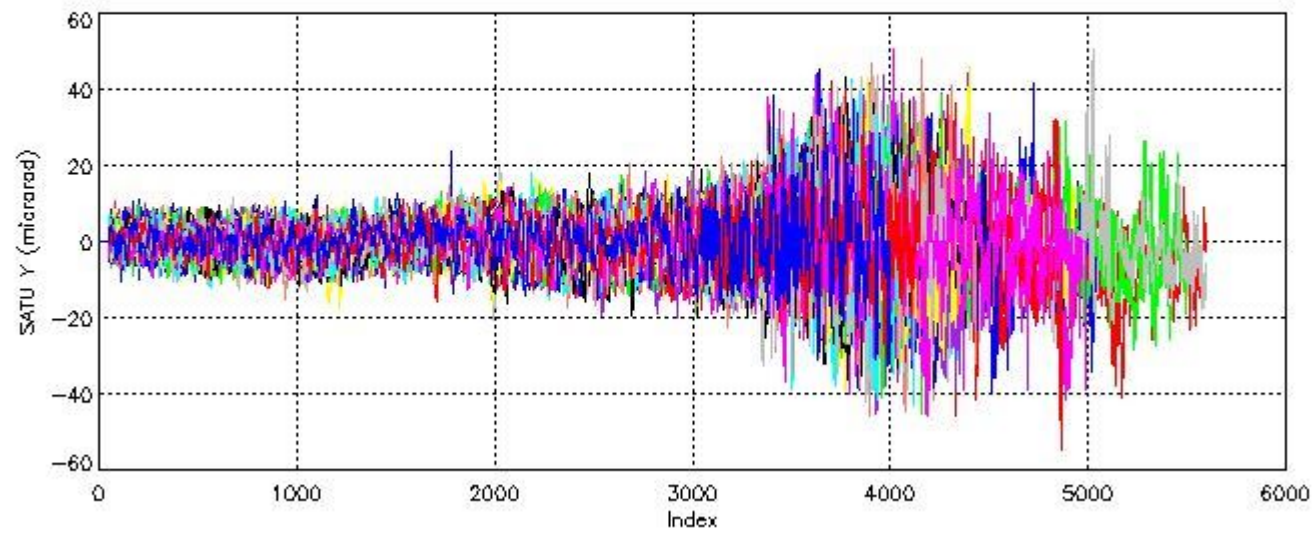
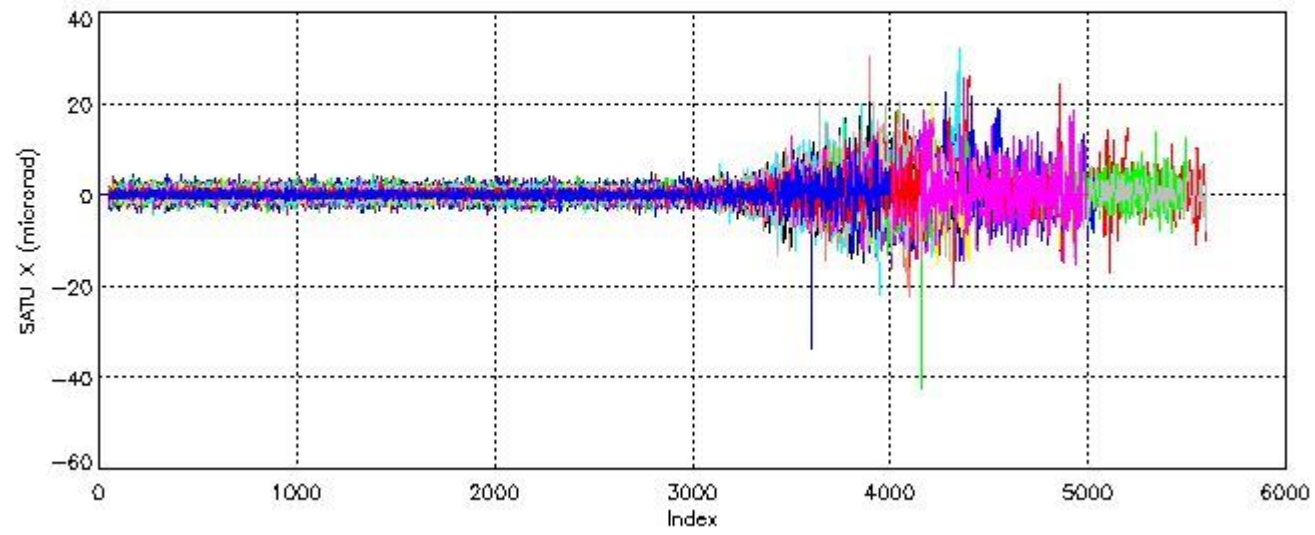


7. Star Acquisition and Tracking Unit (SATU)

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:	0.15184	0.14675	0.085047	-0.10091
St. deviation:	0.58350	3.0695	0.63775	3.1354
Maximum:	4.6000	11.600	4.3000	11.300
Minimum:	-4.2000	-12.700	-3.8000	-13.800

Number of data:	57650.	57650.	72950.	72950.
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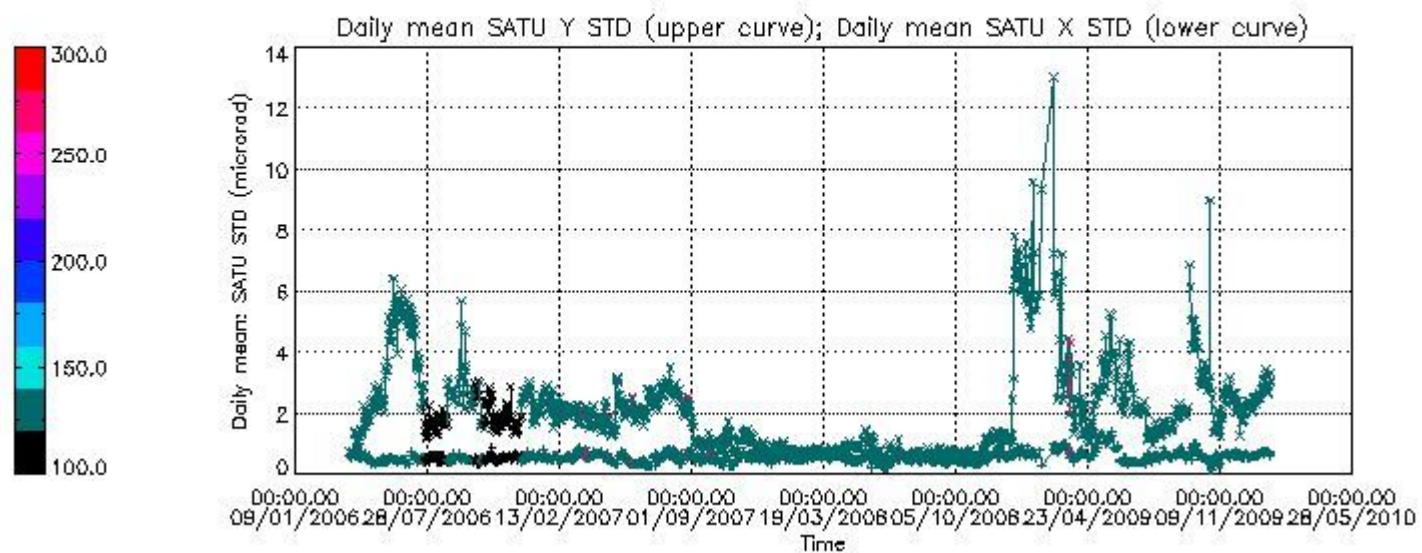
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

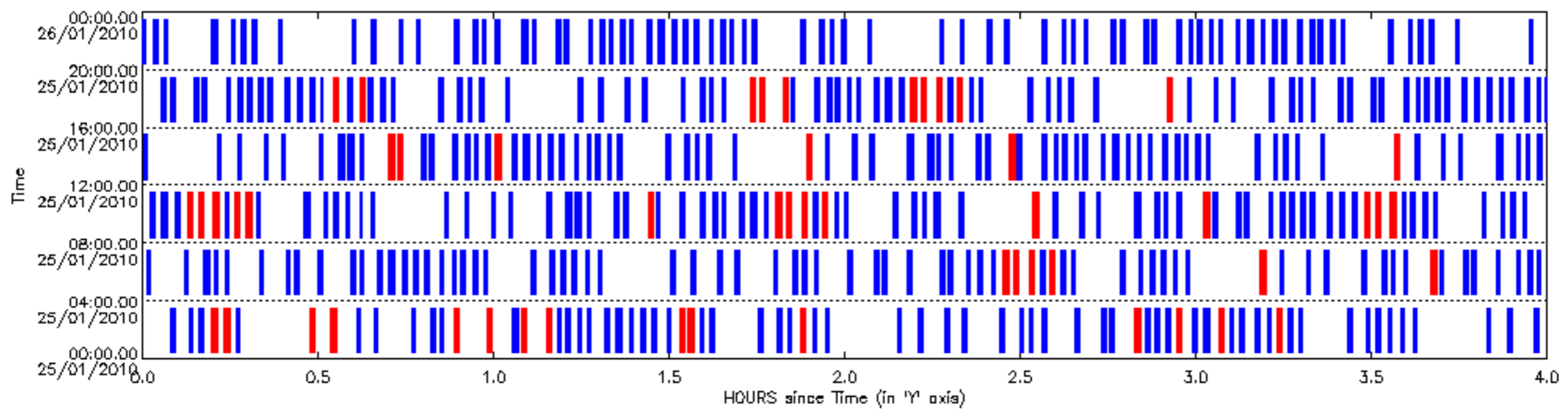
Lower curve: STD of SATU X axis

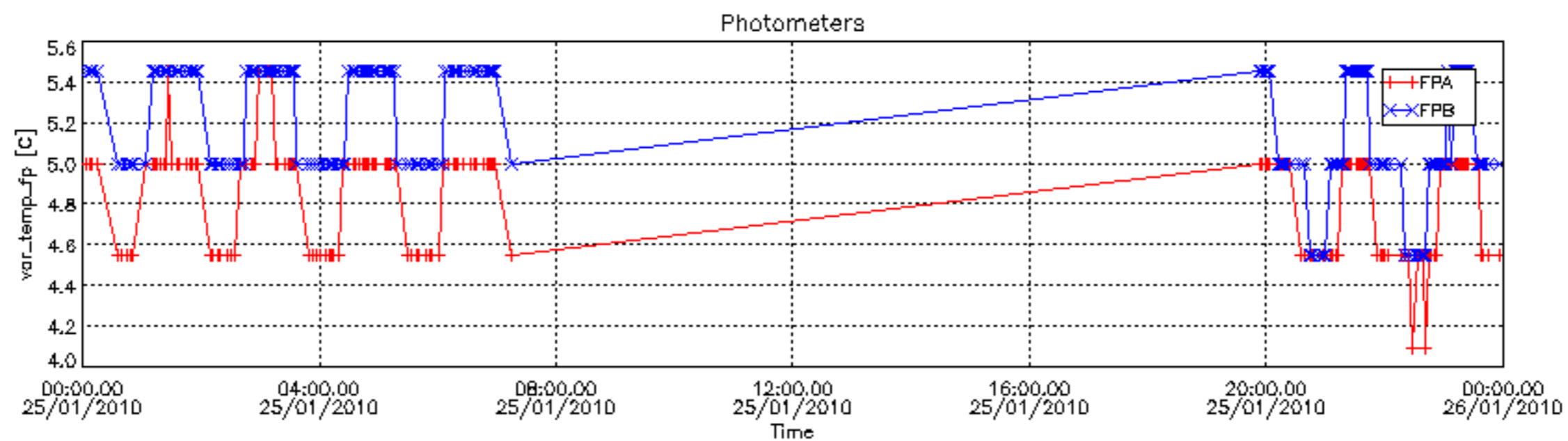
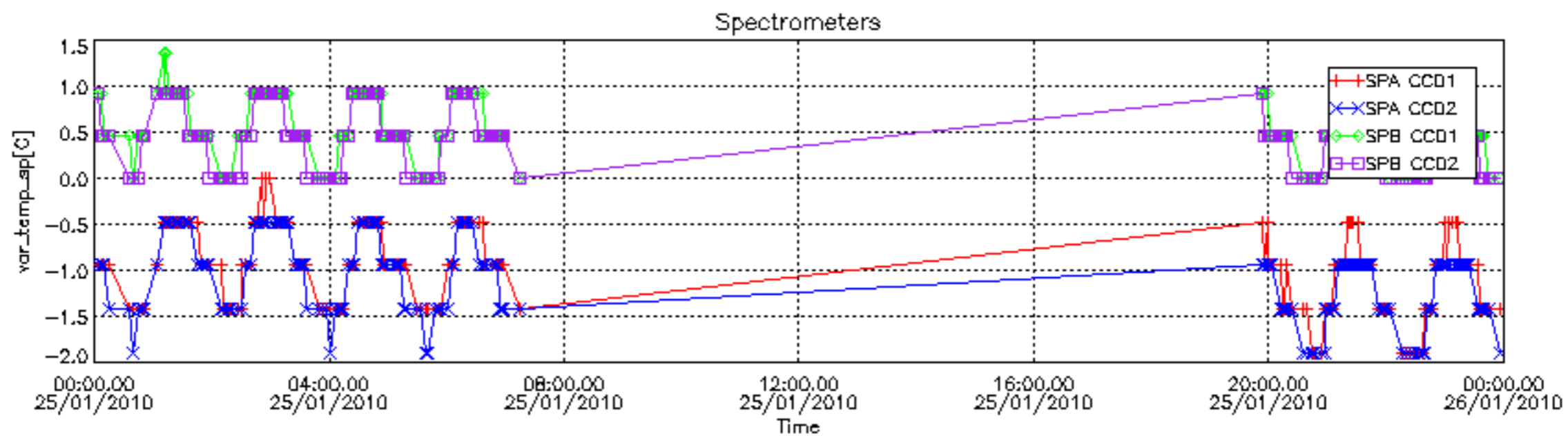


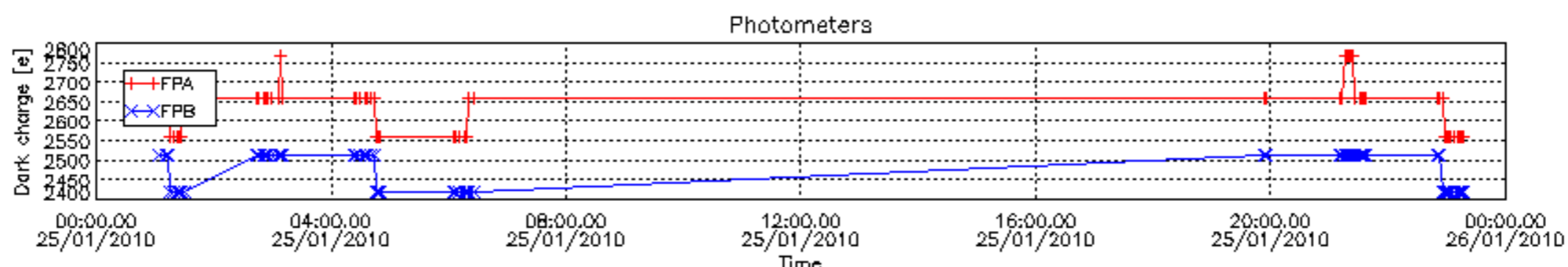
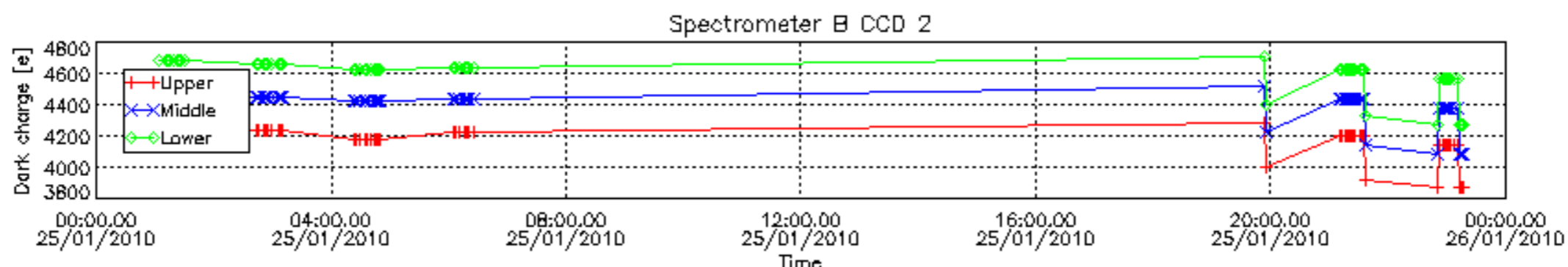
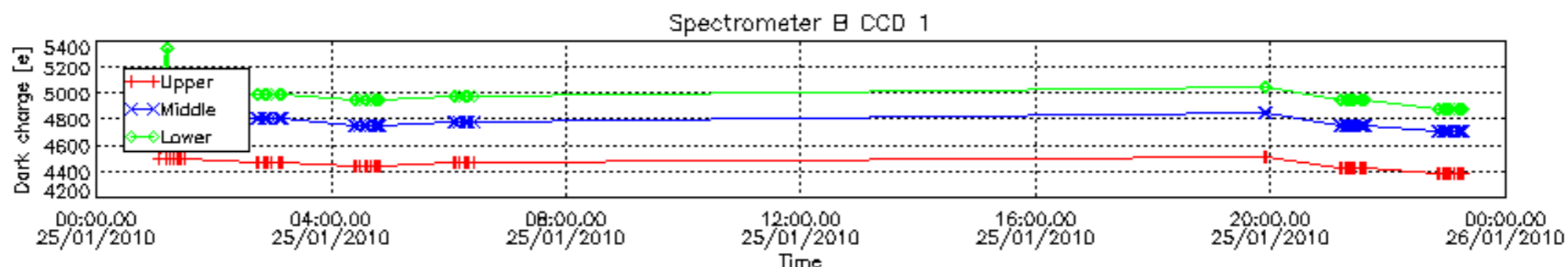
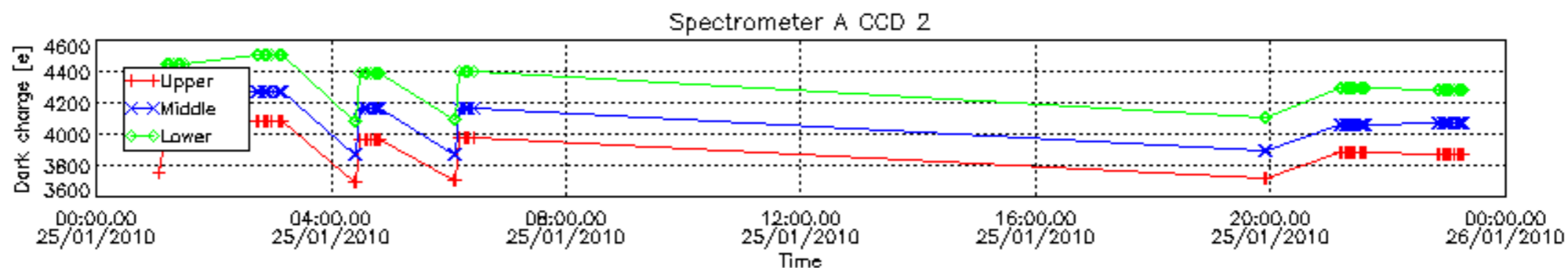
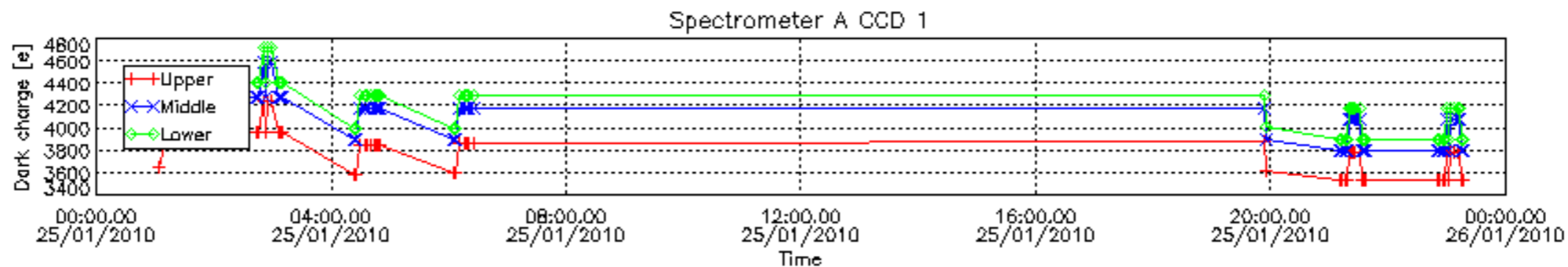
8. Auxiliary Data Files used for the production reported in section 2.4

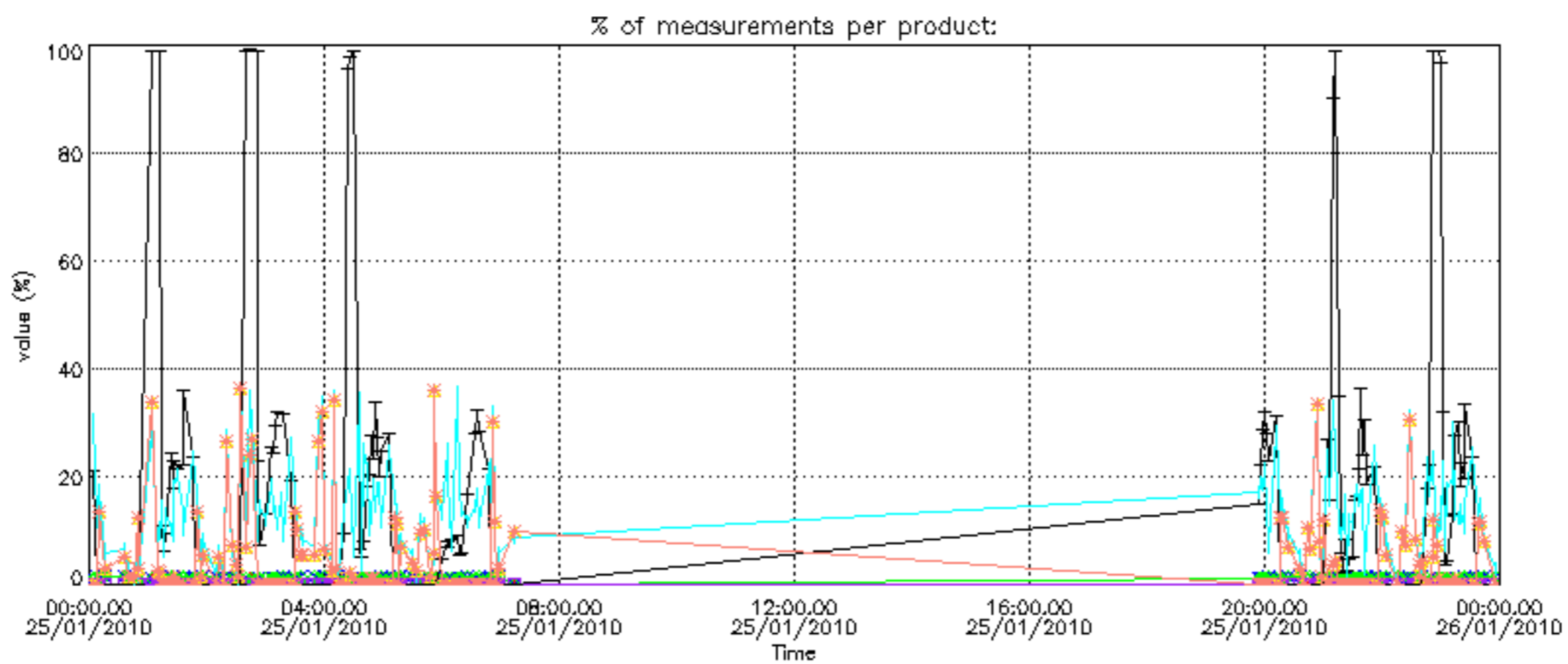
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	25-JAN-2010 00:04:37
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100120_153031_20100118_000000_20500101_000000	1	25-JAN-2010 00:04:37
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	25-JAN-2010 00:04:37
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	25-JAN-2010 00:04:37
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	25-JAN-2010 00:04:37
ECMWF_FILE	AUX_ECF_AXNECM20100124_062110_20100124_210000_20100125_090000	1	25-JAN-2010 00:04:37
ECMWF_FILE	AUX_ECF_AXNECM20100124_180830_20100125_030000_20100125_150000	54	25-JAN-2010 03:49:40
ECMWF_FILE	AUX_ECA_AXNECM20100125_060112_20100124_210000_20100125_090000	85	25-JAN-2010 05:38:20
ECMWF_FILE	AUX_ECF_AXNECM20100125_062111_20100125_150000_20100126_030000	109	25-JAN-2010 19:53:33
ECMWF_FILE	AUX_ECF_AXNECM20100125_062111_20100125_210000_20100126_090000	128	25-JAN-2010 21:04:50
OPTIONAL_ECMWF_FILE	MISSING	1	25-JAN-2010 00:04:37
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100124_231604_000057382086_00187_41323_9634.N1	1	25-JAN-2010 00:04:37
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100125_005701_000092452086_00188_41324_9635.N1	10	25-JAN-2010 01:03:12
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100125_033625_000066952086_00190_41326_9636.N1	54	25-JAN-2010 03:49:40
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100124_234828_20100124_182934_20100203_213623	85	25-JAN-2010 05:38:20
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100125_194843_000038252086_00200_41336_9638.N1	109	25-JAN-2010 19:53:33
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100125_205748_000060572086_00200_41336_9639.N1	128	25-JAN-2010 21:04:50
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100125_224404_000057382086_00201_41337_9640.N1	161	25-JAN-2010 22:51:06

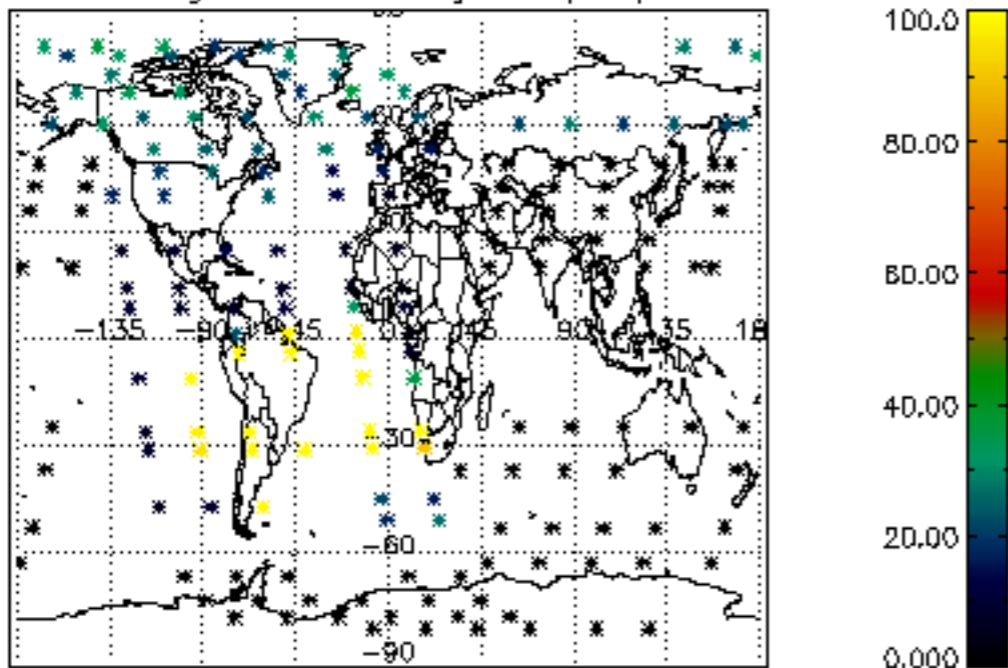




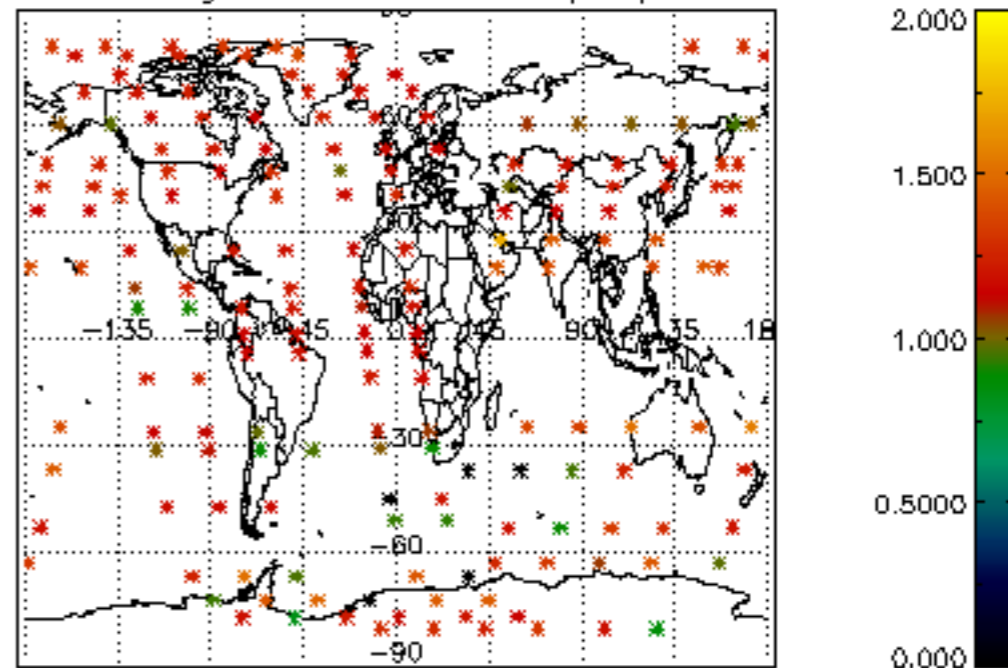




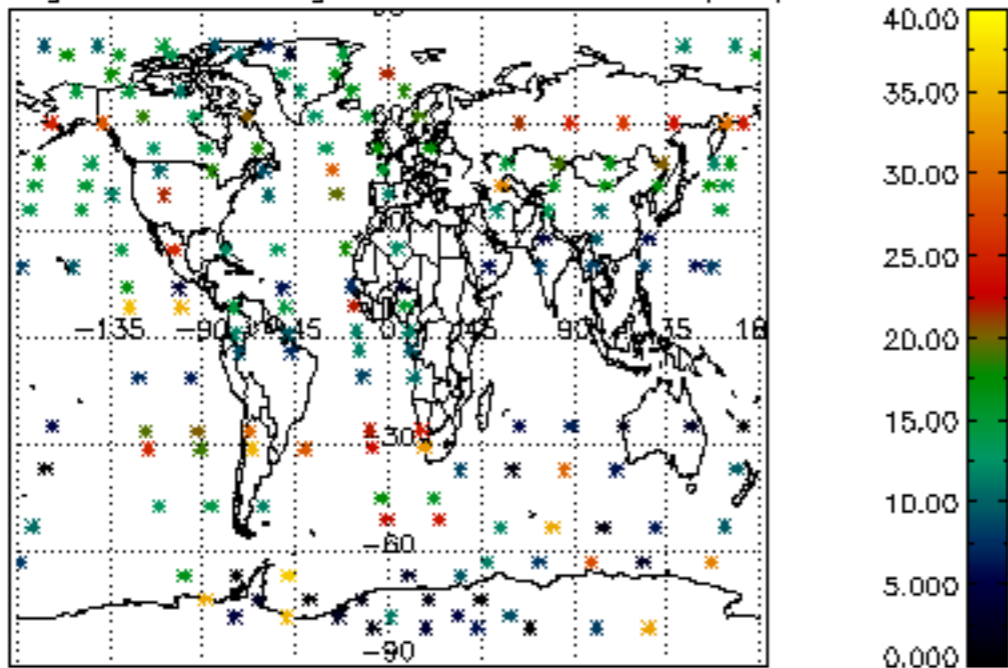
Percentage of cosmic ray hits per profile



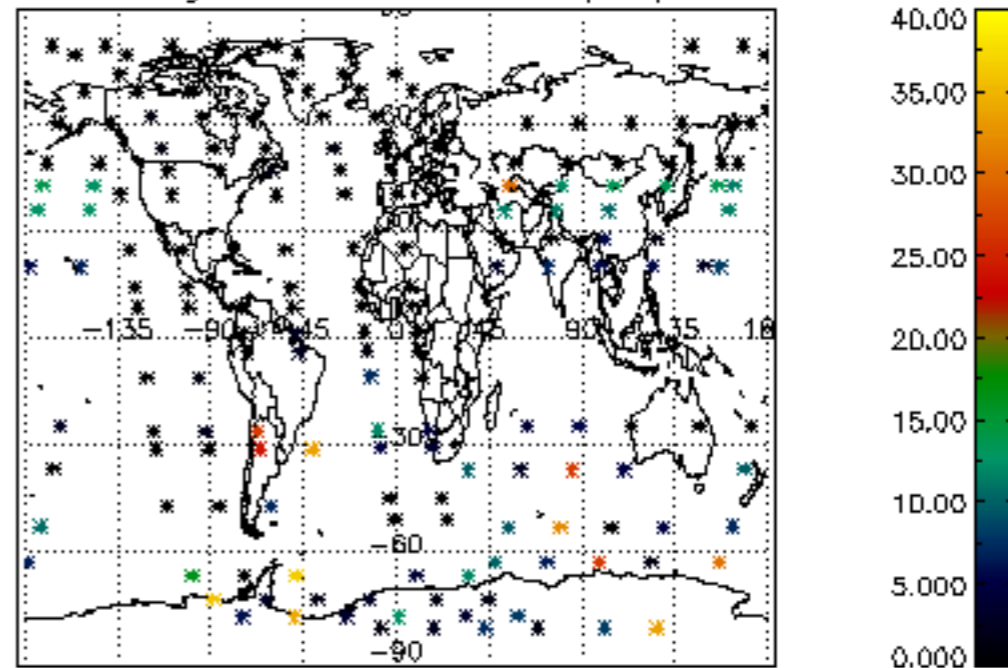
Percentage of datation errors per profile



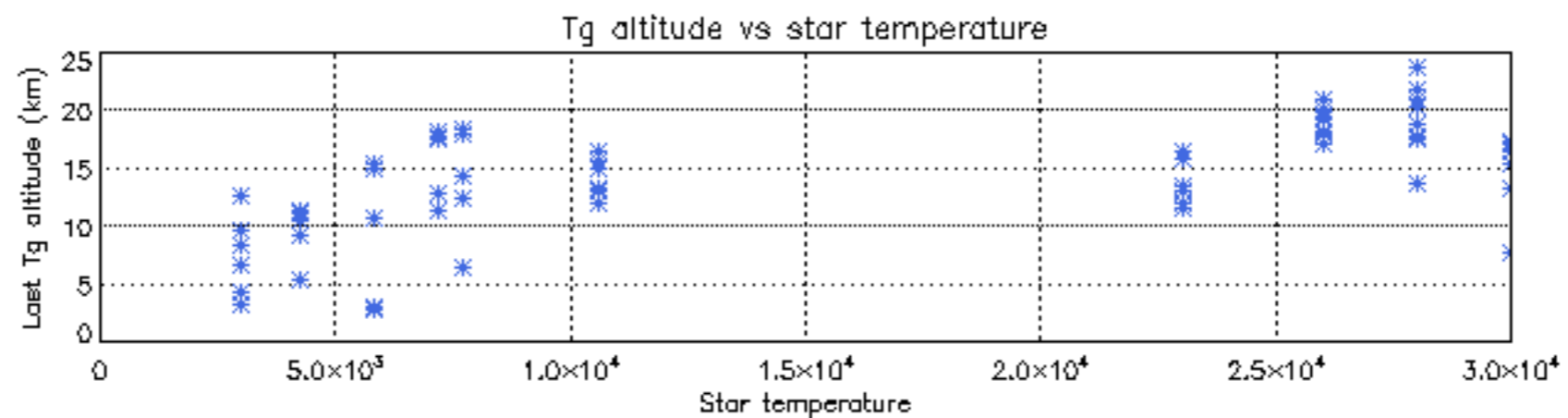
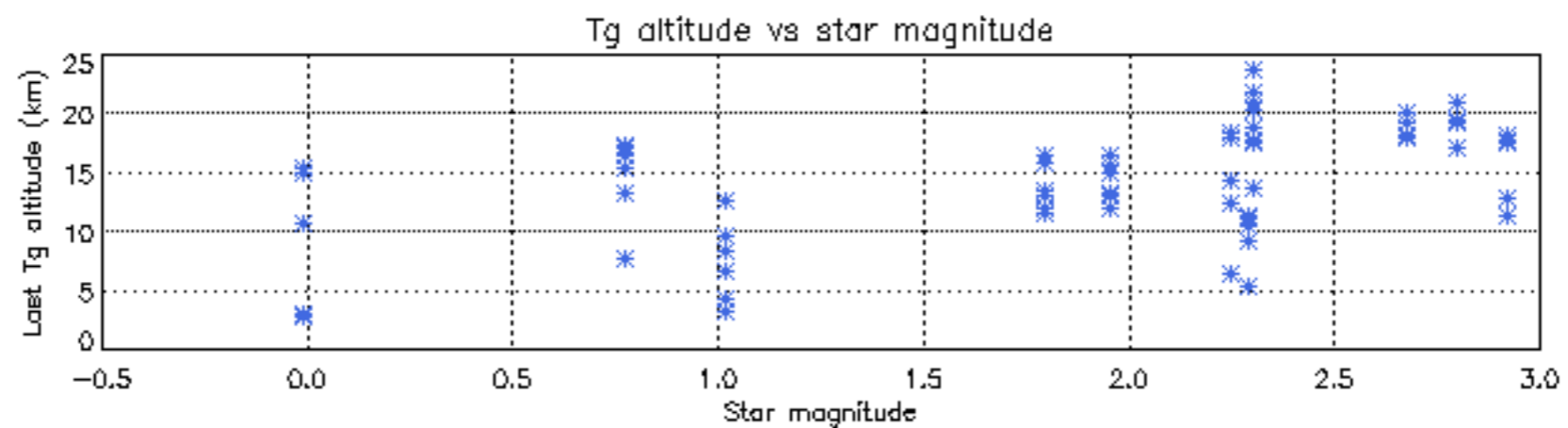
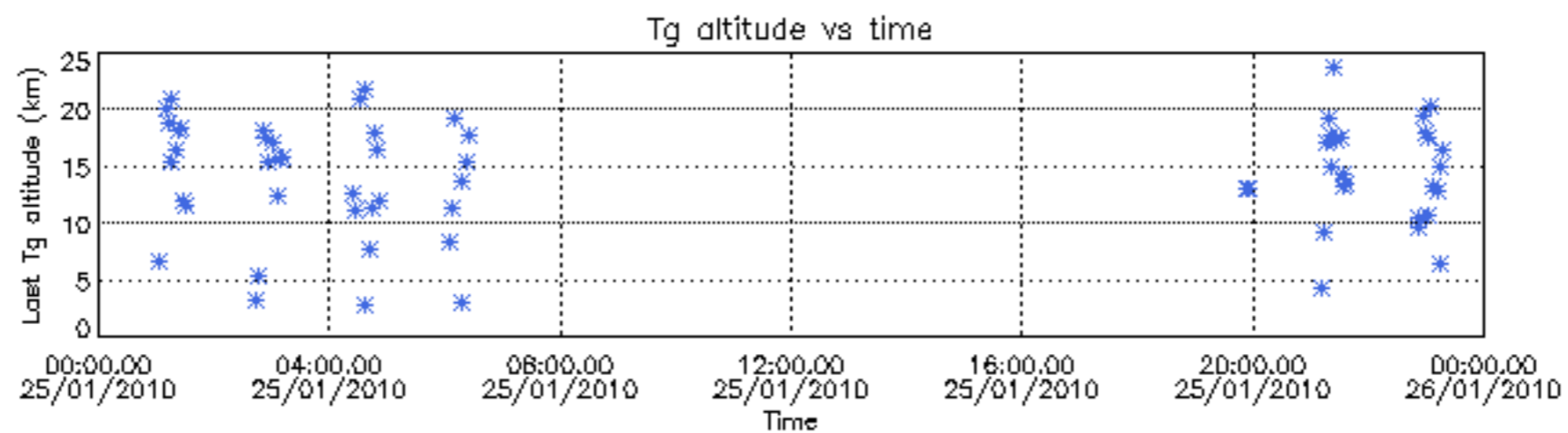
Percentage of star falling outside central band per profile



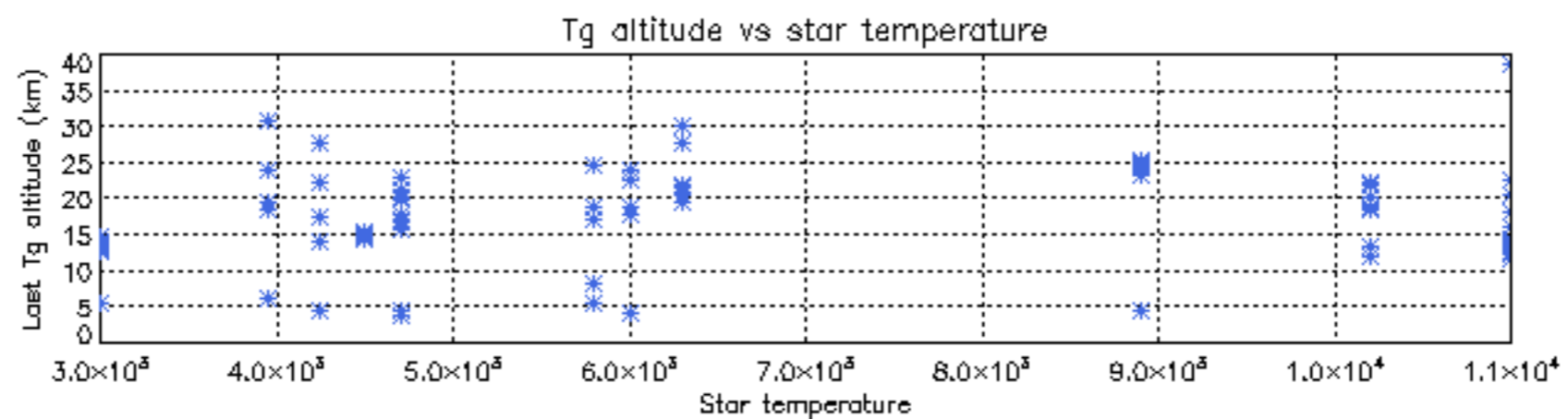
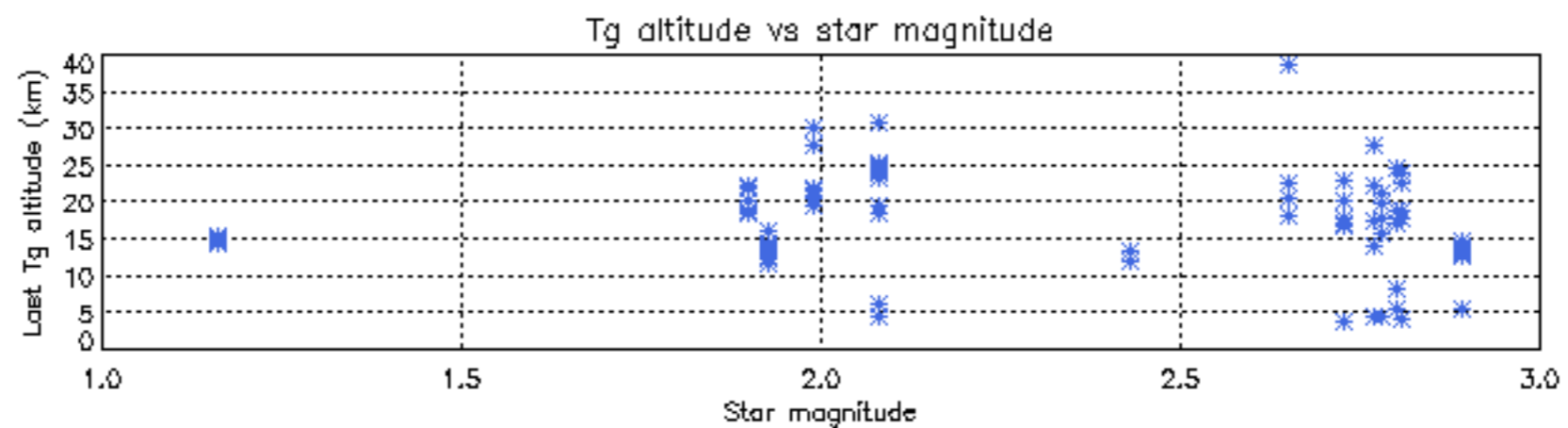
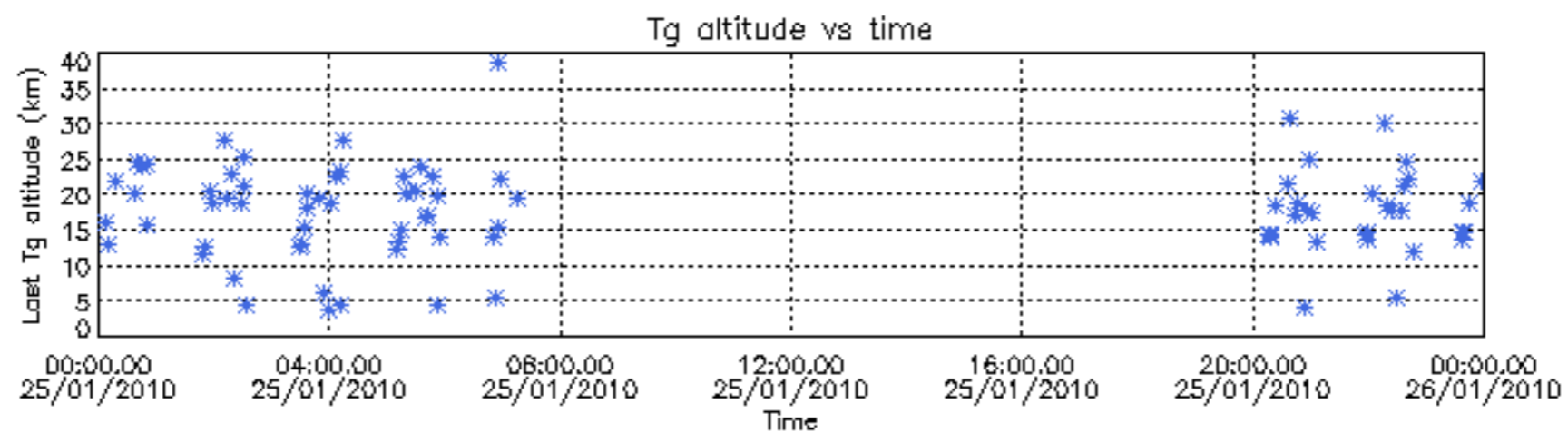
Percentage of saturation errors per profile

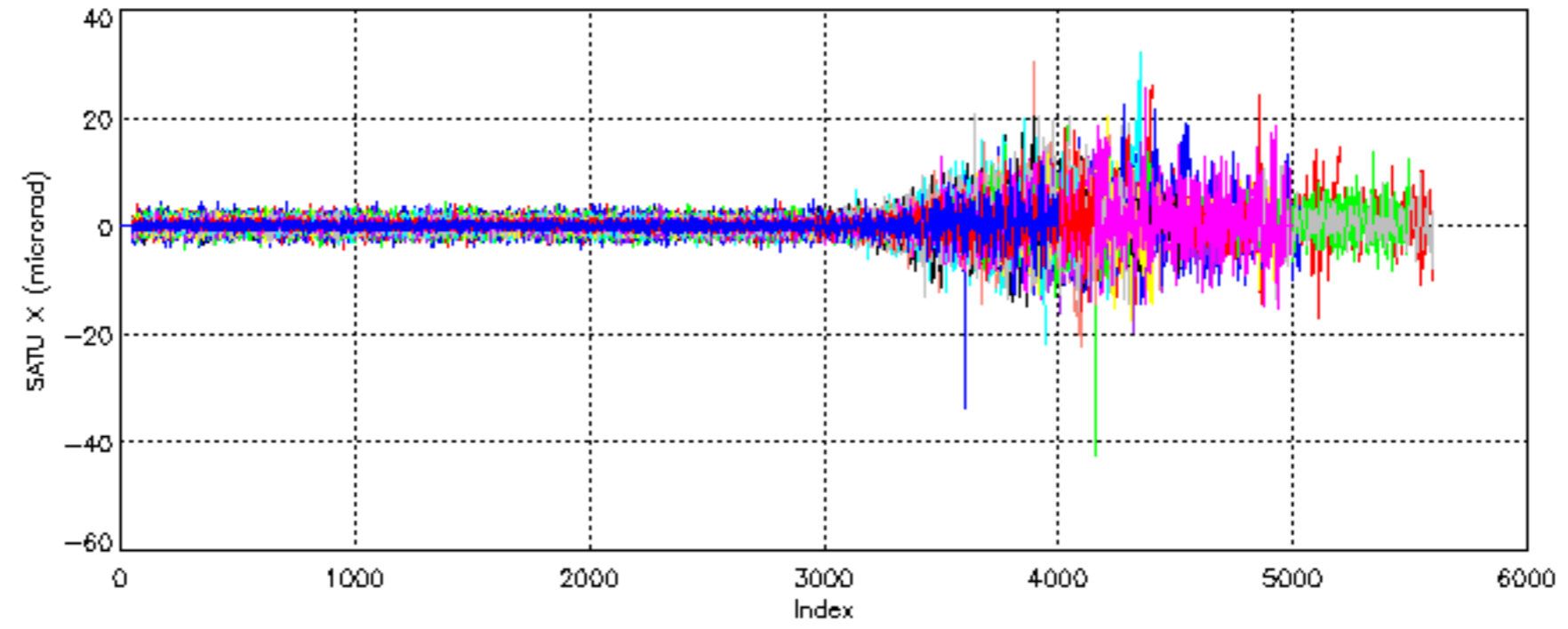


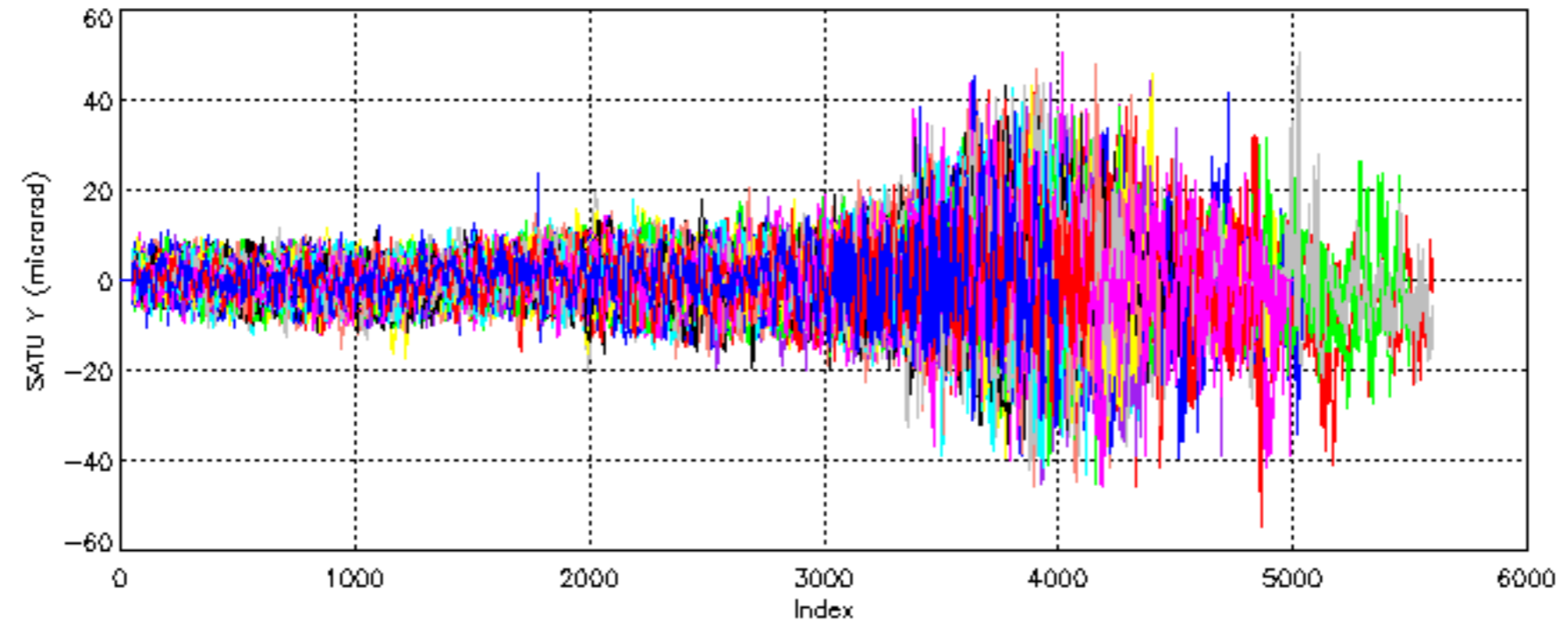
Tangent altitude at which the star is lost

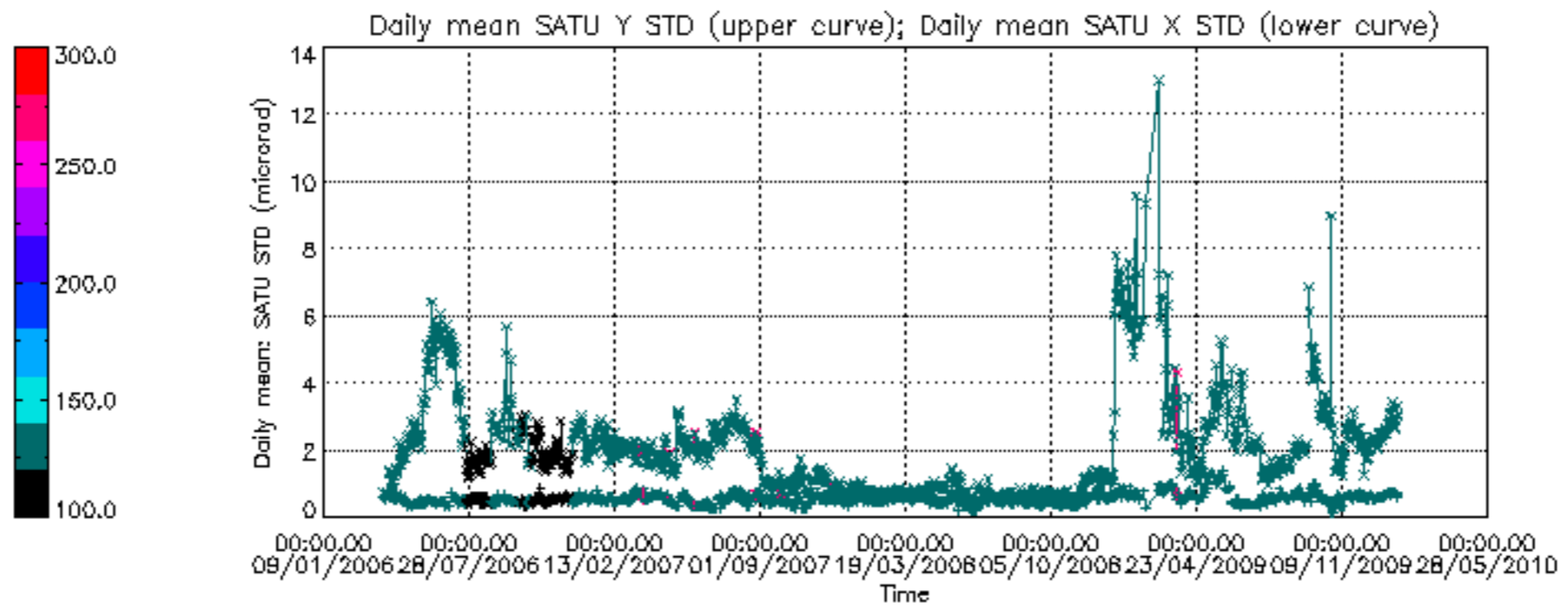


Tangent altitude at which the star is lost










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/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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 22; 6544.9; 03-JAN-2010 14:36:37; Dark ; 47.5; 113; Mu Vel ; 2.69; 5000;occ; 95; 0;41017
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 9; -653.1; 04-JAN-2010 07:03:14; Dark ; 47.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 94; 0;41027
 10; -233.8; 04-JAN-2010 07:10:14; Dark ; 46.5; 54; 5The Cen ; 2.06; 4500;occ; 93; 0;41027
 11; 145.3; 04-JAN-2010 07:16:33; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;41028
 12; 253.6; 04-JAN-2010 07:18:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41028
 13; 517.9; 04-JAN-2010 07:22:45; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;41028
 14; 655.5; 04-JAN-2010 07:25:03; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;41028
 15; 769.9; 04-JAN-2010 07:26:57; Dark ; 40.5; 46; Del Vel ; 1.95; 10600;occ; 81; 0;41028
 16; 939.9; 04-JAN-2010 07:29:47; Dark ; 41.5; 34; Gam2Vel ; 1.79; 23000;occ; 83; 0;41028
 17; 1071.1; 04-JAN-2010 07:31:58; Dark ; 45.0; 70; Zet Pup ; 2.25; 39000;occ; 90; 0;41028
 18; 1189.1; 04-JAN-2010 07:33:56; Dark ; 45.0; 117; Pi Pup ; 2.71; 3800;occ; 90; 0;41028
 19; 1353.2; 04-JAN-2010 07:36:41; Dark ; 45.0; 23; 21Eps CMa ; 1.50; 26000;occ; 90; 0;41028
 20; 1443.7; 04-JAN-2010 07:38:11; Dark ; 45.0; 179; 24Omi2CMA ; 3.03; 24000;occ; 90; 0;41028
 21; 1587.4; 04-JAN-2010 07:40:35; Dark ; 48.0; 1; 9Alp CMa ; -1.44; 11000;occ; 96; 0;41028

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

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

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

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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
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8; 3954.8; 04-JAN-2010 13:21:50; Bright; 47.0; 55; 79Zet UMa ; 2.06; 10200;occ; 94; 0;41031
9; 4354.7; 04-JAN-2010 13:28:30; Bright; 43.0; 180; 27Gam Boo ; 3.04; 8000;occ; 86; 0;41031
10; 4585.4; 04-JAN-2010 13:32:20; Bright; 44.5; 83; ; 2.38; 11000;occ; 89; 0;41031
11; 4906.7; 04-JAN-2010 13:37:42; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;41031
12; 5218.8; 04-JAN-2010 13:42:54; Bright; 44.0; 104; 27Bet Lib ; 2.61; 13100;occ; 88; 0;41031
13; 5385.6; 04-JAN-2010 13:45:41; Dark ; 44.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 89; 0;41031
14; 5805.2; 04-JAN-2010 13:52:40; Dark ; 56.0; 54; 5The Cen ; 2.06; 4500;occ; 112; 0;41031
15; 5965.1; 04-JAN-2010 13:55:20; Dark ; 40.0; 95; Zet Cen ; 2.55; 26000;occ; 80; 0;41031
16; 6066.9; 04-JAN-2010 13:57:02; Dark ; 38.5; 77; Eps Cen ; 2.30; 28000;occ; 77; 0;41031

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

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 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
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 9; 3954.3; 04-JAN-2010 15:02:25; Bright; 49.0; 55; 79Zet UMa ; 2.06; 10200;occ; 98; 0;41032
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 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
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 16; 5965.9; 04-JAN-2010 15:35:57; Dark ; 40.5; 95; Zet Cen ; 2.55; 26000;occ; 81; 0;41032
 17; 6067.7; 04-JAN-2010 15:37:39; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;41032
 18; 6185.4; 04-JAN-2010 15:39:36; Dark ; 44.5; 64; Gam Cen ; 2.20; 10600;occ; 89; 0;41032
 19; 6294.3; 04-JAN-2010 15:41:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41032
 20; 6558.1; 04-JAN-2010 15:45:49; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;41032
 21; 6694.1; 04-JAN-2010 15:48:05; Dark ; 44.5; 71; Iot Car ; 2.25; 7700;occ; 89; 0;41032
 22; 6808.3; 04-JAN-2010 15:49:59; Dark ; 42.5; 46; Del Vel ; 1.95; 10600;occ; 85; 0;41032
 23; 6978.2; 04-JAN-2010 15:52:49; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;41032
 24; 7109.3; 04-JAN-2010 15:55:00; Dark ; 46.0; 70; Zet Pup ; 2.25; 39000;occ; 92; 0;41032
 25; 7226.6; 04-JAN-2010 15:56:58; Dark ; 46.0; 117; Pi Pup ; 2.71; 3800;occ; 92; 0;41032

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 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
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13; 5233.3; 06-JAN-2010 10:59:19; Dark ; 46.5; 104; 27Bet Lib ; 2.61; 13100;occ; 93; 0;41058
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19; 6318.6; 06-JAN-2010 11:17:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41058
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12; 4592.0; 06-JAN-2010 12:29:13; Bright; 51.0; 83; ; 2.38; 11000;occ; 102; 0;41059
13; 4916.4; 06-JAN-2010 12:34:38; Bright; 56.0; 102; 24Alp Ser ; 2.60; 4250;occ; 112; 0;41059
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27; 7397.0; 06-JAN-2010 13:15:58; Dark ; 44.5; 23; 21Eps CMa ; 1.50; 26000;occ; 89; 0;41059
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 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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 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
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 10; 767.6; 08-JAN-2010 00:18:39; Dark ; 46.5; 41; Eps Car ; 1.86; 4100;occ; 93; 0;41081
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 13; 1206.1; 08-JAN-2010 00:25:58; Dark ; 46.0; 117; Pi Pup ; 2.71; 3800;occ; 92; 0;41081
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 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
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 7; 3924.6; 07-JAN-2010 08:25:17; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;41071
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 9; 4355.1; 07-JAN-2010 08:32:27; Bright; 43.5; 180; 27Gam Boo ; 3.04; 8000;occ; 87; 0;41071
 10; 4594.8; 07-JAN-2010 08:36:27; Bright; 67.0; 83; ; 2.38; 11000;occ; 134; 0;41071
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 13; 5415.0; 07-JAN-2010 10:30:43; Dark ; 46.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 92; 0;41072
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 22; 6828.6; 07-JAN-2010 12:34:53; Dark ; 41.5; 46; Del Vel ; 1.95; 10600;occ; 83; 0;41073
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23; 6997.1; 07-JAN-2010 14:18:17; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;41074
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3; -732.4; 14-JAN-2010 01:45:45; Dark ; 47.0; 104; 27Bet Lib ; 2.61; 13100;occ; 94; 0;41167
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5; 28.2; 14-JAN-2010 01:58:25; Dark ; 41.5; 95; Zet Cen ; 2.55; 26000;occ; 83; 0;41168
6; 124.3; 14-JAN-2010 02:00:01; Dark ; 42.0; 10; Bet Cen ; 0.61; 28000;occ; 84; 0;41168
7; 276.2; 14-JAN-2010 02:02:33; Dark ; 43.0; 20; Bet Cru ; 1.25; 30000;occ; 86; 0;41168
8; 385.4; 14-JAN-2010 02:04:23; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41168
9; 525.5; 14-JAN-2010 02:06:43; Dark ; 39.0; 124; The Car ; 2.76; 30000;occ; 78; 0;41168
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12; 800.4; 14-JAN-2010 02:11:18; Dark ; 48.5; 41; Eps Car ; 1.86; 4100;occ; 97; 0;41168
13; 999.8; 14-JAN-2010 02:14:37; Dark ; 43.0; 34; Gam2Vel ; 1.79; 23000;occ; 86; 0;41168

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 16; 1385.4; 14-JAN-2010 02:21:03; Dark ; 42.0; 23; 21Eps CMA ; 1.50; 26000;occ; 84; 0;41168
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 18; 1605.8; 14-JAN-2010 02:24:43; Dark ; 46.0; 1; 9Alp CMA ; -1.44; 11000;occ; 92; 0;41168
 19; 2018.5; 14-JAN-2010 02:31:36; Dark ; 54.0; 8; 10Alp CMI ; 0.40; 6500;occ; 108; 0;41168
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 22; 2540.9; 14-JAN-2010 02:40:18; Bright; 35.5; 107; 37The Aur ; 2.65; 11000;occ; 71; 0;41168
 23; 2672.5; 14-JAN-2010 02:42:30; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;41168
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 13; 28.9; 14-JAN-2010 03:39:02; Dark ; 41.5; 95; Zet Cen ; 2.55; 26000;occ; 83; 0;41169
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 23; 1471.4; 14-JAN-2010 04:03:05; Dark ; 41.5; 179; 240mi2CMA ; 3.03; 24000;occ; 83; 0;41169
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 25; 2018.7; 14-JAN-2010 04:12:12; Dark ; 53.0; 8; 10Alp CMI ; 0.40; 6500;occ; 106; 0;41169
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 27; 2293.1; 14-JAN-2010 04:16:46; Bright; 45.5; 151; 13Mu Gem ; 2.89; 3000;occ; 91; 0;41169
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 29; 2672.6; 14-JAN-2010 04:23:06; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;41169
 30; 3424.8; 14-JAN-2010 04:35:38; Bright; 40.5; 49; 1Alp UMi ; 1.99; 6300;occ; 81; 0;41169
 31; 3666.2; 14-JAN-2010 04:39:39; Bright; 6.0; 60; 7Bet UMi ; 2.08; 3950;occ; 12; 0;41169

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 13; 29.7; 14-JAN-2010 05:19:39; Dark ; 43.0; 95; Zet Cen ; 2.55; 26000;occ; 86; 0;41170
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 27; 2018.1; 14-JAN-2010 05:52:47; Dark ; 53.0; 8; 10Alp CMI ; 0.40; 6500;occ; 106; 0;41170
 28; 2190.3; 14-JAN-2010 05:55:39; Dark ; 43.0; 44; 24Gam Gem ; 1.93; 11000;occ; 86; 0;41170
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 30; 2541.1; 14-JAN-2010 06:01:30; Bright; 37.0; 107; 37The Aur ; 2.65; 11000;occ; 74; 0;41170
 31; 2672.7; 14-JAN-2010 06:03:42; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;41170
 32; 3424.8; 14-JAN-2010 06:16:14; Bright; 38.5; 49; 1Alp UMi ; 1.99; 6300;occ; 77; 0;41170
 33; 3666.3; 14-JAN-2010 06:20:15; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;41170

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 5; 804.6; 14-JAN-2010 22:18:33; Dark ; 43.5; 41; Eps Car ; 1.86; 4100;occ; 87; 0;41180
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 9; 1388.1; 14-JAN-2010 22:28:16; Dark ; 41.5; 23; 21Eps CMA ; 1.50; 26000;occ; 83; 0;41180
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 11; 1607.4; 14-JAN-2010 22:31:56; Dark ; 41.5; 1; 9Alp CMA ;-1.44; 11000;occ; 83; 0;41180
 12; 2037.7; 14-JAN-2010 22:39:06; Dark ; 52.0; 14; 58Alp Ori ; 0.87; 3000;occ; 104; 0;41180
 13; 2189.5; 14-JAN-2010 22:41:38; Dark ; 44.0; 44; 24Gam Gem ; 1.93; 11000;occ; 88; 0;41180
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 16; 2672.0; 14-JAN-2010 22:49:40; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;41180
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 22; 4638.0; 14-JAN-2010 23:22:26; Bright; 39.0; 127; 27Bet Her ; 2.78; 4700;occ; 78; 0;41180
 23; 4966.8; 14-JAN-2010 23:27:55; Bright; 45.0; 102; 24Alp Ser ; 2.60; 4250;occ; 90; 0;41180
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 21; 2671.8; 15-JAN-2010 00:30:16; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;41181
 22; 3424.8; 15-JAN-2010 00:42:49; Bright; 39.0; 49; 1Alp UMi ; 1.99; 6300;occ; 78; 0;41181
 23; 3664.7; 15-JAN-2010 00:46:49; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;41181
 24; 3922.8; 15-JAN-2010 00:51:07; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;41181
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 26; 4452.5; 15-JAN-2010 00:59:57; Bright; 36.0; 133; 40Zet Her ; 2.81; 6000;occ; 72; 0;41181
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 28; 4967.4; 15-JAN-2010 01:08:32; Bright; 61.0; 102; 24Alp Ser ; 2.60; 4250;occ; 122; 0;41181
 29; 5095.3; 15-JAN-2010 01:10:40; Bright; 56.0; 120; 1Del Oph ; 2.73; 3200;occ; 112; 0;41181
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 5; -1073.4; 14-JAN-2010 06:41:52; Bright; 61.0; 102; 24Alp Ser ; 2.60; 4250;occ; 122; 0;41170
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 13; 30.5; 14-JAN-2010 07:00:16; Dark ; 42.5; 95; Zet Cen ; 2.55; 26000;occ; 85; 0;41171
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 16; 388.2; 14-JAN-2010 07:06:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41171
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 18; 614.0; 14-JAN-2010 07:09:59; Dark ; 36.5; 159; Ups Car ; 2.92; 7200;occ; 73; 0;41171
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 22; 1232.1; 14-JAN-2010 07:20:17; Dark ; 45.5; 117; Pi Pup ; 2.71; 3800;occ; 91; 0;41171
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 13; 5174.4; 14-JAN-2010 08:26:00; Bright; 53.0; 98; 13Zet Oph ; 2.57; 30000;occ; 106; 0;41171
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 19; 6067.4; 14-JAN-2010 08:40:52; Dark ; 41.5; 95; Zet Cen ; 2.55; 26000;occ; 83; 0;41171
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 21; 6314.6; 14-JAN-2010 08:45:00; Dark ; 41.0; 20; Bet Cru ; 1.25; 30000;occ; 82; 0;41171
 22; 6425.0; 14-JAN-2010 08:46:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41171
 23; 6563.4; 14-JAN-2010 08:49:09; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;41171
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 26; 6837.7; 14-JAN-2010 08:53:43; Dark ; 45.0; 41; Eps Car ; 1.86; 4100;occ; 90; 0;41171
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7; 1994.4; 25-JAN-2010 20:11:47; Dark ; 51.0; 8; 10Alp CMi ; 0.40; 6500;occ; 102; 0;41336
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9; 2296.2; 25-JAN-2010 20:16:49; Bright; 40.0; 151; 13Mu Gem ; 2.89; 3000;occ; 80; 0;41336
10; 2411.5; 25-JAN-2010 20:18:44; Bright; 44.0; 17; 78Bet Gem ; 1.16; 4500;occ; 88; 0;41336
11; 2678.3; 25-JAN-2010 20:23:11; Bright; 37.0; 42; 34Bet Aur ; 1.90; 10200;occ; 74; 0;41336
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13; 3634.4; 25-JAN-2010 20:39:07; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;41336
14; 3909.3; 25-JAN-2010 20:43:42; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;41336
15; 4086.1; 25-JAN-2010 20:46:39; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;41336
16; 4474.4; 25-JAN-2010 20:53:07; Bright; 58.0; 133; 40Zet Her ; 2.81; 6000;occ; 116; 0;41336
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2; -761.0; 25-JAN-2010 21:06:28; Dark ; 41.5; 86; 35Eta Oph ; 2.43; 10200;occ; 83; 0;41336
3; -519.2; 25-JAN-2010 21:10:30; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;41336
4; -435.6; 25-JAN-2010 21:11:53; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;41336
5; -182.6; 25-JAN-2010 21:16:06; Dark ; 43.0; 131; Gam Lup ; 2.80; 26000;occ; 86; 0;41336
6; -58.9; 25-JAN-2010 21:18:10; Dark ; 43.0; 109; Bet Lup ; 2.68; 26000;occ; 86; 0;41336
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8; 148.3; 25-JAN-2010 21:21:37; Dark ; 42.0; 4; Alp1Cen ; -0.01; 5800;occ; 84; 0;41337
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23; 2410.9; 25-JAN-2010 21:59:20; Bright; 44.0; 17; 78Bet Gem ; 1.16; 4500;occ; 88; 0;41337

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31; 4774.0; 25-JAN-2010 22:38:43; Bright; 34.5; 59; 55Alp Oph ; 2.08; 8900;occ; 69; 0;41337
32; 4900.8; 25-JAN-2010 22:40:50; Bright; 35.0; 126; 60Bet Oph ; 2.77; 4250;occ; 70; 0;41337
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13; 1056.6; 25-JAN-2010 23:17:21; Dark ; 40.0; 34; Gam2Vel ; 1.79; 23000;occ; 80; 0;41338
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26; 4086.0; 26-JAN-2010 00:07:51; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;41338
27; 4474.8; 26-JAN-2010 00:14:19; Bright; 58.0; 133; 40Zet Her ; 2.81; 6000;occ; 116; 0;41338
28; 4677.7; 26-JAN-2010 00:17:42; Bright; 43.0; 127; 27Bet Her ; 2.78; 4700;occ; 86; 0;41338
29; 4774.0; 26-JAN-2010 00:19:19; Bright; 35.0; 59; 55Alp Oph ; 2.08; 8900;occ; 70; 0;41338
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3; -1949.8; 25-JAN-2010 07:21:52; Bright; 46.0; 130; 23Bet Dra ; 2.80; 5800;occ; 92; 0;41328
4; -1562.4; 25-JAN-2010 07:28:19; Bright; 44.0; 133; 40Zet Her ; 2.81; 6000;occ; 88; 0;41328
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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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2; 1993.8; 27-JAN-2010 10:45:33; Dark ; 46.5; 8; 10Alp CMi ; 0.40; 6500;occ; 93; 0;41359
3; 2191.0; 27-JAN-2010 10:48:50; Bright; 42.0; 44; 24Gam Gem ; 1.93; 11000;occ; 84; 0;41359
4; 2298.8; 27-JAN-2010 10:50:38; Bright; 40.5; 151; 13Mu Gem ; 2.89; 3000;occ; 81; 0;41359
5; 2405.9; 27-JAN-2010 10:52:25; Bright; 42.5; 17; 78Bet Gem ; 1.16; 4500;occ; 85; 0;41359
6; 3427.4; 27-JAN-2010 11:09:26; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;41359
7; 3629.2; 27-JAN-2010 11:12:48; Bright; 44.0; 60; 7Bet UMi ; 2.08; 3950;occ; 88; 0;41359
8; 3906.6; 27-JAN-2010 11:17:26; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;41359
9; 4086.6; 27-JAN-2010 11:20:26; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;41359
10; 4478.2; 27-JAN-2010 11:26:57; Bright; 39.5; 133; 40Zet Her ; 2.81; 6000;occ; 79; 0;41359
11; 4684.0; 27-JAN-2010 11:30:23; Bright; 44.0; 127; 27Bet Her ; 2.78; 4700;occ; 88; 0;41359
12; 4779.4; 27-JAN-2010 11:31:58; Bright; 53.0; 59; 55Alp Oph ; 2.08; 8900;occ; 106; 0;41359
13; 4906.4; 27-JAN-2010 11:34:05; Bright; 42.5; 126; 60Bet Oph ; 2.77; 4250;occ; 85; 0;41359
14; 5192.3; 27-JAN-2010 11:38:51; Dark ; 56.0; 120; 1Del Oph ; 2.73; 3200;occ; 112; 0;41359
15; 5284.1; 27-JAN-2010 11:40:23; Dark ; 43.5; 86; 35Eta Oph ; 2.43; 10200;occ; 87; 0;41359
16; 5530.5; 27-JAN-2010 11:44:30; Dark ; 55.0; 16; 21Alp Sco ; 1.02; 3000;occ; 110; 0;41359
17; 5610.9; 27-JAN-2010 11:45:50; Dark ; 41.0; 75; 26Eps Sco ; 2.29; 4250;occ; 82; 0;41359
18; 5870.0; 27-JAN-2010 11:50:09; Dark ; 42.0; 131; Gam Lup ; 2.80; 26000;occ; 84; 0;41359
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21; 6195.9; 27-JAN-2010 11:55:35; Dark ; 41.5; 4; Alp1Cen ; -0.01; 5800;occ; 83; 0;41359
22; 6296.3; 27-JAN-2010 11:57:15; Dark ; 41.0; 77; Eps Cen ; 2.30; 28000;occ; 82; 0;41359
23; 6470.8; 27-JAN-2010 12:00:10; Dark ; 42.5; 12; Alp1Cru ; 0.77; 30000;occ; 85; 0;41359
24; 6593.9; 27-JAN-2010 12:02:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41359
25; 6722.5; 27-JAN-2010 12:04:22; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41359
26; 6837.4; 27-JAN-2010 12:06:16; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;41359
27; 6944.3; 27-JAN-2010 12:08:03; Dark ; 44.5; 46; Del Vel ; 1.95; 10600;occ; 89; 0;41359
28; 7098.9; 27-JAN-2010 12:10:38; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;41359
29; 7224.6; 27-JAN-2010 12:12:44; Dark ; 42.5; 70; Zet Pup ; 2.25; 39000;occ; 85; 0;41359
30; 7495.2; 27-JAN-2010 12:17:14; Dark ; 43.0; 37; 25Del CMa ; 1.83; 5900;occ; 86; 0;41359

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2; 2191.2; 27-JAN-2010 12:29:26; Bright; 39.5; 44; 24Gam Gem ; 1.93; 11000;occ; 79; 0;41360
3; 2299.4; 27-JAN-2010 12:31:14; Bright; 38.0; 151; 13Mu Gem ; 2.89; 3000;occ; 76; 0;41360
4; 2405.6; 27-JAN-2010 12:33:00; Bright; 43.0; 17; 78Bet Gem ; 1.16; 4500;occ; 86; 0;41360
5; 3426.9; 27-JAN-2010 12:50:02; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;41360
6; 3629.1; 27-JAN-2010 12:53:24; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;41360
7; 3906.7; 27-JAN-2010 12:58:02; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;41360
8; 4086.6; 27-JAN-2010 13:01:01; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;41360
9; 4478.2; 27-JAN-2010 13:07:33; Bright; 41.5; 133; 40Zet Her ; 2.81; 6000;occ; 83; 0;41360
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11; 4779.7; 27-JAN-2010 13:12:35; Bright; 47.0; 59; 55Alp Oph ; 2.08; 8900;occ; 94; 0;41360
12; 4906.7; 27-JAN-2010 13:14:42; Bright; 35.0; 126; 60Bet Oph ; 2.77; 4250;occ; 70; 0;41360
13; 5193.2; 27-JAN-2010 13:19:28; Dark ; 52.0; 120; 1Del Oph ; 2.73; 3200;occ; 104; 0;41360
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16; 5611.3; 27-JAN-2010 13:26:26; Dark ; 41.5; 75; 26Eps Sco ; 2.29; 4250;occ; 83; 0;41360
17; 5870.6; 27-JAN-2010 13:30:45; Dark ; 42.0; 131; Gam Lup ; 2.80; 26000;occ; 84; 0;41360
18; 5996.9; 27-JAN-2010 13:32:52; Dark ; 43.5; 109; Bet Lup ; 2.68; 26000;occ; 87; 0;41360
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22; 6471.6; 27-JAN-2010 13:40:46; Dark ; 39.0; 12; Alp1Cru ; 0.77; 30000;occ; 78; 0;41360
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25; 6837.6; 27-JAN-2010 13:46:52; Dark ; 46.0; 71; Iot Car ; 2.25; 7700;occ; 92; 0;41360
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28; 7224.9; 27-JAN-2010 13:53:20; Dark ; 42.5; 70; Zet Pup ; 2.25; 39000;occ; 85; 0;41360
29; 7495.1; 27-JAN-2010 13:57:50; Dark ; 41.5; 37; 25Del CMa ; 1.83; 5900;occ; 83; 0;41360

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4; 2299.1; 27-JAN-2010 14:11:50; Bright; 38.5; 151; 13Mu Gem ; 2.89; 3000;occ; 77; 0;41361
5; 2405.5; 27-JAN-2010 14:13:36; Bright; 43.0; 17; 78Bet Gem ; 1.16; 4500;occ; 86; 0;41361
6; 3427.2; 27-JAN-2010 14:30:38; Bright; 38.0; 49; 1Alp UMi ; 1.99; 6300;occ; 76; 0;41361
7; 3628.9; 27-JAN-2010 14:34:00; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;41361
8; 3906.3; 27-JAN-2010 14:38:37; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;41361

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 10; 4478.2; 27-JAN-2010 14:48:09; Bright; 59.0; 133; 40Zet Her ; 2.81; 6000;occ; 118; 0;41361
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 12; 4780.1; 27-JAN-2010 14:53:11; Bright; 53.0; 59; 55Alp Oph ; 2.08; 8900;occ; 106; 0;41361
 13; 4907.0; 27-JAN-2010 14:55:18; Bright; 34.5; 126; 60Bet Oph ; 2.77; 4250;occ; 69; 0;41361
 14; 5193.7; 27-JAN-2010 15:00:04; Dark ; 55.5; 120; 1Del Oph ; 2.73; 3200;occ; 111; 0;41361
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 17; 5611.7; 27-JAN-2010 15:07:02; Dark ; 45.0; 75; 26Eps Sco ; 2.29; 4250;occ; 90; 0;41361
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 22; 6298.0; 27-JAN-2010 15:18:29; Dark ; 43.0; 77; Eps Cen ; 2.30; 28000;occ; 86; 0;41361
 23; 6472.1; 27-JAN-2010 15:21:23; Dark ; 38.5; 12; Alp1Cru ; 0.77; 30000;occ; 77; 0;41361
 24; 6595.8; 27-JAN-2010 15:23:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41361
 25; 6723.2; 27-JAN-2010 15:25:34; Dark ; 45.5; 159; Ups Car ; 2.92; 7200;occ; 91; 0;41361
 26; 6838.2; 27-JAN-2010 15:27:29; Dark ; 45.5; 71; Iot Car ; 2.25; 7700;occ; 91; 0;41361
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 28; 7099.4; 27-JAN-2010 15:31:50; Dark ; 42.5; 34; Gam2Vel ; 1.79; 23000;occ; 85; 0;41361
 29; 7225.3; 27-JAN-2010 15:33:56; Dark ; 40.5; 70; Zet Pup ; 2.25; 39000;occ; 81; 0;41361

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 3; 2191.4; 27-JAN-2010 15:50:38; Bright; 40.0; 44; 24Gam Gem ; 1.93; 11000;occ; 80; 0;41362
 4; 2299.4; 27-JAN-2010 15:52:26; Bright; 40.5; 151; 13Mu Gem ; 2.89; 3000;occ; 81; 0;41362
 5; 2405.4; 27-JAN-2010 15:54:12; Bright; 43.5; 17; 78Bet Gem ; 1.16; 4500;occ; 87; 0;41362
 6; 3427.1; 27-JAN-2010 16:11:14; Bright; 38.0; 49; 1Alp UMi ; 1.99; 6300;occ; 76; 0;41362
 7; 3628.6; 27-JAN-2010 16:14:35; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;41362
 8; 3906.2; 27-JAN-2010 16:19:13; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;41362
 9; 4086.7; 27-JAN-2010 16:22:13; Bright; 36.5; 130; 23Bet Dra ; 2.80; 5800;occ; 73; 0;41362
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 11; 4684.9; 27-JAN-2010 16:32:12; Bright; 62.0; 127; 27Bet Her ; 2.78; 4700;occ; 124; 0;41362
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 13; 4907.2; 27-JAN-2010 16:35:54; Bright; 53.0; 126; 60Bet Oph ; 2.77; 4250;occ; 106; 0;41362
 14; 5285.6; 27-JAN-2010 16:42:12; Dark ; 43.0; 86; 35Eta Oph ; 2.43; 10200;occ; 86; 0;41362
 15; 5532.3; 27-JAN-2010 16:46:19; Dark ; 52.0; 16; 21Alp Sco ; 1.02; 3000;occ; 104; 0;41362
 16; 5612.2; 27-JAN-2010 16:47:39; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;41362
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 18; 5998.7; 27-JAN-2010 16:54:05; Dark ; 42.0; 109; Bet Lup ; 2.68; 26000;occ; 84; 0;41362
 19; 6086.2; 27-JAN-2010 16:55:33; Dark ; 42.5; 78; Alp Lup ; 2.30; 28000;occ; 85; 0;41362
 20; 6197.6; 27-JAN-2010 16:57:24; Dark ; 43.5; 4; Alp1Cen ;-0.01; 5800;occ; 87; 0;41362
 21; 6298.6; 27-JAN-2010 16:59:05; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;41362
 22; 6472.8; 27-JAN-2010 17:01:59; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;41362
 23; 6596.7; 27-JAN-2010 17:04:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41362
 24; 6723.6; 27-JAN-2010 17:06:10; Dark ; 42.0; 159; Ups Car ; 2.92; 7200;occ; 84; 0;41362
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 26; 6945.2; 27-JAN-2010 17:09:52; Dark ; 43.0; 46; Del Vel ; 1.95; 10600;occ; 86; 0;41362
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 6; 2299.4; 27-JAN-2010 17:33:02; Bright; 40.5; 151; 13Mu Gem ; 2.89; 3000;occ; 81; 0;41363
 7; 2405.1; 27-JAN-2010 17:34:48; Bright; 43.0; 17; 78Bet Gem ; 1.16; 4500;occ; 86; 0;41363
 8; 3427.1; 27-JAN-2010 17:51:50; Bright; 38.0; 49; 1Alp UMi ; 1.99; 6300;occ; 76; 0;41363
 9; 3628.4; 27-JAN-2010 17:55:11; Bright; 45.0; 60; 7Bet UMi ; 2.08; 3950;occ; 90; 0;41363
 10; 3905.8; 27-JAN-2010 17:59:49; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;41363
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 12; 4478.5; 27-JAN-2010 18:09:21; Bright; 41.5; 133; 40Zet Her ; 2.81; 6000;occ; 83; 0;41363
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 15; 4907.6; 27-JAN-2010 18:16:30; Bright; 53.0; 126; 60Bet Oph ; 2.77; 4250;occ; 106; 0;41363
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 17; 5532.8; 27-JAN-2010 18:26:55; Dark ; 57.0; 16; 21Alp Sco ; 1.02; 3000;occ; 114; 0;41363
 18; 5612.7; 27-JAN-2010 18:28:15; Dark ; 44.5; 75; 26Eps Sco ; 2.29; 4250;occ; 89; 0;41363

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 20; 5999.9; 27-JAN-2010 18:34:43; Dark ; 43.5; 109; Bet Lup ; 2.68; 26000;occ; 87; 0;41363
 21; 6086.8; 27-JAN-2010 18:36:09; Dark ; 43.0; 78; Alp Lup ; 2.30; 28000;occ; 86; 0;41363
 22; 6198.2; 27-JAN-2010 18:38:01; Dark ; 42.0; 4; Alp1Cen ; -0.01; 5800;occ; 84; 0;41363
 23; 6299.3; 27-JAN-2010 18:39:42; Dark ; 43.5; 77; Eps Cen ; 2.30; 28000;occ; 87; 0;41363
 24; 6473.1; 27-JAN-2010 18:42:36; Dark ; 45.5; 12; Alp1Cru ; 0.77; 30000;occ; 91; 0;41363
 25; 6597.5; 27-JAN-2010 18:44:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41363
 26; 6723.9; 27-JAN-2010 18:46:47; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41363
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 3; 1460.0; 27-JAN-2010 18:59:39; Dark ; 42.0; 37; 25Del CMa ; 1.83; 5900;occ; 84; 0;41364
 4; 1993.2; 27-JAN-2010 19:08:32; Dark ; 47.5; 8; 10Alp CMI ; 0.40; 6500;occ; 95; 0;41364
 5; 2191.3; 27-JAN-2010 19:11:50; Bright; 41.0; 44; 24Gam Gem ; 1.93; 11000;occ; 82; 0;41364
 6; 2404.8; 27-JAN-2010 19:15:24; Bright; 42.5; 17; 78Bet Gem ; 1.16; 4500;occ; 85; 0;41364
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 9; 3905.9; 27-JAN-2010 19:40:25; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;41364
 10; 4086.8; 27-JAN-2010 19:43:25; Bright; 54.0; 130; 23Bet Dra ; 2.80; 5800;occ; 108; 0;41364
 11; 4478.7; 27-JAN-2010 19:49:57; Bright; 41.5; 133; 40Zet Her ; 2.81; 6000;occ; 83; 0;41364
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16; 695.1; 29-JAN-2010 04:18:52; Dark ; 39.0; 159; Ups Car ; 2.92; 7200;occ; 78; 0;41384
17; 810.1; 29-JAN-2010 04:20:47; Dark ; 38.5; 71; Iot Car ; 2.25; 7700;occ; 77; 0;41384
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 22; 6847.0; 29-JAN-2010 11:03:12; Dark ; 43.0; 71; Iot Car ; 2.25; 7700;occ; 86; 0;41387
 23; 6953.2; 29-JAN-2010 11:04:58; Dark ; 39.5; 46; Del Vel ; 1.95; 10600;occ; 79; 0;41387
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 25; 7232.0; 29-JAN-2010 12:50:13; Dark ; 41.0; 70; Zet Pup ; 2.25; 39000;occ; 82; 0;41388
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 6; 3622.0; 29-JAN-2010 13:30:39; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;41389
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 9; 4299.7; 29-JAN-2010 13:41:56; Bright; 46.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 92; 0;41389
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23; 6848.1; 29-JAN-2010 16:05:01; Dark ; 44.0; 71; Iot Car ; 2.25; 7700;occ; 88; 0;41390
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27; 7107.9; 29-JAN-2010 19:30:32; Dark ; 6.0; 34; Gam2Vel ; 1.79; 23000;occ; 12; 0;41392
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 21; 3617.0; 31-JAN-2010 00:43:08; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;41410
 22; 3899.1; 31-JAN-2010 00:47:50; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;41410
 23; 4087.0; 31-JAN-2010 00:50:58; Bright; 41.0; 130; 23Bet Dra ; 2.80; 5800;occ; 82; 0;41410
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 25; 4485.4; 31-JAN-2010 00:57:36; Bright; 43.5; 133; 40Zet Her ; 2.81; 6000;occ; 87; 0;41410
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8; -734.2; 30-JAN-2010 06:44:38; Dark ; 45.5; 86; 35Eta Oph ; 2.43; 10200;occ; 91; 0;41399
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11; -136.0; 30-JAN-2010 06:54:36; Dark ; 44.0; 131; Gam Lup ; 2.80; 26000;occ; 88; 0;41399
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21; 1199.0; 30-JAN-2010 07:16:51; Dark ; 41.0; 70; Zet Pup ; 2.25; 39000;occ; 82; 0;41400
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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
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6; 3619.8; 30-JAN-2010 07:57:12; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;41400
7; 3900.4; 30-JAN-2010 08:01:52; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;41400
8; 4087.0; 30-JAN-2010 08:04:59; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;41400
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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
15; 5901.0; 30-JAN-2010 08:35:13; Dark ; 42.5; 131; Gam Lup ; 2.80; 26000;occ; 85; 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
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21; 6736.6; 30-JAN-2010 08:49:08; Dark ; 38.5; 159; Ups Car ; 2.92; 7200;occ; 77; 0;41400
22; 6851.8; 30-JAN-2010 08:51:04; Dark ; 44.5; 71; Iot Car ; 2.25; 7700;occ; 89; 0;41400
23; 6957.5; 30-JAN-2010 08:52:49; Dark ; 43.5; 46; Del Vel ; 1.95; 10600;occ; 87; 0;41400
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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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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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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
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23; 6852.2; 30-JAN-2010 12:12:16; Dark ; 38.5; 71; Iot Car ; 2.25; 7700;occ; 77; 0;41402
24; 6957.8; 30-JAN-2010 12:14:01; Dark ; 45.5; 46; Del Vel ; 1.95; 10600;occ; 91; 0;41402
25; 7110.5; 30-JAN-2010 12:16:34; Dark ; 41.0; 34; Gam2Vel ; 1.79; 23000;occ; 82; 0;41402
26; 7235.8; 30-JAN-2010 12:18:39; Dark ; 39.5; 70; Zet Pup ; 2.25; 39000;occ; 79; 0;41402
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25; 6958.1; 30-JAN-2010 13:54:38; Dark ; 37.5; 46; Del Vel ; 1.95; 10600;occ; 75; 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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11; 4484.8; 30-JAN-2010 16:34:36; Bright; 61.0; 133; 40Zet Her ; 2.81; 6000;occ; 122; 0;41405
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