

# GOMOS Daily Report 01-JUN-2008

## 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	03JUN2008 08:16:14
Data source version	GOMOS/5.00
Start time of products	01-JUN-2008 (01JUN2008 00:00:00)
Stop time of products	02-JUN-2008 (02JUN2008 00:00:00)
Store outputs in DB	Yes
Nb of level 1b prods	130
Nb of prods with errors	0

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

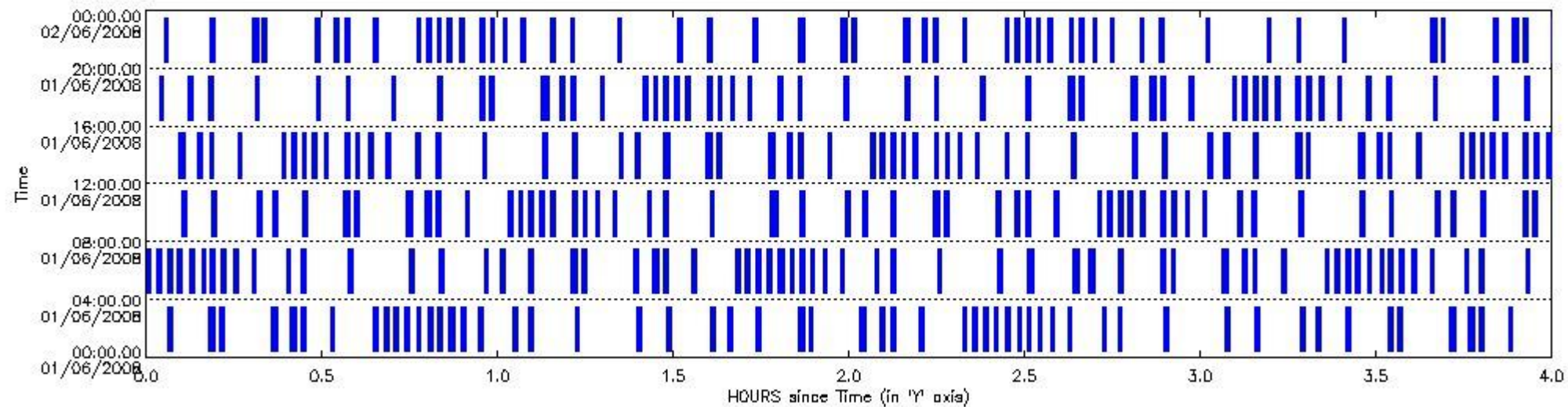
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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)

No missing products.

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

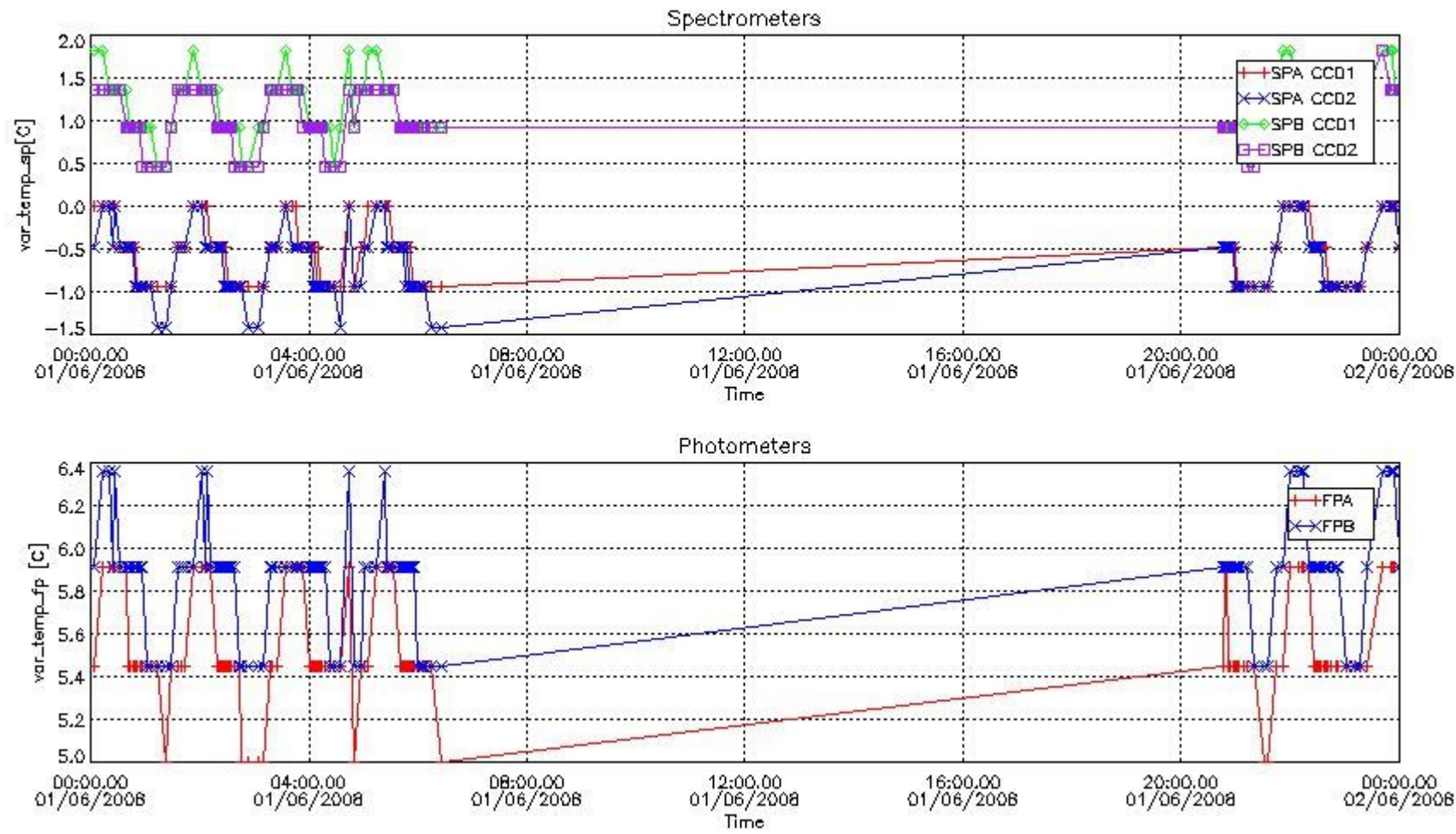
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20080601_000331_000000512069_00073_32692_4410.N1	01-JUN-2008 00:03:31	Dark	51.000	140	88Gam Peg	2.8340	26000.	102	32692	No
2	GOM_TRA_1PNPDE20080601_001231_000000482069_00073_32692_4517.N1	01-JUN-2008 00:12:31	Dark	47.500	52	16Bet Cet	2.0370	4500.0	95	32692	No
3	GOM_TRA_1PNPDE20080601_002116_000000622069_00073_32692_4518.N1	01-JUN-2008 00:21:16	Dark	62.000	18	24Alp PsA	1.1660	9700.0	124	32692	No
4	GOM_TRA_1PNPDE20080601_002434_000000622069_00074_32693_4519.N1	01-JUN-2008 00:24:34	Dark	61.500	63	Bet Gru	2.1500	2800.0	123	32693	No
5	GOM_TRA_1PNPDE20080601_002626_000000452069_00074_32693_4520.N1	01-JUN-2008 00:26:26	Dark	45.000	31	Alp Gru	1.7340	15200.	90	32693	No
6	GOM_TRA_1PNPDE20080601_003124_000000432069_00074_32693_4521.N1	01-JUN-2008 00:31:24	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	32693	No
7	GOM_TRA_1PNPDE20080601_003850_000000402069_00074_32693_4522.N1	01-JUN-2008 00:38:50	Straylight	39.500	147	Alp Ara	2.8770	26000.	79	32693	No
8	GOM_TRA_1PNPDE20080601_004031_000000472069_00074_32693_4523.N1	01-JUN-2008 00:40:31	Straylight	46.500	40	The Sco	1.8590	7100.0	93	32693	No
9	GOM_TRA_1PNPDE20080601_004219_000000482069_00074_32693_4524.N1	01-JUN-2008 00:42:19	Twilight_stray	48.000	25	35Lam Sco	1.6200	28000.	96	32693	No
10	GOM_TRA_1PNPDE20080601_004405_000000452069_00074_32693_4525.N1	01-JUN-2008 00:44:05	Twilight_stray	45.000	75	26Eps Sco	2.2910	4250.0	90	32693	No
11	GOM_TRA_1PNPDE20080601_004607_000000482069_00074_32693_4526.N1	01-JUN-2008 00:46:07	Bright	47.500	136	23Tau Sco	2.8220	30000.	95	32693	No
12	GOM_TRA_1PNPDE20080601_004811_000000372069_00074_32693_4527.N1	01-JUN-2008 00:48:11	Bright	37.000	80	7Del Sco	2.3160	30000.	74	32693	No

13	GOM_TRA_1PNPDE20080601_004944_000000462069_00074_32693_4528.N1	01-JUN-2008 00:49:44	Bright	46.000	86	35Eta Oph	2.4300	10200.	92	32693	No
14	GOM_TRA_1PNPDE20080601_005136_000000592069_00074_32693_4529.N1	01-JUN-2008 00:51:36	Bright	59.000	98	13Zet Oph	2.5710	30000.	118	32693	No
15	GOM_TRA_1PNPDE20080601_005347_000000392069_00074_32693_4530.N1	01-JUN-2008 00:53:47	Bright	38.500	120	1Del Oph	2.7340	3200.0	77	32693	No
16	GOM_TRA_1PNPDE20080601_005647_000000372069_00074_32693_4531.N1	01-JUN-2008 00:56:47	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	32693	No
17	GOM_TRA_1PNPDE20080601_010241_000000382069_00074_32693_4532.N1	01-JUN-2008 01:02:41	Bright	38.000	67	5Alp CrB	2.2210	11000.	76	32693	No
18	GOM_TRA_1PNPDE20080601_010519_000000412069_00074_32693_4533.N1	01-JUN-2008 01:05:19	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	32693	No
19	GOM_TRA_1PNPDE20080601_011316_000000352069_00074_32693_4534.N1	01-JUN-2008 01:13:16	Bright	35.000	119	14Eta Dra	2.7270	4700.0	70	32693	No
20	GOM_TRA_1PNPDE20080601_012339_000000472069_00074_32693_4535.N1	01-JUN-2008 01:23:39	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	32693	No
21	GOM_TRA_1PNPDE20080601_012842_000000562069_00074_32693_4536.N1	01-JUN-2008 01:28:42	Bright	56.000	76	27Gam Cas	2.3000	30000.	112	32693	No
22	GOM_TRA_1PNPDE20080601_013627_000000442069_00074_32693_4537.N1	01-JUN-2008 01:36:27	Bright	43.500	53	43Bet And	2.0480	3300.0	87	32693	No
23	GOM_TRA_1PNPDE20080601_013910_000000542069_00074_32693_4538.N1	01-JUN-2008 01:39:10	Twilight	53.500	58	21Alp And	2.0730	11000.	107	32693	No
24	GOM_TRA_1PNPDE20080601_014408_000000532069_00074_32693_4539.N1	01-JUN-2008 01:44:08	Dark	52.500	140	88Gam Peg	2.8340	26000.	105	32693	No
25	GOM_TRA_1PNPDE20080601_015308_000000442069_00074_32693_4648.N1	01-JUN-2008 01:53:08	Dark	43.500	52	16Bet Cet	2.0370	4500.0	87	32693	No
26	GOM_TRA_1PNPDE20080601_020153_000000542069_00074_32693_4649.N1	01-JUN-2008 02:01:53	Dark	53.500	18	24Alp PsA	1.1660	9700.0	107	32693	No
27	GOM_TRA_1PNPDE20080601_020510_000000582069_00075_32694_4650.N1	01-JUN-2008 02:05:10	Dark	57.500	63	Bet Gru	2.1500	2800.0	115	32694	No
28	GOM_TRA_1PNPDE20080601_020703_000000462069_00075_32694_4651.N1	01-JUN-2008 02:07:03	Dark	45.500	31	Alp Gru	1.7340	15200.	91	32694	No
29	GOM_TRA_1PNPDE20080601_021201_000000452069_00075_32694_4652.N1	01-JUN-2008 02:12:01	Straylight	45.000	45	Alp Pav	1.9400	26000.	90	32694	No
30	GOM_TRA_1PNPDE20080601_021926_000000412069_00075_32694_4653.N1	01-JUN-2008 02:19:26	Straylight	40.500	147	Alp Ara	2.8770	26000.	81	32694	No
31	GOM_TRA_1PNPDE20080601_022107_000000462069_00075_32694_4654.N1	01-JUN-2008 02:21:07	Straylight	46.000	40	The Sco	1.8590	7100.0	92	32694	No
32	GOM_TRA_1PNPDE20080601_022255_000000432069_00075_32694_4655.N1	01-JUN-2008 02:22:55	Twilight	42.500	25	35Lam Sco	1.6200	28000.	85	32694	No
33	GOM_TRA_1PNPDE20080601_022441_000000472069_00075_32694_4656.N1	01-JUN-2008 02:24:41	Twilight	46.500	75	26Eps Sco	2.2910	4250.0	93	32694	No
34	GOM_TRA_1PNPDE20080601_022643_000000402069_00075_32694_4657.N1	01-JUN-2008 02:26:43	Bright	40.000	136	23Tau Sco	2.8220	30000.	80	32694	No
35	GOM_TRA_1PNPDE20080601_022848_000000392069_00075_32694_4658.N1	01-JUN-2008 02:28:48	Bright	39.000	80	7Del Sco	2.3160	30000.	78	32694	No
36	GOM_TRA_1PNPDE20080601_023020_000000462069_00075_32694_4659.N1	01-JUN-2008 02:30:20	Bright	45.500	86	35Eta Oph	2.4300	10200.	91	32694	No
37	GOM_TRA_1PNPDE20080601_023212_000000412069_00075_32694_4660.N1	01-JUN-2008 02:32:12	Bright	41.000	98	13Zet Oph	2.5710	30000.	82	32694	No
38	GOM_TRA_1PNPDE20080601_023423_000000392069_00075_32694_4661.N1	01-JUN-2008 02:34:23	Bright	38.500	120	1Del Oph	2.7340	3200.0	77	32694	No
39	GOM_TRA_1PNPDE20080601_023723_000000372069_00075_32694_4662.N1	01-JUN-2008 02:37:23	Bright	37.000	102	24Alp Ser	2.6000	4250.0	74	32694	No
40	GOM_TRA_1PNPDE20080601_024317_000000372069_00075_32694_4663.N1	01-JUN-2008 02:43:17	Bright	37.000	67	5Alp CrB	2.2210	11000.	74	32694	No
41	GOM_TRA_1PNPDE20080601_024555_000000432069_00075_32694_4664.N1	01-JUN-2008 02:45:55	Bright	43.000	133	40Zet Her	2.8070	6000.0	86	32694	No
42	GOM_TRA_1PNPDE20080601_025352_000000382069_00075_32694_4665.N1	01-JUN-2008 02:53:52	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	32694	No
43	GOM_TRA_1PNPDE20080601_030414_000000462069_00075_32694_4790.N1	01-JUN-2008 03:04:14	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	32694	No
44	GOM_TRA_1PNPDE20080601_030917_000000562069_00075_32694_4791.N1	01-JUN-2008 03:09:17	Bright	56.000	76	27Gam Cas	2.3000	30000.	112	32694	No
45	GOM_TRA_1PNPDE20080601_031703_000000412069_00075_32694_4792.N1	01-JUN-2008 03:17:03	Bright	41.000	53	43Bet And	2.0480	3300.0	82	32694	No
46	GOM_TRA_1PNPDE20080601_031946_000000502069_00075_32694_4793.N1	01-JUN-2008 03:19:46	Twilight	50.000	58	21Alp And	2.0730	11000.	100	32694	No
47	GOM_TRA_1PNPDE20080601_032444_000000522069_00075_32694_4794.N1	01-JUN-2008 03:24:44	Dark	51.500	140	88Gam Peg	2.8340	26000.	103	32694	No
48	GOM_TRA_1PNPDE20080601_033344_000000502069_00075_32694_4795.N1	01-JUN-2008 03:33:44	Dark	49.500	52	16Bet Cet	2.0370	4500.0	99	32694	No
49	GOM_TRA_1PNPDE20080601_034230_000000662069_00075_32694_4796.N1	01-JUN-2008 03:42:30	Dark	65.500	18	24Alp PsA	1.1660	9700.0	131	32694	No
50	GOM_TRA_1PNPDE20080601_034547_000000542069_00076_32695_4797.N1	01-JUN-2008 03:45:47	Dark	53.500	63	Bet Gru	2.1500	2800.0	107	32695	No
51	GOM_TRA_1PNPDE20080601_034740_000000452069_00076_32695_4798.N1	01-JUN-2008 03:47:40	Dark	45.000	31	Alp Gru	1.7340	15200.	90	32695	No
52	GOM_TRA_1PNPDE20080601_035237_000000432069_00076_32695_4799.N1	01-JUN-2008 03:52:37	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	32695	No
53	GOM_TRA_1PNPDE20080601_040002_000000392069_00076_32695_4800.N1	01-JUN-2008 04:00:02	Straylight	38.500	147	Alp Ara	2.8770	26000.	77	32695	No
54	GOM_TRA_1PNPDE20080601_040144_000000482069_00076_32695_4801.N1	01-JUN-2008 04:01:44	Straylight	47.500	40	The Sco	1.8590	7100.0	95	32695	No
55	GOM_TRA_1PNPDE20080601_040332_000000482069_00076_32695_4802.N1	01-JUN-2008 04:03:32	Twilight	47.500	25	35Lam Sco	1.6200	28000.	95	32695	No
56	GOM_TRA_1PNPDE20080601_040517_000000452069_00076_32695_4803.N1	01-JUN-2008 04:05:17	Twilight	44.500	75	26Eps Sco	2.2910	4250.0	89	32695	No
57	GOM_TRA_1PNPDE20080601_040719_000000502069_00076_32695_4804.N1	01-JUN-2008 04:07:19	Bright	49.500	136	23Tau Sco	2.8220	30000.	99	32695	No
58	GOM_TRA_1PNPDE20080601_040924_000000392069_00076_32695_4805.N1	01-JUN-2008 04:09:24	Bright	39.000	80	7Del Sco	2.3160	30000.	78	32695	No
59	GOM_TRA_1PNPDE20080601_041056_000000452069_00076_32695_4806.N1	01-JUN-2008 04:10:56	Bright	45.000	86	35Eta Oph	2.4300	10200.	90	32695	No
60	GOM_TRA_1PNPDE20080601_041248_000000412069_00076_32695_4807.N1	01-JUN-2008 04:12:48	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	32695	No
61	GOM_TRA_1PNPDE20080601_041459_000000392069_00076_32695_4808.N1	01-JUN-2008 04:14:59	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	32695	No
62	GOM_TRA_1PNPDE20080601_041759_000000362069_00076_32695_4809.N1	01-JUN-2008 04:17:59	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	32695	No
63	GOM_TRA_1PNPDE20080601_042353_000000362069_00076_32695_4810.N1	01-JUN-2008 04:23:53	Bright	35.500	67	5Alp CrB	2.2210	11000.	71	32695	No
64	GOM_TRA_1PNPDE20080601_042630_000000422069_00076_32695_4811.N1	01-JUN-2008 04:26:30	Bright	41.500	133	40Zet Her	2.8070	6000.0	83	32695	No
65	GOM_TRA_1PNPDE20080601_043428_000000402069_00076_32695_4812.N1	01-JUN-2008 04:34:28	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	32695	No
66	GOM_TRA_1PNPDE20080601_044450_000000472069_00076_32695_5034.N1	01-JUN-2008 04:44:50	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	32695	No
67	GOM_TRA_1PNPDE20080601_044953_000000562069_00076_32695_5035.N1	01-JUN-2008 04:49:53	Bright	56.000	76	27Gam Cas	2.3000	30000.	112	32695	No
68	GOM_TRA_1PNPDE20080601_045739_000000402069_00076_32695_5036.N1	01-JUN-2008 04:57:39	Bright	40.000	53	43Bet And	2.0480	3300.0	80	32695	No
69	GOM_TRA_1PNPDE20080601_050022_000000542069_00076_32695_5037.N1	01-JUN-2008 05:00:22	Twilight	54.000	58	21Alp And	2.0730	11000.	108	32695	No
70	GOM_TRA_1PNPDE20080601_050521_000000482069_00076_32695_5038.N1	01-JUN-2008 05:05:21	Dark	47.500	140	88Gam Peg	2.8340	26000.	95	32695	No
71	GOM_TRA_1PNPDE20080601_051421_000000492069_00076_32695_5039.N1	01-JUN-2008 05:14:21	Dark	49.000	52	16Bet Cet	2.0370	4500.0	98	32695	No



72	GOM_TRA_1PNPDE20080601_052308_000000552069_00076_32695_5040.N1	01-JUN-2008 05:23:08	Dark	55.000	18	24Alp PsA	1.1660	9700.0	110	32695	No
73	GOM_TRA_1PNPDE20080601_052624_000000612069_00077_32696_5041.N1	01-JUN-2008 05:26:24	Dark	61.000	63	Bet Gru	2.1500	2800.0	122	32696	No
74	GOM_TRA_1PNPDE20080601_052817_000000452069_00077_32696_5042.N1	01-JUN-2008 05:28:17	Dark	45.000	31	Alp Gru	1.7340	15200.	90	32696	No
75	GOM_TRA_1PNPDE20080601_053314_000000462069_00077_32696_5043.N1	01-JUN-2008 05:33:14	Straylight	46.000	45	Alp Pav	1.9400	26000.	92	32696	No
76	GOM_TRA_1PNPDE20080601_054039_000000392069_00077_32696_5044.N1	01-JUN-2008 05:40:39	Straylight	39.000	147	Alp Ara	2.8770	26000.	78	32696	No
77	GOM_TRA_1PNPDE20080601_054220_000000432069_00077_32696_5045.N1	01-JUN-2008 05:42:20	Straylight	42.500	40	The Sco	1.8590	7100.0	85	32696	No
78	GOM_TRA_1PNPDE20080601_054408_000000462069_00077_32696_5046.N1	01-JUN-2008 05:44:08	Twilight_and_stray	46.000	25	35Lam Sco	1.6200	28000.	92	32696	No
79	GOM_TRA_1PNPDE20080601_054554_000000462069_00077_32696_5047.N1	01-JUN-2008 05:45:54	Twilight_and_stray	46.000	75	26Eps Sco	2.2910	4250.0	92	32696	No
80	GOM_TRA_1PNPDE20080601_054755_000000532069_00077_32696_5048.N1	01-JUN-2008 05:47:55	Bright	53.000	136	23Tau Sco	2.8220	30000.	106	32696	No
81	GOM_TRA_1PNPDE20080601_055000_000000392069_00077_32696_5049.N1	01-JUN-2008 05:50:00	Bright	38.500	80	7Del Sco	2.3160	30000.	77	32696	No
82	GOM_TRA_1PNPDE20080601_055132_000000452069_00077_32696_5050.N1	01-JUN-2008 05:51:32	Bright	44.500	86	35Eta Oph	2.4300	10200.	89	32696	No
83	GOM_TRA_1PNPDE20080601_055324_000000422069_00077_32696_5051.N1	01-JUN-2008 05:53:24	Bright	41.500	98	13Zet Oph	2.5710	30000.	83	32696	No
84	GOM_TRA_1PNPDE20080601_055535_000000392069_00077_32696_5052.N1	01-JUN-2008 05:55:35	Bright	39.000	120	1Del Oph	2.7340	3200.0	78	32696	No
85	GOM_TRA_1PNPDE20080601_055836_000000362069_00077_32696_5053.N1	01-JUN-2008 05:58:36	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	32696	No
86	GOM_TRA_1PNPDE20080601_060429_000000372069_00077_32696_5054.N1	01-JUN-2008 06:04:29	Bright	36.500	67	5Alp CrB	2.2210	11000.	73	32696	No
87	GOM_TRA_1PNPDE20080601_060706_000000432069_00077_32696_5055.N1	01-JUN-2008 06:07:06	Bright	43.000	133	40Zet Her	2.8070	6000.0	86	32696	No
88	GOM_TRA_1PNPDE20080601_061504_000000392069_00077_32696_5056.N1	01-JUN-2008 06:15:04	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	32696	No
89	GOM_TRA_1PNPDE20080601_062525_000000462069_00077_32696_5057.N1	01-JUN-2008 06:25:25	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	32696	No
90	GOM_TRA_1PNPDE20080601_204606_000000402069_00086_32705_5657.N1	01-JUN-2008 20:46:06	Straylight	40.000	147	Alp Ara	2.8770	26000.	80	32705	No
91	GOM_TRA_1PNPDE20080601_204748_000000462069_00086_32705_5658.N1	01-JUN-2008 20:47:48	Straylight	46.000	40	The Sco	1.8590	7100.0	92	32705	No
92	GOM_TRA_1PNPDE20080601_204935_000000482069_00086_32705_5659.N1	01-JUN-2008 20:49:35	Twilight_and_stray	47.500	25	35Lam Sco	1.6200	28000.	95	32705	No
93	GOM_TRA_1PNPDE20080601_205120_000000462069_00086_32705_5660.N1	01-JUN-2008 20:51:20	Twilight_and_stray	45.500	75	26Eps Sco	2.2910	4250.0	91	32705	No
94	GOM_TRA_1PNPDE20080601_205321_000000562069_00086_32705_5661.N1	01-JUN-2008 20:53:21	Bright	56.000	136	23Tau Sco	2.8220	30000.	112	32705	No
95	GOM_TRA_1PNPDE20080601_205657_000000452069_00086_32705_5662.N1	01-JUN-2008 20:56:57	Bright	44.500	86	35Eta Oph	2.4300	10200.	89	32705	No
96	GOM_TRA_1PNPDE20080601_205847_000000412069_00086_32705_5663.N1	01-JUN-2008 20:58:47	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	32705	No
97	GOM_TRA_1PNPDE20080601_210058_000000392069_00086_32705_5664.N1	01-JUN-2008 21:00:58	Bright	38.500	120	1Del Oph	2.7340	3200.0	77	32705	No
98	GOM_TRA_1PNPDE20080601_210359_000000372069_00086_32705_5665.N1	01-JUN-2008 21:03:59	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	32705	No
99	GOM_TRA_1PNPDE20080601_210901_000000442069_00086_32705_5666.N1	01-JUN-2008 21:09:01	Bright	43.500	127	27Bet Her	2.7810	4700.0	87	32705	No
100	GOM_TRA_1PNPDE20080601_211225_000000422069_00086_32705_5667.N1	01-JUN-2008 21:12:25	Bright	42.000	133	40Zet Her	2.8070	6000.0	84	32705	No
101	GOM_TRA_1PNPDE20080601_212024_000000392069_00086_32705_5668.N1	01-JUN-2008 21:20:24	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	32705	No
102	GOM_TRA_1PNPDE20080601_213043_000000472069_00086_32705_5669.N1	01-JUN-2008 21:30:43	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	32705	No
103	GOM_TRA_1PNPDE20080601_213552_000000382069_00086_32705_5670.N1	01-JUN-2008 21:35:52	Bright	38.000	76	27Gam Cas	2.3000	30000.	76	32705	No
104	GOM_TRA_1PNPDE20080601_214340_000000442069_00086_32705_5671.N1	01-JUN-2008 21:43:40	Bright	44.000	53	43Bet And	2.0480	3300.0	88	32705	No
105	GOM_TRA_1PNPDE20080601_215126_000000542069_00086_32705_5672.N1	01-JUN-2008 21:51:26	Dark	53.500	140	88Gam Peg	2.8340	26000.	107	32705	No
106	GOM_TRA_1PNPDE20080601_220027_000000472069_00086_32705_5796.N1	01-JUN-2008 22:00:27	Dark	46.500	52	16Bet Cet	2.0370	4500.0	93	32705	No
107	GOM_TRA_1PNPDE20080601_220920_000000672069_00086_32705_5797.N1	01-JUN-2008 22:09:20	Dark	67.000	18	24Alp PsA	1.1660	9700.0	134	32705	No
108	GOM_TRA_1PNPDE20080601_221232_000000492069_00087_32706_5798.N1	01-JUN-2008 22:12:32	Dark	48.500	63	Bet Gru	2.1500	2800.0	97	32706	No
109	GOM_TRA_1PNPDE20080601_221426_000000452069_00087_32706_5799.N1	01-JUN-2008 22:14:26	Dark	44.500	31	Alp Gru	1.7340	15200.	89	32706	No
110	GOM_TRA_1PNPDE20080601_221920_000000432069_00087_32706_5800.N1	01-JUN-2008 22:19:20	Straylight	43.000	45	Alp Pav	1.9400	26000.	86	32706	No
111	GOM_TRA_1PNPDE20080601_222642_000000402069_00087_32706_5801.N1	01-JUN-2008 22:26:42	Straylight	39.500	147	Alp Ara	2.8770	26000.	79	32706	No
112	GOM_TRA_1PNPDE20080601_222824_000000412069_00087_32706_5802.N1	01-JUN-2008 22:28:24	Straylight	41.000	40	The Sco	1.8590	7100.0	82	32706	No
113	GOM_TRA_1PNPDE20080601_223011_000000452069_00087_32706_5803.N1	01-JUN-2008 22:30:11	Twilight_and_stray	44.500	25	35Lam Sco	1.6200	28000.	89	32706	No
114	GOM_TRA_1PNPDE20080601_223156_000000462069_00087_32706_5804.N1	01-JUN-2008 22:31:56	Twilight_and_stray	45.500	75	26Eps Sco	2.2910	4250.0	91	32706	No
115	GOM_TRA_1PNPDE20080601_223357_000000552069_00087_32706_5805.N1	01-JUN-2008 22:33:57	Bright	54.500	136	23Tau Sco	2.8220	30000.	109	32706	No
116	GOM_TRA_1PNPDE20080601_223733_000000452069_00087_32706_5806.N1	01-JUN-2008 22:37:33	Bright	45.000	86	35Eta Oph	2.4300	10200.	90	32706	No
117	GOM_TRA_1PNPDE20080601_223923_000000402069_00087_32706_5807.N1	01-JUN-2008 22:39:23	Bright	39.500	98	13Zet Oph	2.5710	30000.	79	32706	No
118	GOM_TRA_1PNPDE20080601_224134_000000392069_00087_32706_5808.N1	01-JUN-2008 22:41:34	Bright	38.500	120	1Del Oph	2.7340	3200.0	77	32706	No
119	GOM_TRA_1PNPDE20080601_224435_000000362069_00087_32706_5809.N1	01-JUN-2008 22:44:35	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	32706	No
120	GOM_TRA_1PNPDE20080601_224936_000000422069_00087_32706_5810.N1	01-JUN-2008 22:49:36	Bright	42.000	127	27Bet Her	2.7810	4700.0	84	32706	No
121	GOM_TRA_1PNPDE20080601_225300_000000432069_00087_32706_5811.N1	01-JUN-2008 22:53:00	Bright	43.000	133	40Zet Her	2.8070	6000.0	86	32706	No
122	GOM_TRA_1PNPDE20080601_230100_000000392069_00087_32706_5812.N1	01-JUN-2008 23:01:00	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	32706	No
123	GOM_TRA_1PNPDE20080601_231119_000000462069_00087_32706_5813.N1	01-JUN-2008 23:11:19	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	32706	No
124	GOM_TRA_1PNPDE20080601_231627_000000412069_00087_32706_5814.N1	01-JUN-2008 23:16:27	Bright	41.000	76	27Gam Cas	2.3000	30000.	82	32706	No
125	GOM_TRA_1PNPDE20080601_232416_000000412069_00087_32706_5815.N1	01-JUN-2008 23:24:16	Bright	40.500	53	43Bet And	2.0480	3300.0	81	32706	No
126	GOM_TRA_1PNPDE20080601_234103_000000462069_00087_32706_5931.N1	01-JUN-2008 23:41:03	Dark	45.500	52	16Bet Cet	2.0370	4500.0	91	32706	No
127	GOM_TRA_1PNPDE20080601_234957_000000572069_00087_32706_5932.N1	01-JUN-2008 23:49:57	Dark	56.500	18	24Alp PsA	1.1660	9700.0	113	32706	No
128	GOM_TRA_1PNPDE20080601_235309_000000622069_00088_32707_5933.N1	01-JUN-2008 23:53:09	Dark	61.500	63	Bet Gru	2.1500	2800.0	123	32707	No
129	GOM_TRA_1PNPDE20080601_235503_000000462069_00088_32707_5934.N1	01-JUN-2008 23:55:03	Dark	46.000	31	Alp Gru	1.7340	15200.	92	32707	No
130	GOM_TRA_1PNPDE20080601_235957_000000422069_00088_32707_5935.N1	01-JUN-2008 23:59:57	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	32707	No

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



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

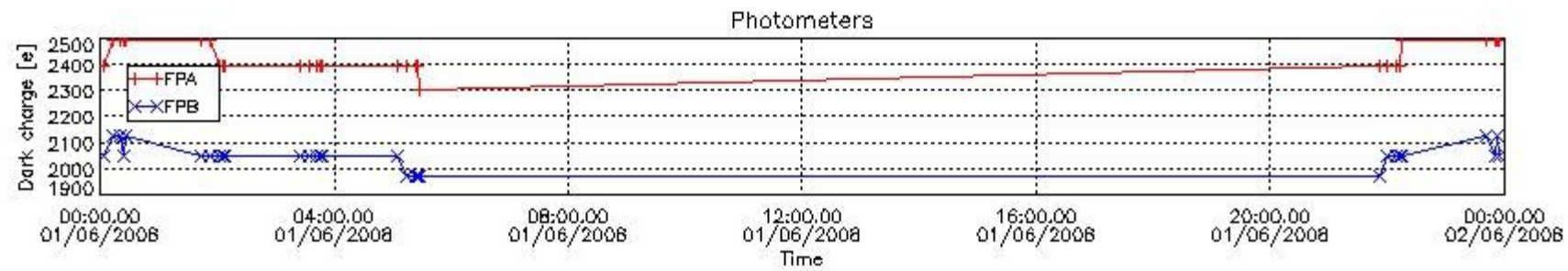
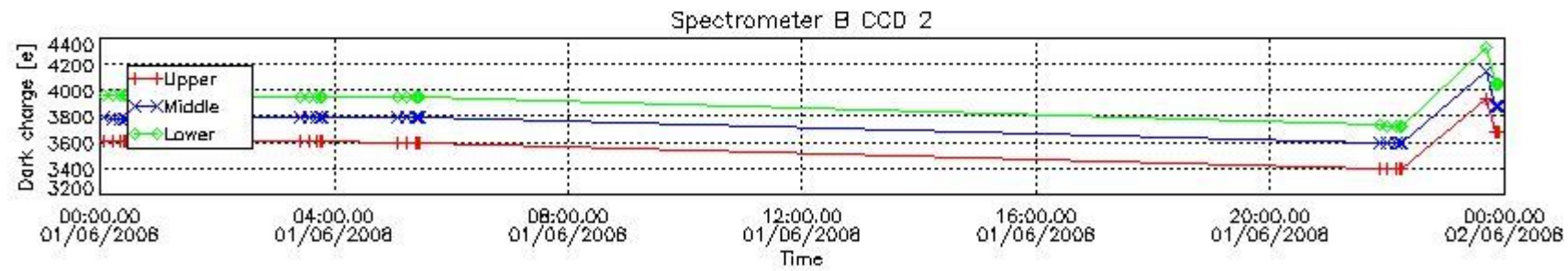
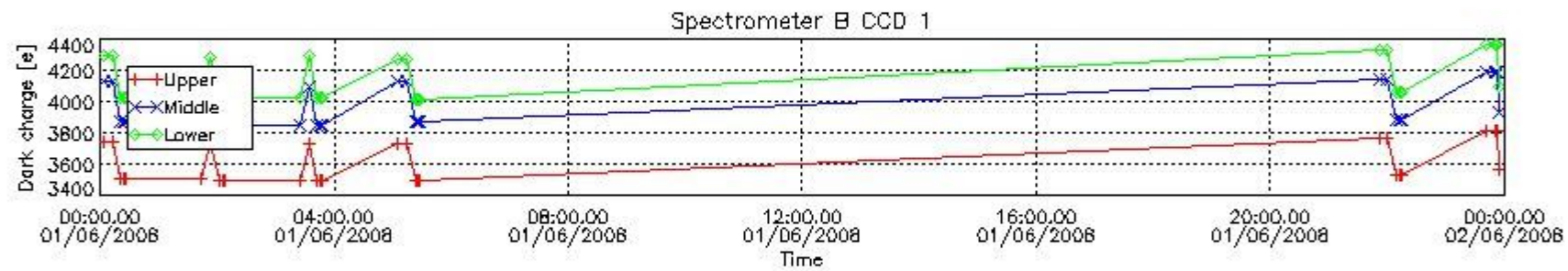
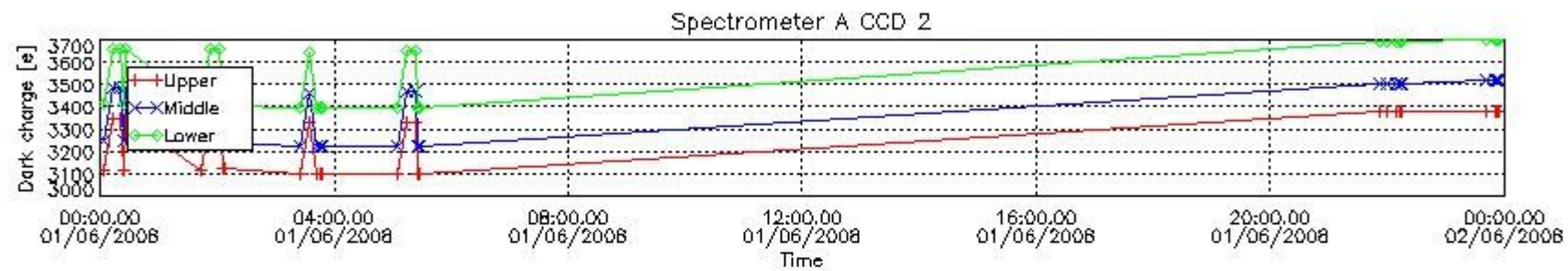
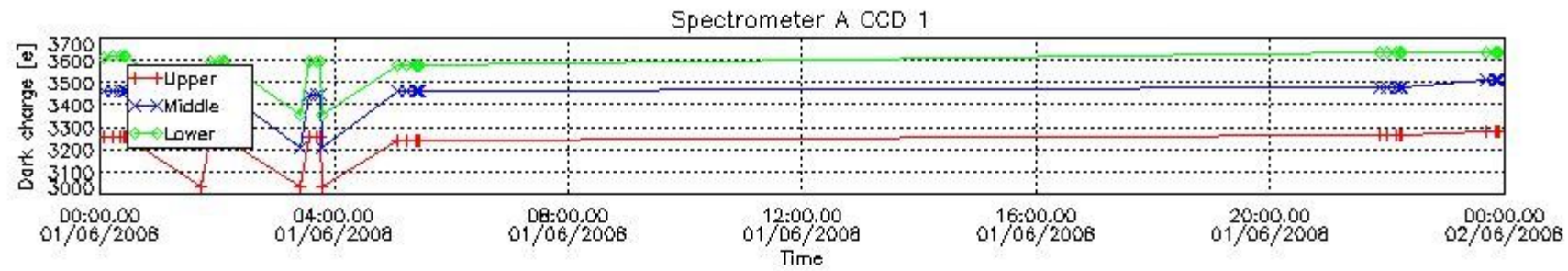
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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 All products used the DSA observation for the DC computation

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





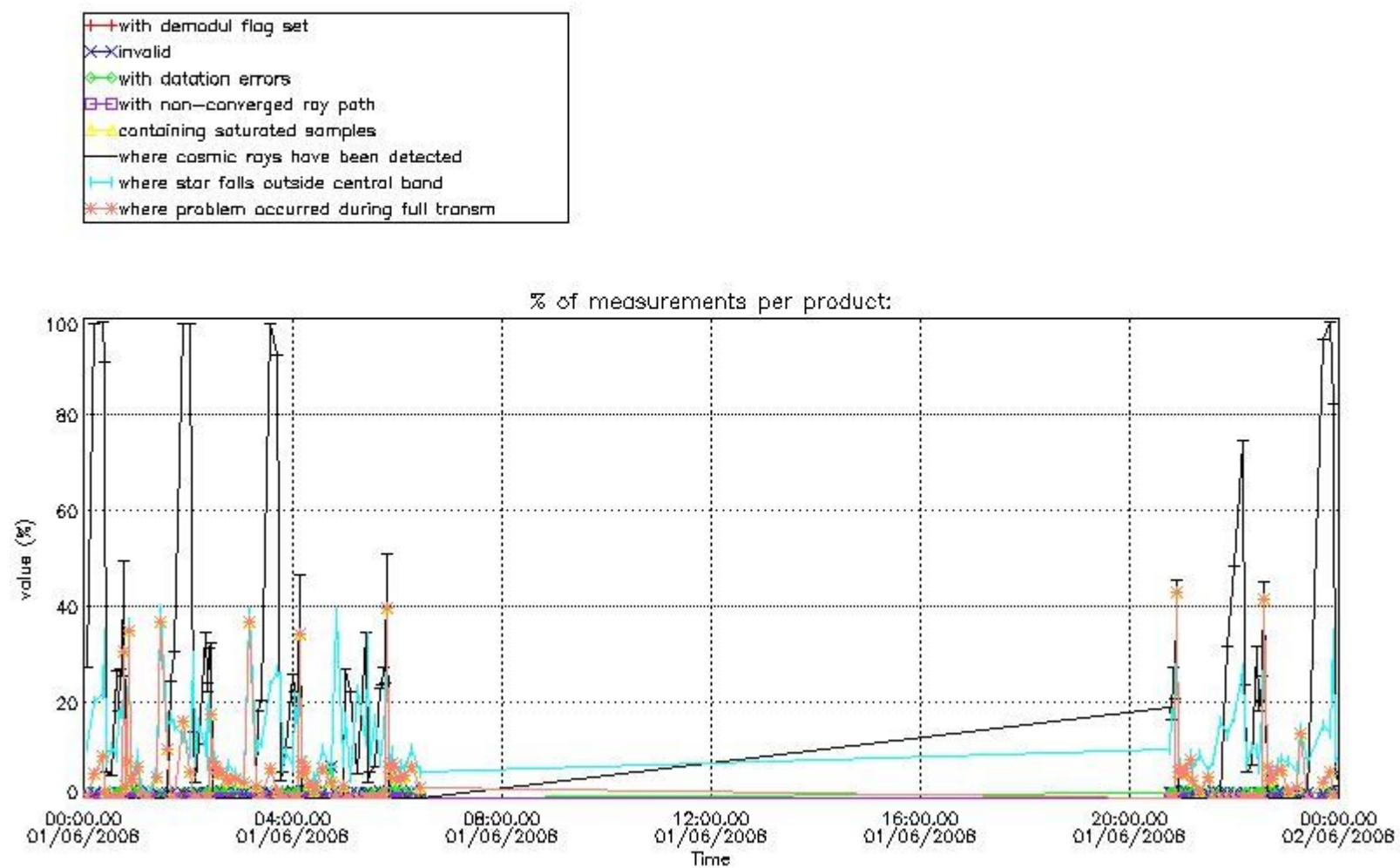
## 5. Demodulation flag and quality information monitoring

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:

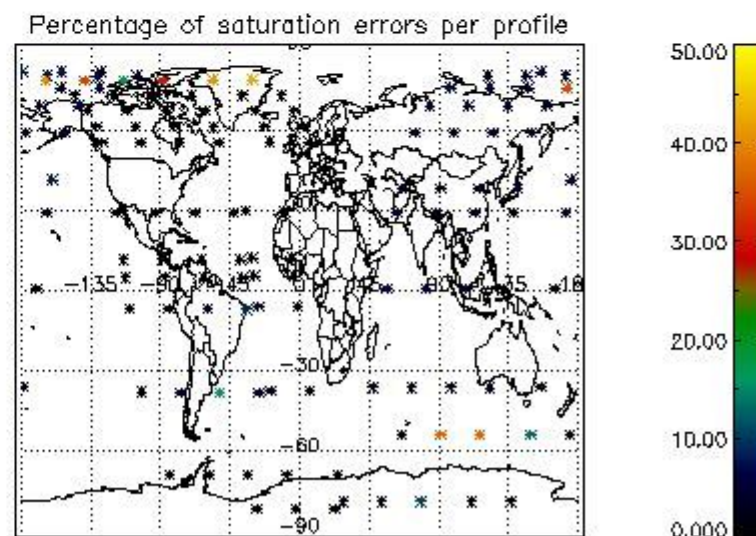
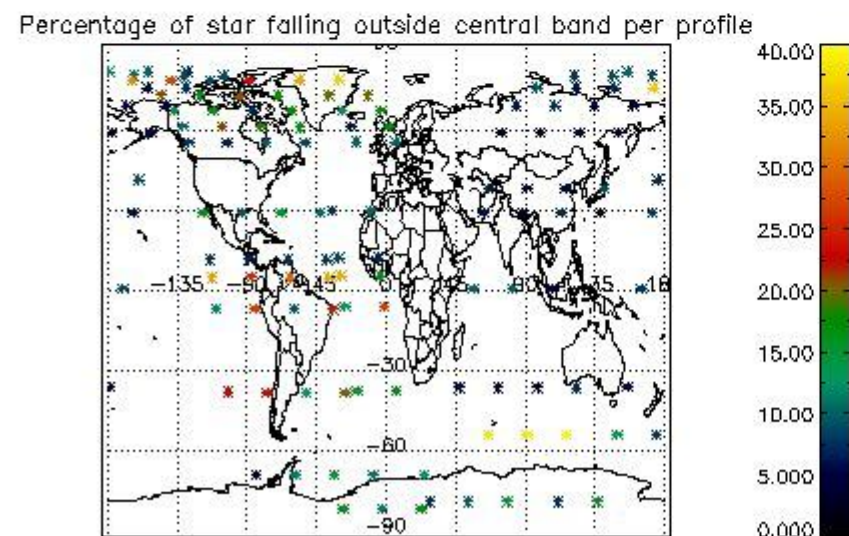
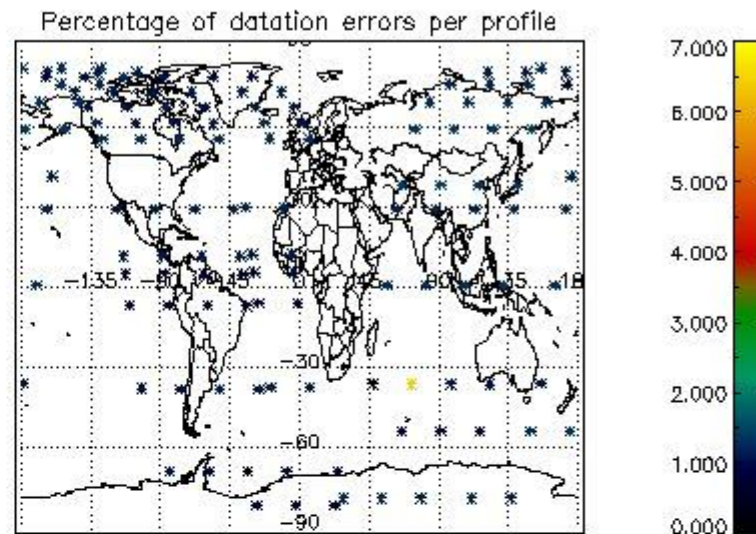
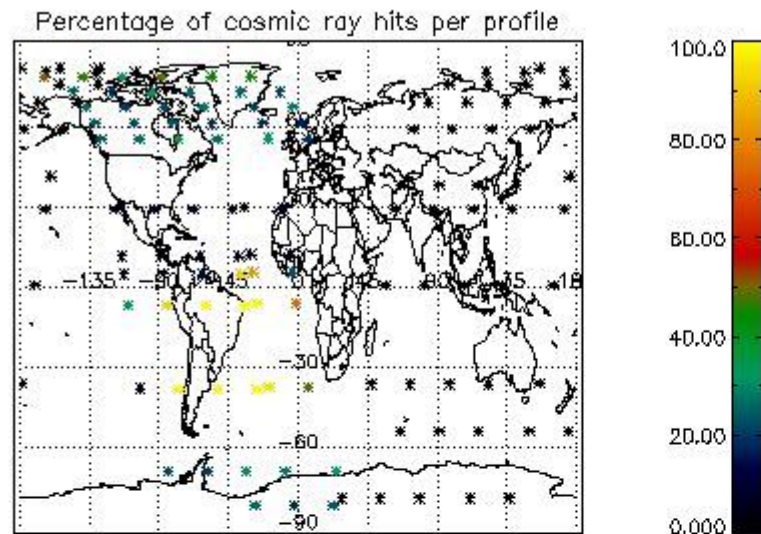
At least one measurement with demodulation flag set:	23.0769 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

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)

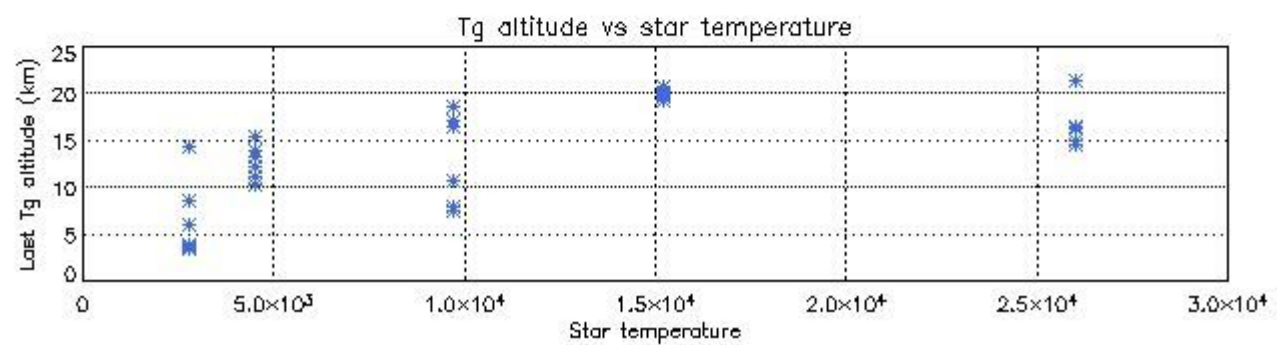
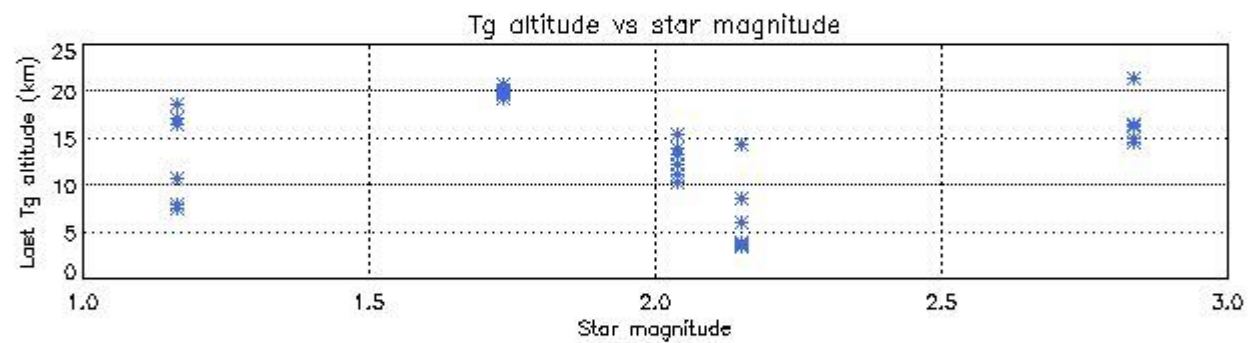
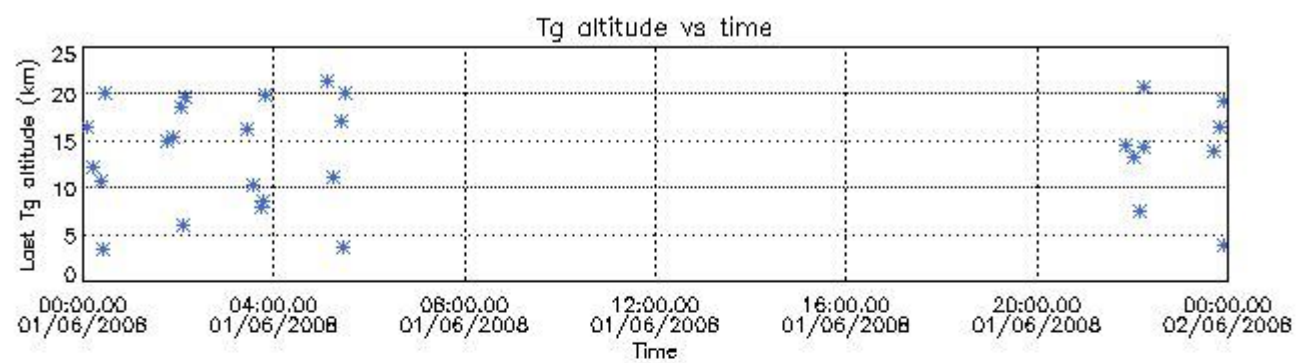
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.675	18.383	NaN
St. deviation:	5.5230	5.6235	NaN
Maximum:	21.283	27.961	NaN
Minimum:	3.3565	3.4052	NaN
Number of data:	29.000	68.000	NaN

### 6.2 Plot for DARK limb products

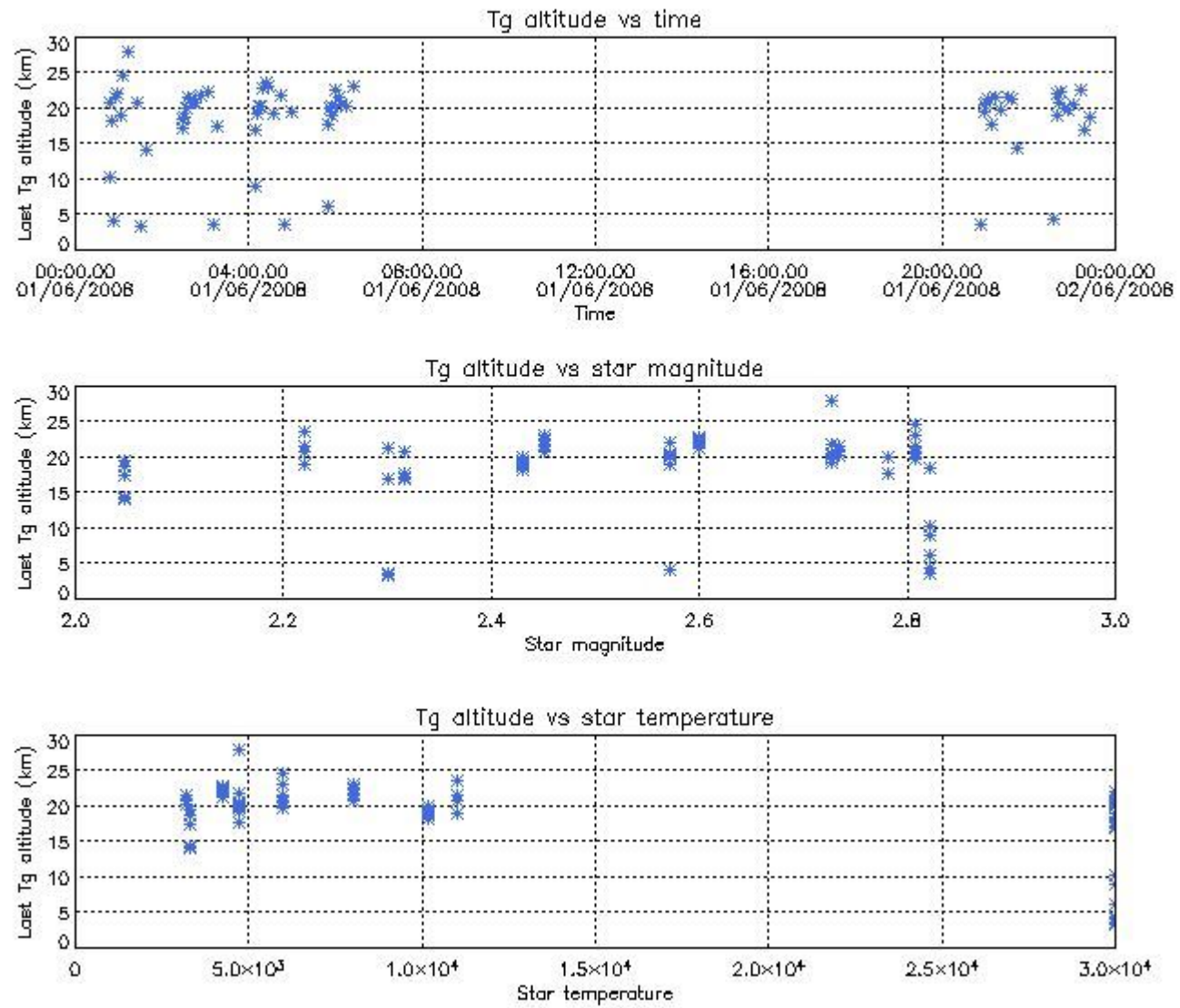


Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost

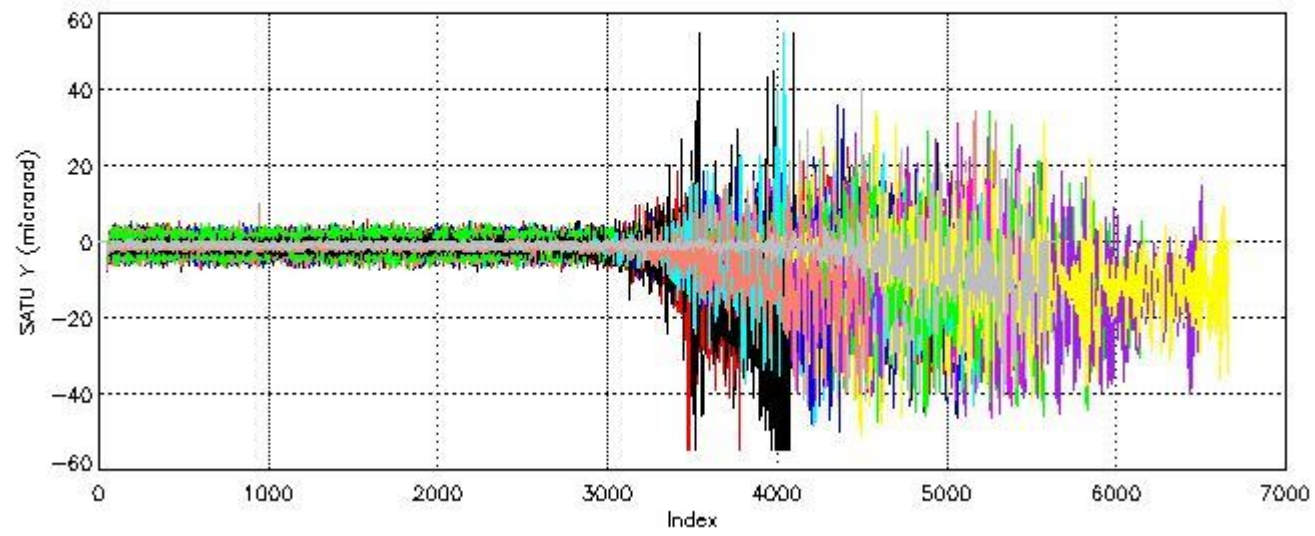
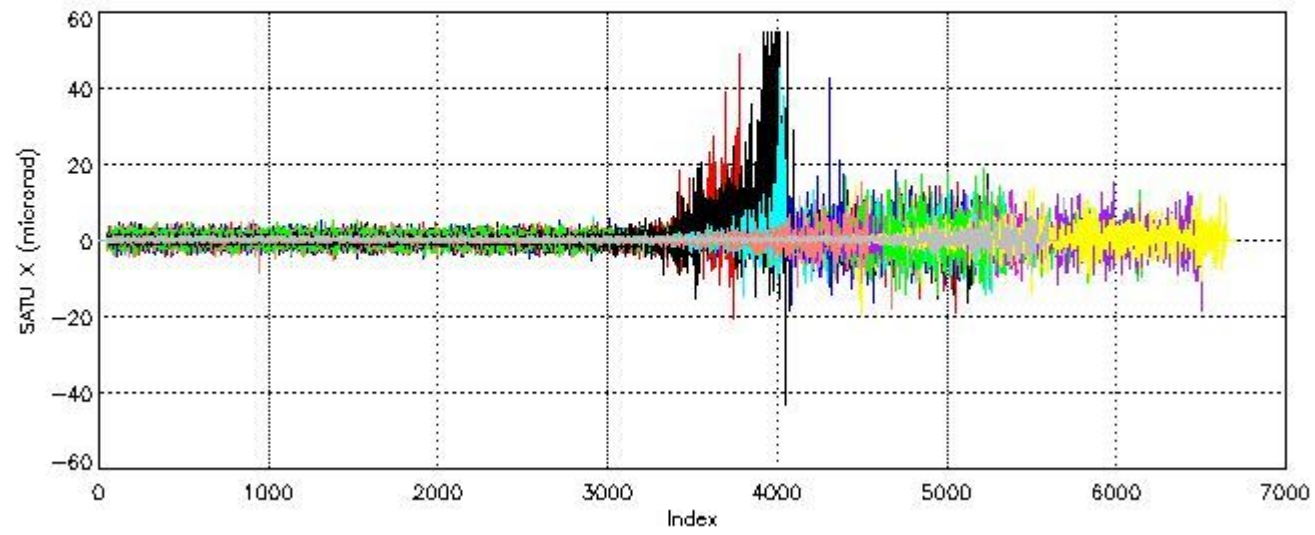


## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.24497	-1.1162	0.26174	-1.2763
St. deviation:	0.52876	1.0061	0.83829	1.3316
Maximum:	5.3000	9.8000	5.5000	4.8000
Minimum:	-8.4000	-8.0000	-4.6000	-8.9000



Number of data:	32250.	32250.	62200.	62200.
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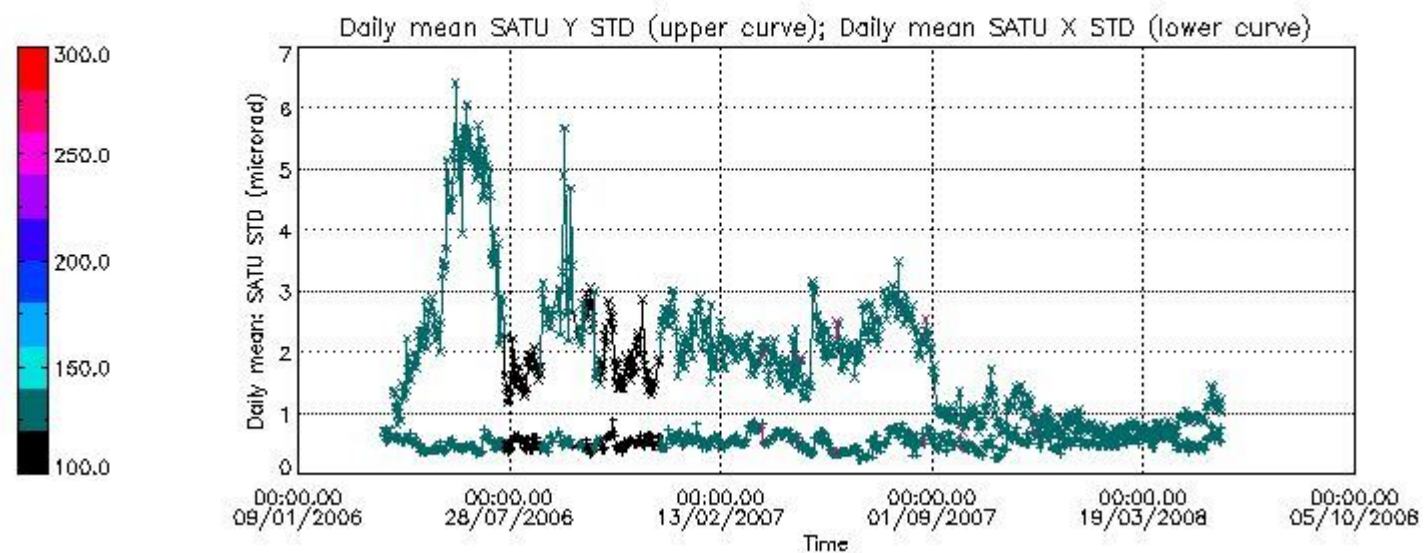
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

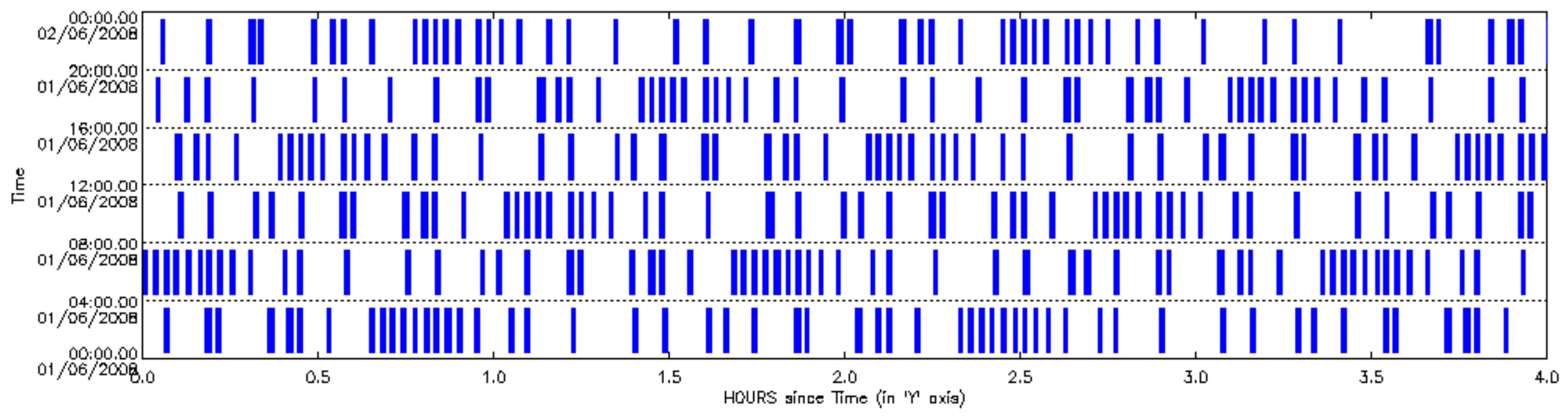
Lower curve: STD of SATU X axis

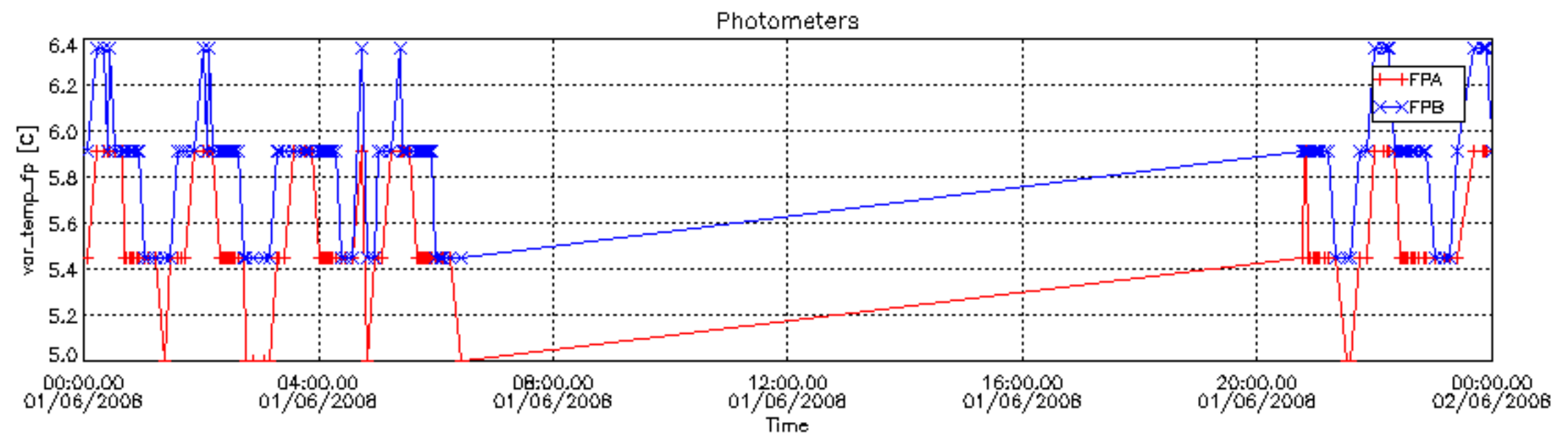
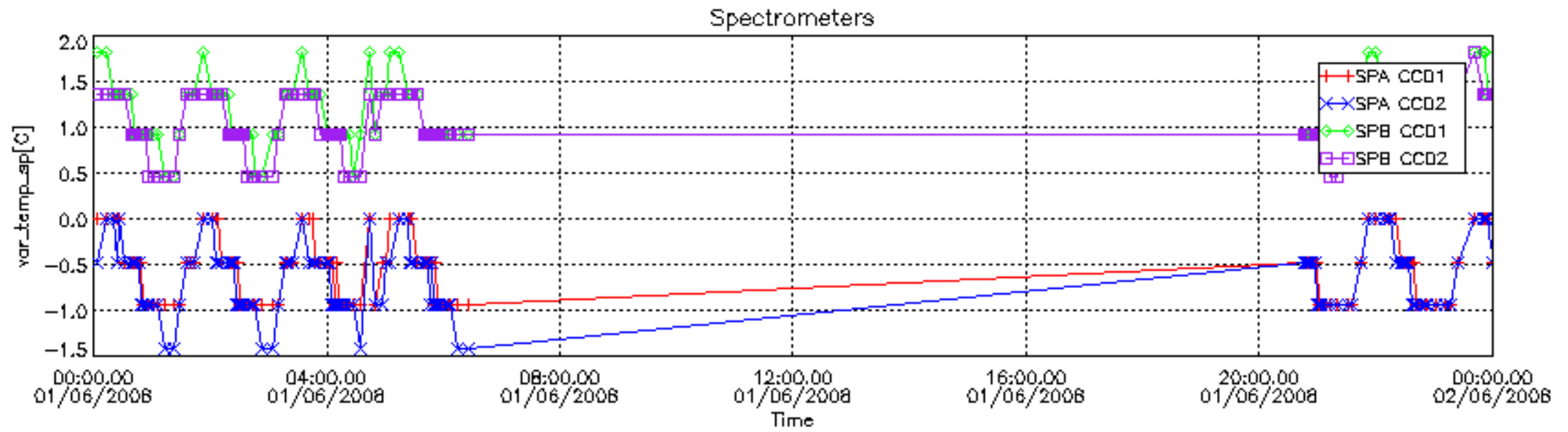


### 8. Auxiliary Data Files used for the production reported in section 2.4

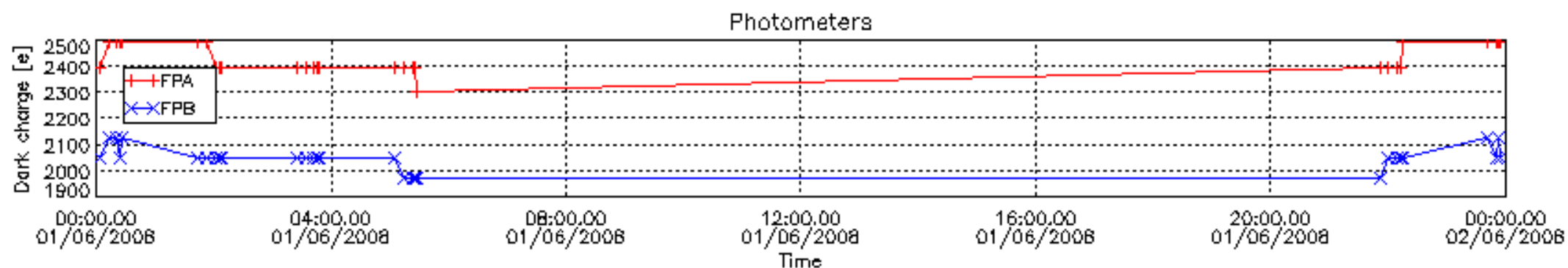
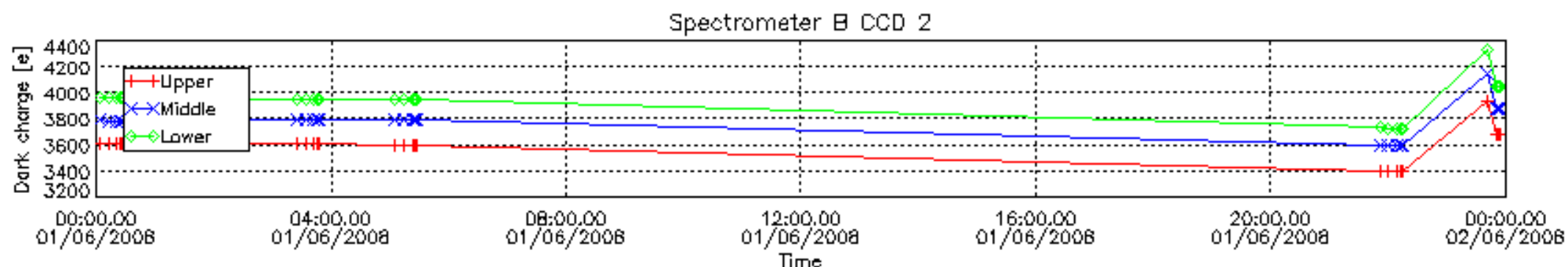
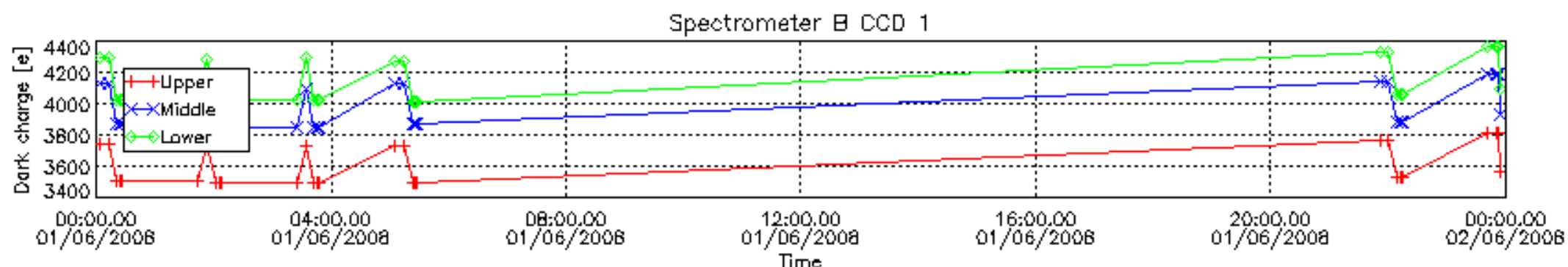
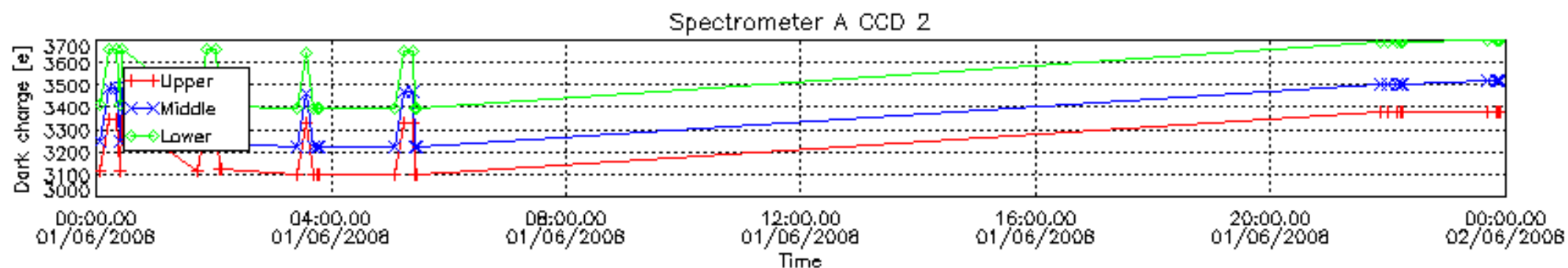
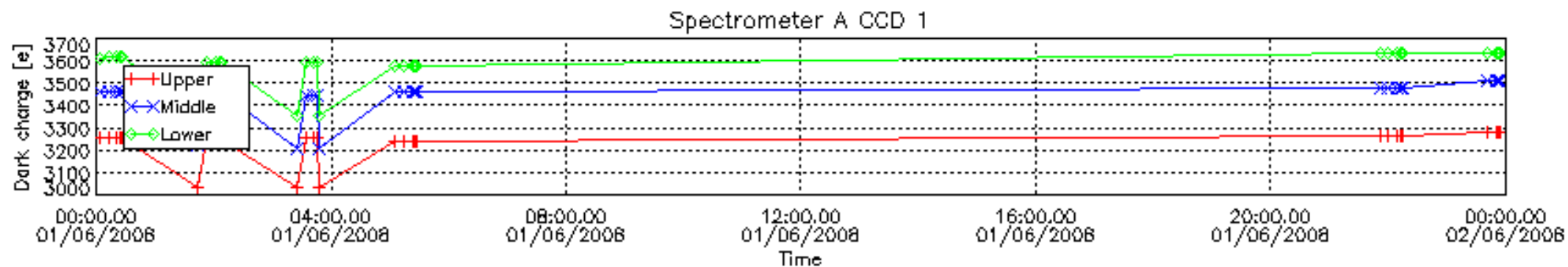
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

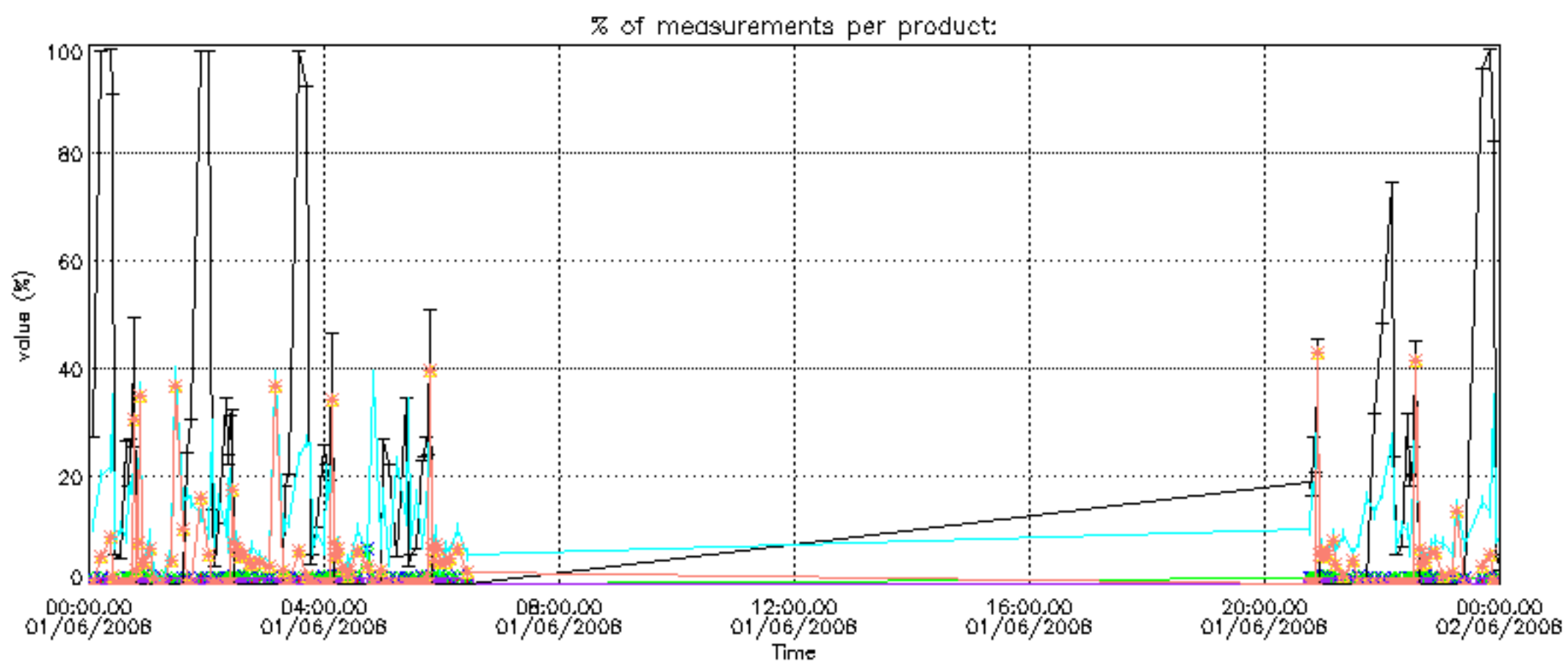
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	01-JUN-2008 00:03:31
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20080530_132758_20080528_000000_20100101_000000	1	01-JUN-2008 00:03:31
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	01-JUN-2008 00:03:31
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	01-JUN-2008 00:03:31
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	01-JUN-2008 00:03:31
ECMWF_FILE	AUX_ECF_AXNECM20080531_072116_20080531_210000_20080601_090000	1	01-JUN-2008 00:03:31
ECMWF_FILE	AUX_ECF_AXNECM20080531_192115_20080601_030000_20080601_150000	43	01-JUN-2008 03:04:14
ECMWF_FILE	AUX_ECF_AXNECM20080601_072111_20080601_150000_20080602_030000	90	01-JUN-2008 20:46:06
ECMWF_FILE	AUX_ECF_AXNECM20080601_072112_20080601_210000_20080602_090000	106	01-JUN-2008 22:00:27
OPTIONAL_ECMWF_FILE	MISSING	1	01-JUN-2008 00:03:31
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080531_204309_000060572069_00071_32690_5644.N1	1	01-JUN-2008 00:03:31
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080531_222925_000057382069_00072_32691_5645.N1	2	01-JUN-2008 00:12:31
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080601_001022_000054192069_00073_32692_5646.N1	25	01-JUN-2008 01:53:08
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080601_014600_000041442069_00074_32693_5647.N1	43	01-JUN-2008 03:04:14
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080601_030023_000057382069_00075_32694_5648.N1	66	01-JUN-2008 04:44:50
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080601_204302_000041442069_00086_32705_5650.N1	90	01-JUN-2008 20:46:06
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080601_215725_000057382069_00086_32705_5651.N1	126	01-JUN-2008 23:41:03



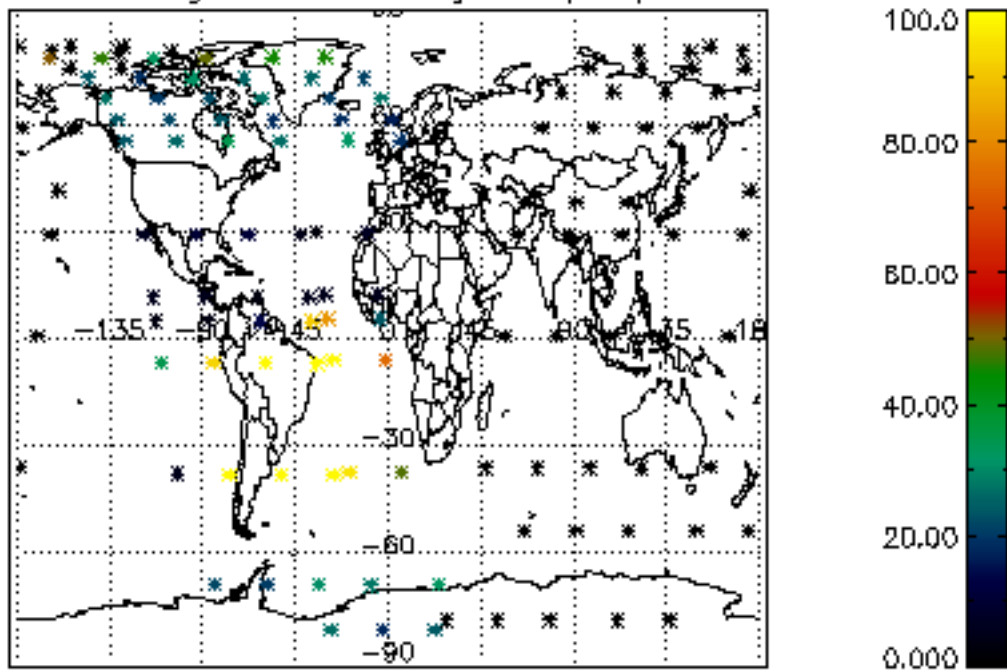




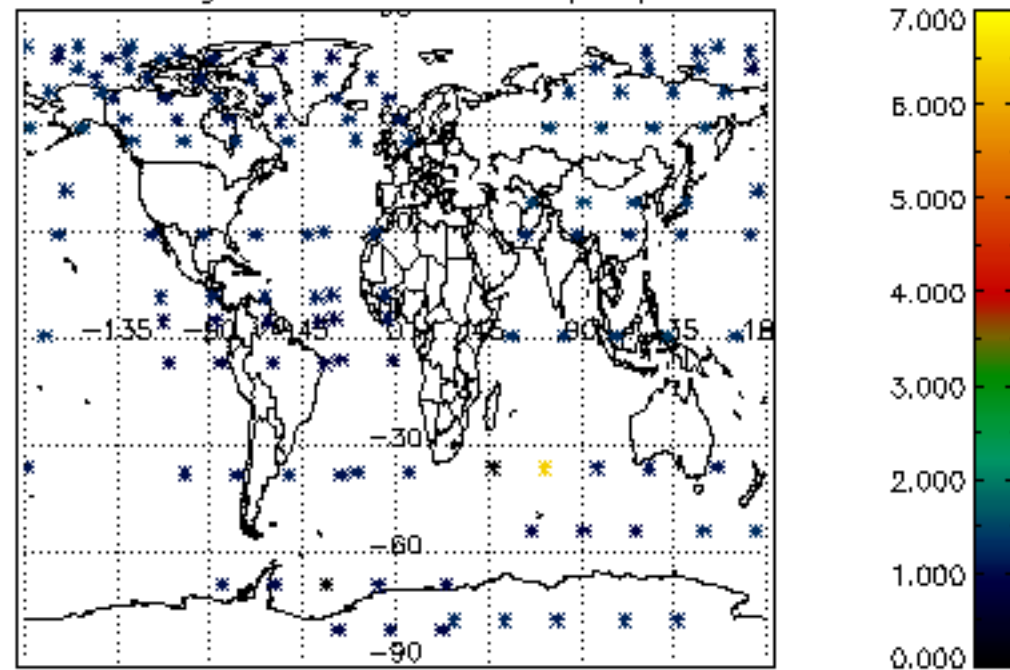




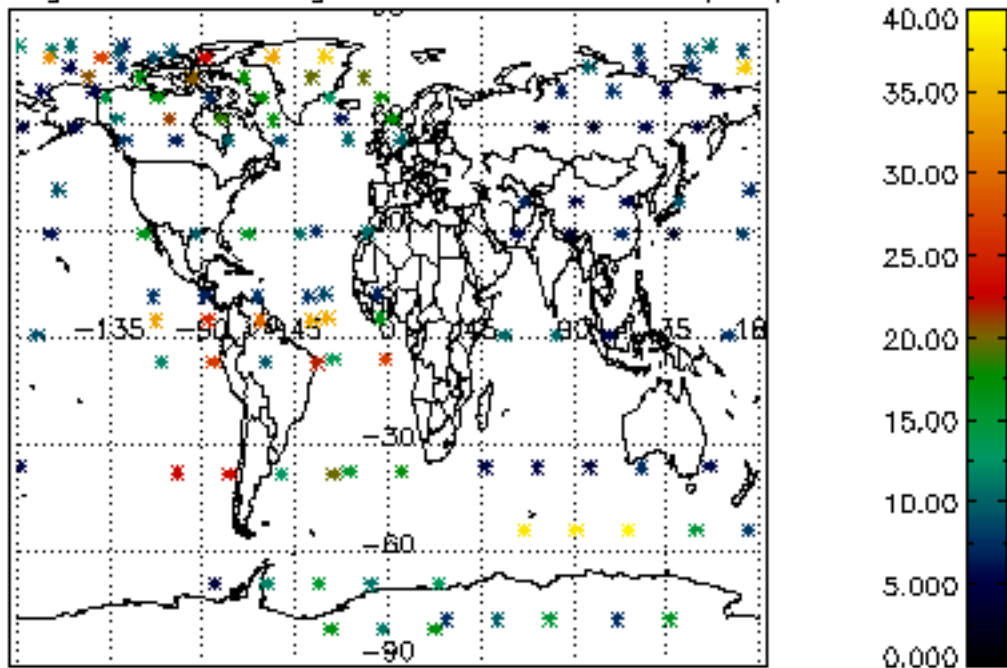
Percentage of cosmic ray hits per profile



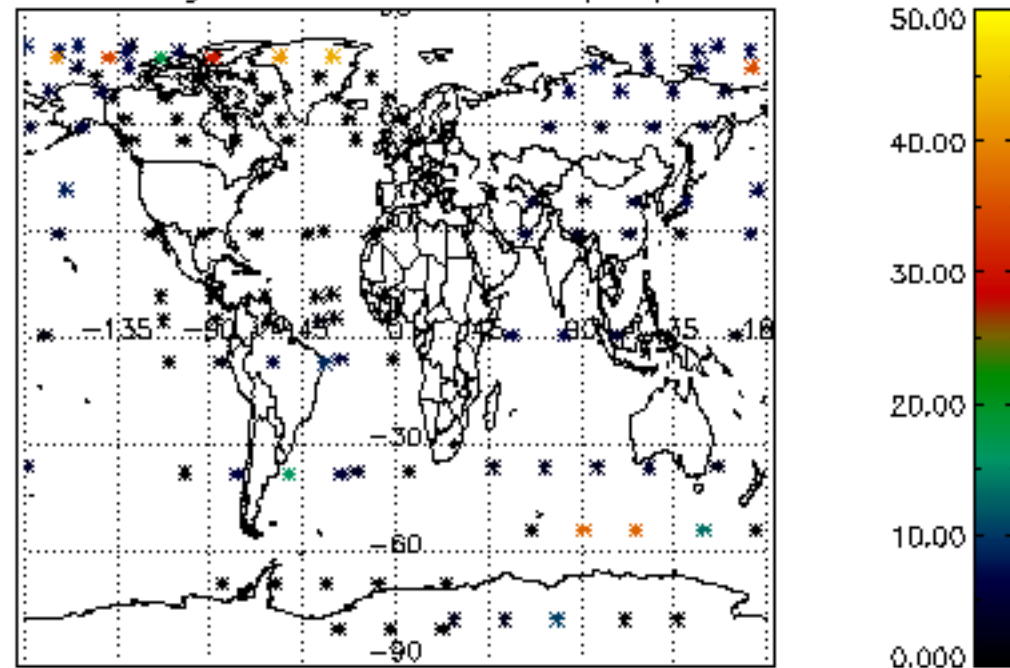
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

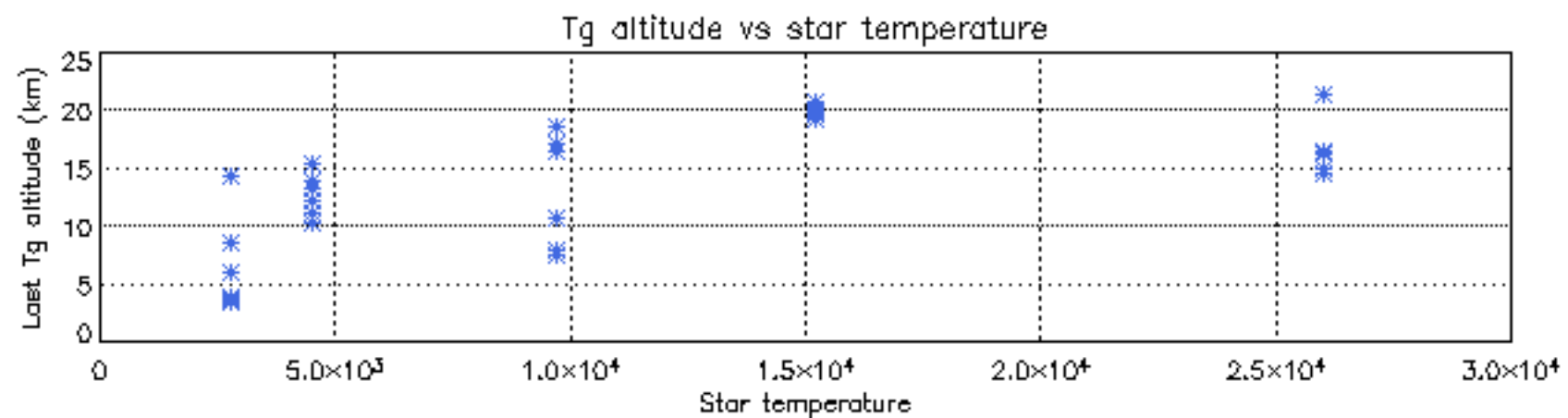
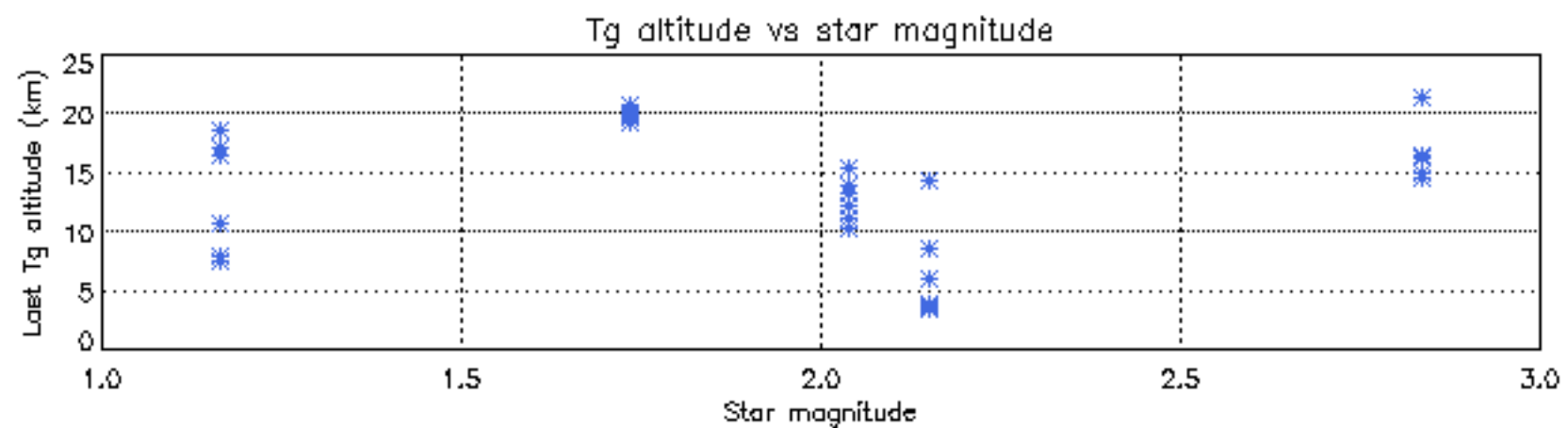
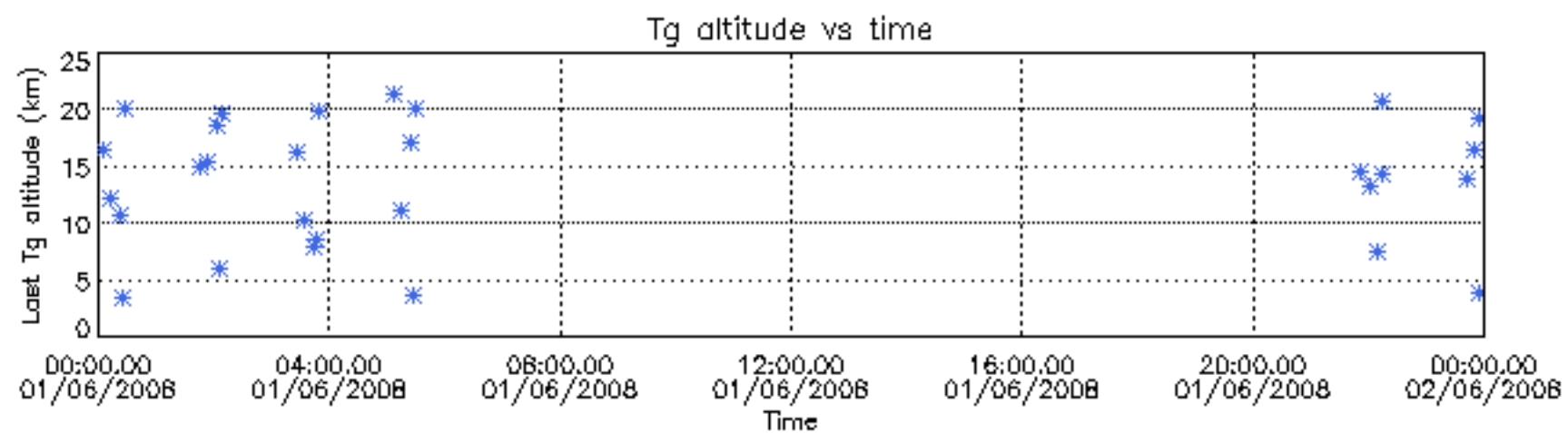


Percentage of saturation errors per profile

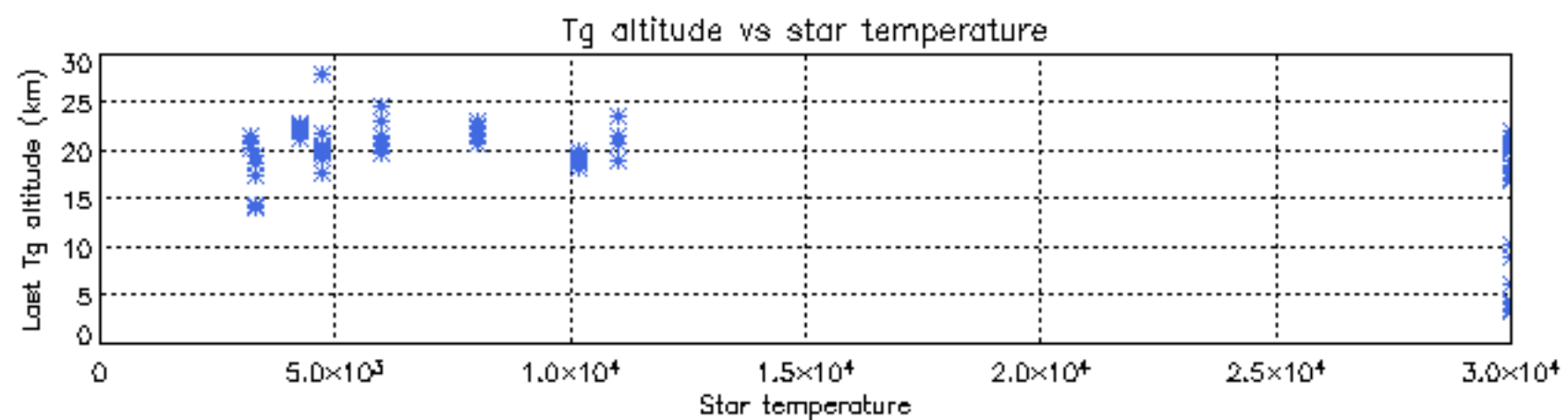
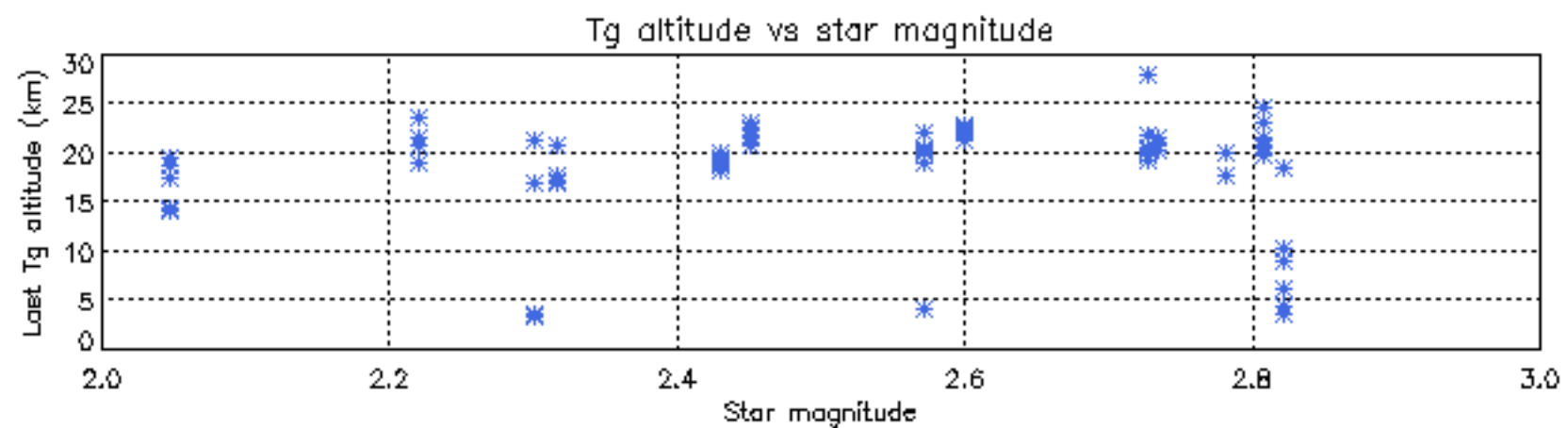
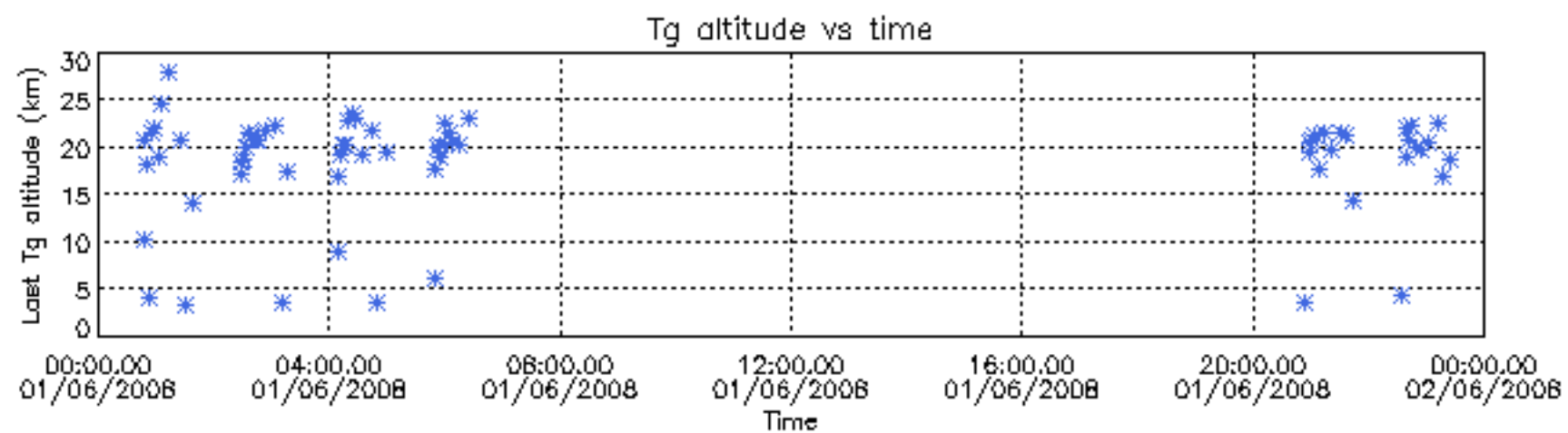


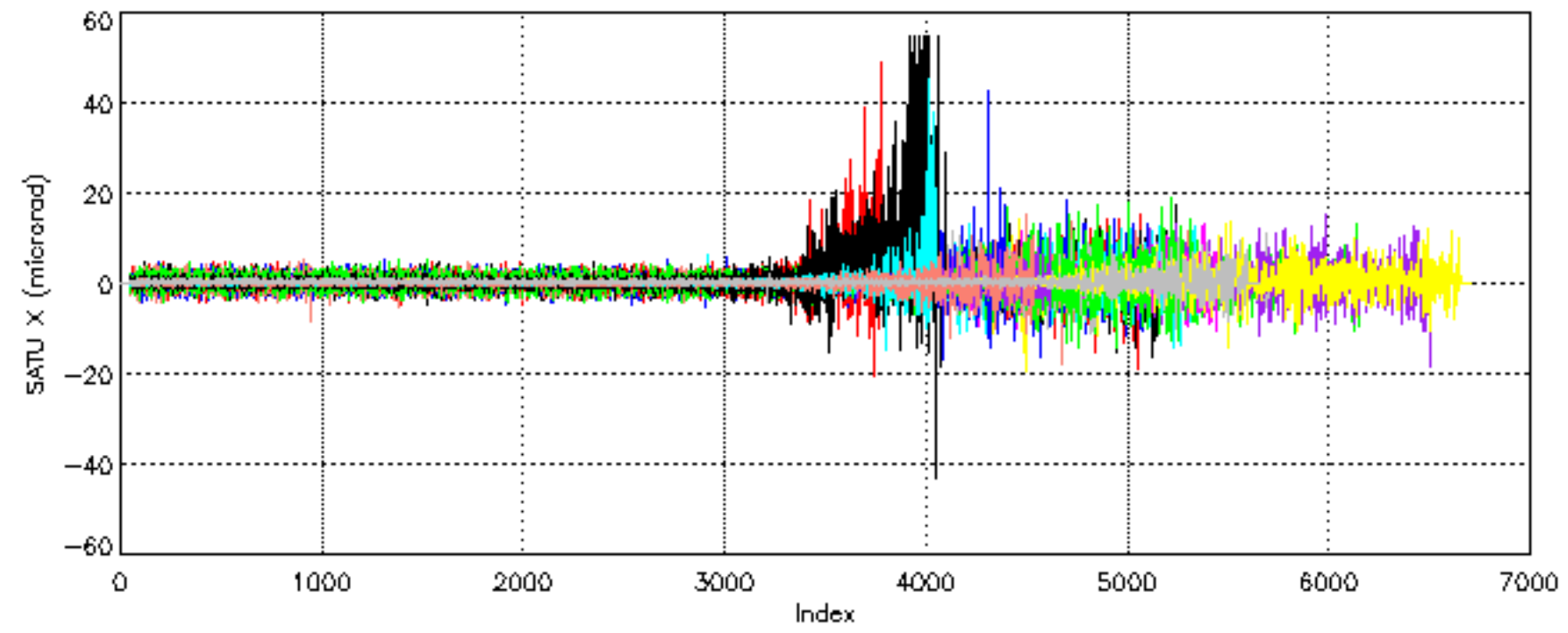


Tangent altitude at which the star is lost

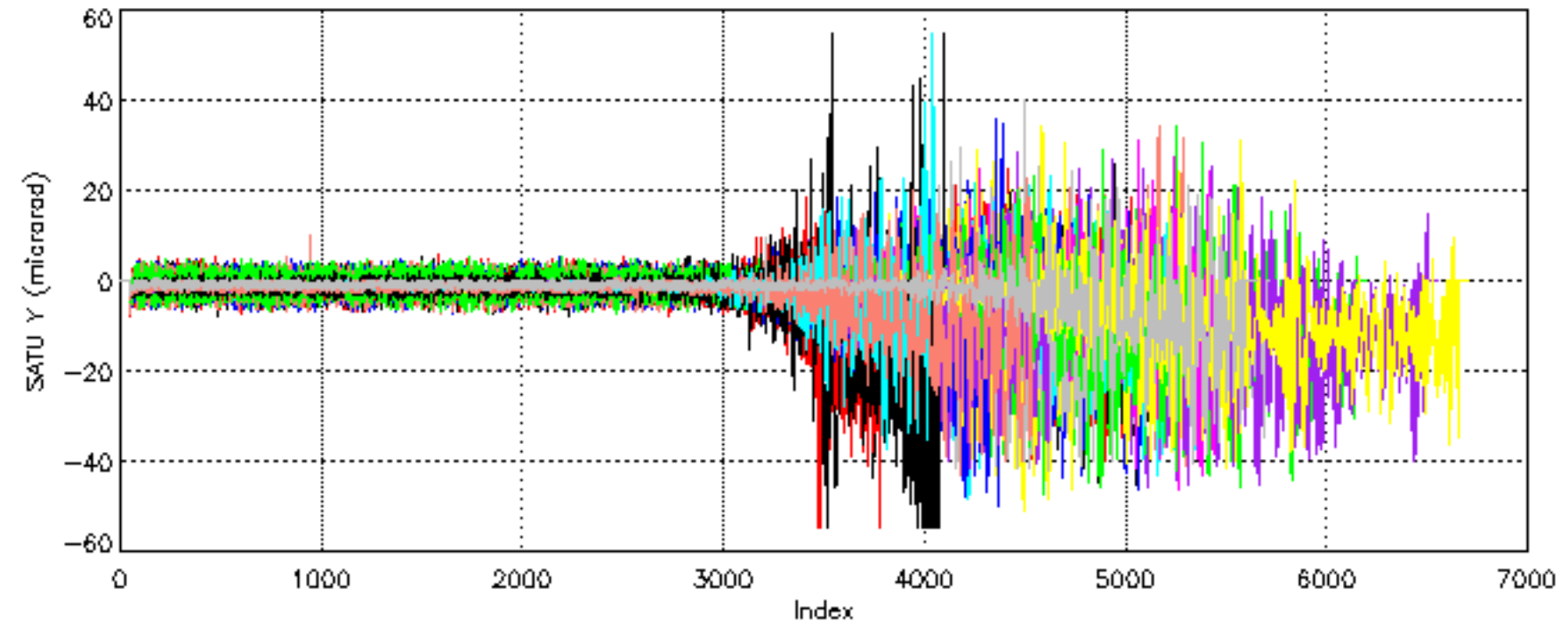


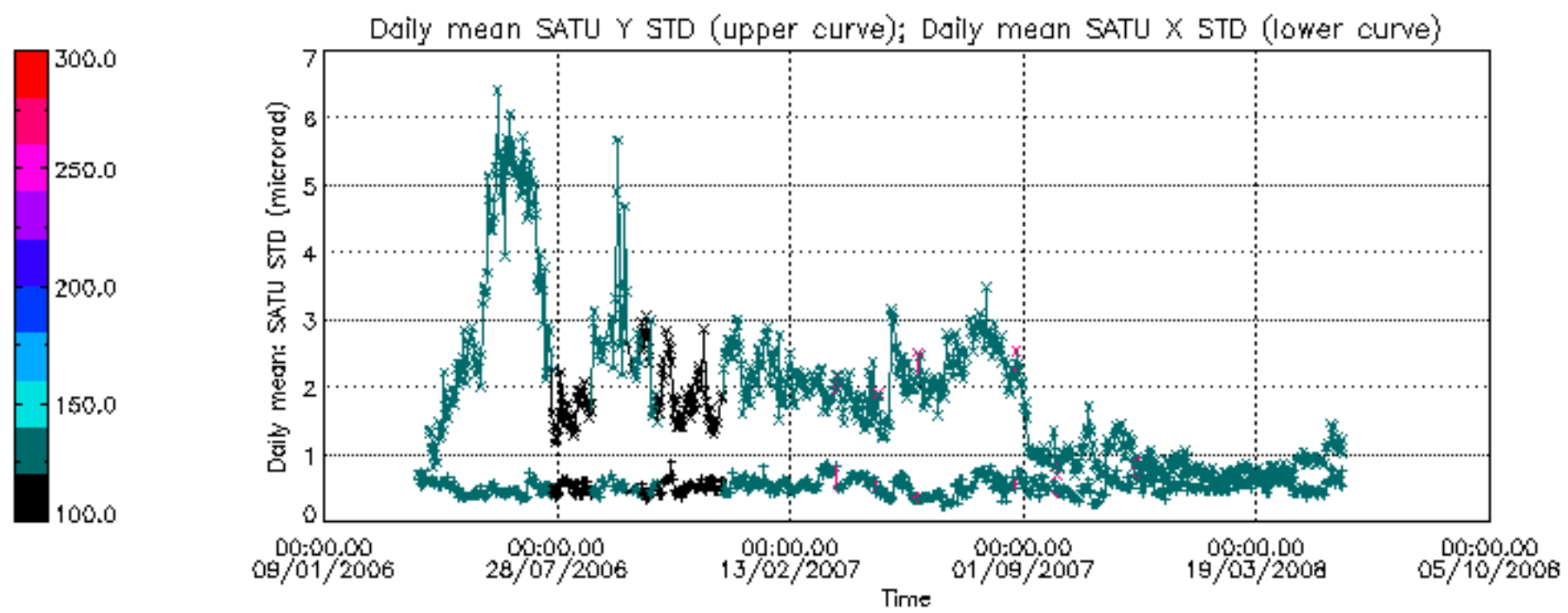
Tangent altitude at which the star is lost











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 4; 80.8; 01-JUN-2008 00:24:34; Dark ; 61.5; 63; Bet Gru ; 2.15; 2800;occ; 123; 0;32693  
 5; 193.6; 01-JUN-2008 00:26:26; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;32693  
 6; 491.2; 01-JUN-2008 00:31:24; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32693  
 7; 936.9; 01-JUN-2008 00:38:50; Dark ; 39.5; 147; Alp Ara ; 2.88; 26000;occ; 79; 0;32693  
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 11; 1373.9; 01-JUN-2008 00:46:07; Dark ; 47.5; 136; 23Tau Sco ; 2.82; 30000;occ; 95; 0;32693  
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 13; 1591.4; 01-JUN-2008 00:49:44; Bright; 46.0; 86; 35Eta Oph ; 2.43; 10200;occ; 92; 0;32693  
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 16; 2014.6; 01-JUN-2008 00:56:47; Bright; 36.5; 102; 24Alp Ser ; 2.60; 4250;occ; 73; 0;32693  
 17; 2368.7; 01-JUN-2008 01:02:41; Bright; 38.0; 67; 5Alp CrB ; 2.22; 11000;occ; 76; 0;32693  
 18; 2526.4; 01-JUN-2008 01:05:19; Bright; 41.0; 133; 40Zet Her ; 2.81; 6000;occ; 82; 0;32693  
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 20; 3626.4; 01-JUN-2008 01:23:39; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;32693  
 21; 3928.8; 01-JUN-2008 01:28:42; Bright; 56.0; 76; 27Gam Cas ; 2.30; 30000;occ; 112; 0;32693  
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 23; 4557.0; 01-JUN-2008 01:39:10; Dark ; 53.5; 58; 21Alp And ; 2.07; 11000;occ; 107; 0;32693  
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 4; 81.7; 01-JUN-2008 02:05:10; Dark ; 57.5; 63; Bet Gru ; 2.15; 2800;occ; 115; 0;32694  
 5; 194.6; 01-JUN-2008 02:07:03; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;32694  
 6; 492.0; 01-JUN-2008 02:12:01; Dark ; 45.0; 45; Alp Pav ; 1.94; 26000;occ; 90; 0;32694  
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 8; 1038.7; 01-JUN-2008 02:21:07; Dark ; 46.0; 40; The Sco ; 1.86; 7100;occ; 92; 0;32694  
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 16; 2014.7; 01-JUN-2008 02:37:23; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;32694  
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 18; 2526.1; 01-JUN-2008 02:45:55; Bright; 43.0; 133; 40Zet Her ; 2.81; 6000;occ; 86; 0;32694  
 19; 3003.4; 01-JUN-2008 02:53:52; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;32694  
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 5; -1180.4; 01-JUN-2008 03:24:44; Dark ; 51.5; 140; 88Gam Peg ; 2.83; 26000;occ; 103; 0;32694  
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 9; 82.7; 01-JUN-2008 03:45:47; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;32695  
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 11; 492.5; 01-JUN-2008 03:52:37; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32695  
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24; 3003.4; 01-JUN-2008 04:34:28; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32695
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8; 1044.4; 02-JUN-2008 00:09:00; Dark ; 43.5; 40; The Sco ; 1.86; 7100;occ; 87; 0;32707
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20; 4266.3; 10-JUN-2008 01:51:34; Bright; 55.0; 73; 57Gam1And ; 2.26; 13100;occ; 110; 0;32822  
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5; 198.1; 10-JUN-2008 02:24:22; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;32823
6; 319.0; 10-JUN-2008 02:26:23; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;32823
7; 577.5; 10-JUN-2008 02:30:42; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32823
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11; 1605.0; 10-JUN-2008 02:47:49; Bright; 41.0; 86; 35Eta Oph ; 2.43; 10200;occ; 82; 0;32823
12; 1710.7; 10-JUN-2008 02:49:35; Bright; 38.5; 98; 13Zet Oph ; 2.57; 30000;occ; 77; 0;32823
13; 2030.4; 10-JUN-2008 02:54:54; Bright; 47.5; 126; 60Bet Oph ; 2.77; 4250;occ; 95; 0;32823
14; 2188.0; 10-JUN-2008 02:57:32; Bright; 47.0; 59; 55Alp Oph ; 2.08; 8900;occ; 94; 0;32823
15; 2286.8; 10-JUN-2008 02:59:11; Bright; 39.5; 127; 27Bet Her ; 2.78; 4700;occ; 79; 0;32823
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17; 2901.8; 10-JUN-2008 03:09:26; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;32823
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4;-1630.0; 10-JUN-2008 03:34:30; Dark ; 54.0; 53; 43Bet And ; 2.05; 3300;occ; 108; 0;32823
5;-1432.1; 10-JUN-2008 03:37:48; Dark ; 48.0; 50; 13Alp Ari ; 2.01; 4250;occ; 96; 0;32823
6; -659.2; 10-JUN-2008 03:50:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32823
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14; 1194.9; 10-JUN-2008 04:21:35; Dark ; 40.5; 25; 35Lam Sco ; 1.62; 28000;occ; 81; 0;32824
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16; 1605.2; 10-JUN-2008 04:28:25; Bright; 40.5; 86; 35Eta Oph ; 2.43; 10200;occ; 81; 0;32824
17; 1711.0; 10-JUN-2008 04:30:11; Bright; 37.5; 98; 13Zet Oph ; 2.57; 30000;occ; 75; 0;32824
18; 2030.0; 10-JUN-2008 04:35:30; Bright; 49.0; 126; 60Bet Oph ; 2.77; 4250;occ; 98; 0;32824
19; 2187.8; 10-JUN-2008 04:38:08; Bright; 46.0; 59; 55Alp Oph ; 2.08; 8900;occ; 92; 0;32824
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21; 2476.9; 10-JUN-2008 04:42:57; Bright; 39.0; 133; 40Zet Her ; 2.81; 6000;occ; 78; 0;32824
22; 2901.4; 10-JUN-2008 04:50:01; Bright; 41.0; 130; 23Bet Dra ; 2.80; 5800;occ; 82; 0;32824
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8; 68.6; 10-JUN-2008 05:43:25; Dark ; 36.0; 18; 24Alp PsA ; 1.17; 9700;occ; 72; 0;32825
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12; 1090.6; 10-JUN-2008 06:00:27; Dark ; 47.0; 40; The Sco ; 1.86; 7100;occ; 94; 0;32825
13; 1195.1; 10-JUN-2008 06:02:11; Dark ; 40.0; 25; 35Lam Sco ; 1.62; 28000;occ; 80; 0;32825
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15; 1605.3; 10-JUN-2008 06:09:01; Bright; 39.0; 86; 35Eta Oph ; 2.43; 10200;occ; 78; 0;32825
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21; 2900.9; 10-JUN-2008 06:30:37; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;32825
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2; 1198.0; 10-JUN-2008 21:07:37; Dark ; 43.5; 25; 35Lam Sco ; 1.62; 28000;occ; 87; 0;32834
3; 1297.5; 10-JUN-2008 21:09:17; Dark ; 56.5; 57; 34Sig Sgr ; 2.07; 26000;occ; 113; 0;32834
4; 1606.2; 10-JUN-2008 21:14:26; Bright; 40.5; 86; 35Eta Oph ; 2.43; 10200;occ; 81; 0;32834
5; 1711.7; 10-JUN-2008 21:16:11; Bright; 37.5; 98; 13Zet Oph ; 2.57; 30000;occ; 75; 0;32834

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7; 2183.2; 10-JUN-2008 21:24:03; Bright; 48.0; 59; 55Alp Oph ; 2.08; 8900;occ; 96; 0;32834  
8; 2285.1; 10-JUN-2008 21:25:45; Bright; 37.5; 127; 27Bet Her ; 2.78; 4700;occ; 75; 0;32834  
9; 2474.0; 10-JUN-2008 21:28:53; Bright; 39.0; 133; 40Zet Her ; 2.81; 6000;occ; 78; 0;32834  
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11; 3537.4; 10-JUN-2008 21:46:37; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;32834  
12; 3909.7; 10-JUN-2008 21:52:49; Bright; 55.0; 76; 27Gam Cas ; 2.30; 30000;occ; 110; 0;32834  
13; 4267.0; 10-JUN-2008 21:58:46; Bright; 41.0; 73; 57Gam1And ; 2.26; 13100;occ; 82; 0;32834  
14; 4406.8; 10-JUN-2008 22:01:06; Dark ; 53.0; 53; 43Bet And ; 2.05; 3300;occ; 106; 0;32834  
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4; 209.4; 10-JUN-2008 22:31:45; Dark ; 54.0; 63; Bet Gru ; 2.15; 2800;occ; 108; 0;32835  
5; 330.7; 10-JUN-2008 22:33:46; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;32835  
6; 421.8; 10-JUN-2008 22:35:17; Dark ; 57.5; 172; Gam Gru ; 3.00; 13100;occ; 115; 0;32835  
7; 585.2; 10-JUN-2008 22:38:01; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32835  
8; 1093.9; 10-JUN-2008 22:46:29; Dark ; 42.5; 40; The Sco ; 1.86; 7100;occ; 85; 0;32835  
9; 1198.2; 10-JUN-2008 22:48:14; Dark ; 45.5; 25; 35Lam Sco ; 1.62; 28000;occ; 91; 0;32835  
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19; 3909.6; 10-JUN-2008 23:33:25; Bright; 58.0; 76; 27Gam Cas ; 2.30; 30000;occ; 116; 0;32835  
20; 4267.0; 10-JUN-2008 23:39:22; Bright; 38.5; 73; 57Gam1And ; 2.26; 13100;occ; 77; 0;32835  
21; 4406.8; 10-JUN-2008 23:41:42; Dark ; 62.0; 53; 43Bet And ; 2.05; 3300;occ; 124; 0;32835  
22; 4606.4; 10-JUN-2008 23:45:02; Dark ; 49.0; 50; 13Alp Ari ; 2.01; 4250;occ; 98; 0;32835  
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5; 331.8; 11-JUN-2008 00:14:23; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;32836  
6; 423.1; 11-JUN-2008 00:15:54; Dark ; 56.0; 172; Gam Gru ; 3.00; 13100;occ; 112; 0;32836  
7; 585.8; 11-JUN-2008 00:18:37; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32836  
8; 1094.3; 11-JUN-2008 00:27:05; Dark ; 43.0; 40; The Sco ; 1.86; 7100;occ; 86; 0;32836  
9; 1198.5; 11-JUN-2008 00:28:50; Dark ; 43.0; 25; 35Lam Sco ; 1.62; 28000;occ; 86; 0;32836  
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19; 3909.4; 11-JUN-2008 01:14:01; Bright; 37.0; 76; 27Gam Cas ; 2.30; 30000;occ; 74; 0;32836  
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6; -544.1; 10-JUN-2008 07:13:48; Dark ; 48.5; 52; 16Bet Cet ; 2.04; 4500;occ; 97; 0;32825  
7; -156.1; 10-JUN-2008 07:20:16; Dark ; 45.5; 84; Alp Phe ; 2.40; 4500;occ; 91; 0;32825  
8; 70.1; 10-JUN-2008 07:24:02; Dark ; 36.0; 18; 24Alp PsA ; 1.17; 9700;occ; 72; 0;32826  
9; 200.9; 10-JUN-2008 07:26:13; Dark ; 63.5; 63; Bet Gru ; 2.15; 2800;occ; 127; 0;32826  
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14; 4403.5; 14-JUN-2008 08:10:24; Bright; 38.5; 173; 4Bet Tri ; 3.00; 8900;occ; 77; 0;32883
15; 4616.8; 14-JUN-2008 08:13:57; Dark ; 47.0; 50; 13Alp Ari ; 2.01; 4250;occ; 94; 0;32883
16; 4902.2; 14-JUN-2008 08:18:42; Dark ; 43.5; 94; 92Alp Cet ; 2.53; 3100;occ; 87; 0;32883
17; 5609.3; 14-JUN-2008 08:30:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32883
18; 5922.5; 14-JUN-2008 08:35:43; Dark ; 44.5; 84; Alp Phe ; 2.40; 4500;occ; 89; 0;32883
19; 6292.3; 14-JUN-2008 08:41:52; Dark ; 50.5; 63; Bet Gru ; 2.15; 2800;occ; 101; 0;32883
20; 6651.8; 14-JUN-2008 08:47:52; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;32883
21; 6959.8; 14-JUN-2008 08:53:00; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;32883
22; 7041.3; 14-JUN-2008 08:54:21; Dark ; 40.0; 147; Alp Ara ; 2.88; 26000;occ; 80; 0;32883
23; 7146.3; 14-JUN-2008 08:56:06; Dark ; 43.5; 40; The Sco ; 1.86; 7100;occ; 87; 0;32883
24; 7249.4; 14-JUN-2008 08:57:49; Dark ; 43.5; 25; 35Lam Sco ; 1.62; 28000;occ; 87; 0;32883
25; 7337.6; 14-JUN-2008 08:59:18; Dark ; 41.5; 75; 26Eps Sco ; 2.29; 4250;occ; 83; 0;32883
26; 7504.6; 14-JUN-2008 09:02:05; Bright; 36.0; 156; 20Sig Sco ; 2.90; 28000;occ; 72; 0;32883
27; 7647.9; 14-JUN-2008 09:04:28; Bright; 39.0; 86; 35Eta Oph ; 2.43; 10200;occ; 78; 0;32883
28; 7752.3; 14-JUN-2008 09:06:12; Bright; 35.5; 98; 13Zet Oph ; 2.57; 30000;occ; 71; 0;32883
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2; 2024.5; 14-JUN-2008 09:11:20; Bright; 35.5; 102; 24Alp Ser ; 2.60; 4250;occ; 71; 0;32884
3; 2278.7; 14-JUN-2008 09:15:35; Bright; 37.5; 127; 27Bet Her ; 2.78; 4700;occ; 75; 0;32884
4; 2367.1; 14-JUN-2008 09:17:03; Bright; 33.5; 67; 5Alp CrB ; 2.22; 11000;occ; 67; 0;32884

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6; 2874.7; 14-JUN-2008 09:25:31; Bright; 41.0; 130; 23Bet Dra ; 2.80; 5800;occ; 82; 0;32884  
7; 2963.7; 14-JUN-2008 09:27:00; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;32884  
8; 3168.7; 14-JUN-2008 09:30:25; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;32884  
9; 3446.7; 14-JUN-2008 09:35:03; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32884  
10; 3900.4; 14-JUN-2008 09:42:36; Bright; 57.0; 76; 27Gam Cas ; 2.30; 30000;occ; 114; 0;32884  
11; 4061.3; 14-JUN-2008 09:45:17; Bright; 33.5; 160; 23Gam Per ; 2.93; 4700;occ; 67; 0;32884  
12; 4269.3; 14-JUN-2008 09:48:45; Bright; 39.0; 73; 57Gam1And ; 2.26; 13100;occ; 78; 0;32884  
13; 4403.8; 14-JUN-2008 09:51:00; Bright; 37.0; 173; 4Bet Tri ; 3.00; 8900;occ; 74; 0;32884  
14; 4617.0; 14-JUN-2008 09:54:33; Dark ; 48.5; 50; 13Alp Ari ; 2.01; 4250;occ; 97; 0;32884  
15; 4902.4; 14-JUN-2008 09:59:18; Dark ; 43.5; 94; 92Alp Cet ; 2.53; 3100;occ; 87; 0;32884  
16; 5609.6; 14-JUN-2008 10:11:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32884  
17; 5923.3; 14-JUN-2008 10:16:19; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;32884  
18; 6293.3; 14-JUN-2008 10:22:29; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;32884  
19; 6652.4; 14-JUN-2008 10:28:28; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32884  
20; 6960.0; 14-JUN-2008 10:33:36; Dark ; 39.0; 141; Bet Ara ; 2.84; 4600;occ; 78; 0;32884  
21; 7041.6; 14-JUN-2008 10:34:58; Dark ; 38.5; 147; Alp Ara ; 2.88; 26000;occ; 77; 0;32884  
22; 7146.6; 14-JUN-2008 10:36:43; Dark ; 45.0; 40; The Sco ; 1.86; 7100;occ; 90; 0;32884  
23; 7249.7; 14-JUN-2008 10:38:26; Dark ; 43.0; 25; 35Lam Sco ; 1.62; 28000;occ; 86; 0;32884  
24; 7337.9; 14-JUN-2008 10:39:54; Dark ; 43.5; 75; 26Eps Sco ; 2.29; 4250;occ; 87; 0;32884  
25; 7504.7; 14-JUN-2008 10:42:41; Bright; 36.5; 156; 20Sig Sco ; 2.90; 28000;occ; 73; 0;32884  
26; 7647.8; 14-JUN-2008 10:45:04; Bright; 39.5; 86; 35Eta Oph ; 2.43; 10200;occ; 79; 0;32884  
27; 7752.5; 14-JUN-2008 10:46:48; Bright; 23.5; 98; 13Zet Oph ; 2.57; 30000;occ; 47; 0;32884

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3; 2024.7; 14-JUN-2008 10:51:57; Bright; 35.0; 102; 24Alp Ser ; 2.60; 4250;occ; 70; 0;32885  
4; 2278.6; 14-JUN-2008 10:56:10; Bright; 38.5; 127; 27Bet Her ; 2.78; 4700;occ; 77; 0;32885  
5; 2367.1; 14-JUN-2008 10:57:39; Bright; 35.5; 67; 5Alp CrB ; 2.22; 11000;occ; 71; 0;32885  
6; 2462.2; 14-JUN-2008 10:59:14; Bright; 39.0; 133; 40Zet Her ; 2.81; 6000;occ; 78; 0;32885  
7; 2874.4; 14-JUN-2008 11:06:06; Bright; 41.5; 130; 23Bet Dra ; 2.80; 5800;occ; 83; 0;32885  
8; 2963.5; 14-JUN-2008 11:07:35; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;32885  
9; 3168.8; 14-JUN-2008 11:11:01; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32885  
10; 3446.7; 14-JUN-2008 11:15:39; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32885  
11; 3900.2; 14-JUN-2008 11:23:12; Bright; 45.5; 76; 27Gam Cas ; 2.30; 30000;occ; 91; 0;32885  
12; 4061.3; 14-JUN-2008 11:25:53; Bright; 34.5; 160; 23Gam Per ; 2.93; 4700;occ; 69; 0;32885  
13; 4269.4; 14-JUN-2008 11:29:21; Bright; 56.0; 73; 57Gam1And ; 2.26; 13100;occ; 112; 0;32885  
14; 4403.8; 14-JUN-2008 11:31:36; Bright; 38.5; 173; 4Bet Tri ; 3.00; 8900;occ; 77; 0;32885  
15; 4617.1; 14-JUN-2008 11:35:09; Dark ; 46.0; 50; 13Alp Ari ; 2.01; 4250;occ; 92; 0;32885  
16; 4902.6; 14-JUN-2008 11:39:54; Dark ; 43.0; 94; 92Alp Cet ; 2.53; 3100;occ; 86; 0;32885  
17; 5609.9; 14-JUN-2008 11:51:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32885  
18; 5924.0; 14-JUN-2008 11:56:56; Dark ; 42.5; 84; Alp Phe ; 2.40; 4500;occ; 85; 0;32885  
19; 6294.2; 14-JUN-2008 12:03:06; Dark ; 49.5; 63; Bet Gru ; 2.15; 2800;occ; 99; 0;32885  
20; 6652.9; 14-JUN-2008 12:09:05; Dark ; 47.5; 45; Alp Pav ; 1.94; 26000;occ; 95; 0;32885  
21; 6960.2; 14-JUN-2008 12:14:12; Dark ; 38.5; 141; Bet Ara ; 2.84; 4600;occ; 77; 0;32885  
22; 7041.9; 14-JUN-2008 12:15:34; Dark ; 39.0; 147; Alp Ara ; 2.88; 26000;occ; 78; 0;32885  
23; 7146.9; 14-JUN-2008 12:17:19; Dark ; 43.0; 40; The Sco ; 1.86; 7100;occ; 86; 0;32885  
24; 7249.8; 14-JUN-2008 12:19:02; Dark ; 40.5; 25; 35Lam Sco ; 1.62; 28000;occ; 81; 0;32885  
25; 7338.1; 14-JUN-2008 12:20:30; Dark ; 41.0; 75; 26Eps Sco ; 2.29; 4250;occ; 82; 0;32885  
26; 7504.9; 14-JUN-2008 12:23:17; Bright; 37.0; 156; 20Sig Sco ; 2.90; 28000;occ; 74; 0;32885  
27; 7648.0; 14-JUN-2008 12:25:40; Bright; 35.0; 86; 35Eta Oph ; 2.43; 10200;occ; 70; 0;32885

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3; 1842.7; 14-JUN-2008 12:29:30; Bright; 36.0; 120; 1Del Oph ; 2.73; 3200;occ; 72; 0;32886  
4; 2024.8; 14-JUN-2008 12:32:33; Bright; 35.0; 102; 24Alp Ser ; 2.60; 4250;occ; 70; 0;32886  
5; 2278.4; 14-JUN-2008 12:36:46; Bright; 36.0; 127; 27Bet Her ; 2.78; 4700;occ; 72; 0;32886  
6; 2367.3; 14-JUN-2008 12:38:15; Bright; 35.5; 67; 5Alp CrB ; 2.22; 11000;occ; 71; 0;32886  
7; 2462.0; 14-JUN-2008 12:39:50; Bright; 55.0; 133; 40Zet Her ; 2.81; 6000;occ; 110; 0;32886  
8; 2873.9; 14-JUN-2008 12:46:42; Bright; 40.5; 130; 23Bet Dra ; 2.80; 5800;occ; 81; 0;32886  
9; 2963.3; 14-JUN-2008 12:48:11; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;32886  
10; 3168.8; 14-JUN-2008 12:51:37; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32886  
11; 3446.7; 14-JUN-2008 12:56:14; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;32886  
12; 3900.0; 14-JUN-2008 13:03:48; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;32886  
13; 4061.4; 14-JUN-2008 13:06:29; Bright; 34.0; 160; 23Gam Per ; 2.93; 4700;occ; 68; 0;32886  
14; 4269.3; 14-JUN-2008 13:09:57; Bright; 38.0; 73; 57Gam1And ; 2.26; 13100;occ; 76; 0;32886  
15; 4404.1; 14-JUN-2008 13:12:12; Bright; 39.5; 173; 4Bet Tri ; 3.00; 8900;occ; 79; 0;32886  
16; 4617.4; 14-JUN-2008 13:15:45; Dark ; 47.5; 50; 13Alp Ari ; 2.01; 4250;occ; 95; 0;32886



17; 4903.0; 14-JUN-2008 13:20:31; Dark ; 44.5; 94; 92Alp Cet ; 2.53; 3100;occ; 89; 0;32886  
 18; 5610.3; 14-JUN-2008 13:32:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32886  
 19; 5924.8; 14-JUN-2008 13:37:33; Dark ; 48.0; 84; Alp Phe ; 2.40; 4500;occ; 96; 0;32886  
 20; 6295.2; 14-JUN-2008 13:43:43; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;32886  
 21; 6653.6; 14-JUN-2008 13:49:41; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32886  
 22; 6960.5; 14-JUN-2008 13:54:48; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;32886  
 23; 7042.2; 14-JUN-2008 13:56:10; Dark ; 37.5; 147; Alp Ara ; 2.88; 26000;occ; 75; 0;32886  
 24; 7147.3; 14-JUN-2008 13:57:55; Dark ; 42.0; 40; The Sco ; 1.86; 7100;occ; 84; 0;32886  
 25; 7250.3; 14-JUN-2008 13:59:38; Dark ; 42.5; 25; 35Lam Sco ; 1.62; 28000;occ; 85; 0;32886  
 26; 7338.3; 14-JUN-2008 14:01:06; Dark ; 42.0; 75; 26Eps Sco ; 2.29; 4250;occ; 84; 0;32886  
 27; 7505.0; 14-JUN-2008 14:03:53; Bright; 36.5; 156; 20Sig Sco ; 2.90; 28000;occ; 73; 0;32886

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 3; 1842.8; 14-JUN-2008 14:10:06; Bright; 36.0; 120; 1Del Oph ; 2.73; 3200;occ; 72; 0;32887  
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 5; 2278.4; 14-JUN-2008 14:17:22; Bright; 54.0; 127; 27Bet Her ; 2.78; 4700;occ; 108; 0;32887  
 6; 2367.6; 14-JUN-2008 14:18:51; Bright; 35.5; 67; 5Alp CrB ; 2.22; 11000;occ; 71; 0;32887  
 7; 2461.8; 14-JUN-2008 14:20:25; Bright; 36.0; 133; 40Zet Her ; 2.81; 6000;occ; 72; 0;32887  
 8; 2873.6; 14-JUN-2008 14:27:17; Bright; 42.5; 130; 23Bet Dra ; 2.80; 5800;occ; 85; 0;32887  
 9; 2963.4; 14-JUN-2008 14:28:47; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;32887  
 10; 3169.0; 14-JUN-2008 14:32:13; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;32887  
 11; 3446.8; 14-JUN-2008 14:36:50; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;32887  
 12; 3899.7; 14-JUN-2008 14:44:23; Bright; 59.0; 76; 27Gam Cas ; 2.30; 30000;occ; 118; 0;32887  
 13; 4061.6; 14-JUN-2008 14:47:05; Bright; 52.0; 160; 23Gam Per ; 2.93; 4700;occ; 104; 0;32887  
 14; 4269.5; 14-JUN-2008 14:50:33; Bright; 56.0; 73; 57Gam1And ; 2.26; 13100;occ; 112; 0;32887  
 15; 4404.2; 14-JUN-2008 14:52:48; Bright; 38.0; 173; 4Bet Tri ; 3.00; 8900;occ; 76; 0;32887  
 16; 4617.8; 14-JUN-2008 14:56:21; Dark ; 48.0; 50; 13Alp Ari ; 2.01; 4250;occ; 96; 0;32887  
 17; 4903.4; 14-JUN-2008 15:01:07; Dark ; 44.0; 94; 92Alp Cet ; 2.53; 3100;occ; 88; 0;32887  
 18; 5610.6; 14-JUN-2008 15:12:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32887  
 19; 5925.6; 14-JUN-2008 15:18:09; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;32887  
 20; 6296.2; 14-JUN-2008 15:24:20; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;32887  
 21; 6654.3; 14-JUN-2008 15:30:18; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32887  
 22; 6960.9; 14-JUN-2008 15:35:25; Dark ; 38.0; 141; Bet Ara ; 2.84; 4600;occ; 76; 0;32887  
 23; 7042.5; 14-JUN-2008 15:36:46; Dark ; 38.0; 147; Alp Ara ; 2.88; 26000;occ; 76; 0;32887  
 24; 7147.6; 14-JUN-2008 15:38:31; Dark ; 45.0; 40; The Sco ; 1.86; 7100;occ; 90; 0;32887  
 25; 7250.7; 14-JUN-2008 15:40:14; Dark ; 45.0; 25; 35Lam Sco ; 1.62; 28000;occ; 90; 0;32887  
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 3; 1612.5; 14-JUN-2008 15:46:52; Bright; 38.5; 86; 35Eta Oph ; 2.43; 10200;occ; 77; 0;32888  
 4; 1716.9; 14-JUN-2008 15:48:36; Bright; 36.5; 98; 13Zet Oph ; 2.57; 30000;occ; 73; 0;32888  
 5; 1843.0; 14-JUN-2008 15:50:43; Bright; 36.5; 120; 1Del Oph ; 2.73; 3200;occ; 73; 0;32888  
 6; 2025.1; 14-JUN-2008 15:53:45; Bright; 34.5; 102; 24Alp Ser ; 2.60; 4250;occ; 69; 0;32888  
 7; 2278.3; 14-JUN-2008 15:57:58; Bright; 54.0; 127; 27Bet Her ; 2.78; 4700;occ; 108; 0;32888  
 8; 2367.5; 14-JUN-2008 15:59:27; Bright; 34.0; 67; 5Alp CrB ; 2.22; 11000;occ; 68; 0;32888  
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 10; 2873.2; 14-JUN-2008 16:07:53; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;32888  
 11; 2963.2; 14-JUN-2008 16:09:23; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;32888  
 12; 3169.1; 14-JUN-2008 16:12:49; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;32888  
 13; 3446.7; 14-JUN-2008 16:17:26; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32888  
 14; 3899.6; 14-JUN-2008 16:24:59; Bright; 38.0; 76; 27Gam Cas ; 2.30; 30000;occ; 76; 0;32888  
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 16; 4269.4; 14-JUN-2008 16:31:09; Bright; 39.5; 73; 57Gam1And ; 2.26; 13100;occ; 79; 0;32888  
 17; 4404.2; 14-JUN-2008 16:33:24; Bright; 38.0; 173; 4Bet Tri ; 3.00; 8900;occ; 76; 0;32888  
 18; 4618.0; 14-JUN-2008 16:36:58; Dark ; 47.5; 50; 13Alp Ari ; 2.01; 4250;occ; 95; 0;32888  
 19; 4903.6; 14-JUN-2008 16:41:43; Dark ; 45.0; 94; 92Alp Cet ; 2.53; 3100;occ; 90; 0;32888  
 20; 5611.0; 14-JUN-2008 16:53:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32888  
 21; 5926.4; 14-JUN-2008 16:58:46; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;32888  
 22; 6297.3; 14-JUN-2008 17:04:57; Dark ; 46.5; 63; Bet Gru ; 2.15; 2800;occ; 93; 0;32888  
 23; 6655.0; 14-JUN-2008 17:10:55; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32888  
 24; 6961.2; 14-JUN-2008 17:16:01; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;32888  
 25; 7043.0; 14-JUN-2008 17:17:23; Dark ; 37.0; 147; Alp Ara ; 2.88; 26000;occ; 74; 0;32888  
 26; 7147.9; 14-JUN-2008 17:19:08; Dark ; 44.5; 40; The Sco ; 1.86; 7100;occ; 89; 0;32888

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 2; 1112.6; 14-JUN-2008 20:40:20; Dark ; 44.0; 40; The Sco ; 1.86; 7100;occ; 88; 0;32891

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4; 1303.1; 14-JUN-2008 20:43:31; Dark ; 43.5; 75; 26Eps Sco ; 2.29; 4250;occ; 87; 0;32891
5; 1469.9; 14-JUN-2008 20:46:17; Bright; 37.0; 156; 20Sig Sco ; 2.90; 28000;occ; 74; 0;32891
6; 1612.7; 14-JUN-2008 20:48:40; Bright; 39.0; 86; 35Eta Oph ; 2.43; 10200;occ; 78; 0;32891
7; 1717.0; 14-JUN-2008 20:50:25; Bright; 37.0; 98; 13Zet Oph ; 2.57; 30000;occ; 74; 0;32891
8; 1843.2; 14-JUN-2008 20:52:31; Bright; 35.5; 120; 1Del Oph ; 2.73; 3200;occ; 71; 0;32891
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3; 265.0; 14-JUN-2008 23:47:24; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;32893
4; 621.4; 14-JUN-2008 23:53:21; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32893
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15; 1304.1; 15-JUN-2008 03:25:55; Dark ; 38.5; 75; 26Eps Sco ; 2.29; 4250;occ; 77; 0;32895
16; 1470.5; 15-JUN-2008 03:28:42; Bright; 35.5; 156; 20Sig Sco ; 2.90; 28000;occ; 71; 0;32895
17; 1613.3; 15-JUN-2008 03:31:04; Bright; 38.5; 86; 35Eta Oph ; 2.43; 10200;occ; 77; 0;32895
18; 1717.5; 15-JUN-2008 03:32:49; Bright; 36.5; 98; 13Zet Oph ; 2.57; 30000;occ; 73; 0;32895
19; 1843.5; 15-JUN-2008 03:34:55; Bright; 36.0; 120; 1Del Oph ; 2.73; 3200;occ; 72; 0;32895
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26; 3169.4; 15-JUN-2008 03:57:01; Bright; 31.5; 60; 7Bet UMi ; 2.08; 3950;occ; 63; 0;32895
27; 3446.7; 15-JUN-2008 04:01:38; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;32895
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12; 1009.0; 15-JUN-2008 05:01:36; Dark ; 37.0; 147; Alp Ara ; 2.88; 26000;occ; 74; 0;32896
13; 1114.2; 15-JUN-2008 05:03:21; Dark ; 42.0; 40; The Sco ; 1.86; 7100;occ; 84; 0;32896
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 23; 2460.3; 15-JUN-2008 05:25:47; Bright; 36.0; 133; 40Zet Her ; 2.81; 6000;occ; 72; 0;32896  
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 25; 2962.2; 15-JUN-2008 05:34:09; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;32896  
 26; 3169.5; 15-JUN-2008 05:37:37; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;32896  
 27; 3446.8; 15-JUN-2008 05:42:14; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;32896

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 9; 269.1; 15-JUN-2008 06:29:52; Dark ; 48.5; 63; Bet Gru ; 2.15; 2800;occ; 97; 0;32897  
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 11; 927.3; 15-JUN-2008 06:40:50; Dark ; 38.5; 141; Bet Ara ; 2.84; 4600;occ; 77; 0;32897  
 12; 1009.3; 15-JUN-2008 06:42:12; Dark ; 38.0; 147; Alp Ara ; 2.88; 26000;occ; 76; 0;32897  
 13; 1114.5; 15-JUN-2008 06:43:58; Dark ; 45.0; 40; The Sco ; 1.86; 7100;occ; 90; 0;32897  
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 15; 1304.6; 15-JUN-2008 06:47:08; Dark ; 44.5; 75; 26Eps Sco ; 2.29; 4250;occ; 89; 0;32897  
 16; 1471.0; 15-JUN-2008 06:49:54; Bright; 36.5; 156; 20Sig Sco ; 2.90; 28000;occ; 73; 0;32897  
 17; 1613.4; 15-JUN-2008 06:52:16; Bright; 39.0; 86; 35Eta Oph ; 2.43; 10200;occ; 78; 0;32897  
 18; 1717.8; 15-JUN-2008 06:54:01; Bright; 37.0; 98; 13Zet Oph ; 2.57; 30000;occ; 74; 0;32897  
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 21; 2277.5; 15-JUN-2008 07:03:21; Bright; 39.0; 127; 27Bet Her ; 2.78; 4700;occ; 78; 0;32897  
 22; 2368.3; 15-JUN-2008 07:04:51; Bright; 52.0; 67; 5Alp CrB ; 2.22; 11000;occ; 104; 0;32897  
 23; 2460.1; 15-JUN-2008 07:06:23; Bright; 36.0; 133; 40Zet Her ; 2.81; 6000;occ; 72; 0;32897  
 24; 2869.6; 15-JUN-2008 07:13:13; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;32897  
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 26; 3169.5; 15-JUN-2008 07:18:13; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;32897  
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 6; 1472.1; 15-JUN-2008 20:14:43; Bright; 36.5; 156; 20Sig Sco ; 2.90; 28000;occ; 73; 0;32905  
 7; 1614.4; 15-JUN-2008 20:17:05; Bright; 39.0; 86; 35Eta Oph ; 2.43; 10200;occ; 78; 0;32905  
 8; 1718.7; 15-JUN-2008 20:18:49; Bright; 37.0; 98; 13Zet Oph ; 2.57; 30000;occ; 74; 0;32905  
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 12; 2458.4; 15-JUN-2008 20:31:09; Bright; 38.0; 133; 40Zet Her ; 2.81; 6000;occ; 76; 0;32905  
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 14; 2961.1; 15-JUN-2008 20:39:32; Bright; 53.0; 119; 14Eta Dra ; 2.73; 4700;occ; 106; 0;32905  
 15; 3170.0; 15-JUN-2008 20:43:01; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;32905  
 16; 3446.7; 15-JUN-2008 20:47:37; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32905  
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 21; 4621.7; 15-JUN-2008 21:07:12; Dark ; 49.5; 50; 13Alp Ari ; 2.01; 4250;occ; 99; 0;32905  
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 3; 277.8; 15-JUN-2008 21:35:24; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;32906  
 4; 629.3; 15-JUN-2008 21:41:16; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32906  
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 13; 1844.6; 15-JUN-2008 22:01:31; Bright; 35.5; 120; 1Del Oph ; 2.73; 3200;occ; 71; 0;32906  
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 22; 4062.4; 15-JUN-2008 22:38:29; Bright; 33.5; 160; 23Gam Per ; 2.93; 4700;occ; 67; 0;32906  
 23; 4270.0; 15-JUN-2008 22:41:56; Bright; 57.0; 73; 57Gam1And ; 2.26; 13100;occ; 114; 0;32906  
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19;	4907.2;	15-JUN-2008	17:50:46;	Dark	;	49.5;	94;	92Alp	Cet	;	2.53;	3100;	occ;	99;	0;	32903
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23;	6664.1;	15-JUN-2008	18:20:03;	Dark	;	42.0;	45;	Alp	Pav	;	1.94;	26000;	occ;	84;	0;	32903
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25;	7047.3;	15-JUN-2008	18:26:26;	Dark	;	37.5;	147;	Alp	Ara	;	2.88;	26000;	occ;	75;	0;	32903
26;	7152.7;	15-JUN-2008	18:28:11;	Dark	;	7.0;	40;	The	Sco	;	1.86;	7100;	occ;	14;	0;	32903
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2;	1116.7;	15-JUN-2008	18:28:11;	Dark	;	45.0;	40;	The	Sco	;	1.86;	7100;	occ;	90;	0;	32904
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5;	1472.1;	15-JUN-2008	18:34:07;	Bright;	;	36.5;	156;	20Sig	Sco	;	2.90;	28000;	occ;	73;	0;	32904
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23;	5939.0;	15-JUN-2008	19:48:34;	Dark	;	49.0;	84;	Alp	Phe	;	2.40;	4500;	occ;	98;	0;	32904
24;	6312.8;	15-JUN-2008	19:54:47;	Dark	;	52.0;	63;	Bet	Gru	;	2.15;	2800;	occ;	104;	0;	32904
25;	6664.6;	15-JUN-2008	20:00:39;	Dark	;	42.0;	45;	Alp	Pav	;	1.94;	26000;	occ;	84;	0;	32904
26;	6965.5;	15-JUN-2008	20:05:40;	Dark	;	44.5;	141;	Bet	Ara	;	2.84;	4600;	occ;	89;	0;	32904
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7;	1117.8;	16-JUN-2008	01:10:36;	Dark	;	41.5;	40;	The	Sco	;	1.86;	7100;	occ;	83;	0;	32908
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12;	1718.8;	16-JUN-2008	01:20:37;	Bright;	;	37.0;	98;	13Zet	Oph	;	2.57;	30000;	occ;	74;	0;	32908
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22; 2457.5; 16-JUN-2008 06:34:44; Bright; 39.5; 133; 40Zet Her ; 2.81; 6000;occ; 79; 0;32911
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7; 2953.9; 21-JUN-2008 10:47:19; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;32985
8; 3176.1; 21-JUN-2008 10:51:01; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;32985
9; 3446.2; 21-JUN-2008 10:55:31; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32985
10; 3876.4; 21-JUN-2008 11:02:41; Bright; 40.5; 76; 27Gam Cas ; 2.30; 30000;occ; 81; 0;32985
11; 4065.0; 21-JUN-2008 11:05:50; Bright; 46.0; 160; 23Gam Per ; 2.93; 4700;occ; 92; 0;32985
12; 4271.0; 21-JUN-2008 11:09:16; Bright; 43.0; 73; 57Gam1And ; 2.26; 13100;occ; 86; 0;32985
13; 4413.9; 21-JUN-2008 11:11:39; Dark ; 43.5; 173; 4Bet Tri ; 3.00; 8900;occ; 87; 0;32985
14; 4641.1; 21-JUN-2008 11:15:26; Dark ; 49.5; 50; 13Alp Ari ; 2.01; 4250;occ; 99; 0;32985
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 23; 7277.5; 21-JUN-2008 13:39:58; Dark ; 41.5; 25; 35Lam Sco ; 1.62; 28000;occ; 83; 0;32986  
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 6; 2448.5; 21-JUN-2008 14:00:05; Bright; 37.0; 133; 40Zet Her ; 2.81; 6000;occ; 74; 0;32987  
 7; 2838.7; 21-JUN-2008 14:06:35; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;32987  
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 3; 1728.6; 21-JUN-2008 15:28:41; Bright; 36.0; 98; 13Zet Oph ; 2.57; 30000;occ; 72; 0;32988  
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 7; 2448.5; 21-JUN-2008 15:40:41; Bright; 36.5; 133; 40Zet Her ; 2.81; 6000;occ; 73; 0;32988  
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 23; 7176.8; 21-JUN-2008 16:59:29; Dark ; 42.0; 40; The Sco ; 1.86; 7100;occ; 84; 0;32988  
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 21; 6396.6; 21-JUN-2008 18:27:05; Dark ; 50.0; 63; Bet Gru ; 2.15; 2800;occ; 100; 0;32989  
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 13; 3176.6; 21-JUN-2008 19:14:01; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;32990  
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6; 1142.1; 22-JUN-2008 01:22:30; Dark ; 41.5; 40; The Sco ; 1.86; 7100;occ; 83; 0;32994
7; 1243.4; 22-JUN-2008 01:24:12; Dark ; 43.5; 25; 35Lam Sco ; 1.62; 28000;occ; 87; 0;32994
8; 1323.9; 22-JUN-2008 01:25:32; Dark ; 55.5; 116; 19Del Sgr ; 2.70; 4100;occ; 111; 0;32994
9; 1399.9; 22-JUN-2008 01:26:48; Bright; 43.0; 137; 22Lam Sgr ; 2.82; 4400;occ; 86; 0;32994
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13; 2135.9; 22-JUN-2008 01:39:04; Bright; 40.0; 59; 55Alp Oph ; 2.08; 8900;occ; 80; 0;32994
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17; 2953.4; 22-JUN-2008 01:52:41; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;32994
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 21; 4415.5; 22-JUN-2008 22:24:15; Dark ; 45.0; 173; 4Bet Tri ; 3.00; 8900;occ; 90; 0;33006  
 22; 4936.2; 22-JUN-2008 22:32:56; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;33006

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2;	-14.6;	22-JUN-2008	22:51:01;	Dark	;	48.0;	9;	Alp Eri	;	0.45;	24000;occ;	96;	0;33006
3;	377.3;	22-JUN-2008	22:57:33;	Dark	;	50.5;	63;	Bet Gru	;	2.15;	2800;occ;	101;	0;33007
4;	687.6;	22-JUN-2008	23:02:43;	Dark	;	40.5;	45;	Alp Pav	;	1.94;	26000;occ;	81;	0;33007
5;	1145.4;	22-JUN-2008	23:10:21;	Dark	;	40.5;	40;	The Sco	;	1.86;	7100;occ;	81;	0;33007
6;	1246.4;	22-JUN-2008	23:12:02;	Dark	;	43.5;	25;	35Lam Sco	;	1.62;	28000;occ;	87;	0;33007
7;	1327.5;	22-JUN-2008	23:13:23;	Dark	;	45.0;	116;	19Del Sgr	;	2.70;	4100;occ;	90;	0;33007
8;	1627.2;	22-JUN-2008	23:18:22;	Bright;		37.0;	86;	35Eta Oph	;	2.43;	10200;occ;	74;	0;33007
9;	1731.0;	22-JUN-2008	23:20:06;	Bright;		36.5;	98;	13Zet Oph	;	2.57;	30000;occ;	73;	0;33007
10;	1989.2;	22-JUN-2008	23:24:24;	Bright;		39.5;	126;	60Bet Oph	;	2.77;	4250;occ;	79;	0;33007
11;	2133.7;	22-JUN-2008	23:26:49;	Bright;		40.0;	59;	55Alp Oph	;	2.08;	8900;occ;	80;	0;33007
12;	2274.5;	22-JUN-2008	23:29:10;	Bright;		36.5;	127;	27Bet Her	;	2.78;	4700;occ;	73;	0;33007
13;	2447.2;	22-JUN-2008	23:32:02;	Bright;		35.5;	133;	40Zet Her	;	2.81;	6000;occ;	71;	0;33007
14;	2832.9;	22-JUN-2008	23:38:28;	Bright;		39.5;	130;	23Bet Dra	;	2.80;	5800;occ;	79;	0;33007
15;	2952.8;	22-JUN-2008	23:40:28;	Bright;		37.0;	119;	14Eta Dra	;	2.73;	4700;occ;	74;	0;33007
16;	3178.0;	22-JUN-2008	23:44:13;	Bright;		39.0;	60;	7Bet UMi	;	2.08;	3950;occ;	78;	0;33007
17;	3446.1;	22-JUN-2008	23:48:41;	Bright;		35.0;	49;	1Alp UMi	;	1.99;	6300;occ;	70;	0;33007
18;	3870.1;	22-JUN-2008	23:55:45;	Bright;		50.0;	76;	27Gam Cas	;	2.30;	30000;occ;	100;	0;33007
19;	4065.3;	22-JUN-2008	23:59:01;	Bright;		34.0;	160;	23Gam Per	;	2.93;	4700;occ;	68;	0;33007
20;	4270.8;	23-JUN-2008	00:02:26;	Bright;		43.5;	73;	57Gam1And	;	2.26;	13100;occ;	87;	0;33007
21;	4415.8;	23-JUN-2008	00:04:51;	Dark	;	44.0;	173;	4Bet Tri	;	3.00;	8900;occ;	88;	0;33007
22;	4936.5;	23-JUN-2008	00:13:32;	Dark	;	45.5;	94;	92Alp Cet	;	2.53;	3100;occ;	91;	0;33007
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5;	-1102.4;	22-JUN-2008	07:27:30;	Dark	;	37.0;	94;	92Alp Cet	;	2.53;	3100;occ;	74;	0;32997
6;	-625.3;	22-JUN-2008	07:35:27;	Dark	;	59.5;	0;	;	;	0.00;	0;occ;	119;	0;32997
7;	-18.3;	22-JUN-2008	07:45:34;	Dark	;	43.5;	9;	Alp Eri	;	0.45;	24000;occ;	87;	0;32997
8;	368.6;	22-JUN-2008	07:52:01;	Dark	;	49.0;	63;	Bet Gru	;	2.15;	2800;occ;	98;	0;32998
9;	682.7;	22-JUN-2008	07:57:15;	Dark	;	41.0;	45;	Alp Pav	;	1.94;	26000;occ;	82;	0;32998
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11;	1244.2;	22-JUN-2008	08:06:36;	Dark	;	42.5;	25;	35Lam Sco	;	1.62;	28000;occ;	85;	0;32998
12;	1325.1;	22-JUN-2008	08:07:57;	Dark	;	46.0;	116;	19Del Sgr	;	2.70;	4100;occ;	92;	0;32998
13;	1401.0;	22-JUN-2008	08:09:13;	Bright;		45.5;	137;	22Lam Sgr	;	2.82;	4400;occ;	91;	0;32998
14;	1626.1;	22-JUN-2008	08:12:58;	Bright;		37.0;	86;	35Eta Oph	;	2.43;	10200;occ;	74;	0;32998
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2;	1729.9;	22-JUN-2008	08:14:42;	Bright;		34.5;	98;	13Zet Oph	;	2.57;	30000;occ;	69;	0;32998
3;	1990.3;	22-JUN-2008	08:19:02;	Bright;		40.0;	126;	60Bet Oph	;	2.77;	4250;occ;	80;	0;32998
4;	2135.2;	22-JUN-2008	08:21:27;	Bright;		39.0;	59;	55Alp Oph	;	2.08;	8900;occ;	78;	0;32998
5;	2274.4;	22-JUN-2008	08:23:46;	Bright;		36.5;	127;	27Bet Her	;	2.78;	4700;occ;	73;	0;32998
6;	2447.8;	22-JUN-2008	08:26:40;	Bright;		36.0;	133;	40Zet Her	;	2.81;	6000;occ;	72;	0;32998
7;	2835.5;	22-JUN-2008	08:33:07;	Bright;		38.5;	130;	23Bet Dra	;	2.80;	5800;occ;	77;	0;32998
8;	2953.2;	22-JUN-2008	08:35:05;	Bright;		36.5;	119;	14Eta Dra	;	2.73;	4700;occ;	73;	0;32998
9;	3177.2;	22-JUN-2008	08:38:49;	Bright;		36.5;	60;	7Bet UMi	;	2.08;	3950;occ;	73;	0;32998
10;	3446.2;	22-JUN-2008	08:43:18;	Bright;		36.5;	49;	1Alp UMi	;	1.99;	6300;occ;	73;	0;32998
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13;	4270.9;	22-JUN-2008	08:57:03;	Bright;		44.5;	73;	57Gam1And	;	2.26;	13100;occ;	89;	0;32998
14;	4415.1;	22-JUN-2008	08:59:27;	Dark	;	44.0;	173;	4Bet Tri	;	3.00;	8900;occ;	88;	0;32998
15;	4933.8;	22-JUN-2008	09:08:06;	Dark	;	36.5;	94;	92Alp Cet	;	2.53;	3100;occ;	73;	0;32998
16;	5411.3;	22-JUN-2008	09:16:03;	Dark	;	59.5;	0;	;	;	0.00;	0;occ;	119;	0;32998
17;	6018.0;	22-JUN-2008	09:26:10;	Dark	;	49.0;	9;	Alp Eri	;	0.45;	24000;occ;	98;	0;32998
18;	6405.4;	22-JUN-2008	09:32:37;	Dark	;	54.0;	63;	Bet Gru	;	2.15;	2800;occ;	108;	0;32998
19;	6719.2;	22-JUN-2008	09:37:51;	Dark	;	43.0;	45;	Alp Pav	;	1.94;	26000;occ;	86;	0;32998
20;	7179.4;	22-JUN-2008	09:45:31;	Dark	;	41.0;	40;	The Sco	;	1.86;	7100;occ;	82;	0;32998
21;	7280.5;	22-JUN-2008	09:47:12;	Dark	;	43.0;	25;	35Lam Sco	;	1.62;	28000;occ;	86;	0;32998
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23;	7437.2;	22-JUN-2008	09:49:49;	Bright;		43.5;	137;	22Lam Sgr	;	2.82;	4400;occ;	87;	0;32998
24;	7662.0;	22-JUN-2008	09:53:34;	Bright;		38.5;	86;	35Eta Oph	;	2.43;	10200;occ;	77;	0;32998
25;	7765.8;	22-JUN-2008	09:55:18;	Bright;		35.0;	98;	13Zet Oph	;	2.57;	30000;occ;	70;	1;32998
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7; 2953.1; 22-JUN-2008 10:15:41; Bright; 36.0; 119; 14Eta Dra ; 2.73; 4700;occ; 72; 0;32999
8; 3177.2; 22-JUN-2008 10:19:25; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;32999
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11; 4065.2; 22-JUN-2008 10:34:13; Bright; 33.5; 160; 23Gam Per ; 2.93; 4700;occ; 67; 0;32999
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15; 5411.9; 22-JUN-2008 10:56:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32999
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18; 6719.7; 22-JUN-2008 11:18:28; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;32999
19; 7179.6; 22-JUN-2008 11:26:07; Dark ; 39.0; 40; The Sco ; 1.86; 7100;occ; 78; 0;32999
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21; 7361.5; 22-JUN-2008 11:29:09; Dark ; 52.0; 116; 19Del Sgr ; 2.70; 4100;occ; 104; 0;32999
22; 7437.3; 22-JUN-2008 11:30:25; Bright; 44.5; 137; 22Lam Sgr ; 2.82; 4400;occ; 89; 0;32999
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22; 7437.6; 22-JUN-2008 13:11:01; Bright; 45.0; 137; 22Lam Sgr ; 2.82; 4400;occ; 90; 0;33000
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22; 6411.4; 22-JUN-2008 19:36:19; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;33004
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8; -12.4; 23-JUN-2008 07:14:03; Dark ; 42.0; 9; Alp Eri ; 0.45; 24000;occ; 84; 0;33011  
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4; 2274.7; 23-JUN-2008 07:52:10; Bright; 34.0; 127; 27Bet Her ; 2.78; 4700;occ; 68; 0;33012  
5; 2447.1; 23-JUN-2008 07:55:02; Bright; 37.5; 133; 40Zet Her ; 2.81; 6000;occ; 75; 0;33012  
6; 2831.7; 23-JUN-2008 08:01:27; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;33012  
7; 2952.7; 23-JUN-2008 08:03:28; Bright; 35.5; 119; 14Eta Dra ; 2.73; 4700;occ; 71; 0;33012  
8; 3178.6; 23-JUN-2008 08:07:14; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;33012  
9; 3446.2; 23-JUN-2008 08:11:41; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;33012  
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13; 4416.4; 23-JUN-2008 08:27:51; Dark ; 43.5; 173; 4Bet Tri ; 3.00; 8900;occ; 87; 0;33012  
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4; 2274.8; 23-JUN-2008 09:32:46; Bright; 35.5; 127; 27Bet Her ; 2.78; 4700;occ; 71; 0;33013  
5; 2447.0; 23-JUN-2008 09:35:38; Bright; 36.5; 133; 40Zet Her ; 2.81; 6000;occ; 73; 0;33013  
6; 2831.5; 23-JUN-2008 09:42:02; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;33013  
7; 2952.6; 23-JUN-2008 09:44:03; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;33013  
8; 3178.8; 23-JUN-2008 09:47:50; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;33013  
9; 3446.2; 23-JUN-2008 09:52:17; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;33013  
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19; 6727.5; 23-JUN-2008 10:46:58; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;33013  
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5; 2274.8; 23-JUN-2008 11:13:21; Bright; 38.0; 127; 27Bet Her ; 2.78; 4700;occ; 76; 0;33014
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8; 2952.5; 23-JUN-2008 11:24:39; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;33014
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23; 7365.8; 23-JUN-2008 12:38:12; Dark ; 46.0; 116; 19Del Sgr ; 2.70; 4100;occ; 92; 0;33014
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22; 7284.6; 23-JUN-2008 14:17:27; Dark ; 40.0; 25; 35Lam Sco ; 1.62; 28000;occ; 80; 0;33015
23; 7366.0; 23-JUN-2008 14:18:49; Dark ; 43.5; 116; 19Del Sgr ; 2.70; 4100;occ; 87; 0;33015
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2; 1732.3; 23-JUN-2008 14:25:31; Bright; 35.5; 98; 13Zet Oph ; 2.57; 30000;occ; 71; 0;33016
3; 1988.4; 23-JUN-2008 14:29:47; Bright; 40.0; 126; 60Bet Oph ; 2.77; 4250;occ; 80; 0;33016
4; 2132.4; 23-JUN-2008 14:32:11; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;33016

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6; 2446.9; 23-JUN-2008 14:37:25; Bright; 37.0; 133; 40Zet Her ; 2.81; 6000;occ; 74; 0;33016  
7; 2830.7; 23-JUN-2008 14:43:49; Bright; 36.0; 130; 23Bet Dra ; 2.80; 5800;occ; 72; 0;33016  
8; 2952.6; 23-JUN-2008 14:45:51; Bright; 36.0; 119; 14Eta Dra ; 2.73; 4700;occ; 72; 0;33016  
9; 3179.1; 23-JUN-2008 14:49:38; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;33016  
10; 3446.3; 23-JUN-2008 14:54:05; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;33016  
11; 3867.8; 23-JUN-2008 15:01:06; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;33016  
12; 4065.4; 23-JUN-2008 15:04:24; Bright; 34.5; 160; 23Gam Per ; 2.93; 4700;occ; 69; 0;33016  
13; 4270.9; 23-JUN-2008 15:07:49; Bright; 43.0; 73; 57Gam1And ; 2.26; 13100;occ; 86; 0;33016  
14; 4649.4; 23-JUN-2008 15:14:08; Dark ; 57.5; 50; 13Alp Ari ; 2.01; 4250;occ; 115; 0;33016  
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16; 5423.3; 23-JUN-2008 15:27:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;33016  
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19; 6729.2; 23-JUN-2008 15:48:48; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;33016  
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21; 7285.0; 23-JUN-2008 15:58:03; Dark ; 39.0; 25; 35Lam Sco ; 1.62; 28000;occ; 78; 0;33016  
22; 7366.4; 23-JUN-2008 15:59:25; Dark ; 37.0; 116; 19Del Sgr ; 2.70; 4100;occ; 74; 0;33016

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4; 1988.2; 23-JUN-2008 16:10:23; Bright; 39.5; 126; 60Bet Oph ; 2.77; 4250;occ; 79; 0;33017  
5; 2132.2; 23-JUN-2008 16:12:47; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;33017  
6; 2274.9; 23-JUN-2008 16:15:09; Bright; 36.0; 127; 27Bet Her ; 2.78; 4700;occ; 72; 0;33017  
7; 2446.9; 23-JUN-2008 16:18:01; Bright; 37.0; 133; 40Zet Her ; 2.81; 6000;occ; 74; 0;33017  
8; 2830.4; 23-JUN-2008 16:24:25; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;33017  
9; 2952.5; 23-JUN-2008 16:26:27; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;33017  
10; 3179.2; 23-JUN-2008 16:30:14; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;33017  
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12; 3867.4; 23-JUN-2008 16:41:42; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;33017  
13; 4065.4; 23-JUN-2008 16:45:00; Bright; 33.5; 160; 23Gam Per ; 2.93; 4700;occ; 67; 0;33017  
14; 4270.9; 23-JUN-2008 16:48:25; Bright; 44.0; 73; 57Gam1And ; 2.26; 13100;occ; 88; 0;33017  
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16; 4940.1; 23-JUN-2008 16:59:34; Dark ; 45.5; 94; 92Alp Cet ; 2.53; 3100;occ; 91; 0;33017  
17; 5424.0; 23-JUN-2008 17:07:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;33017  
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19; 6424.3; 23-JUN-2008 17:24:19; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;33017  
20; 6729.8; 23-JUN-2008 17:29:24; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;33017  
21; 7184.4; 23-JUN-2008 17:36:59; Dark ; 39.0; 40; The Sco ; 1.86; 7100;occ; 78; 0;33017

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3; 1330.6; 23-JUN-2008 17:40:01; Dark ; 58.0; 116; 19Del Sgr ; 2.70; 4100;occ; 116; 0;33018  
4; 1628.7; 23-JUN-2008 17:44:59; Bright; 37.0; 86; 35Eta Oph ; 2.43; 10200;occ; 74; 0;33018  
5; 1732.6; 23-JUN-2008 17:46:43; Bright; 36.0; 98; 13Zet Oph ; 2.57; 30000;occ; 72; 0;33018  
6; 1988.1; 23-JUN-2008 17:50:59; Bright; 58.0; 126; 60Bet Oph ; 2.77; 4250;occ; 116; 0;33018  
7; 2132.0; 23-JUN-2008 17:53:22; Bright; 40.5; 59; 55Alp Oph ; 2.08; 8900;occ; 81; 0;33018  
8; 2274.9; 23-JUN-2008 17:55:45; Bright; 51.0; 127; 27Bet Her ; 2.78; 4700;occ; 102; 0;33018  
9; 2446.8; 23-JUN-2008 17:58:37; Bright; 37.5; 133; 40Zet Her ; 2.81; 6000;occ; 75; 0;33018  
10; 2830.2; 23-JUN-2008 18:05:01; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;33018  
11; 2952.4; 23-JUN-2008 18:07:03; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;33018  
12; 3179.2; 23-JUN-2008 18:10:50; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;33018  
13; 3446.1; 23-JUN-2008 18:15:17; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;33018  
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16; 4288.5; 23-JUN-2008 18:29:19; Bright; 35.5; 79; 26Bet Per ; 2.31; 13100;occ; 71; 0;33018  
17; 4649.9; 23-JUN-2008 18:35:20; Dark ; 48.5; 50; 13Alp Ari ; 2.01; 4250;occ; 97; 0;33018  
18; 4940.3; 23-JUN-2008 18:40:11; Dark ; 46.0; 94; 92Alp Cet ; 2.53; 3100;occ; 92; 0;33018  
19; 5424.7; 23-JUN-2008 18:48:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;33018  
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21; 6425.2; 23-JUN-2008 19:04:56; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;33018  
22; 6730.3; 23-JUN-2008 19:10:01; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;33018

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3; 1330.9; 23-JUN-2008 19:20:37; Dark ; 49.5; 116; 19Del Sgr ; 2.70; 4100;occ; 99; 0;33019  
4; 1628.9; 23-JUN-2008 19:25:35; Bright; 37.0; 86; 35Eta Oph ; 2.43; 10200;occ; 74; 0;33019

5; 1732.6; 23-JUN-2008 19:27:19; Bright; 35.5; 98; 13Zet Oph ; 2.57; 30000;occ; 71; 0;33019  
6; 1987.9; 23-JUN-2008 19:31:34; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;33019  
7; 2131.8; 23-JUN-2008 19:33:58; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;33019  
8; 2274.8; 23-JUN-2008 19:36:21; Bright; 38.0; 127; 27Bet Her ; 2.78; 4700;occ; 76; 0;33019  
9; 2446.8; 23-JUN-2008 19:39:13; Bright; 36.0; 133; 40Zet Her ; 2.81; 6000;occ; 72; 0;33019  
10; 2829.9; 23-JUN-2008 19:45:36; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;33019  
11; 2952.3; 23-JUN-2008 19:47:39; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;33019  
12; 3179.3; 23-JUN-2008 19:51:26; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;33019  
13; 3446.1; 23-JUN-2008 19:55:53; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;33019  
14; 3866.8; 23-JUN-2008 20:02:53; Bright; 38.0; 76; 27Gam Cas ; 2.30; 30000;occ; 76; 0;33019  
15; 4065.4; 23-JUN-2008 20:06:12; Bright; 54.0; 160; 23Gam Per ; 2.93; 4700;occ; 108; 0;33019  
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18; 4940.6; 23-JUN-2008 20:20:47; Dark ; 44.5; 94; 92Alp Cet ; 2.53; 3100;occ; 89; 0;33019  
19; 5425.3; 23-JUN-2008 20:28:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;33019  
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21; 6426.1; 23-JUN-2008 20:45:33; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;33019  
22; 6730.6; 23-JUN-2008 20:50:37; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;33019

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4; 696.4; 24-JUN-2008 01:52:26; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;33023  
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9; 697.1; 24-JUN-2008 03:33:03; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;33024  
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14; 1733.4; 24-JUN-2008 03:50:19; Bright; 36.0; 98; 13Zet Oph ; 2.57; 30000;occ; 72; 0;33024  
15; 1987.6; 24-JUN-2008 03:54:33; Bright; 38.0; 126; 60Bet Oph ; 2.77; 4250;occ; 76; 0;33024  
16; 2131.1; 24-JUN-2008 03:56:57; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;33024  
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21; 3180.0; 24-JUN-2008 04:14:26; Bright; 32.5; 60; 7Bet UMi ; 2.08; 3950;occ; 65; 0;33024  
22; 3446.3; 24-JUN-2008 04:18:52; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;33024

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5; -1093.6; 24-JUN-2008 04:43:48; Dark ; 37.0; 94; 92Alp Cet ; 2.53; 3100;occ; 74; 0;33024  
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13; 1629.8; 24-JUN-2008 05:29:12; Bright; 37.0; 86; 35Eta Oph ; 2.43; 10200;occ; 74; 0;33025
14; 1741.9; 24-JUN-2008 05:31:04; Bright; 27.5; 98; 13Zet Oph ; 2.57; 30000;occ; 55; 0;33025
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21; 3180.1; 24-JUN-2008 05:55:02; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;33025
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 13; 4944.4; 24-JUN-2008 14:47:26; Dark ; 44.5; 94; 92Alp Cet ; 2.53; 3100;occ; 89; 0;33030  
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 17; 6438.2; 24-JUN-2008 16:52:56; Dark ; 47.0; 63; Bet Gru ; 2.15; 2800;occ; 94; 0;33031  
 18; 6737.4; 24-JUN-2008 16:57:55; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;33031  
 19; 7187.9; 24-JUN-2008 17:05:25; Dark ; 43.0; 40; The Sco ; 1.86; 7100;occ; 86; 0;33031

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1;	1655.4;	28-JUN-2008	11:46:09;	Bright;	37.0;	86;	35Eta	Oph	;	2.43;	10200;	occ;	74;	34;	33086	
2;	1742.9;	28-JUN-2008	11:47:36;	Bright;	35.0;	98;	13Zet	Oph	;	2.57;	30000;	occ;	70;	0;	33086	
3;	1983.2;	28-JUN-2008	11:51:37;	Bright;	38.5;	126;	60Bet	Oph	;	2.77;	4250;	occ;	77;	0;	33086	
4;	2124.1;	28-JUN-2008	11:53:58;	Bright;	36.0;	59;	55Alp	Oph	;	2.08;	8900;	occ;	72;	0;	33086	
5;	2279.9;	28-JUN-2008	11:56:33;	Bright;	35.0;	127;	27Bet	Her	;	2.78;	4700;	occ;	70;	0;	33086	
6;	2446.5;	28-JUN-2008	11:59:20;	Bright;	34.5;	133;	40Zet	Her	;	2.81;	6000;	occ;	69;	0;	33086	
7;	2814.7;	28-JUN-2008	12:05:28;	Bright;	37.5;	130;	23Bet	Dra	;	2.80;	5800;	occ;	75;	0;	33086	
8;	2951.7;	28-JUN-2008	12:07:45;	Bright;	37.0;	119;	14Eta	Dra	;	2.73;	4700;	occ;	74;	0;	33086	
9;	3187.4;	28-JUN-2008	12:11:41;	Bright;	34.5;	60;	7Bet	UMi	;	2.08;	3950;	occ;	69;	0;	33086	
10;	3445.8;	28-JUN-2008	12:15:59;	Bright;	33.0;	49;	1Alp	UMi	;	1.99;	6300;	occ;	66;	0;	33086	
11;	4064.1;	28-JUN-2008	12:26:18;	Bright;	45.5;	160;	23Gam	Per	;	2.93;	4700;	occ;	91;	0;	33086	
12;	4164.3;	28-JUN-2008	12:27:58;	Bright;	33.0;	175;	39Del	Per	;	3.01;	19400;	occ;	66;	0;	33086	
13;	4293.1;	28-JUN-2008	12:30:06;	Bright;	37.0;	79;	26Bet	Per	;	2.31;	13100;	occ;	74;	0;	33086	
14;	4964.7;	28-JUN-2008	12:41:18;	Dark	;	45.0;	94;	92Alp	Cet	;	2.53;	3100;	occ;	90;	0;	33086
15;	5193.1;	28-JUN-2008	12:45:07;	Dark	;	40.0;	165;	34Gam	Eri	;	2.95;	3200;	occ;	80;	0;	33086
16;	5698.2;	28-JUN-2008	12:53:32;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	33086
17;	6057.2;	28-JUN-2008	12:59:31;	Dark	;	50.0;	9;	Alp	Eri	;	0.45;	24000;	occ;	100;	0;	33086
18;	6345.1;	28-JUN-2008	13:04:19;	Dark	;	36.5;	135;	Bet	Hyi	;	2.82;	5800;	occ;	73;	0;	33086
19;	6500.9;	28-JUN-2008	13:06:54;	Dark	;	41.5;	148;	Alp	Tuc	;	2.88;	4100;	occ;	83;	0;	33086
20;	6766.1;	28-JUN-2008	13:11:20;	Dark	;	42.0;	45;	Alp	Pav	;	1.94;	26000;	occ;	84;	0;	33086
21;	7006.1;	28-JUN-2008	13:15:19;	Dark	;	38.0;	141;	Bet	Ara	;	2.84;	4600;	occ;	76;	0;	33086
22;	7092.9;	28-JUN-2008	13:16:46;	Dark	;	35.5;	147;	Alp	Ara	;	2.88;	26000;	occ;	71;	0;	33086
23;	7200.6;	28-JUN-2008	13:18:34;	Dark	;	41.0;	40;	The	Sco	;	1.86;	7100;	occ;	82;	0;	33086
24;	7300.6;	28-JUN-2008	13:20:14;	Dark	;	41.0;	25;	35Lam	Sco	;	1.62;	28000;	occ;	82;	0;	33086
25;	7384.4;	28-JUN-2008	13:21:38;	Dark	;	44.5;	116;	19Del	Sgr	;	2.70;	4100;	occ;	89;	0;	33086

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1;	1638.6;	28-JUN-2008	13:26:28;	Bright;	36.5;	86;	35Eta	Oph	;	2.43;	10200;	occ;	73;	0;	33087	
2;	1743.3;	28-JUN-2008	13:28:13;	Bright;	35.0;	98;	13Zet	Oph	;	2.57;	30000;	occ;	70;	0;	33087	
3;	1983.1;	28-JUN-2008	13:32:12;	Bright;	38.5;	126;	60Bet	Oph	;	2.77;	4250;	occ;	77;	0;	33087	
4;	2124.0;	28-JUN-2008	13:34:33;	Bright;	36.0;	59;	55Alp	Oph	;	2.08;	8900;	occ;	72;	0;	33087	
5;	2280.2;	28-JUN-2008	13:37:09;	Bright;	34.0;	127;	27Bet	Her	;	2.78;	4700;	occ;	68;	0;	33087	
6;	2446.7;	28-JUN-2008	13:39:56;	Bright;	36.0;	133;	40Zet	Her	;	2.81;	6000;	occ;	72;	0;	33087	
7;	2814.6;	28-JUN-2008	13:46:04;	Bright;	38.5;	130;	23Bet	Dra	;	2.80;	5800;	occ;	77;	0;	33087	
8;	2951.7;	28-JUN-2008	13:48:21;	Bright;	36.5;	119;	14Eta	Dra	;	2.73;	4700;	occ;	73;	0;	33087	
9;	3187.5;	28-JUN-2008	13:52:17;	Bright;	33.5;	60;	7Bet	UMi	;	2.08;	3950;	occ;	67;	0;	33087	
10;	3445.8;	28-JUN-2008	13:56:35;	Bright;	35.5;	49;	1Alp	UMi	;	1.99;	6300;	occ;	71;	0;	33087	
11;	4064.2;	28-JUN-2008	14:06:54;	Bright;	35.0;	160;	23Gam	Per	;	2.93;	4700;	occ;	70;	0;	33087	
12;	4164.3;	28-JUN-2008	14:08:34;	Bright;	33.5;	175;	39Del	Per	;	3.01;	19400;	occ;	67;	0;	33087	
13;	4293.3;	28-JUN-2008	14:10:43;	Bright;	38.0;	79;	26Bet	Per	;	2.31;	13100;	occ;	76;	0;	33087	
14;	4965.2;	28-JUN-2008	14:21:54;	Dark	;	47.5;	94;	92Alp	Cet	;	2.53;	3100;	occ;	95;	0;	33087
15;	5193.4;	28-JUN-2008	14:25:43;	Dark	;	41.5;	165;	34Gam	Eri	;	2.95;	3200;	occ;	83;	0;	33087
16;	5698.8;	28-JUN-2008	14:34:08;	Dark	;	59.5;	0;			;	0.00;	0;	occ;	119;	0;	33087
17;	6057.8;	28-JUN-2008	14:40:07;	Dark	;	47.5;	9;	Alp	Eri	;	0.45;	24000;	occ;	95;	0;	33087
18;	6345.3;	28-JUN-2008	14:44:55;	Dark	;	36.0;	135;	Bet	Hyi	;	2.82;	5800;	occ;	72;	0;	33087
19;	6501.6;	28-JUN-2008	14:47:31;	Dark	;	42.0;	148;	Alp	Tuc	;	2.88;	4100;	occ;	84;	0;	33087
20;	6766.7;	28-JUN-2008	14:51:56;	Dark	;	41.0;	45;	Alp	Pav	;	1.94;	26000;	occ;	82;	0;	33087
21;	7006.3;	28-JUN-2008	14:55:56;	Dark	;	40.5;	141;	Bet	Ara	;	2.84;	4600;	occ;	81;	0;	33087
22;	7093.2;	28-JUN-2008	14:57:23;	Dark	;	37.0;	147;	Alp	Ara	;	2.88;	26000;	occ;	74;	0;	33087
23;	7200.9;	28-JUN-2008	14:59:10;	Dark	;	42.5;	40;	The	Sco	;	1.86;	7100;	occ;	85;	0;	33087
24;	7300.9;	28-JUN-2008	15:00:50;	Dark	;	41.5;	25;	35Lam	Sco	;	1.62;	28000;	occ;	83;	0;	33087
25;	7384.7;	28-JUN-2008	15:02:14;	Dark	;	43.0;	116;	19Del	Sgr	;	2.70;	4100;	occ;	86;	0;	33087

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1;	1638.6;	28-JUN-2008	15:07:04;	Bright;	35.5;	86;	35Eta	Oph	;	2.43;	10200;	occ;	71;	0;	33088	
2;	1743.5;	28-JUN-2008	15:08:49;	Bright;	35.5;	98;	13Zet	Oph	;	2.57;	30000;	occ;	71;	0;	33088	
3;	1983.1;	28-JUN-2008	15:12:48;	Bright;	37.5;	126;	60Bet	Oph	;	2.77;	4250;	occ;	75;	0;	33088	
4;	2123.9;	28-JUN-2008	15:15:09;	Bright;	39.0;	59;	55Alp	Oph	;	2.08;	8900;	occ;	78;	0;	33088	
5;	2280.2;	28-JUN-2008	15:17:45;	Bright;	36.0;	127;	27Bet	Her	;	2.78;	4700;	occ;	72;	0;	33088	
6;	2446.7;	28-JUN-2008	15:20:32;	Bright;	37.5;	133;	40Zet	Her	;	2.81;	6000;	occ;	75;	0;	33088	
7;	2814.5;	28-JUN-2008	15:26:40;	Bright;	36.5;	130;	23Bet	Dra	;	2.80;	5800;	occ;	73;	0;	33088	
8;	2951.7;	28-JUN-2008	15:28:57;	Bright;	36.0;	119;	14Eta	Dra	;	2.73;	4700;	occ;	72;	0;	33088	
9;	3187.7;	28-JUN-2008	15:32:53;	Bright;	35.5;	60;	7Bet	UMi	;	2.08;	3950;	occ;	71;	0;	33088	
10;	3445.9;	28-JUN-2008	15:37:11;	Bright;	36.0;	49;	1Alp	UMi	;	1.99;	6300;	occ;	72;	0;	33088	
11;	4064.2;	28-JUN-2008	15:47:29;	Bright;	45.0;	160;	23Gam	Per	;	2.93;	4700;	occ;	90;	0;	33088	
12;	4164.5;	28-JUN-2008	15:49:10;	Bright;	36.0;	175;	39Del	Per	;	3.01;	19400;	occ;	72;	0;	33088	
13;	4293.3;	28-JUN-2008	15:51:19;	Bright;	35.5;	79;	26Bet	Per	;	2.31;	13100;	occ;	71;	0;	33088	
14;	4965.8;	28-JUN-2008	16:02:31;	Dark	;	47.5;	94;	92Alp	Cet	;	2.53;	3100;	occ;	95;	0;	33088
15;	5193.8;	28-JUN-2008	16:06:19;	Dark	;	38.0;	165;	34Gam	Eri	;	2.95;	3200;	occ;	76;	0;	33088

16; 5699.4; 28-JUN-2008 16:14:45; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;33088  
 17; 6058.3; 28-JUN-2008 16:20:43; Dark ; 38.5; 9; Alp Eri ; 0.45; 24000;occ; 77; 0;33088  
 18; 6345.6; 28-JUN-2008 16:25:31; Dark ; 36.5; 135; Bet Hyi ; 2.82; 5800;occ; 73; 0;33088  
 19; 6502.3; 28-JUN-2008 16:28:07; Dark ; 40.5; 148; Alp Tuc ; 2.88; 4100;occ; 81; 0;33088  
 20; 6767.3; 28-JUN-2008 16:32:33; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;33088  
 21; 7006.6; 28-JUN-2008 16:36:32; Dark ; 38.0; 141; Bet Ara ; 2.84; 4600;occ; 76; 0;33088  
 22; 7093.6; 28-JUN-2008 16:37:59; Dark ; 37.0; 147; Alp Ara ; 2.88; 26000;occ; 74; 0;33088  
 23; 7201.2; 28-JUN-2008 16:39:46; Dark ; 39.0; 40; The Sco ; 1.86; 7100;occ; 78; 0;33088

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1; 1265.2; 28-JUN-2008 16:41:26; Dark ; 43.0; 25; 35Lam Sco ; 1.62; 28000;occ; 86; 0;33089  
 2; 1349.0; 28-JUN-2008 16:42:50; Dark ; 49.0; 116; 19Del Sgr ; 2.70; 4100;occ; 98; 0;33089  
 3; 1638.7; 28-JUN-2008 16:47:40; Bright; 36.5; 86; 35Eta Oph ; 2.43; 10200;occ; 73; 0;33089  
 4; 1743.5; 28-JUN-2008 16:49:25; Bright; 35.5; 98; 13Zet Oph ; 2.57; 30000;occ; 71; 0;33089  
 5; 1983.1; 28-JUN-2008 16:53:24; Bright; 37.0; 126; 60Bet Oph ; 2.77; 4250;occ; 74; 0;33089  
 6; 2123.9; 28-JUN-2008 16:55:45; Bright; 37.0; 59; 55Alp Oph ; 2.08; 8900;occ; 74; 0;33089  
 7; 2280.4; 28-JUN-2008 16:58:22; Bright; 35.0; 127; 27Bet Her ; 2.78; 4700;occ; 70; 0;33089  
 8; 2446.7; 28-JUN-2008 17:01:08; Bright; 37.0; 133; 40Zet Her ; 2.81; 6000;occ; 74; 0;33089  
 9; 2814.2; 28-JUN-2008 17:07:15; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;33089  
 10; 2951.7; 28-JUN-2008 17:09:33; Bright; 34.0; 119; 14Eta Dra ; 2.73; 4700;occ; 68; 0;33089  
 11; 3187.8; 28-JUN-2008 17:13:29; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;33089  
 12; 3445.8; 28-JUN-2008 17:17:47; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;33089  
 13; 4064.2; 28-JUN-2008 17:28:05; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;33089  
 14; 4164.5; 28-JUN-2008 17:29:46; Bright; 33.5; 175; 39Del Per ; 3.01; 19400;occ; 67; 0;33089  
 15; 4293.4; 28-JUN-2008 17:31:55; Bright; 42.0; 79; 26Bet Per ; 2.31; 13100;occ; 84; 0;33089  
 16; 4966.1; 28-JUN-2008 17:43:07; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;33089  
 17; 5193.9; 28-JUN-2008 17:46:55; Dark ; 42.0; 165; 34Gam Eri ; 2.95; 3200;occ; 84; 0;33089  
 18; 5700.0; 28-JUN-2008 17:55:21; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;33089  
 19; 6058.8; 28-JUN-2008 18:01:20; Dark ; 43.5; 9; Alp Eri ; 0.45; 24000;occ; 87; 0;33089  
 20; 6345.8; 28-JUN-2008 18:06:07; Dark ; 37.0; 135; Bet Hyi ; 2.82; 5800;occ; 74; 0;33089  
 21; 6502.8; 28-JUN-2008 18:08:44; Dark ; 43.5; 148; Alp Tuc ; 2.88; 4100;occ; 87; 0;33089  
 22; 6767.7; 28-JUN-2008 18:13:09; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;33089  
 23; 7006.7; 28-JUN-2008 18:17:08; Dark ; 37.0; 141; Bet Ara ; 2.84; 4600;occ; 74; 0;33089  
 24; 7093.6; 28-JUN-2008 18:18:35; Dark ; 36.0; 147; Alp Ara ; 2.88; 26000;occ; 72; 0;33089

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1; 1057.5; 28-JUN-2008 18:18:35; Dark ; 36.5; 147; Alp Ara ; 2.88; 26000;occ; 73; 0;33090  
 2; 1165.3; 28-JUN-2008 18:20:23; Dark ; 45.0; 40; The Sco ; 1.86; 7100;occ; 90; 0;33090  
 3; 1265.2; 28-JUN-2008 18:22:02; Dark ; 40.0; 25; 35Lam Sco ; 1.62; 28000;occ; 80; 0;33090  
 4; 1349.2; 28-JUN-2008 18:23:26; Dark ; 49.0; 116; 19Del Sgr ; 2.70; 4100;occ; 98; 0;33090  
 5; 1638.9; 28-JUN-2008 18:28:16; Bright; 36.5; 86; 35Eta Oph ; 2.43; 10200;occ; 73; 0;33090  
 6; 1743.7; 28-JUN-2008 18:30:01; Bright; 36.0; 98; 13Zet Oph ; 2.57; 30000;occ; 72; 0;33090  
 7; 1983.1; 28-JUN-2008 18:34:00; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;33090  
 8; 2123.8; 28-JUN-2008 18:36:21; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;33090  
 9; 2280.4; 28-JUN-2008 18:38:58; Bright; 37.0; 127; 27Bet Her ; 2.78; 4700;occ; 74; 0;33090  
 10; 2446.7; 28-JUN-2008 18:41:44; Bright; 36.5; 133; 40Zet Her ; 2.81; 6000;occ; 73; 0;33090  
 11; 2813.9; 28-JUN-2008 18:47:51; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;33090  
 12; 2951.6; 28-JUN-2008 18:50:09; Bright; 36.0; 119; 14Eta Dra ; 2.73; 4700;occ; 72; 0;33090  
 13; 3187.9; 28-JUN-2008 18:54:05; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;33090  
 14; 3445.8; 28-JUN-2008 18:58:23; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;33090  
 15; 4064.0; 28-JUN-2008 19:08:41; Bright; 55.0; 160; 23Gam Per ; 2.93; 4700;occ; 110; 0;33090  
 16; 4164.4; 28-JUN-2008 19:10:22; Bright; 33.0; 175; 39Del Per ; 3.01; 19400;occ; 66; 0;33090  
 17; 4293.3; 28-JUN-2008 19:12:30; Bright; 41.0; 79; 26Bet Per ; 2.31; 13100;occ; 82; 0;33090  
 18; 4966.3; 28-JUN-2008 19:23:44; Dark ; 47.0; 94; 92Alp Cet ; 2.53; 3100;occ; 94; 0;33090  
 19; 5194.1; 28-JUN-2008 19:27:31; Dark ; 42.5; 165; 34Gam Eri ; 2.95; 3200;occ; 85; 0;33090  
 20; 5700.5; 28-JUN-2008 19:35:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;33090  
 21; 6059.1; 28-JUN-2008 19:41:56; Dark ; 48.0; 9; Alp Eri ; 0.45; 24000;occ; 96; 0;33090  
 22; 6345.9; 28-JUN-2008 19:46:43; Dark ; 37.0; 135; Bet Hyi ; 2.82; 5800;occ; 74; 0;33090  
 23; 6503.4; 28-JUN-2008 19:49:21; Dark ; 40.5; 148; Alp Tuc ; 2.88; 4100;occ; 81; 0;33090  
 24; 6768.2; 28-JUN-2008 19:53:45; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;33090  
 25; 7006.8; 28-JUN-2008 19:57:44; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;33090

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1; -333.8; 29-JUN-2008 00:37:47; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;33093  
 2; 24.6; 29-JUN-2008 00:43:45; Dark ; 43.0; 9; Alp Eri ; 0.45; 24000;occ; 86; 0;33094  
 3; 310.5; 29-JUN-2008 00:48:31; Dark ; 37.0; 135; Bet Hyi ; 2.82; 5800;occ; 74; 0;33094  
 4; 469.1; 29-JUN-2008 00:51:10; Dark ; 41.5; 148; Alp Tuc ; 2.88; 4100;occ; 83; 0;33094  
 5; 733.6; 29-JUN-2008 00:55:34; Dark ; 39.0; 45; Alp Pav ; 1.94; 26000;occ; 78; 0;33094  
 6; 971.2; 29-JUN-2008 00:59:32; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;33094  
 7; 1058.3; 29-JUN-2008 01:00:59; Dark ; 38.5; 147; Alp Ara ; 2.88; 26000;occ; 77; 0;33094  
 8; 1266.0; 29-JUN-2008 01:04:27; Dark ; 43.0; 25; 35Lam Sco ; 1.62; 28000;occ; 86; 0;33094

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9; 1349.9; 29-JUN-2008 01:05:51; Dark ; 56.0; 116; 19Del Sgr ; 2.70; 4100;occ; 112; 0;33094
10; 1639.4; 29-JUN-2008 01:10:40; Bright; 35.5; 86; 35Eta Oph ; 2.43; 10200;occ; 71; 0;33094
11; 1744.2; 29-JUN-2008 01:12:25; Bright; 34.0; 98; 13Zet Oph ; 2.57; 30000;occ; 68; 0;33094
12; 1982.7; 29-JUN-2008 01:16:24; Bright; 37.0; 126; 60Bet Oph ; 2.77; 4250;occ; 74; 0;33094
13; 2123.3; 29-JUN-2008 01:18:44; Bright; 36.0; 59; 55Alp Oph ; 2.08; 8900;occ; 72; 0;33094
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 24; 6349.2; 29-JUN-2008 20:55:45; Dark ; 36.0; 135; Bet Hyi ; 2.82; 5800;occ; 72; 0;33105  
 25; 6512.4; 29-JUN-2008 20:58:29; Dark ; 41.0; 148; Alp Tuc ; 2.88; 4100;occ; 82; 0;33105  
 26; 6775.6; 29-JUN-2008 21:02:52; Dark ; 39.0; 45; Alp Pav ; 1.94; 26000;occ; 78; 0;33105