

# GOMOS Daily Report 19-MAY-2010

## Level 0 and Level 1 products

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

Item	Value
Time of report generation	22MAY2010 04:51:17
Data source version	GOMOS/5.00L04
Start time of products	19MAY2010 00:02:37
Stop time of products	19MAY2010 23:56:30
Store outputs in DB	Yes
Nb of level 1b prods	137
Nb of prods with errors	1

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

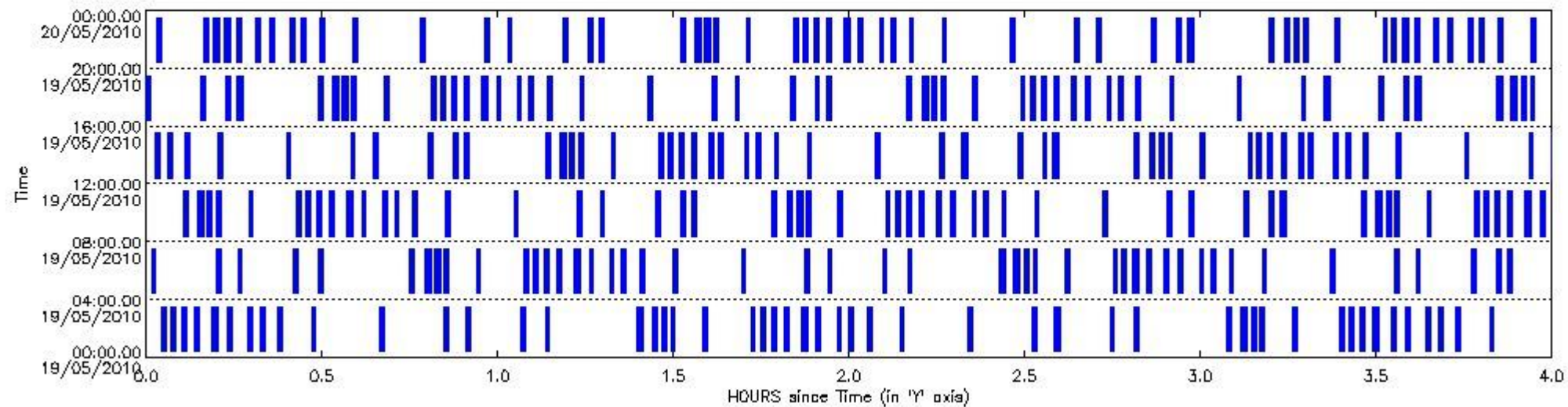
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 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_1PNPDE20100519_000237_000000432089_00317_42956_2427.N1	19-MAY-2010 00:02:37	Straylight	42.500	147	Alp Ara	2.8770	26000.	85	42956	No
2	GOM_TRA_1PNPDE20100519_000410_000000492089_00317_42956_2428.N1	19-MAY-2010 00:04:10	Straylight	48.500	40	The Sco	1.8590	7100.0	97	42956	No
3	GOM_TRA_1PNPDE20100519_000602_000000522089_00317_42956_2429.N1	19-MAY-2010 00:06:02	Straylight	51.500	25	35Lam Sco	1.6200	28000.	103	42956	No
4	GOM_TRA_1PNPDE20100519_000815_000000532089_00317_42956_2430.N1	19-MAY-2010 00:08:15	Twilight_and_stray	52.500	75	26Eps Sco	2.2910	4250.0	105	42956	No
5	GOM_TRA_1PNPDE20100519_001115_000000572089_00317_42956_2431.N1	19-MAY-2010 00:11:15	Twilight_and_stray	56.500	16	21Alp Sco	1.0200	3000.0	113	42956	No
6	GOM_TRA_1PNPDE20100519_001347_000000462089_00317_42956_2432.N1	19-MAY-2010 00:13:47	Bright	45.500	97	8Bet1Sco	2.5610	30000.	91	42956	No
7	GOM_TRA_1PNPDE20100519_001722_000000392089_00317_42956_2433.N1	19-MAY-2010 00:17:22	Bright	38.500	104	27Bet Lib	2.6140	13100.	77	42956	No
8	GOM_TRA_1PNPDE20100519_001922_000000472089_00317_42956_2434.N1	19-MAY-2010 00:19:22	Bright	47.000	120	1Del Oph	2.7340	3200.0	94	42956	No
9	GOM_TRA_1PNPDE20100519_002230_000000422089_00317_42956_2435.N1	19-MAY-2010 00:22:30	Bright	42.000	102	24Alp Ser	2.6000	4250.0	84	42956	No
10	GOM_TRA_1PNPDE20100519_002809_000000372089_00317_42956_2436.N1	19-MAY-2010 00:28:09	Bright	36.500	83		2.3780	11000.	73	42956	No
11	GOM_TRA_1PNPDE20100519_003946_000000452089_00317_42956_2437.N1	19-MAY-2010 00:39:46	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	42956	No
12	GOM_TRA_1PNPDE20100519_005043_000000452089_00317_42956_2438.N1	19-MAY-2010 00:50:43	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	42956	No

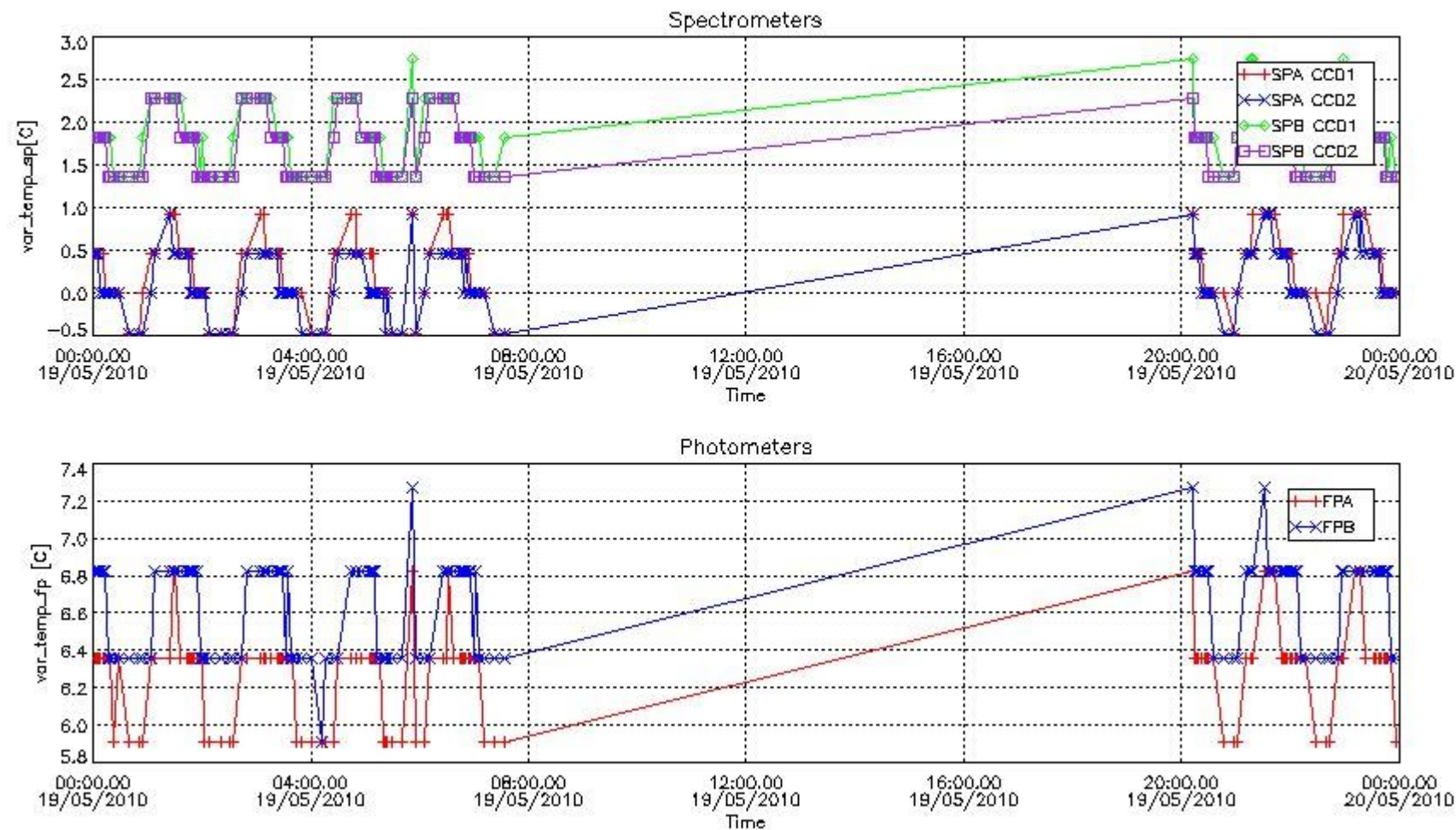
13	GOM_TRA_1PNPDE20100519_005431_000000552089_00317_42956_2439.N1	19-MAY-2010 00:54:31	Bright	55.000	74	11Bet Cas	2.2680	6600.0	110	42956	No
14	GOM_TRA_1PNPDE20100519_010354_000000482089_00317_42956_2440.N1	19-MAY-2010 01:03:54	Twilight	47.500	58	21Alp And	2.0730	11000.	95	42956	No
15	GOM_TRA_1PNPDE20100519_010809_000000422089_00317_42956_2441.N1	19-MAY-2010 01:08:09	Dark	42.000	140	88Gam Peg	2.8340	26000.	84	42956	No
16	GOM_TRA_1PNPDE20100519_012347_000000592089_00317_42956_2459.N1	19-MAY-2010 01:23:47	Dark	58.500	18	24Alp PsA	1.1660	9700.0	117	42956	No
17	GOM_TRA_1PNPDE20100519_012801_000000472089_00317_42956_2460.N1	19-MAY-2010 01:28:01	Dark	46.500	63	Bet Gru	2.1500	2800.0	93	42956	No
18	GOM_TRA_1PNPDE20100519_012934_000000432089_00318_42957_2461.N1	19-MAY-2010 01:29:34	Dark	42.500	31	Alp Gru	1.7340	15200.	85	42957	No
19	GOM_TRA_1PNPDE20100519_013504_000000452089_00318_42957_2462.N1	19-MAY-2010 01:35:04	Dark	44.500	45	Alp Pav	1.9400	26000.	89	42957	No
20	GOM_TRA_1PNPDE20100519_014313_000000442089_00318_42957_2463.N1	19-MAY-2010 01:43:13	Straylight	44.000	147	Alp Ara	2.8770	26000.	88	42957	No
21	GOM_TRA_1PNPDE20100519_014447_000000512089_00318_42957_2464.N1	19-MAY-2010 01:44:47	Straylight	50.500	40	The Sco	1.8590	7100.0	101	42957	No
22	GOM_TRA_1PNPDE20100519_014638_000000542089_00318_42957_2465.N1	19-MAY-2010 01:46:38	Straylight	53.500	25	35Lam Sco	1.6200	28000.	107	42957	No
23	GOM_TRA_1PNPDE20100519_014851_000000502089_00318_42957_2466.N1	19-MAY-2010 01:48:51	Twilight	49.500	75	26Eps Sco	2.2910	4250.0	99	42957	No
24	GOM_TRA_1PNPDE20100519_015152_000000622089_00318_42957_2467.N1	19-MAY-2010 01:51:52	Twilight	61.500	16	21Alp Sco	1.0200	3000.0	123	42957	No
25	GOM_TRA_1PNPDE20100519_015423_000000452089_00318_42957_2468.N1	19-MAY-2010 01:54:23	Bright	45.000	97	8Bet1Sco	2.5610	30000.	90	42957	No
26	GOM_TRA_1PNPDE20100519_015758_000000402089_00318_42957_2469.N1	19-MAY-2010 01:57:58	Bright	39.500	104	27Bet Lib	2.6140	13100.	79	42957	No
27	GOM_TRA_1PNPDE20100519_015958_000000472089_00318_42957_2470.N1	19-MAY-2010 01:59:58	Bright	47.000	120	1Del Oph	2.7340	3200.0	94	42957	No
28	GOM_TRA_1PNPDE20100519_020306_000000432089_00318_42957_2471.N1	19-MAY-2010 02:03:06	Bright	42.500	102	24Alp Ser	2.6000	4250.0	85	42957	No
29	GOM_TRA_1PNPDE20100519_020845_000000402089_00318_42957_2472.N1	19-MAY-2010 02:08:45	Bright	40.000	83		2.3780	11000.	80	42957	No
30	GOM_TRA_1PNPDE20100519_022022_000000412089_00318_42957_2473.N1	19-MAY-2010 02:20:22	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	42957	No
31	GOM_TRA_1PNPDE20100519_023118_000000462089_00318_42957_2474.N1	19-MAY-2010 02:31:18	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	42957	No
32	GOM_TRA_1PNPDE20100519_023507_000000552089_00318_42957_2475.N1	19-MAY-2010 02:35:07	Bright	55.000	74	11Bet Cas	2.2680	6600.0	110	42957	No
33	GOM_TRA_1PNPDE20100519_024430_000000462089_00318_42957_2476.N1	19-MAY-2010 02:44:30	Twilight	46.000	58	21Alp And	2.0730	11000.	92	42957	No
34	GOM_TRA_1PNPDE20100519_024846_000000452089_00318_42957_2477.N1	19-MAY-2010 02:48:46	Dark	45.000	140	88Gam Peg	2.8340	26000.	90	42957	No
35	GOM_TRA_1PNPDE20100519_030424_000000492089_00318_42957_2478.N1	19-MAY-2010 03:04:24	Dark	49.000	18	24Alp PsA	1.1660	9700.0	98	42957	No
36	GOM_TRA_1PNPDE20100519_030837_000000582089_00318_42957_2479.N1	19-MAY-2010 03:08:37	Dark	58.000	63	Bet Gru	2.1500	2800.0	116	42957	No
37	GOM_TRA_1PNPDE20100519_031011_000000422089_00319_42958_2480.N1	19-MAY-2010 03:10:11	Dark	42.000	31	Alp Gru	1.7340	15200.	84	42958	No
38	GOM_TRA_1PNPDE20100519_031541_000000422089_00319_42958_2481.N1	19-MAY-2010 03:15:41	Dark	42.000	45	Alp Pav	1.9400	26000.	84	42958	No
39	GOM_TRA_1PNPDE20100519_032349_000000442089_00319_42958_2482.N1	19-MAY-2010 03:23:49	Straylight	43.500	147	Alp Ara	2.8770	26000.	87	42958	No
40	GOM_TRA_1PNPDE20100519_032523_000000492089_00319_42958_2483.N1	19-MAY-2010 03:25:23	Straylight	48.500	40	The Sco	1.8590	7100.0	97	42958	No
41	GOM_TRA_1PNPDE20100519_032715_000000522089_00319_42958_2484.N1	19-MAY-2010 03:27:15	Straylight	51.500	25	35Lam Sco	1.6200	28000.	103	42958	No
42	GOM_TRA_1PNPDE20100519_032928_000000522089_00319_42958_2485.N1	19-MAY-2010 03:29:28	Twilight	51.500	75	26Eps Sco	2.2910	4250.0	103	42958	No
43	GOM_TRA_1PNPDE20100519_033228_000000632089_00319_42958_2486.N1	19-MAY-2010 03:32:28	Twilight	63.000	16	21Alp Sco	1.0200	3000.0	126	42958	No
44	GOM_TRA_1PNPDE20100519_033459_000000432089_00319_42958_2487.N1	19-MAY-2010 03:34:59	Bright	42.500	97	8Bet1Sco	2.5610	30000.	85	42958	No
45	GOM_TRA_1PNPDE20100519_033834_000000392089_00319_42958_2488.N1	19-MAY-2010 03:38:34	Bright	39.000	104	27Bet Lib	2.6140	13100.	78	42958	No
46	GOM_TRA_1PNPDE20100519_034034_000000472089_00319_42958_2489.N1	19-MAY-2010 03:40:34	Bright	47.000	120	1Del Oph	2.7340	3200.0	94	42958	No
47	GOM_TRA_1PNPDE20100519_034341_000000422089_00319_42958_2490.N1	19-MAY-2010 03:43:41	Bright	42.000	102	24Alp Ser	2.6000	4250.0	84	42958	No
48	GOM_TRA_1PNPDE20100519_034921_000000372089_00319_42958_2491.N1	19-MAY-2010 03:49:21	Bright	37.000	83		2.3780	11000.	74	42958	No
49	GOM_TRA_1PNPDE20100519_040058_000000382089_00319_42958_2496.N1	19-MAY-2010 04:00:58	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	42958	No
50	GOM_TRA_1PNPDE20100519_041154_000000472089_00319_42958_2497.N1	19-MAY-2010 04:11:54	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	42958	No
51	GOM_TRA_1PNPDE20100519_041543_000000392089_00319_42958_2498.N1	19-MAY-2010 04:15:43	Bright	38.500	74	11Bet Cas	2.2680	6600.0	77	42958	No
52	GOM_TRA_1PNPDE20100519_042506_000000472089_00319_42958_2499.N1	19-MAY-2010 04:25:06	Twilight	46.500	58	21Alp And	2.0730	11000.	93	42958	No
53	GOM_TRA_1PNPDE20100519_042922_000000452089_00319_42958_2500.N1	19-MAY-2010 04:29:22	Dark	45.000	140	88Gam Peg	2.8340	26000.	90	42958	No
54	GOM_TRA_1PNPDE20100519_044501_000000482089_00319_42958_2501.N1	19-MAY-2010 04:45:01	Dark	48.000	18	24Alp PsA	1.1660	9700.0	96	42958	No
55	GOM_TRA_1PNPDE20100519_044914_000000582089_00319_42958_2502.N1	19-MAY-2010 04:49:14	Dark	58.000	63	Bet Gru	2.1500	2800.0	116	42958	No
56	GOM_TRA_1PNPDE20100519_045047_000000472089_00320_42959_2503.N1	19-MAY-2010 04:50:47	Dark	46.500	31	Alp Gru	1.7340	15200.	93	42959	No
57	GOM_TRA_1PNPDE20100519_045618_000000432089_00320_42959_2504.N1	19-MAY-2010 04:56:18	Dark	42.500	45	Alp Pav	1.9400	26000.	85	42959	No
58	GOM_TRA_1PNPDE20100519_050426_000000432089_00320_42959_2505.N1	19-MAY-2010 05:04:26	Straylight	43.000	147	Alp Ara	2.8770	26000.	86	42959	No
59	GOM_TRA_1PNPDE20100519_050600_000000502089_00320_42959_2506.N1	19-MAY-2010 05:06:00	Straylight	50.000	40	The Sco	1.8590	7100.0	100	42959	No
60	GOM_TRA_1PNPDE20100519_050751_000000542089_00320_42959_2507.N1	19-MAY-2010 05:07:51	Straylight	54.000	25	35Lam Sco	1.6200	28000.	108	42959	No
61	GOM_TRA_1PNPDE20100519_051004_000000512089_00320_42959_2508.N1	19-MAY-2010 05:10:04	Twilight	50.500	75	26Eps Sco	2.2910	4250.0	101	42959	No
62	GOM_TRA_1PNPDE20100519_051304_000000592089_00320_42959_2509.N1	19-MAY-2010 05:13:04	Twilight	59.000	16	21Alp Sco	1.0200	3000.0	118	42959	No
63	GOM_TRA_1PNPDE20100519_051535_000000442089_00320_42959_2510.N1	19-MAY-2010 05:15:35	Bright	43.500	97	8Bet1Sco	2.5610	30000.	87	42959	No
64	GOM_TRA_1PNPDE20100519_051910_000000402089_00320_42959_2511.N1	19-MAY-2010 05:19:10	Bright	39.500	104	27Bet Lib	2.6140	13100.	79	42959	No
65	GOM_TRA_1PNPDE20100519_052109_000000482089_00320_42959_2512.N1	19-MAY-2010 05:21:09	Bright	48.000	120	1Del Oph	2.7340	3200.0	96	42959	No
66	GOM_TRA_1PNPDE20100519_052417_000000432089_00320_42959_2513.N1	19-MAY-2010 05:24:17	Bright	42.500	102	24Alp Ser	2.6000	4250.0	85	42959	No
67	GOM_TRA_1PNPDE20100519_052956_000000382089_00320_42959_2514.N1	19-MAY-2010 05:29:56	Bright	38.000	83		2.3780	11000.	76	42959	No
68	GOM_TRA_1PNPDE20100519_054133_000000422089_00320_42959_2515.N1	19-MAY-2010 05:41:33	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	42959	No
69	GOM_TRA_1PNPDE20100519_055229_000000462089_00320_42959_2529.N1	19-MAY-2010 05:52:29	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	42959	No
70	GOM_TRA_1PNPDE20100519_055619_000000372089_00320_42959_2530.N1	19-MAY-2010 05:56:19	Bright	37.000	74	11Bet Cas	2.2680	6600.0	74	42959	No
71	GOM_TRA_1PNPDE20100519_060542_000000452089_00320_42959_2531.N1	19-MAY-2010 06:05:42	Twilight	45.000	58	21Alp And	2.0730	11000.	90	42959	No



72	GOM_TRA_1PNPDE20100519_060958_000000442089_00320_42959_2532.N1	19-MAY-2010 06:09:58	Dark	44.000	140	88Gam Peg	2.8340	26000.	88	42959	No
73	GOM_TRA_1PNPDE20100519_062537_000000602089_00320_42959_2533.N1	19-MAY-2010 06:25:37	Dark	59.500	18	24Alp PsA	1.1660	9700.0	119	42959	No
74	GOM_TRA_1PNPDE20100519_062951_000000462089_00320_42959_2534.N1	19-MAY-2010 06:29:51	Dark	45.500	63	Bet Gru	2.1500	2800.0	91	42959	No
75	GOM_TRA_1PNPDE20100519_063124_000000452089_00321_42960_2535.N1	19-MAY-2010 06:31:24	Dark	45.000	31	Alp Gru	1.7340	15200.	90	42960	No
76	GOM_TRA_1PNPDE20100519_063654_000000432089_00321_42960_2536.N1	19-MAY-2010 06:36:54	Dark	42.500	45	Alp Pav	1.9400	26000.	85	42960	No
77	GOM_TRA_1PNPDE20100519_064503_000000432089_00321_42960_2537.N1	19-MAY-2010 06:45:03	Straylight	43.000	147	Alp Ara	2.8770	26000.	86	42960	No
78	GOM_TRA_1PNPDE20100519_064636_000000512089_00321_42960_2538.N1	19-MAY-2010 06:46:36	Straylight	50.500	40	The Sco	1.8590	7100.0	101	42960	No
79	GOM_TRA_1PNPDE20100519_064828_000000532089_00321_42960_2539.N1	19-MAY-2010 06:48:28	Straylight	52.500	25	35Lam Sco	1.6200	28000.	105	42960	No
80	GOM_TRA_1PNPDE20100519_065041_000000522089_00321_42960_2540.N1	19-MAY-2010 06:50:41	Tw_i_and_stray	52.000	75	26Eps Sco	2.2910	4250.0	104	42960	No
81	GOM_TRA_1PNPDE20100519_065340_000000552089_00321_42960_2541.N1	19-MAY-2010 06:53:40	Tw_i_and_stray	54.500	16	21Alp Sco	1.0200	3000.0	109	42960	No
82	GOM_TRA_1PNPDE20100519_065611_000000442089_00321_42960_2542.N1	19-MAY-2010 06:56:11	Bright	44.000	97	8Bet1Sco	2.5610	30000.	88	42960	No
83	GOM_TRA_1PNPDE20100519_065946_000000392089_00321_42960_2543.N1	19-MAY-2010 06:59:46	Bright	39.000	104	27Bet Lib	2.6140	13100.	78	42960	No
84	GOM_TRA_1PNPDE20100519_070145_000000472089_00321_42960_2544.N1	19-MAY-2010 07:01:45	Bright	47.000	120	1Del Oph	2.7340	3200.0	94	42960	No
85	GOM_TRA_1PNPDE20100519_070453_000000452089_00321_42960_2545.N1	19-MAY-2010 07:04:53	Bright	44.500	102	24Alp Ser	2.6000	4250.0	89	42960	No
86	GOM_TRA_1PNPDE20100519_071032_000000422089_00321_42960_2546.N1	19-MAY-2010 07:10:32	Bright	41.500	83		2.3780	11000.	83	42960	No
87	GOM_TRA_1PNPDE20100519_072209_000000422089_00321_42960_2547.N1	19-MAY-2010 07:22:09	Bright	42.000	119	14Eta Dra	2.7270	4700.0	84	42960	No
88	GOM_TRA_1PNPDE20100519_073305_000000452089_00321_42960_2548.N1	19-MAY-2010 07:33:05	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	42960	No
89	GOM_TRA_1PNPDE20100519_201129_000000552089_00329_42968_2630.N1	19-MAY-2010 20:11:29	Straylight	54.500	40	The Sco	1.8590	7100.0	109	42968	Yes
90	GOM_TRA_1PNPDE20100519_201320_000000552089_00329_42968_2631.N1	19-MAY-2010 20:13:20	Straylight	54.500	25	35Lam Sco	1.6200	28000.	109	42968	No
91	GOM_TRA_1PNPDE20100519_201532_000000492089_00329_42968_2632.N1	19-MAY-2010 20:15:32	Tw_i_and_stray	49.000	75	26Eps Sco	2.2910	4250.0	98	42968	No
92	GOM_TRA_1PNPDE20100519_201830_000000632089_00329_42968_2633.N1	19-MAY-2010 20:18:30	Tw_i_and_stray	62.500	16	21Alp Sco	1.0200	3000.0	125	42968	No
93	GOM_TRA_1PNPDE20100519_202100_000000462089_00329_42968_2634.N1	19-MAY-2010 20:21:00	Bright	45.500	97	8Bet1Sco	2.5610	30000.	91	42968	No
94	GOM_TRA_1PNPDE20100519_202434_000000392089_00329_42968_2635.N1	19-MAY-2010 20:24:34	Bright	38.500	104	27Bet Lib	2.6140	13100.	77	42968	No
95	GOM_TRA_1PNPDE20100519_202631_000000482089_00329_42968_2636.N1	19-MAY-2010 20:26:31	Bright	48.000	120	1Del Oph	2.7340	3200.0	96	42968	No
96	GOM_TRA_1PNPDE20100519_202939_000000412089_00329_42968_2637.N1	19-MAY-2010 20:29:39	Bright	41.000	102	24Alp Ser	2.6000	4250.0	82	42968	No
97	GOM_TRA_1PNPDE20100519_203519_000000392089_00329_42968_2638.N1	19-MAY-2010 20:35:19	Bright	38.500	83		2.3780	11000.	77	42968	No
98	GOM_TRA_1PNPDE20100519_204652_000000432089_00329_42968_2639.N1	19-MAY-2010 20:46:52	Bright	42.500	119	14Eta Dra	2.7270	4700.0	85	42968	No
99	GOM_TRA_1PNPDE20100519_205748_000000462089_00329_42968_2640.N1	19-MAY-2010 20:57:48	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	42968	No
100	GOM_TRA_1PNPDE20100519_210142_000000362089_00329_42968_2641.N1	19-MAY-2010 21:01:42	Bright	36.000	74	11Bet Cas	2.2680	6600.0	72	42968	No
101	GOM_TRA_1PNPDE20100519_211107_000000462089_00329_42968_2642.N1	19-MAY-2010 21:11:07	Tw_i_and_stray	45.500	58	21Alp And	2.0730	11000.	91	42968	No
102	GOM_TRA_1PNPDE20100519_211524_000000462089_00329_42968_2643.N1	19-MAY-2010 21:15:24	Dark	45.500	140	88Gam Peg	2.8340	26000.	91	42968	No
103	GOM_TRA_1PNPDE20100519_211716_000000582089_00329_42968_2644.N1	19-MAY-2010 21:17:16	Dark	58.000	90	54Alp Peg	2.4870	11000.	116	42968	No
104	GOM_TRA_1PNPDE20100519_213109_000000522089_00329_42968_2647.N1	19-MAY-2010 21:31:09	Dark	52.000	18	24Alp PsA	1.1660	9700.0	104	42968	No
105	GOM_TRA_1PNPDE20100519_213520_000000582089_00329_42968_2648.N1	19-MAY-2010 21:35:20	Dark	57.500	63	Bet Gru	2.1500	2800.0	115	42968	No
106	GOM_TRA_1PNPDE20100519_213655_000000462089_00330_42969_2649.N1	19-MAY-2010 21:36:55	Dark	45.500	31	Alp Gru	1.7340	15200.	91	42969	No
107	GOM_TRA_1PNPDE20100519_214224_000000432089_00330_42969_2650.N1	19-MAY-2010 21:42:24	Dark	42.500	45	Alp Pav	1.9400	26000.	85	42969	No
108	GOM_TRA_1PNPDE20100519_215031_000000422089_00330_42969_2651.N1	19-MAY-2010 21:50:31	Straylight	41.500	147	Alp Ara	2.8770	26000.	83	42969	No
109	GOM_TRA_1PNPDE20100519_215205_000000532089_00330_42969_2652.N1	19-MAY-2010 21:52:05	Straylight	53.000	40	The Sco	1.8590	7100.0	106	42969	No
110	GOM_TRA_1PNPDE20100519_215357_000000542089_00330_42969_2653.N1	19-MAY-2010 21:53:57	Straylight	53.500	25	35Lam Sco	1.6200	28000.	107	42969	No
111	GOM_TRA_1PNPDE20100519_215608_000000502089_00330_42969_2654.N1	19-MAY-2010 21:56:08	Tw_i_and_stray	49.500	75	26Eps Sco	2.2910	4250.0	99	42969	No
112	GOM_TRA_1PNPDE20100519_215906_000000592089_00330_42969_2655.N1	19-MAY-2010 21:59:06	Tw_i_and_stray	58.500	16	21Alp Sco	1.0200	3000.0	117	42969	No
113	GOM_TRA_1PNPDE20100519_220136_000000442089_00330_42969_2656.N1	19-MAY-2010 22:01:36	Bright	43.500	97	8Bet1Sco	2.5610	30000.	87	42969	No
114	GOM_TRA_1PNPDE20100519_220510_000000382089_00330_42969_2657.N1	19-MAY-2010 22:05:10	Bright	37.500	104	27Bet Lib	2.6140	13100.	75	42969	No
115	GOM_TRA_1PNPDE20100519_220707_000000472089_00330_42969_2658.N1	19-MAY-2010 22:07:07	Bright	47.000	120	1Del Oph	2.7340	3200.0	94	42969	No
116	GOM_TRA_1PNPDE20100519_221014_000000422089_00330_42969_2659.N1	19-MAY-2010 22:10:14	Bright	41.500	102	24Alp Ser	2.6000	4250.0	83	42969	No
117	GOM_TRA_1PNPDE20100519_221554_000000392089_00330_42969_2660.N1	19-MAY-2010 22:15:54	Bright	39.000	83		2.3780	11000.	78	42969	No
118	GOM_TRA_1PNPDE20100519_222728_000000432089_00330_42969_2661.N1	19-MAY-2010 22:27:28	Bright	42.500	119	14Eta Dra	2.7270	4700.0	85	42969	No
119	GOM_TRA_1PNPDE20100519_223824_000000472089_00330_42969_2662.N1	19-MAY-2010 22:38:24	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	42969	No
120	GOM_TRA_1PNPDE20100519_224218_000000382089_00330_42969_2663.N1	19-MAY-2010 22:42:18	Bright	38.000	74	11Bet Cas	2.2680	6600.0	76	42969	No
121	GOM_TRA_1PNPDE20100519_225143_000000482089_00330_42969_2664.N1	19-MAY-2010 22:51:43	Tw_i_and_stray	47.500	58	21Alp And	2.0730	11000.	95	42969	No
122	GOM_TRA_1PNPDE20100519_225601_000000432089_00330_42969_2665.N1	19-MAY-2010 22:56:01	Dark	43.000	140	88Gam Peg	2.8340	26000.	86	42969	No
123	GOM_TRA_1PNPDE20100519_225753_000000602089_00330_42969_2666.N1	19-MAY-2010 22:57:53	Dark	60.000	90	54Alp Peg	2.4870	11000.	120	42969	No
124	GOM_TRA_1PNPDE20100519_231146_000000492089_00330_42969_2663.N1	19-MAY-2010 23:11:46	Dark	49.000	18	24Alp PsA	1.1660	9700.0	98	42969	No
125	GOM_TRA_1PNPDE20100519_231557_000000472089_00330_42969_2664.N1	19-MAY-2010 23:15:57	Dark	46.500	63	Bet Gru	2.1500	2800.0	93	42969	No
126	GOM_TRA_1PNPDE20100519_231732_000000462089_00331_42970_2665.N1	19-MAY-2010 23:17:32	Dark	45.500	31	Alp Gru	1.7340	15200.	91	42970	No
127	GOM_TRA_1PNPDE20100519_232301_000000422089_00331_42970_2666.N1	19-MAY-2010 23:23:01	Dark	41.500	45	Alp Pav	1.9400	26000.	83	42970	No
128	GOM_TRA_1PNPDE20100519_233107_000000432089_00331_42970_2667.N1	19-MAY-2010 23:31:07	Straylight	42.500	147	Alp Ara	2.8770	26000.	85	42970	No
129	GOM_TRA_1PNPDE20100519_233242_000000492089_00331_42970_2668.N1	19-MAY-2010 23:32:42	Straylight	49.000	40	The Sco	1.8590	7100.0	98	42970	No
130	GOM_TRA_1PNPDE20100519_233433_000000522089_00331_42970_2669.N1	19-MAY-2010 23:34:33	Straylight	52.000	25	35Lam Sco	1.6200	28000.	104	42970	No

131	GOM_TRA_1PNPDE20100519_233644_000000492089_00331_42970_2670.N1	19-MAY-2010 23:36:44	Twilight_stray	48.500	75	26Eps Sco	2.2910	4250.0	97	42970	No
132	GOM_TRA_1PNPDE20100519_233942_000000622089_00331_42970_2671.N1	19-MAY-2010 23:39:42	Twilight_stray	62.000	16	21Alp Sco	1.0200	3000.0	124	42970	No
133	GOM_TRA_1PNPDE20100519_234212_000000442089_00331_42970_2672.N1	19-MAY-2010 23:42:12	Bright	43.500	97	8Bet1Sco	2.5610	30000.	87	42970	No
134	GOM_TRA_1PNPDE20100519_234546_000000402089_00331_42970_2673.N1	19-MAY-2010 23:45:46	Bright	39.500	104	27Bet Lib	2.6140	13100.	79	42970	No
135	GOM_TRA_1PNPDE20100519_234743_000000482089_00331_42970_2674.N1	19-MAY-2010 23:47:43	Bright	47.500	120	1Del Oph	2.7340	3200.0	95	42970	No
136	GOM_TRA_1PNPDE20100519_235050_000000422089_00331_42970_2675.N1	19-MAY-2010 23:50:50	Bright	41.500	102	24Alp Ser	2.6000	4250.0	83	42970	No
137	GOM_TRA_1PNPDE20100519_235630_000000412089_00331_42970_2676.N1	19-MAY-2010 23:56:30	Bright	40.500	83		2.3780	11000.	81	42970	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-dependent signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount its value measured on ground at the same temperature) and the "Random Telegraphic Signal" (abrupt change positive or negative of the CCD pixel signal, random in time, affecting only the DC part of the signal and not the photon generated signal).

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

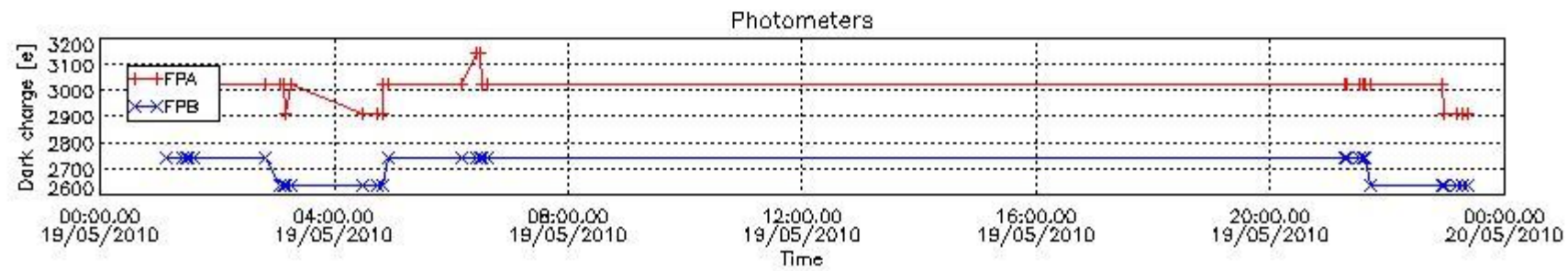
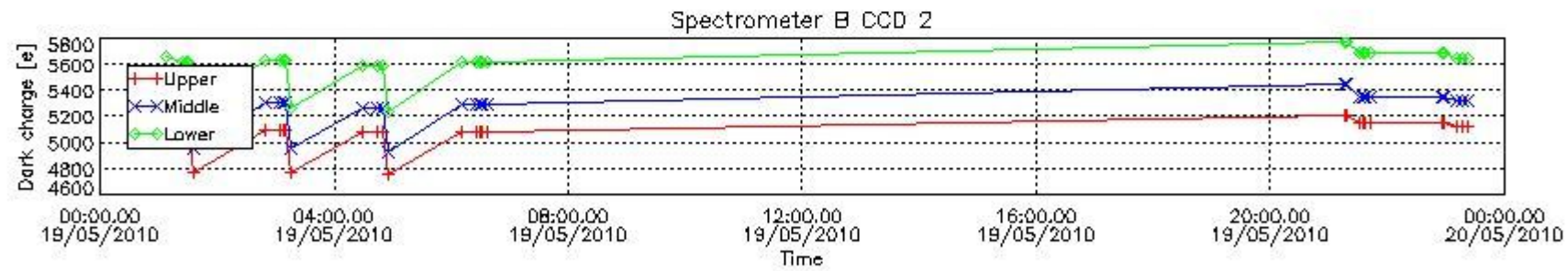
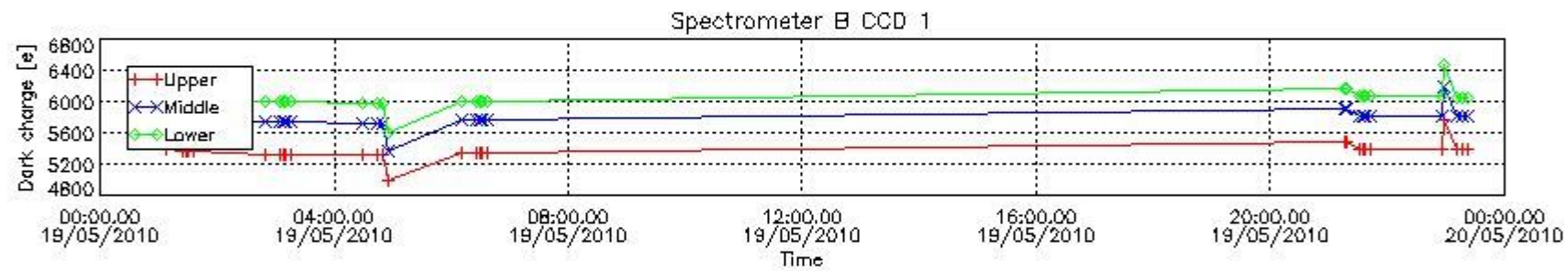
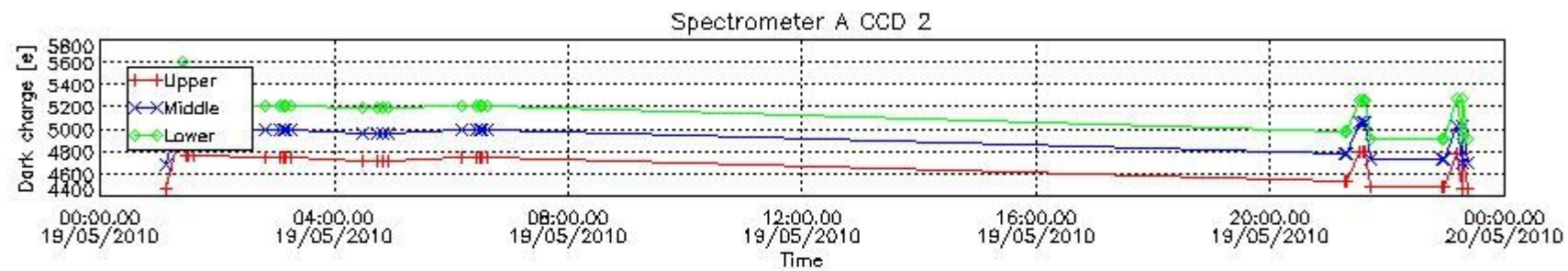
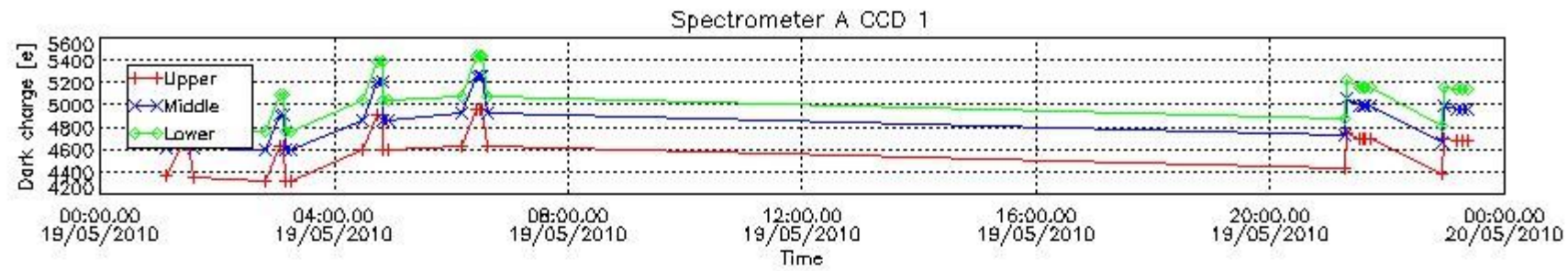
#### 4.1 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDE20100519_201129_000000552089_00329_42968_2630.N1	DC map with no T dep.
GOM_TRA_1PNPDE20100519_201320_000000552089_00329_42968_2631.N1	DC map used
GOM_TRA_1PNPDE20100519_201532_000000492089_00329_42968_2632.N1	DC map used

GOM_TRA_1PNPDE20100519_201830_000000632089_00329_42968_2633.N1	DC map used
GOM_TRA_1PNPDE20100519_202100_000000462089_00329_42968_2634.N1	DC map used
GOM_TRA_1PNPDE20100519_202434_000000392089_00329_42968_2635.N1	DC map used
GOM_TRA_1PNPDE20100519_202631_000000482089_00329_42968_2636.N1	DC map used
GOM_TRA_1PNPDE20100519_202939_000000412089_00329_42968_2637.N1	DC map used
GOM_TRA_1PNPDE20100519_203519_000000392089_00329_42968_2638.N1	DC map used
GOM_TRA_1PNPDE20100519_204652_000000432089_00329_42968_2639.N1	DC map used
GOM_TRA_1PNPDE20100519_205748_000000462089_00329_42968_2640.N1	DC map used
GOM_TRA_1PNPDE20100519_210142_000000362089_00329_42968_2641.N1	DC map used
GOM_TRA_1PNPDE20100519_211107_000000462089_00329_42968_2642.N1	DC map used
GOM_TRA_1PNPDE20100519_211524_000000462089_00329_42968_2643.N1	DC map used
GOM_TRA_1PNPDE20100519_211716_000000582089_00329_42968_2644.N1	DC map used

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





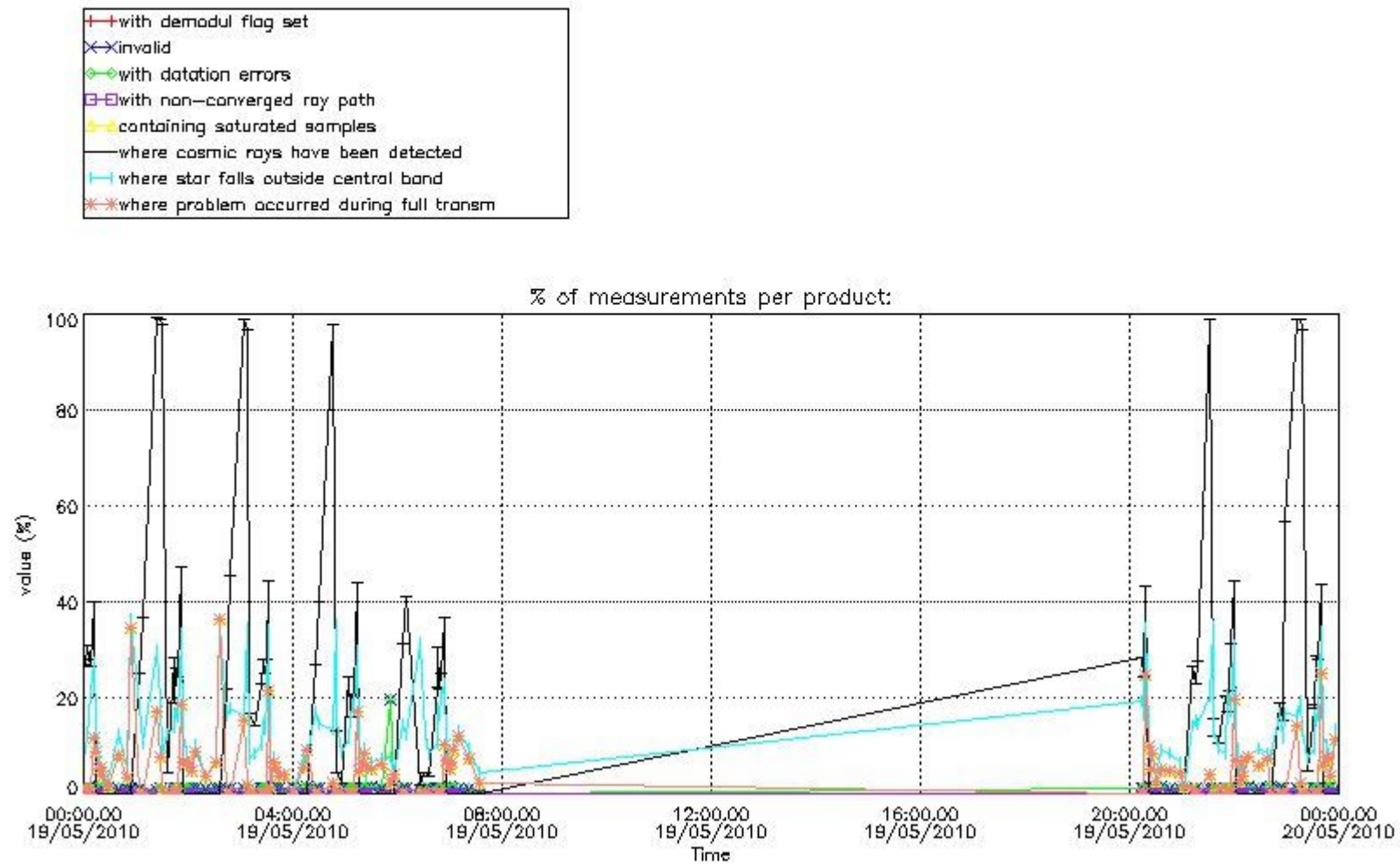
## 5. Demodulation flag and quality information monitoring

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

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

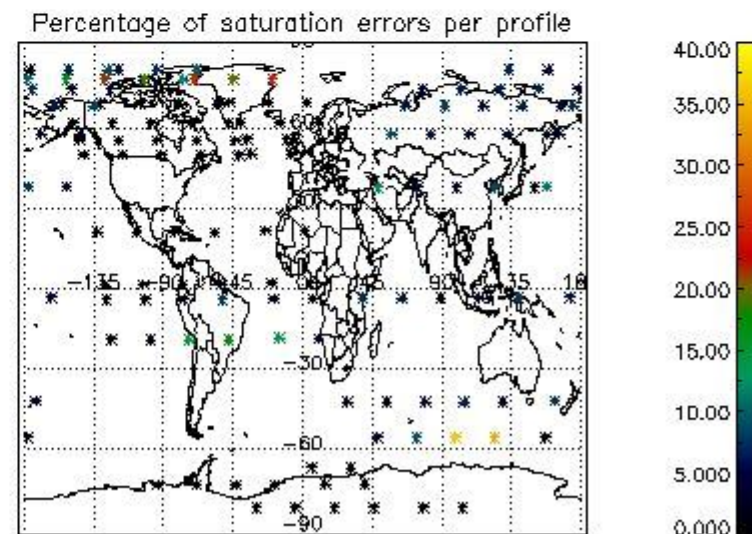
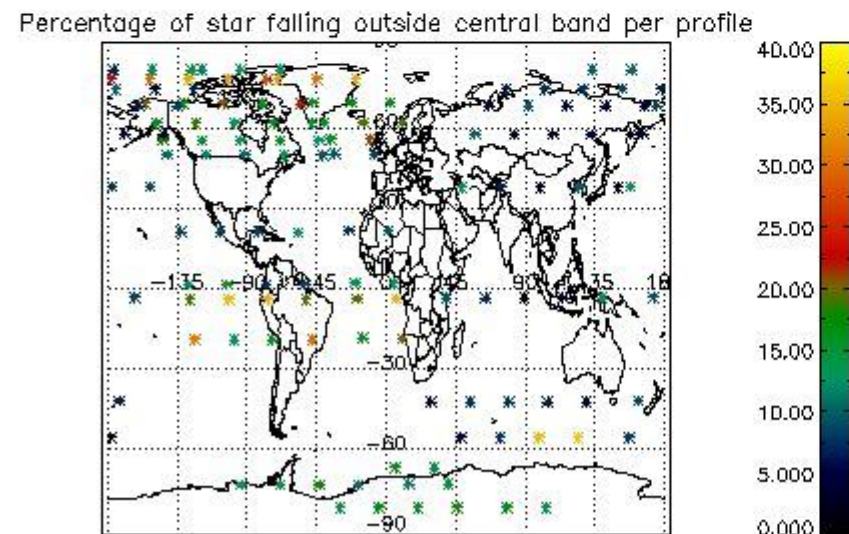
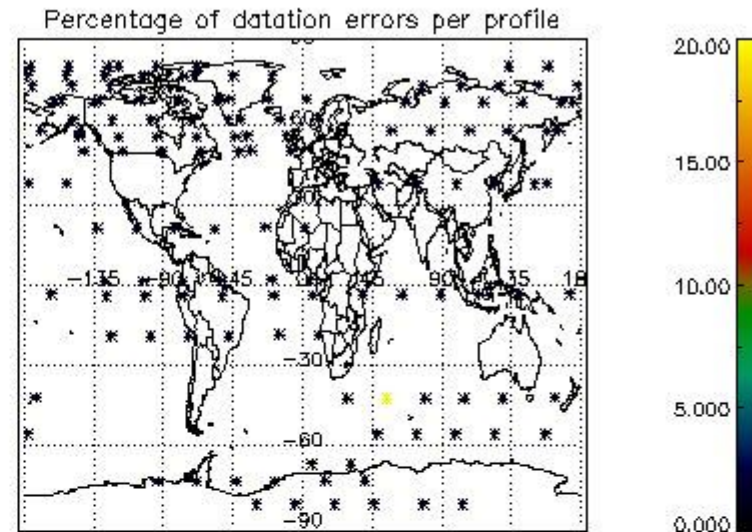
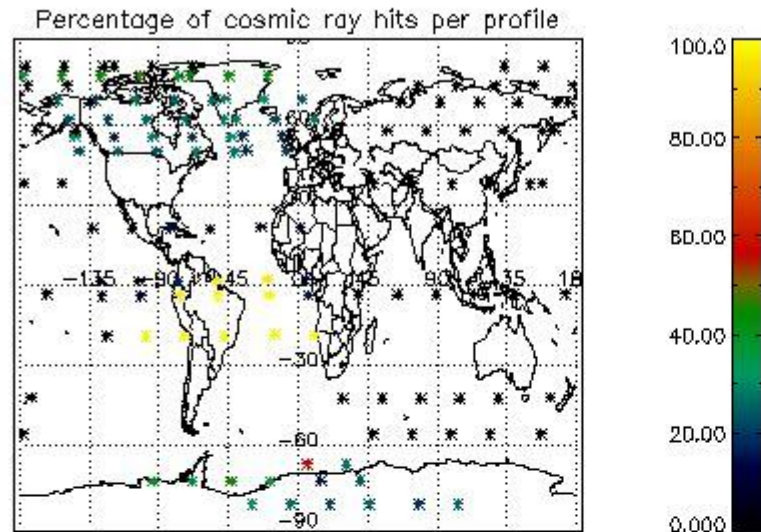
At least one measurement with demodulation flag set:	48.5294 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

### 5.2 Plot quality information per product (time dependant)



### 5.3 Plot quality information per product (world map)





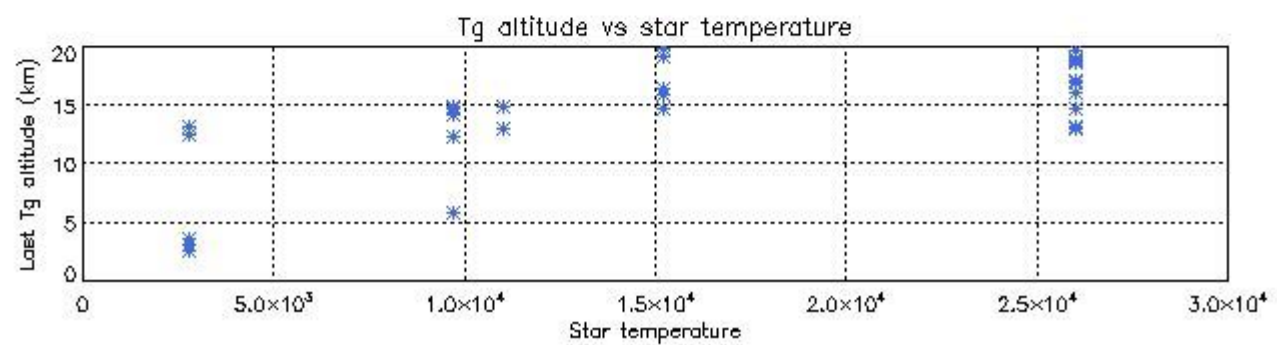
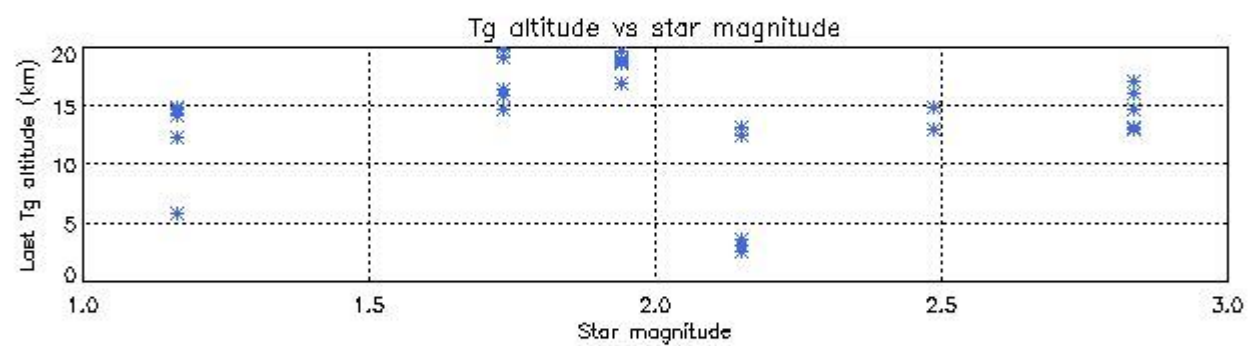
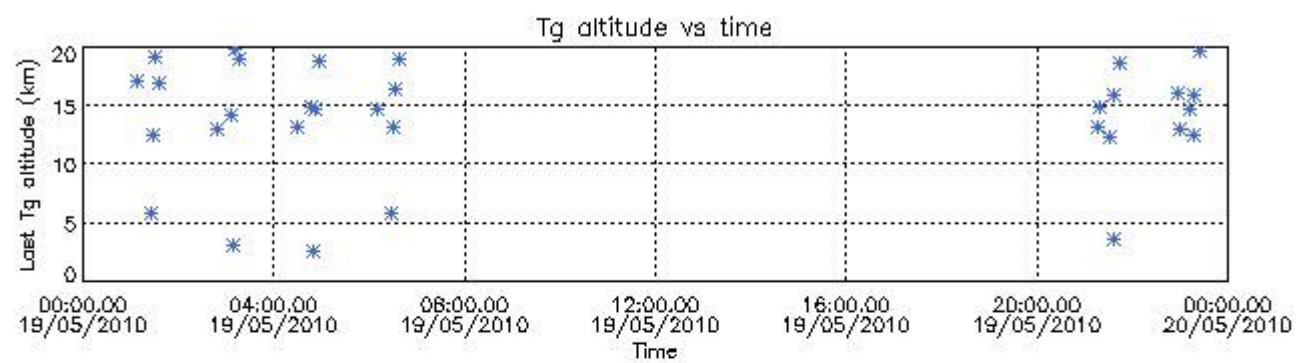
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	13.879	19.687	NaN
St. deviation:	4.8522	3.7060	NaN
Maximum:	19.897	27.314	NaN
Minimum:	2.6056	4.1479	NaN
Number of data:	32.000	60.000	NaN

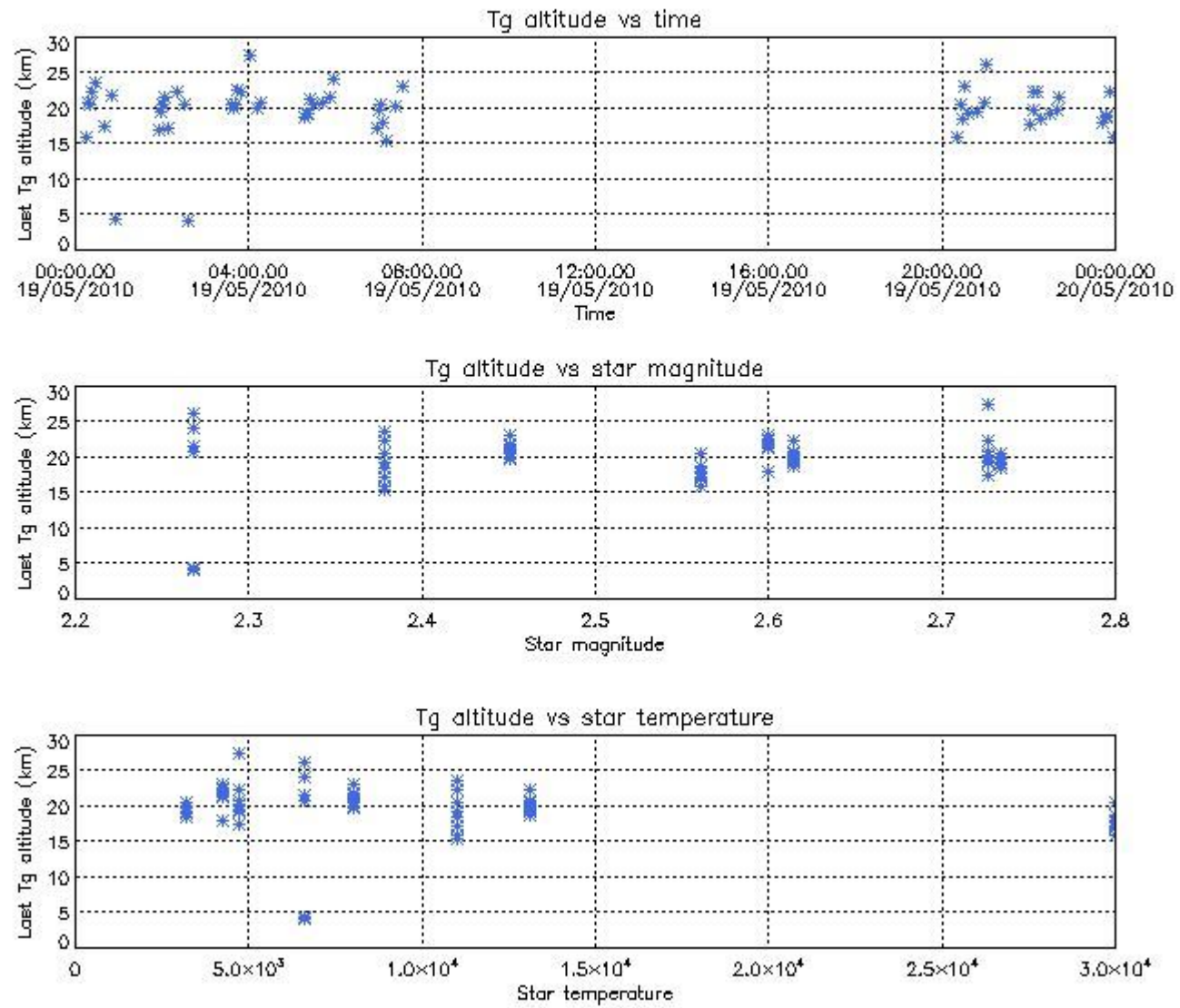
### 6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



### 6.3 Plot for BRIGHT limb products

## Tangent altitude at which the star is lost



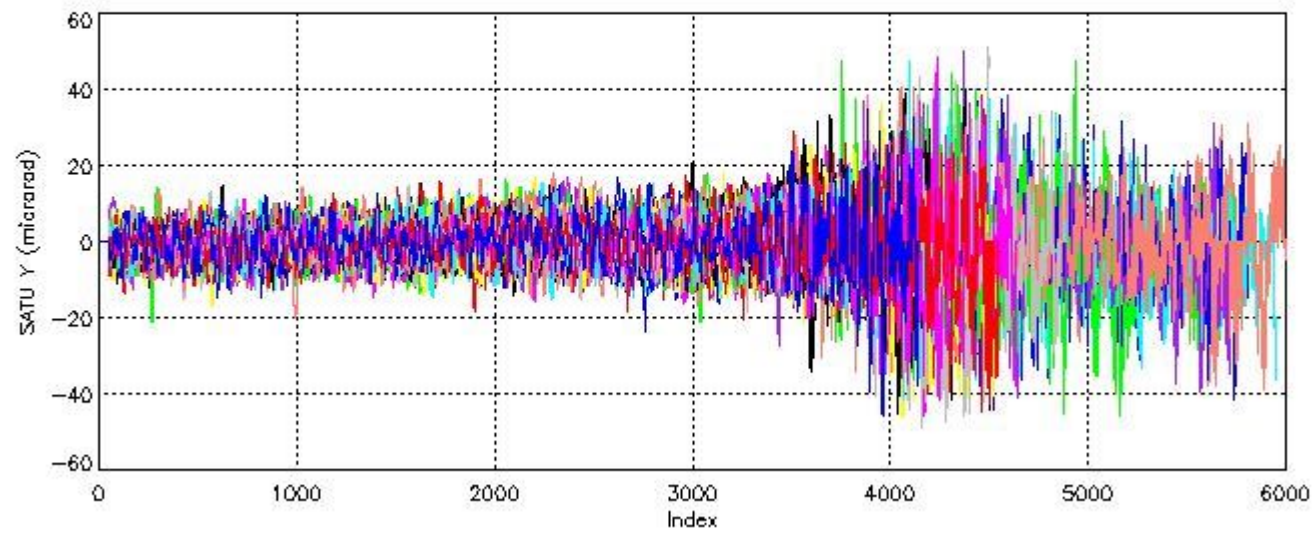
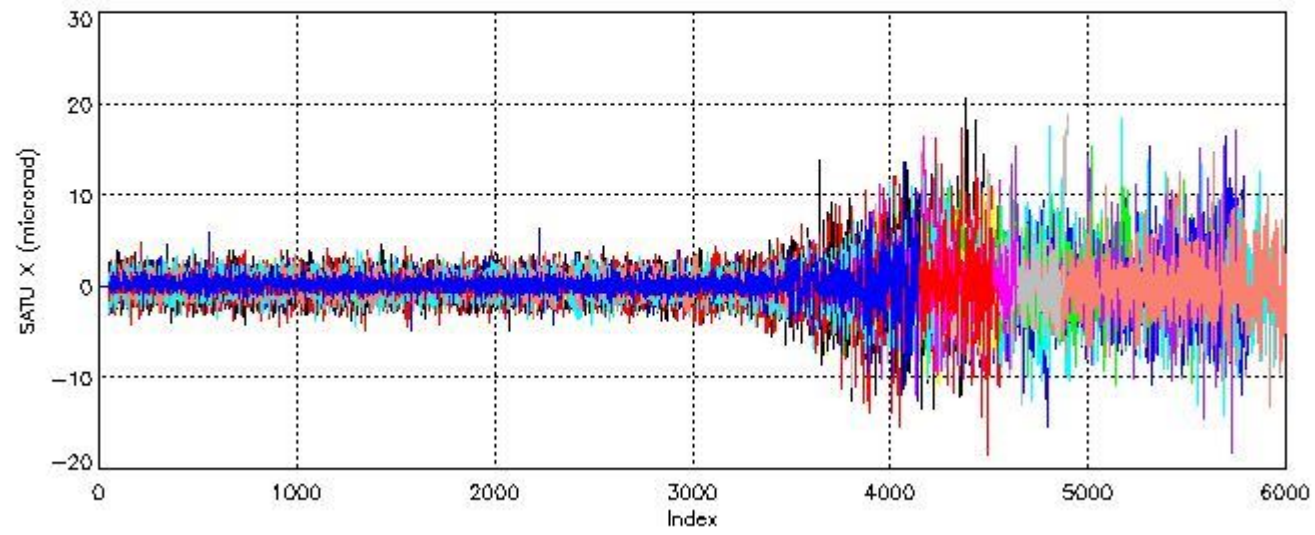
## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.18104	-0.85036	0.23581	-0.85619
St. deviation:	0.58444	3.9064	0.80967	4.1078
Maximum:	5.8000	14.600	5.1000	23.100
Minimum:	-4.5000	-21.300	-4.4000	-23.300

Number of data:	32200.	32200.	59400.	59400.
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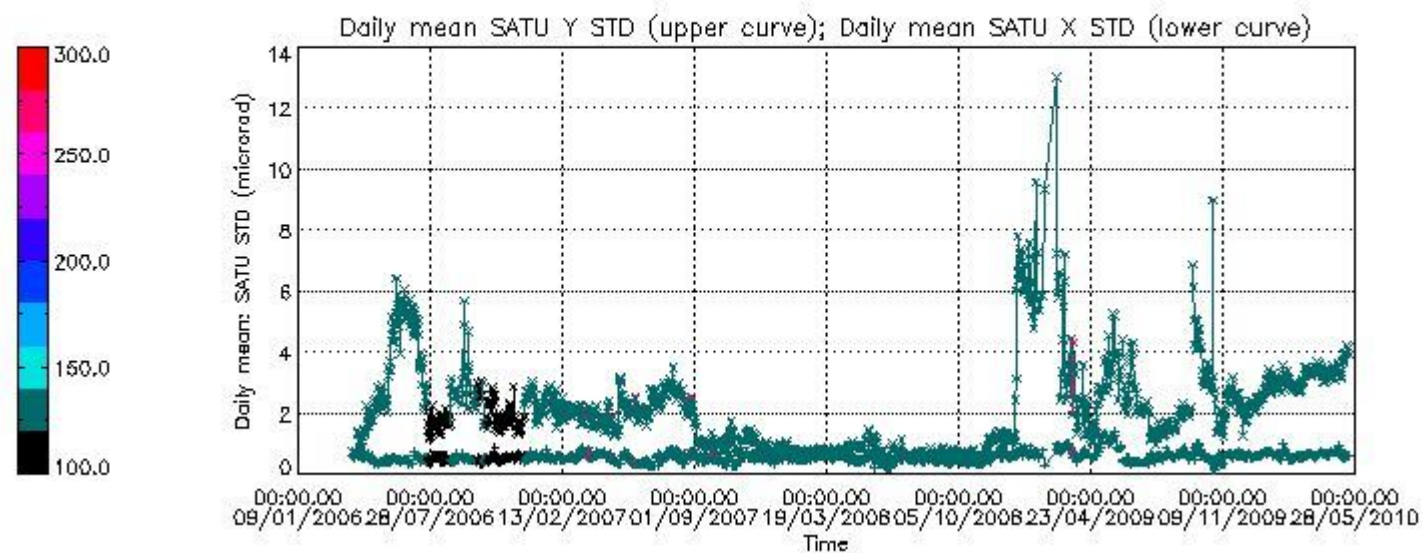
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

The long term trend of the SATU 'X' and 'Y' standard deviations should be constant during the whole mission.

The colorbar represents the start tangent altitude (km) of the occultations.

Upper curve: STD of SATU Y axis

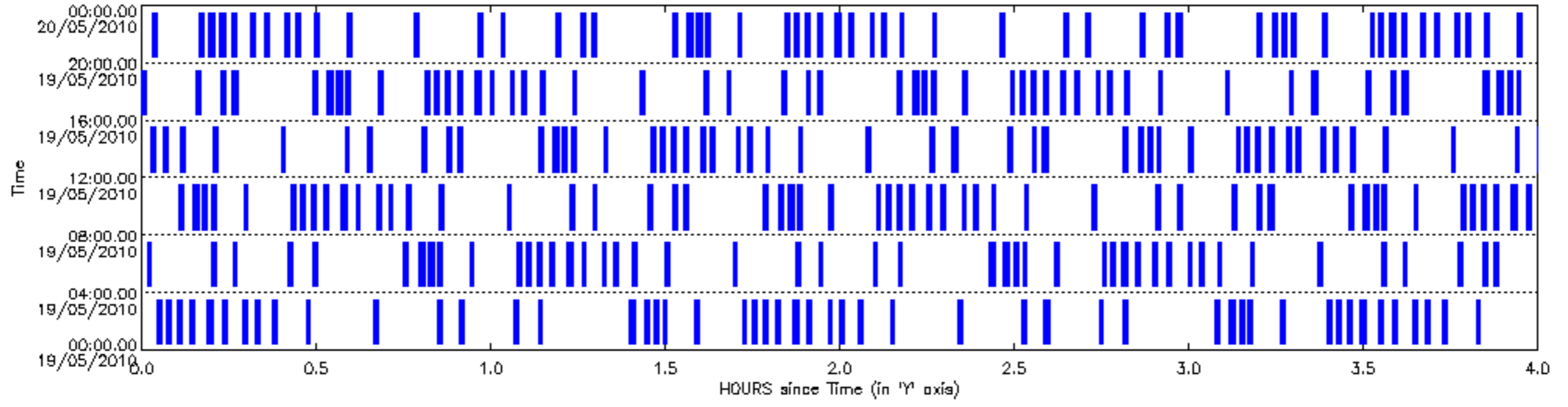
Lower curve: STD of SATU X axis



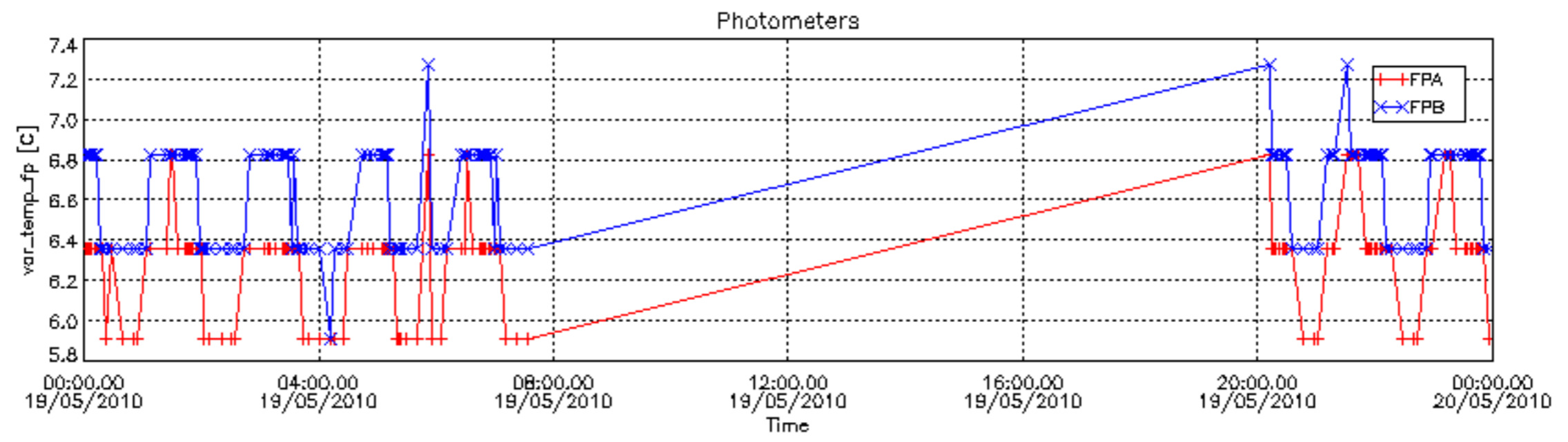
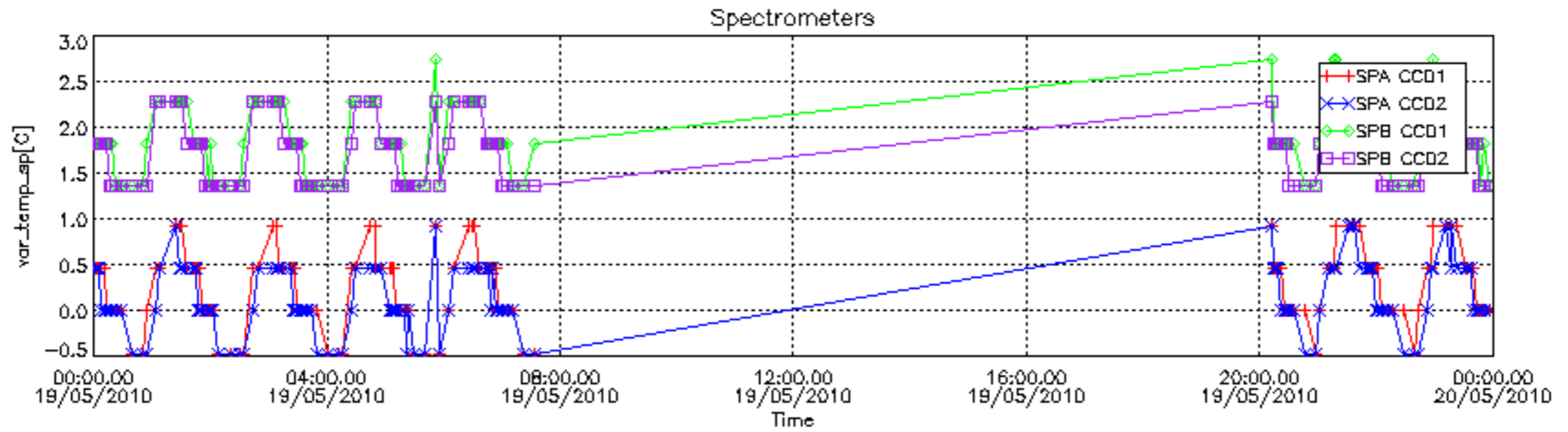
### 8. Auxiliary Data Files used for the production reported in section 2.4

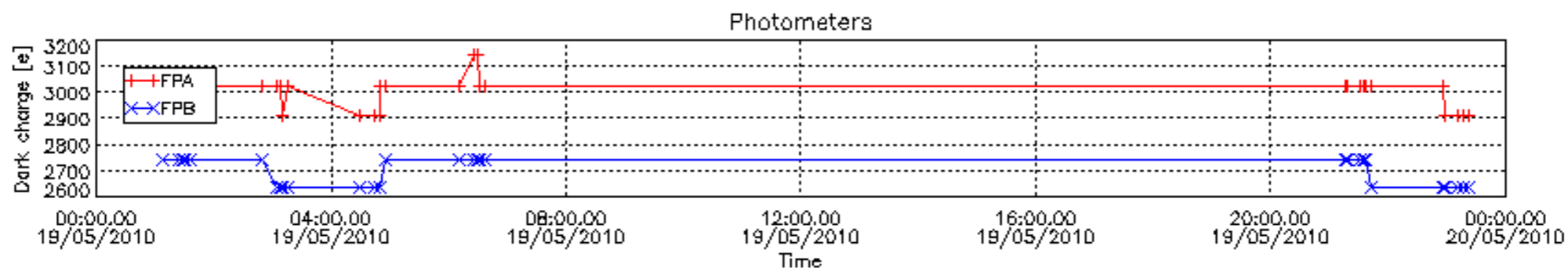
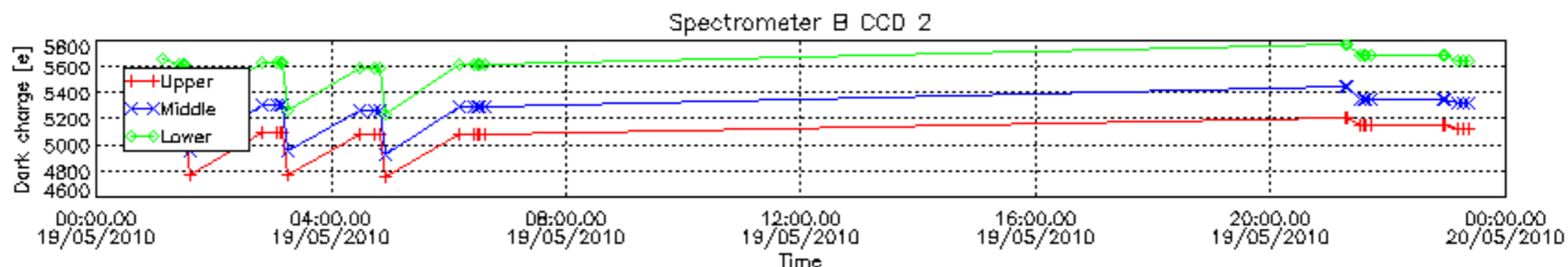
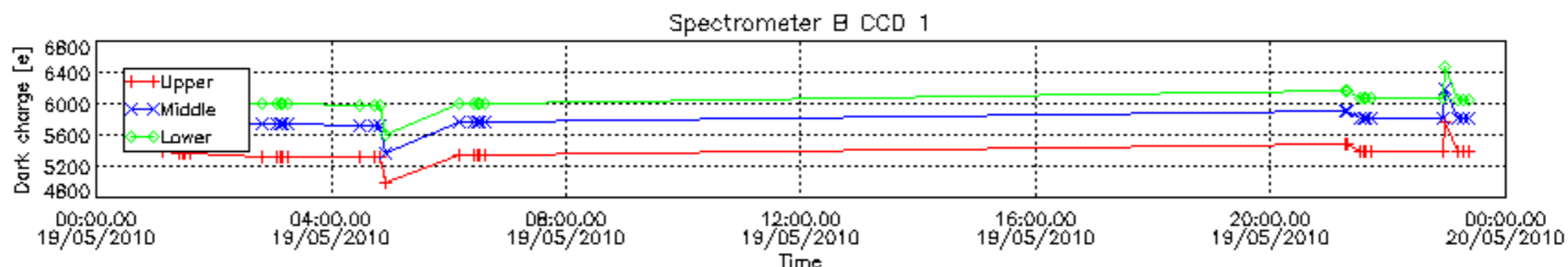
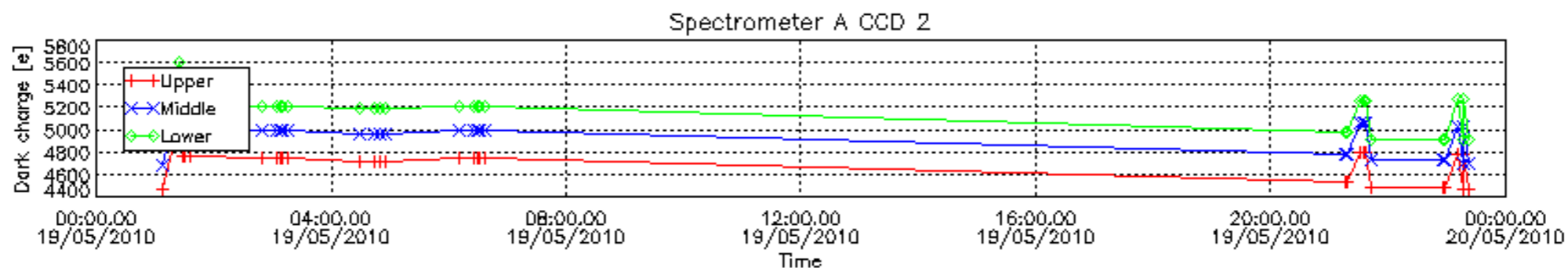
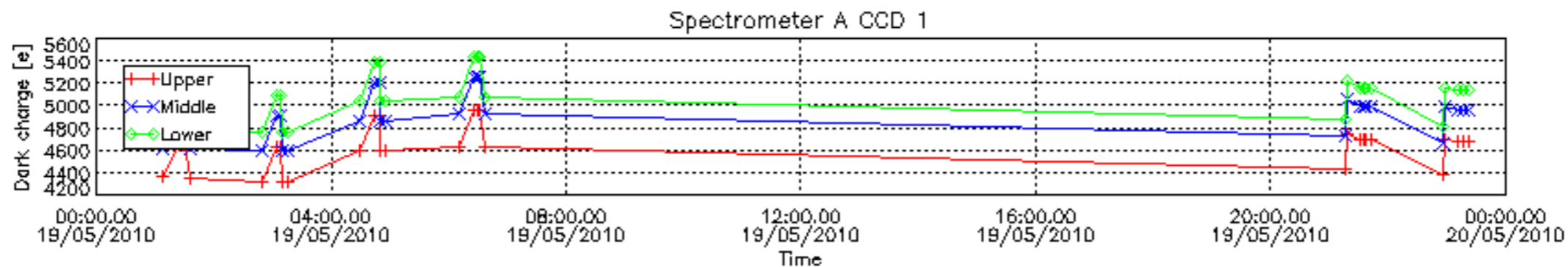
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

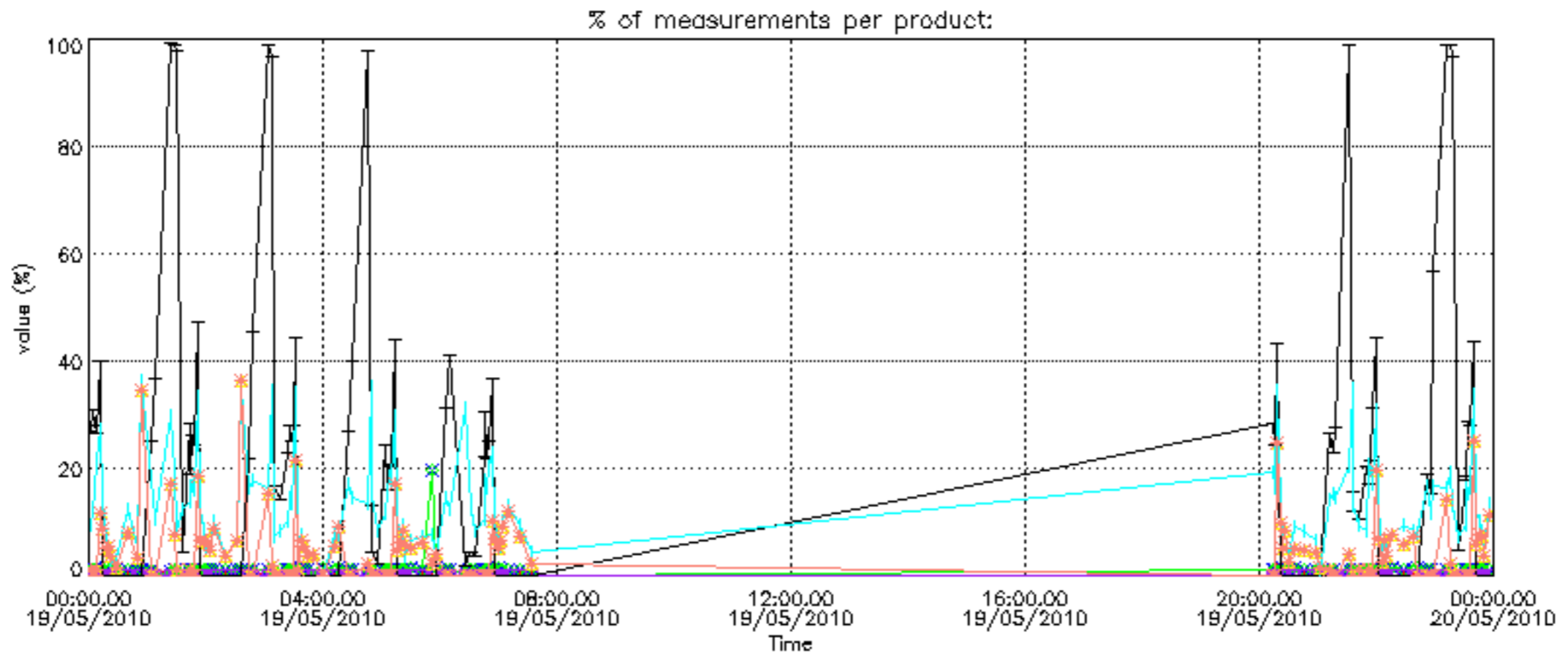
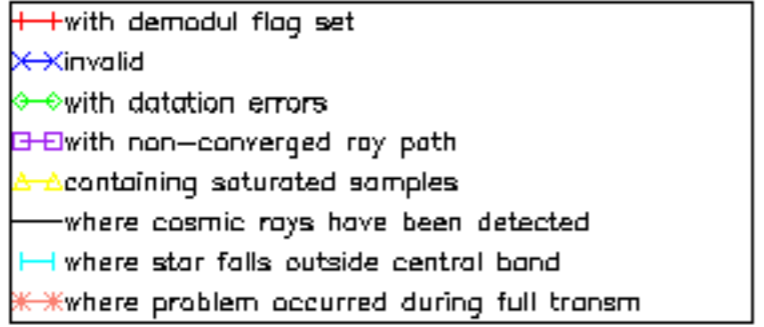
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	19-MAY-2010 00:02:37
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100518_092709_20100516_000000_20500101_000000	1	19-MAY-2010 00:02:37
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	19-MAY-2010 00:02:37
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	19-MAY-2010 00:02:37
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	19-MAY-2010 00:02:37
ECMWF_FILE	AUX_ECF_AXNECM20100518_054112_20100518_210000_20100519_090000	1	19-MAY-2010 00:02:37
ECMWF_FILE	AUX_ECF_AXNECM20100518_172113_20100519_030000_20100519_150000	49	19-MAY-2010 04:00:58
ECMWF_FILE	AUX_ECA_AXNECM20100519_052113_20100518_210000_20100519_090000	69	19-MAY-2010 05:52:29
ECMWF_FILE	AUX_ECF_AXNECM20100519_052114_20100519_150000_20100520_030000	89	19-MAY-2010 20:11:29
ECMWF_FILE	AUX_ECF_AXNECM20100519_054112_20100519_210000_20100520_090000	104	19-MAY-2010 21:31:09
OPTIONAL_ECMWF_FILE	MISSING	1	19-MAY-2010 00:02:37
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100518_233233_000057382089_00316_42955_0377.N1	1	19-MAY-2010 00:02:37
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100518_092114_20100517_191822_20100527_204436	16	19-MAY-2010 01:23:47
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100519_035254_000066952089_00319_42958_0379.N1	49	19-MAY-2010 04:00:58
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100519_054947_000057382089_00320_42959_0380.N1	69	19-MAY-2010 05:52:29
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100519_201031_000038252089_00329_42968_0381.N1	89	19-MAY-2010 20:11:29
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100519_211935_000057382089_00329_42968_0382.N1	104	19-MAY-2010 21:31:09
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100519_230032_000057382089_00330_42969_0383.N1	124	19-MAY-2010 23:11:46





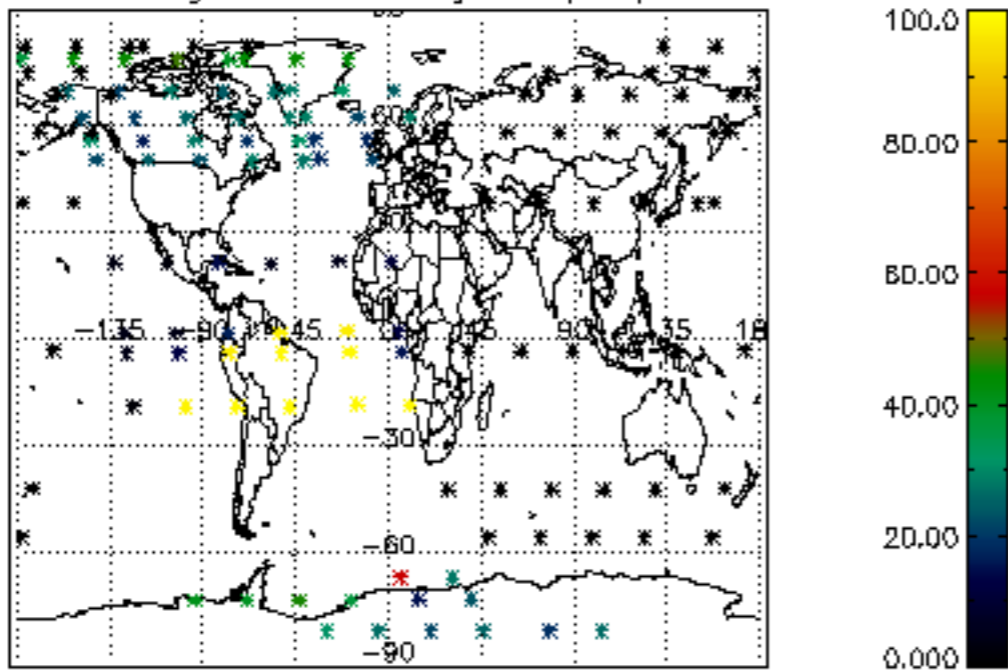




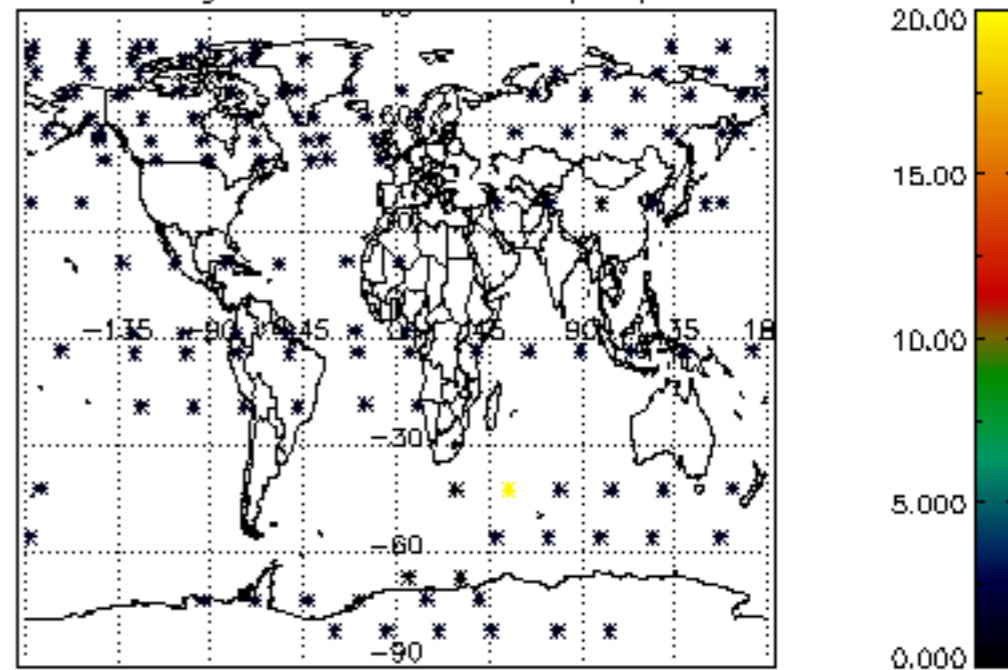




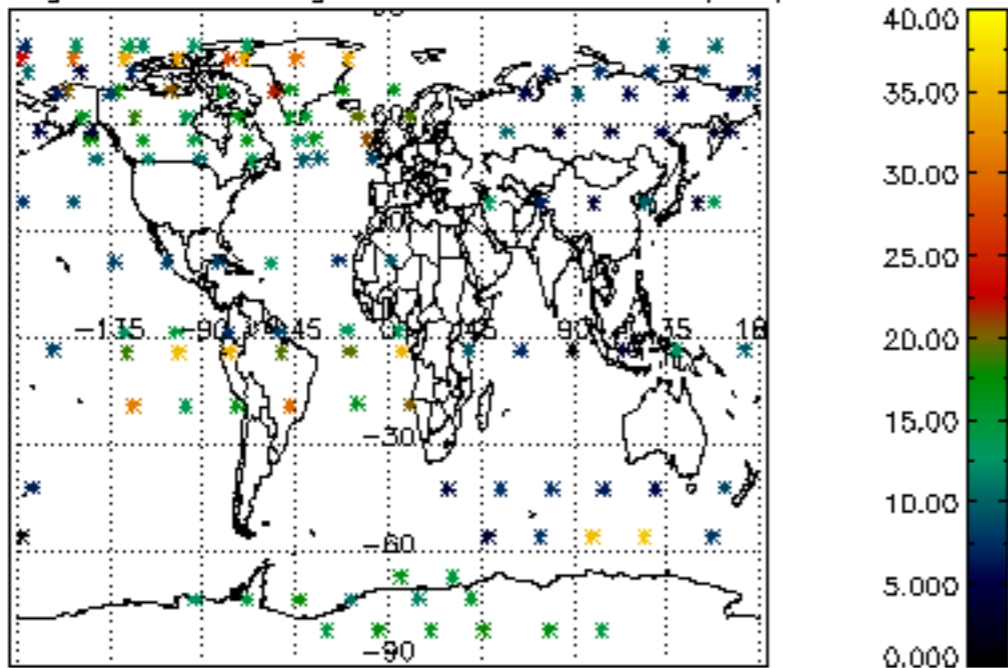
Percentage of cosmic ray hits per profile



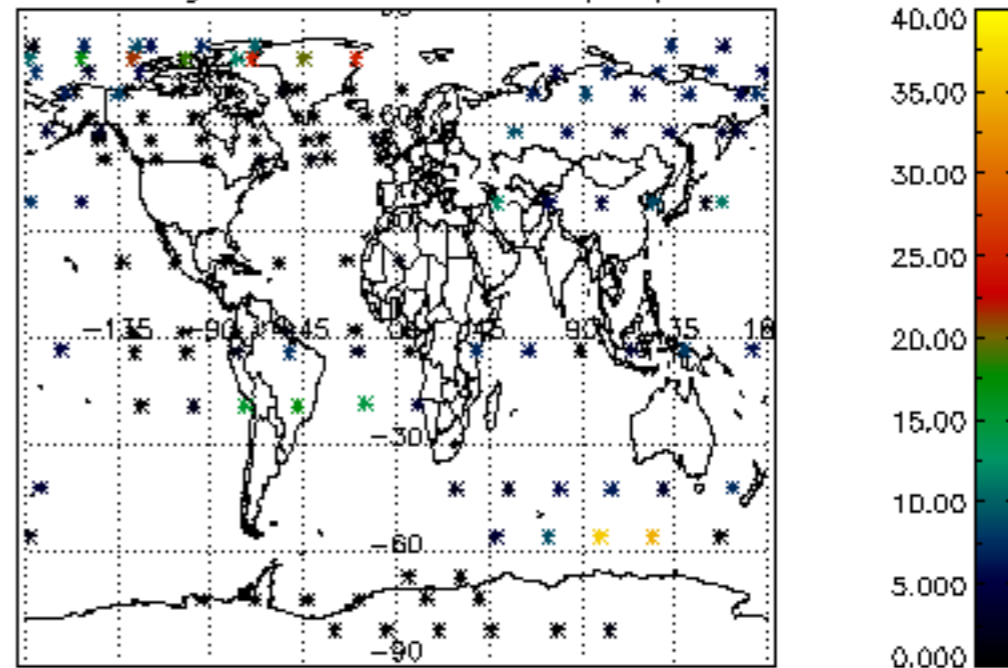
Percentage of datation errors per profile



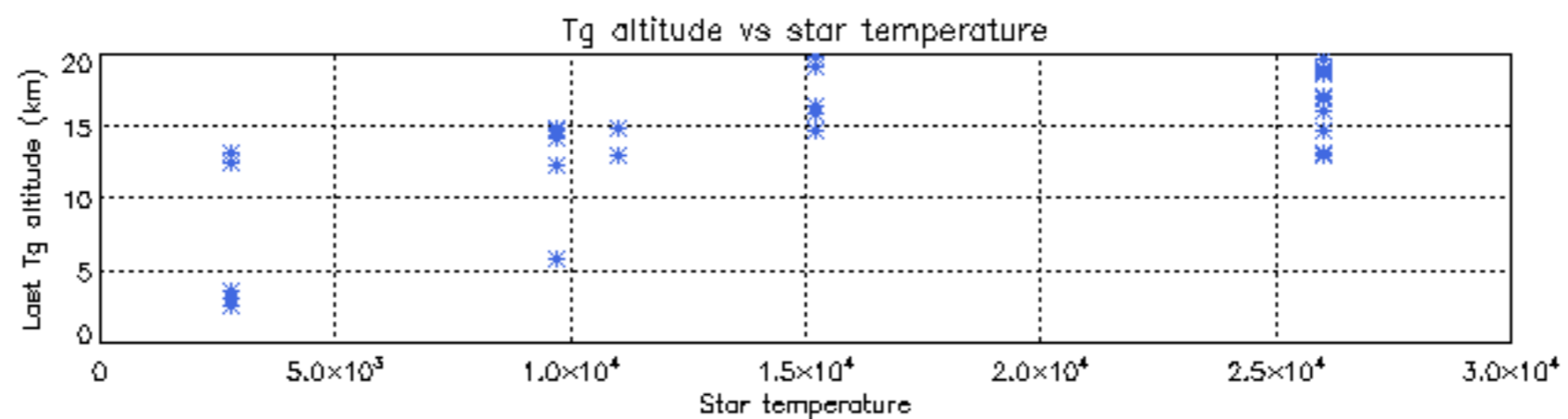
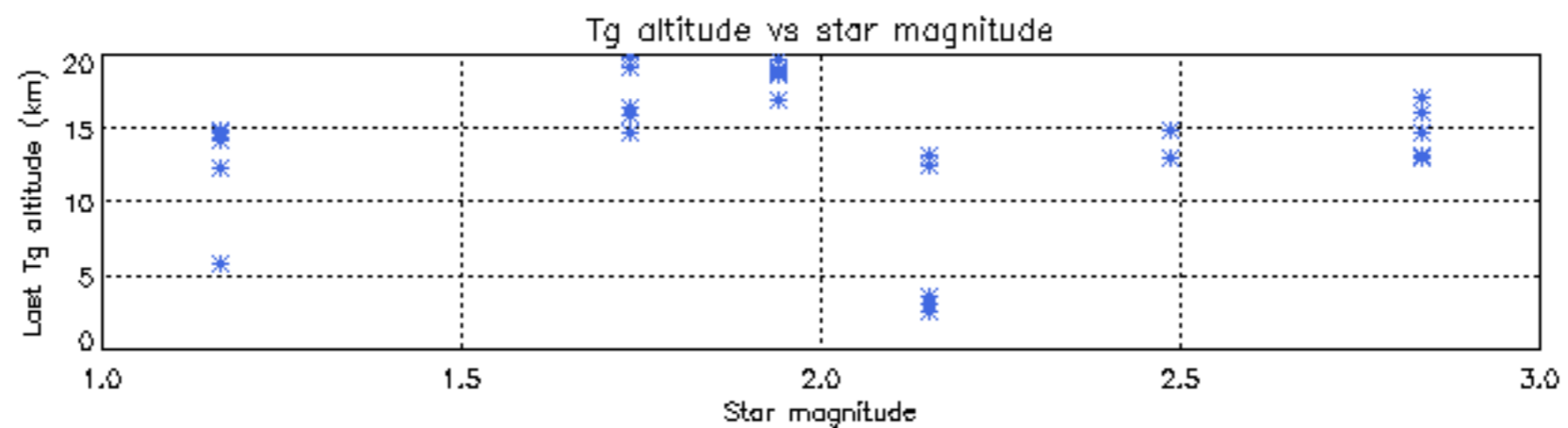
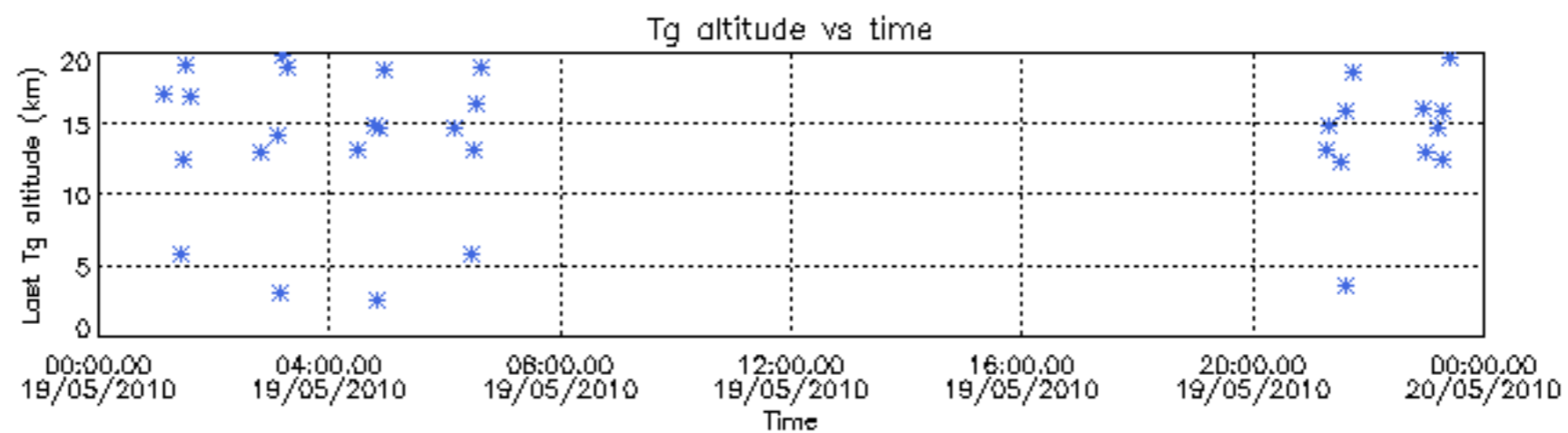
Percentage of star falling outside central band per profile



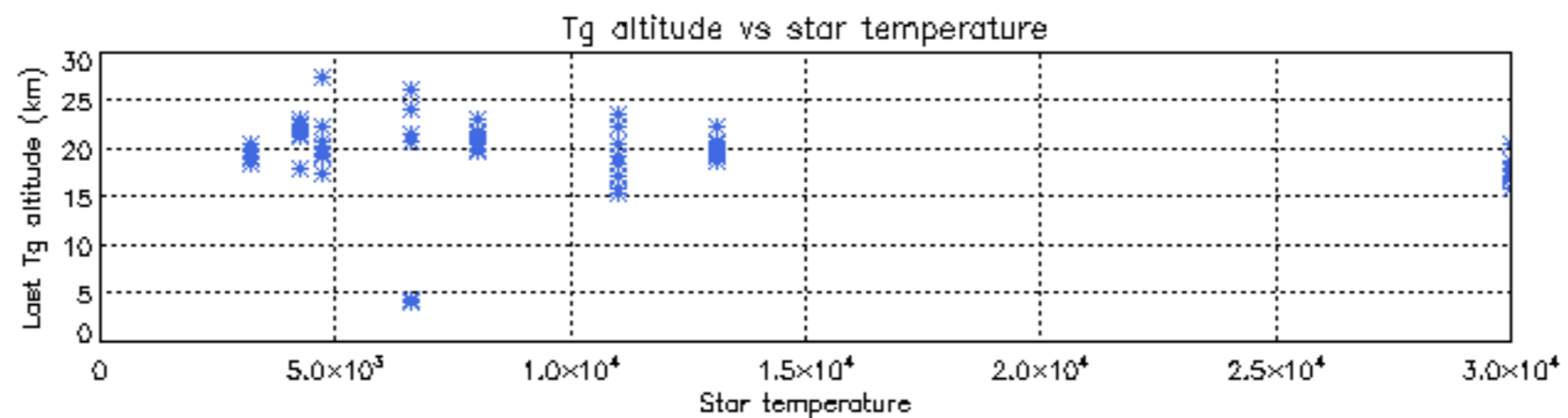
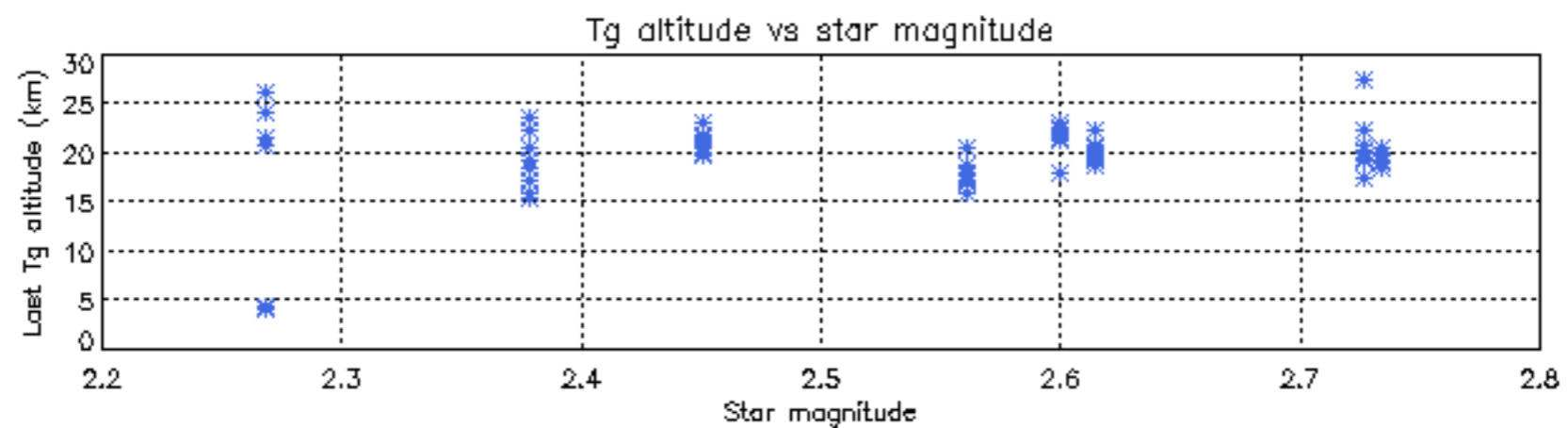
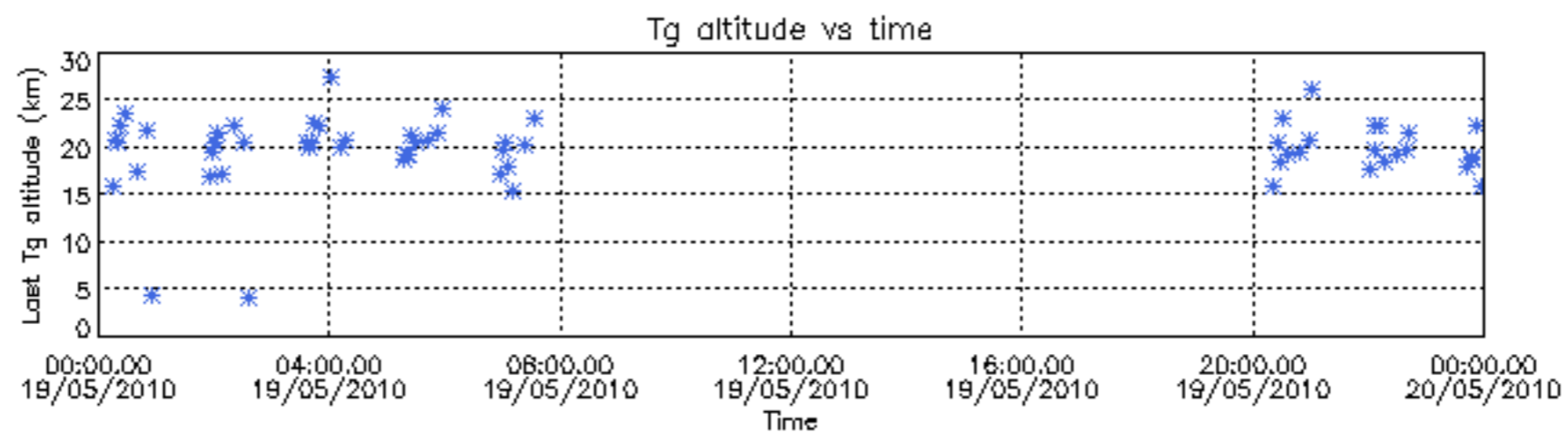
Percentage of saturation errors per profile

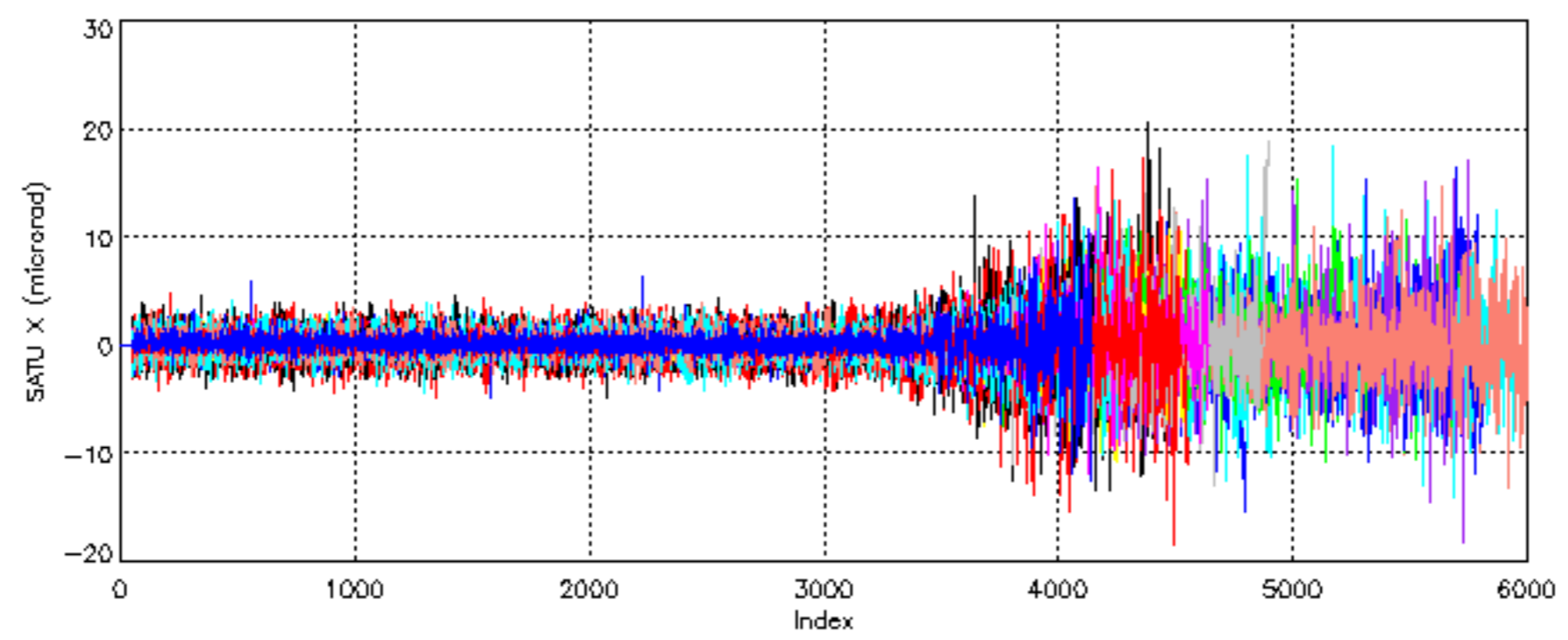


Tangent altitude at which the star is lost

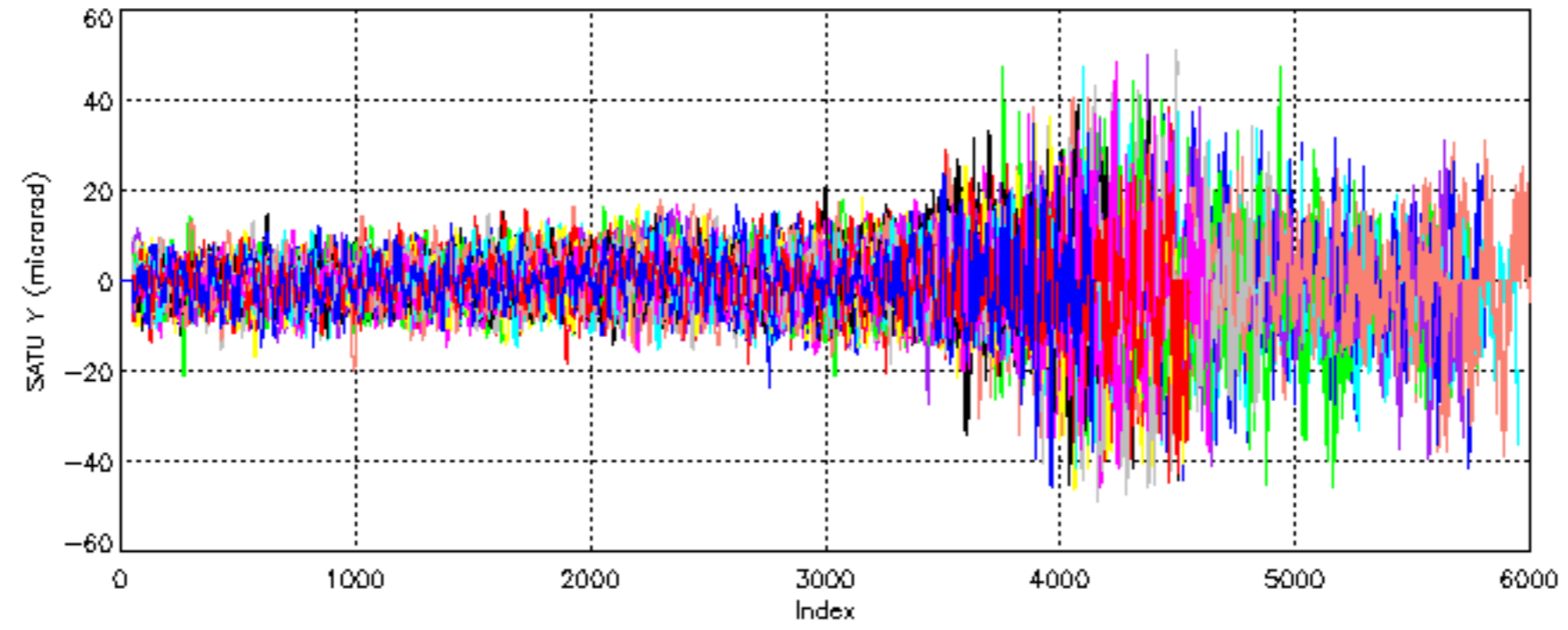


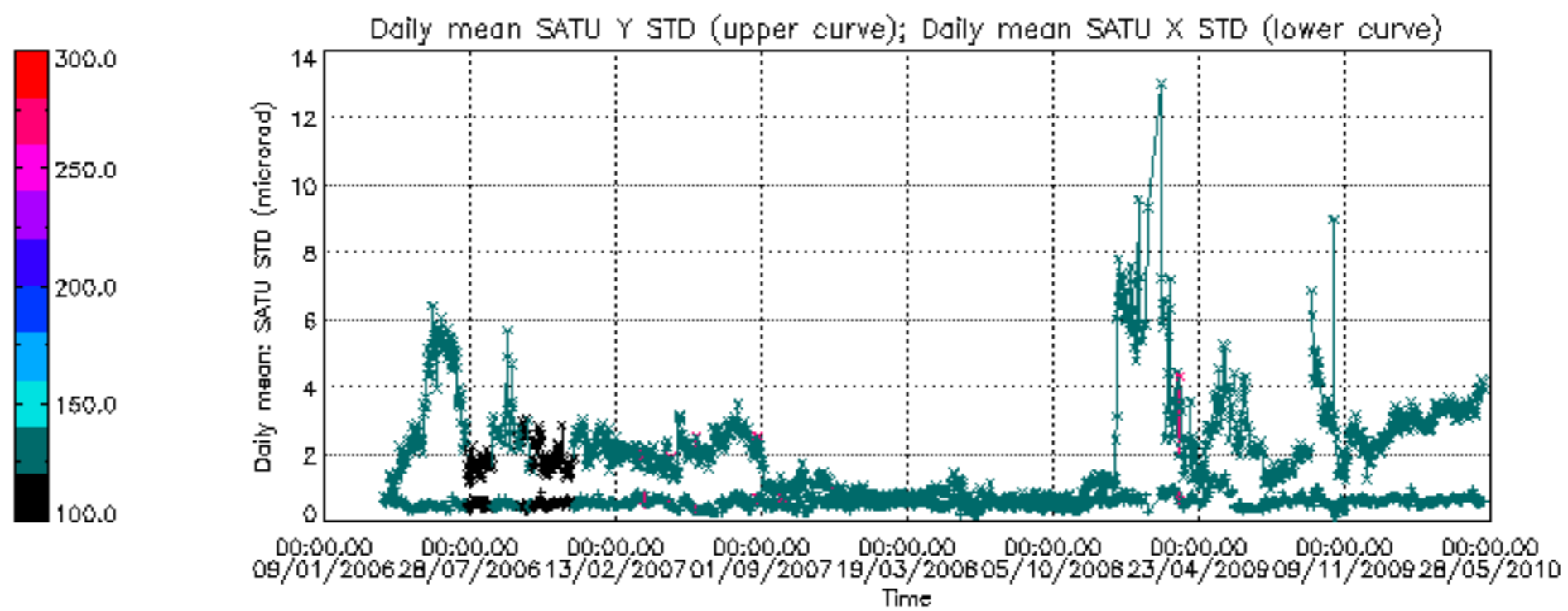
Tangent altitude at which the star is lost











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 2; -480.7; 01-MAY-2010 00:46:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42698  
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 4; 745.6; 01-MAY-2010 01:07:04; Dark ; 53.5; 40; The Sco ; 1.86; 7100;occ; 107; 0;42699  
 5; 850.6; 01-MAY-2010 01:08:49; Dark ; 59.0; 25; 35Lam Sco ; 1.62; 28000;occ; 118; 0;42699  
 6; 1038.5; 01-MAY-2010 01:11:57; Dark ; 60.0; 75; 26Eps Sco ; 2.29; 4250;occ; 120; 0;42699  
 7; 1264.4; 01-MAY-2010 01:15:43; Dark ; 81.0; 16; 21Alp Sco ; 1.02; 3000;occ; 162; 0;42699  
 8; 1399.6; 01-MAY-2010 01:17:58; Dark ; 58.5; 80; 7Del Sco ; 2.32; 30000;occ; 117; 0;42699  
 9; 1590.0; 01-MAY-2010 01:21:09; Bright; 45.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 90; 0;42699  
 10; 1728.2; 01-MAY-2010 01:23:27; Bright; 47.5; 104; 27Bet Lib ; 2.61; 13100;occ; 95; 0;42699  
 11; 2233.6; 01-MAY-2010 01:31:52; Bright; 40.0; 111; 8Eta Boo ; 2.68; 6000;occ; 80; 0;42699  
 12; 2456.5; 01-MAY-2010 01:35:35; Bright; 45.5; 83; ; 2.38; 11000;occ; 91; 0;42699  
 13; 2637.1; 01-MAY-2010 01:38:36; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;42699  
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 17; 4140.5; 01-MAY-2010 02:03:39; Bright; 32.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 64; 0;42699  
 18; 4508.1; 01-MAY-2010 02:09:47; Dark ; 51.5; 164; 44Eta Peg ; 2.95; 5400;occ; 103; 0;42699  
 19; 4773.4; 01-MAY-2010 02:14:12; Dark ; 45.0; 90; 54Alp Peg ; 2.49; 11000;occ; 90; 0;42699  
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 8; 1039.1; 01-MAY-2010 02:52:34; Dark ; 64.5; 75; 26Eps Sco ; 2.29; 4250;occ; 129; 0;42700  
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 13; 2233.6; 01-MAY-2010 03:12:28; Bright; 38.0; 111; 8Eta Boo ; 2.68; 6000;occ; 76; 0;42700  
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 8; -478.4; 01-MAY-2010 04:07:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42700  
 9; -239.1; 01-MAY-2010 04:11:52; Dark ; 42.5; 172; Gam Gru ; 3.00; 13100;occ; 85; 0;42700  
 10; 635.9; 01-MAY-2010 04:26:27; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;42701  
 11; 747.2; 01-MAY-2010 04:28:18; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;42701  
 12; 852.4; 01-MAY-2010 04:30:03; Dark ; 55.5; 25; 35Lam Sco ; 1.62; 28000;occ; 111; 0;42701  
 13; 1039.9; 01-MAY-2010 04:33:11; Dark ; 59.0; 75; 26Eps Sco ; 2.29; 4250;occ; 118; 0;42701  
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5; 1591.3; 01-MAY-2010 19:47:46; Bright; 42.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 84; 0;42710
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13; 3185.2; 04-MAY-2010 01:53:29; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42742
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18; 2617.2; 04-MAY-2010 06:45:49; Bright; 41.0; 180; 27Gam Boo ; 3.04; 8000;occ; 82; 0;42745
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 13; 1413.2; 04-MAY-2010 08:06:21; Dark ; 56.5; 80; 7Del Sco ; 2.32; 30000;occ; 113; 0;42746  
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 4; 2617.0; 04-MAY-2010 08:26:25; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42746  
 5; 3182.7; 04-MAY-2010 08:35:51; Bright; 45.5; 119; 14Eta Dra ; 2.73; 4700;occ; 91; 0;42746  
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 5; 2616.0; 04-MAY-2010 11:47:36; Bright; 40.5; 180; 27Gam Boo ; 3.04; 8000;occ; 81; 0;42748  
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 6; 3166.4; 06-MAY-2010 07:32:20; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42774  
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 6; 3157.2; 07-MAY-2010 10:21:46; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42790
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 21; 7639.6; 09-MAY-2010 08:52:39; Bright; 40.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 80; 0;42818  
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17; 6744.1; 09-MAY-2010 15:20:07; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;42822

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6; 719.7; 11-MAY-2010 02:32:53; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42843
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 11; 3123.6; 11-MAY-2010 18:18:20; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;42852  
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 15; 4746.1; 11-MAY-2010 18:45:23; Dark ; 42.0; 140; 88Gam Peg ; 2.83; 26000;occ; 84; 0;42852  
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 17; 5632.1; 11-MAY-2010 19:00:09; Dark ; 46.0; 18; 24Alp PsA ; 1.17; 9700;occ; 92; 0;42852  
 18; 5775.1; 11-MAY-2010 19:02:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42852  
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 22; 6761.2; 11-MAY-2010 19:18:58; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;42853  
 23; 6904.9; 11-MAY-2010 19:21:21; Dark ; 55.5; 40; The Sco ; 1.86; 7100;occ; 111; 0;42853

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 13; 1725.3; 11-MAY-2010 22:56:50; Bright; 42.5; 104; 27Bet Lib ; 2.61; 13100;occ; 85; 0;42855  
 14; 2237.3; 11-MAY-2010 23:05:22; Bright; 36.5; 3; 16Alp Boo ; -0.05; 4250;occ; 73; 0;42855  
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 16; 2582.4; 11-MAY-2010 23:11:07; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42855  
 17; 2747.4; 11-MAY-2010 23:13:52; Bright; 34.5; 39; 85Eta UMa ; 1.85; 24000;occ; 69; 0;42855  
 18; 3121.9; 11-MAY-2010 23:20:06; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42855  
 19; 3774.1; 11-MAY-2010 23:30:58; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;42855  
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 21; 4565.9; 11-MAY-2010 23:44:10; Dark ; 60.0; 93; 53Bet Peg ; 2.52; 3100;occ; 120; 0;42855  
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 23; 4832.1; 11-MAY-2010 23:48:36; Dark ; 50.5; 90; 54Alp Peg ; 2.49; 11000;occ; 101; 0;42855

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 4; 1329.2; 11-MAY-2010 19:29:02; Dark ; 69.0; 16; 21Alp Sco ; 1.02; 3000;occ; 138; 0;42853  
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 7; 1725.4; 11-MAY-2010 19:35:38; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;42853  
 8; 2237.3; 11-MAY-2010 19:44:10; Bright; 39.0; 3; 16Alp Boo ; -0.05; 4250;occ; 78; 0;42853  
 9; 2396.5; 11-MAY-2010 19:46:49; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;42853  
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 12; 3122.9; 11-MAY-2010 19:58:55; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42853  
 13; 3775.3; 11-MAY-2010 20:09:48; Bright; 43.0; 89; 5Alp Cep ; 2.45; 8000;occ; 86; 0;42853  
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 19; 5775.8; 11-MAY-2010 20:43:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42853



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22; 6319.6; 11-MAY-2010 20:52:12; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42854
23; 6761.6; 11-MAY-2010 20:59:34; Dark ; 54.0; 141; Bet Ara ; 2.84; 4600;occ; 108; 0;42854
24; 6905.5; 11-MAY-2010 21:01:58; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;42854
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 6; 726.8; 12-MAY-2010 00:20:47; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;42856
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 8; 982.7; 12-MAY-2010 00:25:03; Dark ; 60.0; 25; 35Lam Sco ; 1.62; 28000;occ; 120; 0;42856
 9; 1135.3; 12-MAY-2010 00:27:35; Dark ; 54.5; 75; 26Eps Sco ; 2.29; 4250;occ; 109; 0;42856
10; 1330.4; 12-MAY-2010 00:30:51; Dark ; 58.0; 16; 21Alp Sco ; 1.02; 3000;occ; 116; 0;42856
11; 1441.0; 12-MAY-2010 00:32:41; Dark ; 59.0; 80; 7Del Sco ; 2.32; 30000;occ; 118; 0;42856
12; 1608.2; 12-MAY-2010 00:35:28; Bright; 40.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 80; 0;42856
13; 1725.4; 12-MAY-2010 00:37:26; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;42856
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16; 2582.5; 12-MAY-2010 00:51:43; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42856
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18; 3121.5; 12-MAY-2010 01:00:42; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42856
19; 3773.6; 12-MAY-2010 01:11:34; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;42856
20; 3964.3; 12-MAY-2010 01:14:44; Bright; 34.5; 74; 11Bet Cas ; 2.27; 6600;occ; 69; 0;42856
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22; 4746.9; 12-MAY-2010 01:27:47; Dark ; 40.5; 140; 88Gam Peg ; 2.83; 26000;occ; 81; 0;42856
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 3; -131.4; 12-MAY-2010 01:47:05; Dark ; 47.0; 63; Bet Gru ; 2.15; 2800;occ; 94; 0;42856
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 5; 285.6; 12-MAY-2010 01:54:02; Dark ; 45.5; 45; Alp Pav ; 1.94; 26000;occ; 91; 0;42857
 6; 727.3; 12-MAY-2010 02:01:23; Dark ; 49.0; 141; Bet Ara ; 2.84; 4600;occ; 98; 0;42857
 7; 871.9; 12-MAY-2010 02:03:48; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;42857
 8; 983.8; 12-MAY-2010 02:05:40; Dark ; 51.0; 25; 35Lam Sco ; 1.62; 28000;occ; 102; 0;42857
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10; 1330.8; 12-MAY-2010 02:11:27; Dark ; 58.5; 16; 21Alp Sco ; 1.02; 3000;occ; 117; 0;42857
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13; 1725.5; 12-MAY-2010 02:18:02; Bright; 41.5; 104; 27Bet Lib ; 2.61; 13100;occ; 83; 0;42857
14; 2237.0; 12-MAY-2010 02:26:33; Bright; 40.5; 3; 16Alp Boo ; -0.05; 4250;occ; 81; 0;42857
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17; 2747.3; 12-MAY-2010 02:35:03; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;42857
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 9; -49.0; 12-MAY-2010 03:29:03; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;42857
10; 286.0; 12-MAY-2010 03:34:38; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42858
11; 727.8; 12-MAY-2010 03:42:00; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;42858
12; 872.5; 12-MAY-2010 03:44:24; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;42858
13; 984.5; 12-MAY-2010 03:46:16; Dark ; 56.5; 25; 35Lam Sco ; 1.62; 28000;occ; 113; 0;42858
14; 1136.3; 12-MAY-2010 03:48:48; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;42858
15; 1331.4; 12-MAY-2010 03:52:03; Dark ; 68.0; 16; 21Alp Sco ; 1.02; 3000;occ; 136; 0;42858
16; 1441.4; 12-MAY-2010 03:53:53; Dark ; 59.0; 80; 7Del Sco ; 2.32; 30000;occ; 118; 0;42858
17; 1608.4; 12-MAY-2010 03:56:40; Bright; 38.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 76; 0;42858
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22; 2747.5; 12-MAY-2010 04:15:39; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;42858
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11; 728.3; 12-MAY-2010 05:22:36; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;42859
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16; 1441.8; 12-MAY-2010 05:34:30; Dark ; 58.0; 80; 7Del Sco ; 2.32; 30000;occ; 116; 0;42859
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18; 1725.6; 12-MAY-2010 05:39:14; Bright; 41.0; 104; 27Bet Lib ; 2.61; 13100;occ; 82; 0;42859
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21; 2582.0; 12-MAY-2010 05:53:30; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42859
22; 2747.1; 12-MAY-2010 05:56:15; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;42859
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13; 3963.9; 12-MAY-2010 18:00:43; Bright; 37.0; 74; 11Bet Cas ; 2.27; 6600;occ; 74; 0;42866  
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 17; 5786.5; 12-MAY-2010 18:31:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42866  
 18; 5910.4; 12-MAY-2010 18:33:10; Dark ; 56.0; 63; Bet Gru ; 2.15; 2800;occ; 112; 0;42866  
 19; 5993.4; 12-MAY-2010 18:34:33; Dark ; 42.0; 31; Alp Gru ; 1.73; 15200;occ; 84; 0;42866  
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 21; 6768.8; 12-MAY-2010 18:47:28; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;42867  
 22; 6915.4; 12-MAY-2010 18:49:55; Dark ; 54.5; 40; The Sco ; 1.86; 7100;occ; 109; 0;42867  
 23; 7026.6; 12-MAY-2010 18:51:46; Dark ; 57.0; 25; 35Lam Sco ; 1.62; 28000;occ; 114; 0;42867

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 4; 1443.4; 12-MAY-2010 18:59:19; Dark ; 59.5; 80; 7Del Sco ; 2.32; 30000;occ; 119; 0;42867  
 5; 1609.5; 12-MAY-2010 19:02:05; Bright; 40.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 81; 0;42867  
 6; 1725.5; 12-MAY-2010 19:04:01; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;42867  
 7; 2062.6; 12-MAY-2010 19:09:38; Bright; 31.0; 102; 24Alp Ser ; 2.60; 4250;occ; 62; 0;42867  
 8; 2236.4; 12-MAY-2010 19:12:32; Bright; 37.0; 3; 16Alp Boo ; -0.05; 4250;occ; 74; 0;42867  
 9; 2393.0; 12-MAY-2010 19:15:08; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;42867  
 10; 2580.1; 12-MAY-2010 19:18:16; Bright; 39.5; 180; 27Gam Boo ; 3.04; 8000;occ; 79; 0;42867  
 11; 2746.6; 12-MAY-2010 19:21:02; Bright; 38.5; 39; 85Eta UMa ; 1.85; 24000;occ; 77; 0;42867  
 12; 3115.9; 12-MAY-2010 19:27:11; Bright; 62.0; 119; 14Eta Dra ; 2.73; 4700;occ; 124; 0;42867  
 13; 3769.4; 12-MAY-2010 19:38:05; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42867  
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 17; 4837.9; 12-MAY-2010 19:55:53; Dark ; 52.0; 90; 54Alp Peg ; 2.49; 11000;occ; 104; 0;42867  
 18; 5642.7; 12-MAY-2010 20:09:18; Dark ; 51.0; 18; 24Alp PsA ; 1.17; 9700;occ; 102; 0;42867  
 19; 5787.2; 12-MAY-2010 20:11:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42867  
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 22; 6329.2; 12-MAY-2010 20:20:45; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42868  
 23; 6769.2; 12-MAY-2010 20:28:05; Dark ; 49.0; 141; Bet Ara ; 2.84; 4600;occ; 98; 0;42868  
 24; 6915.6; 12-MAY-2010 20:30:31; Dark ; 54.0; 40; The Sco ; 1.86; 7100;occ; 108; 0;42868  
 25; 7027.3; 12-MAY-2010 20:32:23; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;42868

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 6; 1725.7; 12-MAY-2010 20:44:37; Bright; 40.5; 104; 27Bet Lib ; 2.61; 13100;occ; 81; 0;42868  
 7; 2062.0; 12-MAY-2010 20:50:13; Bright; 38.0; 102; 24Alp Ser ; 2.60; 4250;occ; 76; 0;42868  
 8; 2236.1; 12-MAY-2010 20:53:08; Bright; 38.5; 3; 16Alp Boo ; -0.05; 4250;occ; 77; 0;42868  
 9; 2392.6; 12-MAY-2010 20:55:44; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;42868  
 10; 2579.8; 12-MAY-2010 20:58:51; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42868  
 11; 2746.7; 12-MAY-2010 21:01:38; Bright; 37.5; 39; 85Eta UMa ; 1.85; 24000;occ; 75; 0;42868  
 12; 3115.4; 12-MAY-2010 21:07:47; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42868  
 13; 3769.1; 12-MAY-2010 21:18:41; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42868  
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 16; 4750.4; 12-MAY-2010 21:35:02; Dark ; 40.0; 140; 88Gam Peg ; 2.83; 26000;occ; 80; 0;42868  
 17; 4838.1; 12-MAY-2010 21:36:30; Dark ; 51.5; 90; 54Alp Peg ; 2.49; 11000;occ; 103; 0;42868

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 5; 294.2; 12-MAY-2010 22:01:22; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;42869  
 6; 733.8; 12-MAY-2010 22:08:41; Dark ; 49.5; 141; Bet Ara ; 2.84; 4600;occ; 99; 0;42869  
 7; 880.2; 12-MAY-2010 22:11:08; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;42869  
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 12; 1609.8; 12-MAY-2010 22:23:17; Bright; 39.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 78; 0;42869

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15; 2236.3; 12-MAY-2010 22:33:44; Bright; 37.0; 3; 16Alp Boo ;-0.05; 4250;occ; 74; 0;42869
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17; 2579.7; 12-MAY-2010 22:39:27; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42869
18; 2747.0; 12-MAY-2010 22:42:14; Bright; 35.0; 39; 85Eta UMa ; 1.85; 24000;occ; 70; 0;42869
19; 3114.8; 12-MAY-2010 22:48:22; Bright; 44.5; 119; 14Eta Dra ; 2.73; 4700;occ; 89; 0;42869
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22; 4568.9; 12-MAY-2010 23:12:36; Dark ; 66.0; 93; 53Bet Peg ; 2.52; 3100;occ; 132; 0;42869
23; 4750.6; 12-MAY-2010 23:15:38; Dark ; 42.0; 140; 88Gam Peg ; 2.83; 26000;occ; 84; 0;42869
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3; -124.0; 12-MAY-2010 23:34:59; Dark ; 46.5; 63; Bet Gru ; 2.15; 2800;occ; 93; 0;42869
4; -40.5; 12-MAY-2010 23:36:23; Dark ; 41.5; 31; Alp Gru ; 1.73; 15200;occ; 83; 0;42869
5; 294.9; 12-MAY-2010 23:41:58; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;42870
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7; 881.3; 12-MAY-2010 23:51:44; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;42870
8; 992.9; 12-MAY-2010 23:53:36; Dark ; 57.5; 25; 35Lam Sco ; 1.62; 28000;occ; 115; 0;42870
9; 1142.2; 12-MAY-2010 23:56:05; Dark ; 53.0; 75; 26Eps Sco ; 2.29; 4250;occ; 106; 0;42870
10; 1335.2; 12-MAY-2010 23:59:18; Dark ; 63.0; 16; 21Alp Sco ; 1.02; 3000;occ; 126; 0;42870
11; 1444.3; 13-MAY-2010 00:01:08; Dark ; 57.0; 80; 7Del Sco ; 2.32; 30000;occ; 114; 0;42870
12; 1609.8; 13-MAY-2010 00:03:53; Bright; 40.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 80; 0;42870
13; 1725.5; 13-MAY-2010 00:05:49; Bright; 40.5; 104; 27Bet Lib ; 2.61; 13100;occ; 81; 0;42870
14; 2061.4; 13-MAY-2010 00:11:25; Bright; 46.0; 102; 24Alp Ser ; 2.60; 4250;occ; 92; 0;42870
15; 2235.9; 13-MAY-2010 00:14:19; Bright; 39.5; 3; 16Alp Boo ;-0.05; 4250;occ; 79; 0;42870
16; 2392.3; 13-MAY-2010 00:16:55; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;42870
17; 2579.7; 13-MAY-2010 00:20:03; Bright; 39.0; 180; 27Gam Boo ; 3.04; 8000;occ; 78; 0;42870
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19; 3114.2; 13-MAY-2010 00:28:57; Bright; 44.0; 119; 14Eta Dra ; 2.73; 4700;occ; 88; 0;42870
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21; 3963.9; 13-MAY-2010 00:43:07; Bright; 54.0; 74; 11Bet Cas ; 2.27; 6600;occ; 108; 0;42870
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3; -39.8; 13-MAY-2010 01:16:59; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;42870
4; 295.2; 13-MAY-2010 01:22:34; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42871
5; 734.8; 13-MAY-2010 01:29:54; Dark ; 51.5; 141; Bet Ara ; 2.84; 4600;occ; 103; 0;42871
6; 881.8; 13-MAY-2010 01:32:21; Dark ; 52.5; 40; The Sco ; 1.86; 7100;occ; 105; 0;42871
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8; 1142.9; 13-MAY-2010 01:36:42; Dark ; 54.0; 75; 26Eps Sco ; 2.29; 4250;occ; 108; 0;42871
9; 1335.8; 13-MAY-2010 01:39:55; Dark ; 58.5; 16; 21Alp Sco ; 1.02; 3000;occ; 117; 0;42871
10; 1444.3; 13-MAY-2010 01:41:43; Dark ; 62.0; 80; 7Del Sco ; 2.32; 30000;occ; 124; 0;42871
11; 1609.8; 13-MAY-2010 01:44:29; Bright; 39.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 79; 0;42871
12; 1725.4; 13-MAY-2010 01:46:24; Bright; 42.0; 104; 27Bet Lib ; 2.61; 13100;occ; 84; 0;42871
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14; 2235.7; 13-MAY-2010 01:54:55; Bright; 40.0; 3; 16Alp Boo ;-0.05; 4250;occ; 80; 0;42871
15; 2391.9; 13-MAY-2010 01:57:31; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42871
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19; 3767.9; 13-MAY-2010 02:20:27; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;42871
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22; 4751.2; 13-MAY-2010 02:36:50; Dark ; 42.5; 140; 88Gam Peg ; 2.83; 26000;occ; 85; 0;42871
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24; 5645.7; 13-MAY-2010 02:51:45; Dark ; 47.0; 18; 24Alp PsA ; 1.17; 9700;occ; 94; 0;42871
25; 5790.5; 13-MAY-2010 02:54:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42871
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28; 6332.0; 13-MAY-2010 03:03:11; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42872
29; 6771.6; 13-MAY-2010 03:10:31; Dark ; 46.5; 141; Bet Ara ; 2.84; 4600;occ; 93; 0;42872
30; 6918.1; 13-MAY-2010 03:12:57; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;42872

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 34; 7480.6; 13-MAY-2010 03:22:20; Dark ; 61.5; 80; 7Del Sco ; 2.32; 30000;occ; 123; 0;42872  
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11; 1014.7; 15-MAY-2010 05:33:08; Dark ; 54.0; 25; 35Lam Sco ; 1.62; 28000;occ; 108; 0;42902
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16; 1859.9; 15-MAY-2010 05:47:13; Bright; 50.5; 120; 1Del Oph ; 2.73; 3200;occ; 101; 0;42902
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18; 2384.9; 15-MAY-2010 05:55:58; Bright; 42.5; 83; ; 2.38; 11000;occ; 85; 0;42902
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6; 2383.8; 15-MAY-2010 15:59:32; Bright; 38.0; 83; ; 2.38; 11000;occ; 76; 0;42908
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8; 3095.7; 15-MAY-2010 16:11:24; Bright; 43.5; 119; 14Eta Dra ; 2.73; 4700;occ; 87; 0;42908
9; 3752.0; 15-MAY-2010 16:22:20; Bright; 65.0; 89; 5Alp Cep ; 2.45; 8000;occ; 130; 0;42908
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13; 4858.1; 15-MAY-2010 16:40:46; Dark ; 54.0; 90; 54Alp Peg ; 2.49; 11000;occ; 108; 0;42908
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18; 6790.8; 15-MAY-2010 17:12:59; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;42909
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4; 1727.0; 15-MAY-2010 17:29:11; Bright; 39.5; 104; 27Bet Lib ; 2.61; 13100;occ; 79; 0;42909
5; 1858.3; 15-MAY-2010 17:31:23; Bright; 50.0; 120; 1Del Oph ; 2.73; 3200;occ; 100; 0;42909
6; 2049.0; 15-MAY-2010 17:34:33; Bright; 44.0; 102; 24Alp Ser ; 2.60; 4250;occ; 88; 0;42909
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8; 2571.9; 15-MAY-2010 17:43:16; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42909
9; 3095.2; 15-MAY-2010 17:52:00; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;42909
10; 3751.6; 15-MAY-2010 18:02:56; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;42909
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12; 4577.6; 15-MAY-2010 18:16:42; Dark ; 61.0; 93; 53Bet Peg ; 2.52; 3100;occ; 122; 0;42909
13; 4762.0; 15-MAY-2010 18:19:46; Dark ; 42.0; 140; 88Gam Peg ; 2.83; 26000;occ; 84; 0;42909
14; 4858.5; 15-MAY-2010 18:21:23; Dark ; 54.0; 90; 54Alp Peg ; 2.49; 11000;occ; 108; 0;42909
15; 5674.7; 15-MAY-2010 18:34:59; Dark ; 45.5; 18; 24Alp PsA ; 1.17; 9700;occ; 91; 0;42909
16; 5823.0; 15-MAY-2010 18:37:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42909
17; 6024.7; 15-MAY-2010 18:40:49; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;42909
18; 6358.8; 15-MAY-2010 18:46:23; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;42910
19; 6791.4; 15-MAY-2010 18:53:36; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;42910
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3; 1161.8; 15-MAY-2010 19:00:22; Dark ; 52.0; 75; 26Eps Sco ; 2.29; 4250;occ; 104; 0;42910
4; 1348.6; 15-MAY-2010 19:03:29; Dark ; 61.0; 16; 21Alp Sco ; 1.02; 3000;occ; 122; 0;42910
5; 1506.1; 15-MAY-2010 19:06:07; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;42910

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7; 1857.9; 15-MAY-2010 19:11:58; Bright; 50.0; 120; 1Del Oph ; 2.73; 3200;occ; 100; 0;42910  
8; 2048.6; 15-MAY-2010 19:15:09; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42910  
9; 2383.4; 15-MAY-2010 19:20:44; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;42910  
10; 2571.7; 15-MAY-2010 19:23:52; Bright; 38.5; 180; 27Gam Boo ; 3.04; 8000;occ; 77; 0;42910  
11; 3094.9; 15-MAY-2010 19:32:35; Bright; 42.5; 119; 14Eta Dra ; 2.73; 4700;occ; 85; 0;42910  
12; 3751.2; 15-MAY-2010 19:43:32; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;42910  
13; 3961.8; 15-MAY-2010 19:47:02; Bright; 55.0; 74; 11Bet Cas ; 2.27; 6600;occ; 110; 0;42910  
14; 4513.2; 15-MAY-2010 19:56:14; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;42910  
15; 4762.3; 15-MAY-2010 20:00:23; Dark ; 43.0; 140; 88Gam Peg ; 2.83; 26000;occ; 86; 0;42910  
16; 4859.0; 15-MAY-2010 20:01:59; Dark ; 54.5; 90; 54Alp Peg ; 2.49; 11000;occ; 109; 0;42910  
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18; 5823.8; 15-MAY-2010 20:18:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;42910  
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20; 6359.1; 15-MAY-2010 20:27:00; Dark ; 44.5; 45; Alp Pav ; 1.94; 26000;occ; 89; 0;42911  
21; 6791.7; 15-MAY-2010 20:34:12; Dark ; 45.5; 141; Bet Ara ; 2.84; 4600;occ; 91; 0;42911  
22; 6965.5; 15-MAY-2010 20:37:06; Dark ; 29.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 58; 0;42911  
23; 7056.7; 15-MAY-2010 20:38:37; Dark ; 17.0; 25; 35Lam Sco ; 1.62; 28000;occ; 34; 0;42911

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3; 1162.2; 15-MAY-2010 20:40:59; Dark ; 52.0; 75; 26Eps Sco ; 2.29; 4250;occ; 104; 0;42911  
4; 1349.0; 15-MAY-2010 20:44:05; Dark ; 56.5; 16; 21Alp Sco ; 1.02; 3000;occ; 113; 0;42911  
5; 1506.3; 15-MAY-2010 20:46:43; Bright; 45.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 91; 0;42911  
6; 1726.9; 15-MAY-2010 20:50:23; Bright; 41.0; 104; 27Bet Lib ; 2.61; 13100;occ; 82; 0;42911  
7; 1857.7; 15-MAY-2010 20:52:34; Bright; 50.5; 120; 1Del Oph ; 2.73; 3200;occ; 101; 0;42911  
8; 2048.5; 15-MAY-2010 20:55:45; Bright; 44.0; 102; 24Alp Ser ; 2.60; 4250;occ; 88; 0;42911  
9; 2383.4; 15-MAY-2010 21:01:20; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42911  
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11; 3094.2; 15-MAY-2010 21:13:11; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;42911  
12; 3750.7; 15-MAY-2010 21:24:07; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;42911  
13; 3961.6; 15-MAY-2010 21:27:38; Bright; 37.5; 74; 11Bet Cas ; 2.27; 6600;occ; 75; 0;42911  
14; 4513.5; 15-MAY-2010 21:36:50; Dark ; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;42911  
15; 4762.1; 15-MAY-2010 21:40:59; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;42911  
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4; 324.3; 15-MAY-2010 22:07:37; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;42912  
5; 756.4; 15-MAY-2010 22:14:49; Dark ; 51.0; 141; Bet Ara ; 2.84; 4600;occ; 102; 0;42912  
6; 930.6; 15-MAY-2010 22:17:43; Dark ; 30.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 60; 0;42912  
7; 1021.3; 15-MAY-2010 22:19:14; Dark ; 58.0; 25; 35Lam Sco ; 1.62; 28000;occ; 116; 0;42912  
8; 1162.9; 15-MAY-2010 22:21:35; Dark ; 53.0; 75; 26Eps Sco ; 2.29; 4250;occ; 106; 0;42912  
9; 1348.9; 15-MAY-2010 22:24:41; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;42912  
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12; 1857.4; 15-MAY-2010 22:33:10; Bright; 50.5; 120; 1Del Oph ; 2.73; 3200;occ; 101; 0;42912  
13; 2048.0; 15-MAY-2010 22:36:20; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42912  
14; 2382.9; 15-MAY-2010 22:41:55; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;42912  
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16; 3093.7; 15-MAY-2010 22:53:46; Bright; 61.0; 119; 14Eta Dra ; 2.73; 4700;occ; 122; 0;42912  
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20; 4762.6; 15-MAY-2010 23:21:35; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;42912  
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4; 324.4; 15-MAY-2010 23:48:13; Dark ; 51.0; 45; Alp Pav ; 1.94; 26000;occ; 102; 0;42913  
5; 756.8; 15-MAY-2010 23:55:25; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;42913  
6; 931.6; 15-MAY-2010 23:58:20; Dark ; 30.0; 38; 20Eps Sgr ; 1.84; 11000;occ; 60; 0;42913  
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8; 1163.1; 16-MAY-2010 00:02:11; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;42913  
9; 1349.3; 16-MAY-2010 00:05:17; Dark ; 63.0; 16; 21Alp Sco ; 1.02; 3000;occ; 126; 0;42913  
10; 1506.5; 16-MAY-2010 00:07:55; Bright; 43.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 87; 0;42913



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 13; 2047.9; 16-MAY-2010 00:16:56; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42913  
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 15; 2570.9; 16-MAY-2010 00:25:39; Bright; 38.0; 180; 27Gam Boo ; 3.04; 8000;occ; 76; 0;42913  
 16; 3092.9; 16-MAY-2010 00:34:21; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;42913  
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 9; 1349.7; 16-MAY-2010 01:45:54; Dark ; 57.5; 16; 21Alp Sco ; 1.02; 3000;occ; 115; 0;42914  
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 11; 1727.1; 16-MAY-2010 01:52:11; Bright; 40.0; 104; 27Bet Lib ; 2.61; 13100;occ; 80; 0;42914  
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 13; 2047.7; 16-MAY-2010 01:57:32; Bright; 44.5; 102; 24Alp Ser ; 2.60; 4250;occ; 89; 0;42914  
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 16; 3092.7; 16-MAY-2010 02:14:57; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;42914  
 17; 3749.4; 16-MAY-2010 02:25:53; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;42914  
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 21; 4861.5; 16-MAY-2010 02:44:25; Dark ; 56.0; 90; 54Alp Peg ; 2.49; 11000;occ; 112; 0;42914  
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2; 2030.1; 21-MAY-2010 07:42:09; Bright; 42.5; 102; 24Alp Ser ; 2.60; 4250;occ; 85; 0;42989
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9; 4526.9; 21-MAY-2010 08:23:45; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;42989
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 16; 6830.3; 21-MAY-2010 09:02:09; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;42990  
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 6; 3059.1; 21-MAY-2010 09:39:54; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;42990  
 7; 3175.2; 21-MAY-2010 09:41:50; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;42990  
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 16; 6415.8; 21-MAY-2010 10:35:50; Dark ; 45.0; 45; Alp Pav ; 1.94; 26000;occ; 90; 0;42991  
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 21; 7408.3; 21-MAY-2010 10:52:23; Dark ; 54.0; 16; 21Alp Sco ; 1.02; 3000;occ; 108; 0;42991  
 22; 7555.5; 21-MAY-2010 10:54:50; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;42991

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 3; 2029.8; 21-MAY-2010 11:03:20; Bright; 41.0; 102; 24Alp Ser ; 2.60; 4250;occ; 82; 0;42991  
 4; 2372.4; 21-MAY-2010 11:09:03; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;42991  
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 6; 3058.7; 21-MAY-2010 11:20:29; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;42991  
 7; 3175.0; 21-MAY-2010 11:22:25; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;42991  
 8; 3937.4; 21-MAY-2010 11:35:08; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;42991  
 9; 4010.0; 21-MAY-2010 11:36:20; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;42991  
 10; 4526.9; 21-MAY-2010 11:44:57; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;42991  
 11; 4788.1; 21-MAY-2010 11:49:18; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;42991  
 12; 5745.9; 21-MAY-2010 12:05:16; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;42991  
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 16; 6416.3; 21-MAY-2010 12:16:27; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;42992  
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 18; 6994.6; 21-MAY-2010 12:26:05; Dark ; 47.0; 40; The Sco ; 1.86; 7100;occ; 94; 0;42992  
 19; 7105.4; 21-MAY-2010 12:27:56; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;42992  
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 21; 7408.7; 21-MAY-2010 12:32:59; Dark ; 51.5; 16; 21Alp Sco ; 1.02; 3000;occ; 103; 0;42992  
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 3; 2029.8; 21-MAY-2010 12:43:56; Bright; 41.0; 102; 24Alp Ser ; 2.60; 4250;occ; 82; 0;42992  
 4; 2372.5; 21-MAY-2010 12:49:39; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;42992  
 5; 2561.9; 21-MAY-2010 12:52:48; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;42992  
 6; 3174.7; 21-MAY-2010 13:03:01; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;42992  
 7; 3937.7; 21-MAY-2010 13:15:44; Bright; 53.0; 76; 27Gam Cas ; 2.30; 30000;occ; 106; 0;42992  
 8; 4009.8; 21-MAY-2010 13:16:56; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;42992  
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 10; 4788.2; 21-MAY-2010 13:29:54; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;42992

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13; 5993.0; 21-MAY-2010 13:49:59; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;42992
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16; 6831.6; 21-MAY-2010 14:03:58; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;42993
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 7; 3057.8; 21-MAY-2010 14:41:40; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;42993
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 9; 3937.6; 21-MAY-2010 14:56:20; Bright; 36.5; 76; 27Gam Cas ; 2.30; 30000;occ; 73; 0;42993
10; 4010.4; 21-MAY-2010 14:57:33; Bright; 39.5; 68; 18Alp Cas ; 2.22; 4500;occ; 79; 0;42993
11; 4527.4; 21-MAY-2010 15:06:09; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;42993
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 4; 1844.0; 21-MAY-2010 16:02:02; Bright; 41.0; 120; 1Del Oph ; 2.73; 3200;occ; 82; 0;42994
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 9; 388.1; 22-MAY-2010 06:43:10; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43003
10; 800.2; 22-MAY-2010 06:50:02; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;43003
11; 964.6; 22-MAY-2010 06:52:46; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;43003
12; 1075.8; 22-MAY-2010 06:54:37; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;43003
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 2; 1842.7; 22-MAY-2010 07:07:24; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43003
 3; 2027.8; 22-MAY-2010 07:10:29; Bright; 41.0; 102; 24Alp Ser ; 2.60; 4250;occ; 82; 0;43003
 4; 2371.3; 22-MAY-2010 07:16:13; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;43003
 5; 2561.0; 22-MAY-2010 07:19:23; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;43003
 6; 3053.9; 22-MAY-2010 07:27:35; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43003
 7; 3173.9; 22-MAY-2010 07:29:35; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;43003
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 9; 4009.7; 22-MAY-2010 07:43:31; Bright; 37.5; 68; 18Alp Cas ; 2.22; 4500;occ; 75; 0;43003
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11; 4791.9; 22-MAY-2010 07:56:33; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;43003
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 17; 6836.9; 22-MAY-2010 08:30:38; Dark ; 45.5; 141; Bet Ara ; 2.84; 4600;occ; 91; 0;43004  
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 22; 7557.4; 22-MAY-2010 08:42:39; Bright; 43.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 86; 0;43004  
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 4; 2371.1; 22-MAY-2010 08:56:49; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;43004  
 5; 2560.8; 22-MAY-2010 08:59:58; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;43004  
 6; 3053.6; 22-MAY-2010 09:08:11; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;43004  
 7; 3173.9; 22-MAY-2010 09:10:11; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43004  
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 12; 5757.9; 22-MAY-2010 09:53:15; Dark ; 54.5; 18; 24Alp PsA ; 1.17; 9700;occ; 109; 0;43004  
 13; 5912.8; 22-MAY-2010 09:55:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43004  
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 16; 6425.8; 22-MAY-2010 10:04:23; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43005  
 17; 6837.3; 22-MAY-2010 10:11:15; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;43005  
 18; 7001.9; 22-MAY-2010 10:13:59; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;43005  
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 3; 2027.4; 22-MAY-2010 10:31:41; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43005  
 4; 2371.1; 22-MAY-2010 10:37:24; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;43005  
 5; 2560.8; 22-MAY-2010 10:40:34; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;43005  
 6; 3053.1; 22-MAY-2010 10:48:46; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43005  
 7; 3173.9; 22-MAY-2010 10:50:47; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;43005  
 8; 3937.4; 22-MAY-2010 11:03:31; Bright; 53.5; 76; 27Gam Cas ; 2.30; 30000;occ; 107; 0;43005  
 9; 4009.9; 22-MAY-2010 11:04:43; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;43005  
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 11; 4792.9; 22-MAY-2010 11:17:46; Dark ; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;43005  
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 13; 5913.8; 22-MAY-2010 11:36:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43005  
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 15; 6086.7; 22-MAY-2010 11:39:20; Dark ; 48.5; 172; Gam Gru ; 3.00; 13100;occ; 97; 0;43006  
 16; 6426.4; 22-MAY-2010 11:45:00; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43006  
 17; 6837.5; 22-MAY-2010 11:51:51; Dark ; 43.5; 141; Bet Ara ; 2.84; 4600;occ; 87; 0;43006  
 18; 7002.4; 22-MAY-2010 11:54:36; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;43006  
 19; 7113.4; 22-MAY-2010 11:56:27; Dark ; 55.0; 25; 35Lam Sco ; 1.62; 28000;occ; 110; 0;43006  
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 3; 2027.3; 22-MAY-2010 12:12:16; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43006  
 4; 2371.0; 22-MAY-2010 12:18:00; Bright; 40.5; 83; ; 2.38; 11000;occ; 81; 0;43006  
 5; 2560.8; 22-MAY-2010 12:21:10; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;43006  
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 7; 3173.5; 22-MAY-2010 12:31:23; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;43006  
 8; 3937.2; 22-MAY-2010 12:44:06; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43006  
 9; 4009.4; 22-MAY-2010 12:45:19; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43006  
 10; 4529.8; 22-MAY-2010 12:53:59; Dark ; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;43006

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 3; 1842.1; 22-MAY-2010 13:49:47; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43007
 4; 2027.3; 22-MAY-2010 13:52:52; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;43007
 5; 2371.2; 22-MAY-2010 13:58:36; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;43007
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 9; 3937.1; 22-MAY-2010 14:24:42; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;43007
10; 4009.5; 22-MAY-2010 14:25:55; Bright; 52.0; 68; 18Alp Cas ; 2.22; 4500;occ; 104; 0;43007
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13; 4794.0; 22-MAY-2010 16:19:35; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43008
14; 5762.2; 22-MAY-2010 16:35:43; Dark ; 54.0; 18; 24Alp PsA ; 1.17; 9700;occ; 108; 0;43008
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6; 817.2; 24-MAY-2010 22:33:04; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;43041
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14; 1212.3; 24-MAY-2010 07:34:16; Dark ; 45.5; 75; 26Eps Sco ; 2.29; 4250;occ; 91; 0;43032
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13; 5785.9; 24-MAY-2010 08:50:29; Dark ; 53.5; 18; 24Alp PsA ; 1.17; 9700;occ; 107; 0;43032
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 5; 3171.3; 24-MAY-2010 13:08:42; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;43035  
 6; 3936.2; 24-MAY-2010 13:21:27; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43035  
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 9; 4534.8; 24-MAY-2010 13:31:26; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;43035  
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11; 5333.7; 24-MAY-2010 13:44:45; Dark ; 45.5; 52; 16Bet Cet ; 2.04; 4500;occ; 91; 0;43035  
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 13; 6024.8; 24-MAY-2010 13:56:16; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;43035  
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 15; 6447.5; 24-MAY-2010 14:03:18; Dark ; 46.5; 45; Alp Pav ; 1.94; 26000;occ; 93; 0;43036  
 16; 6851.0; 24-MAY-2010 14:10:02; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;43036  
 17; 7018.8; 24-MAY-2010 14:12:50; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;43036  
 18; 7129.0; 24-MAY-2010 14:14:40; Dark ; 51.0; 25; 35Lam Sco ; 1.62; 28000;occ; 102; 0;43036  
 19; 7249.8; 24-MAY-2010 14:16:41; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;43036  
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 4; 2022.9; 24-MAY-2010 14:30:10; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43036  
 5; 2369.5; 24-MAY-2010 14:35:56; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;43036  
 6; 3041.0; 24-MAY-2010 14:47:08; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43036  
 7; 3171.4; 24-MAY-2010 14:49:18; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;43036  
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 9; 4008.2; 24-MAY-2010 15:03:15; Bright; 43.5; 68; 18Alp Cas ; 2.22; 4500;occ; 87; 0;43036  
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 11; 4535.0; 24-MAY-2010 15:12:02; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;43036  
 12; 4804.7; 24-MAY-2010 15:16:32; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43036  
 13; 5334.2; 24-MAY-2010 15:25:21; Dark ; 49.5; 52; 16Bet Cet ; 2.04; 4500;occ; 99; 0;43036  
 14; 5862.2; 24-MAY-2010 15:34:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43036  
 15; 6025.6; 24-MAY-2010 15:36:52; Dark ; 60.0; 63; Bet Gru ; 2.15; 2800;occ; 120; 0;43036  
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 17; 6448.4; 24-MAY-2010 15:43:55; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;43037  
 18; 6851.5; 24-MAY-2010 15:50:38; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43037  
 19; 7019.5; 24-MAY-2010 15:53:26; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43037  
 20; 7129.7; 24-MAY-2010 15:55:17; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43037  
 21; 7250.3; 24-MAY-2010 15:57:17; Dark ; 48.0; 75; 26Eps Sco ; 2.29; 4250;occ; 96; 0;43037

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 3; 1735.3; 24-MAY-2010 16:05:58; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;43037  
 4; 1839.1; 24-MAY-2010 16:07:42; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43037  
 5; 2023.2; 24-MAY-2010 16:10:46; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;43037  
 6; 3040.4; 24-MAY-2010 16:27:43; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;43037  
 7; 3171.2; 24-MAY-2010 16:29:54; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;43037  
 8; 3936.3; 24-MAY-2010 16:42:39; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43037  
 9; 4008.0; 24-MAY-2010 16:43:51; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;43037  
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 11; 4535.0; 24-MAY-2010 16:52:38; Dark ; 49.5; 58; 21Alp And ; 2.07; 11000;occ; 99; 0;43037  
 12; 4804.7; 24-MAY-2010 16:57:08; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43037  
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 14; 5859.5; 24-MAY-2010 17:14:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43037  
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 16; 6128.7; 24-MAY-2010 17:19:12; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;43038  
 17; 6449.0; 24-MAY-2010 17:24:32; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43038  
 18; 6852.2; 24-MAY-2010 17:31:15; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;43038  
 19; 7019.9; 24-MAY-2010 17:34:03; Dark ; 49.0; 40; The Sco ; 1.86; 7100;occ; 98; 0;43038

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 3; 1214.6; 24-MAY-2010 17:37:53; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;43038  
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 5; 1527.2; 24-MAY-2010 17:43:06; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;43038  
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 7; 1839.1; 24-MAY-2010 17:48:18; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;43038  
 8; 2022.8; 24-MAY-2010 17:51:22; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43038  
 9; 2369.4; 24-MAY-2010 17:57:08; Bright; 40.0; 83; ; 2.38; 11000;occ; 80; 0;43038  
 10; 3040.1; 24-MAY-2010 18:08:19; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43038  
 11; 3171.1; 24-MAY-2010 18:10:30; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;43038  
 12; 3935.9; 24-MAY-2010 18:23:15; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43038  
 13; 4007.9; 24-MAY-2010 18:24:27; Bright; 53.0; 68; 18Alp Cas ; 2.22; 4500;occ; 106; 0;43038  
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16; 4805.2; 24-MAY-2010 18:37:44; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;43038
17; 5335.1; 24-MAY-2010 18:46:34; Dark ; 46.5; 52; 16Bet Cet ; 2.04; 4500;occ; 93; 0;43038
18; 5860.0; 24-MAY-2010 18:55:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43038
19; 6026.8; 24-MAY-2010 18:58:06; Dark ; 46.0; 63; Bet Gru ; 2.15; 2800;occ; 92; 0;43038
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21; 6450.0; 24-MAY-2010 19:05:09; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43039
22; 6852.5; 24-MAY-2010 19:11:51; Dark ; 47.0; 141; Bet Ara ; 2.84; 4600;occ; 94; 0;43039
23; 7020.6; 24-MAY-2010 19:14:39; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43039
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 3; 1214.8; 24-MAY-2010 19:18:30; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;43039
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 6; 1735.6; 24-MAY-2010 19:27:10; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;43039
 7; 1838.9; 24-MAY-2010 19:28:54; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;43039
 8; 2022.6; 24-MAY-2010 19:31:57; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43039
 9; 2369.6; 24-MAY-2010 19:37:44; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;43039
10; 3039.7; 24-MAY-2010 19:48:55; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;43039
11; 3171.2; 24-MAY-2010 19:51:06; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;43039
12; 3936.0; 24-MAY-2010 20:03:51; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;43039
13; 4007.8; 24-MAY-2010 20:05:03; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;43039
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15; 4535.6; 24-MAY-2010 20:13:50; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43039
16; 4805.2; 24-MAY-2010 20:18:20; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;43039
17; 5335.5; 24-MAY-2010 20:27:10; Dark ; 48.5; 52; 16Bet Cet ; 2.04; 4500;occ; 97; 0;43039
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19; 6027.6; 24-MAY-2010 20:38:42; Dark ; 56.5; 63; Bet Gru ; 2.15; 2800;occ; 113; 0;43039
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21; 6450.5; 24-MAY-2010 20:45:45; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43040
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 4; 96.7; 25-MAY-2010 01:42:15; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43043
 5; 416.4; 25-MAY-2010 01:47:35; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43043
 6; 818.1; 25-MAY-2010 01:54:16; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;43043
 7; 986.4; 25-MAY-2010 01:57:05; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;43043
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11; 1527.6; 25-MAY-2010 02:06:06; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;43043
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16; 3038.3; 25-MAY-2010 02:31:17; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;43043
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 9; 97.7; 25-MAY-2010 03:22:52; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;43044
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11; 818.6; 25-MAY-2010 03:34:53; Dark ; 47.5; 141; Bet Ara ; 2.84; 4600;occ; 95; 0;43044
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17; 1736.1; 25-MAY-2010 03:50:10; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;43044

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 3; 1529.3; 25-MAY-2010 17:11:31; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;43052  
 4; 1736.8; 25-MAY-2010 17:14:59; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;43052  
 5; 1838.1; 25-MAY-2010 17:16:40; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43052  
 6; 2021.4; 25-MAY-2010 17:19:43; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43052  
 7; 2385.8; 25-MAY-2010 17:25:48; Bright; 40.5; 67; 5Alp CrB ; 2.22; 11000;occ; 81; 0;43052  
 8; 3035.4; 25-MAY-2010 17:36:37; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43052  
 9; 3170.3; 25-MAY-2010 17:38:52; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;43052  
 10; 3935.4; 25-MAY-2010 17:51:37; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43052  
 11; 4007.4; 25-MAY-2010 17:52:49; Bright; 39.0; 68; 18Alp Cas ; 2.22; 4500;occ; 78; 0;43052  
 12; 4384.2; 25-MAY-2010 17:59:06; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43052  
 13; 4537.9; 25-MAY-2010 18:01:40; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43052  
 14; 4810.8; 25-MAY-2010 18:06:13; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;43052  
 15; 5342.1; 25-MAY-2010 18:15:04; Dark ; 47.0; 52; 16Bet Cet ; 2.04; 4500;occ; 94; 0;43052  
 16; 5868.0; 25-MAY-2010 18:23:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43052  
 17; 6038.0; 25-MAY-2010 18:26:40; Dark ; 46.5; 63; Bet Gru ; 2.15; 2800;occ; 93; 0;43052  
 18; 6141.8; 25-MAY-2010 18:28:24; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43053  
 19; 6459.8; 25-MAY-2010 18:33:42; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43053  
 20; 6858.6; 25-MAY-2010 18:40:20; Dark ; 45.5; 141; Bet Ara ; 2.84; 4600;occ; 91; 0;43053

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1; 992.0; 25-MAY-2010 18:43:10; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;43053  
 2; 1102.2; 25-MAY-2010 18:45:00; Dark ; 51.5; 25; 35Lam Sco ; 1.62; 28000;occ; 103; 0;43053  
 3; 1220.3; 25-MAY-2010 18:46:58; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;43053  
 4; 1388.6; 25-MAY-2010 18:49:46; Dark ; 54.0; 16; 21Alp Sco ; 1.02; 3000;occ; 108; 0;43053  
 5; 1529.5; 25-MAY-2010 18:52:07; Bright; 44.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 88; 0;43053  
 6; 1737.1; 25-MAY-2010 18:55:35; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43053

7; 1837.8; 25-MAY-2010 18:57:16; Bright; 44.5; 120; 1Del Oph ; 2.73; 3200;occ; 89; 0;43053  
8; 2020.8; 25-MAY-2010 19:00:19; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43053  
9; 2385.2; 25-MAY-2010 19:06:23; Bright; 40.5; 67; 5Alp CrB ; 2.22; 11000;occ; 81; 0;43053  
10; 3034.8; 25-MAY-2010 19:17:13; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;43053  
11; 3170.1; 25-MAY-2010 19:19:28; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;43053  
12; 3935.5; 25-MAY-2010 19:32:13; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43053  
13; 4007.0; 25-MAY-2010 19:33:25; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;43053  
14; 4384.7; 25-MAY-2010 19:39:42; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;43053  
15; 4538.1; 25-MAY-2010 19:42:16; Dark ; 51.5; 58; 21Alp And ; 2.07; 11000;occ; 103; 0;43053  
16; 4811.2; 25-MAY-2010 19:46:49; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;43053  
17; 5342.1; 25-MAY-2010 19:55:40; Dark ; 47.0; 52; 16Bet Cet ; 2.04; 4500;occ; 94; 0;43053  
18; 5868.5; 25-MAY-2010 20:04:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43053  
19; 6038.5; 25-MAY-2010 20:07:16; Dark ; 57.0; 63; Bet Gru ; 2.15; 2800;occ; 114; 0;43053  
20; 6142.8; 25-MAY-2010 20:09:01; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;43054  
21; 6460.1; 25-MAY-2010 20:14:18; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43054  
22; 6859.0; 25-MAY-2010 20:20:57; Dark ; 46.5; 141; Bet Ara ; 2.84; 4600;occ; 93; 0;43054

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1; -692.3; 26-MAY-2010 00:57:29; Dark ; 43.5; 52; 16Bet Cet ; 2.04; 4500;occ; 87; 0;43056  
2; -165.8; 26-MAY-2010 01:06:16; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43056  
3; 4.9; 26-MAY-2010 01:09:06; Dark ; 43.5; 63; Bet Gru ; 2.15; 2800;occ; 87; 0;43056  
4; 109.2; 26-MAY-2010 01:10:50; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43057  
5; 426.4; 26-MAY-2010 01:16:08; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;43057  
6; 824.2; 26-MAY-2010 01:22:46; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;43057  
7; 993.8; 26-MAY-2010 01:25:35; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43057  
8; 1103.7; 26-MAY-2010 01:27:25; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;43057  
9; 1221.6; 26-MAY-2010 01:29:23; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;43057  
10; 1349.8; 26-MAY-2010 01:31:31; Dark ; 44.5; 136; 23Tau Sco ; 2.82; 30000;occ; 89; 0;43057  
11; 1530.1; 26-MAY-2010 01:34:31; Bright; 39.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 79; 0;43057  
12; 1737.4; 26-MAY-2010 01:37:59; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;43057  
13; 1837.4; 26-MAY-2010 01:39:39; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43057  
14; 2020.5; 26-MAY-2010 01:42:42; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43057  
15; 2384.3; 26-MAY-2010 01:48:46; Bright; 39.0; 67; 5Alp CrB ; 2.22; 11000;occ; 78; 0;43057  
16; 3033.3; 26-MAY-2010 01:59:35; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43057  
17; 3169.6; 26-MAY-2010 02:01:51; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;43057  
18; 3935.2; 26-MAY-2010 02:14:36; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43057  
19; 4006.7; 26-MAY-2010 02:15:48; Bright; 54.5; 68; 18Alp Cas ; 2.22; 4500;occ; 109; 0;43057  
20; 4384.6; 26-MAY-2010 02:22:06; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43057  
21; 4538.9; 26-MAY-2010 02:24:40; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;43057  
22; 4812.8; 26-MAY-2010 02:29:14; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43057  
23; 5344.0; 26-MAY-2010 02:38:05; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;43057  
24; 5870.7; 26-MAY-2010 02:46:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43057  
25; 6041.5; 26-MAY-2010 02:49:43; Dark ; 49.5; 63; Bet Gru ; 2.15; 2800;occ; 99; 0;43057  
26; 6145.7; 26-MAY-2010 02:51:27; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43058  
27; 6462.9; 26-MAY-2010 02:56:44; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43058  
28; 6860.4; 26-MAY-2010 03:03:22; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;43058  
29; 7030.3; 26-MAY-2010 03:06:12; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43058  
30; 7140.2; 26-MAY-2010 03:08:02; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43058  
31; 7258.1; 26-MAY-2010 03:09:59; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;43058  
32; 7386.2; 26-MAY-2010 03:12:07; Dark ; 48.0; 136; 23Tau Sco ; 2.82; 30000;occ; 96; 0;43058  
33; 7566.0; 26-MAY-2010 03:15:07; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;43058  
34; 7773.2; 26-MAY-2010 03:18:35; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43058  
35; 8056.2; 26-MAY-2010 03:23:17; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43058  
36; 8419.9; 26-MAY-2010 03:29:21; Bright; 41.0; 67; 5Alp CrB ; 2.22; 11000;occ; 82; 0;43058

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1; 824.2; 26-MAY-2010 01:22:46; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;43057  
2; 993.8; 26-MAY-2010 01:25:35; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;43057  
3; 1103.7; 26-MAY-2010 01:27:25; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;43057  
4; 1221.6; 26-MAY-2010 01:29:23; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;43057  
5; 1349.8; 26-MAY-2010 01:31:31; Dark ; 44.5; 136; 23Tau Sco ; 2.82; 30000;occ; 89; 0;43057  
6; 1530.1; 26-MAY-2010 01:34:31; Bright; 39.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 79; 0;43057  
7; 1737.4; 26-MAY-2010 01:37:59; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;43057  
8; 1837.4; 26-MAY-2010 01:39:39; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;43057  
9; 2020.5; 26-MAY-2010 01:42:42; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43057  
10; 2384.3; 26-MAY-2010 01:48:46; Bright; 39.0; 67; 5Alp CrB ; 2.22; 11000;occ; 78; 0;43057  
11; 3033.3; 26-MAY-2010 01:59:35; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;43057  
12; 3169.6; 26-MAY-2010 02:01:51; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;43057  
13; 3935.2; 26-MAY-2010 02:14:36; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43057  
14; 4006.7; 26-MAY-2010 02:15:48; Bright; 54.5; 68; 18Alp Cas ; 2.22; 4500;occ; 109; 0;43057



15; 4384.6; 26-MAY-2010 02:22:06; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43057  
 16; 4538.9; 26-MAY-2010 02:24:40; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;43057  
 17; 4812.8; 26-MAY-2010 02:29:14; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;43057  
 18; 5344.0; 26-MAY-2010 02:38:05; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;43057  
 19; 5870.7; 26-MAY-2010 02:46:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43057  
 20; 6041.5; 26-MAY-2010 02:49:43; Dark ; 49.5; 63; Bet Gru ; 2.15; 2800;occ; 99; 0;43057  
 21; 6145.7; 26-MAY-2010 02:51:27; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43058  
 22; 6462.9; 26-MAY-2010 02:56:44; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43058  
 23; 6860.4; 26-MAY-2010 03:03:22; Dark ; 46.0; 141; Bet Ara ; 2.84; 4600;occ; 92; 0;43058  
 24; 7030.3; 26-MAY-2010 03:06:12; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43058  
 25; 7140.2; 26-MAY-2010 03:08:02; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43058  
 26; 7258.1; 26-MAY-2010 03:09:59; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;43058  
 27; 7386.2; 26-MAY-2010 03:12:07; Dark ; 48.0; 136; 23Tau Sco ; 2.82; 30000;occ; 96; 0;43058  
 28; 7566.0; 26-MAY-2010 03:15:07; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;43058  
 29; 7773.2; 26-MAY-2010 03:18:35; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;43058  
 30; 8056.2; 26-MAY-2010 03:23:17; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;43058  
 31; 8419.9; 26-MAY-2010 03:29:21; Bright; 11.5; 67; 5Alp CrB ; 2.22; 11000;occ; 23; 0;43058

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 2;-2866.3; 26-MAY-2010 03:42:27; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;43058  
 3;-2100.6; 26-MAY-2010 03:55:13; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;43058  
 4;-2029.2; 26-MAY-2010 03:56:24; Bright; 38.5; 68; 18Alp Cas ; 2.22; 4500;occ; 77; 0;43058  
 5;-1651.2; 26-MAY-2010 04:02:42; Bright; 40.0; 53; 43Bet And ; 2.05; 3300;occ; 80; 0;43058  
 6;-1497.0; 26-MAY-2010 04:05:16; Dark ; 52.5; 58; 21Alp And ; 2.07; 11000;occ; 105; 0;43058  
 7;-1222.9; 26-MAY-2010 04:09:50; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;43058  
 8; -691.4; 26-MAY-2010 04:18:42; Dark ; 45.0; 52; 16Bet Cet ; 2.04; 4500;occ; 90; 0;43058  
 9; -164.6; 26-MAY-2010 04:27:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43058  
 10; 6.5; 26-MAY-2010 04:30:20; Dark ; 55.5; 63; Bet Gru ; 2.15; 2800;occ; 111; 0;43058  
 11; 111.0; 26-MAY-2010 04:32:04; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;43059  
 12; 427.8; 26-MAY-2010 04:37:21; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43059  
 13; 825.3; 26-MAY-2010 04:43:59; Dark ; 45.0; 141; Bet Ara ; 2.84; 4600;occ; 90; 0;43059  
 14; 994.9; 26-MAY-2010 04:46:48; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;43059  
 15; 1105.0; 26-MAY-2010 04:48:38; Dark ; 50.0; 25; 35Lam Sco ; 1.62; 28000;occ; 100; 0;43059  
 16; 1222.4; 26-MAY-2010 04:50:36; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;43059  
 17; 1350.7; 26-MAY-2010 04:52:44; Dark ; 44.0; 136; 23Tau Sco ; 2.82; 30000;occ; 88; 0;43059  
 18; 1530.4; 26-MAY-2010 04:55:44; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;43059  
 19; 1737.3; 26-MAY-2010 04:59:11; Bright; 39.0; 104; 27Bet Lib ; 2.61; 13100;occ; 78; 0;43059  
 20; 2020.3; 26-MAY-2010 05:03:53; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;43059  
 21; 2384.0; 26-MAY-2010 05:09:57; Bright; 39.5; 67; 5Alp CrB ; 2.22; 11000;occ; 79; 0;43059  
 22; 3032.8; 26-MAY-2010 05:20:46; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;43059  
 23; 3169.7; 26-MAY-2010 05:23:03; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;43059

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 3;-1651.1; 26-MAY-2010 05:43:18; Bright; 40.0; 53; 43Bet And ; 2.05; 3300;occ; 80; 0;43059  
 4;-1496.7; 26-MAY-2010 05:45:52; Dark ; 51.5; 58; 21Alp And ; 2.07; 11000;occ; 103; 0;43059  
 5;-1222.6; 26-MAY-2010 05:50:27; Dark ; 49.0; 140; 88Gam Peg ; 2.83; 26000;occ; 98; 0;43059  
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 7; -164.0; 26-MAY-2010 06:08:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43059  
 8; 7.2; 26-MAY-2010 06:10:56; Dark ; 46.5; 63; Bet Gru ; 2.15; 2800;occ; 93; 0;43059  
 9; 111.4; 26-MAY-2010 06:12:41; Dark ; 46.5; 31; Alp Gru ; 1.73; 15200;occ; 93; 0;43060  
 10; 428.5; 26-MAY-2010 06:17:58; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43060  
 11; 825.5; 26-MAY-2010 06:24:35; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;43060  
 12; 995.3; 26-MAY-2010 06:27:25; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;43060  
 13; 1105.3; 26-MAY-2010 06:29:15; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;43060  
 14; 1222.5; 26-MAY-2010 06:31:12; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;43060  
 15; 1351.2; 26-MAY-2010 06:33:20; Dark ; 43.0; 136; 23Tau Sco ; 2.82; 30000;occ; 86; 0;43060  
 16; 1530.5; 26-MAY-2010 06:36:20; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;43060  
 17; 1737.3; 26-MAY-2010 06:39:46; Bright; 9.0; 104; 27Bet Lib ; 2.61; 13100;occ; 18; 0;43060  
 18; 2020.4; 26-MAY-2010 06:44:30; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;43060  
 19; 2383.6; 26-MAY-2010 06:50:33; Bright; 57.0; 67; 5Alp CrB ; 2.22; 11000;occ; 114; 0;43060  
 20; 3032.3; 26-MAY-2010 07:01:22; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;43060  
 21; 3169.7; 26-MAY-2010 07:03:39; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;43060

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 3;-1651.0; 26-MAY-2010 07:23:54; Bright; 40.0; 53; 43Bet And ; 2.05; 3300;occ; 80; 0;43060  
 4;-1496.7; 26-MAY-2010 07:26:28; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43060

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7; -163.4; 26-MAY-2010 07:48:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43060
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9; 112.6; 26-MAY-2010 07:53:18; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43061
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15; 1351.3; 26-MAY-2010 08:13:56; Dark ; 45.5; 136; 23Tau Sco ; 2.82; 30000;occ; 91; 0;43061
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5; 3169.2; 26-MAY-2010 08:44:14; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;43061
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3; 2382.7; 26-MAY-2010 11:52:20; Bright; 38.5; 67; 5Alp CrB ; 2.22; 11000;occ; 77; 0;43063
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6; 3935.0; 26-MAY-2010 12:18:12; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;43063
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8; 4385.7; 26-MAY-2010 12:25:43; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;43063
9; 4540.3; 26-MAY-2010 12:28:17; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;43063
10; 4815.9; 26-MAY-2010 12:32:53; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;43063

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 8; 3935.8; 26-MAY-2010 13:58:49; Bright; 39.0; 76; 27Gam Cas ; 2.30; 30000;occ; 78; 0;43064  
 9; 4007.3; 26-MAY-2010 14:00:00; Bright; 45.0; 68; 18Alp Cas ; 2.22; 4500;occ; 90; 0;43064  
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16; 4554.3; 31-MAY-2010 19:54:02; Dark ; 54.0; 58; 21Alp And ; 2.07; 11000;occ; 108; 0;43139

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17; 4849.1; 31-MAY-2010 19:58:57; Dark ; 53.0; 140; 88Gam Peg ; 2.83; 26000;occ; 106; 0;43139  
18; 5276.2; 31-MAY-2010 20:06:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43139  
19; 5388.5; 31-MAY-2010 20:07:56; Dark ; 49.0; 52; 16Bet Cet ; 2.04; 4500;occ; 98; 0;43139  
20; 5906.6; 31-MAY-2010 20:16:34; Dark ; 68.0; 18; 24Alp PsA ; 1.17; 9700;occ; 136; 0;43139  
21; 6108.1; 31-MAY-2010 20:19:56; Dark ; 54.0; 63; Bet Gru ; 2.15; 2800;occ; 108; 0;43140  
22; 6220.0; 31-MAY-2010 20:21:48; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;43140  
23; 6520.3; 31-MAY-2010 20:26:48; Dark ; 46.5; 45; Alp Pav ; 1.94; 26000;occ; 93; 0;43140  
24; 6968.5; 31-MAY-2010 20:34:16; Dark ; 39.5; 147; Alp Ara ; 2.88; 26000;occ; 79; 0;43140  
25; 7069.9; 31-MAY-2010 20:35:58; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43140  
/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDK20100531\_214641\_000012862089\_00501\_43140\_1537.N1  
1; -758.9; 31-MAY-2010 21:46:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43140  
2; -646.8; 31-MAY-2010 21:48:33; Dark ; 47.0; 52; 16Bet Cet ; 2.04; 4500;occ; 94; 0;43140  
3; -128.1; 31-MAY-2010 21:57:11; Dark ; 60.5; 18; 24Alp PsA ; 1.17; 9700;occ; 121; 0;43140  
4; 72.8; 31-MAY-2010 22:00:32; Dark ; 58.0; 63; Bet Gru ; 2.15; 2800;occ; 116; 0;43141  
5; 185.0; 31-MAY-2010 22:02:25; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;43141  
6; 484.7; 31-MAY-2010 22:07:24; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43141