

GOMOS Daily Report 14-JUN-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	17JUN2010 04:47:47
Data source version	GOMOS/5.00L04
Start time of products	14JUN2010 00:04:53
Stop time of products	14JUN2010 23:58:04
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)

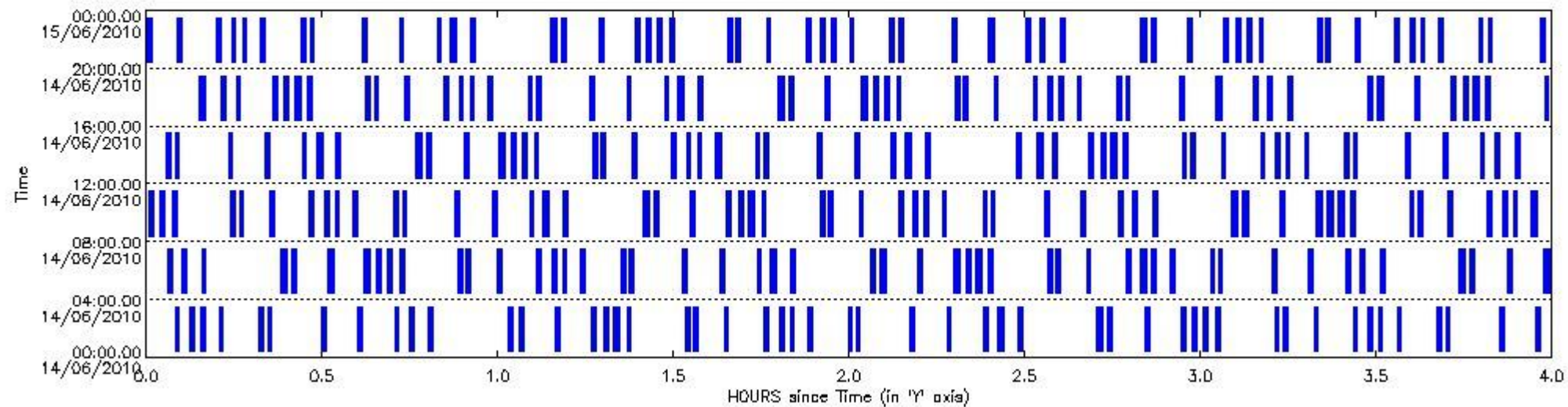
2.1 Level 0 products arrived in PCF (see template [here](#))

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

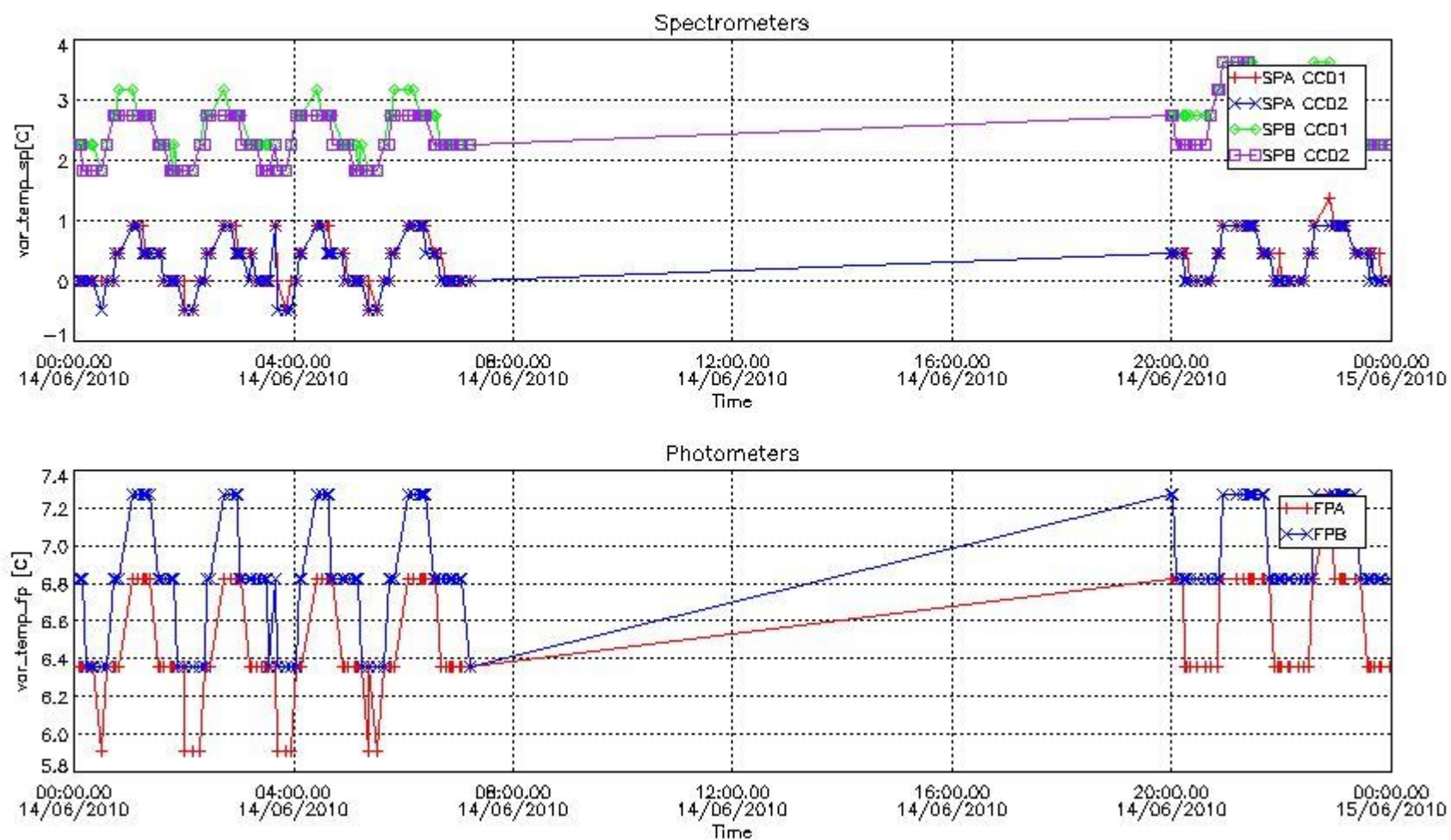
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20100614_000453_000000442090_00188_43328_8840.N1	14-JUN-2010 00:04:53	Bright	43.500	126	60Bet Oph	2.7700	4250.0	87	43328	No
2	GOM_TRA_1PNPDE20100614_000726_000000472090_00188_43328_8841.N1	14-JUN-2010 00:07:26	Bright	46.500	59	55Alp Oph	2.0800	8900.0	93	43328	No
3	GOM_TRA_1PNPDE20100614_000918_000000402090_00188_43328_8842.N1	14-JUN-2010 00:09:18	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	43328	No
4	GOM_TRA_1PNPDE20100614_001223_000000382090_00188_43328_8843.N1	14-JUN-2010 00:12:23	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	43328	No
5	GOM_TRA_1PNPDE20100614_001918_000000412090_00188_43328_8844.N1	14-JUN-2010 00:19:18	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	43328	No
6	GOM_TRA_1PNPDE20100614_002043_000000342090_00188_43328_8845.N1	14-JUN-2010 00:20:43	Bright	34.000	119	14Eta Dra	2.7270	4700.0	68	43328	No
7	GOM_TRA_1PNPDE20100614_002950_000000482090_00188_43328_8846.N1	14-JUN-2010 00:29:50	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43328	No
8	GOM_TRA_1PNPDE20100614_003605_000000452090_00188_43328_8847.N1	14-JUN-2010 00:36:05	Bright	44.500	74	11Bet Cas	2.2680	6600.0	89	43328	No
9	GOM_TRA_1PNPDE20100614_004226_000000412090_00188_43328_8848.N1	14-JUN-2010 00:42:26	Bright	40.500	73	57Gam1And	2.2600	13100.	81	43328	No
10	GOM_TRA_1PNPDE20100614_004447_000000572090_00188_43328_8849.N1	14-JUN-2010 00:44:47	Twilight	56.500	53	43Bet And	2.0480	3300.0	113	43328	No
11	GOM_TRA_1PNPDE20100614_004812_000000482090_00188_43328_8850.N1	14-JUN-2010 00:48:12	Twilight	48.000	50	13Alp Ari	2.0070	4250.0	96	43328	No
12	GOM_TRA_1PNPDE20100614_010332_000000532090_00188_43328_8865.N1	14-JUN-2010 01:03:32	Dark	53.000	52	16Bet Cet	2.0370	4500.0	106	43328	No

13	GOM_TRA_1PNPDE20100614_010951_000000502090_00188_43328_8866.N1	14-JUN-2010 01:09:51	Dark	50.000	84	Alp Phe	2.3970	4500.0	100	43328	No
14	GOM_TRA_1PNPDE20100614_011559_000000522090_00189_43329_8867.N1	14-JUN-2010 01:15:59	Dark	52.000	63	Bet Gru	2.1500	2800.0	104	43329	No
15	GOM_TRA_1PNPDE20100614_011801_000000482090_00189_43329_8868.N1	14-JUN-2010 01:18:01	Dark	47.500	31	Alp Gru	1.7340	15200.	95	43329	No
16	GOM_TRA_1PNPDE20100614_011946_000000562090_00189_43329_8869.N1	14-JUN-2010 01:19:46	Straylight	56.000	172	Gam Gru	3.0030	13100.	112	43329	No
17	GOM_TRA_1PNPDE20100614_012202_000000432090_00189_43329_8870.N1	14-JUN-2010 01:22:02	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	43329	No
18	GOM_TRA_1PNPDE20100614_013204_000000442090_00189_43329_8871.N1	14-JUN-2010 01:32:04	Twilight_and_stray	44.000	25	35Lam Sco	1.6200	28000.	88	43329	No
19	GOM_TRA_1PNPDE20100614_013326_000000512090_00189_43329_8872.N1	14-JUN-2010 01:33:26	Twilight_and_stray	50.500	167	10Gam2Sgr	2.9840	4500.0	101	43329	No
20	GOM_TRA_1PNPDE20100614_013844_000000402090_00189_43329_8873.N1	14-JUN-2010 01:38:44	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	43329	No
21	GOM_TRA_1PNPDE20100614_014529_000000442090_00189_43329_8874.N1	14-JUN-2010 01:45:29	Bright	44.000	126	60Bet Oph	2.7700	4250.0	88	43329	No
22	GOM_TRA_1PNPDE20100614_014802_000000472090_00189_43329_8875.N1	14-JUN-2010 01:48:02	Bright	46.500	59	55Alp Oph	2.0800	8900.0	93	43329	No
23	GOM_TRA_1PNPDE20100614_014954_000000412090_00189_43329_8876.N1	14-JUN-2010 01:49:54	Bright	40.500	127	27Bet Her	2.7810	4700.0	81	43329	No
24	GOM_TRA_1PNPDE20100614_015259_000000402090_00189_43329_8877.N1	14-JUN-2010 01:52:59	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	43329	No
25	GOM_TRA_1PNPDE20100614_015953_000000402090_00189_43329_8878.N1	14-JUN-2010 01:59:53	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	43329	No
26	GOM_TRA_1PNPDE20100614_020119_000000342090_00189_43329_8879.N1	14-JUN-2010 02:01:19	Bright	34.000	119	14Eta Dra	2.7270	4700.0	68	43329	No
27	GOM_TRA_1PNPDE20100614_021026_000000492090_00189_43329_8880.N1	14-JUN-2010 02:10:26	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	43329	No
28	GOM_TRA_1PNPDE20100614_021641_000000452090_00189_43329_8881.N1	14-JUN-2010 02:16:41	Bright	45.000	74	11Bet Cas	2.2680	6600.0	90	43329	No
29	GOM_TRA_1PNPDE20100614_022302_000000402090_00189_43329_8882.N1	14-JUN-2010 02:23:02	Bright	40.000	73	57Gam1And	2.2600	13100.	80	43329	No
30	GOM_TRA_1PNPDE20100614_022523_000000642090_00189_43329_8883.N1	14-JUN-2010 02:25:23	Twilight_and_stray	64.000	53	43Bet And	2.0480	3300.0	128	43329	No
31	GOM_TRA_1PNPDE20100614_022848_000000492090_00189_43329_8884.N1	14-JUN-2010 02:28:48	Twilight	49.000	50	13Alp Ari	2.0070	4250.0	98	43329	No
32	GOM_TRA_1PNPDE20100614_024409_000000542090_00189_43329_8885.N1	14-JUN-2010 02:44:09	Dark	54.000	52	16Bet Cet	2.0370	4500.0	108	43329	No
33	GOM_TRA_1PNPDE20100614_025028_000000472090_00189_43329_8886.N1	14-JUN-2010 02:50:28	Dark	46.500	84	Alp Phe	2.3970	4500.0	93	43329	No
34	GOM_TRA_1PNPDE20100614_025635_000000472090_00190_43330_8887.N1	14-JUN-2010 02:56:35	Dark	47.000	63	Bet Gru	2.1500	2800.0	94	43330	No
35	GOM_TRA_1PNPDE20100614_025838_000000492090_00190_43330_8888.N1	14-JUN-2010 02:58:38	Dark	48.500	31	Alp Gru	1.7340	15200.	97	43330	No
36	GOM_TRA_1PNPDE20100614_030023_000000582090_00190_43330_8889.N1	14-JUN-2010 03:00:23	Straylight	57.500	172	Gam Gru	3.0030	13100.	115	43330	No
37	GOM_TRA_1PNPDE20100614_030239_000000422090_00190_43330_8890.N1	14-JUN-2010 03:02:39	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	43330	No
38	GOM_TRA_1PNPDE20100614_031240_000000452090_00190_43330_8891.N1	14-JUN-2010 03:12:40	Twilight_and_stray	44.500	25	35Lam Sco	1.6200	28000.	89	43330	No
39	GOM_TRA_1PNPDE20100614_031403_000000512090_00190_43330_8892.N1	14-JUN-2010 03:14:03	Twilight_and_stray	51.000	167	10Gam2Sgr	2.9840	4500.0	102	43330	No
40	GOM_TRA_1PNPDE20100614_031920_000000402090_00190_43330_8893.N1	14-JUN-2010 03:19:20	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	43330	No
41	GOM_TRA_1PNPDE20100614_032604_000000452090_00190_43330_8894.N1	14-JUN-2010 03:26:04	Bright	45.000	126	60Bet Oph	2.7700	4250.0	90	43330	No
42	GOM_TRA_1PNPDE20100614_032838_000000472090_00190_43330_8895.N1	14-JUN-2010 03:28:38	Bright	46.500	59	55Alp Oph	2.0800	8900.0	93	43330	No
43	GOM_TRA_1PNPDE20100614_033030_000000372090_00190_43330_8896.N1	14-JUN-2010 03:30:30	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	43330	No
44	GOM_TRA_1PNPDE20100614_033334_000000412090_00190_43330_8897.N1	14-JUN-2010 03:33:34	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	43330	No
45	GOM_TRA_1PNPDE20100614_034029_000000412090_00190_43330_8888.N1	14-JUN-2010 03:40:29	Bright	40.500	130	23Bet Dra	2.7990	5800.0	81	43330	Yes
46	GOM_TRA_1PNPDE20100614_034155_000000392090_00190_43330_8889.N1	14-JUN-2010 03:41:55	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	43330	No
47	GOM_TRA_1PNPDE20100614_035101_000000482090_00190_43330_8890.N1	14-JUN-2010 03:51:01	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	43330	No
48	GOM_TRA_1PNPDE20100614_035717_000000462090_00190_43330_8891.N1	14-JUN-2010 03:57:17	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	43330	No
49	GOM_TRA_1PNPDE20100614_040339_000000562090_00190_43330_8892.N1	14-JUN-2010 04:03:39	Bright	56.000	73	57Gam1And	2.2600	13100.	112	43330	No
50	GOM_TRA_1PNPDE20100614_040559_000000542090_00190_43330_8893.N1	14-JUN-2010 04:05:59	Twilight_and_stray	53.500	53	43Bet And	2.0480	3300.0	107	43330	No
51	GOM_TRA_1PNPDE20100614_040924_000000462090_00190_43330_8894.N1	14-JUN-2010 04:09:24	Twilight	45.500	50	13Alp Ari	2.0070	4250.0	91	43330	No
52	GOM_TRA_1PNPDE20100614_042445_000000552090_00190_43330_8895.N1	14-JUN-2010 04:24:45	Dark	55.000	52	16Bet Cet	2.0370	4500.0	110	43330	No
53	GOM_TRA_1PNPDE20100614_043105_000000502090_00190_43330_8896.N1	14-JUN-2010 04:31:05	Dark	50.000	84	Alp Phe	2.3970	4500.0	100	43330	No
54	GOM_TRA_1PNPDE20100614_043713_000000592090_00191_43331_8897.N1	14-JUN-2010 04:37:13	Dark	59.000	63	Bet Gru	2.1500	2800.0	118	43331	No
55	GOM_TRA_1PNPDE20100614_043915_000000482090_00191_43331_8898.N1	14-JUN-2010 04:39:15	Dark	47.500	31	Alp Gru	1.7340	15200.	95	43331	No
56	GOM_TRA_1PNPDE20100614_044101_000000562090_00191_43331_8899.N1	14-JUN-2010 04:41:01	Straylight	56.000	172	Gam Gru	3.0030	13100.	112	43331	No
57	GOM_TRA_1PNPDE20100614_044315_000000442090_00191_43331_8900.N1	14-JUN-2010 04:43:15	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	43331	No
58	GOM_TRA_1PNPDE20100614_045316_000000462090_00191_43331_8901.N1	14-JUN-2010 04:53:16	Twilight_and_stray	46.000	25	35Lam Sco	1.6200	28000.	92	43331	No
59	GOM_TRA_1PNPDE20100614_045439_000000492090_00191_43331_8902.N1	14-JUN-2010 04:54:39	Twilight_and_stray	49.000	167	10Gam2Sgr	2.9840	4500.0	98	43331	No
60	GOM_TRA_1PNPDE20100614_045956_000000402090_00191_43331_8903.N1	14-JUN-2010 04:59:56	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	43331	No
61	GOM_TRA_1PNPDE20100614_050640_000000462090_00191_43331_8904.N1	14-JUN-2010 05:06:40	Bright	45.500	126	60Bet Oph	2.7700	4250.0	91	43331	No
62	GOM_TRA_1PNPDE20100614_050913_000000442090_00191_43331_8905.N1	14-JUN-2010 05:09:13	Bright	43.500	59	55Alp Oph	2.0800	8900.0	87	43331	No
63	GOM_TRA_1PNPDE20100614_051105_000000372090_00191_43331_8906.N1	14-JUN-2010 05:11:05	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	43331	No
64	GOM_TRA_1PNPDE20100614_051410_000000412090_00191_43331_8907.N1	14-JUN-2010 05:14:10	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	43331	No
65	GOM_TRA_1PNPDE20100614_052105_000000422090_00191_43331_8908.N1	14-JUN-2010 05:21:05	Bright	41.500	130	23Bet Dra	2.7990	5800.0	83	43331	No
66	GOM_TRA_1PNPDE20100614_052231_000000382090_00191_43331_8909.N1	14-JUN-2010 05:22:31	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	43331	No
67	GOM_TRA_1PNPDE20100614_053136_000000482090_00191_43331_8910.N1	14-JUN-2010 05:31:36	Bright	48.000	89	5Alp Cep	2.4510	8000.0	96	43331	No
68	GOM_TRA_1PNPDE20100614_053752_000000452090_00191_43331_8920.N1	14-JUN-2010 05:37:52	Bright	45.000	74	11Bet Cas	2.2680	6600.0	90	43331	No
69	GOM_TRA_1PNPDE20100614_054415_000000402090_00191_43331_8921.N1	14-JUN-2010 05:44:15	Bright	40.000	73	57Gam1And	2.2600	13100.	80	43331	No
70	GOM_TRA_1PNPDE20100614_054635_000000552090_00191_43331_8922.N1	14-JUN-2010 05:46:35	Twilight_and_stray	55.000	53	43Bet And	2.0480	3300.0	110	43331	No
71	GOM_TRA_1PNPDE20100614_055000_000000482090_00191_43331_8923.N1	14-JUN-2010 05:50:00	Twilight	48.000	50	13Alp Ari	2.0070	4250.0	96	43331	No

72	GOM_TRA_1PNPDE20100614_060523_000000552090_00191_43331_8924.N1	14-JUN-2010 06:05:23	Dark	54.500	52	16Bet Cet	2.0370	4500.0	109	43331	No
73	GOM_TRA_1PNPDE20100614_061141_000000452090_00191_43331_8925.N1	14-JUN-2010 06:11:41	Dark	45.000	84	Alp Phe	2.3970	4500.0	90	43331	No
74	GOM_TRA_1PNPDE20100614_061750_000000622090_00192_43332_8926.N1	14-JUN-2010 06:17:50	Dark	62.000	63	Bet Gru	2.1500	2800.0	124	43332	No
75	GOM_TRA_1PNPDE20100614_061952_000000482090_00192_43332_8927.N1	14-JUN-2010 06:19:52	Dark	48.000	31	Alp Gru	1.7340	15200.	96	43332	No
76	GOM_TRA_1PNPDE20100614_062138_000000562090_00192_43332_8928.N1	14-JUN-2010 06:21:38	Straylight	55.500	172	Gam Gru	3.0030	13100.	111	43332	No
77	GOM_TRA_1PNPDE20100614_062352_000000452090_00192_43332_8929.N1	14-JUN-2010 06:23:52	Straylight	45.000	45	Alp Pav	1.9400	26000.	90	43332	No
78	GOM_TRA_1PNPDE20100614_063353_000000452090_00192_43332_8930.N1	14-JUN-2010 06:33:53	Twilight	44.500	25	35Lam Sco	1.6200	28000.	89	43332	No
79	GOM_TRA_1PNPDE20100614_063515_000000482090_00192_43332_8931.N1	14-JUN-2010 06:35:15	Twilight	47.500	167	10Gam2Sgr	2.9840	4500.0	95	43332	No
80	GOM_TRA_1PNPDE20100614_064032_000000422090_00192_43332_8932.N1	14-JUN-2010 06:40:32	Bright	41.500	86	35Eta Oph	2.4300	10200.	83	43332	No
81	GOM_TRA_1PNPDE20100614_064716_000000472090_00192_43332_8933.N1	14-JUN-2010 06:47:16	Bright	46.500	126	60Bet Oph	2.7700	4250.0	93	43332	No
82	GOM_TRA_1PNPDE20100614_064949_000000652090_00192_43332_8934.N1	14-JUN-2010 06:49:49	Bright	65.000	59	55Alp Oph	2.0800	8900.0	130	43332	No
83	GOM_TRA_1PNPDE20100614_065141_000000392090_00192_43332_8935.N1	14-JUN-2010 06:51:41	Bright	38.500	127	27Bet Her	2.7810	4700.0	77	43332	No
84	GOM_TRA_1PNPDE20100614_065446_000000562090_00192_43332_8936.N1	14-JUN-2010 06:54:46	Bright	56.000	133	40Zet Her	2.8070	6000.0	112	43332	No
85	GOM_TRA_1PNPDE20100614_070140_000000422090_00192_43332_8937.N1	14-JUN-2010 07:01:40	Bright	42.000	130	23Bet Dra	2.7990	5800.0	84	43332	No
86	GOM_TRA_1PNPDE20100614_070306_000000372090_00192_43332_8938.N1	14-JUN-2010 07:03:06	Bright	37.000	119	14Eta Dra	2.7270	4700.0	74	43332	No
87	GOM_TRA_1PNPDE20100614_071212_000000492090_00192_43332_8939.N1	14-JUN-2010 07:12:12	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	43332	No
88	GOM_TRA_1PNPDE20100614_195842_000000432090_00200_43340_9040.N1	14-JUN-2010 19:58:42	Twilight	43.000	25	35Lam Sco	1.6200	28000.	86	43340	No
89	GOM_TRA_1PNPDE20100614_200005_000000472090_00200_43340_9041.N1	14-JUN-2010 20:00:05	Twilight	47.000	167	10Gam2Sgr	2.9840	4500.0	94	43340	No
90	GOM_TRA_1PNPDE20100614_200521_000000412090_00200_43340_9042.N1	14-JUN-2010 20:05:21	Bright	41.000	86	35Eta Oph	2.4300	10200.	82	43340	No
91	GOM_TRA_1PNPDE20100614_201201_000000452090_00200_43340_9043.N1	14-JUN-2010 20:12:01	Bright	45.000	126	60Bet Oph	2.7700	4250.0	90	43340	No
92	GOM_TRA_1PNPDE20100614_201434_000000432090_00200_43340_9044.N1	14-JUN-2010 20:14:34	Bright	43.000	59	55Alp Oph	2.0800	8900.0	86	43340	No
93	GOM_TRA_1PNPDE20100614_201628_000000402090_00200_43340_9045.N1	14-JUN-2010 20:16:28	Bright	40.000	127	27Bet Her	2.7810	4700.0	80	43340	No
94	GOM_TRA_1PNPDE20100614_201932_000000382090_00200_43340_9046.N1	14-JUN-2010 20:19:32	Bright	38.000	133	40Zet Her	2.8070	6000.0	76	43340	No
95	GOM_TRA_1PNPDE20100614_202624_000000422090_00200_43340_9047.N1	14-JUN-2010 20:26:24	Bright	42.000	130	23Bet Dra	2.7990	5800.0	84	43340	No
96	GOM_TRA_1PNPDE20100614_202753_000000382090_00200_43340_9048.N1	14-JUN-2010 20:27:53	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	43340	No
97	GOM_TRA_1PNPDE20100614_203653_000000472090_00200_43340_9049.N1	14-JUN-2010 20:36:53	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	43340	No
98	GOM_TRA_1PNPDE20100614_204313_000000452090_00200_43340_9050.N1	14-JUN-2010 20:43:13	Bright	44.500	74	11Bet Cas	2.2680	6600.0	89	43340	No
99	GOM_TRA_1PNPDE20100614_204938_000000412090_00200_43340_9051.N1	14-JUN-2010 20:49:38	Bright	40.500	73	57Gam1And	2.2600	13100.	81	43340	No
100	GOM_TRA_1PNPDE20100614_205159_000000562090_00200_43340_9052.N1	14-JUN-2010 20:51:59	Twilight	55.500	53	43Bet And	2.0480	3300.0	111	43340	No
101	GOM_TRA_1PNPDE20100614_205526_000000482090_00200_43340_9053.N1	14-JUN-2010 20:55:26	Twilight	47.500	50	13Alp Ari	2.0070	4250.0	95	43340	No
102	GOM_TRA_1PNPDE20100614_211055_000000532090_00200_43340_9056.N1	14-JUN-2010 21:10:55	Dark	52.500	52	16Bet Cet	2.0370	4500.0	105	43340	No
103	GOM_TRA_1PNPDE20100614_211712_000000492090_00200_43340_9057.N1	14-JUN-2010 21:17:12	Dark	49.000	84	Alp Phe	2.3970	4500.0	98	43340	No
104	GOM_TRA_1PNPDE20100614_212321_000000512090_00201_43341_9058.N1	14-JUN-2010 21:23:21	Dark	50.500	63	Bet Gru	2.1500	2800.0	101	43341	No
105	GOM_TRA_1PNPDE20100614_212525_000000492090_00201_43341_9059.N1	14-JUN-2010 21:25:25	Dark	48.500	31	Alp Gru	1.7340	15200.	97	43341	No
106	GOM_TRA_1PNPDE20100614_212713_000000542090_00201_43341_9060.N1	14-JUN-2010 21:27:13	Straylight	54.000	172	Gam Gru	3.0030	13100.	108	43341	No
107	GOM_TRA_1PNPDE20100614_212921_000000432090_00201_43341_9061.N1	14-JUN-2010 21:29:21	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	43341	No
108	GOM_TRA_1PNPDE20100614_213919_000000432090_00201_43341_9062.N1	14-JUN-2010 21:39:19	Twilight	42.500	25	35Lam Sco	1.6200	28000.	85	43341	No
109	GOM_TRA_1PNPDE20100614_214041_000000502090_00201_43341_9063.N1	14-JUN-2010 21:40:41	Twilight	49.500	167	10Gam2Sgr	2.9840	4500.0	99	43341	No
110	GOM_TRA_1PNPDE20100614_214557_000000402090_00201_43341_9064.N1	14-JUN-2010 21:45:57	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	43341	No
111	GOM_TRA_1PNPDE20100614_215237_000000462090_00201_43341_9065.N1	14-JUN-2010 21:52:37	Bright	46.000	126	60Bet Oph	2.7700	4250.0	92	43341	No
112	GOM_TRA_1PNPDE20100614_215509_000000442090_00201_43341_9066.N1	14-JUN-2010 21:55:09	Bright	44.000	59	55Alp Oph	2.0800	8900.0	88	43341	No
113	GOM_TRA_1PNPDE20100614_215704_000000372090_00201_43341_9067.N1	14-JUN-2010 21:57:04	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	43341	No
114	GOM_TRA_1PNPDE20100614_220007_000000392090_00201_43341_9068.N1	14-JUN-2010 22:00:07	Bright	38.500	133	40Zet Her	2.8070	6000.0	77	43341	No
115	GOM_TRA_1PNPDE20100614_220700_000000412090_00201_43341_9069.N1	14-JUN-2010 22:07:00	Bright	41.000	130	23Bet Dra	2.7990	5800.0	82	43341	No
116	GOM_TRA_1PNPDE20100614_220829_000000542090_00201_43341_9070.N1	14-JUN-2010 22:08:29	Bright	54.000	119	14Eta Dra	2.7270	4700.0	108	43341	No
117	GOM_TRA_1PNPDE20100614_221729_000000472090_00201_43341_9071.N1	14-JUN-2010 22:17:29	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	43341	No
118	GOM_TRA_1PNPDE20100614_222349_000000642090_00201_43341_9072.N1	14-JUN-2010 22:23:49	Bright	64.000	74	11Bet Cas	2.2680	6600.0	128	43341	No
119	GOM_TRA_1PNPDE20100614_223014_000000412090_00201_43341_9073.N1	14-JUN-2010 22:30:14	Bright	40.500	73	57Gam1And	2.2600	13100.	81	43341	No
120	GOM_TRA_1PNPDE20100614_223235_000000552090_00201_43341_9074.N1	14-JUN-2010 22:32:35	Twilight	55.000	53	43Bet And	2.0480	3300.0	110	43341	No
121	GOM_TRA_1PNPDE20100614_223602_000000472090_00201_43341_9075.N1	14-JUN-2010 22:36:02	Twilight	47.000	50	13Alp Ari	2.0070	4250.0	94	43341	No
122	GOM_TRA_1PNPDE20100614_225131_000000612090_00201_43341_9077.N1	14-JUN-2010 22:51:31	Dark	60.500	52	16Bet Cet	2.0370	4500.0	121	43341	No
123	GOM_TRA_1PNPDE20100614_225748_000000452090_00201_43341_9078.N1	14-JUN-2010 22:57:48	Dark	45.000	84	Alp Phe	2.3970	4500.0	90	43341	No
124	GOM_TRA_1PNPDE20100614_230358_000000502090_00202_43342_9079.N1	14-JUN-2010 23:03:58	Dark	49.500	63	Bet Gru	2.1500	2800.0	99	43342	No
125	GOM_TRA_1PNPDE20100614_230601_000000502090_00202_43342_9080.N1	14-JUN-2010 23:06:01	Dark	49.500	31	Alp Gru	1.7340	15200.	99	43342	No
126	GOM_TRA_1PNPDE20100614_230751_000000532090_00202_43342_9081.N1	14-JUN-2010 23:07:51	Straylight	53.000	172	Gam Gru	3.0030	13100.	106	43342	No
127	GOM_TRA_1PNPDE20100614_230957_000000442090_00202_43342_9082.N1	14-JUN-2010 23:09:57	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	43342	No
128	GOM_TRA_1PNPDE20100614_231954_000000502090_00202_43342_9083.N1	14-JUN-2010 23:19:54	Twilight	49.500	25	35Lam Sco	1.6200	28000.	99	43342	No
129	GOM_TRA_1PNPDE20100614_232117_000000472090_00202_43342_9084.N1	14-JUN-2010 23:21:17	Twilight	46.500	167	10Gam2Sgr	2.9840	4500.0	93	43342	No
130	GOM_TRA_1PNPDE20100614_232633_000000412090_00202_43342_9085.N1	14-JUN-2010 23:26:33	Bright	40.500	86	35Eta Oph	2.4300	10200.	81	43342	No

131	GOM_TRA_1PNPDE20100614_233312_000000442090_00202_43342_9086.N1	14-JUN-2010 23:33:12	Bright	43.500	126	60Bet Oph	2.7700	4250.0	87	43342	No
132	GOM_TRA_1PNPDE20100614_233544_000000472090_00202_43342_9087.N1	14-JUN-2010 23:35:44	Bright	47.000	59	55Alp Oph	2.0800	8900.0	94	43342	No
133	GOM_TRA_1PNPDE20100614_233739_000000382090_00202_43342_9088.N1	14-JUN-2010 23:37:39	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	43342	No
134	GOM_TRA_1PNPDE20100614_234043_000000402090_00202_43342_9089.N1	14-JUN-2010 23:40:43	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	43342	No
135	GOM_TRA_1PNPDE20100614_234735_000000382090_00202_43342_9090.N1	14-JUN-2010 23:47:35	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	43342	No
136	GOM_TRA_1PNPDE20100614_234904_000000402090_00202_43342_9091.N1	14-JUN-2010 23:49:04	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	43342	No
137	GOM_TRA_1PNPDE20100614_235804_000000492090_00202_43342_9092.N1	14-JUN-2010 23:58:04	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	43342	No

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



4. Overview of dark signal processing per product

The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount its value measured on ground at the same temperature) and the "Random Telegraphic Signal" (abrupt change positive or negative of the CCD pixel signal, random in time, affecting only the DC part of the signal and not the photon generated signal).

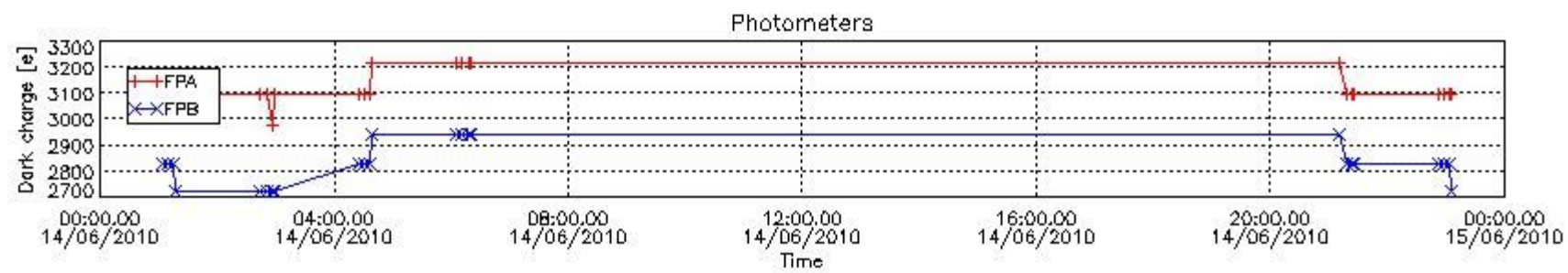
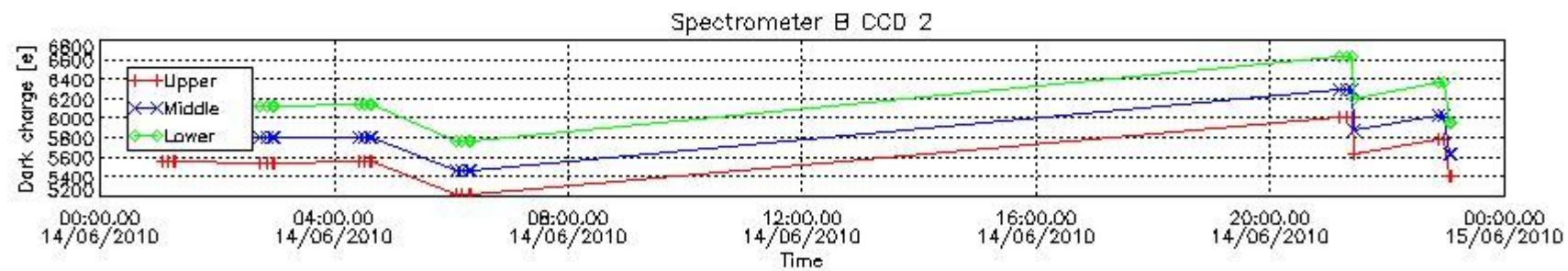
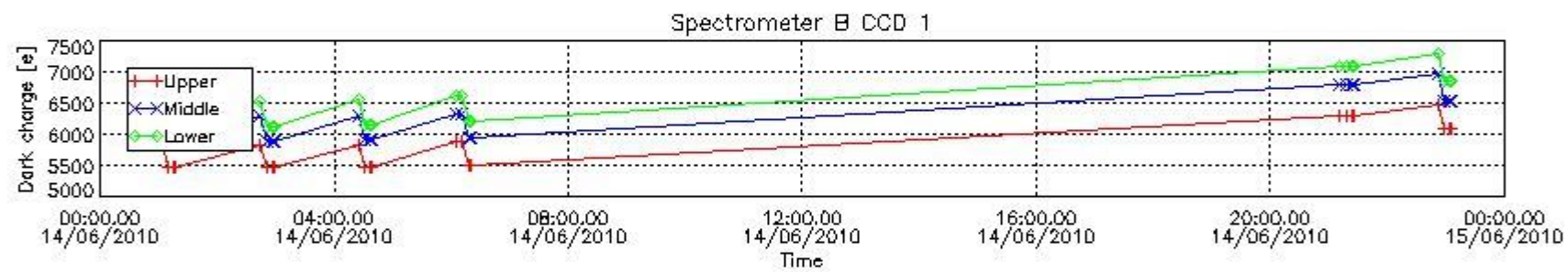
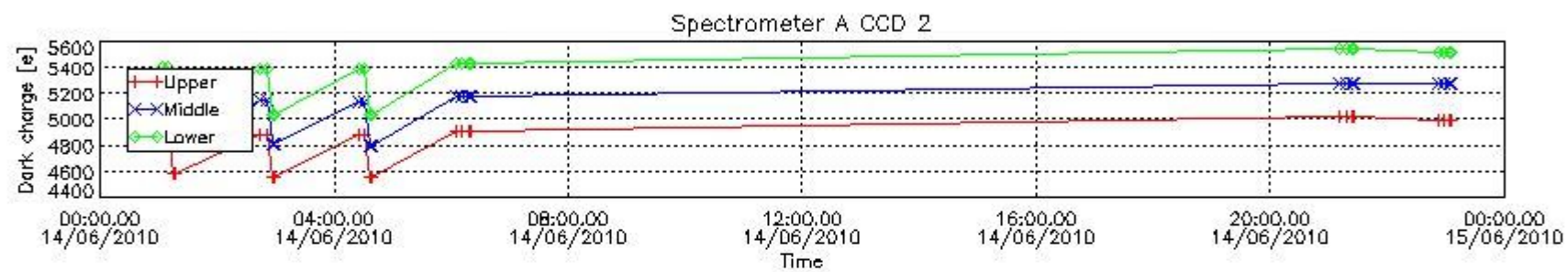
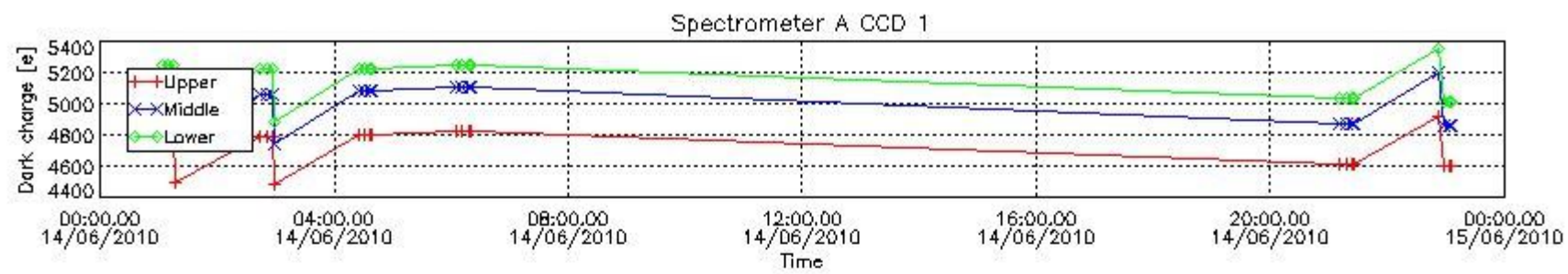
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20100614_195842_000000432090_00200_43340_9040.N1	DC map used
GOM_TRA_1PNPDE20100614_200005_000000472090_00200_43340_9041.N1	DC map used
GOM_TRA_1PNPDE20100614_200521_000000412090_00200_43340_9042.N1	DC map used

GOM_TRA_1PNPDE20100614_201201_000000452090_00200_43340_9043.N1	DC map used
GOM_TRA_1PNPDE20100614_201434_000000432090_00200_43340_9044.N1	DC map used
GOM_TRA_1PNPDE20100614_201628_000000402090_00200_43340_9045.N1	DC map used
GOM_TRA_1PNPDE20100614_201932_000000382090_00200_43340_9046.N1	DC map used
GOM_TRA_1PNPDE20100614_202624_000000422090_00200_43340_9047.N1	DC map used
GOM_TRA_1PNPDE20100614_202753_000000382090_00200_43340_9048.N1	DC map used
GOM_TRA_1PNPDE20100614_203653_000000472090_00200_43340_9049.N1	DC map used
GOM_TRA_1PNPDE20100614_204313_000000452090_00200_43340_9050.N1	DC map used
GOM_TRA_1PNPDE20100614_204938_000000412090_00200_43340_9051.N1	DC map used
GOM_TRA_1PNPDE20100614_205159_000000562090_00200_43340_9052.N1	DC map used
GOM_TRA_1PNPDE20100614_205526_000000482090_00200_43340_9053.N1	DC map used

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



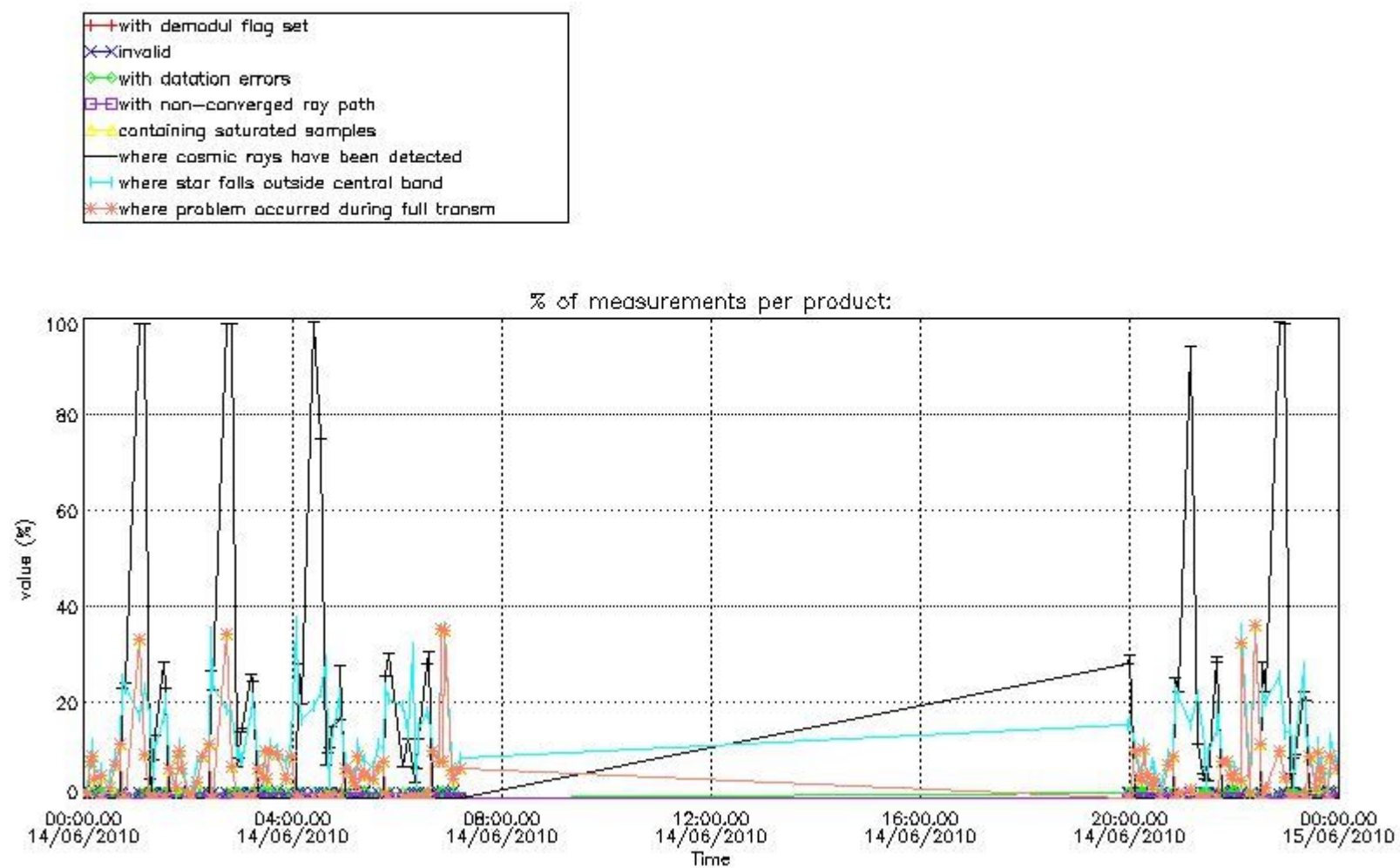
5. Demodulation flag and quality information monitoring

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.

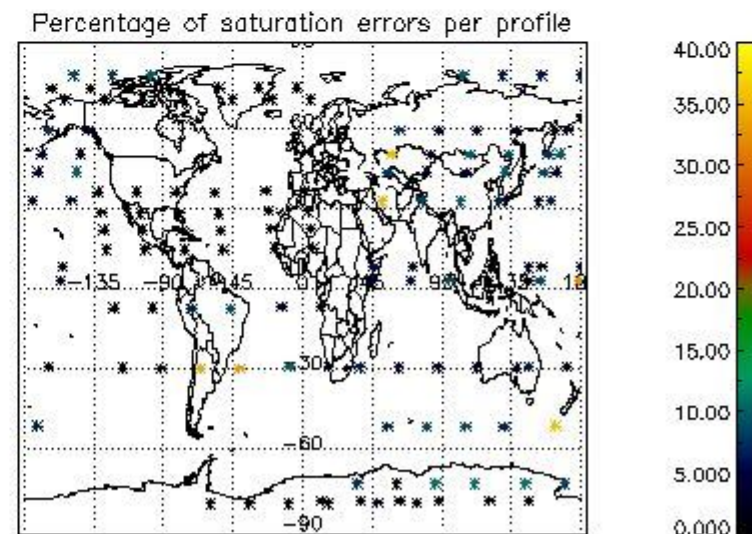
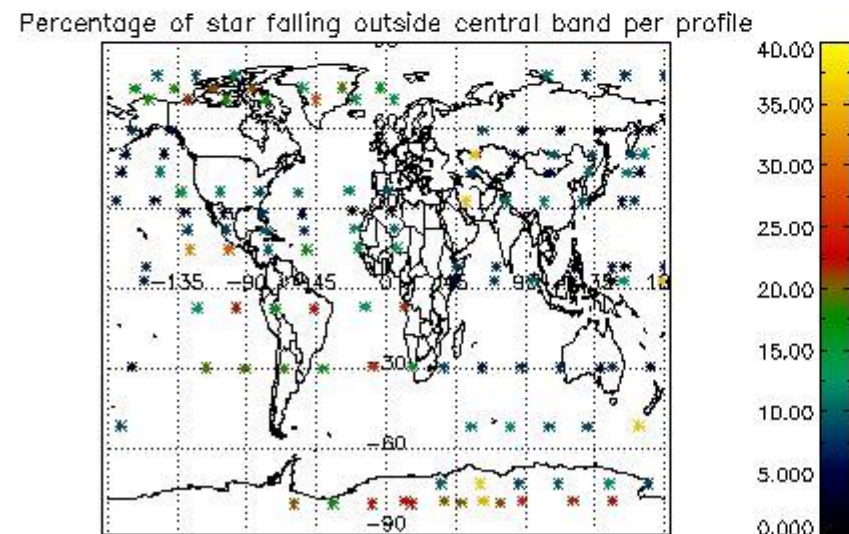
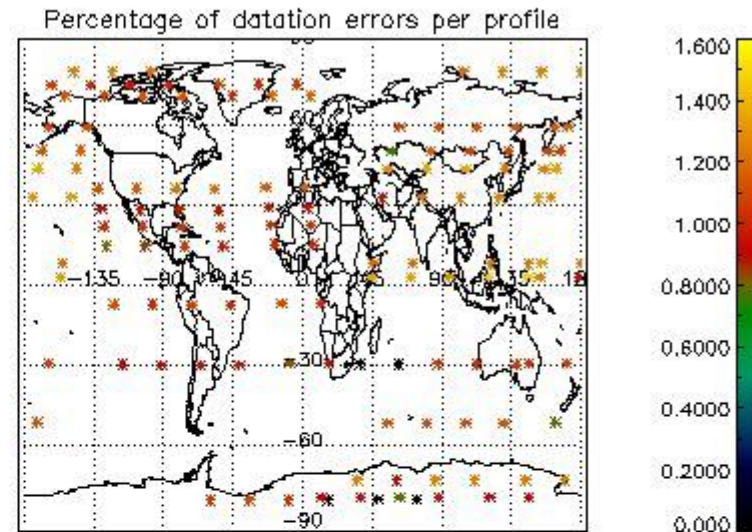
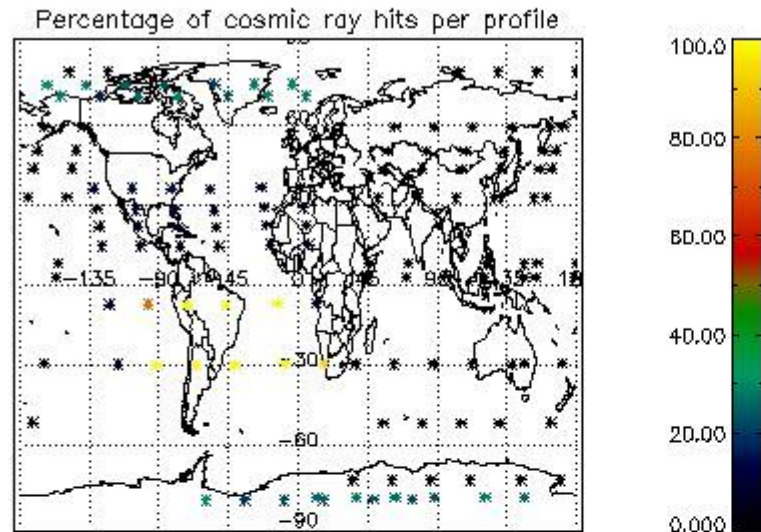
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	43.3824 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

5.2 Plot quality information per product (time dependant)



5.3 Plot quality information per product (world map)



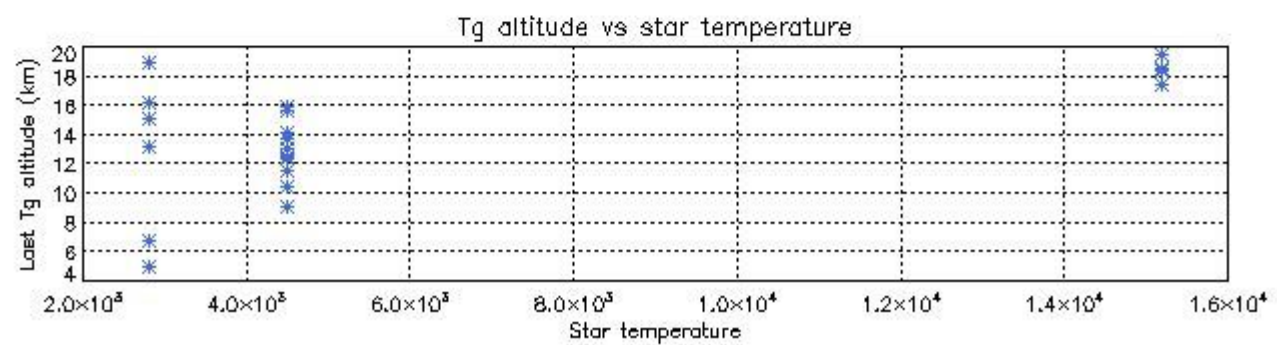
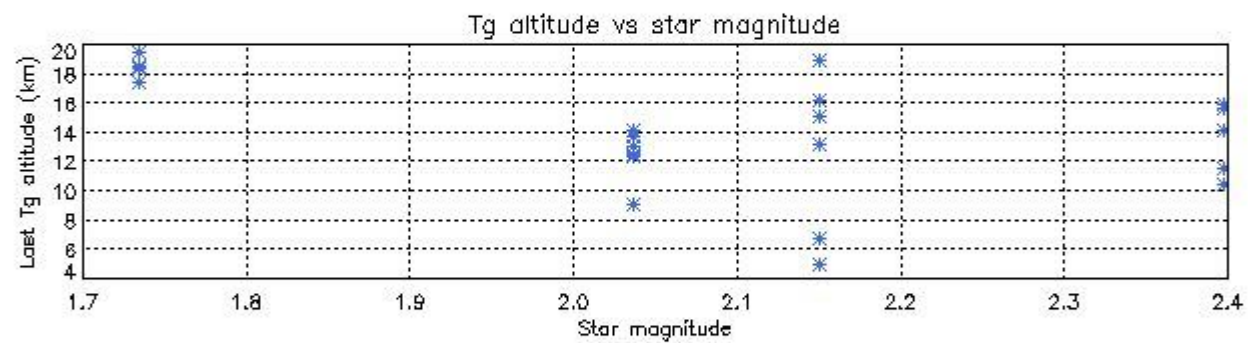
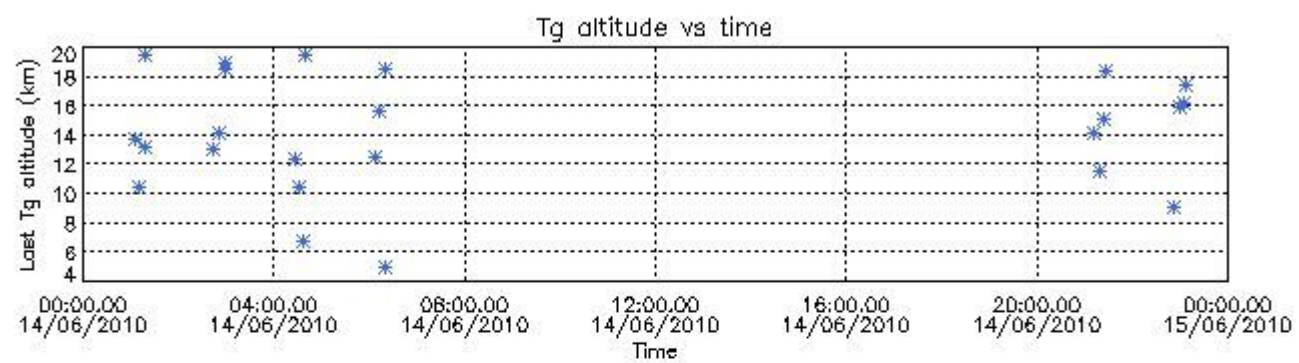
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.130	19.188	10.717
St. deviation:	3.9912	4.8304	0.88266
Maximum:	19.513	28.570	12.038
Minimum:	4.8984	3.4797	9.3793
Number of data:	24.000	74.000	6.0000

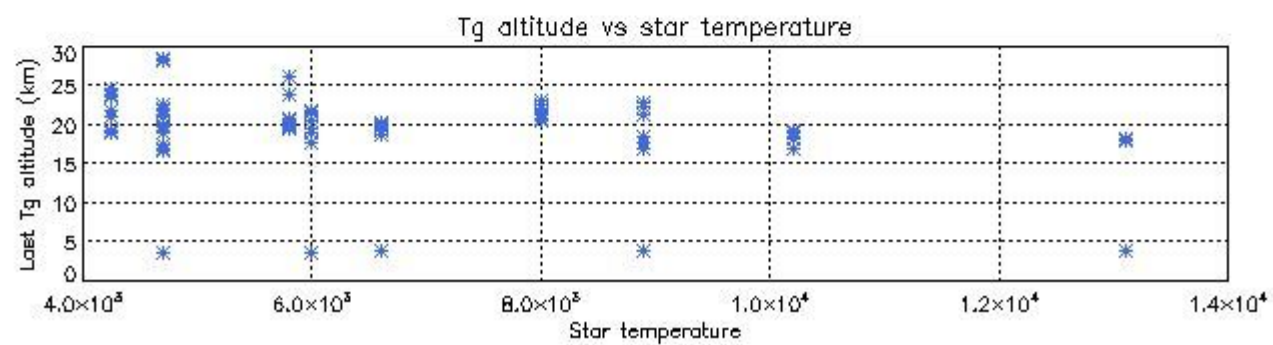
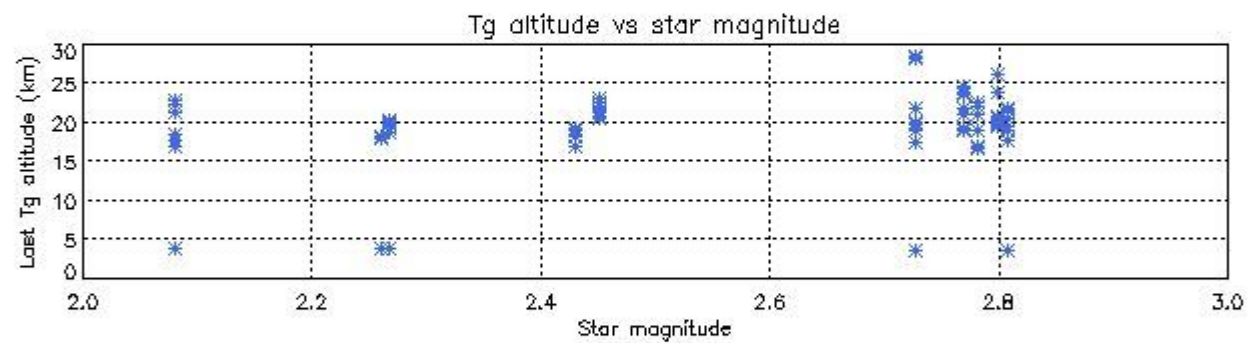
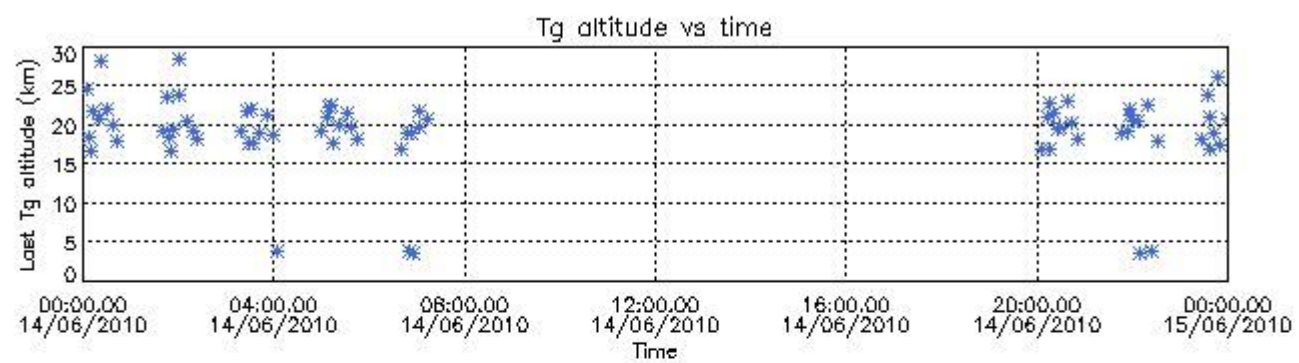
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



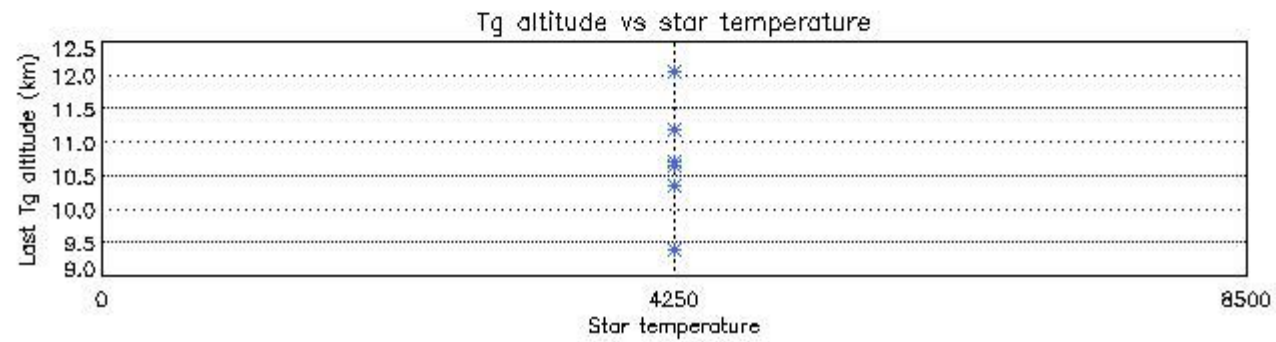
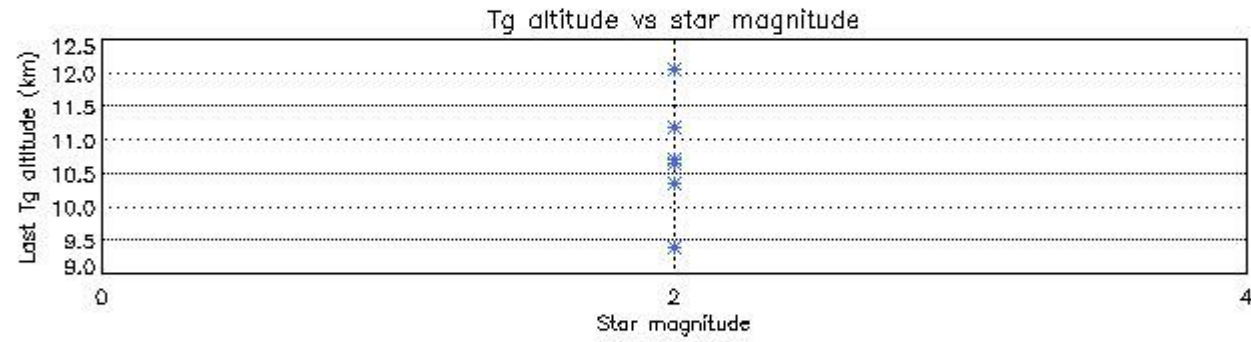
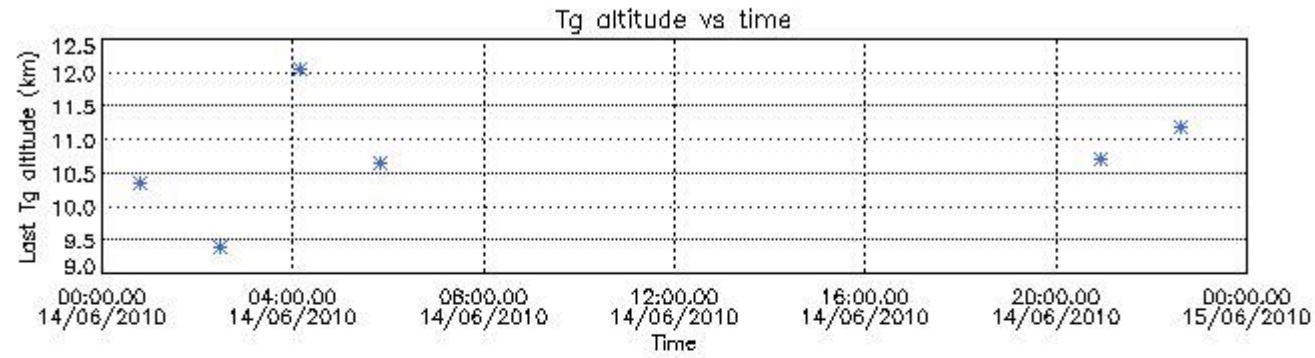
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

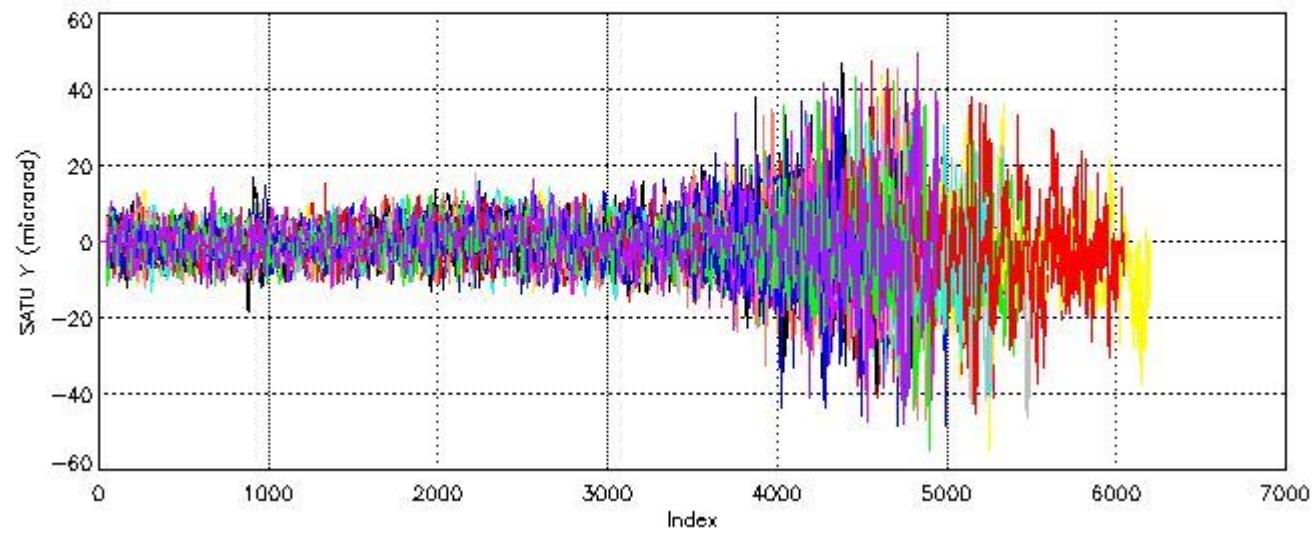
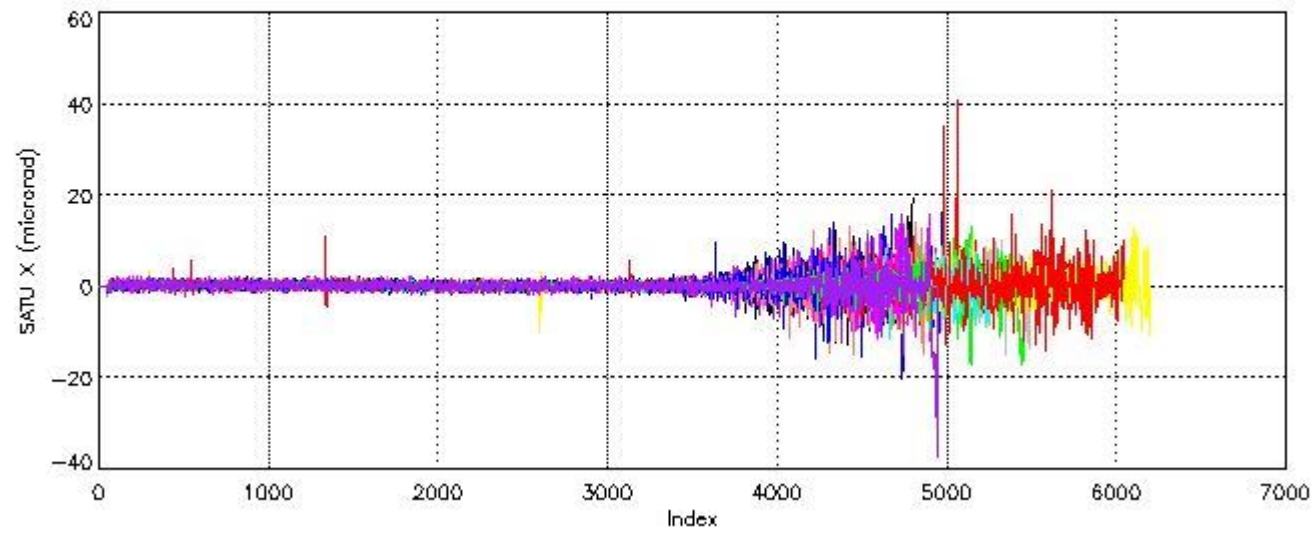


7. Star Acquisition and Tracking Unit (SATU)

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:	0.22225	-0.62784	0.20950	-0.67847
St. deviation:	0.39415	3.6848	0.78062	3.4828
Maximum:	5.5000	16.700	4.3000	13.400
Minimum:	-2.3000	-18.500	-3.8000	-17.400

Number of data:	26150.	26150.	74000.	74000.
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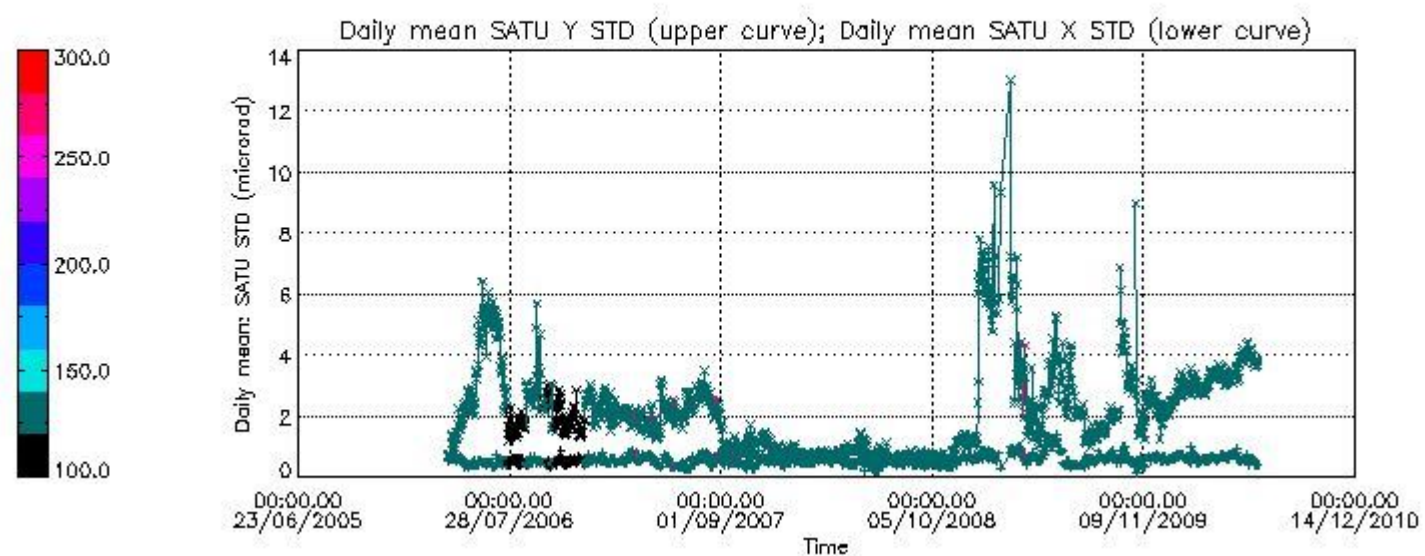
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

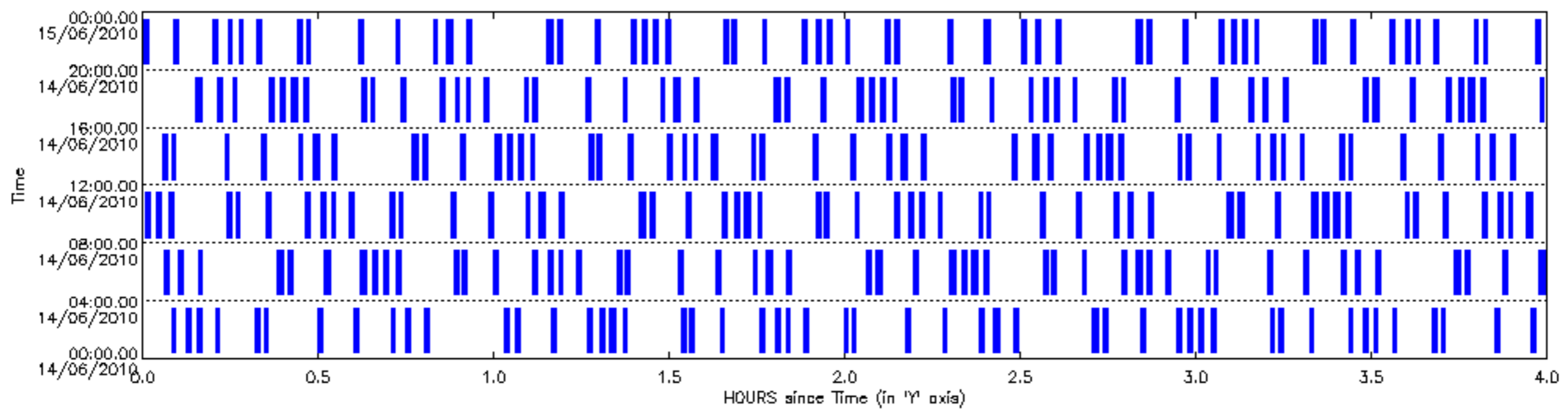
Lower curve: STD of SATU X axis

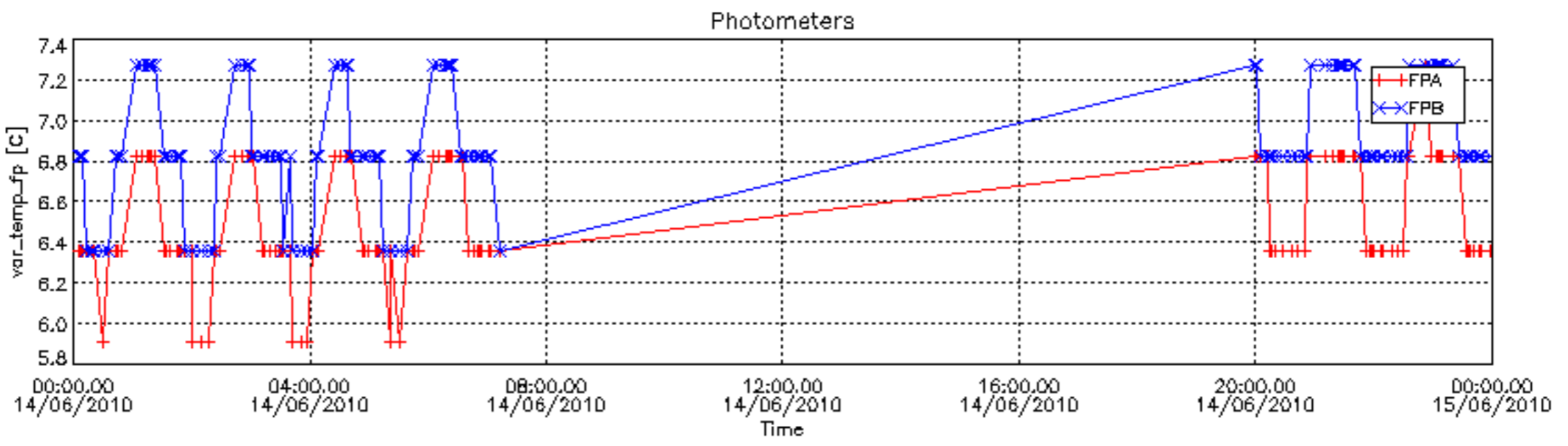
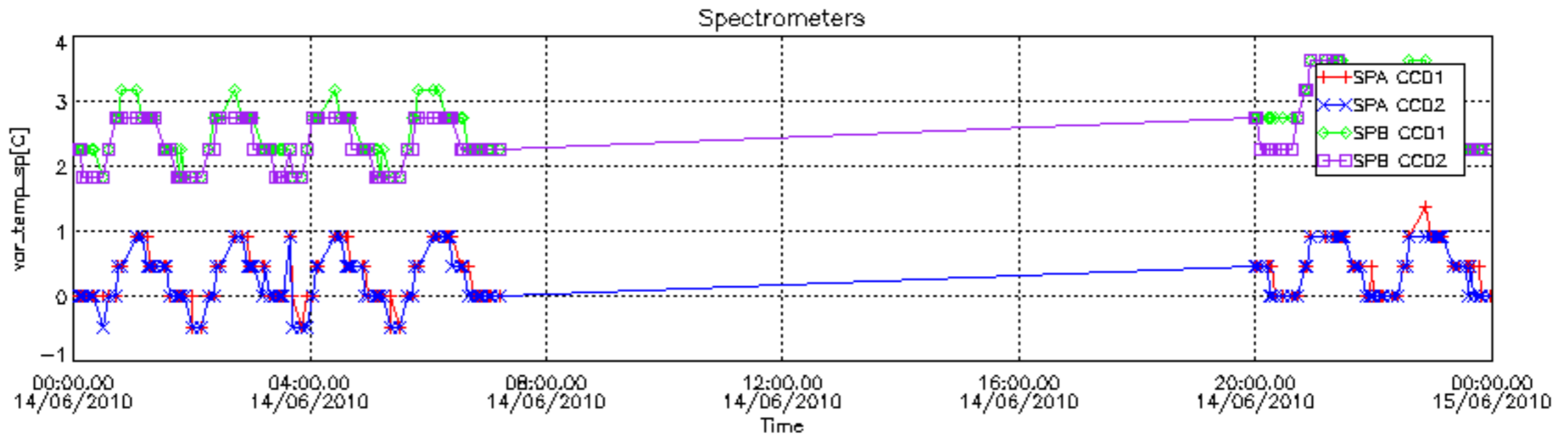


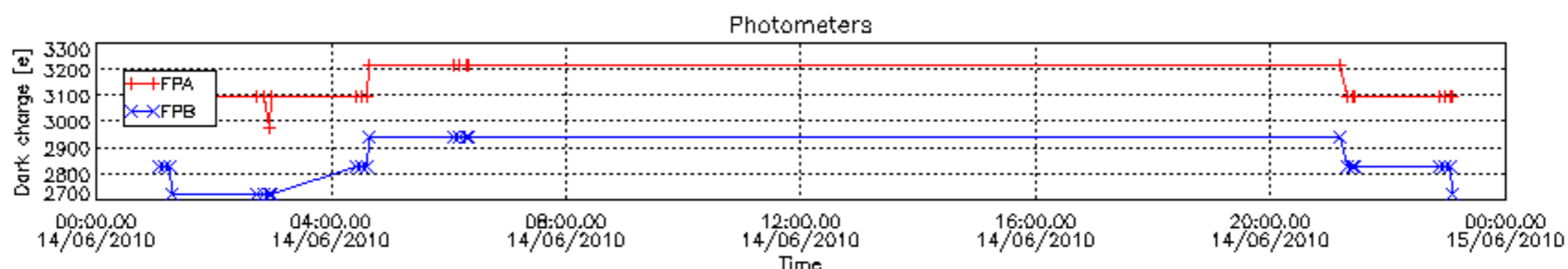
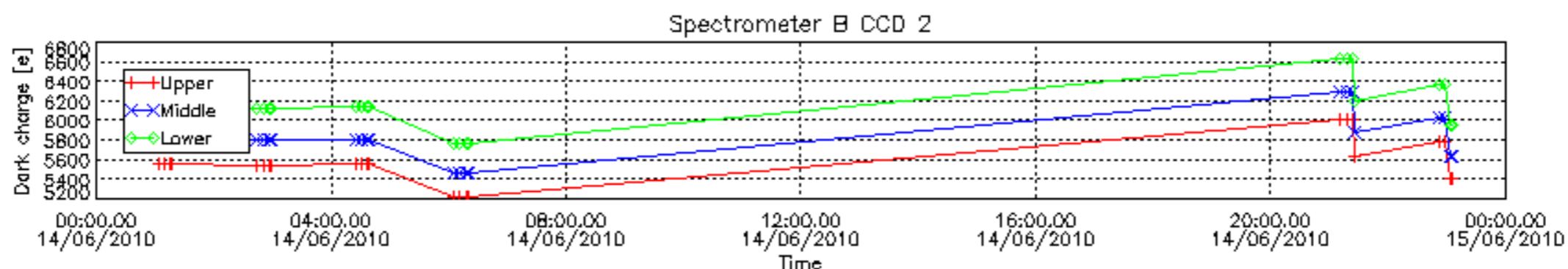
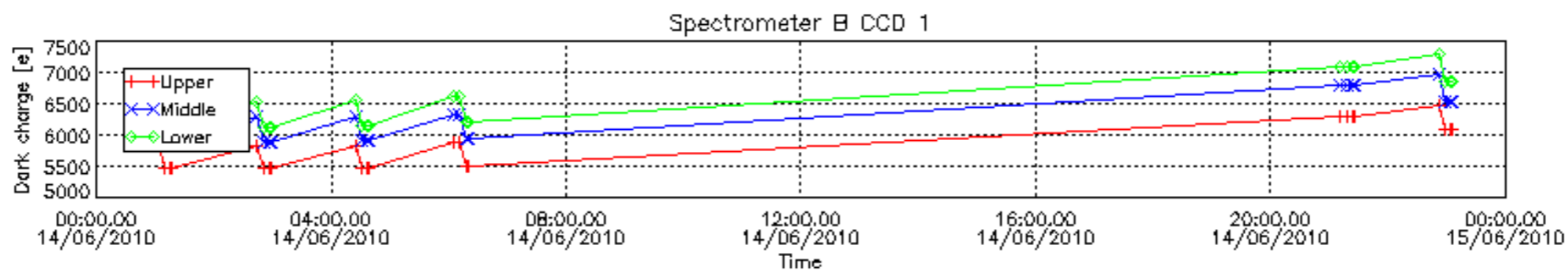
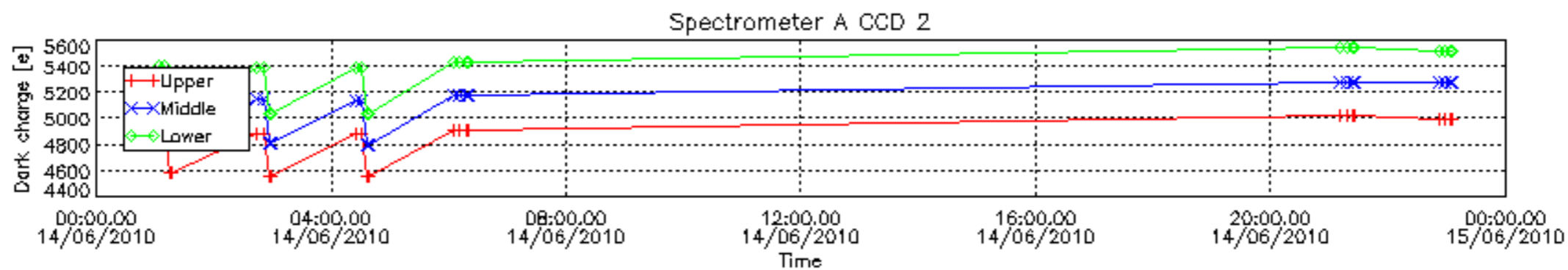
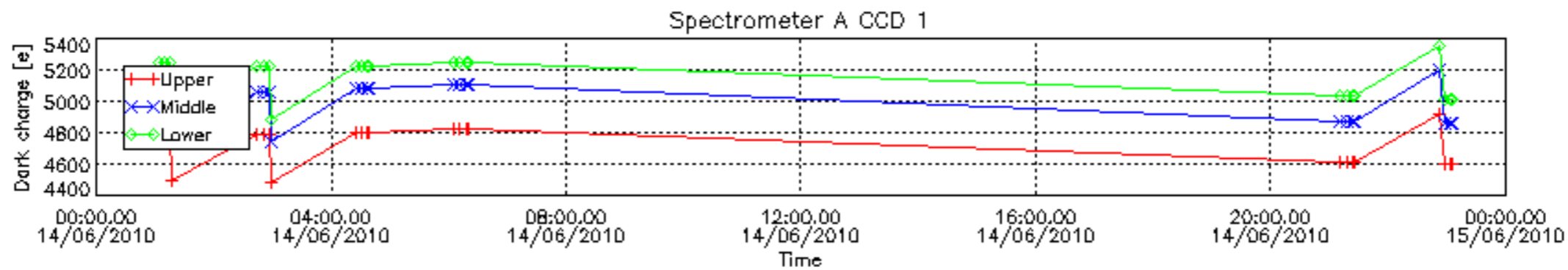
8. Auxiliary Data Files used for the production reported in section 2.4

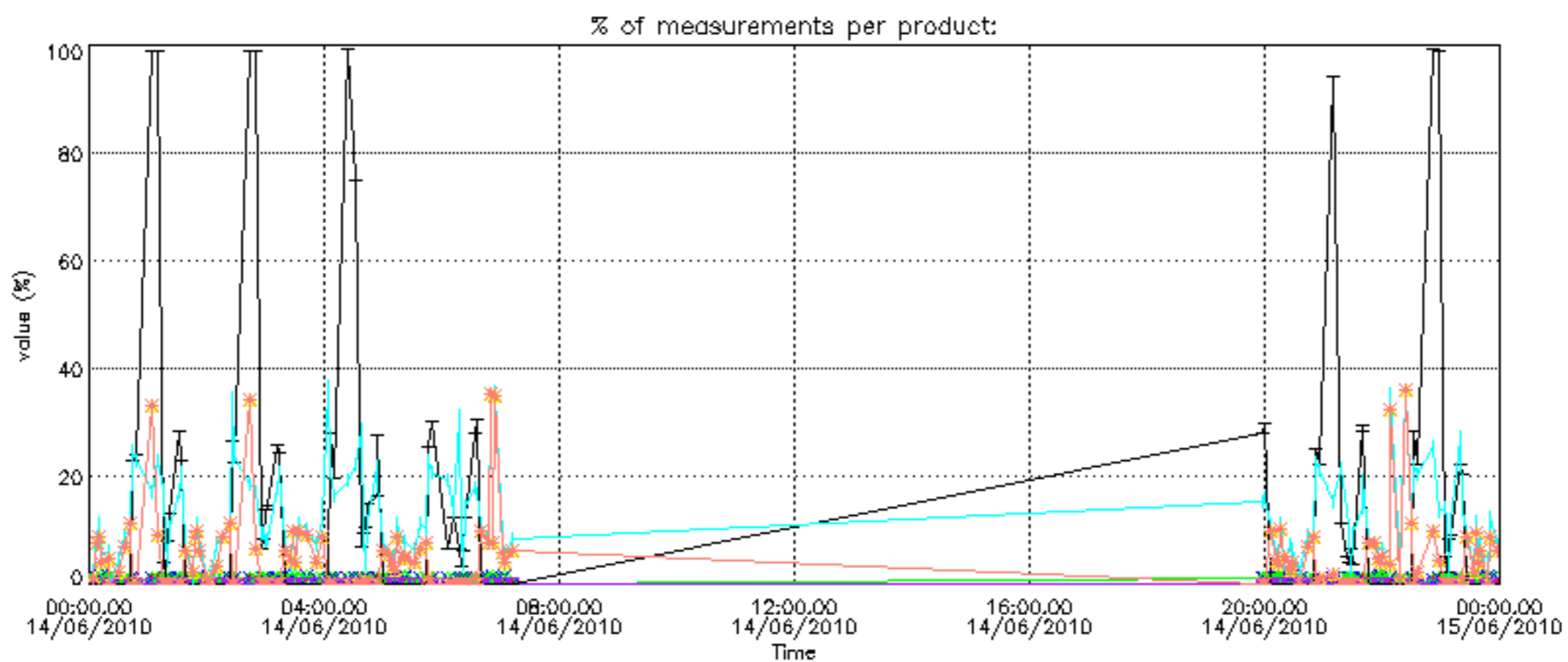
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	14-JUN-2010 00:04:53
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100609_081029_20100607_000000_20500101_000000	1	14-JUN-2010 00:04:53
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	14-JUN-2010 00:04:53
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	14-JUN-2010 00:04:53
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	14-JUN-2010 00:04:53
ECMWF_FILE	AUX_ECF_AXNECM20100613_054114_20100613_210000_20100614_090000	1	14-JUN-2010 00:04:53
ECMWF_FILE	AUX_ECF_AXNECM20100613_172112_20100614_030000_20100614_150000	45	14-JUN-2010 03:40:29
ECMWF_FILE	AUX_ECA_AXNECM20100614_052448_20100613_210000_20100614_090000	68	14-JUN-2010 05:37:52
ECMWF_FILE	AUX_ECA_AXNECM20100614_170448_20100614_090000_20100614_210000	88	14-JUN-2010 19:58:42
ECMWF_FILE	AUX_ECF_AXNECM20100614_054447_20100614_210000_20100615_090000	102	14-JUN-2010 21:10:55
OPTIONAL_ECMWF_FILE	MISSING	1	14-JUN-2010 00:04:53
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100613_231827_000057382090_00187_43327_0545.N1	1	14-JUN-2010 00:04:53
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100613_092114_20100612_190108_20100622_202721	12	14-JUN-2010 01:03:32
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100614_033847_000063762090_00190_43330_0547.N1	45	14-JUN-2010 03:40:29
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100614_053022_000057382090_00191_43331_0550.N1	68	14-JUN-2010 05:37:52
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100614_195106_000038252090_00200_43340_0551.N1	88	14-JUN-2010 19:58:42
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100614_205451_000063762090_00200_43340_0552.N1	102	14-JUN-2010 21:10:55
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100614_224626_000057382090_00201_43341_0553.N1	122	14-JUN-2010 22:51:31

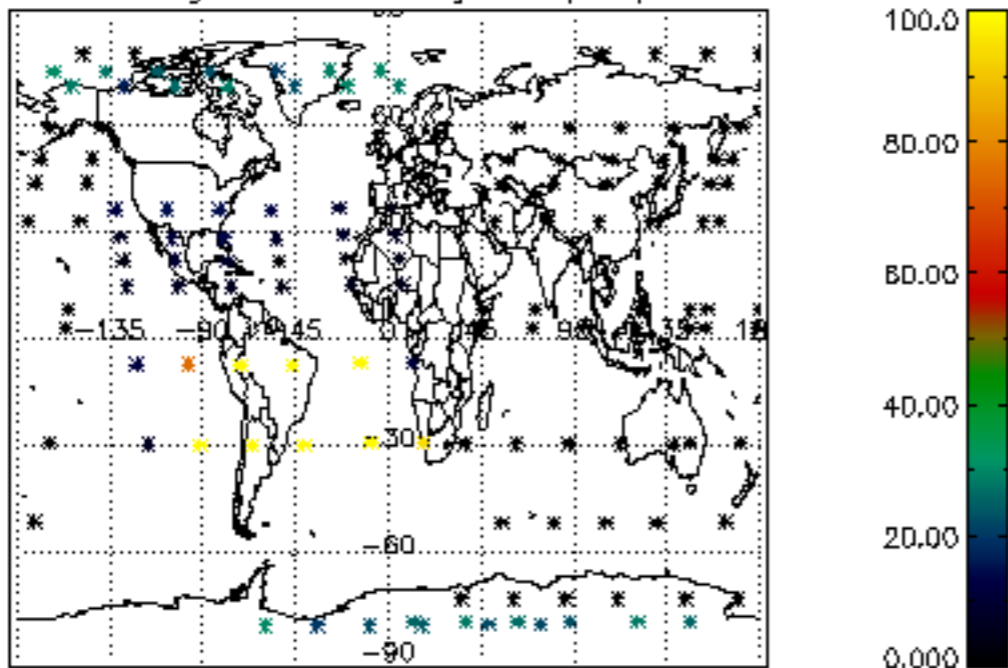




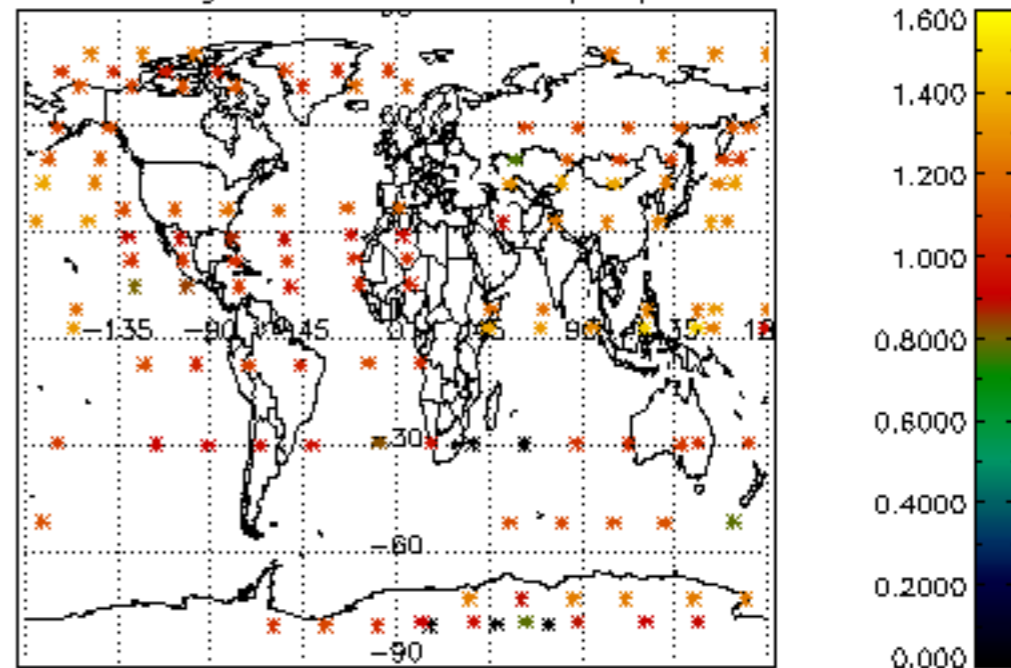




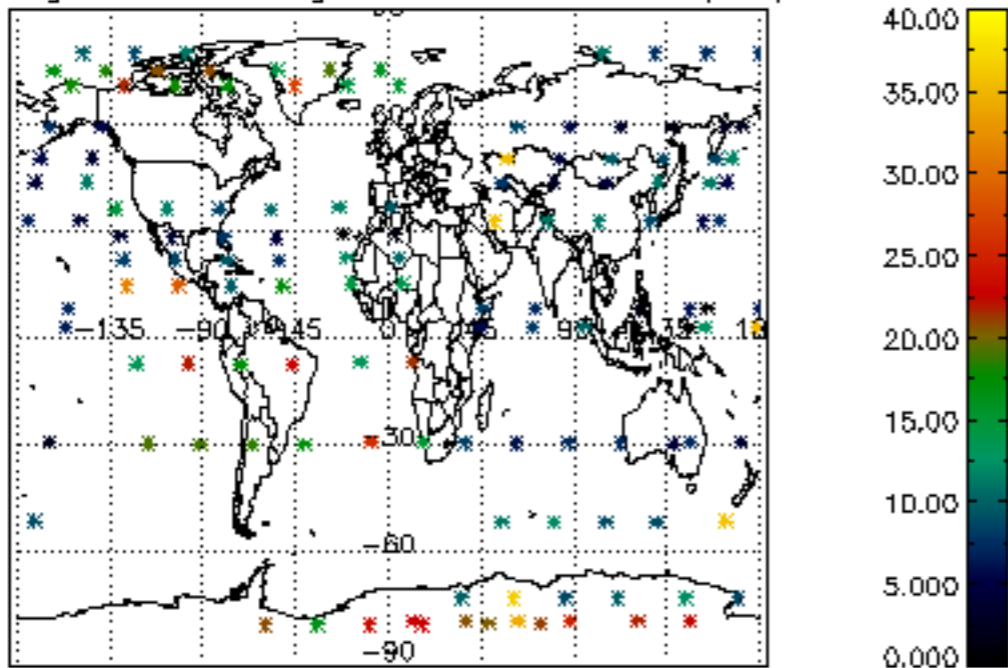
Percentage of cosmic ray hits per profile



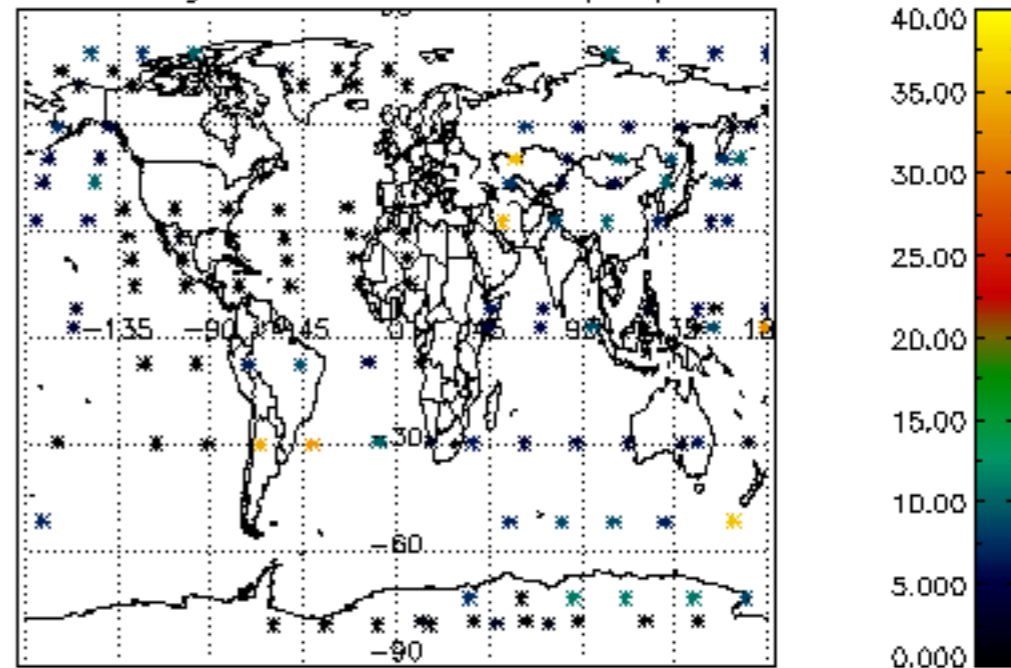
Percentage of datation errors per profile



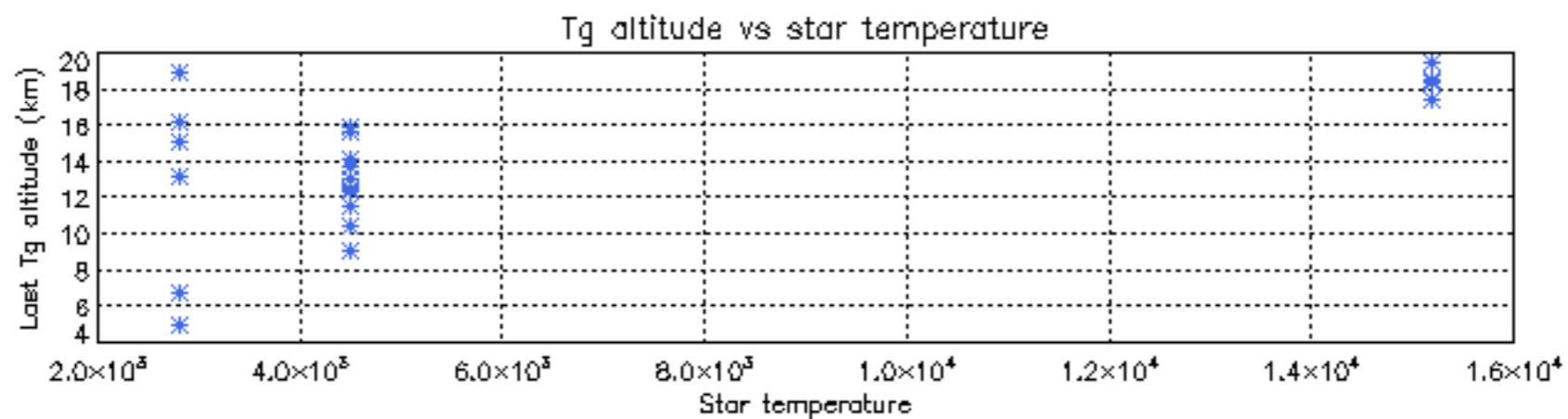
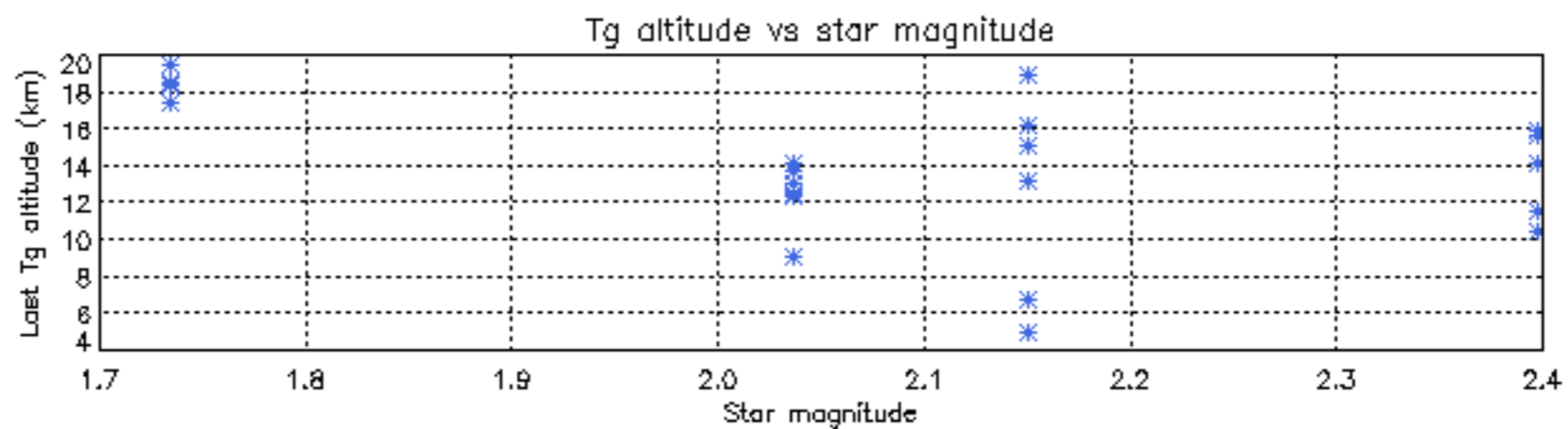
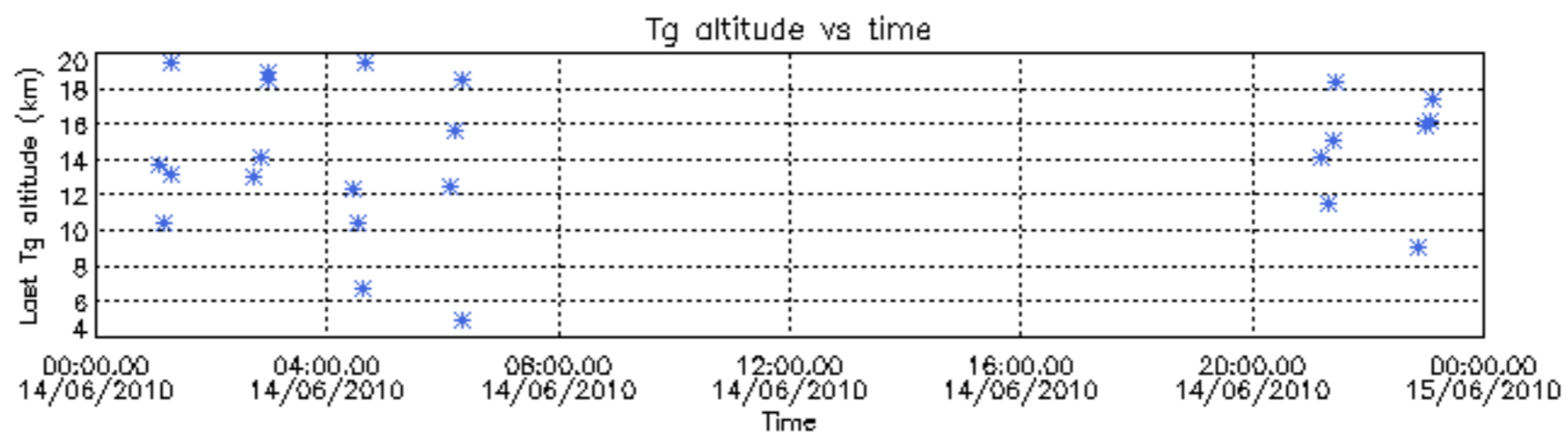
Percentage of star falling outside central band per profile



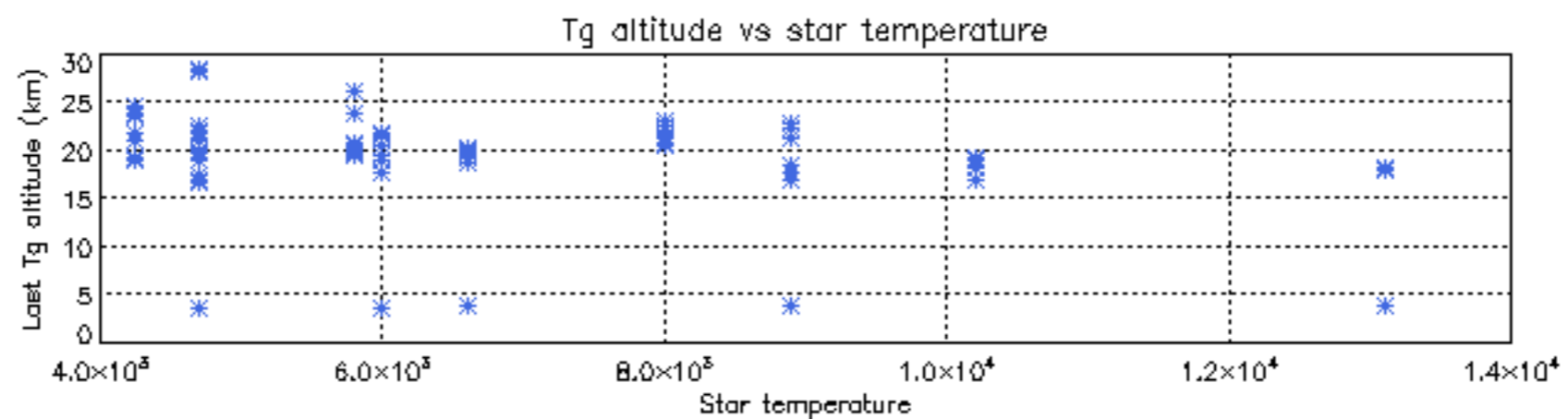
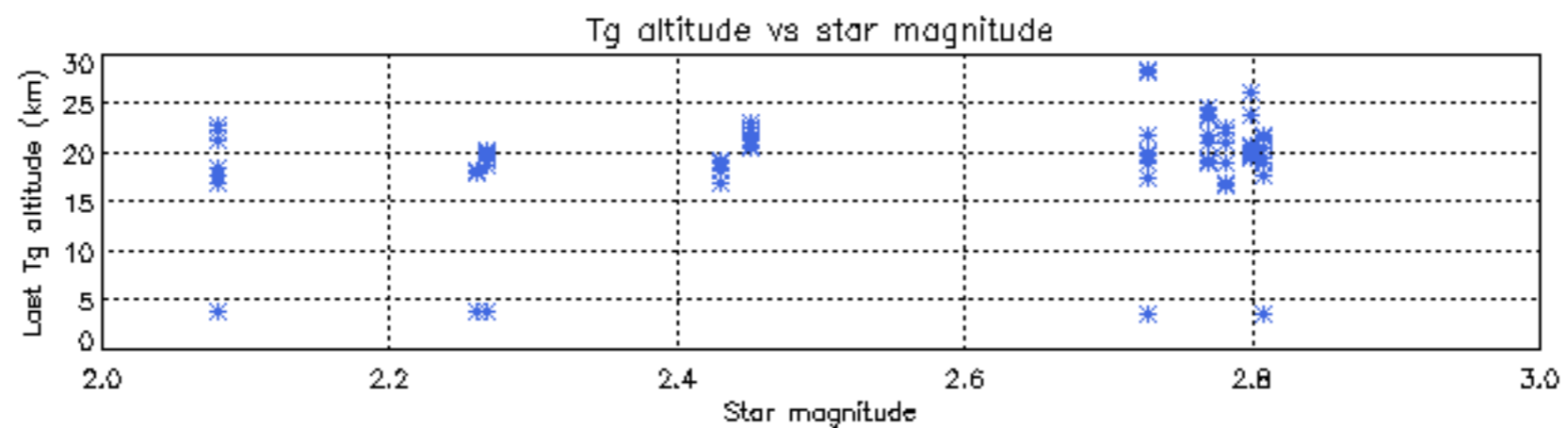
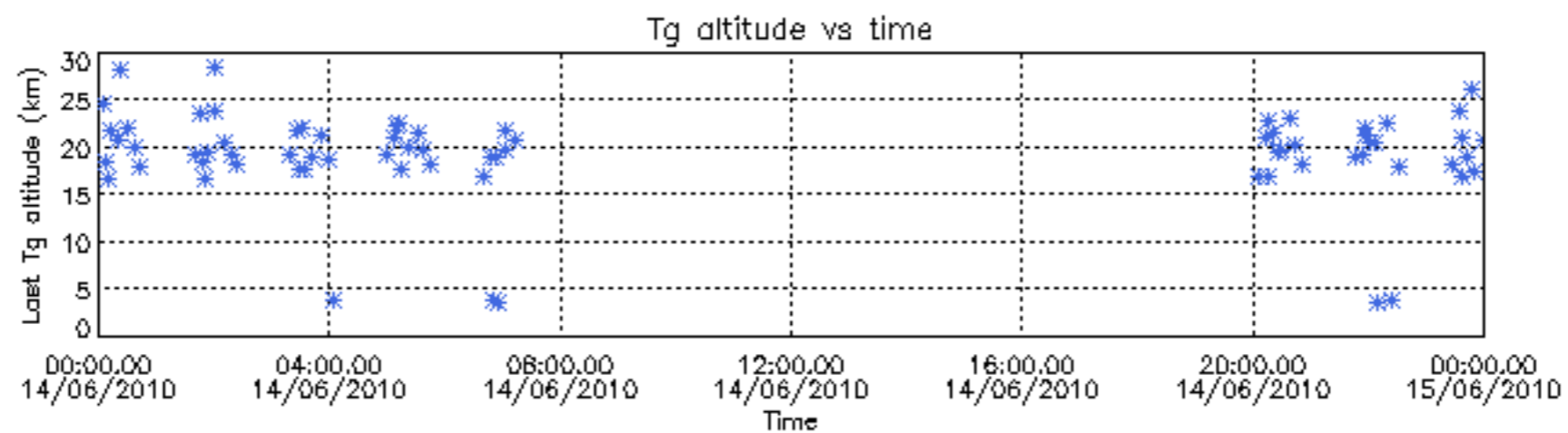
Percentage of saturation errors per profile



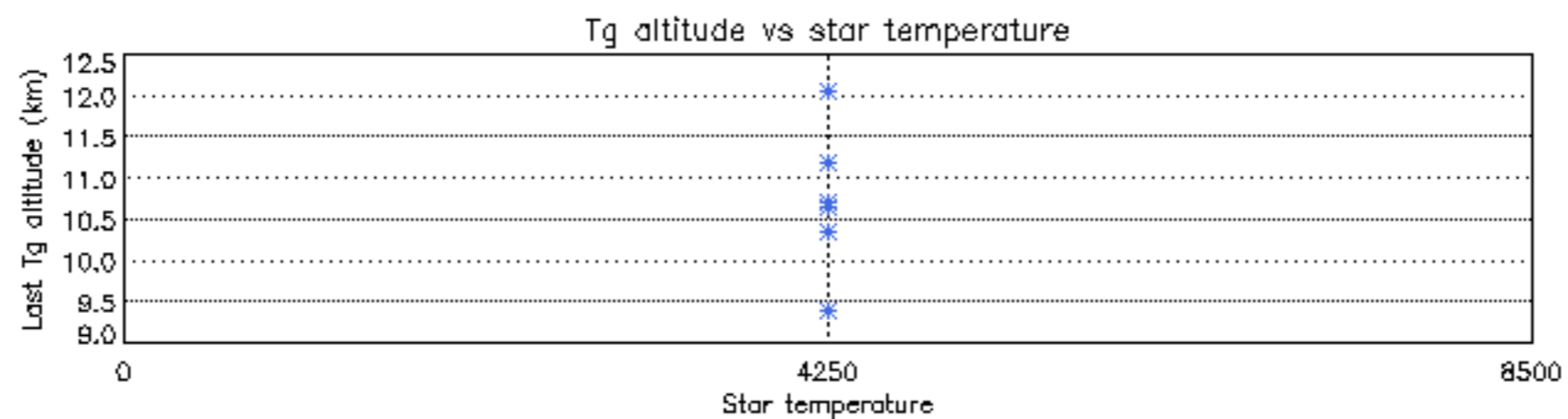
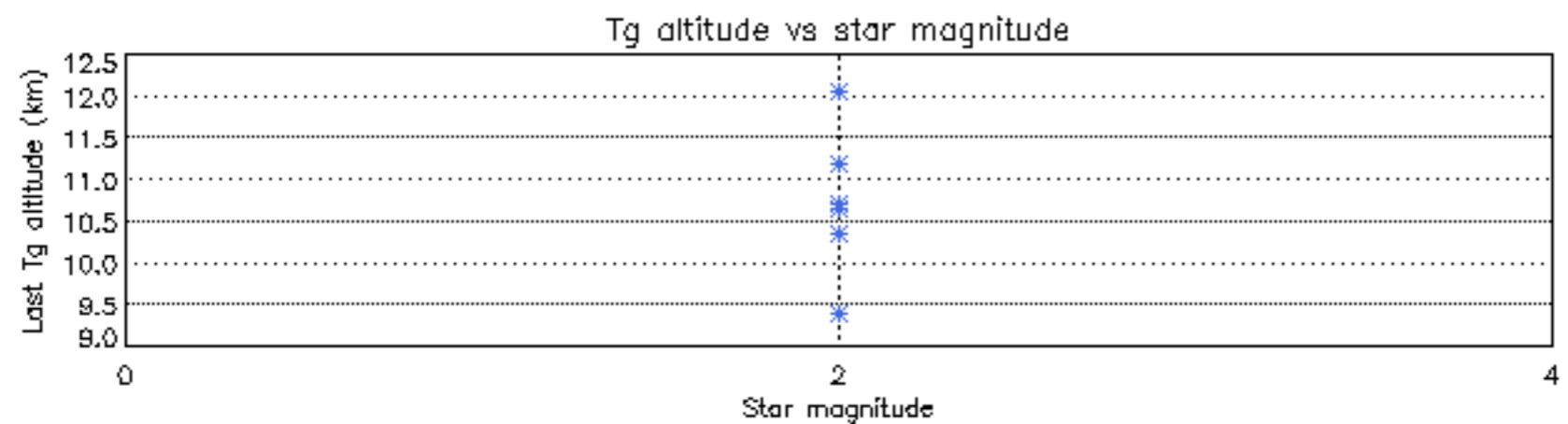
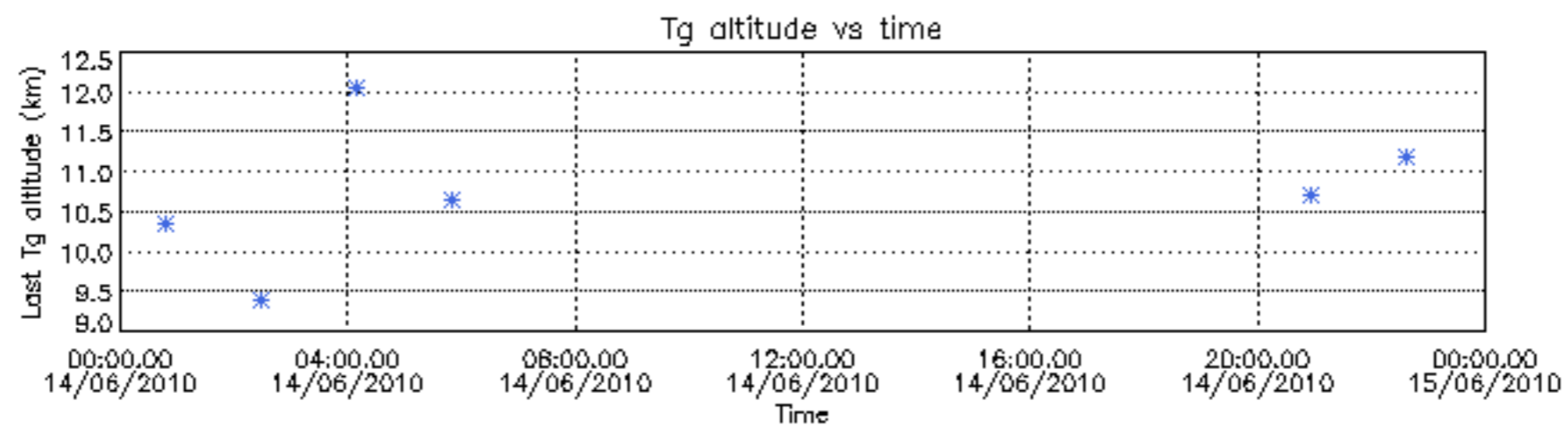
Tangent altitude at which the star is lost

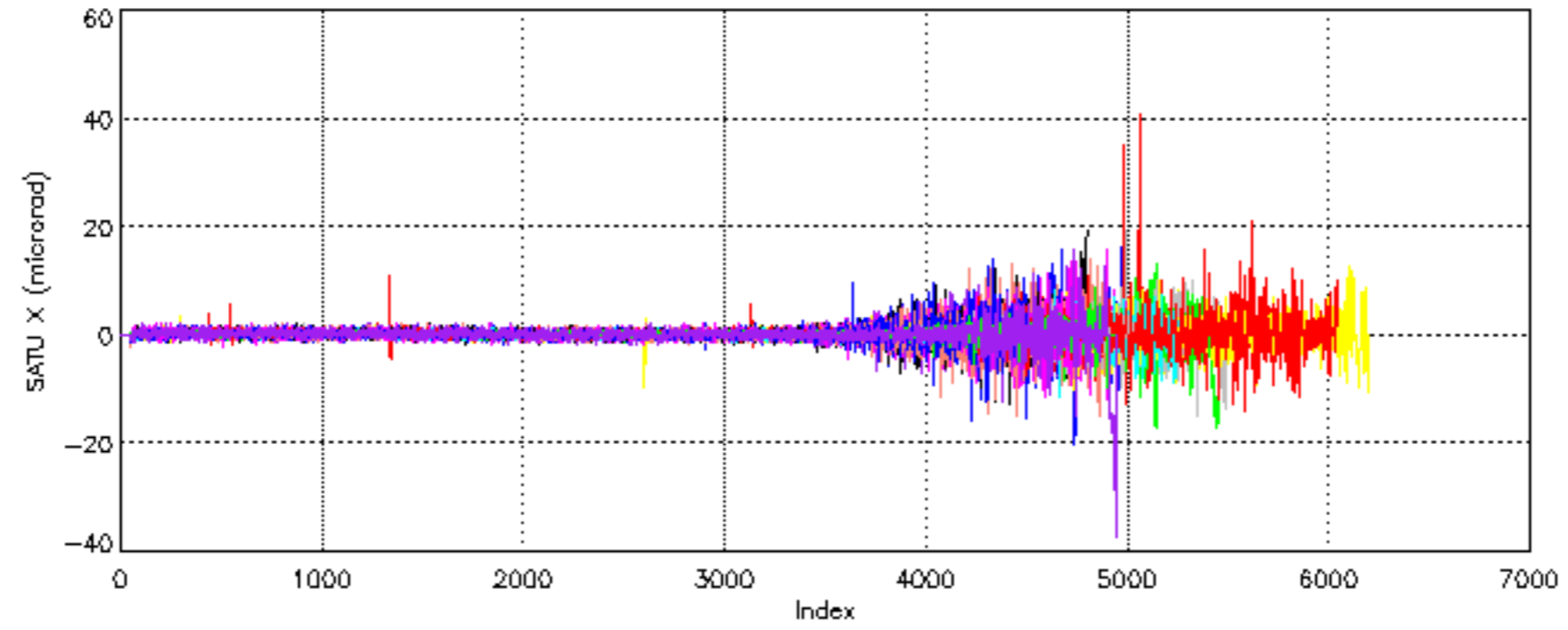


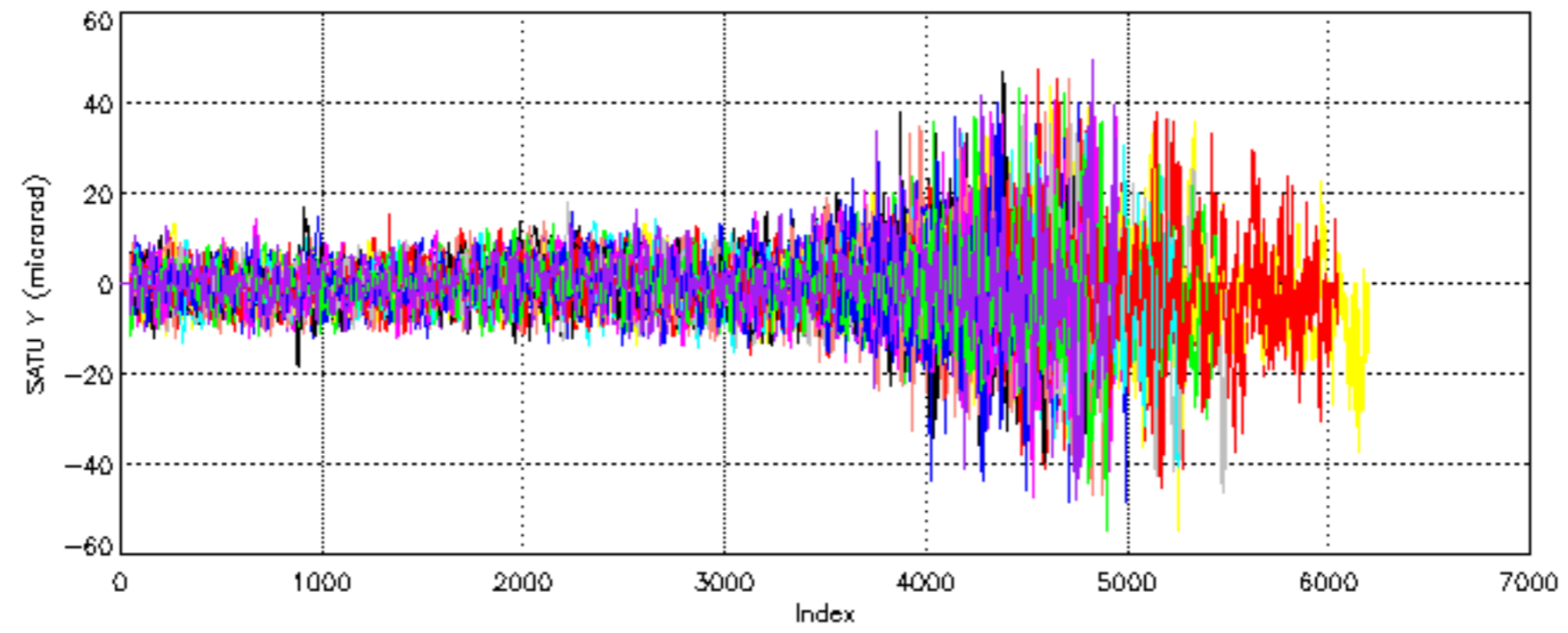
Tangent altitude at which the star is lost

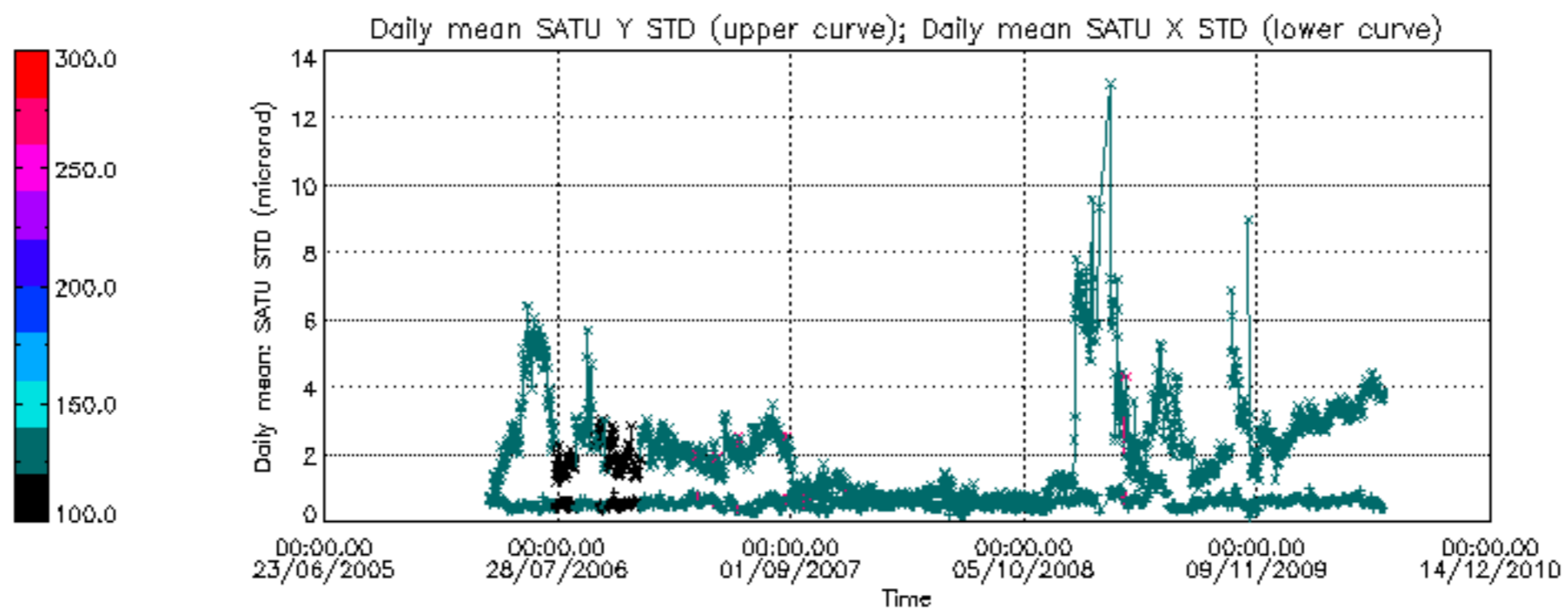


Tangent altitude at which the star is lost









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 3; 74.8; 01-JUN-2010 01:21:46; Dark ; 56.5; 63; Bet Gru ; 2.15; 2800;occ; 113; 0;43143
 4; 187.0; 01-JUN-2010 01:23:38; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;43143
 5; 486.0; 01-JUN-2010 01:28:37; Dark ; 44.0; 45; Alp Pav ; 1.94; 26000;occ; 88; 0;43143
 6; 933.8; 01-JUN-2010 01:36:05; Dark ; 40.0; 147; Alp Ara ; 2.88; 26000;occ; 80; 0;43143
 7; 1034.9; 01-JUN-2010 01:37:46; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43143
 8; 1142.8; 01-JUN-2010 01:39:34; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;43143
 9; 1249.5; 01-JUN-2010 01:41:21; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;43143
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 18; 3005.3; 01-JUN-2010 02:10:37; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;43143
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 33; 7285.7; 01-JUN-2010 03:21:57; Dark ; 43.5; 75; 26Eps Sco ; 2.29; 4250;occ; 87; 0;43144
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 36; 7626.6; 01-JUN-2010 03:27:38; Bright; 48.0; 86; 35Eta Oph ; 2.43; 10200;occ; 96; 0;43144
 37; 7738.4; 01-JUN-2010 03:29:30; Bright; 42.5; 98; 13Zet Oph ; 2.57; 30000;occ; 85; 0;43144
 38; 7869.5; 01-JUN-2010 03:31:41; Bright; 40.0; 120; 1Del Oph ; 2.73; 3200;occ; 80; 0;43144
 39; 8050.5; 01-JUN-2010 03:34:42; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;43144
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 2; 3629.4; 01-JUN-2010 04:01:37; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;43144
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 11; 6224.6; 01-JUN-2010 04:44:52; Dark ; 47.5; 31; Alp Gru ; 1.73; 15200;occ; 95; 0;43145
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 13; 6970.6; 01-JUN-2010 04:57:18; Dark ; 38.5; 147; Alp Ara ; 2.88; 26000;occ; 77; 0;43145
 14; 7072.2; 01-JUN-2010 04:58:59; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;43145
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 17; 7408.4; 01-JUN-2010 05:04:36; Dark ; 46.0; 136; 23Tau Sco ; 2.82; 30000;occ; 92; 0;43145
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 21; 7869.6; 01-JUN-2010 05:12:17; Bright; 40.0; 120; 1Del Oph ; 2.73; 3200;occ; 80; 0;43145
 22; 8050.5; 01-JUN-2010 05:15:18; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;43145
 23; 8405.1; 01-JUN-2010 05:21:12; Bright; 36.5; 67; 5Alp CrB ; 2.22; 11000;occ; 73; 0;43145
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3;-1480.2; 01-JUN-2010 05:57:39; Dark ; 52.0; 58; 21Alp And ; 2.07; 11000;occ; 104; 0;43145
4;-1183.7; 01-JUN-2010 06:02:36; Dark ; 52.0; 140; 88Gam Peg ; 2.83; 26000;occ; 104; 0;43145
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8; 77.3; 01-JUN-2010 06:23:37; Dark ; 56.5; 63; Bet Gru ; 2.15; 2800;occ; 113; 0;43146
9; 190.0; 01-JUN-2010 06:25:29; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;43146
10; 488.6; 01-JUN-2010 06:30:28; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43146
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13; 1144.5; 01-JUN-2010 06:41:24; Dark ; 51.0; 25; 35Lam Sco ; 1.62; 28000;occ; 102; 0;43146
14; 1250.5; 01-JUN-2010 06:43:10; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;43146
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17; 1590.9; 01-JUN-2010 06:48:50; Bright; 45.5; 86; 35Eta Oph ; 2.43; 10200;occ; 91; 0;43146
18; 1702.5; 01-JUN-2010 06:50:42; Bright; 42.0; 98; 13Zet Oph ; 2.57; 30000;occ; 84; 0;43146
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21; 2368.8; 01-JUN-2010 07:01:48; Bright; 39.5; 67; 5Alp CrB ; 2.22; 11000;occ; 79; 0;43146
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23; 3004.5; 01-JUN-2010 07:12:24; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;43146
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10; 190.9; 01-JUN-2010 08:06:06; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;43147
11; 488.7; 01-JUN-2010 08:11:04; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;43147
12; 935.2; 01-JUN-2010 08:18:30; Dark ; 41.5; 147; Alp Ara ; 2.88; 26000;occ; 83; 0;43147
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 6; 2277.3; 15-JUN-2010 16:23:38; Bright; 38.5; 127; 27Bet Her ; 2.78; 4700;occ; 77; 0;43352
 7; 2460.0; 15-JUN-2010 16:26:40; Bright; 39.5; 133; 40Zet Her ; 2.81; 6000;occ; 79; 0;43352
 8; 2870.0; 15-JUN-2010 16:33:30; Bright; 41.0; 130; 23Bet Dra ; 2.80; 5800;occ; 82; 0;43352
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 22; 6541.6; 15-JUN-2010 19:15:18; Dark ; 47.0; 172; Gam Gru ; 3.00; 13100;occ; 94; 0;43354
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 10; 2961.6; 15-JUN-2010 19:56:14; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;43354
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16; 6317.7; 16-JUN-2010 16:59:21; Dark ; 52.0; 63; Bet Gru ; 2.15; 2800;occ; 104; 0;43367
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 14; 2275.5; 17-JUN-2010 00:14:59; Bright; 36.0; 127; 27Bet Her ; 2.78; 4700;occ; 72; 0;43371
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 6; 2276.1; 16-JUN-2010 17:32:35; Bright; 38.0; 127; 27Bet Her ; 2.78; 4700;occ; 76; 0;43367
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 9; 3486.1; 16-JUN-2010 17:52:45; Bright; 48.5; 89; 5Alp Cep ; 2.45; 8000;occ; 97; 0;43367
 10; 3874.8; 16-JUN-2010 17:59:14; Bright; 42.0; 74; 11Bet Cas ; 2.27; 6600;occ; 84; 0;43367

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13; 4411.6; 16-JUN-2010 18:08:11; Dark ; 60.5; 53; 43Bet And ; 2.05; 3300;occ; 121; 0;43367
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17; 5943.7; 16-JUN-2010 18:33:43; Dark ; 53.0; 84; Alp Phe ; 2.40; 4500;occ; 106; 0;43367
18; 6318.8; 16-JUN-2010 18:39:58; Dark ; 50.0; 63; Bet Gru ; 2.15; 2800;occ; 100; 0;43368
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 4; 1615.1; 17-JUN-2010 01:44:34; Bright; 39.5; 86; 35Eta Oph ; 2.43; 10200;occ; 79; 0;43372
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11; 2134.7; 22-JUN-2010 22:43:31; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;43456
12; 2447.4; 22-JUN-2010 22:48:44; Bright; 37.0; 133; 40Zet Her ; 2.81; 6000;occ; 74; 0;43456
13; 2721.7; 22-JUN-2010 22:53:18; Bright; 44.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 88; 0;43456

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 16; 3840.5; 22-JUN-2010 23:11:57; Bright; 67.0; 74; 11Bet Cas ; 2.27; 6600;occ; 134; 0;43456
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 19; 4270.6; 22-JUN-2010 23:19:07; Bright; 45.5; 73; 57Gam1And ; 2.26; 13100;occ; 91; 0;43456
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 22; 4933.5; 22-JUN-2010 23:30:10; Dark ; 38.0; 94; 92Alp Cet ; 2.53; 3100;occ; 76; 0;43456
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 16; 3840.3; 23-JUN-2010 00:52:33; Bright; 49.0; 74; 11Bet Cas ; 2.27; 6600;occ; 98; 0;43457
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 5; 683.8; 23-JUN-2010 01:40:32; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43458
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 18; 4270.5; 23-JUN-2010 02:40:19; Bright; 60.0; 73; 57Gam1And ; 2.26; 13100;occ; 120; 0;43458
 19; 4414.7; 23-JUN-2010 02:42:43; Dark ; 44.5; 173; 4Bet Tri ; 3.00; 8900;occ; 89; 0;43458
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 23; 6021.3; 23-JUN-2010 03:09:30; Dark ; 49.0; 84; Alp Phe ; 2.40; 4500;occ; 98; 0;43458
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 25; 6530.7; 23-JUN-2010 03:17:59; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;43459
 26; 6720.8; 23-JUN-2010 03:21:09; Dark ; 40.0; 45; Alp Pav ; 1.94; 26000;occ; 80; 0;43459
 27; 7276.4; 23-JUN-2010 03:30:25; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;43459
 28; 7361.8; 23-JUN-2010 03:31:50; Dark ; 51.5; 116; 19Del Sgr ; 2.70; 4100;occ; 103; 0;43459
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 31; 8169.8; 23-JUN-2010 03:45:18; Bright; 41.5; 59; 55Alp Oph ; 2.08; 8900;occ; 83; 0;43459
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 33; 8755.5; 23-JUN-2010 03:55:04; Bright; 49.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 98; 0;43459
 34; 8869.6; 23-JUN-2010 03:56:58; Bright; 28.0; 130; 23Bet Dra ; 2.80; 5800;occ; 56; 0;43459

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 5; 4064.9; 23-JUN-2010 04:17:29; Bright; 36.0; 160; 23Gam Per ; 2.93; 4700;occ; 72; 0;43459
 6; 4270.6; 23-JUN-2010 04:20:55; Bright; 49.5; 73; 57Gam1And ; 2.26; 13100;occ; 99; 0;43459
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 10; 5414.1; 23-JUN-2010 04:39:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43459
 11; 6022.2; 23-JUN-2010 04:50:07; Dark ; 44.0; 84; Alp Phe ; 2.40; 4500;occ; 88; 0;43459
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 17; 7492.8; 23-JUN-2010 05:14:37; Bright; 50.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 101; 0;43460
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 22; 8869.5; 23-JUN-2010 05:37:34; Bright; 40.0; 130; 23Bet Dra ; 2.80; 5800;occ; 80; 0;43460
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 5; -1621.0; 23-JUN-2010 06:03:55; Dark ; 45.5; 173; 4Bet Tri ; 3.00; 8900;occ; 91; 0;43460
 6; -1390.3; 23-JUN-2010 06:07:46; Dark ; 53.0; 50; 13Alp Ari ; 2.01; 4250;occ; 106; 0;43460
 7; -1100.8; 23-JUN-2010 06:12:36; Dark ; 37.0; 94; 92Alp Cet ; 2.53; 3100;occ; 74; 0;43460
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12; 2711.5; 24-JUN-2010 00:02:07; Bright; 48.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 97; 0;43471

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13; 2830.4; 24-JUN-2010 01:44:42; Bright; 39.5; 130; 23Bet Dra ; 2.80; 5800;occ; 79; 0;43472
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 3; 386.5; 24-JUN-2010 02:44:34; Dark ; 64.5; 63; Bet Gru ; 2.15; 2800;occ; 129; 0;43473
 4; 508.0; 24-JUN-2010 02:46:35; Dark ; 54.0; 31; Alp Gru ; 1.73; 15200;occ; 108; 0;43473
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12; 2710.0; 24-JUN-2010 03:23:17; Bright; 49.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 99; 0;43473
13; 2830.2; 24-JUN-2010 03:25:17; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;43473
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16; 1988.1; 24-JUN-2010 04:51:51; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;43474
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 18; 4270.0; 24-JUN-2010 22:15:53; Bright; 44.0; 73; 57Gam1And ; 2.26; 13100;occ; 88; 0;43484
 19; 4416.8; 24-JUN-2010 22:18:19; Dark ; 48.5; 173; 4Bet Tri ; 3.00; 8900;occ; 97; 0;43484
 20; 4651.7; 24-JUN-2010 22:22:14; Dark ; 54.5; 50; 13Alp Ari ; 2.01; 4250;occ; 109; 0;43484

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 3; 9.2; 24-JUN-2010 22:45:28; Dark ; 54.5; 84; Alp Phe ; 2.40; 4500;occ; 109; 0;43484
 4; 398.2; 24-JUN-2010 22:51:57; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;43485
 5; 519.7; 24-JUN-2010 22:53:58; Dark ; 48.5; 31; Alp Gru ; 1.73; 15200;occ; 97; 0;43485
 6; 698.8; 24-JUN-2010 22:56:57; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;43485
 7; 1248.5; 24-JUN-2010 23:06:07; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;43485
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 9; 1462.1; 24-JUN-2010 23:09:41; Bright; 50.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 100; 0;43485

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11; 2130.2; 24-JUN-2010 23:20:49; Bright; 38.5; 59; 55Alp Oph ; 2.08; 8900;occ; 77; 0;43485
12; 2702.2; 24-JUN-2010 23:30:21; Bright; 47.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 95; 0;43485
13; 2826.9; 24-JUN-2010 23:32:25; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;43485
14; 3405.2; 24-JUN-2010 23:42:04; Bright; 46.0; 89; 5Alp Cep ; 2.45; 8000;occ; 92; 0;43485
15; 3828.1; 24-JUN-2010 23:49:06; Bright; 44.0; 74; 11Bet Cas ; 2.27; 6600;occ; 88; 0;43485
16; 3921.8; 24-JUN-2010 23:50:40; Bright; 66.0; 68; 18Alp Cas ; 2.22; 4500;occ; 132; 0;43485
17; 4064.8; 24-JUN-2010 23:53:03; Bright; 44.5; 160; 23Gam Per ; 2.93; 4700;occ; 89; 0;43485
18; 4269.9; 24-JUN-2010 23:56:28; Bright; 46.5; 73; 57Gam1And ; 2.26; 13100;occ; 93; 0;43485
19; 4417.2; 24-JUN-2010 23:58:56; Dark ; 46.0; 173; 4Bet Tri ; 3.00; 8900;occ; 92; 0;43485
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3; 10.0; 25-JUN-2010 00:26:04; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;43486
4; 399.1; 25-JUN-2010 00:32:33; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;43486
5; 520.4; 25-JUN-2010 00:34:35; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;43486
6; 699.5; 25-JUN-2010 00:37:34; Dark ; 49.5; 45; Alp Pav ; 1.94; 26000;occ; 99; 0;43486
7; 1248.9; 25-JUN-2010 00:46:43; Dark ; 45.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 91; 0;43486
8; 1333.3; 25-JUN-2010 00:48:08; Dark ; 51.5; 116; 19Del Sgr ; 2.70; 4100;occ; 103; 0;43486
9; 1462.4; 25-JUN-2010 00:50:17; Bright; 50.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 101; 0;43486
10; 1986.6; 25-JUN-2010 00:59:01; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;43486
11; 2129.9; 25-JUN-2010 01:01:24; Bright; 39.5; 59; 55Alp Oph ; 2.08; 8900;occ; 79; 0;43486
12; 2701.4; 25-JUN-2010 01:10:56; Bright; 50.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 101; 0;43486
13; 2826.6; 25-JUN-2010 01:13:01; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;43486
14; 3404.5; 25-JUN-2010 01:22:39; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;43486
15; 3827.4; 25-JUN-2010 01:29:42; Bright; 47.5; 74; 11Bet Cas ; 2.27; 6600;occ; 95; 0;43486
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19; 4417.1; 25-JUN-2010 01:39:31; Dark ; 44.5; 173; 4Bet Tri ; 3.00; 8900;occ; 89; 0;43486
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3; 10.9; 25-JUN-2010 02:06:41; Dark ; 47.0; 84; Alp Phe ; 2.40; 4500;occ; 94; 0;43487
4; 400.3; 25-JUN-2010 02:13:10; Dark ; 55.5; 63; Bet Gru ; 2.15; 2800;occ; 111; 0;43487
5; 521.4; 25-JUN-2010 02:15:12; Dark ; 49.0; 31; Alp Gru ; 1.73; 15200;occ; 98; 0;43487
6; 700.1; 25-JUN-2010 02:18:10; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;43487
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8; 1333.6; 25-JUN-2010 02:28:44; Dark ; 48.5; 116; 19Del Sgr ; 2.70; 4100;occ; 97; 0;43487
9; 1462.7; 25-JUN-2010 02:30:53; Bright; 48.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 96; 0;43487
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12; 2700.9; 25-JUN-2010 02:51:31; Bright; 50.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 100; 0;43487
13; 2826.6; 25-JUN-2010 02:53:37; Bright; 38.0; 130; 23Bet Dra ; 2.80; 5800;occ; 76; 0;43487
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3; -1970.9; 25-JUN-2010 03:14:15; Bright; 33.5; 160; 23Gam Per ; 2.93; 4700;occ; 67; 0;43487
4; -1765.8; 25-JUN-2010 03:17:40; Bright; 45.5; 73; 57Gam1And ; 2.26; 13100;occ; 91; 0;43487
5; -1618.4; 25-JUN-2010 03:20:08; Dark ; 47.0; 173; 4Bet Tri ; 3.00; 8900;occ; 94; 0;43487
6; -1383.2; 25-JUN-2010 03:24:03; Dark ; 62.0; 50; 13Alp Ari ; 2.01; 4250;occ; 124; 0;43487
7; -602.7; 25-JUN-2010 03:37:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43487
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9; 12.0; 25-JUN-2010 03:47:18; Dark ; 45.0; 84; Alp Phe ; 2.40; 4500;occ; 90; 0;43488
10; 401.2; 25-JUN-2010 03:53:47; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;43488
11; 522.3; 25-JUN-2010 03:55:48; Dark ; 49.5; 31; Alp Gru ; 1.73; 15200;occ; 99; 0;43488
12; 700.5; 25-JUN-2010 03:58:47; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;43488
13; 1249.4; 25-JUN-2010 04:07:55; Dark ; 46.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 93; 0;43488
14; 1334.1; 25-JUN-2010 04:09:20; Dark ; 54.0; 116; 19Del Sgr ; 2.70; 4100;occ; 108; 0;43488
15; 1462.9; 25-JUN-2010 04:11:29; Bright; 50.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 101; 0;43488
16; 1986.8; 25-JUN-2010 04:20:13; Bright; 39.0; 126; 60Bet Oph ; 2.77; 4250;occ; 78; 0;43488
17; 2130.0; 25-JUN-2010 04:22:36; Bright; 39.0; 59; 55Alp Oph ; 2.08; 8900;occ; 78; 0;43488
18; 2700.3; 25-JUN-2010 04:32:06; Bright; 49.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 98; 0;43488
19; 2826.3; 25-JUN-2010 04:34:12; Bright; 38.5; 130; 23Bet Dra ; 2.80; 5800;occ; 77; 0;43488
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 3; -1971.3; 25-JUN-2010 04:54:51; Bright; 54.0; 160; 23Gam Per ; 2.93; 4700;occ; 108; 0;43488
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 11; 523.1; 25-JUN-2010 05:36:25; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;43489
 12; 701.3; 25-JUN-2010 05:39:23; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;43489
 13; 1249.8; 25-JUN-2010 05:48:32; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;43489
 14; 1333.9; 25-JUN-2010 05:49:56; Dark ; 47.0; 116; 19Del Sgr ; 2.70; 4100;occ; 94; 0;43489
 15; 1463.0; 25-JUN-2010 05:52:05; Bright; 50.0; 155; 41Pi Sgr ; 2.90; 6600;occ; 100; 0;43489
 16; 1986.8; 25-JUN-2010 06:00:49; Bright; 38.5; 126; 60Bet Oph ; 2.77; 4250;occ; 77; 0;43489
 17; 2129.7; 25-JUN-2010 06:03:12; Bright; 41.0; 59; 55Alp Oph ; 2.08; 8900;occ; 82; 0;43489
 18; 2699.6; 25-JUN-2010 06:12:42; Bright; 51.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 102; 0;43489
 19; 2826.0; 25-JUN-2010 06:14:48; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;43489
 20; 3402.4; 25-JUN-2010 06:24:24; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;43489

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 3; 1464.9; 25-JUN-2010 20:57:30; Bright; 48.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 97; 0;43498
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 5; 2128.3; 25-JUN-2010 21:08:34; Bright; 40.5; 59; 55Alp Oph ; 2.08; 8900;occ; 81; 0;43498
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 12; 4269.8; 25-JUN-2010 21:44:15; Bright; 47.5; 73; 57Gam1And ; 2.26; 13100;occ; 95; 0;43498
 13; 4418.5; 25-JUN-2010 21:46:44; Dark ; 44.5; 173; 4Bet Tri ; 3.00; 8900;occ; 89; 0;43498
 14; 4656.0; 25-JUN-2010 21:50:42; Dark ; 57.5; 50; 13Alp Ari ; 2.01; 4250;occ; 115; 0;43498
 15; 4947.6; 25-JUN-2010 21:55:33; Dark ; 45.0; 94; 92Alp Cet ; 2.53; 3100;occ; 90; 0;43498

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 5; 706.4; 25-JUN-2010 22:25:28; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43499
 6; 1252.6; 25-JUN-2010 22:34:34; Dark ; 44.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 89; 0;43499
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 9; 1985.3; 25-JUN-2010 22:46:47; Bright; 40.0; 126; 60Bet Oph ; 2.77; 4250;occ; 80; 0;43499
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 14; 3821.7; 25-JUN-2010 23:17:23; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;43499
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 8; 1465.2; 26-JUN-2010 00:18:43; Bright; 49.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 99; 0;43500
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13; 3394.6; 26-JUN-2010 00:50:52; Bright; 48.5; 89; 5Alp Cep ; 2.45; 8000;occ; 97; 0;43500
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19; 4656.4; 26-JUN-2010 01:11:54; Dark ; 58.0; 50; 13Alp Ari ; 2.01; 4250;occ; 116; 0;43500
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13; 1262.2; 28-JUN-2010 05:54:29; Dark ; 42.5; 38; 20Eps Sgr ; 1.84; 11000;occ; 85; 0;43532
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 9; 3802.0; 28-JUN-2010 21:42:13; Bright; 49.5; 74; 11Bet Cas ; 2.27; 6600;occ; 99; 0;43541
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