

# GOMOS Daily Report 22-JUL-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	26JUL2010 04:53:10
Data source version	GOMOS/5.01
Start time of products	22JUL2010 00:11:45
Stop time of products	22JUL2010 23:58:02
Store outputs in DB	Yes
Nb of level 1b prods	131
Nb of prods with errors	3

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

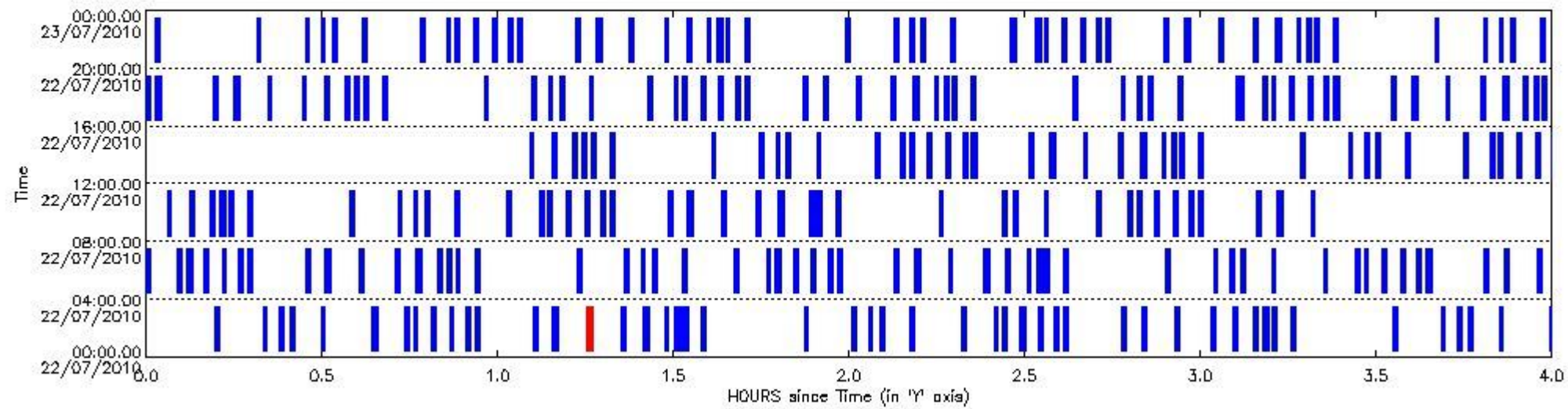
### 2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
22-JUL-2010 01:15:16	The1Eri	157	43872

### 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_1PNPDE20100722_001145_000000472091_00231_43872_8585.N1	22-JUL-2010 00:11:45	Bright	46.500	11	53Alp Aql	0.76500	8000.0	93	43872	No
2	GOM_TRA_1PNPDE20100722_001955_000000342091_00231_43872_8586.N1	22-JUL-2010 00:19:55	Bright	34.000	5	3Alp Lyr	0.033000	11000.	68	43872	No
3	GOM_TRA_1PNPDE20100722_002243_000000422091_00231_43872_8587.N1	22-JUL-2010 00:22:43	Bright	41.500	144	18Del Cyg	2.8600	11000.	83	43872	No
4	GOM_TRA_1PNPDE20100722_002437_000000482091_00231_43872_8588.N1	22-JUL-2010 00:24:37	Bright	47.500	19	50Alp Cyg	1.2460	10500.	95	43872	No
5	GOM_TRA_1PNPDE20100722_002946_000000412091_00231_43872_8589.N1	22-JUL-2010 00:29:46	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	43872	No
6	GOM_TRA_1PNPDE20100722_003835_000000512091_00231_43872_8590.N1	22-JUL-2010 00:38:35	Bright	51.000	76	27Gam Cas	2.3000	30000.	102	43872	No
7	GOM_TRA_1PNPDE20100722_004407_000000442091_00231_43872_8591.N1	22-JUL-2010 00:44:07	Bright	43.500	160	23Gam Per	2.9300	4700.0	87	43872	No
8	GOM_TRA_1PNPDE20100722_004534_000000452091_00231_43872_8592.N1	22-JUL-2010 00:45:34	Bright	45.000	35	33Alp Per	1.7950	6250.0	90	43872	No
9	GOM_TRA_1PNPDE20100722_004836_000000492091_00231_43872_8593.N1	22-JUL-2010 00:48:36	Bright	48.500	79	26Bet Per	2.3100	13100.	97	43872	No
10	GOM_TRA_1PNPDE20100722_005145_000000472091_00231_43872_8594.N1	22-JUL-2010 00:51:45	Twilight	46.500	150	44Zet Per	2.8900	28000.	93	43872	No

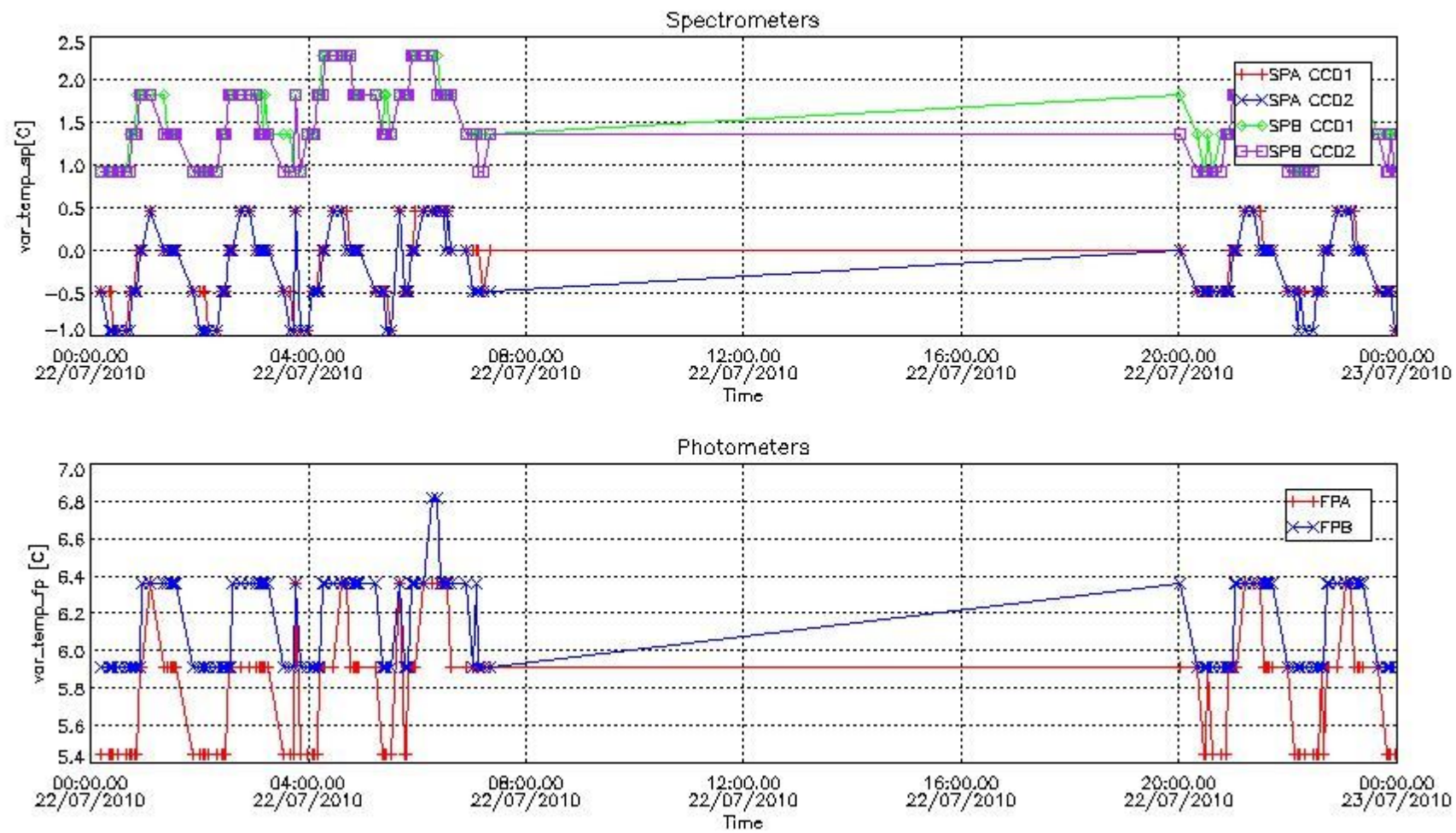
11	GOM_TRA_1PNPDE20100722_005430_000000492091_00231_43872_8595.N1	22-JUL-2010 00:54:30	Twilight	49.000	146	25Eta Tau	2.8730	15200.	98	43872	No
12	GOM_TRA_1PNPDE20100722_005605_000000512091_00231_43872_8596.N1	22-JUL-2010 00:56:05	Twilight	51.000	13	87Alp Tau	0.86700	3800.0	102	43872	No
13	GOM_TRA_1PNPDE20100722_010556_000000492091_00231_43872_8607.N1	22-JUL-2010 01:05:56	Dark	48.500	165	34Gam Eri	2.9500	3200.0	97	43872	Yes
14	GOM_TRA_1PNPDE20100722_012109_000000432091_00232_43873_8608.N1	22-JUL-2010 01:21:09	Dark	43.000	9	Alp Eri	0.45300	24000.	86	43873	No
15	GOM_TRA_1PNPDE20100722_012450_000000592091_00232_43873_8609.N1	22-JUL-2010 01:24:50	Straylight	59.000	84	Alp Phe	2.3970	4500.0	118	43873	No
16	GOM_TRA_1PNPDE20100722_012830_000000432091_00232_43873_8610.N1	22-JUL-2010 01:28:30	Straylight	42.500	148	Alp Tuc	2.8780	4100.0	85	43873	No
17	GOM_TRA_1PNPDE20100722_013008_000000622091_00232_43873_8611.N1	22-JUL-2010 01:30:08	Straylight	61.500	63	Bet Gru	2.1500	2800.0	123	43873	No
18	GOM_TRA_1PNPDE20100722_013134_000000542091_00232_43873_8612.N1	22-JUL-2010 01:31:34	Straylight	54.000	31	Alp Gru	1.7340	15200.	108	43873	No
19	GOM_TRA_1PNPDE20100722_013447_000000502091_00232_43873_8613.N1	22-JUL-2010 01:34:47	Straylight	50.000	172	Gam Gru	3.0030	13100.	100	43873	No
20	GOM_TRA_1PNPDE20100722_015221_000000422091_00232_43873_8614.N1	22-JUL-2010 01:52:21	Bright	41.500	11	53Alp Aql	0.76500	8000.0	83	43873	No
21	GOM_TRA_1PNPDE20100722_020031_000000412091_00232_43873_8615.N1	22-JUL-2010 02:00:31	Bright	41.000	5	3Alp Lyr	0.033000	11000.	82	43873	No
22	GOM_TRA_1PNPDE20100722_020319_000000412091_00232_43873_8616.N1	22-JUL-2010 02:03:19	Bright	40.500	144	18Del Cyg	2.8600	11000.	81	43873	No
23	GOM_TRA_1PNPDE20100722_020512_000000442091_00232_43873_8617.N1	22-JUL-2010 02:05:12	Bright	44.000	19	50Alp Cyg	1.2460	10500.	88	43873	No
24	GOM_TRA_1PNPDE20100722_021021_000000432091_00232_43873_8618.N1	22-JUL-2010 02:10:21	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	43873	No
25	GOM_TRA_1PNPDE20100722_021911_000000482091_00232_43873_8619.N1	22-JUL-2010 02:19:11	Bright	47.500	76	27Gam Cas	2.3000	30000.	95	43873	No
26	GOM_TRA_1PNPDE20100722_022443_000000442091_00232_43873_8620.N1	22-JUL-2010 02:24:43	Bright	43.500	160	23Gam Per	2.9300	4700.0	87	43873	No
27	GOM_TRA_1PNPDE20100722_022610_000000452091_00232_43873_8621.N1	22-JUL-2010 02:26:10	Bright	44.500	35	33Alp Per	1.7950	6250.0	89	43873	No
28	GOM_TRA_1PNPDE20100722_022912_000000522091_00232_43873_8622.N1	22-JUL-2010 02:29:12	Bright	51.500	79	26Bet Per	2.3100	13100.	103	43873	No
29	GOM_TRA_1PNPDE20100722_023221_000000462091_00232_43873_8623.N1	22-JUL-2010 02:32:21	Twilight	46.000	150	44Zet Per	2.8900	28000.	92	43873	No
30	GOM_TRA_1PNPDE20100722_023506_000000462091_00232_43873_8624.N1	22-JUL-2010 02:35:06	Twilight	46.000	146	25Eta Tau	2.8730	15200.	92	43873	No
31	GOM_TRA_1PNPDE20100722_023641_000000452091_00232_43873_8625.N1	22-JUL-2010 02:36:41	Dark	45.000	13	87Alp Tau	0.86700	3800.0	90	43873	No
32	GOM_TRA_1PNPDE20100722_024633_000000472091_00232_43873_8626.N1	22-JUL-2010 02:46:33	Dark	47.000	165	34Gam Eri	2.9500	3200.0	94	43873	No
33	GOM_TRA_1PNPDE20100722_025545_000000432091_00232_43873_8627.N1	22-JUL-2010 02:55:45	Dark	43.000	157	The1Eri	2.9060	9300.0	86	43873	No
34	GOM_TRA_1PNPDE20100722_030146_000000542091_00233_43874_8628.N1	22-JUL-2010 03:01:46	Dark	53.500	9	Alp Eri	0.45300	24000.	107	43874	No
35	GOM_TRA_1PNPDE20100722_030527_000000592091_00233_43874_8629.N1	22-JUL-2010 03:05:27	Straylight	58.500	84	Alp Phe	2.3970	4500.0	117	43874	No
36	GOM_TRA_1PNPDE20100722_030906_000000442091_00233_43874_8630.N1	22-JUL-2010 03:09:06	Straylight	44.000	148	Alp Tuc	2.8780	4100.0	88	43874	No
37	GOM_TRA_1PNPDE20100722_031044_000000552091_00233_43874_8631.N1	22-JUL-2010 03:10:44	Straylight	54.500	63	Bet Gru	2.1500	2800.0	109	43874	No
38	GOM_TRA_1PNPDE20100722_031211_000000472091_00233_43874_8632.N1	22-JUL-2010 03:12:11	Straylight	46.500	31	Alp Gru	1.7340	15200.	93	43874	No
39	GOM_TRA_1PNPDE20100722_031524_000000492091_00233_43874_8633.N1	22-JUL-2010 03:15:24	Straylight	49.000	172	Gam Gru	3.0030	13100.	98	43874	No
40	GOM_TRA_1PNPDE20100722_033256_000000432091_00233_43874_8634.N1	22-JUL-2010 03:32:56	Bright	42.500	11	53Alp Aql	0.76500	8000.0	85	43874	No
41	GOM_TRA_1PNPDE20100722_034107_000000412091_00233_43874_8635.N1	22-JUL-2010 03:41:07	Bright	41.000	5	3Alp Lyr	0.033000	11000.	82	43874	No
42	GOM_TRA_1PNPDE20100722_034354_000000402091_00233_43874_8636.N1	22-JUL-2010 03:43:54	Bright	39.500	144	18Del Cyg	2.8600	11000.	79	43874	No
43	GOM_TRA_1PNPDE20100722_034547_000000462091_00233_43874_8636.N1	22-JUL-2010 03:45:47	Bright	45.500	19	50Alp Cyg	1.2460	10500.	91	43874	Yes
44	GOM_TRA_1PNPDE20100722_035057_000000412091_00233_43874_8637.N1	22-JUL-2010 03:50:57	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	43874	No
45	GOM_TRA_1PNPDE20100722_035946_000000512091_00233_43874_8638.N1	22-JUL-2010 03:59:46	Bright	50.500	76	27Gam Cas	2.3000	30000.	101	43874	No
46	GOM_TRA_1PNPDE20100722_040518_000000452091_00233_43874_8639.N1	22-JUL-2010 04:05:18	Bright	44.500	160	23Gam Per	2.9300	4700.0	89	43874	No
47	GOM_TRA_1PNPDE20100722_040645_000000632091_00233_43874_8640.N1	22-JUL-2010 04:06:45	Bright	63.000	35	33Alp Per	1.7950	6250.0	126	43874	No
48	GOM_TRA_1PNPDE20100722_040948_000000522091_00233_43874_8641.N1	22-JUL-2010 04:09:48	Bright	52.000	79	26Bet Per	2.3100	13100.	104	43874	No
49	GOM_TRA_1PNPDE20100722_041257_000000442091_00233_43874_8642.N1	22-JUL-2010 04:12:57	Twilight	44.000	150	44Zet Per	2.8900	28000.	88	43874	No
50	GOM_TRA_1PNPDE20100722_041542_000000452091_00233_43874_8643.N1	22-JUL-2010 04:15:42	Twilight	45.000	146	25Eta Tau	2.8730	15200.	90	43874	No
51	GOM_TRA_1PNPDE20100722_041717_000000512091_00233_43874_8644.N1	22-JUL-2010 04:17:17	Dark	51.000	13	87Alp Tau	0.86700	3800.0	102	43874	No
52	GOM_TRA_1PNPDE20100722_042709_000000512091_00233_43874_8645.N1	22-JUL-2010 04:27:09	Dark	50.500	165	34Gam Eri	2.9500	3200.0	101	43874	No
53	GOM_TRA_1PNPDE20100722_043622_000000442091_00233_43874_8646.N1	22-JUL-2010 04:36:22	Dark	43.500	157	The1Eri	2.9060	9300.0	87	43874	No
54	GOM_TRA_1PNPDE20100722_044222_000000532091_00234_43875_8647.N1	22-JUL-2010 04:42:22	Dark	52.500	9	Alp Eri	0.45300	24000.	105	43875	No
55	GOM_TRA_1PNPDE20100722_044604_000000542091_00234_43875_8648.N1	22-JUL-2010 04:46:04	Straylight	53.500	84	Alp Phe	2.3970	4500.0	107	43875	No
56	GOM_TRA_1PNPDE20100722_044943_000000412091_00234_43875_8649.N1	22-JUL-2010 04:49:43	Straylight	41.000	148	Alp Tuc	2.8780	4100.0	82	43875	No
57	GOM_TRA_1PNPDE20100722_045121_000000532091_00234_43875_8650.N1	22-JUL-2010 04:51:21	Straylight	52.500	63	Bet Gru	2.1500	2800.0	105	43875	No
58	GOM_TRA_1PNPDE20100722_045248_000000452091_00234_43875_8651.N1	22-JUL-2010 04:52:48	Straylight	45.000	31	Alp Gru	1.7340	15200.	90	43875	No
59	GOM_TRA_1PNPDE20100722_045601_000000492091_00234_43875_8652.N1	22-JUL-2010 04:56:01	Straylight	48.500	172	Gam Gru	3.0030	13100.	97	43875	No
60	GOM_TRA_1PNPDE20100722_051332_000000422091_00234_43875_8653.N1	22-JUL-2010 05:13:32	Bright	42.000	11	53Alp Aql	0.76500	8000.0	84	43875	No
61	GOM_TRA_1PNPDE20100722_052142_000000422091_00234_43875_8654.N1	22-JUL-2010 05:21:42	Bright	41.500	5	3Alp Lyr	0.033000	11000.	83	43875	No
62	GOM_TRA_1PNPDE20100722_052430_000000392091_00234_43875_8655.N1	22-JUL-2010 05:24:30	Bright	39.000	144	18Del Cyg	2.8600	11000.	78	43875	No
63	GOM_TRA_1PNPDE20100722_052622_000000482091_00234_43875_8656.N1	22-JUL-2010 05:26:22	Bright	48.000	19	50Alp Cyg	1.2460	10500.	96	43875	No
64	GOM_TRA_1PNPDE20100722_053132_000000442091_00234_43875_8657.N1	22-JUL-2010 05:31:32	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	43875	No
65	GOM_TRA_1PNPDE20100722_054022_000000492091_00234_43875_8673.N1	22-JUL-2010 05:40:22	Bright	48.500	76	27Gam Cas	2.3000	30000.	97	43875	Yes
66	GOM_TRA_1PNPDE20100722_054554_000000442091_00234_43875_8674.N1	22-JUL-2010 05:45:54	Bright	43.500	160	23Gam Per	2.9300	4700.0	87	43875	No
67	GOM_TRA_1PNPDE20100722_054721_000000632091_00234_43875_8675.N1	22-JUL-2010 05:47:21	Bright	63.000	35	33Alp Per	1.7950	6250.0	126	43875	No
68	GOM_TRA_1PNPDE20100722_055024_000000522091_00234_43875_8676.N1	22-JUL-2010 05:50:24	Bright	51.500	79	26Bet Per	2.3100	13100.	103	43875	No
69	GOM_TRA_1PNPDE20100722_055333_000000462091_00234_43875_8677.N1	22-JUL-2010 05:53:33	Twilight	46.000	150	44Zet Per	2.8900	28000.	92	43875	No



70	GOM_TRA_1PNPDE20100722_055618_000000482091_00234_43875_8678.N1	22-JUL-2010 05:56:18	Twilight	47.500	146	25Eta Tau	2.8730	15200.	95	43875	No
71	GOM_TRA_1PNPDE20100722_055754_000000492091_00234_43875_8679.N1	22-JUL-2010 05:57:54	Dark	49.000	13	87Alp Tau	0.86700	3800.0	98	43875	No
72	GOM_TRA_1PNPDE20100722_060746_000000502091_00234_43875_8680.N1	22-JUL-2010 06:07:46	Dark	49.500	165	34Gam Eri	2.9500	3200.0	99	43875	No
73	GOM_TRA_1PNPDE20100722_061658_000000442091_00234_43875_8681.N1	22-JUL-2010 06:16:58	Dark	43.500	157	The1Eri	2.9060	9300.0	87	43875	No
74	GOM_TRA_1PNPDE20100722_062259_000000542091_00235_43876_8682.N1	22-JUL-2010 06:22:59	Dark	54.000	9	Alp Eri	0.45300	24000.	108	43876	No
75	GOM_TRA_1PNPDE20100722_062641_000000532091_00235_43876_8683.N1	22-JUL-2010 06:26:41	Straylight	52.500	84	Alp Phe	2.3970	4500.0	105	43876	No
76	GOM_TRA_1PNPDE20100722_063021_000000402091_00235_43876_8684.N1	22-JUL-2010 06:30:21	Straylight	40.000	148	Alp Tuc	2.8780	4100.0	80	43876	No
77	GOM_TRA_1PNPDE20100722_063158_000000642091_00235_43876_8685.N1	22-JUL-2010 06:31:58	Straylight	63.500	63	Bet Gru	2.1500	2800.0	127	43876	No
78	GOM_TRA_1PNPDE20100722_063324_000000462091_00235_43876_8686.N1	22-JUL-2010 06:33:24	Straylight	46.000	31	Alp Gru	1.7340	15200.	92	43876	No
79	GOM_TRA_1PNPDE20100722_063637_000000472091_00235_43876_8687.N1	22-JUL-2010 06:36:37	Straylight	46.500	172	Gam Gru	3.0030	13100.	93	43876	No
80	GOM_TRA_1PNPDE20100722_065408_000000452091_00235_43876_8688.N1	22-JUL-2010 06:54:08	Bright	45.000	11	53Alp Aql	0.76500	8000.0	90	43876	No
81	GOM_TRA_1PNPDE20100722_070219_000000362091_00235_43876_8689.N1	22-JUL-2010 07:02:19	Bright	36.000	5	3Alp Lyr	0.033000	11000.	72	43876	No
82	GOM_TRA_1PNPDE20100722_070505_000000402091_00235_43876_8690.N1	22-JUL-2010 07:05:05	Bright	40.000	144	18Del Cyg	2.8600	11000.	80	43876	No
83	GOM_TRA_1PNPDE20100722_070658_000000462091_00235_43876_8691.N1	22-JUL-2010 07:06:58	Bright	46.000	19	50Alp Cyg	1.2460	10500.	92	43876	No
84	GOM_TRA_1PNPDE20100722_071208_000000412091_00235_43876_8692.N1	22-JUL-2010 07:12:08	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	43876	No
85	GOM_TRA_1PNPDE20100722_072057_000000472091_00235_43876_8693.N1	22-JUL-2010 07:20:57	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	43876	No
86	GOM_TRA_1PNPDE20100722_200130_000000502091_00243_43884_8788.N1	22-JUL-2010 20:01:30	Straylight	50.000	172	Gam Gru	3.0030	13100.	100	43884	No
87	GOM_TRA_1PNPDE20100722_201854_000000412091_00243_43884_8789.N1	22-JUL-2010 20:18:54	Bright	41.000	11	53Alp Aql	0.76500	8000.0	82	43884	No
88	GOM_TRA_1PNPDE20100722_202705_000000362091_00243_43884_8790.N1	22-JUL-2010 20:27:05	Bright	35.500	5	3Alp Lyr	0.033000	11000.	71	43884	No
89	GOM_TRA_1PNPDE20100722_202950_000000432091_00243_43884_8791.N1	22-JUL-2010 20:29:50	Bright	42.500	144	18Del Cyg	2.8600	11000.	85	43884	No
90	GOM_TRA_1PNPDE20100722_203140_000000482091_00243_43884_8792.N1	22-JUL-2010 20:31:40	Bright	47.500	19	50Alp Cyg	1.2460	10500.	95	43884	No
91	GOM_TRA_1PNPDE20100722_203651_000000442091_00243_43884_8793.N1	22-JUL-2010 20:36:51	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	43884	No
92	GOM_TRA_1PNPDE20100722_204647_000000492091_00243_43884_8794.N1	22-JUL-2010 20:46:47	Bright	48.500	110	37Del Cas	2.6780	8900.0	97	43884	No
93	GOM_TRA_1PNPDE20100722_205115_000000452091_00243_43884_8795.N1	22-JUL-2010 20:51:15	Bright	44.500	160	23Gam Per	2.9300	4700.0	89	43884	No
94	GOM_TRA_1PNPDE20100722_205243_000000462091_00243_43884_8796.N1	22-JUL-2010 20:52:43	Bright	45.500	35	33Alp Per	1.7950	6250.0	91	43884	No
95	GOM_TRA_1PNPDE20100722_205547_000000502091_00243_43884_8797.N1	22-JUL-2010 20:55:47	Bright	49.500	79	26Bet Per	2.3100	13100.	99	43884	No
96	GOM_TRA_1PNPDE20100722_205858_000000482091_00243_43884_8798.N1	22-JUL-2010 20:58:58	Tw_i_and_stray	48.000	150	44Zet Per	2.8900	28000.	96	43884	No
97	GOM_TRA_1PNPDE20100722_210145_000000492091_00243_43884_8799.N1	22-JUL-2010 21:01:45	Twilight	49.000	146	25Eta Tau	2.8730	15200.	98	43884	No
98	GOM_TRA_1PNPDE20100722_210319_000000572091_00243_43884_8800.N1	22-JUL-2010 21:03:19	Dark	56.500	13	87Alp Tau	0.86700	3800.0	113	43884	No
99	GOM_TRA_1PNPDE20100722_211315_000000482091_00243_43884_8802.N1	22-JUL-2010 21:13:15	Dark	47.500	165	34Gam Eri	2.9500	3200.0	95	43884	No
100	GOM_TRA_1PNPDE20100722_212229_000000422091_00243_43884_8803.N1	22-JUL-2010 21:22:29	Dark	41.500	157	The1Eri	2.9060	9300.0	83	43884	No
101	GOM_TRA_1PNPDE20100722_212828_000000452091_00244_43885_8804.N1	22-JUL-2010 21:28:28	Dark	44.500	9	Alp Eri	0.45300	24000.	89	43885	No
102	GOM_TRA_1PNPDE20100722_213215_000000572091_00244_43885_8805.N1	22-JUL-2010 21:32:15	Straylight	57.000	84	Alp Phe	2.3970	4500.0	114	43885	No
103	GOM_TRA_1PNPDE20100722_213547_000000402091_00244_43885_8806.N1	22-JUL-2010 21:35:47	Straylight	40.000	148	Alp Tuc	2.8780	4100.0	80	43885	No
104	GOM_TRA_1PNPDE20100722_213728_000000652091_00244_43885_8807.N1	22-JUL-2010 21:37:28	Straylight	64.500	63	Bet Gru	2.1500	2800.0	129	43885	No
105	GOM_TRA_1PNPDE20100722_213853_000000452091_00244_43885_8808.N1	22-JUL-2010 21:38:53	Straylight	45.000	31	Alp Gru	1.7340	15200.	90	43885	No
106	GOM_TRA_1PNPDE20100722_214206_000000492091_00244_43885_8809.N1	22-JUL-2010 21:42:06	Straylight	49.000	172	Gam Gru	3.0030	13100.	98	43885	No
107	GOM_TRA_1PNPDE20100722_215929_000000422091_00244_43885_8810.N1	22-JUL-2010 21:59:29	Bright	41.500	11	53Alp Aql	0.76500	8000.0	83	43885	No
108	GOM_TRA_1PNPDE20100722_220741_000000402091_00244_43885_8811.N1	22-JUL-2010 22:07:41	Bright	40.000	5	3Alp Lyr	0.033000	11000.	80	43885	No
109	GOM_TRA_1PNPDE20100722_221025_000000402091_00244_43885_8812.N1	22-JUL-2010 22:10:25	Bright	39.500	144	18Del Cyg	2.8600	11000.	79	43885	No
110	GOM_TRA_1PNPDE20100722_221215_000000482091_00244_43885_8813.N1	22-JUL-2010 22:12:15	Bright	48.000	19	50Alp Cyg	1.2460	10500.	96	43885	No
111	GOM_TRA_1PNPDE20100722_221726_000000432091_00244_43885_8814.N1	22-JUL-2010 22:17:26	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	43885	No
112	GOM_TRA_1PNPDE20100722_222722_000000692091_00244_43885_8815.N1	22-JUL-2010 22:27:22	Bright	69.000	110	37Del Cas	2.6780	8900.0	138	43885	No
113	GOM_TRA_1PNPDE20100722_223151_000000632091_00244_43885_8816.N1	22-JUL-2010 22:31:51	Bright	63.000	160	23Gam Per	2.9300	4700.0	126	43885	No
114	GOM_TRA_1PNPDE20100722_223319_000000452091_00244_43885_8817.N1	22-JUL-2010 22:33:19	Bright	44.500	35	33Alp Per	1.7950	6250.0	89	43885	No
115	GOM_TRA_1PNPDE20100722_223623_000000522091_00244_43885_8818.N1	22-JUL-2010 22:36:23	Bright	51.500	79	26Bet Per	2.3100	13100.	103	43885	No
116	GOM_TRA_1PNPDE20100722_223934_000000492091_00244_43885_8819.N1	22-JUL-2010 22:39:34	Tw_i_and_stray	48.500	150	44Zet Per	2.8900	28000.	97	43885	No
117	GOM_TRA_1PNPDE20100722_224221_000000492091_00244_43885_8820.N1	22-JUL-2010 22:42:21	Twilight	49.000	146	25Eta Tau	2.8730	15200.	98	43885	No
118	GOM_TRA_1PNPDE20100722_224356_000000462091_00244_43885_8821.N1	22-JUL-2010 22:43:56	Dark	45.500	13	87Alp Tau	0.86700	3800.0	91	43885	No
119	GOM_TRA_1PNPDE20100722_225352_000000482091_00244_43885_8831.N1	22-JUL-2010 22:53:52	Dark	47.500	165	34Gam Eri	2.9500	3200.0	95	43885	No
120	GOM_TRA_1PNPDE20100722_230306_000000432091_00244_43885_8832.N1	22-JUL-2010 23:03:06	Dark	43.000	157	The1Eri	2.9060	9300.0	86	43885	No
121	GOM_TRA_1PNPDE20100722_230904_000000532091_00245_43886_8833.N1	22-JUL-2010 23:09:04	Dark	52.500	9	Alp Eri	0.45300	24000.	105	43886	No
122	GOM_TRA_1PNPDE20100722_231252_000000592091_00245_43886_8834.N1	22-JUL-2010 23:12:52	Straylight	58.500	84	Alp Phe	2.3970	4500.0	117	43886	No
123	GOM_TRA_1PNPDE20100722_231624_000000422091_00245_43886_8835.N1	22-JUL-2010 23:16:24	Straylight	41.500	148	Alp Tuc	2.8780	4100.0	83	43886	No
124	GOM_TRA_1PNPDE20100722_231804_000000582091_00245_43886_8836.N1	22-JUL-2010 23:18:04	Straylight	58.000	63	Bet Gru	2.1500	2800.0	116	43886	No
125	GOM_TRA_1PNPDE20100722_231930_000000472091_00245_43886_8837.N1	22-JUL-2010 23:19:30	Straylight	47.000	31	Alp Gru	1.7340	15200.	94	43886	No
126	GOM_TRA_1PNPDE20100722_232243_000000512091_00245_43886_8838.N1	22-JUL-2010 23:22:43	Straylight	50.500	172	Gam Gru	3.0030	13100.	101	43886	No
127	GOM_TRA_1PNPDE20100722_234005_000000412091_00245_43886_8839.N1	22-JUL-2010 23:40:05	Bright	40.500	11	53Alp Aql	0.76500	8000.0	81	43886	No
128	GOM_TRA_1PNPDE20100722_234817_000000362091_00245_43886_8840.N1	22-JUL-2010 23:48:17	Bright	36.000	5	3Alp Lyr	0.033000	11000.	72	43886	No

129	GOM_TRA_1PNPDE20100722_235101_000000412091_00245_43886_8841.N1	22-JUL-2010 23:51:01	Bright	40.500	144	18Del Cyg	2.8600	11000.	81	43886	No
130	GOM_TRA_1PNPDE20100722_235250_000000502091_00245_43886_8842.N1	22-JUL-2010 23:52:50	Bright	50.000	19	50Alp Cyg	1.2460	10500.	100	43886	No
131	GOM_TRA_1PNPDE20100722_235802_000000432091_00245_43886_8843.N1	22-JUL-2010 23:58:02	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	43886	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.

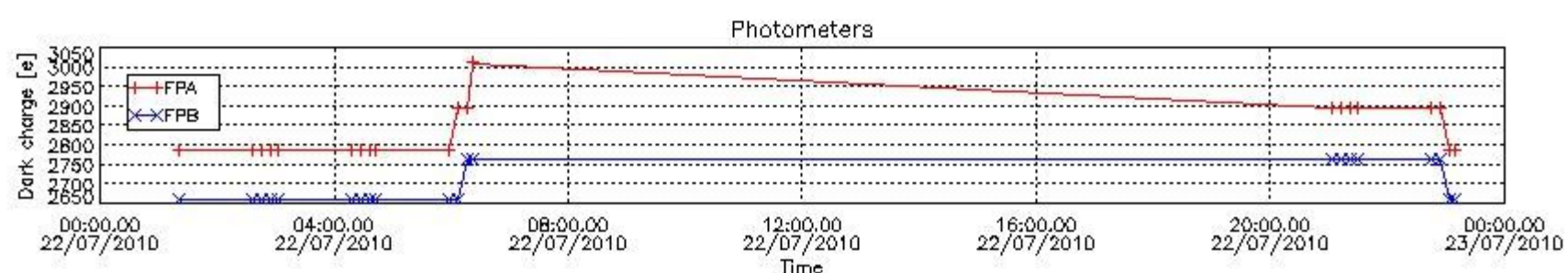
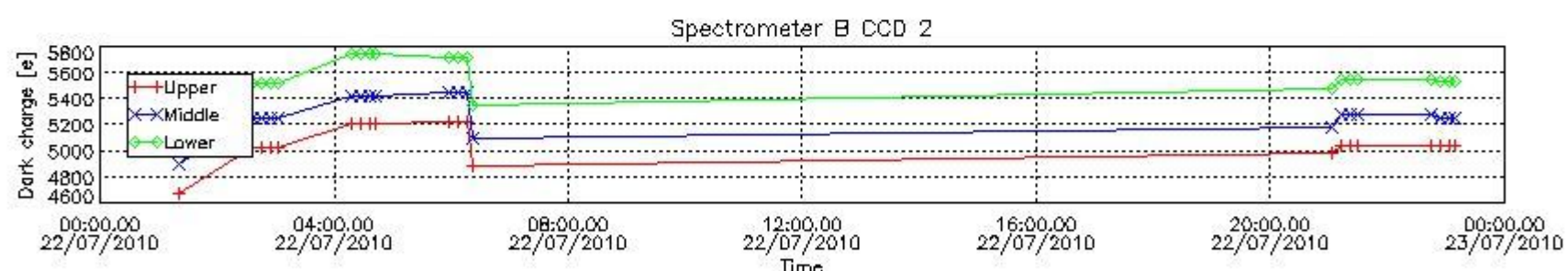
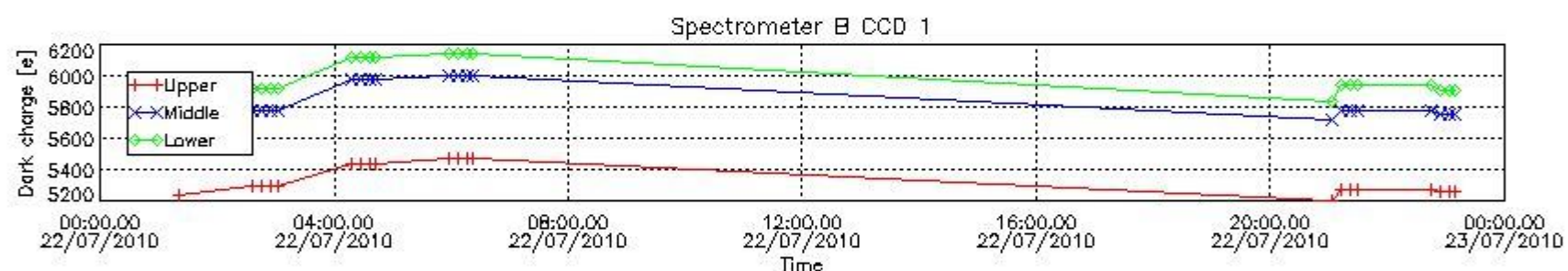
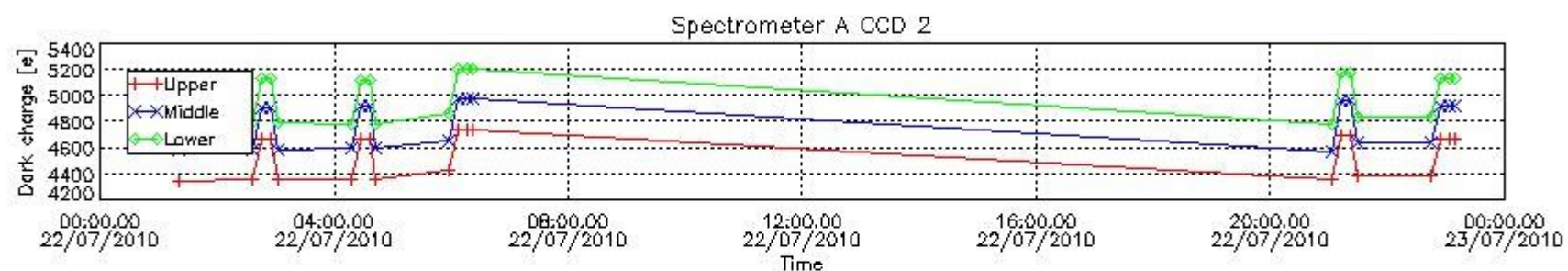
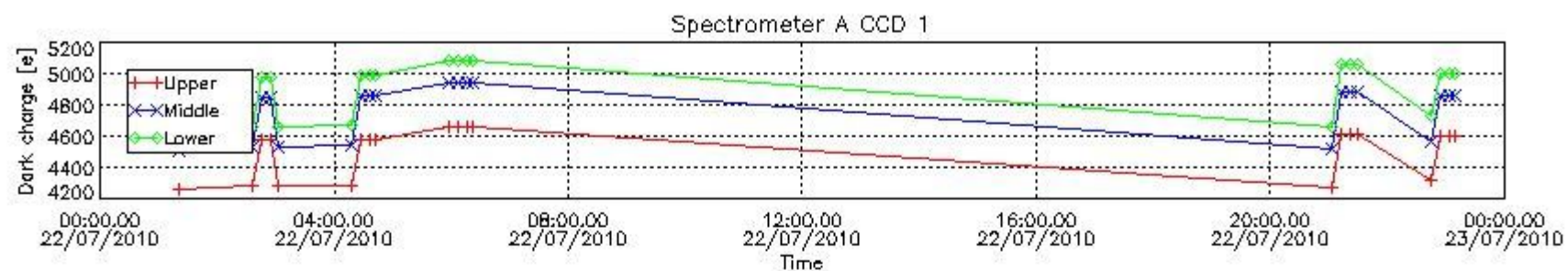
#### 4.1 These products did not use the DSA observation for DC computation:

Product name	DC information
GOM_TRA_1PNPDE20100722_200130_000000502091_00243_43884_8788.N1	DC map used
GOM_TRA_1PNPDE20100722_201854_000000412091_00243_43884_8789.N1	DC map used
GOM_TRA_1PNPDE20100722_202705_000000362091_00243_43884_8790.N1	DC map used
GOM_TRA_1PNPDE20100722_202950_000000432091_00243_43884_8791.N1	DC map used
GOM_TRA_1PNPDE20100722_203140_000000482091_00243_43884_8792.N1	DC map used
GOM_TRA_1PNPDE20100722_203651_000000442091_00243_43884_8793.N1	DC map used
GOM_TRA_1PNPDE20100722_204647_000000492091_00243_43884_8794.N1	DC map used



GOM_TRA_1PNPDE20100722_205115_000000452091_00243_43884_8795.N1	DC map used
GOM_TRA_1PNPDE20100722_205243_000000462091_00243_43884_8796.N1	DC map used
GOM_TRA_1PNPDE20100722_205547_000000502091_00243_43884_8797.N1	DC map used
GOM_TRA_1PNPDE20100722_205858_000000482091_00243_43884_8798.N1	DC map used
GOM_TRA_1PNPDE20100722_210145_000000492091_00243_43884_8799.N1	DC map used
GOM_TRA_1PNPDE20100722_210319_000000572091_00243_43884_8800.N1	DC map used

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



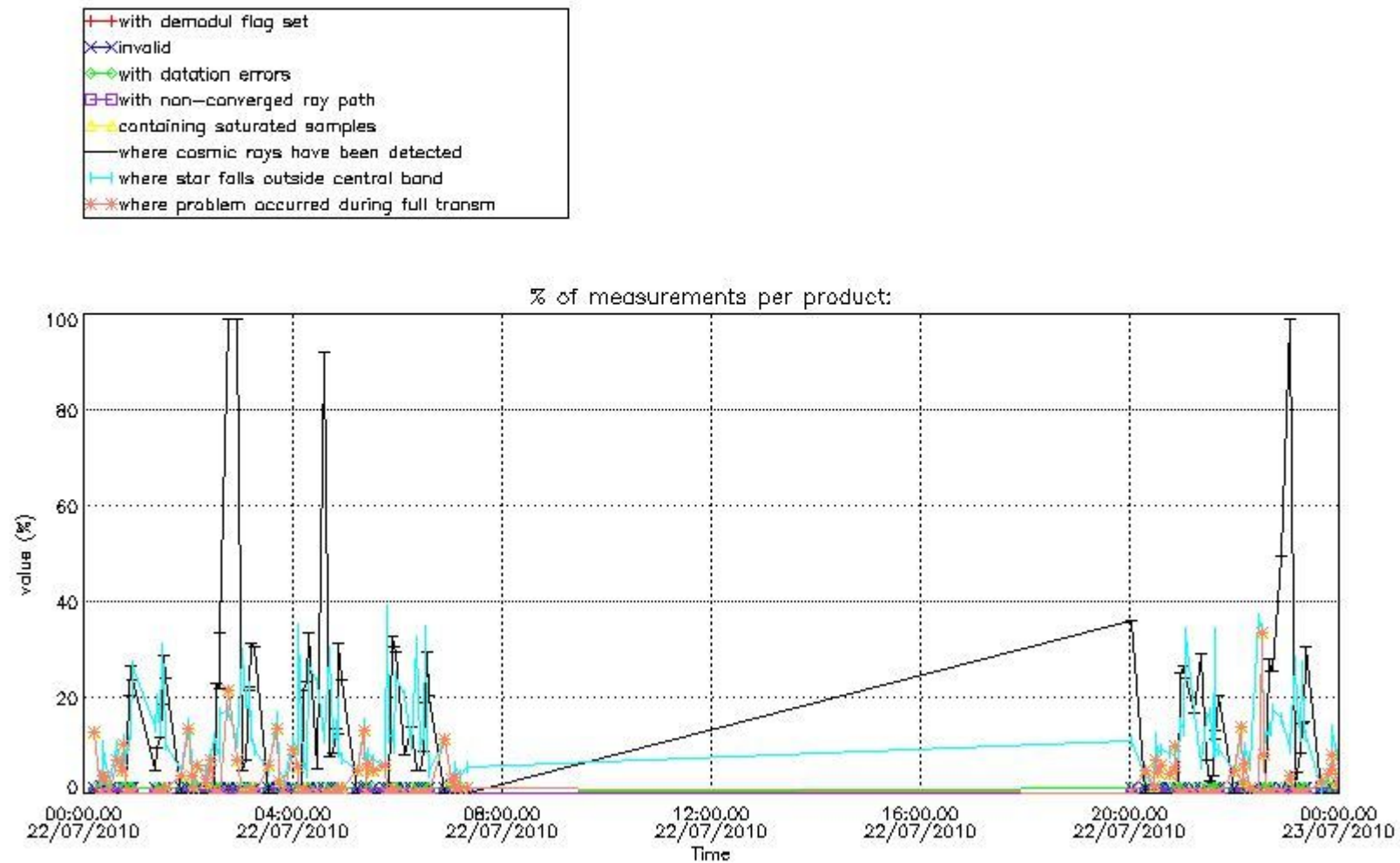
## 5. Demodulation flag and quality information monitoring

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:

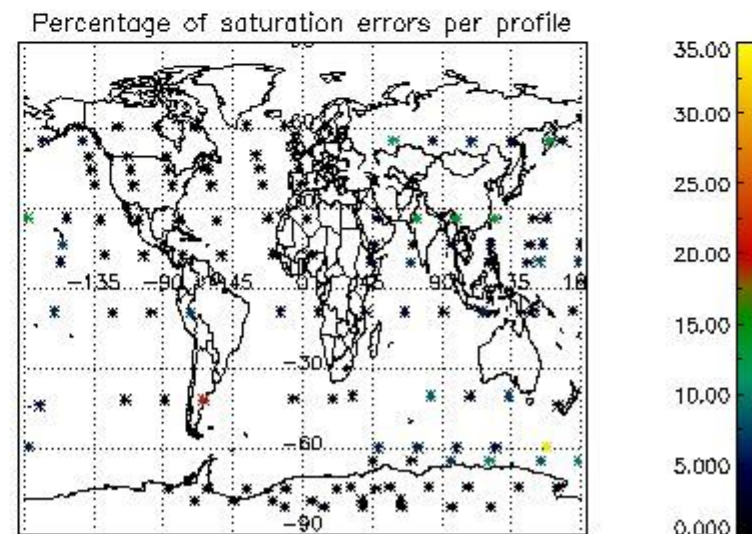
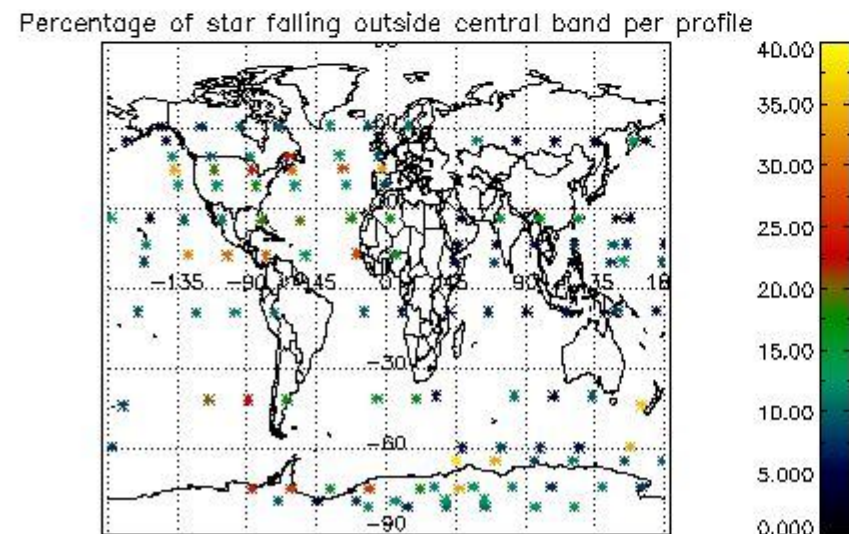
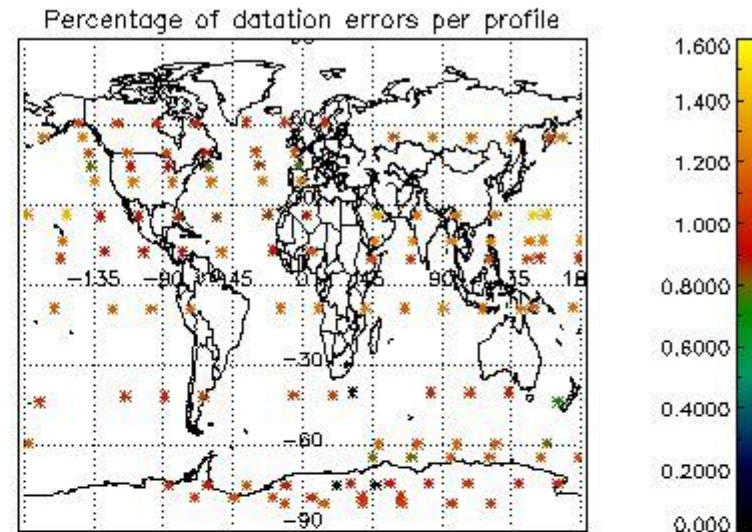
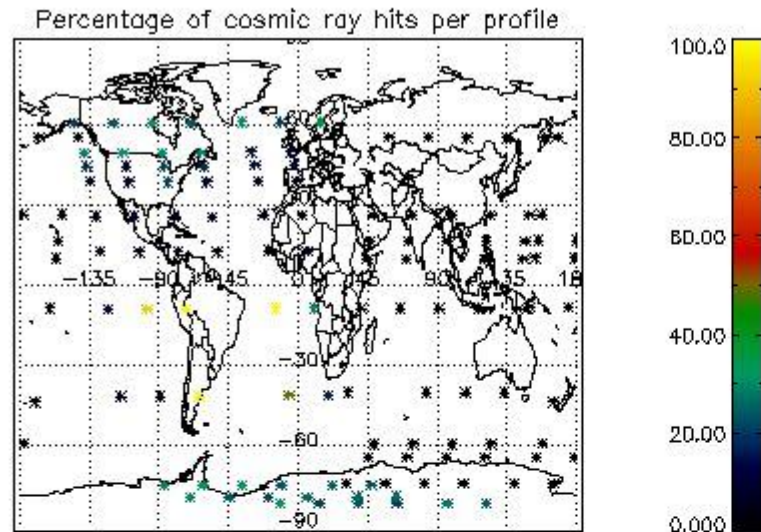
At least one measurement with demodulation flag set:	43.7500 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

### 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)

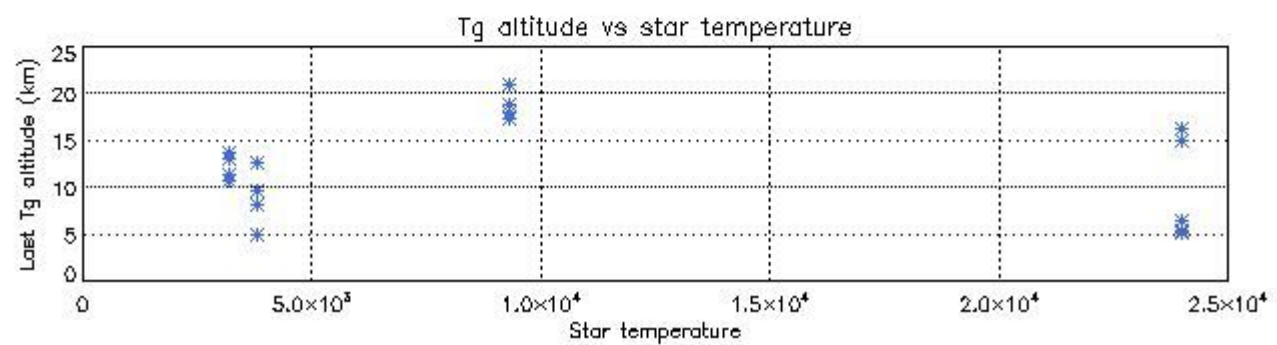
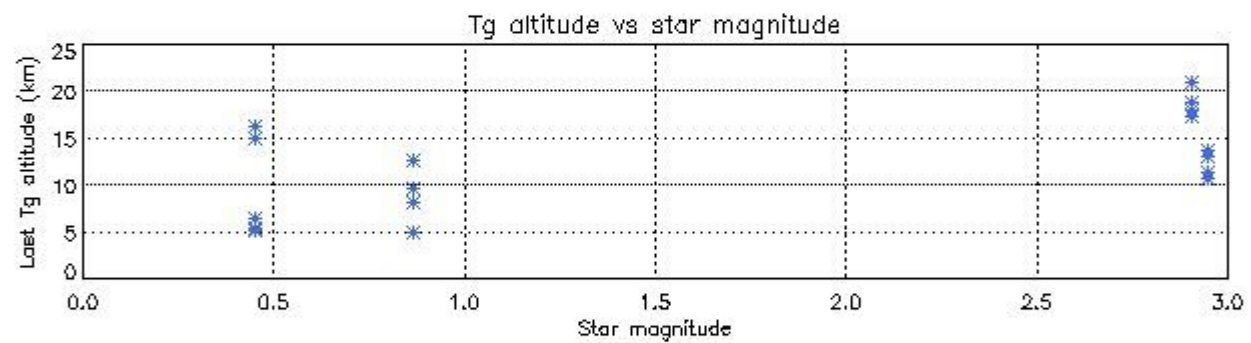
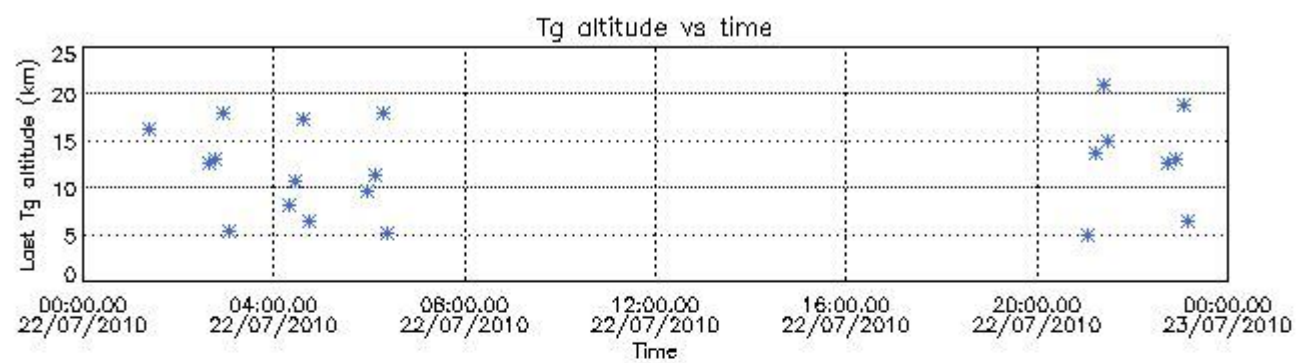
### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	12.246	19.170	15.477
St. deviation:	4.9168	4.8463	3.7034
Maximum:	20.900	26.835	19.689
Minimum:	4.8938	3.6236	8.1269
Number of data:	21.000	63.000	7.0000

### 6.2 Plot for DARK limb products

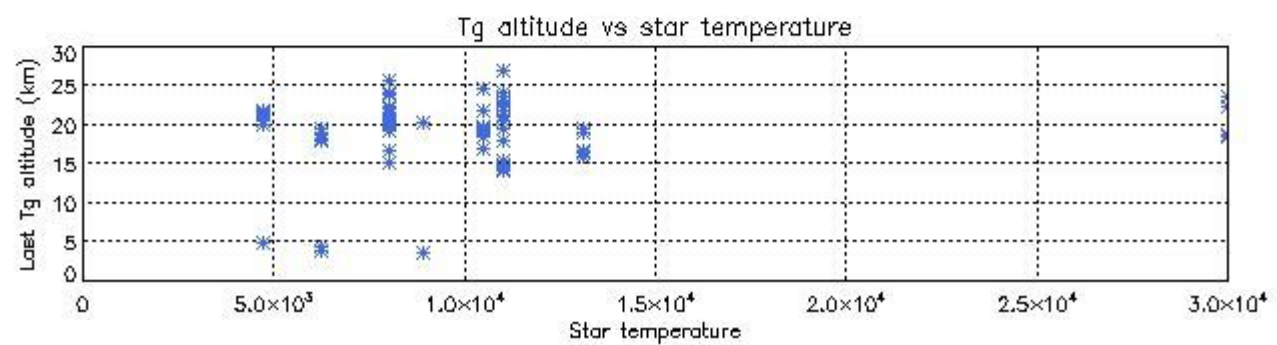
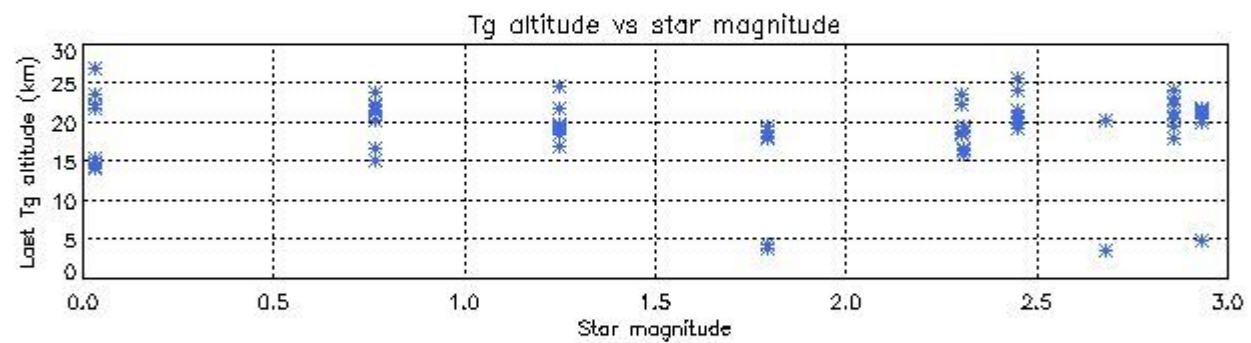
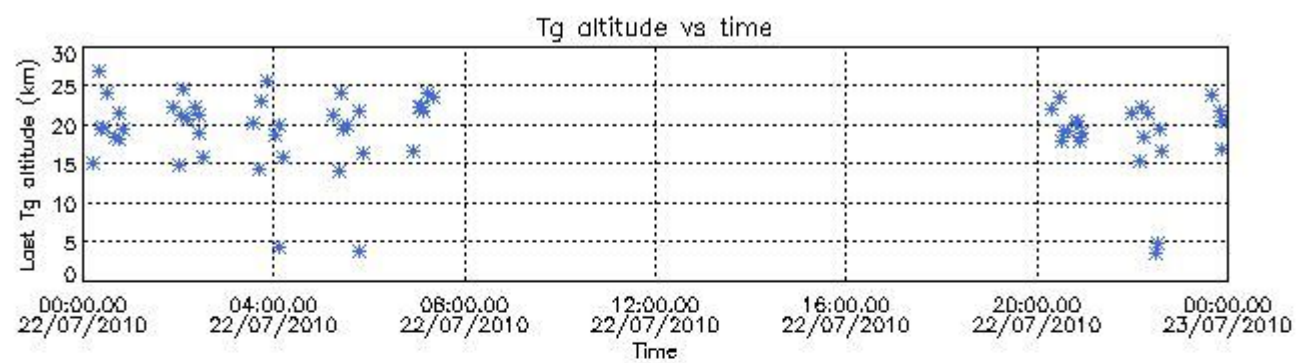


Tangent altitude at which the star is lost



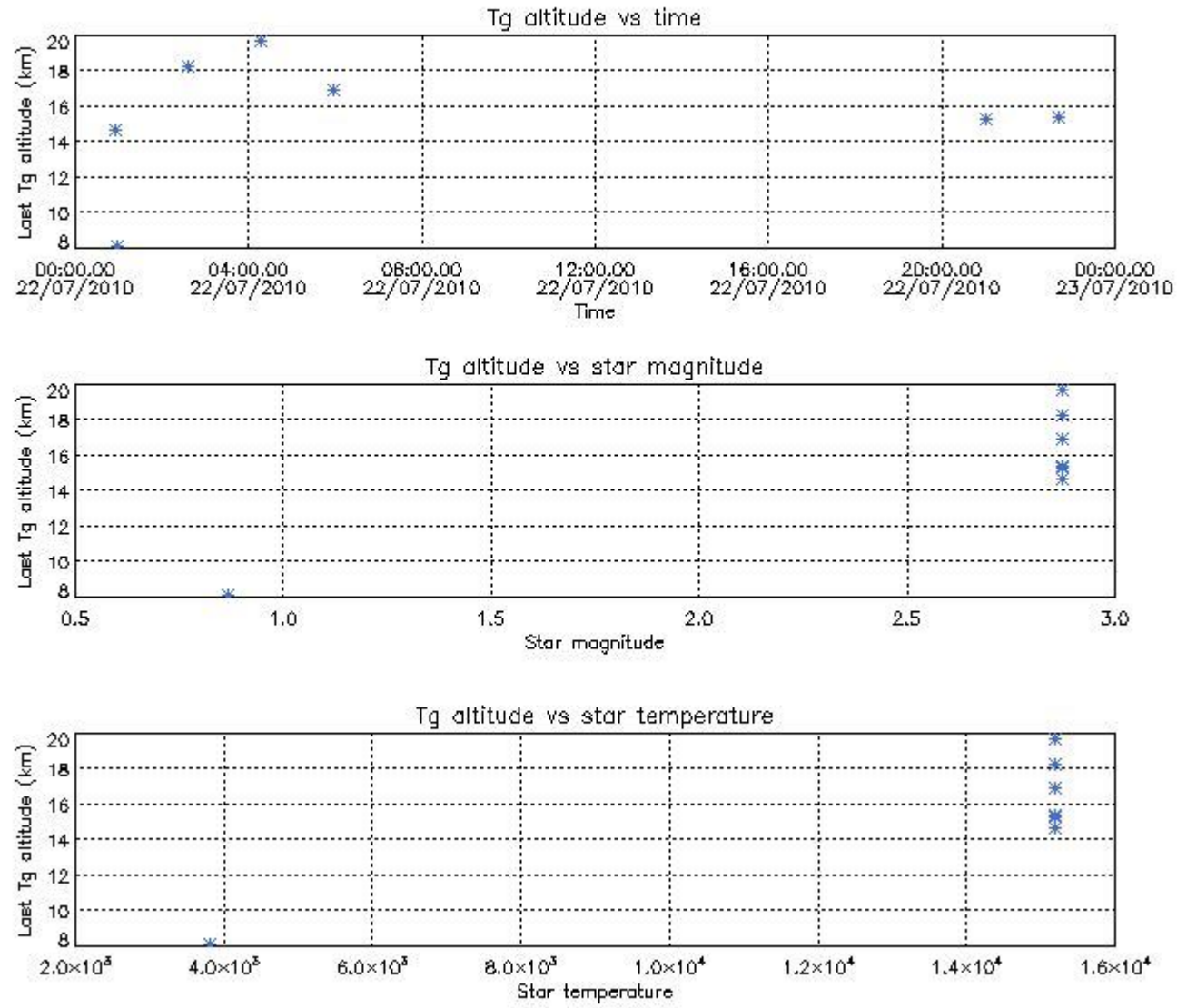
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

## Tangent altitude at which the star is lost



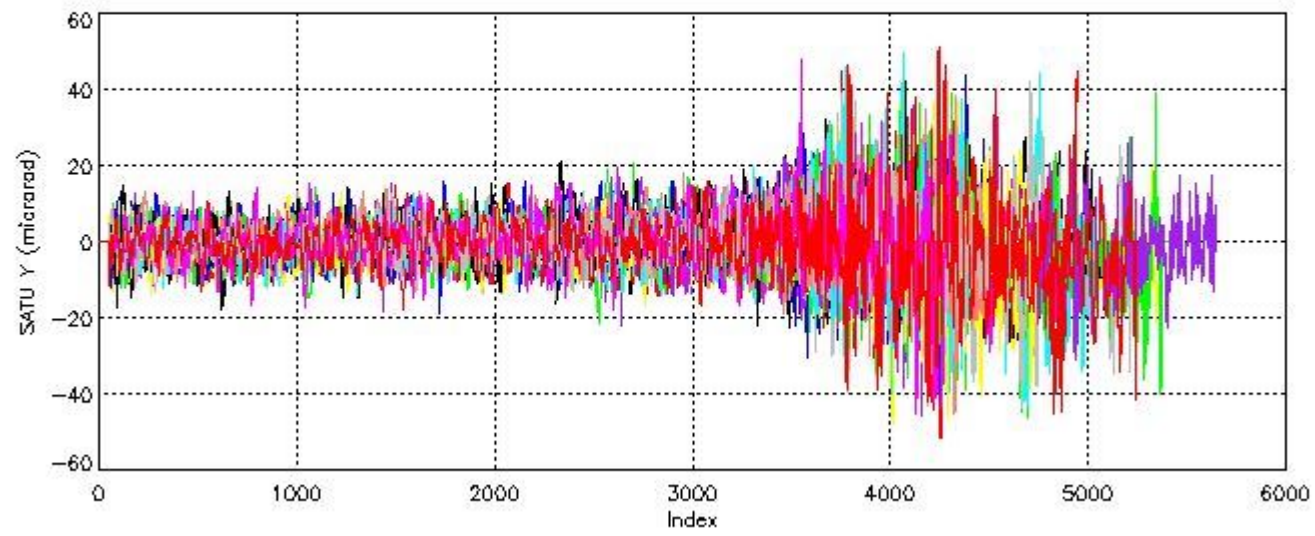
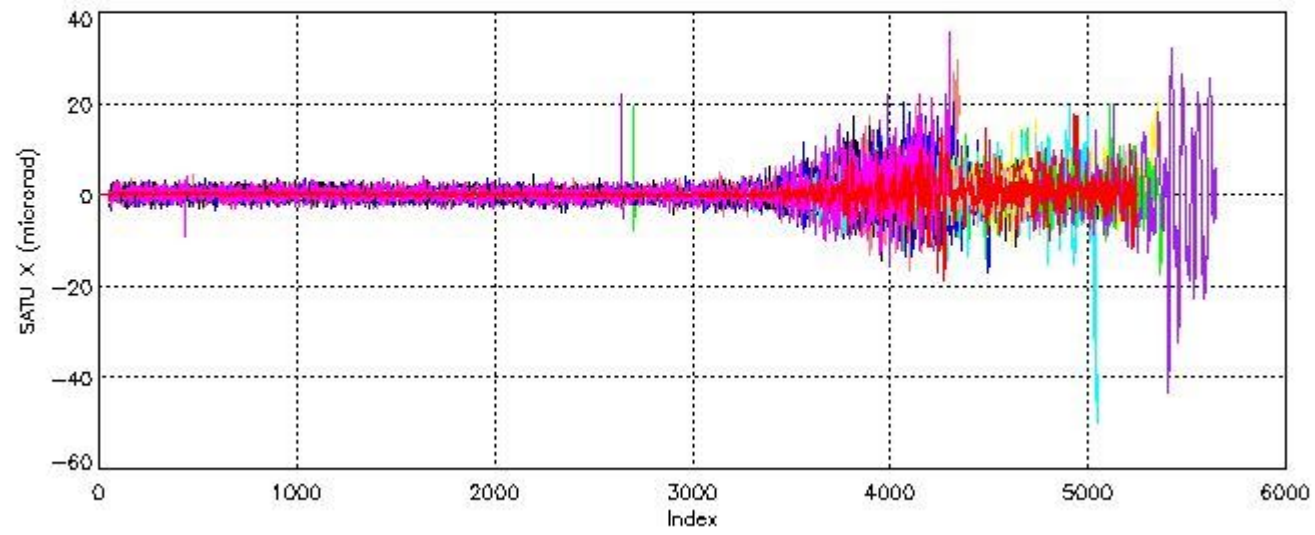
## 7. Star Acquisition and Tracking Unit (SATU)

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:	0.17394	-0.90479	0.21690	-0.59461
St. deviation:	0.43521	4.0843	0.72505	4.1458
Maximum:	4.3000	14.900	6.4000	25.400
Minimum:	-9.0000	-18.000	-5.5000	-32.000

Number of data:	20500.	20500.	65650.	65650.
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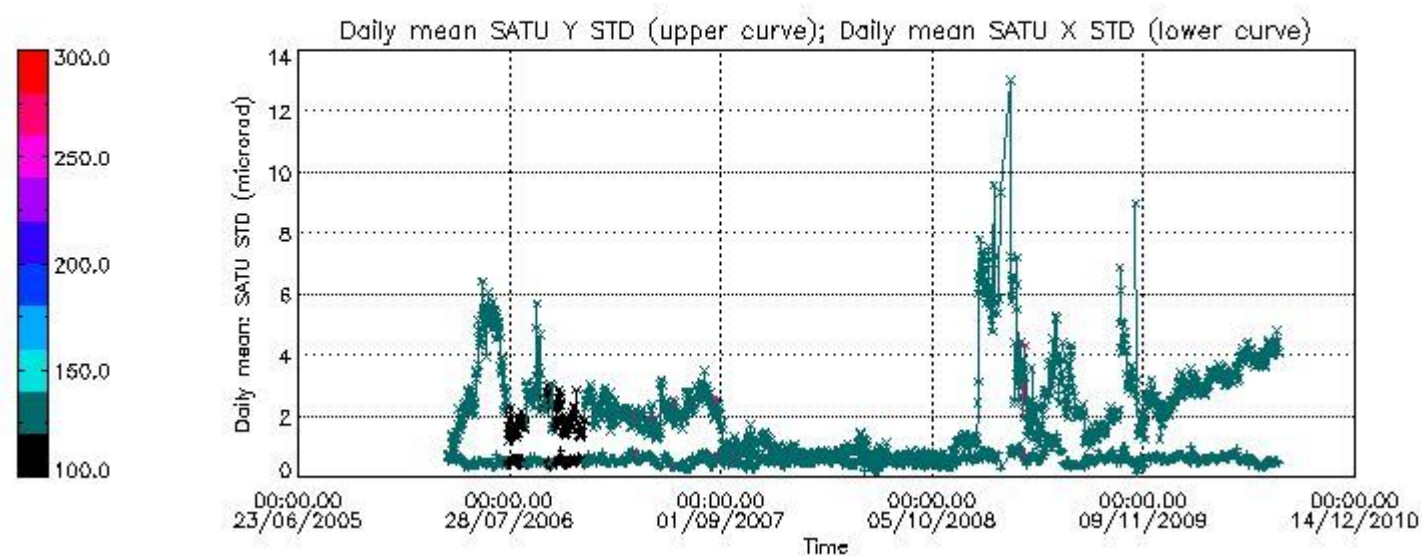
### 7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

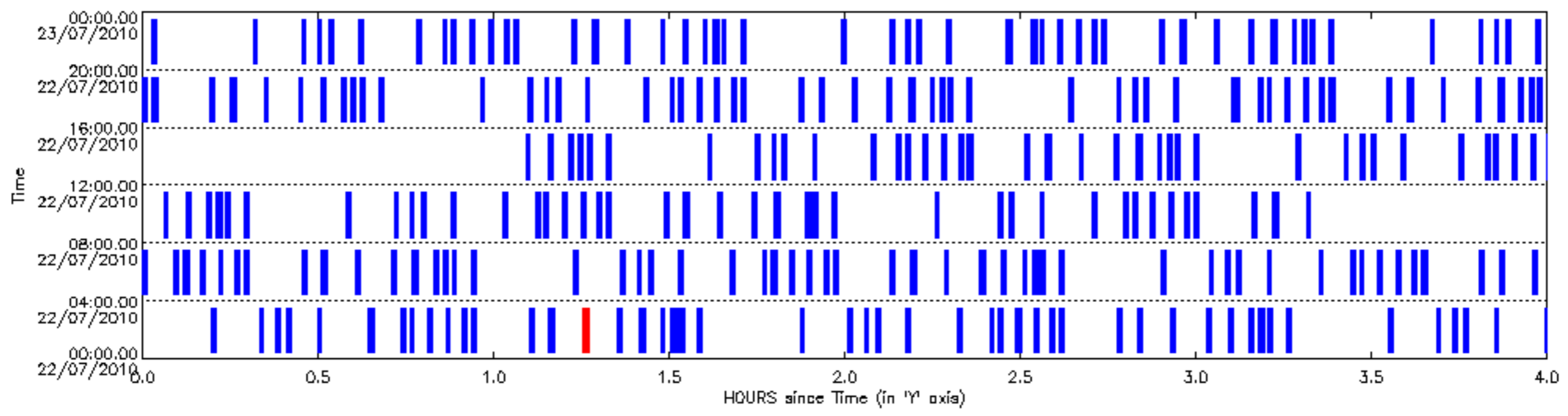
Lower curve: STD of SATU X axis



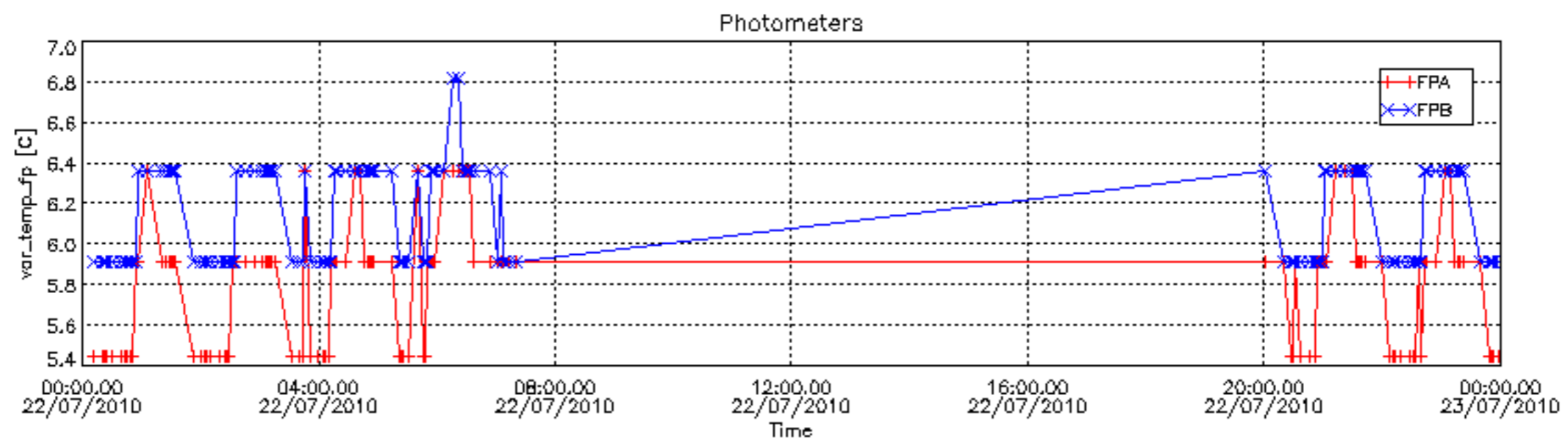
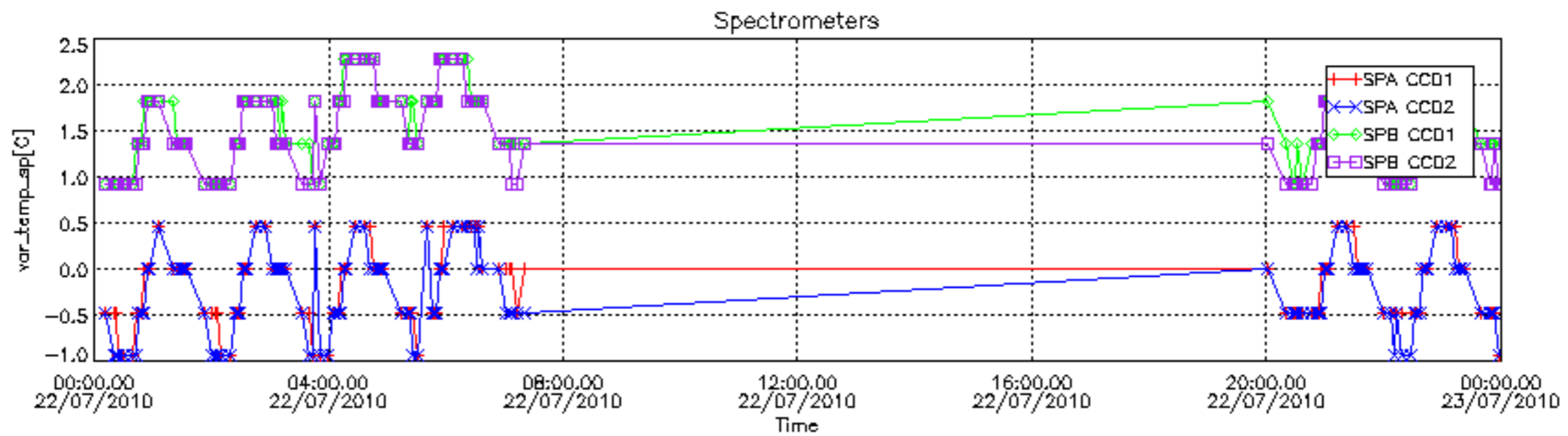
### 8. Auxiliary Data Files used for the production reported in section 2.4

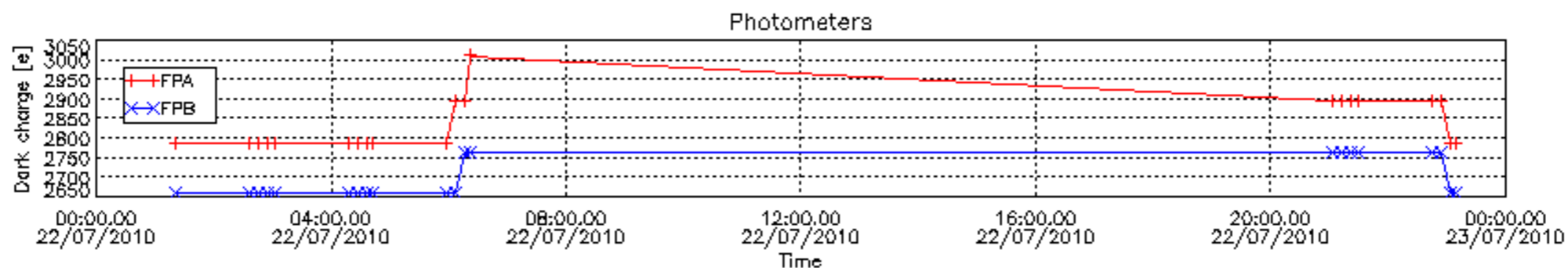
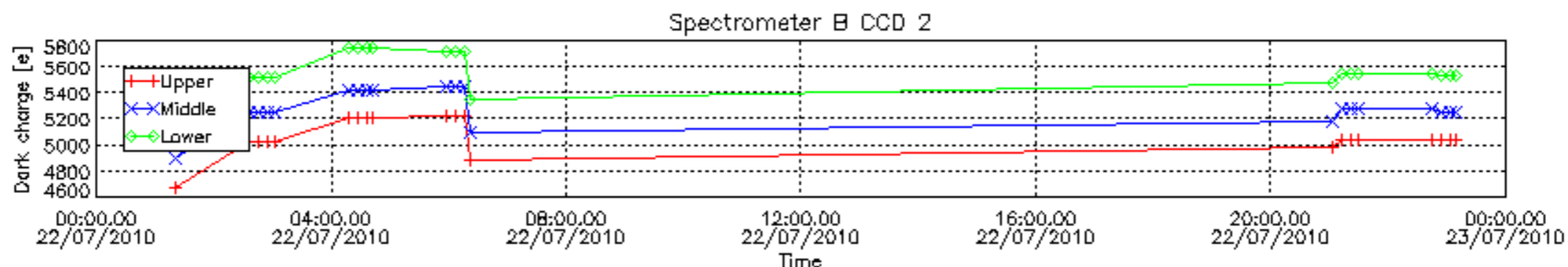
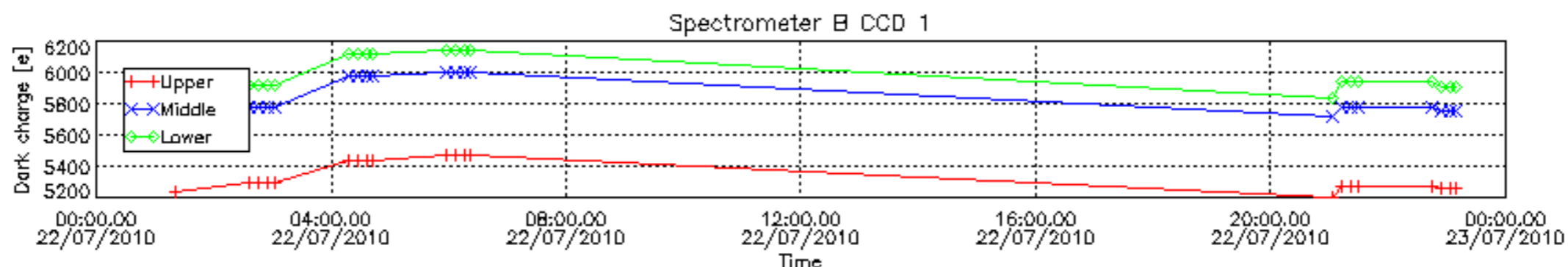
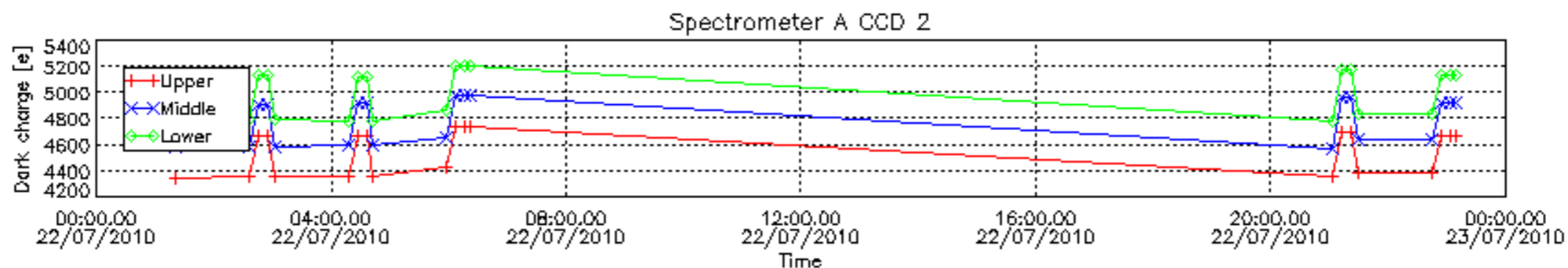
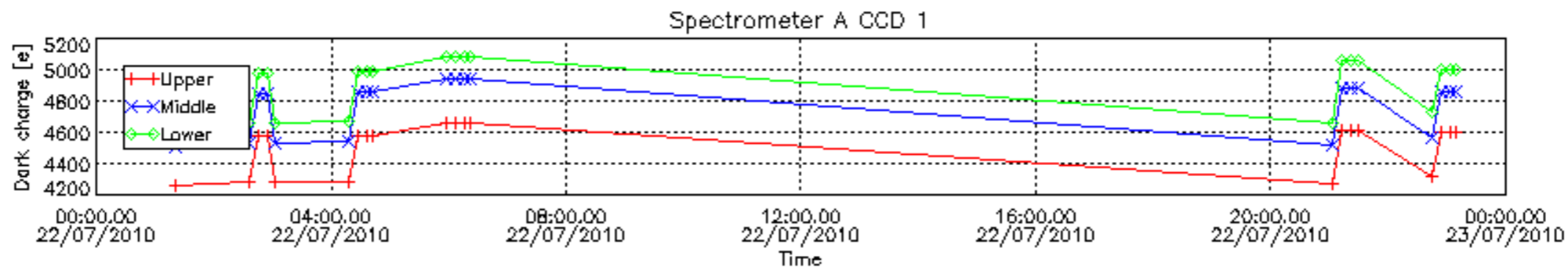
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

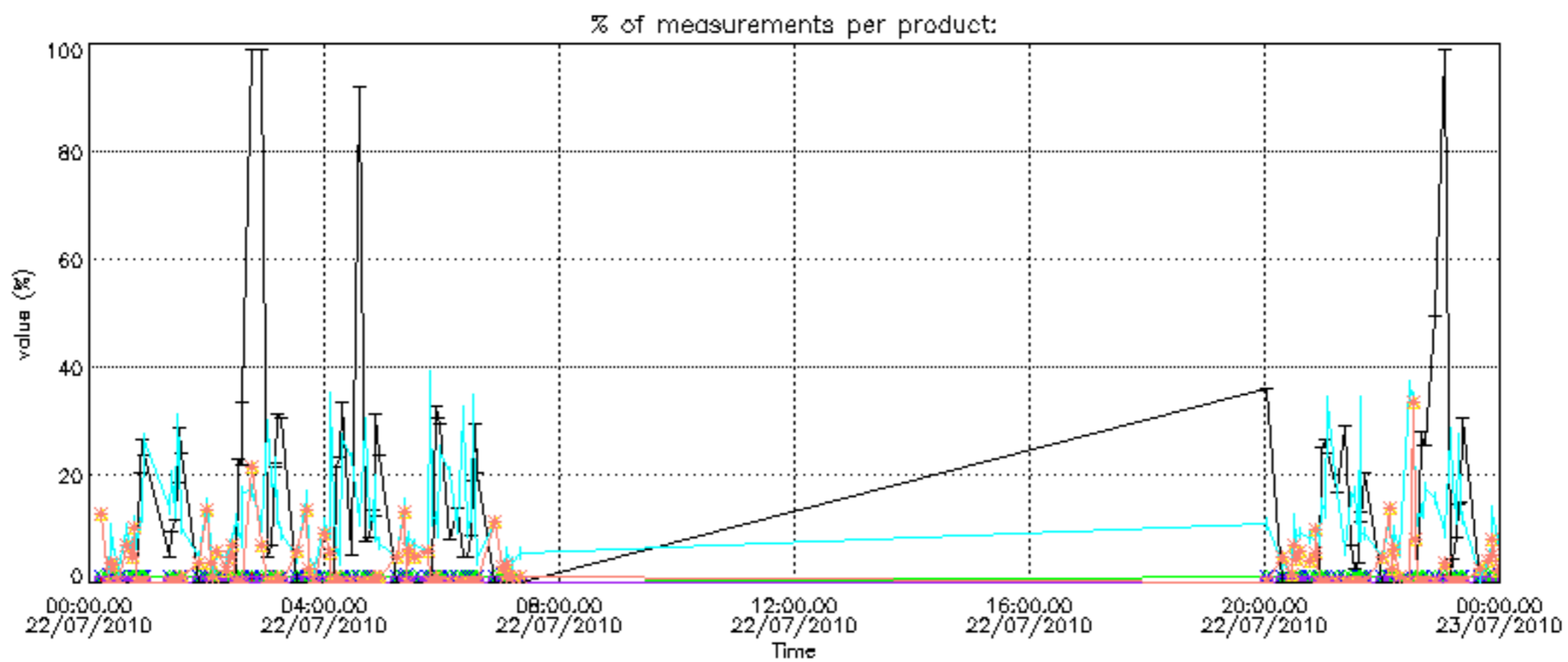
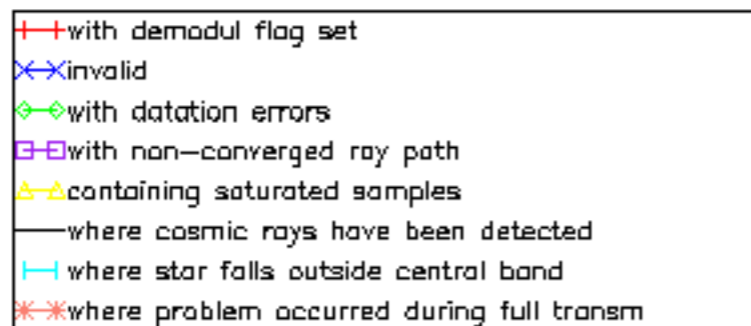
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	22-JUL-2010 00:11:45
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100720_095840_20100718_000000_20500101_000000	1	22-JUL-2010 00:11:45
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	22-JUL-2010 00:11:45
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	22-JUL-2010 00:11:45
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	22-JUL-2010 00:11:45
ECMWF_FILE	AUX_ECF_AXNECM20100721_054114_20100721_210000_20100722_090000	1	22-JUL-2010 00:11:45
ECMWF_FILE	AUX_ECF_AXNECM20100721_172115_20100722_030000_20100722_150000	43	22-JUL-2010 03:45:47
ECMWF_FILE	AUX_ECF_AXNECM20100722_052114_20100722_150000_20100723_030000	86	22-JUL-2010 20:01:30
ECMWF_FILE	AUX_ECF_AXNECM20100722_054113_20100722_210000_20100723_090000	99	22-JUL-2010 21:13:15
OPTIONAL_ECMWF_FILE	MISSING	1	22-JUL-2010 00:11:45
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ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100721_092114_20100720_190654_20100730_203308	13	22-JUL-2010 01:05:56
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100722_053553_000057382091_00234_43875_0798.N1	65	22-JUL-2010 05:40:22
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100722_195637_000038252091_00243_43884_0801.N1	86	22-JUL-2010 20:01:30
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20100722_092113_20100721_183517_20100731_200131	99	22-JUL-2010 21:13:15
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100722_225157_000057382091_00244_43885_0803.N1	119	22-JUL-2010 22:53:52





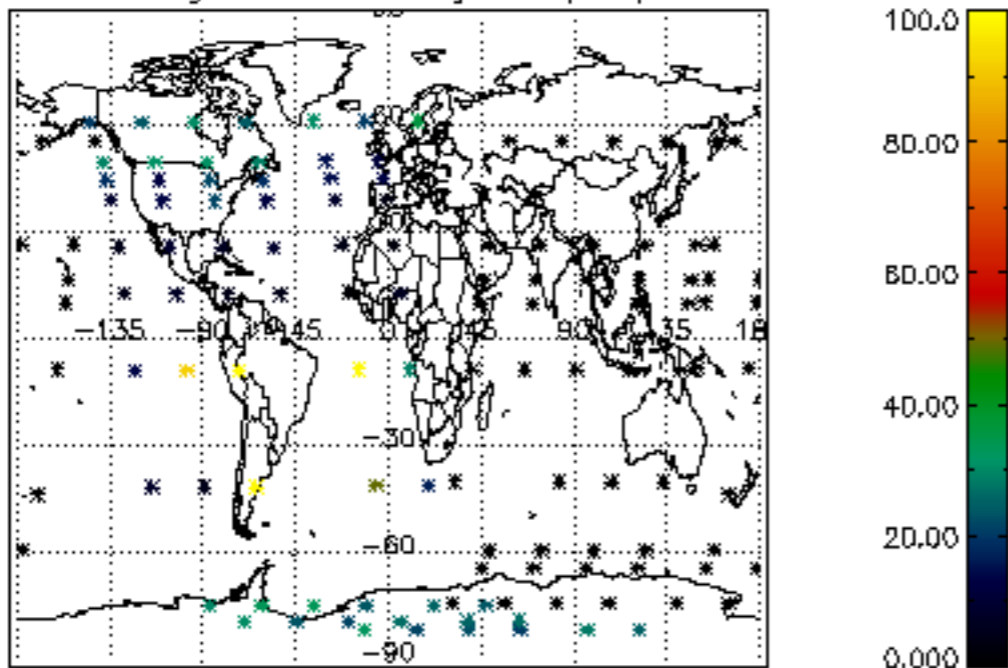




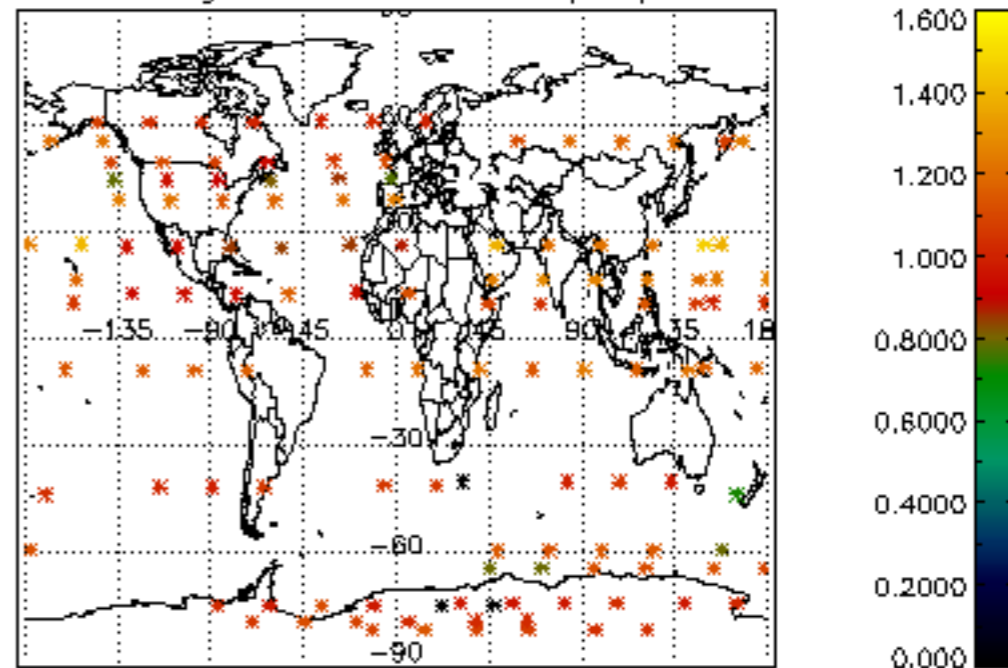




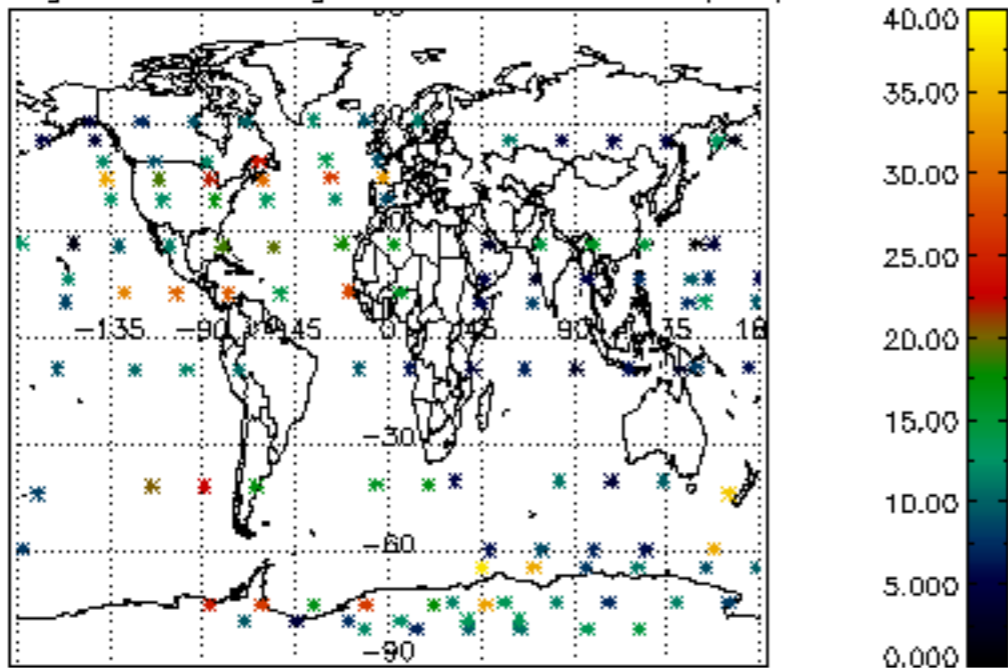
Percentage of cosmic ray hits per profile



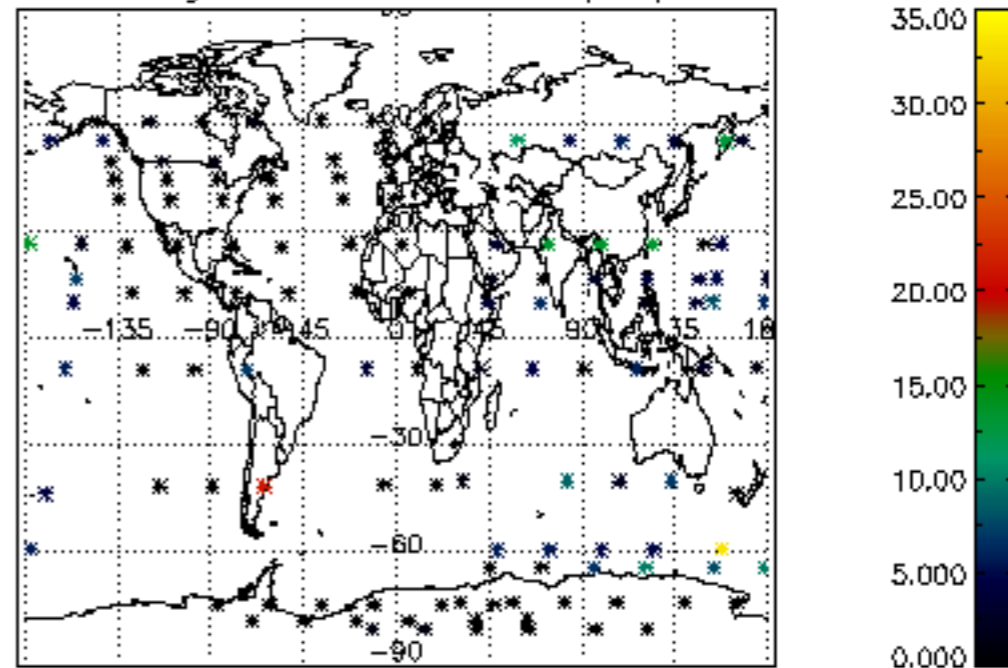
Percentage of datation errors per profile



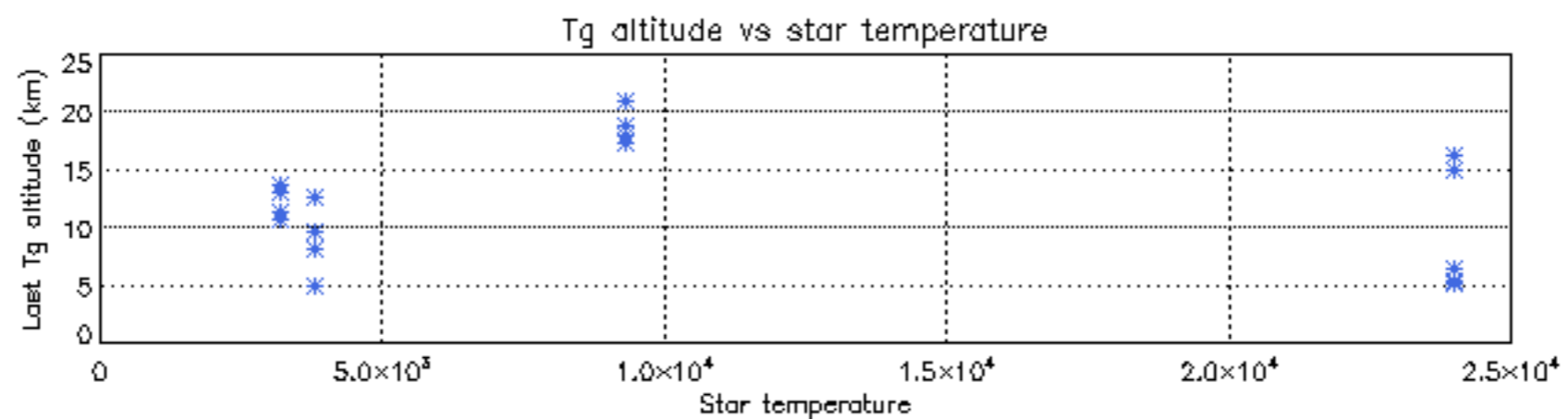
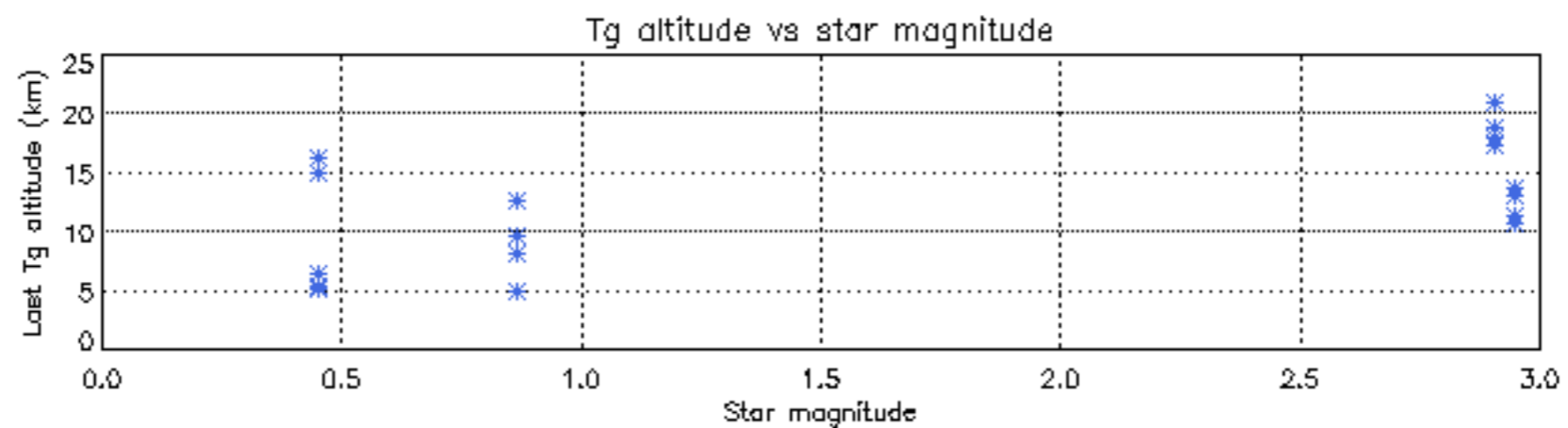
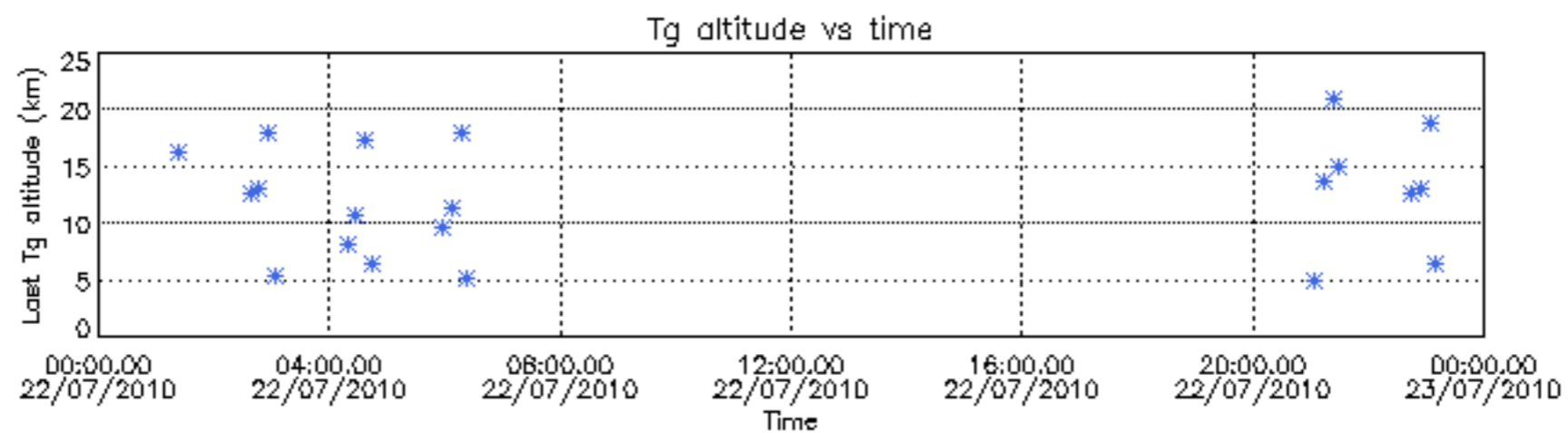
Percentage of star falling outside central band per profile



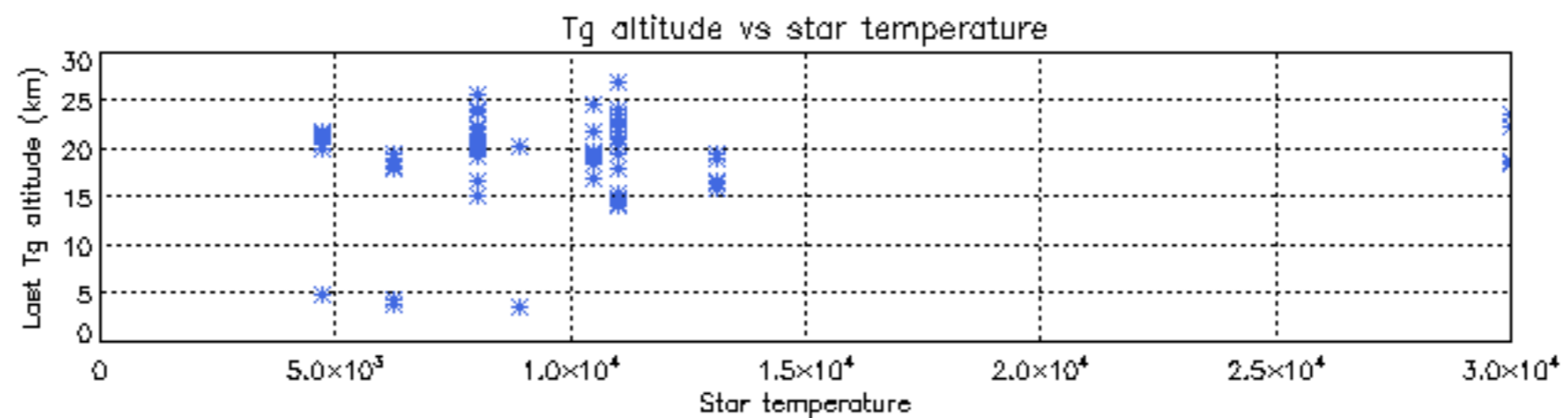
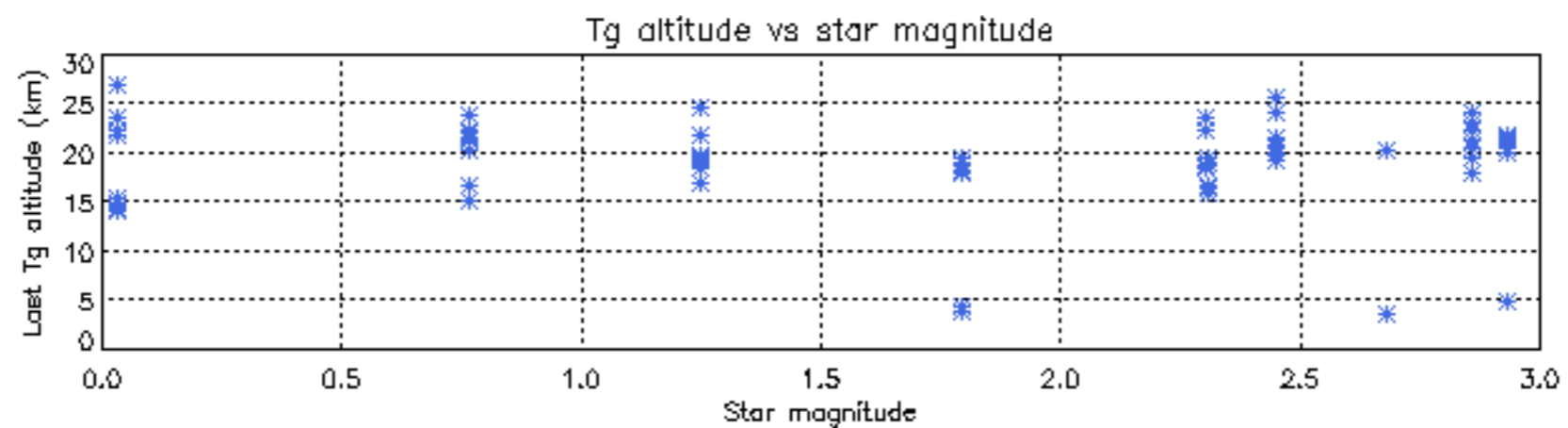
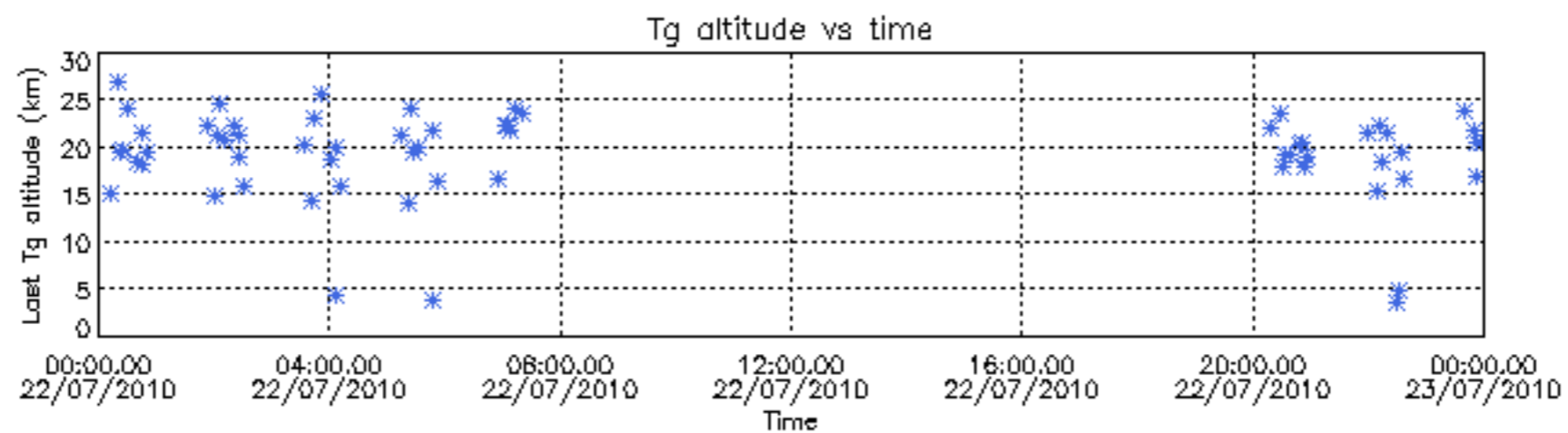
Percentage of saturation errors per profile



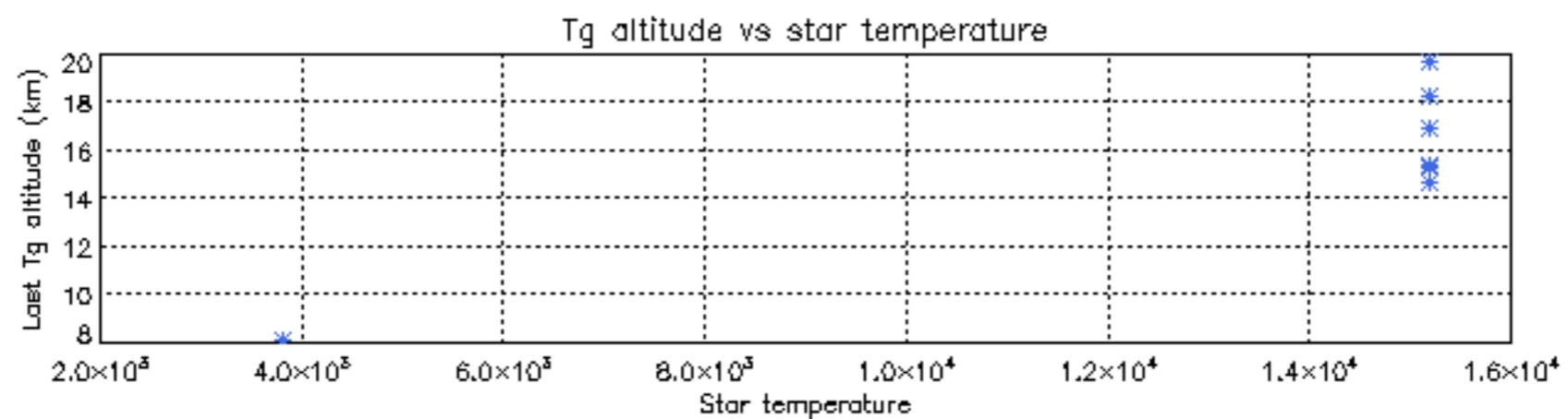
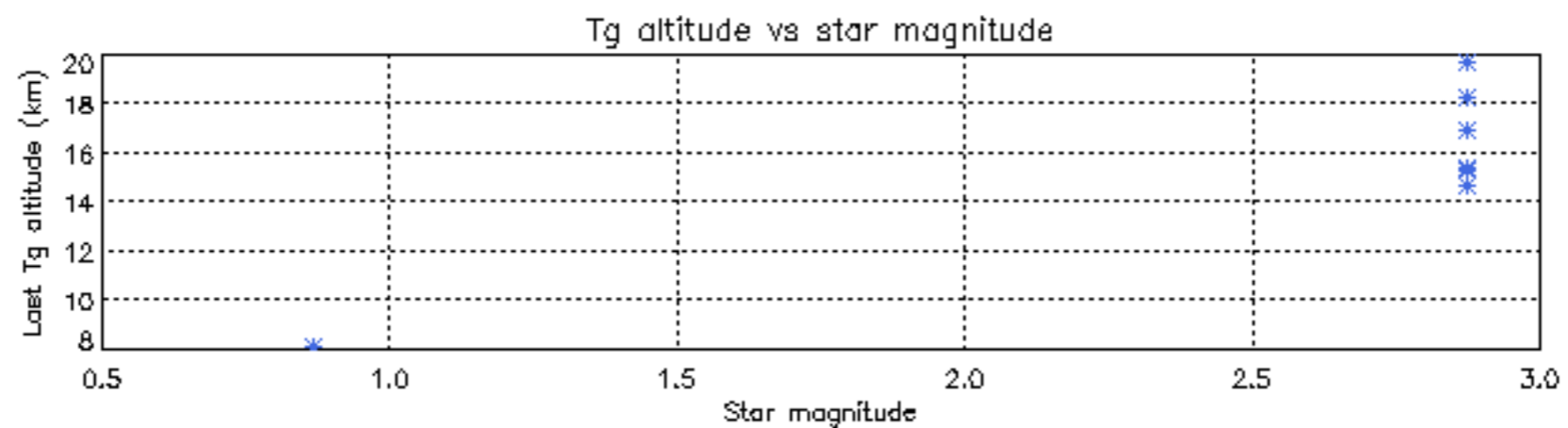
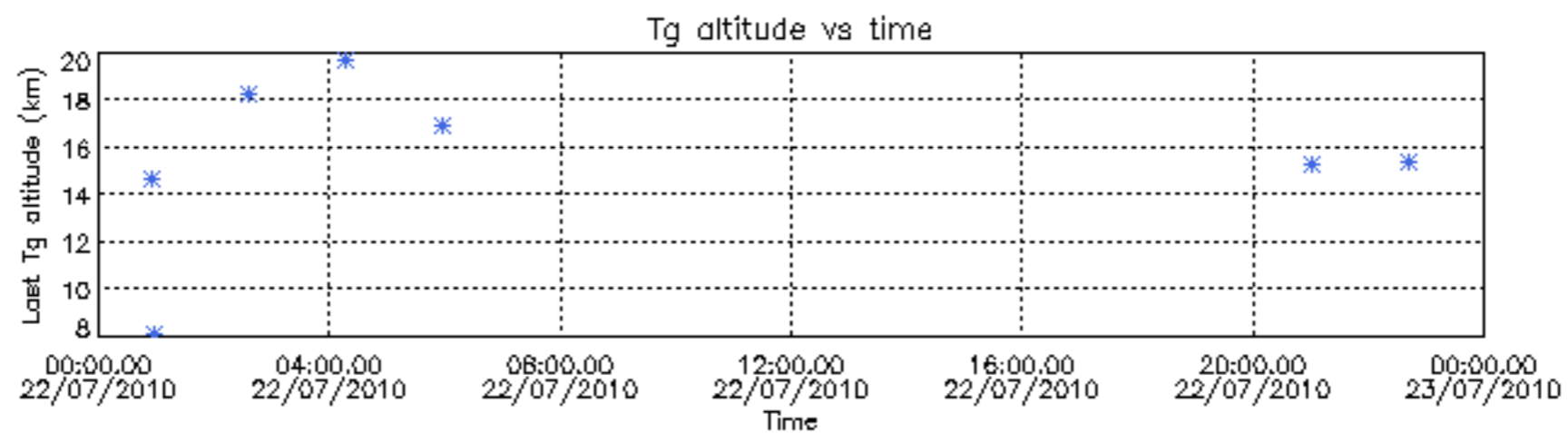
Tangent altitude at which the star is lost



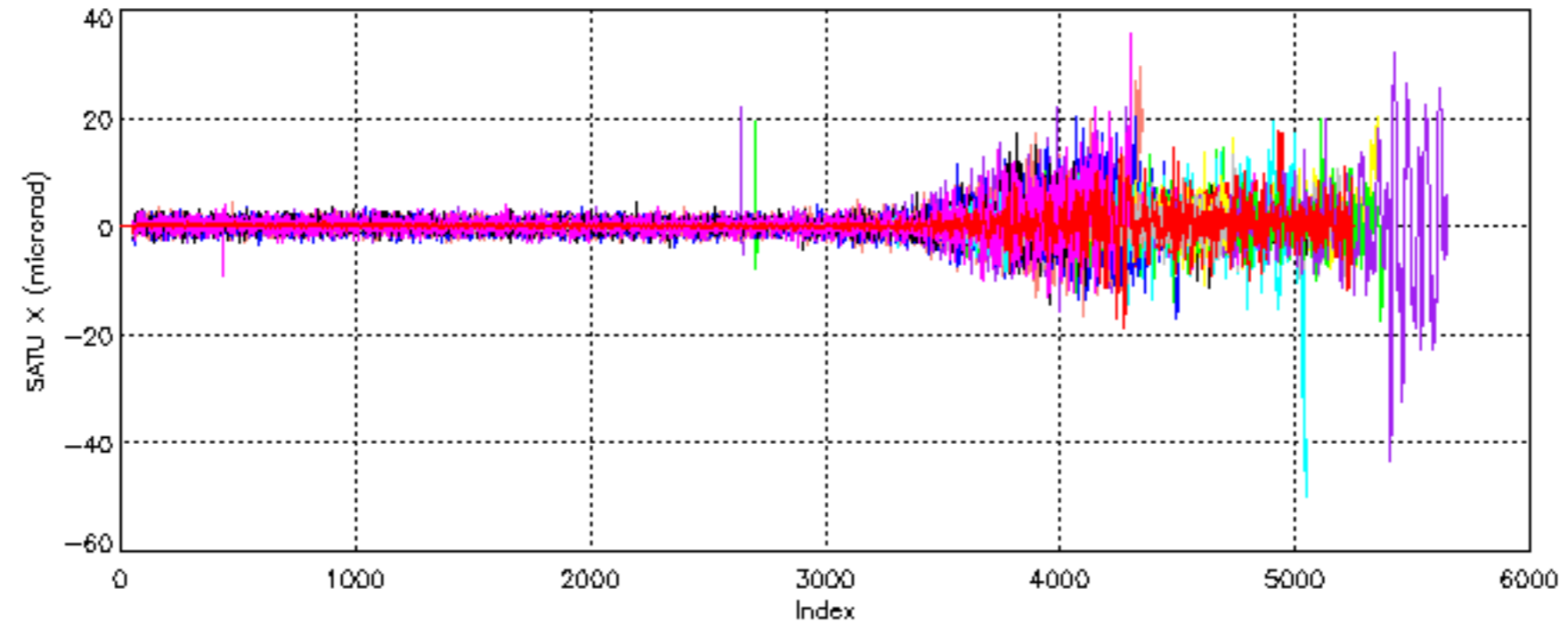
Tangent altitude at which the star is lost

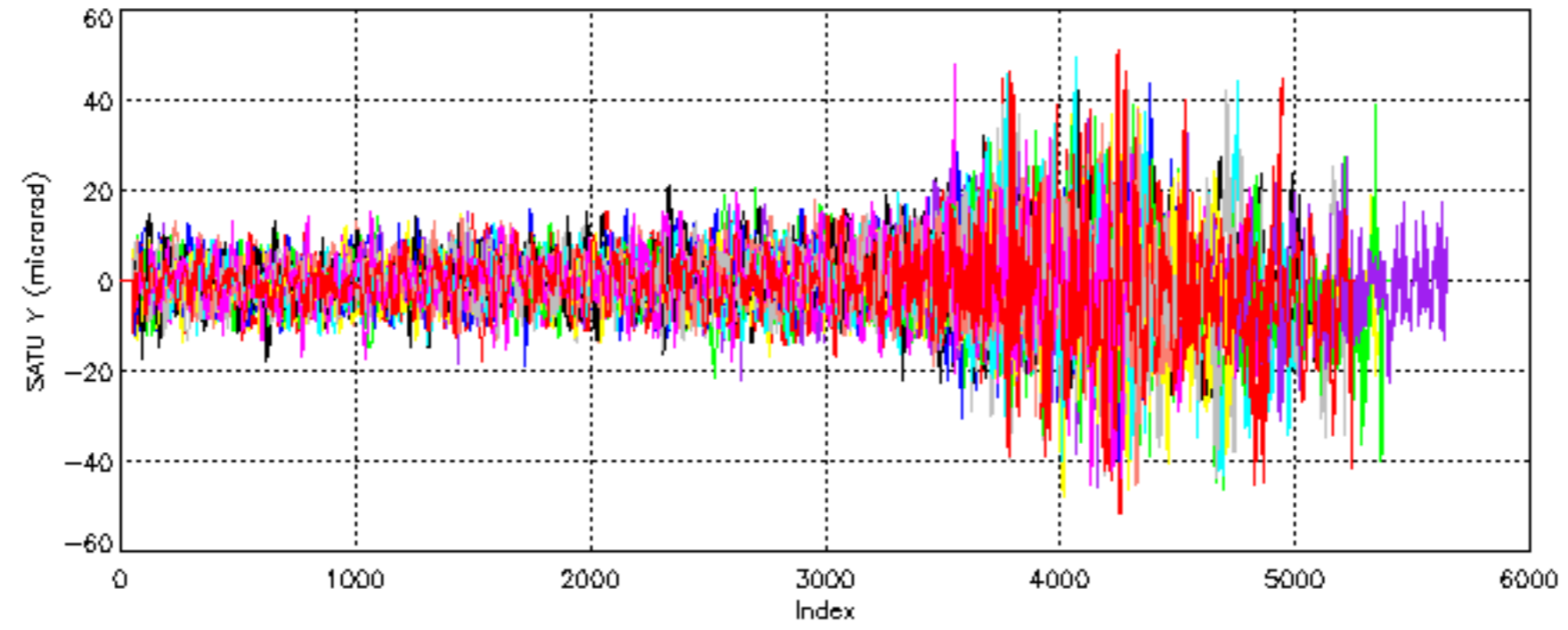


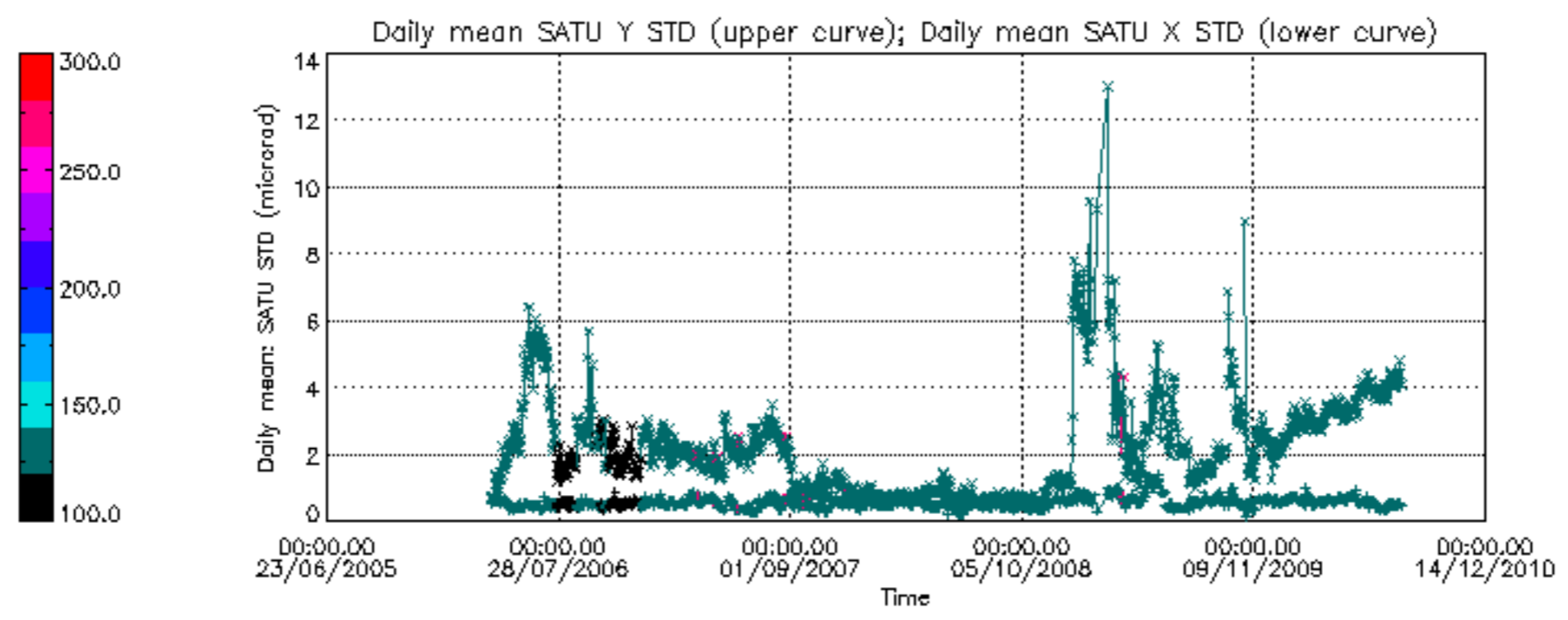
Tangent altitude at which the star is lost











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1; -536.4; 01-JUL-2010 00:28:28; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;43571  
 2; 94.6; 01-JUL-2010 00:38:59; Dark ; 52.5; 84; Alp Phe ; 2.40; 4500;occ; 105; 0;43572  
 3; 483.7; 01-JUL-2010 00:45:28; Dark ; 56.5; 63; Bet Gru ; 2.15; 2800;occ; 113; 0;43572  
 4; 600.1; 01-JUL-2010 00:47:24; Dark ; 47.0; 31; Alp Gru ; 1.73; 15200;occ; 94; 0;43572  
 5; 743.9; 01-JUL-2010 00:49:48; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;43572  
 6; 1314.0; 01-JUL-2010 00:59:18; Dark ; 49.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 98; 0;43572  
 7; 1480.2; 01-JUL-2010 01:02:04; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;43572  
 8; 1981.6; 01-JUL-2010 01:10:26; Bright; 37.5; 126; 60Bet Oph ; 2.77; 4250;occ; 75; 0;43572  
 9; 2121.8; 01-JUL-2010 01:12:46; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;43572  
 10; 2233.6; 01-JUL-2010 01:14:38; Bright; 47.5; 168; 17Zet Aql ; 2.99; 11000;occ; 95; 0;43572  
 11; 2652.9; 01-JUL-2010 01:21:37; Bright; 41.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 82; 0;43572  
 12; 2809.4; 01-JUL-2010 01:24:14; Bright; 36.0; 130; 23Bet Dra ; 2.80; 5800;occ; 72; 0;43572  
 13; 2925.2; 01-JUL-2010 01:26:09; Bright; 40.0; 144; 18Del Cyg ; 2.86; 11000;occ; 80; 0;43572  
 14; 3345.6; 01-JUL-2010 01:33:10; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;43572  
 15; 3786.1; 01-JUL-2010 01:40:30; Bright; 48.0; 74; 11Bet Cas ; 2.27; 6600;occ; 96; 0;43572  
 16; 3888.2; 01-JUL-2010 01:42:12; Bright; 50.0; 68; 18Alp Cas ; 2.22; 4500;occ; 100; 0;43572  
 17; 4062.4; 01-JUL-2010 01:45:07; Bright; 56.0; 160; 23Gam Per ; 2.93; 4700;occ; 112; 0;43572  
 18; 4266.8; 01-JUL-2010 01:48:31; Bright; 46.0; 73; 57Gam1And ; 2.26; 13100;occ; 92; 0;43572  
 19; 4424.1; 01-JUL-2010 01:51:08; Dark ; 49.5; 173; 4Bet Tri ; 3.00; 8900;occ; 99; 0;43572  
 20; 4678.5; 01-JUL-2010 01:55:23; Dark ; 60.5; 50; 13Alp Ari ; 2.01; 4250;occ; 121; 0;43572  
 21; 4976.2; 01-JUL-2010 02:00:20; Dark ; 48.5; 94; 92Alp Cet ; 2.53; 3100;occ; 97; 0;43572

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 2; 95.3; 01-JUL-2010 02:19:35; Dark ; 58.0; 84; Alp Phe ; 2.40; 4500;occ; 116; 0;43573  
 3; 484.4; 01-JUL-2010 02:26:04; Dark ; 53.5; 63; Bet Gru ; 2.15; 2800;occ; 107; 0;43573  
 4; 601.0; 01-JUL-2010 02:28:01; Dark ; 55.0; 31; Alp Gru ; 1.73; 15200;occ; 110; 0;43573  
 5; 744.6; 01-JUL-2010 02:30:25; Dark ; 46.5; 45; Alp Pav ; 1.94; 26000;occ; 93; 0;43573  
 6; 1314.3; 01-JUL-2010 02:39:54; Dark ; 46.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 93; 0;43573  
 7; 1480.5; 01-JUL-2010 02:42:41; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;43573  
 8; 1982.0; 01-JUL-2010 02:51:02; Bright; 37.0; 126; 60Bet Oph ; 2.77; 4250;occ; 74; 0;43573  
 9; 2121.7; 01-JUL-2010 02:53:22; Bright; 38.0; 59; 55Alp Oph ; 2.08; 8900;occ; 76; 0;43573  
 10; 2233.3; 01-JUL-2010 02:55:13; Bright; 49.5; 168; 17Zet Aql ; 2.99; 11000;occ; 99; 0;43573  
 11; 2652.5; 01-JUL-2010 03:02:13; Bright; 41.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 83; 0;43573  
 12; 2809.3; 01-JUL-2010 03:04:49; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;43573  
 13; 2924.7; 01-JUL-2010 03:06:45; Bright; 40.0; 144; 18Del Cyg ; 2.86; 11000;occ; 80; 0;43573  
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 8; -534.6; 01-JUL-2010 03:49:41; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 0;43573  
 9; 96.5; 01-JUL-2010 04:00:13; Dark ; 48.5; 84; Alp Phe ; 2.40; 4500;occ; 97; 0;43574  
 10; 485.6; 01-JUL-2010 04:06:42; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;43574  
 11; 602.3; 01-JUL-2010 04:08:38; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;43574  
 12; 744.8; 01-JUL-2010 04:11:01; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;43574  
 13; 1314.7; 01-JUL-2010 04:20:31; Dark ; 45.0; 103; 38Zet Sgr ; 2.60; 9700;occ; 90; 0;43574  
 14; 1388.9; 01-JUL-2010 04:21:45; Bright; 45.0; 57; 34Sig Sgr ; 2.07; 26000;occ; 90; 0;43574  
 15; 1480.4; 01-JUL-2010 04:23:16; Bright; 46.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 93; 0;43574  
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 18; 2232.8; 01-JUL-2010 04:35:49; Bright; 48.5; 168; 17Zet Aql ; 2.99; 11000;occ; 97; 0;43574  
 19; 2652.2; 01-JUL-2010 04:42:48; Bright; 44.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 89; 0;43574  
 20; 2809.2; 01-JUL-2010 04:45:25; Bright; 36.5; 130; 23Bet Dra ; 2.80; 5800;occ; 73; 0;43574  
 21; 2923.6; 01-JUL-2010 04:47:20; Bright; 45.0; 144; 18Del Cyg ; 2.86; 11000;occ; 90; 0;43574  
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 7;-1059.1; 01-JUL-2010 05:21:33; Dark ; 44.5; 94; 92Alp Cet ; 2.53; 3100;occ; 89; 0;43574



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5; -1611.1; 01-JUL-2010 06:52:57; Dark ; 47.0; 173; 4Bet Tri ; 3.00; 8900;occ; 94; 0;43575
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7; -1058.6; 01-JUL-2010 07:02:09; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;43575
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4; 2651.5; 01-JUL-2010 08:03:59; Bright; 48.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 96; 0;43576
5; 2808.8; 01-JUL-2010 08:06:37; Bright; 39.0; 130; 23Bet Dra ; 2.80; 5800;occ; 78; 0;43576
6; 2921.8; 01-JUL-2010 08:08:30; Bright; 49.0; 144; 18Del Cyg ; 2.86; 11000;occ; 98; 0;43576
7; 3343.1; 01-JUL-2010 08:15:31; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;43576
8; 3784.4; 01-JUL-2010 08:22:52; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;43576
9; 3876.7; 01-JUL-2010 08:24:25; Bright; 43.5; 110; 37Del Cas ; 2.68; 8900;occ; 87; 0;43576
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12; 4266.5; 01-JUL-2010 08:30:54; Bright; 49.5; 73; 57Gam1And ; 2.26; 13100;occ; 99; 0;43576
13; 4424.9; 01-JUL-2010 08:33:33; Dark ; 46.0; 173; 4Bet Tri ; 3.00; 8900;occ; 92; 0;43576
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15; 4978.0; 01-JUL-2010 08:42:46; Dark ; 47.5; 94; 92Alp Cet ; 2.53; 3100;occ; 95; 0;43576
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9; 4062.1; 01-JUL-2010 11:48:42; Bright; 53.5; 160; 23Gam Per ; 2.93; 4700;occ; 107; 0;43578

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 2; -6.7; 06-JUL-2010 23:08:12; Dark ; 76.0; 52; 16Bet Cet ; 2.04; 4500;occ; 152; 0;43656  
 3; 183.9; 06-JUL-2010 23:11:22; Dark ; 47.5; 84; Alp Phe ; 2.40; 4500;occ; 95; 0;43657  
 4; 564.2; 06-JUL-2010 23:17:42; Dark ; 61.5; 63; Bet Gru ; 2.15; 2800;occ; 123; 0;43657  
 5; 718.1; 06-JUL-2010 23:20:16; Dark ; 83.0; 18; 24Alp PsA ; 1.17; 9700;occ; 166; 0;43657  
 6; 858.4; 06-JUL-2010 23:22:37; Dark ; 53.5; 172; Gam Gru ; 3.00; 13100;occ; 107; 0;43657  
 7; 2194.4; 06-JUL-2010 23:44:53; Bright; 43.5; 168; 17Zet Aql ; 2.99; 11000;occ; 87; 0;43657  
 8; 2616.8; 06-JUL-2010 23:51:55; Bright; 40.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 80; 0;43657  
 9; 2857.0; 06-JUL-2010 23:55:55; Bright; 45.0; 144; 18Del Cyg ; 2.86; 11000;occ; 90; 0;43657  
 10; 3046.3; 06-JUL-2010 23:59:05; Bright; 58.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 116; 0;43657  
 11; 3289.0; 07-JUL-2010 00:03:07; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;43657  
 12; 3739.2; 07-JUL-2010 00:10:37; Bright; 48.5; 74; 11Bet Cas ; 2.27; 6600;occ; 97; 0;43657  
 13; 3850.6; 07-JUL-2010 00:12:29; Bright; 64.0; 110; 37Del Cas ; 2.68; 8900;occ; 128; 0;43657  
 14; 4259.4; 07-JUL-2010 00:19:18; Bright; 54.0; 73; 57Gam1And ; 2.26; 13100;occ; 108; 0;43657  
 15; 4418.4; 07-JUL-2010 00:21:57; Dark ; 76.0; 53; 43Bet And ; 2.05; 3300;occ; 152; 0;43657  
 16; 4710.0; 07-JUL-2010 00:26:48; Dark ; 61.0; 50; 13Alp Ari ; 2.01; 4250;occ; 122; 0;43657  
 17; 5016.1; 07-JUL-2010 00:31:54; Dark ; 53.5; 94; 92Alp Cet ; 2.53; 3100;occ; 107; 0;43657

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1; -453.6; 07-JUL-2010 00:41:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43657  
 2; -4.4; 07-JUL-2010 00:48:50; Dark ; 76.0; 52; 16Bet Cet ; 2.04; 4500;occ; 152; 0;43657  
 3; 185.2; 07-JUL-2010 00:51:59; Dark ; 51.0; 84; Alp Phe ; 2.40; 4500;occ; 102; 0;43658  
 4; 565.1; 07-JUL-2010 00:58:19; Dark ; 63.5; 63; Bet Gru ; 2.15; 2800;occ; 127; 0;43658  
 5; 719.8; 07-JUL-2010 01:00:54; Dark ; 80.5; 18; 24Alp PsA ; 1.17; 9700;occ; 161; 0;43658  
 6; 859.4; 07-JUL-2010 01:03:14; Dark ; 54.0; 172; Gam Gru ; 3.00; 13100;occ; 108; 0;43658  
 7; 2193.7; 07-JUL-2010 01:25:28; Bright; 44.0; 168; 17Zet Aql ; 2.99; 11000;occ; 88; 0;43658  
 8; 2616.5; 07-JUL-2010 01:32:31; Bright; 41.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 82; 0;43658  
 9; 2856.6; 07-JUL-2010 01:36:31; Bright; 45.0; 144; 18Del Cyg ; 2.86; 11000;occ; 90; 0;43658  
 10; 3045.6; 07-JUL-2010 01:39:40; Bright; 81.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 162; 0;43658  
 11; 3288.6; 07-JUL-2010 01:43:43; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;43658  
 12; 3738.8; 07-JUL-2010 01:51:13; Bright; 50.5; 74; 11Bet Cas ; 2.27; 6600;occ; 101; 0;43658  
 13; 3850.2; 07-JUL-2010 01:53:04; Bright; 45.0; 110; 37Del Cas ; 2.68; 8900;occ; 90; 0;43658  
 14; 4259.3; 07-JUL-2010 01:59:53; Bright; 52.0; 73; 57Gam1And ; 2.26; 13100;occ; 104; 0;43658  
 15; 4418.8; 07-JUL-2010 02:02:33; Dark ; 77.0; 53; 43Bet And ; 2.05; 3300;occ; 154; 0;43658  
 16; 4710.9; 07-JUL-2010 02:07:25; Dark ; 66.5; 50; 13Alp Ari ; 2.01; 4250;occ; 133; 0;43658  
 17; 5017.2; 07-JUL-2010 02:12:31; Dark ; 55.0; 94; 92Alp Cet ; 2.53; 3100;occ; 110; 0;43658

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20100707\_022157\_000037842091\_00017\_43658\_0392.N1

1; -452.6; 07-JUL-2010 02:21:57; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43658  
 2; -2.0; 07-JUL-2010 02:29:28; Dark ; 71.0; 52; 16Bet Cet ; 2.04; 4500;occ; 142; 0;43658  
 3; 186.6; 07-JUL-2010 02:32:37; Dark ; 51.0; 84; Alp Phe ; 2.40; 4500;occ; 102; 0;43659  
 4; 566.1; 07-JUL-2010 02:38:56; Dark ; 65.5; 63; Bet Gru ; 2.15; 2800;occ; 131; 0;43659  
 5; 721.8; 07-JUL-2010 02:41:32; Dark ; 83.0; 18; 24Alp PsA ; 1.17; 9700;occ; 166; 0;43659  
 6; 860.6; 07-JUL-2010 02:43:51; Dark ; 54.5; 172; Gam Gru ; 3.00; 13100;occ; 109; 0;43659  
 7; 2616.4; 07-JUL-2010 03:13:06; Bright; 38.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 76; 0;43659  
 8; 2855.7; 07-JUL-2010 03:17:06; Bright; 46.5; 144; 18Del Cyg ; 2.86; 11000;occ; 93; 0;43659  
 9; 3044.4; 07-JUL-2010 03:20:14; Bright; 51.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 102; 0;43659  
 10; 3288.0; 07-JUL-2010 03:24:18; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;43659

/nas3/ENVISAT/GOMOS/GOM\_NL\_\_0P/GOM\_NL\_\_0PNPDE20100707\_033148\_000056302091\_00018\_43659\_0393.N1

1; -2297.7; 07-JUL-2010 03:31:48; Bright; 51.0; 74; 11Bet Cas ; 2.27; 6600;occ; 102; 0;43659  
 2; -2185.9; 07-JUL-2010 03:33:40; Bright; 42.5; 110; 37Del Cas ; 2.68; 8900;occ; 85; 0;43659



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3;-1776.4; 07-JUL-2010 03:40:30; Bright; 51.5; 73; 57Gam1And ; 2.26; 13100;occ; 103; 0;43659
4;-1617.2; 07-JUL-2010 03:43:09; Dark ; 77.0; 53; 43Bet And ; 2.05; 3300;occ; 154; 0;43659
5;-1324.7; 07-JUL-2010 03:48:01; Dark ; 64.0; 50; 13Alp Ari ; 2.01; 4250;occ; 128; 0;43659
6;-1018.5; 07-JUL-2010 03:53:08; Dark ; 52.5; 94; 92Alp Cet ; 2.53; 3100;occ; 105; 0;43659
7; -451.5; 07-JUL-2010 04:02:34; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43659
8; 0.5; 07-JUL-2010 04:10:06; Dark ; 71.0; 52; 16Bet Cet ; 2.04; 4500;occ; 142; 0;43659
9; 187.6; 07-JUL-2010 04:13:14; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;43660
10; 567.3; 07-JUL-2010 04:19:33; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;43660
11; 723.1; 07-JUL-2010 04:22:09; Dark ; 82.5; 18; 24Alp PsA ; 1.17; 9700;occ; 165; 0;43660
12; 861.3; 07-JUL-2010 04:24:27; Dark ; 56.0; 172; Gam Gru ; 3.00; 13100;occ; 112; 0;43660
13; 2192.8; 07-JUL-2010 04:46:39; Bright; 44.5; 168; 17Zet Aql ; 2.99; 11000;occ; 89; 0;43660
14; 2616.1; 07-JUL-2010 04:53:42; Bright; 43.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 86; 0;43660
15; 2855.0; 07-JUL-2010 04:57:41; Bright; 47.5; 144; 18Del Cyg ; 2.86; 11000;occ; 95; 0;43660
16; 3043.1; 07-JUL-2010 05:00:49; Bright; 55.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 111; 0;43660
17; 3287.6; 07-JUL-2010 05:04:54; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;43660
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20100707_051224_000056292091_00019_43660_0394.N1
1;-2298.4; 07-JUL-2010 05:12:24; Bright; 50.5; 74; 11Bet Cas ; 2.27; 6600;occ; 101; 0;43660
2;-2186.3; 07-JUL-2010 05:14:16; Bright; 44.5; 110; 37Del Cas ; 2.68; 8900;occ; 89; 0;43660
3;-1776.7; 07-JUL-2010 05:21:05; Bright; 55.0; 73; 57Gam1And ; 2.26; 13100;occ; 110; 0;43660
4;-1617.2; 07-JUL-2010 05:23:45; Dark ; 71.0; 53; 43Bet And ; 2.05; 3300;occ; 142; 0;43660
5;-1324.5; 07-JUL-2010 05:28:38; Dark ; 71.0; 50; 13Alp Ari ; 2.01; 4250;occ; 142; 0;43660
6;-1017.7; 07-JUL-2010 05:33:44; Dark ; 52.0; 94; 92Alp Cet ; 2.53; 3100;occ; 104; 0;43660
7; -450.5; 07-JUL-2010 05:43:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43660
8; 2.4; 07-JUL-2010 05:50:44; Dark ; 66.0; 52; 16Bet Cet ; 2.04; 4500;occ; 132; 0;43660
9; 188.8; 07-JUL-2010 05:53:51; Dark ; 55.0; 84; Alp Phe ; 2.40; 4500;occ; 110; 0;43661
10; 568.1; 07-JUL-2010 06:00:10; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;43661
11; 724.8; 07-JUL-2010 06:02:47; Dark ; 83.0; 18; 24Alp PsA ; 1.17; 9700;occ; 166; 0;43661
12; 862.3; 07-JUL-2010 06:05:04; Dark ; 54.0; 172; Gam Gru ; 3.00; 13100;occ; 108; 0;43661
13; 2193.0; 07-JUL-2010 06:27:15; Bright; 44.5; 168; 17Zet Aql ; 2.99; 11000;occ; 89; 0;43661
14; 2619.9; 07-JUL-2010 06:34:22; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;43661
15; 2854.5; 07-JUL-2010 06:38:17; Bright; 46.0; 144; 18Del Cyg ; 2.86; 11000;occ; 92; 0;43661
16; 3041.8; 07-JUL-2010 06:41:24; Bright; 57.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 115; 0;43661
17; 3287.1; 07-JUL-2010 06:45:29; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;43661
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20100707_213235_000028882091_00029_43670_0395.N1
1; 2189.6; 07-JUL-2010 21:32:35; Bright; 43.5; 168; 17Zet Aql ; 2.99; 11000;occ; 87; 0;43670
2; 2848.1; 07-JUL-2010 21:43:34; Bright; 45.0; 144; 18Del Cyg ; 2.86; 11000;occ; 90; 0;43670
3; 3032.2; 07-JUL-2010 21:46:38; Bright; 56.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 112; 0;43670
4; 3281.1; 07-JUL-2010 21:50:47; Bright; 42.0; 89; 5Alp Cep ; 2.45; 8000;occ; 84; 0;43670
5; 3731.7; 07-JUL-2010 21:58:17; Bright; 51.0; 74; 11Bet Cas ; 2.27; 6600;occ; 102; 0;43670
6; 3846.0; 07-JUL-2010 22:00:12; Bright; 43.0; 110; 37Del Cas ; 2.68; 8900;occ; 86; 0;43670
7; 4258.0; 07-JUL-2010 22:07:04; Bright; 57.5; 73; 57Gam1And ; 2.26; 13100;occ; 115; 0;43670
8; 4418.6; 07-JUL-2010 22:09:44; Dark ; 43.0; 53; 43Bet And ; 2.05; 3300;occ; 86; 0;43670
9; 4715.8; 07-JUL-2010 22:14:41; Dark ; 63.5; 50; 13Alp Ari ; 2.01; 4250;occ; 127; 0;43670
10; 5023.3; 07-JUL-2010 22:19:49; Dark ; 54.5; 94; 92Alp Cet ; 2.53; 3100;occ; 109; 0;43670
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20100707_222922_000055172091_00029_43670_0396.N1
1; -439.3; 07-JUL-2010 22:29:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43670
2; 25.7; 07-JUL-2010 22:37:07; Dark ; 41.0; 52; 16Bet Cet ; 2.04; 4500;occ; 82; 0;43671
3; 199.3; 07-JUL-2010 22:40:01; Dark ; 50.5; 84; Alp Phe ; 2.40; 4500;occ; 101; 0;43671
4; 577.2; 07-JUL-2010 22:46:19; Dark ; 63.0; 63; Bet Gru ; 2.15; 2800;occ; 126; 0;43671
5; 741.1; 07-JUL-2010 22:49:02; Dark ; 82.0; 18; 24Alp PsA ; 1.17; 9700;occ; 164; 0;43671
6; 871.8; 07-JUL-2010 22:51:13; Dark ; 53.5; 172; Gam Gru ; 3.00; 13100;occ; 107; 0;43671
7; 2189.4; 07-JUL-2010 23:13:11; Bright; 42.0; 168; 17Zet Aql ; 2.99; 11000;occ; 84; 0;43671
8; 2847.5; 07-JUL-2010 23:24:09; Bright; 47.0; 144; 18Del Cyg ; 2.86; 11000;occ; 94; 0;43671
9; 3031.3; 07-JUL-2010 23:27:13; Bright; 55.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 110; 0;43671
10; 3280.2; 07-JUL-2010 23:31:22; Bright; 42.5; 89; 5Alp Cep ; 2.45; 8000;occ; 85; 0;43671
11; 3731.1; 07-JUL-2010 23:38:53; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;43671
12; 3845.8; 07-JUL-2010 23:40:47; Bright; 43.0; 110; 37Del Cas ; 2.68; 8900;occ; 86; 0;43671
13; 4257.8; 07-JUL-2010 23:47:39; Bright; 57.0; 73; 57Gam1And ; 2.26; 13100;occ; 114; 0;43671
14; 4418.8; 07-JUL-2010 23:50:20; Dark ; 43.0; 53; 43Bet And ; 2.05; 3300;occ; 86; 0;43671
15; 4715.9; 07-JUL-2010 23:55:17; Dark ; 67.5; 50; 13Alp Ari ; 2.01; 4250;occ; 135; 0;43671
16; 5023.9; 08-JUL-2010 00:00:25; Dark ; 54.5; 94; 92Alp Cet ; 2.53; 3100;occ; 109; 0;43671
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20100708_000959_000055192091_00030_43671_0397.N1
1; -438.3; 08-JUL-2010 00:09:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43671
2; 27.9; 08-JUL-2010 00:17:45; Dark ; 41.0; 52; 16Bet Cet ; 2.04; 4500;occ; 82; 0;43672
3; 200.8; 08-JUL-2010 00:20:38; Dark ; 49.5; 84; Alp Phe ; 2.40; 4500;occ; 99; 0;43672
4; 578.0; 08-JUL-2010 00:26:55; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;43672
5; 742.6; 08-JUL-2010 00:29:40; Dark ; 81.0; 18; 24Alp PsA ; 1.17; 9700;occ; 162; 0;43672
6; 872.2; 08-JUL-2010 00:31:49; Dark ; 55.0; 172; Gam Gru ; 3.00; 13100;occ; 110; 0;43672

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7; 2189.1; 08-JUL-2010 00:53:46; Bright; 42.5; 168; 17Zet Aql ; 2.99; 11000;occ; 85; 0;43672
8; 2846.6; 08-JUL-2010 01:04:44; Bright; 44.5; 144; 18Del Cyg ; 2.86; 11000;occ; 89; 0;43672
9; 3030.1; 08-JUL-2010 01:07:47; Bright; 55.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 110; 0;43672
10; 3279.4; 08-JUL-2010 01:11:57; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;43672
11; 3730.8; 08-JUL-2010 01:19:28; Bright; 50.0; 74; 11Bet Cas ; 2.27; 6600;occ; 100; 0;43672
12; 3845.4; 08-JUL-2010 01:21:23; Bright; 42.0; 110; 37Del Cas ; 2.68; 8900;occ; 84; 0;43672
13; 4257.9; 08-JUL-2010 01:28:15; Bright; 52.5; 73; 57Gam1And ; 2.26; 13100;occ; 105; 0;43672
14; 4418.4; 08-JUL-2010 01:30:56; Dark ; 37.0; 53; 43Bet And ; 2.05; 3300;occ; 74; 0;43672
15; 4716.8; 08-JUL-2010 01:35:54; Dark ; 64.0; 50; 13Alp Ari ; 2.01; 4250;occ; 128; 0;43672
16; 5024.5; 08-JUL-2010 01:41:02; Dark ; 57.0; 94; 92Alp Cet ; 2.53; 3100;occ; 114; 0;43672
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1; -437.2; 08-JUL-2010 01:50:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43672
2; 30.2; 08-JUL-2010 01:58:23; Dark ; 36.0; 52; 16Bet Cet ; 2.04; 4500;occ; 72; 0;43673
3; 201.8; 08-JUL-2010 02:01:15; Dark ; 51.0; 84; Alp Phe ; 2.40; 4500;occ; 102; 0;43673
4; 578.9; 08-JUL-2010 02:07:32; Dark ; 64.0; 63; Bet Gru ; 2.15; 2800;occ; 128; 0;43673
5; 744.3; 08-JUL-2010 02:10:17; Dark ; 79.0; 18; 24Alp PsA ; 1.17; 9700;occ; 158; 0;43673
6; 873.7; 08-JUL-2010 02:12:27; Dark ; 54.5; 172; Gam Gru ; 3.00; 13100;occ; 109; 0;43673
7; 2188.6; 08-JUL-2010 02:34:22; Bright; 44.5; 168; 17Zet Aql ; 2.99; 11000;occ; 89; 0;43673
8; 2846.2; 08-JUL-2010 02:45:19; Bright; 42.5; 144; 18Del Cyg ; 2.86; 11000;occ; 85; 0;43673
9; 3029.0; 08-JUL-2010 02:48:22; Bright; 57.0; 19; 50Alp Cyg ; 1.25; 10500;occ; 114; 0;43673
10; 3279.0; 08-JUL-2010 02:52:32; Bright; 43.0; 89; 5Alp Cep ; 2.45; 8000;occ; 86; 0;43673
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20100708_030003_000060362091_00032_43673_0399.N1
1; -2305.6; 08-JUL-2010 03:00:03; Bright; 50.5; 74; 11Bet Cas ; 2.27; 6600;occ; 101; 0;43673
2; -2190.8; 08-JUL-2010 03:01:58; Bright; 44.0; 110; 37Del Cas ; 2.68; 8900;occ; 88; 0;43673
3; -1778.0; 08-JUL-2010 03:08:51; Bright; 56.5; 73; 57Gam1And ; 2.26; 13100;occ; 113; 0;43673
4; -1617.6; 08-JUL-2010 03:11:32; Dark ; 37.0; 53; 43Bet And ; 2.05; 3300;occ; 74; 0;43673
5; -1318.9; 08-JUL-2010 03:16:30; Dark ; 66.0; 50; 13Alp Ari ; 2.01; 4250;occ; 132; 0;43673
6; -1010.8; 08-JUL-2010 03:21:38; Dark ; 45.5; 94; 92Alp Cet ; 2.53; 3100;occ; 91; 0;43673
7; -436.0; 08-JUL-2010 03:31:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43673
8; 32.5; 08-JUL-2010 03:39:02; Dark ; 36.0; 52; 16Bet Cet ; 2.04; 4500;occ; 72; 0;43674
9; 203.1; 08-JUL-2010 03:41:52; Dark ; 50.0; 84; Alp Phe ; 2.40; 4500;occ; 100; 0;43674
10; 580.0; 08-JUL-2010 03:48:09; Dark ; 52.5; 63; Bet Gru ; 2.15; 2800;occ; 105; 0;43674
11; 745.9; 08-JUL-2010 03:50:55; Dark ; 81.0; 18; 24Alp PsA ; 1.17; 9700;occ; 162; 0;43674
12; 874.4; 08-JUL-2010 03:53:04; Dark ; 56.0; 172; Gam Gru ; 3.00; 13100;occ; 112; 0;43674
13; 2188.4; 08-JUL-2010 04:14:57; Bright; 43.5; 168; 17Zet Aql ; 2.99; 11000;occ; 87; 0;43674
14; 2845.4; 08-JUL-2010 04:25:55; Bright; 45.5; 144; 18Del Cyg ; 2.86; 11000;occ; 91; 0;43674
15; 3027.9; 08-JUL-2010 04:28:57; Bright; 56.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 113; 0;43674
16; 3278.3; 08-JUL-2010 04:33:07; Bright; 44.5; 89; 5Alp Cep ; 2.45; 8000;occ; 89; 0;43674
17; 3729.4; 08-JUL-2010 04:40:38; Bright; 1.5; 74; 11Bet Cas ; 2.27; 6600;occ; 3; 0;43674
/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20100708_044038_000056282091_00033_43674_0400.N1
1; -2306.7; 08-JUL-2010 04:40:38; Bright; 50.5; 74; 11Bet Cas ; 2.27; 6600;occ; 101; 0;43674
2; -2191.2; 08-JUL-2010 04:42:34; Bright; 46.0; 110; 37Del Cas ; 2.68; 8900;occ; 92; 0;43674
3; -1778.2; 08-JUL-2010 04:49:27; Bright; 54.5; 73; 57Gam1And ; 2.26; 13100;occ; 109; 0;43674
4; -1617.5; 08-JUL-2010 04:52:08; Dark ; 31.0; 53; 43Bet And ; 2.05; 3300;occ; 62; 0;43674
5; -1318.3; 08-JUL-2010 04:57:07; Dark ; 63.0; 50; 13Alp Ari ; 2.01; 4250;occ; 126; 0;43674
6; -1010.4; 08-JUL-2010 05:02:15; Dark ; 44.5; 94; 92Alp Cet ; 2.53; 3100;occ; 89; 0;43674
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16; 6241.4; 21-JUL-2010 16:58:06; Dark ; 43.5; 9; Alp Eri ; 0.45; 24000;occ; 87; 0;43868

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7;	833.9;	22-JUL-2010	01:31:34;	Dark	;	54.0;	31;	Alp Gru	;	1.73;	15200;occ;	108;	0;	43873
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21;	8773.6;	22-JUL-2010	05:24:30;	Bright;		39.0;	144;	18Del Cyg	;	2.86;	11000;occ;	78;	0;	43875
22;	8886.2;	22-JUL-2010	05:26:22;	Bright;		48.0;	19;	50Alp Cyg	;	1.25;	10500;occ;	96;	0;	43875
23;	9195.7;	22-JUL-2010	05:31:32;	Bright;		44.0;	89;	5Alp Cep	;	2.45;	8000;occ;	88;	0;	43875
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 14; 5718.5; 30-JUL-2010 17:06:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43996  
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 17; 6604.4; 30-JUL-2010 17:21:24; Dark ; 55.0; 84; Alp Phe ; 2.40; 4500;occ; 110; 0;43997  
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3; 2591.6; 30-JUL-2010 17:55:08; Bright; 46.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 93; 0;43997  
4; 2699.4; 30-JUL-2010 17:56:55; Bright; 39.5; 144; 18Del Cyg ; 2.86; 11000;occ; 79; 0;43997  
5; 3100.4; 30-JUL-2010 18:03:36; Bright; 41.5; 89; 5Alp Cep ; 2.45; 8000;occ; 83; 0;43997  
6; 4084.4; 30-JUL-2010 18:20:00; Bright; 45.0; 35; 33Alp Per ; 1.79; 6250;occ; 90; 0;43997  
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8; 4316.0; 30-JUL-2010 18:23:52; Bright; 42.5; 149; 45Eps Per ; 2.89; 30000;occ; 85; 0;43997  
9; 4498.0; 30-JUL-2010 18:26:54; Dark ; 54.5; 150; 44Zet Per ; 2.89; 28000;occ; 109; 0;43997  
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12; 4902.3; 30-JUL-2010 18:33:38; Dark ; 44.0; 27; 24Gam Ori ; 1.64; 26000;occ; 88; 0;43997  
13; 5163.4; 30-JUL-2010 18:37:59; Dark ; 51.0; 7; 19Bet Ori ; 0.10; 14000;occ; 102; 0;43997  
14; 5427.2; 30-JUL-2010 18:42:23; Dark ; 55.0; 165; 34Gam Eri ; 2.95; 3200;occ; 110; 0;43997  
15; 5719.2; 30-JUL-2010 18:47:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43997  
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18; 6605.8; 30-JUL-2010 19:02:02; Dark ; 58.5; 84; Alp Phe ; 2.40; 4500;occ; 117; 0;43998  
19; 6943.7; 30-JUL-2010 19:07:40; Dark ; 52.0; 31; Alp Gru ; 1.73; 15200;occ; 104; 0;43998

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3; 2060.7; 30-JUL-2010 19:26:53; Bright; 38.5; 11; 53Alp Aql ; 0.76; 8000;occ; 77; 0;43998  
4; 2591.1; 30-JUL-2010 19:35:43; Bright; 49.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 98; 0;43998  
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6; 3100.0; 30-JUL-2010 19:44:12; Bright; 41.0; 89; 5Alp Cep ; 2.45; 8000;occ; 82; 0;43998  
7; 4084.0; 30-JUL-2010 20:00:36; Bright; 49.5; 35; 33Alp Per ; 1.79; 6250;occ; 99; 0;43998  
8; 4199.9; 30-JUL-2010 20:02:32; Bright; 55.0; 6; 13Alp Aur ; 0.08; 3400;occ; 110; 0;43998  
9; 4316.0; 30-JUL-2010 20:04:28; Bright; 47.5; 149; 45Eps Per ; 2.89; 30000;occ; 95; 0;43998  
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11; 4634.5; 30-JUL-2010 20:09:46; Dark ; 40.5; 176; 23Zet Tau ; 3.02; 22000;occ; 81; 0;43998  
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13; 4902.3; 30-JUL-2010 20:14:14; Dark ; 45.0; 27; 24Gam Ori ; 1.64; 26000;occ; 90; 0;43998  
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15; 5427.7; 30-JUL-2010 20:23:00; Dark ; 55.0; 165; 34Gam Eri ; 2.95; 3200;occ; 110; 0;43998  
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19; 6606.5; 30-JUL-2010 20:42:39; Dark ; 58.0; 84; Alp Phe ; 2.40; 4500;occ; 116; 0;43999  
20; 6944.2; 30-JUL-2010 20:48:16; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;43999

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2;-1949.6; 30-JUL-2010 03:14:39; Bright; 47.0; 35; 33Alp Per ; 1.79; 6250;occ; 94; 0;43988  
3;-1836.3; 30-JUL-2010 03:16:32; Bright; 44.5; 6; 13Alp Aur ; 0.08; 3400;occ; 89; 0;43988  
4;-1719.6; 30-JUL-2010 03:18:29; Bright; 47.0; 149; 45Eps Per ; 2.89; 30000;occ; 94; 0;43988  
5;-1526.6; 30-JUL-2010 03:21:42; Dark ; 44.5; 28; 12Bet Tau ; 1.65; 15200;occ; 89; 0;43988  
6;-1403.5; 30-JUL-2010 03:23:45; Dark ; 41.5; 176; 23Zet Tau ; 3.02; 22000;occ; 83; 0;43988  
7;-1258.5; 30-JUL-2010 03:26:10; Dark ; 60.5; 13; 87Alp Tau ; 0.87; 3800;occ; 121; 0;43988  
8;-1136.6; 30-JUL-2010 03:28:12; Dark ; 37.0; 27; 24Gam Ori ; 1.64; 26000;occ; 74; 0;43988  
9; -876.7; 30-JUL-2010 03:32:32; Dark ; 46.5; 7; 19Bet Ori ; 0.10; 14000;occ; 93; 0;43988  
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11; -322.8; 30-JUL-2010 03:41:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;43988  
12; -52.9; 30-JUL-2010 03:46:16; Dark ; 44.5; 157; The1Eri ; 2.91; 9300;occ; 89; 0;43988  
13; 285.9; 30-JUL-2010 03:51:54; Dark ; 42.5; 9; Alp Eri ; 0.45; 24000;occ; 85; 0;43989  
14; 560.0; 30-JUL-2010 03:56:28; Dark ; 58.0; 84; Alp Phe ; 2.40; 4500;occ; 116; 0;43989  
15; 707.5; 30-JUL-2010 03:58:56; Dark ; 41.5; 148; Alp Tuc ; 2.88; 4100;occ; 83; 0;43989  
16; 903.0; 30-JUL-2010 04:02:11; Dark ; 46.5; 31; Alp Gru ; 1.73; 15200;occ; 93; 0;43989  
17; 1092.6; 30-JUL-2010 04:05:21; Dark ; 44.5; 172; Gam Gru ; 3.00; 13100;occ; 89; 0;43989  
18; 2061.6; 30-JUL-2010 04:21:30; Bright; 38.0; 11; 53Alp Aql ; 0.76; 8000;occ; 76; 0;43989  
19; 2595.9; 30-JUL-2010 04:30:24; Bright; 48.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 97; 0;43989  
20; 2701.5; 30-JUL-2010 04:32:10; Bright; 37.5; 144; 18Del Cyg ; 2.86; 11000;occ; 75; 0;43989  
21; 2781.1; 30-JUL-2010 04:33:29; Bright; 42.5; 19; 50Alp Cyg ; 1.25; 10500;occ; 85; 0;43989  
22; 3104.1; 30-JUL-2010 04:38:52; Bright; 38.0; 89; 5Alp Cep ; 2.45; 8000;occ; 76; 0;43989

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3;-1836.0; 30-JUL-2010 04:57:08; Bright; 42.0; 6; 13Alp Aur ; 0.08; 3400;occ; 84; 0;43989  
4;-1719.6; 30-JUL-2010 04:59:05; Bright; 62.0; 149; 45Eps Per ; 2.89; 30000;occ; 124; 0;43989  
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13; 286.9; 30-JUL-2010 05:32:31; Dark ; 52.5; 9; Alp Eri ; 0.45; 24000;occ; 105; 0;43990
14; 561.1; 30-JUL-2010 05:37:06; Dark ; 53.5; 84; Alp Phe ; 2.40; 4500;occ; 107; 0;43990
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16; 1093.2; 30-JUL-2010 05:45:58; Dark ; 44.5; 172; Gam Gru ; 3.00; 13100;occ; 89; 0;43990
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18; 2595.9; 30-JUL-2010 06:11:00; Bright; 46.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 93; 0;43990
19; 2701.0; 30-JUL-2010 06:12:45; Bright; 39.0; 144; 18Del Cyg ; 2.86; 11000;occ; 78; 0;43990
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21; 3103.8; 30-JUL-2010 06:19:28; Bright; 41.5; 89; 5Alp Cep ; 2.45; 8000;occ; 83; 0;43990
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4; 2590.5; 30-JUL-2010 21:16:18; Bright; 43.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 87; 0;43999
5; 2699.1; 30-JUL-2010 21:18:07; Bright; 38.5; 144; 18Del Cyg ; 2.86; 11000;occ; 77; 0;43999
6; 3099.6; 30-JUL-2010 21:24:48; Bright; 42.0; 89; 5Alp Cep ; 2.45; 8000;occ; 84; 0;43999
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9; 4315.9; 30-JUL-2010 21:45:04; Bright; 45.5; 149; 45Eps Per ; 2.89; 30000;occ; 91; 0;43999
10; 4498.3; 30-JUL-2010 21:48:06; Dark ; 54.0; 150; 44Zet Per ; 2.89; 28000;occ; 108; 0;43999
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12; 4781.6; 30-JUL-2010 21:52:50; Dark ; 62.0; 13; 87Alp Tau ; 0.87; 3800;occ; 124; 0;43999
13; 4902.8; 30-JUL-2010 21:54:51; Dark ; 42.5; 27; 24Gam Ori ; 1.64; 26000;occ; 85; 0;43999
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4; 293.6; 30-JUL-2010 22:18:37; Dark ; 43.5; 9; Alp Eri ; 0.45; 24000;occ; 87; 0;44000
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6; 909.0; 30-JUL-2010 22:28:53; Dark ; 52.0; 31; Alp Gru ; 1.73; 15200;occ; 104; 0;44000
7; 1098.1; 30-JUL-2010 22:32:02; Dark ; 47.5; 172; Gam Gru ; 3.00; 13100;occ; 95; 0;44000
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11; 3099.3; 30-JUL-2010 23:05:23; Bright; 38.5; 89; 5Alp Cep ; 2.45; 8000;occ; 77; 0;44000
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16; 4634.8; 30-JUL-2010 23:30:59; Dark ; 41.0; 176; 23Zet Tau ; 3.02; 22000;occ; 82; 0;44000
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19; 5164.1; 30-JUL-2010 23:39:48; Dark ; 50.0; 7; 19Bet Ori ; 0.10; 14000;occ; 100; 0;44000
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5; 909.1; 31-JUL-2010 00:09:29; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;44001
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9; 2698.6; 31-JUL-2010 00:39:18; Bright; 38.0; 144; 18Del Cyg ; 2.86; 11000;occ; 76; 0;44001
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12; 4199.9; 31-JUL-2010 01:04:20; Bright; 40.5; 6; 13Alp Aur ; 0.08; 3400;occ; 81; 0;44001
13; 4315.9; 31-JUL-2010 01:06:16; Bright; 66.0; 149; 45Eps Per ; 2.89; 30000;occ; 132; 0;44001
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16; 4782.5; 31-JUL-2010 01:14:02; Dark ; 51.0; 13; 87Alp Tau ; 0.87; 3800;occ; 102; 0;44001

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4; 574.1; 31-JUL-2010 01:44:30; Dark ; 66.5; 84; Alp Phe ; 2.40; 4500;occ; 133; 0;44002
5; 910.2; 31-JUL-2010 01:50:06; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;44002
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