

GOMOS Daily Report 18-DEC-2009

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	20DEC2009 04:37:50
Data source version	GOMOS/5.00L04
Start time of products	18DEC2009 00:00:02
Stop time of products	18DEC2009 23:55:43
Store outputs in DB	Yes
Nb of level 1b prods	179
Nb of prods with errors	0

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

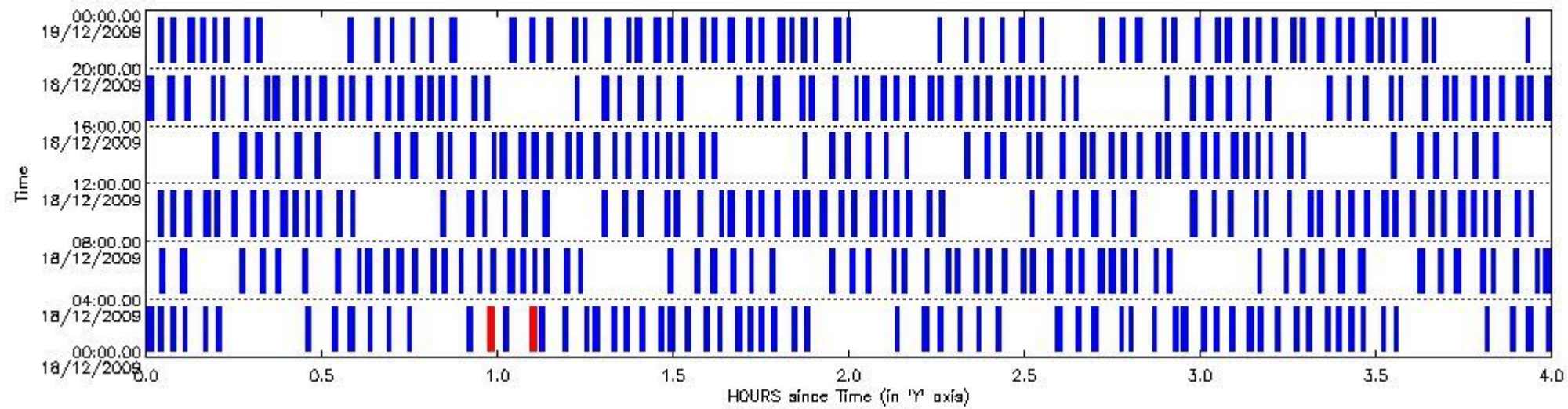
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
18-DEC-2009 00:58:22	46GamHya	169	40780
18-DEC-2009 01:05:38	GamCen	64	40780

2.4 Summary of processed GOM_TRA_1P products

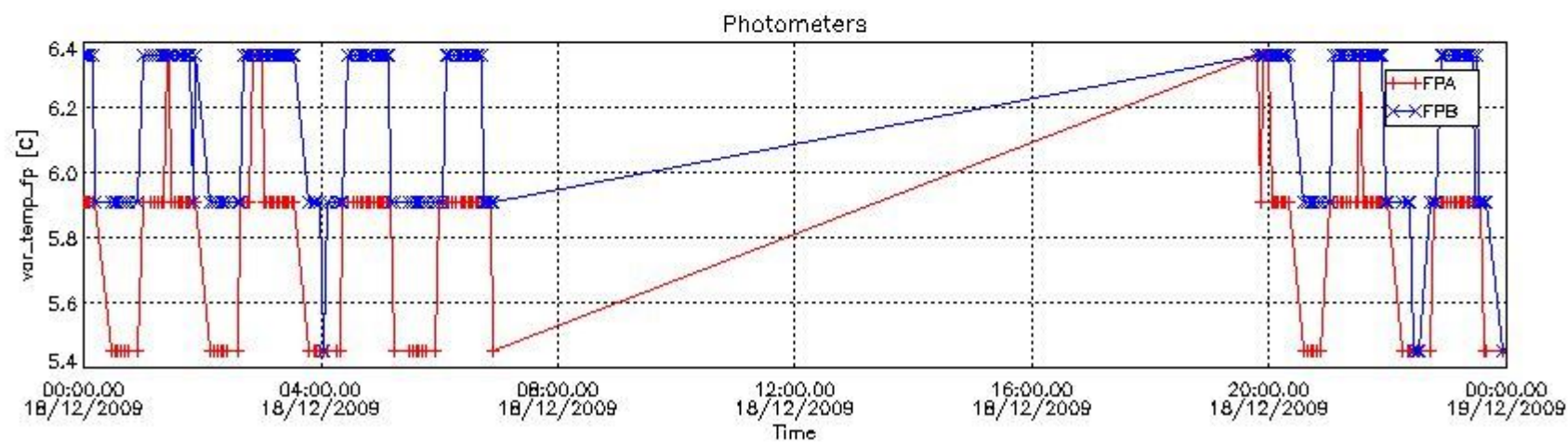
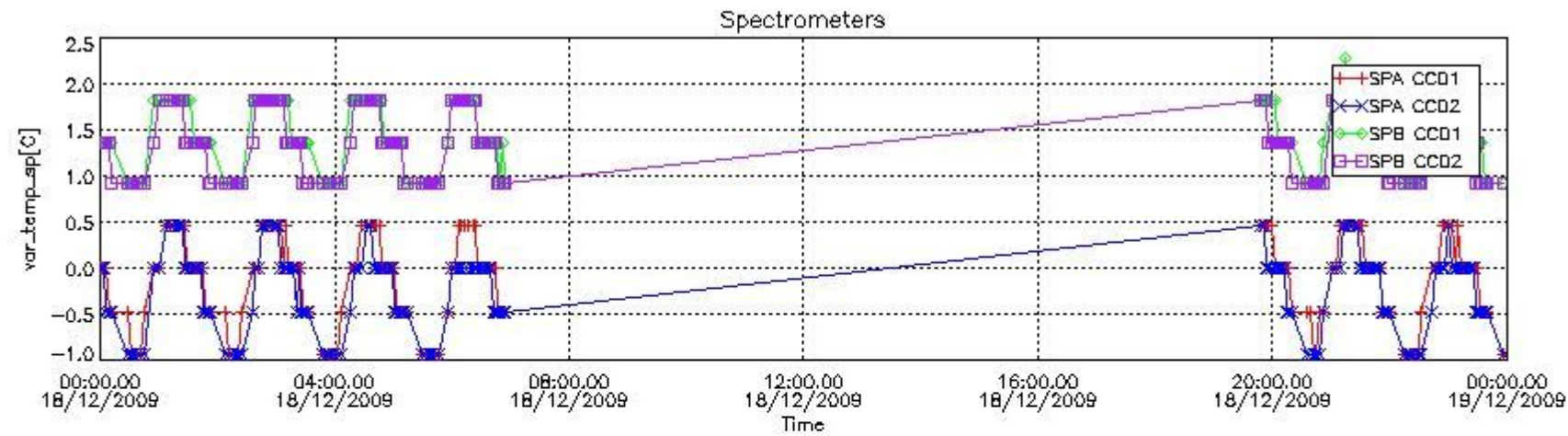
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_TRA_1PNPDE20091218_000002_000000652085_00145_40780_8937.N1	18-DEC-2009 00:00:02	Twilight_stray	65.000	14	58Alp Ori	0.87000	3000.0	130	40780	No
2	GOM_TRA_1PNPDE20091218_000205_000000472085_00145_40780_8938.N1	18-DEC-2009 00:02:05	Twilight_stray	47.000	13	87Alp Tau	0.86700	3800.0	94	40780	No
3	GOM_TRA_1PNPDE20091218_000410_000000422085_00145_40780_8939.N1	18-DEC-2009 00:04:10	Bright	42.000	176	23Zet Tau	3.0200	22000.	84	40780	No
4	GOM_TRA_1PNPDE20091218_000614_000000442085_00145_40780_8940.N1	18-DEC-2009 00:06:14	Bright	44.000	28	12Bet Tau	1.6500	15200.	88	40780	No
5	GOM_TRA_1PNPDE20091218_000944_000000452085_00145_40780_8941.N1	18-DEC-2009 00:09:44	Bright	44.500	107	37The Aur	2.6490	11000.	89	40780	No
6	GOM_TRA_1PNPDE20091218_001155_000000432085_00145_40780_8942.N1	18-DEC-2009 00:11:55	Bright	43.000	42	34Bet Aur	1.9000	10200.	86	40780	No
7	GOM_TRA_1PNPDE20091218_002720_000000342085_00145_40780_8943.N1	18-DEC-2009 00:27:20	Bright	34.000	60	7Bet UMi	2.0810	3950.0	68	40780	No
8	GOM_TRA_1PNPDE20091218_003152_000000472085_00145_40780_8944.N1	18-DEC-2009 00:31:52	Bright	47.000	32	77Eps UMa	1.7630	11000.	94	40780	No
9	GOM_TRA_1PNPDE20091218_003432_000000592085_00145_40780_8945.N1	18-DEC-2009 00:34:32	Bright	59.000	39	85Eta UMa	1.8540	24000.	118	40780	No

10	GOM_TRA_1PNPDE20091218_003757_000000362085_00145_40780_8946.N1	18-DEC-2009 00:37:57	Bright	35.500	180	27Gam Boo	3.0400	8000.0	71	40780	No
11	GOM_TRA_1PNPDE20091218_004112_000000362085_00145_40780_8947.N1	18-DEC-2009 00:41:12	Bright	36.000	83		2.3780	11000.	72	40780	No
12	GOM_TRA_1PNPDE20091218_004436_000000402085_00145_40780_8948.N1	18-DEC-2009 00:44:36	Bright	39.500	111	8Eta Boo	2.6800	6000.0	79	40780	No
13	GOM_TRA_1PNPDE20091218_005444_000000552085_00145_40780_8946.N1	18-DEC-2009 00:54:44	Tw_i_and_stray	54.500	15	67Alp Vir	0.97600	28000.	109	40780	No
14	GOM_TRA_1PNPDE20091218_010055_000000552085_00145_40780_8947.N1	18-DEC-2009 01:00:55	Dark	54.500	106	9Bet Crv	2.6480	5600.0	109	40780	No
15	GOM_TRA_1PNPDE20091218_010711_000000432085_00146_40781_8948.N1	18-DEC-2009 01:07:11	Dark	42.500	99	Del Cen	2.5750	26000.	85	40781	No
16	GOM_TRA_1PNPDE20091218_011107_000000452085_00146_40781_8949.N1	18-DEC-2009 01:11:07	Dark	44.500	113	Mu Vel	2.6920	5000.0	89	40781	No
17	GOM_TRA_1PNPDE20091218_011446_000000412085_00146_40781_8950.N1	18-DEC-2009 01:14:46	Dark	40.500	71	lot Car	2.2460	7700.0	81	40781	No
18	GOM_TRA_1PNPDE20091218_011929_000000452085_00146_40781_8951.N1	18-DEC-2009 01:19:29	Dark	44.500	34	Gam2Vel	1.7930	23000.	89	40781	No
19	GOM_TRA_1PNPDE20091218_012138_000000512085_00146_40781_8952.N1	18-DEC-2009 01:21:38	Dark	51.000	70	Zet Pup	2.2460	39000.	102	40781	No
20	GOM_TRA_1PNPDE20091218_012416_000000522085_00146_40781_8953.N1	18-DEC-2009 01:24:16	Dark	51.500	117	Pi Pup	2.7060	3800.0	103	40781	No
21	GOM_TRA_1PNPDE20091218_012727_000000512085_00146_40781_8954.N1	18-DEC-2009 01:27:27	Straylight	51.000	23	21Eps CMa	1.5020	26000.	102	40781	No
22	GOM_TRA_1PNPDE20091218_012913_000000522085_00146_40781_8955.N1	18-DEC-2009 01:29:13	Straylight	52.000	179	24Omi2CMa	3.0320	24000.	104	40781	No
23	GOM_TRA_1PNPDE20091218_013210_000000392085_00146_40781_8956.N1	18-DEC-2009 01:32:10	Straylight	39.000	1	9Alp CMa	-1.4400	11000.	78	40781	No
24	GOM_TRA_1PNPDE20091218_013523_000000482085_00146_40781_8957.N1	18-DEC-2009 01:35:23	Straylight	48.000	7	19Bet Ori	0.10000	14000.	96	40781	No
25	GOM_TRA_1PNPDE20091218_013734_000000452085_00146_40781_8958.N1	18-DEC-2009 01:37:34	Straylight	44.500	30	46Eps Ori	1.6940	30000.	89	40781	No
26	GOM_TRA_1PNPDE20091218_014037_000000572085_00146_40781_8959.N1	18-DEC-2009 01:40:37	Tw_i_and_stray	56.500	14	58Alp Ori	0.87000	3000.0	113	40781	No
27	GOM_TRA_1PNPDE20091218_014241_000000492085_00146_40781_8960.N1	18-DEC-2009 01:42:41	Tw_i_and_stray	49.000	13	87Alp Tau	0.86700	3800.0	98	40781	No
28	GOM_TRA_1PNPDE20091218_014446_000000452085_00146_40781_8961.N1	18-DEC-2009 01:44:46	Bright	45.000	176	23Zet Tau	3.0200	22000.	90	40781	No
29	GOM_TRA_1PNPDE20091218_014649_000000412085_00146_40781_8962.N1	18-DEC-2009 01:46:49	Bright	41.000	28	12Bet Tau	1.6500	15200.	82	40781	No
30	GOM_TRA_1PNPDE20091218_015019_000000442085_00146_40781_8963.N1	18-DEC-2009 01:50:19	Bright	43.500	107	37The Aur	2.6490	11000.	87	40781	No
31	GOM_TRA_1PNPDE20091218_015231_000000432085_00146_40781_8964.N1	18-DEC-2009 01:52:31	Bright	43.000	42	34Bet Aur	1.9000	10200.	86	40781	No
32	GOM_TRA_1PNPDE20091218_020756_000000392085_00146_40781_8965.N1	18-DEC-2009 02:07:56	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	40781	No
33	GOM_TRA_1PNPDE20091218_021228_000000622085_00146_40781_8966.N1	18-DEC-2009 02:12:28	Bright	62.000	32	77Eps UMa	1.7630	11000.	124	40781	No
34	GOM_TRA_1PNPDE20091218_021508_000000592085_00146_40781_8970.N1	18-DEC-2009 02:15:08	Bright	59.000	39	85Eta UMa	1.8540	24000.	118	40781	No
35	GOM_TRA_1PNPDE20091218_021833_000000362085_00146_40781_8971.N1	18-DEC-2009 02:18:33	Bright	35.500	180	27Gam Boo	3.0400	8000.0	71	40781	No
36	GOM_TRA_1PNPDE20091218_022148_000000372085_00146_40781_8972.N1	18-DEC-2009 02:21:48	Bright	37.000	83		2.3780	11000.	74	40781	No
37	GOM_TRA_1PNPDE20091218_022512_000000412085_00146_40781_8973.N1	18-DEC-2009 02:25:12	Bright	40.500	111	8Eta Boo	2.6800	6000.0	81	40781	No
38	GOM_TRA_1PNPDE20091218_023521_000000552085_00146_40781_8974.N1	18-DEC-2009 02:35:21	Tw_i_and_stray	54.500	15	67Alp Vir	0.97600	28000.	109	40781	No
39	GOM_TRA_1PNPDE20091218_023852_000000482085_00146_40781_8975.N1	18-DEC-2009 02:38:52	Dark	47.500	169	46Gam Hya	2.9910	4700.0	95	40781	No
40	GOM_TRA_1PNPDE20091218_024132_000000592085_00146_40781_8976.N1	18-DEC-2009 02:41:32	Dark	59.000	106	9Bet Crv	2.6480	5600.0	118	40781	No
41	GOM_TRA_1PNPDE20091218_024608_000000402085_00146_40781_8977.N1	18-DEC-2009 02:46:08	Dark	40.000	64	Gam Cen	2.2000	10600.	80	40781	No
42	GOM_TRA_1PNPDE20091218_024748_000000412085_00147_40782_8978.N1	18-DEC-2009 02:47:48	Dark	40.500	99	Del Cen	2.5750	26000.	81	40782	No
43	GOM_TRA_1PNPDE20091218_025144_000000442085_00147_40782_8979.N1	18-DEC-2009 02:51:44	Dark	44.000	113	Mu Vel	2.6920	5000.0	88	40782	No
44	GOM_TRA_1PNPDE20091218_025523_000000412085_00147_40782_8980.N1	18-DEC-2009 02:55:23	Dark	40.500	71	lot Car	2.2460	7700.0	81	40782	No
45	GOM_TRA_1PNPDE20091218_030005_000000482085_00147_40782_8981.N1	18-DEC-2009 03:00:05	Dark	47.500	34	Gam2Vel	1.7930	23000.	95	40782	No
46	GOM_TRA_1PNPDE20091218_030214_000000482085_00147_40782_8982.N1	18-DEC-2009 03:02:14	Dark	48.000	70	Zet Pup	2.2460	39000.	96	40782	No
47	GOM_TRA_1PNPDE20091218_030452_000000532085_00147_40782_8983.N1	18-DEC-2009 03:04:52	Dark	53.000	117	Pi Pup	2.7060	3800.0	106	40782	No
48	GOM_TRA_1PNPDE20091218_030804_000000542085_00147_40782_8984.N1	18-DEC-2009 03:08:04	Straylight	53.500	23	21Eps CMa	1.5020	26000.	107	40782	No
49	GOM_TRA_1PNPDE20091218_030949_000000532085_00147_40782_8985.N1	18-DEC-2009 03:09:49	Straylight	53.000	179	24Omi2CMa	3.0320	24000.	106	40782	No
50	GOM_TRA_1PNPDE20091218_031246_000000452085_00147_40782_8986.N1	18-DEC-2009 03:12:46	Straylight	45.000	1	9Alp CMa	-1.4400	11000.	90	40782	No
51	GOM_TRA_1PNPDE20091218_031559_000000472085_00147_40782_8987.N1	18-DEC-2009 03:15:59	Straylight	47.000	7	19Bet Ori	0.10000	14000.	94	40782	No
52	GOM_TRA_1PNPDE20091218_031810_000000472085_00147_40782_8988.N1	18-DEC-2009 03:18:10	Straylight	47.000	30	46Eps Ori	1.6940	30000.	94	40782	No
53	GOM_TRA_1PNPDE20091218_032113_000000632085_00147_40782_8989.N1	18-DEC-2009 03:21:13	Tw_i_and_stray	62.500	14	58Alp Ori	0.87000	3000.0	125	40782	No
54	GOM_TRA_1PNPDE20091218_032316_000000472085_00147_40782_8990.N1	18-DEC-2009 03:23:16	Tw_i_and_stray	46.500	13	87Alp Tau	0.86700	3800.0	93	40782	No
55	GOM_TRA_1PNPDE20091218_032521_000000452085_00147_40782_8991.N1	18-DEC-2009 03:25:21	Bright	44.500	176	23Zet Tau	3.0200	22000.	89	40782	No
56	GOM_TRA_1PNPDE20091218_032725_000000452085_00147_40782_8992.N1	18-DEC-2009 03:27:25	Bright	44.500	28	12Bet Tau	1.6500	15200.	89	40782	No
57	GOM_TRA_1PNPDE20091218_033054_000000442085_00147_40782_8993.N1	18-DEC-2009 03:30:54	Bright	44.000	107	37The Aur	2.6490	11000.	88	40782	No
58	GOM_TRA_1PNPDE20091218_033306_000000422085_00147_40782_8994.N1	18-DEC-2009 03:33:06	Bright	42.000	42	34Bet Aur	1.9000	10200.	84	40782	No
59	GOM_TRA_1PNPDE20091218_034832_000000372085_00147_40782_8995.N1	18-DEC-2009 03:48:32	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	40782	No
60	GOM_TRA_1PNPDE20091218_035303_000000452085_00147_40782_8996.N1	18-DEC-2009 03:53:03	Bright	44.500	32	77Eps UMa	1.7630	11000.	89	40782	No
61	GOM_TRA_1PNPDE20091218_035543_000000592085_00147_40782_8997.N1	18-DEC-2009 03:55:43	Bright	59.000	39	85Eta UMa	1.8540	24000.	118	40782	No
62	GOM_TRA_1PNPDE20091218_035908_000000352085_00147_40782_8998.N1	18-DEC-2009 03:59:08	Bright	34.500	180	27Gam Boo	3.0400	8000.0	69	40782	No
63	GOM_TRA_1PNPDE20091218_040224_000000372085_00147_40782_8999.N1	18-DEC-2009 04:02:24	Bright	36.500	83		2.3780	11000.	73	40782	No
64	GOM_TRA_1PNPDE20091218_040548_000000612085_00147_40782_9000.N1	18-DEC-2009 04:05:48	Bright	61.000	111	8Eta Boo	2.6800	6000.0	122	40782	No
65	GOM_TRA_1PNPDE20091218_041558_000000542085_00147_40782_9001.N1	18-DEC-2009 04:15:58	Tw_i_and_stray	53.500	15	67Alp Vir	0.97600	28000.	107	40782	No
66	GOM_TRA_1PNPDE20091218_041928_000000482085_00147_40782_9002.N1	18-DEC-2009 04:19:28	Dark	48.000	169	46Gam Hya	2.9910	4700.0	96	40782	No
67	GOM_TRA_1PNPDE20091218_042209_000000512085_00147_40782_9003.N1	18-DEC-2009 04:22:09	Dark	50.500	106	9Bet Crv	2.6480	5600.0	101	40782	No
68	GOM_TRA_1PNPDE20091218_042645_000000422085_00147_40782_9004.N1	18-DEC-2009 04:26:45	Dark	41.500	64	Gam Cen	2.2000	10600.	83	40782	No

69	GOM_TRA_1PNPDE20091218_043221_000000452085_00148_40783_9005.N1	18-DEC-2009 04:32:21	Dark	45.000	113	Mu Vel	2.6920	5000.0	90	40783	No
70	GOM_TRA_1PNPDE20091218_043600_000000422085_00148_40783_9006.N1	18-DEC-2009 04:36:00	Dark	41.500	71	lot Car	2.2460	7700.0	83	40783	No
71	GOM_TRA_1PNPDE20091218_044042_000000462085_00148_40783_9007.N1	18-DEC-2009 04:40:42	Dark	46.000	34	Gam2Vel	1.7930	23000.	92	40783	No
72	GOM_TRA_1PNPDE20091218_044251_000000522085_00148_40783_9008.N1	18-DEC-2009 04:42:51	Dark	51.500	70	Zet Pup	2.2460	39000.	103	40783	No
73	GOM_TRA_1PNPDE20091218_044529_000000532085_00148_40783_9009.N1	18-DEC-2009 04:45:29	Dark	52.500	117	Pi Pup	2.7060	3800.0	105	40783	No
74	GOM_TRA_1PNPDE20091218_044840_000000532085_00148_40783_9010.N1	18-DEC-2009 04:48:40	Straylight	53.000	23	21Eps CMa	1.5020	26000.	106	40783	No
75	GOM_TRA_1PNPDE20091218_045025_000000522085_00148_40783_9011.N1	18-DEC-2009 04:50:25	Straylight	52.000	179	24Omi2CMa	3.0320	24000.	104	40783	No
76	GOM_TRA_1PNPDE20091218_045322_000000452085_00148_40783_9012.N1	18-DEC-2009 04:53:22	Straylight	45.000	1	9Alp CMa	-1.4400	11000.	90	40783	No
77	GOM_TRA_1PNPDE20091218_045635_000000462085_00148_40783_9013.N1	18-DEC-2009 04:56:35	Straylight	46.000	7	19Bet Ori	0.10000	14000.	92	40783	No
78	GOM_TRA_1PNPDE20091218_045846_000000472085_00148_40783_9014.N1	18-DEC-2009 04:58:46	Straylight	47.000	30	46Eps Ori	1.6940	30000.	94	40783	No
79	GOM_TRA_1PNPDE20091218_050149_000000602085_00148_40783_9015.N1	18-DEC-2009 05:01:49	Tw_i_and_stray	59.500	14	58Alp Ori	0.87000	3000.0	119	40783	No
80	GOM_TRA_1PNPDE20091218_050352_000000502085_00148_40783_9016.N1	18-DEC-2009 05:03:52	Tw_i_and_stray	50.000	13	87Alp Tau	0.86700	3800.0	100	40783	No
81	GOM_TRA_1PNPDE20091218_050557_000000412085_00148_40783_9017.N1	18-DEC-2009 05:05:57	Bright	41.000	176	23Zet Tau	3.0200	22000.	82	40783	No
82	GOM_TRA_1PNPDE20091218_050800_000000432085_00148_40783_9018.N1	18-DEC-2009 05:08:00	Bright	42.500	28	12Bet Tau	1.6500	15200.	85	40783	No
83	GOM_TRA_1PNPDE20091218_051130_000000442085_00148_40783_9019.N1	18-DEC-2009 05:11:30	Bright	43.500	107	37The Aur	2.6490	11000.	87	40783	No
84	GOM_TRA_1PNPDE20091218_051341_000000432085_00148_40783_9020.N1	18-DEC-2009 05:13:41	Bright	43.000	42	34Bet Aur	1.9000	10200.	86	40783	No
85	GOM_TRA_1PNPDE20091218_052908_000000532085_00148_40783_9024.N1	18-DEC-2009 05:29:08	Bright	53.000	60	7Bet UMi	2.0810	3950.0	106	40783	No
86	GOM_TRA_1PNPDE20091218_053339_000000432085_00148_40783_9025.N1	18-DEC-2009 05:33:39	Bright	43.000	32	77Eps UMa	1.7630	11000.	86	40783	No
87	GOM_TRA_1PNPDE20091218_053619_000000592085_00148_40783_9026.N1	18-DEC-2009 05:36:19	Bright	59.000	39	85Eta UMa	1.8540	24000.	118	40783	No
88	GOM_TRA_1PNPDE20091218_053945_000000552085_00148_40783_9027.N1	18-DEC-2009 05:39:45	Bright	55.000	180	27Gam Boo	3.0400	8000.0	110	40783	No
89	GOM_TRA_1PNPDE20091218_054300_000000372085_00148_40783_9028.N1	18-DEC-2009 05:43:00	Bright	36.500	83		2.3780	11000.	73	40783	No
90	GOM_TRA_1PNPDE20091218_054624_000000612085_00148_40783_9029.N1	18-DEC-2009 05:46:24	Bright	61.000	111	8Eta Boo	2.6800	6000.0	122	40783	No
91	GOM_TRA_1PNPDE20091218_055635_000000552085_00148_40783_9030.N1	18-DEC-2009 05:56:35	Tw_i_and_stray	54.500	15	67Alp Vir	0.97600	28000.	109	40783	No
92	GOM_TRA_1PNPDE20091218_060005_000000482085_00148_40783_9031.N1	18-DEC-2009 06:00:05	Dark	48.000	169	46Gam Hya	2.9910	4700.0	96	40783	No
93	GOM_TRA_1PNPDE20091218_060246_000000552085_00148_40783_9032.N1	18-DEC-2009 06:02:46	Dark	55.000	106	9Bet Crv	2.6480	5600.0	110	40783	No
94	GOM_TRA_1PNPDE20091218_060721_000000432085_00148_40783_9033.N1	18-DEC-2009 06:07:21	Dark	43.000	64	Gam Cen	2.2000	10600.	86	40783	No
95	GOM_TRA_1PNPDE20091218_060901_000000432085_00149_40784_9034.N1	18-DEC-2009 06:09:01	Dark	42.500	99	Del Cen	2.5750	26000.	85	40784	No
96	GOM_TRA_1PNPDE20091218_061258_000000442085_00149_40784_9035.N1	18-DEC-2009 06:12:58	Dark	43.500	113	Mu Vel	2.6920	5000.0	87	40784	No
97	GOM_TRA_1PNPDE20091218_061636_000000412085_00149_40784_9036.N1	18-DEC-2009 06:16:36	Dark	41.000	71	lot Car	2.2460	7700.0	82	40784	No
98	GOM_TRA_1PNPDE20091218_062119_000000452085_00149_40784_9037.N1	18-DEC-2009 06:21:19	Dark	45.000	34	Gam2Vel	1.7930	23000.	90	40784	No
99	GOM_TRA_1PNPDE20091218_062328_000000512085_00149_40784_9038.N1	18-DEC-2009 06:23:28	Dark	51.000	70	Zet Pup	2.2460	39000.	102	40784	No
100	GOM_TRA_1PNPDE20091218_062605_000000502085_00149_40784_9039.N1	18-DEC-2009 06:26:05	Dark	50.000	117	Pi Pup	2.7060	3800.0	100	40784	No
101	GOM_TRA_1PNPDE20091218_062916_000000532085_00149_40784_9040.N1	18-DEC-2009 06:29:16	Straylight	53.000	23	21Eps CMa	1.5020	26000.	106	40784	No
102	GOM_TRA_1PNPDE20091218_063101_000000542085_00149_40784_9041.N1	18-DEC-2009 06:31:01	Straylight	53.500	179	24Omi2CMa	3.0320	24000.	107	40784	No
103	GOM_TRA_1PNPDE20091218_063358_000000502085_00149_40784_9042.N1	18-DEC-2009 06:33:58	Straylight	50.000	1	9Alp CMa	-1.4400	11000.	100	40784	No
104	GOM_TRA_1PNPDE20091218_063711_000000482085_00149_40784_9043.N1	18-DEC-2009 06:37:11	Straylight	47.500	7	19Bet Ori	0.10000	14000.	95	40784	No
105	GOM_TRA_1PNPDE20091218_063922_000000472085_00149_40784_9044.N1	18-DEC-2009 06:39:22	Straylight	47.000	30	46Eps Ori	1.6940	30000.	94	40784	No
106	GOM_TRA_1PNPDE20091218_064225_000000632085_00149_40784_9045.N1	18-DEC-2009 06:42:25	Tw_i_and_stray	62.500	14	58Alp Ori	0.87000	3000.0	125	40784	No
107	GOM_TRA_1PNPDE20091218_064429_000000532085_00149_40784_9046.N1	18-DEC-2009 06:44:29	Tw_i_and_stray	52.500	13	87Alp Tau	0.86700	3800.0	105	40784	No
108	GOM_TRA_1PNPDE20091218_064632_000000452085_00149_40784_9047.N1	18-DEC-2009 06:46:32	Bright	44.500	176	23Zet Tau	3.0200	22000.	89	40784	No
109	GOM_TRA_1PNPDE20091218_064836_000000432085_00149_40784_9048.N1	18-DEC-2009 06:48:36	Bright	42.500	28	12Bet Tau	1.6500	15200.	85	40784	No
110	GOM_TRA_1PNPDE20091218_065206_000000432085_00149_40784_9049.N1	18-DEC-2009 06:52:06	Bright	43.000	107	37The Aur	2.6490	11000.	86	40784	No
111	GOM_TRA_1PNPDE20091218_065417_000000432085_00149_40784_9050.N1	18-DEC-2009 06:54:17	Bright	42.500	42	34Bet Aur	1.9000	10200.	85	40784	No
112	GOM_TRA_1PNPDE20091218_194821_000000512085_00157_40792_9184.N1	18-DEC-2009 19:48:21	Dark	51.000	70	Zet Pup	2.2460	39000.	102	40792	No
113	GOM_TRA_1PNPDE20091218_195057_000000522085_00157_40792_9185.N1	18-DEC-2009 19:50:57	Dark	52.000	117	Pi Pup	2.7060	3800.0	104	40792	No
114	GOM_TRA_1PNPDE20091218_195407_000000512085_00157_40792_9186.N1	18-DEC-2009 19:54:07	Straylight	51.000	23	21Eps CMa	1.5020	26000.	102	40792	No
115	GOM_TRA_1PNPDE20091218_195552_000000522085_00157_40792_9187.N1	18-DEC-2009 19:55:52	Straylight	51.500	179	24Omi2CMa	3.0320	24000.	103	40792	No
116	GOM_TRA_1PNPDE20091218_195846_000000562085_00157_40792_9188.N1	18-DEC-2009 19:58:46	Straylight	56.000	1	9Alp CMa	-1.4400	11000.	112	40792	No
117	GOM_TRA_1PNPDE20091218_200159_000000472085_00157_40792_9189.N1	18-DEC-2009 20:01:59	Straylight	47.000	7	19Bet Ori	0.10000	14000.	94	40792	No
118	GOM_TRA_1PNPDE20091218_200409_000000482085_00157_40792_9190.N1	18-DEC-2009 20:04:09	Straylight	47.500	30	46Eps Ori	1.6940	30000.	95	40792	No
119	GOM_TRA_1PNPDE20091218_200710_000000622085_00157_40792_9191.N1	18-DEC-2009 20:07:10	Tw_i_and_stray	62.000	14	58Alp Ori	0.87000	3000.0	124	40792	No
120	GOM_TRA_1PNPDE20091218_200916_000000472085_00157_40792_9192.N1	18-DEC-2009 20:09:16	Tw_i_and_stray	47.000	13	87Alp Tau	0.86700	3800.0	94	40792	No
121	GOM_TRA_1PNPDE20091218_201117_000000432085_00157_40792_9193.N1	18-DEC-2009 20:11:17	Bright	43.000	176	23Zet Tau	3.0200	22000.	86	40792	No
122	GOM_TRA_1PNPDE20091218_201321_000000432085_00157_40792_9194.N1	18-DEC-2009 20:13:21	Bright	43.000	28	12Bet Tau	1.6500	15200.	86	40792	No
123	GOM_TRA_1PNPDE20091218_201649_000000442085_00157_40792_9195.N1	18-DEC-2009 20:16:49	Bright	43.500	107	37The Aur	2.6490	11000.	87	40792	No
124	GOM_TRA_1PNPDE20091218_201900_000000442085_00157_40792_9196.N1	18-DEC-2009 20:19:00	Bright	44.000	42	34Bet Aur	1.9000	10200.	88	40792	No
125	GOM_TRA_1PNPDE20091218_203431_000000402085_00157_40792_9197.N1	18-DEC-2009 20:34:31	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	40792	No
126	GOM_TRA_1PNPDE20091218_203900_000000472085_00157_40792_9198.N1	18-DEC-2009 20:39:00	Bright	46.500	32	77Eps UMa	1.7630	11000.	93	40792	No
127	GOM_TRA_1PNPDE20091218_204142_000000382085_00157_40792_9199.N1	18-DEC-2009 20:41:42	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	40792	No

128	GOM_TRA_1PNPDE20091218_204509_000000372085_00157_40792_9200.N1	18-DEC-2009 20:45:09	Bright	36.500	180	27Gam Boo	3.0400	8000.0	73	40792	No
129	GOM_TRA_1PNPDE20091218_204825_000000372085_00157_40792_9201.N1	18-DEC-2009 20:48:25	Bright	36.500	83		2.3780	11000.	73	40792	No
130	GOM_TRA_1PNPDE20091218_205151_000000622085_00157_40792_9202.N1	18-DEC-2009 20:51:51	Bright	61.500	111	8Eta Boo	2.6800	6000.0	123	40792	No
131	GOM_TRA_1PNPDE20091218_210205_000000552085_00157_40792_9200.N1	18-DEC-2009 21:02:05	Twilight	55.000	15	67Alp Vir	0.97600	28000.	110	40792	No
132	GOM_TRA_1PNPDE20091218_210536_000000462085_00157_40792_9201.N1	18-DEC-2009 21:05:36	Dark	45.500	169	46Gam Hya	2.9910	4700.0	91	40792	No
133	GOM_TRA_1PNPDE20091218_210820_000000522085_00157_40792_9202.N1	18-DEC-2009 21:08:20	Dark	51.500	106	9Bet Crv	2.6480	5600.0	103	40792	No
134	GOM_TRA_1PNPDE20091218_211250_000000422085_00157_40792_9203.N1	18-DEC-2009 21:12:50	Dark	42.000	64	Gam Cen	2.2000	10600.	84	40792	No
135	GOM_TRA_1PNPDE20091218_211431_000000422085_00158_40793_9204.N1	18-DEC-2009 21:14:31	Dark	41.500	99	Del Cen	2.5750	26000.	83	40793	No
136	GOM_TRA_1PNPDE20091218_211830_000000462085_00158_40793_9205.N1	18-DEC-2009 21:18:30	Dark	46.000	113	Mu Vel	2.6920	5000.0	92	40793	No
137	GOM_TRA_1PNPDE20091218_212205_000000402085_00158_40793_9206.N1	18-DEC-2009 21:22:05	Dark	40.000	71	lot Car	2.2460	7700.0	80	40793	No
138	GOM_TRA_1PNPDE20091218_212648_000000502085_00158_40793_9207.N1	18-DEC-2009 21:26:48	Dark	49.500	34	Gam2Vel	1.7930	23000.	99	40793	No
139	GOM_TRA_1PNPDE20091218_212858_000000512085_00158_40793_9208.N1	18-DEC-2009 21:28:58	Dark	50.500	70	Zet Pup	2.2460	39000.	101	40793	No
140	GOM_TRA_1PNPDE20091218_213133_000000522085_00158_40793_9209.N1	18-DEC-2009 21:31:33	Dark	52.000	117	Pi Pup	2.7060	3800.0	104	40793	No
141	GOM_TRA_1PNPDE20091218_213443_000000522085_00158_40793_9210.N1	18-DEC-2009 21:34:43	Straylight	51.500	23	21Eps CMa	1.5020	26000.	103	40793	No
142	GOM_TRA_1PNPDE20091218_213628_000000522085_00158_40793_9211.N1	18-DEC-2009 21:36:28	Straylight	51.500	179	24Omi2CMa	3.0320	24000.	103	40793	No
143	GOM_TRA_1PNPDE20091218_213922_000000622085_00158_40793_9212.N1	18-DEC-2009 21:39:22	Straylight	62.000	1	9Alp CMa	-1.4400	11000.	124	40793	No
144	GOM_TRA_1PNPDE20091218_214235_000000462085_00158_40793_9213.N1	18-DEC-2009 21:42:35	Straylight	45.500	7	19Bet Ori	0.10000	14000.	91	40793	No
145	GOM_TRA_1PNPDE20091218_214445_000000482085_00158_40793_9214.N1	18-DEC-2009 21:44:45	Straylight	47.500	30	46Eps Ori	1.6940	30000.	95	40793	No
146	GOM_TRA_1PNPDE20091218_214745_000000632085_00158_40793_9215.N1	18-DEC-2009 21:47:45	Twilight	62.500	14	58Alp Ori	0.87000	3000.0	125	40793	No
147	GOM_TRA_1PNPDE20091218_214952_000000452085_00158_40793_9216.N1	18-DEC-2009 21:49:52	Twilight	45.000	13	87Alp Tau	0.86700	3800.0	90	40793	No
148	GOM_TRA_1PNPDE20091218_215153_000000442085_00158_40793_9217.N1	18-DEC-2009 21:51:53	Bright	44.000	176	23Zet Tau	3.0200	22000.	88	40793	No
149	GOM_TRA_1PNPDE20091218_215357_000000412085_00158_40793_9218.N1	18-DEC-2009 21:53:57	Bright	41.000	28	12Bet Tau	1.6500	15200.	82	40793	No
150	GOM_TRA_1PNPDE20091218_215724_000000642085_00158_40793_9219.N1	18-DEC-2009 21:57:24	Bright	64.000	107	37The Aur	2.6490	11000.	128	40793	No
151	GOM_TRA_1PNPDE20091218_215935_000000432085_00158_40793_9220.N1	18-DEC-2009 21:59:35	Bright	42.500	42	34Bet Aur	1.9000	10200.	85	40793	No
152	GOM_TRA_1PNPDE20091218_221507_000000372085_00158_40793_9221.N1	18-DEC-2009 22:15:07	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	40793	No
153	GOM_TRA_1PNPDE20091218_221936_000000462085_00158_40793_9222.N1	18-DEC-2009 22:19:36	Bright	45.500	32	77Eps UMa	1.7630	11000.	91	40793	No
154	GOM_TRA_1PNPDE20091218_222218_000000442085_00158_40793_9223.N1	18-DEC-2009 22:22:18	Bright	44.000	39	85Eta UMa	1.8540	24000.	88	40793	No
155	GOM_TRA_1PNPDE20091218_222545_000000392085_00158_40793_9224.N1	18-DEC-2009 22:25:45	Bright	38.500	180	27Gam Boo	3.0400	8000.0	77	40793	No
156	GOM_TRA_1PNPDE20091218_222901_000000552085_00158_40793_9225.N1	18-DEC-2009 22:29:01	Bright	55.000	83		2.3780	11000.	110	40793	No
157	GOM_TRA_1PNPDE20091218_223227_000000422085_00158_40793_9226.N1	18-DEC-2009 22:32:27	Bright	42.000	111	8Eta Boo	2.6800	6000.0	84	40793	No
158	GOM_TRA_1PNPDE20091218_224242_000000552085_00158_40793_9219.N1	18-DEC-2009 22:42:42	Twilight	54.500	15	67Alp Vir	0.97600	28000.	109	40793	No
159	GOM_TRA_1PNPDE20091218_224613_000000502085_00158_40793_9220.N1	18-DEC-2009 22:46:13	Dark	49.500	169	46Gam Hya	2.9910	4700.0	99	40793	No
160	GOM_TRA_1PNPDE20091218_224857_000000582085_00158_40793_9221.N1	18-DEC-2009 22:48:57	Dark	57.500	106	9Bet Crv	2.6480	5600.0	115	40793	No
161	GOM_TRA_1PNPDE20091218_225327_000000402085_00158_40793_9222.N1	18-DEC-2009 22:53:27	Dark	39.500	64	Gam Cen	2.2000	10600.	79	40793	No
162	GOM_TRA_1PNPDE20091218_225507_000000422085_00159_40794_9223.N1	18-DEC-2009 22:55:07	Dark	41.500	99	Del Cen	2.5750	26000.	83	40794	No
163	GOM_TRA_1PNPDE20091218_225906_000000462085_00159_40794_9224.N1	18-DEC-2009 22:59:06	Dark	45.500	113	Mu Vel	2.6920	5000.0	91	40794	No
164	GOM_TRA_1PNPDE20091218_230242_000000412085_00159_40794_9225.N1	18-DEC-2009 23:02:42	Dark	40.500	71	lot Car	2.2460	7700.0	81	40794	No
165	GOM_TRA_1PNPDE20091218_230725_000000472085_00159_40794_9226.N1	18-DEC-2009 23:07:25	Dark	47.000	34	Gam2Vel	1.7930	23000.	94	40794	No
166	GOM_TRA_1PNPDE20091218_230934_000000512085_00159_40794_9227.N1	18-DEC-2009 23:09:34	Dark	50.500	70	Zet Pup	2.2460	39000.	101	40794	No
167	GOM_TRA_1PNPDE20091218_231210_000000502085_00159_40794_9228.N1	18-DEC-2009 23:12:10	Dark	50.000	117	Pi Pup	2.7060	3800.0	100	40794	No
168	GOM_TRA_1PNPDE20091218_231519_000000522085_00159_40794_9229.N1	18-DEC-2009 23:15:19	Straylight	51.500	23	21Eps CMa	1.5020	26000.	103	40794	No
169	GOM_TRA_1PNPDE20091218_231704_000000512085_00159_40794_9230.N1	18-DEC-2009 23:17:04	Straylight	51.000	179	24Omi2CMa	3.0320	24000.	102	40794	No
170	GOM_TRA_1PNPDE20091218_231958_000000592085_00159_40794_9231.N1	18-DEC-2009 23:19:58	Straylight	58.500	1	9Alp CMa	-1.4400	11000.	117	40794	No
171	GOM_TRA_1PNPDE20091218_232311_000000462085_00159_40794_9232.N1	18-DEC-2009 23:23:11	Straylight	46.000	7	19Bet Ori	0.10000	14000.	92	40794	No
172	GOM_TRA_1PNPDE20091218_232521_000000452085_00159_40794_9233.N1	18-DEC-2009 23:25:21	Straylight	45.000	30	46Eps Ori	1.6940	30000.	90	40794	No
173	GOM_TRA_1PNPDE20091218_232821_000000632085_00159_40794_9234.N1	18-DEC-2009 23:28:21	Twilight	63.000	14	58Alp Ori	0.87000	3000.0	126	40794	No
174	GOM_TRA_1PNPDE20091218_233027_000000462085_00159_40794_9235.N1	18-DEC-2009 23:30:27	Twilight	45.500	13	87Alp Tau	0.86700	3800.0	91	40794	No
175	GOM_TRA_1PNPDE20091218_233228_000000432085_00159_40794_9236.N1	18-DEC-2009 23:32:28	Bright	43.000	176	23Zet Tau	3.0200	22000.	86	40794	No
176	GOM_TRA_1PNPDE20091218_233432_000000412085_00159_40794_9237.N1	18-DEC-2009 23:34:32	Bright	40.500	28	12Bet Tau	1.6500	15200.	81	40794	No
177	GOM_TRA_1PNPDE20091218_233759_000000432085_00159_40794_9238.N1	18-DEC-2009 23:37:59	Bright	42.500	107	37The Aur	2.6490	11000.	85	40794	No
178	GOM_TRA_1PNPDE20091218_233927_000000422085_00159_40794_9239.N1	18-DEC-2009 23:39:27	Bright	41.500	6	13Alp Aur	0.080000	3400.0	83	40794	No
179	GOM_TRA_1PNPDE20091218_235543_000000352085_00159_40794_9240.N1	18-DEC-2009 23:55:43	Bright	34.500	60	7Bet UMi	2.0810	3950.0	69	40794	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).

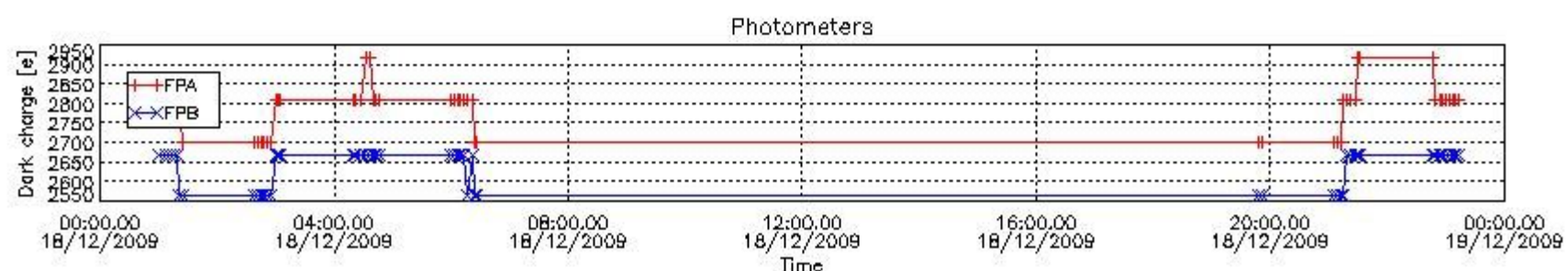
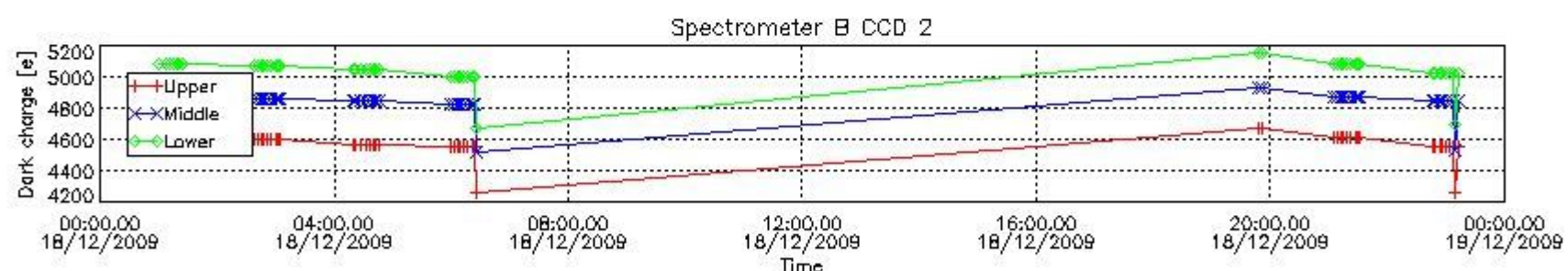
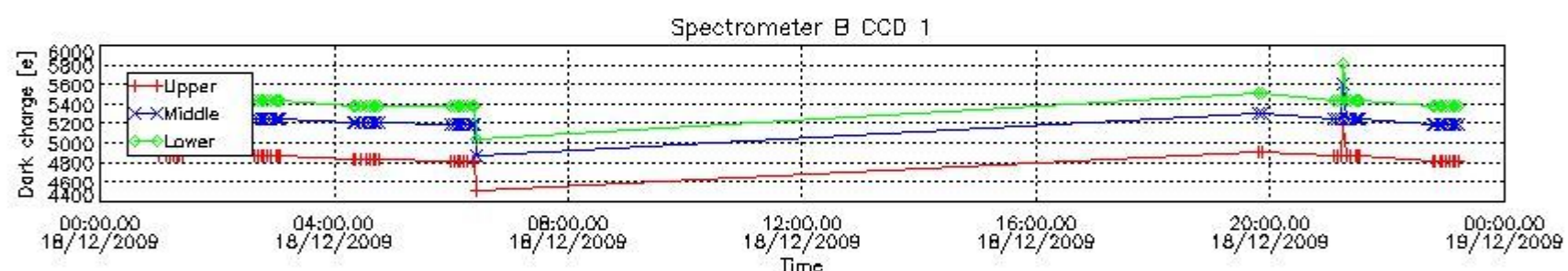
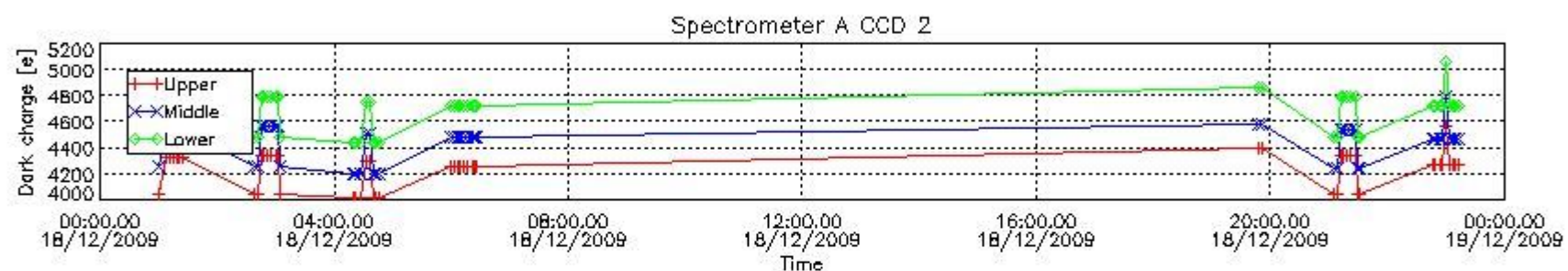
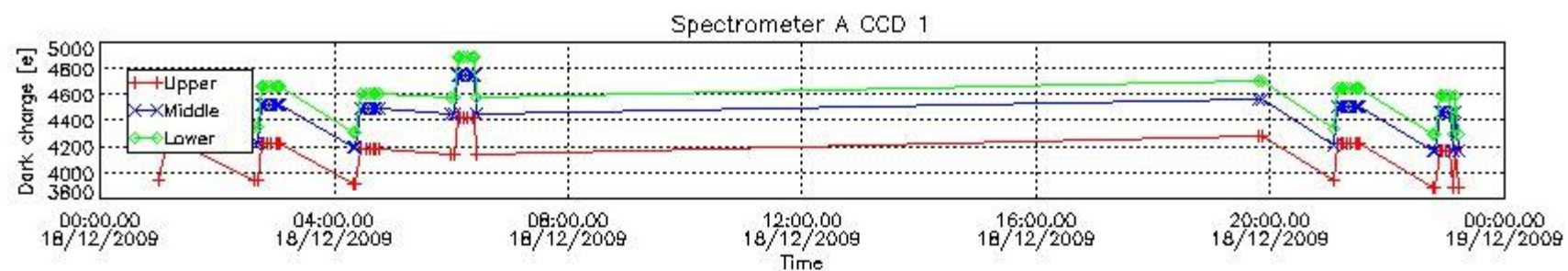
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20091218_194821_000000512085_00157_40792_9184.N1	DC map used
GOM_TRA_1PNPDE20091218_195057_000000522085_00157_40792_9185.N1	DC map used
GOM_TRA_1PNPDE20091218_195407_000000512085_00157_40792_9186.N1	DC map used
GOM_TRA_1PNPDE20091218_195552_000000522085_00157_40792_9187.N1	DC map used
GOM_TRA_1PNPDE20091218_195846_000000562085_00157_40792_9188.N1	DC map used
GOM_TRA_1PNPDE20091218_200159_000000472085_00157_40792_9189.N1	DC map used
GOM_TRA_1PNPDE20091218_200409_000000482085_00157_40792_9190.N1	DC map used
GOM_TRA_1PNPDE20091218_200710_000000622085_00157_40792_9191.N1	DC map used
GOM_TRA_1PNPDE20091218_200916_000000472085_00157_40792_9192.N1	DC map used
GOM_TRA_1PNPDE20091218_201117_000000432085_00157_40792_9193.N1	DC map used
GOM_TRA_1PNPDE20091218_201321_000000432085_00157_40792_9194.N1	DC map used
GOM_TRA_1PNPDE20091218_201649_000000442085_00157_40792_9195.N1	DC map used
GOM_TRA_1PNPDE20091218_201900_000000442085_00157_40792_9196.N1	DC map used
GOM_TRA_1PNPDE20091218_203431_000000402085_00157_40792_9197.N1	DC map used

GOM_TRA_1PNPDE20091218_203900_000000472085_00157_40792_9198.N1	DC map used
GOM_TRA_1PNPDE20091218_204142_000000382085_00157_40792_9199.N1	DC map used
GOM_TRA_1PNPDE20091218_204509_000000372085_00157_40792_9200.N1	DC map used
GOM_TRA_1PNPDE20091218_204825_000000372085_00157_40792_9201.N1	DC map used
GOM_TRA_1PNPDE20091218_205151_000000622085_00157_40792_9202.N1	DC map used

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

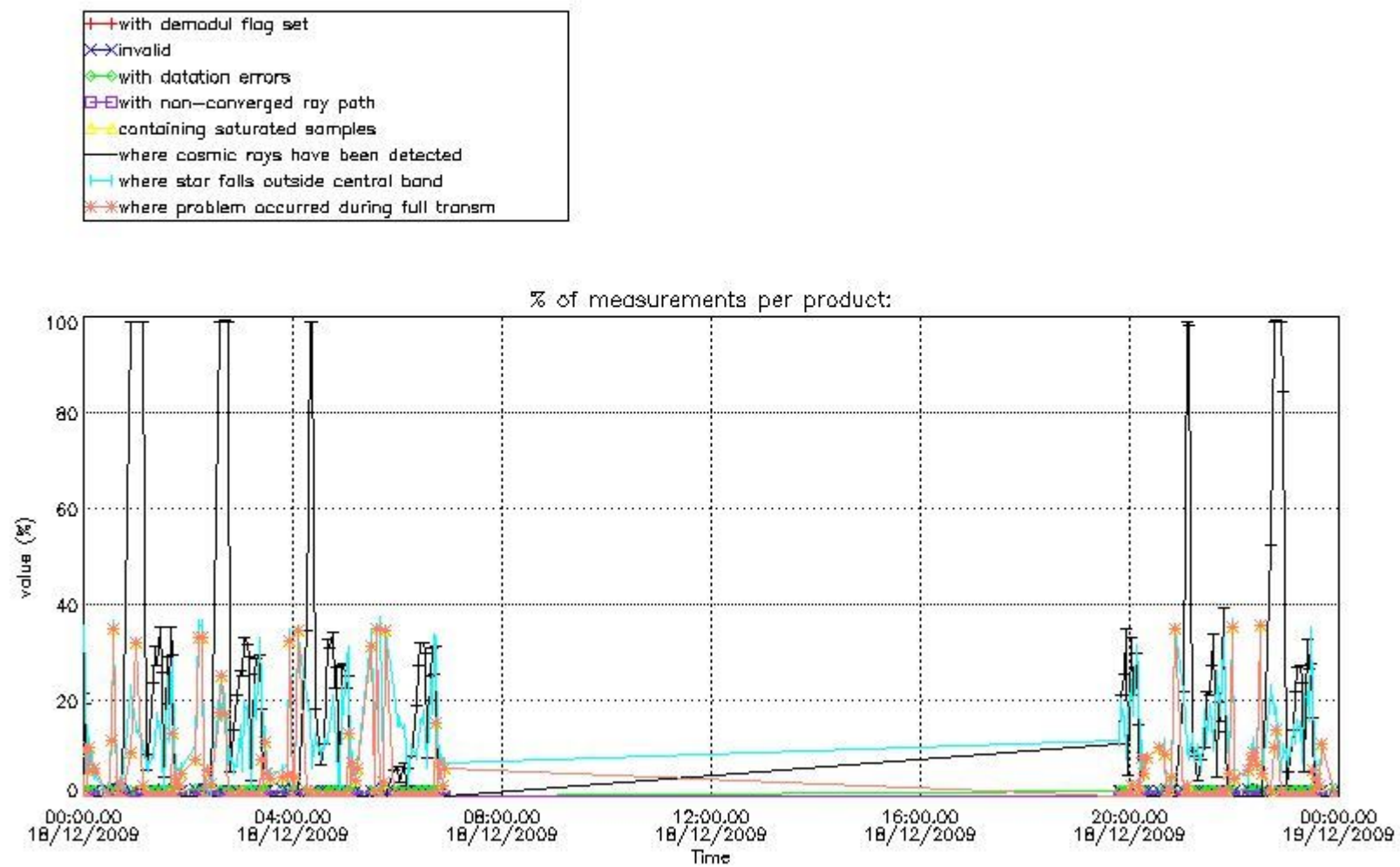


In this section it is presented the modulation information extracted from the pcd (product confidence data) at measurement level and information extracted from the Quality Summary dataset. Only products without errors (error flag in the MPH set to "0") are used.

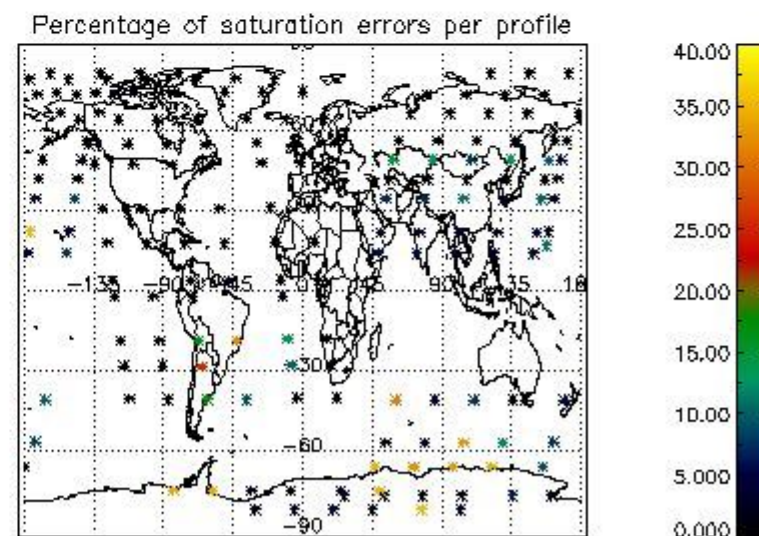
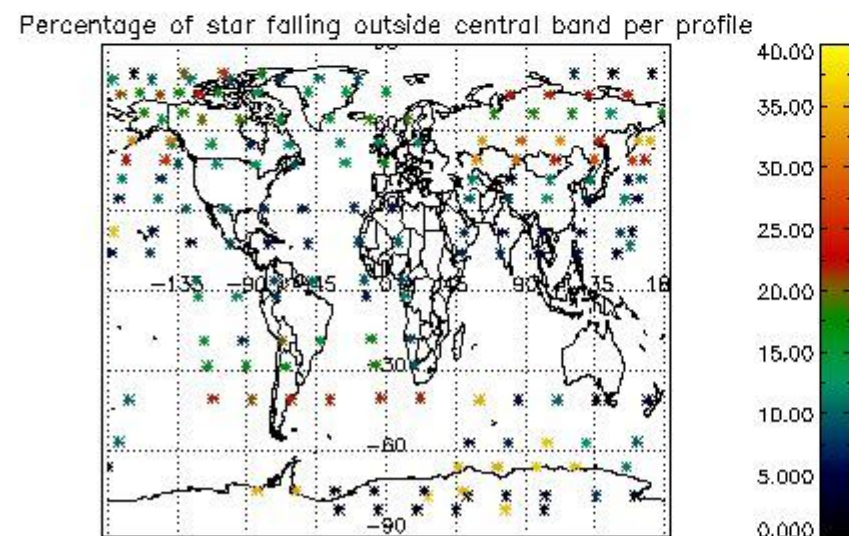
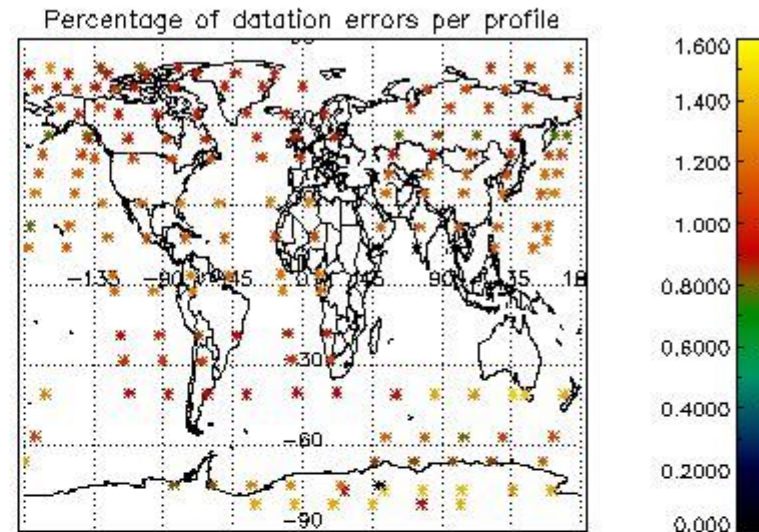
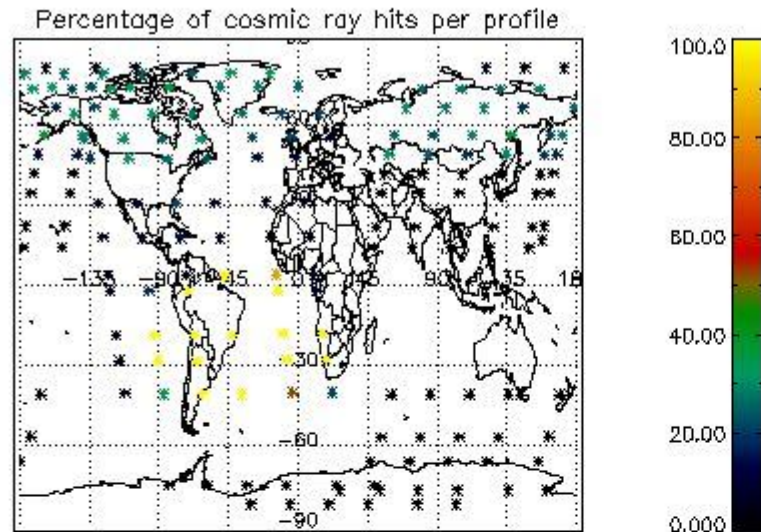
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	48.6034 %
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)



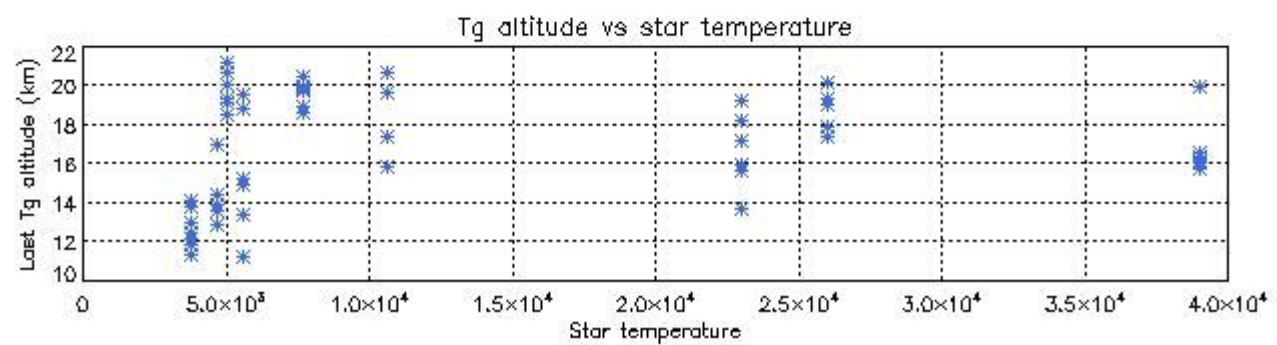
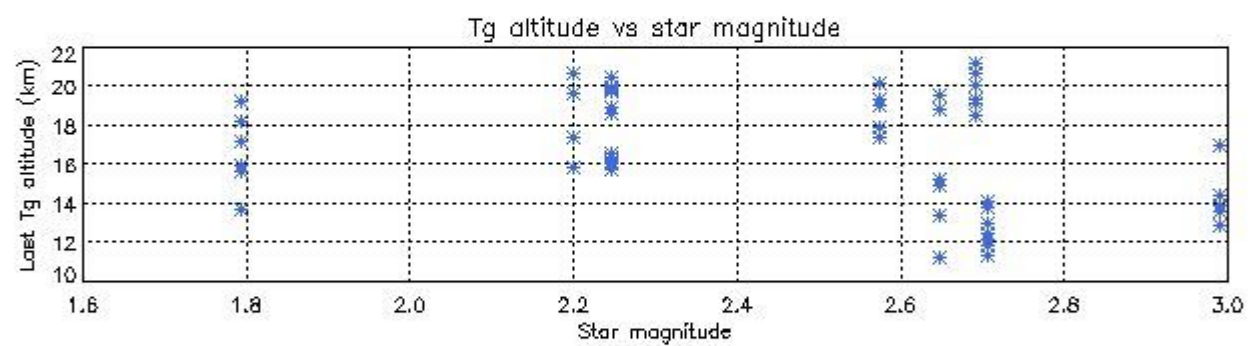
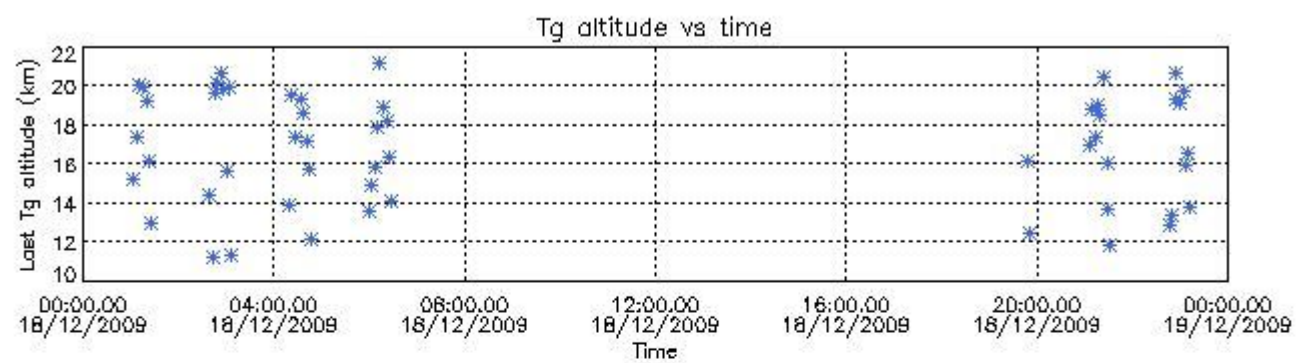
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	16.816	17.794	NaN
St. deviation:	2.8311	6.9456	NaN
Maximum:	21.144	29.170	NaN
Minimum:	11.215	3.4779	NaN
Number of data:	53.000	69.000	NaN

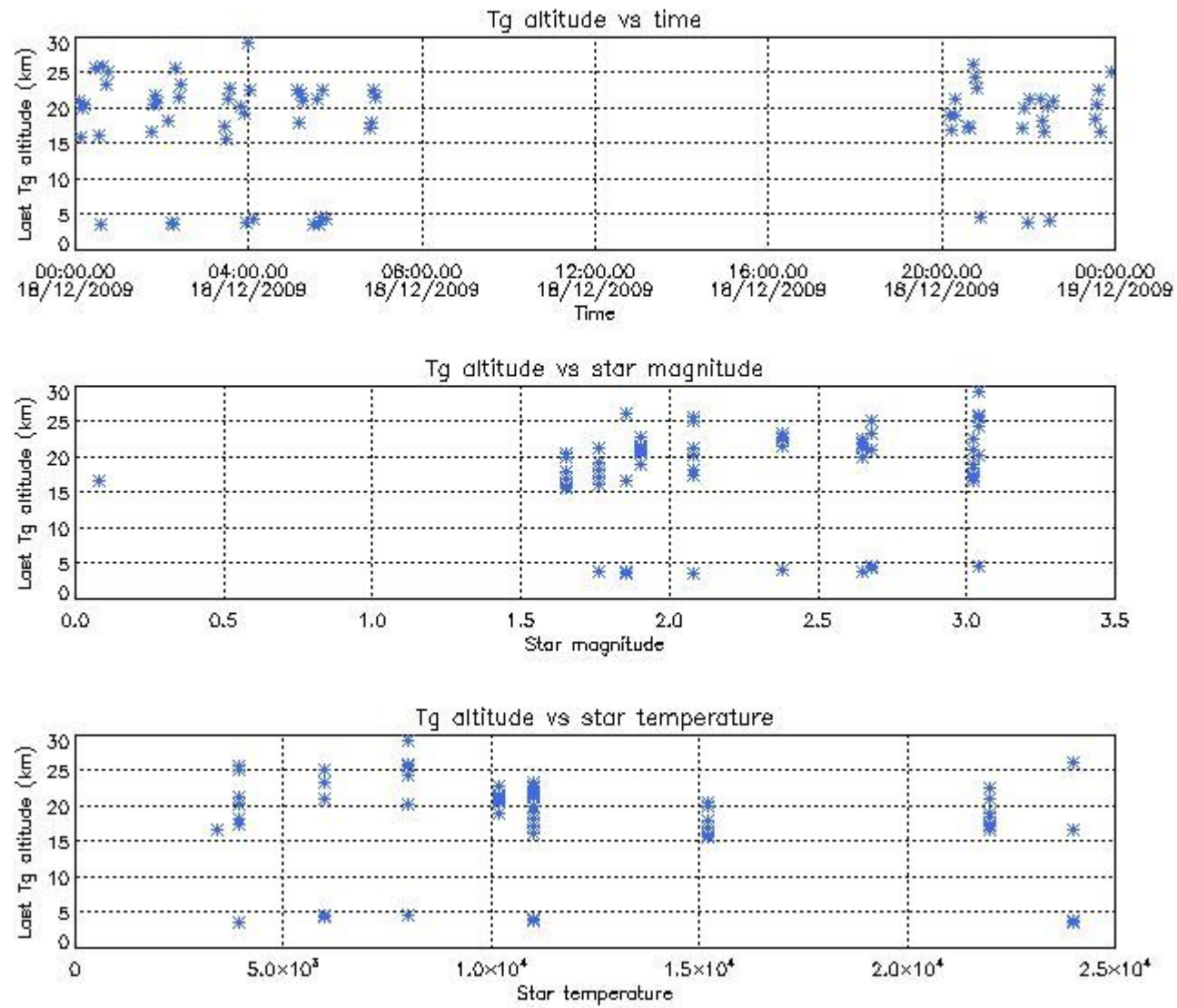
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

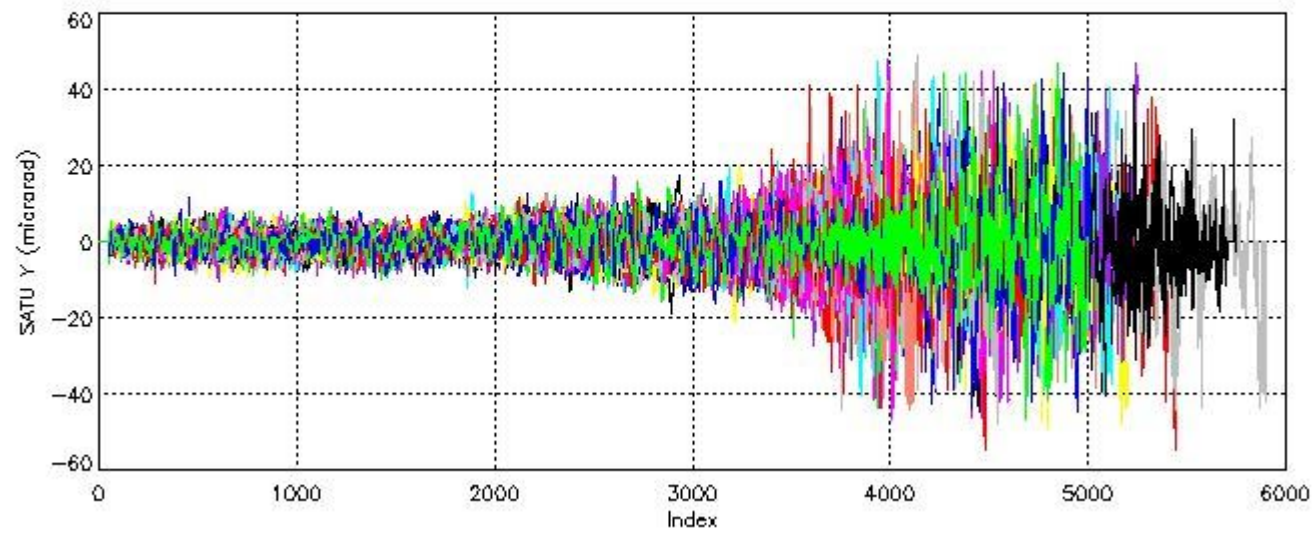
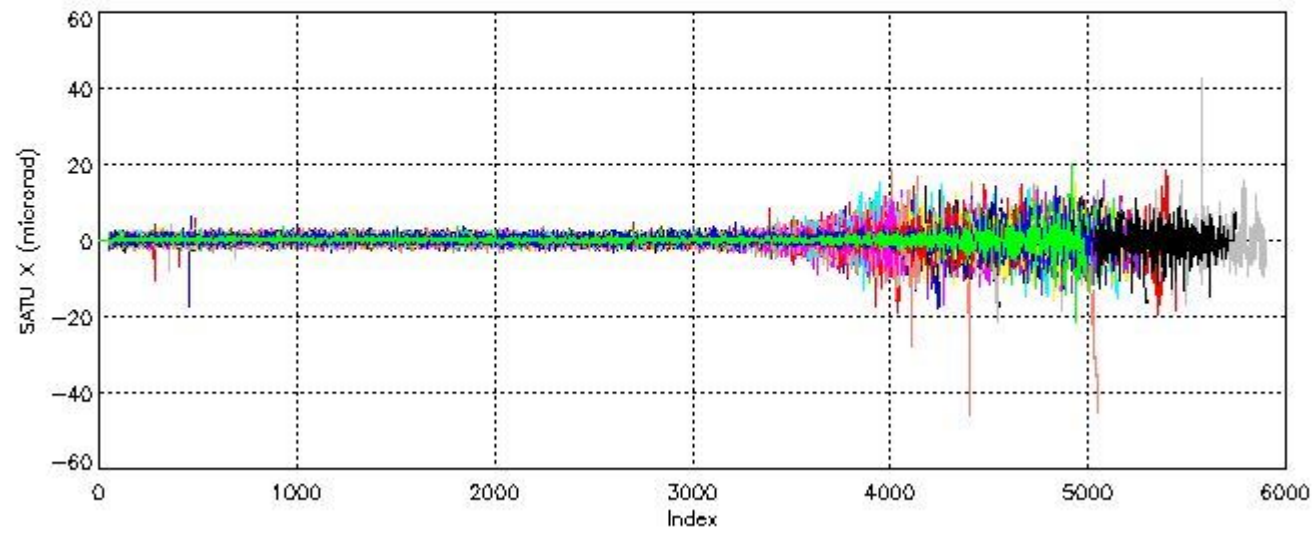


7. Star Acquisition and Tracking Unit (SATU)

The Star Acquisition and Tracking Unit (SATU) analyses the position of the tracked star beam collected by the GOMOS telescope and deflected by the optical beam dispatcher. The main function of the SATU is to detect a star, provide its image position to the science data electronics and to help the pointing function to keep the star image at a fixed position. In tracking mode the SATU data is recorded with a frequency of 100 Hz.

7.1 SATU 'X' and 'Y' axis plots (dark limb)

SATU CCD 'X' and 'Y' axis plots are provided in order to detect any abnormal behaviour of the tracking system. For every occultation (color) the plot should remain stable (with some noise) until we are deep in the atmosphere where big fluctuations are registered due to the refractive effects.



7.2 Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere.

Statistics (in microradians) above 105 km are computed for every occultation, giving four values per occultation: one in the 'X' direction and one in the 'Y' direction for dark and bright limbs. A mean value per day in every direction and limb is calculated and monitored in order to assess instrument performance in terms of star pointing.

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.22958	-0.19028	0.17374	-0.24251
St. deviation:	0.63709	2.0527	0.85208	2.4113
Maximum:	6.3000	11.600	5.6000	12.100
Minimum:	-17.300	-11.300	-6.6000	-13.500

Number of data:	55250.	55250.	66950.	66950.
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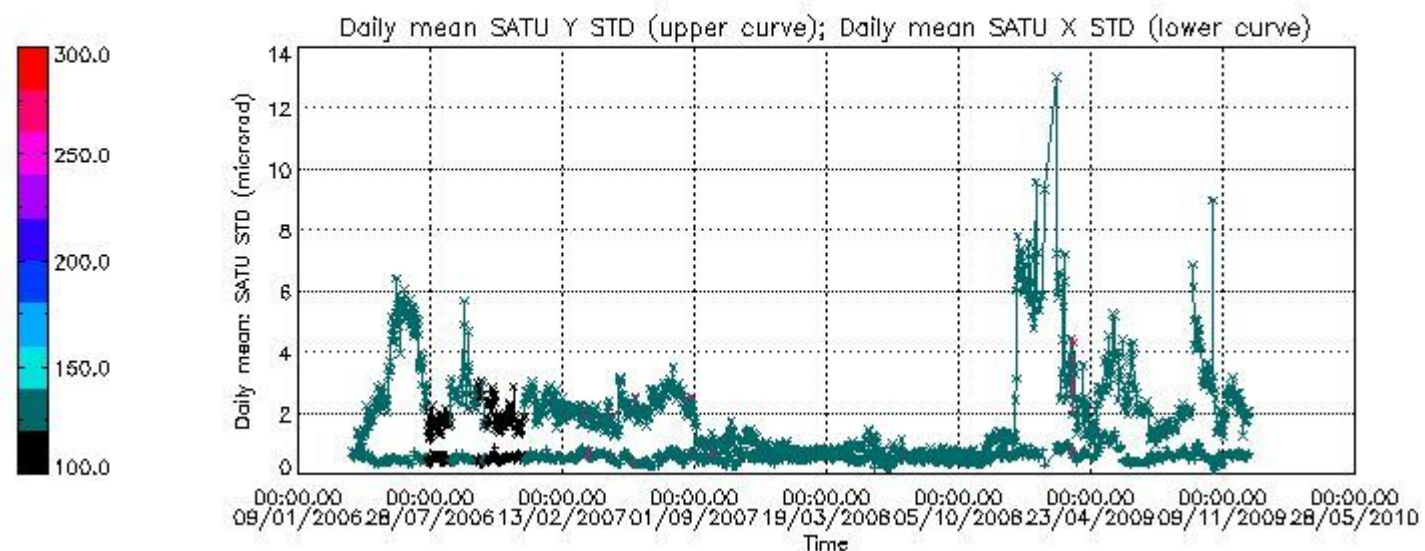
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

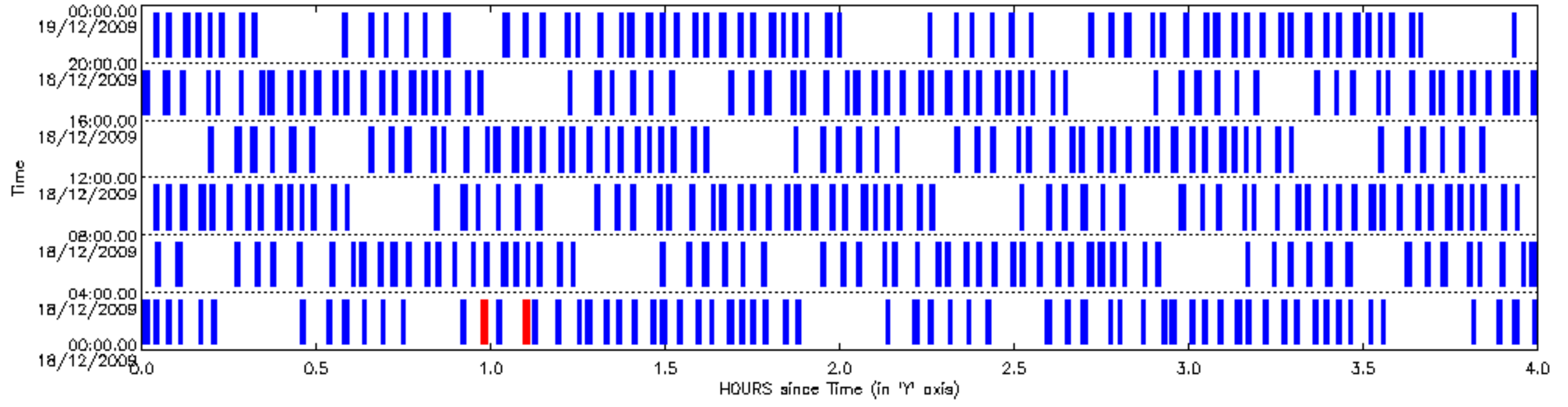
Lower curve: STD of SATU X axis

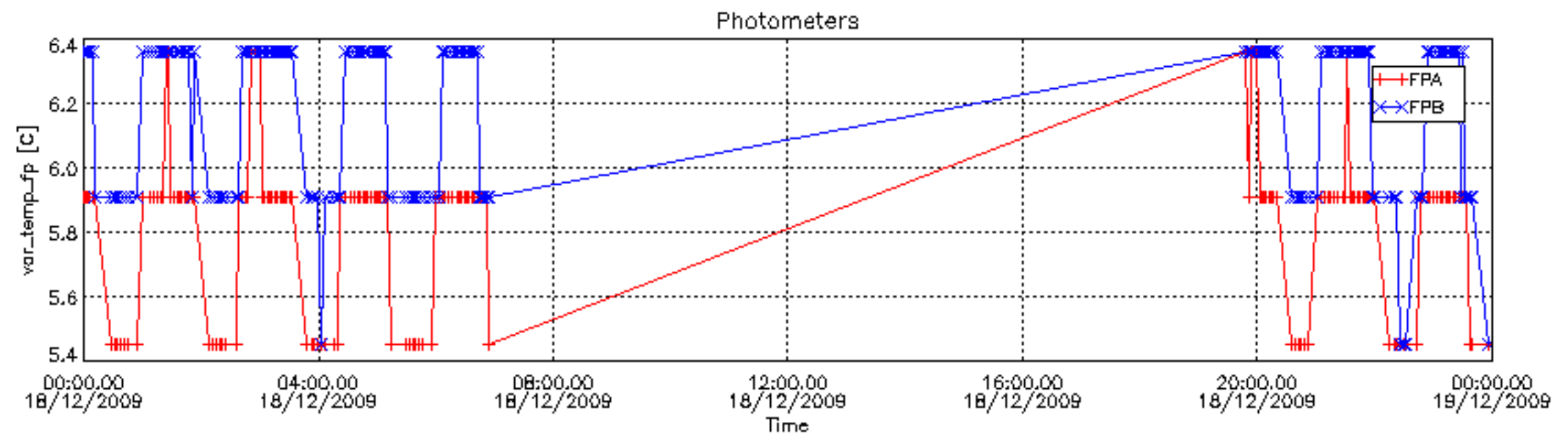
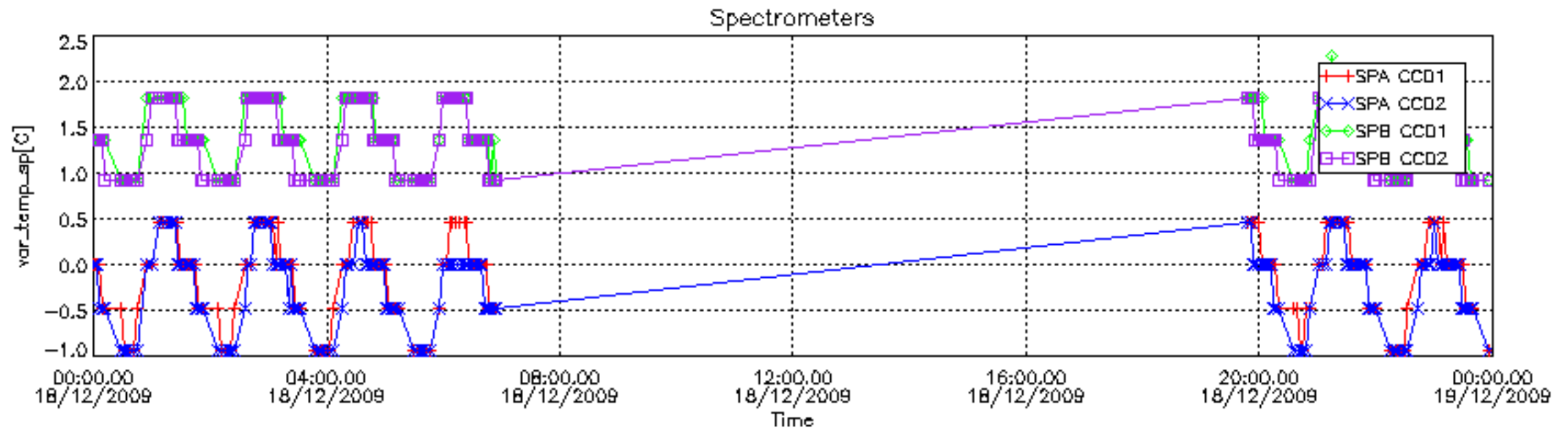


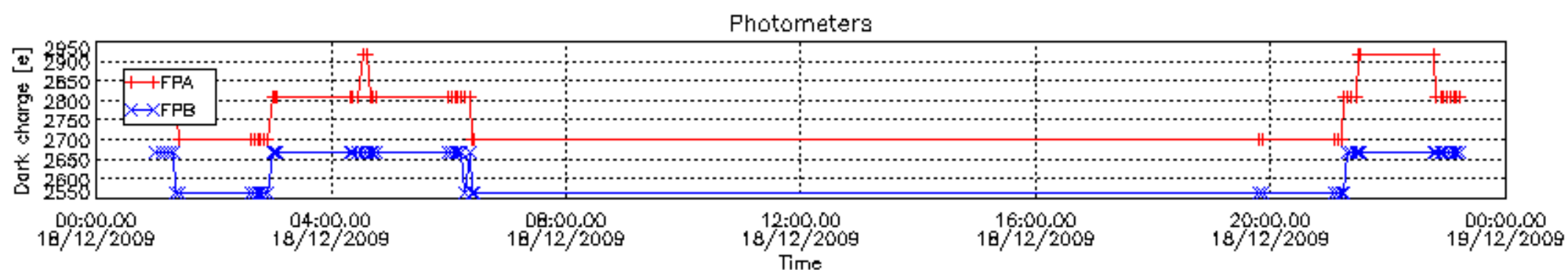
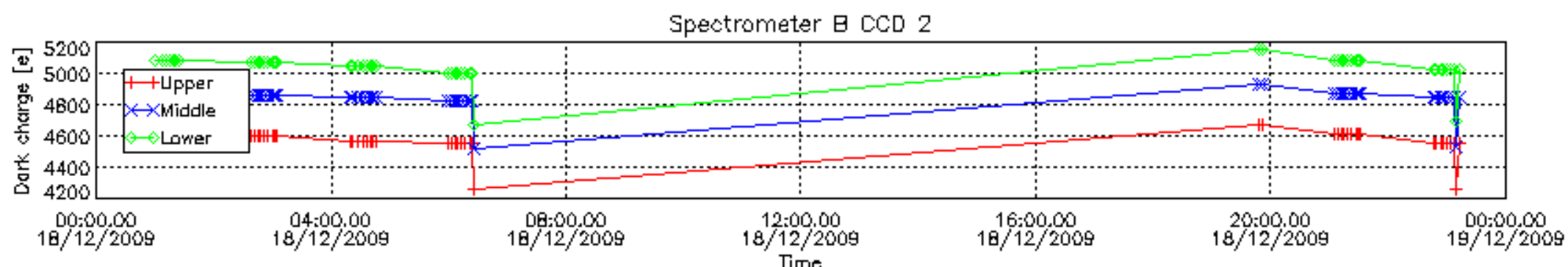
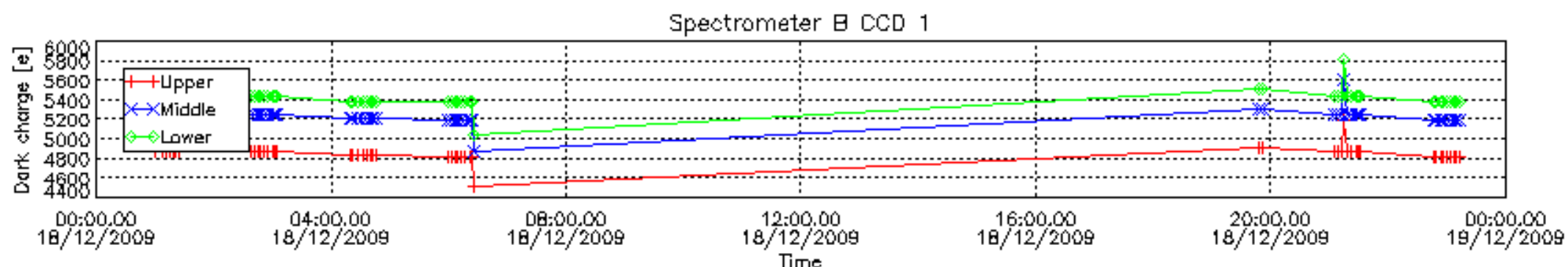
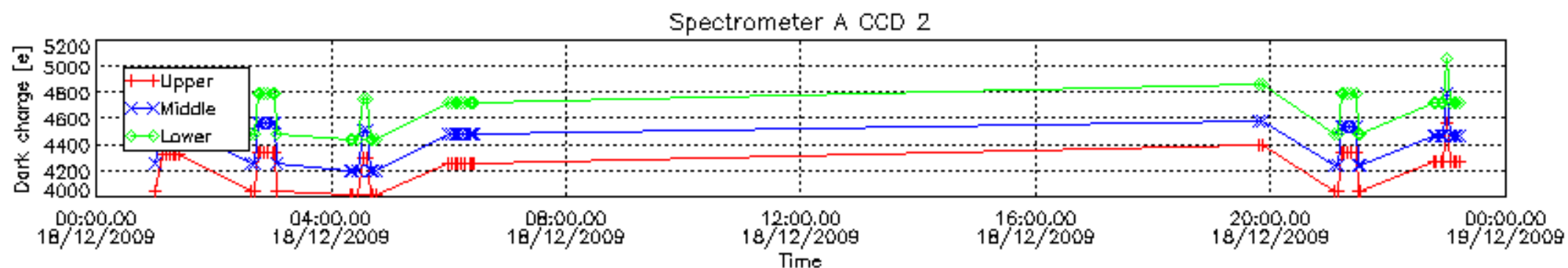
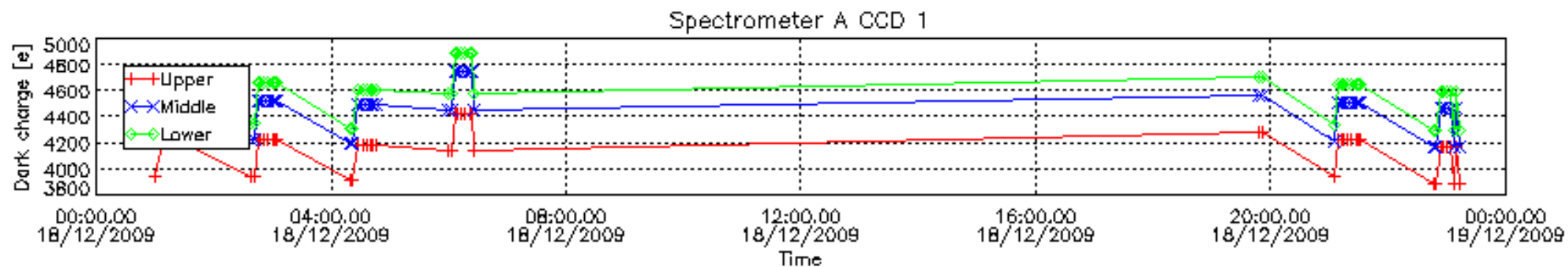
8. Auxiliary Data Files used for the production reported in section 2.4

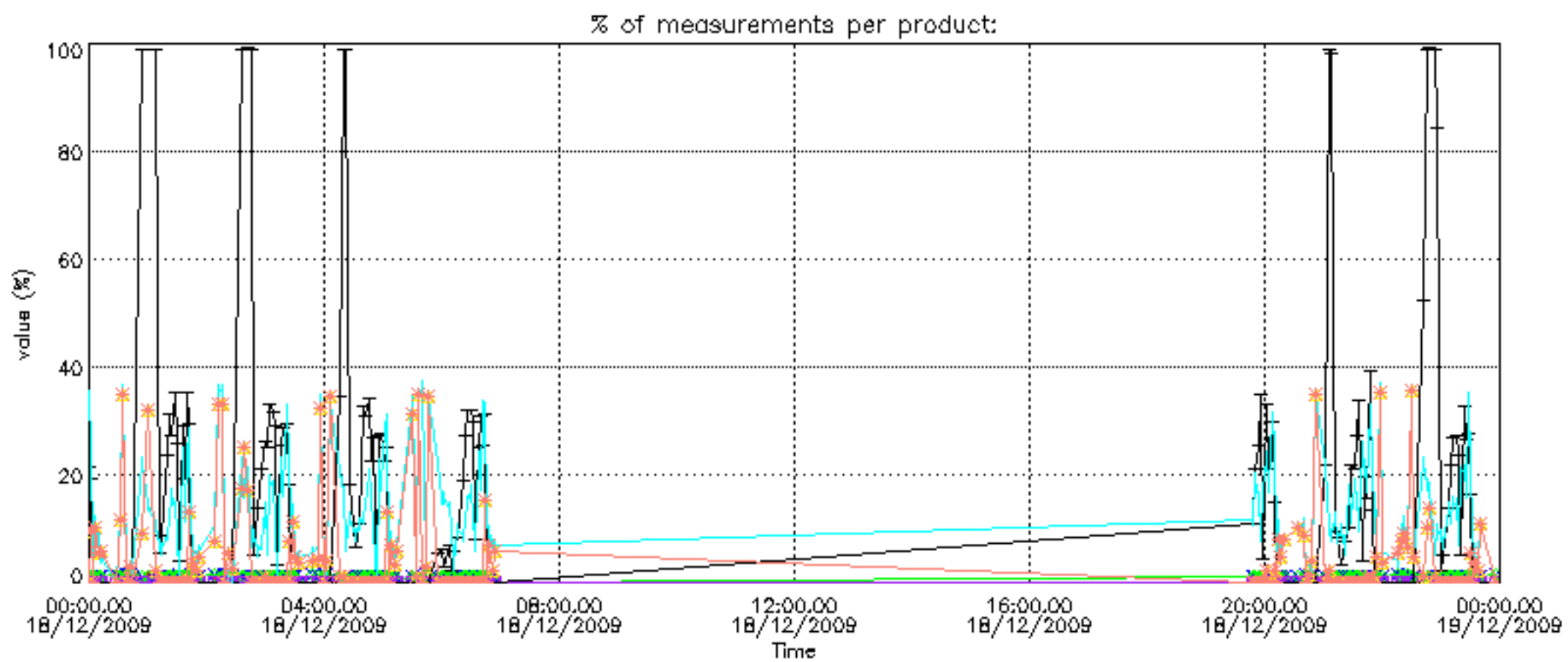
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	18-DEC-2009 00:00:02
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20091214_085046_20091212_000000_20500101_000000	1	18-DEC-2009 00:00:02
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	18-DEC-2009 00:00:02
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	18-DEC-2009 00:00:02
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	18-DEC-2009 00:00:02
ECMWF_FILE	AUX_ECF_AXNECM20091217_062111_20091217_210000_20091218_090000	1	18-DEC-2009 00:00:02
ECMWF_FILE	AUX_ECF_AXNECM20091217_182111_20091218_030000_20091218_150000	59	18-DEC-2009 03:48:32
ECMWF_FILE	AUX_ECA_AXNECM20091218_062110_20091217_210000_20091218_090000	85	18-DEC-2009 05:29:08
ECMWF_FILE	AUX_ECA_AXNECM20091218_180112_20091218_090000_20091218_210000	112	18-DEC-2009 19:48:21
ECMWF_FILE	AUX_ECF_AXNECM20091218_062112_20091218_210000_20091219_090000	131	18-DEC-2009 21:02:05
OPTIONAL_ECMWF_FILE	MISSING	1	18-DEC-2009 00:00:02
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091217_231033_000057382085_00144_40779_9379.N1	1	18-DEC-2009 00:00:02
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091218_005130_000044632085_00145_40780_9380.N1	13	18-DEC-2009 00:54:44
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091218_021112_000051012085_00146_40781_9381.N1	34	18-DEC-2009 02:15:08
ORBIT_DATA_FILE	AUX_FPO_AXVPDS20091218_010110_20091217_182348_20091227_213039	59	18-DEC-2009 03:48:32
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091218_052747_000054192085_00148_40783_9383.N1	85	18-DEC-2009 05:29:08
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091218_194312_000038252085_00157_40792_9384.N1	112	18-DEC-2009 19:48:21
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091218_205217_000060572085_00157_40792_9385.N1	131	18-DEC-2009 21:02:05
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091218_223832_000057382085_00158_40793_9386.N1	158	18-DEC-2009 22:42:42

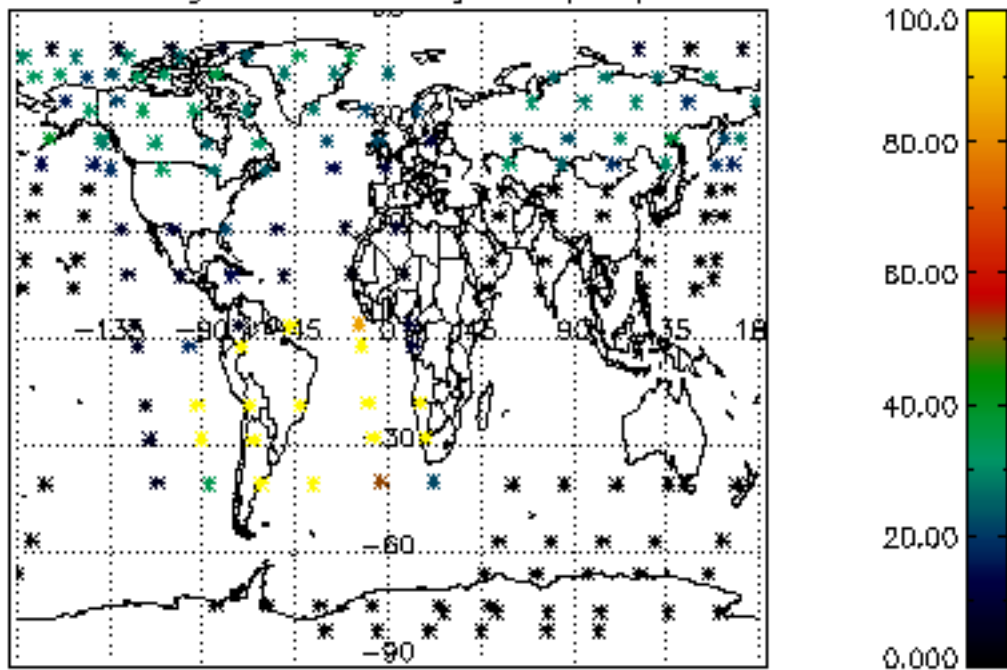




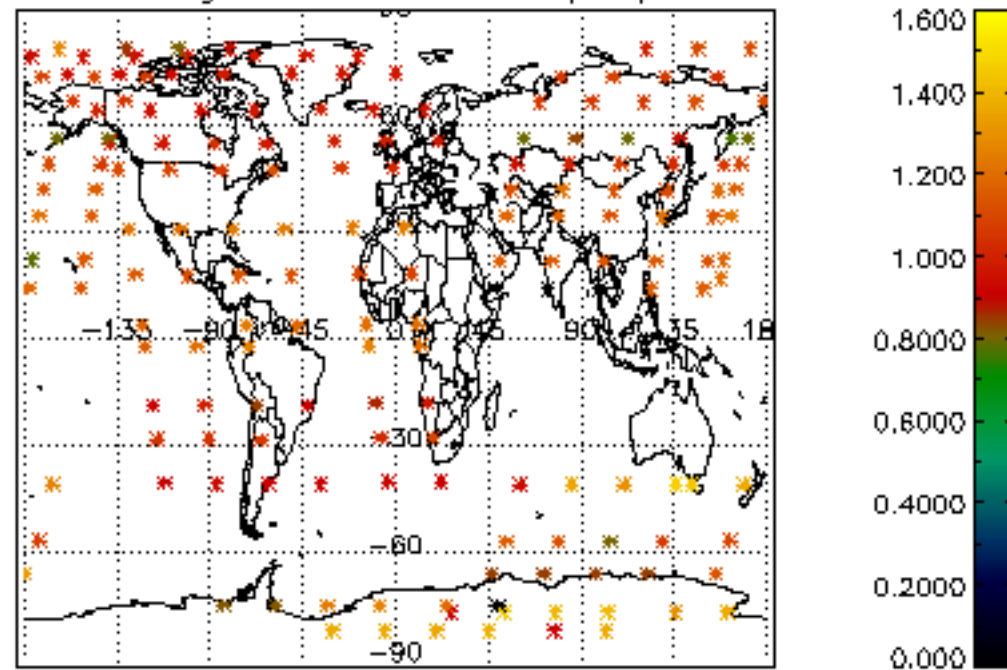




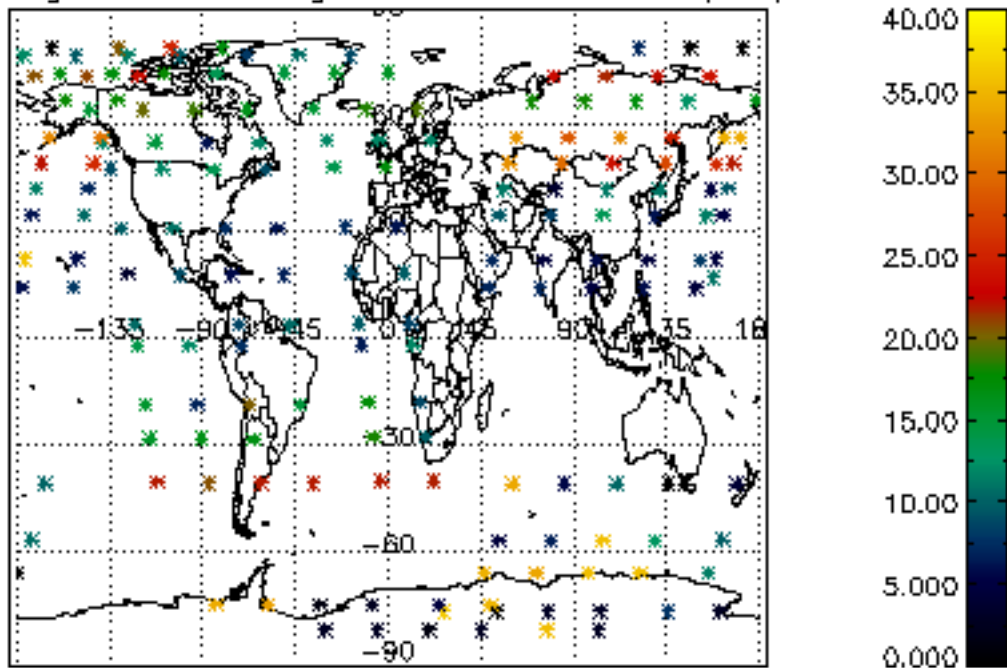
Percentage of cosmic ray hits per profile



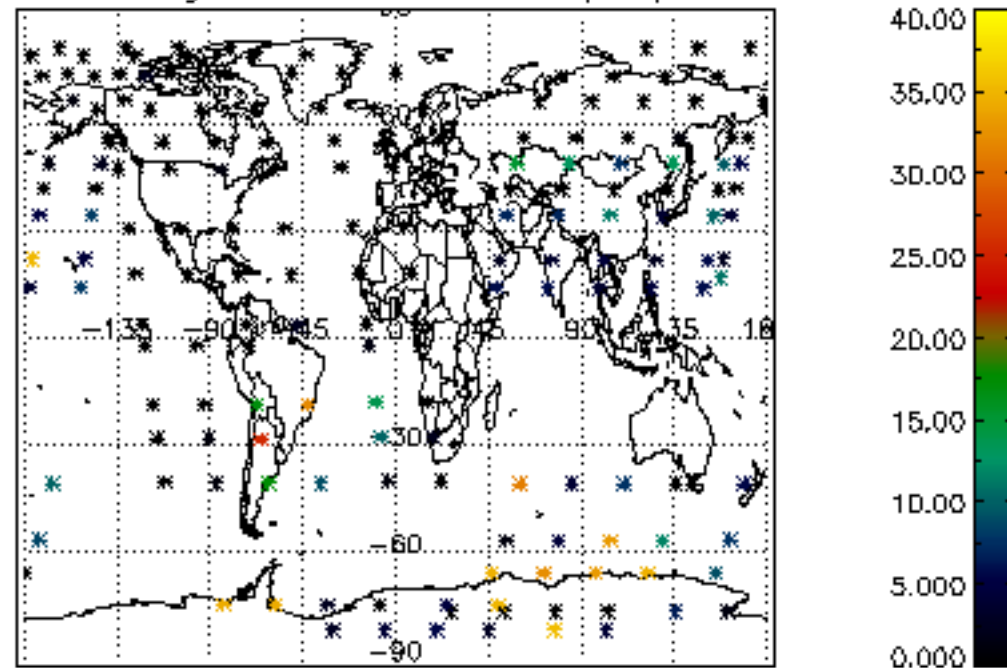
Percentage of datation errors per profile



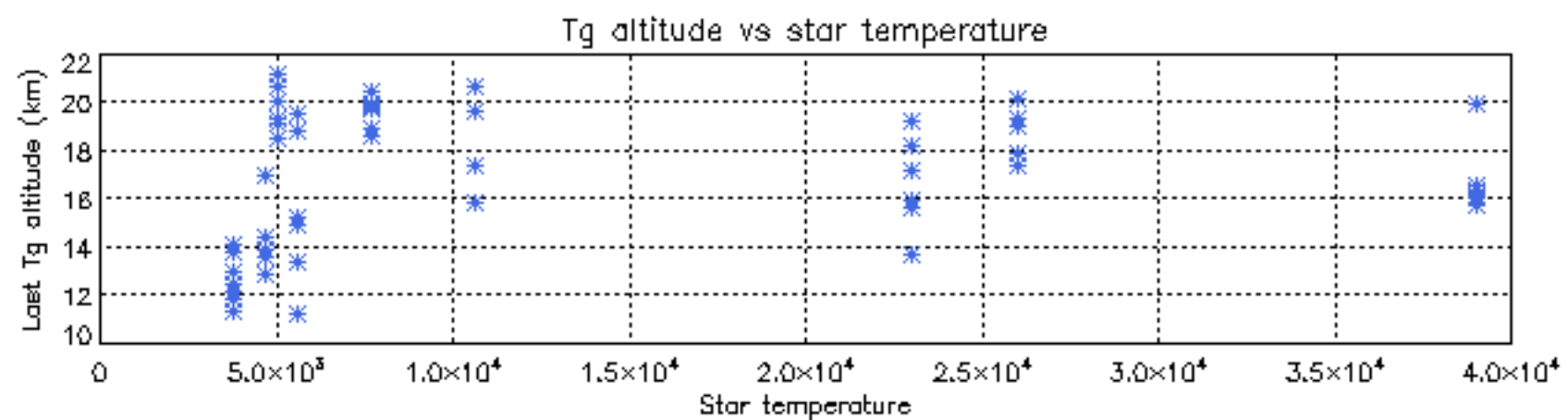
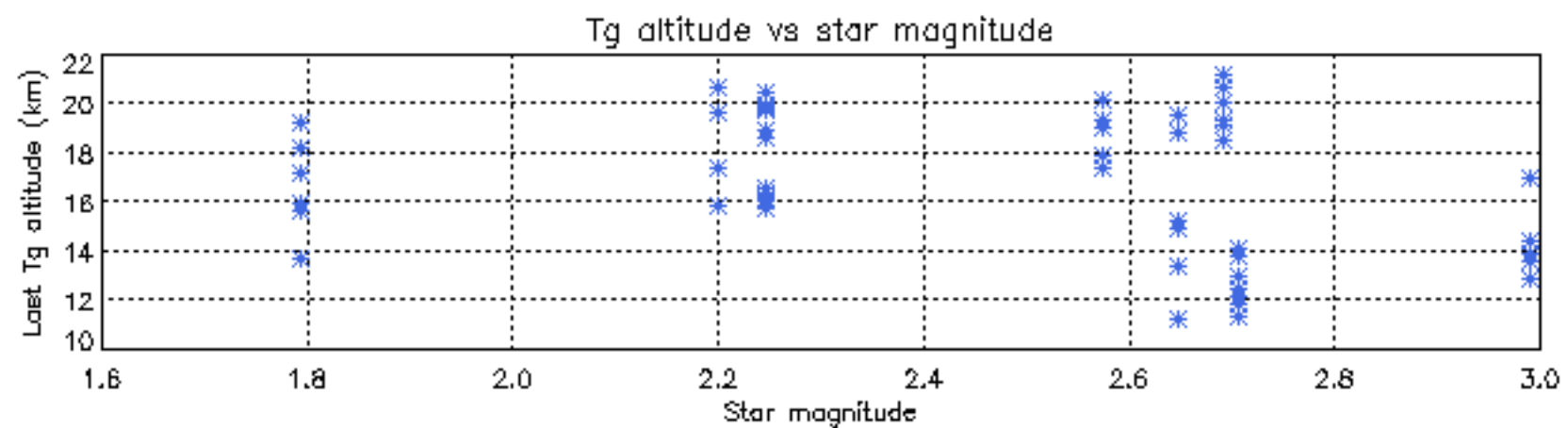
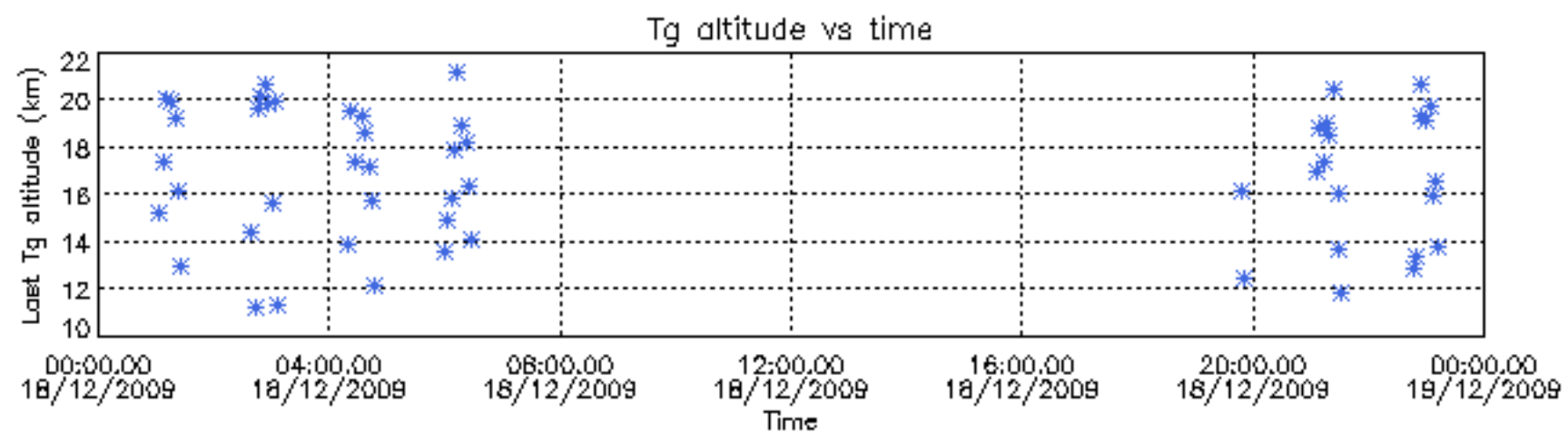
Percentage of star falling outside central band per profile



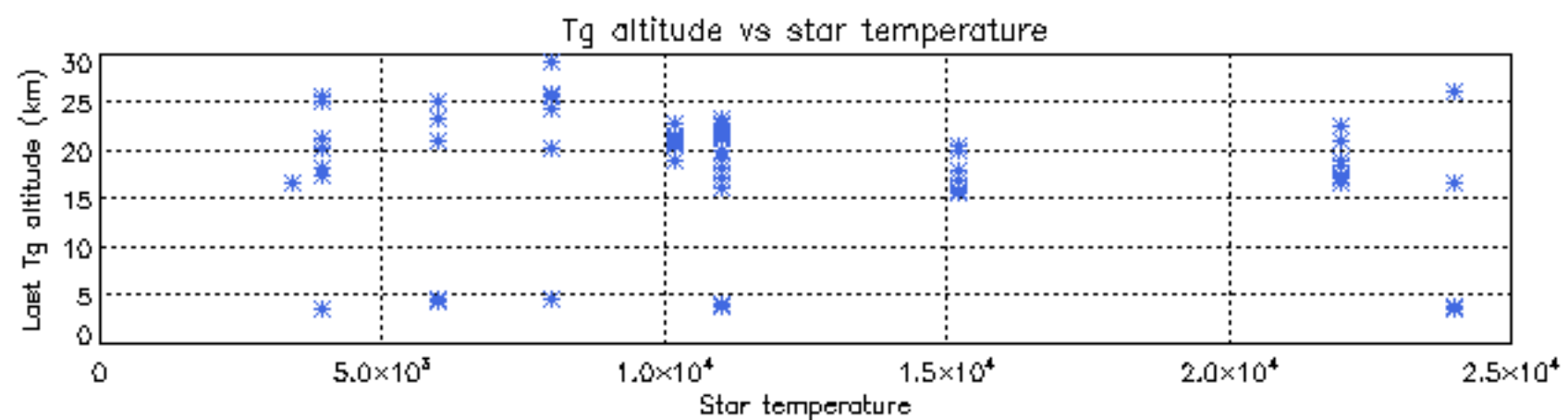
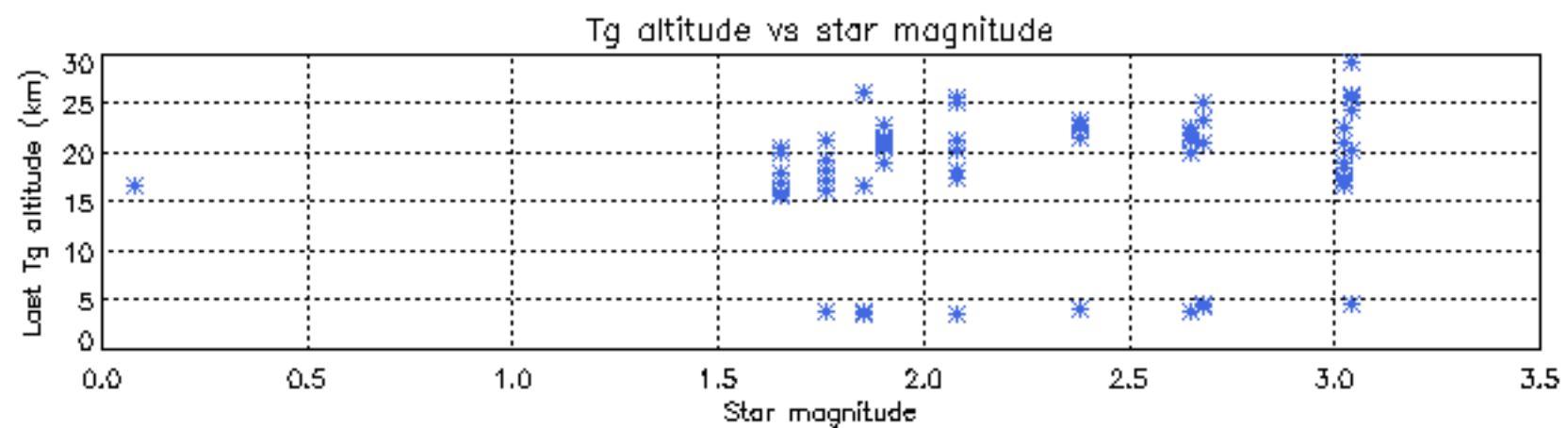
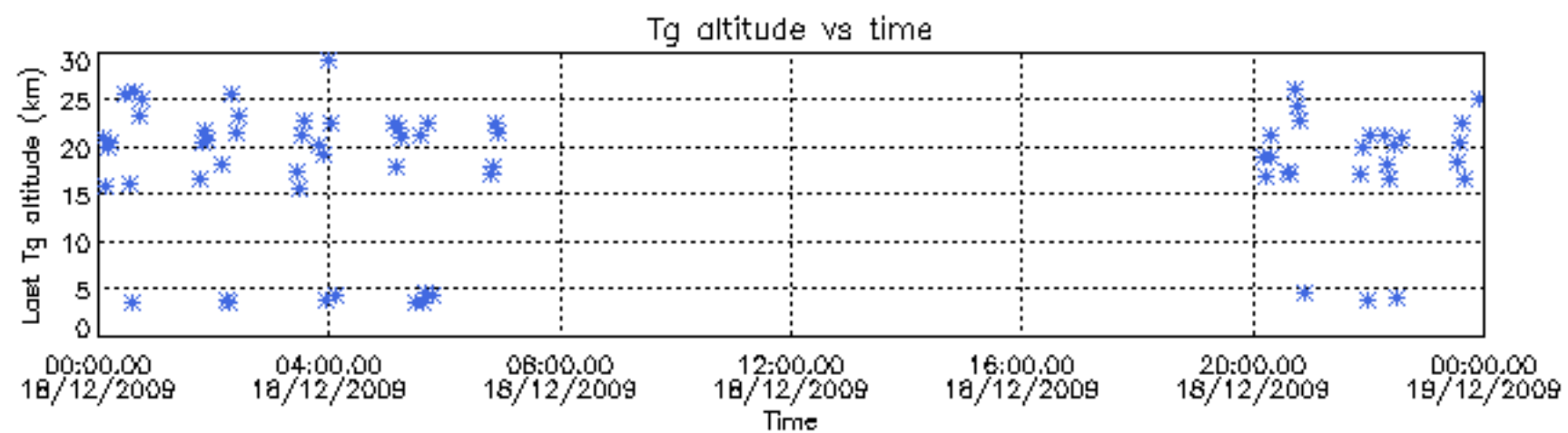
Percentage of saturation errors per profile

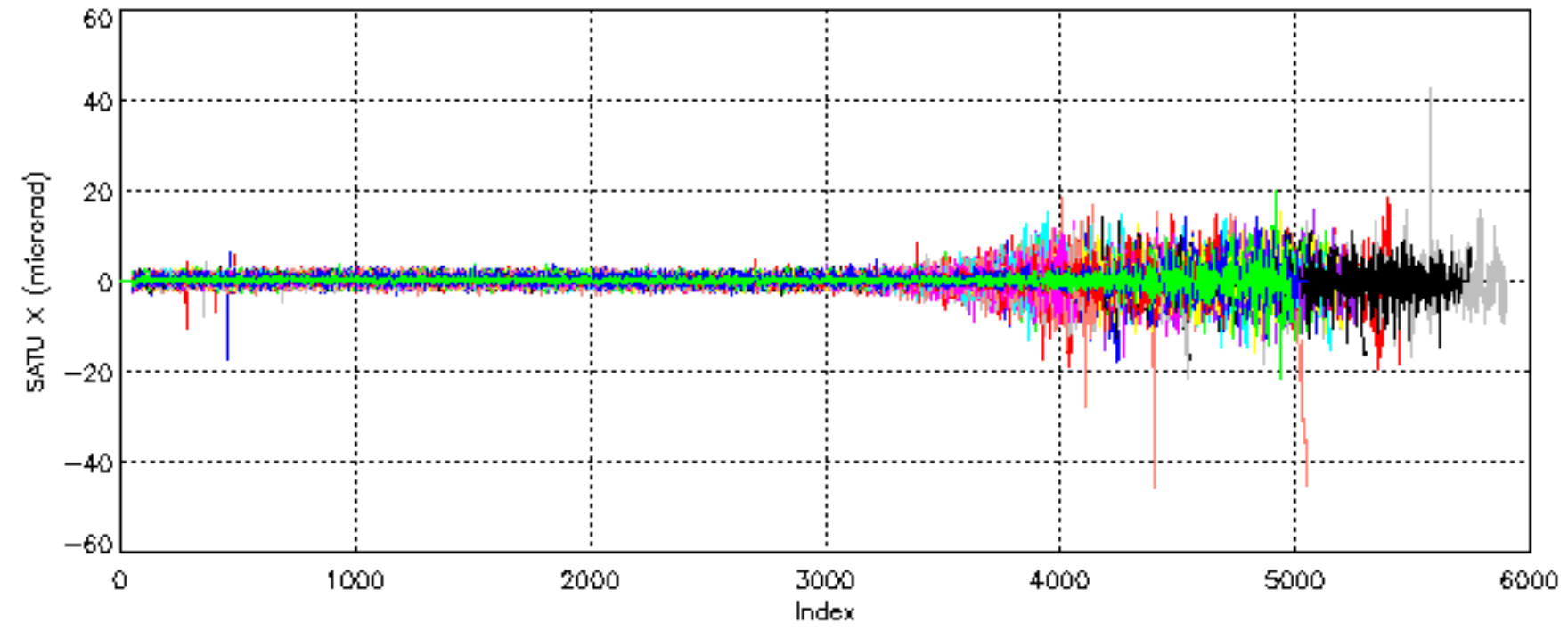


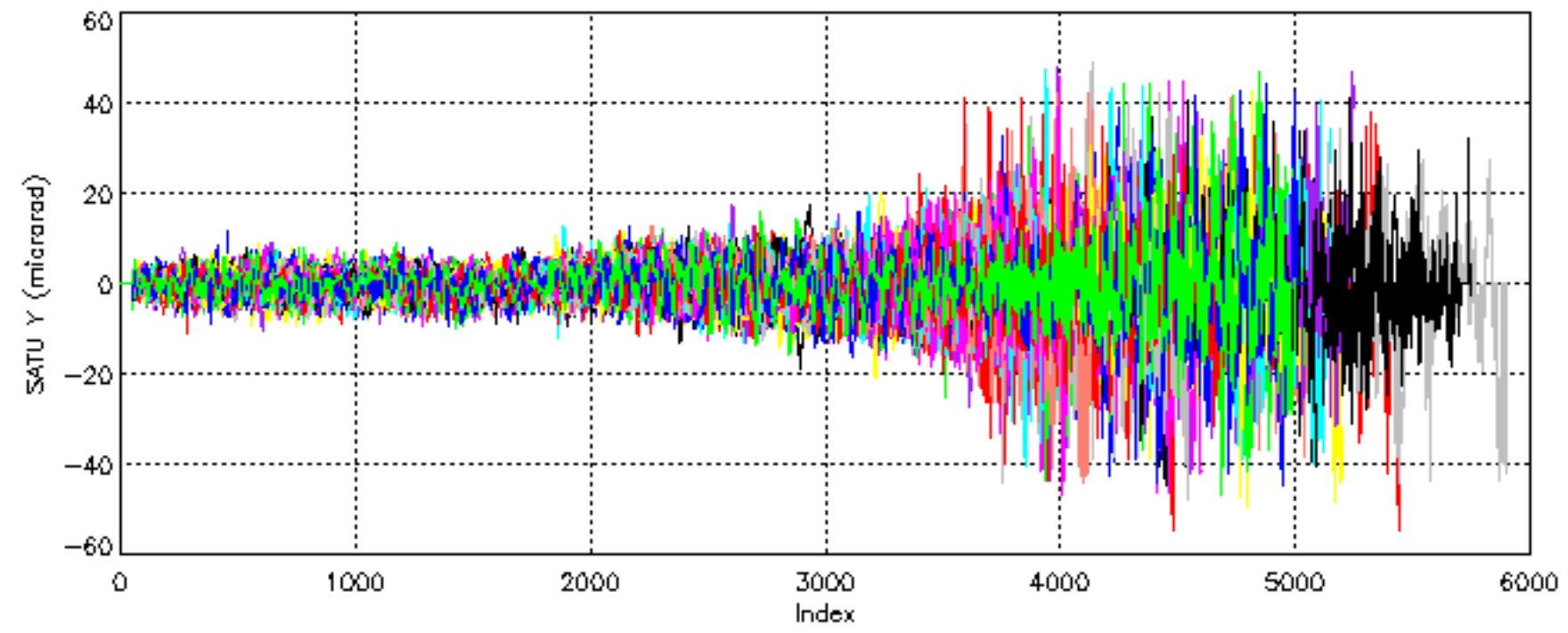
Tangent altitude at which the star is lost

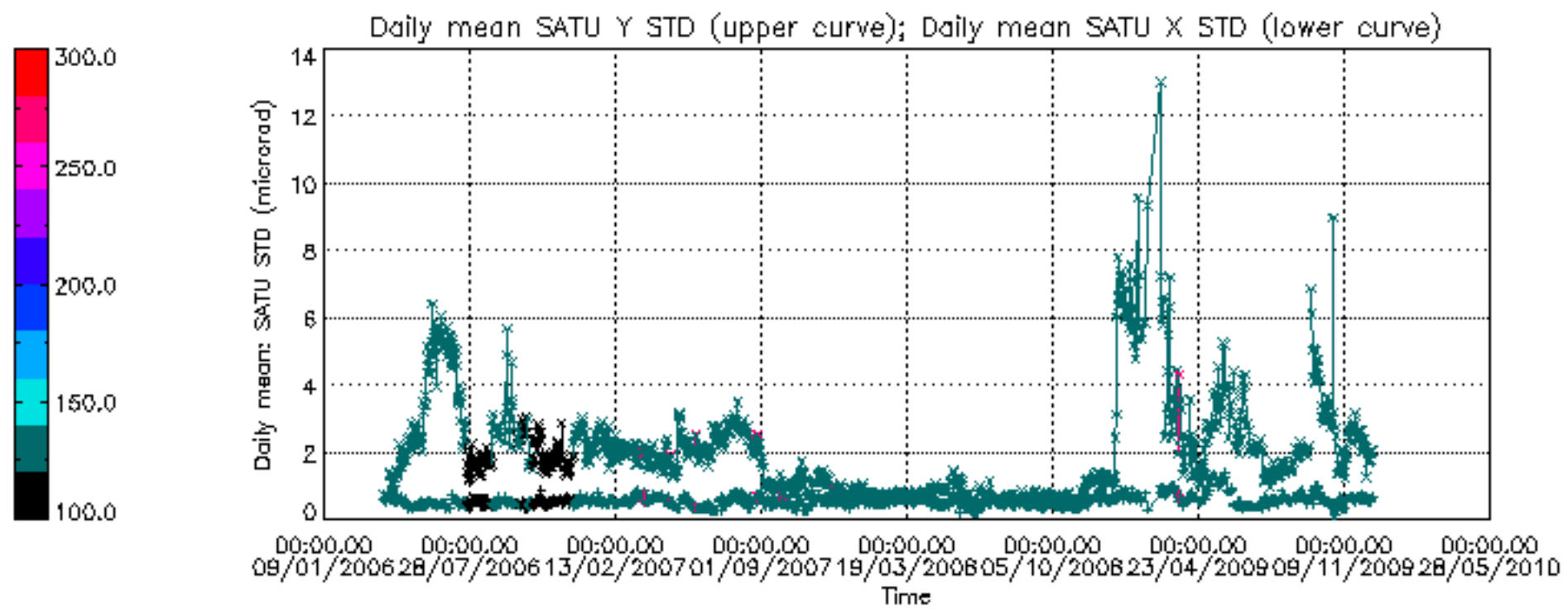


Tangent altitude at which the star is lost









/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20091201_013105_000044402084_00403_40537_9039.N1

1; -575.6; 01-DEC-2009 01:31:05; Dark ; 49.5; 100; 4Gam Crv ; 2.58; 13100;occ; 99; 0;40537
 2; -480.0; 01-DEC-2009 01:32:41; Dark ; 48.5; 171; 2Eps Crv ; 3.00; 4250;occ; 97; 0;40537
 3; 88.7; 01-DEC-2009 01:42:10; Dark ; 48.5; 113; Mu Vel ; 2.69; 5000;occ; 97; 0;40538
 4; 407.7; 01-DEC-2009 01:47:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40538
 5; 605.8; 01-DEC-2009 01:50:47; Dark ; 49.0; 34; Gam2Vel ; 1.79; 23000;occ; 98; 0;40538
 6; 711.5; 01-DEC-2009 01:52:32; Dark ; 57.0; 70; Zet Pup ; 2.25; 39000;occ; 114; 0;40538
 7; 919.9; 01-DEC-2009 01:56:01; Dark ; 62.0; 117; Pi Pup ; 2.71; 3800;occ; 124; 0;40538
 8; 1147.6; 01-DEC-2009 01:59:49; Dark ; 69.0; 23; 21Eps CMa ; 1.50; 26000;occ; 138; 0;40538
 9; 1535.7; 01-DEC-2009 02:06:17; Dark ; 55.0; 101; 11Alp Lep ; 2.58; 7000;occ; 110; 0;40538
 10; 1752.0; 01-DEC-2009 02:09:53; Dark ; 56.5; 7; 19Bet Ori ; 0.10; 14000;occ; 113; 0;40538
 11; 1933.1; 01-DEC-2009 02:12:54; Dark ; 62.5; 30; 46Eps Ori ; 1.69; 30000;occ; 125; 0;40538
 12; 2096.1; 01-DEC-2009 02:15:37; Dark ; 66.0; 27; 24Gam Ori ; 1.64; 26000;occ; 132; 0;40538
 13; 2231.9; 01-DEC-2009 02:17:53; Bright; 50.0; 13; 87Alp Tau ; 0.87; 3800;occ; 100; 0;40538
 14; 2328.4; 01-DEC-2009 02:19:29; Bright; 39.0; 146; 25Eta Tau ; 2.87; 15200;occ; 78; 0;40538
 15; 2470.7; 01-DEC-2009 02:21:52; Bright; 39.5; 150; 44Zet Per ; 2.89; 28000;occ; 79; 0;40538
 16; 2616.0; 01-DEC-2009 02:24:17; Bright; 39.5; 149; 45Eps Per ; 2.89; 30000;occ; 79; 0;40538
 17; 2847.4; 01-DEC-2009 02:28:08; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;40538
 18; 2957.0; 01-DEC-2009 02:29:58; Bright; 51.0; 42; 34Bet Aur ; 1.90; 10200;occ; 102; 0;40538
 19; 3821.0; 01-DEC-2009 02:44:22; Bright; 44.0; 36; 50Alp UMa ; 1.80; 6300;occ; 88; 0;40538

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20091201_024439_000052052084_00404_40538_9040.N1

1; -2197.9; 01-DEC-2009 02:44:39; Bright; 44.5; 36; 50Alp UMa ; 1.80; 6300;occ; 89; 34;40538
 2; -2118.8; 01-DEC-2009 02:45:58; Bright; 47.0; 82; 48Bet UMa ; 2.37; 10600;occ; 94; 0;40538
 3; -2021.4; 01-DEC-2009 02:47:36; Bright; 40.0; 32; 77Eps UMa ; 1.76; 11000;occ; 80; 0;40538
 4; -1848.5; 01-DEC-2009 02:50:28; Bright; 52.0; 174; 52Psi UMa ; 3.00; 4400;occ; 104; 0;40538
 5; -1687.8; 01-DEC-2009 02:53:09; Bright; 37.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 75; 0;40538
 6; -1112.5; 01-DEC-2009 03:02:44; Bright; 55.5; 62; 94Bet Leo ; 2.14; 9700;occ; 111; 0;40538
 7; -915.0; 01-DEC-2009 03:06:02; Bright; 62.0; 121; 29Gam Vir ; 2.74; 7200;occ; 124; 0;40538
 8; -574.6; 01-DEC-2009 03:11:42; Dark ; 43.5; 100; 4Gam Crv ; 2.58; 13100;occ; 87; 0;40538
 9; -479.0; 01-DEC-2009 03:13:18; Dark ; 48.5; 171; 2Eps Crv ; 3.00; 4250;occ; 97; 0;40538
 10; 89.2; 01-DEC-2009 03:22:46; Dark ; 43.5; 113; Mu Vel ; 2.69; 5000;occ; 87; 0;40539
 11; 408.5; 01-DEC-2009 03:28:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40539
 12; 607.0; 01-DEC-2009 03:31:24; Dark ; 59.5; 34; Gam2Vel ; 1.79; 23000;occ; 119; 0;40539
 13; 712.6; 01-DEC-2009 03:33:09; Dark ; 54.5; 70; Zet Pup ; 2.25; 39000;occ; 109; 0;40539
 14; 920.7; 01-DEC-2009 03:36:38; Dark ; 60.5; 117; Pi Pup ; 2.71; 3800;occ; 121; 0;40539
 15; 1148.2; 01-DEC-2009 03:40:25; Dark ; 68.0; 23; 21Eps CMa ; 1.50; 26000;occ; 136; 0;40539
 16; 1536.0; 01-DEC-2009 03:46:53; Dark ; 56.0; 101; 11Alp Lep ; 2.58; 7000;occ; 112; 0;40539
 17; 1752.3; 01-DEC-2009 03:50:29; Dark ; 56.5; 7; 19Bet Ori ; 0.10; 14000;occ; 113; 0;40539
 18; 1932.8; 01-DEC-2009 03:53:30; Dark ; 65.5; 30; 46Eps Ori ; 1.69; 30000;occ; 131; 0;40539
 19; 2095.7; 01-DEC-2009 03:56:13; Dark ; 61.0; 27; 24Gam Ori ; 1.64; 26000;occ; 122; 0;40539
 20; 2231.6; 01-DEC-2009 03:58:28; Bright; 53.5; 13; 87Alp Tau ; 0.87; 3800;occ; 107; 0;40539
 21; 2328.6; 01-DEC-2009 04:00:05; Bright; 38.5; 146; 25Eta Tau ; 2.87; 15200;occ; 77; 0;40539
 22; 2470.5; 01-DEC-2009 04:02:27; Bright; 39.0; 150; 44Zet Per ; 2.89; 28000;occ; 78; 0;40539
 23; 2616.1; 01-DEC-2009 04:04:53; Bright; 37.0; 149; 45Eps Per ; 2.89; 30000;occ; 74; 0;40539
 24; 2846.8; 01-DEC-2009 04:08:44; Bright; 66.0; 6; 13Alp Aur ; 0.08; 3400;occ; 132; 0;40539
 25; 2956.1; 01-DEC-2009 04:10:33; Bright; 51.5; 42; 34Bet Aur ; 1.90; 10200;occ; 103; 0;40539

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1; -2215.3; 01-DEC-2009 04:24:58; Bright; 51.0; 36; 50Alp UMa ; 1.80; 6300;occ; 102; 0;40539
 2; -2119.0; 01-DEC-2009 04:26:34; Bright; 47.5; 82; 48Bet UMa ; 2.37; 10600;occ; 95; 0;40539
 3; -2021.3; 01-DEC-2009 04:28:12; Bright; 56.0; 32; 77Eps UMa ; 1.76; 11000;occ; 112; 0;40539
 4; -1848.9; 01-DEC-2009 04:31:04; Bright; 52.5; 174; 52Psi UMa ; 3.00; 4400;occ; 105; 0;40539
 5; -1687.8; 01-DEC-2009 04:33:45; Bright; 52.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 104; 0;40539
 6; -1111.6; 01-DEC-2009 04:43:21; Bright; 59.5; 62; 94Bet Leo ; 2.14; 9700;occ; 119; 0;40539
 7; -914.3; 01-DEC-2009 04:46:39; Bright; 43.5; 121; 29Gam Vir ; 2.74; 7200;occ; 87; 0;40539
 8; -573.7; 01-DEC-2009 04:52:19; Dark ; 49.5; 100; 4Gam Crv ; 2.58; 13100;occ; 99; 0;40539
 9; -478.5; 01-DEC-2009 04:53:54; Dark ; 50.0; 171; 2Eps Crv ; 3.00; 4250;occ; 100; 0;40539
 10; 90.1; 01-DEC-2009 05:03:23; Dark ; 43.0; 113; Mu Vel ; 2.69; 5000;occ; 86; 0;40540
 11; 409.3; 01-DEC-2009 05:08:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40540
 12; 607.8; 01-DEC-2009 05:12:01; Dark ; 50.5; 34; Gam2Vel ; 1.79; 23000;occ; 101; 0;40540
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13; 4703.0; 09-DEC-2009 08:49:43; Bright; 50.0; 111; 8Eta Boo ; 2.68; 6000;occ; 100; 0;40656
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 5; 2198.9; 10-DEC-2009 14:18:45; Dark ; 56.0; 13; 87Alp Tau ; 0.87; 3800;occ; 112; 0;40674
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 12; 4140.8; 10-DEC-2009 14:51:07; Bright; 35.5; 39; 85Eta UMA ; 1.85; 24000;occ; 71; 0;40674
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13; 4140.4; 10-DEC-2009 16:31:43; Bright; 48.0; 39; 85Eta UMa ; 1.85; 24000;occ; 96; 0;40675
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13; 3997.4; 10-DEC-2009 18:09:56; Bright; 46.5; 32; 77Eps UMa ; 1.76; 11000;occ; 93; 0;40676
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 16; 726.6; 11-DEC-2009 06:40:12; Dark ; 49.5; 34; Gam2Vel ; 1.79; 23000;occ; 99; 0;40684
 17; 876.8; 11-DEC-2009 06:42:43; Dark ; 48.5; 2; Alp Car ; -0.74; 7000;occ; 97; 0;40684
 18; 1027.2; 11-DEC-2009 06:45:13; Dark ; 54.0; 117; Pi Pup ; 2.71; 3800;occ; 108; 0;40684
 19; 1232.9; 11-DEC-2009 06:48:39; Dark ; 54.5; 23; 21Eps CMa ; 1.50; 26000;occ; 109; 0;40684
 20; 1527.7; 11-DEC-2009 06:53:34; Dark ; 29.0; 47; 2Bet CMa ; 1.98; 28000;occ; 58; 0;40684
 21; 1748.0; 11-DEC-2009 06:57:14; Dark ; 46.0; 7; 19Bet Ori ; 0.10; 14000;occ; 92; 0;40684

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20091211_065714_000060852085_00049_40684_5738.N1

1; 1748.0; 11-DEC-2009 06:57:14; Dark ; 51.0; 7; 19Bet Ori ; 0.10; 14000;occ; 102; 0;40684
 2; 1894.2; 11-DEC-2009 06:59:40; Dark ; 51.0; 30; 46Eps Ori ; 1.69; 30000;occ; 102; 0;40684
 3; 2040.8; 11-DEC-2009 07:02:07; Dark ; 49.5; 27; 24Gam Ori ; 1.64; 26000;occ; 99; 0;40684
 4; 2197.3; 11-DEC-2009 07:04:43; Dark ; 50.5; 13; 87Alp Tau ; 0.87; 3800;occ; 101; 0;40684
 5; 2451.4; 11-DEC-2009 07:08:57; Bright; 37.0; 150; 44Zet Per ; 2.89; 28000;occ; 74; 0;40684
 6; 2591.6; 11-DEC-2009 07:11:17; Bright; 35.0; 149; 45Eps Per ; 2.89; 30000;occ; 70; 0;40684
 7; 2767.8; 11-DEC-2009 07:14:14; Bright; 45.5; 6; 13Alp Aur ; 0.08; 3400;occ; 91; 0;40684
 8; 3762.5; 11-DEC-2009 07:30:48; Bright; 48.0; 36; 50Alp UMa ; 1.80; 6300;occ; 96; 0;40684
 9; 3995.8; 11-DEC-2009 07:34:42; Bright; 60.0; 32; 77Eps UMa ; 1.76; 11000;occ; 120; 0;40684
 10; 4140.3; 11-DEC-2009 07:37:06; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;40684
 11; 4331.3; 11-DEC-2009 07:40:17; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;40684
 12; 4710.4; 11-DEC-2009 07:46:36; Bright; 57.0; 111; 8Eta Boo ; 2.68; 6000;occ; 114; 0;40684
 13; 4927.7; 11-DEC-2009 07:50:13; Bright; 67.0; 138; 47Eps Vir ; 2.83; 4700;occ; 134; 0;40684
 14; 5281.8; 11-DEC-2009 07:56:08; Dark ; 51.0; 15; 67Alp Vir ; 0.98; 28000;occ; 102; 0;40684
 15; 5490.0; 11-DEC-2009 07:59:36; Dark ; 45.0; 169; 46Gam Hya ; 2.99; 4700;occ; 90; 0;40684
 16; 5603.0; 11-DEC-2009 08:01:29; Dark ; 56.5; 100; 4Gam Crv ; 2.58; 13100;occ; 113; 0;40684
 17; 5699.1; 11-DEC-2009 08:03:05; Dark ; 53.5; 171; 2Eps Crv ; 3.00; 4250;occ; 107; 0;40684
 18; 5936.8; 11-DEC-2009 08:07:03; Dark ; 41.5; 64; Gam Cen ; 2.20; 10600;occ; 83; 0;40684
 19; 6029.7; 11-DEC-2009 08:08:36; Dark ; 39.5; 99; Del Cen ; 2.58; 26000;occ; 79; 0;40684
 20; 6246.4; 11-DEC-2009 08:12:12; Dark ; 54.5; 113; Mu Vel ; 2.69; 5000;occ; 109; 0;40684
 21; 6490.9; 11-DEC-2009 08:16:17; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;40684
 22; 6563.6; 11-DEC-2009 08:17:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40684
 23; 6763.3; 11-DEC-2009 08:20:49; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;40684
 24; 6913.2; 11-DEC-2009 08:23:19; Dark ; 46.5; 2; Alp Car ; -0.74; 7000;occ; 93; 0;40684
 25; 7064.0; 11-DEC-2009 08:25:50; Dark ; 55.0; 117; Pi Pup ; 2.71; 3800;occ; 110; 0;40684
 26; 7269.3; 11-DEC-2009 08:29:15; Dark ; 55.0; 23; 21Eps CMa ; 1.50; 26000;occ; 110; 0;40684
 27; 7563.5; 11-DEC-2009 08:34:09; Dark ; 29.0; 47; 2Bet CMa ; 1.98; 28000;occ; 58; 0;40684
 28; 7784.0; 11-DEC-2009 08:37:50; Dark ; 49.0; 7; 19Bet Ori ; 0.10; 14000;occ; 98; 0;40684

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 2; 1894.1; 11-DEC-2009 08:40:16; Dark ; 49.0; 30; 46Eps Ori ; 1.69; 30000;occ; 98; 0;40685
 3; 2040.4; 11-DEC-2009 08:42:42; Dark ; 51.0; 27; 24Gam Ori ; 1.64; 26000;occ; 102; 0;40685
 4; 2197.1; 11-DEC-2009 08:45:19; Dark ; 56.0; 13; 87Alp Tau ; 0.87; 3800;occ; 112; 0;40685
 5; 2451.3; 11-DEC-2009 08:49:33; Bright; 37.5; 150; 44Zet Per ; 2.89; 28000;occ; 75; 0;40685
 6; 2591.4; 11-DEC-2009 08:51:53; Bright; 36.0; 149; 45Eps Per ; 2.89; 30000;occ; 72; 0;40685
 7; 2767.4; 11-DEC-2009 08:54:49; Bright; 60.0; 6; 13Alp Aur ; 0.08; 3400;occ; 120; 0;40685
 8; 3761.9; 11-DEC-2009 09:11:24; Bright; 52.0; 36; 50Alp UMa ; 1.80; 6300;occ; 104; 0;40685
 9; 3995.8; 11-DEC-2009 09:15:18; Bright; 40.5; 32; 77Eps UMa ; 1.76; 11000;occ; 81; 0;40685
 10; 4140.1; 11-DEC-2009 09:17:42; Bright; 41.5; 39; 85Eta UMa ; 1.85; 24000;occ; 83; 0;40685
 11; 4331.5; 11-DEC-2009 09:20:53; Bright; 53.0; 180; 27Gam Boo ; 3.04; 8000;occ; 106; 0;40685
 12; 4710.8; 11-DEC-2009 09:27:13; Bright; 57.0; 111; 8Eta Boo ; 2.68; 6000;occ; 114; 0;40685
 13; 4928.1; 11-DEC-2009 09:30:50; Bright; 67.0; 138; 47Eps Vir ; 2.83; 4700;occ; 134; 0;40685
 14; 5282.3; 11-DEC-2009 09:36:44; Dark ; 54.0; 15; 67Alp Vir ; 0.98; 28000;occ; 108; 0;40685
 15; 5491.0; 11-DEC-2009 09:40:13; Dark ; 46.0; 169; 46Gam Hya ; 2.99; 4700;occ; 92; 0;40685
 16; 5604.0; 11-DEC-2009 09:42:06; Dark ; 55.0; 100; 4Gam Crv ; 2.58; 13100;occ; 110; 0;40685
 17; 5700.3; 11-DEC-2009 09:43:42; Dark ; 58.5; 171; 2Eps Crv ; 3.00; 4250;occ; 117; 0;40685
 18; 5937.3; 11-DEC-2009 09:47:39; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;40685
 19; 6030.3; 11-DEC-2009 09:49:12; Dark ; 40.0; 99; Del Cen ; 2.58; 26000;occ; 80; 0;40685
 20; 6247.2; 11-DEC-2009 09:52:49; Dark ; 44.0; 113; Mu Vel ; 2.69; 5000;occ; 88; 0;40685
 21; 6491.5; 11-DEC-2009 09:56:53; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40685
 22; 6564.3; 11-DEC-2009 09:58:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40685
 23; 6764.1; 11-DEC-2009 10:01:26; Dark ; 52.0; 34; Gam2Vel ; 1.79; 23000;occ; 104; 0;40685
 24; 6913.6; 11-DEC-2009 10:03:55; Dark ; 46.0; 2; Alp Car ; -0.74; 7000;occ; 92; 0;40685
 25; 7064.5; 11-DEC-2009 10:06:26; Dark ; 55.0; 117; Pi Pup ; 2.71; 3800;occ; 110; 0;40685
 26; 7269.8; 11-DEC-2009 10:09:52; Dark ; 55.0; 23; 21Eps CMa ; 1.50; 26000;occ; 110; 0;40685
 27; 7563.8; 11-DEC-2009 10:14:46; Dark ; 34.5; 47; 2Bet CMa ; 1.98; 28000;occ; 69; 0;40685

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1; 1553.9; 11-DEC-2009 10:15:12; Dark ; 35.0; 47; 2Bet CMa ; 1.98; 28000;occ; 70; 52;40686

2; 1748.0; 11-DEC-2009 10:18:26; Dark ; 53.0; 7; 19Bet Ori ; 0.10; 14000;occ; 106; 0;40686
3; 1893.9; 11-DEC-2009 10:20:52; Dark ; 51.0; 30; 46Eps Ori ; 1.69; 30000;occ; 102; 0;40686
4; 2040.2; 11-DEC-2009 10:23:18; Dark ; 51.0; 27; 24Gam Ori ; 1.64; 26000;occ; 102; 0;40686
5; 2196.9; 11-DEC-2009 10:25:55; Dark ; 49.0; 13; 87Alp Tau ; 0.87; 3800;occ; 98; 0;40686
6; 2355.8; 11-DEC-2009 10:28:33; Bright; 46.0; 176; 23Zet Tau ; 3.02; 22000;occ; 92; 0;40686
7; 2477.3; 11-DEC-2009 10:30:35; Bright; 46.5; 28; 12Bet Tau ; 1.65; 15200;occ; 93; 0;40686
8; 2591.4; 11-DEC-2009 10:32:29; Bright; 53.0; 149; 45Eps Per ; 2.89; 30000;occ; 106; 0;40686
9; 2766.9; 11-DEC-2009 10:35:25; Bright; 47.5; 6; 13Alp Aur ; 0.08; 3400;occ; 95; 0;40686
10; 3761.5; 11-DEC-2009 10:51:59; Bright; 43.5; 36; 50Alp UMa ; 1.80; 6300;occ; 87; 0;40686
11; 3995.5; 11-DEC-2009 10:55:53; Bright; 41.5; 32; 77Eps UMa ; 1.76; 11000;occ; 83; 0;40686
12; 4140.3; 11-DEC-2009 10:58:18; Bright; 56.0; 39; 85Eta UMa ; 1.85; 24000;occ; 112; 0;40686
13; 4331.5; 11-DEC-2009 11:01:29; Bright; 46.5; 180; 27Gam Boo ; 3.04; 8000;occ; 93; 0;40686
14; 4711.2; 11-DEC-2009 11:07:49; Bright; 57.0; 111; 8Eta Boo ; 2.68; 6000;occ; 114; 0;40686
15; 4928.6; 11-DEC-2009 11:11:26; Bright; 50.5; 138; 47Eps Vir ; 2.83; 4700;occ; 101; 0;40686
16; 5283.0; 11-DEC-2009 11:17:21; Dark ; 50.5; 15; 67Alp Vir ; 0.98; 28000;occ; 101; 0;40686
17; 5491.5; 11-DEC-2009 11:20:49; Dark ; 45.5; 169; 46Gam Hya ; 2.99; 4700;occ; 91; 0;40686
18; 5605.0; 11-DEC-2009 11:22:43; Dark ; 56.0; 100; 4Gam Crv ; 2.58; 13100;occ; 112; 0;40686
19; 5701.3; 11-DEC-2009 11:24:19; Dark ; 55.5; 171; 2Eps Crv ; 3.00; 4250;occ; 111; 0;40686
20; 5937.8; 11-DEC-2009 11:28:15; Dark ; 38.5; 64; Gam Cen ; 2.20; 10600;occ; 77; 0;40686
21; 6030.9; 11-DEC-2009 11:29:49; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40686
22; 6248.0; 11-DEC-2009 11:33:26; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;40686
23; 6492.1; 11-DEC-2009 11:37:30; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;40686
24; 6565.1; 11-DEC-2009 11:38:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40686
25; 6764.9; 11-DEC-2009 11:42:03; Dark ; 50.5; 34; Gam2Vel ; 1.79; 23000;occ; 101; 0;40686
26; 6913.8; 11-DEC-2009 11:44:32; Dark ; 49.5; 2; Alp Car ; -0.74; 7000;occ; 99; 0;40686
27; 7065.4; 11-DEC-2009 11:47:03; Dark ; 56.0; 117; Pi Pup ; 2.71; 3800;occ; 112; 0;40686
28; 7270.1; 11-DEC-2009 11:50:28; Dark ; 56.0; 23; 21Eps CMa ; 1.50; 26000;occ; 112; 0;40686
29; 7563.9; 11-DEC-2009 11:55:22; Dark ; 34.5; 47; 2Bet CMa ; 1.98; 28000;occ; 69; 0;40686

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2; 1748.0; 11-DEC-2009 11:59:02; Dark ; 51.5; 7; 19Bet Ori ; 0.10; 14000;occ; 103; 0;40687
3; 1893.6; 11-DEC-2009 12:01:27; Dark ; 50.5; 30; 46Eps Ori ; 1.69; 30000;occ; 101; 0;40687
4; 2040.0; 11-DEC-2009 12:03:54; Dark ; 50.0; 27; 24Gam Ori ; 1.64; 26000;occ; 100; 0;40687
5; 2196.8; 11-DEC-2009 12:06:30; Dark ; 47.5; 13; 87Alp Tau ; 0.87; 3800;occ; 95; 0;40687
6; 2355.6; 11-DEC-2009 12:09:09; Bright; 46.5; 176; 23Zet Tau ; 3.02; 22000;occ; 93; 0;40687
7; 2476.9; 11-DEC-2009 12:11:10; Bright; 42.0; 28; 12Bet Tau ; 1.65; 15200;occ; 84; 0;40687
8; 2591.1; 11-DEC-2009 12:13:05; Bright; 36.5; 149; 45Eps Per ; 2.89; 30000;occ; 73; 0;40687
9; 2766.6; 11-DEC-2009 12:16:00; Bright; 42.5; 6; 13Alp Aur ; 0.08; 3400;occ; 85; 0;40687
10; 3760.8; 11-DEC-2009 12:32:34; Bright; 43.0; 36; 50Alp UMa ; 1.80; 6300;occ; 86; 0;40687
11; 3995.2; 11-DEC-2009 12:36:29; Bright; 38.5; 32; 77Eps UMa ; 1.76; 11000;occ; 77; 0;40687
12; 4140.1; 11-DEC-2009 12:38:54; Bright; 47.5; 39; 85Eta UMa ; 1.85; 24000;occ; 95; 0;40687
13; 4331.7; 11-DEC-2009 12:42:05; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;40687
14; 4711.5; 11-DEC-2009 12:48:25; Bright; 57.0; 111; 8Eta Boo ; 2.68; 6000;occ; 114; 0;40687
15; 4929.1; 11-DEC-2009 12:52:03; Bright; 68.0; 138; 47Eps Vir ; 2.83; 4700;occ; 136; 0;40687
16; 5283.6; 11-DEC-2009 12:57:57; Dark ; 49.5; 15; 67Alp Vir ; 0.98; 28000;occ; 99; 0;40687
17; 5492.2; 11-DEC-2009 13:01:26; Dark ; 45.5; 169; 46Gam Hya ; 2.99; 4700;occ; 91; 0;40687
18; 5606.4; 11-DEC-2009 13:03:20; Dark ; 52.5; 100; 4Gam Crv ; 2.58; 13100;occ; 105; 0;40687
19; 5702.6; 11-DEC-2009 13:04:56; Dark ; 52.5; 171; 2Eps Crv ; 3.00; 4250;occ; 105; 0;40687
20; 5938.2; 11-DEC-2009 13:08:52; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 0;40687
21; 6031.6; 11-DEC-2009 13:10:25; Dark ; 39.5; 99; Del Cen ; 2.58; 26000;occ; 79; 0;40687
22; 6249.0; 11-DEC-2009 13:14:03; Dark ; 44.5; 113; Mu Vel ; 2.69; 5000;occ; 89; 0;40687
23; 6492.6; 11-DEC-2009 13:18:06; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;40687
24; 6565.9; 11-DEC-2009 13:19:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40687
25; 6765.8; 11-DEC-2009 13:22:39; Dark ; 49.0; 34; Gam2Vel ; 1.79; 23000;occ; 98; 0;40687
26; 6914.5; 11-DEC-2009 13:25:08; Dark ; 50.0; 2; Alp Car ; -0.74; 7000;occ; 100; 0;40687
27; 7066.0; 11-DEC-2009 13:27:40; Dark ; 54.0; 117; Pi Pup ; 2.71; 3800;occ; 108; 0;40687
28; 7270.8; 11-DEC-2009 13:31:04; Dark ; 53.0; 23; 21Eps CMa ; 1.50; 26000;occ; 106; 0;40687
29; 7564.3; 11-DEC-2009 13:35:58; Dark ; 40.5; 47; 2Bet CMa ; 1.98; 28000;occ; 81; 0;40687

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2; 1748.2; 11-DEC-2009 13:39:38; Dark ; 51.0; 7; 19Bet Ori ; 0.10; 14000;occ; 102; 0;40688
3; 1893.6; 11-DEC-2009 13:42:03; Dark ; 54.0; 30; 46Eps Ori ; 1.69; 30000;occ; 108; 0;40688
4; 2039.8; 11-DEC-2009 13:44:29; Dark ; 48.5; 27; 24Gam Ori ; 1.64; 26000;occ; 97; 0;40688
5; 2196.7; 11-DEC-2009 13:47:06; Dark ; 56.0; 13; 87Alp Tau ; 0.87; 3800;occ; 112; 0;40688
6; 2355.0; 11-DEC-2009 13:49:44; Bright; 47.5; 176; 23Zet Tau ; 3.02; 22000;occ; 95; 0;40688
7; 2476.3; 11-DEC-2009 13:51:46; Bright; 45.0; 28; 12Bet Tau ; 1.65; 15200;occ; 90; 0;40688
8; 2591.1; 11-DEC-2009 13:53:41; Bright; 35.5; 149; 45Eps Per ; 2.89; 30000;occ; 71; 0;40688
9; 2766.3; 11-DEC-2009 13:56:36; Bright; 60.0; 6; 13Alp Aur ; 0.08; 3400;occ; 120; 0;40688

10; 3760.6; 11-DEC-2009 14:13:10; Bright; 46.0; 36; 50Alp UMa ; 1.80; 6300;occ; 92; 0;40688
 11; 3995.1; 11-DEC-2009 14:17:05; Bright; 45.0; 32; 77Eps UMa ; 1.76; 11000;occ; 90; 0;40688
 12; 4140.3; 11-DEC-2009 14:19:30; Bright; 36.0; 39; 85Eta UMa ; 1.85; 24000;occ; 72; 0;40688
 13; 4332.0; 11-DEC-2009 14:22:41; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;40688
 14; 4711.8; 11-DEC-2009 14:29:01; Bright; 57.0; 111; 8Eta Boo ; 2.68; 6000;occ; 114; 0;40688
 15; 4929.8; 11-DEC-2009 14:32:39; Bright; 68.0; 138; 47Eps Vir ; 2.83; 4700;occ; 136; 0;40688
 16; 5230.2; 11-DEC-2009 14:37:40; Dark ; 56.0; 121; 29Gam Vir ; 2.74; 7200;occ; 112; 0;40688
 17; 5492.8; 11-DEC-2009 14:42:02; Dark ; 45.0; 169; 46Gam Hya ; 2.99; 4700;occ; 90; 0;40688
 18; 5607.5; 11-DEC-2009 14:43:57; Dark ; 50.5; 100; 4Gam Crv ; 2.58; 13100;occ; 101; 0;40688
 19; 5703.8; 11-DEC-2009 14:45:33; Dark ; 58.5; 171; 2Eps Crv ; 3.00; 4250;occ; 117; 0;40688
 20; 5939.1; 11-DEC-2009 14:49:29; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;40688
 21; 6032.3; 11-DEC-2009 14:51:02; Dark ; 42.0; 99; Del Cen ; 2.58; 26000;occ; 84; 0;40688
 22; 6249.9; 11-DEC-2009 14:54:39; Dark ; 43.5; 113; Mu Vel ; 2.69; 5000;occ; 87; 0;40688
 23; 6493.4; 11-DEC-2009 14:58:43; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40688
 24; 6566.7; 11-DEC-2009 14:59:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40688
 25; 6766.5; 11-DEC-2009 15:03:16; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;40688
 26; 6915.0; 11-DEC-2009 15:05:44; Dark ; 46.0; 2; Alp Car ; -0.74; 7000;occ; 92; 0;40688
 27; 7066.6; 11-DEC-2009 15:08:16; Dark ; 56.5; 117; Pi Pup ; 2.71; 3800;occ; 113; 0;40688
 28; 7271.4; 11-DEC-2009 15:11:41; Dark ; 57.5; 23; 21Eps CMa ; 1.50; 26000;occ; 115; 0;40688

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 3; 1893.6; 11-DEC-2009 15:22:39; Dark ; 51.0; 30; 46Eps Ori ; 1.69; 30000;occ; 102; 0;40689
 4; 2039.6; 11-DEC-2009 15:25:05; Dark ; 49.0; 27; 24Gam Ori ; 1.64; 26000;occ; 98; 0;40689
 5; 2196.8; 11-DEC-2009 15:27:42; Dark ; 48.0; 13; 87Alp Tau ; 0.87; 3800;occ; 96; 0;40689
 6; 2354.6; 11-DEC-2009 15:30:20; Bright; 46.5; 176; 23Zet Tau ; 3.02; 22000;occ; 93; 0;40689
 7; 2475.9; 11-DEC-2009 15:32:21; Bright; 44.5; 28; 12Bet Tau ; 1.65; 15200;occ; 89; 0;40689
 8; 2591.1; 11-DEC-2009 15:34:16; Bright; 37.0; 149; 45Eps Per ; 2.89; 30000;occ; 74; 0;40689
 9; 2765.9; 11-DEC-2009 15:37:11; Bright; 43.5; 6; 13Alp Aur ; 0.08; 3400;occ; 87; 0;40689
 10; 3760.3; 11-DEC-2009 15:53:46; Bright; 47.0; 36; 50Alp UMa ; 1.80; 6300;occ; 94; 0;40689
 11; 3995.0; 11-DEC-2009 15:57:40; Bright; 46.5; 32; 77Eps UMa ; 1.76; 11000;occ; 93; 0;40689
 12; 4140.4; 11-DEC-2009 16:00:06; Bright; 56.0; 39; 85Eta UMa ; 1.85; 24000;occ; 112; 0;40689
 13; 4332.3; 11-DEC-2009 16:03:18; Bright; 53.0; 180; 27Gam Boo ; 3.04; 8000;occ; 106; 0;40689
 14; 4712.0; 11-DEC-2009 16:09:37; Bright; 39.5; 111; 8Eta Boo ; 2.68; 6000;occ; 79; 0;40689
 15; 4930.8; 11-DEC-2009 16:13:16; Bright; 47.0; 138; 47Eps Vir ; 2.83; 4700;occ; 94; 0;40689
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 28; 7271.9; 11-DEC-2009 16:52:17; Dark ; 55.5; 23; 21Eps CMa ; 1.50; 26000;occ; 111; 0;40689

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 23; 6251.8; 11-DEC-2009 18:15:53; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40690
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 25; 6568.4; 11-DEC-2009 18:21:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40690
 26; 6768.2; 11-DEC-2009 18:24:30; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;40690
 27; 6915.9; 11-DEC-2009 18:26:57; Dark ; 53.0; 2; Alp Car ; -0.74; 7000;occ; 106; 0;40690
 28; 7067.9; 11-DEC-2009 18:29:29; Dark ; 56.0; 117; Pi Pup ; 2.71; 3800;occ; 112; 0;40690

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 13; 3994.7; 11-DEC-2009 19:18:52; Bright; 46.0; 32; 77Eps UMa ; 1.76; 11000;occ; 92; 0;40691
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 28; 6916.2; 11-DEC-2009 20:07:34; Dark ; 53.5; 2; Alp Car ; -0.74; 7000;occ; 107; 0;40691

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 11; 1034.5; 12-DEC-2009 01:11:55; Dark ; 52.5; 117; Pi Pup ; 2.71; 3800;occ; 105; 0;40695
 12; 1238.4; 12-DEC-2009 01:15:19; Dark ; 55.0; 23; 21Eps CMa ; 1.50; 26000;occ; 110; 0;40695
 13; 1529.2; 12-DEC-2009 01:20:10; Dark ; 54.0; 47; 2Bet CMa ; 1.98; 28000;occ; 108; 0;40695
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 15; 1892.4; 12-DEC-2009 01:26:13; Dark ; 52.0; 30; 46Eps Ori ; 1.69; 30000;occ; 104; 0;40695
 16; 2038.0; 12-DEC-2009 01:28:39; Dark ; 50.0; 27; 24Gam Ori ; 1.64; 26000;occ; 100; 0;40695
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 19; 2451.0; 12-DEC-2009 01:35:32; Bright; 36.5; 150; 44Zet Per ; 2.89; 28000;occ; 73; 0;40695
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 22; 3757.3; 12-DEC-2009 01:57:18; Bright; 49.0; 36; 50Alp UMa ; 1.80; 6300;occ; 98; 0;40695
 23; 3993.8; 12-DEC-2009 02:01:15; Bright; 40.0; 32; 77Eps UMa ; 1.76; 11000;occ; 80; 0;40695
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 27; 4934.0; 12-DEC-2009 02:16:55; Bright; 67.5; 138; 47Eps Vir ; 2.83; 4700;occ; 135; 0;40695

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13; 1529.5; 12-DEC-2009 03:00:46; Dark ; 53.5; 47; 2Bet CMA ; 1.98; 28000;occ; 107; 0;40696
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22; 2762.8; 12-DEC-2009 03:21:20; Bright; 45.0; 6; 13Alp Aur ; 0.08; 3400;occ; 90; 0;40696

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27; 2590.5; 12-DEC-2009 04:59:03; Bright; 35.0; 149; 45Eps Per ; 2.89; 30000;occ; 70; 0;40697
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29; 2762.3; 12-DEC-2009 05:01:55; Bright; 47.0; 6; 13Alp Aur ; 0.08; 3400;occ; 94; 0;40697

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 19; 4940.2; 12-DEC-2009 20:43:37; Bright; 53.5; 138; 47Eps Vir ; 2.83; 4700;occ; 107; 0;40706

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 22; 6310.0; 16-DEC-2009 08:56:23; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;40756
 23; 6536.0; 16-DEC-2009 09:00:10; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;40756
 24; 6618.6; 16-DEC-2009 09:01:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40756
 25; 6816.4; 16-DEC-2009 09:04:50; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;40756
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 27; 7106.9; 16-DEC-2009 09:09:40; Dark ; 51.0; 117; Pi Pup ; 2.71; 3800;occ; 102; 0;40756
 28; 7251.6; 16-DEC-2009 09:12:05; Dark ; 26.0; 88; 31Eta CMa ; 2.45; 20000;occ; 52; 0;40756
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 9; 3704.5; 16-DEC-2009 09:53:34; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;40757
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 25; 6957.5; 17-DEC-2009 15:17:58; Dark ; 51.0; 70; Zet Pup ; 2.25; 39000;occ; 102; 0;40774
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 27; 7309.0; 17-DEC-2009 15:23:49; Dark ; 52.0; 23; 21Eps CMA ; 1.50; 26000;occ; 104; 0;40774
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 19; 5712.9; 17-DEC-2009 16:37:49; Dark ; 58.0; 106; 9Bet Crv ; 2.65; 5600;occ; 116; 0;40775
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 22; 6327.1; 17-DEC-2009 16:48:03; Dark ; 49.0; 113; Mu Vel ; 2.69; 5000;occ; 98; 0;40775
 23; 6547.7; 17-DEC-2009 16:51:44; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;40775
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 26; 6958.2; 17-DEC-2009 16:58:34; Dark ; 53.5; 70; Zet Pup ; 2.25; 39000;occ; 107; 0;40775
 27; 7117.5; 17-DEC-2009 17:01:14; Dark ; 50.5; 117; Pi Pup ; 2.71; 3800;occ; 101; 0;40775

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 18; 5345.4; 17-DEC-2009 18:12:18; Dark ; 52.5; 15; 67Alp Vir ; 0.98; 28000;occ; 105; 0;40776
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 27; 6959.2; 17-DEC-2009 18:39:11; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;40776

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15; 4136.1; 17-DEC-2009 19:32:44; Bright; 58.0; 39; 85Eta UMa ; 1.85; 24000;occ; 116; 0;40777
16; 4340.3; 17-DEC-2009 19:36:09; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;40777
17; 4535.6; 17-DEC-2009 19:39:24; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;40777
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19; 5346.1; 17-DEC-2009 19:52:54; Dark ; 52.5; 15; 67Alp Vir ; 0.98; 28000;occ; 105; 0;40777
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21; 5715.4; 17-DEC-2009 19:59:04; Dark ; 55.0; 106; 9Bet Crv ; 2.65; 5600;occ; 110; 0;40777
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23; 6092.8; 17-DEC-2009 20:05:21; Dark ; 41.0; 99; Del Cen ; 2.58; 26000;occ; 82; 0;40777
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13; 1751.1; 18-DEC-2009 01:35:23; Dark ; 48.0; 7; 19Bet Ori ; 0.10; 14000;occ; 96; 0;40781
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23; 4135.7; 18-DEC-2009 02:15:08; Bright; 16.5; 39; 85Eta UMa ; 1.85; 24000;occ; 33; 0;40781

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 23; 3703.2; 19-DEC-2009 01:36:18; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;40795
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 19; 1386.1; 19-DEC-2009 04:18:53; Dark ; 52.0; 179; 240mi2CMa ; 3.03; 24000;occ; 104; 0;40797
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27; 4546.0; 21-DEC-2009 22:34:55; Bright; 38.0; 83; ; 2.38; 11000;occ; 76; 0;40836
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21; 6702.8; 23-DEC-2009 08:42:50; Dark ; 52.0; 41; Eps Car ; 1.86; 4100;occ; 104; 0;40856
22; 6882.3; 23-DEC-2009 08:45:49; Dark ; 42.0; 34; Gam2Vel ; 1.79; 23000;occ; 84; 0;40856
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7; 2711.3; 23-DEC-2009 09:16:54; Bright; 45.0; 6; 13Alp Aur ; 0.08; 3400;occ; 90; 0;40857
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9; 3955.4; 23-DEC-2009 09:37:38; Bright; 44.5; 32; 77Eps UMa ; 1.76; 11000;occ; 89; 0;40857
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26; 7439.0; 23-DEC-2009 10:35:42; Dark ; 48.5; 179; 240mi2CMA ; 3.03; 24000;occ; 97; 0;40857
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9; 2710.7; 23-DEC-2009 14:18:41; Bright; 40.0; 6; 13Alp Aur ; 0.08; 3400;occ; 80; 0;40860
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11; 3954.7; 23-DEC-2009 14:39:25; Bright; 47.5; 32; 77Eps UMa ; 1.76; 11000;occ; 95; 0;40860
12; 4128.2; 23-DEC-2009 14:42:19; Bright; 40.0; 39; 85Eta UMa ; 1.85; 24000;occ; 80; 0;40860
13; 4347.2; 23-DEC-2009 14:45:58; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;40860
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22; 6598.8; 23-DEC-2009 15:23:29; Dark ; 39.5; 71; Iot Car ; 2.25; 7700;occ; 79; 0;40860
23; 6704.7; 23-DEC-2009 15:25:15; Dark ; 51.0; 41; Eps Car ; 1.86; 4100;occ; 102; 0;40860
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26; 7159.1; 23-DEC-2009 15:32:50; Dark ; 49.0; 117; Pi Pup ; 2.71; 3800;occ; 98; 0;40860

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13; 3954.3; 23-DEC-2009 16:20:01; Bright; 65.0; 32; 77Eps UMa ; 1.76; 11000;occ; 130; 0;40861
14; 4128.1; 23-DEC-2009 16:22:55; Bright; 44.5; 39; 85Eta UMa ; 1.85; 24000;occ; 89; 0;40861
15; 4347.2; 23-DEC-2009 16:26:34; Bright; 46.5; 180; 27Gam Boo ; 3.04; 8000;occ; 93; 0;40861
16; 4550.6; 23-DEC-2009 16:29:57; Bright; 38.0; 83; ; 2.38; 11000;occ; 76; 0;40861
17; 4769.7; 23-DEC-2009 16:33:36; Bright; 46.5; 111; 8Eta Boo ; 2.68; 6000;occ; 93; 0;40861
18; 5419.9; 23-DEC-2009 16:44:27; Dark ; 56.0; 15; 67Alp Vir ; 0.98; 28000;occ; 112; 0;40861
19; 5690.8; 23-DEC-2009 16:48:57; Dark ; 43.5; 54; 5The Cen ; 2.06; 4500;occ; 87; 0;40861
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22; 6138.6; 23-DEC-2009 16:56:25; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40861
23; 6404.9; 23-DEC-2009 17:00:52; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40861
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25; 6705.3; 23-DEC-2009 17:05:52; Dark ; 47.0; 41; Eps Car ; 1.86; 4100;occ; 94; 0;40861
26; 6885.5; 23-DEC-2009 17:08:52; Dark ; 48.0; 34; Gam2Vel ; 1.79; 23000;occ; 96; 0;40861
27; 7016.6; 23-DEC-2009 17:11:03; Dark ; 49.0; 70; Zet Pup ; 2.25; 39000;occ; 98; 0;40861
28; 7160.0; 23-DEC-2009 17:13:27; Dark ; 3.0; 117; Pi Pup ; 2.71; 3800;occ; 6; 0;40861

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4; 1404.4; 23-DEC-2009 17:18:07; Dark ; 50.0; 179; 240mi2CMa ; 3.03; 24000;occ; 100; 0;40862
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11; 2607.5; 23-DEC-2009 17:38:10; Bright; 42.5; 107; 37The Aur ; 2.65; 11000;occ; 85; 0;40862
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13; 3700.4; 23-DEC-2009 17:56:23; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;40862
14; 3954.0; 23-DEC-2009 18:00:37; Bright; 46.5; 32; 77Eps UMa ; 1.76; 11000;occ; 93; 0;40862
15; 4128.0; 23-DEC-2009 18:03:31; Bright; 42.5; 39; 85Eta UMa ; 1.85; 24000;occ; 85; 0;40862
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 21; 5822.3; 23-DEC-2009 18:31:45; Dark ; 30.0; 106; 9Bet Crv ; 2.65; 5600;occ; 60; 0;40862
 22; 6051.6; 23-DEC-2009 18:35:34; Dark ; 42.5; 64; Gam Cen ; 2.20; 10600;occ; 85; 0;40862
 23; 6139.5; 23-DEC-2009 18:37:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40862
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 27; 6886.0; 23-DEC-2009 18:49:29; Dark ; 47.5; 34; Gam2Vel ; 1.79; 23000;occ; 95; 0;40862

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 3; 1124.5; 23-DEC-2009 18:54:03; Dark ; 49.5; 117; Pi Pup ; 2.71; 3800;occ; 99; 0;40863
 4; 1305.3; 23-DEC-2009 18:57:04; Dark ; 49.5; 23; 21Eps CMA ; 1.50; 26000;occ; 99; 0;40863
 5; 1404.8; 23-DEC-2009 18:58:43; Dark ; 48.5; 179; 240mi2CMA ; 3.03; 24000;occ; 97; 0;40863
 6; 1567.7; 23-DEC-2009 19:01:26; Dark ; 53.5; 1; 9Alp CMA ;-1.44; 11000;occ; 107; 0;40863
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 11; 2414.6; 23-DEC-2009 19:15:33; Bright; 40.5; 28; 12Bet Tau ; 1.65; 15200;occ; 81; 0;40863
 12; 2607.1; 23-DEC-2009 19:18:46; Bright; 42.0; 107; 37The Aur ; 2.65; 11000;occ; 84; 0;40863
 13; 2710.1; 23-DEC-2009 19:20:29; Bright; 43.0; 6; 13Alp Aur ; 0.08; 3400;occ; 86; 0;40863
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 15; 3953.7; 23-DEC-2009 19:41:12; Bright; 47.0; 32; 77Eps UMA ; 1.76; 11000;occ; 94; 0;40863
 16; 4127.8; 23-DEC-2009 19:44:06; Bright; 61.0; 39; 85Eta UMA ; 1.85; 24000;occ; 122; 0;40863
 17; 4347.0; 23-DEC-2009 19:47:46; Bright; 58.0; 180; 27Gam Boo ; 3.04; 8000;occ; 116; 0;40863
 18; 4550.9; 23-DEC-2009 19:51:10; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;40863
 19; 4770.0; 23-DEC-2009 19:54:49; Bright; 66.0; 111; 8Eta Boo ; 2.68; 6000;occ; 132; 0;40863
 20; 5421.9; 23-DEC-2009 20:05:41; Dark ; 58.0; 15; 67Alp Vir ; 0.98; 28000;occ; 116; 0;40863
 21; 5691.8; 23-DEC-2009 20:10:11; Dark ; 49.5; 54; 5The Cen ; 2.06; 4500;occ; 99; 0;40863
 22; 5823.8; 23-DEC-2009 20:12:23; Dark ; 30.0; 106; 9Bet Crv ; 2.65; 5600;occ; 60; 0;40863
 23; 6052.0; 23-DEC-2009 20:16:11; Dark ; 48.0; 64; Gam Cen ; 2.20; 10600;occ; 96; 0;40863
 24; 6140.3; 23-DEC-2009 20:17:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40863
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 27; 6706.2; 23-DEC-2009 20:27:05; Dark ; 55.5; 41; Eps Car ; 1.86; 4100;occ; 111; 0;40863
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 4; 18.5; 24-DEC-2009 01:18:01; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;40867
 5; 107.0; 24-DEC-2009 01:19:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40867
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 13; 1405.7; 24-DEC-2009 01:41:08; Dark ; 47.0; 179; 240mi2CMA ; 3.03; 24000;occ; 94; 0;40867
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 17; 2045.7; 24-DEC-2009 01:51:48; Dark ; 53.5; 14; 58Alp Ori ; 0.87; 3000;occ; 107; 0;40867
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 19; 2413.3; 24-DEC-2009 01:57:56; Bright; 42.5; 28; 12Bet Tau ; 1.65; 15200;occ; 85; 0;40867
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 22; 3699.8; 24-DEC-2009 02:19:22; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;40867
 23; 3952.3; 24-DEC-2009 02:23:35; Bright; 47.0; 32; 77Eps UMA ; 1.76; 11000;occ; 94; 0;40867
 24; 4127.1; 24-DEC-2009 02:26:29; Bright; 53.5; 39; 85Eta UMA ; 1.85; 24000;occ; 107; 0;40867

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 3;-1483.9; 24-DEC-2009 02:33:34; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;40867

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7; -223.9; 24-DEC-2009 02:54:34; Dark ; 42.5; 123; Iot Cen ; 2.75; 10200;occ; 85; 0;40867
8; 19.2; 24-DEC-2009 02:58:37; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;40868
9; 107.9; 24-DEC-2009 03:00:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40868
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11; 566.9; 24-DEC-2009 03:07:45; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;40868
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17; 1406.1; 24-DEC-2009 03:21:44; Dark ; 49.5; 179; 240mi2CMa ; 3.03; 24000;occ; 99; 0;40868
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19; 1757.4; 24-DEC-2009 03:27:36; Dark ; 45.5; 7; 19Bet Ori ; 0.10; 14000;occ; 91; 0;40868
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21; 2045.8; 24-DEC-2009 03:32:24; Dark ; 56.5; 14; 58Alp Ori ; 0.87; 3000;occ; 113; 0;40868
22; 2288.7; 24-DEC-2009 03:36:27; Bright; 41.5; 176; 23Zet Tau ; 3.02; 22000;occ; 83; 0;40868
23; 2413.4; 24-DEC-2009 03:38:32; Bright; 40.5; 28; 12Bet Tau ; 1.65; 15200;occ; 81; 0;40868
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25; 2709.1; 24-DEC-2009 03:43:27; Bright; 42.0; 6; 13Alp Aur ; 0.08; 3400;occ; 84; 0;40868

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3; -1908.7; 24-DEC-2009 04:07:05; Bright; 61.0; 39; 85Eta UMa ; 1.85; 24000;occ; 122; 0;40868
4; -1688.7; 24-DEC-2009 04:10:45; Bright; 58.0; 180; 27Gam Boo ; 3.04; 8000;occ; 116; 0;40868
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10; 3941.4; 26-DEC-2009 11:23:45; Bright; 46.5; 32; 77Eps UMa ; 1.76; 11000;occ; 93; 0;40901
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12; 4349.2; 26-DEC-2009 11:30:33; Bright; 59.0; 180; 27Gam Boo ; 3.04; 8000;occ; 118; 0;40901
13; 4558.2; 26-DEC-2009 11:34:02; Bright; 58.0; 83; ; 2.38; 11000;occ; 116; 0;40901
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 22; 6444.1; 26-DEC-2009 17:07:16; Dark ; 47.0; 113; Mu Vel ; 2.69; 5000;occ; 94; 0;40904
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7;	2040.0;	26-DEC-2009	17:34:28;	Dark	;	49.5;	14;	58Alp Ori	;	0.87;	3000;	occ;	99;	0;	40905
8;	2260.4;	26-DEC-2009	17:38:08;	Dark	;	52.5;	44;	24Gam Gem	;	1.93;	11000;	occ;	105;	0;	40905
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23;	6177.5;	26-DEC-2009	18:43:25;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	40905
24;	6444.9;	26-DEC-2009	18:47:53;	Dark	;	47.5;	113;	Mu Vel	;	2.69;	5000;	occ;	95;	0;	40905
25;	6624.8;	26-DEC-2009	18:50:53;	Dark	;	47.0;	71;	Iot Car	;	2.25;	7700;	occ;	94;	0;	40905
26;	6726.9;	26-DEC-2009	18:52:35;	Dark	;	52.5;	41;	Eps Car	;	1.86;	4100;	occ;	105;	0;	40905
27;	6911.5;	26-DEC-2009	18:55:39;	Dark	;	47.0;	34;	Gam2Vel	;	1.79;	23000;	occ;	94;	0;	40905
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3;	1319.0;	26-DEC-2009	19:03:03;	Dark	;	48.0;	23;	21Eps CMa	;	1.50;	26000;	occ;	96;	0;	40906
4;	1415.9;	26-DEC-2009	19:04:40;	Dark	;	46.5;	179;	240mi2CMa	;	3.03;	24000;	occ;	93;	0;	40906
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6;	1724.9;	26-DEC-2009	19:09:49;	Dark	;	45.0;	56;	53Kap Ori	;	2.07;	30000;	occ;	90;	0;	40906
7;	1878.8;	26-DEC-2009	19:12:23;	Dark	;	44.5;	30;	46Eps Ori	;	1.69;	30000;	occ;	89;	0;	40906
8;	2039.8;	26-DEC-2009	19:15:04;	Dark	;	51.5;	14;	58Alp Ori	;	0.87;	3000;	occ;	103;	0;	40906
9;	2259.7;	26-DEC-2009	19:18:44;	Dark	;	63.0;	44;	24Gam Gem	;	1.93;	11000;	occ;	126;	0;	40906
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11;	2590.0;	26-DEC-2009	19:24:14;	Bright;		40.0;	107;	37The Aur	;	2.65;	11000;	occ;	80;	0;	40906
12;	2701.7;	26-DEC-2009	19:26:06;	Bright;		43.5;	6;	13Alp Aur	;	0.08;	3400;	occ;	87;	0;	40906
13;	3643.7;	26-DEC-2009	19:41:48;	Bright;		46.0;	36;	50Alp UMa	;	1.80;	6300;	occ;	92;	0;	40906
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17;	4559.5;	26-DEC-2009	19:57:03;	Bright;		39.0;	83;		;	2.38;	11000;	occ;	78;	0;	40906
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22;	5843.9;	26-DEC-2009	20:18:28;	Dark	;	46.0;	123;	Iot Cen	;	2.75;	10200;	occ;	92;	0;	40906
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24;	6178.3;	26-DEC-2009	20:24:02;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	40906
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26;	6625.1;	26-DEC-2009	20:31:29;	Dark	;	42.0;	71;	Iot Car	;	2.25;	7700;	occ;	84;	0;	40906
27;	6727.3;	26-DEC-2009	20:33:11;	Dark	;	53.0;	41;	Eps Car	;	1.86;	4100;	occ;	106;	0;	40906
28;	6912.0;	26-DEC-2009	20:36:16;	Dark	;	21.0;	34;	Gam2Vel	;	1.79;	23000;	occ;	42;	0;	40906

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5;	-1246.0;	27-DEC-2009	02:43:17;	Bright;		48.0;	111;	8Eta Boo	;	2.68;	6000;	occ;	96;	0;	40910
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9;	-188.4;	27-DEC-2009	03:00:55;	Dark	;	43.5;	123;	Iot Cen	;	2.75;	10200;	occ;	87;	0;	40910


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 9; 2230.6; 31-DEC-2009 18:20:46; Dark ; 54.0; 44; 24Gam Gem ; 1.93; 11000;occ; 108; 0;40977
10; 2328.6; 31-DEC-2009 18:22:24; Bright; 50.5; 151; 13Mu Gem ; 2.89; 3000;occ; 101; 0;40977
11; 2407.5; 31-DEC-2009 18:23:43; Bright; 47.0; 170; 27Eps Gem ; 3.00; 9700;occ; 94; 0;40977
12; 2568.1; 31-DEC-2009 18:26:23; Bright; 47.5; 107; 37The Aur ; 2.65; 11000;occ; 95; 0;40977
13; 2692.8; 31-DEC-2009 18:28:28; Bright; 41.0; 6; 13Alp Aur ; 0.08; 3400;occ; 82; 0;40977
14; 3691.4; 31-DEC-2009 18:45:06; Bright; 47.0; 60; 7Bet UMi ; 2.08; 3950;occ; 94; 0;40977
15; 3913.1; 31-DEC-2009 18:48:48; Bright; 49.5; 32; 77Eps UMa ; 1.76; 11000;occ; 99; 0;40977
16; 4109.5; 31-DEC-2009 18:52:05; Bright; 49.0; 39; 85Eta UMa ; 1.85; 24000;occ; 98; 0;40977
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