

GOMOS Daily Report 10-JUL-2008

Level 0 and Level 1 products

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This report presents the daily analysis on parameters extracted from GOMOS level 1b data (GOM_TRA_1P). It is intended to monitor some important parameters that will impact the quality of the level 2 products as the Spectrometers and Photometers CCD Temperatures and Dark Charge, SATU noise equivalent angle... A list of level 0 products (and content) that have arrived during the actual month to the PCF is also given.

Item	Value
Time of report generation	12JUL2008 05:32:29
Data source version	GOMOS/5.00
Start time of products	QDS_YESTERDAY(/START)-1D (10JUL2008 00:00:00)
Stop time of products	QDS_YESTERDAY(/STOP)-1D (11JUL2008 00:00:00)
Store outputs in DB	Yes
Nb of level 1b prods	49
Nb of prods with errors	0

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

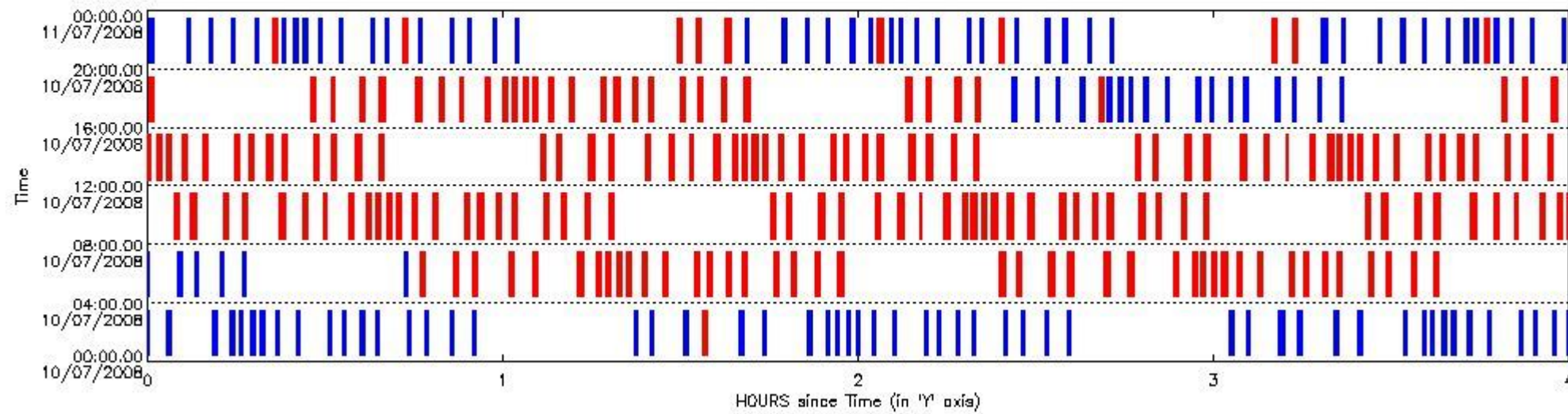
2.1 Level 0 products arrived in PCF (see template [here](#))

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
10-JUL-2008 01:33:32	The1Eri	157	33251
10-JUL-2008 04:45:58	34GamEri	165	33253
10-JUL-2008 04:51:28	DSA1061	0	33253
10-JUL-2008 04:54:45	The1Eri	157	33253
10-JUL-2008 05:00:56	AlpEri	9	33254
10-JUL-2008 05:04:55	BetHyi	135	33254
10-JUL-2008 05:12:34	AlpPav	45	33254
10-JUL-2008 05:15:42	BetAra	141	33254
10-JUL-2008 05:17:13	AlpAra	147	33254
10-JUL-2008 05:19:03	TheSco	40	33254
10-JUL-2008 05:20:43	35LamSco	25	33254
10-JUL-2008 05:23:22	22LamSgr	137	33254
10-JUL-2008 05:26:52	35EtaOph	86	33254
10-JUL-2008 05:32:14	60BetOph	126	33254
10-JUL-2008 05:34:31	55AlpOph	59	33254

10-JUL-2008 05:37:39	27BetHer	127	33254
10-JUL-2008 05:40:14	40ZetHer	133	33254
10-JUL-2008 05:45:36	33GamDra	69	33254
10-JUL-2008 05:48:31	14EtaDra	119	33254
10-JUL-2008 05:52:41	7BetUMi	60	33254
10-JUL-2008 05:56:31	1AlpUMi	49	33254
10-JUL-2008 06:23:51	19BetOri	7	33254
10-JUL-2008 06:26:35	34GamEri	165	33254
10-JUL-2008 06:32:04	DSA1061	0	33254
10-JUL-2008 06:35:21	The1Eri	157	33254
10-JUL-2008 06:41:33	AlpEri	9	33255
10-JUL-2008 06:45:31	BetHyi	135	33255
10-JUL-2008 06:53:11	AlpPav	45	33255
10-JUL-2008 06:56:18	BetAra	141	33255
10-JUL-2008 06:57:49	AlpAra	147	33255
10-JUL-2008 06:59:39	TheSco	40	33255
10-JUL-2008 07:01:19	35LamSco	25	33255
10-JUL-2008 07:03:58	22LamSgr	137	33255
10-JUL-2008 07:07:28	35EtaOph	86	33255
10-JUL-2008 07:12:50	60BetOph	126	33255
10-JUL-2008 07:15:07	55AlpOph	59	33255
10-JUL-2008 07:18:15	27BetHer	127	33255
10-JUL-2008 07:20:50	40ZetHer	133	33255
10-JUL-2008 07:26:12	33GamDra	69	33255
10-JUL-2008 07:29:07	14EtaDra	119	33255
10-JUL-2008 07:33:17	7BetUMi	60	33255
10-JUL-2008 07:37:07	1AlpUMi	49	33255
10-JUL-2008 08:04:27	19BetOri	7	33255
10-JUL-2008 08:07:11	34GamEri	165	33255
10-JUL-2008 08:12:40	DSA1061	0	33255
10-JUL-2008 08:15:58	The1Eri	157	33255
10-JUL-2008 08:22:09	AlpEri	9	33256
10-JUL-2008 08:26:07	BetHyi	135	33256
10-JUL-2008 08:29:43	AlpTuc	148	33256
10-JUL-2008 08:33:47	AlpPav	45	33256
10-JUL-2008 08:36:54	BetAra	141	33256
10-JUL-2008 08:38:25	AlpAra	147	33256
10-JUL-2008 08:40:16	TheSco	40	33256
10-JUL-2008 08:41:55	35LamSco	25	33256
10-JUL-2008 08:44:34	22LamSgr	137	33256
10-JUL-2008 08:48:05	35EtaOph	86	33256
10-JUL-2008 08:53:26	60BetOph	126	33256
10-JUL-2008 08:55:43	55AlpOph	59	33256
10-JUL-2008 08:58:52	27BetHer	127	33256
10-JUL-2008 09:01:26	40ZetHer	133	33256
10-JUL-2008 09:06:48	33GamDra	69	33256
10-JUL-2008 09:09:43	14EtaDra	119	33256
10-JUL-2008 09:13:53	7BetUMi	60	33256
10-JUL-2008 09:17:43	1AlpUMi	49	33256
10-JUL-2008 09:45:03	19BetOri	7	33256
10-JUL-2008 09:47:47	34GamEri	165	33256
10-JUL-2008 09:53:17	DSA1061	0	33256
10-JUL-2008 09:56:34	The1Eri	157	33256
10-JUL-2008 10:02:46	AlpEri	9	33257
10-JUL-2008 10:06:44	BetHyi	135	33257
10-JUL-2008 10:10:20	AlpTuc	148	33257
10-JUL-2008 10:14:23	AlpPav	45	33257
10-JUL-2008 10:17:30	BetAra	141	33257
10-JUL-2008 10:19:01	AlpAra	147	33257

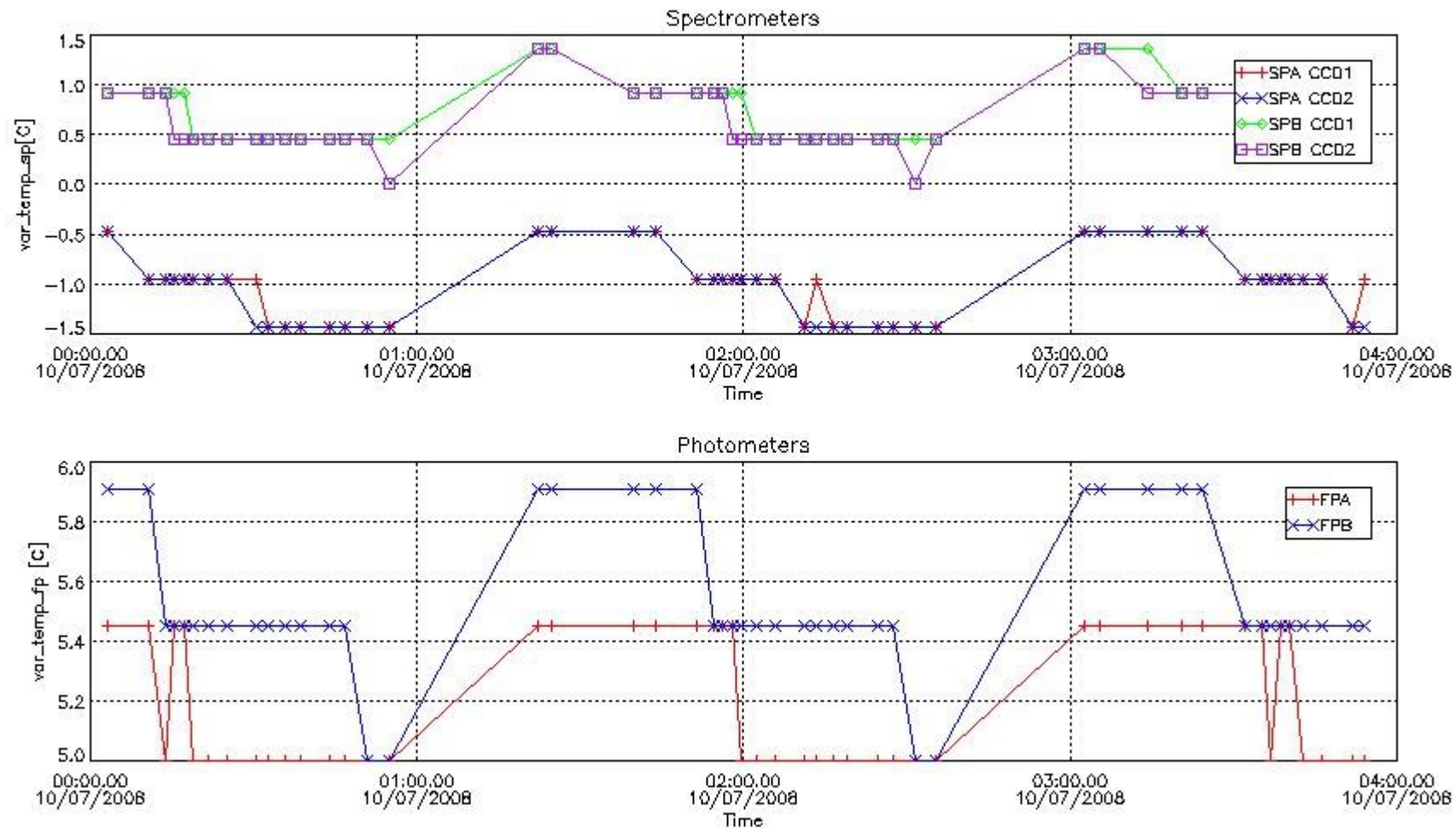
10-JUL-2008 10:20:52	TheSco	40	33257
10-JUL-2008 10:22:31	35LamSco	25	33257
10-JUL-2008 10:25:10	22LamSgr	137	33257
10-JUL-2008 10:28:41	35EtaOph	86	33257
10-JUL-2008 10:34:02	60BetOph	126	33257
10-JUL-2008 10:36:19	55AlpOph	59	33257
10-JUL-2008 10:39:28	27BetHer	127	33257
10-JUL-2008 10:42:02	40ZetHer	133	33257
10-JUL-2008 10:47:24	33GamDra	69	33257
10-JUL-2008 10:50:19	14EtaDra	119	33257
10-JUL-2008 10:54:29	7BetUMi	60	33257
10-JUL-2008 10:58:19	1AlpUMi	49	33257
10-JUL-2008 11:25:39	19BetOri	7	33257
10-JUL-2008 11:28:24	34GamEri	165	33257
10-JUL-2008 11:33:53	DSA1061	0	33257
10-JUL-2008 11:37:11	The1Eri	157	33257
10-JUL-2008 11:43:22	AlpEri	9	33258
10-JUL-2008 11:47:20	BetHyi	135	33258
10-JUL-2008 11:50:56	AlpTuc	148	33258
10-JUL-2008 11:55:00	AlpPav	45	33258
10-JUL-2008 11:58:06	BetAra	141	33258
10-JUL-2008 11:59:37	AlpAra	147	33258
10-JUL-2008 12:01:28	TheSco	40	33258
10-JUL-2008 12:03:07	35LamSco	25	33258
10-JUL-2008 12:05:46	22LamSgr	137	33258
10-JUL-2008 12:09:17	35EtaOph	86	33258
10-JUL-2008 12:14:38	60BetOph	126	33258
10-JUL-2008 12:16:55	55AlpOph	59	33258
10-JUL-2008 12:20:04	27BetHer	127	33258
10-JUL-2008 12:22:38	40ZetHer	133	33258
10-JUL-2008 12:28:00	33GamDra	69	33258
10-JUL-2008 12:30:55	14EtaDra	119	33258
10-JUL-2008 12:35:06	7BetUMi	60	33258
10-JUL-2008 12:38:55	1AlpUMi	49	33258
10-JUL-2008 13:06:15	19BetOri	7	33258
10-JUL-2008 13:09:00	34GamEri	165	33258
10-JUL-2008 13:14:29	DSA1061	0	33258
10-JUL-2008 13:17:47	The1Eri	157	33258
10-JUL-2008 13:23:59	AlpEri	9	33259
10-JUL-2008 13:27:56	BetHyi	135	33259
10-JUL-2008 13:31:33	AlpTuc	148	33259
10-JUL-2008 13:35:36	AlpPav	45	33259
10-JUL-2008 13:38:42	BetAra	141	33259
10-JUL-2008 13:40:13	AlpAra	147	33259
10-JUL-2008 13:42:04	TheSco	40	33259
10-JUL-2008 13:43:44	35LamSco	25	33259
10-JUL-2008 13:46:22	22LamSgr	137	33259
10-JUL-2008 13:49:53	35EtaOph	86	33259
10-JUL-2008 13:55:14	60BetOph	126	33259
10-JUL-2008 13:57:31	55AlpOph	59	33259
10-JUL-2008 14:00:40	27BetHer	127	33259
10-JUL-2008 14:03:15	40ZetHer	133	33259
10-JUL-2008 14:08:35	33GamDra	69	33259
10-JUL-2008 14:11:31	14EtaDra	119	33259
10-JUL-2008 14:15:42	7BetUMi	60	33259
10-JUL-2008 14:19:31	1AlpUMi	49	33259
10-JUL-2008 14:46:52	19BetOri	7	33259
10-JUL-2008 14:49:36	34GamEri	165	33259
10-JUL-2008 14:55:05	DSA1061	0	33259

10-JUL-2008 14:58:24	The1Eri	157	33259
10-JUL-2008 15:04:35	AlpEri	9	33260
10-JUL-2008 15:08:32	BetHyi	135	33260
10-JUL-2008 15:12:09	AlpTuc	148	33260
10-JUL-2008 15:16:12	AlpPav	45	33260
10-JUL-2008 15:19:18	BetAra	141	33260
10-JUL-2008 15:20:49	AlpAra	147	33260
10-JUL-2008 15:22:40	TheSco	40	33260
10-JUL-2008 15:24:20	35LamSco	25	33260
10-JUL-2008 15:26:59	22LamSgr	137	33260
10-JUL-2008 15:30:29	35EtaOph	86	33260
10-JUL-2008 15:35:50	60BetOph	126	33260
10-JUL-2008 15:38:07	55AlpOph	59	33260
10-JUL-2008 15:41:16	27BetHer	127	33260
10-JUL-2008 15:43:51	40ZetHer	133	33260
10-JUL-2008 15:49:11	33GamDra	69	33260
10-JUL-2008 15:52:07	14EtaDra	119	33260
10-JUL-2008 15:56:18	7BetUMi	60	33260
10-JUL-2008 16:00:07	1AlpUMi	49	33260
10-JUL-2008 16:27:28	19BetOri	7	33260
10-JUL-2008 16:30:51	9BetLep	139	33260
10-JUL-2008 16:35:42	DSA1061	0	33260
10-JUL-2008 16:39:00	The1Eri	157	33260
10-JUL-2008 16:45:12	AlpEri	9	33261
10-JUL-2008 16:49:08	BetHyi	135	33261
10-JUL-2008 16:52:46	AlpTuc	148	33261
10-JUL-2008 16:56:49	AlpPav	45	33261
10-JUL-2008 16:59:54	BetAra	141	33261
10-JUL-2008 17:01:25	AlpAra	147	33261
10-JUL-2008 17:03:16	TheSco	40	33261
10-JUL-2008 17:04:56	35LamSco	25	33261
10-JUL-2008 17:07:35	22LamSgr	137	33261
10-JUL-2008 17:11:05	35EtaOph	86	33261
10-JUL-2008 17:16:26	60BetOph	126	33261
10-JUL-2008 17:18:43	55AlpOph	59	33261
10-JUL-2008 17:21:53	27BetHer	127	33261
10-JUL-2008 17:24:27	40ZetHer	133	33261
10-JUL-2008 17:29:47	33GamDra	69	33261
10-JUL-2008 17:32:43	14EtaDra	119	33261
10-JUL-2008 17:36:54	7BetUMi	60	33261
10-JUL-2008 17:40:43	1AlpUMi	49	33261
10-JUL-2008 18:08:04	19BetOri	7	33261
10-JUL-2008 18:11:27	9BetLep	139	33261
10-JUL-2008 18:16:18	DSA1061	0	33261
10-JUL-2008 18:19:37	The1Eri	157	33261
10-JUL-2008 18:40:30	BetAra	141	33262
10-JUL-2008 19:48:40	19BetOri	7	33262
10-JUL-2008 19:52:03	9BetLep	139	33262
10-JUL-2008 19:56:54	DSA1061	0	33262
10-JUL-2008 20:21:06	BetAra	141	33263
10-JUL-2008 20:43:05	27BetHer	127	33263
10-JUL-2008 21:29:16	19BetOri	7	33263
10-JUL-2008 21:32:39	9BetLep	139	33263
10-JUL-2008 21:37:31	DSA1061	0	33263
10-JUL-2008 22:03:13	AlpAra	147	33264
10-JUL-2008 22:23:41	27BetHer	127	33264
10-JUL-2008 23:09:52	19BetOri	7	33264
10-JUL-2008 23:13:15	9BetLep	139	33264
10-JUL-2008 23:45:40	TheSco	40	33265

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_1PNPDE20080710_000310_000000382070_00131_33251_9058.N1	10-JUL-2008 00:03:10	Dark	37.500	135	Bet Hyi	2.8200	5800.0	75	33251	No
2	GOM_TRA_1PNPDE20080710_001048_000000452070_00131_33251_9059.N1	10-JUL-2008 00:10:48	Straylight	44.500	45	Alp Pav	1.9400	26000.	89	33251	No
3	GOM_TRA_1PNPDE20080710_001357_000000412070_00131_33251_9060.N1	10-JUL-2008 00:13:57	Straylight	40.500	141	Bet Ara	2.8400	4600.0	81	33251	No
4	GOM_TRA_1PNPDE20080710_001527_000000382070_00131_33251_9061.N1	10-JUL-2008 00:15:27	Twilight	37.500	147	Alp Ara	2.8770	26000.	75	33251	No
5	GOM_TRA_1PNPDE20080710_001718_000000412070_00131_33251_9062.N1	10-JUL-2008 00:17:18	Twilight	41.000	40	The Sco	1.8590	7100.0	82	33251	No
6	GOM_TRA_1PNPDE20080710_001858_000000422070_00131_33251_9063.N1	10-JUL-2008 00:18:58	Twilight	41.500	25	35Lam Sco	1.6200	28000.	83	33251	No
7	GOM_TRA_1PNPDE20080710_002137_000000392070_00131_33251_9064.N1	10-JUL-2008 00:21:37	Bright	38.500	137	22Lam Sgr	2.8240	4400.0	77	33251	No
8	GOM_TRA_1PNPDE20080710_002507_000000362070_00131_33251_9065.N1	10-JUL-2008 00:25:07	Bright	36.000	86	35Eta Oph	2.4300	10200.	72	33251	No
9	GOM_TRA_1PNPDE20080710_003029_000000362070_00131_33251_9066.N1	10-JUL-2008 00:30:29	Bright	36.000	126	60Bet Oph	2.7700	4250.0	72	33251	No
10	GOM_TRA_1PNPDE20080710_003246_000000342070_00131_33251_9067.N1	10-JUL-2008 00:32:46	Bright	34.000	59	55Alp Oph	2.0800	8900.0	68	33251	No
11	GOM_TRA_1PNPDE20080710_003554_000000352070_00131_33251_9068.N1	10-JUL-2008 00:35:54	Bright	34.500	127	27Bet Her	2.7810	4700.0	69	33251	No
12	GOM_TRA_1PNPDE20080710_003829_000000352070_00131_33251_9069.N1	10-JUL-2008 00:38:29	Bright	34.500	133	40Zet Her	2.8070	6000.0	69	33251	No
13	GOM_TRA_1PNPDE20080710_004352_000000362070_00131_33251_9070.N1	10-JUL-2008 00:43:52	Bright	35.500	69	33Gam Dra	2.2310	3800.0	71	33251	No
14	GOM_TRA_1PNPDE20080710_004646_000000372070_00131_33251_9071.N1	10-JUL-2008 00:46:46	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	33251	No
15	GOM_TRA_1PNPDE20080710_005056_000000332070_00131_33251_9072.N1	10-JUL-2008 00:50:56	Bright	32.500	60	7Bet UMi	2.0810	3950.0	65	33251	No
16	GOM_TRA_1PNPDE20080710_005447_000000362070_00131_33251_9073.N1	10-JUL-2008 00:54:47	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	33251	No
17	GOM_TRA_1PNPDE20080710_012206_000000382070_00131_33251_9074.N1	10-JUL-2008 01:22:06	Dark	37.500	7	19Bet Ori	0.10000	14000.	75	33251	No
18	GOM_TRA_1PNPDE20080710_012449_000000372070_00131_33251_9214.N1	10-JUL-2008 01:24:49	Dark	37.000	165	34Gam Eri	2.9500	3200.0	74	33251	No
19	GOM_TRA_1PNPDE20080710_013946_000000522070_00132_33252_9215.N1	10-JUL-2008 01:39:46	Dark	52.000	9	Alp Eri	0.45300	24000.	104	33252	No
20	GOM_TRA_1PNPDE20080710_014346_000000382070_00132_33252_9216.N1	10-JUL-2008 01:43:46	Dark	37.500	135	Bet Hyi	2.8200	5800.0	75	33252	No
21	GOM_TRA_1PNPDE20080710_015125_000000422070_00132_33252_9217.N1	10-JUL-2008 01:51:25	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	33252	No
22	GOM_TRA_1PNPDE20080710_015432_000000412070_00132_33252_9218.N1	10-JUL-2008 01:54:32	Straylight	40.500	141	Bet Ara	2.8400	4600.0	81	33252	No
23	GOM_TRA_1PNPDE20080710_015603_000000392070_00132_33252_9219.N1	10-JUL-2008 01:56:03	Twilight	38.500	147	Alp Ara	2.8770	26000.	77	33252	No
24	GOM_TRA_1PNPDE20080710_015754_000000402070_00132_33252_9220.N1	10-JUL-2008 01:57:54	Twilight	40.000	40	The Sco	1.8590	7100.0	80	33252	No
25	GOM_TRA_1PNPDE20080710_015934_000000392070_00132_33252_9221.N1	10-JUL-2008 01:59:34	Twilight	38.500	25	35Lam Sco	1.6200	28000.	77	33252	No
26	GOM_TRA_1PNPDE20080710_020213_000000392070_00132_33252_9222.N1	10-JUL-2008 02:02:13	Bright	39.000	137	22Lam Sgr	2.8240	4400.0	78	33252	No
27	GOM_TRA_1PNPDE20080710_020543_000000372070_00132_33252_9223.N1	10-JUL-2008 02:05:43	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	33252	No
28	GOM_TRA_1PNPDE20080710_021105_000000372070_00132_33252_9224.N1	10-JUL-2008 02:11:05	Bright	36.500	126	60Bet Oph	2.7700	4250.0	73	33252	No
29	GOM_TRA_1PNPDE20080710_021322_000000362070_00132_33252_9225.N1	10-JUL-2008 02:13:22	Bright	35.500	59	55Alp Oph	2.0800	8900.0	71	33252	No
30	GOM_TRA_1PNPDE20080710_021630_000000372070_00132_33252_9226.N1	10-JUL-2008 02:16:30	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	33252	No
31	GOM_TRA_1PNPDE20080710_021905_000000372070_00132_33252_9227.N1	10-JUL-2008 02:19:05	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	33252	No
32	GOM_TRA_1PNPDE20080710_022428_000000402070_00132_33252_9228.N1	10-JUL-2008 02:24:28	Bright	39.500	69	33Gam Dra	2.2310	3800.0	79	33252	No
33	GOM_TRA_1PNPDE20080710_022722_000000342070_00132_33252_9229.N1	10-JUL-2008 02:27:22	Bright	34.000	119	14Eta Dra	2.7270	4700.0	68	33252	No
34	GOM_TRA_1PNPDE20080710_023132_000000372070_00132_33252_9230.N1	10-JUL-2008 02:31:32	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	33252	No
35	GOM_TRA_1PNPDE20080710_023523_000000322070_00132_33252_9231.N1	10-JUL-2008 02:35:23	Bright	32.000	49	1Alp UMi	1.9900	6300.0	64	33252	No
36	GOM_TRA_1PNPDE20080710_030242_000000382070_00132_33252_9355.N1	10-JUL-2008 03:02:42	Dark	38.000	7	19Bet Ori	0.10000	14000.	76	33252	No
37	GOM_TRA_1PNPDE20080710_030525_000000422070_00132_33252_9356.N1	10-JUL-2008 03:05:25	Dark	41.500	165	34Gam Eri	2.9500	3200.0	83	33252	No
38	GOM_TRA_1PNPDE20080710_031411_000000402070_00132_33252_9357.N1	10-JUL-2008 03:14:11	Dark	40.000	157	The1Eri	2.9060	9300.0	80	33252	No
39	GOM_TRA_1PNPDE20080710_032023_000000412070_00133_33253_9358.N1	10-JUL-2008 03:20:23	Dark	41.000	9	Alp Eri	0.45300	24000.	82	33253	No
40	GOM_TRA_1PNPDE20080710_032422_000000362070_00133_33253_9359.N1	10-JUL-2008 03:24:22	Dark	36.000	135	Bet Hyi	2.8200	5800.0	72	33253	No
41	GOM_TRA_1PNPDE20080710_033201_000000402070_00133_33253_9360.N1	10-JUL-2008 03:32:01	Straylight	40.000	45	Alp Pav	1.9400	26000.	80	33253	No
42	GOM_TRA_1PNPDE20080710_033509_000000382070_00133_33253_9361.N1	10-JUL-2008 03:35:09	Straylight	37.500	141	Bet Ara	2.8400	4600.0	75	33253	No
43	GOM_TRA_1PNPDE20080710_033640_000000372070_00133_33253_9362.N1	10-JUL-2008 03:36:40	Twilight	37.000	147	Alp Ara	2.8770	26000.	74	33253	No
44	GOM_TRA_1PNPDE20080710_033830_000000402070_00133_33253_9363.N1	10-JUL-2008 03:38:30	Twilight	39.500	40	The Sco	1.8590	7100.0	79	33253	No
45	GOM_TRA_1PNPDE20080710_034010_000000402070_00133_33253_9364.N1	10-JUL-2008 03:40:10	Twilight	39.500	25	35Lam Sco	1.6200	28000.	79	33253	No
46	GOM_TRA_1PNPDE20080710_034249_000000392070_00133_33253_9365.N1	10-JUL-2008 03:42:49	Bright	39.000	137	22Lam Sgr	2.8240	4400.0	78	33253	No
47	GOM_TRA_1PNPDE20080710_034619_000000362070_00133_33253_9366.N1	10-JUL-2008 03:46:19	Bright	36.000	86	35Eta Oph	2.4300	10200.	72	33253	No
48	GOM_TRA_1PNPDE20080710_035141_000000362070_00133_33253_9367.N1	10-JUL-2008 03:51:41	Bright	36.000	126	60Bet Oph	2.7700	4250.0	72	33253	No
49	GOM_TRA_1PNPDE20080710_035358_000000372070_00133_33253_9368.N1	10-JUL-2008 03:53:58	Bright	37.000	59	55Alp Oph	2.0800	8900.0	74	33253	No

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



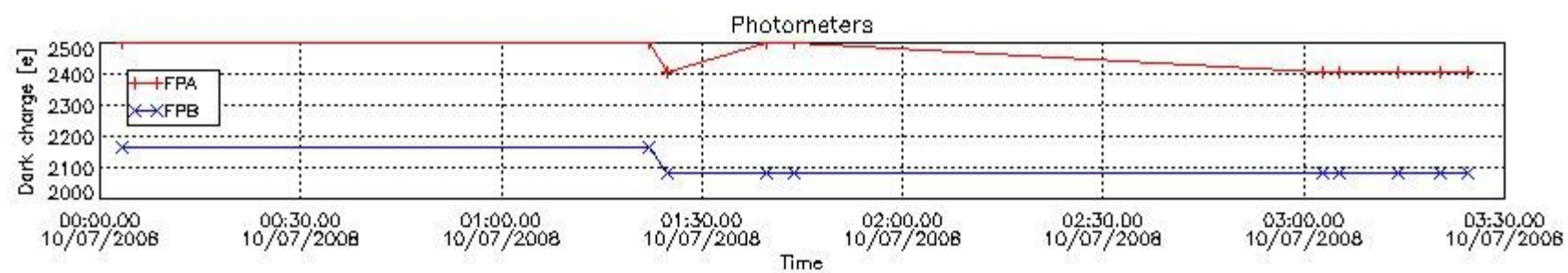
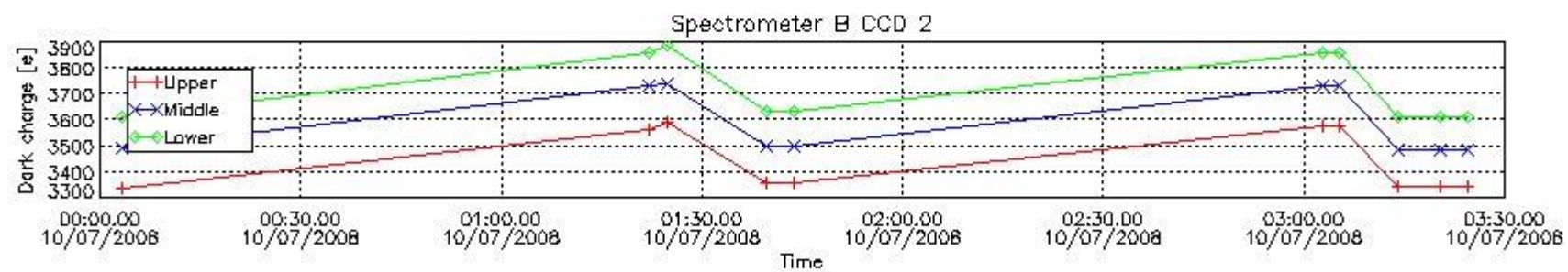
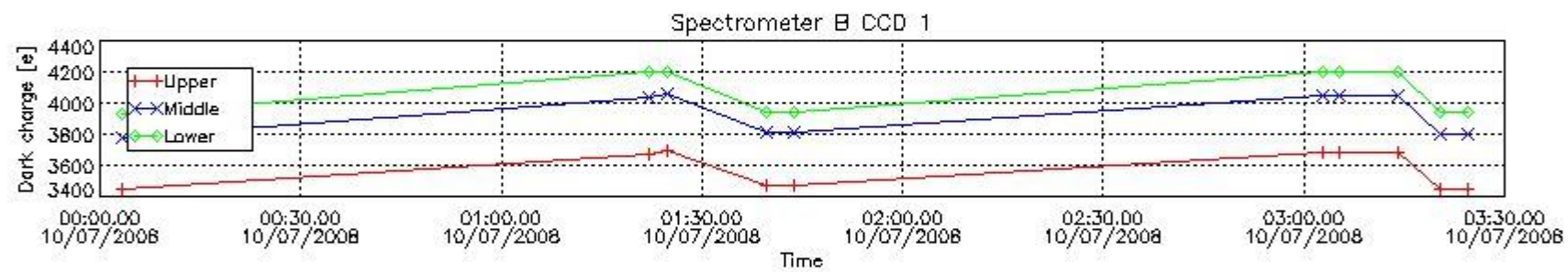
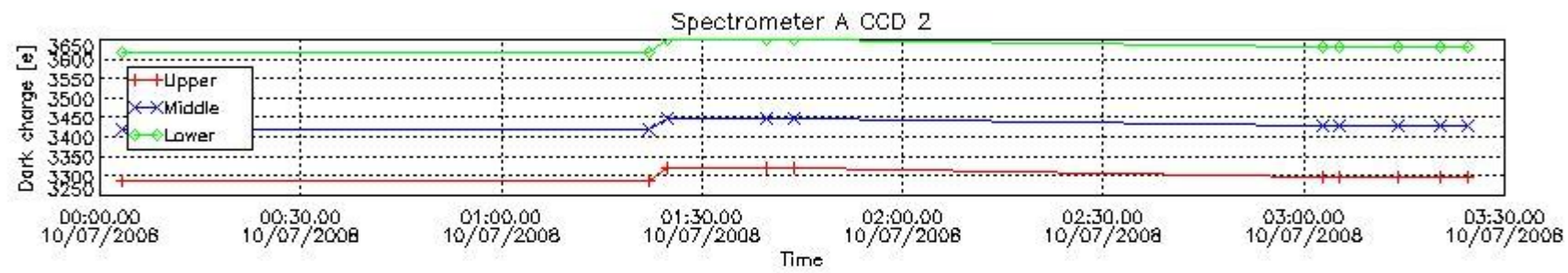
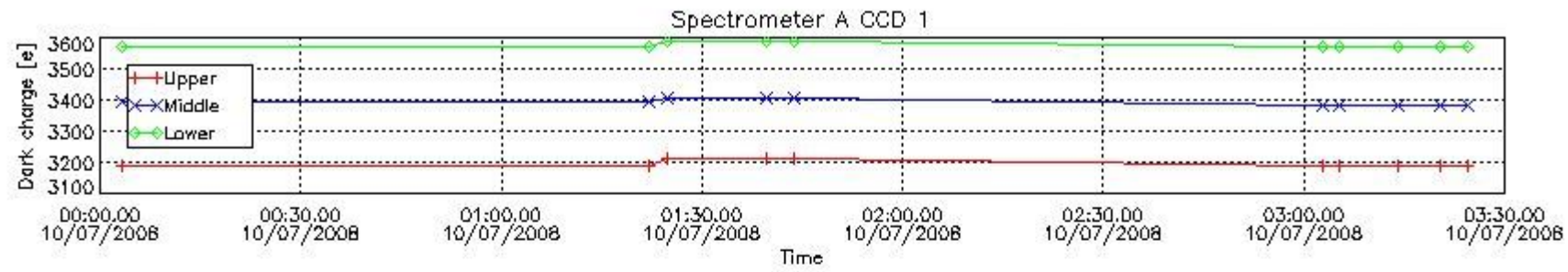
4. Overview of dark signal processing per product

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

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

4.1 All products used the DSA observation for the DC computation

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



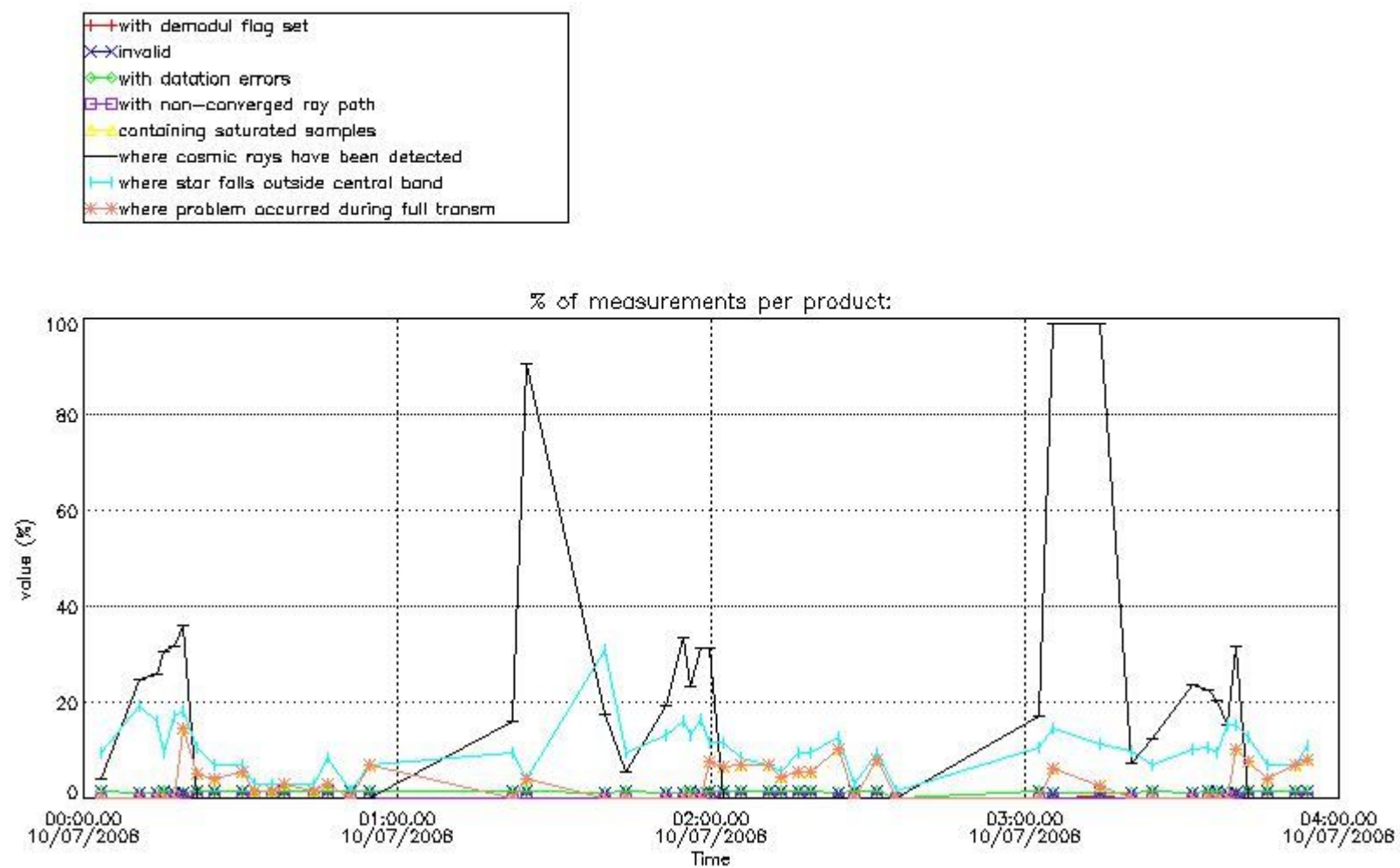
5. Demodulation flag and quality information monitoring

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

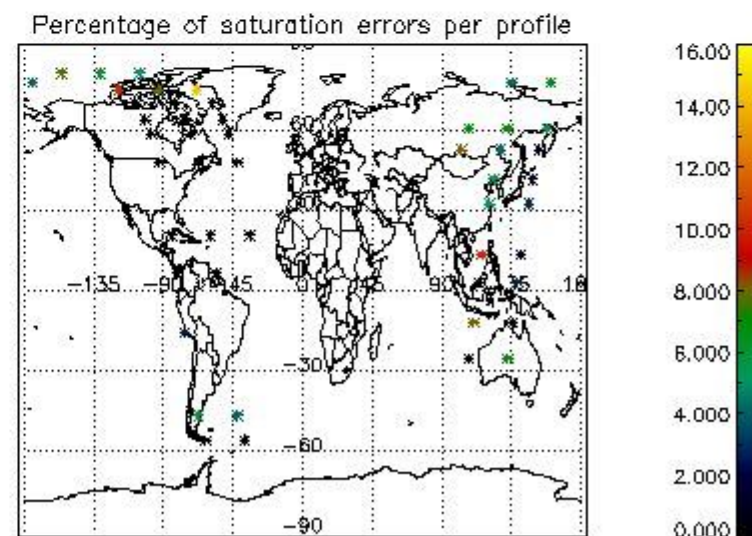
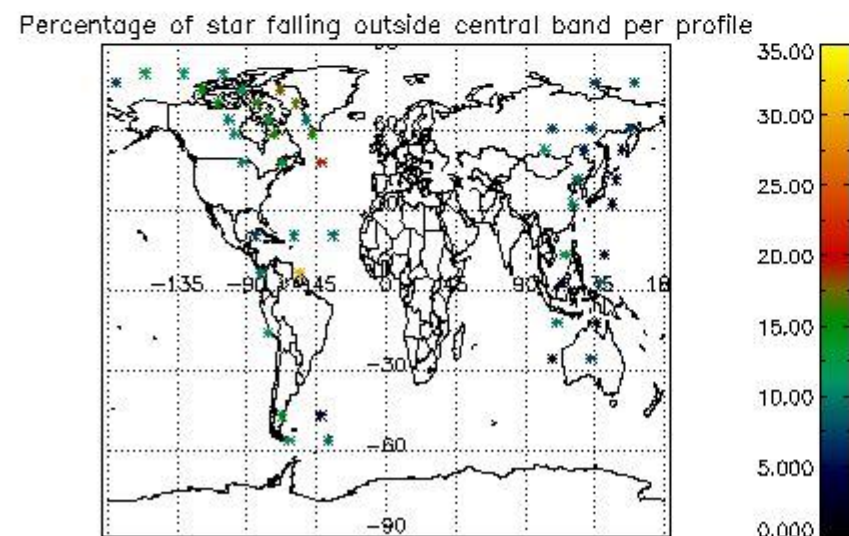
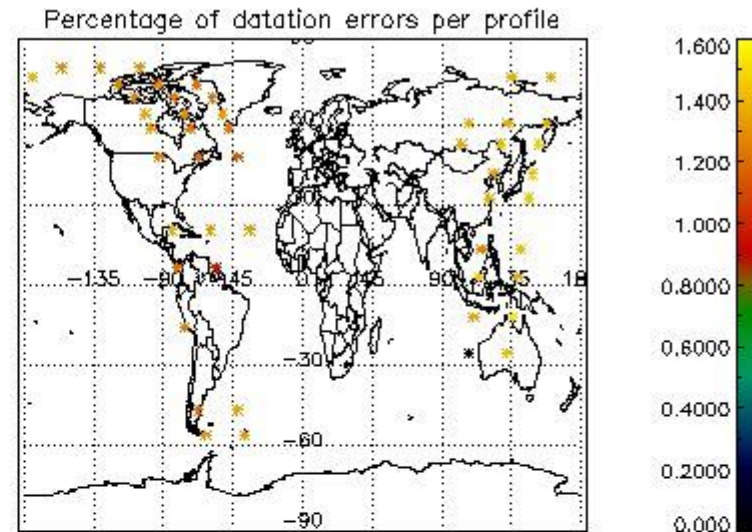
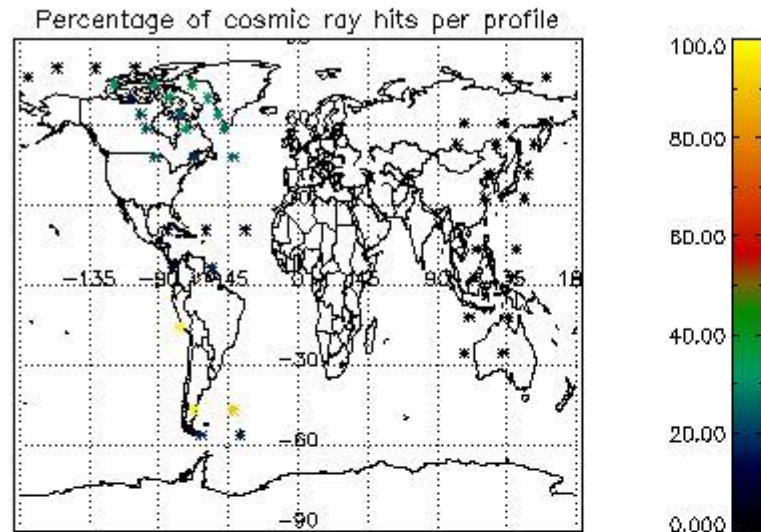
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	24.4898 %
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)



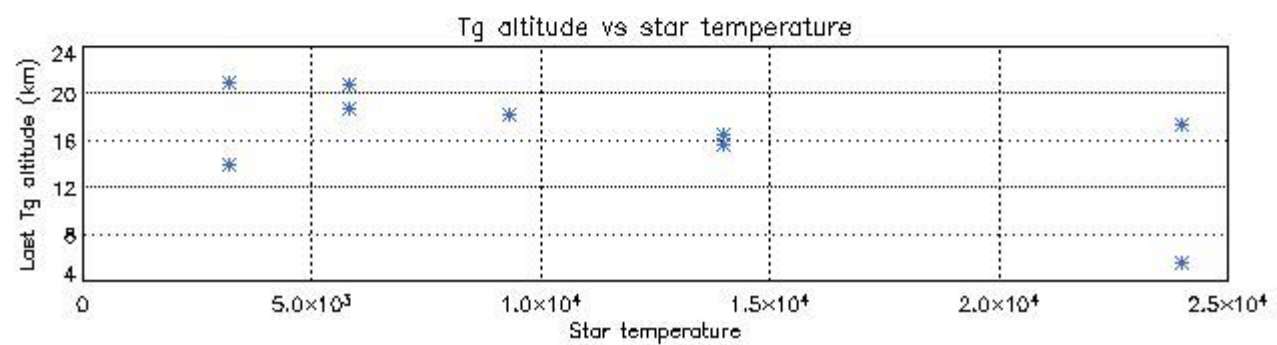
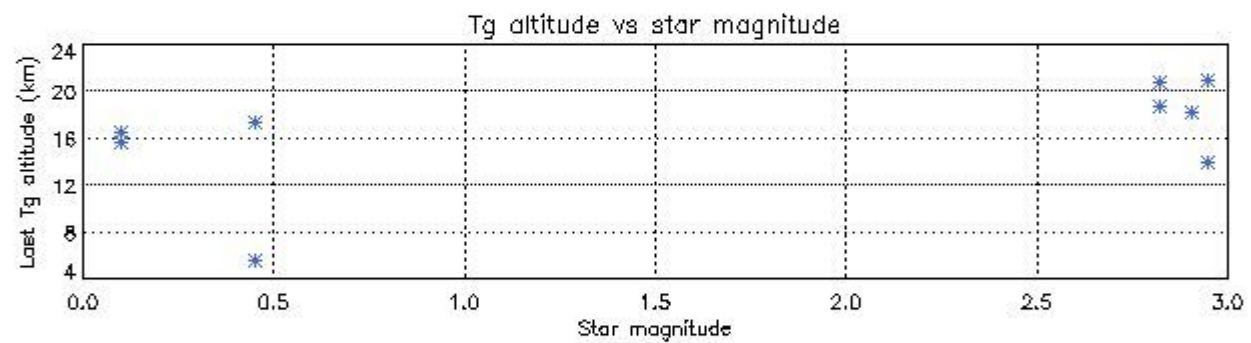
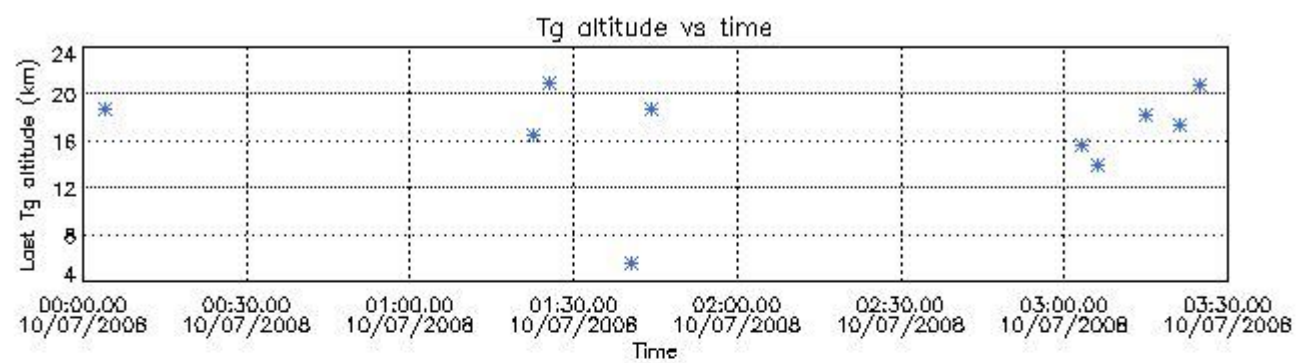
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	16.629	20.850	NaN
St. deviation:	4.4302	3.3741	NaN
Maximum:	20.933	30.055	NaN
Minimum:	5.6163	16.591	NaN
Number of data:	10.000	24.000	NaN

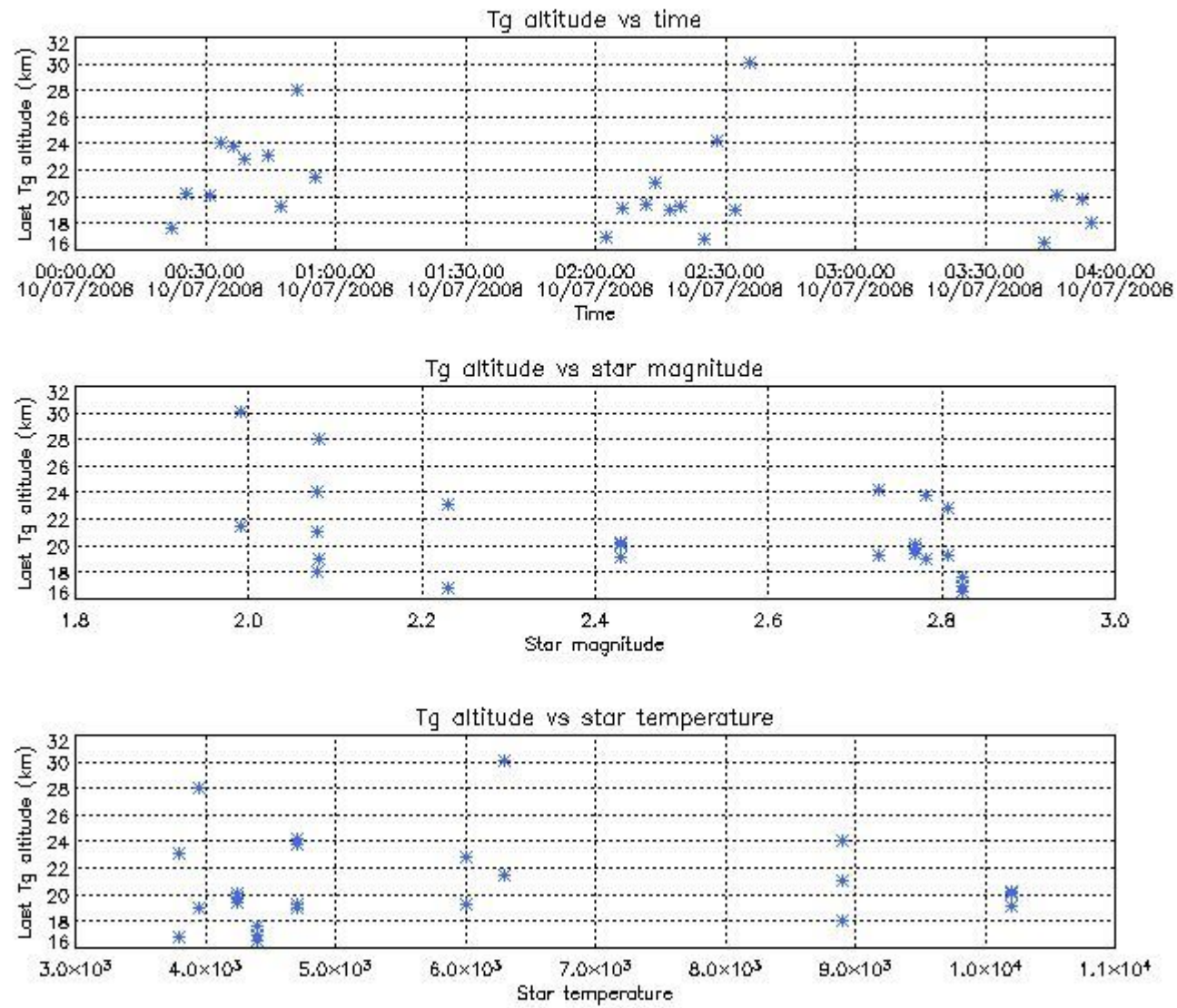
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

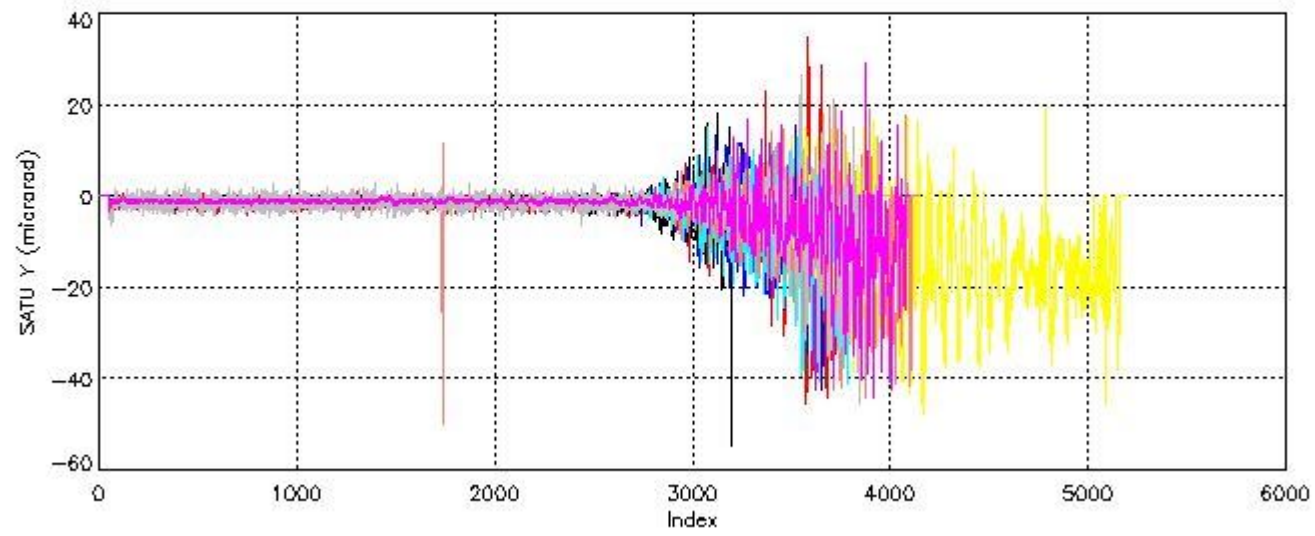
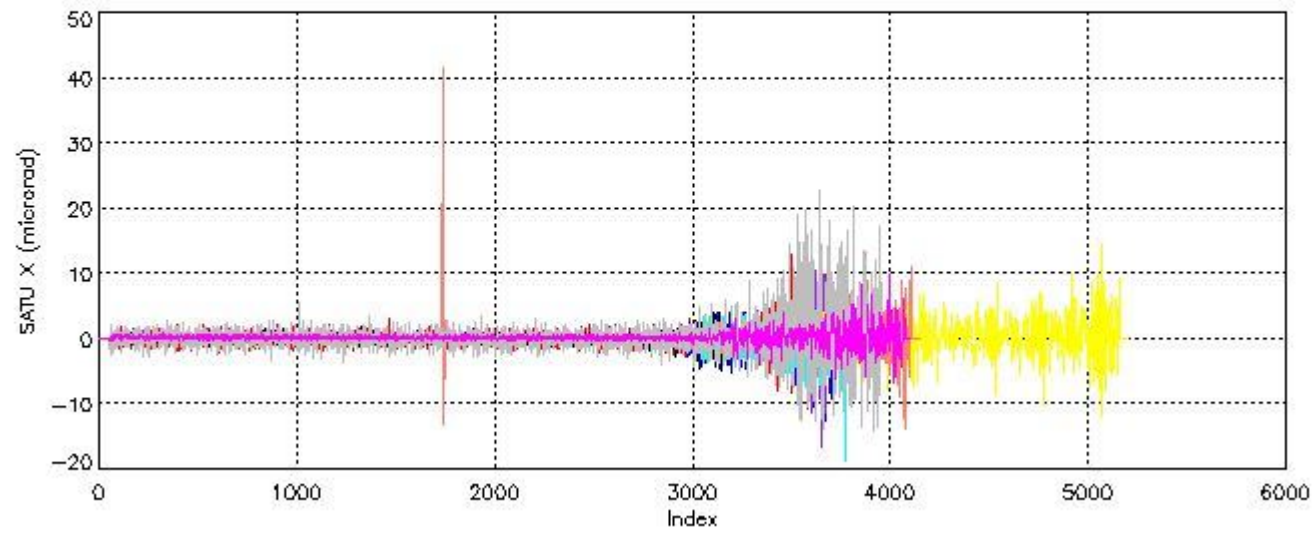


7. Star Acquisition and Tracking Unit (SATU)

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:	-0.0055758	-1.3725	0.046546	-1.4109
St. deviation:	0.44855	0.67876	0.66341	0.81256
Maximum:	2.8000	2.9000	3.0000	2.4000
Minimum:	-3.5000	-6.3000	-3.3000	-5.7000

Number of data:	8800.0	8800.0	19800.	19800.
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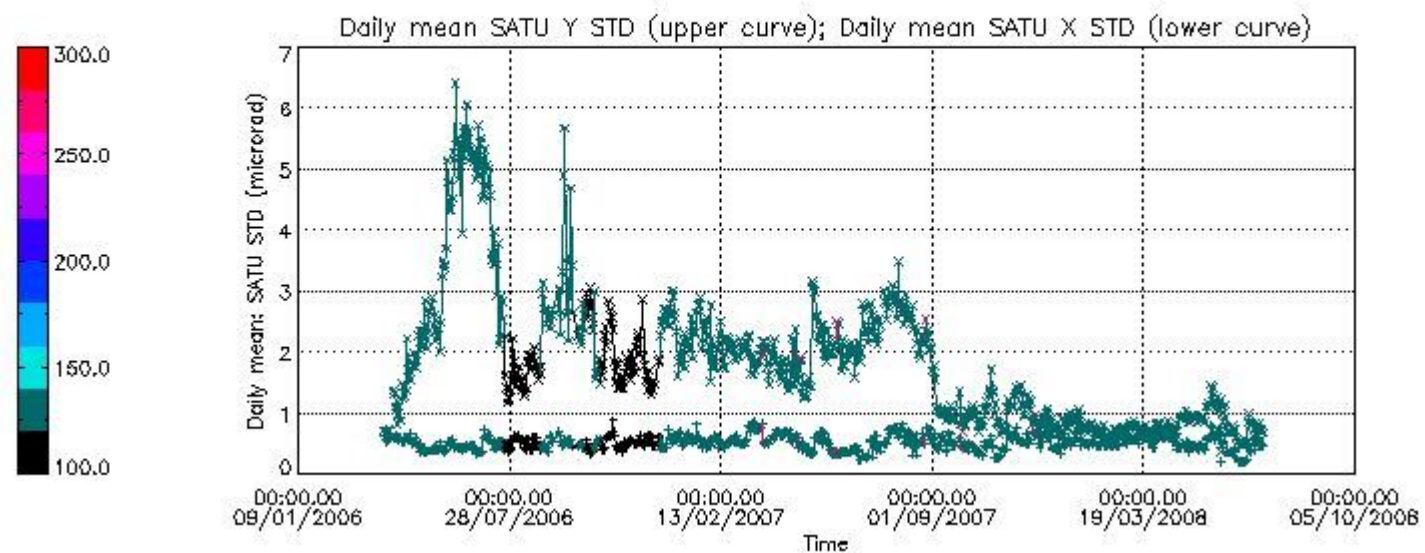
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

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

Upper curve: STD of SATU Y axis

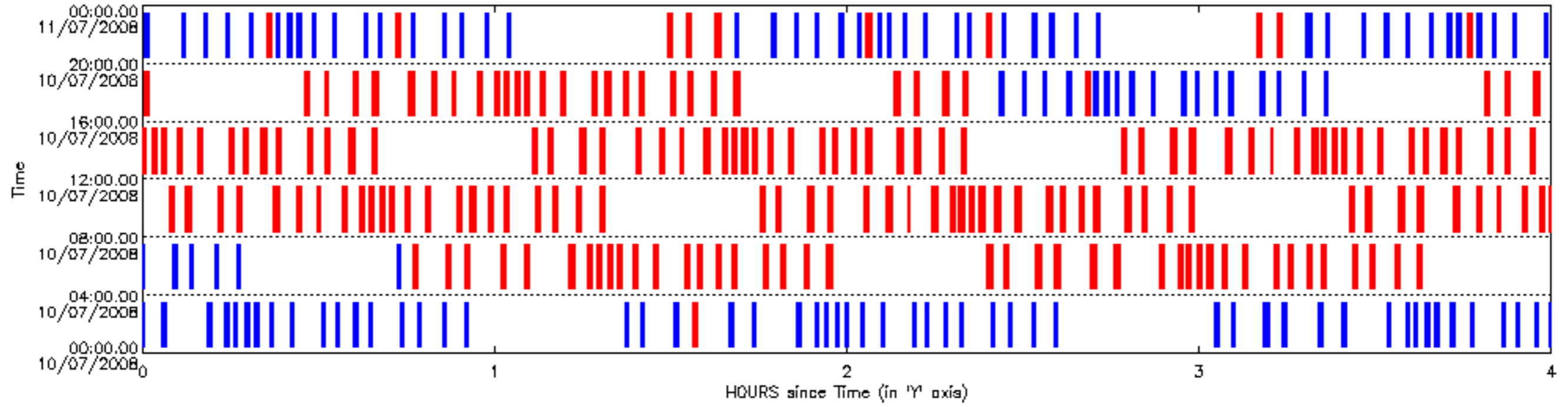
Lower curve: STD of SATU X axis

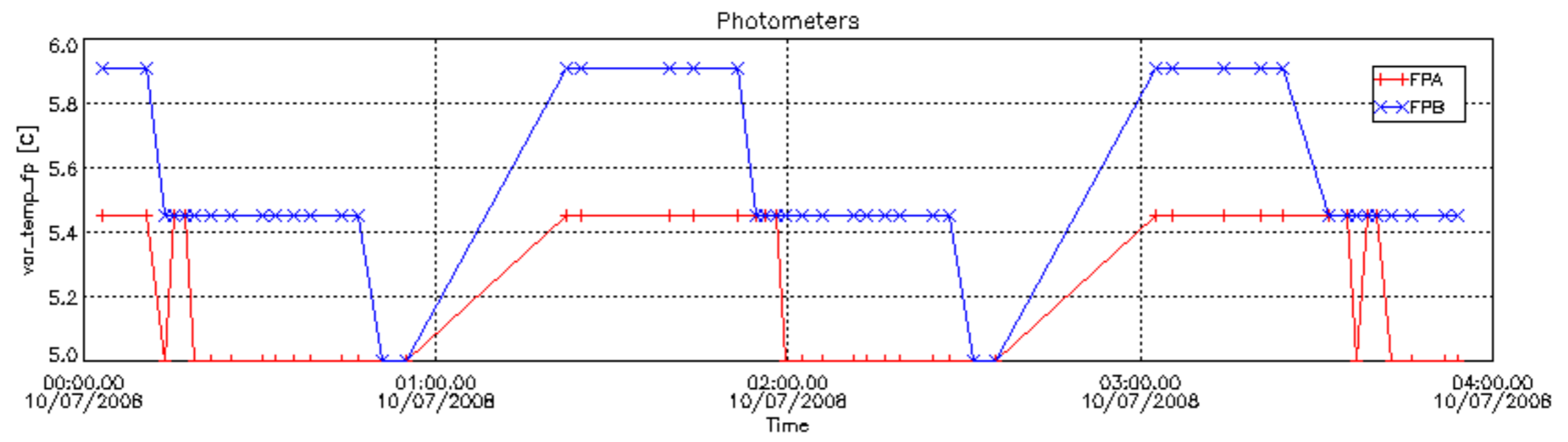
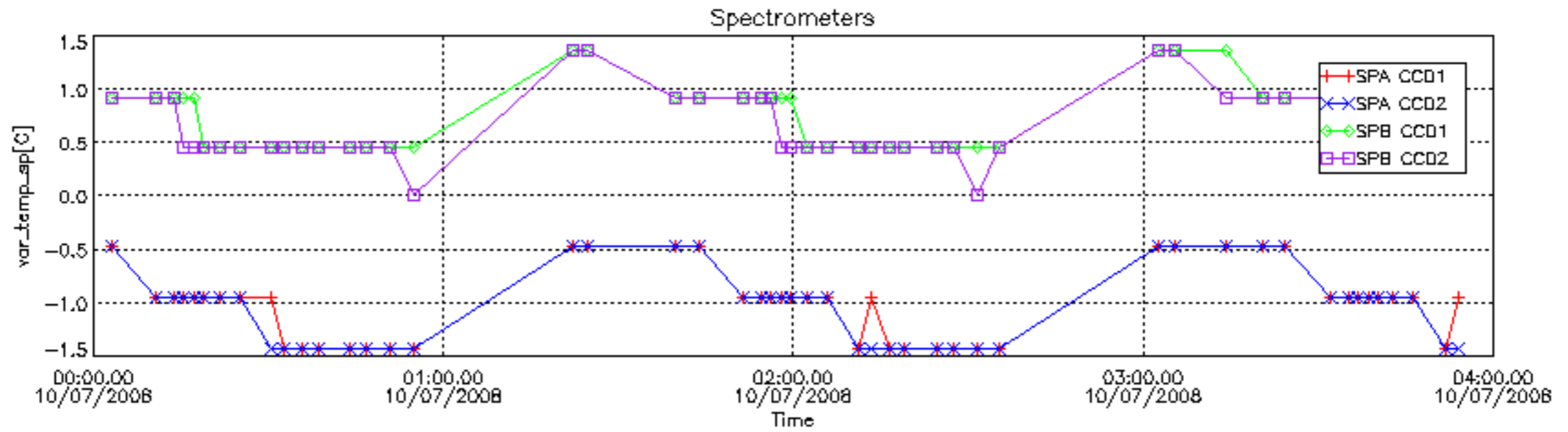


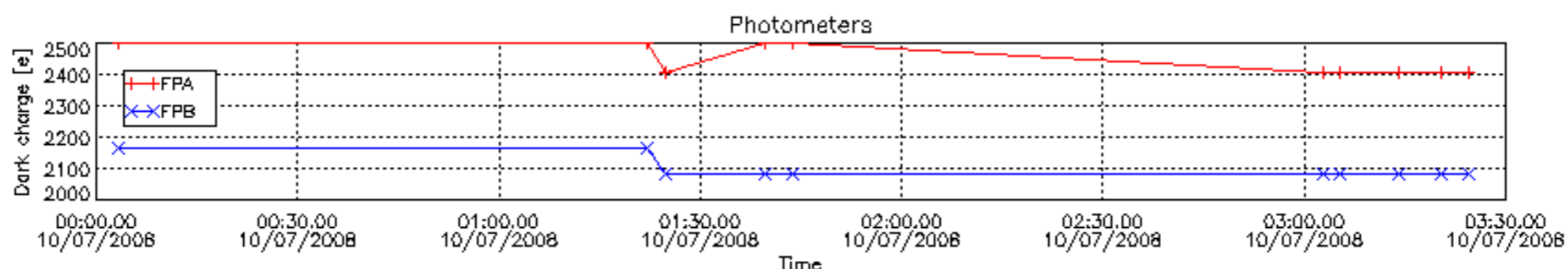
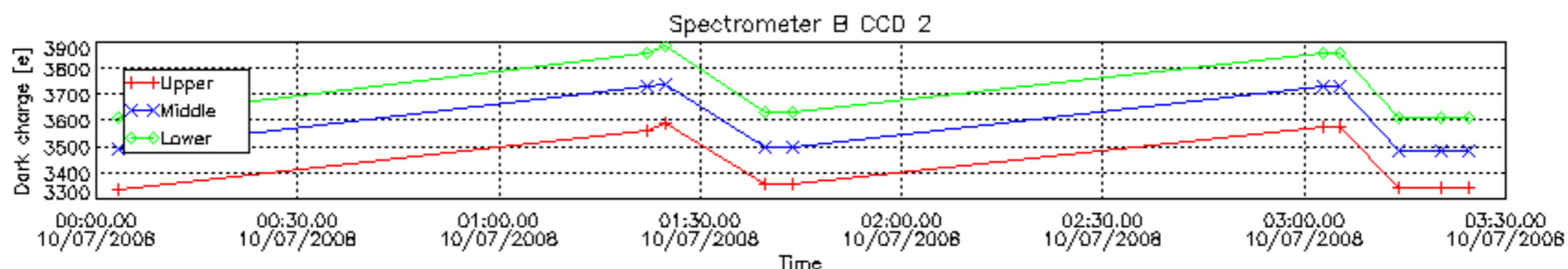
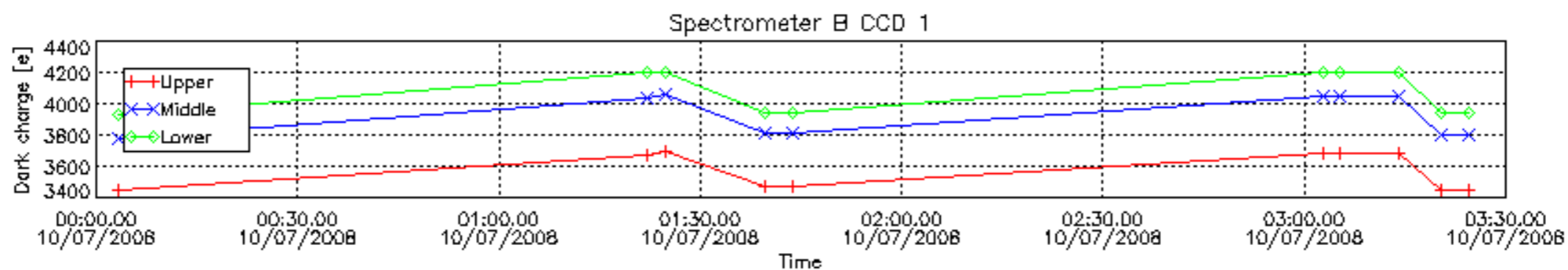
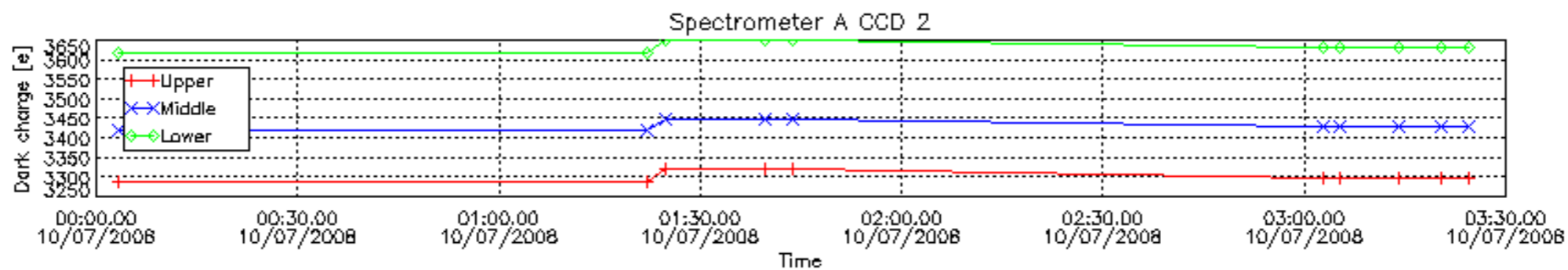
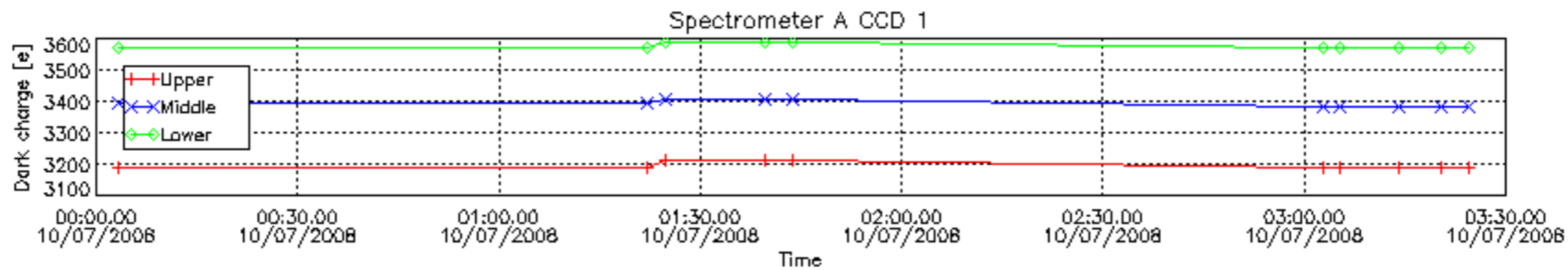
8. Auxiliary Data Files used for the production reported in section 2.4

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

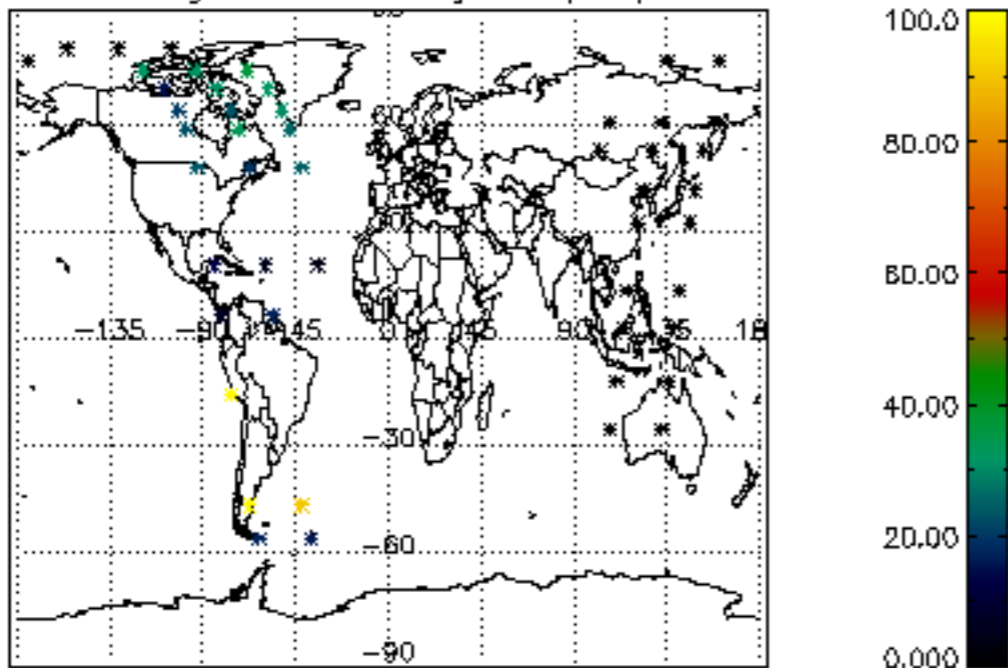
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	10-JUL-2008 00:03:10
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20080707_131940_20080705_000000_20100101_000000	1	10-JUL-2008 00:03:10
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	10-JUL-2008 00:03:10
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	10-JUL-2008 00:03:10
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	10-JUL-2008 00:03:10
ECMWF_FILE	AUX_ECF_AXNECM20080709_072114_20080709_210000_20080710_090000	1	10-JUL-2008 00:03:10
ECMWF_FILE	AUX_ECF_AXNECM20080709_190114_20080710_030000_20080710_150000	36	10-JUL-2008 03:02:42
OPTIONAL_ECMWF_FILE	MISSING	1	10-JUL-2008 00:03:10
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080709_215759_000060572070_00129_33249_5915.N1	1	10-JUL-2008 00:03:10
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080709_234415_000054192070_00130_33250_5916.N1	18	10-JUL-2008 01:24:49
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080710_011953_000044632070_00131_33251_5917.N1	36	10-JUL-2008 03:02:42



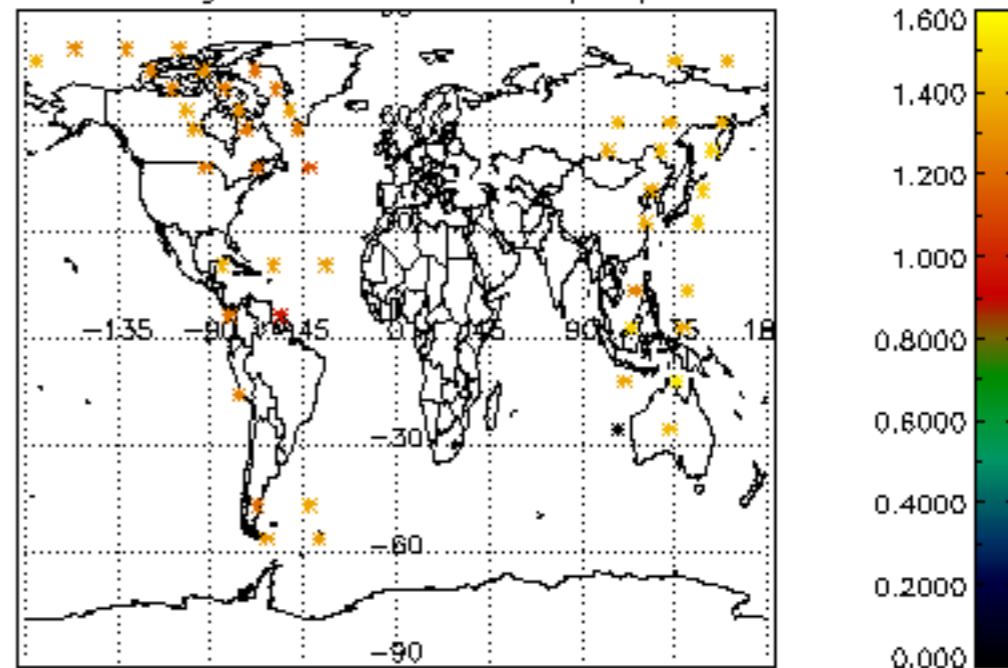




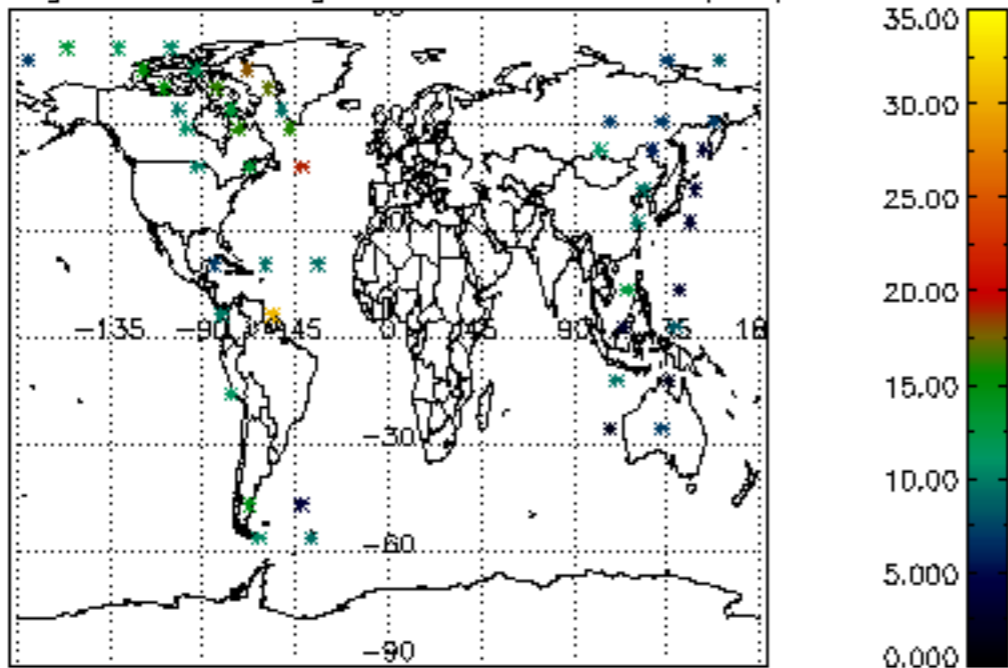
Percentage of cosmic ray hits per profile



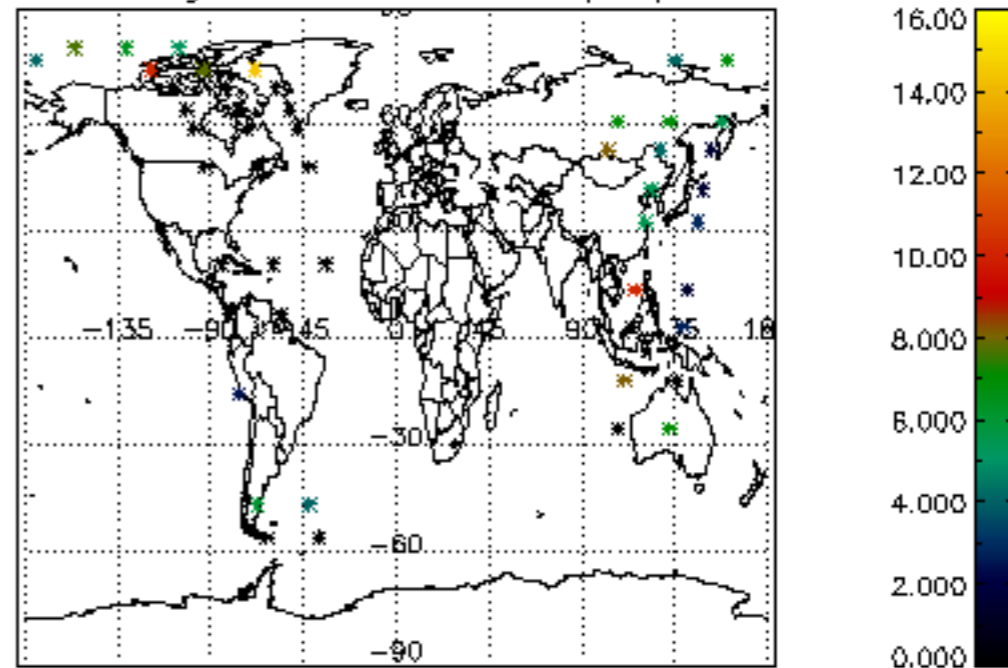
Percentage of datation errors per profile



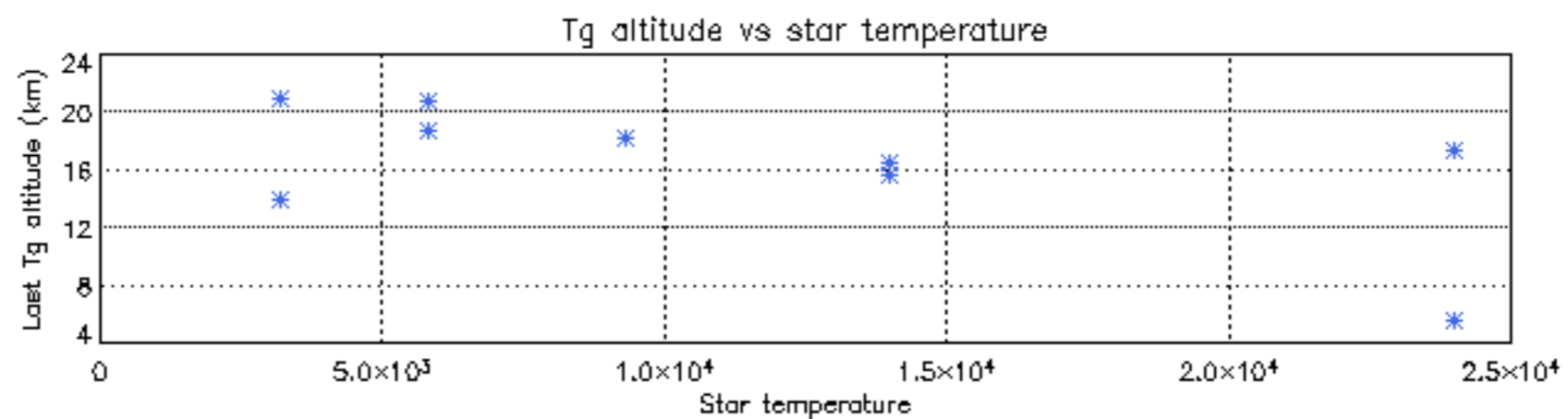
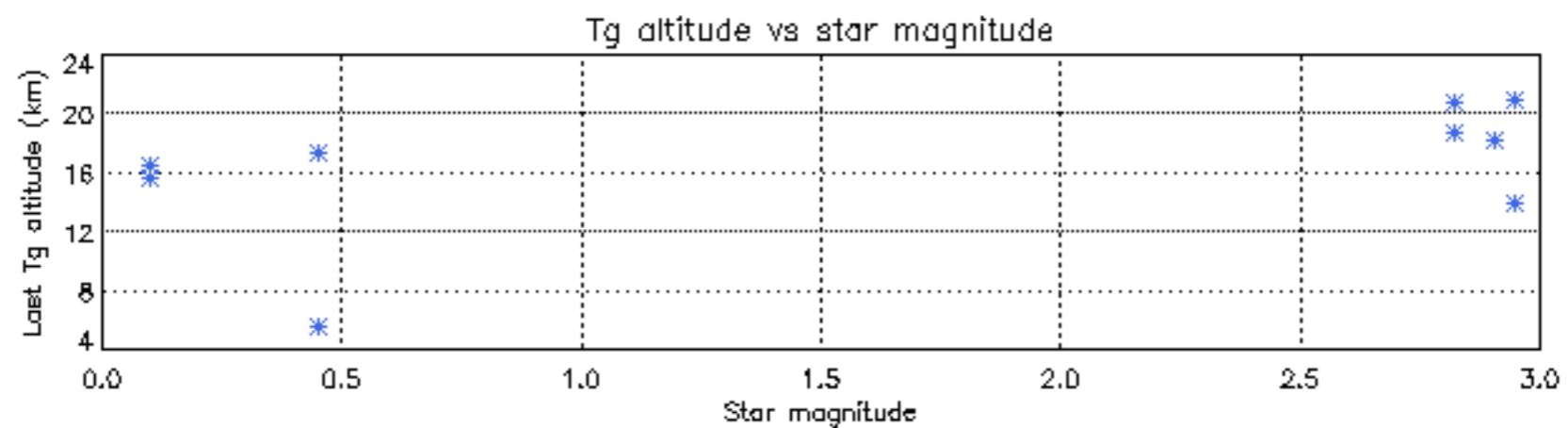
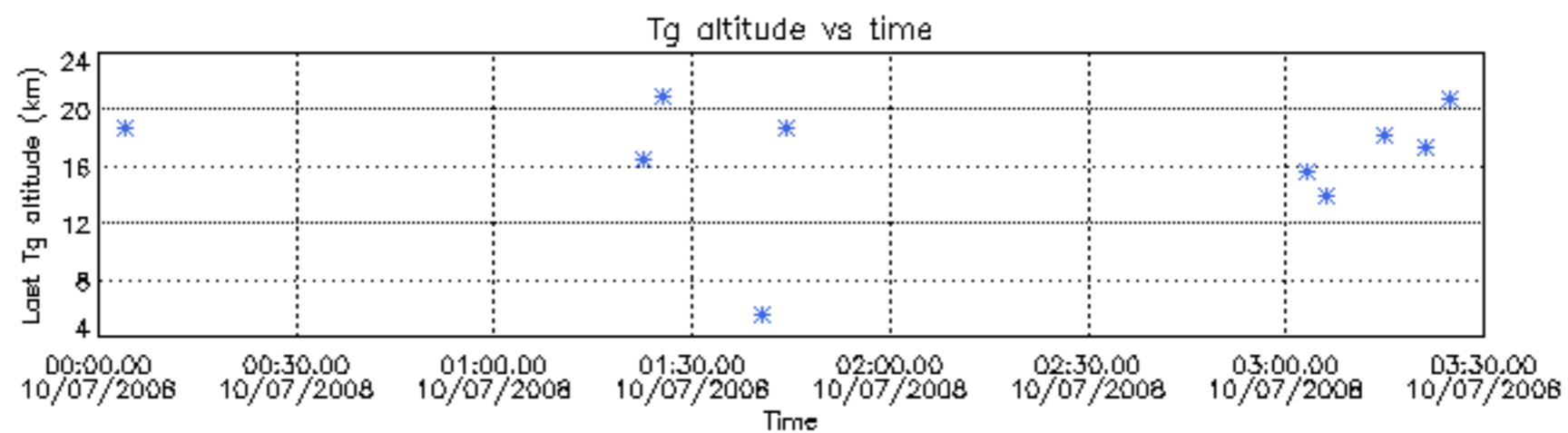
Percentage of star falling outside central band per profile



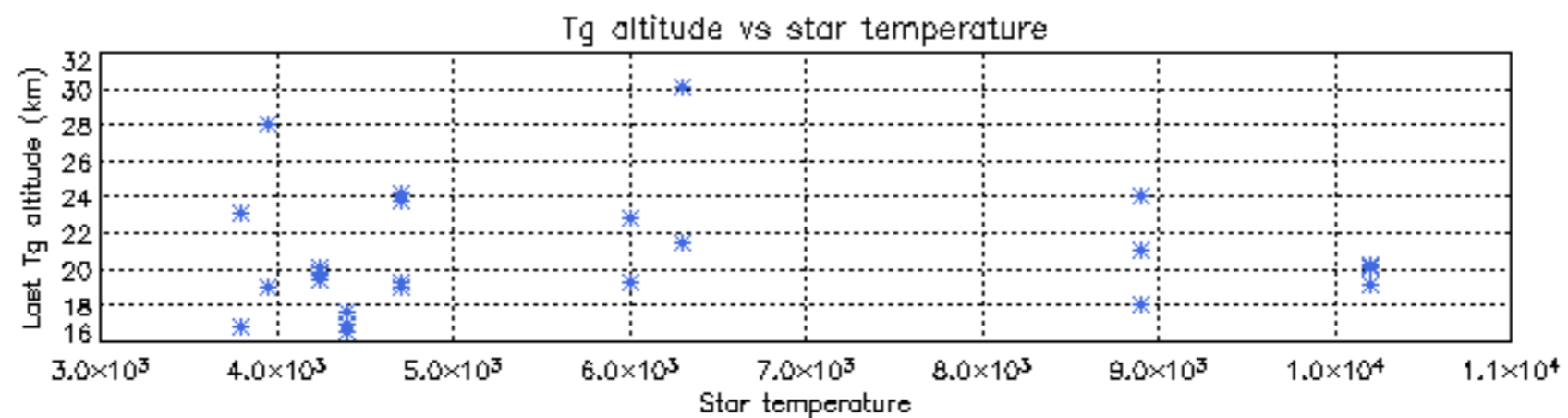
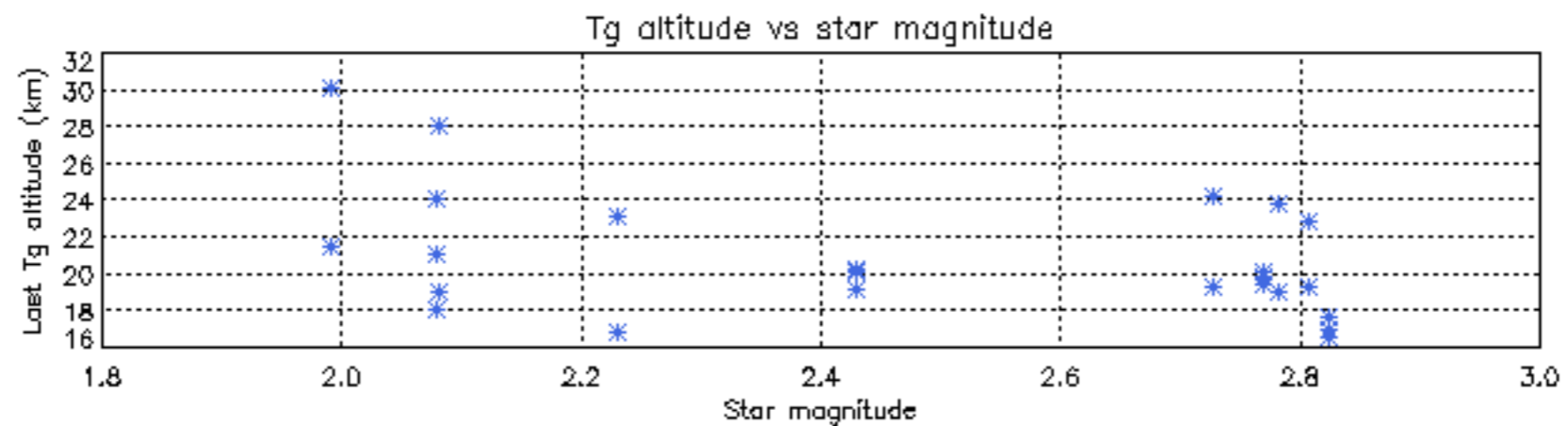
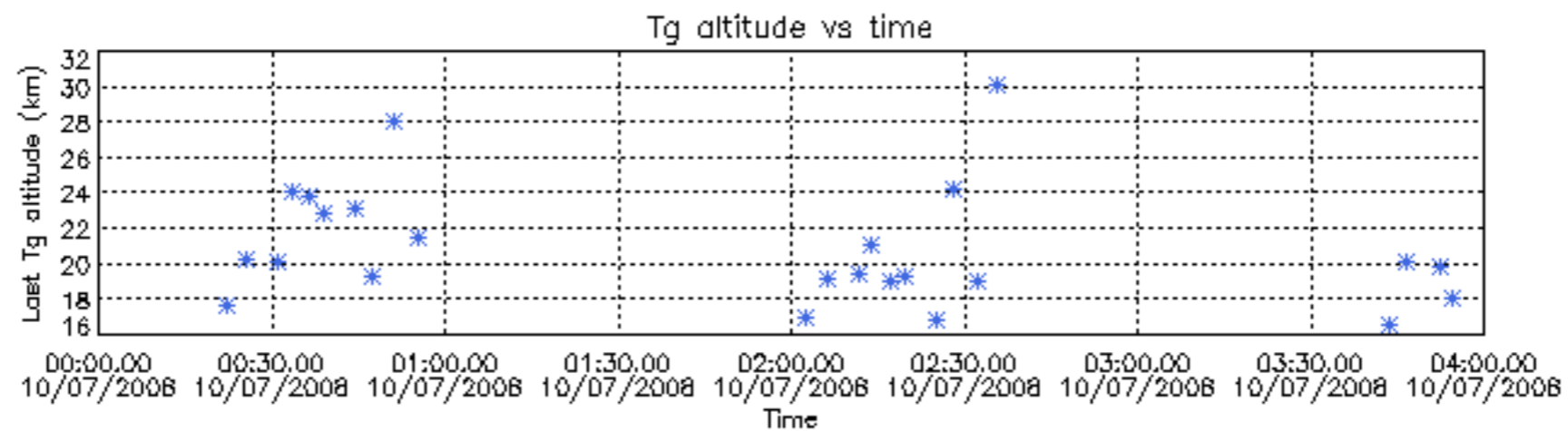
Percentage of saturation errors per profile

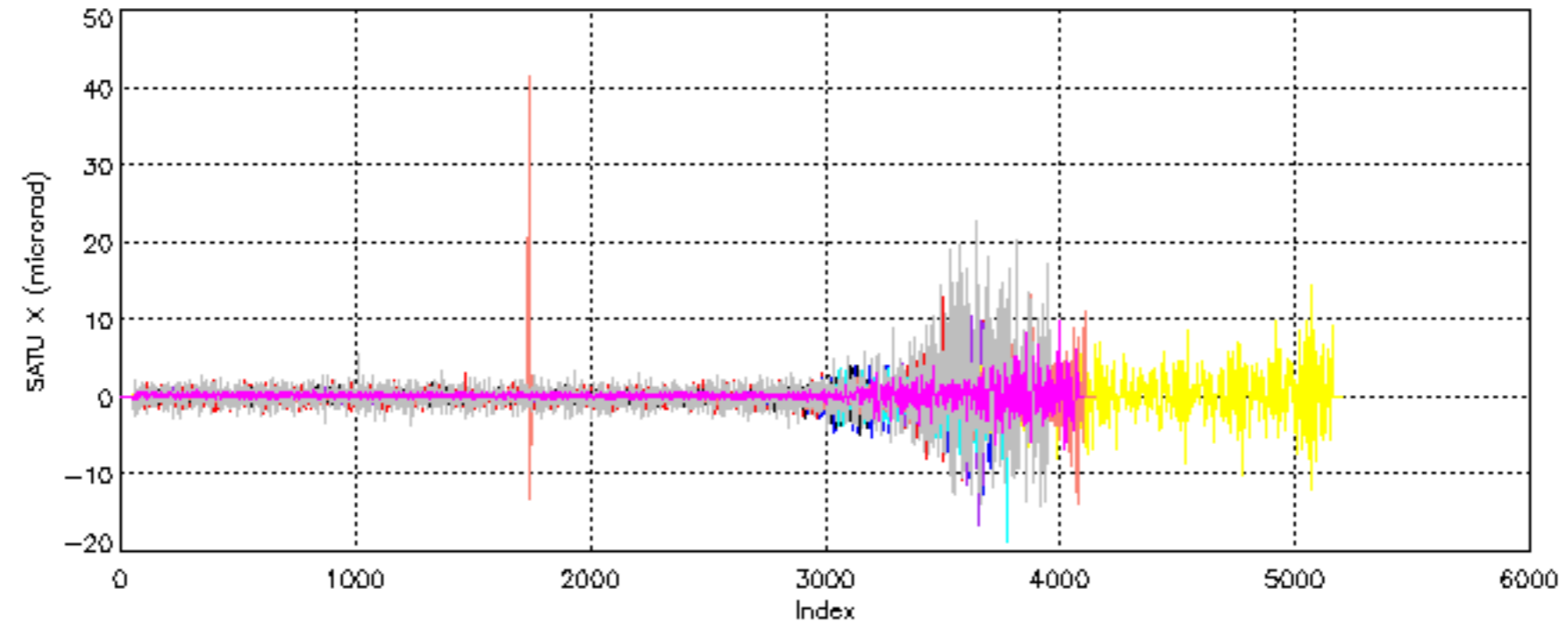


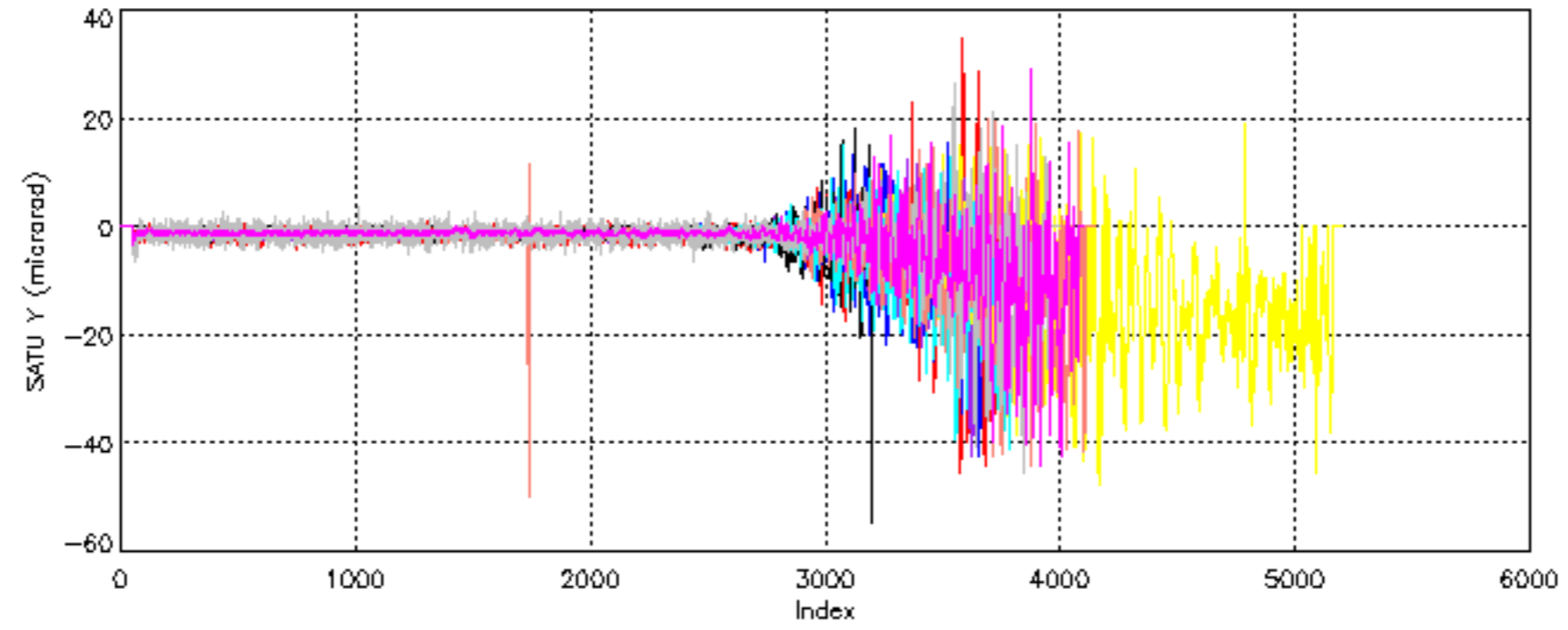
Tangent altitude at which the star is lost

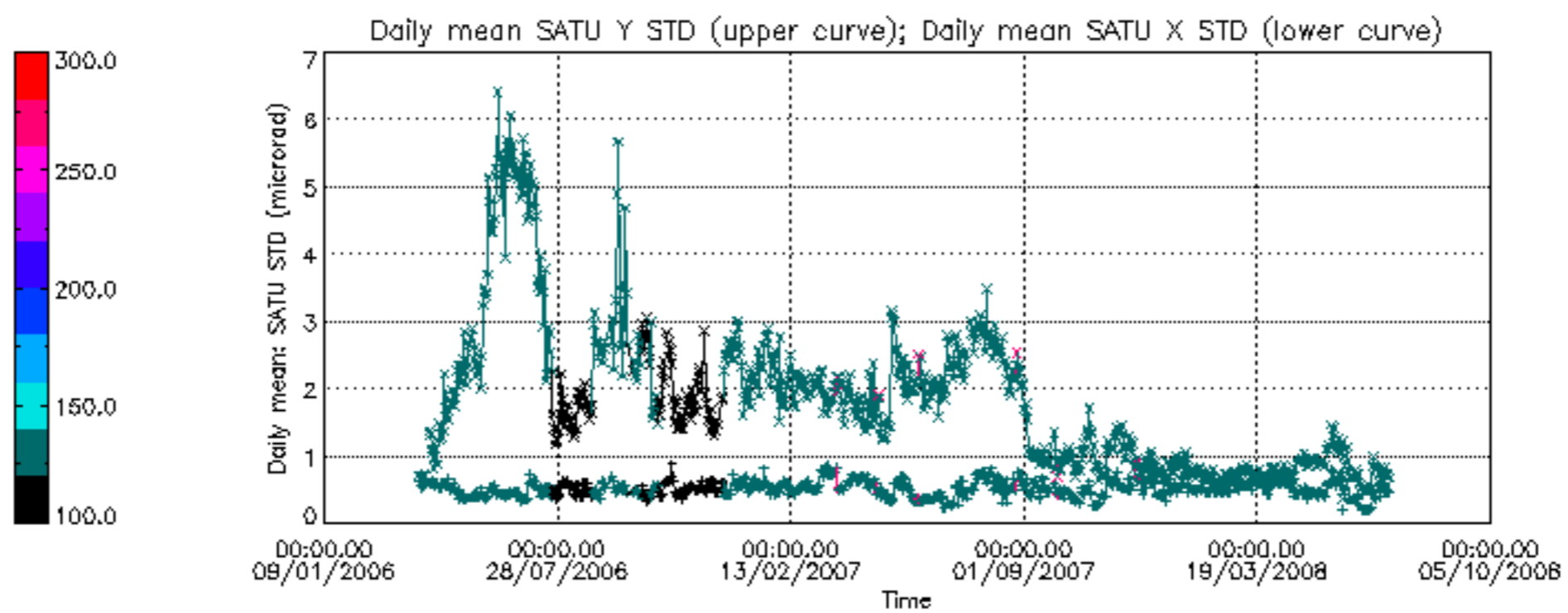


Tangent altitude at which the star is lost









/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20080701_200504_000041532070_00014_33134_6038.N1

1; 1066.3; 01-JUL-2008 20:05:04; Dark ; 38.5; 147; Alp Ara ; 2.88; 26000;occ; 77; 0;33134
 2; 1174.8; 01-JUL-2008 20:06:53; Dark ; 41.0; 40; The Sco ; 1.86; 7100;occ; 82; 0;33134
 3; 1274.5; 01-JUL-2008 20:08:33; Dark ; 40.5; 25; 35Lam Sco ; 1.62; 28000;occ; 81; 0;33134
 4; 1359.7; 01-JUL-2008 20:09:58; Dark ; 42.5; 116; 19Del Sgr ; 2.70; 4100;occ; 85; 0;33134
 5; 1645.5; 01-JUL-2008 20:14:44; Bright; 36.5; 86; 35Eta Oph ; 2.43; 10200;occ; 73; 0;33134
 6; 1751.3; 01-JUL-2008 20:16:29; Bright; 25.0; 98; 13Zet Oph ; 2.57; 30000;occ; 50; 0;33134
 7; 1982.1; 01-JUL-2008 20:20:20; Bright; 36.0; 126; 60Bet Oph ; 2.77; 4250;occ; 72; 0;33134
 8; 2121.6; 01-JUL-2008 20:22:40; Bright; 37.5; 59; 55Alp Oph ; 2.08; 8900;occ; 75; 0;33134
 9; 2286.4; 01-JUL-2008 20:25:24; Bright; 34.5; 127; 27Bet Her ; 2.78; 4700;occ; 69; 0;33134
 10; 2449.5; 01-JUL-2008 20:28:08; Bright; 37.0; 133; 40Zet Her ; 2.81; 6000;occ; 74; 0;33134
 11; 2806.8; 01-JUL-2008 20:34:05; Bright; 36.5; 130; 23Bet Dra ; 2.80; 5800;occ; 73; 0;33134
 12; 2953.3; 01-JUL-2008 20:36:31; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;33134
 13; 3194.0; 01-JUL-2008 20:40:32; Bright; 35.5; 60; 7Bet UMi ; 2.08; 3950;occ; 71; 0;33134
 14; 3445.6; 01-JUL-2008 20:44:44; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;33134
 15; 4062.2; 01-JUL-2008 20:55:00; Bright; 35.5; 160; 23Gam Per ; 2.93; 4700;occ; 71; 0;33134
 16; 4166.6; 01-JUL-2008 20:56:45; Bright; 36.0; 175; 39Del Per ; 3.01; 19400;occ; 72; 0;33134
 17; 4295.5; 01-JUL-2008 20:58:54; Bright; 39.0; 79; 26Bet Per ; 2.31; 13100;occ; 78; 0;33134
 18; 4582.1; 01-JUL-2008 21:03:40; Dark ; 39.5; 146; 25Eta Tau ; 2.87; 15200;occ; 79; 0;33134
 19; 4985.0; 01-JUL-2008 21:10:23; Dark ; 43.0; 94; 92Alp Cet ; 2.53; 3100;occ; 86; 0;33134
 20; 5205.8; 01-JUL-2008 21:14:04; Dark ; 14.5; 165; 34Gam Eri ; 2.95; 3200;occ; 29; 0;33134

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20080701_211404_000060762070_00014_33134_6039.N1

1; -830.1; 01-JUL-2008 21:14:04; Dark ; 36.0; 165; 34Gam Eri ; 2.95; 3200;occ; 72; 0;33134
 2; -492.2; 01-JUL-2008 21:19:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;33134
 3; -323.4; 01-JUL-2008 21:22:31; Dark ; 40.5; 157; The1Eri ; 2.91; 9300;occ; 81; 0;33134
 4; 44.9; 01-JUL-2008 21:28:39; Dark ; 45.5; 9; Alp Eri ; 0.45; 24000;occ; 91; 0;33135
 5; 320.1; 01-JUL-2008 21:33:14; Dark ; 36.5; 135; Bet Hyi ; 2.82; 5800;occ; 73; 0;33135
 6; 494.1; 01-JUL-2008 21:36:08; Dark ; 41.0; 148; Alp Tuc ; 2.88; 4100;occ; 82; 0;33135
 7; 754.0; 01-JUL-2008 21:40:28; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;33135
 8; 1066.4; 01-JUL-2008 21:45:40; Dark ; 37.0; 147; Alp Ara ; 2.88; 26000;occ; 74; 0;33135
 9; 1175.0; 01-JUL-2008 21:47:29; Dark ; 42.0; 40; The Sco ; 1.86; 7100;occ; 84; 0;33135
 10; 1274.7; 01-JUL-2008 21:49:09; Dark ; 39.5; 25; 35Lam Sco ; 1.62; 28000;occ; 79; 0;33135
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 12; 2122.1; 08-JUL-2008 01:35:58; Bright; 35.5; 59; 55Alp Oph ; 2.08; 8900;occ; 71; 0;33223
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 17; 3208.6; 08-JUL-2008 01:54:05; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;33223
 18; 3444.7; 08-JUL-2008 01:58:01; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;33223
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 4; 92.2; 08-JUL-2008 02:42:44; Dark ; 52.5; 9; Alp Eri ; 0.45; 24000;occ; 105; 0;33224
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 6; 794.8; 08-JUL-2008 02:54:27; Dark ; 39.0; 45; Alp Pav ; 1.94; 26000;occ; 78; 0;33224
 7; 1081.5; 08-JUL-2008 02:59:13; Dark ; 38.5; 147; Alp Ara ; 2.88; 26000;occ; 77; 0;33224
 8; 1191.5; 08-JUL-2008 03:01:04; Dark ; 41.0; 40; The Sco ; 1.86; 7100;occ; 82; 0;33224
 9; 1291.1; 08-JUL-2008 03:02:43; Dark ; 39.5; 25; 35Lam Sco ; 1.62; 28000;occ; 79; 0;33224
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 11; 1660.3; 08-JUL-2008 03:08:52; Bright; 37.0; 86; 35Eta Oph ; 2.43; 10200;occ; 74; 0;33224
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 13; 2122.3; 08-JUL-2008 03:16:34; Bright; 35.5; 59; 55Alp Oph ; 2.08; 8900;occ; 71; 0;33224
 14; 2304.4; 08-JUL-2008 03:19:36; Bright; 35.5; 127; 27Bet Her ; 2.78; 4700;occ; 71; 0;33224
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 16; 2797.8; 08-JUL-2008 03:27:50; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;33224
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 6; 341.2; 08-JUL-2008 04:27:29; Dark ; 36.0; 135; Bet Hyi ; 2.82; 5800;occ; 72; 0;33225
 7; 795.2; 08-JUL-2008 04:35:03; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;33225


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11; 1379.5; 08-JUL-2008 04:44:48; Dark ; 45.0; 116; 19Del Sgr ; 2.70; 4100;occ; 90; 0;33225
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17; 2797.7; 08-JUL-2008 05:08:26; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;33225
18; 2960.7; 08-JUL-2008 05:11:09; Bright; 32.5; 119; 14Eta Dra ; 2.73; 4700;occ; 65; 0;33225
19; 3209.0; 08-JUL-2008 05:15:17; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;33225
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5; 93.4; 08-JUL-2008 06:03:57; Dark ; 51.0; 9; Alp Eri ; 0.45; 24000;occ; 102; 0;33226
6; 341.4; 08-JUL-2008 06:08:05; Dark ; 36.5; 135; Bet Hyi ; 2.82; 5800;occ; 73; 0;33226
7; 795.7; 08-JUL-2008 06:15:40; Dark ; 39.0; 45; Alp Pav ; 1.94; 26000;occ; 78; 0;33226
8; 1081.8; 08-JUL-2008 06:20:26; Dark ; 37.5; 147; Alp Ara ; 2.88; 26000;occ; 75; 0;33226
9; 1191.9; 08-JUL-2008 06:22:16; Dark ; 43.0; 40; The Sco ; 1.86; 7100;occ; 86; 0;33226
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13; 1984.8; 08-JUL-2008 06:35:29; Bright; 35.5; 126; 60Bet Oph ; 2.77; 4250;occ; 71; 0;33226
14; 2122.4; 08-JUL-2008 06:37:46; Bright; 36.5; 59; 55Alp Oph ; 2.08; 8900;occ; 73; 0;33226
15; 2304.9; 08-JUL-2008 06:40:49; Bright; 37.0; 127; 27Bet Her ; 2.78; 4700;occ; 74; 0;33226
16; 2461.6; 08-JUL-2008 06:43:26; Bright; 35.0; 133; 40Zet Her ; 2.81; 6000;occ; 70; 0;33226
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18; 2960.7; 08-JUL-2008 06:51:45; Bright; 36.0; 119; 14Eta Dra ; 2.73; 4700;occ; 72; 0;33226
19; 3209.1; 08-JUL-2008 06:55:53; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;33226
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3; -468.0; 08-JUL-2008 07:35:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;33226
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5; 93.9; 08-JUL-2008 07:44:34; Dark ; 53.0; 9; Alp Eri ; 0.45; 24000;occ; 106; 0;33227
6; 341.7; 08-JUL-2008 07:48:42; Dark ; 37.0; 135; Bet Hyi ; 2.82; 5800;occ; 74; 0;33227
7; 796.1; 08-JUL-2008 07:56:16; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;33227
8; 1081.9; 08-JUL-2008 08:01:02; Dark ; 38.0; 147; Alp Ara ; 2.88; 26000;occ; 76; 0;33227
9; 1192.0; 08-JUL-2008 08:02:52; Dark ; 41.5; 40; The Sco ; 1.86; 7100;occ; 83; 0;33227
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4; 2305.1; 08-JUL-2008 08:21:25; Bright; 35.0; 127; 27Bet Her ; 2.78; 4700;occ; 70; 0;33227
5; 2461.9; 08-JUL-2008 08:24:02; Bright; 36.5; 133; 40Zet Her ; 2.81; 6000;occ; 73; 0;33227
6; 2797.6; 08-JUL-2008 08:29:38; Bright; 36.5; 130; 23Bet Dra ; 2.80; 5800;occ; 73; 0;33227
7; 2960.9; 08-JUL-2008 08:32:21; Bright; 36.0; 119; 14Eta Dra ; 2.73; 4700;occ; 72; 0;33227
8; 3209.3; 08-JUL-2008 08:36:29; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;33227
9; 3444.7; 08-JUL-2008 08:40:25; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;33227
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11; 5237.0; 08-JUL-2008 09:10:17; Dark ; 43.0; 165; 34Gam Eri ; 2.95; 3200;occ; 86; 0;33227
12; 5568.2; 08-JUL-2008 09:15:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;33227
13; 5759.0; 08-JUL-2008 09:18:59; Dark ; 41.0; 157; The1Eri ; 2.91; 9300;occ; 82; 0;33227
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16; 6832.4; 08-JUL-2008 09:36:52; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;33227
17; 7117.9; 08-JUL-2008 09:41:38; Dark ; 36.5; 147; Alp Ara ; 2.88; 26000;occ; 73; 0;33227
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19; 7327.7; 08-JUL-2008 09:45:08; Dark ; 38.5; 25; 35Lam Sco ; 1.62; 28000;occ; 77; 0;33227
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 7; 801.2; 09-JUL-2008 04:03:32; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;33239
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 12; 1382.3; 09-JUL-2008 04:13:13; Dark ; 43.5; 116; 19Del Sgr ; 2.70; 4100;occ; 87; 0;33239
 13; 1662.9; 09-JUL-2008 04:17:54; Bright; 37.0; 86; 35Eta Oph ; 2.43; 10200;occ; 74; 0;33239
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6; 2464.9; 09-JUL-2008 11:13:40; Bright; 35.0; 133; 40Zet Her ; 2.81; 6000;occ; 70; 0;33243
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4; 2567.7; 25-JUL-2008 21:16:06; Bright; 34.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 68; 0;33478
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6; 2812.2; 25-JUL-2008 21:20:10; Bright; 36.5; 130; 23Bet Dra ; 2.80; 5800;occ; 73; 0;33478
7; 3442.1; 25-JUL-2008 21:30:40; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;33478
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9; 4435.3; 25-JUL-2008 21:47:14; Bright; 42.0; 114; 3Iot Aur ; 2.69; 4600;occ; 84; 0;33478
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13; 5139.6; 25-JUL-2008 21:58:58; Dark ; 37.5; 7; 19Bet Ori ; 0.10; 14000;occ; 75; 0;33478
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3; 794.1; 26-JUL-2008 00:07:44; Dark ; 61.5; 63; Bet Gru ; 2.15; 2800;occ; 123; 0;33480
4; 888.3; 26-JUL-2008 00:09:18; Dark ; 38.5; 45; Alp Pav ; 1.94; 26000;occ; 77; 0;33480
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9; 2716.5; 26-JUL-2008 00:39:46; Bright; 36.5; 144; 18Del Cyg ; 2.86; 11000;occ; 73; 0;33480
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13; 4435.5; 26-JUL-2008 01:08:26; Bright; 42.5; 114; 3Iot Aur ; 2.69; 4600;occ; 85; 0;33480
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3; 2719.5; 25-JUL-2008 07:53:50; Bright; 39.0; 144; 18Del Cyg ; 2.86; 11000;occ; 78; 0;33470
4; 2811.0; 25-JUL-2008 07:55:22; Bright; 36.0; 130; 23Bet Dra ; 2.80; 5800;occ; 72; 0;33470
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6; 4198.0; 25-JUL-2008 08:18:29; Bright; 39.0; 6; 13Alp Aur ; 0.08; 3400;occ; 78; 0;33470
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19; 7433.2; 25-JUL-2008 09:12:24; Dark ; 39.5; 103; 38Zet Sgr ; 2.60; 9700;occ; 79; 0;33470
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4; 2811.1; 25-JUL-2008 09:35:58; Bright; 36.0; 130; 23Bet Dra ; 2.80; 5800;occ; 72; 0;33471
5; 3442.2; 25-JUL-2008 09:46:29; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;33471
6; 4198.1; 25-JUL-2008 09:59:05; Bright; 39.5; 6; 13Alp Aur ; 0.08; 3400;occ; 79; 0;33471
7; 4434.4; 25-JUL-2008 10:03:01; Bright; 50.5; 114; 3Iot Aur ; 2.69; 4600;occ; 101; 0;33471
8; 4757.6; 25-JUL-2008 10:08:24; Dark ; 55.0; 13; 87Alp Tau ; 0.87; 3800;occ; 110; 0;33471
9; 4882.0; 25-JUL-2008 10:10:29; Dark ; 37.0; 27; 24Gam Ori ; 1.64; 26000;occ; 74; 0;33471

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17; 6439.6; 25-JUL-2008 15:38:14; Dark ; 36.0; 135; Bet Hyi ; 2.82; 5800;occ; 72; 0;33474
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 18; 6921.2; 27-JUL-2008 09:41:14; Dark ; 46.0; 31; Alp Gru ; 1.73; 15200;occ; 92; 0;33499
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 4; 2664.0; 29-JUL-2008 12:28:50; Bright; 43.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 87; 0;33530
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 6; 3105.5; 29-JUL-2008 12:36:12; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;33530
 7; 3441.5; 29-JUL-2008 12:41:48; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;33530
 8; 4200.3; 29-JUL-2008 12:54:27; Bright; 42.5; 6; 13Alp Aur ; 0.08; 3400;occ; 85; 0;33530
 9; 4509.5; 29-JUL-2008 12:59:36; Dark ; 42.5; 28; 12Bet Tau ; 1.65; 15200;occ; 85; 0;33530
 10; 4632.6; 29-JUL-2008 13:01:39; Dark ; 39.5; 176; 23Zet Tau ; 3.02; 22000;occ; 79; 0;33530
 11; 4777.7; 29-JUL-2008 13:04:04; Dark ; 59.0; 13; 87Alp Tau ; 0.87; 3800;occ; 118; 0;33530
 12; 4899.5; 29-JUL-2008 13:06:06; Dark ; 43.5; 27; 24Gam Ori ; 1.64; 26000;occ; 87; 0;33530
 13; 5014.3; 29-JUL-2008 13:08:01; Dark ; 43.5; 30; 46Eps Ori ; 1.69; 30000;occ; 87; 0;33530
 14; 5159.3; 29-JUL-2008 13:10:26; Dark ; 42.0; 7; 19Bet Ori ; 0.10; 14000;occ; 84; 0;33530
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 16; 5712.3; 29-JUL-2008 13:19:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;33530
 17; 5982.2; 29-JUL-2008 13:24:08; Dark ; 46.5; 157; The1Eri ; 2.91; 9300;occ; 93; 0;33530
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 20; 6938.5; 29-JUL-2008 13:40:05; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;33530
 21; 7128.3; 29-JUL-2008 13:43:15; Dark ; 45.0; 172; Gam Gru ; 3.00; 13100;occ; 90; 0;33530
 22; 7587.1; 29-JUL-2008 13:50:53; Bright; 35.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 71; 0;33530

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 2; 2062.1; 29-JUL-2008 13:59:24; Bright; 38.0; 11; 53Alp Aql ; 0.76; 8000;occ; 76; 0;33531
 3; 2143.9; 29-JUL-2008 14:00:46; Bright; 34.5; 168; 17Zet Aql ; 2.99; 11000;occ; 69; 0;33531
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 9; 4200.4; 29-JUL-2008 14:35:02; Bright; 41.0; 6; 13Alp Aur ; 0.08; 3400;occ; 82; 0;33531
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 11; 4632.9; 29-JUL-2008 14:42:15; Dark ; 38.0; 176; 23Zet Tau ; 3.02; 22000;occ; 76; 0;33531
 12; 4778.1; 29-JUL-2008 14:44:40; Dark ; 57.5; 13; 87Alp Tau ; 0.87; 3800;occ; 115; 0;33531
 13; 4899.8; 29-JUL-2008 14:46:42; Dark ; 43.5; 27; 24Gam Ori ; 1.64; 26000;occ; 87; 0;33531
 14; 5014.7; 29-JUL-2008 14:48:37; Dark ; 40.0; 30; 46Eps Ori ; 1.69; 30000;occ; 80; 0;33531
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 16; 5292.9; 29-JUL-2008 14:53:15; Dark ; 37.5; 101; 11Alp Lep ; 2.58; 7000;occ; 75; 0;33531
 17; 5713.0; 29-JUL-2008 15:00:15; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;33531
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 21; 6939.2; 29-JUL-2008 15:20:41; Dark ; 51.0; 31; Alp Gru ; 1.73; 15200;occ; 102; 0;33531
 22; 7129.1; 29-JUL-2008 15:23:51; Dark ; 44.5; 172; Gam Gru ; 3.00; 13100;occ; 89; 0;33531

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 3; 2144.0; 29-JUL-2008 15:41:22; Bright; 52.0; 168; 17Zet Aql ; 2.99; 11000;occ; 104; 0;33532
 4; 2568.4; 29-JUL-2008 15:48:26; Bright; 38.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 76; 0;33532
 5; 2663.2; 29-JUL-2008 15:50:01; Bright; 40.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 81; 0;33532
 6; 2792.7; 29-JUL-2008 15:52:11; Bright; 37.0; 69; 33Gam Dra ; 2.23; 3800;occ; 74; 0;33532
 7; 3104.6; 29-JUL-2008 15:57:23; Bright; 39.5; 89; 5Alp Cep ; 2.45; 8000;occ; 79; 0;33532
 8; 3441.5; 29-JUL-2008 16:03:00; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;33532
 9; 4200.5; 29-JUL-2008 16:15:39; Bright; 41.0; 6; 13Alp Aur ; 0.08; 3400;occ; 82; 0;33532
 10; 4510.0; 29-JUL-2008 16:20:48; Dark ; 41.0; 28; 12Bet Tau ; 1.65; 15200;occ; 82; 0;33532
 11; 4633.1; 29-JUL-2008 16:22:51; Dark ; 39.5; 176; 23Zet Tau ; 3.02; 22000;occ; 79; 0;33532
 12; 4778.5; 29-JUL-2008 16:25:17; Dark ; 62.0; 13; 87Alp Tau ; 0.87; 3800;occ; 124; 0;33532
 13; 4900.2; 29-JUL-2008 16:27:18; Dark ; 40.5; 27; 24Gam Ori ; 1.64; 26000;occ; 81; 0;33532
 14; 5015.1; 29-JUL-2008 16:29:13; Dark ; 39.0; 30; 46Eps Ori ; 1.69; 30000;occ; 78; 0;33532
 15; 5160.3; 29-JUL-2008 16:31:38; Dark ; 43.0; 7; 19Bet Ori ; 0.10; 14000;occ; 86; 0;33532
 16; 5293.3; 29-JUL-2008 16:33:51; Dark ; 39.5; 101; 11Alp Lep ; 2.58; 7000;occ; 79; 0;33532
 17; 5713.7; 29-JUL-2008 16:40:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;33532
 18; 5984.3; 29-JUL-2008 16:45:22; Dark ; 44.5; 157; The1Eri ; 2.91; 9300;occ; 89; 0;33532
 19; 6322.9; 29-JUL-2008 16:51:01; Dark ; 41.5; 9; Alp Eri ; 0.45; 24000;occ; 83; 0;33532
 20; 6741.5; 29-JUL-2008 16:58:00; Dark ; 42.5; 148; Alp Tuc ; 2.88; 4100;occ; 85; 0;33532
 21; 6939.8; 29-JUL-2008 17:01:18; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;33532
 22; 7129.5; 29-JUL-2008 17:04:28; Dark ; 46.0; 172; Gam Gru ; 3.00; 13100;occ; 92; 0;33532

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1;	1093.5;	29-JUL-2008	17:04:28;	Dark	;	46.5;	172;	Gam Gru	;	3.00;	13100;occ;	93;	0;	33533
2;	1551.5;	29-JUL-2008	17:12:06;	Bright;	;	36.5;	155;	41Pi Sgr	;	2.90;	6600;occ;	73;	0;	33533
3;	2062.0;	29-JUL-2008	17:20:36;	Bright;	;	40.0;	11;	53Alp Aql	;	0.76;	8000;occ;	80;	0;	33533
4;	2143.8;	29-JUL-2008	17:21:58;	Bright;	;	34.0;	168;	17Zet Aql	;	2.99;	11000;occ;	68;	0;	33533
5;	2568.4;	29-JUL-2008	17:29:02;	Bright;	;	38.0;	5;	3Alp Lyr	;	0.03;	11000;occ;	76;	0;	33533
6;	2662.8;	29-JUL-2008	17:30:37;	Bright;	;	42.0;	66;	37Gam Cyg	;	2.21;	5900;occ;	84;	0;	33533
7;	2792.8;	29-JUL-2008	17:32:47;	Bright;	;	37.0;	69;	33Gam Dra	;	2.23;	3800;occ;	74;	0;	33533
8;	3104.3;	29-JUL-2008	17:37:58;	Bright;	;	40.5;	89;	5Alp Cep	;	2.45;	8000;occ;	81;	0;	33533
9;	3441.6;	29-JUL-2008	17:43:36;	Bright;	;	36.5;	49;	1Alp UMi	;	1.99;	6300;occ;	73;	0;	33533
10;	4200.5;	29-JUL-2008	17:56:15;	Bright;	;	41.5;	6;	13Alp Aur	;	0.08;	3400;occ;	83;	0;	33533
11;	4510.1;	29-JUL-2008	18:01:24;	Dark	;	43.0;	28;	12Bet Tau	;	1.65;	15200;occ;	86;	0;	33533
12;	4633.4;	29-JUL-2008	18:03:27;	Dark	;	38.5;	176;	23Zet Tau	;	3.02;	22000;occ;	77;	0;	33533
13;	4778.8;	29-JUL-2008	18:05:53;	Dark	;	44.0;	13;	87Alp Tau	;	0.87;	3800;occ;	88;	0;	33533
14;	4900.5;	29-JUL-2008	18:07:55;	Dark	;	42.0;	27;	24Gam Ori	;	1.64;	26000;occ;	84;	0;	33533
15;	5015.4;	29-JUL-2008	18:09:49;	Dark	;	39.5;	30;	46Eps Ori	;	1.69;	30000;occ;	79;	0;	33533
16;	5160.7;	29-JUL-2008	18:12:15;	Dark	;	39.5;	7;	19Bet Ori	;	0.10;	14000;occ;	79;	0;	33533
17;	5293.6;	29-JUL-2008	18:14:28;	Dark	;	38.5;	101;	11Alp Lep	;	2.58;	7000;occ;	77;	0;	33533
18;	5714.4;	29-JUL-2008	18:21:28;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	33533
19;	5985.2;	29-JUL-2008	18:25:59;	Dark	;	48.0;	157;	The1Eri	;	2.91;	9300;occ;	96;	0;	33533
20;	6323.6;	29-JUL-2008	18:31:38;	Dark	;	45.0;	9;	Alp Eri	;	0.45;	24000;occ;	90;	0;	33533
21;	6741.8;	29-JUL-2008	18:38:36;	Dark	;	39.5;	148;	Alp Tuc	;	2.88;	4100;occ;	79;	0;	33533
22;	6940.4;	29-JUL-2008	18:41:54;	Dark	;	49.5;	31;	Alp Gru	;	1.73;	15200;occ;	99;	0;	33533

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1;	1094.0;	29-JUL-2008	18:45:04;	Dark	;	46.0;	172;	Gam Gru	;	3.00;	13100;occ;	92;	0;	33534
2;	1551.6;	29-JUL-2008	18:52:42;	Bright;	;	37.5;	155;	41Pi Sgr	;	2.90;	6600;occ;	75;	0;	33534
3;	2061.9;	29-JUL-2008	19:01:12;	Bright;	;	37.5;	11;	53Alp Aql	;	0.76;	8000;occ;	75;	0;	33534
4;	2143.9;	29-JUL-2008	19:02:34;	Bright;	;	35.5;	168;	17Zet Aql	;	2.99;	11000;occ;	71;	0;	33534
5;	2568.5;	29-JUL-2008	19:09:39;	Bright;	;	37.0;	5;	3Alp Lyr	;	0.03;	11000;occ;	74;	0;	33534
6;	2662.3;	29-JUL-2008	19:11:12;	Bright;	;	41.5;	66;	37Gam Cyg	;	2.21;	5900;occ;	83;	0;	33534
7;	2793.0;	29-JUL-2008	19:13:23;	Bright;	;	25.0;	69;	33Gam Dra	;	2.23;	3800;occ;	50;	0;	33534
8;	3103.7;	29-JUL-2008	19:18:34;	Bright;	;	40.5;	89;	5Alp Cep	;	2.45;	8000;occ;	81;	0;	33534
9;	3441.5;	29-JUL-2008	19:24:12;	Bright;	;	36.5;	49;	1Alp UMi	;	1.99;	6300;occ;	73;	0;	33534
10;	4200.4;	29-JUL-2008	19:36:50;	Bright;	;	42.5;	6;	13Alp Aur	;	0.08;	3400;occ;	85;	0;	33534
11;	4510.1;	29-JUL-2008	19:42:00;	Dark	;	48.0;	28;	12Bet Tau	;	1.65;	15200;occ;	96;	0;	33534
12;	4633.5;	29-JUL-2008	19:44:04;	Dark	;	37.5;	176;	23Zet Tau	;	3.02;	22000;occ;	75;	0;	33534
13;	4779.2;	29-JUL-2008	19:46:29;	Dark	;	48.5;	13;	87Alp Tau	;	0.87;	3800;occ;	97;	0;	33534
14;	4900.7;	29-JUL-2008	19:48:31;	Dark	;	39.5;	27;	24Gam Ori	;	1.64;	26000;occ;	79;	0;	33534
15;	5015.7;	29-JUL-2008	19:50:26;	Dark	;	37.0;	30;	46Eps Ori	;	1.69;	30000;occ;	74;	0;	33534
16;	5161.1;	29-JUL-2008	19:52:51;	Dark	;	39.0;	7;	19Bet Ori	;	0.10;	14000;occ;	78;	0;	33534
17;	5293.9;	29-JUL-2008	19:55:04;	Dark	;	42.0;	101;	11Alp Lep	;	2.58;	7000;occ;	84;	0;	33534
18;	5715.0;	29-JUL-2008	20:02:05;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	33534
19;	5986.0;	29-JUL-2008	20:06:36;	Dark	;	46.5;	157;	The1Eri	;	2.91;	9300;occ;	93;	0;	33534
20;	6324.2;	29-JUL-2008	20:12:14;	Dark	;	53.5;	9;	Alp Eri	;	0.45;	24000;occ;	107;	0;	33534
21;	6742.2;	29-JUL-2008	20:19:12;	Dark	;	40.5;	148;	Alp Tuc	;	2.88;	4100;occ;	81;	0;	33534
22;	6940.8;	29-JUL-2008	20:22:31;	Dark	;	44.0;	31;	Alp Gru	;	1.73;	15200;occ;	88;	0;	33534

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2;	-320.3;	29-JUL-2008	21:42:42;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	33535
3;	-49.0;	29-JUL-2008	21:47:13;	Dark	;	46.5;	157;	The1Eri	;	2.91;	9300;occ;	93;	0;	33535
4;	288.9;	29-JUL-2008	21:52:51;	Dark	;	45.5;	9;	Alp Eri	;	0.45;	24000;occ;	91;	0;	33536
5;	706.7;	29-JUL-2008	21:59:49;	Dark	;	39.0;	148;	Alp Tuc	;	2.88;	4100;occ;	78;	0;	33536
6;	905.4;	29-JUL-2008	22:03:07;	Dark	;	51.5;	31;	Alp Gru	;	1.73;	15200;occ;	103;	0;	33536
7;	1095.1;	29-JUL-2008	22:06:17;	Dark	;	45.5;	172;	Gam Gru	;	3.00;	13100;occ;	91;	0;	33536
8;	1552.0;	29-JUL-2008	22:13:54;	Bright;	;	36.5;	155;	41Pi Sgr	;	2.90;	6600;occ;	73;	0;	33536
9;	2061.6;	29-JUL-2008	22:22:24;	Bright;	;	37.5;	11;	53Alp Aql	;	0.76;	8000;occ;	75;	0;	33536
10;	2143.9;	29-JUL-2008	22:23:46;	Bright;	;	35.0;	168;	17Zet Aql	;	2.99;	11000;occ;	70;	0;	33536
11;	2568.5;	29-JUL-2008	22:30:50;	Bright;	;	36.0;	5;	3Alp Lyr	;	0.03;	11000;occ;	72;	0;	33536
12;	2661.4;	29-JUL-2008	22:32:23;	Bright;	;	39.0;	66;	37Gam Cyg	;	2.21;	5900;occ;	78;	0;	33536
13;	3102.7;	29-JUL-2008	22:39:45;	Bright;	;	39.0;	89;	5Alp Cep	;	2.45;	8000;occ;	78;	0;	33536
14;	3441.4;	29-JUL-2008	22:45:23;	Bright;	;	36.0;	49;	1Alp UMi	;	1.99;	6300;occ;	72;	0;	33536
15;	4200.4;	29-JUL-2008	22:58:02;	Bright;	;	55.0;	6;	13Alp Aur	;	0.08;	3400;occ;	110;	0;	33536
16;	4510.4;	29-JUL-2008	23:03:12;	Dark	;	39.5;	28;	12Bet Tau	;	1.65;	15200;occ;	79;	0;	33536
17;	4633.9;	29-JUL-2008	23:05:16;	Dark	;	38.5;	176;	23Zet Tau	;	3.02;	22000;occ;	77;	0;	33536
18;	4779.8;	29-JUL-2008	23:07:42;	Dark	;	54.5;	13;	87Alp Tau	;	0.87;	3800;occ;	109;	0;	33536
19;	4901.3;	29-JUL-2008	23:09:43;	Dark	;	38.5;	27;	24Gam Ori	;	1.64;	26000;occ;	77;	0;	33536
20;	5016.2;	29-JUL-2008	23:11:38;	Dark	;	38.5;	30;	46Eps Ori	;	1.69;	30000;occ;	77;	0;	33536
21;	5161.7;	29-JUL-2008	23:14:04;	Dark	;	48.0;	7;	19Bet Ori	;	0.10;	14000;occ;	96;	0;	33536

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3; -48.0; 29-JUL-2008 23:27:50; Dark ; 44.5; 157; The1Eri ; 2.91; 9300;occ; 89; 0;33536
4; 289.6; 29-JUL-2008 23:33:27; Dark ; 52.5; 9; Alp Eri ; 0.45; 24000;occ; 105; 0;33537
5; 707.1; 29-JUL-2008 23:40:25; Dark ; 40.0; 148; Alp Tuc ; 2.88; 4100;occ; 80; 0;33537
6; 905.9; 29-JUL-2008 23:43:44; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;33537
7; 1095.5; 29-JUL-2008 23:46:53; Dark ; 45.0; 172; Gam Gru ; 3.00; 13100;occ; 90; 0;33537
8; 1552.2; 29-JUL-2008 23:54:30; Bright; 37.5; 155; 41Pi Sgr ; 2.90; 6600;occ; 75; 0;33537
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