

GOMOS Daily Report 08-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	11DEC2009 04:50:33
Data source version	GOMOS/5.00L04
Start time of products	08DEC2009 00:00:06
Stop time of products	08DEC2009 23:54:43
Store outputs in DB	Yes
Nb of level 1b prods	76
Nb of prods with errors	2

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

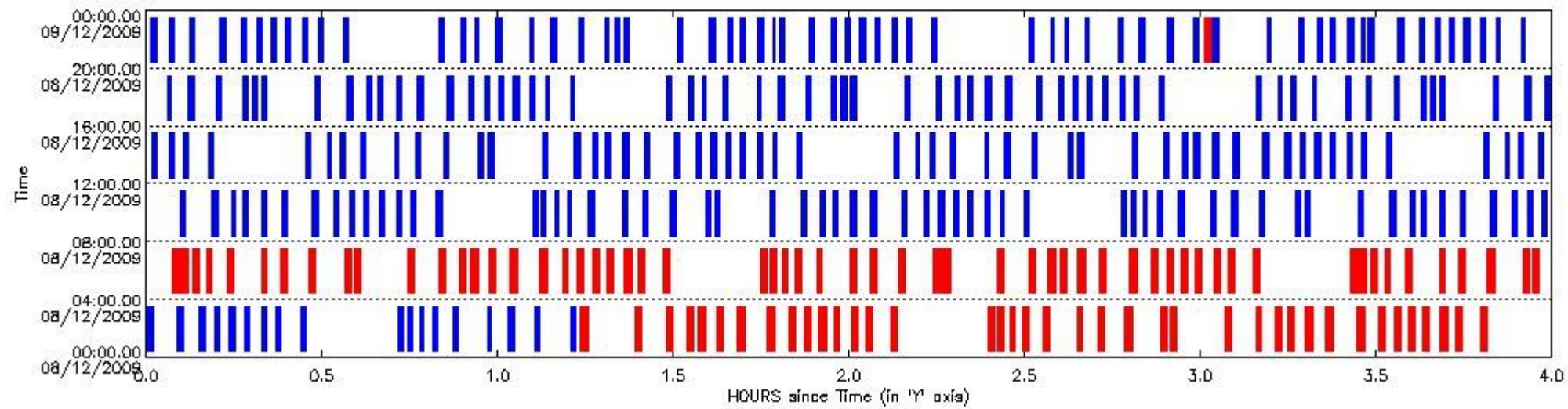
2.1 Level 0 products arrived in PCF (see template [here](#))

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
08-DEC-2009 01:14:13	2EpsCrv	171	40637
08-DEC-2009 01:23:31	MuVel	113	40638
08-DEC-2009 01:28:52	DSA1030	0	40638
08-DEC-2009 01:32:12	Gam2Vel	34	40638
08-DEC-2009 01:34:10	ZetPup	70	40638
08-DEC-2009 01:37:18	PiPup	117	40638
08-DEC-2009 01:40:51	21EpsCMa	23	40638
08-DEC-2009 01:46:02	2BetCMa	47	40638
08-DEC-2009 01:49:49	19BetOri	7	40638
08-DEC-2009 01:52:24	46EpsOri	30	40638
08-DEC-2009 01:54:55	24GamOri	27	40638
08-DEC-2009 01:57:26	87AlpTau	13	40638
08-DEC-2009 02:00:26	23ZetTau	176	40638
08-DEC-2009 02:02:55	3IotAur	114	40638
08-DEC-2009 02:07:11	13AlpAur	6	40638

08-DEC-2009 02:23:44	50AlpUMa	36	40638
08-DEC-2009 02:25:16	48BetUMa	82	40638
08-DEC-2009 02:27:24	77EpsUMa	32	40638
08-DEC-2009 02:29:42	85EtaUMa	39	40638
08-DEC-2009 02:33:14	12Alp2CVn	152	40638
08-DEC-2009 02:39:00	8EtaBoo	111	40638
08-DEC-2009 02:42:25	47EpsVir	138	40638
08-DEC-2009 02:47:10	29GamVir	121	40638
08-DEC-2009 02:53:14	4GamCrv	100	40638
08-DEC-2009 02:54:50	2EpsCrv	171	40638
08-DEC-2009 03:04:08	MuVel	113	40639
08-DEC-2009 03:09:28	DSA1030	0	40639
08-DEC-2009 03:12:48	Gam2Vel	34	40639
08-DEC-2009 03:14:47	ZetPup	70	40639
08-DEC-2009 03:17:55	PiPup	117	40639
08-DEC-2009 03:21:27	21EpsCMa	23	40639
08-DEC-2009 03:26:38	2BetCMa	47	40639
08-DEC-2009 03:30:25	19BetOri	7	40639
08-DEC-2009 03:33:00	46EpsOri	30	40639
08-DEC-2009 03:35:31	24GamOri	27	40639
08-DEC-2009 03:38:02	87AlpTau	13	40639
08-DEC-2009 03:41:01	23ZetTau	176	40639
08-DEC-2009 03:43:30	3lotAur	114	40639
08-DEC-2009 03:47:46	13AlpAur	6	40639
08-DEC-2009 04:04:19	50AlpUMa	36	40639
08-DEC-2009 04:05:52	48BetUMa	82	40639
08-DEC-2009 04:08:00	77EpsUMa	32	40639
08-DEC-2009 04:10:18	85EtaUMa	39	40639
08-DEC-2009 04:13:50	12Alp2CVn	152	40639
08-DEC-2009 04:19:36	8EtaBoo	111	40639
08-DEC-2009 04:23:01	47EpsVir	138	40639
08-DEC-2009 04:27:46	29GamVir	121	40639
08-DEC-2009 04:33:51	4GamCrv	100	40639
08-DEC-2009 04:35:27	2EpsCrv	171	40639
08-DEC-2009 04:44:45	MuVel	113	40640
08-DEC-2009 04:50:05	DSA1030	0	40640
08-DEC-2009 04:53:25	Gam2Vel	34	40640
08-DEC-2009 04:55:24	ZetPup	70	40640
08-DEC-2009 04:58:31	PiPup	117	40640
08-DEC-2009 05:02:04	21EpsCMa	23	40640
08-DEC-2009 05:07:14	2BetCMa	47	40640
08-DEC-2009 05:11:01	19BetOri	7	40640
08-DEC-2009 05:13:36	46EpsOri	30	40640
08-DEC-2009 05:16:07	24GamOri	27	40640
08-DEC-2009 05:18:38	87AlpTau	13	40640
08-DEC-2009 05:21:36	23ZetTau	176	40640
08-DEC-2009 05:24:06	3lotAur	114	40640
08-DEC-2009 05:28:22	13AlpAur	6	40640
08-DEC-2009 05:44:55	50AlpUMa	36	40640
08-DEC-2009 05:46:27	48BetUMa	82	40640
08-DEC-2009 05:48:36	77EpsUMa	32	40640
08-DEC-2009 05:50:54	85EtaUMa	39	40640
08-DEC-2009 05:54:26	12Alp2CVn	152	40640
08-DEC-2009 06:00:12	8EtaBoo	111	40640
08-DEC-2009 06:03:38	47EpsVir	138	40640
08-DEC-2009 06:08:23	29GamVir	121	40640
08-DEC-2009 06:14:28	4GamCrv	100	40640
08-DEC-2009 06:16:04	2EpsCrv	171	40640
08-DEC-2009 06:25:22	MuVel	113	40641

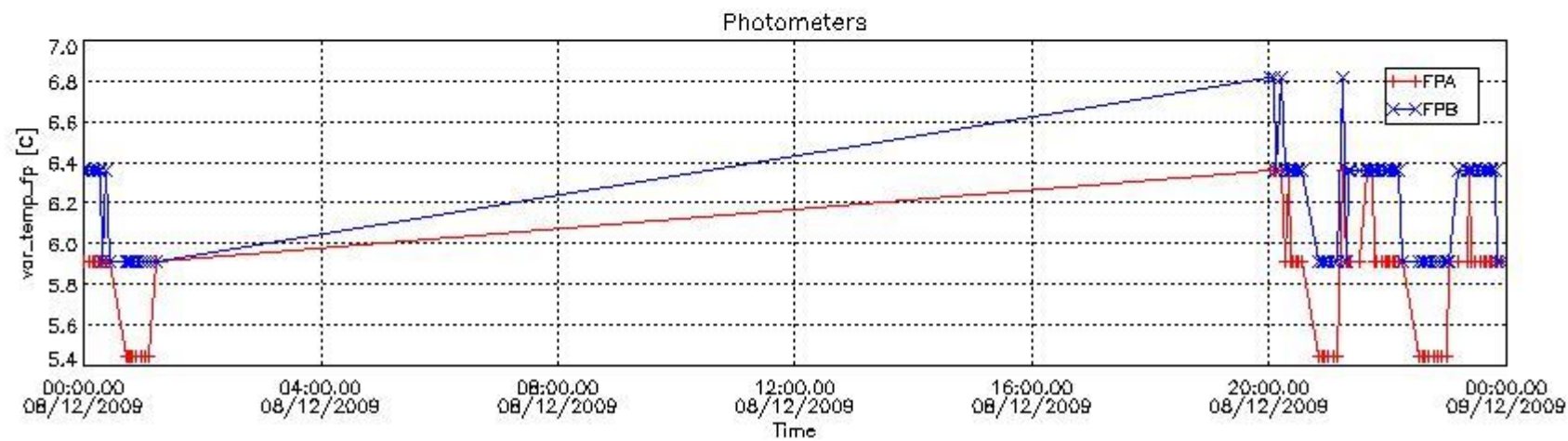
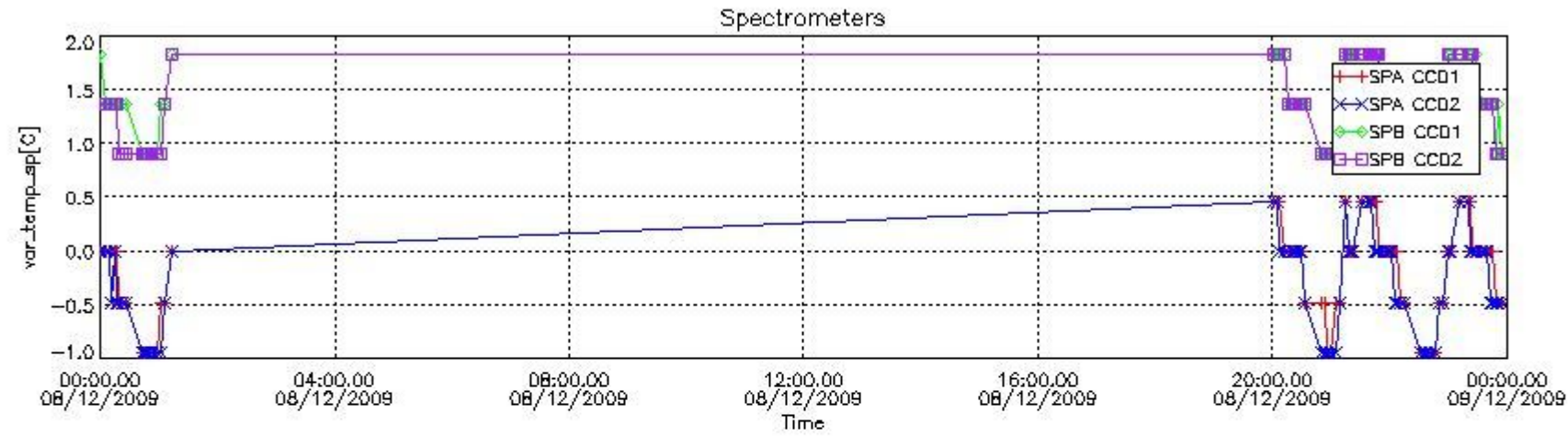
08-DEC-2009 06:30:42	DSA1030	0	40641
08-DEC-2009 06:34:02	Gam2Vel	34	40641
08-DEC-2009 06:36:01	ZetPup	70	40641
08-DEC-2009 06:39:08	PiPup	117	40641
08-DEC-2009 06:42:40	21EpsCMa	23	40641
08-DEC-2009 06:47:50	2BetCMa	47	40641
08-DEC-2009 06:51:37	19BetOri	7	40641
08-DEC-2009 06:54:12	46EpsOri	30	40641
08-DEC-2009 06:56:42	24GamOri	27	40641
08-DEC-2009 06:59:14	87AlpTau	13	40641
08-DEC-2009 07:02:12	23ZetTau	176	40641
08-DEC-2009 07:04:42	3lotAur	114	40641
08-DEC-2009 07:08:57	13AlpAur	6	40641
08-DEC-2009 07:25:30	50AlpUMa	36	40641
08-DEC-2009 07:27:03	48BetUMa	82	40641
08-DEC-2009 07:29:12	77EpsUMa	32	40641
08-DEC-2009 07:31:30	85EtaUMa	39	40641
08-DEC-2009 07:35:02	12Alp2CVn	152	40641
08-DEC-2009 07:40:48	8EtaBoo	111	40641
08-DEC-2009 07:44:14	47EpsVir	138	40641
08-DEC-2009 07:49:00	29GamVir	121	40641
08-DEC-2009 07:55:05	4GamCrv	100	40641
08-DEC-2009 07:56:41	2EpsCrv	171	40641
08-DEC-2009 23:00:37	4GamCrv	100	40650

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_1PNPDE20091208_000006_000000632085_00002_40637_6942.N1	08-DEC-2009 00:00:06	Dark	62.500	23	21Eps CMa	1.5020	26000.	125	40637	No
2	GOM_TRA_1PNPDE20091208_000518_000000602085_00002_40637_6943.N1	08-DEC-2009 00:05:18	Straylight	59.500	47	2Bet CMa	1.9760	28000.	119	40637	No
3	GOM_TRA_1PNPDE20091208_000905_000000522085_00002_40637_6944.N1	08-DEC-2009 00:09:05	Straylight	51.500	7	19Bet Ori	0.10000	14000.	103	40637	No
4	GOM_TRA_1PNPDE20091208_001140_000000552085_00002_40637_6945.N1	08-DEC-2009 00:11:40	Straylight	55.000	30	46Eps Ori	1.6940	30000.	110	40637	No
5	GOM_TRA_1PNPDE20091208_001412_000000532085_00002_40637_6946.N1	08-DEC-2009 00:14:12	Twilight_stray	53.000	27	24Gam Ori	1.6360	26000.	106	40637	No
6	GOM_TRA_1PNPDE20091208_001642_000000582085_00002_40637_6947.N1	08-DEC-2009 00:16:42	Bright	58.000	13	87Alp Tau	0.86700	3800.0	116	40637	No
7	GOM_TRA_1PNPDE20091208_001942_000000482085_00002_40637_6948.N1	08-DEC-2009 00:19:42	Bright	48.000	176	23Zet Tau	3.0200	22000.	96	40637	No
8	GOM_TRA_1PNPDE20091208_002211_000000422085_00002_40637_6949.N1	08-DEC-2009 00:22:11	Bright	42.000	114	3lot Aur	2.6930	4600.0	84	40637	No
9	GOM_TRA_1PNPDE20091208_002627_000000492085_00002_40637_6950.N1	08-DEC-2009 00:26:27	Bright	49.000	6	13Alp Aur	0.080000	3400.0	98	40637	No
10	GOM_TRA_1PNPDE20091208_004300_000000492085_00002_40637_6951.N1	08-DEC-2009 00:43:00	Bright	48.500	36	50Alp UMa	1.8000	6300.0	97	40637	No
11	GOM_TRA_1PNPDE20091208_004433_000000542085_00002_40637_6952.N1	08-DEC-2009 00:44:33	Bright	53.500	82	48Bet UMa	2.3650	10600.	107	40637	No
12	GOM_TRA_1PNPDE20091208_004640_000000402085_00002_40637_6953.N1	08-DEC-2009 00:46:40	Bright	40.000	32	77Eps UMa	1.7630	11000.	80	40637	No
13	GOM_TRA_1PNPDE20091208_004858_000000382085_00002_40637_6954.N1	08-DEC-2009 00:48:58	Bright	37.500	39	85Eta UMa	1.8540	24000.	75	40637	No
14	GOM_TRA_1PNPDE20091208_005230_000000422085_00002_40637_6955.N1	08-DEC-2009 00:52:30	Bright	42.000	152	12Alp2CVn	2.8900	11000.	84	40637	No
15	GOM_TRA_1PNPDE20091208_005815_000000362085_00002_40637_6937.N1	08-DEC-2009 00:58:15	Bright	35.500	111	8Eta Boo	2.6800	6000.0	71	40637	No
16	GOM_TRA_1PNPDE20091208_010140_000000642085_00002_40637_6938.N1	08-DEC-2009 01:01:40	Bright	64.000	138	47Eps Vir	2.8280	4700.0	128	40637	No
17	GOM_TRA_1PNPDE20091208_010625_000000482085_00002_40637_6939.N1	08-DEC-2009 01:06:25	Twilight_stray	47.500	121	29Gam Vir	2.7400	7200.0	95	40637	No
18	GOM_TRA_1PNPDE20091208_011228_000000532085_00002_40637_6940.N1	08-DEC-2009 01:12:28	Dark	53.000	100	4Gam Crv	2.5800	13100.	106	40637	No
19	GOM_TRA_1PNPDE20091208_200047_000000532085_00014_40649_7015.N1	08-DEC-2009 20:00:47	Dark	52.500	70	Zet Pup	2.2460	39000.	105	40649	Yes
20	GOM_TRA_1PNPDE20091208_200352_000000582085_00014_40649_7016.N1	08-DEC-2009 20:03:52	Dark	57.500	117	Pi Pup	2.7060	3800.0	115	40649	No
21	GOM_TRA_1PNPDE20091208_200724_000000562085_00014_40649_7017.N1	08-DEC-2009 20:07:24	Dark	56.000	23	21Eps CMa	1.5020	26000.	112	40649	No
22	GOM_TRA_1PNPDE20091208_201231_000000582085_00014_40649_7018.N1	08-DEC-2009 20:12:31	Straylight	58.000	47	2Bet CMa	1.9760	28000.	116	40649	No
23	GOM_TRA_1PNPDE20091208_201616_000000522085_00014_40649_7019.N1	08-DEC-2009 20:16:16	Straylight	51.500	7	19Bet Ori	0.10000	14000.	103	40649	No
24	GOM_TRA_1PNPDE20091208_201849_000000522085_00014_40649_7020.N1	08-DEC-2009 20:18:49	Straylight	52.000	30	46Eps Ori	1.6940	30000.	104	40649	No
25	GOM_TRA_1PNPDE20091208_202119_000000482085_00014_40649_7021.N1	08-DEC-2009 20:21:19	Twilight_stray	47.500	27	24Gam Ori	1.6360	26000.	95	40649	No
26	GOM_TRA_1PNPDE20091208_202351_000000492085_00014_40649_7022.N1	08-DEC-2009 20:23:51	Twilight_stray	48.500	13	87Alp Tau	0.86700	3800.0	97	40649	No
27	GOM_TRA_1PNPDE20091208_202646_000000482085_00014_40649_7023.N1	08-DEC-2009 20:26:46	Bright	47.500	176	23Zet Tau	3.0200	22000.	95	40649	No
28	GOM_TRA_1PNPDE20091208_202918_000000452085_00014_40649_7024.N1	08-DEC-2009 20:29:18	Bright	44.500	114	3lot Aur	2.6930	4600.0	89	40649	No
29	GOM_TRA_1PNPDE20091208_203332_000000482085_00014_40649_7025.N1	08-DEC-2009 20:33:32	Bright	47.500	6	13Alp Aur	0.080000	3400.0	95	40649	No
30	GOM_TRA_1PNPDE20091208_205006_000000482085_00014_40649_7026.N1	08-DEC-2009 20:50:06	Bright	47.500	36	50Alp UMa	1.8000	6300.0	95	40649	No

31	GOM_TRA_1PNPDE20091208_205350_000000452085_00014_40649_7027.N1	08-DEC-2009 20:53:50	Bright	44.500	32	77Eps UMa	1.7630	11000.	89	40649	No
32	GOM_TRA_1PNPDE20091208_205609_000000382085_00014_40649_7028.N1	08-DEC-2009 20:56:09	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	40649	No
33	GOM_TRA_1PNPDE20091208_205942_000000632085_00014_40649_7029.N1	08-DEC-2009 20:59:42	Bright	63.000	152	12Alp2CVn	2.8900	11000.	126	40649	No
34	GOM_TRA_1PNPDE20091208_210529_000000372085_00014_40649_7030.N1	08-DEC-2009 21:05:29	Bright	37.000	111	8Eta Boo	2.6800	6000.0	74	40649	No
35	GOM_TRA_1PNPDE20091208_210857_000000652085_00014_40649_7031.N1	08-DEC-2009 21:08:57	Bright	65.000	138	47Eps Vir	2.8280	4700.0	130	40649	No
36	GOM_TRA_1PNPDE20091208_211346_000000512085_00014_40649_7034.N1	08-DEC-2009 21:13:46	Tw_i_and_stray	50.500	121	29Gam Vir	2.7400	7200.0	101	40649	Yes
37	GOM_TRA_1PNPDE20091208_211817_000000442085_00014_40649_7035.N1	08-DEC-2009 21:18:17	Tw_i_and_stray	43.500	169	46Gam Hya	2.9910	4700.0	87	40649	No
38	GOM_TRA_1PNPDE20091208_211952_000000522085_00014_40649_7036.N1	08-DEC-2009 21:19:52	Dark	52.000	100	4Gam Crv	2.5800	13100.	104	40649	No
39	GOM_TRA_1PNPDE20091208_212129_000000552085_00014_40649_7037.N1	08-DEC-2009 21:21:29	Dark	55.000	171	2Eps Crv	3.0010	4250.0	110	40649	No
40	GOM_TRA_1PNPDE20091208_213044_000000462085_00015_40650_7038.N1	08-DEC-2009 21:30:44	Dark	45.500	113	Mu Vel	2.6920	5000.0	91	40650	No
41	GOM_TRA_1PNPDE20091208_213924_000000472085_00015_40650_7039.N1	08-DEC-2009 21:39:24	Dark	47.000	34	Gam2Vel	1.7930	23000.	94	40650	No
42	GOM_TRA_1PNPDE20091208_214124_000000542085_00015_40650_7040.N1	08-DEC-2009 21:41:24	Dark	54.000	70	Zet Pup	2.2460	39000.	108	40650	No
43	GOM_TRA_1PNPDE20091208_214429_000000542085_00015_40650_7041.N1	08-DEC-2009 21:44:29	Dark	54.000	117	Pi Pup	2.7060	3800.0	108	40650	No
44	GOM_TRA_1PNPDE20091208_214657_000000262085_00015_40650_7042.N1	08-DEC-2009 21:46:57	Dark	26.000	88	31Eta CMa	2.4480	20000.	52	40650	No
45	GOM_TRA_1PNPDE20091208_214800_000000572085_00015_40650_7043.N1	08-DEC-2009 21:48:00	Dark	57.000	23	21Eps CMa	1.5020	26000.	114	40650	No
46	GOM_TRA_1PNPDE20091208_215307_000000582085_00015_40650_7044.N1	08-DEC-2009 21:53:07	Straylight	57.500	47	2Bet CMa	1.9760	28000.	115	40650	No
47	GOM_TRA_1PNPDE20091208_215652_000000522085_00015_40650_7045.N1	08-DEC-2009 21:56:52	Straylight	51.500	7	19Bet Ori	0.10000	14000.	103	40650	No
48	GOM_TRA_1PNPDE20091208_215925_000000522085_00015_40650_7046.N1	08-DEC-2009 21:59:25	Straylight	52.000	30	46Eps Ori	1.6940	30000.	104	40650	No
49	GOM_TRA_1PNPDE20091208_220154_000000512085_00015_40650_7047.N1	08-DEC-2009 22:01:54	Tw_i_and_stray	50.500	27	24Gam Ori	1.6360	26000.	101	40650	No
50	GOM_TRA_1PNPDE20091208_220427_000000502085_00015_40650_7048.N1	08-DEC-2009 22:04:27	Tw_i_and_stray	50.000	13	87Alp Tau	0.86700	3800.0	100	40650	No
51	GOM_TRA_1PNPDE20091208_220721_000000482085_00015_40650_7049.N1	08-DEC-2009 22:07:21	Bright	47.500	176	23Zet Tau	3.0200	22000.	95	40650	No
52	GOM_TRA_1PNPDE20091208_220953_000000422085_00015_40650_7050.N1	08-DEC-2009 22:09:53	Bright	42.000	114	3lot Aur	2.6930	4600.0	84	40650	No
53	GOM_TRA_1PNPDE20091208_221408_000000442085_00015_40650_7051.N1	08-DEC-2009 22:14:08	Bright	44.000	6	13Alp Aur	0.080000	3400.0	88	40650	No
54	GOM_TRA_1PNPDE20091208_223041_000000492085_00015_40650_7052.N1	08-DEC-2009 22:30:41	Bright	49.000	36	50Alp UMa	1.8000	6300.0	98	40650	No
55	GOM_TRA_1PNPDE20091208_223426_000000422085_00015_40650_7053.N1	08-DEC-2009 22:34:26	Bright	41.500	32	77Eps UMa	1.7630	11000.	83	40650	No
56	GOM_TRA_1PNPDE20091208_223645_000000402085_00015_40650_7054.N1	08-DEC-2009 22:36:45	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	40650	No
57	GOM_TRA_1PNPDE20091208_224017_000000442085_00015_40650_7055.N1	08-DEC-2009 22:40:17	Bright	43.500	152	12Alp2CVn	2.8900	11000.	87	40650	No
58	GOM_TRA_1PNPDE20091208_224606_000000382085_00015_40650_7056.N1	08-DEC-2009 22:46:06	Bright	37.500	111	8Eta Boo	2.6800	6000.0	75	40650	No
59	GOM_TRA_1PNPDE20091208_224934_000000652085_00015_40650_7057.N1	08-DEC-2009 22:49:34	Bright	65.000	138	47Eps Vir	2.8280	4700.0	130	40650	No
60	GOM_TRA_1PNPDE20091208_225422_000000522085_00015_40650_7058.N1	08-DEC-2009 22:54:22	Tw_i_and_stray	51.500	121	29Gam Vir	2.7400	7200.0	103	40650	No
61	GOM_TRA_1PNPDE20091208_225854_000000422085_00015_40650_7056.N1	08-DEC-2009 22:58:54	Tw_i_and_stray	42.000	169	46Gam Hya	2.9910	4700.0	84	40650	No
62	GOM_TRA_1PNPDE20091208_230206_000000552085_00015_40650_7057.N1	08-DEC-2009 23:02:06	Dark	55.000	171	2Eps Crv	3.0010	4250.0	110	40650	No
63	GOM_TRA_1PNPDE20091208_231121_000000452085_00016_40651_7058.N1	08-DEC-2009 23:11:21	Dark	44.500	113	Mu Vel	2.6920	5000.0	89	40651	No
64	GOM_TRA_1PNPDE20091208_232001_000000482085_00016_40651_7059.N1	08-DEC-2009 23:20:01	Dark	48.000	34	Gam2Vel	1.7930	23000.	96	40651	No
65	GOM_TRA_1PNPDE20091208_232201_000000552085_00016_40651_7060.N1	08-DEC-2009 23:22:01	Dark	54.500	70	Zet Pup	2.2460	39000.	109	40651	No
66	GOM_TRA_1PNPDE20091208_232506_000000582085_00016_40651_7061.N1	08-DEC-2009 23:25:06	Dark	57.500	117	Pi Pup	2.7060	3800.0	115	40651	No
67	GOM_TRA_1PNPDE20091208_232733_000000262085_00016_40651_7062.N1	08-DEC-2009 23:27:33	Dark	26.000	88	31Eta CMa	2.4480	20000.	52	40651	No
68	GOM_TRA_1PNPDE20091208_232836_000000592085_00016_40651_7063.N1	08-DEC-2009 23:28:36	Dark	59.000	23	21Eps CMa	1.5020	26000.	118	40651	No
69	GOM_TRA_1PNPDE20091208_233343_000000582085_00016_40651_7064.N1	08-DEC-2009 23:33:43	Straylight	58.000	47	2Bet CMa	1.9760	28000.	116	40651	No
70	GOM_TRA_1PNPDE20091208_233728_000000492085_00016_40651_7065.N1	08-DEC-2009 23:37:28	Straylight	49.000	7	19Bet Ori	0.10000	14000.	98	40651	No
71	GOM_TRA_1PNPDE20091208_234000_000000552085_00016_40651_7066.N1	08-DEC-2009 23:40:00	Straylight	55.000	30	46Eps Ori	1.6940	30000.	110	40651	No
72	GOM_TRA_1PNPDE20091208_234230_000000512085_00016_40651_7067.N1	08-DEC-2009 23:42:30	Tw_i_and_stray	50.500	27	24Gam Ori	1.6360	26000.	101	40651	No
73	GOM_TRA_1PNPDE20091208_234502_000000532085_00016_40651_7068.N1	08-DEC-2009 23:45:02	Bright	53.000	13	87Alp Tau	0.86700	3800.0	106	40651	No
74	GOM_TRA_1PNPDE20091208_234757_000000472085_00016_40651_7069.N1	08-DEC-2009 23:47:57	Bright	47.000	176	23Zet Tau	3.0200	22000.	94	40651	No
75	GOM_TRA_1PNPDE20091208_235028_000000432085_00016_40651_7070.N1	08-DEC-2009 23:50:28	Bright	43.000	114	3lot Aur	2.6930	4600.0	86	40651	No
76	GOM_TRA_1PNPDE20091208_235443_000000472085_00016_40651_7071.N1	08-DEC-2009 23:54:43	Bright	46.500	6	13Alp Aur	0.080000	3400.0	93	40651	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).

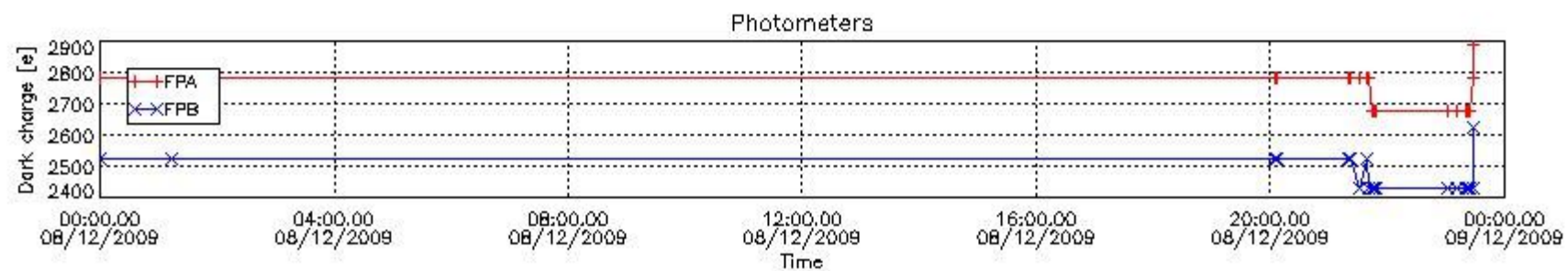
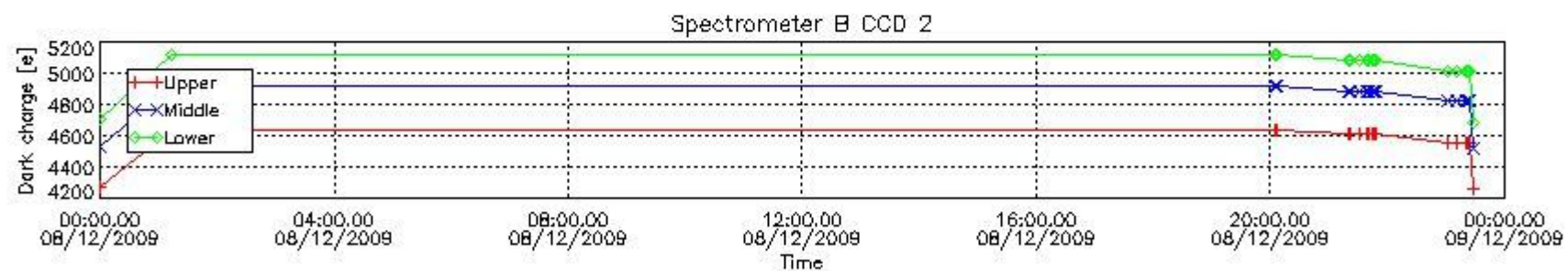
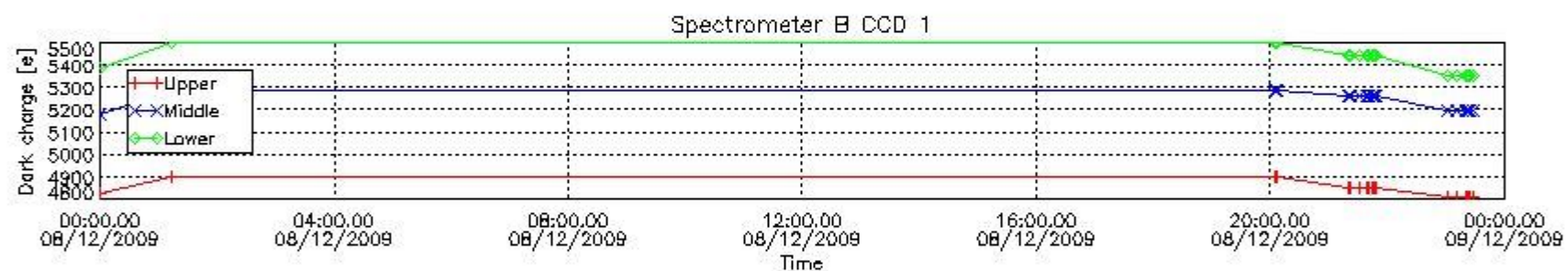
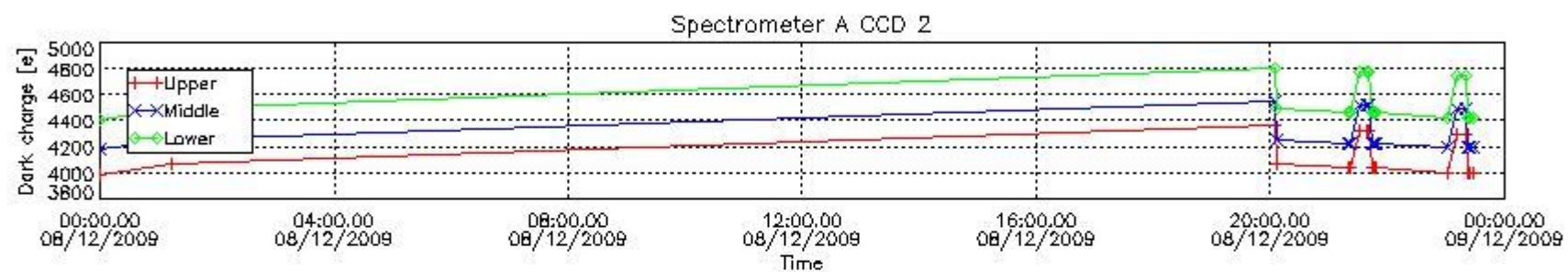
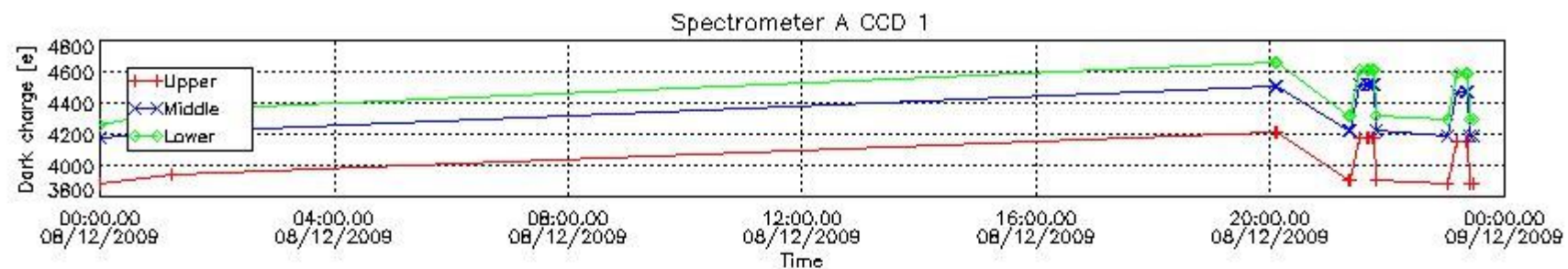
In this section a list of products that did not use the Dark Sky Area (DSA) observation for the DC computation is given. It is also provided the mean DC plot per product for dark limb products with no error flag set.

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

Product name	DC information
GOM_TRA_1PNPDE20091208_005815_000000362085_00002_40637_6937.N1	DC map used
GOM_TRA_1PNPDE20091208_010140_000000642085_00002_40637_6938.N1	DC map used
GOM_TRA_1PNPDE20091208_010625_000000482085_00002_40637_6939.N1	DC map used
GOM_TRA_1PNPDE20091208_011228_000000532085_00002_40637_6940.N1	DC map used
GOM_TRA_1PNPDE20091208_200047_000000532085_00014_40649_7015.N1	DC map with no T dep.
GOM_TRA_1PNPDE20091208_200352_000000582085_00014_40649_7016.N1	DC map used
GOM_TRA_1PNPDE20091208_200724_000000562085_00014_40649_7017.N1	DC map used
GOM_TRA_1PNPDE20091208_201231_000000582085_00014_40649_7018.N1	DC map used
GOM_TRA_1PNPDE20091208_201616_000000522085_00014_40649_7019.N1	DC map used
GOM_TRA_1PNPDE20091208_201849_000000522085_00014_40649_7020.N1	DC map used
GOM_TRA_1PNPDE20091208_202119_000000482085_00014_40649_7021.N1	DC map used
GOM_TRA_1PNPDE20091208_202351_000000492085_00014_40649_7022.N1	DC map used
GOM_TRA_1PNPDE20091208_202646_000000482085_00014_40649_7023.N1	DC map used
GOM_TRA_1PNPDE20091208_202918_000000452085_00014_40649_7024.N1	DC map used

GOM_TRA_1PNPDE20091208_203332_000000482085_00014_40649_7025.N1	DC map used
GOM_TRA_1PNPDE20091208_205006_000000482085_00014_40649_7026.N1	DC map used
GOM_TRA_1PNPDE20091208_205350_000000452085_00014_40649_7027.N1	DC map used
GOM_TRA_1PNPDE20091208_205609_000000382085_00014_40649_7028.N1	DC map used
GOM_TRA_1PNPDE20091208_205942_000000632085_00014_40649_7029.N1	DC map used
GOM_TRA_1PNPDE20091208_210529_000000372085_00014_40649_7030.N1	DC map used
GOM_TRA_1PNPDE20091208_210857_000000652085_00014_40649_7031.N1	DC map used

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



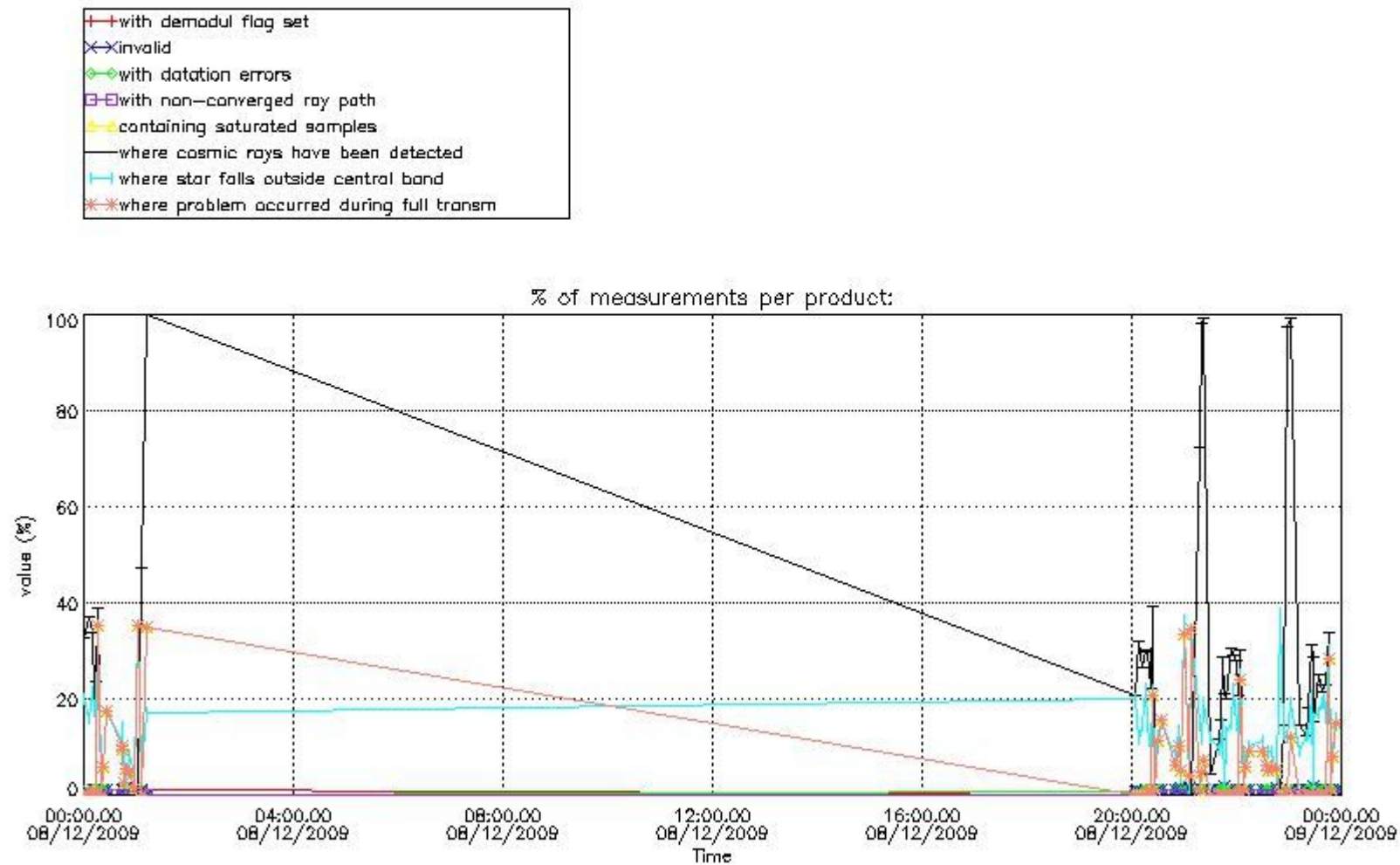
5. Demodulation flag and quality information monitoring

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

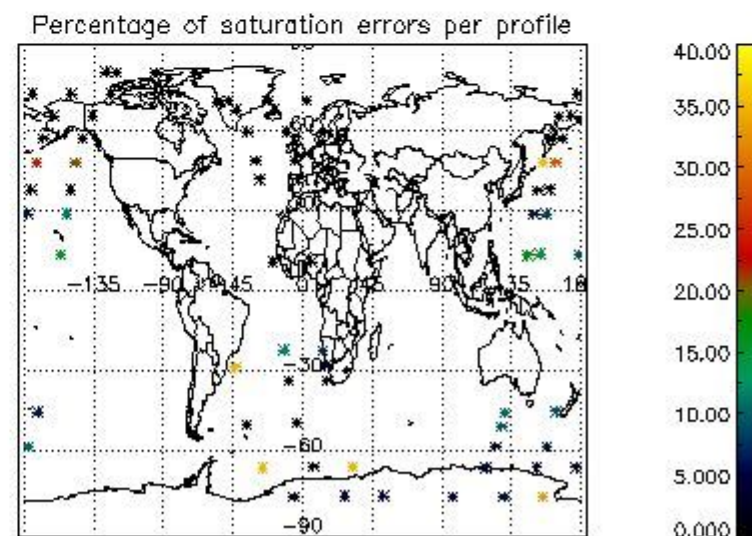
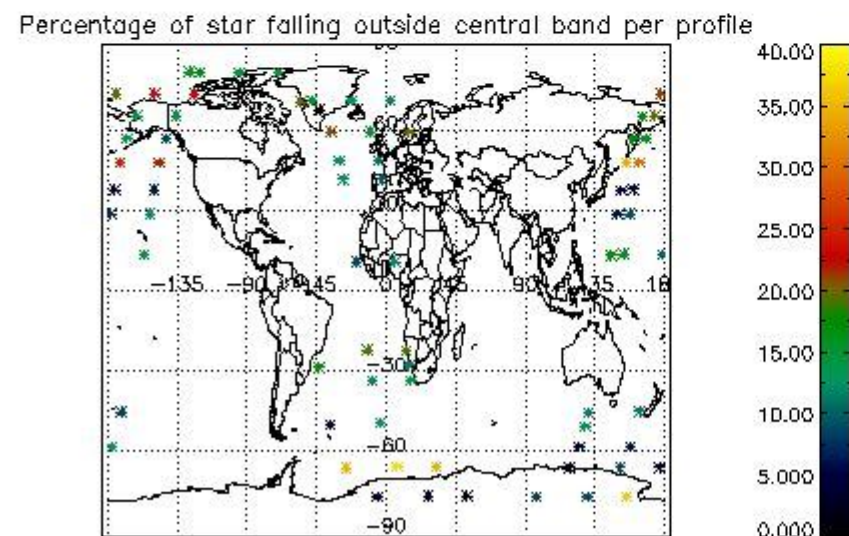
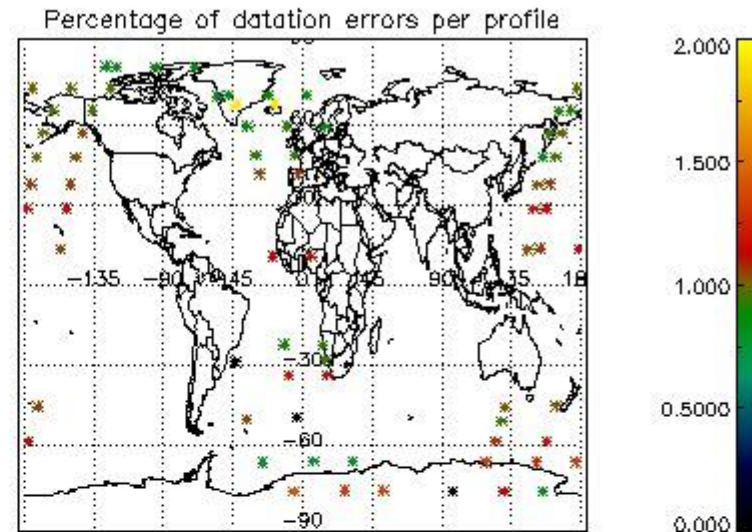
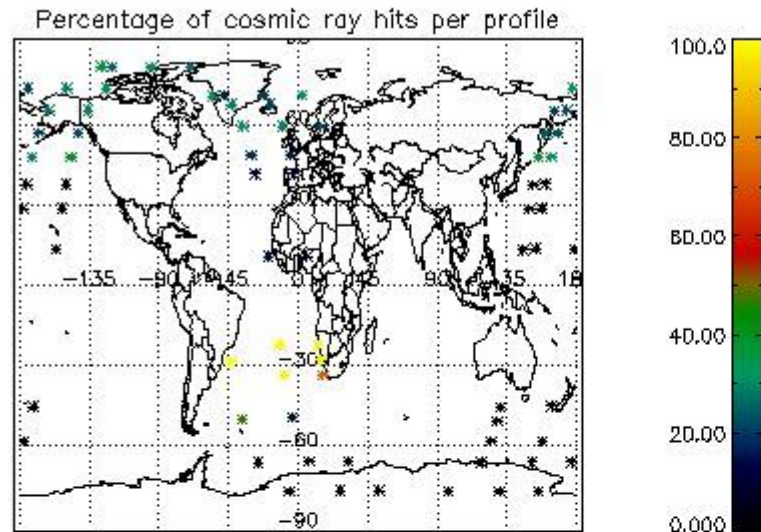
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	47.2973 %
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)



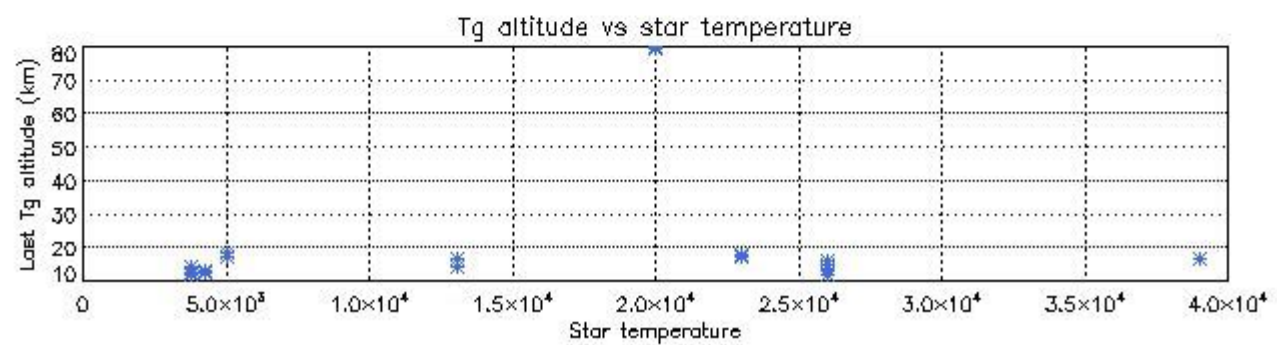
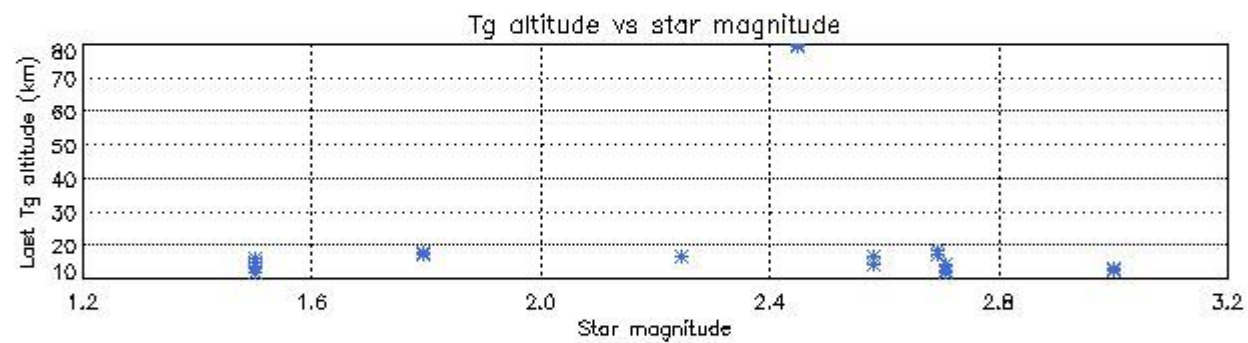
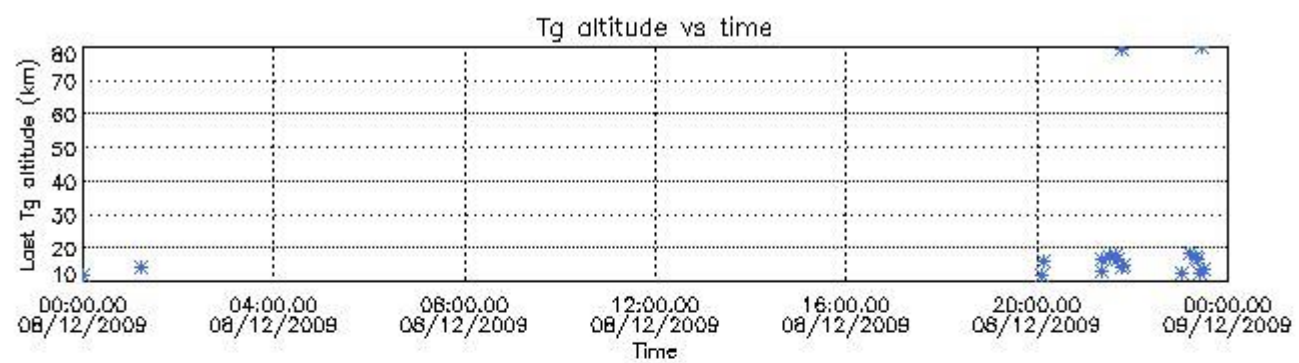
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	21.799	16.563	NaN
St. deviation:	20.508	6.3565	NaN
Maximum:	79.723	25.054	NaN
Minimum:	11.896	3.7457	NaN
Number of data:	19.000	33.000	NaN

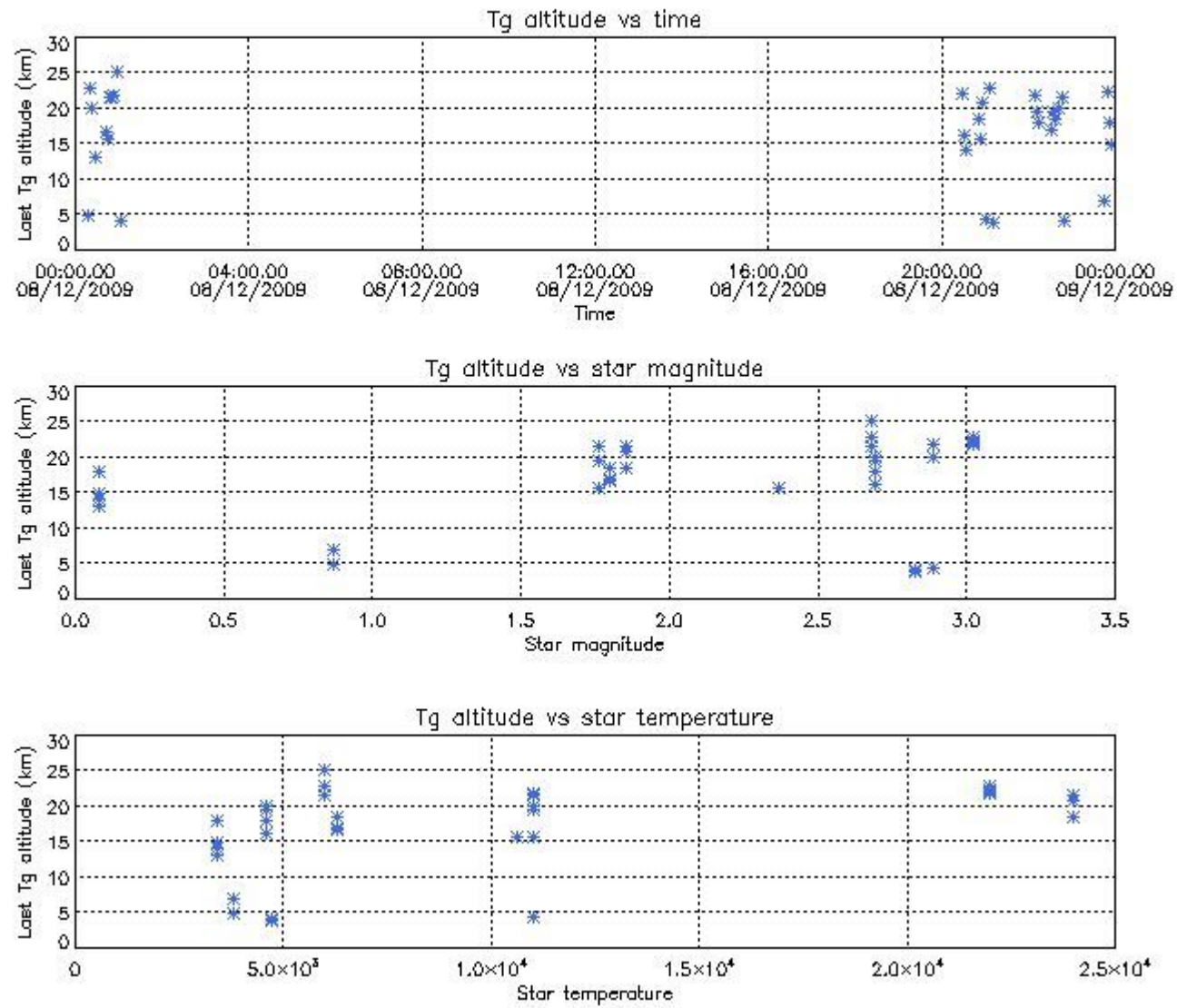
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

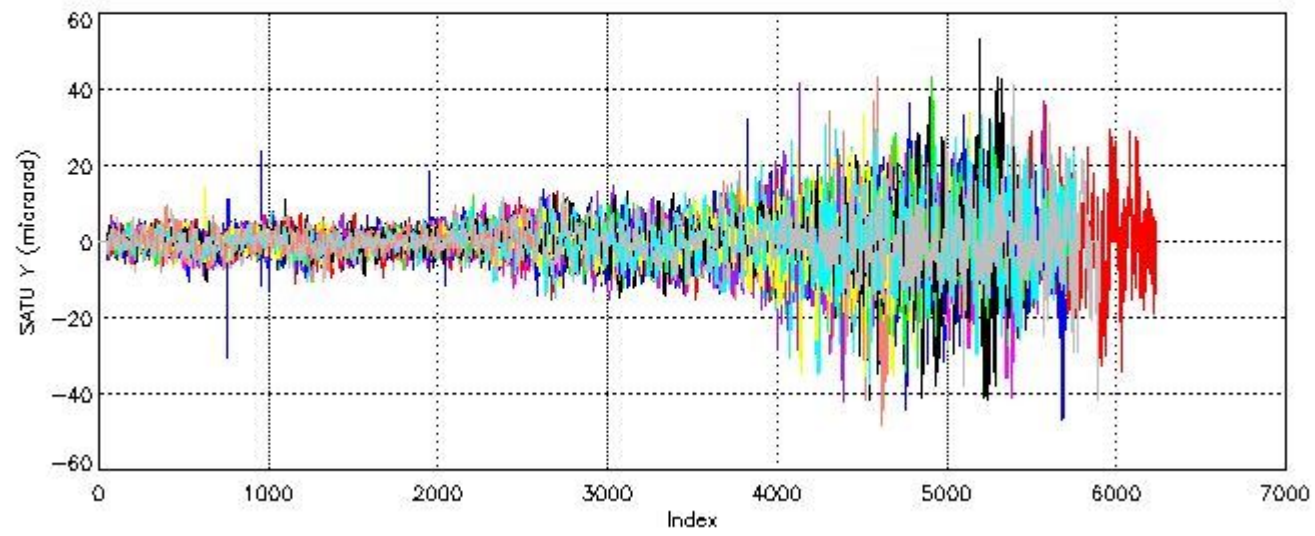
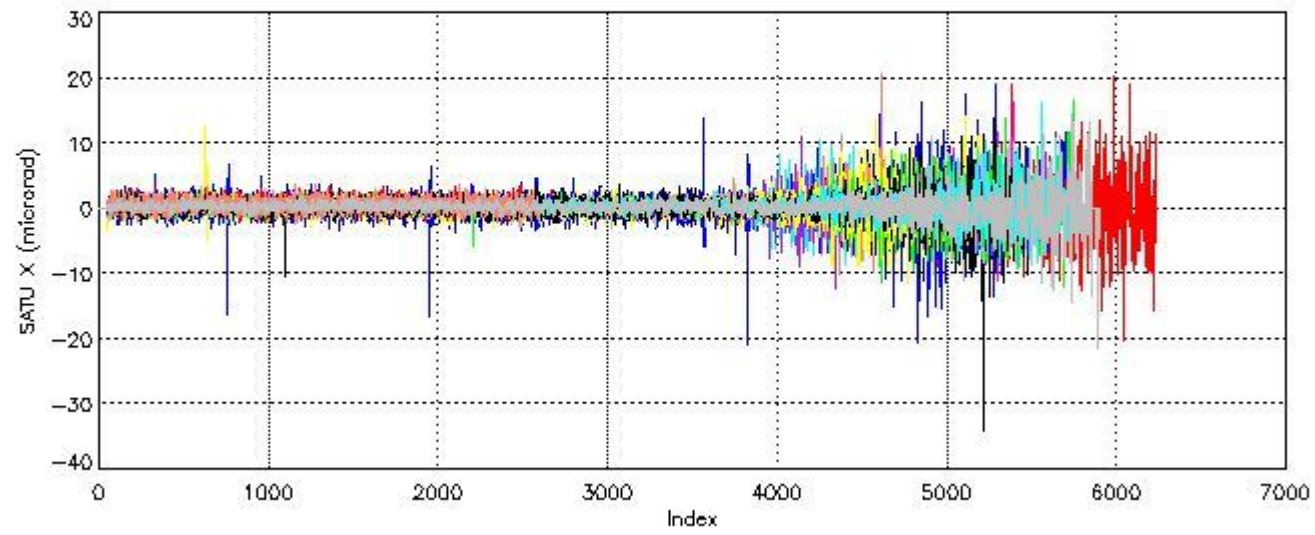


7. Star Acquisition and Tracking Unit (SATU)

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:	0.28425	-0.029779	0.18773	-0.18450
St. deviation:	0.65303	2.3488	0.76589	2.4094
Maximum:	12.600	23.900	5.8000	10.900
Minimum:	-16.500	-30.700	-5.5000	-11.500

Number of data:	22050.	22050.	33000.	33000.
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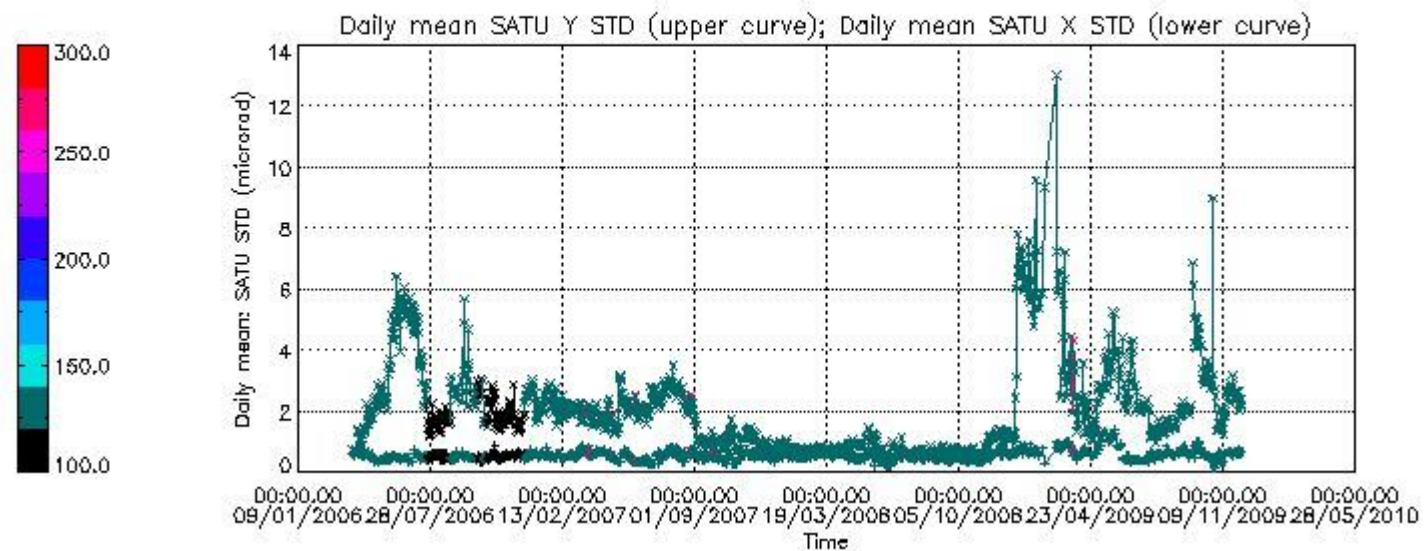
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

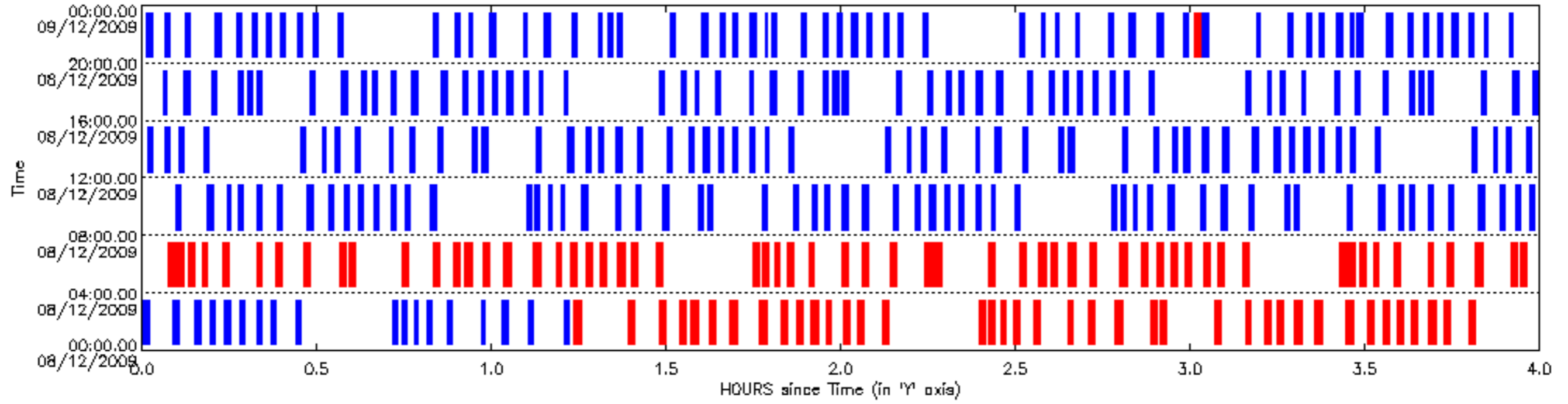
Lower curve: STD of SATU X axis

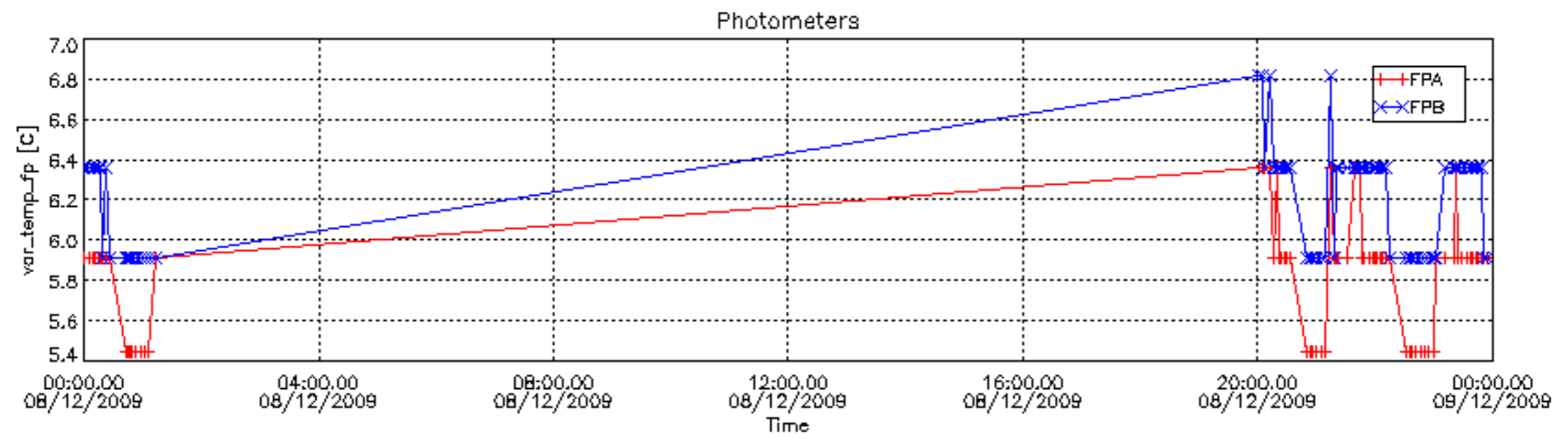
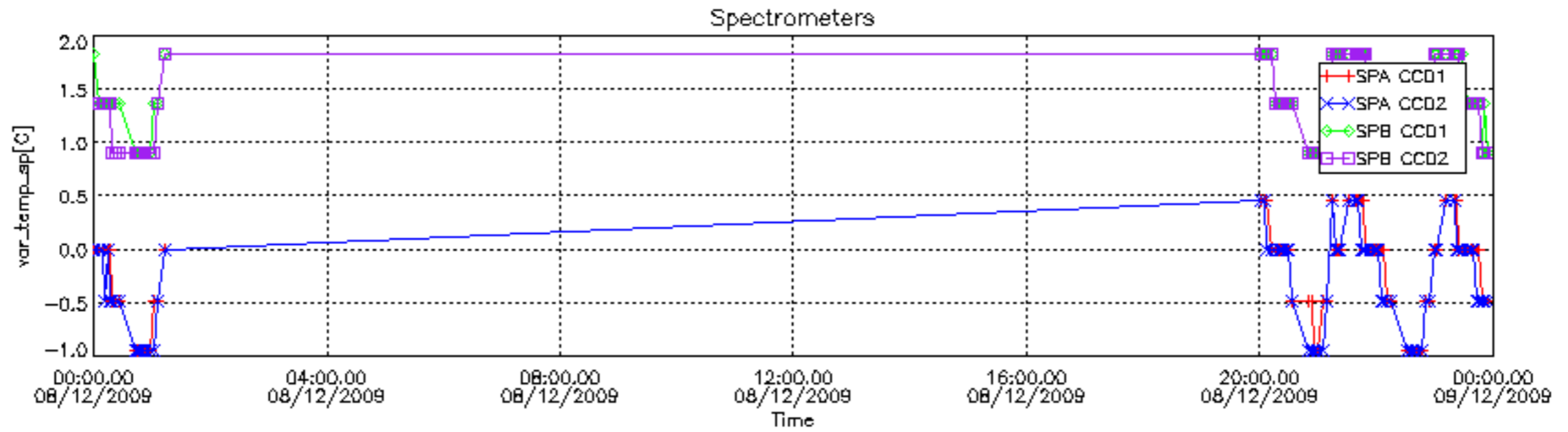


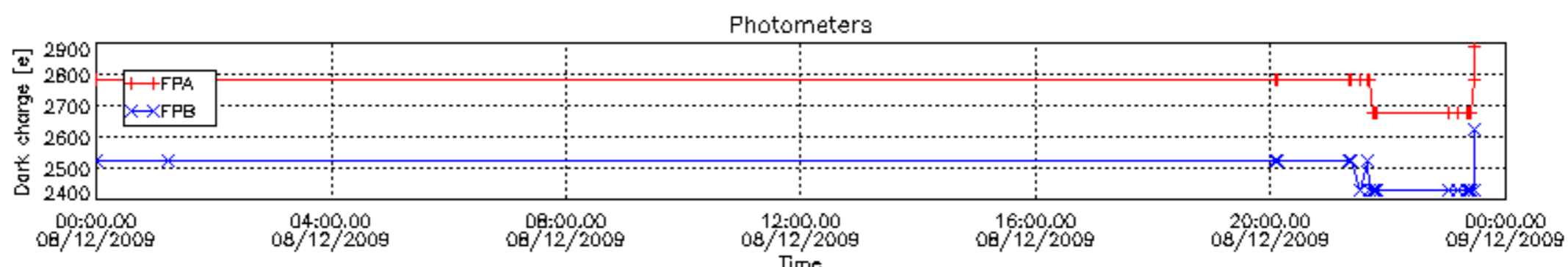
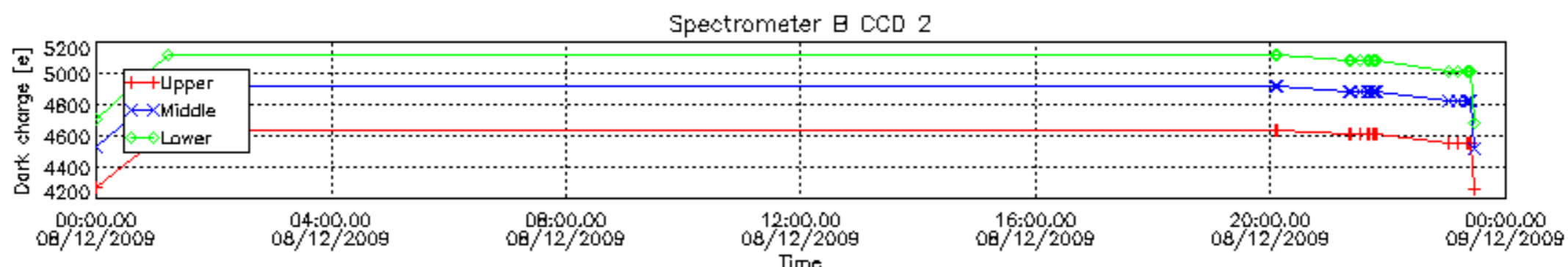
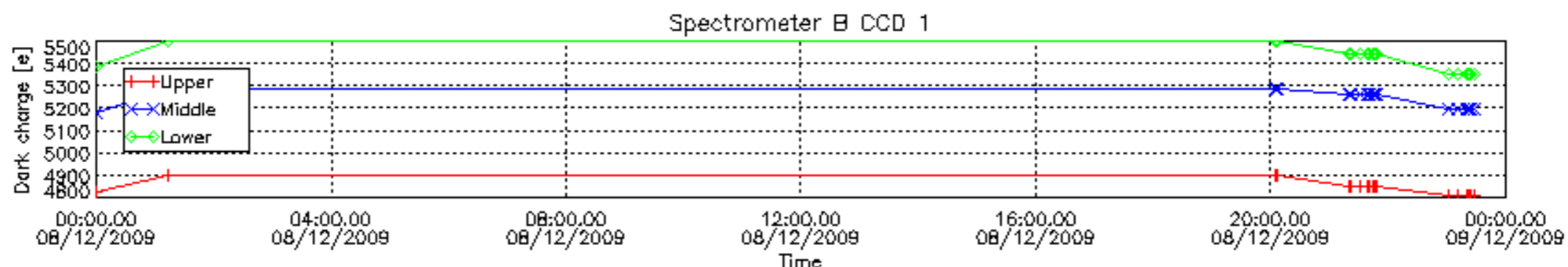
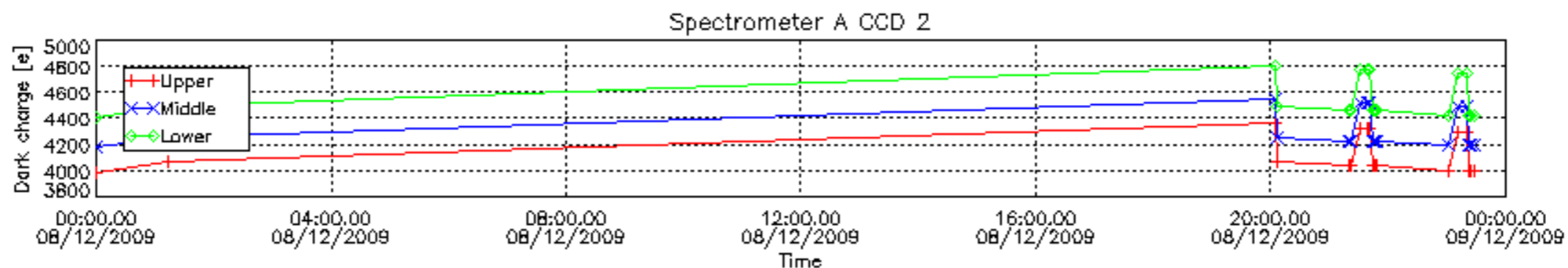
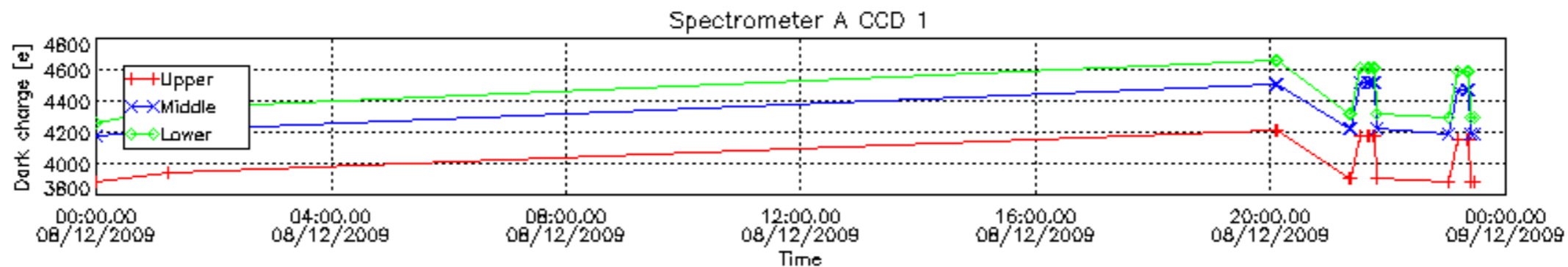
8. Auxiliary Data Files used for the production reported in section 2.4

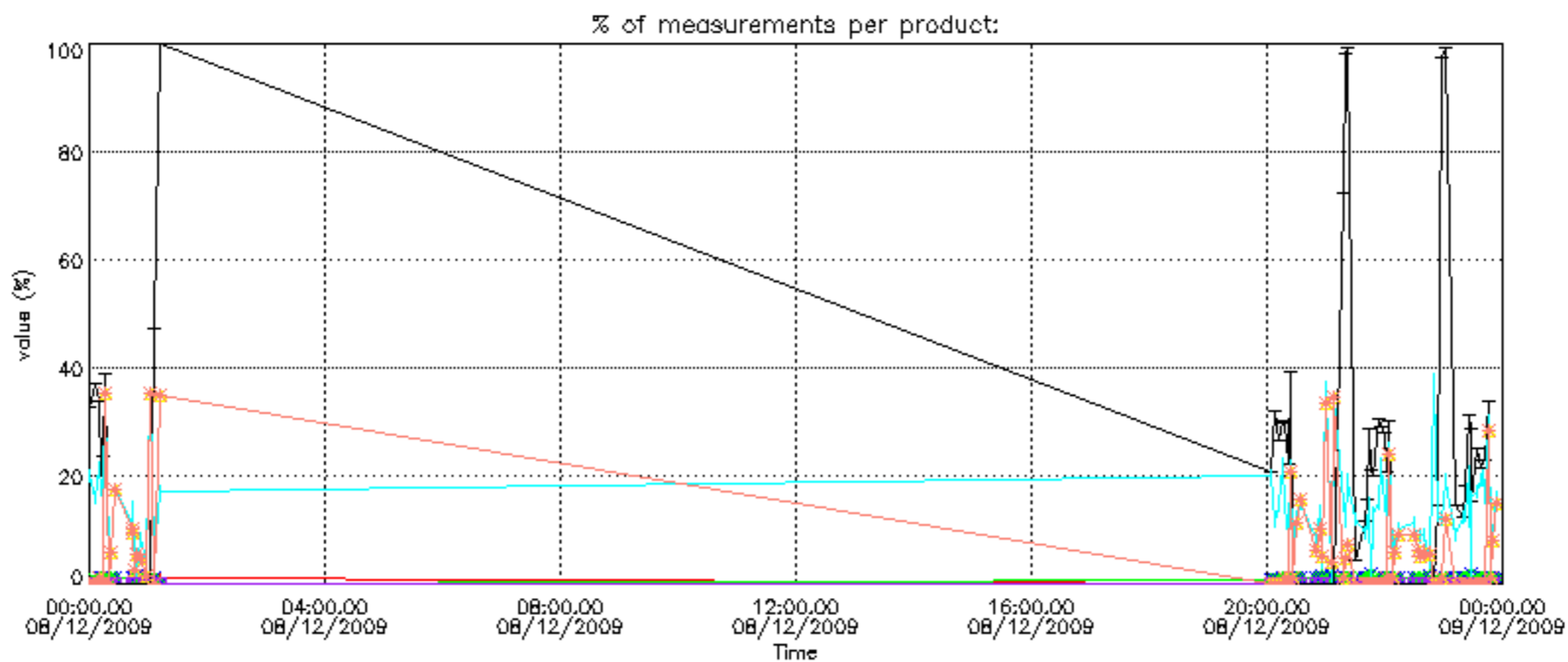
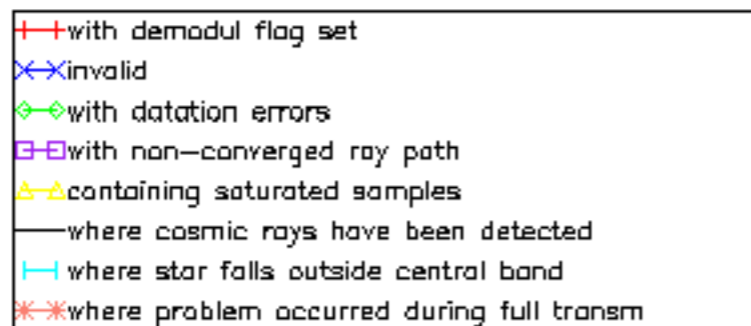
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	08-DEC-2009 00:00:06
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20091207_160509_20091205_000000_20500101_000000	1	08-DEC-2009 00:00:06
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	08-DEC-2009 00:00:06
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	08-DEC-2009 00:00:06
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	08-DEC-2009 00:00:06
ECMWF_FILE	AUX_ECF_AXNECM20091207_064111_20091207_210000_20091208_090000	1	08-DEC-2009 00:00:06
ECMWF_FILE	AUX_ECF_AXNECM20091208_064110_20091208_150000_20091209_030000	19	08-DEC-2009 20:00:47
ECMWF_FILE	AUX_ECF_AXNECM20091208_064110_20091208_210000_20091209_090000	36	08-DEC-2009 21:13:46
OPTIONAL_ECMWF_FILE	MISSING	1	08-DEC-2009 00:00:06
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091207_231153_000057382085_00001_40636_9315.N1	1	08-DEC-2009 00:00:06
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091208_005250_000047822085_00002_40637_9316.N1	15	08-DEC-2009 00:58:15
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091208_200029_000038252085_00014_40649_9318.N1	19	08-DEC-2009 20:00:47
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091208_210933_000060572085_00014_40649_9319.N1	36	08-DEC-2009 21:13:46
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20091208_225549_000057382085_00015_40650_9320.N1	61	08-DEC-2009 22:58:54

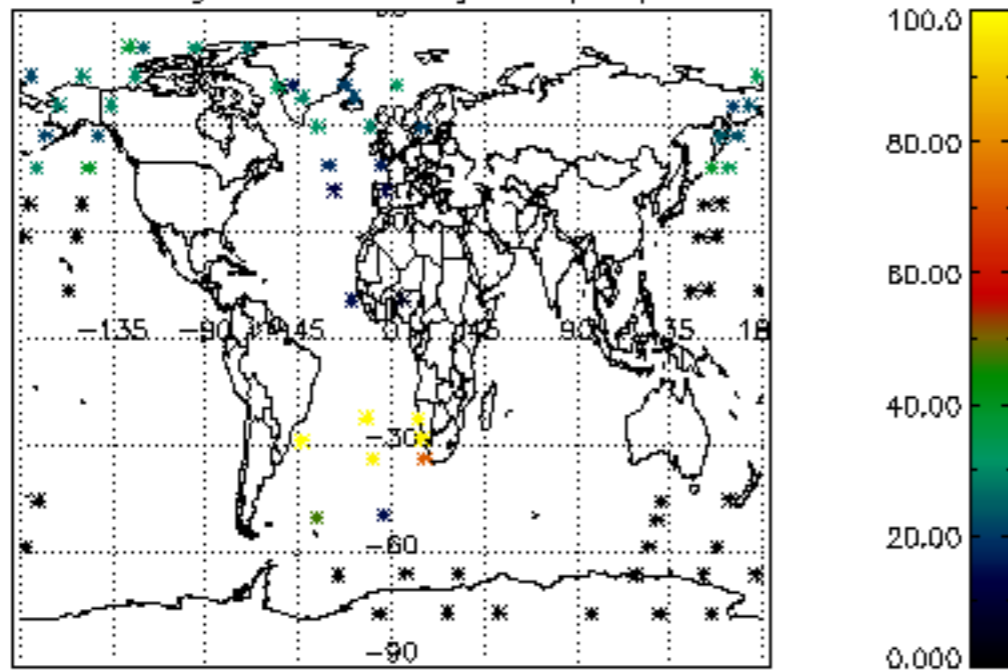




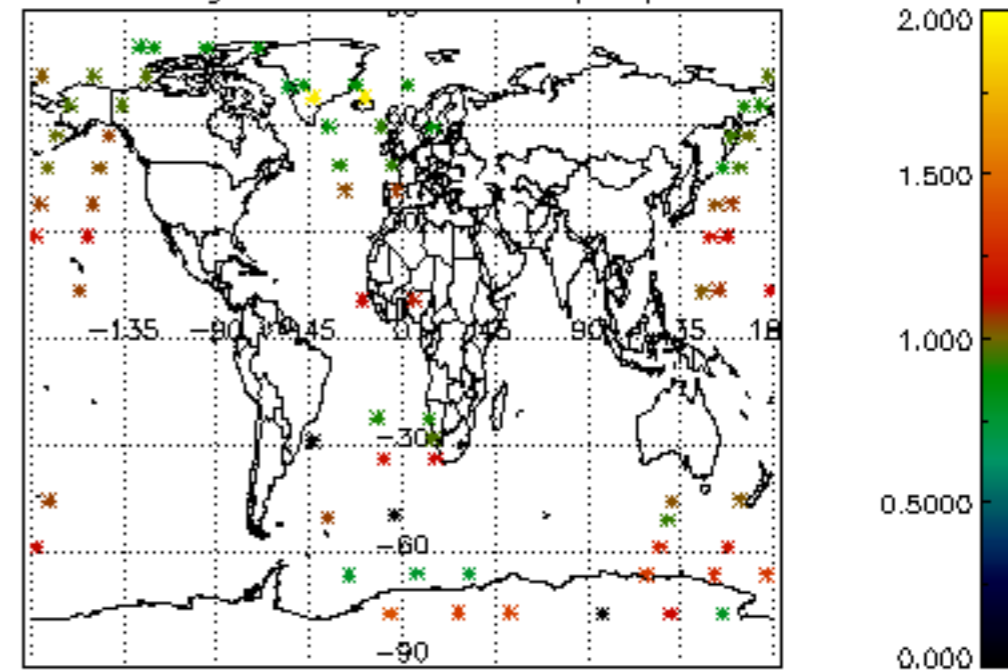




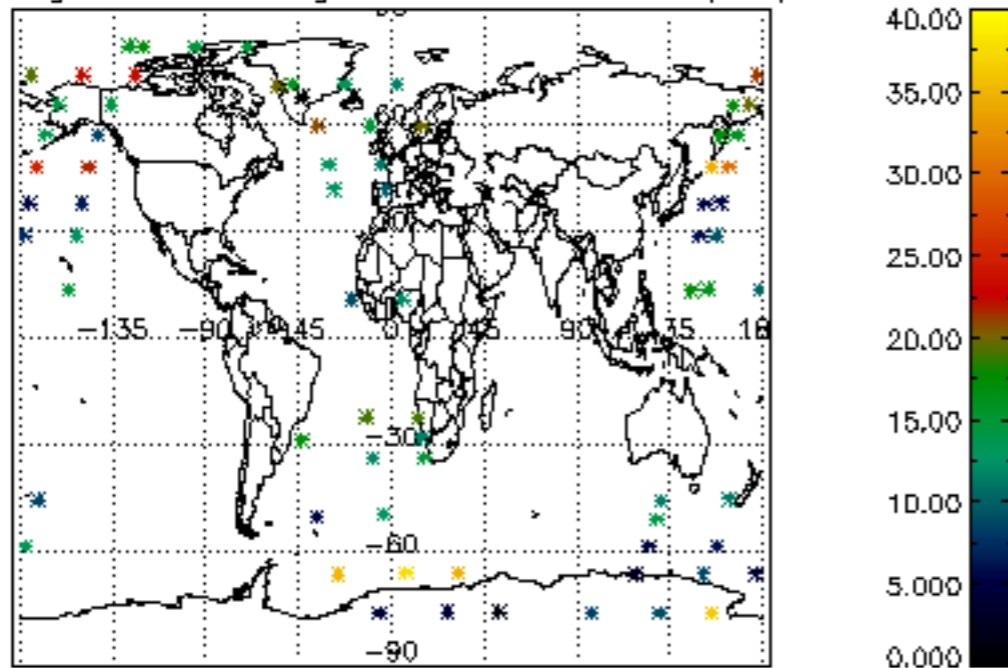
Percentage of cosmic ray hits per profile



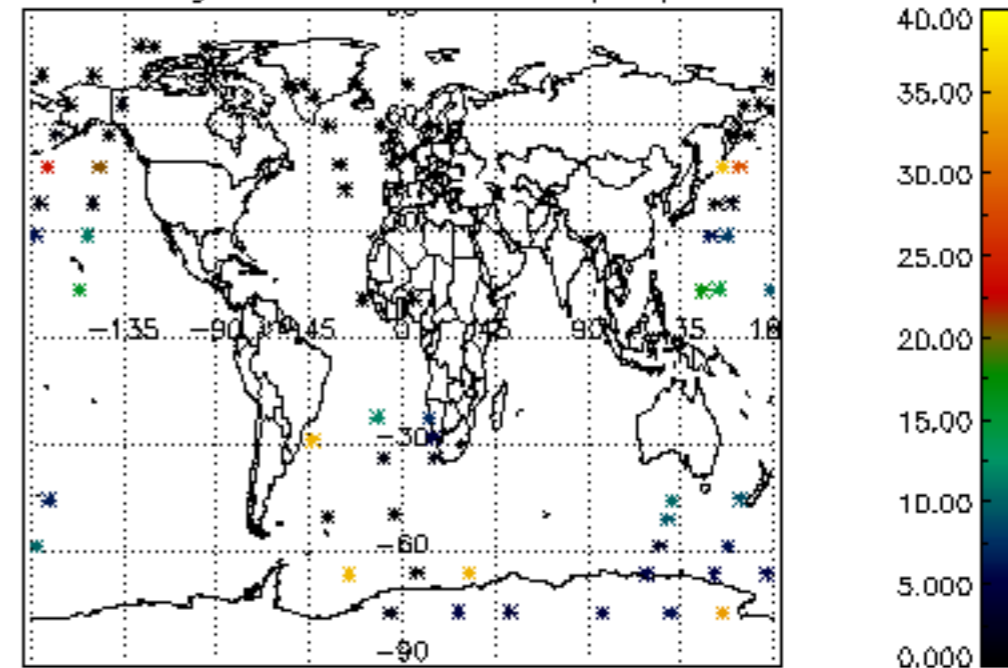
Percentage of datation errors per profile



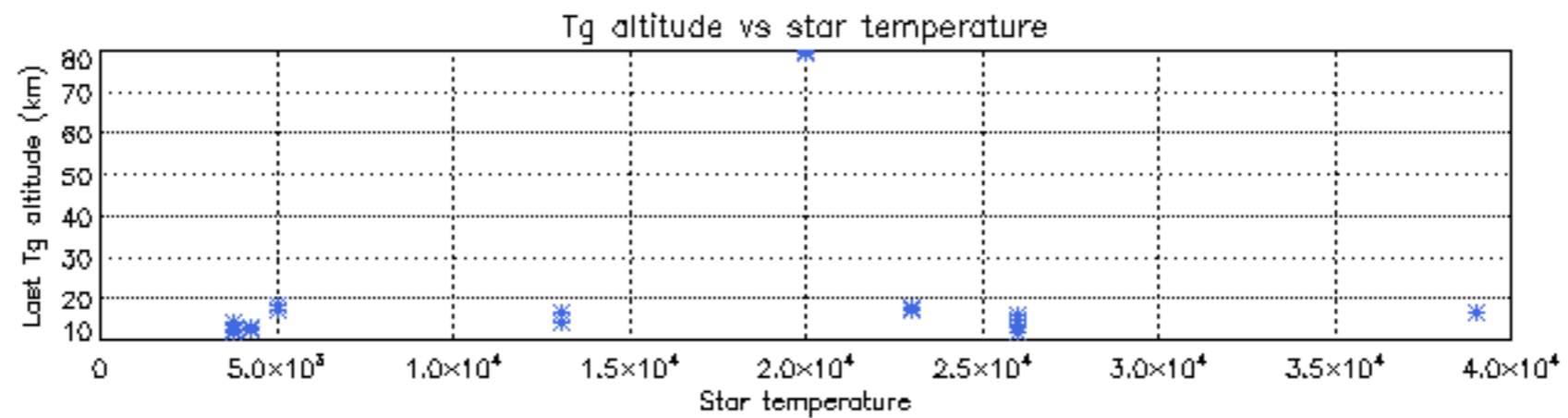
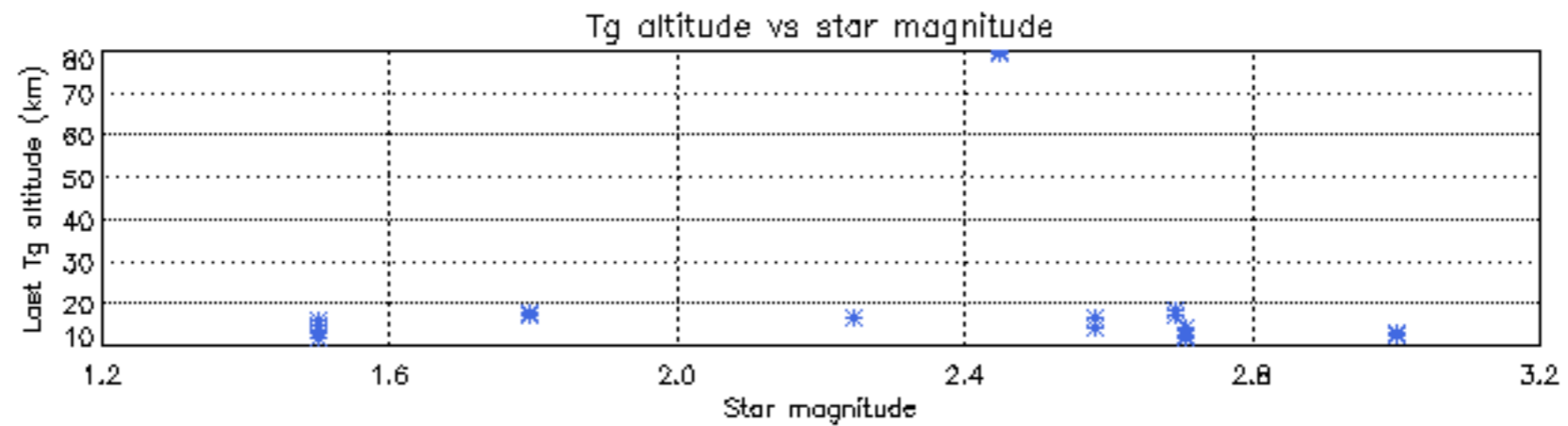
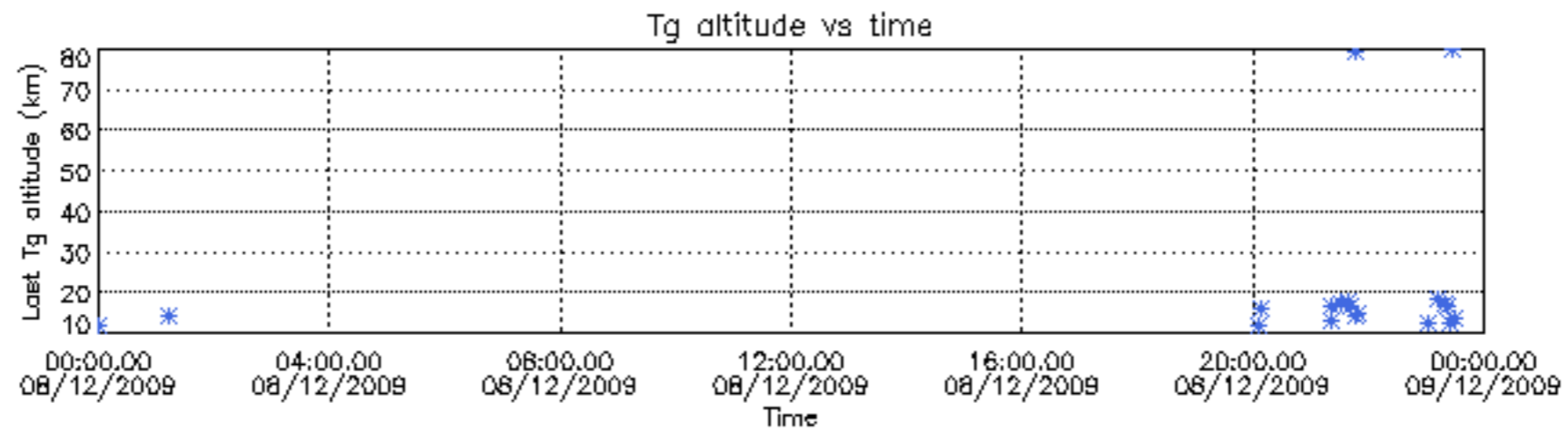
Percentage of star falling outside central band per profile



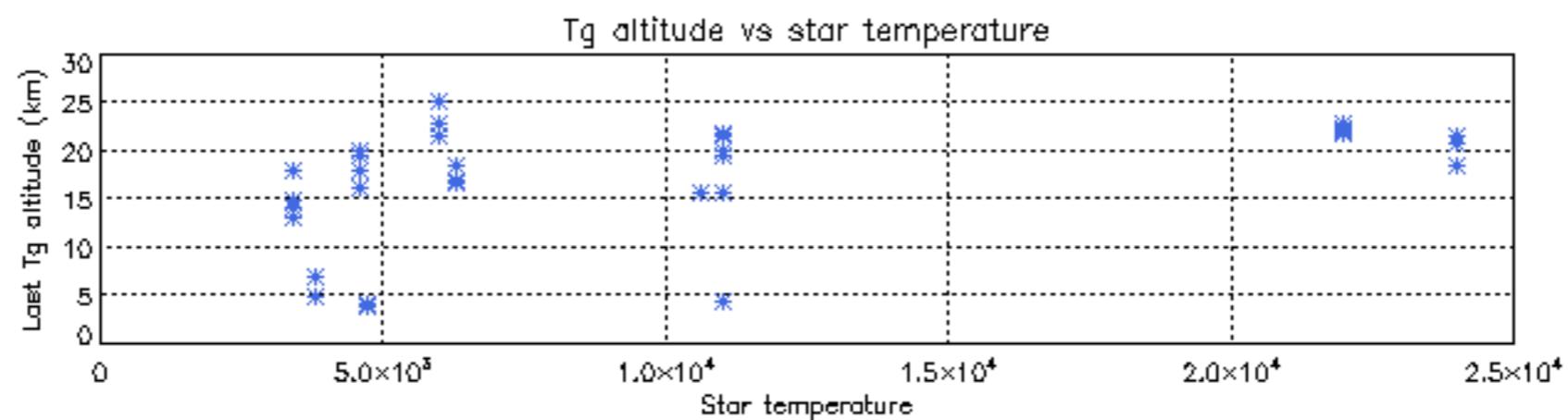
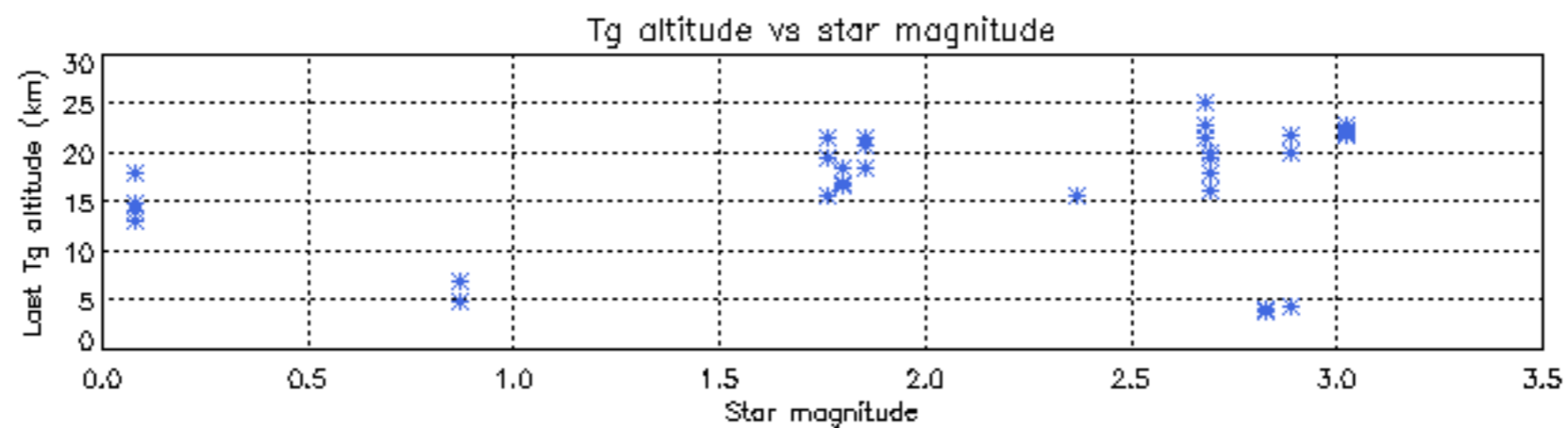
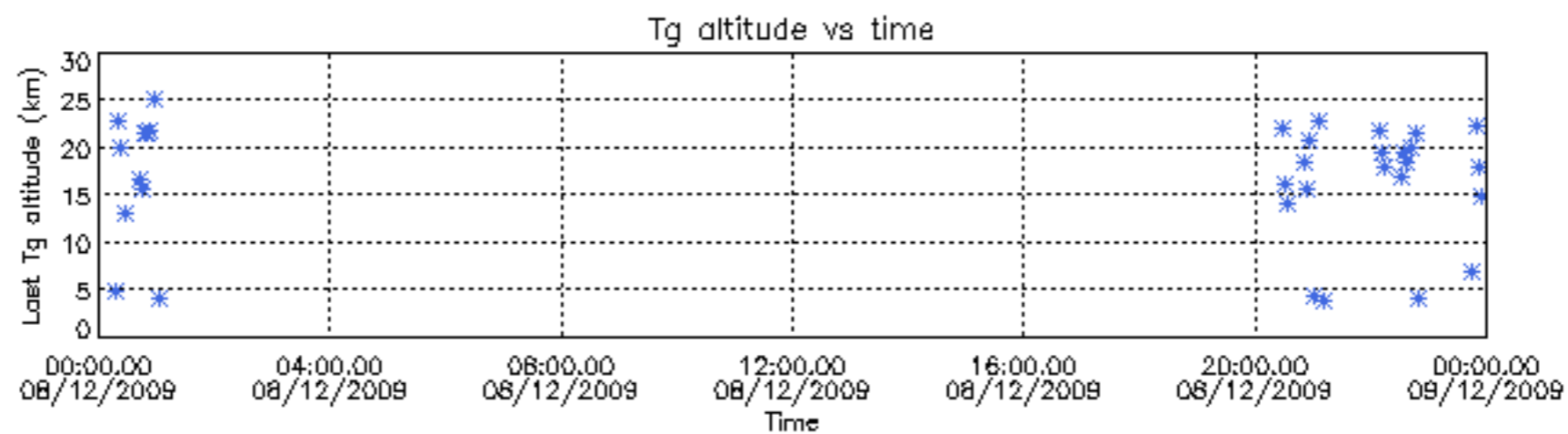
Percentage of saturation errors per profile

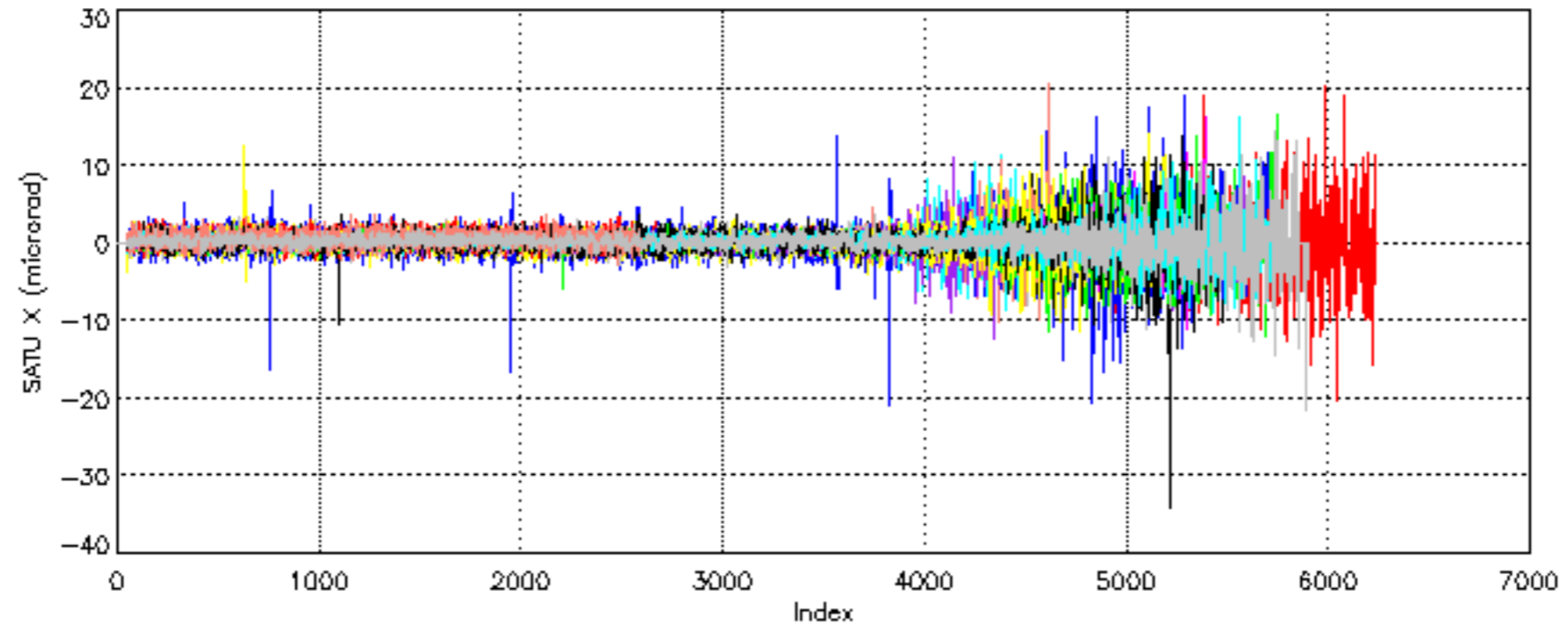


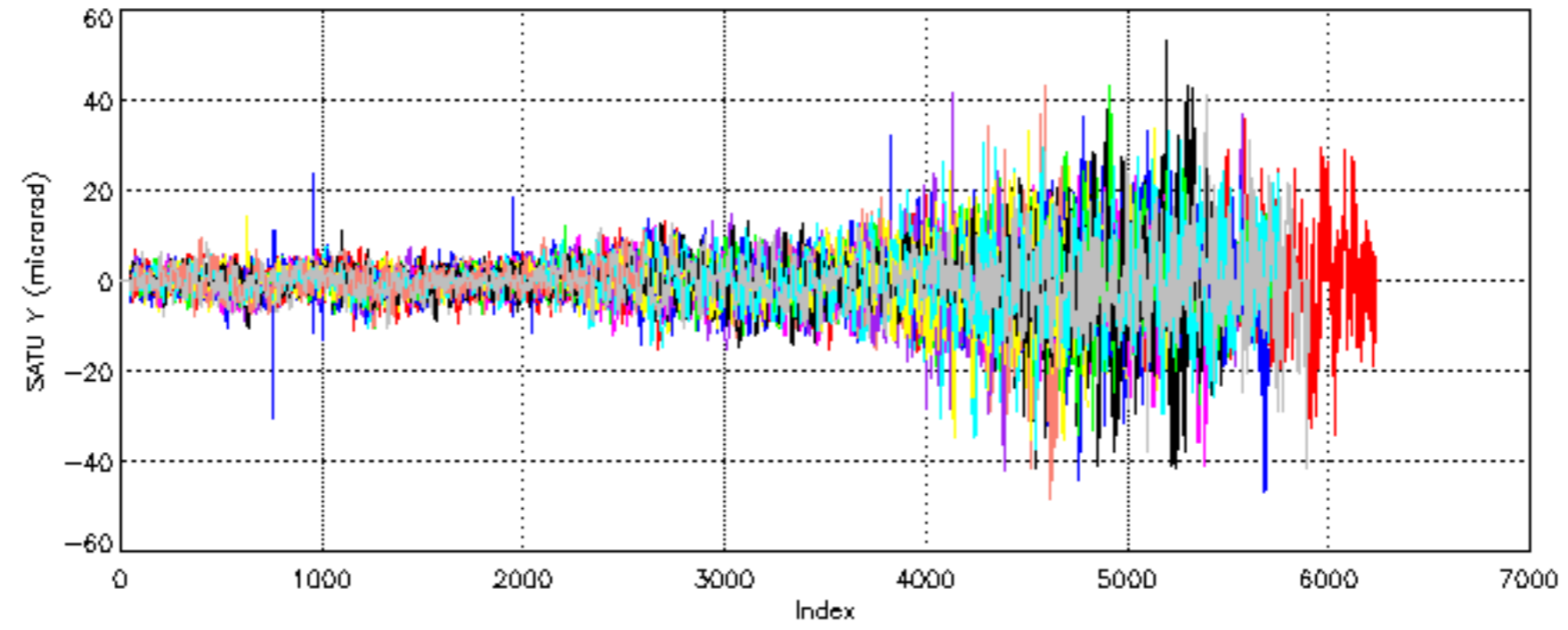
Tangent altitude at which the star is lost

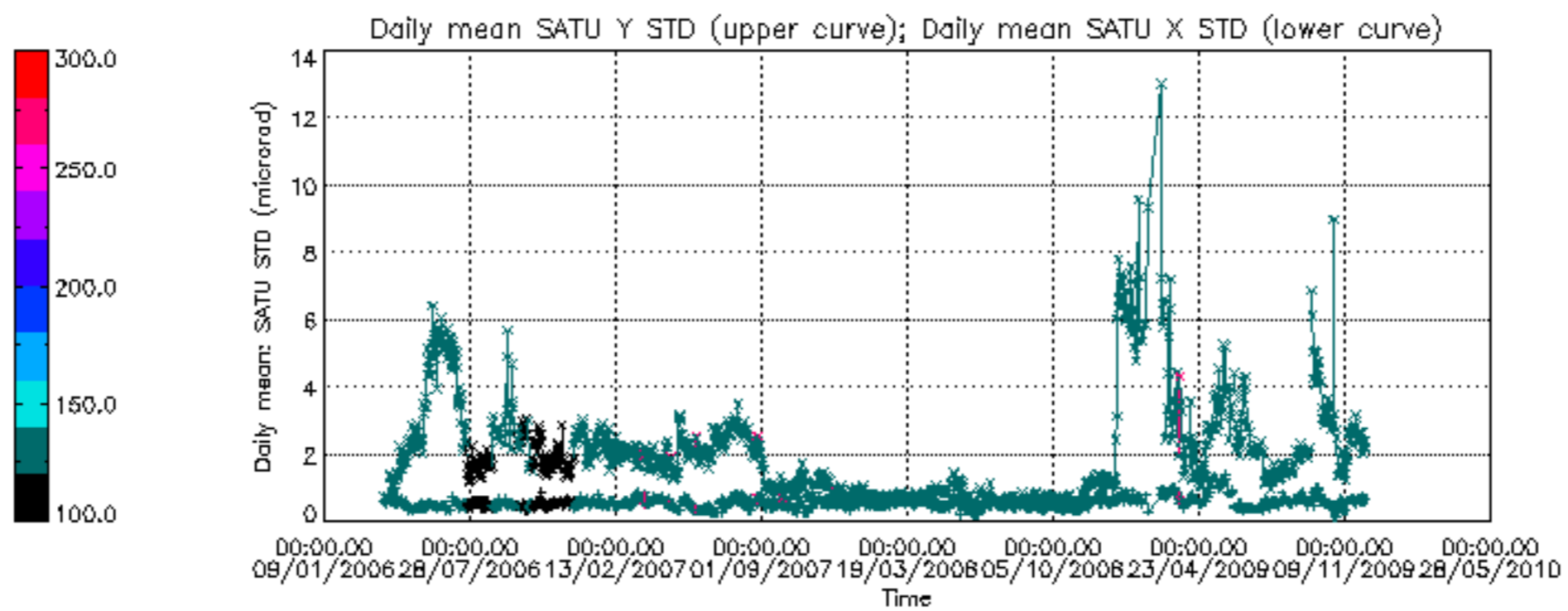


Tangent altitude at which the star is lost









/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
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7; 2773.7; 10-DEC-2009 09:26:32; Bright; 45.5; 6; 13Alp Aur ; 0.08; 3400;occ; 91; 0;40671
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12; 4354.0; 10-DEC-2009 09:52:52; Bright; 52.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 104; 0;40671
13; 4707.2; 10-DEC-2009 09:58:46; Bright; 56.0; 111; 8Eta Boo ; 2.68; 6000;occ; 112; 0;40671
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18; 5684.5; 10-DEC-2009 10:15:03; Dark ; 53.5; 171; 2Eps Crv ; 3.00; 4250;occ; 107; 0;40671
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23; 7055.6; 10-DEC-2009 10:37:54; Dark ; 54.5; 117; Pi Pup ; 2.71; 3800;occ; 109; 0;40671
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 13; 4354.1; 10-DEC-2009 14:54:40; Bright; 56.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 113; 0;40674
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24; 6879.0; 10-DEC-2009 17:17:21; Dark ; 52.0; 70; Zet Pup ; 2.25; 39000;occ; 104; 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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23; 6557.4; 10-DEC-2009 18:52:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40676
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 26; 6880.6; 10-DEC-2009 20:38:35; Dark ; 54.0; 70; Zet Pup ; 2.25; 39000;occ; 108; 0;40677
 27; 7059.5; 10-DEC-2009 20:41:34; Dark ; 54.5; 117; Pi Pup ; 2.71; 3800;occ; 109; 0;40677

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16;	1893.0;	11-DEC-2009	22:05:02;	Dark	;	51.0;	30;	46Eps Ori	;	1.69;	30000;occ;	102;	0;	40693
17;	2038.5;	11-DEC-2009	22:07:28;	Dark	;	49.5;	27;	24Gam Ori	;	1.64;	26000;occ;	99;	0;	40693
18;	2196.2;	11-DEC-2009	22:10:05;	Dark	;	51.0;	13;	87Alp Tau	;	0.87;	3800;occ;	102;	0;	40693
19;	2352.4;	11-DEC-2009	22:12:42;	Bright;		45.5;	176;	23Zet Tau	;	3.02;	22000;occ;	91;	0;	40693
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21;	2590.9;	11-DEC-2009	22:16:40;	Bright;		35.5;	149;	45Eps Per	;	2.89;	30000;occ;	71;	0;	40693
22;	2764.0;	11-DEC-2009	22:19:33;	Bright;		47.5;	6;	13Alp Aur	;	0.08;	3400;occ;	95;	0;	40693
23;	3758.0;	11-DEC-2009	22:36:07;	Bright;		49.0;	36;	50Alp UMa	;	1.80;	6300;occ;	98;	0;	40693
24;	3994.1;	11-DEC-2009	22:40:03;	Bright;		47.0;	32;	77Eps UMa	;	1.76;	11000;occ;	94;	0;	40693
25;	4140.3;	11-DEC-2009	22:42:30;	Bright;		40.5;	39;	85Eta UMa	;	1.85;	24000;occ;	81;	0;	40693
26;	4332.4;	11-DEC-2009	22:45:42;	Bright;		36.0;	180;	27Gam Boo	;	3.04;	8000;occ;	72;	0;	40693
27;	4713.1;	11-DEC-2009	22:52:02;	Bright;		39.0;	111;	8Eta Boo	;	2.68;	6000;occ;	78;	0;	40693
28;	4932.5;	11-DEC-2009	22:55:42;	Bright;		68.0;	138;	47Eps Vir	;	2.83;	4700;occ;	136;	0;	40693
29;	5287.4;	11-DEC-2009	23:01:37;	Dark	;	48.0;	15;	67Alp Vir	;	0.98;	28000;occ;	96;	0;	40693
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2;	-539.8;	11-DEC-2009	23:05:05;	Dark	;	44.0;	169;	46Gam Hya	;	2.99;	4700;occ;	88;	0;	40693
3;	-422.5;	11-DEC-2009	23:07:03;	Dark	;	53.0;	100;	4Gam Crv	;	2.58;	13100;occ;	106;	0;	40693
4;	-326.5;	11-DEC-2009	23:08:39;	Dark	;	65.0;	171;	2Eps Crv	;	3.00;	4250;occ;	130;	0;	40693
5;	-94.0;	11-DEC-2009	23:12:31;	Dark	;	43.5;	64;	Gam Cen	;	2.20;	10600;occ;	87;	0;	40693
6;	-0.4;	11-DEC-2009	23:14:05;	Dark	;	41.0;	99;	Del Cen	;	2.58;	26000;occ;	82;	0;	40693
7;	218.3;	11-DEC-2009	23:17:43;	Dark	;	41.5;	113;	Mu Vel	;	2.69;	5000;occ;	83;	0;	40694
8;	460.7;	11-DEC-2009	23:21:46;	Dark	;	41.0;	71;	Iot Car	;	2.25;	7700;occ;	82;	0;	40694
9;	534.7;	11-DEC-2009	23:23:00;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	40694
10;	734.4;	11-DEC-2009	23:26:20;	Dark	;	46.5;	34;	Gam2Vel	;	1.79;	23000;occ;	93;	0;	40694
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12;	1033.7;	11-DEC-2009	23:31:19;	Dark	;	55.0;	117;	Pi Pup	;	2.71;	3800;occ;	110;	0;	40694
13;	1237.6;	11-DEC-2009	23:34:43;	Dark	;	54.0;	23;	21Eps CMA	;	1.50;	26000;occ;	108;	0;	40694
14;	1529.0;	11-DEC-2009	23:39:34;	Dark	;	55.0;	47;	2Bet CMA	;	1.98;	28000;occ;	110;	0;	40694
15;	1748.2;	11-DEC-2009	23:43:13;	Dark	;	57.0;	7;	19Bet Ori	;	0.10;	14000;occ;	114;	0;	40694
16;	1892.7;	11-DEC-2009	23:45:38;	Dark	;	50.5;	30;	46Eps Ori	;	1.69;	30000;occ;	101;	0;	40694
17;	2038.4;	11-DEC-2009	23:48:04;	Dark	;	48.0;	27;	24Gam Ori	;	1.64;	26000;occ;	96;	0;	40694
18;	2196.1;	11-DEC-2009	23:50:41;	Dark	;	48.0;	13;	87Alp Tau	;	0.87;	3800;occ;	96;	0;	40694
19;	2351.9;	11-DEC-2009	23:53:17;	Bright;		44.0;	176;	23Zet Tau	;	3.02;	22000;occ;	88;	0;	40694
20;	2451.0;	11-DEC-2009	23:54:56;	Bright;		35.0;	150;	44Zet Per	;	2.89;	28000;occ;	70;	0;	40694
21;	2590.7;	11-DEC-2009	23:57:16;	Bright;		36.0;	149;	45Eps Per	;	2.89;	30000;occ;	72;	0;	40694
22;	2763.6;	12-DEC-2009	00:00:09;	Bright;		44.5;	6;	13Alp Aur	;	0.08;	3400;occ;	89;	0;	40694
23;	3757.5;	12-DEC-2009	00:16:43;	Bright;		50.5;	36;	50Alp UMa	;	1.80;	6300;occ;	101;	0;	40694
24;	3994.1;	12-DEC-2009	00:20:39;	Bright;		45.5;	32;	77Eps UMa	;	1.76;	11000;occ;	91;	0;	40694
25;	4140.2;	12-DEC-2009	00:23:05;	Bright;		55.5;	39;	85Eta UMa	;	1.85;	24000;occ;	111;	0;	40694
26;	4332.6;	12-DEC-2009	00:26:18;	Bright;		37.0;	180;	27Gam Boo	;	3.04;	8000;occ;	74;	0;	40694
27;	4713.5;	12-DEC-2009	00:32:39;	Bright;		38.5;	111;	8Eta Boo	;	2.68;	6000;occ;	77;	0;	40694
28;	4933.3;	12-DEC-2009	00:36:18;	Bright;		44.5;	138;	47Eps Vir	;	2.83;	4700;occ;	89;	0;	40694
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4;	-1704.7;	11-DEC-2009	05:59:41;	Bright;		35.0;	180;	27Gam Boo	;	3.04;	8000;occ;	70;	0;	40683
5;	-1325.6;	11-DEC-2009	06:06:00;	Bright;		37.0;	111;	8Eta Boo	;	2.68;	6000;occ;	74;	0;	40683
6;	-1108.9;	11-DEC-2009	06:09:37;	Bright;		67.0;	138;	47Eps Vir	;	2.83;	4700;occ;	134;	0;	40683
7;	-754.7;	11-DEC-2009	06:15:31;	Dark	;	46.5;	15;	67Alp Vir	;	0.98;	28000;occ;	93;	0;	40683
8;	-546.4;	11-DEC-2009	06:18:59;	Dark	;	45.5;	169;	46Gam Hya	;	2.99;	4700;occ;	91;	0;	40683
9;	-434.3;	11-DEC-2009	06:20:51;	Dark	;	55.5;	100;	4Gam Crv	;	2.58;	13100;occ;	111;	0;	40683
10;	-338.0;	11-DEC-2009	06:22:28;	Dark	;	53.0;	171;	2Eps Crv	;	3.00;	4250;occ;	106;	0;	40683
11;	-99.8;	11-DEC-2009	06:26:26;	Dark	;	40.0;	64;	Gam Cen	;	2.20;	10600;occ;	80;	0;	40683
12;	-6.8;	11-DEC-2009	06:27:59;	Dark	;	40.5;	99;	Del Cen	;	2.58;	26000;occ;	81;	0;	40683

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 14; 454.3; 11-DEC-2009 06:35:40; Dark ; 48.0; 71; Iot Car ; 2.25; 7700;occ; 96; 0;40684
 15; 526.8; 11-DEC-2009 06:36:53; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40684
 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
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 21; 1748.0; 11-DEC-2009 06:57:14; Dark ; 46.0; 7; 19Bet Ori ; 0.10; 14000;occ; 92; 0;40684

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 5; 2451.4; 11-DEC-2009 07:08:57; Bright; 37.0; 150; 44Zet Per ; 2.89; 28000;occ; 74; 0;40684
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 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
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 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
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 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
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 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
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 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
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 16; 5604.0; 11-DEC-2009 09:42:06; Dark ; 55.0; 100; 4Gam Crv ; 2.58; 13100;occ; 110; 0;40685
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 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
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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
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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
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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
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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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13; 4140.1; 11-DEC-2009 17:40:41; Bright; 39.0; 39; 85Eta UMa ; 1.85; 24000;occ; 78; 0;40690
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 13; 4139.9; 12-DEC-2009 15:28:28; Bright; 41.0; 39; 85Eta UMa ; 1.85; 24000;occ; 82; 0;40703
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 23; 6263.1; 12-DEC-2009 16:03:52; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;40703
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 27; 6921.1; 12-DEC-2009 16:14:50; Dark ; 46.0; 2; Alp Car ; -0.74; 7000;occ; 92; 0;40703
 28; 7076.1; 12-DEC-2009 16:17:25; Dark ; 53.5; 117; Pi Pup ; 2.71; 3800;occ; 107; 0;40703
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 17; 4939.2; 12-DEC-2009 17:22:24; Bright; 49.5; 138; 47Eps Vir ; 2.83; 4700;occ; 99; 0;40704
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 23; 6042.9; 12-DEC-2009 17:40:47; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40704
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22; 6629.7; 17-DEC-2009 10:10:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40771
23; 6826.8; 17-DEC-2009 10:13:59; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;40771
24; 6955.4; 17-DEC-2009 10:16:08; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;40771
25; 7115.1; 17-DEC-2009 10:18:48; Dark ; 52.5; 117; Pi Pup ; 2.71; 3800;occ; 105; 0;40771
26; 7307.6; 17-DEC-2009 10:22:00; Dark ; 53.5; 23; 21Eps CMa ; 1.50; 26000;occ; 107; 0;40771
27; 7414.1; 17-DEC-2009 10:23:47; Dark ; 45.0; 179; 240mi2CMa ; 3.03; 24000;occ; 90; 0;40771
28; 7576.2; 17-DEC-2009 10:26:29; Dark ; 50.0; 47; 2Bet CMa ; 1.98; 28000;occ; 100; 0;40771

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2; 1883.3; 17-DEC-2009 10:32:12; Dark ; 48.0; 30; 46Eps Ori ; 1.69; 30000;occ; 96; 0;40772
3; 2068.3; 17-DEC-2009 10:35:17; Dark ; 58.0; 14; 58Alp Ori ; 0.87; 3000;occ; 116; 0;40772
4; 2189.2; 17-DEC-2009 10:37:18; Dark ; 51.5; 13; 87Alp Tau ; 0.87; 3800;occ; 103; 0;40772
5; 2317.1; 17-DEC-2009 10:39:26; Bright; 44.5; 176; 23Zet Tau ; 3.02; 22000;occ; 89; 0;40772
6; 2440.6; 17-DEC-2009 10:41:29; Bright; 41.0; 28; 12Bet Tau ; 1.65; 15200;occ; 82; 0;40772
7; 2652.3; 17-DEC-2009 10:45:01; Bright; 65.0; 107; 37The Aur ; 2.65; 11000;occ; 130; 0;40772
8; 2783.6; 17-DEC-2009 10:47:12; Bright; 42.0; 42; 34Bet Aur ; 1.90; 10200;occ; 84; 0;40772
9; 3704.1; 17-DEC-2009 11:02:33; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;40772
10; 3978.0; 17-DEC-2009 11:07:06; Bright; 61.0; 32; 77Eps UMa ; 1.76; 11000;occ; 122; 0;40772

11; 4136.2; 17-DEC-2009 11:09:45; Bright; 58.0; 39; 85Eta UMA ; 1.85; 24000;occ; 116; 0;40772
 12; 4340.0; 17-DEC-2009 11:13:09; Bright; 52.0; 180; 27Gam Boo ; 3.04; 8000;occ; 104; 0;40772
 13; 4534.5; 17-DEC-2009 11:16:23; Bright; 54.0; 83; ; 2.38; 11000;occ; 108; 0;40772
 14; 4737.1; 17-DEC-2009 11:19:46; Bright; 41.5; 111; 8Eta Boo ; 2.68; 6000;occ; 83; 0;40772
 15; 5342.2; 17-DEC-2009 11:29:51; Dark ; 53.5; 15; 67Alp Vir ; 0.98; 28000;occ; 107; 0;40772
 16; 5632.8; 17-DEC-2009 11:34:41; Dark ; 31.0; 163; 7Del Crv ; 2.94; 11000;occ; 62; 0;40772
 17; 5709.5; 17-DEC-2009 11:35:58; Dark ; 55.5; 106; 9Bet Crv ; 2.65; 5600;occ; 111; 0;40772
 18; 5990.0; 17-DEC-2009 11:40:38; Dark ; 46.5; 64; Gam Cen ; 2.20; 10600;occ; 93; 0;40772
 19; 6089.3; 17-DEC-2009 11:42:18; Dark ; 43.5; 99; Del Cen ; 2.58; 26000;occ; 87; 0;40772
 20; 6324.2; 17-DEC-2009 11:46:13; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;40772
 21; 6545.8; 17-DEC-2009 11:49:54; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40772
 22; 6630.4; 17-DEC-2009 11:51:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40772
 23; 6827.3; 17-DEC-2009 11:54:36; Dark ; 46.5; 34; Gam2Vel ; 1.79; 23000;occ; 93; 0;40772
 24; 6955.9; 17-DEC-2009 11:56:44; Dark ; 52.0; 70; Zet Pup ; 2.25; 39000;occ; 104; 0;40772
 25; 7115.6; 17-DEC-2009 11:59:24; Dark ; 53.5; 117; Pi Pup ; 2.71; 3800;occ; 107; 0;40772
 26; 7308.0; 17-DEC-2009 12:02:36; Dark ; 53.0; 23; 21Eps CMa ; 1.50; 26000;occ; 106; 0;40772
 27; 7414.2; 17-DEC-2009 12:04:23; Dark ; 45.0; 179; 240mi2CMa ; 3.03; 24000;occ; 90; 0;40772
 28; 7576.4; 17-DEC-2009 12:07:05; Dark ; 48.5; 47; 2Bet CMa ; 1.98; 28000;occ; 97; 0;40772

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 2; 1750.9; 17-DEC-2009 12:10:35; Dark ; 45.5; 7; 19Bet Ori ; 0.10; 14000;occ; 91; 0;40773
 3; 1883.5; 17-DEC-2009 12:12:48; Dark ; 47.0; 30; 46Eps Ori ; 1.69; 30000;occ; 94; 0;40773
 4; 2067.9; 17-DEC-2009 12:15:52; Dark ; 57.5; 14; 58Alp Ori ; 0.87; 3000;occ; 115; 0;40773
 5; 2189.2; 17-DEC-2009 12:17:54; Dark ; 50.0; 13; 87Alp Tau ; 0.87; 3800;occ; 100; 0;40773
 6; 2316.7; 17-DEC-2009 12:20:01; Bright; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;40773
 7; 2440.2; 17-DEC-2009 12:22:05; Bright; 43.5; 28; 12Bet Tau ; 1.65; 15200;occ; 87; 0;40773
 8; 2651.9; 17-DEC-2009 12:25:36; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;40773
 9; 2783.2; 17-DEC-2009 12:27:48; Bright; 42.0; 42; 34Bet Aur ; 1.90; 10200;occ; 84; 0;40773
 10; 3704.1; 17-DEC-2009 12:43:09; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;40773
 11; 3977.8; 17-DEC-2009 12:47:42; Bright; 43.0; 32; 77Eps UMA ; 1.76; 11000;occ; 86; 0;40773
 12; 4136.4; 17-DEC-2009 12:50:21; Bright; 58.0; 39; 85Eta UMA ; 1.85; 24000;occ; 116; 0;40773
 13; 4534.7; 17-DEC-2009 12:56:59; Bright; 54.0; 83; ; 2.38; 11000;occ; 108; 0;40773
 14; 4737.5; 17-DEC-2009 13:00:22; Bright; 42.5; 111; 8Eta Boo ; 2.68; 6000;occ; 85; 0;40773
 15; 5343.1; 17-DEC-2009 13:10:27; Dark ; 51.0; 15; 67Alp Vir ; 0.98; 28000;occ; 102; 0;40773
 16; 5634.0; 17-DEC-2009 13:15:18; Dark ; 31.0; 163; 7Del Crv ; 2.94; 11000;occ; 62; 0;40773
 17; 5710.7; 17-DEC-2009 13:16:35; Dark ; 56.5; 106; 9Bet Crv ; 2.65; 5600;occ; 113; 0;40773
 18; 5990.7; 17-DEC-2009 13:21:15; Dark ; 46.5; 64; Gam Cen ; 2.20; 10600;occ; 93; 0;40773
 19; 6090.0; 17-DEC-2009 13:22:54; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;40773
 20; 6325.2; 17-DEC-2009 13:26:50; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;40773
 21; 6546.4; 17-DEC-2009 13:30:31; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;40773
 22; 6631.2; 17-DEC-2009 13:31:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40773
 23; 6828.1; 17-DEC-2009 13:35:13; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;40773
 24; 6956.9; 17-DEC-2009 13:37:21; Dark ; 48.5; 70; Zet Pup ; 2.25; 39000;occ; 97; 0;40773
 25; 7116.2; 17-DEC-2009 13:40:01; Dark ; 55.5; 117; Pi Pup ; 2.71; 3800;occ; 111; 0;40773
 26; 7308.5; 17-DEC-2009 13:43:13; Dark ; 53.5; 23; 21Eps CMa ; 1.50; 26000;occ; 107; 0;40773
 27; 7414.8; 17-DEC-2009 13:44:59; Dark ; 49.5; 179; 240mi2CMa ; 3.03; 24000;occ; 99; 0;40773

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1; 1540.5; 17-DEC-2009 13:47:41; Dark ; 50.0; 47; 2Bet CMa ; 1.98; 28000;occ; 100; 0;40774
 2; 1750.9; 17-DEC-2009 13:51:11; Dark ; 47.5; 7; 19Bet Ori ; 0.10; 14000;occ; 95; 0;40774
 3; 1883.2; 17-DEC-2009 13:53:23; Dark ; 48.5; 30; 46Eps Ori ; 1.69; 30000;occ; 97; 0;40774
 4; 2067.5; 17-DEC-2009 13:56:28; Dark ; 57.0; 14; 58Alp Ori ; 0.87; 3000;occ; 114; 0;40774
 5; 2189.3; 17-DEC-2009 13:58:30; Dark ; 49.0; 13; 87Alp Tau ; 0.87; 3800;occ; 98; 0;40774
 6; 2316.4; 17-DEC-2009 14:00:37; Bright; 41.5; 176; 23Zet Tau ; 3.02; 22000;occ; 83; 0;40774
 7; 2440.1; 17-DEC-2009 14:02:40; Bright; 43.5; 28; 12Bet Tau ; 1.65; 15200;occ; 87; 0;40774
 8; 2651.5; 17-DEC-2009 14:06:12; Bright; 43.5; 107; 37The Aur ; 2.65; 11000;occ; 87; 0;40774
 9; 2782.5; 17-DEC-2009 14:08:23; Bright; 43.5; 42; 34Bet Aur ; 1.90; 10200;occ; 87; 0;40774
 10; 3704.2; 17-DEC-2009 14:23:44; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;40774
 11; 3977.7; 17-DEC-2009 14:28:18; Bright; 42.0; 32; 77Eps UMA ; 1.76; 11000;occ; 84; 0;40774
 12; 4136.1; 17-DEC-2009 14:30:56; Bright; 39.5; 39; 85Eta UMA ; 1.85; 24000;occ; 79; 0;40774
 13; 4340.1; 17-DEC-2009 14:34:20; Bright; 55.0; 180; 27Gam Boo ; 3.04; 8000;occ; 110; 0;40774
 14; 4535.1; 17-DEC-2009 14:37:35; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;40774
 15; 4738.0; 17-DEC-2009 14:40:58; Bright; 42.0; 111; 8Eta Boo ; 2.68; 6000;occ; 84; 0;40774
 16; 5343.8; 17-DEC-2009 14:51:04; Dark ; 54.5; 15; 67Alp Vir ; 0.98; 28000;occ; 109; 0;40774
 17; 5554.5; 17-DEC-2009 14:54:35; Dark ; 47.0; 169; 46Gam Hya ; 2.99; 4700;occ; 94; 0;40774
 18; 5711.8; 17-DEC-2009 14:57:12; Dark ; 51.5; 106; 9Bet Crv ; 2.65; 5600;occ; 103; 0;40774
 19; 5991.4; 17-DEC-2009 15:01:52; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;40774
 20; 6090.7; 17-DEC-2009 15:03:31; Dark ; 40.5; 99; Del Cen ; 2.58; 26000;occ; 81; 0;40774
 21; 6326.1; 17-DEC-2009 15:07:26; Dark ; 45.0; 113; Mu Vel ; 2.69; 5000;occ; 90; 0;40774

22; 6547.2; 17-DEC-2009 15:11:07; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;40774
 23; 6632.0; 17-DEC-2009 15:12:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40774
 24; 6828.8; 17-DEC-2009 15:15:49; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;40774
 25; 6957.5; 17-DEC-2009 15:17:58; Dark ; 51.0; 70; Zet Pup ; 2.25; 39000;occ; 102; 0;40774
 26; 7116.7; 17-DEC-2009 15:20:37; Dark ; 52.0; 117; Pi Pup ; 2.71; 3800;occ; 104; 0;40774
 27; 7309.0; 17-DEC-2009 15:23:49; Dark ; 52.0; 23; 21Eps CMA ; 1.50; 26000;occ; 104; 0;40774
 28; 7415.0; 17-DEC-2009 15:25:35; Dark ; 10.5; 179; 240mi2CMA ; 3.03; 24000;occ; 21; 0;40774

/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDK20091217_152535_000057882085_00140_40775_5797.N1

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 3; 1751.0; 17-DEC-2009 15:31:47; Dark ; 52.5; 7; 19Bet Ori ; 0.10; 14000;occ; 105; 0;40775
 4; 1883.1; 17-DEC-2009 15:33:59; Dark ; 46.5; 30; 46Eps Ori ; 1.69; 30000;occ; 93; 0;40775
 5; 2067.4; 17-DEC-2009 15:37:04; Dark ; 65.0; 14; 58Alp Ori ; 0.87; 3000;occ; 130; 0;40775
 6; 2189.1; 17-DEC-2009 15:39:05; Dark ; 52.5; 13; 87Alp Tau ; 0.87; 3800;occ; 105; 0;40775
 7; 2316.0; 17-DEC-2009 15:41:12; Bright; 44.5; 176; 23Zet Tau ; 3.02; 22000;occ; 89; 0;40775
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 9; 2651.0; 17-DEC-2009 15:46:47; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;40775
 10; 2782.0; 17-DEC-2009 15:48:58; Bright; 43.0; 42; 34Bet Aur ; 1.90; 10200;occ; 86; 0;40775
 11; 3704.2; 17-DEC-2009 16:04:20; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;40775
 12; 3977.4; 17-DEC-2009 16:08:54; Bright; 62.0; 32; 77Eps UMa ; 1.76; 11000;occ; 124; 0;40775
 13; 4136.1; 17-DEC-2009 16:11:32; Bright; 41.5; 39; 85Eta UMa ; 1.85; 24000;occ; 83; 0;40775
 14; 4340.5; 17-DEC-2009 16:14:57; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;40775
 15; 4535.1; 17-DEC-2009 16:18:11; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;40775
 16; 4738.2; 17-DEC-2009 16:21:34; Bright; 40.0; 111; 8Eta Boo ; 2.68; 6000;occ; 80; 0;40775
 17; 5344.7; 17-DEC-2009 16:31:41; Dark ; 54.5; 15; 67Alp Vir ; 0.98; 28000;occ; 109; 0;40775
 18; 5555.2; 17-DEC-2009 16:35:11; Dark ; 48.5; 169; 46Gam Hya ; 2.99; 4700;occ; 97; 0;40775
 19; 5712.9; 17-DEC-2009 16:37:49; Dark ; 58.0; 106; 9Bet Crv ; 2.65; 5600;occ; 116; 0;40775
 20; 5992.1; 17-DEC-2009 16:42:28; Dark ; 45.5; 64; Gam Cen ; 2.20; 10600;occ; 91; 0;40775
 21; 6091.6; 17-DEC-2009 16:44:08; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;40775
 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
 24; 6632.8; 17-DEC-2009 16:53:09; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40775
 25; 6829.6; 17-DEC-2009 16:56:26; Dark ; 54.0; 34; Gam2Vel ; 1.79; 23000;occ; 108; 0;40775
 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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 3; 1557.5; 17-DEC-2009 17:09:10; Dark ; 27.0; 1; 9Alp CMA ; -1.44; 11000;occ; 54; 0;40776
 4; 1751.1; 17-DEC-2009 17:12:23; Dark ; 46.5; 7; 19Bet Ori ; 0.10; 14000;occ; 93; 0;40776
 5; 1882.9; 17-DEC-2009 17:14:35; Dark ; 48.0; 30; 46Eps Ori ; 1.69; 30000;occ; 96; 0;40776
 6; 2067.1; 17-DEC-2009 17:17:39; Dark ; 57.5; 14; 58Alp Ori ; 0.87; 3000;occ; 115; 0;40776
 7; 2189.1; 17-DEC-2009 17:19:41; Dark ; 48.0; 13; 87Alp Tau ; 0.87; 3800;occ; 96; 0;40776
 8; 2315.8; 17-DEC-2009 17:21:48; Bright; 44.0; 176; 23Zet Tau ; 3.02; 22000;occ; 88; 0;40776
 9; 2439.2; 17-DEC-2009 17:23:51; Bright; 43.0; 28; 12Bet Tau ; 1.65; 15200;occ; 86; 0;40776
 10; 2650.2; 17-DEC-2009 17:27:22; Bright; 44.0; 107; 37The Aur ; 2.65; 11000;occ; 88; 0;40776
 11; 2781.4; 17-DEC-2009 17:29:34; Bright; 43.0; 42; 34Bet Aur ; 1.90; 10200;occ; 86; 0;40776
 12; 3704.1; 17-DEC-2009 17:44:56; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;40776
 13; 3977.1; 17-DEC-2009 17:49:29; Bright; 56.0; 32; 77Eps UMa ; 1.76; 11000;occ; 112; 0;40776
 14; 4136.2; 17-DEC-2009 17:52:08; Bright; 38.5; 39; 85Eta UMa ; 1.85; 24000;occ; 77; 0;40776
 15; 4340.5; 17-DEC-2009 17:55:33; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;40776
 16; 4535.5; 17-DEC-2009 17:58:48; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;40776
 17; 4738.4; 17-DEC-2009 18:02:11; Bright; 41.5; 111; 8Eta Boo ; 2.68; 6000;occ; 83; 0;40776
 18; 5345.4; 17-DEC-2009 18:12:18; Dark ; 52.5; 15; 67Alp Vir ; 0.98; 28000;occ; 105; 0;40776
 19; 5556.2; 17-DEC-2009 18:15:48; Dark ; 46.5; 169; 46Gam Hya ; 2.99; 4700;occ; 93; 0;40776
 20; 5714.2; 17-DEC-2009 18:18:26; Dark ; 51.5; 106; 9Bet Crv ; 2.65; 5600;occ; 103; 0;40776
 21; 5992.9; 17-DEC-2009 18:23:05; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;40776
 22; 6092.2; 17-DEC-2009 18:24:44; Dark ; 41.5; 99; Del Cen ; 2.58; 26000;occ; 83; 0;40776
 23; 6327.9; 17-DEC-2009 18:28:40; Dark ; 45.5; 113; Mu Vel ; 2.69; 5000;occ; 91; 0;40776
 24; 6548.4; 17-DEC-2009 18:32:21; Dark ; 44.0; 71; Iot Car ; 2.25; 7700;occ; 88; 0;40776
 25; 6633.5; 17-DEC-2009 18:33:46; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40776
 26; 6830.3; 17-DEC-2009 18:37:03; Dark ; 49.5; 34; Gam2Vel ; 1.79; 23000;occ; 99; 0;40776
 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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 2; 1273.8; 17-DEC-2009 18:45:02; Dark ; 52.5; 23; 21Eps CMA ; 1.50; 26000;occ; 105; 0;40777
 3; 1379.5; 17-DEC-2009 18:46:48; Dark ; 54.0; 179; 240mi2CMA ; 3.03; 24000;occ; 108; 0;40777
 4; 1557.8; 17-DEC-2009 18:49:46; Dark ; 27.0; 1; 9Alp CMA ; -1.44; 11000;occ; 54; 0;40777

5; 1751.1; 17-DEC-2009 18:52:59; Dark ; 46.0; 7; 19Bet Ori ; 0.10; 14000;occ; 92; 0;40777
6; 1883.0; 17-DEC-2009 18:55:11; Dark ; 48.5; 30; 46Eps Ori ; 1.69; 30000;occ; 97; 0;40777
7; 2066.6; 17-DEC-2009 18:58:15; Dark ; 56.0; 14; 58Alp Ori ; 0.87; 3000;occ; 112; 0;40777
8; 2189.1; 17-DEC-2009 19:00:17; Dark ; 44.5; 13; 87Alp Tau ; 0.87; 3800;occ; 89; 0;40777
9; 2315.1; 17-DEC-2009 19:02:23; Bright; 43.5; 176; 23Zet Tau ; 3.02; 22000;occ; 87; 0;40777
10; 2438.6; 17-DEC-2009 19:04:27; Bright; 56.5; 28; 12Bet Tau ; 1.65; 15200;occ; 113; 0;40777
11; 2649.6; 17-DEC-2009 19:07:58; Bright; 45.0; 107; 37The Aur ; 2.65; 11000;occ; 90; 0;40777
12; 2780.9; 17-DEC-2009 19:10:09; Bright; 43.0; 42; 34Bet Aur ; 1.90; 10200;occ; 86; 0;40777
13; 3704.1; 17-DEC-2009 19:25:32; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;40777
14; 3977.1; 17-DEC-2009 19:30:05; Bright; 40.5; 32; 77Eps UMa ; 1.76; 11000;occ; 81; 0;40777
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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 3; -228.7; 23-DEC-2009 00:04:55; Dark ; 61.0; 106; 9Bet Crv ; 2.65; 5600;occ; 122; 0;40851
 4; 93.9; 23-DEC-2009 00:10:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40852
 5; 359.8; 23-DEC-2009 00:14:43; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40852
 6; 557.3; 23-DEC-2009 00:18:01; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;40852
 7; 664.0; 23-DEC-2009 00:19:47; Dark ; 51.5; 41; Eps Car ; 1.86; 4100;occ; 103; 0;40852
 8; 843.1; 23-DEC-2009 00:22:46; Dark ; 47.0; 34; Gam2Vel ; 1.79; 23000;occ; 94; 0;40852
 9; 974.1; 23-DEC-2009 00:24:57; Dark ; 49.5; 70; Zet Pup ; 2.25; 39000;occ; 99; 0;40852
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 12; 1401.5; 23-DEC-2009 00:32:05; Dark ; 49.0; 179; 240mi2CMA ; 3.03; 24000;occ; 98; 0;40852
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 21; 3700.9; 23-DEC-2009 01:10:24; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;40852
 22; 3956.9; 23-DEC-2009 01:14:40; Bright; 47.5; 32; 77Eps UMa ; 1.76; 11000;occ; 95; 0;40852
 23; 4129.0; 23-DEC-2009 01:17:32; Bright; 61.0; 39; 85Eta UMa ; 1.85; 24000;occ; 122; 0;40852
 24; 4346.1; 23-DEC-2009 01:21:09; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;40852
 25; 4549.0; 23-DEC-2009 01:24:32; Bright; 56.0; 83; ; 2.38; 11000;occ; 112; 0;40852
 26; 4765.8; 23-DEC-2009 01:28:09; Bright; 65.5; 111; 8Eta Boo ; 2.68; 6000;occ; 131; 0;40852

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 19; 5802.2; 22-DEC-2009 17:22:26; Dark ; 64.5; 106; 9Bet Crv ; 2.65; 5600;occ; 129; 0;40847
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 21; 6139.8; 22-DEC-2009 17:28:03; Dark ; 42.0; 26; Gam Cru ; 1.62; 2900;occ; 84; 0;40847
 22; 6392.2; 22-DEC-2009 17:32:16; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40847
 23; 6591.3; 22-DEC-2009 17:35:35; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;40847
 24; 6683.9; 22-DEC-2009 17:37:08; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40847
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 26; 6876.7; 22-DEC-2009 17:40:20; Dark ; 49.5; 34; Gam2Vel ; 1.79; 23000;occ; 99; 0;40847
 27; 7007.6; 22-DEC-2009 17:42:31; Dark ; 50.5; 70; Zet Pup ; 2.25; 39000;occ; 101; 0;40847

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 4; 1400.7; 22-DEC-2009 17:49:40; Dark ; 49.5; 179; 240mi2CMA ; 3.03; 24000;occ; 99; 0;40848
 5; 1565.8; 22-DEC-2009 17:52:25; Dark ; 54.0; 1; 9Alp CMA ; -1.44; 11000;occ; 108; 0;40848
 6; 1755.6; 22-DEC-2009 17:55:35; Dark ; 47.5; 7; 19Bet Ori ; 0.10; 14000;occ; 95; 0;40848
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 17; 4548.3; 22-DEC-2009 18:42:08; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;40848
 18; 4764.0; 22-DEC-2009 18:45:44; Bright; 65.0; 111; 8Eta Boo ; 2.68; 6000;occ; 130; 0;40848
 19; 5407.5; 22-DEC-2009 18:56:27; Dark ; 55.0; 15; 67Alp Vir ; 0.98; 28000;occ; 110; 0;40848
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 21; 5803.4; 22-DEC-2009 19:03:03; Dark ; 56.5; 106; 9Bet Crv ; 2.65; 5600;occ; 113; 0;40848
 22; 6041.7; 22-DEC-2009 19:07:01; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;40848
 23; 6140.3; 22-DEC-2009 19:08:40; Dark ; 43.0; 26; Gam Cru ; 1.62; 2900;occ; 86; 0;40848
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 27; 6774.3; 22-DEC-2009 19:19:14; Dark ; 50.0; 65; Lam Vel ; 2.20; 4400;occ; 100; 0;40848
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 13; 2713.0; 22-DEC-2009 19:52:09; Bright; 45.0; 6; 13Alp Aur ; 0.08; 3400;occ; 90; 0;40849
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 15; 3957.9; 22-DEC-2009 20:12:54; Bright; 45.0; 32; 77Eps UMa ; 1.76; 11000;occ; 90; 0;40849
 16; 4129.2; 22-DEC-2009 20:15:45; Bright; 44.0; 39; 85Eta UMa ; 1.85; 24000;occ; 88; 0;40849
 17; 4346.1; 22-DEC-2009 20:19:22; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;40849
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 20; 5408.3; 22-DEC-2009 20:37:04; Dark ; 52.5; 15; 67Alp Vir ; 0.98; 28000;occ; 105; 0;40849
 21; 5683.8; 22-DEC-2009 20:41:39; Dark ; 43.5; 54; 5The Cen ; 2.06; 4500;occ; 87; 0;40849
 22; 5804.6; 22-DEC-2009 20:43:40; Dark ; 55.0; 106; 9Bet Crv ; 2.65; 5600;occ; 110; 0;40849
 23; 6042.4; 22-DEC-2009 20:47:38; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;40849
 24; 6128.1; 22-DEC-2009 20:49:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40849
 25; 6393.9; 22-DEC-2009 20:53:30; Dark ; 49.0; 113; Mu Vel ; 2.69; 5000;occ; 98; 0;40849
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 27; 6699.0; 22-DEC-2009 20:58:35; Dark ; 55.5; 41; Eps Car ; 1.86; 4100;occ; 111; 0;40849
 28; 6877.8; 22-DEC-2009 21:01:33; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;40849
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 5; 94.8; 23-DEC-2009 01:50:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40853
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 8; 664.7; 23-DEC-2009 02:00:24; Dark ; 54.5; 41; Eps Car ; 1.86; 4100;occ; 109; 0;40853
 9; 843.8; 23-DEC-2009 02:03:23; Dark ; 45.0; 34; Gam2Vel ; 1.79; 23000;occ; 90; 0;40853
 10; 974.8; 23-DEC-2009 02:05:34; Dark ; 50.0; 70; Zet Pup ; 2.25; 39000;occ; 100; 0;40853
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3;-1689.9; 23-DEC-2009 03:01:45; Bright; 39.5; 180; 27Gam Boo ; 3.04; 8000;occ; 79; 0;40853
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18; 1402.2; 23-DEC-2009 03:53:17; Dark ; 51.0; 179; 240mi2CMa ; 3.03; 24000;occ; 102; 0;40854
19; 1566.6; 23-DEC-2009 03:56:02; Dark ; 52.5; 1; 9Alp CMa ; -1.44; 11000;occ; 105; 0;40854
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3;-1907.3; 23-DEC-2009 04:38:44; Bright; 39.5; 39; 85Eta UMa ; 1.85; 24000;occ; 79; 0;40854
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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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23; 4554.1; 25-DEC-2009 00:21:24; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;40880
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 21; 6175.6; 26-DEC-2009 15:22:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40903
 22; 6443.2; 26-DEC-2009 15:26:39; Dark ; 46.5; 113; Mu Vel ; 2.69; 5000;occ; 93; 0;40903
 23; 6623.6; 26-DEC-2009 15:29:39; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;40903
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 26; 7042.0; 26-DEC-2009 15:36:38; Dark ; 48.5; 70; Zet Pup ; 2.25; 39000;occ; 97; 0;40903
 27; 7178.2; 26-DEC-2009 15:38:54; Dark ; 51.0; 117; Pi Pup ; 2.71; 3800;occ; 102; 0;40903
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 29; 7451.1; 26-DEC-2009 15:43:27; Dark ; 1.0; 179; 240mi2CMA ; 3.03; 24000;occ; 2; 0;40903

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 17; 5464.8; 26-DEC-2009 16:50:57; Dark ; 60.0; 15; 67Alp Vir ; 0.98; 28000;occ; 120; 0;40904
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 19; 5842.3; 26-DEC-2009 16:57:14; Dark ; 45.0; 123; Iot Cen ; 2.75; 10200;occ; 90; 0;40904
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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
 23; 6624.2; 26-DEC-2009 17:10:16; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;40904
 24; 6726.4; 26-DEC-2009 17:11:58; Dark ; 43.5; 41; Eps Car ; 1.86; 4100;occ; 87; 0;40904
 25; 6911.1; 26-DEC-2009 17:15:03; Dark ; 48.5; 34; Gam2Vel ; 1.79; 23000;occ; 97; 0;40904
 26; 7042.6; 26-DEC-2009 17:17:14; Dark ; 48.0; 70; Zet Pup ; 2.25; 39000;occ; 96; 0;40904
 27; 7178.7; 26-DEC-2009 17:19:30; Dark ; 48.5; 117; Pi Pup ; 2.71; 3800;occ; 97; 0;40904

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2;	1318.8;	26-DEC-2009	17:22:27;	Dark ;	48.0;	23;	21Eps CMa ;	1.50;	26000;occ;	96;	0;40905
3;	1415.5;	26-DEC-2009	17:24:03;	Dark ;	47.5;	179;	240mi2CMa ;	3.03;	24000;occ;	95;	0;40905
4;	1572.6;	26-DEC-2009	17:26:40;	Dark ;	53.5;	1;	9Alp CMa ;	-1.44;	11000;occ;	107;	0;40905
5;	1724.8;	26-DEC-2009	17:29:13;	Dark ;	43.5;	56;	53Kap Ori ;	2.07;	30000;occ;	87;	0;40905
6;	1878.8;	26-DEC-2009	17:31:47;	Dark ;	45.0;	30;	46Eps Ori ;	1.69;	30000;occ;	90;	0;40905
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
9;	2406.5;	26-DEC-2009	17:40:34;	Bright;	40.0;	28;	12Bet Tau ;	1.65;	15200;occ;	80;	0;40905
10;	2590.4;	26-DEC-2009	17:43:38;	Bright;	41.0;	107;	37The Aur ;	2.65;	11000;occ;	82;	0;40905
11;	2701.9;	26-DEC-2009	17:45:30;	Bright;	41.5;	6;	13Alp Aur ;	0.08;	3400;occ;	83;	0;40905
12;	3644.3;	26-DEC-2009	18:01:12;	Bright;	48.0;	36;	50Alp UMa ;	1.80;	6300;occ;	96;	0;40905
13;	3940.1;	26-DEC-2009	18:06:08;	Bright;	43.0;	32;	77Eps UMa ;	1.76;	11000;occ;	86;	0;40905
14;	4122.1;	26-DEC-2009	18:09:10;	Bright;	46.0;	39;	85Eta UMa ;	1.85;	24000;occ;	92;	0;40905
15;	4349.5;	26-DEC-2009	18:12:57;	Bright;	59.0;	180;	27Gam Boo ;	3.04;	8000;occ;	118;	0;40905
16;	4559.1;	26-DEC-2009	18:16:27;	Bright;	40.0;	83;	;	2.38;	11000;occ;	80;	0;40905
17;	4788.1;	26-DEC-2009	18:20:16;	Bright;	70.0;	111;	8Eta Boo ;	2.68;	6000;occ;	140;	0;40905
18;	5313.2;	26-DEC-2009	18:29:01;	Dark ;	43.0;	122;	9Alp2Lib ;	2.75;	9700;occ;	86;	0;40905
19;	5465.9;	26-DEC-2009	18:31:34;	Dark ;	58.5;	15;	67Alp Vir ;	0.98;	28000;occ;	117;	0;40905
20;	5716.7;	26-DEC-2009	18:35:45;	Dark ;	45.0;	54;	5The Cen ;	2.06;	4500;occ;	90;	0;40905
21;	5843.1;	26-DEC-2009	18:37:51;	Dark ;	42.5;	123;	Iot Cen ;	2.75;	10200;occ;	85;	0;40905
22;	6083.4;	26-DEC-2009	18:41:51;	Dark ;	46.5;	64;	Gam Cen ;	2.20;	10600;occ;	93;	0;40905
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
28;	7043.3;	26-DEC-2009	18:57:51;	Dark ;	47.5;	70;	Zet Pup ;	2.25;	39000;occ;	95;	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
5;	1572.6;	26-DEC-2009	19:07:16;	Dark ;	52.5;	1;	9Alp CMa ;	-1.44;	11000;occ;	105;	0;40906
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
14;	3939.5;	26-DEC-2009	19:46:43;	Bright;	47.0;	32;	77Eps UMa ;	1.76;	11000;occ;	94;	0;40906
15;	4121.9;	26-DEC-2009	19:49:46;	Bright;	41.5;	39;	85Eta UMa ;	1.85;	24000;occ;	83;	0;40906
16;	4349.6;	26-DEC-2009	19:53:33;	Bright;	41.5;	180;	27Gam Boo ;	3.04;	8000;occ;	83;	0;40906
17;	4559.5;	26-DEC-2009	19:57:03;	Bright;	39.0;	83;	;	2.38;	11000;occ;	78;	0;40906
18;	4788.4;	26-DEC-2009	20:00:52;	Bright;	70.0;	111;	8Eta Boo ;	2.68;	6000;occ;	140;	0;40906
19;	5313.6;	26-DEC-2009	20:09:37;	Dark ;	46.5;	122;	9Alp2Lib ;	2.75;	9700;occ;	93;	0;40906
20;	5467.1;	26-DEC-2009	20:12:11;	Dark ;	59.0;	15;	67Alp Vir ;	0.98;	28000;occ;	118;	0;40906
21;	5717.3;	26-DEC-2009	20:16:21;	Dark ;	44.5;	54;	5The Cen ;	2.06;	4500;occ;	89;	0;40906
22;	5843.9;	26-DEC-2009	20:18:28;	Dark ;	46.0;	123;	Iot Cen ;	2.75;	10200;occ;	92;	0;40906
23;	6084.1;	26-DEC-2009	20:22:28;	Dark ;	44.5;	64;	Gam Cen ;	2.20;	10600;occ;	89;	0;40906
24;	6178.3;	26-DEC-2009	20:24:02;	Dark ;	59.5;	0;	;	0.00;	0;occ;	119;	0;40906
25;	6445.7;	26-DEC-2009	20:28:30;	Dark ;	46.0;	113;	Mu Vel ;	2.69;	5000;occ;	92;	0;40906
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
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2;	-1914.6;	27-DEC-2009	02:32:09;	Bright;	63.0;	39;	85Eta UMa ;	1.85;	24000;occ;	126;	0;40910
3;	-1686.3;	27-DEC-2009	02:35:57;	Bright;	59.0;	180;	27Gam Boo ;	3.04;	8000;occ;	118;	0;40910
4;	-1475.9;	27-DEC-2009	02:39:27;	Bright;	58.0;	83;	;	2.38;	11000;occ;	116;	0;40910
5;	-1246.0;	27-DEC-2009	02:43:17;	Bright;	48.0;	111;	8Eta Boo ;	2.68;	6000;occ;	96;	0;40910
6;	-720.5;	27-DEC-2009	02:52:03;	Dark ;	43.0;	122;	9Alp2Lib ;	2.75;	9700;occ;	86;	0;40910
7;	-564.4;	27-DEC-2009	02:54:39;	Dark ;	58.0;	15;	67Alp Vir ;	0.98;	28000;occ;	116;	0;40910
8;	-316.2;	27-DEC-2009	02:58:47;	Dark ;	51.5;	54;	5The Cen ;	2.06;	4500;occ;	103;	0;40910
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19; 1417.1; 27-DEC-2009 03:27:40; Dark ; 47.0; 179; 240mi2CMA ; 3.03; 24000;occ; 94; 0;40911
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2; -1914.8; 27-DEC-2009 07:33:57; Bright; 46.0; 39; 85Eta UMA ; 1.85; 24000;occ; 92; 0;40913
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7; -561.0; 27-DEC-2009 07:56:30; Dark ; 59.0; 15; 67Alp Vir ; 0.98; 28000;occ; 118; 0;40913
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9; -185.8; 27-DEC-2009 08:02:46; Dark ; 44.5; 123; Iot Cen ; 2.75; 10200;occ; 89; 0;40913
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11; 148.7; 27-DEC-2009 08:08:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40914
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13; 593.2; 27-DEC-2009 08:15:44; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;40914
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