

GOMOS Daily Report 18-JAN-2010

Level 0 and Level 1 products

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

Item	Value
Time of report generation	21JAN2010 04:53:14
Data source version	GOMOS/5.00L04
Start time of products	18JAN2010 20:15:45
Stop time of products	18JAN2010 23:58:03
Store outputs in DB	Yes
Nb of level 1b prods	64
Nb of prods with errors	0

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

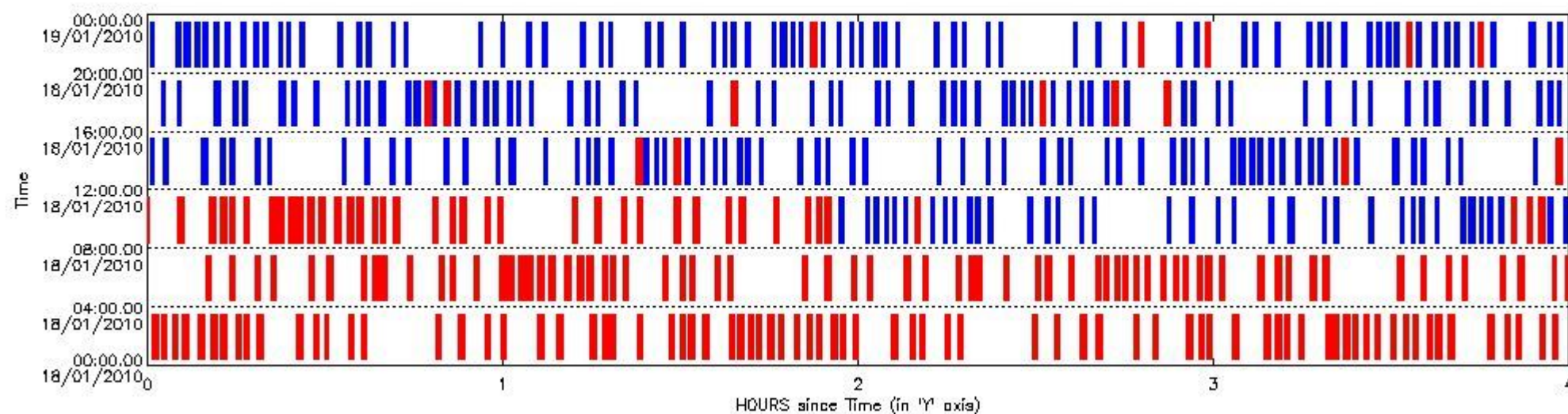
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
18-JAN-2010 00:00:47	TheCar	124	41224
18-JAN-2010 00:02:10	UpsCar	159	41224
18-JAN-2010 00:04:03	lotCar	71	41224
18-JAN-2010 00:05:54	DelVel	46	41224
18-JAN-2010 00:08:35	Gam2Vel	34	41224
18-JAN-2010 00:10:43	ZetPup	70	41224
18-JAN-2010 00:12:20	PiPup	117	41224
18-JAN-2010 00:14:52	21EpsCMa	23	41224
18-JAN-2010 00:16:16	24Omi2CMa	179	41224
18-JAN-2010 00:18:28	9AlpCMa	1	41224
18-JAN-2010 00:25:02	10AlpCMi	8	41224
18-JAN-2010 00:28:01	24GamGem	44	41224
18-JAN-2010 00:29:46	13MuGem	151	41224
18-JAN-2010 00:33:56	37TheAur	107	41224
18-JAN-2010 00:36:06	34BetAur	42	41224

18-JAN-2010 00:48:40	1AlpUMi	49	41224
18-JAN-2010 00:52:31	7BetUMi	60	41224
18-JAN-2010 00:56:55	14EtaDra	119	41224
18-JAN-2010 00:59:34	23BetDra	130	41224
18-JAN-2010 01:05:53	40ZetHer	133	41224
18-JAN-2010 01:09:03	27BetHer	127	41224
18-JAN-2010 01:14:44	24AlpSer	102	41224
18-JAN-2010 01:16:49	1DelOph	120	41224
18-JAN-2010 01:18:08	13ZetOph	98	41224
18-JAN-2010 01:22:36	21AlpSco	16	41224
18-JAN-2010 01:27:57	GamLup	131	41224
18-JAN-2010 01:29:47	BetLup	109	41224
18-JAN-2010 01:31:17	AlpLup	78	41224
18-JAN-2010 01:33:44	Alp1Cen	4	41225
18-JAN-2010 01:38:11	Alp1Cru	12	41225
18-JAN-2010 01:39:29	DSA1053	0	41225
18-JAN-2010 01:41:23	TheCar	124	41225
18-JAN-2010 01:42:46	UpsCar	159	41225
18-JAN-2010 01:44:39	lotCar	71	41225
18-JAN-2010 01:46:30	DelVel	46	41225
18-JAN-2010 01:49:11	Gam2Vel	34	41225
18-JAN-2010 01:51:19	ZetPup	70	41225
18-JAN-2010 01:52:56	PiPup	117	41225
18-JAN-2010 01:55:28	21EpsCMa	23	41225
18-JAN-2010 01:56:52	24Omi2CMa	179	41225
18-JAN-2010 01:59:04	9AlpCMa	1	41225
18-JAN-2010 02:05:37	10AlpCMi	8	41225
18-JAN-2010 02:08:37	24GamGem	44	41225
18-JAN-2010 02:10:21	13MuGem	151	41225
18-JAN-2010 02:14:31	37TheAur	107	41225
18-JAN-2010 02:16:42	34BetAur	42	41225
18-JAN-2010 02:29:16	1AlpUMi	49	41225
18-JAN-2010 02:33:07	7BetUMi	60	41225
18-JAN-2010 02:37:30	14EtaDra	119	41225
18-JAN-2010 02:40:10	23BetDra	130	41225
18-JAN-2010 02:46:29	40ZetHer	133	41225
18-JAN-2010 02:49:39	27BetHer	127	41225
18-JAN-2010 02:55:21	24AlpSer	102	41225
18-JAN-2010 02:57:26	1DelOph	120	41225
18-JAN-2010 02:58:45	13ZetOph	98	41225
18-JAN-2010 03:03:13	21AlpSco	16	41225
18-JAN-2010 03:08:34	GamLup	131	41225
18-JAN-2010 03:10:23	BetLup	109	41225
18-JAN-2010 03:11:54	AlpLup	78	41225
18-JAN-2010 03:14:21	Alp1Cen	4	41226
18-JAN-2010 03:18:48	Alp1Cru	12	41226
18-JAN-2010 03:20:06	DSA1053	0	41226
18-JAN-2010 03:22:00	TheCar	124	41226
18-JAN-2010 03:23:23	UpsCar	159	41226
18-JAN-2010 03:25:15	lotCar	71	41226
18-JAN-2010 03:27:07	DelVel	46	41226
18-JAN-2010 03:29:48	Gam2Vel	34	41226
18-JAN-2010 03:31:56	ZetPup	70	41226
18-JAN-2010 03:33:33	PiPup	117	41226
18-JAN-2010 03:36:04	21EpsCMa	23	41226
18-JAN-2010 03:37:28	24Omi2CMa	179	41226
18-JAN-2010 03:39:40	9AlpCMa	1	41226
18-JAN-2010 03:46:13	10AlpCMi	8	41226
18-JAN-2010 03:49:13	24GamGem	44	41226

18-JAN-2010 03:50:57	13MuGem	151	41226
18-JAN-2010 03:55:07	37TheAur	107	41226
18-JAN-2010 03:57:18	34BetAur	42	41226
18-JAN-2010 04:09:52	1AlpUMi	49	41226
18-JAN-2010 04:13:43	7BetUMi	60	41226
18-JAN-2010 04:18:06	14EtaDra	119	41226
18-JAN-2010 04:20:46	23BetDra	130	41226
18-JAN-2010 04:27:06	40ZetHer	133	41226
18-JAN-2010 04:30:15	27BetHer	127	41226
18-JAN-2010 04:35:57	24AlpSer	102	41226
18-JAN-2010 04:38:02	1DelOph	120	41226
18-JAN-2010 04:39:21	13ZetOph	98	41226
18-JAN-2010 04:43:49	21AlpSco	16	41226
18-JAN-2010 04:49:10	GamLup	131	41226
18-JAN-2010 04:51:00	BetLup	109	41226
18-JAN-2010 04:54:57	Alp1Cen	4	41227
18-JAN-2010 04:59:24	Alp1Cru	12	41227
18-JAN-2010 05:00:42	DSA1053	0	41227
18-JAN-2010 05:02:36	TheCar	124	41227
18-JAN-2010 05:03:59	UpsCar	159	41227
18-JAN-2010 05:05:52	lotCar	71	41227
18-JAN-2010 05:07:43	DelVel	46	41227
18-JAN-2010 05:10:24	Gam2Vel	34	41227
18-JAN-2010 05:12:32	ZetPup	70	41227
18-JAN-2010 05:14:09	PiPup	117	41227
18-JAN-2010 05:16:40	21EpsCMa	23	41227
18-JAN-2010 05:18:04	24Omi2CMa	179	41227
18-JAN-2010 05:20:17	9AlpCMa	1	41227
18-JAN-2010 05:26:49	10AlpCMi	8	41227
18-JAN-2010 05:29:49	24GamGem	44	41227
18-JAN-2010 05:31:33	13MuGem	151	41227
18-JAN-2010 05:35:43	37TheAur	107	41227
18-JAN-2010 05:37:54	34BetAur	42	41227
18-JAN-2010 05:50:28	1AlpUMi	49	41227
18-JAN-2010 05:54:19	7BetUMi	60	41227
18-JAN-2010 05:58:42	14EtaDra	119	41227
18-JAN-2010 06:01:22	23BetDra	130	41227
18-JAN-2010 06:07:42	40ZetHer	133	41227
18-JAN-2010 06:10:51	27BetHer	127	41227
18-JAN-2010 06:16:34	24AlpSer	102	41227
18-JAN-2010 06:18:39	1DelOph	120	41227
18-JAN-2010 06:19:57	13ZetOph	98	41227
18-JAN-2010 06:24:26	21AlpSco	16	41227
18-JAN-2010 06:29:47	GamLup	131	41227
18-JAN-2010 06:31:37	BetLup	109	41227
18-JAN-2010 06:35:33	Alp1Cen	4	41228
18-JAN-2010 06:40:00	Alp1Cru	12	41228
18-JAN-2010 06:41:19	DSA1053	0	41228
18-JAN-2010 06:43:13	TheCar	124	41228
18-JAN-2010 06:44:35	UpsCar	159	41228
18-JAN-2010 06:46:28	lotCar	71	41228
18-JAN-2010 06:48:19	DelVel	46	41228
18-JAN-2010 06:51:00	Gam2Vel	34	41228
18-JAN-2010 06:53:08	ZetPup	70	41228
18-JAN-2010 06:54:45	PiPup	117	41228
18-JAN-2010 06:57:16	21EpsCMa	23	41228
18-JAN-2010 06:58:41	24Omi2CMa	179	41228
18-JAN-2010 07:00:53	9AlpCMa	1	41228
18-JAN-2010 07:07:25	10AlpCMi	8	41228

18-JAN-2010 07: 10: 25	24GamGem	44	41228
18-JAN-2010 07: 12: 09	13MuGem	151	41228
18-JAN-2010 07: 16: 19	37TheAur	107	41228
18-JAN-2010 07: 18: 30	34BetAur	42	41228
18-JAN-2010 07: 31: 04	1AlpUMi	49	41228
18-JAN-2010 07: 34: 54	7BetUMi	60	41228
18-JAN-2010 07: 39: 18	14EtaDra	119	41228
18-JAN-2010 07: 41: 58	23BetDra	130	41228
18-JAN-2010 07: 48: 18	40ZetHer	133	41228
18-JAN-2010 07: 51: 28	27BetHer	127	41228
18-JAN-2010 07: 57: 10	24AlpSer	102	41228
18-JAN-2010 07: 59: 15	1DelOph	120	41228
18-JAN-2010 08: 05: 02	21AlpSco	16	41228
18-JAN-2010 08: 10: 23	GamLup	131	41228
18-JAN-2010 08: 12: 13	BetLup	109	41228
18-JAN-2010 08: 13: 44	AlpLup	78	41228
18-JAN-2010 08: 16: 10	Alp1Cen	4	41229
18-JAN-2010 08: 20: 37	Alp1Cru	12	41229
18-JAN-2010 08: 21: 56	DSA1053	0	41229
18-JAN-2010 08: 23: 49	TheCar	124	41229
18-JAN-2010 08: 25: 12	UpsCar	159	41229
18-JAN-2010 08: 27: 04	lotCar	71	41229
18-JAN-2010 08: 28: 55	DelVel	46	41229
18-JAN-2010 08: 31: 36	Gam2Vel	34	41229
18-JAN-2010 08: 33: 44	ZetPup	70	41229
18-JAN-2010 08: 35: 21	PiPup	117	41229
18-JAN-2010 08: 37: 52	21EpsCMa	23	41229
18-JAN-2010 08: 39: 17	24Omi2CMa	179	41229
18-JAN-2010 08: 41: 29	9AlpCMa	1	41229
18-JAN-2010 08: 48: 01	10AlpCMi	8	41229
18-JAN-2010 08: 51: 01	24GamGem	44	41229
18-JAN-2010 08: 52: 45	13MuGem	151	41229
18-JAN-2010 08: 56: 55	37TheAur	107	41229
18-JAN-2010 08: 59: 06	34BetAur	42	41229
18-JAN-2010 09: 11: 40	1AlpUMi	49	41229
18-JAN-2010 09: 15: 30	7BetUMi	60	41229
18-JAN-2010 09: 19: 54	14EtaDra	119	41229
18-JAN-2010 09: 22: 34	23BetDra	130	41229
18-JAN-2010 09: 28: 54	40ZetHer	133	41229
18-JAN-2010 09: 32: 04	27BetHer	127	41229
18-JAN-2010 09: 37: 47	24AlpSer	102	41229
18-JAN-2010 09: 39: 51	1DelOph	120	41229
18-JAN-2010 09: 45: 38	21AlpSco	16	41229
18-JAN-2010 09: 51: 00	GamLup	131	41229
18-JAN-2010 09: 52: 50	BetLup	109	41229
18-JAN-2010 09: 54: 20	AlpLup	78	41229
18-JAN-2010 10: 09: 32	DelVel	46	41230
18-JAN-2010 11: 50: 08	DelVel	46	41231
18-JAN-2010 11: 52: 49	Gam2Vel	34	41231
18-JAN-2010 11: 54: 57	ZetPup	70	41231
18-JAN-2010 13: 22: 26	Alp1Cru	12	41232
18-JAN-2010 13: 28: 53	lotCar	71	41232
18-JAN-2010 15: 21: 41	24Omi2CMa	179	41233
18-JAN-2010 15: 57: 53	7BetUMi	60	41233
18-JAN-2010 16: 46: 51	TheCar	124	41234
18-JAN-2010 16: 50: 06	lotCar	71	41234
18-JAN-2010 17: 38: 29	7BetUMi	60	41234
18-JAN-2010 18: 30: 43	lotCar	71	41235
18-JAN-2010 18: 42: 53	24Omi2CMa	179	41235

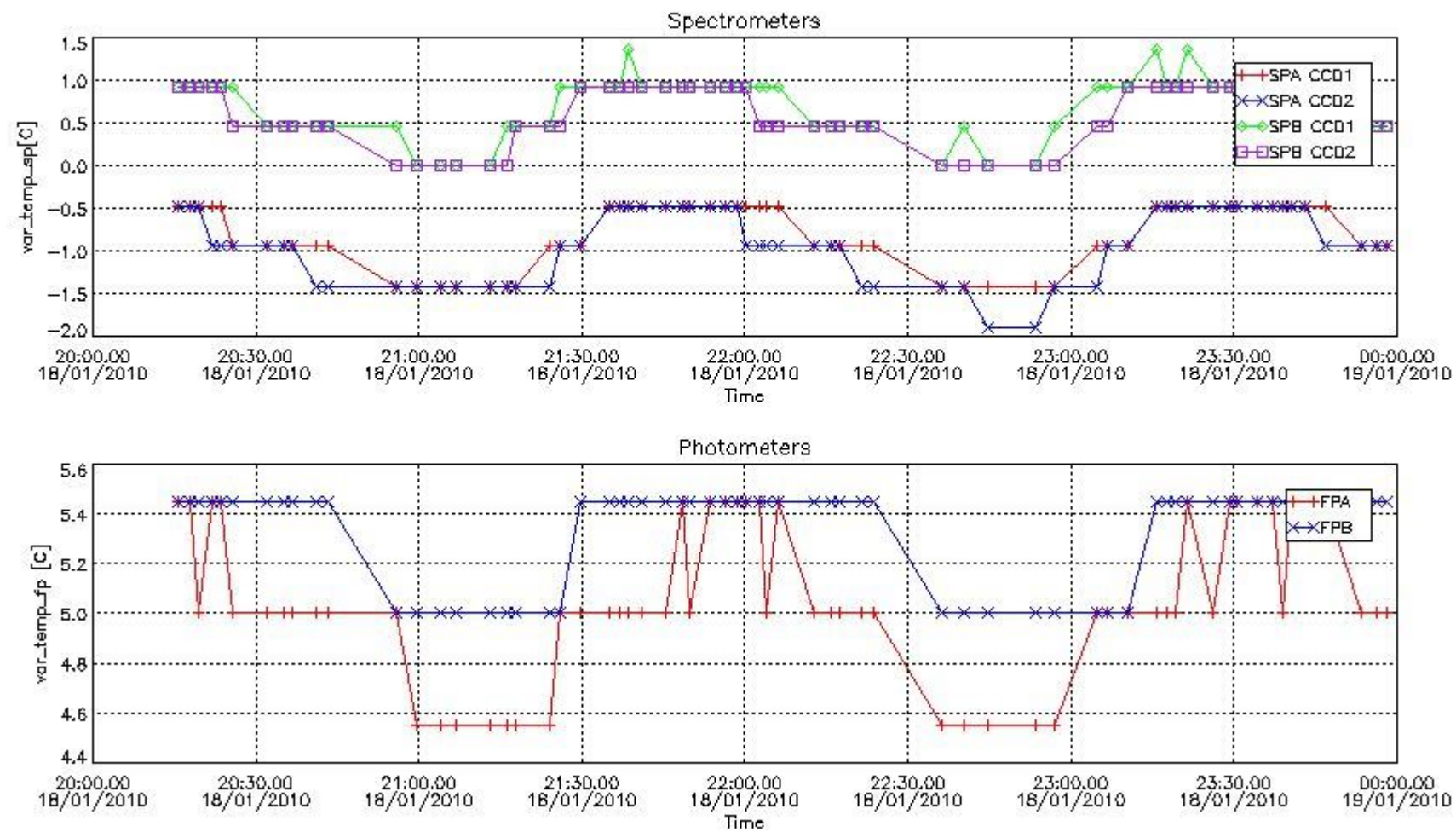
18-JAN-2010 18:51:35	10AlpCMi	8	41235
18-JAN-2010 21:51:55	lotCar	71	41237
18-JAN-2010 22:47:22	23BetDra	130	41237
18-JAN-2010 22:58:33	55AlpOph	59	41237
18-JAN-2010 23:32:32	lotCar	71	41238
18-JAN-2010 23:44:42	24Omi2CMa	179	41238

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_1PNPDE20100118_201545_000000442086_00100_41236_5262.N1	18-JAN-2010 20:15:45	Dark	43.500	34	Gam2Vel	1.7930	23000.	87	41236	No
2	GOM_TRA_1PNPDE20100118_201753_000000442086_00100_41236_5263.N1	18-JAN-2010 20:17:53	Dark	44.000	70	Zet Pup	2.2460	39000.	88	41236	No
3	GOM_TRA_1PNPDE20100118_201929_000000442086_00100_41236_5264.N1	18-JAN-2010 20:19:29	Straylight	43.500	117	Pi Pup	2.7060	3800.0	87	41236	No
4	GOM_TRA_1PNPDE20100118_202200_000000422086_00100_41236_5265.N1	18-JAN-2010 20:22:00	Straylight	42.000	23	21Eps CMa	1.5020	26000.	84	41236	No
5	GOM_TRA_1PNPDE20100118_202324_000000412086_00100_41236_5266.N1	18-JAN-2010 20:23:24	Straylight	40.500	179	24Omi2CMa	3.0320	24000.	81	41236	No
6	GOM_TRA_1PNPDE20100118_202536_000000422086_00100_41236_5267.N1	18-JAN-2010 20:25:36	Straylight	41.500	1	9Alp CMa	-1.4400	11000.	83	41236	No
7	GOM_TRA_1PNPDE20100118_203205_000000522086_00100_41236_5268.N1	18-JAN-2010 20:32:05	Twilight	52.000	8	10Alp CMi	0.40000	6500.0	104	41236	No
8	GOM_TRA_1PNPDE20100118_203507_000000532086_00100_41236_5269.N1	18-JAN-2010 20:35:07	Bright	53.000	44	24Gam Gem	1.9280	11000.	106	41236	No
9	GOM_TRA_1PNPDE20100118_203651_000000422086_00100_41236_5270.N1	18-JAN-2010 20:36:51	Bright	42.000	151	13Mu Gem	2.8900	3000.0	84	41236	No
10	GOM_TRA_1PNPDE20100118_204102_000000362086_00100_41236_5271.N1	18-JAN-2010 20:41:02	Bright	36.000	107	37The Aur	2.6490	11000.	72	41236	No
11	GOM_TRA_1PNPDE20100118_204312_000000362086_00100_41236_5272.N1	18-JAN-2010 20:43:12	Bright	35.500	42	34Bet Aur	1.9000	10200.	71	41236	No
12	GOM_TRA_1PNPDE20100118_205546_000000382086_00100_41236_5273.N1	18-JAN-2010 20:55:46	Bright	38.000	49	1Alp UMi	1.9900	6300.0	76	41236	No
13	GOM_TRA_1PNPDE20100118_205935_000000412086_00100_41236_5274.N1	18-JAN-2010 20:59:35	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	41236	No
14	GOM_TRA_1PNPDE20100118_210359_000000392086_00100_41236_5275.N1	18-JAN-2010 21:03:59	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	41236	No
15	GOM_TRA_1PNPDE20100118_210641_000000382086_00100_41236_5276.N1	18-JAN-2010 21:06:41	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	41236	No
16	GOM_TRA_1PNPDE20100118_211301_000000552086_00100_41236_5277.N1	18-JAN-2010 21:13:01	Bright	55.000	133	40Zet Her	2.8070	6000.0	110	41236	No
17	GOM_TRA_1PNPDE20100118_211612_000000382086_00100_41236_5278.N1	18-JAN-2010 21:16:12	Bright	38.000	127	27Bet Her	2.7810	4700.0	76	41236	No
18	GOM_TRA_1PNPDE20100118_211752_000000342086_00100_41236_5279.N1	18-JAN-2010 21:17:52	Bright	33.500	59	55Alp Oph	2.0800	8900.0	67	41236	No
19	GOM_TRA_1PNPDE20100118_212401_000000412086_00100_41236_5280.N1	18-JAN-2010 21:24:01	Bright	40.500	120	1Del Oph	2.7340	3200.0	81	41236	No
20	GOM_TRA_1PNPDE20100118_212601_000000522086_00100_41236_5281.N1	18-JAN-2010 21:26:01	Bright	52.000	86	35Eta Oph	2.4300	10200.	104	41236	No
21	GOM_TRA_1PNPDE20100118_212947_000000542086_00100_41236_5282.N1	18-JAN-2010 21:29:47	Twilight	54.000	16	21Alp Sco	1.0200	3000.0	108	41236	No
22	GOM_TRA_1PNPDE20100118_213510_000000402086_00100_41236_5283.N1	18-JAN-2010 21:35:10	Dark	39.500	131	Gam Lup	2.8000	26000.	79	41236	No
23	GOM_TRA_1PNPDE20100118_213701_000000432086_00100_41236_5284.N1	18-JAN-2010 21:37:01	Dark	42.500	109	Bet Lup	2.6770	26000.	85	41236	No
24	GOM_TRA_1PNPDE20100118_213831_000000422086_00100_41236_5285.N1	18-JAN-2010 21:38:31	Dark	41.500	78	Alp Lup	2.3040	28000.	83	41236	No
25	GOM_TRA_1PNPDE20100118_214055_000000412086_00101_41237_5286.N1	18-JAN-2010 21:40:55	Dark	41.000	4	Alp1Cen	-0.010000	5800.0	82	41237	No
26	GOM_TRA_1PNPDE20100118_214523_000000422086_00101_41237_5287.N1	18-JAN-2010 21:45:23	Dark	42.000	12	Alp1Cru	0.77500	30000.	84	41237	No
27	GOM_TRA_1PNPDE20100118_214835_000000392086_00101_41237_5288.N1	18-JAN-2010 21:48:35	Dark	38.500	124	The Car	2.7640	30000.	77	41237	No
28	GOM_TRA_1PNPDE20100118_214957_000000382086_00101_41237_5289.N1	18-JAN-2010 21:49:57	Dark	37.500	159	Ups Car	2.9200	7200.0	75	41237	No
29	GOM_TRA_1PNPDE20100118_215341_000000442086_00101_41237_5290.N1	18-JAN-2010 21:53:41	Dark	44.000	46	Del Vel	1.9540	10600.	88	41237	No
30	GOM_TRA_1PNPDE20100118_215621_000000402086_00101_41237_5291.N1	18-JAN-2010 21:56:21	Dark	40.000	34	Gam2Vel	1.7930	23000.	80	41237	No
31	GOM_TRA_1PNPDE20100118_215829_000000412086_00101_41237_5292.N1	18-JAN-2010 21:58:29	Dark	40.500	70	Zet Pup	2.2460	39000.	81	41237	No
32	GOM_TRA_1PNPDE20100118_220005_000000452086_00101_41237_5293.N1	18-JAN-2010 22:00:05	Straylight	45.000	117	Pi Pup	2.7060	3800.0	90	41237	No
33	GOM_TRA_1PNPDE20100118_220236_000000432086_00101_41237_5294.N1	18-JAN-2010 22:02:36	Straylight	43.000	23	21Eps CMa	1.5020	26000.	86	41237	No
34	GOM_TRA_1PNPDE20100118_220400_000000412086_00101_41237_5295.N1	18-JAN-2010 22:04:00	Straylight	40.500	179	24Omi2CMa	3.0320	24000.	81	41237	No
35	GOM_TRA_1PNPDE20100118_220612_000000432086_00101_41237_5296.N1	18-JAN-2010 22:06:12	Straylight	42.500	1	9Alp CMa	-1.4400	11000.	85	41237	No
36	GOM_TRA_1PNPDE20100118_221241_000000542086_00101_41237_5297.N1	18-JAN-2010 22:12:41	Twilight	54.000	8	10Alp CMi	0.40000	6500.0	108	41237	No
37	GOM_TRA_1PNPDE20100118_221543_000000532086_00101_41237_5298.N1	18-JAN-2010 22:15:43	Bright	52.500	44	24Gam Gem	1.9280	11000.	105	41237	No
38	GOM_TRA_1PNPDE20100118_221727_000000422086_00101_41237_5299.N1	18-JAN-2010 22:17:27	Bright	42.000	151	13Mu Gem	2.8900	3000.0	84	41237	No
39	GOM_TRA_1PNPDE20100118_222137_000000372086_00101_41237_5300.N1	18-JAN-2010 22:21:37	Bright	37.000	107	37The Aur	2.6490	11000.	74	41237	No
40	GOM_TRA_1PNPDE20100118_222348_000000372086_00101_41237_5301.N1	18-JAN-2010 22:23:48	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	41237	No
41	GOM_TRA_1PNPDE20100118_223621_000000332086_00101_41237_5302.N1	18-JAN-2010 22:36:21	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	41237	No
42	GOM_TRA_1PNPDE20100118_224011_000000412086_00101_41237_5303.N1	18-JAN-2010 22:40:11	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	41237	No
43	GOM_TRA_1PNPDE20100118_224435_000000402086_00101_41237_5304.N1	18-JAN-2010 22:44:35	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	41237	No
44	GOM_TRA_1PNPDE20100118_225337_000000552086_00101_41237_5305.N1	18-JAN-2010 22:53:37	Bright	55.000	133	40Zet Her	2.8070	6000.0	110	41237	No
45	GOM_TRA_1PNPDE20100118_225647_000000392086_00101_41237_5306.N1	18-JAN-2010 22:56:47	Bright	38.500	127	27Bet Her	2.7810	4700.0	77	41237	No
46	GOM_TRA_1PNPDE20100118_230437_000000532086_00101_41237_5307.N1	18-JAN-2010 23:04:37	Bright	52.500	120	1Del Oph	2.7340	3200.0	105	41237	No
47	GOM_TRA_1PNPDE20100118_230638_000000522086_00101_41237_5308.N1	18-JAN-2010 23:06:38	Bright	51.500	86	35Eta Oph	2.4300	10200.	103	41237	No
48	GOM_TRA_1PNPDE20100118_231023_000000492086_00101_41237_5298.N1	18-JAN-2010 23:10:23	Twilight	49.000	16	21Alp Sco	1.0200	3000.0	98	41237	No

49	GOM_TRA_1PNPDE20100118_231546_000000392086_00101_41237_5299.N1	18-JAN-2010 23:15:46	Dark	39.000	131	Gam Lup	2.8000	26000.	78	41237	No
50	GOM_TRA_1PNPDE20100118_231738_000000412086_00101_41237_5300.N1	18-JAN-2010 23:17:38	Dark	41.000	109	Bet Lup	2.6770	26000.	82	41237	No
51	GOM_TRA_1PNPDE20100118_231908_000000432086_00101_41237_5301.N1	18-JAN-2010 23:19:08	Dark	42.500	78	Alp Lup	2.3040	28000.	85	41237	No
52	GOM_TRA_1PNPDE20100118_232132_000000542086_00102_41238_5302.N1	18-JAN-2010 23:21:32	Dark	53.500	4	Alp1Cen	-0.010000	5800.0	107	41238	No
53	GOM_TRA_1PNPDE20100118_232600_000000492086_00102_41238_5303.N1	18-JAN-2010 23:26:00	Dark	48.500	12	Alp1Cru	0.77500	30000.	97	41238	No
54	GOM_TRA_1PNPDE20100118_232911_000000382086_00102_41238_5304.N1	18-JAN-2010 23:29:11	Dark	37.500	124	The Car	2.7640	30000.	75	41238	No
55	GOM_TRA_1PNPDE20100118_233033_000000382086_00102_41238_5305.N1	18-JAN-2010 23:30:33	Dark	37.500	159	Ups Car	2.9200	7200.0	75	41238	No
56	GOM_TRA_1PNPDE20100118_233417_000000422086_00102_41238_5306.N1	18-JAN-2010 23:34:17	Dark	41.500	46	Del Vel	1.9540	10600.	83	41238	No
57	GOM_TRA_1PNPDE20100118_233657_000000442086_00102_41238_5307.N1	18-JAN-2010 23:36:57	Dark	43.500	34	Gam2Vel	1.7930	23000.	87	41238	No
58	GOM_TRA_1PNPDE20100118_233905_000000442086_00102_41238_5308.N1	18-JAN-2010 23:39:05	Dark	43.500	70	Zet Pup	2.2460	39000.	87	41238	No
59	GOM_TRA_1PNPDE20100118_234041_000000452086_00102_41238_5309.N1	18-JAN-2010 23:40:41	Straylight	45.000	117	Pi Pup	2.7060	3800.0	90	41238	No
60	GOM_TRA_1PNPDE20100118_234312_000000422086_00102_41238_5310.N1	18-JAN-2010 23:43:12	Straylight	41.500	23	21Eps CMa	1.5020	26000.	83	41238	No
61	GOM_TRA_1PNPDE20100118_234648_000000472086_00102_41238_5311.N1	18-JAN-2010 23:46:48	Straylight	47.000	1	9Alp CMa	-1.4400	11000.	94	41238	No
62	GOM_TRA_1PNPDE20100118_235317_000000542086_00102_41238_5312.N1	18-JAN-2010 23:53:17	Twilight	53.500	8	10Alp CMi	0.40000	6500.0	107	41238	No
63	GOM_TRA_1PNPDE20100118_235618_000000472086_00102_41238_5313.N1	18-JAN-2010 23:56:18	Bright	46.500	44	24Gam Gem	1.9280	11000.	93	41238	No
64	GOM_TRA_1PNPDE20100118_235803_000000422086_00102_41238_5314.N1	18-JAN-2010 23:58:03	Bright	42.000	151	13Mu Gem	2.8900	3000.0	84	41238	No

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



4. Overview of dark signal processing per product

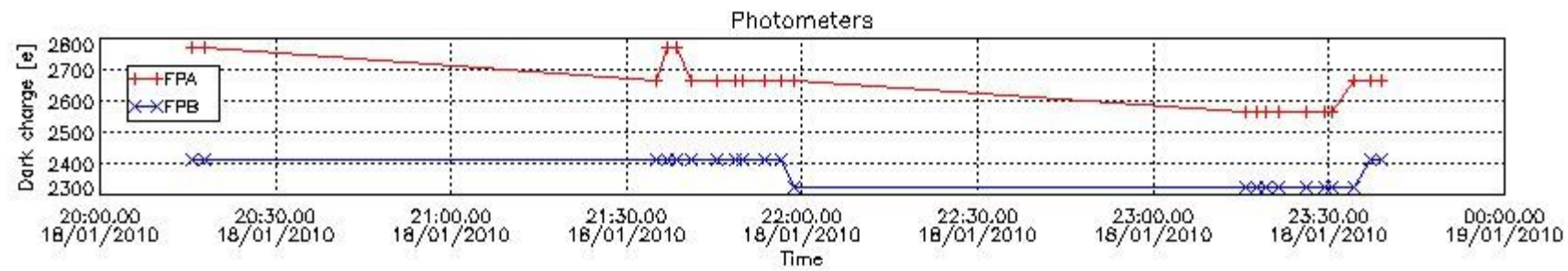
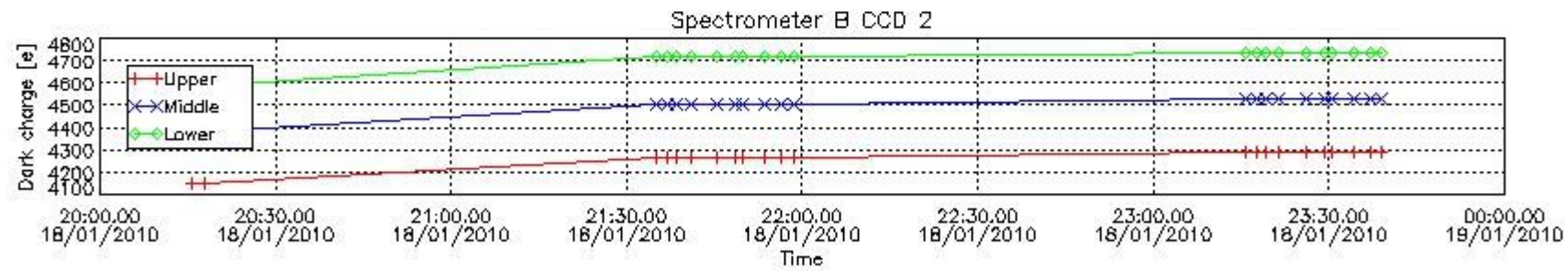
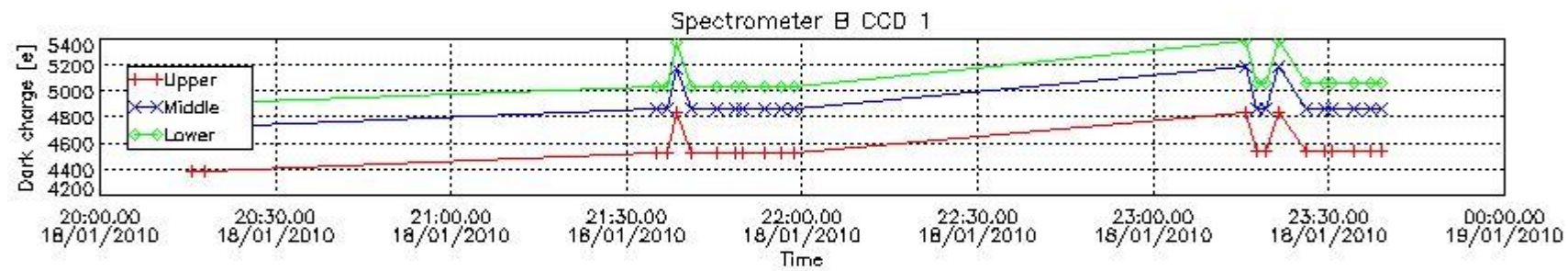
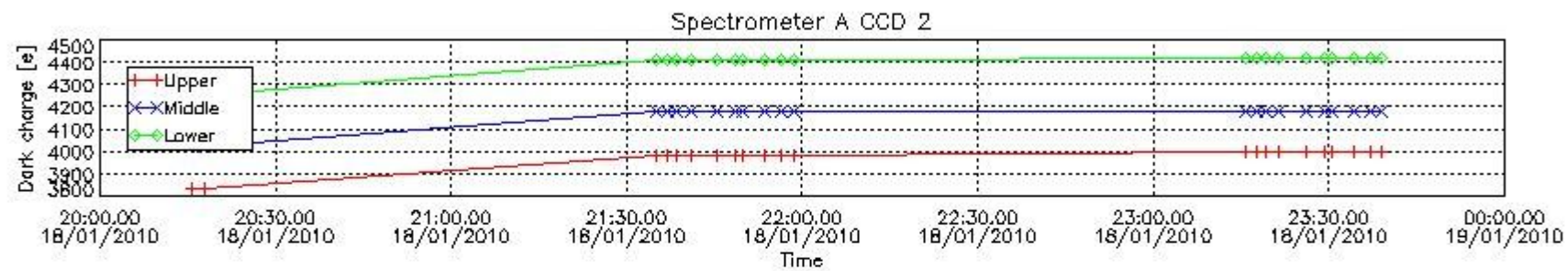
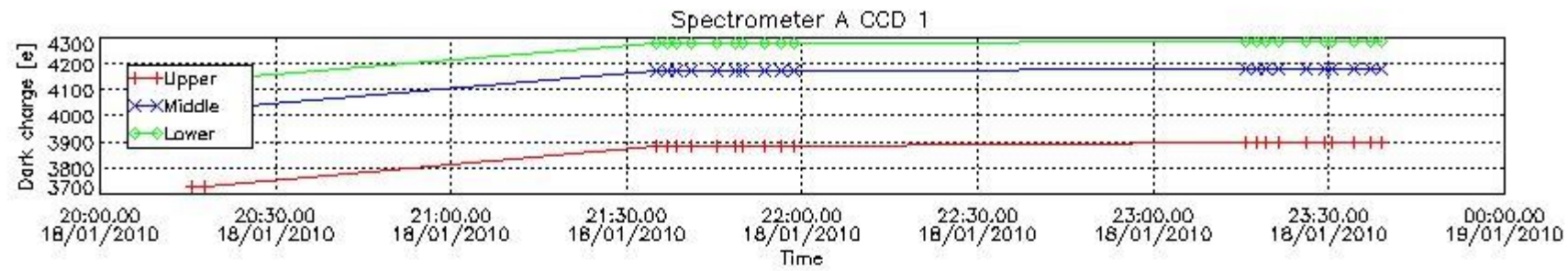
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20100118_201545_000000442086_00100_41236_5262.N1	DC map used
GOM_TRA_1PNPDE20100118_201753_000000442086_00100_41236_5263.N1	DC map used
GOM_TRA_1PNPDE20100118_201929_000000442086_00100_41236_5264.N1	DC map used
GOM_TRA_1PNPDE20100118_202200_000000422086_00100_41236_5265.N1	DC map used
GOM_TRA_1PNPDE20100118_202324_000000412086_00100_41236_5266.N1	DC map used
GOM_TRA_1PNPDE20100118_202536_000000422086_00100_41236_5267.N1	DC map used
GOM_TRA_1PNPDE20100118_203205_000000522086_00100_41236_5268.N1	DC map used
GOM_TRA_1PNPDE20100118_203507_000000532086_00100_41236_5269.N1	DC map used
GOM_TRA_1PNPDE20100118_203651_000000422086_00100_41236_5270.N1	DC map used
GOM_TRA_1PNPDE20100118_204102_000000362086_00100_41236_5271.N1	DC map used
GOM_TRA_1PNPDE20100118_204312_000000362086_00100_41236_5272.N1	DC map used
GOM_TRA_1PNPDE20100118_205546_000000382086_00100_41236_5273.N1	DC map used
GOM_TRA_1PNPDE20100118_205935_000000412086_00100_41236_5274.N1	DC map used
GOM_TRA_1PNPDE20100118_210359_000000392086_00100_41236_5275.N1	DC map used
GOM_TRA_1PNPDE20100118_210641_000000382086_00100_41236_5276.N1	DC map used
GOM_TRA_1PNPDE20100118_211301_000000552086_00100_41236_5277.N1	DC map used
GOM_TRA_1PNPDE20100118_211612_000000382086_00100_41236_5278.N1	DC map used
GOM_TRA_1PNPDE20100118_211752_000000342086_00100_41236_5279.N1	DC map used
GOM_TRA_1PNPDE20100118_212401_000000412086_00100_41236_5280.N1	DC map used

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



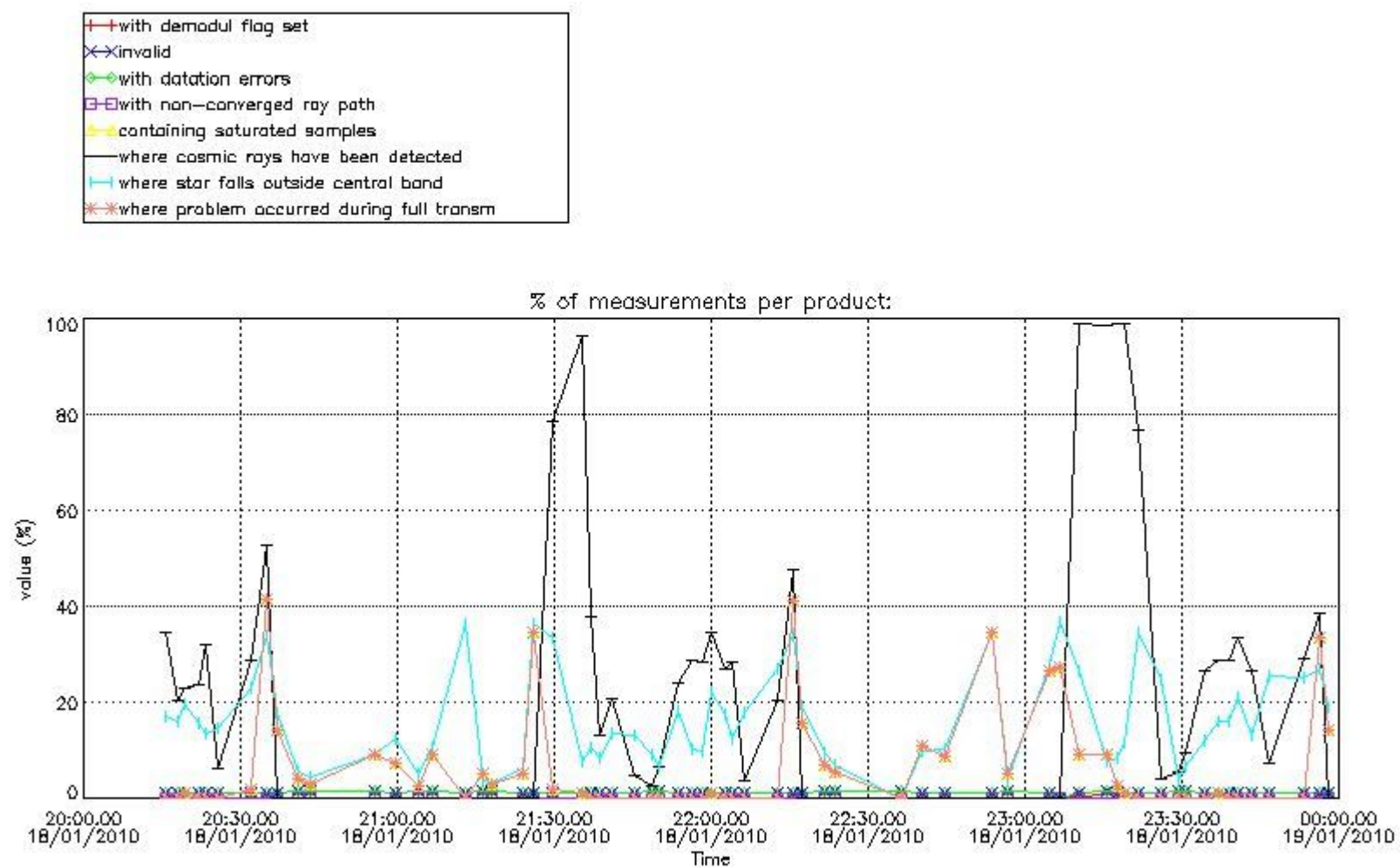
5. Demodulation flag and quality information monitoring

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.

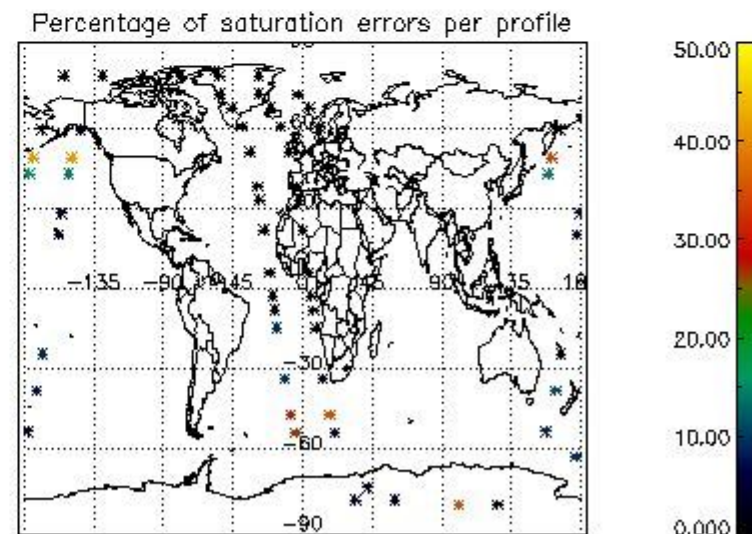
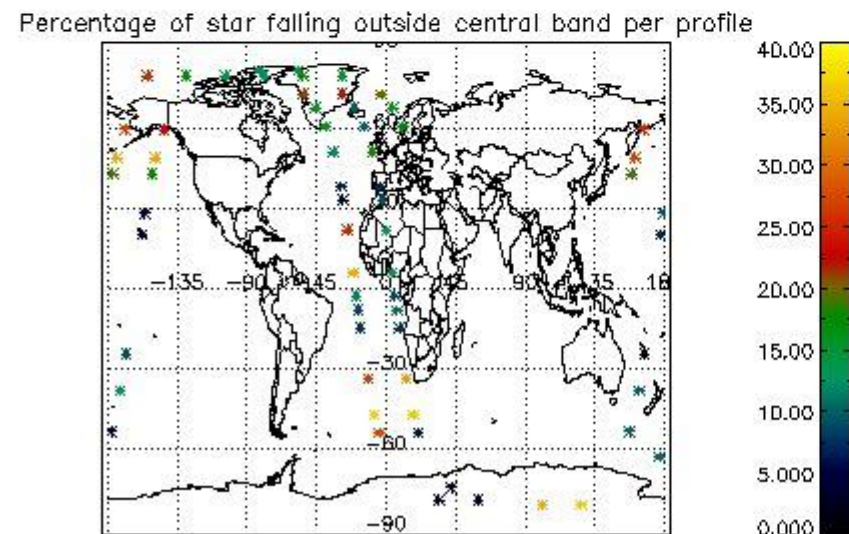
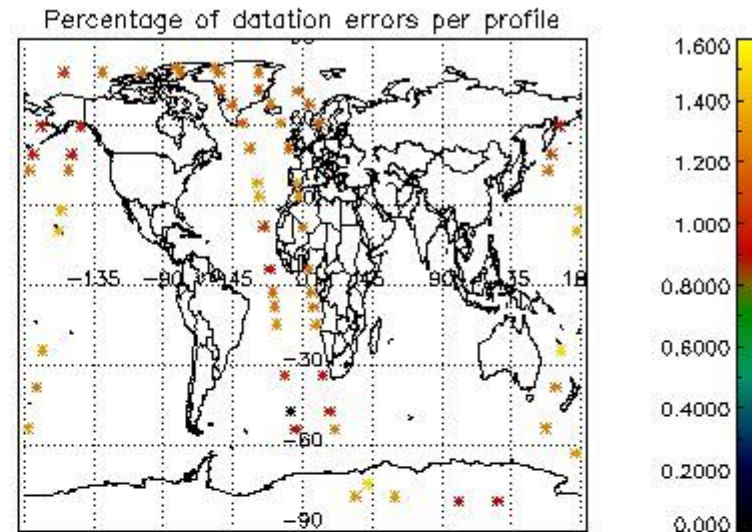
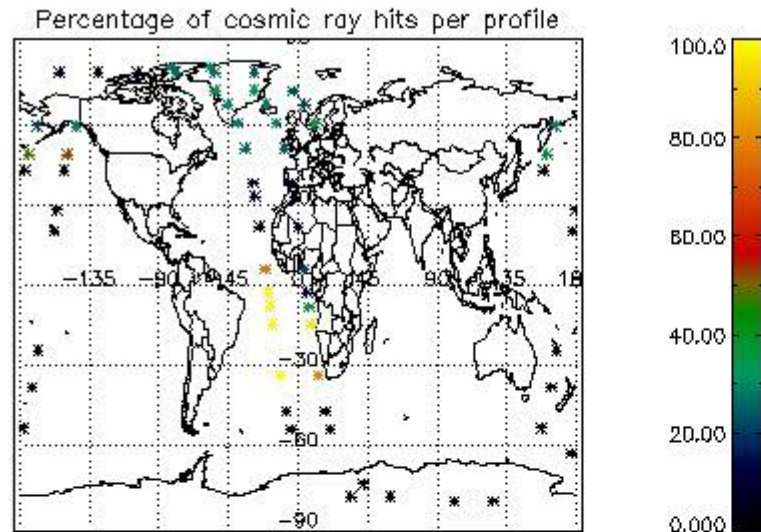
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	40.6250 %
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)



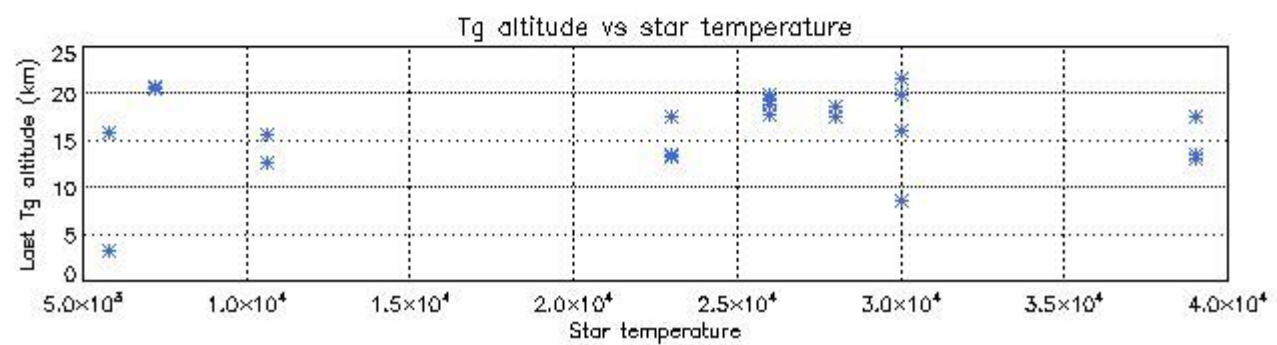
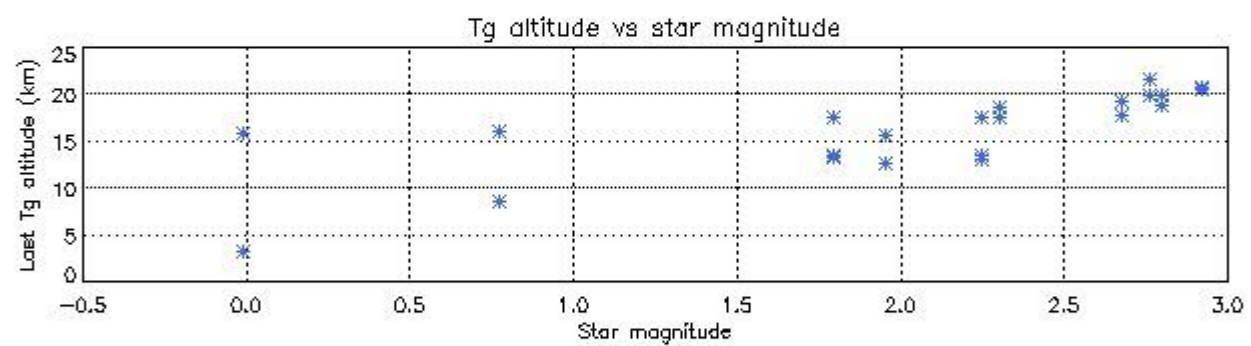
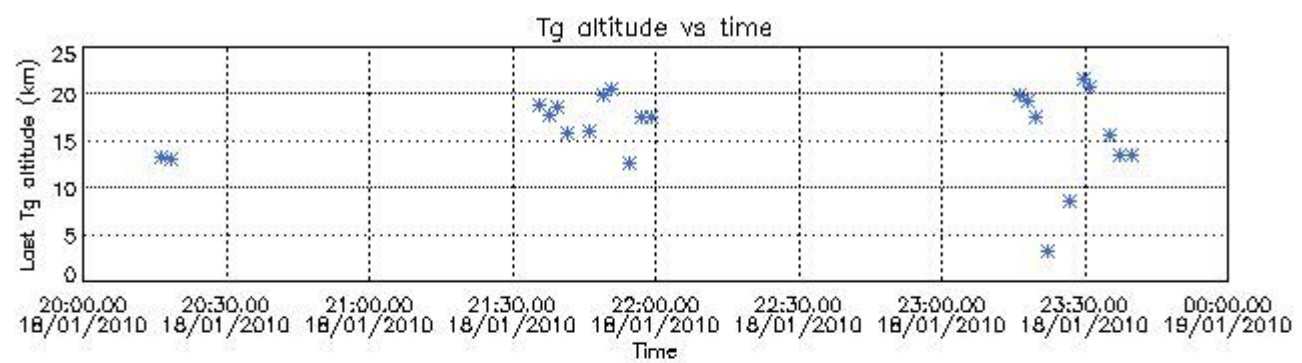
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	16.118	14.735	5.8131
St. deviation:	4.3441	7.2760	2.5078
Maximum:	21.503	28.689	7.5864
Minimum:	3.2987	3.9230	4.0398
Number of data:	22.000	26.000	2.0000

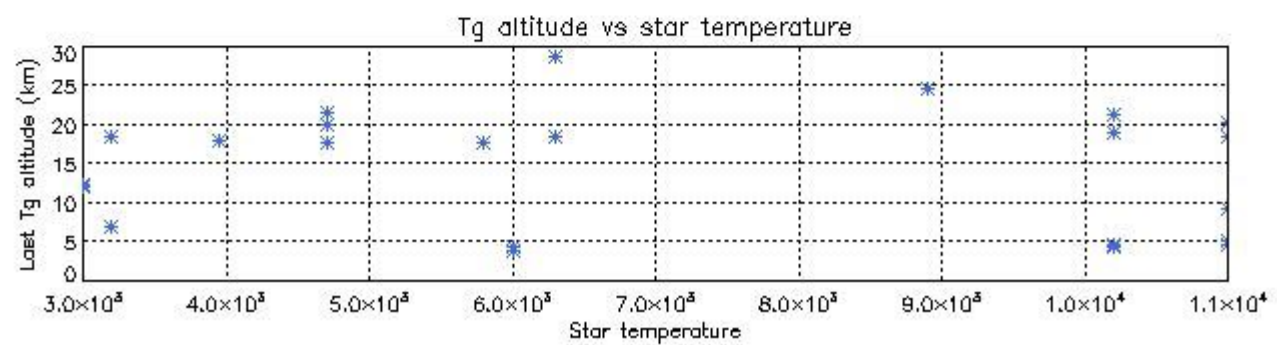
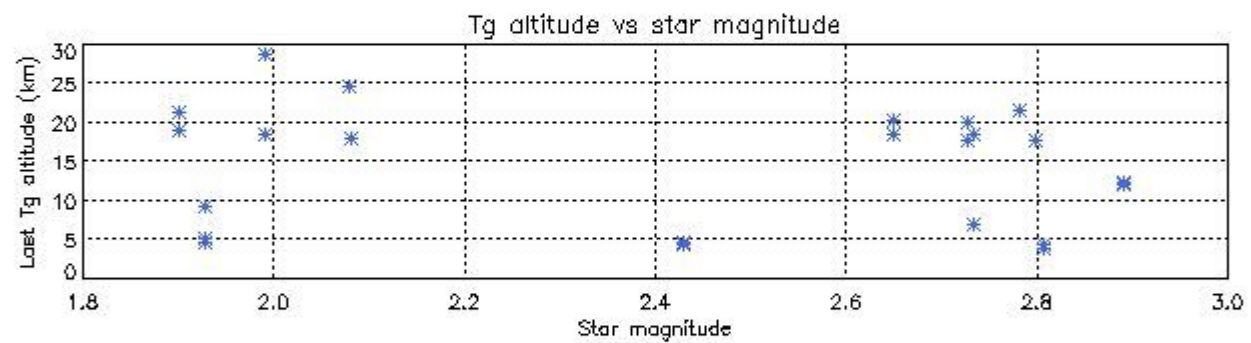
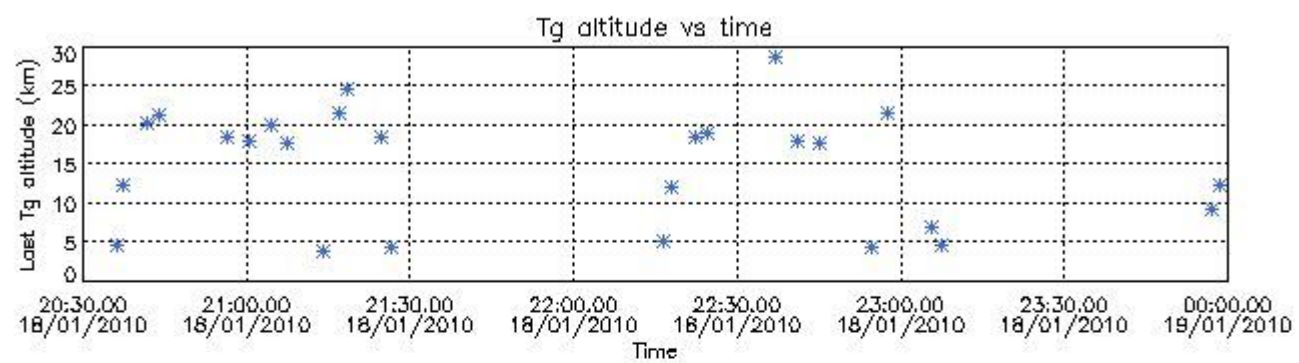
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



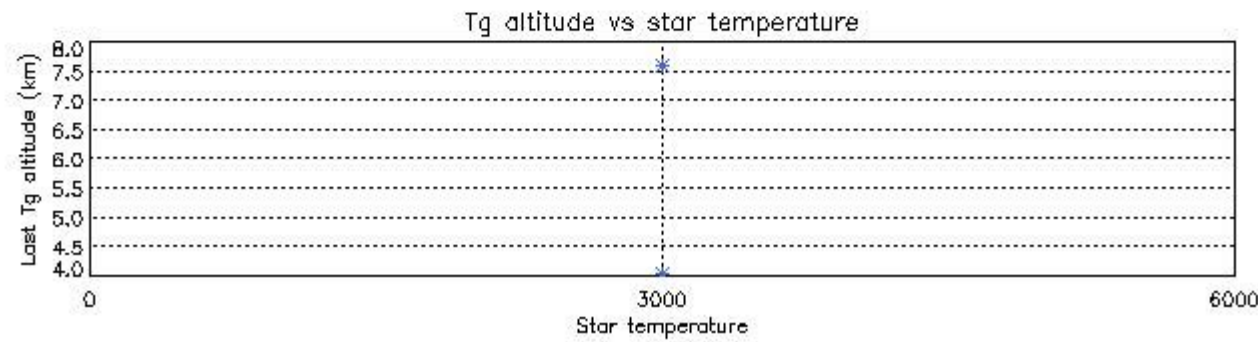
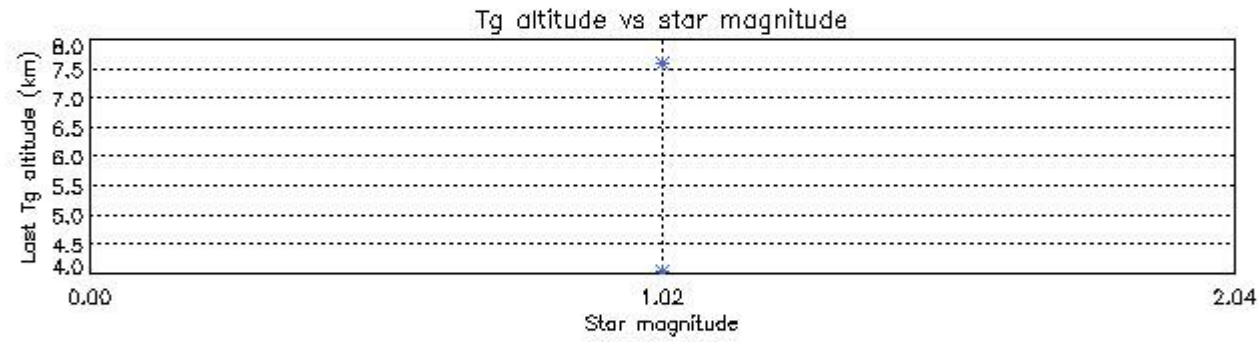
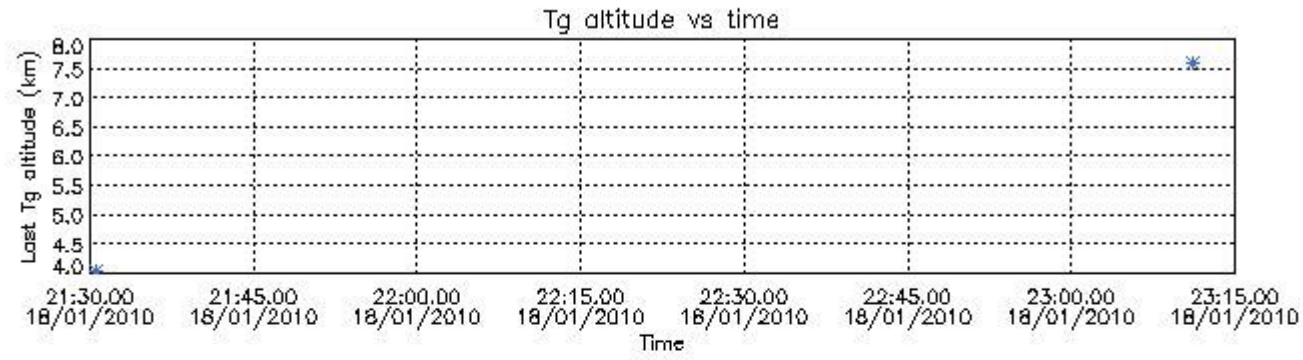
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

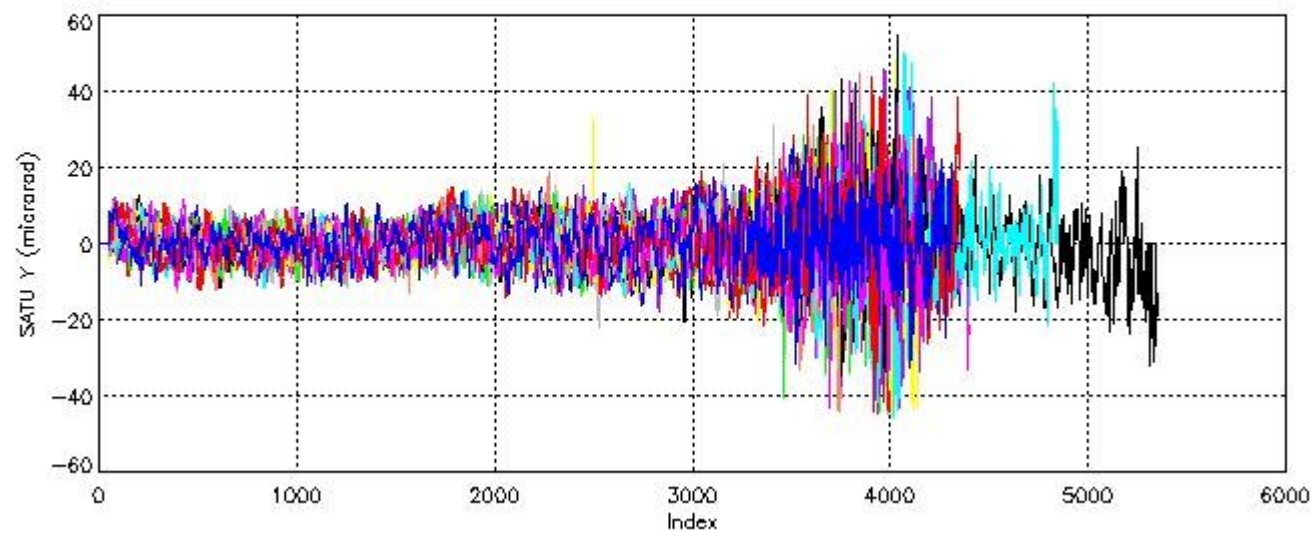
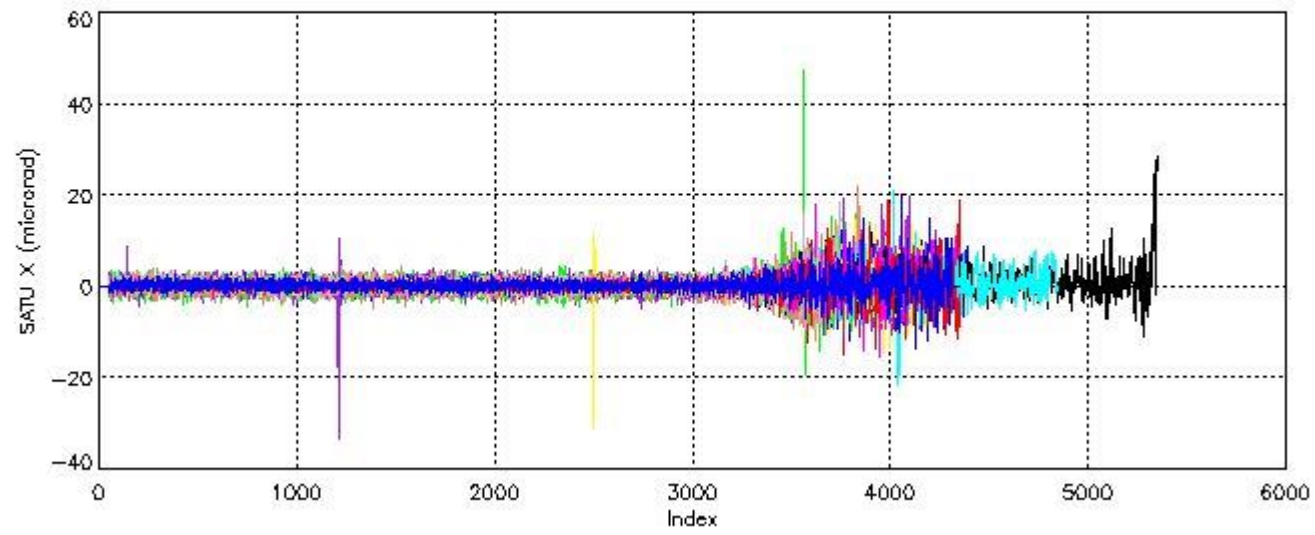


7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

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

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

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.13303	0.35589	0.079322	-0.19759
St. deviation:	0.75177	3.4442	0.64434	3.0924
Maximum:	8.7000	12.400	4.1000	13.400
Minimum:	-4.5000	-12.600	-4.5000	-12.700

Number of data:	20250.	20250.	22400.	22400.
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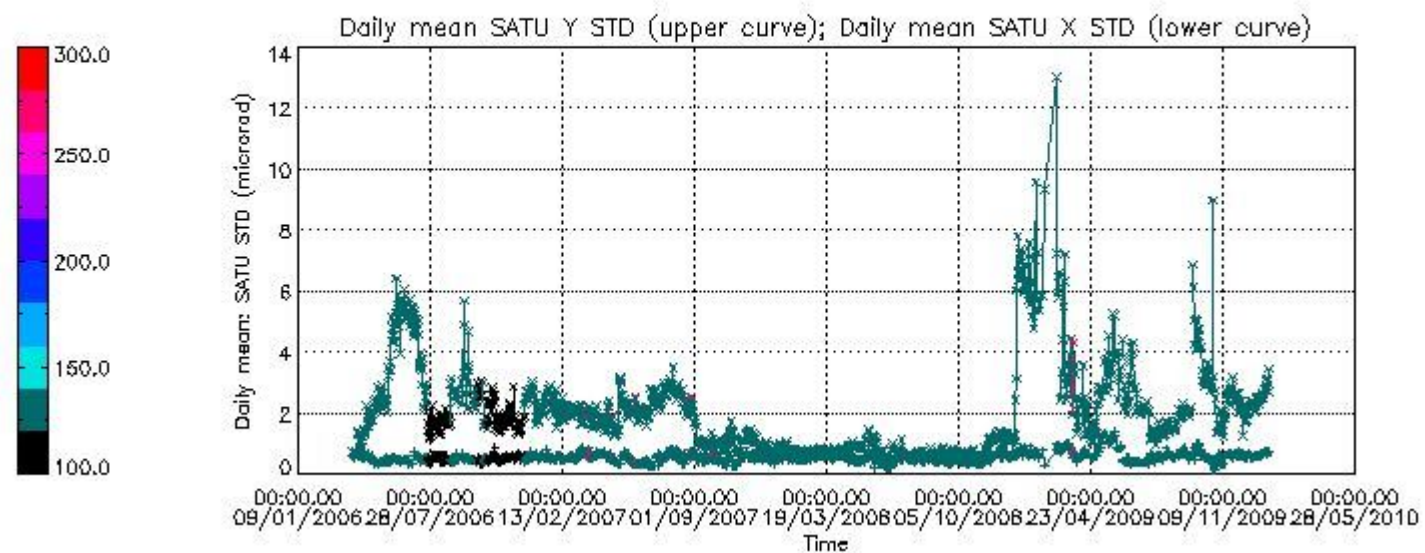
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

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

Upper curve: STD of SATU Y axis

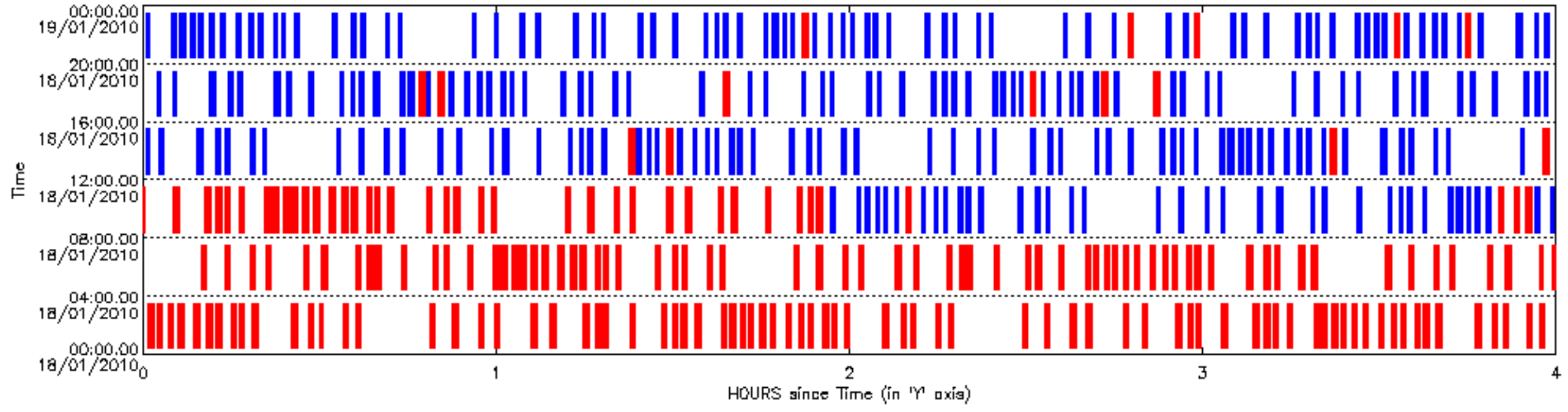
Lower curve: STD of SATU X axis

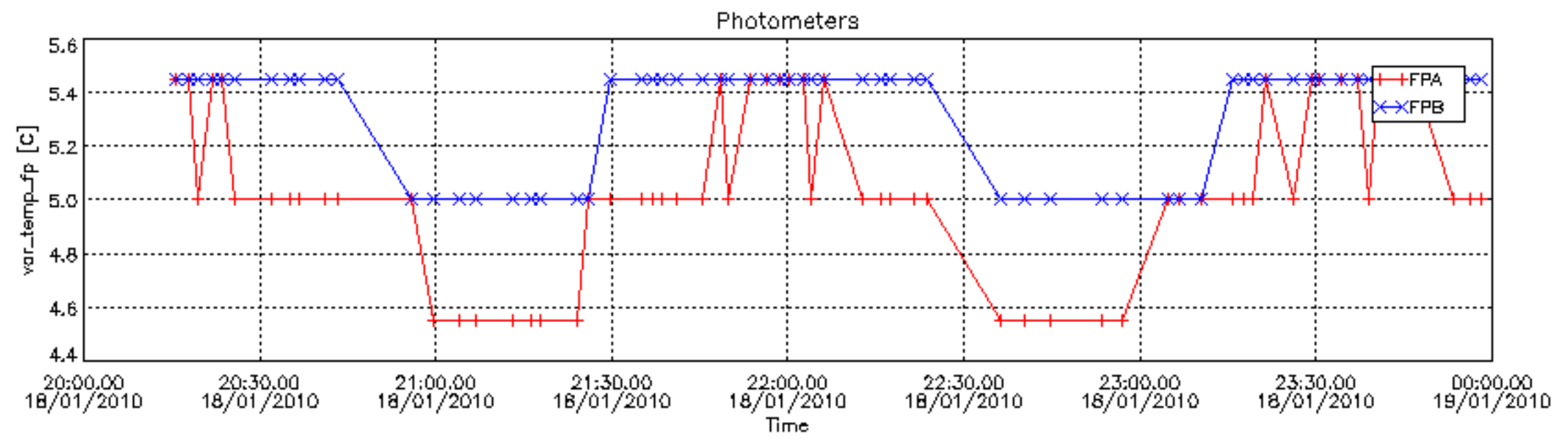
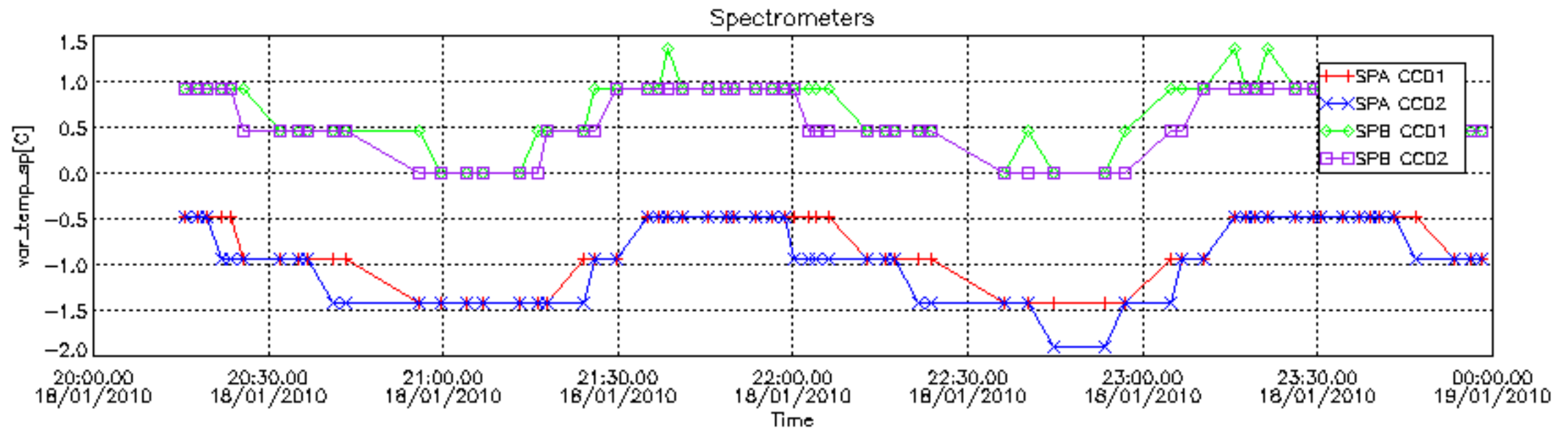


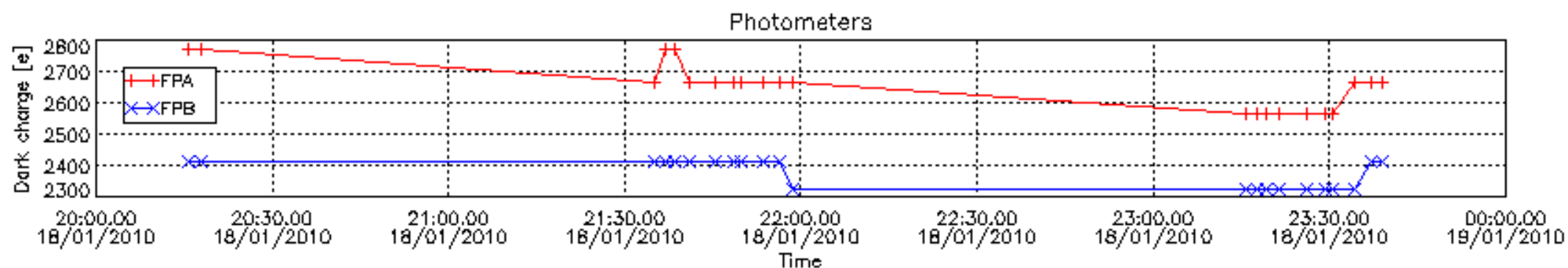
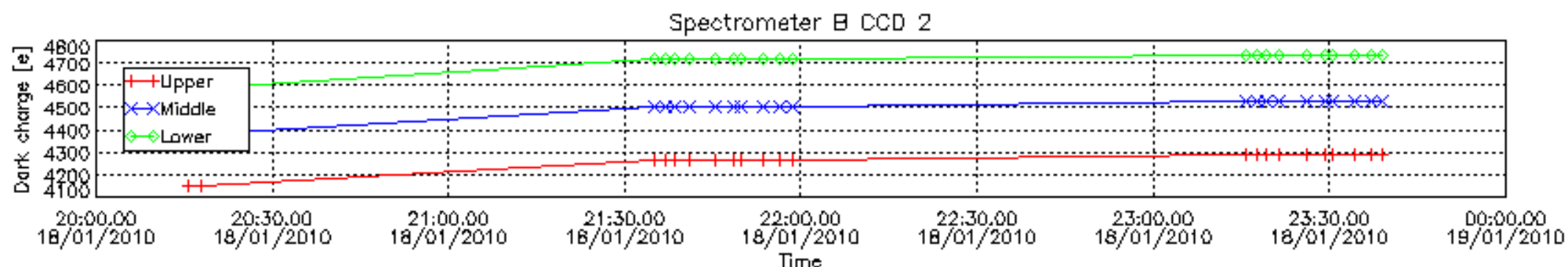
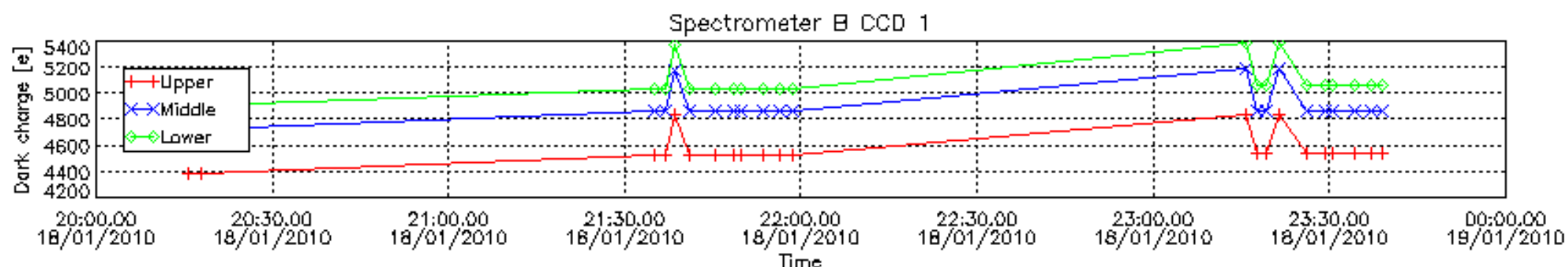
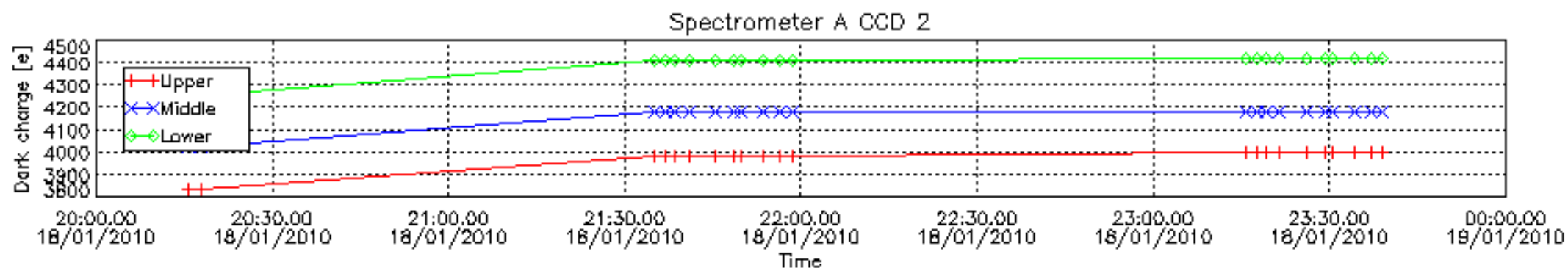
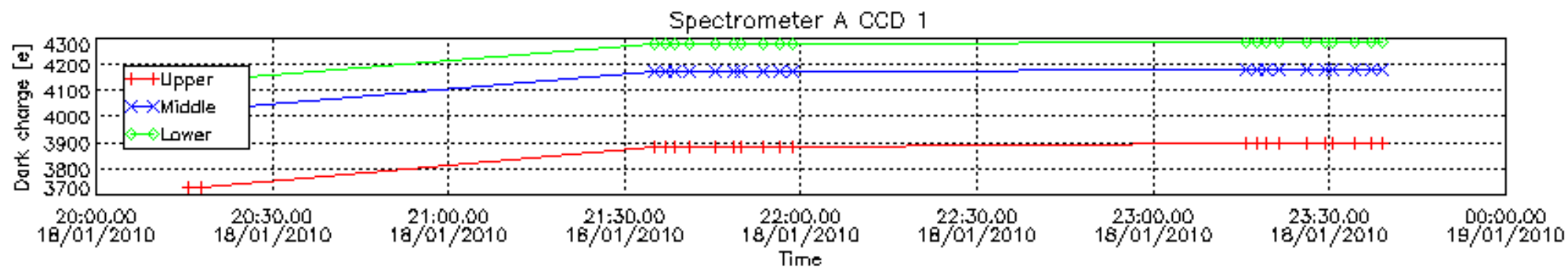
8. Auxiliary Data Files used for the production reported in section 2.4

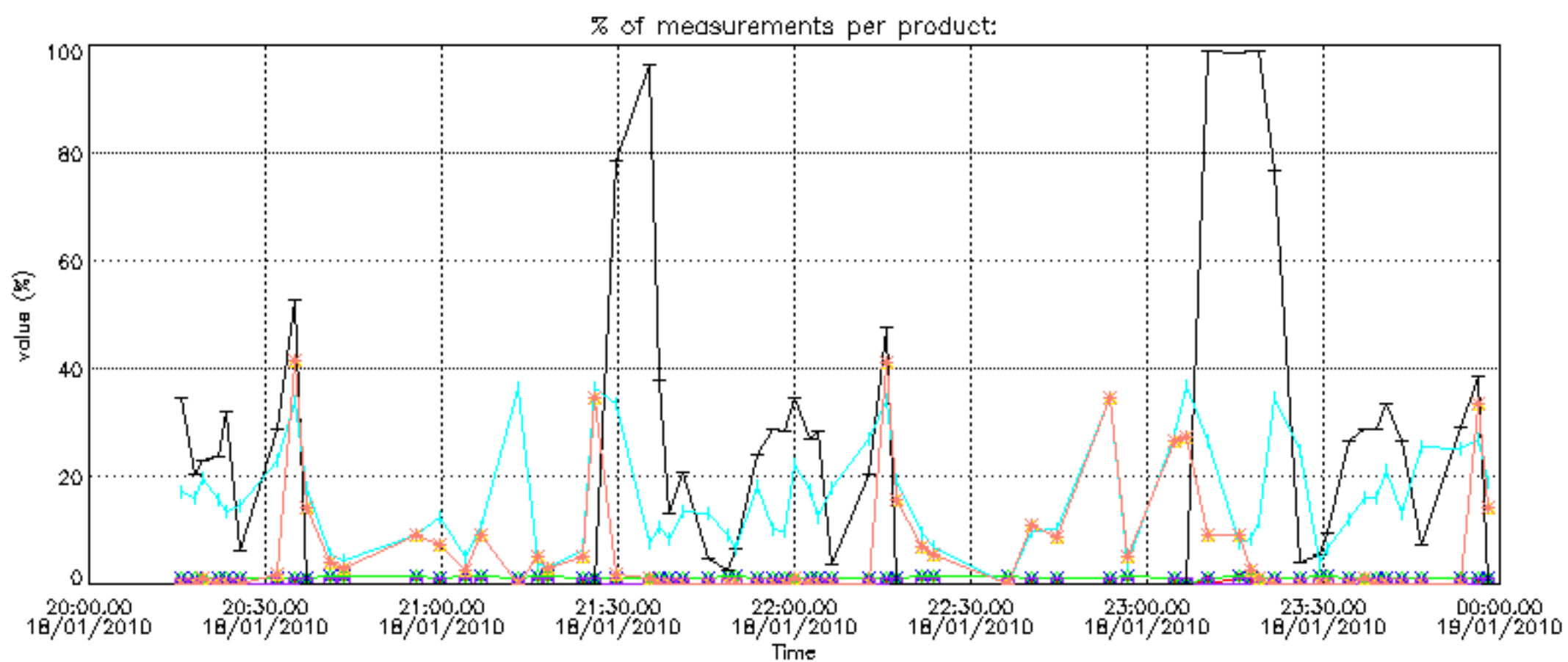
The number reported in the third column indicates since which file (see list in section 2.4) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	18-JAN-2010 20:15:45
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20100112_145459_20100110_000000_20500101_000000	1	18-JAN-2010 20:15:45
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXVIEC20091111_145255_20020301_000000_20500101_000000	1	18-JAN-2010 20:15:45
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	18-JAN-2010 20:15:45
STELLAR_SPECTRA_DATABANK	GOM_STS_AXVIEC20091111_151504_20020101_160000_20500101_000000	1	18-JAN-2010 20:15:45
ECMWF_FILE	AUX_ECF_AXNECM20100118_062112_20100118_150000_20100119_030000	1	18-JAN-2010 20:15:45
ECMWF_FILE	AUX_ECF_AXNECM20100118_062112_20100118_210000_20100119_090000	20	18-JAN-2010 21:26:01
OPTIONAL_ECMWF_FILE	MISSING	1	18-JAN-2010 20:15:45
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100118_201055_000041442086_00100_41236_9593.N1	1	18-JAN-2010 20:15:45
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100118_212519_000057382086_00100_41236_9594.N1	20	18-JAN-2010 21:26:01
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20100118_230616_000057382086_00101_41237_9595.N1	48	18-JAN-2010 23:10:23

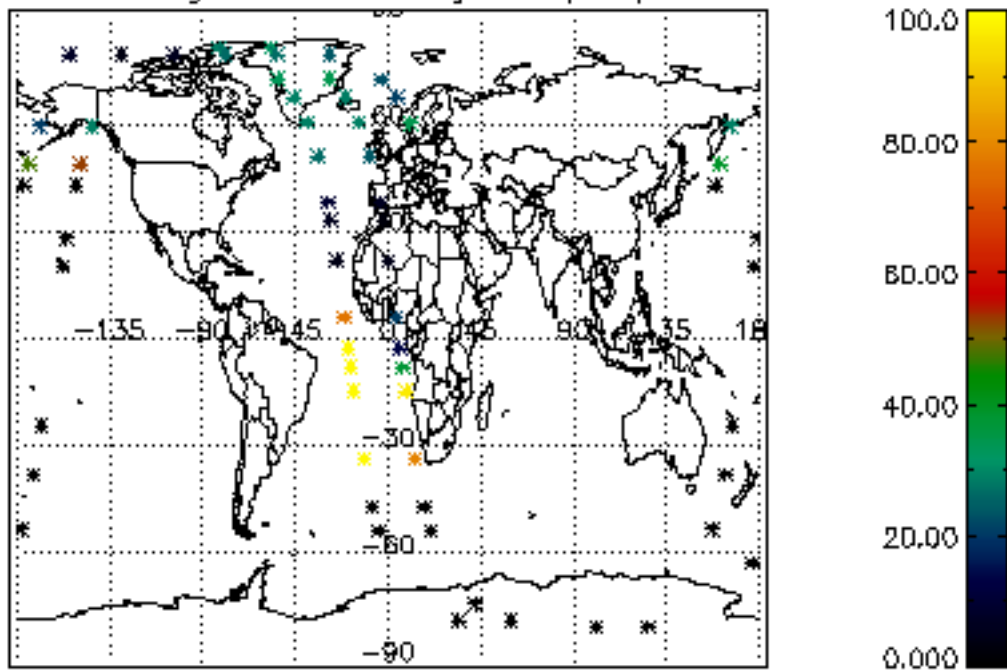




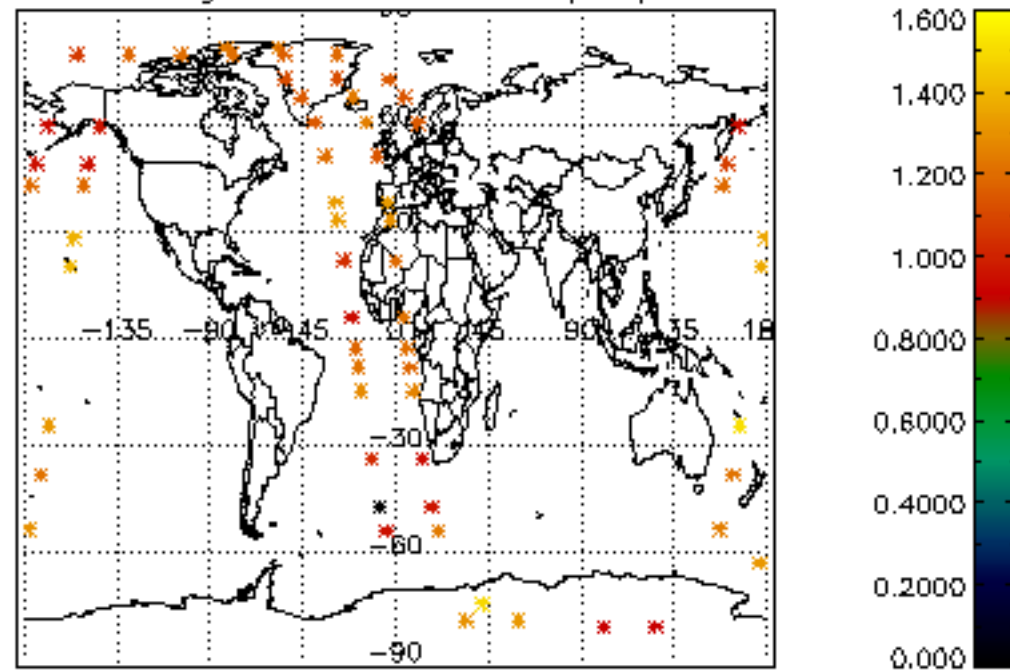




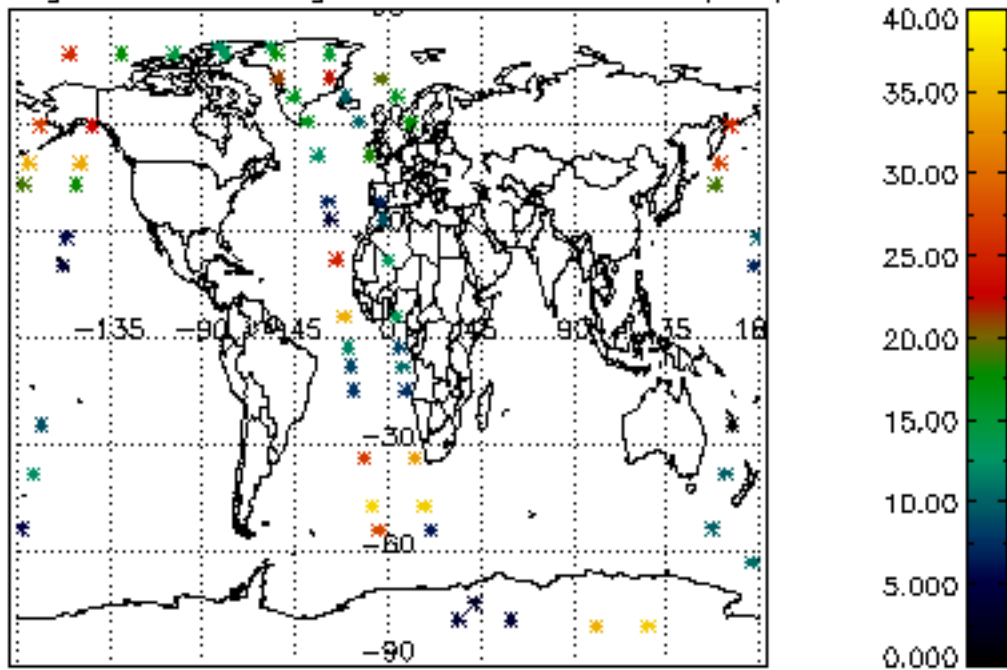
Percentage of cosmic ray hits per profile



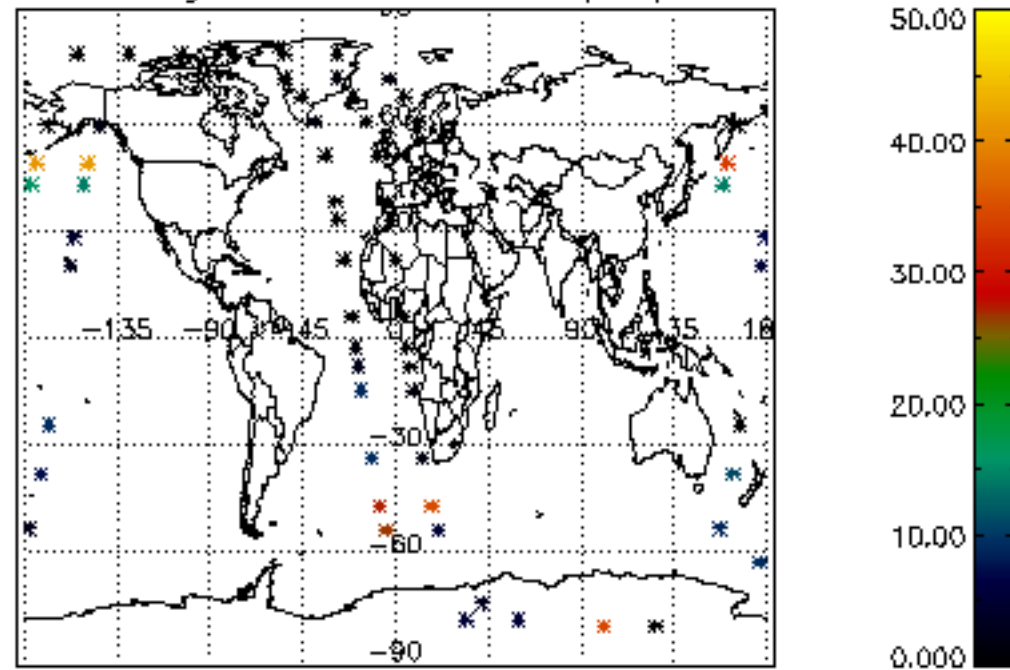
Percentage of datation errors per profile



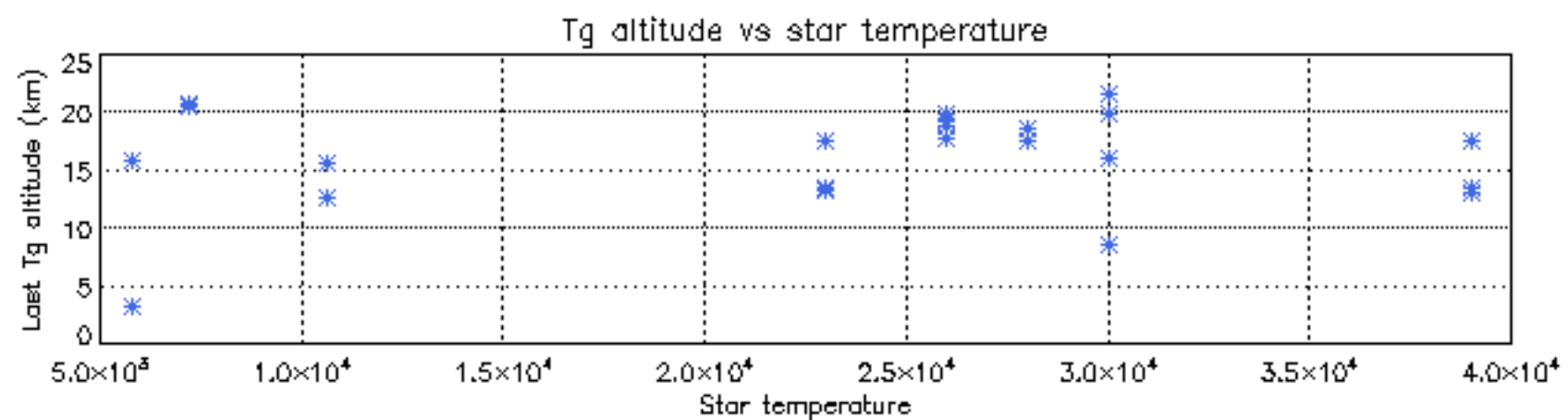
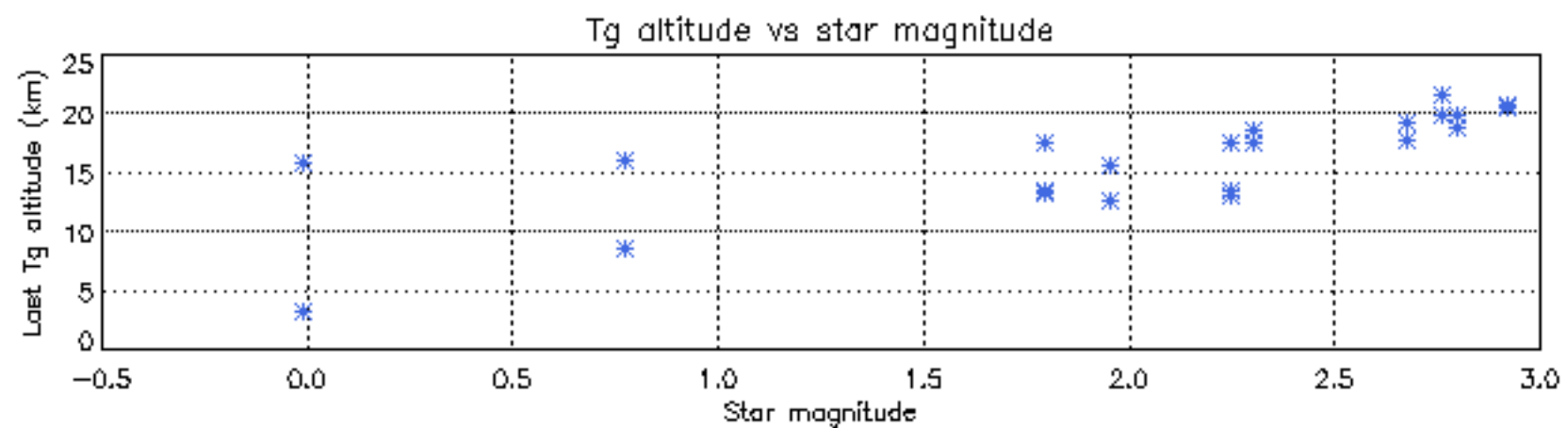
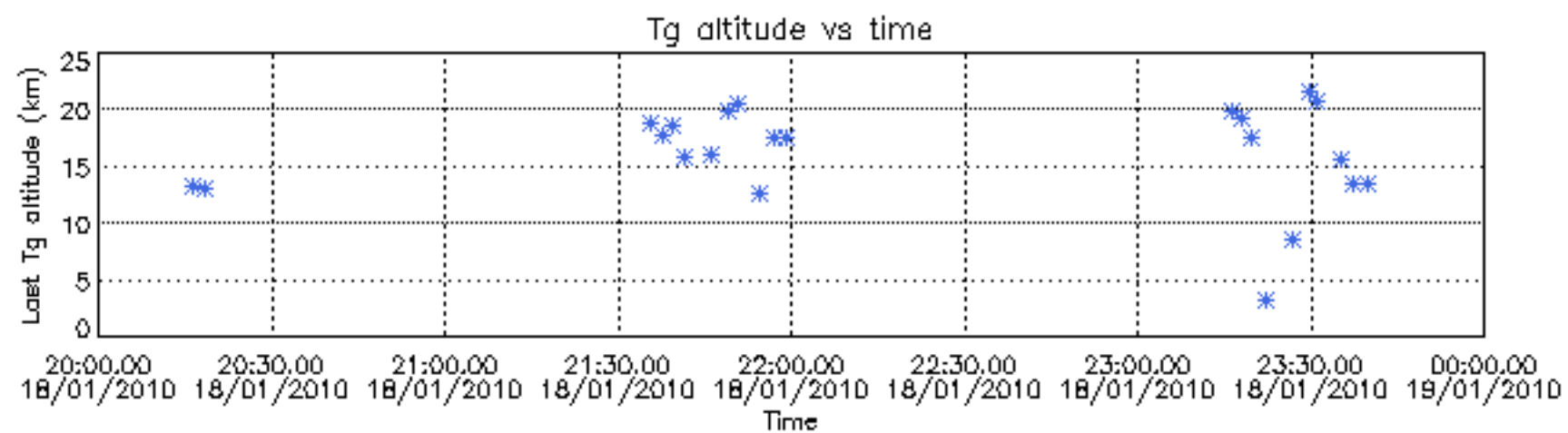
Percentage of star falling outside central band per profile



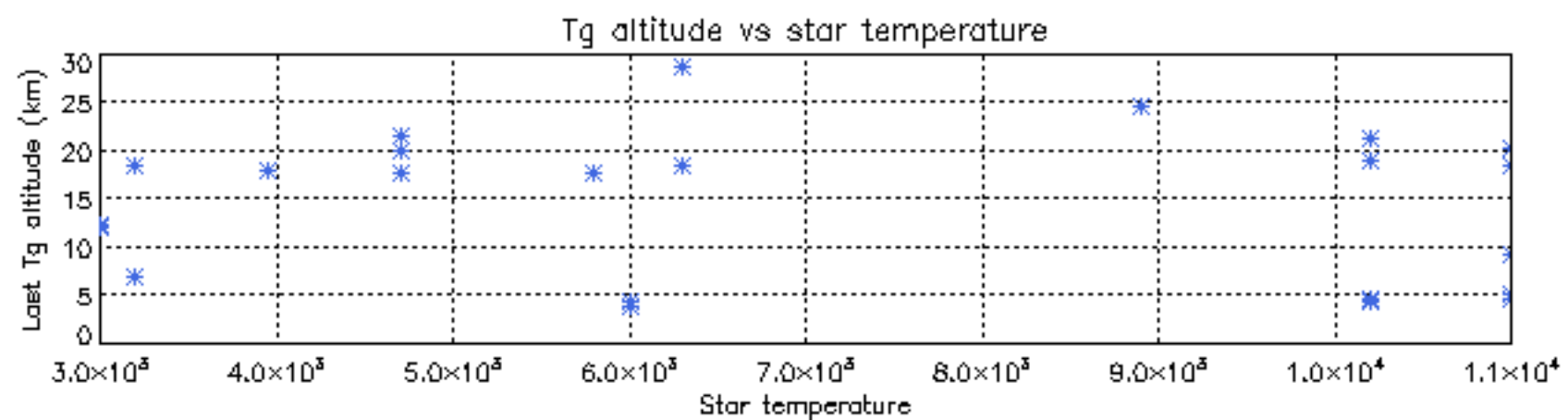
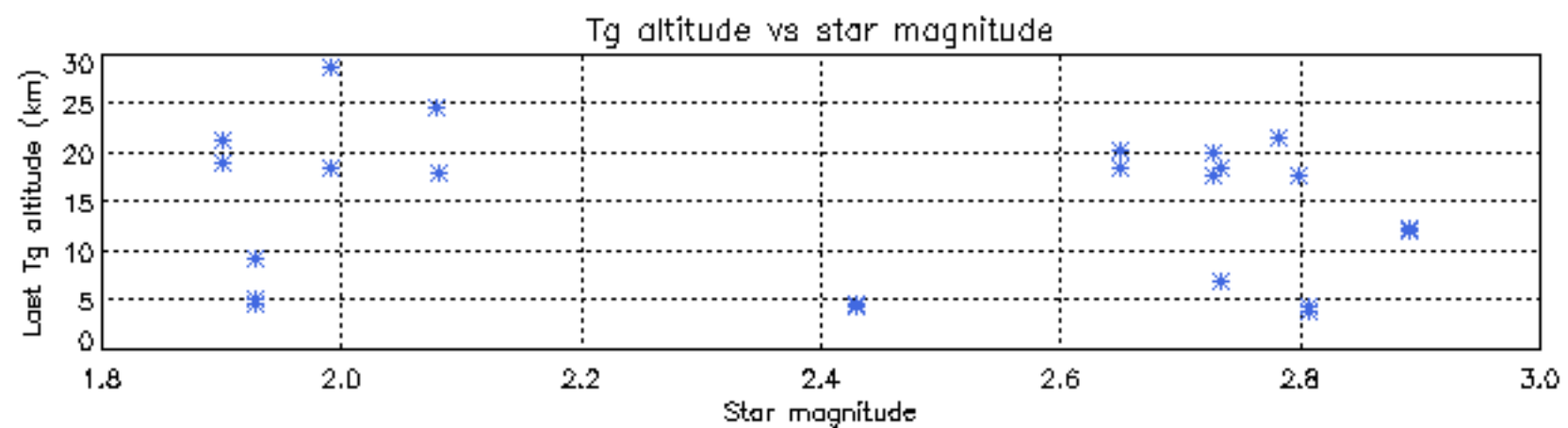
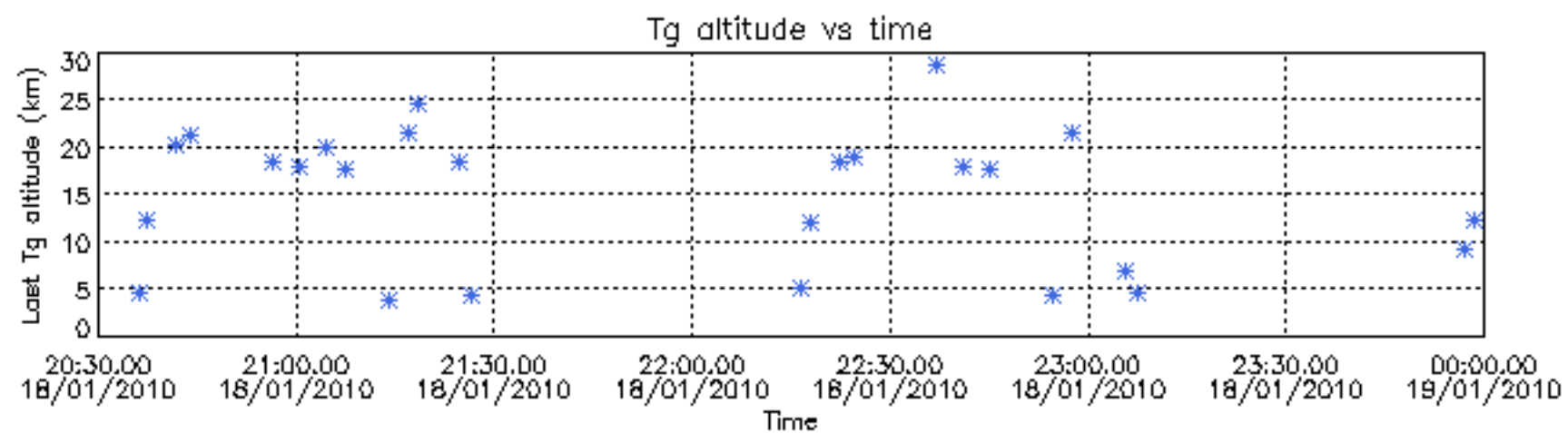
Percentage of saturation errors per profile



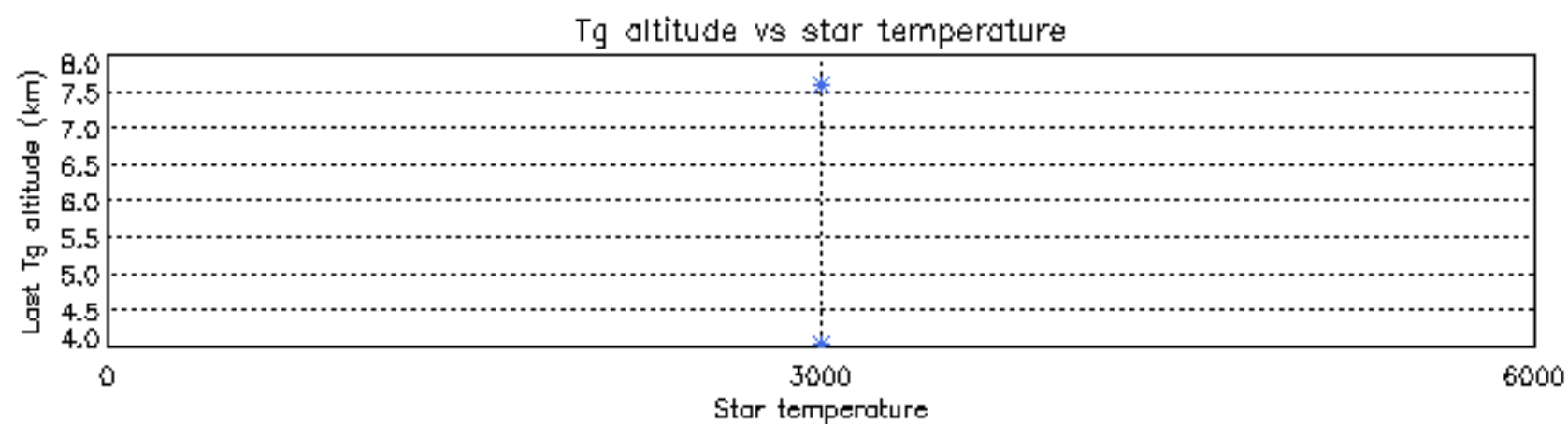
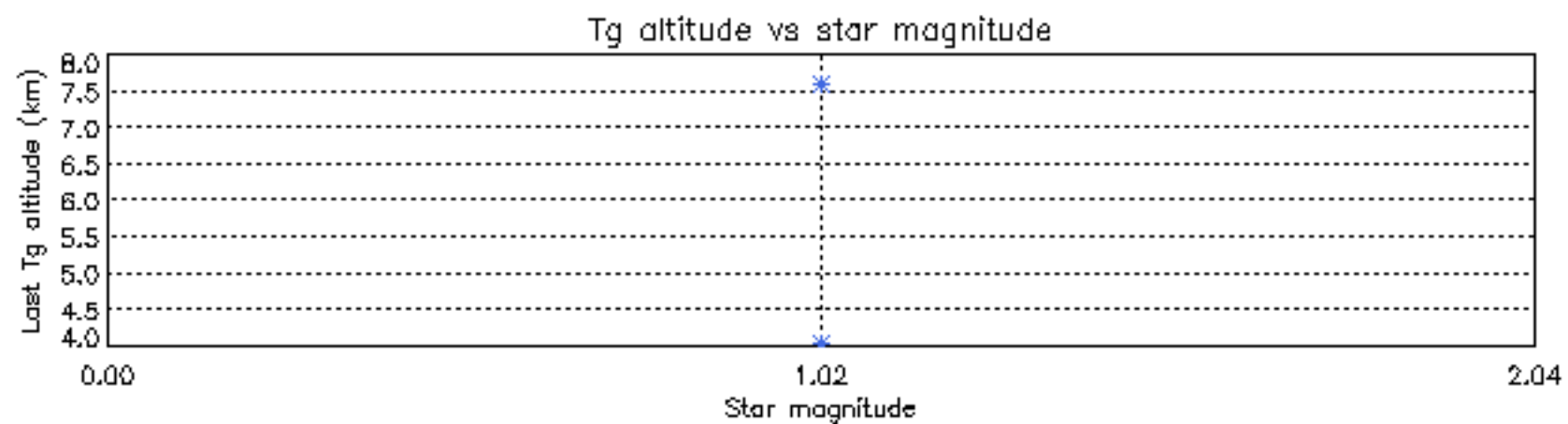
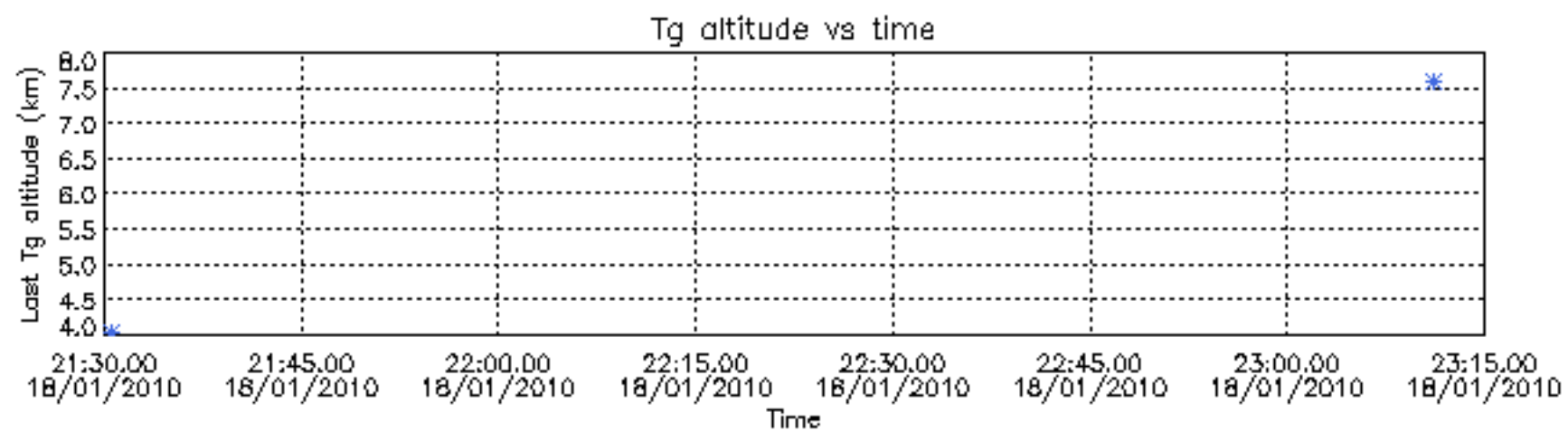
Tangent altitude at which the star is lost

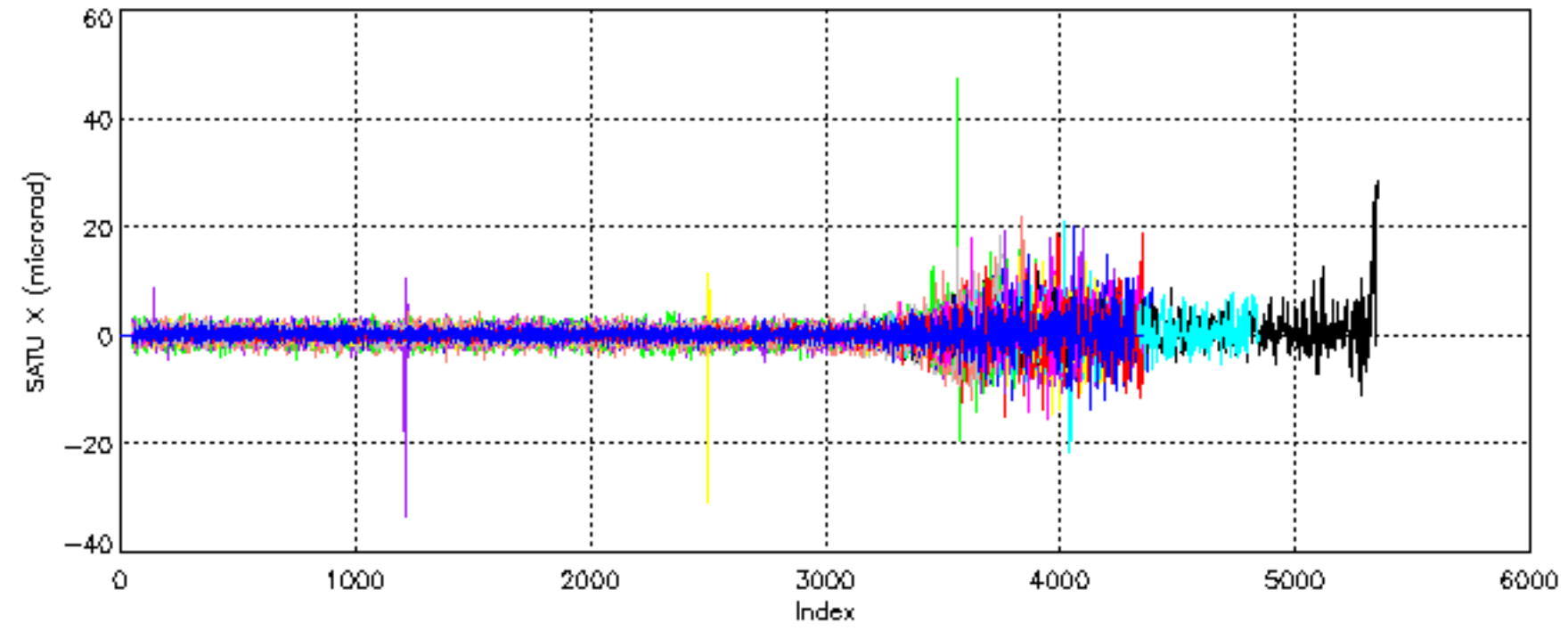


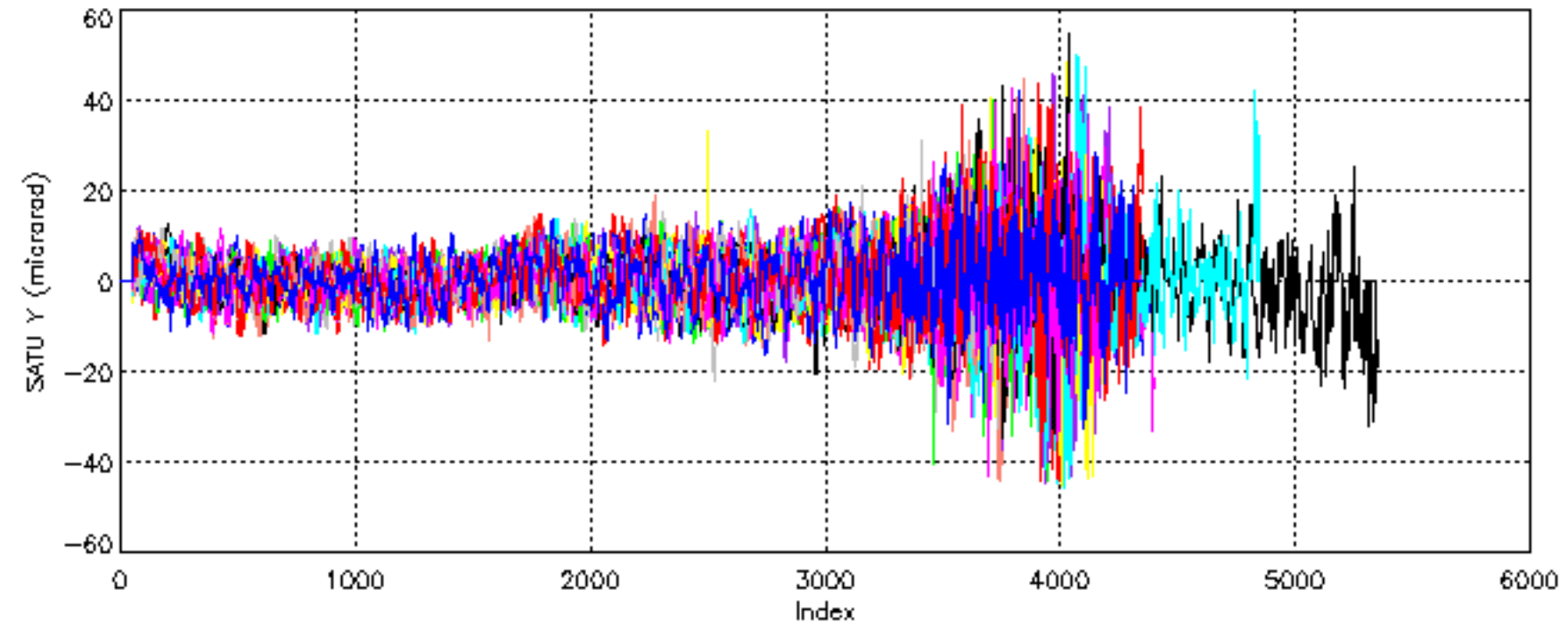
Tangent altitude at which the star is lost

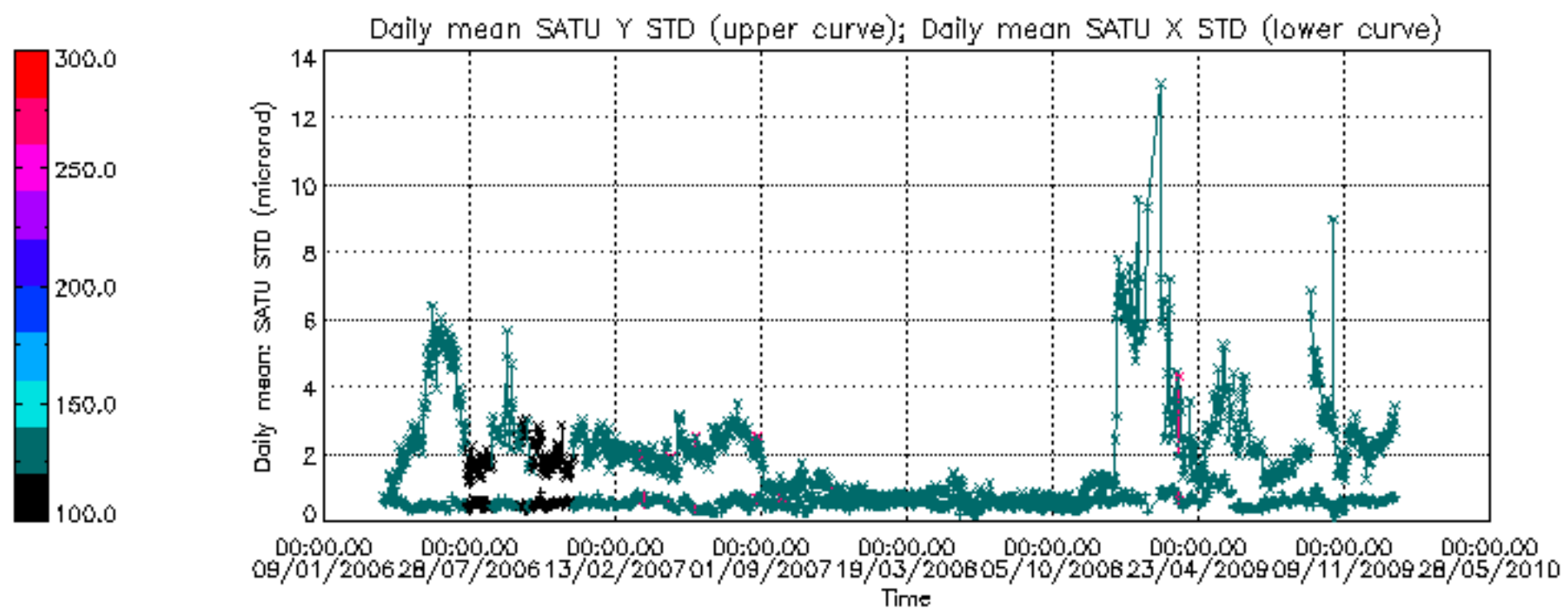


Tangent altitude at which the star is lost









/nas3/ENVISAT/GOMOS/GOM_NL__0P/GOM_NL__0PNPDE20100101_001436_000059322085_00345_40980_9243.N1

1;	-682.4;	01-JAN-2010	00:14:36;	Dark	;	43.0;	122;	9Alp2Lib	;	2.75;	9700;	occ;	86;	0;	40980
2;	-269.4;	01-JAN-2010	00:21:29;	Dark	;	44.0;	54;	5The Cen	;	2.06;	4500;	occ;	88;	0;	40980
3;	-103.6;	01-JAN-2010	00:24:15;	Dark	;	40.5;	95;	Zet Cen	;	2.55;	26000;	occ;	81;	0;	40980
4;	1.0;	01-JAN-2010	00:26:00;	Dark	;	41.0;	77;	Eps Cen	;	2.30;	28000;	occ;	82;	0;	40981
5;	106.3;	01-JAN-2010	00:27:45;	Dark	;	43.0;	64;	Gam Cen	;	2.20;	10600;	occ;	86;	0;	40981
6;	209.9;	01-JAN-2010	00:29:28;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	40981
7;	476.2;	01-JAN-2010	00:33:55;	Dark	;	46.5;	113;	Mu Vel	;	2.69;	5000;	occ;	93;	0;	40981
8;	630.5;	01-JAN-2010	00:36:29;	Dark	;	49.0;	71;	Iot Car	;	2.25;	7700;	occ;	98;	0;	40981
9;	727.5;	01-JAN-2010	00:38:06;	Dark	;	51.5;	41;	Eps Car	;	1.86;	4100;	occ;	103;	0;	40981
10;	916.1;	01-JAN-2010	00:41:15;	Dark	;	46.0;	34;	Gam2Vel	;	1.79;	23000;	occ;	92;	0;	40981
11;	1047.9;	01-JAN-2010	00:43:26;	Dark	;	45.0;	70;	Zet Pup	;	2.25;	39000;	occ;	90;	0;	40981
12;	1172.3;	01-JAN-2010	00:45:31;	Dark	;	47.0;	117;	Pi Pup	;	2.71;	3800;	occ;	94;	0;	40981
13;	1340.4;	01-JAN-2010	00:48:19;	Dark	;	45.5;	23;	21Eps CMA	;	1.50;	26000;	occ;	91;	0;	40981
14;	1433.2;	01-JAN-2010	00:49:52;	Dark	;	44.0;	179;	240mi2CMA	;	3.03;	24000;	occ;	88;	0;	40981
15;	1581.4;	01-JAN-2010	00:52:20;	Dark	;	45.0;	1;	9Alp CMA	;	-1.44;	11000;	occ;	90;	0;	40981
16;	1730.7;	01-JAN-2010	00:54:49;	Dark	;	36.0;	56;	53Kap Ori	;	2.07;	30000;	occ;	72;	0;	40981
17;	1881.4;	01-JAN-2010	00:57:20;	Dark	;	41.5;	30;	46Eps Ori	;	1.69;	30000;	occ;	83;	0;	40981
18;	2032.7;	01-JAN-2010	00:59:51;	Dark	;	55.0;	14;	58Alp Ori	;	0.87;	3000;	occ;	110;	0;	40981
19;	2229.2;	01-JAN-2010	01:03:08;	Dark	;	53.0;	44;	24Gam Gem	;	1.93;	11000;	occ;	106;	0;	40981
20;	2327.3;	01-JAN-2010	01:04:46;	Bright;	;	44.0;	151;	13Mu Gem	;	2.89;	3000;	occ;	88;	0;	40981
21;	2566.8;	01-JAN-2010	01:08:45;	Bright;	;	39.5;	107;	37The Aur	;	2.65;	11000;	occ;	79;	0;	40981
22;	2692.3;	01-JAN-2010	01:10:51;	Bright;	;	42.0;	6;	13Alp Aur	;	0.08;	3400;	occ;	84;	0;	40981
23;	3691.0;	01-JAN-2010	01:27:30;	Bright;	;	39.5;	60;	7Bet UMi	;	2.08;	3950;	occ;	79;	0;	40981
24;	3911.7;	01-JAN-2010	01:31:10;	Bright;	;	50.5;	32;	77Eps UMa	;	1.76;	11000;	occ;	101;	0;	40981
25;	4108.8;	01-JAN-2010	01:34:27;	Bright;	;	66.0;	39;	85Eta UMa	;	1.85;	24000;	occ;	132;	0;	40981
26;	4353.0;	01-JAN-2010	01:38:32;	Bright;	;	40.5;	180;	27Gam Boo	;	3.04;	8000;	occ;	81;	0;	40981
27;	4574.5;	01-JAN-2010	01:42:13;	Bright;	;	62.0;	83;		;	2.38;	11000;	occ;	124;	0;	40981
28;	4770.9;	01-JAN-2010	01:45:29;	Bright;	;	53.5;	3;	16Alp Boo	;	-0.05;	4250;	occ;	107;	0;	40981
29;	5194.3;	01-JAN-2010	01:52:33;	Bright;	;	55.5;	104;	27Bet Lib	;	2.61;	13100;	occ;	111;	0;	40981

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1;	-838.1;	01-JAN-2010	01:52:36;	Bright;	;	56.0;	104;	27Bet Lib	;	2.61;	13100;	occ;	112;	7;	40981
2;	-681.9;	01-JAN-2010	01:55:13;	Dark	;	43.5;	122;	9Alp2Lib	;	2.75;	9700;	occ;	87;	0;	40981
3;	-268.9;	01-JAN-2010	02:02:06;	Dark	;	54.0;	54;	5The Cen	;	2.06;	4500;	occ;	108;	0;	40981
4;	-102.9;	01-JAN-2010	02:04:52;	Dark	;	39.5;	95;	Zet Cen	;	2.55;	26000;	occ;	79;	0;	40981
5;	1.6;	01-JAN-2010	02:06:36;	Dark	;	39.5;	77;	Eps Cen	;	2.30;	28000;	occ;	79;	0;	40982
6;	107.0;	01-JAN-2010	02:08:22;	Dark	;	44.0;	64;	Gam Cen	;	2.20;	10600;	occ;	88;	0;	40982
7;	210.8;	01-JAN-2010	02:10:05;	Dark	;	59.5;	0;		;	0.00;	0;	occ;	119;	0;	40982
8;	477.2;	01-JAN-2010	02:14:32;	Dark	;	48.0;	113;	Mu Vel	;	2.69;	5000;	occ;	96;	0;	40982
9;	631.0;	01-JAN-2010	02:17:05;	Dark	;	41.0;	71;	Iot Car	;	2.25;	7700;	occ;	82;	0;	40982
10;	745.4;	01-JAN-2010	02:19:00;	Dark	;	46.0;	46;	Del Vel	;	1.95;	10600;	occ;	92;	0;	40982
11;	916.7;	01-JAN-2010	02:21:51;	Dark	;	46.0;	34;	Gam2Vel	;	1.79;	23000;	occ;	92;	0;	40982
12;	1048.4;	01-JAN-2010	02:24:03;	Dark	;	48.5;	70;	Zet Pup	;	2.25;	39000;	occ;	97;	0;	40982
13;	1172.7;	01-JAN-2010	02:26:07;	Dark	;	48.0;	117;	Pi Pup	;	2.71;	3800;	occ;	96;	0;	40982
14;	1340.9;	01-JAN-2010	02:28:55;	Dark	;	46.5;	23;	21Eps CMA	;	1.50;	26000;	occ;	93;	0;	40982
15;	1433.4;	01-JAN-2010	02:30:28;	Dark	;	45.0;	179;	240mi2CMA	;	3.03;	24000;	occ;	90;	0;	40982
16;	1581.5;	01-JAN-2010	02:32:56;	Dark	;	39.5;	1;	9Alp CMA	;	-1.44;	11000;	occ;	79;	0;	40982
17;	1731.0;	01-JAN-2010	02:35:25;	Dark	;	41.5;	56;	53Kap Ori	;	2.07;	30000;	occ;	83;	0;	40982
18;	1881.3;	01-JAN-2010	02:37:56;	Dark	;	41.5;	30;	46Eps Ori	;	1.69;	30000;	occ;	83;	0;	40982
19;	2032.7;	01-JAN-2010	02:40:27;	Dark	;	50.5;	14;	58Alp Ori	;	0.87;	3000;	occ;	101;	0;	40982
20;	2228.8;	01-JAN-2010	02:43:43;	Dark	;	50.0;	44;	24Gam Gem	;	1.93;	11000;	occ;	100;	0;	40982
21;	2327.1;	01-JAN-2010	02:45:22;	Bright;	;	46.5;	151;	13Mu Gem	;	2.89;	3000;	occ;	93;	0;	40982
22;	2566.5;	01-JAN-2010	02:49:21;	Bright;	;	39.5;	107;	37The Aur	;	2.65;	11000;	occ;	79;	0;	40982
23;	2692.2;	01-JAN-2010	02:51:27;	Bright;	;	42.5;	6;	13Alp Aur	;	0.08;	3400;	occ;	85;	0;	40982
24;	3690.9;	01-JAN-2010	03:08:05;	Bright;	;	39.5;	60;	7Bet UMi	;	2.08;	3950;	occ;	79;	0;	40982

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1;	-2124.7;	01-JAN-2010	03:11:46;	Bright;	;	52.0;	32;	77Eps UMa	;	1.76;	11000;	occ;	104;	0;	40982
2;	-1927.2;	01-JAN-2010	03:15:03;	Bright;	;	66.0;	39;	85Eta UMa	;	1.85;	24000;	occ;	132;	0;	40982
3;	-1682.7;	01-JAN-2010	03:19:08;	Bright;	;	62.0;	180;	27Gam Boo	;	3.04;	8000;	occ;	124;	0;	40982
4;	-1461.4;	01-JAN-2010	03:22:49;	Bright;	;	42.0;	83;		;	2.38;	11000;	occ;	84;	0;	40982
5;	-1264.5;	01-JAN-2010	03:26:06;	Bright;	;	53.5;	3;	16Alp Boo	;	-0.05;	4250;	occ;	107;	0;	40982
6;	-1145.0;	01-JAN-2010	03:28:05;	Bright;	;	35.0;	102;	24Alp Ser	;	2.60;	4250;	occ;	70;	0;	40982
7;	-841.1;	01-JAN-2010	03:33:09;	Bright;	;	45.0;	104;	27Bet Lib	;	2.61;	13100;	occ;	90;	0;	40982
8;	-681.3;	01-JAN-2010	03:35:49;	Dark	;	44.5;	122;	9Alp2Lib	;	2.75;	9700;	occ;	89;	0;	40982
9;	-267.8;	01-JAN-2010	03:42:43;	Dark	;	47.5;	54;	5The Cen	;	2.06;	4500;	occ;	95;	0;	40982
10;	-102.3;	01-JAN-2010	03:45:28;	Dark	;	38.5;	95;	Zet Cen	;	2.55;	26000;	occ;	77;	0;	40982
11;	2.3;	01-JAN-2010	03:47:13;	Dark	;	40.0;	77;	Eps Cen	;	2.30;	28000;	occ;	80;	0;	40983
12;	108.1;	01-JAN-2010	03:48:59;	Dark	;	46.0;	64;	Gam Cen	;	2.20;	10600;	occ;	92;	0;	40983


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13; 211.7; 01-JAN-2010 03:50:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40983
14; 478.3; 01-JAN-2010 03:55:09; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40983
15; 631.6; 01-JAN-2010 03:57:42; Dark ; 45.0; 71; Iot Car ; 2.25; 7700;occ; 90; 0;40983
16; 746.1; 01-JAN-2010 03:59:37; Dark ; 41.0; 46; Del Vel ; 1.95; 10600;occ; 82; 0;40983
17; 917.5; 01-JAN-2010 04:02:28; Dark ; 43.0; 34; Gam2Vel ; 1.79; 23000;occ; 86; 0;40983
18; 1049.0; 01-JAN-2010 04:04:39; Dark ; 47.0; 70; Zet Pup ; 2.25; 39000;occ; 94; 0;40983
19; 1173.4; 01-JAN-2010 04:06:44; Dark ; 48.0; 117; Pi Pup ; 2.71; 3800;occ; 96; 0;40983
20; 1341.3; 01-JAN-2010 04:09:32; Dark ; 45.0; 23; 21Eps CMa ; 1.50; 26000;occ; 90; 0;40983
21; 1433.9; 01-JAN-2010 04:11:04; Dark ; 44.0; 179; 240mi2CMa ; 3.03; 24000;occ; 88; 0;40983
22; 1581.9; 01-JAN-2010 04:13:32; Dark ; 53.0; 1; 9Alp CMa ; -1.44; 11000;occ; 106; 0;40983
23; 1731.3; 01-JAN-2010 04:16:02; Dark ; 42.5; 56; 53Kap Ori ; 2.07; 30000;occ; 85; 0;40983
24; 1881.6; 01-JAN-2010 04:18:32; Dark ; 42.0; 30; 46Eps Ori ; 1.69; 30000;occ; 84; 0;40983
25; 2032.8; 01-JAN-2010 04:21:03; Dark ; 53.0; 14; 58Alp Ori ; 0.87; 3000;occ; 106; 0;40983
26; 2228.6; 01-JAN-2010 04:24:19; Dark ; 50.0; 44; 24Gam Gem ; 1.93; 11000;occ; 100; 0;40983
27; 2326.8; 01-JAN-2010 04:25:57; Bright; 49.0; 151; 13Mu Gem ; 2.89; 3000;occ; 98; 0;40983
28; 2566.6; 01-JAN-2010 04:29:57; Bright; 38.5; 107; 37The Aur ; 2.65; 11000;occ; 77; 0;40983
29; 2692.4; 01-JAN-2010 04:32:03; Bright; 42.5; 6; 13Alp Aur ; 0.08; 3400;occ; 85; 0;40983
30; 3690.8; 01-JAN-2010 04:48:41; Bright; 15.5; 60; 7Bet UMi ; 2.08; 3950;occ; 31; 0;40983
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1; -2345.2; 01-JAN-2010 04:48:41; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;40983
2; -2125.3; 01-JAN-2010 04:52:21; Bright; 47.5; 32; 77Eps UMa ; 1.76; 11000;occ; 95; 0;40983
3; -1927.8; 01-JAN-2010 04:55:39; Bright; 44.5; 39; 85Eta UMa ; 1.85; 24000;occ; 89; 0;40983
4; -1682.9; 01-JAN-2010 04:59:44; Bright; 39.5; 180; 27Gam Boo ; 3.04; 8000;occ; 79; 0;40983
5; -1461.0; 01-JAN-2010 05:03:25; Bright; 62.0; 83; ; 2.38; 11000;occ; 124; 0;40983
6; -1264.0; 01-JAN-2010 05:06:42; Bright; 52.5; 3; 16Alp Boo ; -0.05; 4250;occ; 105; 0;40983
7; -1144.6; 01-JAN-2010 05:08:42; Bright; 38.0; 102; 24Alp Ser ; 2.60; 4250;occ; 76; 0;40983
8; -840.4; 01-JAN-2010 05:13:46; Bright; 56.0; 104; 27Bet Lib ; 2.61; 13100;occ; 112; 0;40983
9; -680.6; 01-JAN-2010 05:16:26; Dark ; 43.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 87; 0;40983
10; -267.2; 01-JAN-2010 05:23:19; Dark ; 55.0; 54; 5The Cen ; 2.06; 4500;occ; 110; 0;40983
11; -101.5; 01-JAN-2010 05:26:05; Dark ; 42.0; 95; Zet Cen ; 2.55; 26000;occ; 84; 0;40983
12; 2.9; 01-JAN-2010 05:27:49; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;40984
13; 108.8; 01-JAN-2010 05:29:35; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;40984
14; 212.6; 01-JAN-2010 05:31:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;40984
15; 479.0; 01-JAN-2010 05:35:45; Dark ; 46.0; 113; Mu Vel ; 2.69; 5000;occ; 92; 0;40984
16; 632.1; 01-JAN-2010 05:38:19; Dark ; 43.0; 71; Iot Car ; 2.25; 7700;occ; 86; 0;40984
17; 746.5; 01-JAN-2010 05:40:13; Dark ; 46.5; 46; Del Vel ; 1.95; 10600;occ; 93; 0;40984
18; 918.0; 01-JAN-2010 05:43:04; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;40984
19; 1049.8; 01-JAN-2010 05:45:16; Dark ; 47.5; 70; Zet Pup ; 2.25; 39000;occ; 95; 0;40984
20; 1173.7; 01-JAN-2010 05:47:20; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;40984
21; 1341.8; 01-JAN-2010 05:50:08; Dark ; 46.5; 23; 21Eps CMa ; 1.50; 26000;occ; 93; 0;40984
22; 1434.4; 01-JAN-2010 05:51:41; Dark ; 43.5; 179; 240mi2CMa ; 3.03; 24000;occ; 87; 0;40984
23; 1582.0; 01-JAN-2010 05:54:08; Dark ; 49.0; 1; 9Alp CMa ; -1.44; 11000;occ; 98; 0;40984
24; 1731.6; 01-JAN-2010 05:56:38; Dark ; 42.5; 56; 53Kap Ori ; 2.07; 30000;occ; 85; 0;40984
25; 1881.8; 01-JAN-2010 05:59:08; Dark ; 42.0; 30; 46Eps Ori ; 1.69; 30000;occ; 84; 0;40984
26; 2032.5; 01-JAN-2010 06:01:39; Dark ; 51.0; 14; 58Alp Ori ; 0.87; 3000;occ; 102; 0;40984
27; 2228.5; 01-JAN-2010 06:04:55; Dark ; 50.0; 44; 24Gam Gem ; 1.93; 11000;occ; 100; 0;40984
28; 2326.6; 01-JAN-2010 06:06:33; Bright; 49.5; 151; 13Mu Gem ; 2.89; 3000;occ; 99; 0;40984
29; 2566.2; 01-JAN-2010 06:10:33; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;40984
30; 2692.4; 01-JAN-2010 06:12:39; Bright; 38.5; 6; 13Alp Aur ; 0.08; 3400;occ; 77; 0;40984
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1; 922.3; 01-JAN-2010 20:48:32; Dark ; 46.0; 34; Gam2Vel ; 1.79; 23000;occ; 92; 0;40993
2; 1053.9; 01-JAN-2010 20:50:44; Dark ; 47.0; 70; Zet Pup ; 2.25; 39000;occ; 94; 0;40993
3; 1176.8; 01-JAN-2010 20:52:47; Dark ; 48.0; 117; Pi Pup ; 2.71; 3800;occ; 96; 0;40993
4; 1344.0; 01-JAN-2010 20:55:34; Dark ; 46.5; 23; 21Eps CMa ; 1.50; 26000;occ; 93; 0;40993
5; 1436.1; 01-JAN-2010 20:57:06; Dark ; 43.5; 179; 240mi2CMa ; 3.03; 24000;occ; 87; 0;40993
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 16; 4106.5; 01-JAN-2010 20:01:00; Bright; 45.5; 39; 85Eta UMa ; 1.85; 24000;occ; 91; 0;40992
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13;	1439.7;	02-JAN-2010	23:46:44;	Dark	;	44.5;	179;	240mi2CMA	;	3.03;	24000;occ;	89;	0;41009
14;	1585.0;	02-JAN-2010	23:49:10;	Dark	;	38.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	76;	0;41009
15;	2031.6;	02-JAN-2010	23:56:36;	Dark	;	47.5;	14;	58Alp Ori	;	0.87;	3000;occ;	95;	0;41009
16;	2220.3;	02-JAN-2010	23:59:45;	Dark	;	51.0;	44;	24Gam Gem	;	1.93;	11000;occ;	102;	0;41009
17;	2319.2;	03-JAN-2010	00:01:24;	Bright;	;	47.5;	151;	13Mu Gem	;	2.89;	3000;occ;	95;	0;41009
18;	2560.4;	03-JAN-2010	00:05:25;	Bright;	;	38.5;	107;	37The Aur	;	2.65;	11000;occ;	77;	0;41009
19;	2690.6;	03-JAN-2010	00:07:35;	Bright;	;	40.0;	6;	13Alp Aur	;	0.08;	3400;occ;	80;	0;41009
20;	3688.1;	03-JAN-2010	00:24:13;	Bright;	;	34.5;	60;	7Bet UMi	;	2.08;	3950;occ;	69;	0;41009
21;	3899.8;	03-JAN-2010	00:27:45;	Bright;	;	49.0;	32;	77Eps UMA	;	1.76;	11000;occ;	98;	0;41009
22;	4103.0;	03-JAN-2010	00:31:08;	Bright;	;	45.5;	39;	85Eta UMA	;	1.85;	24000;occ;	91;	0;41009
23;	4353.7;	03-JAN-2010	00:35:18;	Bright;	;	63.0;	180;	27Gam Boo	;	3.04;	8000;occ;	126;	0;41009
24;	4580.5;	03-JAN-2010	00:39:05;	Bright;	;	63.0;	83;		;	2.38;	11000;occ;	126;	0;41009
25;	4783.4;	03-JAN-2010	00:42:28;	Bright;	;	56.5;	3;	16Alp Boo	;	-0.05;	4250;occ;	113;	0;41009
26;	4899.3;	03-JAN-2010	00:44:24;	Bright;	;	54.0;	102;	24Alp Ser	;	2.60;	4250;occ;	108;	0;41009
27;	5207.8;	03-JAN-2010	00:49:33;	Bright;	;	36.0;	104;	27Bet Lib	;	2.61;	13100;occ;	72;	0;41009
28;	5371.0;	03-JAN-2010	00:52:16;	Dark	;	43.5;	122;	9Alp2Lib	;	2.75;	9700;occ;	87;	0;41009
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2;	-2131.5;	02-JAN-2010	06:01:14;	Bright;	;	44.0;	32;	77Eps UMA	;	1.76;	11000;occ;	88;	0;40998
3;	-1930.8;	02-JAN-2010	06:04:35;	Bright;	;	67.0;	39;	85Eta UMA	;	1.85;	24000;occ;	134;	0;40998
4;	-1682.5;	02-JAN-2010	06:08:43;	Bright;	;	63.0;	180;	27Gam Boo	;	3.04;	8000;occ;	126;	0;40998
5;	-1457.8;	02-JAN-2010	06:12:28;	Bright;	;	43.0;	83;		;	2.38;	11000;occ;	86;	0;40998
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7;	-1139.7;	02-JAN-2010	06:17:46;	Bright;	;	49.0;	102;	24Alp Ser	;	2.60;	4250;occ;	98;	0;40998
8;	-833.4;	02-JAN-2010	06:22:52;	Bright;	;	56.0;	104;	27Bet Lib	;	2.61;	13100;occ;	112;	0;40998
9;	-671.7;	02-JAN-2010	06:25:34;	Dark	;	45.0;	122;	9Alp2Lib	;	2.75;	9700;occ;	90;	0;40998
10;	-256.0;	02-JAN-2010	06:32:29;	Dark	;	50.5;	54;	5The Cen	;	2.06;	4500;occ;	101;	0;40998
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12;	11.6;	02-JAN-2010	06:36:57;	Dark	;	39.5;	77;	Eps Cen	;	2.30;	28000;occ;	79;	0;40999
13;	121.1;	02-JAN-2010	06:38:47;	Dark	;	44.5;	64;	Gam Cen	;	2.20;	10600;occ;	89;	0;40999
14;	226.5;	02-JAN-2010	06:40:32;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;40999
15;	492.5;	02-JAN-2010	06:44:58;	Dark	;	46.5;	113;	Mu Vel	;	2.69;	5000;occ;	93;	0;40999
16;	640.3;	02-JAN-2010	06:47:26;	Dark	;	40.0;	71;	Iot Car	;	2.25;	7700;occ;	80;	0;40999
17;	754.7;	02-JAN-2010	06:49:20;	Dark	;	45.5;	46;	Del Vel	;	1.95;	10600;occ;	91;	0;40999
18;	925.4;	02-JAN-2010	06:52:11;	Dark	;	44.0;	34;	Gam2Vel	;	1.79;	23000;occ;	88;	0;40999
19;	1056.9;	02-JAN-2010	06:54:22;	Dark	;	45.5;	70;	Zet Pup	;	2.25;	39000;occ;	91;	0;40999
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21;	1345.5;	02-JAN-2010	06:59:11;	Dark	;	47.5;	23;	21Eps CMA	;	1.50;	26000;occ;	95;	0;40999
22;	1437.4;	02-JAN-2010	07:00:43;	Dark	;	44.0;	179;	240mi2CMA	;	3.03;	24000;occ;	88;	0;40999
23;	1583.8;	02-JAN-2010	07:03:09;	Dark	;	50.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	100;	0;40999
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2;	1868.8;	02-JAN-2010	07:07:54;	Dark	;	41.5;	33;	50Zet Ori	;	1.77;	30000;occ;	83;	0;40999
3;	2031.9;	02-JAN-2010	07:10:37;	Dark	;	49.0;	14;	58Alp Ori	;	0.87;	3000;occ;	98;	0;40999
4;	2223.4;	02-JAN-2010	07:13:49;	Dark	;	45.5;	44;	24Gam Gem	;	1.93;	11000;occ;	91;	0;40999
5;	2322.2;	02-JAN-2010	07:15:28;	Bright;	;	47.5;	151;	13Mu Gem	;	2.89;	3000;occ;	95;	0;40999
6;	2562.7;	02-JAN-2010	07:19:28;	Bright;	;	38.5;	107;	37The Aur	;	2.65;	11000;occ;	77;	0;40999
7;	2691.3;	02-JAN-2010	07:21:37;	Bright;	;	42.0;	6;	13Alp Aur	;	0.08;	3400;occ;	84;	0;40999
8;	3689.3;	02-JAN-2010	07:38:15;	Bright;	;	39.0;	60;	7Bet UMi	;	2.08;	3950;occ;	78;	0;40999
9;	3904.1;	02-JAN-2010	07:41:50;	Bright;	;	46.5;	32;	77Eps UMA	;	1.76;	11000;occ;	93;	0;40999
10;	4105.2;	02-JAN-2010	07:45:11;	Bright;	;	44.0;	39;	85Eta UMA	;	1.85;	24000;occ;	88;	0;40999
11;	4353.5;	02-JAN-2010	07:49:19;	Bright;	;	43.0;	180;	27Gam Boo	;	3.04;	8000;occ;	86;	0;40999
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13;	4779.1;	02-JAN-2010	07:56:25;	Bright;	;	55.0;	3;	16Alp Boo	;	-0.05;	4250;occ;	110;	0;40999
14;	4896.4;	02-JAN-2010	07:58:22;	Bright;	;	36.0;	102;	24Alp Ser	;	2.60;	4250;occ;	72;	0;40999
15;	5202.8;	02-JAN-2010	08:03:28;	Bright;	;	56.0;	104;	27Bet Lib	;	2.61;	13100;occ;	112;	0;40999
16;	5365.1;	02-JAN-2010	08:06:11;	Dark	;	43.5;	122;	9Alp2Lib	;	2.75;	9700;occ;	87;	0;40999
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 19; 6158.6; 02-JAN-2010 10:00:00; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;41000
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 6; 2321.6; 02-JAN-2010 10:36:39; Bright; 45.5; 151; 13Mu Gem ; 2.89; 3000;occ; 91; 0;41001
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 7; 2561.9; 02-JAN-2010 12:21:15; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;41002
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 9; 3688.8; 02-JAN-2010 12:40:02; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;41002
10; 3902.8; 02-JAN-2010 12:43:36; Bright; 49.5; 32; 77Eps UMA ; 1.76; 11000;occ; 99; 0;41002
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23; 7108.3; 04-JAN-2010 12:33:48; Dark ; 46.5; 70; Zet Pup ; 2.25; 39000;occ; 93; 0;41030
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25; 7389.9; 04-JAN-2010 12:38:29; Dark ; 45.0; 23; 21Eps CMa ; 1.50; 26000;occ; 90; 0;41030
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3;	302.6;	07-JAN-2010	22:30:18;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	41080
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10;	1206.0;	07-JAN-2010	22:45:22;	Dark	;	46.5;	117;	Pi Pup	;	2.71;	3800;occ;	93;	0;	41080
11;	1365.9;	07-JAN-2010	22:48:02;	Dark	;	44.5;	23;	21Eps CMA	;	1.50;	26000;occ;	89;	0;	41080
12;	1454.2;	07-JAN-2010	22:49:30;	Dark	;	42.0;	179;	240mi2CMA	;	3.03;	24000;occ;	84;	0;	41080
13;	1594.0;	07-JAN-2010	22:51:50;	Dark	;	46.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	92;	0;	41080
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17;	2395.2;	07-JAN-2010	23:05:11;	Bright;		38.5;	28;	12Bet Tau	;	1.65;	15200;occ;	77;	0;	41080
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22;	3924.5;	07-JAN-2010	23:30:40;	Bright;		38.5;	119;	14Eta Dra	;	2.73;	4700;occ;	77;	0;	41080
23;	4437.5;	07-JAN-2010	23:39:13;	Bright;		33.0;	133;	40Zet Her	;	2.81;	6000;occ;	66;	0;	41080
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26;	5057.7;	07-JAN-2010	23:49:33;	Bright;		34.0;	120;	1Del Oph	;	2.73;	3200;occ;	68;	0;	41080
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6;	303.5;	08-JAN-2010	00:10:55;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	41081
7;	481.9;	08-JAN-2010	00:13:53;	Dark	;	38.5;	124;	The Car	;	2.76;	30000;occ;	77;	0;	41081
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20;	2395.0;	08-JAN-2010	00:45:47;	Bright;		39.0;	28;	12Bet Tau	;	1.65;	15200;occ;	78;	0;	41081
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6;	3681.0;	07-JAN-2010	08:21:13;	Bright;		34.0;	60;	7Bet UMi	;	2.08;	3950;occ;	68;	0;	41071
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9;	4355.1;	07-JAN-2010	08:32:27;	Bright;		43.5;	180;	27Gam Boo	;	3.04;	8000;occ;	87;	0;	41071
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11;	4920.7;	07-JAN-2010	08:41:53;	Bright;		56.0;	102;	24Alp Ser	;	2.60;	4250;occ;	112;	0;	41071
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 17; 4579.1; 12-JAN-2010 21:03:30; Bright; 61.0; 67; 5Alp CrB ; 2.22; 11000;occ; 122; 0;41150
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29; 5083.6; 13-JAN-2010 00:33:06; Bright; 39.5; 120; 1Del Oph ; 2.73; 3200;occ; 79; 0;41152
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 8; 2186.4; 21-JAN-2010 19:00:15; Dark ; 45.0; 44; 24Gam Gem ; 1.93; 11000;occ; 90; 0;41278
 9; 2291.9; 21-JAN-2010 19:02:01; Bright; 41.5; 151; 13Mu Gem ; 2.89; 3000;occ; 83; 0;41278
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 23; 5931.3; 21-JAN-2010 20:02:40; Dark ; 42.0; 109; Bet Lup ; 2.68; 26000;occ; 84; 0;41278
 24; 6021.2; 21-JAN-2010 20:04:10; Dark ; 42.0; 78; Alp Lup ; 2.30; 28000;occ; 84; 0;41278

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2;	-457.6;	22-JAN-2010	00:58:35;	Dark	;	44.0;	75;	26Eps Sco	;	2.29;	4250;occ;	88;	0;	41281
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5;	-12.7;	22-JAN-2010	01:06:00;	Dark	;	41.5;	78;	Alp Lup	;	2.30;	28000;occ;	83;	0;	41281
6;	120.7;	22-JAN-2010	01:08:13;	Dark	;	45.0;	4;	Alp1Cen	;	-0.01;	5800;occ;	90;	0;	41282
7;	201.0;	22-JAN-2010	01:09:34;	Dark	;	41.5;	77;	Eps Cen	;	2.30;	28000;occ;	83;	0;	41282
8;	392.0;	22-JAN-2010	01:12:45;	Dark	;	48.5;	12;	Alp1Cru	;	0.77;	30000;occ;	97;	0;	41282
9;	489.8;	22-JAN-2010	01:14:23;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	41282
10;	579.3;	22-JAN-2010	01:15:52;	Dark	;	39.5;	124;	The Car	;	2.76;	30000;occ;	79;	0;	41282
11;	658.1;	22-JAN-2010	01:17:11;	Dark	;	42.5;	159;	Ups Car	;	2.92;	7200;occ;	85;	0;	41282
12;	771.9;	22-JAN-2010	01:19:05;	Dark	;	44.0;	71;	Iot Car	;	2.25;	7700;occ;	88;	0;	41282
13;	881.5;	22-JAN-2010	01:20:54;	Dark	;	43.5;	46;	Del Vel	;	1.95;	10600;occ;	87;	0;	41282
14;	1039.7;	22-JAN-2010	01:23:32;	Dark	;	44.5;	34;	Gam2Vel	;	1.79;	23000;occ;	89;	0;	41282
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18;	1491.7;	22-JAN-2010	01:31:05;	Dark	;	41.5;	179;	240mi2CMA	;	3.03;	24000;occ;	83;	0;	41282
19;	1621.9;	22-JAN-2010	01:33:15;	Dark	;	45.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	90;	0;	41282
20;	1998.6;	22-JAN-2010	01:39:31;	Dark	;	49.5;	8;	10Alp CMI	;	0.40;	6500;occ;	99;	0;	41282
21;	2186.4;	22-JAN-2010	01:42:39;	Dark	;	47.5;	44;	24Gam Gem	;	1.93;	11000;occ;	95;	0;	41282
22;	2292.0;	22-JAN-2010	01:44:25;	Bright;	;	42.0;	151;	13Mu Gem	;	2.89;	3000;occ;	84;	0;	41282
23;	2427.8;	22-JAN-2010	01:46:41;	Bright;	;	45.5;	17;	78Bet Gem	;	1.16;	4500;occ;	91;	0;	41282
24;	2544.2;	22-JAN-2010	01:48:37;	Bright;	;	36.0;	107;	37The Aur	;	2.65;	11000;occ;	72;	0;	41282
25;	2673.2;	22-JAN-2010	01:50:46;	Bright;	;	36.5;	42;	34Bet Aur	;	1.90;	10200;occ;	73;	0;	41282
26;	3426.2;	22-JAN-2010	02:03:19;	Bright;	;	35.5;	49;	1Alp UMI	;	1.99;	6300;occ;	71;	0;	41282
27;	3645.9;	22-JAN-2010	02:06:59;	Bright;	;	40.5;	60;	7Bet UMI	;	2.08;	3950;occ;	81;	0;	41282
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29;	4084.0;	22-JAN-2010	02:14:17;	Bright;	;	35.0;	130;	23Bet Dra	;	2.80;	5800;occ;	70;	0;	41282
30;	4467.1;	22-JAN-2010	02:20:40;	Bright;	;	37.5;	133;	40Zet Her	;	2.81;	6000;occ;	75;	0;	41282
31;	4663.0;	22-JAN-2010	02:23:56;	Bright;	;	40.5;	127;	27Bet Her	;	2.78;	4700;occ;	81;	0;	41282
32;	4761.5;	22-JAN-2010	02:25:34;	Bright;	;	34.0;	59;	55Alp Oph	;	2.08;	8900;occ;	68;	0;	41282

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2;	-1952.0;	22-JAN-2010	03:54:53;	Bright;	;	37.5;	130;	23Bet Dra	;	2.80;	5800;occ;	75;	0;	41283
3;	-1568.4;	22-JAN-2010	04:01:16;	Bright;	;	38.5;	133;	40Zet Her	;	2.81;	6000;occ;	77;	0;	41283
4;	-1372.8;	22-JAN-2010	04:04:32;	Bright;	;	58.0;	127;	27Bet Her	;	2.78;	4700;occ;	116;	0;	41283
5;	-1274.2;	22-JAN-2010	04:06:10;	Bright;	;	41.0;	59;	55Alp Oph	;	2.08;	8900;occ;	82;	0;	41283
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8;	-217.6;	22-JAN-2010	04:23:47;	Dark	;	40.0;	131;	Gam Lup	;	2.80;	26000;occ;	80;	0;	41283
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11;	121.8;	22-JAN-2010	04:29:26;	Dark	;	54.0;	4;	Alp1Cen	;	-0.01;	5800;occ;	108;	0;	41284
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13;	491.6;	22-JAN-2010	04:35:36;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	41284
14;	580.5;	22-JAN-2010	04:37:05;	Dark	;	38.5;	124;	The Car	;	2.76;	30000;occ;	77;	0;	41284
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17;	882.6;	22-JAN-2010	04:42:07;	Dark	;	37.5;	46;	Del Vel	;	1.95;	10600;occ;	75;	0;	41284
18;	1040.7;	22-JAN-2010	04:44:45;	Dark	;	39.5;	34;	Gam2Vel	;	1.79;	23000;occ;	79;	0;	41284
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20;	1259.8;	22-JAN-2010	04:48:25;	Dark	;	41.5;	117;	Pi Pup	;	2.71;	3800;occ;	83;	0;	41284
21;	1409.0;	22-JAN-2010	04:50:54;	Dark	;	40.0;	23;	21Eps CMA	;	1.50;	26000;occ;	80;	0;	41284
22;	1492.3;	22-JAN-2010	04:52:17;	Dark	;	39.5;	179;	240mi2CMA	;	3.03;	24000;occ;	79;	0;	41284
23;	1622.8;	22-JAN-2010	04:54:28;	Dark	;	44.0;	1;	9Alp CMA	;	-1.44;	11000;occ;	88;	0;	41284
24;	1999.1;	22-JAN-2010	05:00:44;	Dark	;	47.0;	8;	10Alp CMI	;	0.40;	6500;occ;	94;	0;	41284
25;	2186.6;	22-JAN-2010	05:03:51;	Dark	;	52.0;	44;	24Gam Gem	;	1.93;	11000;occ;	104;	0;	41284
26;	2292.4;	22-JAN-2010	05:05:37;	Bright;	;	36.0;	151;	13Mu Gem	;	2.89;	3000;occ;	72;	0;	41284
27;	2427.3;	22-JAN-2010	05:07:52;	Bright;	;	43.5;	17;	78Bet Gem	;	1.16;	4500;occ;	87;	0;	41284
28;	2545.0;	22-JAN-2010	05:09:50;	Bright;	;	52.0;	107;	37The Aur	;	2.65;	11000;occ;	104;	0;	41284
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31;	3645.5;	22-JAN-2010	05:28:10;	Bright;	;	40.0;	60;	7Bet UMI	;	2.08;	3950;occ;	80;	0;	41284

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6; 210.1; 22-JAN-2010 21:16:54; Dark ; 42.0; 77; Eps Cen ; 2.30; 28000;occ; 84; 0;41294
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 42; 8224.3; 25-JAN-2010 03:29:02; Bright; 41.5; 44; 24Gam Gem ; 1.93; 11000;occ; 83; 0;41325
 43; 8331.1; 25-JAN-2010 03:30:49; Bright; 41.0; 151; 13Mu Gem ; 2.89; 3000;occ; 82; 0;41325
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 18; 1180.5; 25-JAN-2010 08:14:02; Dark ; 39.0; 70; Zet Pup ; 2.25; 39000;occ; 78; 0;41329
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 3; 2295.5; 25-JAN-2010 08:32:37; Bright; 52.0; 151; 13Mu Gem ; 2.89; 3000;occ; 104; 0;41329

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5; 2572.8; 25-JAN-2010 08:37:14; Bright; 13.5; 107; 37The Aur ; 2.65; 11000;occ; 27; 0;41329
6; 2677.7; 25-JAN-2010 08:38:59; Bright; 36.5; 42; 34Bet Aur ; 1.90; 10200;occ; 73; 0;41329
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11; 4473.7; 25-JAN-2010 09:08:55; Bright; 58.0; 133; 40Zet Her ; 2.81; 6000;occ; 116; 0;41329
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13; 4772.1; 25-JAN-2010 09:13:53; Bright; 53.0; 59; 55Alp Oph ; 2.08; 8900;occ; 106; 0;41329
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5; 2677.8; 25-JAN-2010 10:19:35; Bright; 38.5; 42; 34Bet Aur ; 1.90; 10200;occ; 77; 0;41330
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9; 4473.7; 25-JAN-2010 10:49:31; Bright; 58.0; 133; 40Zet Her ; 2.81; 6000;occ; 116; 0;41330
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17; 5972.1; 25-JAN-2010 11:14:29; Dark ; 43.0; 109; Bet Lup ; 2.68; 26000;occ; 86; 0;41330
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22; 6569.0; 25-JAN-2010 11:24:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41330
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7; 3426.4; 25-JAN-2010 12:12:40; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;41331
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26; 7090.8; 25-JAN-2010 13:13:44; Dark ; 41.5; 34; Gam2Vel ; 1.79; 23000;occ; 83; 0;41331
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 2; 1993.2; 27-JAN-2010 15:47:20; Dark ; 47.5; 8; 10Alp CMi ; 0.40; 6500;occ; 95; 0;41362
 3; 2191.4; 27-JAN-2010 15:50:38; Bright; 40.0; 44; 24Gam Gem ; 1.93; 11000;occ; 80; 0;41362
 4; 2299.4; 27-JAN-2010 15:52:26; Bright; 40.5; 151; 13Mu Gem ; 2.89; 3000;occ; 81; 0;41362
 5; 2405.4; 27-JAN-2010 15:54:12; Bright; 43.5; 17; 78Bet Gem ; 1.16; 4500;occ; 87; 0;41362
 6; 3427.1; 27-JAN-2010 16:11:14; Bright; 38.0; 49; 1Alp UMi ; 1.99; 6300;occ; 76; 0;41362
 7; 3628.6; 27-JAN-2010 16:14:35; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;41362
 8; 3906.2; 27-JAN-2010 16:19:13; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;41362
 9; 4086.7; 27-JAN-2010 16:22:13; Bright; 36.5; 130; 23Bet Dra ; 2.80; 5800;occ; 73; 0;41362
 10; 4478.2; 27-JAN-2010 16:28:45; Bright; 40.0; 133; 40Zet Her ; 2.81; 6000;occ; 80; 0;41362
 11; 4684.9; 27-JAN-2010 16:32:12; Bright; 62.0; 127; 27Bet Her ; 2.78; 4700;occ; 124; 0;41362
 12; 4780.4; 27-JAN-2010 16:33:47; Bright; 35.5; 59; 55Alp Oph ; 2.08; 8900;occ; 71; 0;41362
 13; 4907.2; 27-JAN-2010 16:35:54; Bright; 53.0; 126; 60Bet Oph ; 2.77; 4250;occ; 106; 0;41362
 14; 5285.6; 27-JAN-2010 16:42:12; Dark ; 43.0; 86; 35Eta Oph ; 2.43; 10200;occ; 86; 0;41362
 15; 5532.3; 27-JAN-2010 16:46:19; Dark ; 52.0; 16; 21Alp Sco ; 1.02; 3000;occ; 104; 0;41362
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 17; 5872.2; 27-JAN-2010 16:51:59; Dark ; 42.5; 131; Gam Lup ; 2.80; 26000;occ; 85; 0;41362
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 19; 6086.2; 27-JAN-2010 16:55:33; Dark ; 42.5; 78; Alp Lup ; 2.30; 28000;occ; 85; 0;41362
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 21; 6298.6; 27-JAN-2010 16:59:05; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;41362
 22; 6472.8; 27-JAN-2010 17:01:59; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;41362
 23; 6596.7; 27-JAN-2010 17:04:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41362
 24; 6723.6; 27-JAN-2010 17:06:10; Dark ; 42.0; 159; Ups Car ; 2.92; 7200;occ; 84; 0;41362
 25; 6838.4; 27-JAN-2010 17:08:05; Dark ; 43.5; 71; Iot Car ; 2.25; 7700;occ; 87; 0;41362
 26; 6945.2; 27-JAN-2010 17:09:52; Dark ; 43.0; 46; Del Vel ; 1.95; 10600;occ; 86; 0;41362
 27; 7099.8; 27-JAN-2010 17:12:27; Dark ; 42.5; 34; Gam2Vel ; 1.79; 23000;occ; 85; 0;41362

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 9; 3628.4; 27-JAN-2010 17:55:11; Bright; 45.0; 60; 7Bet UMi ; 2.08; 3950;occ; 90; 0;41363
 10; 3905.8; 27-JAN-2010 17:59:49; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;41363
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 13; 4685.3; 27-JAN-2010 18:12:48; Bright; 42.5; 127; 27Bet Her ; 2.78; 4700;occ; 85; 0;41363
 14; 4780.7; 27-JAN-2010 18:14:23; Bright; 53.0; 59; 55Alp Oph ; 2.08; 8900;occ; 106; 0;41363
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 17; 5532.8; 27-JAN-2010 18:26:55; Dark ; 57.0; 16; 21Alp Sco ; 1.02; 3000;occ; 114; 0;41363
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 22; 6198.2; 27-JAN-2010 18:38:01; Dark ; 42.0; 4; Alp1Cen ; -0.01; 5800;occ; 84; 0;41363
 23; 6299.3; 27-JAN-2010 18:39:42; Dark ; 43.5; 77; Eps Cen ; 2.30; 28000;occ; 87; 0;41363
 24; 6473.1; 27-JAN-2010 18:42:36; Dark ; 45.5; 12; Alp1Cru ; 0.77; 30000;occ; 91; 0;41363
 25; 6597.5; 27-JAN-2010 18:44:40; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41363
 26; 6723.9; 27-JAN-2010 18:46:47; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41363
 27; 6838.9; 27-JAN-2010 18:48:42; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;41363
 28; 6945.8; 27-JAN-2010 18:50:28; Dark ; 42.0; 46; Del Vel ; 1.95; 10600;occ; 84; 0;41363
 29; 7099.9; 27-JAN-2010 18:53:03; Dark ; 33.5; 34; Gam2Vel ; 1.79; 23000;occ; 67; 0;41363

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 6; 2404.8; 27-JAN-2010 19:15:24; Bright; 42.5; 17; 78Bet Gem ; 1.16; 4500;occ; 85; 0;41364
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 9; 3905.9; 27-JAN-2010 19:40:25; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;41364
 10; 4086.8; 27-JAN-2010 19:43:25; Bright; 54.0; 130; 23Bet Dra ; 2.80; 5800;occ; 108; 0;41364
 11; 4478.7; 27-JAN-2010 19:49:57; Bright; 41.5; 133; 40Zet Her ; 2.81; 6000;occ; 83; 0;41364
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 13; 4781.0; 27-JAN-2010 19:55:00; Bright; 35.0; 59; 55Alp Oph ; 2.08; 8900;occ; 70; 0;41364
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 15; 5286.3; 27-JAN-2010 20:03:25; Dark ; 43.5; 86; 35Eta Oph ; 2.43; 10200;occ; 87; 0;41364
 16; 5533.5; 27-JAN-2010 20:07:32; Dark ; 48.5; 16; 21Alp Sco ; 1.02; 3000;occ; 97; 0;41364
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 18; 5873.2; 27-JAN-2010 20:13:12; Dark ; 43.0; 131; Gam Lup ; 2.80; 26000;occ; 86; 0;41364
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 20; 6087.6; 27-JAN-2010 20:16:46; Dark ; 44.5; 78; Alp Lup ; 2.30; 28000;occ; 89; 0;41364
 21; 6198.8; 27-JAN-2010 20:18:38; Dark ; 40.5; 4; Alp1Cen ; -0.01; 5800;occ; 81; 0;41364
 22; 6300.0; 27-JAN-2010 20:20:19; Dark ; 42.0; 77; Eps Cen ; 2.30; 28000;occ; 84; 0;41364
 23; 6473.5; 27-JAN-2010 20:23:12; Dark ; 43.0; 12; Alp1Cru ; 0.77; 30000;occ; 86; 0;41364
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 25; 6724.2; 27-JAN-2010 20:27:23; Dark ; 36.5; 159; Ups Car ; 2.92; 7200;occ; 73; 0;41364
 26; 6838.9; 27-JAN-2010 20:29:18; Dark ; 38.0; 71; Iot Car ; 2.25; 7700;occ; 76; 0;41364
 27; 6945.7; 27-JAN-2010 20:31:04; Dark ; 38.0; 46; Del Vel ; 1.95; 10600;occ; 76; 0;41364

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 7; 164.3; 28-JAN-2010 01:20:27; Dark ; 48.0; 4; Alp1Cen ; -0.01; 5800;occ; 96; 0;41368
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 12; 804.1; 28-JAN-2010 01:31:06; Dark ; 48.0; 71; Iot Car ; 2.25; 7700;occ; 96; 0;41368
 13; 910.8; 28-JAN-2010 01:32:53; Dark ; 41.5; 46; Del Vel ; 1.95; 10600;occ; 83; 0;41368
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 15; 1191.1; 28-JAN-2010 01:37:33; Dark ; 41.5; 70; Zet Pup ; 2.25; 39000;occ; 83; 0;41368
 16; 1401.7; 28-JAN-2010 01:41:04; Dark ; 39.0; 88; 31Eta CMa ; 2.45; 20000;occ; 78; 0;41368
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 19; 2336.7; 28-JAN-2010 01:56:39; Bright; 39.5; 170; 27Eps Gem ; 3.00; 9700;occ; 79; 0;41368
 20; 2464.5; 28-JAN-2010 01:58:47; Bright; 40.5; 24; 66Alp Gem ; 1.58; 10200;occ; 81; 0;41368
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 22; 3627.0; 28-JAN-2010 02:18:09; Bright; 42.0; 60; 7Bet UMi ; 2.08; 3950;occ; 84; 0;41368
 23; 3905.5; 28-JAN-2010 02:22:48; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;41368
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 26; 4686.8; 28-JAN-2010 02:35:49; Bright; 43.5; 127; 27Bet Her ; 2.78; 4700;occ; 87; 0;41368
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31; 5535.9; 28-JAN-2010 02:49:58; Dark ; 46.5; 16; 21Alp Sco ; 1.02; 3000;occ; 93; 0;41368
32; 5614.9; 28-JAN-2010 02:51:17; Dark ; 42.0; 75; 26Eps Sco ; 2.29; 4250;occ; 84; 0;41368
33; 5876.4; 28-JAN-2010 02:55:39; Dark ; 42.0; 131; Gam Lup ; 2.80; 26000;occ; 84; 0;41368
34; 6003.9; 28-JAN-2010 02:57:46; Dark ; 43.5; 109; Bet Lup ; 2.68; 26000;occ; 87; 0;41368
35; 6091.0; 28-JAN-2010 02:59:13; Dark ; 45.5; 78; Alp Lup ; 2.30; 28000;occ; 91; 0;41368
36; 6201.0; 28-JAN-2010 03:01:03; Dark ; 40.5; 4; Alp1Cen ;-0.01; 5800;occ; 81; 0;41368
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48; 8372.8; 28-JAN-2010 03:37:15; Bright; 38.0; 170; 27Eps Gem ; 3.00; 9700;occ; 76; 0;41368
49; 8500.2; 28-JAN-2010 03:39:22; Bright; 38.0; 24; 66Alp Gem ; 1.58; 10200;occ; 76; 0;41368
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9; -836.8; 28-JAN-2010 04:24:57; Dark ; 54.0; 120; 1Del Oph ; 2.73; 3200;occ; 108; 0;41369
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 2; -491.5; 29-JAN-2010 02:18:30; Dark ; 50.0; 16; 21Alp Sco ; 1.02; 3000;occ; 100; 0;41382
 3; 77.9; 29-JAN-2010 02:27:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41383
 4; 172.0; 29-JAN-2010 02:29:33; Dark ; 42.0; 4; Alp1Cen ;-0.01; 5800;occ; 84; 0;41383
 5; 277.9; 29-JAN-2010 02:31:19; Dark ; 42.0; 77; Eps Cen ; 2.30; 28000;occ; 84; 0;41383
 6; 447.4; 29-JAN-2010 02:34:08; Dark ; 44.5; 12; Alp1Cru ; 0.77; 30000;occ; 89; 0;41383
 7; 557.7; 29-JAN-2010 02:35:59; Dark ; 46.0; 99; Del Cen ; 2.58; 26000;occ; 92; 0;41383
 8; 694.4; 29-JAN-2010 02:38:15; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41383
 9; 809.6; 29-JAN-2010 02:40:11; Dark ; 48.5; 71; Iot Car ; 2.25; 7700;occ; 97; 0;41383
 10; 915.5; 29-JAN-2010 02:41:57; Dark ; 44.0; 46; Del Vel ; 1.95; 10600;occ; 88; 0;41383
 11; 1069.0; 29-JAN-2010 02:44:30; Dark ; 41.5; 34; Gam2Vel ; 1.79; 23000;occ; 83; 0;41383
 12; 1194.9; 29-JAN-2010 02:46:36; Dark ; 40.0; 70; Zet Pup ; 2.25; 39000;occ; 80; 0;41383
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 15; 2193.5; 29-JAN-2010 03:03:15; Bright; 40.5; 44; 24Gam Gem ; 1.93; 11000;occ; 81; 0;41383
 16; 2337.4; 29-JAN-2010 03:05:38; Bright; 39.0; 170; 27Eps Gem ; 3.00; 9700;occ; 78; 0;41383
 17; 2461.5; 29-JAN-2010 03:07:43; Bright; 39.0; 24; 66Alp Gem ; 1.58; 10200;occ; 78; 0;41383
 18; 3427.1; 29-JAN-2010 03:23:48; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;41383

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 2; -2132.9; 29-JAN-2010 03:31:44; Bright; 42.0; 119; 14Eta Dra ; 2.73; 4700;occ; 84; 0;41383
 3; -1948.9; 29-JAN-2010 03:34:48; Bright; 37.5; 130; 23Bet Dra ; 2.80; 5800;occ; 75; 0;41383
 4; -1737.1; 29-JAN-2010 03:38:20; Bright; 36.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 72; 0;41383
 5; -1554.8; 29-JAN-2010 03:41:22; Bright; 42.0; 133; 40Zet Her ; 2.81; 6000;occ; 84; 0;41383
 6; -1250.1; 29-JAN-2010 03:46:27; Bright; 40.5; 59; 55Alp Oph ; 2.08; 8900;occ; 81; 0;41383
 7; -1122.9; 29-JAN-2010 03:48:34; Bright; 40.5; 126; 60Bet Oph ; 2.77; 4250;occ; 81; 0;41383
 8; -741.2; 29-JAN-2010 03:54:56; Dark ; 41.5; 86; 35Eta Oph ; 2.43; 10200;occ; 83; 0;41383
 9; -491.1; 29-JAN-2010 03:59:06; Dark ; 53.0; 16; 21Alp Sco ; 1.02; 3000;occ; 106; 0;41383
 10; -148.4; 29-JAN-2010 04:04:49; Dark ; 40.0; 131; Gam Lup ; 2.80; 26000;occ; 80; 0;41383


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12; 172.9; 29-JAN-2010 04:10:10; Dark ; 55.0; 4; Alp1Cen ;-0.01; 5800;occ; 110; 0;41384
13; 278.8; 29-JAN-2010 04:11:56; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;41384
14; 448.3; 29-JAN-2010 04:14:45; Dark ; 48.5; 12; Alp1Cru ; 0.77; 30000;occ; 97; 0;41384
15; 558.8; 29-JAN-2010 04:16:36; Dark ; 46.5; 99; Del Cen ; 2.58; 26000;occ; 93; 0;41384
16; 695.1; 29-JAN-2010 04:18:52; Dark ; 39.0; 159; Ups Car ; 2.92; 7200;occ; 78; 0;41384
17; 810.1; 29-JAN-2010 04:20:47; Dark ; 38.5; 71; Iot Car ; 2.25; 7700;occ; 77; 0;41384
18; 916.1; 29-JAN-2010 04:22:33; Dark ; 41.5; 46; Del Vel ; 1.95; 10600;occ; 83; 0;41384
19; 1069.9; 29-JAN-2010 04:25:07; Dark ; 41.5; 34; Gam2Vel ; 1.79; 23000;occ; 83; 0;41384
20; 1195.2; 29-JAN-2010 04:27:12; Dark ; 40.5; 70; Zet Pup ; 2.25; 39000;occ; 81; 0;41384
21; 1404.9; 29-JAN-2010 04:30:42; Dark ; 40.5; 88; 31Eta CMa ; 2.45; 20000;occ; 81; 0;41384
22; 1992.8; 29-JAN-2010 04:40:30; Dark ; 50.5; 8; 10Alp CMi ; 0.40; 6500;occ; 101; 0;41384
23; 2193.7; 29-JAN-2010 04:43:51; Bright; 40.5; 44; 24Gam Gem ; 1.93; 11000;occ; 81; 0;41384
24; 2337.6; 29-JAN-2010 04:46:15; Bright; 36.5; 170; 27Eps Gem ; 3.00; 9700;occ; 73; 0;41384
25; 2461.6; 29-JAN-2010 04:48:19; Bright; 40.5; 24; 66Alp Gem ; 1.58; 10200;occ; 81; 0;41384
26; 3427.3; 29-JAN-2010 05:04:24; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;41384
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3;-1948.9; 29-JAN-2010 05:15:24; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;41384
4;-1737.0; 29-JAN-2010 05:18:56; Bright; 35.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 70; 0;41384
5;-1554.4; 29-JAN-2010 05:21:59; Bright; 40.0; 133; 40Zet Her ; 2.81; 6000;occ; 80; 0;41384
6;-1249.8; 29-JAN-2010 05:27:03; Bright; 54.0; 59; 55Alp Oph ; 2.08; 8900;occ; 108; 0;41384
7;-1122.7; 29-JAN-2010 05:29:10; Bright; 53.0; 126; 60Bet Oph ; 2.77; 4250;occ; 106; 0;41384
8; -741.1; 29-JAN-2010 05:35:32; Dark ; 44.5; 86; 35Eta Oph ; 2.43; 10200;occ; 89; 0;41384
9; -490.2; 29-JAN-2010 05:39:43; Dark ; 51.0; 16; 21Alp Sco ; 1.02; 3000;occ; 102; 0;41384
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11; 79.2; 29-JAN-2010 05:49:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41385
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13; 279.9; 29-JAN-2010 05:52:33; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;41385
14; 448.7; 29-JAN-2010 05:55:22; Dark ; 46.5; 12; Alp1Cru ; 0.77; 30000;occ; 93; 0;41385
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16; 695.4; 29-JAN-2010 05:59:28; Dark ; 42.0; 159; Ups Car ; 2.92; 7200;occ; 84; 0;41385
17; 810.0; 29-JAN-2010 06:01:23; Dark ; 44.0; 71; Iot Car ; 2.25; 7700;occ; 88; 0;41385
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21; 1404.6; 29-JAN-2010 06:11:18; Dark ; 39.0; 88; 31Eta CMa ; 2.45; 20000;occ; 78; 0;41385
22; 1992.9; 29-JAN-2010 06:21:06; Dark ; 47.0; 8; 10Alp CMi ; 0.40; 6500;occ; 94; 0;41385
23; 2194.0; 29-JAN-2010 06:24:27; Bright; 39.0; 44; 24Gam Gem ; 1.93; 11000;occ; 78; 0;41385
24; 2337.7; 29-JAN-2010 06:26:51; Bright; 52.0; 170; 27Eps Gem ; 3.00; 9700;occ; 104; 0;41385
25; 2461.4; 29-JAN-2010 06:28:54; Bright; 41.0; 24; 66Alp Gem ; 1.58; 10200;occ; 82; 0;41385
26; 3427.2; 29-JAN-2010 06:45:00; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;41385
27; 3623.0; 29-JAN-2010 06:48:16; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;41385

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4; 4.7; 31-JAN-2010 01:23:32; Dark ; 44.5; 109; Bet Lup ; 2.68; 26000;occ; 89; 0;41411
5; 97.1; 31-JAN-2010 01:25:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41411
6; 187.3; 31-JAN-2010 01:26:34; Dark ; 52.5; 4; Alp1Cen ;-0.01; 5800;occ; 105; 0;41411
7; 300.1; 31-JAN-2010 01:28:27; Dark ; 42.5; 77; Eps Cen ; 2.30; 28000;occ; 85; 0;41411
8; 462.8; 31-JAN-2010 01:31:10; Dark ; 45.0; 12; Alp1Cru ; 0.77; 30000;occ; 90; 0;41411
9; 580.2; 31-JAN-2010 01:33:07; Dark ; 45.5; 99; Del Cen ; 2.58; 26000;occ; 91; 0;41411
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11; 818.9; 31-JAN-2010 01:37:06; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;41411
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13; 1076.4; 31-JAN-2010 01:41:23; Dark ; 40.0; 34; Gam2Vel ; 1.79; 23000;occ; 80; 0;41411
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17; 2340.0; 31-JAN-2010 02:02:27; Bright; 38.0; 170; 27Eps Gem ; 3.00; 9700;occ; 76; 0;41411
18; 2457.8; 31-JAN-2010 02:04:25; Bright; 40.0; 24; 66Alp Gem ; 1.58; 10200;occ; 80; 0;41411
19; 3427.5; 31-JAN-2010 02:20:34; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;41411
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21; 3898.6; 31-JAN-2010 02:28:26; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;41411
22; 4087.4; 31-JAN-2010 02:31:34; Bright; 36.5; 130; 23Bet Dra ; 2.80; 5800;occ; 73; 0;41411

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 26; 4921.3; 31-JAN-2010 02:45:28; Bright; 54.0; 126; 60Bet Oph ; 2.77; 4250;occ; 108; 0;41411
 27; 5307.7; 31-JAN-2010 02:51:55; Dark ; 41.0; 86; 35Eta Oph ; 2.43; 10200;occ; 82; 0;41411
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 30; 6041.7; 31-JAN-2010 03:04:09; Dark ; 44.0; 109; Bet Lup ; 2.68; 26000;occ; 88; 0;41411
 31; 6133.7; 31-JAN-2010 03:05:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;41411
 32; 6223.6; 31-JAN-2010 03:07:10; Dark ; 44.0; 4; Alp1Cen ; -0.01; 5800;occ; 88; 0;41411
 33; 6337.0; 31-JAN-2010 03:09:04; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;41411
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 37; 6855.4; 31-JAN-2010 03:17:42; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;41411
 38; 6960.8; 31-JAN-2010 03:19:28; Dark ; 41.5; 46; Del Vel ; 1.95; 10600;occ; 83; 0;41411
 39; 7112.6; 31-JAN-2010 03:22:00; Dark ; 43.5; 34; Gam2Vel ; 1.79; 23000;occ; 87; 0;41411
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 41; 7500.9; 31-JAN-2010 03:28:28; Dark ; 42.5; 132; 15Rho Pup ; 2.80; 6900;occ; 85; 0;41411
 42; 8028.6; 31-JAN-2010 03:37:16; Dark ; 46.5; 8; 10Alp CMi ; 0.40; 6500;occ; 93; 0;41411
 43; 8375.9; 31-JAN-2010 03:43:03; Bright; 37.5; 170; 27Eps Gem ; 3.00; 9700;occ; 75; 0;41411
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 19; 704.8; 31-JAN-2010 04:56:24; Dark ; 37.5; 159; Ups Car ; 2.92; 7200;occ; 75; 0;41413
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22; 6333.6; 30-JAN-2010 20:26:37; Dark ; 44.0; 77; Eps Cen ; 2.30; 28000;occ; 88; 0;41407
23; 6497.0; 30-JAN-2010 20:29:20; Dark ; 48.5; 12; Alp1Cru ; 0.77; 30000;occ; 97; 0;41407
24; 6613.9; 30-JAN-2010 20:31:17; Dark ; 46.5; 99; Del Cen ; 2.58; 26000;occ; 93; 0;41407
25; 6738.9; 30-JAN-2010 20:33:22; Dark ; 38.0; 159; Ups Car ; 2.92; 7200;occ; 76; 0;41407
26; 6854.0; 30-JAN-2010 20:35:17; Dark ; 44.5; 71; Iot Car ; 2.25; 7700;occ; 89; 0;41407
27; 6959.3; 30-JAN-2010 20:37:03; Dark ; 47.5; 46; Del Vel ; 1.95; 10600;occ; 95; 0;41407
28; 7111.5; 30-JAN-2010 20:39:35; Dark ; 24.0; 34; Gam2Vel ; 1.79; 23000;occ; 48; 0;41407

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