

GOMOS Daily Report 17-JAN-2008

Level 0 and Level 1 products

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

Item	Value
Time of report generation	28JAN2008 11:04:42
Data source version	GOMOS/5.00
Start time of products	17-01-2008 (17JAN2008 00:00:00)
Stop time of products	18-01-2008 (18JAN2008 00:00:00)
Store outputs in DB	Yes
Nb of level 1b prods	49
Nb of prods with errors	0

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

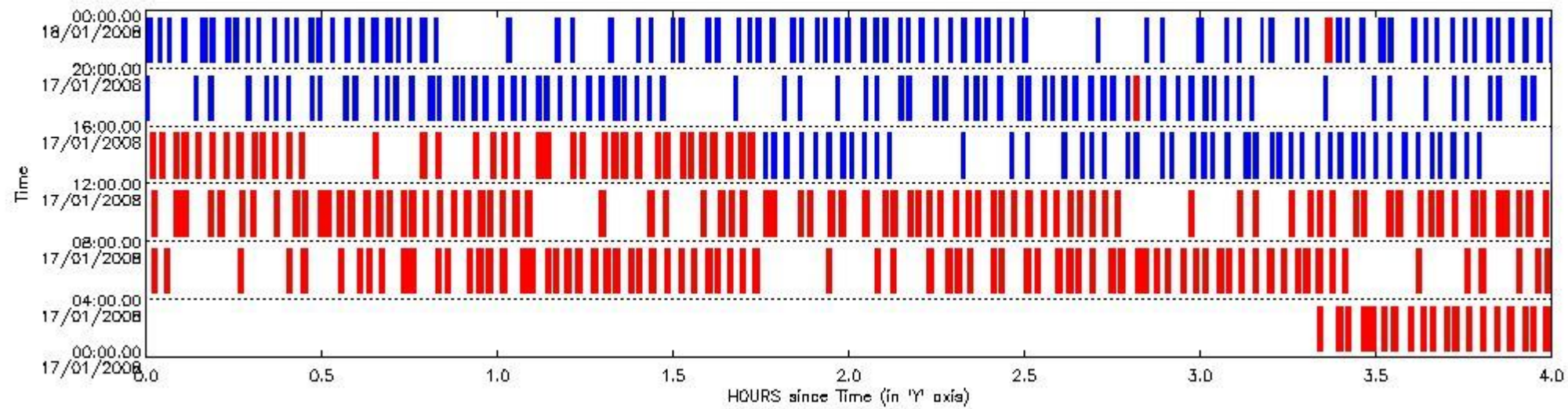
2.1 Level 0 products arrived in PCF (see template [here](#))

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

Red segments are missing products.

Blue segments are available products.

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



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

UTC start time	Star name	Star ID	Orbit
17-JAN-2008 03:19:56	Alp1Cen	4	30748
17-JAN-2008 03:23:15	DSA1028	0	30748
17-JAN-2008 03:24:45	DelCru	129	30748
17-JAN-2008 03:27:35	TheCar	124	30748
17-JAN-2008 03:28:54	BetCar	29	30748
17-JAN-2008 03:30:51	lotCar	71	30748
17-JAN-2008 03:32:43	DelVel	46	30748
17-JAN-2008 03:35:25	Gam2Vel	34	30748
17-JAN-2008 03:37:33	ZetPup	70	30748
17-JAN-2008 03:39:12	PiPup	117	30748
17-JAN-2008 03:41:45	21EpsCMa	23	30748
17-JAN-2008 03:43:10	24Omi2CMa	179	30748
17-JAN-2008 03:45:22	9AlpCMa	1	30748
17-JAN-2008 03:47:52	53KapOri	56	30748
17-JAN-2008 03:50:20	46EpsOri	30	30748

17-JAN-2008 03:52:32	58AlpOri	14	30748
17-JAN-2008 03:54:59	24GamGem	44	30748
17-JAN-2008 03:56:29	23ZetTau	176	30748
17-JAN-2008 03:58:39	12BetTau	28	30748
17-JAN-2008 04:00:52	37TheAur	107	30748
17-JAN-2008 04:03:03	34BetAur	42	30748
17-JAN-2008 04:15:37	1AlpUMi	49	30748
17-JAN-2008 04:23:52	14EtaDra	119	30748
17-JAN-2008 04:26:30	23BetDra	130	30748
17-JAN-2008 04:32:47	40ZetHer	133	30748
17-JAN-2008 04:35:55	27BetHer	127	30748
17-JAN-2008 04:37:37	55AlpOph	59	30748
17-JAN-2008 04:39:44	60BetOph	126	30748
17-JAN-2008 04:43:37	1DelOph	120	30748
17-JAN-2008 04:44:58	13ZetOph	98	30748
17-JAN-2008 04:49:25	21AlpSco	16	30748
17-JAN-2008 04:51:05	26EpsSco	75	30748
17-JAN-2008 04:54:43	GamLup	131	30748
17-JAN-2008 04:56:30	BetLup	109	30748
17-JAN-2008 04:58:01	AlpLup	78	30748
17-JAN-2008 05:00:32	Alp1Cen	4	30749
17-JAN-2008 05:03:51	DSA1028	0	30749
17-JAN-2008 05:05:22	DelCru	129	30749
17-JAN-2008 05:08:11	TheCar	124	30749
17-JAN-2008 05:09:30	BetCar	29	30749
17-JAN-2008 05:11:28	lotCar	71	30749
17-JAN-2008 05:13:19	DelVel	46	30749
17-JAN-2008 05:16:01	Gam2Vel	34	30749
17-JAN-2008 05:18:10	ZetPup	70	30749
17-JAN-2008 05:19:48	PiPup	117	30749
17-JAN-2008 05:22:21	21EpsCMa	23	30749
17-JAN-2008 05:23:46	24Omi2CMa	179	30749
17-JAN-2008 05:25:58	9AlpCMa	1	30749
17-JAN-2008 05:28:28	53KapOri	56	30749
17-JAN-2008 05:30:56	46EpsOri	30	30749
17-JAN-2008 05:33:08	58AlpOri	14	30749
17-JAN-2008 05:35:35	24GamGem	44	30749
17-JAN-2008 05:37:05	23ZetTau	176	30749
17-JAN-2008 05:39:15	12BetTau	28	30749
17-JAN-2008 05:41:28	37TheAur	107	30749
17-JAN-2008 05:43:39	34BetAur	42	30749
17-JAN-2008 05:56:13	1AlpUMi	49	30749
17-JAN-2008 06:04:28	14EtaDra	119	30749
17-JAN-2008 06:07:06	23BetDra	130	30749
17-JAN-2008 06:13:23	40ZetHer	133	30749
17-JAN-2008 06:16:31	27BetHer	127	30749
17-JAN-2008 06:18:13	55AlpOph	59	30749
17-JAN-2008 06:20:20	60BetOph	126	30749
17-JAN-2008 06:24:13	1DelOph	120	30749
17-JAN-2008 06:25:34	13ZetOph	98	30749
17-JAN-2008 06:30:02	21AlpSco	16	30749
17-JAN-2008 06:31:41	26EpsSco	75	30749
17-JAN-2008 06:35:20	GamLup	131	30749
17-JAN-2008 06:37:07	BetLup	109	30749
17-JAN-2008 06:38:38	AlpLup	78	30749
17-JAN-2008 06:41:09	Alp1Cen	4	30750
17-JAN-2008 06:44:27	DSA1028	0	30750
17-JAN-2008 06:45:59	DelCru	129	30750
17-JAN-2008 06:48:47	TheCar	124	30750

17-JAN-2008 06:50:06	BetCar	29	30750
17-JAN-2008 06:52:04	lotCar	71	30750
17-JAN-2008 06:53:56	DelVel	46	30750
17-JAN-2008 06:56:38	Gam2Vel	34	30750
17-JAN-2008 06:58:46	ZetPup	70	30750
17-JAN-2008 07:00:25	PiPup	117	30750
17-JAN-2008 07:02:57	21EpsCMa	23	30750
17-JAN-2008 07:04:22	24Omi2CMa	179	30750
17-JAN-2008 07:06:35	9AlpCMa	1	30750
17-JAN-2008 07:09:04	53KapOri	56	30750
17-JAN-2008 07:11:32	46EpsOri	30	30750
17-JAN-2008 07:13:44	58AlpOri	14	30750
17-JAN-2008 07:16:11	24GamGem	44	30750
17-JAN-2008 07:17:41	23ZetTau	176	30750
17-JAN-2008 07:19:51	12BetTau	28	30750
17-JAN-2008 07:22:04	37TheAur	107	30750
17-JAN-2008 07:24:15	34BetAur	42	30750
17-JAN-2008 07:36:48	1AlpUMi	49	30750
17-JAN-2008 07:45:04	14EtaDra	119	30750
17-JAN-2008 07:47:42	23BetDra	130	30750
17-JAN-2008 07:54:00	40ZetHer	133	30750
17-JAN-2008 07:57:07	27BetHer	127	30750
17-JAN-2008 07:58:49	55AlpOph	59	30750
17-JAN-2008 08:00:56	60BetOph	126	30750
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17-JAN-2008 08:06:10	13ZetOph	98	30750
17-JAN-2008 08:10:38	21AlpSco	16	30750
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17-JAN-2008 08:32:40	lotCar	71	30751
17-JAN-2008 08:34:32	DelVel	46	30751
17-JAN-2008 08:37:14	Gam2Vel	34	30751
17-JAN-2008 08:39:22	ZetPup	70	30751
17-JAN-2008 08:41:01	PiPup	117	30751
17-JAN-2008 08:43:33	21EpsCMa	23	30751
17-JAN-2008 08:44:58	24Omi2CMa	179	30751
17-JAN-2008 08:47:11	9AlpCMa	1	30751
17-JAN-2008 08:49:41	53KapOri	56	30751
17-JAN-2008 08:52:09	46EpsOri	30	30751
17-JAN-2008 08:54:20	58AlpOri	14	30751
17-JAN-2008 08:56:47	24GamGem	44	30751
17-JAN-2008 08:58:17	23ZetTau	176	30751
17-JAN-2008 09:00:27	12BetTau	28	30751
17-JAN-2008 09:02:40	37TheAur	107	30751
17-JAN-2008 09:04:51	34BetAur	42	30751
17-JAN-2008 09:17:24	1AlpUMi	49	30751
17-JAN-2008 09:25:40	14EtaDra	119	30751
17-JAN-2008 09:28:18	23BetDra	130	30751
17-JAN-2008 09:34:36	40ZetHer	133	30751
17-JAN-2008 09:37:44	27BetHer	127	30751
17-JAN-2008 09:39:25	55AlpOph	59	30751
17-JAN-2008 09:41:32	60BetOph	126	30751
17-JAN-2008 09:45:26	1DelOph	120	30751

17-JAN-2008 09:46:46	13ZetOph	98	30751
17-JAN-2008 09:51:14	21AlpSco	16	30751
17-JAN-2008 09:52:54	26EpsSco	75	30751
17-JAN-2008 09:56:32	GamLup	131	30751
17-JAN-2008 09:58:20	BetLup	109	30751
17-JAN-2008 10:02:22	Alp1Cen	4	30752
17-JAN-2008 10:05:40	DSA1028	0	30752
17-JAN-2008 10:07:12	DelCru	129	30752
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17-JAN-2008 10:15:08	DelVel	46	30752
17-JAN-2008 10:17:50	Gam2Vel	34	30752
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17-JAN-2008 10:21:37	PiPup	117	30752
17-JAN-2008 10:24:09	21EpsCMa	23	30752
17-JAN-2008 10:25:34	24Omi2CMa	179	30752
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17-JAN-2008 10:30:17	53KapOri	56	30752
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17-JAN-2008 10:34:56	58AlpOri	14	30752
17-JAN-2008 10:37:23	24GamGem	44	30752
17-JAN-2008 10:38:53	23ZetTau	176	30752
17-JAN-2008 10:41:03	12BetTau	28	30752
17-JAN-2008 10:43:16	37TheAur	107	30752
17-JAN-2008 10:45:27	34BetAur	42	30752
17-JAN-2008 10:58:00	1AlpUMi	49	30752
17-JAN-2008 11:06:16	14EtaDra	119	30752
17-JAN-2008 11:08:54	23BetDra	130	30752
17-JAN-2008 11:15:12	40ZetHer	133	30752
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17-JAN-2008 11:20:01	55AlpOph	59	30752
17-JAN-2008 11:22:08	60BetOph	126	30752
17-JAN-2008 11:26:03	1DelOph	120	30752
17-JAN-2008 11:27:23	13ZetOph	98	30752
17-JAN-2008 11:31:51	21AlpSco	16	30752
17-JAN-2008 11:33:30	26EpsSco	75	30752
17-JAN-2008 11:37:09	GamLup	131	30752
17-JAN-2008 11:38:57	BetLup	109	30752
17-JAN-2008 11:40:27	AlpLup	78	30752
17-JAN-2008 11:42:58	Alp1Cen	4	30753
17-JAN-2008 11:46:16	DSA1028	0	30753
17-JAN-2008 11:47:48	DelCru	129	30753
17-JAN-2008 11:50:37	TheCar	124	30753
17-JAN-2008 11:51:55	BetCar	29	30753
17-JAN-2008 11:53:53	lotCar	71	30753
17-JAN-2008 11:55:45	DelVel	46	30753
17-JAN-2008 11:58:26	Gam2Vel	34	30753
17-JAN-2008 12:00:35	ZetPup	70	30753
17-JAN-2008 12:02:13	PiPup	117	30753
17-JAN-2008 12:04:45	21EpsCMa	23	30753
17-JAN-2008 12:06:10	24Omi2CMa	179	30753
17-JAN-2008 12:08:23	9AlpCMa	1	30753
17-JAN-2008 12:10:53	53KapOri	56	30753
17-JAN-2008 12:13:21	46EpsOri	30	30753
17-JAN-2008 12:15:32	58AlpOri	14	30753
17-JAN-2008 12:17:59	24GamGem	44	30753
17-JAN-2008 12:19:29	23ZetTau	176	30753
17-JAN-2008 12:21:39	12BetTau	28	30753

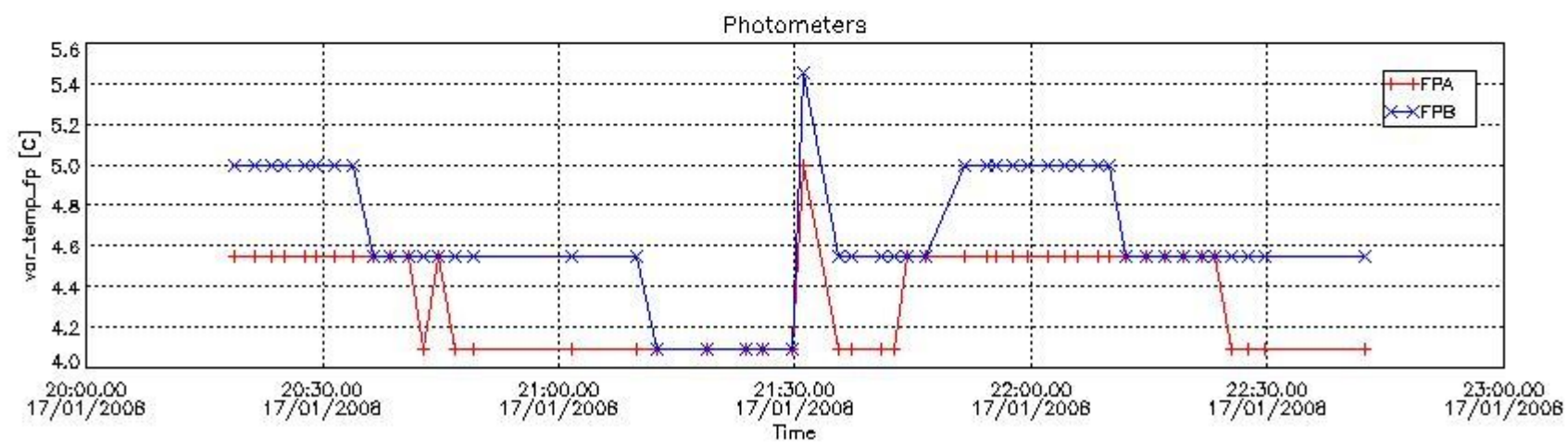
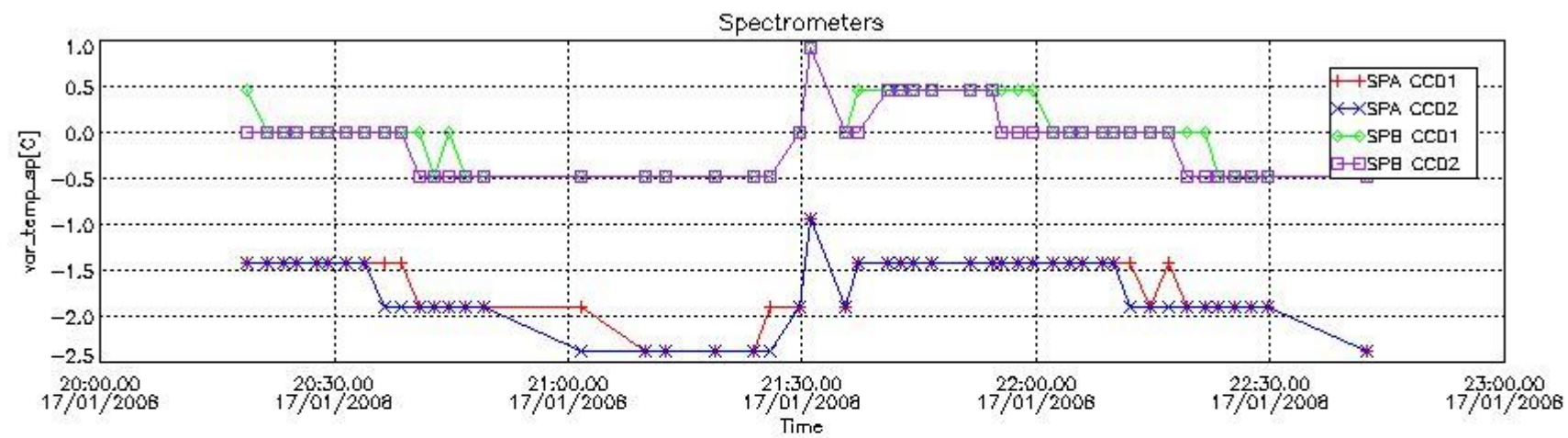
17-JAN-2008 12:23:52	37TheAur	107	30753
17-JAN-2008 12:26:02	34BetAur	42	30753
17-JAN-2008 12:38:36	1AlpUMi	49	30753
17-JAN-2008 12:46:52	14EtaDra	119	30753
17-JAN-2008 12:49:30	23BetDra	130	30753
17-JAN-2008 12:55:48	40ZetHer	133	30753
17-JAN-2008 12:58:56	27BetHer	127	30753
17-JAN-2008 13:00:37	55AlpOph	59	30753
17-JAN-2008 13:02:44	60BetOph	126	30753
17-JAN-2008 13:06:39	1DelOph	120	30753
17-JAN-2008 13:07:59	13ZetOph	98	30753
17-JAN-2008 13:12:27	21AlpSco	16	30753
17-JAN-2008 13:14:06	26EpsSco	75	30753
17-JAN-2008 13:17:45	GamLup	131	30753
17-JAN-2008 13:19:33	BetLup	109	30753
17-JAN-2008 13:21:04	AlpLup	78	30753
17-JAN-2008 13:23:34	Alp1Cen	4	30754
17-JAN-2008 13:26:52	DSA1028	0	30754
17-JAN-2008 13:28:25	DelCru	129	30754
17-JAN-2008 13:31:13	TheCar	124	30754
17-JAN-2008 13:32:31	BetCar	29	30754
17-JAN-2008 13:34:29	lotCar	71	30754
17-JAN-2008 13:36:21	DelVel	46	30754
17-JAN-2008 13:39:03	Gam2Vel	34	30754
17-JAN-2008 13:41:11	ZetPup	70	30754
17-JAN-2008 13:42:49	PiPup	117	30754
17-JAN-2008 18:48:34	24Omi2CMa	179	30757
17-JAN-2008 23:21:24	GamLup	131	30759

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_1PNPDE20080117_201848_000000402065_00143_30758_0474.N1	17-JAN-2008 20:18:48	Dark	40.000	46	Del Vel	1.9540	10600.	80	30758	No
2	GOM_TRA_1PNPDE20080117_202130_000000422065_00143_30758_0475.N1	17-JAN-2008 20:21:30	Dark	41.500	34	Gam2Vel	1.7930	23000.	83	30758	No
3	GOM_TRA_1PNPDE20080117_202338_000000432065_00143_30758_0476.N1	17-JAN-2008 20:23:38	Dark	43.000	70	Zet Pup	2.2460	39000.	86	30758	No
4	GOM_TRA_1PNPDE20080117_202516_000000412065_00143_30758_0477.N1	17-JAN-2008 20:25:16	Straylight	41.000	117	Pi Pup	2.7060	3800.0	82	30758	No
5	GOM_TRA_1PNPDE20080117_202748_000000422065_00143_30758_0478.N1	17-JAN-2008 20:27:48	Straylight	42.000	23	21Eps CMa	1.5020	26000.	84	30758	No
6	GOM_TRA_1PNPDE20080117_202913_000000372065_00143_30758_0479.N1	17-JAN-2008 20:29:13	Straylight	37.000	179	24Omi2CMa	3.0320	24000.	74	30758	No
7	GOM_TRA_1PNPDE20080117_203125_000000452065_00143_30758_0480.N1	17-JAN-2008 20:31:25	Straylight	44.500	1	9Alp CMa	-1.4400	11000.	89	30758	No
8	GOM_TRA_1PNPDE20080117_203355_000000402065_00143_30758_0481.N1	17-JAN-2008 20:33:55	Straylight	40.000	56	53Kap Ori	2.0650	30000.	80	30758	No
9	GOM_TRA_1PNPDE20080117_203623_000000422065_00143_30758_0482.N1	17-JAN-2008 20:36:23	Twi_and_stray	41.500	30	46Eps Ori	1.6940	30000.	83	30758	No
10	GOM_TRA_1PNPDE20080117_203835_000000522065_00143_30758_0483.N1	17-JAN-2008 20:38:35	Twi_and_stray	52.000	14	58Alp Ori	0.87000	3000.0	104	30758	No
11	GOM_TRA_1PNPDE20080117_204100_000000522065_00143_30758_0484.N1	17-JAN-2008 20:41:00	Bright	52.000	44	24Gam Gem	1.9280	11000.	104	30758	No
12	GOM_TRA_1PNPDE20080117_204244_000000392065_00143_30758_0485.N1	17-JAN-2008 20:42:44	Bright	39.000	151	13Mu Gem	2.8900	3000.0	78	30758	No
13	GOM_TRA_1PNPDE20080117_204442_000000352065_00143_30758_0486.N1	17-JAN-2008 20:44:42	Bright	34.500	28	12Bet Tau	1.6500	15200.	69	30758	No
14	GOM_TRA_1PNPDE20080117_204653_000000522065_00143_30758_0487.N1	17-JAN-2008 20:46:53	Bright	52.000	107	37The Aur	2.6490	11000.	104	30758	No
15	GOM_TRA_1PNPDE20080117_204904_000000362065_00143_30758_0488.N1	17-JAN-2008 20:49:04	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	30758	No
16	GOM_TRA_1PNPDE20080117_210138_000000352065_00143_30758_0489.N1	17-JAN-2008 21:01:38	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	30758	No
17	GOM_TRA_1PNPDE20080117_210953_000000462065_00143_30758_0490.N1	17-JAN-2008 21:09:53	Bright	45.500	119	14Eta Dra	2.7270	4700.0	91	30758	No
18	GOM_TRA_1PNPDE20080117_211231_000000352065_00143_30758_0491.N1	17-JAN-2008 21:12:31	Bright	35.000	130	23Bet Dra	2.7990	5800.0	70	30758	No
19	GOM_TRA_1PNPDE20080117_211850_000000552065_00143_30758_0492.N1	17-JAN-2008 21:18:50	Bright	55.000	133	40Zet Her	2.8070	6000.0	110	30758	No
20	GOM_TRA_1PNPDE20080117_212340_000000332065_00143_30758_0493.N1	17-JAN-2008 21:23:40	Bright	33.000	59	55Alp Oph	2.0800	8900.0	66	30758	No
21	GOM_TRA_1PNPDE20080117_212547_000000332065_00143_30758_0494.N1	17-JAN-2008 21:25:47	Bright	33.000	126	60Bet Oph	2.7700	4250.0	66	30758	No
22	GOM_TRA_1PNPDE20080117_212943_000000262065_00143_30758_0495.N1	17-JAN-2008 21:29:43	Twi_and_stray	26.000	120	1Del Oph	2.7340	3200.0	52	30758	No
23	GOM_TRA_1PNPDE20080117_213102_000000412065_00143_30758_0632.N1	17-JAN-2008 21:31:02	Bright	40.500	98	13Zet Oph	2.5710	30000.	81	30758	No
24	GOM_TRA_1PNPDE20080117_213531_000000482065_00143_30758_0633.N1	17-JAN-2008 21:35:31	Twi_and_stray	48.000	16	21Alp Sco	1.0200	3000.0	96	30758	No
25	GOM_TRA_1PNPDE20080117_213709_000000452065_00143_30758_0634.N1	17-JAN-2008 21:37:09	Twilight	45.000	75	26Eps Sco	2.2910	4250.0	90	30758	No
26	GOM_TRA_1PNPDE20080117_214050_000000382065_00143_30758_0635.N1	17-JAN-2008 21:40:50	Dark	37.500	131	Gam Lup	2.8000	26000.	75	30758	No

27	GOM_TRA_1PNPDE20080117_214238_000000392065_00143_30758_0636.N1	17-JAN-2008 21:42:38	Dark	39.000	109	Bet Lup	2.6770	26000.	78	30758	No
28	GOM_TRA_1PNPDE20080117_214409_000000412065_00143_30758_0637.N1	17-JAN-2008 21:44:09	Dark	40.500	78	Alp Lup	2.3040	28000.	81	30758	No
29	GOM_TRA_1PNPDE20080117_214638_000000412065_00144_30759_0638.N1	17-JAN-2008 21:46:38	Dark	40.500	4	Alp1Cen	-0.010000	5800.0	81	30759	No
30	GOM_TRA_1PNPDE20080117_215130_000000412065_00144_30759_0639.N1	17-JAN-2008 21:51:30	Dark	41.000	129	Del Cru	2.7930	26000.	82	30759	No
31	GOM_TRA_1PNPDE20080117_215417_000000382065_00144_30759_0640.N1	17-JAN-2008 21:54:17	Dark	37.500	124	The Car	2.7640	30000.	75	30759	No
32	GOM_TRA_1PNPDE20080117_215534_000000382065_00144_30759_0641.N1	17-JAN-2008 21:55:34	Dark	38.000	29	Bet Car	1.6720	10200.	76	30759	No
33	GOM_TRA_1PNPDE20080117_215733_000000432065_00144_30759_0642.N1	17-JAN-2008 21:57:33	Dark	43.000	71	lot Car	2.2460	7700.0	86	30759	No
34	GOM_TRA_1PNPDE20080117_215924_000000402065_00144_30759_0643.N1	17-JAN-2008 21:59:24	Dark	40.000	46	Del Vel	1.9540	10600.	80	30759	No
35	GOM_TRA_1PNPDE20080117_220206_000000402065_00144_30759_0644.N1	17-JAN-2008 22:02:06	Dark	39.500	34	Gam2Vel	1.7930	23000.	79	30759	No
36	GOM_TRA_1PNPDE20080117_220414_000000432065_00144_30759_0645.N1	17-JAN-2008 22:04:14	Dark	43.000	70	Zet Pup	2.2460	39000.	86	30759	No
37	GOM_TRA_1PNPDE20080117_220552_000000422065_00144_30759_0646.N1	17-JAN-2008 22:05:52	Straylight	42.000	117	Pi Pup	2.7060	3800.0	84	30759	No
38	GOM_TRA_1PNPDE20080117_220824_000000422065_00144_30759_0647.N1	17-JAN-2008 22:08:24	Straylight	41.500	23	21Eps CMa	1.5020	26000.	83	30759	No
39	GOM_TRA_1PNPDE20080117_220949_000000392065_00144_30759_0648.N1	17-JAN-2008 22:09:49	Straylight	39.000	179	24Omi2CMa	3.0320	24000.	78	30759	No
40	GOM_TRA_1PNPDE20080117_221201_000000442065_00144_30759_0649.N1	17-JAN-2008 22:12:01	Straylight	44.000	1	9Alp CMa	-1.4400	11000.	88	30759	No
41	GOM_TRA_1PNPDE20080117_221431_000000382065_00144_30759_0650.N1	17-JAN-2008 22:14:31	Straylight	38.000	56	53Kap Ori	2.0650	30000.	76	30759	No
42	GOM_TRA_1PNPDE20080117_221659_000000422065_00144_30759_0651.N1	17-JAN-2008 22:16:59	Twilight_stray	41.500	30	46Eps Ori	1.6940	30000.	83	30759	No
43	GOM_TRA_1PNPDE20080117_221911_000000522065_00144_30759_0652.N1	17-JAN-2008 22:19:11	Twilight_stray	52.000	14	58Alp Ori	0.87000	3000.0	104	30759	No
44	GOM_TRA_1PNPDE20080117_222136_000000482065_00144_30759_0653.N1	17-JAN-2008 22:21:36	Bright	47.500	44	24Gam Gem	1.9280	11000.	95	30759	No
45	GOM_TRA_1PNPDE20080117_222320_000000412065_00144_30759_0654.N1	17-JAN-2008 22:23:20	Bright	41.000	151	13Mu Gem	2.8900	3000.0	82	30759	No
46	GOM_TRA_1PNPDE20080117_222518_000000362065_00144_30759_0655.N1	17-JAN-2008 22:25:18	Bright	35.500	28	12Bet Tau	1.6500	15200.	71	30759	No
47	GOM_TRA_1PNPDE20080117_222729_000000342065_00144_30759_0656.N1	17-JAN-2008 22:27:29	Bright	34.000	107	37The Aur	2.6490	11000.	68	30759	No
48	GOM_TRA_1PNPDE20080117_222940_000000522065_00144_30759_0657.N1	17-JAN-2008 22:29:40	Bright	52.000	42	34Bet Aur	1.9000	10200.	104	30759	No
49	GOM_TRA_1PNPDE20080117_224214_000000342065_00144_30759_0658.N1	17-JAN-2008 22:42:14	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	30759	No

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



4. Overview of dark signal processing per product

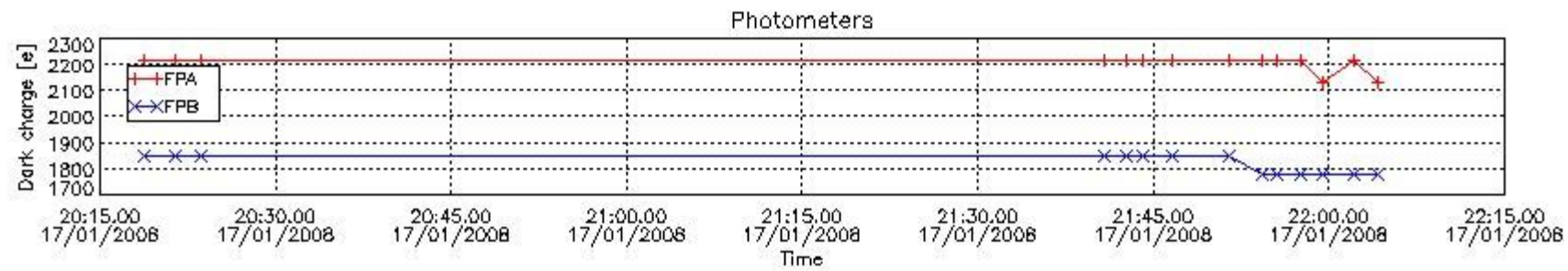
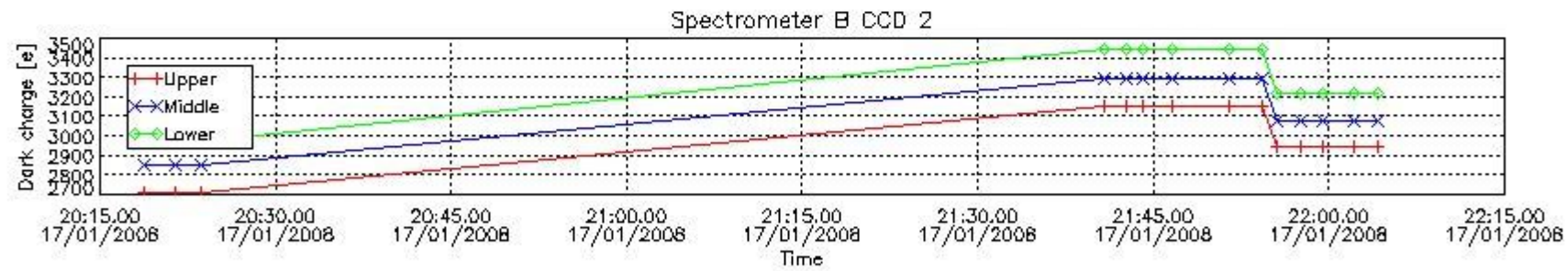
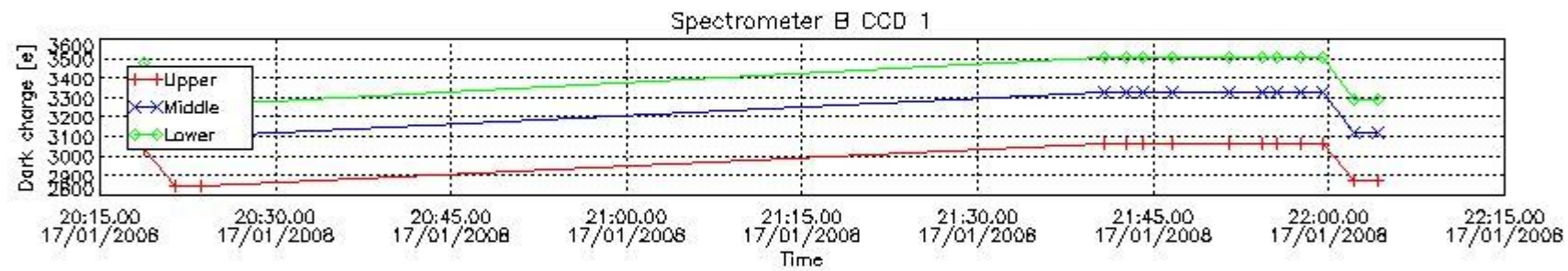
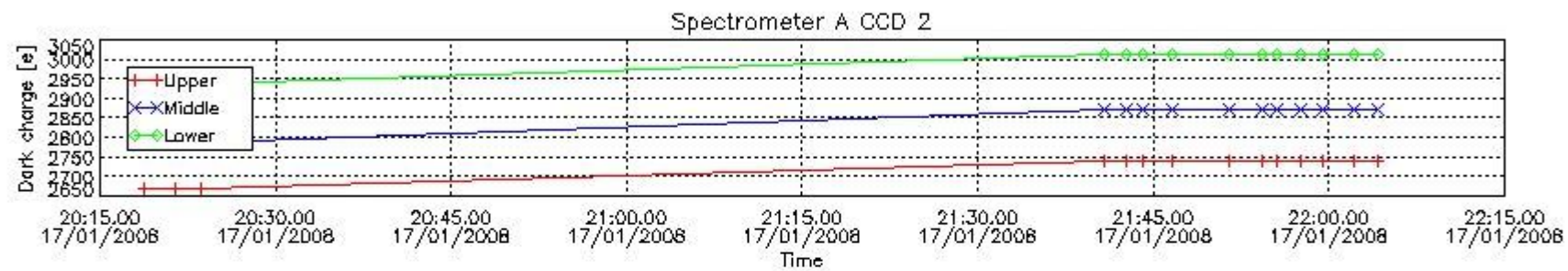
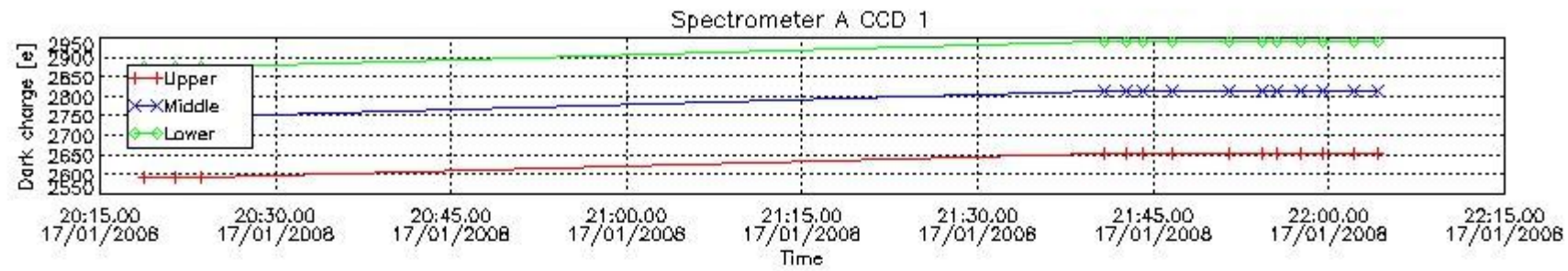
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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_1PNPDE20080117_201848_000000402065_00143_30758_0474.N1	DC map used
GOM_TRA_1PNPDE20080117_202130_000000422065_00143_30758_0475.N1	DC map used
GOM_TRA_1PNPDE20080117_202338_000000432065_00143_30758_0476.N1	DC map used
GOM_TRA_1PNPDE20080117_202516_000000412065_00143_30758_0477.N1	DC map used
GOM_TRA_1PNPDE20080117_202748_000000422065_00143_30758_0478.N1	DC map used
GOM_TRA_1PNPDE20080117_202913_000000372065_00143_30758_0479.N1	DC map used
GOM_TRA_1PNPDE20080117_203125_000000452065_00143_30758_0480.N1	DC map used
GOM_TRA_1PNPDE20080117_203355_000000402065_00143_30758_0481.N1	DC map used
GOM_TRA_1PNPDE20080117_203623_000000422065_00143_30758_0482.N1	DC map used
GOM_TRA_1PNPDE20080117_203835_000000522065_00143_30758_0483.N1	DC map used
GOM_TRA_1PNPDE20080117_204100_000000522065_00143_30758_0484.N1	DC map used
GOM_TRA_1PNPDE20080117_204244_000000392065_00143_30758_0485.N1	DC map used
GOM_TRA_1PNPDE20080117_204442_000000352065_00143_30758_0486.N1	DC map used
GOM_TRA_1PNPDE20080117_204653_000000522065_00143_30758_0487.N1	DC map used
GOM_TRA_1PNPDE20080117_204904_000000362065_00143_30758_0488.N1	DC map used
GOM_TRA_1PNPDE20080117_210138_000000352065_00143_30758_0489.N1	DC map used
GOM_TRA_1PNPDE20080117_210953_000000462065_00143_30758_0490.N1	DC map used
GOM_TRA_1PNPDE20080117_211231_000000352065_00143_30758_0491.N1	DC map used
GOM_TRA_1PNPDE20080117_211850_000000552065_00143_30758_0492.N1	DC map used
GOM_TRA_1PNPDE20080117_212340_000000332065_00143_30758_0493.N1	DC map used
GOM_TRA_1PNPDE20080117_212547_000000332065_00143_30758_0494.N1	DC map used
GOM_TRA_1PNPDE20080117_212943_000000262065_00143_30758_0495.N1	DC map used

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



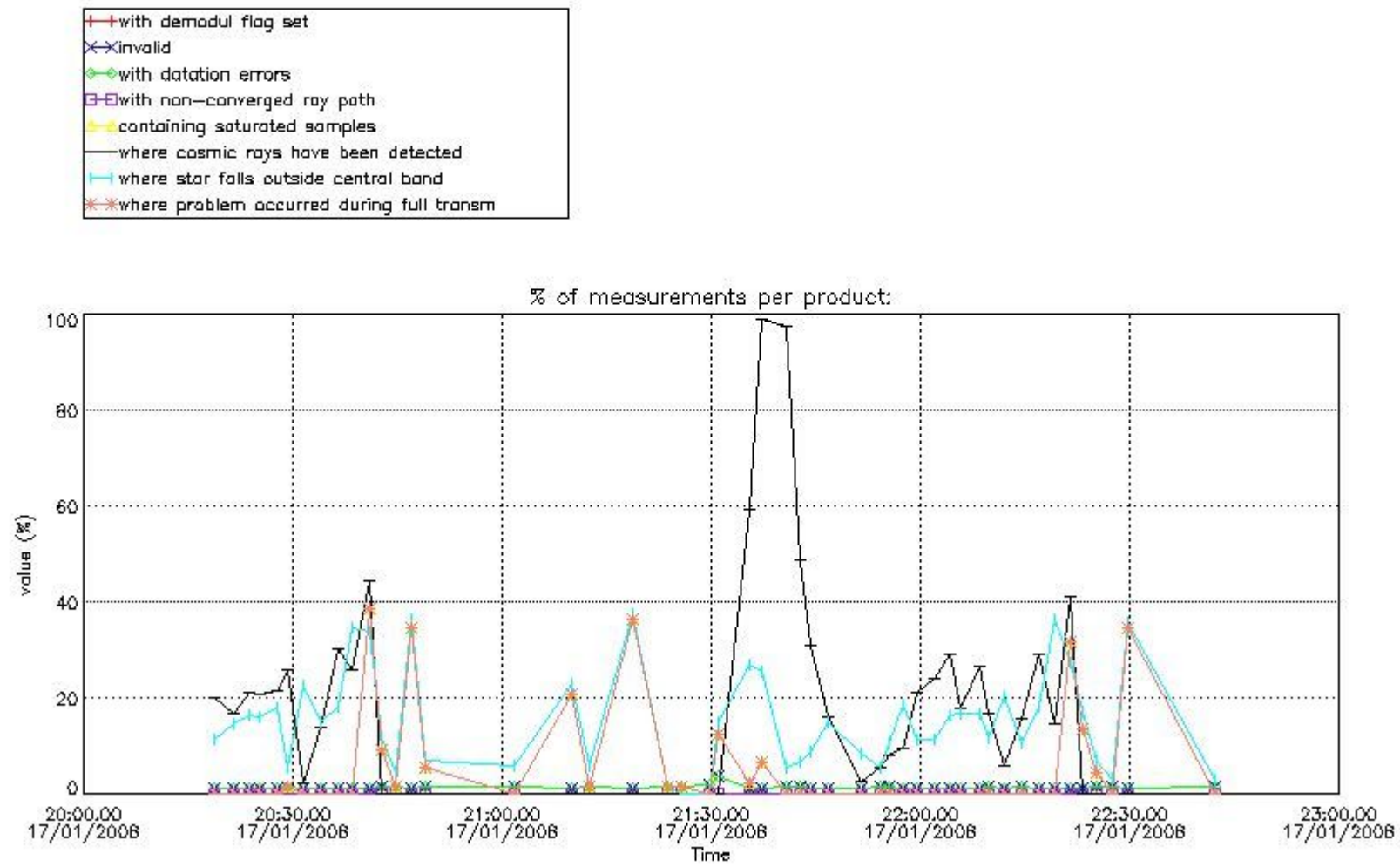
5. Demodulation flag and quality information monitoring

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.

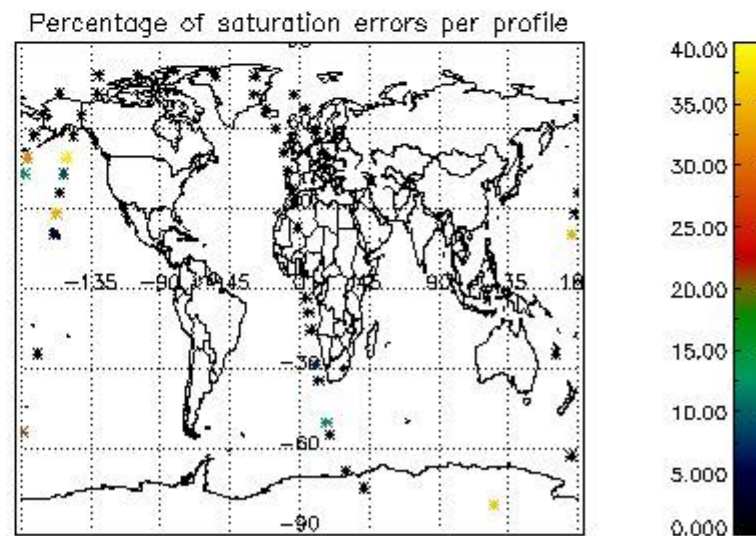
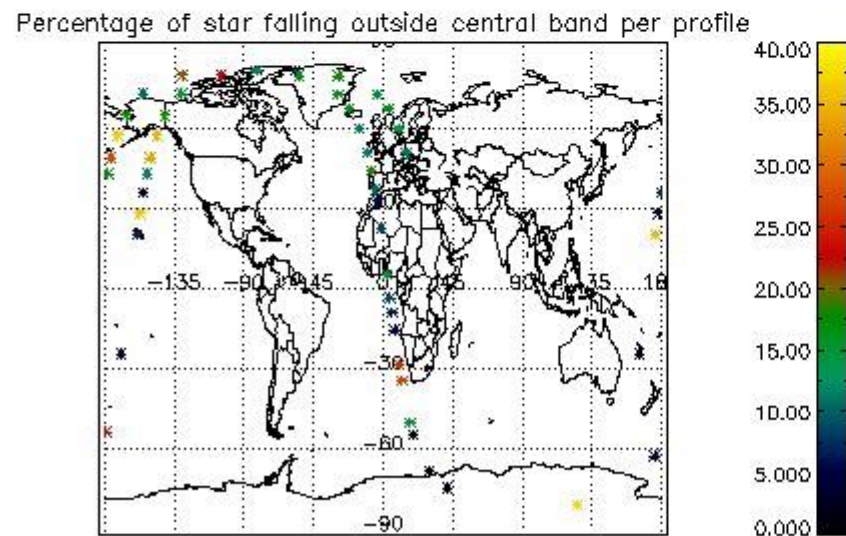
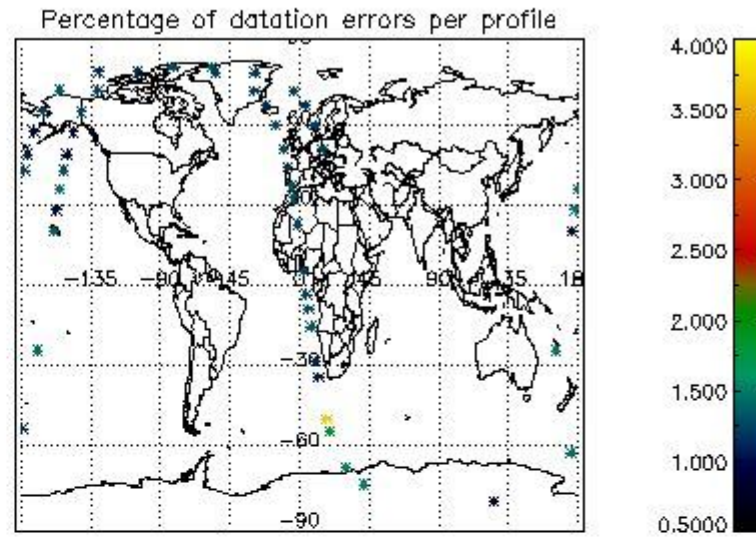
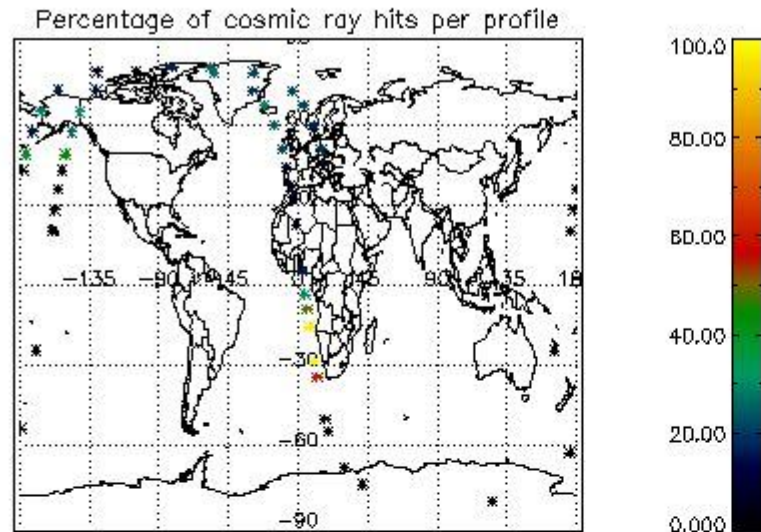
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	20.4082 %
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)



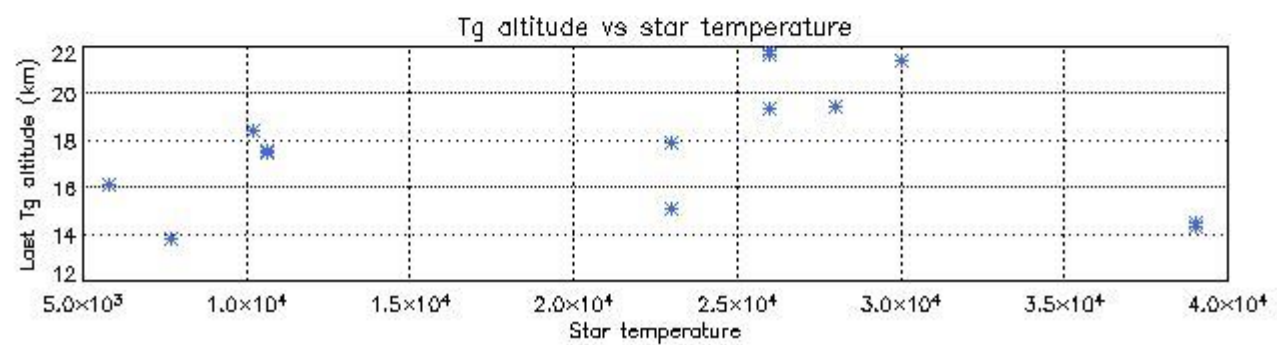
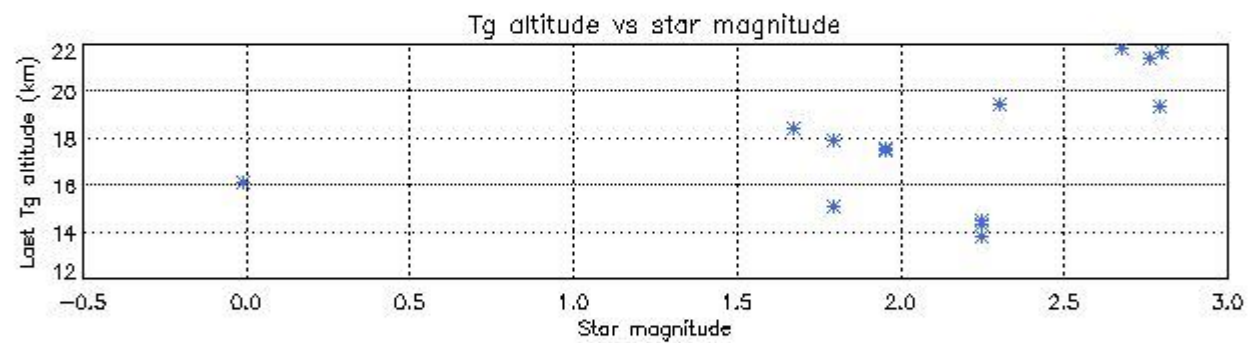
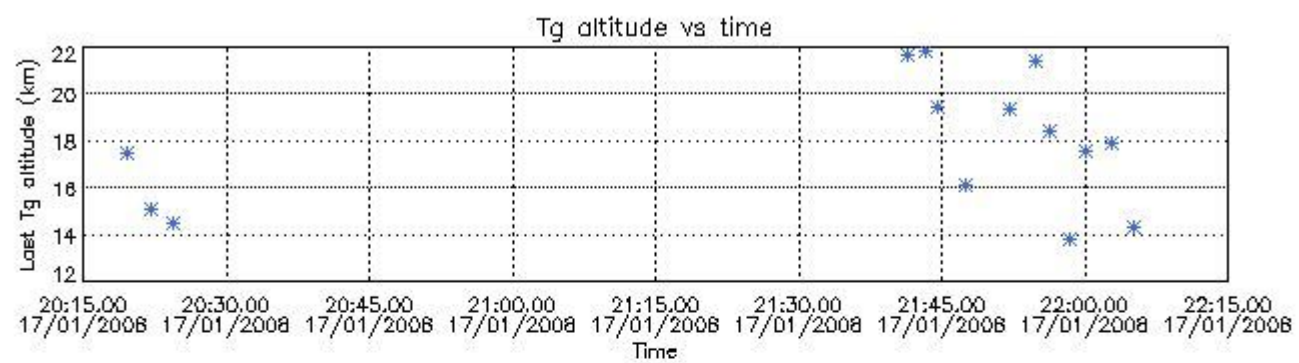
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	17.752	15.940	9.4388
St. deviation:	2.7575	8.0943	0.0000
Maximum:	21.788	25.624	9.4388
Minimum:	13.754	3.9061	9.4388
Number of data:	14.000	18.000	1.0000

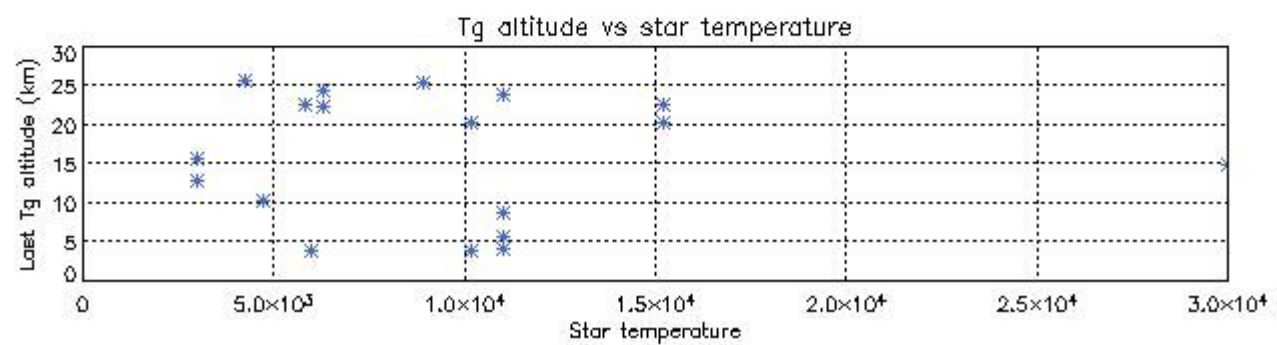
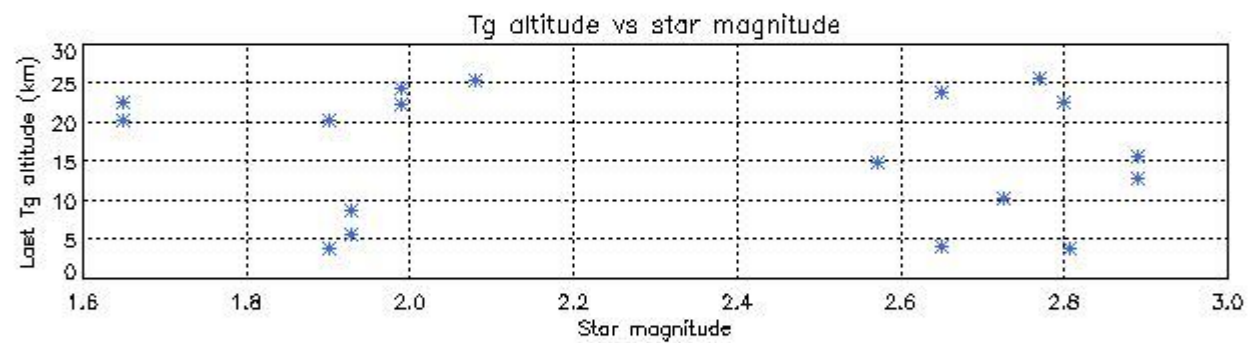
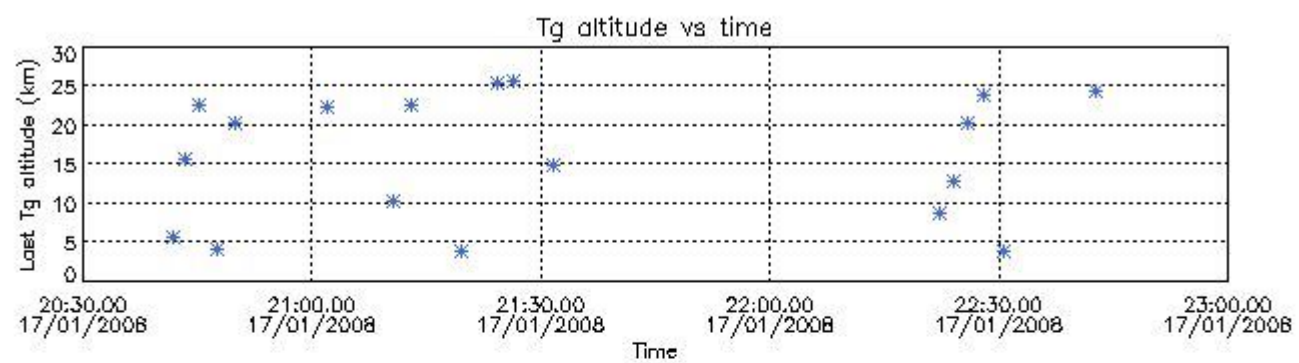
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



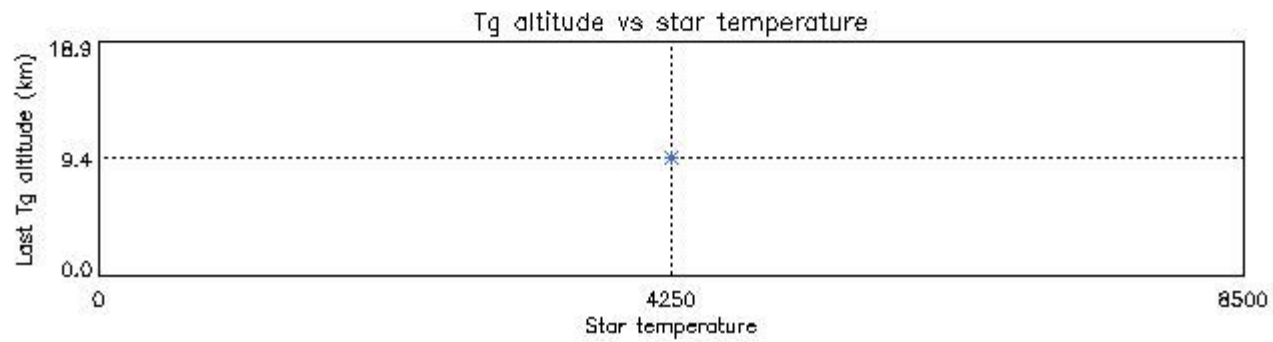
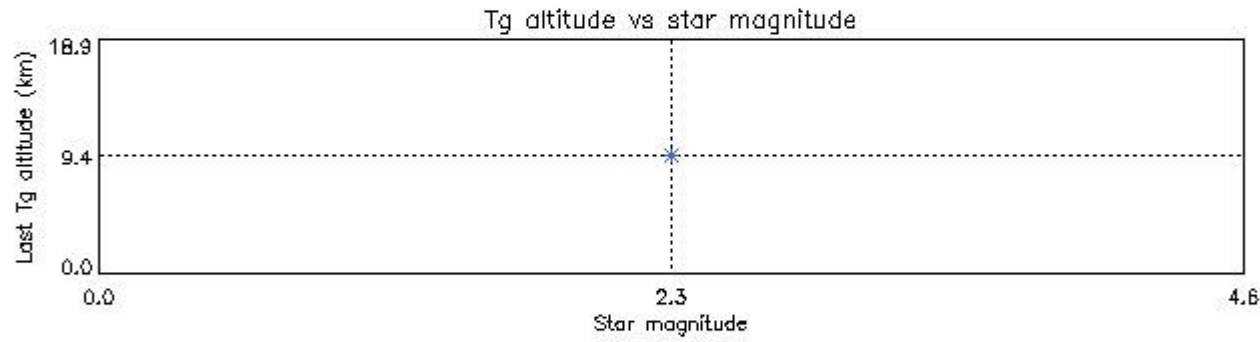
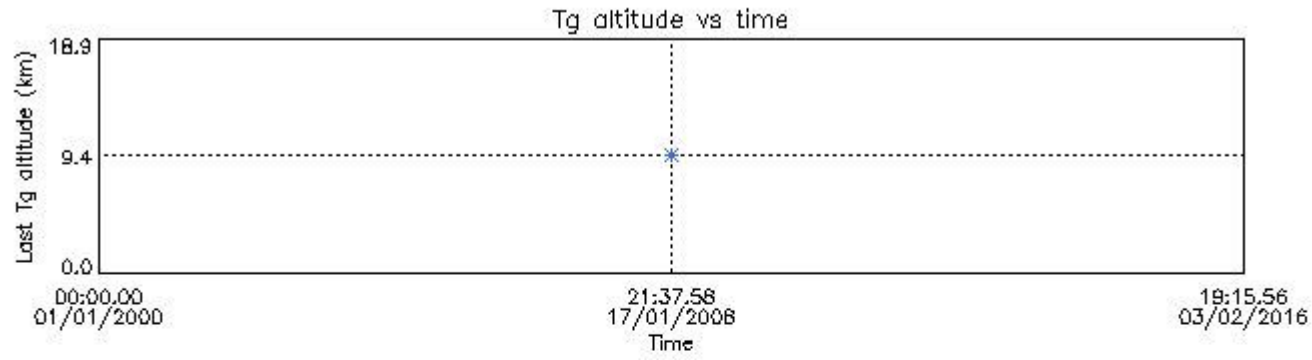
6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products

Tangent altitude at which the star is lost

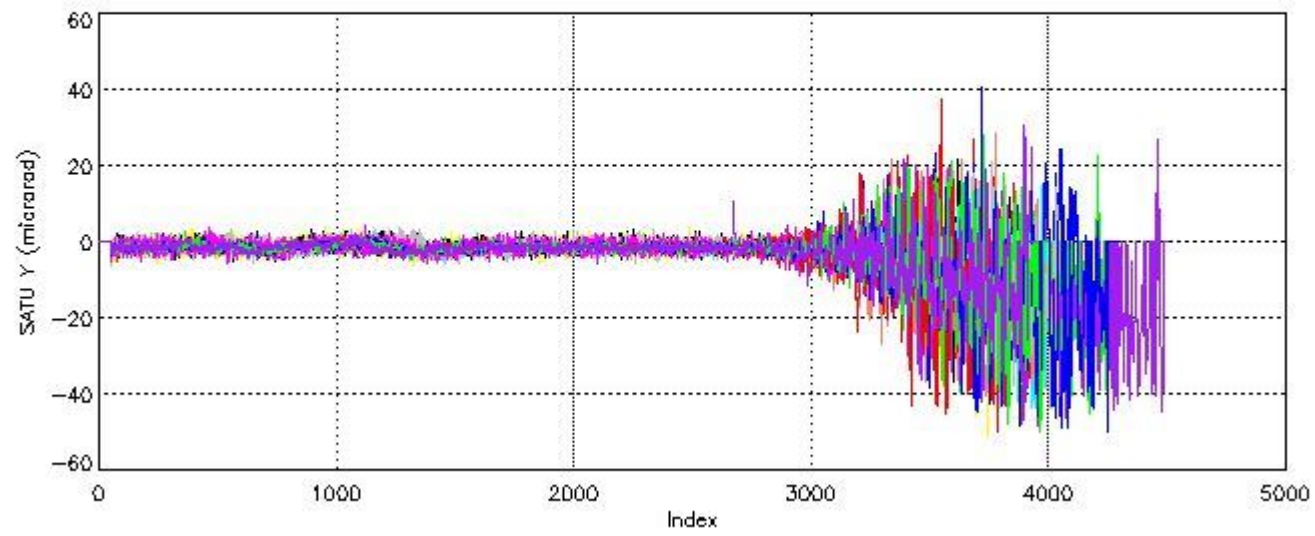
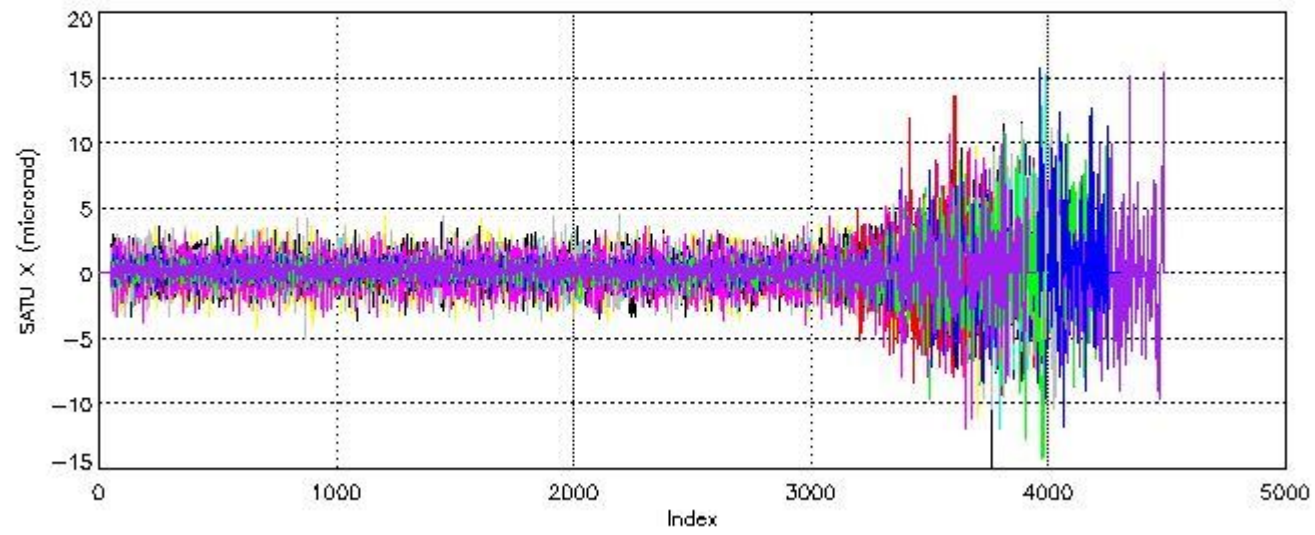


7. Star Acquisition and Tracking Unit (SATU)

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:	0.14273	-1.2782	0.068199	-1.2789
St. deviation:	0.73744	1.0081	0.69174	1.0163
Maximum:	4.2000	3.7000	5.0000	2.4000
Minimum:	-5.0000	-6.2000	-4.6000	-6.3000

Number of data:	12650.	12650.	14600.	14600.
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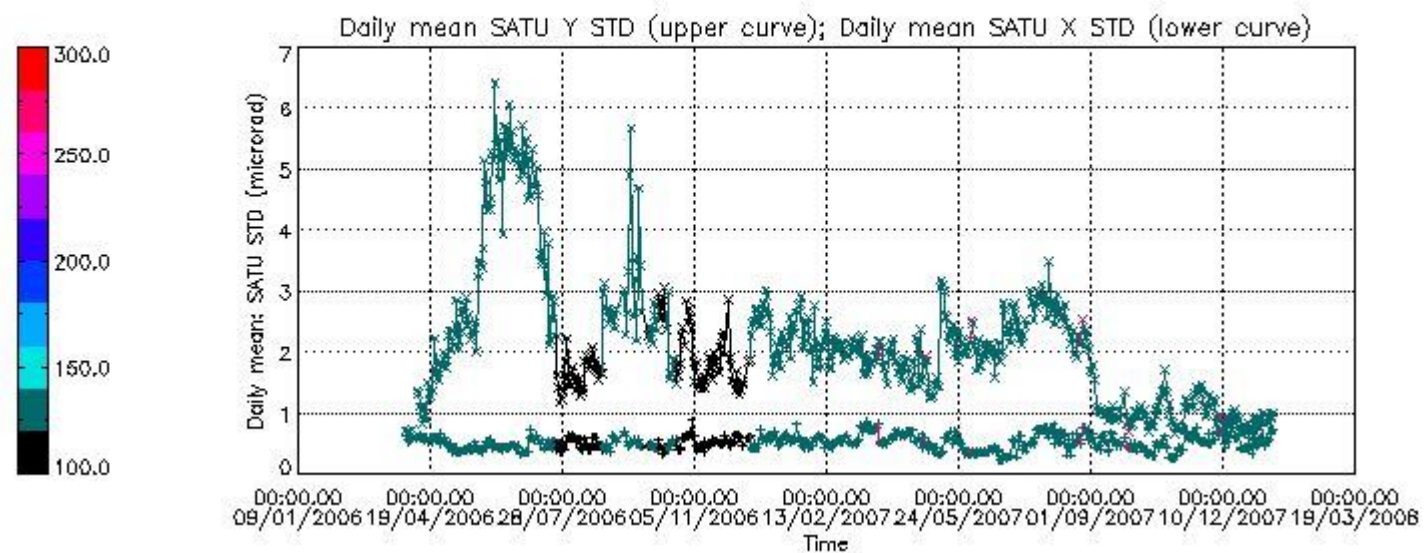
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

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

Upper curve: STD of SATU Y axis

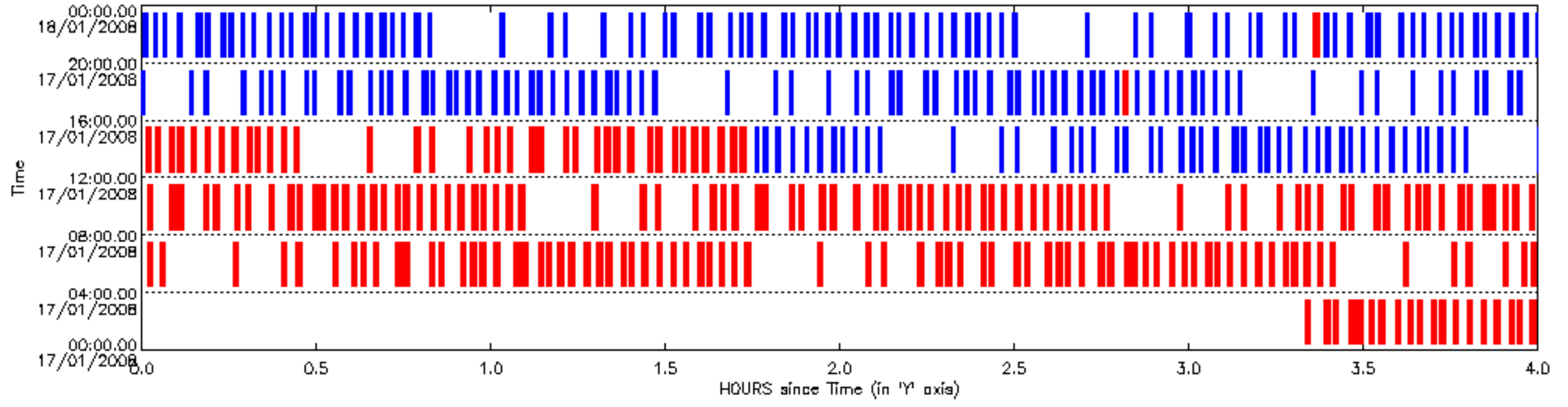
Lower curve: STD of SATU X axis

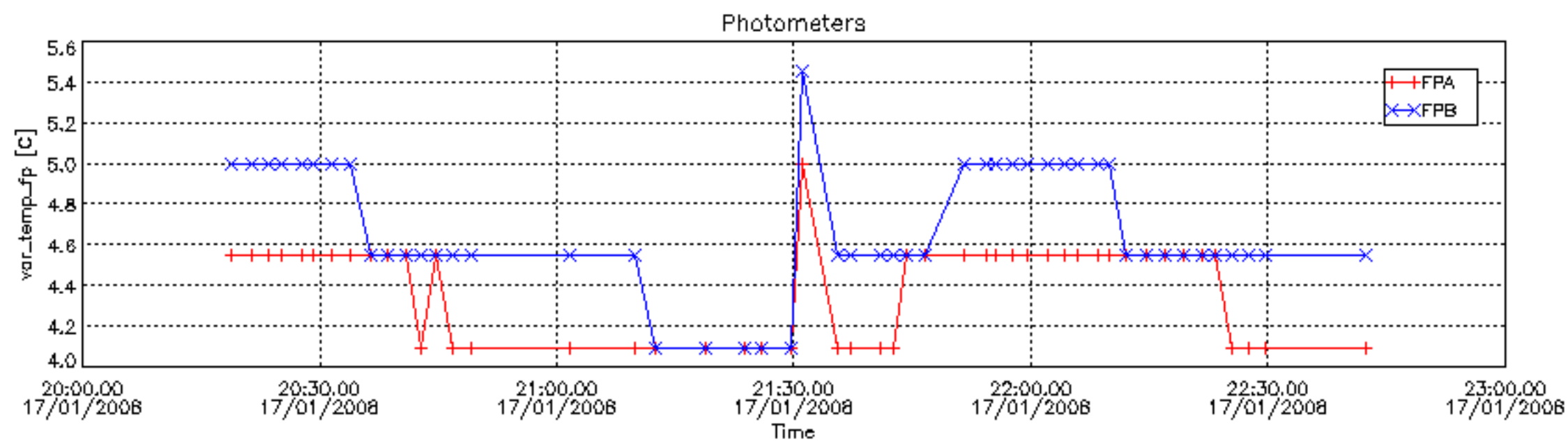
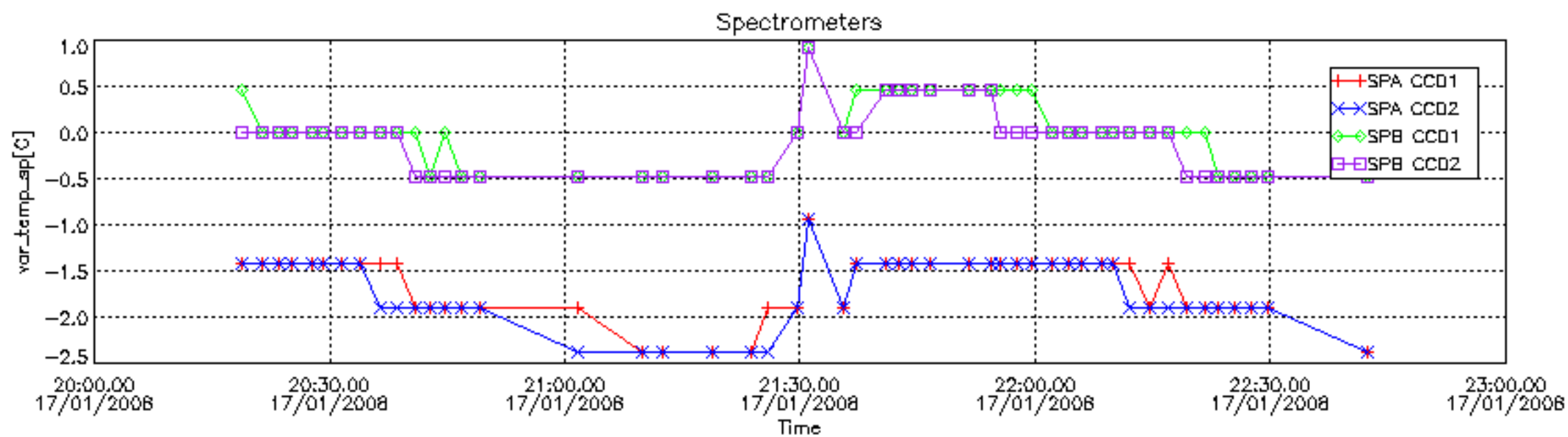


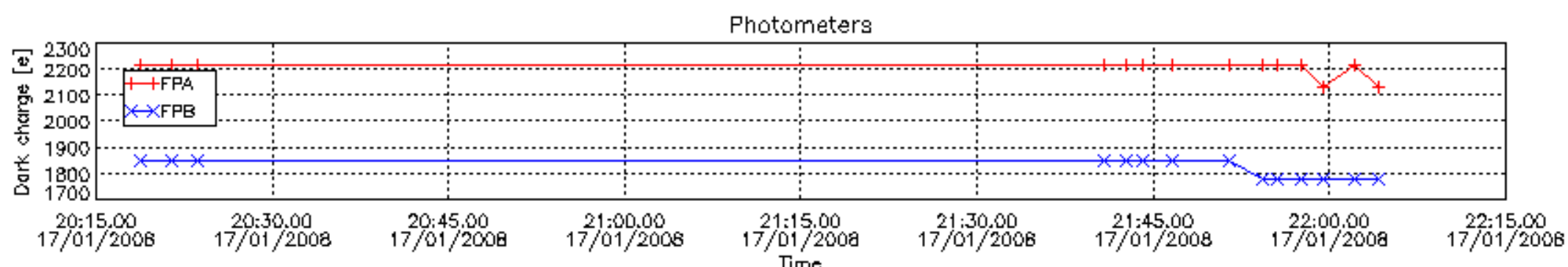
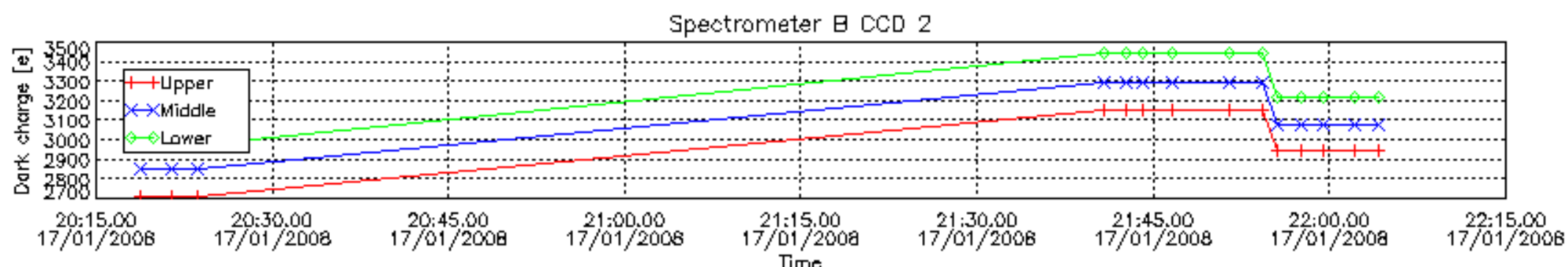
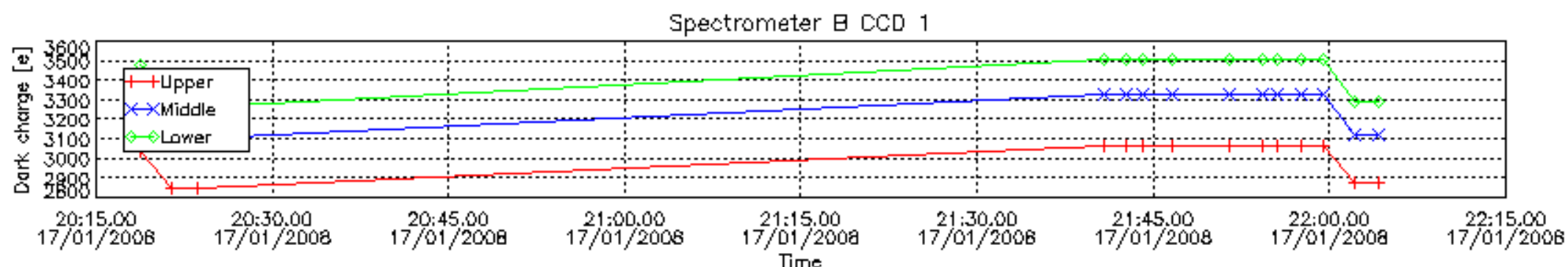
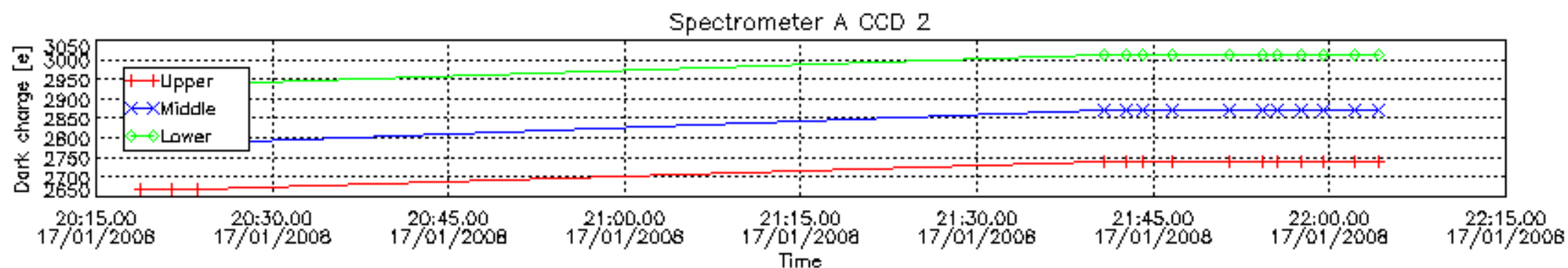
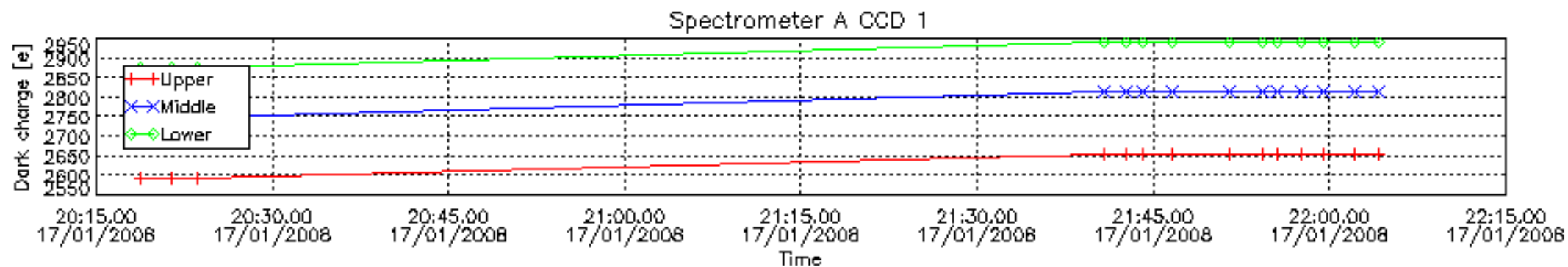
8. Auxiliary Data Files used for the production reported in section 2.4

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

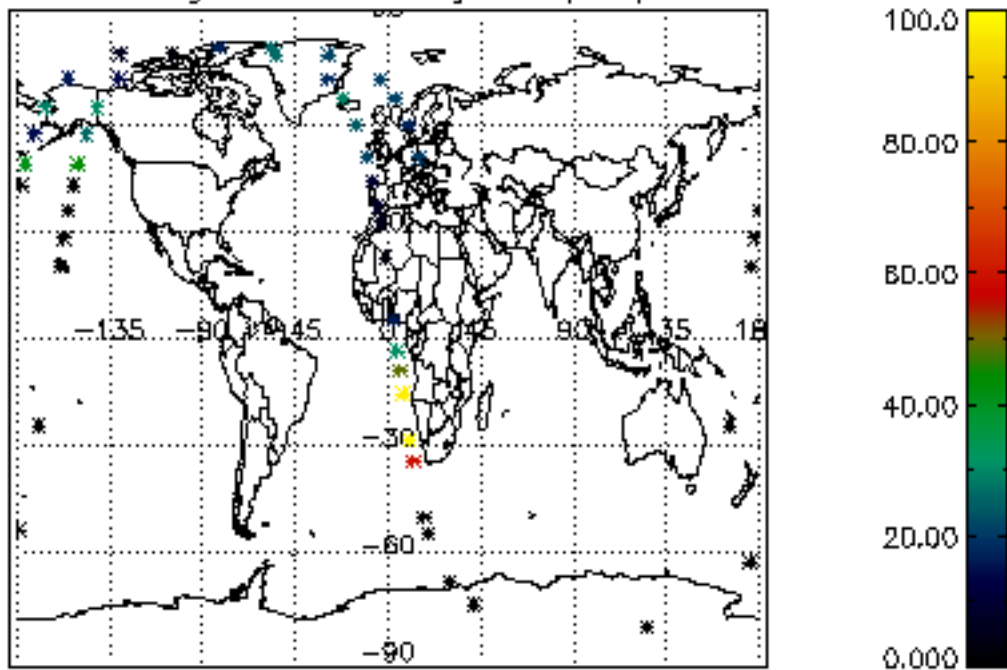
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	17-JAN-2008 20:18:48
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20080109_125406_20080107_000000_20100101_000000	1	17-JAN-2008 20:18:48
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	17-JAN-2008 20:18:48
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	17-JAN-2008 20:18:48
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	17-JAN-2008 20:18:48
ECMWF_FILE	AUX_ECF_AXNECM20080117_073111_20080117_150000_20080118_030000	1	17-JAN-2008 20:18:48
ECMWF_FILE	AUX_ECF_AXNECM20080117_073111_20080117_210000_20080118_090000	23	17-JAN-2008 21:31:02
OPTIONAL_ECMWF_FILE	MISSING	1	17-JAN-2008 20:18:48
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080117_201731_000038252065_00143_30758_4963.N1	1	17-JAN-2008 20:18:48



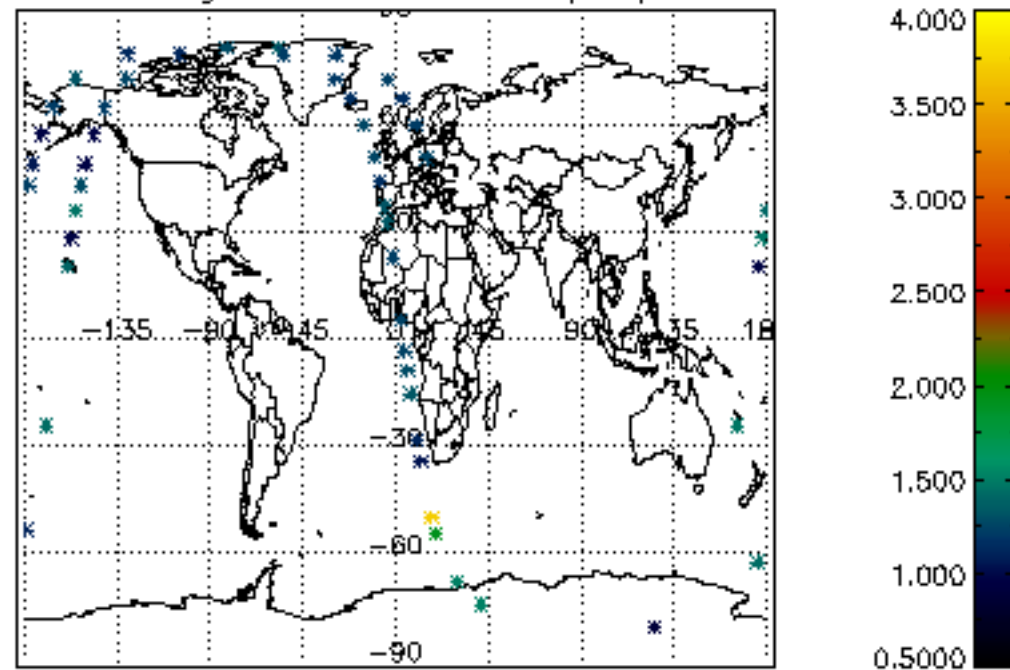




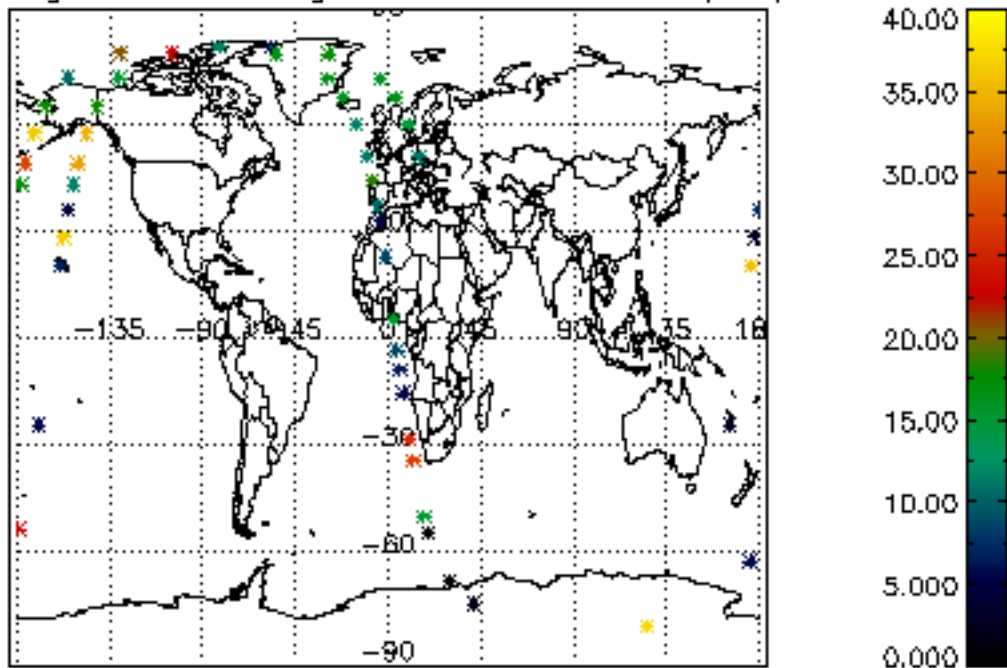
Percentage of cosmic ray hits per profile



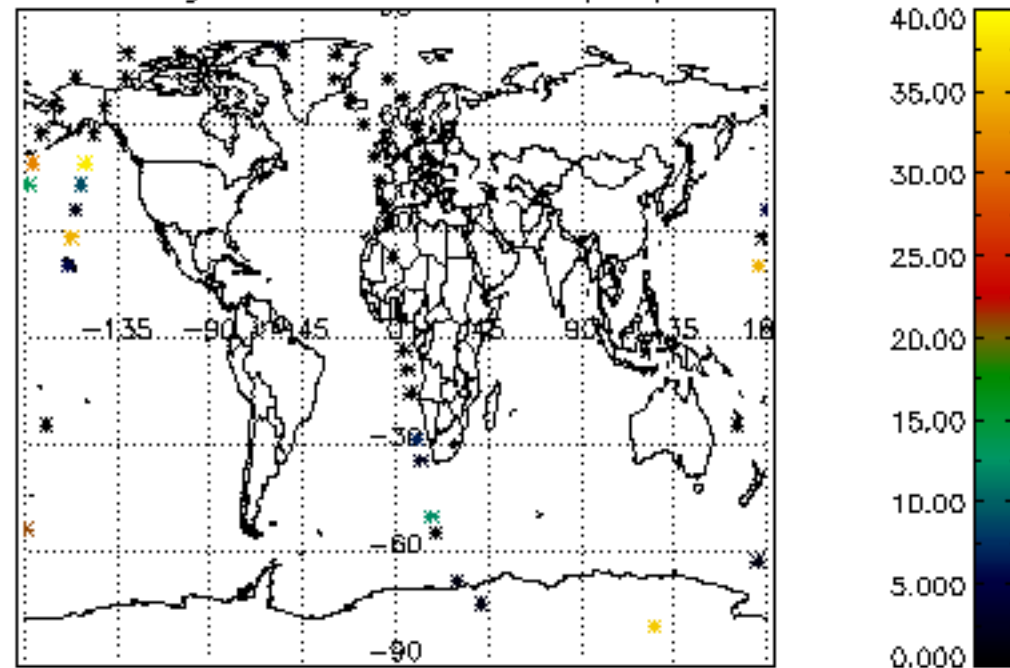
Percentage of datation errors per profile



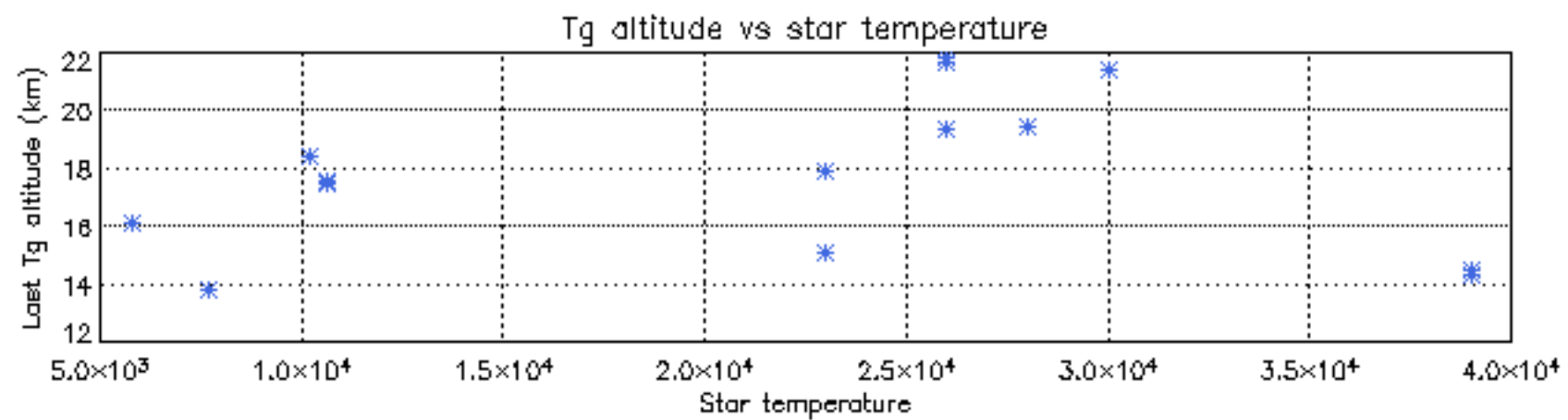
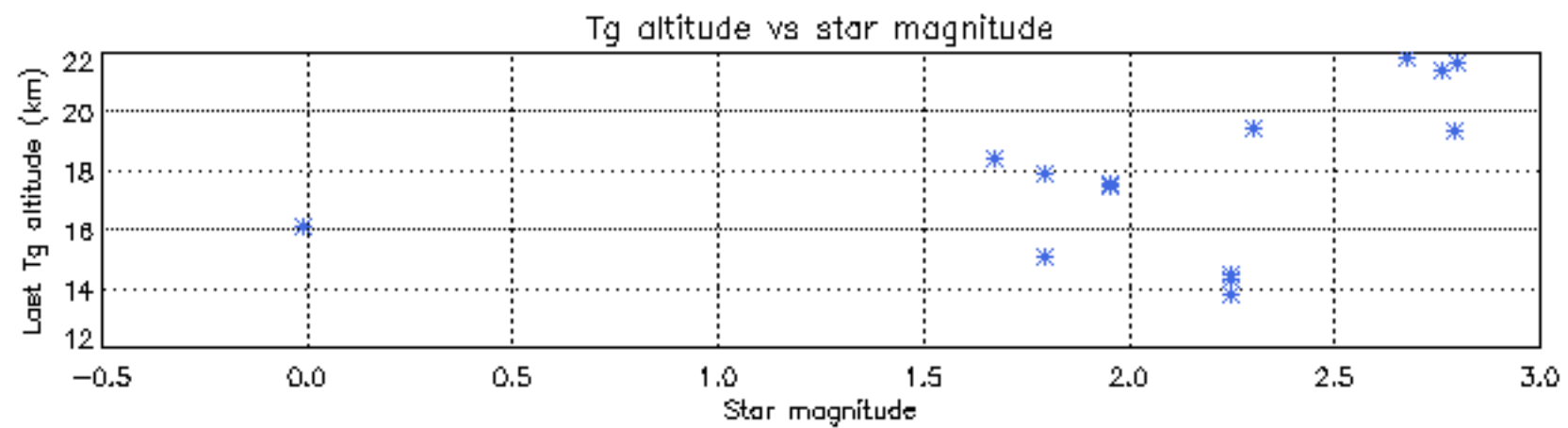
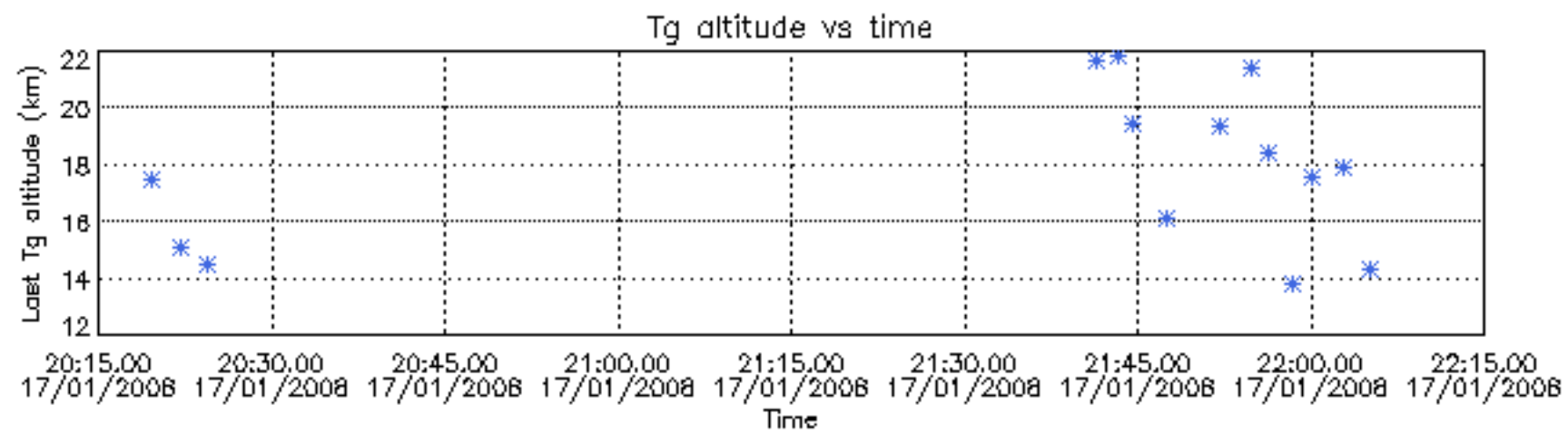
Percentage of star falling outside central band per profile



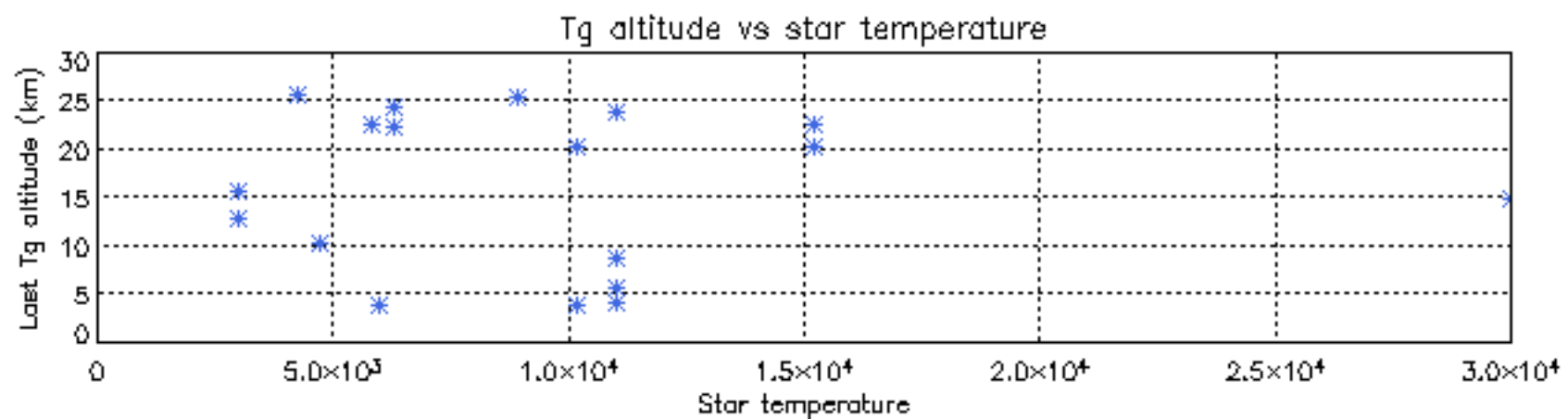
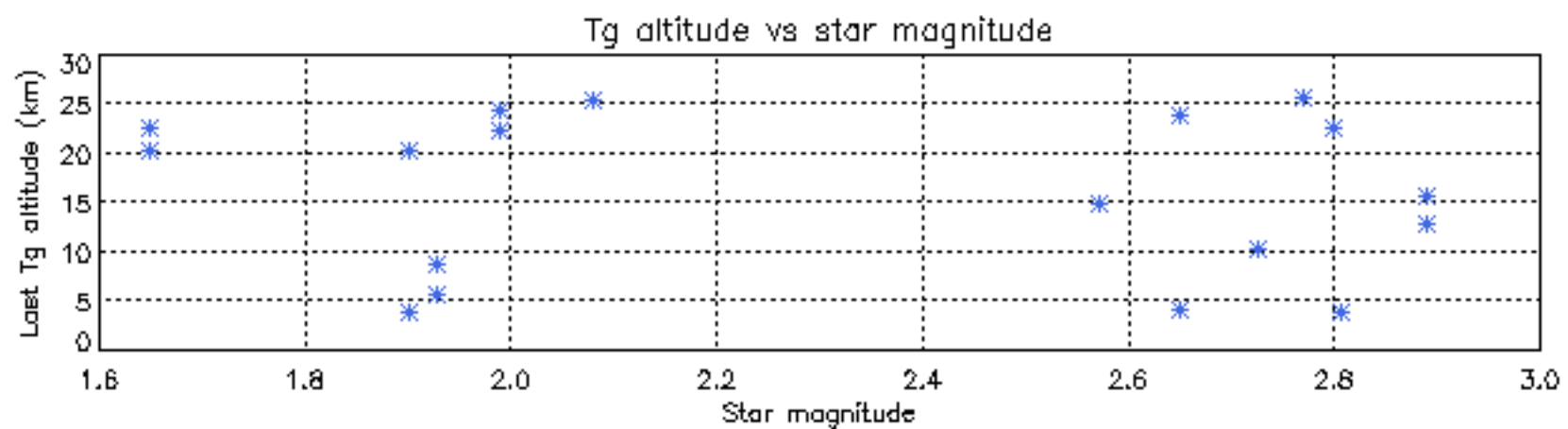
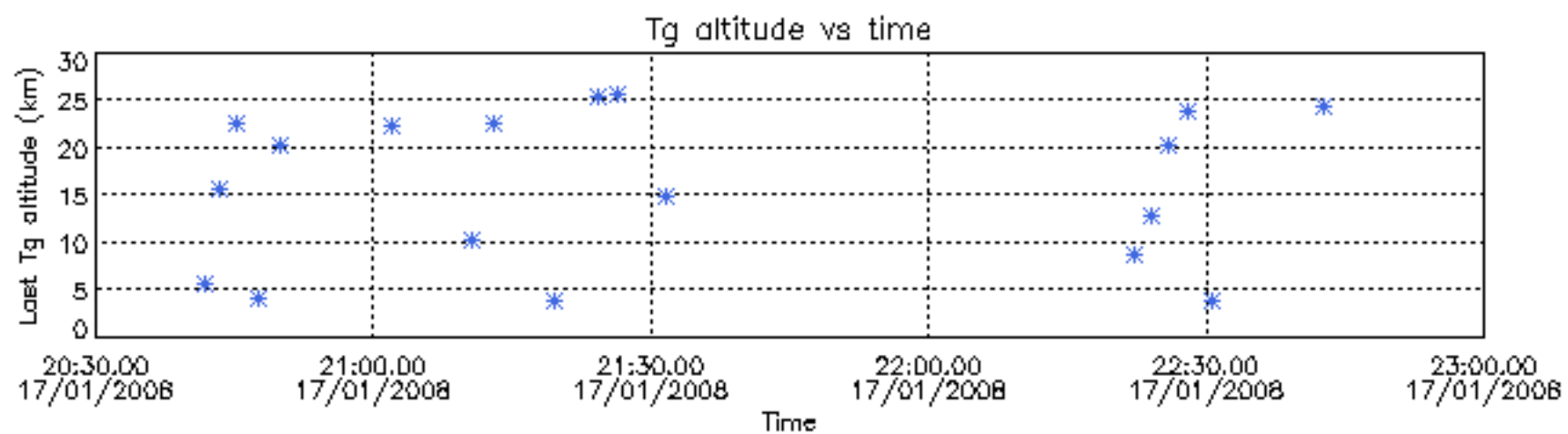
Percentage of saturation errors per profile



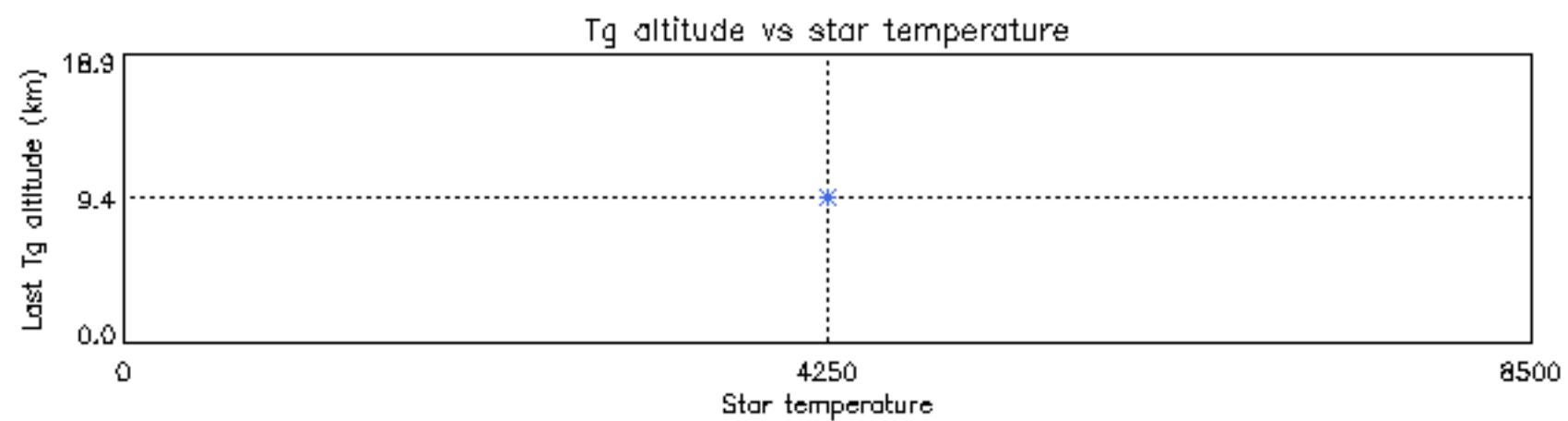
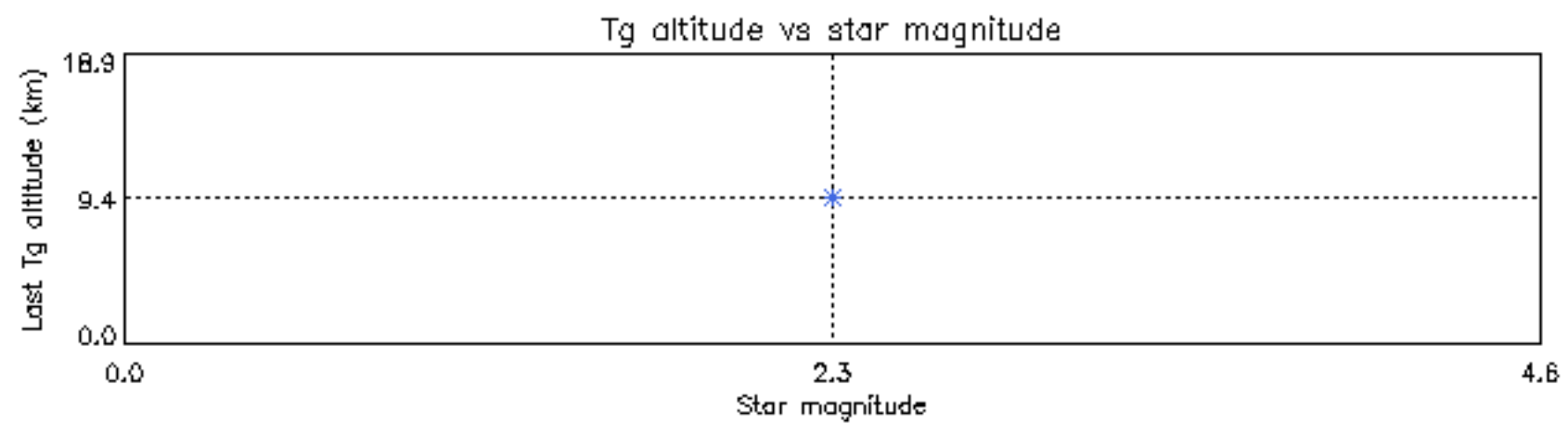
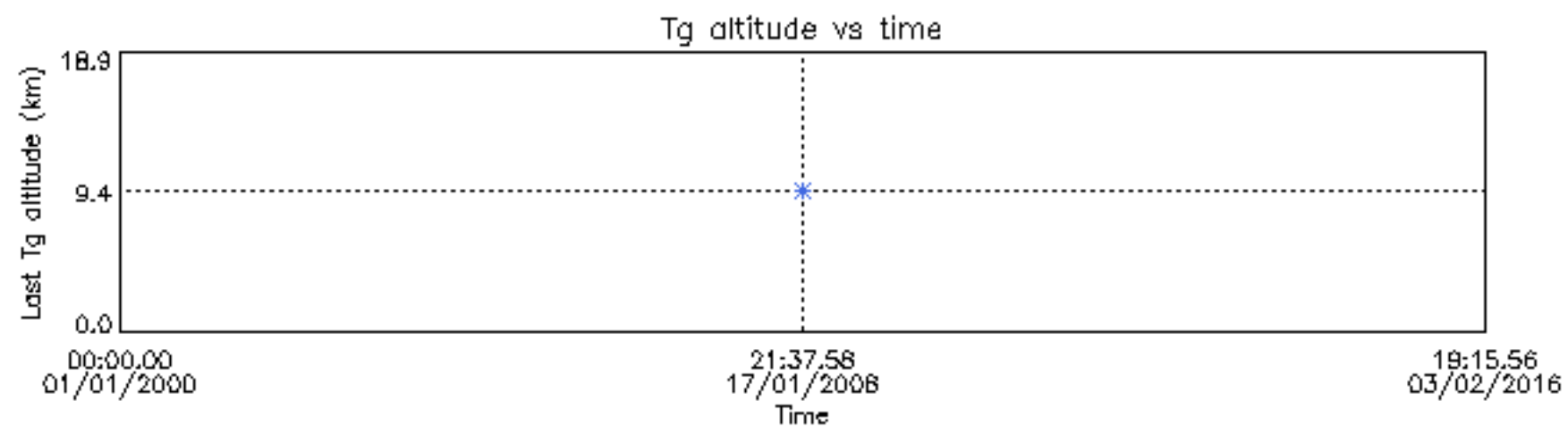
Tangent altitude at which the star is lost

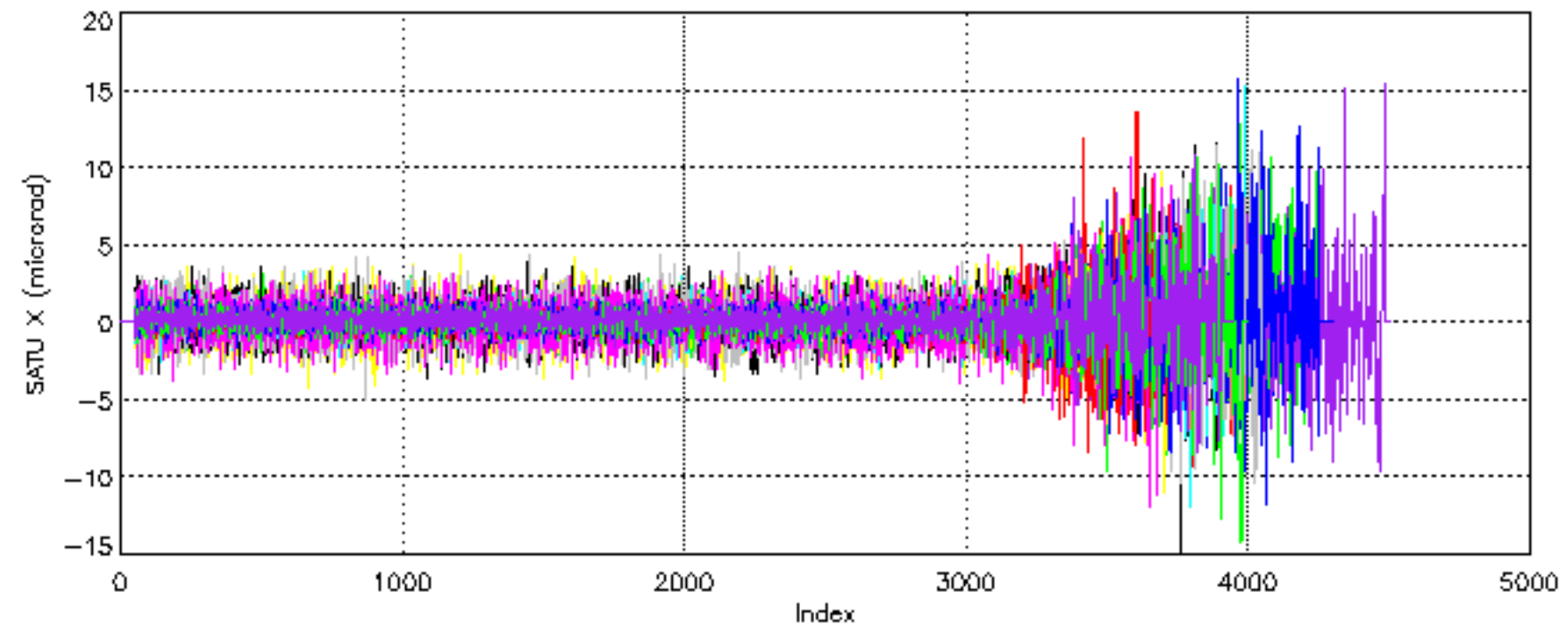


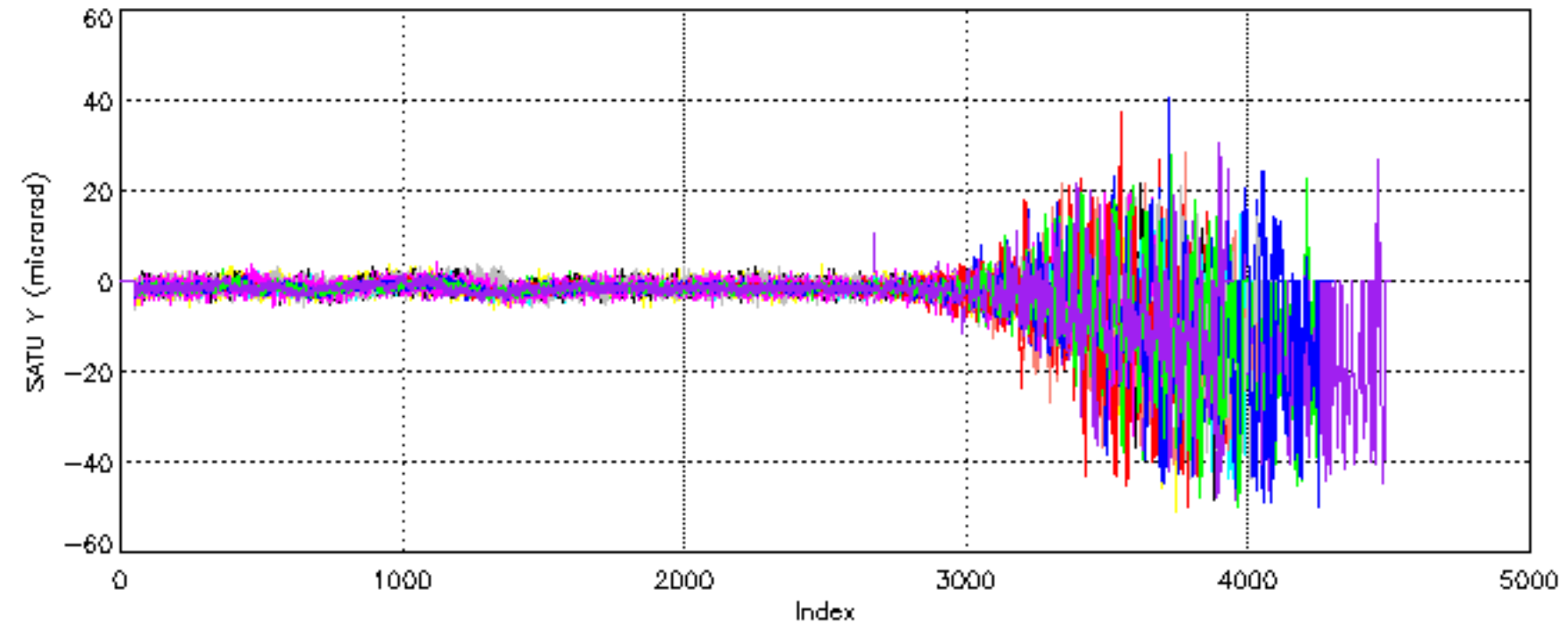
Tangent altitude at which the star is lost

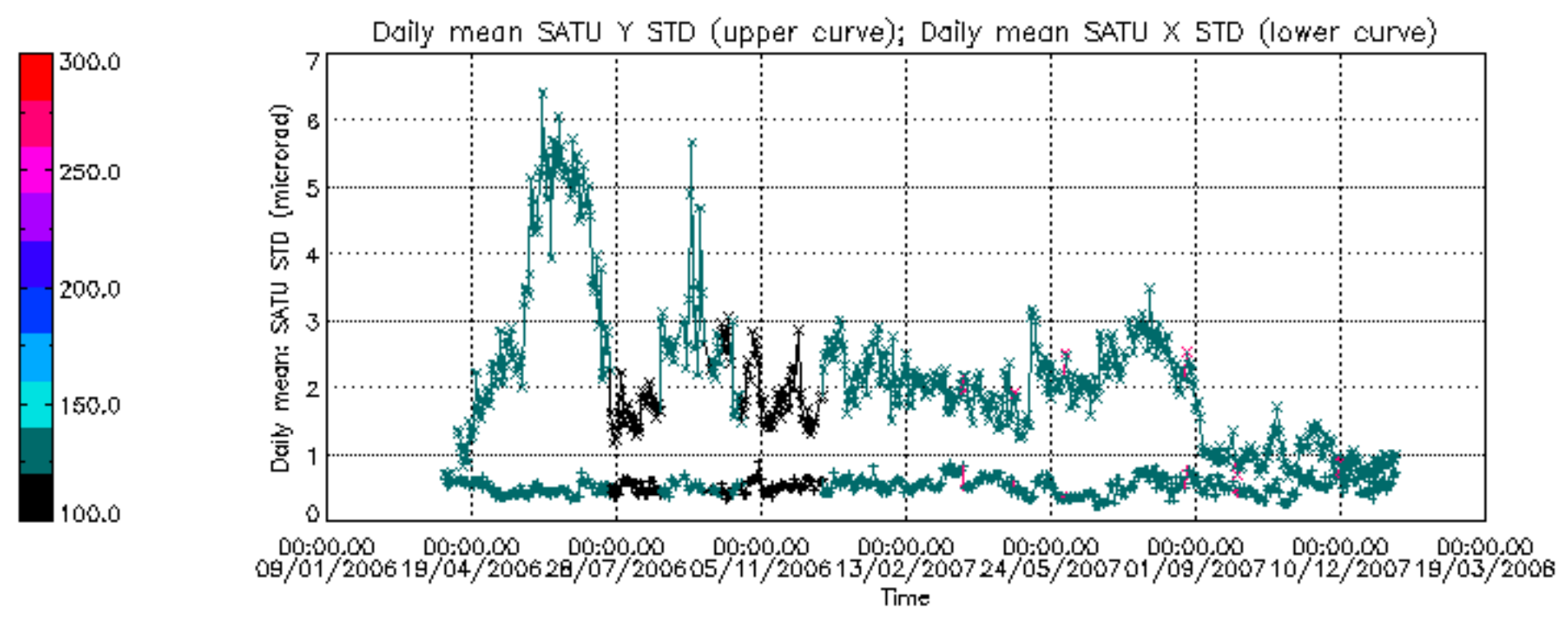


Tangent altitude at which the star is lost









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 3; -2.6; 01-JAN-2008 01:40:47; Dark ; 40.5; 4; Alp1Cen ; -0.01; 5800;occ; 81; 0;30517
 4; 226.4; 01-JAN-2008 01:44:36; Dark ; 42.0; 12; Alp1Cru ; 0.77; 30000;occ; 84; 0;30518
 5; 397.9; 01-JAN-2008 01:47:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;30518
 6; 545.2; 01-JAN-2008 01:49:54; Dark ; 39.0; 29; Bet Car ; 1.67; 10200;occ; 78; 0;30518
 7; 627.3; 01-JAN-2008 01:51:16; Dark ; 39.5; 71; Iot Car ; 2.25; 7700;occ; 79; 0;30518
 8; 723.1; 01-JAN-2008 01:52:52; Dark ; 52.0; 41; Eps Car ; 1.86; 4100;occ; 104; 0;30518
 9; 977.3; 01-JAN-2008 01:57:06; Dark ; 44.5; 2; Alp Car ; -0.74; 7000;occ; 89; 0;30518
 10; 1319.6; 01-JAN-2008 02:02:49; Dark ; 40.0; 108; Alp Col ; 2.65; 15200;occ; 80; 0;30518
 11; 1568.7; 01-JAN-2008 02:06:58; Dark ; 45.0; 47; 2Bet CMA ; 1.98; 28000;occ; 90; 0;30518
 12; 1769.0; 01-JAN-2008 02:10:18; Dark ; 46.5; 7; 19Bet Ori ; 0.10; 14000;occ; 93; 0;30518
 13; 1881.1; 01-JAN-2008 02:12:10; Dark ; 41.5; 30; 46Eps Ori ; 1.69; 30000;occ; 83; 0;30518
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 15; 2200.2; 01-JAN-2008 02:17:29; Dark ; 49.0; 13; 87Alp Tau ; 0.87; 3800;occ; 98; 0;30518
 16; 2398.1; 01-JAN-2008 02:20:47; Bright; 38.0; 28; 12Bet Tau ; 1.65; 15200;occ; 76; 0;30518
 17; 2472.5; 01-JAN-2008 02:22:02; Bright; 37.0; 114; 3Iot Aur ; 2.69; 4600;occ; 74; 0;30518
 18; 2611.4; 01-JAN-2008 02:24:20; Bright; 35.5; 149; 45Eps Per ; 2.89; 30000;occ; 71; 0;30518
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 2; -2114.2; 01-JAN-2008 02:46:11; Bright; 36.0; 119; 14Eta Dra ; 2.73; 4700;occ; 72; 0;30518
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 4; -1614.9; 01-JAN-2008 02:54:30; Bright; 34.0; 133; 40Zet Her ; 2.81; 6000;occ; 68; 0;30518
 5; -1490.9; 01-JAN-2008 02:56:34; Bright; 36.5; 67; 5Alp CrB ; 2.22; 11000;occ; 73; 0;30518
 6; -1147.0; 01-JAN-2008 03:02:18; Bright; 35.5; 102; 24Alp Ser ; 2.60; 4250;occ; 71; 0;30518
 7; -1007.4; 01-JAN-2008 03:04:38; Bright; 33.5; 120; 1Del Oph ; 2.73; 3200;occ; 67; 0;30518
 8; -844.1; 01-JAN-2008 03:07:21; Bright; 55.0; 104; 27Bet Lib ; 2.61; 13100;occ; 110; 0;30518
 9; -685.7; 01-JAN-2008 03:09:59; Dark ; 42.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 84; 0;30518
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 11; -194.3; 01-JAN-2008 03:18:11; Dark ; 37.0; 78; Alp Lup ; 2.30; 28000;occ; 74; 0;30518
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 14; 227.1; 01-JAN-2008 03:25:12; Dark ; 39.5; 12; Alp1Cru ; 0.77; 30000;occ; 79; 0;30519
 15; 398.2; 01-JAN-2008 03:28:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;30519
 16; 545.7; 01-JAN-2008 03:30:31; Dark ; 38.5; 29; Bet Car ; 1.67; 10200;occ; 77; 0;30519
 17; 627.8; 01-JAN-2008 03:31:53; Dark ; 44.0; 71; Iot Car ; 2.25; 7700;occ; 88; 0;30519
 18; 723.5; 01-JAN-2008 03:33:29; Dark ; 44.0; 41; Eps Car ; 1.86; 4100;occ; 88; 0;30519
 19; 977.7; 01-JAN-2008 03:37:43; Dark ; 50.5; 2; Alp Car ; -0.74; 7000;occ; 101; 0;30519
 20; 1319.9; 01-JAN-2008 03:43:25; Dark ; 38.5; 108; Alp Col ; 2.65; 15200;occ; 77; 0;30519
 21; 1569.0; 01-JAN-2008 03:47:34; Dark ; 45.5; 47; 2Bet CMA ; 1.98; 28000;occ; 91; 0;30519
 22; 1769.2; 01-JAN-2008 03:50:54; Dark ; 46.5; 7; 19Bet Ori ; 0.10; 14000;occ; 93; 0;30519
 23; 1881.4; 01-JAN-2008 03:52:46; Dark ; 41.0; 30; 46Eps Ori ; 1.69; 30000;occ; 82; 0;30519
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 26; 2398.0; 01-JAN-2008 04:01:23; Bright; 38.5; 28; 12Bet Tau ; 1.65; 15200;occ; 77; 0;30519
 27; 2472.6; 01-JAN-2008 04:02:38; Bright; 36.5; 114; 3Iot Aur ; 2.69; 4600;occ; 73; 0;30519
 28; 2611.7; 01-JAN-2008 04:04:57; Bright; 35.5; 149; 45Eps Per ; 2.89; 30000;occ; 71; 0;30519
 29; 2693.3; 01-JAN-2008 04:06:18; Bright; 40.5; 6; 13Alp Aur ; 0.08; 3400;occ; 81; 0;30519
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 12; -193.9; 01-JAN-2008 04:58:47; Dark ; 37.0; 78; Alp Lup ; 2.30; 28000;occ; 74; 0;30519
 13; -105.9; 01-JAN-2008 05:00:15; Dark ; 40.0; 95; Zet Cen ; 2.55; 26000;occ; 80; 0;30519
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19; 724.0; 01-JAN-2008 05:14:05; Dark ; 45.5; 41; Eps Car ; 1.86; 4100;occ; 91; 0;30520
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27; 2398.0; 01-JAN-2008 05:41:59; Bright; 37.5; 28; 12Bet Tau ; 1.65; 15200;occ; 75; 0;30520
28; 2472.6; 01-JAN-2008 05:43:14; Bright; 36.5; 114; 3Iot Aur ; 2.69; 4600;occ; 73; 0;30520
29; 2612.0; 01-JAN-2008 05:45:33; Bright; 34.0; 149; 45Eps Per ; 2.89; 30000;occ; 68; 0;30520
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7;-1006.9; 01-JAN-2008 06:25:50; Bright; 33.0; 120; 1Del Oph ; 2.73; 3200;occ; 66; 0;30520
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22; 1569.3; 01-JAN-2008 07:08:46; Dark ; 42.0; 47; 2Bet CMA ; 1.98; 28000;occ; 84; 0;30521
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6; 2472.7; 01-JAN-2008 07:23:50; Bright; 36.0; 114; 3Iot Aur ; 2.69; 4600;occ; 72; 0;30521
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12; 4048.1; 01-JAN-2008 07:50:05; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;30521
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23; 6034.7; 01-JAN-2008 08:23:12; Dark ; 41.0; 4; Alp1Cen ;-0.01; 5800;occ; 82; 0;30521
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25; 6435.0; 01-JAN-2008 08:29:52; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;30521
26; 6582.7; 01-JAN-2008 08:32:20; Dark ; 41.5; 29; Bet Car ; 1.67; 10200;occ; 83; 0;30521
27; 6665.5; 01-JAN-2008 08:33:43; Dark ; 43.0; 71; Iot Car ; 2.25; 7700;occ; 86; 0;30521

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 22; 2692.4; 01-JAN-2008 22:32:53; Bright; 39.0; 6; 13Alp Aur ; 0.08; 3400;occ; 78; 0;30530
 23; 3423.5; 01-JAN-2008 22:45:04; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;30530
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29; 7359.6; 02-JAN-2008 11:34:51; Dark ; 38.0; 108; Alp Col ; 2.65; 15200;occ; 76; 0;30537
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13; 4424.4; 02-JAN-2008 12:26:32; Bright; 34.0; 133; 40Zet Her ; 2.81; 6000;occ; 68; 0;30538

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 22; 6040.0; 02-JAN-2008 12:53:28; Dark ; 52.0; 4; Alp1Cen ; -0.01; 5800;occ; 104; 0;30538
 23; 6273.2; 02-JAN-2008 12:57:21; Dark ; 40.5; 12; Alp1Cru ; 0.77; 30000;occ; 81; 0;30538
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 27; 6768.4; 02-JAN-2008 13:05:36; Dark ; 41.0; 41; Eps Car ; 1.86; 4100;occ; 82; 0;30538
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13; 991.4; 04-JAN-2008 22:10:17; Dark ; 42.5; 2; Alp Car ; -0.74; 7000;occ; 85; 0;30573
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28; 4056.9; 04-JAN-2008 23:01:22; Bright; 34.5; 130; 23Bet Dra ; 2.80; 5800;occ; 69; 0;30573

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27; 4430.1; 05-JAN-2008 00:48:11; Bright; 52.0; 133; 40Zet Her ; 2.81; 6000;occ; 104; 0;30574
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7; 2558.4; 04-JAN-2008 07:31:00; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;30564
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26; 6598.4; 04-JAN-2008 10:18:56; Dark ; 39.0; 29; Bet Car ; 1.67; 10200;occ; 78; 0;30565
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13; 4055.8; 04-JAN-2008 11:17:10; Bright; 34.0; 130; 23Bet Dra ; 2.80; 5800;occ; 68; 0;30566
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24; 5959.9; 04-JAN-2008 11:48:54; Dark ; 40.0; 95; Zet Cen ; 2.55; 26000;occ; 80; 0;30566
25; 6049.3; 04-JAN-2008 11:50:23; Dark ; 45.0; 4; Alp1Cen ; -0.01; 5800;occ; 90; 0;30566
26; 6287.7; 04-JAN-2008 11:54:22; Dark ; 40.5; 12; Alp1Cru ; 0.77; 30000;occ; 81; 0;30566
27; 6448.1; 04-JAN-2008 11:57:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;30566
28; 6598.7; 04-JAN-2008 11:59:33; Dark ; 37.5; 29; Bet Car ; 1.67; 10200;occ; 75; 0;30566
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33; 7388.2; 04-JAN-2008 12:12:42; Dark ; 35.0; 23; 21Eps CMA ; 1.50; 26000;occ; 70; 0;30566
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6; 2395.4; 04-JAN-2008 12:30:05; Bright; 36.0; 28; 12Bet Tau ; 1.65; 15200;occ; 72; 0;30567
7; 2474.8; 04-JAN-2008 12:31:24; Bright; 35.5; 114; 3Iot Aur ; 2.69; 4600;occ; 71; 0;30567
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13; 4056.0; 04-JAN-2008 12:57:46; Bright; 48.0; 130; 23Bet Dra ; 2.80; 5800;occ; 96; 0;30567
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6; -75.4; 04-JAN-2008 13:29:30; Dark ; 40.0; 95; Zet Cen ; 2.55; 26000;occ; 80; 0;30567
7; 13.9; 04-JAN-2008 13:30:59; Dark ; 46.0; 4; Alp1Cen ; -0.01; 5800;occ; 92; 0;30568
8; 252.4; 04-JAN-2008 13:34:58; Dark ; 40.0; 12; Alp1Cru ; 0.77; 30000;occ; 80; 0;30568
9; 412.5; 04-JAN-2008 13:37:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;30568
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11; 654.1; 04-JAN-2008 13:41:40; Dark ; 39.5; 71; Iot Car ; 2.25; 7700;occ; 79; 0;30568
12; 745.0; 04-JAN-2008 13:43:11; Dark ; 39.0; 41; Eps Car ; 1.86; 4100;occ; 78; 0;30568
13; 990.3; 04-JAN-2008 13:47:16; Dark ; 46.5; 2; Alp Car ; -0.74; 7000;occ; 93; 0;30568
14; 1188.4; 04-JAN-2008 13:50:34; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;30568
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6; 2395.5; 04-JAN-2008 14:10:41; Bright; 38.0; 28; 12Bet Tau ; 1.65; 15200;occ; 76; 0;30568
7; 2474.9; 04-JAN-2008 14:12:00; Bright; 37.5; 114; 3Iot Aur ; 2.69; 4600;occ; 75; 0;30568
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19; 5315.2; 04-JAN-2008 14:59:21; Bright; 52.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 104; 0;30568
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21; 5691.5; 04-JAN-2008 15:05:37; Dark ; 39.0; 131; Gam Lup ; 2.80; 26000;occ; 78; 0;30568
22; 5776.1; 04-JAN-2008 15:07:02; Dark ; 37.5; 109; Bet Lup ; 2.68; 26000;occ; 75; 0;30568
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26; 6288.8; 04-JAN-2008 15:15:34; Dark ; 42.0; 12; Alp1Cru ; 0.77; 30000;occ; 84; 0;30568
27; 6448.8; 04-JAN-2008 15:18:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;30568
28; 6599.5; 04-JAN-2008 15:20:45; Dark ; 38.0; 29; Bet Car ; 1.67; 10200;occ; 76; 0;30568
29; 6690.5; 04-JAN-2008 15:22:16; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;30568
30; 6781.4; 04-JAN-2008 15:23:47; Dark ; 40.5; 41; Eps Car ; 1.86; 4100;occ; 81; 0;30568
31; 7026.4; 04-JAN-2008 15:27:52; Dark ; 46.0; 2; Alp Car ; -0.74; 7000;occ; 92; 0;30568
32; 7224.6; 04-JAN-2008 15:31:10; Dark ; 51.5; 117; Pi Pup ; 2.71; 3800;occ; 103; 0;30568
33; 7388.8; 04-JAN-2008 15:33:54; Dark ; 42.5; 23; 21Eps CMA ; 1.50; 26000;occ; 85; 0;30568

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6; 2209.1; 04-JAN-2008 15:48:11; Bright; 45.0; 13; 87Alp Tau ; 0.87; 3800;occ; 90; 0;30569
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23; 5776.5; 04-JAN-2008 16:47:38; Dark ; 37.5; 109; Bet Lup ; 2.68; 26000;occ; 75; 0;30569
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26; 6050.5; 04-JAN-2008 16:52:12; Dark ; 53.0; 4; Alp1Cen ; -0.01; 5800;occ; 106; 0;30569
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 15; 3924.1; 05-JAN-2008 20:46:57; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;30586
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 17; 4431.8; 05-JAN-2008 20:55:24; Bright; 35.5; 133; 40Zet Her ; 2.81; 6000;occ; 71; 0;30586
 18; 4609.8; 05-JAN-2008 20:58:22; Bright; 35.0; 127; 27Bet Her ; 2.78; 4700;occ; 70; 0;30586
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 8; 262.1; 05-JAN-2008 21:26:31; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;30587
 9; 418.0; 05-JAN-2008 21:29:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;30587
 10; 569.6; 05-JAN-2008 21:31:38; Dark ; 39.5; 29; Bet Car ; 1.67; 10200;occ; 79; 0;30587
 11; 663.7; 05-JAN-2008 21:33:12; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;30587
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 13; 994.6; 05-JAN-2008 21:38:43; Dark ; 50.5; 2; Alp Car ; -0.74; 7000;occ; 101; 0;30587
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 17; 1778.6; 05-JAN-2008 21:51:47; Dark ; 41.5; 7; 19Bet Ori ; 0.10; 14000;occ; 83; 0;30587
 18; 1886.4; 05-JAN-2008 21:53:35; Dark ; 41.0; 30; 46Eps Ori ; 1.69; 30000;occ; 82; 0;30587
 19; 2031.1; 05-JAN-2008 21:56:00; Dark ; 51.5; 14; 58Alp Ori ; 0.87; 3000;occ; 103; 0;30587
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 21; 2394.8; 05-JAN-2008 22:02:03; Bright; 38.0; 28; 12Bet Tau ; 1.65; 15200;occ; 76; 0;30587
 22; 2476.2; 05-JAN-2008 22:03:25; Bright; 37.0; 114; 3Iot Aur ; 2.69; 4600;occ; 74; 0;30587
 23; 2553.9; 05-JAN-2008 22:04:42; Bright; 36.5; 107; 37The Aur ; 2.65; 11000;occ; 73; 0;30587
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 27; 3924.2; 05-JAN-2008 22:27:33; Bright; 36.0; 119; 14Eta Dra ; 2.73; 4700;occ; 72; 0;30587
 28; 4058.9; 05-JAN-2008 22:29:47; Bright; 33.0; 130; 23Bet Dra ; 2.80; 5800;occ; 66; 0;30587
 29; 4431.8; 05-JAN-2008 22:36:00; Bright; 52.0; 133; 40Zet Her ; 2.81; 6000;occ; 104; 0;30587
 30; 4610.0; 05-JAN-2008 22:38:58; Bright; 34.5; 127; 27Bet Her ; 2.78; 4700;occ; 69; 0;30587
 31; 4911.0; 05-JAN-2008 22:43:59; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;30587
 32; 5046.5; 05-JAN-2008 22:46:15; Bright; 34.5; 120; 1Del Oph ; 2.73; 3200;occ; 69; 0;30587
 33; 5372.6; 05-JAN-2008 22:51:41; Dark ; 42.0; 80; 7Del Sco ; 2.32; 30000;occ; 84; 0;30587

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 2; -2112.0; 05-JAN-2008 07:22:09; Bright; 35.0; 119; 14Eta Dra ; 2.73; 4700;occ; 70; 0;30578
 3; -1978.3; 05-JAN-2008 07:24:23; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;30578
 4; -1605.3; 05-JAN-2008 07:30:36; Bright; 34.0; 133; 40Zet Her ; 2.81; 6000;occ; 68; 0;30578
 5; -1427.5; 05-JAN-2008 07:33:34; Bright; 34.0; 127; 27Bet Her ; 2.78; 4700;occ; 68; 0;30578
 6; -1128.0; 05-JAN-2008 07:38:33; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;30578
 7; -992.0; 05-JAN-2008 07:40:49; Bright; 34.5; 120; 1Del Oph ; 2.73; 3200;occ; 69; 0;30578
 8; -815.1; 05-JAN-2008 07:43:46; Bright; 42.5; 104; 27Bet Lib ; 2.61; 13100;occ; 85; 0;30578
 9; -717.8; 05-JAN-2008 07:45:23; Bright; 52.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 104; 0;30578
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 13; -165.8; 05-JAN-2008 07:54:35; Dark ; 40.5; 78; Alp Lup ; 2.30; 28000;occ; 81; 0;30578
 14; -68.2; 05-JAN-2008 07:56:13; Dark ; 42.0; 95; Zet Cen ; 2.55; 26000;occ; 84; 0;30578
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 3; 567.4; 05-JAN-2008 09:47:24; Dark ; 37.5; 29; Bet Car ; 1.67; 10200;occ; 75; 0;30580
 4; 660.2; 05-JAN-2008 09:48:57; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;30580
 5; 750.0; 05-JAN-2008 09:50:27; Dark ; 48.0; 41; Eps Car ; 1.86; 4100;occ; 96; 0;30580
 6; 993.1; 05-JAN-2008 09:54:30; Dark ; 44.5; 2; Alp Car ; -0.74; 7000;occ; 89; 0;30580
 7; 1192.4; 05-JAN-2008 09:57:49; Dark ; 45.5; 117; Pi Pup ; 2.71; 3800;occ; 91; 0;30580
 8; 1355.7; 05-JAN-2008 10:00:33; Dark ; 27.0; 23; 21Eps CMA ; 1.50; 26000;occ; 54; 0;30580
 9; 1577.5; 05-JAN-2008 10:04:14; Dark ; 43.5; 47; 2Bet CMA ; 1.98; 28000;occ; 87; 0;30580
 10; 1777.8; 05-JAN-2008 10:07:35; Dark ; 10.0; 7; 19Bet Ori ; 0.10; 14000;occ; 20; 0;30580

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 3; 2031.3; 05-JAN-2008 10:11:48; Dark ; 47.0; 14; 58Alp Ori ; 0.87; 3000;occ; 94; 0;30580
 4; 2211.3; 05-JAN-2008 10:14:48; Bright; 49.5; 13; 87Alp Tau ; 0.87; 3800;occ; 99; 0;30580
 5; 2395.1; 05-JAN-2008 10:17:52; Bright; 36.5; 28; 12Bet Tau ; 1.65; 15200;occ; 73; 0;30580
 6; 2475.7; 05-JAN-2008 10:19:13; Bright; 36.5; 114; 3Iot Aur ; 2.69; 4600;occ; 73; 0;30580
 7; 2555.1; 05-JAN-2008 10:20:32; Bright; 36.0; 107; 37The Aur ; 2.65; 11000;occ; 72; 0;30580
 8; 2689.7; 05-JAN-2008 10:22:47; Bright; 39.0; 6; 13Alp Aur ; 0.08; 3400;occ; 78; 0;30580
 9; 3423.9; 05-JAN-2008 10:35:01; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;30580
 10; 3685.0; 05-JAN-2008 10:39:22; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;30580
 11; 3924.0; 05-JAN-2008 10:43:21; Bright; 36.0; 119; 14Eta Dra ; 2.73; 4700;occ; 72; 0;30580
 12; 4057.9; 05-JAN-2008 10:45:35; Bright; 50.5; 130; 23Bet Dra ; 2.80; 5800;occ; 101; 0;30580
 13; 4431.0; 05-JAN-2008 10:51:48; Bright; 47.0; 133; 40Zet Her ; 2.81; 6000;occ; 94; 0;30580
 14; 4608.9; 05-JAN-2008 10:54:46; Bright; 34.0; 127; 27Bet Her ; 2.78; 4700;occ; 68; 0;30580
 15; 4908.5; 05-JAN-2008 10:59:45; Bright; 37.0; 102; 24Alp Ser ; 2.60; 4250;occ; 74; 0;30580
 16; 5044.6; 05-JAN-2008 11:02:02; Bright; 34.5; 120; 1Del Oph ; 2.73; 3200;occ; 69; 0;30580
 17; 5221.7; 05-JAN-2008 11:04:59; Bright; 43.0; 104; 27Bet Lib ; 2.61; 13100;occ; 86; 0;30580
 18; 5318.8; 05-JAN-2008 11:06:36; Bright; 43.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 87; 0;30580
 19; 5428.4; 05-JAN-2008 11:08:25; Dark ; 37.5; 158; 6Pi Sco ; 2.91; 28000;occ; 75; 0;30580
 20; 5695.6; 05-JAN-2008 11:12:52; Dark ; 37.0; 131; Gam Lup ; 2.80; 26000;occ; 74; 0;30580
 21; 5781.7; 05-JAN-2008 11:14:19; Dark ; 37.5; 109; Bet Lup ; 2.68; 26000;occ; 75; 0;30580
 22; 5871.0; 05-JAN-2008 11:15:48; Dark ; 38.5; 78; Alp Lup ; 2.30; 28000;occ; 77; 0;30580
 23; 5968.9; 05-JAN-2008 11:17:26; Dark ; 40.5; 95; Zet Cen ; 2.55; 26000;occ; 81; 0;30580
 24; 6054.1; 05-JAN-2008 11:18:51; Dark ; 47.5; 4; Alp1Cen ; -0.01; 5800;occ; 95; 0;30580
 25; 6295.0; 05-JAN-2008 11:22:52; Dark ; 39.5; 12; Alp1Cru ; 0.77; 30000;occ; 79; 0;30580
 26; 6452.1; 05-JAN-2008 11:25:29; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;30580
 27; 6603.6; 05-JAN-2008 11:28:00; Dark ; 38.5; 29; Bet Car ; 1.67; 10200;occ; 77; 0;30580
 28; 6696.6; 05-JAN-2008 11:29:33; Dark ; 44.5; 71; Iot Car ; 2.25; 7700;occ; 89; 0;30580
 29; 6786.3; 05-JAN-2008 11:31:03; Dark ; 48.5; 41; Eps Car ; 1.86; 4100;occ; 97; 0;30580
 30; 7029.2; 05-JAN-2008 11:35:06; Dark ; 37.5; 2; Alp Car ; -0.74; 7000;occ; 75; 0;30580
 31; 7228.7; 05-JAN-2008 11:38:26; Dark ; 48.5; 117; Pi Pup ; 2.71; 3800;occ; 97; 0;30580
 32; 7391.8; 05-JAN-2008 11:41:09; Dark ; 27.0; 23; 21Eps CMa ; 1.50; 26000;occ; 54; 0;30580
 33; 7613.6; 05-JAN-2008 11:44:50; Dark ; 29.0; 47; 2Bet CMa ; 1.98; 28000;occ; 58; 0;30580

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 3; 1885.9; 05-JAN-2008 11:49:59; Dark ; 42.0; 30; 46Eps Ori ; 1.69; 30000;occ; 84; 0;30581
 4; 2031.2; 05-JAN-2008 11:52:24; Dark ; 44.0; 14; 58Alp Ori ; 0.87; 3000;occ; 88; 0;30581
 5; 2211.5; 05-JAN-2008 11:55:24; Bright; 42.5; 13; 87Alp Tau ; 0.87; 3800;occ; 85; 0;30581
 6; 2395.2; 05-JAN-2008 11:58:28; Bright; 37.5; 28; 12Bet Tau ; 1.65; 15200;occ; 75; 0;30581
 7; 2475.8; 05-JAN-2008 11:59:49; Bright; 36.0; 114; 3Iot Aur ; 2.69; 4600;occ; 72; 0;30581
 8; 2555.0; 05-JAN-2008 12:01:08; Bright; 38.0; 107; 37The Aur ; 2.65; 11000;occ; 76; 0;30581
 9; 2689.6; 05-JAN-2008 12:03:22; Bright; 39.5; 6; 13Alp Aur ; 0.08; 3400;occ; 79; 0;30581
 10; 3423.8; 05-JAN-2008 12:15:37; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;30581
 11; 3684.9; 05-JAN-2008 12:19:58; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;30581
 12; 3924.0; 05-JAN-2008 12:23:57; Bright; 11.5; 119; 14Eta Dra ; 2.73; 4700;occ; 23; 0;30581

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 2; -1977.8; 05-JAN-2008 12:26:11; Bright; 52.0; 130; 23Bet Dra ; 2.80; 5800;occ; 104; 0;30581
 3; -1604.7; 05-JAN-2008 12:32:24; Bright; 34.5; 133; 40Zet Her ; 2.81; 6000;occ; 69; 0;30581
 4; -1426.9; 05-JAN-2008 12:35:22; Bright; 34.5; 127; 27Bet Her ; 2.78; 4700;occ; 69; 0;30581
 5; -1126.9; 05-JAN-2008 12:40:22; Bright; 55.0; 102; 24Alp Ser ; 2.60; 4250;occ; 110; 0;30581
 6; -990.9; 05-JAN-2008 12:42:38; Bright; 34.0; 120; 1Del Oph ; 2.73; 3200;occ; 68; 0;30581
 7; -813.6; 05-JAN-2008 12:45:35; Bright; 40.0; 104; 27Bet Lib ; 2.61; 13100;occ; 80; 0;30581
 8; -716.7; 05-JAN-2008 12:47:12; Bright; 18.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 36; 0;30581

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 3; -339.8; 05-JAN-2008 12:53:29; Dark ; 37.5; 131; Gam Lup ; 2.80; 26000;occ; 75; 0;30581
 4; -253.7; 05-JAN-2008 12:54:55; Dark ; 38.5; 109; Bet Lup ; 2.68; 26000;occ; 77; 0;30581
 5; -164.3; 05-JAN-2008 12:56:24; Dark ; 38.0; 78; Alp Lup ; 2.30; 28000;occ; 76; 0;30581
 6; -66.2; 05-JAN-2008 12:58:02; Dark ; 40.5; 95; Zet Cen ; 2.55; 26000;occ; 81; 0;30581
 7; 18.6; 05-JAN-2008 12:59:27; Dark ; 45.5; 4; Alp1Cen ; -0.01; 5800;occ; 91; 0;30582
 8; 259.6; 05-JAN-2008 13:03:28; Dark ; 39.0; 12; Alp1Cru ; 0.77; 30000;occ; 78; 0;30582
 9; 416.6; 05-JAN-2008 13:06:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;30582
 10; 568.0; 05-JAN-2008 13:08:37; Dark ; 38.0; 29; Bet Car ; 1.67; 10200;occ; 76; 0;30582
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 3; 1886.0; 05-JAN-2008 13:30:35; Dark ; 39.0; 30; 46Eps Ori ; 1.69; 30000;occ; 78; 0;30582
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 5; 2211.7; 05-JAN-2008 13:36:00; Bright; 43.0; 13; 87Alp Tau ; 0.87; 3800;occ; 86; 0;30582
 6; 2395.0; 05-JAN-2008 13:39:04; Bright; 38.5; 28; 12Bet Tau ; 1.65; 15200;occ; 77; 0;30582
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10; 3423.9; 05-JAN-2008 13:56:13; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;30582
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13; 4058.4; 05-JAN-2008 14:06:47; Bright; 52.0; 130; 23Bet Dra ; 2.80; 5800;occ; 104; 0;30582
14; 4431.4; 05-JAN-2008 14:13:00; Bright; 34.5; 133; 40Zet Her ; 2.81; 6000;occ; 69; 0;30582
15; 4609.3; 05-JAN-2008 14:15:58; Bright; 34.0; 127; 27Bet Her ; 2.78; 4700;occ; 68; 0;30582
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19; 5371.1; 05-JAN-2008 14:28:40; Dark ; 40.0; 80; 7Del Sco ; 2.32; 30000;occ; 80; 0;30582
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21; 5782.7; 05-JAN-2008 14:35:31; Dark ; 37.5; 109; Bet Lup ; 2.68; 26000;occ; 75; 0;30582
22; 5872.2; 05-JAN-2008 14:37:01; Dark ; 37.0; 78; Alp Lup ; 2.30; 28000;occ; 74; 0;30582
23; 5970.4; 05-JAN-2008 14:38:39; Dark ; 39.5; 95; Zet Cen ; 2.55; 26000;occ; 79; 0;30582
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 6; 2395.0; 06-JAN-2008 09:46:15; Bright; 36.5; 28; 12Bet Tau ; 1.65; 15200;occ; 73; 0;30594
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 8; 2689.6; 06-JAN-2008 09:51:09; Bright; 40.0; 6; 13Alp Aur ; 0.08; 3400;occ; 80; 0;30594
 9; 3424.0; 06-JAN-2008 10:03:24; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;30594
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11; 3924.3; 06-JAN-2008 10:11:44; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;30594
12; 4060.1; 06-JAN-2008 10:14:00; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;30594
13; 4433.2; 06-JAN-2008 10:20:13; Bright; 41.0; 133; 40Zet Her ; 2.81; 6000;occ; 82; 0;30594
14; 4611.6; 06-JAN-2008 10:23:12; Bright; 34.5; 127; 27Bet Her ; 2.78; 4700;occ; 69; 0;30594
15; 4913.5; 06-JAN-2008 10:28:13; Bright; 56.0; 102; 24Alp Ser ; 2.60; 4250;occ; 112; 0;30594
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19; 5788.8; 06-JAN-2008 10:42:49; Dark ; 39.0; 109; Bet Lup ; 2.68; 26000;occ; 78; 0;30594
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22; 6302.5; 06-JAN-2008 10:51:22; Dark ; 39.5; 12; Alp1Cru ; 0.77; 30000;occ; 79; 0;30594
23; 6456.2; 06-JAN-2008 10:53:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;30594
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25; 6703.8; 06-JAN-2008 10:58:04; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;30594
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27; 7032.6; 06-JAN-2008 11:03:33; Dark ; 47.0; 2; Alp Car ; -0.74; 7000;occ; 94; 0;30594
28; 7233.2; 06-JAN-2008 11:06:53; Dark ; 46.0; 117; Pi Pup ; 2.71; 3800;occ; 92; 0;30594
29; 7395.3; 06-JAN-2008 11:09:35; Dark ; 44.0; 23; 21Eps CMA ; 1.50; 26000;occ; 88; 0;30594
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 5; 2268.1; 06-JAN-2008 11:24:44; Bright; 36.0; 176; 23Zet Tau ; 3.02; 22000;occ; 72; 0;30595
 6; 2395.0; 06-JAN-2008 11:26:51; Bright; 36.0; 28; 12Bet Tau ; 1.65; 15200;occ; 72; 0;30595
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 9; 3424.0; 06-JAN-2008 11:44:00; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;30595
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11; 3924.4; 06-JAN-2008 11:52:20; Bright; 53.0; 119; 14Eta Dra ; 2.73; 4700;occ; 106; 0;30595
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13; 4433.4; 06-JAN-2008 12:00:49; Bright; 35.5; 133; 40Zet Her ; 2.81; 6000;occ; 71; 0;30595
14; 4611.7; 06-JAN-2008 12:03:48; Bright; 40.0; 127; 27Bet Her ; 2.78; 4700;occ; 80; 0;30595
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19; 5789.3; 06-JAN-2008 12:23:25; Dark ; 39.0; 109; Bet Lup ; 2.68; 26000;occ; 78; 0;30595
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21; 6059.5; 06-JAN-2008 12:27:55; Dark ; 50.5; 4; Alp1Cen ; -0.01; 5800;occ; 101; 0;30595
22; 6303.0; 06-JAN-2008 12:31:59; Dark ; 40.0; 12; Alp1Cru ; 0.77; 30000;occ; 80; 0;30595
23; 6456.4; 06-JAN-2008 12:34:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;30595
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28; 7233.5; 06-JAN-2008 12:47:29; Dark ; 45.0; 117; Pi Pup ; 2.71; 3800;occ; 90; 0;30595
29; 7395.6; 06-JAN-2008 12:50:11; Dark ; 42.5; 23; 21Eps CMA ; 1.50; 26000;occ; 85; 0;30595
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6; 2395.1; 06-JAN-2008 13:07:27; Bright; 36.5; 28; 12Bet Tau ; 1.65; 15200;occ; 73; 0;30596
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16; 5375.9; 06-JAN-2008 13:57:08; Dark ; 39.0; 80; 7Del Sco ; 2.32; 30000;occ; 78; 0;30596
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21; 6303.6; 06-JAN-2008 14:12:35; Dark ; 42.5; 12; Alp1Cru ; 0.77; 30000;occ; 85; 0;30596
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24; 6704.9; 06-JAN-2008 14:19:17; Dark ; 39.5; 71; Iot Car ; 2.25; 7700;occ; 79; 0;30596
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12; 3924.5; 06-JAN-2008 15:13:32; Bright; 35.0; 119; 14Eta Dra ; 2.73; 4700;occ; 70; 0;30597
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18; 5376.5; 06-JAN-2008 15:37:44; Dark ; 39.0; 80; 7Del Sco ; 2.32; 30000;occ; 78; 0;30597
19; 5702.2; 06-JAN-2008 15:43:10; Dark ; 38.0; 131; Gam Lup ; 2.80; 26000;occ; 76; 0;30597
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21; 5880.1; 06-JAN-2008 15:46:08; Dark ; 39.5; 78; Alp Lup ; 2.30; 28000;occ; 79; 0;30597
22; 6060.3; 06-JAN-2008 15:49:08; Dark ; 48.5; 4; Alp1Cen ; -0.01; 5800;occ; 97; 0;30597
23; 6304.2; 06-JAN-2008 15:53:12; Dark ; 45.5; 12; Alp1Cru ; 0.77; 30000;occ; 91; 0;30597
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 10; 3424.0; 06-JAN-2008 16:45:48; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;30598
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 13; 4060.9; 06-JAN-2008 16:56:24; Bright; 36.5; 130; 23Bet Dra ; 2.80; 5800;occ; 73; 0;30598
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9; 3424.4; 09-JAN-2008 10:09:09; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;30637
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13; 4439.6; 09-JAN-2008 10:26:05; Bright; 35.5; 133; 40Zet Her ; 2.81; 6000;occ; 71; 0;30637
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 27; 6328.1; 09-JAN-2008 19:20:33; Dark ; 40.0; 12; Alp1Cru ; 0.77; 30000;occ; 80; 0;30642
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 32; 7043.3; 09-JAN-2008 19:32:28; Dark ; 31.0; 2; Alp Car ; -0.74; 7000;occ; 62; 0;30642

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22; 2678.4; 09-JAN-2008 23:21:31; Bright; 36.5; 42; 34Bet Aur ; 1.90; 10200;occ; 73; 0;30645
23; 3424.4; 09-JAN-2008 23:33:57; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;30645
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27; 4441.1; 10-JAN-2008 01:31:29; Bright; 53.0; 133; 40Zet Her ; 2.81; 6000;occ; 106; 0;30646
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32; 7412.5; 11-JAN-2008 13:33:35; Dark ; 43.5; 23; 21Eps CMa ; 1.50; 26000;occ; 87; 0;30667
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13;	3922.6;	15-JAN-2008	15:30:45;	Bright;	37.5;	119;	14Eta Dra	; 2.73;	4700;occ;	75;	0;	30726
14;	4076.5;	15-JAN-2008	15:33:19;	Bright;	37.0;	130;	23Bet Dra	; 2.80;	5800;occ;	74;	0;	30726
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19;	5178.4;	15-JAN-2008	15:51:41;	Bright;	53.0;	98;	13Zet Oph	; 2.57;	30000;occ;	106;	0;	30726
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31;	7042.2;	15-JAN-2008	16:22:45;	Dark	; 45.0;	34;	Gam2Vel	; 1.79;	23000;occ;	90;	0;	30726
32;	7171.0;	15-JAN-2008	16:24:53;	Dark	; 41.0;	70;	Zet Pup	; 2.25;	39000;occ;	82;	0;	30726
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4;	1389.7;	15-JAN-2008	19:50:20;	Dark	; 42.0;	23;	21Eps CMa	; 1.50;	26000;occ;	84;	0;	30729
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2;	-856.5;	15-JAN-2008	20:53:30;	Bright;	53.0;	98;	13Zet Oph	; 2.57;	30000;occ;	106;	0;	30729
3;	-589.1;	15-JAN-2008	20:57:57;	Dark	; 50.0;	16;	21Alp Sco	; 1.02;	3000;occ;	100;	0;	30729
4;	-487.5;	15-JAN-2008	20:59:39;	Dark	; 38.5;	75;	26Eps Sco	; 2.29;	4250;occ;	77;	0;	30729
5;	-274.3;	15-JAN-2008	21:03:12;	Dark	; 38.5;	131;	Gam Lup	; 2.80;	26000;occ;	77;	0;	30729
6;	-169.2;	15-JAN-2008	21:04:57;	Dark	; 40.5;	109;	Bet Lup	; 2.68;	26000;occ;	81;	0;	30729
7;	-78.5;	15-JAN-2008	21:06:28;	Dark	; 41.0;	78;	Alp Lup	; 2.30;	28000;occ;	82;	0;	30729
8;	76.9;	15-JAN-2008	21:09:03;	Dark	; 43.0;	4;	Alp1Cen	; -0.01;	5800;occ;	86;	0;	30730
9;	278.7;	15-JAN-2008	21:12:25;	Dark	; 59.5;	0;		; 0.00;	0;occ;	119;	0;	30730
10;	534.7;	15-JAN-2008	21:16:41;	Dark	; 39.0;	124;	The Car	; 2.76;	30000;occ;	78;	0;	30730
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12;	732.2;	15-JAN-2008	21:19:58;	Dark	; 39.0;	71;	Iot Car	; 2.25;	7700;occ;	78;	0;	30730
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14;	1007.2;	15-JAN-2008	21:24:33;	Dark	; 43.5;	34;	Gam2Vel	; 1.79;	23000;occ;	87;	0;	30730
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19;	1608.6;	15-JAN-2008	21:34:35;	Dark	; 49.0;	1;	9Alp CMa	; -1.44;	11000;occ;	98;	0;	30730
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28; 4902.8; 26-JAN-2008 23:24:05; Bright; 34.0; 126; 60Bet Oph ; 2.77; 4250;occ; 68; 0;30888
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7;	159.7;	27-JAN-2008	21:33:25;	Dark	;	43.5;	4;	Alp1Cen	;	-0.01;	5800;occ;	87;	0;	30902
8;	325.5;	27-JAN-2008	21:36:11;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	30902
9;	434.6;	27-JAN-2008	21:38:00;	Dark	;	41.5;	12;	Alp1Cru	;	0.77;	30000;occ;	83;	0;	30902
10;	666.1;	27-JAN-2008	21:41:52;	Dark	;	37.5;	29;	Bet Car	;	1.67;	10200;occ;	75;	0;	30902
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12;	908.5;	27-JAN-2008	21:45:54;	Dark	;	40.5;	46;	Del Vel	;	1.95;	10600;occ;	81;	0;	30902
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22;	2554.6;	27-JAN-2008	22:13:20;	Bright;		34.5;	107;	37The Aur	;	2.65;	11000;occ;	69;	0;	30902
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26;	4295.3;	27-JAN-2008	22:42:21;	Bright;		37.0;	5;	3Alp Lyr	;	0.03;	11000;occ;	74;	0;	30902
27;	4779.7;	27-JAN-2008	22:50:25;	Bright;		53.0;	59;	55Alp Oph	;	2.08;	8900;occ;	106;	0;	30902
28;	4906.6;	27-JAN-2008	22:52:32;	Bright;		34.5;	126;	60Bet Oph	;	2.77;	4250;occ;	69;	0;	30902
29;	5284.1;	27-JAN-2008	22:58:50;	Dark	;	42.0;	86;	35Eta Oph	;	2.43;	10200;occ;	84;	0;	30902
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24;	4087.0;	28-JAN-2008	00:19:28;	Bright;		36.5;	130;	23Bet Dra	;	2.80;	5800;occ;	73;	0;	30903
25;	4295.5;	28-JAN-2008	00:22:57;	Bright;		35.0;	5;	3Alp Lyr	;	0.03;	11000;occ;	70;	0;	30903
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25; 7310.1; 27-JAN-2008 10:07:48; Dark ; 43.5; 117; Pi Pup ; 2.71; 3800;occ; 87; 0;30894
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27; 7540.3; 27-JAN-2008 10:11:38; Dark ; 36.0; 179; 240mi2CMA ; 3.03; 24000;occ; 72; 0;30894
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23; 7223.2; 27-JAN-2008 11:46:57; Dark ; 39.5; 70; Zet Pup ; 2.25; 39000;occ; 79; 0;30895
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23; 6943.1; 27-JAN-2008 15:03:29; Dark ; 38.5; 46; Del Vel ; 1.95; 10600;occ; 77; 0;30897
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25; 6500.8; 31-JAN-2008 17:51:26; Dark ; 40.0; 12; Alp1Cru ; 0.77; 30000;occ; 80; 0;30956
26; 6715.8; 31-JAN-2008 17:55:01; Dark ; 44.0; 29; Bet Car ; 1.67; 10200;occ; 88; 0;30956
27; 6856.3; 31-JAN-2008 17:57:21; Dark ; 38.0; 71; Iot Car ; 2.25; 7700;occ; 76; 0;30956
28; 6961.7; 31-JAN-2008 17:59:07; Dark ; 38.5; 46; Del Vel ; 1.95; 10600;occ; 77; 0;30956
29; 7113.6; 31-JAN-2008 18:01:39; Dark ; 36.0; 34; Gam2Vel ; 1.79; 23000;occ; 72; 0;30956

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