

GOMOS Daily Report 13-JAN-2007

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	15JAN2007 05:33:36
Data source version	GOMOS/5.00
Start time of products	QDS_YESTERDAY(/START)-1D (13JAN2007 00:00:00)
Stop time of products	QDS_YESTERDAY(/STOP)-1D (14JAN2007 00:00:00)
Store outputs in DB	Yes
Nb of level 1b prods	50
Nb of prods with errors	0

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

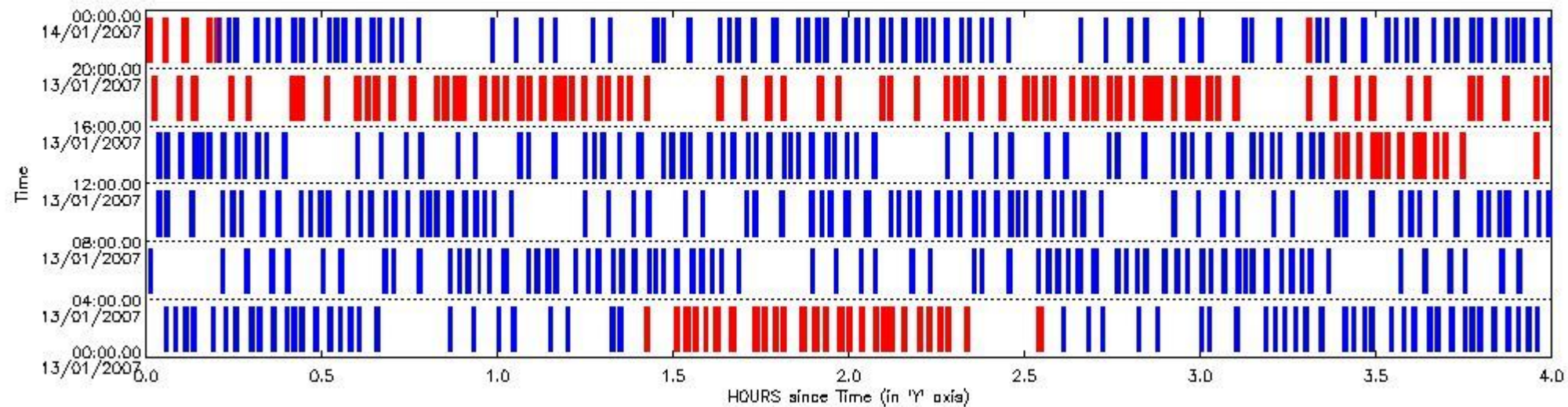
2.1 Level 0 products arrived in PCF (see template [here](#))

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
13-JAN-2007 01:25:01	21AlpSco	16	25464
13-JAN-2007 01:30:10	GamLup	131	25464
13-JAN-2007 01:31:50	BetLup	109	25464
13-JAN-2007 01:33:21	AlpLup	78	25464
13-JAN-2007 01:35:17	ZetCen	95	25465
13-JAN-2007 01:36:58	BetCen	10	25465
13-JAN-2007 01:39:32	DSA1028	0	25465
13-JAN-2007 01:43:40	TheCar	124	25465
13-JAN-2007 01:45:08	BetCar	29	25465
13-JAN-2007 01:46:58	lotCar	71	25465
13-JAN-2007 01:48:17	EpsCar	41	25465
13-JAN-2007 01:51:36	Gam2Vel	34	25465
13-JAN-2007 01:53:45	ZetPup	70	25465
13-JAN-2007 01:55:30	PiPup	117	25465
13-JAN-2007 01:58:05	21EpsCMa	23	25465

13-JAN-2007 01:59:31	24Omi2CMa	179	25465
13-JAN-2007 02:01:46	9AlpCMa	1	25465
13-JAN-2007 02:04:15	53KapOri	56	25465
13-JAN-2007 02:05:25	44IotOri	125	25465
13-JAN-2007 02:06:42	46EpsOri	30	25465
13-JAN-2007 02:08:58	58AlpOri	14	25465
13-JAN-2007 02:11:35	24GamGem	44	25465
13-JAN-2007 02:13:18	13MuGem	151	25465
13-JAN-2007 02:15:03	12BetTau	28	25465
13-JAN-2007 02:16:35	3IotAur	114	25465
13-JAN-2007 02:19:37	34BetAur	42	25465
13-JAN-2007 02:32:08	1AlpUMi	49	25465
13-JAN-2007 15:22:54	21EpsCMa	23	25473
13-JAN-2007 15:24:20	24Omi2CMa	179	25473
13-JAN-2007 15:26:35	9AlpCMa	1	25473
13-JAN-2007 15:29:04	53KapOri	56	25473
13-JAN-2007 15:30:13	44IotOri	125	25473
13-JAN-2007 15:31:31	46EpsOri	30	25473
13-JAN-2007 15:33:46	58AlpOri	14	25473
13-JAN-2007 15:36:22	24GamGem	44	25473
13-JAN-2007 15:37:43	23ZetTau	176	25473
13-JAN-2007 15:39:51	12BetTau	28	25473
13-JAN-2007 15:41:24	3IotAur	114	25473
13-JAN-2007 15:44:24	34BetAur	42	25473
13-JAN-2007 15:56:55	1AlpUMi	49	25473
13-JAN-2007 16:00:58	7BetUMi	60	25473
13-JAN-2007 16:05:14	14EtaDra	119	25473
13-JAN-2007 16:07:44	23BetDra	130	25473
13-JAN-2007 16:14:00	40ZetHer	133	25473
13-JAN-2007 16:17:04	27BetHer	127	25473
13-JAN-2007 16:24:36	1DelOph	120	25473
13-JAN-2007 16:26:00	13ZetOph	98	25473
13-JAN-2007 16:30:27	21AlpSco	16	25473
13-JAN-2007 16:35:38	GamLup	131	25473
13-JAN-2007 16:37:19	BetLup	109	25473
13-JAN-2007 16:38:50	AlpLup	78	25473
13-JAN-2007 16:41:31	Alp1Cen	4	25474
13-JAN-2007 16:44:58	DSA1028	0	25474
13-JAN-2007 16:49:07	TheCar	124	25474
13-JAN-2007 16:50:35	BetCar	29	25474
13-JAN-2007 16:52:26	IotCar	71	25474
13-JAN-2007 16:53:44	EpsCar	41	25474
13-JAN-2007 16:57:03	Gam2Vel	34	25474
13-JAN-2007 16:59:12	ZetPup	70	25474
13-JAN-2007 17:00:55	PiPup	117	25474
13-JAN-2007 17:03:30	21EpsCMa	23	25474
13-JAN-2007 17:04:56	24Omi2CMa	179	25474
13-JAN-2007 17:07:11	9AlpCMa	1	25474
13-JAN-2007 17:09:40	53KapOri	56	25474
13-JAN-2007 17:10:50	44IotOri	125	25474
13-JAN-2007 17:12:07	46EpsOri	30	25474
13-JAN-2007 17:14:22	58AlpOri	14	25474
13-JAN-2007 17:16:58	24GamGem	44	25474
13-JAN-2007 17:18:19	23ZetTau	176	25474
13-JAN-2007 17:20:27	12BetTau	28	25474
13-JAN-2007 17:22:00	3IotAur	114	25474
13-JAN-2007 17:24:59	34BetAur	42	25474
13-JAN-2007 17:37:31	1AlpUMi	49	25474
13-JAN-2007 17:41:34	7BetUMi	60	25474

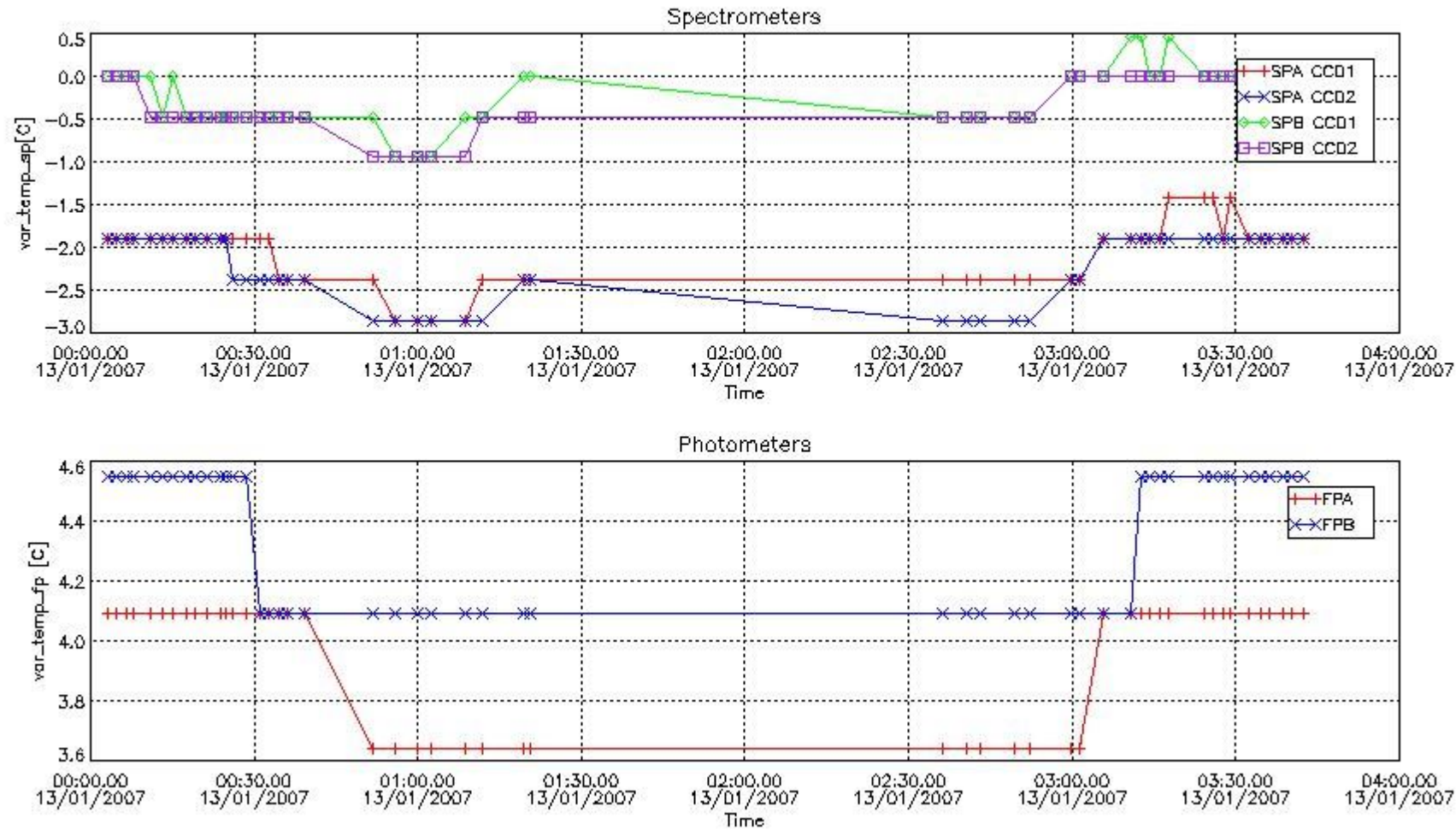
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13-JAN-2007 17:48:20	23BetDra	130	25474
13-JAN-2007 17:54:36	40ZetHer	133	25474
13-JAN-2007 17:57:40	27BetHer	127	25474
13-JAN-2007 18:05:13	1DelOph	120	25474
13-JAN-2007 18:06:36	13ZetOph	98	25474
13-JAN-2007 18:11:04	21AlpSco	16	25474
13-JAN-2007 18:16:14	GamLup	131	25474
13-JAN-2007 18:17:56	BetLup	109	25474
13-JAN-2007 18:19:26	AlpLup	78	25474
13-JAN-2007 18:22:08	Alp1Cen	4	25475
13-JAN-2007 18:25:34	DSA1028	0	25475
13-JAN-2007 18:29:44	TheCar	124	25475
13-JAN-2007 18:31:11	BetCar	29	25475
13-JAN-2007 18:33:02	lotCar	71	25475
13-JAN-2007 18:34:20	EpsCar	41	25475
13-JAN-2007 18:37:39	Gam2Vel	34	25475
13-JAN-2007 18:39:48	ZetPup	70	25475
13-JAN-2007 18:41:32	PiPup	117	25475
13-JAN-2007 18:44:06	21EpsCMa	23	25475
13-JAN-2007 18:45:32	24Omi2CMa	179	25475
13-JAN-2007 18:47:47	9AlpCMa	1	25475
13-JAN-2007 18:50:16	53KapOri	56	25475
13-JAN-2007 18:51:26	44lotOri	125	25475
13-JAN-2007 18:52:43	46EpsOri	30	25475
13-JAN-2007 18:54:58	58AlpOri	14	25475
13-JAN-2007 18:57:34	24GamGem	44	25475
13-JAN-2007 18:58:55	23ZetTau	176	25475
13-JAN-2007 19:01:03	12BetTau	28	25475
13-JAN-2007 19:02:36	3lotAur	114	25475
13-JAN-2007 19:05:35	34BetAur	42	25475
13-JAN-2007 19:18:07	1AlpUMi	49	25475
13-JAN-2007 19:22:10	7BetUMi	60	25475
13-JAN-2007 19:26:25	14EtaDra	119	25475
13-JAN-2007 19:28:56	23BetDra	130	25475
13-JAN-2007 19:35:12	40ZetHer	133	25475
13-JAN-2007 19:38:16	27BetHer	127	25475
13-JAN-2007 19:45:49	1DelOph	120	25475
13-JAN-2007 19:47:13	13ZetOph	98	25475
13-JAN-2007 19:51:40	21AlpSco	16	25475
13-JAN-2007 19:56:51	GamLup	131	25475
13-JAN-2007 19:58:32	BetLup	109	25475
13-JAN-2007 20:00:03	AlpLup	78	25475
13-JAN-2007 20:02:44	Alp1Cen	4	25476
13-JAN-2007 20:06:10	DSA1028	0	25476
13-JAN-2007 20:10:20	TheCar	124	25476
13-JAN-2007 20:11:47	BetCar	29	25476
13-JAN-2007 23:18:04	GamLup	131	25477

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_1PNPDE20070113_000308_000000382054_00360_25464_5173.N1	13-JAN-2007 00:03:08	Dark	38.000	124	The Car	2.7640	30000.	76	25464	No
2	GOM_TRA_1PNPDE20070113_000437_000000392054_00360_25464_5174.N1	13-JAN-2007 00:04:37	Dark	39.000	29	Bet Car	1.6720	10200.	78	25464	No
3	GOM_TRA_1PNPDE20070113_000627_000000412054_00360_25464_5175.N1	13-JAN-2007 00:06:27	Dark	40.500	71	lot Car	2.2460	7700.0	81	25464	No
4	GOM_TRA_1PNPDE20070113_000745_000000392054_00360_25464_5176.N1	13-JAN-2007 00:07:45	Dark	39.000	41	Eps Car	1.8600	4100.0	78	25464	No
5	GOM_TRA_1PNPDE20070113_001104_000000432054_00360_25464_5177.N1	13-JAN-2007 00:11:04	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	25464	No
6	GOM_TRA_1PNPDE20070113_001314_000000422054_00360_25464_5178.N1	13-JAN-2007 00:13:14	Dark	41.500	70	Zet Pup	2.2460	39000.	83	25464	No

7	GOM_TRA_1PNPDE20070113_001458_000000452054_00360_25464_5179.N1	13-JAN-2007 00:14:58	Straylight	44.500	117	Pi Pup	2.7060	3800.0	89	25464	No
8	GOM_TRA_1PNPDE20070113_001733_000000442054_00360_25464_5180.N1	13-JAN-2007 00:17:33	Straylight	43.500	23	21Eps CMa	1.5020	26000.	87	25464	No
9	GOM_TRA_1PNPDE20070113_001900_000000412054_00360_25464_5181.N1	13-JAN-2007 00:19:00	Straylight	41.000	179	24Omi2CMa	3.0320	24000.	82	25464	No
10	GOM_TRA_1PNPDE20070113_002115_000000502054_00360_25464_5182.N1	13-JAN-2007 00:21:15	Straylight	49.500	1	9Alp CMa	-1.4400	11000.	99	25464	No
11	GOM_TRA_1PNPDE20070113_002344_000000392054_00360_25464_5183.N1	13-JAN-2007 00:23:44	Straylight	39.000	56	53Kap Ori	2.0650	30000.	78	25464	No
12	GOM_TRA_1PNPDE20070113_002453_000000382054_00360_25464_5184.N1	13-JAN-2007 00:24:53	Straylight	37.500	125	44Iot Ori	2.7700	30000.	75	25464	No
13	GOM_TRA_1PNPDE20070113_002611_000000422054_00360_25464_5185.N1	13-JAN-2007 00:26:11	Twilight_stray	41.500	30	46Eps Ori	1.6940	30000.	83	25464	No
14	GOM_TRA_1PNPDE20070113_002827_000000472054_00360_25464_5186.N1	13-JAN-2007 00:28:27	Twilight_stray	47.000	14	58Alp Ori	0.87000	3000.0	94	25464	No
15	GOM_TRA_1PNPDE20070113_003104_000000432054_00360_25464_5187.N1	13-JAN-2007 00:31:04	Bright	43.000	44	24Gam Gem	1.9280	11000.	86	25464	No
16	GOM_TRA_1PNPDE20070113_003246_000000402054_00360_25464_5188.N1	13-JAN-2007 00:32:46	Bright	39.500	151	13Mu Gem	2.8900	3000.0	79	25464	No
17	GOM_TRA_1PNPDE20070113_003432_000000372054_00360_25464_5189.N1	13-JAN-2007 00:34:32	Bright	37.000	28	12Bet Tau	1.6500	15200.	74	25464	No
18	GOM_TRA_1PNPDE20070113_003603_000000372054_00360_25464_5190.N1	13-JAN-2007 00:36:03	Bright	37.000	114	3Iot Aur	2.6930	4600.0	74	25464	No
19	GOM_TRA_1PNPDE20070113_003906_000000372054_00360_25464_5191.N1	13-JAN-2007 00:39:06	Bright	37.000	42	34Bet Aur	1.9000	10200.	74	25464	No
20	GOM_TRA_1PNPDE20070113_005136_000000352054_00360_25464_5192.N1	13-JAN-2007 00:51:36	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	25464	No
21	GOM_TRA_1PNPDE20070113_005541_000000342054_00360_25464_5193.N1	13-JAN-2007 00:55:41	Bright	33.500	60	7Bet UMi	2.0810	3950.0	67	25464	No
22	GOM_TRA_1PNPDE20070113_005955_000000372054_00360_25464_5194.N1	13-JAN-2007 00:59:55	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	25464	No
23	GOM_TRA_1PNPDE20070113_010225_000000352054_00360_25464_5195.N1	13-JAN-2007 01:02:25	Bright	34.500	130	23Bet Dra	2.7990	5800.0	69	25464	No
24	GOM_TRA_1PNPDE20070113_010840_000000352054_00360_25464_5196.N1	13-JAN-2007 01:08:40	Bright	35.000	133	40Zet Her	2.8070	6000.0	70	25464	No
25	GOM_TRA_1PNPDE20070113_011143_000000352054_00360_25464_5197.N1	13-JAN-2007 01:11:43	Bright	34.500	127	27Bet Her	2.7810	4700.0	69	25464	No
26	GOM_TRA_1PNPDE20070113_011914_000000382054_00360_25464_5198.N1	13-JAN-2007 01:19:14	Bright	38.000	120	1Del Oph	2.7340	3200.0	76	25464	No
27	GOM_TRA_1PNPDE20070113_012039_000000362054_00360_25464_5199.N1	13-JAN-2007 01:20:39	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	25464	No
28	GOM_TRA_1PNPDE20070113_023617_000000382054_00361_25465_5380.N1	13-JAN-2007 02:36:17	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	25465	No
29	GOM_TRA_1PNPDE20070113_024031_000000372054_00361_25465_5381.N1	13-JAN-2007 02:40:31	Bright	37.000	119	14Eta Dra	2.7270	4700.0	74	25465	No
30	GOM_TRA_1PNPDE20070113_024300_000000362054_00361_25465_5382.N1	13-JAN-2007 02:43:00	Bright	35.500	130	23Bet Dra	2.7990	5800.0	71	25465	No
31	GOM_TRA_1PNPDE20070113_024916_000000372054_00361_25465_5383.N1	13-JAN-2007 02:49:16	Bright	36.500	133	40Zet Her	2.8070	6000.0	73	25465	No
32	GOM_TRA_1PNPDE20070113_025219_000000362054_00361_25465_5384.N1	13-JAN-2007 02:52:19	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	25465	No
33	GOM_TRA_1PNPDE20070113_025950_000000392054_00361_25465_5385.N1	13-JAN-2007 02:59:50	Bright	38.500	120	1Del Oph	2.7340	3200.0	77	25465	No
34	GOM_TRA_1PNPDE20070113_030115_000000362054_00361_25465_5386.N1	13-JAN-2007 03:01:15	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	25465	No
35	GOM_TRA_1PNPDE20070113_030542_000000482054_00361_25465_5387.N1	13-JAN-2007 03:05:42	Twilight_stray	47.500	16	21Alp Sco	1.0200	3000.0	95	25465	No
36	GOM_TRA_1PNPDE20070113_031051_000000382054_00361_25465_5388.N1	13-JAN-2007 03:10:51	Dark	38.000	131	Gam Lup	2.8000	26000.	76	25465	No
37	GOM_TRA_1PNPDE20070113_031232_000000392054_00361_25465_5389.N1	13-JAN-2007 03:12:32	Dark	38.500	109	Bet Lup	2.6770	26000.	77	25465	No
38	GOM_TRA_1PNPDE20070113_031402_000000392054_00361_25465_5390.N1	13-JAN-2007 03:14:02	Dark	39.000	78	Alp Lup	2.3040	28000.	78	25465	No
39	GOM_TRA_1PNPDE20070113_031558_000000302054_00362_25466_5391.N1	13-JAN-2007 03:15:58	Dark	30.000	95	Zet Cen	2.5450	26000.	60	25466	No
40	GOM_TRA_1PNPDE20070113_031740_000000412054_00362_25466_5392.N1	13-JAN-2007 03:17:40	Dark	41.000	10	Bet Cen	0.61000	28000.	82	25466	No
41	GOM_TRA_1PNPDE20070113_032421_000000392054_00362_25466_5393.N1	13-JAN-2007 03:24:21	Dark	39.000	124	The Car	2.7640	30000.	78	25466	No
42	GOM_TRA_1PNPDE20070113_032549_000000382054_00362_25466_5394.N1	13-JAN-2007 03:25:49	Dark	37.500	29	Bet Car	1.6720	10200.	75	25466	No
43	GOM_TRA_1PNPDE20070113_032739_000000402054_00362_25466_5395.N1	13-JAN-2007 03:27:39	Dark	39.500	71	Iot Car	2.2460	7700.0	79	25466	No
44	GOM_TRA_1PNPDE20070113_032858_000000462054_00362_25466_5396.N1	13-JAN-2007 03:28:58	Dark	46.000	41	Eps Car	1.8600	4100.0	92	25466	No
45	GOM_TRA_1PNPDE20070113_033217_000000402054_00362_25466_5397.N1	13-JAN-2007 03:32:17	Dark	40.000	34	Gam2Vel	1.7930	23000.	80	25466	No
46	GOM_TRA_1PNPDE20070113_033426_000000412054_00362_25466_5398.N1	13-JAN-2007 03:34:26	Dark	41.000	70	Zet Pup	2.2460	39000.	82	25466	No
47	GOM_TRA_1PNPDE20070113_033610_000000442054_00362_25466_5399.N1	13-JAN-2007 03:36:10	Straylight	43.500	117	Pi Pup	2.7060	3800.0	87	25466	No
48	GOM_TRA_1PNPDE20070113_033846_000000462054_00362_25466_5400.N1	13-JAN-2007 03:38:46	Straylight	45.500	23	21Eps CMa	1.5020	26000.	91	25466	No
49	GOM_TRA_1PNPDE20070113_034012_000000422054_00362_25466_5401.N1	13-JAN-2007 03:40:12	Straylight	41.500	179	24Omi2CMa	3.0320	24000.	83	25466	No
50	GOM_TRA_1PNPDE20070113_034227_000000452054_00362_25466_5402.N1	13-JAN-2007 03:42:27	Straylight	44.500	1	9Alp CMa	-1.4400	11000.	89	25466	No

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



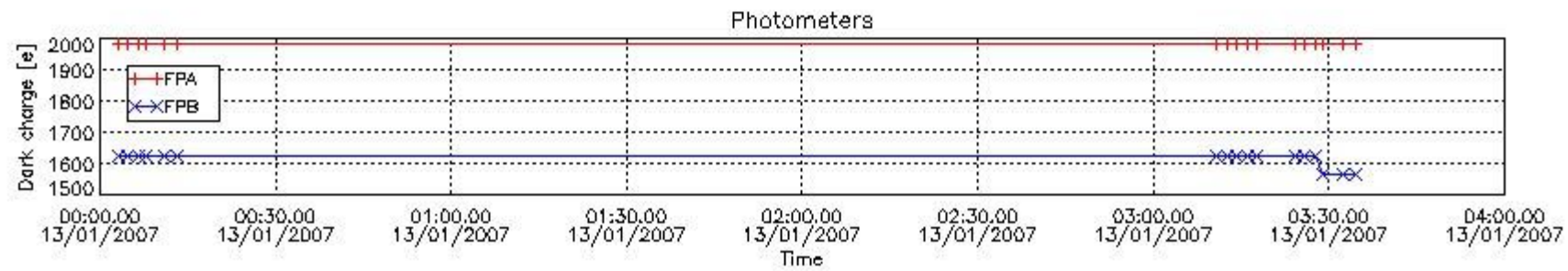
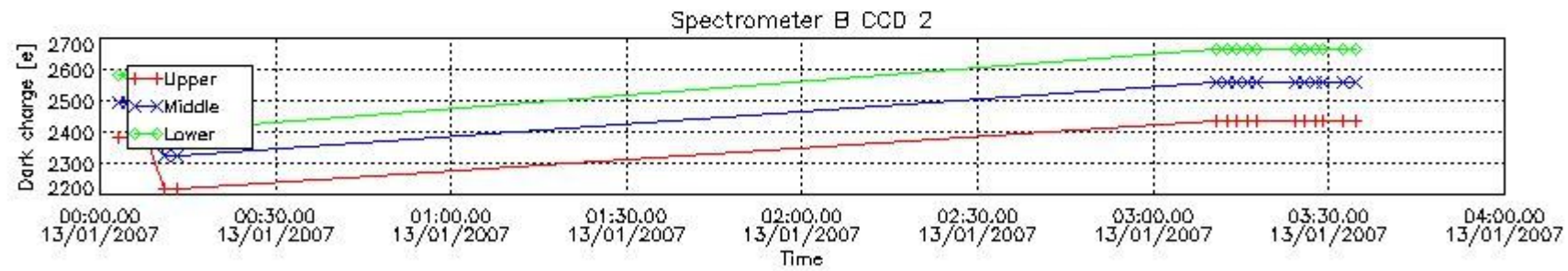
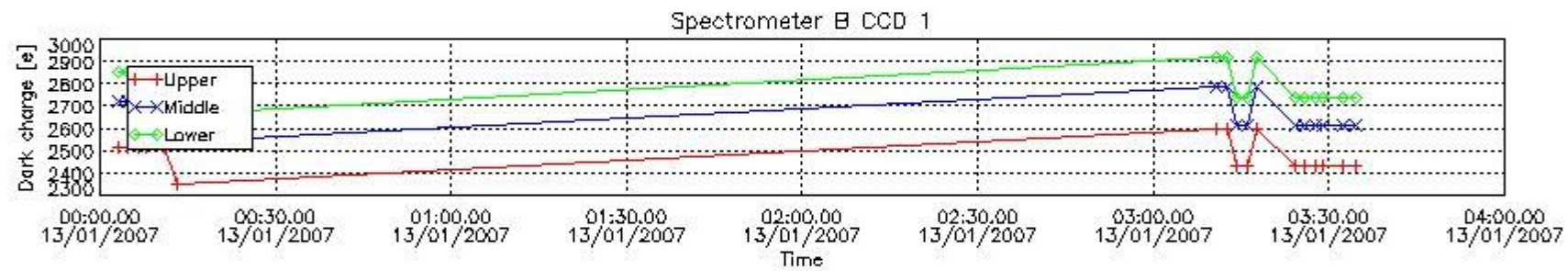
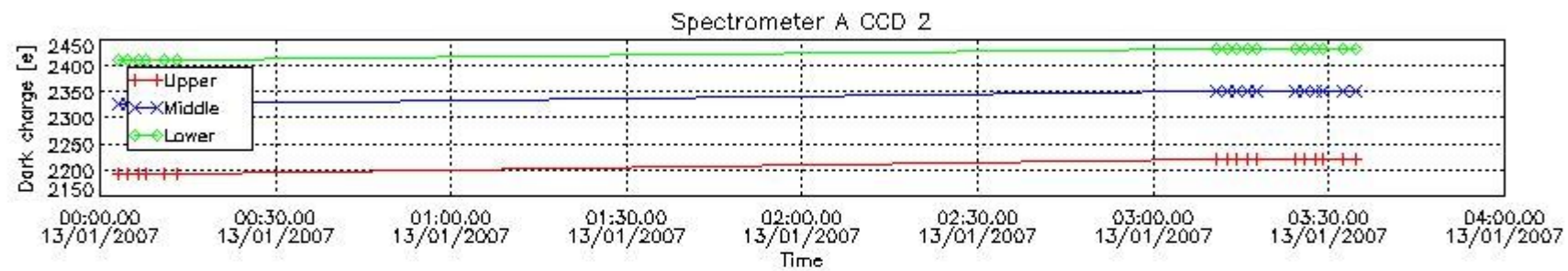
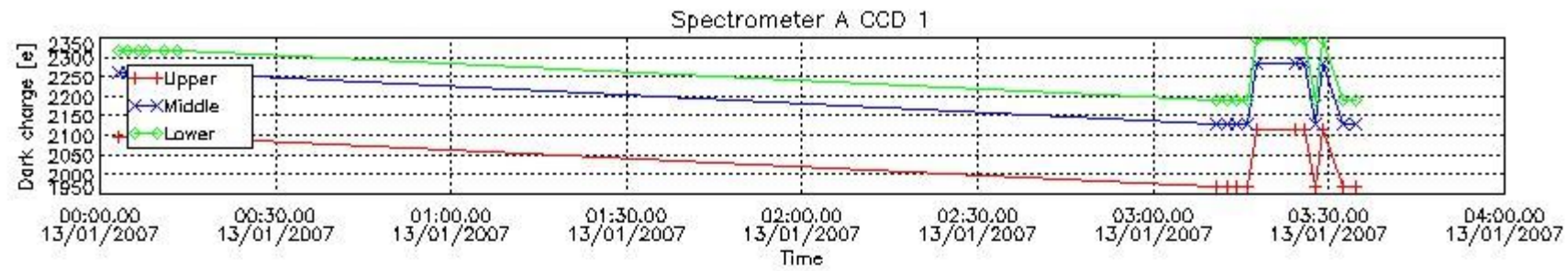
4. Overview of dark signal processing per product

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

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

4.1 All products used the DSA observation for the DC computation

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



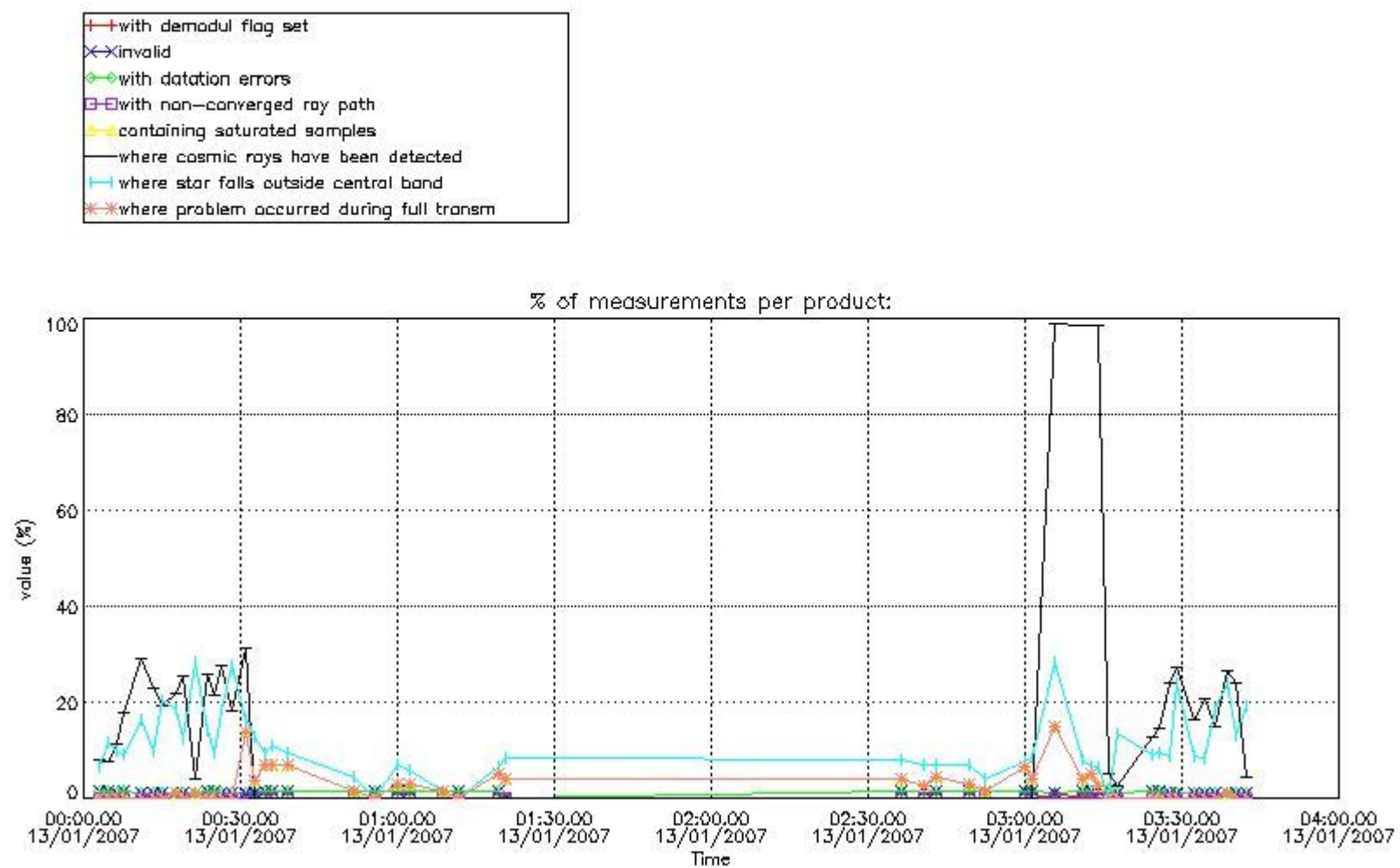
5. Demodulation flag and quality information monitoring

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

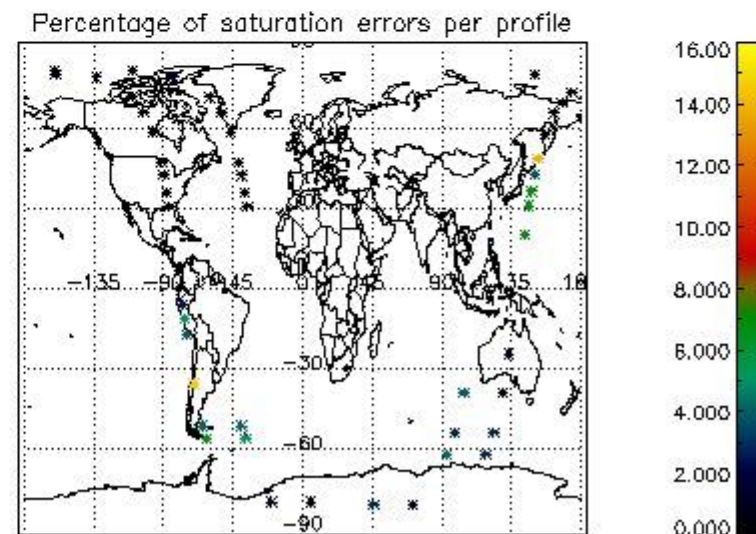
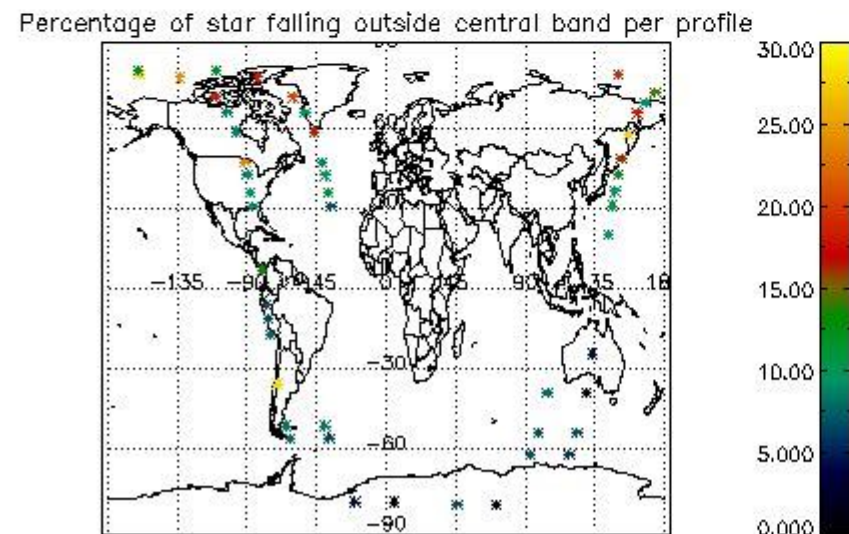
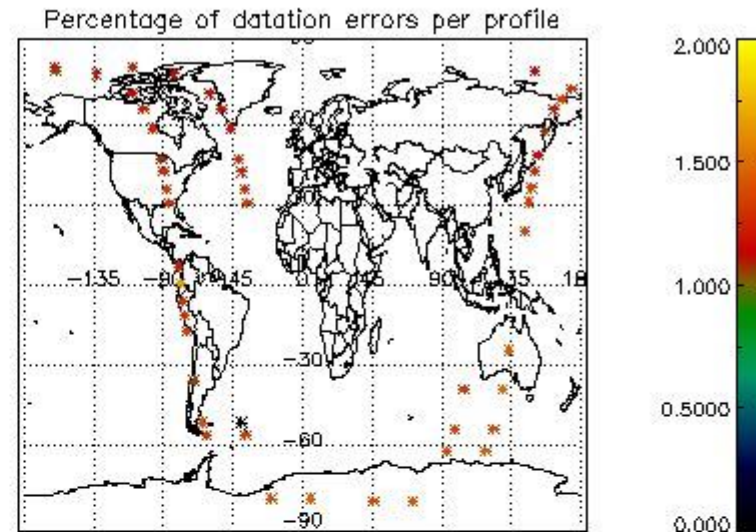
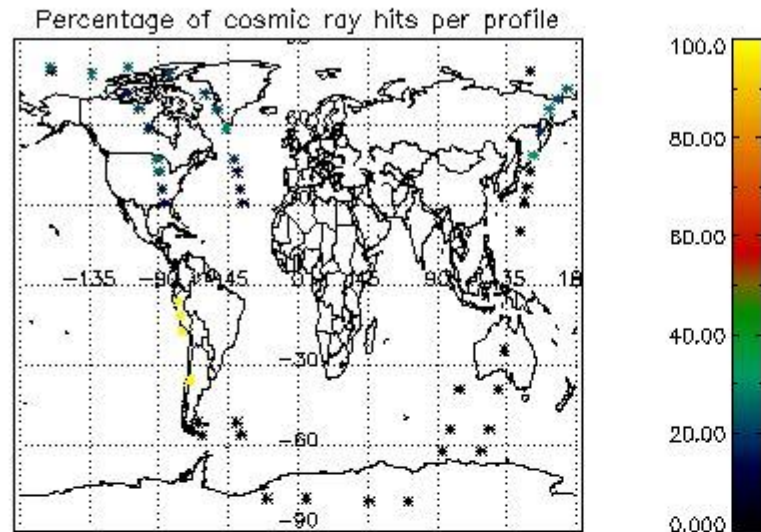
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	14.0000 %
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)



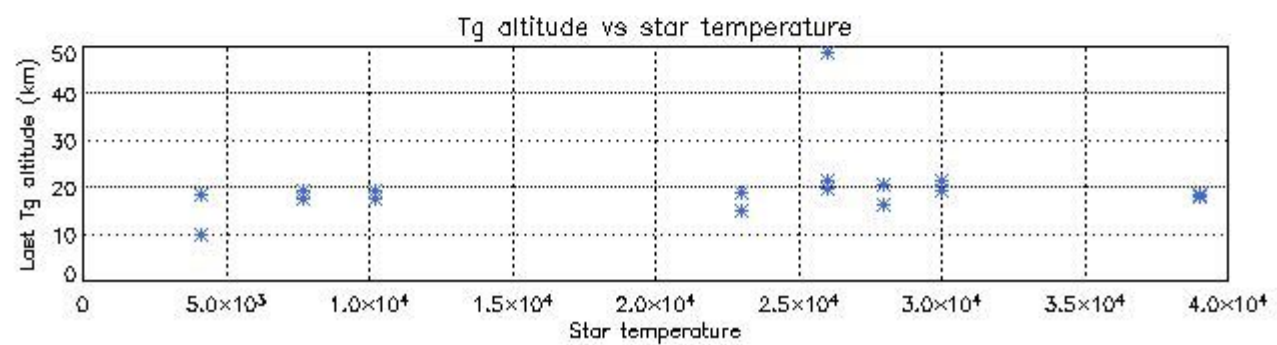
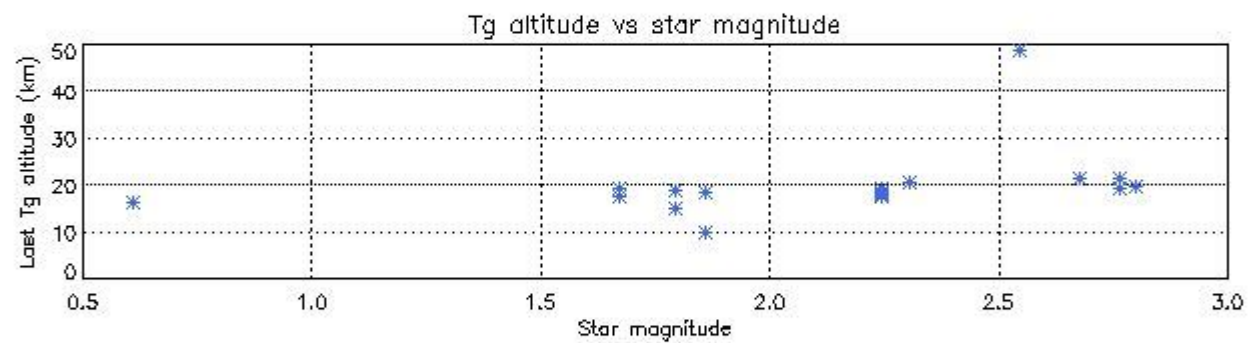
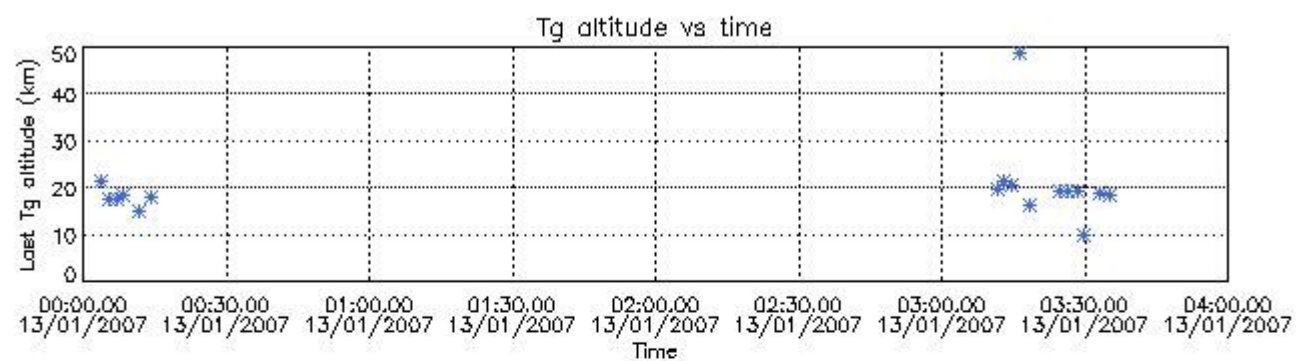
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	19.921	20.744	NaN
St. deviation:	7.9235	3.5943	NaN
Maximum:	48.754	30.318	NaN
Minimum:	9.6568	13.318	NaN
Number of data:	17.000	20.000	NaN

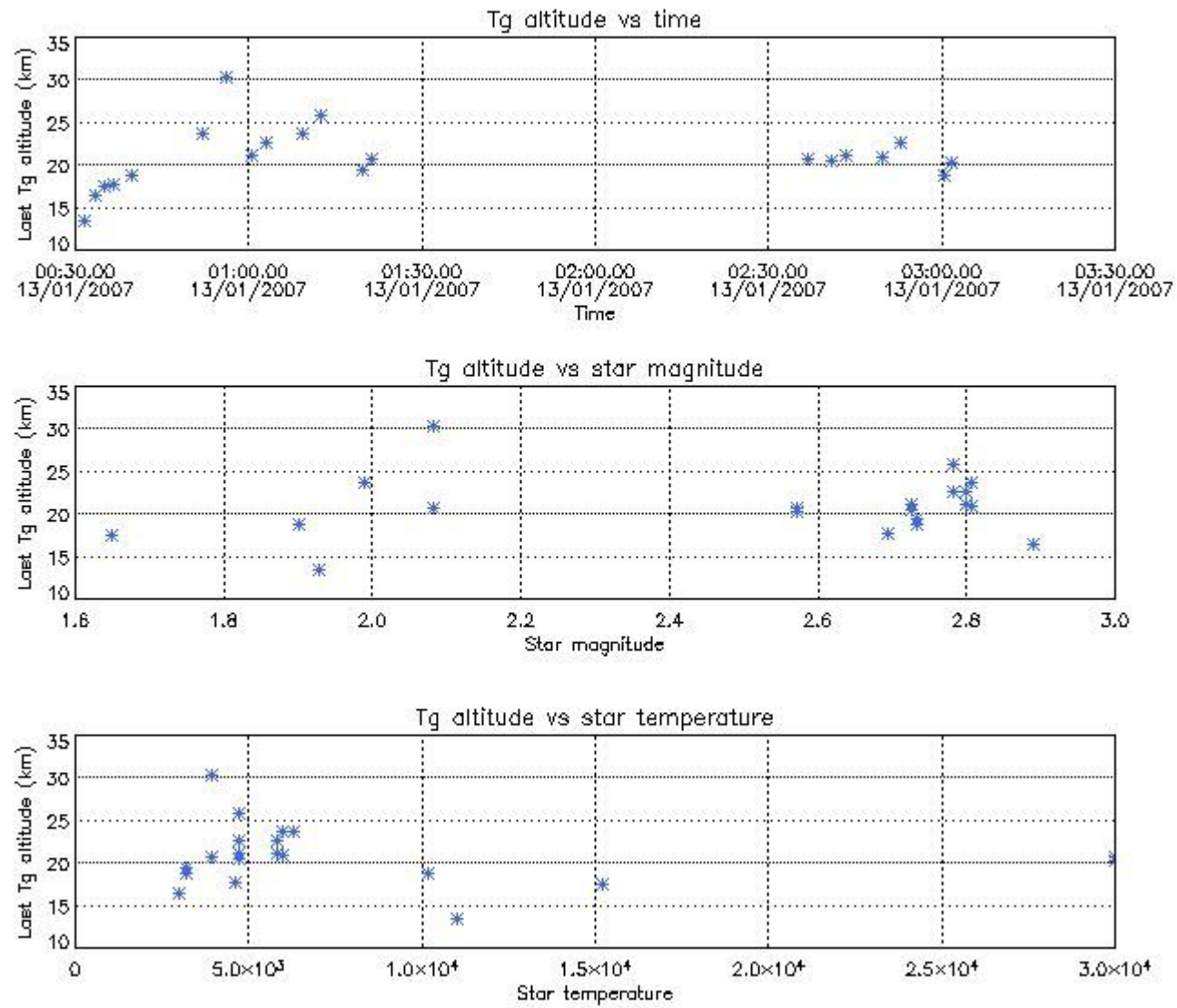
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

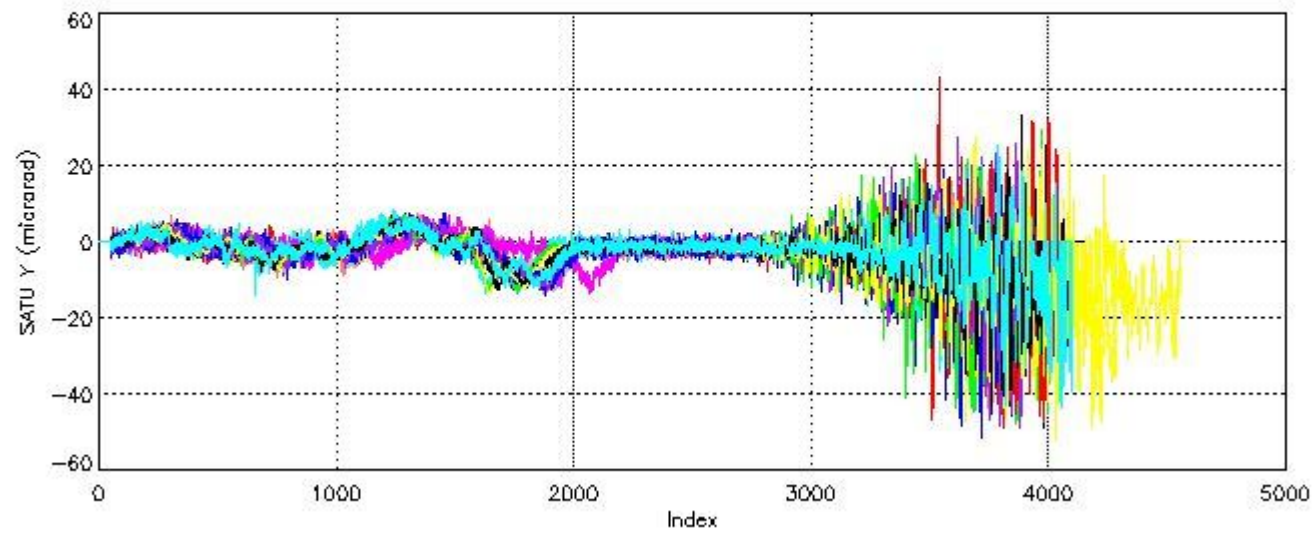
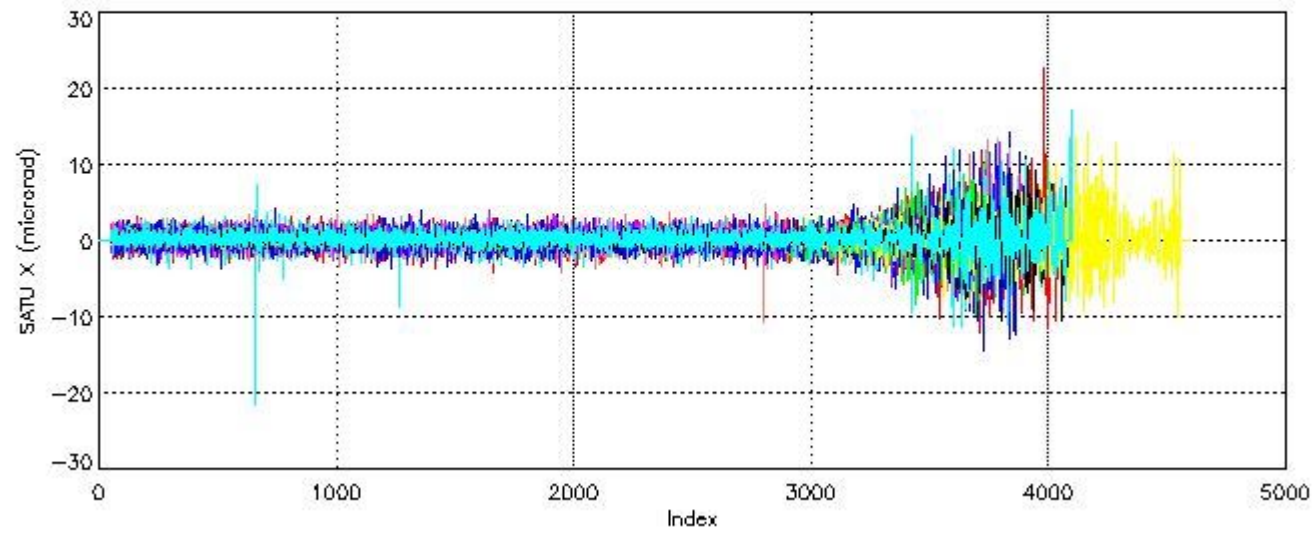


7. Star Acquisition and Tracking Unit (SATU)

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

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

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



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

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

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

7.2.1 SATU NEA Statistics (table)

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	0.14466	-0.89561	0.031275	-0.85390
St. deviation:	0.67149	2.1683	0.62398	2.4121
Maximum:	7.4000	6.8000	3.5000	7.2000
Minimum:	-21.500	-14.000	-3.6000	-7.7000

Number of data:	15700.	15700.	16600.	16600.
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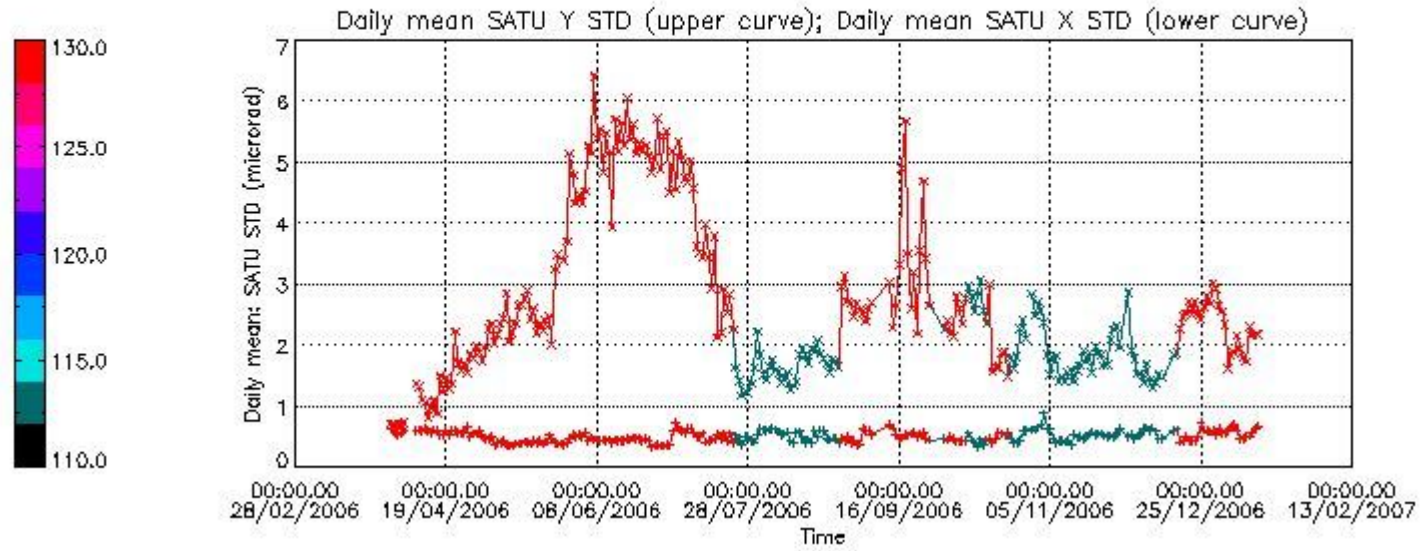
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

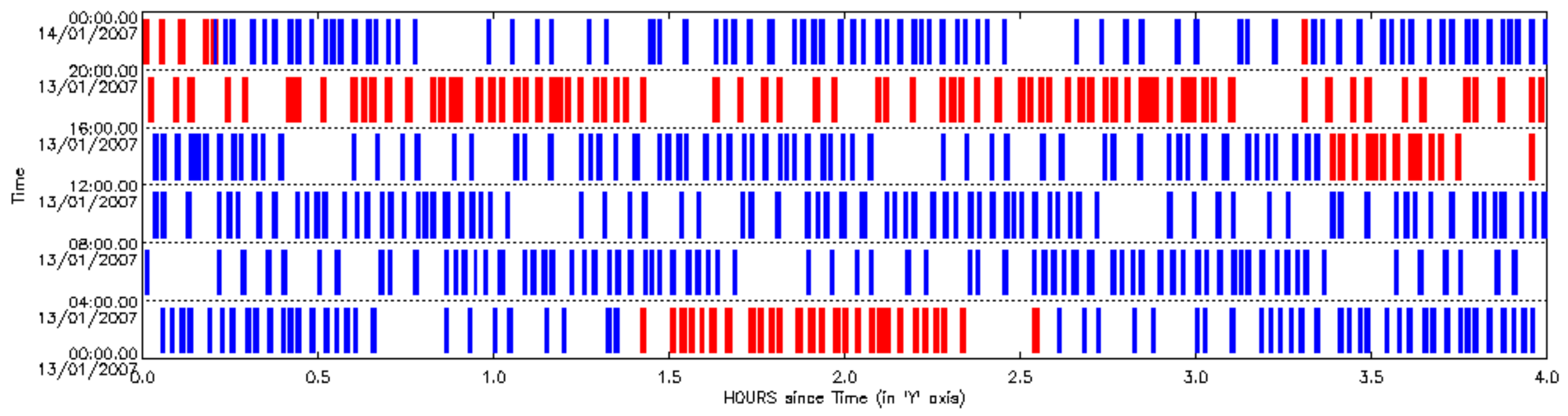
Lower curve: STD of SATU X axis

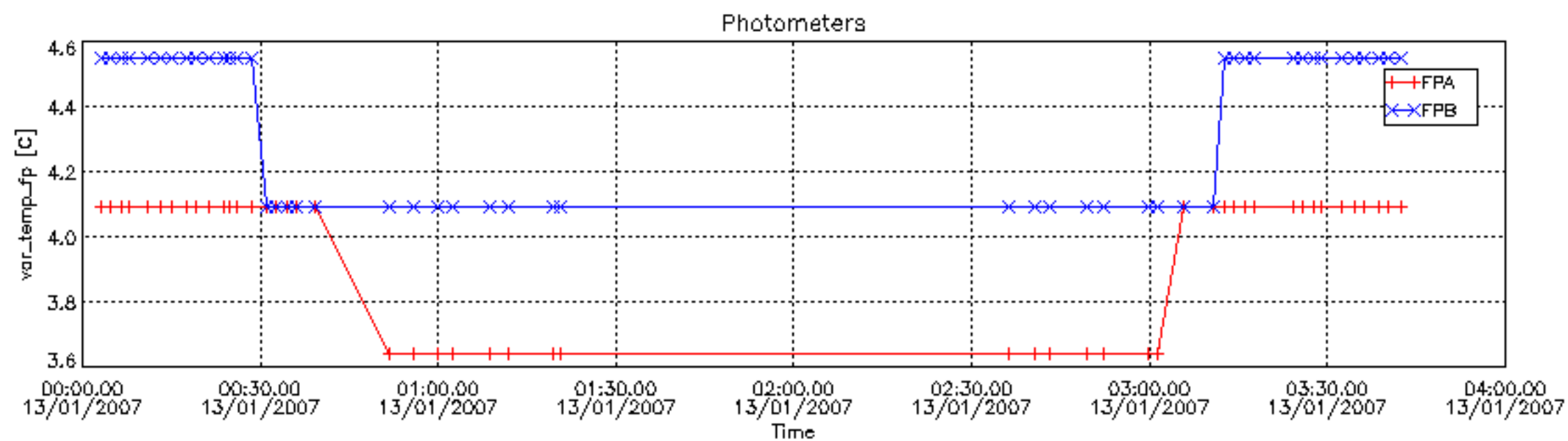
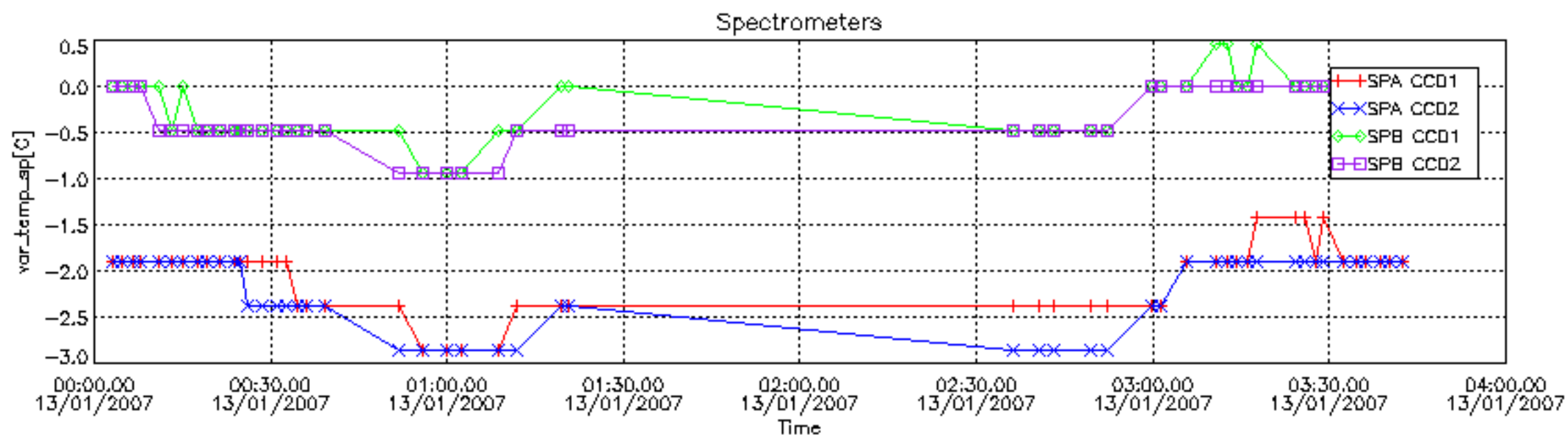


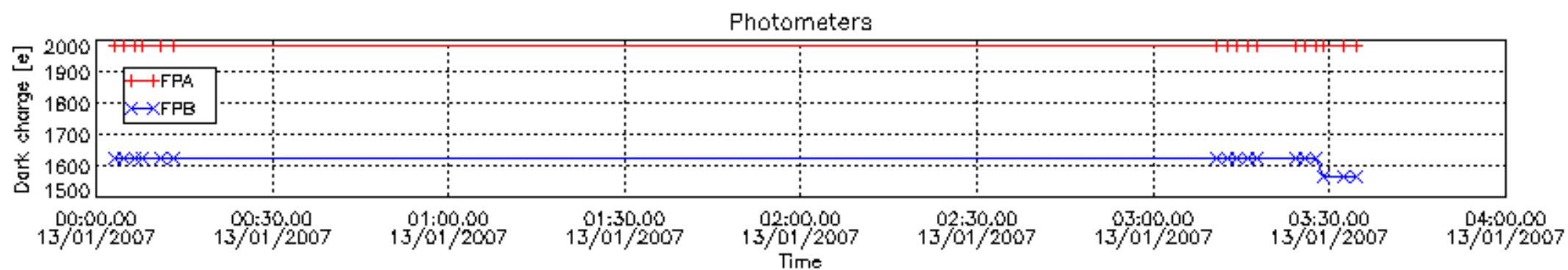
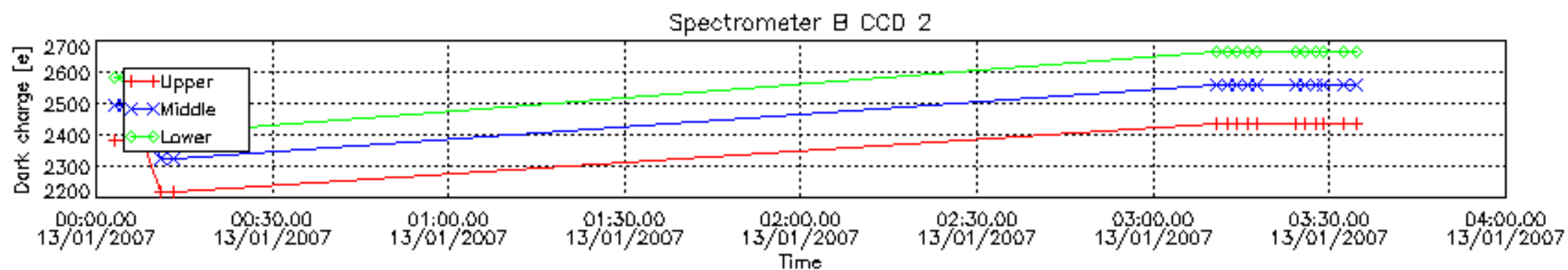
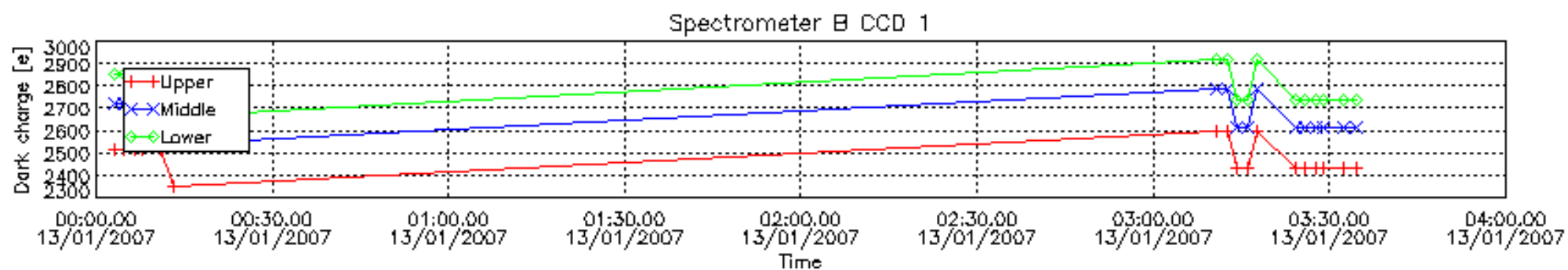
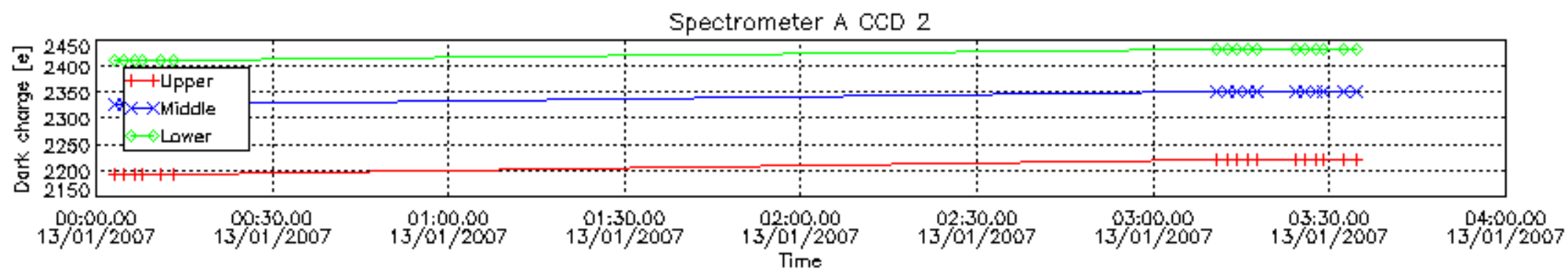
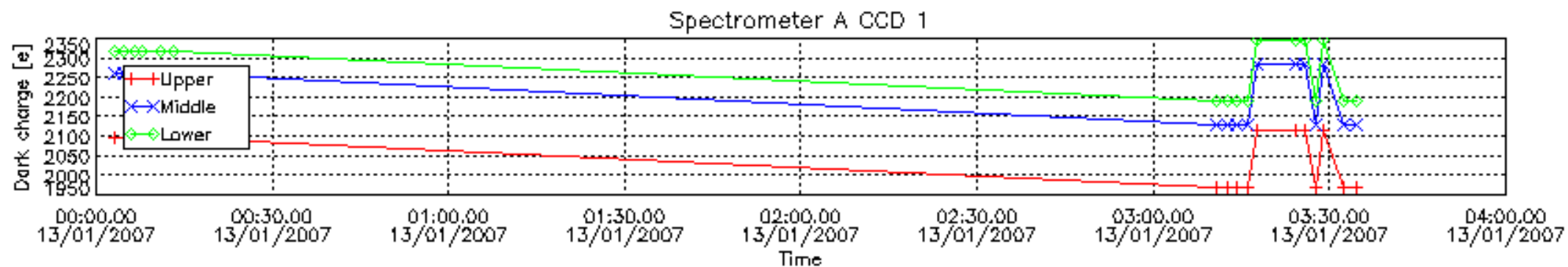
8. Auxiliary Data Files used for the production reported in section 2.4

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.

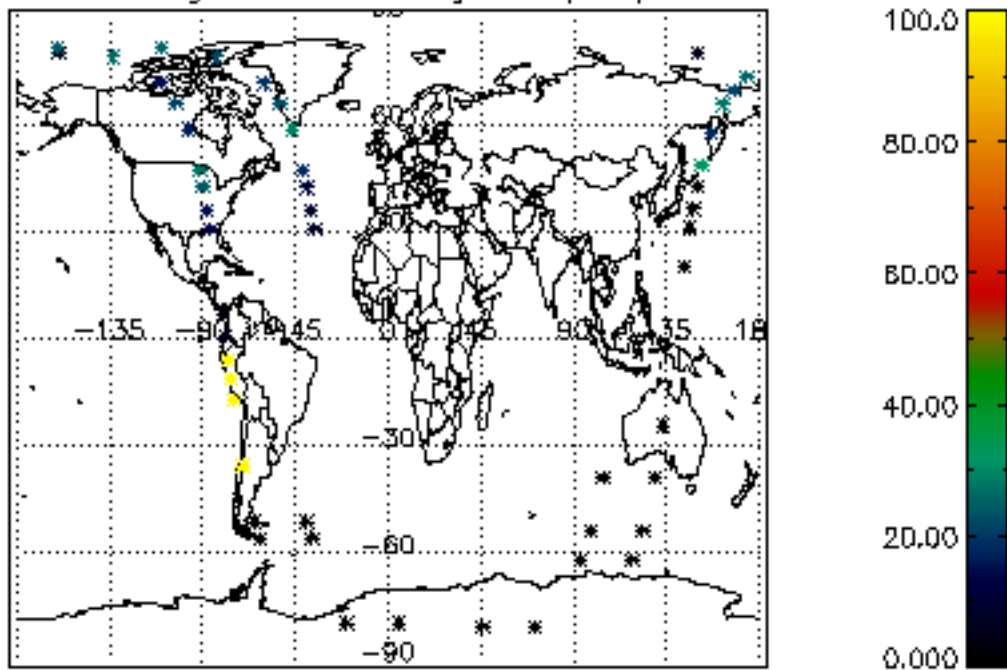
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	13-JAN-2007 00:03:08
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20070105_103648_20070104_000000_20100101_000000	1	13-JAN-2007 00:03:08
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	13-JAN-2007 00:03:08
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	13-JAN-2007 00:03:08
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	13-JAN-2007 00:03:08
ECMWF_FILE	AUX_ECF_AXNECM20070112_062605_20070112_210000_20070113_090000	1	13-JAN-2007 00:03:08
OPTIONAL_ECMWF_FILE	MISSING	1	13-JAN-2007 00:03:08
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20070112_234243_000054192054_00359_25463_2564.N1	1	13-JAN-2007 00:03:08



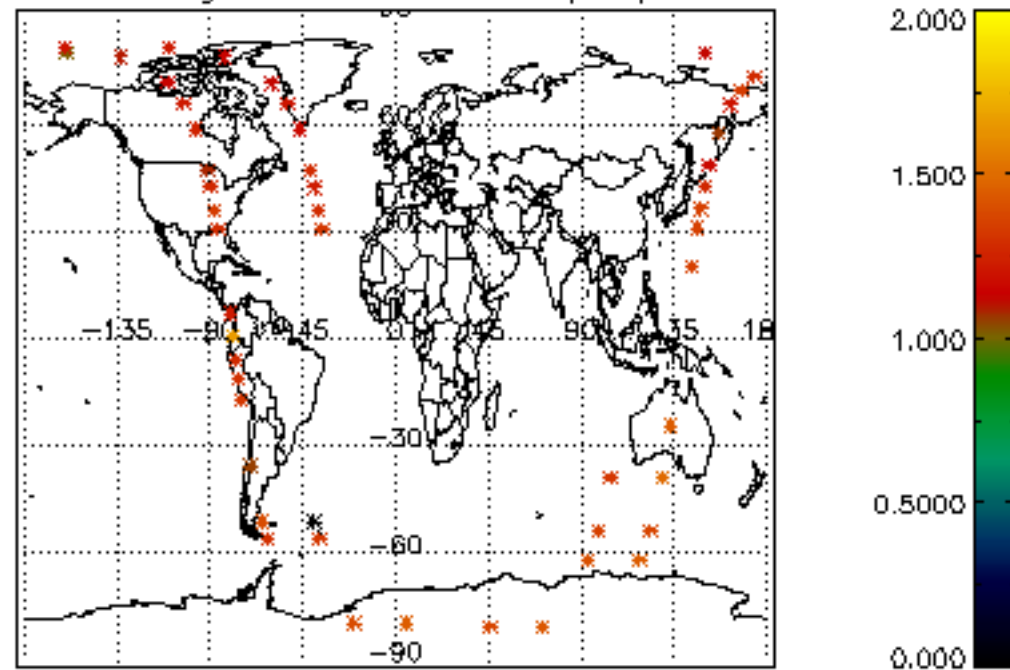




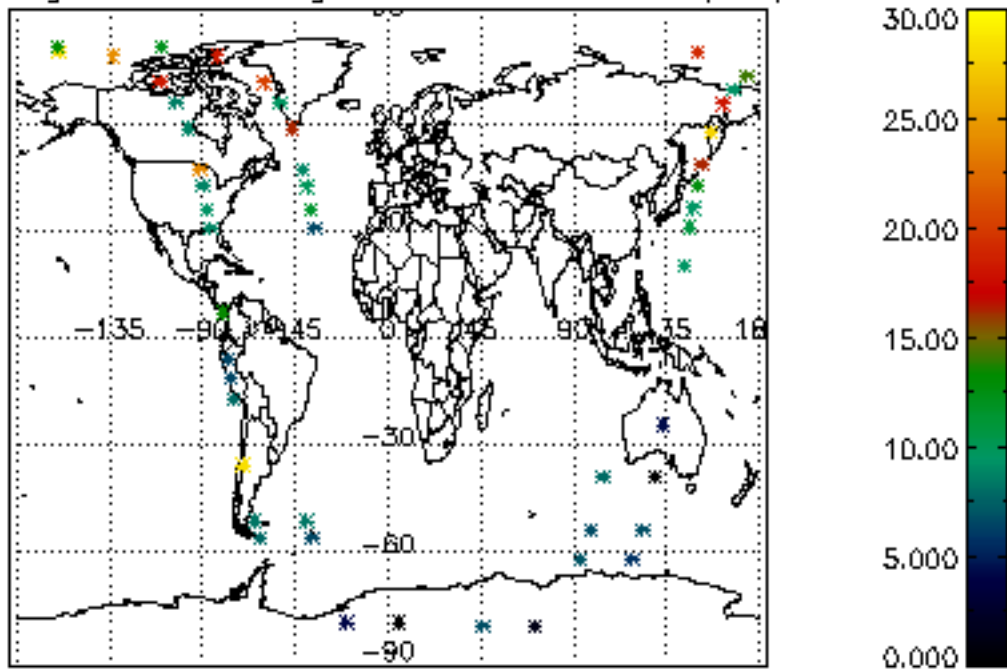
Percentage of cosmic ray hits per profile



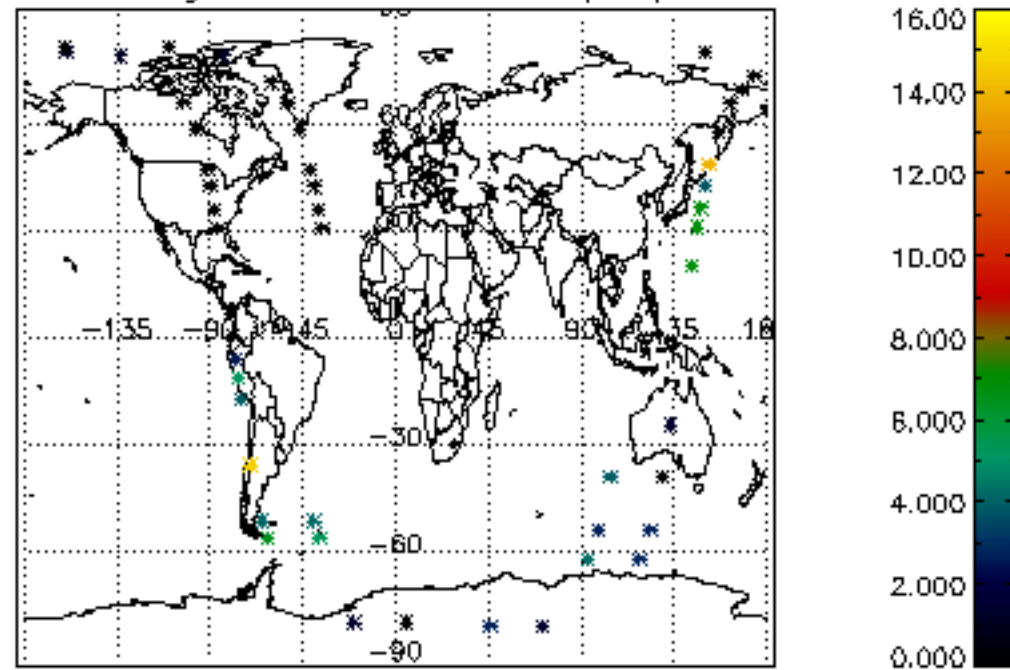
Percentage of datation errors per profile



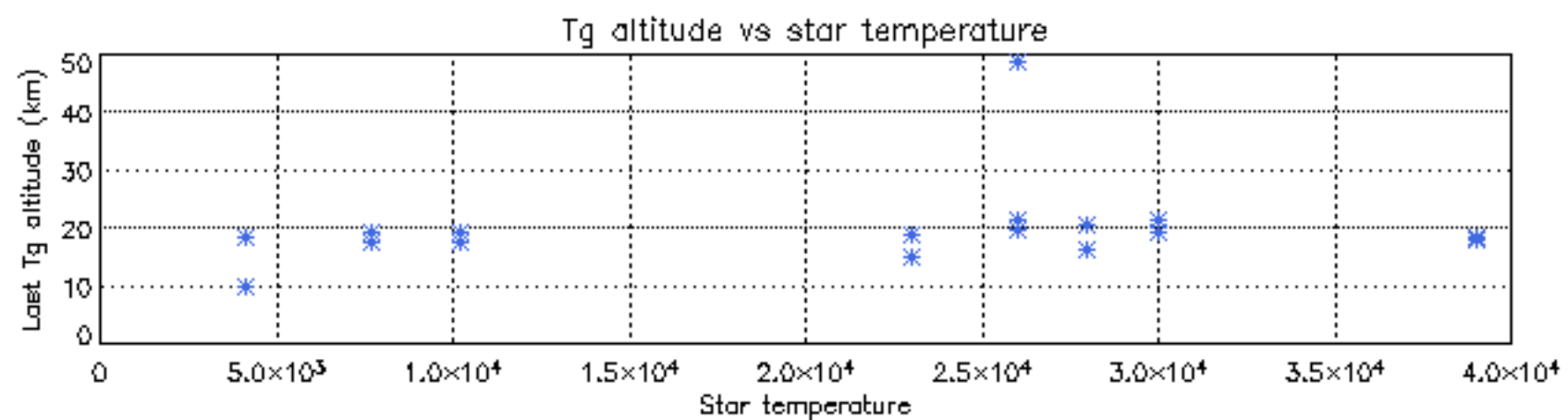
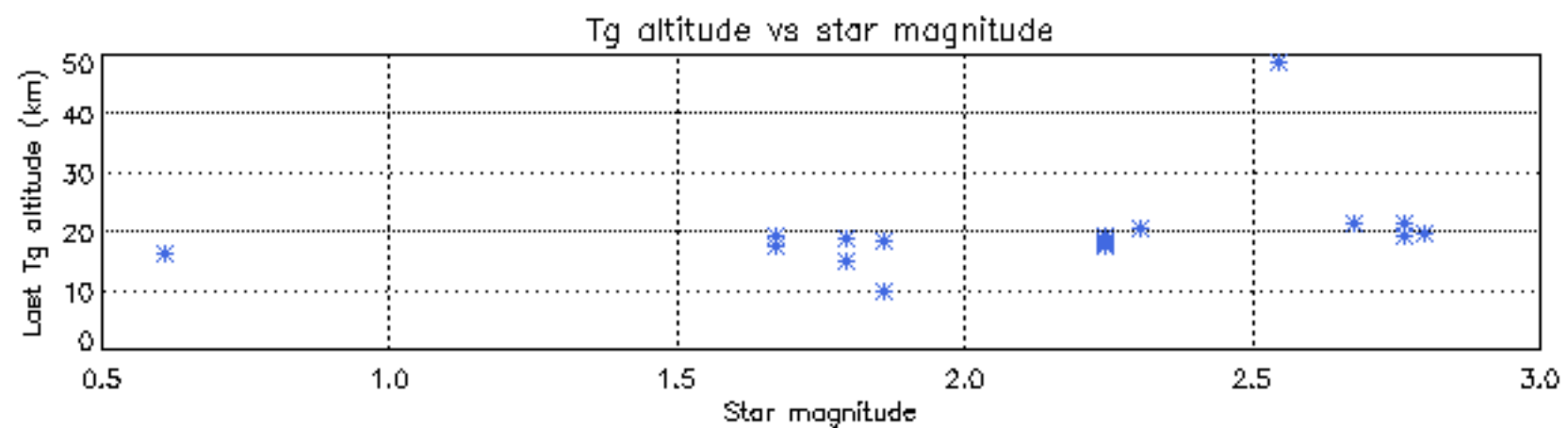
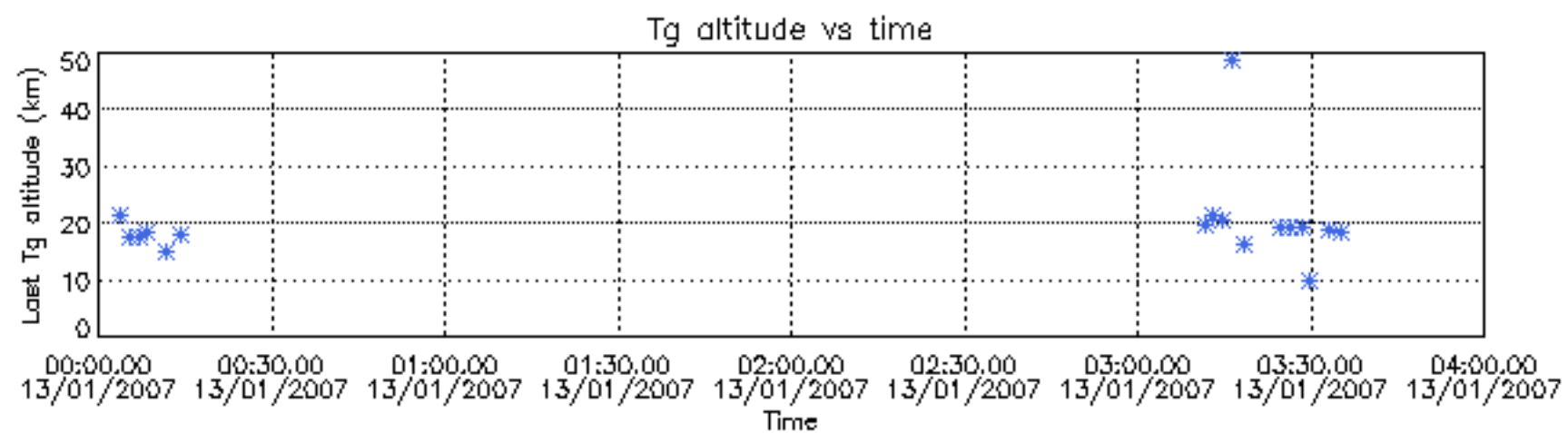
Percentage of star falling outside central band per profile



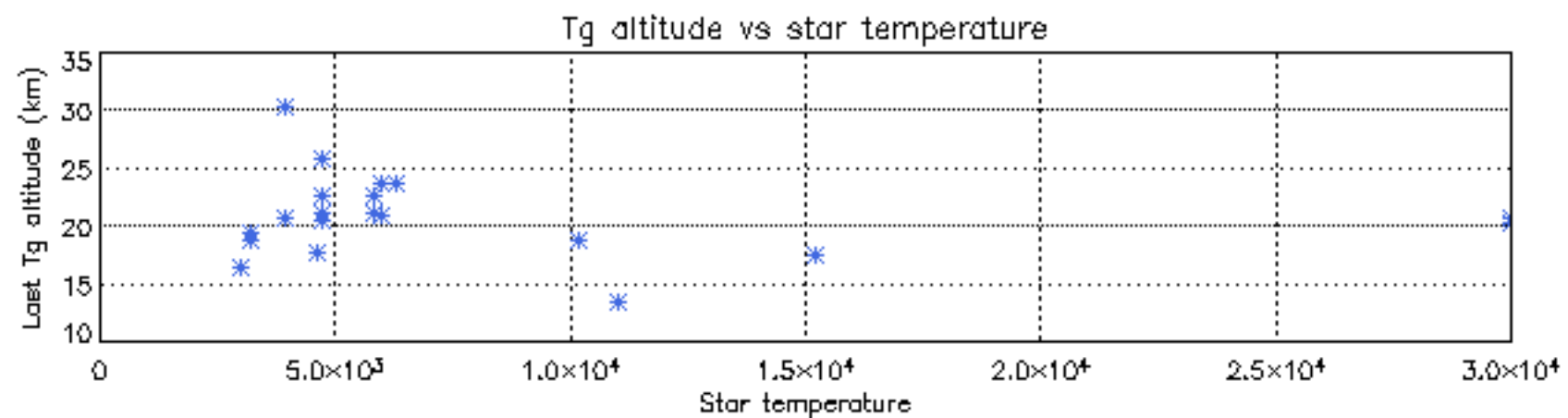
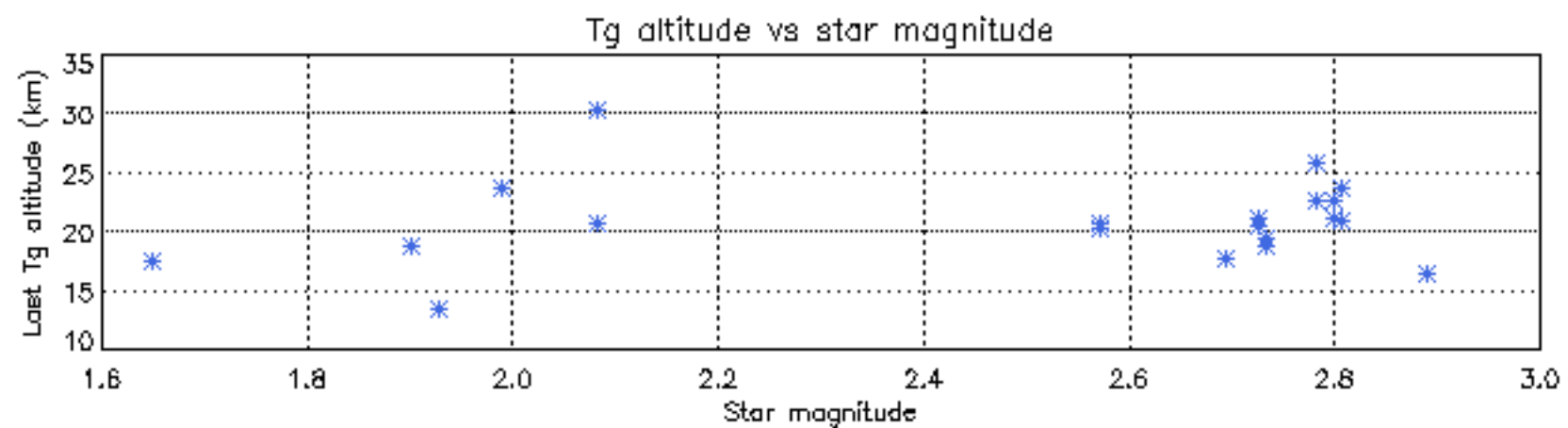
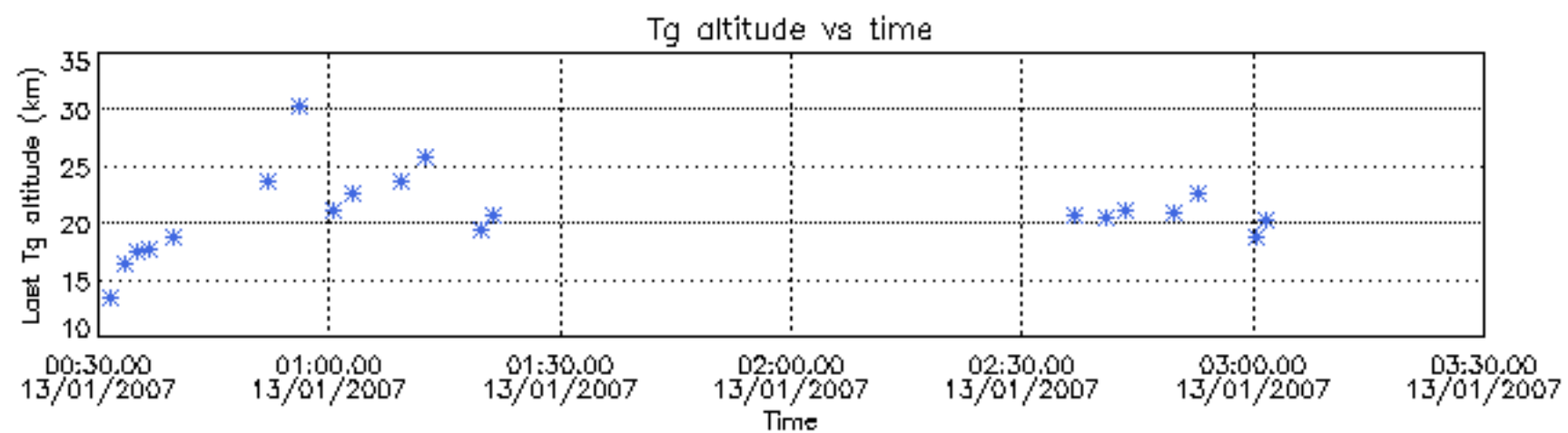
Percentage of saturation errors per profile

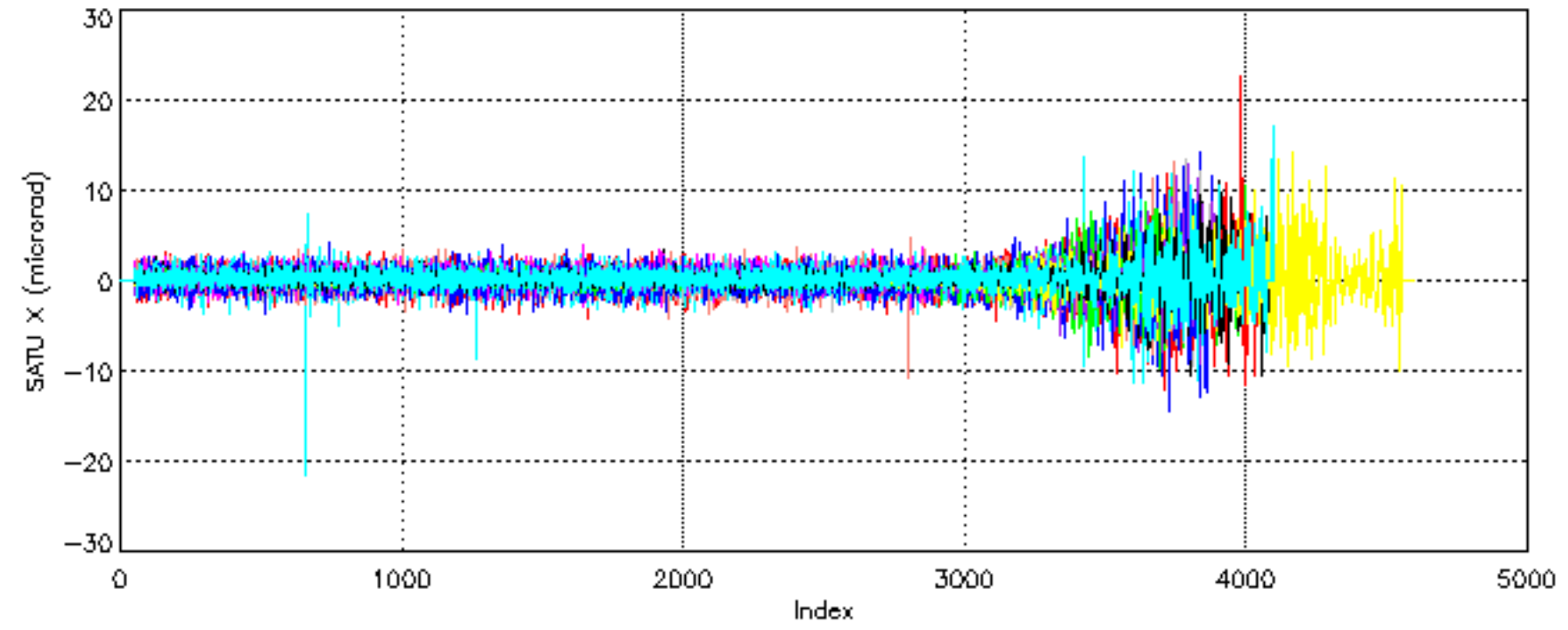


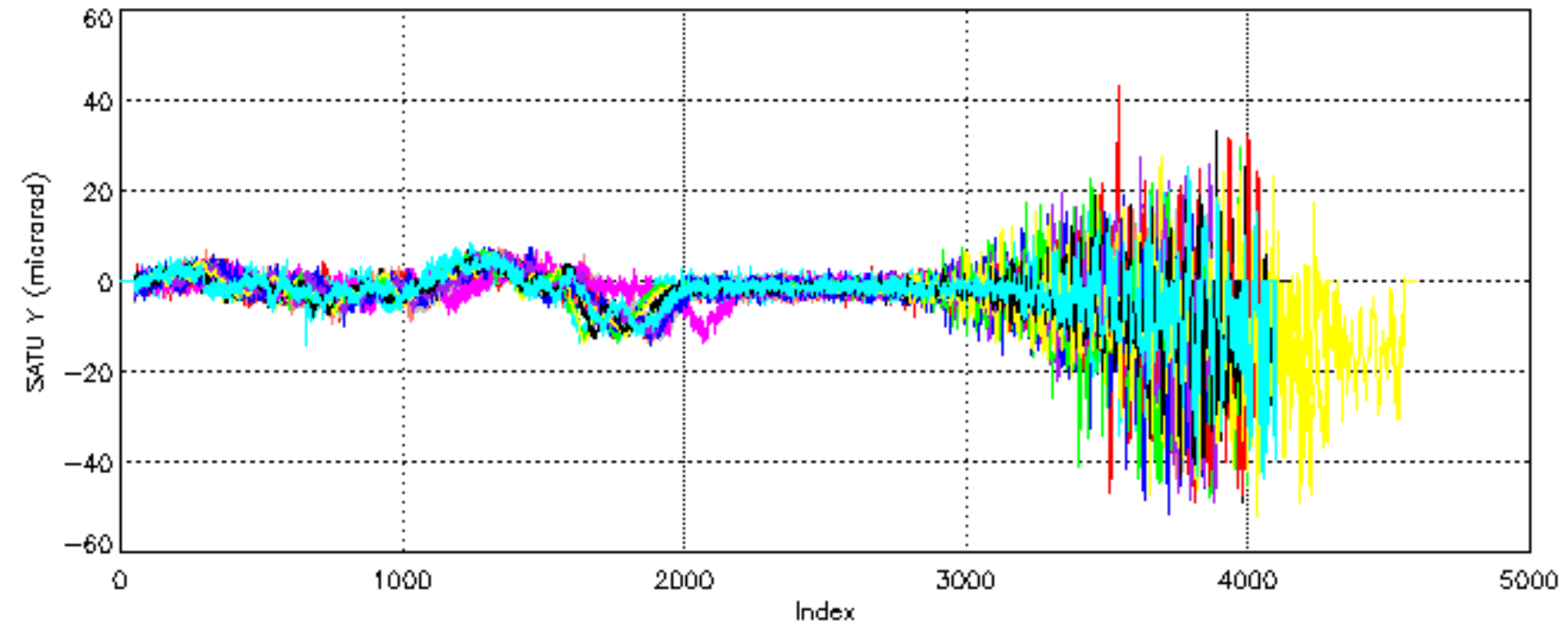
Tangent altitude at which the star is lost

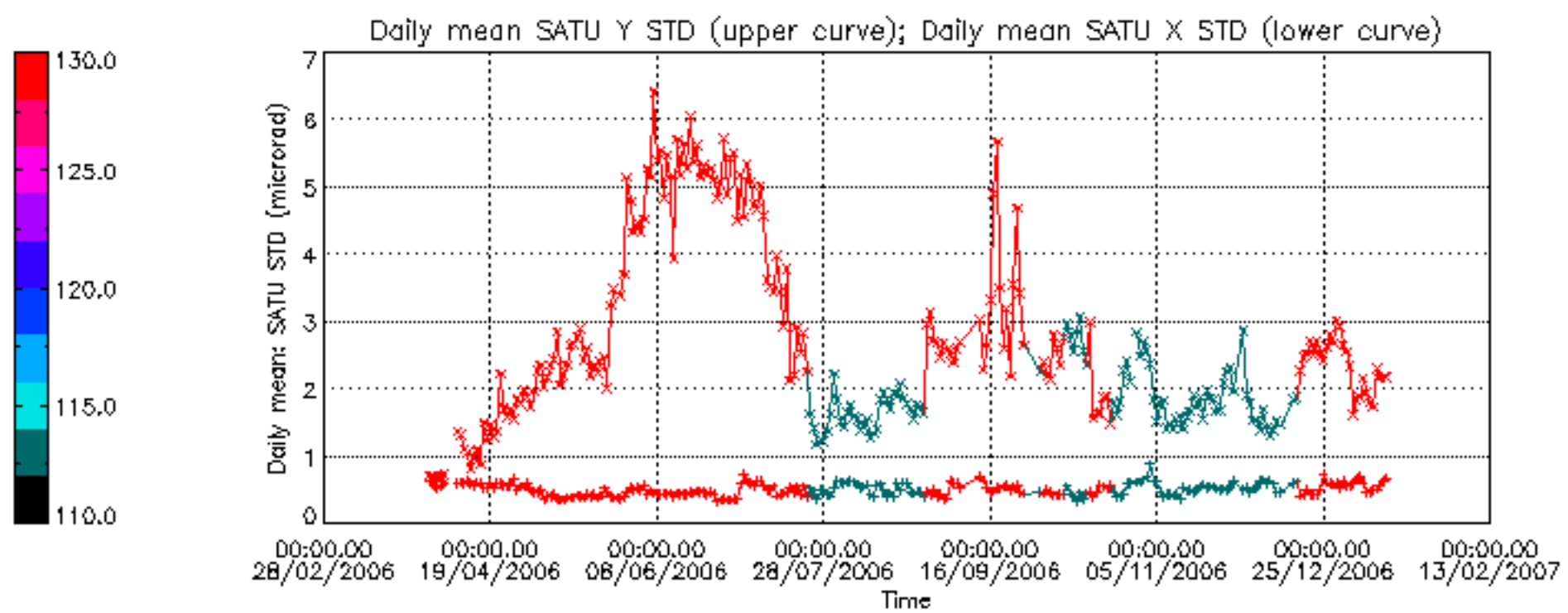


Tangent altitude at which the star is lost









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 2; -193.3; 01-JAN-2007 01:08:57; Dark ; 40.0; 78; Alp Lup ; 2.30; 28000;occ; 80; 0;25292
 3; -105.1; 01-JAN-2007 01:10:25; Dark ; 40.0; 95; Zet Cen ; 2.55; 26000;occ; 80; 0;25292
 4; 38.6; 01-JAN-2007 01:12:49; Dark ; 42.0; 10; Bet Cen ; 0.61; 28000;occ; 84; 0;25293
 5; 228.2; 01-JAN-2007 01:15:58; Dark ; 49.0; 12; Alp1Cru ; 0.77; 30000;occ; 98; 0;25293
 6; 429.2; 01-JAN-2007 01:19:19; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;25293
 7; 546.4; 01-JAN-2007 01:21:17; Dark ; 39.0; 29; Bet Car ; 1.67; 10200;occ; 78; 0;25293
 8; 629.3; 01-JAN-2007 01:22:40; Dark ; 39.5; 71; Iot Car ; 2.25; 7700;occ; 79; 0;25293
 9; 731.4; 01-JAN-2007 01:24:22; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;25293
 10; 978.2; 01-JAN-2007 01:28:28; Dark ; 52.5; 2; Alp Car ; -0.74; 7000;occ; 105; 0;25293
 11; 1171.6; 01-JAN-2007 01:31:42; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;25293
 12; 1340.2; 01-JAN-2007 01:34:30; Dark ; 47.0; 23; 21Eps CMA ; 1.50; 26000;occ; 94; 0;25293
 13; 1569.2; 01-JAN-2007 01:38:19; Dark ; 43.0; 47; 2Bet CMA ; 1.98; 28000;occ; 86; 0;25293
 14; 1769.4; 01-JAN-2007 01:41:40; Dark ; 45.0; 7; 19Bet Ori ; 0.10; 14000;occ; 90; 0;25293
 15; 1881.5; 01-JAN-2007 01:43:32; Dark ; 42.5; 30; 46Eps Ori ; 1.69; 30000;occ; 85; 0;25293
 16; 2033.3; 01-JAN-2007 01:46:04; Dark ; 52.5; 14; 58Alp Ori ; 0.87; 3000;occ; 105; 0;25293
 17; 2271.5; 01-JAN-2007 01:50:02; Bright; 37.5; 176; 23Zet Tau ; 3.02; 22000;occ; 75; 0;25293
 18; 2397.8; 01-JAN-2007 01:52:08; Bright; 38.5; 28; 12Bet Tau ; 1.65; 15200;occ; 77; 0;25293
 19; 2472.5; 01-JAN-2007 01:53:23; Bright; 38.0; 114; 3Iot Aur ; 2.69; 4600;occ; 76; 0;25293
 20; 2568.2; 01-JAN-2007 01:54:58; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;25293
 21; 2693.1; 01-JAN-2007 01:57:03; Bright; 41.0; 6; 13Alp Aur ; 0.08; 3400;occ; 82; 0;25293
 22; 3423.2; 01-JAN-2007 02:09:13; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;25293
 23; 3691.3; 01-JAN-2007 02:13:42; Bright; 5.5; 60; 7Bet UMi ; 2.08; 3950;occ; 11; 0;25293

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1; -2344.6; 01-JAN-2007 02:13:42; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;25293
 2; -2114.0; 01-JAN-2007 02:17:32; Bright; 36.0; 119; 14Eta Dra ; 2.73; 4700;occ; 72; 0;25293
 3; -1490.4; 01-JAN-2007 02:27:56; Bright; 37.0; 67; 5Alp CrB ; 2.22; 11000;occ; 74; 0;25293
 4; -1146.0; 01-JAN-2007 02:33:40; Bright; 35.5; 102; 24Alp Ser ; 2.60; 4250;occ; 71; 0;25293
 5; -842.6; 01-JAN-2007 02:38:44; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;25293
 6; -281.2; 01-JAN-2007 02:48:05; Dark ; 38.0; 109; Bet Lup ; 2.68; 26000;occ; 76; 0;25293
 7; -192.8; 01-JAN-2007 02:49:33; Dark ; 37.5; 78; Alp Lup ; 2.30; 28000;occ; 75; 0;25293
 8; -104.3; 01-JAN-2007 02:51:02; Dark ; 39.0; 95; Zet Cen ; 2.55; 26000;occ; 78; 0;25293
 9; 39.0; 01-JAN-2007 02:53:25; Dark ; 46.5; 10; Bet Cen ; 0.61; 28000;occ; 93; 0;25294
 10; 228.9; 01-JAN-2007 02:56:35; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;25294
 11; 429.7; 01-JAN-2007 02:59:56; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;25294
 12; 547.0; 01-JAN-2007 03:01:53; Dark ; 38.5; 29; Bet Car ; 1.67; 10200;occ; 77; 0;25294
 13; 629.9; 01-JAN-2007 03:03:16; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;25294
 14; 732.0; 01-JAN-2007 03:04:58; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;25294
 15; 978.5; 01-JAN-2007 03:09:05; Dark ; 44.0; 2; Alp Car ; -0.74; 7000;occ; 88; 0;25294
 16; 1172.1; 01-JAN-2007 03:12:18; Dark ; 44.5; 117; Pi Pup ; 2.71; 3800;occ; 89; 0;25294
 17; 1340.5; 01-JAN-2007 03:15:07; Dark ; 44.5; 23; 21Eps CMA ; 1.50; 26000;occ; 89; 0;25294
 18; 1569.2; 01-JAN-2007 03:18:55; Dark ; 44.5; 47; 2Bet CMA ; 1.98; 28000;occ; 89; 0;25294
 19; 1769.6; 01-JAN-2007 03:22:16; Dark ; 45.0; 7; 19Bet Ori ; 0.10; 14000;occ; 90; 0;25294
 20; 1881.5; 01-JAN-2007 03:24:08; Dark ; 42.5; 30; 46Eps Ori ; 1.69; 30000;occ; 85; 0;25294
 21; 2033.2; 01-JAN-2007 03:26:39; Dark ; 51.5; 14; 58Alp Ori ; 0.87; 3000;occ; 103; 0;25294
 22; 2271.5; 01-JAN-2007 03:30:38; Bright; 38.5; 176; 23Zet Tau ; 3.02; 22000;occ; 77; 0;25294
 23; 2397.7; 01-JAN-2007 03:32:44; Bright; 38.0; 28; 12Bet Tau ; 1.65; 15200;occ; 76; 0;25294
 24; 2472.6; 01-JAN-2007 03:33:59; Bright; 37.5; 114; 3Iot Aur ; 2.69; 4600;occ; 75; 0;25294
 25; 2567.8; 01-JAN-2007 03:35:34; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;25294
 26; 2693.1; 01-JAN-2007 03:37:39; Bright; 39.0; 6; 13Alp Aur ; 0.08; 3400;occ; 78; 0;25294
 27; 3423.2; 01-JAN-2007 03:49:49; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;25294

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 2; -2114.0; 01-JAN-2007 03:58:08; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;25294
 3; -1614.0; 01-JAN-2007 04:06:28; Bright; 28.0; 133; 40Zet Her ; 2.81; 6000;occ; 56; 0;25294
 4; -1490.3; 01-JAN-2007 04:08:32; Bright; 36.0; 67; 5Alp CrB ; 2.22; 11000;occ; 72; 0;25294
 5; -1145.6; 01-JAN-2007 04:14:17; Bright; 35.0; 102; 24Alp Ser ; 2.60; 4250;occ; 70; 0;25294
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 8; -280.8; 01-JAN-2007 04:28:41; Dark ; 38.0; 109; Bet Lup ; 2.68; 26000;occ; 76; 0;25294
 9; -192.3; 01-JAN-2007 04:30:10; Dark ; 38.0; 78; Alp Lup ; 2.30; 28000;occ; 76; 0;25294
 10; -103.8; 01-JAN-2007 04:31:38; Dark ; 39.5; 95; Zet Cen ; 2.55; 26000;occ; 79; 0;25294
 11; 39.4; 01-JAN-2007 04:34:02; Dark ; 49.5; 10; Bet Cen ; 0.61; 28000;occ; 99; 0;25295
 12; 229.3; 01-JAN-2007 04:37:11; Dark ; 46.0; 12; Alp1Cru ; 0.77; 30000;occ; 92; 0;25295
 13; 430.3; 01-JAN-2007 04:40:32; Dark ; 37.5; 124; The Car ; 2.76; 30000;occ; 75; 0;25295
 14; 547.2; 01-JAN-2007 04:42:29; Dark ; 38.5; 29; Bet Car ; 1.67; 10200;occ; 77; 0;25295
 15; 630.4; 01-JAN-2007 04:43:53; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;25295


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16; 732.5; 01-JAN-2007 04:45:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;25295
17; 978.8; 01-JAN-2007 04:49:41; Dark ; 50.5; 2; Alp Car ;-0.74; 7000;occ; 101; 0;25295
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6; 2472.6; 01-JAN-2007 10:16:23; Bright; 37.0; 114; 3Iot Aur ; 2.69; 4600;occ; 74; 0;25298
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11; 3922.1; 01-JAN-2007 10:40:32; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;25298
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13; 4423.0; 01-JAN-2007 14:10:05; Bright; 34.0; 133; 40Zet Her ; 2.81; 6000;occ; 68; 0;25300
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21; 2558.2; 04-JAN-2007 02:00:33; Bright; 36.0; 107; 37The Aur ; 2.65; 11000;occ; 72; 0;25336
22; 2690.2; 04-JAN-2007 02:02:45; Bright; 42.5; 6; 13Alp Aur ; 0.08; 3400;occ; 85; 0;25336
23; 3423.6; 04-JAN-2007 02:14:58; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;25336

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3;-1607.4; 04-JAN-2007 02:31:43; Bright; 34.5; 133; 40Zet Her ; 2.81; 6000;occ; 69; 0;25336
4;-1482.4; 04-JAN-2007 02:33:48; Bright; 37.5; 67; 5Alp CrB ; 2.22; 11000;occ; 75; 0;25336
5;-1132.6; 04-JAN-2007 02:39:38; Bright; 35.5; 102; 24Alp Ser ; 2.60; 4250;occ; 71; 0;25336
6; -995.6; 04-JAN-2007 02:41:55; Bright; 33.0; 120; 1Del Oph ; 2.73; 3200;occ; 66; 0;25336
7; -822.2; 04-JAN-2007 02:44:48; Bright; 39.5; 104; 27Bet Lib ; 2.61; 13100;occ; 79; 0;25336
8; -657.1; 04-JAN-2007 02:47:34; Dark ; 43.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 86; 0;25336
9; -345.9; 04-JAN-2007 02:52:45; Dark ; 36.0; 131; Gam Lup ; 2.80; 26000;occ; 72; 0;25336
10; -261.8; 04-JAN-2007 02:54:09; Dark ; 37.5; 109; Bet Lup ; 2.68; 26000;occ; 75; 0;25336
11; -172.6; 04-JAN-2007 02:55:38; Dark ; 39.0; 78; Alp Lup ; 2.30; 28000;occ; 78; 0;25336
12; -77.2; 04-JAN-2007 02:57:13; Dark ; 40.5; 95; Zet Cen ; 2.55; 26000;occ; 81; 0;25336
13; 25.4; 04-JAN-2007 02:58:56; Dark ; 39.0; 77; Eps Cen ; 2.30; 28000;occ; 78; 0;25337
14; 251.0; 04-JAN-2007 03:02:42; Dark ; 41.0; 12; Alp1Cru ; 0.77; 30000;occ; 82; 0;25337
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16; 562.3; 04-JAN-2007 03:07:53; Dark ; 37.5; 29; Bet Car ; 1.67; 10200;occ; 75; 0;25337
17; 652.6; 04-JAN-2007 03:09:23; Dark ; 41.0; 71; Iot Car ; 2.25; 7700;occ; 82; 0;25337
18; 756.9; 04-JAN-2007 03:11:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;25337
19; 937.2; 04-JAN-2007 03:14:08; Dark ; 44.0; 34; Gam2Vel ; 1.79; 23000;occ; 88; 0;25337
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21; 1187.4; 04-JAN-2007 03:18:18; Dark ; 47.0; 117; Pi Pup ; 2.71; 3800;occ; 94; 0;25337
22; 1352.0; 04-JAN-2007 03:21:03; Dark ; 44.5; 23; 21Eps CMA ; 1.50; 26000;occ; 89; 0;25337
23; 1442.8; 04-JAN-2007 03:22:33; Dark ; 44.0; 179; 240mi2CMA ; 3.03; 24000;occ; 88; 0;25337
24; 1587.0; 04-JAN-2007 03:24:58; Dark ; 56.0; 1; 9Alp CMA ;-1.44; 11000;occ; 112; 0;25337
25; 1775.5; 04-JAN-2007 03:28:06; Dark ; 52.0; 7; 19Bet Ori ; 0.10; 14000;occ; 104; 0;25337
26; 1884.5; 04-JAN-2007 03:29:55; Dark ; 43.5; 30; 46Eps Ori ; 1.69; 30000;occ; 87; 0;25337
27; 2031.5; 04-JAN-2007 03:32:22; Dark ; 50.0; 14; 58Alp Ori ; 0.87; 3000;occ; 100; 0;25337
28; 2268.7; 04-JAN-2007 03:36:19; Bright; 36.5; 176; 23Zet Tau ; 3.02; 22000;occ; 73; 0;25337
29; 2395.4; 04-JAN-2007 03:38:26; Bright; 46.5; 28; 12Bet Tau ; 1.65; 15200;occ; 93; 0;25337
30; 2474.6; 04-JAN-2007 03:39:45; Bright; 37.5; 114; 3Iot Aur ; 2.69; 4600;occ; 75; 0;25337
31; 2558.1; 04-JAN-2007 03:41:09; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;25337
32; 2690.2; 04-JAN-2007 03:43:21; Bright; 40.0; 6; 13Alp Aur ; 0.08; 3400;occ; 80; 0;25337
33; 3423.6; 04-JAN-2007 03:55:34; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;25337

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2;-2112.4; 04-JAN-2007 04:03:54; Bright; 36.0; 119; 14Eta Dra ; 2.73; 4700;occ; 72; 0;25337
3;-1607.4; 04-JAN-2007 04:12:19; Bright; 34.0; 133; 40Zet Her ; 2.81; 6000;occ; 68; 0;25337
4;-1482.0; 04-JAN-2007 04:14:25; Bright; 37.0; 67; 5Alp CrB ; 2.22; 11000;occ; 74; 0;25337
5;-1132.3; 04-JAN-2007 04:20:14; Bright; 36.0; 102; 24Alp Ser ; 2.60; 4250;occ; 72; 0;25337
6; -995.3; 04-JAN-2007 04:22:31; Bright; 33.5; 120; 1Del Oph ; 2.73; 3200;occ; 67; 0;25337
7; -821.8; 04-JAN-2007 04:25:25; Bright; 51.0; 104; 27Bet Lib ; 2.61; 13100;occ; 102; 0;25337
8; -656.3; 04-JAN-2007 04:28:10; Dark ; 41.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 83; 0;25337
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12; -76.6; 04-JAN-2007 04:37:50; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;25337
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14; 141.5; 04-JAN-2007 04:41:28; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;25338
15; 251.6; 04-JAN-2007 04:43:18; Dark ; 39.0; 12; Alp1Cru ; 0.77; 30000;occ; 78; 0;25338
16; 452.7; 04-JAN-2007 04:46:39; Dark ; 38.0; 124; The Car ; 2.76; 30000;occ; 76; 0;25338
17; 562.7; 04-JAN-2007 04:48:29; Dark ; 38.5; 29; Bet Car ; 1.67; 10200;occ; 77; 0;25338

18; 653.1; 04-JAN-2007 04:50:00; Dark ; 42.0; 71; Iot Car ; 2.25; 7700;occ; 84; 0;25338
 19; 757.4; 04-JAN-2007 04:51:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;25338
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 21; 1068.9; 04-JAN-2007 04:56:55; Dark ; 32.0; 70; Zet Pup ; 2.25; 39000;occ; 64; 0;25338
 22; 1187.7; 04-JAN-2007 04:58:54; Dark ; 44.0; 117; Pi Pup ; 2.71; 3800;occ; 88; 0;25338
 23; 1352.3; 04-JAN-2007 05:01:39; Dark ; 45.0; 23; 21Eps CMA ; 1.50; 26000;occ; 90; 0;25338
 24; 1443.2; 04-JAN-2007 05:03:10; Dark ; 44.0; 179; 240mi2CMA ; 3.03; 24000;occ; 88; 0;25338
 25; 1587.1; 04-JAN-2007 05:05:34; Dark ; 57.0; 1; 9Alp CMA ; -1.44; 11000;occ; 114; 0;25338
 26; 1775.7; 04-JAN-2007 05:08:42; Dark ; 52.0; 7; 19Bet Ori ; 0.10; 14000;occ; 104; 0;25338
 27; 1884.6; 04-JAN-2007 05:10:31; Dark ; 42.5; 30; 46Eps Ori ; 1.69; 30000;occ; 85; 0;25338
 28; 2031.5; 04-JAN-2007 05:12:58; Dark ; 47.5; 14; 58Alp Ori ; 0.87; 3000;occ; 95; 0;25338
 29; 2268.7; 04-JAN-2007 05:16:55; Bright; 35.0; 176; 23Zet Tau ; 3.02; 22000;occ; 70; 0;25338
 30; 2395.3; 04-JAN-2007 05:19:02; Bright; 37.0; 28; 12Bet Tau ; 1.65; 15200;occ; 74; 0;25338
 31; 2474.6; 04-JAN-2007 05:20:21; Bright; 36.5; 114; 3Iot Aur ; 2.69; 4600;occ; 73; 0;25338
 32; 2557.8; 04-JAN-2007 05:21:44; Bright; 36.5; 107; 37The Aur ; 2.65; 11000;occ; 73; 0;25338
 33; 2690.2; 04-JAN-2007 05:23:57; Bright; 52.0; 6; 13Alp Aur ; 0.08; 3400;occ; 104; 0;25338
 34; 3423.7; 04-JAN-2007 05:36:10; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;25338
 35; 3686.6; 04-JAN-2007 05:40:33; Bright; 29.0; 60; 7Bet UMi ; 2.08; 3950;occ; 58; 0;25338

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 3; -1607.3; 04-JAN-2007 05:52:55; Bright; 34.5; 133; 40Zet Her ; 2.81; 6000;occ; 69; 0;25338
 4; -1481.8; 04-JAN-2007 05:55:01; Bright; 36.5; 67; 5Alp CrB ; 2.22; 11000;occ; 73; 0;25338
 5; -1132.0; 04-JAN-2007 06:00:51; Bright; 36.0; 102; 24Alp Ser ; 2.60; 4250;occ; 72; 0;25338
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 7; -821.4; 04-JAN-2007 06:06:01; Bright; 50.0; 104; 27Bet Lib ; 2.61; 13100;occ; 100; 0;25338
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 9; -345.2; 04-JAN-2007 06:13:57; Dark ; 38.0; 131; Gam Lup ; 2.80; 26000;occ; 76; 0;25338
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 11; -171.8; 04-JAN-2007 06:16:51; Dark ; 40.0; 78; Alp Lup ; 2.30; 28000;occ; 80; 0;25338
 12; -76.0; 04-JAN-2007 06:18:27; Dark ; 41.0; 95; Zet Cen ; 2.55; 26000;occ; 82; 0;25338
 13; 26.6; 04-JAN-2007 06:20:09; Dark ; 39.0; 77; Eps Cen ; 2.30; 28000;occ; 78; 0;25339
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 19; 757.9; 04-JAN-2007 06:32:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;25339
 20; 938.1; 04-JAN-2007 06:35:21; Dark ; 44.0; 34; Gam2Vel ; 1.79; 23000;occ; 88; 0;25339
 21; 1069.3; 04-JAN-2007 06:37:32; Dark ; 32.0; 70; Zet Pup ; 2.25; 39000;occ; 64; 0;25339
 22; 1188.1; 04-JAN-2007 06:39:31; Dark ; 50.0; 117; Pi Pup ; 2.71; 3800;occ; 100; 0;25339
 23; 1352.5; 04-JAN-2007 06:42:15; Dark ; 46.5; 23; 21Eps CMA ; 1.50; 26000;occ; 93; 0;25339
 24; 1443.2; 04-JAN-2007 06:43:46; Dark ; 40.0; 179; 240mi2CMA ; 3.03; 24000;occ; 80; 0;25339
 25; 1587.3; 04-JAN-2007 06:46:10; Dark ; 46.5; 1; 9Alp CMA ; -1.44; 11000;occ; 93; 0;25339
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 27; 1884.6; 04-JAN-2007 06:51:07; Dark ; 44.0; 30; 46Eps Ori ; 1.69; 30000;occ; 88; 0;25339
 28; 2031.4; 04-JAN-2007 06:53:34; Dark ; 46.0; 14; 58Alp Ori ; 0.87; 3000;occ; 92; 0;25339
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 31; 2474.6; 04-JAN-2007 07:00:57; Bright; 37.0; 114; 3Iot Aur ; 2.69; 4600;occ; 74; 0;25339
 32; 2557.7; 04-JAN-2007 07:02:20; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;25339
 33; 2690.1; 04-JAN-2007 07:04:33; Bright; 38.0; 6; 13Alp Aur ; 0.08; 3400;occ; 76; 0;25339
 34; 3423.7; 04-JAN-2007 07:16:46; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;25339
 35; 3686.5; 04-JAN-2007 07:21:09; Bright; 34.0; 60; 7Bet UMi ; 2.08; 3950;occ; 68; 0;25339

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 2; 1190.6; 04-JAN-2007 20:04:21; Dark ; 48.0; 117; Pi Pup ; 2.71; 3800;occ; 96; 0;25347
 3; 1354.3; 04-JAN-2007 20:07:04; Dark ; 44.0; 23; 21Eps CMA ; 1.50; 26000;occ; 88; 0;25347
 4; 1444.9; 04-JAN-2007 20:08:35; Dark ; 43.5; 179; 240mi2CMA ; 3.03; 24000;occ; 87; 0;25347
 5; 1588.1; 04-JAN-2007 20:10:58; Dark ; 51.5; 1; 9Alp CMA ; -1.44; 11000;occ; 103; 0;25347
 6; 1736.5; 04-JAN-2007 20:13:26; Dark ; 43.0; 56; 53Kap Ori ; 2.07; 30000;occ; 86; 0;25347
 7; 1885.1; 04-JAN-2007 20:15:55; Dark ; 44.5; 30; 46Eps Ori ; 1.69; 30000;occ; 89; 0;25347
 8; 2031.1; 04-JAN-2007 20:18:21; Dark ; 54.0; 14; 58Alp Ori ; 0.87; 3000;occ; 108; 0;25347
 9; 2268.2; 04-JAN-2007 20:22:18; Bright; 35.5; 176; 23Zet Tau ; 3.02; 22000;occ; 71; 0;25347
 10; 2394.9; 04-JAN-2007 20:24:25; Bright; 37.5; 28; 12Bet Tau ; 1.65; 15200;occ; 75; 0;25347
 11; 2475.2; 04-JAN-2007 20:25:45; Bright; 37.0; 114; 3Iot Aur ; 2.69; 4600;occ; 74; 0;25347
 12; 2556.0; 04-JAN-2007 20:27:06; Bright; 37.5; 107; 37The Aur ; 2.65; 11000;occ; 75; 0;25347
 13; 2689.8; 04-JAN-2007 20:29:20; Bright; 38.5; 6; 13Alp Aur ; 0.08; 3400;occ; 77; 0;25347

14; 3423.6; 04-JAN-2007 20:41:34; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;25347
 15; 3685.4; 04-JAN-2007 20:45:55; Bright; 33.5; 60; 7Bet UMi ; 2.08; 3950;occ; 67; 0;25347
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 17; 4430.1; 04-JAN-2007 20:58:20; Bright; 33.5; 133; 40Zet Her ; 2.81; 6000;occ; 67; 0;25347
 18; 4555.6; 04-JAN-2007 21:00:26; Bright; 38.0; 67; 5Alp CrB ; 2.22; 11000;occ; 76; 0;25347
 19; 4906.8; 04-JAN-2007 21:06:17; Bright; 47.5; 102; 24Alp Ser ; 2.60; 4250;occ; 95; 0;25347
 20; 5043.1; 04-JAN-2007 21:08:33; Bright; 11.0; 120; 1Del Oph ; 2.73; 3200;occ; 22; 0;25347

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 10; 256.7; 04-JAN-2007 21:29:23; Dark ; 39.5; 12; Alp1Cru ; 0.77; 30000;occ; 79; 0;25348
 11; 457.7; 04-JAN-2007 21:32:44; Dark ; 38.0; 124; The Car ; 2.76; 30000;occ; 76; 0;25348
 12; 566.1; 04-JAN-2007 21:34:32; Dark ; 41.5; 29; Bet Car ; 1.67; 10200;occ; 83; 0;25348
 13; 658.3; 04-JAN-2007 21:36:04; Dark ; 41.5; 71; Iot Car ; 2.25; 7700;occ; 83; 0;25348
 14; 763.0; 04-JAN-2007 21:37:49; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;25348
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 19; 1445.0; 04-JAN-2007 21:49:11; Dark ; 42.5; 179; 240mi2CMA ; 3.03; 24000;occ; 85; 0;25348
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 22; 1885.2; 04-JAN-2007 21:56:31; Dark ; 42.5; 30; 46Eps Ori ; 1.69; 30000;occ; 85; 0;25348
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 24; 2268.2; 04-JAN-2007 22:02:54; Bright; 37.0; 176; 23Zet Tau ; 3.02; 22000;occ; 74; 0;25348
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 32; 4430.3; 04-JAN-2007 22:38:56; Bright; 34.0; 133; 40Zet Her ; 2.81; 6000;occ; 68; 0;25348
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 16; 5058.3; 08-JAN-2007 08:58:44; Bright; 34.5; 120; 1Del Oph ; 2.73; 3200;occ; 69; 0;25397
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 18; 5713.2; 08-JAN-2007 09:09:39; Dark ; 37.0; 131; Gam Lup ; 2.80; 26000;occ; 74; 0;25397
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 31; 7630.6; 08-JAN-2007 09:41:36; Dark ; 47.0; 1; 9Alp CMa ; -1.44; 11000;occ; 94; 0;25397

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 12; 4064.6; 08-JAN-2007 12:03:22; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;25399
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 23; 6044.9; 12-JAN-2007 13:51:05; Dark ; 41.5; 95; Zet Cen ; 2.55; 26000;occ; 83; 0;25457
 24; 6148.2; 12-JAN-2007 13:52:48; Dark ; 39.5; 10; Bet Cen ; 0.61; 28000;occ; 79; 0;25457
 25; 6303.1; 12-JAN-2007 13:55:23; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;25457
 26; 6549.5; 12-JAN-2007 13:59:30; Dark ; 38.0; 124; The Car ; 2.76; 30000;occ; 76; 0;25457
 27; 6639.2; 12-JAN-2007 14:00:59; Dark ; 39.0; 29; Bet Car ; 1.67; 10200;occ; 78; 0;25457
 28; 6748.3; 12-JAN-2007 14:02:48; Dark ; 38.5; 71; Iot Car ; 2.25; 7700;occ; 77; 0;25457
 29; 6827.7; 12-JAN-2007 14:04:08; Dark ; 38.5; 41; Eps Car ; 1.86; 4100;occ; 77; 0;25457
 30; 7026.5; 12-JAN-2007 14:07:27; Dark ; 44.5; 34; Gam2Vel ; 1.79; 23000;occ; 89; 0;25457
 31; 7156.0; 12-JAN-2007 14:09:36; Dark ; 41.0; 70; Zet Pup ; 2.25; 39000;occ; 82; 0;25457
 32; 7260.7; 12-JAN-2007 14:11:21; Dark ; 43.0; 117; Pi Pup ; 2.71; 3800;occ; 86; 0;25457
 33; 7416.5; 12-JAN-2007 14:13:57; Dark ; 44.0; 23; 21Eps CMA ; 1.50; 26000;occ; 88; 0;25457
 34; 7502.8; 12-JAN-2007 14:15:23; Dark ; 4.5; 179; 240mi2CMA ; 3.03; 24000;occ; 9; 0;25457

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 3; 1602.7; 12-JAN-2007 14:17:39; Dark ; 48.0; 1; 9Alp CMA ; -1.44; 11000;occ; 96; 0;25458
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 5; 1820.8; 12-JAN-2007 14:21:17; Dark ; 38.0; 125; 44Iot Ori ; 2.77; 30000;occ; 76; 0;25458
 6; 1898.6; 12-JAN-2007 14:22:35; Dark ; 39.5; 30; 46Eps Ori ; 1.69; 30000;occ; 79; 0;25458
 7; 2035.0; 12-JAN-2007 14:24:51; Dark ; 10.5; 14; 58Alp Ori ; 0.87; 3000;occ; 21; 0;25458

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 3; 2271.1; 12-JAN-2007 14:28:47; Bright; 36.0; 176; 23Zet Tau ; 3.02; 22000;occ; 72; 0;25458

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5; 2490.6; 12-JAN-2007 14:32:27; Bright; 38.0; 114; 3Iot Aur ; 2.69; 4600;occ; 76; 0;25458
6; 2674.6; 12-JAN-2007 14:35:31; Bright; 36.0; 42; 34Bet Aur ; 1.90; 10200;occ; 72; 0;25458
7; 3424.7; 12-JAN-2007 14:48:01; Bright; 32.0; 49; 1Alp UMi ; 1.99; 6300;occ; 64; 0;25458
8; 3670.7; 12-JAN-2007 14:52:07; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;25458
9; 3924.1; 12-JAN-2007 14:56:20; Bright; 36.0; 119; 14Eta Dra ; 2.73; 4700;occ; 72; 0;25458
10; 4072.7; 12-JAN-2007 14:58:49; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;25458
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12; 4630.5; 12-JAN-2007 15:08:07; Bright; 36.5; 127; 27Bet Her ; 2.78; 4700;occ; 73; 0;25458
13; 5080.2; 12-JAN-2007 15:15:36; Bright; 38.5; 120; 1Del Oph ; 2.73; 3200;occ; 77; 0;25458
14; 5165.5; 12-JAN-2007 15:17:02; Bright; 53.0; 98; 13Zet Oph ; 2.57; 30000;occ; 106; 0;25458
15; 5432.1; 12-JAN-2007 15:21:28; Dark ; 46.0; 16; 21Alp Sco ; 1.02; 3000;occ; 92; 0;25458
16; 5740.6; 12-JAN-2007 15:26:37; Dark ; 37.5; 131; Gam Lup ; 2.80; 26000;occ; 75; 0;25458
17; 5840.0; 12-JAN-2007 15:28:16; Dark ; 38.0; 109; Bet Lup ; 2.68; 26000;occ; 76; 0;25458
18; 5930.6; 12-JAN-2007 15:29:47; Dark ; 39.5; 78; Alp Lup ; 2.30; 28000;occ; 79; 0;25458
19; 6045.7; 12-JAN-2007 15:31:42; Dark ; 41.5; 95; Zet Cen ; 2.55; 26000;occ; 83; 0;25458
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21; 6303.4; 12-JAN-2007 15:35:59; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;25458
22; 6549.9; 12-JAN-2007 15:40:06; Dark ; 37.0; 124; The Car ; 2.76; 30000;occ; 74; 0;25458
23; 6639.7; 12-JAN-2007 15:41:36; Dark ; 37.5; 29; Bet Car ; 1.67; 10200;occ; 75; 0;25458
24; 6748.9; 12-JAN-2007 15:43:25; Dark ; 42.5; 71; Iot Car ; 2.25; 7700;occ; 85; 0;25458
25; 6828.1; 12-JAN-2007 15:44:44; Dark ; 42.0; 41; Eps Car ; 1.86; 4100;occ; 84; 0;25458
26; 7026.8; 12-JAN-2007 15:48:03; Dark ; 43.0; 34; Gam2Vel ; 1.79; 23000;occ; 86; 0;25458
27; 7156.3; 12-JAN-2007 15:50:12; Dark ; 42.0; 70; Zet Pup ; 2.25; 39000;occ; 84; 0;25458
28; 7261.0; 12-JAN-2007 15:51:57; Dark ; 44.5; 117; Pi Pup ; 2.71; 3800;occ; 89; 0;25458

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3; 1602.8; 12-JAN-2007 15:58:15; Dark ; 47.5; 1; 9Alp CMA ; -1.44; 11000;occ; 95; 0;25459
4; 1751.4; 12-JAN-2007 16:00:43; Dark ; 39.0; 56; 53Kap Ori ; 2.07; 30000;occ; 78; 0;25459
5; 1820.8; 12-JAN-2007 16:01:53; Dark ; 38.0; 125; 44Iot Ori ; 2.77; 30000;occ; 76; 0;25459
6; 1898.7; 12-JAN-2007 16:03:11; Dark ; 39.0; 30; 46Eps Ori ; 1.69; 30000;occ; 78; 0;25459
7; 2035.0; 12-JAN-2007 16:05:27; Dark ; 45.0; 14; 58Alp Ori ; 0.87; 3000;occ; 90; 0;25459
8; 2193.3; 12-JAN-2007 16:08:05; Dark ; 36.0; 44; 24Gam Gem ; 1.93; 11000;occ; 72; 0;25459
9; 2271.2; 12-JAN-2007 16:09:23; Bright; 37.5; 176; 23Zet Tau ; 3.02; 22000;occ; 75; 0;25459
10; 2399.7; 12-JAN-2007 16:11:32; Bright; 37.0; 28; 12Bet Tau ; 1.65; 15200;occ; 74; 0;25459
11; 2490.8; 12-JAN-2007 16:13:03; Bright; 36.5; 114; 3Iot Aur ; 2.69; 4600;occ; 73; 0;25459
12; 2674.5; 12-JAN-2007 16:16:06; Bright; 35.5; 42; 34Bet Aur ; 1.90; 10200;occ; 71; 0;25459
13; 3424.8; 12-JAN-2007 16:28:37; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;25459
14; 3670.4; 12-JAN-2007 16:32:42; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;25459
15; 3923.8; 12-JAN-2007 16:36:56; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;25459
16; 4072.5; 12-JAN-2007 16:39:24; Bright; 35.0; 130; 23Bet Dra ; 2.80; 5800;occ; 70; 0;25459
17; 4447.5; 12-JAN-2007 16:45:39; Bright; 36.0; 133; 40Zet Her ; 2.81; 6000;occ; 72; 0;25459
18; 4630.6; 12-JAN-2007 16:48:43; Bright; 35.5; 127; 27Bet Her ; 2.78; 4700;occ; 71; 0;25459
19; 5080.6; 12-JAN-2007 16:56:13; Bright; 55.0; 120; 1Del Oph ; 2.73; 3200;occ; 110; 0;25459
20; 5165.6; 12-JAN-2007 16:57:38; Bright; 35.0; 98; 13Zet Oph ; 2.57; 30000;occ; 70; 0;25459
21; 5432.4; 12-JAN-2007 17:02:04; Dark ; 48.0; 16; 21Alp Sco ; 1.02; 3000;occ; 96; 0;25459
22; 5740.9; 12-JAN-2007 17:07:13; Dark ; 39.5; 131; Gam Lup ; 2.80; 26000;occ; 79; 0;25459
23; 5840.6; 12-JAN-2007 17:08:53; Dark ; 41.5; 109; Bet Lup ; 2.68; 26000;occ; 83; 0;25459
24; 5931.2; 12-JAN-2007 17:10:23; Dark ; 39.5; 78; Alp Lup ; 2.30; 28000;occ; 79; 0;25459
25; 6046.5; 12-JAN-2007 17:12:18; Dark ; 42.5; 95; Zet Cen ; 2.55; 26000;occ; 85; 0;25459
26; 6149.2; 12-JAN-2007 17:14:01; Dark ; 51.0; 10; Bet Cen ; 0.61; 28000;occ; 102; 0;25459
27; 6303.7; 12-JAN-2007 17:16:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;25459
28; 6550.5; 12-JAN-2007 17:20:42; Dark ; 38.0; 124; The Car ; 2.76; 30000;occ; 76; 0;25459
29; 6639.9; 12-JAN-2007 17:22:12; Dark ; 37.0; 29; Bet Car ; 1.67; 10200;occ; 74; 0;25459
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31; 6828.4; 12-JAN-2007 17:25:20; Dark ; 42.0; 41; Eps Car ; 1.86; 4100;occ; 84; 0;25459
32; 7027.3; 12-JAN-2007 17:28:39; Dark ; 43.0; 34; Gam2Vel ; 1.79; 23000;occ; 86; 0;25459
33; 7156.8; 12-JAN-2007 17:30:49; Dark ; 43.5; 70; Zet Pup ; 2.25; 39000;occ; 87; 0;25459

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3; 1381.1; 12-JAN-2007 17:35:09; Dark ; 42.0; 23; 21Eps CMA ; 1.50; 26000;occ; 84; 0;25460
4; 1467.5; 12-JAN-2007 17:36:35; Dark ; 42.0; 179; 240mi2CMA ; 3.03; 24000;occ; 84; 0;25460
5; 1603.0; 12-JAN-2007 17:38:51; Dark ; 45.5; 1; 9Alp CMA ; -1.44; 11000;occ; 91; 0;25460
6; 1751.5; 12-JAN-2007 17:41:19; Dark ; 40.0; 56; 53Kap Ori ; 2.07; 30000;occ; 80; 0;25460
7; 1820.9; 12-JAN-2007 17:42:29; Dark ; 38.0; 125; 44Iot Ori ; 2.77; 30000;occ; 76; 0;25460
8; 1898.8; 12-JAN-2007 17:43:47; Dark ; 41.5; 30; 46Eps Ori ; 1.69; 30000;occ; 83; 0;25460

9; 2035.1; 12-JAN-2007 17:46:03; Dark ; 44.0; 14; 58Alp Ori ; 0.87; 3000;occ; 88; 0;25460
10; 2193.2; 12-JAN-2007 17:48:41; Dark ; 43.5; 44; 24Gam Gem ; 1.93; 11000;occ; 87; 0;25460
11; 2271.3; 12-JAN-2007 17:49:59; Bright; 35.5; 176; 23Zet Tau ; 3.02; 22000;occ; 71; 0;25460
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14; 2674.3; 12-JAN-2007 17:56:42; Bright; 36.5; 42; 34Bet Aur ; 1.90; 10200;occ; 73; 0;25460
15; 3424.8; 12-JAN-2007 18:09:13; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;25460
16; 3670.2; 12-JAN-2007 18:13:18; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;25460
17; 3923.7; 12-JAN-2007 18:17:32; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;25460
18; 4072.7; 12-JAN-2007 18:20:01; Bright; 52.0; 130; 23Bet Dra ; 2.80; 5800;occ; 104; 0;25460
19; 4447.5; 12-JAN-2007 18:26:16; Bright; 35.0; 133; 40Zet Her ; 2.81; 6000;occ; 70; 0;25460
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21; 5080.9; 12-JAN-2007 18:36:49; Bright; 55.0; 120; 1Del Oph ; 2.73; 3200;occ; 110; 0;25460
22; 5165.8; 12-JAN-2007 18:38:14; Bright; 36.0; 98; 13Zet Oph ; 2.57; 30000;occ; 72; 0;25460
23; 5432.7; 12-JAN-2007 18:42:41; Dark ; 46.5; 16; 21Alp Sco ; 1.02; 3000;occ; 93; 0;25460
24; 5741.4; 12-JAN-2007 18:47:49; Dark ; 37.5; 131; Gam Lup ; 2.80; 26000;occ; 75; 0;25460
25; 5841.2; 12-JAN-2007 18:49:29; Dark ; 39.0; 109; Bet Lup ; 2.68; 26000;occ; 78; 0;25460
26; 5931.8; 12-JAN-2007 18:51:00; Dark ; 39.5; 78; Alp Lup ; 2.30; 28000;occ; 79; 0;25460
27; 6047.3; 12-JAN-2007 18:52:55; Dark ; 40.0; 95; Zet Cen ; 2.55; 26000;occ; 80; 0;25460
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29; 6304.0; 12-JAN-2007 18:57:12; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;25460
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31; 6640.3; 12-JAN-2007 19:02:48; Dark ; 40.5; 29; Bet Car ; 1.67; 10200;occ; 81; 0;25460
32; 6749.7; 12-JAN-2007 19:04:38; Dark ; 39.0; 71; Iot Car ; 2.25; 7700;occ; 78; 0;25460
33; 6828.7; 12-JAN-2007 19:05:57; Dark ; 39.0; 41; Eps Car ; 1.86; 4100;occ; 78; 0;25460

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3; 1121.3; 12-JAN-2007 19:11:25; Dark ; 40.0; 70; Zet Pup ; 2.25; 39000;occ; 80; 0;25461
4; 1225.6; 12-JAN-2007 19:13:10; Dark ; 44.5; 117; Pi Pup ; 2.71; 3800;occ; 89; 0;25461
5; 1381.2; 12-JAN-2007 19:15:45; Dark ; 41.5; 23; 21Eps CMa ; 1.50; 26000;occ; 83; 0;25461
6; 1467.7; 12-JAN-2007 19:17:12; Dark ; 41.0; 179; 240mi2CMa ; 3.03; 24000;occ; 82; 0;25461
7; 1603.0; 12-JAN-2007 19:19:27; Dark ; 50.5; 1; 9Alp CMa ; -1.44; 11000;occ; 101; 0;25461
8; 1751.6; 12-JAN-2007 19:21:56; Dark ; 39.0; 56; 53Kap Ori ; 2.07; 30000;occ; 78; 0;25461
9; 1821.2; 12-JAN-2007 19:23:05; Dark ; 36.5; 125; 44Iot Ori ; 2.77; 30000;occ; 73; 0;25461
10; 1898.9; 12-JAN-2007 19:24:23; Dark ; 40.0; 30; 46Eps Ori ; 1.69; 30000;occ; 80; 0;25461
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13; 2271.3; 12-JAN-2007 19:30:35; Bright; 35.5; 176; 23Zet Tau ; 3.02; 22000;occ; 71; 0;25461
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15; 2491.2; 12-JAN-2007 19:34:15; Bright; 35.5; 114; 3Iot Aur ; 2.69; 4600;occ; 71; 0;25461
16; 2674.2; 12-JAN-2007 19:37:18; Bright; 53.0; 42; 34Bet Aur ; 1.90; 10200;occ; 106; 0;25461
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19; 3923.7; 12-JAN-2007 19:58:08; Bright; 43.0; 119; 14Eta Dra ; 2.73; 4700;occ; 86; 0;25461
20; 4072.6; 12-JAN-2007 20:00:37; Bright; 36.5; 130; 23Bet Dra ; 2.80; 5800;occ; 73; 0;25461
21; 4447.6; 12-JAN-2007 20:06:52; Bright; 35.0; 133; 40Zet Her ; 2.81; 6000;occ; 70; 0;25461
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25; 5433.0; 12-JAN-2007 20:23:17; Dark ; 52.0; 16; 21Alp Sco ; 1.02; 3000;occ; 104; 0;25461
26; 5741.8; 12-JAN-2007 20:28:26; Dark ; 38.0; 131; Gam Lup ; 2.80; 26000;occ; 76; 0;25461
27; 5841.5; 12-JAN-2007 20:30:05; Dark ; 40.0; 109; Bet Lup ; 2.68; 26000;occ; 80; 0;25461
28; 5932.2; 12-JAN-2007 20:31:36; Dark ; 39.5; 78; Alp Lup ; 2.30; 28000;occ; 79; 0;25461
29; 6047.9; 12-JAN-2007 20:33:32; Dark ; 40.0; 95; Zet Cen ; 2.55; 26000;occ; 80; 0;25461
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31; 6304.2; 12-JAN-2007 20:37:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;25461
32; 6551.4; 12-JAN-2007 20:41:55; Dark ; 38.0; 124; The Car ; 2.76; 30000;occ; 76; 0;25461
33; 6640.5; 12-JAN-2007 20:43:24; Dark ; 38.0; 29; Bet Car ; 1.67; 10200;occ; 76; 0;25461
34; 6750.1; 12-JAN-2007 20:45:14; Dark ; 40.0; 71; Iot Car ; 2.25; 7700;occ; 80; 0;25461
35; 6829.0; 12-JAN-2007 20:46:33; Dark ; 45.0; 41; Eps Car ; 1.86; 4100;occ; 90; 0;25461

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2; -2112.2; 13-JAN-2007 02:40:31; Bright; 37.0; 119; 14Eta Dra ; 2.73; 4700;occ; 74; 0;25465
3; -1962.9; 13-JAN-2007 02:43:00; Bright; 35.5; 130; 23Bet Dra ; 2.80; 5800;occ; 71; 0;25465
4; -1587.8; 13-JAN-2007 02:49:16; Bright; 36.5; 133; 40Zet Her ; 2.81; 6000;occ; 73; 0;25465
5; -1404.1; 13-JAN-2007 02:52:19; Bright; 36.0; 127; 27Bet Her ; 2.78; 4700;occ; 72; 0;25465
6; -953.1; 13-JAN-2007 02:59:50; Bright; 38.5; 120; 1Del Oph ; 2.73; 3200;occ; 77; 0;25465

7; -868.3; 13-JAN-2007 03:01:15; Bright; 36.0; 98; 13Zet Oph ; 2.57; 30000;occ; 72; 0;25465
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9; -292.2; 13-JAN-2007 03:10:51; Dark ; 38.0; 131; Gam Lup ; 2.80; 26000;occ; 76; 0;25465
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22; 1382.4; 13-JAN-2007 03:38:46; Dark ; 45.5; 23; 21Eps CMa ; 1.50; 26000;occ; 91; 0;25466
23; 1468.7; 13-JAN-2007 03:40:12; Dark ; 41.5; 179; 240mi2CMa ; 3.03; 24000;occ; 83; 0;25466
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26; 1822.2; 13-JAN-2007 03:46:06; Dark ; 38.0; 125; 44Iot Ori ; 2.77; 30000;occ; 76; 0;25466
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32; 2492.2; 13-JAN-2007 03:57:16; Bright; 37.0; 114; 3Iot Aur ; 2.69; 4600;occ; 74; 0;25466
33; 2673.9; 13-JAN-2007 04:00:17; Bright; 36.5; 42; 34Bet Aur ; 1.90; 10200;occ; 73; 0;25466
34; 3424.9; 13-JAN-2007 04:12:48; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;25466

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33; 2673.8; 13-JAN-2007 05:40:53; Bright; 36.5; 42; 34Bet Aur ; 1.90; 10200;occ; 73; 0;25467
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13; 2036.4; 13-JAN-2007 20:35:39; Dark ; 52.0; 14; 58Alp Ori ; 0.87; 3000;occ; 104; 0;25476
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15; 2272.7; 13-JAN-2007 20:39:35; Bright; 35.0; 176; 23Zet Tau ; 3.02; 22000;occ; 70; 0;25476
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17; 2494.2; 13-JAN-2007 20:43:17; Bright; 35.5; 114; 3Iot Aur ; 2.69; 4600;occ; 71; 0;25476
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23; 4449.9; 13-JAN-2007 21:15:52; Bright; 35.0; 133; 40Zet Her ; 2.81; 6000;occ; 70; 0;25476
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25; 5087.1; 13-JAN-2007 21:26:30; Bright; 55.0; 120; 1Del Oph ; 2.73; 3200;occ; 110; 0;25476
26; 5171.0; 13-JAN-2007 21:27:54; Bright; 40.5; 98; 13Zet Oph ; 2.57; 30000;occ; 81; 0;25476

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 3;-1962.6; 13-JAN-2007 06:04:13; Bright; 36.5; 130; 23Bet Dra ; 2.80; 5800;occ; 73; 0;25467
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 5;-1403.6; 13-JAN-2007 06:13:32; Bright; 36.5; 127; 27Bet Her ; 2.78; 4700;occ; 73; 0;25467
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5; 2553.9; 27-JAN-2007 08:19:48; Bright; 34.0; 107; 37The Aur ; 2.65; 11000;occ; 68; 0;25669
6; 2681.0; 27-JAN-2007 08:21:56; Bright; 34.5; 42; 34Bet Aur ; 1.90; 10200;occ; 69; 0;25669
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3; -1741.3; 27-JAN-2007 08:48:49; Bright; 33.5; 5; 3Alp Lyr ; 0.03; 11000;occ; 67; 0;25669
4; -1257.4; 27-JAN-2007 08:56:53; Bright; 35.5; 59; 55Alp Oph ; 2.08; 8900;occ; 71; 0;25669
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6; -753.7; 27-JAN-2007 09:05:17; Dark ; 42.0; 86; 35Eta Oph ; 2.43; 10200;occ; 84; 0;25669
7; -508.3; 27-JAN-2007 09:09:22; Dark ; 48.0; 16; 21Alp Sco ; 1.02; 3000;occ; 96; 0;25669
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9; -169.1; 27-JAN-2007 09:15:01; Dark ; 41.5; 131; Gam Lup ; 2.80; 26000;occ; 83; 0;25669
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13; 432.8; 27-JAN-2007 09:25:03; Dark ; 39.5; 12; Alp1Cru ; 0.77; 30000;occ; 79; 0;25670
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 18; 1188.1; 27-JAN-2007 09:37:39; Dark ; 40.0; 70; Zet Pup ; 2.25; 39000;occ; 80; 0;25670
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 7; 4086.8; 27-JAN-2007 10:25:57; Bright; 37.0; 130; 23Bet Dra ; 2.80; 5800;occ; 74; 0;25670
 8; 4294.6; 27-JAN-2007 10:29:25; Bright; 35.0; 5; 3Alp Lyr ; 0.03; 11000;occ; 70; 0;25670
 9; 4778.6; 27-JAN-2007 10:37:29; Bright; 35.0; 59; 55Alp Oph ; 2.08; 8900;occ; 70; 0;25670
 10; 4905.6; 27-JAN-2007 10:39:36; Bright; 34.0; 126; 60Bet Oph ; 2.77; 4250;occ; 68; 0;25670
 11; 5282.6; 27-JAN-2007 10:45:53; Dark ; 41.0; 86; 35Eta Oph ; 2.43; 10200;occ; 82; 0;25670
 12; 5528.1; 27-JAN-2007 10:49:59; Dark ; 49.5; 16; 21Alp Sco ; 1.02; 3000;occ; 99; 0;25670
 13; 5609.1; 27-JAN-2007 10:51:20; Dark ; 42.5; 75; 26Eps Sco ; 2.29; 4250;occ; 85; 0;25670
 14; 5867.4; 27-JAN-2007 10:55:38; Dark ; 41.5; 131; Gam Lup ; 2.80; 26000;occ; 83; 0;25670
 15; 6103.1; 27-JAN-2007 10:59:34; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;25670
 16; 6194.3; 27-JAN-2007 11:01:05; Dark ; 40.0; 4; Alp1Cen ; -0.01; 5800;occ; 80; 0;25670
 17; 6360.6; 27-JAN-2007 11:03:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;25670
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 22; 7098.4; 27-JAN-2007 11:16:09; Dark ; 39.0; 34; Gam2Vel ; 1.79; 23000;occ; 78; 0;25670
 23; 7224.1; 27-JAN-2007 11:18:15; Dark ; 40.0; 70; Zet Pup ; 2.25; 39000;occ; 80; 0;25670
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 26; 7541.1; 27-JAN-2007 11:23:32; Dark ; 36.0; 179; 240mi2CMA ; 3.03; 24000;occ; 72; 0;25670
 27; 7670.3; 27-JAN-2007 11:25:41; Dark ; 5.5; 1; 9Alp CMA ; -1.44; 11000;occ; 11; 0;25670

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22; 6944.2; 27-JAN-2007 14:34:46; Dark ; 38.5; 46; Del Vel ; 1.95; 10600;occ; 77; 0;25672
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26; 7225.1; 27-JAN-2007 16:20:03; Dark ; 38.0; 70; Zet Pup ; 2.25; 39000;occ; 76; 0;25673
27; 7311.8; 27-JAN-2007 16:21:30; Dark ; 41.0; 117; Pi Pup ; 2.71; 3800;occ; 82; 0;25673

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11; 4087.2; 27-JAN-2007 17:08:21; Bright; 36.0; 130; 23Bet Dra ; 2.80; 5800;occ; 72; 0;25674
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14; 4906.6; 27-JAN-2007 17:22:01; Bright; 35.0; 126; 60Bet Oph ; 2.77; 4250;occ; 70; 0;25674
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16; 5530.6; 27-JAN-2007 17:32:25; Dark ; 57.0; 16; 21Alp Sco ; 1.02; 3000;occ; 114; 0;25674

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19; 6104.6; 27-JAN-2007 17:41:59; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;25674
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25;	6378.2;	31-JAN-2007	20:41:53;	Dark	;	59.5;	0;		;	0.00;	0;occ;	119;	0;	25733
26;	6503.5;	31-JAN-2007	20:43:58;	Dark	;	41.5;	12;	Alp1Cru	;	0.77;	30000;occ;	83;	0;	25733
27;	6716.8;	31-JAN-2007	20:47:32;	Dark	;	36.5;	29;	Bet Car	;	1.67;	10200;occ;	73;	0;	25733
28;	6858.0;	31-JAN-2007	20:49:53;	Dark	;	38.5;	71;	Iot Car	;	2.25;	7700;occ;	77;	0;	25733
29;	6963.0;	31-JAN-2007	20:51:38;	Dark	;	34.5;	46;	Del Vel	;	1.95;	10600;occ;	69;	0;	25733