

GOMOS Daily Report 02-MAY-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	09MAY2008 13:35:42
Data source version	GOMOS/5.00
Start time of products	02-05-2008 (02MAY2008 00:00:00)
Stop time of products	03-05-2008 (03MAY2008 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)

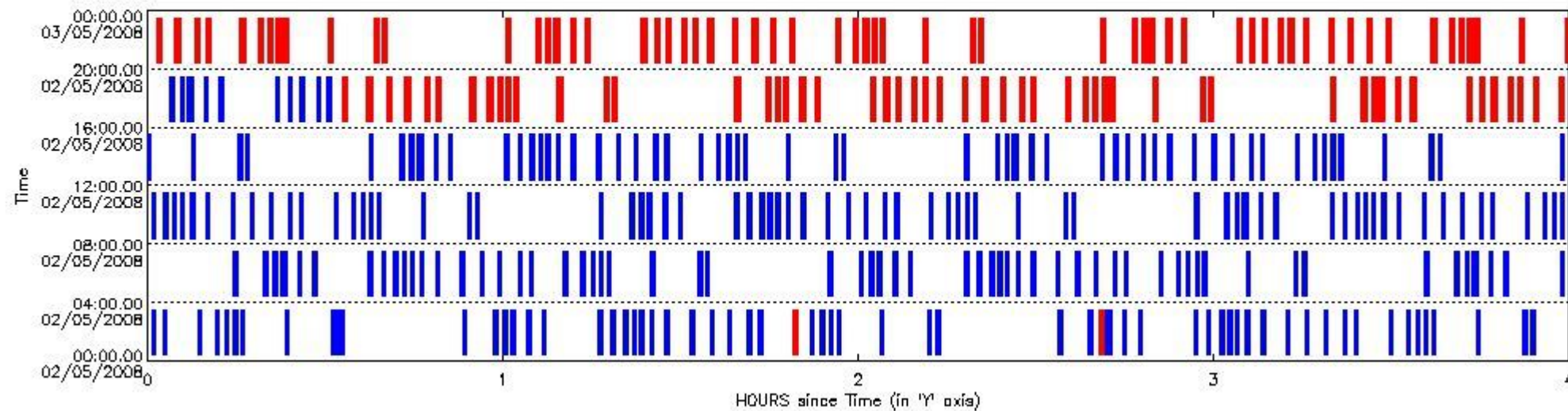
2.1 Level 0 products arrived in PCF (see template [here](#))

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
02-MAY-2008 01:48:57	12Alp2CVn	152	32264
02-MAY-2008 02:40:34	AlpPhe	84	32264
02-MAY-2008 16:32:43	5TheCen	54	32273
02-MAY-2008 16:36:58	46GamHya	169	32273
02-MAY-2008 16:40:17	67AlpVir	15	32273
02-MAY-2008 16:43:22	29GamVir	121	32273
02-MAY-2008 16:46:39	47EpsVir	138	32273
02-MAY-2008 16:48:33	94BetLeo	62	32273
02-MAY-2008 16:54:20	12Alp2CVn	152	32273
02-MAY-2008 16:57:19	52PsiUMa	174	32273
02-MAY-2008 16:58:58	64GamUMa	87	32273
02-MAY-2008 17:00:26	48BetUMa	82	32273
02-MAY-2008 17:01:44	50AlpUMa	36	32273
02-MAY-2008 17:09:06	1AlpUMi	49	32273
02-MAY-2008 17:17:03	37DelCas	110	32273

02-MAY-2008 17:18:24	18AlpCas	68	32273
02-MAY-2008 17:39:08	16BetCet	52	32273
02-MAY-2008 17:44:18	24AlpPsA	18	32273
02-MAY-2008 17:45:58	AlpPhe	84	32273
02-MAY-2008 17:47:12	DSA1035	0	32273
02-MAY-2008 17:50:06	AlpGru	31	32273
02-MAY-2008 17:52:37	AlpTuc	148	32274
02-MAY-2008 18:02:04	AlpTrA	43	32274
02-MAY-2008 18:04:16	BetTrA	134	32274
02-MAY-2008 18:06:17	Alp1Cen	4	32274
02-MAY-2008 18:09:01	EpsCen	77	32274
02-MAY-2008 18:10:47	GamCen	64	32274
02-MAY-2008 18:13:20	5TheCen	54	32274
02-MAY-2008 18:17:34	46GamHya	169	32274
02-MAY-2008 18:20:53	67AlpVir	15	32274
02-MAY-2008 18:23:58	29GamVir	121	32274
02-MAY-2008 18:27:15	47EpsVir	138	32274
02-MAY-2008 18:29:09	94BetLeo	62	32274
02-MAY-2008 18:34:56	12Alp2CVn	152	32274
02-MAY-2008 18:37:56	52PsiUMa	174	32274
02-MAY-2008 18:39:34	64GamUMa	87	32274
02-MAY-2008 18:41:03	48BetUMa	82	32274
02-MAY-2008 18:42:20	50AlpUMa	36	32274
02-MAY-2008 18:49:42	1AlpUMi	49	32274
02-MAY-2008 18:57:39	37DelCas	110	32274
02-MAY-2008 18:59:00	18AlpCas	68	32274
02-MAY-2008 19:19:44	16BetCet	52	32274
02-MAY-2008 19:24:55	24AlpPsA	18	32274
02-MAY-2008 19:26:34	AlpPhe	84	32274
02-MAY-2008 19:27:49	DSA1035	0	32274
02-MAY-2008 19:30:42	AlpGru	31	32274
02-MAY-2008 19:33:13	AlpTuc	148	32275
02-MAY-2008 19:42:41	AlpTrA	43	32275
02-MAY-2008 19:44:53	BetTrA	134	32275
02-MAY-2008 19:46:53	Alp1Cen	4	32275
02-MAY-2008 19:49:37	EpsCen	77	32275
02-MAY-2008 19:51:23	GamCen	64	32275
02-MAY-2008 19:53:56	5TheCen	54	32275
02-MAY-2008 19:58:11	46GamHya	169	32275
02-MAY-2008 20:01:29	67AlpVir	15	32275
02-MAY-2008 20:04:34	29GamVir	121	32275
02-MAY-2008 20:07:51	47EpsVir	138	32275
02-MAY-2008 20:09:45	94BetLeo	62	32275
02-MAY-2008 20:15:32	12Alp2CVn	152	32275
02-MAY-2008 20:18:32	52PsiUMa	174	32275
02-MAY-2008 20:20:11	64GamUMa	87	32275
02-MAY-2008 20:21:39	48BetUMa	82	32275
02-MAY-2008 20:22:56	50AlpUMa	36	32275
02-MAY-2008 20:30:18	1AlpUMi	49	32275
02-MAY-2008 20:38:15	37DelCas	110	32275
02-MAY-2008 20:39:36	18AlpCas	68	32275
02-MAY-2008 21:00:20	16BetCet	52	32275
02-MAY-2008 21:05:31	24AlpPsA	18	32275
02-MAY-2008 21:07:11	AlpPhe	84	32275
02-MAY-2008 21:08:25	DSA1035	0	32275
02-MAY-2008 21:11:19	AlpGru	31	32275
02-MAY-2008 21:13:50	AlpTuc	148	32276
02-MAY-2008 21:23:17	AlpTrA	43	32276
02-MAY-2008 21:25:29	BetTrA	134	32276

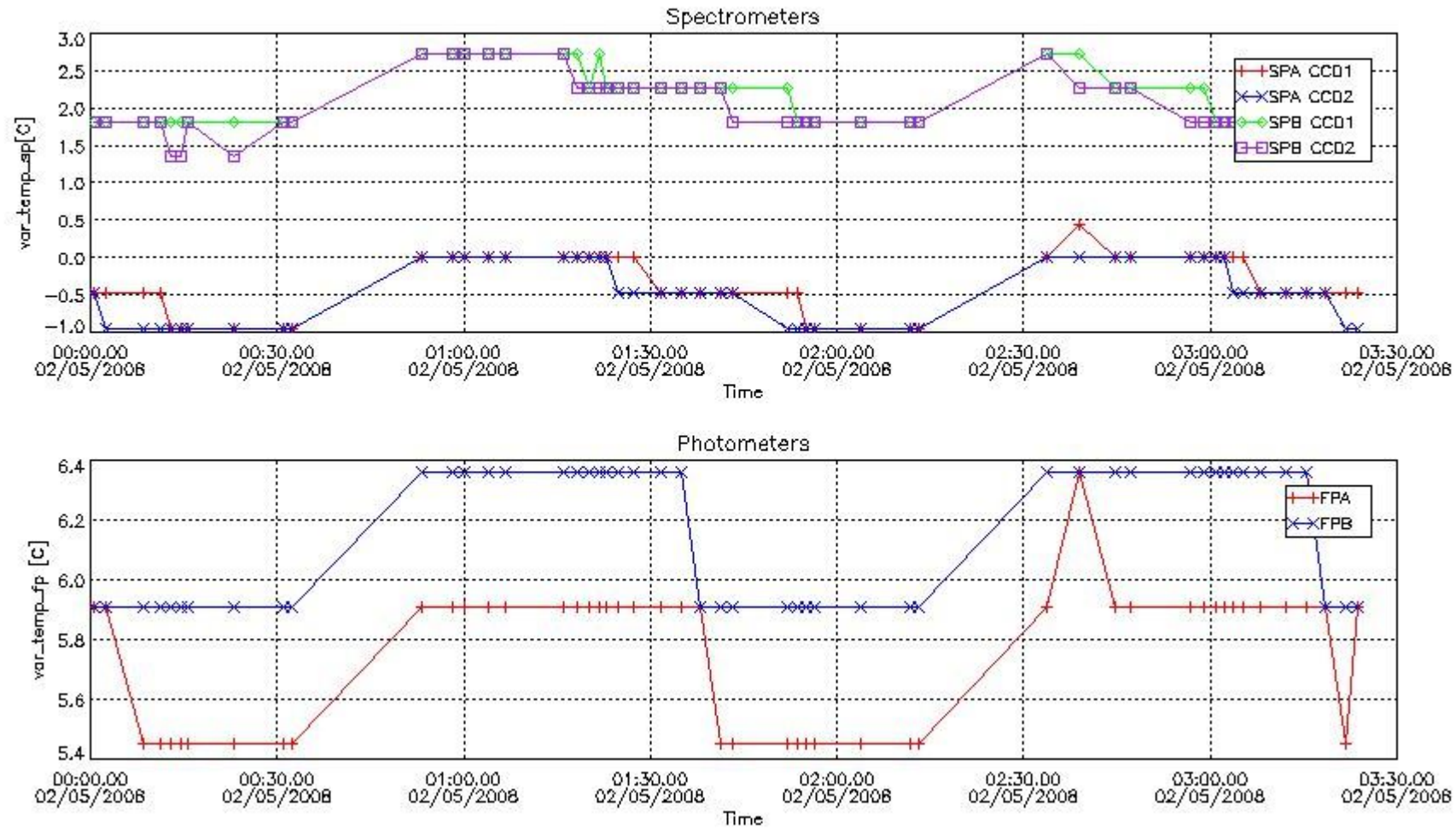
02-MAY-2008 21:27:29	Alp1Cen	4	32276
02-MAY-2008 21:30:13	EpsCen	77	32276
02-MAY-2008 21:31:59	GamCen	64	32276
02-MAY-2008 21:34:32	5TheCen	54	32276
02-MAY-2008 21:38:47	46GamHya	169	32276
02-MAY-2008 21:42:05	67AlpVir	15	32276
02-MAY-2008 21:45:10	29GamVir	121	32276
02-MAY-2008 21:48:27	47EpsVir	138	32276
02-MAY-2008 21:56:08	12Alp2CVn	152	32276
02-MAY-2008 21:59:08	52PsiUMa	174	32276
02-MAY-2008 22:00:47	64GamUMa	87	32276
02-MAY-2008 22:02:15	48BetUMa	82	32276
02-MAY-2008 22:03:32	50AlpUMa	36	32276
02-MAY-2008 22:10:54	1AlpUMi	49	32276
02-MAY-2008 22:18:51	37DelCas	110	32276
02-MAY-2008 22:20:12	18AlpCas	68	32276
02-MAY-2008 22:40:56	16BetCet	52	32276
02-MAY-2008 22:46:07	24AlpPsA	18	32276
02-MAY-2008 22:47:47	AlpPhe	84	32276
02-MAY-2008 22:49:01	DSA1035	0	32276
02-MAY-2008 22:51:55	AlpGru	31	32276
02-MAY-2008 22:54:26	AlpTuc	148	32277
02-MAY-2008 23:03:53	AlpTrA	43	32277
02-MAY-2008 23:06:05	BetTrA	134	32277
02-MAY-2008 23:08:06	Alp1Cen	4	32277
02-MAY-2008 23:10:50	EpsCen	77	32277
02-MAY-2008 23:12:35	GamCen	64	32277
02-MAY-2008 23:15:08	5TheCen	54	32277
02-MAY-2008 23:19:23	46GamHya	169	32277
02-MAY-2008 23:22:41	67AlpVir	15	32277
02-MAY-2008 23:25:46	29GamVir	121	32277
02-MAY-2008 23:29:03	47EpsVir	138	32277
02-MAY-2008 23:36:44	12Alp2CVn	152	32277
02-MAY-2008 23:39:45	52PsiUMa	174	32277
02-MAY-2008 23:41:23	64GamUMa	87	32277
02-MAY-2008 23:42:51	48BetUMa	82	32277
02-MAY-2008 23:44:09	50AlpUMa	36	32277
02-MAY-2008 23:51:30	1AlpUMi	49	32277
02-MAY-2008 23:59:27	37DelCas	110	32277

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_1PNPDE20080502_000039_000000362068_00145_32263_5061.N1	02-MAY-2008 00:00:39	Bright	35.500	138	47Eps Vir	2.8280	4700.0	71	32263	No
2	GOM_TRA_1PNPDE20080502_000231_000000352068_00145_32263_5062.N1	02-MAY-2008 00:02:31	Bright	35.000	62	94Bet Leo	2.1360	9700.0	70	32263	No
3	GOM_TRA_1PNPDE20080502_000822_000000342068_00145_32263_5063.N1	02-MAY-2008 00:08:22	Bright	34.000	152	12Alp2CVn	2.8900	11000.	68	32263	No
4	GOM_TRA_1PNPDE20080502_001117_000000372068_00145_32263_5064.N1	02-MAY-2008 00:11:17	Bright	37.000	174	52Psi UMa	3.0040	4400.0	74	32263	No
5	GOM_TRA_1PNPDE20080502_001258_000000352068_00145_32263_5065.N1	02-MAY-2008 00:12:58	Bright	35.000	87	64Gam UMa	2.4330	11000.	70	32263	No
6	GOM_TRA_1PNPDE20080502_001425_000000372068_00145_32263_5066.N1	02-MAY-2008 00:14:25	Bright	37.000	82	48Bet UMa	2.3650	10600.	74	32263	No
7	GOM_TRA_1PNPDE20080502_001543_000000382068_00145_32263_5067.N1	02-MAY-2008 00:15:43	Bright	37.500	36	50Alp UMa	1.8000	6300.0	75	32263	No
8	GOM_TRA_1PNPDE20080502_002307_000000342068_00145_32263_5068.N1	02-MAY-2008 00:23:07	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	32263	No
9	GOM_TRA_1PNPDE20080502_003103_000000522068_00145_32263_5069.N1	02-MAY-2008 00:31:03	Bright	52.000	110	37Del Cas	2.6780	8900.0	104	32263	No
10	GOM_TRA_1PNPDE20080502_003225_000000352068_00145_32263_5070.N1	02-MAY-2008 00:32:25	Bright	35.000	68	18Alp Cas	2.2250	4500.0	70	32263	No
11	GOM_TRA_1PNPDE20080502_005308_000000432068_00145_32263_5071.N1	02-MAY-2008 00:53:08	Dark	42.500	52	16Bet Cet	2.0370	4500.0	85	32263	No
12	GOM_TRA_1PNPDE20080502_005815_000000442068_00145_32263_5193.N1	02-MAY-2008 00:58:15	Dark	44.000	18	24Alp PsA	1.1660	9700.0	88	32263	No
13	GOM_TRA_1PNPDE20080502_005959_000000412068_00145_32263_5194.N1	02-MAY-2008 00:59:59	Dark	41.000	84	Alp Phe	2.3970	4500.0	82	32263	No
14	GOM_TRA_1PNPDE20080502_010402_000000402068_00145_32263_5195.N1	02-MAY-2008 01:04:02	Dark	40.000	31	Alp Gru	1.7340	15200.	80	32263	No
15	GOM_TRA_1PNPDE20080502_010635_000000382068_00146_32264_5196.N1	02-MAY-2008 01:06:35	Dark	37.500	148	Alp Tuc	2.8780	4100.0	75	32264	No

16	GOM_TRA_1PNPDE20080502_011603_000000472068_00146_32264_5197.N1	02-MAY-2008 01:16:03	Straylight	46.500	43	Alp TrA	1.9100	4250.0	93	32264	No
17	GOM_TRA_1PNPDE20080502_011814_000000372068_00146_32264_5198.N1	02-MAY-2008 01:18:14	Straylight	37.000	134	Bet TrA	2.8100	6600.0	74	32264	No
18	GOM_TRA_1PNPDE20080502_012016_000000452068_00146_32264_5199.N1	02-MAY-2008 01:20:16	Straylight	45.000	4	Alp1Cen	-0.010000	5800.0	90	32264	No
19	GOM_TRA_1PNPDE20080502_012145_000000422068_00146_32264_5200.N1	02-MAY-2008 01:21:45	Straylight	41.500	20	Bet Cru	1.2530	30000.	83	32264	No
20	GOM_TRA_1PNPDE20080502_012301_000000382068_00146_32264_5201.N1	02-MAY-2008 01:23:01	Straylight	38.000	77	Eps Cen	2.3030	28000.	76	32264	No
21	GOM_TRA_1PNPDE20080502_012447_000000382068_00146_32264_5202.N1	02-MAY-2008 01:24:47	Straylight	38.000	64	Gam Cen	2.2000	10600.	76	32264	No
22	GOM_TRA_1PNPDE20080502_012719_000000432068_00146_32264_5203.N1	02-MAY-2008 01:27:19	Tw_i_and_stray	42.500	54	5The Cen	2.0550	4500.0	85	32264	No
23	GOM_TRA_1PNPDE20080502_013134_000000382068_00146_32264_5204.N1	02-MAY-2008 01:31:34	Bright	37.500	169	46Gam Hya	2.9910	4700.0	75	32264	No
24	GOM_TRA_1PNPDE20080502_013453_000000382068_00146_32264_5205.N1	02-MAY-2008 01:34:53	Bright	37.500	15	67Alp Vir	0.97600	28000.	75	32264	No
25	GOM_TRA_1PNPDE20080502_013758_000000352068_00146_32264_5206.N1	02-MAY-2008 01:37:58	Bright	35.000	121	29Gam Vir	2.7400	7200.0	70	32264	No
26	GOM_TRA_1PNPDE20080502_014115_000000352068_00146_32264_5207.N1	02-MAY-2008 01:41:15	Bright	35.000	138	47Eps Vir	2.8280	4700.0	70	32264	No
27	GOM_TRA_1PNPDE20080502_014307_000000372068_00146_32264_5208.N1	02-MAY-2008 01:43:07	Bright	37.000	62	94Bet Leo	2.1360	9700.0	74	32264	No
28	GOM_TRA_1PNPDE20080502_015153_000000372068_00146_32264_5209.N1	02-MAY-2008 01:51:53	Bright	37.000	174	52Psi UMa	3.0040	4400.0	74	32264	No
29	GOM_TRA_1PNPDE20080502_015334_000000352068_00146_32264_5210.N1	02-MAY-2008 01:53:34	Bright	35.000	87	64Gam UMa	2.4330	11000.	70	32264	No
30	GOM_TRA_1PNPDE20080502_015501_000000372068_00146_32264_5211.N1	02-MAY-2008 01:55:01	Bright	36.500	82	48Bet UMa	2.3650	10600.	73	32264	No
31	GOM_TRA_1PNPDE20080502_015619_000000342068_00146_32264_5212.N1	02-MAY-2008 01:56:19	Bright	34.000	36	50Alp UMa	1.8000	6300.0	68	32264	No
32	GOM_TRA_1PNPDE20080502_020343_000000362068_00146_32264_5213.N1	02-MAY-2008 02:03:43	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	32264	No
33	GOM_TRA_1PNPDE20080502_021139_000000322068_00146_32264_5352.N1	02-MAY-2008 02:11:39	Bright	32.000	110	37Del Cas	2.6780	8900.0	64	32264	No
34	GOM_TRA_1PNPDE20080502_021301_000000522068_00146_32264_5353.N1	02-MAY-2008 02:13:01	Bright	52.000	68	18Alp Cas	2.2250	4500.0	104	32264	No
35	GOM_TRA_1PNPDE20080502_023344_000000432068_00146_32264_5354.N1	02-MAY-2008 02:33:44	Dark	43.000	52	16Bet Cet	2.0370	4500.0	86	32264	No
36	GOM_TRA_1PNPDE20080502_023851_000000432068_00146_32264_5355.N1	02-MAY-2008 02:38:51	Dark	42.500	18	24Alp PsA	1.1660	9700.0	85	32264	No
37	GOM_TRA_1PNPDE20080502_024438_000000412068_00146_32264_5356.N1	02-MAY-2008 02:44:38	Dark	40.500	31	Alp Gru	1.7340	15200.	81	32264	No
38	GOM_TRA_1PNPDE20080502_024711_000000382068_00147_32265_5357.N1	02-MAY-2008 02:47:11	Dark	38.000	148	Alp Tuc	2.8780	4100.0	76	32265	No
39	GOM_TRA_1PNPDE20080502_025639_000000412068_00147_32265_5358.N1	02-MAY-2008 02:56:39	Straylight	40.500	43	Alp TrA	1.9100	4250.0	81	32265	No
40	GOM_TRA_1PNPDE20080502_025851_000000382068_00147_32265_5359.N1	02-MAY-2008 02:58:51	Straylight	37.500	134	Bet TrA	2.8100	6600.0	75	32265	No
41	GOM_TRA_1PNPDE20080502_030052_000000522068_00147_32265_5360.N1	02-MAY-2008 03:00:52	Straylight	52.000	4	Alp1Cen	-0.010000	5800.0	104	32265	No
42	GOM_TRA_1PNPDE20080502_030221_000000412068_00147_32265_5361.N1	02-MAY-2008 03:02:21	Straylight	40.500	20	Bet Cru	1.2530	30000.	81	32265	No
43	GOM_TRA_1PNPDE20080502_030337_000000362068_00147_32265_5362.N1	02-MAY-2008 03:03:37	Straylight	36.000	77	Eps Cen	2.3030	28000.	72	32265	No
44	GOM_TRA_1PNPDE20080502_030523_000000392068_00147_32265_5363.N1	02-MAY-2008 03:05:23	Straylight	39.000	64	Gam Cen	2.2000	10600.	78	32265	No
45	GOM_TRA_1PNPDE20080502_030755_000000462068_00147_32265_5364.N1	02-MAY-2008 03:07:55	Tw_i_and_stray	45.500	54	5The Cen	2.0550	4500.0	91	32265	No
46	GOM_TRA_1PNPDE20080502_031211_000000392068_00147_32265_5365.N1	02-MAY-2008 03:12:11	Bright	38.500	169	46Gam Hya	2.9910	4700.0	77	32265	No
47	GOM_TRA_1PNPDE20080502_031529_000000382068_00147_32265_5366.N1	02-MAY-2008 03:15:29	Bright	37.500	15	67Alp Vir	0.97600	28000.	75	32265	No
48	GOM_TRA_1PNPDE20080502_031834_000000362068_00147_32265_5367.N1	02-MAY-2008 03:18:34	Bright	35.500	121	29Gam Vir	2.7400	7200.0	71	32265	No
49	GOM_TRA_1PNPDE20080502_032151_000000352068_00147_32265_5368.N1	02-MAY-2008 03:21:51	Bright	35.000	138	47Eps Vir	2.8280	4700.0	70	32265	No
50	GOM_TRA_1PNPDE20080502_032343_000000372068_00147_32265_5369.N1	02-MAY-2008 03:23:43	Bright	36.500	62	94Bet Leo	2.1360	9700.0	73	32265	No

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



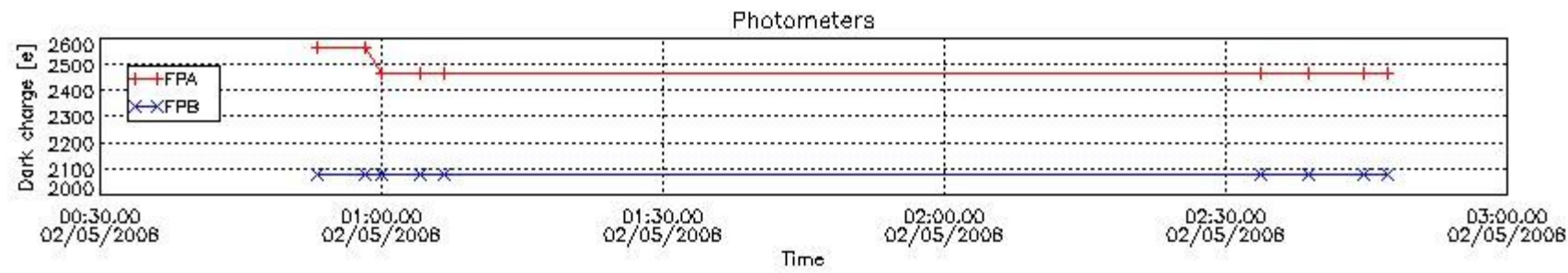
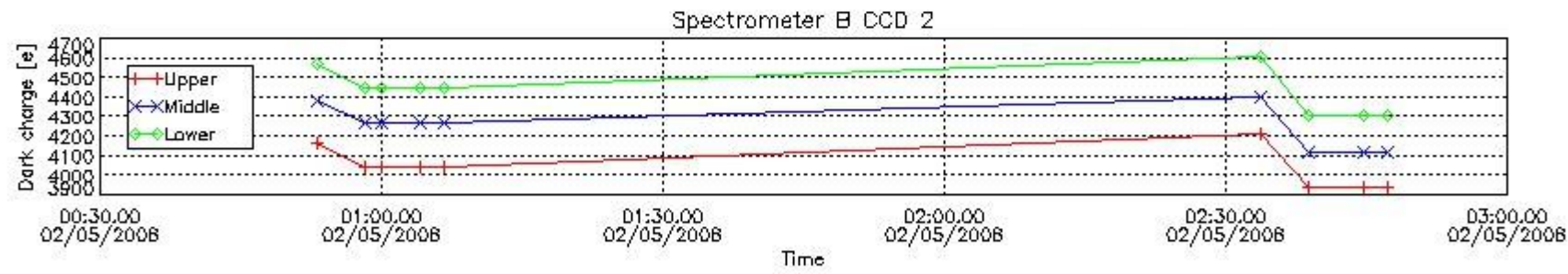
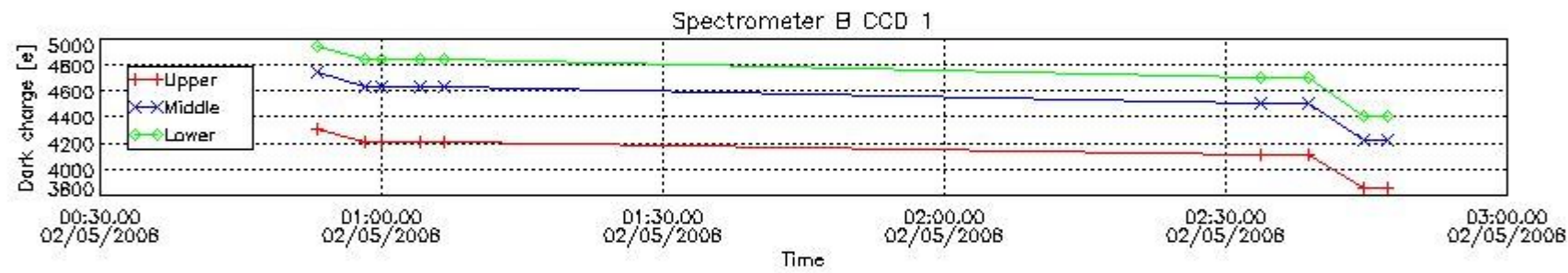
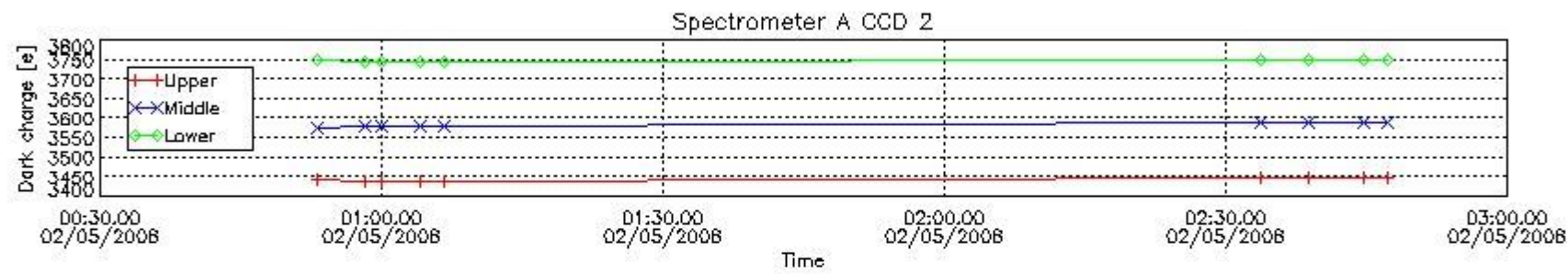
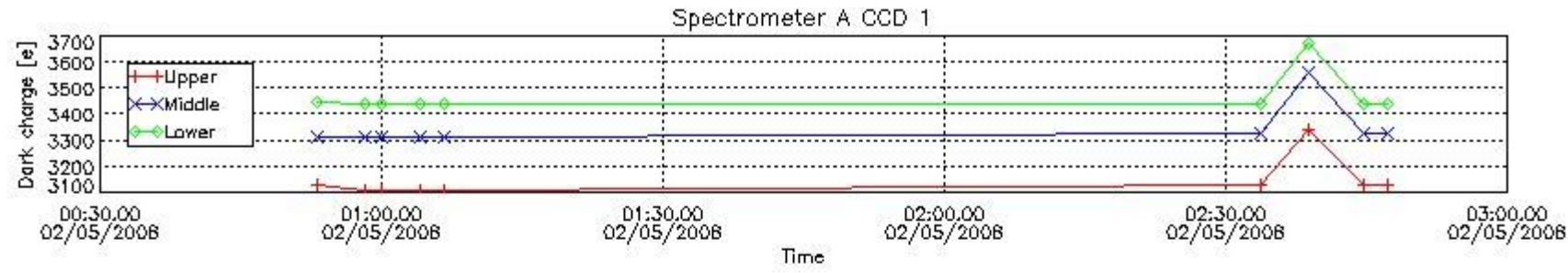
4. Overview of dark signal processing per product

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



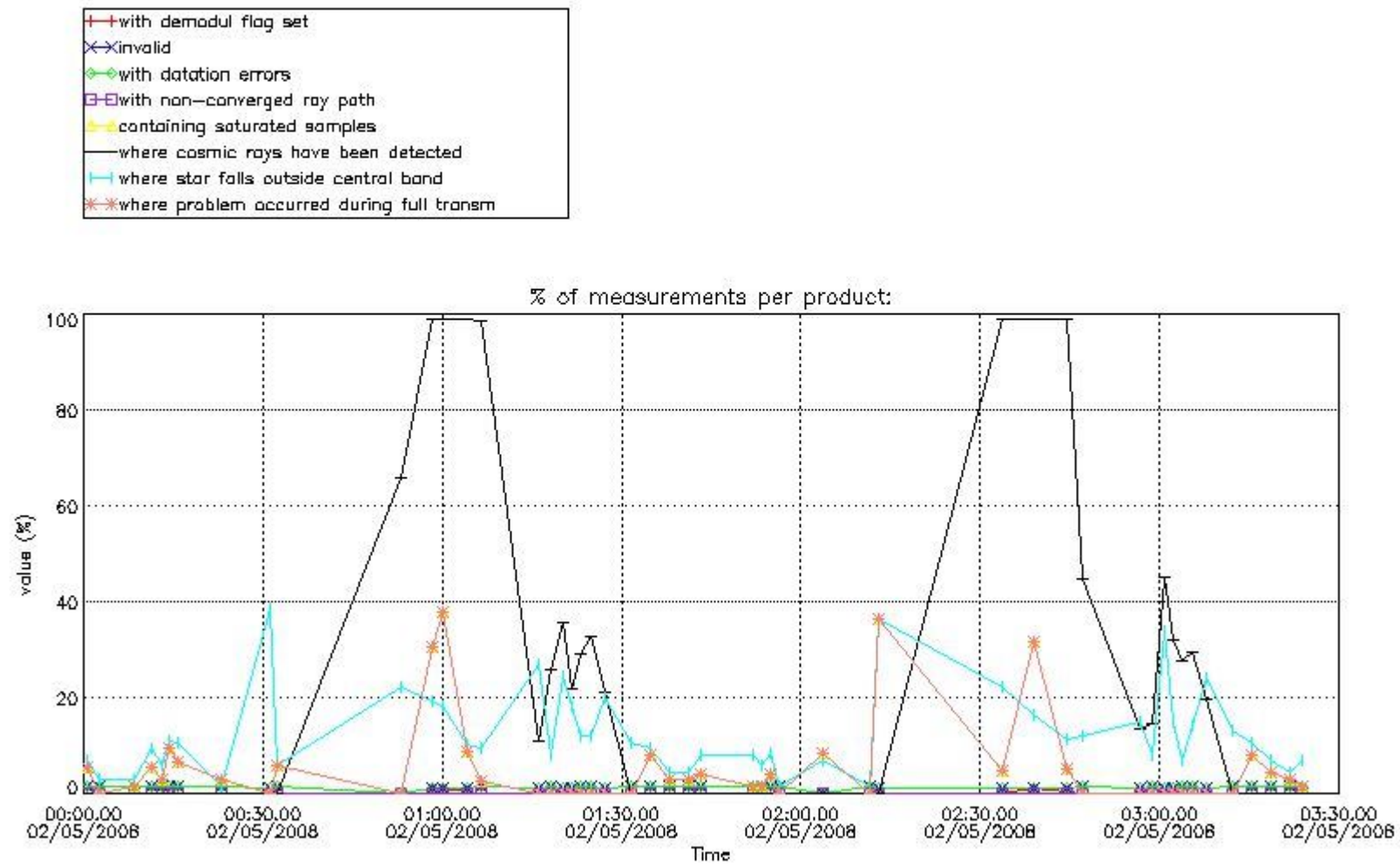
5. Demodulation flag and quality information monitoring

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.

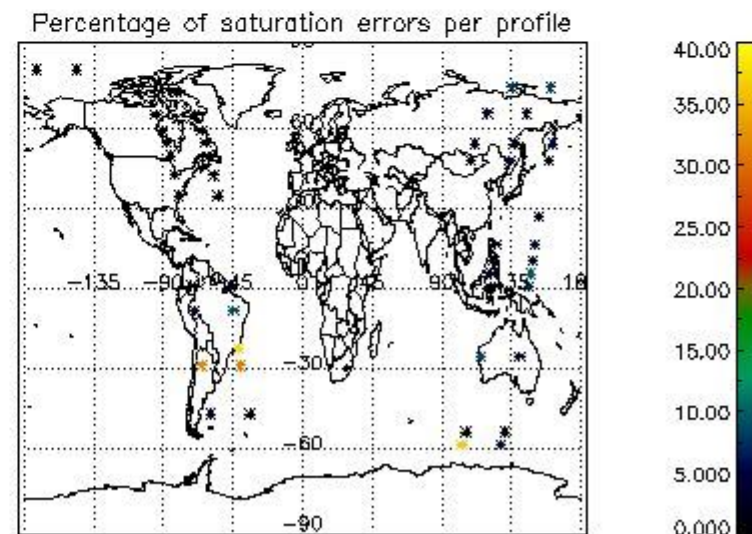
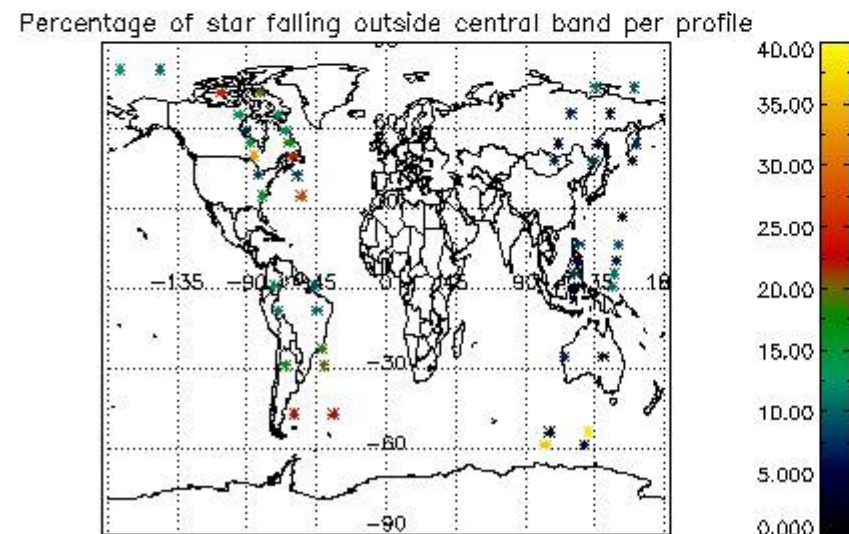
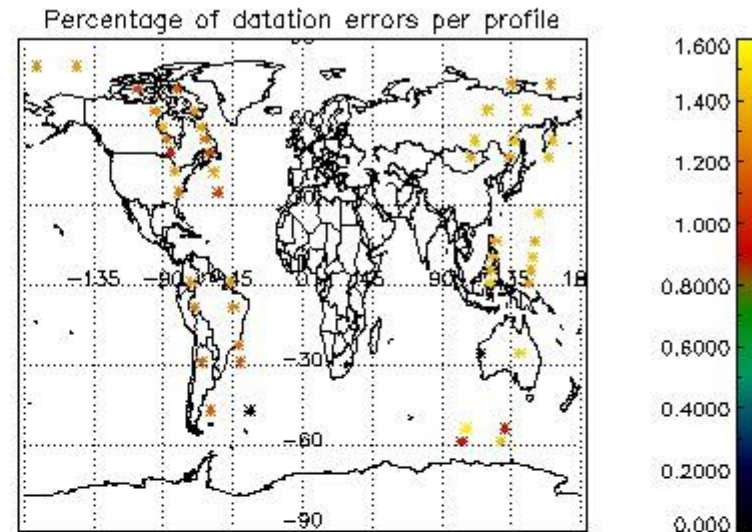
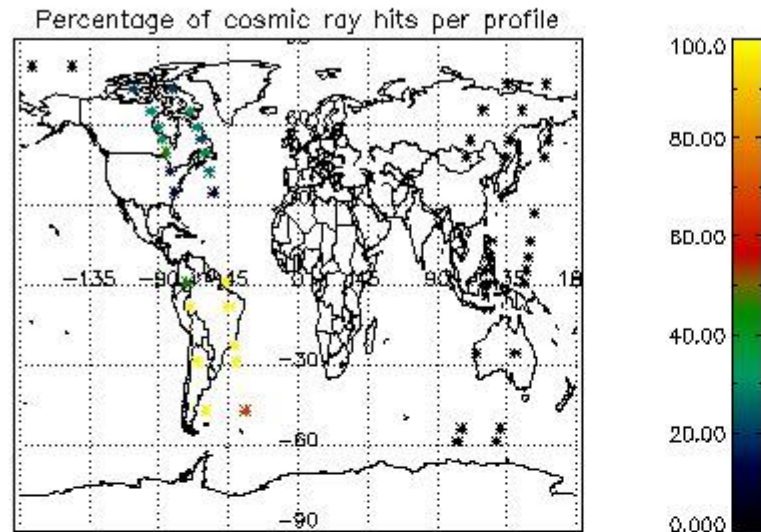
5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	20.0000 %
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)



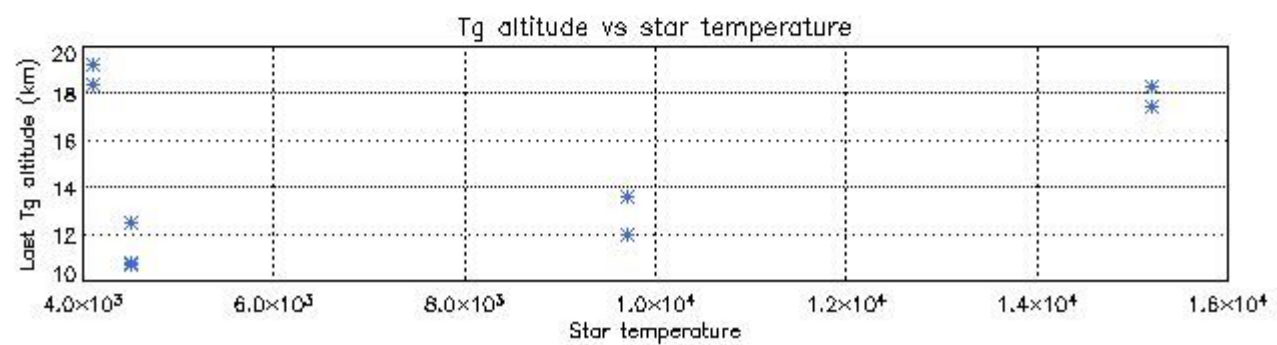
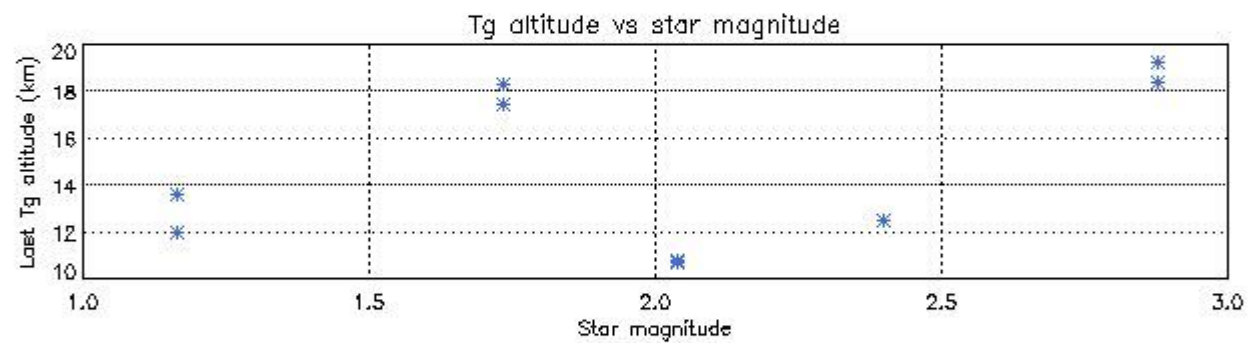
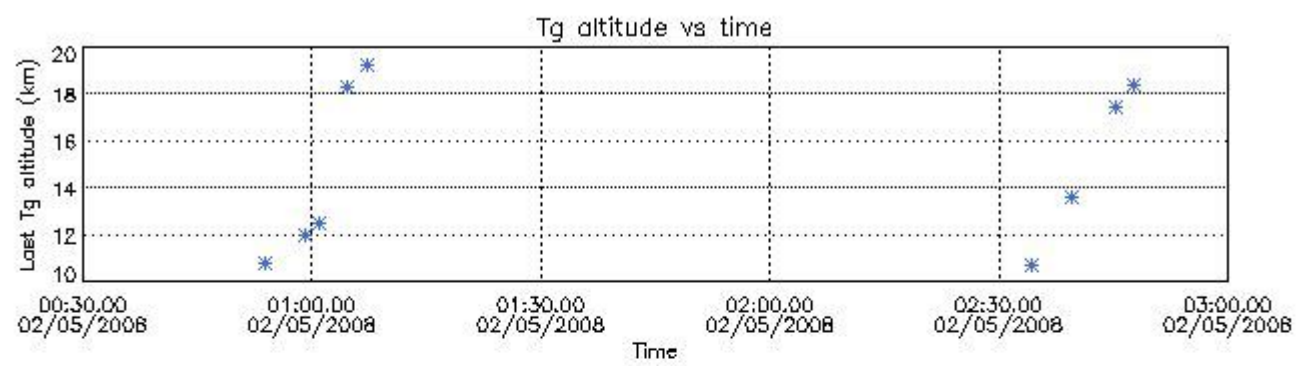
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.764	19.616	NaN
St. deviation:	3.5347	5.3262	NaN
Maximum:	19.273	28.678	NaN
Minimum:	10.707	3.3947	NaN
Number of data:	9.0000	27.000	NaN

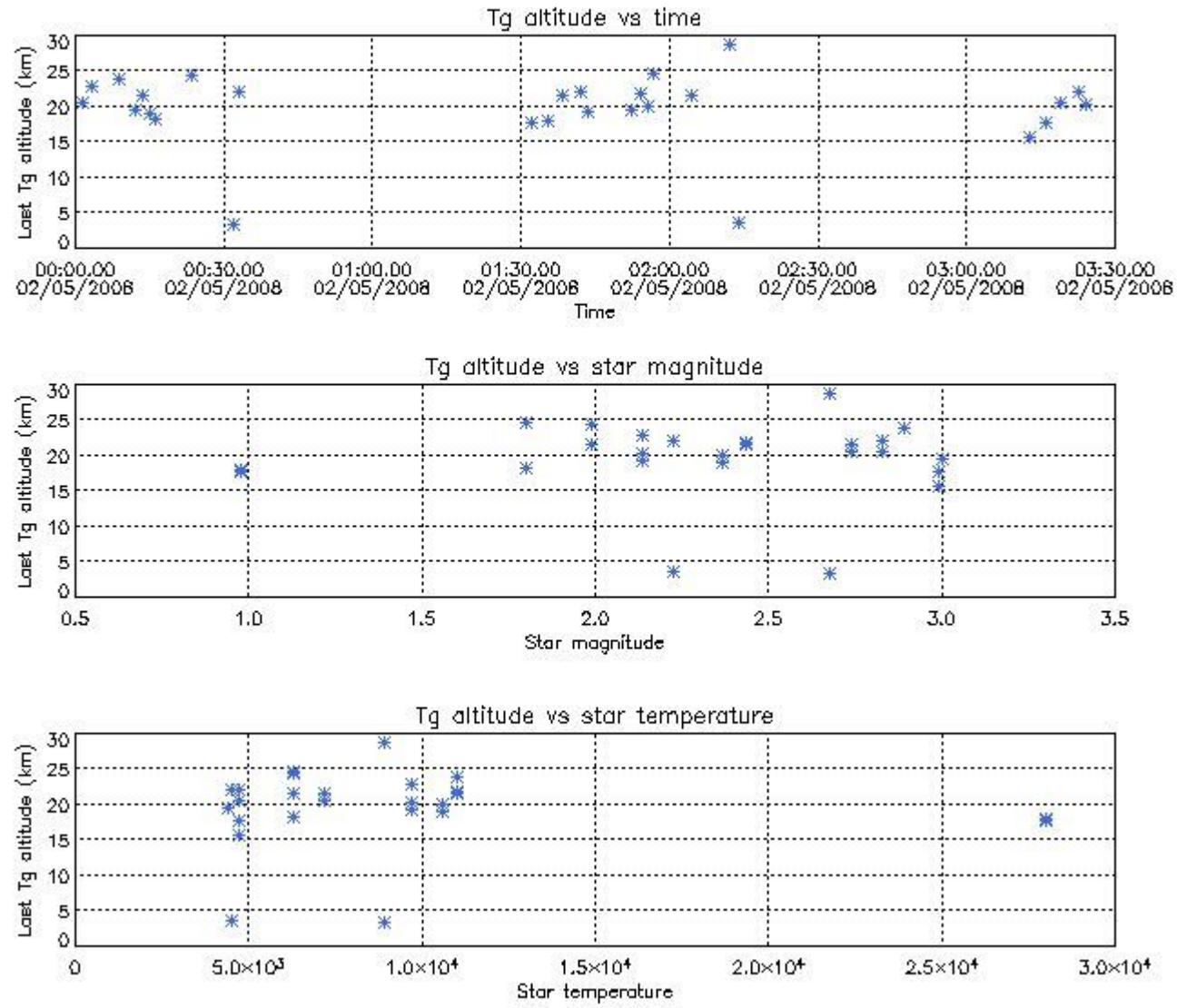
6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

Tangent altitude at which the star is lost

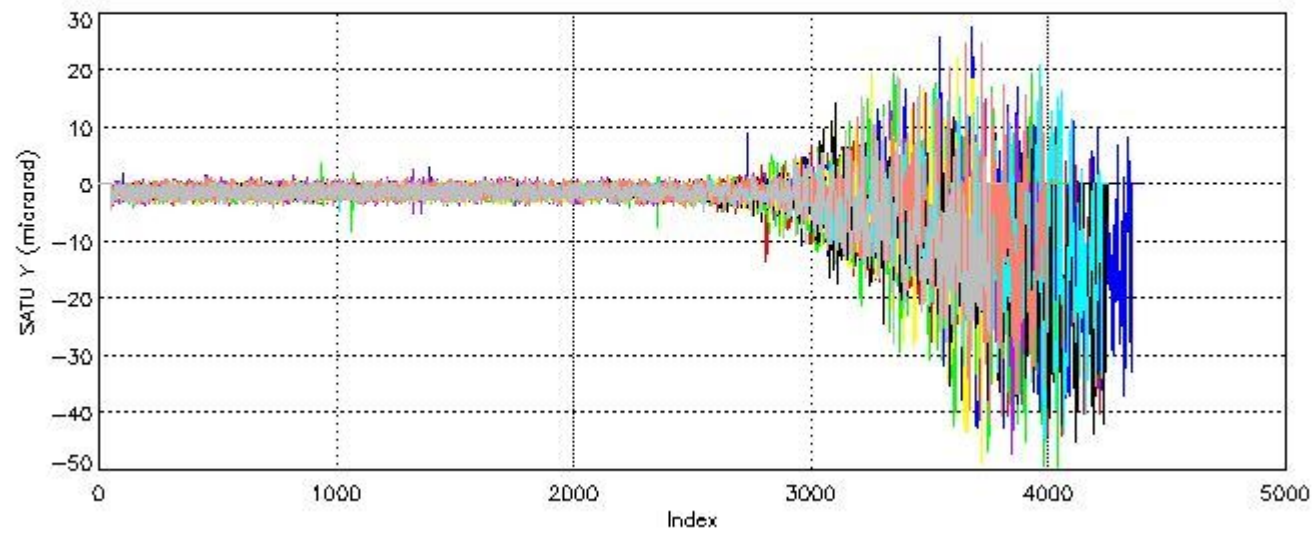
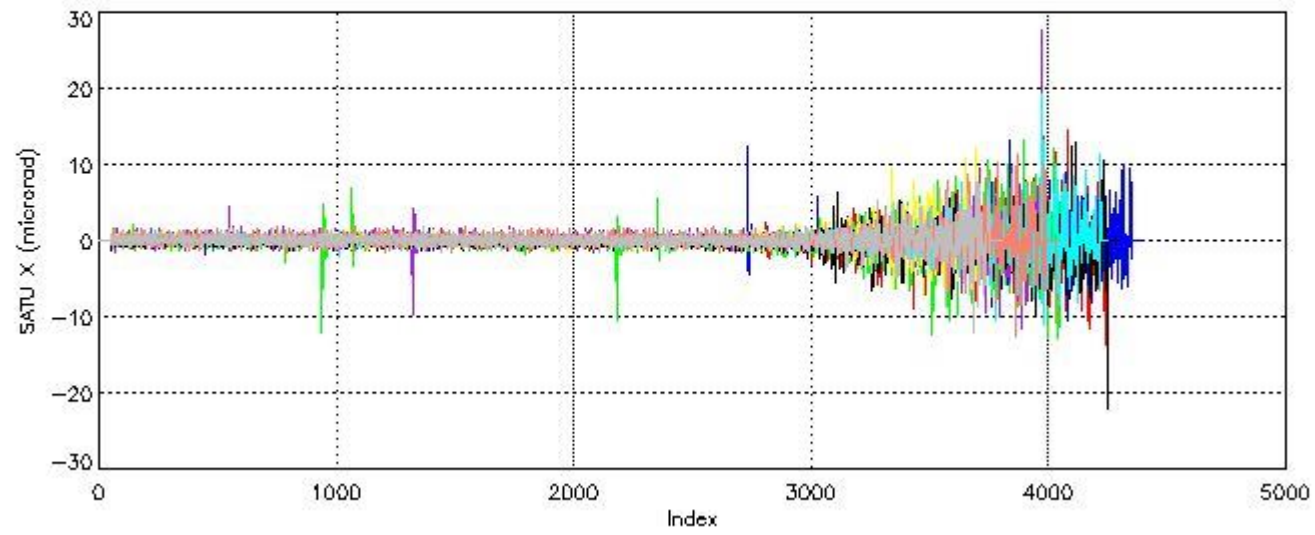


7. Star Acquisition and Tracking Unit (SATU)

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:	-0.00092302	-1.2847	0.0054090	-1.4470
St. deviation:	0.40511	0.83385	0.83758	1.2984
Maximum:	4.6000	1.8000	4.8000	4.5000
Minimum:	-2.8000	-4.4000	-6.8000	-8.9000

Number of data:	7750.0	7750.0	22100.	22100.
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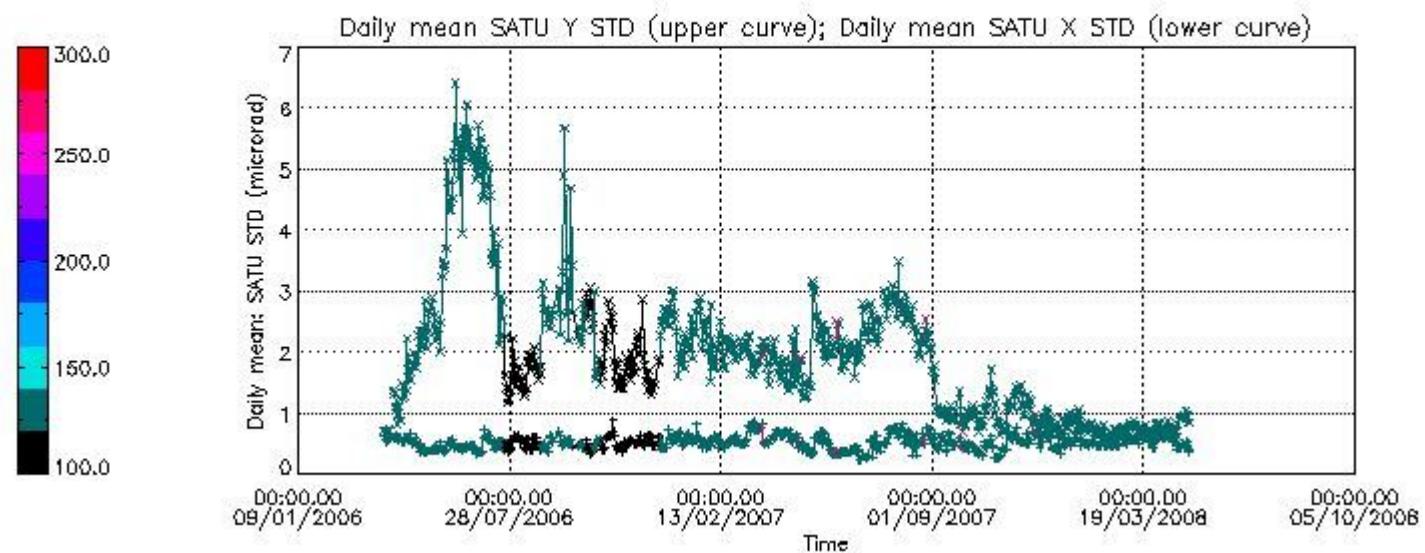
7.2.2 Trend of daily SATU NEA St. deviation since 1st April 2006 (dark limb)

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

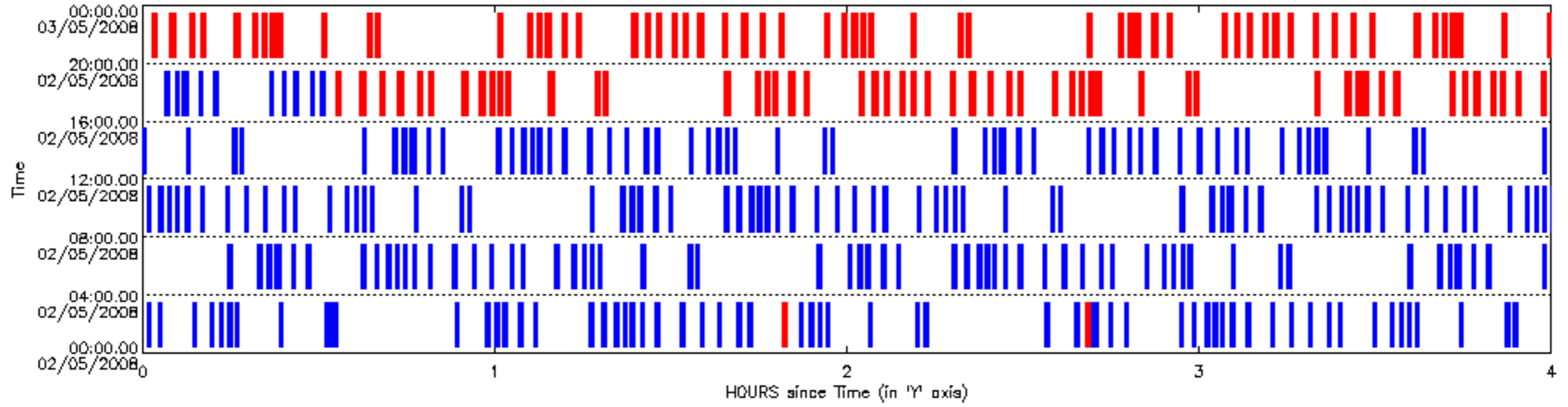
Lower curve: STD of SATU X axis

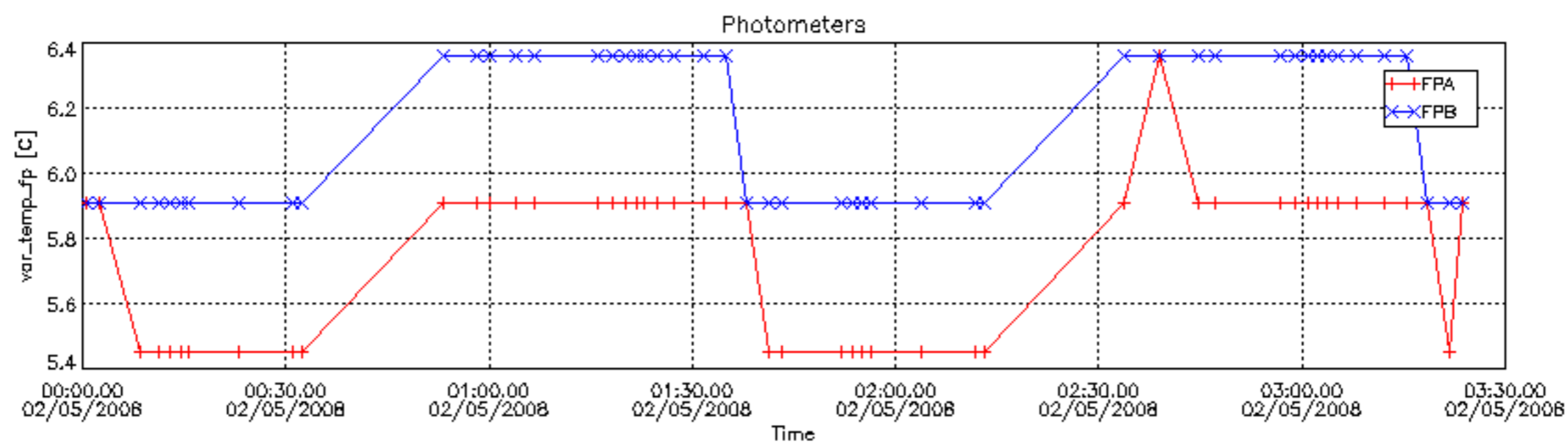
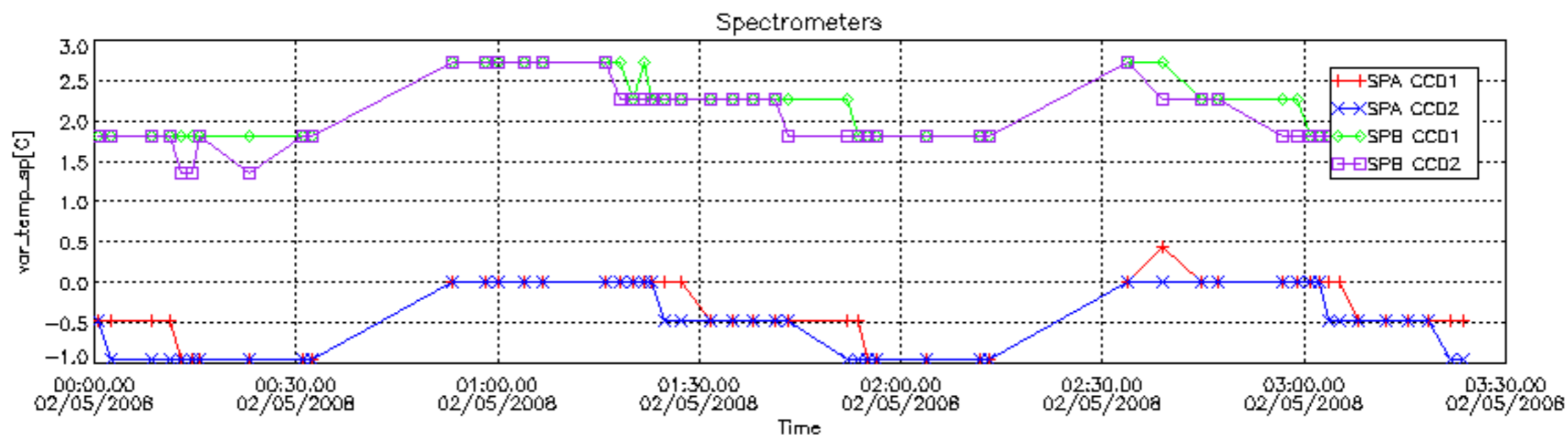


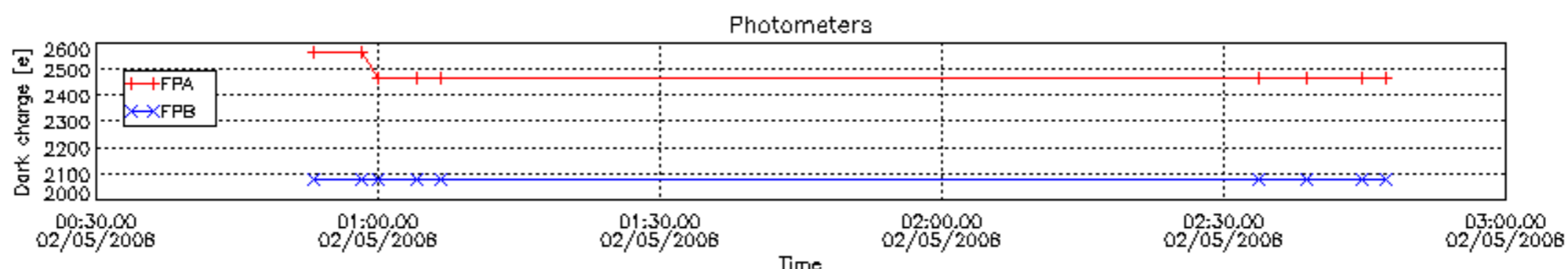
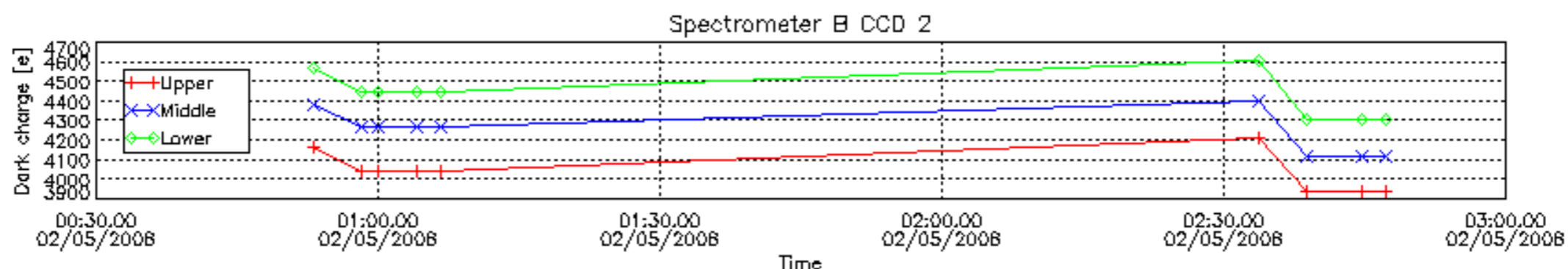
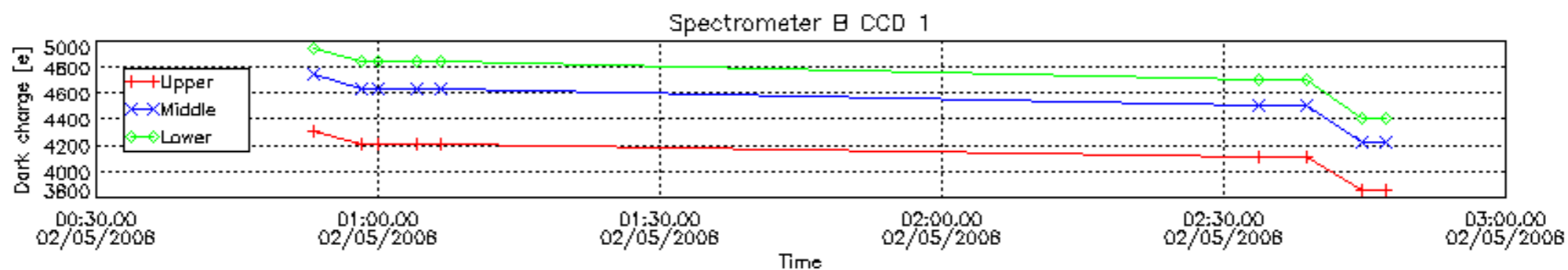
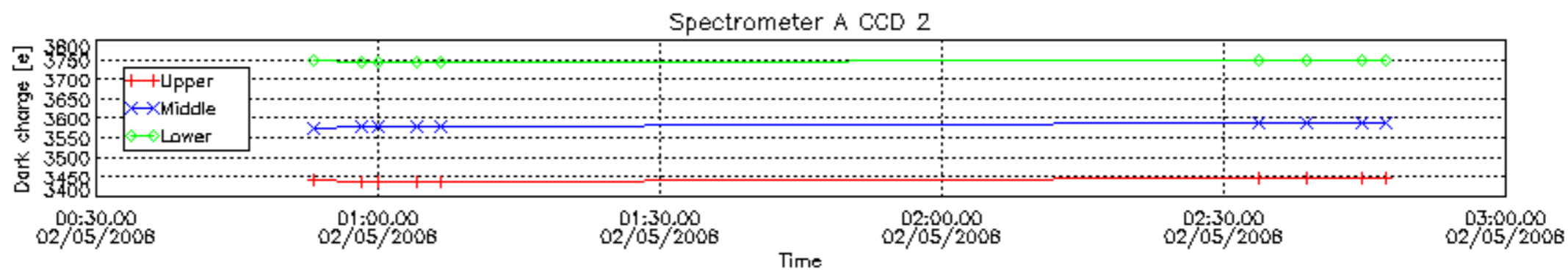
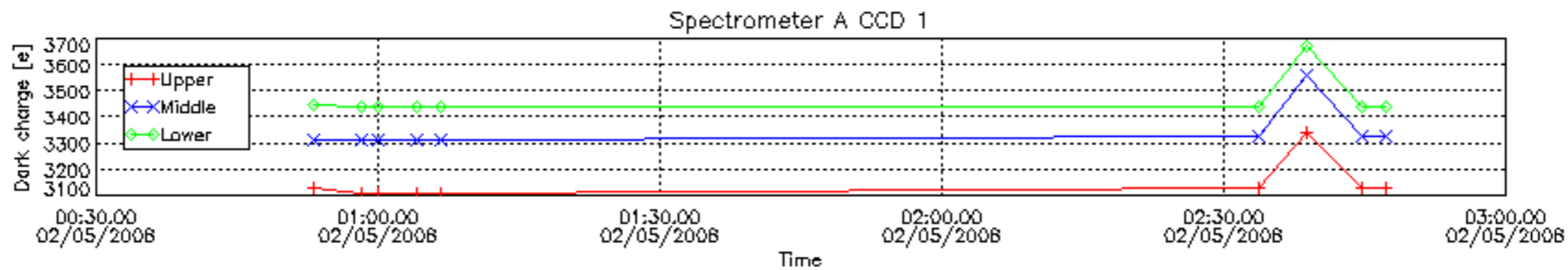
8. Auxiliary Data Files used for the production reported in section 2.4

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.

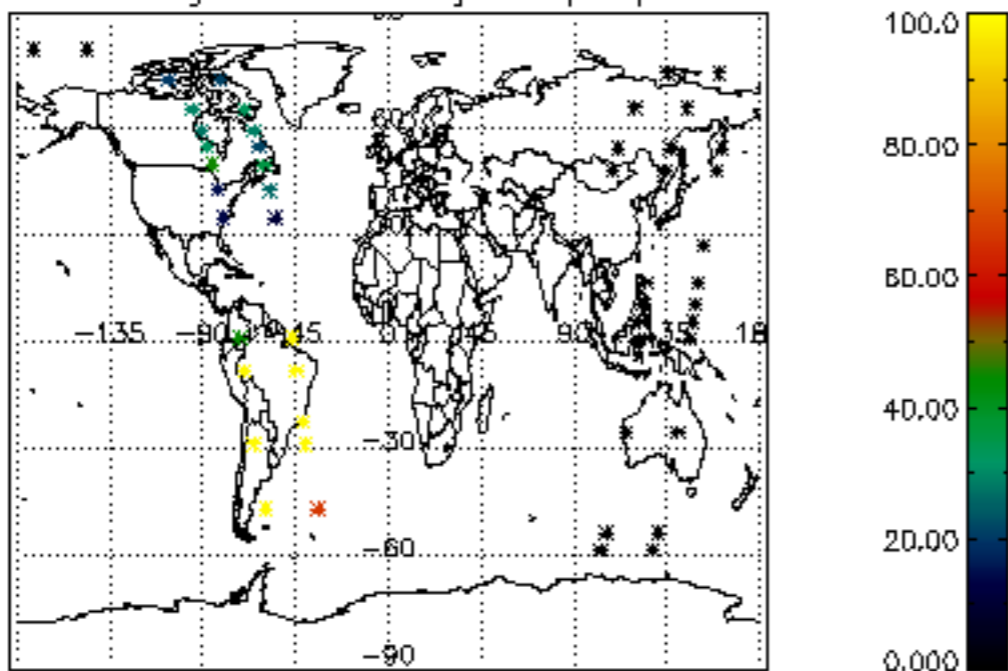
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150713_20030716_120000_20100101_000000	1	02-MAY-2008 00:00:39
CALIBRATION_DATABASE	GOM_CAL_AXVIEC20080424_075418_20080422_000000_20100101_000000	1	02-MAY-2008 00:00:39
LEVEL-1B_PROC_CONFIG	GOM_PR1_AXNIEC20050627_151042_20020301_000000_20100101_000000	1	02-MAY-2008 00:00:39
STAR_CATALOGUE	GOM_CAT_AXVIEC20020121_161009_20020101_000000_20200101_000000	1	02-MAY-2008 00:00:39
STELLAR_SPECTRA_DATABANK	GOM_STS_AXNIEC20040308_103538_20020101_160000_20100101_000000	1	02-MAY-2008 00:00:39
ECMWF_FILE	AUX_ECF_AXNECM20080501_072111_20080501_210000_20080502_090000	1	02-MAY-2008 00:00:39
OPTIONAL_ECMWF_FILE	MISSING	1	02-MAY-2008 00:00:39
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080501_212923_000057382068_00143_32261_5444.N1	1	02-MAY-2008 00:00:39
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080501_231020_000057382068_00144_32262_5445.N1	12	02-MAY-2008 00:58:15
ORBIT_DATA_FILE	DOR_NAV_OPNPDE20080502_005117_000041442068_00145_32263_5446.N1	33	02-MAY-2008 02:11:39



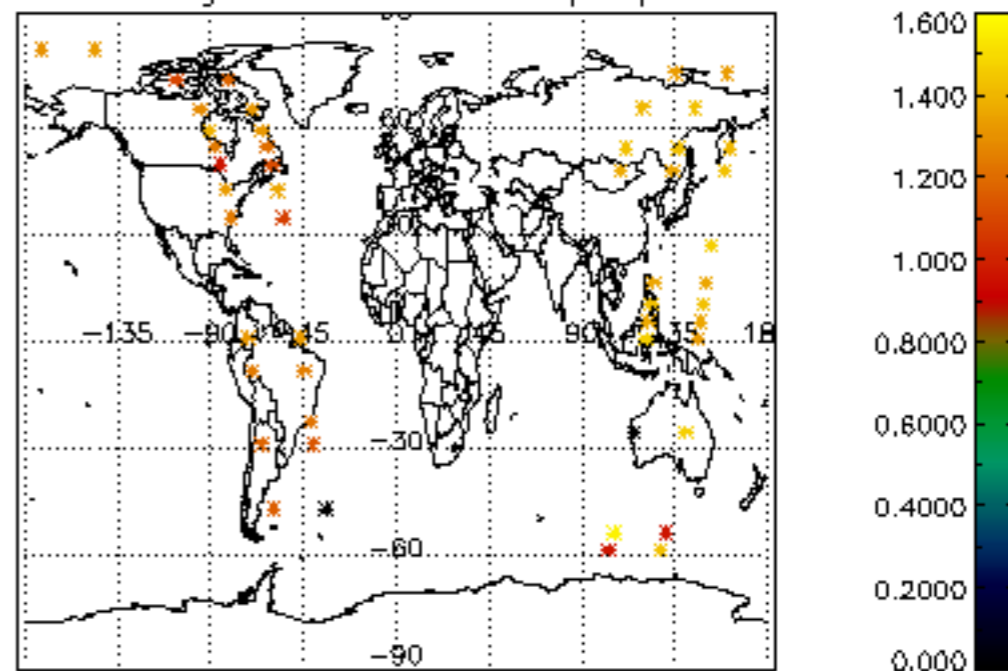




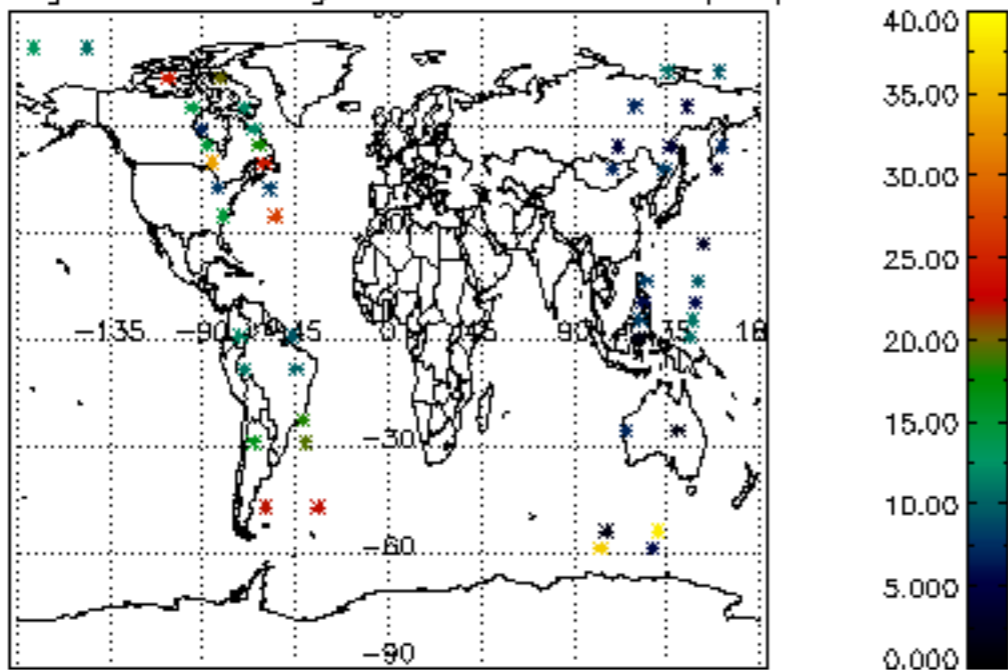
Percentage of cosmic ray hits per profile



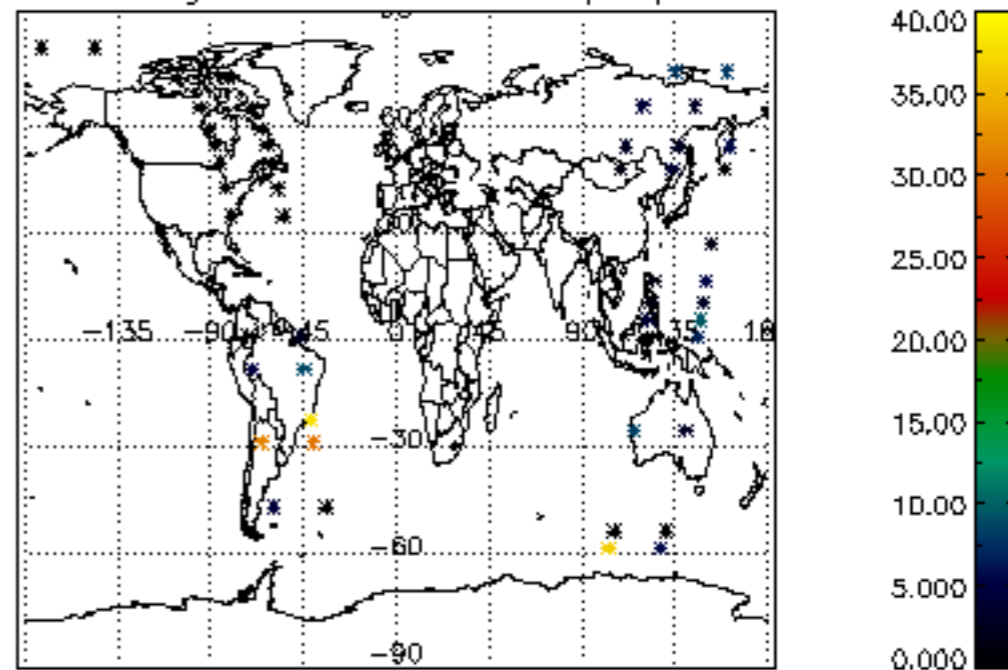
Percentage of datation errors per profile



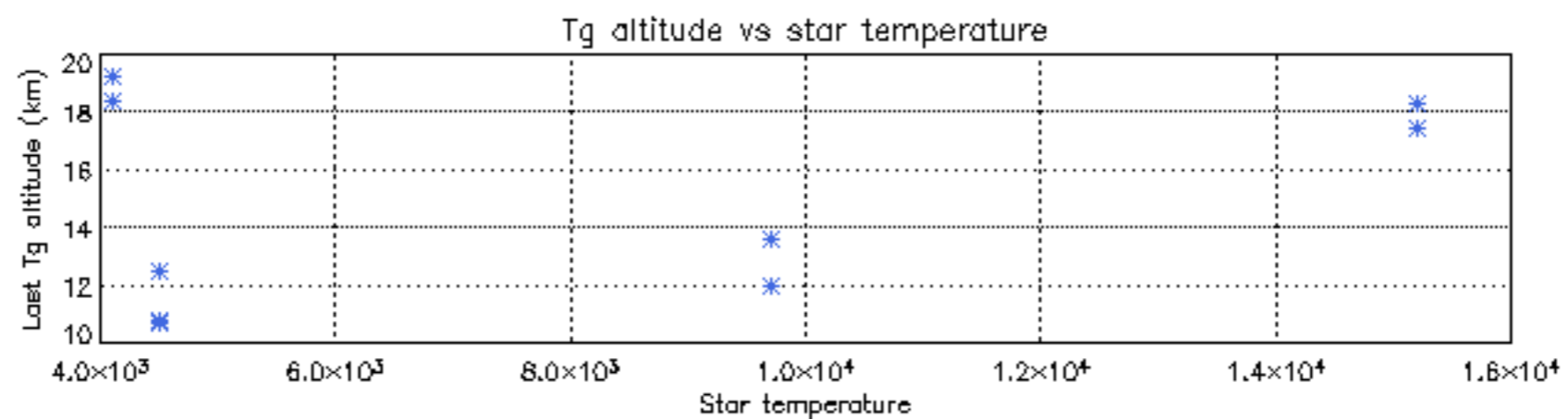
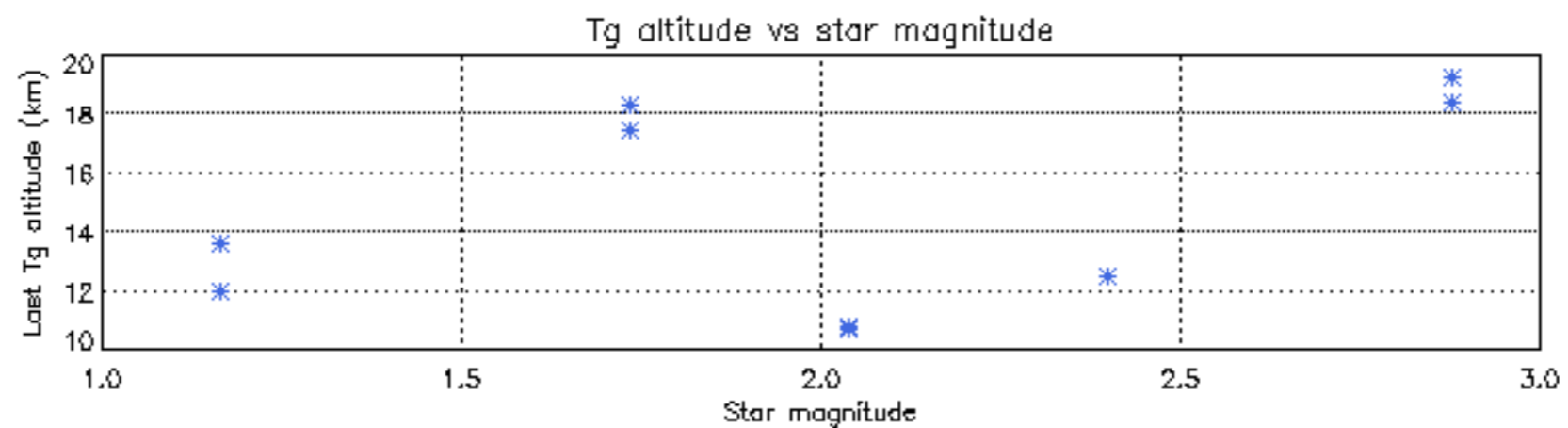
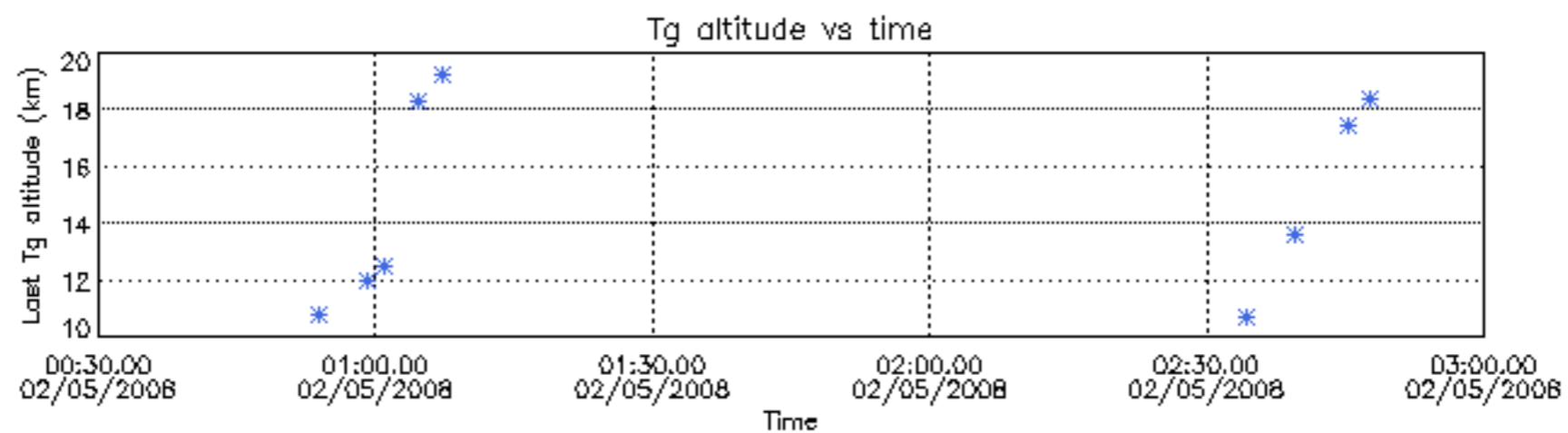
Percentage of star falling outside central band per profile



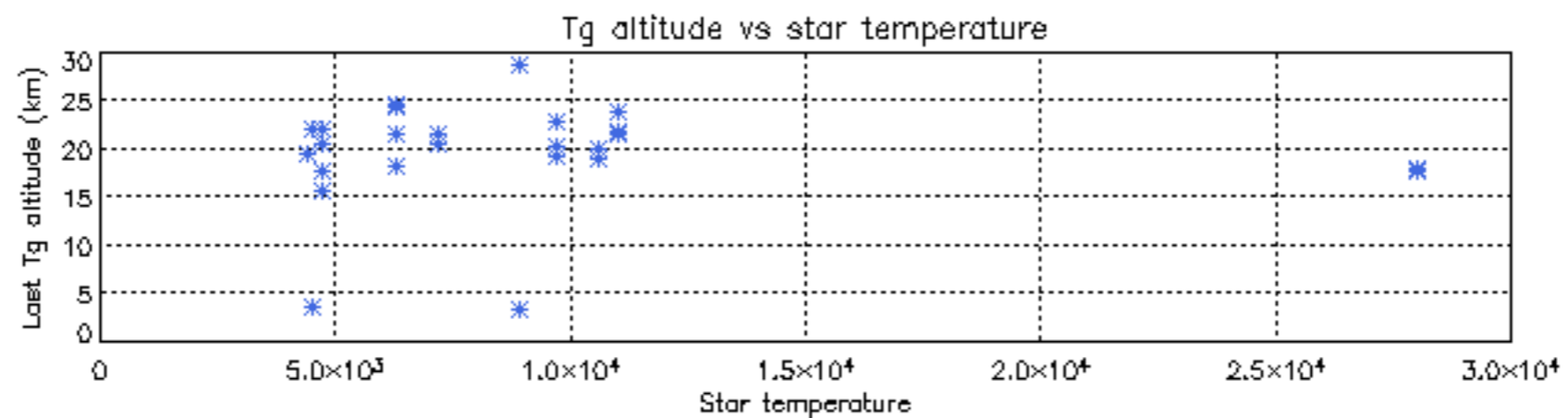
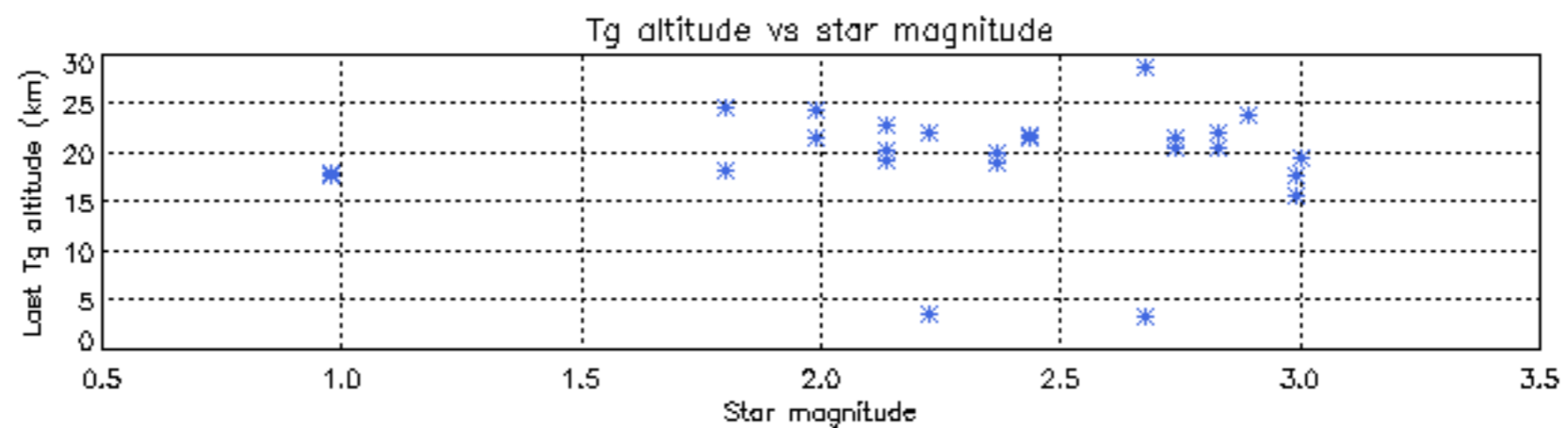
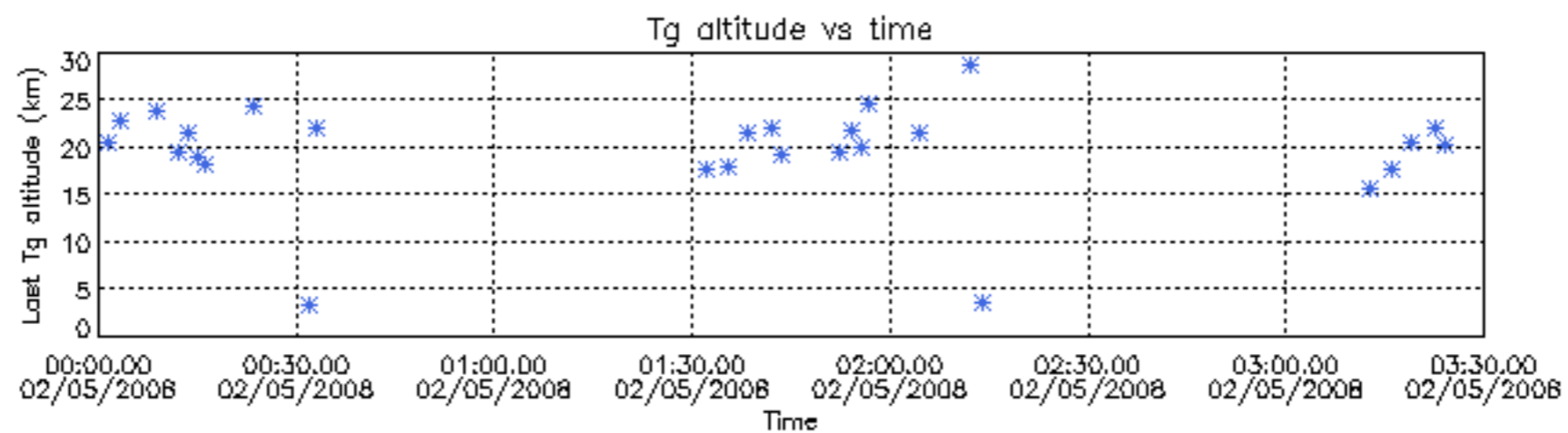
Percentage of saturation errors per profile

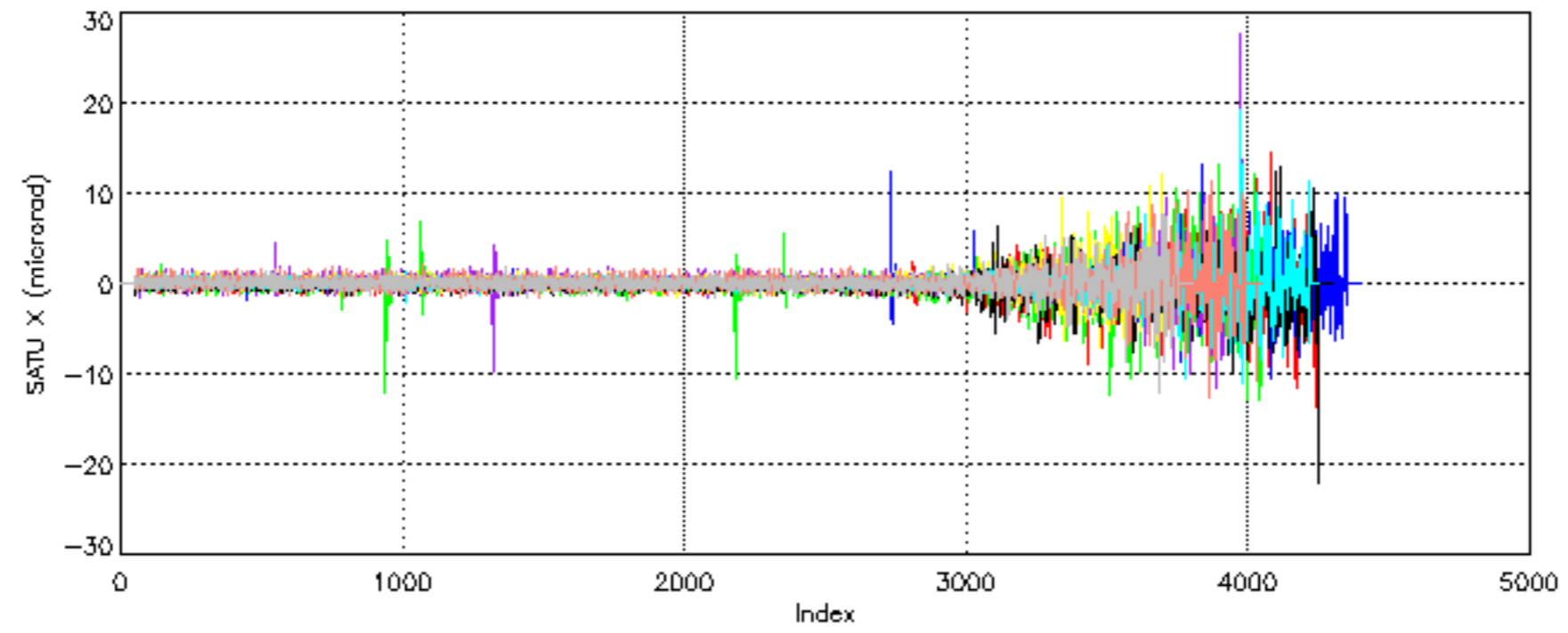


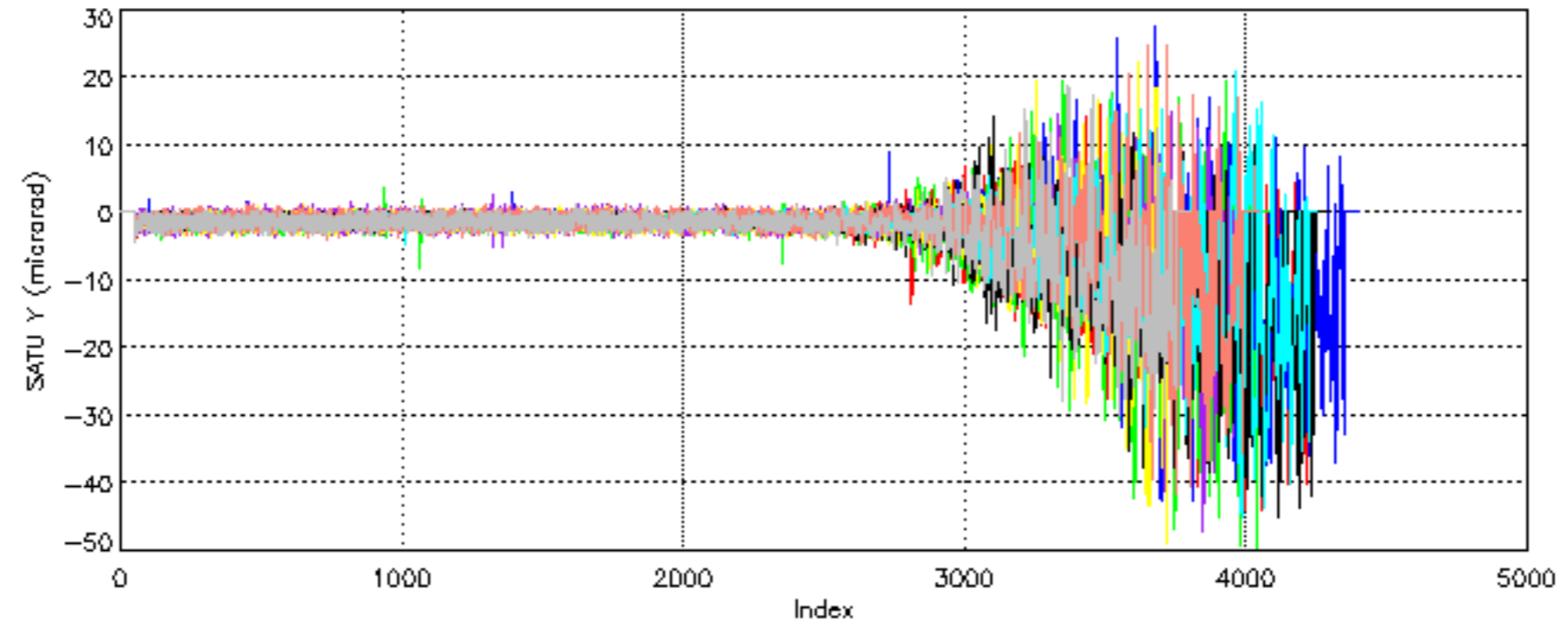
Tangent altitude at which the star is lost

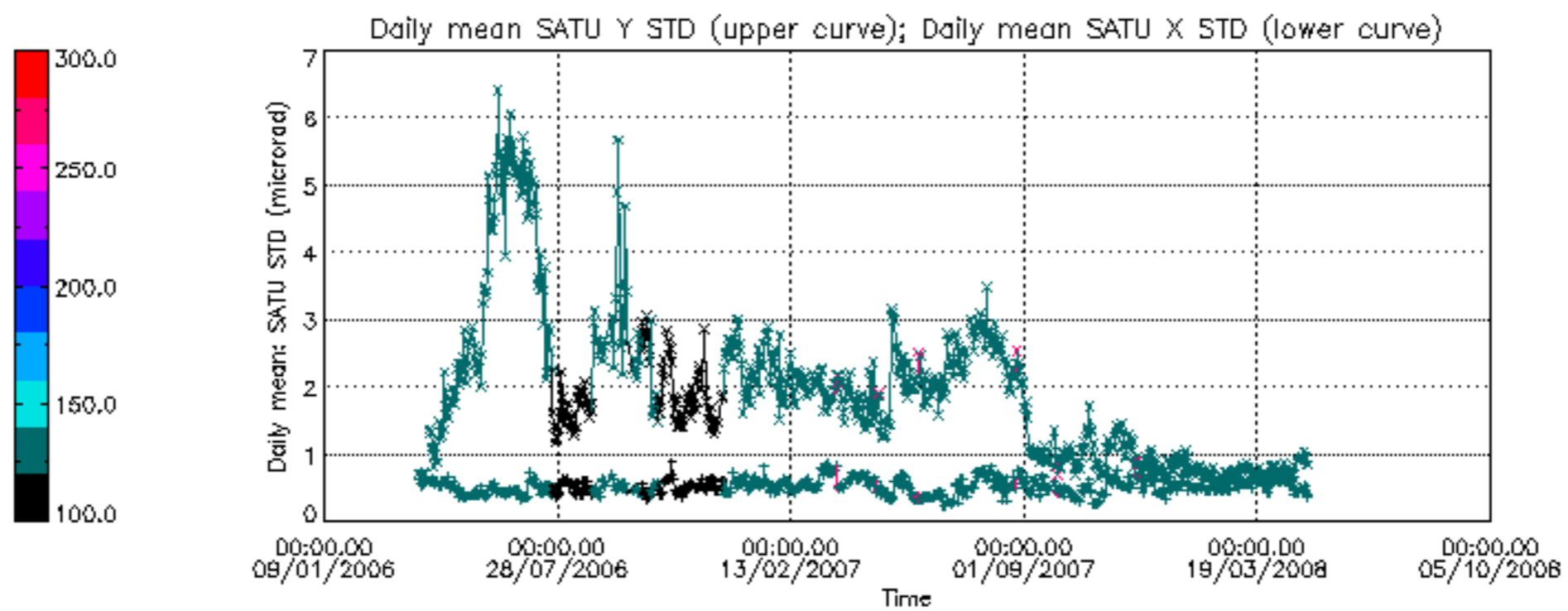


Tangent altitude at which the star is lost









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1; -788.6; 01-MAY-2008 01:24:47; Dark ; 43.5; 52; 16Bet Cet ; 2.04; 4500;occ; 87; 6;32249
 2; -490.9; 01-MAY-2008 01:29:44; Dark ; 44.0; 18; 24Alp PsA ; 1.17; 9700;occ; 88; 0;32249
 3; -363.8; 01-MAY-2008 01:31:51; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32249
 4; -144.6; 01-MAY-2008 01:35:30; Dark ; 39.5; 31; Alp Gru ; 1.73; 15200;occ; 79; 0;32249
 5; 579.3; 01-MAY-2008 01:47:34; Dark ; 38.5; 43; Alp TrA ; 1.91; 4250;occ; 77; 0;32250
 6; 711.2; 01-MAY-2008 01:49:46; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;32250
 7; 834.0; 01-MAY-2008 01:51:49; Dark ; 44.0; 4; Alp1Cen ; -0.01; 5800;occ; 88; 0;32250
 8; 925.5; 01-MAY-2008 01:53:21; Dark ; 37.0; 20; Bet Cru ; 1.25; 30000;occ; 74; 0;32250
 9; 999.9; 01-MAY-2008 01:54:35; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;32250
 10; 1107.3; 01-MAY-2008 01:56:22; Dark ; 36.5; 64; Gam Cen ; 2.20; 10600;occ; 73; 0;32250
 11; 1257.2; 01-MAY-2008 01:58:52; Dark ; 42.5; 54; 5The Cen ; 2.06; 4500;occ; 85; 0;32250
 12; 1513.6; 01-MAY-2008 02:03:09; Dark ; 41.0; 169; 46Gam Hya ; 2.99; 4700;occ; 82; 0;32250
 13; 1712.8; 01-MAY-2008 02:06:28; Bright; 38.0; 15; 67Alp Vir ; 0.98; 28000;occ; 76; 0;32250
 14; 1897.6; 01-MAY-2008 02:09:33; Bright; 49.0; 121; 29Gam Vir ; 2.74; 7200;occ; 98; 0;32250
 15; 2096.0; 01-MAY-2008 02:12:51; Bright; 35.5; 138; 47Eps Vir ; 2.83; 4700;occ; 71; 0;32250
 16; 2204.4; 01-MAY-2008 02:14:40; Bright; 36.0; 62; 94Bet Leo ; 2.14; 9700;occ; 72; 0;32250
 17; 2559.7; 01-MAY-2008 02:20:35; Bright; 35.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 70; 0;32250
 18; 2729.7; 01-MAY-2008 02:23:25; Bright; 34.5; 174; 52Psi UMa ; 3.00; 4400;occ; 69; 0;32250
 19; 2833.8; 01-MAY-2008 02:25:09; Bright; 36.0; 87; 64Gam UMa ; 2.43; 11000;occ; 72; 0;32250
 20; 2918.7; 01-MAY-2008 02:26:34; Bright; 35.5; 82; 48Bet UMa ; 2.37; 10600;occ; 71; 0;32250
 21; 2997.3; 01-MAY-2008 02:27:52; Bright; 36.0; 36; 50Alp UMa ; 1.80; 6300;occ; 72; 0;32250
 22; 3444.8; 01-MAY-2008 02:35:20; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;32250

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1; -2117.0; 01-MAY-2008 02:43:14; Bright; 34.0; 110; 37Del Cas ; 2.68; 8900;occ; 68; 0;32250
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 3; -791.5; 01-MAY-2008 03:05:20; Dark ; 41.5; 52; 16Bet Cet ; 2.04; 4500;occ; 83; 0;32250
 4; -490.3; 01-MAY-2008 03:10:21; Dark ; 46.0; 18; 24Alp PsA ; 1.17; 9700;occ; 92; 0;32250
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 6; -144.0; 01-MAY-2008 03:16:07; Dark ; 39.5; 31; Alp Gru ; 1.73; 15200;occ; 79; 0;32250
 7; 579.7; 01-MAY-2008 03:28:11; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;32251
 8; 711.5; 01-MAY-2008 03:30:23; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;32251
 9; 834.4; 01-MAY-2008 03:32:25; Dark ; 44.5; 4; Alp1Cen ; -0.01; 5800;occ; 89; 0;32251
 10; 925.8; 01-MAY-2008 03:33:57; Dark ; 42.5; 20; Bet Cru ; 1.25; 30000;occ; 85; 0;32251
 11; 1000.2; 01-MAY-2008 03:35:11; Dark ; 36.5; 77; Eps Cen ; 2.30; 28000;occ; 73; 0;32251
 12; 1107.6; 01-MAY-2008 03:36:59; Dark ; 38.5; 64; Gam Cen ; 2.20; 10600;occ; 77; 0;32251
 13; 1257.5; 01-MAY-2008 03:39:29; Dark ; 42.5; 54; 5The Cen ; 2.06; 4500;occ; 85; 0;32251
 14; 1514.0; 01-MAY-2008 03:43:45; Dark ; 44.5; 169; 46Gam Hya ; 2.99; 4700;occ; 89; 0;32251
 15; 1713.1; 01-MAY-2008 03:47:04; Bright; 37.5; 15; 67Alp Vir ; 0.98; 28000;occ; 75; 0;32251
 16; 1897.7; 01-MAY-2008 03:50:09; Bright; 35.5; 121; 29Gam Vir ; 2.74; 7200;occ; 71; 0;32251
 17; 2096.2; 01-MAY-2008 03:53:27; Bright; 52.0; 138; 47Eps Vir ; 2.83; 4700;occ; 104; 0;32251
 18; 2204.8; 01-MAY-2008 03:55:16; Bright; 35.0; 62; 94Bet Leo ; 2.14; 9700;occ; 70; 0;32251
 19; 2559.8; 01-MAY-2008 04:01:11; Bright; 34.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 69; 0;32251
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 21; 2834.1; 01-MAY-2008 04:05:45; Bright; 34.0; 87; 64Gam UMa ; 2.43; 11000;occ; 68; 0;32251
 22; 2919.2; 01-MAY-2008 04:07:10; Bright; 40.5; 82; 48Bet UMa ; 2.37; 10600;occ; 81; 0;32251
 23; 2997.7; 01-MAY-2008 04:08:29; Bright; 32.5; 36; 50Alp UMa ; 1.80; 6300;occ; 65; 0;32251
 24; 3444.9; 01-MAY-2008 04:15:56; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;32251

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 4; -489.8; 01-MAY-2008 04:50:57; Dark ; 45.0; 18; 24Alp PsA ; 1.17; 9700;occ; 90; 0;32251
 5; -362.6; 01-MAY-2008 04:53:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32251
 6; -143.4; 01-MAY-2008 04:56:44; Dark ; 40.5; 31; Alp Gru ; 1.73; 15200;occ; 81; 0;32251
 7; 580.1; 01-MAY-2008 05:08:47; Dark ; 40.5; 43; Alp TrA ; 1.91; 4250;occ; 81; 0;32252
 8; 711.8; 01-MAY-2008 05:10:59; Dark ; 36.5; 134; Bet TrA ; 2.81; 6600;occ; 73; 0;32252
 9; 834.7; 01-MAY-2008 05:13:02; Dark ; 42.5; 4; Alp1Cen ; -0.01; 5800;occ; 85; 0;32252
 10; 925.9; 01-MAY-2008 05:14:33; Dark ; 39.0; 20; Bet Cru ; 1.25; 30000;occ; 78; 0;32252
 11; 1000.4; 01-MAY-2008 05:15:48; Dark ; 38.0; 77; Eps Cen ; 2.30; 28000;occ; 76; 0;32252
 12; 1107.6; 01-MAY-2008 05:17:35; Dark ; 41.5; 64; Gam Cen ; 2.20; 10600;occ; 83; 0;32252
 13; 1257.7; 01-MAY-2008 05:20:05; Dark ; 38.5; 54; 5The Cen ; 2.06; 4500;occ; 77; 0;32252
 14; 1514.2; 01-MAY-2008 05:24:21; Bright; 36.5; 169; 46Gam Hya ; 2.99; 4700;occ; 73; 0;32252
 15; 1713.2; 01-MAY-2008 05:27:40; Bright; 38.0; 15; 67Alp Vir ; 0.98; 28000;occ; 76; 0;32252
 16; 1898.0; 01-MAY-2008 05:30:45; Bright; 36.0; 121; 29Gam Vir ; 2.74; 7200;occ; 72; 0;32252
 17; 2096.4; 01-MAY-2008 05:34:03; Bright; 35.5; 138; 47Eps Vir ; 2.83; 4700;occ; 71; 0;32252
 18; 2205.2; 01-MAY-2008 05:35:52; Bright; 39.0; 62; 94Bet Leo ; 2.14; 9700;occ; 78; 0;32252
 19; 2559.7; 01-MAY-2008 05:41:47; Bright; 34.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 68; 0;32252

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25; 7201.2; 09-MAY-2008 12:49:49; Dark ; 37.5; 81; Eta Cen ; 2.36; 28000;occ; 75; 0;32370
26; 7320.1; 09-MAY-2008 12:51:47; Dark ; 40.5; 54; 5The Cen ; 2.06; 4500;occ; 81; 0;32370
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3; 2111.0; 09-MAY-2008 13:05:34; Bright; 36.0; 138; 47Eps Vir ; 2.83; 4700;occ; 72; 0;32371
4; 2221.5; 09-MAY-2008 13:07:25; Bright; 35.0; 111; 8Eta Boo ; 2.68; 6000;occ; 70; 0;32371
5; 2566.7; 09-MAY-2008 13:13:10; Bright; 34.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 68; 0;32371
6; 2750.2; 09-MAY-2008 13:16:13; Bright; 34.0; 39; 85Eta UMa ; 1.85; 24000;occ; 68; 0;32371
7; 2840.6; 09-MAY-2008 13:17:44; Bright; 37.0; 55; 79Zet UMa ; 2.06; 10200;occ; 74; 0;32371
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9; 3196.0; 09-MAY-2008 13:23:39; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32371
10; 3445.8; 09-MAY-2008 13:27:49; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;32371
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12; 4009.6; 09-MAY-2008 13:37:13; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;32371
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19; 5967.0; 09-MAY-2008 14:09:50; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;32371

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 26; 7201.6; 09-MAY-2008 14:30:25; Dark ; 37.5; 81; Eta Cen ; 2.36; 28000;occ; 75; 0;32371
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 9; 3195.8; 09-MAY-2008 15:04:15; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;32372
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 23; 6788.9; 09-MAY-2008 16:04:08; Dark ; 38.0; 134; Bet TrA ; 2.81; 6600;occ; 76; 0;32372
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 12; 3445.8; 09-MAY-2008 16:49:01; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32373
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 18; 5617.2; 09-MAY-2008 17:25:12; Dark ; 45.5; 18; 24Alp PsA ; 1.17; 9700;occ; 91; 0;32373
 19; 5763.7; 09-MAY-2008 17:27:39; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32373
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 21; 5968.4; 09-MAY-2008 17:31:04; Dark ; 42.0; 31; Alp Gru ; 1.73; 15200;occ; 84; 0;32373
 22; 6096.9; 09-MAY-2008 17:33:12; Dark ; 38.5; 148; Alp Tuc ; 2.88; 4100;occ; 77; 0;32373
 23; 6303.8; 09-MAY-2008 17:36:39; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32373
 24; 6657.5; 09-MAY-2008 17:42:33; Dark ; 37.0; 43; Alp TrA ; 1.91; 4250;occ; 74; 0;32373
 25; 6789.3; 09-MAY-2008 17:44:44; Dark ; 36.5; 134; Bet TrA ; 2.81; 6600;occ; 73; 0;32373
 26; 6899.9; 09-MAY-2008 17:46:35; Dark ; 49.0; 4; Alp1Cen ; -0.01; 5800;occ; 98; 0;32373
 27; 7111.0; 09-MAY-2008 17:50:06; Dark ; 38.5; 78; Alp Lup ; 2.30; 28000;occ; 77; 0;32373
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22; 5969.0; 09-MAY-2008 19:11:40; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;32374
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25; 6657.7; 09-MAY-2008 19:23:09; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;32374
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3; 1284.9; 09-MAY-2008 19:34:12; Dark ; 42.0; 54; 5The Cen ; 2.06; 4500;occ; 84; 0;32375
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22; 5969.5; 09-MAY-2008 20:52:17; Dark ; 40.5; 31; Alp Gru ; 1.73; 15200;occ; 81; 0;32375
23; 6097.6; 09-MAY-2008 20:54:25; Dark ; 43.5; 148; Alp Tuc ; 2.88; 4100;occ; 87; 0;32375
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27; 6900.1; 09-MAY-2008 21:07:47; Dark ; 43.5; 4; Alp1Cen ; -0.01; 5800;occ; 87; 0;32375
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 3; 2221.2; 12-MAY-2008 08:11:22; Bright; 36.0; 111; 8Eta Boo ; 2.68; 6000;occ; 72; 0;32411
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 9; 2746.0; 13-MAY-2008 21:13:17; Bright; 36.0; 39; 85Eta UMa ; 1.85; 24000;occ; 72; 0;32433
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 7; 309.5; 13-MAY-2008 22:13:17; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32434
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 22; 3186.6; 13-MAY-2008 23:01:14; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;32434
 23; 3446.0; 13-MAY-2008 23:05:33; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;32434
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 4; -110.4; 13-MAY-2008 23:46:53; Dark ; 55.5; 63; Bet Gru ; 2.15; 2800;occ; 111; 0;32434

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7;	310.2;	13-MAY-2008	23:53:53;	Dark	;	42.0;	45;	Alp Pav	;	1.94;	26000;occ;	84;	0;	32435
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9;	771.5;	14-MAY-2008	00:01:34;	Dark	;	37.5;	134;	Bet TrA	;	2.81;	6600;occ;	75;	0;	32435
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11;	1089.5;	14-MAY-2008	00:06:52;	Dark	;	38.5;	78;	Alp Lup	;	2.30;	28000;occ;	77;	0;	32435
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19;	2745.8;	14-MAY-2008	00:34:29;	Bright;	;	34.5;	39;	85Eta UMa	;	1.85;	24000;occ;	69;	0;	32435
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21;	3052.3;	14-MAY-2008	00:39:35;	Bright;	;	38.5;	36;	50Alp UMa	;	1.80;	6300;occ;	77;	0;	32435
22;	3186.5;	14-MAY-2008	00:41:49;	Bright;	;	38.0;	60;	7Bet UMi	;	2.08;	3950;occ;	76;	0;	32435
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25;	4011.3;	14-MAY-2008	00:55:34;	Bright;	;	41.5;	68;	18Alp Cas	;	2.22;	4500;occ;	83;	0;	32435
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4;	2574.6;	13-MAY-2008	07:45:38;	Bright;	;	34.0;	152;	12Alp2CVn	;	2.89;	11000;occ;	68;	0;	32425
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9;	3446.1;	13-MAY-2008	08:00:10;	Bright;	;	34.5;	49;	1Alp UMi	;	1.99;	6300;occ;	69;	0;	32425
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11;	4011.4;	13-MAY-2008	08:09:35;	Bright;	;	34.0;	68;	18Alp Cas	;	2.22;	4500;occ;	68;	0;	32425
12;	4509.2;	13-MAY-2008	08:17:53;	Bright;	;	35.0;	58;	21Alp And	;	2.07;	11000;occ;	70;	0;	32425
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14;	5278.3;	13-MAY-2008	08:30:42;	Dark	;	42.0;	52;	16Bet Cet	;	2.04;	4500;occ;	84;	0;	32425
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16;	5687.1;	13-MAY-2008	08:37:31;	Dark	;	41.5;	84;	Alp Phe	;	2.40;	4500;occ;	83;	0;	32425
17;	5920.1;	13-MAY-2008	08:41:24;	Dark	;	45.5;	63;	Bet Gru	;	2.15;	2800;occ;	91;	0;	32425
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23; 7214.6; 13-MAY-2008 12:24:10; Dark ; 37.5; 81; Eta Cen ; 2.36; 28000;occ; 75; 0;32427
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7; 2840.5; 13-MAY-2008 12:51:52; Bright; 35.0; 55; 79Zet UMa ; 2.06; 10200;occ; 70; 0;32428
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11; 4763.3; 15-MAY-2008 12:20:41; Dark ; 41.5; 140; 88Gam Peg ; 2.83; 26000;occ; 83; 0;32456
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13; 5575.9; 15-MAY-2008 12:34:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32456
14; 5695.9; 15-MAY-2008 12:36:13; Dark ; 45.0; 84; Alp Phe ; 2.40; 4500;occ; 90; 0;32456

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 16; 6134.5; 15-MAY-2008 12:43:32; Dark ; 39.0; 148; Alp Tuc ; 2.88; 4100;occ; 78; 0;32456
 17; 6361.6; 15-MAY-2008 12:47:19; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32456
 18; 6683.1; 15-MAY-2008 12:52:41; Dark ; 41.0; 43; Alp TrA ; 1.91; 4250;occ; 82; 0;32456
 19; 6813.8; 15-MAY-2008 12:54:51; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;32456
 20; 6915.8; 15-MAY-2008 12:56:33; Dark ; 40.5; 4; Alp1Cen ; -0.01; 5800;occ; 81; 0;32456
 21; 7130.4; 15-MAY-2008 13:00:08; Dark ; 37.0; 78; Alp Lup ; 2.30; 28000;occ; 74; 0;32456
 22; 7220.8; 15-MAY-2008 13:01:38; Dark ; 41.0; 81; Eta Cen ; 2.36; 28000;occ; 82; 0;32456
 23; 7336.3; 15-MAY-2008 13:03:34; Dark ; 39.5; 54; 5The Cen ; 2.06; 4500;occ; 79; 0;32456

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 3; 2129.0; 15-MAY-2008 13:17:22; Bright; 36.5; 138; 47Eps Vir ; 2.83; 4700;occ; 73; 0;32457
 4; 2222.6; 15-MAY-2008 13:18:56; Bright; 34.0; 111; 8Eta Boo ; 2.68; 6000;occ; 68; 0;32457
 5; 2571.5; 15-MAY-2008 13:24:45; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;32457
 6; 2745.6; 15-MAY-2008 13:27:39; Bright; 34.0; 39; 85Eta UMa ; 1.85; 24000;occ; 68; 0;32457
 7; 2841.7; 15-MAY-2008 13:29:15; Bright; 33.0; 55; 79Zet UMa ; 2.06; 10200;occ; 66; 0;32457
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 9; 3446.1; 15-MAY-2008 13:39:20; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32457
 10; 3937.9; 15-MAY-2008 13:47:31; Bright; 53.0; 76; 27Gam Cas ; 2.30; 30000;occ; 106; 0;32457
 11; 4011.7; 15-MAY-2008 13:48:45; Bright; 34.0; 68; 18Alp Cas ; 2.22; 4500;occ; 68; 0;32457
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 13; 5287.7; 15-MAY-2008 14:10:01; Dark ; 41.5; 52; 16Bet Cet ; 2.04; 4500;occ; 83; 0;32457
 14; 5576.2; 15-MAY-2008 14:14:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32457
 15; 5696.2; 15-MAY-2008 14:16:50; Dark ; 43.5; 84; Alp Phe ; 2.40; 4500;occ; 87; 0;32457
 16; 5940.1; 15-MAY-2008 14:20:54; Dark ; 57.0; 63; Bet Gru ; 2.15; 2800;occ; 114; 0;32457
 17; 6135.2; 15-MAY-2008 14:24:09; Dark ; 39.5; 148; Alp Tuc ; 2.88; 4100;occ; 79; 0;32457
 18; 6362.3; 15-MAY-2008 14:27:56; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32457
 19; 6683.4; 15-MAY-2008 14:33:17; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;32457
 20; 6814.0; 15-MAY-2008 14:35:27; Dark ; 36.5; 134; Bet TrA ; 2.81; 6600;occ; 73; 0;32457
 21; 6916.1; 15-MAY-2008 14:37:09; Dark ; 42.5; 4; Alp1Cen ; -0.01; 5800;occ; 85; 0;32457
 22; 7130.7; 15-MAY-2008 14:40:44; Dark ; 39.5; 78; Alp Lup ; 2.30; 28000;occ; 79; 0;32457
 23; 7221.1; 15-MAY-2008 14:42:15; Dark ; 38.5; 81; Eta Cen ; 2.36; 28000;occ; 77; 0;32457
 24; 7336.6; 15-MAY-2008 14:44:10; Dark ; 42.0; 54; 5The Cen ; 2.06; 4500;occ; 84; 0;32457

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 3; 2129.2; 15-MAY-2008 14:57:59; Bright; 35.0; 138; 47Eps Vir ; 2.83; 4700;occ; 70; 0;32458
 4; 2222.8; 15-MAY-2008 14:59:32; Bright; 34.5; 111; 8Eta Boo ; 2.68; 6000;occ; 69; 0;32458
 5; 2571.3; 15-MAY-2008 15:05:21; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;32458
 6; 2745.6; 15-MAY-2008 15:08:15; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;32458
 7; 2841.8; 15-MAY-2008 15:09:51; Bright; 35.5; 55; 79Zet UMa ; 2.06; 10200;occ; 71; 0;32458
 8; 3183.5; 15-MAY-2008 15:15:33; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;32458
 9; 3446.3; 15-MAY-2008 15:19:56; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;32458
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 11; 4011.7; 15-MAY-2008 15:29:21; Bright; 34.0; 68; 18Alp Cas ; 2.22; 4500;occ; 68; 0;32458
 12; 4763.9; 15-MAY-2008 15:41:53; Dark ; 38.0; 140; 88Gam Peg ; 2.83; 26000;occ; 76; 0;32458
 13; 5288.1; 15-MAY-2008 15:50:37; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;32458
 14; 5576.4; 15-MAY-2008 15:55:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32458
 15; 5696.7; 15-MAY-2008 15:57:26; Dark ; 39.0; 84; Alp Phe ; 2.40; 4500;occ; 78; 0;32458
 16; 5940.9; 15-MAY-2008 16:01:30; Dark ; 57.0; 63; Bet Gru ; 2.15; 2800;occ; 114; 0;32458
 17; 6135.7; 15-MAY-2008 16:04:45; Dark ; 37.5; 148; Alp Tuc ; 2.88; 4100;occ; 75; 0;32458
 18; 6363.1; 15-MAY-2008 16:08:32; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32458
 19; 6683.8; 15-MAY-2008 16:13:53; Dark ; 39.5; 43; Alp TrA ; 1.91; 4250;occ; 79; 0;32458
 20; 6814.5; 15-MAY-2008 16:16:04; Dark ; 38.5; 134; Bet TrA ; 2.81; 6600;occ; 77; 0;32458
 21; 6916.3; 15-MAY-2008 16:17:46; Dark ; 46.0; 4; Alp1Cen ; -0.01; 5800;occ; 92; 0;32458
 22; 7131.0; 15-MAY-2008 16:21:20; Dark ; 39.5; 78; Alp Lup ; 2.30; 28000;occ; 79; 0;32458
 23; 7221.5; 15-MAY-2008 16:22:51; Dark ; 37.5; 81; Eta Cen ; 2.36; 28000;occ; 75; 0;32458
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 3; 1745.5; 15-MAY-2008 16:32:11; Bright; 38.5; 15; 67Alp Vir ; 0.98; 28000;occ; 77; 0;32459
 4; 2129.6; 15-MAY-2008 16:38:35; Bright; 35.5; 138; 47Eps Vir ; 2.83; 4700;occ; 71; 0;32459
 5; 2222.8; 15-MAY-2008 16:40:08; Bright; 34.5; 111; 8Eta Boo ; 2.68; 6000;occ; 69; 0;32459
 6; 2571.1; 15-MAY-2008 16:45:56; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;32459
 7; 2745.5; 15-MAY-2008 16:48:51; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;32459
 8; 2841.8; 15-MAY-2008 16:50:27; Bright; 37.0; 55; 79Zet UMa ; 2.06; 10200;occ; 74; 0;32459

9; 3183.3; 15-MAY-2008 16:56:09; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;32459
 10; 3446.3; 15-MAY-2008 17:00:32; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;32459
 11; 3938.1; 15-MAY-2008 17:08:43; Bright; 53.0; 76; 27Gam Cas ; 2.30; 30000;occ; 106; 0;32459
 12; 4011.7; 15-MAY-2008 17:09:57; Bright; 34.0; 68; 18Alp Cas ; 2.22; 4500;occ; 68; 0;32459
 13; 4764.3; 15-MAY-2008 17:22:30; Dark ; 38.0; 140; 88Gam Peg ; 2.83; 26000;occ; 76; 0;32459
 14; 5288.4; 15-MAY-2008 17:31:14; Dark ; 41.0; 52; 16Bet Cet ; 2.04; 4500;occ; 82; 0;32459
 15; 5576.7; 15-MAY-2008 17:36:02; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32459
 16; 5696.9; 15-MAY-2008 17:38:02; Dark ; 39.0; 84; Alp Phe ; 2.40; 4500;occ; 78; 0;32459
 17; 5941.6; 15-MAY-2008 17:42:07; Dark ; 57.0; 63; Bet Gru ; 2.15; 2800;occ; 114; 0;32459
 18; 6136.2; 15-MAY-2008 17:45:21; Dark ; 45.0; 148; Alp Tuc ; 2.88; 4100;occ; 90; 0;32459
 19; 6363.8; 15-MAY-2008 17:49:09; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32459
 20; 6684.1; 15-MAY-2008 17:54:29; Dark ; 37.5; 43; Alp TrA ; 1.91; 4250;occ; 75; 0;32459
 21; 6814.7; 15-MAY-2008 17:56:40; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;32459
 22; 6916.4; 15-MAY-2008 17:58:22; Dark ; 48.5; 4; Alp1Cen ;-0.01; 5800;occ; 97; 0;32459
 23; 7131.1; 15-MAY-2008 18:01:56; Dark ; 35.5; 78; Alp Lup ; 2.30; 28000;occ; 71; 0;32459

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 4; 1616.3; 15-MAY-2008 18:10:38; Bright; 38.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 77; 0;32460
 5; 1745.7; 15-MAY-2008 18:12:47; Bright; 39.0; 15; 67Alp Vir ; 0.98; 28000;occ; 78; 0;32460
 6; 2129.7; 15-MAY-2008 18:19:11; Bright; 35.5; 138; 47Eps Vir ; 2.83; 4700;occ; 71; 0;32460
 7; 2223.0; 15-MAY-2008 18:20:44; Bright; 35.0; 111; 8Eta Boo ; 2.68; 6000;occ; 70; 0;32460
 8; 2570.9; 15-MAY-2008 18:26:32; Bright; 37.5; 180; 27Gam Boo ; 3.04; 8000;occ; 75; 0;32460
 9; 2745.5; 15-MAY-2008 18:29:27; Bright; 37.5; 39; 85Eta UMa ; 1.85; 24000;occ; 75; 0;32460
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 11; 3183.2; 15-MAY-2008 18:36:44; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;32460
 12; 3446.1; 15-MAY-2008 18:41:07; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32460
 13; 3938.0; 15-MAY-2008 18:49:19; Bright; 53.0; 76; 27Gam Cas ; 2.30; 30000;occ; 106; 0;32460
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 19; 6136.6; 15-MAY-2008 19:25:58; Dark ; 40.0; 148; Alp Tuc ; 2.88; 4100;occ; 80; 0;32460
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 22; 6814.8; 15-MAY-2008 19:37:16; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;32460
 23; 6916.6; 15-MAY-2008 19:38:58; Dark ; 43.0; 4; Alp1Cen ;-0.01; 5800;occ; 86; 0;32460

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 3; -92.0; 16-MAY-2008 00:24:33; Dark ; 57.0; 63; Bet Gru ; 2.15; 2800;occ; 114; 0;32463
 4; 102.0; 16-MAY-2008 00:27:47; Dark ; 39.5; 148; Alp Tuc ; 2.88; 4100;occ; 79; 0;32464
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 6; 649.1; 16-MAY-2008 00:36:54; Dark ; 46.0; 43; Alp TrA ; 1.91; 4250;occ; 92; 0;32464
 7; 779.6; 16-MAY-2008 00:39:05; Dark ; 36.5; 134; Bet TrA ; 2.81; 6600;occ; 73; 0;32464
 8; 881.0; 16-MAY-2008 00:40:46; Dark ; 51.0; 4; Alp1Cen ;-0.01; 5800;occ; 102; 0;32464
 9; 1095.9; 16-MAY-2008 00:44:21; Dark ; 37.5; 78; Alp Lup ; 2.30; 28000;occ; 75; 0;32464
 10; 1186.2; 16-MAY-2008 00:45:51; Dark ; 38.0; 81; Eta Cen ; 2.36; 28000;occ; 76; 0;32464
 11; 1301.4; 16-MAY-2008 00:47:46; Dark ; 42.0; 54; 5The Cen ; 2.06; 4500;occ; 84; 0;32464
 12; 1616.9; 16-MAY-2008 00:53:02; Bright; 38.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 76; 0;32464
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 14; 2130.7; 16-MAY-2008 01:01:36; Bright; 35.5; 138; 47Eps Vir ; 2.83; 4700;occ; 71; 0;32464
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 17; 2745.4; 16-MAY-2008 01:11:50; Bright; 37.5; 39; 85Eta UMa ; 1.85; 24000;occ; 75; 0;32464
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 19; 3182.6; 16-MAY-2008 01:19:08; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32464
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 21; 3937.9; 16-MAY-2008 01:31:43; Bright; 35.0; 76; 27Gam Cas ; 2.30; 30000;occ; 70; 0;32464
 22; 4011.6; 16-MAY-2008 01:32:57; Bright; 52.5; 68; 18Alp Cas ; 2.22; 4500;occ; 105; 0;32464

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 5; 102.5; 16-MAY-2008 02:08:23; Dark ; 38.5; 148; Alp Tuc ; 2.88; 4100;occ; 77; 0;32465

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6; 331.2; 16-MAY-2008 02:12:12; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32465
7; 649.4; 16-MAY-2008 02:17:30; Dark ; 38.0; 43; Alp TrA ; 1.91; 4250;occ; 76; 0;32465
8; 780.0; 16-MAY-2008 02:19:41; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;32465
9; 881.2; 16-MAY-2008 02:21:22; Dark ; 47.5; 4; Alp1Cen ;-0.01; 5800;occ; 95; 0;32465
10; 1096.2; 16-MAY-2008 02:24:57; Dark ; 39.0; 78; Alp Lup ; 2.30; 28000;occ; 78; 0;32465
11; 1186.4; 16-MAY-2008 02:26:27; Dark ; 37.0; 81; Eta Cen ; 2.36; 28000;occ; 74; 0;32465
12; 1301.6; 16-MAY-2008 02:28:22; Dark ; 42.5; 54; 5The Cen ; 2.06; 4500;occ; 85; 0;32465
13; 1617.0; 16-MAY-2008 02:33:38; Bright; 38.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 76; 0;32465
14; 1746.5; 16-MAY-2008 02:35:47; Bright; 37.5; 15; 67Alp Vir ; 0.98; 28000;occ; 75; 0;32465
15; 2131.0; 16-MAY-2008 02:42:12; Bright; 35.5; 138; 47Eps Vir ; 2.83; 4700;occ; 71; 0;32465
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18; 2745.5; 16-MAY-2008 02:52:26; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;32465
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20; 3182.6; 16-MAY-2008 02:59:43; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;32465
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3; 1303.7; 16-MAY-2008 20:55:00; Dark ; 42.0; 54; 5The Cen ; 2.06; 4500;occ; 84; 0;32476

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6; 2224.0; 16-MAY-2008 21:10:20; Bright; 34.5; 111; 8Eta Boo ; 2.68; 6000;occ; 69; 0;32476
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4; -83.4; 16-MAY-2008 22:12:29; Dark ; 55.0; 63; Bet Gru ; 2.15; 2800;occ; 110; 0;32476
5; 108.4; 16-MAY-2008 22:15:41; Dark ; 39.5; 148; Alp Tuc ; 2.88; 4100;occ; 79; 0;32477
6; 339.7; 16-MAY-2008 22:19:32; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32477
7; 653.1; 16-MAY-2008 22:24:45; Dark ; 38.0; 43; Alp TrA ; 1.91; 4250;occ; 76; 0;32477
8; 783.1; 16-MAY-2008 22:26:55; Dark ; 37.0; 134; Bet TrA ; 2.81; 6600;occ; 74; 0;32477
9; 883.3; 16-MAY-2008 22:28:35; Dark ; 50.0; 4; Alp1Cen ; -0.01; 5800;occ; 100; 0;32477
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22; 4011.5; 16-MAY-2008 23:20:44; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;32477
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5; 108.8; 16-MAY-2008 23:56:17; Dark ; 38.5; 148; Alp Tuc ; 2.88; 4100;occ; 77; 0;32478
6; 340.4; 17-MAY-2008 00:00:08; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32478
7; 653.4; 17-MAY-2008 00:05:21; Dark ; 38.0; 43; Alp TrA ; 1.91; 4250;occ; 76; 0;32478
8; 783.5; 17-MAY-2008 00:07:31; Dark ; 37.5; 134; Bet TrA ; 2.81; 6600;occ; 75; 0;32478
9; 883.5; 17-MAY-2008 00:09:11; Dark ; 47.5; 4; Alp1Cen ; -0.01; 5800;occ; 95; 0;32478
10; 1098.9; 17-MAY-2008 00:12:47; Dark ; 37.5; 78; Alp Lup ; 2.30; 28000;occ; 75; 0;32478
11; 1189.2; 17-MAY-2008 00:14:17; Dark ; 37.5; 81; Eta Cen ; 2.36; 28000;occ; 75; 0;32478
12; 1303.9; 17-MAY-2008 00:16:12; Dark ; 43.0; 54; 5The Cen ; 2.06; 4500;occ; 86; 0;32478
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15; 2224.0; 17-MAY-2008 00:31:32; Bright; 34.0; 111; 8Eta Boo ; 2.68; 6000;occ; 68; 0;32478
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19; 3181.0; 17-MAY-2008 00:47:29; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32478
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 3; 2223.5; 16-MAY-2008 07:45:32; Bright; 34.0; 111; 8Eta Boo ; 2.68; 6000;occ; 68; 0;32468
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 3; 2223.6; 16-MAY-2008 11:06:44; Bright; 36.0; 111; 8Eta Boo ; 2.68; 6000;occ; 72; 0;32470
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 5; 2745.5; 16-MAY-2008 11:15:26; Bright; 37.5; 39; 85Eta UMa ; 1.85; 24000;occ; 75; 0;32470
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 6; 2745.6; 16-MAY-2008 12:56:02; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;32471
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 17; 6372.2; 16-MAY-2008 13:56:29; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32471
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 22; 7224.1; 16-MAY-2008 15:51:16; Dark ; 38.0; 81; Eta Cen ; 2.36; 28000;occ; 76; 0;32472
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 5; 2223.8; 16-MAY-2008 16:08:32; Bright; 34.5; 111; 8Eta Boo ; 2.68; 6000;occ; 69; 0;32473
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 7; 2745.6; 16-MAY-2008 16:17:14; Bright; 36.0; 39; 85Eta UMa ; 1.85; 24000;occ; 72; 0;32473


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9; 3181.7; 16-MAY-2008 16:24:30; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;32473
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3; 769.2; 17-MAY-2008 03:28:29; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32480
4; 949.6; 17-MAY-2008 03:31:29; Dark ; 49.5; 178; Iot1Sco ; 3.02; 6550;occ; 99; 0;32480
5; 1040.4; 17-MAY-2008 03:33:00; Dark ; 49.0; 115; 34Ups Sco ; 2.70; 26000;occ; 98; 0;32480
6; 1174.3; 17-MAY-2008 03:35:14; Dark ; 53.0; 75; 26Eps Sco ; 2.29; 4250;occ; 106; 0;32480
7; 1357.1; 17-MAY-2008 03:38:17; Dark ; 55.5; 16; 21Alp Sco ; 1.02; 3000;occ; 111; 0;32480
8; 1511.0; 17-MAY-2008 03:40:51; Bright; 56.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 113; 0;32480
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12; 2234.5; 17-MAY-2008 03:52:54; Bright; 36.0; 3; 16Alp Boo ;-0.05; 4250;occ; 72; 0;32480
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13; 1040.9; 17-MAY-2008 05:13:37; Dark ; 49.5; 115; 34Ups Sco ; 2.70; 26000;occ; 99; 0;32481
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19; 2041.8; 17-MAY-2008 05:30:18; Bright; 43.0; 102; 24Alp Ser ; 2.60; 4250;occ; 86; 0;32481
20; 2234.5; 17-MAY-2008 05:33:30; Bright; 34.5; 3; 16Alp Boo ;-0.05; 4250;occ; 69; 0;32481
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23; 2745.7; 17-MAY-2008 05:42:01; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;32481
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25; 3180.9; 17-MAY-2008 05:49:17; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32481
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6; 115.8; 17-MAY-2008 23:24:47; Dark ; 38.5; 148; Alp Tuc ; 2.88; 4100;occ; 77; 0;32492
7; 350.3; 17-MAY-2008 23:28:41; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32492
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23; 3446.3; 18-MAY-2008 00:20:17; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32492
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6; -227.3; 17-MAY-2008 06:33:05; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32481
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9; 110.9; 17-MAY-2008 06:38:43; Dark ; 41.5; 148; Alp Tuc ; 2.88; 4100;occ; 83; 0;32482
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5; 2567.7; 17-MAY-2008 07:19:40; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;32482
6; 2745.7; 17-MAY-2008 07:22:37; Bright; 34.5; 39; 85Eta UMa ; 1.85; 24000;occ; 69; 0;32482
7; 3081.8; 17-MAY-2008 07:28:14; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;32482
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4; 2567.9; 17-MAY-2008 09:00:16; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;32483
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 3; 2040.7; 17-MAY-2008 12:12:40; Bright; 42.5; 102; 24Alp Ser ; 2.60; 4250;occ; 85; 0;32485
 4; 2234.5; 17-MAY-2008 12:15:54; Bright; 35.0; 3; 16Alp Boo ;-0.05; 4250;occ; 70; 0;32485
 5; 2378.6; 17-MAY-2008 12:18:18; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;32485
 6; 2567.3; 17-MAY-2008 12:21:27; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;32485
 7; 2745.6; 17-MAY-2008 12:24:25; Bright; 36.0; 39; 85Eta UMa ; 1.85; 24000;occ; 72; 0;32485
 8; 3080.4; 17-MAY-2008 12:30:00; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32485
 9; 3180.3; 17-MAY-2008 12:31:40; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;32485
10; 3446.3; 17-MAY-2008 12:36:06; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32485
11; 3938.3; 17-MAY-2008 12:44:18; Bright; 33.5; 76; 27Gam Cas ; 2.30; 30000;occ; 67; 0;32485
12; 4011.5; 17-MAY-2008 12:45:31; Bright; 34.5; 68; 18Alp Cas ; 2.22; 4500;occ; 69; 0;32485
13; 4519.1; 17-MAY-2008 12:53:59; Dark ; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;32485
14; 4772.2; 17-MAY-2008 12:58:12; Dark ; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;32485
15; 5702.1; 17-MAY-2008 13:13:42; Dark ; 44.5; 18; 24Alp PsA ; 1.17; 9700;occ; 89; 0;32485
16; 5810.4; 17-MAY-2008 13:15:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32485
17; 5958.6; 17-MAY-2008 13:17:58; Dark ; 55.0; 63; Bet Gru ; 2.15; 2800;occ; 110; 0;32485
18; 6050.3; 17-MAY-2008 13:19:30; Dark ; 42.0; 31; Alp Gru ; 1.73; 15200;occ; 84; 0;32485
19; 6148.8; 17-MAY-2008 13:21:08; Dark ; 38.0; 148; Alp Tuc ; 2.88; 4100;occ; 76; 0;32485
20; 6382.0; 17-MAY-2008 13:25:01; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32485
21; 6808.0; 17-MAY-2008 13:32:08; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32485
22; 6965.2; 17-MAY-2008 13:34:45; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;32485
23; 7077.1; 17-MAY-2008 13:36:37; Dark ; 35.0; 25; 35Lam Sco ; 1.62; 28000;occ; 70; 0;32485
24; 7212.8; 17-MAY-2008 13:38:52; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;32485
25; 7394.8; 17-MAY-2008 13:41:54; Dark ; 58.0; 16; 21Alp Sco ; 1.02; 3000;occ; 116; 0;32485
26; 7547.8; 17-MAY-2008 13:44:27; Bright; 44.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 88; 0;32485

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 4; 2234.5; 17-MAY-2008 13:56:30; Bright; 37.5; 3; 16Alp Boo ;-0.05; 4250;occ; 75; 0;32486
 5; 2378.5; 17-MAY-2008 13:58:54; Bright; 55.0; 83; ; 2.38; 11000;occ; 110; 0;32486
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 9; 3446.5; 17-MAY-2008 14:16:42; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;32486
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 13; 4772.4; 17-MAY-2008 14:38:48; Dark ; 42.0; 140; 88Gam Peg ; 2.83; 26000;occ; 84; 0;32486
 14; 5297.4; 17-MAY-2008 14:47:33; Dark ; 46.0; 52; 16Bet Cet ; 2.04; 4500;occ; 92; 0;32486
 15; 5703.1; 17-MAY-2008 14:54:18; Dark ; 51.5; 18; 24Alp PsA ; 1.17; 9700;occ; 103; 0;32486
 16; 5810.9; 17-MAY-2008 14:56:06; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32486
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 18; 6051.1; 17-MAY-2008 15:00:06; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;32486
 19; 6149.2; 17-MAY-2008 15:01:45; Dark ; 39.0; 148; Alp Tuc ; 2.88; 4100;occ; 78; 0;32486
 20; 6382.8; 17-MAY-2008 15:05:38; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32486
 21; 6808.5; 17-MAY-2008 15:12:44; Dark ; 39.5; 141; Bet Ara ; 2.84; 4600;occ; 79; 0;32486
 22; 6965.9; 17-MAY-2008 15:15:21; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;32486
 23; 7077.7; 17-MAY-2008 15:17:13; Dark ; 35.0; 25; 35Lam Sco ; 1.62; 28000;occ; 70; 0;32486
 24; 7213.3; 17-MAY-2008 15:19:29; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;32486
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 5; 2040.2; 17-MAY-2008 15:33:52; Bright; 42.5; 102; 24Alp Ser ; 2.60; 4250;occ; 85; 0;32487
 6; 2234.5; 17-MAY-2008 15:37:06; Bright; 35.0; 3; 16Alp Boo ;-0.05; 4250;occ; 70; 0;32487
 7; 2378.4; 17-MAY-2008 15:39:30; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32487
 8; 2567.1; 17-MAY-2008 15:42:38; Bright; 36.5; 180; 27Gam Boo ; 3.04; 8000;occ; 73; 0;32487
 9; 2745.6; 17-MAY-2008 15:45:37; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;32487
 10; 3079.6; 17-MAY-2008 15:51:11; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32487
 11; 3180.2; 17-MAY-2008 15:52:51; Bright; 33.5; 60; 7Bet UMi ; 2.08; 3950;occ; 67; 0;32487
 12; 3446.4; 17-MAY-2008 15:57:18; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32487
 13; 3938.4; 17-MAY-2008 16:05:30; Bright; 40.0; 76; 27Gam Cas ; 2.30; 30000;occ; 80; 0;32487
 14; 4011.8; 17-MAY-2008 16:06:43; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;32487
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 16; 4772.9; 17-MAY-2008 16:19:24; Dark ; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;32487
 17; 5297.7; 17-MAY-2008 16:28:09; Dark ; 42.0; 52; 16Bet Cet ; 2.04; 4500;occ; 84; 0;32487
 18; 5704.0; 17-MAY-2008 16:34:55; Dark ; 46.0; 18; 24Alp PsA ; 1.17; 9700;occ; 92; 0;32487
 19; 5811.5; 17-MAY-2008 16:36:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32487
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 21; 6052.1; 17-MAY-2008 16:40:43; Dark ; 44.5; 31; Alp Gru ; 1.73; 15200;occ; 89; 0;32487
 22; 6149.9; 17-MAY-2008 16:42:21; Dark ; 39.5; 148; Alp Tuc ; 2.88; 4100;occ; 79; 0;32487
 23; 6383.6; 17-MAY-2008 16:46:15; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32487
 24; 6809.2; 17-MAY-2008 16:53:21; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;32487
 25; 6966.6; 17-MAY-2008 16:55:58; Dark ; 51.5; 40; The Sco ; 1.86; 7100;occ; 103; 0;32487
 26; 7078.4; 17-MAY-2008 16:57:50; Dark ; 38.0; 25; 35Lam Sco ; 1.62; 28000;occ; 76; 0;32487
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 5; 1729.1; 17-MAY-2008 17:09:16; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;32488
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 7; 2234.5; 17-MAY-2008 17:17:42; Bright; 35.0; 3; 16Alp Boo ;-0.05; 4250;occ; 70; 0;32488
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 9; 2566.9; 17-MAY-2008 17:23:14; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;32488
 10; 2745.6; 17-MAY-2008 17:26:13; Bright; 34.5; 39; 85Eta UMa ; 1.85; 24000;occ; 69; 0;32488
 11; 3079.1; 17-MAY-2008 17:31:46; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;32488
 12; 3180.0; 17-MAY-2008 17:33:27; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;32488
 13; 3446.5; 17-MAY-2008 17:37:54; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;32488

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 15; 4011.7; 17-MAY-2008 17:47:19; Bright; 34.0; 68; 18Alp Cas ; 2.22; 4500;occ; 68; 0;32488
 16; 4519.7; 17-MAY-2008 17:55:47; Dark ; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;32488
 17; 4773.5; 17-MAY-2008 18:00:01; Dark ; 43.0; 140; 88Gam Peg ; 2.83; 26000;occ; 86; 0;32488
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 19; 5704.8; 17-MAY-2008 18:15:32; Dark ; 49.5; 18; 24Alp PsA ; 1.17; 9700;occ; 99; 0;32488
 20; 5812.0; 17-MAY-2008 18:17:19; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32488
 21; 5960.7; 17-MAY-2008 18:19:48; Dark ; 47.0; 63; Bet Gru ; 2.15; 2800;occ; 94; 0;32488
 22; 6052.8; 17-MAY-2008 18:21:20; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;32488
 23; 6150.4; 17-MAY-2008 18:22:58; Dark ; 38.5; 148; Alp Tuc ; 2.88; 4100;occ; 77; 0;32488
 24; 6384.3; 17-MAY-2008 18:26:52; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32488
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 12; 2745.7; 17-MAY-2008 19:06:49; Bright; 36.5; 39; 85Eta UMa ; 1.85; 24000;occ; 73; 0;32489
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 21; 5705.6; 17-MAY-2008 19:56:09; Dark ; 49.5; 18; 24Alp PsA ; 1.17; 9700;occ; 99; 0;32489
 22; 5812.4; 17-MAY-2008 19:57:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32489
 23; 5961.3; 17-MAY-2008 20:00:25; Dark ; 47.5; 63; Bet Gru ; 2.15; 2800;occ; 95; 0;32489
 24; 6053.5; 17-MAY-2008 20:01:57; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;32489
 25; 6150.8; 17-MAY-2008 20:03:34; Dark ; 41.0; 148; Alp Tuc ; 2.88; 4100;occ; 82; 0;32489
 26; 6385.0; 17-MAY-2008 20:07:28; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32489
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 6; 116.3; 18-MAY-2008 01:05:23; Dark ; 40.0; 148; Alp Tuc ; 2.88; 4100;occ; 80; 0;32493
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 9; 933.6; 18-MAY-2008 01:19:01; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;32493
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 12; 1360.9; 18-MAY-2008 01:26:08; Dark ; 64.0; 16; 21Alp Sco ; 1.02; 3000;occ; 128; 0;32493
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 15; 1729.5; 18-MAY-2008 01:32:16; Bright; 38.5; 104; 27Bet Lib ; 2.61; 13100;occ; 77; 0;32493
 16; 2038.7; 18-MAY-2008 01:37:26; Bright; 42.5; 102; 24Alp Ser ; 2.60; 4250;occ; 85; 0;32493
 17; 2234.4; 18-MAY-2008 01:40:41; Bright; 35.0; 3; 16Alp Boo ; -0.05; 4250;occ; 70; 0;32493
 18; 2377.4; 18-MAY-2008 01:43:04; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;32493
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 22; 3179.4; 18-MAY-2008 01:56:26; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;32493
 23; 3446.3; 18-MAY-2008 02:00:53; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;32493

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11; 784.3; 19-MAY-2008 07:27:18; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;32511

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 3; 2235.0; 19-MAY-2008 07:51:29; Bright; 36.0; 3; 16Alp Boo ; -0.05; 4250;occ; 72; 0;32511
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13; 4780.8; 19-MAY-2008 10:14:30; Dark ; 43.5; 140; 88Gam Peg ; 2.83; 26000;occ; 87; 0;32512
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 9; 3938.0; 19-MAY-2008 11:41:04; Bright; 43.0; 76; 27Gam Cas ; 2.30; 30000;occ; 86; 0;32513
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12; 4781.1; 19-MAY-2008 11:55:07; Dark ; 43.0; 140; 88Gam Peg ; 2.83; 26000;occ; 86; 0;32513

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 19; 5979.2; 19-MAY-2008 15:36:17; Dark ; 51.5; 63; Bet Gru ; 2.15; 2800;occ; 103; 0;32515
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 21; 6403.3; 19-MAY-2008 15:43:21; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32515
 22; 6822.7; 19-MAY-2008 15:50:20; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;32515
 23; 6983.6; 19-MAY-2008 15:53:01; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;32515
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21; 6404.0; 19-MAY-2008 17:23:57; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32516
22; 6823.1; 19-MAY-2008 17:30:56; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;32516
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13; 3066.4; 19-MAY-2008 18:08:56; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32517
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11; 2563.5; 19-MAY-2008 19:41:09; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;32518
12; 2746.5; 19-MAY-2008 19:44:12; Bright; 34.0; 39; 85Eta UMa ; 1.85; 24000;occ; 68; 0;32518
13; 3065.8; 19-MAY-2008 19:49:31; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;32518
14; 3176.9; 19-MAY-2008 19:51:22; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32518
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16; 3938.1; 19-MAY-2008 20:04:03; Bright; 42.0; 76; 27Gam Cas ; 2.30; 30000;occ; 84; 0;32518
17; 4011.0; 19-MAY-2008 20:05:16; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;32518

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 19; 4782.9; 19-MAY-2008 20:18:08; Dark ; 43.0; 140; 88Gam Peg ; 2.83; 26000;occ; 86; 0;32518
 20; 5308.8; 19-MAY-2008 20:26:54; Dark ; 43.0; 52; 16Bet Cet ; 2.04; 4500;occ; 86; 0;32518
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 22; 5826.5; 19-MAY-2008 20:35:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32518
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 26; 6823.9; 19-MAY-2008 20:52:09; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;32518
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 6; 371.4; 20-MAY-2008 01:47:00; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32522
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 8; 950.9; 20-MAY-2008 01:56:40; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;32522
 9; 1062.4; 20-MAY-2008 01:58:31; Dark ; 51.0; 25; 35Lam Sco ; 1.62; 28000;occ; 102; 0;32522
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 12; 1517.9; 20-MAY-2008 02:06:07; Bright; 43.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 86; 0;32522
 13; 1624.6; 20-MAY-2008 02:07:54; Bright; 36.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 73; 0;32522
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 17; 2373.9; 20-MAY-2008 02:20:23; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;32522
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 19; 2746.6; 20-MAY-2008 02:26:36; Bright; 49.5; 39; 85Eta UMa ; 1.85; 24000;occ; 99; 0;32522
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 22; 3446.5; 20-MAY-2008 02:38:15; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;32522
 23; 3938.1; 20-MAY-2008 02:46:27; Bright; 23.0; 76; 27Gam Cas ; 2.30; 30000;occ; 46; 0;32522

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 9; 44.0; 20-MAY-2008 03:22:09; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;32523
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 11; 790.0; 20-MAY-2008 03:34:35; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;32523
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 13; 1063.2; 20-MAY-2008 03:39:08; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;32523
 14; 1192.6; 20-MAY-2008 03:41:17; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;32523
 15; 1369.5; 20-MAY-2008 03:44:14; Dark ; 62.0; 16; 21Alp Sco ; 1.02; 3000;occ; 124; 0;32523
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 19; 2032.5; 20-MAY-2008 03:55:17; Bright; 41.0; 102; 24Alp Ser ; 2.60; 4250;occ; 82; 0;32523
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 21; 2373.9; 20-MAY-2008 04:00:59; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32523
 22; 2563.1; 20-MAY-2008 04:04:08; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;32523
 23; 2746.8; 20-MAY-2008 04:07:12; Bright; 34.5; 39; 85Eta UMa ; 1.85; 24000;occ; 69; 0;32523
 24; 3063.9; 20-MAY-2008 04:12:29; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;32523
 25; 3176.5; 20-MAY-2008 04:14:21; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;32523
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22; 6991.1; 20-MAY-2008 13:40:56; Dark ; 51.0; 40; The Sco ; 1.86; 7100;occ; 102; 0;32528
23; 7102.4; 20-MAY-2008 13:42:47; Dark ; 54.0; 25; 35Lam Sco ; 1.62; 28000;occ; 108; 0;32528
24; 7230.9; 20-MAY-2008 13:44:55; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;32528
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6; 2373.3; 20-MAY-2008 14:04:34; Bright; 35.0; 83; ; 2.38; 11000;occ; 70; 0;32529
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13; 4010.9; 20-MAY-2008 14:31:51; Bright; 42.0; 68; 18Alp Cas ; 2.22; 4500;occ; 84; 0;32529

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 21; 6413.2; 20-MAY-2008 15:11:54; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32529
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 6; 2235.7; 20-MAY-2008 15:42:52; Bright; 34.5; 3; 16Alp Boo ; -0.05; 4250;occ; 69; 0;32530
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 9; 2747.3; 20-MAY-2008 15:51:24; Bright; 34.0; 39; 85Eta UMa ; 1.85; 24000;occ; 68; 0;32530
 10; 3061.0; 20-MAY-2008 15:56:37; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;32530
 11; 3175.8; 20-MAY-2008 15:58:32; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;32530
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 5; 1731.9; 20-MAY-2008 17:15:04; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32531
 6; 2031.0; 20-MAY-2008 17:20:03; Bright; 40.5; 102; 24Alp Ser ; 2.60; 4250;occ; 81; 0;32531
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 8; 2373.2; 20-MAY-2008 17:25:46; Bright; 39.0; 83; ; 2.38; 11000;occ; 78; 0;32531
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 23; 6414.7; 20-MAY-2008 18:33:07; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32531
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5; 1626.2; 20-MAY-2008 18:53:54; Bright; 37.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 74; 0;32532
6; 1731.9; 20-MAY-2008 18:55:40; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;32532
7; 2030.8; 20-MAY-2008 19:00:39; Bright; 41.0; 102; 24Alp Ser ; 2.60; 4250;occ; 82; 0;32532
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7; 796.0; 21-MAY-2008 01:22:28; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;32536
8; 959.1; 21-MAY-2008 01:25:11; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;32536
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6; -287.1; 21-MAY-2008 04:25:37; Dark ; 50.0; 18; 24Alp PsA ; 1.17; 9700;occ; 100; 0;32537
7; -199.8; 21-MAY-2008 04:27:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32537
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9; 384.2; 21-MAY-2008 07:58:00; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32540
10; 797.9; 21-MAY-2008 08:04:54; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32540
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3; 2236.3; 21-MAY-2008 10:09:28; Bright; 38.0; 3; 16Alp Boo ; -0.05; 4250;occ; 76; 0;32541
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6; 3056.3; 21-MAY-2008 10:23:08; Bright; 41.0; 119; 14Eta Dra ; 2.73; 4700;occ; 82; 0;32541
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13; 5317.9; 21-MAY-2008 11:00:50; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;32541
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16; 6095.4; 21-MAY-2008 11:13:47; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;32541
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 19; 3053.0; 21-MAY-2008 23:47:52; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32549
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 22; 3937.6; 22-MAY-2008 00:02:37; Bright; 35.5; 76; 27Gam Cas ; 2.30; 30000;occ; 71; 0;32549
 23; 4009.9; 22-MAY-2008 00:03:49; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;32549
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 25; 4793.4; 22-MAY-2008 00:16:52; Dark ; 43.0; 140; 88Gam Peg ; 2.83; 26000;occ; 86; 0;32549
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 9; 3446.7; 21-MAY-2008 13:50:50; Bright; 33.5; 49; 1Alp UMi ; 1.99; 6300;occ; 67; 0;32543
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6; 2372.0; 21-MAY-2008 15:13:31; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32544
7; 2561.7; 21-MAY-2008 15:16:41; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;32544
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9; 3174.4; 21-MAY-2008 15:26:54; Bright; 34.5; 60; 7Bet UMi ; 2.08; 3950;occ; 69; 0;32544
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6; 1733.1; 21-MAY-2008 18:24:04; Bright; 36.5; 104; 27Bet Lib ; 2.61; 13100;occ; 73; 0;32546
7; 1842.8; 21-MAY-2008 18:25:54; Bright; 27.0; 120; 1Del Oph ; 2.73; 3200;occ; 54; 0;32546
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9; 2236.6; 21-MAY-2008 18:32:28; Bright; 35.0; 3; 16Alp Boo ;-0.05; 4250;occ; 70; 0;32546
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9; 803.4; 22-MAY-2008 04:12:10; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;32552
10; 968.2; 22-MAY-2008 04:14:55; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;32552
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13; 1377.4; 22-MAY-2008 04:21:44; Dark ; 55.5; 16; 21Alp Sco ; 1.02; 3000;occ; 111; 0;32552
14; 1522.7; 22-MAY-2008 04:24:09; Bright; 41.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 83; 0;32552
15; 1629.0; 22-MAY-2008 04:25:56; Bright; 35.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 71; 0;32552
16; 1733.5; 22-MAY-2008 04:27:40; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;32552

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19; 2237.1; 22-MAY-2008 04:36:04; Bright; 35.0; 3; 16Alp Boo ; -0.05; 4250;occ; 70; 0;32552
20; 2371.3; 22-MAY-2008 04:38:18; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;32552
21; 2561.1; 22-MAY-2008 04:41:28; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;32552
22; 3052.0; 22-MAY-2008 04:49:39; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;32552
23; 3173.7; 22-MAY-2008 04:51:40; Bright; 35.0; 60; 7Bet UMi ; 2.08; 3950;occ; 70; 0;32552
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14; 1204.4; 22-MAY-2008 05:59:27; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;32553
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21; 2237.2; 22-MAY-2008 06:16:40; Bright; 35.0; 3; 16Alp Boo ; -0.05; 4250;occ; 70; 0;32553
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23; 2561.1; 22-MAY-2008 06:22:04; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;32553
24; 3051.5; 22-MAY-2008 06:30:14; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32553
25; 3173.6; 22-MAY-2008 06:32:16; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32553
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 8; 57.0; 22-MAY-2008 07:20:56; Dark ; 50.0; 172; Gam Gru ; 3.00; 13100;occ; 100; 0;32554
 9; 147.6; 22-MAY-2008 07:22:26; Dark ; 39.5; 148; Alp Tuc ; 2.88; 4100;occ; 79; 0;32554
10; 394.3; 22-MAY-2008 07:26:33; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;32554
11; 804.3; 22-MAY-2008 07:33:23; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;32554
12; 969.3; 22-MAY-2008 07:36:08; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;32554
13; 1080.3; 22-MAY-2008 07:37:59; Dark ; 50.5; 25; 35Lam Sco ; 1.62; 28000;occ; 101; 0;32554
14; 1204.9; 22-MAY-2008 07:40:04; Dark ; 45.0; 75; 26Eps Sco ; 2.29; 4250;occ; 90; 0;32554
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16; 1523.1; 22-MAY-2008 07:45:22; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;32554
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 3; 2027.1; 22-MAY-2008 07:53:46; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;32554
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 5; 2371.2; 22-MAY-2008 07:59:30; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32554
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 7; 3051.1; 22-MAY-2008 08:10:50; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32554
 8; 3173.6; 22-MAY-2008 08:12:52; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32554
 9; 3446.8; 22-MAY-2008 08:17:26; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;32554
10; 3937.5; 22-MAY-2008 08:25:36; Bright; 49.0; 76; 27Gam Cas ; 2.30; 30000;occ; 98; 0;32554
11; 4009.9; 22-MAY-2008 08:26:49; Bright; 42.0; 68; 18Alp Cas ; 2.22; 4500;occ; 84; 0;32554
12; 4530.9; 22-MAY-2008 08:35:30; Dark ; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;32554
13; 4795.6; 22-MAY-2008 08:39:54; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;32554
14; 5323.4; 22-MAY-2008 08:48:42; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;32554

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 16; 6006.9; 22-MAY-2008 09:00:06; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;32554
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 18; 6184.0; 22-MAY-2008 09:03:03; Dark ; 38.5; 148; Alp Tuc ; 2.88; 4100;occ; 77; 0;32554
 19; 6430.9; 22-MAY-2008 09:07:10; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32554
 20; 6840.7; 22-MAY-2008 09:13:59; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;32554
 21; 7005.7; 22-MAY-2008 09:16:44; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;32554
 22; 7116.9; 22-MAY-2008 09:18:36; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;32554
 23; 7241.2; 22-MAY-2008 09:20:40; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;32554
 24; 7414.1; 22-MAY-2008 09:23:33; Dark ; 54.0; 16; 21Alp Sco ; 1.02; 3000;occ; 108; 0;32554
 25; 7559.2; 22-MAY-2008 09:25:58; Bright; 39.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 78; 0;32554
 26; 7665.3; 22-MAY-2008 09:27:44; Bright; 36.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 73; 0;32554
 27; 7769.5; 22-MAY-2008 09:29:28; Bright; 27.5; 104; 27Bet Lib ; 2.61; 13100;occ; 55; 0;32554

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 5; 2371.2; 22-MAY-2008 09:40:06; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32555
 6; 2561.0; 22-MAY-2008 09:43:16; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;32555
 7; 3050.8; 22-MAY-2008 09:51:25; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32555
 8; 3173.5; 22-MAY-2008 09:53:28; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32555
 9; 3446.7; 22-MAY-2008 09:58:01; Bright; 34.0; 49; 1Alp UMi ; 1.99; 6300;occ; 68; 0;32555
 10; 3937.4; 22-MAY-2008 10:06:12; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;32555
 11; 4009.8; 22-MAY-2008 10:07:24; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;32555
 12; 4531.1; 22-MAY-2008 10:16:06; Dark ; 45.5; 58; 21Alp And ; 2.07; 11000;occ; 91; 0;32555
 13; 4795.8; 22-MAY-2008 10:20:30; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;32555
 14; 5323.8; 22-MAY-2008 10:29:19; Dark ; 44.5; 52; 16Bet Cet ; 2.04; 4500;occ; 89; 0;32555
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 18; 6184.5; 22-MAY-2008 10:43:39; Dark ; 39.0; 148; Alp Tuc ; 2.88; 4100;occ; 78; 0;32555
 19; 6431.6; 22-MAY-2008 10:47:46; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32555
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 21; 7006.4; 22-MAY-2008 10:57:21; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;32555
 22; 7117.4; 22-MAY-2008 10:59:12; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;32555
 23; 7241.5; 22-MAY-2008 11:01:16; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;32555
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 25; 7559.3; 22-MAY-2008 11:06:34; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;32555
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 3; 2026.6; 22-MAY-2008 11:14:57; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32556
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 5; 2371.0; 22-MAY-2008 11:20:42; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32556
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 13; 4796.1; 22-MAY-2008 12:01:07; Dark ; 43.0; 140; 88Gam Peg ; 2.83; 26000;occ; 86; 0;32556
 14; 5324.2; 22-MAY-2008 12:09:55; Dark ; 45.0; 52; 16Bet Cet ; 2.04; 4500;occ; 90; 0;32556
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 16; 6008.4; 22-MAY-2008 12:21:19; Dark ; 54.0; 63; Bet Gru ; 2.15; 2800;occ; 108; 0;32556
 17; 6096.4; 22-MAY-2008 12:22:47; Dark ; 42.0; 172; Gam Gru ; 3.00; 13100;occ; 84; 0;32556
 18; 6185.1; 22-MAY-2008 12:24:16; Dark ; 40.5; 148; Alp Tuc ; 2.88; 4100;occ; 81; 0;32556
 19; 6432.2; 22-MAY-2008 12:28:23; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32556
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 5; 1524.2; 22-MAY-2008 21:10:10; Bright; 41.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 83; 0;32562
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 10; 2370.6; 22-MAY-2008 21:24:17; Bright; 38.0; 83; ; 2.38; 11000;occ; 76; 0;32562
 11; 2560.6; 22-MAY-2008 21:27:27; Bright; 53.0; 180; 27Gam Boo ; 3.04; 8000;occ; 106; 0;32562
 12; 3048.0; 22-MAY-2008 21:35:34; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32562
 13; 3172.8; 22-MAY-2008 21:37:39; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32562
 14; 3446.6; 22-MAY-2008 21:42:13; Bright; 52.0; 49; 1Alp UMi ; 1.99; 6300;occ; 104; 0;32562
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 16; 4009.3; 22-MAY-2008 21:51:36; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;32562
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 3; -23.2; 22-MAY-2008 22:24:59; Dark ; 57.5; 63; Bet Gru ; 2.15; 2800;occ; 115; 0;32562
 4; 67.5; 22-MAY-2008 22:26:30; Dark ; 31.0; 172; Gam Gru ; 3.00; 13100;occ; 62; 0;32563
 5; 152.2; 22-MAY-2008 22:27:54; Dark ; 39.5; 148; Alp Tuc ; 2.88; 4100;occ; 79; 0;32563
 6; 400.5; 22-MAY-2008 22:32:03; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32563
 7; 808.2; 22-MAY-2008 22:38:50; Dark ; 39.0; 141; Bet Ara ; 2.84; 4600;occ; 78; 0;32563
 8; 974.3; 22-MAY-2008 22:41:36; Dark ; 45.0; 40; The Sco ; 1.86; 7100;occ; 90; 0;32563
 9; 1085.1; 22-MAY-2008 22:43:27; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;32563
 10; 1208.1; 22-MAY-2008 22:45:30; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;32563
 11; 1380.1; 22-MAY-2008 22:48:22; Dark ; 57.5; 16; 21Alp Sco ; 1.02; 3000;occ; 115; 0;32563
 12; 1524.3; 22-MAY-2008 22:50:46; Bright; 41.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 83; 0;32563
 13; 1630.5; 22-MAY-2008 22:52:33; Bright; 36.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 73; 0;32563
 14; 1734.2; 22-MAY-2008 22:54:16; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;32563
 15; 1841.1; 22-MAY-2008 22:56:03; Bright; 44.0; 120; 1Del Oph ; 2.73; 3200;occ; 88; 0;32563
 16; 2025.6; 22-MAY-2008 22:59:08; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32563
 17; 2370.6; 22-MAY-2008 23:04:53; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;32563
 18; 2560.5; 22-MAY-2008 23:08:03; Bright; 34.0; 180; 27Gam Boo ; 3.04; 8000;occ; 68; 0;32563
 19; 3047.5; 22-MAY-2008 23:16:10; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32563
 20; 3172.8; 22-MAY-2008 23:18:15; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;32563
 21; 3446.7; 22-MAY-2008 23:22:49; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;32563
 22; 3937.1; 22-MAY-2008 23:30:59; Bright; 35.0; 76; 27Gam Cas ; 2.30; 30000;occ; 70; 0;32563
 23; 4009.3; 22-MAY-2008 23:32:11; Bright; 36.5; 68; 18Alp Cas ; 2.22; 4500;occ; 73; 0;32563
 24; 4532.5; 22-MAY-2008 23:40:55; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;32563
 25; 4798.6; 22-MAY-2008 23:45:21; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;32563
 26; 5327.2; 22-MAY-2008 23:54:09; Dark ; 9.5; 52; 16Bet Cet ; 2.04; 4500;occ; 19; 0;32563

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 3; -22.4; 23-MAY-2008 00:05:36; Dark ; 47.0; 63; Bet Gru ; 2.15; 2800;occ; 94; 0;32563
 4; 68.7; 23-MAY-2008 00:07:07; Dark ; 31.0; 172; Gam Gru ; 3.00; 13100;occ; 62; 0;32564
 5; 152.6; 23-MAY-2008 00:08:31; Dark ; 41.5; 148; Alp Tuc ; 2.88; 4100;occ; 83; 0;32564
 6; 401.1; 23-MAY-2008 00:12:39; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32564
 7; 808.6; 23-MAY-2008 00:19:27; Dark ; 48.5; 141; Bet Ara ; 2.84; 4600;occ; 97; 0;32564
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 10; 1208.6; 23-MAY-2008 00:26:07; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;32564
 11; 1380.4; 23-MAY-2008 00:28:58; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;32564
 12; 1524.5; 23-MAY-2008 00:31:22; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;32564
 13; 1630.6; 23-MAY-2008 00:33:09; Bright; 35.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 70; 0;32564
 14; 1734.4; 23-MAY-2008 00:34:52; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32564
 15; 1840.8; 23-MAY-2008 00:36:39; Bright; 44.0; 120; 1Del Oph ; 2.73; 3200;occ; 88; 0;32564
 16; 2025.4; 23-MAY-2008 00:39:43; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32564
 17; 2370.5; 23-MAY-2008 00:45:28; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;32564
 18; 2560.4; 23-MAY-2008 00:48:38; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;32564
 19; 3047.1; 23-MAY-2008 00:56:45; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;32564
 20; 3172.7; 23-MAY-2008 00:58:51; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32564
 21; 3446.7; 23-MAY-2008 01:03:25; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;32564
 22; 3937.1; 23-MAY-2008 01:11:35; Bright; 42.5; 76; 27Gam Cas ; 2.30; 30000;occ; 85; 0;32564

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23; 4009.2; 23-MAY-2008 01:12:47; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;32564
24; 4380.7; 23-MAY-2008 01:18:59; Bright; 37.0; 53; 43Bet And ; 2.05; 3300;occ; 74; 0;32564
25; 4532.6; 23-MAY-2008 01:21:31; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;32564
26; 4798.9; 23-MAY-2008 01:25:57; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;32564
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 2; 1733.7; 22-MAY-2008 12:50:40; Bright; 38.0; 104; 27Bet Lib ; 2.61; 13100;occ; 76; 0;32557
 3; 1841.7; 22-MAY-2008 12:52:28; Bright; 44.0; 120; 1Del Oph ; 2.73; 3200;occ; 88; 0;32557
 4; 2026.5; 22-MAY-2008 12:55:33; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;32557
 5; 2237.5; 22-MAY-2008 12:59:04; Bright; 34.5; 3; 16Alp Boo ; -0.05; 4250;occ; 69; 0;32557
 6; 2371.0; 22-MAY-2008 13:01:17; Bright; 34.5; 83; ; 2.38; 11000;occ; 69; 0;32557
 7; 2560.9; 22-MAY-2008 13:04:27; Bright; 33.5; 180; 27Gam Boo ; 3.04; 8000;occ; 67; 0;32557
 8; 3050.0; 22-MAY-2008 13:12:36; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32557
 9; 3173.3; 22-MAY-2008 13:14:40; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32557
10; 3446.8; 22-MAY-2008 13:19:13; Bright; 34.5; 49; 1Alp UMi ; 1.99; 6300;occ; 69; 0;32557
11; 3937.5; 22-MAY-2008 13:27:24; Bright; 35.0; 76; 27Gam Cas ; 2.30; 30000;occ; 70; 0;32557
12; 4009.7; 22-MAY-2008 13:28:36; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;32557
13; 4531.4; 22-MAY-2008 13:37:18; Dark ; 43.0; 58; 21Alp And ; 2.07; 11000;occ; 86; 0;32557
14; 4796.5; 22-MAY-2008 13:41:43; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;32557
15; 5324.7; 22-MAY-2008 13:50:31; Dark ; 45.0; 52; 16Bet Cet ; 2.04; 4500;occ; 90; 0;32557
16; 5846.7; 22-MAY-2008 13:59:13; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32557
17; 6009.2; 22-MAY-2008 14:01:56; Dark ; 56.0; 63; Bet Gru ; 2.15; 2800;occ; 112; 0;32557
18; 6097.6; 22-MAY-2008 14:03:24; Dark ; 42.0; 172; Gam Gru ; 3.00; 13100;occ; 84; 0;32557
19; 6185.6; 22-MAY-2008 14:04:52; Dark ; 40.0; 148; Alp Tuc ; 2.88; 4100;occ; 80; 0;32557
20; 6433.0; 22-MAY-2008 14:08:59; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;32557
21; 6842.0; 22-MAY-2008 14:15:48; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;32557
22; 7007.5; 22-MAY-2008 14:18:34; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;32557
23; 7118.3; 22-MAY-2008 14:20:25; Dark ; 47.0; 25; 35Lam Sco ; 1.62; 28000;occ; 94; 0;32557
24; 7242.3; 22-MAY-2008 14:22:29; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;32557
25; 7414.9; 22-MAY-2008 14:25:21; Dark ; 57.0; 16; 21Alp Sco ; 1.02; 3000;occ; 114; 0;32557
26; 7559.7; 22-MAY-2008 14:27:46; Bright; 4.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 9; 0;32557
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 2; 1629.8; 22-MAY-2008 14:29:32; Bright; 36.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 72; 0;32558
 3; 1734.0; 22-MAY-2008 14:31:16; Bright; 36.0; 104; 27Bet Lib ; 2.61; 13100;occ; 72; 0;32558
 4; 1841.7; 22-MAY-2008 14:33:04; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;32558
 5; 2026.5; 22-MAY-2008 14:36:09; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32558
 6; 2370.9; 22-MAY-2008 14:41:53; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32558
 7; 2560.8; 22-MAY-2008 14:45:03; Bright; 35.5; 180; 27Gam Boo ; 3.04; 8000;occ; 71; 0;32558
 8; 3049.6; 22-MAY-2008 14:53:12; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32558
 9; 3173.3; 22-MAY-2008 14:55:16; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32558
10; 3446.8; 22-MAY-2008 14:59:49; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;32558
11; 3937.5; 22-MAY-2008 15:08:00; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32558
12; 4009.7; 22-MAY-2008 15:09:12; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;32558
13; 4531.9; 22-MAY-2008 15:17:54; Dark ; 44.0; 58; 21Alp And ; 2.07; 11000;occ; 88; 0;32558
14; 4797.1; 22-MAY-2008 15:22:19; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;32558
15; 5325.3; 22-MAY-2008 15:31:08; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;32558
16; 5847.3; 22-MAY-2008 15:39:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32558
17; 6009.9; 22-MAY-2008 15:42:32; Dark ; 51.0; 63; Bet Gru ; 2.15; 2800;occ; 102; 0;32558
18; 6098.8; 22-MAY-2008 15:44:01; Dark ; 39.0; 172; Gam Gru ; 3.00; 13100;occ; 78; 0;32558
19; 6186.2; 22-MAY-2008 15:45:29; Dark ; 39.5; 148; Alp Tuc ; 2.88; 4100;occ; 79; 0;32558
20; 6433.7; 22-MAY-2008 15:49:36; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32558
21; 6842.5; 22-MAY-2008 15:56:25; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;32558
22; 7008.1; 22-MAY-2008 15:59:10; Dark ; 44.0; 40; The Sco ; 1.86; 7100;occ; 88; 0;32558
23; 7119.0; 22-MAY-2008 16:01:01; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;32558
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 3; 1630.0; 22-MAY-2008 16:10:08; Bright; 36.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 73; 0;32559
 4; 1734.0; 22-MAY-2008 16:11:52; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32559
 5; 1841.4; 22-MAY-2008 16:13:40; Bright; 45.5; 120; 1Del Oph ; 2.73; 3200;occ; 91; 0;32559
 6; 2026.3; 22-MAY-2008 16:16:45; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32559
 7; 2370.8; 22-MAY-2008 16:22:29; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;32559
 8; 2560.8; 22-MAY-2008 16:25:39; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;32559
 9; 3049.2; 22-MAY-2008 16:33:47; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32559
10; 3173.2; 22-MAY-2008 16:35:51; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32559
11; 3446.8; 22-MAY-2008 16:40:25; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32559

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 13; 4009.6; 22-MAY-2008 16:49:48; Bright; 55.0; 68; 18Alp Cas ; 2.22; 4500;occ; 110; 0;32559
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 15; 4797.3; 22-MAY-2008 17:02:56; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;32559
 16; 5325.6; 22-MAY-2008 17:11:44; Dark ; 46.5; 52; 16Bet Cet ; 2.04; 4500;occ; 93; 0;32559
 17; 5847.8; 22-MAY-2008 17:20:26; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32559
 18; 6010.7; 22-MAY-2008 17:23:09; Dark ; 59.0; 63; Bet Gru ; 2.15; 2800;occ; 118; 0;32559
 19; 6099.9; 22-MAY-2008 17:24:38; Dark ; 39.0; 172; Gam Gru ; 3.00; 13100;occ; 78; 0;32559
 20; 6186.7; 22-MAY-2008 17:26:05; Dark ; 40.0; 148; Alp Tuc ; 2.88; 4100;occ; 80; 0;32559
 21; 6434.5; 22-MAY-2008 17:30:13; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32559
 22; 6843.0; 22-MAY-2008 17:37:01; Dark ; 39.5; 141; Bet Ara ; 2.84; 4600;occ; 79; 0;32559
 23; 7008.7; 22-MAY-2008 17:39:47; Dark ; 50.0; 40; The Sco ; 1.86; 7100;occ; 100; 0;32559

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 3; 1207.1; 22-MAY-2008 17:43:41; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;32560
 4; 1379.5; 22-MAY-2008 17:46:34; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;32560
 5; 1524.0; 22-MAY-2008 17:48:58; Bright; 43.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 87; 0;32560
 6; 1629.9; 22-MAY-2008 17:50:44; Bright; 37.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 74; 0;32560
 7; 1734.1; 22-MAY-2008 17:52:28; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32560
 8; 1841.3; 22-MAY-2008 17:54:16; Bright; 45.0; 120; 1Del Oph ; 2.73; 3200;occ; 90; 0;32560
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 10; 2370.8; 22-MAY-2008 18:03:05; Bright; 34.5; 83; ; 2.38; 11000;occ; 69; 0;32560
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 12; 3048.8; 22-MAY-2008 18:14:23; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;32560
 13; 3173.1; 22-MAY-2008 18:16:27; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32560
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 18; 4797.6; 22-MAY-2008 18:43:32; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;32560
 19; 5326.0; 22-MAY-2008 18:52:20; Dark ; 46.0; 52; 16Bet Cet ; 2.04; 4500;occ; 92; 0;32560
 20; 5848.4; 22-MAY-2008 19:01:03; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32560
 21; 6011.4; 22-MAY-2008 19:03:46; Dark ; 50.0; 63; Bet Gru ; 2.15; 2800;occ; 100; 0;32560
 22; 6101.1; 22-MAY-2008 19:05:15; Dark ; 35.0; 172; Gam Gru ; 3.00; 13100;occ; 70; 0;32560
 23; 6187.2; 22-MAY-2008 19:06:41; Dark ; 40.5; 148; Alp Tuc ; 2.88; 4100;occ; 81; 0;32560
 24; 6435.1; 22-MAY-2008 19:10:49; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32560
 25; 6843.4; 22-MAY-2008 19:17:38; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;32560
 26; 7009.1; 22-MAY-2008 19:20:23; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;32560

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 4; 1379.7; 22-MAY-2008 19:27:10; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;32561
 5; 1524.1; 22-MAY-2008 19:29:34; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;32561
 6; 1630.1; 22-MAY-2008 19:31:20; Bright; 36.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 73; 0;32561
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 9; 2026.0; 22-MAY-2008 19:37:56; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32561
 10; 2370.8; 22-MAY-2008 19:43:41; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;32561
 11; 2560.5; 22-MAY-2008 19:46:51; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;32561
 12; 3048.3; 22-MAY-2008 19:54:59; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32561
 13; 3173.0; 22-MAY-2008 19:57:03; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;32561
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 18; 4797.8; 22-MAY-2008 20:24:08; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;32561
 19; 5326.4; 22-MAY-2008 20:32:57; Dark ; 44.0; 52; 16Bet Cet ; 2.04; 4500;occ; 88; 0;32561
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 22; 6102.2; 22-MAY-2008 20:45:52; Dark ; 35.0; 172; Gam Gru ; 3.00; 13100;occ; 70; 0;32561
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5; 153.3; 23-MAY-2008 01:49:07; Dark ; 40.5; 148; Alp Tuc ; 2.88; 4100;occ; 81; 0;32565
6; 401.9; 23-MAY-2008 01:53:16; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32565
7; 809.1; 23-MAY-2008 02:00:03; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;32565
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13; 1630.8; 23-MAY-2008 02:13:45; Bright; 36.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 73; 0;32565
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17; 2370.5; 23-MAY-2008 02:26:04; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;32565
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19; 3046.8; 23-MAY-2008 02:37:21; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32565
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11; 402.7; 23-MAY-2008 03:33:52; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32566
12; 809.6; 23-MAY-2008 03:40:39; Dark ; 45.5; 141; Bet Ara ; 2.84; 4600;occ; 91; 0;32566
13; 976.0; 23-MAY-2008 03:43:26; Dark ; 46.0; 40; The Sco ; 1.86; 7100;occ; 92; 0;32566
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22; 2370.5; 23-MAY-2008 04:06:40; Bright; 35.0; 83; ; 2.38; 11000;occ; 70; 0;32566
23; 2560.4; 23-MAY-2008 04:09:50; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;32566
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11; 810.1; 23-MAY-2008 05:21:16; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;32567
12; 976.5; 23-MAY-2008 05:24:02; Dark ; 46.5; 40; The Sco ; 1.86; 7100;occ; 93; 0;32567
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14; 1209.7; 23-MAY-2008 05:27:56; Dark ; 46.5; 75; 26Eps Sco ; 2.29; 4250;occ; 93; 0;32567
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18; 1734.7; 23-MAY-2008 05:36:40; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;32567
19; 1840.7; 23-MAY-2008 05:38:26; Bright; 44.0; 120; 1Del Oph ; 2.73; 3200;occ; 88; 0;32567
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21; 2370.4; 23-MAY-2008 05:47:16; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;32567

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6; 1632.3; 23-MAY-2008 20:40:22; Bright; 36.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 72; 0;32576
7; 1735.4; 23-MAY-2008 20:42:05; Bright; 36.0; 104; 27Bet Lib ; 2.61; 13100;occ; 72; 0;32576
8; 1839.8; 23-MAY-2008 20:43:49; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;32576
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 2;-2026.8; 23-MAY-2008 06:14:35; Bright; 36.5; 68; 18Alp Cas ; 2.22; 4500;occ; 73; 0;32567
 3;-1654.9; 23-MAY-2008 06:20:47; Bright; 48.0; 53; 43Bet And ; 2.05; 3300;occ; 96; 0;32567
 4;-1502.8; 23-MAY-2008 06:23:19; Dark ; 49.0; 58; 21Alp And ; 2.07; 11000;occ; 98; 0;32567
 5;-1235.8; 23-MAY-2008 06:27:46; Dark ; 44.0; 140; 88Gam Peg ; 2.83; 26000;occ; 88; 0;32567
 6; -706.9; 23-MAY-2008 06:36:35; Dark ; 42.5; 52; 16Bet Cet ; 2.04; 4500;occ; 85; 0;32567
 7; -183.8; 23-MAY-2008 06:45:18; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32567
 8; -19.4; 23-MAY-2008 06:48:02; Dark ; 49.0; 63; Bet Gru ; 2.15; 2800;occ; 98; 0;32567
 9; 81.5; 23-MAY-2008 06:49:43; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;32568
 10; 404.1; 23-MAY-2008 06:55:06; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32568
 11; 810.6; 23-MAY-2008 07:01:52; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;32568
 12; 977.0; 23-MAY-2008 07:04:39; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;32568
 13; 1087.8; 23-MAY-2008 07:06:30; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;32568
 14; 1210.1; 23-MAY-2008 07:08:32; Dark ; 50.5; 75; 26Eps Sco ; 2.29; 4250;occ; 101; 0;32568
 15; 1381.6; 23-MAY-2008 07:11:23; Dark ; 56.0; 16; 21Alp Sco ; 1.02; 3000;occ; 112; 0;32568
 16; 1525.2; 23-MAY-2008 07:13:47; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;32568
 17; 1631.4; 23-MAY-2008 07:15:33; Bright; 36.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 72; 0;32568
 18; 1734.8; 23-MAY-2008 07:17:17; Bright; 28.5; 104; 27Bet Lib ; 2.61; 13100;occ; 57; 0;32568

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 2; 1840.6; 23-MAY-2008 07:19:02; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;32568
 3; 2024.9; 23-MAY-2008 07:22:07; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32568
 4; 2370.3; 23-MAY-2008 07:27:52; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;32568
 5; 2560.4; 23-MAY-2008 07:31:02; Bright; 34.5; 180; 27Gam Boo ; 3.04; 8000;occ; 69; 0;32568
 6; 3045.7; 23-MAY-2008 07:39:07; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;32568
 7; 3172.5; 23-MAY-2008 07:41:14; Bright; 36.0; 60; 7Bet UMi ; 2.08; 3950;occ; 72; 0;32568
 8; 3446.9; 23-MAY-2008 07:45:49; Bright; 32.5; 49; 1Alp UMi ; 1.99; 6300;occ; 65; 0;32568
 9; 3937.0; 23-MAY-2008 07:53:59; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32568
 10; 4009.2; 23-MAY-2008 07:55:11; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;32568
 11; 4381.2; 23-MAY-2008 08:01:23; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;32568
 12; 4533.5; 23-MAY-2008 08:03:55; Dark ; 45.5; 58; 21Alp And ; 2.07; 11000;occ; 91; 0;32568
 13; 4800.6; 23-MAY-2008 08:08:22; Dark ; 46.0; 140; 88Gam Peg ; 2.83; 26000;occ; 92; 0;32568
 14; 5329.5; 23-MAY-2008 08:17:11; Dark ; 45.5; 52; 16Bet Cet ; 2.04; 4500;occ; 91; 0;32568
 15; 5736.3; 23-MAY-2008 08:23:58; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;32568
 16; 5852.6; 23-MAY-2008 08:25:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32568
 17; 6017.3; 23-MAY-2008 08:28:39; Dark ; 47.0; 63; Bet Gru ; 2.15; 2800;occ; 94; 0;32568
 18; 6118.2; 23-MAY-2008 08:30:20; Dark ; 44.0; 31; Alp Gru ; 1.73; 15200;occ; 88; 0;32568
 19; 6440.7; 23-MAY-2008 08:35:42; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32568
 20; 6846.9; 23-MAY-2008 08:42:29; Dark ; 41.0; 141; Bet Ara ; 2.84; 4600;occ; 82; 0;32568
 21; 7013.4; 23-MAY-2008 08:45:15; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;32568
 22; 7124.3; 23-MAY-2008 08:47:06; Dark ; 50.5; 25; 35Lam Sco ; 1.62; 28000;occ; 101; 0;32568
 23; 7246.4; 23-MAY-2008 08:49:08; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;32568
 24; 7417.8; 23-MAY-2008 08:52:00; Dark ; 58.0; 16; 21Alp Sco ; 1.02; 3000;occ; 116; 0;32568
 25; 7561.5; 23-MAY-2008 08:54:23; Bright; 42.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 84; 0;32568
 26; 7667.4; 23-MAY-2008 08:56:09; Bright; 36.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 72; 0;32568
 27; 7770.8; 23-MAY-2008 08:57:53; Bright; 10.0; 104; 27Bet Lib ; 2.61; 13100;occ; 20; 0;32568

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1; 1734.9; 23-MAY-2008 08:57:53; Bright; 36.0; 104; 27Bet Lib ; 2.61; 13100;occ; 72; 0;32569
 2; 1840.5; 23-MAY-2008 08:59:38; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;32569
 3; 2024.7; 23-MAY-2008 09:02:42; Bright; 40.0; 102; 24Alp Ser ; 2.60; 4250;occ; 80; 0;32569
 4; 2370.3; 23-MAY-2008 09:08:28; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32569
 5; 2560.1; 23-MAY-2008 09:11:38; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;32569
 6; 3045.3; 23-MAY-2008 09:19:43; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32569
 7; 3172.4; 23-MAY-2008 09:21:50; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32569
 8; 3446.7; 23-MAY-2008 09:26:24; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;32569
 9; 3936.9; 23-MAY-2008 09:34:35; Bright; 36.0; 76; 27Gam Cas ; 2.30; 30000;occ; 72; 0;32569


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10; 4009.1; 23-MAY-2008 09:35:47; Bright; 35.5; 68; 18Alp Cas ; 2.22; 4500;occ; 71; 0;32569
11; 4381.3; 23-MAY-2008 09:41:59; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;32569
12; 4533.6; 23-MAY-2008 09:44:31; Dark ; 50.0; 58; 21Alp And ; 2.07; 11000;occ; 100; 0;32569
13; 4800.9; 23-MAY-2008 09:48:59; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;32569
14; 5329.9; 23-MAY-2008 09:57:48; Dark ; 44.5; 52; 16Bet Cet ; 2.04; 4500;occ; 89; 0;32569
15; 5736.7; 23-MAY-2008 10:04:34; Dark ; 42.5; 84; Alp Phe ; 2.40; 4500;occ; 85; 0;32569
16; 5853.2; 23-MAY-2008 10:06:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32569
17; 6018.0; 23-MAY-2008 10:09:16; Dark ; 53.0; 63; Bet Gru ; 2.15; 2800;occ; 106; 0;32569
18; 6119.1; 23-MAY-2008 10:10:57; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;32569
19; 6441.4; 23-MAY-2008 10:16:19; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32569
20; 6847.3; 23-MAY-2008 10:23:05; Dark ; 39.5; 141; Bet Ara ; 2.84; 4600;occ; 79; 0;32569
21; 7014.0; 23-MAY-2008 10:25:52; Dark ; 51.0; 40; The Sco ; 1.86; 7100;occ; 102; 0;32569
22; 7124.7; 23-MAY-2008 10:27:42; Dark ; 50.0; 25; 35Lam Sco ; 1.62; 28000;occ; 100; 0;32569
23; 7246.8; 23-MAY-2008 10:29:44; Dark ; 52.5; 75; 26Eps Sco ; 2.29; 4250;occ; 105; 0;32569
24; 7418.0; 23-MAY-2008 10:32:36; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;32569
25; 7561.6; 23-MAY-2008 10:34:59; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;32569
26; 7667.4; 23-MAY-2008 10:36:45; Bright; 35.0; 122; 9Alp2Lib ; 2.75; 9700;occ; 70; 0;32569

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1; 1735.1; 23-MAY-2008 10:38:29; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32570
2; 1840.3; 23-MAY-2008 10:40:14; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;32570
3; 2024.6; 23-MAY-2008 10:43:18; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;32570
4; 2370.2; 23-MAY-2008 10:49:04; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;32570
5; 2560.1; 23-MAY-2008 10:52:14; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;32570
6; 3044.9; 23-MAY-2008 11:00:18; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32570
7; 3172.3; 23-MAY-2008 11:02:26; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32570
8; 3446.7; 23-MAY-2008 11:07:00; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 0;32570
9; 3936.9; 23-MAY-2008 11:15:10; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32570
10; 4009.0; 23-MAY-2008 11:16:23; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;32570
11; 4381.4; 23-MAY-2008 11:22:35; Bright; 37.5; 53; 43Bet And ; 2.05; 3300;occ; 75; 0;32570
12; 4533.7; 23-MAY-2008 11:25:07; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;32570
13; 4801.2; 23-MAY-2008 11:29:35; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;32570
14; 5330.4; 23-MAY-2008 11:38:24; Dark ; 45.5; 52; 16Bet Cet ; 2.04; 4500;occ; 91; 0;32570
15; 5737.0; 23-MAY-2008 11:45:11; Dark ; 42.5; 84; Alp Phe ; 2.40; 4500;occ; 85; 0;32570
16; 5853.7; 23-MAY-2008 11:47:07; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32570
17; 6018.8; 23-MAY-2008 11:49:52; Dark ; 55.0; 63; Bet Gru ; 2.15; 2800;occ; 110; 0;32570
18; 6119.9; 23-MAY-2008 11:51:33; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;32570
19; 6442.1; 23-MAY-2008 11:56:56; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32570
20; 6847.7; 23-MAY-2008 12:03:41; Dark ; 39.5; 141; Bet Ara ; 2.84; 4600;occ; 79; 0;32570
21; 7014.4; 23-MAY-2008 12:06:28; Dark ; 53.0; 40; The Sco ; 1.86; 7100;occ; 106; 0;32570
22; 7125.2; 23-MAY-2008 12:08:19; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;32570
23; 7247.1; 23-MAY-2008 12:10:21; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;32570
24; 7418.3; 23-MAY-2008 12:13:12; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;32570
25; 7561.7; 23-MAY-2008 12:15:35; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;32570
26; 7667.5; 23-MAY-2008 12:17:21; Bright; 30.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 61; 0;32570

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1; 1631.7; 23-MAY-2008 12:17:21; Bright; 35.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 71; 0;32571
2; 1735.1; 23-MAY-2008 12:19:05; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32571
3; 1840.2; 23-MAY-2008 12:20:50; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;32571
4; 2024.5; 23-MAY-2008 12:23:54; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32571
5; 2370.2; 23-MAY-2008 12:29:40; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;32571
6; 2560.1; 23-MAY-2008 12:32:50; Bright; 34.0; 180; 27Gam Boo ; 3.04; 8000;occ; 68; 0;32571
7; 3044.5; 23-MAY-2008 12:40:54; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32571
8; 3172.2; 23-MAY-2008 12:43:02; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;32571
9; 3446.8; 23-MAY-2008 12:47:36; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;32571
10; 3937.0; 23-MAY-2008 12:55:46; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32571
11; 4009.0; 23-MAY-2008 12:56:58; Bright; 35.0; 68; 18Alp Cas ; 2.22; 4500;occ; 70; 0;32571
12; 4381.7; 23-MAY-2008 13:03:11; Bright; 37.5; 53; 43Bet And ; 2.05; 3300;occ; 75; 0;32571
13; 4533.9; 23-MAY-2008 13:05:43; Dark ; 46.5; 58; 21Alp And ; 2.07; 11000;occ; 93; 0;32571
14; 4801.6; 23-MAY-2008 13:10:11; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;32571
15; 5330.9; 23-MAY-2008 13:19:00; Dark ; 45.5; 52; 16Bet Cet ; 2.04; 4500;occ; 91; 0;32571
16; 5737.5; 23-MAY-2008 13:25:47; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;32571
17; 5854.2; 23-MAY-2008 13:27:44; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32571
18; 6019.5; 23-MAY-2008 13:30:29; Dark ; 47.0; 63; Bet Gru ; 2.15; 2800;occ; 94; 0;32571
19; 6120.8; 23-MAY-2008 13:32:10; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;32571
20; 6442.8; 23-MAY-2008 13:37:32; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32571
21; 6848.4; 23-MAY-2008 13:44:18; Dark ; 42.5; 141; Bet Ara ; 2.84; 4600;occ; 85; 0;32571
22; 7015.0; 23-MAY-2008 13:47:04; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;32571
23; 7125.8; 23-MAY-2008 13:48:55; Dark ; 47.5; 25; 35Lam Sco ; 1.62; 28000;occ; 95; 0;32571

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24; 7247.5; 23-MAY-2008 13:50:57; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;32571
25; 7418.6; 23-MAY-2008 13:53:48; Dark ; 60.0; 16; 21Alp Sco ; 1.02; 3000;occ; 120; 0;32571
26; 7561.8; 23-MAY-2008 13:56:11; Bright; 38.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 77; 0;32571
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2; 1631.9; 23-MAY-2008 13:57:57; Bright; 35.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 71; 0;32572
3; 1735.1; 23-MAY-2008 13:59:40; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32572
4; 1840.3; 23-MAY-2008 14:01:26; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;32572
5; 2024.4; 23-MAY-2008 14:04:30; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32572
6; 2370.3; 23-MAY-2008 14:10:16; Bright; 37.0; 83; ; 2.38; 11000;occ; 74; 0;32572
7; 2560.1; 23-MAY-2008 14:13:25; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;32572
8; 3044.2; 23-MAY-2008 14:21:29; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;32572
9; 3172.2; 23-MAY-2008 14:23:38; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;32572
10; 3446.8; 23-MAY-2008 14:28:12; Bright; 33.0; 49; 1Alp UMi ; 1.99; 6300;occ; 66; 0;32572
11; 3937.0; 23-MAY-2008 14:36:22; Bright; 39.5; 76; 27Gam Cas ; 2.30; 30000;occ; 79; 0;32572
12; 4009.0; 23-MAY-2008 14:37:34; Bright; 48.0; 68; 18Alp Cas ; 2.22; 4500;occ; 96; 0;32572
13; 4381.8; 23-MAY-2008 14:43:47; Bright; 38.0; 53; 43Bet And ; 2.05; 3300;occ; 76; 0;32572
14; 4534.2; 23-MAY-2008 14:46:19; Dark ; 49.5; 58; 21Alp And ; 2.07; 11000;occ; 99; 0;32572
15; 4802.2; 23-MAY-2008 14:50:47; Dark ; 45.0; 140; 88Gam Peg ; 2.83; 26000;occ; 90; 0;32572
16; 5331.4; 23-MAY-2008 14:59:37; Dark ; 44.5; 52; 16Bet Cet ; 2.04; 4500;occ; 89; 0;32572
17; 5738.0; 23-MAY-2008 15:06:23; Dark ; 43.0; 84; Alp Phe ; 2.40; 4500;occ; 86; 0;32572
18; 5854.8; 23-MAY-2008 15:08:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32572
19; 6020.3; 23-MAY-2008 15:11:06; Dark ; 59.5; 63; Bet Gru ; 2.15; 2800;occ; 119; 0;32572
20; 6121.7; 23-MAY-2008 15:12:47; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;32572
21; 6443.5; 23-MAY-2008 15:18:09; Dark ; 43.0; 45; Alp Pav ; 1.94; 26000;occ; 86; 0;32572
22; 6848.8; 23-MAY-2008 15:24:54; Dark ; 38.5; 141; Bet Ara ; 2.84; 4600;occ; 77; 0;32572
23; 7015.7; 23-MAY-2008 15:27:41; Dark ; 48.0; 40; The Sco ; 1.86; 7100;occ; 96; 0;32572
24; 7126.3; 23-MAY-2008 15:29:32; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;32572
25; 7248.0; 23-MAY-2008 15:31:33; Dark ; 48.5; 75; 26Eps Sco ; 2.29; 4250;occ; 97; 0;32572
26; 7418.8; 23-MAY-2008 15:34:24; Dark ; 32.5; 16; 21Alp Sco ; 1.02; 3000;occ; 65; 0;32572
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2; 1526.0; 23-MAY-2008 15:36:47; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;32573
3; 1632.0; 23-MAY-2008 15:38:33; Bright; 36.5; 122; 9Alp2Lib ; 2.75; 9700;occ; 73; 0;32573
4; 1735.2; 23-MAY-2008 15:40:16; Bright; 36.5; 104; 27Bet Lib ; 2.61; 13100;occ; 73; 0;32573
5; 1840.1; 23-MAY-2008 15:42:01; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;32573
6; 2024.2; 23-MAY-2008 15:45:05; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;32573
7; 2370.1; 23-MAY-2008 15:50:51; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;32573
8; 2560.1; 23-MAY-2008 15:54:01; Bright; 36.0; 180; 27Gam Boo ; 3.04; 8000;occ; 72; 0;32573
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26; 6850.0; 23-MAY-2008 20:26:43; Dark ; 39.0; 141; Bet Ara ; 2.84; 4600;occ; 78; 0;32575
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 4; 2369.6; 24-MAY-2008 08:36:50; Bright; 37.5; 83; ; 2.38; 11000;occ; 75; 0;32583
 5; 3040.0; 24-MAY-2008 08:48:01; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32583
 6; 3171.4; 24-MAY-2008 08:50:12; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32583
 7; 3688.4; 24-MAY-2008 08:58:49; Bright; 44.0; 89; 5Alp Cep ; 2.45; 8000;occ; 88; 0;32583
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 9; 4008.3; 24-MAY-2008 09:04:09; Bright; 42.5; 68; 18Alp Cas ; 2.22; 4500;occ; 85; 0;32583
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 5; 3171.2; 24-MAY-2008 10:30:48; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32584
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 9; 1218.8; 24-MAY-2008 23:23:03; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;32592
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17; 6453.4; 24-MAY-2008 14:46:42; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;32586
18; 6854.8; 24-MAY-2008 14:53:23; Dark ; 41.5; 141; Bet Ara ; 2.84; 4600;occ; 83; 0;32586
19; 7023.2; 24-MAY-2008 14:56:12; Dark ; 47.5; 40; The Sco ; 1.86; 7100;occ; 95; 0;32586
20; 7133.5; 24-MAY-2008 14:58:02; Dark ; 48.0; 25; 35Lam Sco ; 1.62; 28000;occ; 96; 0;32586
21; 7253.1; 24-MAY-2008 15:00:01; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;32586
22; 7422.4; 24-MAY-2008 15:02:51; Dark ; 55.5; 16; 21Alp Sco ; 1.02; 3000;occ; 111; 0;32586
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2; 1528.3; 24-MAY-2008 15:05:13; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;32587
3; 1736.4; 24-MAY-2008 15:08:41; Bright; 36.0; 104; 27Bet Lib ; 2.61; 13100;occ; 72; 0;32587
4; 1838.9; 24-MAY-2008 15:10:23; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;32587
5; 2022.4; 24-MAY-2008 15:13:27; Bright; 39.5; 102; 24Alp Ser ; 2.60; 4250;occ; 79; 0;32587
6; 2369.5; 24-MAY-2008 15:19:14; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;32587
7; 3038.5; 24-MAY-2008 15:30:23; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;32587
8; 3171.2; 24-MAY-2008 15:32:35; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;32587
9; 3686.4; 24-MAY-2008 15:41:11; Bright; 43.5; 89; 5Alp Cep ; 2.45; 8000;occ; 87; 0;32587
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11; 4008.3; 24-MAY-2008 15:46:33; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;32587
12; 4383.6; 24-MAY-2008 15:52:48; Bright; 37.0; 53; 43Bet And ; 2.05; 3300;occ; 74; 0;32587
13; 4536.9; 24-MAY-2008 15:55:21; Dark ; 48.0; 58; 21Alp And ; 2.07; 11000;occ; 96; 0;32587
14; 4807.8; 24-MAY-2008 15:59:52; Dark ; 43.0; 140; 88Gam Peg ; 2.83; 26000;occ; 86; 0;32587
15; 5338.3; 24-MAY-2008 16:08:43; Dark ; 44.5; 52; 16Bet Cet ; 2.04; 4500;occ; 89; 0;32587
16; 5863.3; 24-MAY-2008 16:17:28; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32587
17; 6031.8; 24-MAY-2008 16:20:16; Dark ; 59.5; 63; Bet Gru ; 2.15; 2800;occ; 119; 0;32587
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19; 6454.1; 24-MAY-2008 16:27:18; Dark ; 41.0; 45; Alp Pav ; 1.94; 26000;occ; 82; 0;32587
20; 6855.4; 24-MAY-2008 16:34:00; Dark ; 44.0; 141; Bet Ara ; 2.84; 4600;occ; 88; 0;32587
21; 7023.7; 24-MAY-2008 16:36:48; Dark ; 50.5; 40; The Sco ; 1.86; 7100;occ; 101; 0;32587
22; 7134.1; 24-MAY-2008 16:38:38; Dark ; 50.5; 25; 35Lam Sco ; 1.62; 28000;occ; 101; 0;32587
23; 7253.5; 24-MAY-2008 16:40:38; Dark ; 50.0; 75; 26Eps Sco ; 2.29; 4250;occ; 100; 0;32587
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2; 1386.7; 24-MAY-2008 16:43:27; Dark ; 59.0; 16; 21Alp Sco ; 1.02; 3000;occ; 118; 0;32588
3; 1528.4; 24-MAY-2008 16:45:49; Bright; 41.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 83; 0;32588
4; 1736.4; 24-MAY-2008 16:49:17; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32588
5; 1838.8; 24-MAY-2008 16:50:59; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;32588
6; 2022.3; 24-MAY-2008 16:54:03; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;32588

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8; 3038.1; 24-MAY-2008 17:10:58; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;32588
9; 3170.9; 24-MAY-2008 17:13:11; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32588
10; 3685.8; 24-MAY-2008 17:21:46; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;32588
11; 3936.3; 24-MAY-2008 17:25:57; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;32588
12; 4008.1; 24-MAY-2008 17:27:08; Bright; 38.5; 68; 18Alp Cas ; 2.22; 4500;occ; 77; 0;32588
13; 4383.7; 24-MAY-2008 17:33:24; Bright; 37.5; 53; 43Bet And ; 2.05; 3300;occ; 75; 0;32588
14; 4537.1; 24-MAY-2008 17:35:57; Dark ; 47.0; 58; 21Alp And ; 2.07; 11000;occ; 94; 0;32588
15; 4808.2; 24-MAY-2008 17:40:28; Dark ; 46.5; 140; 88Gam Peg ; 2.83; 26000;occ; 93; 0;32588
16; 5338.7; 24-MAY-2008 17:49:19; Dark ; 47.5; 52; 16Bet Cet ; 2.04; 4500;occ; 95; 0;32588
17; 5863.8; 24-MAY-2008 17:58:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32588
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19; 6135.6; 24-MAY-2008 18:02:36; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;32588
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21; 6855.7; 24-MAY-2008 18:14:36; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32588
22; 7024.2; 24-MAY-2008 18:17:24; Dark ; 49.5; 40; The Sco ; 1.86; 7100;occ; 99; 0;32588
23; 7134.6; 24-MAY-2008 18:19:15; Dark ; 39.5; 25; 35Lam Sco ; 1.62; 28000;occ; 79; 0;32588

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3; 1386.9; 24-MAY-2008 18:24:03; Dark ; 59.0; 16; 21Alp Sco ; 1.02; 3000;occ; 118; 0;32589
4; 1528.5; 24-MAY-2008 18:26:25; Bright; 41.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 82; 0;32589
5; 1736.4; 24-MAY-2008 18:29:53; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;32589
6; 1838.7; 24-MAY-2008 18:31:35; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;32589
7; 2022.0; 24-MAY-2008 18:34:38; Bright; 39.0; 102; 24Alp Ser ; 2.60; 4250;occ; 78; 0;32589
8; 2369.3; 24-MAY-2008 18:40:26; Bright; 39.5; 83; ; 2.38; 11000;occ; 79; 0;32589
9; 3037.6; 24-MAY-2008 18:51:34; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32589
10; 3170.8; 24-MAY-2008 18:53:47; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32589
11; 3685.2; 24-MAY-2008 19:02:21; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;32589
12; 3936.2; 24-MAY-2008 19:06:32; Bright; 34.0; 76; 27Gam Cas ; 2.30; 30000;occ; 68; 0;32589
13; 4008.0; 24-MAY-2008 19:07:44; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;32589
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17; 5339.0; 24-MAY-2008 19:29:55; Dark ; 46.5; 52; 16Bet Cet ; 2.04; 4500;occ; 93; 0;32589
18; 5864.4; 24-MAY-2008 19:38:41; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32589
19; 6033.2; 24-MAY-2008 19:41:29; Dark ; 55.0; 63; Bet Gru ; 2.15; 2800;occ; 110; 0;32589
20; 6136.3; 24-MAY-2008 19:43:13; Dark ; 45.0; 31; Alp Gru ; 1.73; 15200;occ; 90; 0;32589
21; 6455.4; 24-MAY-2008 19:48:32; Dark ; 41.5; 45; Alp Pav ; 1.94; 26000;occ; 83; 0;32589
22; 6856.0; 24-MAY-2008 19:55:12; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;32589
23; 7024.6; 24-MAY-2008 19:58:01; Dark ; 26.5; 40; The Sco ; 1.86; 7100;occ; 53; 0;32589

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2; -169.9; 25-MAY-2008 00:40:30; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32592
3; -0.5; 25-MAY-2008 00:43:19; Dark ; 57.0; 63; Bet Gru ; 2.15; 2800;occ; 114; 0;32592
4; 103.0; 25-MAY-2008 00:45:03; Dark ; 43.0; 31; Alp Gru ; 1.73; 15200;occ; 86; 0;32593
5; 421.6; 25-MAY-2008 00:50:21; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32593
6; 821.3; 25-MAY-2008 00:57:01; Dark ; 44.5; 141; Bet Ara ; 2.84; 4600;occ; 89; 0;32593
7; 990.2; 25-MAY-2008 00:59:50; Dark ; 48.5; 40; The Sco ; 1.86; 7100;occ; 97; 0;32593
8; 1100.5; 25-MAY-2008 01:01:40; Dark ; 48.5; 25; 35Lam Sco ; 1.62; 28000;occ; 97; 0;32593
9; 1219.2; 25-MAY-2008 01:03:39; Dark ; 47.0; 75; 26Eps Sco ; 2.29; 4250;occ; 94; 0;32593
10; 1387.7; 25-MAY-2008 01:06:28; Dark ; 59.0; 16; 21Alp Sco ; 1.02; 3000;occ; 118; 0;32593
11; 1529.2; 25-MAY-2008 01:08:49; Bright; 39.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 79; 0;32593
12; 1736.9; 25-MAY-2008 01:12:17; Bright; 37.0; 104; 27Bet Lib ; 2.61; 13100;occ; 74; 0;32593
13; 1838.2; 25-MAY-2008 01:13:58; Bright; 43.0; 120; 1Del Oph ; 2.73; 3200;occ; 86; 0;32593
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18; 3683.1; 25-MAY-2008 01:44:43; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;32593
19; 3935.9; 25-MAY-2008 01:48:56; Bright; 37.5; 76; 27Gam Cas ; 2.30; 30000;occ; 75; 0;32593
20; 4007.7; 25-MAY-2008 01:50:08; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;32593
21; 4384.1; 25-MAY-2008 01:56:24; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;32593
22; 4537.8; 25-MAY-2008 01:58:58; Dark ; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;32593
23; 4810.0; 25-MAY-2008 02:03:30; Dark ; 44.5; 140; 88Gam Peg ; 2.83; 26000;occ; 89; 0;32593

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4; 103.9; 25-MAY-2008 02:25:40; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;32594
5; 422.3; 25-MAY-2008 02:30:58; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;32594
6; 821.8; 25-MAY-2008 02:37:37; Dark ; 42.0; 141; Bet Ara ; 2.84; 4600;occ; 84; 0;32594
7; 990.8; 25-MAY-2008 02:40:27; Dark ; 52.0; 40; The Sco ; 1.86; 7100;occ; 104; 0;32594
8; 1101.0; 25-MAY-2008 02:42:17; Dark ; 53.0; 25; 35Lam Sco ; 1.62; 28000;occ; 106; 0;32594
9; 1219.6; 25-MAY-2008 02:44:15; Dark ; 49.5; 75; 26Eps Sco ; 2.29; 4250;occ; 99; 0;32594
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11; 1529.4; 25-MAY-2008 02:49:25; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;32594
12; 1737.0; 25-MAY-2008 02:52:53; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;32594
13; 1838.2; 25-MAY-2008 02:54:34; Bright; 43.5; 120; 1Del Oph ; 2.73; 3200;occ; 87; 0;32594
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3; -1651.7; 25-MAY-2008 03:37:00; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;32594
4; -1497.9; 25-MAY-2008 03:39:34; Dark ; 47.5; 58; 21Alp And ; 2.07; 11000;occ; 95; 0;32594
5; -1225.5; 25-MAY-2008 03:44:06; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;32594
6; -694.6; 25-MAY-2008 03:52:57; Dark ; 45.5; 52; 16Bet Cet ; 2.04; 4500;occ; 91; 0;32594
7; -168.8; 25-MAY-2008 04:01:43; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;32594
8; 1.2; 25-MAY-2008 04:04:33; Dark ; 59.5; 63; Bet Gru ; 2.15; 2800;occ; 119; 0;32595
9; 104.9; 25-MAY-2008 04:06:17; Dark ; 42.5; 31; Alp Gru ; 1.73; 15200;occ; 85; 0;32595
10; 423.1; 25-MAY-2008 04:11:35; Dark ; 42.0; 45; Alp Pav ; 1.94; 26000;occ; 84; 0;32595
11; 822.3; 25-MAY-2008 04:18:14; Dark ; 39.5; 141; Bet Ara ; 2.84; 4600;occ; 79; 0;32595
12; 991.5; 25-MAY-2008 04:21:03; Dark ; 47.0; 40; The Sco ; 1.86; 7100;occ; 94; 0;32595
13; 1101.6; 25-MAY-2008 04:22:53; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;32595
14; 1220.0; 25-MAY-2008 04:24:52; Dark ; 46.0; 75; 26Eps Sco ; 2.29; 4250;occ; 92; 0;32595
15; 1388.4; 25-MAY-2008 04:27:40; Dark ; 59.0; 16; 21Alp Sco ; 1.02; 3000;occ; 118; 0;32595
16; 1529.5; 25-MAY-2008 04:30:01; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;32595
17; 1737.2; 25-MAY-2008 04:33:29; Bright; 37.5; 104; 27Bet Lib ; 2.61; 13100;occ; 75; 0;32595
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19; 2021.5; 25-MAY-2008 04:38:13; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;32595
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21; 3035.6; 25-MAY-2008 04:55:07; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;32595
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3; 1223.4; 25-MAY-2008 21:10:55; Dark ; 49.0; 75; 26Eps Sco ; 2.29; 4250;occ; 98; 0;32605
4; 1351.5; 25-MAY-2008 21:13:03; Dark ; 43.5; 136; 23Tau Sco ; 2.82; 30000;occ; 87; 0;32605
5; 1531.0; 25-MAY-2008 21:16:02; Bright; 40.5; 97; 8Bet1Sco ; 2.56; 30000;occ; 81; 0;32605
6; 1738.0; 25-MAY-2008 21:19:29; Bright; 36.5; 104; 27Bet Lib ; 2.61; 13100;occ; 73; 0;32605
7; 1837.4; 25-MAY-2008 21:21:09; Bright; 42.5; 120; 1Del Oph ; 2.73; 3200;occ; 85; 0;32605
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9; 2369.1; 25-MAY-2008 21:30:00; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;32605
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12; 3676.5; 25-MAY-2008 21:51:48; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;32605
13; 3935.3; 25-MAY-2008 21:56:06; Bright; 54.0; 76; 27Gam Cas ; 2.30; 30000;occ; 108; 0;32605
14; 4006.9; 25-MAY-2008 21:57:18; Bright; 56.0; 68; 18Alp Cas ; 2.22; 4500;occ; 112; 0;32605
15; 4385.4; 25-MAY-2008 22:03:37; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;32605
16; 4539.9; 25-MAY-2008 22:06:11; Dark ; 46.0; 58; 21Alp And ; 2.07; 11000;occ; 92; 0;32605
17; 4814.9; 25-MAY-2008 22:10:46; Dark ; 45.5; 140; 88Gam Peg ; 2.83; 26000;occ; 91; 0;32605
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5; -1218.9; 26-MAY-2008 06:33:48; Dark ; 48.5; 140; 88Gam Peg ; 2.83; 26000;occ; 97; 0;32610

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9; 118.9; 26-MAY-2008 06:56:06; Dark ; 43.5; 31; Alp Gru ; 1.73; 15200;occ; 87; 0;32611
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13; 1109.4; 26-MAY-2008 07:12:36; Dark ; 49.5; 25; 35Lam Sco ; 1.62; 28000;occ; 99; 0;32611
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11; 4541.2; 26-MAY-2008 08:09:48; Dark ; 48.5; 58; 21Alp And ; 2.07; 11000;occ; 97; 0;32611
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21; 7262.0; 26-MAY-2008 08:55:09; Dark ; 42.5; 75; 26Eps Sco ; 2.29; 4250;occ; 85; 0;32611
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5; 2572.1; 26-MAY-2008 10:58:11; Bright; 42.0; 133; 40Zet Her ; 2.81; 6000;occ; 84; 0;32613

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8; 3672.2; 26-MAY-2008 11:16:31; Bright; 45.5; 89; 5Alp Cep ; 2.45; 8000;occ; 91; 0;32613
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24; 3168.9; 27-MAY-2008 05:34:43; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32624
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23; 3025.1; 27-MAY-2008 07:12:55; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;32625
24; 3168.8; 27-MAY-2008 07:15:18; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32625
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 3; 32.0; 27-MAY-2008 21:28:25; Dark ; 56.5; 63; Bet Gru ; 2.15; 2800;occ; 113; 0;32634
 4; 139.4; 27-MAY-2008 21:30:12; Dark ; 45.5; 31; Alp Gru ; 1.73; 15200;occ; 91; 0;32634
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 6; 838.7; 27-MAY-2008 21:41:52; Dark ; 43.0; 141; Bet Ara ; 2.84; 4600;occ; 86; 0;32634
 7; 1011.1; 27-MAY-2008 21:44:44; Dark ; 45.0; 40; The Sco ; 1.86; 7100;occ; 90; 0;32634

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6; 839.0; 27-MAY-2008 23:22:28; Dark ; 40.5; 141; Bet Ara ; 2.84; 4600;occ; 81; 0;32635
7; 1011.4; 27-MAY-2008 23:25:20; Dark ; 46.0; 40; The Sco ; 1.86; 7100;occ; 92; 0;32635
8; 1120.7; 27-MAY-2008 23:27:10; Dark ; 49.0; 25; 35Lam Sco ; 1.62; 28000;occ; 98; 0;32635
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 3; 2379.0; 27-MAY-2008 10:23:21; Bright; 39.5; 67; 5Alp CrB ; 2.22; 11000;occ; 79; 0;32627
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 5; 3024.3; 27-MAY-2008 10:34:06; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32627
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 3; 1836.1; 27-MAY-2008 11:54:53; Bright; 41.0; 120; 1Del Oph ; 2.73; 3200;occ; 82; 0;32628
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13; 4824.6; 27-MAY-2008 12:44:42; Dark ; 48.5; 140; 88Gam Peg ; 2.83; 26000;occ; 97; 0;32628
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22; 7267.7; 27-MAY-2008 13:25:25; Dark ; 44.0; 75; 26Eps Sco ; 2.29; 4250;occ; 88; 0;32628
23; 7393.9; 27-MAY-2008 13:27:31; Dark ; 43.0; 136; 23Tau Sco ; 2.82; 30000;occ; 86; 0;32628
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 3; 1701.4; 27-MAY-2008 16:54:27; Bright; 42.0; 98; 13Zet Oph ; 2.57; 30000;occ; 84; 0;32631
 4; 2017.9; 27-MAY-2008 16:59:43; Bright; 38.0; 102; 24Alp Ser ; 2.60; 4250;occ; 76; 0;32631

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7; 3023.1; 27-MAY-2008 17:16:28; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32631
8; 3168.6; 27-MAY-2008 17:18:54; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;32631
9; 3662.4; 27-MAY-2008 17:27:08; Bright; 46.5; 89; 5Alp Cep ; 2.45; 8000;occ; 93; 0;32631
10; 3933.9; 27-MAY-2008 17:31:39; Bright; 34.5; 76; 27Gam Cas ; 2.30; 30000;occ; 69; 0;32631
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13; 4825.9; 27-MAY-2008 17:46:31; Dark ; 48.0; 140; 88Gam Peg ; 2.83; 26000;occ; 96; 0;32631
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18; 6485.1; 27-MAY-2008 18:14:10; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;32631
19; 6873.9; 27-MAY-2008 18:20:39; Dark ; 40.0; 141; Bet Ara ; 2.84; 4600;occ; 80; 0;32631
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3; 1836.1; 27-MAY-2008 13:35:29; Bright; 41.5; 120; 1Del Oph ; 2.73; 3200;occ; 83; 0;32629
4; 2018.3; 27-MAY-2008 13:38:31; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;32629
5; 2378.6; 27-MAY-2008 13:44:32; Bright; 39.0; 67; 5Alp CrB ; 2.22; 11000;occ; 78; 0;32629
6; 2562.1; 27-MAY-2008 13:47:35; Bright; 44.5; 133; 40Zet Her ; 2.81; 6000;occ; 89; 0;32629
7; 3023.7; 27-MAY-2008 13:55:17; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;32629
8; 3168.6; 27-MAY-2008 13:57:42; Bright; 37.0; 60; 7Bet UMi ; 2.08; 3950;occ; 74; 0;32629
9; 3663.5; 27-MAY-2008 14:05:57; Bright; 45.0; 89; 5Alp Cep ; 2.45; 8000;occ; 90; 0;32629
10; 3934.1; 27-MAY-2008 14:10:27; Bright; 36.0; 76; 27Gam Cas ; 2.30; 30000;occ; 72; 0;32629
11; 4388.2; 27-MAY-2008 14:18:01; Bright; 39.5; 53; 43Bet And ; 2.05; 3300;occ; 79; 0;32629
12; 4544.6; 27-MAY-2008 14:20:38; Dark ; 50.5; 58; 21Alp And ; 2.07; 11000;occ; 101; 0;32629
13; 4825.1; 27-MAY-2008 14:25:18; Dark ; 50.0; 140; 88Gam Peg ; 2.83; 26000;occ; 100; 0;32629
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22; 7268.1; 27-MAY-2008 15:06:01; Dark ; 47.5; 75; 26Eps Sco ; 2.29; 4250;occ; 95; 0;32629
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3; 2018.0; 27-MAY-2008 15:19:07; Bright; 38.5; 102; 24Alp Ser ; 2.60; 4250;occ; 77; 0;32630
4; 2378.4; 27-MAY-2008 15:25:07; Bright; 37.5; 67; 5Alp CrB ; 2.22; 11000;occ; 75; 0;32630
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6; 3023.3; 27-MAY-2008 15:35:52; Bright; 46.0; 119; 14Eta Dra ; 2.73; 4700;occ; 92; 0;32630
7; 3168.6; 27-MAY-2008 15:38:18; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;32630
8; 3663.0; 27-MAY-2008 15:46:32; Bright; 68.0; 89; 5Alp Cep ; 2.45; 8000;occ; 136; 0;32630
9; 3934.1; 27-MAY-2008 15:51:03; Bright; 55.0; 76; 27Gam Cas ; 2.30; 30000;occ; 110; 0;32630
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11; 4544.7; 27-MAY-2008 16:01:14; Dark ; 51.5; 58; 21Alp And ; 2.07; 11000;occ; 103; 0;32630
12; 4825.6; 27-MAY-2008 16:05:55; Dark ; 47.0; 140; 88Gam Peg ; 2.83; 26000;occ; 94; 0;32630
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12; 3661.9; 27-MAY-2008 19:07:43; Bright; 47.0; 89; 5Alp Cep ; 2.45; 8000;occ; 94; 0;32632
13; 3933.9; 27-MAY-2008 19:12:15; Bright; 55.0; 76; 27Gam Cas ; 2.30; 30000;occ; 110; 0;32632
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9; 1234.1; 28-MAY-2008 01:09:39; Dark ; 45.0; 75; 26Eps Sco ; 2.29; 4250;occ; 90; 0;32636
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13; 2017.5; 28-MAY-2008 01:22:42; Bright; 37.5; 102; 24Alp Ser ; 2.60; 4250;occ; 75; 0;32636
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