

# GOMOS Daily Report 14-NOV-2004

Due to acquisition failures on the operational chain, most of the PDHS-E level 0 data are corrupted since 12 November 2004 20:08, orbit 14139 until 16 November 19:43, orbit 14196. A [recovery](#) of data was put in place.

## Level 0 and Level 1 products

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## [Level 2 products](#)

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### 1. General Info

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	16NOV2004 05:01:44

Data source version	GOMOS/4.02
Start time of products	QDS_YESTERDAY(/START)-1D (14NOV2004 00:00:00)
Stop time of products	QDS_YESTERDAY(/STOP)-1D (15NOV2004 00:00:00)
Store outputs flag	1
Nb of level 1b prods	49
Nb of prods with errors	0

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

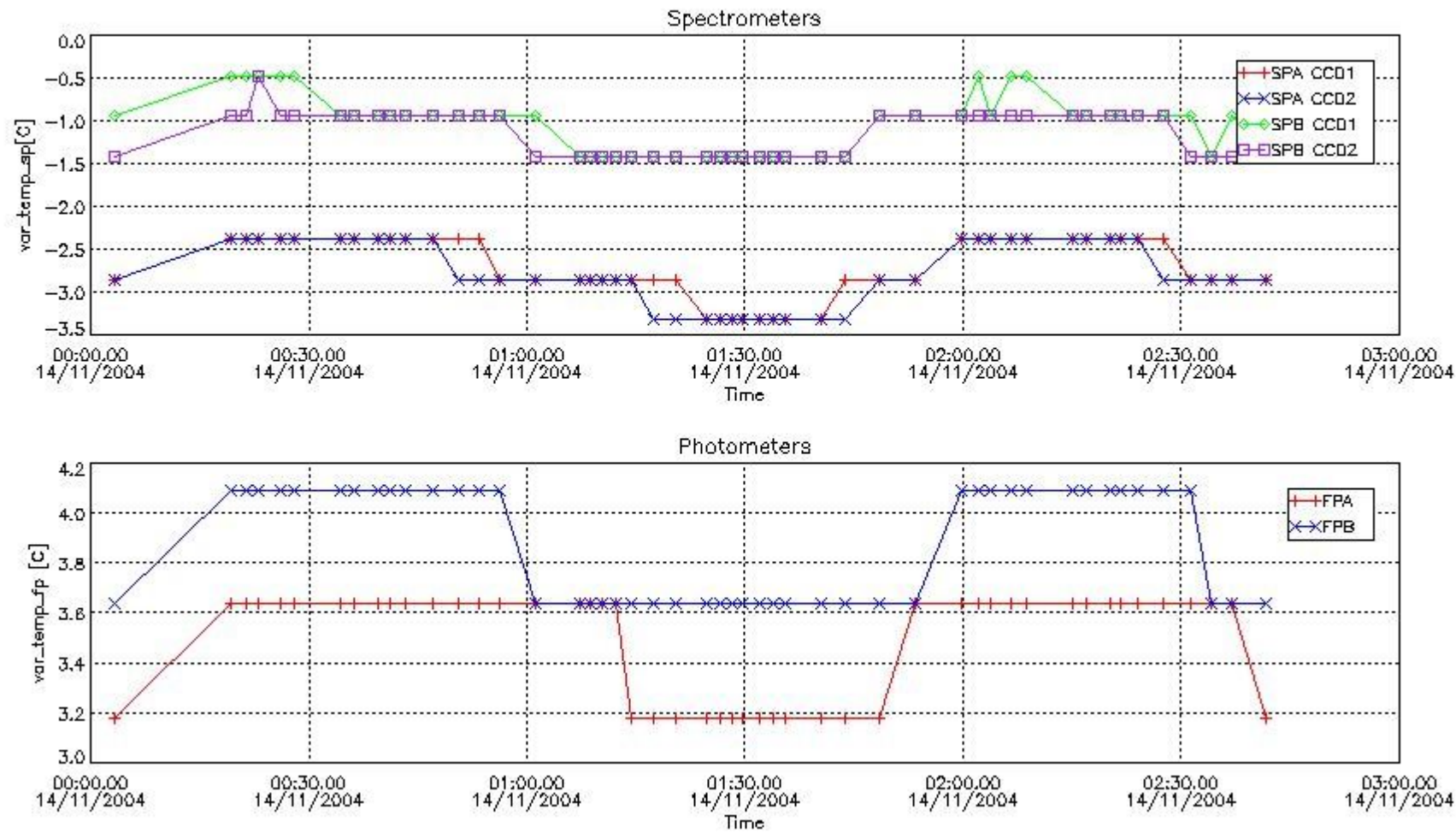
### 2.1 Level 0 products arrived in PCF (see template [here](#))

### 2.2 Summary of processed GOM\_TRA\_1P products

Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
GOM_TRA_1PNPDE20041114_000311_000000892032_00073_14155_0032.N1	14-NOV-2004 00:03:11	Bright	89.000	166	17Eps Leo	2.9800	6000.0	178	14155	No
GOM_TRA_1PNPDE20041114_001912_000000382032_00073_14155_0002.N1	14-NOV-2004 00:19:12	Dark	38.000	64	Gam Cen	2.2000	10600.	76	14155	No
GOM_TRA_1PNPDE20041114_002129_000000522032_00073_14155_0003.N1	14-NOV-2004 00:21:29	Dark	52.000	26	Gam Cru	1.6240	2900.0	104	14155	No
GOM_TRA_1PNPDE20041114_002307_000000492032_00073_14155_0004.N1	14-NOV-2004 00:23:07	Dark	48.500	12	Alp1Cru	0.77500	30000.	97	14155	No
GOM_TRA_1PNPDE20041114_002603_000000622032_00074_14156_0005.N1	14-NOV-2004 00:26:03	Dark	62.000	65	Lam Vel	2.2040	4400.0	124	14156	No
GOM_TRA_1PNPDE20041114_002759_000000392032_00074_14156_0006.N1	14-NOV-2004 00:27:59	Dark	38.500	29	Bet Car	1.6720	10200.	77	14156	No
GOM_TRA_1PNPDE20041114_003425_000000612032_00074_14156_0007.N1	14-NOV-2004 00:34:25	Dark	61.000	2	Alp Car	-0.73600	7000.0	122	14156	No
GOM_TRA_1PNPDE20041114_003614_000000802032_00074_14156_0008.N1	14-NOV-2004 00:36:14	Dark	79.500	88	31Eta CMa	2.4480	20000.	159	14156	No
GOM_TRA_1PNPDE20041114_003931_000000412032_00074_14156_0009.N1	14-NOV-2004 00:39:31	Dark	40.500	9	Alp Eri	0.45300	24000.	81	14156	No
GOM_TRA_1PNPDE20041114_004108_000000562032_00074_14156_0010.N1	14-NOV-2004 00:41:08	Dark	55.500	108	Alp Col	2.6520	15200.	111	14156	No
GOM_TRA_1PNPDE20041114_004318_000000402032_00074_14156_0011.N1	14-NOV-2004 00:43:18	Dark	40.000	157	The1Eri	2.9060	9300.0	80	14156	No
GOM_TRA_1PNPDE20041114_004656_000000732032_00074_14156_0012.N1	14-NOV-2004 00:46:56	Twilight	73.000	139	9Bet Lep	2.8330	5600.0	146	14156	No
GOM_TRA_1PNPDE20041114_005040_000000552032_00074_14156_0013.N1	14-NOV-2004 00:50:40	Bright	54.500	165	34Gam Eri	2.9500	3200.0	109	14156	No
GOM_TRA_1PNPDE20041114_005324_000000942032_00074_14156_0014.N1	14-NOV-2004 00:53:24	Bright	93.500	7	19Bet Ori	0.10000	14000.	187	14156	No
GOM_TRA_1PNPDE20041114_005618_000000532032_00074_14156_0015.N1	14-NOV-2004 00:56:18	Bright	53.000	94	92Alp Cet	2.5260	3100.0	106	14156	No
GOM_TRA_1PNPDE20041114_010104_000000372032_00074_14156_0016.N1	14-NOV-2004 01:01:04	Bright	36.500	105	6Bet Ari	2.6450	8900.0	73	14156	No
GOM_TRA_1PNPDE20041114_010710_000000402032_00074_14156_0017.N1	14-NOV-2004 01:07:10	Bright	40.000	73	57Gam1And	2.2600	13100.	80	14156	No
GOM_TRA_1PNPDE20041114_010842_000000442032_00074_14156_0018.N1	14-NOV-2004 01:08:42	Bright	43.500	149	45Eps Per	2.8880	30000.	87	14156	No
GOM_TRA_1PNPDE20041114_011025_000000412032_00074_14156_0019.N1	14-NOV-2004 01:10:25	Bright	40.500	35	33Alp Per	1.7950	6250.0	81	14156	No
GOM_TRA_1PNPDE20041114_011212_000000372032_00074_14156_0020.N1	14-NOV-2004 01:12:12	Bright	36.500	110	37Del Cas	2.6780	8900.0	73	14156	No
GOM_TRA_1PNPDE20041114_011418_000000602032_00074_14156_0021.N1	14-NOV-2004 01:14:18	Bright	59.500	6	13Alp Aur	0.080000	3400.0	119	14156	No
GOM_TRA_1PNPDE20041114_011726_000000602032_00074_14156_0022.N1	14-NOV-2004 01:17:26	Bright	60.000	42	34Bet Aur	1.9000	10200.	120	14156	No
GOM_TRA_1PNPDE20041114_012024_000000372032_00074_14156_0023.N1	14-NOV-2004 01:20:24	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	14156	No
GOM_TRA_1PNPDE20041114_012443_000000392032_00074_14156_0024.N1	14-NOV-2004 01:24:43	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	14156	No
GOM_TRA_1PNPDE20041114_012632_000000382032_00074_14156_0025.N1	14-NOV-2004 01:26:32	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	14156	No
GOM_TRA_1PNPDE20041114_012807_000000432032_00074_14156_0026.N1	14-NOV-2004 01:28:07	Bright	42.500	36	50Alp UMa	1.8000	6300.0	85	14156	No
GOM_TRA_1PNPDE20041114_012945_000000412032_00074_14156_0027.N1	14-NOV-2004 01:29:45	Bright	41.000	82	48Bet UMa	2.3650	10600.	82	14156	No
GOM_TRA_1PNPDE20041114_013159_000000362032_00074_14156_0028.N1	14-NOV-2004 01:31:59	Bright	35.500	39	85Eta UMa	1.8540	24000.	71	14156	No
GOM_TRA_1PNPDE20041114_013346_000000442032_00074_14156_0029.N1	14-NOV-2004 01:33:46	Bright	43.500	174	52Psi UMa	3.0040	4400.0	87	14156	No
GOM_TRA_1PNPDE20041114_013529_000000362032_00074_14156_0030.N1	14-NOV-2004 01:35:29	Bright	35.500	152	12Alp2CVn	2.8900	11000.	71	14156	No
GOM_TRA_1PNPDE20041114_014031_000000342032_00074_14156_0031.N1	14-NOV-2004 01:40:31	Bright	34.000	111	8Eta Boo	2.6800	6000.0	68	14156	No
GOM_TRA_1PNPDE20041114_014348_000000882032_00074_14156_0032.N1	14-NOV-2004 01:43:48	Bright	87.500	166	17Eps Leo	2.9800	6000.0	175	14156	No
GOM_TRA_1PNPDE20041114_014830_000000862032_00074_14156_0000.N1	14-NOV-2004 01:48:30	Twilight	85.500	22	32Alp Leo	1.3600	15200.	171	14156	No
GOM_TRA_1PNPDE20041114_015329_000000452032_00074_14156_0001.N1	14-NOV-2004 01:53:29	Twilight	44.500	171	2Eps Crv	3.0010	4250.0	89	14156	No
GOM_TRA_1PNPDE20041114_015949_000000412032_00074_14156_0002.N1	14-NOV-2004 01:59:49	Dark	40.500	64	Gam Cen	2.2000	10600.	81	14156	No
GOM_TRA_1PNPDE20041114_020206_000000442032_00074_14156_0003.N1	14-NOV-2004 02:02:06	Dark	43.500	26	Gam Cru	1.6240	2900.0	87	14156	No
GOM_TRA_1PNPDE20041114_020343_000000422032_00074_14156_0004.N1	14-NOV-2004 02:03:43	Dark	42.000	12	Alp1Cru	0.77500	30000.	84	14156	No
GOM_TRA_1PNPDE20041114_020640_000000522032_00075_14157_0005.N1	14-NOV-2004 02:06:40	Dark	52.000	65	Lam Vel	2.2040	4400.0	104	14157	No
GOM_TRA_1PNPDE20041114_020835_000000412032_00075_14157_0006.N1	14-NOV-2004 02:08:35	Dark	40.500	29	Bet Car	1.6720	10200.	81	14157	No
GOM_TRA_1PNPDE20041114_021502_000000492032_00075_14157_0007.N1	14-NOV-2004 02:15:02	Dark	48.500	2	Alp Car	-0.73600	7000.0	97	14157	No
GOM_TRA_1PNPDE20041114_021652_000000802032_00075_14157_0008.N1	14-NOV-2004 02:16:52	Dark	80.000	88	31Eta CMa	2.4480	20000.	160	14157	No
GOM_TRA_1PNPDE20041114_022007_000000432032_00075_14157_0009.N1	14-NOV-2004 02:20:07	Dark	43.000	9	Alp Eri	0.45300	24000.	86	14157	No
GOM_TRA_1PNPDE20041114_022144_000000562032_00075_14157_0010.N1	14-NOV-2004 02:21:44	Dark	55.500	108	Alp Col	2.6520	15200.	111	14157	No
GOM_TRA_1PNPDE20041114_022354_000000402032_00075_14157_0011.N1	14-NOV-2004 02:23:54	Dark	39.500	157	The1Eri	2.9060	9300.0	79	14157	No
GOM_TRA_1PNPDE20041114_022733_000000752032_00075_14157_0012.N1	14-NOV-2004 02:27:33	Twilight	75.000	139	9Bet Lep	2.8330	5600.0	150	14157	No
GOM_TRA_1PNPDE20041114_023117_000000562032_00075_14157_0013.N1	14-NOV-2004 02:31:17	Bright	55.500	165	34Gam Eri	2.9500	3200.0	111	14157	No

GOM_TRA_1PNPDE20041114_023400_000001042032_00075_14157_0014.N1	14-NOV-2004 02:34:00	Bright	104.00	7	19Bet Ori	0.10000	14000.	208	14157	No
GOM_TRA_1PNPDE20041114_023654_000000532032_00075_14157_0015.N1	14-NOV-2004 02:36:54	Bright	52.500	94	92Alp Cet	2.5260	3100.0	105	14157	No
GOM_TRA_1PNPDE20041114_024141_000000382032_00075_14157_0016.N1	14-NOV-2004 02:41:41	Bright	37.500	105	6Bet Ari	2.6450	8900.0	75	14157	No

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



### 4. Overview of dark signal processing per product

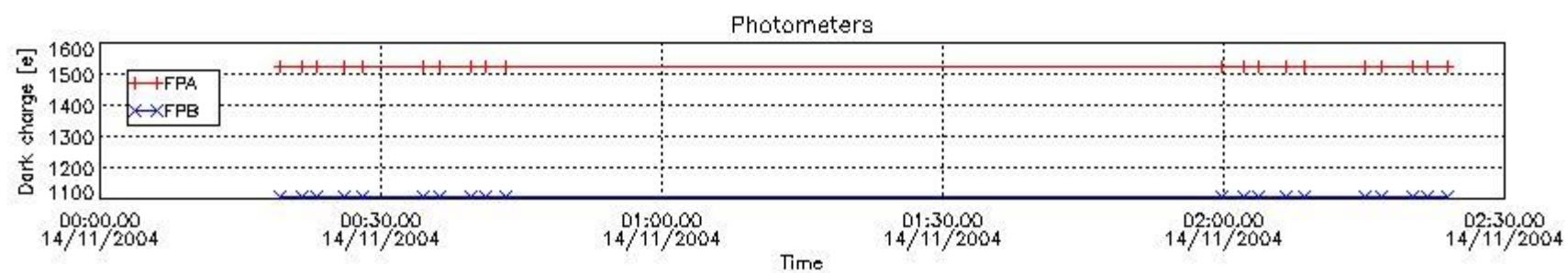
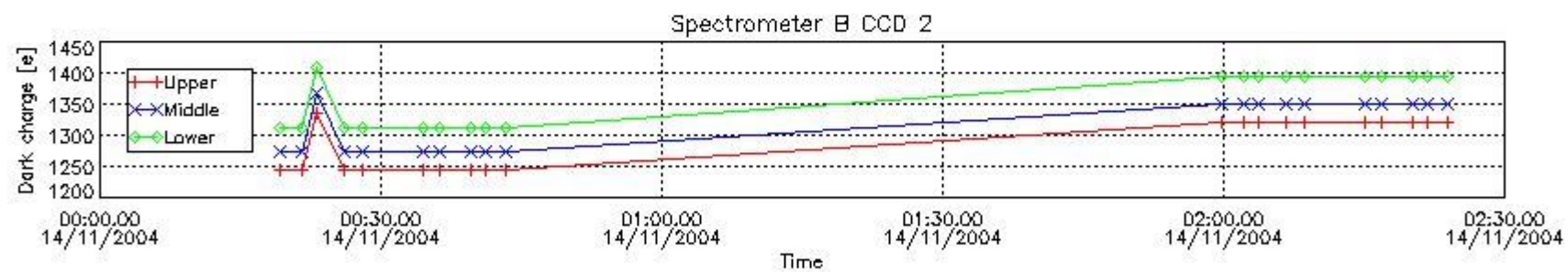
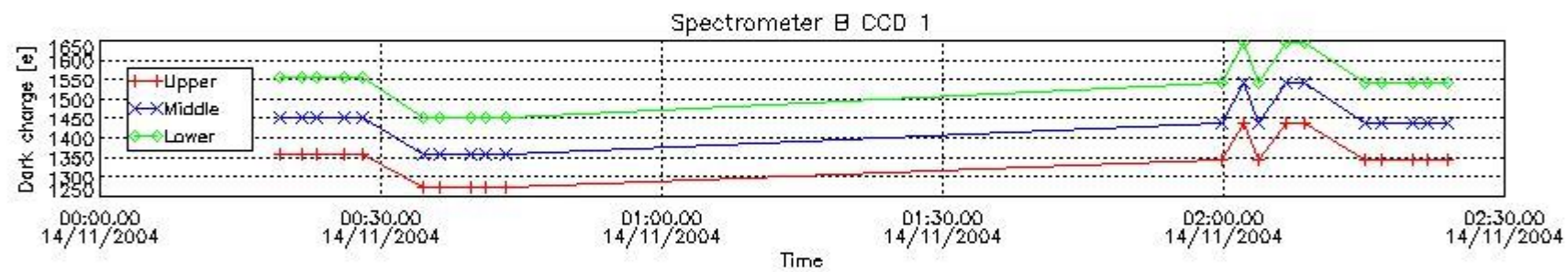
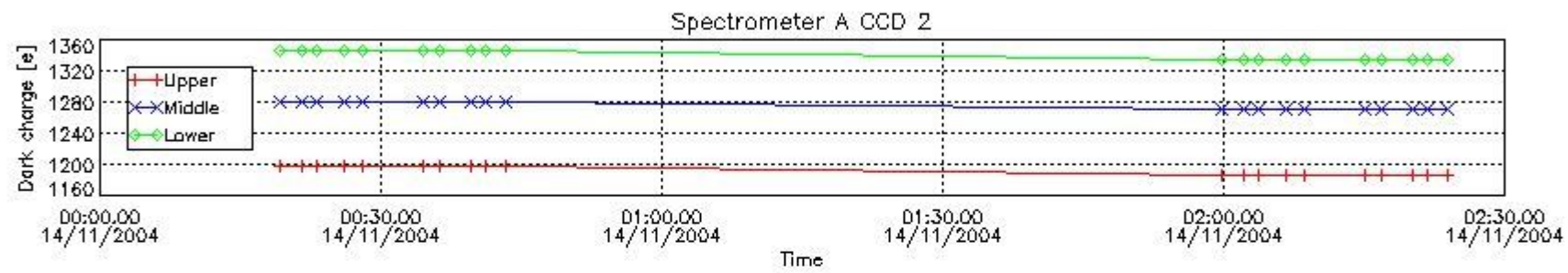
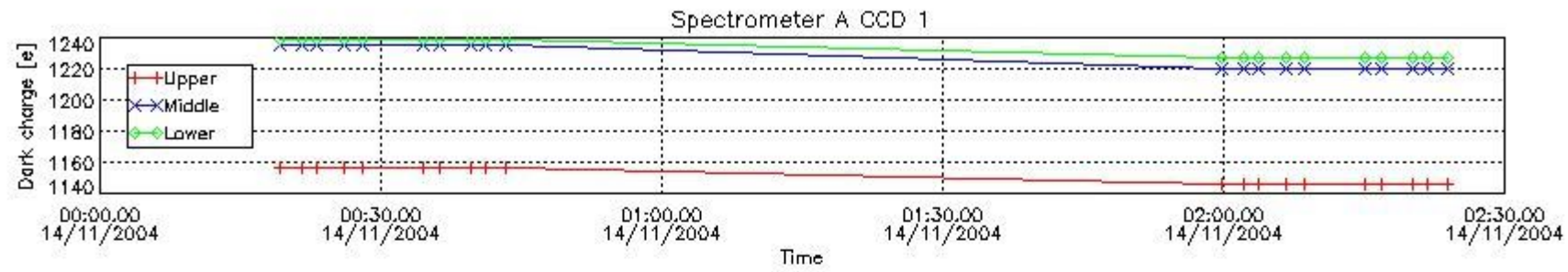
The Dark Charge (DC) is a temperature-dependant signal added to the useful measurements and it is therefore subtracted from them during the processing. There are two phenomena that produce a continuous increase of the DC: the "hot pixels" (a pixel is "hot" when its DC exceeds by a significant amount 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





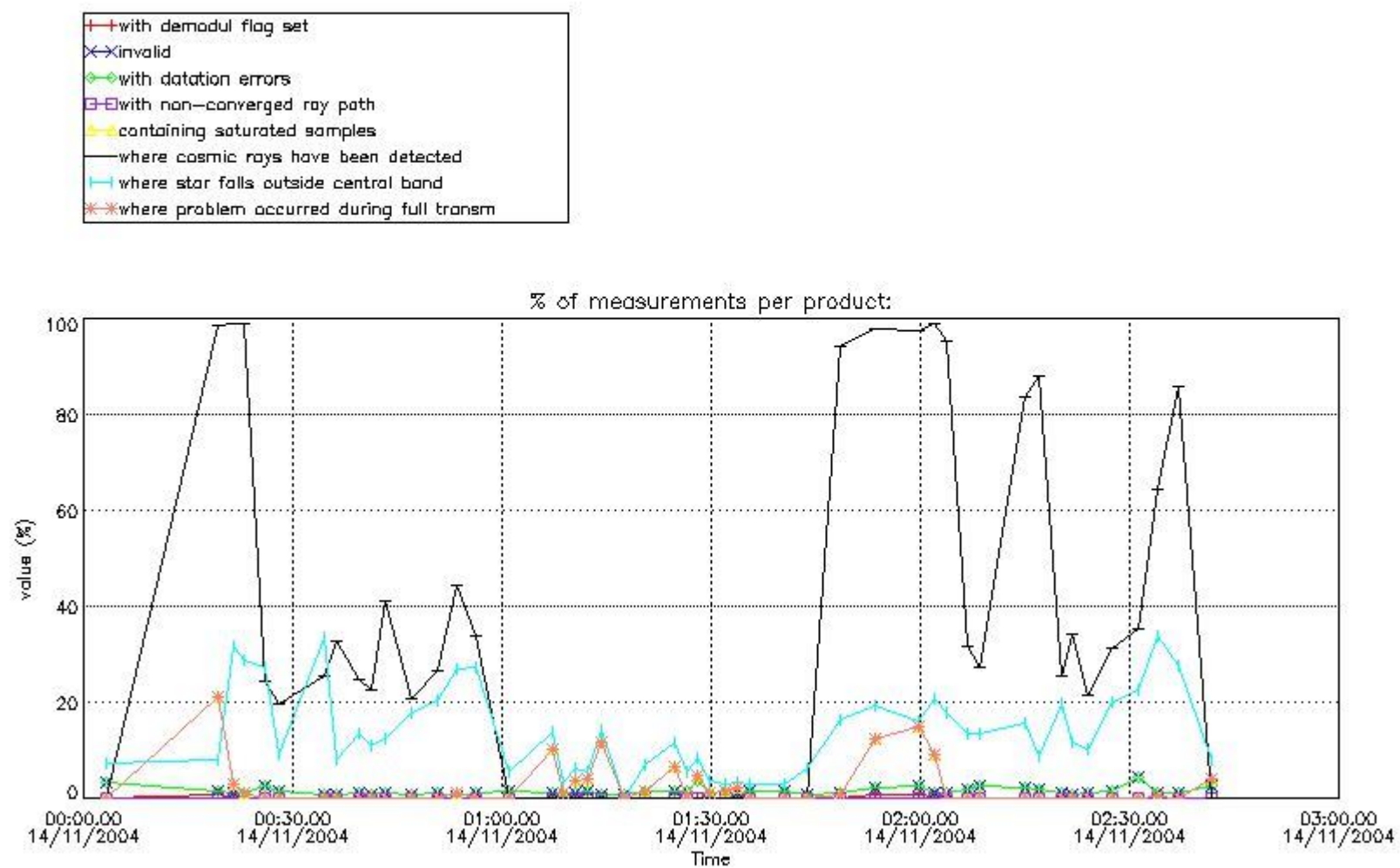
## 5. Demodulation flag and quality information monitoring

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:

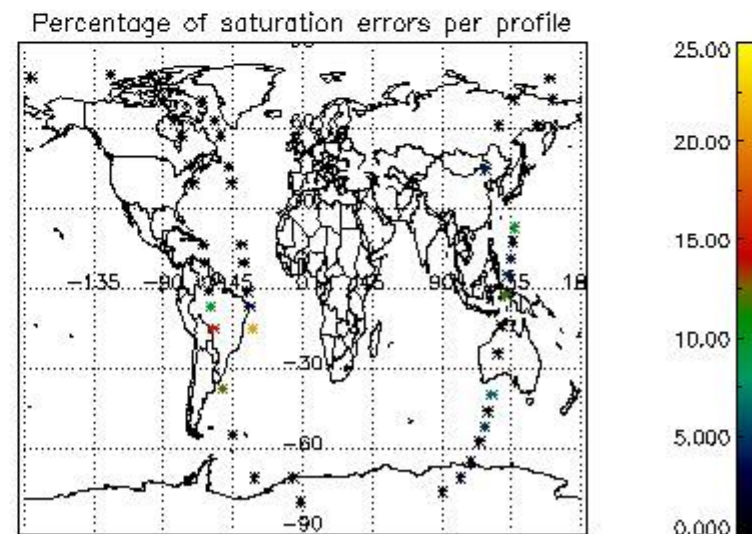
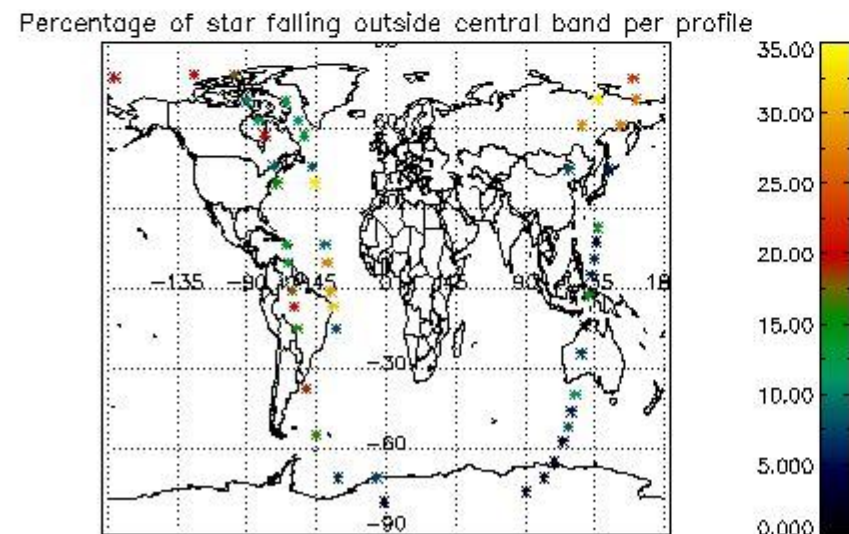
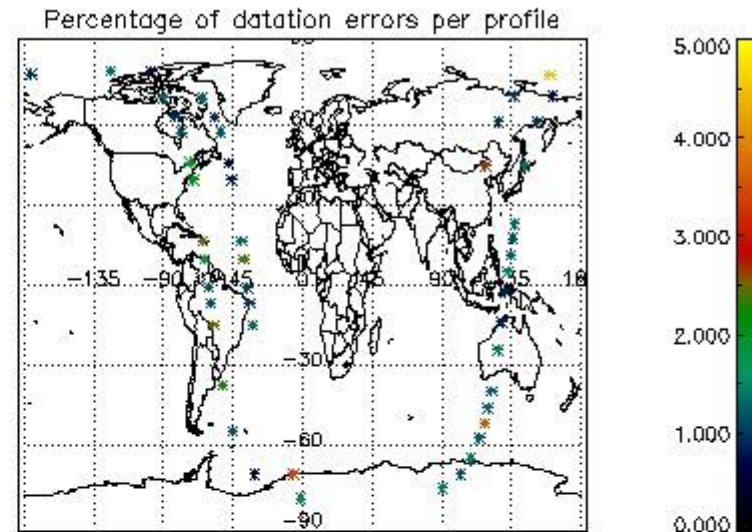
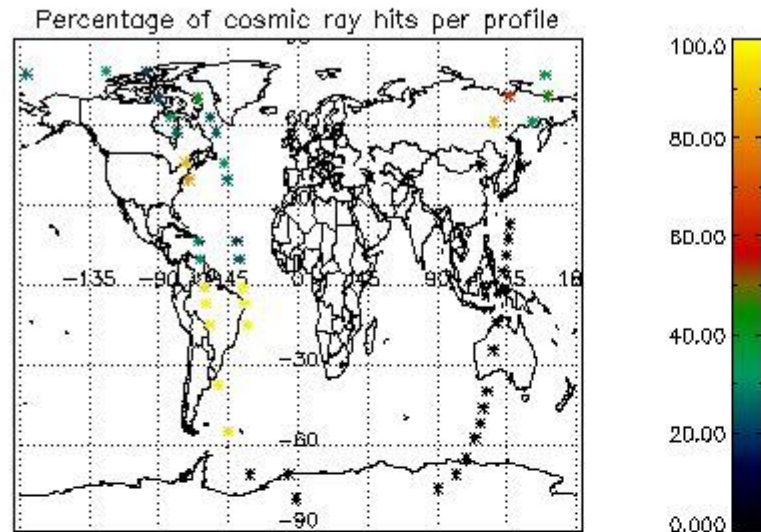
At least one measurement with demodulation flag set:	42.8571 %
Reference spectrum computed from DB:	0.00000 %
Reference spectrum with small number of measurements:	0.00000 %
SATU data not used:	0.00000 %

### 5.2 Plot quality information per product (time dependant)



### 5.3 Plot quality information per product (world map)





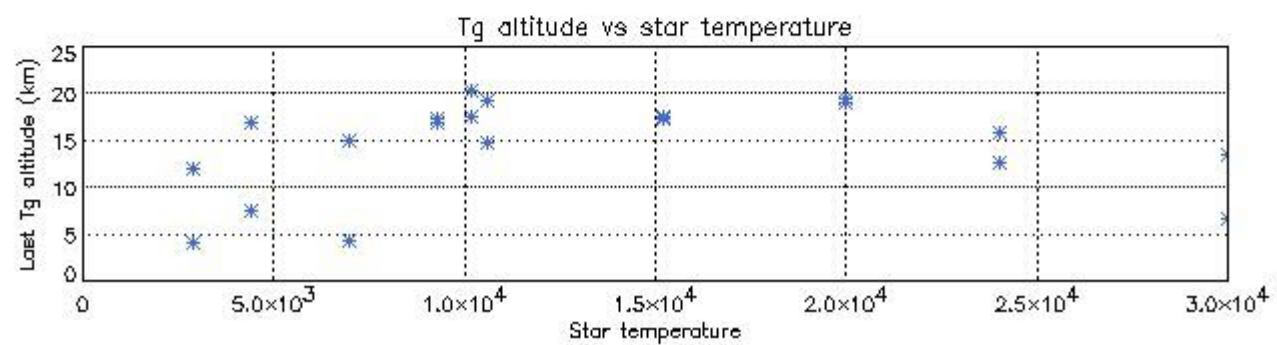
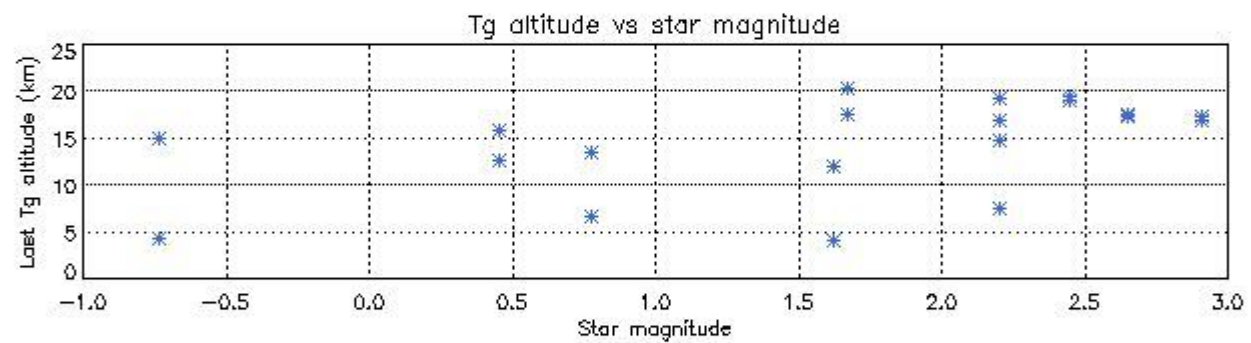
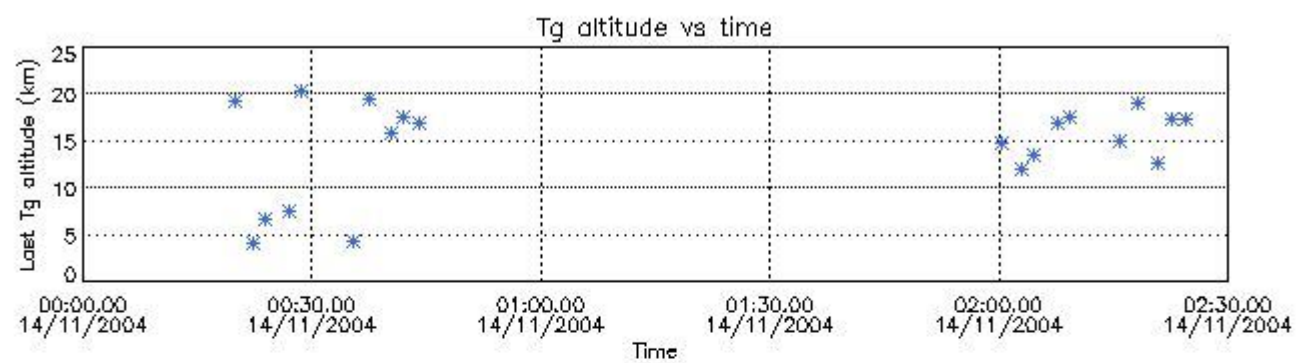
## 6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

### 6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT	TWILIGHT
Mean:	14.391	18.303	12.544
St. deviation:	5.0279	6.2558	0.94034
Maximum:	20.282	26.827	13.370
Minimum:	4.1267	4.7655	11.196
Number of data:	20.000	25.000	4.0000

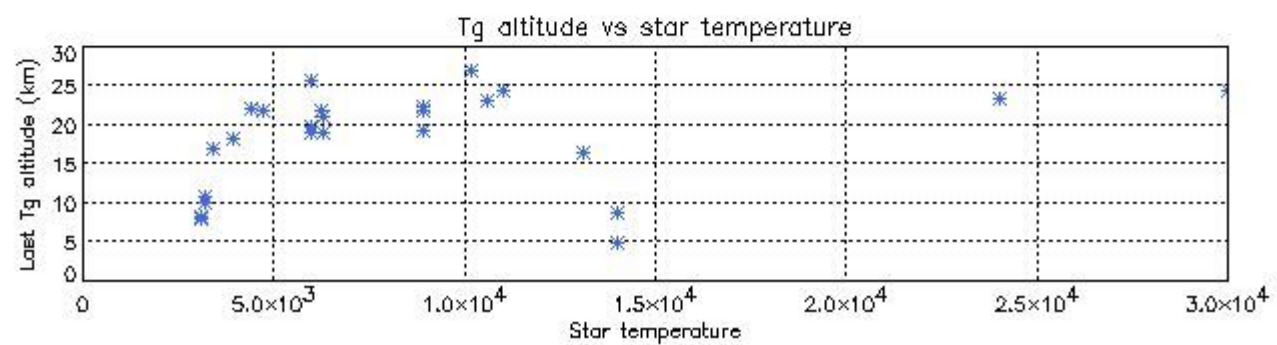
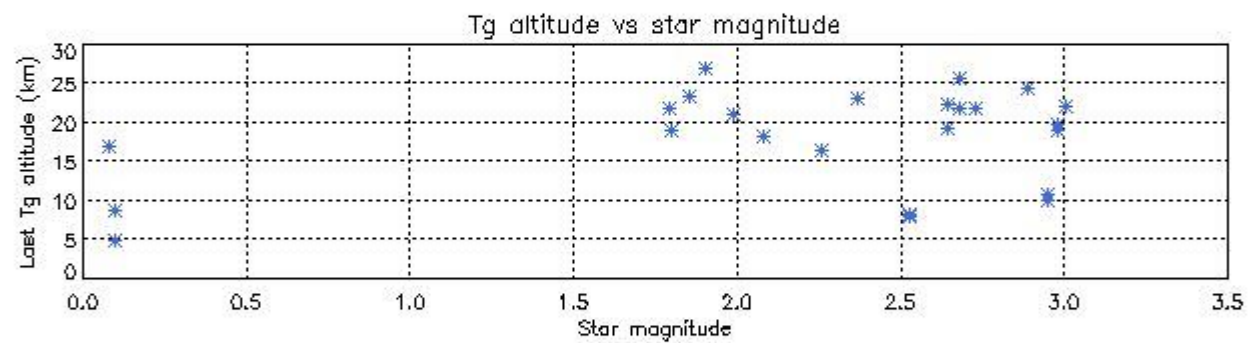
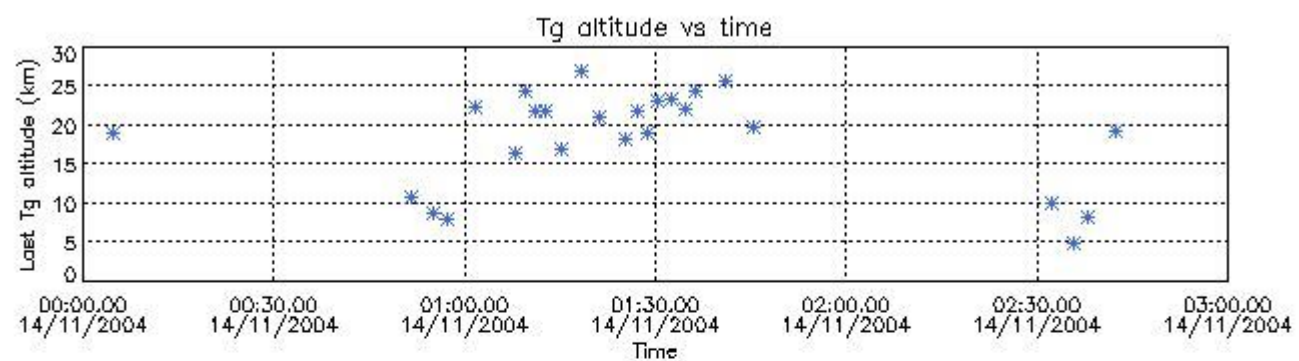
### 6.2 Plot for DARK limb products

Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products

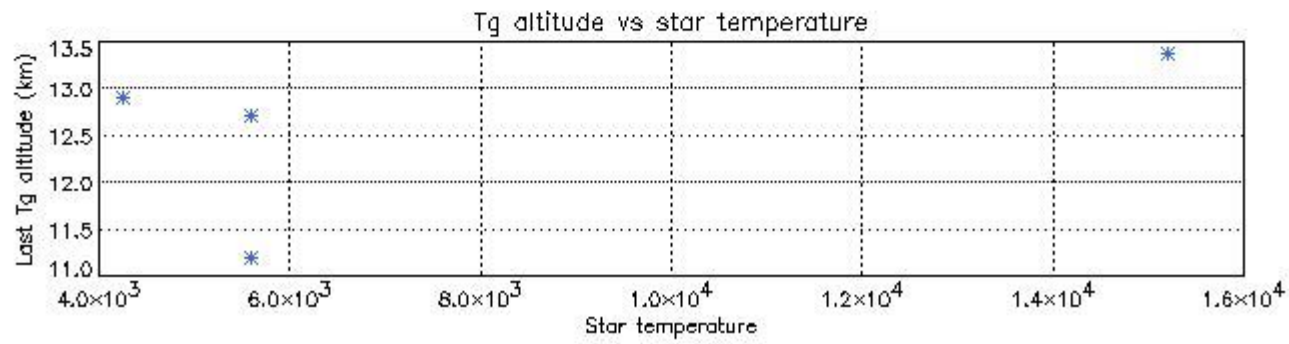
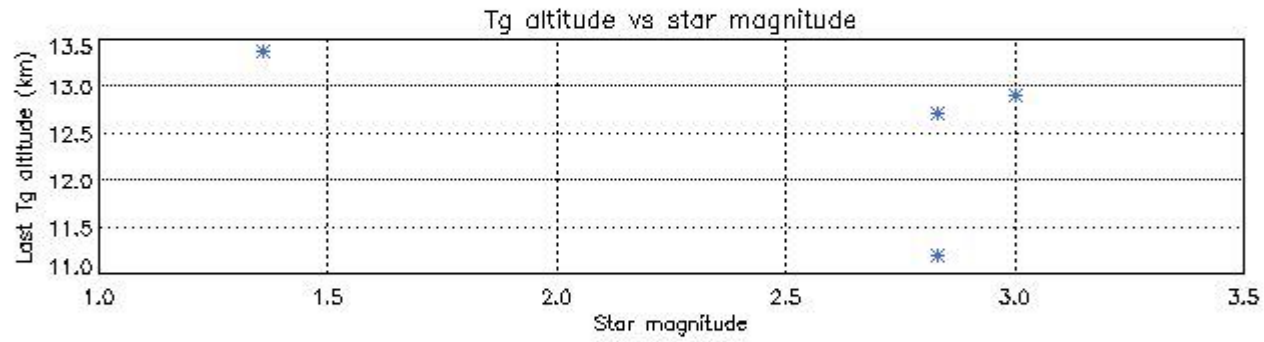
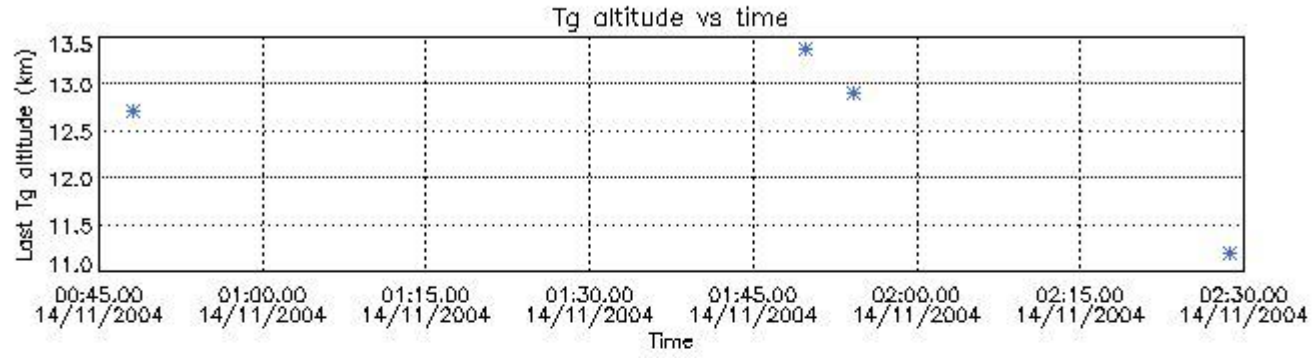
Tangent altitude at which the star is lost



6.3 Plot for TWILIGHT limb products



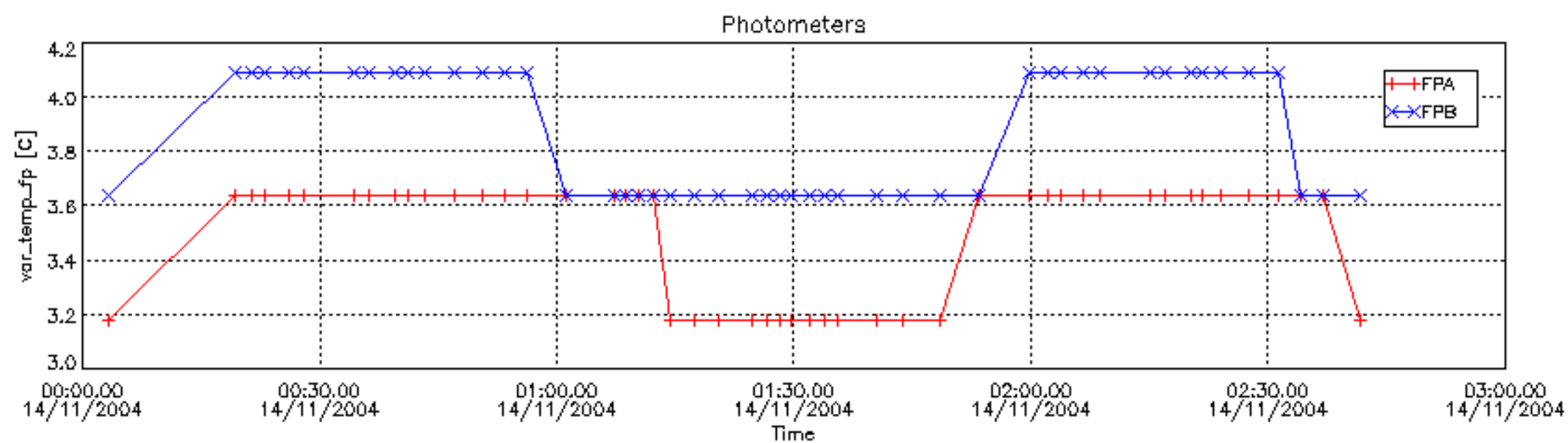
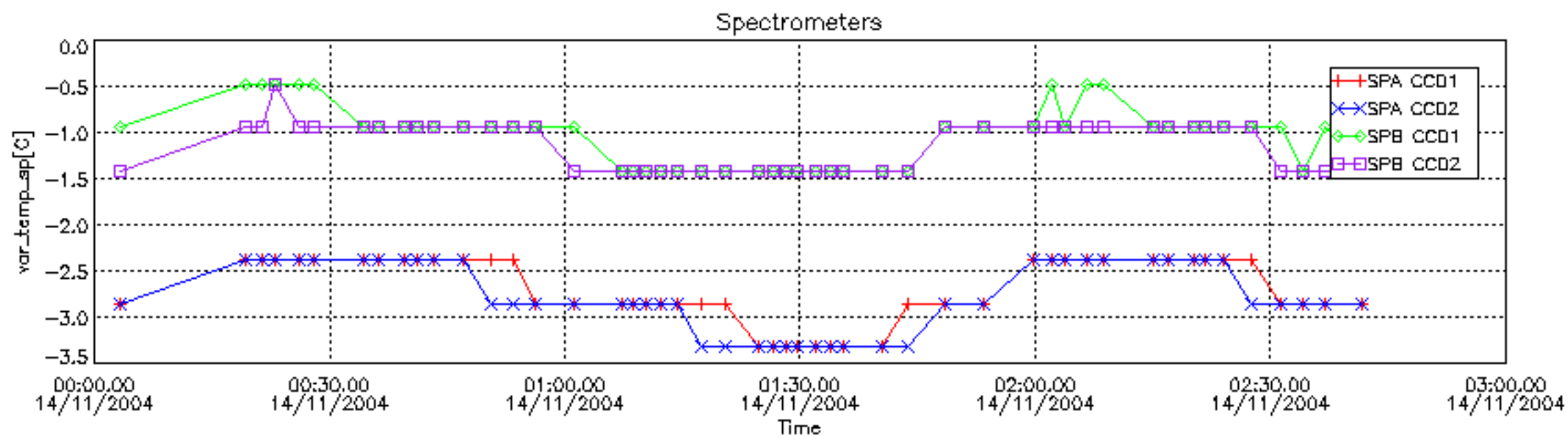
Tangent altitude at which the star is lost

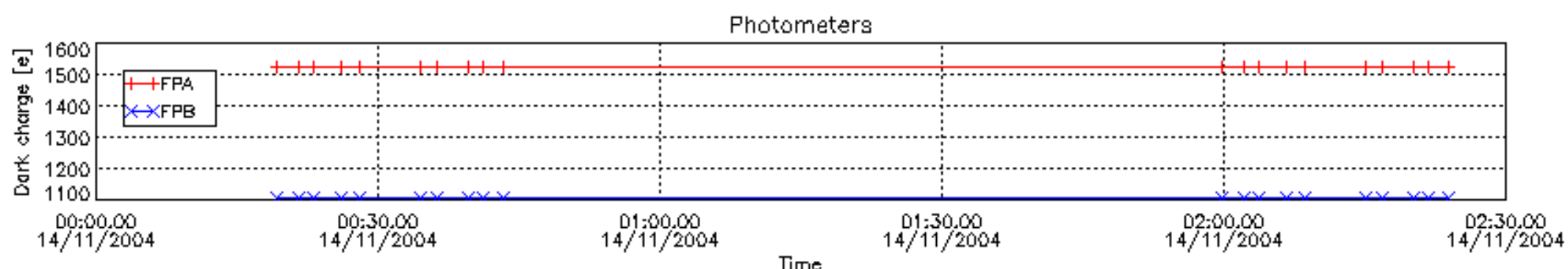
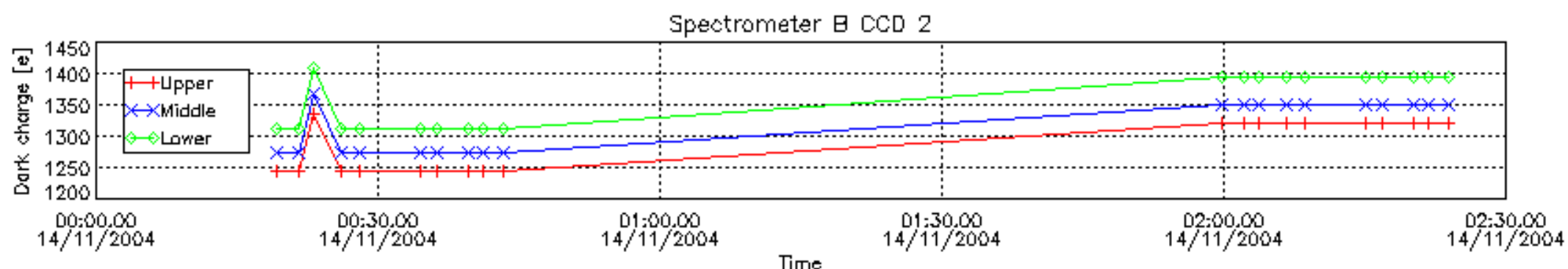
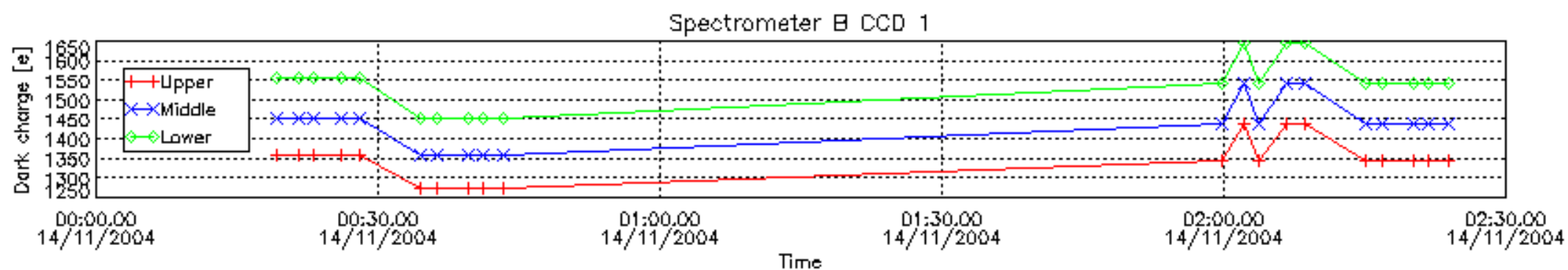
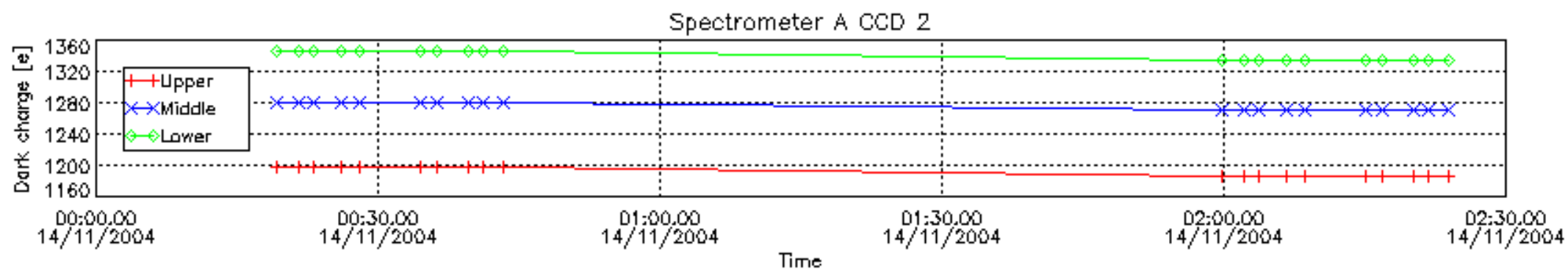
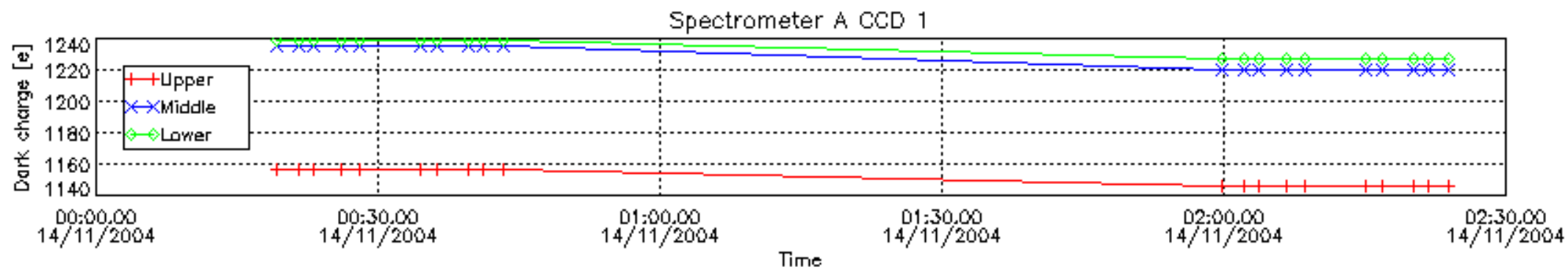


7. Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

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 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.

Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	1461.2	1447.3	1461.8	1448.6
St. deviation:	6.5102	6.7837	6.5905	8.6293
Maximum:	1503.0	1485.0	1525.0	1961.0
Minimum:	1424.0	1407.0	1427.0	1411.0
Number of data:	23600.	23600.	29700.	29700.

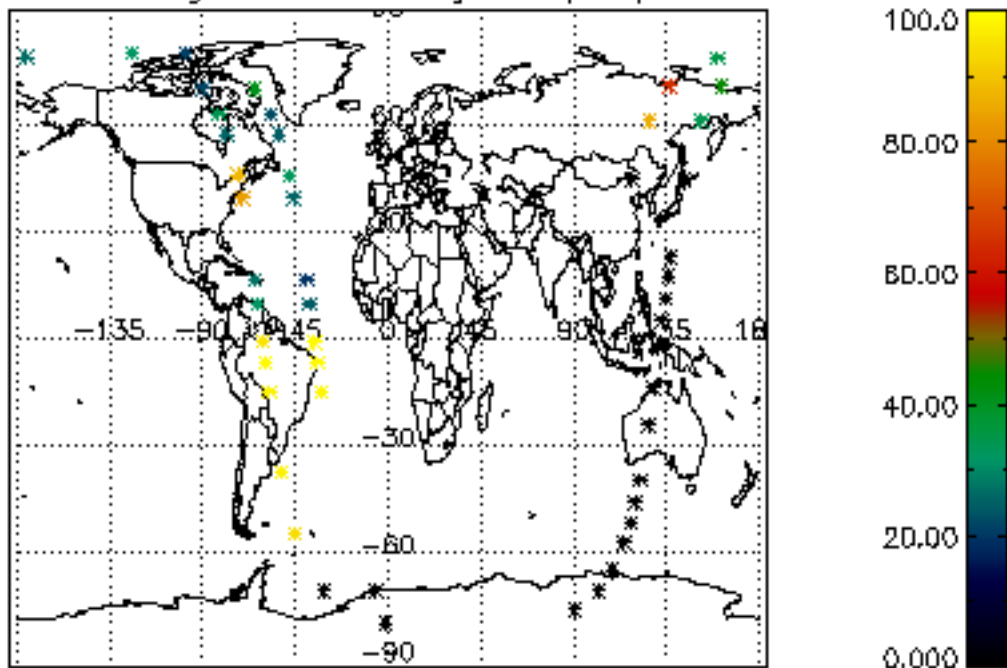




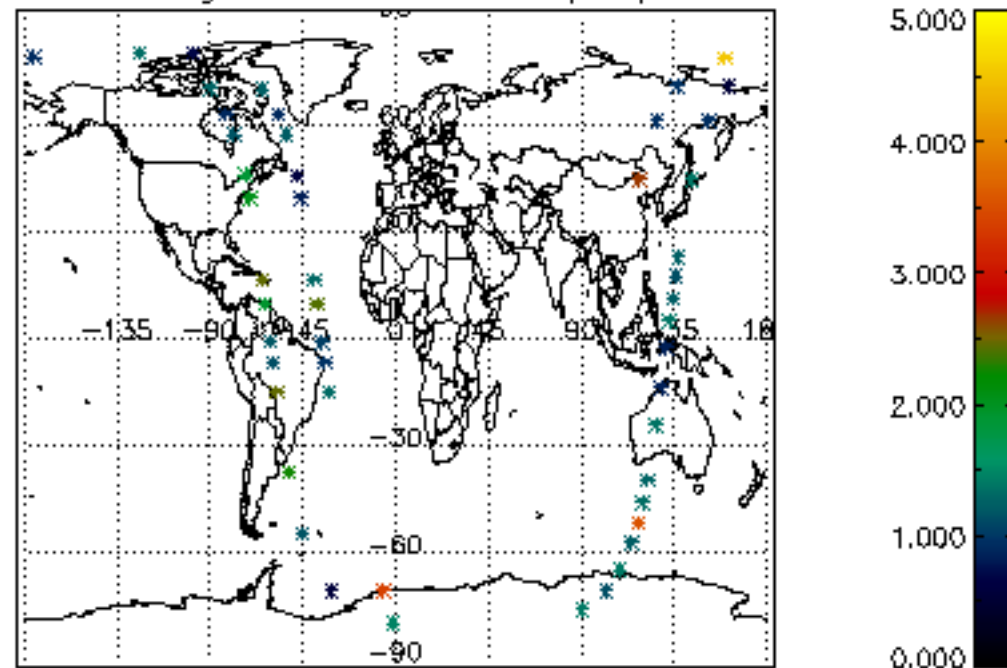




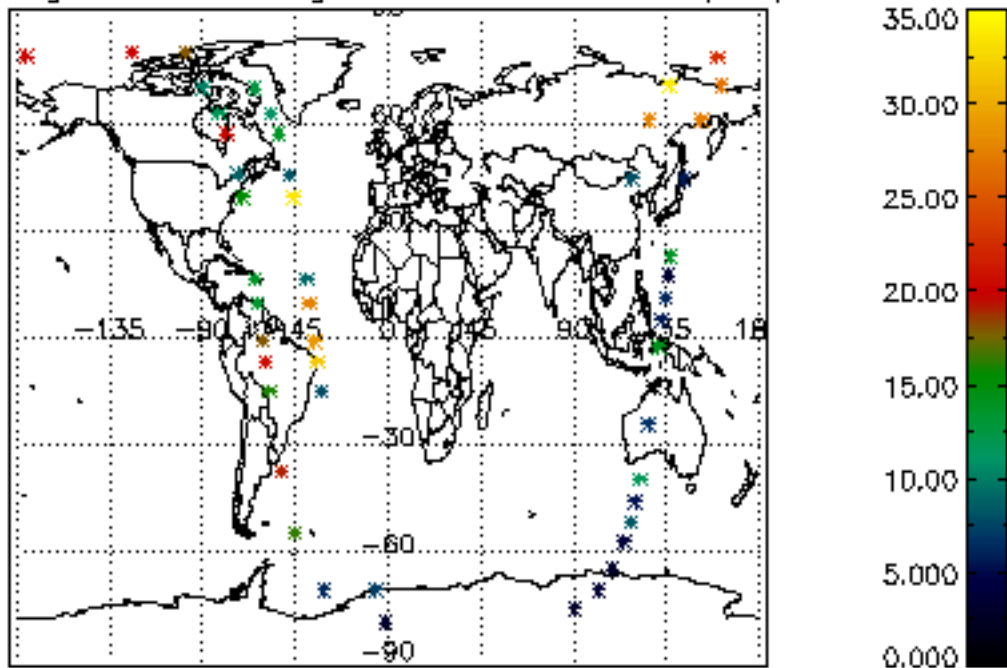
Percentage of cosmic ray hits per profile



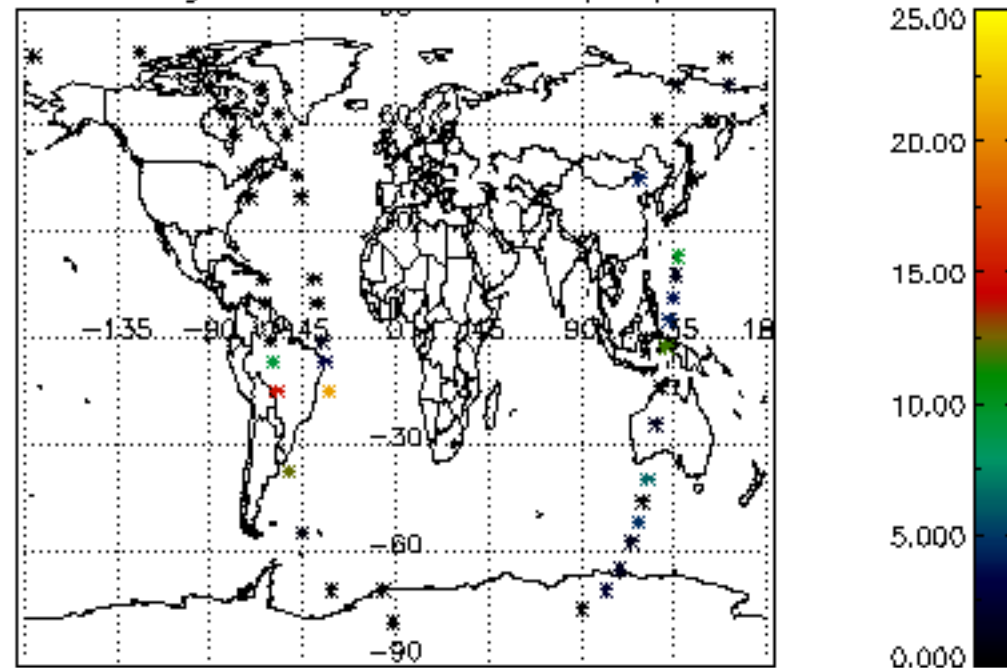
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

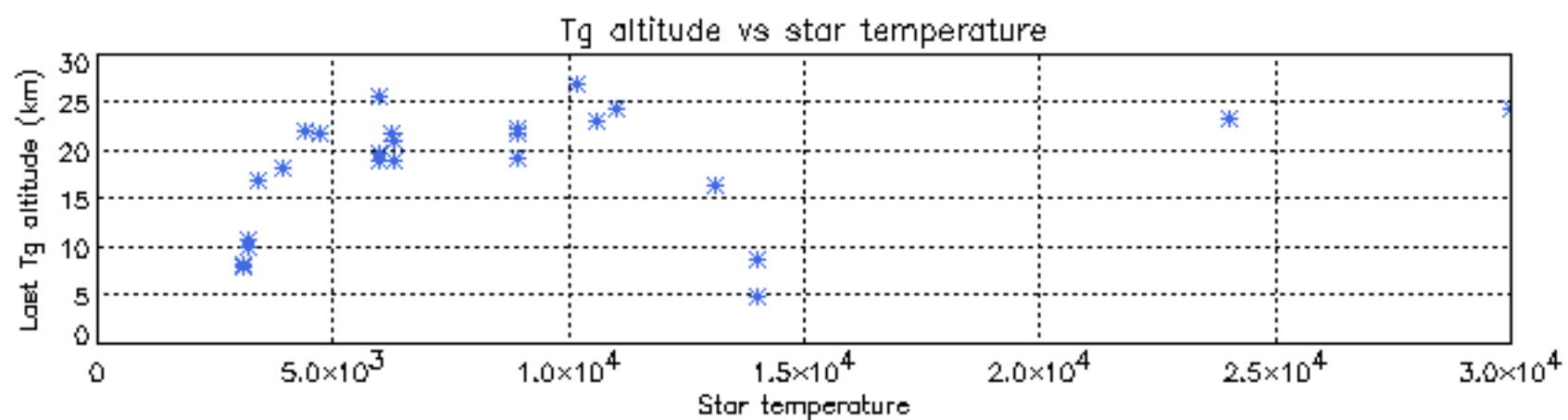
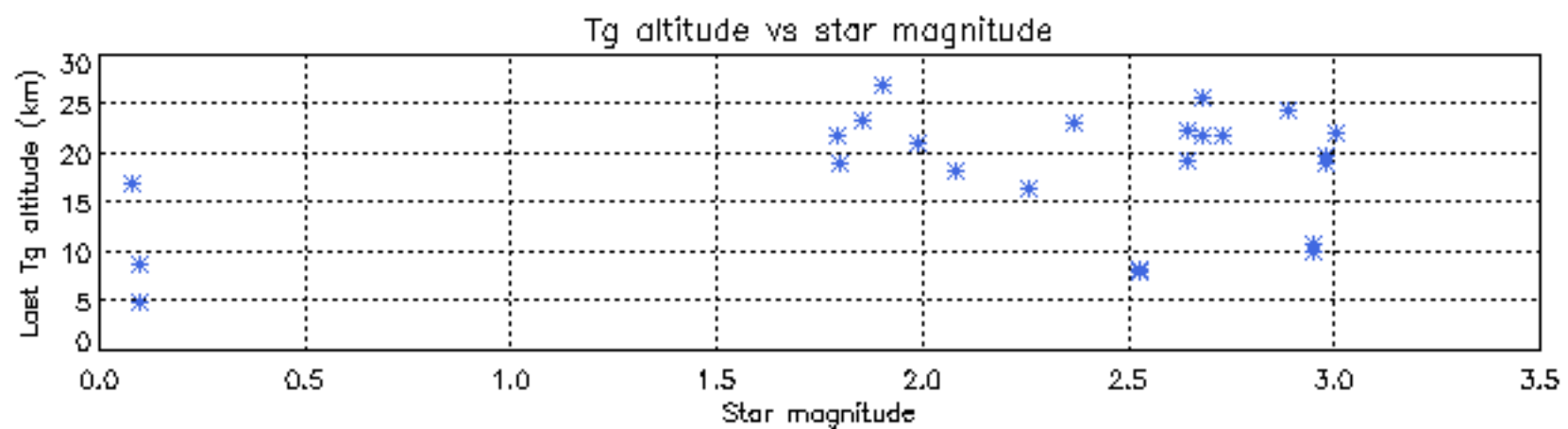
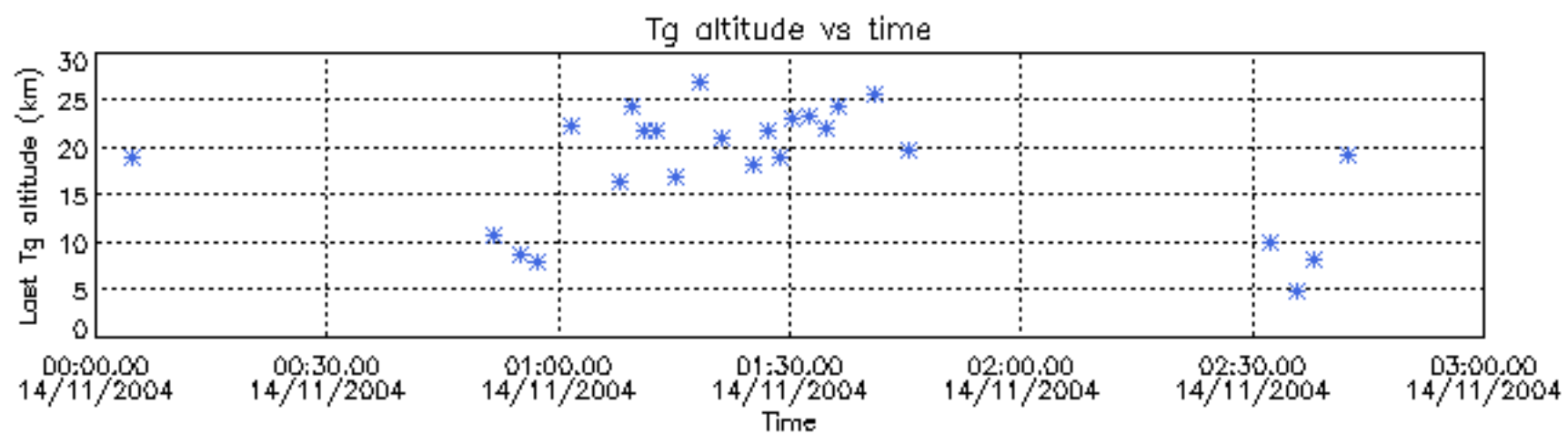


Percentage of saturation errors per profile

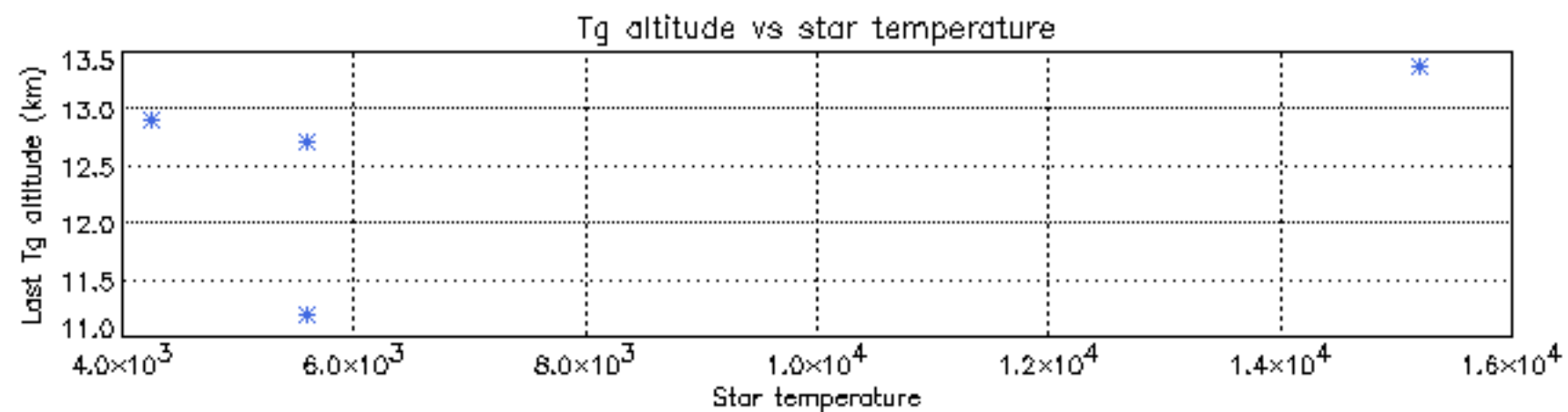
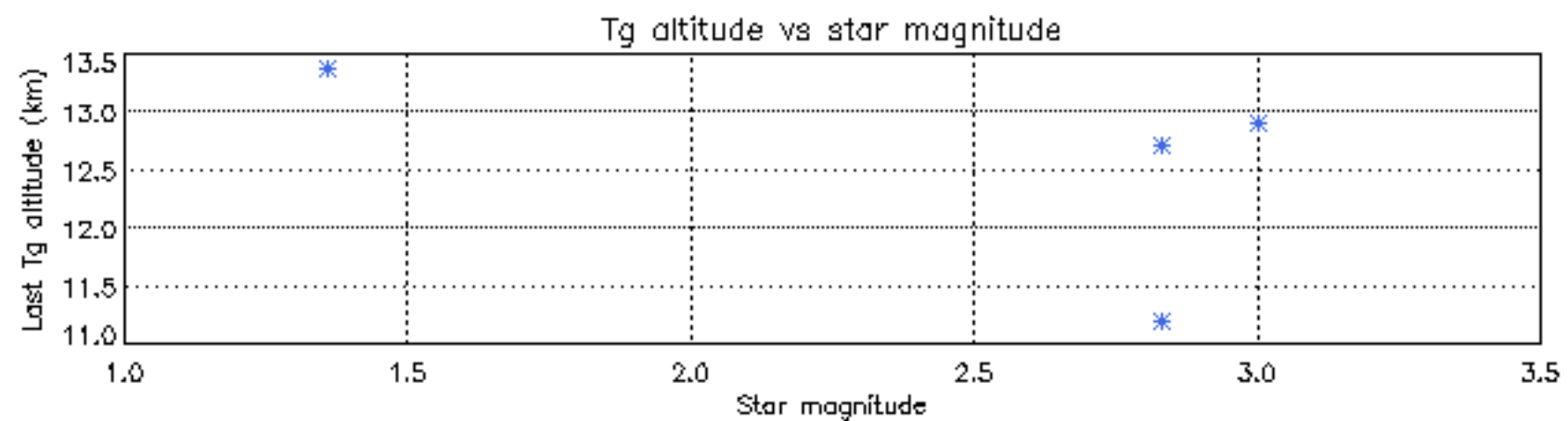
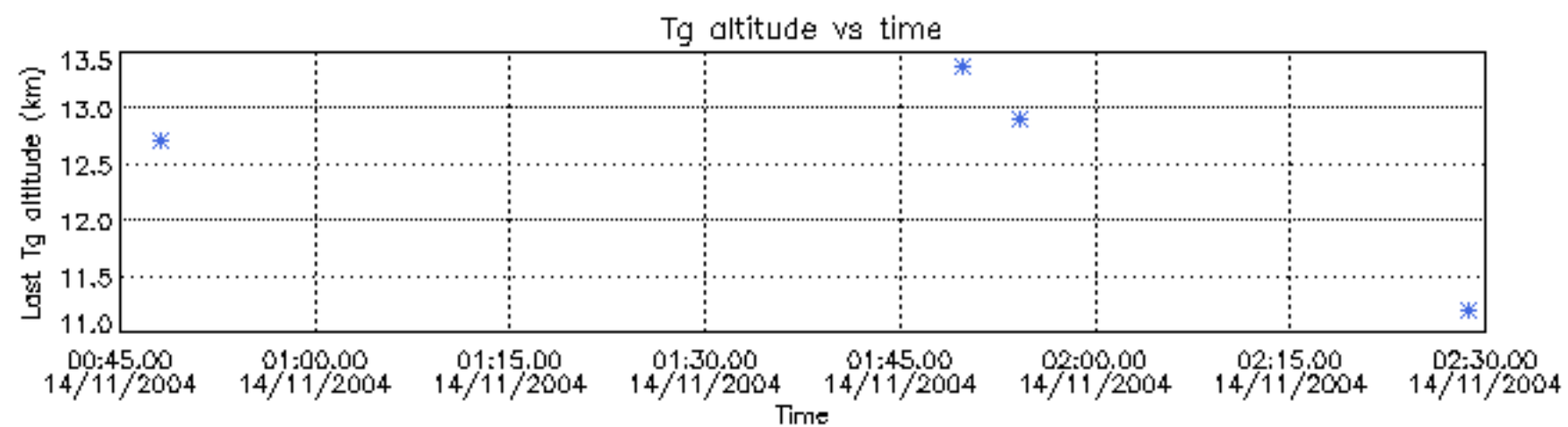




Tangent altitude at which the star is lost



Tangent altitude at which the star is lost





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8;-3313.3; 13-NOV-2004 11:43:58; Bright; 45.5; 149; 45Eps Per ; 2.89; 30000;occ; 91; 0;14148
9;-3211.8; 13-NOV-2004 11:45:39; Bright; 42.0; 35; 33Alp Per ; 1.79; 6250;occ; 84; 0;14148
10;-3108.5; 13-NOV-2004 11:47:23; Bright; 39.0; 110; 37Del Cas ; 2.68; 8900;occ; 78; 0;14148
11;-2972.3; 13-NOV-2004 11:49:39; Bright; 59.5; 6; 13Alp Aur ; 0.08; 3400;occ; 119; 0;14148
12;-2780.5; 13-NOV-2004 11:52:51; Bright; 65.5; 42; 34Bet Aur ; 1.90; 10200;occ; 131; 0;14148
13;-2615.7; 13-NOV-2004 11:55:35; Bright; 38.0; 49; 1Alp UMi ; 1.99; 6300;occ; 76; 0;14148
14;-2357.5; 13-NOV-2004 11:59:54; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;14148
15;-2249.8; 13-NOV-2004 12:01:41; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;14148
16;-2150.8; 13-NOV-2004 12:03:20; Bright; 43.5; 36; 50Alp UMa ; 1.80; 6300;occ; 87; 0;14148
17;-2052.6; 13-NOV-2004 12:04:58; Bright; 43.0; 82; 48Bet UMa ; 2.37; 10600;occ; 86; 0;14148
18;-1921.1; 13-NOV-2004 12:07:10; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;14148
19;-1812.4; 13-NOV-2004 12:08:59; Bright; 42.0; 174; 52Psi UMa ; 3.00; 4400;occ; 84; 0;14148
20;-1711.6; 13-NOV-2004 12:10:39; Bright; 38.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 76; 0;14148
21;-1409.5; 13-NOV-2004 12:15:42; Bright; 33.5; 111; 8Eta Boo ; 2.68; 6000;occ; 67; 0;14148
22;-1218.2; 13-NOV-2004 12:18:53; Bright; 90.5; 166; 17Eps Leo ; 2.98; 6000;occ; 181; 0;14148
23; -938.7; 13-NOV-2004 12:23:32; Dark ; 82.0; 22; 32Alp Leo ; 1.36; 15200;occ; 164; 0;14148
24; -724.3; 13-NOV-2004 12:27:07; Dark ; 41.5; 100; 4Gam Crv ; 2.58; 13100;occ; 83; 0;14148
25; -633.2; 13-NOV-2004 12:28:38; Dark ; 43.5; 171; 2Eps Crv ; 3.00; 4250;occ; 87; 0;14148
26; -252.4; 13-NOV-2004 12:34:59; Dark ; 42.0; 64; Gam Cen ; 2.20; 10600;occ; 84; 0;14148
27; -115.0; 13-NOV-2004 12:37:16; Dark ; 52.0; 26; Gam Cru ; 1.62; 2900;occ; 104; 0;14148
28; -16.9; 13-NOV-2004 12:38:54; Dark ; 39.5; 12; Alp1Cru ; 0.77; 30000;occ; 79; 0;14148
29; 100.5; 13-NOV-2004 12:40:52; Dark ; 39.0; 124; The Car ; 2.76; 30000;occ; 78; 0;14149
30; 204.1; 13-NOV-2004 12:42:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14149
31; 328.1; 13-NOV-2004 12:44:39; Dark ; 47.0; 41; Eps Car ; 1.86; 4100;occ; 94; 0;14149
32; 422.9; 13-NOV-2004 12:46:14; Dark ; 56.5; 70; Zet Pup ; 2.25; 39000;occ; 113; 0;14149
33; 656.4; 13-NOV-2004 12:50:07; Dark ; 61.0; 2; Alp Car ; -0.74; 7000;occ; 122; 0;14149
34; 760.3; 13-NOV-2004 12:51:51; Dark ; 79.5; 88; 31Eta CMA ; 2.45; 20000;occ; 159; 0;14149
35; 966.6; 13-NOV-2004 12:55:18; Dark ; 41.0; 9; Alp Eri ; 0.45; 24000;occ; 82; 0;14149
36; 1192.5; 13-NOV-2004 12:59:04; Dark ; 40.5; 157; The1Eri ; 2.91; 9300;occ; 81; 0;14149
37; 1491.4; 13-NOV-2004 13:04:02; Dark ; 50.0; 1; 9Alp CMA ; -1.44; 11000;occ; 100; 0;14149
/nas1/ENVISAT/GOMOS/from_DDS/GOM_NL__0PNPDK20041113_130402_000057762032_00067_14149_1365.N1
1;-4544.6; 13-NOV-2004 13:04:02; Dark ; 213.0; 1; 9Alp CMA ; -1.44; 11000;occ; 426; 0;14149
2;-4231.3; 13-NOV-2004 13:09:16; Dark ; 92.0; 7; 19Bet Ori ; 0.10; 14000;occ; 184; 0;14149
3;-4061.5; 13-NOV-2004 13:12:05; Dark ; 50.5; 94; 92Alp Cet ; 2.53; 3100;occ; 101; 0;14149
4;-3775.2; 13-NOV-2004 13:16:52; Bright; 39.5; 105; 6Bet Ari ; 2.64; 8900;occ; 79; 0;14149
5;-3626.1; 13-NOV-2004 13:19:21; Bright; 47.0; 146; 25Eta Tau ; 2.87; 15200;occ; 94; 0;14149
6;-3511.9; 13-NOV-2004 13:21:15; Bright; 38.5; 53; 43Bet And ; 2.05; 3300;occ; 77; 0;14149
7;-3408.7; 13-NOV-2004 13:22:58; Bright; 37.0; 73; 57Gam1And ; 2.26; 13100;occ; 74; 0;14149
8;-3315.7; 13-NOV-2004 13:24:31; Bright; 47.0; 149; 45Eps Per ; 2.89; 30000;occ; 94; 0;14149
9;-3211.8; 13-NOV-2004 13:26:15; Bright; 43.5; 35; 33Alp Per ; 1.79; 6250;occ; 87; 0;14149
10;-3110.3; 13-NOV-2004 13:27:57; Bright; 39.5; 110; 37Del Cas ; 2.68; 8900;occ; 79; 0;14149
11;-2973.4; 13-NOV-2004 13:30:14; Bright; 58.0; 6; 13Alp Aur ; 0.08; 3400;occ; 116; 0;14149
12;-2782.2; 13-NOV-2004 13:33:25; Bright; 59.5; 42; 34Bet Aur ; 1.90; 10200;occ; 119; 0;14149
13;-2357.4; 13-NOV-2004 13:40:30; Bright; 37.5; 60; 7Bet UMi ; 2.08; 3950;occ; 75; 0;14149

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14;-2249.7; 13-NOV-2004 13:42:17; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;14149  
 15;-2151.0; 13-NOV-2004 13:43:56; Bright; 43.0; 36; 50Alp UMA ; 1.80; 6300;occ; 86; 0;14149  
 16;-2052.7; 13-NOV-2004 13:45:34; Bright; 43.5; 82; 48Bet UMA ; 2.37; 10600;occ; 87; 0;14149  
 17;-1921.3; 13-NOV-2004 13:47:46; Bright; 38.0; 39; 85Eta UMA ; 1.85; 24000;occ; 76; 0;14149  
 18;-1812.4; 13-NOV-2004 13:49:35; Bright; 45.5; 174; 52Psi UMA ; 3.00; 4400;occ; 91; 0;14149  
 19;-1711.5; 13-NOV-2004 13:51:15; Bright; 37.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 74; 0;14149  
 20;-1409.6; 13-NOV-2004 13:56:17; Bright; 34.5; 111; 8Eta Boo ; 2.68; 6000;occ; 69; 0;14149  
 21;-1217.2; 13-NOV-2004 13:59:30; Bright; 88.0; 166; 17Eps Leo ; 2.98; 6000;occ; 176; 0;14149  
 22; -937.5; 13-NOV-2004 14:04:09; Dark ; 85.5; 22; 32Alp Leo ; 1.36; 15200;occ; 171; 0;14149  
 23; -724.6; 13-NOV-2004 14:07:42; Dark ; 44.5; 100; 4Gam Crv ; 2.58; 13100;occ; 89; 0;14149  
 24; -633.5; 13-NOV-2004 14:09:13; Dark ; 49.5; 171; 2Eps Crv ; 3.00; 4250;occ; 99; 0;14149  
 25; -252.5; 13-NOV-2004 14:15:34; Dark ; 42.5; 64; Gam Cen ; 2.20; 10600;occ; 85; 0;14149  
 26; -115.2; 13-NOV-2004 14:17:52; Dark ; 52.0; 26; Gam Cru ; 1.62; 2900;occ; 104; 0;14149  
 27; -17.2; 13-NOV-2004 14:19:30; Dark ; 46.5; 12; Alp1Cru ; 0.77; 30000;occ; 93; 0;14149  
 28; 101.0; 13-NOV-2004 14:21:28; Dark ; 39.5; 124; The Car ; 2.76; 30000;occ; 79; 0;14150  
 29; 204.3; 13-NOV-2004 14:23:11; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14150  
 30; 328.1; 13-NOV-2004 14:25:15; Dark ; 47.0; 41; Eps Car ; 1.86; 4100;occ; 94; 0;14150  
 31; 423.5; 13-NOV-2004 14:26:51; Dark ; 55.5; 70; Zet Pup ; 2.25; 39000;occ; 111; 0;14150  
 32; 657.1; 13-NOV-2004 14:30:44; Dark ; 61.0; 2; Alp Car ; -0.74; 7000;occ; 122; 0;14150  
 33; 761.6; 13-NOV-2004 14:32:29; Dark ; 81.5; 88; 31Eta CMA ; 2.45; 20000;occ; 163; 0;14150  
 34; 967.1; 13-NOV-2004 14:35:54; Dark ; 44.5; 9; Alp Eri ; 0.45; 24000;occ; 89; 0;14150  
 35; 1192.8; 13-NOV-2004 14:39:40; Dark ; 40.0; 157; The1Eri ; 2.91; 9300;occ; 80; 0;14150

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(corrupted file due to acquisition failures)

Problem occurred when reading packet number 2145!

1; 967.2; 13-NOV-2004 19:37:42; Dark ; 42.5; 9; Alp Eri ; 0.45; 24000;occ; 85; 0;14153  
 2; 1193.1; 13-NOV-2004 19:41:28; Dark ; 41.0; 157; The1Eri ; 2.91; 9300;occ; 82; 1;14153  
 3; 1492.1; 13-NOV-2004 19:46:27; Dark ; 213.0; 1; 9Alp CMA ; -1.44; 11000;occ; 426; 1;14153  
 4; 1802.6; 13-NOV-2004 19:51:38; Dark ; 92.0; 7; 19Bet Ori ; 0.10; 14000;occ; 184; 0;14153  
 5; 1974.7; 13-NOV-2004 19:54:30; Dark ; 51.0; 94; 92Alp Cet ; 2.53; 3100;occ; 102; 0;14153  
 6; 2260.3; 13-NOV-2004 19:59:15; Bright; 38.5; 105; 6Bet Ari ; 2.64; 8900;occ; 77; 0;14153  
 7; 2407.3; 13-NOV-2004 20:01:42; Bright; 47.5; 146; 25Eta Tau ; 2.87; 15200;occ; 95; 0;14153  
 8; 2523.5; 13-NOV-2004 20:03:39; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;14153  
 9; 2627.0; 13-NOV-2004 20:05:22; Bright; 40.0; 73; 57Gam1And ; 2.26; 13100;occ; 80; 0;14153  
 10; 2719.3; 13-NOV-2004 20:06:54; Bright; 45.5; 149; 45Eps Per ; 2.89; 30000;occ; 91; 0;14153  
 11; 2822.4; 13-NOV-2004 20:08:37; Bright; 41.0; 35; 33Alp Per ; 1.79; 6250;occ; 82; 0;14153  
 12; 2927.3; 13-NOV-2004 20:10:22; Bright; 36.0; 110; 37Del Cas ; 2.68; 8900;occ; 72; 0;14153  
 13; 3058.0; 13-NOV-2004 20:12:33; Bright; 60.5; 6; 13Alp Aur ; 0.08; 3400;occ; 121; 0;14153  
 14; 3247.8; 13-NOV-2004 20:15:43; Bright; 65.0; 42; 34Bet Aur ; 1.90; 10200;occ; 130; 0;14153  
 15; 3419.4; 13-NOV-2004 20:18:34; Bright; 40.5; 49; 1Alp UMi ; 1.99; 6300;occ; 81; 0;14153  
 16; 3678.4; 13-NOV-2004 20:22:53; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;14153  
 17; 3787.2; 13-NOV-2004 20:24:42; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;14153  
 18; 3883.7; 13-NOV-2004 20:26:19; Bright; 45.5; 36; 50Alp UMA ; 1.80; 6300;occ; 91; 0;14153  
 19; 3982.4; 13-NOV-2004 20:27:57; Bright; 43.0; 82; 48Bet UMA ; 2.37; 10600;occ; 86; 0;14153  
 20; 4115.1; 13-NOV-2004 20:30:10; Bright; 36.0; 39; 85Eta UMA ; 1.85; 24000;occ; 72; 1;14153  
 21; 4222.8; 13-NOV-2004 20:31:58; Bright; 44.5; 174; 52Psi UMA ; 3.00; 4400;occ; 89; 0;14153  
 22; 4324.5; 13-NOV-2004 20:33:40; Bright; 36.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 72; 0;14153  
 23; 4626.3; 13-NOV-2004 20:38:41; Bright; 35.5; 111; 8Eta Boo ; 2.68; 6000;occ; 71; 0;14153  
 24; 4822.3; 13-NOV-2004 20:41:57; Bright; 90.0; 166; 17Eps Leo ; 2.98; 6000;occ; 180; 0;14153  
 25; 5103.1; 13-NOV-2004 20:46:38; Dark ; 7.5; 22; 32Alp Leo ; 1.36; 15200;occ; 15; 0;14153

/nas1/ENVISAT/GOMOS/from\_DDS/GOM\_NL\_\_0PNPDE20041113\_204638\_000061192032\_00071\_14153\_1104.N1

(corrupted file due to acquisition failures)

1; -932.8; 13-NOV-2004 20:46:38; Dark ; 91.0; 22; 32Alp Leo ; 1.36; 15200;occ; 182; 4;14153  
 2; -723.1; 13-NOV-2004 20:50:08; Dark ; 44.0; 100; 4Gam Crv ; 2.58; 13100;occ; 88; 5;14153  
 3; -634.1; 13-NOV-2004 20:51:37; Dark ; 49.5; 171; 2Eps Crv ; 3.00; 4250;occ; 99; 4;14153  
 4; -252.2; 13-NOV-2004 20:57:59; Dark ; 38.5; 64; Gam Cen ; 2.20; 10600;occ; 77; 3;14153  
 5; -114.0; 13-NOV-2004 21:00:17; Dark ; 43.0; 26; Gam Cru ; 1.62; 2900;occ; 86; 2;14153  
 6; 102.7; 13-NOV-2004 21:03:54; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 3;14154  
 7; 205.3; 13-NOV-2004 21:05:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 4;14154  
 8; 331.0; 13-NOV-2004 21:07:42; Dark ; 45.0; 41; Eps Car ; 1.86; 4100;occ; 90; 2;14154  
 9; 428.8; 13-NOV-2004 21:09:20; Dark ; 57.5; 70; Zet Pup ; 2.25; 39000;occ; 115; 3;14154  
 10; 660.2; 13-NOV-2004 21:13:11; Dark ; 61.0; 2; Alp Car ; -0.74; 7000;occ; 122; 6;14154  
 11; 767.5; 13-NOV-2004 21:14:58; Dark ; 84.0; 88; 31Eta CMA ; 2.45; 20000;occ; 168; 1;14154  
 12; 967.6; 13-NOV-2004 21:18:19; Dark ; 46.5; 9; Alp Eri ; 0.45; 24000;occ; 93; 5;14154  
 13; 1194.3; 13-NOV-2004 21:22:05; Dark ; 39.5; 157; The1Eri ; 2.91; 9300;occ; 79; 4;14154  
 14; 1492.6; 13-NOV-2004 21:27:04; Dark ; 213.0; 1; 9Alp CMA ; -1.44; 11000;occ; 426; 17;14154  
 15; 1802.5; 13-NOV-2004 21:32:13; Dark ; 97.5; 7; 19Bet Ori ; 0.10; 14000;occ; 195; 8;14154  
 16; 1974.6; 13-NOV-2004 21:35:06; Dark ; 50.0; 94; 92Alp Cet ; 2.53; 3100;occ; 100; 2;14154



17; 2260.8; 13-NOV-2004 21:39:52; Bright; 38.0; 105; 6Bet Ari ; 2.64; 8900;occ; 76; 3;14154  
 18; 2407.5; 13-NOV-2004 21:42:18; Bright; 44.5; 146; 25Eta Tau ; 2.87; 15200;occ; 89; 7;14154  
 19; 2524.7; 13-NOV-2004 21:44:16; Bright; 37.0; 53; 43Bet And ; 2.05; 3300;occ; 74; 2;14154  
 20; 2626.9; 13-NOV-2004 21:45:58; Bright; 40.5; 73; 57Gam1And ; 2.26; 13100;occ; 81; 6;14154  
 21; 2719.7; 13-NOV-2004 21:47:31; Bright; 43.5; 149; 45Eps Per ; 2.89; 30000;occ; 87; 5;14154  
 22; 2822.1; 13-NOV-2004 21:49:13; Bright; 43.5; 35; 33Alp Per ; 1.79; 6250;occ; 87; 1;14154  
 23; 2928.5; 13-NOV-2004 21:50:59; Bright; 35.0; 110; 37Del Cas ; 2.68; 8900;occ; 70; 0;14154  
 24; 3057.2; 13-NOV-2004 21:53:08; Bright; 57.5; 6; 13Alp Aur ; 0.08; 3400;occ; 115; 0;14154  
 25; 3246.4; 13-NOV-2004 21:56:17; Bright; 62.5; 42; 34Bet Aur ; 1.90; 10200;occ; 125; 3;14154  
 26; 3420.5; 13-NOV-2004 21:59:11; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 3;14154  
 27; 3679.1; 13-NOV-2004 22:03:30; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 3;14154  
 28; 3788.1; 13-NOV-2004 22:05:19; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 2;14154  
 29; 3884.0; 13-NOV-2004 22:06:55; Bright; 43.0; 36; 50Alp UMA ; 1.80; 6300;occ; 86; 5;14154  
 30; 3982.5; 13-NOV-2004 22:08:33; Bright; 42.0; 82; 48Bet UMA ; 2.37; 10600;occ; 84; 2;14154  
 31; 4115.6; 13-NOV-2004 22:10:47; Bright; 36.5; 39; 85Eta UMA ; 1.85; 24000;occ; 73; 5;14154  
 32; 4222.9; 13-NOV-2004 22:12:34; Bright; 45.0; 174; 52Psi UMA ; 3.00; 4400;occ; 90; 3;14154  
 33; 4325.3; 13-NOV-2004 22:14:16; Bright; 36.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 72; 3;14154  
 34; 4627.1; 13-NOV-2004 22:19:18; Bright; 35.0; 111; 8Eta Boo ; 2.68; 6000;occ; 70; 3;14154  
 35; 4823.2; 13-NOV-2004 22:22:34; Bright; 88.5; 166; 17Eps Leo ; 2.98; 6000;occ; 177; 3;14154  
 36; 5104.5; 13-NOV-2004 22:27:15; Dark ; 82.5; 22; 32Alp Leo ; 1.36; 15200;occ; 165; 12;14154

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(corrupted file due to acquisition failures)

Problem occurred when reading packet number 671!

1; -854.9; 13-NOV-2004 22:28:32; Dark ; 83.0; 22; 32Alp Leo ; 1.36; 15200;occ; 166; 154;14154  
 2; -722.0; 13-NOV-2004 22:30:45; Dark ; 43.5; 100; 4Gam Crv ; 2.58; 13100;occ; 87; 1;14154  
 3; -630.9; 13-NOV-2004 22:32:16; Dark ; 47.5; 171; 2Eps Crv ; 3.00; 4250;occ; 95; 0;14154  
 4; -251.2; 13-NOV-2004 22:38:36; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 2;14154  
 5; -114.0; 13-NOV-2004 22:40:53; Dark ; 44.5; 26; Gam Cru ; 1.62; 2900;occ; 89; 2;14154  
 6; 158.7; 13-NOV-2004 22:45:26; Dark ; 51.5; 65; Lam Vel ; 2.20; 4400;occ; 103; 0;14155  
 7; 274.9; 13-NOV-2004 22:47:22; Dark ; 47.5; 29; Bet Car ; 1.67; 10200;occ; 95; 2;14155  
 8; 399.1; 13-NOV-2004 22:49:26; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 2;14155  
 9; 661.2; 13-NOV-2004 22:53:48; Dark ; 49.5; 2; Alp Car ; -0.74; 7000;occ; 99; 2;14155  
 10; 769.9; 13-NOV-2004 22:55:37; Dark ; 79.5; 88; 31Eta CMa ; 2.45; 20000;occ; 159; 4;14155  
 11; 967.7; 13-NOV-2004 22:58:55; Dark ; 44.0; 9; Alp Eri ; 0.45; 24000;occ; 88; 2;14155  
 12; 1064.1; 13-NOV-2004 23:00:31; Dark ; 57.5; 108; Alp Col ; 2.65; 15200;occ; 115; 2;14155  
 13; 1194.6; 13-NOV-2004 23:02:41; Dark ; 40.5; 157; The1Eri ; 2.91; 9300;occ; 81; 2;14155  
 14; 1412.7; 13-NOV-2004 23:06:20; Dark ; 70.0; 139; 9Bet Lep ; 2.83; 5600;occ; 140; 3;14155  
 15; 1637.2; 13-NOV-2004 23:10:04; Dark ; 56.5; 165; 34Gam Eri ; 2.95; 3200;occ; 113; 3;14155  
 16; 1802.0; 13-NOV-2004 23:12:49; Dark ; 100.0; 7; 19Bet Ori ; 0.10; 14000;occ; 200; 6;14155  
 17; 1975.2; 13-NOV-2004 23:15:42; Dark ; 52.5; 94; 92Alp Cet ; 2.53; 3100;occ; 105; 3;14155  
 18; 2260.9; 13-NOV-2004 23:20:28; Bright; 38.0; 105; 6Bet Ari ; 2.64; 8900;occ; 76; 0;14155  
 19; 2627.5; 13-NOV-2004 23:26:34; Bright; 38.5; 73; 57Gam1And ; 2.26; 13100;occ; 77; 3;14155  
 20; 2719.2; 13-NOV-2004 23:28:06; Bright; 44.0; 149; 45Eps Per ; 2.89; 30000;occ; 88; 0;14155  
 21; 2821.7; 13-NOV-2004 23:29:48; Bright; 41.0; 35; 33Alp Per ; 1.79; 6250;occ; 82; 7;14155  
 22; 2928.1; 13-NOV-2004 23:31:35; Bright; 37.5; 110; 37Del Cas ; 2.68; 8900;occ; 75; 2;14155  
 23; 3055.8; 13-NOV-2004 23:33:43; Bright; 58.5; 6; 13Alp Aur ; 0.08; 3400;occ; 117; 1;14155  
 24; 3245.2; 13-NOV-2004 23:36:52; Bright; 63.0; 42; 34Bet Aur ; 1.90; 10200;occ; 126; 4;14155  
 25; 3420.4; 13-NOV-2004 23:39:47; Bright; 36.0; 49; 1Alp UMi ; 1.99; 6300;occ; 72; 2;14155  
 26; 3679.2; 13-NOV-2004 23:44:06; Bright; 39.5; 60; 7Bet UMi ; 2.08; 3950;occ; 79; 1;14155  
 27; 3788.0; 13-NOV-2004 23:45:55; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 1;14155  
 28; 3883.7; 13-NOV-2004 23:47:31; Bright; 42.5; 36; 50Alp UMA ; 1.80; 6300;occ; 85; 3;14155  
 29; 3982.1; 13-NOV-2004 23:49:09; Bright; 41.5; 82; 48Bet UMA ; 2.37; 10600;occ; 83; 0;14155  
 30; 4115.8; 13-NOV-2004 23:51:23; Bright; 52.0; 39; 85Eta UMA ; 1.85; 24000;occ; 104; 3;14155  
 31; 4222.9; 13-NOV-2004 23:53:10; Bright; 45.0; 174; 52Psi UMA ; 3.00; 4400;occ; 90; 4;14155  
 32; 4324.9; 13-NOV-2004 23:54:52; Bright; 36.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 72; 1;14155  
 33; 4627.5; 13-NOV-2004 23:59:54; Bright; 35.0; 111; 8Eta Boo ; 2.68; 6000;occ; 70; 0;14155  
 34; 4824.0; 14-NOV-2004 00:03:11; Bright; 89.0; 166; 17Eps Leo ; 2.98; 6000;occ; 178; 4;14155  
 35; 5105.9; 14-NOV-2004 00:07:53; Dark ; 84.0; 22; 32Alp Leo ; 1.36; 15200;occ; 168; 6;14155

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 2; -4231.8; 13-NOV-2004 14:49:51; Dark ; 106.5; 7; 19Bet Ori ; 0.10; 14000;occ; 213; 0;14150  
 3; -4060.6; 13-NOV-2004 14:52:42; Dark ; 55.0; 94; 92Alp Cet ; 2.53; 3100;occ; 110; 0;14150  
 4; -3775.3; 13-NOV-2004 14:57:28; Bright; 40.0; 105; 6Bet Ari ; 2.64; 8900;occ; 80; 0;14150  
 5; -3626.5; 13-NOV-2004 14:59:57; Bright; 47.0; 146; 25Eta Tau ; 2.87; 15200;occ; 94; 0;14150  
 6; -3511.9; 13-NOV-2004 15:01:51; Bright; 39.0; 53; 43Bet And ; 2.05; 3300;occ; 78; 0;14150  
 7; -3408.1; 13-NOV-2004 15:03:35; Bright; 39.5; 73; 57Gam1And ; 2.26; 13100;occ; 79; 0;14150  
 8; -3313.5; 13-NOV-2004 15:05:09; Bright; 45.5; 149; 45Eps Per ; 2.89; 30000;occ; 91; 0;14150  
 9; -3211.8; 13-NOV-2004 15:06:51; Bright; 40.0; 35; 33Alp Per ; 1.79; 6250;occ; 80; 0;14150

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11;-2974.2; 13-NOV-2004 15:10:49; Bright; 67.5; 6; 13Alp Aur ; 0.08; 3400;occ; 135; 0;14150
12;-2783.5; 13-NOV-2004 15:14:00; Bright; 64.5; 42; 34Bet Aur ; 1.90; 10200;occ; 129; 0;14150
13;-2616.4; 13-NOV-2004 15:16:47; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;14150
14;-2356.8; 13-NOV-2004 15:21:06; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;14150
15;-2249.2; 13-NOV-2004 15:22:54; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;14150
16;-2151.2; 13-NOV-2004 15:24:32; Bright; 41.5; 36; 50Alp UMA ; 1.80; 6300;occ; 83; 0;14150
17;-2052.9; 13-NOV-2004 15:26:10; Bright; 42.0; 82; 48Bet UMA ; 2.37; 10600;occ; 84; 0;14150
18;-1920.5; 13-NOV-2004 15:28:22; Bright; 37.5; 39; 85Eta UMA ; 1.85; 24000;occ; 75; 0;14150
19;-1812.6; 13-NOV-2004 15:30:10; Bright; 42.0; 174; 52Psi UMA ; 3.00; 4400;occ; 84; 0;14150
20;-1711.4; 13-NOV-2004 15:31:52; Bright; 37.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 74; 0;14150
21;-1409.4; 13-NOV-2004 15:36:54; Bright; 34.5; 111; 8Eta Boo ; 2.68; 6000;occ; 69; 0;14150
22;-1216.1; 13-NOV-2004 15:40:07; Bright; 90.5; 166; 17Eps Leo ; 2.98; 6000;occ; 181; 0;14150
23;-936.5; 13-NOV-2004 15:44:46; Dark ; 84.5; 22; 32Alp Leo ; 1.36; 15200;occ; 169; 0;14150
24;-723.6; 13-NOV-2004 15:48:19; Dark ; 41.5; 100; 4Gam Crv ; 2.58; 13100;occ; 83; 0;14150
25;-633.0; 13-NOV-2004 15:49:50; Dark ; 44.0; 171; 2Eps Crv ; 3.00; 4250;occ; 88; 0;14150
26;-252.7; 13-NOV-2004 15:56:10; Dark ; 39.5; 64; Gam Cen ; 2.20; 10600;occ; 79; 0;14150
27;-114.5; 13-NOV-2004 15:58:29; Dark ; 52.0; 26; Gam Cru ; 1.62; 2900;occ; 104; 0;14150
28; 100.6; 13-NOV-2004 16:02:04; Dark ; 40.5; 124; The Car ; 2.76; 30000;occ; 81; 0;14151
29; 204.6; 13-NOV-2004 16:03:48; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14151
30; 328.7; 13-NOV-2004 16:05:52; Dark ; 45.5; 41; Eps Car ; 1.86; 4100;occ; 91; 0;14151
31; 424.1; 13-NOV-2004 16:07:27; Dark ; 59.0; 70; Zet Pup ; 2.25; 39000;occ; 118; 0;14151
32; 657.2; 13-NOV-2004 16:11:20; Dark ; 61.0; 2; Alp Car ; -0.74; 7000;occ; 122; 0;14151
33; 763.1; 13-NOV-2004 16:13:06; Dark ; 78.5; 88; 31Eta CMA ; 2.45; 20000;occ; 157; 0;14151
34; 967.1; 13-NOV-2004 16:16:30; Dark ; 51.5; 9; Alp Eri ; 0.45; 24000;occ; 103; 0;14151
35; 1192.7; 13-NOV-2004 16:20:16; Dark ; 26.5; 157; The1Eri ; 2.91; 9300;occ; 53; 0;14151
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3;-4232.8; 13-NOV-2004 16:30:26; Dark ; 108.0; 7; 19Bet Ori ; 0.10; 14000;occ; 216; 0;14151
4;-4061.8; 13-NOV-2004 16:33:17; Dark ; 52.0; 94; 92Alp Cet ; 2.53; 3100;occ; 104; 0;14151
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6;-3627.2; 13-NOV-2004 16:40:32; Bright; 47.0; 146; 25Eta Tau ; 2.87; 15200;occ; 94; 0;14151
7;-3512.7; 13-NOV-2004 16:42:26; Bright; 42.0; 53; 43Bet And ; 2.05; 3300;occ; 84; 0;14151
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9;-3315.2; 13-NOV-2004 16:45:44; Bright; 45.5; 149; 45Eps Per ; 2.89; 30000;occ; 91; 0;14151
10;-3212.7; 13-NOV-2004 16:47:26; Bright; 42.0; 35; 33Alp Per ; 1.79; 6250;occ; 84; 0;14151
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12;-2975.7; 13-NOV-2004 16:51:23; Bright; 58.0; 6; 13Alp Aur ; 0.08; 3400;occ; 116; 0;14151
13;-2784.9; 13-NOV-2004 16:54:34; Bright; 64.0; 42; 34Bet Aur ; 1.90; 10200;occ; 128; 0;14151
14;-2618.1; 13-NOV-2004 16:57:21; Bright; 40.5; 49; 1Alp UMi ; 1.99; 6300;occ; 81; 0;14151
15;-2357.8; 13-NOV-2004 17:01:41; Bright; 40.0; 60; 7Bet UMi ; 2.08; 3950;occ; 80; 0;14151
16;-2249.7; 13-NOV-2004 17:03:29; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;14151
17;-2152.5; 13-NOV-2004 17:05:07; Bright; 40.0; 36; 50Alp UMA ; 1.80; 6300;occ; 80; 0;14151
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21;-1712.2; 13-NOV-2004 17:12:27; Bright; 38.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 76; 0;14151
22;-1409.9; 13-NOV-2004 17:17:29; Bright; 35.0; 111; 8Eta Boo ; 2.68; 6000;occ; 70; 0;14151
23;-1215.6; 13-NOV-2004 17:20:43; Bright; 89.0; 166; 17Eps Leo ; 2.98; 6000;occ; 178; 0;14151
24;-935.5; 13-NOV-2004 17:25:24; Dark ; 85.0; 22; 32Alp Leo ; 1.36; 15200;occ; 170; 0;14151
25;-725.6; 13-NOV-2004 17:28:53; Dark ; 47.0; 100; 4Gam Crv ; 2.58; 13100;occ; 94; 0;14151
26;-632.6; 13-NOV-2004 17:30:26; Dark ; 41.5; 171; 2Eps Crv ; 3.00; 4250;occ; 83; 0;14151
27;-253.1; 13-NOV-2004 17:36:46; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 0;14151
28;-114.1; 13-NOV-2004 17:39:05; Dark ; 52.0; 26; Gam Cru ; 1.62; 2900;occ; 104; 0;14151
29; 101.1; 13-NOV-2004 17:42:40; Dark ; 39.5; 124; The Car ; 2.76; 30000;occ; 79; 0;14152
30; 204.8; 13-NOV-2004 17:44:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14152
31; 329.3; 13-NOV-2004 17:46:28; Dark ; 44.5; 41; Eps Car ; 1.86; 4100;occ; 89; 0;14152
32; 425.9; 13-NOV-2004 17:48:05; Dark ; 57.0; 70; Zet Pup ; 2.25; 39000;occ; 114; 0;14152
33; 657.8; 13-NOV-2004 17:51:57; Dark ; 55.0; 2; Alp Car ; -0.74; 7000;occ; 110; 0;14152
34; 764.7; 13-NOV-2004 17:53:44; Dark ; 81.5; 88; 31Eta CMA ; 2.45; 20000;occ; 163; 0;14152
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3;-4843.2; 13-NOV-2004 18:00:52; Dark ; 42.5; 157; The1Eri ; 2.91; 9300;occ; 85; 0;14152
4;-4544.1; 13-NOV-2004 18:05:51; Dark ; 213.0; 1; 9Alp CMA ; -1.44; 11000;occ; 426; 0;14152
5;-4233.2; 13-NOV-2004 18:11:02; Dark ; 95.0; 7; 19Bet Ori ; 0.10; 14000;occ; 190; 0;14152
6;-4063.6; 13-NOV-2004 18:13:51; Dark ; 54.5; 94; 92Alp Cet ; 2.53; 3100;occ; 109; 0;14152

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7;-3775.2; 13-NOV-2004 18:18:40; Bright; 38.5; 105; 6Bet Ari ; 2.64; 8900;occ; 77; 0;14152  
8;-3628.7; 13-NOV-2004 18:21:06; Bright; 48.0; 146; 25Eta Tau ; 2.87; 15200;occ; 96; 0;14152  
9;-3512.6; 13-NOV-2004 18:23:02; Bright; 40.5; 53; 43Bet And ; 2.05; 3300;occ; 81; 0;14152  
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11;-3315.9; 13-NOV-2004 18:26:19; Bright; 45.0; 149; 45Eps Per ; 2.89; 30000;occ; 90; 0;14152  
12;-3213.5; 13-NOV-2004 18:28:02; Bright; 41.0; 35; 33Alp Per ; 1.79; 6250;occ; 82; 0;14152  
13;-3107.9; 13-NOV-2004 18:29:47; Bright; 37.5; 110; 37Del Cas ; 2.68; 8900;occ; 75; 0;14152  
14;-2976.7; 13-NOV-2004 18:31:58; Bright; 66.5; 6; 13Alp Aur ; 0.08; 3400;occ; 133; 0;14152  
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16;-2618.2; 13-NOV-2004 18:37:57; Bright; 40.0; 49; 1Alp UMi ; 1.99; 6300;occ; 80; 0;14152  
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18;-2249.5; 13-NOV-2004 18:44:06; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;14152  
19;-2152.8; 13-NOV-2004 18:45:42; Bright; 44.0; 36; 50Alp UMA ; 1.80; 6300;occ; 88; 0;14152  
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21;-1921.0; 13-NOV-2004 18:49:34; Bright; 38.5; 39; 85Eta UMA ; 1.85; 24000;occ; 77; 0;14152  
22;-1813.8; 13-NOV-2004 18:51:21; Bright; 44.5; 174; 52Psi UMA ; 3.00; 4400;occ; 89; 0;14152  
23;-1712.3; 13-NOV-2004 18:53:03; Bright; 37.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 75; 0;14152  
24;-1410.5; 13-NOV-2004 18:58:05; Bright; 36.0; 111; 8Eta Boo ; 2.68; 6000;occ; 72; 0;14152  
25;-1214.7; 13-NOV-2004 19:01:20; Bright; 86.5; 166; 17Eps Leo ; 2.98; 6000;occ; 173; 0;14152  
26; -934.1; 13-NOV-2004 19:06:01; Dark ; 87.0; 22; 32Alp Leo ; 1.36; 15200;occ; 174; 0;14152  
27; -723.4; 13-NOV-2004 19:09:32; Dark ; 46.0; 100; 4Gam Crv ; 2.58; 13100;occ; 92; 0;14152  
28; -634.6; 13-NOV-2004 19:11:00; Dark ; 49.0; 171; 2Eps Crv ; 3.00; 4250;occ; 98; 0;14152  
29; -252.3; 13-NOV-2004 19:17:23; Dark ; 43.5; 64; Gam Cen ; 2.20; 10600;occ; 87; 0;14152  
30; -114.2; 13-NOV-2004 19:19:41; Dark ; 52.0; 26; Gam Cru ; 1.62; 2900;occ; 104; 0;14152  
31; 101.3; 13-NOV-2004 19:23:16; Dark ; 40.5; 124; The Car ; 2.76; 30000;occ; 81; 0;14153  
32; 205.0; 13-NOV-2004 19:25:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14153  
33; 330.6; 13-NOV-2004 19:27:06; Dark ; 45.0; 41; Eps Car ; 1.86; 4100;occ; 90; 0;14153  
34; 426.5; 13-NOV-2004 19:28:42; Dark ; 59.5; 70; Zet Pup ; 2.25; 39000;occ; 119; 0;14153  
35; 658.5; 13-NOV-2004 19:32:34; Dark ; 57.5; 2; Alp Car ; -0.74; 7000;occ; 115; 0;14153  
36; 765.9; 13-NOV-2004 19:34:21; Dark ; 84.0; 88; 31Eta CMA ; 2.45; 20000;occ; 168; 0;14153

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3; -250.1; 14-NOV-2004 01:59:49; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 1;14156  
4; -113.1; 14-NOV-2004 02:02:06; Dark ; 43.5; 26; Gam Cru ; 1.62; 2900;occ; 87; 0;14156  
5; -15.5; 14-NOV-2004 02:03:43; Dark ; 42.0; 12; Alp1Cru ; 0.77; 30000;occ; 84; 0;14156  
6; 161.4; 14-NOV-2004 02:06:40; Dark ; 52.0; 65; Lam Vel ; 2.20; 4400;occ; 104; 1;14157  
7; 276.6; 14-NOV-2004 02:08:35; Dark ; 40.5; 29; Bet Car ; 1.67; 10200;occ; 81; 1;14157  
8; 403.3; 14-NOV-2004 02:10:42; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 1;14157  
9; 663.0; 14-NOV-2004 02:15:02; Dark ; 48.5; 2; Alp Car ; -0.74; 7000;occ; 97; 1;14157  
10; 773.4; 14-NOV-2004 02:16:52; Dark ; 80.0; 88; 31Eta CMA ; 2.45; 20000;occ; 160; 2;14157  
11; 968.5; 14-NOV-2004 02:20:07; Dark ; 43.0; 9; Alp Eri ; 0.45; 24000;occ; 86; 0;14157  
12; 1065.9; 14-NOV-2004 02:21:44; Dark ; 55.5; 108; Alp Col ; 2.65; 15200;occ; 111; 0;14157  
13; 1195.6; 14-NOV-2004 02:23:54; Dark ; 39.5; 157; The1Eri ; 2.91; 9300;occ; 79; 0;14157  
14; 1414.1; 14-NOV-2004 02:27:33; Dark ; 75.0; 139; 9Bet Lep ; 2.83; 5600;occ; 150; 1;14157  
15; 1638.1; 14-NOV-2004 02:31:17; Dark ; 55.5; 165; 34Gam Eri ; 2.95; 3200;occ; 111; 4;14157  
16; 1801.7; 14-NOV-2004 02:34:00; Dark ; 104.0; 7; 19Bet Ori ; 0.10; 14000;occ; 208; 1;14157  
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18; 2262.2; 14-NOV-2004 02:41:41; Bright; 37.5; 105; 6Bet Ari ; 2.64; 8900;occ; 75; 1;14157  
19; 2627.7; 14-NOV-2004 02:47:46; Bright; 39.0; 73; 57Gam1And ; 2.26; 13100;occ; 78; 0;14157  
20; 2718.6; 14-NOV-2004 02:49:17; Bright; 44.5; 149; 45Eps Per ; 2.89; 30000;occ; 89; 1;14157  
21; 2821.2; 14-NOV-2004 02:51:00; Bright; 41.0; 35; 33Alp Per ; 1.79; 6250;occ; 82; 2;14157  
22; 2929.1; 14-NOV-2004 02:52:48; Bright; 35.5; 110; 37Del Cas ; 2.68; 8900;occ; 71; 0;14157  
23; 3054.0; 14-NOV-2004 02:54:53; Bright; 59.0; 6; 13Alp Aur ; 0.08; 3400;occ; 118; 0;14157  
24; 3242.4; 14-NOV-2004 02:58:01; Bright; 60.5; 42; 34Bet Aur ; 1.90; 10200;occ; 121; 0;14157  
25; 3421.3; 14-NOV-2004 03:01:00; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;14157

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3;-2151.7; 14-NOV-2004 03:08:43; Bright; 42.5; 36; 50Alp UMA ; 1.80; 6300;occ; 85; 0;14157  
4;-2053.4; 14-NOV-2004 03:10:21; Bright; 42.0; 82; 48Bet UMA ; 2.37; 10600;occ; 84; 1;14157  
5;-1918.9; 14-NOV-2004 03:12:36; Bright; 35.0; 39; 85Eta UMA ; 1.85; 24000;occ; 70; 0;14157  
6;-1812.8; 14-NOV-2004 03:14:22; Bright; 43.0; 174; 52Psi UMA ; 3.00; 4400;occ; 86; 0;14157  
7;-1709.4; 14-NOV-2004 03:16:05; Bright; 35.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 70; 0;14157



8;-1407.2; 14-NOV-2004 03:21:07; Bright; 33.0; 111; 8Eta Boo ; 2.68; 6000;occ; 66; 1;14157  
9;-1209.9; 14-NOV-2004 03:24:25; Bright; 97.0; 166; 17Eps Leo ; 2.98; 6000;occ; 194; 1;14157  
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12; -628.7; 14-NOV-2004 03:34:06; Dark ; 44.0; 171; 2Eps Crv ; 3.00; 4250;occ; 88; 0;14157  
13; -250.0; 14-NOV-2004 03:40:25; Dark ; 39.5; 64; Gam Cen ; 2.20; 10600;occ; 79; 0;14157  
14; -113.1; 14-NOV-2004 03:42:41; Dark ; 52.0; 26; Gam Cru ; 1.62; 2900;occ; 104; 0;14157  
15; -15.5; 14-NOV-2004 03:44:19; Dark ; 44.5; 12; Alp1Cru ; 0.77; 30000;occ; 89; 0;14157  
16; 162.4; 14-NOV-2004 03:47:17; Dark ; 55.5; 65; Lam Vel ; 2.20; 4400;occ; 111; 1;14158  
17; 276.4; 14-NOV-2004 03:49:11; Dark ; 40.5; 29; Bet Car ; 1.67; 10200;occ; 81; 2;14158  
18; 405.3; 14-NOV-2004 03:51:20; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14158  
19; 663.3; 14-NOV-2004 03:55:38; Dark ; 61.0; 2; Alp Car ;-0.74; 7000;occ; 122; 1;14158  
20; 774.6; 14-NOV-2004 03:57:29; Dark ; 79.0; 88; 31Eta CMa ; 2.45; 20000;occ; 158; 0;14158  
21; 968.1; 14-NOV-2004 04:00:43; Dark ; 42.5; 9; Alp Eri ; 0.45; 24000;occ; 85; 0;14158  
22; 1065.9; 14-NOV-2004 04:02:20; Dark ; 57.5; 108; Alp Col ; 2.65; 15200;occ; 115; 0;14158  
23; 1195.1; 14-NOV-2004 04:04:30; Dark ; 38.5; 157; The1Eri ; 2.91; 9300;occ; 77; 0;14158  
24; 1413.9; 14-NOV-2004 04:08:08; Dark ; 74.5; 139; 9Bet Lep ; 2.83; 5600;occ; 149; 2;14158  
25; 1637.5; 14-NOV-2004 04:11:52; Dark ; 54.5; 165; 34Gam Eri ; 2.95; 3200;occ; 109; 0;14158  
26; 1801.1; 14-NOV-2004 04:14:36; Dark ; 99.5; 7; 19Bet Ori ; 0.10; 14000;occ; 199; 0;14158  
27; 1974.7; 14-NOV-2004 04:17:29; Dark ; 52.0; 94; 92Alp Cet ; 2.53; 3100;occ; 104; 0;14158  
28; 2261.4; 14-NOV-2004 04:22:16; Bright; 38.5; 105; 6Bet Ari ; 2.64; 8900;occ; 77; 0;14158  
29; 2626.8; 14-NOV-2004 04:28:21; Bright; 37.5; 73; 57Gam1And ; 2.26; 13100;occ; 75; 0;14158  
30; 2717.5; 14-NOV-2004 04:29:52; Bright; 44.0; 149; 45Eps Per ; 2.89; 30000;occ; 88; 0;14158  
31; 2820.3; 14-NOV-2004 04:31:35; Bright; 43.0; 35; 33Alp Per ; 1.79; 6250;occ; 86; 0;14158  
32; 2928.6; 14-NOV-2004 04:33:23; Bright; 36.0; 110; 37Del Cas ; 2.68; 8900;occ; 72; 0;14158  
33; 3052.7; 14-NOV-2004 04:35:27; Bright; 58.0; 6; 13Alp Aur ; 0.08; 3400;occ; 116; 1;14158  
34; 3241.0; 14-NOV-2004 04:38:36; Bright; 64.5; 42; 34Bet Aur ; 1.90; 10200;occ; 129; 0;14158  
35; 3420.2; 14-NOV-2004 04:41:35; Bright; 35.0; 49; 1Alp UMi ; 1.99; 6300;occ; 70; 0;14158

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(corrupted file due to acquisition failures)

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2;-2246.2; 14-NOV-2004 04:47:44; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;14158  
3;-2152.3; 14-NOV-2004 04:49:18; Bright; 41.0; 36; 50Alp UMa ; 1.80; 6300;occ; 82; 0;14158  
4;-2054.4; 14-NOV-2004 04:50:56; Bright; 42.5; 82; 48Bet UMa ; 2.37; 10600;occ; 85; 1;14158  
5;-1919.2; 14-NOV-2004 04:53:11; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 11;14158  
6;-1813.1; 14-NOV-2004 04:54:57; Bright; 46.0; 174; 52Psi UMa ; 3.00; 4400;occ; 92; 0;14158  
7;-1407.5; 14-NOV-2004 05:01:43; Bright; 34.0; 111; 8Eta Boo ; 2.68; 6000;occ; 68; 1;14158  
8;-1208.8; 14-NOV-2004 05:05:02; Bright; 96.0; 166; 17Eps Leo ; 2.98; 6000;occ; 192; 1;14158  
9; -926.0; 14-NOV-2004 05:09:45; Dark ; 90.0; 22; 32Alp Leo ; 1.36; 15200;occ; 180; 0;14158  
10; -719.7; 14-NOV-2004 05:13:11; Dark ; 44.0; 100; 4Gam Crv ; 2.58; 13100;occ; 88; 5;14158  
11; -628.2; 14-NOV-2004 05:14:42; Dark ; 45.5; 171; 2Eps Crv ; 3.00; 4250;occ; 91; 6;14158  
12; -250.3; 14-NOV-2004 05:21:00; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;14158  
13; -113.2; 14-NOV-2004 05:23:17; Dark ; 45.0; 26; Gam Cru ; 1.62; 2900;occ; 90; 0;14158  
14; -15.8; 14-NOV-2004 05:24:55; Dark ; 42.0; 12; Alp1Cru ; 0.77; 30000;occ; 84; 0;14158  
15; 162.9; 14-NOV-2004 05:27:53; Dark ; 64.0; 65; Lam Vel ; 2.20; 4400;occ; 128; 2;14159  
16; 276.1; 14-NOV-2004 05:29:47; Dark ; 44.0; 29; Bet Car ; 1.67; 10200;occ; 88; 1;14159  
17; 407.2; 14-NOV-2004 05:31:58; Dark ; 59.0; 0; ; 0.00; 0;occ; 118; 6;14159  
18; 663.2; 14-NOV-2004 05:36:14; Dark ; 51.5; 2; Alp Car ;-0.74; 7000;occ; 103; 0;14159  
19; 775.9; 14-NOV-2004 05:38:06; Dark ; 77.5; 88; 31Eta CMa ; 2.45; 20000;occ; 155; 0;14159  
20; 968.1; 14-NOV-2004 05:41:19; Dark ; 42.0; 9; Alp Eri ; 0.45; 24000;occ; 84; 0;14159  
21; 1066.5; 14-NOV-2004 05:42:57; Dark ; 55.5; 108; Alp Col ; 2.65; 15200;occ; 111; 1;14159  
22; 1194.6; 14-NOV-2004 05:45:05; Dark ; 42.0; 157; The1Eri ; 2.91; 9300;occ; 84; 0;14159  
23; 1413.8; 14-NOV-2004 05:48:44; Dark ; 73.0; 139; 9Bet Lep ; 2.83; 5600;occ; 146; 1;14159  
24; 1637.0; 14-NOV-2004 05:52:28; Dark ; 53.5; 165; 34Gam Eri ; 2.95; 3200;occ; 107; 4;14159  
25; 1800.4; 14-NOV-2004 05:55:11; Dark ; 97.5; 7; 19Bet Ori ; 0.10; 14000;occ; 195; 0;14159  
26; 1973.5; 14-NOV-2004 05:58:04; Dark ; 52.0; 94; 92Alp Cet ; 2.53; 3100;occ; 104; 0;14159  
27; 2261.0; 14-NOV-2004 06:02:52; Bright; 38.5; 105; 6Bet Ari ; 2.64; 8900;occ; 77; 0;14159  
28; 2626.0; 14-NOV-2004 06:08:57; Bright; 40.5; 73; 57Gam1And ; 2.26; 13100;occ; 81; 0;14159  
29; 2716.2; 14-NOV-2004 06:10:27; Bright; 46.0; 149; 45Eps Per ; 2.89; 30000;occ; 92; 0;14159  
30; 2819.8; 14-NOV-2004 06:12:10; Bright; 44.5; 35; 33Alp Per ; 1.79; 6250;occ; 89; 1;14159  
31; 2928.2; 14-NOV-2004 06:13:59; Bright; 37.0; 110; 37Del Cas ; 2.68; 8900;occ; 74; 2;14159  
32; 3051.6; 14-NOV-2004 06:16:02; Bright; 57.0; 6; 13Alp Aur ; 0.08; 3400;occ; 114; 2;14159  
33; 3239.4; 14-NOV-2004 06:19:10; Bright; 65.0; 42; 34Bet Aur ; 1.90; 10200;occ; 130; 0;14159  
34; 3420.2; 14-NOV-2004 06:22:11; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 1;14159

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2;-2245.8; 14-NOV-2004 06:28:21; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;14159  
3;-2152.7; 14-NOV-2004 06:29:54; Bright; 43.5; 36; 50Alp UMa ; 1.80; 6300;occ; 87; 0;14159

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4;-2054.5; 14-NOV-2004 06:31:32; Bright; 42.0; 82; 48Bet UMA ; 2.37; 10600;occ; 84; 0;14159
5;-1919.0; 14-NOV-2004 06:33:48; Bright; 36.0; 39; 85Eta UMA ; 1.85; 24000;occ; 72; 0;14159
6;-1813.0; 14-NOV-2004 06:35:34; Bright; 41.5; 174; 52Psi UMA ; 3.00; 4400;occ; 83; 0;14159
7;-1710.2; 14-NOV-2004 06:37:16; Bright; 36.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 72; 0;14159
8;-1407.4; 14-NOV-2004 06:42:19; Bright; 33.5; 111; 8Eta Boo ; 2.68; 6000;occ; 67; 0;14159
9;-1208.0; 14-NOV-2004 06:45:39; Bright; 94.5; 166; 17Eps Leo ; 2.98; 6000;occ; 189; 0;14159
10; -924.9; 14-NOV-2004 06:50:22; Dark ; 81.0; 22; 32Alp Leo ; 1.36; 15200;occ; 162; 0;14159
11; -719.9; 14-NOV-2004 06:53:47; Dark ; 44.0; 100; 4Gam Crv ; 2.58; 13100;occ; 88; 0;14159
12; -628.6; 14-NOV-2004 06:55:18; Dark ; 45.5; 171; 2Eps Crv ; 3.00; 4250;occ; 91; 0;14159
13; -250.2; 14-NOV-2004 07:01:36; Dark ; 42.0; 64; Gam Cen ; 2.20; 10600;occ; 84; 0;14159
14; -112.9; 14-NOV-2004 07:03:54; Dark ; 45.0; 26; Gam Cru ; 1.62; 2900;occ; 90; 0;14159
15; -15.3; 14-NOV-2004 07:05:31; Dark ; 44.5; 12; Alp1Cru ; 0.77; 30000;occ; 89; 0;14159
16; 104.6; 14-NOV-2004 07:07:31; Dark ; 40.5; 124; The Car ; 2.76; 30000;occ; 81; 0;14160
17; 207.1; 14-NOV-2004 07:09:14; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14160
18; 334.8; 14-NOV-2004 07:11:21; Dark ; 53.5; 41; Eps Car ; 1.86; 4100;occ; 107; 0;14160
19; 436.2; 14-NOV-2004 07:13:03; Dark ; 56.5; 70; Zet Pup ; 2.25; 39000;occ; 113; 0;14160
20; 663.9; 14-NOV-2004 07:16:50; Dark ; 61.0; 2; Alp Car ; -0.74; 7000;occ; 122; 0;14160
21; 776.8; 14-NOV-2004 07:18:43; Dark ; 85.0; 88; 31Eta CMA ; 2.45; 20000;occ; 170; 0;14160
22; 968.2; 14-NOV-2004 07:21:55; Dark ; 44.0; 9; Alp Eri ; 0.45; 24000;occ; 88; 0;14160
23; 1066.7; 14-NOV-2004 07:23:33; Dark ; 56.0; 108; Alp Col ; 2.65; 15200;occ; 112; 0;14160
24; 1194.8; 14-NOV-2004 07:25:41; Dark ; 40.5; 157; The1Eri ; 2.91; 9300;occ; 81; 0;14160
25; 1493.6; 14-NOV-2004 07:30:40; Dark ; 211.5; 1; 9Alp CMA ; -1.44; 11000;occ; 423; 0;14160

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2;-4236.0; 14-NOV-2004 07:35:47; Dark ; 93.0; 7; 19Bet Ori ; 0.10; 14000;occ; 186; 0;14160
3;-4062.5; 14-NOV-2004 07:38:40; Dark ; 52.5; 94; 92Alp Cet ; 2.53; 3100;occ; 105; 0;14160
4;-3775.3; 14-NOV-2004 07:43:27; Bright; 40.0; 105; 6Bet Ari ; 2.64; 8900;occ; 80; 0;14160
5;-3633.0; 14-NOV-2004 07:45:50; Bright; 48.0; 146; 25Eta Tau ; 2.87; 15200;occ; 96; 0;14160
6;-3532.7; 14-NOV-2004 07:47:30; Bright; 36.0; 173; 4Bet Tri ; 3.00; 8900;occ; 72; 0;14160
7;-3410.0; 14-NOV-2004 07:49:33; Bright; 41.0; 73; 57Gam1And ; 2.26; 13100;occ; 82; 0;14160
8;-3320.3; 14-NOV-2004 07:51:02; Bright; 45.0; 149; 45Eps Per ; 2.89; 30000;occ; 90; 0;14160
9;-3216.2; 14-NOV-2004 07:52:46; Bright; 40.0; 35; 33Alp Per ; 1.79; 6250;occ; 80; 0;14160
10;-3107.6; 14-NOV-2004 07:54:35; Bright; 37.0; 110; 37Del Cas ; 2.68; 8900;occ; 74; 0;14160
11;-2985.6; 14-NOV-2004 07:56:37; Bright; 57.0; 6; 13Alp Aur ; 0.08; 3400;occ; 114; 0;14160
12;-2798.0; 14-NOV-2004 07:59:44; Bright; 64.5; 42; 34Bet Aur ; 1.90; 10200;occ; 129; 0;14160
13;-2616.4; 14-NOV-2004 08:02:46; Bright; 39.0; 49; 1Alp UMi ; 1.99; 6300;occ; 78; 0;14160
14;-2355.4; 14-NOV-2004 08:07:07; Bright; 36.5; 60; 7Bet UMi ; 2.08; 3950;occ; 73; 0;14160
15;-2245.9; 14-NOV-2004 08:08:57; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;14160
16;-2152.8; 14-NOV-2004 08:10:30; Bright; 42.5; 36; 50Alp UMA ; 1.80; 6300;occ; 85; 0;14160
17;-2054.5; 14-NOV-2004 08:12:08; Bright; 42.0; 82; 48Bet UMA ; 2.37; 10600;occ; 84; 0;14160
18;-1918.9; 14-NOV-2004 08:14:24; Bright; 35.5; 39; 85Eta UMA ; 1.85; 24000;occ; 71; 0;14160
19;-1813.1; 14-NOV-2004 08:16:09; Bright; 42.5; 174; 52Psi UMA ; 3.00; 4400;occ; 85; 0;14160
20;-1710.2; 14-NOV-2004 08:17:52; Bright; 37.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 74; 0;14160
21;-1432.8; 14-NOV-2004 08:22:30; Bright; 33.5; 3; 16Alp Boo ; -0.05; 4250;occ; 67; 0;14160
22;-1207.0; 14-NOV-2004 08:26:16; Bright; 93.5; 166; 17Eps Leo ; 2.98; 6000;occ; 187; 0;14160
23;-1019.3; 14-NOV-2004 08:29:23; Bright; 48.5; 121; 29Gam Vir ; 2.74; 7200;occ; 97; 0;14160
24; -923.4; 14-NOV-2004 08:30:59; Dark ; 86.5; 22; 32Alp Leo ; 1.36; 15200;occ; 173; 0;14160
25; -756.1; 14-NOV-2004 08:33:46; Dark ; 42.0; 163; 7Del Crv ; 2.94; 11000;occ; 84; 0;14160
26; -628.5; 14-NOV-2004 08:35:54; Dark ; 48.5; 171; 2Eps Crv ; 3.00; 4250;occ; 97; 0;14160
27; -250.2; 14-NOV-2004 08:42:12; Dark ; 43.0; 64; Gam Cen ; 2.20; 10600;occ; 86; 0;14160
28; -113.0; 14-NOV-2004 08:44:29; Dark ; 47.0; 26; Gam Cru ; 1.62; 2900;occ; 94; 0;14160
29; -15.2; 14-NOV-2004 08:46:07; Dark ; 46.0; 12; Alp1Cru ; 0.77; 30000;occ; 92; 0;14160
30; 104.3; 14-NOV-2004 08:48:07; Dark ; 38.5; 124; The Car ; 2.76; 30000;occ; 77; 0;14161
31; 207.9; 14-NOV-2004 08:49:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14161
32; 335.0; 14-NOV-2004 08:51:58; Dark ; 43.5; 41; Eps Car ; 1.86; 4100;occ; 87; 0;14161
33; 436.9; 14-NOV-2004 08:53:39; Dark ; 56.0; 70; Zet Pup ; 2.25; 39000;occ; 112; 0;14161
34; 664.6; 14-NOV-2004 08:57:27; Dark ; 50.5; 2; Alp Car ; -0.74; 7000;occ; 101; 0;14161
35; 778.3; 14-NOV-2004 08:59:21; Dark ; 83.0; 88; 31Eta CMA ; 2.45; 20000;occ; 166; 0;14161
36; 968.2; 14-NOV-2004 09:02:31; Dark ; 45.5; 9; Alp Eri ; 0.45; 24000;occ; 91; 0;14161
37; 1067.4; 14-NOV-2004 09:04:10; Dark ; 56.5; 108; Alp Col ; 2.65; 15200;occ; 113; 0;14161
38; 1194.4; 14-NOV-2004 09:06:17; Dark ; 41.5; 157; The1Eri ; 2.91; 9300;occ; 83; 0;14161
39; 1493.9; 14-NOV-2004 09:11:16; Dark ; 191.5; 1; 9Alp CMA ; -1.44; 11000;occ; 383; 0;14161

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Problem occurred when reading packet number 3677!

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3;-4062.5; 14-NOV-2004 09:19:16; Dark ; 50.0; 94; 92Alp Cet ; 2.53; 3100;occ; 100; 0;14161
4;-3775.2; 14-NOV-2004 09:24:03; Bright; 39.0; 105; 6Bet Ari ; 2.64; 8900;occ; 78; 0;14161

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5;-3632.9; 14-NOV-2004 09:26:26; Bright; 44.0; 146; 25Eta Tau ; 2.87; 15200;occ; 88; 0;14161
6;-3533.1; 14-NOV-2004 09:28:05; Bright; 36.5; 173; 4Bet Tri ; 3.00; 8900;occ; 73; 0;14161
7;-3410.0; 14-NOV-2004 09:30:08; Bright; 39.5; 73; 57Gam1And ; 2.26; 13100;occ; 79; 0;14161
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9;-3216.5; 14-NOV-2004 09:33:22; Bright; 42.5; 35; 33Alp Per ; 1.79; 6250;occ; 85; 0;14161
10;-3107.7; 14-NOV-2004 09:35:11; Bright; 38.0; 110; 37Del Cas ; 2.68; 8900;occ; 76; 0;14161
11;-2986.5; 14-NOV-2004 09:37:12; Bright; 58.0; 6; 13Alp Aur ; 0.08; 3400;occ; 116; 0;14161
12;-2799.4; 14-NOV-2004 09:40:19; Bright; 64.5; 42; 34Bet Aur ; 1.90; 10200;occ; 129; 0;14161
13;-2616.4; 14-NOV-2004 09:43:22; Bright; 39.0; 49; 1Alp UMi ; 1.99; 6300;occ; 78; 0;14161
14;-2355.5; 14-NOV-2004 09:47:43; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;14161
15;-2245.5; 14-NOV-2004 09:49:33; Bright; 37.5; 119; 14Eta Dra ; 2.73; 4700;occ; 75; 0;14161
16;-2153.0; 14-NOV-2004 09:51:05; Bright; 43.5; 36; 50Alp UMa ; 1.80; 6300;occ; 87; 0;14161
17;-2054.7; 14-NOV-2004 09:52:44; Bright; 41.0; 82; 48Bet UMa ; 2.37; 10600;occ; 82; 0;14161
18;-1919.0; 14-NOV-2004 09:54:59; Bright; 34.0; 39; 85Eta UMa ; 1.85; 24000;occ; 68; 0;14161
19;-1813.2; 14-NOV-2004 09:56:45; Bright; 43.5; 174; 52Psi UMa ; 3.00; 4400;occ; 87; 0;14161
20;-1710.1; 14-NOV-2004 09:58:28; Bright; 37.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 74; 0;14161
21;-1432.7; 14-NOV-2004 10:03:06; Bright; 34.0; 3; 16Alp Boo ;-0.05; 4250;occ; 68; 0;14161
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25; -755.4; 14-NOV-2004 10:14:23; Dark ; 41.5; 163; 7Del Crv ; 2.94; 11000;occ; 83; 0;14161
26; -627.6; 14-NOV-2004 10:16:31; Dark ; 44.5; 171; 2Eps Crv ; 3.00; 4250;occ; 89; 0;14161
27; -249.7; 14-NOV-2004 10:22:49; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;14161
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30; 105.3; 14-NOV-2004 10:28:44; Dark ; 39.5; 124; The Car ; 2.76; 30000;occ; 79; 0;14162
31; 208.8; 14-NOV-2004 10:30:27; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14162
32; 335.6; 14-NOV-2004 10:32:34; Dark ; 45.0; 41; Eps Car ; 1.86; 4100;occ; 90; 0;14162
33; 438.7; 14-NOV-2004 10:34:17; Dark ; 57.5; 70; Zet Pup ; 2.25; 39000;occ; 115; 0;14162
34; 665.2; 14-NOV-2004 10:38:04; Dark ; 51.0; 2; Alp Car ;-0.74; 7000;occ; 102; 0;14162
35; 780.0; 14-NOV-2004 10:39:58; Dark ; 82.5; 88; 31Eta CMa ; 2.45; 20000;occ; 165; 0;14162
36; 968.5; 14-NOV-2004 10:43:07; Dark ; 46.0; 9; Alp Eri ; 0.45; 24000;occ; 92; 0;14162
37; 1068.4; 14-NOV-2004 10:44:47; Dark ; 56.5; 108; Alp Col ; 2.65; 15200;occ; 113; 3;14162
38; 1195.2; 14-NOV-2004 10:46:54; Dark ; 43.0; 157; The1Eri ; 2.91; 9300;occ; 86; 0;14162
39; 1494.4; 14-NOV-2004 10:51:53; Dark ; 193.0; 1; 9Alp CMa ;-1.44; 11000;occ; 386; 0;14162
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14;-2355.1; 14-NOV-2004 11:28:19; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;14162
15;-2245.0; 14-NOV-2004 11:30:09; Bright; 38.0; 119; 14Eta Dra ; 2.73; 4700;occ; 76; 0;14162
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27; -249.2; 14-NOV-2004 12:03:25; Dark ; 40.5; 64; Gam Cen ; 2.20; 10600;occ; 81; 0;14162
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36; 968.5; 14-NOV-2004 12:23:43; Dark ; 40.0; 9; Alp Eri ; 0.45; 24000;occ; 80; 0;14163
37; 1069.1; 14-NOV-2004 12:25:23; Dark ; 53.5; 108; Alp Col ; 2.65; 15200;occ; 107; 0;14163
38; 1196.3; 14-NOV-2004 12:27:31; Dark ; 42.0; 157; The1Eri ; 2.91; 9300;occ; 84; 0;14163
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32; 441.5; 14-NOV-2004 13:55:32; Dark ; 57.5; 70; Zet Pup ; 2.25; 39000;occ; 115; 0;14164
33; 666.6; 14-NOV-2004 13:59:17; Dark ; 49.0; 2; Alp Car ;-0.74; 7000;occ; 98; 0;14164
34; 783.8; 14-NOV-2004 14:01:14; Dark ; 84.5; 88; 31Eta CMA ; 2.45; 20000;occ; 169; 0;14164
35; 968.6; 14-NOV-2004 14:04:19; Dark ; 46.5; 9; Alp Eri ; 0.45; 24000;occ; 93; 0;14164
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5;-3634.5; 14-NOV-2004 14:28:12; Bright; 46.0; 146; 25Eta Tau ; 2.87; 15200;occ; 92; 0;14164
6;-3533.6; 14-NOV-2004 14:29:53; Bright; 37.0; 173; 4Bet Tri ; 3.00; 8900;occ; 74; 0;14164
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 27; -249.4; 14-NOV-2004 15:24:37; Dark ; 42.5; 64; Gam Cen ; 2.20; 10600;occ; 85; 0;14164  
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 29; -14.7; 14-NOV-2004 15:28:31; Dark ; 47.0; 12; Alp1Cru ; 0.77; 30000;occ; 94; 0;14164  
 30; 106.3; 14-NOV-2004 15:30:33; Dark ; 39.0; 124; The Car ; 2.76; 30000;occ; 78; 0;14165  
 31; 211.3; 14-NOV-2004 15:32:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14165  
 32; 338.0; 14-NOV-2004 15:34:24; Dark ; 43.5; 41; Eps Car ; 1.86; 4100;occ; 87; 0;14165  
 33; 442.7; 14-NOV-2004 15:36:09; Dark ; 59.0; 70; Zet Pup ; 2.25; 39000;occ; 118; 0;14165  
 34; 667.7; 14-NOV-2004 15:39:54; Dark ; 61.0; 2; Alp Car ; -0.74; 7000;occ; 122; 0;14165  
 35; 785.0; 14-NOV-2004 15:41:51; Dark ; 81.5; 88; 31Eta CMA ; 2.45; 20000;occ; 163; 0;14165  
 36; 968.7; 14-NOV-2004 15:44:55; Dark ; 46.5; 9; Alp Eri ; 0.45; 24000;occ; 93; 0;14165  
 37; 1070.8; 14-NOV-2004 15:46:37; Dark ; 59.0; 108; Alp Col ; 2.65; 15200;occ; 118; 0;14165  
 38; 1196.9; 14-NOV-2004 15:48:43; Dark ; 41.0; 157; The1Eri ; 2.91; 9300;occ; 82; 0;14165

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 25;-1432.8; 14-NOV-2004 21:47:17; Bright; 35.5; 3; 16Alp Boo ; -0.05; 4250;occ; 71; 0;14168  
 26;-1301.6; 14-NOV-2004 21:49:29; Bright; 48.5; 96; 68Del Leo ; 2.56; 9300;occ; 97; 0;14168  
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31; -14.7; 14-NOV-2004 17:09:08; Dark ; 43.0; 12; Alp1Cru ; 0.77; 30000;occ; 86; 0;14165
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33; 212.1; 14-NOV-2004 17:12:54; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14166
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35; 443.9; 14-NOV-2004 17:16:46; Dark ; 57.0; 70; Zet Pup ; 2.25; 39000;occ; 114; 0;14166
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37; 786.5; 14-NOV-2004 17:22:29; Dark ; 84.5; 88; 31Eta CMa ; 2.45; 20000;occ; 169; 0;14166
38; 968.7; 14-NOV-2004 17:25:31; Dark ; 47.5; 9; Alp Eri ; 0.45; 24000;occ; 95; 0;14166
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22;-1709.6; 14-NOV-2004 18:21:29; Bright; 36.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 72; 0;14166
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34; 212.9; 14-NOV-2004 18:53:31; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14167
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36; 444.4; 14-NOV-2004 18:57:23; Dark ; 59.0; 70; Zet Pup ; 2.25; 39000;occ; 118; 0;14167
37; 668.5; 14-NOV-2004 19:01:07; Dark ; 51.0; 2; Alp Car ;-0.74; 7000;occ; 102; 0;14167
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 32; 936.5; 15-NOV-2004 08:30:22; Dark ; 89.5; 23; 21Eps CMa ; 1.50; 26000;occ; 179; 0;14175  
 33; 1077.0; 15-NOV-2004 08:32:43; Dark ; 59.0; 108; Alp Col ; 2.65; 15200;occ; 118; 0;14175  
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16; 255.1; 18-NOV-2004 06:44:10; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14217  
17; 371.7; 18-NOV-2004 06:46:07; Dark ; 54.5; 41; Eps Car ; 1.86; 4100;occ; 109; 0;14217  
18; 505.8; 18-NOV-2004 06:48:21; Dark ; 57.0; 70; Zet Pup ; 2.25; 39000;occ; 114; 0;14217  
19; 702.1; 18-NOV-2004 06:51:37; Dark ; 45.5; 2; Alp Car ;-0.74; 7000;occ; 91; 0;14217  
20; 858.5; 18-NOV-2004 06:54:13; Dark ; 79.5; 88; 31Eta CMA ; 2.45; 20000;occ; 159; 0;14217  
21; 1015.6; 18-NOV-2004 06:56:50; Dark ; 95.0; 37; 25Del CMA ; 1.83; 5900;occ; 190; 0;14217  
22; 1208.8; 18-NOV-2004 07:00:04; Dark ; 39.0; 157; The1Eri ; 2.91; 9300;occ; 78; 0;14217  
23; 1503.8; 18-NOV-2004 07:04:59; Dark ; 167.5; 1; 9Alp CMA ;-1.44; 11000;occ; 335; 0;14217

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2;-4063.8; 18-NOV-2004 07:12:47; Dark ; 48.0; 94; 92Alp Cet ; 2.53; 3100;occ; 96; 0;14217  
3;-3769.2; 18-NOV-2004 07:17:42; Bright; 38.0; 105; 6Bet Ari ; 2.64; 8900;occ; 76; 0;14217  
4;-3659.0; 18-NOV-2004 07:19:32; Bright; 44.5; 146; 25Eta Tau ; 2.87; 15200;occ; 89; 0;14217  
5;-3533.8; 18-NOV-2004 07:21:37; Bright; 37.0; 173; 4Bet Tri ; 3.00; 8900;occ; 74; 0;14217  
6;-3410.0; 18-NOV-2004 07:23:41; Bright; 38.5; 73; 57Gam1And ; 2.26; 13100;occ; 77; 0;14217  
7;-3235.4; 18-NOV-2004 07:26:35; Bright; 41.5; 35; 33Alp Per ; 1.79; 6250;occ; 83; 0;14217  
8;-3139.6; 18-NOV-2004 07:28:11; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;14217  
9;-3044.7; 18-NOV-2004 07:29:46; Bright; 58.5; 6; 13Alp Aur ; 0.08; 3400;occ; 117; 0;14217  
10;-2877.0; 18-NOV-2004 07:32:34; Bright; 59.5; 42; 34Bet Aur ; 1.90; 10200;occ; 119; 0;14217  
11;-2615.5; 18-NOV-2004 07:36:55; Bright; 35.5; 49; 1Alp UMi ; 1.99; 6300;occ; 71; 0;14217  
12;-2349.2; 18-NOV-2004 07:41:22; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;14217  
13;-2228.0; 18-NOV-2004 07:43:23; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;14217  
14;-2066.5; 18-NOV-2004 07:46:04; Bright; 44.5; 82; 48Bet UMA ; 2.37; 10600;occ; 89; 0;14217  
15;-1912.7; 18-NOV-2004 07:48:38; Bright; 40.5; 39; 85Eta UMA ; 1.85; 24000;occ; 81; 0;14217  
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17;-1704.1; 18-NOV-2004 07:52:07; Bright; 38.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 76; 0;14217  
18;-1574.9; 18-NOV-2004 07:54:16; Bright; 34.5; 83; ; 2.38; 11000;occ; 69; 0;14217  
19;-1424.5; 18-NOV-2004 07:56:46; Bright; 35.5; 3; 16Alp Boo ;-0.05; 4250;occ; 71; 0;14217  
20;-1281.3; 18-NOV-2004 07:59:09; Bright; 51.0; 96; 68Del Leo ; 2.56; 9300;occ; 102; 0;14217  
21;-1138.2; 18-NOV-2004 08:01:33; Bright; 84.5; 51; 41Gam1Leo ; 2.01; 4500;occ; 169; 0;14217  
22; -836.2; 18-NOV-2004 08:06:35; Dark ; 109.5; 22; 32Alp Leo ; 1.36; 15200;occ; 219; 0;14217  
23; -628.6; 18-NOV-2004 08:10:02; Dark ; 45.0; 106; 9Bet Crv ; 2.65; 5600;occ; 90; 0;14217  
24; -236.3; 18-NOV-2004 08:16:34; Dark ; 40.0; 64; Gam Cen ; 2.20; 10600;occ; 80; 0;14217  
25; -5.0; 18-NOV-2004 08:20:26; Dark ; 39.0; 12; Alp1Cru ; 0.77; 30000;occ; 78; 0;14217  
26; 127.4; 18-NOV-2004 08:22:38; Dark ; 40.0; 124; The Car ; 2.76; 30000;occ; 80; 0;14218  
27; 255.9; 18-NOV-2004 08:24:47; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14218  
28; 372.1; 18-NOV-2004 08:26:43; Dark ; 57.5; 41; Eps Car ; 1.86; 4100;occ; 115; 0;14218  
29; 507.4; 18-NOV-2004 08:28:58; Dark ; 56.5; 70; Zet Pup ; 2.25; 39000;occ; 113; 0;14218  
30; 702.7; 18-NOV-2004 08:32:14; Dark ; 55.0; 2; Alp Car ;-0.74; 7000;occ; 110; 0;14218  
31; 861.7; 18-NOV-2004 08:34:52; Dark ; 82.5; 88; 31Eta CMA ; 2.45; 20000;occ; 165; 0;14218  
32; 1015.2; 18-NOV-2004 08:37:26; Dark ; 97.0; 37; 25Del CMA ; 1.83; 5900;occ; 194; 0;14218  
33; 1209.0; 18-NOV-2004 08:40:40; Dark ; 38.5; 157; The1Eri ; 2.91; 9300;occ; 77; 0;14218  
34; 1504.3; 18-NOV-2004 08:45:35; Dark ; 166.0; 1; 9Alp CMA ;-1.44; 11000;occ; 332; 0;14218

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Problem occurred when reading packet number 2335!

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3;-4063.8; 18-NOV-2004 08:53:23; Dark ; 45.5; 94; 92Alp Cet ; 2.53; 3100;occ; 91; 0;14218  
4;-3769.1; 18-NOV-2004 08:58:18; Bright; 38.5; 105; 6Bet Ari ; 2.64; 8900;occ; 77; 0;14218  
5;-3659.3; 18-NOV-2004 09:00:07; Bright; 45.0; 146; 25Eta Tau ; 2.87; 15200;occ; 90; 0;14218  
6;-3534.0; 18-NOV-2004 09:02:13; Bright; 38.5; 173; 4Bet Tri ; 3.00; 8900;occ; 77; 0;14218  
7;-3409.9; 18-NOV-2004 09:04:17; Bright; 39.5; 73; 57Gam1And ; 2.26; 13100;occ; 79; 0;14218  
8;-3235.9; 18-NOV-2004 09:07:11; Bright; 41.5; 35; 33Alp Per ; 1.79; 6250;occ; 83; 0;14218  
9;-3139.6; 18-NOV-2004 09:08:47; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;14218  
10;-3045.6; 18-NOV-2004 09:10:21; Bright; 60.0; 6; 13Alp Aur ; 0.08; 3400;occ; 120; 0;14218  
11;-2878.0; 18-NOV-2004 09:13:09; Bright; 58.5; 42; 34Bet Aur ; 1.90; 10200;occ; 117; 0;14218  
12;-2615.4; 18-NOV-2004 09:17:31; Bright; 37.5; 49; 1Alp UMi ; 1.99; 6300;occ; 75; 0;14218

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13;-2349.5; 18-NOV-2004 09:21:57; Bright; 38.0; 60; 7Bet UMi ; 2.08; 3950;occ; 76; 0;14218
14;-2227.0; 18-NOV-2004 09:24:00; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;14218
15;-2067.0; 18-NOV-2004 09:26:40; Bright; 43.0; 82; 48Bet UMa ; 2.37; 10600;occ; 86; 0;14218
16;-1911.8; 18-NOV-2004 09:29:15; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;14218
17;-1820.2; 18-NOV-2004 09:30:46; Bright; 48.0; 174; 52Psi UMa ; 3.00; 4400;occ; 96; 0;14218
18;-1703.9; 18-NOV-2004 09:32:43; Bright; 37.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 75; 0;14218
19;-1575.0; 18-NOV-2004 09:34:52; Bright; 36.0; 83; ; 2.38; 11000;occ; 72; 0;14218
20;-1424.3; 18-NOV-2004 09:37:22; Bright; 35.5; 3; 16Alp Boo ;-0.05; 4250;occ; 71; 0;14218
21;-1280.5; 18-NOV-2004 09:39:46; Bright; 55.5; 96; 68Del Leo ; 2.56; 9300;occ; 111; 0;14218
22;-1136.9; 18-NOV-2004 09:42:10; Bright; 90.5; 51; 41Gam1Leo ; 2.01; 4500;occ; 181; 0;14218
23; -834.3; 18-NOV-2004 09:47:12; Dark ; 103.0; 22; 32Alp Leo ; 1.36; 15200;occ; 206; 0;14218
24; -628.0; 18-NOV-2004 09:50:39; Dark ; 46.0; 106; 9Bet Crv ; 2.65; 5600;occ; 92; 0;14218
25; -236.0; 18-NOV-2004 09:57:11; Dark ; 39.0; 64; Gam Cen ; 2.20; 10600;occ; 78; 29;14218
26; -5.2; 18-NOV-2004 10:01:01; Dark ; 50.0; 12; Alp1Cru ; 0.77; 30000;occ; 100; 0;14218
27; 127.3; 18-NOV-2004 10:03:14; Dark ; 40.0; 124; The Car ; 2.76; 30000;occ; 80; 0;14219
28; 256.9; 18-NOV-2004 10:05:24; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14219
29; 372.5; 18-NOV-2004 10:07:19; Dark ; 48.5; 41; Eps Car ; 1.86; 4100;occ; 97; 0;14219
30; 508.3; 18-NOV-2004 10:09:35; Dark ; 59.5; 70; Zet Pup ; 2.25; 39000;occ; 119; 0;14219
31; 703.1; 18-NOV-2004 10:12:50; Dark ; 53.0; 2; Alp Car ;-0.74; 7000;occ; 106; 0;14219
32; 861.3; 18-NOV-2004 10:15:28; Dark ; 81.0; 88; 31Eta CMa ; 2.45; 20000;occ; 162; 0;14219
33; 1018.8; 18-NOV-2004 10:18:05; Dark ; 97.5; 37; 25Del CMa ; 1.83; 5900;occ; 195; 0;14219
34; 1209.1; 18-NOV-2004 10:21:16; Dark ; 40.5; 157; The1Eri ; 2.91; 9300;occ; 81; 0;14219
35; 1504.8; 18-NOV-2004 10:26:12; Dark ; 159.5; 1; 9Alp CMa ;-1.44; 11000;occ; 319; 0;14219
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2;-4256.3; 18-NOV-2004 10:30:46; Dark ; 81.0; 7; 19Bet Ori ; 0.10; 14000;occ; 162; 0;14219
3;-4064.0; 18-NOV-2004 10:33:59; Dark ; 47.0; 94; 92Alp Cet ; 2.53; 3100;occ; 94; 0;14219
4;-3769.1; 18-NOV-2004 10:38:53; Bright; 38.5; 105; 6Bet Ari ; 2.64; 8900;occ; 77; 0;14219
5;-3660.7; 18-NOV-2004 10:40:42; Bright; 46.0; 146; 25Eta Tau ; 2.87; 15200;occ; 92; 0;14219
6;-3534.2; 18-NOV-2004 10:42:48; Bright; 37.0; 173; 4Bet Tri ; 3.00; 8900;occ; 74; 0;14219
7;-3410.2; 18-NOV-2004 10:44:52; Bright; 37.0; 73; 57Gam1And ; 2.26; 13100;occ; 74; 0;14219
8;-3236.6; 18-NOV-2004 10:47:46; Bright; 42.5; 35; 33Alp Per ; 1.79; 6250;occ; 85; 0;14219
9;-3139.6; 18-NOV-2004 10:49:23; Bright; 38.5; 68; 18Alp Cas ; 2.22; 4500;occ; 77; 0;14219
10;-3046.6; 18-NOV-2004 10:50:56; Bright; 63.5; 6; 13Alp Aur ; 0.08; 3400;occ; 127; 0;14219
11;-2879.0; 18-NOV-2004 10:53:44; Bright; 61.0; 42; 34Bet Aur ; 1.90; 10200;occ; 122; 0;14219
12;-2616.4; 18-NOV-2004 10:58:06; Bright; 39.5; 49; 1Alp UMi ; 1.99; 6300;occ; 79; 0;14219
13;-2351.7; 18-NOV-2004 11:02:31; Bright; 40.5; 60; 7Bet UMi ; 2.08; 3950;occ; 81; 0;14219
14;-2227.8; 18-NOV-2004 11:04:35; Bright; 39.0; 119; 14Eta Dra ; 2.73; 4700;occ; 78; 0;14219
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16;-1912.1; 18-NOV-2004 11:09:50; Bright; 35.5; 39; 85Eta UMa ; 1.85; 24000;occ; 71; 0;14219
17;-1819.3; 18-NOV-2004 11:11:23; Bright; 47.5; 174; 52Psi UMa ; 3.00; 4400;occ; 95; 0;14219
18;-1703.8; 18-NOV-2004 11:13:19; Bright; 54.0; 152; 12Alp2CVn ; 2.89; 11000;occ; 108; 0;14219
19;-1575.6; 18-NOV-2004 11:15:27; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;14219
20;-1424.8; 18-NOV-2004 11:17:58; Bright; 36.0; 3; 16Alp Boo ;-0.05; 4250;occ; 72; 0;14219
21;-1279.9; 18-NOV-2004 11:20:23; Bright; 52.5; 96; 68Del Leo ; 2.56; 9300;occ; 105; 0;14219
22;-1135.8; 18-NOV-2004 11:22:47; Bright; 89.5; 51; 41Gam1Leo ; 2.01; 4500;occ; 179; 0;14219
23; -832.3; 18-NOV-2004 11:27:50; Dark ; 107.5; 22; 32Alp Leo ; 1.36; 15200;occ; 215; 0;14219
24; -628.1; 18-NOV-2004 11:31:14; Dark ; 46.5; 106; 9Bet Crv ; 2.65; 5600;occ; 93; 0;14219
25; -236.1; 18-NOV-2004 11:37:46; Dark ; 41.5; 64; Gam Cen ; 2.20; 10600;occ; 83; 0;14219
26; -5.1; 18-NOV-2004 11:41:37; Dark ; 46.0; 12; Alp1Cru ; 0.77; 30000;occ; 92; 0;14219
27; 127.7; 18-NOV-2004 11:43:50; Dark ; 39.5; 124; The Car ; 2.76; 30000;occ; 79; 0;14220
28; 257.7; 18-NOV-2004 11:46:00; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14220
29; 373.1; 18-NOV-2004 11:47:56; Dark ; 46.5; 41; Eps Car ; 1.86; 4100;occ; 93; 0;14220
30; 509.6; 18-NOV-2004 11:50:12; Dark ; 59.5; 70; Zet Pup ; 2.25; 39000;occ; 119; 0;14220
31; 702.8; 18-NOV-2004 11:53:25; Dark ; 50.0; 2; Alp Car ;-0.74; 7000;occ; 100; 0;14220
32; 862.7; 18-NOV-2004 11:56:05; Dark ; 86.5; 88; 31Eta CMa ; 2.45; 20000;occ; 173; 0;14220
33; 1019.4; 18-NOV-2004 11:58:42; Dark ; 103.0; 37; 25Del CMa ; 1.83; 5900;occ; 206; 0;14220
34; 1209.2; 18-NOV-2004 12:01:52; Dark ; 39.0; 157; The1Eri ; 2.91; 9300;occ; 78; 0;14220
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3;-4064.0; 18-NOV-2004 12:14:34; Dark ; 49.5; 94; 92Alp Cet ; 2.53; 3100;occ; 99; 0;14220
4;-3769.3; 18-NOV-2004 12:19:29; Bright; 38.5; 105; 6Bet Ari ; 2.64; 8900;occ; 77; 0;14220
5;-3660.7; 18-NOV-2004 12:21:18; Bright; 44.5; 146; 25Eta Tau ; 2.87; 15200;occ; 89; 0;14220
6;-3534.3; 18-NOV-2004 12:23:24; Bright; 36.0; 173; 4Bet Tri ; 3.00; 8900;occ; 72; 0;14220
7;-3410.2; 18-NOV-2004 12:25:28; Bright; 36.0; 73; 57Gam1And ; 2.26; 13100;occ; 72; 0;14220
8;-3236.7; 18-NOV-2004 12:28:22; Bright; 41.0; 35; 33Alp Per ; 1.79; 6250;occ; 82; 0;14220
9;-3139.4; 18-NOV-2004 12:29:59; Bright; 36.5; 68; 18Alp Cas ; 2.22; 4500;occ; 73; 0;14220

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12;-2349.8; 18-NOV-2004 12:43:09; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;14220
13;-2227.4; 18-NOV-2004 12:45:11; Bright; 40.0; 119; 14Eta Dra ; 2.73; 4700;occ; 80; 0;14220
14;-2066.8; 18-NOV-2004 12:47:52; Bright; 43.0; 82; 48Bet UMA ; 2.37; 10600;occ; 86; 0;14220
15;-1912.3; 18-NOV-2004 12:50:26; Bright; 37.0; 39; 85Eta UMA ; 1.85; 24000;occ; 74; 0;14220
16;-1819.8; 18-NOV-2004 12:51:59; Bright; 46.0; 174; 52Psi UMA ; 3.00; 4400;occ; 92; 0;14220
17;-1703.9; 18-NOV-2004 12:53:55; Bright; 36.5; 152; 12Alp2CVn ; 2.89; 11000;occ; 73; 0;14220
18;-1575.4; 18-NOV-2004 12:56:03; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;14220
19;-1424.6; 18-NOV-2004 12:58:34; Bright; 35.5; 3; 16Alp Boo ; -0.05; 4250;occ; 71; 0;14220
20;-1280.0; 18-NOV-2004 13:00:58; Bright; 73.0; 96; 68Del Leo ; 2.56; 9300;occ; 146; 0;14220
21;-1135.1; 18-NOV-2004 13:03:23; Bright; 92.5; 51; 41Gam1Leo ; 2.01; 4500;occ; 185; 0;14220
22; -830.6; 18-NOV-2004 13:08:28; Dark ; 106.0; 22; 32Alp Leo ; 1.36; 15200;occ; 212; 0;14220
23; -627.4; 18-NOV-2004 13:11:51; Dark ; 41.5; 106; 9Bet Crv ; 2.65; 5600;occ; 83; 0;14220
24; -235.8; 18-NOV-2004 13:18:23; Dark ; 42.0; 64; Gam Cen ; 2.20; 10600;occ; 84; 0;14220
25; -71.7; 18-NOV-2004 13:21:07; Dark ; 43.0; 20; Bet Cru ; 1.25; 30000;occ; 86; 0;14220
26; -4.9; 18-NOV-2004 13:22:14; Dark ; 41.5; 12; Alp1Cru ; 0.77; 30000;occ; 83; 0;14220
27; 127.4; 18-NOV-2004 13:24:26; Dark ; 39.0; 124; The Car ; 2.76; 30000;occ; 78; 0;14221
28; 258.7; 18-NOV-2004 13:26:37; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14221
29; 372.8; 18-NOV-2004 13:28:31; Dark ; 46.0; 41; Eps Car ; 1.86; 4100;occ; 92; 0;14221
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31; 703.5; 18-NOV-2004 13:34:02; Dark ; 60.0; 2; Alp Car ; -0.74; 7000;occ; 120; 0;14221
32; 866.0; 18-NOV-2004 13:36:44; Dark ; 83.0; 88; 31Eta CMA ; 2.45; 20000;occ; 166; 0;14221
33; 1021.4; 18-NOV-2004 13:39:20; Dark ; 104.0; 37; 25Del CMA ; 1.83; 5900;occ; 208; 0;14221
34; 1206.6; 18-NOV-2004 13:42:25; Dark ; 42.5; 157; The1Eri ; 2.91; 9300;occ; 85; 0;14221
35; 1505.0; 18-NOV-2004 13:47:23; Dark ; 63.5; 1; 9Alp CMA ; -1.44; 11000;occ; 127; 0;14221
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2;-4257.2; 18-NOV-2004 13:51:57; Dark ; 77.5; 7; 19Bet Ori ; 0.10; 14000;occ; 155; 0;14221
3;-4065.1; 18-NOV-2004 13:55:09; Dark ; 49.0; 94; 92Alp Cet ; 2.53; 3100;occ; 98; 0;14221
4;-3769.5; 18-NOV-2004 14:00:05; Bright; 39.5; 105; 6Bet Ari ; 2.64; 8900;occ; 79; 0;14221
5;-3661.0; 18-NOV-2004 14:01:53; Bright; 44.0; 146; 25Eta Tau ; 2.87; 15200;occ; 88; 0;14221
6;-3535.2; 18-NOV-2004 14:03:59; Bright; 37.0; 173; 4Bet Tri ; 3.00; 8900;occ; 74; 0;14221
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9;-3140.1; 18-NOV-2004 14:10:34; Bright; 39.5; 68; 18Alp Cas ; 2.22; 4500;occ; 79; 0;14221
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22;	-1271.1;	19-NOV-2004	19:11:54;	Bright;	54.0;	96;	68Del Leo	;	2.56;	9300;occ;	108;	0;	14238
23;	-1117.4;	19-NOV-2004	19:14:28;	Dark	96.0;	51;	41Gam1Leo	;	2.01;	4500;occ;	192;	0;	14238
24;	-796.0;	19-NOV-2004	19:19:49;	Dark	120.0;	22;	32Alp Leo	;	1.36;	15200;occ;	240;	0;	14238
25;	-588.7;	19-NOV-2004	19:23:17;	Dark	47.5;	171;	2Eps Crv	;	3.00;	4250;occ;	95;	0;	14238
26;	-230.9;	19-NOV-2004	19:29:15;	Dark	44.5;	64;	Gam Cen	;	2.20;	10600;occ;	89;	0;	14238
27;	-68.6;	19-NOV-2004	19:31:57;	Dark	44.0;	20;	Bet Cru	;	1.25;	30000;occ;	88;	0;	14238
28;	-1.7;	19-NOV-2004	19:33:04;	Dark	49.0;	12;	Alp1Cru	;	0.77;	30000;occ;	98;	0;	14238
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31;	715.4;	19-NOV-2004	19:45:01;	Dark	50.0;	2;	Alp Car	;	-0.74;	7000;occ;	100;	0;	14239
32;	890.8;	19-NOV-2004	19:47:56;	Dark	81.5;	88;	31Eta CMA	;	2.45;	20000;occ;	163;	0;	14239
33;	1043.2;	19-NOV-2004	19:50:29;	Dark	7.0;	37;	25Del CMA	;	1.83;	5900;occ;	14;	0;	14239
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22;	3419.8;	20-NOV-2004	01:31:53;	Bright;	37.5;	49;	1Alp UMi	;	1.99;	6300;occ;	75;	0;	14242
23;	3688.7;	20-NOV-2004	01:36:22;	Bright;	39.0;	60;	7Bet UMi	;	2.08;	3950;occ;	78;	0;	14242
24;	3816.1;	20-NOV-2004	01:38:29;	Bright;	37.5;	119;	14Eta Dra	;	2.73;	4700;occ;	75;	0;	14242
25;	3963.6;	20-NOV-2004	01:40:57;	Bright;	42.0;	82;	48Bet UMA	;	2.37;	10600;occ;	84;	0;	14242
26;	4048.8;	20-NOV-2004	01:42:22;	Bright;	58.0;	87;	64Gam UMA	;	2.43;	11000;occ;	116;	0;	14242
27;	4214.4;	20-NOV-2004	01:45:07;	Bright;	46.5;	174;	52Psi UMA	;	3.00;	4400;occ;	93;	0;	14242
28;	4334.6;	20-NOV-2004	01:47:08;	Bright;	36.0;	152;	12Alp2CVn	;	2.89;	11000;occ;	72;	0;	14242
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3;	-229.9;	20-NOV-2004	02:11:39;	Dark	43.0;	64;	Gam Cen	;	2.20;	10600;occ;	86;	0;	14242
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5;	0.5;	20-NOV-2004	02:15:29;	Dark	39.0;	12;	Alp1Cru	;	0.77;	30000;occ;	78;	0;	14243
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17; 718.6; 20-NOV-2004 05:48:40; Dark ; 50.5; 2; Alp Car ; -0.74; 7000;occ; 101; 0;14245
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32; 4470.0; 21-NOV-2004 23:05:33; Bright; 35.5; 83; ; 2.38; 11000;occ; 71; 0;14269
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5;-3532.3; 22-NOV-2004 08:36:23; Bright; 38.0; 173; 4Bet Tri ; 3.00; 8900;occ; 76; 0;14275
6;-3418.2; 22-NOV-2004 08:38:17; Bright; 39.5; 79; 26Bet Per ; 2.31; 13100;occ; 79; 0;14275
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13;-2211.0; 22-NOV-2004 08:58:24; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;14275
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13;-2212.2; 22-NOV-2004 12:19:34; Bright; 41.5; 119; 14Eta Dra ; 2.73; 4700;occ; 83; 0;14277
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13;-2210.0; 22-NOV-2004 14:00:13; Bright; 38.5; 119; 14Eta Dra ; 2.73; 4700;occ; 77; 0;14278
14;-2082.2; 22-NOV-2004 14:02:20; Bright; 46.0; 82; 48Bet UMa ; 2.37; 10600;occ; 92; 0;14278
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24; -61.0; 22-NOV-2004 14:36:02; Dark ; 45.5; 20; Bet Cru ; 1.25; 30000;occ; 91; 0;14278
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2; 875.8; 23-NOV-2004 21:02:25; Dark ; 109.5; 132; 15Rho Pup ; 2.80; 6900;occ; 219; 0;14297
3; 1066.1; 23-NOV-2004 21:05:36; Dark ; 75.5; 23; 21Eps CMA ; 1.50; 26000;occ; 151; 0;14297
4; 1224.5; 23-NOV-2004 21:08:14; Dark ; 41.5; 157; The1Eri ; 2.91; 9300;occ; 83; 0;14297
5; 1516.4; 23-NOV-2004 21:13:06; Dark ; 127.0; 1; 9Alp CMA ;-1.44; 11000;occ; 254; 0;14297
6; 1759.8; 23-NOV-2004 21:17:09; Dark ; 70.0; 7; 19Bet Ori ; 0.10; 14000;occ; 140; 0;14297
7; 1983.0; 23-NOV-2004 21:20:53; Dark ; 75.0; 30; 46Eps Ori ; 1.69; 30000;occ; 150; 0;14297
8; 2276.9; 23-NOV-2004 21:25:46; Bright; 38.5; 105; 6Bet Ari ; 2.64; 8900;occ; 77; 0;14297
9; 2505.6; 23-NOV-2004 21:29:35; Bright; 36.5; 173; 4Bet Tri ; 3.00; 8900;occ; 73; 0;14297
10; 2613.5; 23-NOV-2004 21:31:23; Bright; 40.0; 79; 26Bet Per ; 2.31; 13100;occ; 80; 0;14297
11; 2761.1; 23-NOV-2004 21:33:51; Bright; 39.0; 175; 39Del Per ; 3.01; 19400;occ; 78; 0;14297
12; 2915.8; 23-NOV-2004 21:36:25; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;14297
13; 2988.7; 23-NOV-2004 21:37:38; Bright; 38.0; 74; 11Bet Cas ; 2.27; 6600;occ; 76; 0;14297

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 15; 3693.5; 23-NOV-2004 21:49:23; Bright; 39.0; 60; 7Bet UMi ; 2.08; 3950;occ; 78; 0;14297  
 16; 3831.9; 23-NOV-2004 21:51:41; Bright; 36.5; 119; 14Eta Dra ; 2.73; 4700;occ; 73; 0;14297  
 17; 3948.8; 23-NOV-2004 21:53:38; Bright; 46.0; 82; 48Bet UMa ; 2.37; 10600;occ; 92; 0;14297  
 18; 4041.2; 23-NOV-2004 21:55:11; Bright; 41.0; 87; 64Gam UMa ; 2.43; 11000;occ; 82; 0;14297  
 19; 4131.2; 23-NOV-2004 21:56:41; Bright; 37.5; 39; 85Eta UMa ; 1.85; 24000;occ; 75; 0;14297  
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 21; 4474.8; 23-NOV-2004 22:02:24; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;14297  
 22; 4625.6; 23-NOV-2004 22:04:55; Bright; 35.5; 3; 16Alp Boo ; -0.05; 4250;occ; 71; 0;14297  
 23; 4793.6; 23-NOV-2004 22:07:43; Bright; 59.5; 96; 68Del Leo ; 2.56; 9300;occ; 119; 0;14297  
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 5; 12.9; 23-NOV-2004 22:28:38; Dark ; 50.0; 12; Alp1Cru ; 0.77; 30000;occ; 100; 0;14298  
 6; 159.8; 23-NOV-2004 22:31:05; Dark ; 39.5; 124; The Car ; 2.76; 30000;occ; 79; 0;14298  
 7; 324.3; 23-NOV-2004 22:33:50; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14298  
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 9; 514.8; 23-NOV-2004 22:37:00; Dark ; 50.5; 34; Gam2Vel ; 1.79; 23000;occ; 101; 0;14298  
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 22; 2988.4; 23-NOV-2004 23:18:14; Bright; 39.5; 74; 11Bet Cas ; 2.27; 6600;occ; 79; 0;14298  
 23; 3419.8; 23-NOV-2004 23:25:25; Bright; 36.5; 49; 1Alp UMi ; 1.99; 6300;occ; 73; 0;14298  
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 25; 3831.5; 23-NOV-2004 23:32:17; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;14298  
 26; 3948.4; 23-NOV-2004 23:34:14; Bright; 45.5; 82; 48Bet UMa ; 2.37; 10600;occ; 91; 0;14298  
 27; 4040.4; 23-NOV-2004 23:35:46; Bright; 44.0; 87; 64Gam UMa ; 2.43; 11000;occ; 88; 0;14298  
 28; 4130.9; 23-NOV-2004 23:37:16; Bright; 37.5; 39; 85Eta UMa ; 1.85; 24000;occ; 75; 0;14298  
 29; 4295.6; 23-NOV-2004 23:40:01; Bright; 39.0; 180; 27Gam Boo ; 3.04; 8000;occ; 78; 0;14298  
 30; 4475.0; 23-NOV-2004 23:43:00; Bright; 36.5; 83; ; 2.38; 11000;occ; 73; 0;14298  
 31; 4625.8; 23-NOV-2004 23:45:31; Bright; 35.0; 3; 16Alp Boo ; -0.05; 4250;occ; 70; 0;14298  
 32; 4795.2; 23-NOV-2004 23:48:21; Bright; 57.5; 96; 68Del Leo ; 2.56; 9300;occ; 115; 0;14298  
 33; 4993.0; 23-NOV-2004 23:51:38; Dark ; 120.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 240; 0;14298

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 4; -57.1; 24-NOV-2004 00:08:04; Dark ; 39.5; 20; Bet Cru ; 1.25; 30000;occ; 79; 0;14298  
 5; 12.5; 24-NOV-2004 00:09:14; Dark ; 45.5; 12; Alp1Cru ; 0.77; 30000;occ; 91; 0;14299  
 6; 159.4; 24-NOV-2004 00:11:41; Dark ; 40.5; 124; The Car ; 2.76; 30000;occ; 81; 0;14299  
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 9; 516.0; 24-NOV-2004 00:17:37; Dark ; 51.0; 34; Gam2Vel ; 1.79; 23000;occ; 102; 0;14299  
 10; 749.4; 24-NOV-2004 00:21:31; Dark ; 53.0; 2; Alp Car ; -0.74; 7000;occ; 106; 0;14299  
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 13; 1222.5; 24-NOV-2004 00:29:24; Dark ; 44.0; 157; The1Eri ; 2.91; 9300;occ; 88; 0;14299  
 14; 1517.0; 24-NOV-2004 00:34:18; Dark ; 128.0; 1; 9Alp CMA ; -1.44; 11000;occ; 256; 0;14299  
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 18; 2505.4; 24-NOV-2004 00:50:47; Bright; 36.5; 173; 4Bet Tri ; 3.00; 8900;occ; 73; 0;14299  
 19; 2612.5; 24-NOV-2004 00:52:34; Bright; 40.5; 79; 26Bet Per ; 2.31; 13100;occ; 81; 0;14299  
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 21; 2916.0; 24-NOV-2004 00:57:37; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;14299  
 22; 2988.6; 24-NOV-2004 00:58:50; Bright; 39.0; 74; 11Bet Cas ; 2.27; 6600;occ; 78; 0;14299



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25; 3831.8; 24-NOV-2004 01:12:53; Bright; 39.5; 119; 14Eta Dra ; 2.73; 4700;occ; 79; 0;14299
26; 3948.0; 24-NOV-2004 01:14:49; Bright; 44.0; 82; 48Bet UMa ; 2.37; 10600;occ; 88; 0;14299
27; 4040.1; 24-NOV-2004 01:16:21; Bright; 42.5; 87; 64Gam UMa ; 2.43; 11000;occ; 85; 0;14299
28; 4130.9; 24-NOV-2004 01:17:52; Bright; 36.0; 39; 85Eta UMa ; 1.85; 24000;occ; 72; 0;14299
29; 4296.4; 24-NOV-2004 01:20:38; Bright; 35.0; 180; 27Gam Boo ; 3.04; 8000;occ; 70; 0;14299
30; 4474.6; 24-NOV-2004 01:23:36; Bright; 38.5; 83; ; 2.38; 11000;occ; 77; 0;14299
31; 4626.2; 24-NOV-2004 01:26:07; Bright; 35.0; 3; 16Alp Boo ; -0.05; 4250;occ; 70; 0;14299
32; 4795.7; 24-NOV-2004 01:28:57; Bright; 60.0; 96; 68Del Leo ; 2.56; 9300;occ; 120; 0;14299
33; 4994.5; 24-NOV-2004 01:32:16; Dark ; 124.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 248; 0;14299
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3; -4519.8; 23-NOV-2004 17:51:54; Dark ; 128.5; 1; 9Alp CMa ; -1.44; 11000;occ; 257; 0;14295
4; -4273.4; 23-NOV-2004 17:56:00; Dark ; 73.0; 7; 19Bet Ori ; 0.10; 14000;occ; 146; 0;14295
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9; -3274.6; 23-NOV-2004 18:12:39; Bright; 39.0; 175; 39Del Per ; 3.01; 19400;occ; 78; 0;14295
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14; -2205.4; 23-NOV-2004 18:30:28; Bright; 40.5; 119; 14Eta Dra ; 2.73; 4700;occ; 81; 0;14295
15; -2086.7; 23-NOV-2004 18:32:27; Bright; 45.5; 82; 48Bet UMa ; 2.37; 10600;occ; 91; 0;14295
16; -1995.3; 23-NOV-2004 18:33:58; Bright; 42.5; 87; 64Gam UMa ; 2.43; 11000;occ; 85; 0;14295
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22; -1047.2; 23-NOV-2004 18:49:46; Dark ; 125.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 250; 0;14295
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27; 12.5; 23-NOV-2004 19:07:26; Dark ; 43.5; 12; Alp1Cru ; 0.77; 30000;occ; 87; 0;14296
28; 159.1; 23-NOV-2004 19:09:53; Dark ; 39.5; 124; The Car ; 2.76; 30000;occ; 79; 0;14296
29; 322.5; 23-NOV-2004 19:12:36; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14296
30; 421.7; 23-NOV-2004 19:14:15; Dark ; 43.5; 41; Eps Car ; 1.86; 4100;occ; 87; 0;14296
31; 512.6; 23-NOV-2004 19:15:46; Dark ; 50.0; 34; Gam2Vel ; 1.79; 23000;occ; 100; 0;14296
32; 750.0; 23-NOV-2004 19:19:44; Dark ; 59.0; 2; Alp Car ; -0.74; 7000;occ; 118; 0;14296
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11; -3120.8; 23-NOV-2004 19:55:49; Bright; 39.5; 68; 18Alp Cas ; 2.22; 4500;occ; 79; 0;14296
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21; -1410.5; 23-NOV-2004 20:24:19; Bright; 34.5; 3; 16Alp Boo ; -0.05; 4250;occ; 69; 0;14296
22; -1241.8; 23-NOV-2004 20:27:08; Bright; 57.0; 96; 68Del Leo ; 2.56; 9300;occ; 114; 0;14296

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29; 159.9; 23-NOV-2004 20:50:29; Dark ; 39.5; 124; The Car ; 2.76; 30000;occ; 79; 0;14297
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 5;-1902.4; 26-NOV-2004 06:57:05; Bright; 37.0; 39; 85Eta UMa ; 1.85; 24000;occ; 74; 0;14331

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8;-1404.3; 26-NOV-2004 07:05:23; Bright; 36.0; 3; 16Alp Boo ;-0.05; 4250;occ; 72; 0;14331  
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17; 274.8; 26-NOV-2004 07:33:22; Dark ; 40.5; 159; Ups Car ; 2.92; 7200;occ; 81; 0;14332  
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20; 546.9; 26-NOV-2004 07:37:54; Dark ; 64.0; 34; Gam2Vel ; 1.79; 23000;occ; 128; 0;14332  
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27; 175.7; 26-NOV-2004 09:12:19; Dark ; 39.0; 124; The Car ; 2.76; 30000;occ; 78; 0;14333  
28; 274.9; 26-NOV-2004 09:13:58; Dark ; 38.5; 159; Ups Car ; 2.92; 7200;occ; 77; 0;14333  
29; 354.1; 26-NOV-2004 09:15:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14333  
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31; 547.7; 26-NOV-2004 09:18:31; Dark ; 50.5; 34; Gam2Vel ; 1.79; 23000;occ; 101; 0;14333  
32; 641.9; 26-NOV-2004 09:20:05; Dark ; 62.5; 70; Zet Pup ; 2.25; 39000;occ; 125; 0;14333  
33; 772.2; 26-NOV-2004 09:22:15; Dark ; 59.0; 2; Alp Car ;-0.74; 7000;occ; 118; 0;14333  
34; 861.0; 26-NOV-2004 09:23:44; Dark ; 68.0; 117; Pi Pup ; 2.71; 3800;occ; 136; 0;14333  
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36; 1232.0; 26-NOV-2004 09:29:55; Dark ; 77.5; 179; 240mi2CMA ; 3.03; 24000;occ; 155; 0;14333  
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23; -528.6; 26-NOV-2004 10:41:10; Dark ; 47.0; 171; 2Eps Crv ; 3.00; 4250;occ; 94; 0;14333
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27; 175.9; 26-NOV-2004 10:52:55; Dark ; 38.0; 124; The Car ; 2.76; 30000;occ; 76; 0;14334
28; 275.2; 26-NOV-2004 10:54:34; Dark ; 39.5; 159; Ups Car ; 2.92; 7200;occ; 79; 0;14334
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26; 22.7; 26-NOV-2004 12:30:57; Dark ; 45.5; 12; Alp1Cru ; 0.77; 30000;occ; 91; 0;14335
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28; 275.7; 26-NOV-2004 12:35:10; Dark ; 39.0; 159; Ups Car ; 2.92; 7200;occ; 78; 0;14335
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8;-1396.5; 29-NOV-2004 05:30:39; Bright; 36.5; 3; 16Alp Boo ;-0.05; 4250;occ; 73; 0;14373
9;-1191.5; 29-NOV-2004 05:34:04; Bright; 70.0; 96; 68Del Leo ; 2.56; 9300;occ; 140; 0;14373
10;-886.9; 29-NOV-2004 05:39:09; Dark ; 201.5; 51; 41Gam1Leo ; 2.01; 4500;occ; 403; 0;14373
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12;-423.6; 29-NOV-2004 05:46:52; Dark ; 43.0; 123; Iot Cen ; 2.75; 10200;occ; 86; 0;14373
13;-177.7; 29-NOV-2004 05:50:58; Dark ; 40.5; 77; Eps Cen ; 2.30; 28000;occ; 81; 0;14373
14;-77.5; 29-NOV-2004 05:52:38; Dark ; 43.0; 10; Bet Cen ; 0.61; 28000;occ; 86; 0;14373
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16; 282.7; 29-NOV-2004 05:58:38; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14374
17; 470.3; 29-NOV-2004 06:01:46; Dark ; 48.0; 41; Eps Car ; 1.86; 4100;occ; 96; 0;14374
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21; 896.6; 29-NOV-2004 06:08:52; Dark ; 67.0; 117; Pi Pup ; 2.71; 3800;occ; 134; 0;14374
22; 1129.5; 29-NOV-2004 06:12:45; Dark ; 72.0; 23; 21Eps CMA ; 1.50; 26000;occ; 144; 0;14374
23; 1258.8; 29-NOV-2004 06:14:55; Dark ; 81.0; 179; 240mi2CMA ; 3.03; 24000;occ; 162; 0;14374
24; 1526.4; 29-NOV-2004 06:19:22; Dark ; 114.0; 1; 9Alp CMA ;-1.44; 11000;occ; 228; 0;14374
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26; 1941.3; 29-NOV-2004 06:26:17; Dark ; 69.5; 30; 46Eps Ori ; 1.69; 30000;occ; 139; 0;14374
27; 2106.9; 29-NOV-2004 06:29:03; Dark ; 65.5; 27; 24Gam Ori ; 1.64; 26000;occ; 131; 0;14374
28; 2238.4; 29-NOV-2004 06:31:14; Bright; 60.5; 13; 87Alp Tau ; 0.87; 3800;occ; 121; 0;14374
29; 2330.3; 29-NOV-2004 06:32:46; Bright; 42.0; 146; 25Eta Tau ; 2.87; 15200;occ; 84; 0;14374
30; 2473.4; 29-NOV-2004 06:35:09; Bright; 41.5; 150; 44Zet Per ; 2.89; 28000;occ; 83; 0;14374
31; 2604.6; 29-NOV-2004 06:37:20; Bright; 38.5; 79; 26Bet Per ; 2.31; 13100;occ; 77; 0;14374
32; 2740.8; 29-NOV-2004 06:39:37; Bright; 38.5; 175; 39Del Per ; 3.01; 19400;occ; 77; 0;14374
33; 2817.9; 29-NOV-2004 06:40:54; Bright; 38.5; 160; 23Gam Per ; 2.93; 4700;occ; 77; 0;14374
34; 2952.3; 29-NOV-2004 06:43:08; Bright; 37.0; 110; 37Del Cas ; 2.68; 8900;occ; 74; 0;14374
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13;-177.2; 29-NOV-2004 07:31:35; Dark ; 40.0; 77; Eps Cen ; 2.30; 28000;occ; 80; 0;14374
14;-77.7; 29-NOV-2004 07:33:14; Dark ; 43.5; 10; Bet Cen ; 0.61; 28000;occ; 87; 0;14374
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16; 285.5; 29-NOV-2004 07:39:17; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14375
17; 471.2; 29-NOV-2004 07:42:23; Dark ; 44.0; 41; Eps Car ; 1.86; 4100;occ; 88; 0;14375
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19; 794.8; 29-NOV-2004 07:47:47; Dark ; 58.0; 2; Alp Car ;-0.74; 7000;occ; 116; 0;14375
20; 899.2; 29-NOV-2004 07:49:31; Dark ; 67.0; 117; Pi Pup ; 2.71; 3800;occ; 134; 0;14375
21; 1128.4; 29-NOV-2004 07:53:20; Dark ; 74.5; 23; 21Eps CMA ; 1.50; 26000;occ; 149; 0;14375
22; 1259.2; 29-NOV-2004 07:55:31; Dark ; 79.0; 179; 240mi2CMA ; 3.03; 24000;occ; 158; 0;14375
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8;-3431.4; 29-NOV-2004 08:17:56; Bright; 38.5; 79; 26Bet Per ; 2.31; 13100;occ; 77; 0;14375
9;-3295.3; 29-NOV-2004 08:20:12; Bright; 37.5; 175; 39Del Per ; 3.01; 19400;occ; 75; 0;14375
10;-3218.2; 29-NOV-2004 08:21:29; Bright; 38.5; 160; 23Gam Per ; 2.93; 4700;occ; 77; 0;14375
11;-3083.1; 29-NOV-2004 08:23:44; Bright; 39.5; 110; 37Del Cas ; 2.68; 8900;occ; 79; 0;14375
12;-2616.8; 29-NOV-2004 08:31:31; Bright; 37.0; 49; 1Alp UMi ; 1.99; 6300;occ; 74; 0;14375
13;-2337.7; 29-NOV-2004 08:36:10; Bright; 43.0; 60; 7Bet UMi ; 2.08; 3950;occ; 86; 0;14375

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 17;-1899.1; 29-NOV-2004 08:43:29; Bright; 38.0; 39; 85Eta UMa ; 1.85; 24000;occ; 76; 0;14375  
 18;-1547.0; 29-NOV-2004 08:49:21; Bright; 35.0; 83; ; 2.38; 11000;occ; 70; 0;14375  
 19;-1396.1; 29-NOV-2004 08:51:52; Bright; 35.5; 3; 16Alp Boo ;-0.05; 4250;occ; 71; 0;14375  
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 22; -498.1; 29-NOV-2004 09:06:50; Dark ; 51.5; 171; 2Eps Crv ; 3.00; 4250;occ; 103; 0;14375  
 23; -177.3; 29-NOV-2004 09:12:10; Dark ; 41.5; 77; Eps Cen ; 2.30; 28000;occ; 83; 0;14375  
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 26; 288.3; 29-NOV-2004 09:19:56; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14376  
 27; 471.9; 29-NOV-2004 09:23:00; Dark ; 52.5; 41; Eps Car ; 1.86; 4100;occ; 105; 0;14376  
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 29; 794.9; 29-NOV-2004 09:28:23; Dark ; 50.5; 2; Alp Car ;-0.74; 7000;occ; 101; 0;14376  
 30; 898.3; 29-NOV-2004 09:30:06; Dark ; 69.0; 117; Pi Pup ; 2.71; 3800;occ; 138; 0;14376  
 31; 1129.2; 29-NOV-2004 09:33:57; Dark ; 77.0; 23; 21Eps CMa ; 1.50; 26000;occ; 154; 0;14376  
 32; 1261.7; 29-NOV-2004 09:36:09; Dark ; 74.5; 179; 240mi2CMa ; 3.03; 24000;occ; 149; 0;14376  
 33; 1526.6; 29-NOV-2004 09:40:34; Dark ; 103.5; 1; 9Alp CMa ;-1.44; 11000;occ; 207; 0;14376  
 34; 1751.6; 29-NOV-2004 09:44:19; Dark ; 52.5; 7; 19Bet Ori ; 0.10; 14000;occ; 105; 0;14376

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 4;-3798.6; 29-NOV-2004 09:52:25; Bright; 64.0; 13; 87Alp Tau ; 0.87; 3800;occ; 128; 0;14376  
 5;-3705.9; 29-NOV-2004 09:53:58; Bright; 40.0; 146; 25Eta Tau ; 2.87; 15200;occ; 80; 0;14376  
 6;-3562.6; 29-NOV-2004 09:56:21; Bright; 40.5; 150; 44Zet Per ; 2.89; 28000;occ; 81; 0;14376  
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 17;-1728.2; 29-NOV-2004 10:26:55; Bright; 37.0; 180; 27Gam Boo ; 3.04; 8000;occ; 74; 0;14376  
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 19;-1395.9; 29-NOV-2004 10:32:28; Bright; 36.0; 3; 16Alp Boo ;-0.05; 4250;occ; 72; 0;14376  
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 21; -878.0; 29-NOV-2004 10:41:05; Dark ; 227.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 454; 0;14376  
 22; -497.3; 29-NOV-2004 10:47:26; Dark ; 51.0; 171; 2Eps Crv ; 3.00; 4250;occ; 102; 0;14376  
 23; -177.1; 29-NOV-2004 10:52:46; Dark ; 38.0; 77; Eps Cen ; 2.30; 28000;occ; 76; 0;14376  
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 26; 291.2; 29-NOV-2004 11:00:35; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;14377  
 27; 472.1; 29-NOV-2004 11:03:36; Dark ; 46.0; 41; Eps Car ; 1.86; 4100;occ; 92; 0;14377  
 28; 587.4; 29-NOV-2004 11:05:31; Dark ; 50.0; 34; Gam2Vel ; 1.79; 23000;occ; 100; 0;14377  
 29; 795.5; 29-NOV-2004 11:08:59; Dark ; 57.0; 2; Alp Car ;-0.74; 7000;occ; 114; 0;14377  
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22; -874.8; 29-NOV-2004 12:21:45; Dark ; 248.0; 51; 41Gam1Leo ; 2.01; 4500;occ; 496; 0;14377
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32; 1130.7; 29-NOV-2004 12:55:10; Dark ; 71.5; 23; 21Eps CMa ; 1.50; 26000;occ; 143; 0;14378
33; 1263.4; 29-NOV-2004 12:57:23; Dark ; 77.5; 179; 240mi2CMa ; 3.03; 24000;occ; 155; 0;14378
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