

GOMOS Daily Report 03-APR-2004

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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.

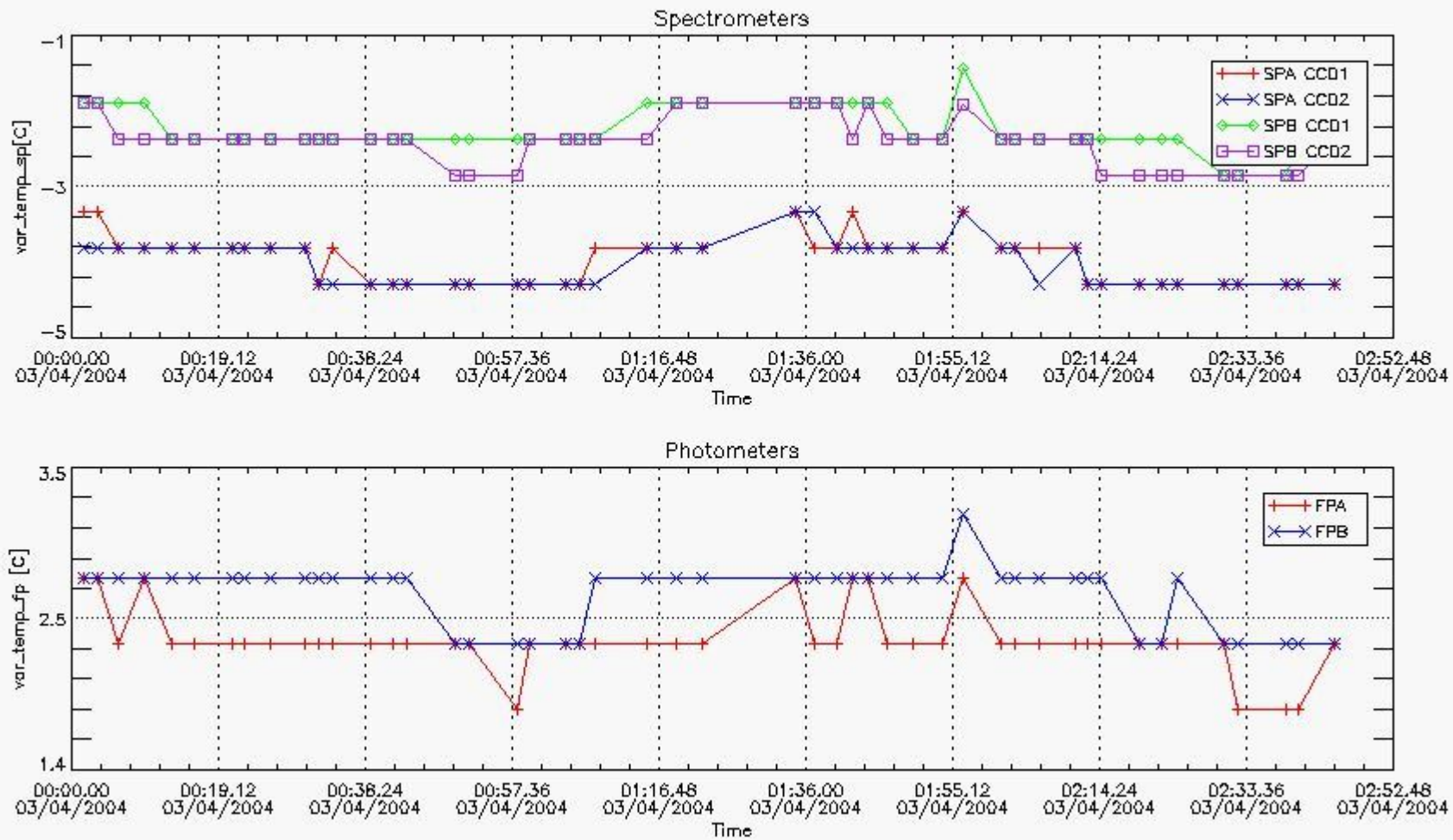
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Time of report generation	04APR2004 07:00:13
Data source version	GOMOS/4.02
Start time of products	03-APR-2004 (03APR2004 00:00:00)
Stop time of products	04-APR-2004 (04APR2004 00:00:00)
Store outputs flag	1
Nb of level 1b prods	48
Nb of prods with errors	1

2. Summary of products arrived in PCF

[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
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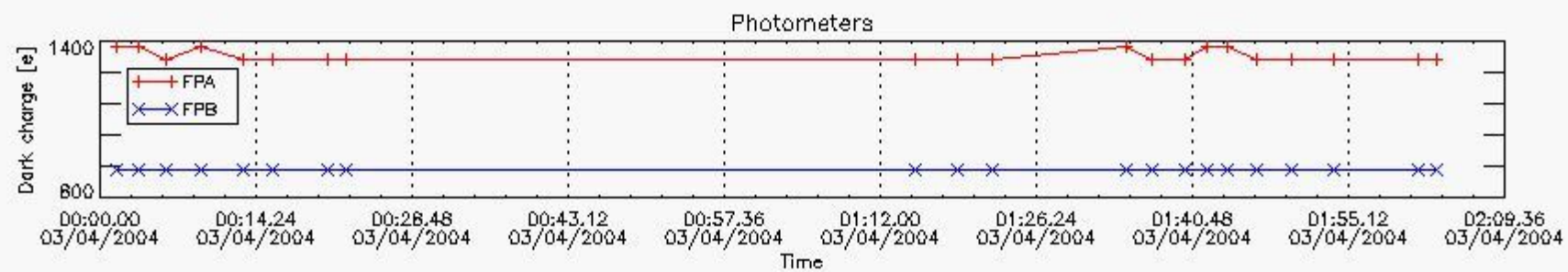
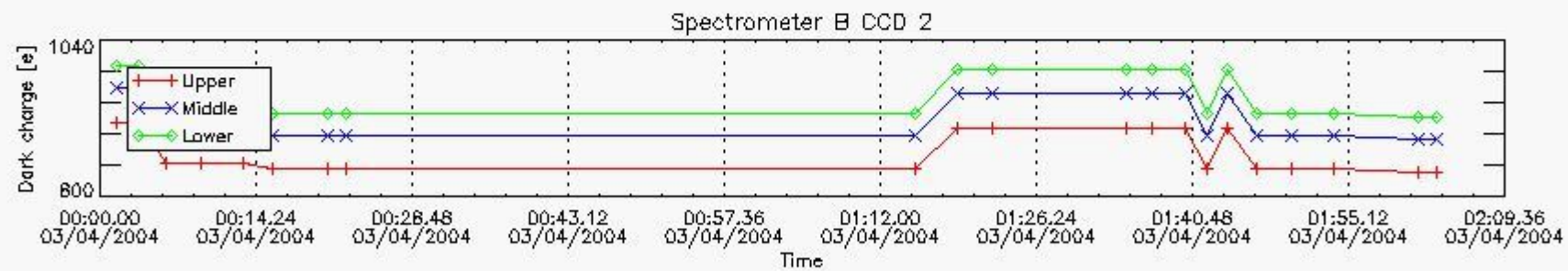
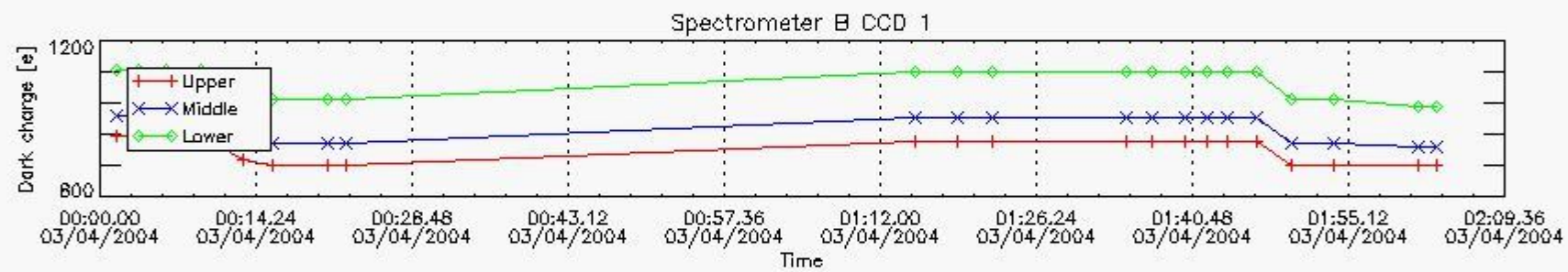
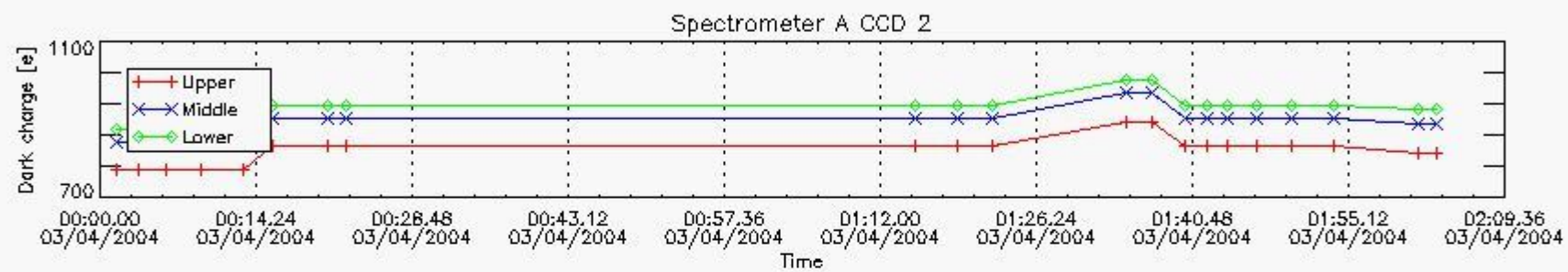
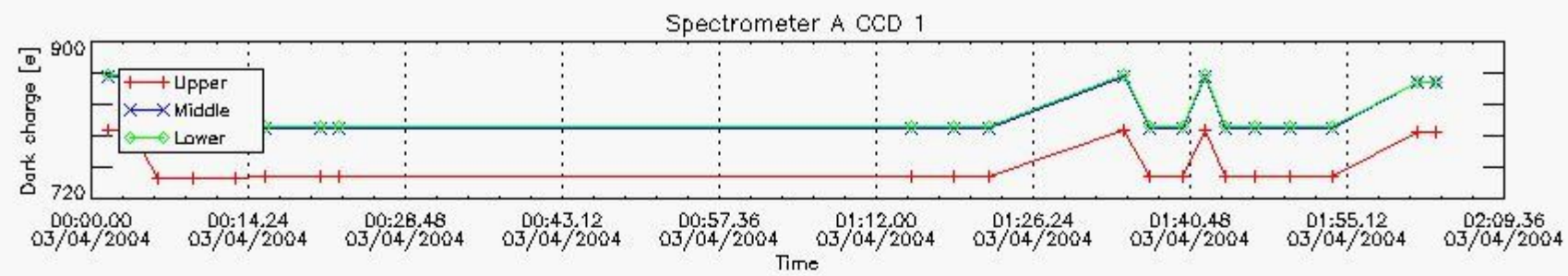
4. Overview of dark signal processing per product

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



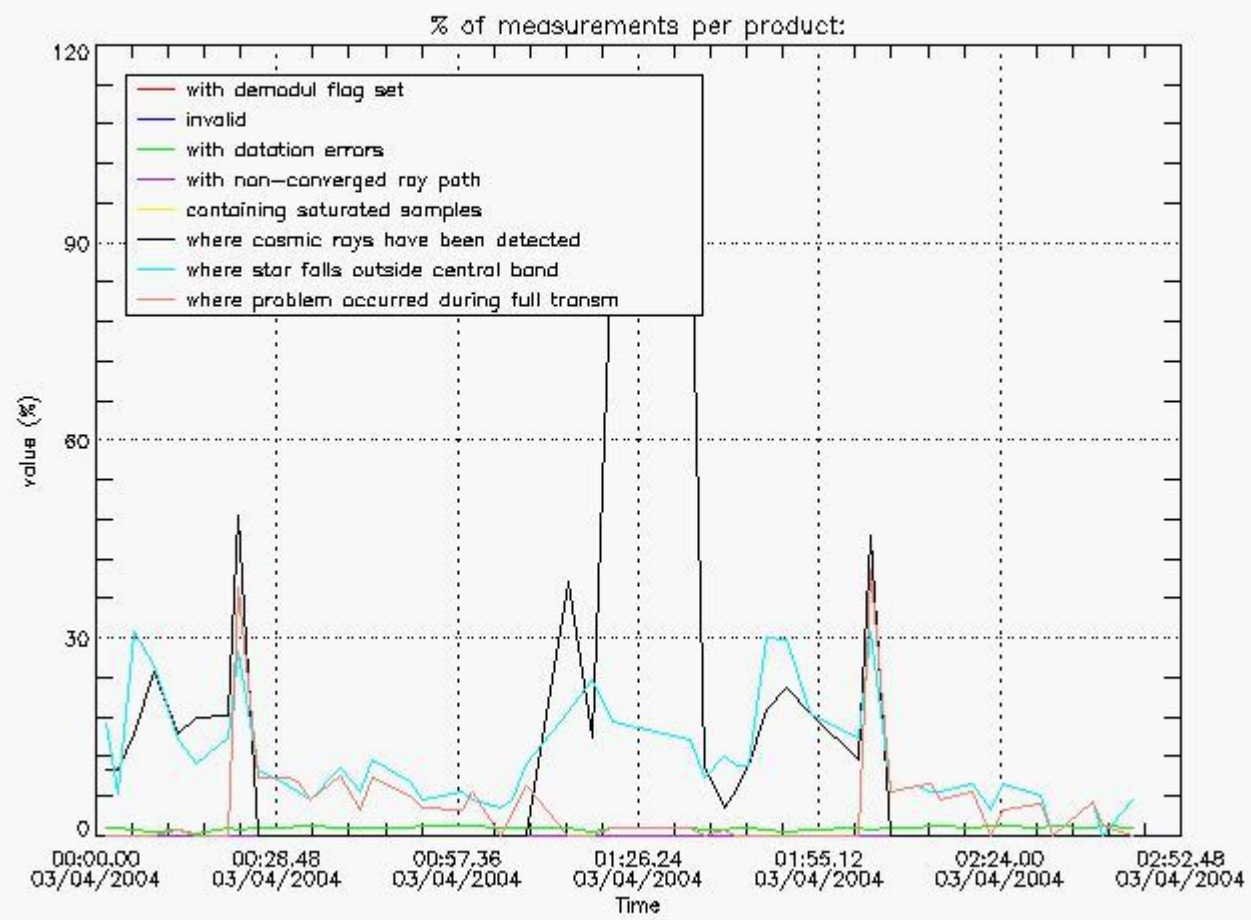
5. Demodulation flag and quality information monitoring

5.1 Percentage of products during reporting period with:

At least one measurement with demodulation flag set:	4.25532 %
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



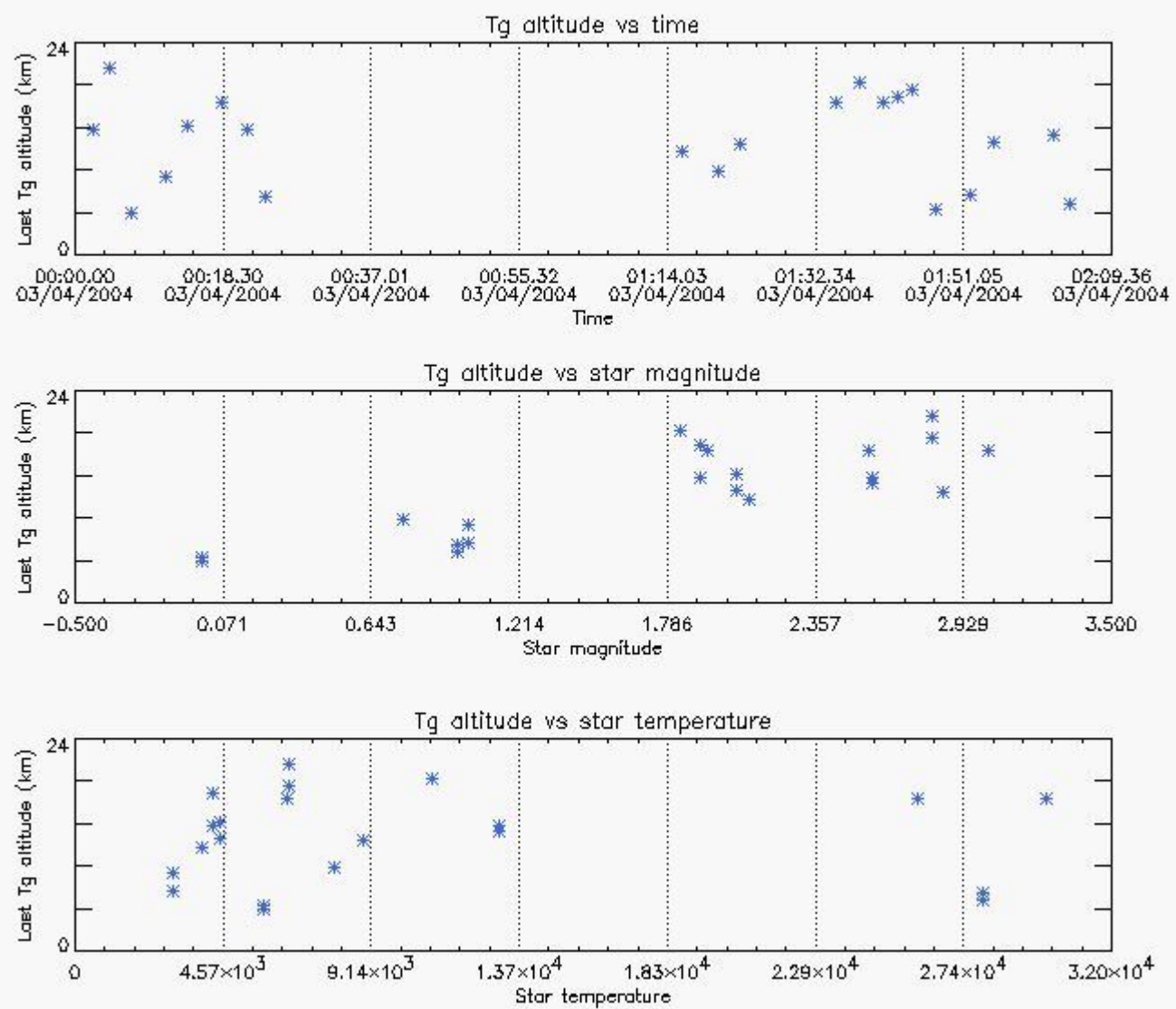
6. Statistics and plot of tangent altitude of the last measurement (DARK & BRIGHT products without errors)

6.1 Statistics on tangent altitude lost:

Statistics	DARK	BRIGHT
Mean:	12.814	20.883
St. deviation:	5.0856	2.3132
Maximum:	21.208	26.318
Minimum:	4.6774	16.820
Number of data:	21.000	26.000

6.2 Plot for DARK limb products

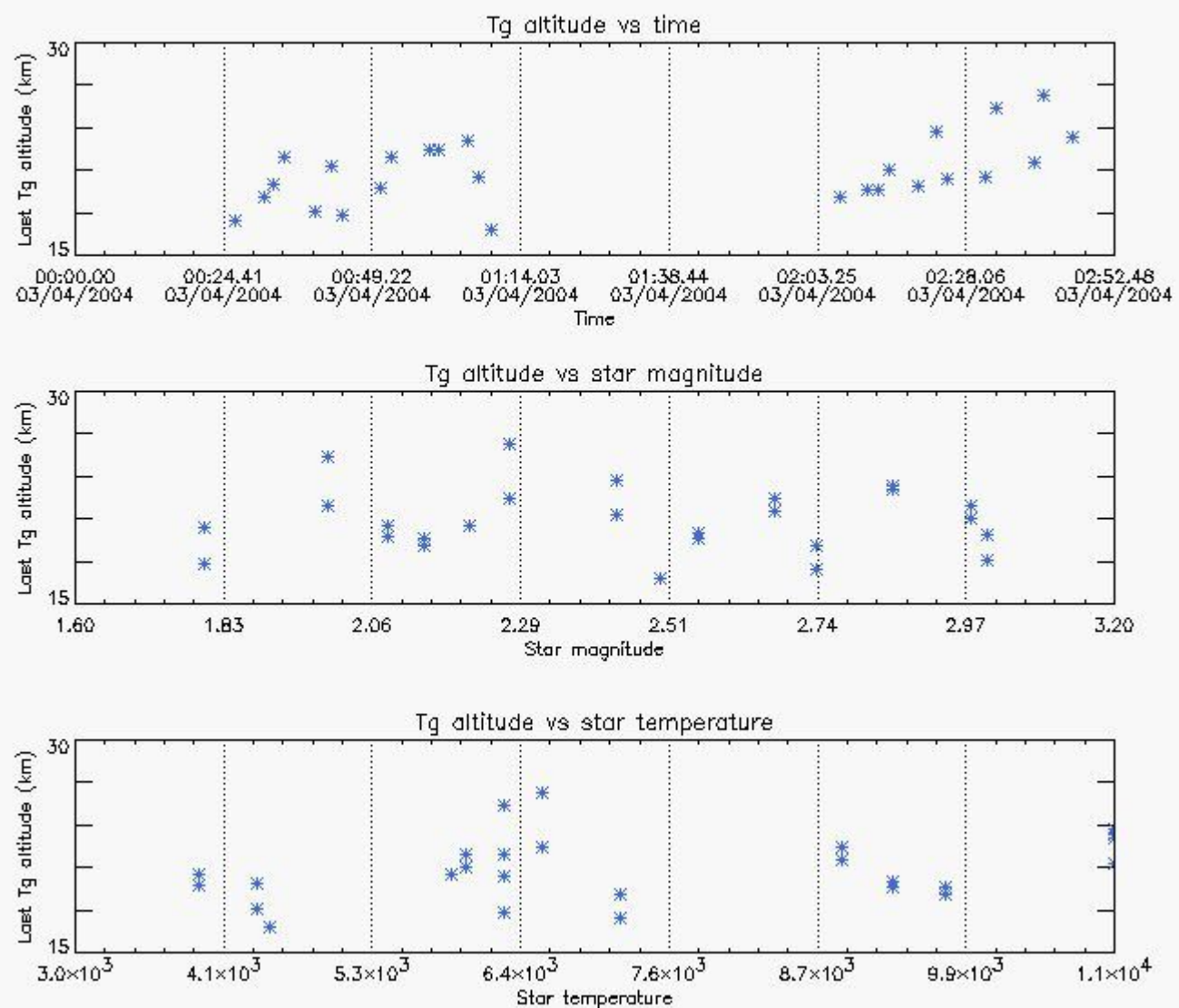
Tangent altitude at which the star is lost



6.3 Plot for BRIGHT limb products



Tangent altitude at which the star is lost



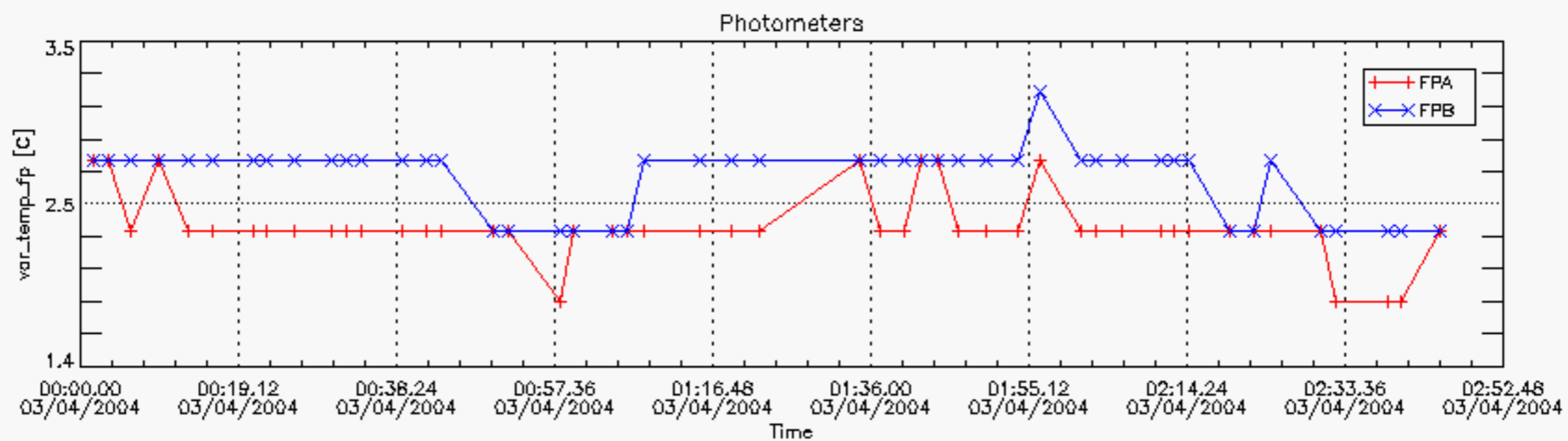
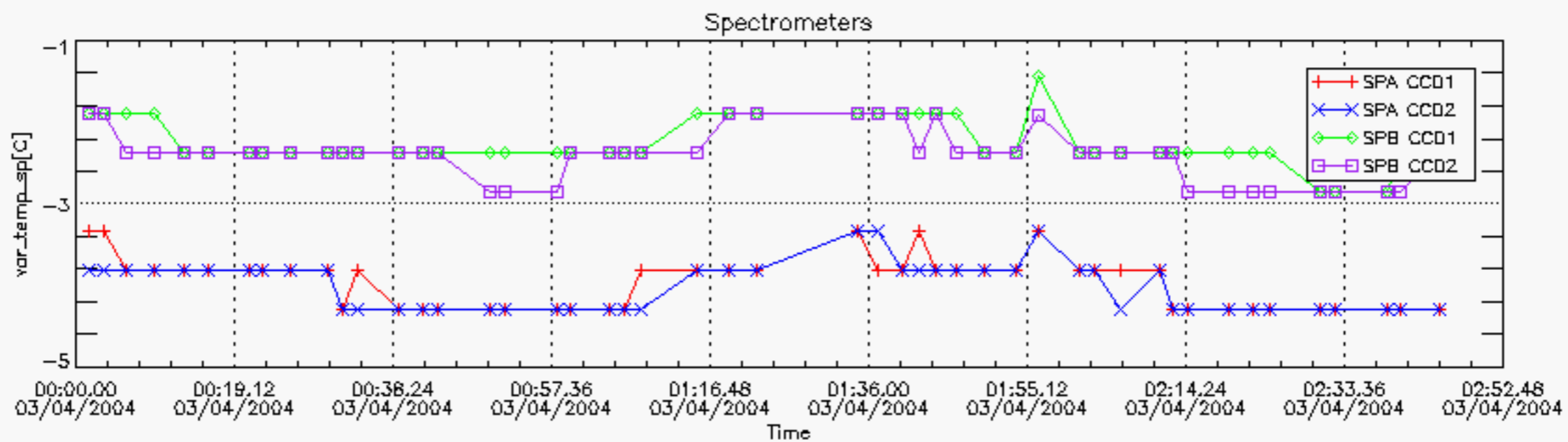
7. Statistics on SATU Noise Equivalent Angle (NEA) for DARK (D) and BRIGHT (B) products above 105 kms

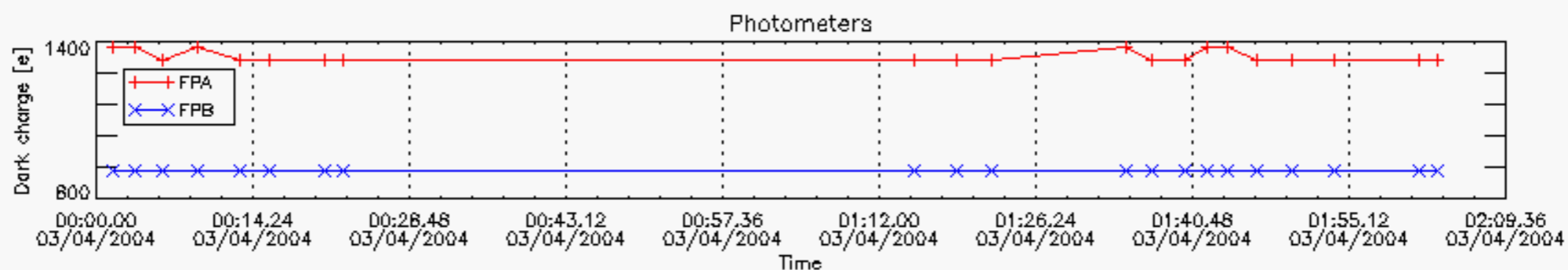
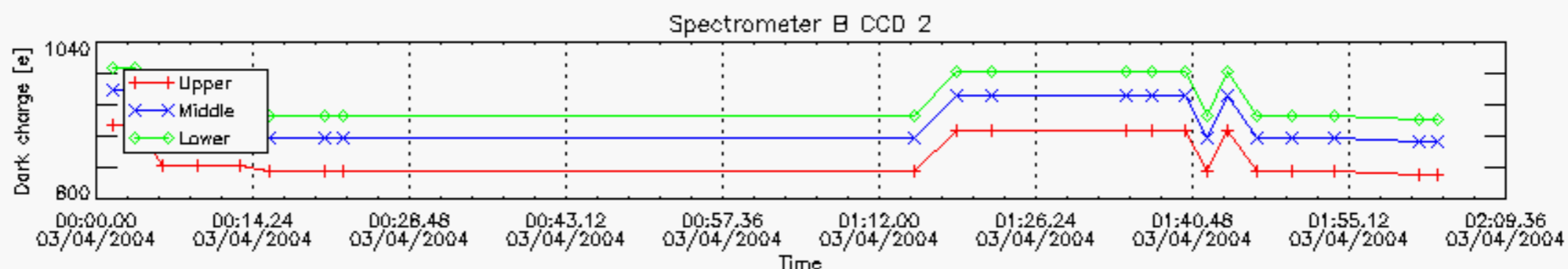
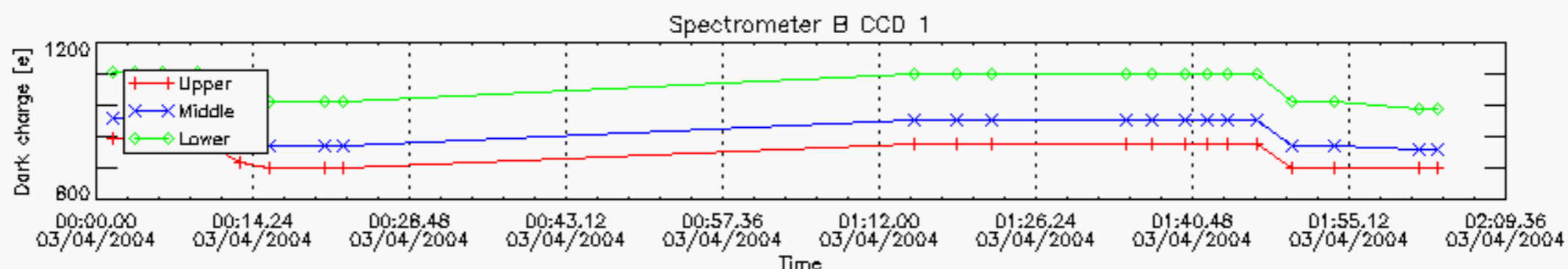
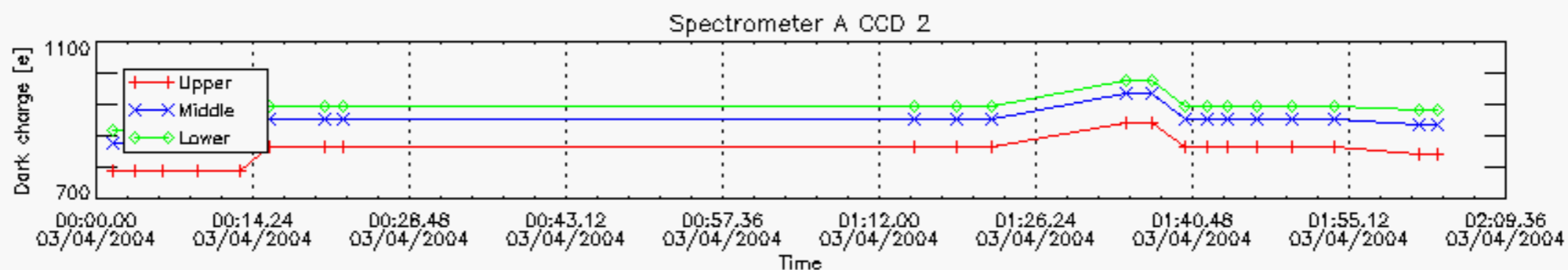
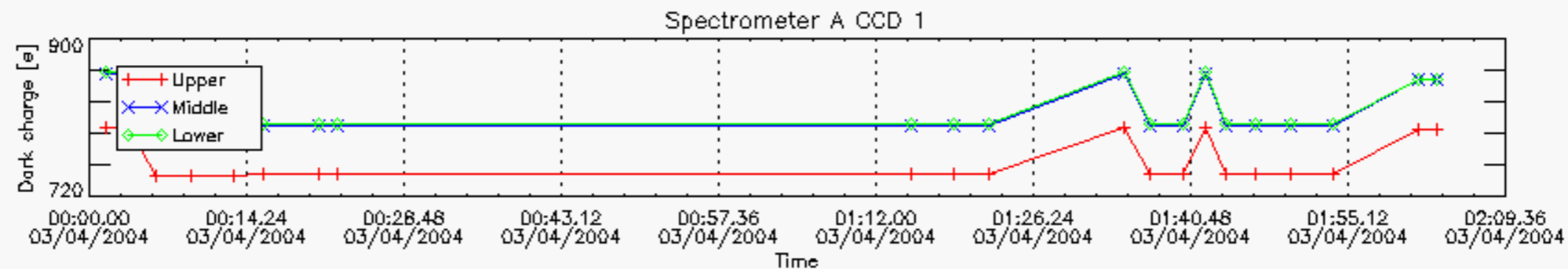
The Star Acquisition and Tracking Unit (it is the CCD that tracks the star while it is occulted) Noise Equivalent Angle consists of the statistical angular variation of the SATU data above the atmosphere. Statistics above 105 km are computed for every occultation, giving four values per occultation: 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.

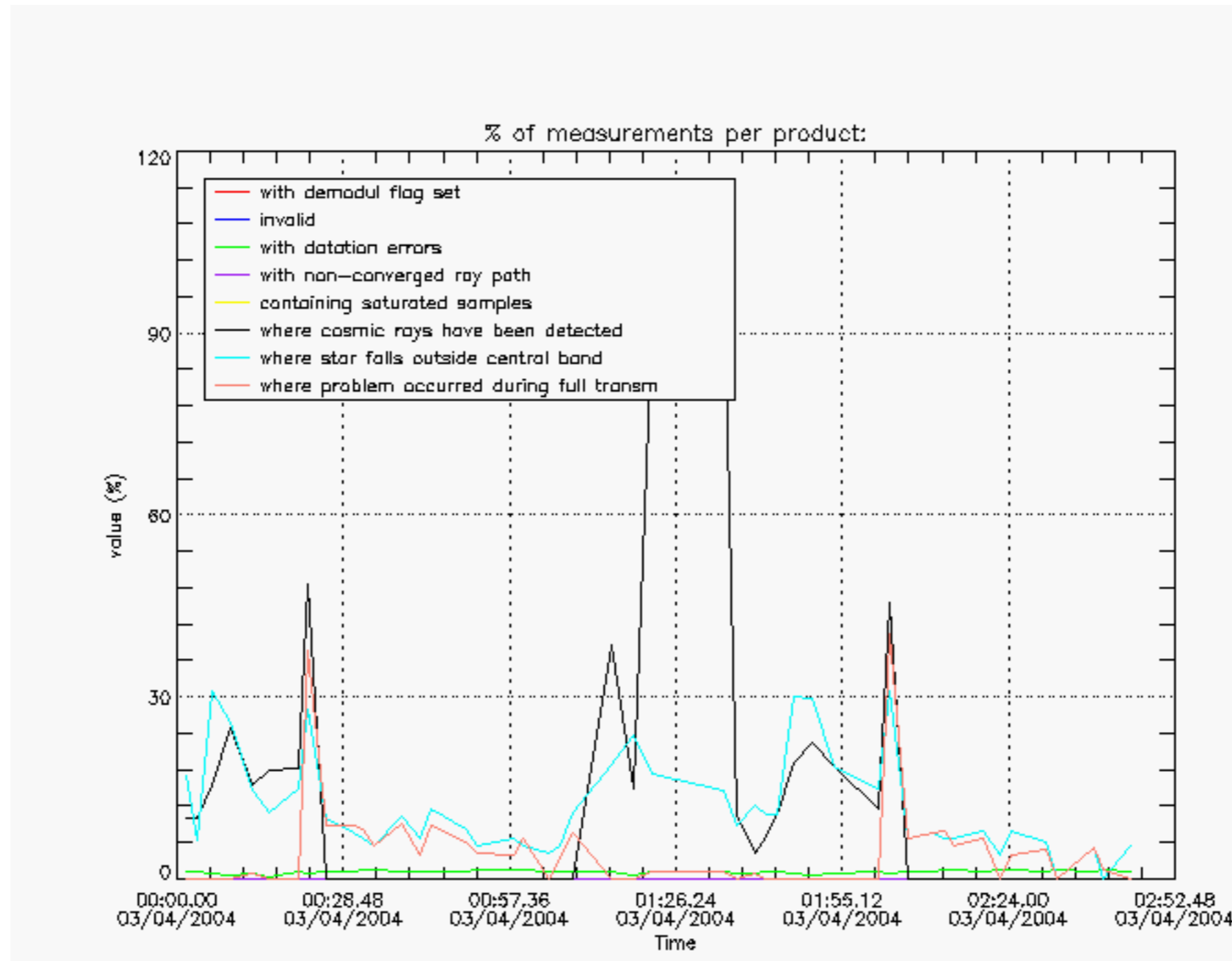
Statistics	SATU X (D)	SATU Y (D)	SATU X (B)	SATU Y (B)
Mean:	1462.5	1448.1	1460.8	1447.1
St. deviation:	4.7162	7.0268	7.9734	10.282
Maximum:	1503.0	1489.0	1517.0	1512.0
Minimum:	1449.0	1438.0	1416.0	1396.0
Number of data:	30250.	30250.	28000.	28000.



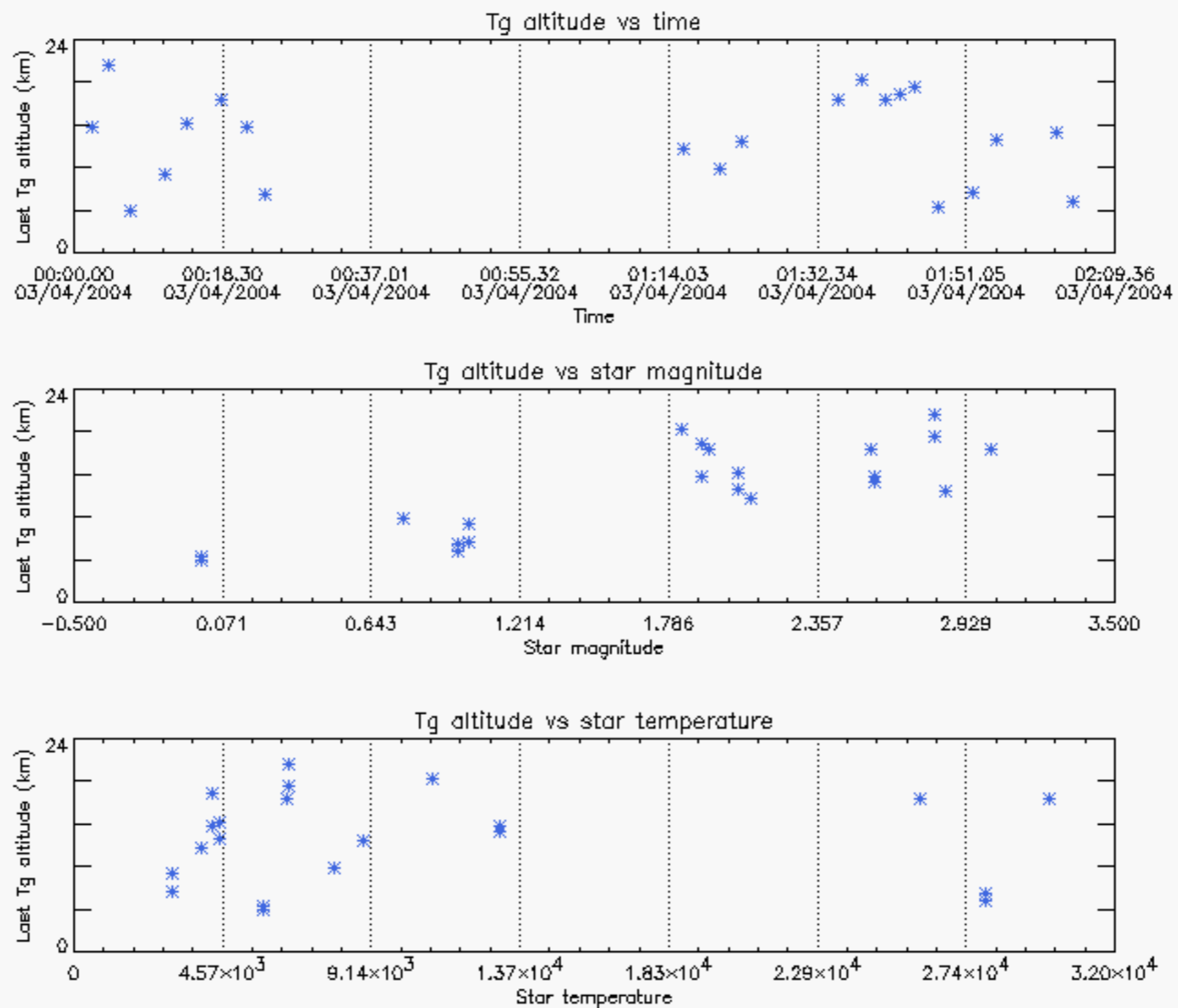




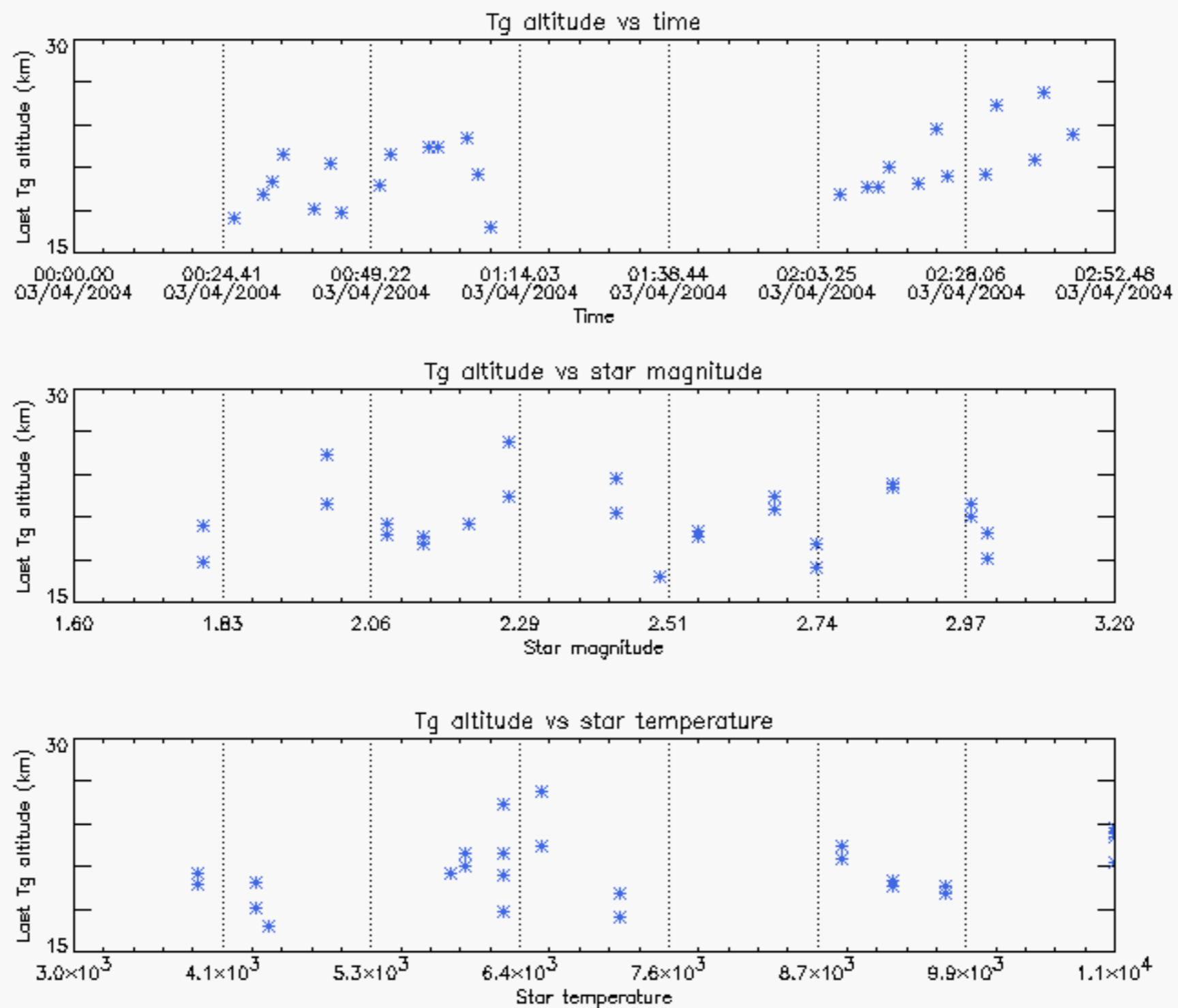




Tangent altitude at which the star is lost



Tangent altitude at which the star is lost



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 3;-4155.4; 01-APR-2004 03:09:48; Bright; 45.5; 121; 29Gam Vir ; 2.74; 7200;occ; 91; 0;10908
 4;-3877.7; 01-APR-2004 03:14:25; Bright; 40.5; 62; 94Bet Leo ; 2.14; 9700;occ; 81; 0;10908
 5;-3781.3; 01-APR-2004 03:16:02; Bright; 39.0; 96; 68Del Leo ; 2.56; 9300;occ; 78; 0;10908
 6;-3677.6; 01-APR-2004 03:17:45; Bright; 37.5; 166; 17Eps Leo ; 2.98; 6000;occ; 75; 0;10908
 7;-3561.1; 01-APR-2004 03:19:42; Bright; 67.5; 111; 8Eta Boo ; 2.68; 6000;occ; 135; 0;10908
 8;-3371.1; 01-APR-2004 03:22:52; Bright; 37.0; 174; 52Psi UMa ; 3.00; 4400;occ; 74; 0;10908
 9;-3190.5; 01-APR-2004 03:25:52; Bright; 39.5; 87; 64Gam UMa ; 2.43; 11000;occ; 79; 0;10908
 10;-3081.0; 01-APR-2004 03:27:42; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;10908
 11;-2702.2; 01-APR-2004 03:34:01; Bright; 41.5; 60; 7Bet UMi ; 2.08; 3950;occ; 83; 0;10908
 12;-2597.8; 01-APR-2004 03:35:45; Bright; 38.5; 49; 1Alp UMi ; 1.99; 6300;occ; 77; 0;10908
 13;-2198.5; 01-APR-2004 03:42:24; Bright; 36.0; 76; 27Gam Cas ; 2.30; 30000;occ; 72; 0;10908
 14;-2118.5; 01-APR-2004 03:43:44; Bright; 36.0; 68; 18Alp Cas ; 2.22; 4500;occ; 72; 0;10908
 15;-1838.8; 01-APR-2004 03:48:24; Bright; 47.0; 144; 18Del Cyg ; 2.86; 11000;occ; 94; 0;10908
 16;-1724.7; 01-APR-2004 03:50:18; Bright; 46.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 92; 0;10908
 17;-1602.9; 01-APR-2004 03:52:20; Bright; 41.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 83; 0;10908
 18;-1209.0; 01-APR-2004 03:58:54; Dark ; 49.0; 61; 8Eps Peg ; 2.10; 3900;occ; 98; 0;10908
 19;-991.8; 01-APR-2004 04:02:31; Dark ; 67.5; 11; 53Alp Aql ; 0.76; 8000;occ; 135; 0;10908
 20;-779.3; 01-APR-2004 04:06:04; Dark ; 42.0; 142; 49Del Cap ; 2.85; 8900;occ; 84; 0;10908
 21;-442.8; 01-APR-2004 04:11:40; Dark ; 41.0; 172; Gam Gru ; 3.00; 13100;occ; 82; 0;10908
 22;-307.8; 01-APR-2004 04:13:55; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;10908
 23;-46.5; 01-APR-2004 04:18:16; Dark ; 42.5; 45; Alp Pav ; 1.94; 26000;occ; 85; 0;10908
 24; 70.2; 01-APR-2004 04:20:13; Dark ; 65.0; 116; 19Del Sgr ; 2.70; 4100;occ; 130; 0;10909
 25; 302.0; 01-APR-2004 04:24:05; Dark ; 53.5; 40; The Sco ; 1.86; 7100;occ; 107; 0;10909
 26; 406.8; 01-APR-2004 04:25:50; Dark ; 45.0; 43; Alp TrA ; 1.91; 4250;occ; 90; 0;10909
 27; 518.4; 01-APR-2004 04:27:41; Dark ; 42.0; 134; Bet TrA ; 2.81; 6600;occ; 84; 0;10909
 28; 676.7; 01-APR-2004 04:30:20; Dark ; 46.5; 4; Alp1Cen ; -0.01; 5800;occ; 93; 0;10909
 29; 844.1; 01-APR-2004 04:33:07; Dark ; 108.5; 16; 21Alp Sco ; 1.02; 3000;occ; 217; 0;10909
 30; 1102.1; 01-APR-2004 04:37:25; Dark ; 54.5; 54; 5The Cen ; 2.06; 4500;occ; 109; 0;10909
 31; 1430.3; 01-APR-2004 04:42:53; Dark ; 50.5; 169; 46Gam Hya ; 2.99; 4700;occ; 101; 0;10909
 32; 1589.0; 01-APR-2004 04:45:32; Dark ; 9.5; 163; 7Del Crv ; 2.94; 11000;occ; 19; 0;10909

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 2;-4350.2; 01-APR-2004 04:47:09; Dark ; 66.5; 15; 67Alp Vir ; 0.98; 28000;occ; 133; 0;10909
 3;-4155.5; 01-APR-2004 04:50:23; Bright; 45.0; 121; 29Gam Vir ; 2.74; 7200;occ; 90; 0;10909
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 5;-3780.4; 01-APR-2004 04:56:39; Bright; 37.5; 96; 68Del Leo ; 2.56; 9300;occ; 75; 0;10909
 6;-3677.4; 01-APR-2004 04:58:21; Bright; 38.5; 166; 17Eps Leo ; 2.98; 6000;occ; 77; 0;10909
 7;-3562.4; 01-APR-2004 05:00:16; Bright; 67.5; 111; 8Eta Boo ; 2.68; 6000;occ; 135; 0;10909
 8;-3371.6; 01-APR-2004 05:03:27; Bright; 38.0; 174; 52Psi UMa ; 3.00; 4400;occ; 76; 0;10909
 9;-3191.1; 01-APR-2004 05:06:28; Bright; 37.5; 87; 64Gam UMa ; 2.43; 11000;occ; 75; 0;10909
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 11;-2703.1; 01-APR-2004 05:14:36; Bright; 43.0; 60; 7Bet UMi ; 2.08; 3950;occ; 86; 0;10909
 12;-2597.5; 01-APR-2004 05:16:21; Bright; 38.0; 49; 1Alp UMi ; 1.99; 6300;occ; 76; 0;10909
 13;-2198.4; 01-APR-2004 05:23:01; Bright; 38.0; 76; 27Gam Cas ; 2.30; 30000;occ; 76; 0;10909
 14;-2118.3; 01-APR-2004 05:24:21; Bright; 38.5; 68; 18Alp Cas ; 2.22; 4500;occ; 77; 0;10909
 15;-1838.9; 01-APR-2004 05:29:00; Bright; 45.5; 144; 18Del Cyg ; 2.86; 11000;occ; 91; 0;10909
 16;-1724.4; 01-APR-2004 05:30:54; Bright; 46.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 92; 0;10909
 17;-1603.4; 01-APR-2004 05:32:55; Bright; 46.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 92; 0;10909
 18;-1209.3; 01-APR-2004 05:39:30; Dark ; 50.0; 61; 8Eps Peg ; 2.10; 3900;occ; 100; 0;10909
 19; -991.7; 01-APR-2004 05:43:07; Dark ; 70.5; 11; 53Alp Aql ; 0.76; 8000;occ; 141; 0;10909
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 21; -442.0; 01-APR-2004 05:52:17; Dark ; 39.0; 172; Gam Gru ; 3.00; 13100;occ; 78; 0;10909
 22; -307.1; 01-APR-2004 05:54:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;10909
 23; -43.7; 01-APR-2004 05:58:55; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;10909
 24; 71.1; 01-APR-2004 06:00:50; Dark ; 64.0; 116; 19Del Sgr ; 2.70; 4100;occ; 128; 0;10910
 25; 284.1; 01-APR-2004 06:04:23; Dark ; 53.5; 85; Kap Sco ; 2.41; 28000;occ; 107; 0;10910
 26; 407.2; 01-APR-2004 06:06:26; Dark ; 48.5; 43; Alp TrA ; 1.91; 4250;occ; 97; 0;10910
 27; 518.8; 01-APR-2004 06:08:18; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;10910
 28; 677.1; 01-APR-2004 06:10:56; Dark ; 47.0; 4; Alp1Cen ;-0.01; 5800;occ; 94; 0;10910
 29; 811.9; 01-APR-2004 06:13:11; Dark ; 41.0; 12; Alp1Cru ; 0.77; 30000;occ; 82; 0;10910
 30; 899.0; 01-APR-2004 06:14:38; Dark ; 51.0; 26; Gam Cru ; 1.62; 2900;occ; 102; 0;10910
 31; 1015.9; 01-APR-2004 06:16:35; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;10910
 32; 1103.1; 01-APR-2004 06:18:02; Dark ; 53.0; 54; 5The Cen ; 2.06; 4500;occ; 106; 0;10910
 33; 1250.4; 01-APR-2004 06:20:29; Dark ; 159.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 318; 0;10910
 34; 1577.9; 01-APR-2004 06:25:57; Dark ; 34.5; 100; 4Gam Crv ; 2.58; 13100;occ; 69; 0;10910

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 5;-3780.4; 01-APR-2004 04:56:39; Bright; 37.5; 96; 68Del Leo ; 2.56; 9300;occ; 75; 0;10909
 6;-3677.4; 01-APR-2004 04:58:21; Bright; 38.5; 166; 17Eps Leo ; 2.98; 6000;occ; 77; 0;10909
 7;-3562.4; 01-APR-2004 05:00:16; Bright; 67.5; 111; 8Eta Boo ; 2.68; 6000;occ; 135; 0;10909
 8;-3371.6; 01-APR-2004 05:03:27; Bright; 38.0; 174; 52Psi UMa ; 3.00; 4400;occ; 76; 0;10909
 9;-3191.1; 01-APR-2004 05:06:28; Bright; 37.5; 87; 64Gam UMa ; 2.43; 11000;occ; 75; 0;10909
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 13;-2198.4; 01-APR-2004 05:23:01; Bright; 38.0; 76; 27Gam Cas ; 2.30; 30000;occ; 76; 0;10909
 14;-2118.3; 01-APR-2004 05:24:21; Bright; 38.5; 68; 18Alp Cas ; 2.22; 4500;occ; 77; 0;10909
 15;-1838.9; 01-APR-2004 05:29:00; Bright; 45.5; 144; 18Del Cyg ; 2.86; 11000;occ; 91; 0;10909
 16;-1724.4; 01-APR-2004 05:30:54; Bright; 46.0; 66; 37Gam Cyg ; 2.21; 5900;occ; 92; 0;10909
 17;-1603.4; 01-APR-2004 05:32:55; Bright; 46.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 92; 0;10909
 18;-1209.3; 01-APR-2004 05:39:30; Dark ; 50.0; 61; 8Eps Peg ; 2.10; 3900;occ; 100; 0;10909
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 21; -442.0; 01-APR-2004 05:52:17; Dark ; 39.0; 172; Gam Gru ; 3.00; 13100;occ; 78; 0;10909
 22; -307.1; 01-APR-2004 05:54:32; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;10909
 23; -43.7; 01-APR-2004 05:58:55; Dark ; 39.5; 45; Alp Pav ; 1.94; 26000;occ; 79; 0;10909
 24; 71.1; 01-APR-2004 06:00:50; Dark ; 64.0; 116; 19Del Sgr ; 2.70; 4100;occ; 128; 0;10910
 25; 284.1; 01-APR-2004 06:04:23; Dark ; 53.5; 85; Kap Sco ; 2.41; 28000;occ; 107; 0;10910
 26; 407.2; 01-APR-2004 06:06:26; Dark ; 48.5; 43; Alp TrA ; 1.91; 4250;occ; 97; 0;10910
 27; 518.8; 01-APR-2004 06:08:18; Dark ; 40.5; 134; Bet TrA ; 2.81; 6600;occ; 81; 0;10910
 28; 677.1; 01-APR-2004 06:10:56; Dark ; 47.0; 4; Alp1Cen ;-0.01; 5800;occ; 94; 0;10910
 29; 811.9; 01-APR-2004 06:13:11; Dark ; 41.0; 12; Alp1Cru ; 0.77; 30000;occ; 82; 0;10910
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 31; 1015.9; 01-APR-2004 06:16:35; Dark ; 41.0; 64; Gam Cen ; 2.20; 10600;occ; 82; 0;10910
 32; 1103.1; 01-APR-2004 06:18:02; Dark ; 53.0; 54; 5The Cen ; 2.06; 4500;occ; 106; 0;10910
 33; 1250.4; 01-APR-2004 06:20:29; Dark ; 159.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 318; 0;10910

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5;-3780.1; 01-APR-2004 06:37:15; Bright; 37.5; 96; 68Del Leo ; 2.56; 9300;occ; 75; 0;10910
6;-3677.0; 01-APR-2004 06:38:58; Bright; 36.5; 166; 17Eps Leo ; 2.98; 6000;occ; 73; 0;10910
7;-3563.9; 01-APR-2004 06:40:51; Bright; 67.0; 111; 8Eta Boo ; 2.68; 6000;occ; 134; 0;10910
8;-3371.7; 01-APR-2004 06:44:03; Bright; 39.0; 174; 52Psi UMa ; 3.00; 4400;occ; 78; 0;10910
9;-3190.7; 01-APR-2004 06:47:04; Bright; 39.0; 87; 64Gam UMa ; 2.43; 11000;occ; 78; 0;10910
10;-3080.0; 01-APR-2004 06:48:55; Bright; 37.5; 36; 50Alp UMa ; 1.80; 6300;occ; 75; 0;10910
11;-2702.7; 01-APR-2004 06:55:12; Bright; 38.5; 60; 7Bet UMi ; 2.08; 3950;occ; 77; 0;10910
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13;-2198.0; 01-APR-2004 07:03:37; Bright; 45.0; 76; 27Gam Cas ; 2.30; 30000;occ; 90; 0;10910
14;-2118.6; 01-APR-2004 07:04:56; Bright; 38.0; 68; 18Alp Cas ; 2.22; 4500;occ; 76; 0;10910
15;-1839.7; 01-APR-2004 07:09:35; Bright; 46.0; 144; 18Del Cyg ; 2.86; 11000;occ; 92; 0;10910
16;-1724.7; 01-APR-2004 07:11:30; Bright; 46.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 93; 0;10910
17;-1605.0; 01-APR-2004 07:13:30; Bright; 48.0; 92; 53Eps Cyg ; 2.50; 4500;occ; 96; 0;10910
18;-1209.1; 01-APR-2004 07:20:06; Dark ; 46.5; 61; 8Eps Peg ; 2.10; 3900;occ; 93; 0;10910
19;-989.8; 01-APR-2004 07:23:45; Dark ; 69.0; 11; 53Alp Aql ; 0.76; 8000;occ; 138; 0;10910
20;-778.2; 01-APR-2004 07:27:17; Dark ; 43.0; 142; 49Del Cap ; 2.85; 8900;occ; 86; 0;10910
21;-441.8; 01-APR-2004 07:32:53; Dark ; 40.5; 172; Gam Gru ; 3.00; 13100;occ; 81; 0;10910
22;-296.8; 01-APR-2004 07:35:18; Dark ; 40.5; 31; Alp Gru ; 1.73; 15200;occ; 81; 0;10910
23;-167.3; 01-APR-2004 07:37:28; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;10910
24;-43.3; 01-APR-2004 07:39:32; Dark ; 43.5; 45; Alp Pav ; 1.94; 26000;occ; 87; 0;10910
25; 73.3; 01-APR-2004 07:41:28; Dark ; 63.0; 116; 19Del Sgr ; 2.70; 4100;occ; 126; 0;10911
26; 285.7; 01-APR-2004 07:45:01; Dark ; 55.0; 85; Kap Sco ; 2.41; 28000;occ; 110; 0;10911
27; 408.0; 01-APR-2004 07:47:03; Dark ; 44.0; 43; Alp TrA ; 1.91; 4250;occ; 88; 0;10911
28; 519.6; 01-APR-2004 07:48:55; Dark ; 42.0; 134; Bet TrA ; 2.81; 6600;occ; 84; 0;10911
29; 677.8; 01-APR-2004 07:51:33; Dark ; 48.5; 4; Alp1Cen ; -0.01; 5800;occ; 97; 0;10911
30; 812.4; 01-APR-2004 07:53:47; Dark ; 46.0; 12; Alp1Cru ; 0.77; 30000;occ; 92; 0;10911
31; 899.6; 01-APR-2004 07:55:14; Dark ; 45.5; 26; Gam Cru ; 1.62; 2900;occ; 91; 0;10911
32; 1016.7; 01-APR-2004 07:57:12; Dark ; 41.5; 64; Gam Cen ; 2.20; 10600;occ; 83; 0;10911
33; 1103.3; 01-APR-2004 07:58:38; Dark ; 54.0; 54; 5The Cen ; 2.06; 4500;occ; 108; 0;10911
34; 1250.9; 01-APR-2004 08:01:06; Dark ; 154.0; 97; 8Bet1Sco ; 2.56; 30000;occ; 308; 0;10911
35; 1578.3; 01-APR-2004 08:06:33; Dark ; 44.0; 100; 4Gam Crv ; 2.58; 13100;occ; 88; 0;10911
36; 1686.6; 01-APR-2004 08:08:21; Dark ; 69.5; 15; 67Alp Vir ; 0.98; 28000;occ; 139; 0;10911

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3;-3877.0; 01-APR-2004 08:16:14; Bright; 39.0; 62; 94Bet Leo ; 2.14; 9700;occ; 78; 0;10911
4;-3779.9; 01-APR-2004 08:17:51; Bright; 37.5; 96; 68Del Leo ; 2.56; 9300;occ; 75; 0;10911
5;-3676.4; 01-APR-2004 08:19:34; Bright; 37.5; 166; 17Eps Leo ; 2.98; 6000;occ; 75; 0;10911
6;-3565.1; 01-APR-2004 08:21:26; Bright; 67.0; 111; 8Eta Boo ; 2.68; 6000;occ; 134; 0;10911
7;-3371.5; 01-APR-2004 08:24:39; Bright; 38.5; 174; 52Psi UMa ; 3.00; 4400;occ; 77; 0;10911
8;-3190.6; 01-APR-2004 08:27:40; Bright; 37.5; 87; 64Gam UMa ; 2.43; 11000;occ; 75; 0;10911
9;-3079.8; 01-APR-2004 08:29:31; Bright; 38.0; 36; 50Alp UMa ; 1.80; 6300;occ; 76; 0;10911
10;-2702.7; 01-APR-2004 08:35:48; Bright; 41.0; 60; 7Bet UMi ; 2.08; 3950;occ; 82; 0;10911
11;-2596.9; 01-APR-2004 08:37:34; Bright; 38.5; 49; 1Alp UMi ; 1.99; 6300;occ; 77; 0;10911
12;-2198.5; 01-APR-2004 08:44:12; Bright; 36.5; 76; 27Gam Cas ; 2.30; 30000;occ; 73; 0;10911
13;-2118.4; 01-APR-2004 08:45:32; Bright; 37.0; 68; 18Alp Cas ; 2.22; 4500;occ; 74; 0;10911
14;-1839.9; 01-APR-2004 08:50:11; Bright; 46.0; 144; 18Del Cyg ; 2.86; 11000;occ; 92; 0;10911
15;-1725.1; 01-APR-2004 08:52:06; Bright; 45.5; 66; 37Gam Cyg ; 2.21; 5900;occ; 91; 0;10911
16;-1603.1; 01-APR-2004 08:54:08; Bright; 45.5; 92; 53Eps Cyg ; 2.50; 4500;occ; 91; 0;10911
17;-1208.1; 01-APR-2004 09:00:43; Dark ; 46.0; 61; 8Eps Peg ; 2.10; 3900;occ; 92; 0;10911
18;-989.0; 01-APR-2004 09:04:22; Dark ; 79.5; 11; 53Alp Aql ; 0.76; 8000;occ; 159; 0;10911
19;-777.4; 01-APR-2004 09:07:53; Dark ; 40.0; 142; 49Del Cap ; 2.85; 8900;occ; 80; 0;10911
20;-441.6; 01-APR-2004 09:13:29; Dark ; 39.5; 172; Gam Gru ; 3.00; 13100;occ; 79; 0;10911
21;-296.4; 01-APR-2004 09:15:54; Dark ; 41.0; 31; Alp Gru ; 1.73; 15200;occ; 82; 0;10911
22;-166.9; 01-APR-2004 09:18:04; Dark ; 59.5; 0; ; 0.00; 0;occ; 119; 0;10911
23;-42.6; 01-APR-2004 09:20:08; Dark ; 40.5; 45; Alp Pav ; 1.94; 26000;occ; 81; 0;10911
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