

GOMOS Level 2 Daily Report

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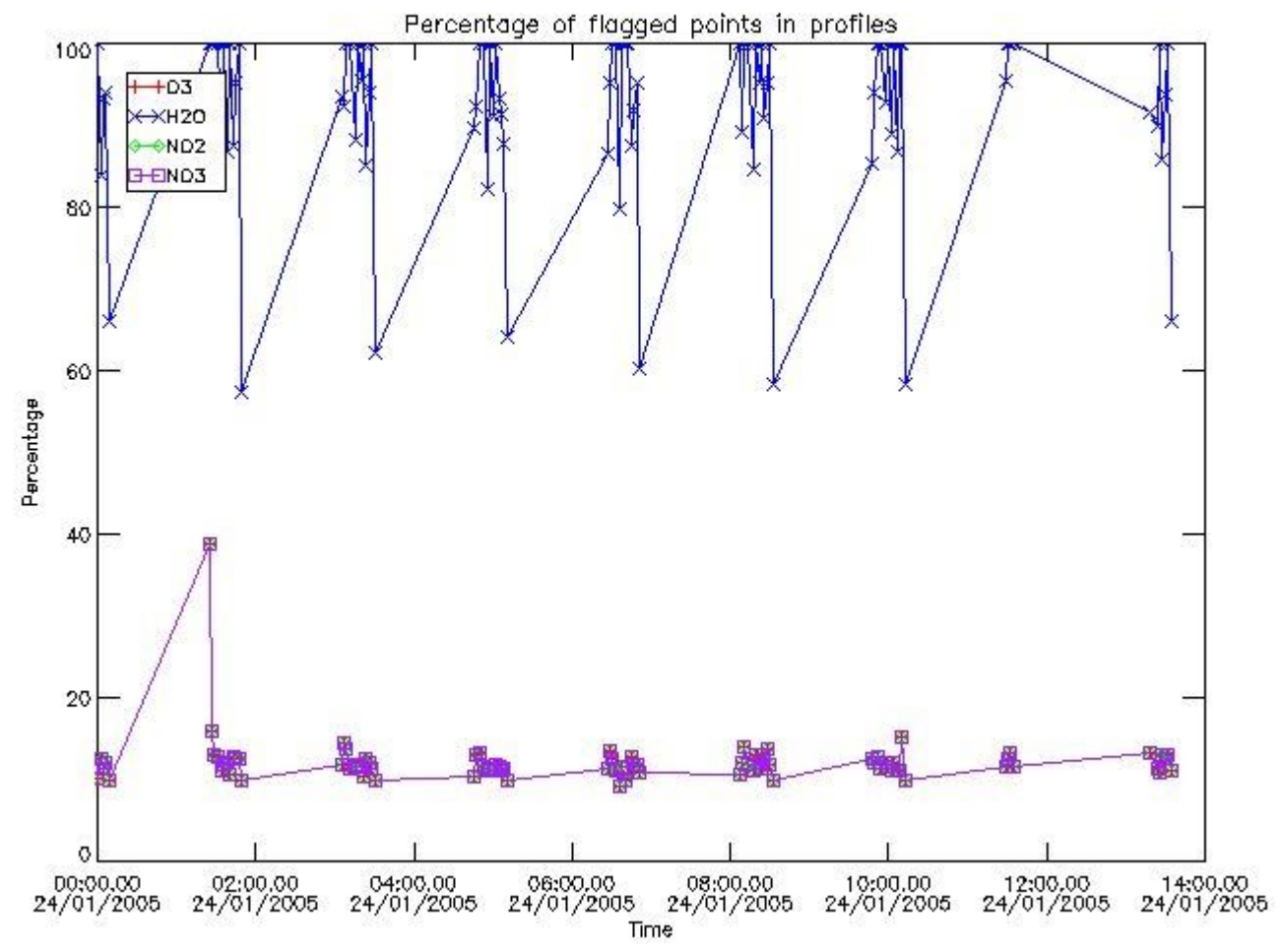
This report presents the daily analysis on parameters extracted from GOMOS level 2 data (GOM_NL__2P). It is intended to monitor some important parameters that will impact the quality of these products. A list of level 2 products (and content) that have arrived during the reporting day to the PCF is also given.

| Item | Value |
|---------------------------|---------------------------------|
| Time of report generation | 18APR2013 09:27:12 |
| Data source version | GOMOS/6.01 |
| Start time of products | 24-01-2005 (24JAN2005 00:00:00) |
| Stop time of products | 25-01-2005 (25JAN2005 00:00:00) |
| Store outputs in DB | Yes |
| Nb of level 2 prods | 269 |
| Nb of prods with errors | 0 |

2. Summary of processed GOM_NL__2P products.

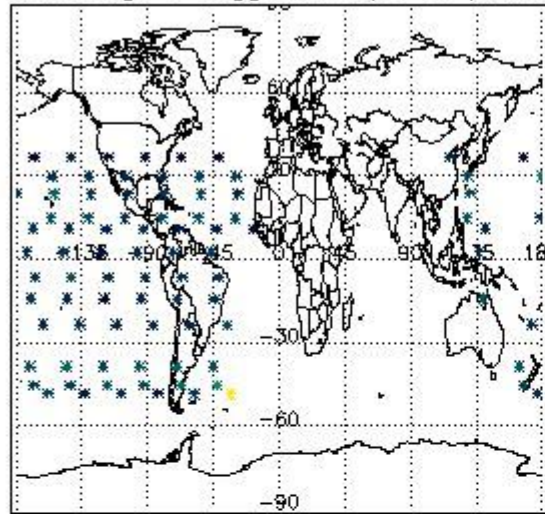
| Nr | Filename | UTC Start time | Limb | Duration | Star Id | Star Name | Star Mag | Star Temp | Nb Meas | Orbit | Prod. error |
|----|--|----------------------|------------|----------|---------|-----------|-----------|-----------|---------|-------|-------------|
| 1 | GOM_NL__2PRFIN20050124_000000_000000512034_00088_15172_8699.N1 | 24-JAN-2005 00:00:00 | Dark | 50.500 | 99 | Del Cen | 2.5750 | 26000. | 101 | 15172 | No |
| 2 | GOM_NL__2PRFIN20050124_000236_000000412034_00088_15172_8700.N1 | 24-JAN-2005 00:02:36 | Dark | 40.500 | 29 | Bet Car | 1.6720 | 10200. | 81 | 15172 | No |
| 3 | GOM_NL__2PRFIN20050124_000446_000000452034_00088_15172_8701.N1 | 24-JAN-2005 00:04:46 | Dark | 45.000 | 71 | lot Car | 2.2460 | 7700.0 | 90 | 15172 | No |
| 4 | GOM_NL__2PRFIN20050124_000635_000000432034_00088_15172_8702.N1 | 24-JAN-2005 00:06:35 | Dark | 42.500 | 46 | Del Vel | 1.9540 | 10600. | 85 | 15172 | No |
| 5 | GOM_NL__2PRFIN20050124_000905_000000522034_00088_15172_8703.N1 | 24-JAN-2005 00:09:05 | Dark | 52.000 | 2 | Alp Car | -0.73600 | 7000.0 | 104 | 15172 | No |
| 6 | GOM_NL__2PRFIN20050124_001118_000000412034_00088_15172_8704.N1 | 24-JAN-2005 00:11:18 | Straylight | 41.000 | 70 | Zet Pup | 2.2460 | 39000. | 82 | 15172 | No |
| 7 | GOM_NL__2PRFIN20050124_001248_000000442034_00088_15172_8705.N1 | 24-JAN-2005 00:12:48 | Straylight | 44.000 | 117 | Pi Pup | 2.7060 | 3800.0 | 88 | 15172 | No |
| 8 | GOM_NL__2PRFIN20050124_001516_000000442034_00088_15172_8706.N1 | 24-JAN-2005 00:15:16 | Straylight | 43.500 | 23 | 21Eps CMa | 1.5020 | 26000. | 87 | 15172 | No |
| 9 | GOM_NL__2PRFIN20050124_001639_000000412034_00088_15172_8707.N1 | 24-JAN-2005 00:16:39 | Straylight | 40.500 | 179 | 24Omi2CMa | 3.0320 | 24000. | 81 | 15172 | No |
| 10 | GOM_NL__2PRFIN20050124_001849_000000452034_00088_15172_8708.N1 | 24-JAN-2005 00:18:49 | Straylight | 45.000 | 1 | 9Alp CMa | -1.4400 | 11000. | 90 | 15172 | No |
| 11 | GOM_NL__2PRFIN20050124_002103_000000622034_00088_15172_8709.N1 | 24-JAN-2005 00:21:03 | Straylight | 62.000 | 48 | 30Alp Hya | 1.9770 | 4100.0 | 124 | 15172 | No |
| 12 | GOM_NL__2PRFIN20050124_002355_000000432034_00088_15172_8710.N1 | 24-JAN-2005 00:23:55 | Twilight | 43.000 | 30 | 46Eps Ori | 1.6940 | 30000. | 86 | 15172 | No |
| 13 | GOM_NL__2PRFIN20050124_002601_000000472034_00088_15172_8711.N1 | 24-JAN-2005 00:26:01 | Bright | 46.500 | 14 | 58Alp Ori | 0.87000 | 3000.0 | 93 | 15172 | No |
| 14 | GOM_NL__2PRFIN20050124_002809_000000412034_00088_15172_8712.N1 | 24-JAN-2005 00:28:09 | Bright | 41.000 | 44 | 24Gam Gem | 1.9280 | 11000. | 82 | 15172 | No |
| 15 | GOM_NL__2PRFIN20050124_002955_000000432034_00088_15172_8713.N1 | 24-JAN-2005 00:29:55 | Bright | 42.500 | 151 | 13Mu Gem | 2.8900 | 3000.0 | 85 | 15172 | No |
| 16 | GOM_NL__2PRFIN20050124_003159_000000472034_00088_15172_8714.N1 | 24-JAN-2005 00:31:59 | Bright | 47.000 | 17 | 78Bet Gem | 1.1610 | 4500.0 | 94 | 15172 | No |
| 17 | GOM_NL__2PRFIN20050124_003409_000000372034_00088_15172_8715.N1 | 24-JAN-2005 00:34:09 | Bright | 37.000 | 107 | 37The Aur | 2.6490 | 11000. | 74 | 15172 | No |
| 18 | GOM_NL__2PRFIN20050124_003617_000000382034_00088_15172_8716.N1 | 24-JAN-2005 00:36:17 | Bright | 38.000 | 42 | 34Bet Aur | 1.9000 | 10200. | 76 | 15172 | No |
| 19 | GOM_NL__2PRFIN20050124_003957_000001412034_00088_15172_8717.N1 | 24-JAN-2005 00:39:57 | Bright | 141.00 | 51 | 41Gam1Leo | 2.0100 | 4500.0 | 282 | 15172 | No |
| 20 | GOM_NL__2PRFIN20050124_004848_000000382034_00088_15172_8718.N1 | 24-JAN-2005 00:48:48 | Bright | 38.000 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 76 | 15172 | No |
| 21 | GOM_NL__2PRFIN20050124_005220_000000422034_00088_15172_8719.N1 | 24-JAN-2005 00:52:20 | Bright | 42.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 84 | 15172 | No |
| 22 | GOM_NL__2PRFIN20050124_005419_000000382034_00088_15172_8720.N1 | 24-JAN-2005 00:54:19 | Bright | 37.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 75 | 15172 | No |
| 23 | GOM_NL__2PRFIN20050124_005653_000000412034_00088_15172_8721.N1 | 24-JAN-2005 00:56:53 | Bright | 41.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 82 | 15172 | No |
| 24 | GOM_NL__2PRFIN20050124_005948_000000382034_00088_15172_8722.N1 | 24-JAN-2005 00:59:48 | Bright | 37.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 75 | 15172 | No |
| 25 | GOM_NL__2PRFIN20050124_010146_000001142034_00088_15172_8723.N1 | 24-JAN-2005 01:01:46 | Bright | 113.50 | 152 | 12Alp2CVn | 2.8900 | 11000. | 227 | 15172 | No |
| 26 | GOM_NL__2PRFIN20050124_010613_000000422034_00088_15172_8724.N1 | 24-JAN-2005 01:06:13 | Bright | 41.500 | 133 | 40Zet Her | 2.8070 | 6000.0 | 83 | 15172 | No |
| 27 | GOM_NL__2PRFIN20050124_010935_000000772034_00088_15172_8725.N1 | 24-JAN-2005 01:09:35 | Bright | 77.000 | 83 | | 2.3780 | 11000. | 154 | 15172 | No |
| 28 | GOM_NL__2PRFIN20050124_011316_000000382034_00088_15172_8726.N1 | 24-JAN-2005 01:13:16 | Bright | 37.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 75 | 15172 | No |
| 29 | GOM_NL__2PRFIN20050124_011553_000001382034_00088_15172_8727.N1 | 24-JAN-2005 01:15:53 | Twilight | 138.00 | 3 | 16Alp Boo | -0.050000 | 4250.0 | 276 | 15172 | No |
| 30 | GOM_NL__2PRFIN20050124_012326_000000472034_00088_15172_8728.N1 | 24-JAN-2005 01:23:26 | Twilight | 47.000 | 16 | 21Alp Sco | 1.0200 | 3000.0 | 94 | 15172 | No |
| 31 | GOM_NL__2PRFIN20050124_012452_000000452034_00088_15172_8729.N1 | 24-JAN-2005 01:24:52 | Dark | 44.500 | 75 | 26Eps Sco | 2.2910 | 4250.0 | 89 | 15172 | No |
| 32 | GOM_NL__2PRFIN20050124_012621_000000422034_00088_15172_8730.N1 | 24-JAN-2005 01:26:21 | Dark | 41.500 | 40 | The Sco | 1.8590 | 7100.0 | 83 | 15172 | No |
| 33 | GOM_NL__2PRFIN20050124_012817_000000392034_00088_15172_8731.N1 | 24-JAN-2005 01:28:17 | Dark | 39.000 | 147 | Alp Ara | 2.8770 | 26000. | 78 | 15172 | No |
| 34 | GOM_NL__2PRFIN20050124_013101_000000442034_00088_15172_8732.N1 | 24-JAN-2005 01:31:01 | Dark | 44.000 | 109 | Bet Lup | 2.6770 | 26000. | 88 | 15172 | No |
| 35 | GOM_NL__2PRFIN20050124_013434_000000462034_00089_15173_8697.N1 | 24-JAN-2005 01:34:34 | Dark | 45.500 | 4 | Alp1Cen | -0.010000 | 5800.0 | 91 | 15173 | No |
| 36 | GOM_NL__2PRFIN20050124_013603_000000442034_00089_15173_8698.N1 | 24-JAN-2005 01:36:03 | Dark | 43.500 | 77 | Eps Cen | 2.3030 | 28000. | 87 | 15173 | No |
| 37 | GOM_NL__2PRFIN20050124_013908_000000422034_00089_15173_8699.N1 | 24-JAN-2005 01:39:08 | Dark | 42.000 | 12 | Alp1Cru | 0.77500 | 30000. | 84 | 15173 | No |
| 38 | GOM_NL__2PRFIN20050124_014038_000000482034_00089_15173_8700.N1 | 24-JAN-2005 01:40:38 | Dark | 48.000 | 99 | Del Cen | 2.5750 | 26000. | 96 | 15173 | No |
| 39 | GOM_NL__2PRFIN20050124_014312_000000402034_00089_15173_8701.N1 | 24-JAN-2005 01:43:12 | Dark | 40.000 | 29 | Bet Car | 1.6720 | 10200. | 80 | 15173 | No |
| 40 | GOM_NL__2PRFIN20050124_014522_000000412034_00089_15173_8702.N1 | 24-JAN-2005 01:45:22 | Dark | 41.000 | 71 | lot Car | 2.2460 | 7700.0 | 82 | 15173 | No |
| 41 | GOM_NL__2PRFIN20050124_014711_000000412034_00089_15173_8703.N1 | 24-JAN-2005 01:47:11 | Dark | 41.000 | 46 | Del Vel | 1.9540 | 10600. | 82 | 15173 | No |
| 42 | GOM_NL__2PRFIN20050124_014941_000000522034_00089_15173_8704.N1 | 24-JAN-2005 01:49:41 | Dark | 52.000 | 2 | Alp Car | -0.73600 | 7000.0 | 104 | 15173 | No |

3.1 Plot quality information per product (time dependant)

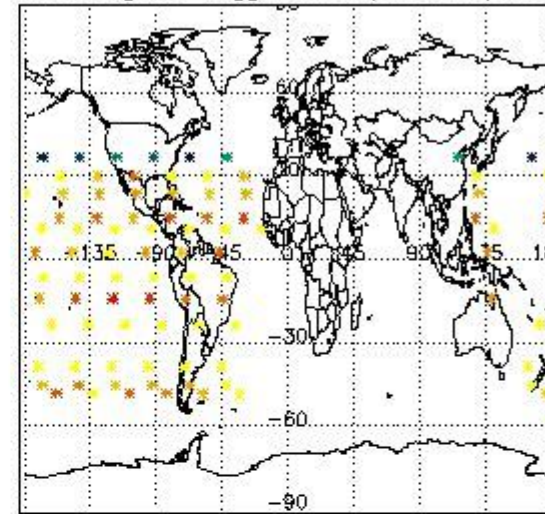


3.2 Plot quality information per product (world map)

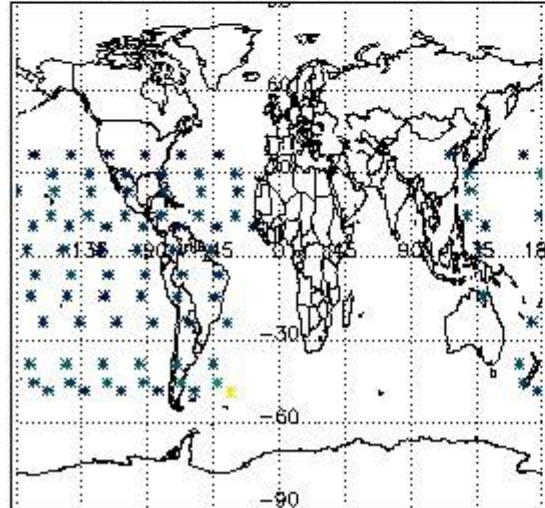
Percentage of flagged data per O3 profile



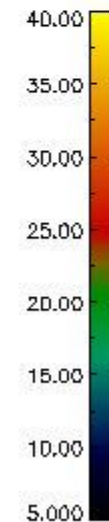
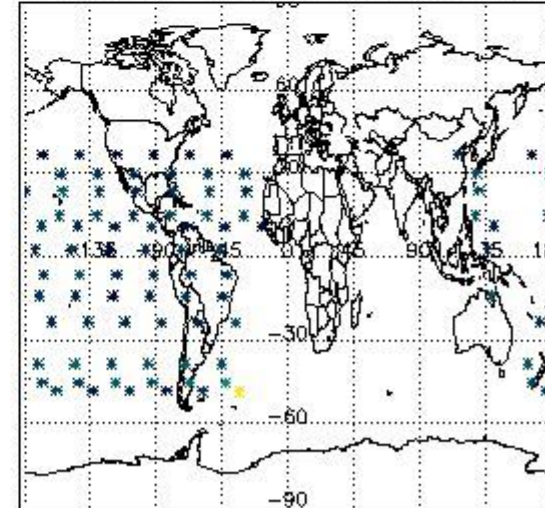
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

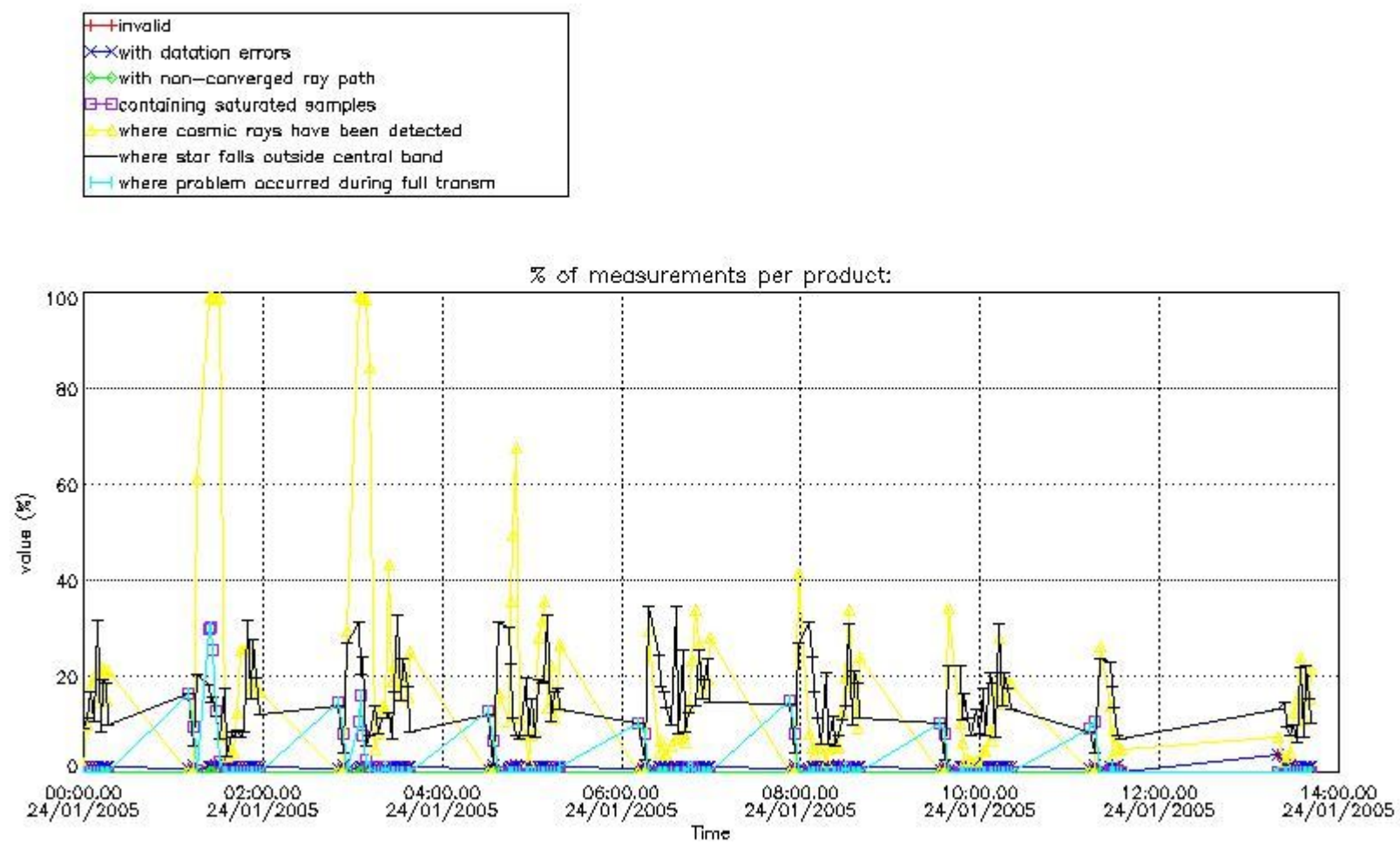


4. Level 1 quality information per product

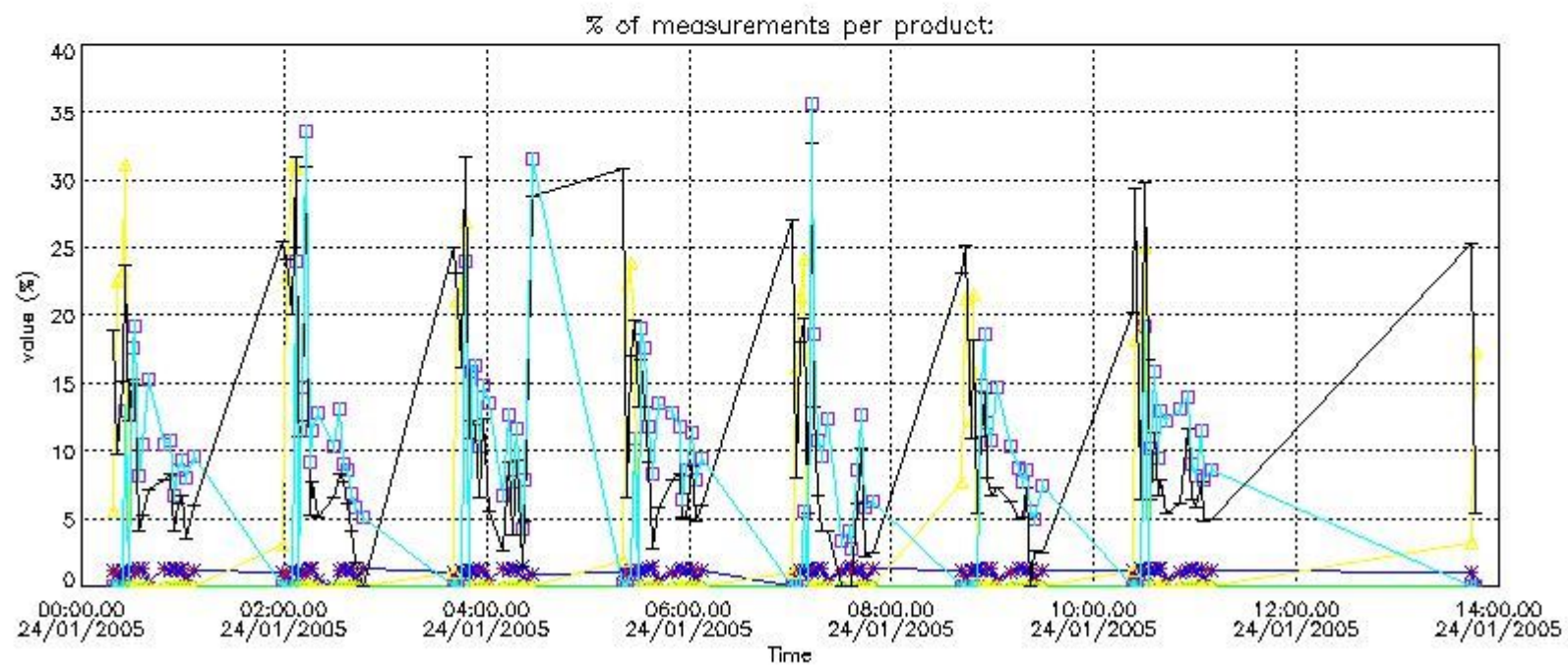
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

4.1 Plot quality information per product (time dependant) coming from level 1b processing

4.1.1 Plot level 1 quality information per product (time dependant): ENVISAT ASCENDING passes



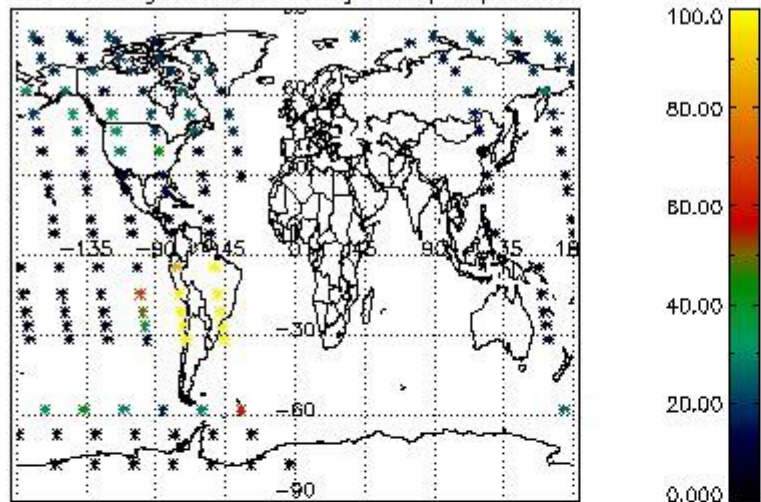
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



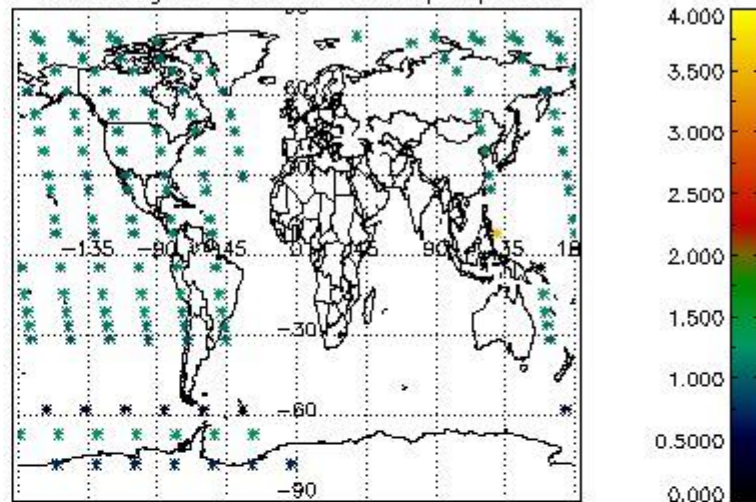
4.2 Plot quality information per product coming from level 1b processing (world map)

4.2.1 Plot level 1 quality information per product (world map): ENVI SAT ASCENDING passes

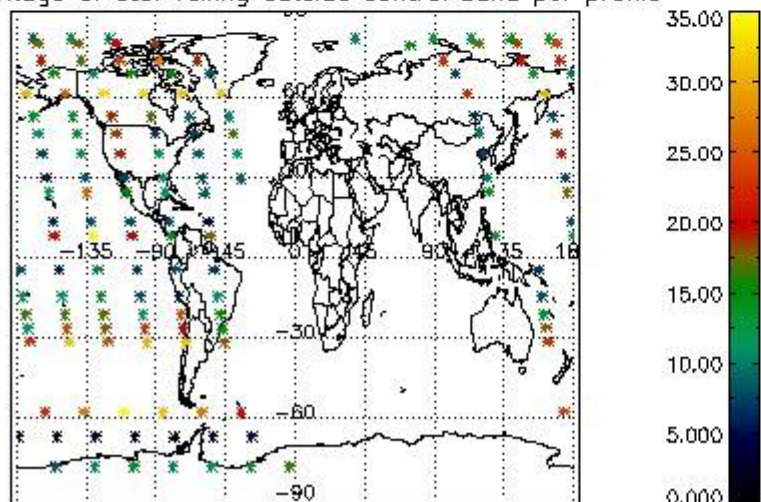
Percentage of cosmic ray hits per profile



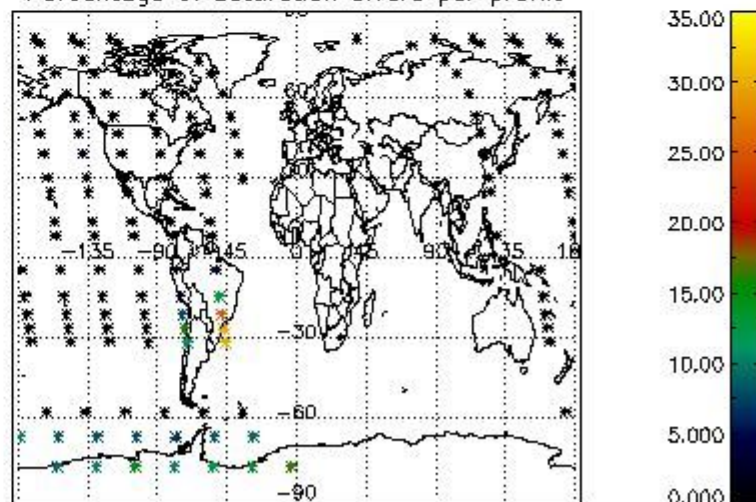
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

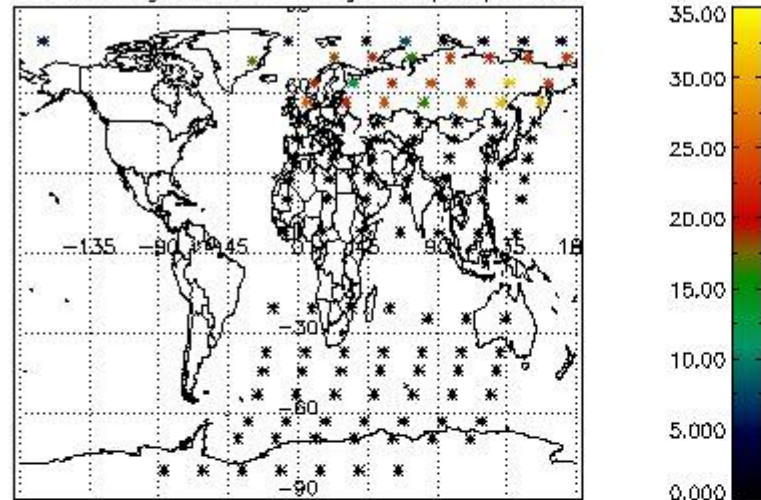


Percentage of saturation errors per profile

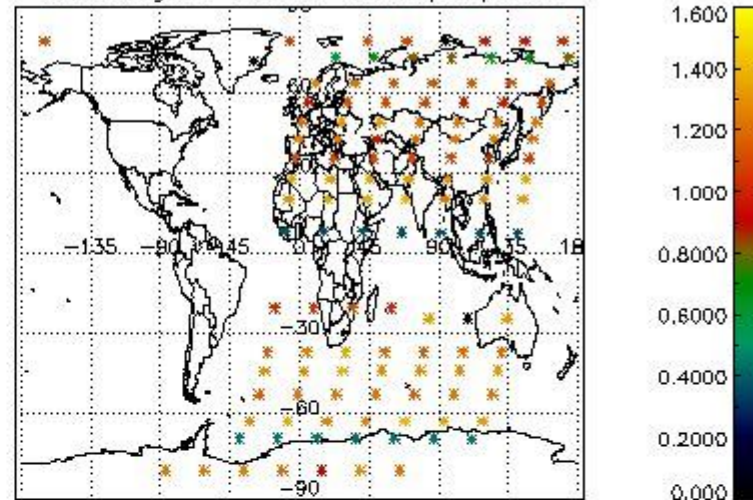


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

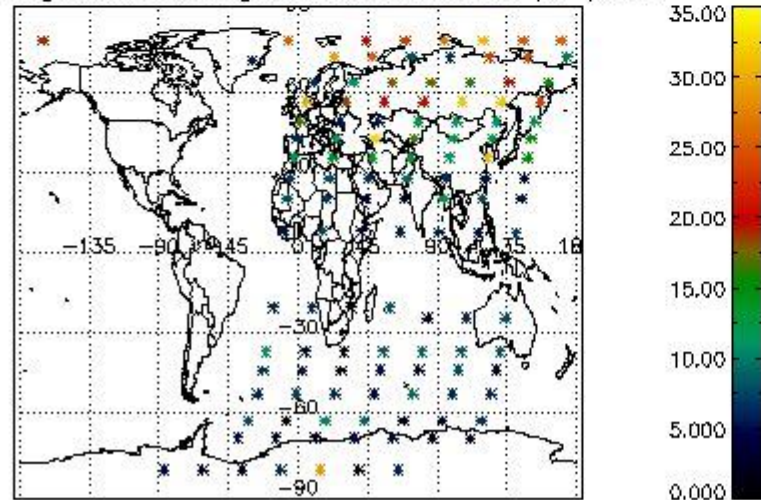
Percentage of cosmic ray hits per profile



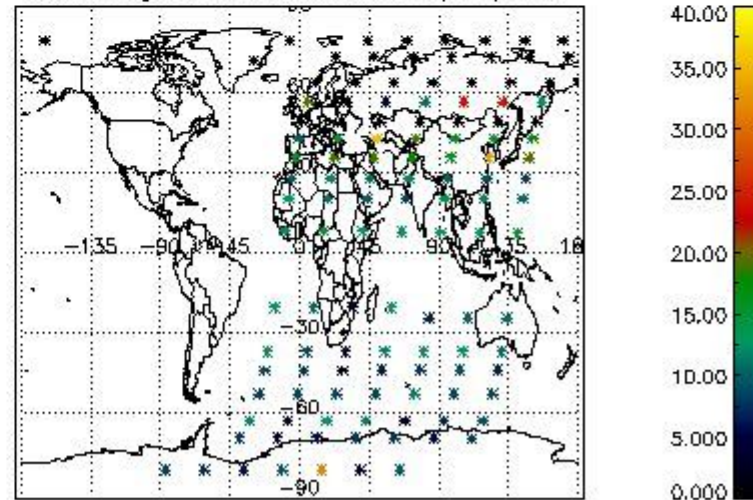
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/o3_std of the level 2 products. The table below shows the statistics for given STD ranges.

The statistics are given with respect to the overall valid production:

- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

The 'Criteria' is applied to valid points of dark limb products:

- Products in dark limb illumination condition: GOM_NL__2P/NL_SUMMARY_QUALITY/obs_ill_cond=0
- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

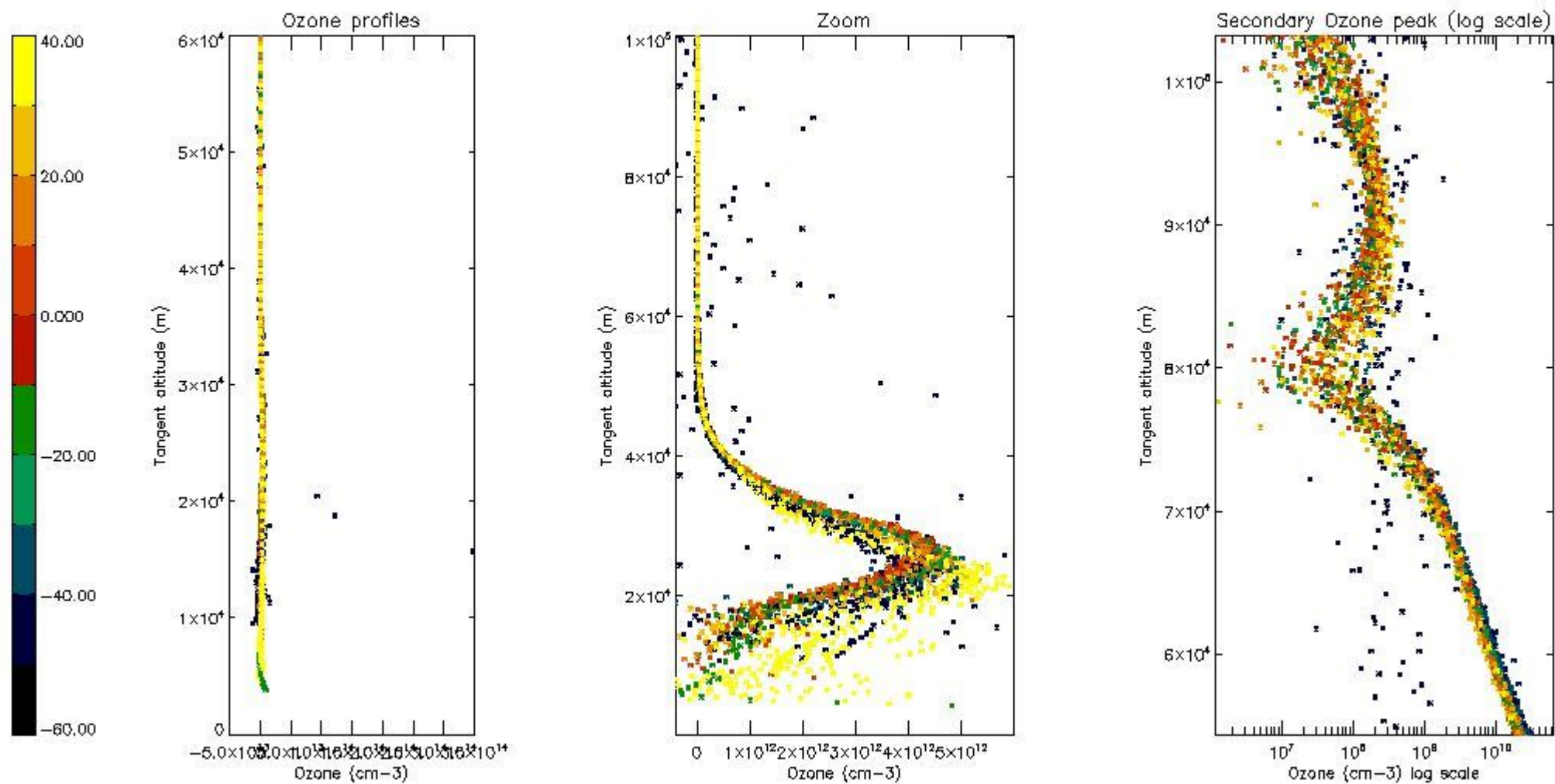
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

| Criteria | % of total production |
|----------|-----------------------|
| All STD | 28 |
| STD < 20 | 16 |

| | |
|----------|----|
| STD < 10 | 13 |
| STD < 5 | 9 |

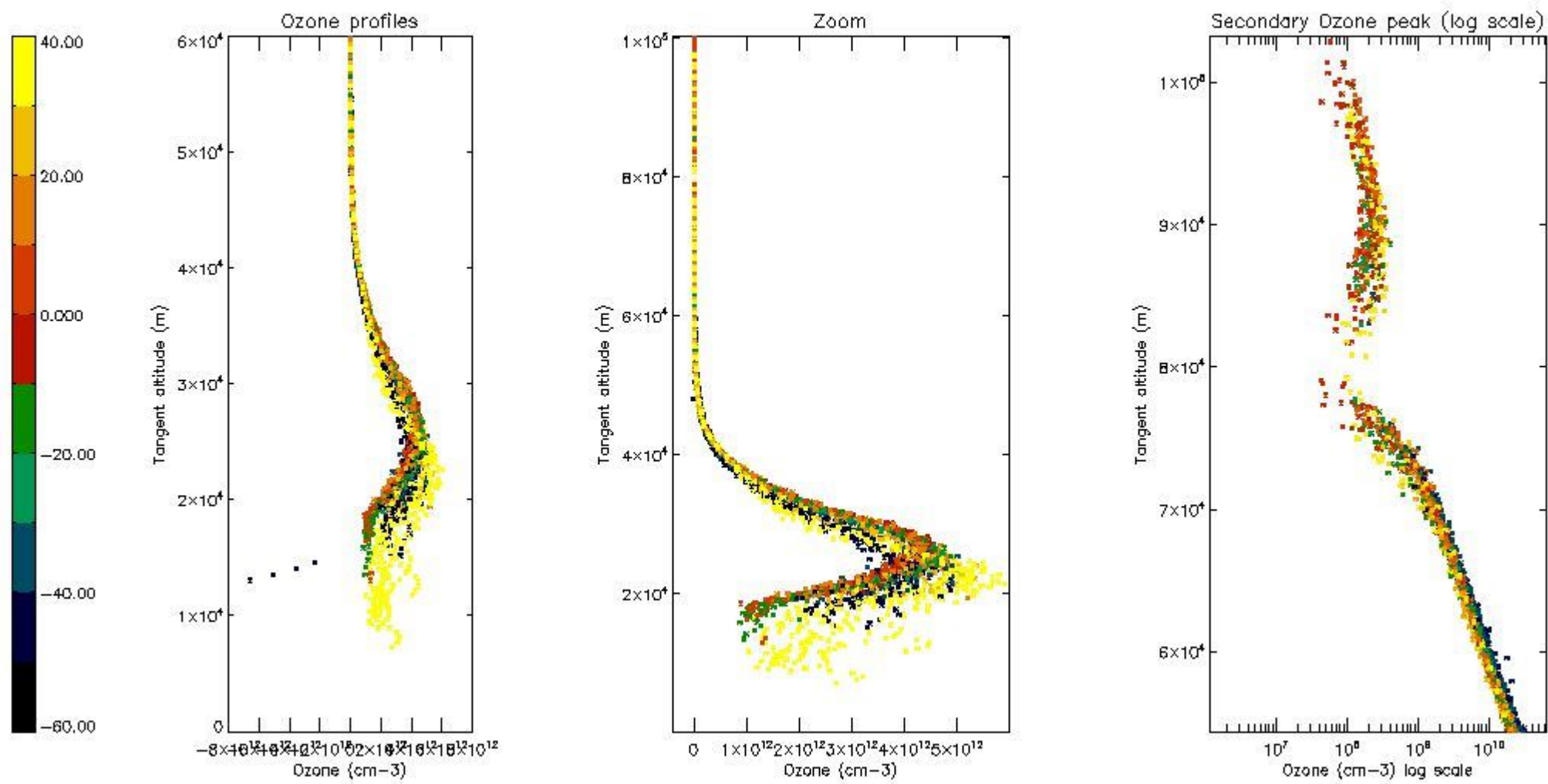
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



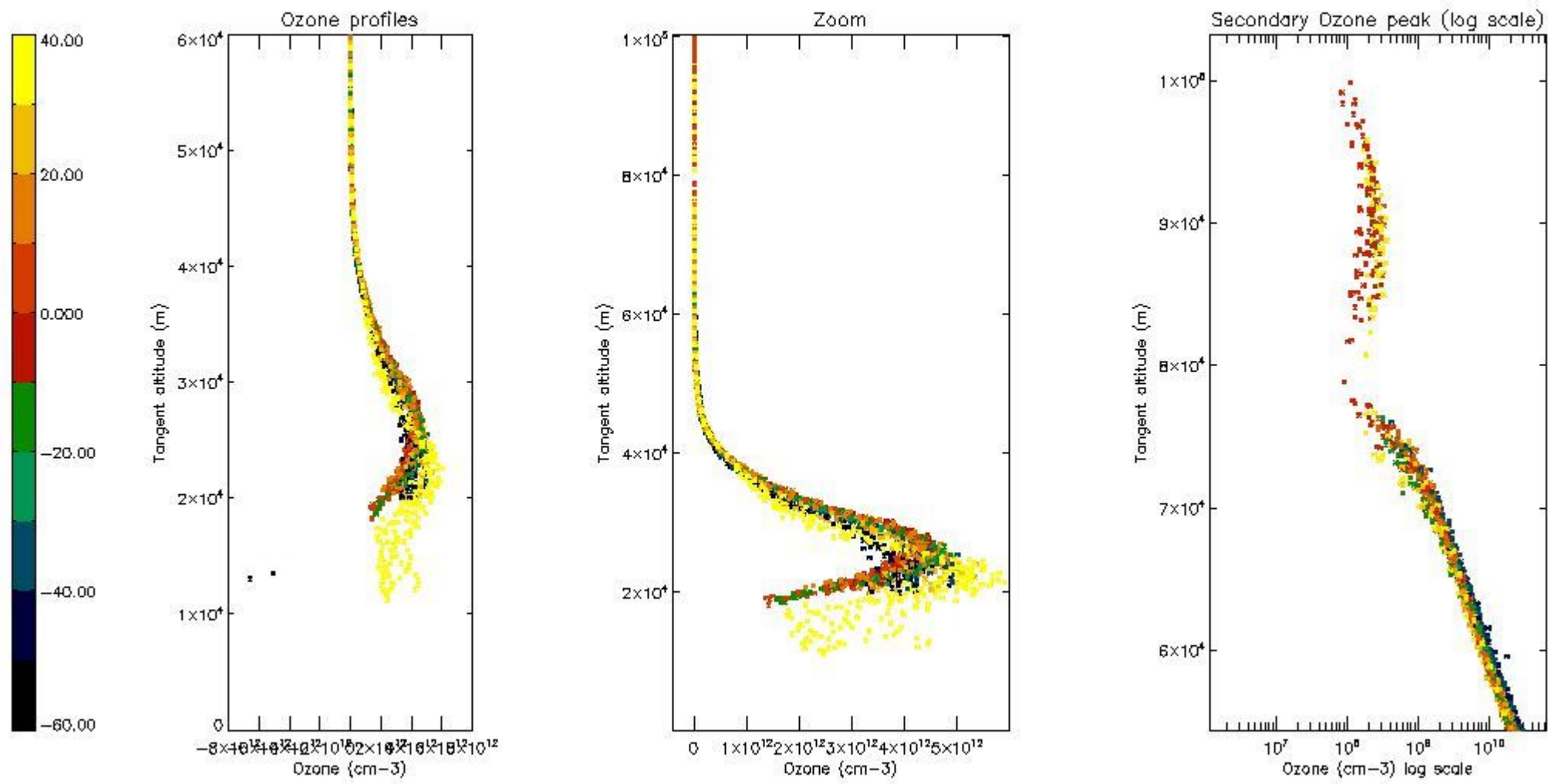
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



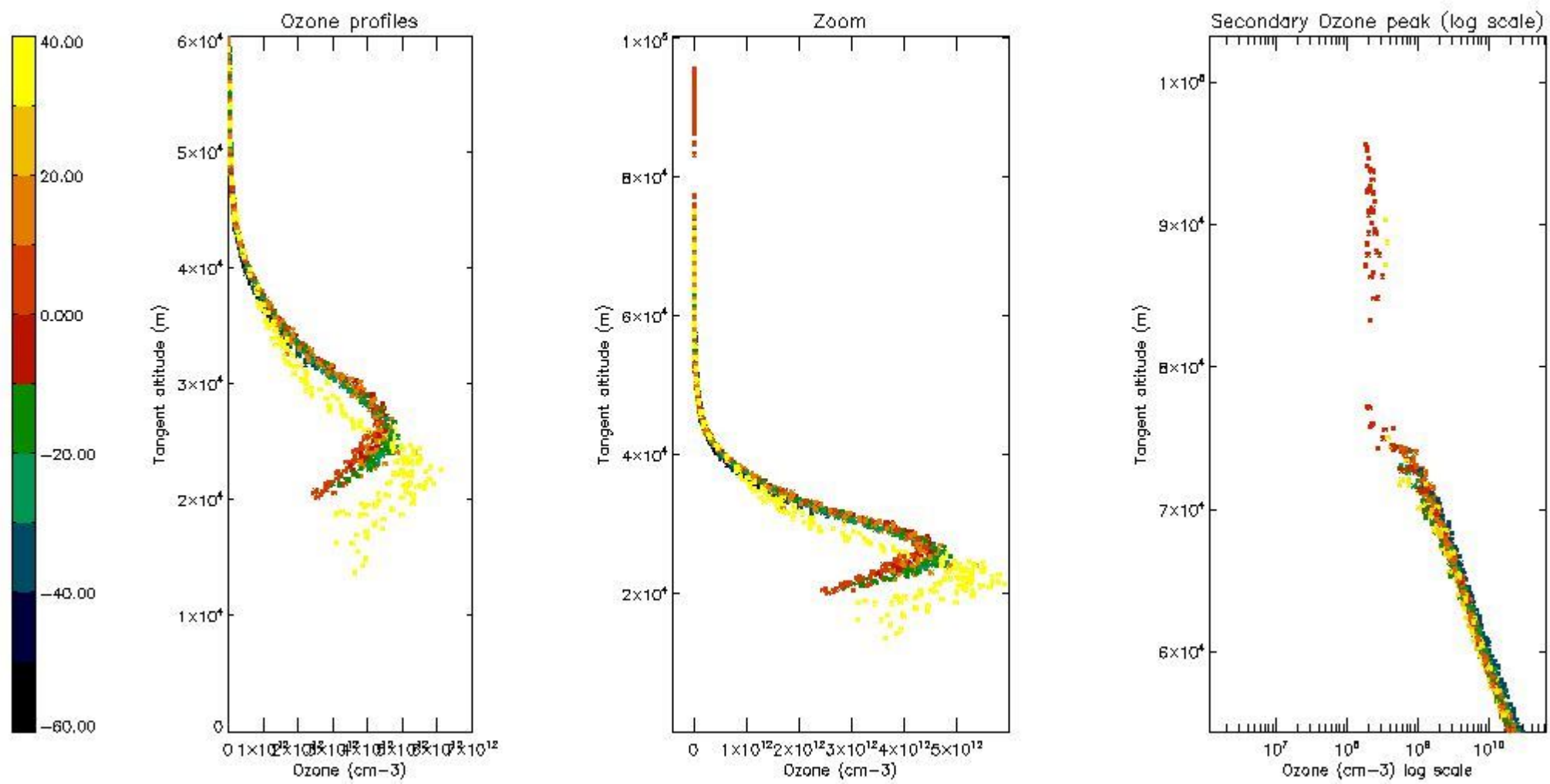
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



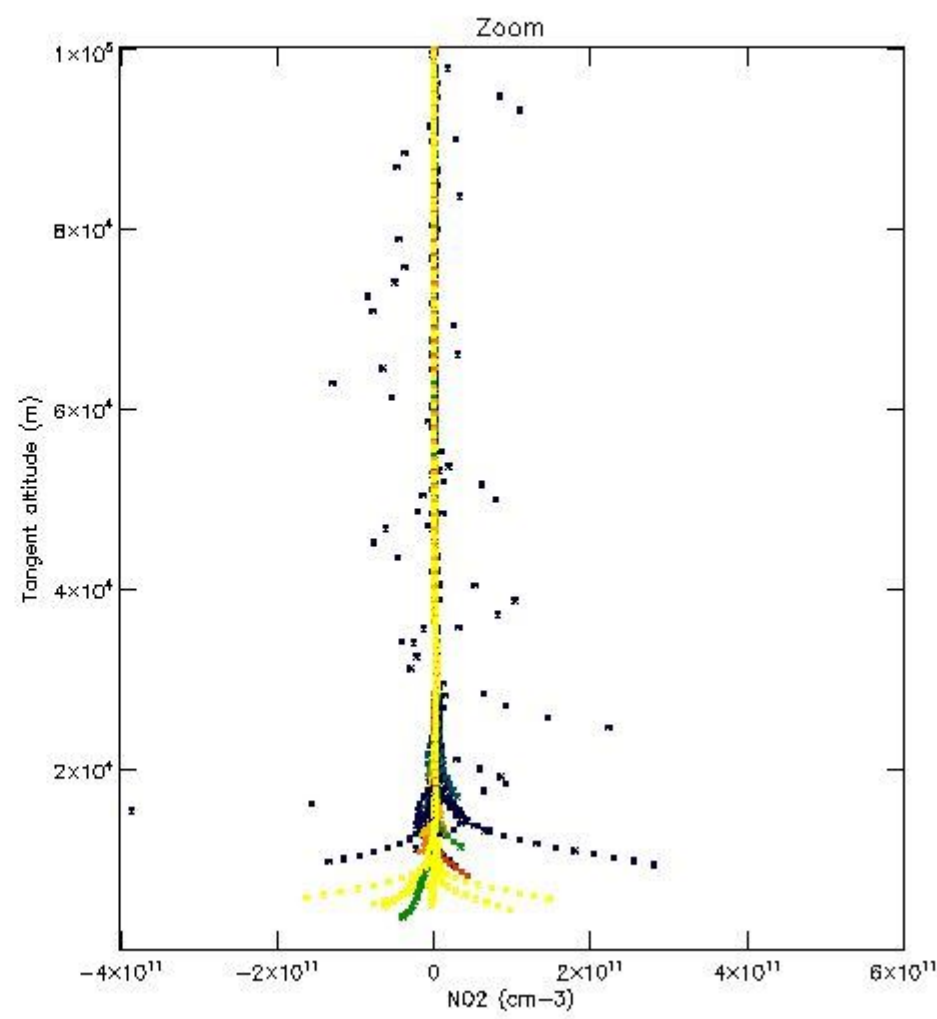
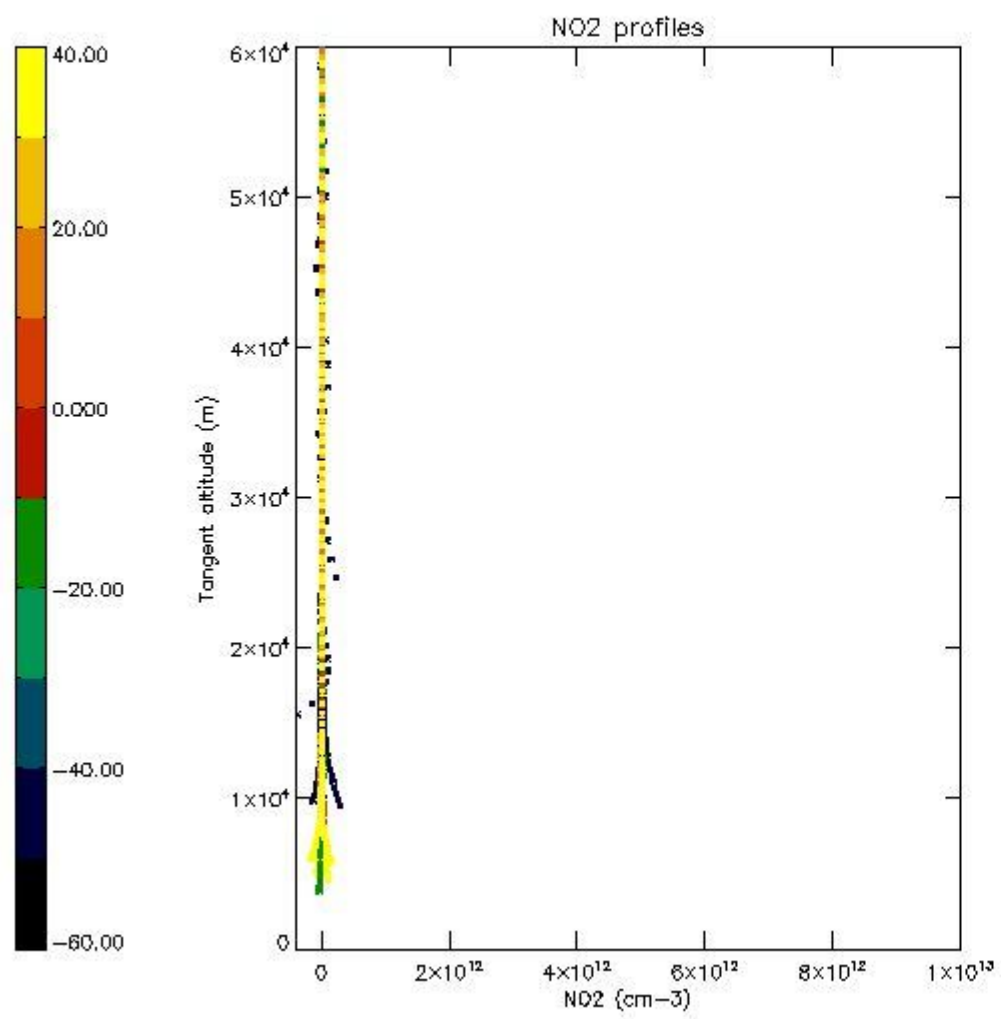
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



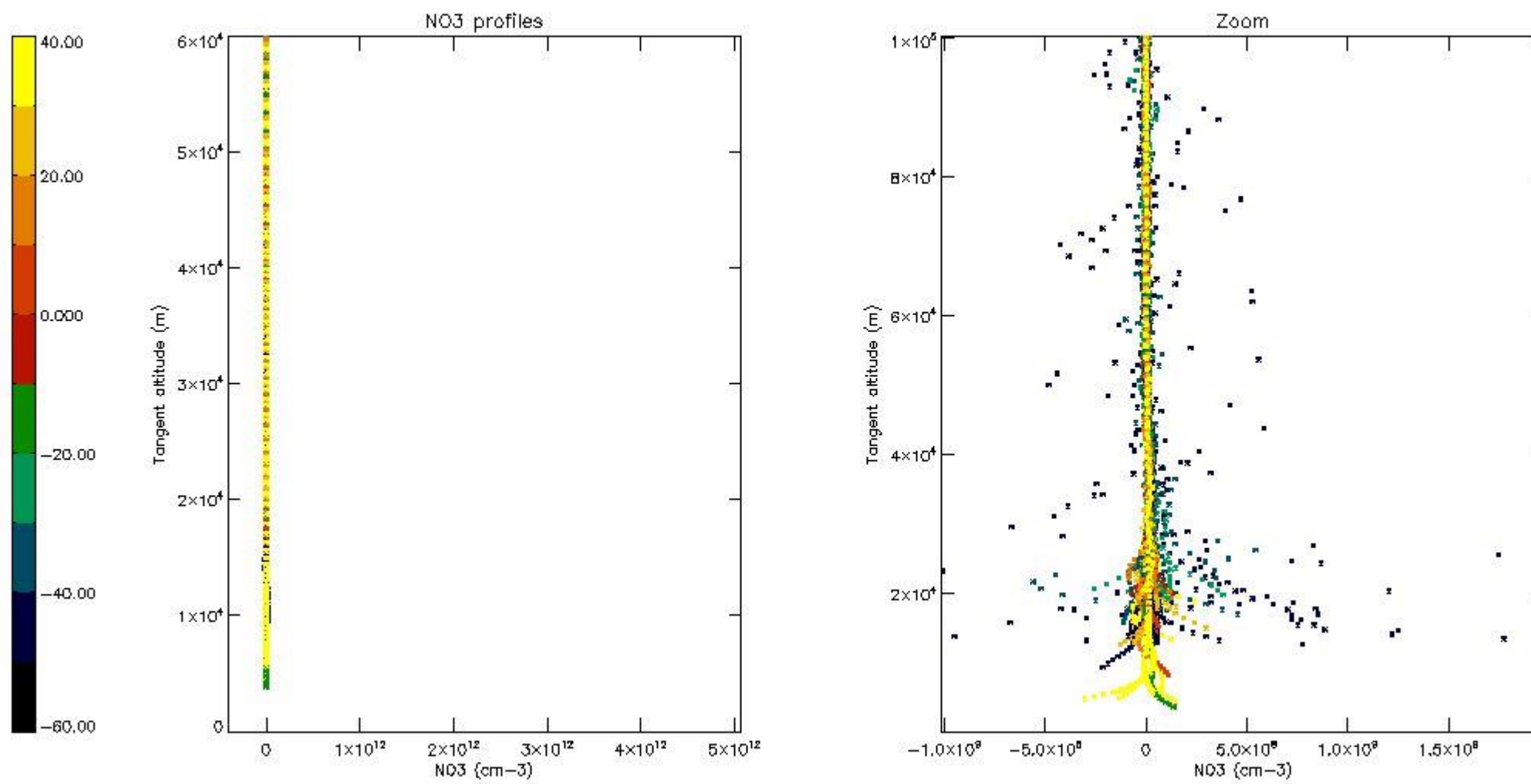
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



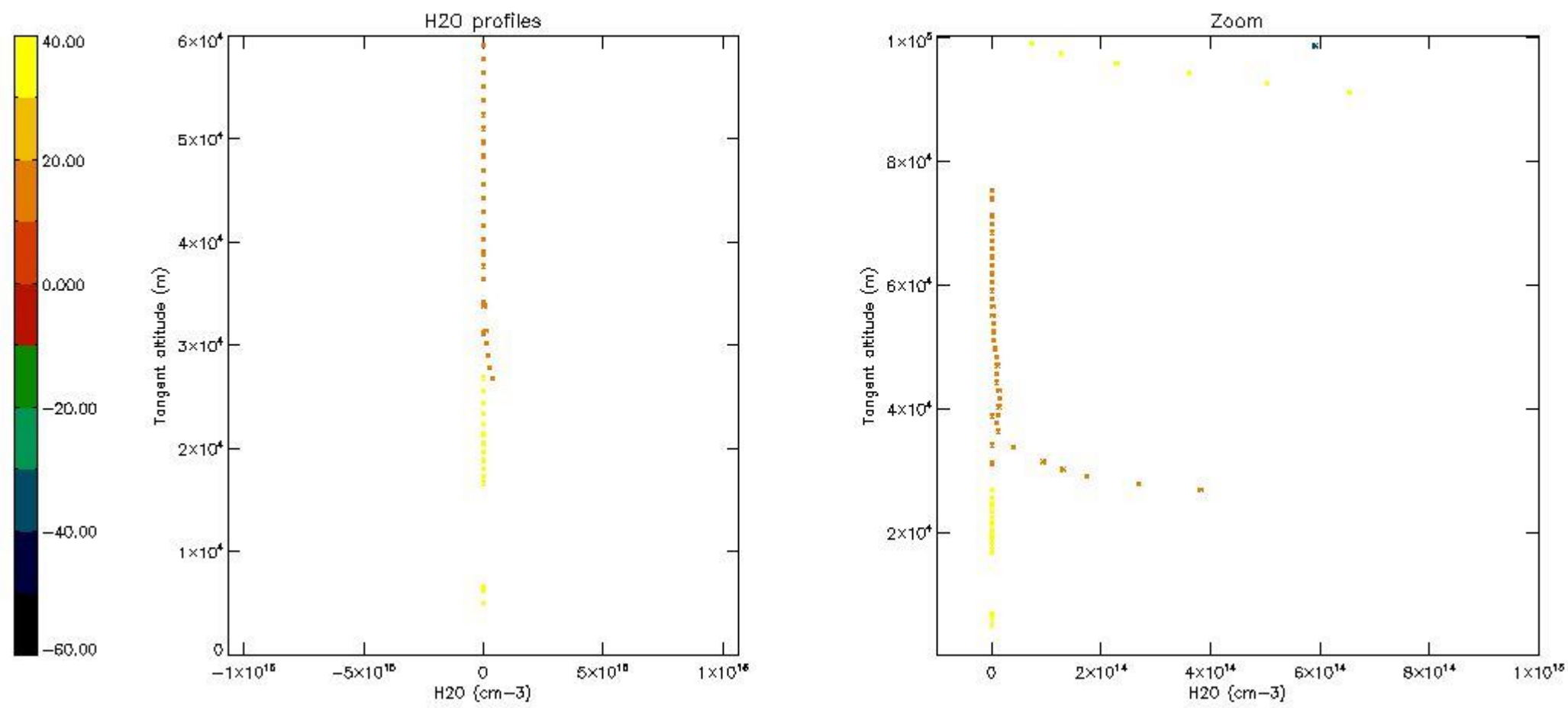
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



5.8 Plot H2O profiles for all STD (only for occultations of stars 1,2,3,4,13,14,16,26,63 dark without errors)

The colorbar represents the latitude.



6. Auxiliary Data Files used for the production reported in section 2

The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

| Type | Auxiliary Filename | Used since product | Used since product date |
|---------------------------|---|--------------------|-------------------------|
| INST_PHYS_CHARACTERISTICS | GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000 | 1 | 24-JAN-2005 00:00:00 |
| LEVEL-2_PROC_CONFIG | GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000 | 1 | 24-JAN-2005 00:00:00 |
| CROSS_SECTIONS_FILE | GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000 | 1 | 24-JAN-2005 00:00:00 |

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[5.7 Plot NO3 profiles for all STD \(dark without errors\)](#)

[5.8 Plot H2O profiles \(only for occultations of stars 1,2,3,4,13,14,16,26,63 dark without errors\) for all STD](#)

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This report presents the daily analysis on parameters extracted from GOMOS level 2 data (GOM_NL__2P). It is intended to monitor some important parameters that will impact the quality of these products. A list of level 2 products (and content) that have arrived during the reporting day to the PCF is also given.

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| Start time of products | 24-01-2005 (24JAN2005 00:00:00) |
| Stop time of products | 25-01-2005 (25JAN2005 00:00:00) |
| Store outputs in DB | Yes |
| Nb of level 2 prods | 269 |
| Nb of prods with errors | 0 |

2. Summary of processed GOM_NL__2P products.

| Nr | Filename | UTC Start time | Limb | Duration | Star Id | Star Name | Star Mag | Star Temp | Nb Meas | Orbit | Prod. error |
|----|--|----------------------|------------|----------|---------|-----------|-----------|-----------|---------|-------|-------------|
| 1 | GOM_NL__2PRFIN20050124_000000_000000512034_00088_15172_8699.N1 | 24-JAN-2005 00:00:00 | Dark | 50.500 | 99 | Del Cen | 2.5750 | 26000. | 101 | 15172 | No |
| 2 | GOM_NL__2PRFIN20050124_000236_000000412034_00088_15172_8700.N1 | 24-JAN-2005 00:02:36 | Dark | 40.500 | 29 | Bet Car | 1.6720 | 10200. | 81 | 15172 | No |
| 3 | GOM_NL__2PRFIN20050124_000446_000000452034_00088_15172_8701.N1 | 24-JAN-2005 00:04:46 | Dark | 45.000 | 71 | lot Car | 2.2460 | 7700.0 | 90 | 15172 | No |
| 4 | GOM_NL__2PRFIN20050124_000635_000000432034_00088_15172_8702.N1 | 24-JAN-2005 00:06:35 | Dark | 42.500 | 46 | Del Vel | 1.9540 | 10600. | 85 | 15172 | No |
| 5 | GOM_NL__2PRFIN20050124_000905_000000522034_00088_15172_8703.N1 | 24-JAN-2005 00:09:05 | Dark | 52.000 | 2 | Alp Car | -0.73600 | 7000.0 | 104 | 15172 | No |
| 6 | GOM_NL__2PRFIN20050124_001118_000000412034_00088_15172_8704.N1 | 24-JAN-2005 00:11:18 | Straylight | 41.000 | 70 | Zet Pup | 2.2460 | 39000. | 82 | 15172 | No |
| 7 | GOM_NL__2PRFIN20050124_001248_000000442034_00088_15172_8705.N1 | 24-JAN-2005 00:12:48 | Straylight | 44.000 | 117 | Pi Pup | 2.7060 | 3800.0 | 88 | 15172 | No |
| 8 | GOM_NL__2PRFIN20050124_001516_000000442034_00088_15172_8706.N1 | 24-JAN-2005 00:15:16 | Straylight | 43.500 | 23 | 21Eps CMa | 1.5020 | 26000. | 87 | 15172 | No |
| 9 | GOM_NL__2PRFIN20050124_001639_000000412034_00088_15172_8707.N1 | 24-JAN-2005 00:16:39 | Straylight | 40.500 | 179 | 24Omi2CMa | 3.0320 | 24000. | 81 | 15172 | No |
| 10 | GOM_NL__2PRFIN20050124_001849_000000452034_00088_15172_8708.N1 | 24-JAN-2005 00:18:49 | Straylight | 45.000 | 1 | 9Alp CMa | -1.4400 | 11000. | 90 | 15172 | No |
| 11 | GOM_NL__2PRFIN20050124_002103_000000622034_00088_15172_8709.N1 | 24-JAN-2005 00:21:03 | Straylight | 62.000 | 48 | 30Alp Hya | 1.9770 | 4100.0 | 124 | 15172 | No |
| 12 | GOM_NL__2PRFIN20050124_002355_000000432034_00088_15172_8710.N1 | 24-JAN-2005 00:23:55 | Twilight | 43.000 | 30 | 46Eps Ori | 1.6940 | 30000. | 86 | 15172 | No |
| 13 | GOM_NL__2PRFIN20050124_002601_000000472034_00088_15172_8711.N1 | 24-JAN-2005 00:26:01 | Bright | 46.500 | 14 | 58Alp Ori | 0.87000 | 3000.0 | 93 | 15172 | No |
| 14 | GOM_NL__2PRFIN20050124_002809_000000412034_00088_15172_8712.N1 | 24-JAN-2005 00:28:09 | Bright | 41.000 | 44 | 24Gam Gem | 1.9280 | 11000. | 82 | 15172 | No |
| 15 | GOM_NL__2PRFIN20050124_002955_000000432034_00088_15172_8713.N1 | 24-JAN-2005 00:29:55 | Bright | 42.500 | 151 | 13Mu Gem | 2.8900 | 3000.0 | 85 | 15172 | No |
| 16 | GOM_NL__2PRFIN20050124_003159_000000472034_00088_15172_8714.N1 | 24-JAN-2005 00:31:59 | Bright | 47.000 | 17 | 78Bet Gem | 1.1610 | 4500.0 | 94 | 15172 | No |
| 17 | GOM_NL__2PRFIN20050124_003409_000000372034_00088_15172_8715.N1 | 24-JAN-2005 00:34:09 | Bright | 37.000 | 107 | 37The Aur | 2.6490 | 11000. | 74 | 15172 | No |
| 18 | GOM_NL__2PRFIN20050124_003617_000000382034_00088_15172_8716.N1 | 24-JAN-2005 00:36:17 | Bright | 38.000 | 42 | 34Bet Aur | 1.9000 | 10200. | 76 | 15172 | No |
| 19 | GOM_NL__2PRFIN20050124_003957_000001412034_00088_15172_8717.N1 | 24-JAN-2005 00:39:57 | Bright | 141.00 | 51 | 41Gam1Leo | 2.0100 | 4500.0 | 282 | 15172 | No |
| 20 | GOM_NL__2PRFIN20050124_004848_000000382034_00088_15172_8718.N1 | 24-JAN-2005 00:48:48 | Bright | 38.000 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 76 | 15172 | No |
| 21 | GOM_NL__2PRFIN20050124_005220_000000422034_00088_15172_8719.N1 | 24-JAN-2005 00:52:20 | Bright | 42.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 84 | 15172 | No |
| 22 | GOM_NL__2PRFIN20050124_005419_000000382034_00088_15172_8720.N1 | 24-JAN-2005 00:54:19 | Bright | 37.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 75 | 15172 | No |
| 23 | GOM_NL__2PRFIN20050124_005653_000000412034_00088_15172_8721.N1 | 24-JAN-2005 00:56:53 | Bright | 41.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 82 | 15172 | No |
| 24 | GOM_NL__2PRFIN20050124_005948_000000382034_00088_15172_8722.N1 | 24-JAN-2005 00:59:48 | Bright | 37.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 75 | 15172 | No |
| 25 | GOM_NL__2PRFIN20050124_010146_000001142034_00088_15172_8723.N1 | 24-JAN-2005 01:01:46 | Bright | 113.50 | 152 | 12Alp2CVn | 2.8900 | 11000. | 227 | 15172 | No |
| 26 | GOM_NL__2PRFIN20050124_010613_000000422034_00088_15172_8724.N1 | 24-JAN-2005 01:06:13 | Bright | 41.500 | 133 | 40Zet Her | 2.8070 | 6000.0 | 83 | 15172 | No |
| 27 | GOM_NL__2PRFIN20050124_010935_000000772034_00088_15172_8725.N1 | 24-JAN-2005 01:09:35 | Bright | 77.000 | 83 | | 2.3780 | 11000. | 154 | 15172 | No |
| 28 | GOM_NL__2PRFIN20050124_011316_000000382034_00088_15172_8726.N1 | 24-JAN-2005 01:13:16 | Bright | 37.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 75 | 15172 | No |
| 29 | GOM_NL__2PRFIN20050124_011553_000001382034_00088_15172_8727.N1 | 24-JAN-2005 01:15:53 | Twilight | 138.00 | 3 | 16Alp Boo | -0.050000 | 4250.0 | 276 | 15172 | No |
| 30 | GOM_NL__2PRFIN20050124_012326_000000472034_00088_15172_8728.N1 | 24-JAN-2005 01:23:26 | Twilight | 47.000 | 16 | 21Alp Sco | 1.0200 | 3000.0 | 94 | 15172 | No |
| 31 | GOM_NL__2PRFIN20050124_012452_000000452034_00088_15172_8729.N1 | 24-JAN-2005 01:24:52 | Dark | 44.500 | 75 | 26Eps Sco | 2.2910 | 4250.0 | 89 | 15172 | No |
| 32 | GOM_NL__2PRFIN20050124_012621_000000422034_00088_15172_8730.N1 | 24-JAN-2005 01:26:21 | Dark | 41.500 | 40 | The Sco | 1.8590 | 7100.0 | 83 | 15172 | No |
| 33 | GOM_NL__2PRFIN20050124_012817_000000392034_00088_15172_8731.N1 | 24-JAN-2005 01:28:17 | Dark | 39.000 | 147 | Alp Ara | 2.8770 | 26000. | 78 | 15172 | No |
| 34 | GOM_NL__2PRFIN20050124_013101_000000442034_00088_15172_8732.N1 | 24-JAN-2005 01:31:01 | Dark | 44.000 | 109 | Bet Lup | 2.6770 | 26000. | 88 | 15172 | No |
| 35 | GOM_NL__2PRFIN20050124_013434_000000462034_00089_15173_8697.N1 | 24-JAN-2005 01:34:34 | Dark | 45.500 | 4 | Alp1Cen | -0.010000 | 5800.0 | 91 | 15173 | No |
| 36 | GOM_NL__2PRFIN20050124_013603_000000442034_00089_15173_8698.N1 | 24-JAN-2005 01:36:03 | Dark | 43.500 | 77 | Eps Cen | 2.3030 | 28000. | 87 | 15173 | No |
| 37 | GOM_NL__2PRFIN20050124_013908_000000422034_00089_15173_8699.N1 | 24-JAN-2005 01:39:08 | Dark | 42.000 | 12 | Alp1Cru | 0.77500 | 30000. | 84 | 15173 | No |
| 38 | GOM_NL__2PRFIN20050124_014038_000000482034_00089_15173_8700.N1 | 24-JAN-2005 01:40:38 | Dark | 48.000 | 99 | Del Cen | 2.5750 | 26000. | 96 | 15173 | No |
| 39 | GOM_NL__2PRFIN20050124_014312_000000402034_00089_15173_8701.N1 | 24-JAN-2005 01:43:12 | Dark | 40.000 | 29 | Bet Car | 1.6720 | 10200. | 80 | 15173 | No |
| 40 | GOM_NL__2PRFIN20050124_014522_000000412034_00089_15173_8702.N1 | 24-JAN-2005 01:45:22 | Dark | 41.000 | 71 | lot Car | 2.2460 | 7700.0 | 82 | 15173 | No |
| 41 | GOM_NL__2PRFIN20050124_014711_000000412034_00089_15173_8703.N1 | 24-JAN-2005 01:47:11 | Dark | 41.000 | 46 | Del Vel | 1.9540 | 10600. | 82 | 15173 | No |
| 42 | GOM_NL__2PRFIN20050124_014941_000000522034_00089_15173_8704.N1 | 24-JAN-2005 01:49:41 | Dark | 52.000 | 2 | Alp Car | -0.73600 | 7000.0 | 104 | 15173 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|----------------|--------|-----|-----------|-----------|--------|-----|-------|----|
| 43 | GOM_NL__2PRFIN20050124_015153_000000462034_00089_15173_8705.N1 | 24-JAN-2005 01:51:53 | Straylight | 45.500 | 70 | Zet Pup | 2.2460 | 39000. | 91 | 15173 | No |
| 44 | GOM_NL__2PRFIN20050124_015324_000000492034_00089_15173_8706.N1 | 24-JAN-2005 01:53:24 | Straylight | 49.000 | 117 | Pi Pup | 2.7060 | 3800.0 | 98 | 15173 | No |
| 45 | GOM_NL__2PRFIN20050124_015552_000000462034_00089_15173_8707.N1 | 24-JAN-2005 01:55:52 | Straylight | 45.500 | 23 | 21Eps CMa | 1.5020 | 26000. | 91 | 15173 | No |
| 46 | GOM_NL__2PRFIN20050124_015715_000000422034_00089_15173_8708.N1 | 24-JAN-2005 01:57:15 | Straylight | 42.000 | 179 | 24Omi2CMa | 3.0320 | 24000. | 84 | 15173 | No |
| 47 | GOM_NL__2PRFIN20050124_015925_000000492034_00089_15173_8709.N1 | 24-JAN-2005 01:59:25 | Straylight | 49.000 | 1 | 9Alp CMa | -1.4400 | 11000. | 98 | 15173 | No |
| 48 | GOM_NL__2PRFIN20050124_020138_000000752034_00089_15173_8710.N1 | 24-JAN-2005 02:01:38 | Straylight | 74.500 | 48 | 30Alp Hya | 1.9770 | 4100.0 | 149 | 15173 | No |
| 49 | GOM_NL__2PRFIN20050124_020431_000000452034_00089_15173_8711.N1 | 24-JAN-2005 02:04:31 | Tw_i_and_stray | 45.000 | 30 | 46Eps Ori | 1.6940 | 30000. | 90 | 15173 | No |
| 50 | GOM_NL__2PRFIN20050124_020637_000000522034_00089_15173_8712.N1 | 24-JAN-2005 02:06:37 | Bright | 52.000 | 14 | 58Alp Ori | 0.87000 | 3000.0 | 104 | 15173 | No |
| 51 | GOM_NL__2PRFIN20050124_020846_000000412034_00089_15173_8713.N1 | 24-JAN-2005 02:08:46 | Bright | 40.500 | 44 | 24Gam Gem | 1.9280 | 11000. | 81 | 15173 | No |
| 52 | GOM_NL__2PRFIN20050124_021031_000000412034_00089_15173_8714.N1 | 24-JAN-2005 02:10:31 | Bright | 41.000 | 151 | 13Mu Gem | 2.8900 | 3000.0 | 82 | 15173 | No |
| 53 | GOM_NL__2PRFIN20050124_021235_000000582034_00089_15173_8715.N1 | 24-JAN-2005 02:12:35 | Bright | 58.000 | 17 | 78Bet Gem | 1.1610 | 4500.0 | 116 | 15173 | No |
| 54 | GOM_NL__2PRFIN20050124_021445_000000382034_00089_15173_8716.N1 | 24-JAN-2005 02:14:45 | Bright | 38.000 | 107 | 37The Aur | 2.6490 | 11000. | 76 | 15173 | No |
| 55 | GOM_NL__2PRFIN20050124_021653_000000392034_00089_15173_8717.N1 | 24-JAN-2005 02:16:53 | Bright | 39.000 | 42 | 34Bet Aur | 1.9000 | 10200. | 78 | 15173 | No |
| 56 | GOM_NL__2PRFIN20050124_022030_000001362034_00089_15173_8718.N1 | 24-JAN-2005 02:20:30 | Bright | 136.00 | 51 | 41Gam1Leo | 2.0100 | 4500.0 | 272 | 15173 | No |
| 57 | GOM_NL__2PRFIN20050124_022923_000000392034_00089_15173_8719.N1 | 24-JAN-2005 02:29:23 | Bright | 38.500 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 77 | 15173 | No |
| 58 | GOM_NL__2PRFIN20050124_023256_000000422034_00089_15173_8720.N1 | 24-JAN-2005 02:32:56 | Bright | 42.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 84 | 15173 | No |
| 59 | GOM_NL__2PRFIN20050124_023455_000000392034_00089_15173_8721.N1 | 24-JAN-2005 02:34:55 | Bright | 39.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 78 | 15173 | No |
| 60 | GOM_NL__2PRFIN20050124_023729_000000412034_00089_15173_8722.N1 | 24-JAN-2005 02:37:29 | Bright | 40.500 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 81 | 15173 | No |
| 61 | GOM_NL__2PRFIN20050124_024024_000000372034_00089_15173_8723.N1 | 24-JAN-2005 02:40:24 | Bright | 36.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 73 | 15173 | No |
| 62 | GOM_NL__2PRFIN20050124_024221_000001122034_00089_15173_8724.N1 | 24-JAN-2005 02:42:21 | Bright | 111.50 | 152 | 12Alp2CVn | 2.8900 | 11000. | 223 | 15173 | No |
| 63 | GOM_NL__2PRFIN20050124_024649_000000392034_00089_15173_8725.N1 | 24-JAN-2005 02:46:49 | Bright | 39.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 78 | 15173 | No |
| 64 | GOM_NL__2PRFIN20050124_025011_000000762034_00089_15173_8726.N1 | 24-JAN-2005 02:50:11 | Bright | 75.500 | 83 | | 2.3780 | 11000. | 151 | 15173 | No |
| 65 | GOM_NL__2PRFIN20050124_025353_000000372034_00089_15173_8727.N1 | 24-JAN-2005 02:53:53 | Bright | 37.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 74 | 15173 | No |
| 66 | GOM_NL__2PRFIN20050124_025631_000001522034_00089_15173_8728.N1 | 24-JAN-2005 02:56:31 | Tw_i_and_stray | 151.50 | 3 | 16Alp Boo | -0.050000 | 4250.0 | 303 | 15173 | No |
| 67 | GOM_NL__2PRFIN20050124_030403_000000562034_00089_15173_8729.N1 | 24-JAN-2005 03:04:03 | Twilight | 56.000 | 16 | 21Alp Sco | 1.0200 | 3000.0 | 112 | 15173 | No |
| 68 | GOM_NL__2PRFIN20050124_030528_000000472034_00089_15173_8730.N1 | 24-JAN-2005 03:05:28 | Dark | 47.000 | 75 | 26Eps Sco | 2.2910 | 4250.0 | 94 | 15173 | No |
| 69 | GOM_NL__2PRFIN20050124_030657_000000462034_00089_15173_8731.N1 | 24-JAN-2005 03:06:57 | Dark | 46.000 | 40 | The Sco | 1.8590 | 7100.0 | 92 | 15173 | No |
| 70 | GOM_NL__2PRFIN20050124_030852_000000372034_00089_15173_8732.N1 | 24-JAN-2005 03:08:52 | Dark | 37.000 | 147 | Alp Ara | 2.8770 | 26000. | 74 | 15173 | No |
| 71 | GOM_NL__2PRFIN20050124_031137_000000452034_00089_15173_8733.N1 | 24-JAN-2005 03:11:37 | Dark | 45.000 | 109 | Bet Lup | 2.6770 | 26000. | 90 | 15173 | No |
| 72 | GOM_NL__2PRFIN20050124_031512_000000432034_00090_15174_8728.N1 | 24-JAN-2005 03:15:12 | Dark | 43.000 | 4 | Alp1Cen | -0.010000 | 5800.0 | 86 | 15174 | No |
| 73 | GOM_NL__2PRFIN20050124_031640_000000442034_00090_15174_8729.N1 | 24-JAN-2005 03:16:40 | Dark | 44.000 | 77 | Eps Cen | 2.3030 | 28000. | 88 | 15174 | No |
| 74 | GOM_NL__2PRFIN20050124_031944_000000442034_00090_15174_8730.N1 | 24-JAN-2005 03:19:44 | Dark | 44.000 | 12 | Alp1Cru | 0.77500 | 30000. | 88 | 15174 | No |
| 75 | GOM_NL__2PRFIN20050124_032116_000000502034_00090_15174_8731.N1 | 24-JAN-2005 03:21:16 | Dark | 49.500 | 99 | Del Cen | 2.5750 | 26000. | 99 | 15174 | No |
| 76 | GOM_NL__2PRFIN20050124_032348_000000412034_00090_15174_8732.N1 | 24-JAN-2005 03:23:48 | Dark | 40.500 | 29 | Bet Car | 1.6720 | 10200. | 81 | 15174 | No |
| 77 | GOM_NL__2PRFIN20050124_032556_000000432034_00090_15174_8733.N1 | 24-JAN-2005 03:25:56 | Dark | 42.500 | 71 | lot Car | 2.2460 | 7700.0 | 85 | 15174 | No |
| 78 | GOM_NL__2PRFIN20050124_032747_000000452034_00090_15174_8734.N1 | 24-JAN-2005 03:27:47 | Dark | 45.000 | 46 | Del Vel | 1.9540 | 10600. | 90 | 15174 | No |
| 79 | GOM_NL__2PRFIN20050124_033017_000000522034_00090_15174_8735.N1 | 24-JAN-2005 03:30:17 | Dark | 52.000 | 2 | Alp Car | -0.73600 | 7000.0 | 104 | 15174 | No |
| 80 | GOM_NL__2PRFIN20050124_033230_000000442034_00090_15174_8736.N1 | 24-JAN-2005 03:32:30 | Straylight | 44.000 | 70 | Zet Pup | 2.2460 | 39000. | 88 | 15174 | No |
| 81 | GOM_NL__2PRFIN20050124_033359_000000492034_00090_15174_8737.N1 | 24-JAN-2005 03:33:59 | Straylight | 48.500 | 117 | Pi Pup | 2.7060 | 3800.0 | 97 | 15174 | No |
| 82 | GOM_NL__2PRFIN20050124_033626_000000482034_00090_15174_8738.N1 | 24-JAN-2005 03:36:26 | Straylight | 47.500 | 23 | 21Eps CMa | 1.5020 | 26000. | 95 | 15174 | No |
| 83 | GOM_NL__2PRFIN20050124_033749_000000422034_00090_15174_8739.N1 | 24-JAN-2005 03:37:49 | Straylight | 42.000 | 179 | 24Omi2CMa | 3.0320 | 24000. | 84 | 15174 | No |
| 84 | GOM_NL__2PRFIN20050124_033959_000000522034_00090_15174_8740.N1 | 24-JAN-2005 03:39:59 | Straylight | 52.000 | 1 | 9Alp CMa | -1.4400 | 11000. | 104 | 15174 | No |
| 85 | GOM_NL__2PRFIN20050124_034214_000000742034_00090_15174_8741.N1 | 24-JAN-2005 03:42:14 | Straylight | 73.500 | 48 | 30Alp Hya | 1.9770 | 4100.0 | 147 | 15174 | No |
| 86 | GOM_NL__2PRFIN20050124_034507_000000442034_00090_15174_8742.N1 | 24-JAN-2005 03:45:07 | Tw_i_and_stray | 43.500 | 30 | 46Eps Ori | 1.6940 | 30000. | 87 | 15174 | No |
| 87 | GOM_NL__2PRFIN20050124_034713_000000522034_00090_15174_8743.N1 | 24-JAN-2005 03:47:13 | Bright | 52.000 | 14 | 58Alp Ori | 0.87000 | 3000.0 | 104 | 15174 | No |
| 88 | GOM_NL__2PRFIN20050124_034921_000000412034_00090_15174_8744.N1 | 24-JAN-2005 03:49:21 | Bright | 41.000 | 44 | 24Gam Gem | 1.9280 | 11000. | 82 | 15174 | No |
| 89 | GOM_NL__2PRFIN20050124_035108_000000412034_00090_15174_8745.N1 | 24-JAN-2005 03:51:08 | Bright | 41.000 | 151 | 13Mu Gem | 2.8900 | 3000.0 | 82 | 15174 | No |
| 90 | GOM_NL__2PRFIN20050124_035310_000000462034_00090_15174_8746.N1 | 24-JAN-2005 03:53:10 | Bright | 46.000 | 17 | 78Bet Gem | 1.1610 | 4500.0 | 92 | 15174 | No |
| 91 | GOM_NL__2PRFIN20050124_035521_000000392034_00090_15174_8747.N1 | 24-JAN-2005 03:55:21 | Bright | 38.500 | 107 | 37The Aur | 2.6490 | 11000. | 77 | 15174 | No |
| 92 | GOM_NL__2PRFIN20050124_035729_000000412034_00090_15174_8748.N1 | 24-JAN-2005 03:57:29 | Bright | 40.500 | 42 | 34Bet Aur | 1.9000 | 10200. | 81 | 15174 | No |
| 93 | GOM_NL__2PRFIN20050124_040101_000001372034_00090_15174_8749.N1 | 24-JAN-2005 04:01:01 | Bright | 136.50 | 51 | 41Gam1Leo | 2.0100 | 4500.0 | 273 | 15174 | No |
| 94 | GOM_NL__2PRFIN20050124_040959_000000382034_00090_15174_8750.N1 | 24-JAN-2005 04:09:59 | Bright | 37.500 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 75 | 15174 | No |
| 95 | GOM_NL__2PRFIN20050124_041331_000000442034_00090_15174_8751.N1 | 24-JAN-2005 04:13:31 | Bright | 43.500 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 87 | 15174 | No |
| 96 | GOM_NL__2PRFIN20050124_041530_000000392034_00090_15174_8752.N1 | 24-JAN-2005 04:15:30 | Bright | 39.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 78 | 15174 | No |
| 97 | GOM_NL__2PRFIN20050124_041804_000000432034_00090_15174_8753.N1 | 24-JAN-2005 04:18:04 | Bright | 43.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 86 | 15174 | No |
| 98 | GOM_NL__2PRFIN20050124_042059_000000362034_00090_15174_8754.N1 | 24-JAN-2005 04:20:59 | Bright | 35.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 71 | 15174 | No |
| 99 | GOM_NL__2PRFIN20050124_042256_000001152034_00090_15174_8755.N1 | 24-JAN-2005 04:22:56 | Bright | 114.50 | 152 | 12Alp2CVn | 2.8900 | 11000. | 229 | 15174 | No |
| 100 | GOM_NL__2PRFIN20050124_042725_000000562034_00090_15174_8756.N1 | 24-JAN-2005 04:27:25 | Bright | 55.500 | 133 | 40Zet Her | 2.8070 | 6000.0 | 111 | 15174 | No |
| 101 | GOM_NL__2PRFIN20050124_043047_000000752034_00090_15174_8757.N1 | 24-JAN-2005 04:30:47 | Bright | 74.500 | 83 | | 2.3780 | 11000. | 149 | 15174 | No |

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|-----|--|----------------------|------------|--------|-----|-----------|-----------|--------|-----|-------|----|
| 102 | GOM_NL__2PRFIN20050124_043426_000000392034_00090_15174_8758.N1 | 24-JAN-2005 04:34:26 | Bright | 39.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 78 | 15174 | No |
| 103 | GOM_NL__2PRFIN20050124_043709_000001622034_00090_15174_8759.N1 | 24-JAN-2005 04:37:09 | Twilight | 162.00 | 3 | 16Alp Boo | -0.050000 | 4250.0 | 324 | 15174 | No |
| 104 | GOM_NL__2PRFIN20050124_044439_000000562034_00090_15174_8760.N1 | 24-JAN-2005 04:44:39 | Twilight | 56.000 | 16 | 21Alp Sco | 1.0200 | 3000.0 | 112 | 15174 | No |
| 105 | GOM_NL__2PRFIN20050124_044605_000000492034_00090_15174_8761.N1 | 24-JAN-2005 04:46:05 | Dark | 49.000 | 75 | 26Eps Sco | 2.2910 | 4250.0 | 98 | 15174 | No |
| 106 | GOM_NL__2PRFIN20050124_044734_000000402034_00090_15174_8762.N1 | 24-JAN-2005 04:47:34 | Dark | 39.500 | 40 | The Sco | 1.8590 | 7100.0 | 79 | 15174 | No |
| 107 | GOM_NL__2PRFIN20050124_044928_000000392034_00090_15174_8763.N1 | 24-JAN-2005 04:49:28 | Dark | 38.500 | 147 | Alp Ara | 2.8770 | 26000. | 77 | 15174 | No |
| 108 | GOM_NL__2PRFIN20050124_045214_000000452034_00090_15174_8764.N1 | 24-JAN-2005 04:52:14 | Dark | 44.500 | 109 | Bet Lup | 2.6770 | 26000. | 89 | 15174 | No |
| 109 | GOM_NL__2PRFIN20050124_045548_000000462034_00091_15175_8729.N1 | 24-JAN-2005 04:55:48 | Dark | 45.500 | 4 | Alp1Cen | -0.010000 | 5800.0 | 91 | 15175 | No |
| 110 | GOM_NL__2PRFIN20050124_045716_000000452034_00091_15175_8730.N1 | 24-JAN-2005 04:57:16 | Dark | 45.000 | 77 | Eps Cen | 2.3030 | 28000. | 90 | 15175 | No |
| 111 | GOM_NL__2PRFIN20050124_050021_000000462034_00091_15175_8731.N1 | 24-JAN-2005 05:00:21 | Dark | 45.500 | 12 | Alp1Cru | 0.77500 | 30000. | 91 | 15175 | No |
| 112 | GOM_NL__2PRFIN20050124_050153_000000482034_00091_15175_8732.N1 | 24-JAN-2005 05:01:53 | Dark | 47.500 | 99 | Del Cen | 2.5750 | 26000. | 95 | 15175 | No |
| 113 | GOM_NL__2PRFIN20050124_050424_000000452034_00091_15175_8733.N1 | 24-JAN-2005 05:04:24 | Dark | 44.500 | 29 | Bet Car | 1.6720 | 10200. | 89 | 15175 | No |
| 114 | GOM_NL__2PRFIN20050124_050635_000000462034_00091_15175_8734.N1 | 24-JAN-2005 05:06:35 | Dark | 46.000 | 71 | lot Car | 2.2460 | 7700.0 | 92 | 15175 | No |
| 115 | GOM_NL__2PRFIN20050124_050823_000000452034_00091_15175_8735.N1 | 24-JAN-2005 05:08:23 | Dark | 45.000 | 46 | Del Vel | 1.9540 | 10600. | 90 | 15175 | No |
| 116 | GOM_NL__2PRFIN20050124_051053_000000522034_00091_15175_8736.N1 | 24-JAN-2005 05:10:53 | Dark | 52.000 | 2 | Alp Car | -0.73600 | 7000.0 | 104 | 15175 | No |
| 117 | GOM_NL__2PRFIN20050124_051306_000000432034_00091_15175_8737.N1 | 24-JAN-2005 05:13:06 | Straylight | 42.500 | 70 | Zet Pup | 2.2460 | 39000. | 85 | 15175 | No |
| 118 | GOM_NL__2PRFIN20050124_051436_000000452034_00091_15175_8738.N1 | 24-JAN-2005 05:14:36 | Straylight | 44.500 | 117 | Pi Pup | 2.7060 | 3800.0 | 89 | 15175 | No |
| 119 | GOM_NL__2PRFIN20050124_051705_000000432034_00091_15175_8739.N1 | 24-JAN-2005 05:17:05 | Straylight | 43.000 | 23 | 21Eps CMa | 1.5020 | 26000. | 86 | 15175 | No |
| 120 | GOM_NL__2PRFIN20050124_051828_000000422034_00091_15175_8740.N1 | 24-JAN-2005 05:18:28 | Straylight | 41.500 | 179 | 24Omi2CMa | 3.0320 | 24000. | 83 | 15175 | No |
| 121 | GOM_NL__2PRFIN20050124_052038_000000522034_00091_15175_8741.N1 | 24-JAN-2005 05:20:38 | Straylight | 52.000 | 1 | 9Alp CMa | -1.4400 | 11000. | 104 | 15175 | No |
| 122 | GOM_NL__2PRFIN20050124_052249_000000612034_00091_15175_8742.N1 | 24-JAN-2005 05:22:49 | Straylight | 60.500 | 48 | 30Alp Hya | 1.9770 | 4100.0 | 121 | 15175 | No |
| 123 | GOM_NL__2PRFIN20050124_052544_000000442034_00091_15175_8743.N1 | 24-JAN-2005 05:25:44 | Twilight | 44.000 | 30 | 46Eps Ori | 1.6940 | 30000. | 88 | 15175 | No |
| 124 | GOM_NL__2PRFIN20050124_052748_000000462034_00091_15175_8744.N1 | 24-JAN-2005 05:27:48 | Bright | 46.000 | 14 | 58Alp Ori | 0.87000 | 3000.0 | 92 | 15175 | No |
| 125 | GOM_NL__2PRFIN20050124_052958_000000422034_00091_15175_8745.N1 | 24-JAN-2005 05:29:58 | Bright | 41.500 | 44 | 24Gam Gem | 1.9280 | 11000. | 83 | 15175 | No |
| 126 | GOM_NL__2PRFIN20050124_053145_000000422034_00091_15175_8746.N1 | 24-JAN-2005 05:31:45 | Bright | 42.000 | 151 | 13Mu Gem | 2.8900 | 3000.0 | 84 | 15175 | No |
| 127 | GOM_NL__2PRFIN20050124_053347_000000462034_00091_15175_8747.N1 | 24-JAN-2005 05:33:47 | Bright | 45.500 | 17 | 78Bet Gem | 1.1610 | 4500.0 | 91 | 15175 | No |
| 128 | GOM_NL__2PRFIN20050124_053558_000000382034_00091_15175_8748.N1 | 24-JAN-2005 05:35:58 | Bright | 38.000 | 107 | 37The Aur | 2.6490 | 11000. | 76 | 15175 | No |
| 129 | GOM_NL__2PRFIN20050124_053807_000000362034_00091_15175_8749.N1 | 24-JAN-2005 05:38:07 | Bright | 36.000 | 42 | 34Bet Aur | 1.9000 | 10200. | 72 | 15175 | No |
| 130 | GOM_NL__2PRFIN20050124_054134_000001372034_00091_15175_8750.N1 | 24-JAN-2005 05:41:34 | Bright | 136.50 | 51 | 41Gam1Leo | 2.0100 | 4500.0 | 273 | 15175 | No |
| 131 | GOM_NL__2PRFIN20050124_054930_000000512034_00091_15175_8751.N1 | 24-JAN-2005 05:49:30 | Bright | 50.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 101 | 15175 | No |
| 132 | GOM_NL__2PRFIN20050124_055408_000000432034_00091_15175_8752.N1 | 24-JAN-2005 05:54:08 | Bright | 42.500 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 85 | 15175 | No |
| 133 | GOM_NL__2PRFIN20050124_055607_000000392034_00091_15175_8753.N1 | 24-JAN-2005 05:56:07 | Bright | 39.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 78 | 15175 | No |
| 134 | GOM_NL__2PRFIN20050124_055840_000000412034_00091_15175_8754.N1 | 24-JAN-2005 05:58:40 | Bright | 41.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 82 | 15175 | No |
| 135 | GOM_NL__2PRFIN20050124_060135_000000402034_00091_15175_8755.N1 | 24-JAN-2005 06:01:35 | Bright | 39.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 79 | 15175 | No |
| 136 | GOM_NL__2PRFIN20050124_060331_000001152034_00091_15175_8756.N1 | 24-JAN-2005 06:03:31 | Bright | 115.00 | 152 | 12Alp2CVn | 2.8900 | 11000. | 230 | 15175 | No |
| 137 | GOM_NL__2PRFIN20050124_060802_000000422034_00091_15175_8757.N1 | 24-JAN-2005 06:08:02 | Bright | 42.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 84 | 15175 | No |
| 138 | GOM_NL__2PRFIN20050124_061123_000000732034_00091_15175_8758.N1 | 24-JAN-2005 06:11:23 | Bright | 73.000 | 83 | | 2.3780 | 11000. | 146 | 15175 | No |
| 139 | GOM_NL__2PRFIN20050124_061505_000000382034_00091_15175_8759.N1 | 24-JAN-2005 06:15:05 | Bright | 37.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 75 | 15175 | No |
| 140 | GOM_NL__2PRFIN20050124_061747_000001712034_00091_15175_8760.N1 | 24-JAN-2005 06:17:47 | Twilight | 170.50 | 3 | 16Alp Boo | -0.050000 | 4250.0 | 341 | 15175 | No |
| 141 | GOM_NL__2PRFIN20050124_062515_000000522034_00091_15175_8761.N1 | 24-JAN-2005 06:25:15 | Twilight | 51.500 | 16 | 21Alp Sco | 1.0200 | 3000.0 | 103 | 15175 | No |
| 142 | GOM_NL__2PRFIN20050124_062642_000000452034_00091_15175_8762.N1 | 24-JAN-2005 06:26:42 | Dark | 45.000 | 75 | 26Eps Sco | 2.2910 | 4250.0 | 90 | 15175 | No |
| 143 | GOM_NL__2PRFIN20050124_062810_000000422034_00091_15175_8763.N1 | 24-JAN-2005 06:28:10 | Dark | 41.500 | 40 | The Sco | 1.8590 | 7100.0 | 83 | 15175 | No |
| 144 | GOM_NL__2PRFIN20050124_063005_000000412034_00091_15175_8764.N1 | 24-JAN-2005 06:30:05 | Dark | 40.500 | 147 | Alp Ara | 2.8770 | 26000. | 81 | 15175 | No |
| 145 | GOM_NL__2PRFIN20050124_063251_000000462034_00091_15175_8765.N1 | 24-JAN-2005 06:32:51 | Dark | 46.000 | 109 | Bet Lup | 2.6770 | 26000. | 92 | 15175 | No |
| 146 | GOM_NL__2PRFIN20050124_063625_000000552034_00092_15176_8614.N1 | 24-JAN-2005 06:36:25 | Dark | 55.000 | 4 | Alp1Cen | -0.010000 | 5800.0 | 110 | 15176 | No |
| 147 | GOM_NL__2PRFIN20050124_063754_000000442034_00092_15176_8615.N1 | 24-JAN-2005 06:37:54 | Dark | 44.000 | 77 | Eps Cen | 2.3030 | 28000. | 88 | 15176 | No |
| 148 | GOM_NL__2PRFIN20050124_064058_000000512034_00092_15176_8616.N1 | 24-JAN-2005 06:40:58 | Dark | 51.000 | 12 | Alp1Cru | 0.77500 | 30000. | 102 | 15176 | No |
| 149 | GOM_NL__2PRFIN20050124_064230_000000482034_00092_15176_8617.N1 | 24-JAN-2005 06:42:30 | Dark | 47.500 | 99 | Del Cen | 2.5750 | 26000. | 95 | 15176 | No |
| 150 | GOM_NL__2PRFIN20050124_064501_000000402034_00092_15176_8618.N1 | 24-JAN-2005 06:45:01 | Dark | 40.000 | 29 | Bet Car | 1.6720 | 10200. | 80 | 15176 | No |
| 151 | GOM_NL__2PRFIN20050124_064712_000000432034_00092_15176_8619.N1 | 24-JAN-2005 06:47:12 | Dark | 43.000 | 71 | lot Car | 2.2460 | 7700.0 | 86 | 15176 | No |
| 152 | GOM_NL__2PRFIN20050124_064900_000000432034_00092_15176_8620.N1 | 24-JAN-2005 06:49:00 | Dark | 43.000 | 46 | Del Vel | 1.9540 | 10600. | 86 | 15176 | No |
| 153 | GOM_NL__2PRFIN20050124_065129_000000472034_00092_15176_8621.N1 | 24-JAN-2005 06:51:29 | Dark | 47.000 | 2 | Alp Car | -0.73600 | 7000.0 | 94 | 15176 | No |
| 154 | GOM_NL__2PRFIN20050124_065343_000000432034_00092_15176_8622.N1 | 24-JAN-2005 06:53:43 | Straylight | 43.000 | 70 | Zet Pup | 2.2460 | 39000. | 86 | 15176 | No |
| 155 | GOM_NL__2PRFIN20050124_065513_000000442034_00092_15176_8623.N1 | 24-JAN-2005 06:55:13 | Straylight | 44.000 | 117 | Pi Pup | 2.7060 | 3800.0 | 88 | 15176 | No |
| 156 | GOM_NL__2PRFIN20050124_065741_000000472034_00092_15176_8624.N1 | 24-JAN-2005 06:57:41 | Straylight | 46.500 | 23 | 21Eps CMa | 1.5020 | 26000. | 93 | 15176 | No |
| 157 | GOM_NL__2PRFIN20050124_065904_000000412034_00092_15176_8625.N1 | 24-JAN-2005 06:59:04 | Straylight | 41.000 | 179 | 24Omi2CMa | 3.0320 | 24000. | 82 | 15176 | No |
| 158 | GOM_NL__2PRFIN20050124_070114_000000482034_00092_15176_8626.N1 | 24-JAN-2005 07:01:14 | Straylight | 48.000 | 1 | 9Alp CMa | -1.4400 | 11000. | 96 | 15176 | No |
| 159 | GOM_NL__2PRFIN20050124_070325_000000622034_00092_15176_8627.N1 | 24-JAN-2005 07:03:25 | Straylight | 62.000 | 48 | 30Alp Hya | 1.9770 | 4100.0 | 124 | 15176 | No |
| 160 | GOM_NL__2PRFIN20050124_070620_000000452034_00092_15176_8628.N1 | 24-JAN-2005 07:06:20 | Twilight | 44.500 | 30 | 46Eps Ori | 1.6940 | 30000. | 89 | 15176 | No |

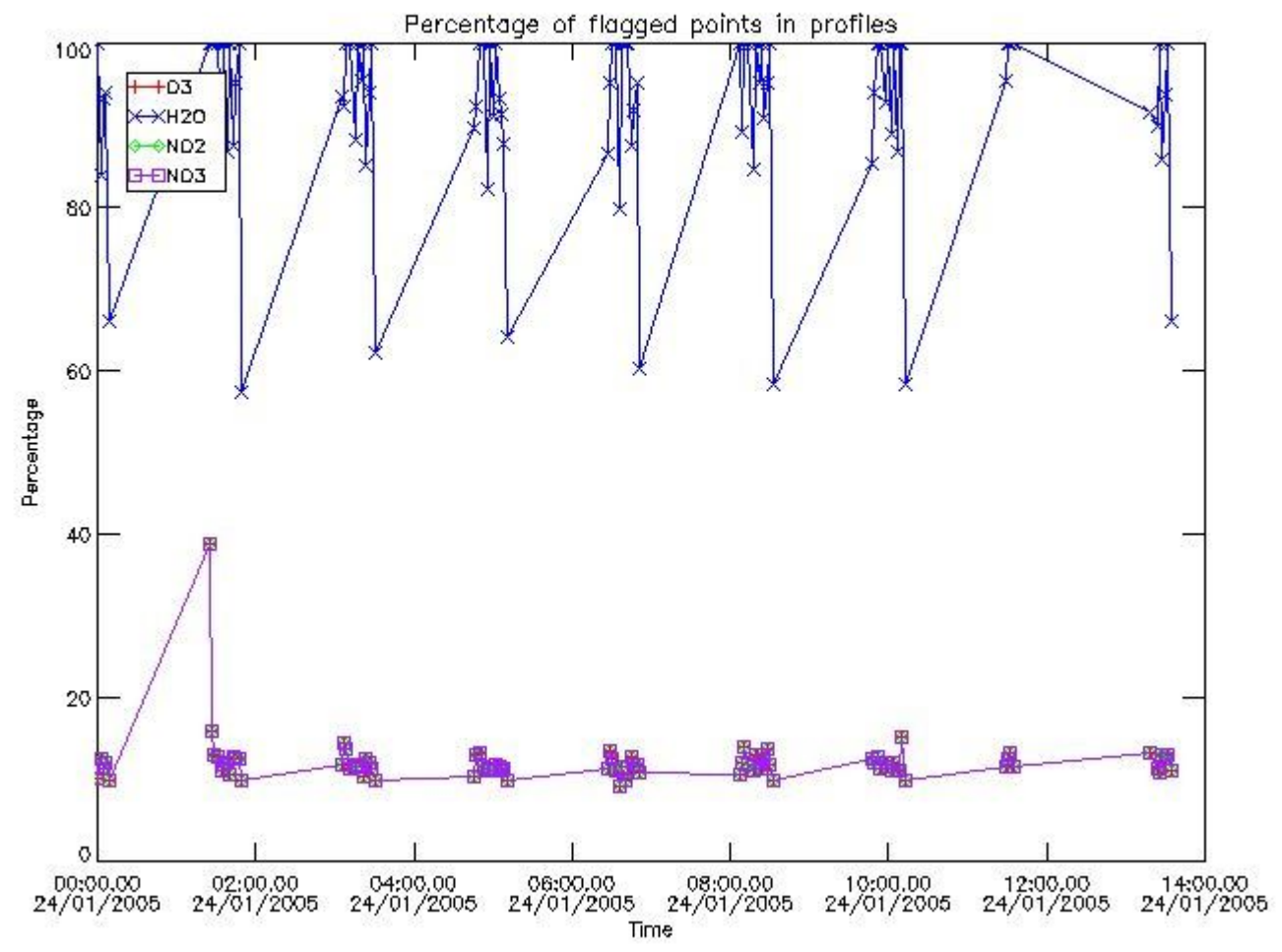
| | | | | | | | | | | | |
|-----|--|----------------------|------------|--------|-----|-----------|-----------|--------|-----|-------|----|
| 161 | GOM_NL__2PRFIN20050124_070825_000000462034_00092_15176_8629.N1 | 24-JAN-2005 07:08:25 | Bright | 45.500 | 14 | 58Alp Ori | 0.87000 | 3000.0 | 91 | 15176 | No |
| 162 | GOM_NL__2PRFIN20050124_071034_000000382034_00092_15176_8630.N1 | 24-JAN-2005 07:10:34 | Bright | 37.500 | 44 | 24Gam Gem | 1.9280 | 11000. | 75 | 15176 | No |
| 163 | GOM_NL__2PRFIN20050124_071221_000000522034_00092_15176_8631.N1 | 24-JAN-2005 07:12:21 | Bright | 52.000 | 151 | 13Mu Gem | 2.8900 | 3000.0 | 104 | 15176 | No |
| 164 | GOM_NL__2PRFIN20050124_071423_000000462034_00092_15176_8632.N1 | 24-JAN-2005 07:14:23 | Bright | 45.500 | 17 | 78Bet Gem | 1.1610 | 4500.0 | 91 | 15176 | No |
| 165 | GOM_NL__2PRFIN20050124_071635_000000372034_00092_15176_8633.N1 | 24-JAN-2005 07:16:35 | Bright | 37.000 | 107 | 37The Aur | 2.6490 | 11000. | 74 | 15176 | No |
| 166 | GOM_NL__2PRFIN20050124_071842_000000372034_00092_15176_8634.N1 | 24-JAN-2005 07:18:42 | Bright | 36.500 | 42 | 34Bet Aur | 1.9000 | 10200. | 73 | 15176 | No |
| 167 | GOM_NL__2PRFIN20050124_072206_000001332034_00092_15176_8635.N1 | 24-JAN-2005 07:22:06 | Bright | 133.00 | 51 | 41Gam1Leo | 2.0100 | 4500.0 | 266 | 15176 | No |
| 168 | GOM_NL__2PRFIN20050124_073006_000000452034_00092_15176_8636.N1 | 24-JAN-2005 07:30:06 | Bright | 44.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 89 | 15176 | No |
| 169 | GOM_NL__2PRFIN20050124_073444_000000372034_00092_15176_8637.N1 | 24-JAN-2005 07:34:44 | Bright | 37.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 74 | 15176 | No |
| 170 | GOM_NL__2PRFIN20050124_073644_000000362034_00092_15176_8638.N1 | 24-JAN-2005 07:36:44 | Bright | 36.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 72 | 15176 | No |
| 171 | GOM_NL__2PRFIN20050124_073917_000000412034_00092_15176_8639.N1 | 24-JAN-2005 07:39:17 | Bright | 41.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 82 | 15176 | No |
| 172 | GOM_NL__2PRFIN20050124_074211_000000402034_00092_15176_8640.N1 | 24-JAN-2005 07:42:11 | Bright | 39.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 79 | 15176 | No |
| 173 | GOM_NL__2PRFIN20050124_074405_000001132034_00092_15176_8641.N1 | 24-JAN-2005 07:44:05 | Bright | 112.50 | 152 | 12Alp2CVn | 2.8900 | 11000. | 225 | 15176 | No |
| 174 | GOM_NL__2PRFIN20050124_074838_000000402034_00092_15176_8642.N1 | 24-JAN-2005 07:48:38 | Bright | 40.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 80 | 15176 | No |
| 175 | GOM_NL__2PRFIN20050124_075200_000000782034_00092_15176_8643.N1 | 24-JAN-2005 07:52:00 | Bright | 77.500 | 83 | | 2.3780 | 11000. | 155 | 15176 | No |
| 176 | GOM_NL__2PRFIN20050124_075541_000000372034_00092_15176_8644.N1 | 24-JAN-2005 07:55:41 | Bright | 37.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 74 | 15176 | No |
| 177 | GOM_NL__2PRFIN20050124_075824_000001552034_00092_15176_8645.N1 | 24-JAN-2005 07:58:24 | Twilight | 154.50 | 3 | 16Alp Boo | -0.050000 | 4250.0 | 309 | 15176 | No |
| 178 | GOM_NL__2PRFIN20050124_080553_000000562034_00092_15176_8646.N1 | 24-JAN-2005 08:05:53 | Twilight | 56.000 | 16 | 21Alp Sco | 1.0200 | 3000.0 | 112 | 15176 | No |
| 179 | GOM_NL__2PRFIN20050124_080719_000000482034_00092_15176_8647.N1 | 24-JAN-2005 08:07:19 | Dark | 48.000 | 75 | 26Eps Sco | 2.2910 | 4250.0 | 96 | 15176 | No |
| 180 | GOM_NL__2PRFIN20050124_080846_000000422034_00092_15176_8648.N1 | 24-JAN-2005 08:08:46 | Dark | 42.000 | 40 | The Sco | 1.8590 | 7100.0 | 84 | 15176 | No |
| 181 | GOM_NL__2PRFIN20050124_081040_000000402034_00092_15176_8649.N1 | 24-JAN-2005 08:10:40 | Dark | 40.000 | 147 | Alp Ara | 2.8770 | 26000. | 80 | 15176 | No |
| 182 | GOM_NL__2PRFIN20050124_081328_000000442034_00092_15176_8650.N1 | 24-JAN-2005 08:13:28 | Dark | 43.500 | 109 | Bet Lup | 2.6770 | 26000. | 87 | 15176 | No |
| 183 | GOM_NL__2PRFIN20050124_081701_000000462034_00093_15177_8614.N1 | 24-JAN-2005 08:17:01 | Dark | 46.000 | 4 | Alp1Cen | -0.010000 | 5800.0 | 92 | 15177 | No |
| 184 | GOM_NL__2PRFIN20050124_081831_000000432034_00093_15177_8615.N1 | 24-JAN-2005 08:18:31 | Dark | 43.000 | 77 | Eps Cen | 2.3030 | 28000. | 86 | 15177 | No |
| 185 | GOM_NL__2PRFIN20050124_082135_000000432034_00093_15177_8616.N1 | 24-JAN-2005 08:21:35 | Dark | 42.500 | 12 | Alp1Cru | 0.77500 | 30000. | 85 | 15177 | No |
| 186 | GOM_NL__2PRFIN20050124_082307_000000452034_00093_15177_8617.N1 | 24-JAN-2005 08:23:07 | Dark | 45.000 | 99 | Del Cen | 2.5750 | 26000. | 90 | 15177 | No |
| 187 | GOM_NL__2PRFIN20050124_082537_000000392034_00093_15177_8618.N1 | 24-JAN-2005 08:25:37 | Dark | 39.000 | 29 | Bet Car | 1.6720 | 10200. | 78 | 15177 | No |
| 188 | GOM_NL__2PRFIN20050124_082748_000000412034_00093_15177_8619.N1 | 24-JAN-2005 08:27:48 | Dark | 41.000 | 71 | lot Car | 2.2460 | 7700.0 | 82 | 15177 | No |
| 189 | GOM_NL__2PRFIN20050124_082937_000000432034_00093_15177_8620.N1 | 24-JAN-2005 08:29:37 | Dark | 43.000 | 46 | Del Vel | 1.9540 | 10600. | 86 | 15177 | No |
| 190 | GOM_NL__2PRFIN20050124_083205_000000522034_00093_15177_8621.N1 | 24-JAN-2005 08:32:05 | Dark | 52.000 | 2 | Alp Car | -0.73600 | 7000.0 | 104 | 15177 | No |
| 191 | GOM_NL__2PRFIN20050124_083420_000000412034_00093_15177_8622.N1 | 24-JAN-2005 08:34:20 | Straylight | 40.500 | 70 | Zet Pup | 2.2460 | 39000. | 81 | 15177 | No |
| 192 | GOM_NL__2PRFIN20050124_083549_000000452034_00093_15177_8623.N1 | 24-JAN-2005 08:35:49 | Straylight | 45.000 | 117 | Pi Pup | 2.7060 | 3800.0 | 90 | 15177 | No |
| 193 | GOM_NL__2PRFIN20050124_083818_000000442034_00093_15177_8624.N1 | 24-JAN-2005 08:38:18 | Straylight | 43.500 | 23 | 21Eps CMa | 1.5020 | 26000. | 87 | 15177 | No |
| 194 | GOM_NL__2PRFIN20050124_083940_000000402034_00093_15177_8625.N1 | 24-JAN-2005 08:39:40 | Straylight | 39.500 | 179 | 24Omi2CMa | 3.0320 | 24000. | 79 | 15177 | No |
| 195 | GOM_NL__2PRFIN20050124_084150_000000462034_00093_15177_8626.N1 | 24-JAN-2005 08:41:50 | Straylight | 45.500 | 1 | 9Alp CMa | -1.4400 | 11000. | 91 | 15177 | No |
| 196 | GOM_NL__2PRFIN20050124_084400_000000762034_00093_15177_8627.N1 | 24-JAN-2005 08:44:00 | Straylight | 75.500 | 48 | 30Alp Hya | 1.9770 | 4100.0 | 151 | 15177 | No |
| 197 | GOM_NL__2PRFIN20050124_084656_000000412034_00093_15177_8628.N1 | 24-JAN-2005 08:46:56 | Twilight | 41.000 | 30 | 46Eps Ori | 1.6940 | 30000. | 82 | 15177 | No |
| 198 | GOM_NL__2PRFIN20050124_084902_000000442034_00093_15177_8629.N1 | 24-JAN-2005 08:49:02 | Bright | 44.000 | 14 | 58Alp Ori | 0.87000 | 3000.0 | 88 | 15177 | No |
| 199 | GOM_NL__2PRFIN20050124_085110_000000382034_00093_15177_8630.N1 | 24-JAN-2005 08:51:10 | Bright | 37.500 | 44 | 24Gam Gem | 1.9280 | 11000. | 75 | 15177 | No |
| 200 | GOM_NL__2PRFIN20050124_085256_000000412034_00093_15177_8631.N1 | 24-JAN-2005 08:52:56 | Bright | 40.500 | 151 | 13Mu Gem | 2.8900 | 3000.0 | 81 | 15177 | No |
| 201 | GOM_NL__2PRFIN20050124_085459_000000462034_00093_15177_8632.N1 | 24-JAN-2005 08:54:59 | Bright | 45.500 | 17 | 78Bet Gem | 1.1610 | 4500.0 | 91 | 15177 | No |
| 202 | GOM_NL__2PRFIN20050124_085710_000000382034_00093_15177_8633.N1 | 24-JAN-2005 08:57:10 | Bright | 37.500 | 107 | 37The Aur | 2.6490 | 11000. | 75 | 15177 | No |
| 203 | GOM_NL__2PRFIN20050124_085919_000000372034_00093_15177_8634.N1 | 24-JAN-2005 08:59:19 | Bright | 37.000 | 42 | 34Bet Aur | 1.9000 | 10200. | 74 | 15177 | No |
| 204 | GOM_NL__2PRFIN20050124_090238_000001372034_00093_15177_8635.N1 | 24-JAN-2005 09:02:38 | Bright | 136.50 | 51 | 41Gam1Leo | 2.0100 | 4500.0 | 273 | 15177 | No |
| 205 | GOM_NL__2PRFIN20050124_091041_000000492034_00093_15177_8636.N1 | 24-JAN-2005 09:10:41 | Bright | 48.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 97 | 15177 | No |
| 206 | GOM_NL__2PRFIN20050124_091520_000000402034_00093_15177_8637.N1 | 24-JAN-2005 09:15:20 | Bright | 40.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 80 | 15177 | No |
| 207 | GOM_NL__2PRFIN20050124_091719_000000392034_00093_15177_8638.N1 | 24-JAN-2005 09:17:19 | Bright | 39.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 78 | 15177 | No |
| 208 | GOM_NL__2PRFIN20050124_091953_000000412034_00093_15177_8639.N1 | 24-JAN-2005 09:19:53 | Bright | 41.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 82 | 15177 | No |
| 209 | GOM_NL__2PRFIN20050124_092247_000000372034_00093_15177_8640.N1 | 24-JAN-2005 09:22:47 | Bright | 36.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 73 | 15177 | No |
| 210 | GOM_NL__2PRFIN20050124_092441_000001132034_00093_15177_8641.N1 | 24-JAN-2005 09:24:41 | Bright | 112.50 | 152 | 12Alp2CVn | 2.8900 | 11000. | 225 | 15177 | No |
| 211 | GOM_NL__2PRFIN20050124_092914_000000412034_00093_15177_8642.N1 | 24-JAN-2005 09:29:14 | Bright | 40.500 | 133 | 40Zet Her | 2.8070 | 6000.0 | 81 | 15177 | No |
| 212 | GOM_NL__2PRFIN20050124_093236_000000742034_00093_15177_8643.N1 | 24-JAN-2005 09:32:36 | Bright | 73.500 | 83 | | 2.3780 | 11000. | 147 | 15177 | No |
| 213 | GOM_NL__2PRFIN20050124_093618_000000372034_00093_15177_8644.N1 | 24-JAN-2005 09:36:18 | Bright | 37.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 74 | 15177 | No |
| 214 | GOM_NL__2PRFIN20050124_093902_000001472034_00093_15177_8645.N1 | 24-JAN-2005 09:39:02 | Twilight | 146.50 | 3 | 16Alp Boo | -0.050000 | 4250.0 | 293 | 15177 | No |
| 215 | GOM_NL__2PRFIN20050124_094629_000000502034_00093_15177_8646.N1 | 24-JAN-2005 09:46:29 | Twilight | 49.500 | 16 | 21Alp Sco | 1.0200 | 3000.0 | 99 | 15177 | No |
| 216 | GOM_NL__2PRFIN20050124_094755_000000412034_00093_15177_8647.N1 | 24-JAN-2005 09:47:55 | Dark | 41.000 | 75 | 26Eps Sco | 2.2910 | 4250.0 | 82 | 15177 | No |
| 217 | GOM_NL__2PRFIN20050124_094922_000000432034_00093_15177_8648.N1 | 24-JAN-2005 09:49:22 | Dark | 42.500 | 40 | The Sco | 1.8590 | 7100.0 | 85 | 15177 | No |
| 218 | GOM_NL__2PRFIN20050124_095116_000000402034_00093_15177_8649.N1 | 24-JAN-2005 09:51:16 | Dark | 40.000 | 147 | Alp Ara | 2.8770 | 26000. | 80 | 15177 | No |
| 219 | GOM_NL__2PRFIN20050124_095405_000000452034_00093_15177_8650.N1 | 24-JAN-2005 09:54:05 | Dark | 45.000 | 109 | Bet Lup | 2.6770 | 26000. | 90 | 15177 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|------------|--------|-----|-----------|-----------|--------|-----|-------|----|
| 220 | GOM_NL__2PRFIN20050124_095738_000000432034_00094_15178_8614.N1 | 24-JAN-2005 09:57:38 | Dark | 42.500 | 4 | Alp1Cen | -0.010000 | 5800.0 | 85 | 15178 | No |
| 221 | GOM_NL__2PRFIN20050124_095908_000000442034_00094_15178_8615.N1 | 24-JAN-2005 09:59:08 | Dark | 44.000 | 77 | Eps Cen | 2.3030 | 28000. | 88 | 15178 | No |
| 222 | GOM_NL__2PRFIN20050124_100211_000000462034_00094_15178_8616.N1 | 24-JAN-2005 10:02:11 | Dark | 45.500 | 12 | Alp1Cru | 0.77500 | 30000. | 91 | 15178 | No |
| 223 | GOM_NL__2PRFIN20050124_100344_000000472034_00094_15178_8617.N1 | 24-JAN-2005 10:03:44 | Dark | 46.500 | 99 | Del Cen | 2.5750 | 26000. | 93 | 15178 | No |
| 224 | GOM_NL__2PRFIN20050124_100613_000000462034_00094_15178_8618.N1 | 24-JAN-2005 10:06:13 | Dark | 45.500 | 29 | Bet Car | 1.6720 | 10200. | 91 | 15178 | No |
| 225 | GOM_NL__2PRFIN20050124_100824_000000462034_00094_15178_8619.N1 | 24-JAN-2005 10:08:24 | Dark | 45.500 | 71 | lot Car | 2.2460 | 7700.0 | 91 | 15178 | No |
| 226 | GOM_NL__2PRFIN20050124_101013_000000412034_00094_15178_8620.N1 | 24-JAN-2005 10:10:13 | Dark | 40.500 | 46 | Del Vel | 1.9540 | 10600. | 81 | 15178 | No |
| 227 | GOM_NL__2PRFIN20050124_101241_000000522034_00094_15178_8621.N1 | 24-JAN-2005 10:12:41 | Dark | 52.000 | 2 | Alp Car | -0.73600 | 7000.0 | 104 | 15178 | No |
| 228 | GOM_NL__2PRFIN20050124_101456_000000432034_00094_15178_8622.N1 | 24-JAN-2005 10:14:56 | Straylight | 43.000 | 70 | Zet Pup | 2.2460 | 39000. | 86 | 15178 | No |
| 229 | GOM_NL__2PRFIN20050124_101625_000000462034_00094_15178_8623.N1 | 24-JAN-2005 10:16:25 | Straylight | 46.000 | 117 | Pi Pup | 2.7060 | 3800.0 | 92 | 15178 | No |
| 230 | GOM_NL__2PRFIN20050124_101853_000000432034_00094_15178_8624.N1 | 24-JAN-2005 10:18:53 | Straylight | 43.000 | 23 | 21Eps CMa | 1.5020 | 26000. | 86 | 15178 | No |
| 231 | GOM_NL__2PRFIN20050124_102016_000000422034_00094_15178_8625.N1 | 24-JAN-2005 10:20:16 | Straylight | 41.500 | 179 | 24Omi2CMa | 3.0320 | 24000. | 83 | 15178 | No |
| 232 | GOM_NL__2PRFIN20050124_102226_000000452034_00094_15178_8626.N1 | 24-JAN-2005 10:22:26 | Straylight | 44.500 | 1 | 9Alp CMa | -1.4400 | 11000. | 89 | 15178 | No |
| 233 | GOM_NL__2PRFIN20050124_102436_000000802034_00094_15178_8627.N1 | 24-JAN-2005 10:24:36 | Straylight | 80.000 | 48 | 30Alp Hya | 1.9770 | 4100.0 | 160 | 15178 | No |
| 234 | GOM_NL__2PRFIN20050124_102732_000000402034_00094_15178_8628.N1 | 24-JAN-2005 10:27:32 | Twilight | 39.500 | 30 | 46Eps Ori | 1.6940 | 30000. | 79 | 15178 | No |
| 235 | GOM_NL__2PRFIN20050124_102937_000000522034_00094_15178_8629.N1 | 24-JAN-2005 10:29:37 | Bright | 52.000 | 14 | 58Alp Ori | 0.87000 | 3000.0 | 104 | 15178 | No |
| 236 | GOM_NL__2PRFIN20050124_103146_000000422034_00094_15178_8630.N1 | 24-JAN-2005 10:31:46 | Bright | 42.000 | 44 | 24Gam Gem | 1.9280 | 11000. | 84 | 15178 | No |
| 237 | GOM_NL__2PRFIN20050124_103331_000000402034_00094_15178_8631.N1 | 24-JAN-2005 10:33:31 | Bright | 39.500 | 151 | 13Mu Gem | 2.8900 | 3000.0 | 79 | 15178 | No |
| 238 | GOM_NL__2PRFIN20050124_103534_000000442034_00094_15178_8632.N1 | 24-JAN-2005 10:35:34 | Bright | 44.000 | 17 | 78Bet Gem | 1.1610 | 4500.0 | 88 | 15178 | No |
| 239 | GOM_NL__2PRFIN20050124_103746_000000372034_00094_15178_8633.N1 | 24-JAN-2005 10:37:46 | Bright | 37.000 | 107 | 37The Aur | 2.6490 | 11000. | 74 | 15178 | No |
| 240 | GOM_NL__2PRFIN20050124_103954_000000392034_00094_15178_8634.N1 | 24-JAN-2005 10:39:54 | Bright | 38.500 | 42 | 34Bet Aur | 1.9000 | 10200. | 77 | 15178 | No |
| 241 | GOM_NL__2PRFIN20050124_104311_000001312034_00094_15178_8635.N1 | 24-JAN-2005 10:43:11 | Bright | 130.50 | 51 | 41Gam1Leo | 2.0100 | 4500.0 | 261 | 15178 | No |
| 242 | GOM_NL__2PRFIN20050124_105116_000000502034_00094_15178_8636.N1 | 24-JAN-2005 10:51:16 | Bright | 49.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 99 | 15178 | No |
| 243 | GOM_NL__2PRFIN20050124_105555_000000432034_00094_15178_8637.N1 | 24-JAN-2005 10:55:55 | Bright | 43.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 86 | 15178 | No |
| 244 | GOM_NL__2PRFIN20050124_105756_000000392034_00094_15178_8638.N1 | 24-JAN-2005 10:57:56 | Bright | 39.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 78 | 15178 | No |
| 245 | GOM_NL__2PRFIN20050124_110026_000000432034_00094_15178_8639.N1 | 24-JAN-2005 11:00:26 | Bright | 43.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 86 | 15178 | No |
| 246 | GOM_NL__2PRFIN20050124_110323_000000392034_00094_15178_8640.N1 | 24-JAN-2005 11:03:23 | Bright | 39.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 78 | 15178 | No |
| 247 | GOM_NL__2PRFIN20050124_110516_000001152034_00094_15178_8641.N1 | 24-JAN-2005 11:05:16 | Bright | 115.00 | 152 | 12Alp2CVn | 2.8900 | 11000. | 230 | 15178 | No |
| 248 | GOM_NL__2PRFIN20050124_110950_000000412034_00094_15178_8642.N1 | 24-JAN-2005 11:09:50 | Bright | 40.500 | 133 | 40Zet Her | 2.8070 | 6000.0 | 81 | 15178 | No |
| 249 | GOM_NL__2PRFIN20050124_111313_000000722034_00094_15178_8643.N1 | 24-JAN-2005 11:13:13 | Bright | 72.000 | 83 | | 2.3780 | 11000. | 144 | 15178 | No |
| 250 | GOM_NL__2PRFIN20050124_111653_000000392034_00094_15178_8644.N1 | 24-JAN-2005 11:16:53 | Bright | 38.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 77 | 15178 | No |
| 251 | GOM_NL__2PRFIN20050124_111940_000001512034_00094_15178_8645.N1 | 24-JAN-2005 11:19:40 | Twilight | 150.50 | 3 | 16Alp Boo | -0.050000 | 4250.0 | 301 | 15178 | No |
| 252 | GOM_NL__2PRFIN20050124_112705_000000512034_00094_15178_8646.N1 | 24-JAN-2005 11:27:05 | Twilight | 50.500 | 16 | 21Alp Sco | 1.0200 | 3000.0 | 101 | 15178 | No |
| 253 | GOM_NL__2PRFIN20050124_112831_000000452034_00094_15178_8647.N1 | 24-JAN-2005 11:28:31 | Dark | 44.500 | 75 | 26Eps Sco | 2.2910 | 4250.0 | 89 | 15178 | No |
| 254 | GOM_NL__2PRFIN20050124_112958_000000412034_00094_15178_8648.N1 | 24-JAN-2005 11:29:58 | Dark | 40.500 | 40 | The Sco | 1.8590 | 7100.0 | 81 | 15178 | No |
| 255 | GOM_NL__2PRFIN20050124_113152_000000392034_00094_15178_8649.N1 | 24-JAN-2005 11:31:52 | Dark | 38.500 | 147 | Alp Ara | 2.8770 | 26000. | 77 | 15178 | No |
| 256 | GOM_NL__2PRFIN20050124_113441_000000442034_00094_15178_8650.N1 | 24-JAN-2005 11:34:41 | Dark | 44.000 | 109 | Bet Lup | 2.6770 | 26000. | 88 | 15178 | No |
| 257 | GOM_NL__2PRFIN20050124_131850_000000422034_00096_15180_8614.N1 | 24-JAN-2005 13:18:50 | Dark | 42.000 | 4 | Alp1Cen | -0.010000 | 5800.0 | 84 | 15180 | No |
| 258 | GOM_NL__2PRFIN20050124_132323_000000452034_00096_15180_8615.N1 | 24-JAN-2005 13:23:23 | Dark | 45.000 | 12 | Alp1Cru | 0.77500 | 30000. | 90 | 15180 | No |
| 259 | GOM_NL__2PRFIN20050124_132457_000000482034_00096_15180_8616.N1 | 24-JAN-2005 13:24:57 | Dark | 47.500 | 99 | Del Cen | 2.5750 | 26000. | 95 | 15180 | No |
| 260 | GOM_NL__2PRFIN20050124_132725_000000392034_00096_15180_8617.N1 | 24-JAN-2005 13:27:25 | Dark | 39.000 | 29 | Bet Car | 1.6720 | 10200. | 78 | 15180 | No |
| 261 | GOM_NL__2PRFIN20050124_132937_000000412034_00096_15180_8618.N1 | 24-JAN-2005 13:29:37 | Dark | 40.500 | 71 | lot Car | 2.2460 | 7700.0 | 81 | 15180 | No |
| 262 | GOM_NL__2PRFIN20050124_133125_000000402034_00096_15180_8619.N1 | 24-JAN-2005 13:31:25 | Dark | 39.500 | 46 | Del Vel | 1.9540 | 10600. | 79 | 15180 | No |
| 263 | GOM_NL__2PRFIN20050124_133352_000000462034_00096_15180_8620.N1 | 24-JAN-2005 13:33:52 | Dark | 46.000 | 2 | Alp Car | -0.73600 | 7000.0 | 92 | 15180 | No |
| 264 | GOM_NL__2PRFIN20050124_133607_000000412034_00096_15180_8621.N1 | 24-JAN-2005 13:36:07 | Straylight | 41.000 | 70 | Zet Pup | 2.2460 | 39000. | 82 | 15180 | No |
| 265 | GOM_NL__2PRFIN20050124_133736_000000482034_00096_15180_8622.N1 | 24-JAN-2005 13:37:36 | Straylight | 47.500 | 117 | Pi Pup | 2.7060 | 3800.0 | 95 | 15180 | No |
| 266 | GOM_NL__2PRFIN20050124_133942_000000432034_00096_15180_8623.N1 | 24-JAN-2005 13:39:42 | Straylight | 43.000 | 88 | 31Eta CMa | 2.4480 | 20000. | 86 | 15180 | No |
| 267 | GOM_NL__2PRFIN20050124_134128_000000402034_00096_15180_8624.N1 | 24-JAN-2005 13:41:28 | Straylight | 39.500 | 179 | 24Omi2CMa | 3.0320 | 24000. | 79 | 15180 | No |
| 268 | GOM_NL__2PRFIN20050124_134338_000000482034_00096_15180_8625.N1 | 24-JAN-2005 13:43:38 | Straylight | 47.500 | 1 | 9Alp CMa | -1.4400 | 11000. | 95 | 15180 | No |
| 269 | GOM_NL__2PRFIN20050124_134613_000000382034_00096_15180_8626.N1 | 24-JAN-2005 13:46:13 | Twilight | 37.500 | 56 | 53Kap Ori | 2.0650 | 30000. | 75 | 15180 | No |

3. Quality information per product

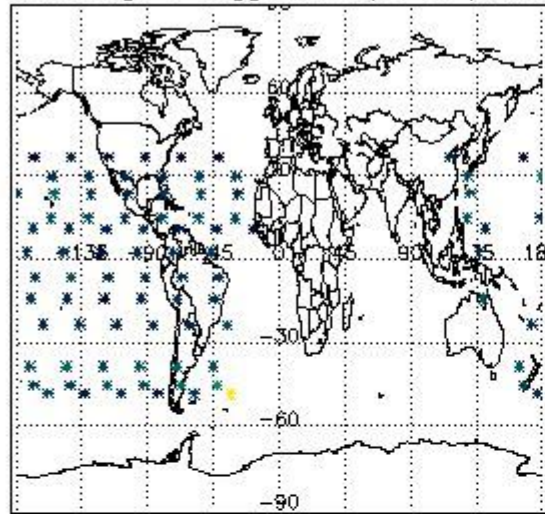
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

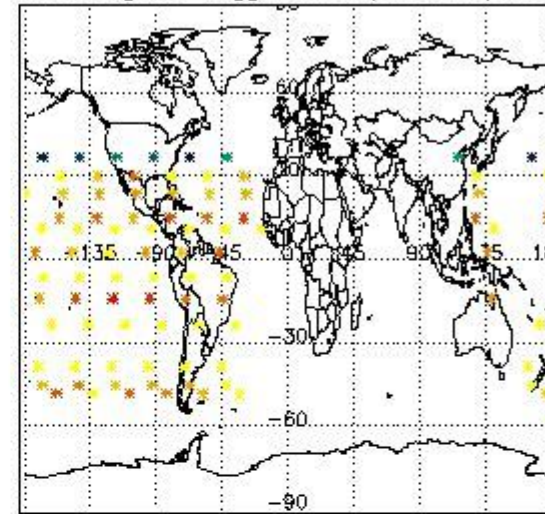


3.2 Plot quality information per product (world map)

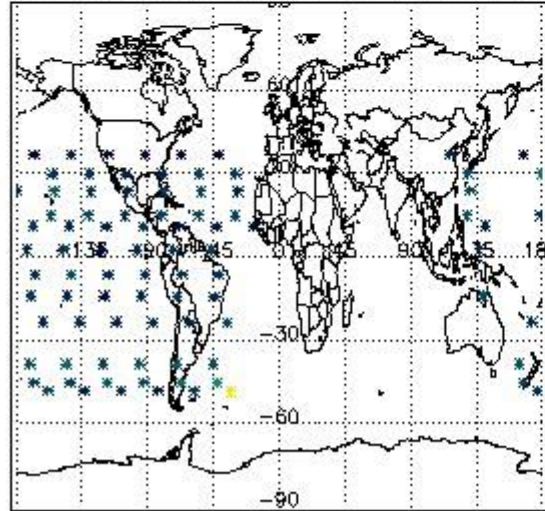
Percentage of flagged data per O3 profile



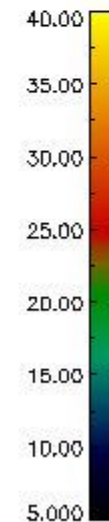
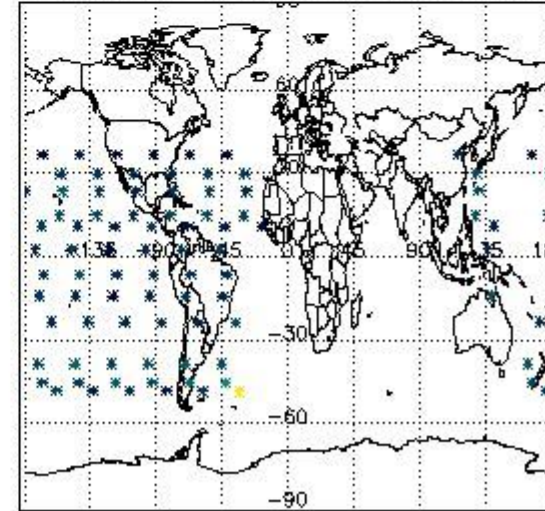
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

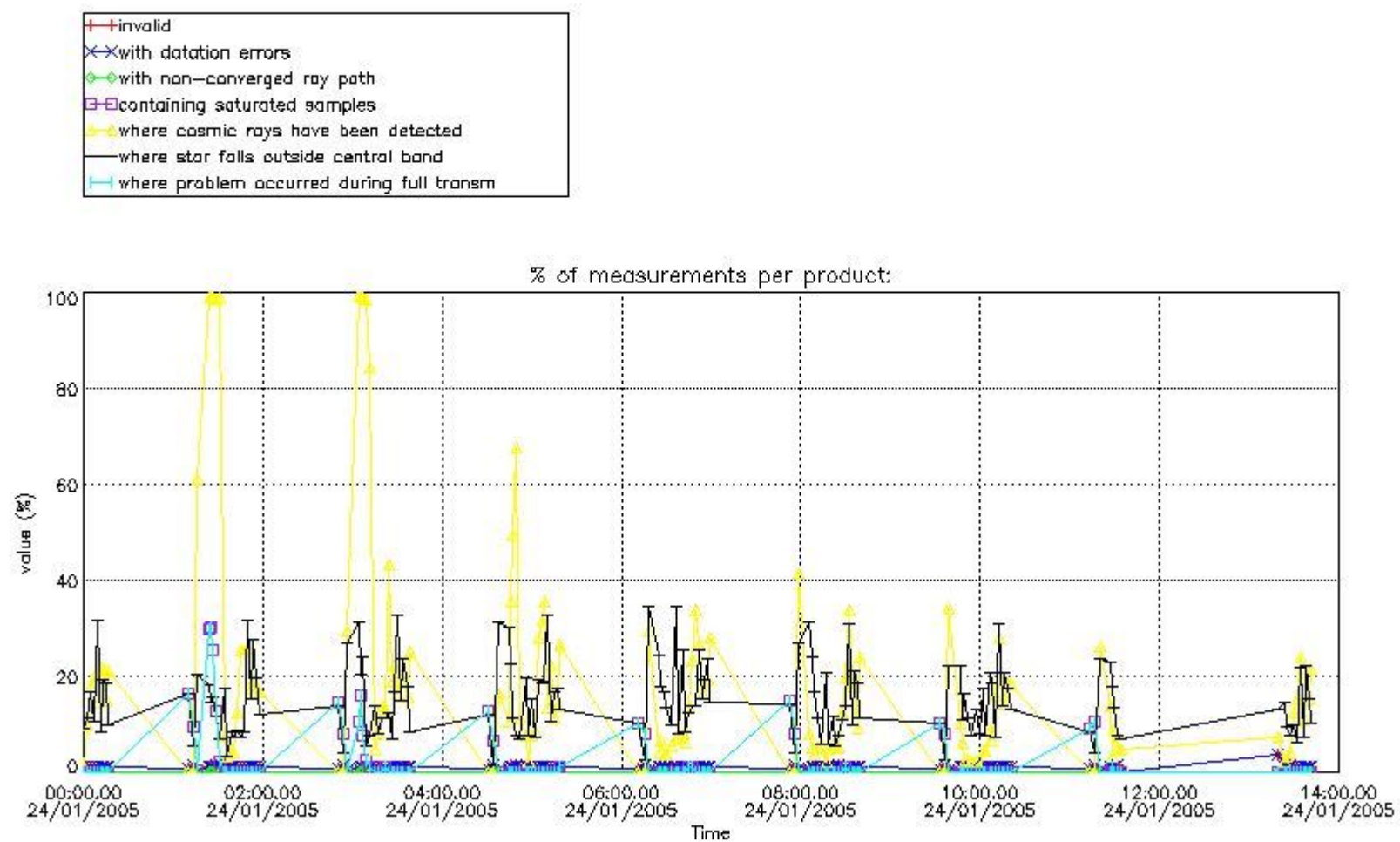


4. Level 1 quality information per product

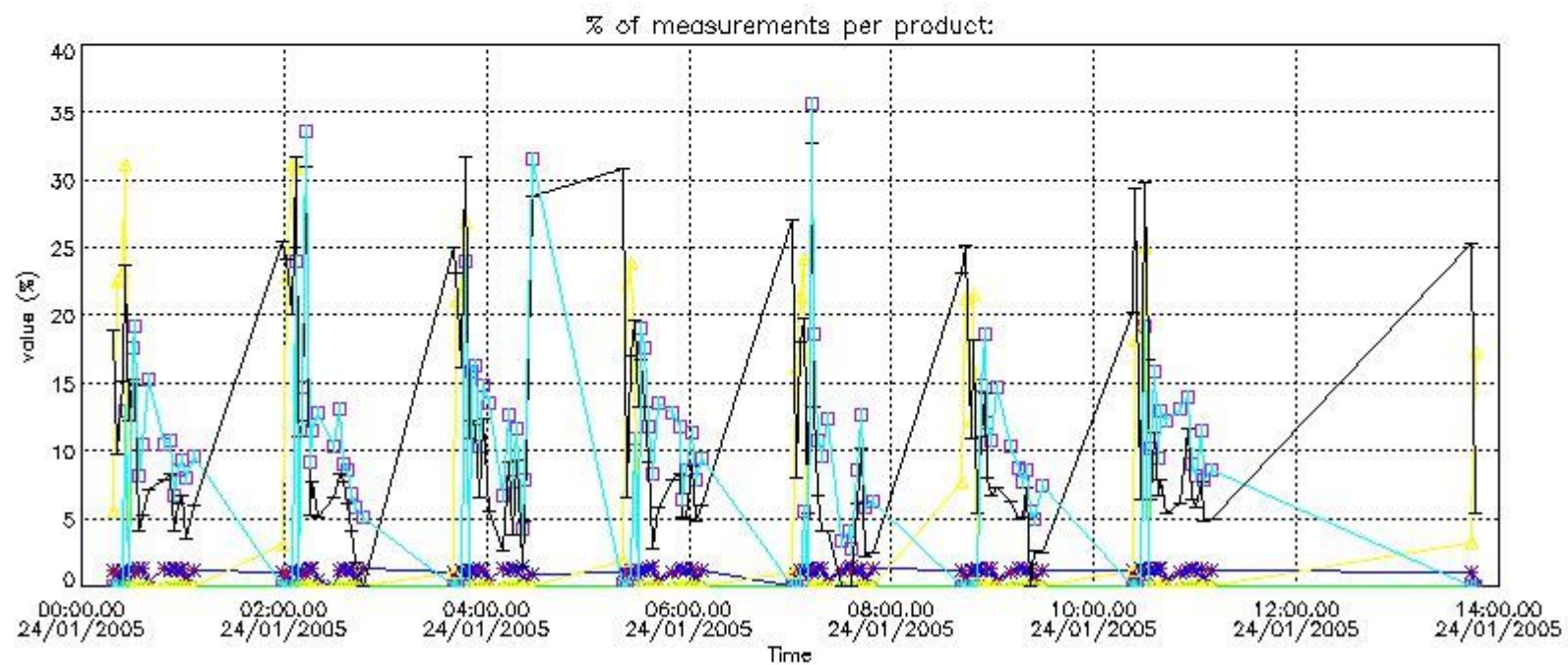
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

4.1 Plot quality information per product (time dependant) coming from level 1b processing

4.1.1 Plot level 1 quality information per product (time dependant): ENVISAT ASCENDING passes

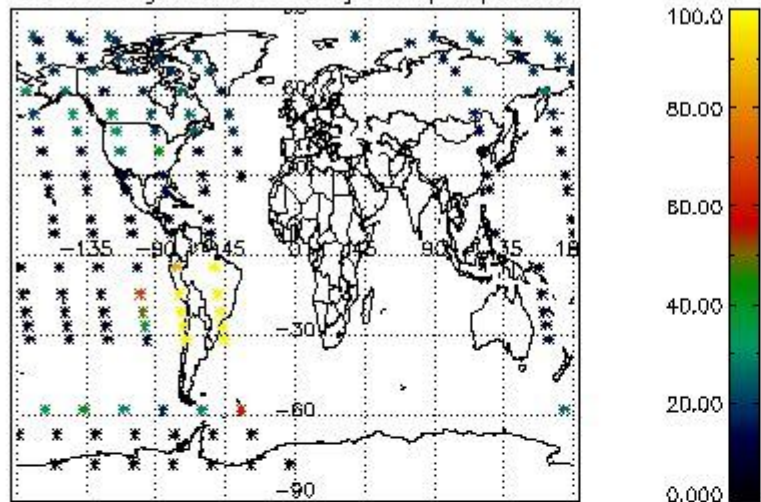


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

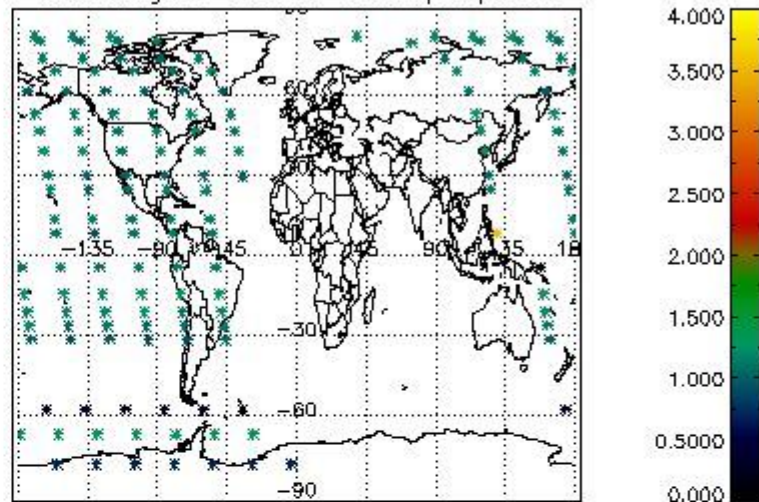


4.2 Plot quality information per product coming from level 1b processing (world map)
 4.2.1 Plot level 1 quality information per product (world map): ENVI SAT ASCENDING passes

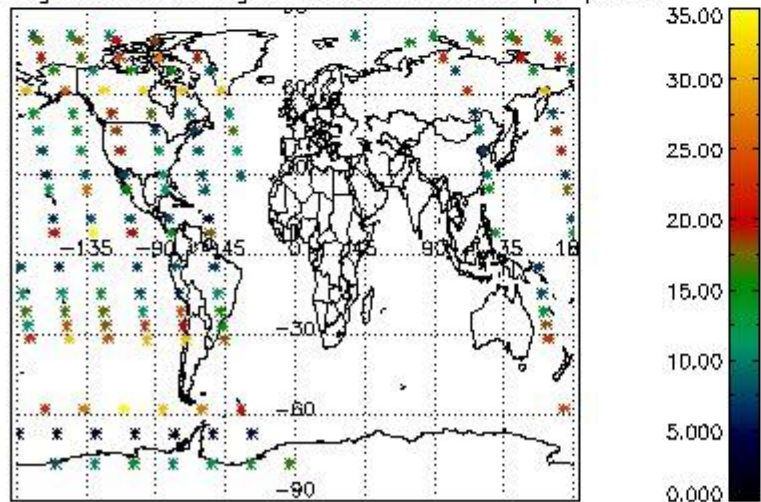
Percentage of cosmic ray hits per profile



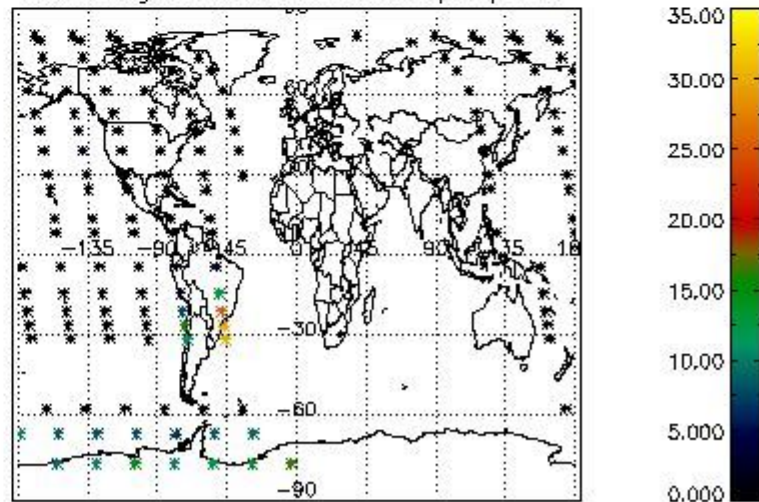
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

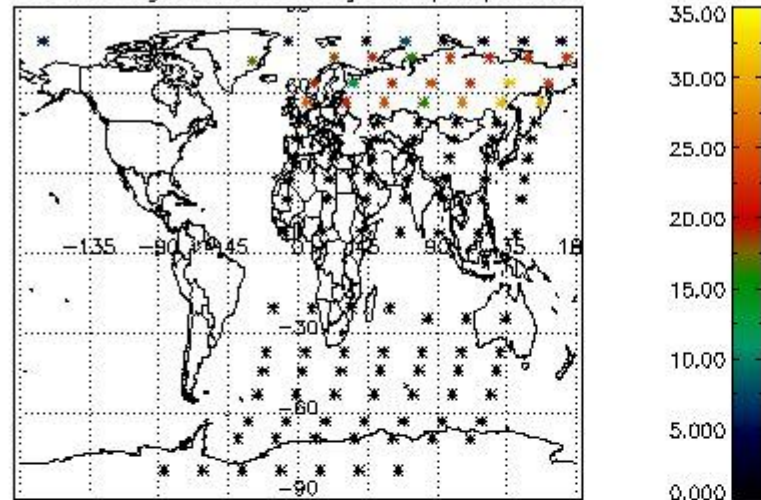


Percentage of saturation errors per profile

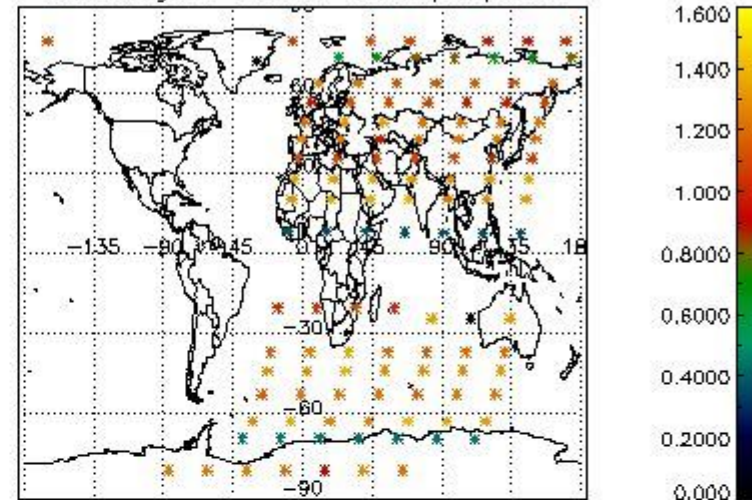


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

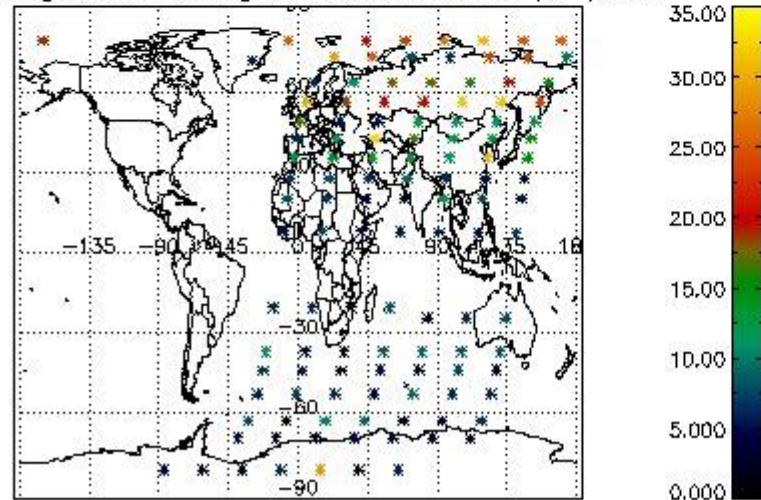
Percentage of cosmic ray hits per profile



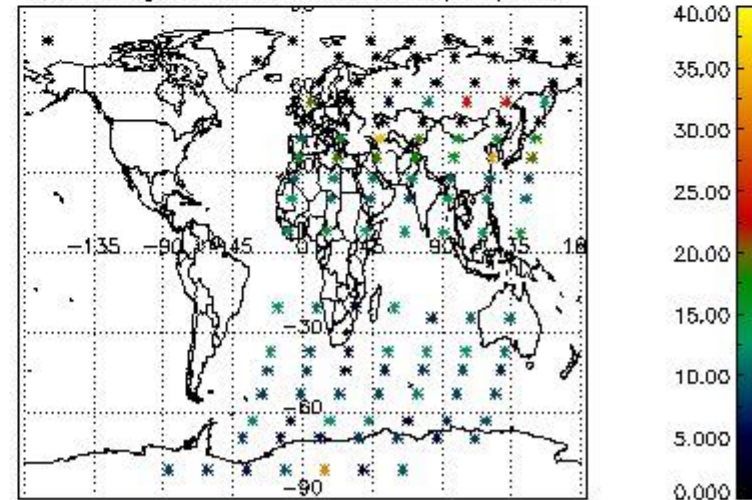
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/o3_std of the level 2 products. The table below shows the statistics for given STD ranges.

The statistics are given with respect to the overall valid production:

- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

The 'Criteria' is applied to valid points of dark limb products:

- Products in dark limb illumination condition: GOM_NL__2P/NL_SUMMARY_QUALITY/obs_ill_cond=0
- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

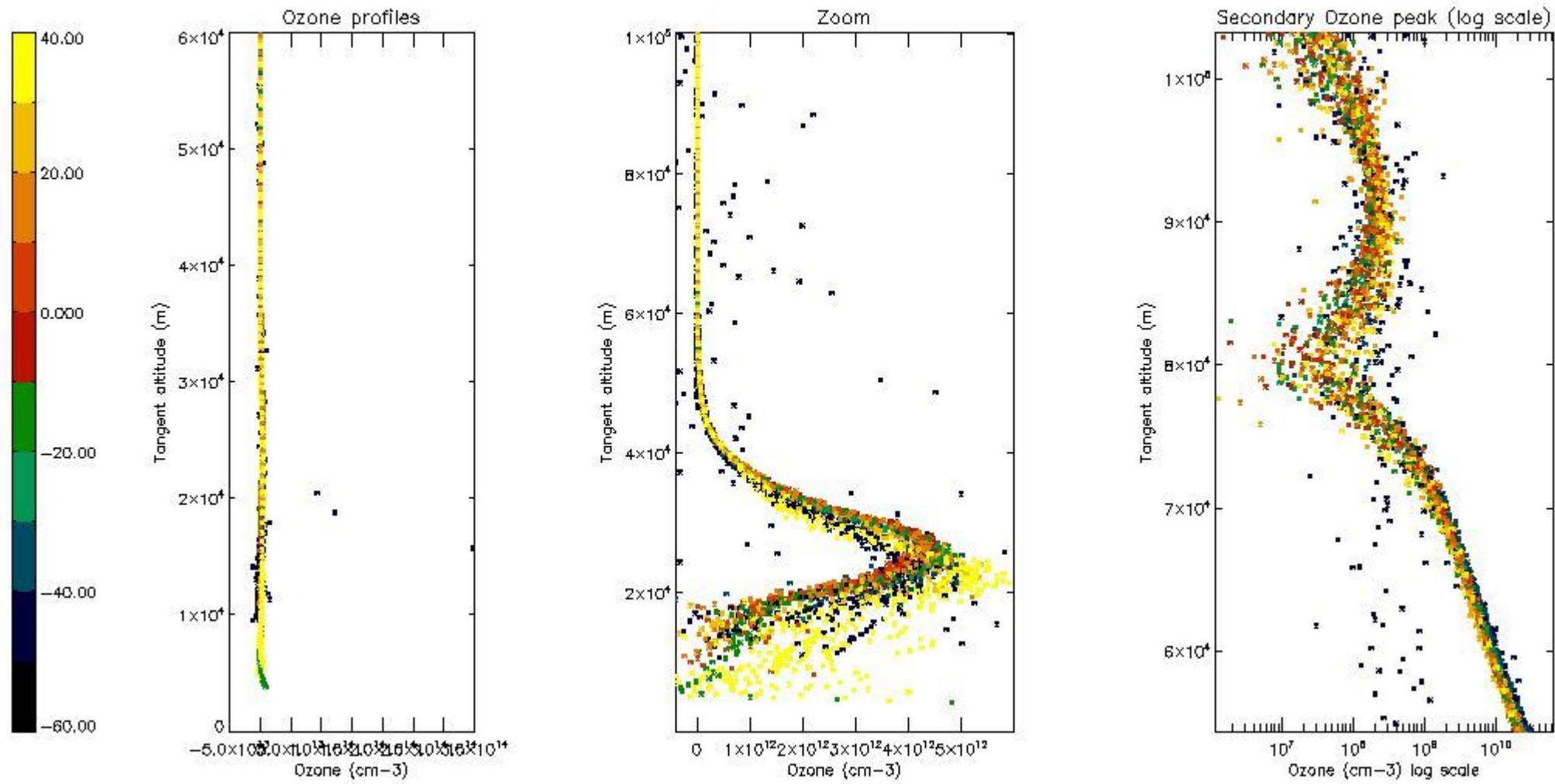
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

| Criteria | % of total production |
|----------|-----------------------|
| All STD | 28 |
| STD < 20 | 16 |

| | |
|----------|----|
| STD < 10 | 13 |
| STD < 5 | 9 |

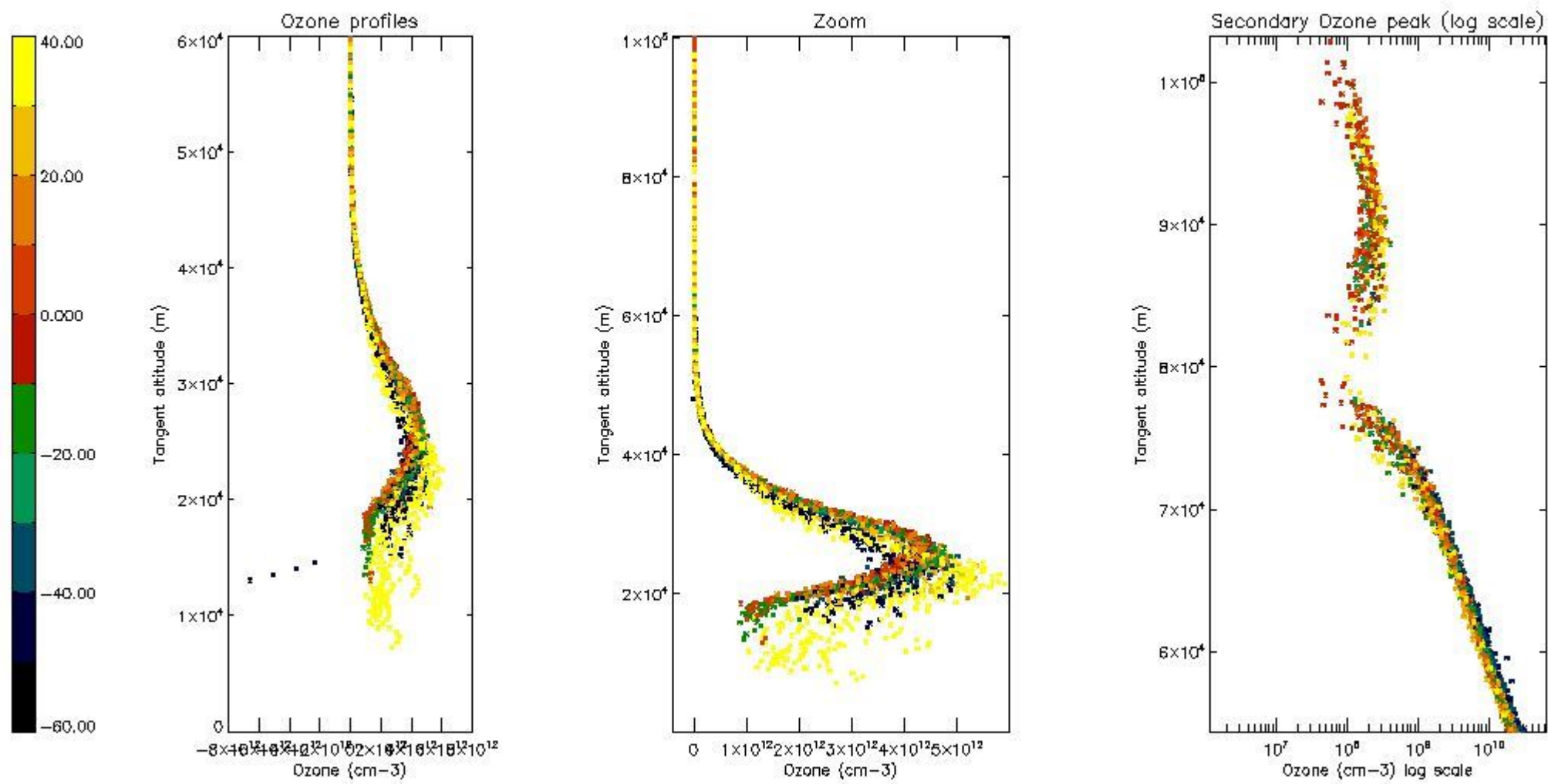
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



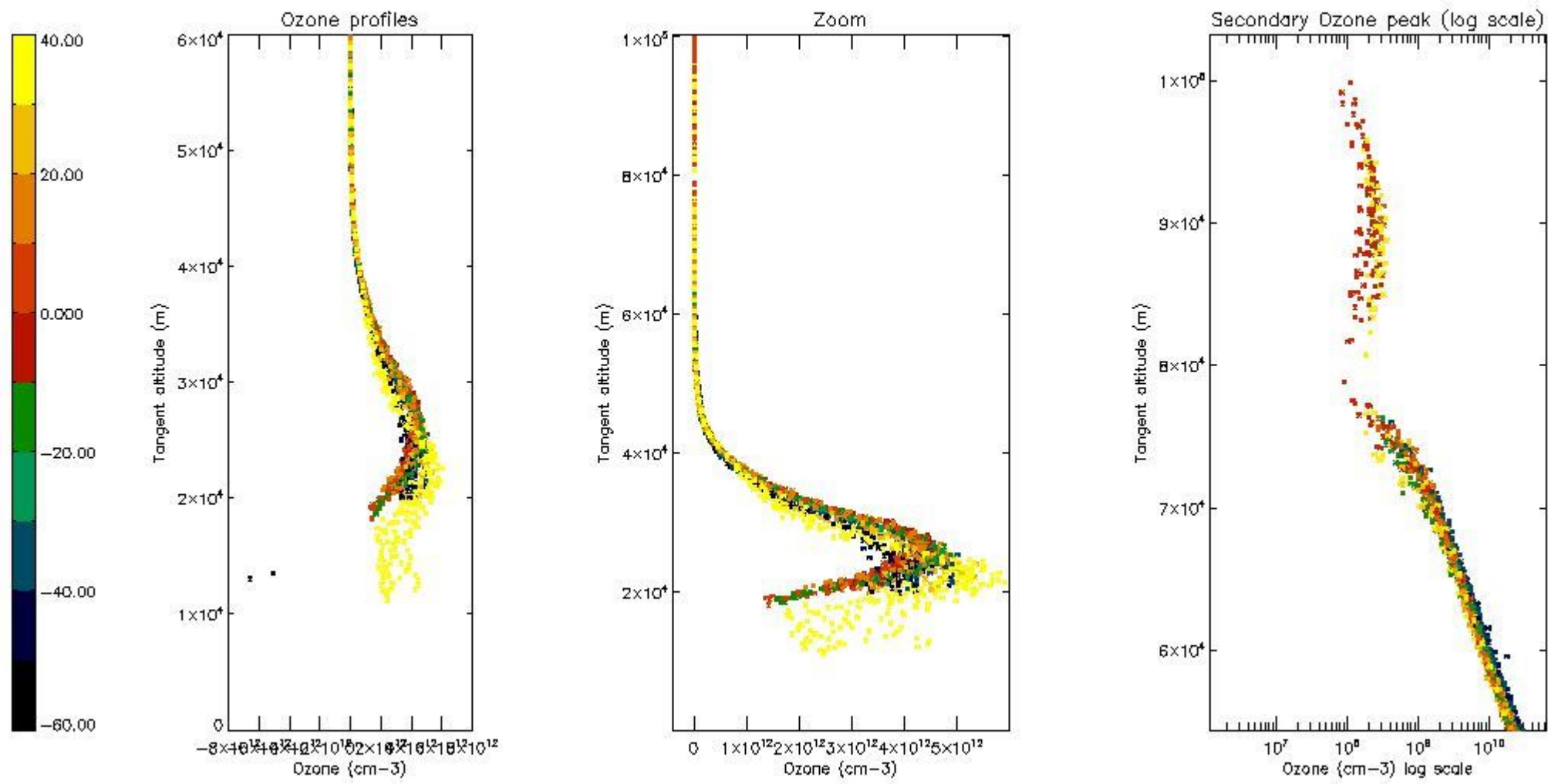
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



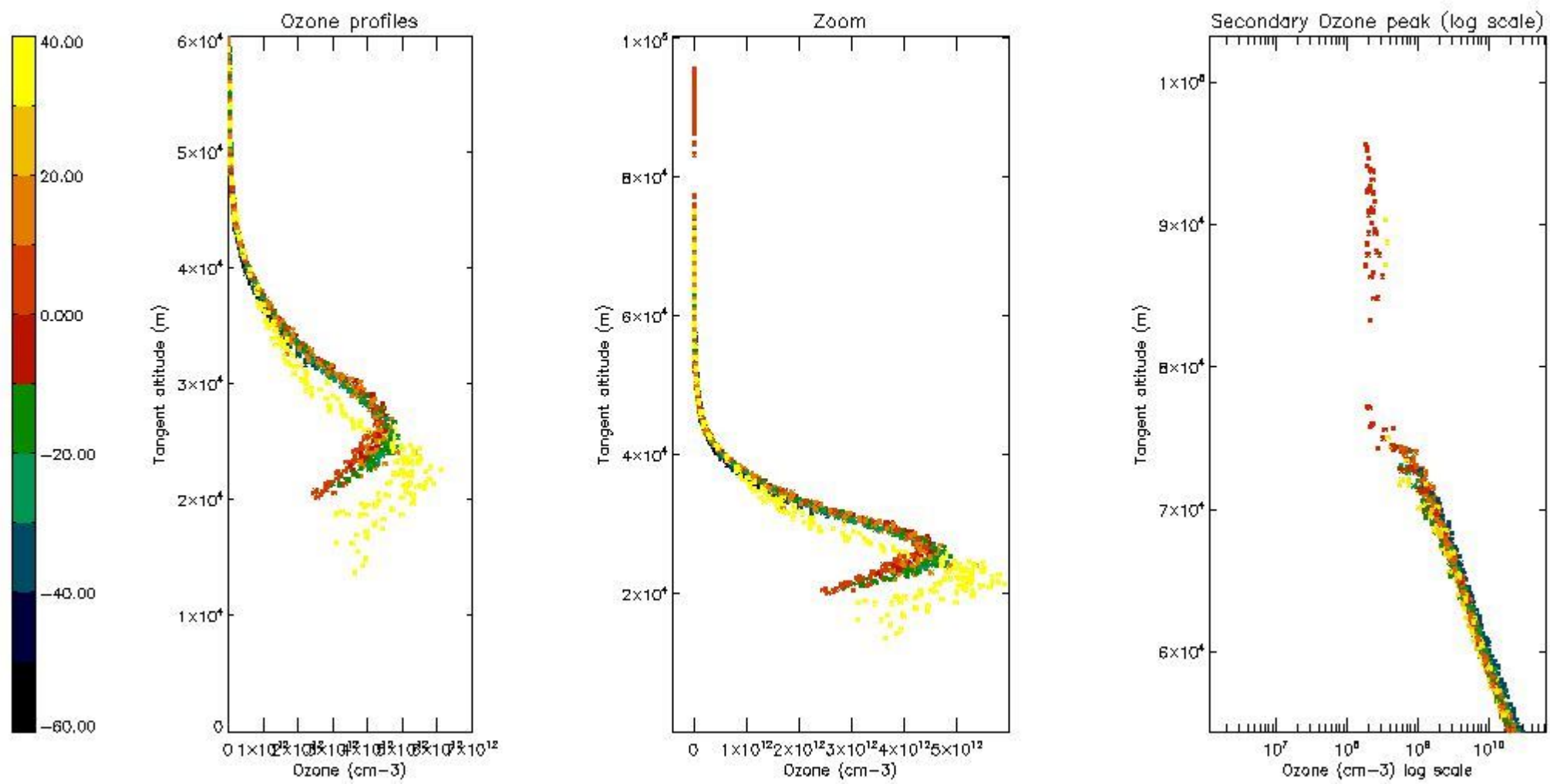
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



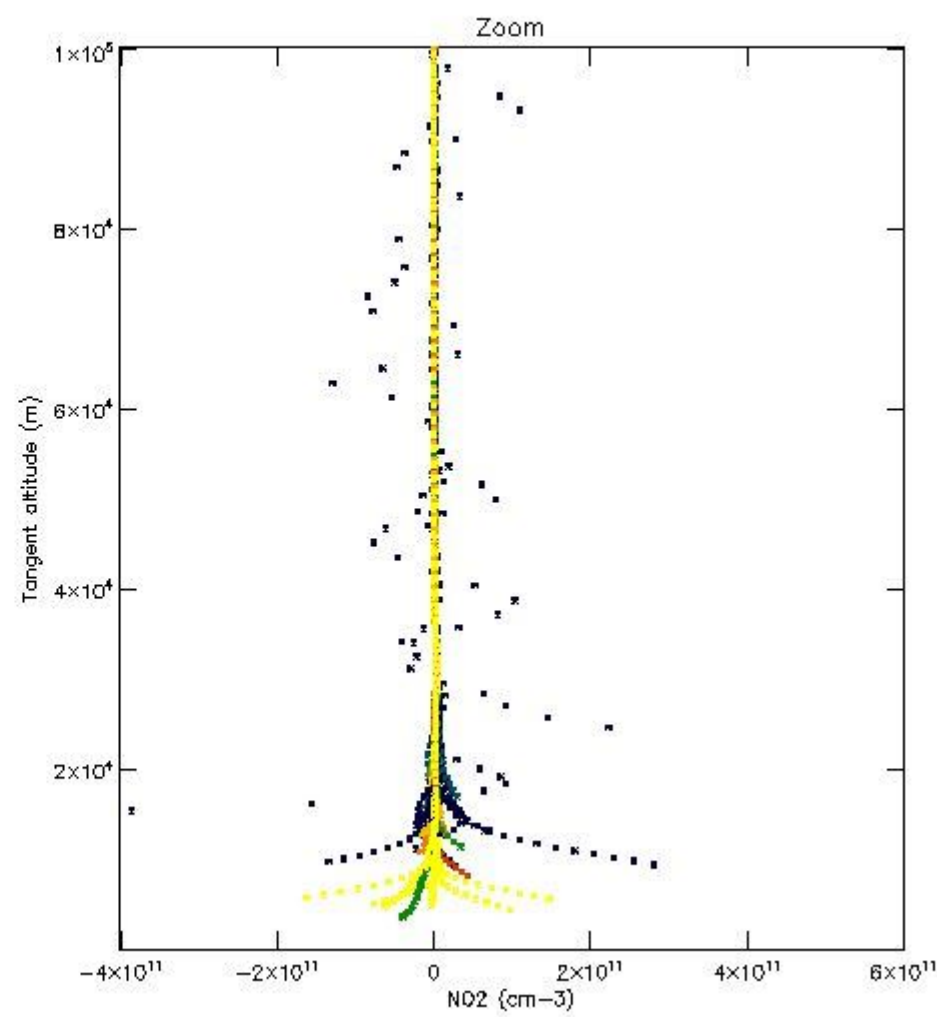
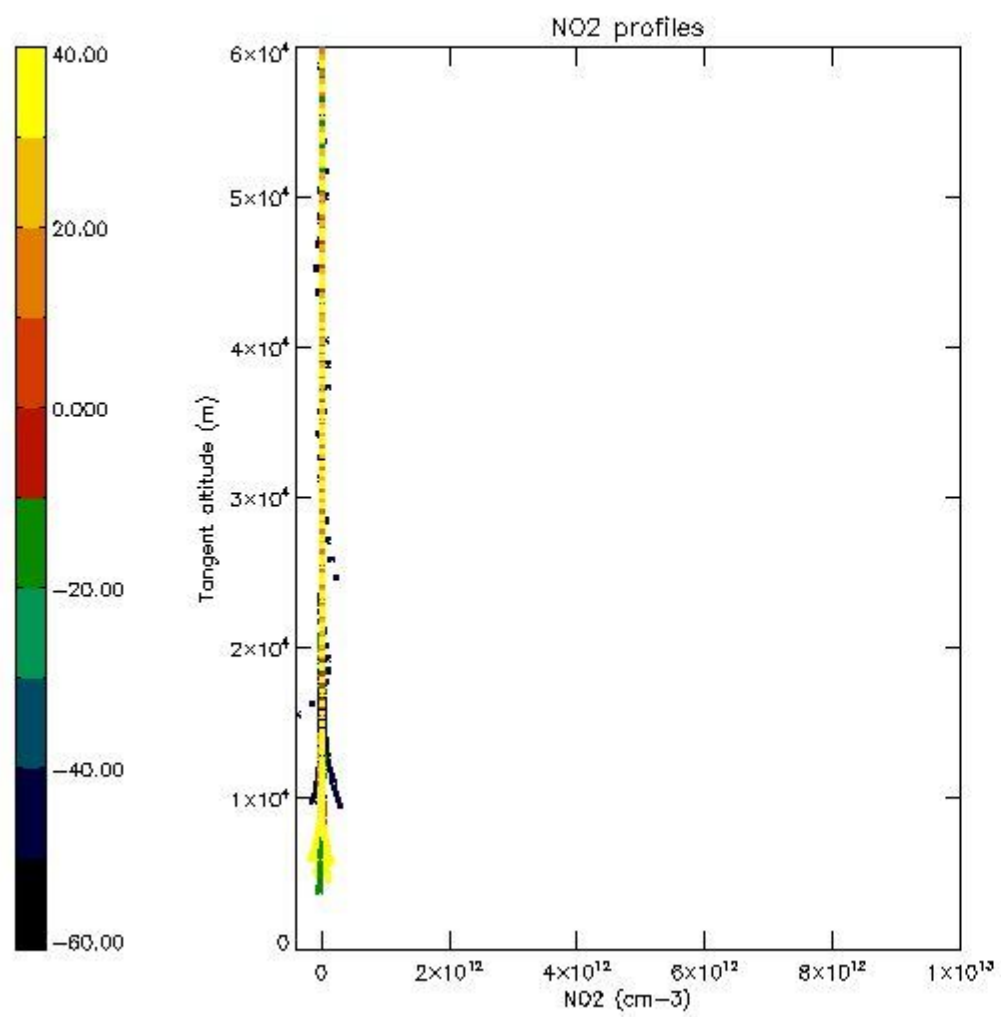
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



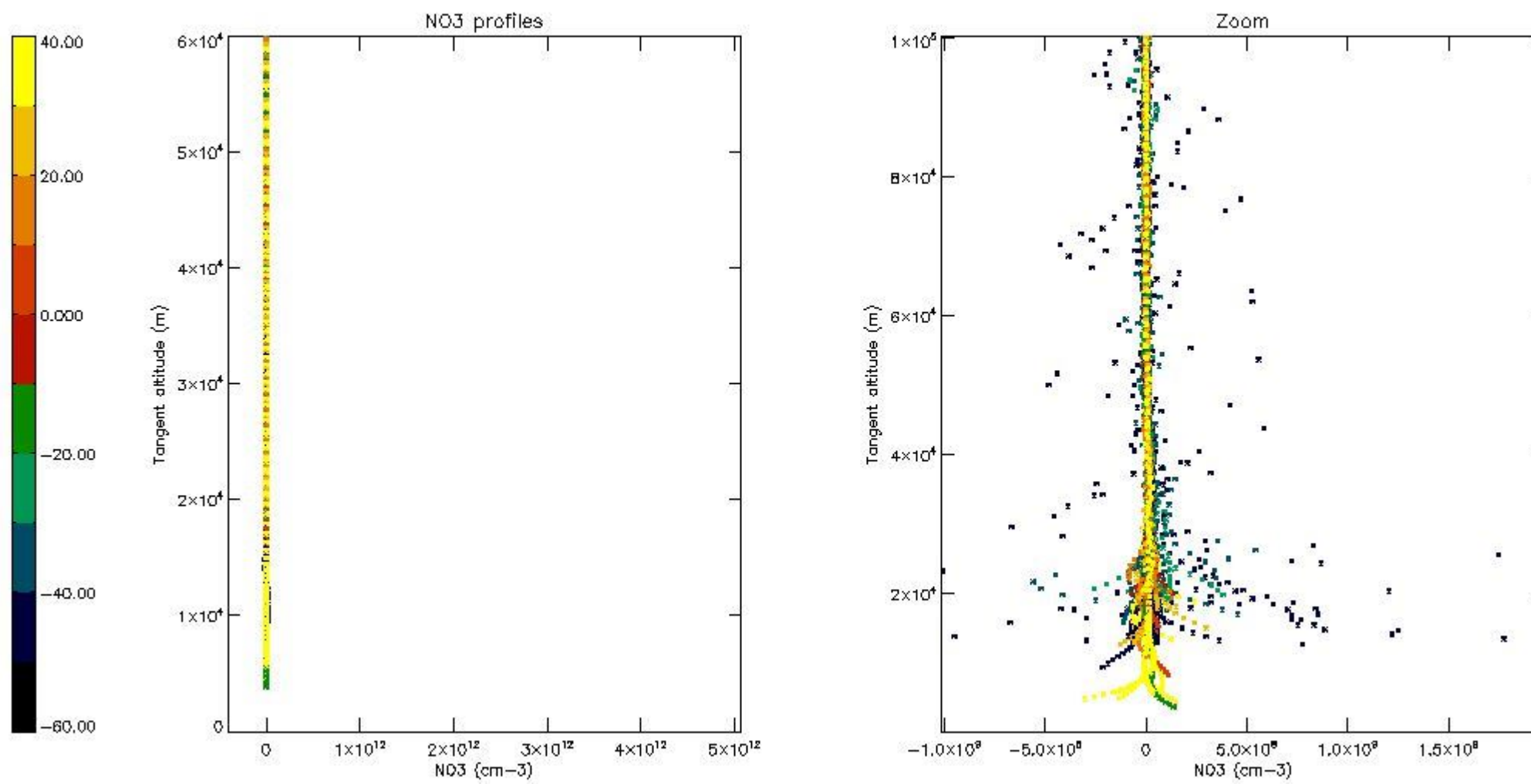
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



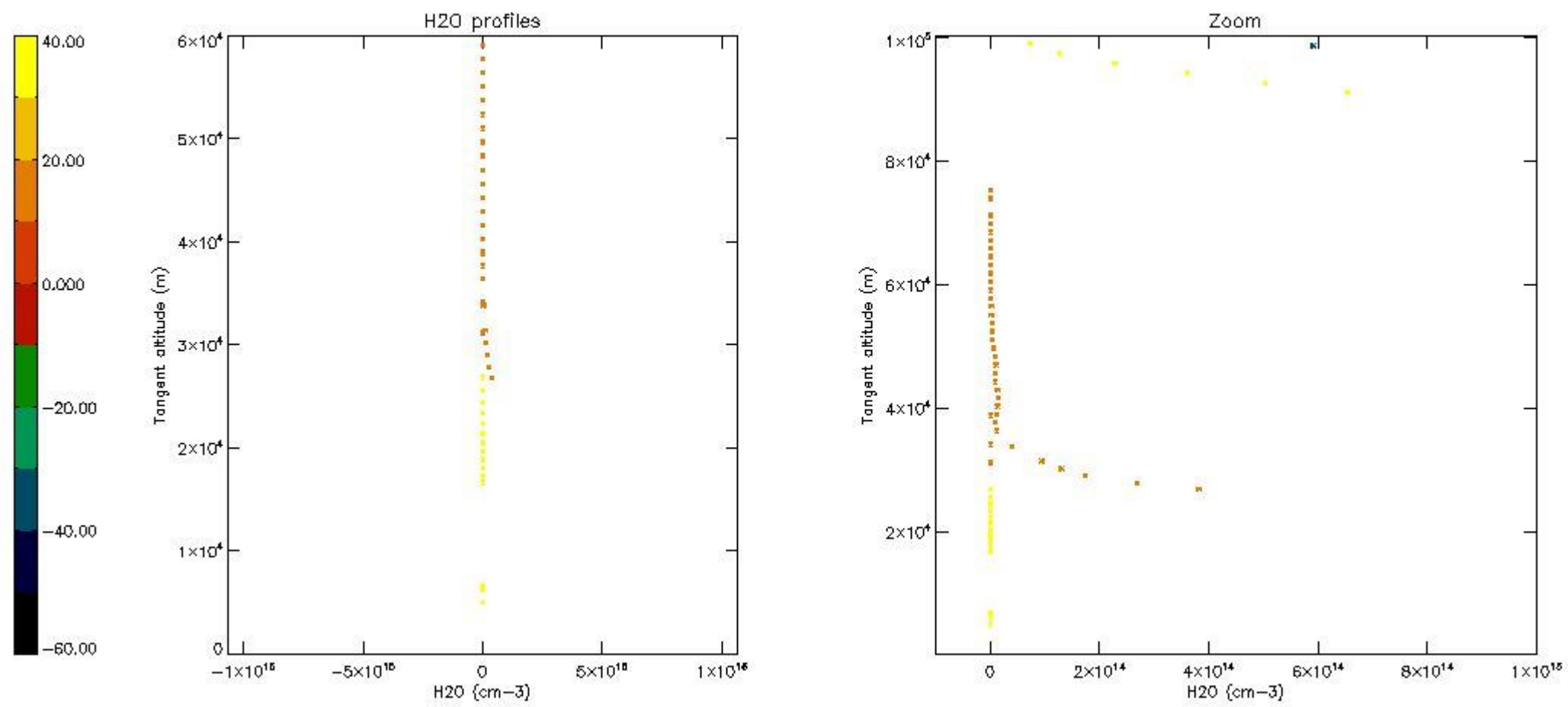
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



5.8 Plot H2O profiles for all STD (only for occultations of stars 1,2,3,4,13,14,16,26,63 dark without errors)

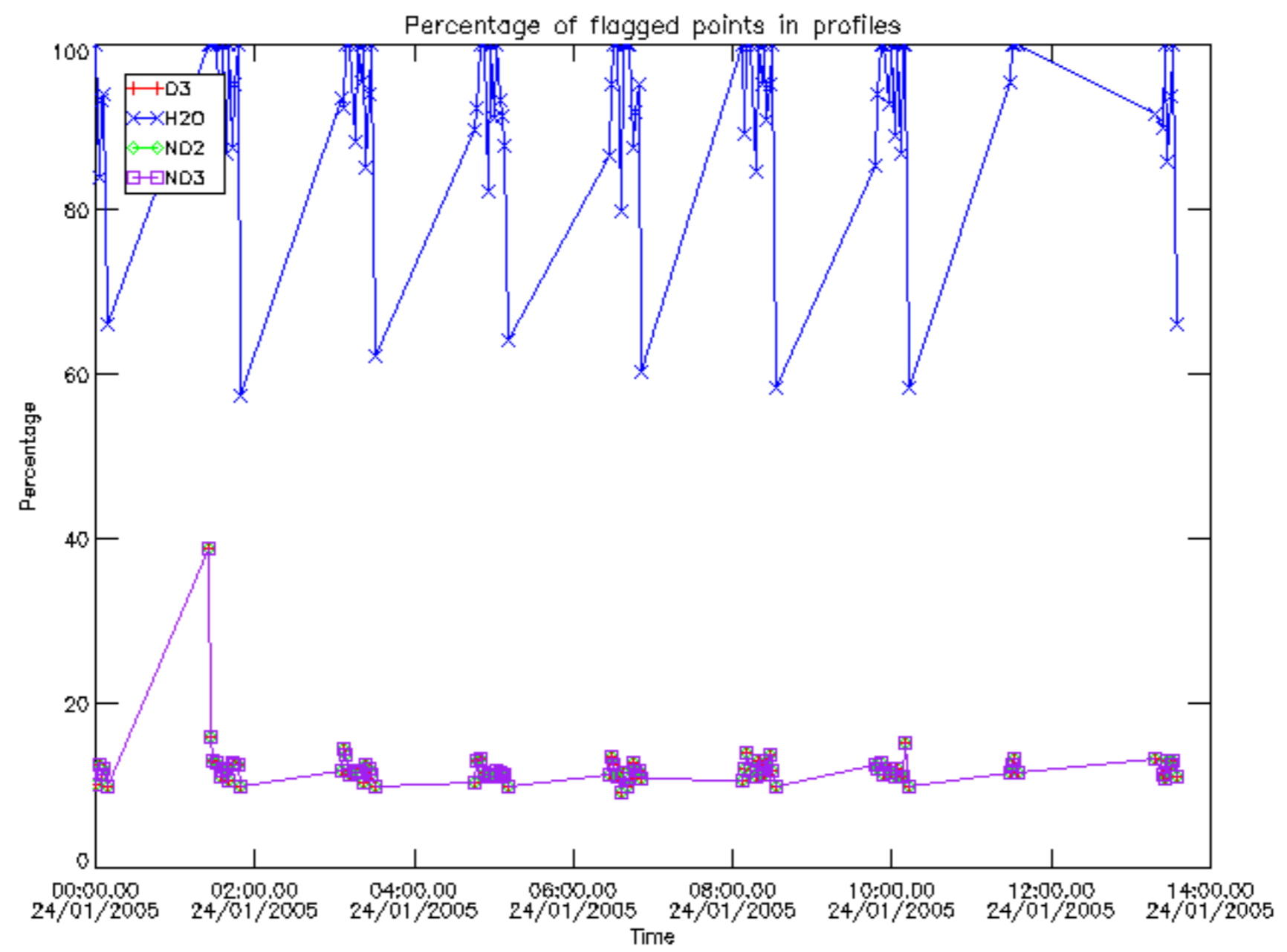
The colorbar represents the latitude.



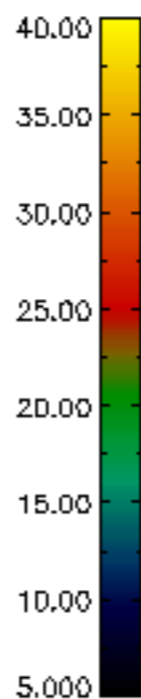
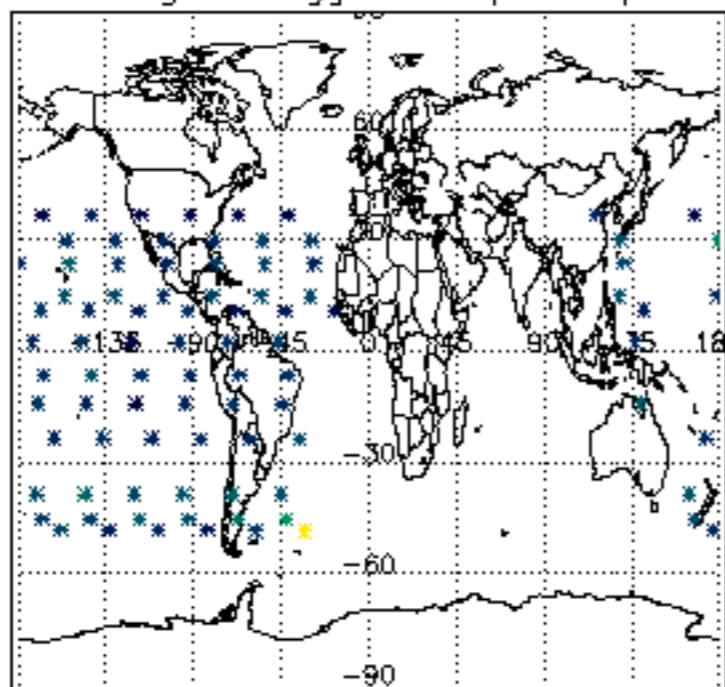
6. Auxiliary Data Files used for the production reported in section 2

The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

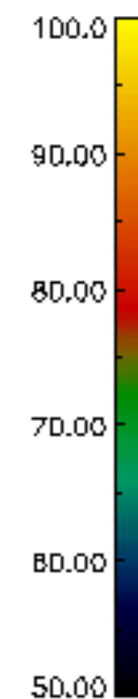
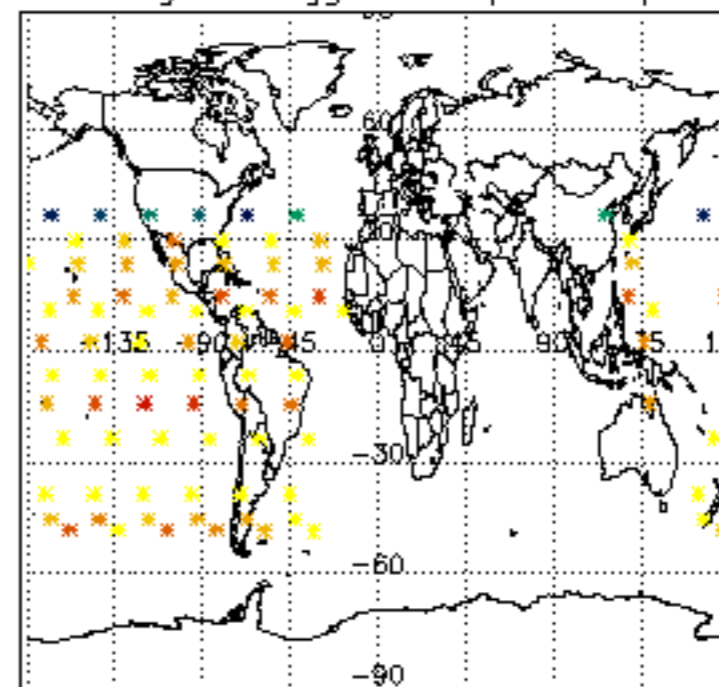
| Type | Auxiliary Filename | Used since product | Used since product date |
|---------------------------|---|--------------------|-------------------------|
| INST_PHYS_CHARACTERISTICS | GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000 | 1 | 24-JAN-2005 00:00:00 |
| LEVEL-2_PROC_CONFIG | GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000 | 1 | 24-JAN-2005 00:00:00 |
| CROSS_SECTIONS_FILE | GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000 | 1 | 24-JAN-2005 00:00:00 |



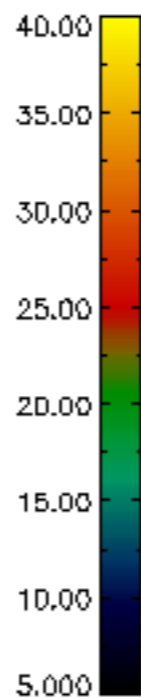
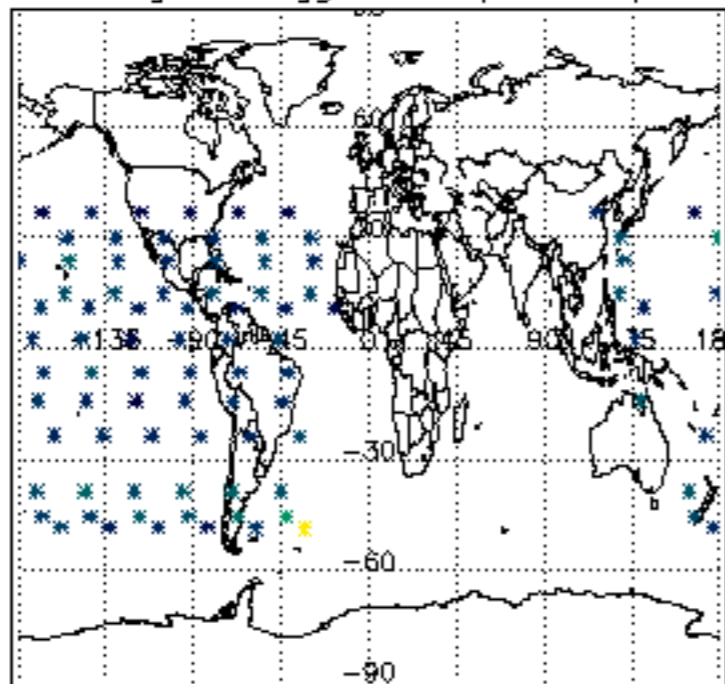
Percentage of flagged data per D3 profile



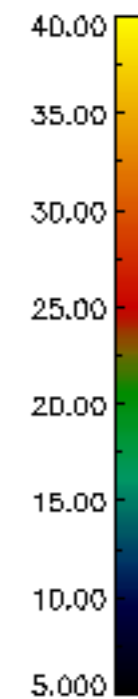
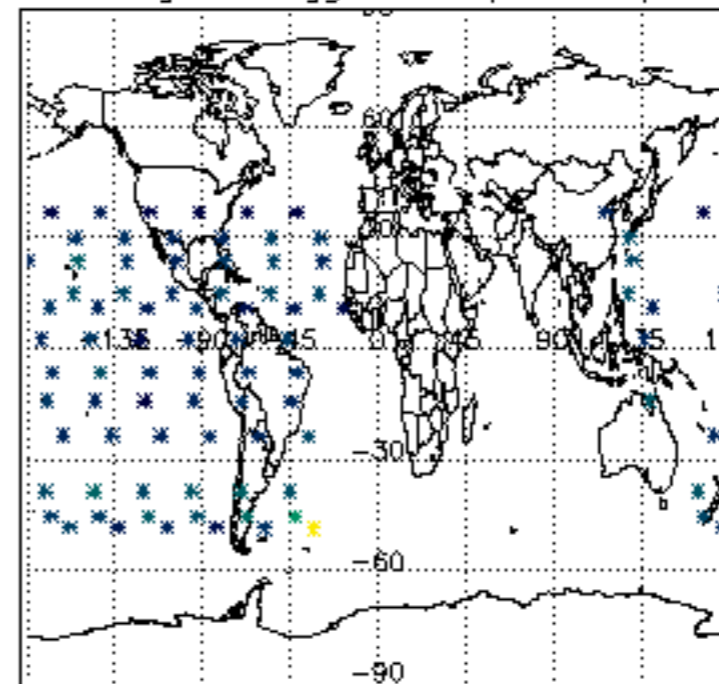
Percentage of flagged data per H2O profile

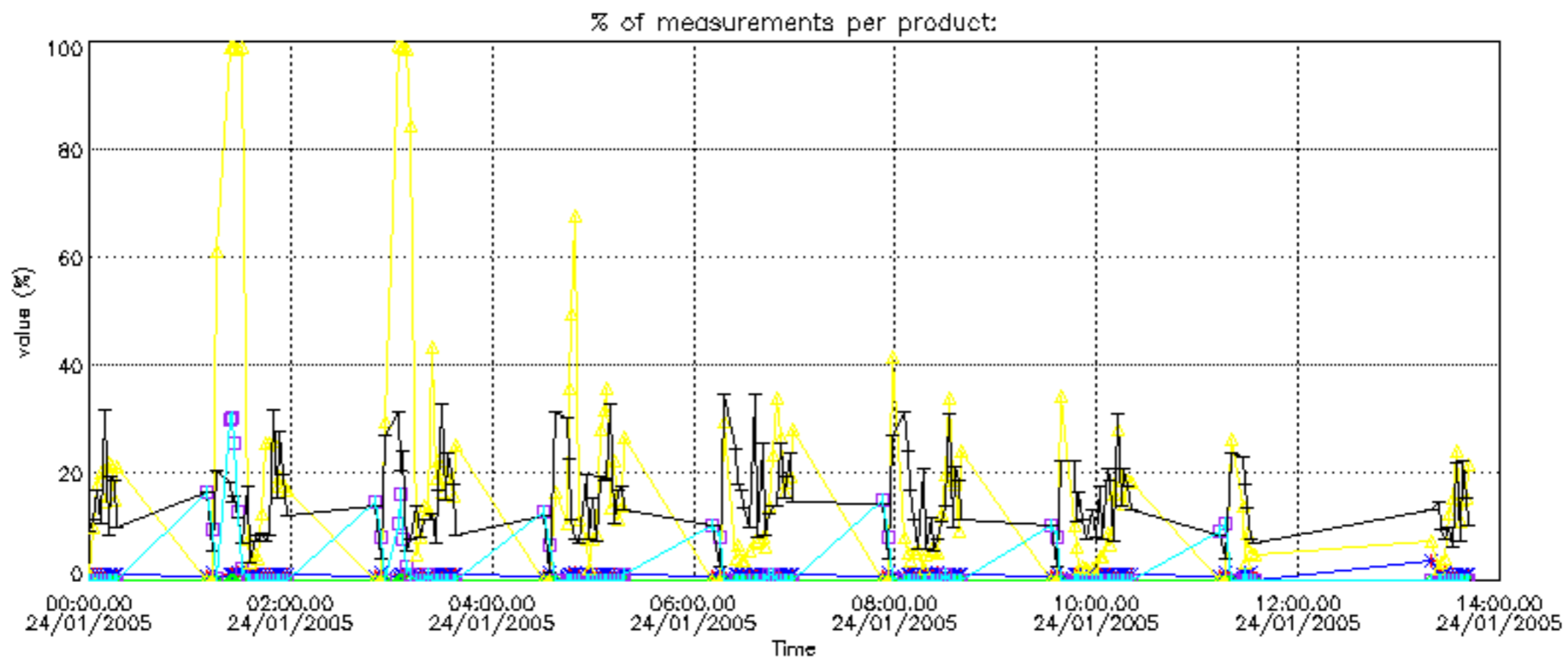


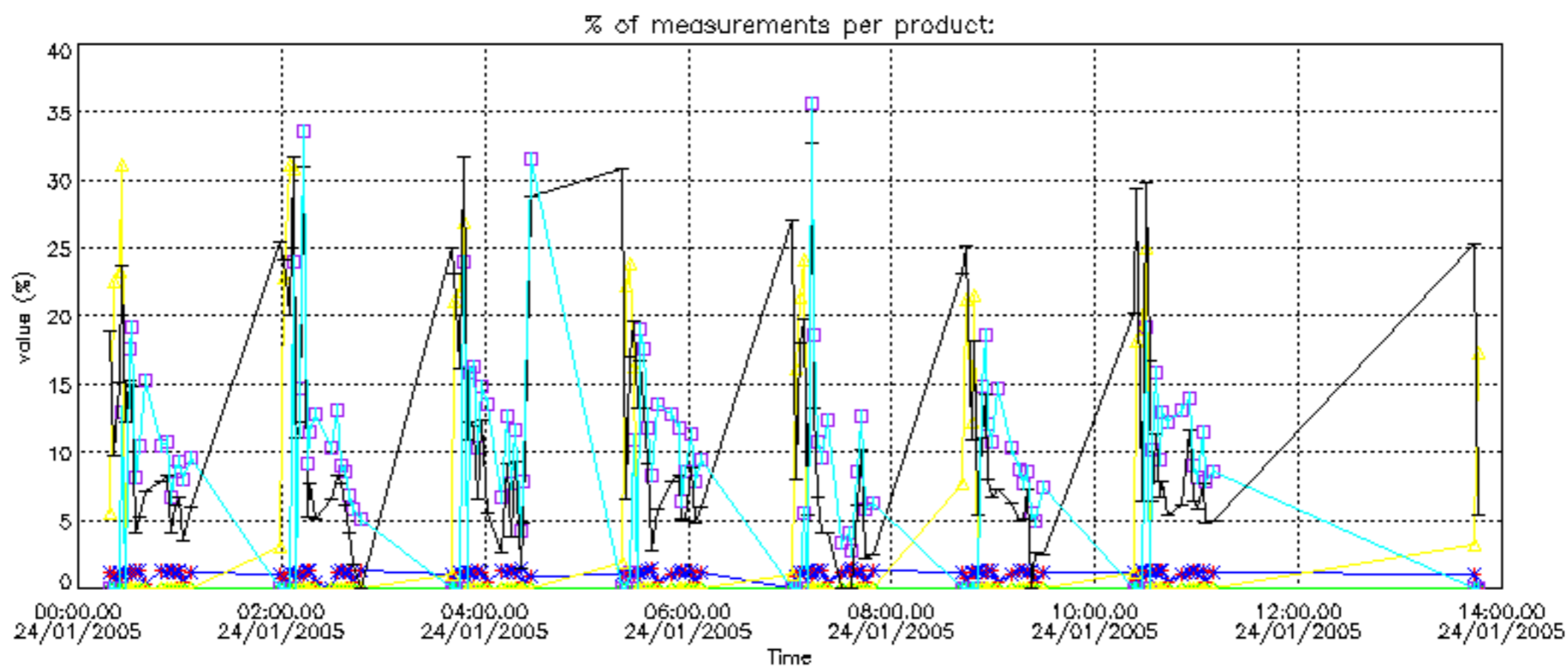
Percentage of flagged data per NO2 profile



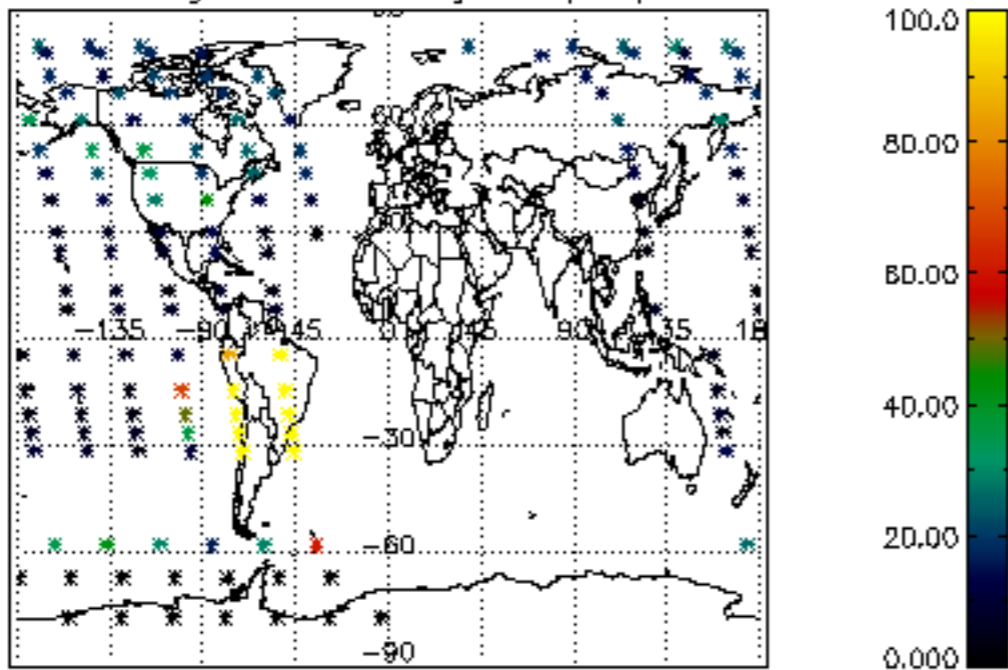
Percentage of flagged data per NO3 profile



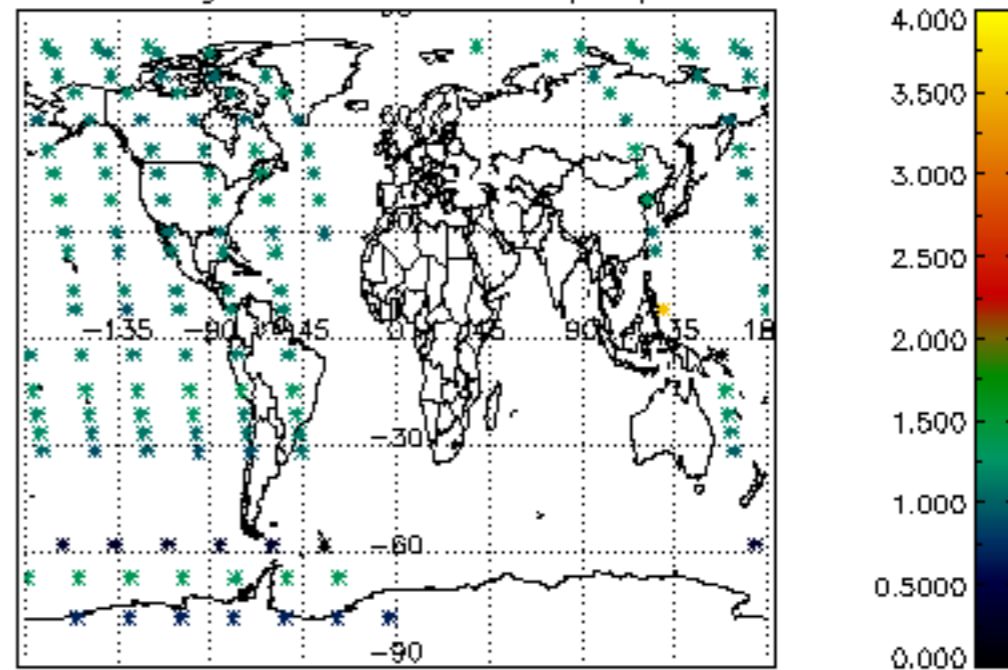




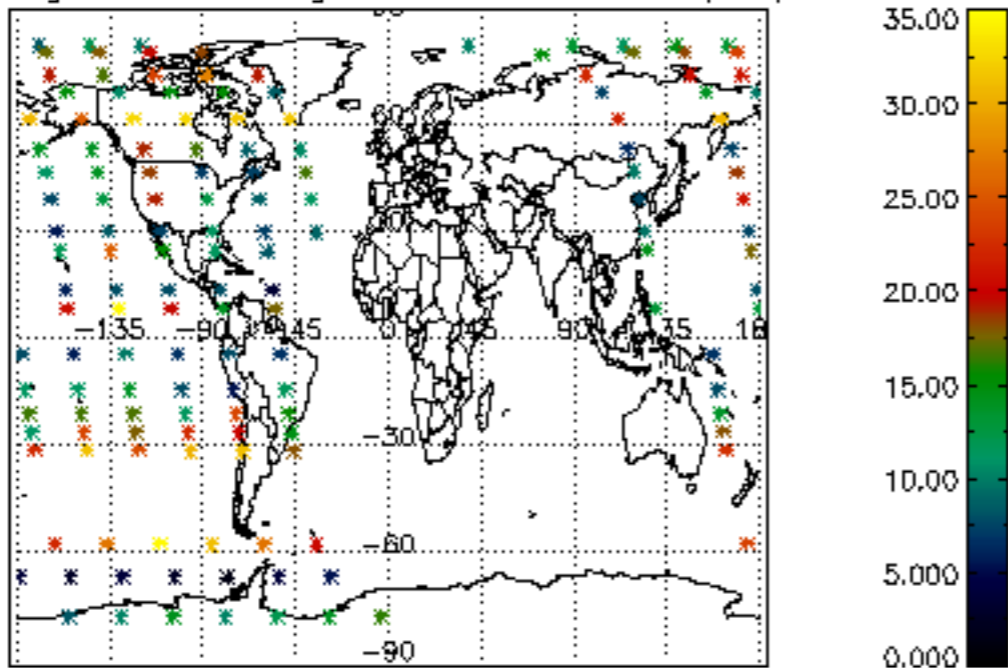
Percentage of cosmic ray hits per profile



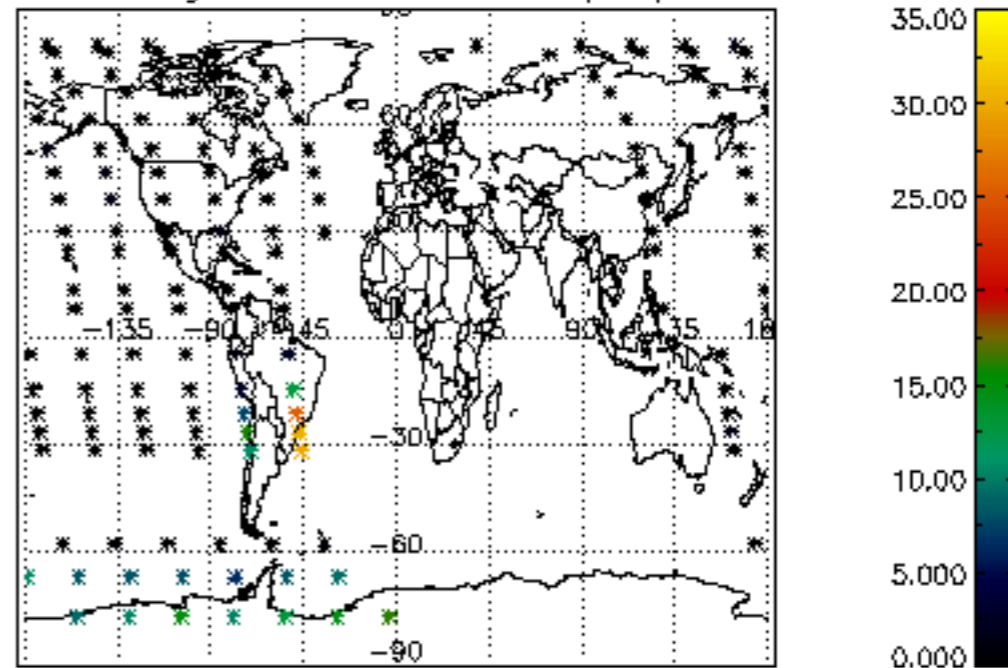
Percentage of datation errors per profile



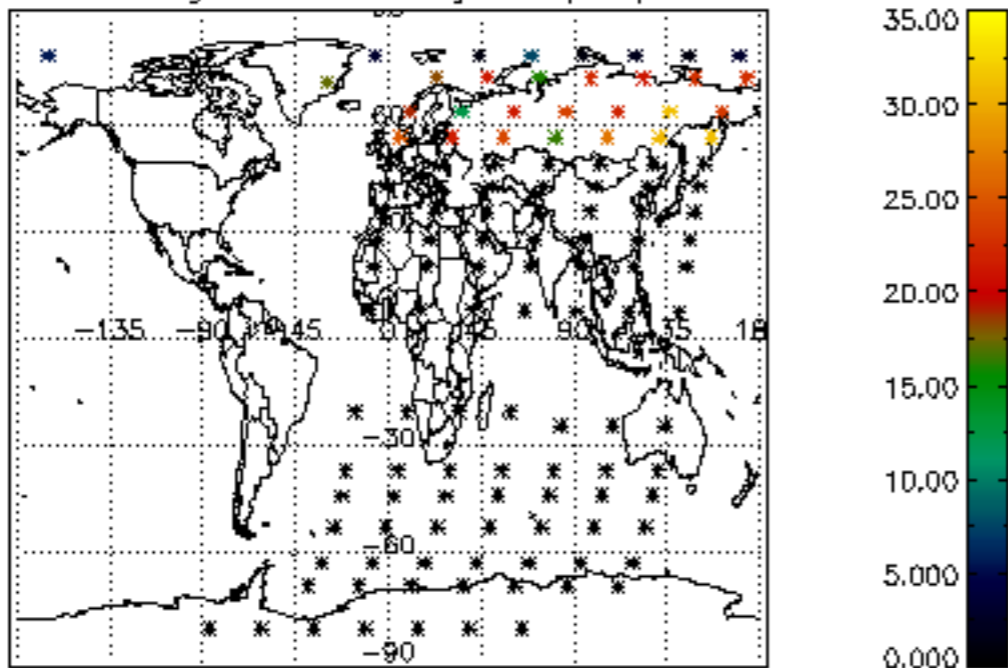
Percentage of star falling outside central band per profile



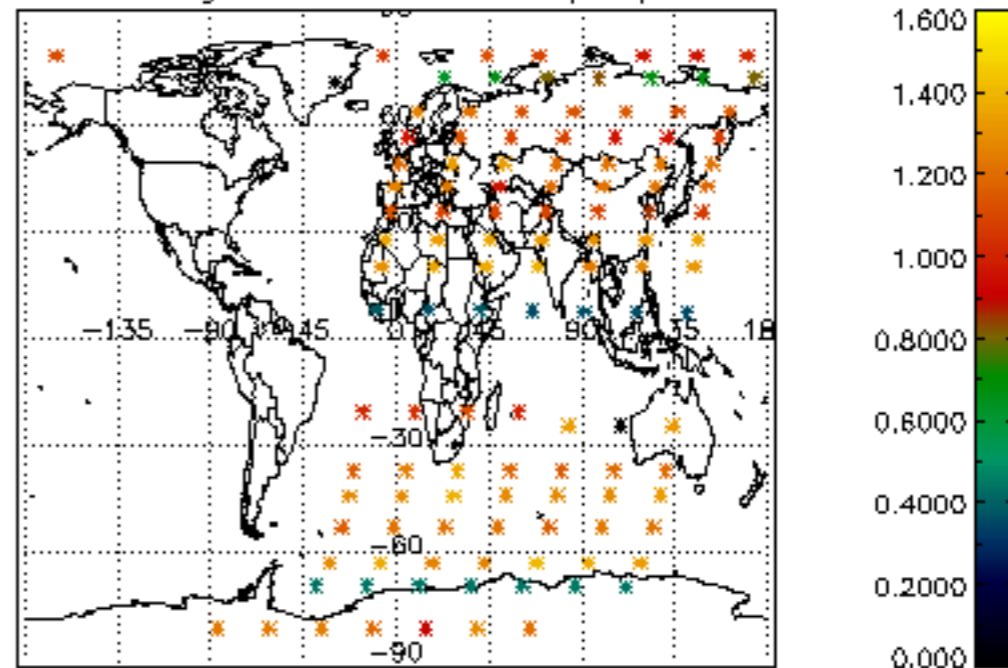
Percentage of saturation errors per profile



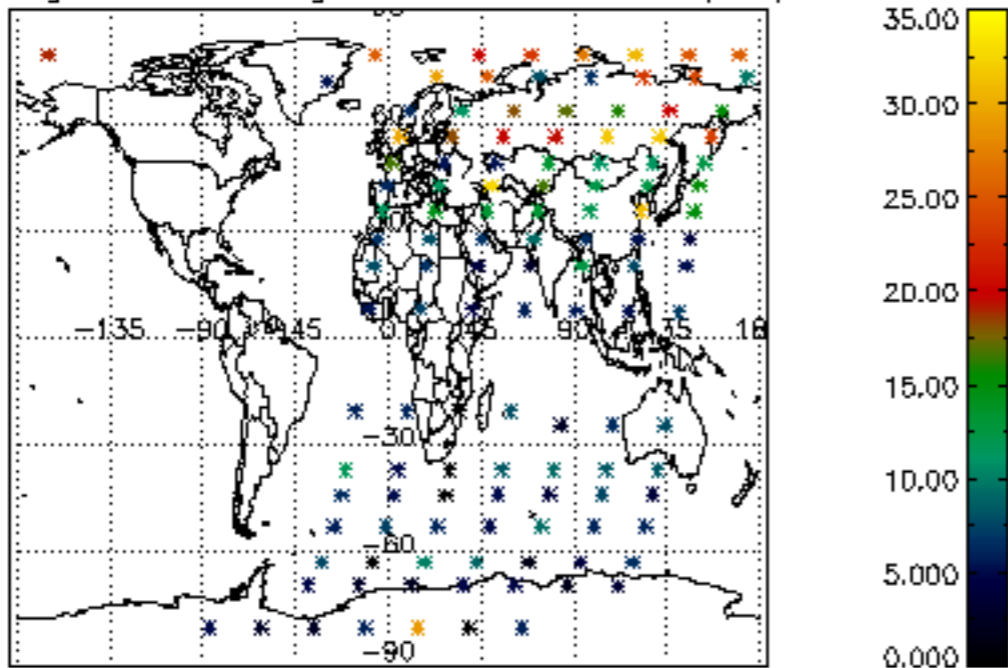
Percentage of cosmic ray hits per profile



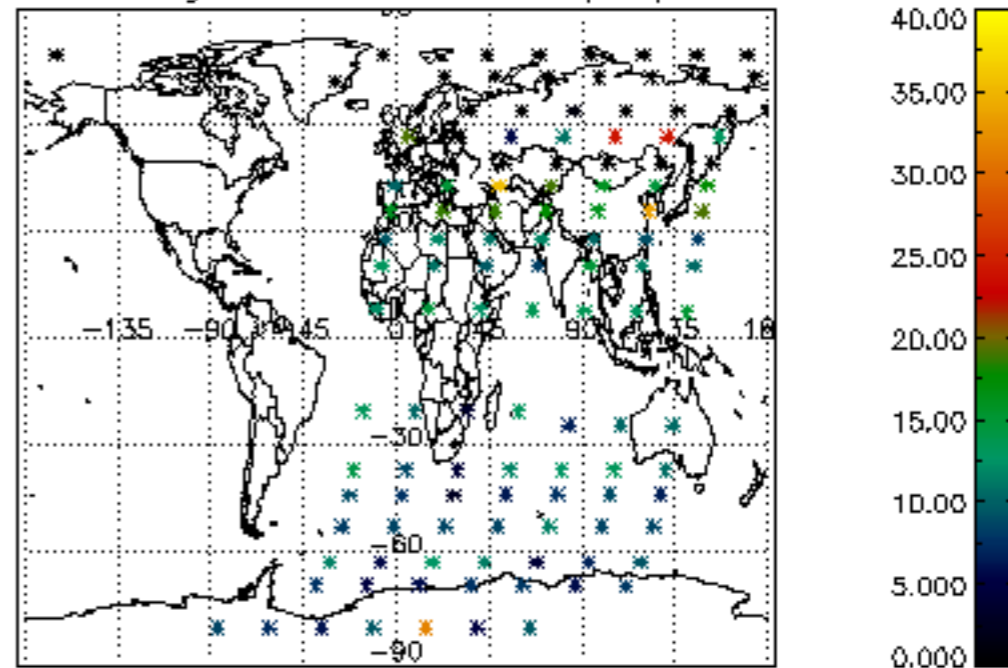
Percentage of datation errors per profile

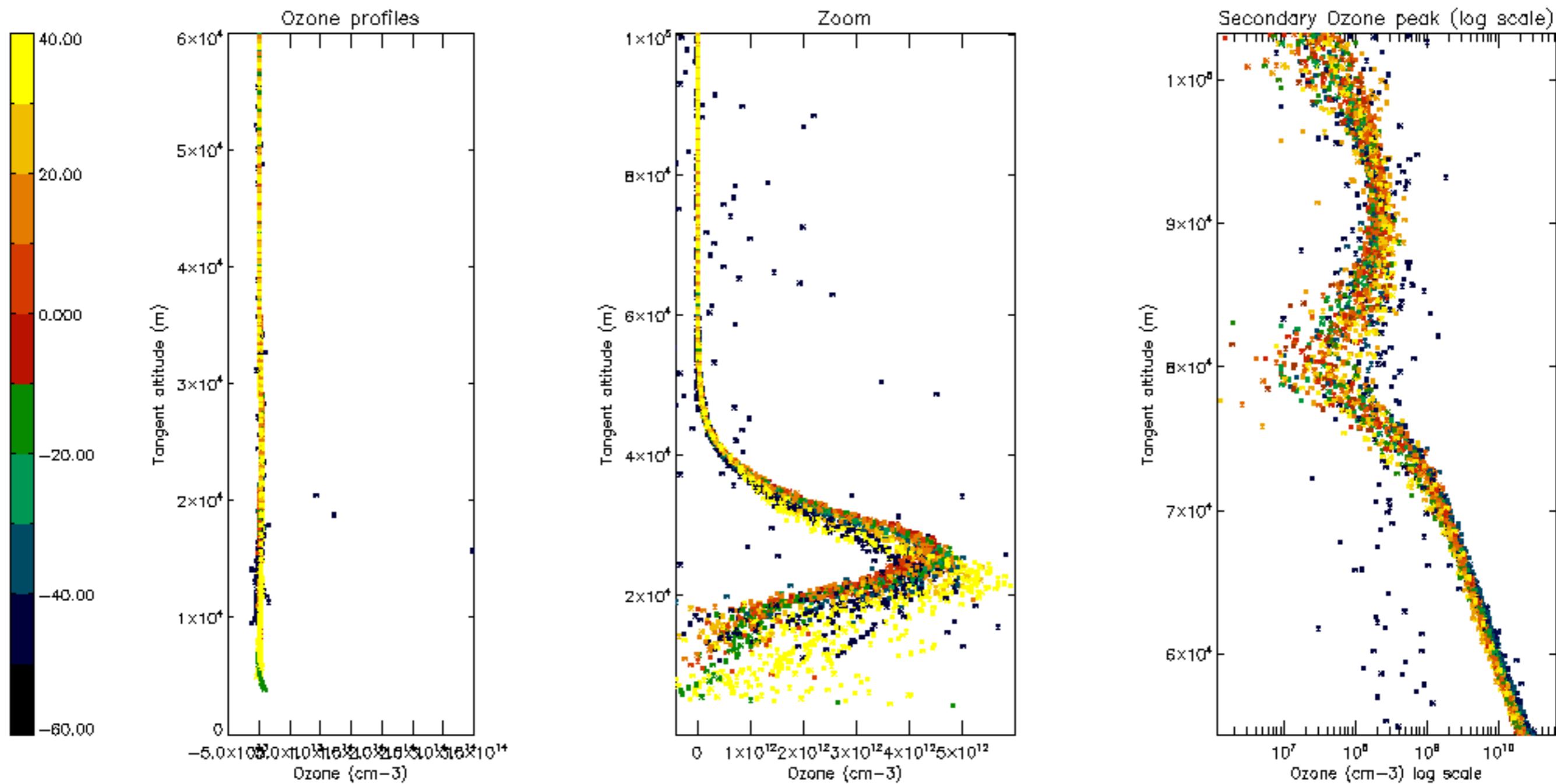


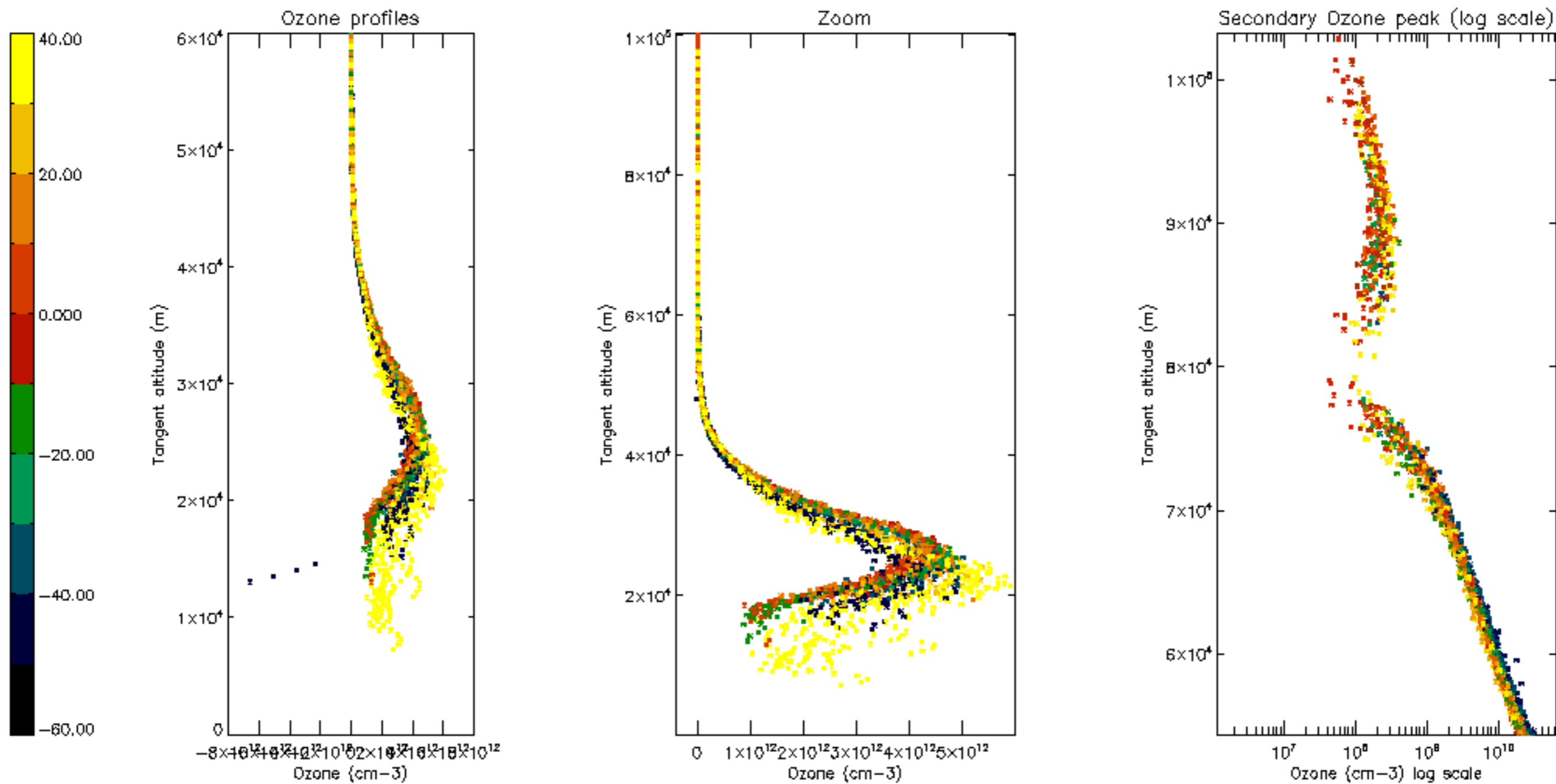
Percentage of star falling outside central band per profile

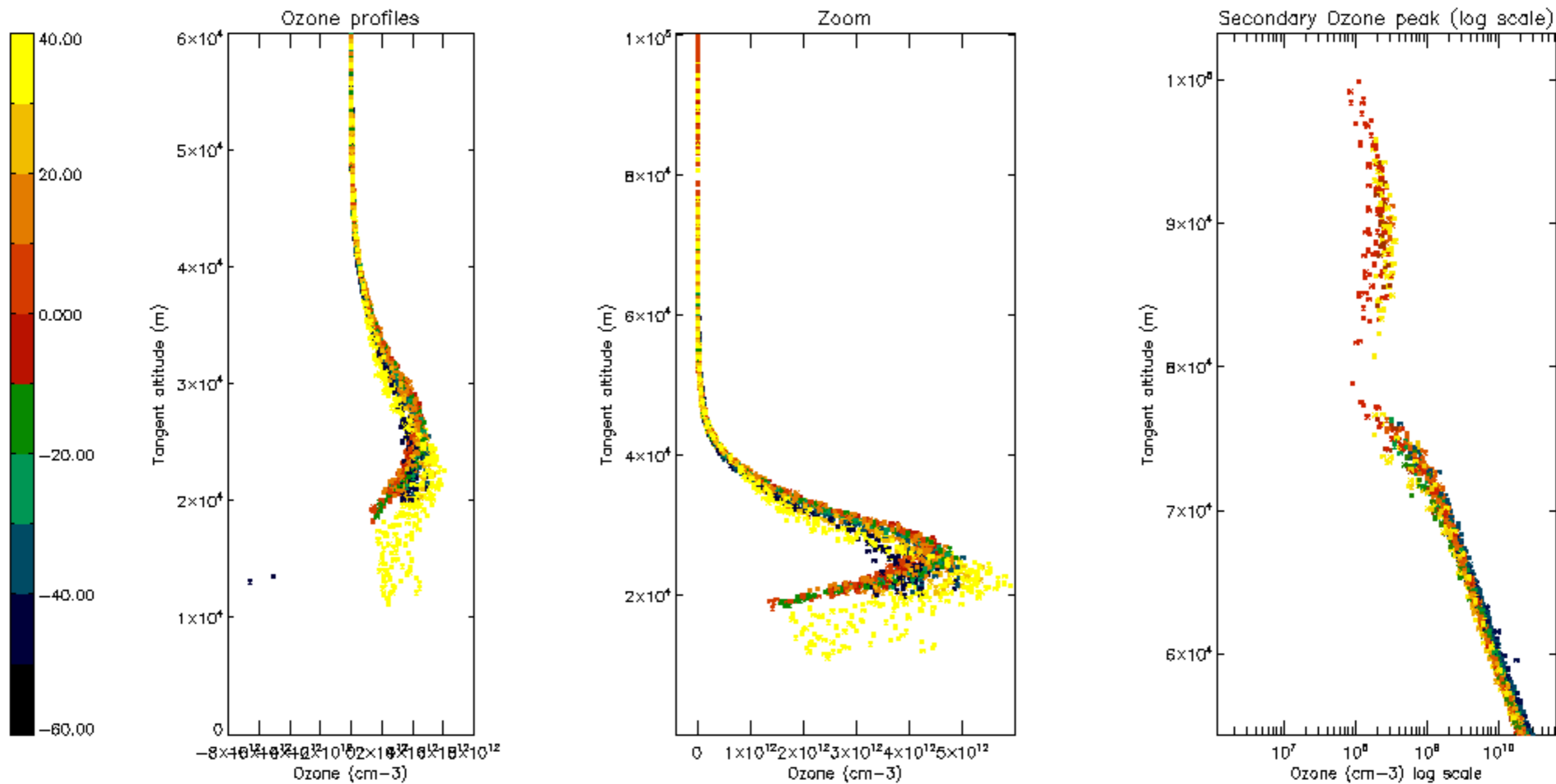


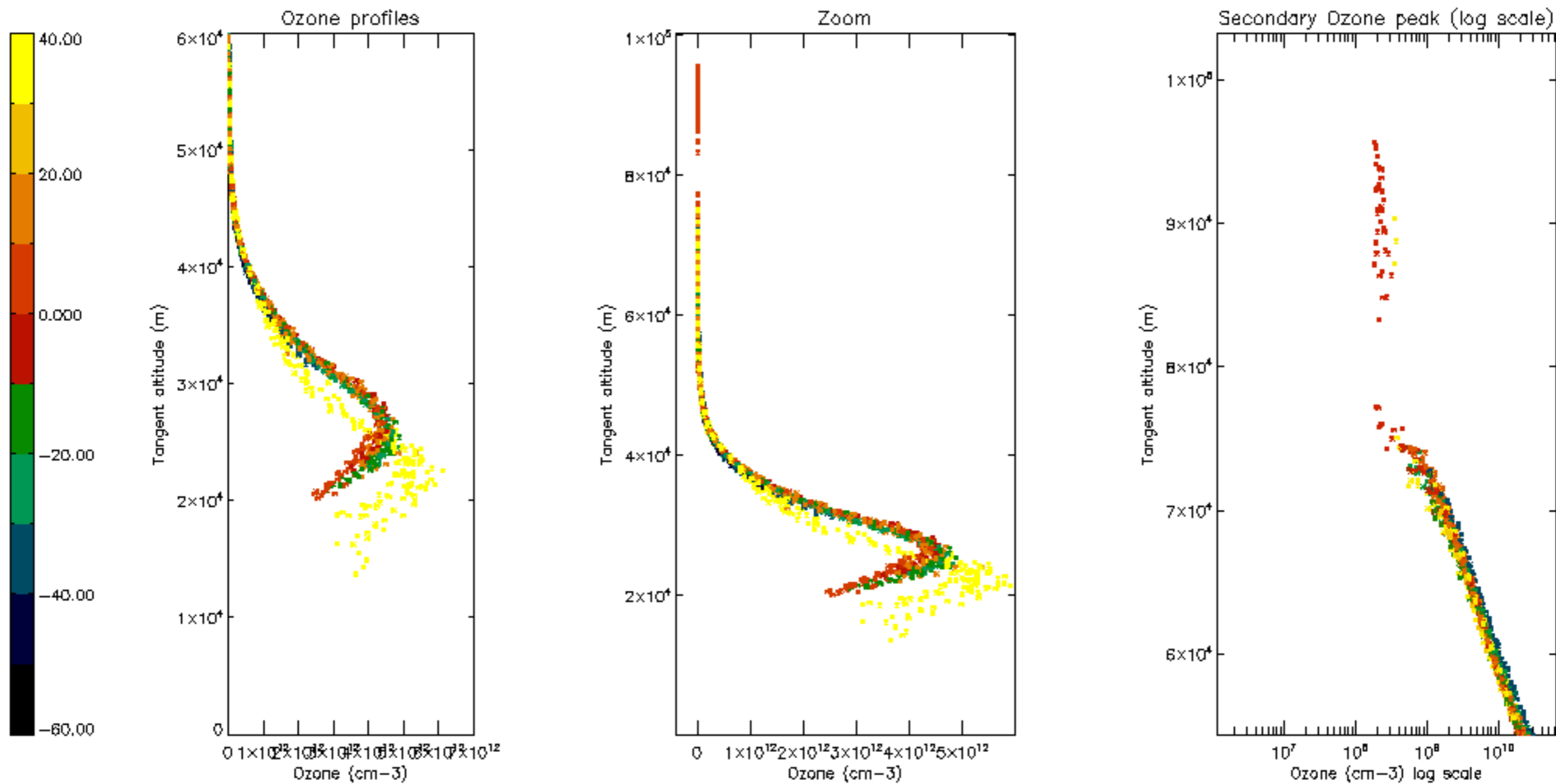
Percentage of saturation errors per profile

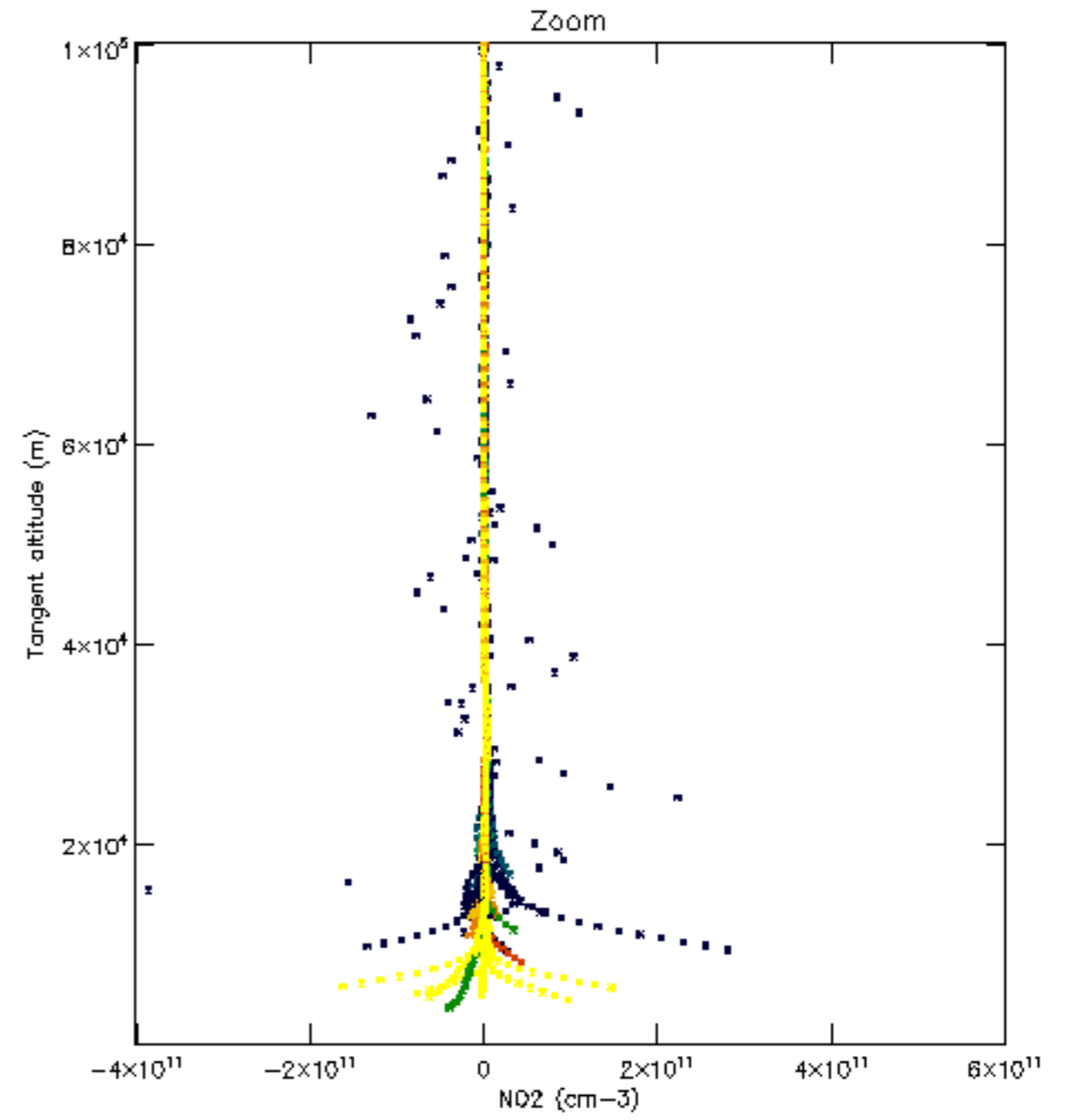
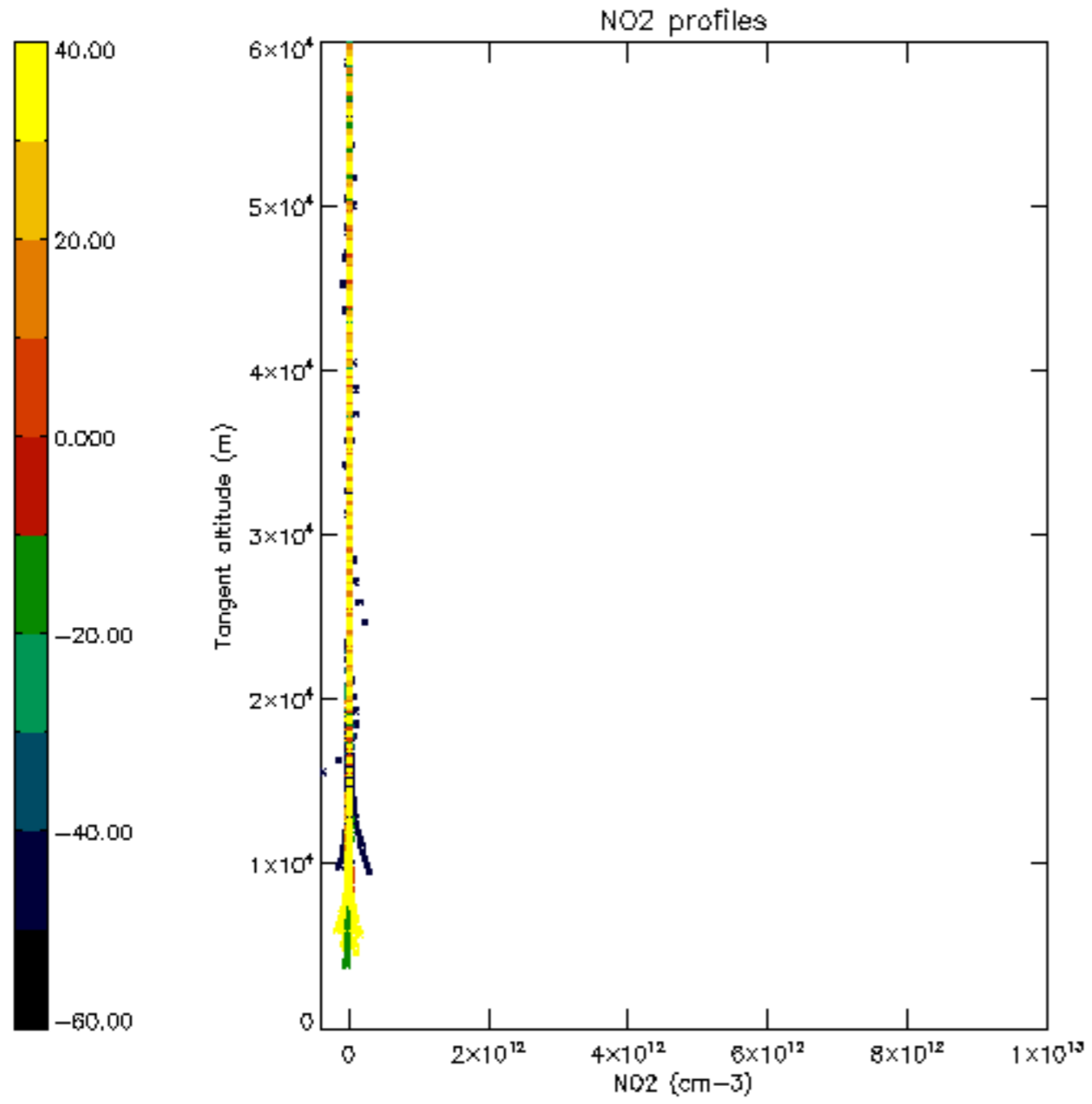


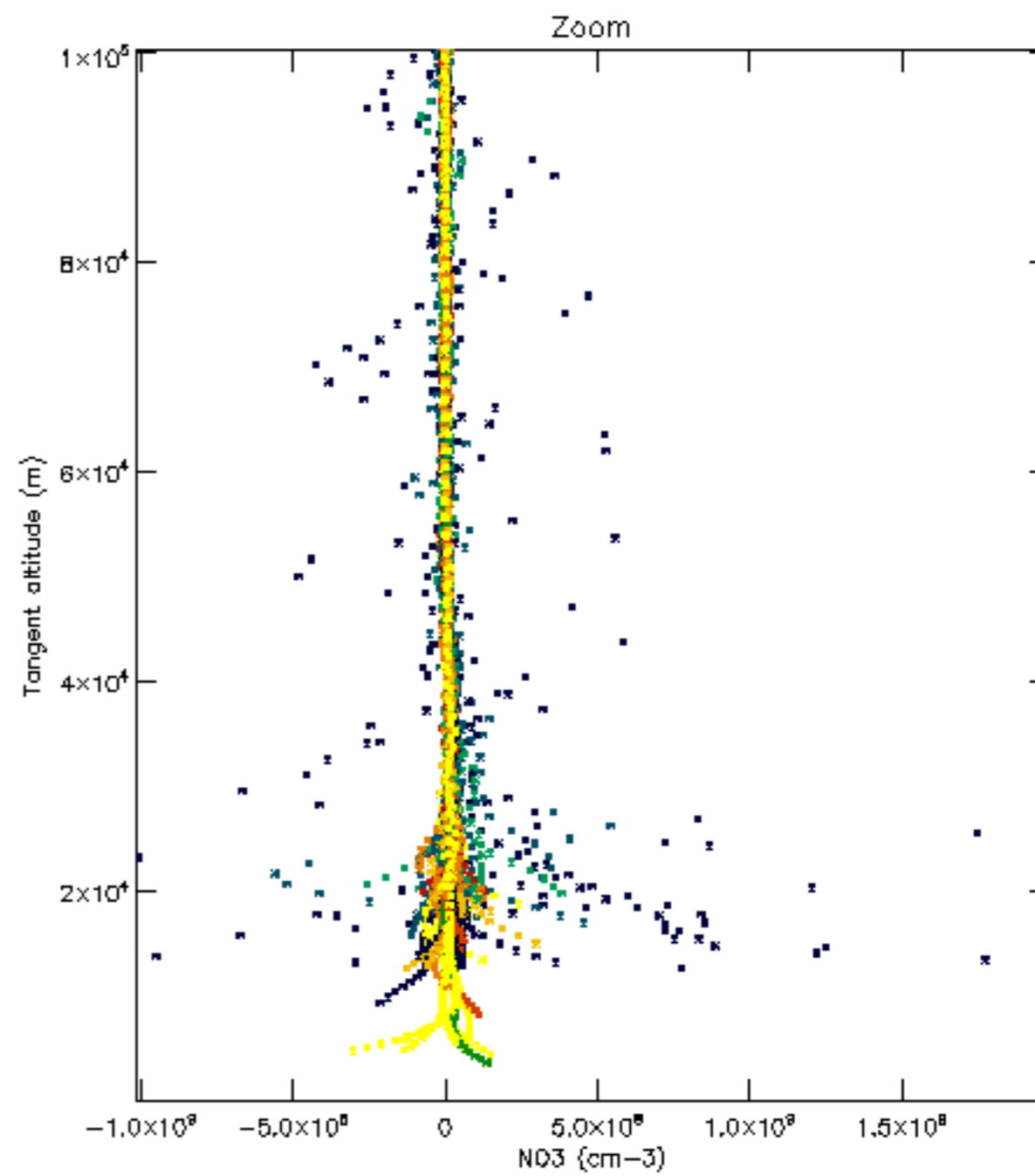
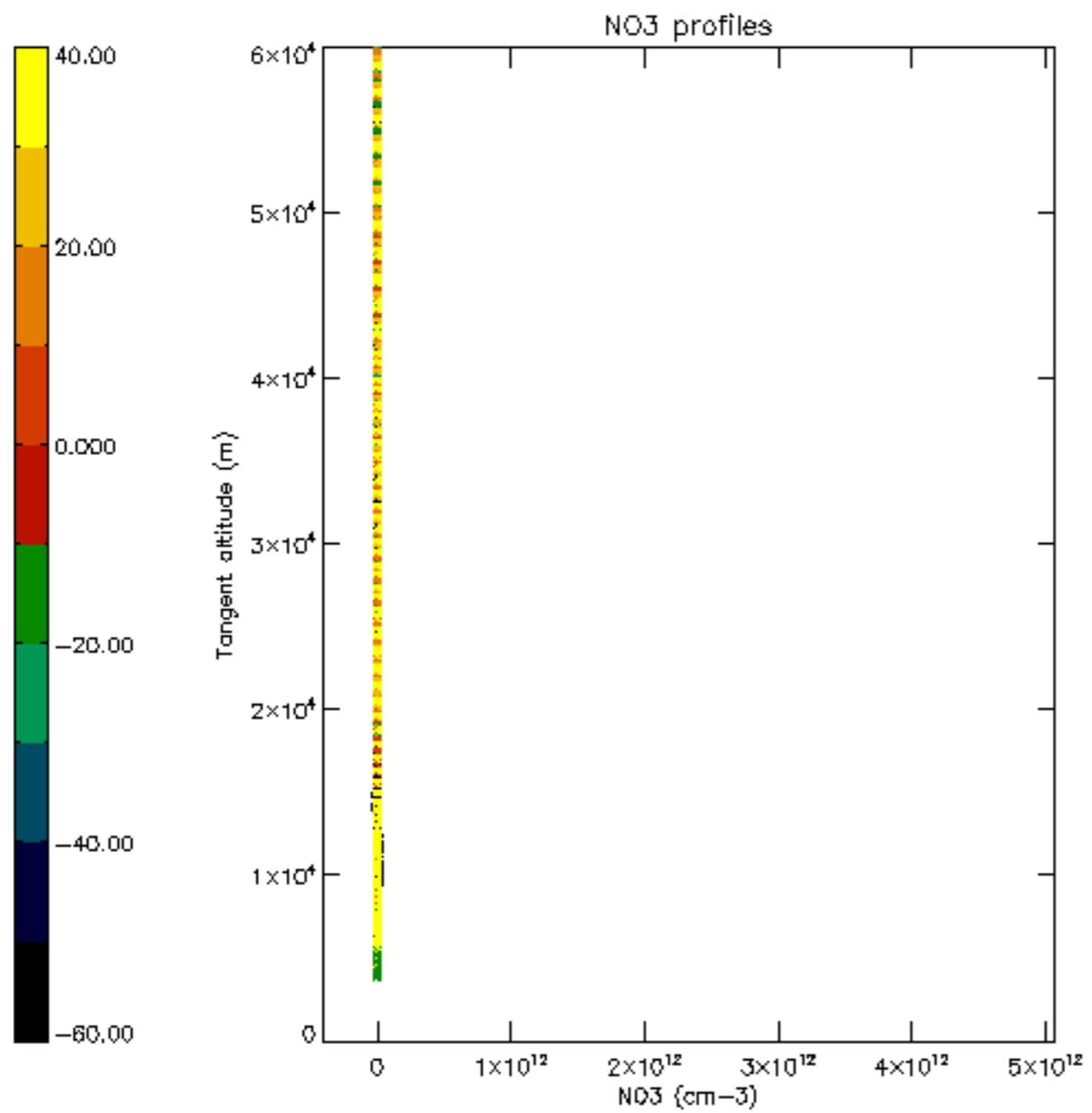


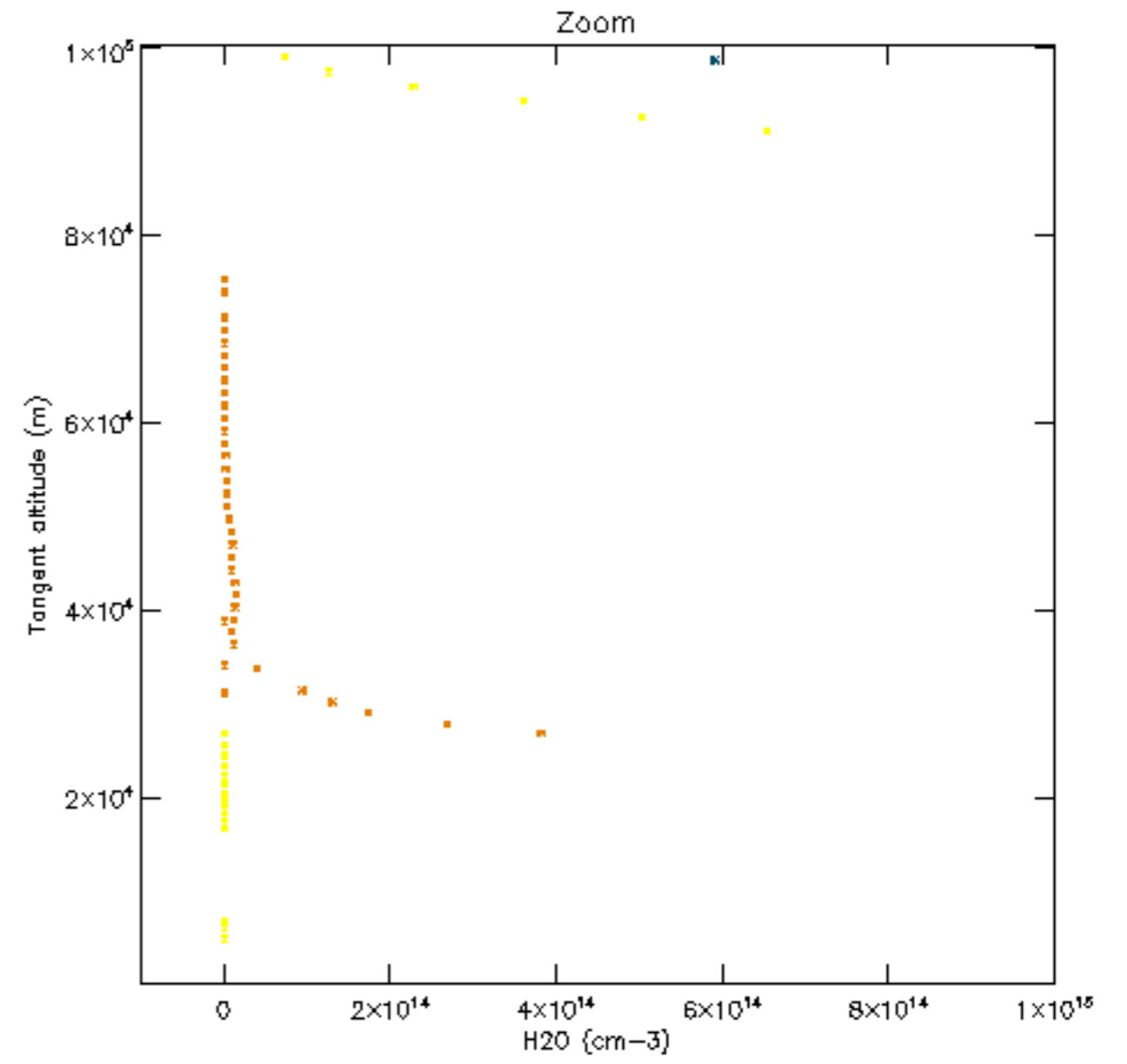
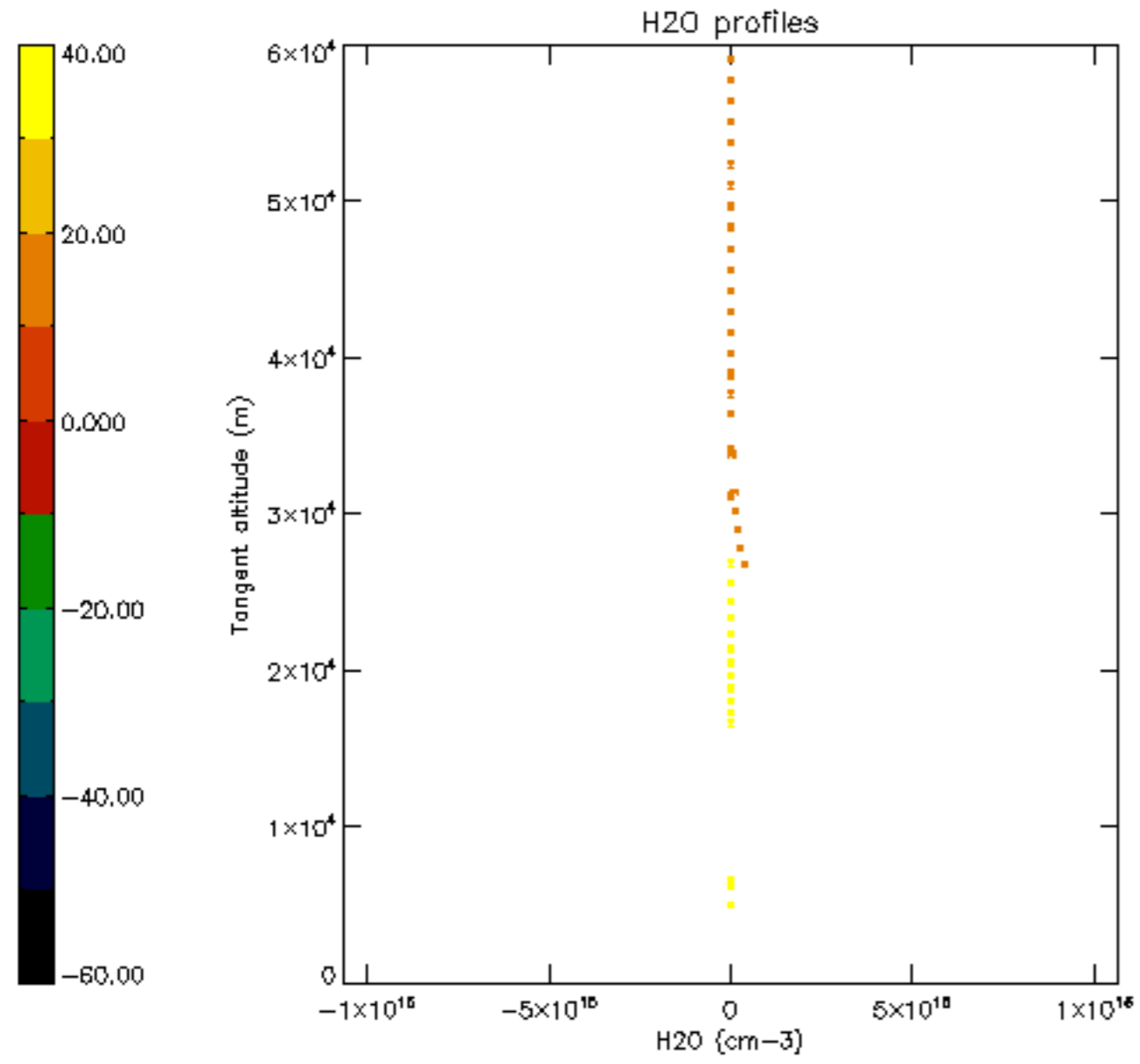


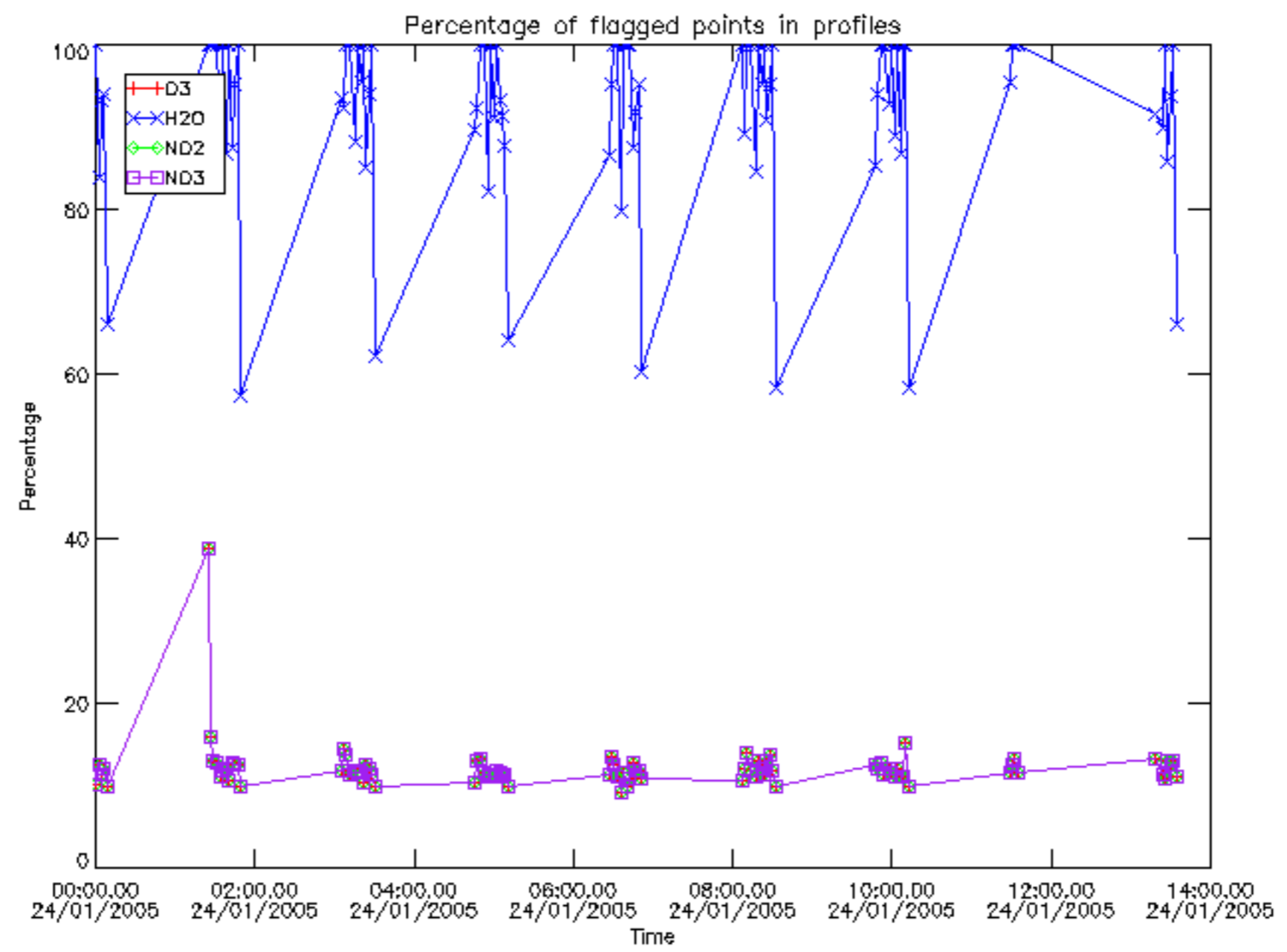




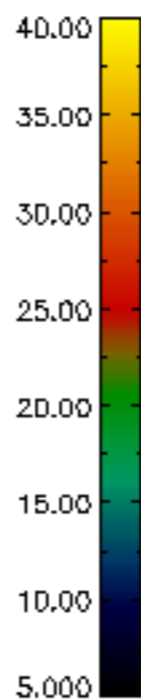
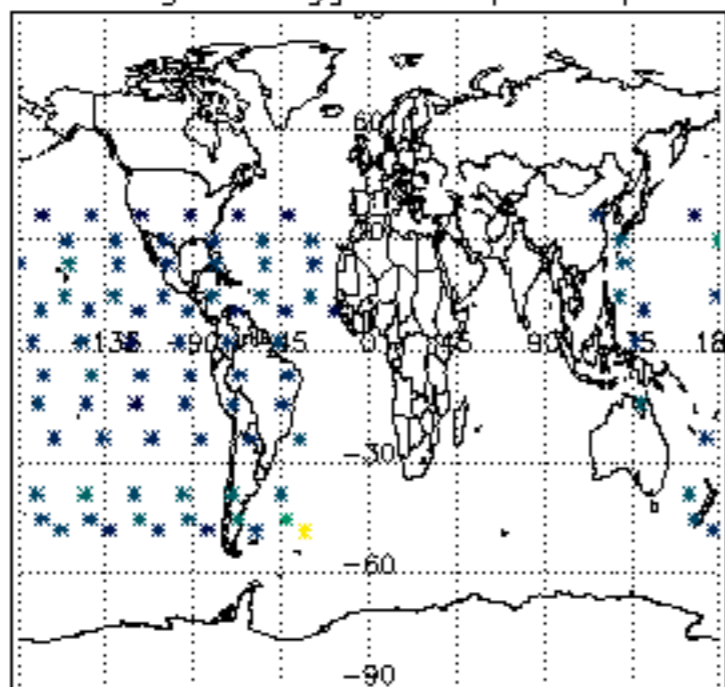




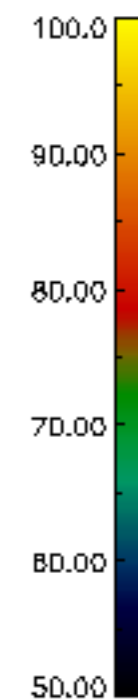
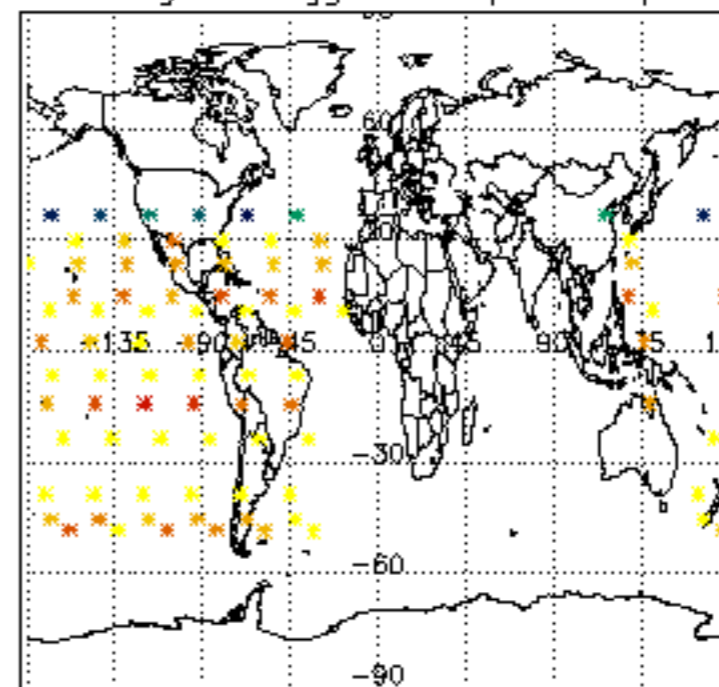




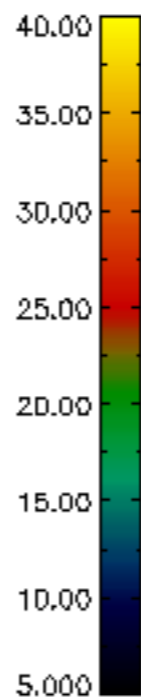
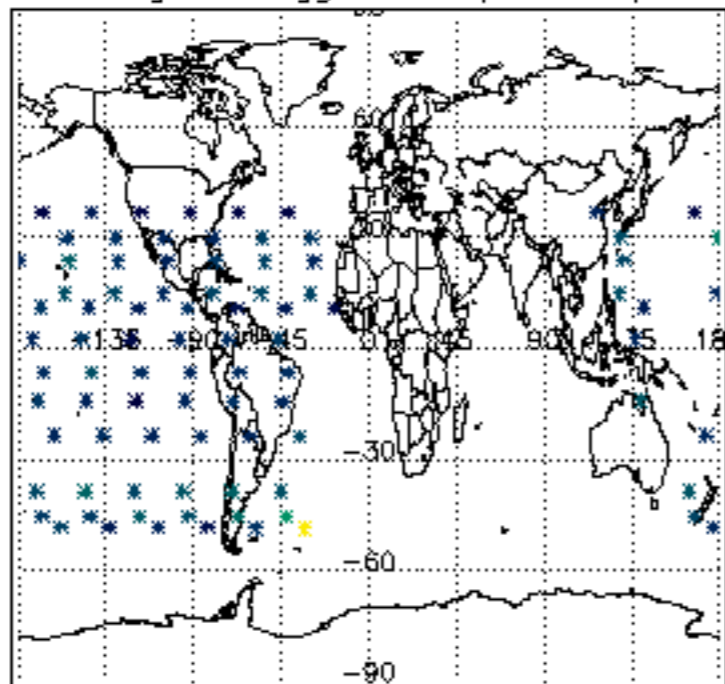
Percentage of flagged data per D3 profile



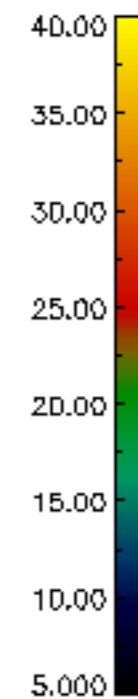
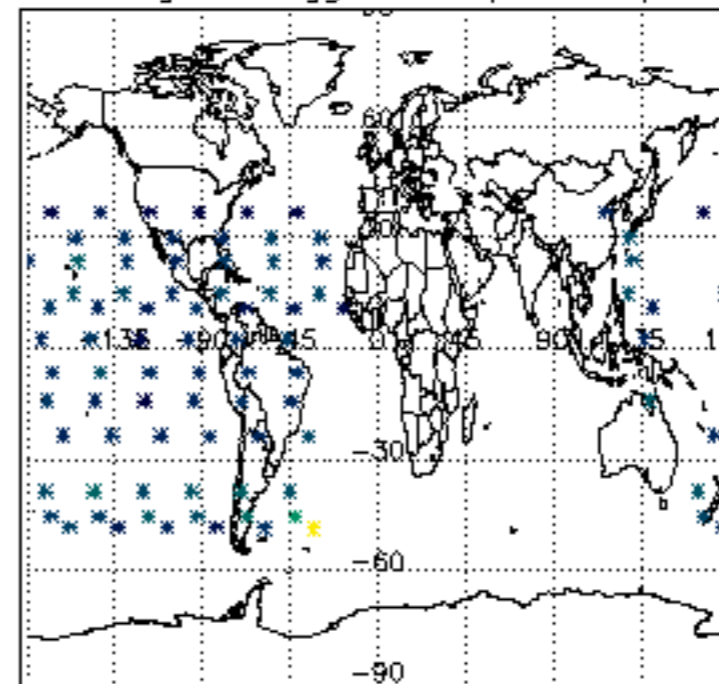
Percentage of flagged data per H2O profile

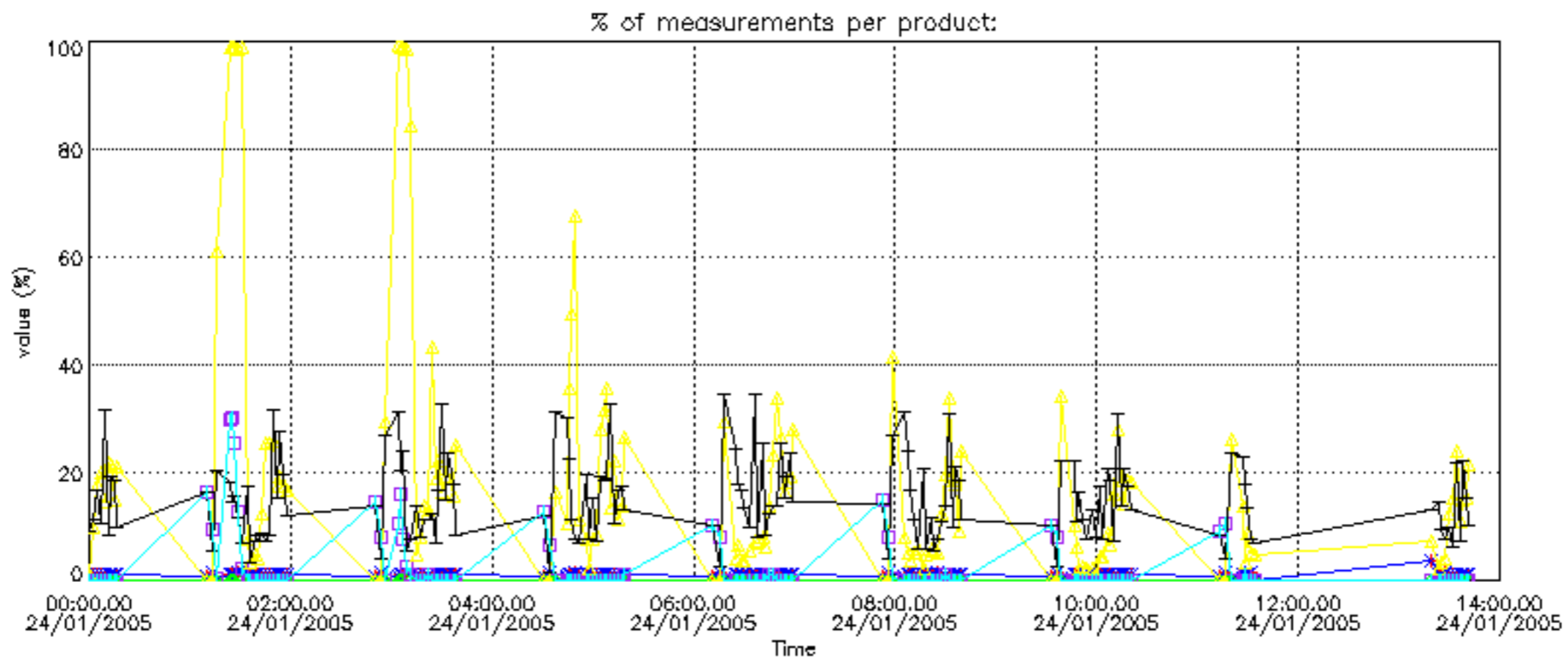


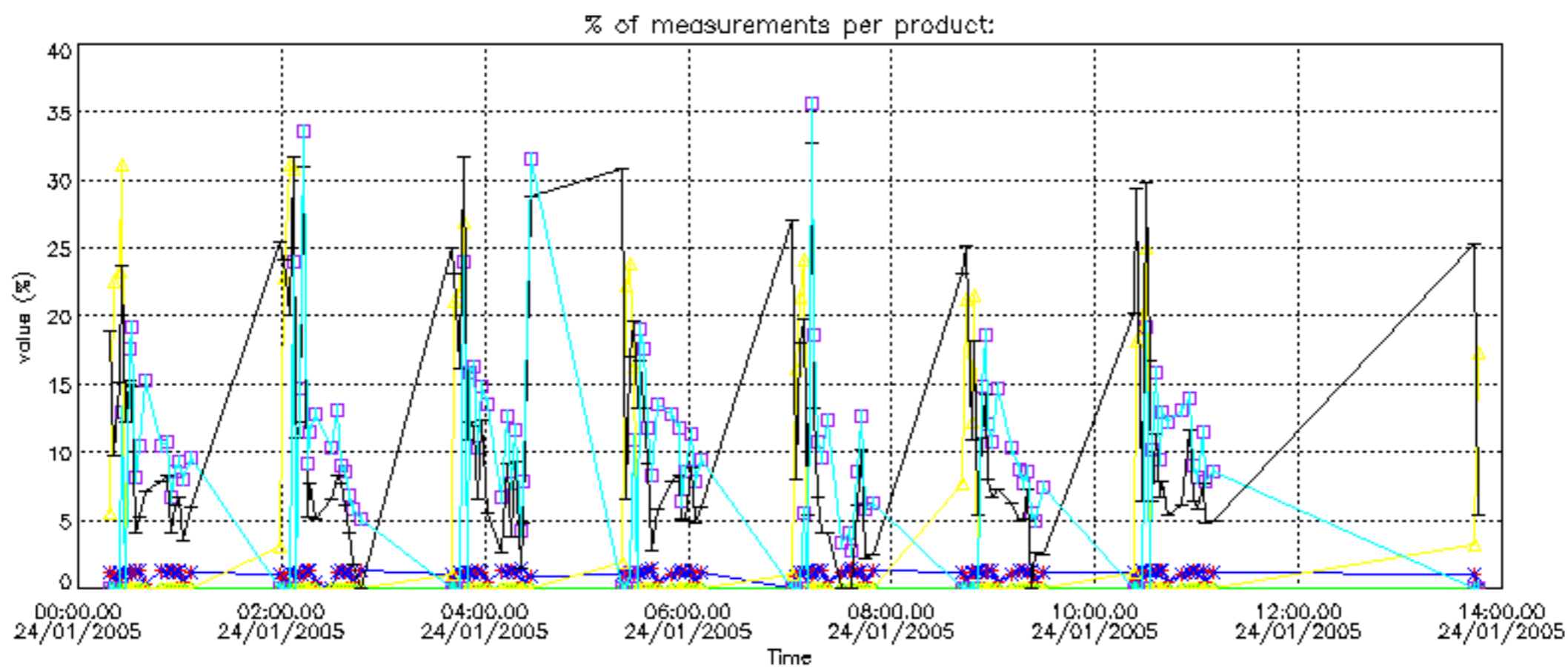
Percentage of flagged data per NO2 profile



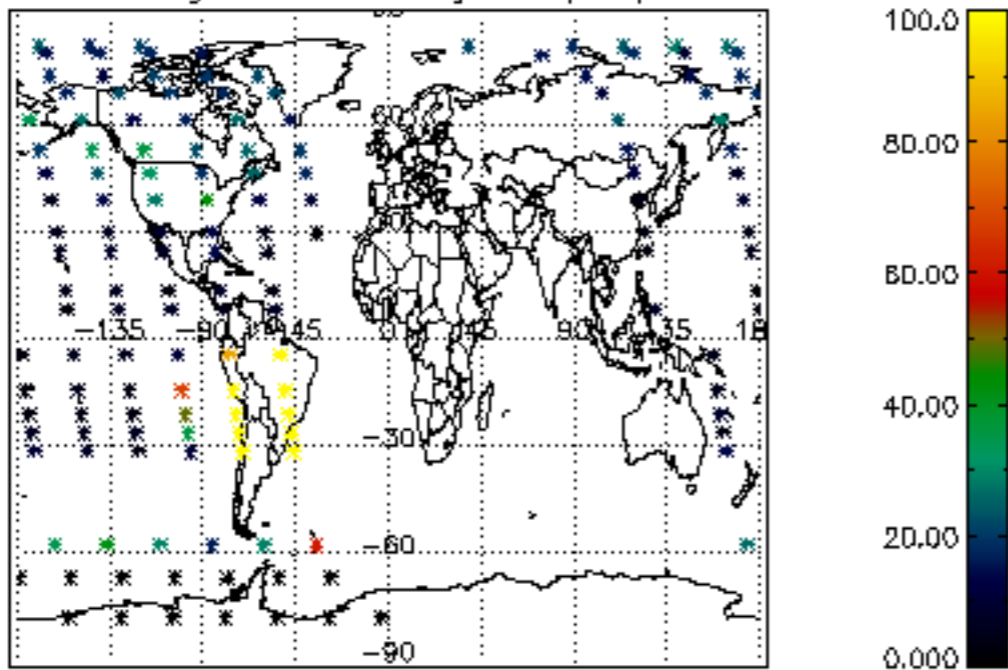
Percentage of flagged data per NO3 profile



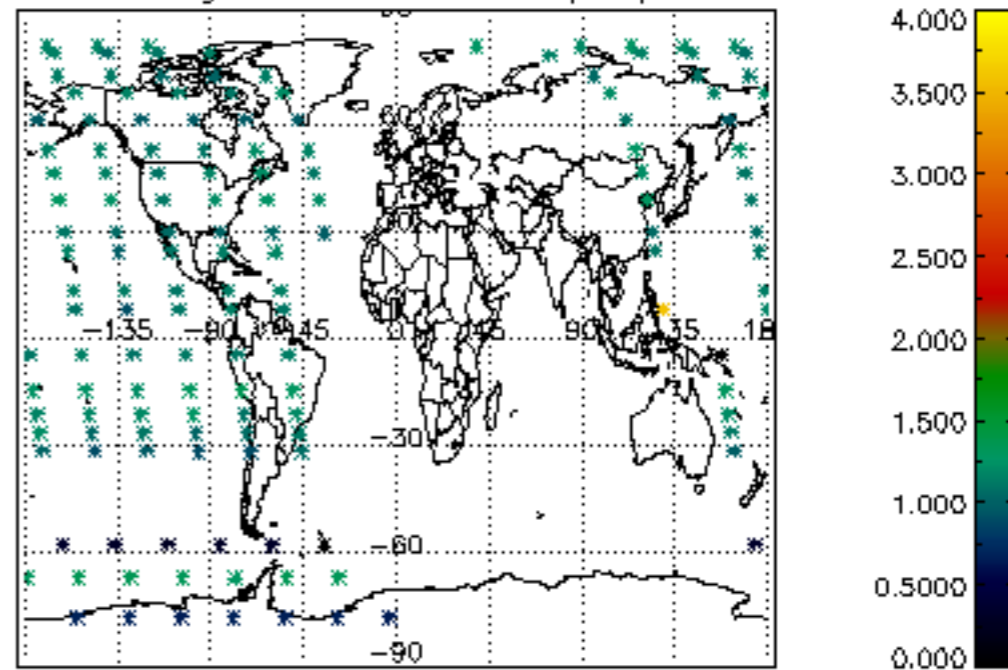




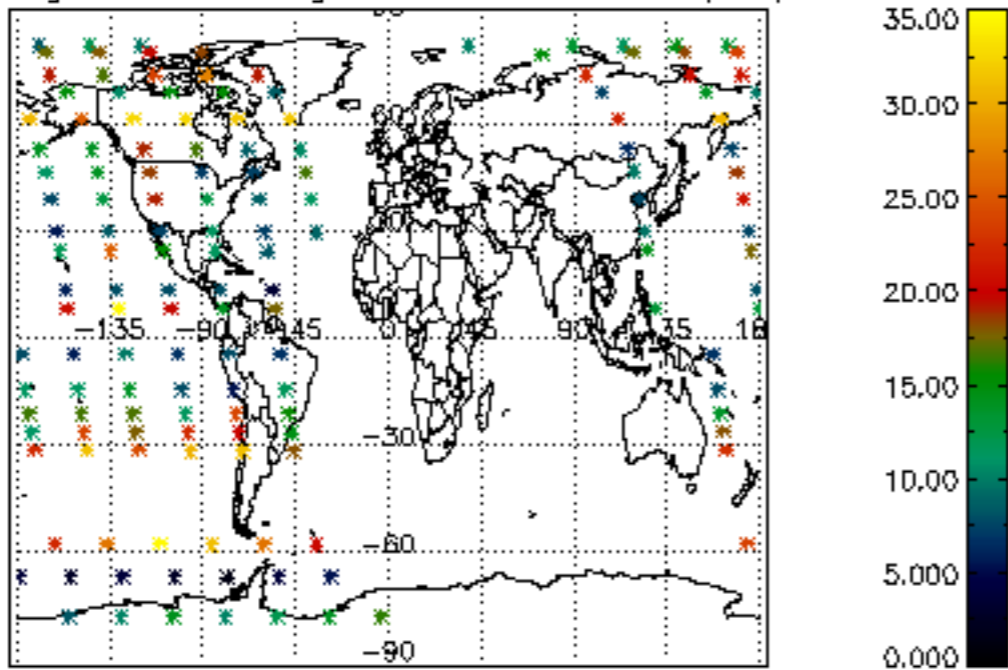
Percentage of cosmic ray hits per profile



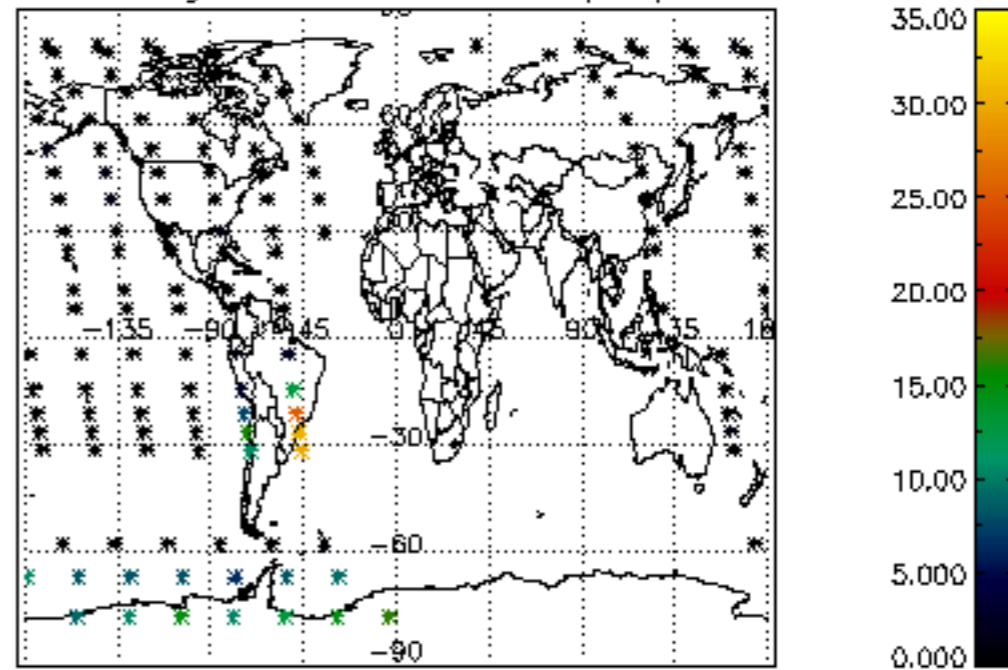
Percentage of datation errors per profile



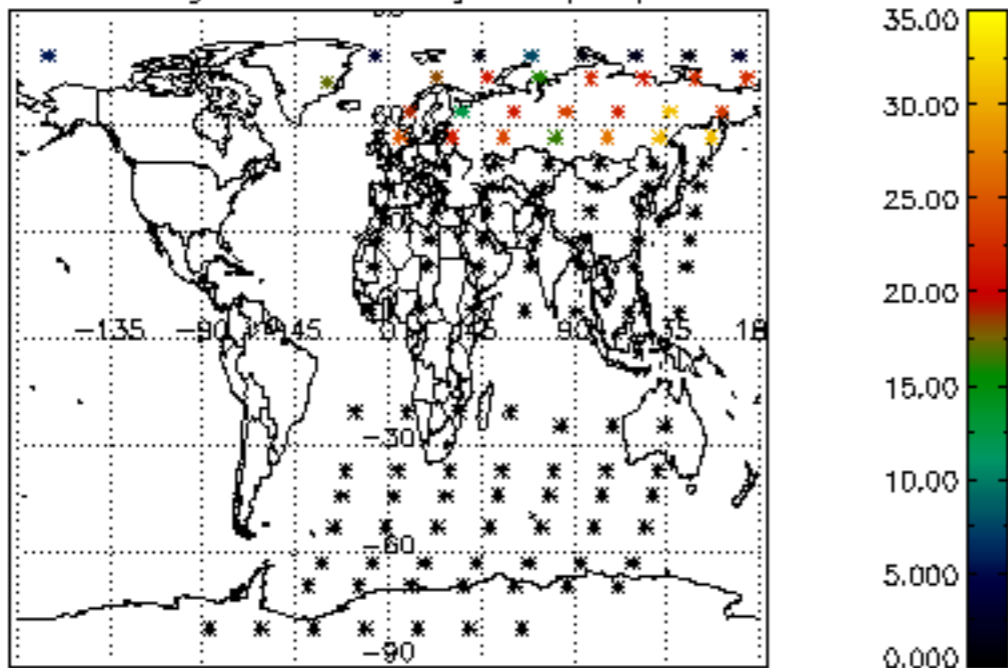
Percentage of star falling outside central band per profile



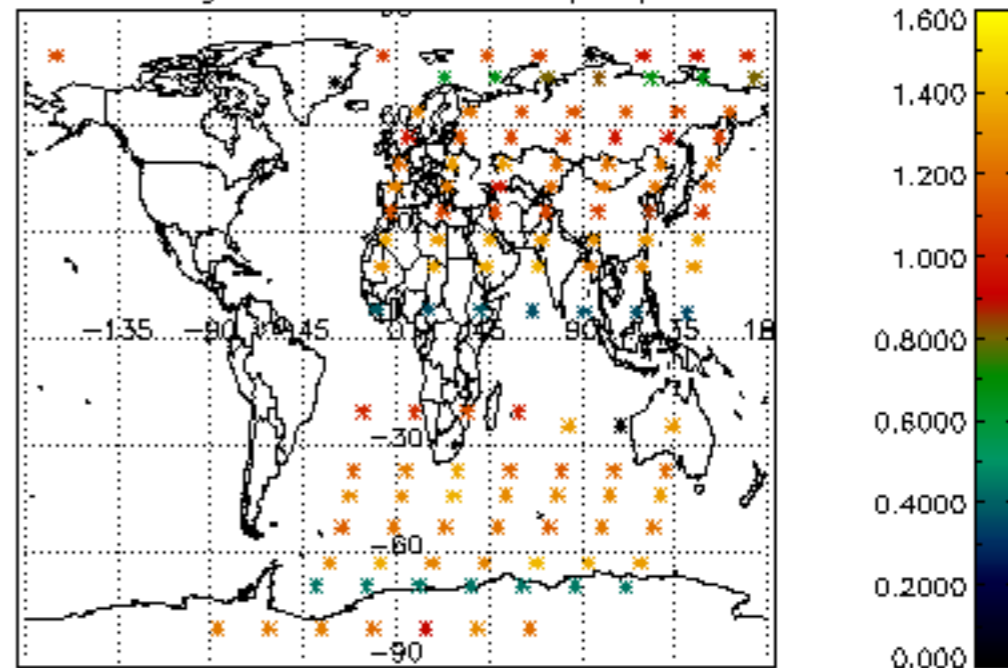
Percentage of saturation errors per profile



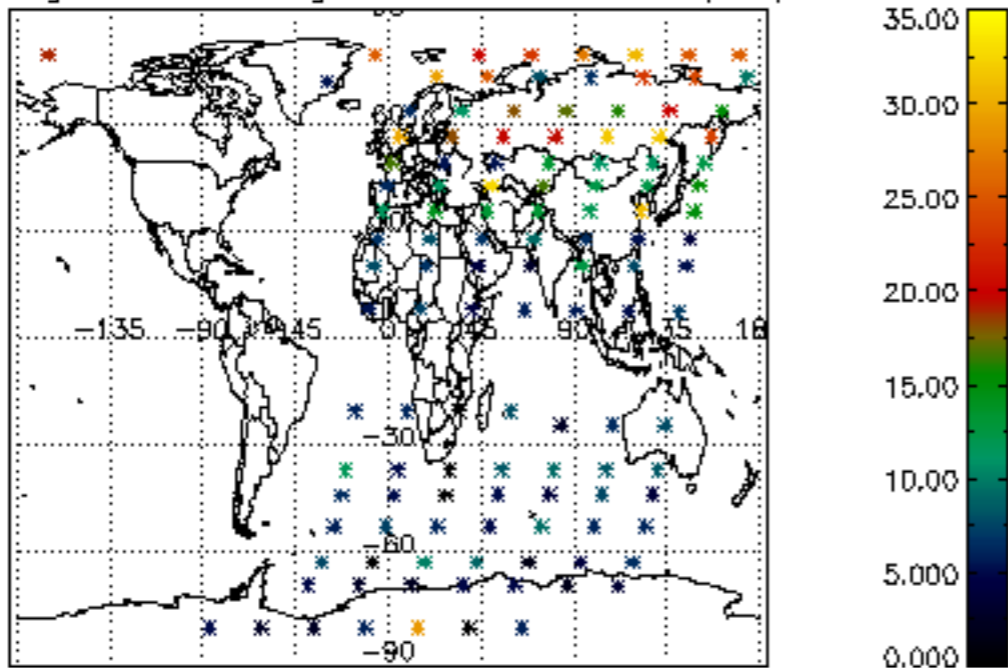
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

