

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 | 19APR2013 11:34:32 |
| Data source version | GOMOS/6.01 |
| Start time of products | 22-09-2004 (22SEP2004 00:00:00) |
| Stop time of products | 23-09-2004 (23SEP2004 00:00:00) |
| Store outputs in DB | Yes |
| Nb of level 2 prods | 339 |
| Nb of prods with errors | 0 |

2. Summary of processed GOM_NL__2P products.

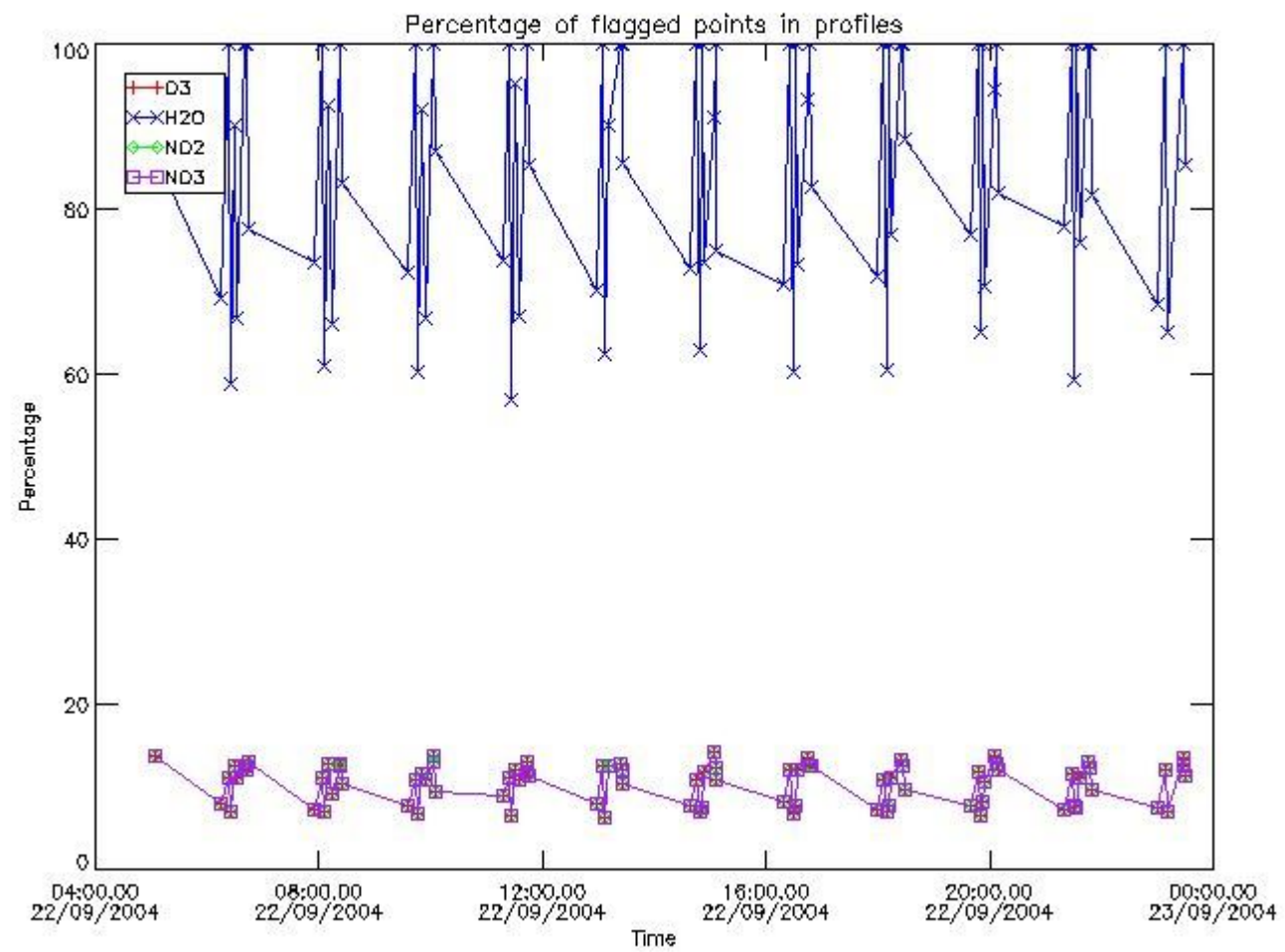
| Nr | Filename | UTC Start time | Limb | Duration | Star Id | Star Name | Star Mag | Star Temp | Nb Meas | Orbit | Prod. error |
|----|--|----------------------|---------------|----------|---------|-----------|----------|-----------|---------|-------|-------------|
| 1 | GOM_NL__2PRFIN20040922_050326_000000492030_00320_13400_4287.N1 | 22-SEP-2004 05:03:26 | Dark | 48.500 | 9 | Alp Eri | 0.45300 | 24000. | 97 | 13400 | No |
| 2 | GOM_NL__2PRFIN20040922_050553_000000392030_00320_13400_4288.N1 | 22-SEP-2004 05:05:53 | Straylight | 39.000 | 148 | Alp Tuc | 2.8780 | 4100.0 | 78 | 13400 | No |
| 3 | GOM_NL__2PRFIN20040922_050921_000000522030_00320_13400_4289.N1 | 22-SEP-2004 05:09:21 | Straylight | 52.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 104 | 13400 | No |
| 4 | GOM_NL__2PRFIN20040922_051226_000000412030_00320_13400_4290.N1 | 22-SEP-2004 05:12:26 | Straylight | 40.500 | 172 | Gam Gru | 3.0030 | 13100. | 81 | 13400 | No |
| 5 | GOM_NL__2PRFIN20040922_051356_000000452030_00320_13400_4291.N1 | 22-SEP-2004 05:13:56 | Straylight | 45.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 90 | 13400 | No |
| 6 | GOM_NL__2PRFIN20040922_051618_000000552030_00320_13400_4292.N1 | 22-SEP-2004 05:16:18 | Twi_and_stray | 55.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 110 | 13400 | No |
| 7 | GOM_NL__2PRFIN20040922_051826_000000432030_00320_13400_4293.N1 | 22-SEP-2004 05:18:26 | Twi_and_stray | 42.500 | 142 | 49Del Cap | 2.8500 | 8900.0 | 85 | 13400 | No |
| 8 | GOM_NL__2PRFIN20040922_052236_000000402030_00320_13400_4294.N1 | 22-SEP-2004 05:22:36 | Bright | 39.500 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 79 | 13400 | No |
| 9 | GOM_NL__2PRFIN20040922_052539_000000412030_00320_13400_4295.N1 | 22-SEP-2004 05:25:39 | Bright | 41.000 | 61 | 8Eps Peg | 2.1000 | 3900.0 | 82 | 13400 | No |
| 10 | GOM_NL__2PRFIN20040922_052739_000000462030_00320_13400_4296.N1 | 22-SEP-2004 05:27:39 | Bright | 45.500 | 140 | 88Gam Peg | 2.8340 | 26000. | 91 | 13400 | No |
| 11 | GOM_NL__2PRFIN20040922_053031_000000402030_00320_13400_4297.N1 | 22-SEP-2004 05:30:31 | Bright | 39.500 | 93 | 53Bet Peg | 2.5200 | 3100.0 | 79 | 13400 | No |
| 12 | GOM_NL__2PRFIN20040922_053159_000000462030_00320_13400_4298.N1 | 22-SEP-2004 05:31:59 | Bright | 45.500 | 58 | 21Alp And | 2.0730 | 11000. | 91 | 13400 | No |
| 13 | GOM_NL__2PRFIN20040922_053614_000000402030_00320_13400_4299.N1 | 22-SEP-2004 05:36:14 | Bright | 40.000 | 19 | 50Alp Cyg | 1.2460 | 10500. | 80 | 13400 | No |
| 14 | GOM_NL__2PRFIN20040922_054018_000000382030_00320_13400_4300.N1 | 22-SEP-2004 05:40:18 | Bright | 37.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 75 | 13400 | No |
| 15 | GOM_NL__2PRFIN20040922_054203_000000432030_00320_13400_4301.N1 | 22-SEP-2004 05:42:03 | Bright | 43.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 86 | 13400 | No |
| 16 | GOM_NL__2PRFIN20040922_054747_000000392030_00320_13400_4302.N1 | 22-SEP-2004 05:47:47 | Bright | 39.000 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 78 | 13400 | No |
| 17 | GOM_NL__2PRFIN20040922_054914_000000352030_00320_13400_4303.N1 | 22-SEP-2004 05:49:14 | Bright | 34.500 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 69 | 13400 | No |
| 18 | GOM_NL__2PRFIN20040922_055525_000000382030_00320_13400_4304.N1 | 22-SEP-2004 05:55:25 | Bright | 37.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 75 | 13400 | No |
| 19 | GOM_NL__2PRFIN20040922_055654_000000362030_00320_13400_4305.N1 | 22-SEP-2004 05:56:54 | Bright | 36.000 | 82 | 48Bet UMa | 2.3650 | 10600. | 72 | 13400 | No |
| 20 | GOM_NL__2PRFIN20040922_055929_000000642030_00320_13400_4306.N1 | 22-SEP-2004 05:59:29 | Bright | 63.500 | 42 | 34Bet Aur | 1.9000 | 10200. | 127 | 13400 | No |
| 21 | GOM_NL__2PRFIN20040922_060321_000000702030_00320_13400_4307.N1 | 22-SEP-2004 06:03:21 | Bright | 70.000 | 107 | 37The Aur | 2.6490 | 11000. | 140 | 13400 | No |
| 22 | GOM_NL__2PRFIN20040922_060626_000002552030_00320_13400_4308.N1 | 22-SEP-2004 06:06:26 | Twi_and_stray | 255.00 | 114 | 31ot Aur | 2.6930 | 4600.0 | 510 | 13400 | No |
| 23 | GOM_NL__2PRFIN20040922_061129_000001082030_00320_13400_4309.N1 | 22-SEP-2004 06:11:29 | Straylight | 107.50 | 151 | 13Mu Gem | 2.8900 | 3000.0 | 215 | 13400 | No |
| 24 | GOM_NL__2PRFIN20040922_061455_000000642030_00320_13400_4310.N1 | 22-SEP-2004 06:14:55 | Dark | 63.500 | 8 | 10Alp CMi | 0.40000 | 6500.0 | 127 | 13400 | No |
| 25 | GOM_NL__2PRFIN20040922_062217_000000462030_00320_13400_4311.N1 | 22-SEP-2004 06:22:17 | Dark | 46.000 | 132 | 15Rho Pup | 2.8030 | 6900.0 | 92 | 13400 | No |
| 26 | GOM_NL__2PRFIN20040922_062501_000000722030_00320_13400_4312.N1 | 22-SEP-2004 06:25:01 | Dark | 72.000 | 1 | 9Alp CMa | -1.4400 | 11000. | 144 | 13400 | No |
| 27 | GOM_NL__2PRFIN20040922_062859_000000412030_00320_13400_4313.N1 | 22-SEP-2004 06:28:59 | Dark | 41.000 | 46 | Del Vel | 1.9540 | 10600. | 82 | 13400 | No |
| 28 | GOM_NL__2PRFIN20040922_063237_000000462030_00321_13401_4287.N1 | 22-SEP-2004 06:32:37 | Dark | 45.500 | 2 | Alp Car | -0.73600 | 7000.0 | 91 | 13401 | No |
| 29 | GOM_NL__2PRFIN20040922_064100_000000412030_00321_13401_4288.N1 | 22-SEP-2004 06:41:00 | Dark | 41.000 | 135 | Bet Hyi | 2.8200 | 5800.0 | 82 | 13401 | No |
| 30 | GOM_NL__2PRFIN20040922_064235_000000422030_00321_13401_4289.N1 | 22-SEP-2004 06:42:35 | Dark | 42.000 | 143 | Alp Hyi | 2.8570 | 7200.0 | 84 | 13401 | No |
| 31 | GOM_NL__2PRFIN20040922_064402_000000432030_00321_13401_4290.N1 | 22-SEP-2004 06:44:02 | Dark | 43.000 | 9 | Alp Eri | 0.45300 | 24000. | 86 | 13401 | No |
| 32 | GOM_NL__2PRFIN20040922_064629_000000402030_00321_13401_4291.N1 | 22-SEP-2004 06:46:29 | Straylight | 39.500 | 148 | Alp Tuc | 2.8780 | 4100.0 | 79 | 13401 | No |
| 33 | GOM_NL__2PRFIN20040922_064957_000000492030_00321_13401_4292.N1 | 22-SEP-2004 06:49:57 | Straylight | 49.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 98 | 13401 | No |
| 34 | GOM_NL__2PRFIN20040922_065302_000000402030_00321_13401_4293.N1 | 22-SEP-2004 06:53:02 | Straylight | 40.000 | 172 | Gam Gru | 3.0030 | 13100. | 80 | 13401 | No |
| 35 | GOM_NL__2PRFIN20040922_065433_000000462030_00321_13401_4294.N1 | 22-SEP-2004 06:54:33 | Straylight | 45.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 91 | 13401 | No |
| 36 | GOM_NL__2PRFIN20040922_065654_000000582030_00321_13401_4295.N1 | 22-SEP-2004 06:56:54 | Twi_and_stray | 58.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 116 | 13401 | No |
| 37 | GOM_NL__2PRFIN20040922_065903_000000422030_00321_13401_4296.N1 | 22-SEP-2004 06:59:03 | Twi_and_stray | 42.000 | 142 | 49Del Cap | 2.8500 | 8900.0 | 84 | 13401 | No |
| 38 | GOM_NL__2PRFIN20040922_070312_000000392030_00321_13401_4297.N1 | 22-SEP-2004 07:03:12 | Bright | 39.000 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 78 | 13401 | No |
| 39 | GOM_NL__2PRFIN20040922_070615_000000402030_00321_13401_4298.N1 | 22-SEP-2004 07:06:15 | Bright | 39.500 | 61 | 8Eps Peg | 2.1000 | 3900.0 | 79 | 13401 | No |
| 40 | GOM_NL__2PRFIN20040922_070815_000000452030_00321_13401_4299.N1 | 22-SEP-2004 07:08:15 | Bright | 45.000 | 140 | 88Gam Peg | 2.8340 | 26000. | 90 | 13401 | No |
| 41 | GOM_NL__2PRFIN20040922_071107_000000392030_00321_13401_4300.N1 | 22-SEP-2004 07:11:07 | Bright | 39.000 | 93 | 53Bet Peg | 2.5200 | 3100.0 | 78 | 13401 | No |
| 42 | GOM_NL__2PRFIN20040922_071235_000000442030_00321_13401_4301.N1 | 22-SEP-2004 07:12:35 | Bright | 43.500 | 58 | 21Alp And | 2.0730 | 11000. | 87 | 13401 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|--------|--------|----|-----------|--------|--------|----|-------|----|
| 338 | GOM_NL__2PRFIN20040922_235705_000000382030_00331_13411_4323.N1 | 22-SEP-2004 23:57:05 | Bright | 38.000 | 93 | 53Bet Peg | 2.5200 | 3100.0 | 76 | 13411 | No |
| 339 | GOM_NL__2PRFIN20040922_235829_000000452030_00331_13411_4324.N1 | 22-SEP-2004 23:58:29 | Bright | 45.000 | 58 | 21Alp And | 2.0730 | 11000. | 90 | 13411 | No |

3. Quality information per product

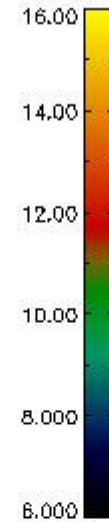
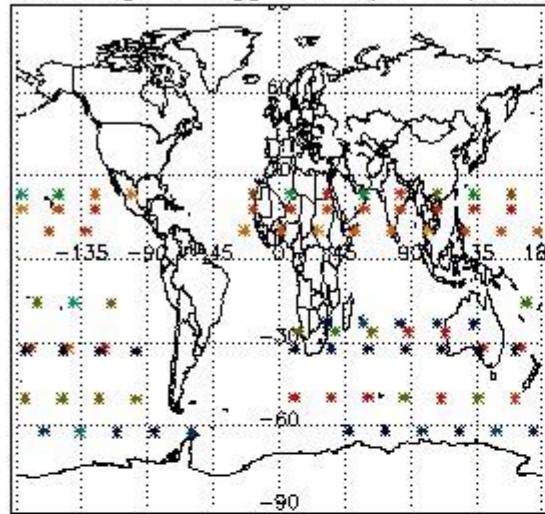
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

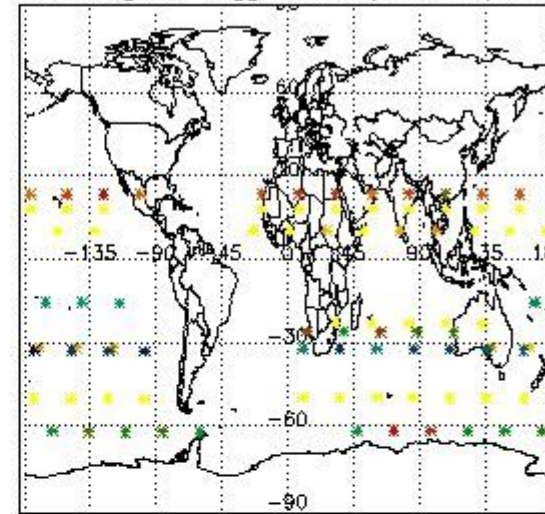


3.2 Plot quality information per product (world map)

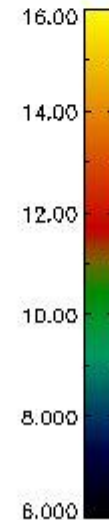
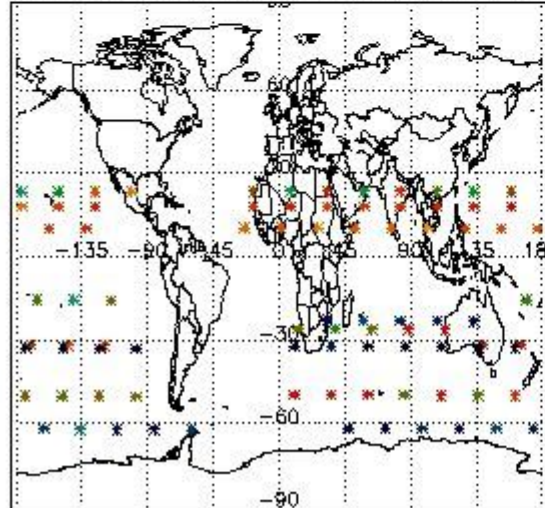
Percentage of flagged data per O3 profile



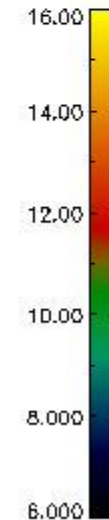
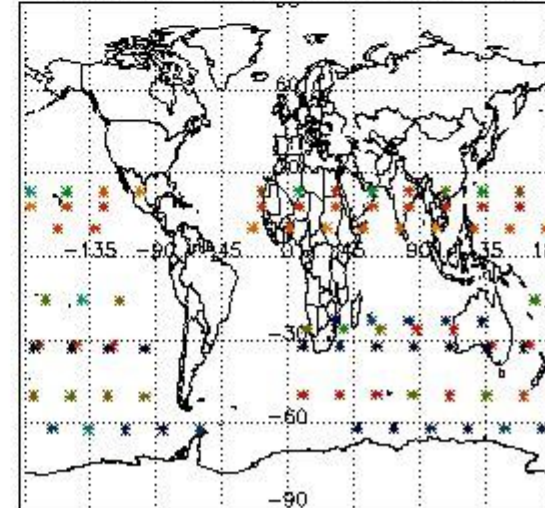
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

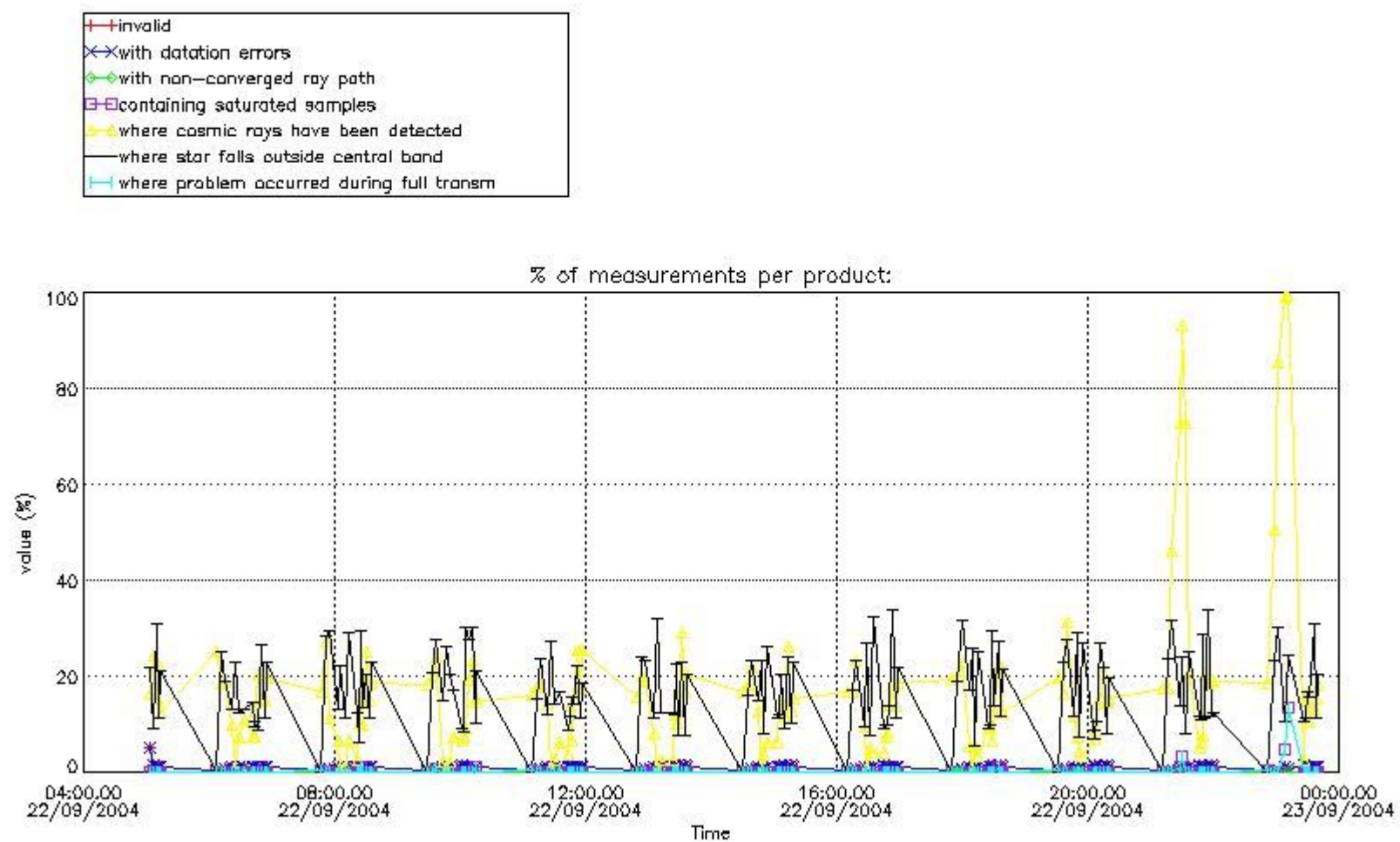


4. Level 1 quality information per product

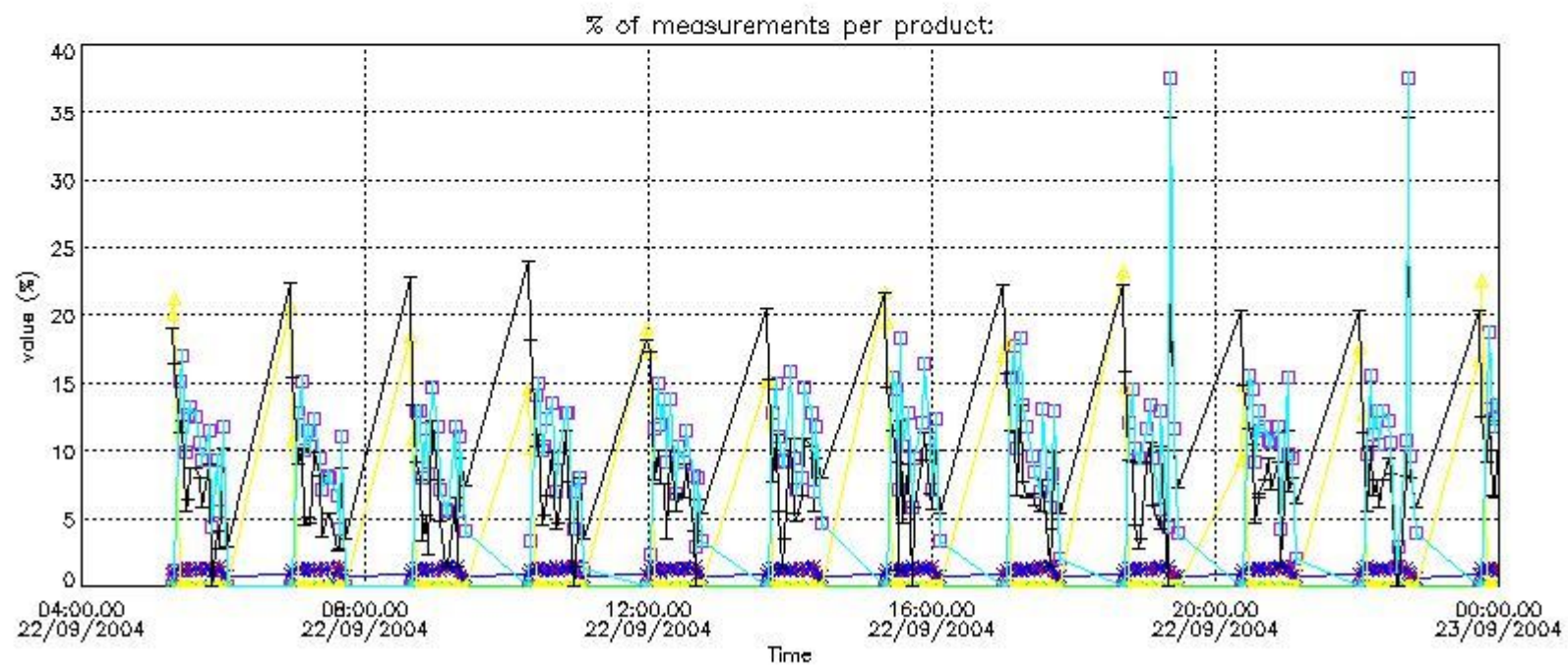
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

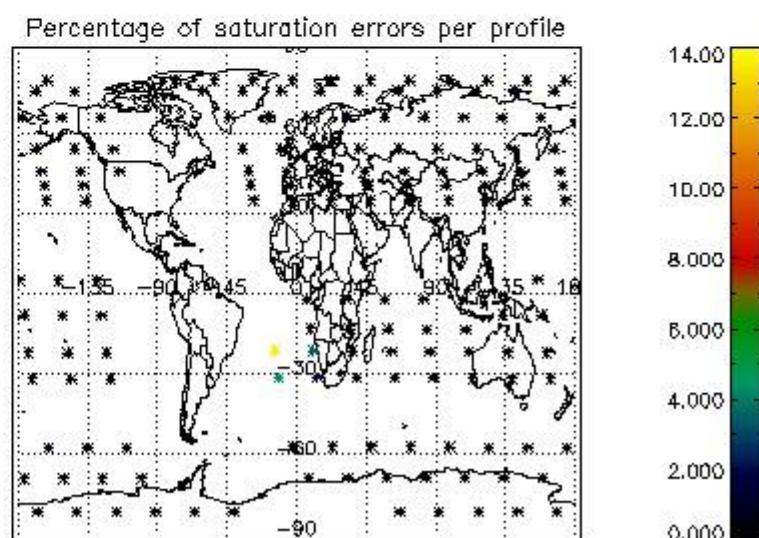
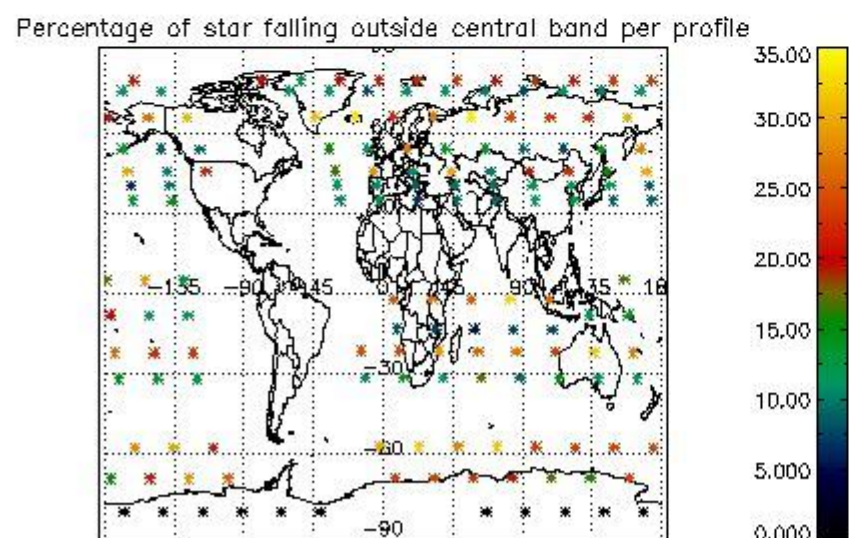
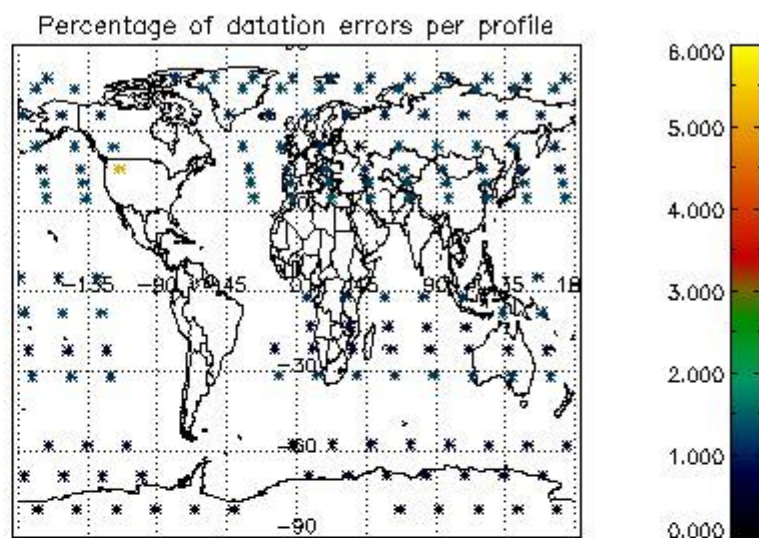
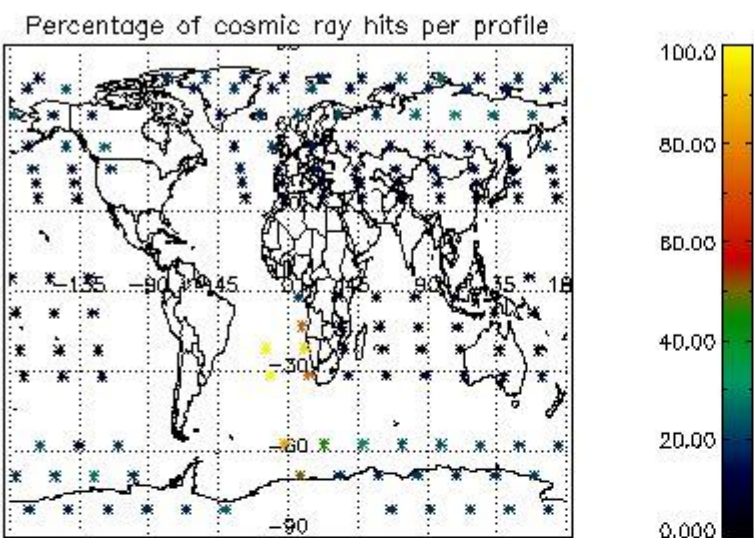


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



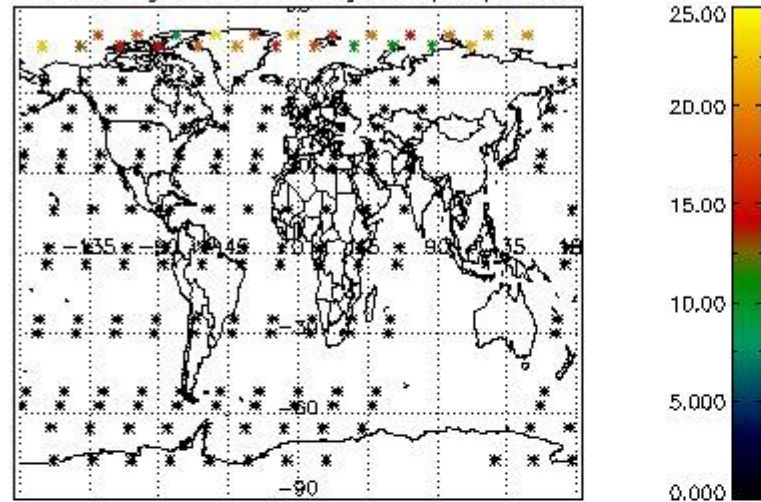
4.2 Plot quality information per product coming from level 1b processing (world map)

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

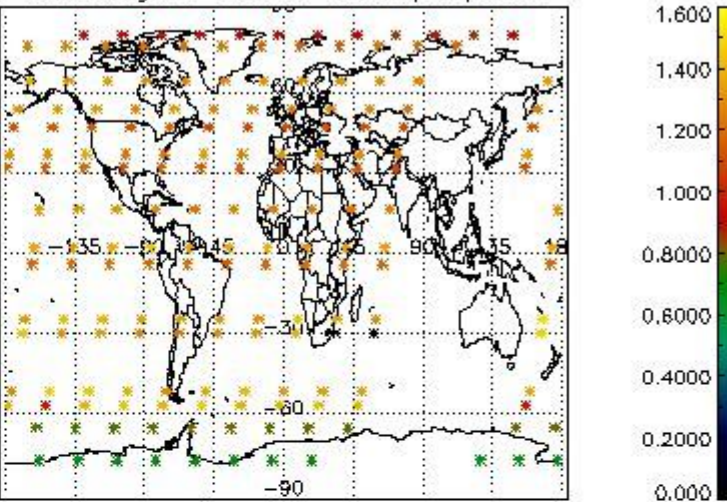


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

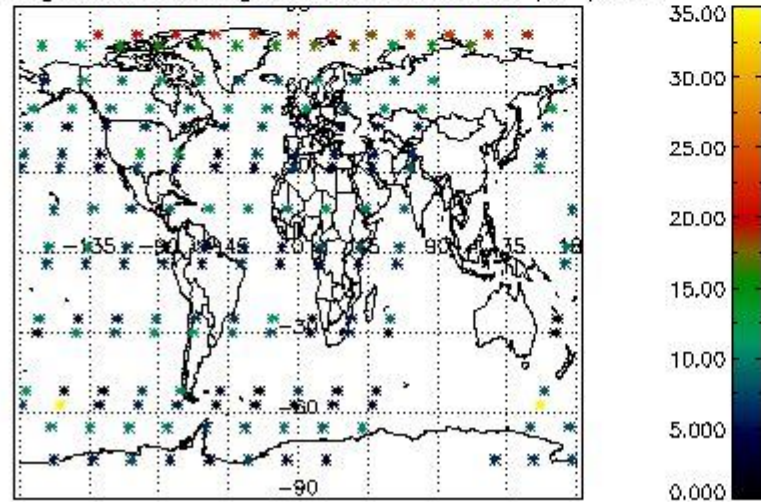
Percentage of cosmic ray hits per profile



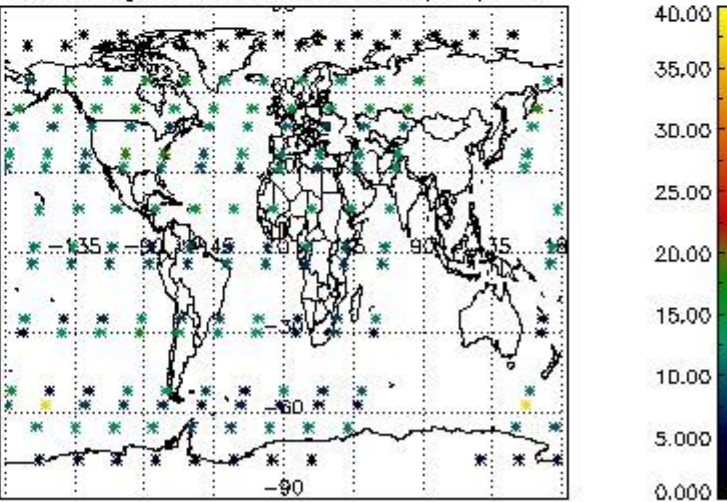
Percentage of datation errors per profile



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

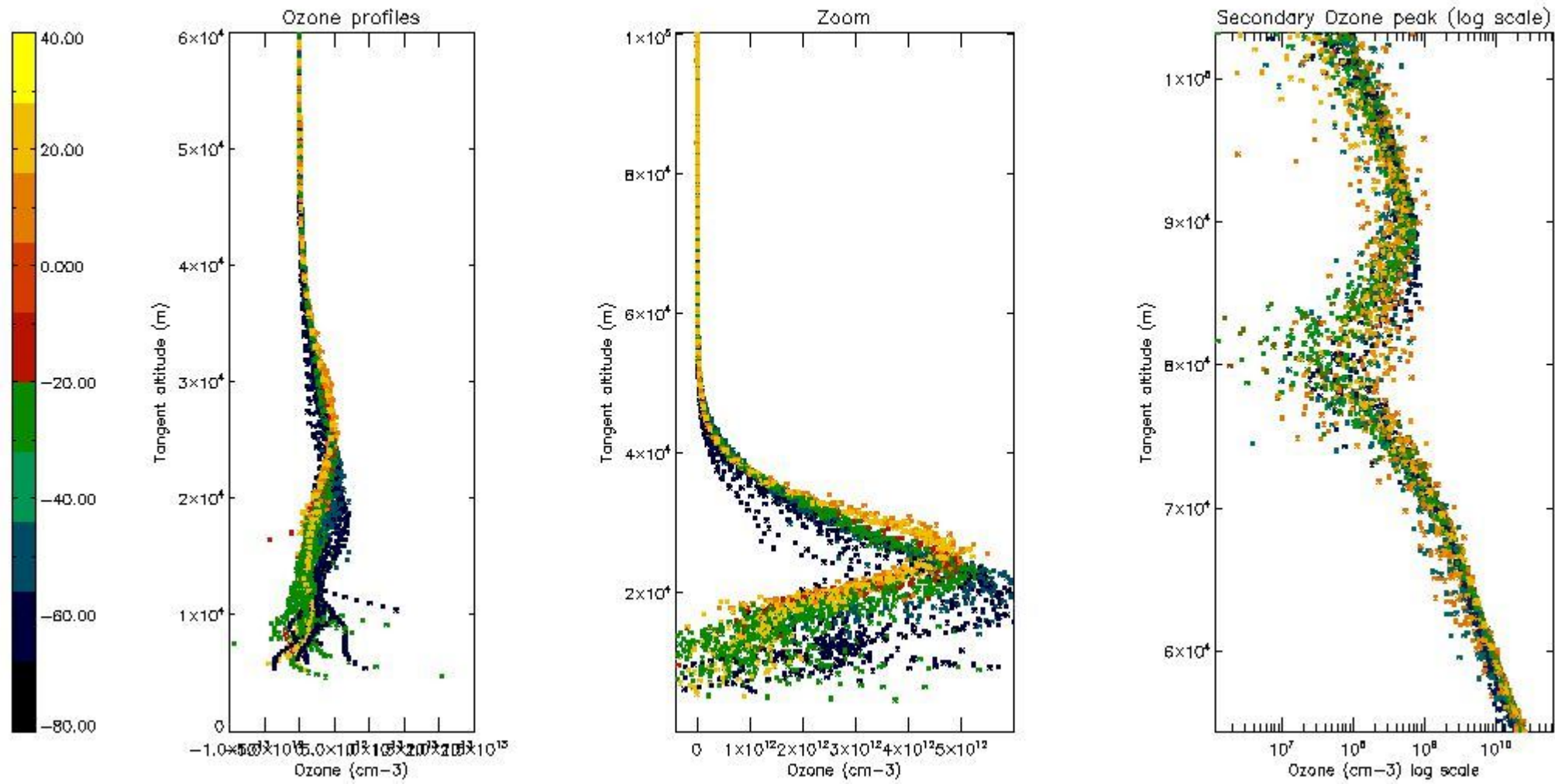
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

| Criteria | % of total production |
|----------|-----------------------|
| All STD | 24 |
| STD < 20 | 16 |

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

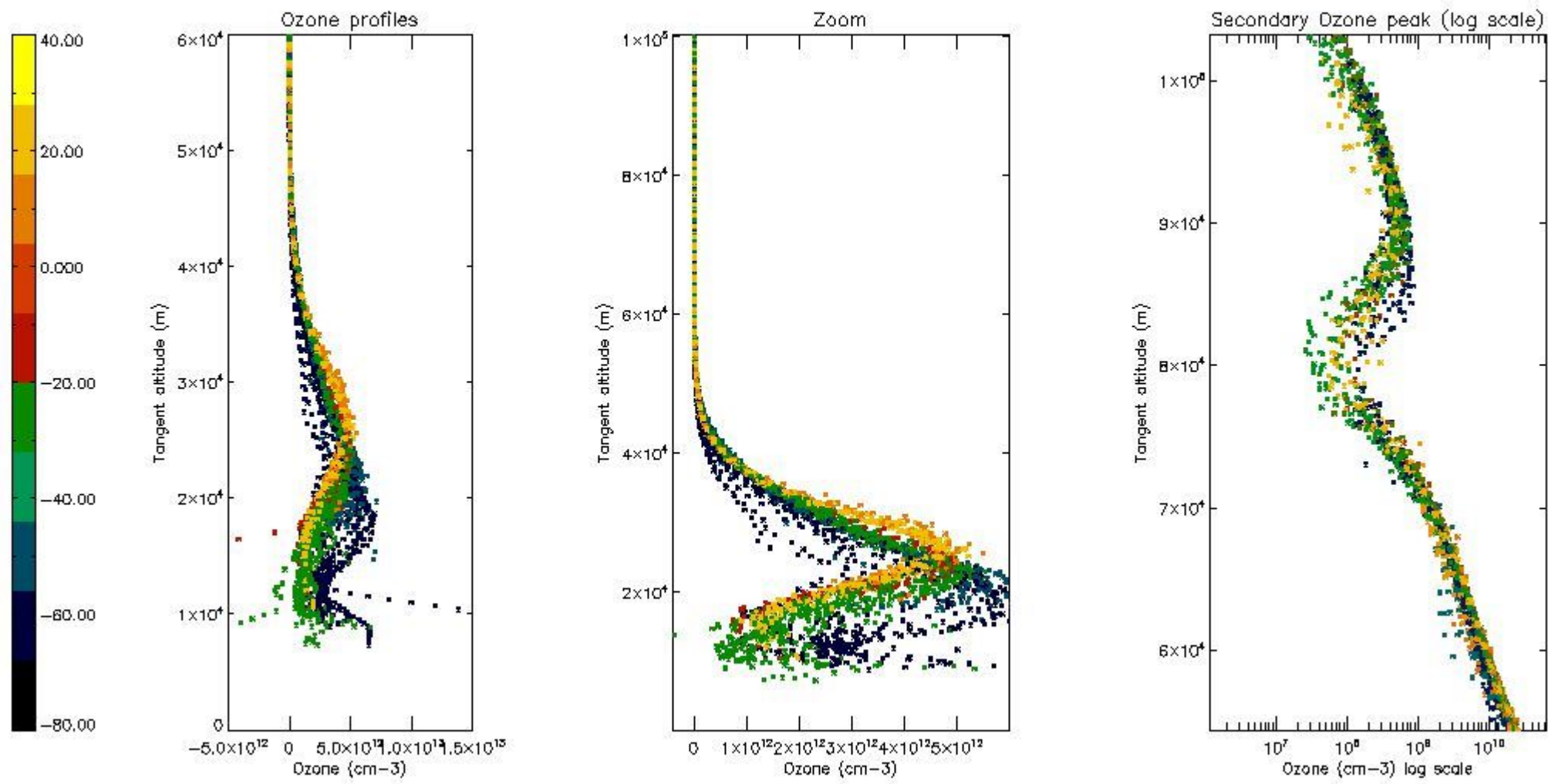
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



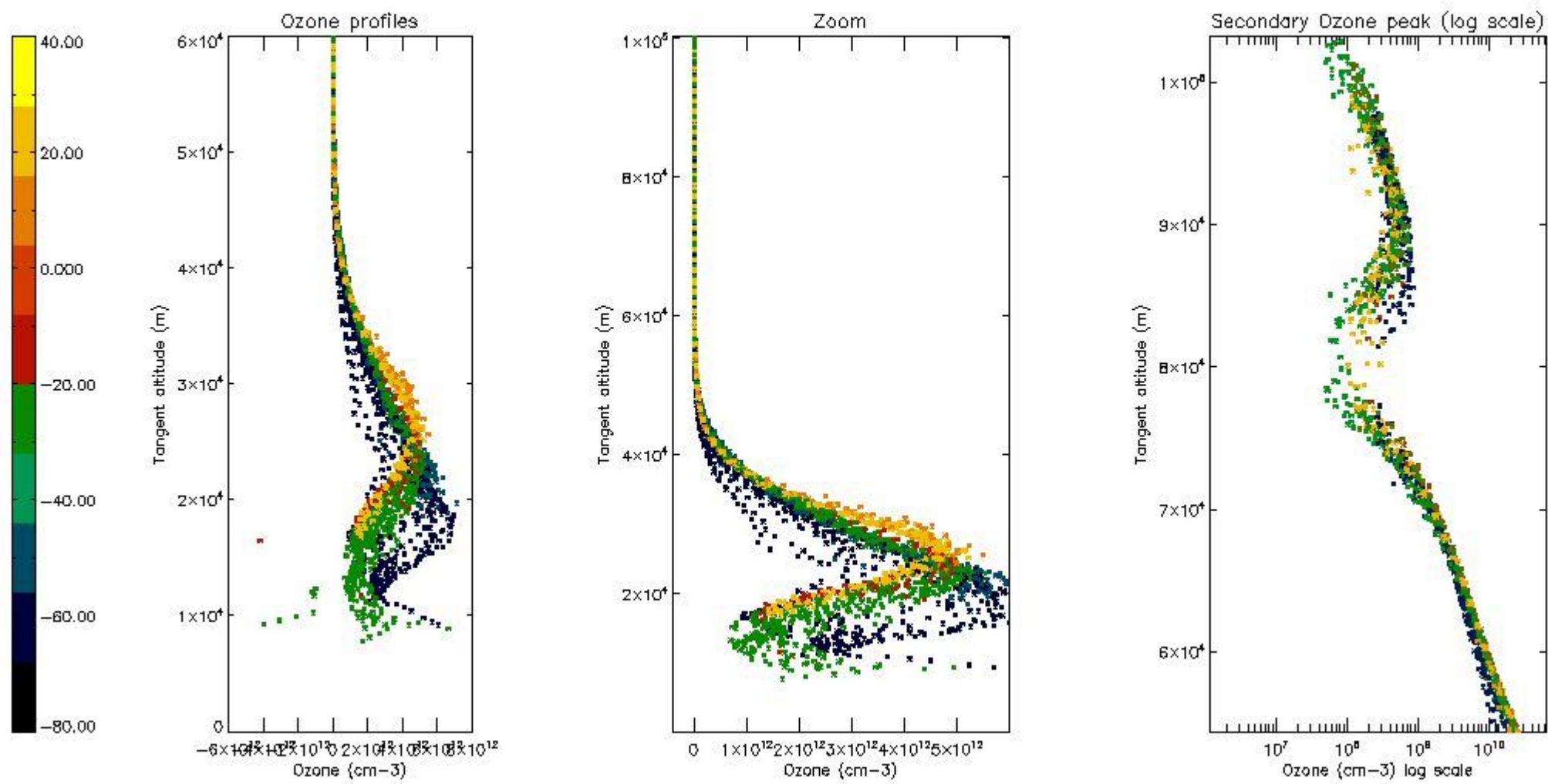
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



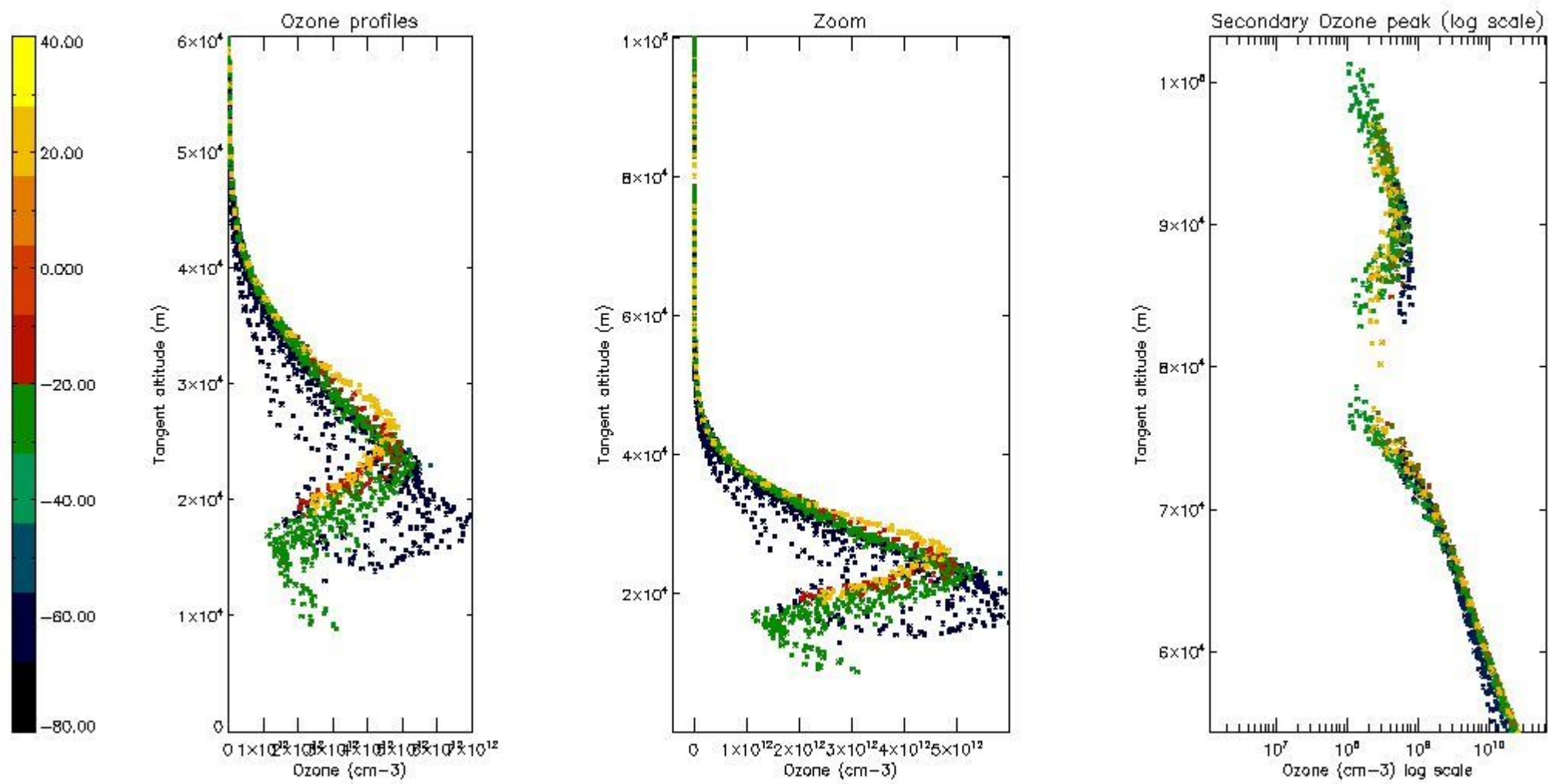
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



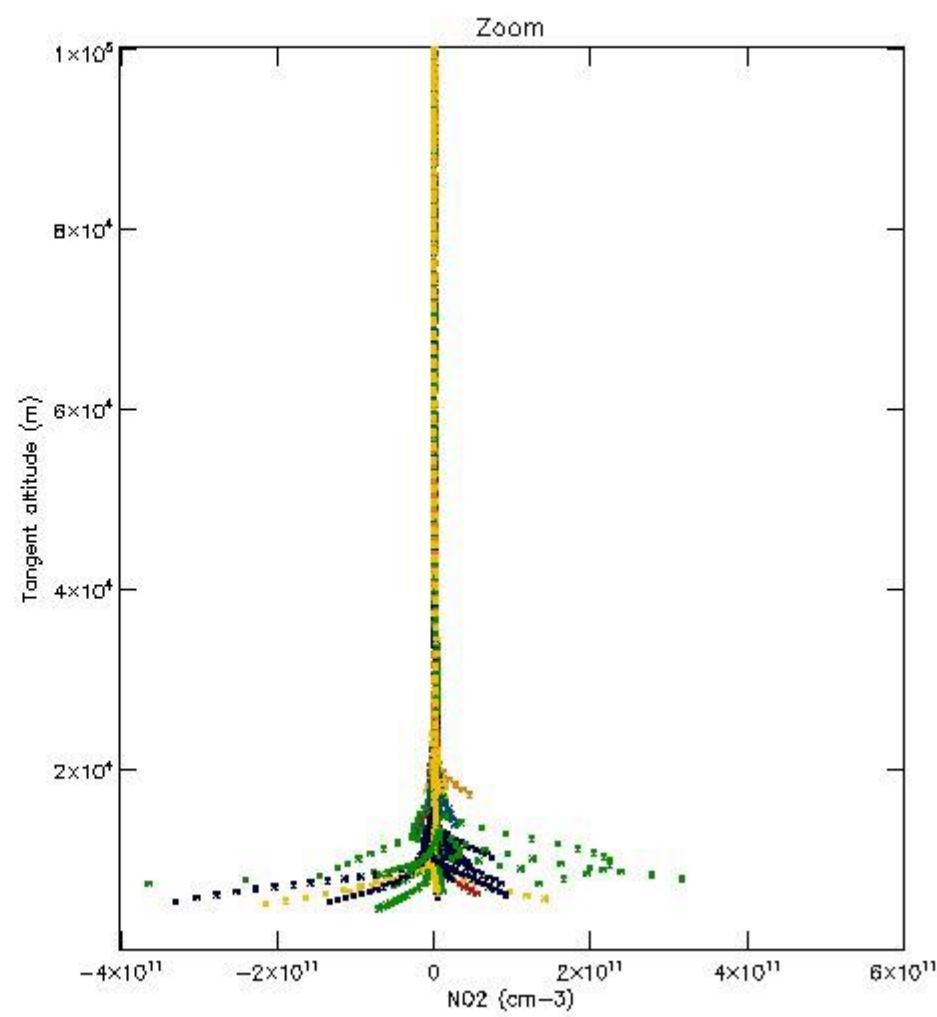
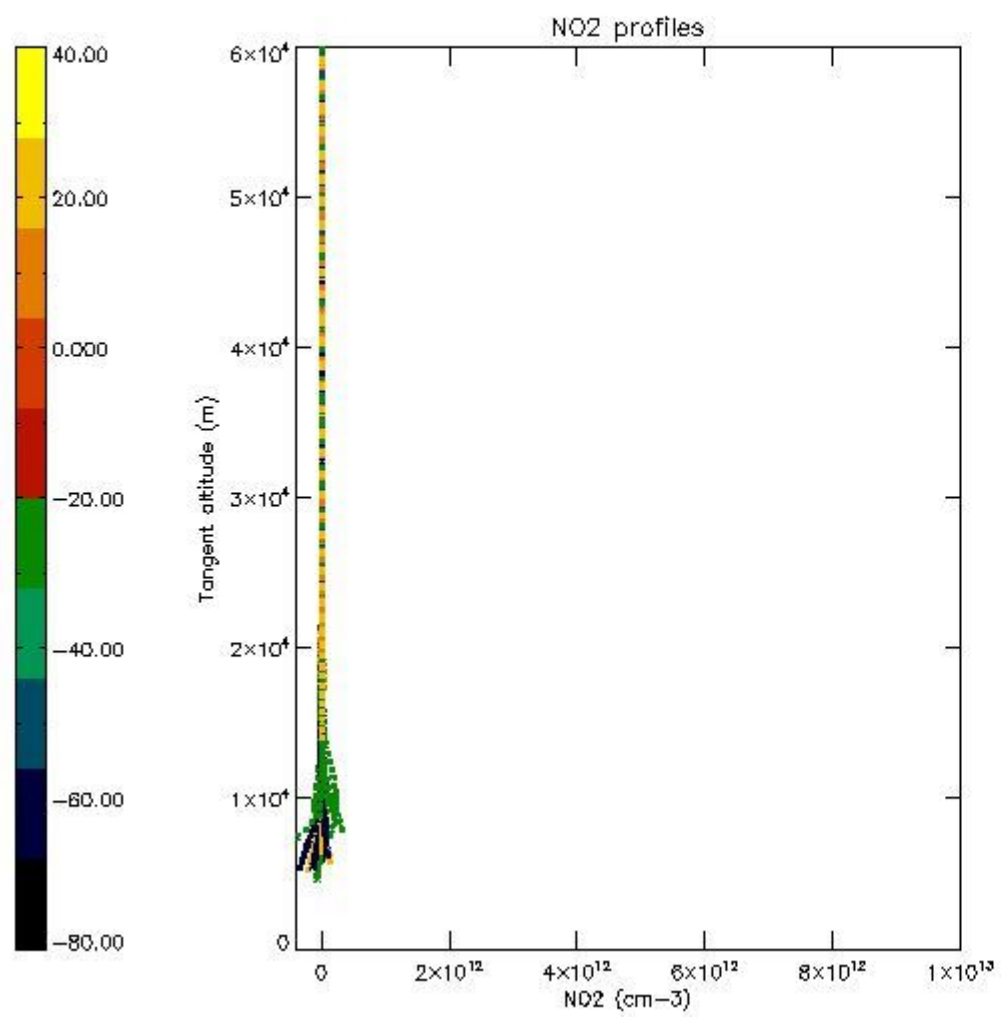
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



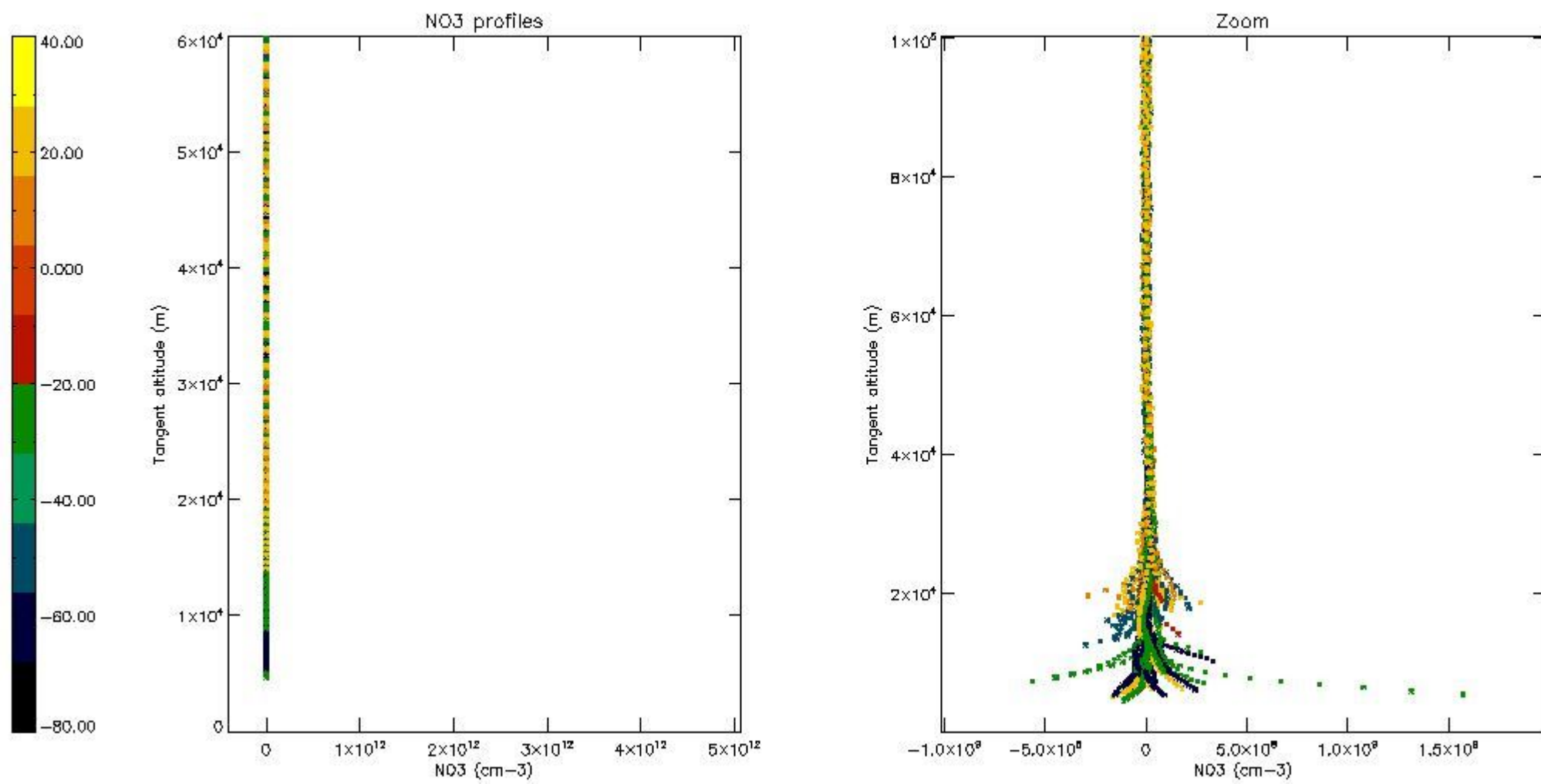
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



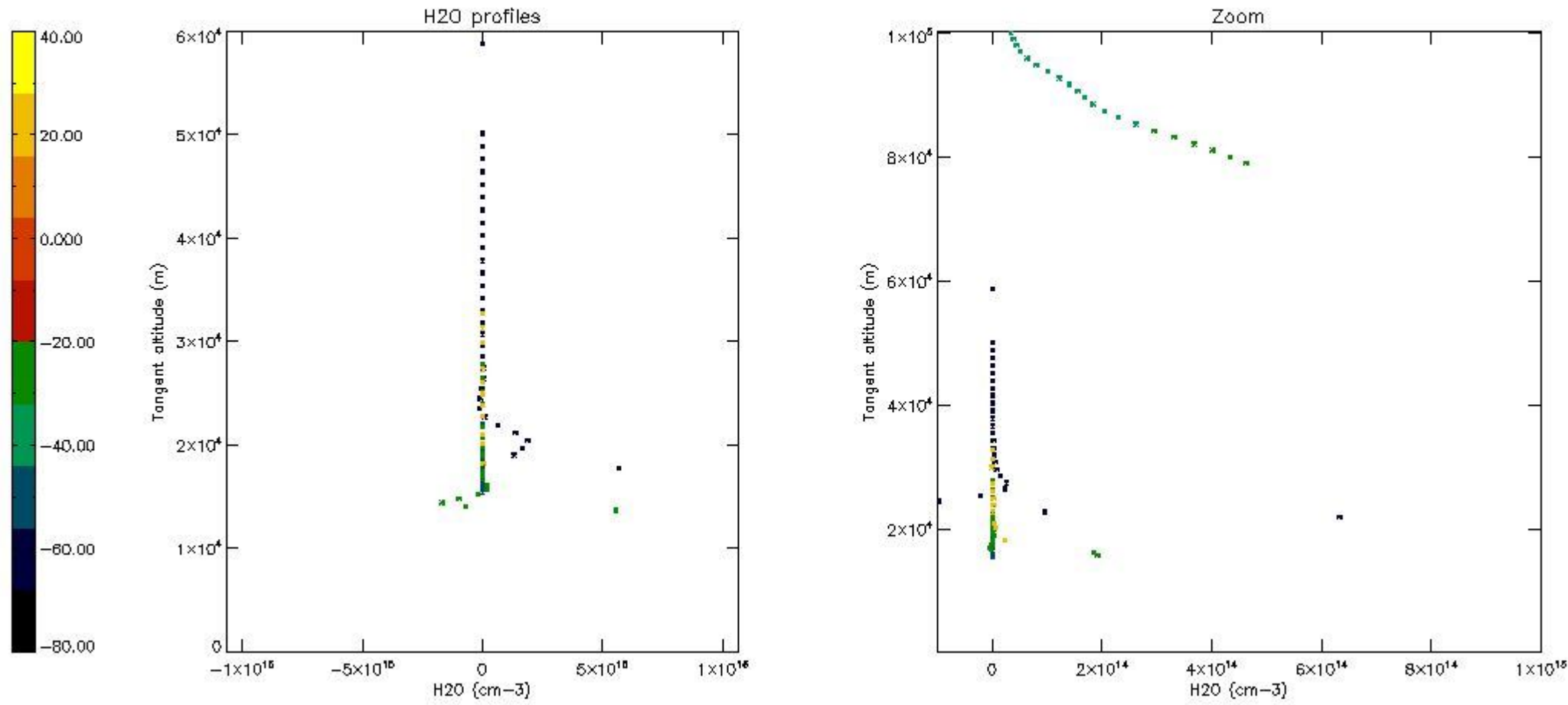
5.7 Plot NO₃ profiles for all STD (dark without errors)

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 | 22-SEP-2004 05:03:26 |
| LEVEL-2_PROC_CONFIG | GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000 | 1 | 22-SEP-2004 05:03:26 |
| CROSS_SECTIONS_FILE | GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000 | 1 | 22-SEP-2004 05:03:26 |

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[3.2 Plot of level 2 quality information per product \(world map\)](#)

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[4.2.1 Plot of level 1 quality information per product \(world map\): ASCENDING](#)

[4.2.2 Plot of level 1 quality information per product \(world map\): DESCENDING](#)

[5. Ozone profiles based on quality statistics and other trace gas profiles](#)

[5.1 Ozone statistics based on quality of products](#)

[5.2 Plot ozone profiles for all STD \(dark without errors\)](#)

[5.3 Plot ozone profiles where STD < 20% \(dark without errors\)](#)

[5.4. Plot ozone profiles where STD < 10% \(dark without errors\)](#)

[5.5. Plot ozone profiles where STD < 5% \(dark without errors\)](#)

[5.6 Plot NO2 profiles for all STD \(dark without errors\)](#)

[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](#)

[6. Auxiliary Data Files used for the production reported in section 2](#)

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 | 19APR2013 11:34:32 |
| Data source version | GOMOS/6.01 |
| Start time of products | 22-09-2004 (22SEP2004 00:00:00) |
| Stop time of products | 23-09-2004 (23SEP2004 00:00:00) |
| Store outputs in DB | Yes |
| Nb of level 2 prods | 339 |
| 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__2PRFIN20040922_050326_000000492030_00320_13400_4287.N1 | 22-SEP-2004 05:03:26 | Dark | 48.500 | 9 | Alp Eri | 0.45300 | 24000. | 97 | 13400 | No |
| 2 | GOM_NL__2PRFIN20040922_050553_000000392030_00320_13400_4288.N1 | 22-SEP-2004 05:05:53 | Straylight | 39.000 | 148 | Alp Tuc | 2.8780 | 4100.0 | 78 | 13400 | No |
| 3 | GOM_NL__2PRFIN20040922_050921_000000522030_00320_13400_4289.N1 | 22-SEP-2004 05:09:21 | Straylight | 52.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 104 | 13400 | No |
| 4 | GOM_NL__2PRFIN20040922_051226_000000412030_00320_13400_4290.N1 | 22-SEP-2004 05:12:26 | Straylight | 40.500 | 172 | Gam Gru | 3.0030 | 13100. | 81 | 13400 | No |
| 5 | GOM_NL__2PRFIN20040922_051356_000000452030_00320_13400_4291.N1 | 22-SEP-2004 05:13:56 | Straylight | 45.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 90 | 13400 | No |
| 6 | GOM_NL__2PRFIN20040922_051618_000000552030_00320_13400_4292.N1 | 22-SEP-2004 05:16:18 | Tw_i_and_stray | 55.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 110 | 13400 | No |
| 7 | GOM_NL__2PRFIN20040922_051826_000000432030_00320_13400_4293.N1 | 22-SEP-2004 05:18:26 | Tw_i_and_stray | 42.500 | 142 | 49Del Cap | 2.8500 | 8900.0 | 85 | 13400 | No |
| 8 | GOM_NL__2PRFIN20040922_052236_000000402030_00320_13400_4294.N1 | 22-SEP-2004 05:22:36 | Bright | 39.500 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 79 | 13400 | No |
| 9 | GOM_NL__2PRFIN20040922_052539_000000412030_00320_13400_4295.N1 | 22-SEP-2004 05:25:39 | Bright | 41.000 | 61 | 8Eps Peg | 2.1000 | 3900.0 | 82 | 13400 | No |
| 10 | GOM_NL__2PRFIN20040922_052739_000000462030_00320_13400_4296.N1 | 22-SEP-2004 05:27:39 | Bright | 45.500 | 140 | 88Gam Peg | 2.8340 | 26000. | 91 | 13400 | No |
| 11 | GOM_NL__2PRFIN20040922_053031_000000402030_00320_13400_4297.N1 | 22-SEP-2004 05:30:31 | Bright | 39.500 | 93 | 53Bet Peg | 2.5200 | 3100.0 | 79 | 13400 | No |
| 12 | GOM_NL__2PRFIN20040922_053159_000000462030_00320_13400_4298.N1 | 22-SEP-2004 05:31:59 | Bright | 45.500 | 58 | 21Alp And | 2.0730 | 11000. | 91 | 13400 | No |
| 13 | GOM_NL__2PRFIN20040922_053614_000000402030_00320_13400_4299.N1 | 22-SEP-2004 05:36:14 | Bright | 40.000 | 19 | 50Alp Cyg | 1.2460 | 10500. | 80 | 13400 | No |
| 14 | GOM_NL__2PRFIN20040922_054018_000000382030_00320_13400_4300.N1 | 22-SEP-2004 05:40:18 | Bright | 37.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 75 | 13400 | No |
| 15 | GOM_NL__2PRFIN20040922_054203_000000432030_00320_13400_4301.N1 | 22-SEP-2004 05:42:03 | Bright | 43.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 86 | 13400 | No |
| 16 | GOM_NL__2PRFIN20040922_054747_000000392030_00320_13400_4302.N1 | 22-SEP-2004 05:47:47 | Bright | 39.000 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 78 | 13400 | No |
| 17 | GOM_NL__2PRFIN20040922_054914_000000352030_00320_13400_4303.N1 | 22-SEP-2004 05:49:14 | Bright | 34.500 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 69 | 13400 | No |
| 18 | GOM_NL__2PRFIN20040922_055525_000000382030_00320_13400_4304.N1 | 22-SEP-2004 05:55:25 | Bright | 37.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 75 | 13400 | No |
| 19 | GOM_NL__2PRFIN20040922_055654_000000362030_00320_13400_4305.N1 | 22-SEP-2004 05:56:54 | Bright | 36.000 | 82 | 48Bet UMa | 2.3650 | 10600. | 72 | 13400 | No |
| 20 | GOM_NL__2PRFIN20040922_055929_000000642030_00320_13400_4306.N1 | 22-SEP-2004 05:59:29 | Bright | 63.500 | 42 | 34Bet Aur | 1.9000 | 10200. | 127 | 13400 | No |
| 21 | GOM_NL__2PRFIN20040922_060321_000000702030_00320_13400_4307.N1 | 22-SEP-2004 06:03:21 | Bright | 70.000 | 107 | 37The Aur | 2.6490 | 11000. | 140 | 13400 | No |
| 22 | GOM_NL__2PRFIN20040922_060626_000002552030_00320_13400_4308.N1 | 22-SEP-2004 06:06:26 | Tw_i_and_stray | 255.00 | 114 | 3Iot Aur | 2.6930 | 4600.0 | 510 | 13400 | No |
| 23 | GOM_NL__2PRFIN20040922_061129_000001082030_00320_13400_4309.N1 | 22-SEP-2004 06:11:29 | Straylight | 107.50 | 151 | 13Mu Gem | 2.8900 | 3000.0 | 215 | 13400 | No |
| 24 | GOM_NL__2PRFIN20040922_061455_000000642030_00320_13400_4310.N1 | 22-SEP-2004 06:14:55 | Dark | 63.500 | 8 | 10Alp CMi | 0.40000 | 6500.0 | 127 | 13400 | No |
| 25 | GOM_NL__2PRFIN20040922_062217_000000462030_00320_13400_4311.N1 | 22-SEP-2004 06:22:17 | Dark | 46.000 | 132 | 15Rho Pup | 2.8030 | 6900.0 | 92 | 13400 | No |
| 26 | GOM_NL__2PRFIN20040922_062501_000000722030_00320_13400_4312.N1 | 22-SEP-2004 06:25:01 | Dark | 72.000 | 1 | 9Alp CMa | -1.4400 | 11000. | 144 | 13400 | No |
| 27 | GOM_NL__2PRFIN20040922_062859_000000412030_00320_13400_4313.N1 | 22-SEP-2004 06:28:59 | Dark | 41.000 | 46 | Del Vel | 1.9540 | 10600. | 82 | 13400 | No |
| 28 | GOM_NL__2PRFIN20040922_063237_000000462030_00321_13401_4287.N1 | 22-SEP-2004 06:32:37 | Dark | 45.500 | 2 | Alp Car | -0.73600 | 7000.0 | 91 | 13401 | No |
| 29 | GOM_NL__2PRFIN20040922_064100_000000412030_00321_13401_4288.N1 | 22-SEP-2004 06:41:00 | Dark | 41.000 | 135 | Bet Hyi | 2.8200 | 5800.0 | 82 | 13401 | No |
| 30 | GOM_NL__2PRFIN20040922_064235_000000422030_00321_13401_4289.N1 | 22-SEP-2004 06:42:35 | Dark | 42.000 | 143 | Alp Hyi | 2.8570 | 7200.0 | 84 | 13401 | No |
| 31 | GOM_NL__2PRFIN20040922_064402_000000432030_00321_13401_4290.N1 | 22-SEP-2004 06:44:02 | Dark | 43.000 | 9 | Alp Eri | 0.45300 | 24000. | 86 | 13401 | No |
| 32 | GOM_NL__2PRFIN20040922_064629_000000402030_00321_13401_4291.N1 | 22-SEP-2004 06:46:29 | Straylight | 39.500 | 148 | Alp Tuc | 2.8780 | 4100.0 | 79 | 13401 | No |
| 33 | GOM_NL__2PRFIN20040922_064957_000000492030_00321_13401_4292.N1 | 22-SEP-2004 06:49:57 | Straylight | 49.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 98 | 13401 | No |
| 34 | GOM_NL__2PRFIN20040922_065302_000000402030_00321_13401_4293.N1 | 22-SEP-2004 06:53:02 | Straylight | 40.000 | 172 | Gam Gru | 3.0030 | 13100. | 80 | 13401 | No |
| 35 | GOM_NL__2PRFIN20040922_065433_000000462030_00321_13401_4294.N1 | 22-SEP-2004 06:54:33 | Straylight | 45.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 91 | 13401 | No |
| 36 | GOM_NL__2PRFIN20040922_065654_000000582030_00321_13401_4295.N1 | 22-SEP-2004 06:56:54 | Tw_i_and_stray | 58.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 116 | 13401 | No |
| 37 | GOM_NL__2PRFIN20040922_065903_000000422030_00321_13401_4296.N1 | 22-SEP-2004 06:59:03 | Tw_i_and_stray | 42.000 | 142 | 49Del Cap | 2.8500 | 8900.0 | 84 | 13401 | No |
| 38 | GOM_NL__2PRFIN20040922_070312_000000392030_00321_13401_4297.N1 | 22-SEP-2004 07:03:12 | Bright | 39.000 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 78 | 13401 | No |
| 39 | GOM_NL__2PRFIN20040922_070615_000000402030_00321_13401_4298.N1 | 22-SEP-2004 07:06:15 | Bright | 39.500 | 61 | 8Eps Peg | 2.1000 | 3900.0 | 79 | 13401 | No |
| 40 | GOM_NL__2PRFIN20040922_070815_000000452030_00321_13401_4299.N1 | 22-SEP-2004 07:08:15 | Bright | 45.000 | 140 | 88Gam Peg | 2.8340 | 26000. | 90 | 13401 | No |
| 41 | GOM_NL__2PRFIN20040922_071107_000000392030_00321_13401_4300.N1 | 22-SEP-2004 07:11:07 | Bright | 39.000 | 93 | 53Bet Peg | 2.5200 | 3100.0 | 78 | 13401 | No |
| 42 | GOM_NL__2PRFIN20040922_071235_000000442030_00321_13401_4301.N1 | 22-SEP-2004 07:12:35 | Bright | 43.500 | 58 | 21Alp And | 2.0730 | 11000. | 87 | 13401 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|---------------|--------|-----|-----------|---------|--------|-----|-------|----|
| 161 | GOM_NL__2PRFIN20040922_135456_000000442030_00325_13405_4321.N1 | 22-SEP-2004 13:54:56 | Bright | 43.500 | 58 | 21Alp And | 2.0730 | 11000. | 87 | 13405 | No |
| 162 | GOM_NL__2PRFIN20040922_135915_000000412030_00325_13405_4322.N1 | 22-SEP-2004 13:59:15 | Bright | 41.000 | 19 | 50Alp Cyg | 1.2460 | 10500. | 82 | 13405 | No |
| 163 | GOM_NL__2PRFIN20040922_140318_000000372030_00325_13405_4323.N1 | 22-SEP-2004 14:03:18 | Bright | 37.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 74 | 13405 | No |
| 164 | GOM_NL__2PRFIN20040922_140500_000000422030_00325_13405_4324.N1 | 22-SEP-2004 14:05:00 | Bright | 42.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 84 | 13405 | No |
| 165 | GOM_NL__2PRFIN20040922_141047_000000382030_00325_13405_4325.N1 | 22-SEP-2004 14:10:47 | Bright | 37.500 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 75 | 13405 | No |
| 166 | GOM_NL__2PRFIN20040922_141214_000000412030_00325_13405_4326.N1 | 22-SEP-2004 14:12:14 | Bright | 41.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 82 | 13405 | No |
| 167 | GOM_NL__2PRFIN20040922_141826_000000392030_00325_13405_4327.N1 | 22-SEP-2004 14:18:26 | Bright | 39.000 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 78 | 13405 | No |
| 168 | GOM_NL__2PRFIN20040922_141955_000000362030_00325_13405_4328.N1 | 22-SEP-2004 14:19:55 | Bright | 36.000 | 82 | 48Bet UMa | 2.3650 | 10600. | 72 | 13405 | No |
| 169 | GOM_NL__2PRFIN20040922_142226_000000642030_00325_13405_4329.N1 | 22-SEP-2004 14:22:26 | Bright | 63.500 | 42 | 34Bet Aur | 1.9000 | 10200. | 127 | 13405 | No |
| 170 | GOM_NL__2PRFIN20040922_142620_000000752030_00325_13405_4330.N1 | 22-SEP-2004 14:26:20 | Bright | 74.500 | 107 | 37The Aur | 2.6490 | 11000. | 149 | 13405 | No |
| 171 | GOM_NL__2PRFIN20040922_142927_000002552030_00325_13405_4331.N1 | 22-SEP-2004 14:29:27 | Twi_and_stray | 255.00 | 114 | 3lot Aur | 2.6930 | 4600.0 | 510 | 13405 | No |
| 172 | GOM_NL__2PRFIN20040922_143434_000000972030_00325_13405_4332.N1 | 22-SEP-2004 14:34:34 | Straylight | 97.000 | 151 | 13Mu Gem | 2.8900 | 3000.0 | 194 | 13405 | No |
| 173 | GOM_NL__2PRFIN20040922_143758_000000672030_00325_13405_4333.N1 | 22-SEP-2004 14:37:58 | Dark | 66.500 | 8 | 10Alp CMi | 0.40000 | 6500.0 | 133 | 13405 | No |
| 174 | GOM_NL__2PRFIN20040922_144520_000000472030_00325_13405_4334.N1 | 22-SEP-2004 14:45:20 | Dark | 46.500 | 132 | 15Rho Pup | 2.8030 | 6900.0 | 93 | 13405 | No |
| 175 | GOM_NL__2PRFIN20040922_144807_000000732030_00325_13405_4335.N1 | 22-SEP-2004 14:48:07 | Dark | 73.000 | 1 | 9Alp CMa | -1.4400 | 11000. | 146 | 13405 | No |
| 176 | GOM_NL__2PRFIN20040922_145027_000000692030_00325_13405_4336.N1 | 22-SEP-2004 14:50:27 | Dark | 68.500 | 47 | 2Bet CMa | 1.9760 | 28000. | 137 | 13405 | No |
| 177 | GOM_NL__2PRFIN20040922_145335_000000482030_00325_13405_4337.N1 | 22-SEP-2004 14:53:35 | Dark | 47.500 | 41 | Eps Car | 1.8600 | 4100.0 | 95 | 13405 | No |
| 178 | GOM_NL__2PRFIN20040922_150401_000000402030_00326_13406_4308.N1 | 22-SEP-2004 15:04:01 | Dark | 39.500 | 135 | Bet Hyi | 2.8200 | 5800.0 | 79 | 13406 | No |
| 179 | GOM_NL__2PRFIN20040922_150538_000000422030_00326_13406_4309.N1 | 22-SEP-2004 15:05:38 | Dark | 41.500 | 143 | Alp Hyi | 2.8570 | 7200.0 | 83 | 13406 | No |
| 180 | GOM_NL__2PRFIN20040922_150705_000000472030_00326_13406_4310.N1 | 22-SEP-2004 15:07:05 | Dark | 46.500 | 9 | Alp Eri | 0.45300 | 24000. | 93 | 13406 | No |
| 181 | GOM_NL__2PRFIN20040922_150929_000000392030_00326_13406_4311.N1 | 22-SEP-2004 15:09:29 | Straylight | 38.500 | 148 | Alp Tuc | 2.8780 | 4100.0 | 77 | 13406 | No |
| 182 | GOM_NL__2PRFIN20040922_151259_000000462030_00326_13406_4312.N1 | 22-SEP-2004 15:12:59 | Straylight | 46.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 92 | 13406 | No |
| 183 | GOM_NL__2PRFIN20040922_151603_000000392030_00326_13406_4313.N1 | 22-SEP-2004 15:16:03 | Straylight | 39.000 | 172 | Gam Gru | 3.0030 | 13100. | 78 | 13406 | No |
| 184 | GOM_NL__2PRFIN20040922_151734_000000462030_00326_13406_4314.N1 | 22-SEP-2004 15:17:34 | Straylight | 45.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 91 | 13406 | No |
| 185 | GOM_NL__2PRFIN20040922_151955_000000562030_00326_13406_4315.N1 | 22-SEP-2004 15:19:55 | Twi_and_stray | 55.500 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 111 | 13406 | No |
| 186 | GOM_NL__2PRFIN20040922_152203_000000412030_00326_13406_4316.N1 | 22-SEP-2004 15:22:03 | Twi_and_stray | 41.000 | 142 | 49Del Cap | 2.8500 | 8900.0 | 82 | 13406 | No |
| 187 | GOM_NL__2PRFIN20040922_152613_000000392030_00326_13406_4317.N1 | 22-SEP-2004 15:26:13 | Bright | 39.000 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 78 | 13406 | No |
| 188 | GOM_NL__2PRFIN20040922_152917_000000382030_00326_13406_4318.N1 | 22-SEP-2004 15:29:17 | Bright | 38.000 | 61 | 8Eps Peg | 2.1000 | 3900.0 | 76 | 13406 | No |
| 189 | GOM_NL__2PRFIN20040922_153113_000000432030_00326_13406_4319.N1 | 22-SEP-2004 15:31:13 | Bright | 42.500 | 140 | 88Gam Peg | 2.8340 | 26000. | 85 | 13406 | No |
| 190 | GOM_NL__2PRFIN20040922_153407_000000412030_00326_13406_4320.N1 | 22-SEP-2004 15:34:07 | Bright | 41.000 | 93 | 53Bet Peg | 2.5200 | 3100.0 | 82 | 13406 | No |
| 191 | GOM_NL__2PRFIN20040922_153532_000000442030_00326_13406_4321.N1 | 22-SEP-2004 15:35:32 | Bright | 43.500 | 58 | 21Alp And | 2.0730 | 11000. | 87 | 13406 | No |
| 192 | GOM_NL__2PRFIN20040922_153953_000000392030_00326_13406_4322.N1 | 22-SEP-2004 15:39:53 | Bright | 39.000 | 19 | 50Alp Cyg | 1.2460 | 10500. | 78 | 13406 | No |
| 193 | GOM_NL__2PRFIN20040922_154355_000000352030_00326_13406_4323.N1 | 22-SEP-2004 15:43:55 | Bright | 34.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 69 | 13406 | No |
| 194 | GOM_NL__2PRFIN20040922_154536_000000432030_00326_13406_4324.N1 | 22-SEP-2004 15:45:36 | Bright | 42.500 | 76 | 27Gam Cas | 2.3000 | 30000. | 85 | 13406 | No |
| 195 | GOM_NL__2PRFIN20040922_155124_000000382030_00326_13406_4325.N1 | 22-SEP-2004 15:51:24 | Bright | 37.500 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 75 | 13406 | No |
| 196 | GOM_NL__2PRFIN20040922_155252_000000402030_00326_13406_4326.N1 | 22-SEP-2004 15:52:52 | Bright | 39.500 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 79 | 13406 | No |
| 197 | GOM_NL__2PRFIN20040922_155903_000000372030_00326_13406_4327.N1 | 22-SEP-2004 15:59:03 | Bright | 36.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 73 | 13406 | No |
| 198 | GOM_NL__2PRFIN20040922_160032_000000352030_00326_13406_4328.N1 | 22-SEP-2004 16:00:32 | Bright | 35.000 | 82 | 48Bet UMa | 2.3650 | 10600. | 70 | 13406 | No |
| 199 | GOM_NL__2PRFIN20040922_160301_000000652030_00326_13406_4329.N1 | 22-SEP-2004 16:03:01 | Bright | 64.500 | 42 | 34Bet Aur | 1.9000 | 10200. | 129 | 13406 | No |
| 200 | GOM_NL__2PRFIN20040922_160654_000000752030_00326_13406_4330.N1 | 22-SEP-2004 16:06:54 | Bright | 74.500 | 107 | 37The Aur | 2.6490 | 11000. | 149 | 13406 | No |
| 201 | GOM_NL__2PRFIN20040922_161003_000002552030_00326_13406_4331.N1 | 22-SEP-2004 16:10:03 | Twi_and_stray | 255.00 | 114 | 3lot Aur | 2.6930 | 4600.0 | 510 | 13406 | No |
| 202 | GOM_NL__2PRFIN20040922_161510_000000992030_00326_13406_4332.N1 | 22-SEP-2004 16:15:10 | Straylight | 99.000 | 151 | 13Mu Gem | 2.8900 | 3000.0 | 198 | 13406 | No |
| 203 | GOM_NL__2PRFIN20040922_161838_000000622030_00326_13406_4333.N1 | 22-SEP-2004 16:18:38 | Dark | 62.000 | 8 | 10Alp CMi | 0.40000 | 6500.0 | 124 | 13406 | No |
| 204 | GOM_NL__2PRFIN20040922_162558_000000432030_00326_13406_4334.N1 | 22-SEP-2004 16:25:58 | Dark | 42.500 | 132 | 15Rho Pup | 2.8030 | 6900.0 | 85 | 13406 | No |
| 205 | GOM_NL__2PRFIN20040922_162845_000000762030_00326_13406_4335.N1 | 22-SEP-2004 16:28:45 | Dark | 76.000 | 1 | 9Alp CMa | -1.4400 | 11000. | 152 | 13406 | No |
| 206 | GOM_NL__2PRFIN20040922_163106_000000672030_00326_13406_4336.N1 | 22-SEP-2004 16:31:06 | Dark | 66.500 | 47 | 2Bet CMa | 1.9760 | 28000. | 133 | 13406 | No |
| 207 | GOM_NL__2PRFIN20040922_163411_000000512030_00326_13406_4337.N1 | 22-SEP-2004 16:34:11 | Dark | 51.000 | 41 | Eps Car | 1.8600 | 4100.0 | 102 | 13406 | No |
| 208 | GOM_NL__2PRFIN20040922_164437_000000382030_00327_13407_4308.N1 | 22-SEP-2004 16:44:37 | Dark | 38.000 | 135 | Bet Hyi | 2.8200 | 5800.0 | 76 | 13407 | No |
| 209 | GOM_NL__2PRFIN20040922_164614_000000412030_00327_13407_4309.N1 | 22-SEP-2004 16:46:14 | Dark | 40.500 | 143 | Alp Hyi | 2.8570 | 7200.0 | 81 | 13407 | No |
| 210 | GOM_NL__2PRFIN20040922_164741_000000412030_00327_13407_4310.N1 | 22-SEP-2004 16:47:41 | Dark | 41.000 | 9 | Alp Eri | 0.45300 | 24000. | 82 | 13407 | No |
| 211 | GOM_NL__2PRFIN20040922_165006_000000402030_00327_13407_4311.N1 | 22-SEP-2004 16:50:06 | Straylight | 40.000 | 148 | Alp Tuc | 2.8780 | 4100.0 | 80 | 13407 | No |
| 212 | GOM_NL__2PRFIN20040922_165335_000000522030_00327_13407_4312.N1 | 22-SEP-2004 16:53:35 | Straylight | 52.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 104 | 13407 | No |
| 213 | GOM_NL__2PRFIN20040922_165640_000000402030_00327_13407_4313.N1 | 22-SEP-2004 16:56:40 | Straylight | 39.500 | 172 | Gam Gru | 3.0030 | 13100. | 79 | 13407 | No |
| 214 | GOM_NL__2PRFIN20040922_165810_000000462030_00327_13407_4314.N1 | 22-SEP-2004 16:58:10 | Straylight | 45.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 91 | 13407 | No |
| 215 | GOM_NL__2PRFIN20040922_170031_000000562030_00327_13407_4315.N1 | 22-SEP-2004 17:00:31 | Twi_and_stray | 56.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 112 | 13407 | No |
| 216 | GOM_NL__2PRFIN20040922_170240_000000422030_00327_13407_4316.N1 | 22-SEP-2004 17:02:40 | Twi_and_stray | 41.500 | 142 | 49Del Cap | 2.8500 | 8900.0 | 83 | 13407 | No |
| 217 | GOM_NL__2PRFIN20040922_170649_000000392030_00327_13407_4317.N1 | 22-SEP-2004 17:06:49 | Bright | 39.000 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 78 | 13407 | No |
| 218 | GOM_NL__2PRFIN20040922_170953_000000402030_00327_13407_4318.N1 | 22-SEP-2004 17:09:53 | Bright | 39.500 | 61 | 8Eps Peg | 2.1000 | 3900.0 | 79 | 13407 | No |
| 219 | GOM_NL__2PRFIN20040922_171149_000000452030_00327_13407_4319.N1 | 22-SEP-2004 17:11:49 | Bright | 44.500 | 140 | 88Gam Peg | 2.8340 | 26000. | 89 | 13407 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|----------------|--------|-----|-----------|---------|--------|-----|-------|----|
| 220 | GOM_NL__2PRFIN20040922_171442_000000412030_00327_13407_4320.N1 | 22-SEP-2004 17:14:42 | Bright | 41.000 | 93 | 53Bet Peg | 2.5200 | 3100.0 | 82 | 13407 | No |
| 221 | GOM_NL__2PRFIN20040922_171608_000000452030_00327_13407_4321.N1 | 22-SEP-2004 17:16:08 | Bright | 45.000 | 58 | 21Alp And | 2.0730 | 11000. | 90 | 13407 | No |
| 222 | GOM_NL__2PRFIN20040922_172029_000000382030_00327_13407_4322.N1 | 22-SEP-2004 17:20:29 | Bright | 38.000 | 19 | 50Alp Cyg | 1.2460 | 10500. | 76 | 13407 | No |
| 223 | GOM_NL__2PRFIN20040922_172431_000000372030_00327_13407_4323.N1 | 22-SEP-2004 17:24:31 | Bright | 36.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 73 | 13407 | No |
| 224 | GOM_NL__2PRFIN20040922_172612_000000422030_00327_13407_4324.N1 | 22-SEP-2004 17:26:12 | Bright | 41.500 | 76 | 27Gam Cas | 2.3000 | 30000. | 83 | 13407 | No |
| 225 | GOM_NL__2PRFIN20040922_173200_000000362030_00327_13407_4325.N1 | 22-SEP-2004 17:32:00 | Bright | 36.000 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 72 | 13407 | No |
| 226 | GOM_NL__2PRFIN20040922_173328_000000382030_00327_13407_4326.N1 | 22-SEP-2004 17:33:28 | Bright | 38.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 76 | 13407 | No |
| 227 | GOM_NL__2PRFIN20040922_173940_000000352030_00327_13407_4327.N1 | 22-SEP-2004 17:39:40 | Bright | 34.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 69 | 13407 | No |
| 228 | GOM_NL__2PRFIN20040922_174108_000000362030_00327_13407_4328.N1 | 22-SEP-2004 17:41:08 | Bright | 36.000 | 82 | 48Bet UMa | 2.3650 | 10600. | 72 | 13407 | No |
| 229 | GOM_NL__2PRFIN20040922_174337_000000662030_00327_13407_4329.N1 | 22-SEP-2004 17:43:37 | Bright | 65.500 | 42 | 34Bet Aur | 1.9000 | 10200. | 131 | 13407 | No |
| 230 | GOM_NL__2PRFIN20040922_174730_000000742030_00327_13407_4330.N1 | 22-SEP-2004 17:47:30 | Bright | 73.500 | 107 | 37The Aur | 2.6490 | 11000. | 147 | 13407 | No |
| 231 | GOM_NL__2PRFIN20040922_175039_000002552030_00327_13407_4331.N1 | 22-SEP-2004 17:50:39 | Tw_i_and_stray | 255.00 | 114 | 3Iot Aur | 2.6930 | 4600.0 | 510 | 13407 | No |
| 232 | GOM_NL__2PRFIN20040922_175547_000001032030_00327_13407_4332.N1 | 22-SEP-2004 17:55:47 | Straylight | 102.50 | 151 | 13Mu Gem | 2.8900 | 3000.0 | 205 | 13407 | No |
| 233 | GOM_NL__2PRFIN20040922_175915_000000702030_00327_13407_4333.N1 | 22-SEP-2004 17:59:15 | Dark | 69.500 | 8 | 10Alp CMi | 0.40000 | 6500.0 | 139 | 13407 | No |
| 234 | GOM_NL__2PRFIN20040922_180634_000000472030_00327_13407_4334.N1 | 22-SEP-2004 18:06:34 | Dark | 46.500 | 132 | 15Rho Pup | 2.8030 | 6900.0 | 93 | 13407 | No |
| 235 | GOM_NL__2PRFIN20040922_180923_000000742030_00327_13407_4335.N1 | 22-SEP-2004 18:09:23 | Dark | 74.000 | 1 | 9Alp CMa | -1.4400 | 11000. | 148 | 13407 | No |
| 236 | GOM_NL__2PRFIN20040922_181144_000000662030_00327_13407_4336.N1 | 22-SEP-2004 18:11:44 | Dark | 65.500 | 47 | 2Bet CMa | 1.9760 | 28000. | 131 | 13407 | No |
| 237 | GOM_NL__2PRFIN20040922_181447_000000462030_00327_13407_4337.N1 | 22-SEP-2004 18:14:47 | Dark | 46.000 | 41 | Eps Car | 1.8600 | 4100.0 | 92 | 13407 | No |
| 238 | GOM_NL__2PRFIN20040922_182514_000000392030_00328_13408_4309.N1 | 22-SEP-2004 18:25:14 | Dark | 38.500 | 135 | Bet Hyi | 2.8200 | 5800.0 | 77 | 13408 | No |
| 239 | GOM_NL__2PRFIN20040922_182651_000000412030_00328_13408_4310.N1 | 22-SEP-2004 18:26:51 | Dark | 40.500 | 143 | Alp Hyi | 2.8570 | 7200.0 | 81 | 13408 | No |
| 240 | GOM_NL__2PRFIN20040922_182818_000000532030_00328_13408_4311.N1 | 22-SEP-2004 18:28:18 | Dark | 52.500 | 9 | Alp Eri | 0.45300 | 24000. | 105 | 13408 | No |
| 241 | GOM_NL__2PRFIN20040922_183042_000000402030_00328_13408_4312.N1 | 22-SEP-2004 18:30:42 | Straylight | 39.500 | 148 | Alp Tuc | 2.8780 | 4100.0 | 79 | 13408 | No |
| 242 | GOM_NL__2PRFIN20040922_183411_000000482030_00328_13408_4313.N1 | 22-SEP-2004 18:34:11 | Straylight | 47.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 95 | 13408 | No |
| 243 | GOM_NL__2PRFIN20040922_183716_000000392030_00328_13408_4314.N1 | 22-SEP-2004 18:37:16 | Straylight | 39.000 | 172 | Gam Gru | 3.0030 | 13100. | 78 | 13408 | No |
| 244 | GOM_NL__2PRFIN20040922_183846_000000452030_00328_13408_4315.N1 | 22-SEP-2004 18:38:46 | Straylight | 44.500 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 89 | 13408 | No |
| 245 | GOM_NL__2PRFIN20040922_184107_000000562030_00328_13408_4316.N1 | 22-SEP-2004 18:41:07 | Tw_i_and_stray | 56.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 112 | 13408 | No |
| 246 | GOM_NL__2PRFIN20040922_184316_000000412030_00328_13408_4317.N1 | 22-SEP-2004 18:43:16 | Tw_i_and_stray | 41.000 | 142 | 49Del Cap | 2.8500 | 8900.0 | 82 | 13408 | No |
| 247 | GOM_NL__2PRFIN20040922_184726_000000382030_00328_13408_4318.N1 | 22-SEP-2004 18:47:26 | Bright | 37.500 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 75 | 13408 | No |
| 248 | GOM_NL__2PRFIN20040922_185029_000000382030_00328_13408_4319.N1 | 22-SEP-2004 18:50:29 | Bright | 38.000 | 61 | 8Eps Peg | 2.1000 | 3900.0 | 76 | 13408 | No |
| 249 | GOM_NL__2PRFIN20040922_185224_000000442030_00328_13408_4320.N1 | 22-SEP-2004 18:52:24 | Bright | 44.000 | 140 | 88Gam Peg | 2.8340 | 26000. | 88 | 13408 | No |
| 250 | GOM_NL__2PRFIN20040922_185518_000000372030_00328_13408_4321.N1 | 22-SEP-2004 18:55:18 | Bright | 37.000 | 93 | 53Bet Peg | 2.5200 | 3100.0 | 74 | 13408 | No |
| 251 | GOM_NL__2PRFIN20040922_185643_000000432030_00328_13408_4322.N1 | 22-SEP-2004 18:56:43 | Bright | 42.500 | 58 | 21Alp And | 2.0730 | 11000. | 85 | 13408 | No |
| 252 | GOM_NL__2PRFIN20040922_190106_000000392030_00328_13408_4323.N1 | 22-SEP-2004 19:01:06 | Bright | 38.500 | 19 | 50Alp Cyg | 1.2460 | 10500. | 77 | 13408 | No |
| 253 | GOM_NL__2PRFIN20040922_190507_000000382030_00328_13408_4324.N1 | 22-SEP-2004 19:05:07 | Bright | 37.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 75 | 13408 | No |
| 254 | GOM_NL__2PRFIN20040922_190647_000000422030_00328_13408_4325.N1 | 22-SEP-2004 19:06:47 | Bright | 42.000 | 76 | 27Gam Cas | 2.3000 | 30000. | 84 | 13408 | No |
| 255 | GOM_NL__2PRFIN20040922_191236_000000362030_00328_13408_4326.N1 | 22-SEP-2004 19:12:36 | Bright | 35.500 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 71 | 13408 | No |
| 256 | GOM_NL__2PRFIN20040922_191405_000000392030_00328_13408_4327.N1 | 22-SEP-2004 19:14:05 | Bright | 38.500 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 77 | 13408 | No |
| 257 | GOM_NL__2PRFIN20040922_192016_000000342030_00328_13408_4328.N1 | 22-SEP-2004 19:20:16 | Bright | 34.000 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 68 | 13408 | No |
| 258 | GOM_NL__2PRFIN20040922_192144_000000522030_00328_13408_4329.N1 | 22-SEP-2004 19:21:44 | Bright | 52.000 | 82 | 48Bet UMa | 2.3650 | 10600. | 104 | 13408 | No |
| 259 | GOM_NL__2PRFIN20040922_192413_000000652030_00328_13408_4330.N1 | 22-SEP-2004 19:24:13 | Bright | 64.500 | 42 | 34Bet Aur | 1.9000 | 10200. | 129 | 13408 | No |
| 260 | GOM_NL__2PRFIN20040922_192806_000000762030_00328_13408_4331.N1 | 22-SEP-2004 19:28:06 | Bright | 75.500 | 107 | 37The Aur | 2.6490 | 11000. | 151 | 13408 | No |
| 261 | GOM_NL__2PRFIN20040922_193115_000002552030_00328_13408_4332.N1 | 22-SEP-2004 19:31:15 | Tw_i_and_stray | 255.00 | 114 | 3Iot Aur | 2.6930 | 4600.0 | 510 | 13408 | No |
| 262 | GOM_NL__2PRFIN20040922_193624_000001082030_00328_13408_4333.N1 | 22-SEP-2004 19:36:24 | Straylight | 107.50 | 151 | 13Mu Gem | 2.8900 | 3000.0 | 215 | 13408 | No |
| 263 | GOM_NL__2PRFIN20040922_193951_000000662030_00328_13408_4334.N1 | 22-SEP-2004 19:39:51 | Dark | 65.500 | 8 | 10Alp CMi | 0.40000 | 6500.0 | 131 | 13408 | No |
| 264 | GOM_NL__2PRFIN20040922_194711_000000442030_00328_13408_4335.N1 | 22-SEP-2004 19:47:11 | Dark | 43.500 | 132 | 15Rho Pup | 2.8030 | 6900.0 | 87 | 13408 | No |
| 265 | GOM_NL__2PRFIN20040922_195000_000000782030_00328_13408_4336.N1 | 22-SEP-2004 19:50:00 | Dark | 77.500 | 1 | 9Alp CMa | -1.4400 | 11000. | 155 | 13408 | No |
| 266 | GOM_NL__2PRFIN20040922_195221_000000682030_00328_13408_4337.N1 | 22-SEP-2004 19:52:21 | Dark | 67.500 | 47 | 2Bet CMa | 1.9760 | 28000. | 135 | 13408 | No |
| 267 | GOM_NL__2PRFIN20040922_195524_000000482030_00328_13408_4338.N1 | 22-SEP-2004 19:55:24 | Dark | 48.000 | 41 | Eps Car | 1.8600 | 4100.0 | 96 | 13408 | No |
| 268 | GOM_NL__2PRFIN20040922_200550_000000372030_00329_13409_4310.N1 | 22-SEP-2004 20:05:50 | Dark | 37.000 | 135 | Bet Hyi | 2.8200 | 5800.0 | 74 | 13409 | No |
| 269 | GOM_NL__2PRFIN20040922_200727_000000402030_00329_13409_4311.N1 | 22-SEP-2004 20:07:27 | Dark | 40.000 | 143 | Alp Hyi | 2.8570 | 7200.0 | 80 | 13409 | No |
| 270 | GOM_NL__2PRFIN20040922_200854_000000422030_00329_13409_4312.N1 | 22-SEP-2004 20:08:54 | Dark | 42.000 | 9 | Alp Eri | 0.45300 | 24000. | 84 | 13409 | No |
| 271 | GOM_NL__2PRFIN20040922_201118_000000482030_00329_13409_4313.N1 | 22-SEP-2004 20:11:18 | Straylight | 48.000 | 148 | Alp Tuc | 2.8780 | 4100.0 | 96 | 13409 | No |
| 272 | GOM_NL__2PRFIN20040922_201447_000000442030_00329_13409_4314.N1 | 22-SEP-2004 20:14:47 | Straylight | 43.500 | 63 | Bet Gru | 2.1500 | 2800.0 | 87 | 13409 | No |
| 273 | GOM_NL__2PRFIN20040922_201752_000000382030_00329_13409_4315.N1 | 22-SEP-2004 20:17:52 | Straylight | 38.000 | 172 | Gam Gru | 3.0030 | 13100. | 76 | 13409 | No |
| 274 | GOM_NL__2PRFIN20040922_201922_000000432030_00329_13409_4316.N1 | 22-SEP-2004 20:19:22 | Straylight | 43.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 86 | 13409 | No |
| 275 | GOM_NL__2PRFIN20040922_202143_000000542030_00329_13409_4317.N1 | 22-SEP-2004 20:21:43 | Tw_i_and_stray | 54.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 108 | 13409 | No |
| 276 | GOM_NL__2PRFIN20040922_202352_000000412030_00329_13409_4318.N1 | 22-SEP-2004 20:23:52 | Tw_i_and_stray | 40.500 | 142 | 49Del Cap | 2.8500 | 8900.0 | 81 | 13409 | No |
| 277 | GOM_NL__2PRFIN20040922_202802_000000392030_00329_13409_4319.N1 | 22-SEP-2004 20:28:02 | Bright | 38.500 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 77 | 13409 | No |
| 278 | GOM_NL__2PRFIN20040922_203106_000000382030_00329_13409_4320.N1 | 22-SEP-2004 20:31:06 | Bright | 38.000 | 61 | 8Eps Peg | 2.1000 | 3900.0 | 76 | 13409 | No |

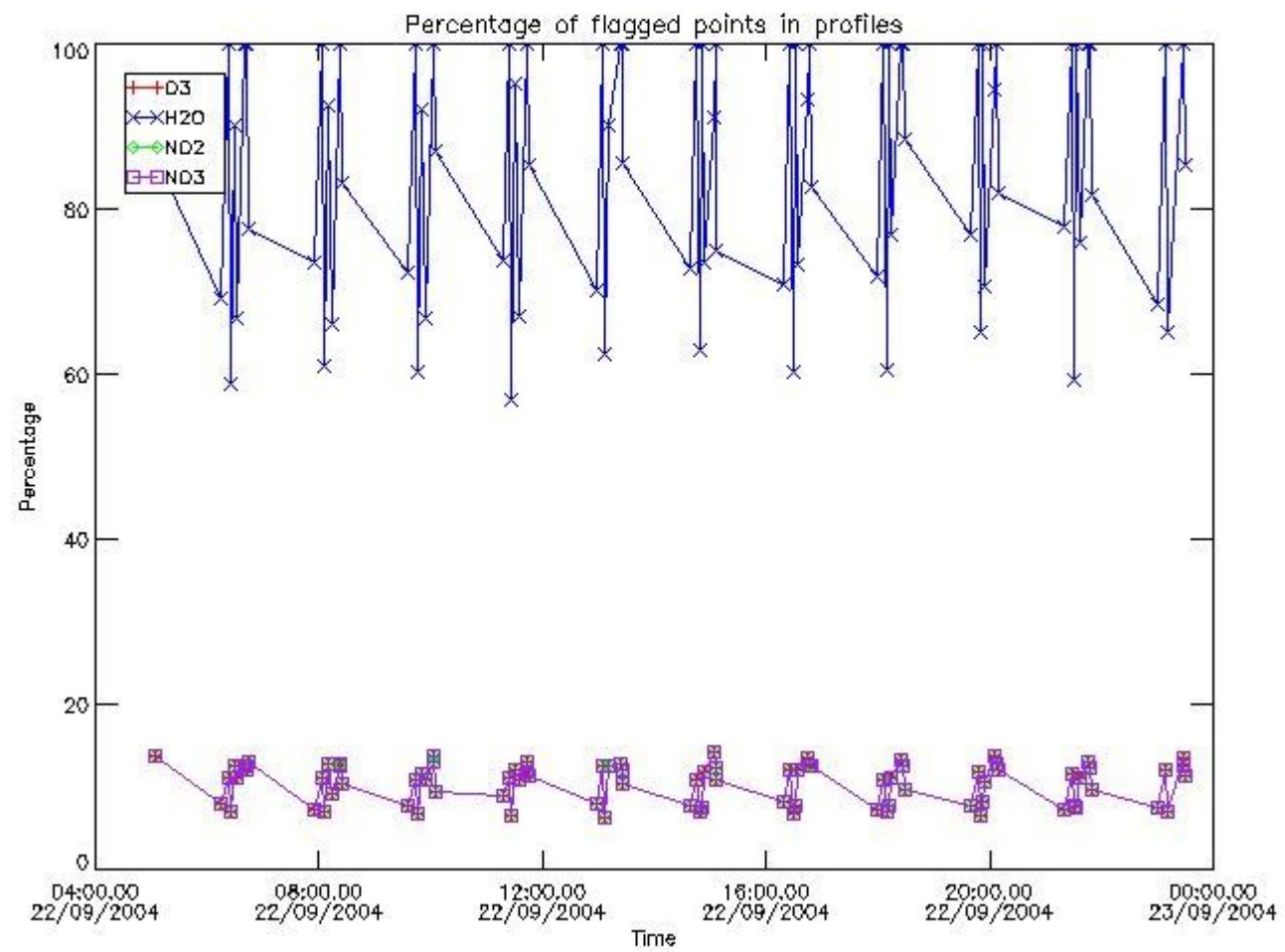
| | | | | | | | | | | | |
|-----|--|----------------------|----------------|--------|-----|-----------|---------|--------|-----|-------|----|
| 279 | GOM_NL__2PRFIN20040922_203300_000000442030_00329_13409_4321.N1 | 22-SEP-2004 20:33:00 | Bright | 43.500 | 140 | 88Gam Peg | 2.8340 | 26000. | 87 | 13409 | No |
| 280 | GOM_NL__2PRFIN20040922_203554_000000392030_00329_13409_4322.N1 | 22-SEP-2004 20:35:54 | Bright | 38.500 | 93 | 53Bet Peg | 2.5200 | 3100.0 | 77 | 13409 | No |
| 281 | GOM_NL__2PRFIN20040922_203719_000000442030_00329_13409_4323.N1 | 22-SEP-2004 20:37:19 | Bright | 43.500 | 58 | 21Alp And | 2.0730 | 11000. | 87 | 13409 | No |
| 282 | GOM_NL__2PRFIN20040922_204142_000000382030_00329_13409_4324.N1 | 22-SEP-2004 20:41:42 | Bright | 38.000 | 19 | 50Alp Cyg | 1.2460 | 10500. | 76 | 13409 | No |
| 283 | GOM_NL__2PRFIN20040922_204543_000000372030_00329_13409_4325.N1 | 22-SEP-2004 20:45:43 | Bright | 37.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 74 | 13409 | No |
| 284 | GOM_NL__2PRFIN20040922_204723_000000432030_00329_13409_4326.N1 | 22-SEP-2004 20:47:23 | Bright | 42.500 | 76 | 27Gam Cas | 2.3000 | 30000. | 85 | 13409 | No |
| 285 | GOM_NL__2PRFIN20040922_205311_000000382030_00329_13409_4327.N1 | 22-SEP-2004 20:53:11 | Bright | 38.000 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 76 | 13409 | No |
| 286 | GOM_NL__2PRFIN20040922_205441_000000352030_00329_13409_4328.N1 | 22-SEP-2004 20:54:41 | Bright | 35.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 70 | 13409 | No |
| 287 | GOM_NL__2PRFIN20040922_210052_000000392030_00329_13409_4329.N1 | 22-SEP-2004 21:00:52 | Bright | 39.000 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 78 | 13409 | No |
| 288 | GOM_NL__2PRFIN20040922_210220_000000362030_00329_13409_4330.N1 | 22-SEP-2004 21:02:20 | Bright | 36.000 | 82 | 48Bet UMa | 2.3650 | 10600. | 72 | 13409 | No |
| 289 | GOM_NL__2PRFIN20040922_210448_000000632030_00329_13409_4331.N1 | 22-SEP-2004 21:04:48 | Bright | 63.000 | 42 | 34Bet Aur | 1.9000 | 10200. | 126 | 13409 | No |
| 290 | GOM_NL__2PRFIN20040922_210842_000000742030_00329_13409_4332.N1 | 22-SEP-2004 21:08:42 | Bright | 74.000 | 107 | 37The Aur | 2.6490 | 11000. | 148 | 13409 | No |
| 291 | GOM_NL__2PRFIN20040922_211152_000002552030_00329_13409_4333.N1 | 22-SEP-2004 21:11:52 | Tw_i_and_stray | 255.00 | 114 | 3lot Aur | 2.6930 | 4600.0 | 510 | 13409 | No |
| 292 | GOM_NL__2PRFIN20040922_211701_000001102030_00329_13409_4334.N1 | 22-SEP-2004 21:17:01 | Straylight | 109.50 | 151 | 13Mu Gem | 2.8900 | 3000.0 | 219 | 13409 | No |
| 293 | GOM_NL__2PRFIN20040922_212028_000000702030_00329_13409_4335.N1 | 22-SEP-2004 21:20:28 | Dark | 69.500 | 8 | 10Alp CMi | 0.40000 | 6500.0 | 139 | 13409 | No |
| 294 | GOM_NL__2PRFIN20040922_212747_000000442030_00329_13409_4336.N1 | 22-SEP-2004 21:27:47 | Dark | 44.000 | 132 | 15Rho Pup | 2.8030 | 6900.0 | 88 | 13409 | No |
| 295 | GOM_NL__2PRFIN20040922_213037_000000732030_00329_13409_4337.N1 | 22-SEP-2004 21:30:37 | Dark | 73.000 | 1 | 9Alp CMa | -1.4400 | 11000. | 146 | 13409 | No |
| 296 | GOM_NL__2PRFIN20040922_213259_000000682030_00329_13409_4338.N1 | 22-SEP-2004 21:32:59 | Dark | 67.500 | 47 | 2Bet CMa | 1.9760 | 28000. | 135 | 13409 | No |
| 297 | GOM_NL__2PRFIN20040922_213600_000000462030_00329_13409_4339.N1 | 22-SEP-2004 21:36:00 | Dark | 46.000 | 41 | Eps Car | 1.8600 | 4100.0 | 92 | 13409 | No |
| 298 | GOM_NL__2PRFIN20040922_214626_000000392030_00330_13410_4311.N1 | 22-SEP-2004 21:46:26 | Dark | 39.000 | 135 | Bet Hyi | 2.8200 | 5800.0 | 78 | 13410 | No |
| 299 | GOM_NL__2PRFIN20040922_214803_000000422030_00330_13410_4312.N1 | 22-SEP-2004 21:48:03 | Dark | 41.500 | 143 | Alp Hyi | 2.8570 | 7200.0 | 83 | 13410 | No |
| 300 | GOM_NL__2PRFIN20040922_214930_000000532030_00330_13410_4313.N1 | 22-SEP-2004 21:49:30 | Dark | 52.500 | 9 | Alp Eri | 0.45300 | 24000. | 105 | 13410 | No |
| 301 | GOM_NL__2PRFIN20040922_215153_000000402030_00330_13410_4314.N1 | 22-SEP-2004 21:51:53 | Straylight | 39.500 | 148 | Alp Tuc | 2.8780 | 4100.0 | 79 | 13410 | No |
| 302 | GOM_NL__2PRFIN20040922_215523_000000522030_00330_13410_4315.N1 | 22-SEP-2004 21:55:23 | Straylight | 52.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 104 | 13410 | No |
| 303 | GOM_NL__2PRFIN20040922_215828_000000392030_00330_13410_4316.N1 | 22-SEP-2004 21:58:28 | Straylight | 39.000 | 172 | Gam Gru | 3.0030 | 13100. | 78 | 13410 | No |
| 304 | GOM_NL__2PRFIN20040922_215958_000000402030_00330_13410_4317.N1 | 22-SEP-2004 21:59:58 | Straylight | 40.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 80 | 13410 | No |
| 305 | GOM_NL__2PRFIN20040922_220219_000000542030_00330_13410_4318.N1 | 22-SEP-2004 22:02:19 | Tw_i_and_stray | 54.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 108 | 13410 | No |
| 306 | GOM_NL__2PRFIN20040922_220428_000000402030_00330_13410_4319.N1 | 22-SEP-2004 22:04:28 | Tw_i_and_stray | 39.500 | 142 | 49Del Cap | 2.8500 | 8900.0 | 79 | 13410 | No |
| 307 | GOM_NL__2PRFIN20040922_220838_000000362030_00330_13410_4320.N1 | 22-SEP-2004 22:08:38 | Bright | 36.000 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 72 | 13410 | No |
| 308 | GOM_NL__2PRFIN20040922_221142_000000392030_00330_13410_4321.N1 | 22-SEP-2004 22:11:42 | Bright | 38.500 | 61 | 8Eps Peg | 2.1000 | 3900.0 | 77 | 13410 | No |
| 309 | GOM_NL__2PRFIN20040922_221336_000000452030_00330_13410_4322.N1 | 22-SEP-2004 22:13:36 | Bright | 44.500 | 140 | 88Gam Peg | 2.8340 | 26000. | 89 | 13410 | No |
| 310 | GOM_NL__2PRFIN20040922_221630_000000392030_00330_13410_4323.N1 | 22-SEP-2004 22:16:30 | Bright | 38.500 | 93 | 53Bet Peg | 2.5200 | 3100.0 | 77 | 13410 | No |
| 311 | GOM_NL__2PRFIN20040922_221754_000000432030_00330_13410_4324.N1 | 22-SEP-2004 22:17:54 | Bright | 43.000 | 58 | 21Alp And | 2.0730 | 11000. | 86 | 13410 | No |
| 312 | GOM_NL__2PRFIN20040922_222218_000000392030_00330_13410_4325.N1 | 22-SEP-2004 22:22:18 | Bright | 38.500 | 19 | 50Alp Cyg | 1.2460 | 10500. | 77 | 13410 | No |
| 313 | GOM_NL__2PRFIN20040922_222619_000000372030_00330_13410_4326.N1 | 22-SEP-2004 22:26:19 | Bright | 37.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 74 | 13410 | No |
| 314 | GOM_NL__2PRFIN20040922_222758_000000432030_00330_13410_4327.N1 | 22-SEP-2004 22:27:58 | Bright | 42.500 | 76 | 27Gam Cas | 2.3000 | 30000. | 85 | 13410 | No |
| 315 | GOM_NL__2PRFIN20040922_223347_000000332030_00330_13410_4328.N1 | 22-SEP-2004 22:33:47 | Bright | 33.000 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 66 | 13410 | No |
| 316 | GOM_NL__2PRFIN20040922_223517_000000342030_00330_13410_4329.N1 | 22-SEP-2004 22:35:17 | Bright | 34.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 68 | 13410 | No |
| 317 | GOM_NL__2PRFIN20040922_224128_000000372030_00330_13410_4330.N1 | 22-SEP-2004 22:41:28 | Bright | 37.000 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 74 | 13410 | No |
| 318 | GOM_NL__2PRFIN20040922_224256_000000522030_00330_13410_4331.N1 | 22-SEP-2004 22:42:56 | Bright | 52.000 | 82 | 48Bet UMa | 2.3650 | 10600. | 104 | 13410 | No |
| 319 | GOM_NL__2PRFIN20040922_224523_000000632030_00330_13410_4332.N1 | 22-SEP-2004 22:45:23 | Bright | 62.500 | 42 | 34Bet Aur | 1.9000 | 10200. | 125 | 13410 | No |
| 320 | GOM_NL__2PRFIN20040922_224917_000000772030_00330_13410_4333.N1 | 22-SEP-2004 22:49:17 | Bright | 76.500 | 107 | 37The Aur | 2.6490 | 11000. | 153 | 13410 | No |
| 321 | GOM_NL__2PRFIN20040922_225228_000002552030_00330_13410_4334.N1 | 22-SEP-2004 22:52:28 | Tw_i_and_stray | 255.00 | 114 | 3lot Aur | 2.6930 | 4600.0 | 510 | 13410 | No |
| 322 | GOM_NL__2PRFIN20040922_225738_000001082030_00330_13410_4335.N1 | 22-SEP-2004 22:57:38 | Straylight | 108.00 | 151 | 13Mu Gem | 2.8900 | 3000.0 | 216 | 13410 | No |
| 323 | GOM_NL__2PRFIN20040922_230104_000000682030_00330_13410_4336.N1 | 22-SEP-2004 23:01:04 | Dark | 68.000 | 8 | 10Alp CMi | 0.40000 | 6500.0 | 136 | 13410 | No |
| 324 | GOM_NL__2PRFIN20040922_230824_000000432030_00330_13410_4337.N1 | 22-SEP-2004 23:08:24 | Dark | 42.500 | 132 | 15Rho Pup | 2.8030 | 6900.0 | 85 | 13410 | No |
| 325 | GOM_NL__2PRFIN20040922_231114_000000742030_00330_13410_4338.N1 | 22-SEP-2004 23:11:14 | Dark | 73.500 | 1 | 9Alp CMa | -1.4400 | 11000. | 147 | 13410 | No |
| 326 | GOM_NL__2PRFIN20040922_232701_000000382030_00331_13411_4311.N1 | 22-SEP-2004 23:27:01 | Dark | 38.000 | 135 | Bet Hyi | 2.8200 | 5800.0 | 76 | 13411 | No |
| 327 | GOM_NL__2PRFIN20040922_232839_000000412030_00331_13411_4312.N1 | 22-SEP-2004 23:28:39 | Dark | 40.500 | 143 | Alp Hyi | 2.8570 | 7200.0 | 81 | 13411 | No |
| 328 | GOM_NL__2PRFIN20040922_233006_000000452030_00331_13411_4313.N1 | 22-SEP-2004 23:30:06 | Dark | 45.000 | 9 | Alp Eri | 0.45300 | 24000. | 90 | 13411 | No |
| 329 | GOM_NL__2PRFIN20040922_233229_000000422030_00331_13411_4314.N1 | 22-SEP-2004 23:32:29 | Straylight | 42.000 | 148 | Alp Tuc | 2.8780 | 4100.0 | 84 | 13411 | No |
| 330 | GOM_NL__2PRFIN20040922_233559_000000502030_00331_13411_4315.N1 | 22-SEP-2004 23:35:59 | Straylight | 50.000 | 63 | Bet Gru | 2.1500 | 2800.0 | 100 | 13411 | No |
| 331 | GOM_NL__2PRFIN20040922_233904_000000402030_00331_13411_4316.N1 | 22-SEP-2004 23:39:04 | Straylight | 39.500 | 172 | Gam Gru | 3.0030 | 13100. | 79 | 13411 | No |
| 332 | GOM_NL__2PRFIN20040922_234034_000000442030_00331_13411_4317.N1 | 22-SEP-2004 23:40:34 | Straylight | 44.000 | 18 | 24Alp PsA | 1.1660 | 9700.0 | 88 | 13411 | No |
| 333 | GOM_NL__2PRFIN20040922_234255_000000542030_00331_13411_4318.N1 | 22-SEP-2004 23:42:55 | Tw_i_and_stray | 54.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 108 | 13411 | No |
| 334 | GOM_NL__2PRFIN20040922_234504_000000402030_00331_13411_4319.N1 | 22-SEP-2004 23:45:04 | Tw_i_and_stray | 40.000 | 142 | 49Del Cap | 2.8500 | 8900.0 | 80 | 13411 | No |
| 335 | GOM_NL__2PRFIN20040922_234914_000000382030_00331_13411_4320.N1 | 22-SEP-2004 23:49:14 | Bright | 38.000 | 162 | 34Alp Aqr | 2.9440 | 5350.0 | 76 | 13411 | No |
| 336 | GOM_NL__2PRFIN20040922_235218_000000402030_00331_13411_4321.N1 | 22-SEP-2004 23:52:18 | Bright | 40.000 | 61 | 8Eps Peg | 2.1000 | 3900.0 | 80 | 13411 | No |
| 337 | GOM_NL__2PRFIN20040922_235411_000000452030_00331_13411_4322.N1 | 22-SEP-2004 23:54:11 | Bright | 44.500 | 140 | 88Gam Peg | 2.8340 | 26000. | 89 | 13411 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|--------|--------|----|-----------|--------|--------|----|-------|----|
| 338 | GOM_NL__2PRFIN20040922_235705_000000382030_00331_13411_4323.N1 | 22-SEP-2004 23:57:05 | Bright | 38.000 | 93 | 53Bet Peg | 2.5200 | 3100.0 | 76 | 13411 | No |
| 339 | GOM_NL__2PRFIN20040922_235829_000000452030_00331_13411_4324.N1 | 22-SEP-2004 23:58:29 | Bright | 45.000 | 58 | 21Alp And | 2.0730 | 11000. | 90 | 13411 | No |

3. Quality information per product

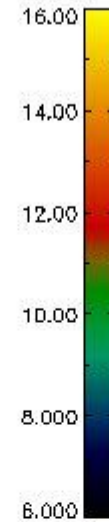
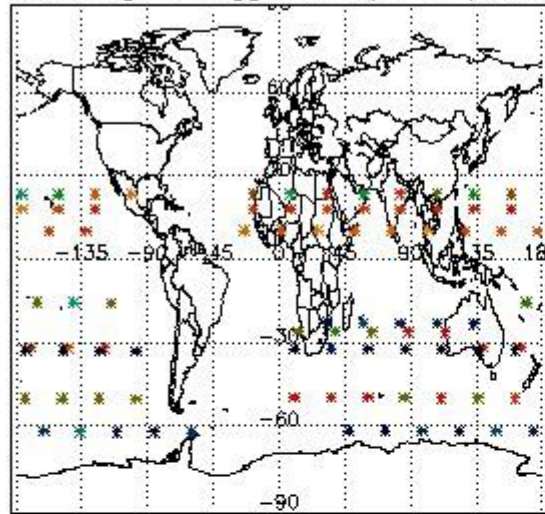
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

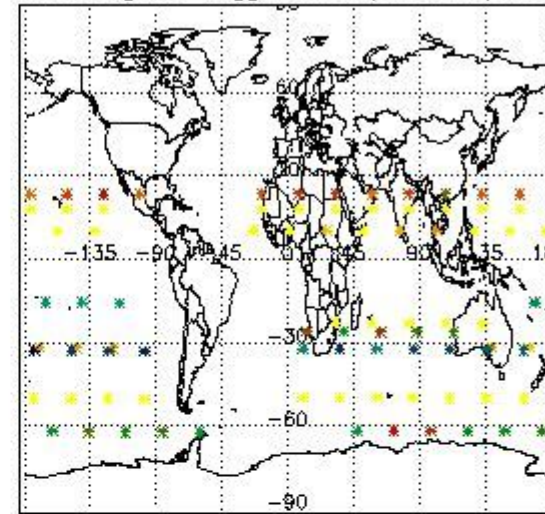


3.2 Plot quality information per product (world map)

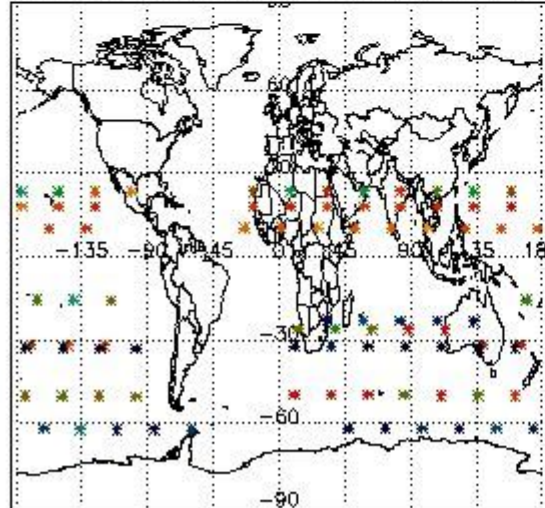
Percentage of flagged data per O3 profile



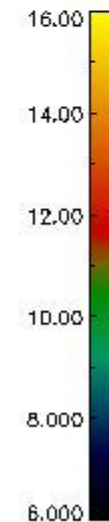
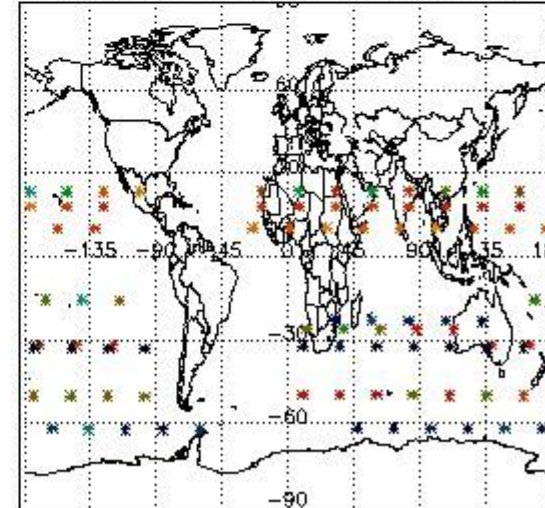
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

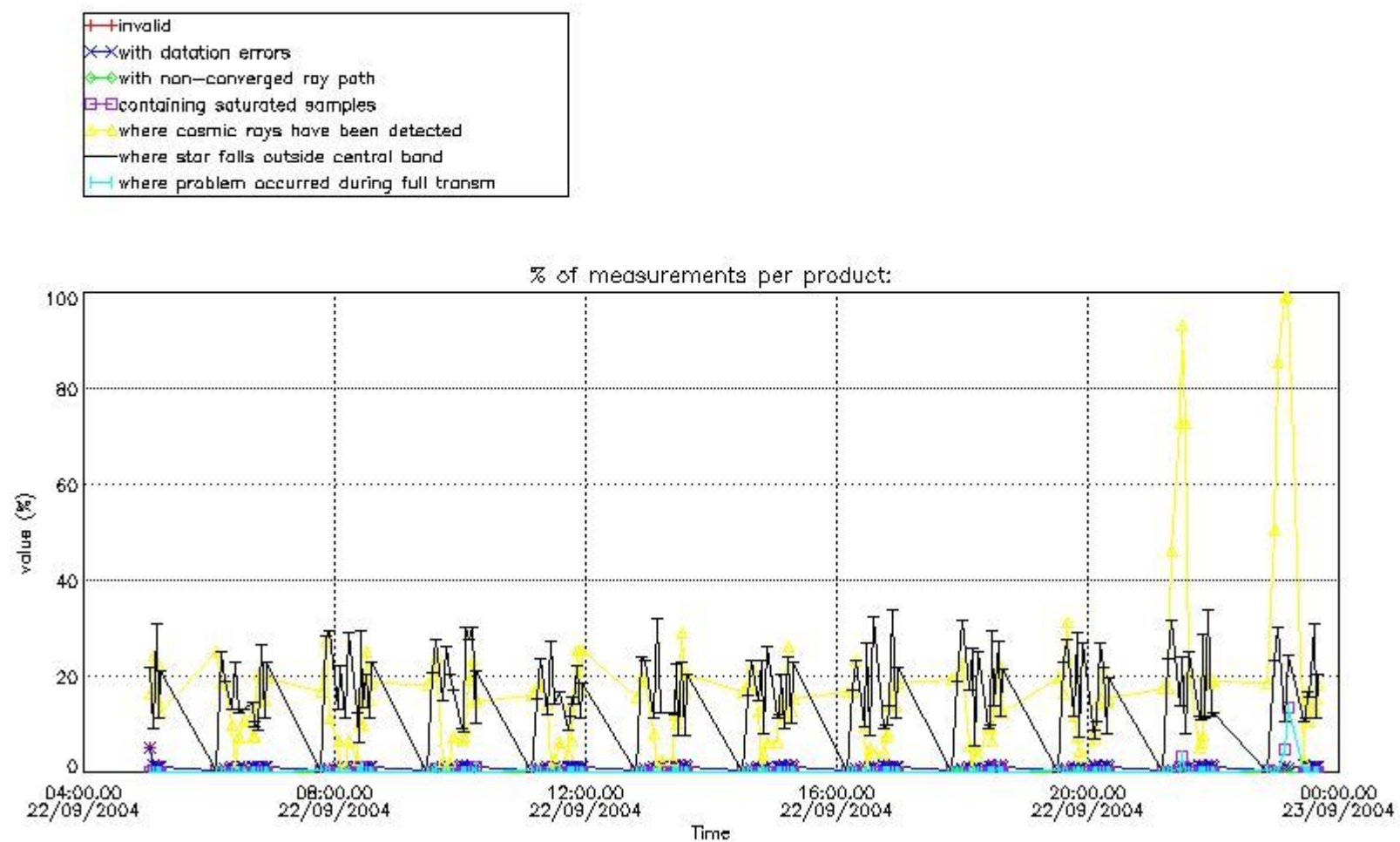


4. Level 1 quality information per product

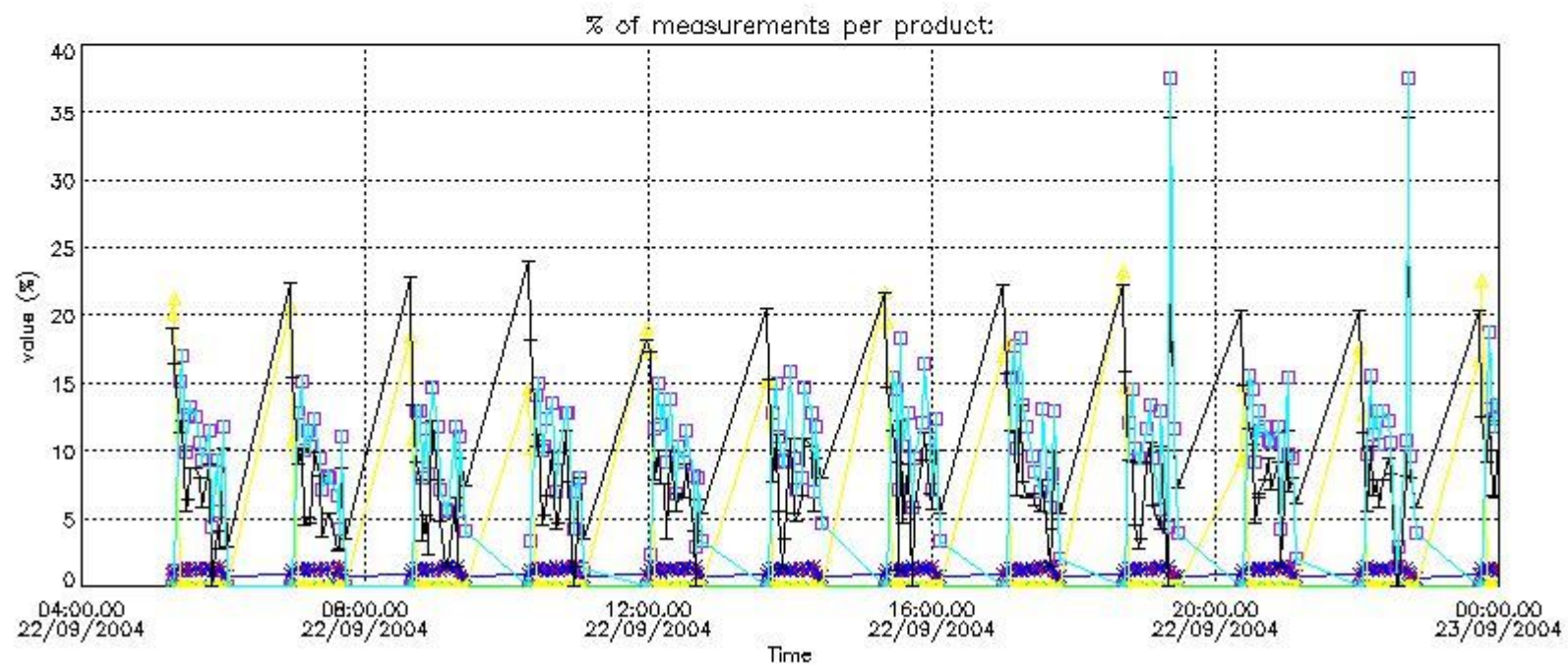
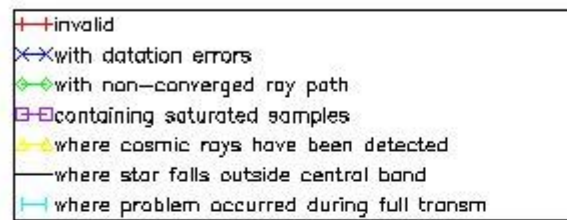
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

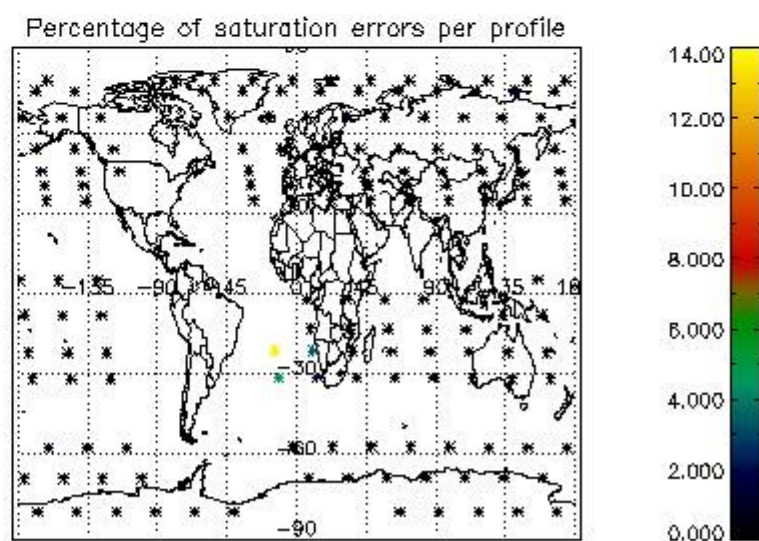
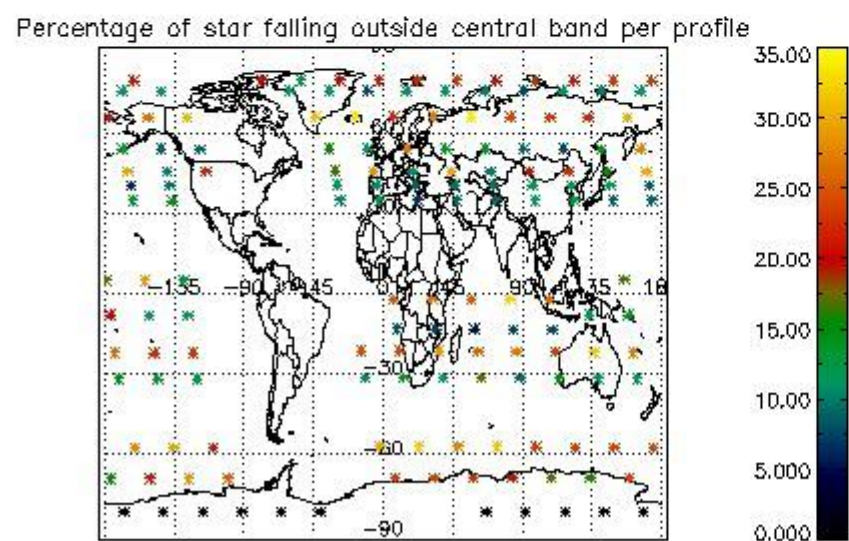
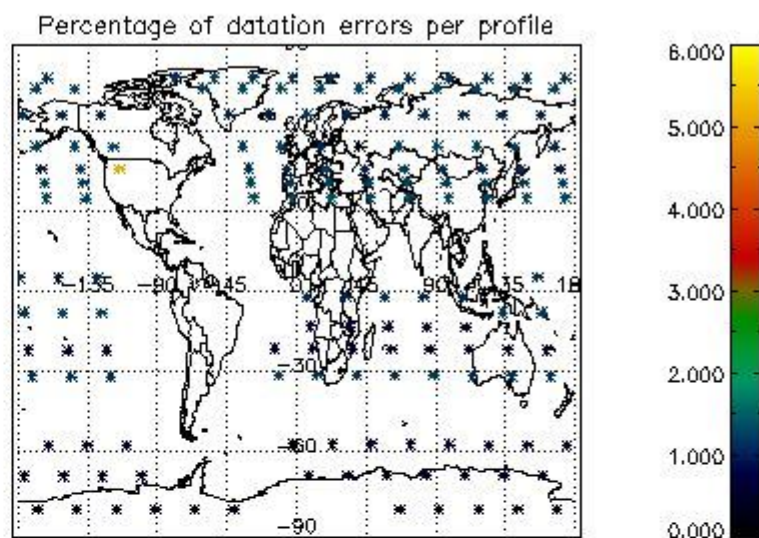
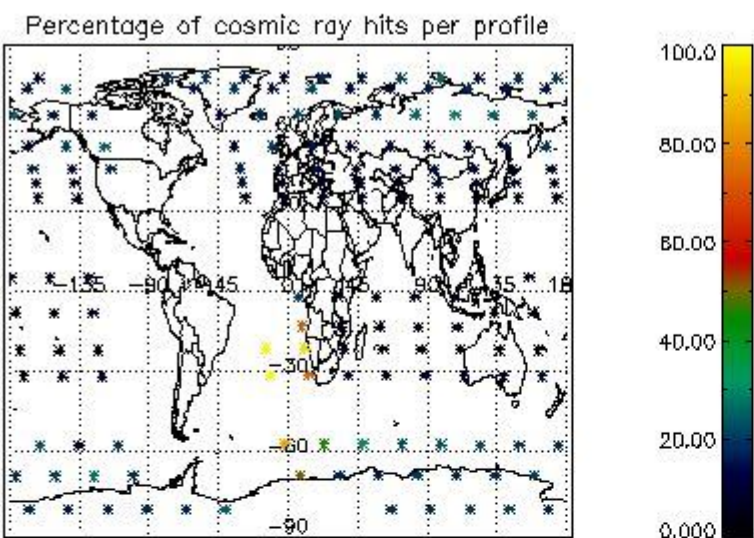


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



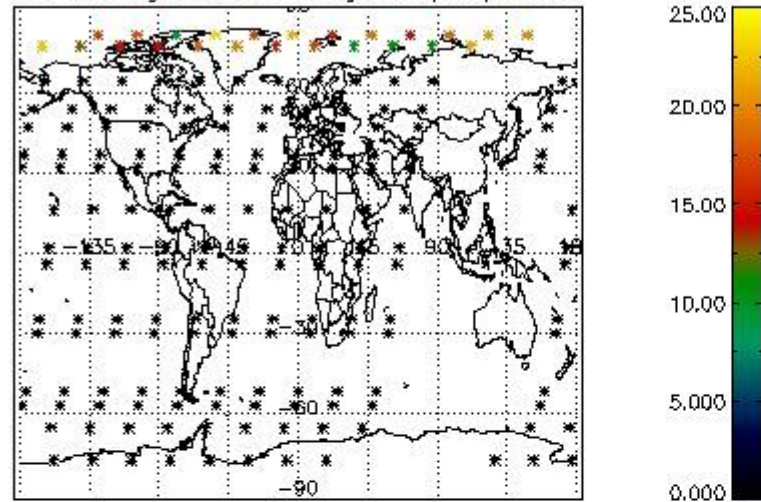
4.2 Plot quality information per product coming from level 1b processing (world map)

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

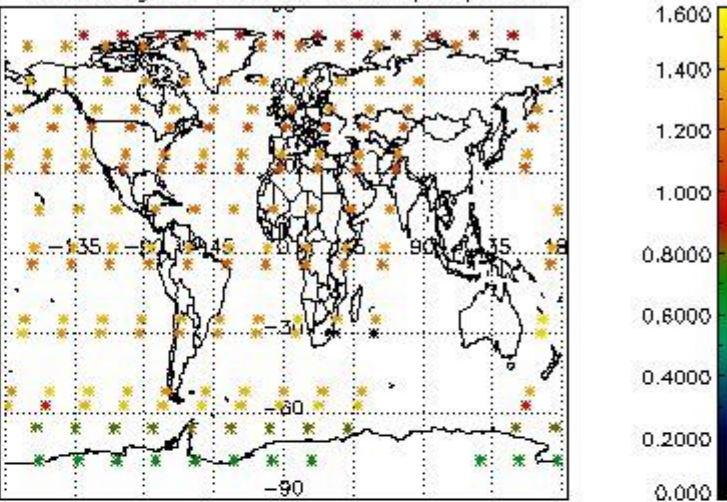


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

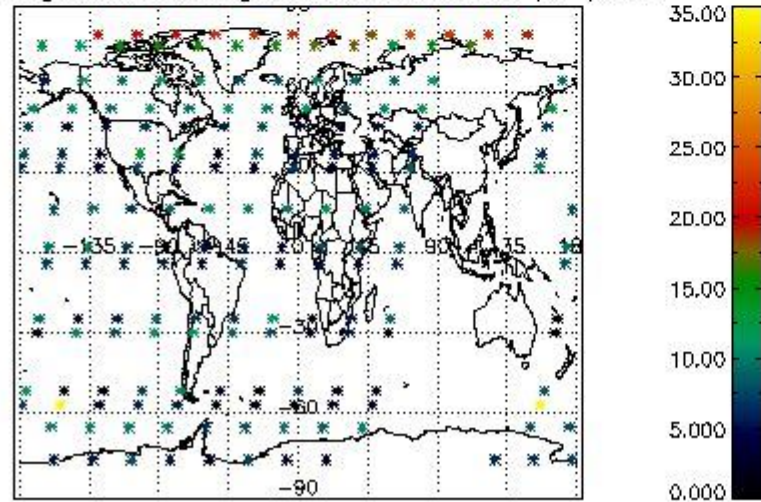
Percentage of cosmic ray hits per profile



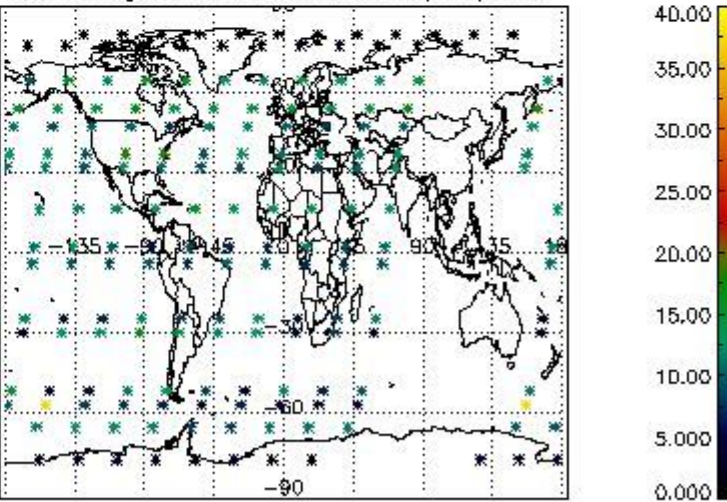
Percentage of datation errors per profile



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

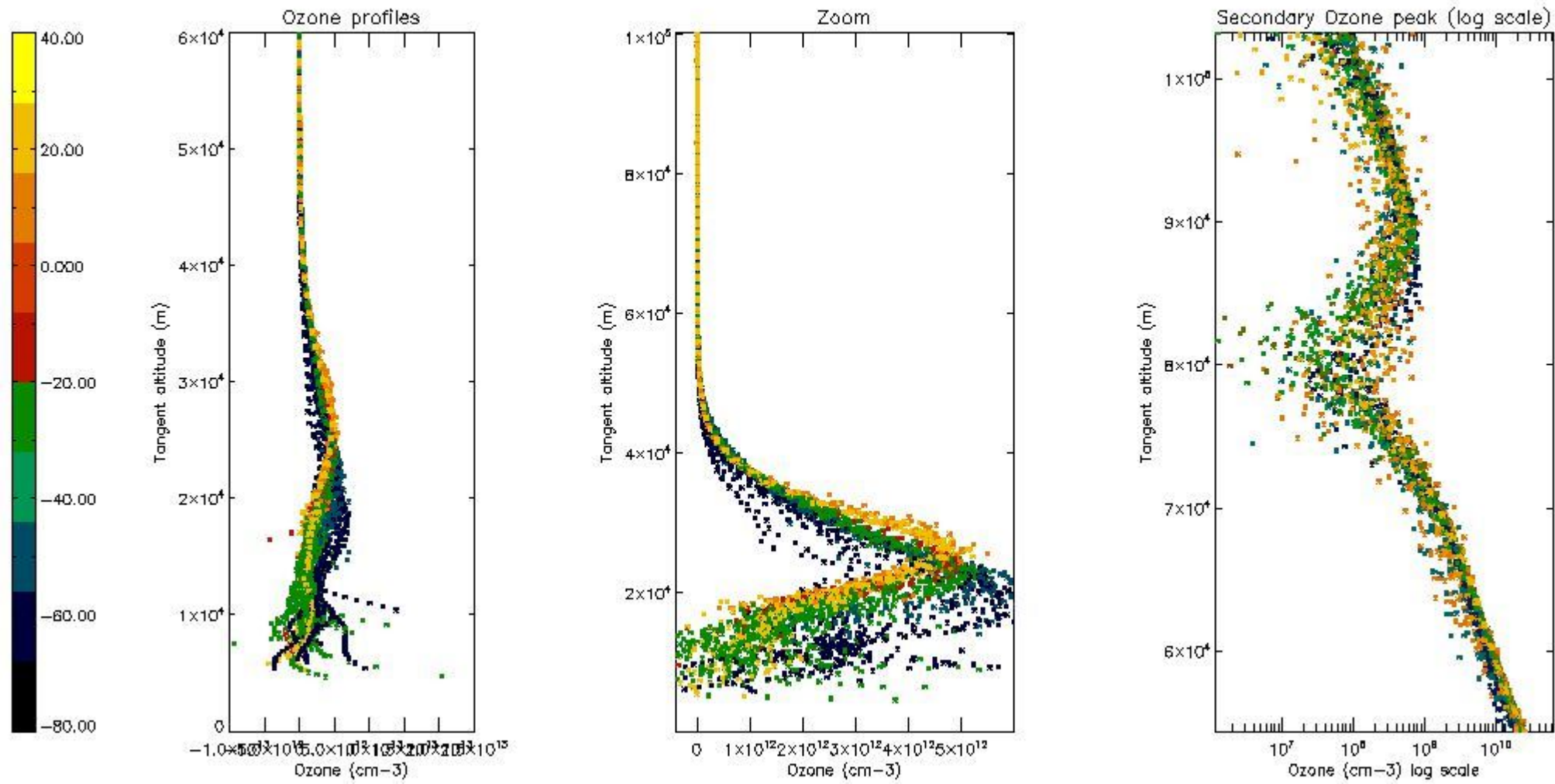
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

| Criteria | % of total production |
|----------|-----------------------|
| All STD | 24 |
| STD < 20 | 16 |

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

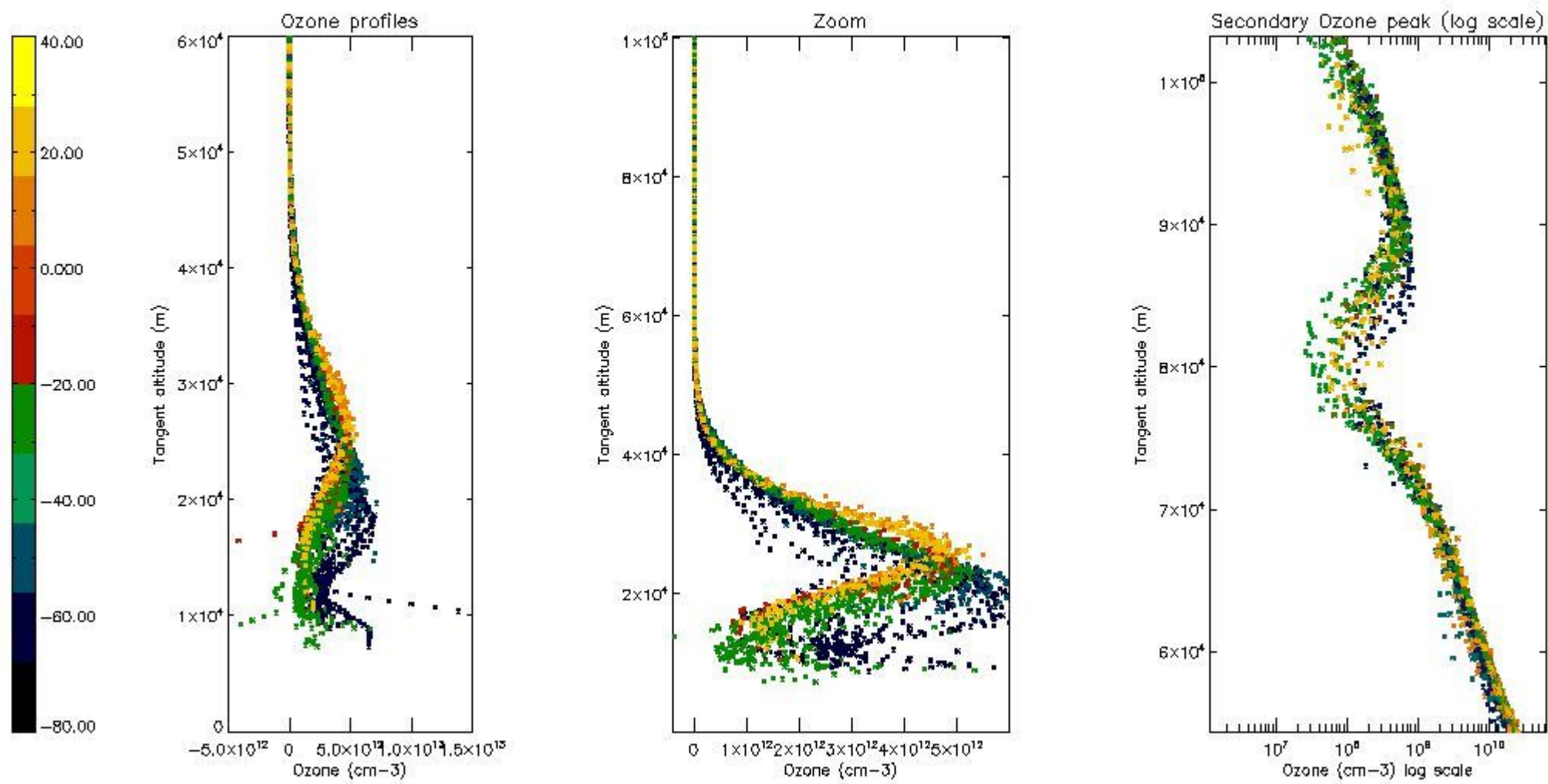
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



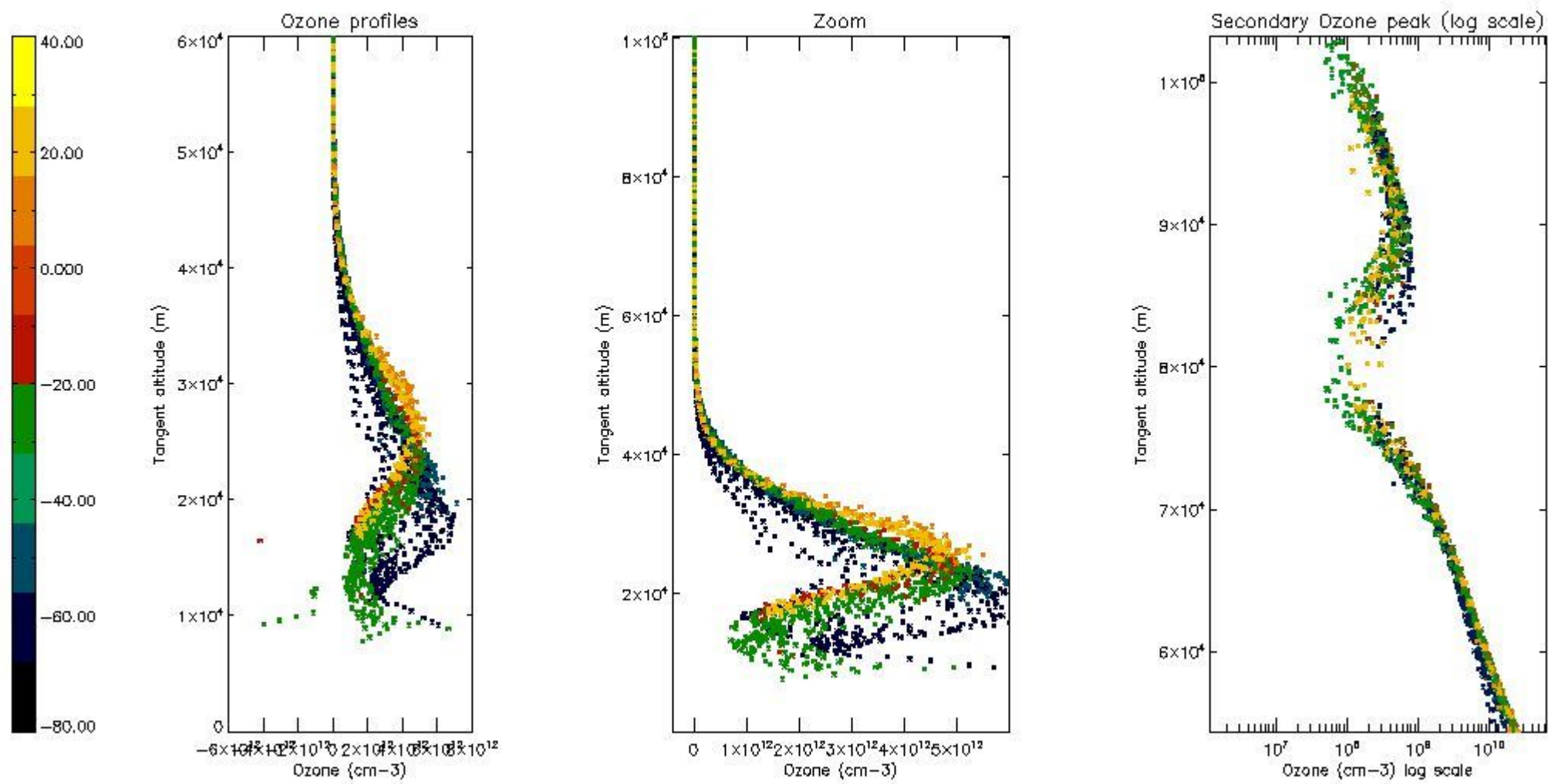
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



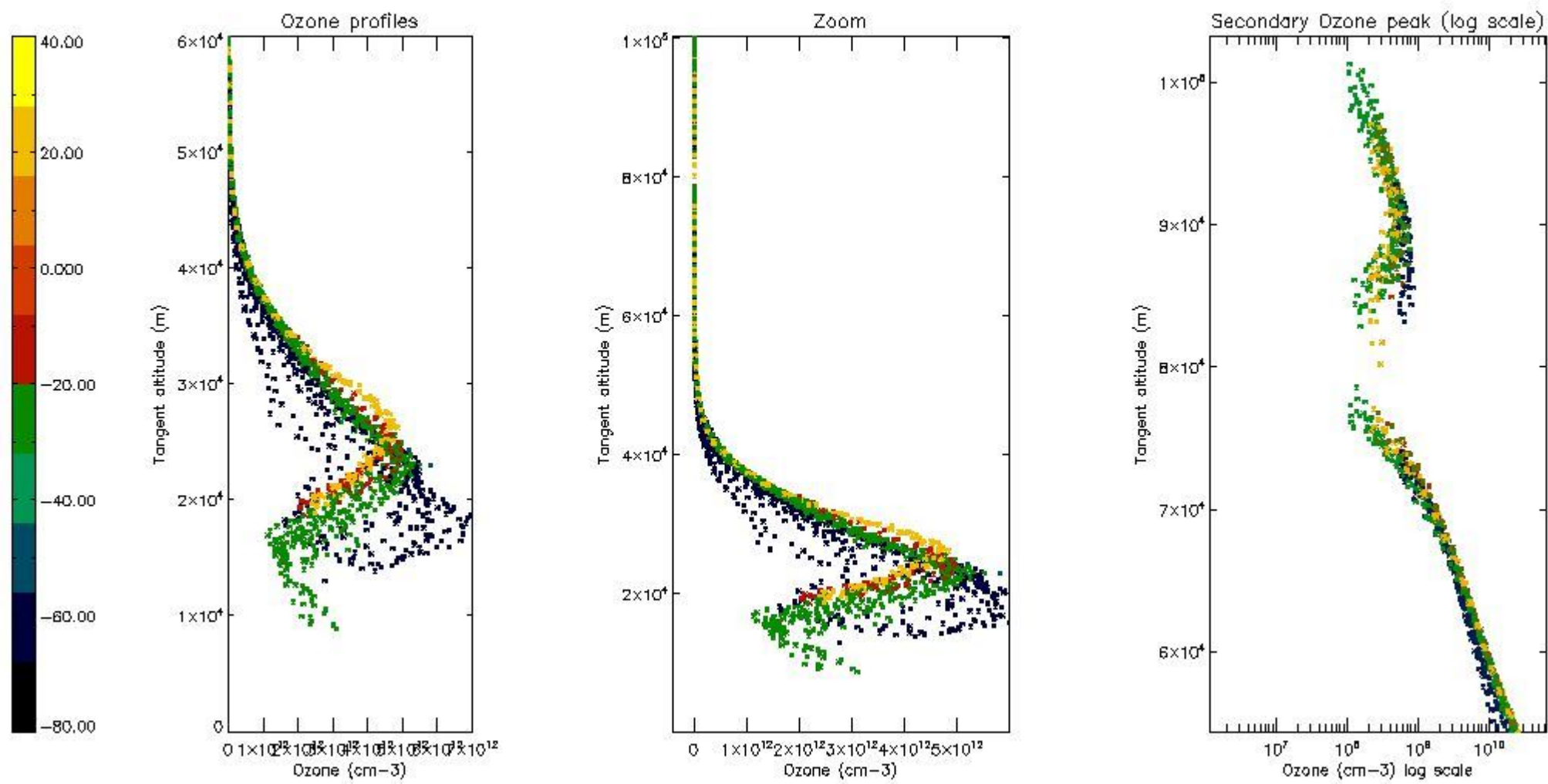
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



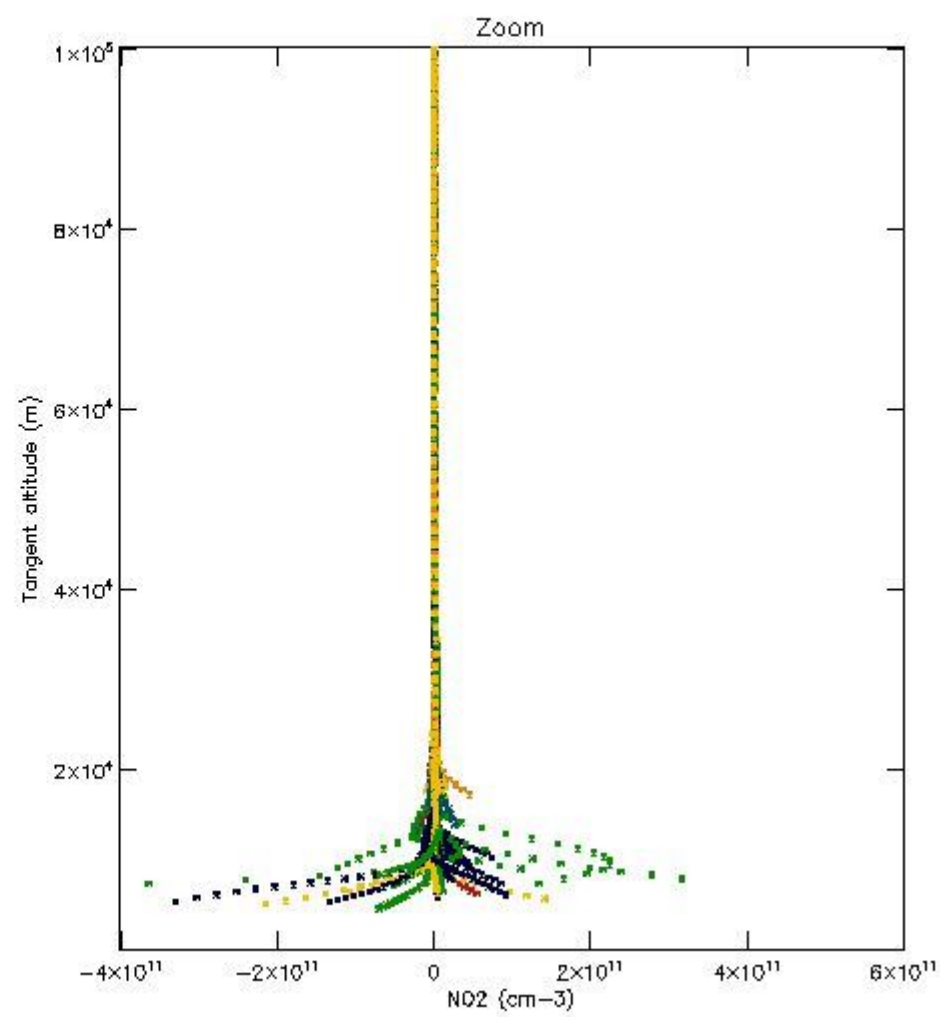
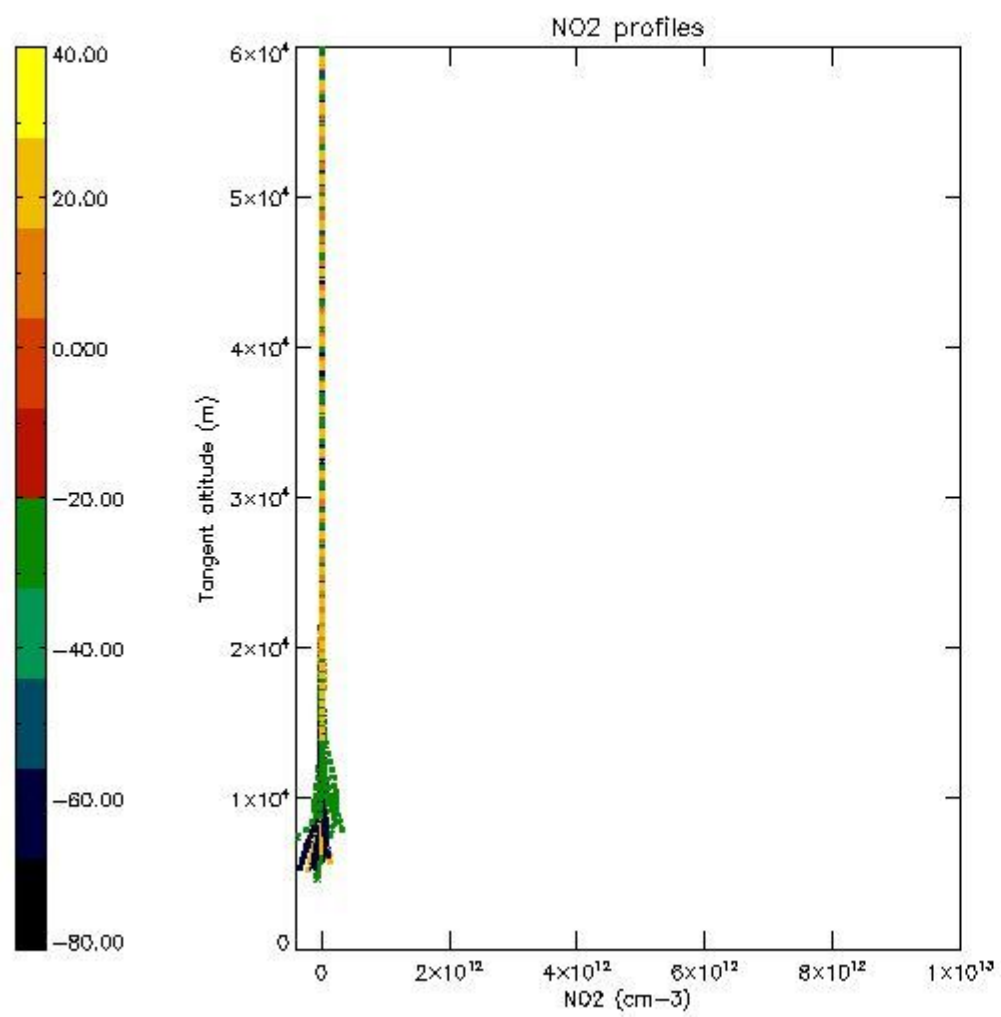
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



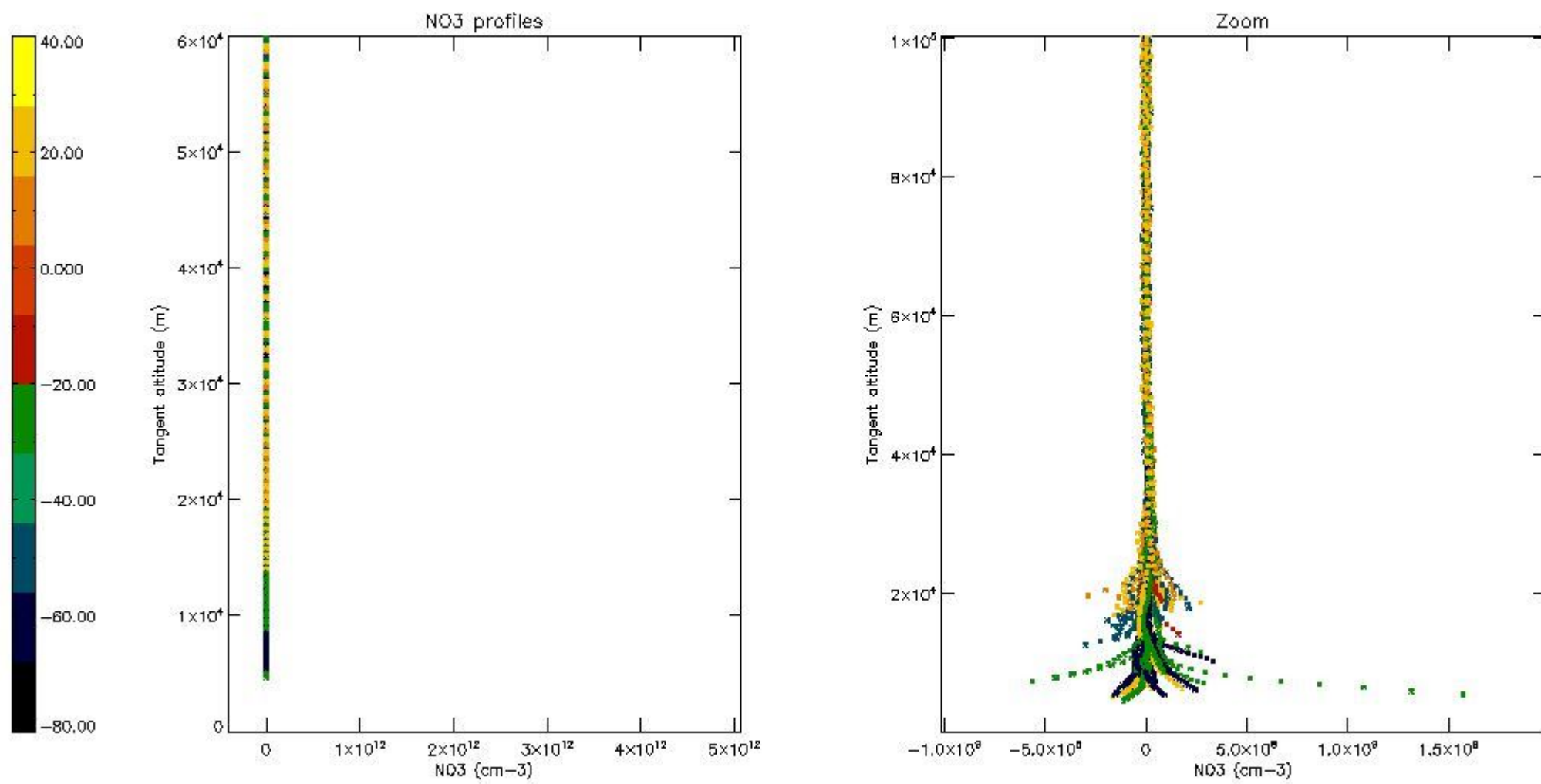
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



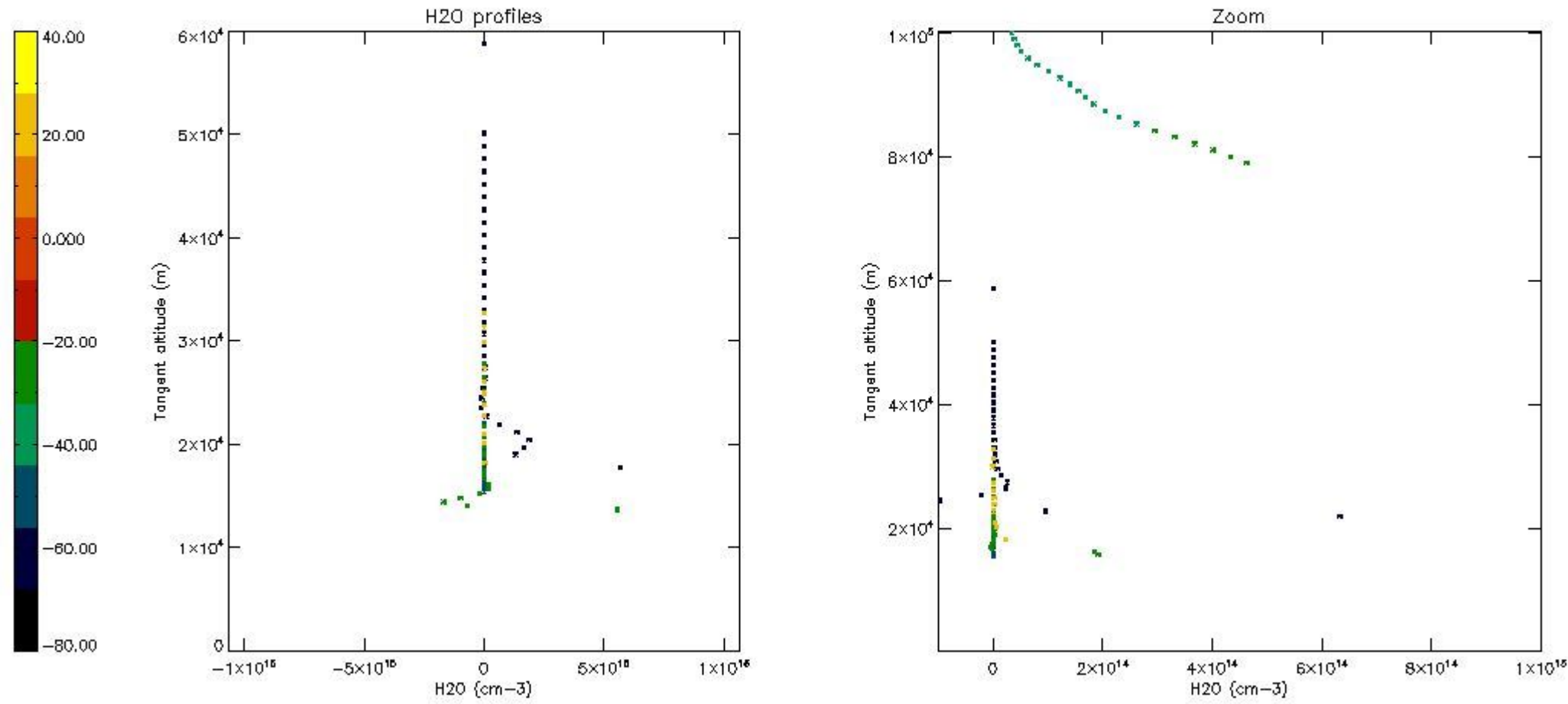
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

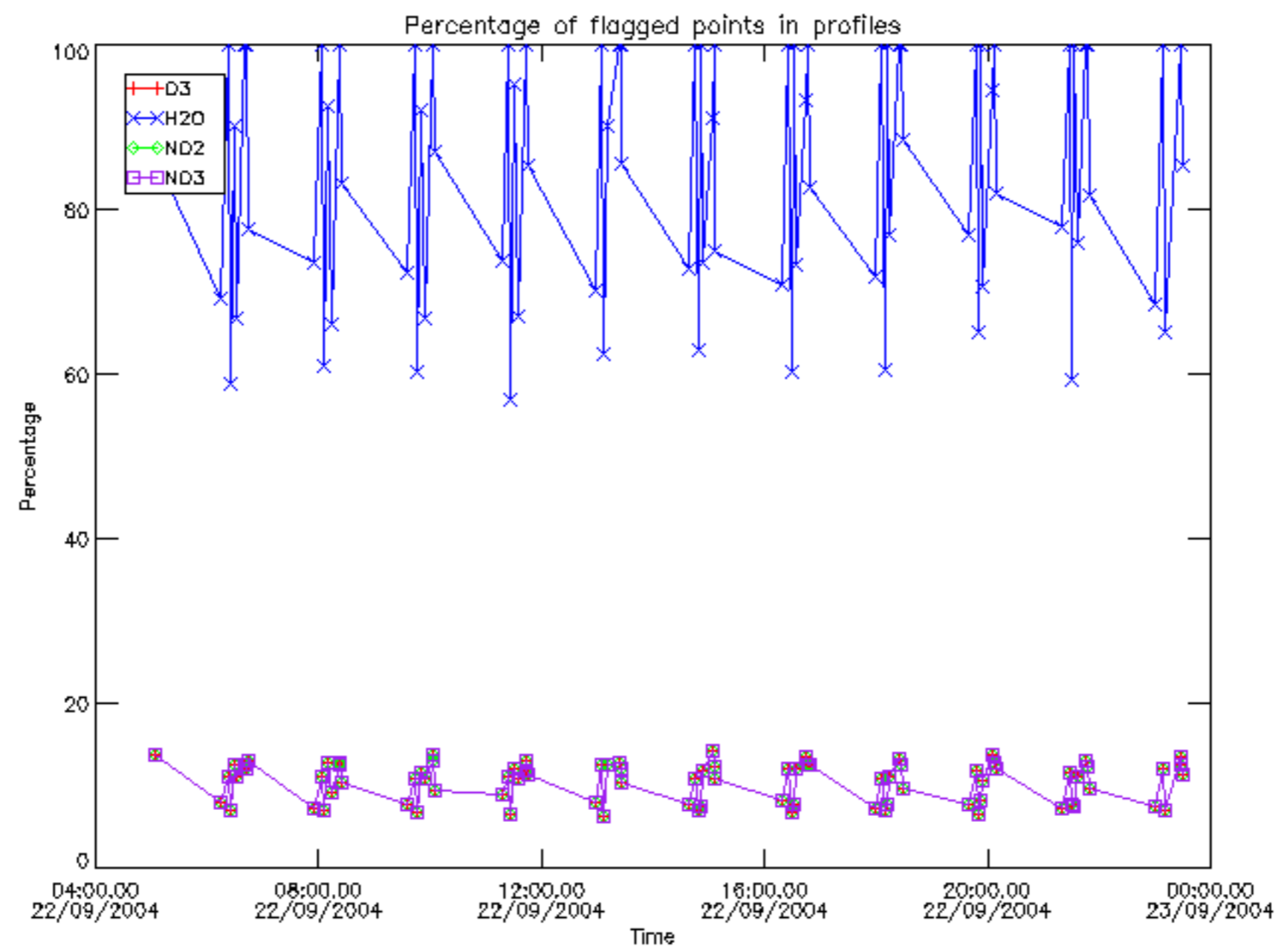
The colorbar represents the latitude.



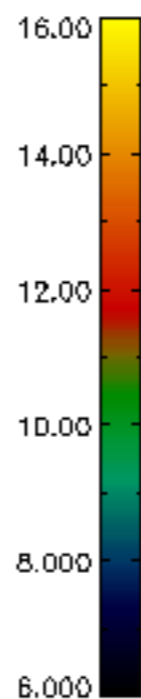
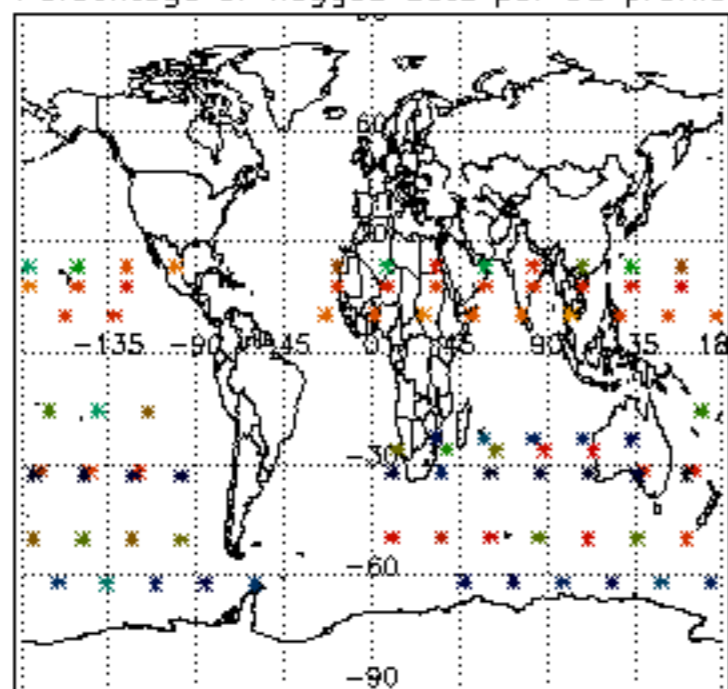
6. Auxiliary Data Files used for the production reported in section 2

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.

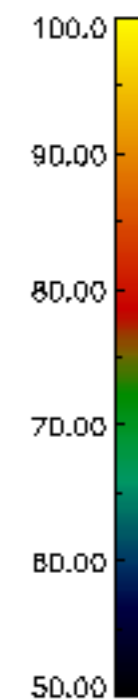
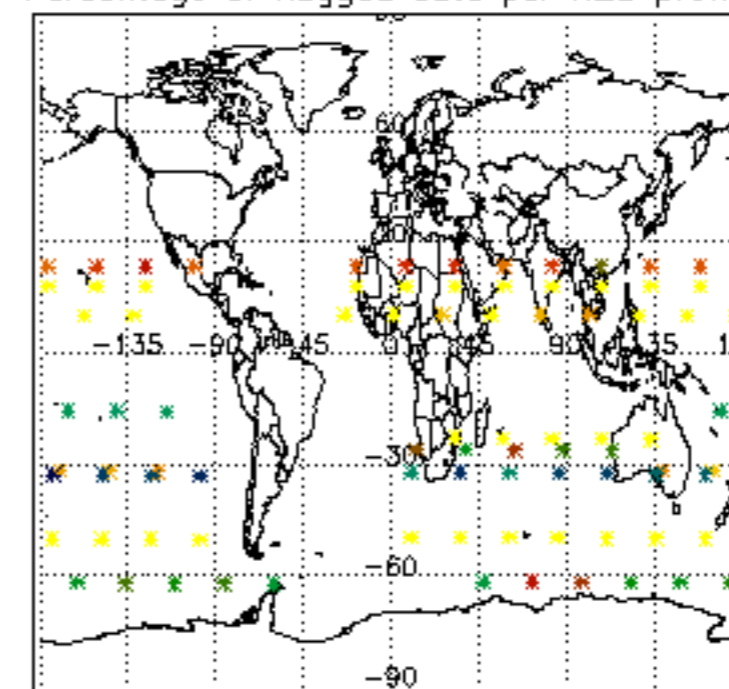
| Type | Auxiliary Filename | Used since product | Used since product date |
|---------------------------|---|--------------------|-------------------------|
| INST_PHYS_CHARACTERISTICS | GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000 | 1 | 22-SEP-2004 05:03:26 |
| LEVEL-2_PROC_CONFIG | GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000 | 1 | 22-SEP-2004 05:03:26 |
| CROSS_SECTIONS_FILE | GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000 | 1 | 22-SEP-2004 05:03:26 |



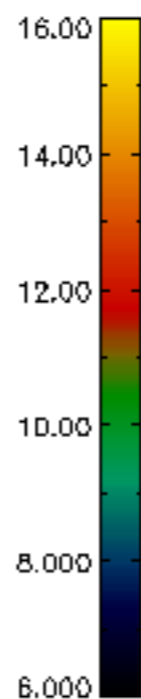
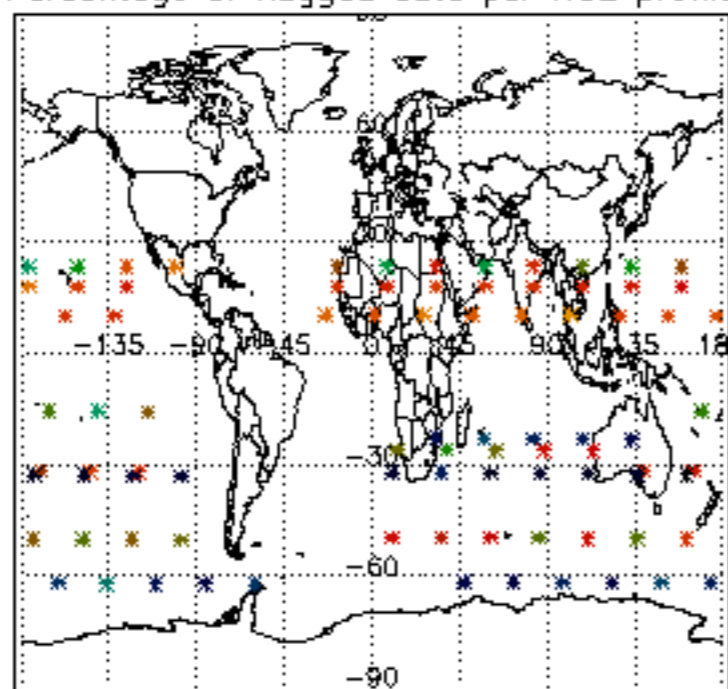
Percentage of flagged data per D3 profile



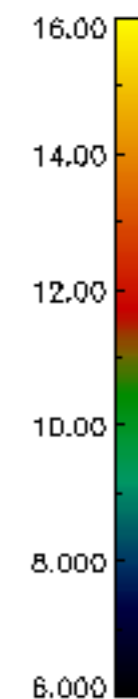
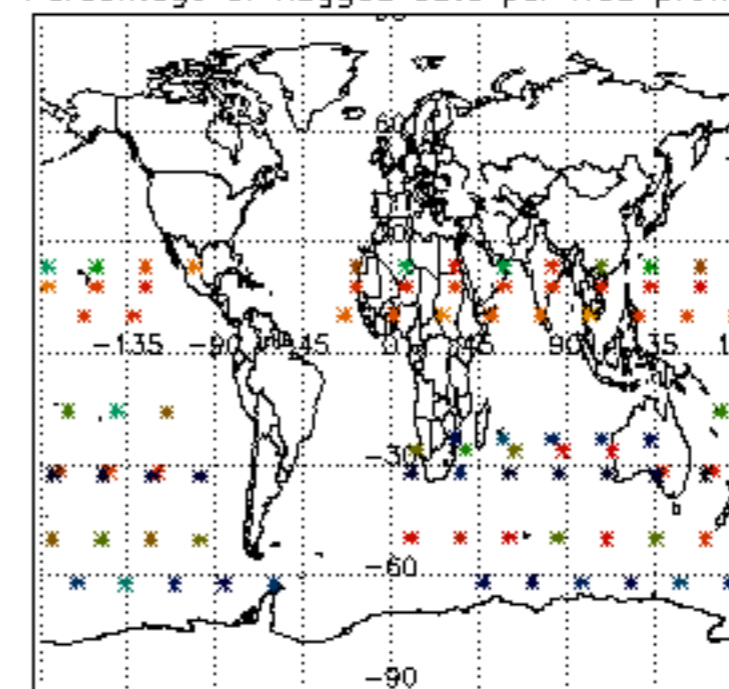
Percentage of flagged data per H2O profile

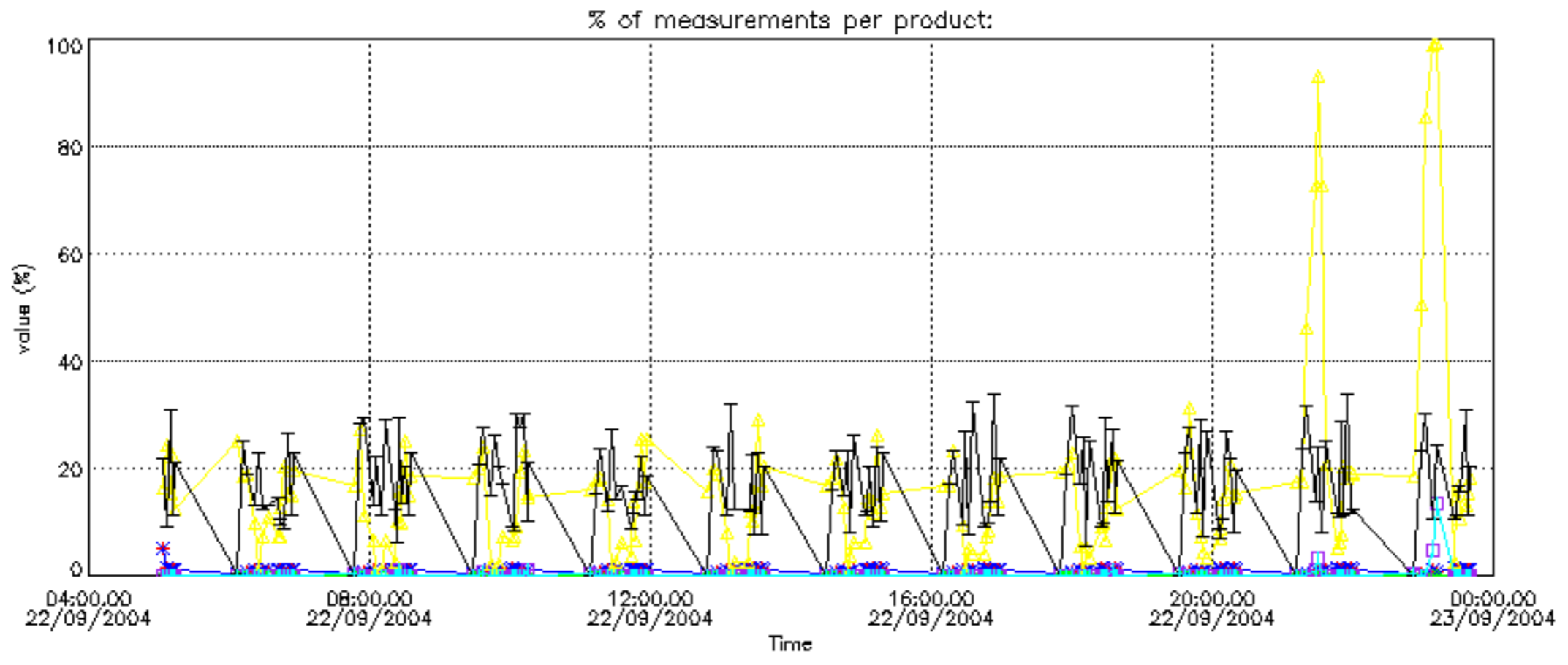


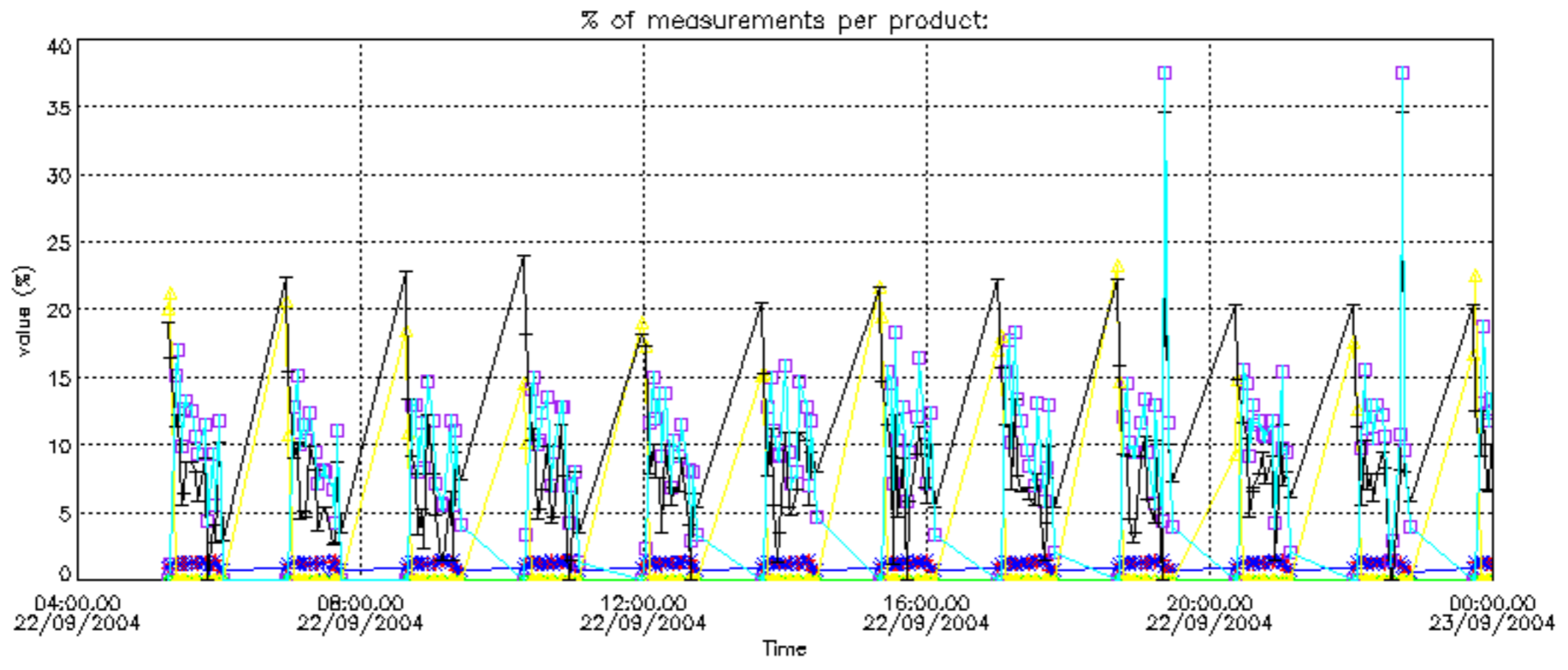
Percentage of flagged data per NO2 profile



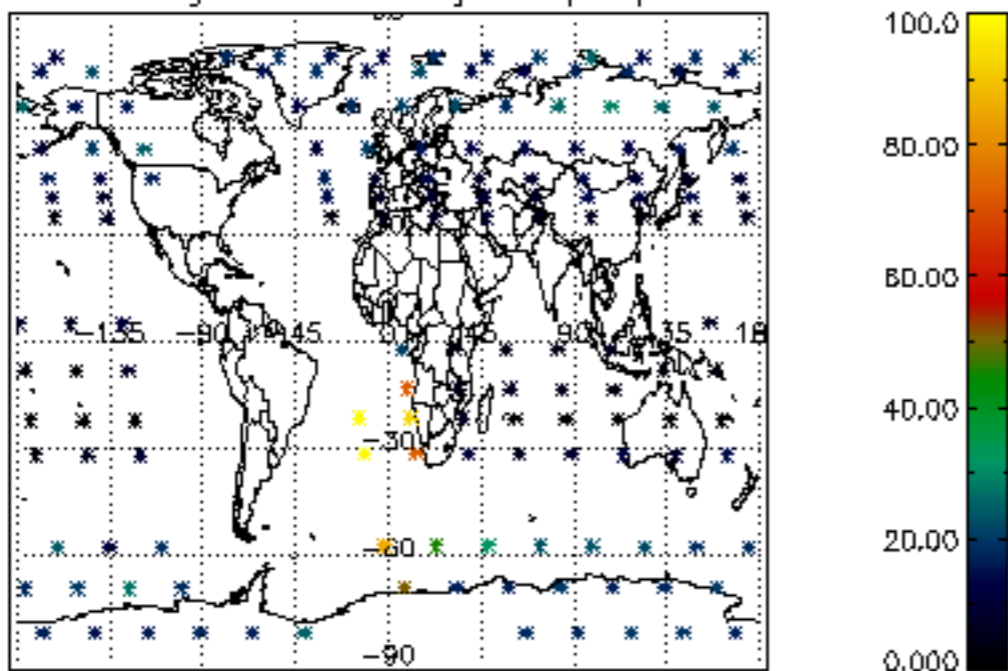
Percentage of flagged data per NO3 profile



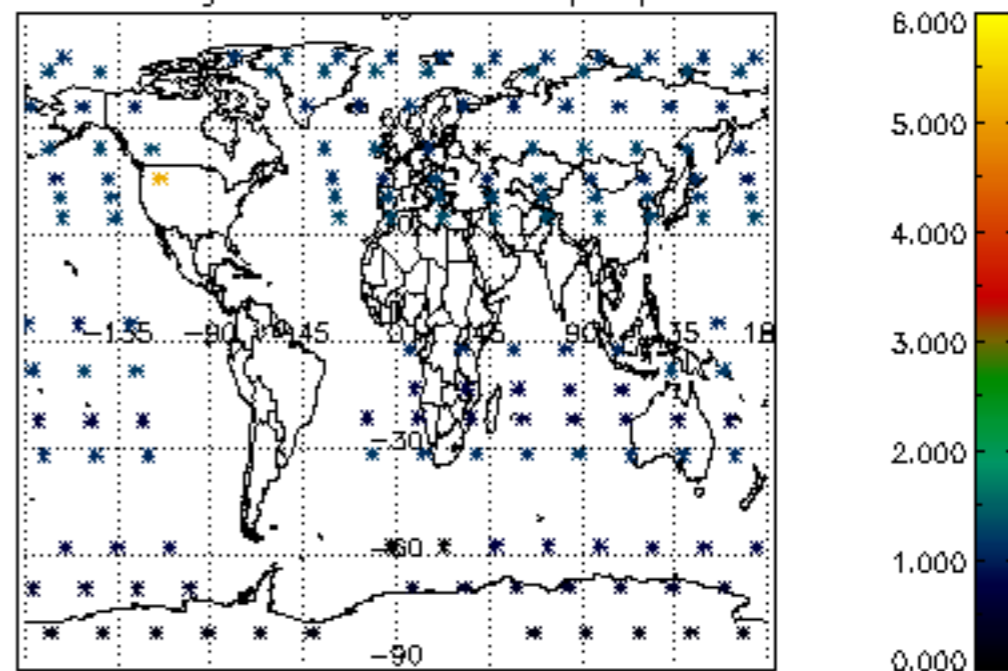




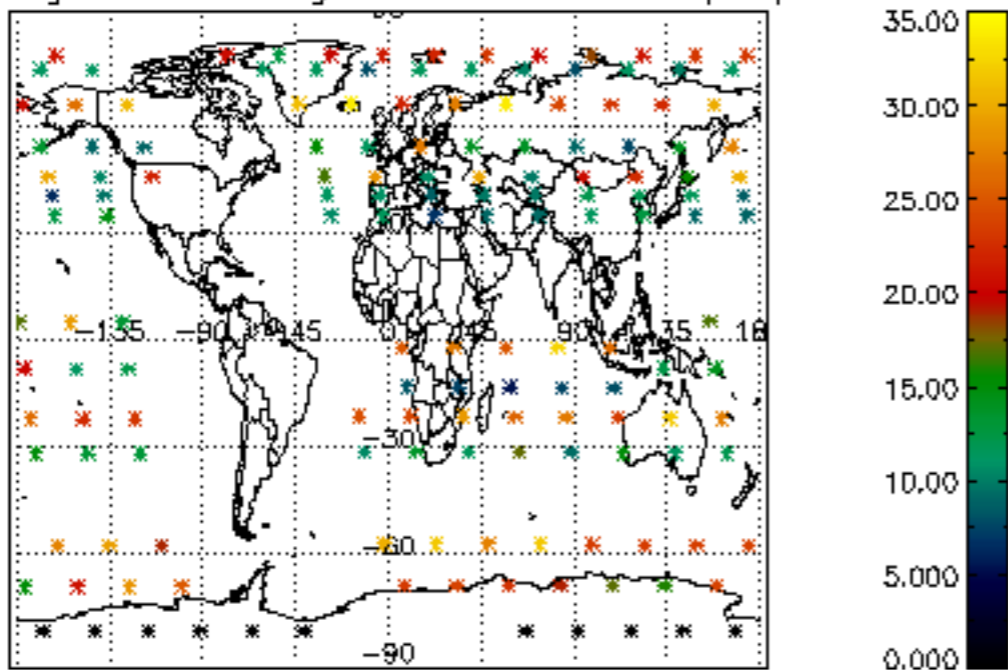
Percentage of cosmic ray hits per profile



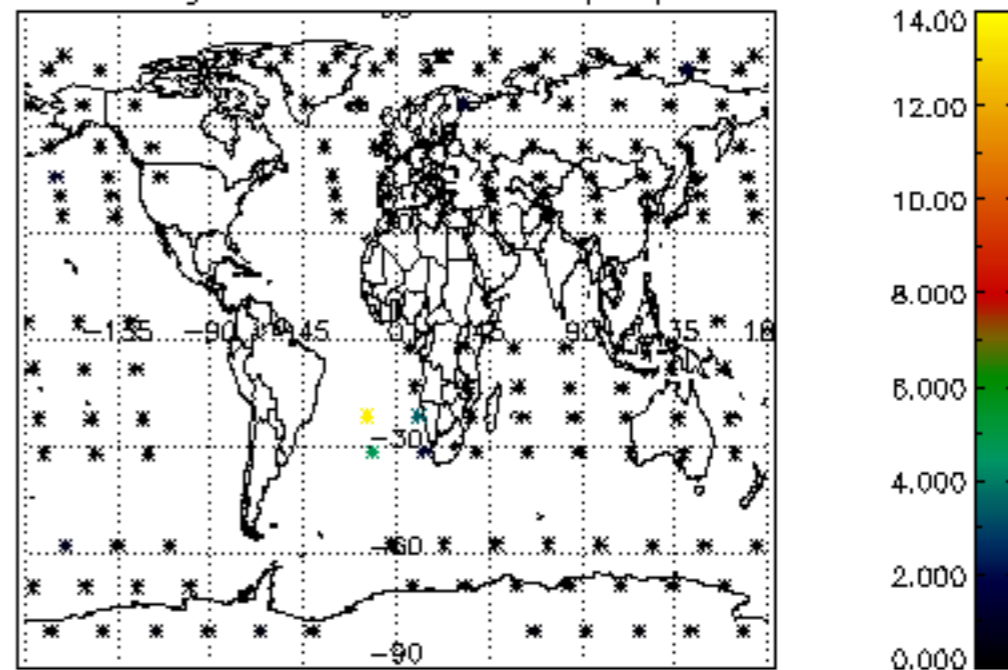
Percentage of datation errors per profile



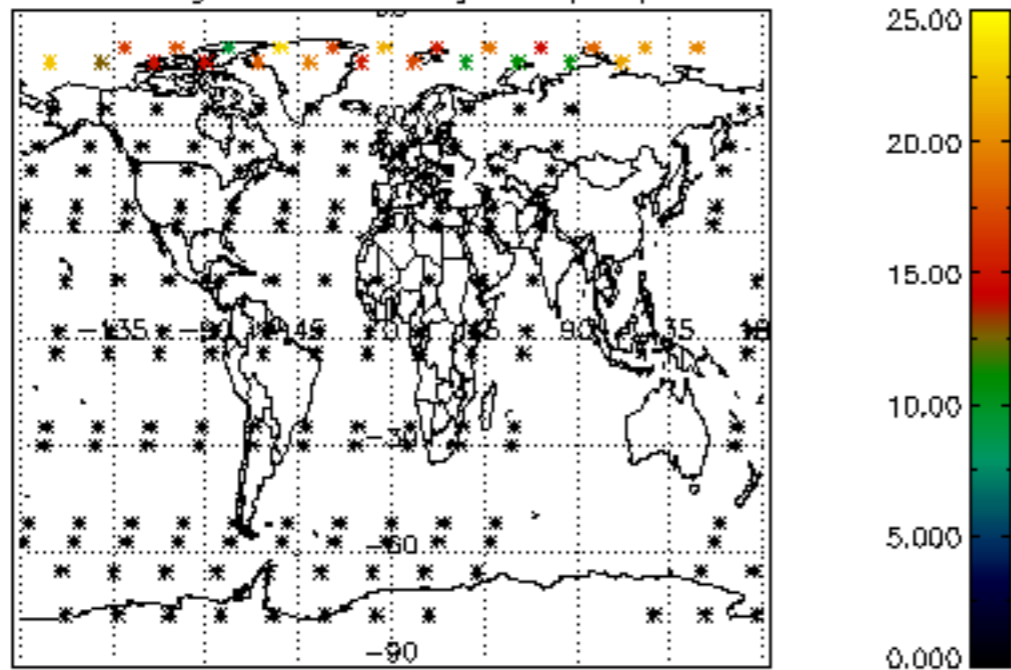
Percentage of star falling outside central band per profile



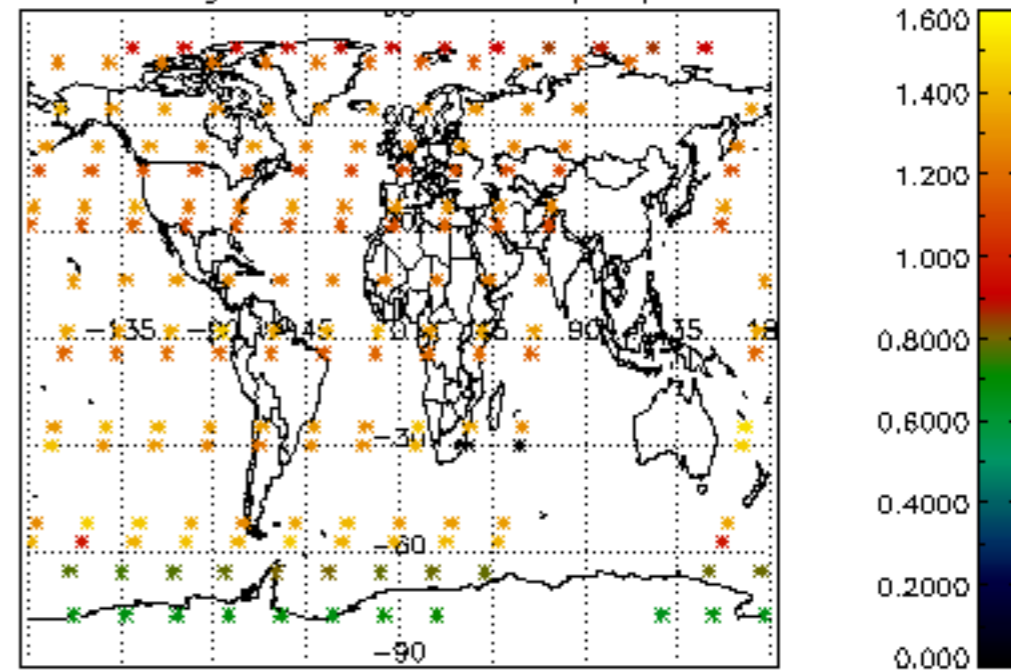
Percentage of saturation errors per profile



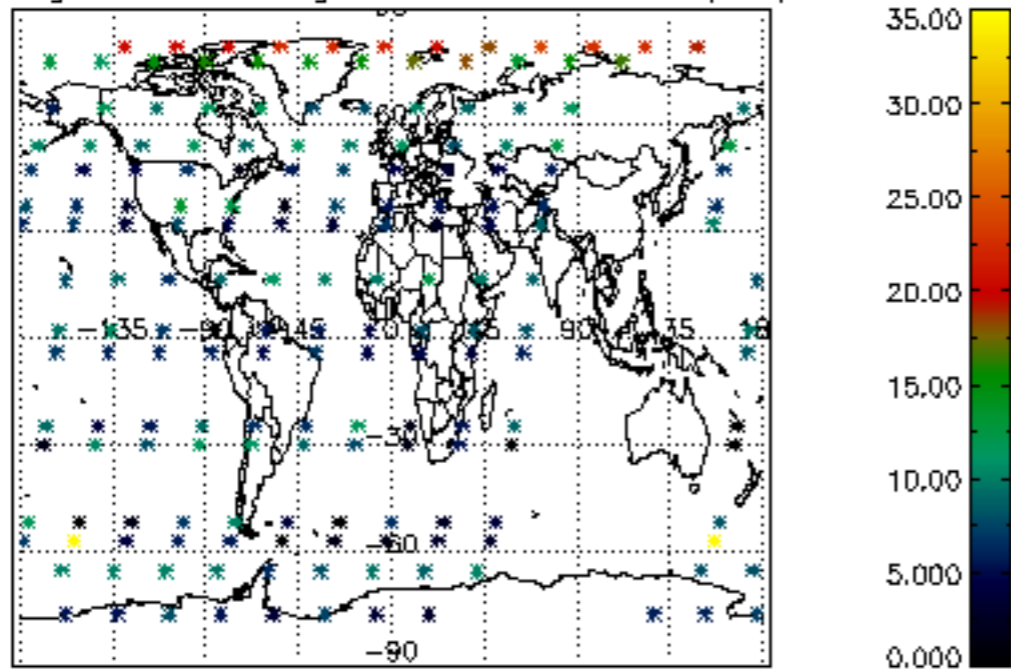
Percentage of cosmic ray hits per profile



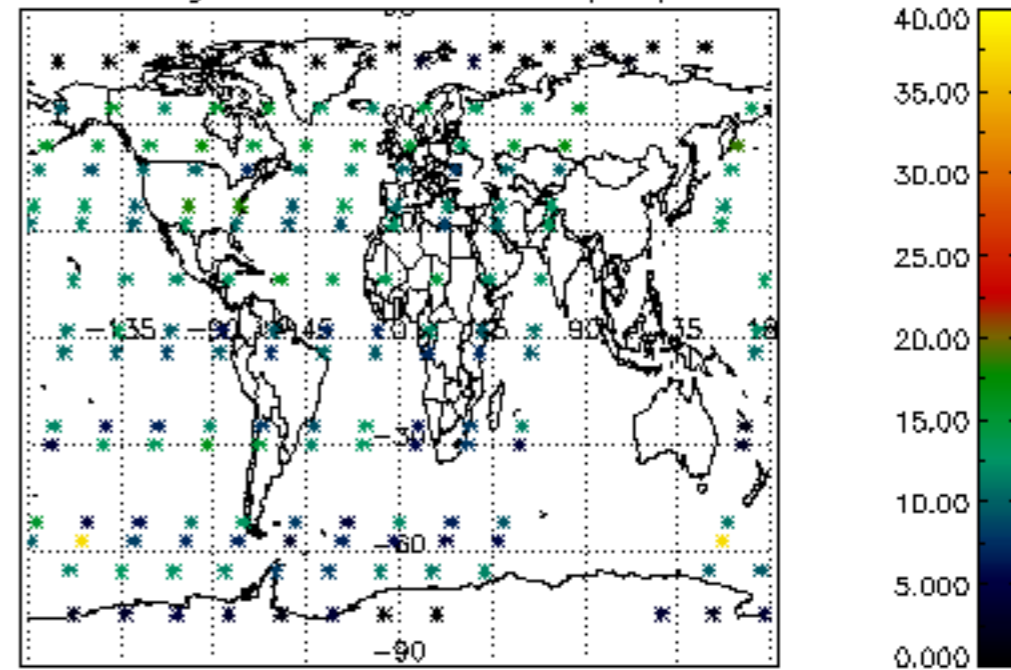
Percentage of datation errors per profile

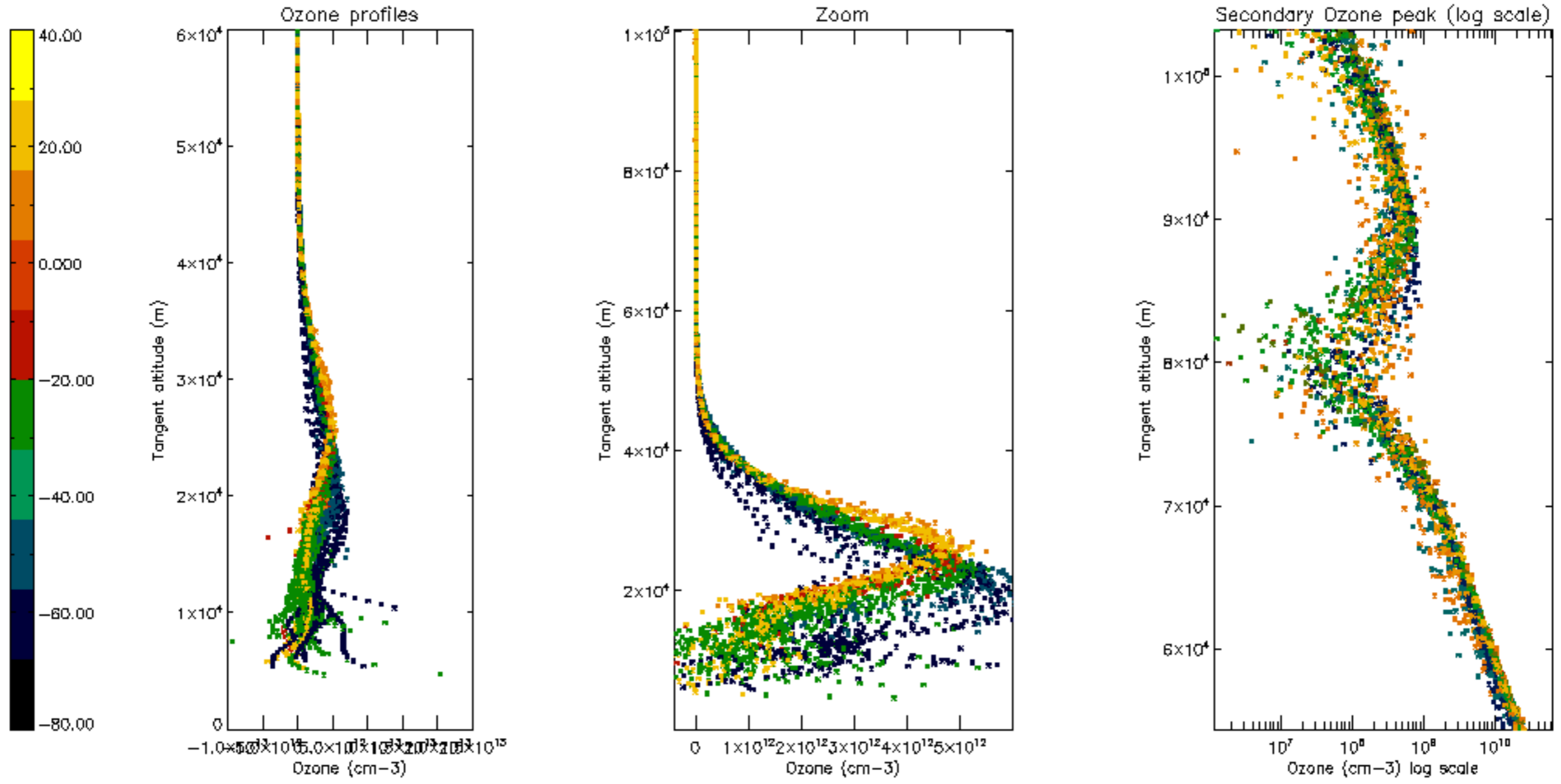


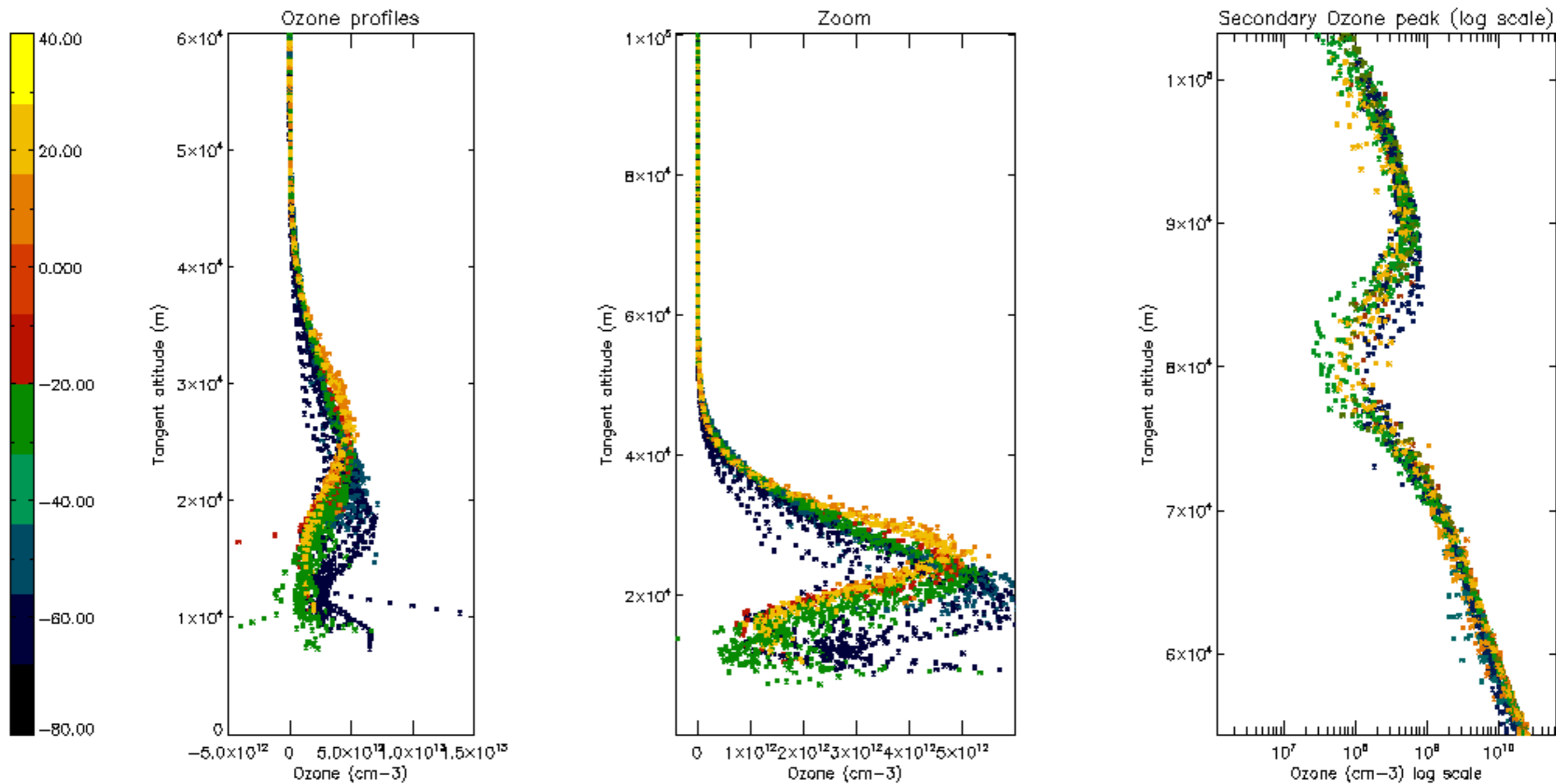
Percentage of star falling outside central band per profile

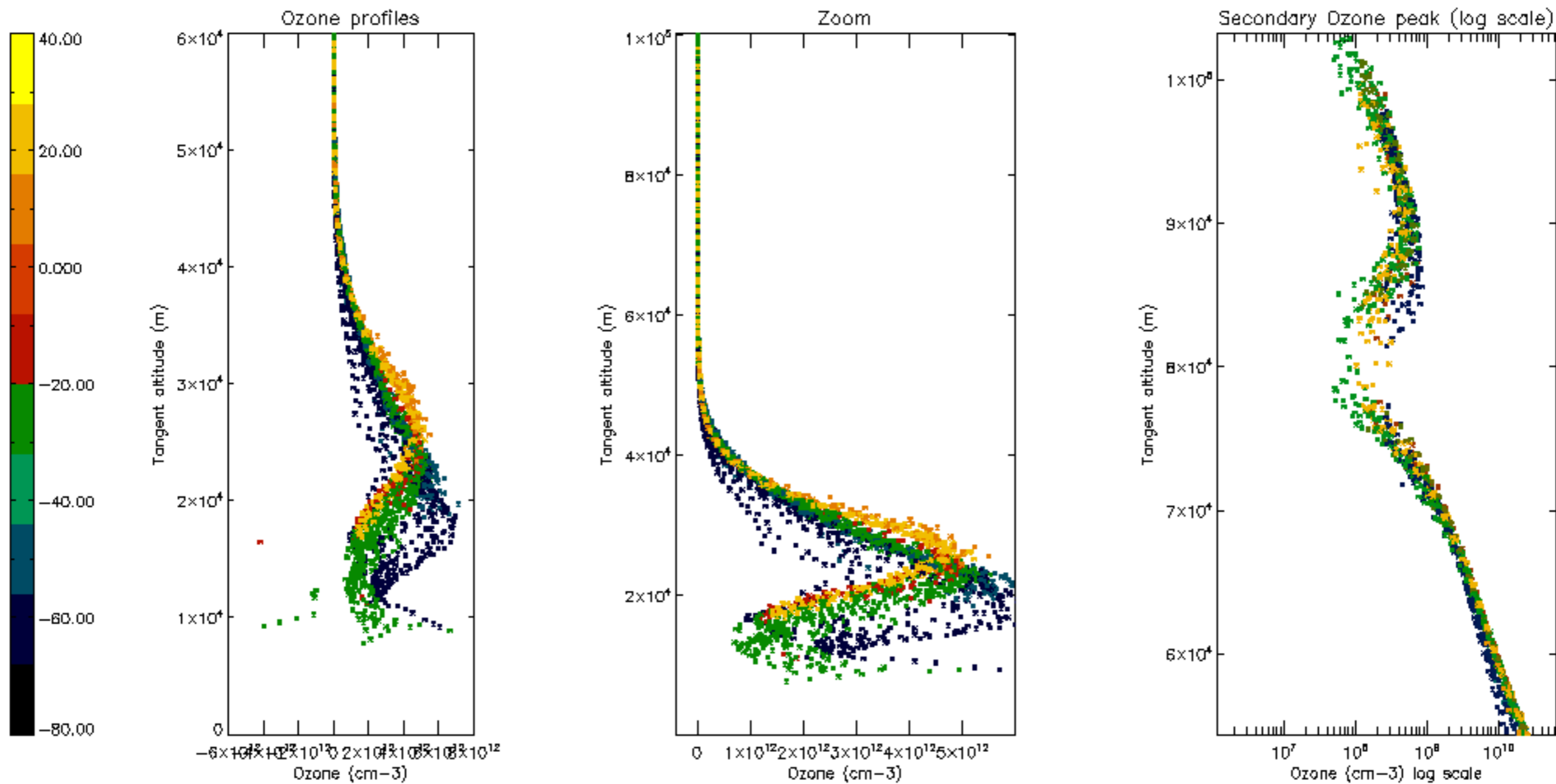


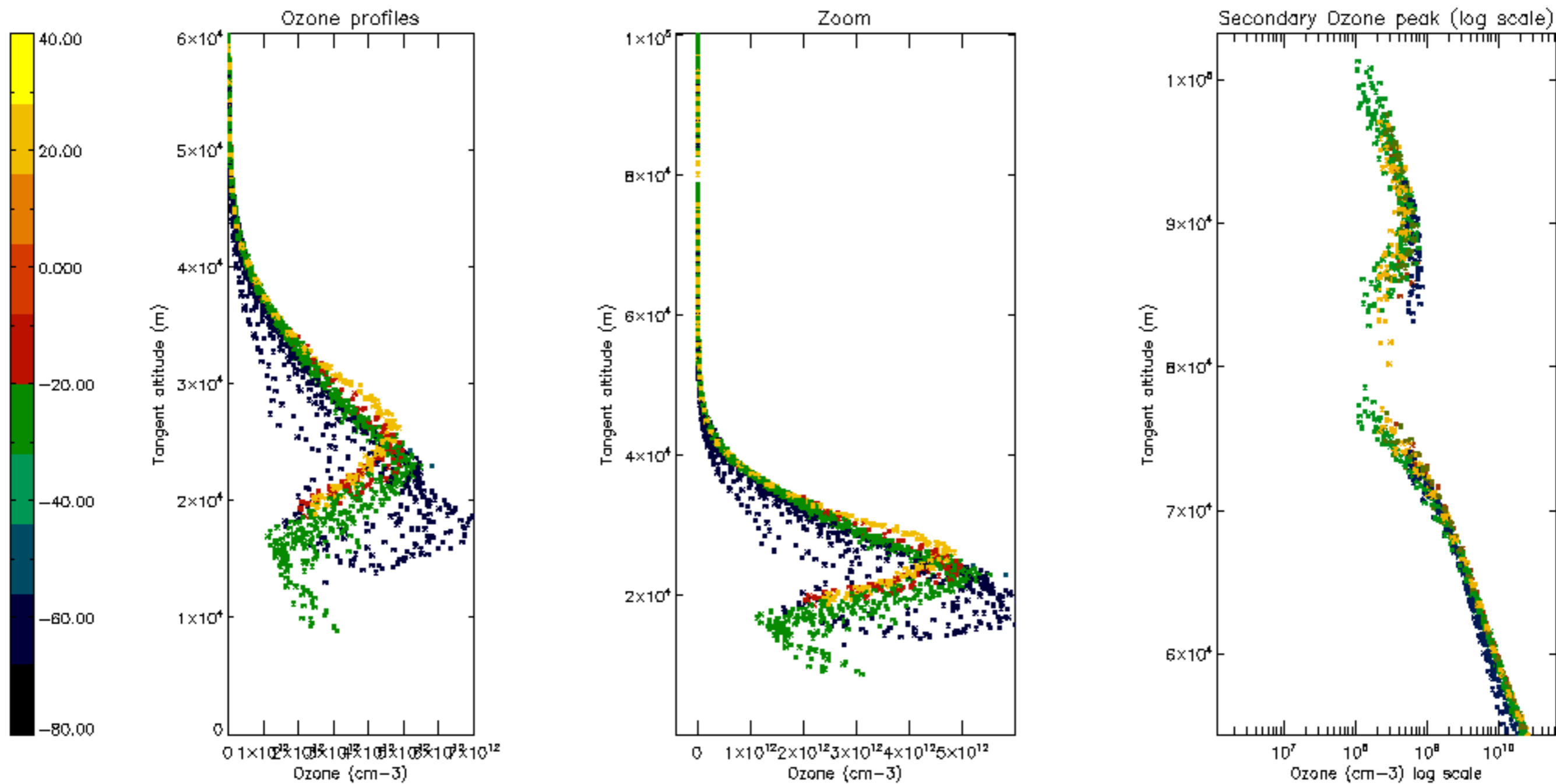
Percentage of saturation errors per profile

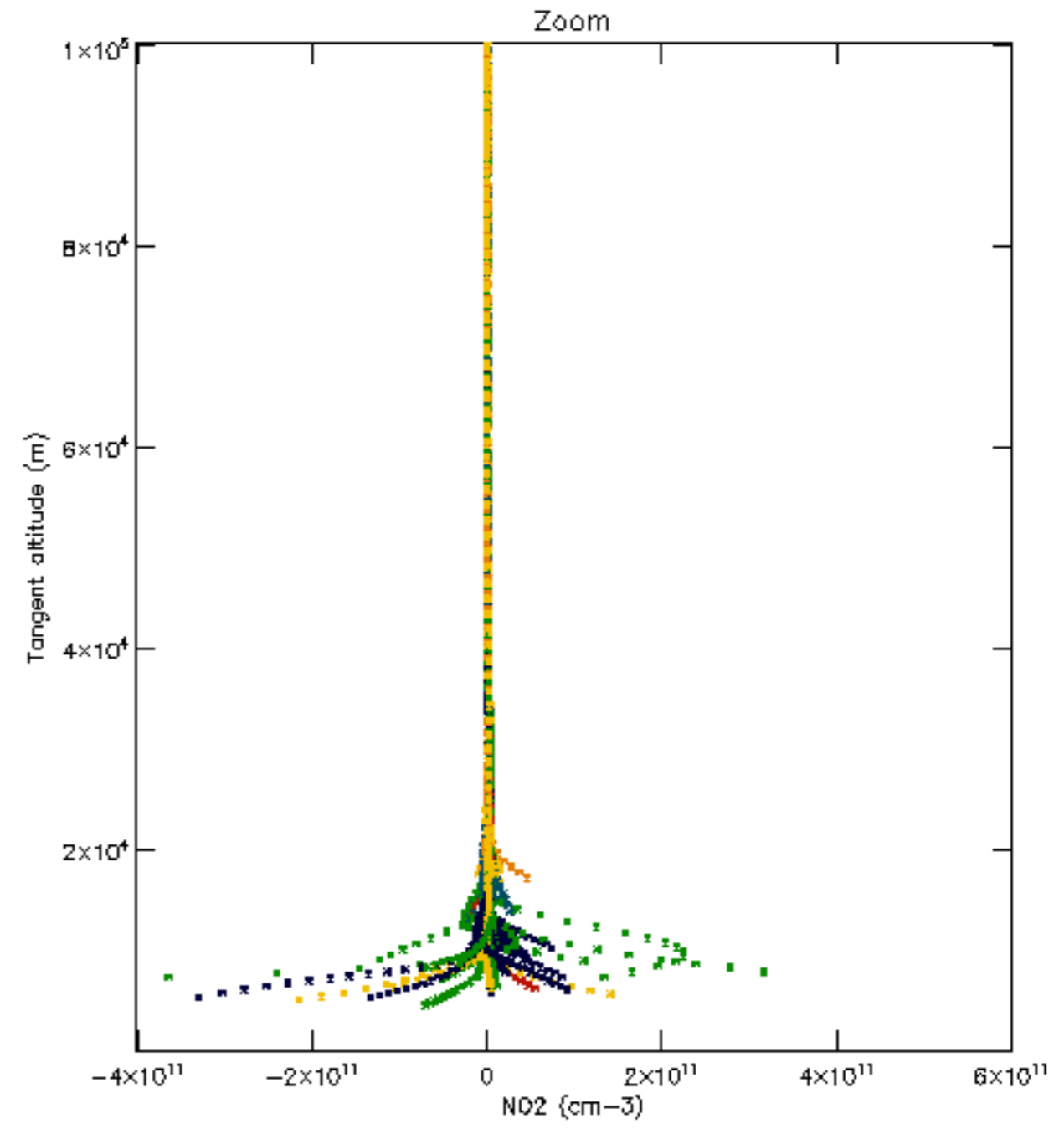
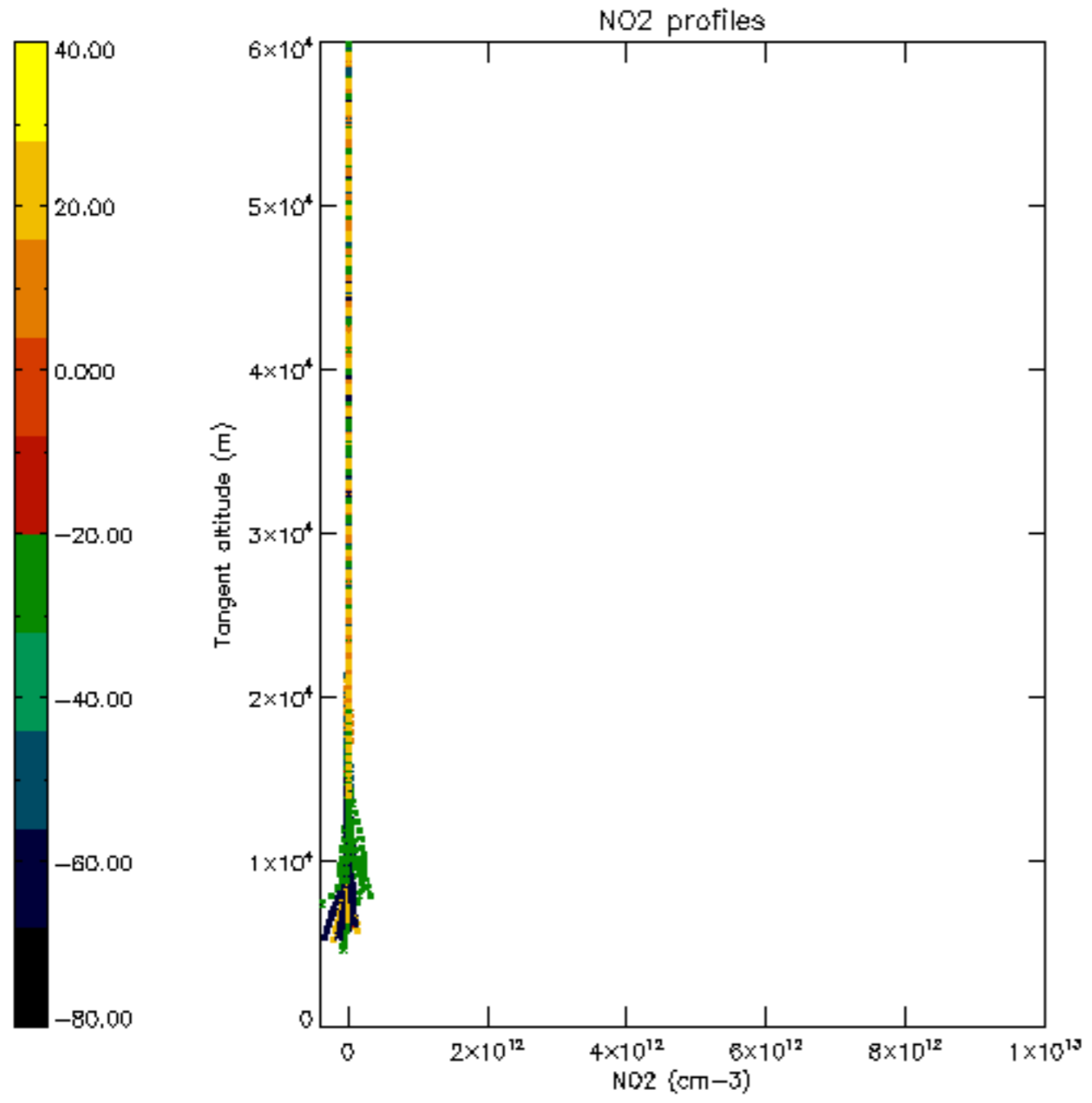


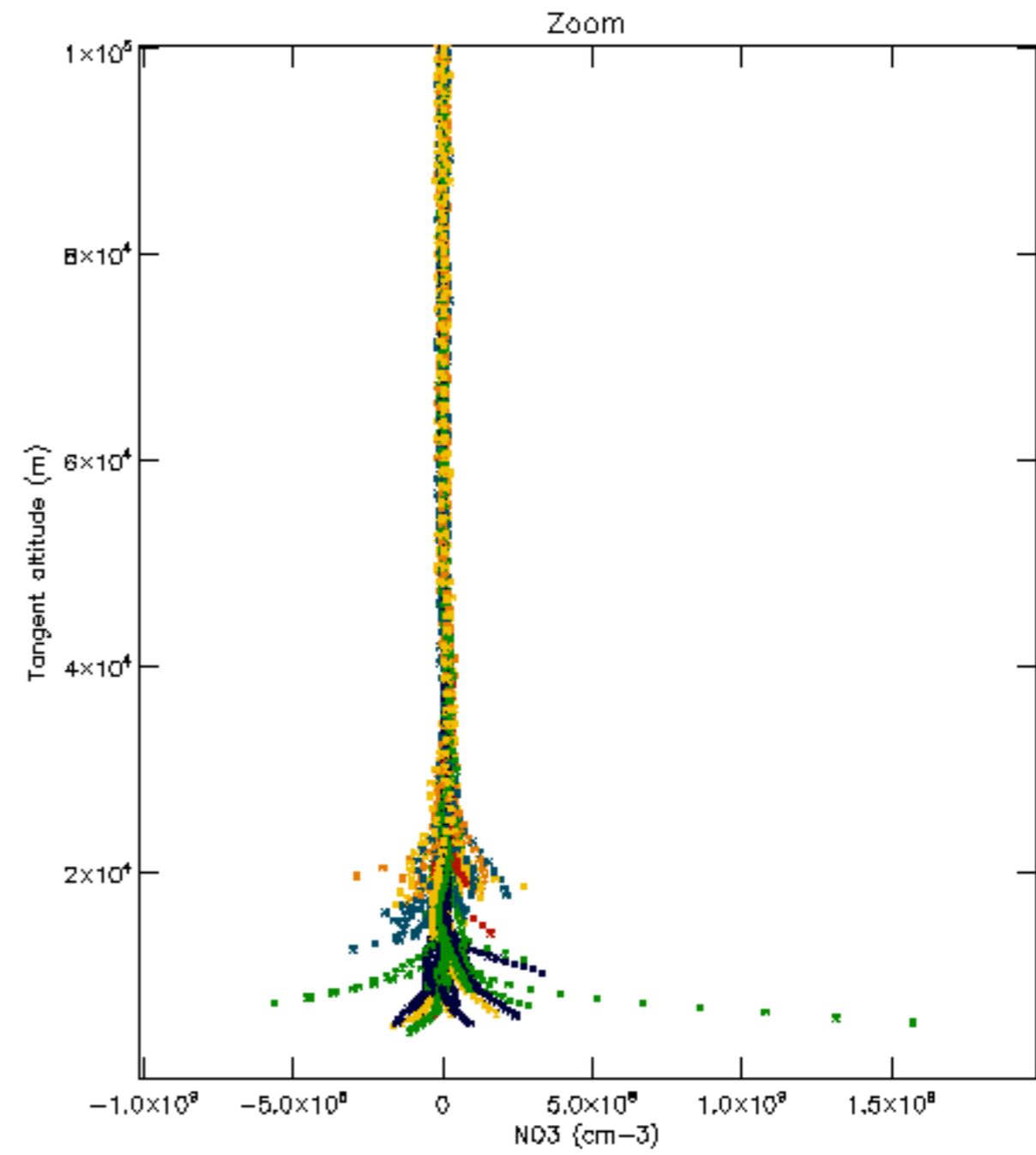
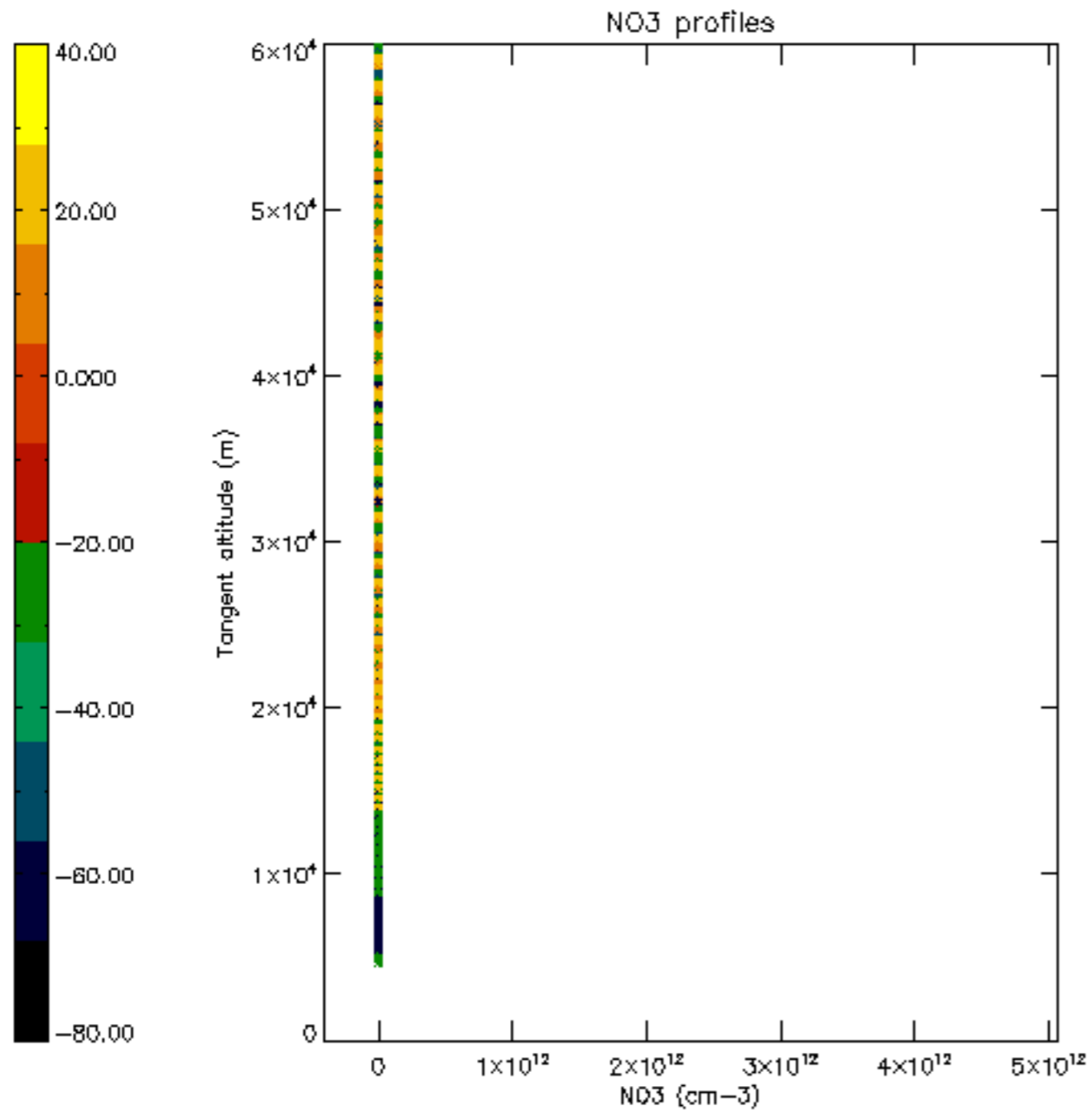


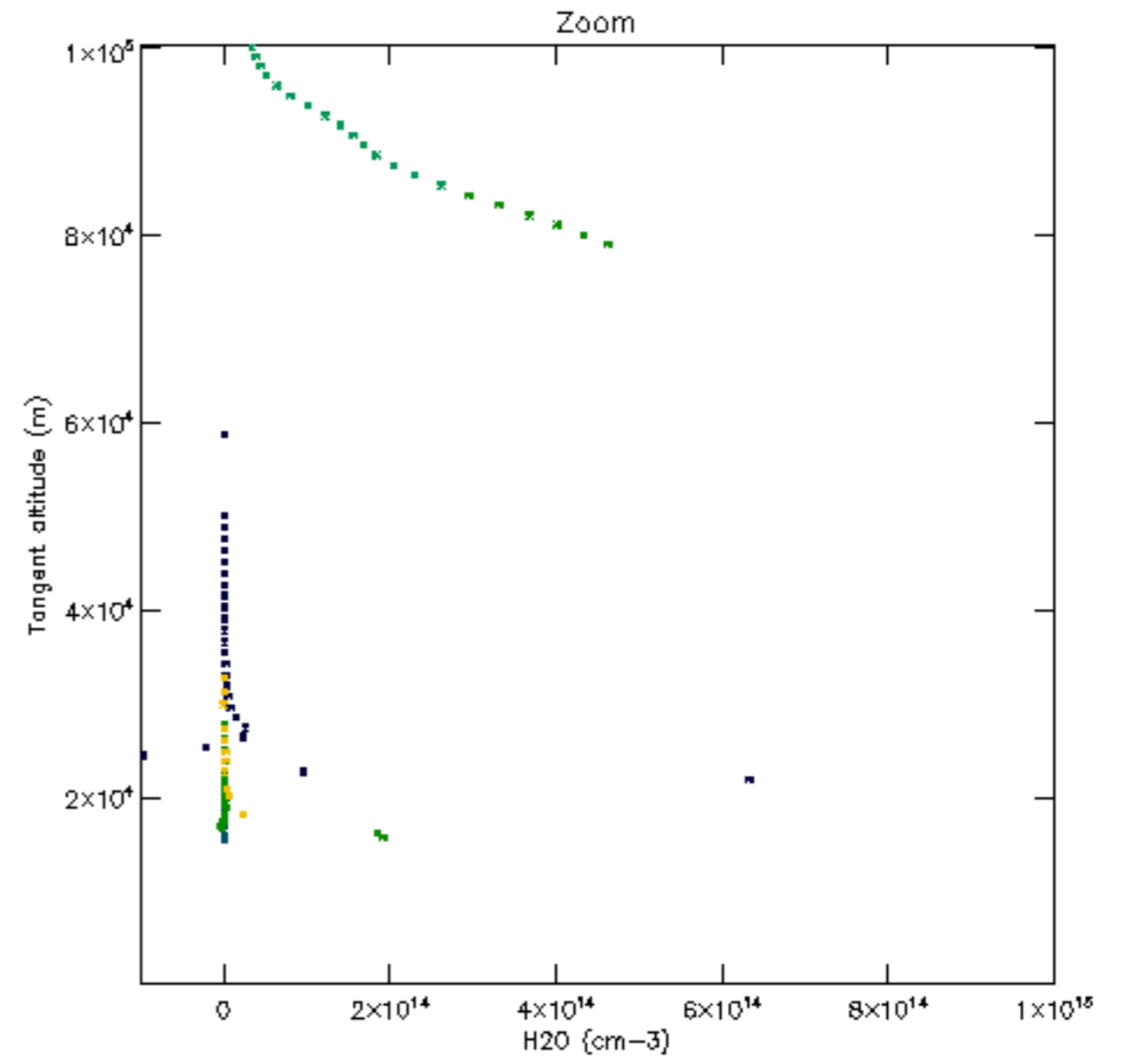
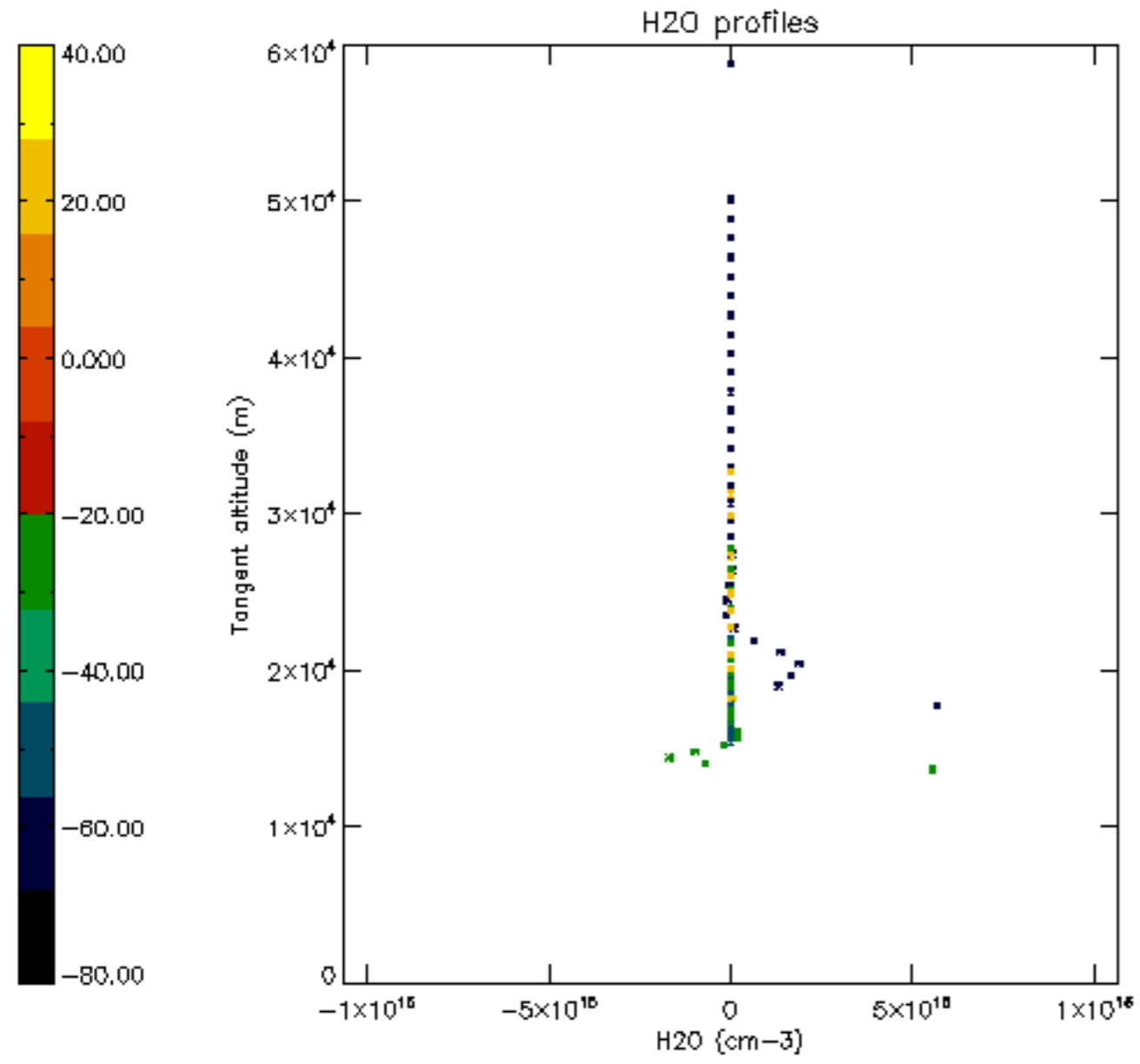


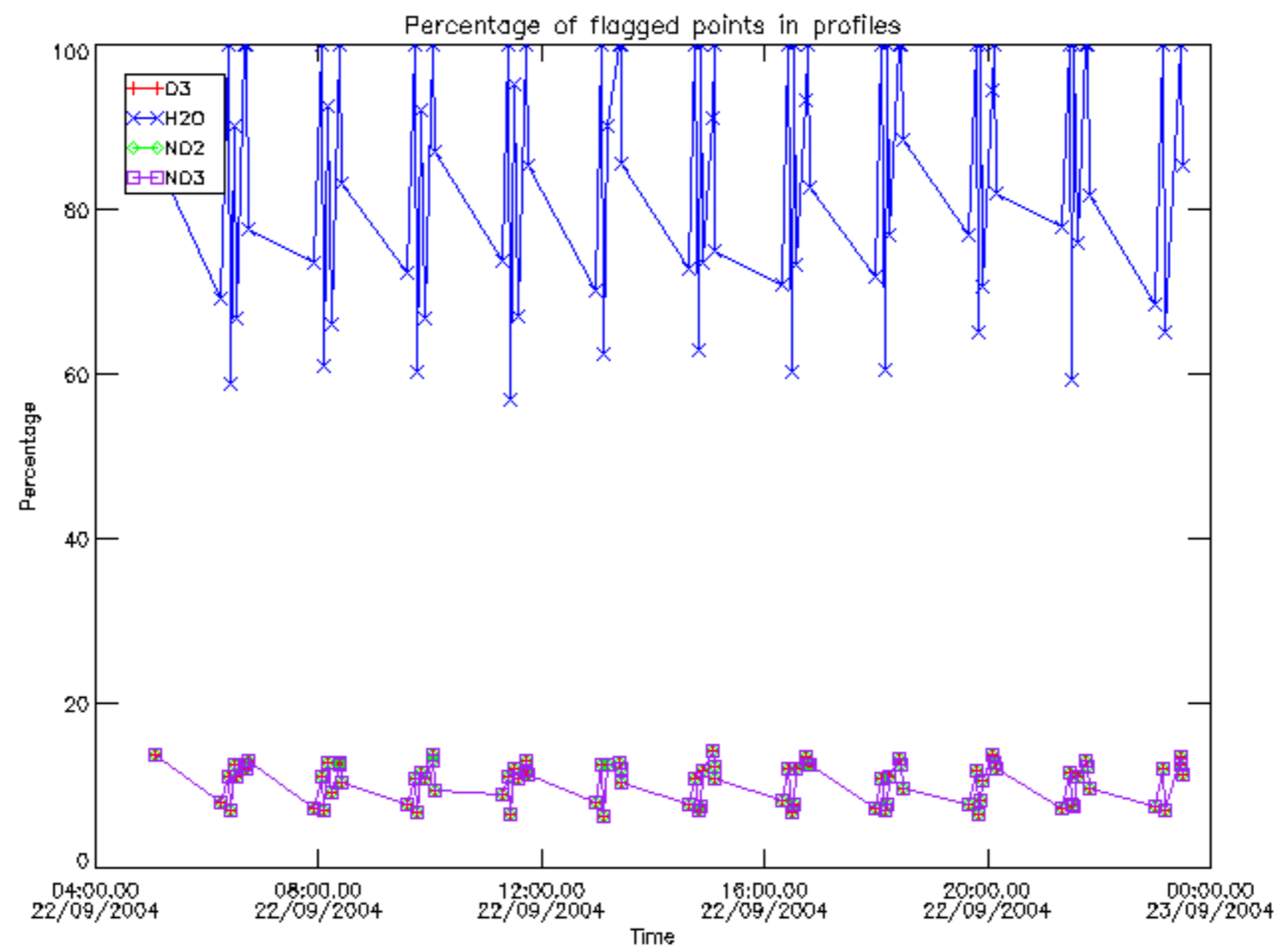




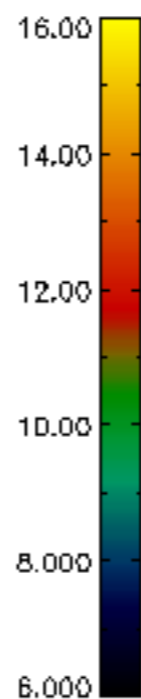
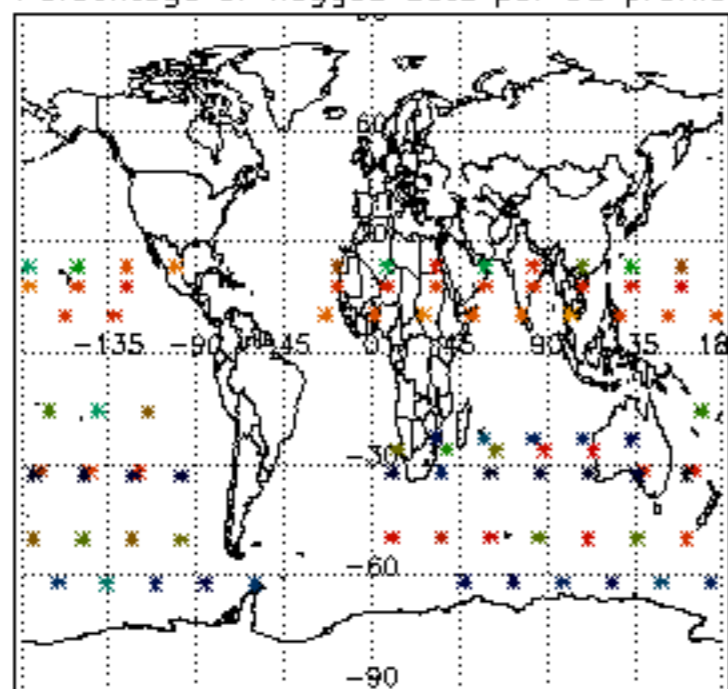




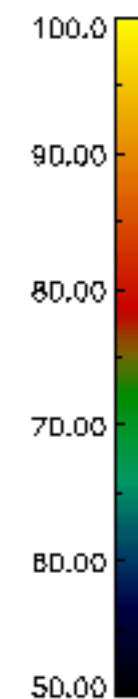
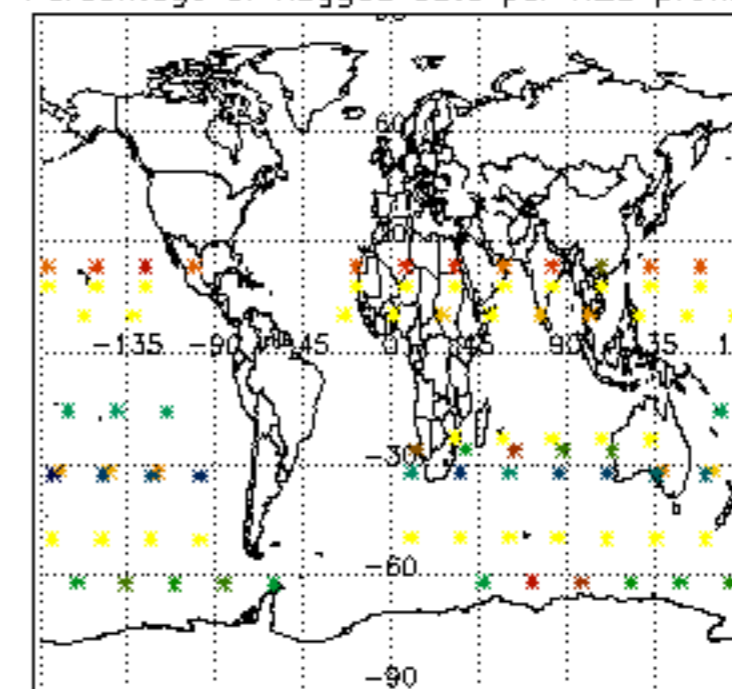




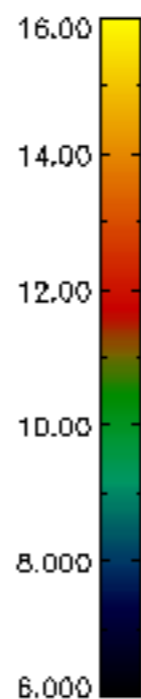
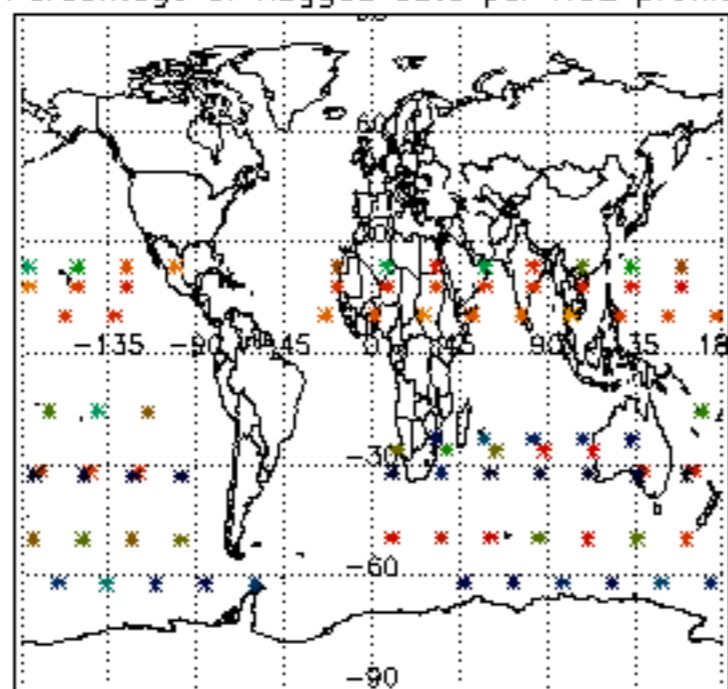
Percentage of flagged data per D3 profile



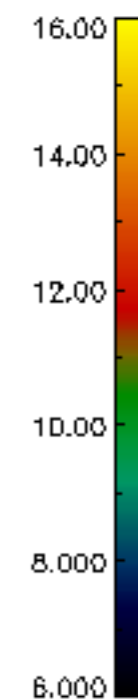
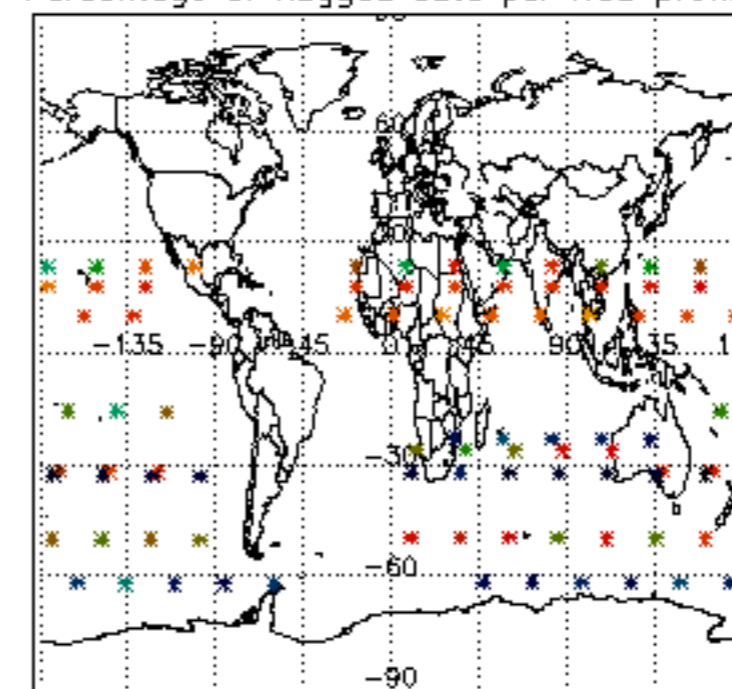
Percentage of flagged data per H2O profile

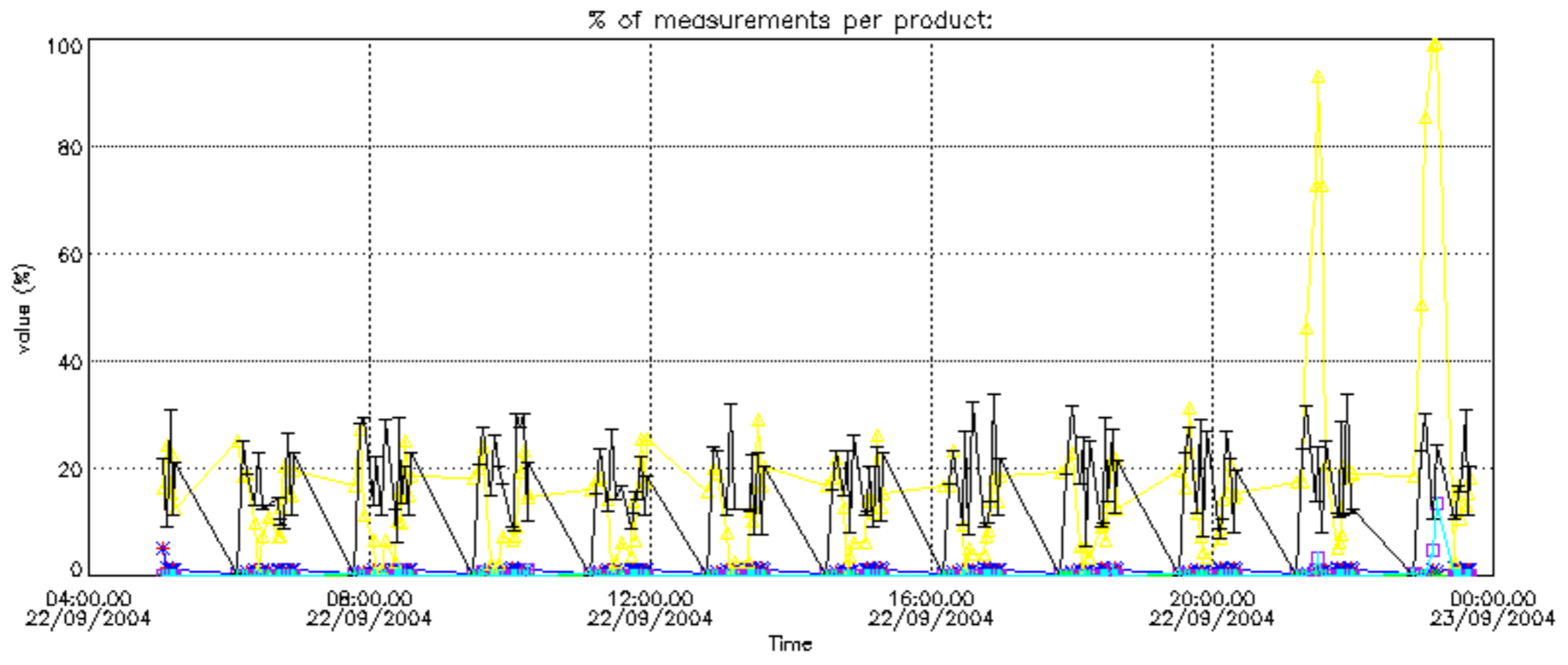


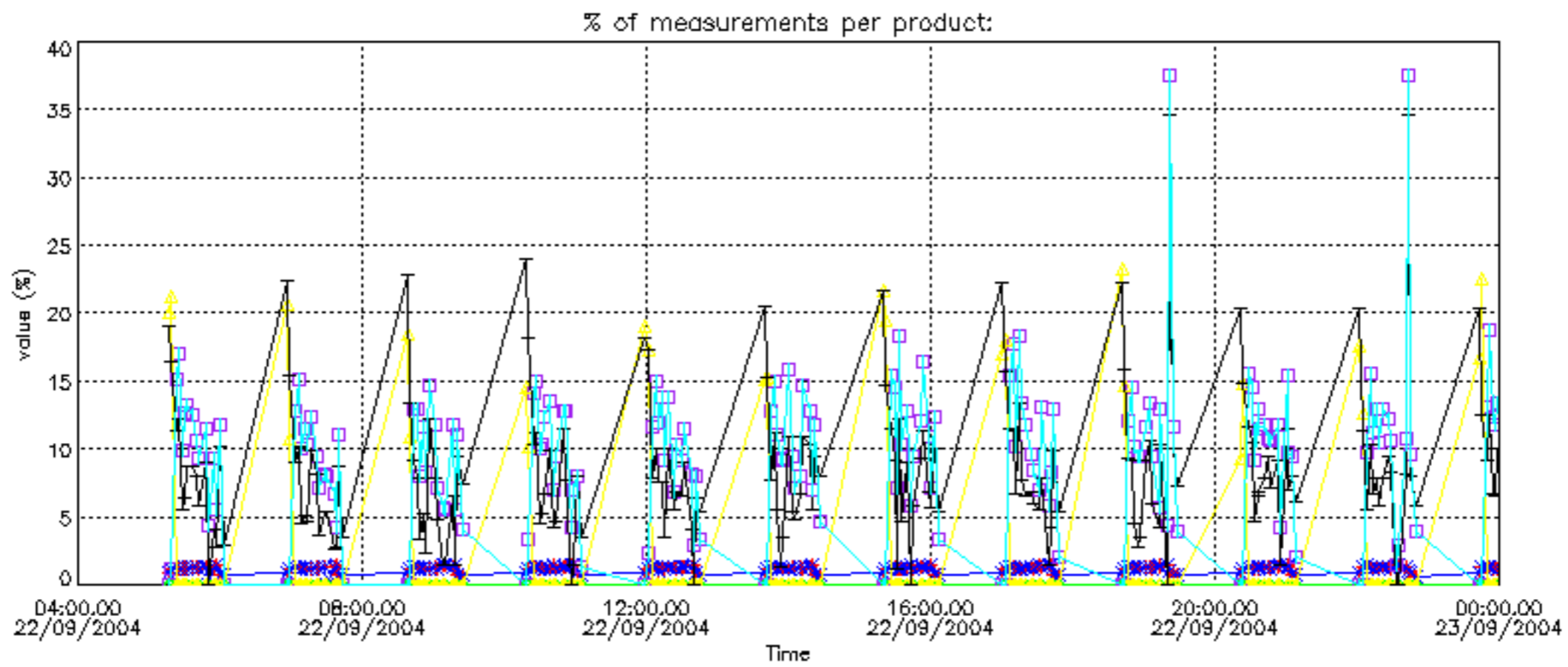
Percentage of flagged data per NO2 profile



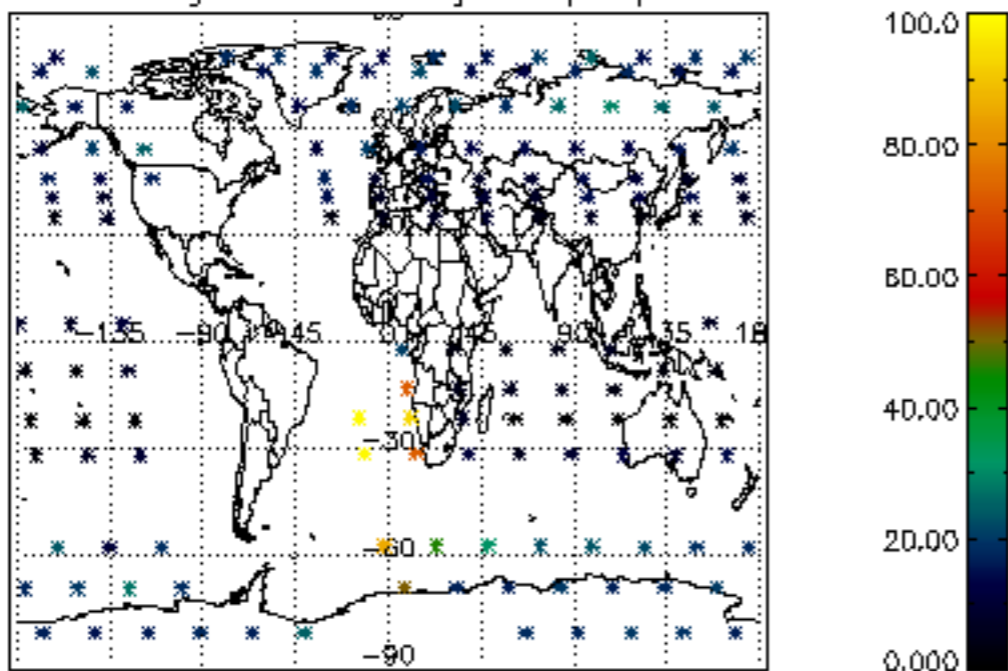
Percentage of flagged data per NO3 profile



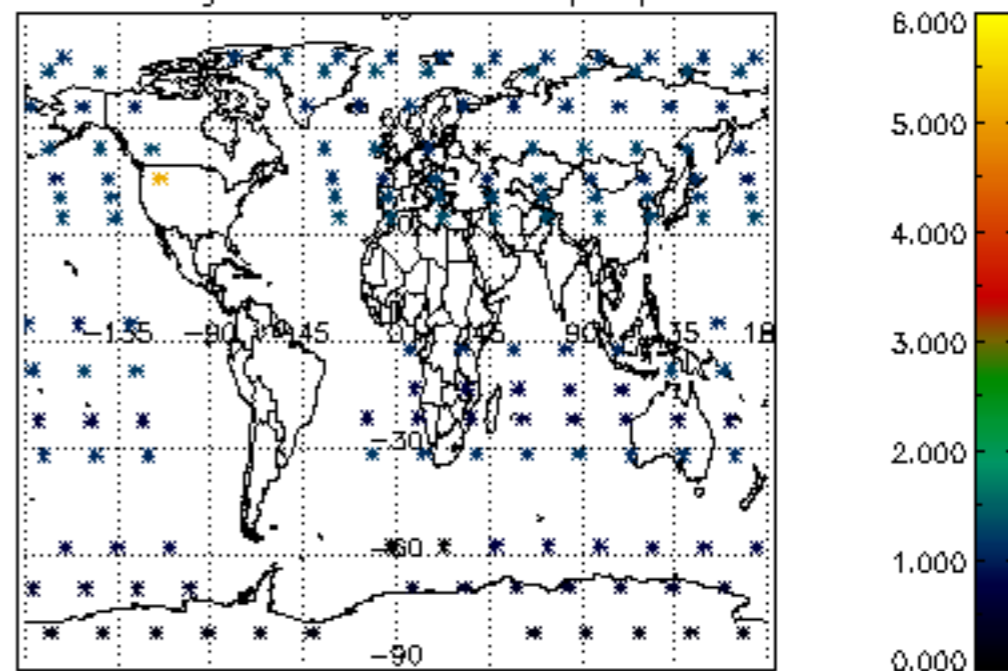




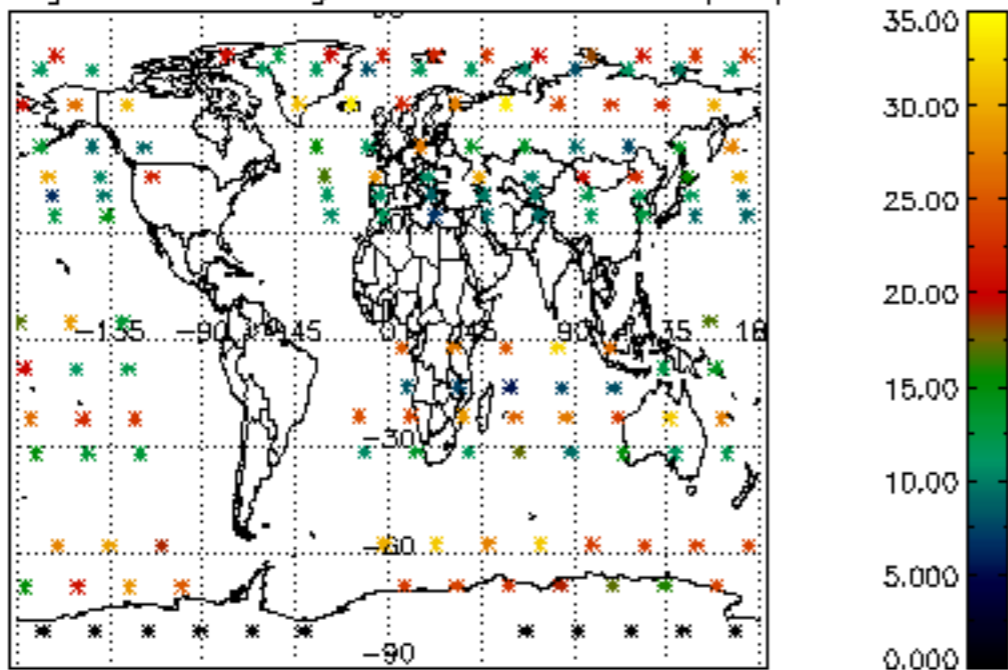
Percentage of cosmic ray hits per profile



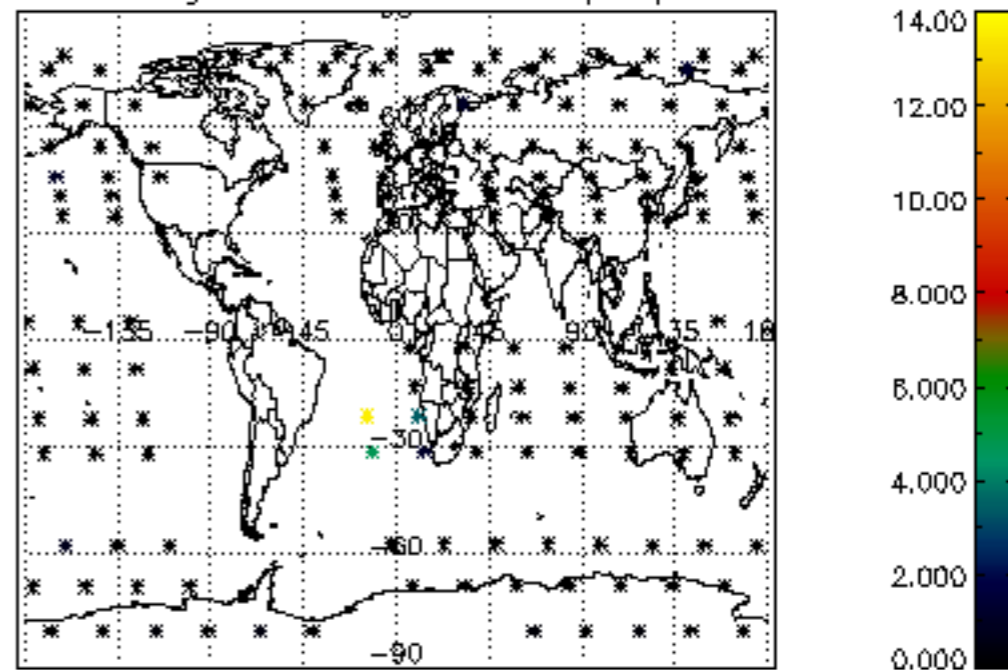
Percentage of datation errors per profile



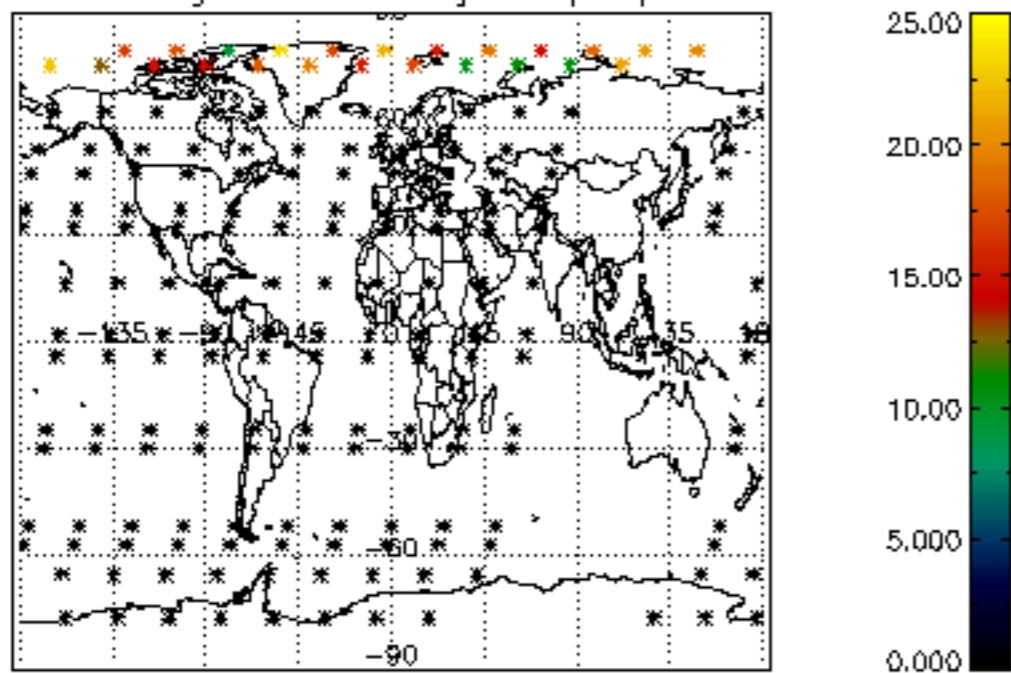
Percentage of star falling outside central band per profile



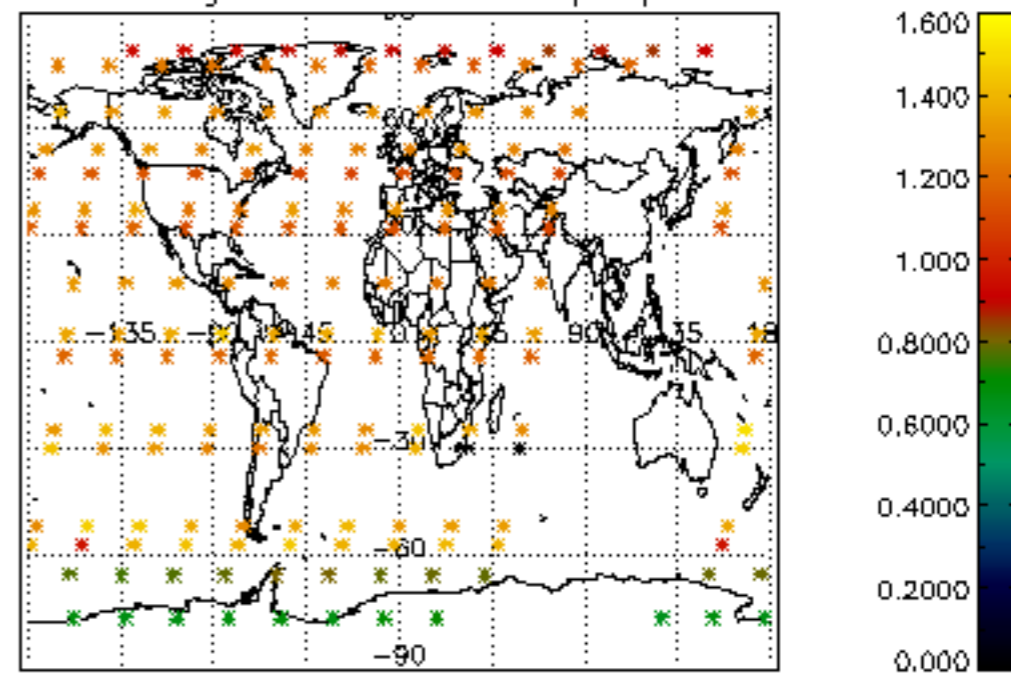
Percentage of saturation errors per profile



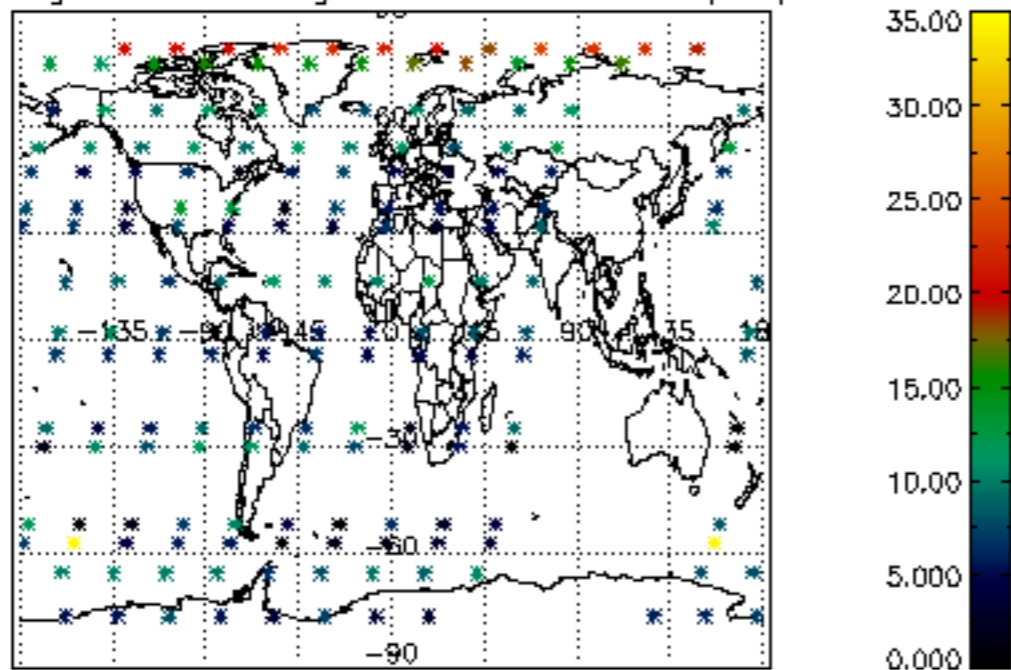
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

