

GOMOS Level 2 Daily Report

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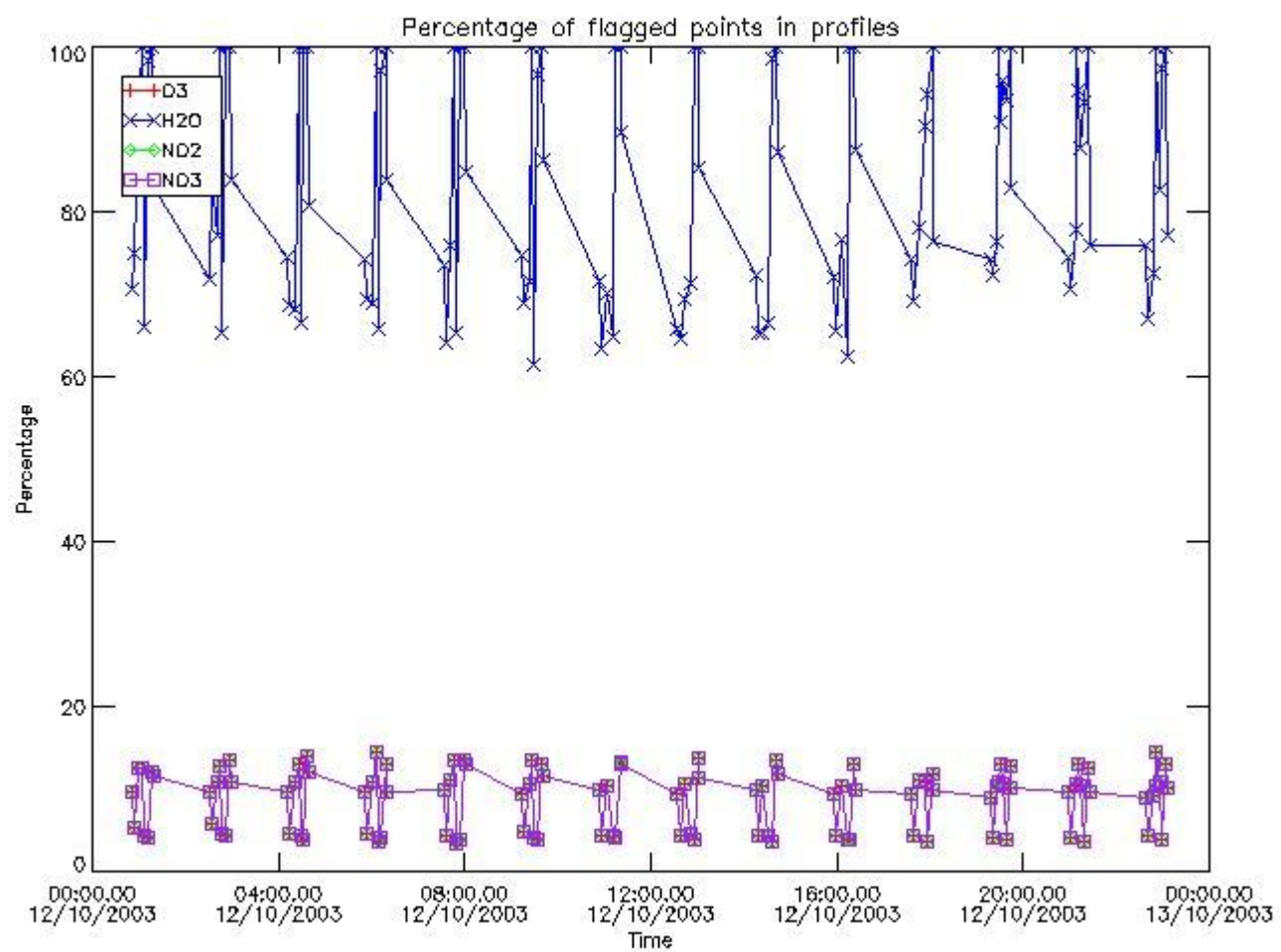
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| | | | | | | | | | | | |
|-----|--|----------------------|--------|--------|-----|-----------|----------|--------|-----|------|----|
| 397 | GOM_NL__2PRFIN20031012_234324_000000492020_00388_08458_0144.N1 | 12-OCT-2003 23:43:24 | Bright | 49.000 | 160 | 23Gam Per | 2.9300 | 4700.0 | 98 | 8458 | No |
| 398 | GOM_NL__2PRFIN20031012_234503_000000582020_00388_08458_0145.N1 | 12-OCT-2003 23:45:03 | Bright | 58.000 | 175 | 39Del Per | 3.0100 | 19400. | 116 | 8458 | No |
| 399 | GOM_NL__2PRFIN20031012_234826_000000372020_00388_08458_0146.N1 | 12-OCT-2003 23:48:26 | Bright | 37.000 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 74 | 8458 | No |
| 400 | GOM_NL__2PRFIN20031012_235117_000000362020_00388_08458_0147.N1 | 12-OCT-2003 23:51:17 | Bright | 36.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 72 | 8458 | No |
| 401 | GOM_NL__2PRFIN20031012_235312_000000952020_00388_08458_0148.N1 | 12-OCT-2003 23:53:12 | Bright | 94.500 | 6 | 13Alp Aur | 0.080000 | 3400.0 | 189 | 8458 | No |
| 402 | GOM_NL__2PRFIN20031012_235638_000000422020_00388_08458_0149.N1 | 12-OCT-2003 23:56:38 | Bright | 42.000 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 84 | 8458 | No |
| 403 | GOM_NL__2PRFIN20031012_235813_000000402020_00388_08458_0150.N1 | 12-OCT-2003 23:58:13 | Bright | 39.500 | 82 | 48Bet UMa | 2.3650 | 10600. | 79 | 8458 | No |

3. Quality information per product

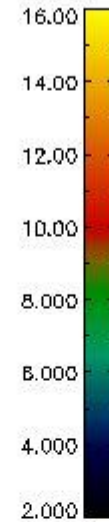
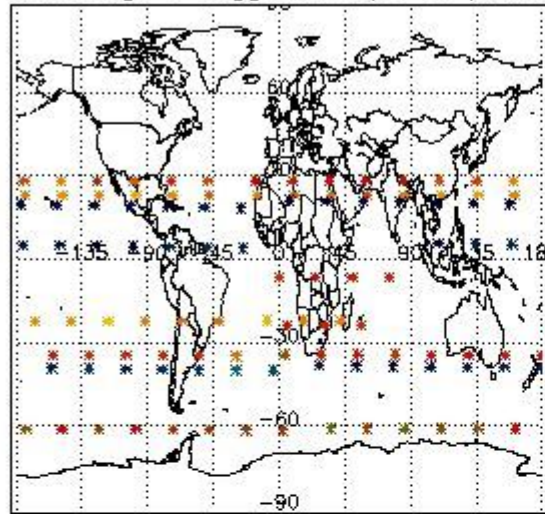
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

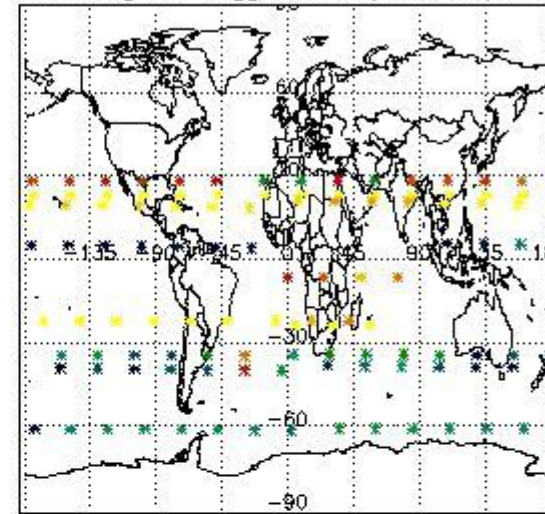


3.2 Plot quality information per product (world map)

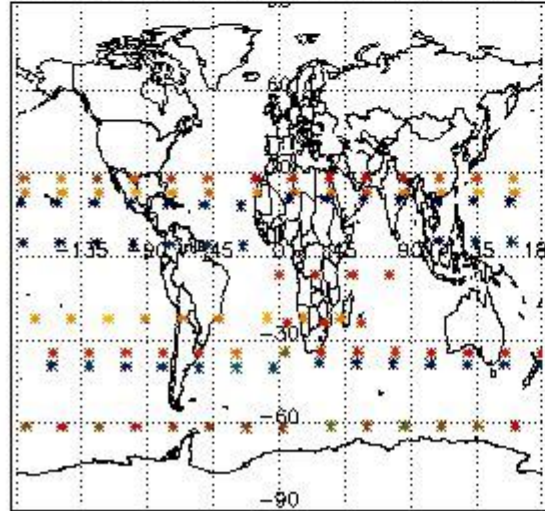
Percentage of flagged data per O3 profile



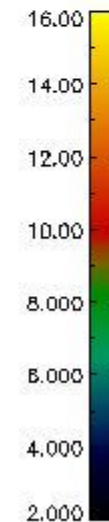
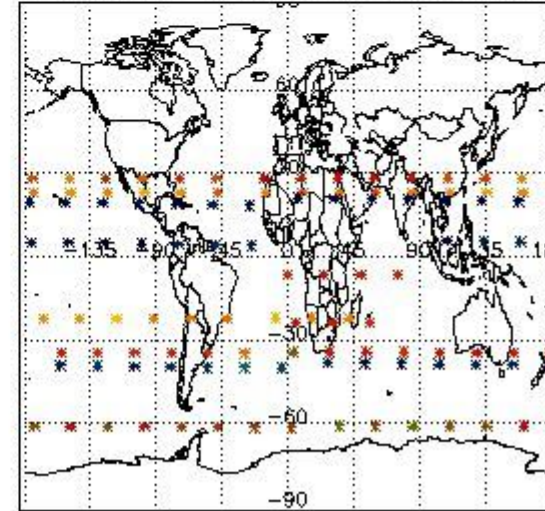
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

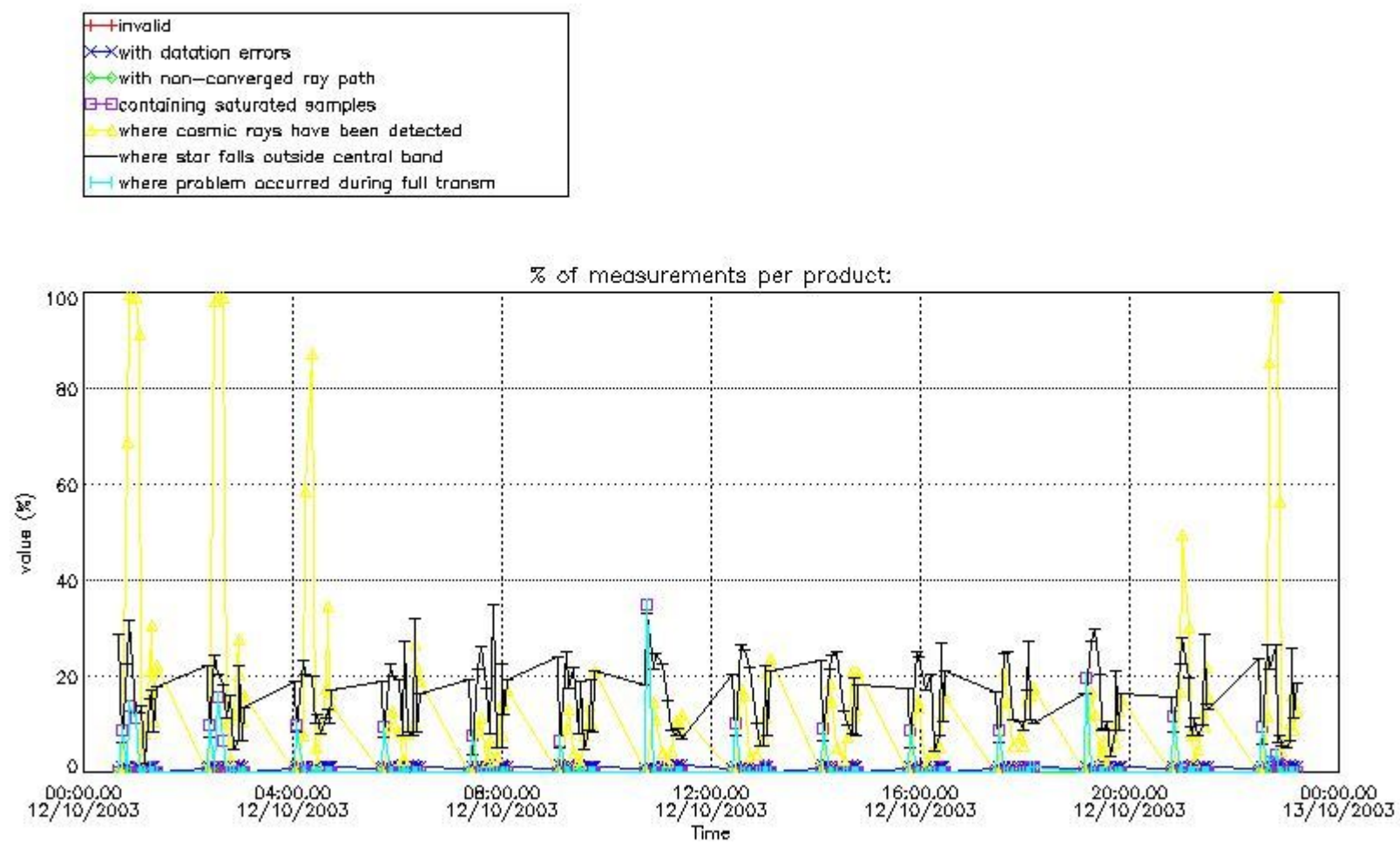


4. Level 1 quality information per product

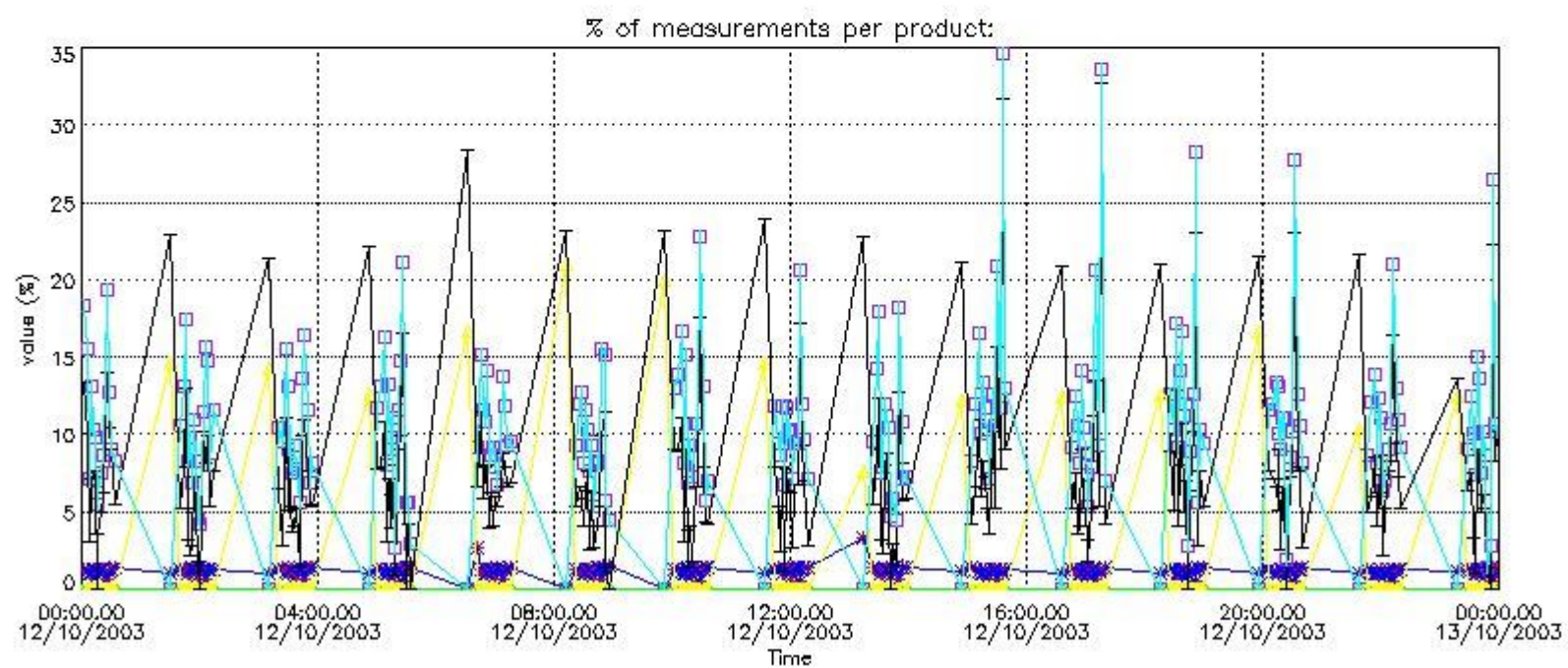
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



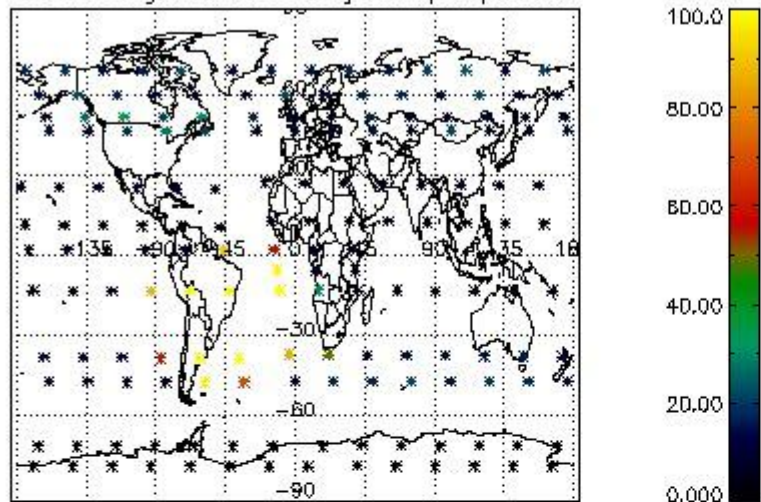
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



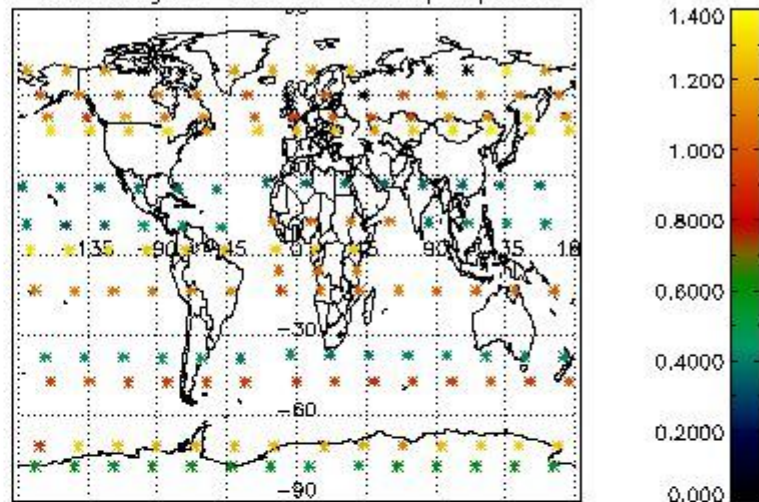
4.2 Plot quality information per product coming from level 1b processing (world map)

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

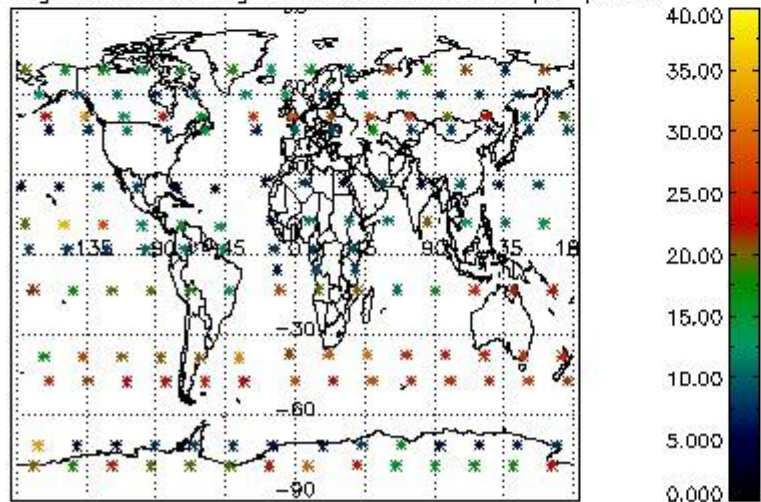
Percentage of cosmic ray hits per profile



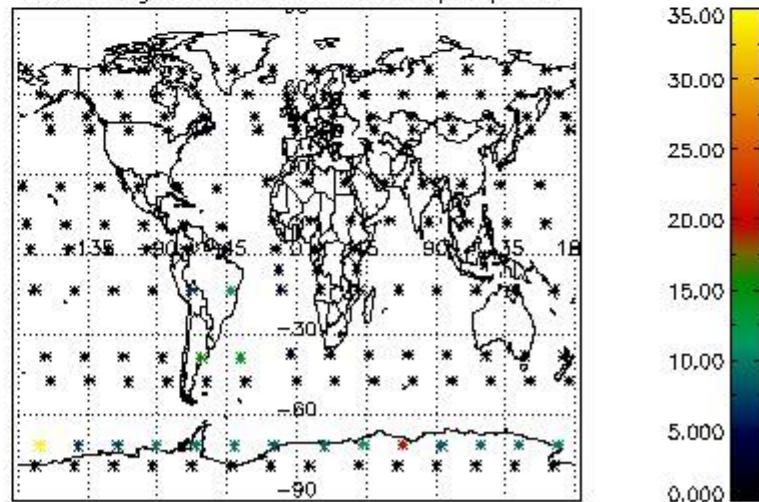
Percentage of datation errors per profile



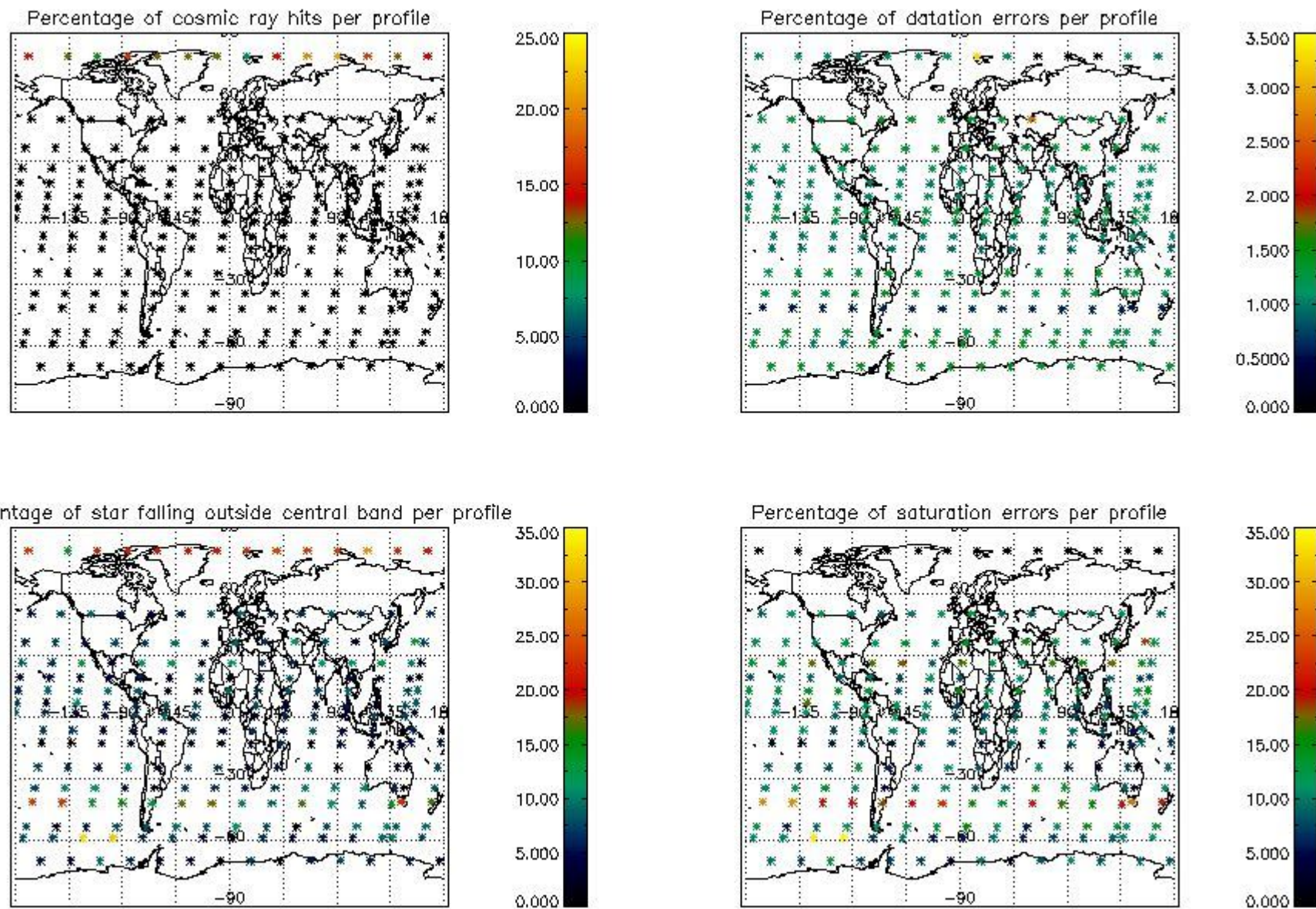
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



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

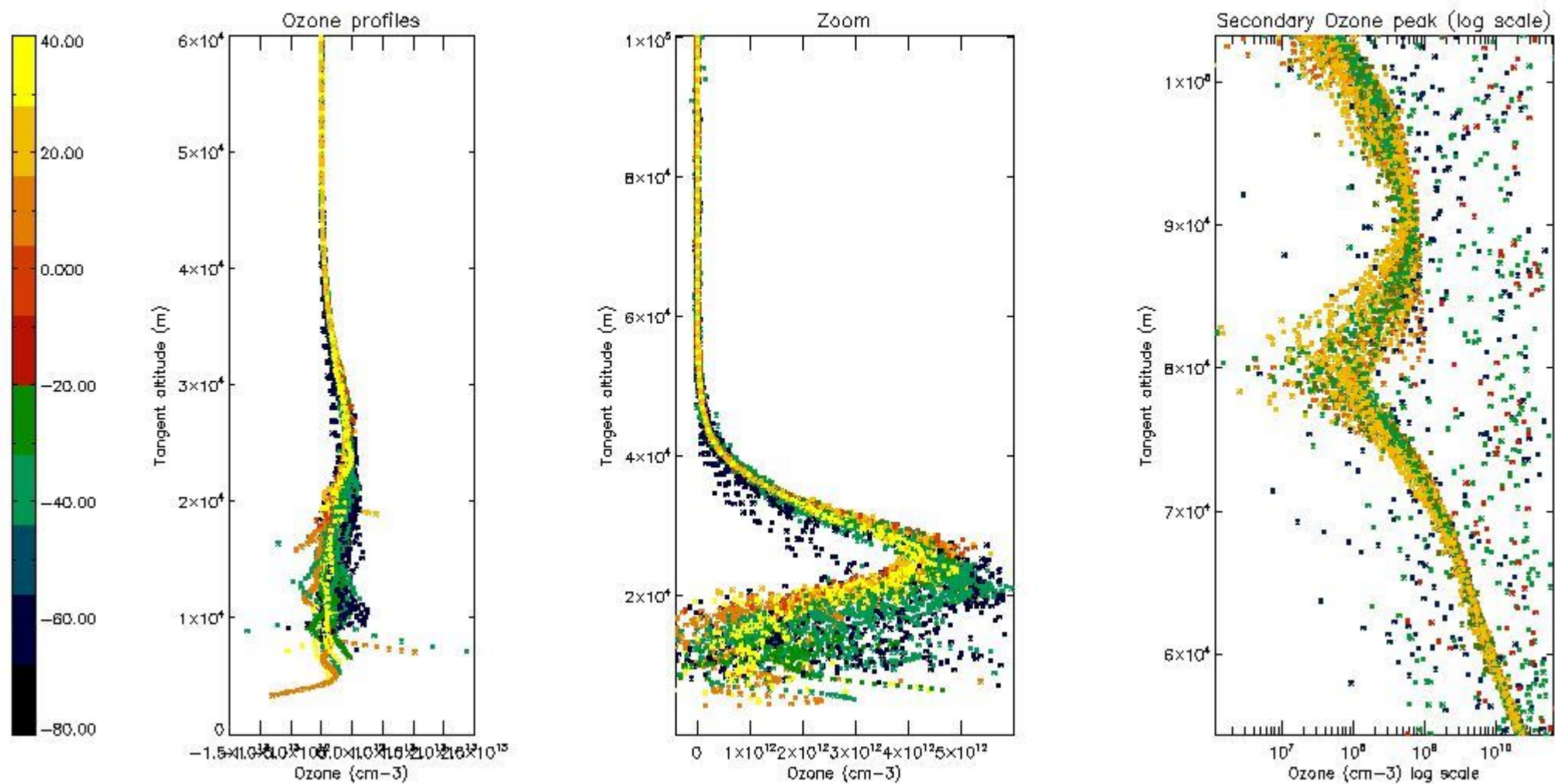
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

| Criteria | % of total production |
|----------|-----------------------|
| All STD | 39 |
| STD < 20 | 25 |

| | |
|----------|----|
| STD < 10 | 22 |
| STD < 5 | 17 |

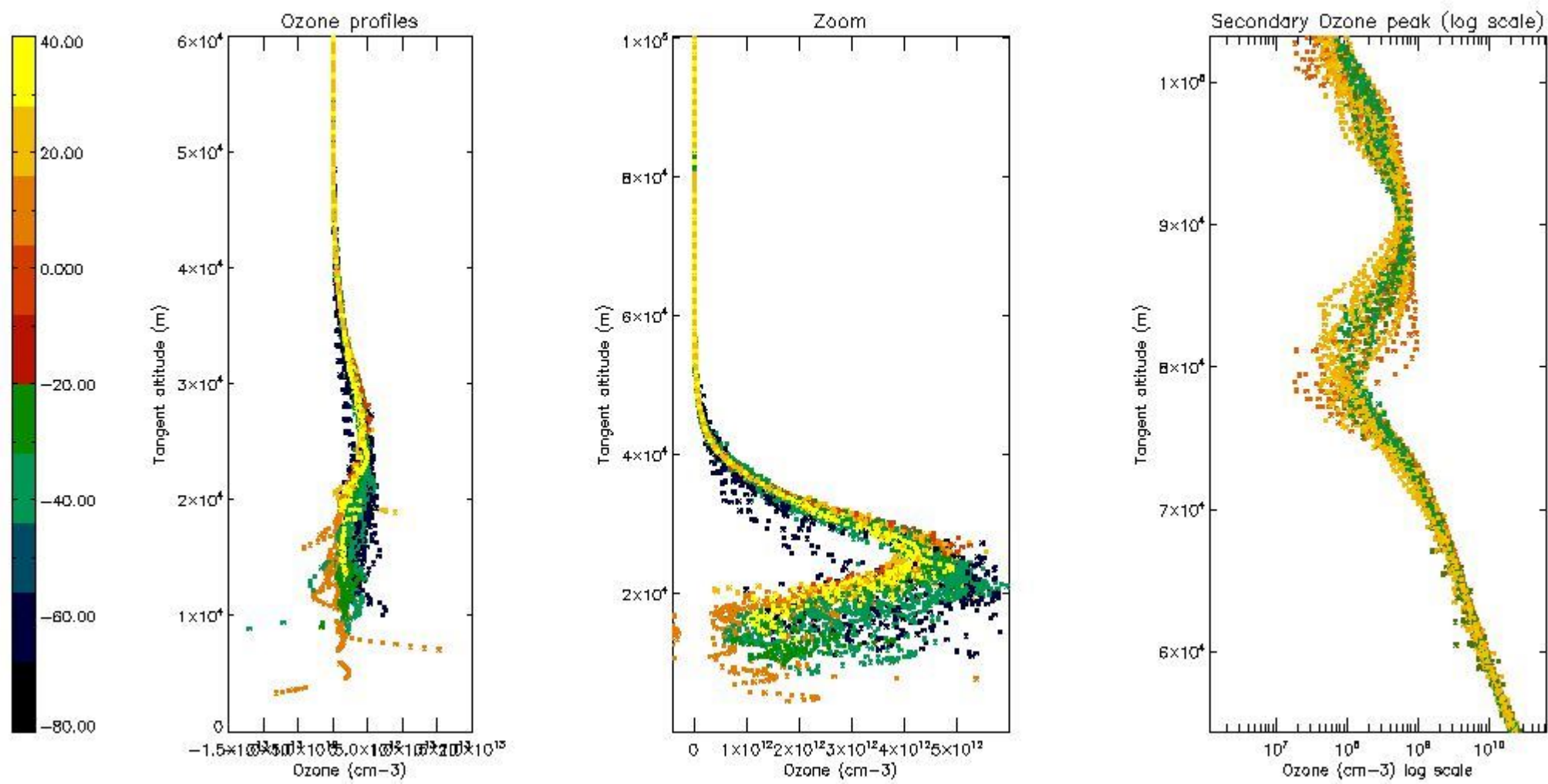
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



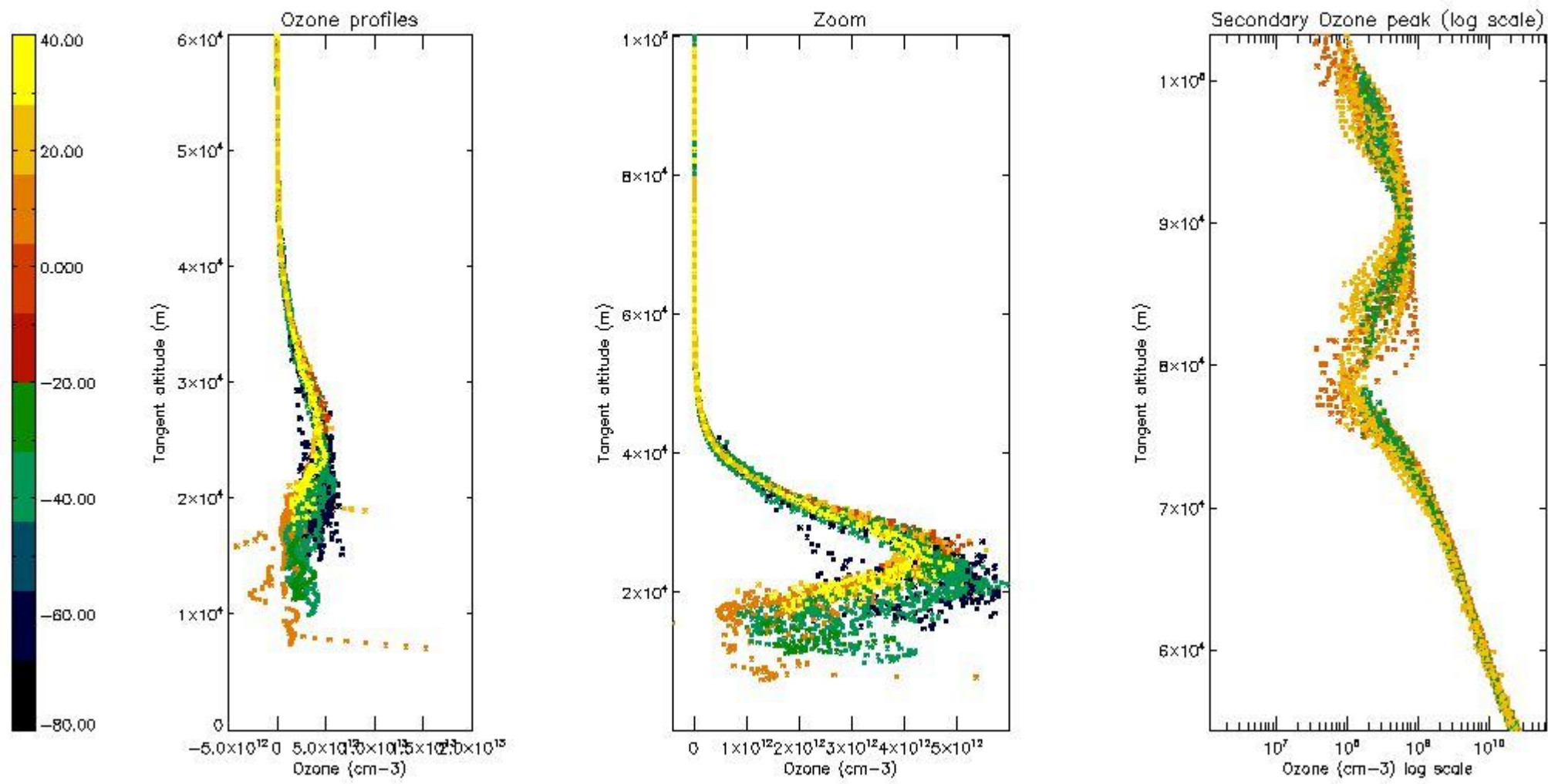
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



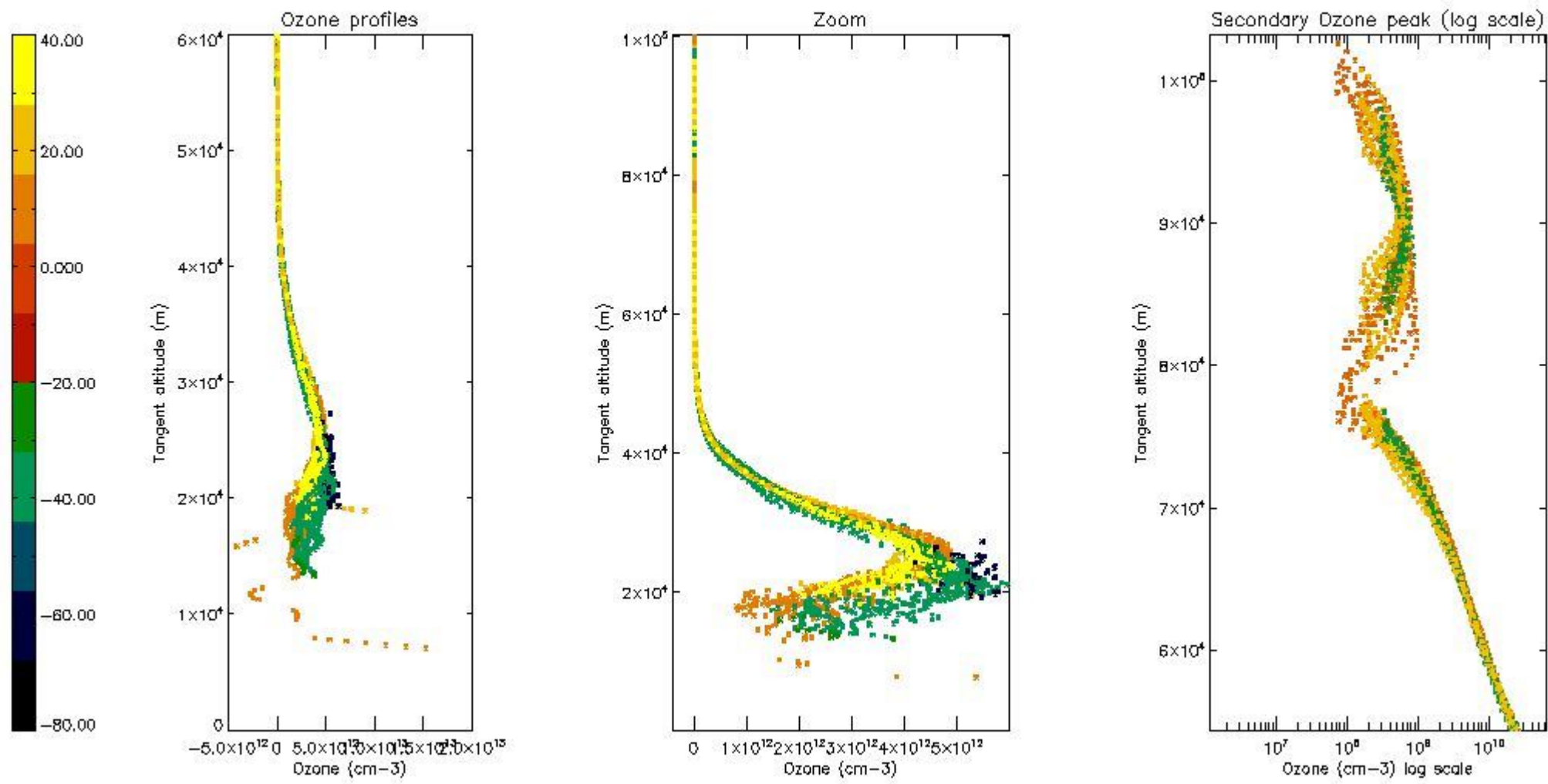
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



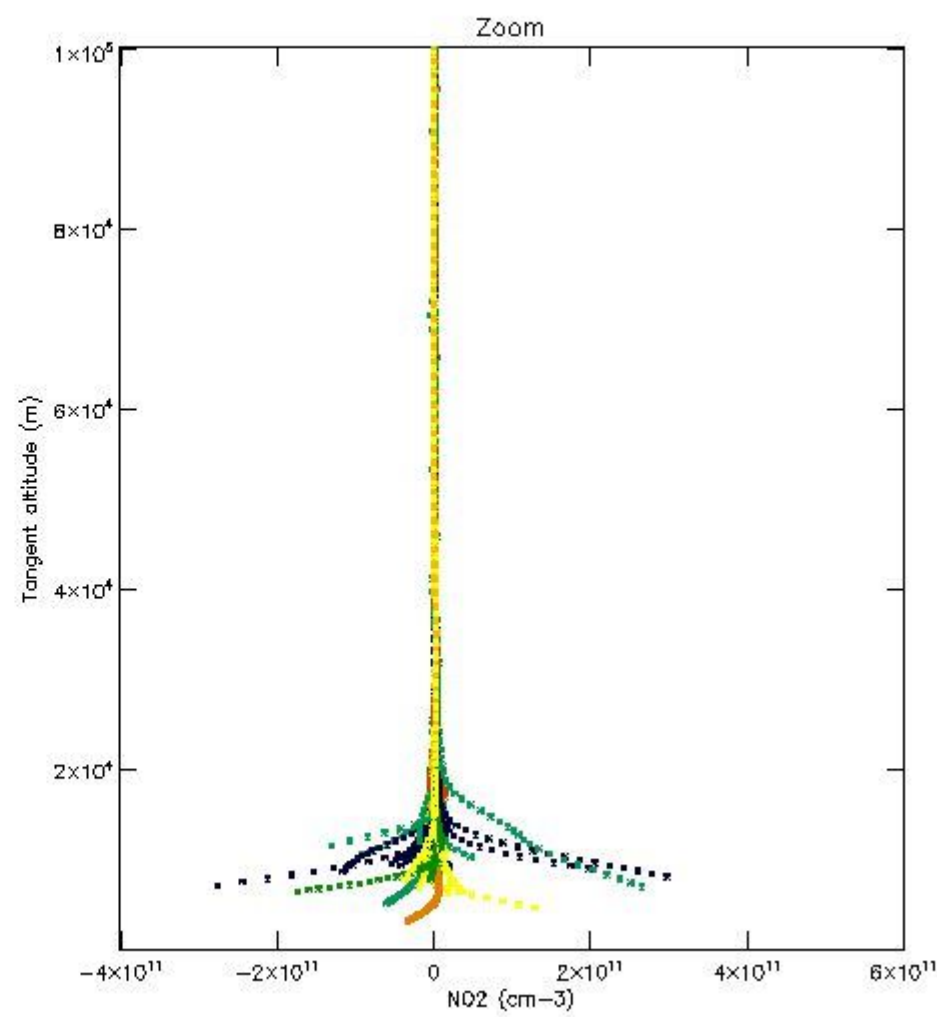
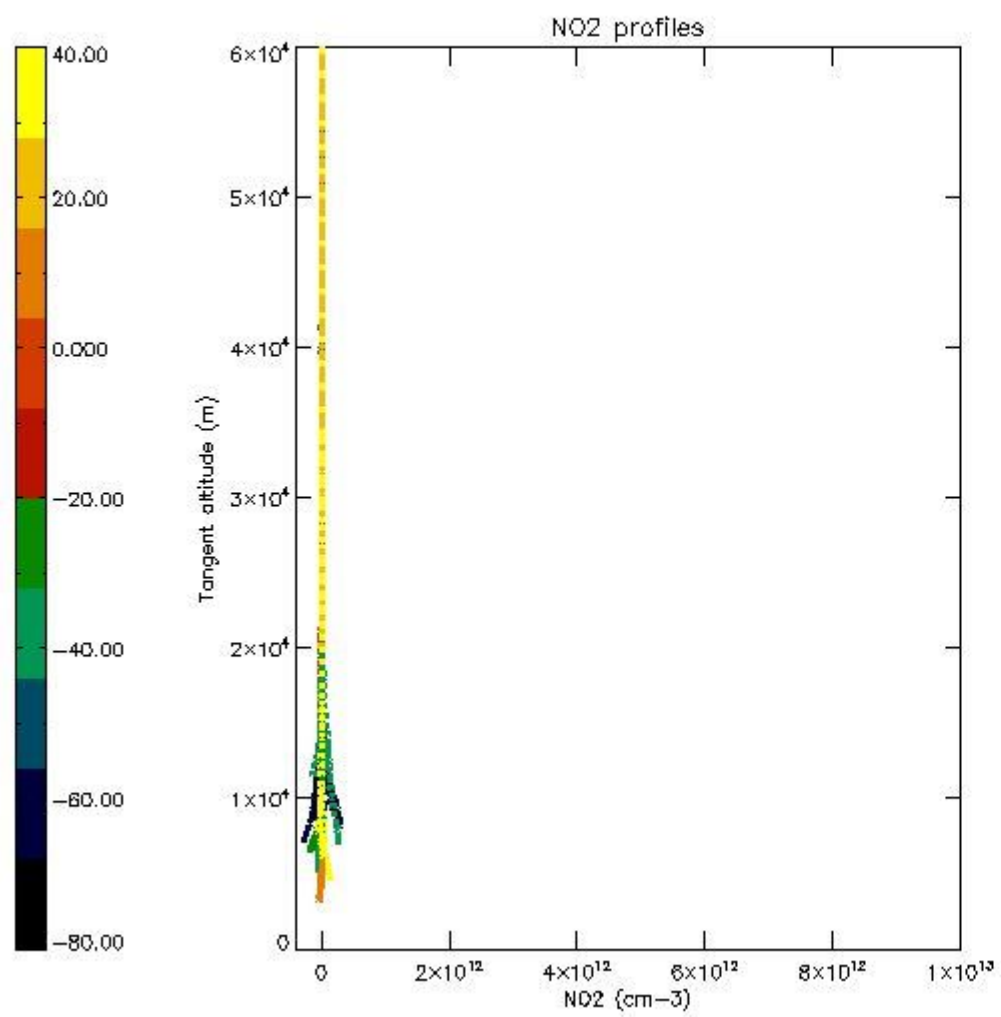
5.5 Plot ozone profiles where $STD < 5\%$ (dark without errors)

The colorbar represents the latitude.



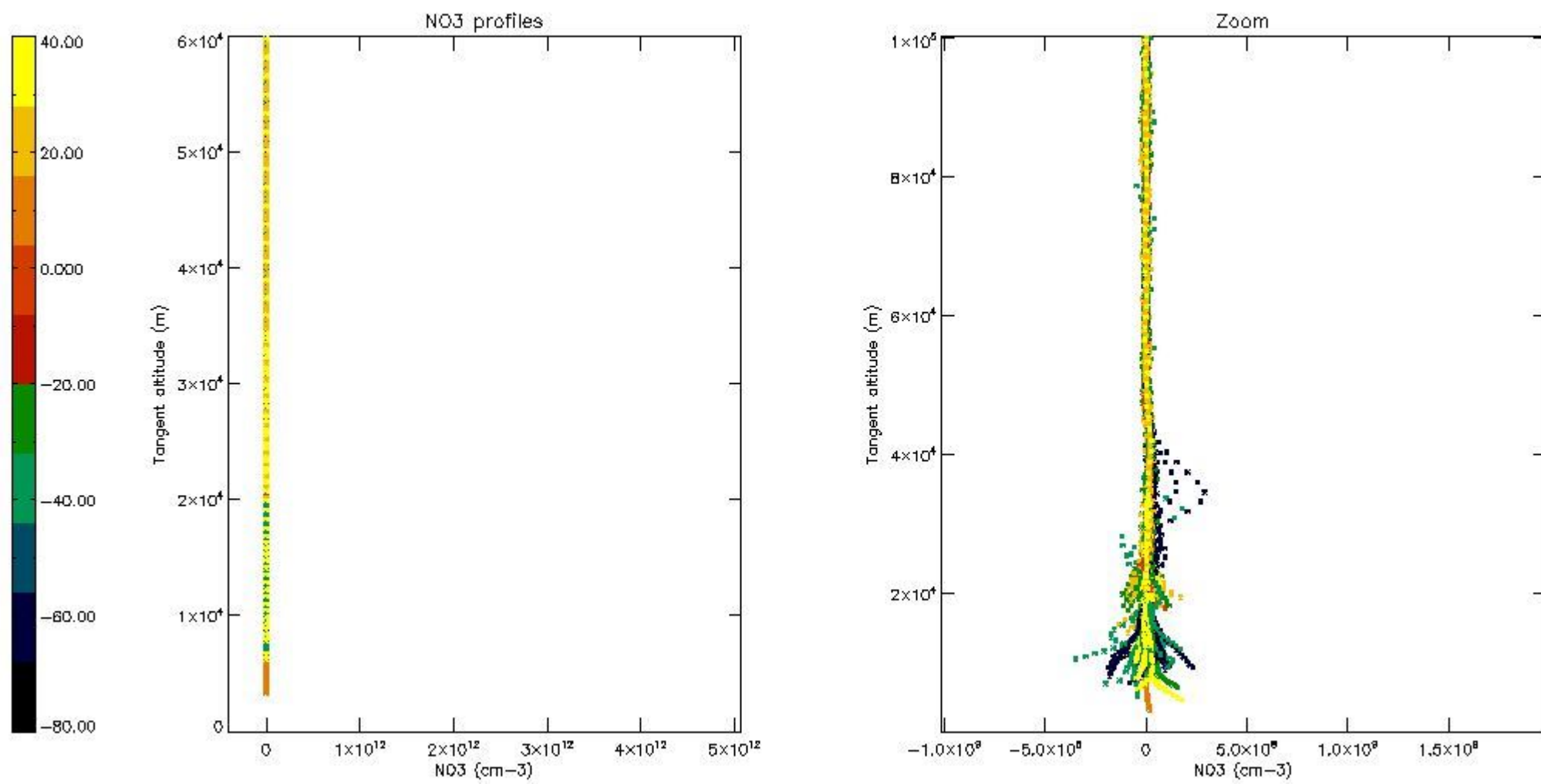
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



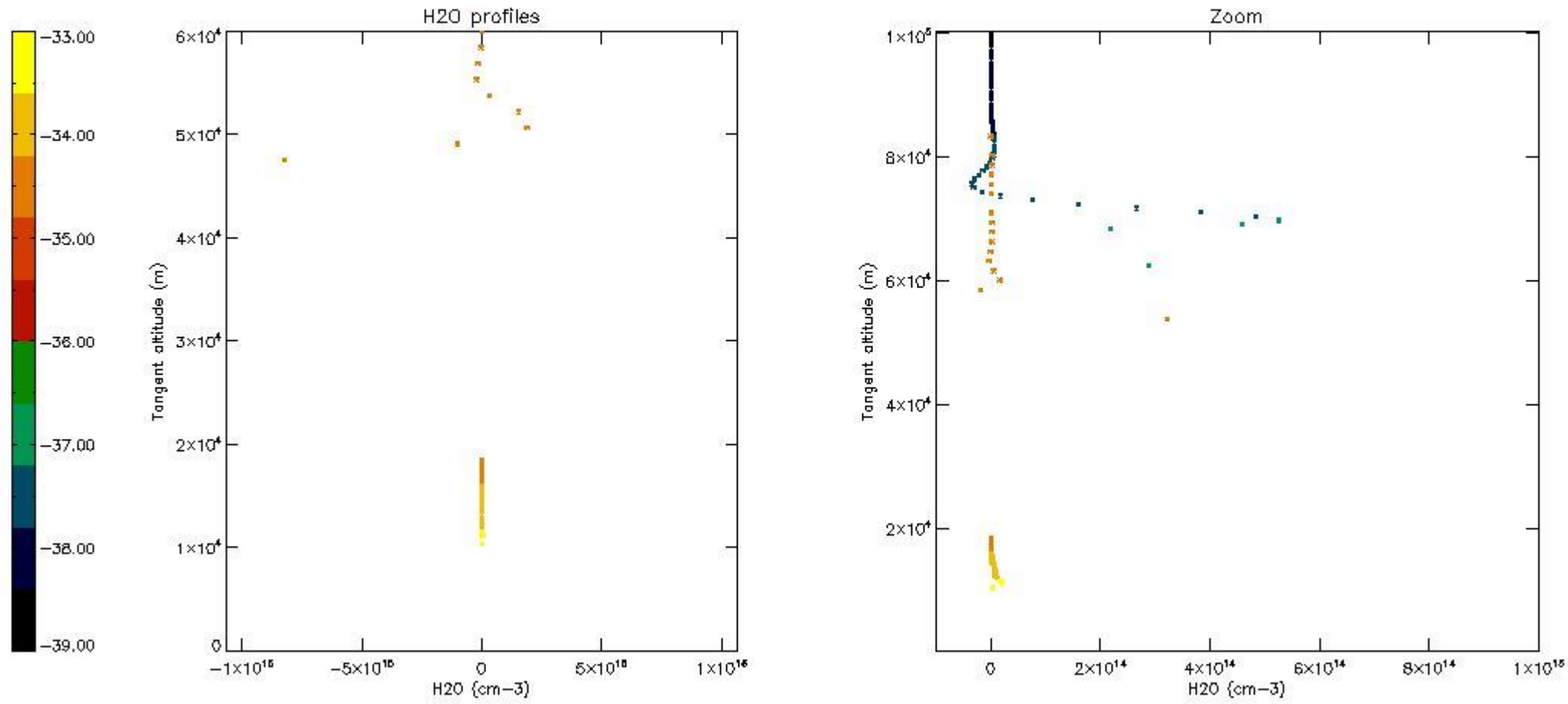
5.7 Plot NO3 profiles for all STD (dark without errors)

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 | 12-OCT-2003 00:02:58 |
| LEVEL-2_PROC_CONFIG | GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000 | 1 | 12-OCT-2003 00:02:58 |
| CROSS_SECTIONS_FILE | GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000 | 1 | 12-OCT-2003 00:02:58 |

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[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 21:40:43 |
| Data source version | GOMOS/6.01 |
| Start time of products | 12-10-2003 (12OCT2003 00:00:00) |
| Stop time of products | 13-10-2003 (13OCT2003 00:00:00) |
| Store outputs in DB | Yes |
| Nb of level 2 prods | 403 |
| Nb of prods with errors | 0 |

2. Summary of processed GOM_NL__2P products.

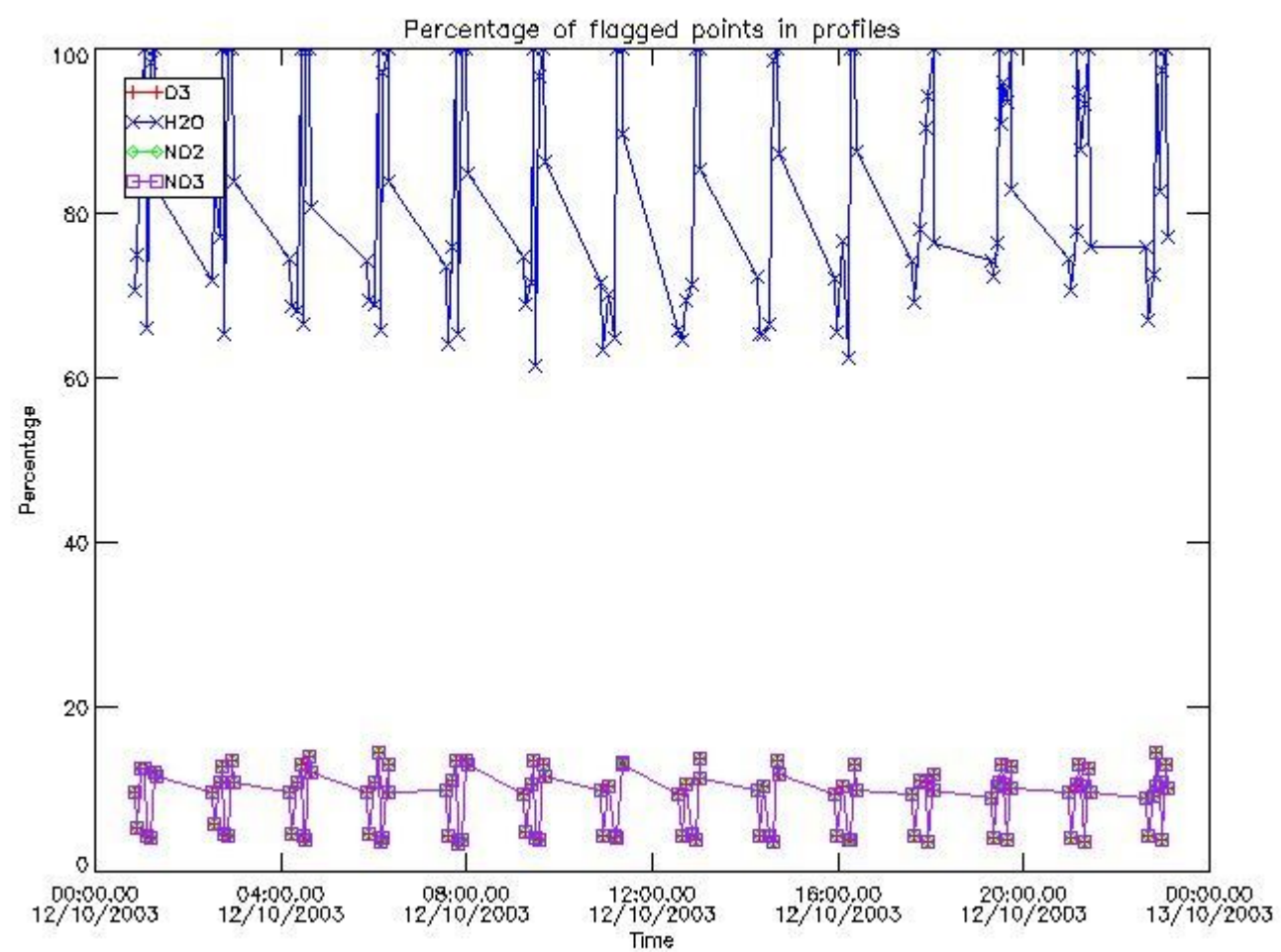
| Nr | Filename | UTC Start time | Limb | Duration | Star Id | Star Name | Star Mag | Star Temp | Nb Meas | Orbit | Prod. error |
|----|--|----------------------|------------|----------|---------|-----------|----------|-----------|---------|-------|-------------|
| 1 | GOM_NL__2PRFIN20031012_000258_000000412020_00374_08444_0333.N1 | 12-OCT-2003 00:02:58 | Bright | 41.000 | 93 | 53Bet Peg | 2.5200 | 3100.0 | 82 | 8444 | No |
| 2 | GOM_NL__2PRFIN20031012_000557_000000452020_00374_08444_0334.N1 | 12-OCT-2003 00:05:57 | Bright | 45.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 90 | 8444 | No |
| 3 | GOM_NL__2PRFIN20031012_000801_000000492020_00374_08444_0335.N1 | 12-OCT-2003 00:08:01 | Bright | 49.000 | 173 | 4Bet Tri | 3.0040 | 8900.0 | 98 | 8444 | No |
| 4 | GOM_NL__2PRFIN20031012_000946_000000502020_00374_08444_0336.N1 | 12-OCT-2003 00:09:46 | Bright | 49.500 | 73 | 57Gam1And | 2.2600 | 13100. | 99 | 8444 | No |
| 5 | GOM_NL__2PRFIN20031012_001142_000000392020_00374_08444_0337.N1 | 12-OCT-2003 00:11:42 | Bright | 39.000 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 78 | 8444 | No |
| 6 | GOM_NL__2PRFIN20031012_001308_000000412020_00374_08444_0338.N1 | 12-OCT-2003 00:13:08 | Bright | 41.000 | 110 | 37Del Cas | 2.6780 | 8900.0 | 82 | 8444 | No |
| 7 | GOM_NL__2PRFIN20031012_001513_000000462020_00374_08444_0339.N1 | 12-OCT-2003 00:15:13 | Bright | 46.000 | 160 | 23Gam Per | 2.9300 | 4700.0 | 92 | 8444 | No |
| 8 | GOM_NL__2PRFIN20031012_001658_000000572020_00374_08444_0340.N1 | 12-OCT-2003 00:16:58 | Bright | 56.500 | 175 | 39Del Per | 3.0100 | 19400. | 113 | 8444 | No |
| 9 | GOM_NL__2PRFIN20031012_002004_000000402020_00374_08444_0341.N1 | 12-OCT-2003 00:20:04 | Bright | 40.000 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 80 | 8444 | No |
| 10 | GOM_NL__2PRFIN20031012_002248_000000412020_00374_08444_0342.N1 | 12-OCT-2003 00:22:48 | Bright | 40.500 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 81 | 8444 | No |
| 11 | GOM_NL__2PRFIN20031012_002509_000000862020_00374_08444_0343.N1 | 12-OCT-2003 00:25:09 | Bright | 85.500 | 6 | 13Alp Aur | 0.080000 | 3400.0 | 171 | 8444 | No |
| 12 | GOM_NL__2PRFIN20031012_002815_000000432020_00374_08444_0344.N1 | 12-OCT-2003 00:28:15 | Bright | 43.000 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 86 | 8444 | No |
| 13 | GOM_NL__2PRFIN20031012_002949_000000392020_00374_08444_0345.N1 | 12-OCT-2003 00:29:49 | Bright | 39.000 | 82 | 48Bet UMa | 2.3650 | 10600. | 78 | 8444 | No |
| 14 | GOM_NL__2PRFIN20031012_003310_000000372020_00374_08444_0346.N1 | 12-OCT-2003 00:33:10 | Bright | 36.500 | 174 | 52Psi UMa | 3.0040 | 4400.0 | 73 | 8444 | No |
| 15 | GOM_NL__2PRFIN20031012_004033_000000962020_00374_08444_0347.N1 | 12-OCT-2003 00:40:33 | Bright | 95.500 | 17 | 78Bet Gem | 1.1610 | 4500.0 | 191 | 8444 | No |
| 16 | GOM_NL__2PRFIN20031012_004311_000000412020_00374_08444_0348.N1 | 12-OCT-2003 00:43:11 | Bright | 40.500 | 22 | 32Alp Leo | 1.3600 | 15200. | 81 | 8444 | No |
| 17 | GOM_NL__2PRFIN20031012_005014_000000532020_00374_08444_0349.N1 | 12-OCT-2003 00:50:14 | Dark | 53.000 | 48 | 30Alp Hya | 1.9770 | 4100.0 | 106 | 8444 | No |
| 18 | GOM_NL__2PRFIN20031012_005244_000001282020_00374_08444_0350.N1 | 12-OCT-2003 00:52:44 | Dark | 128.00 | 8 | 10Alp CMi | 0.40000 | 6500.0 | 256 | 8444 | No |
| 19 | GOM_NL__2PRFIN20031012_005950_000000452020_00374_08444_0351.N1 | 12-OCT-2003 00:59:50 | Dark | 44.500 | 65 | Lam Vel | 2.2040 | 4400.0 | 89 | 8444 | No |
| 20 | GOM_NL__2PRFIN20031012_010409_000000412020_00375_08445_0432.N1 | 12-OCT-2003 01:04:09 | Dark | 40.500 | 159 | Ups Car | 2.9200 | 7200.0 | 81 | 8445 | No |
| 21 | GOM_NL__2PRFIN20031012_010636_000001172020_00375_08445_0433.N1 | 12-OCT-2003 01:06:36 | Dark | 117.00 | 1 | 9Alp CMa | -1.4400 | 11000. | 234 | 8445 | No |
| 22 | GOM_NL__2PRFIN20031012_011034_000001272020_00375_08445_0434.N1 | 12-OCT-2003 01:10:34 | Dark | 126.50 | 47 | 2Bet CMa | 1.9760 | 28000. | 253 | 8445 | No |
| 23 | GOM_NL__2PRFIN20031012_011642_000000432020_00375_08445_0435.N1 | 12-OCT-2003 01:16:42 | Dark | 42.500 | 143 | Alp Hyi | 2.8570 | 7200.0 | 85 | 8445 | No |
| 24 | GOM_NL__2PRFIN20031012_011809_000000442020_00375_08445_0436.N1 | 12-OCT-2003 01:18:09 | Dark | 44.000 | 9 | Alp Eri | 0.45300 | 24000. | 88 | 8445 | No |
| 25 | GOM_NL__2PRFIN20031012_012029_000000482020_00375_08445_0437.N1 | 12-OCT-2003 01:20:29 | Straylight | 48.000 | 157 | The1Eri | 2.9060 | 9300.0 | 96 | 8445 | No |
| 26 | GOM_NL__2PRFIN20031012_012315_000000432020_00375_08445_0438.N1 | 12-OCT-2003 01:23:15 | Straylight | 42.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 85 | 8445 | No |
| 27 | GOM_NL__2PRFIN20031012_012954_000000482020_00375_08445_0439.N1 | 12-OCT-2003 01:29:54 | Straylight | 48.000 | 52 | 16Bet Cet | 2.0370 | 4500.0 | 96 | 8445 | No |
| 28 | GOM_NL__2PRFIN20031012_013943_000000382020_00375_08445_0440.N1 | 12-OCT-2003 01:39:43 | Bright | 38.000 | 140 | 88Gam Peg | 2.8340 | 26000. | 76 | 8445 | No |
| 29 | GOM_NL__2PRFIN20031012_014335_000000382020_00375_08445_0441.N1 | 12-OCT-2003 01:43:35 | Bright | 38.000 | 93 | 53Bet Peg | 2.5200 | 3100.0 | 76 | 8445 | No |
| 30 | GOM_NL__2PRFIN20031012_014633_000000462020_00375_08445_0442.N1 | 12-OCT-2003 01:46:33 | Bright | 46.000 | 53 | 43Bet And | 2.0480 | 3300.0 | 92 | 8445 | No |
| 31 | GOM_NL__2PRFIN20031012_014837_000000482020_00375_08445_0443.N1 | 12-OCT-2003 01:48:37 | Bright | 48.000 | 173 | 4Bet Tri | 3.0040 | 8900.0 | 96 | 8445 | No |
| 32 | GOM_NL__2PRFIN20031012_015022_000000462020_00375_08445_0444.N1 | 12-OCT-2003 01:50:22 | Bright | 46.000 | 73 | 57Gam1And | 2.2600 | 13100. | 92 | 8445 | No |
| 33 | GOM_NL__2PRFIN20031012_015218_000000372020_00375_08445_0445.N1 | 12-OCT-2003 01:52:18 | Bright | 36.500 | 74 | 11Bet Cas | 2.2680 | 6600.0 | 73 | 8445 | No |
| 34 | GOM_NL__2PRFIN20031012_015343_000000412020_00375_08445_0446.N1 | 12-OCT-2003 01:53:43 | Bright | 41.000 | 110 | 37Del Cas | 2.6780 | 8900.0 | 82 | 8445 | No |
| 35 | GOM_NL__2PRFIN20031012_015548_000000482020_00375_08445_0447.N1 | 12-OCT-2003 01:55:48 | Bright | 48.000 | 160 | 23Gam Per | 2.9300 | 4700.0 | 96 | 8445 | No |
| 36 | GOM_NL__2PRFIN20031012_015733_000000552020_00375_08445_0448.N1 | 12-OCT-2003 01:57:33 | Bright | 54.500 | 175 | 39Del Per | 3.0100 | 19400. | 109 | 8445 | No |
| 37 | GOM_NL__2PRFIN20031012_020042_000000362020_00375_08445_0449.N1 | 12-OCT-2003 02:00:42 | Bright | 35.500 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 71 | 8445 | No |
| 38 | GOM_NL__2PRFIN20031012_020327_000000402020_00375_08445_0450.N1 | 12-OCT-2003 02:03:27 | Bright | 39.500 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 79 | 8445 | No |
| 39 | GOM_NL__2PRFIN20031012_020543_000000802020_00375_08445_0451.N1 | 12-OCT-2003 02:05:43 | Bright | 80.000 | 6 | 13Alp Aur | 0.080000 | 3400.0 | 160 | 8445 | No |
| 40 | GOM_NL__2PRFIN20031012_020853_000000412020_00375_08445_0452.N1 | 12-OCT-2003 02:08:53 | Bright | 40.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 81 | 8445 | No |
| 41 | GOM_NL__2PRFIN20031012_021025_000000382020_00375_08445_0453.N1 | 12-OCT-2003 02:10:25 | Bright | 37.500 | 82 | 48Bet UMa | 2.3650 | 10600. | 75 | 8445 | No |
| 42 | GOM_NL__2PRFIN20031012_021345_000000392020_00375_08445_0454.N1 | 12-OCT-2003 02:13:45 | Bright | 39.000 | 174 | 52Psi UMa | 3.0040 | 4400.0 | 78 | 8445 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|--------|--------|-----|-----------|----------|--------|-----|------|----|
| 397 | GOM_NL__2PRFIN20031012_234324_000000492020_00388_08458_0144.N1 | 12-OCT-2003 23:43:24 | Bright | 49.000 | 160 | 23Gam Per | 2.9300 | 4700.0 | 98 | 8458 | No |
| 398 | GOM_NL__2PRFIN20031012_234503_000000582020_00388_08458_0145.N1 | 12-OCT-2003 23:45:03 | Bright | 58.000 | 175 | 39Del Per | 3.0100 | 19400. | 116 | 8458 | No |
| 399 | GOM_NL__2PRFIN20031012_234826_000000372020_00388_08458_0146.N1 | 12-OCT-2003 23:48:26 | Bright | 37.000 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 74 | 8458 | No |
| 400 | GOM_NL__2PRFIN20031012_235117_000000362020_00388_08458_0147.N1 | 12-OCT-2003 23:51:17 | Bright | 36.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 72 | 8458 | No |
| 401 | GOM_NL__2PRFIN20031012_235312_000000952020_00388_08458_0148.N1 | 12-OCT-2003 23:53:12 | Bright | 94.500 | 6 | 13Alp Aur | 0.080000 | 3400.0 | 189 | 8458 | No |
| 402 | GOM_NL__2PRFIN20031012_235638_000000422020_00388_08458_0149.N1 | 12-OCT-2003 23:56:38 | Bright | 42.000 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 84 | 8458 | No |
| 403 | GOM_NL__2PRFIN20031012_235813_000000402020_00388_08458_0150.N1 | 12-OCT-2003 23:58:13 | Bright | 39.500 | 82 | 48Bet UMa | 2.3650 | 10600. | 79 | 8458 | No |

3. Quality information per product

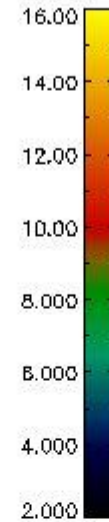
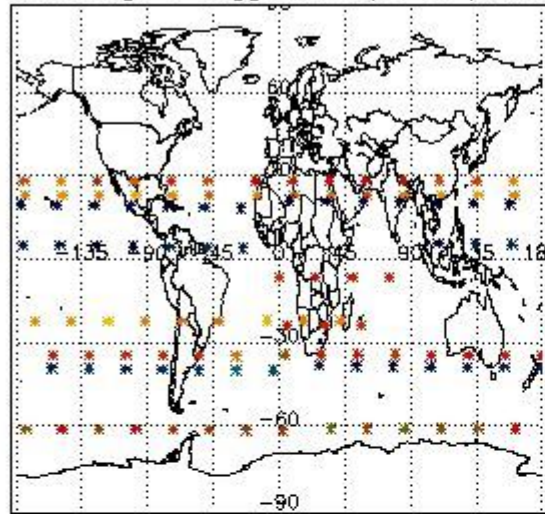
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

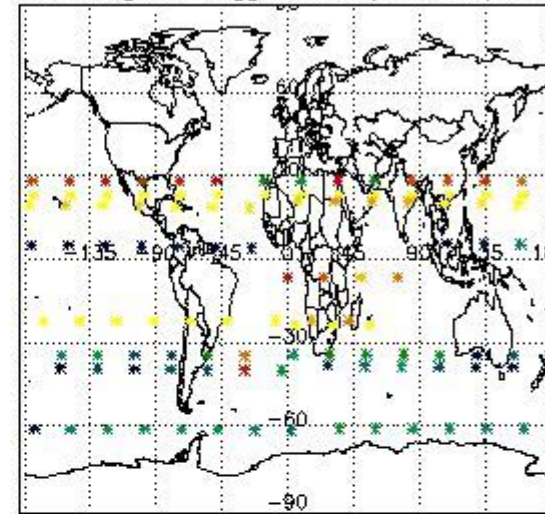


3.2 Plot quality information per product (world map)

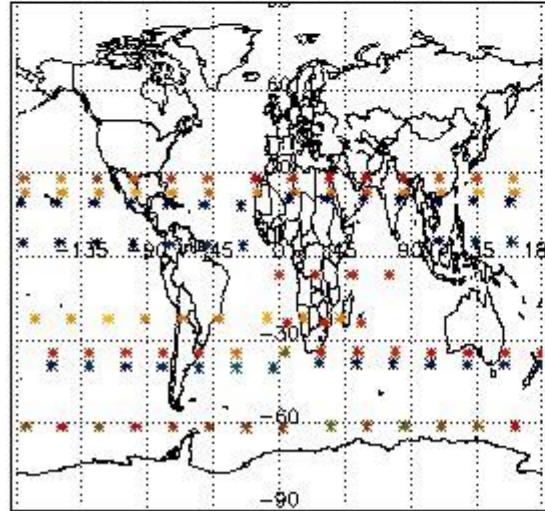
Percentage of flagged data per O3 profile



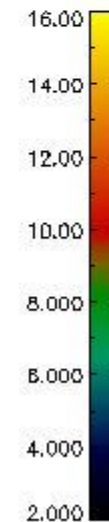
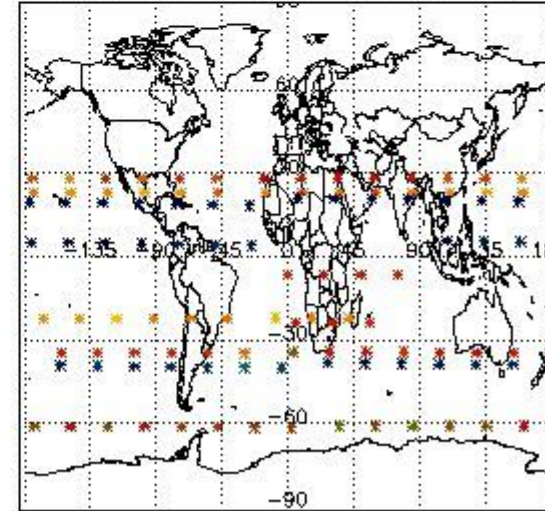
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

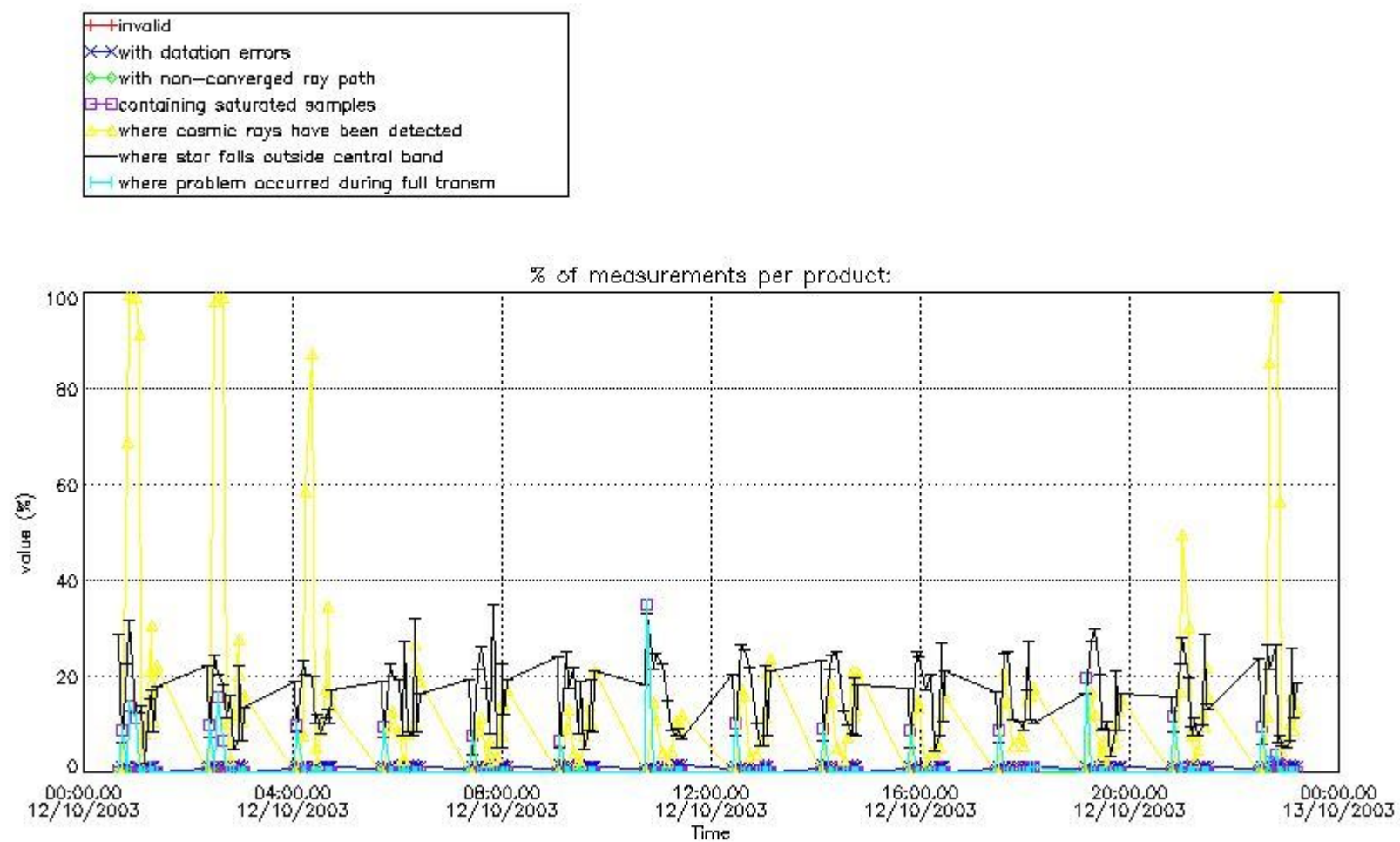


4. Level 1 quality information per product

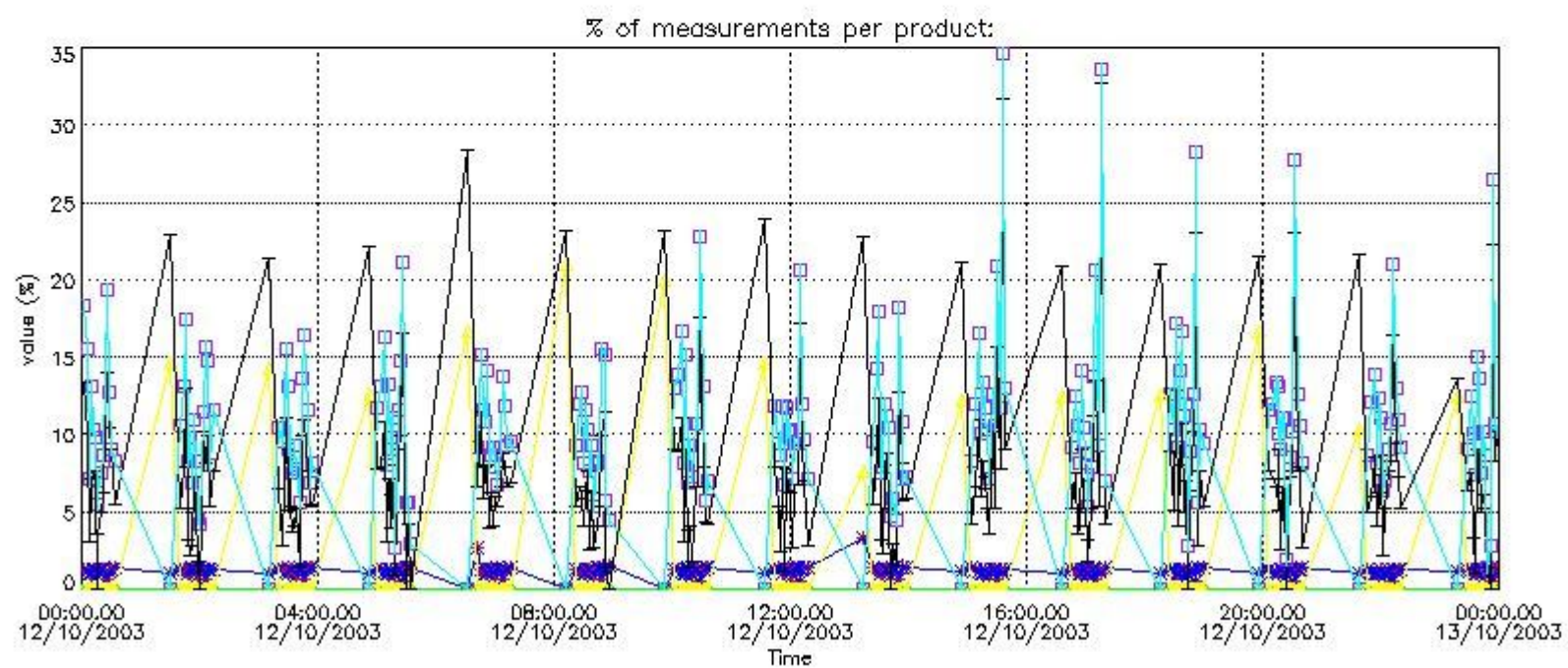
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



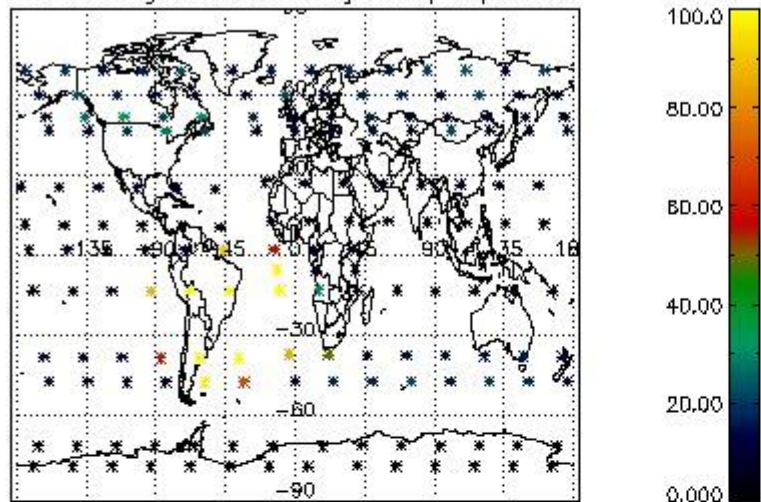
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



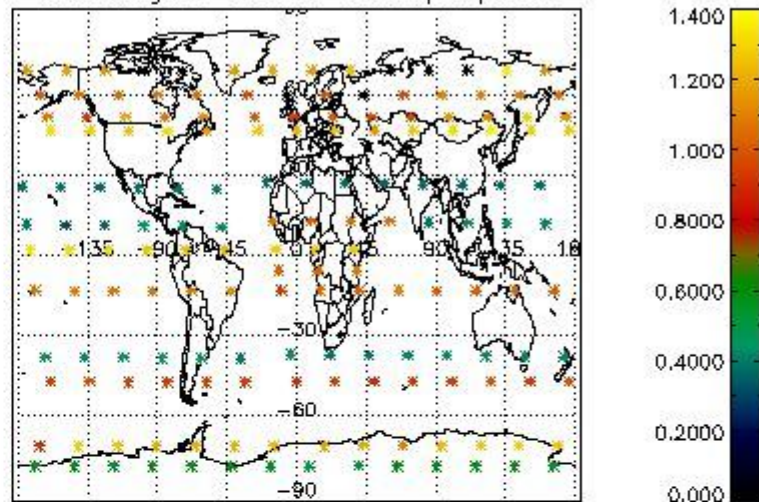
4.2 Plot quality information per product coming from level 1b processing (world map)

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

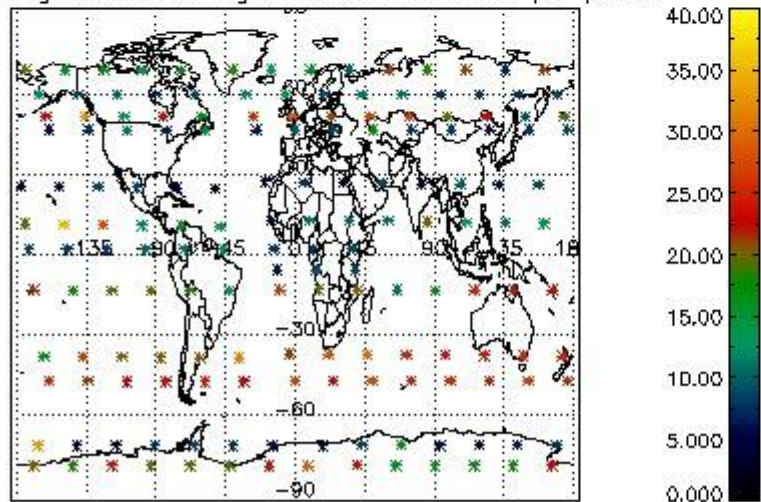
Percentage of cosmic ray hits per profile



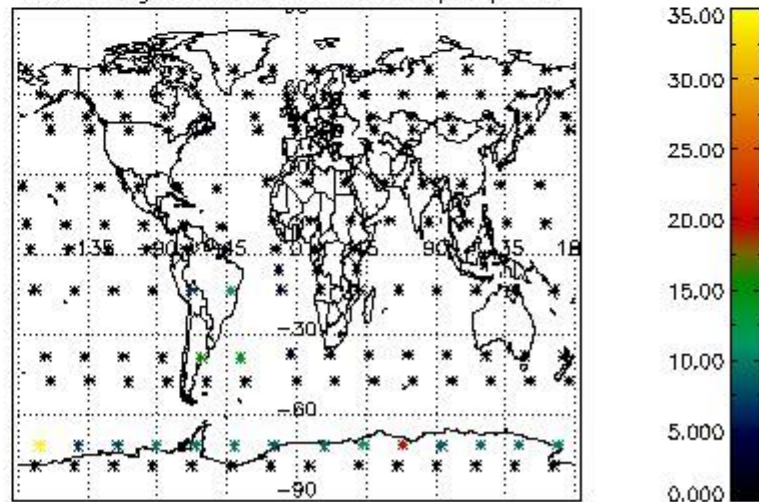
Percentage of datation errors per profile



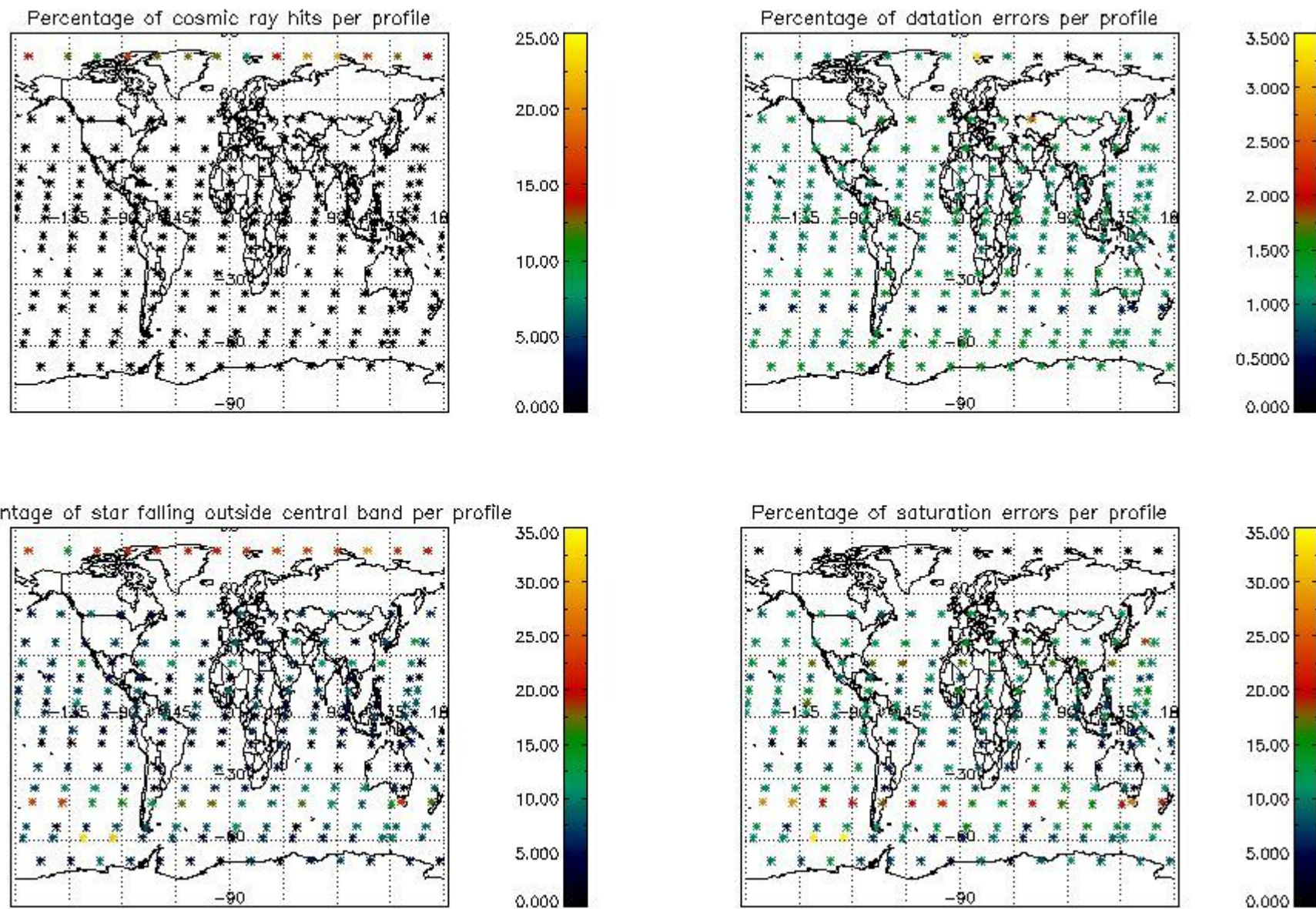
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



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

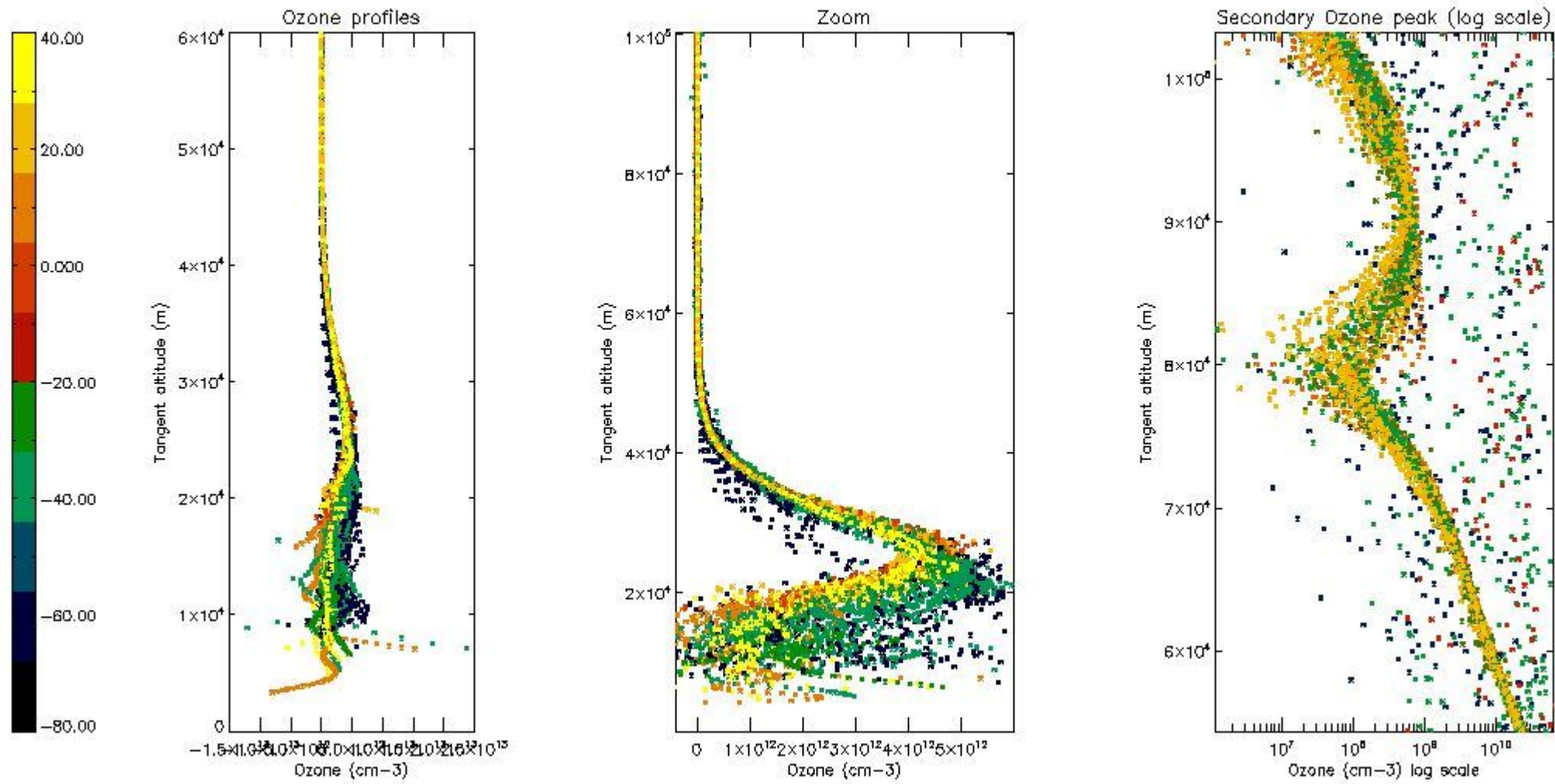
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

| Criteria | % of total production |
|----------|-----------------------|
| All STD | 39 |
| STD < 20 | 25 |

| | |
|----------|----|
| STD < 10 | 22 |
| STD < 5 | 17 |

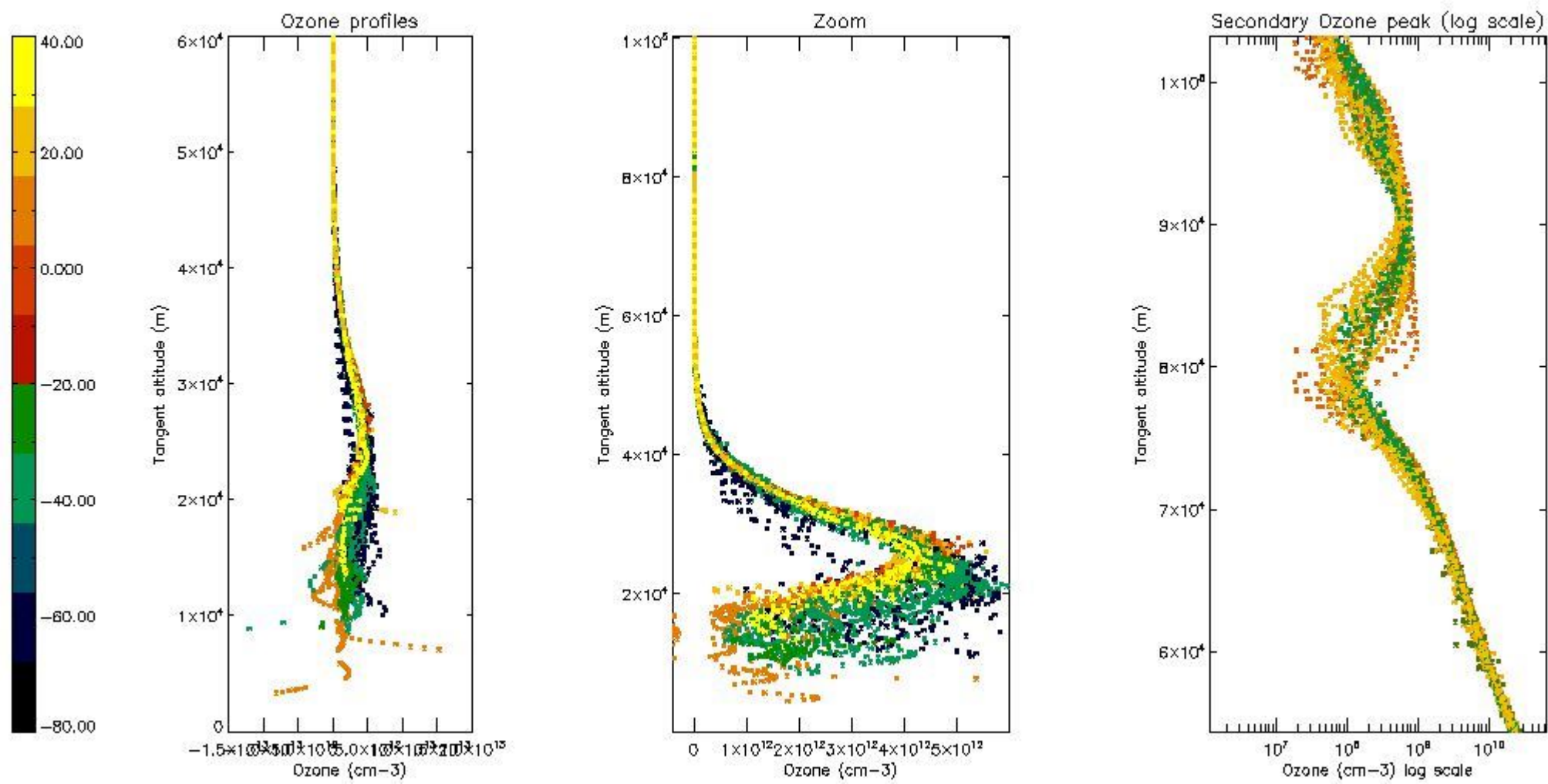
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



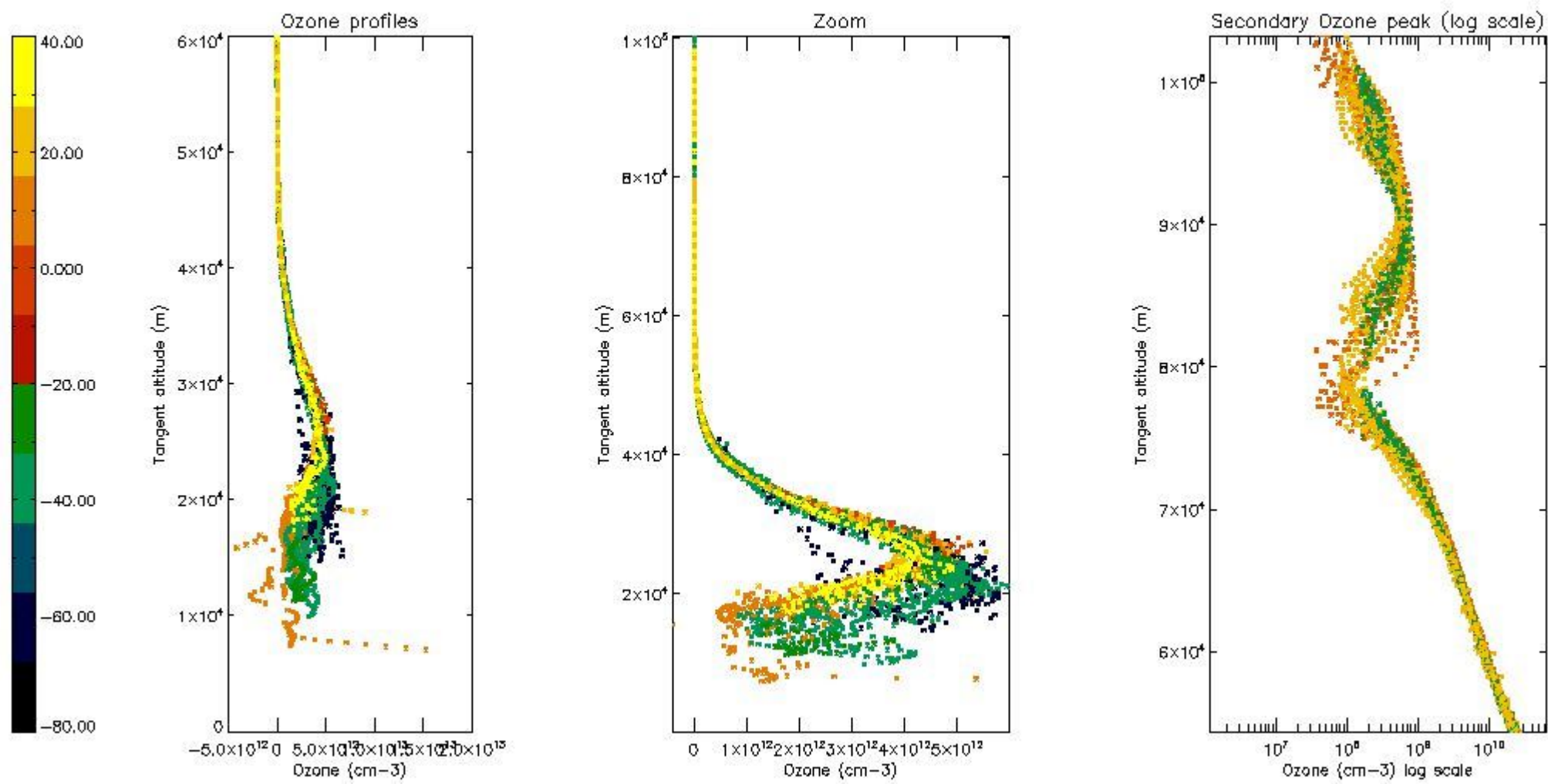
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



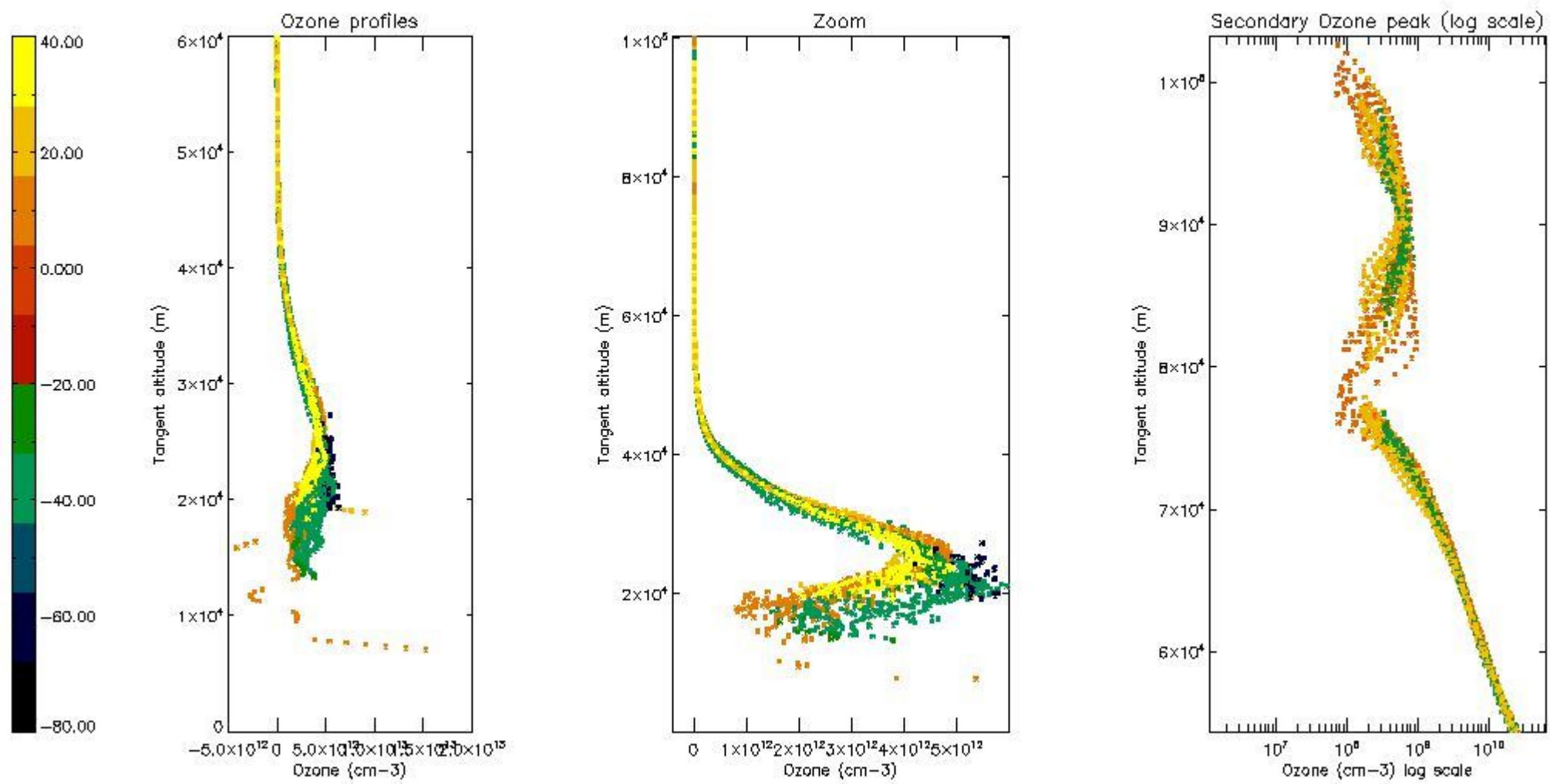
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



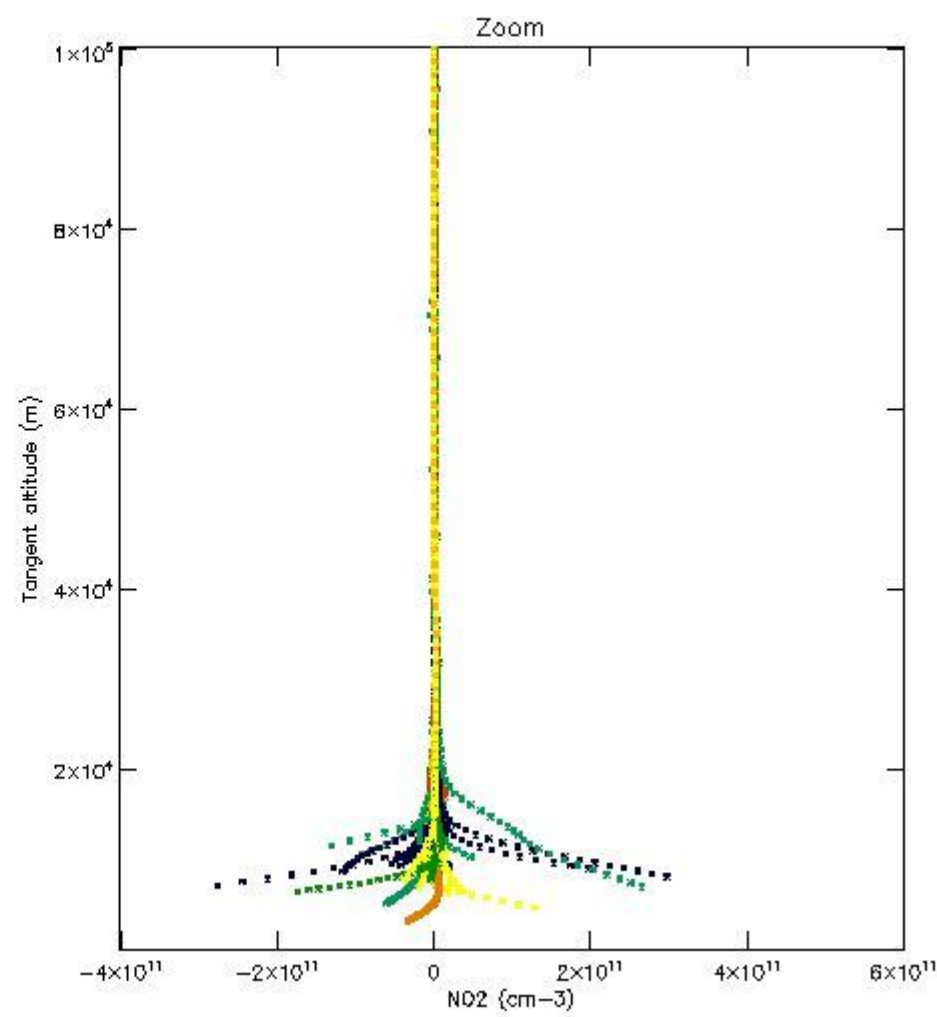
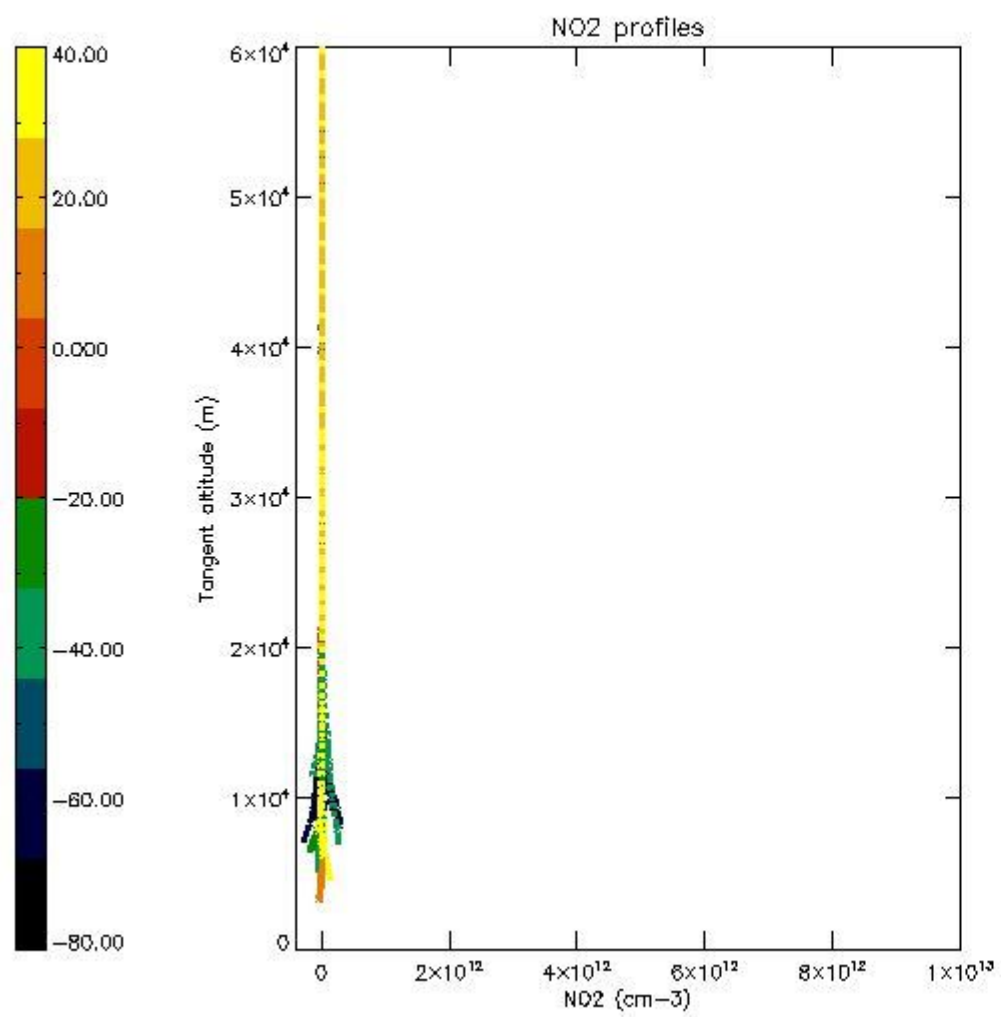
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



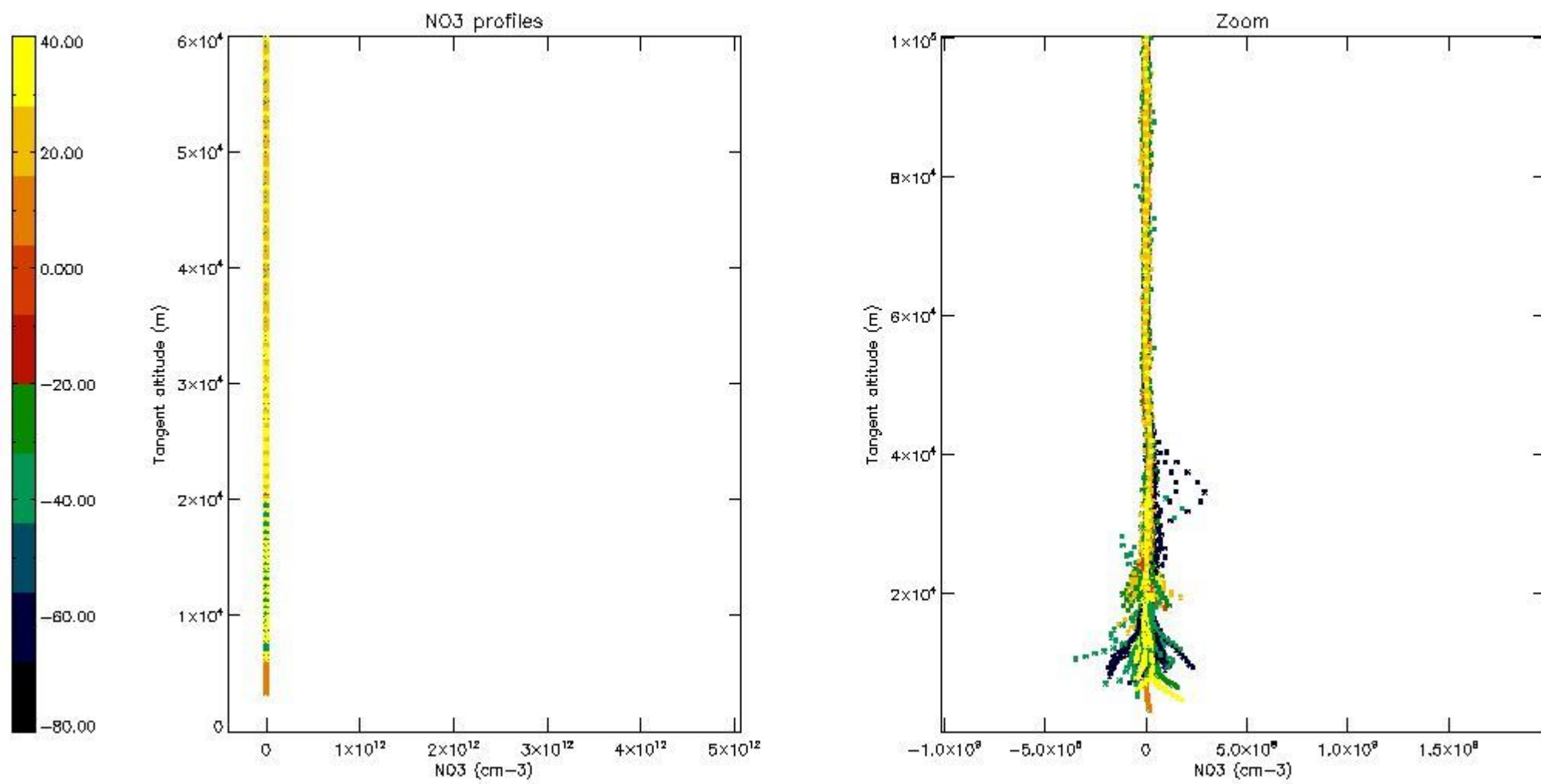
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



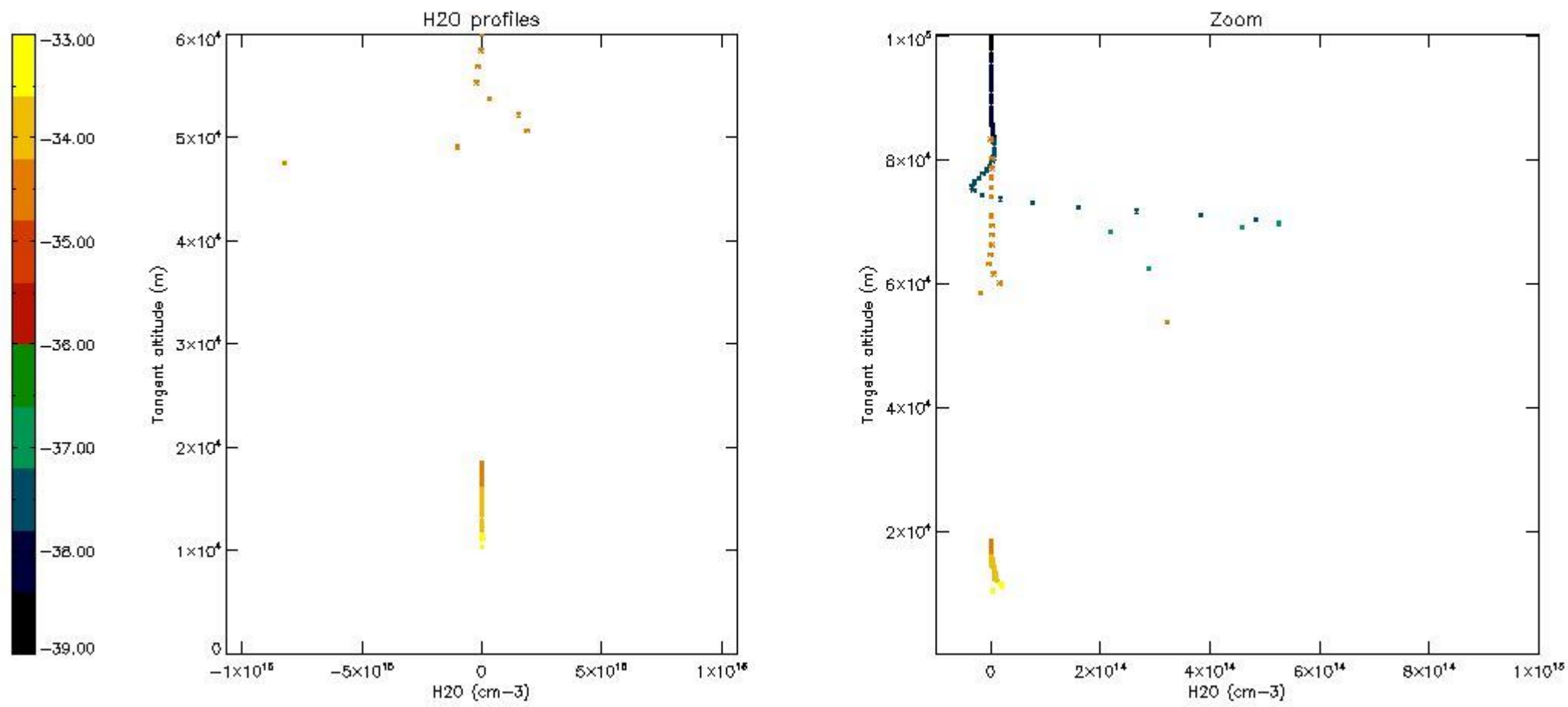
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

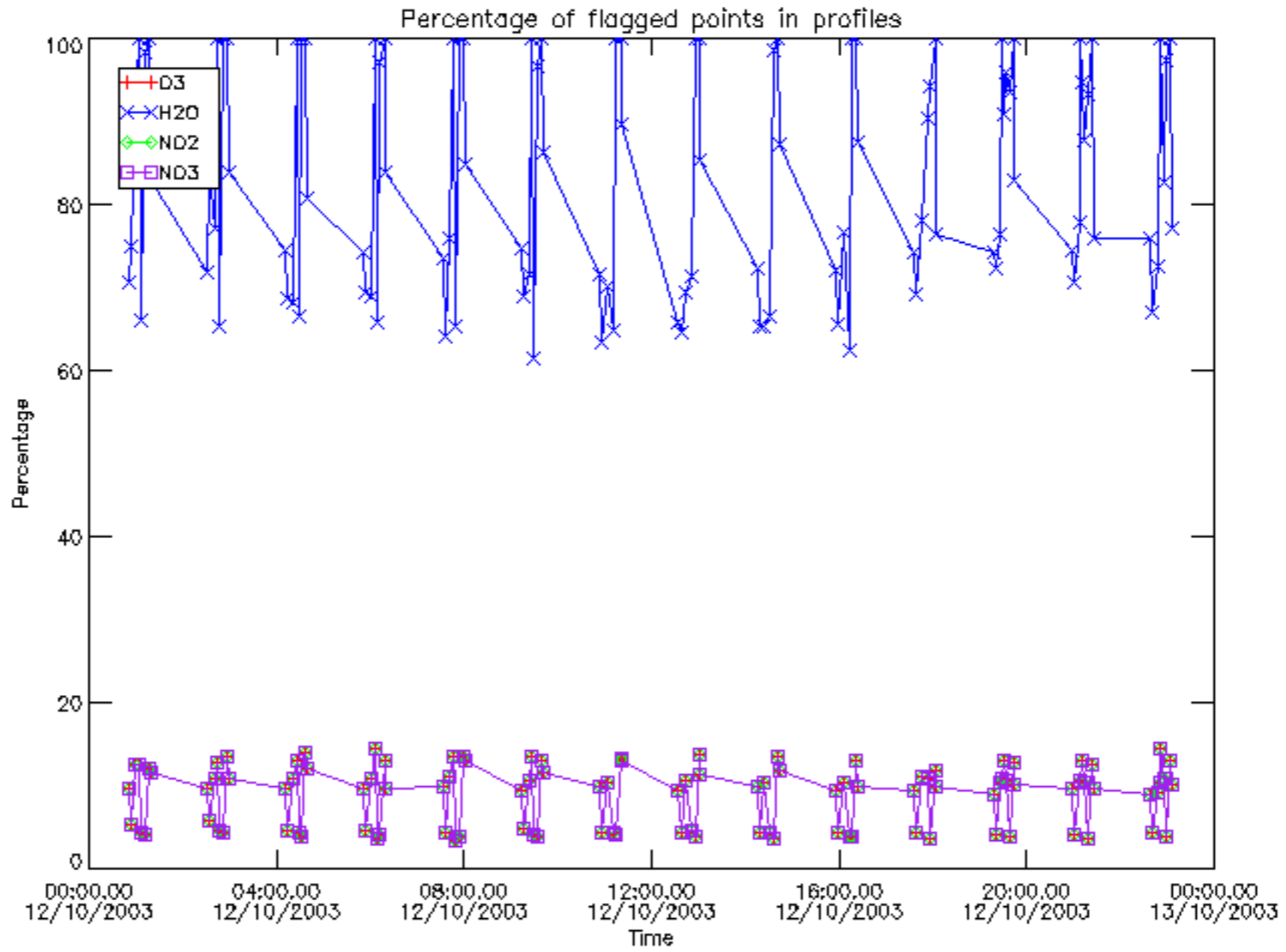
The colorbar represents the latitude.



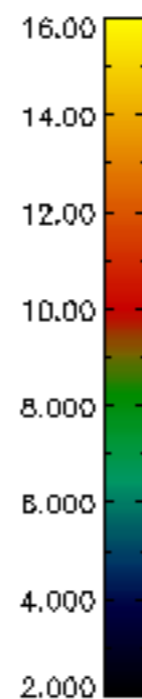
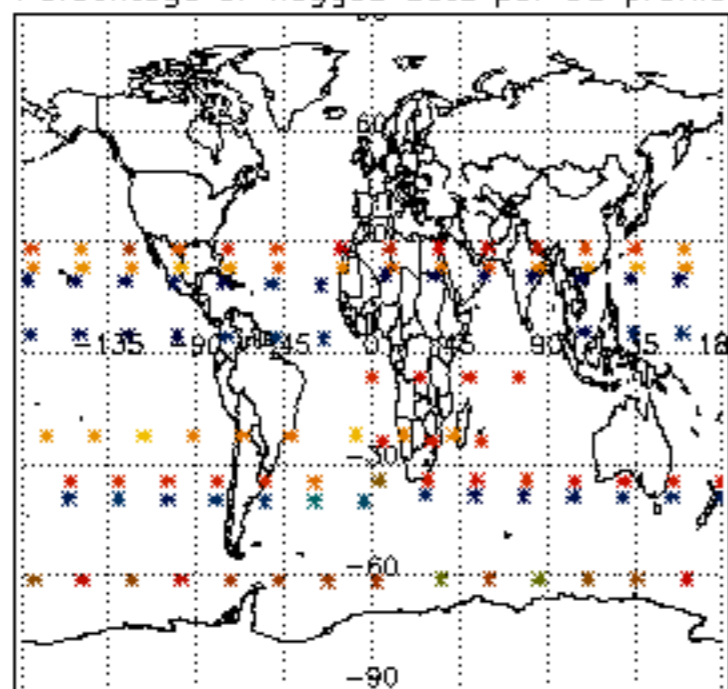
6. Auxiliary Data Files used for the production reported in section 2

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.

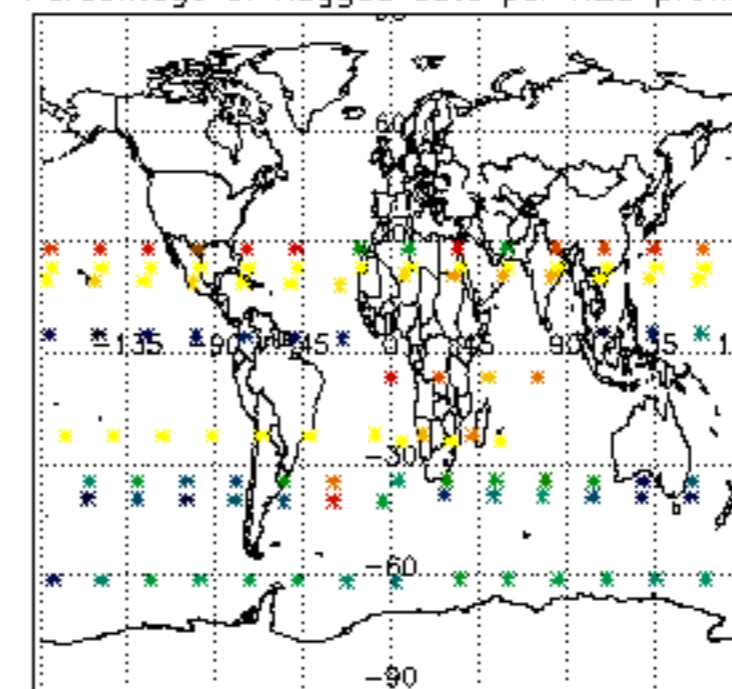
| Type | Auxiliary Filename | Used since product | Used since product date |
|---------------------------|---|--------------------|-------------------------|
| INST_PHYS_CHARACTERISTICS | GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000 | 1 | 12-OCT-2003 00:02:58 |
| LEVEL-2_PROC_CONFIG | GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000 | 1 | 12-OCT-2003 00:02:58 |
| CROSS_SECTIONS_FILE | GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000 | 1 | 12-OCT-2003 00:02:58 |



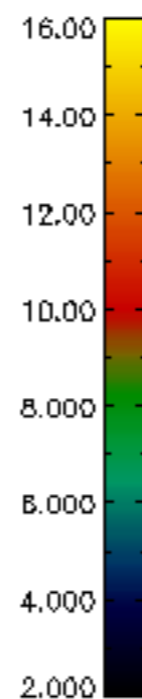
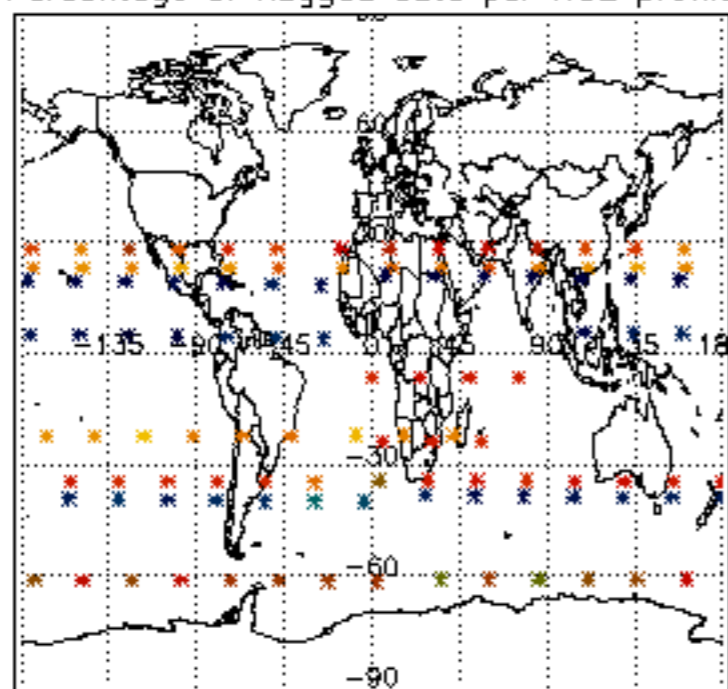
Percentage of flagged data per D3 profile



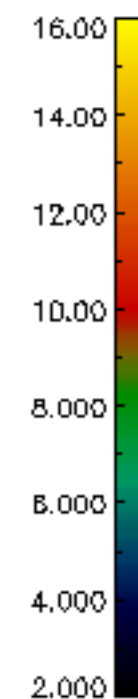
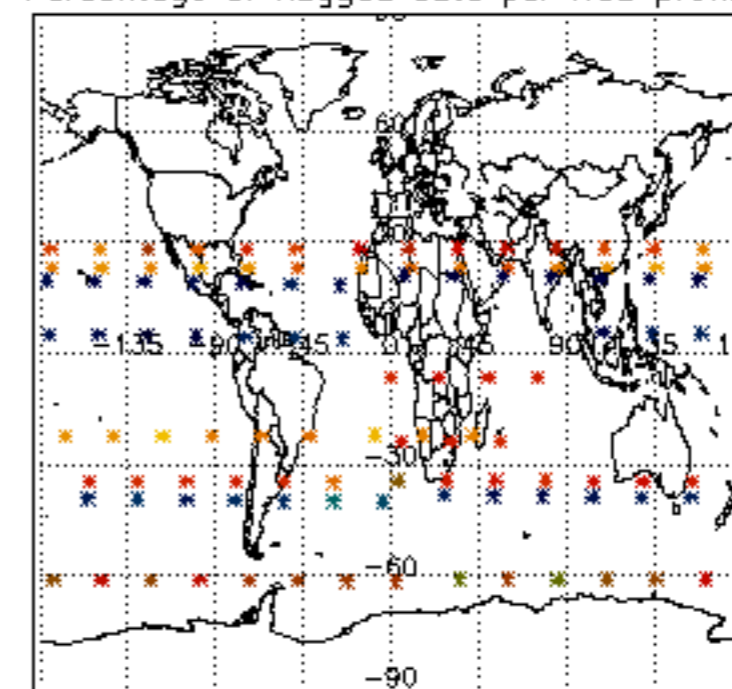
Percentage of flagged data per H2O profile

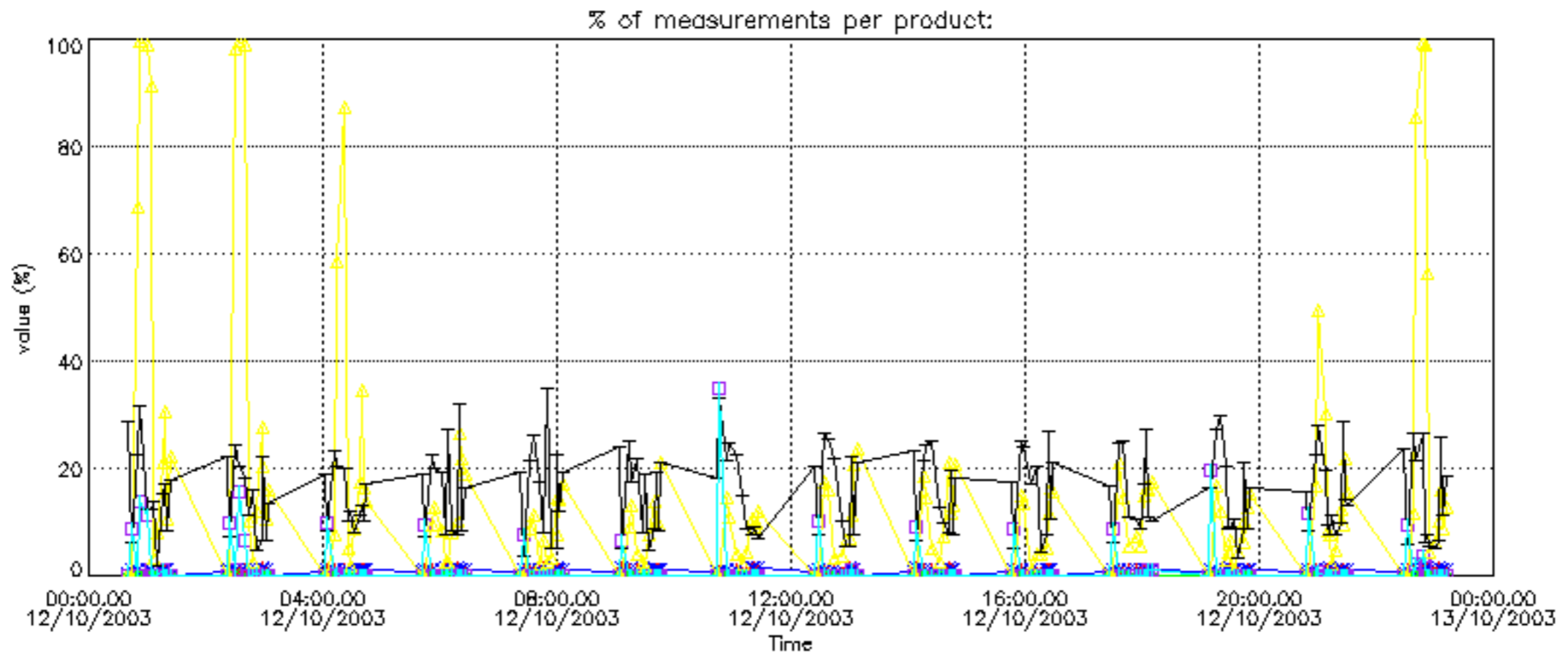


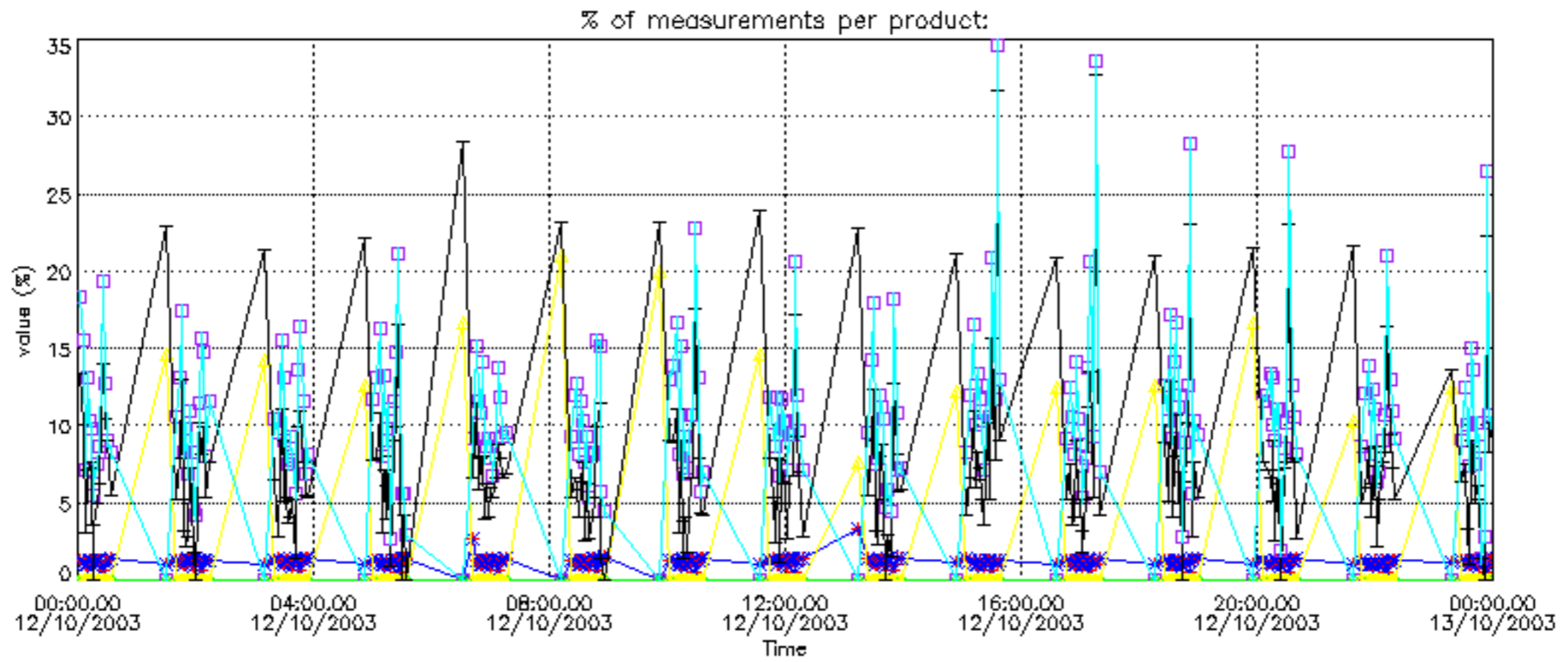
Percentage of flagged data per NO2 profile



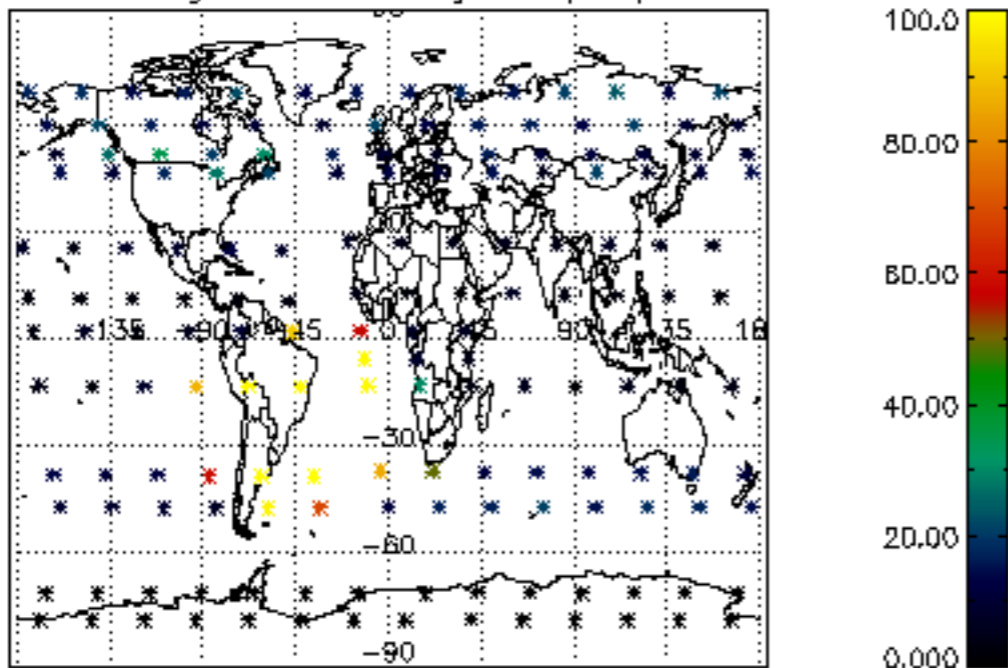
Percentage of flagged data per NO3 profile



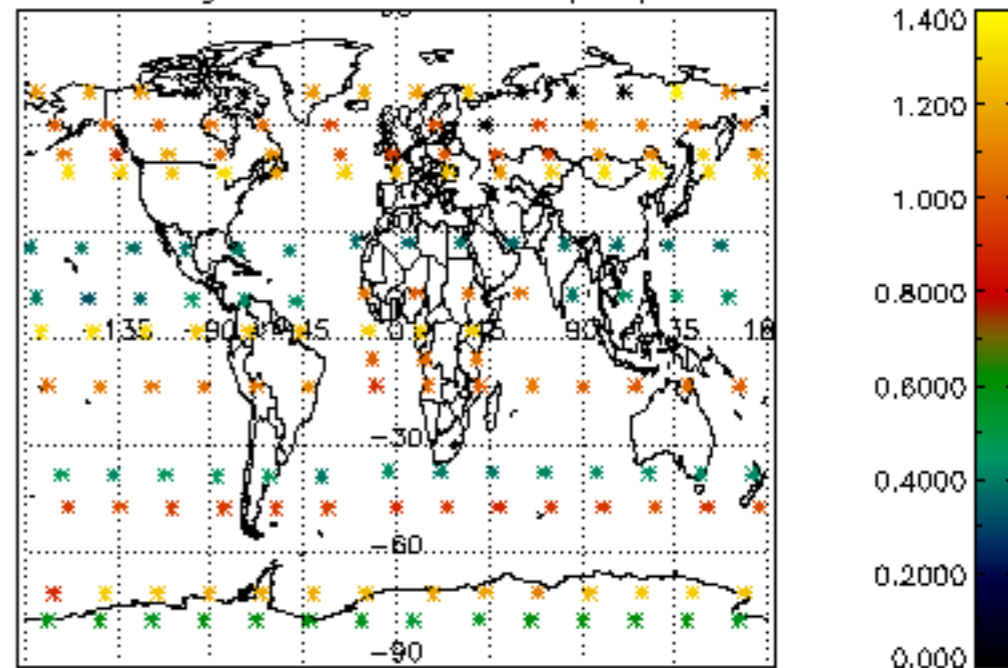




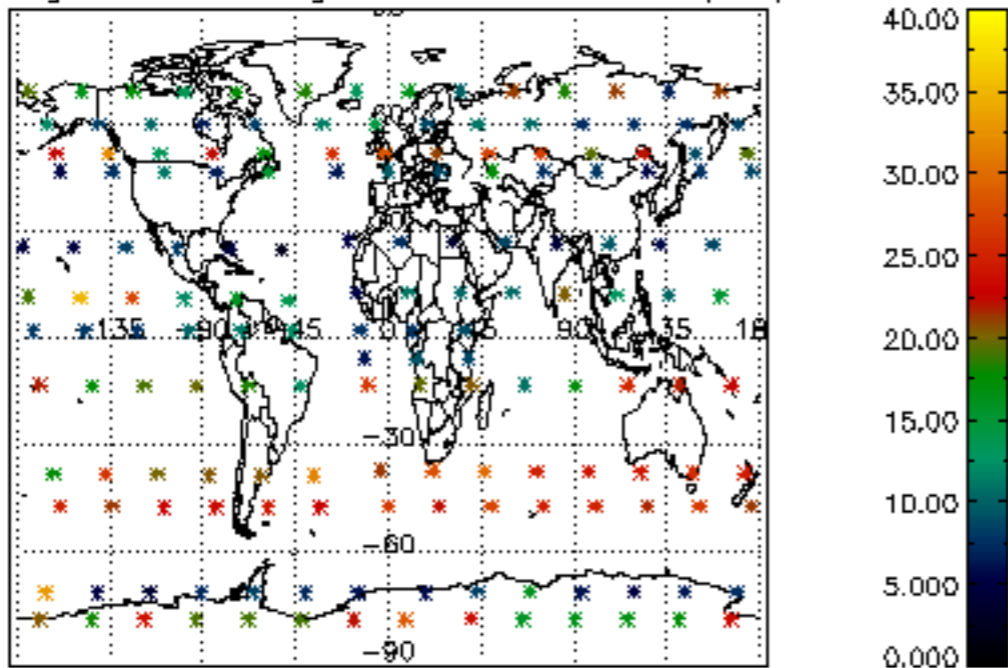
Percentage of cosmic ray hits per profile



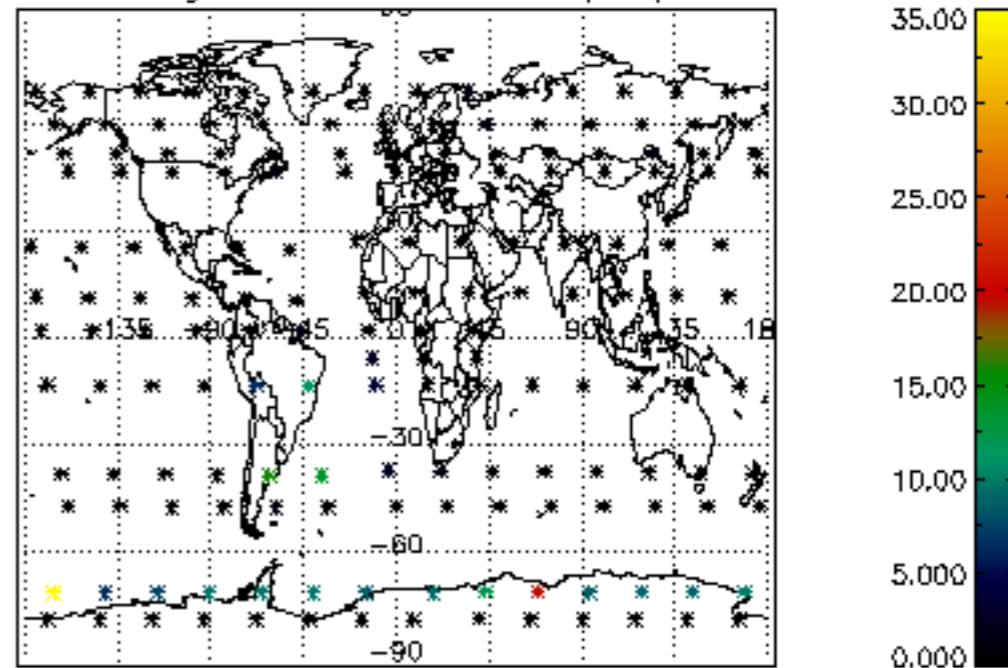
Percentage of datation errors per profile



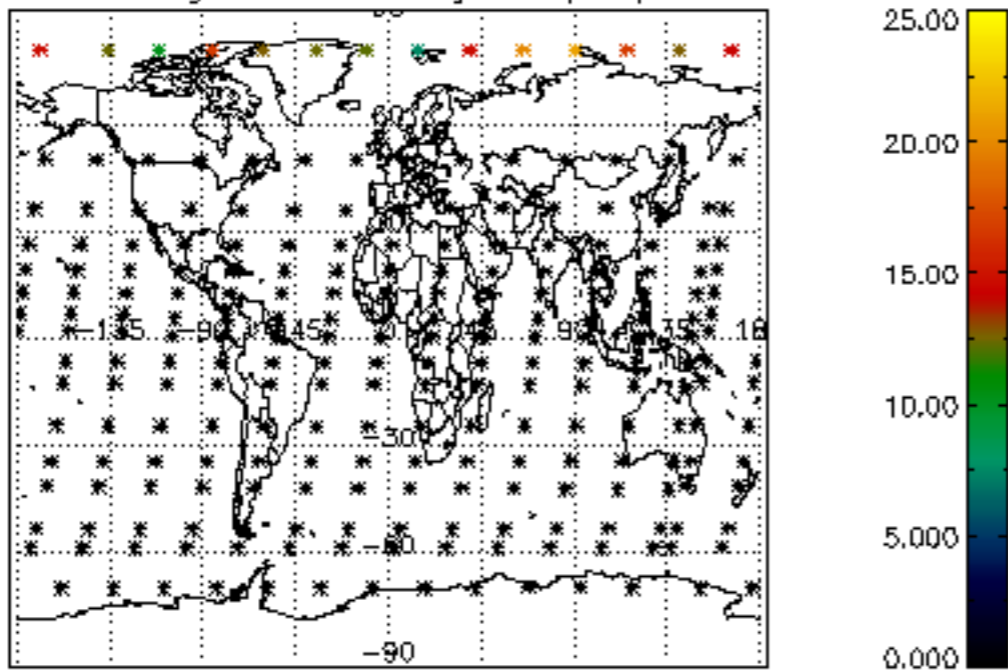
Percentage of star falling outside central band per profile



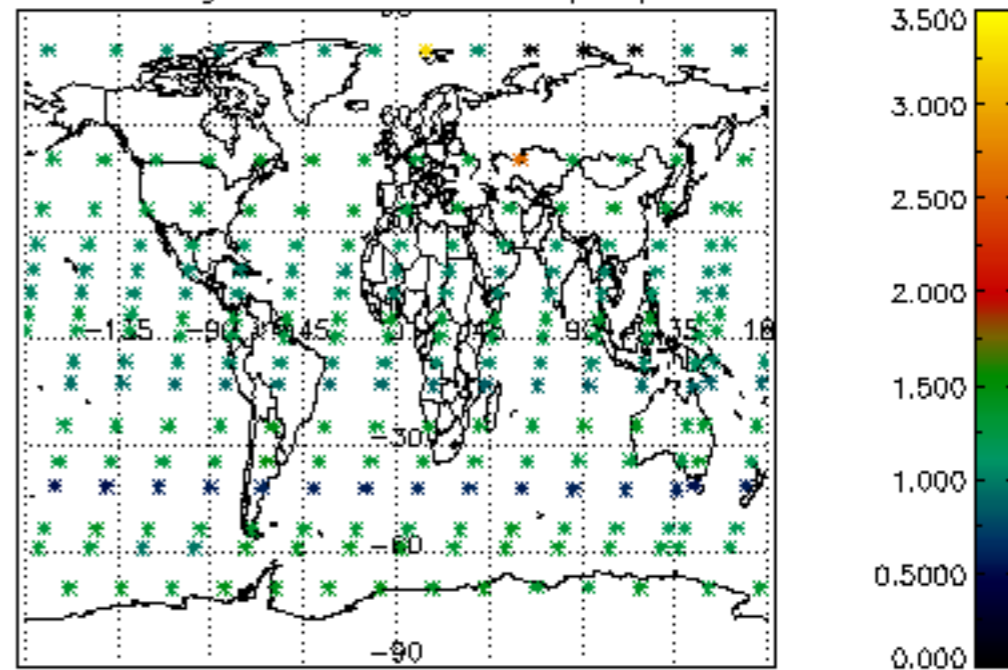
Percentage of saturation errors per profile



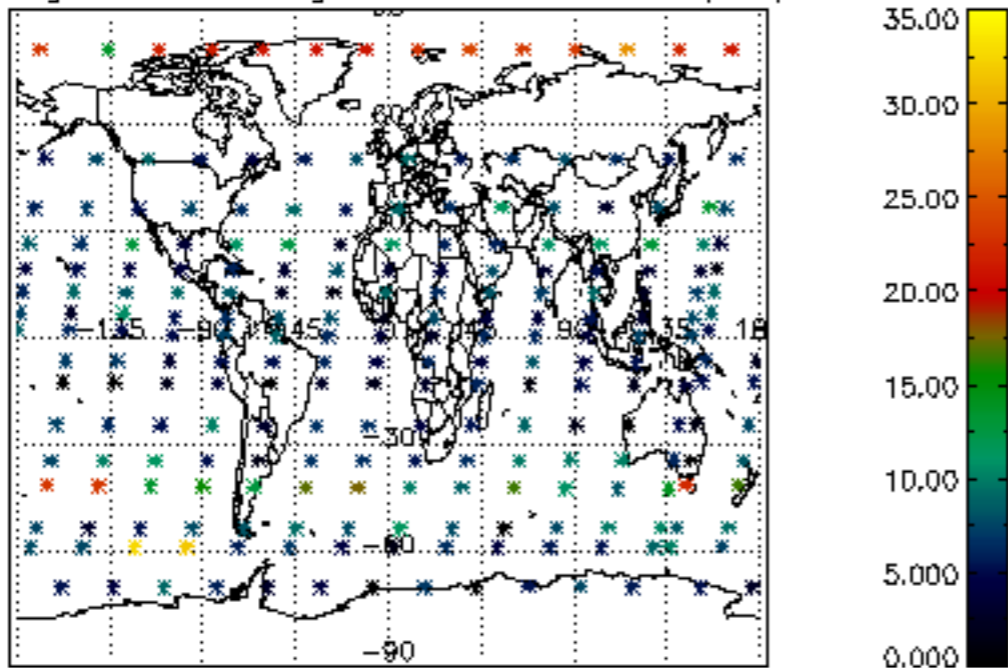
Percentage of cosmic ray hits per profile



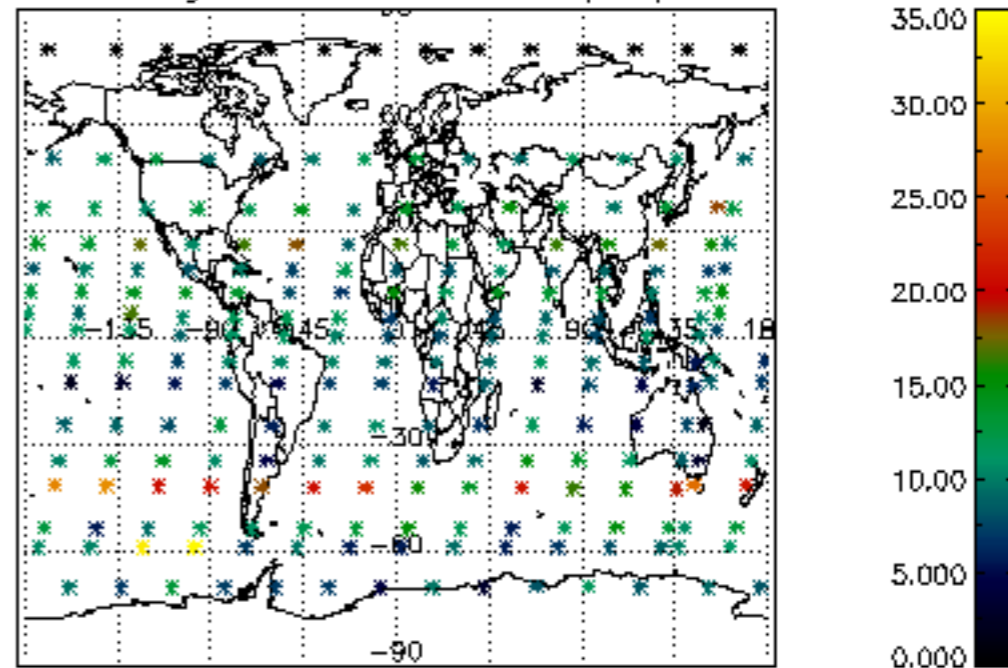
Percentage of datation errors per profile

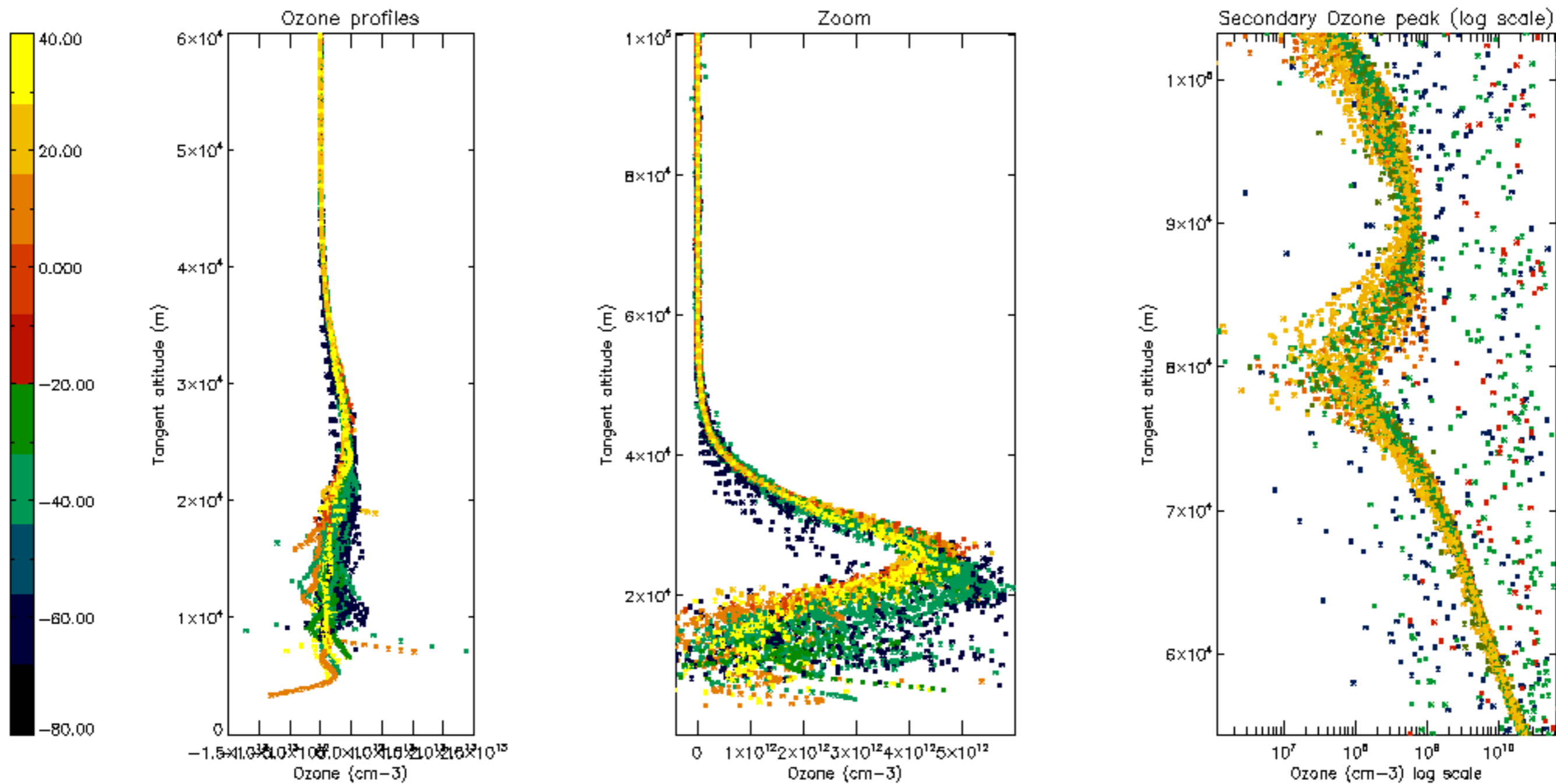


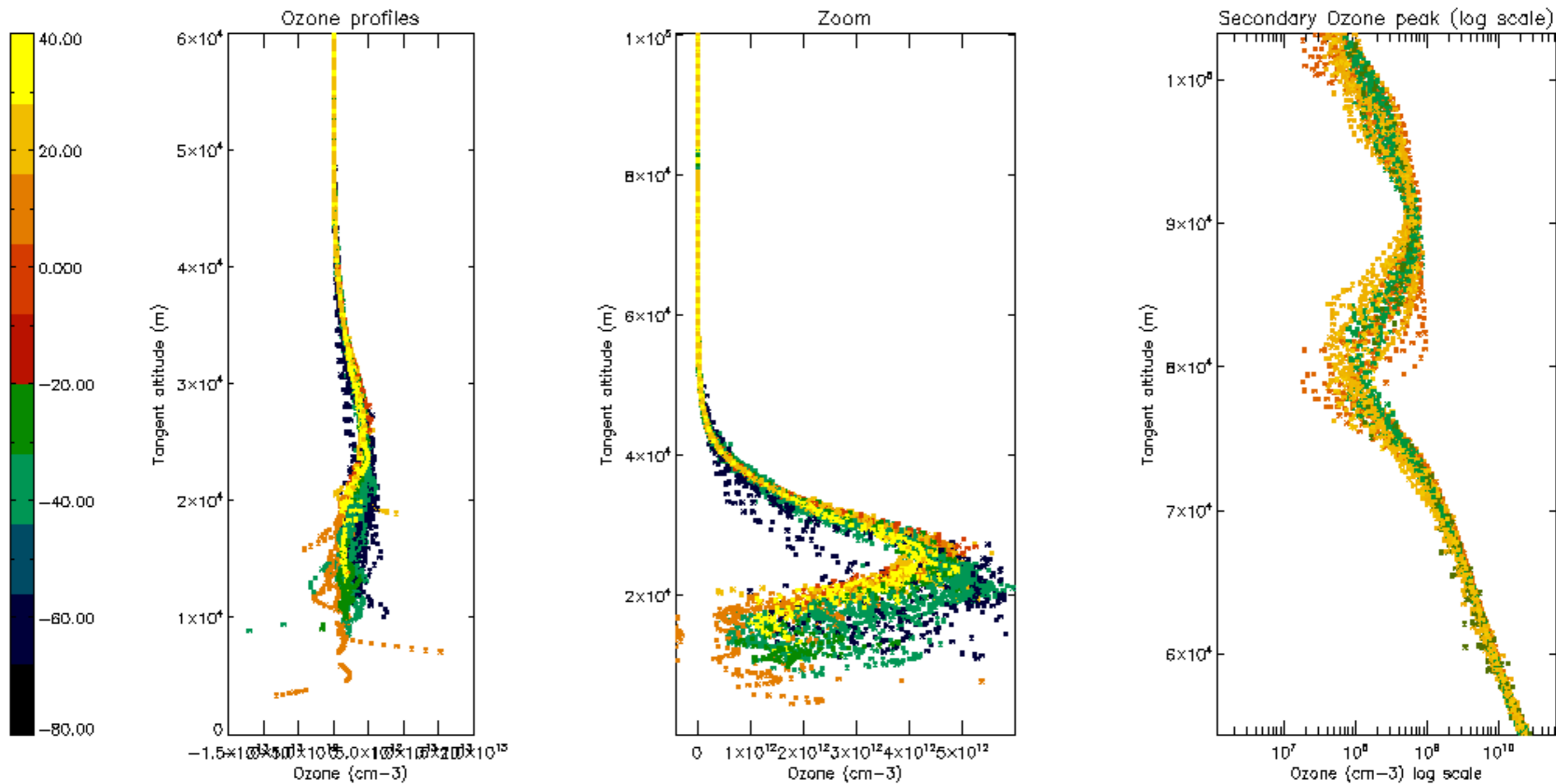
Percentage of star falling outside central band per profile

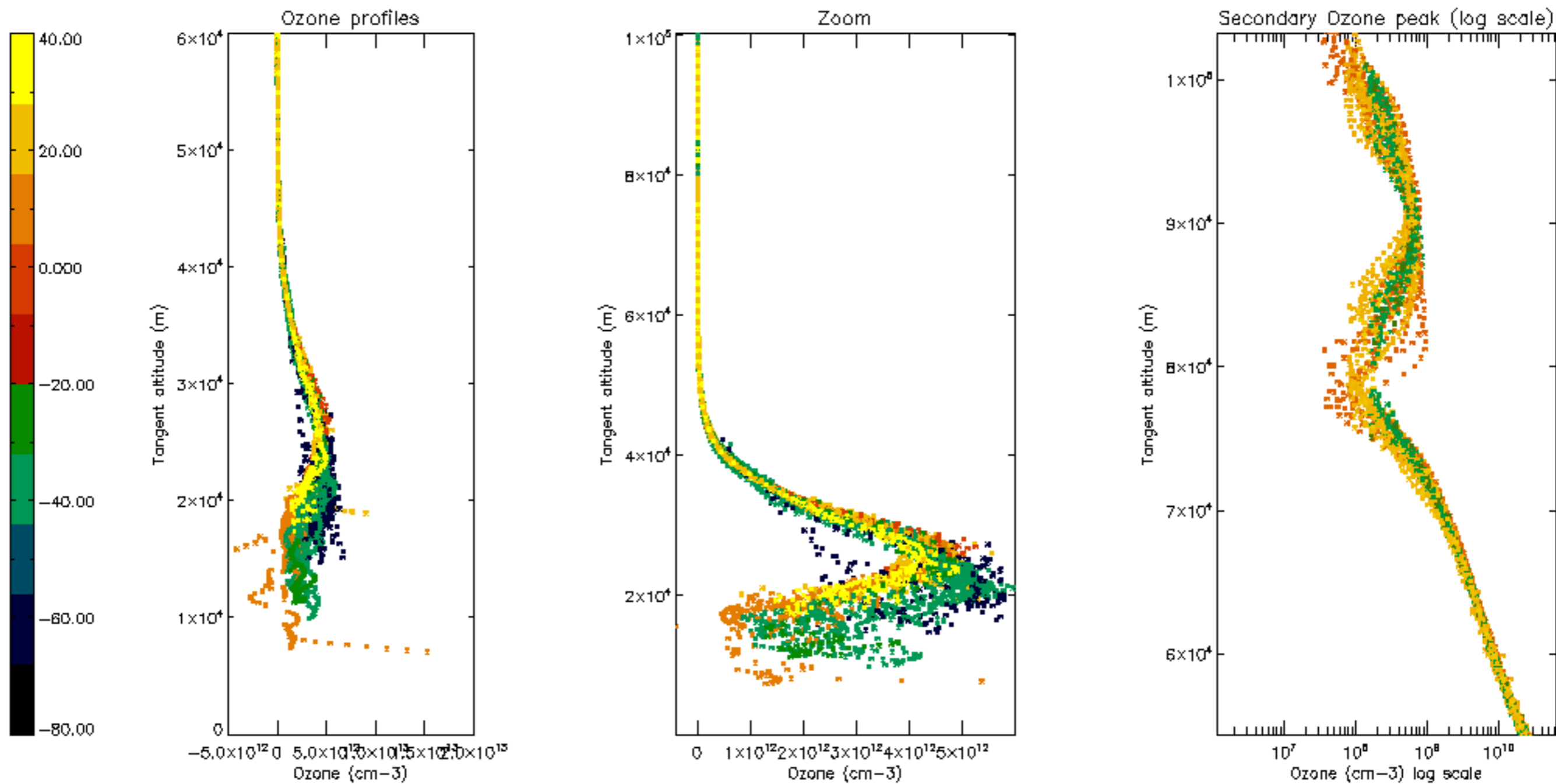


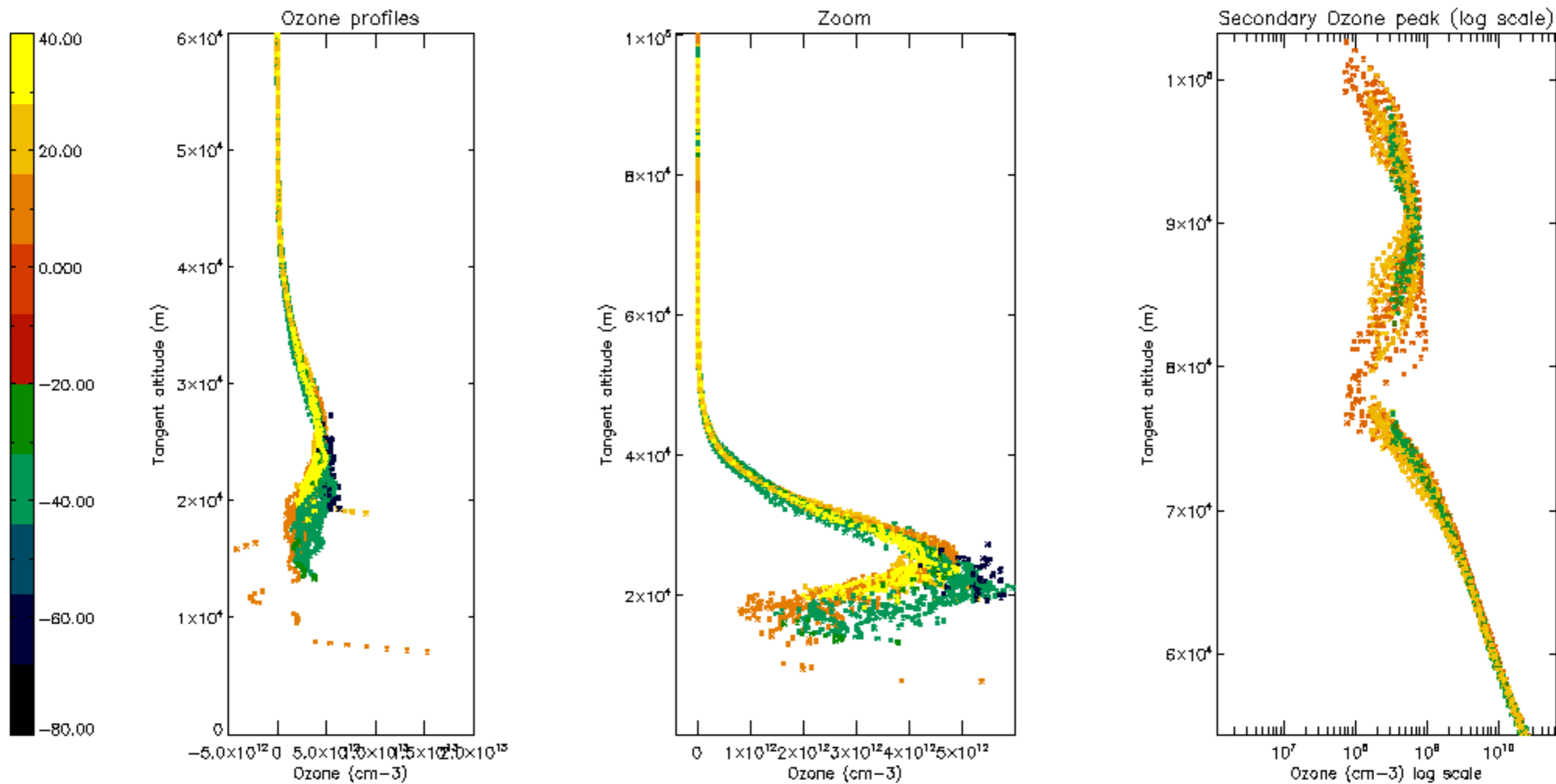
Percentage of saturation errors per profile

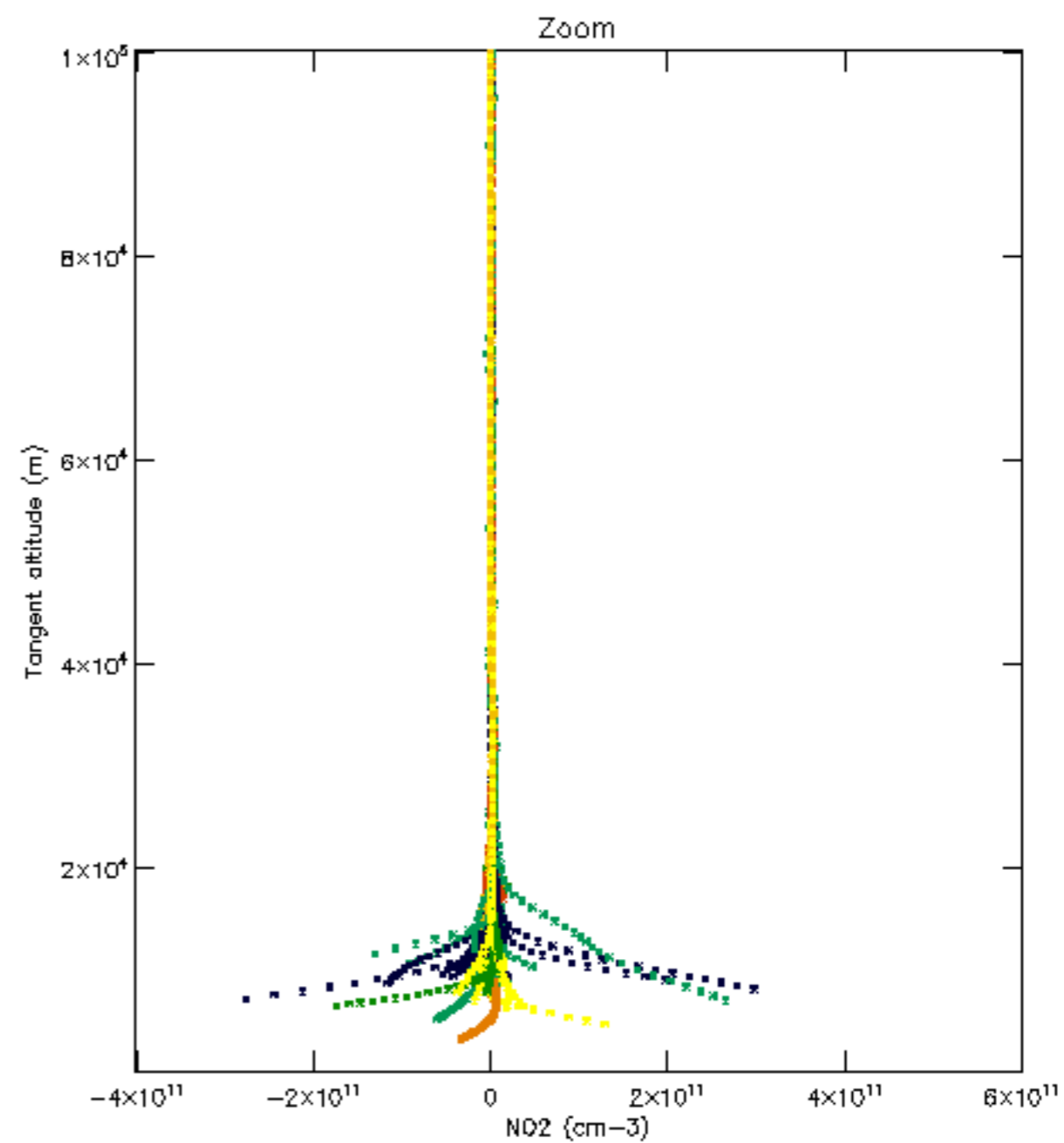
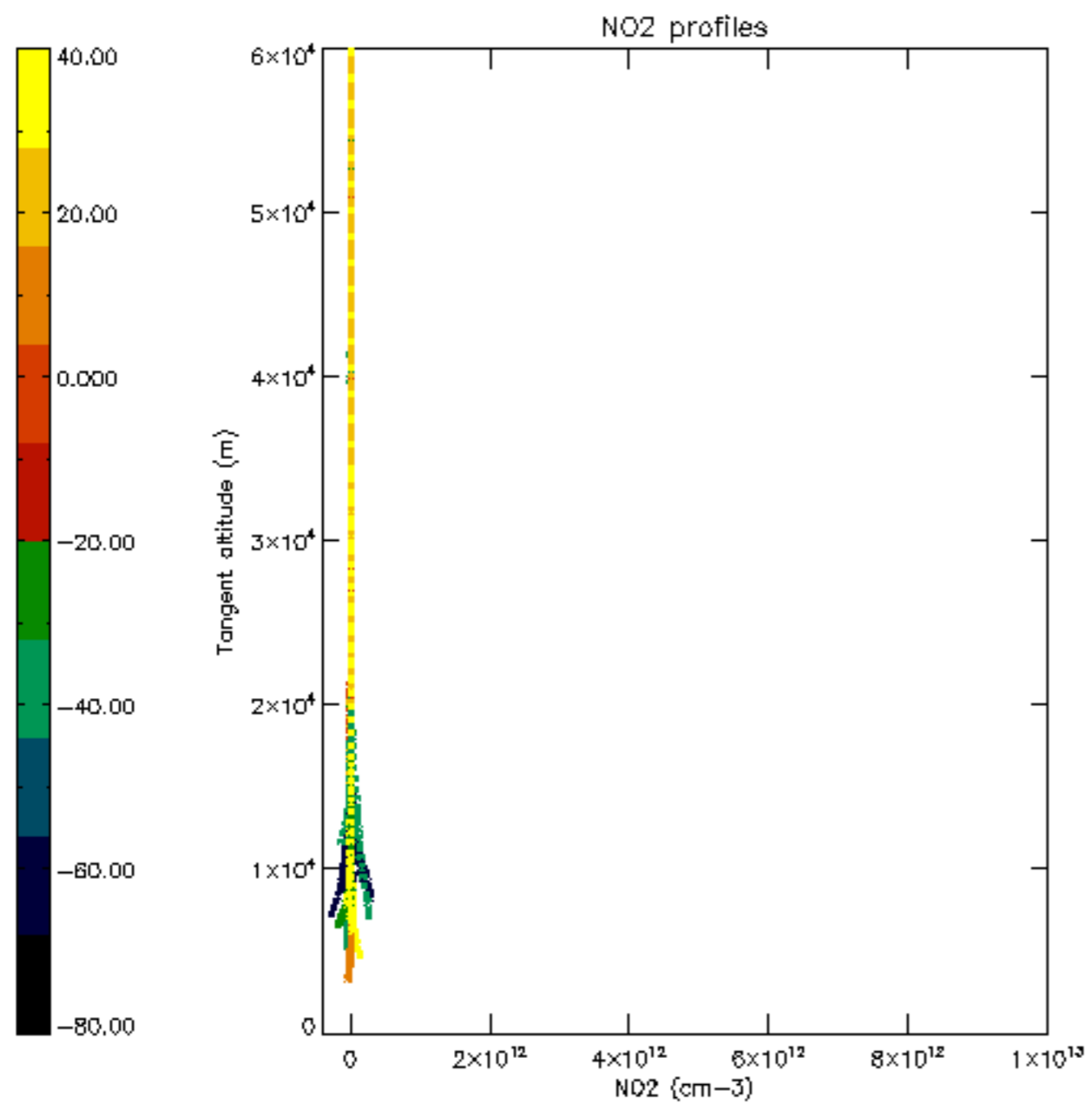


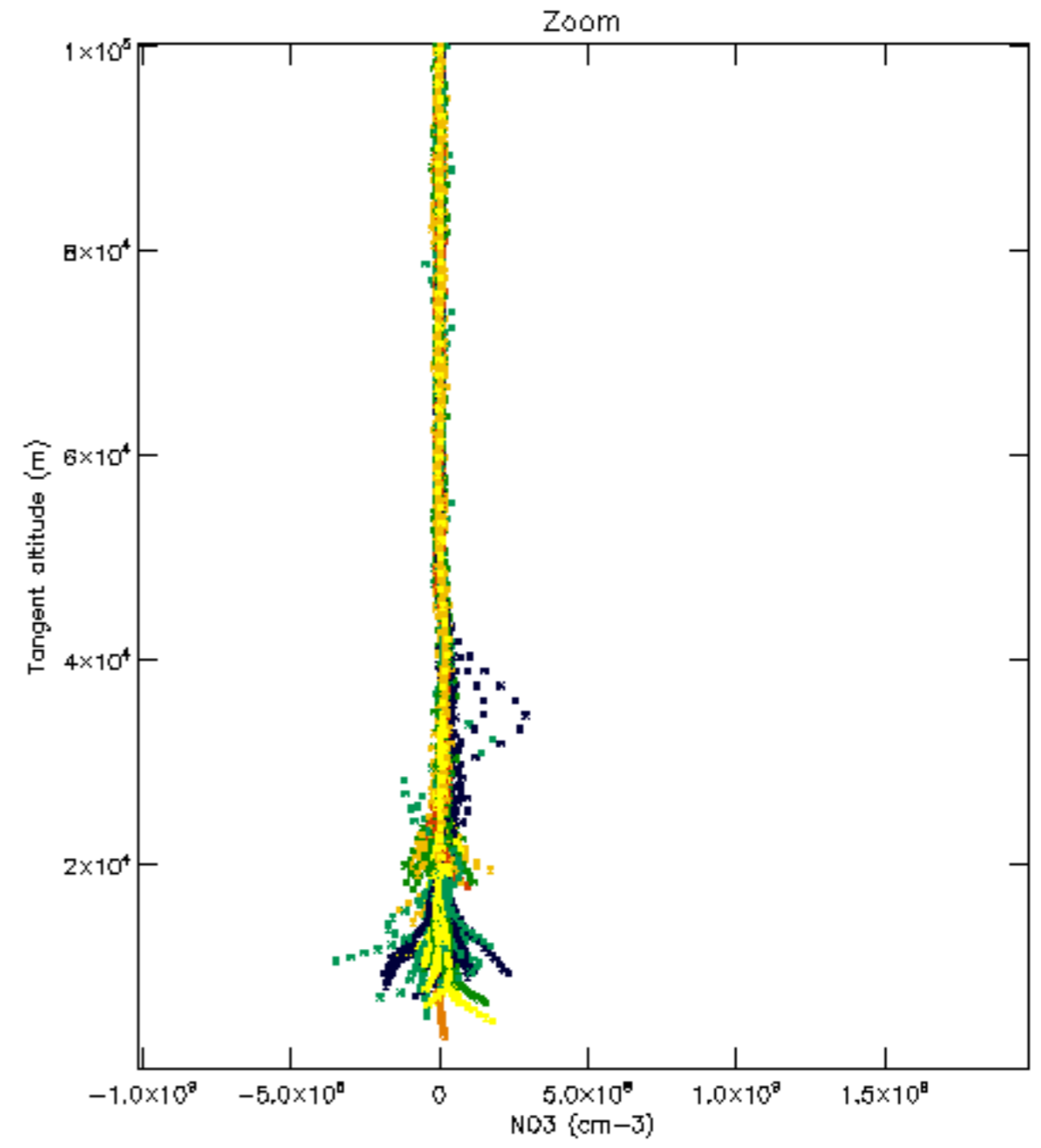
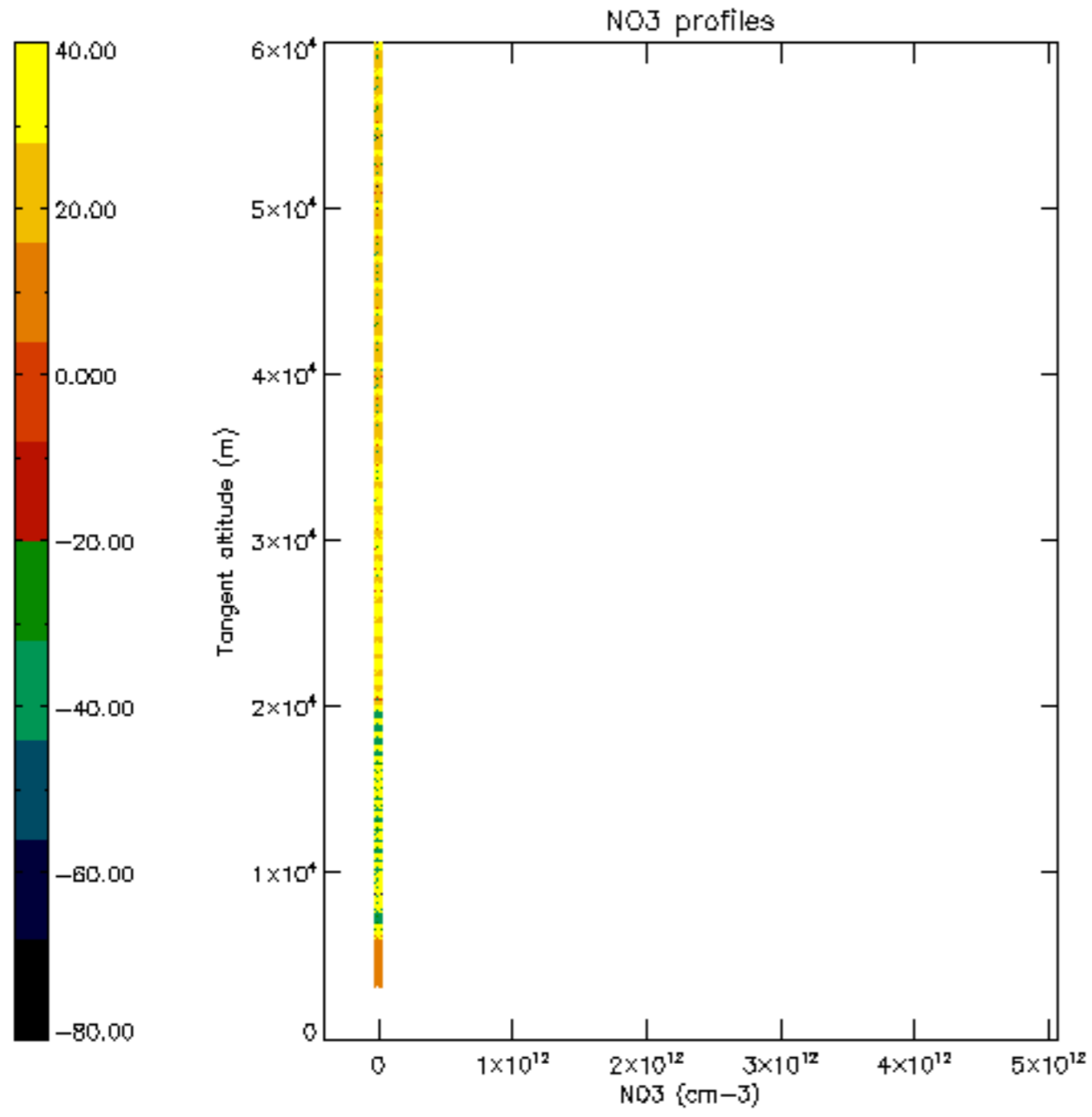


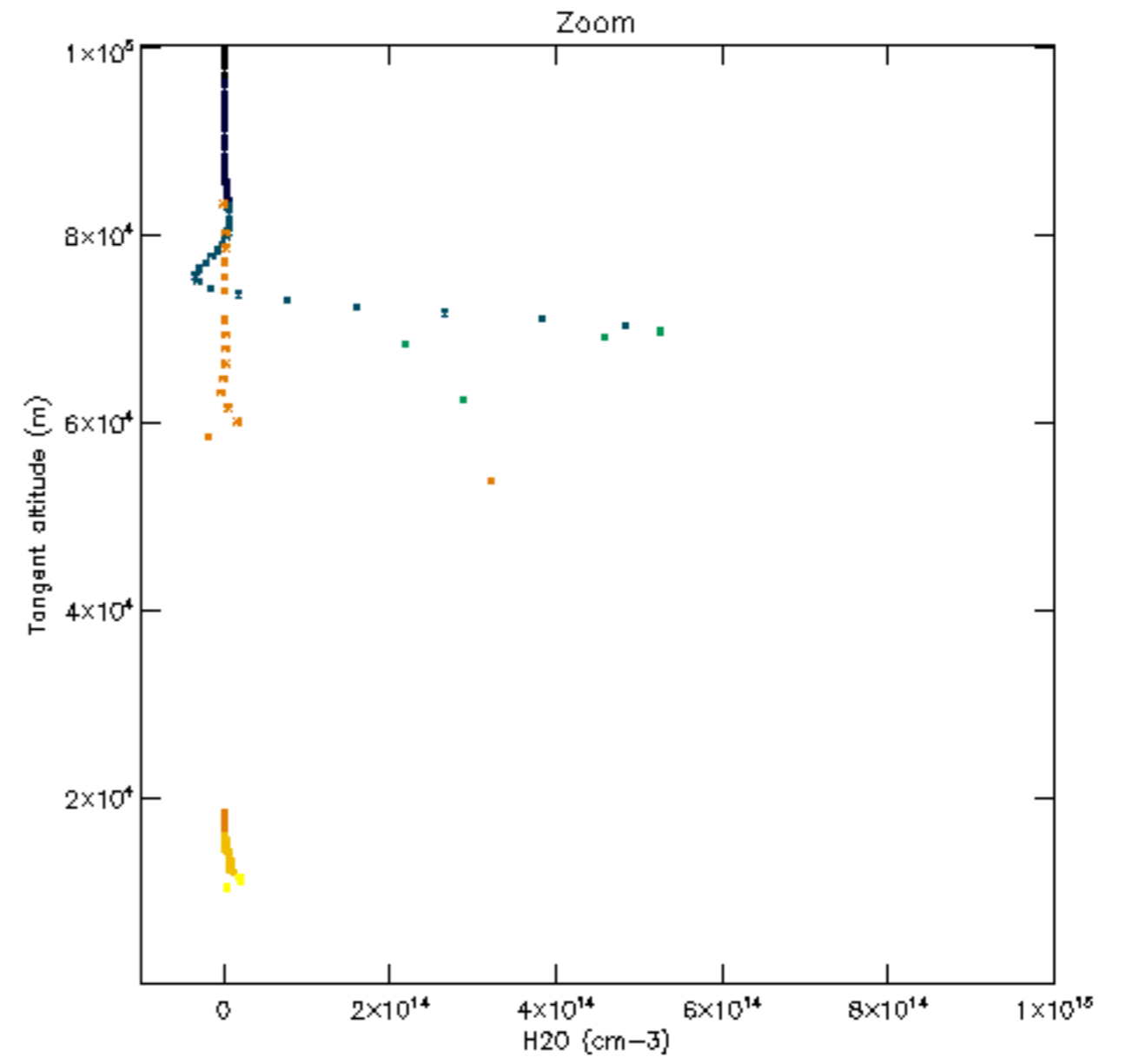
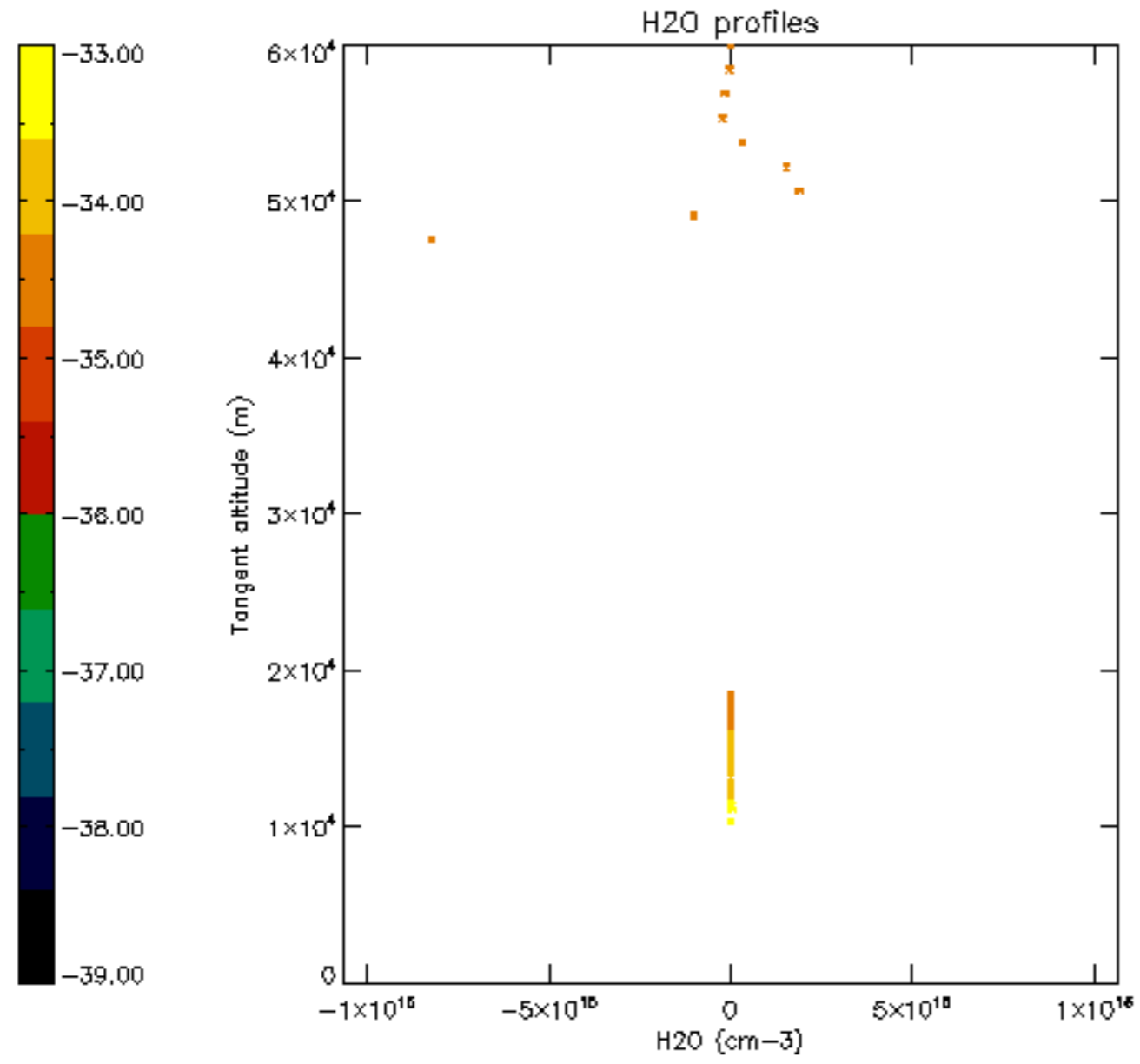


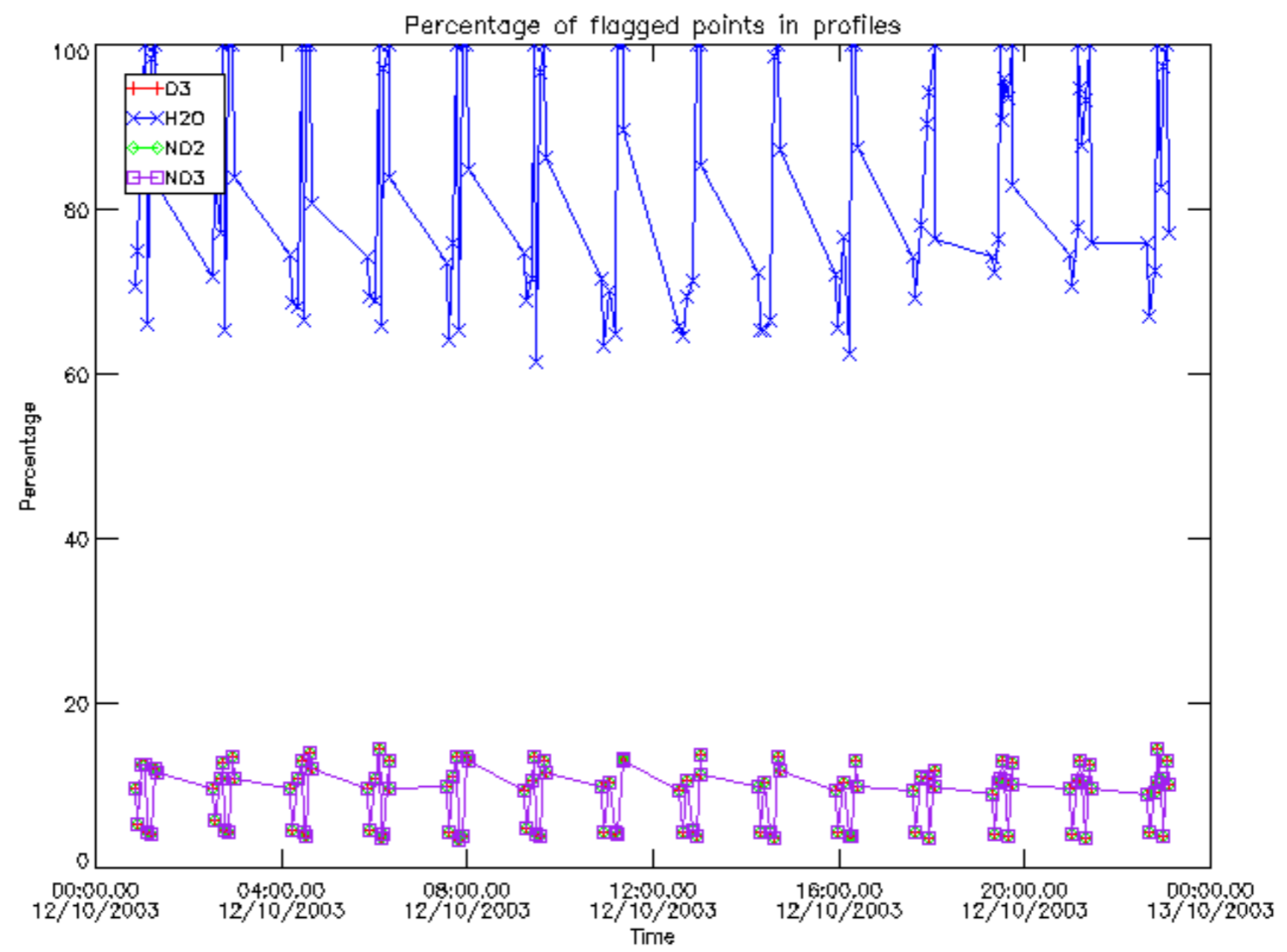




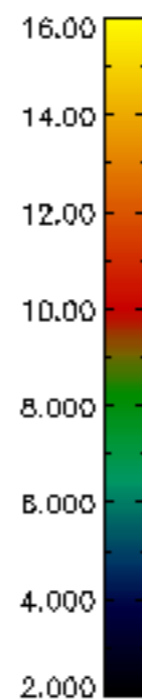
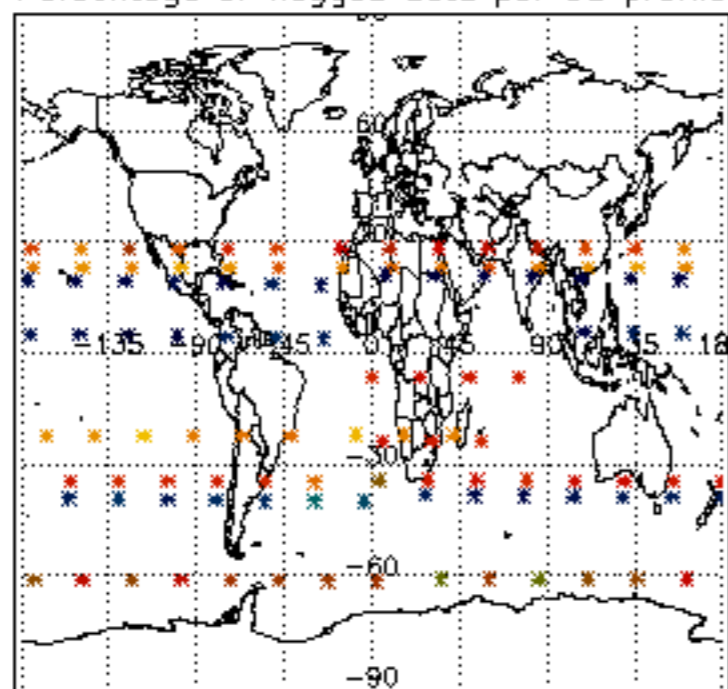




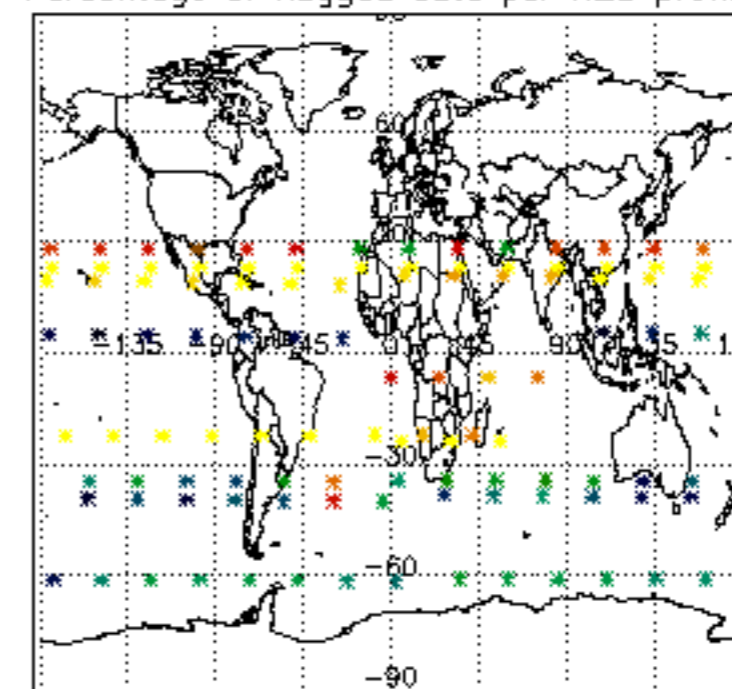




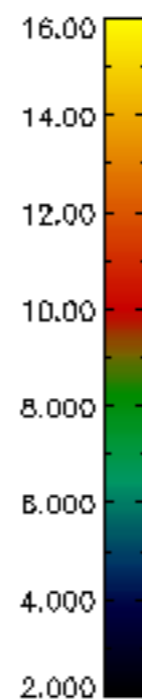
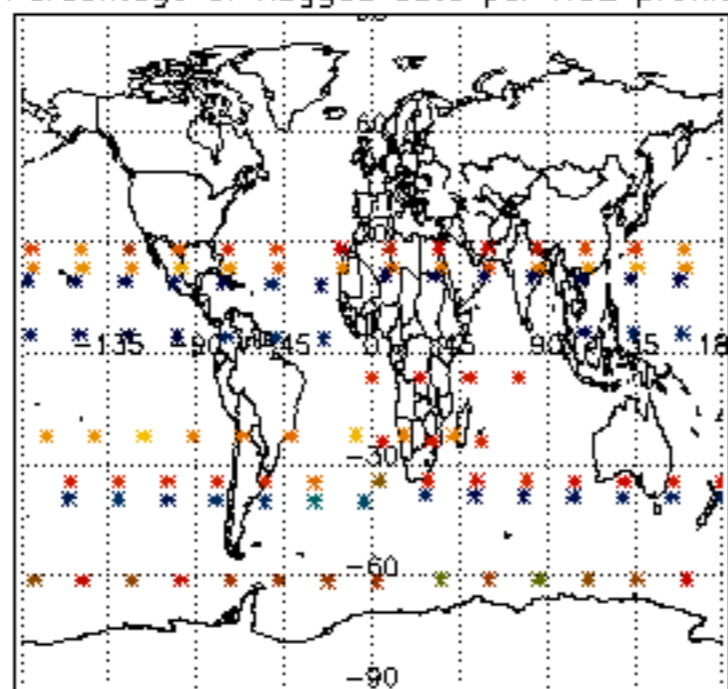
Percentage of flagged data per D3 profile



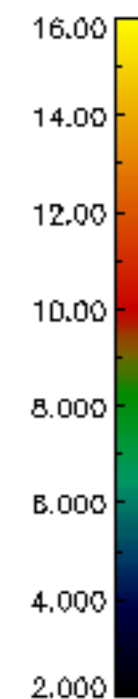
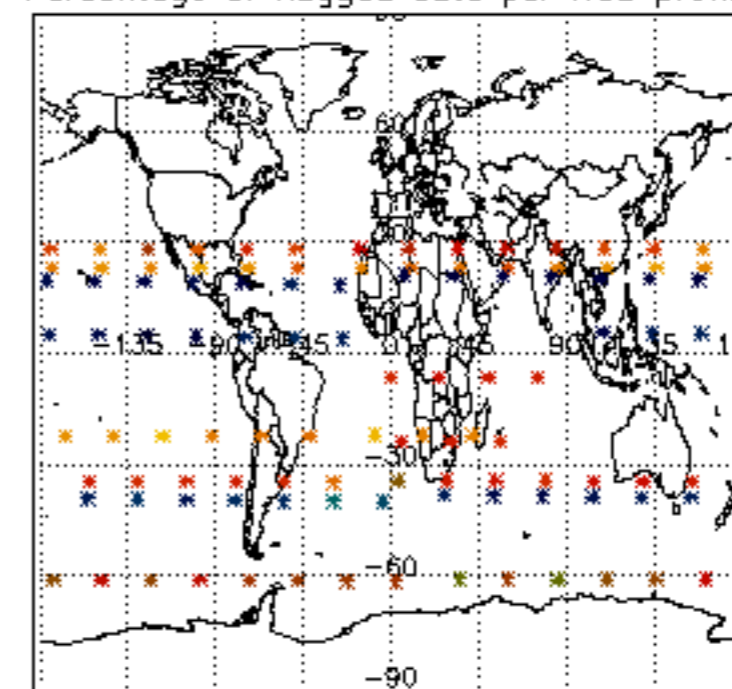
Percentage of flagged data per H2O profile

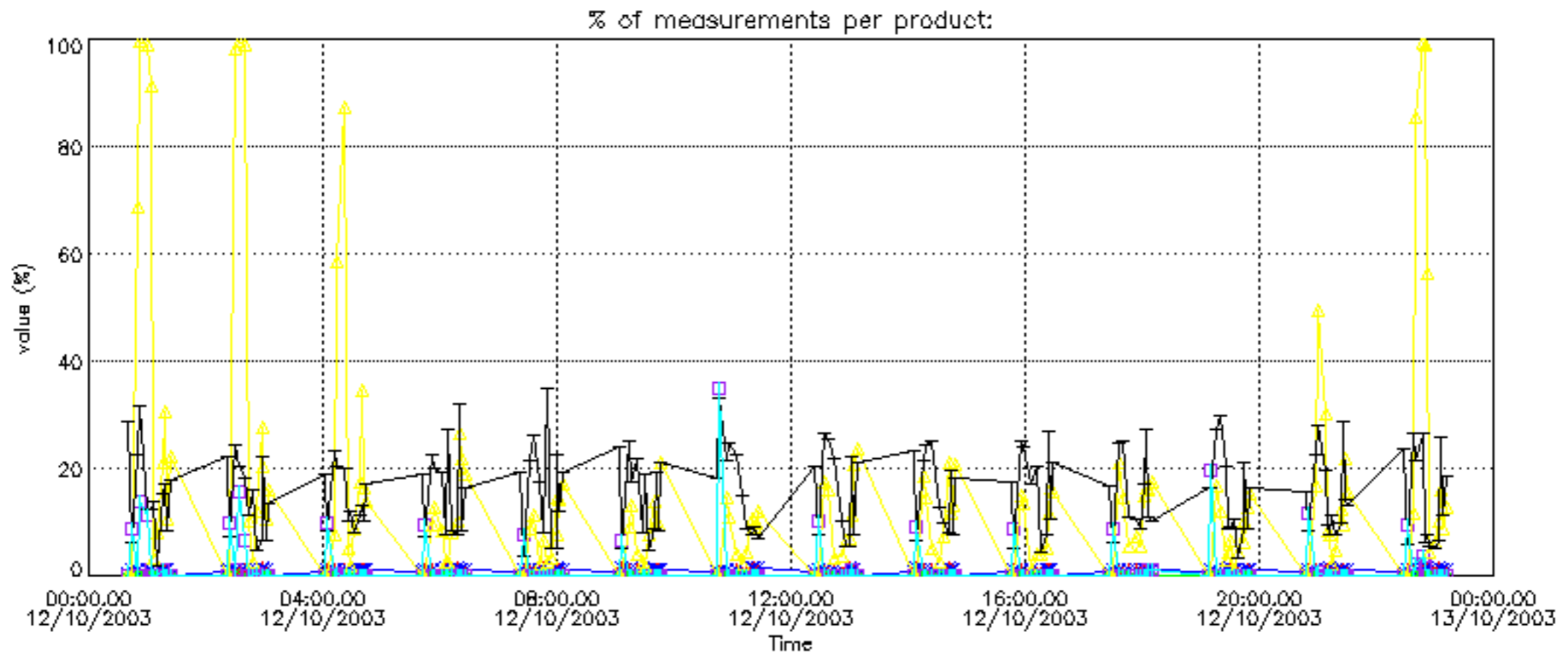


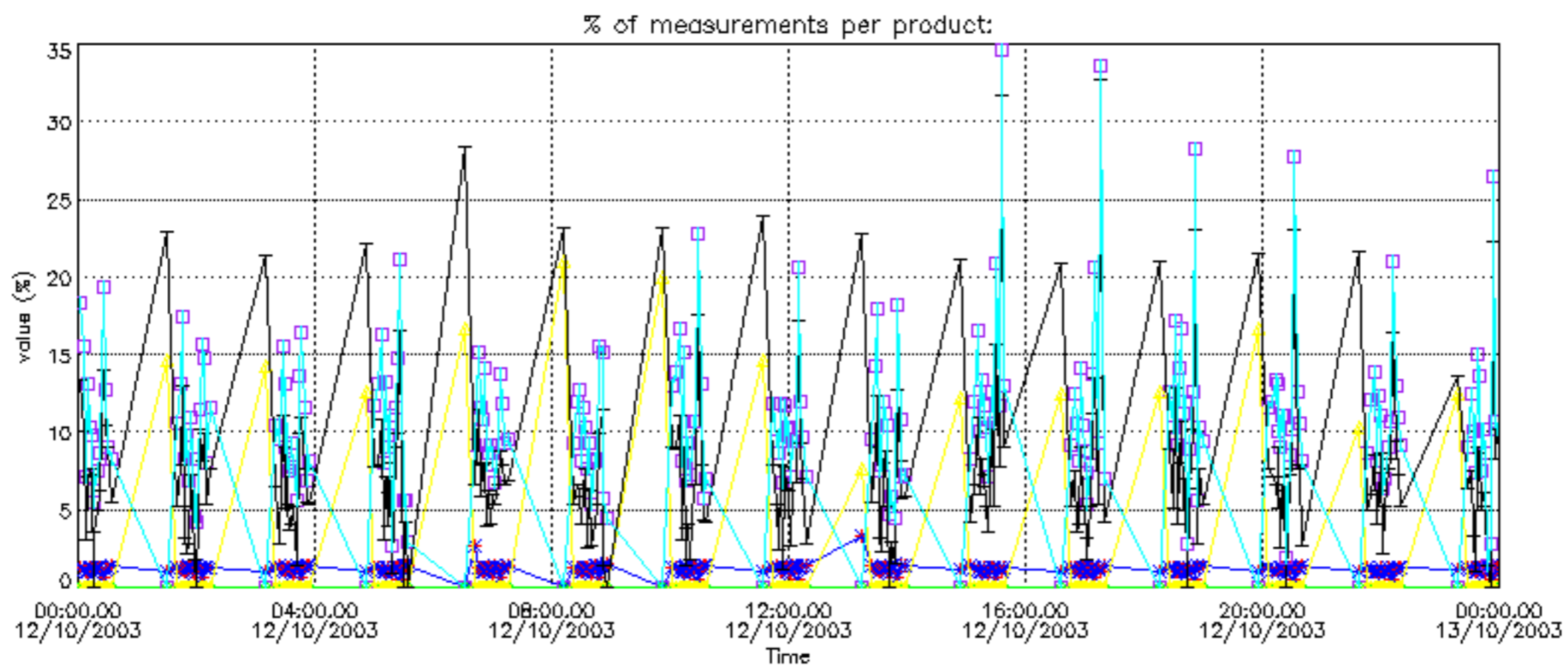
Percentage of flagged data per NO2 profile



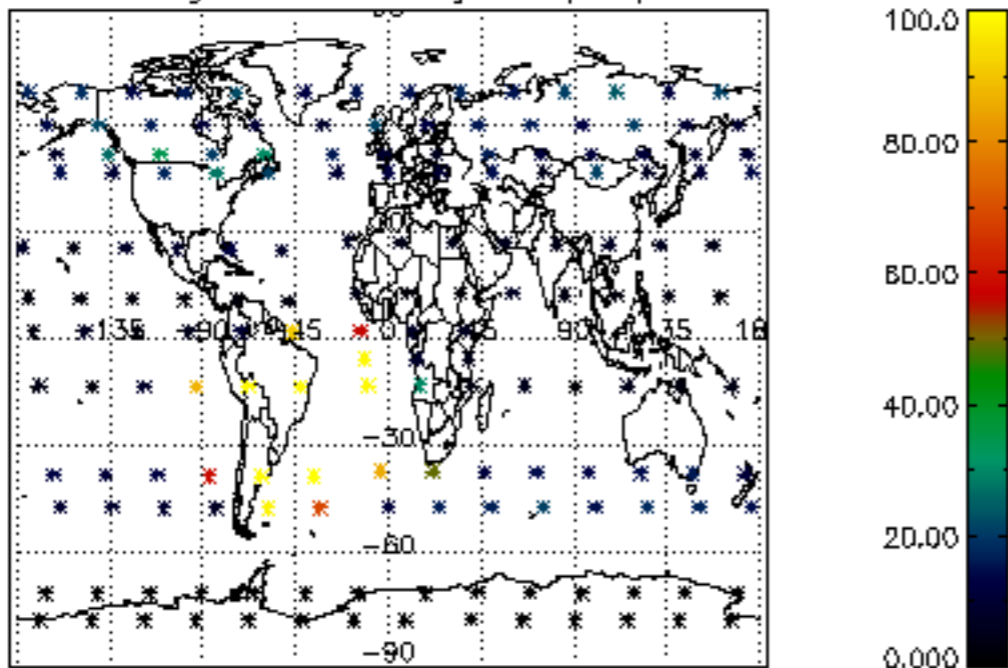
Percentage of flagged data per NO3 profile



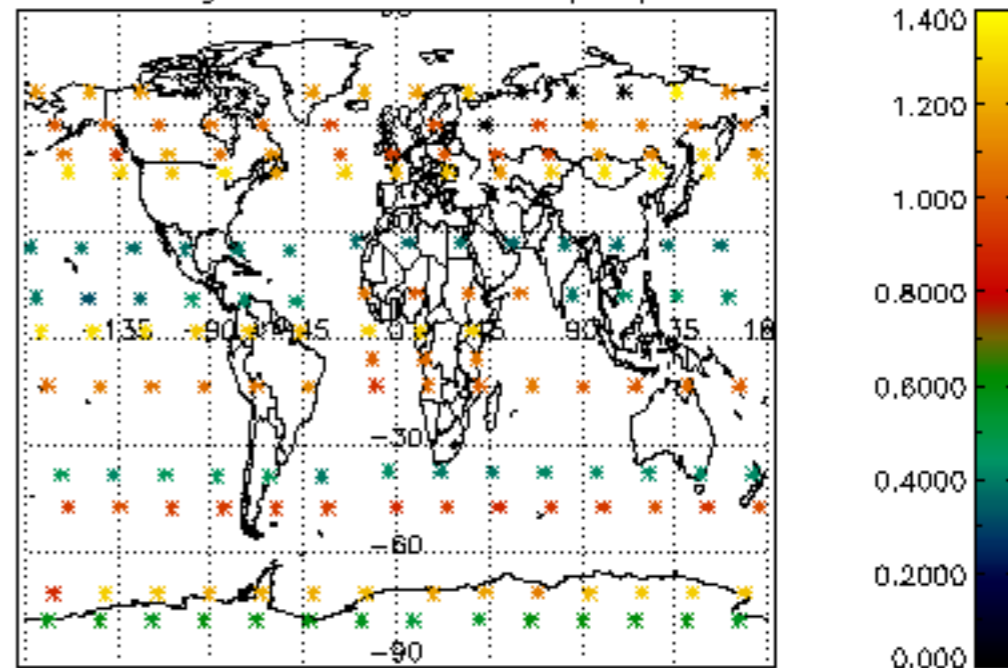




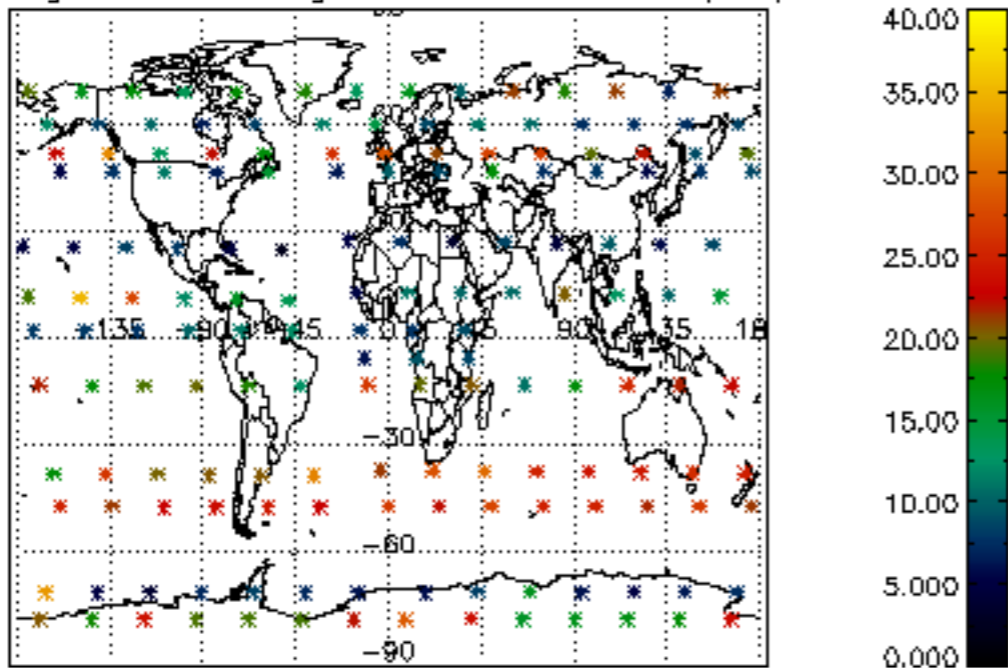
Percentage of cosmic ray hits per profile



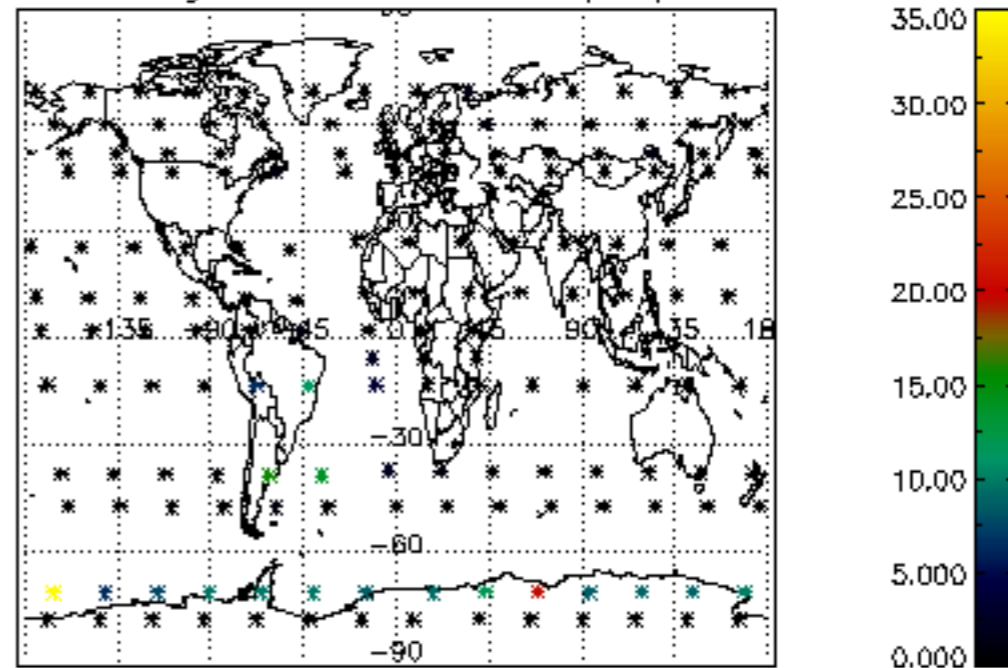
Percentage of datation errors per profile



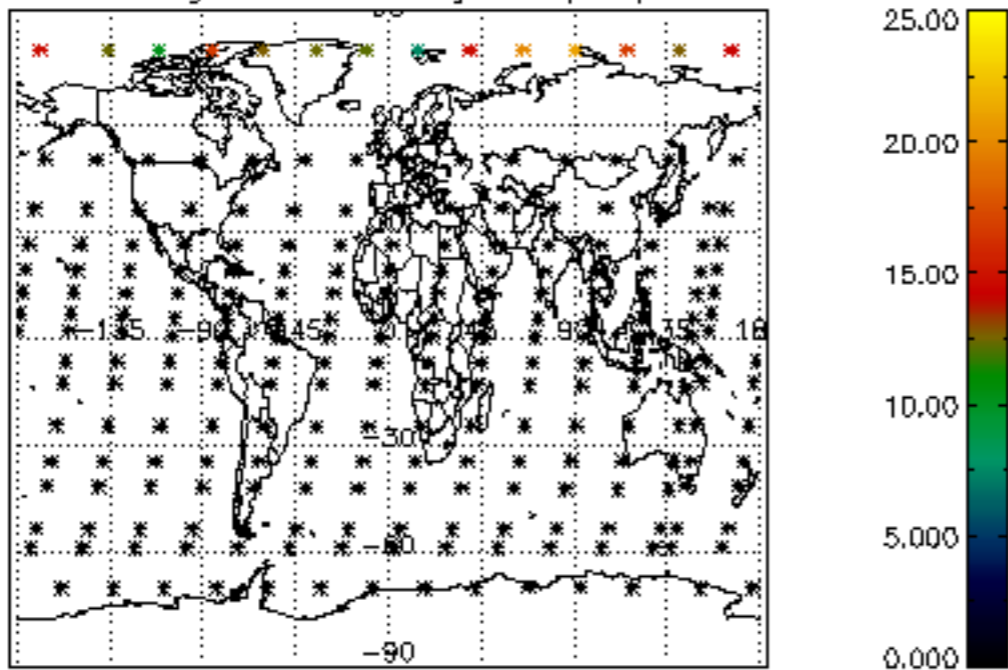
Percentage of star falling outside central band per profile



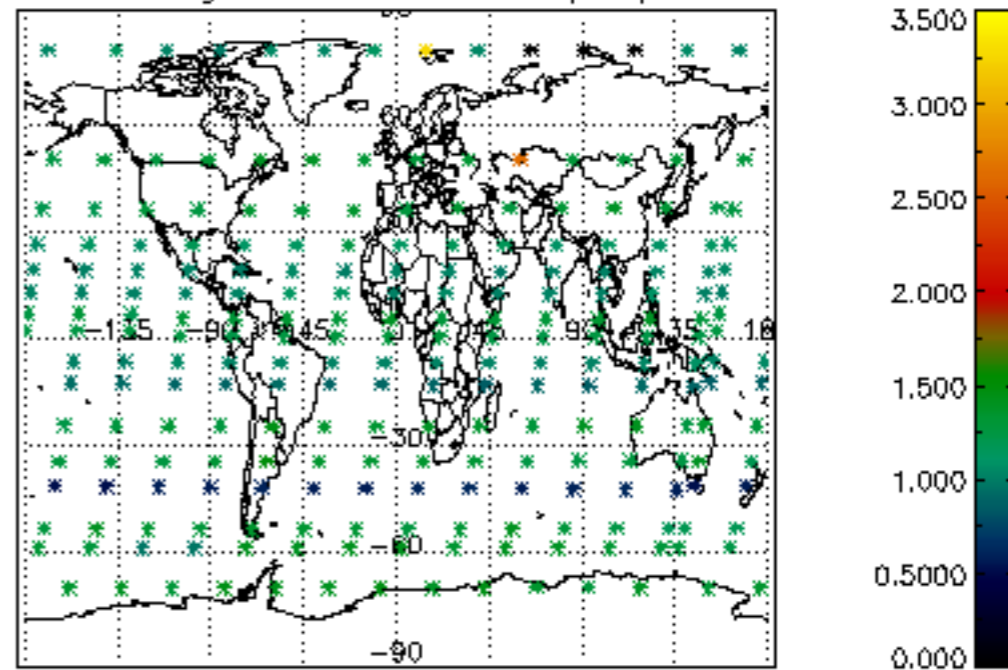
Percentage of saturation errors per profile



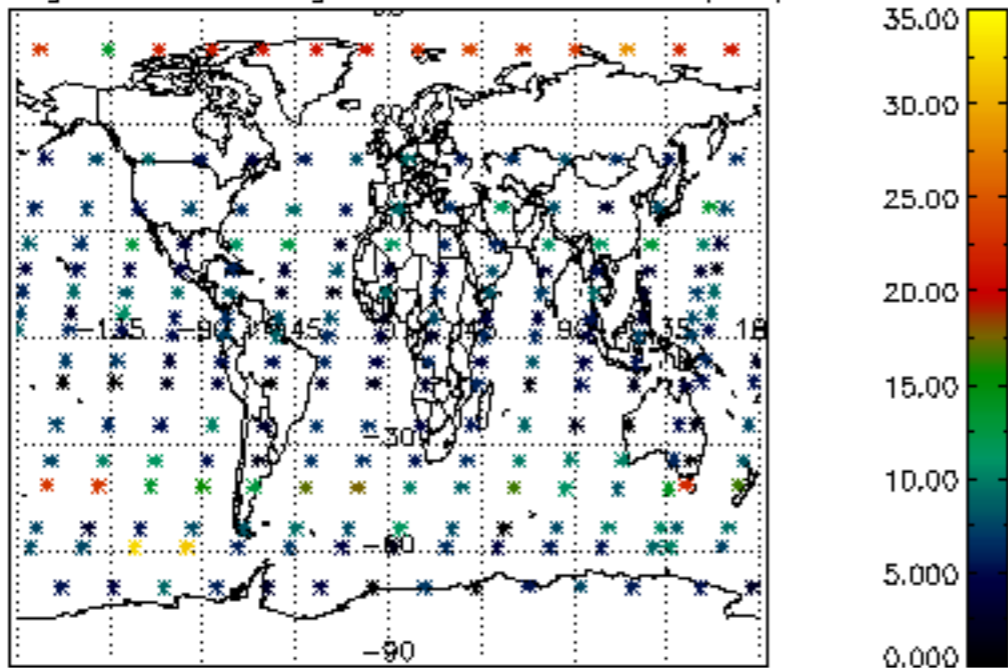
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

