

GOMOS Level 2 Daily Report

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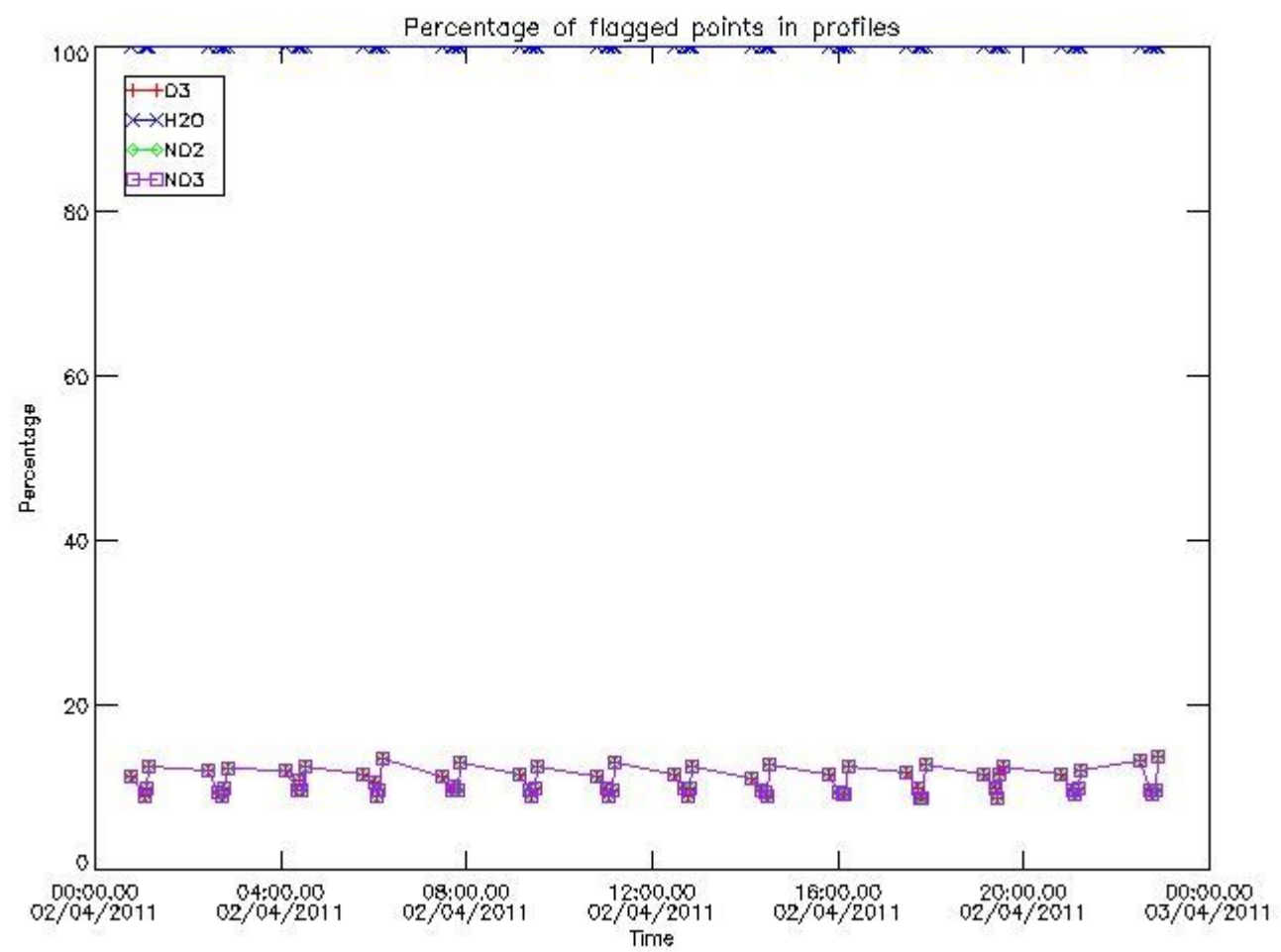
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| | | | | | | | | | | | |
|-----|--|----------------------|----------------|--------|-----|-----------|---------|--------|-----|-------|----|
| 279 | GOM_NL__2PRFIN20110402_212014_000000513101_00101_47529_8259.N1 | 02-APR-2011 21:20:14 | Straylight | 50.500 | 81 | Eta Cen | 2.3560 | 28000. | 101 | 47529 | No |
| 280 | GOM_NL__2PRFIN20110402_212253_000000513101_00101_47529_8260.N1 | 02-APR-2011 21:22:53 | Straylight | 51.000 | 54 | 5The Cen | 2.0550 | 4500.0 | 102 | 47529 | No |
| 281 | GOM_NL__2PRFIN20110402_212843_000000453101_00101_47529_8261.N1 | 02-APR-2011 21:28:43 | Tw_i_and_stray | 45.000 | 106 | 9Bet Crv | 2.6480 | 5600.0 | 90 | 47529 | No |
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| 283 | GOM_NL__2PRFIN20110402_213222_000000683101_00101_47529_8263.N1 | 02-APR-2011 21:32:22 | Bright | 68.000 | 15 | 67Alp Vir | 0.97600 | 28000. | 136 | 47529 | No |
| 284 | GOM_NL__2PRFIN20110402_213534_000000453101_00101_47529_8264.N1 | 02-APR-2011 21:35:34 | Bright | 44.500 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 89 | 47529 | No |
| 285 | GOM_NL__2PRFIN20110402_214011_000000383101_00101_47529_8265.N1 | 02-APR-2011 21:40:11 | Bright | 38.000 | 62 | 94Bet Leo | 2.1360 | 9700.0 | 76 | 47529 | No |
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| 289 | GOM_NL__2PRFIN20110402_215935_000000423101_00101_47529_8269.N1 | 02-APR-2011 21:59:35 | Bright | 41.500 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 83 | 47529 | No |
| 290 | GOM_NL__2PRFIN20110402_220907_000000503101_00101_47529_8270.N1 | 02-APR-2011 22:09:07 | Bright | 49.500 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 99 | 47529 | No |
| 291 | GOM_NL__2PRFIN20110402_221358_000000643101_00101_47529_8271.N1 | 02-APR-2011 22:13:58 | Bright | 64.000 | 144 | 18Del Cyg | 2.8600 | 11000. | 128 | 47529 | No |
| 292 | GOM_NL__2PRFIN20110402_221557_000000473101_00101_47529_8272.N1 | 02-APR-2011 22:15:57 | Bright | 47.000 | 66 | 37Gam Cyg | 2.2080 | 5900.0 | 94 | 47529 | No |
| 293 | GOM_NL__2PRFIN20110402_221802_000000453101_00101_47529_8273.N1 | 02-APR-2011 22:18:02 | Bright | 44.500 | 92 | 53Eps Cyg | 2.5000 | 4500.0 | 89 | 47529 | No |
| 294 | GOM_NL__2PRFIN20110402_222440_000000483101_00101_47529_8274.N1 | 02-APR-2011 22:24:40 | Tw_i_and_stray | 47.500 | 61 | 8Eps Peg | 2.1000 | 3900.0 | 95 | 47529 | No |
| 295 | GOM_NL__2PRFIN20110402_222918_000000463101_00101_47529_8275.N1 | 02-APR-2011 22:29:18 | Dark | 45.500 | 154 | 22Bet Aqr | 2.8990 | 5700.0 | 91 | 47529 | No |
| 296 | GOM_NL__2PRFIN20110402_224252_000000533101_00101_47529_8276.N1 | 02-APR-2011 22:42:52 | Dark | 52.500 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 105 | 47529 | No |
| 297 | GOM_NL__2PRFIN20110402_224626_000000563101_00102_47530_8255.N1 | 02-APR-2011 22:46:26 | Dark | 56.000 | 38 | 20Eps Sgr | 1.8360 | 11000. | 112 | 47530 | No |
| 298 | GOM_NL__2PRFIN20110402_225006_000000543101_00102_47530_8256.N1 | 02-APR-2011 22:50:06 | Dark | 53.500 | 40 | The Sco | 1.8590 | 7100.0 | 107 | 47530 | No |
| 299 | GOM_NL__2PRFIN20110402_225327_000000413101_00102_47530_8257.N1 | 02-APR-2011 22:53:27 | Dark | 40.500 | 134 | Bet TrA | 2.8100 | 6600.0 | 81 | 47530 | No |
| 300 | GOM_NL__2PRFIN20110402_225852_000000483101_00102_47530_8258.N1 | 02-APR-2011 22:58:52 | Straylight | 47.500 | 78 | Alp Lup | 2.3040 | 28000. | 95 | 47530 | No |
| 301 | GOM_NL__2PRFIN20110402_230028_000000493101_00102_47530_8259.N1 | 02-APR-2011 23:00:28 | Straylight | 48.500 | 81 | Eta Cen | 2.3560 | 28000. | 97 | 47530 | No |
| 302 | GOM_NL__2PRFIN20110402_230308_000000523101_00102_47530_8260.N1 | 02-APR-2011 23:03:08 | Straylight | 52.000 | 54 | 5The Cen | 2.0550 | 4500.0 | 104 | 47530 | No |
| 303 | GOM_NL__2PRFIN20110402_230857_000000483101_00102_47530_8261.N1 | 02-APR-2011 23:08:57 | Tw_i_and_stray | 47.500 | 106 | 9Bet Crv | 2.6480 | 5600.0 | 95 | 47530 | No |
| 304 | GOM_NL__2PRFIN20110402_231053_000000433101_00102_47530_8262.N1 | 02-APR-2011 23:10:53 | Tw_i_and_stray | 43.000 | 100 | 4Gam Crv | 2.5800 | 13100. | 86 | 47530 | No |
| 305 | GOM_NL__2PRFIN20110402_231236_000000613101_00102_47530_8263.N1 | 02-APR-2011 23:12:36 | Bright | 61.000 | 15 | 67Alp Vir | 0.97600 | 28000. | 122 | 47530 | No |
| 306 | GOM_NL__2PRFIN20110402_231548_000000443101_00102_47530_8264.N1 | 02-APR-2011 23:15:48 | Bright | 43.500 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 87 | 47530 | No |
| 307 | GOM_NL__2PRFIN20110402_232025_000000393101_00102_47530_8265.N1 | 02-APR-2011 23:20:25 | Bright | 38.500 | 62 | 94Bet Leo | 2.1360 | 9700.0 | 77 | 47530 | No |
| 308 | GOM_NL__2PRFIN20110402_232844_000000443101_00102_47530_8266.N1 | 02-APR-2011 23:28:44 | Bright | 43.500 | 152 | 12Alp2CVn | 2.8900 | 11000. | 87 | 47530 | No |
| 309 | GOM_NL__2PRFIN20110402_233146_000000383101_00102_47530_8267.N1 | 02-APR-2011 23:31:46 | Bright | 38.000 | 87 | 64Gam UMa | 2.4330 | 11000. | 76 | 47530 | No |
| 310 | GOM_NL__2PRFIN20110402_233329_000000593101_00102_47530_8268.N1 | 02-APR-2011 23:33:29 | Bright | 59.000 | 32 | 77Eps UMa | 1.7630 | 11000. | 118 | 47530 | No |
| 311 | GOM_NL__2PRFIN20110402_233949_000000413101_00102_47530_8269.N1 | 02-APR-2011 23:39:49 | Bright | 41.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 82 | 47530 | No |
| 312 | GOM_NL__2PRFIN20110402_234921_000000383101_00102_47530_8270.N1 | 02-APR-2011 23:49:21 | Bright | 38.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 76 | 47530 | No |
| 313 | GOM_NL__2PRFIN20110402_235412_000000493101_00102_47530_8271.N1 | 02-APR-2011 23:54:12 | Bright | 48.500 | 144 | 18Del Cyg | 2.8600 | 11000. | 97 | 47530 | No |
| 314 | GOM_NL__2PRFIN20110402_235611_000000443101_00102_47530_8272.N1 | 02-APR-2011 23:56:11 | Bright | 44.000 | 66 | 37Gam Cyg | 2.2080 | 5900.0 | 88 | 47530 | No |
| 315 | GOM_NL__2PRFIN20110402_235816_000000443101_00102_47530_8273.N1 | 02-APR-2011 23:58:16 | Bright | 43.500 | 92 | 53Eps Cyg | 2.5000 | 4500.0 | 87 | 47530 | No |

3. Quality information per product

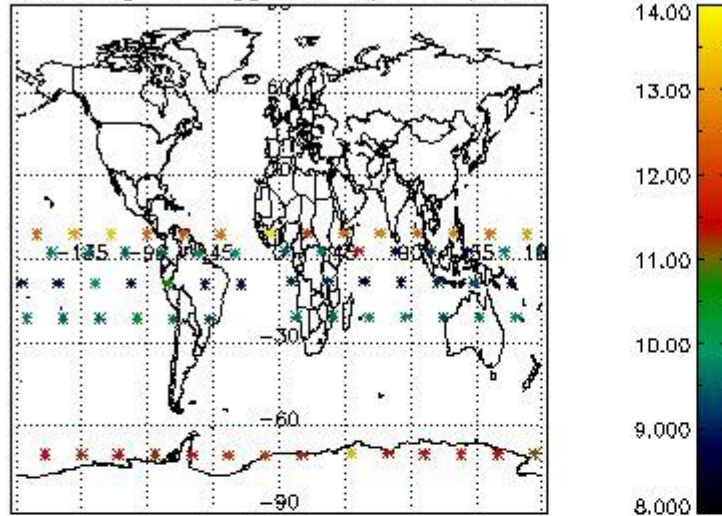
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

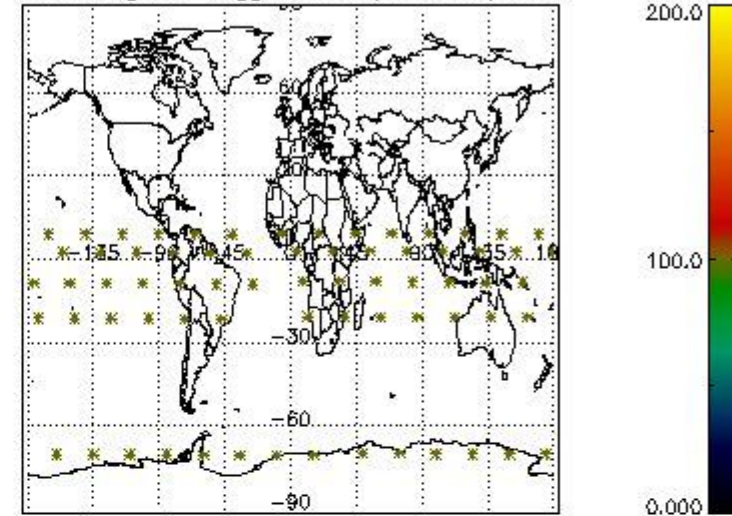


3.2 Plot quality information per product (world map)

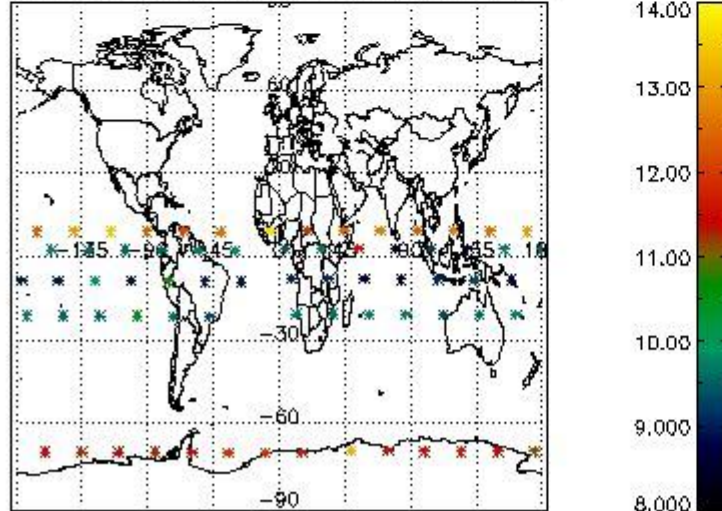
Percentage of flagged data per O3 profile



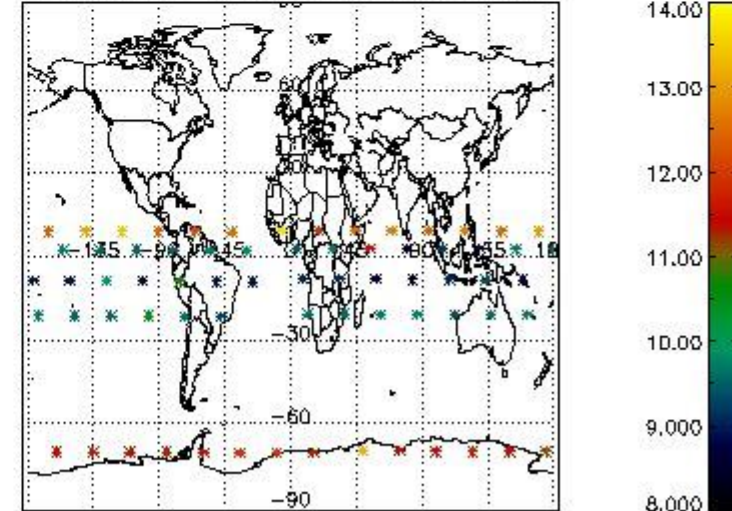
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

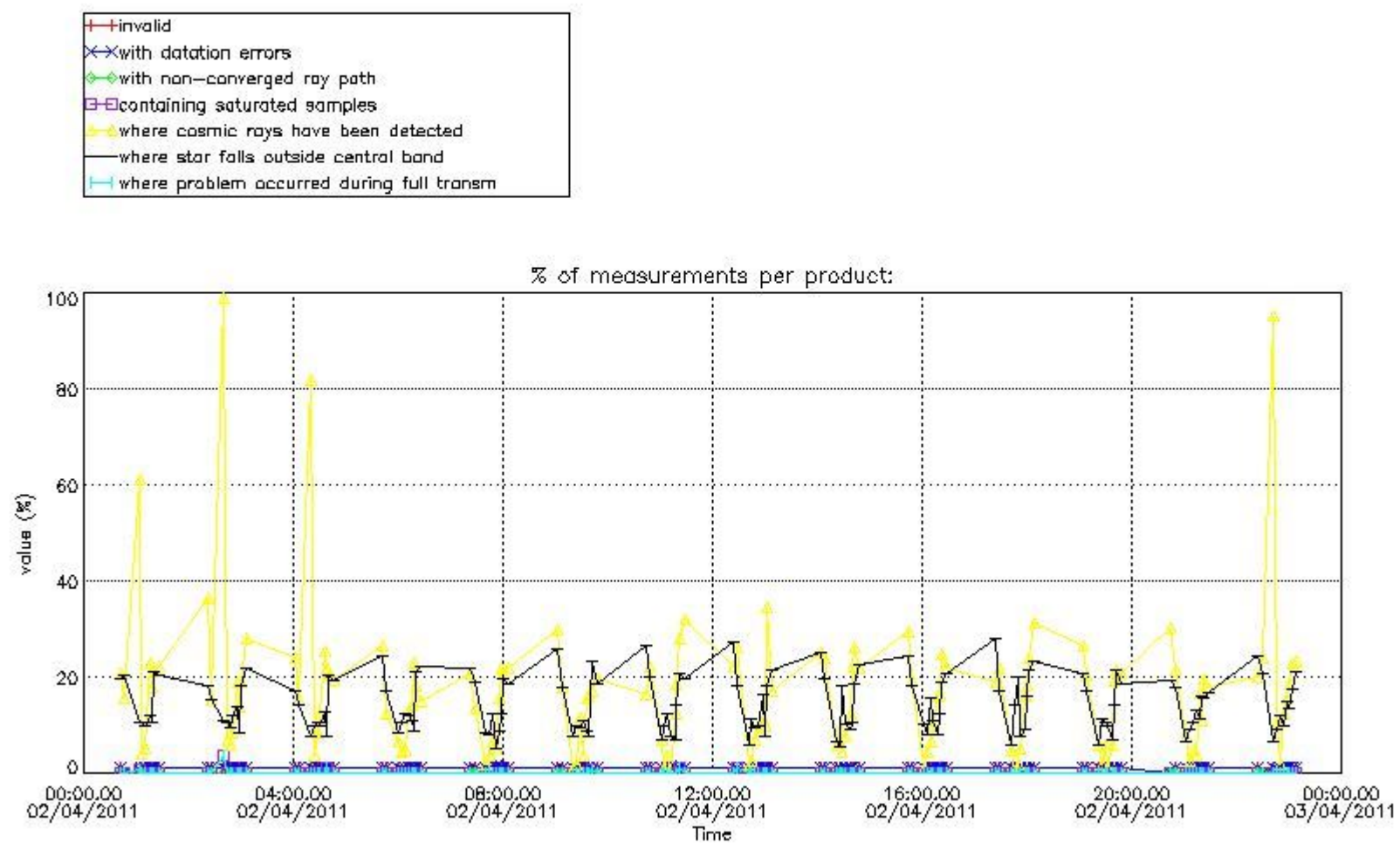


4. Level 1 quality information per product

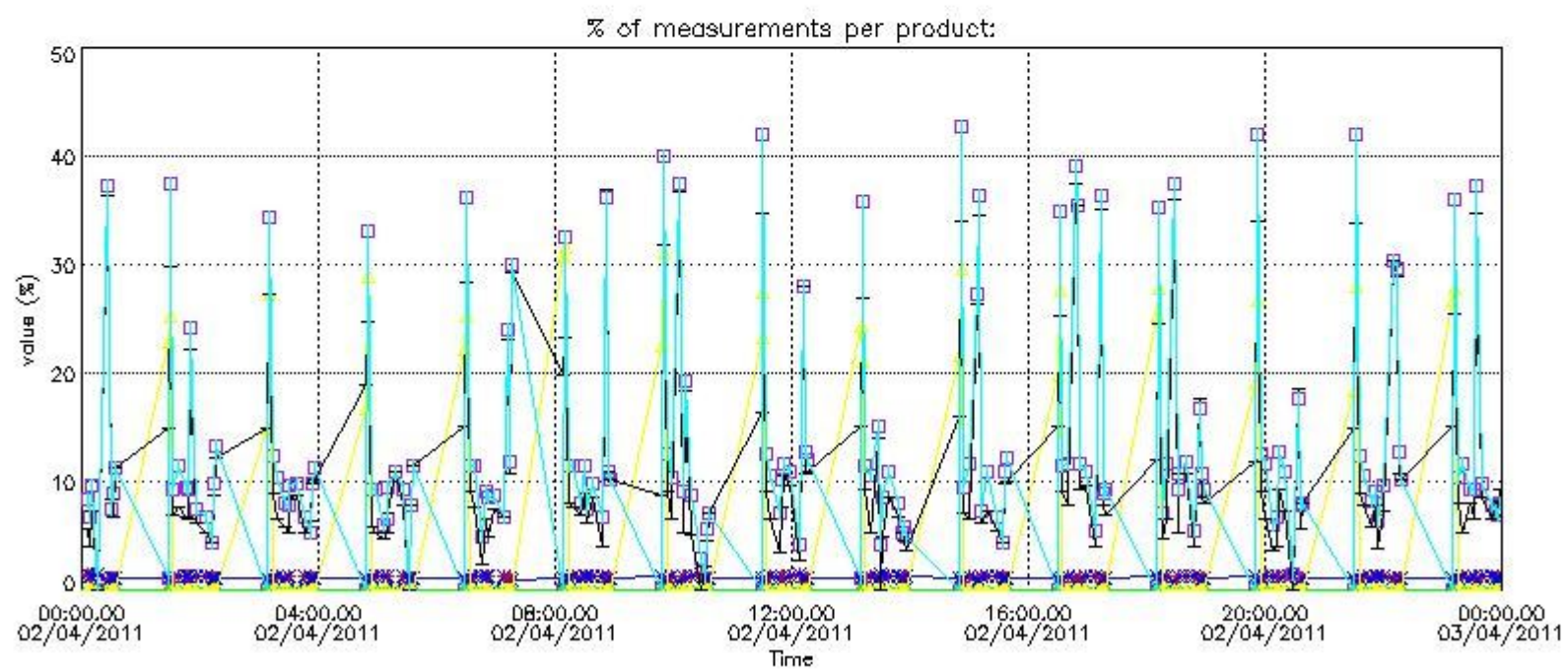
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

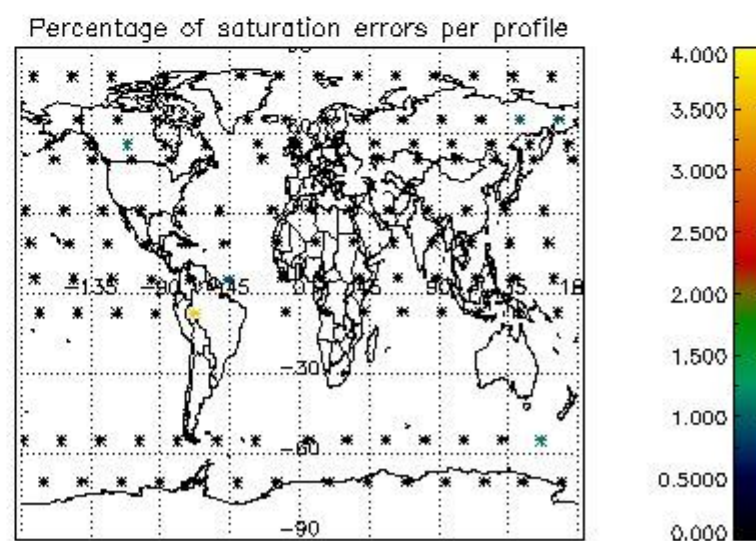
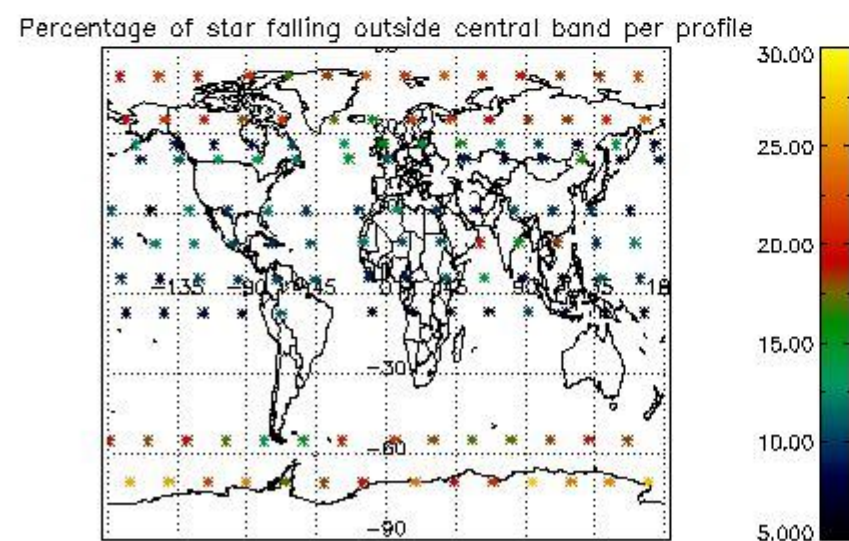
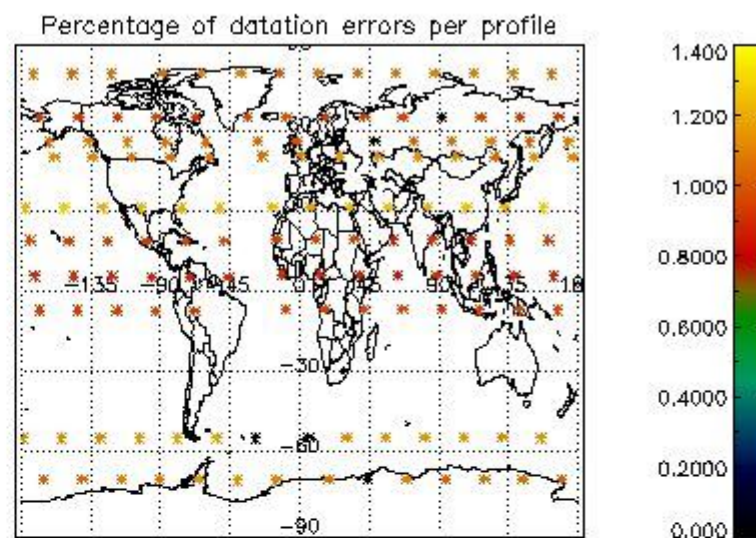
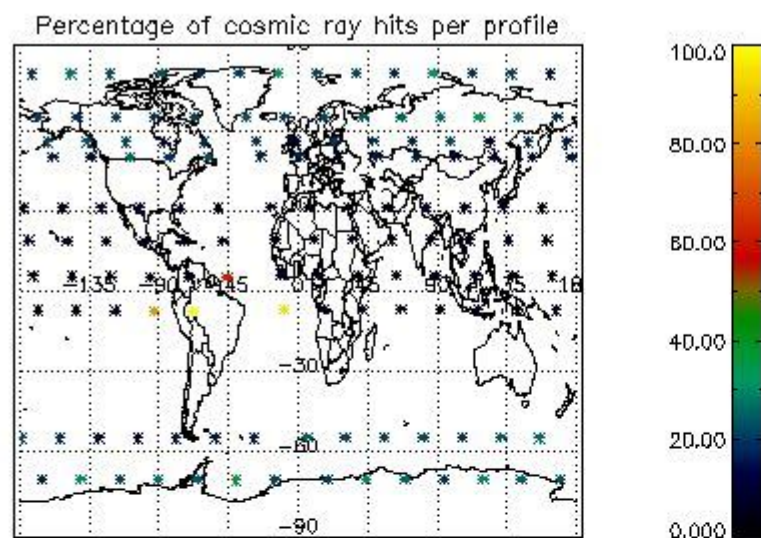


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

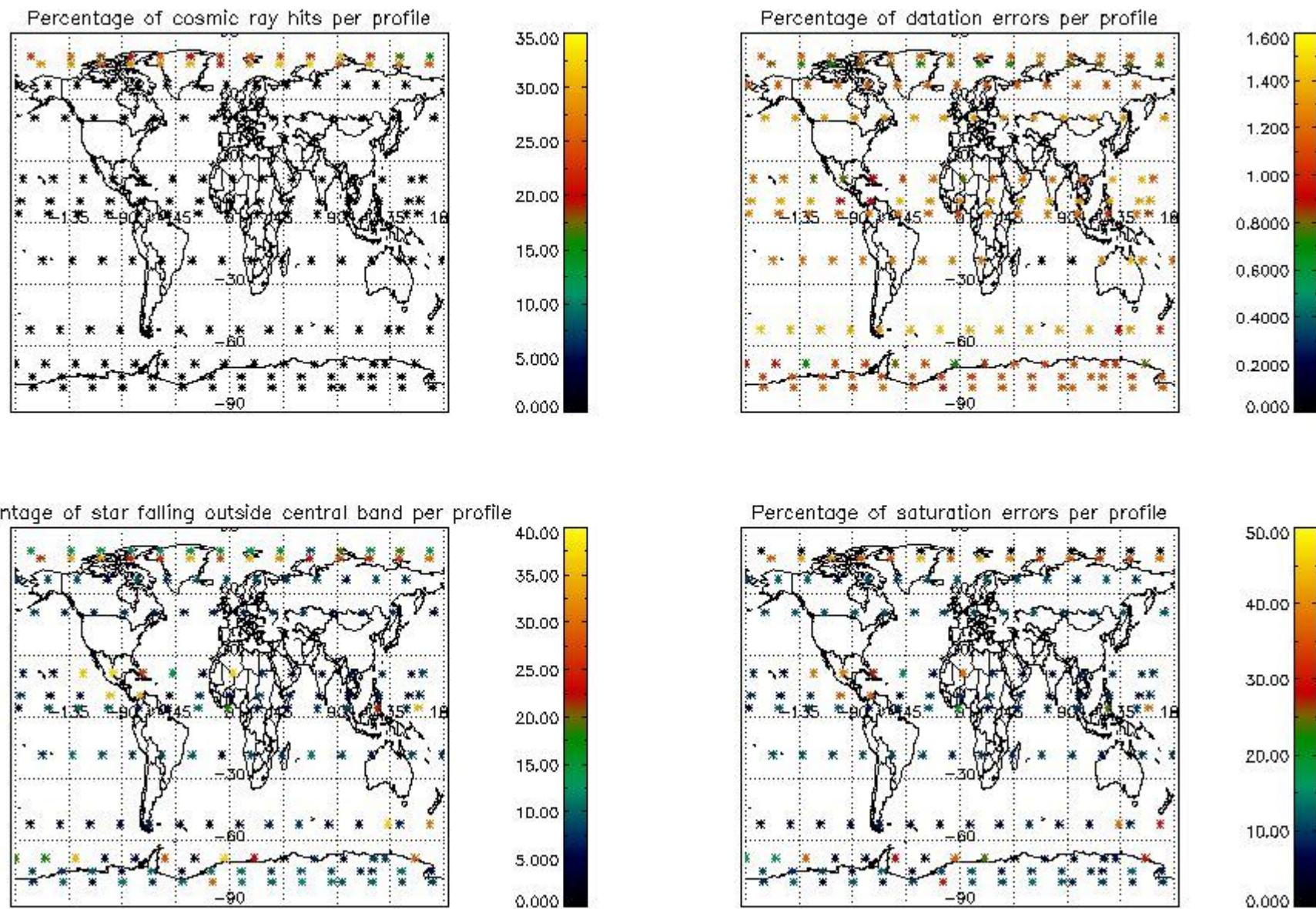


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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

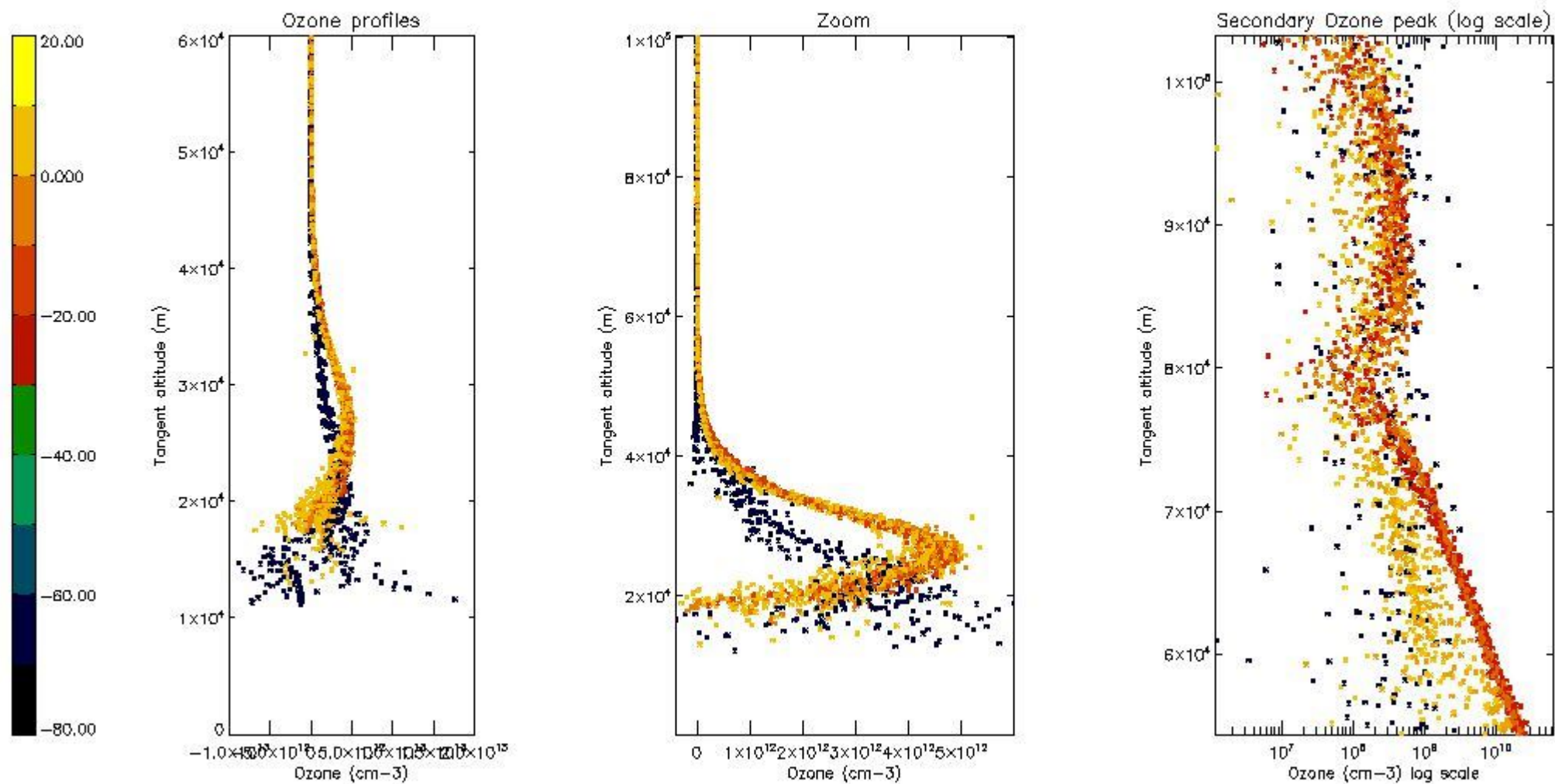
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

| Criteria | % of total production |
|----------|-----------------------|
| All STD | 24 |
| STD < 20 | 10 |

| | |
|----------|---|
| STD < 10 | 7 |
| STD < 5 | 3 |

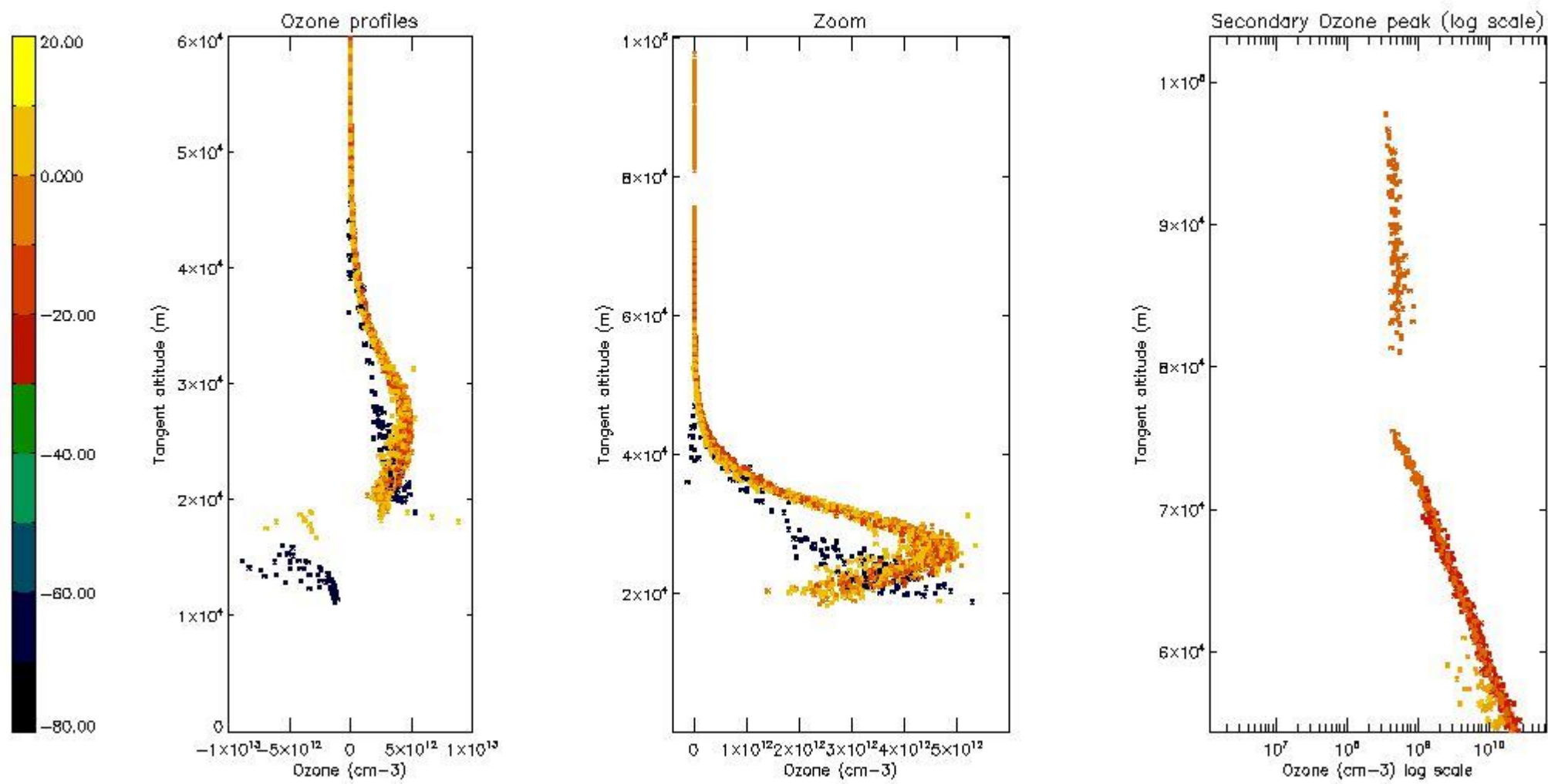
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



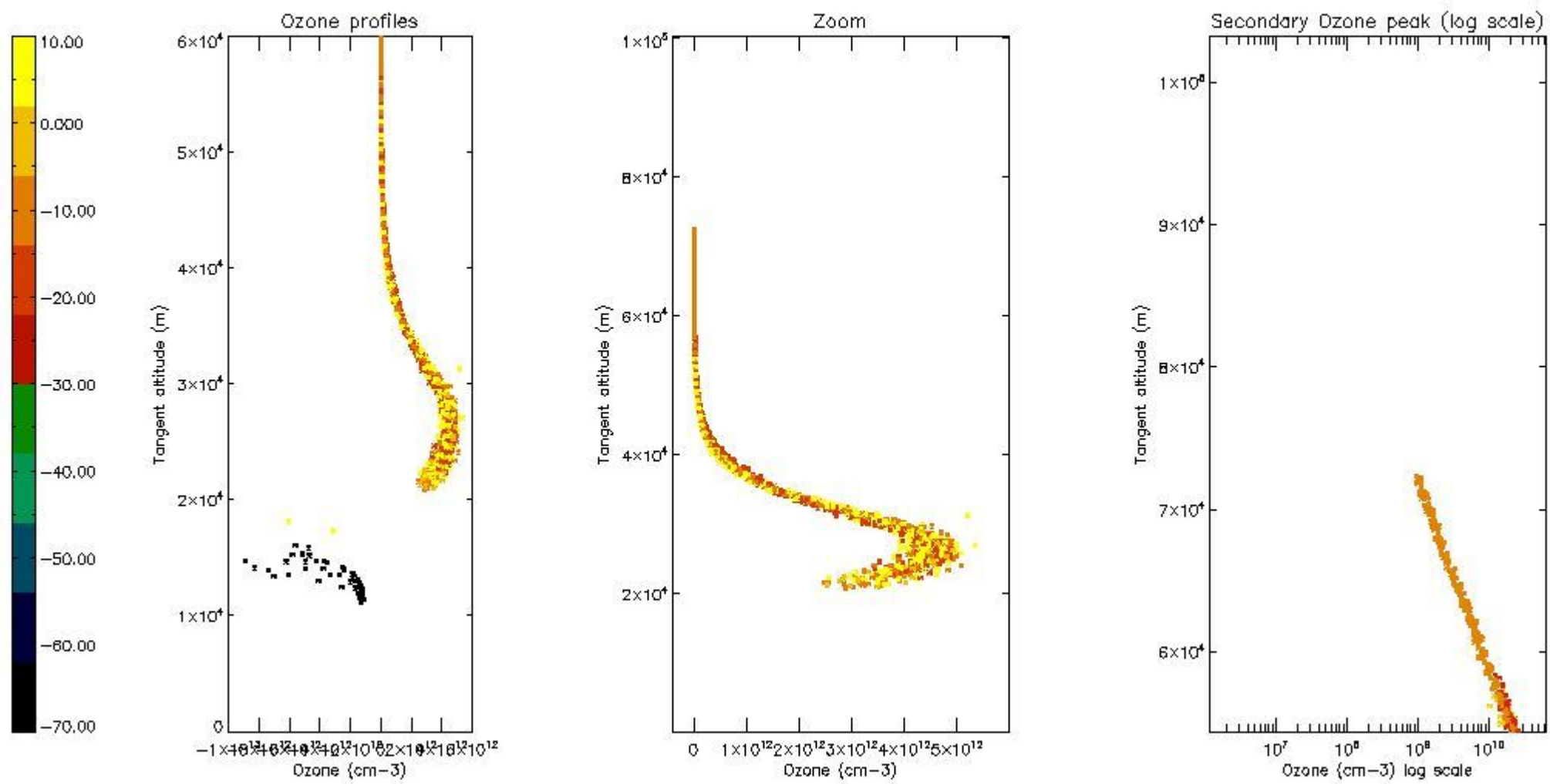
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



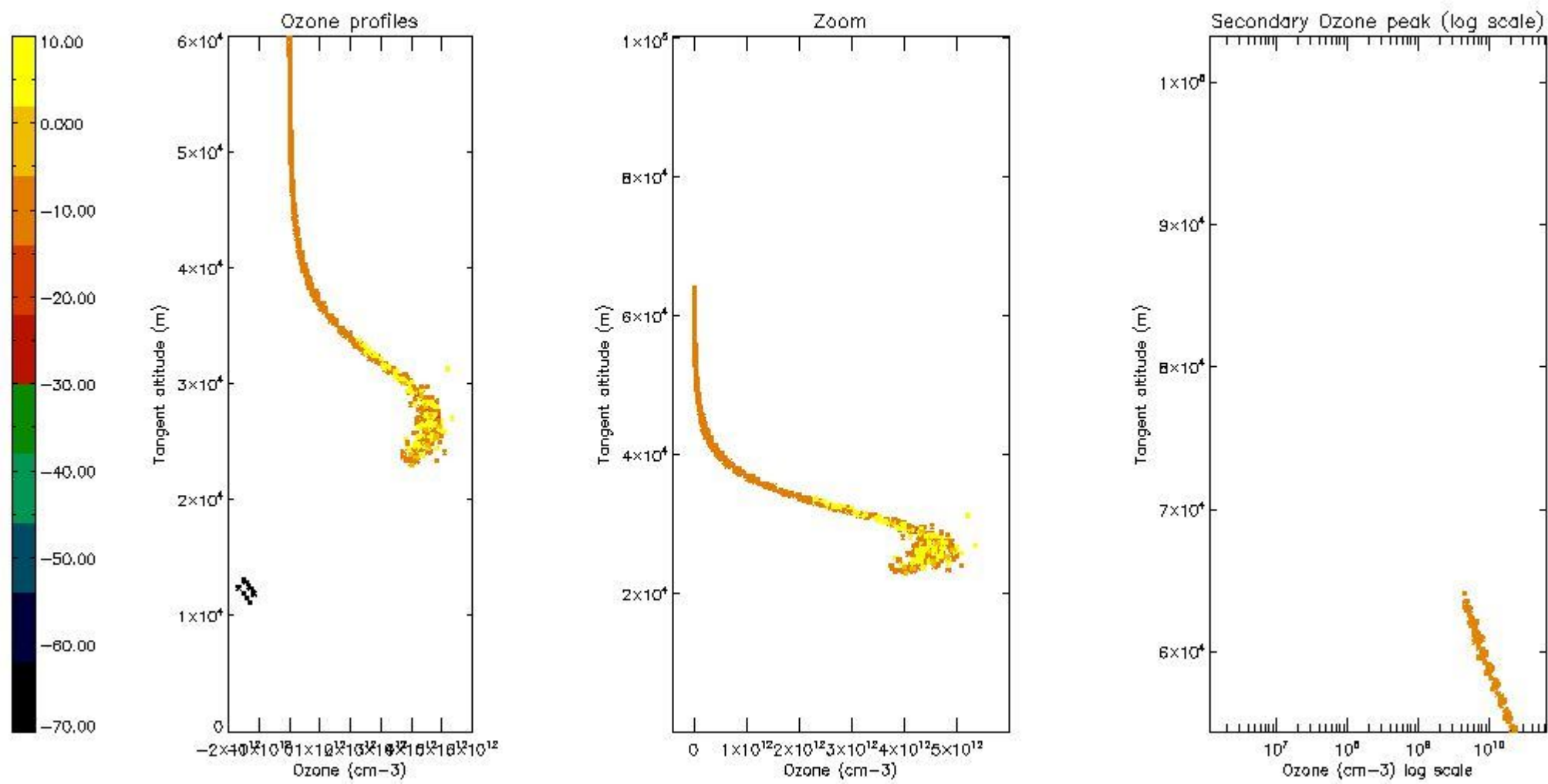
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



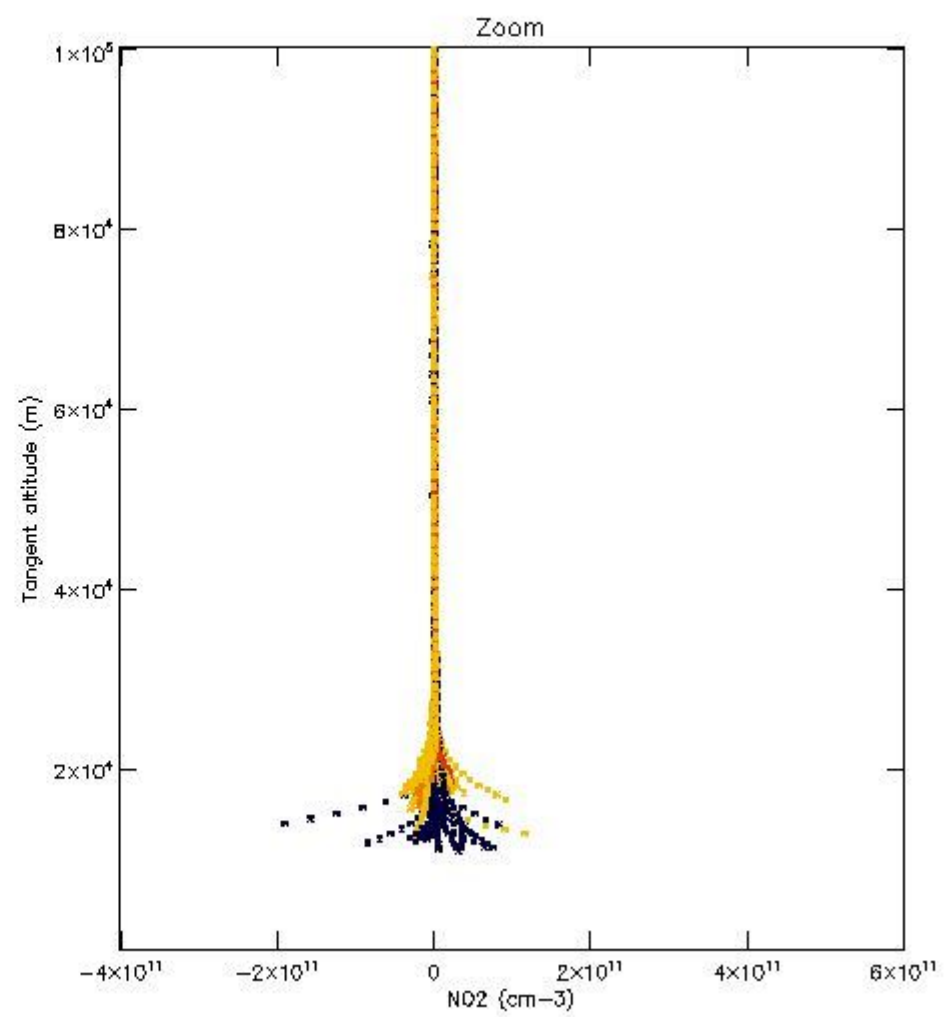
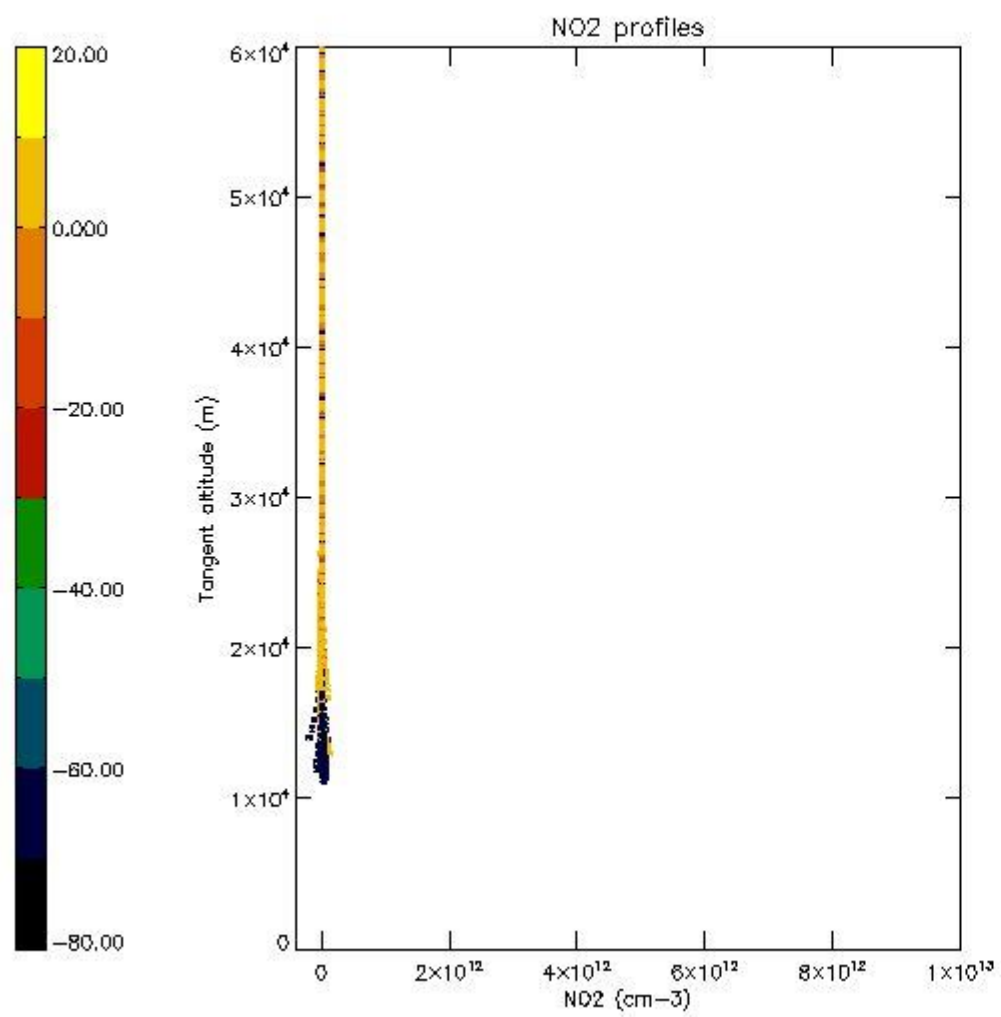
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



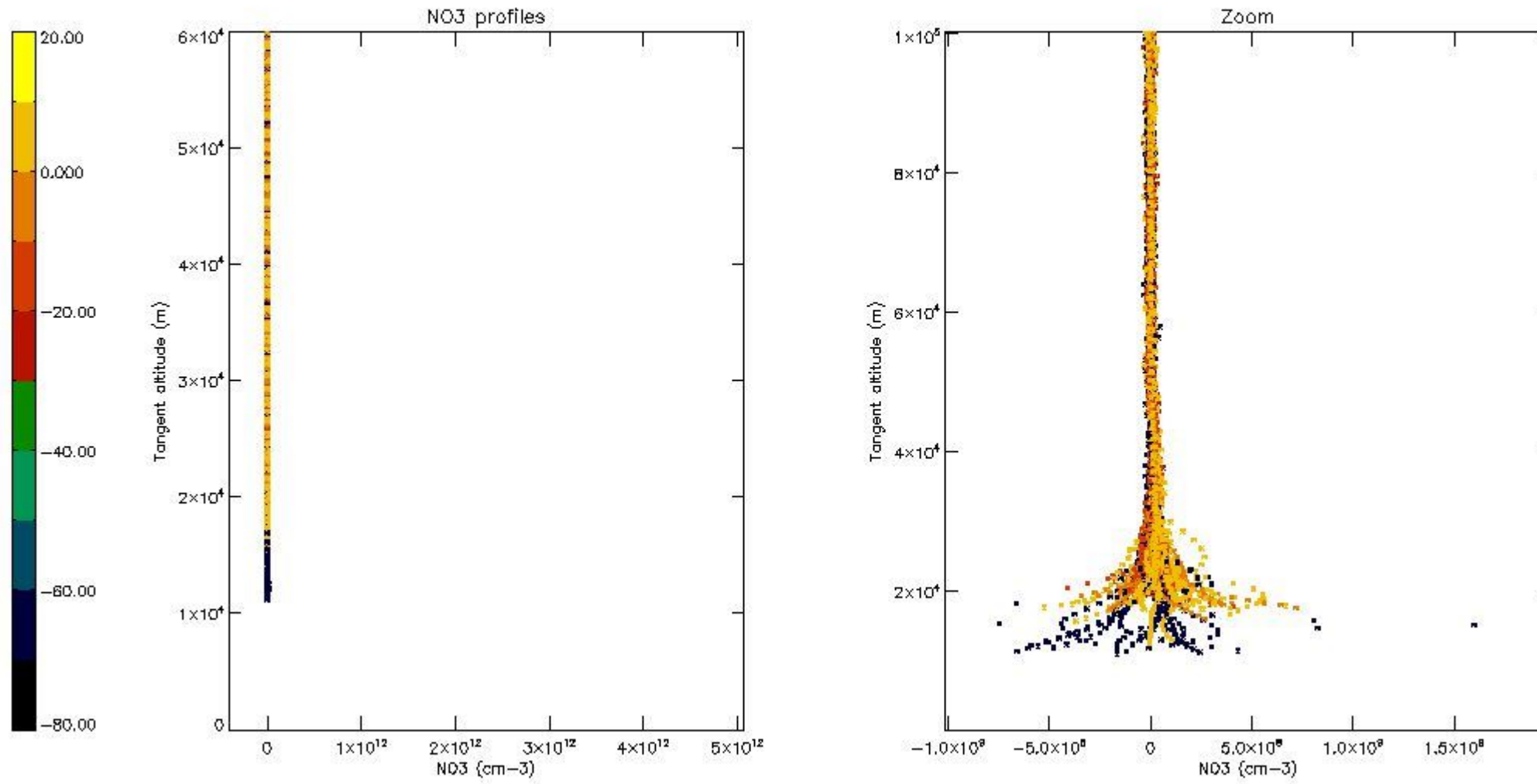
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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 | 02-APR-2011 00:05:35 |
| LEVEL-2_PROC_CONFIG | GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000 | 1 | 02-APR-2011 00:05:35 |
| CROSS_SECTIONS_FILE | GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000 | 1 | 02-APR-2011 00:05:35 |

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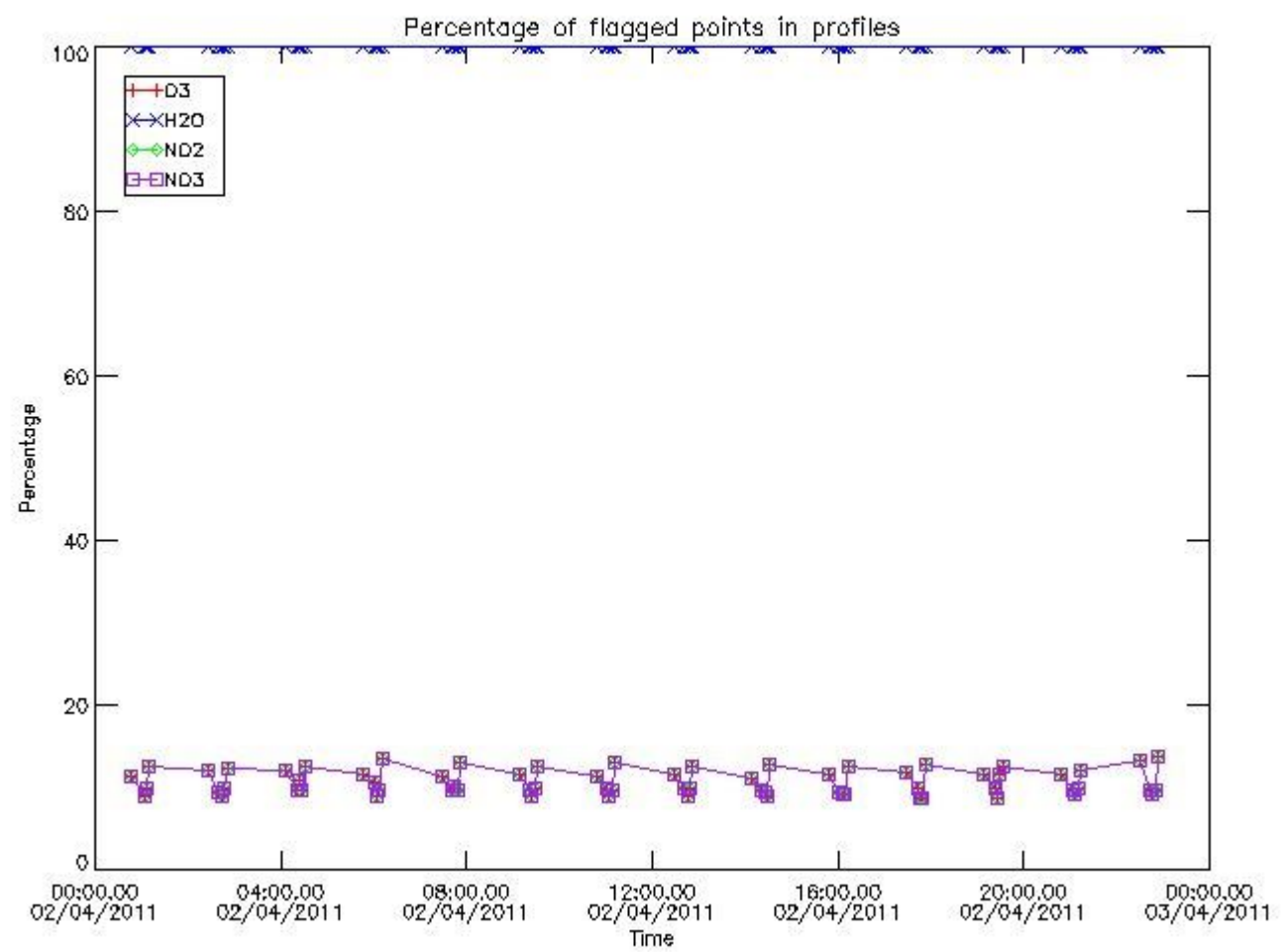
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| 293 | GOM_NL__2PRFIN20110402_221802_000000453101_00101_47529_8273.N1 | 02-APR-2011 22:18:02 | Bright | 44.500 | 92 | 53Eps Cyg | 2.5000 | 4500.0 | 89 | 47529 | No |
| 294 | GOM_NL__2PRFIN20110402_222440_000000483101_00101_47529_8274.N1 | 02-APR-2011 22:24:40 | Twilight_and_stray | 47.500 | 61 | 8Eps Peg | 2.1000 | 3900.0 | 95 | 47529 | No |
| 295 | GOM_NL__2PRFIN20110402_222918_000000463101_00101_47529_8275.N1 | 02-APR-2011 22:29:18 | Dark | 45.500 | 154 | 22Bet Aqr | 2.8990 | 5700.0 | 91 | 47529 | No |
| 296 | GOM_NL__2PRFIN20110402_224252_000000533101_00101_47529_8276.N1 | 02-APR-2011 22:42:52 | Dark | 52.500 | 103 | 38Zet Sgr | 2.6000 | 9700.0 | 105 | 47529 | No |
| 297 | GOM_NL__2PRFIN20110402_224626_000000563101_00102_47530_8255.N1 | 02-APR-2011 22:46:26 | Dark | 56.000 | 38 | 20Eps Sgr | 1.8360 | 11000. | 112 | 47530 | No |
| 298 | GOM_NL__2PRFIN20110402_225006_000000543101_00102_47530_8256.N1 | 02-APR-2011 22:50:06 | Dark | 53.500 | 40 | The Sco | 1.8590 | 7100.0 | 107 | 47530 | No |
| 299 | GOM_NL__2PRFIN20110402_225327_000000413101_00102_47530_8257.N1 | 02-APR-2011 22:53:27 | Dark | 40.500 | 134 | Bet TrA | 2.8100 | 6600.0 | 81 | 47530 | No |
| 300 | GOM_NL__2PRFIN20110402_225852_000000483101_00102_47530_8258.N1 | 02-APR-2011 22:58:52 | Straylight | 47.500 | 78 | Alp Lup | 2.3040 | 28000. | 95 | 47530 | No |
| 301 | GOM_NL__2PRFIN20110402_230028_000000493101_00102_47530_8259.N1 | 02-APR-2011 23:00:28 | Straylight | 48.500 | 81 | Eta Cen | 2.3560 | 28000. | 97 | 47530 | No |
| 302 | GOM_NL__2PRFIN20110402_230308_000000523101_00102_47530_8260.N1 | 02-APR-2011 23:03:08 | Straylight | 52.000 | 54 | 5The Cen | 2.0550 | 4500.0 | 104 | 47530 | No |
| 303 | GOM_NL__2PRFIN20110402_230857_000000483101_00102_47530_8261.N1 | 02-APR-2011 23:08:57 | Twilight_and_stray | 47.500 | 106 | 9Bet Crv | 2.6480 | 5600.0 | 95 | 47530 | No |
| 304 | GOM_NL__2PRFIN20110402_231053_000000433101_00102_47530_8262.N1 | 02-APR-2011 23:10:53 | Twilight_and_stray | 43.000 | 100 | 4Gam Crv | 2.5800 | 13100. | 86 | 47530 | No |
| 305 | GOM_NL__2PRFIN20110402_231236_000000613101_00102_47530_8263.N1 | 02-APR-2011 23:12:36 | Bright | 61.000 | 15 | 67Alp Vir | 0.97600 | 28000. | 122 | 47530 | No |
| 306 | GOM_NL__2PRFIN20110402_231548_000000443101_00102_47530_8264.N1 | 02-APR-2011 23:15:48 | Bright | 43.500 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 87 | 47530 | No |
| 307 | GOM_NL__2PRFIN20110402_232025_000000393101_00102_47530_8265.N1 | 02-APR-2011 23:20:25 | Bright | 38.500 | 62 | 94Bet Leo | 2.1360 | 9700.0 | 77 | 47530 | No |
| 308 | GOM_NL__2PRFIN20110402_232844_000000443101_00102_47530_8266.N1 | 02-APR-2011 23:28:44 | Bright | 43.500 | 152 | 12Alp2CVn | 2.8900 | 11000. | 87 | 47530 | No |
| 309 | GOM_NL__2PRFIN20110402_233146_000000383101_00102_47530_8267.N1 | 02-APR-2011 23:31:46 | Bright | 38.000 | 87 | 64Gam UMa | 2.4330 | 11000. | 76 | 47530 | No |
| 310 | GOM_NL__2PRFIN20110402_233329_000000593101_00102_47530_8268.N1 | 02-APR-2011 23:33:29 | Bright | 59.000 | 32 | 77Eps UMa | 1.7630 | 11000. | 118 | 47530 | No |
| 311 | GOM_NL__2PRFIN20110402_233949_000000413101_00102_47530_8269.N1 | 02-APR-2011 23:39:49 | Bright | 41.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 82 | 47530 | No |
| 312 | GOM_NL__2PRFIN20110402_234921_000000383101_00102_47530_8270.N1 | 02-APR-2011 23:49:21 | Bright | 38.000 | 89 | 5Alp Cep | 2.4510 | 8000.0 | 76 | 47530 | No |
| 313 | GOM_NL__2PRFIN20110402_235412_000000493101_00102_47530_8271.N1 | 02-APR-2011 23:54:12 | Bright | 48.500 | 144 | 18Del Cyg | 2.8600 | 11000. | 97 | 47530 | No |
| 314 | GOM_NL__2PRFIN20110402_235611_000000443101_00102_47530_8272.N1 | 02-APR-2011 23:56:11 | Bright | 44.000 | 66 | 37Gam Cyg | 2.2080 | 5900.0 | 88 | 47530 | No |
| 315 | GOM_NL__2PRFIN20110402_235816_000000443101_00102_47530_8273.N1 | 02-APR-2011 23:58:16 | Bright | 43.500 | 92 | 53Eps Cyg | 2.5000 | 4500.0 | 87 | 47530 | No |

3. Quality information per product

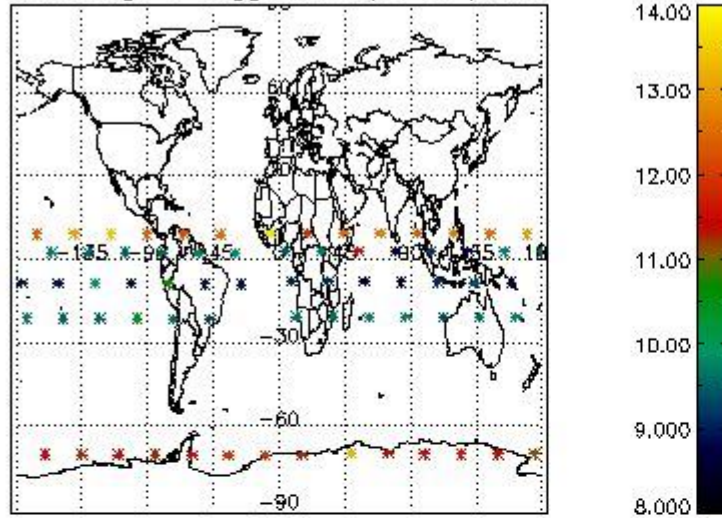
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

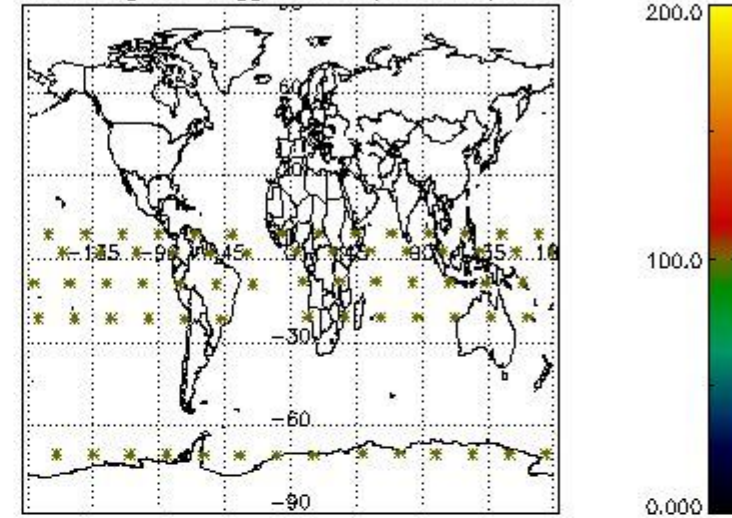


3.2 Plot quality information per product (world map)

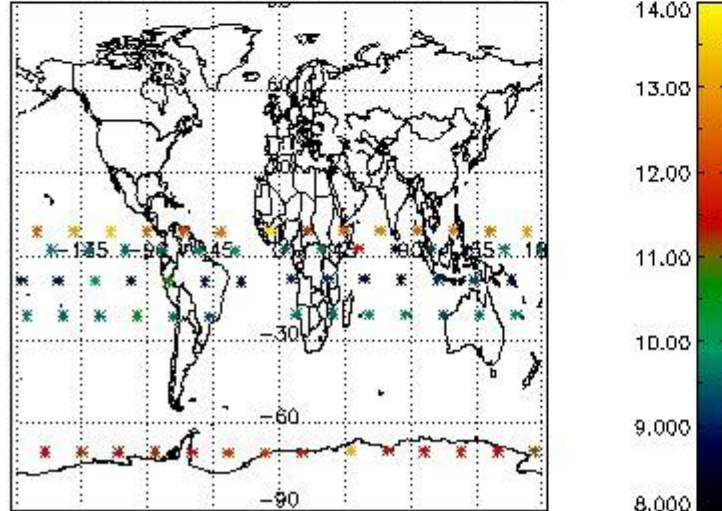
Percentage of flagged data per O3 profile



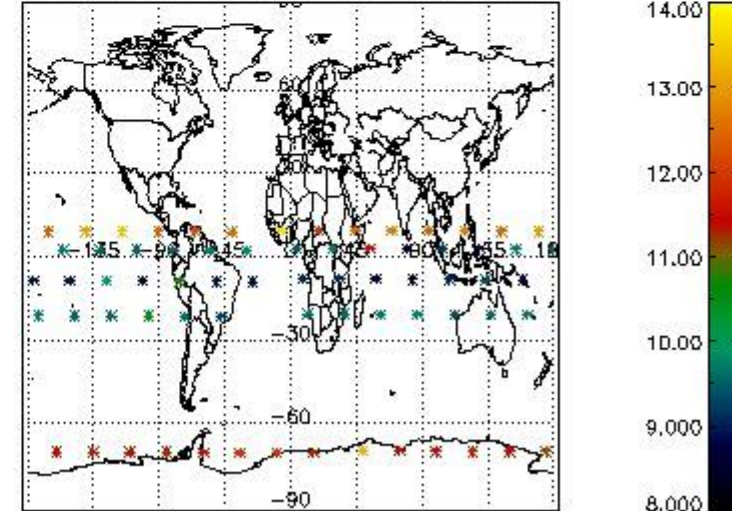
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

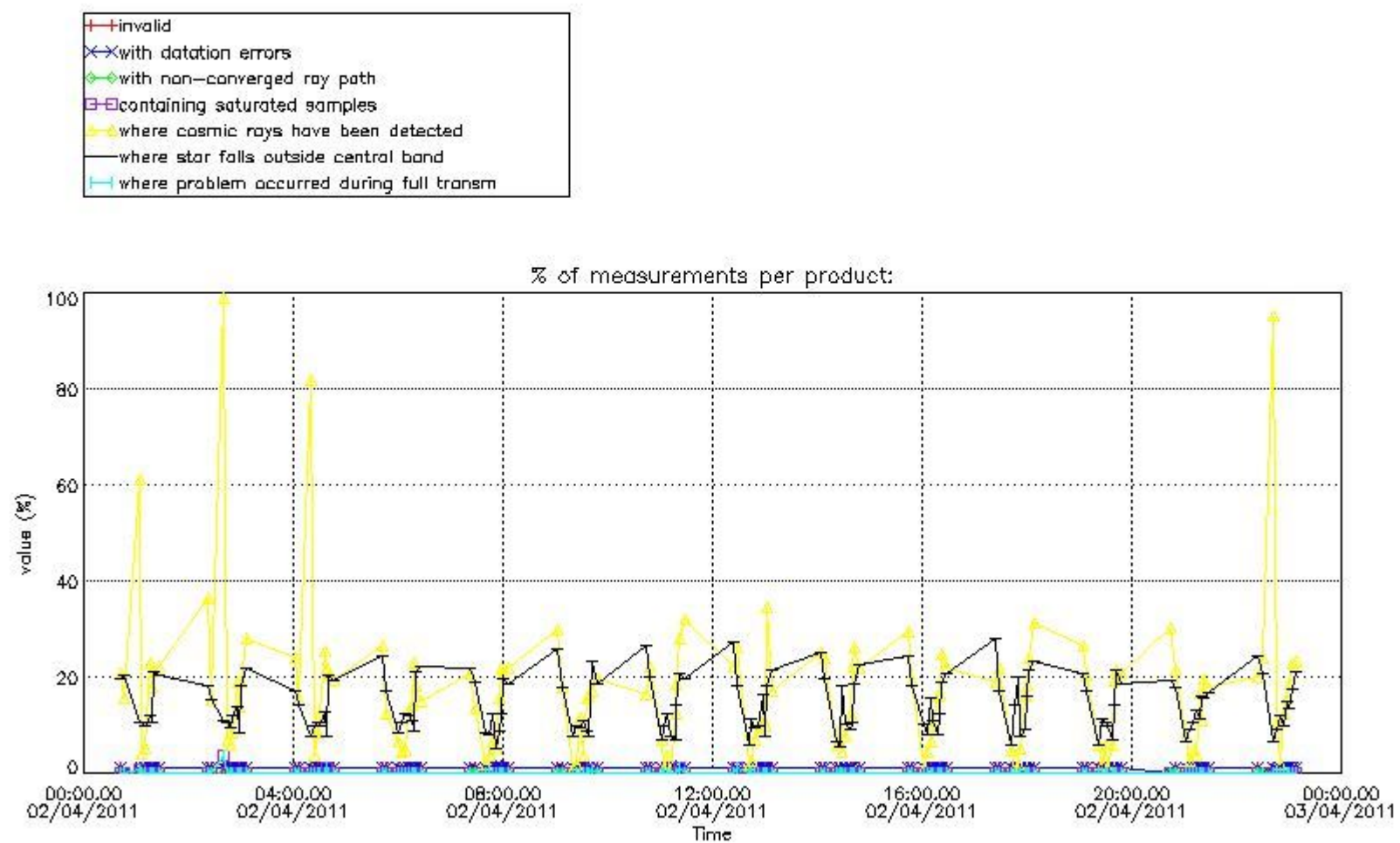


4. Level 1 quality information per product

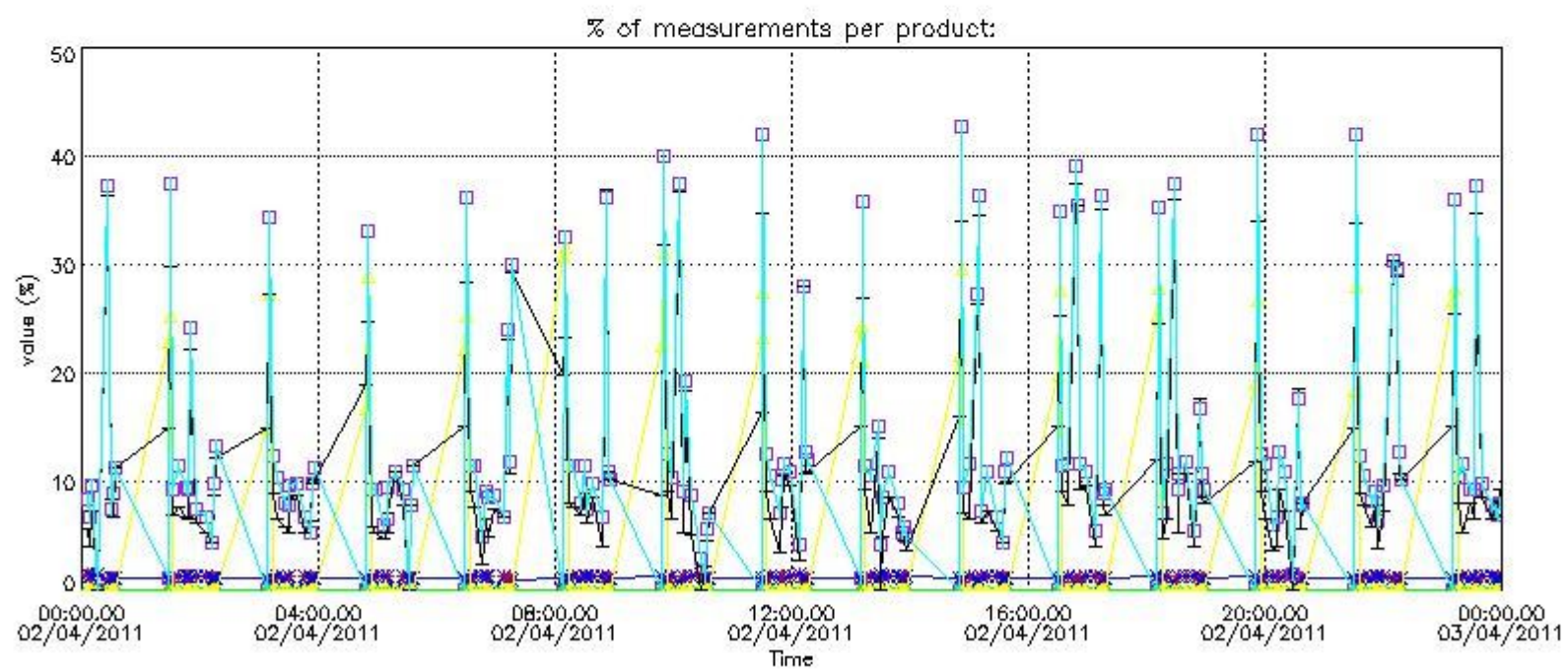
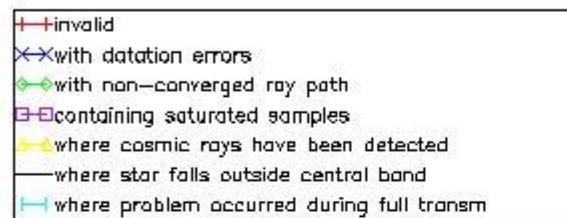
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

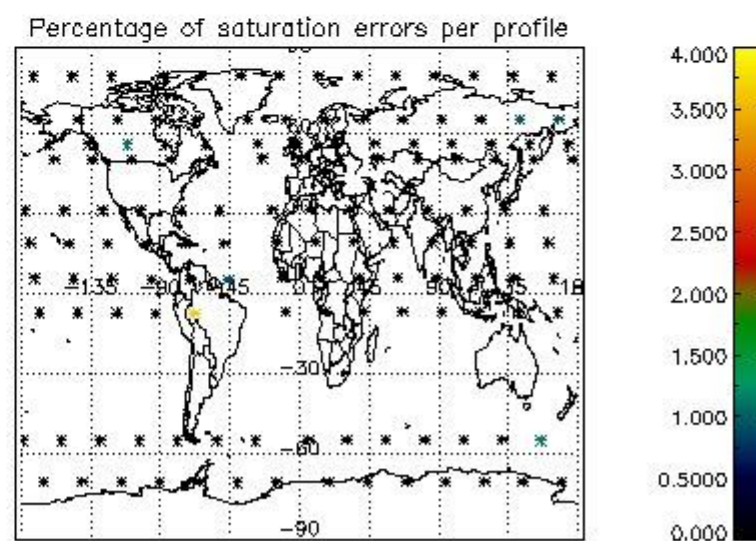
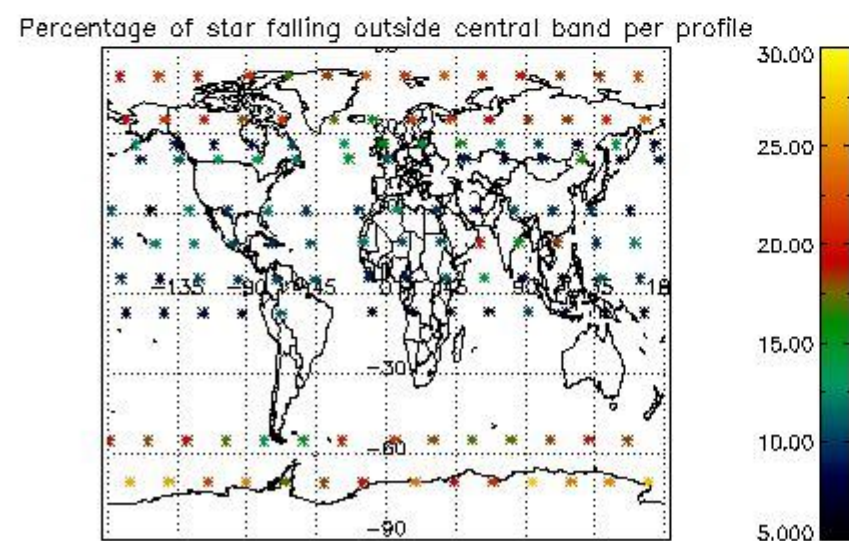
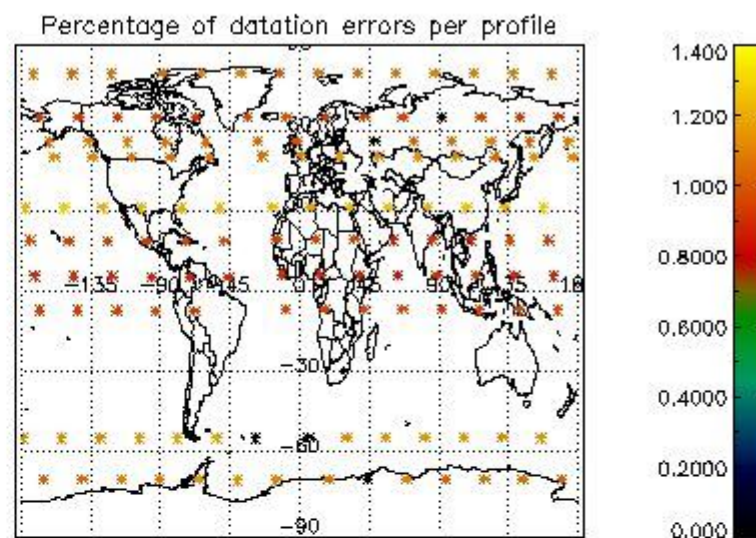
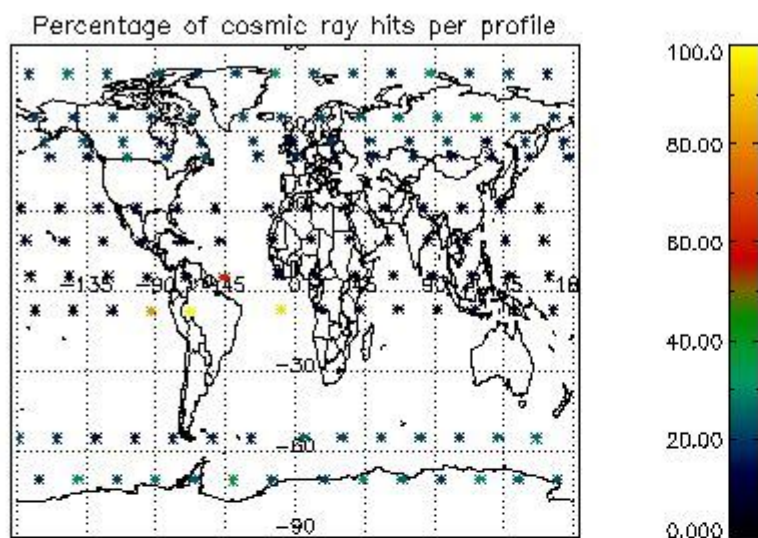


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

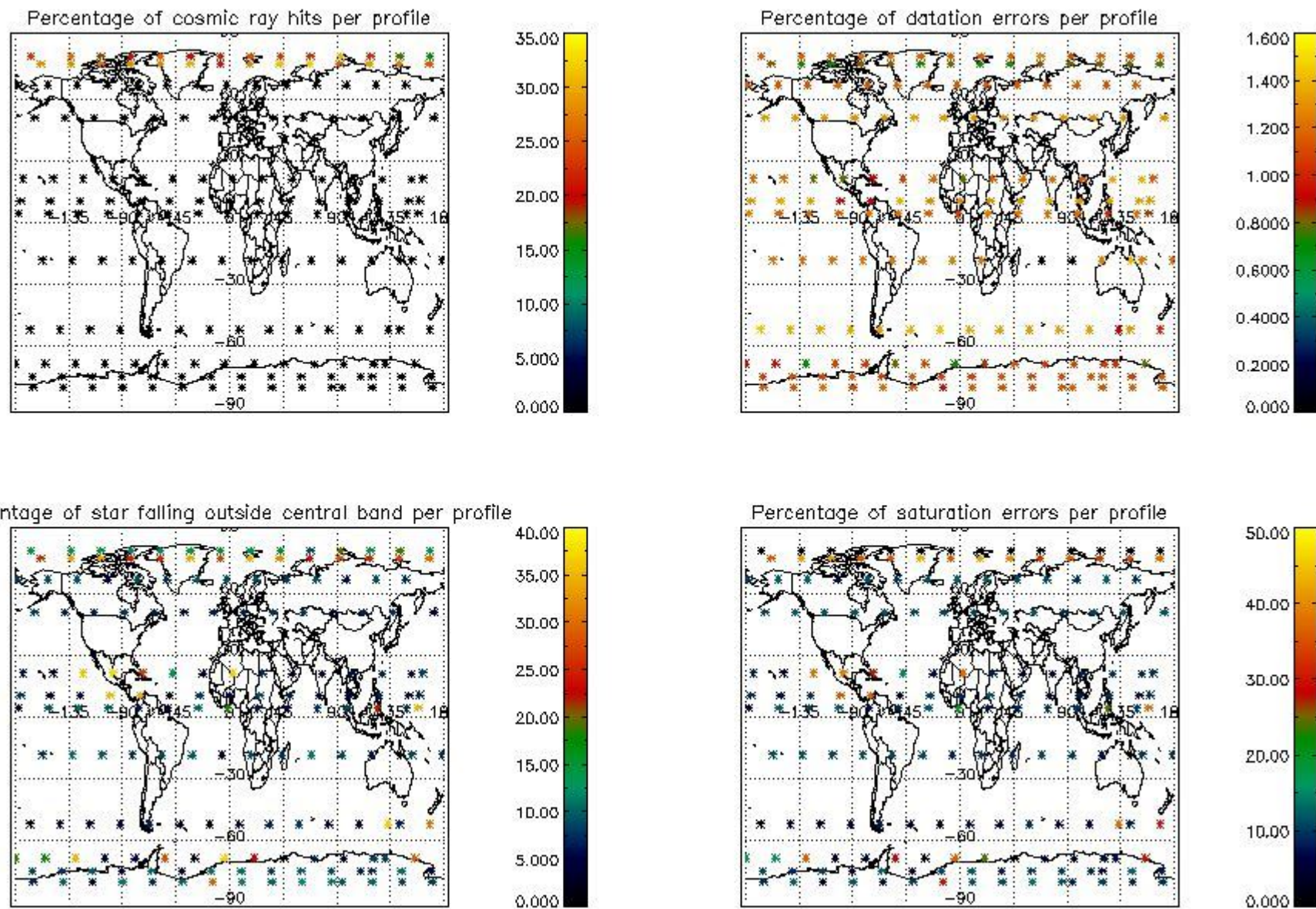


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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

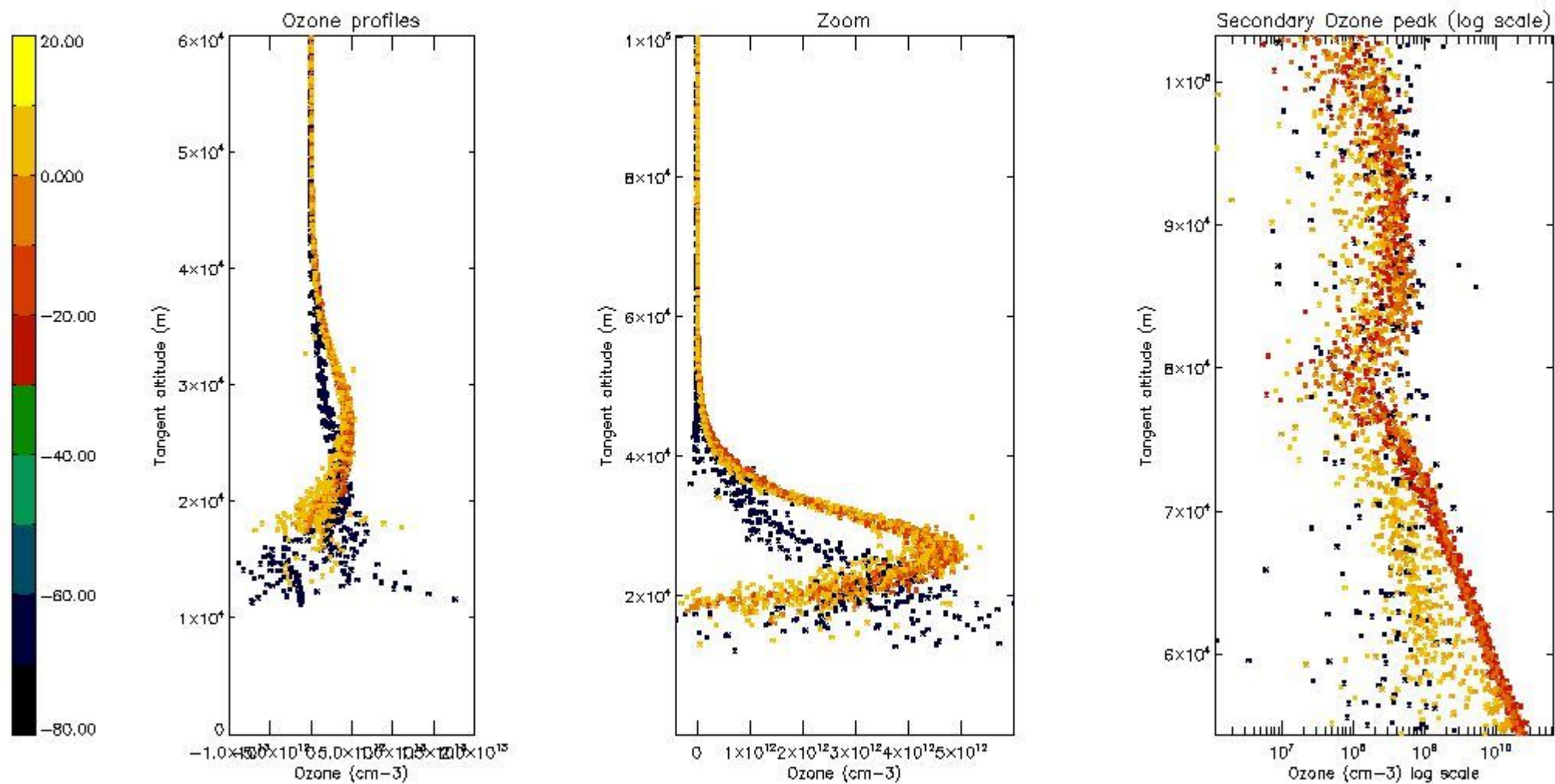
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

| Criteria | % of total production |
|----------|-----------------------|
| All STD | 24 |
| STD < 20 | 10 |

| | |
|----------|---|
| STD < 10 | 7 |
| STD < 5 | 3 |

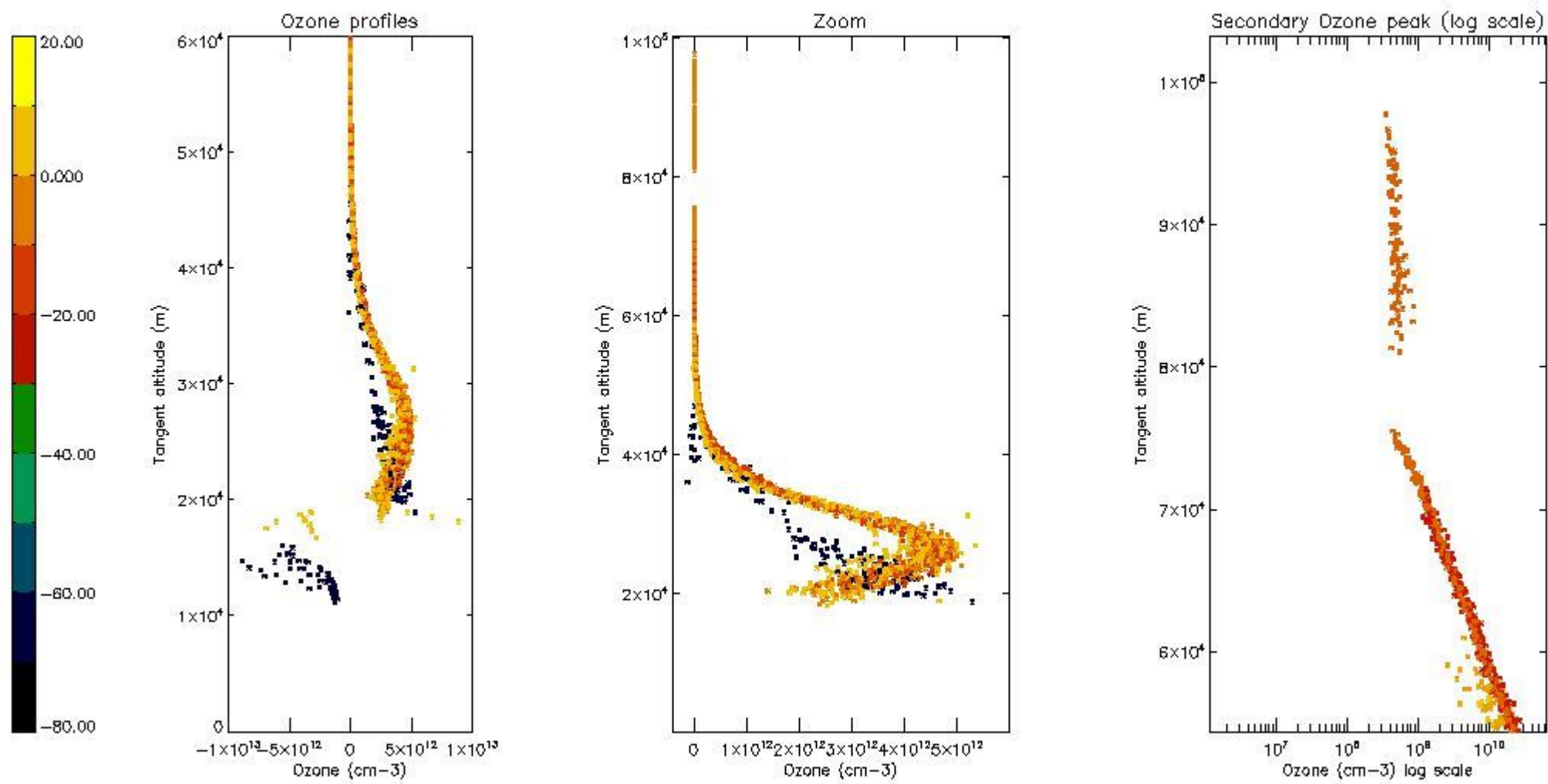
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



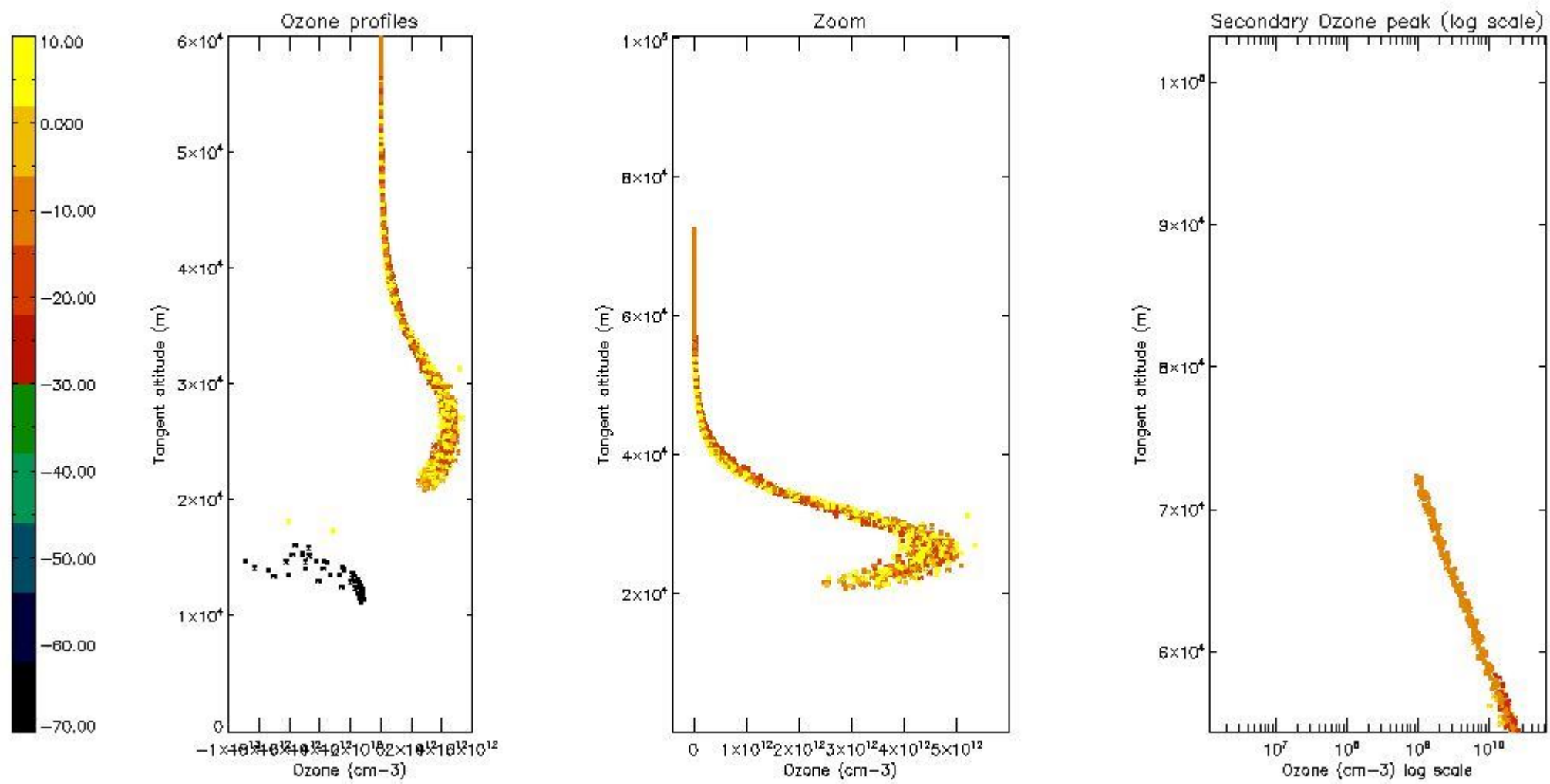
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



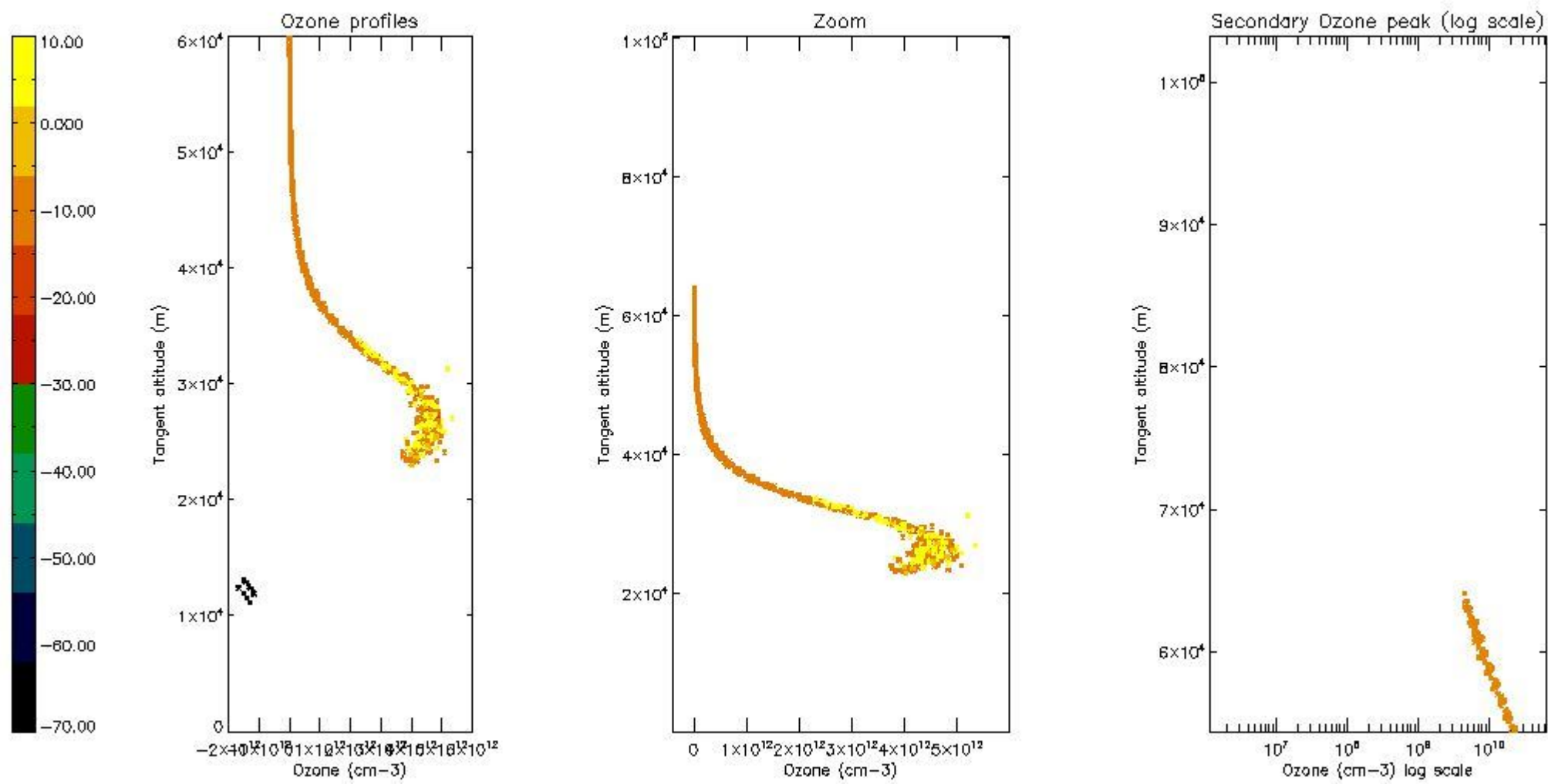
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



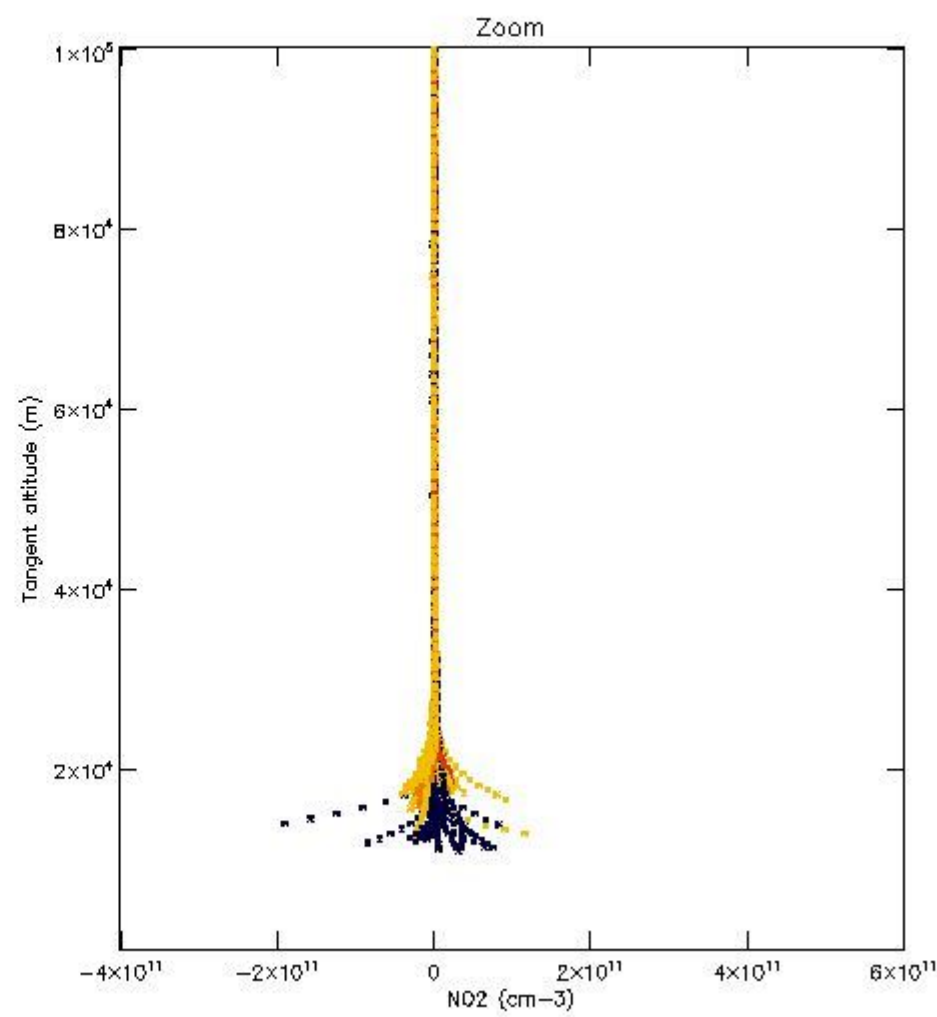
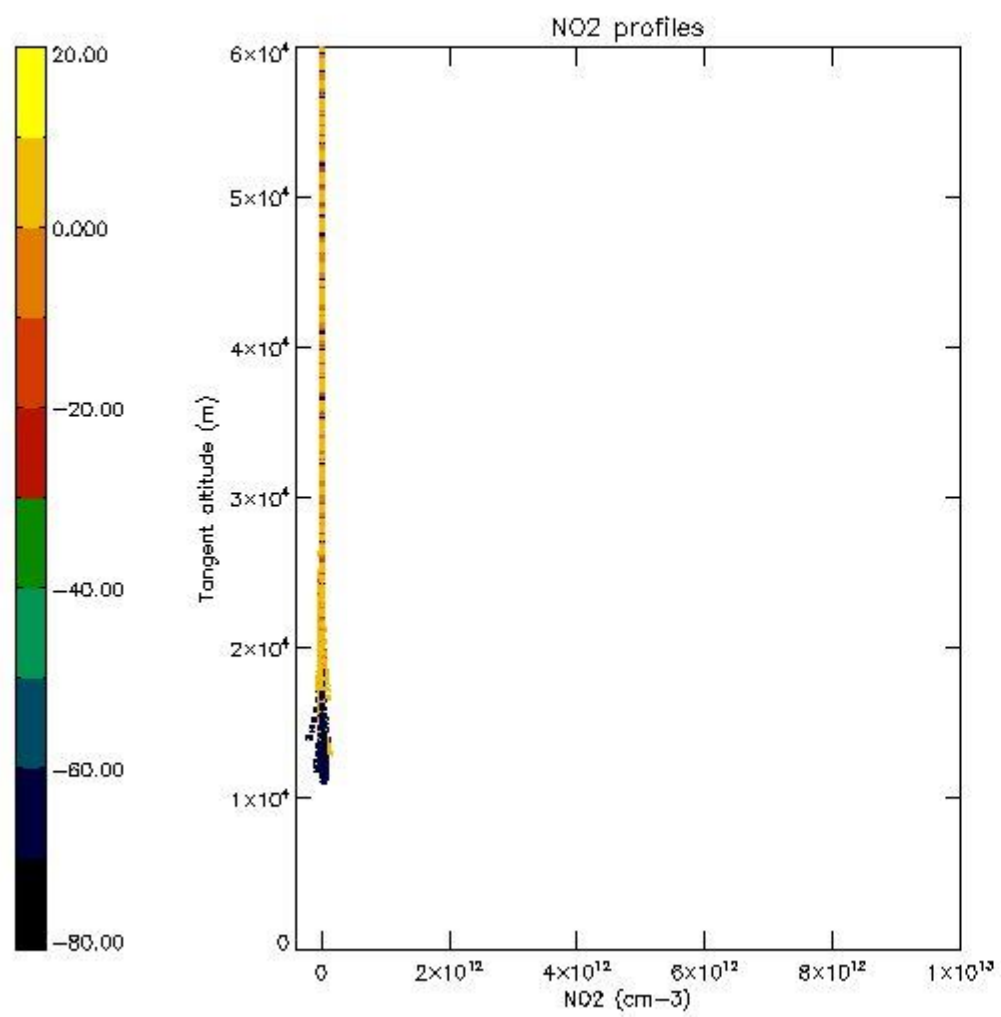
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



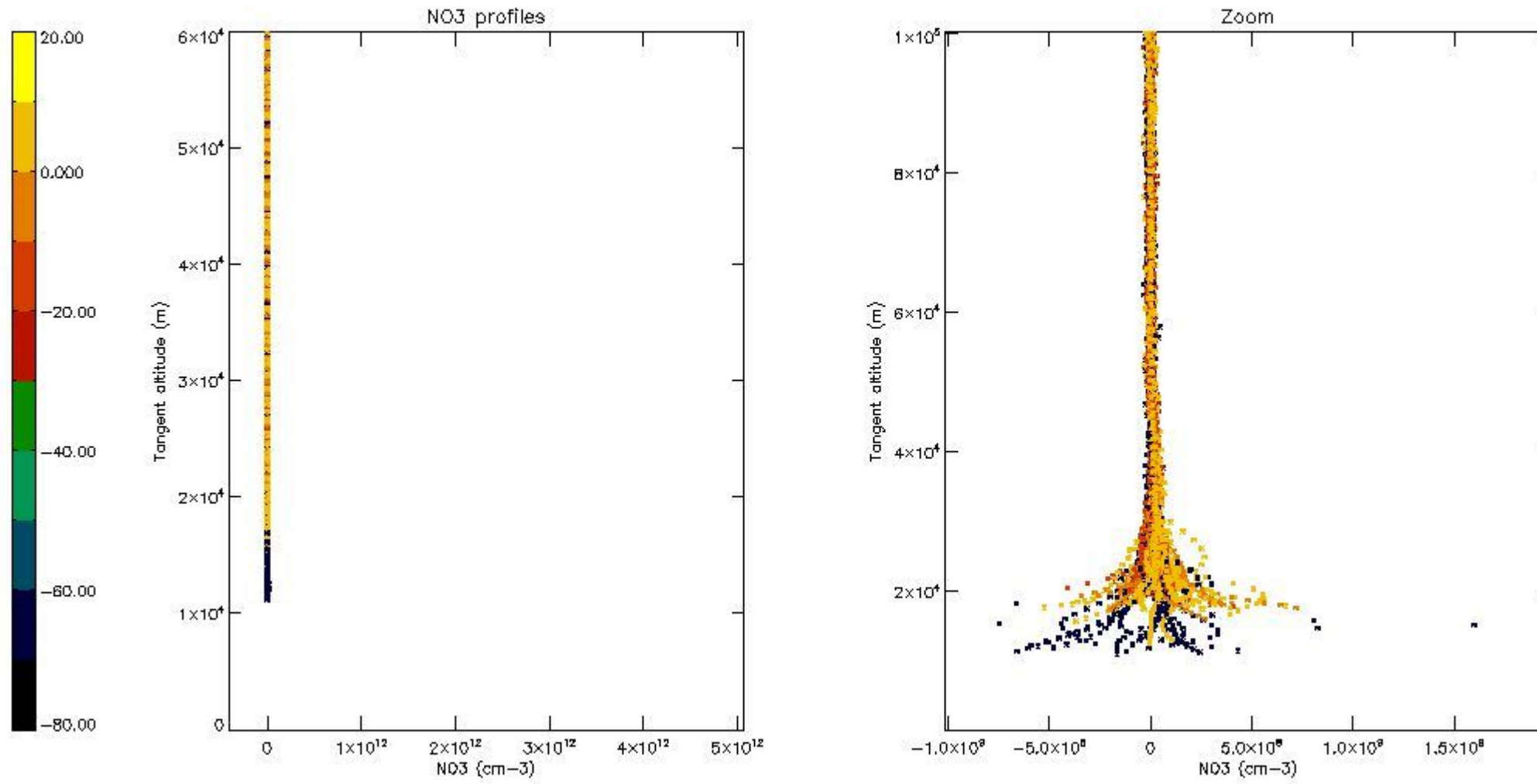
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

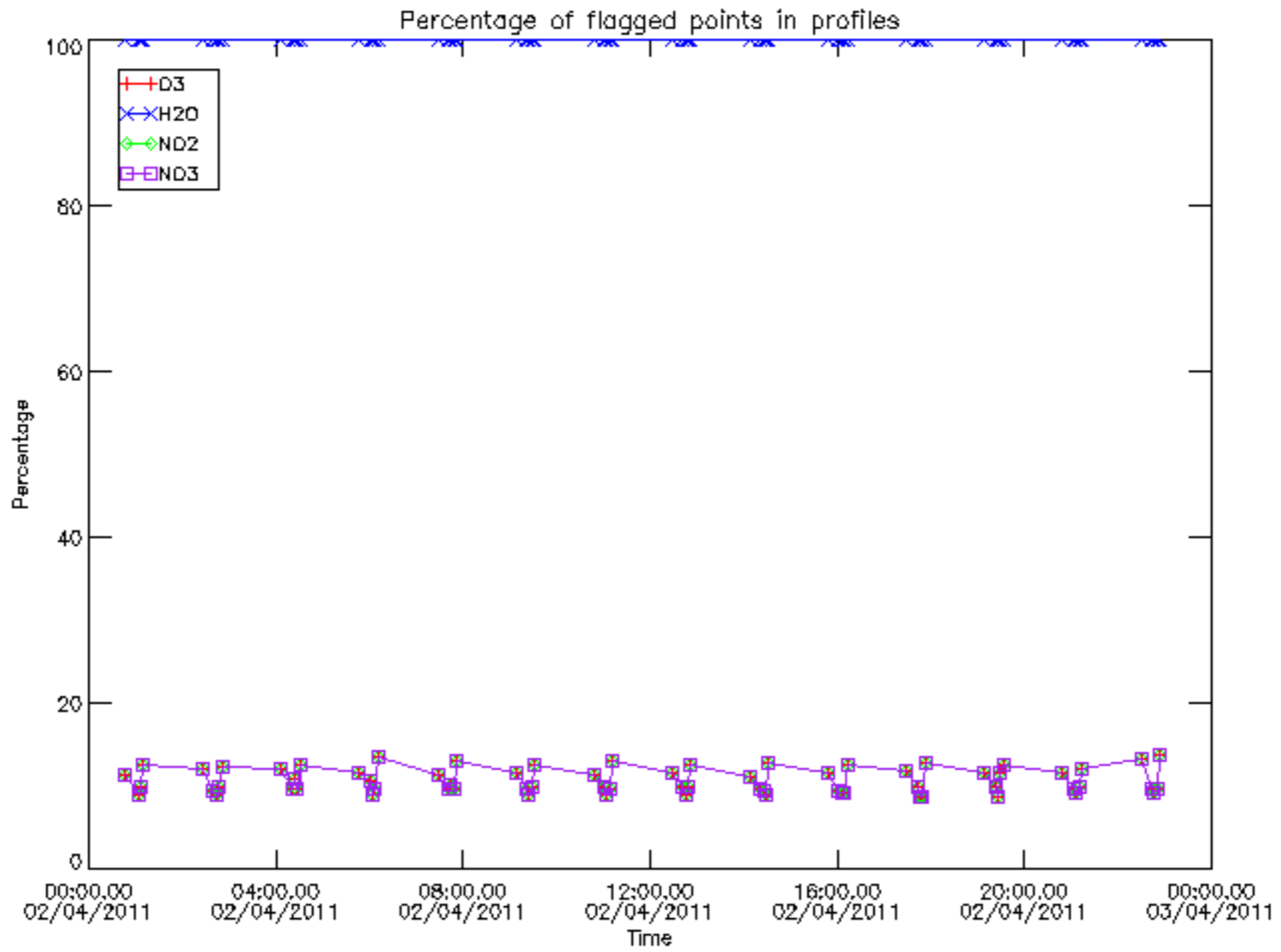
The colorbar represents the latitude.



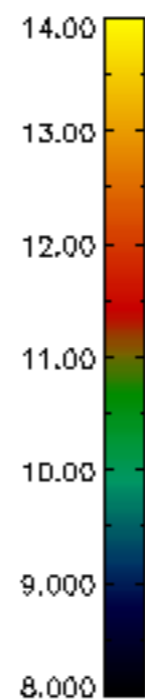
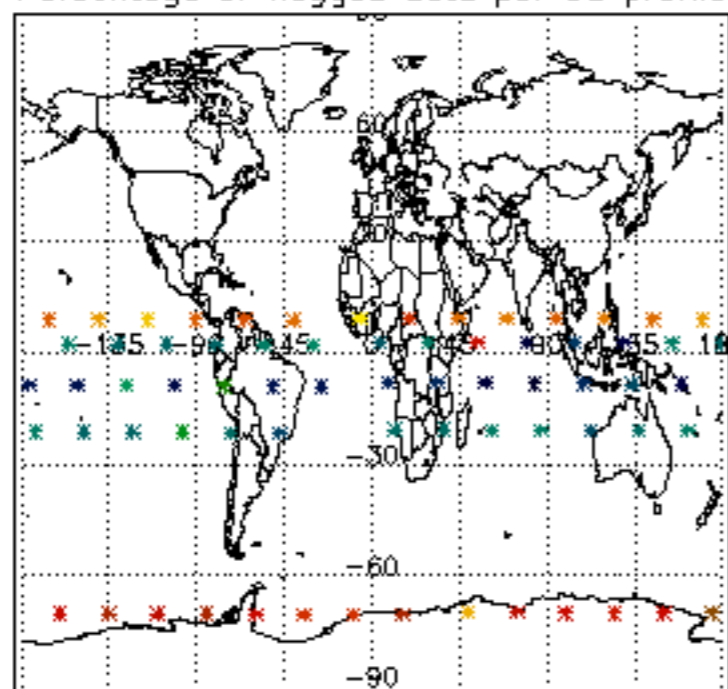
6. Auxiliary Data Files used for the production reported in section 2

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.

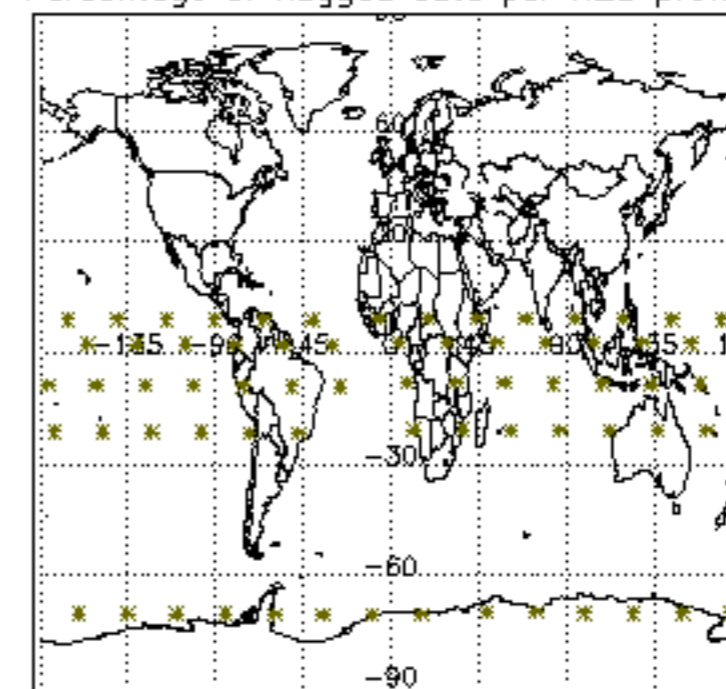
| Type | Auxiliary Filename | Used since product | Used since product date |
|---------------------------|---|--------------------|-------------------------|
| INST_PHYS_CHARACTERISTICS | GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000 | 1 | 02-APR-2011 00:05:35 |
| LEVEL-2_PROC_CONFIG | GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000 | 1 | 02-APR-2011 00:05:35 |
| CROSS_SECTIONS_FILE | GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000 | 1 | 02-APR-2011 00:05:35 |



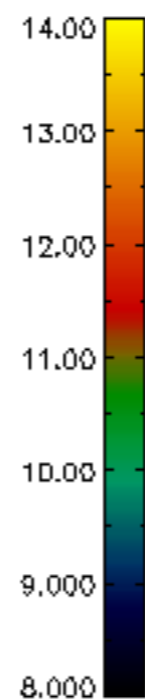
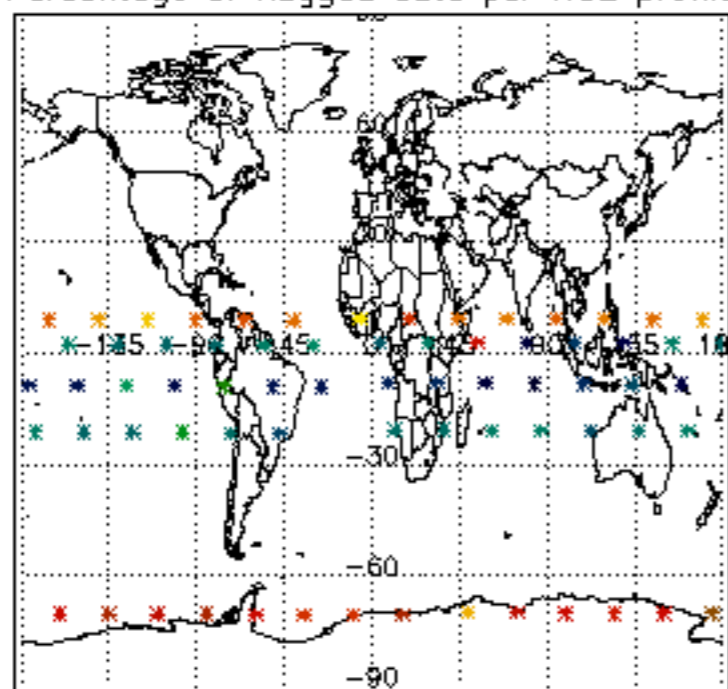
Percentage of flagged data per D3 profile



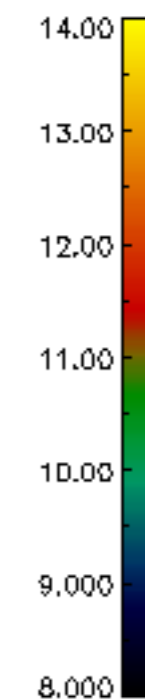
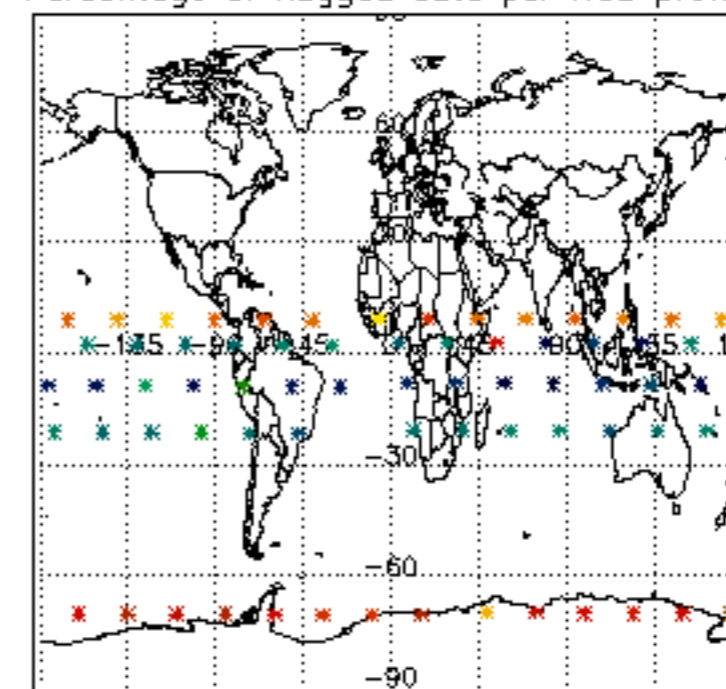
Percentage of flagged data per H2O profile

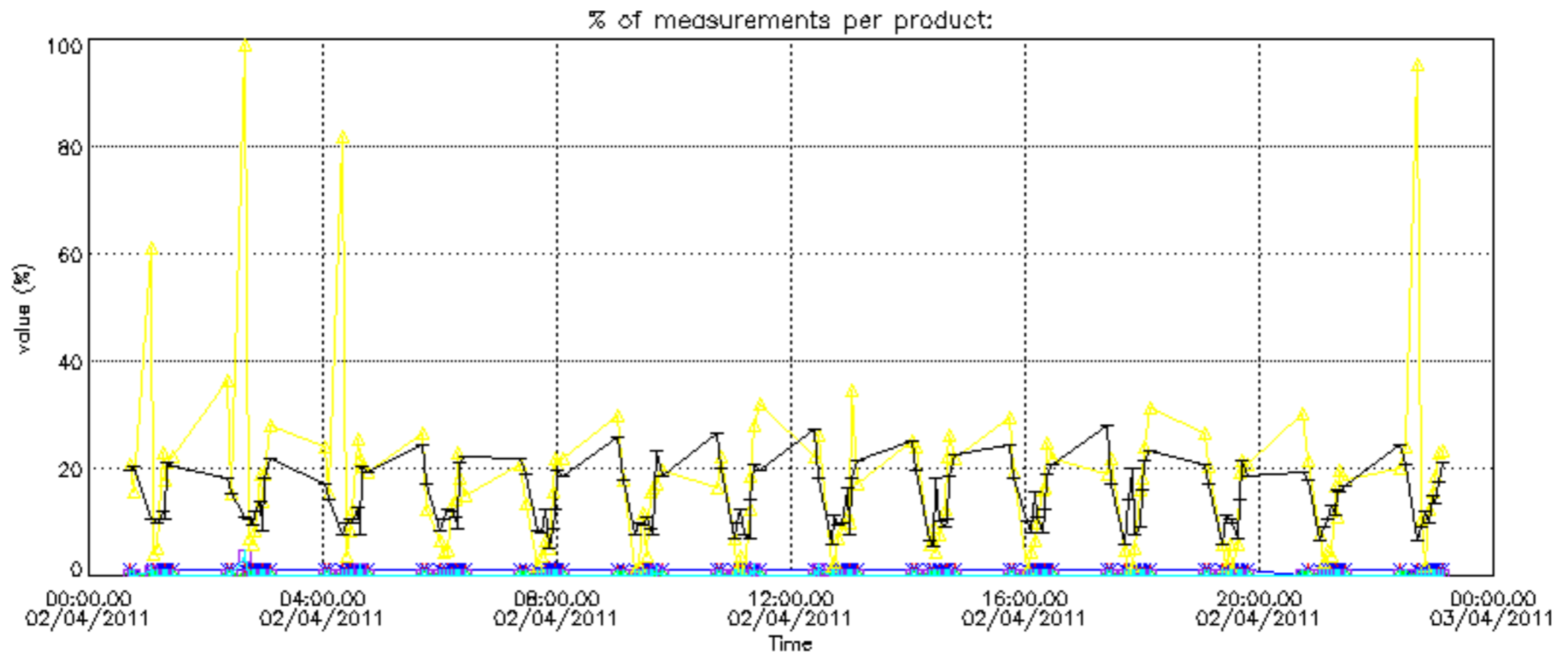


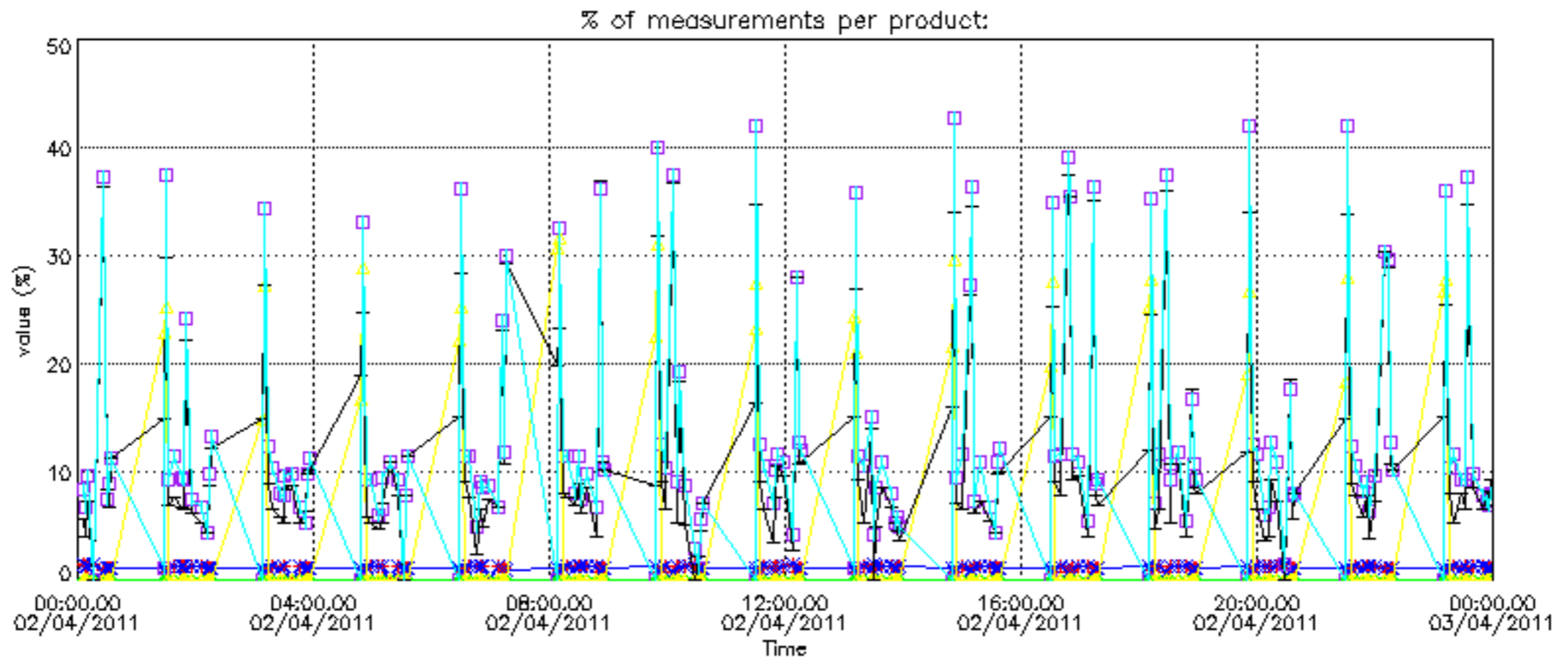
Percentage of flagged data per NO2 profile



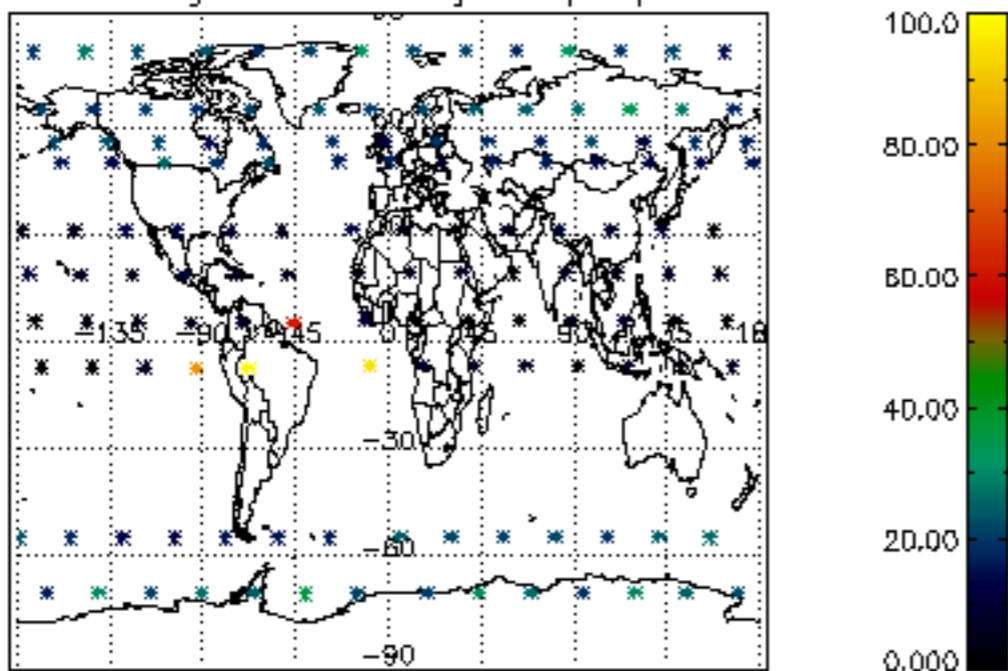
Percentage of flagged data per NO3 profile



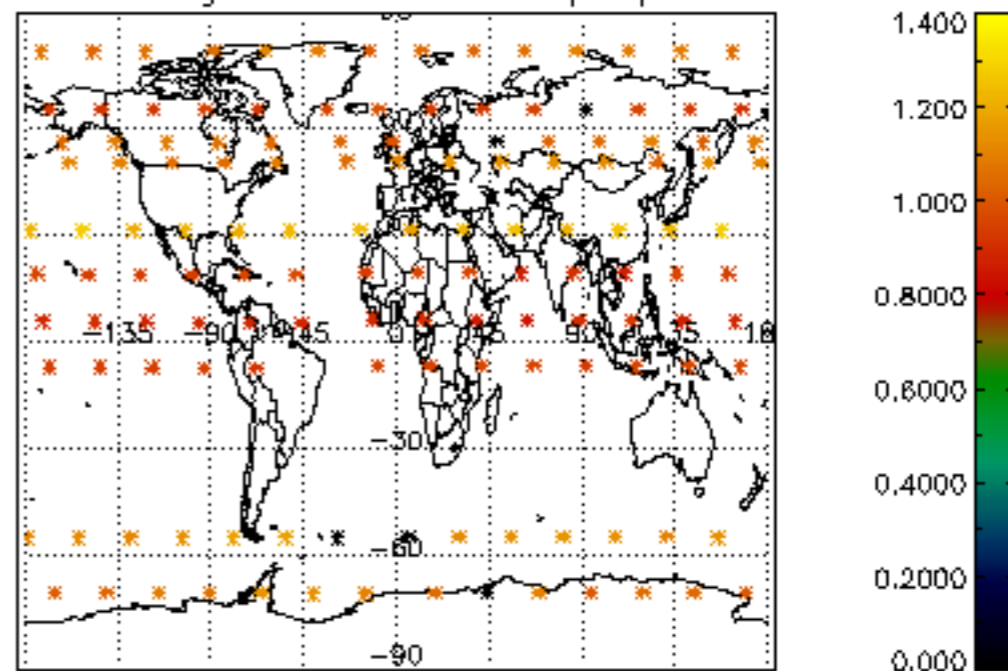




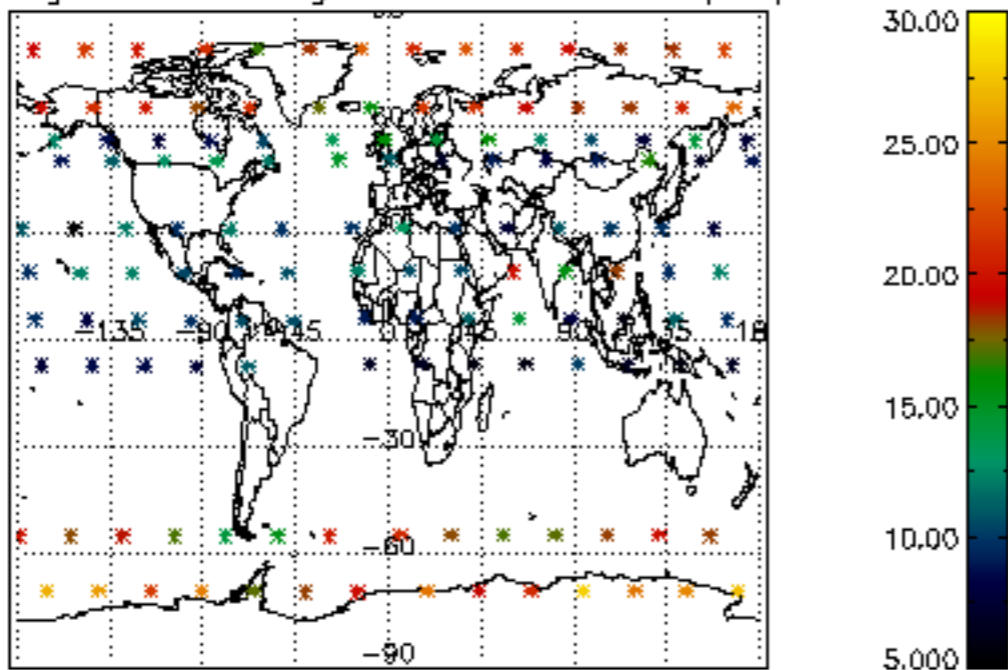
Percentage of cosmic ray hits per profile



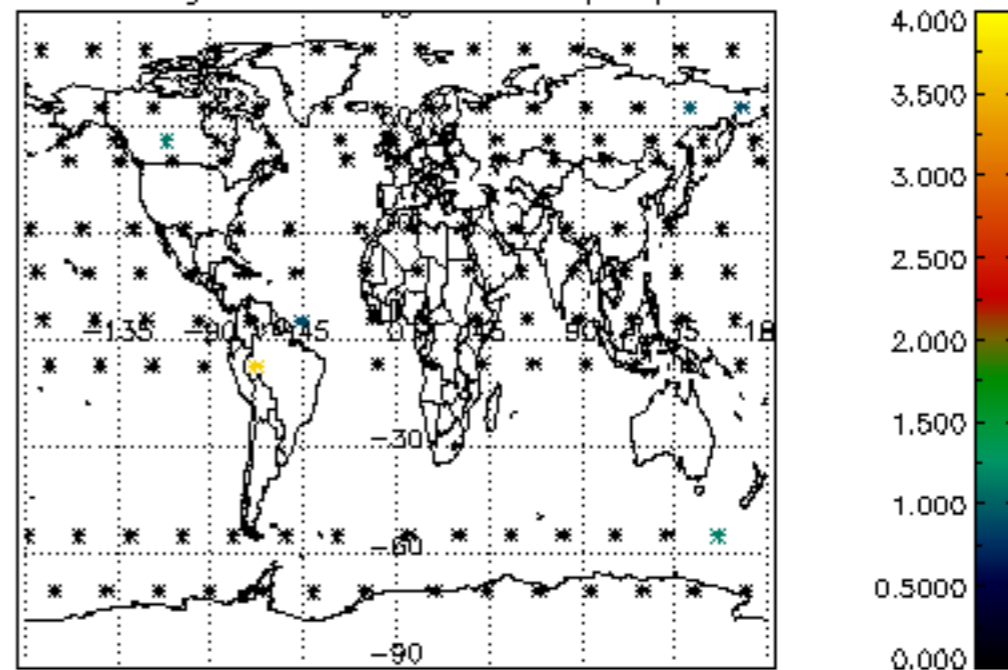
Percentage of datation errors per profile



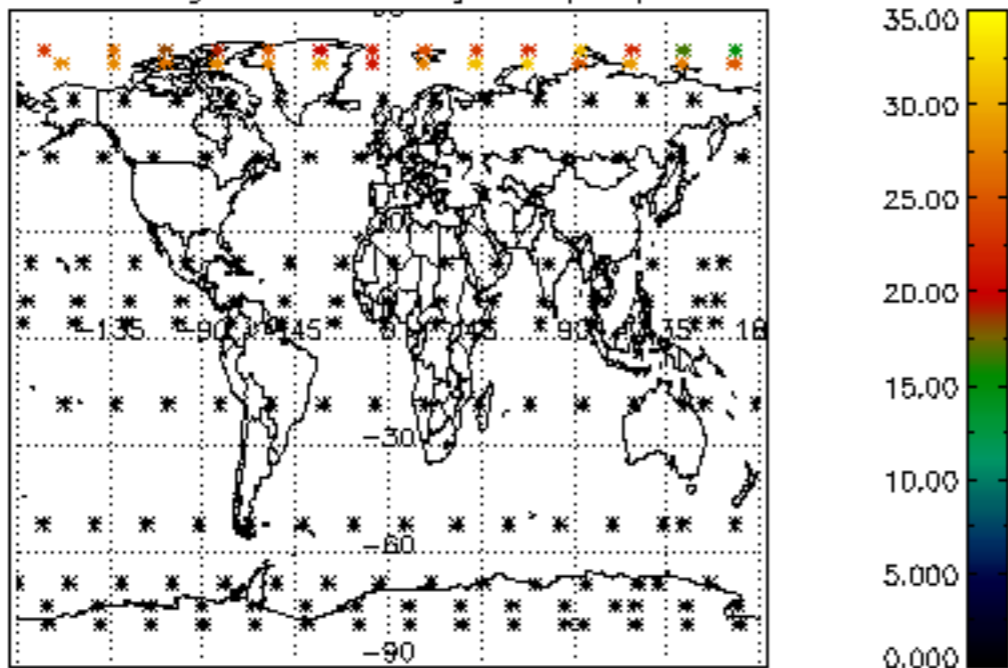
Percentage of star falling outside central band per profile



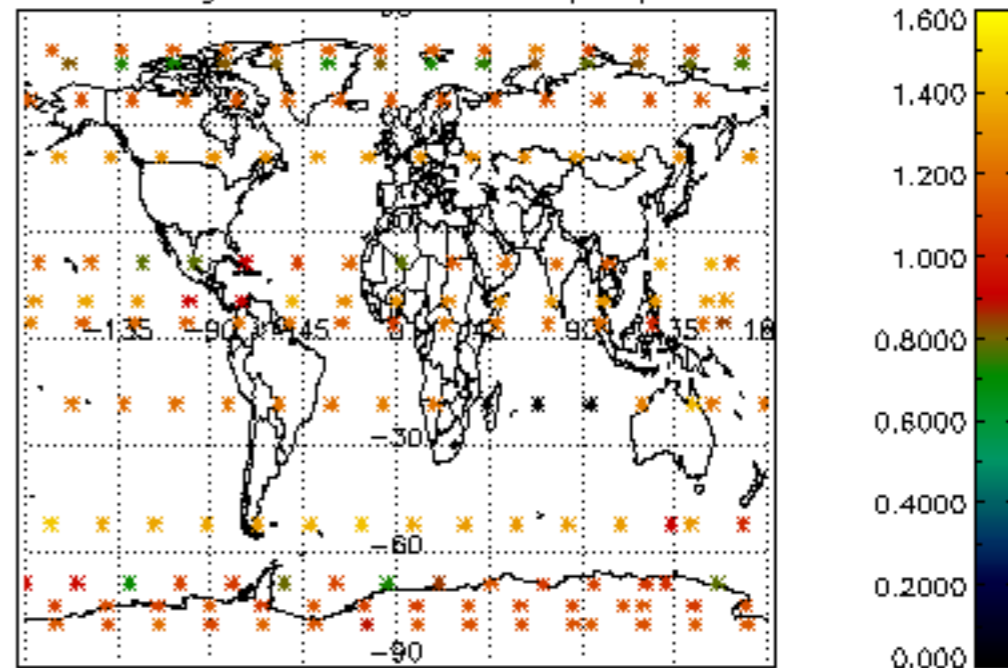
Percentage of saturation errors per profile



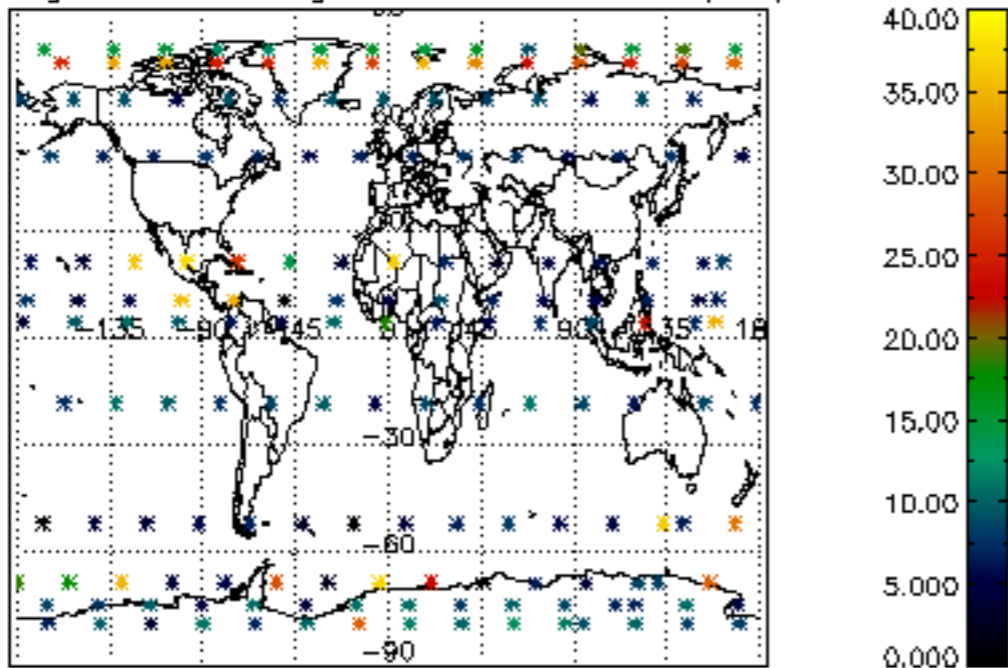
Percentage of cosmic ray hits per profile



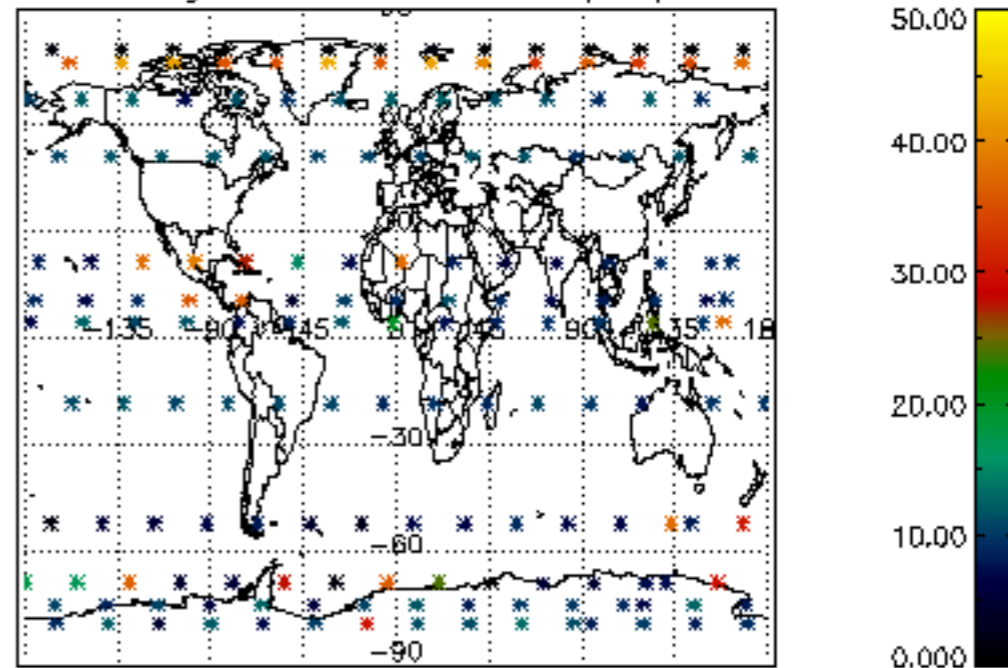
Percentage of datation errors per profile

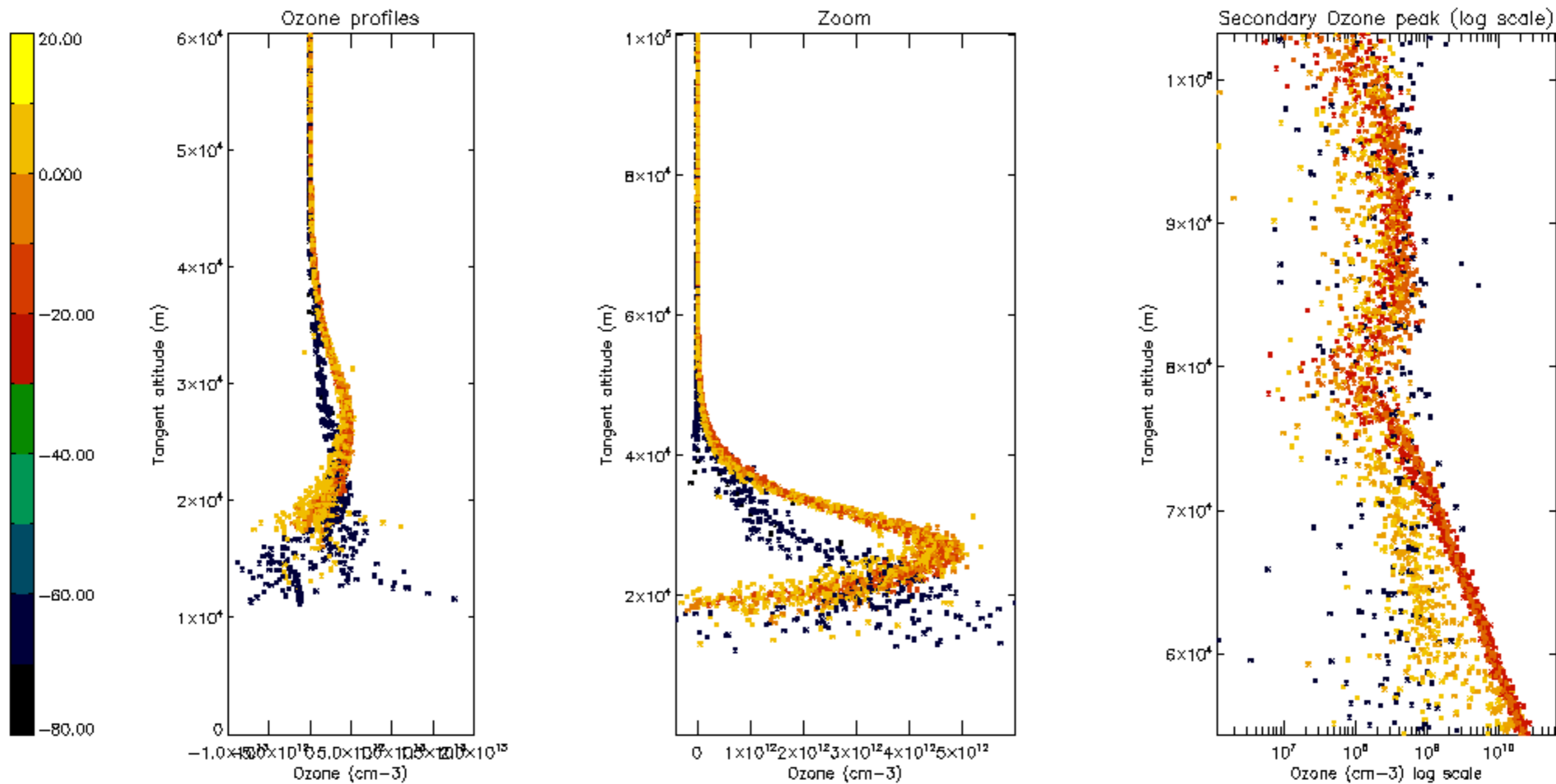


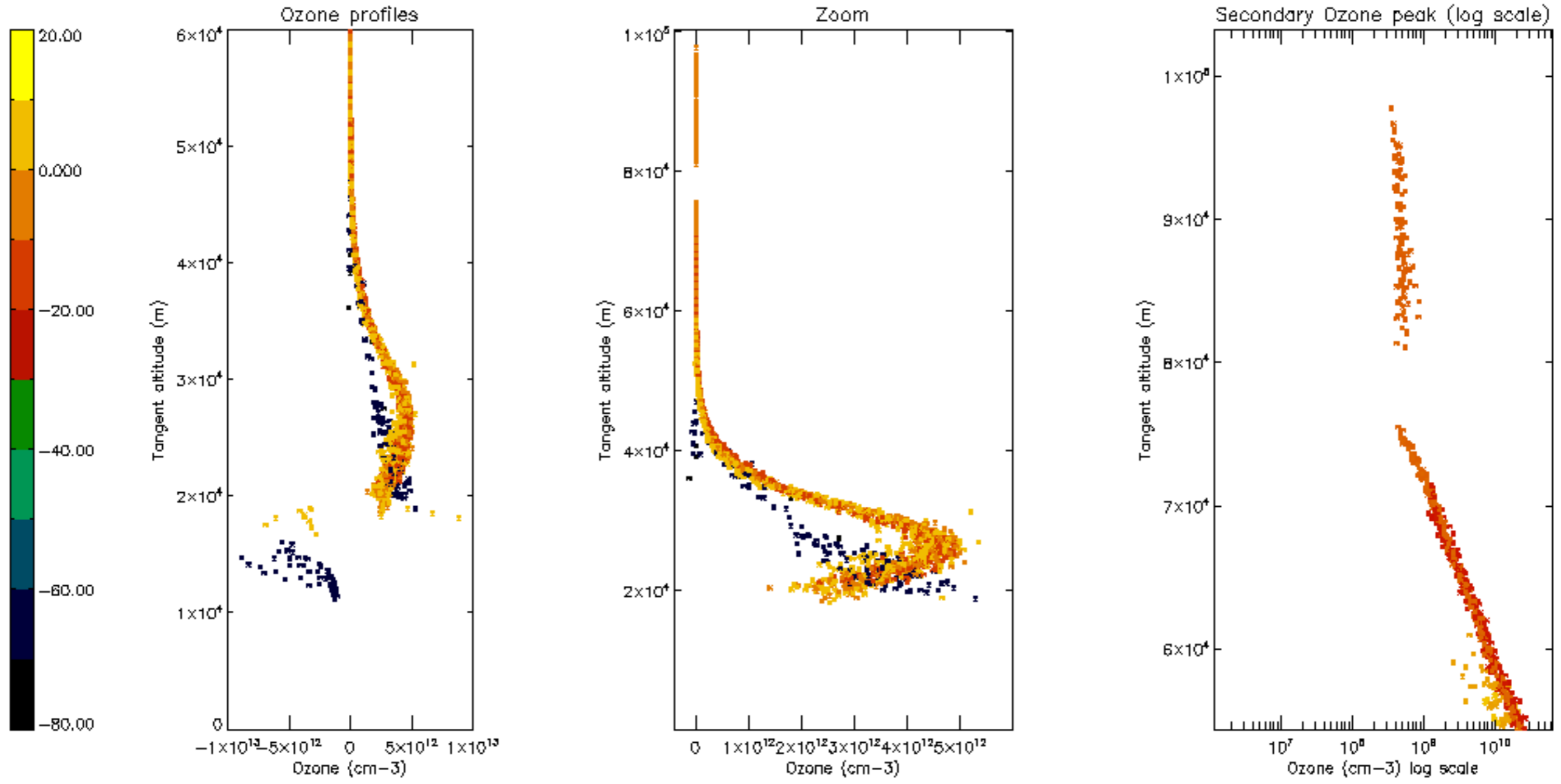
Percentage of star falling outside central band per profile

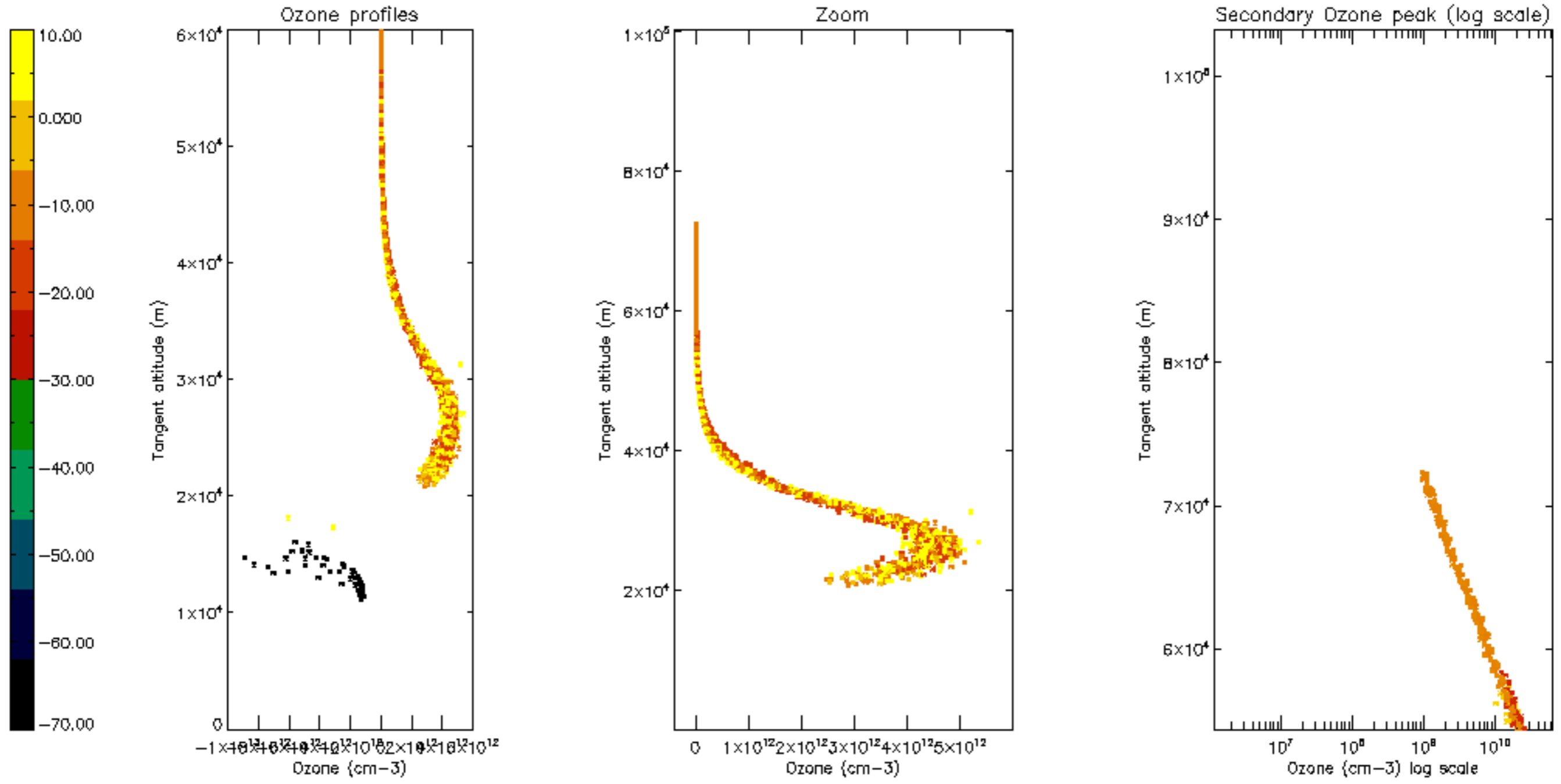


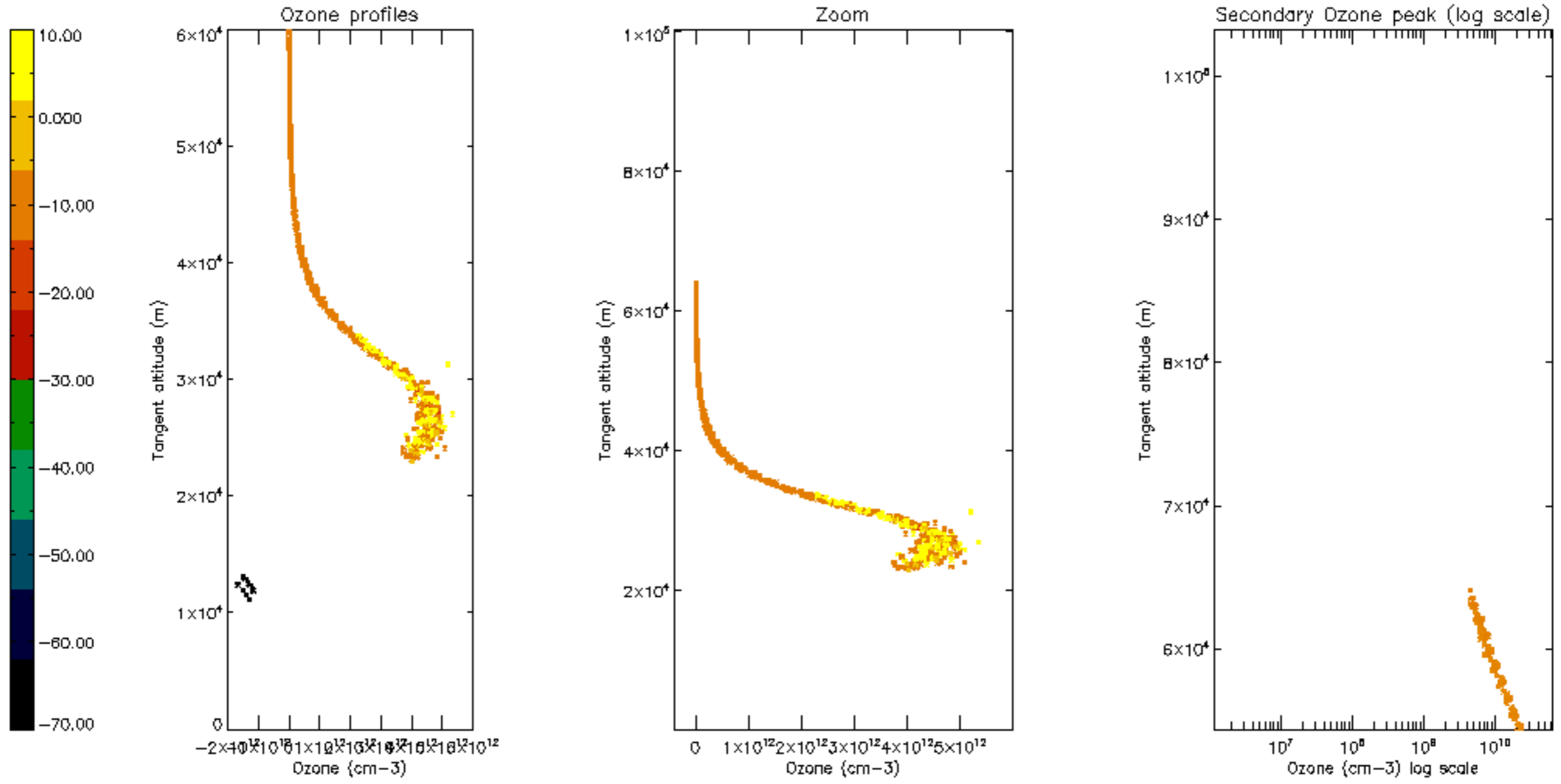
Percentage of saturation errors per profile

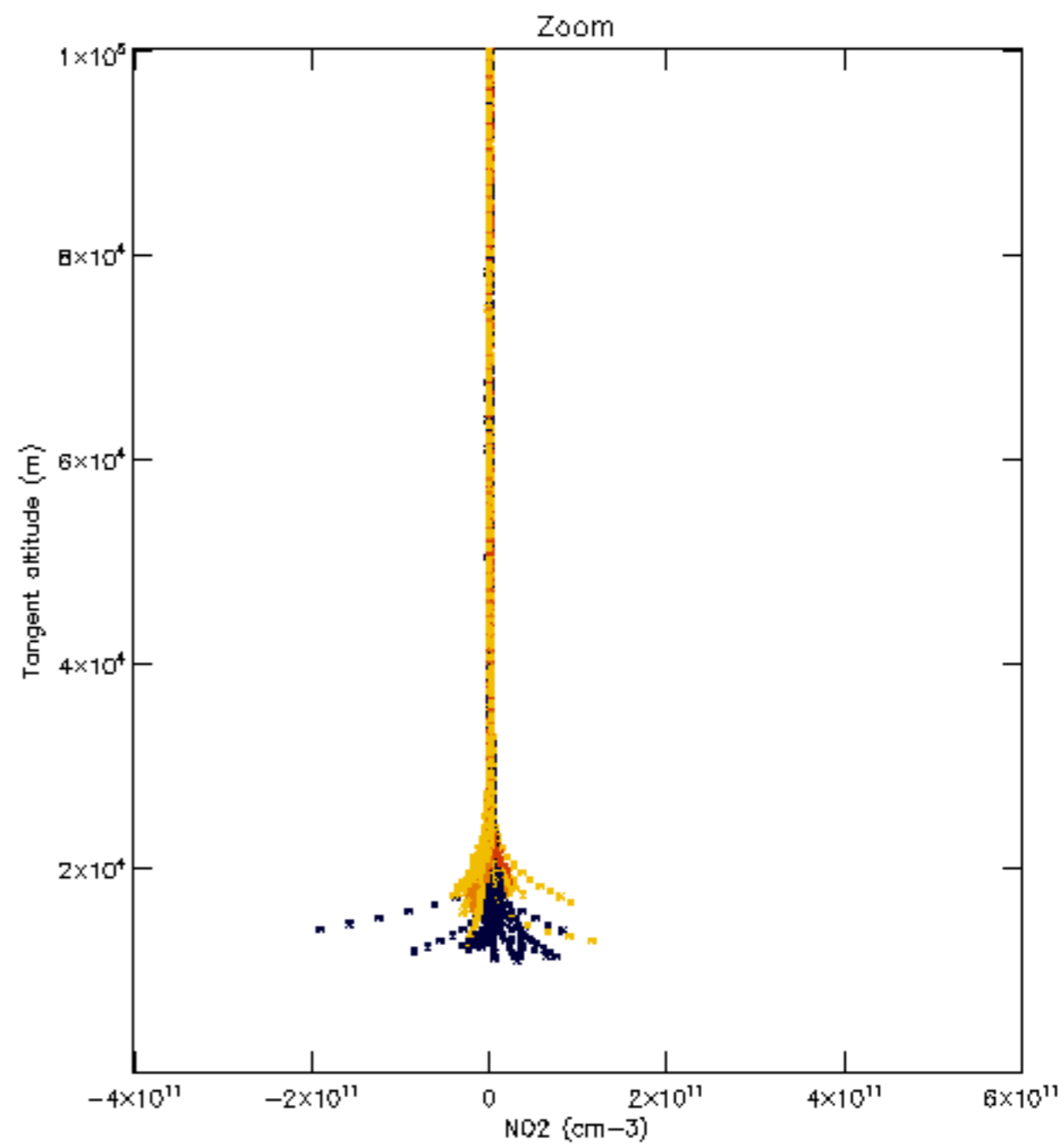
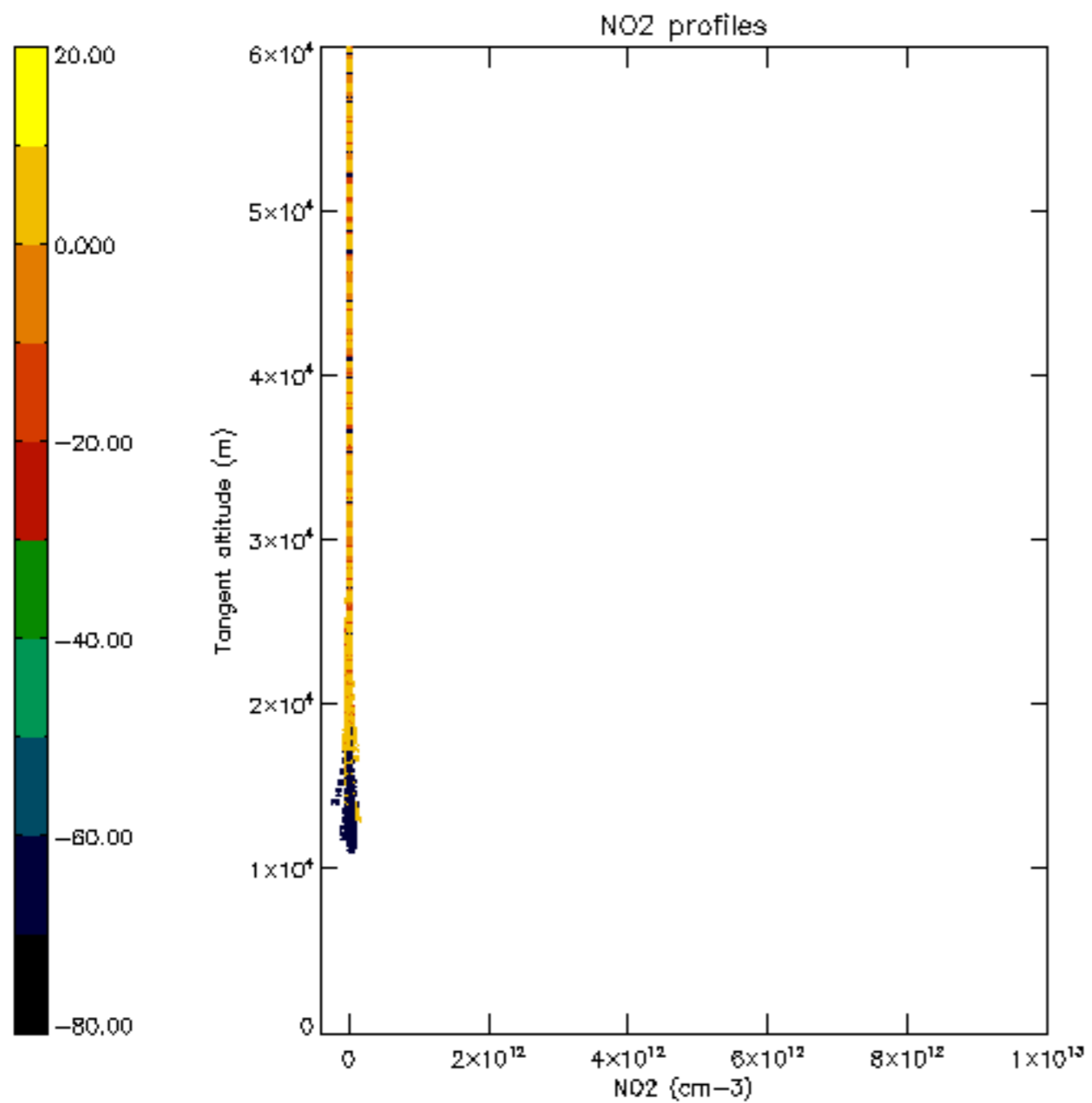


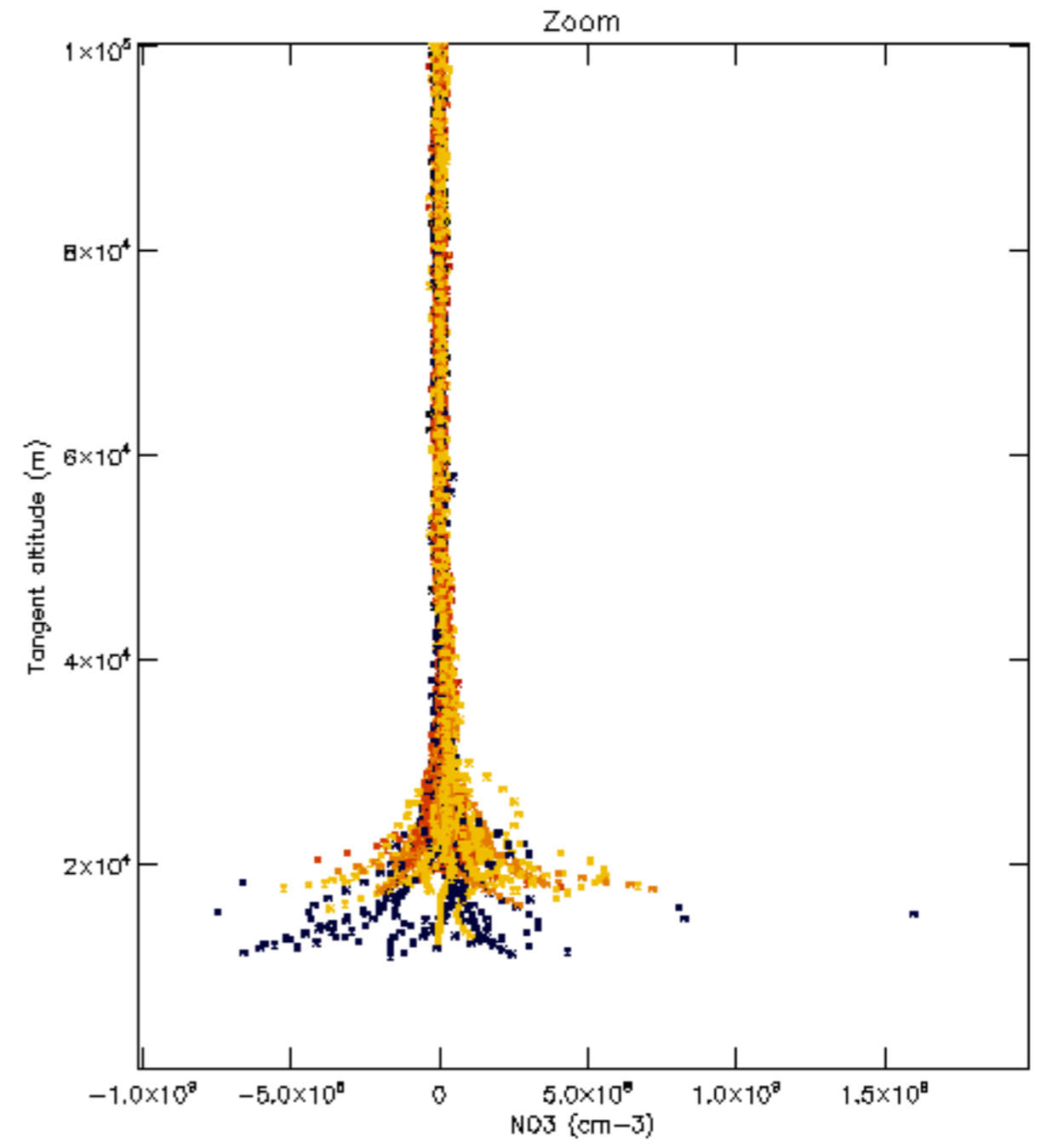
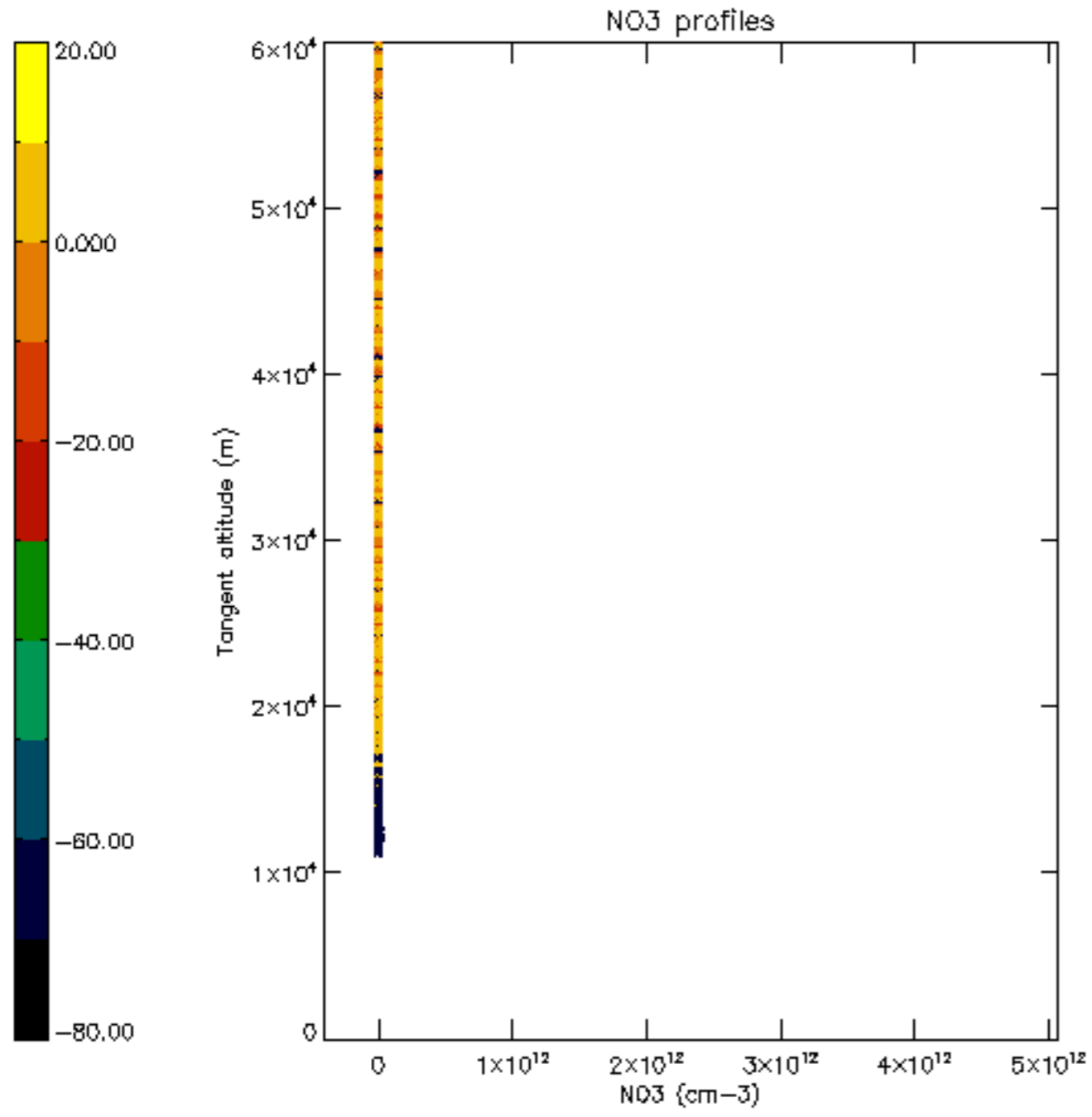


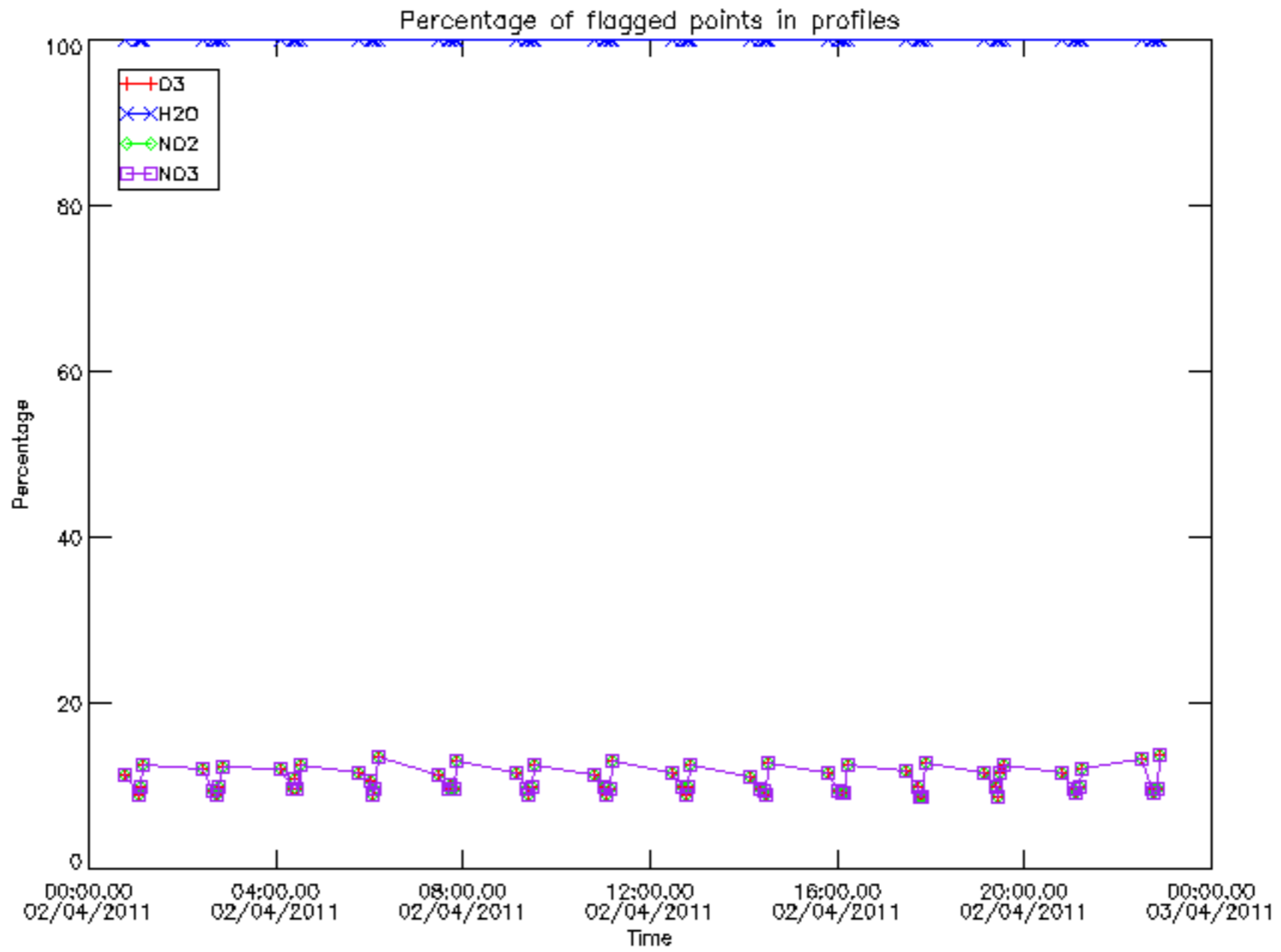




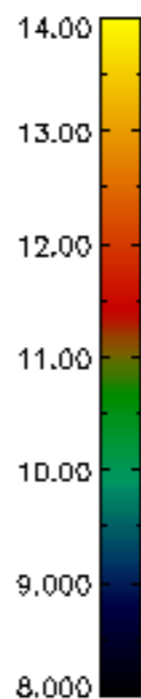
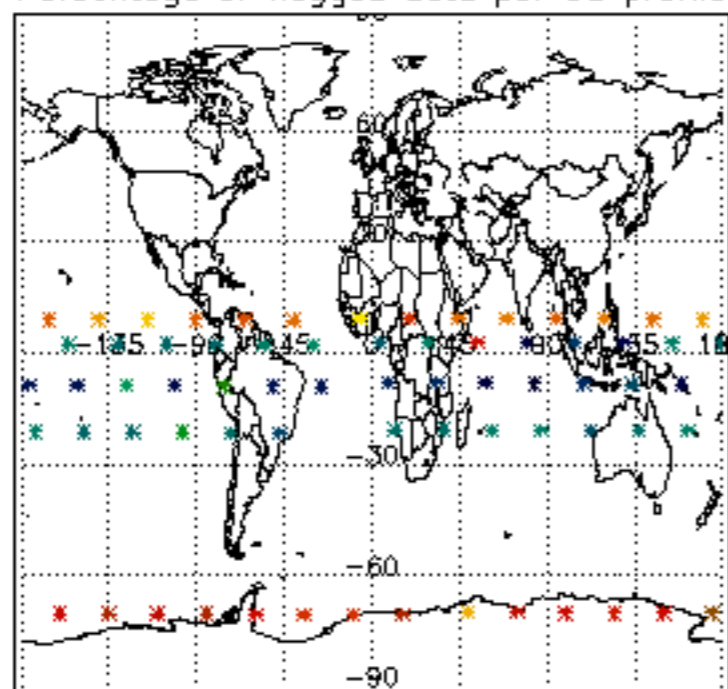




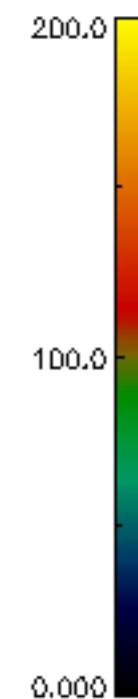
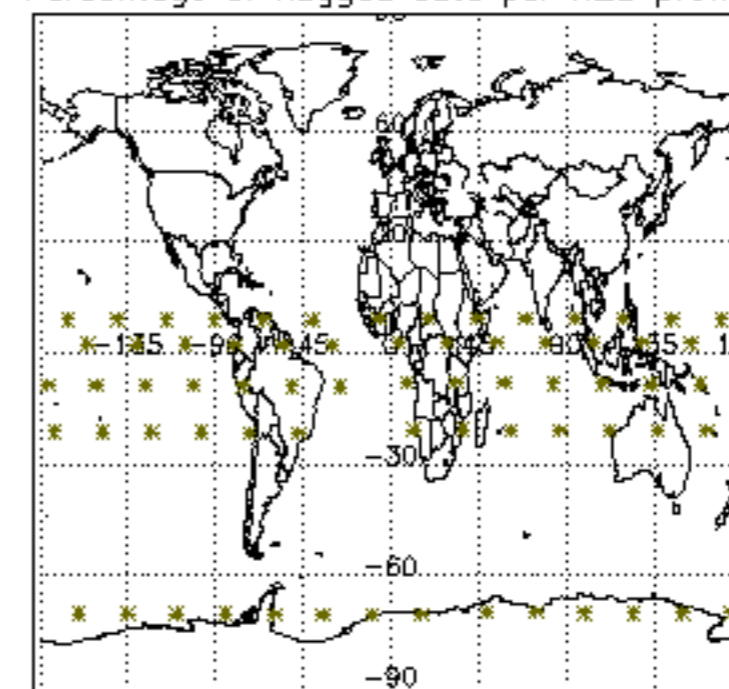




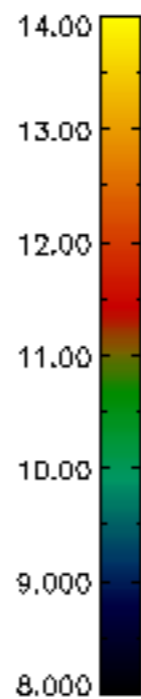
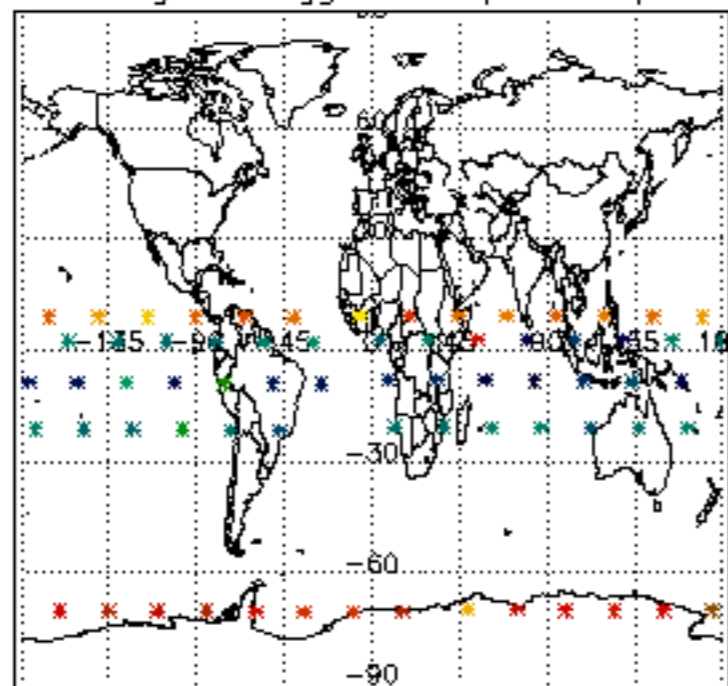
Percentage of flagged data per D3 profile



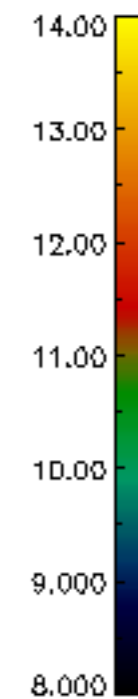
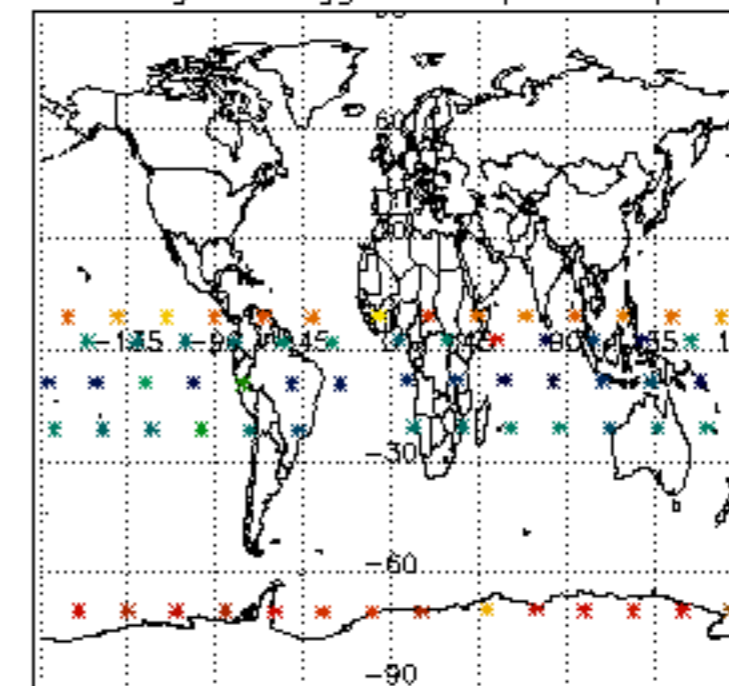
Percentage of flagged data per H2O profile

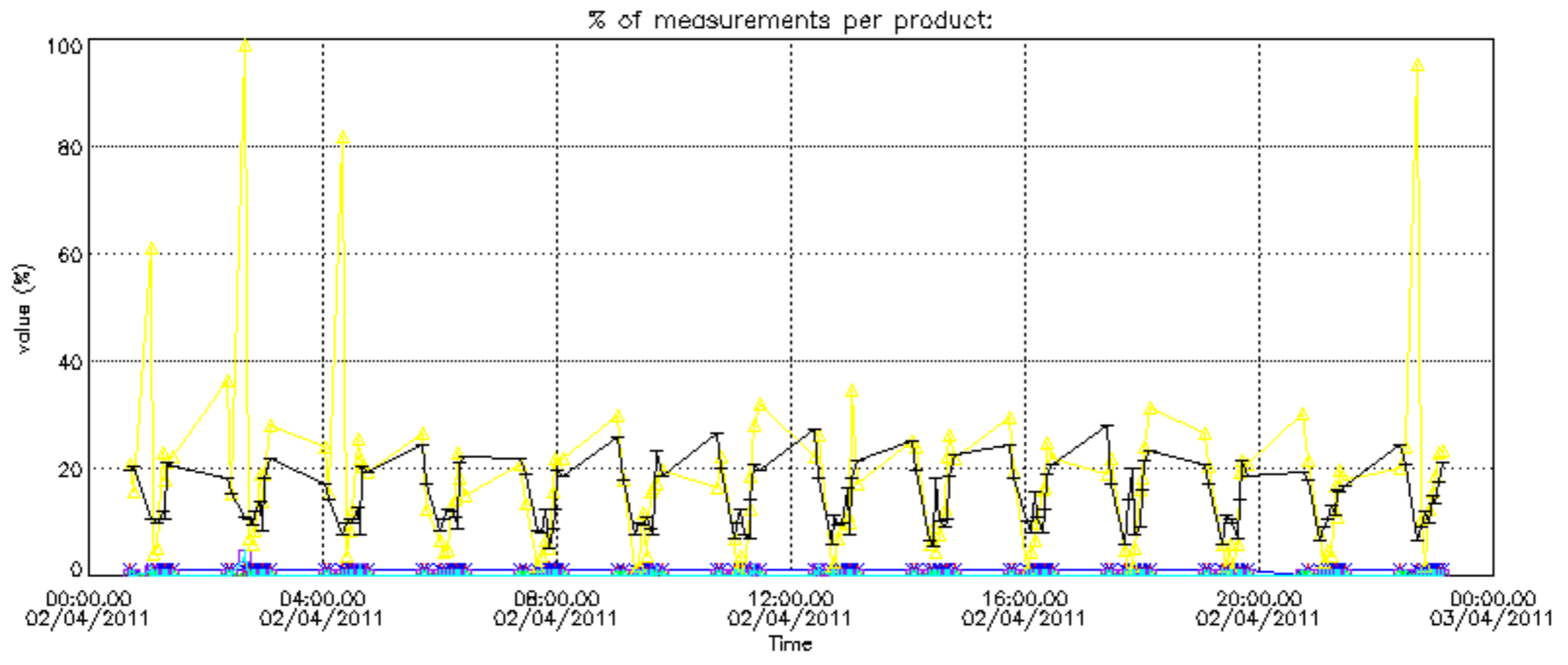


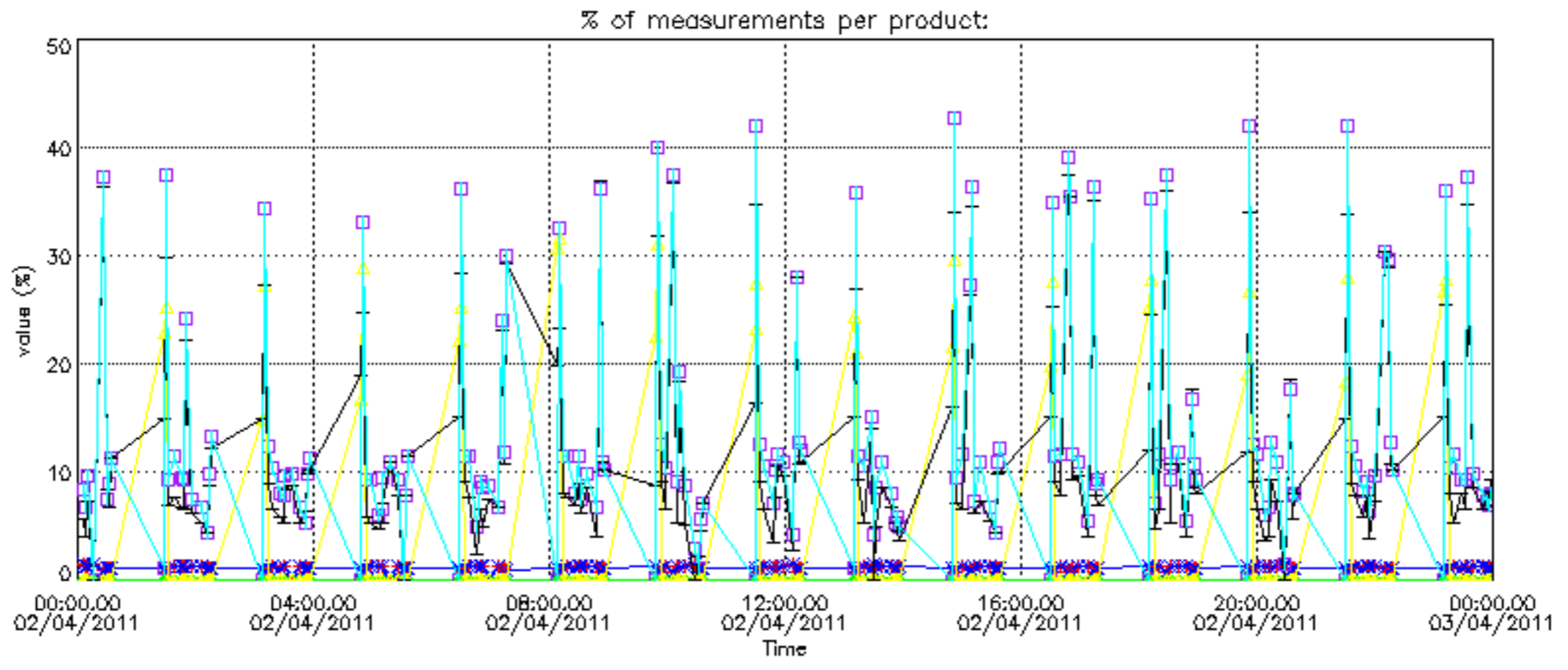
Percentage of flagged data per NO2 profile



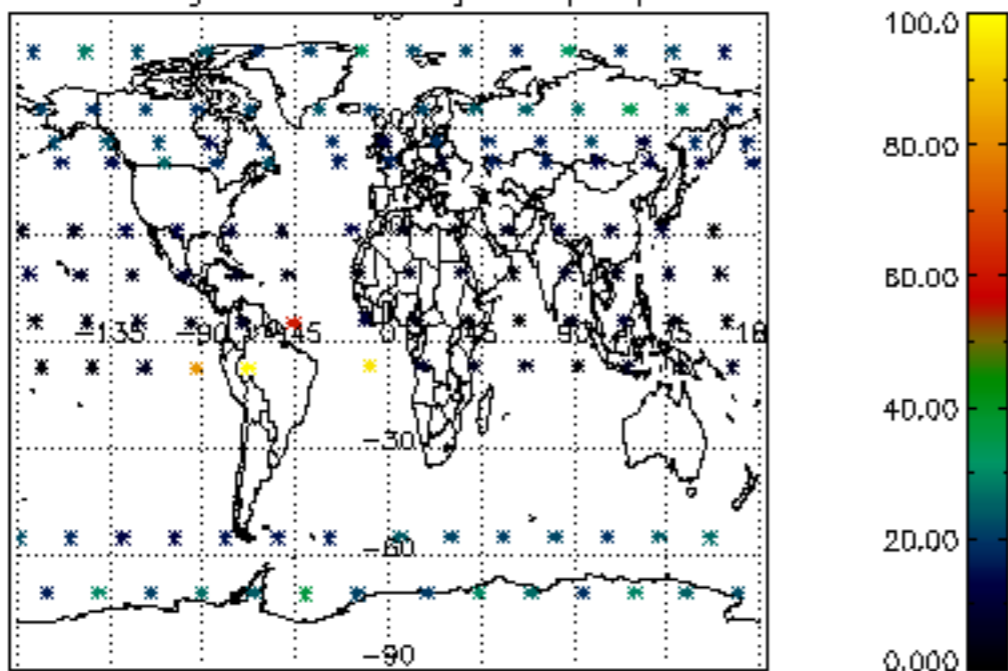
Percentage of flagged data per NO3 profile



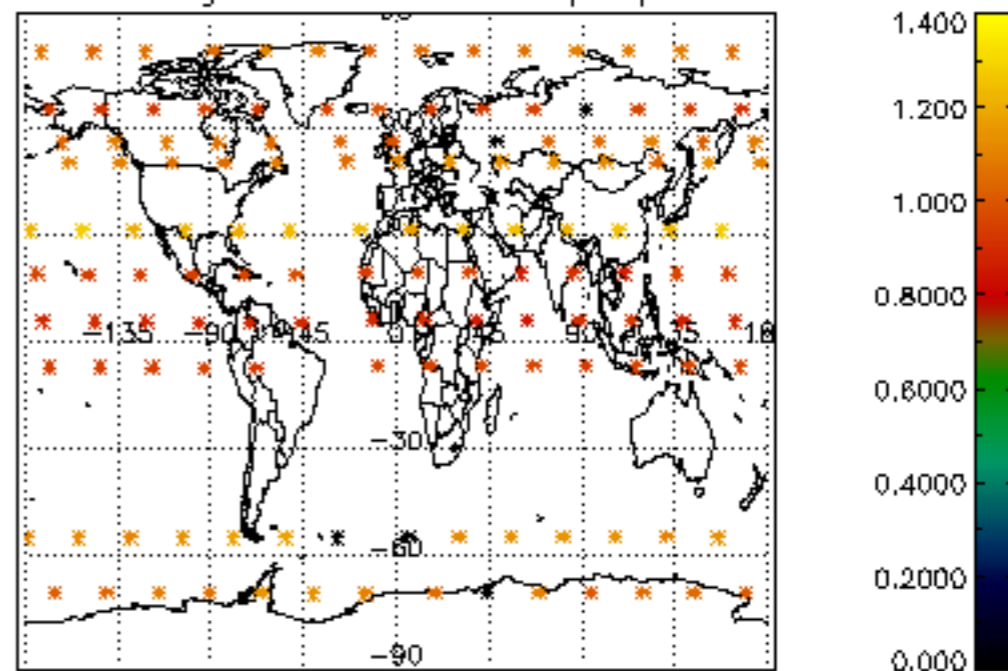




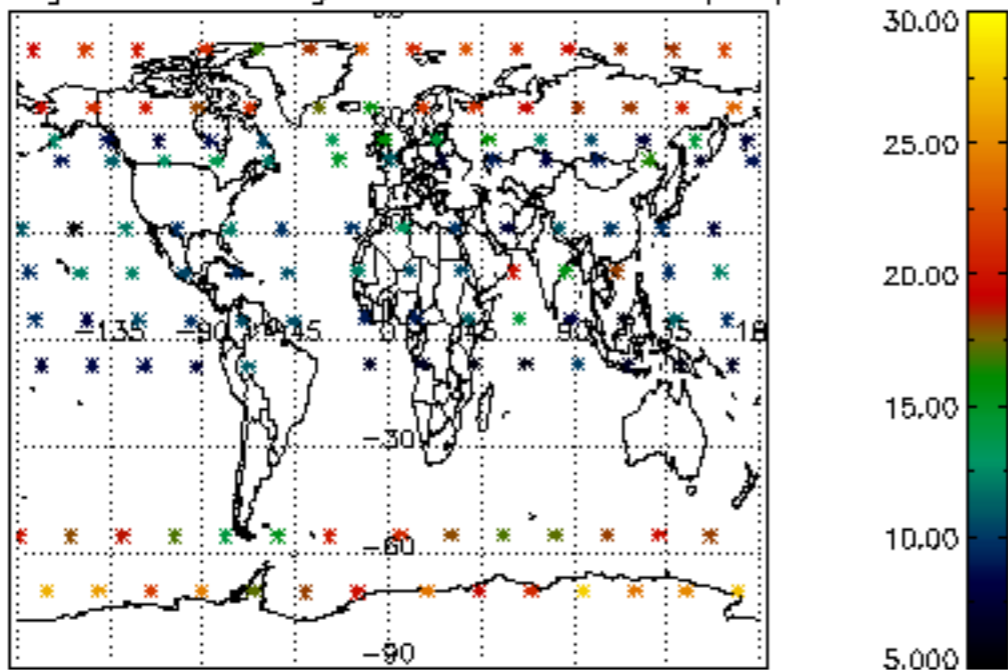
Percentage of cosmic ray hits per profile



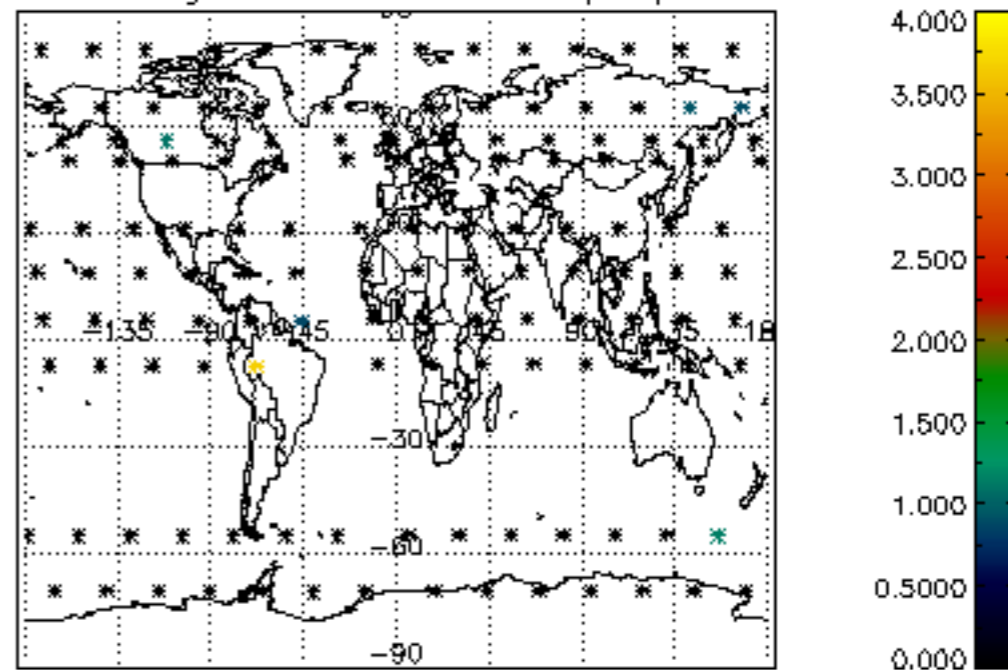
Percentage of datation errors per profile



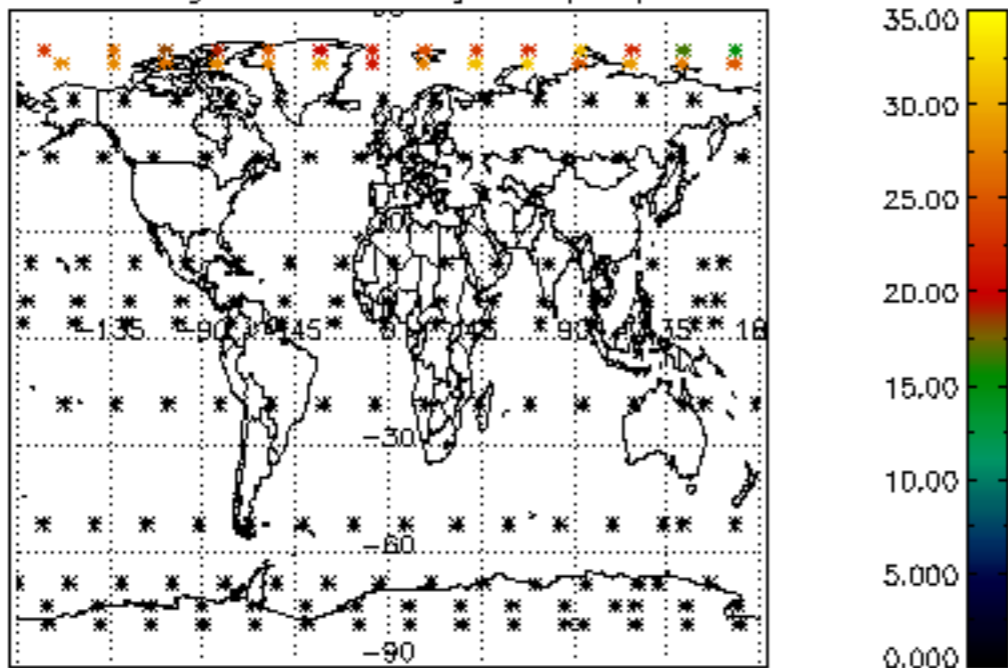
Percentage of star falling outside central band per profile



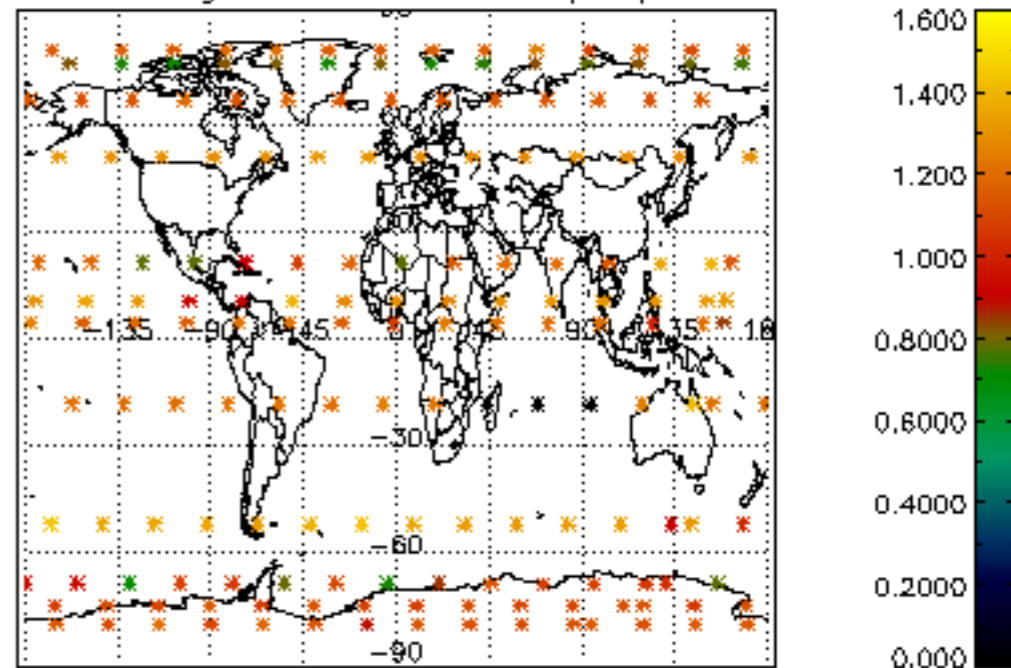
Percentage of saturation errors per profile



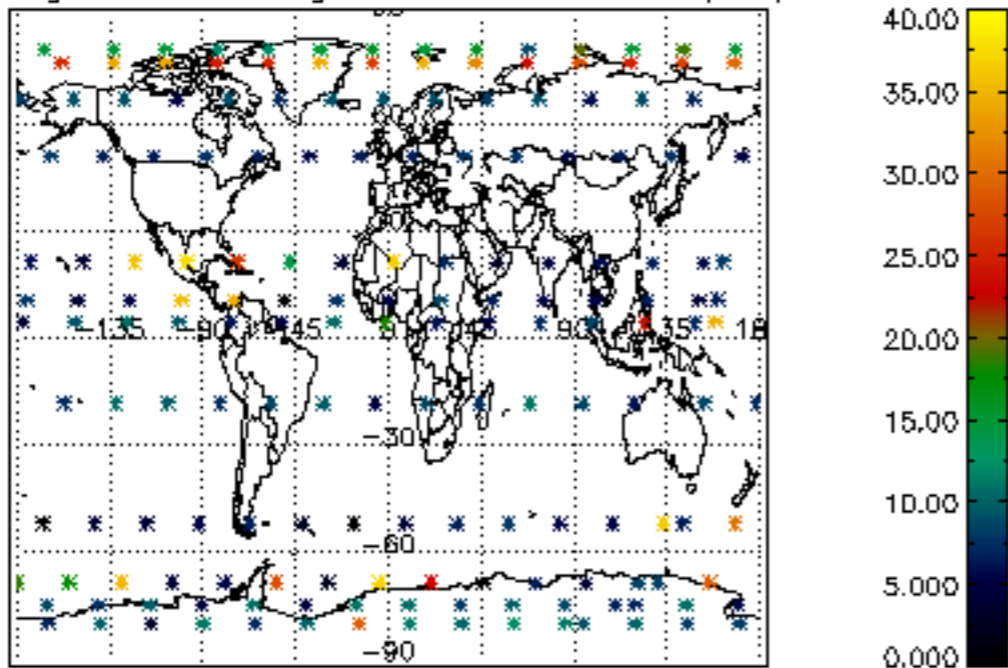
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

