

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 | 24APR2013 04:41:26 |
| Data source version | GOMOS/6.01 |
| Start time of products | 05-10-2006 (05OCT2006 00:00:00) |
| Stop time of products | 06-10-2006 (06OCT2006 00:00:00) |
| Store outputs in DB | Yes |
| Nb of level 2 prods | 173 |
| Nb of prods with errors | 0 |

2. Summary of processed GOM_NL__2P products.

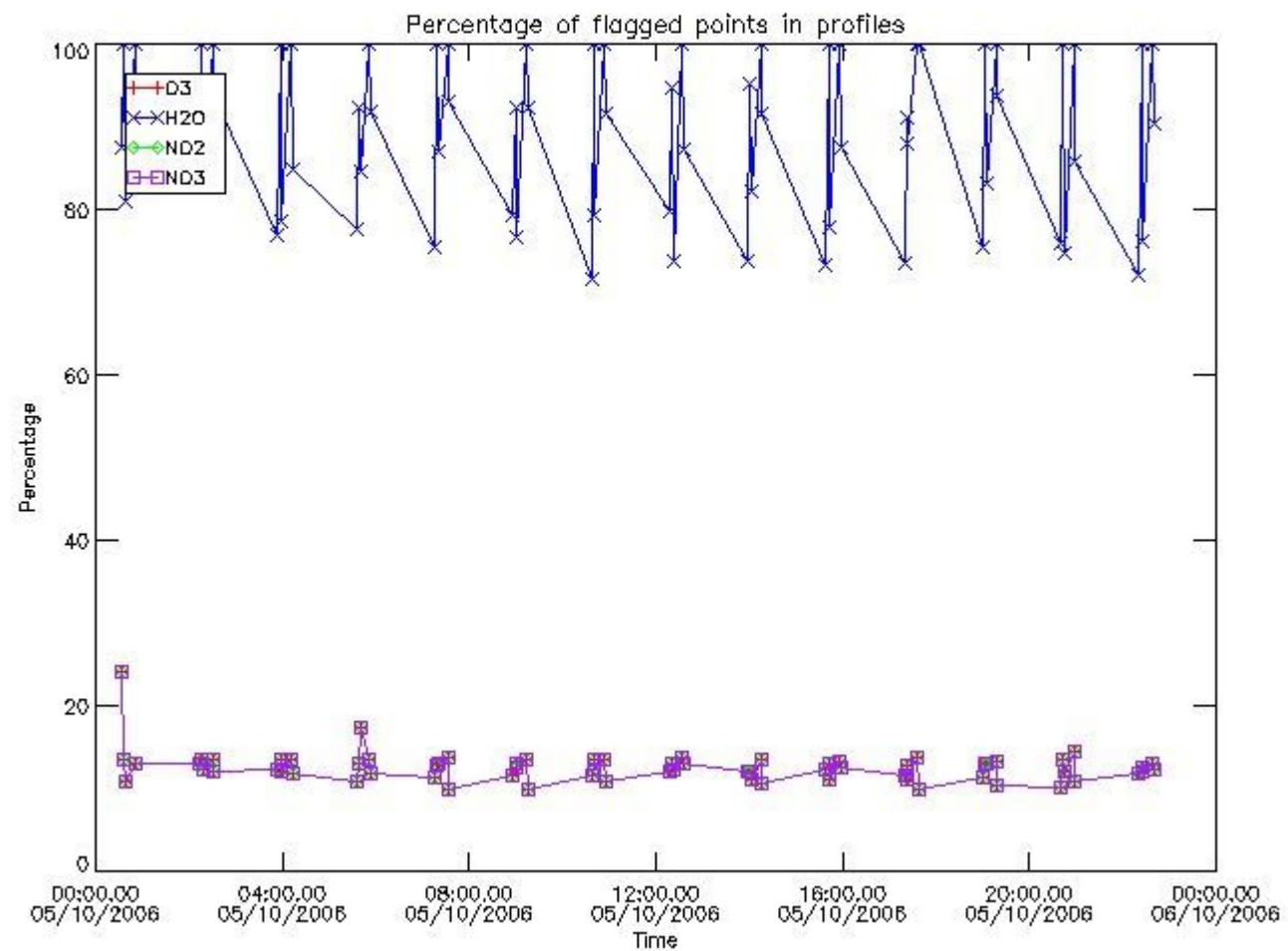
| Nr | Filename | UTC Start time | Limb | Duration | Star Id | Star Name | Star Mag | Star Temp | Nb Meas | Orbit | Prod. error |
|----|--|----------------------|------------|----------|---------|-----------|----------|-----------|---------|-------|-------------|
| 1 | GOM_NL__2PRFIN20061005_000218_000000372051_00431_24032_2347.N1 | 05-OCT-2006 00:02:18 | Bright | 36.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 73 | 24032 | No |
| 2 | GOM_NL__2PRFIN20061005_000349_000000362051_00431_24032_2348.N1 | 05-OCT-2006 00:03:49 | Bright | 36.000 | 82 | 48Bet UMa | 2.3650 | 10600. | 72 | 24032 | No |
| 3 | GOM_NL__2PRFIN20061005_001652_000000332051_00431_24032_2349.N1 | 05-OCT-2006 00:16:52 | Bright | 32.500 | 22 | 32Alp Leo | 1.3600 | 15200. | 65 | 24032 | No |
| 4 | GOM_NL__2PRFIN20061005_003312_000000442051_00431_24032_2350.N1 | 05-OCT-2006 00:33:12 | Dark | 44.000 | 65 | Lam Vel | 2.2040 | 4400.0 | 88 | 24032 | No |
| 5 | GOM_NL__2PRFIN20061005_003628_000000382051_00431_24032_2351.N1 | 05-OCT-2006 00:36:28 | Dark | 37.500 | 46 | Del Vel | 1.9540 | 10600. | 75 | 24032 | No |
| 6 | GOM_NL__2PRFIN20061005_003803_000000482051_00432_24033_2703.N1 | 05-OCT-2006 00:38:03 | Dark | 47.500 | 41 | Eps Car | 1.8600 | 4100.0 | 95 | 24033 | No |
| 7 | GOM_NL__2PRFIN20061005_005016_000000392051_00432_24033_2704.N1 | 05-OCT-2006 00:50:16 | Dark | 39.000 | 143 | Alp Hyi | 2.8570 | 7200.0 | 78 | 24033 | No |
| 8 | GOM_NL__2PRFIN20061005_005144_000000392051_00432_24033_2705.N1 | 05-OCT-2006 00:51:44 | Dark | 39.000 | 9 | Alp Eri | 0.45300 | 24000. | 78 | 24033 | No |
| 9 | GOM_NL__2PRFIN20061005_005700_000000442051_00432_24033_2706.N1 | 05-OCT-2006 00:57:00 | Straylight | 44.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 88 | 24033 | No |
| 10 | GOM_NL__2PRFIN20061005_011355_000000372051_00432_24033_2707.N1 | 05-OCT-2006 01:13:55 | Bright | 36.500 | 90 | 54Alp Peg | 2.4870 | 11000. | 73 | 24033 | No |
| 11 | GOM_NL__2PRFIN20061005_011731_000000362051_00432_24033_2708.N1 | 05-OCT-2006 01:17:31 | Bright | 36.000 | 93 | 53Bet Peg | 2.5200 | 3100.0 | 72 | 24033 | No |
| 12 | GOM_NL__2PRFIN20061005_013451_000000352051_00432_24033_2709.N1 | 05-OCT-2006 01:34:51 | Bright | 35.000 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 70 | 24033 | No |
| 13 | GOM_NL__2PRFIN20061005_014254_000000362051_00432_24033_2710.N1 | 05-OCT-2006 01:42:54 | Bright | 35.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 71 | 24033 | No |
| 14 | GOM_NL__2PRFIN20061005_014425_000000342051_00432_24033_2711.N1 | 05-OCT-2006 01:44:25 | Bright | 34.000 | 82 | 48Bet UMa | 2.3650 | 10600. | 68 | 24033 | No |
| 15 | GOM_NL__2PRFIN20061005_015728_000000332051_00432_24033_2712.N1 | 05-OCT-2006 01:57:28 | Bright | 32.500 | 22 | 32Alp Leo | 1.3600 | 15200. | 65 | 24033 | No |
| 16 | GOM_NL__2PRFIN20061005_021348_000000392051_00432_24033_2713.N1 | 05-OCT-2006 02:13:48 | Dark | 39.000 | 65 | Lam Vel | 2.2040 | 4400.0 | 78 | 24033 | No |
| 17 | GOM_NL__2PRFIN20061005_021704_000000382051_00432_24033_2714.N1 | 05-OCT-2006 02:17:04 | Dark | 38.000 | 46 | Del Vel | 1.9540 | 10600. | 76 | 24033 | No |
| 18 | GOM_NL__2PRFIN20061005_021839_000000422051_00433_24034_2343.N1 | 05-OCT-2006 02:18:39 | Dark | 41.500 | 41 | Eps Car | 1.8600 | 4100.0 | 83 | 24034 | No |
| 19 | GOM_NL__2PRFIN20061005_023052_000000382051_00433_24034_2344.N1 | 05-OCT-2006 02:30:52 | Dark | 38.000 | 143 | Alp Hyi | 2.8570 | 7200.0 | 76 | 24034 | No |
| 20 | GOM_NL__2PRFIN20061005_023220_000000432051_00433_24034_2345.N1 | 05-OCT-2006 02:32:20 | Dark | 42.500 | 9 | Alp Eri | 0.45300 | 24000. | 85 | 24034 | No |
| 21 | GOM_NL__2PRFIN20061005_023736_000000432051_00433_24034_2346.N1 | 05-OCT-2006 02:37:36 | Straylight | 42.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 85 | 24034 | No |
| 22 | GOM_NL__2PRFIN20061005_025431_000000362051_00433_24034_2347.N1 | 05-OCT-2006 02:54:31 | Bright | 35.500 | 90 | 54Alp Peg | 2.4870 | 11000. | 71 | 24034 | No |
| 23 | GOM_NL__2PRFIN20061005_025807_000000382051_00433_24034_2348.N1 | 05-OCT-2006 02:58:07 | Bright | 37.500 | 93 | 53Bet Peg | 2.5200 | 3100.0 | 75 | 24034 | No |
| 24 | GOM_NL__2PRFIN20061005_031527_000000362051_00433_24034_2349.N1 | 05-OCT-2006 03:15:27 | Bright | 36.000 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 72 | 24034 | No |
| 25 | GOM_NL__2PRFIN20061005_032330_000000372051_00433_24034_2350.N1 | 05-OCT-2006 03:23:30 | Bright | 36.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 73 | 24034 | No |
| 26 | GOM_NL__2PRFIN20061005_032501_000000342051_00433_24034_2351.N1 | 05-OCT-2006 03:25:01 | Bright | 34.000 | 82 | 48Bet UMa | 2.3650 | 10600. | 68 | 24034 | No |
| 27 | GOM_NL__2PRFIN20061005_033804_000000332051_00433_24034_2352.N1 | 05-OCT-2006 03:38:04 | Bright | 33.000 | 22 | 32Alp Leo | 1.3600 | 15200. | 66 | 24034 | No |
| 28 | GOM_NL__2PRFIN20061005_035425_000000422051_00433_24034_2353.N1 | 05-OCT-2006 03:54:25 | Dark | 41.500 | 65 | Lam Vel | 2.2040 | 4400.0 | 83 | 24034 | No |
| 29 | GOM_NL__2PRFIN20061005_035740_000000382051_00433_24034_2354.N1 | 05-OCT-2006 03:57:40 | Dark | 38.000 | 46 | Del Vel | 1.9540 | 10600. | 76 | 24034 | No |
| 30 | GOM_NL__2PRFIN20061005_035916_000000432051_00434_24035_2343.N1 | 05-OCT-2006 03:59:16 | Dark | 42.500 | 41 | Eps Car | 1.8600 | 4100.0 | 85 | 24035 | No |
| 31 | GOM_NL__2PRFIN20061005_041129_000000382051_00434_24035_2344.N1 | 05-OCT-2006 04:11:29 | Dark | 38.000 | 143 | Alp Hyi | 2.8570 | 7200.0 | 76 | 24035 | No |
| 32 | GOM_NL__2PRFIN20061005_041256_000000442051_00434_24035_2345.N1 | 05-OCT-2006 04:12:56 | Dark | 43.500 | 9 | Alp Eri | 0.45300 | 24000. | 87 | 24035 | No |
| 33 | GOM_NL__2PRFIN20061005_041812_000000382051_00434_24035_2346.N1 | 05-OCT-2006 04:18:12 | Straylight | 38.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 76 | 24035 | No |
| 34 | GOM_NL__2PRFIN20061005_043508_000000372051_00434_24035_2347.N1 | 05-OCT-2006 04:35:08 | Bright | 36.500 | 90 | 54Alp Peg | 2.4870 | 11000. | 73 | 24035 | No |
| 35 | GOM_NL__2PRFIN20061005_043844_000000382051_00434_24035_2348.N1 | 05-OCT-2006 04:38:44 | Bright | 37.500 | 93 | 53Bet Peg | 2.5200 | 3100.0 | 75 | 24035 | No |
| 36 | GOM_NL__2PRFIN20061005_045603_000000372051_00434_24035_2349.N1 | 05-OCT-2006 04:56:03 | Bright | 36.500 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 73 | 24035 | No |
| 37 | GOM_NL__2PRFIN20061005_050407_000000362051_00434_24035_2350.N1 | 05-OCT-2006 05:04:07 | Bright | 35.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 71 | 24035 | No |
| 38 | GOM_NL__2PRFIN20061005_050538_000000342051_00434_24035_2351.N1 | 05-OCT-2006 05:05:38 | Bright | 34.000 | 82 | 48Bet UMa | 2.3650 | 10600. | 68 | 24035 | No |
| 39 | GOM_NL__2PRFIN20061005_051841_000000352051_00434_24035_2352.N1 | 05-OCT-2006 05:18:41 | Bright | 34.500 | 22 | 32Alp Leo | 1.3600 | 15200. | 69 | 24035 | No |
| 40 | GOM_NL__2PRFIN20061005_053501_000000482051_00434_24035_2353.N1 | 05-OCT-2006 05:35:01 | Dark | 47.500 | 65 | Lam Vel | 2.2040 | 4400.0 | 95 | 24035 | No |
| 41 | GOM_NL__2PRFIN20061005_053817_000000392051_00434_24035_2354.N1 | 05-OCT-2006 05:38:17 | Dark | 39.000 | 46 | Del Vel | 1.9540 | 10600. | 78 | 24035 | No |
| 42 | GOM_NL__2PRFIN20061005_053952_000000532051_00435_24036_2343.N1 | 05-OCT-2006 05:39:52 | Dark | 52.500 | 41 | Eps Car | 1.8600 | 4100.0 | 105 | 24036 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|------------|--------|-----|-----------|---------|--------|-----|-------|----|
| 161 | GOM_NL__2PRFIN20061005_222105_000000442051_00444_24045_2378.N1 | 05-OCT-2006 22:21:05 | Dark | 43.500 | 65 | Lam Vel | 2.2040 | 4400.0 | 87 | 24045 | No |
| 162 | GOM_NL__2PRFIN20061005_222420_000000412051_00444_24045_2379.N1 | 05-OCT-2006 22:24:20 | Dark | 41.000 | 46 | Del Vel | 1.9540 | 10600. | 82 | 24045 | No |
| 163 | GOM_NL__2PRFIN20061005_222556_000000512051_00445_24046_2368.N1 | 05-OCT-2006 22:25:56 | Dark | 51.000 | 41 | Eps Car | 1.8600 | 4100.0 | 102 | 24046 | No |
| 164 | GOM_NL__2PRFIN20061005_223808_000000392051_00445_24046_2369.N1 | 05-OCT-2006 22:38:08 | Dark | 39.000 | 143 | Alp Hyi | 2.8570 | 7200.0 | 78 | 24046 | No |
| 165 | GOM_NL__2PRFIN20061005_223935_000000412051_00445_24046_2370.N1 | 05-OCT-2006 22:39:35 | Dark | 41.000 | 9 | Alp Eri | 0.45300 | 24000. | 82 | 24046 | No |
| 166 | GOM_NL__2PRFIN20061005_224450_000000412051_00445_24046_2371.N1 | 05-OCT-2006 22:44:50 | Straylight | 40.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 81 | 24046 | No |
| 167 | GOM_NL__2PRFIN20061005_230144_000000372051_00445_24046_2372.N1 | 05-OCT-2006 23:01:44 | Bright | 37.000 | 90 | 54Alp Peg | 2.4870 | 11000. | 74 | 24046 | No |
| 168 | GOM_NL__2PRFIN20061005_230520_000000372051_00445_24046_2373.N1 | 05-OCT-2006 23:05:20 | Bright | 37.000 | 93 | 53Bet Peg | 2.5200 | 3100.0 | 74 | 24046 | No |
| 169 | GOM_NL__2PRFIN20061005_232238_000000342051_00445_24046_2374.N1 | 05-OCT-2006 23:22:38 | Bright | 34.000 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 68 | 24046 | No |
| 170 | GOM_NL__2PRFIN20061005_233043_000000382051_00445_24046_2375.N1 | 05-OCT-2006 23:30:43 | Bright | 37.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 75 | 24046 | No |
| 171 | GOM_NL__2PRFIN20061005_233214_000000352051_00445_24046_2376.N1 | 05-OCT-2006 23:32:14 | Bright | 35.000 | 82 | 48Bet UMa | 2.3650 | 10600. | 70 | 24046 | No |
| 172 | GOM_NL__2PRFIN20061005_233530_000000342051_00445_24046_2377.N1 | 05-OCT-2006 23:35:30 | Bright | 33.500 | 174 | 52Psi UMa | 3.0040 | 4400.0 | 67 | 24046 | No |
| 173 | GOM_NL__2PRFIN20061005_234519_000000342051_00445_24046_2378.N1 | 05-OCT-2006 23:45:19 | Bright | 33.500 | 22 | 32Alp Leo | 1.3600 | 15200. | 67 | 24046 | No |

3. Quality information per product

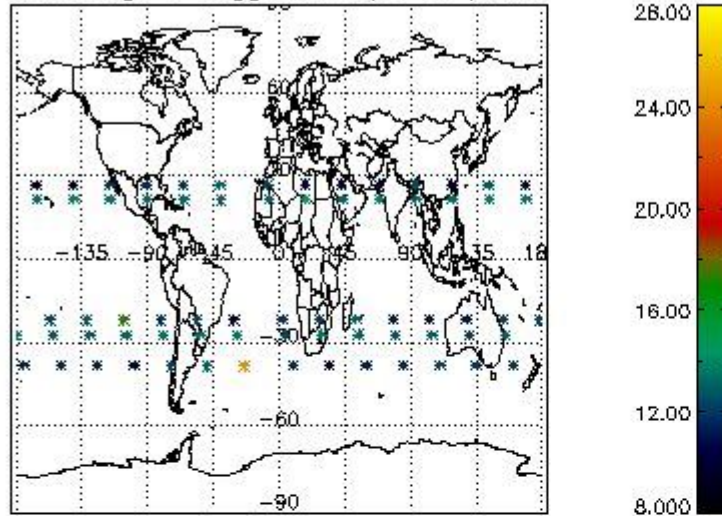
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

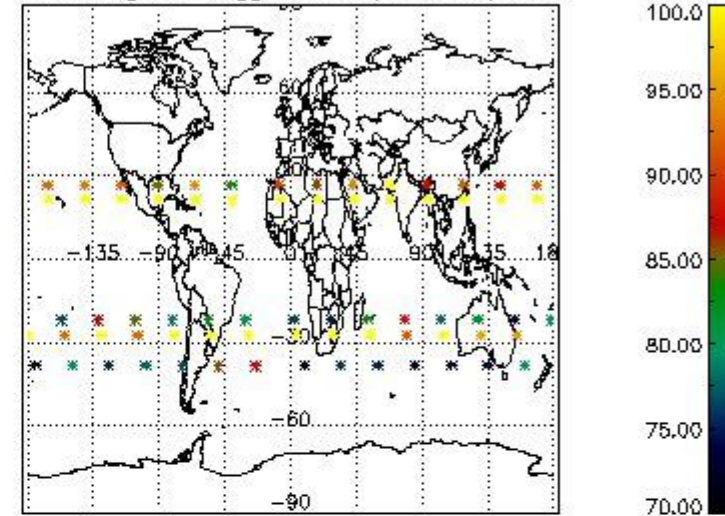


3.2 Plot quality information per product (world map)

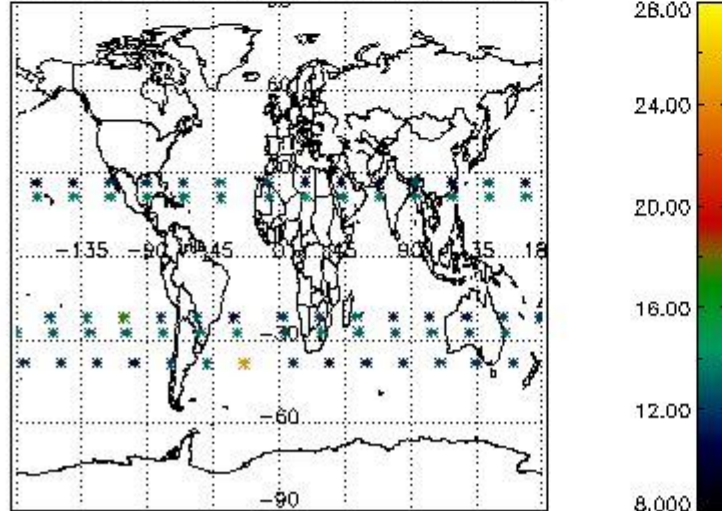
Percentage of flagged data per O3 profile



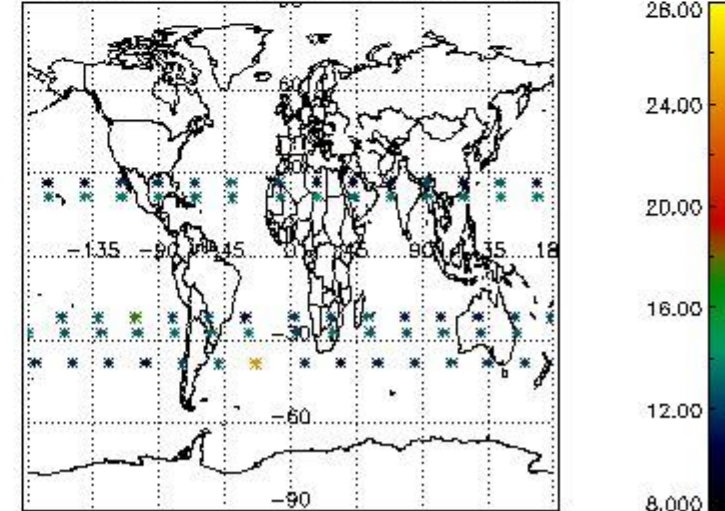
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

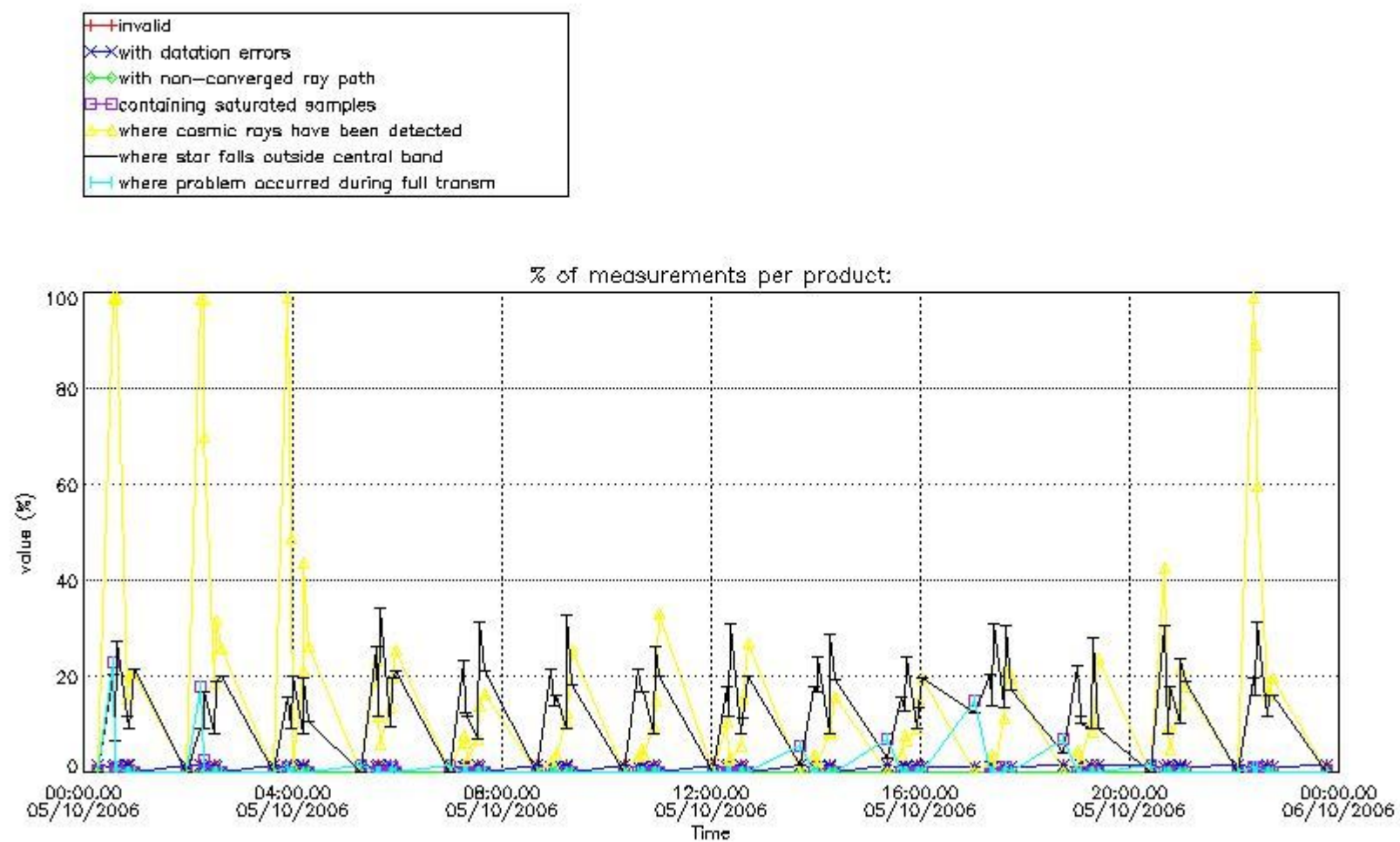


4. Level 1 quality information per product

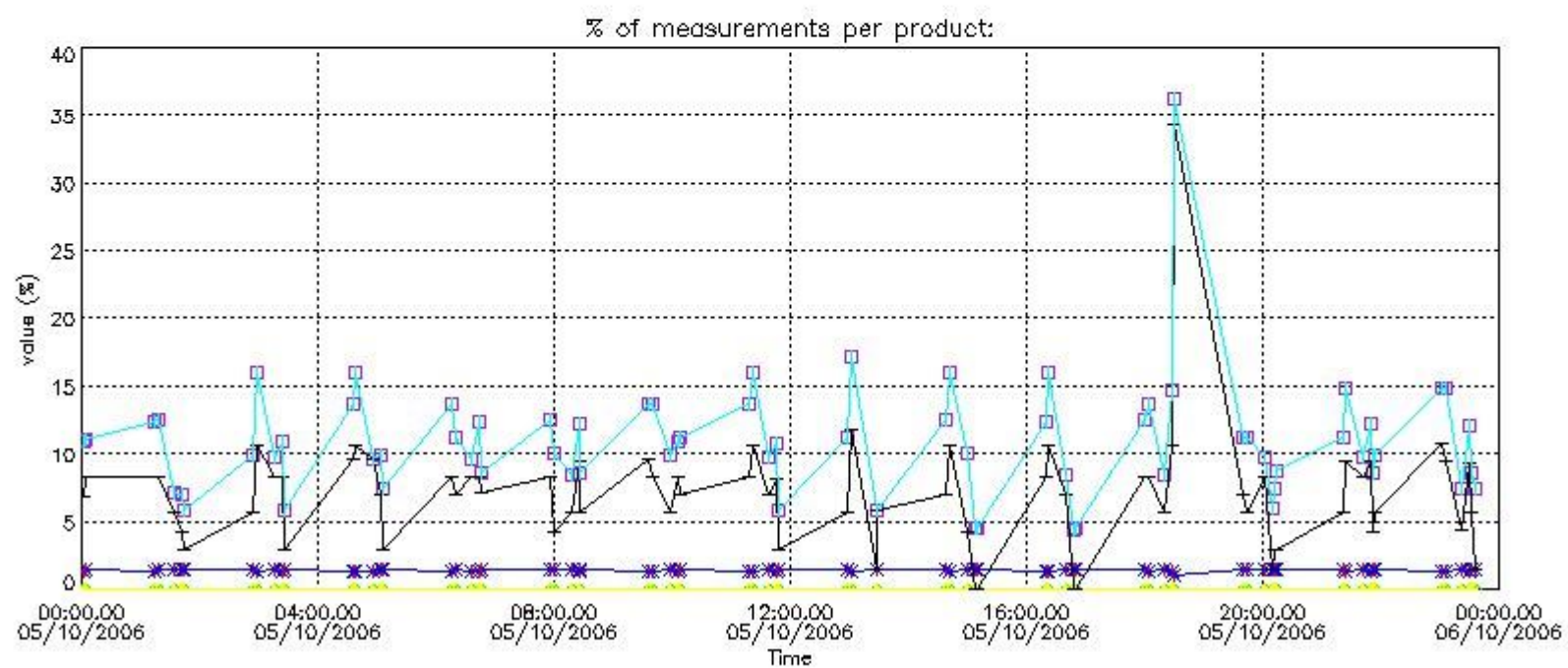
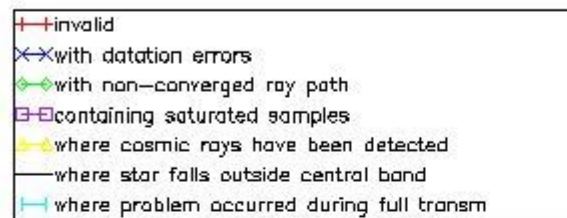
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



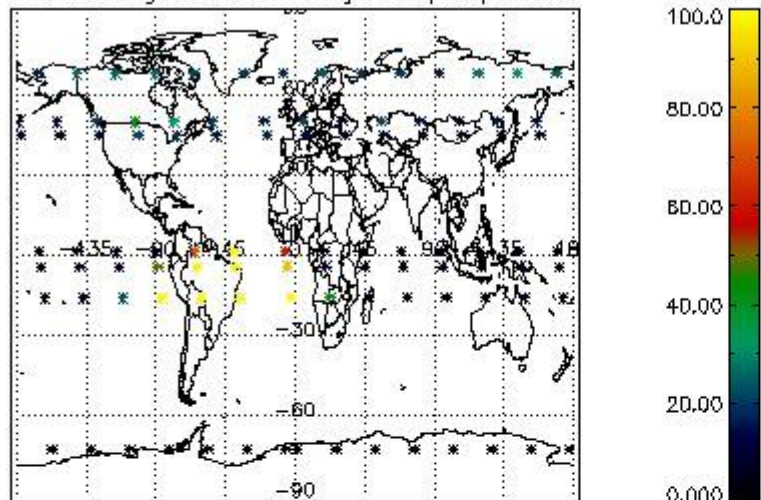
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



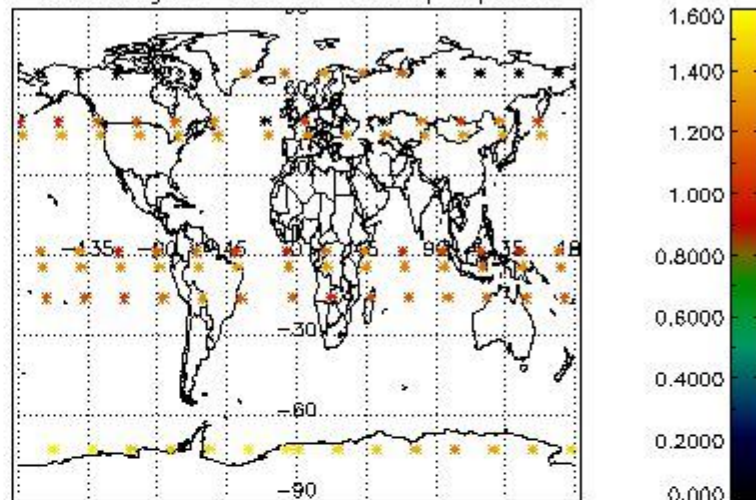
4.2 Plot quality information per product coming from level 1b processing (world map)

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

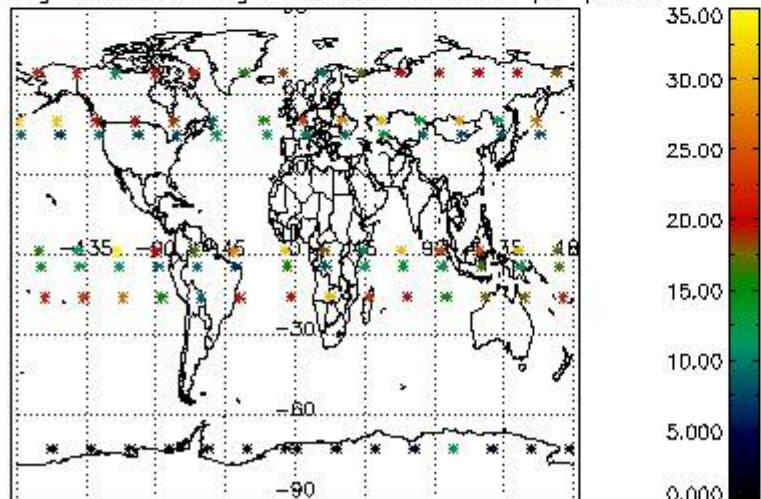
Percentage of cosmic ray hits per profile



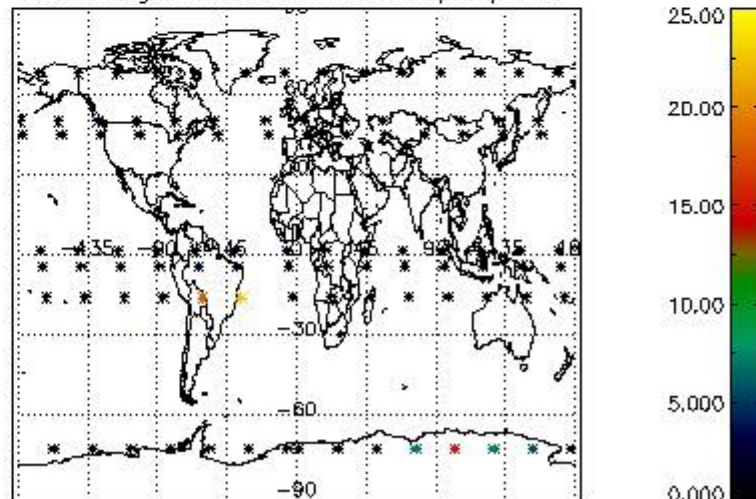
Percentage of datation errors per profile



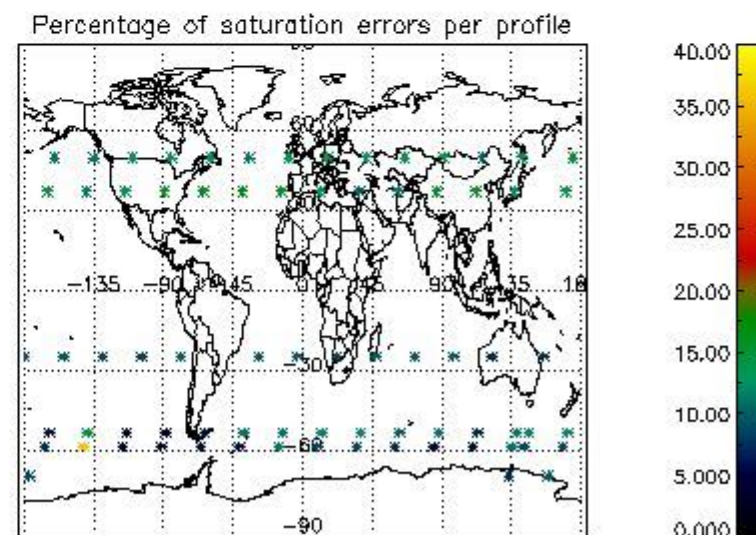
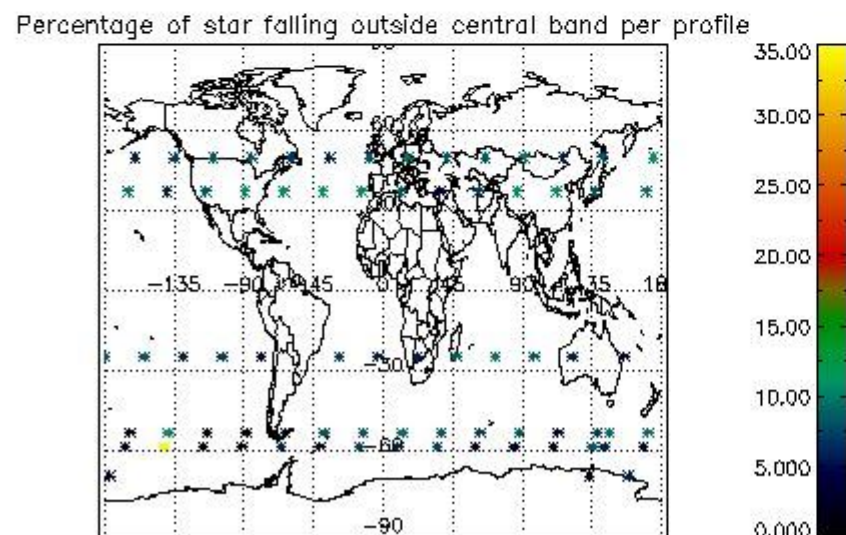
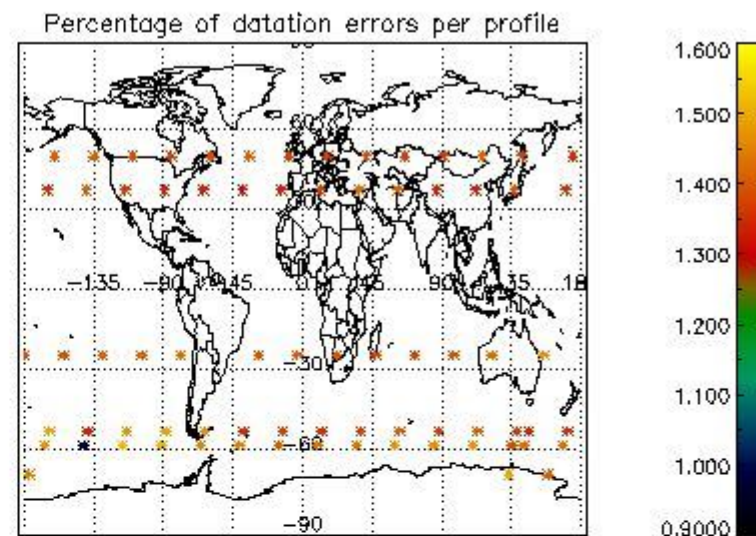
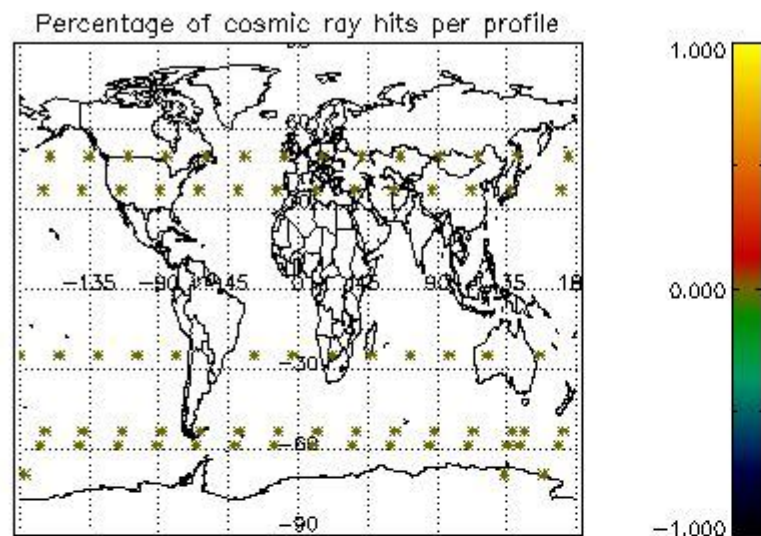
Percentage of star falling outside central band per profile



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

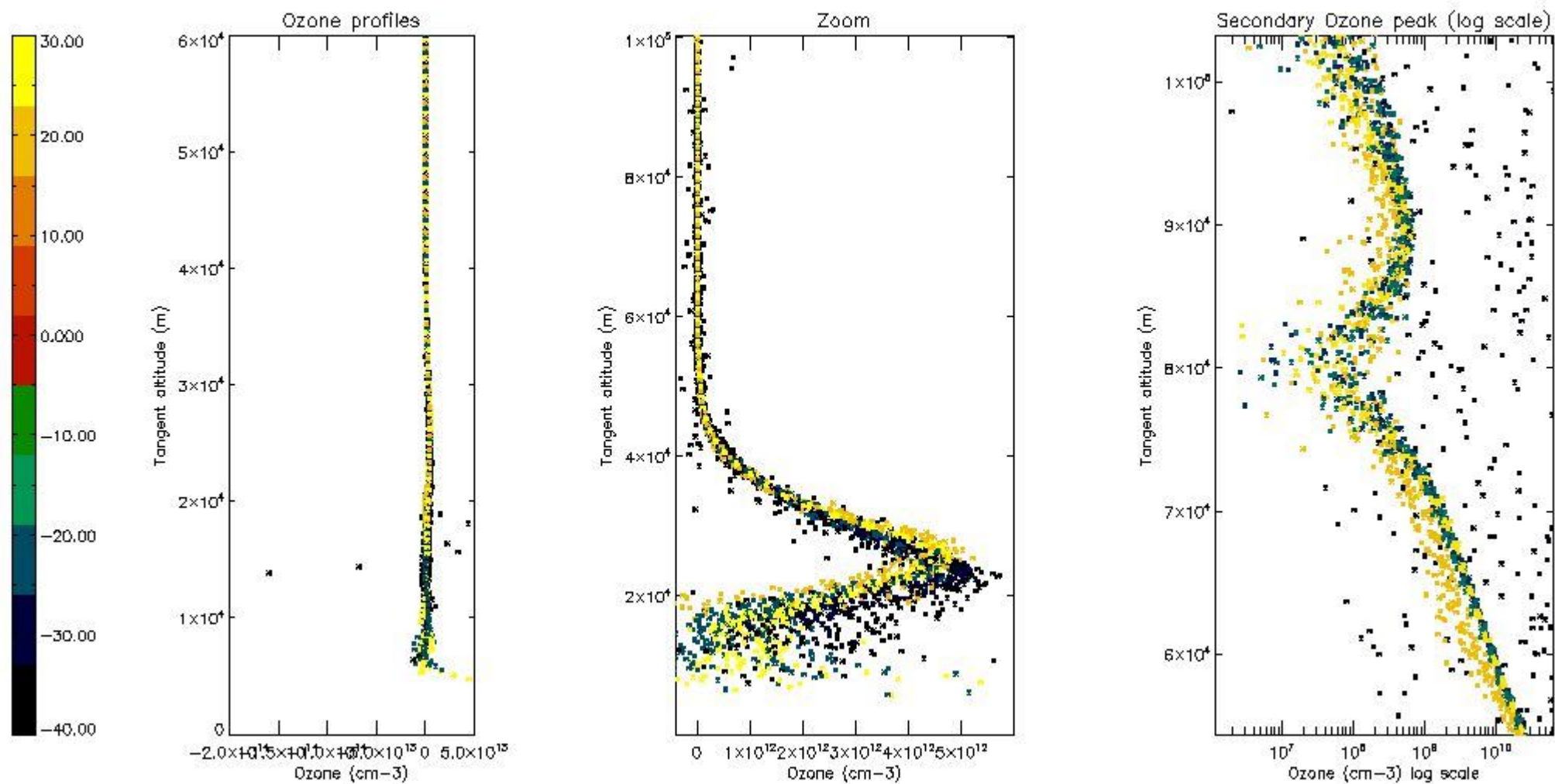
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

| Criteria | % of total production |
|----------|-----------------------|
| All STD | 45 |
| STD < 20 | 23 |

| | |
|----------|----|
| STD < 10 | 18 |
| STD < 5 | 8 |

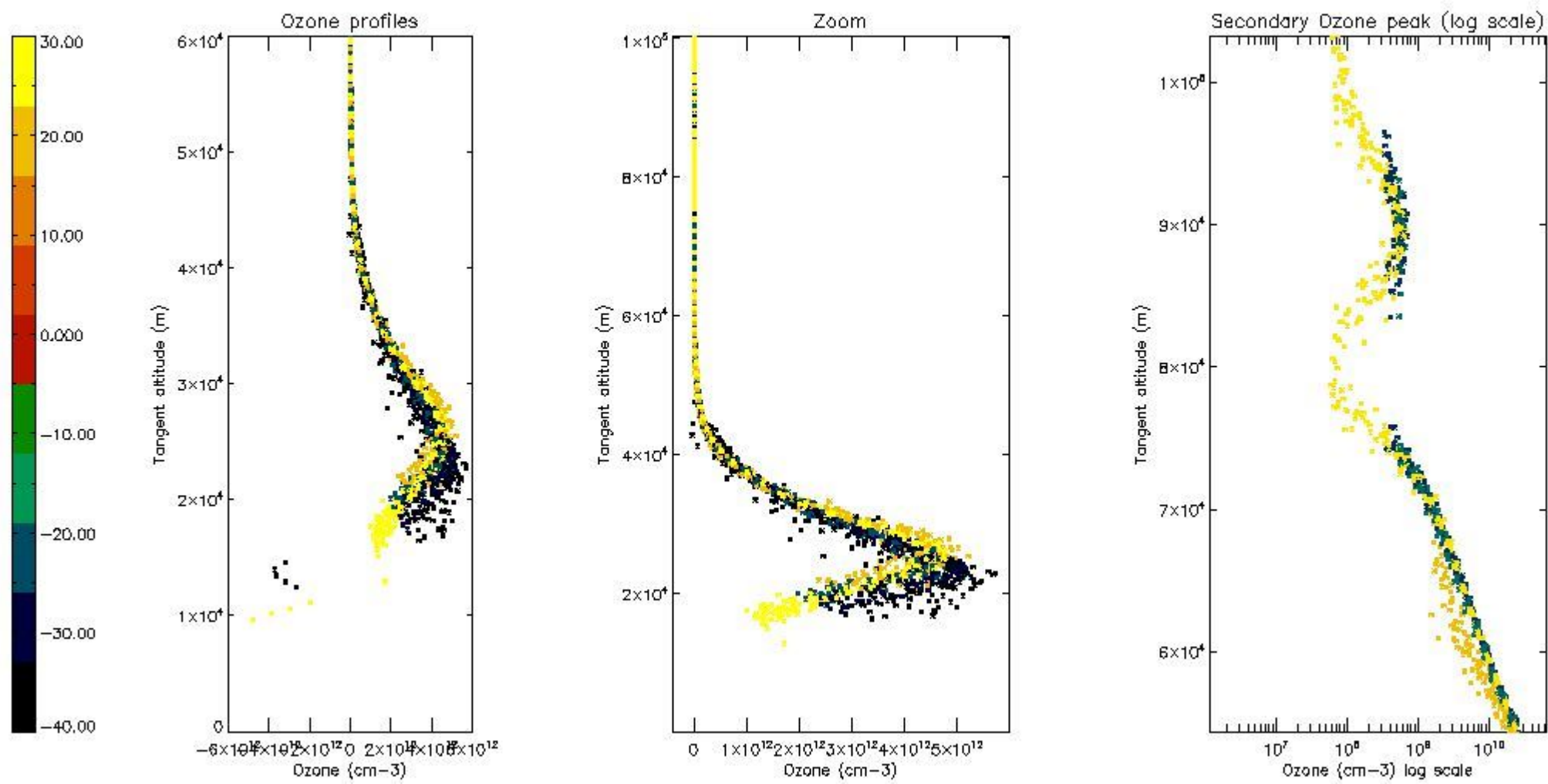
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



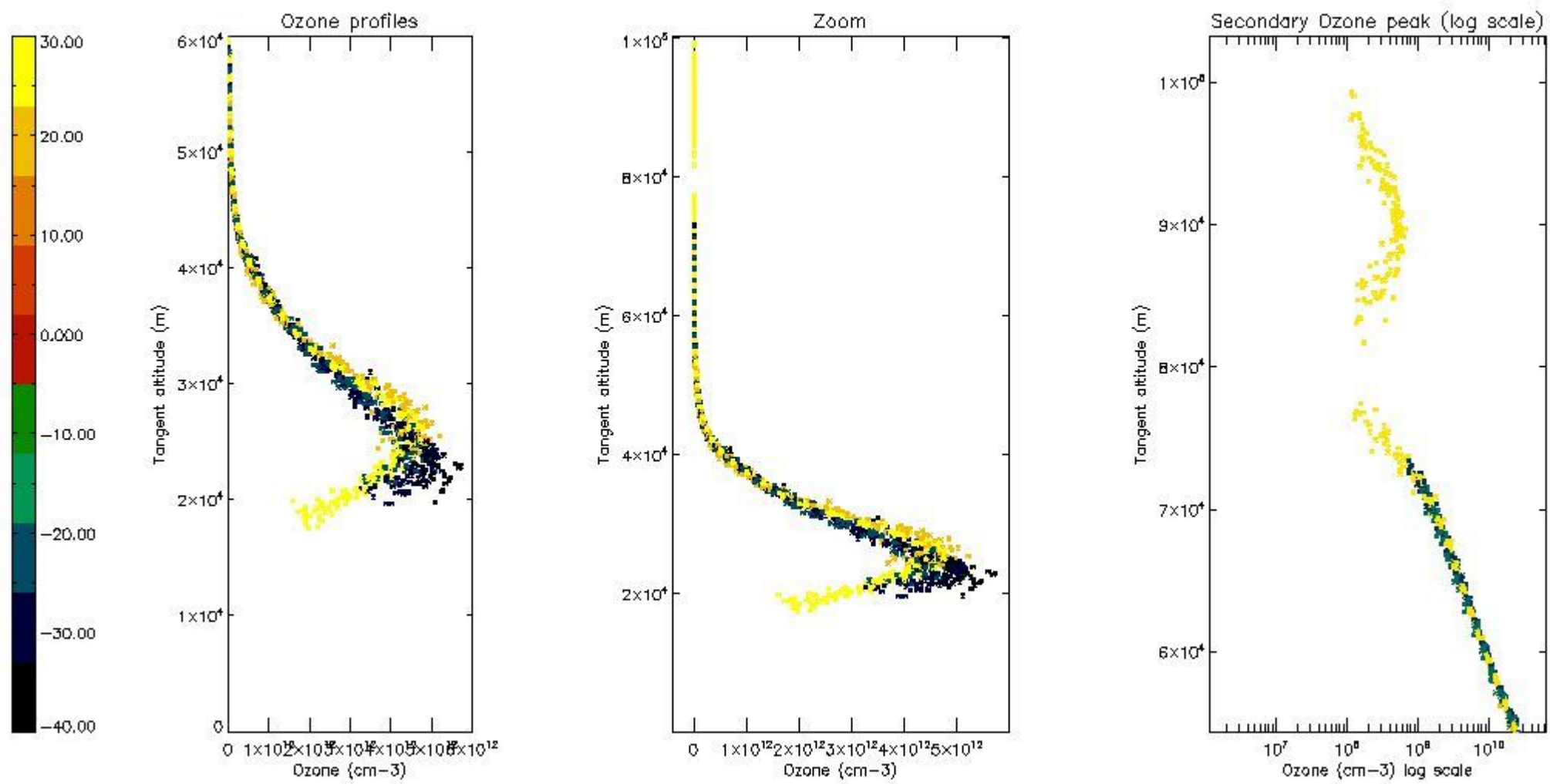
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



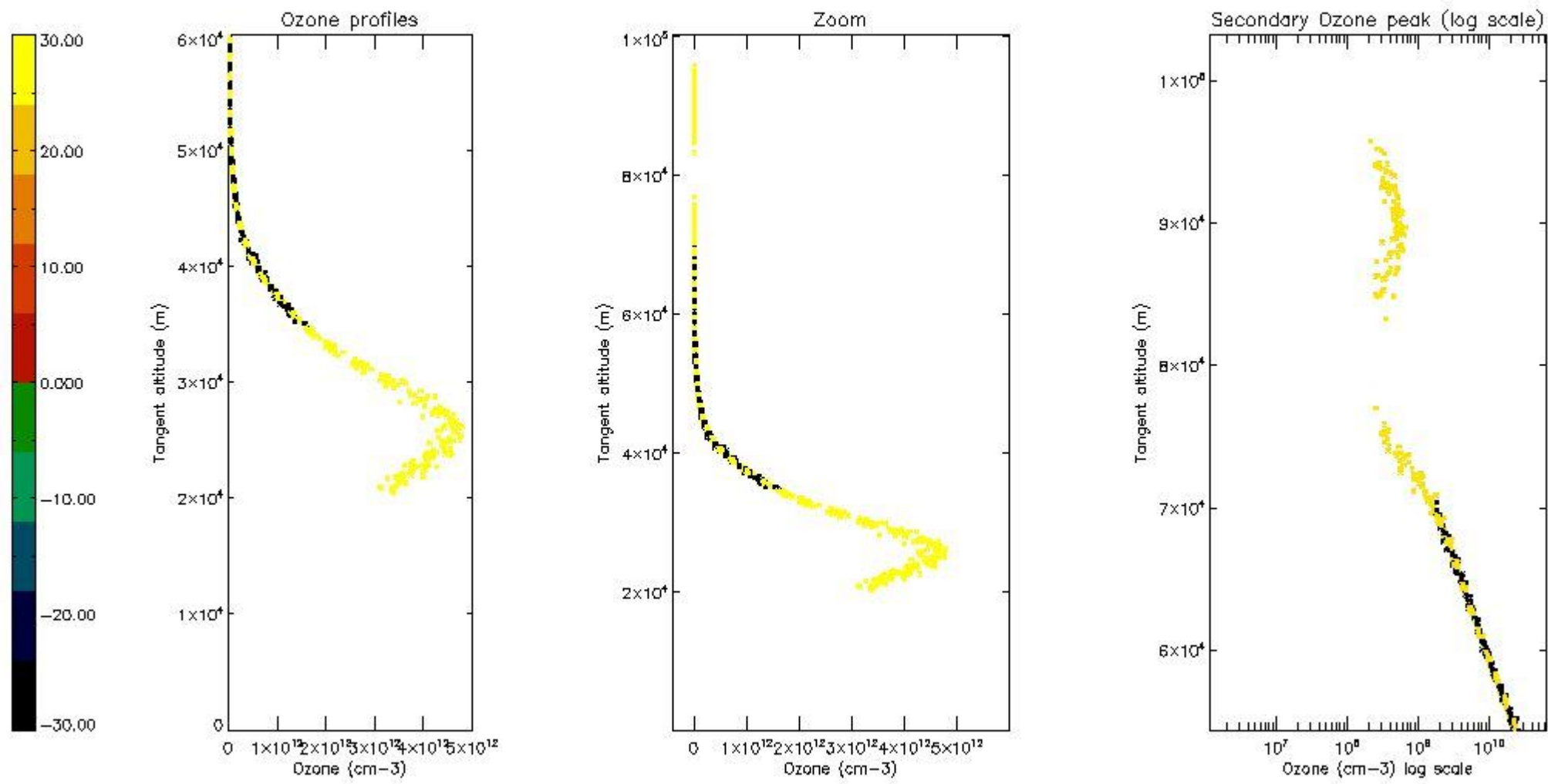
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



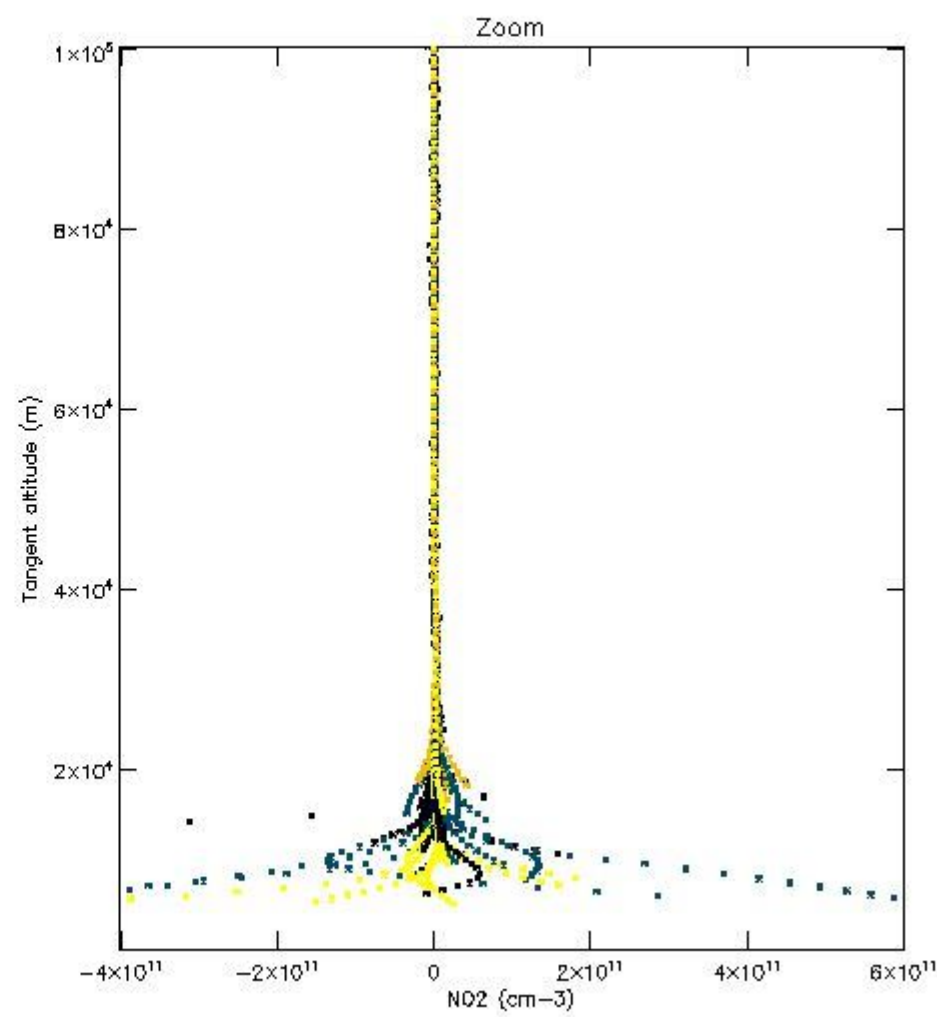
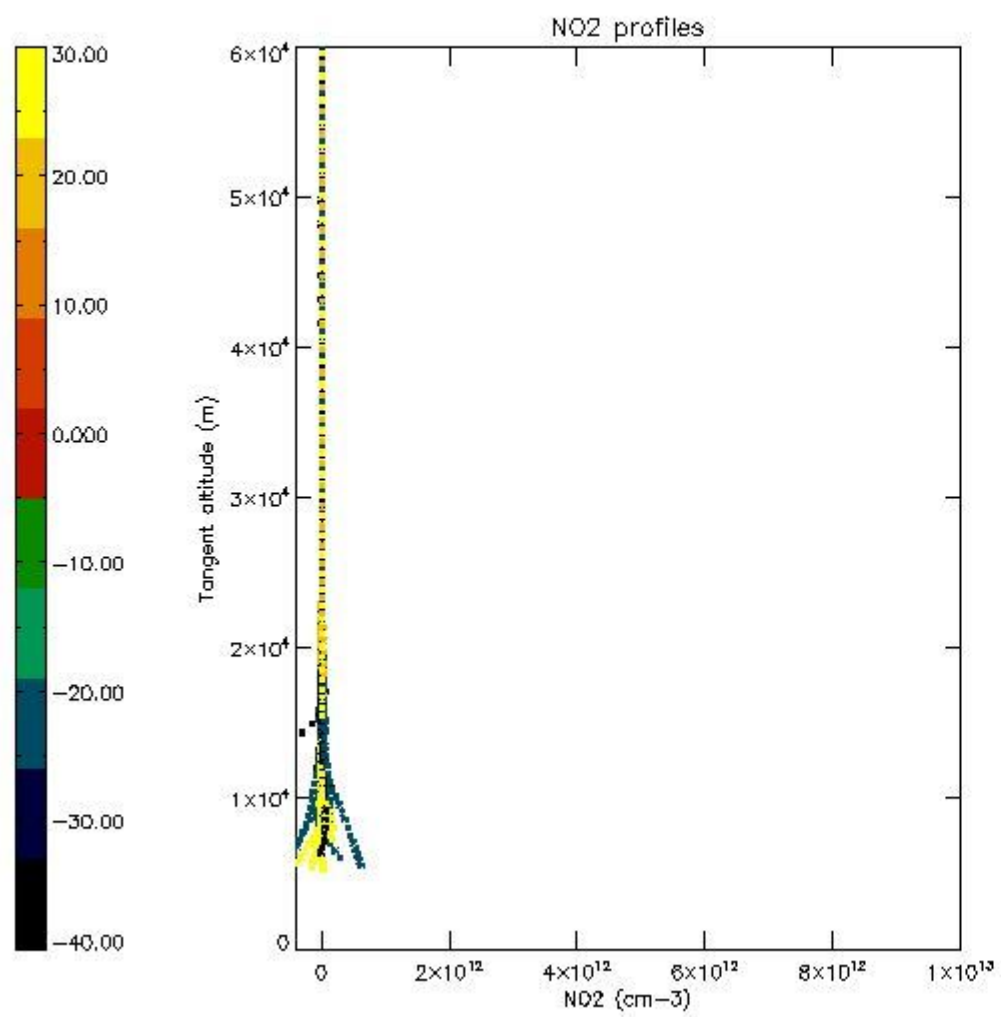
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



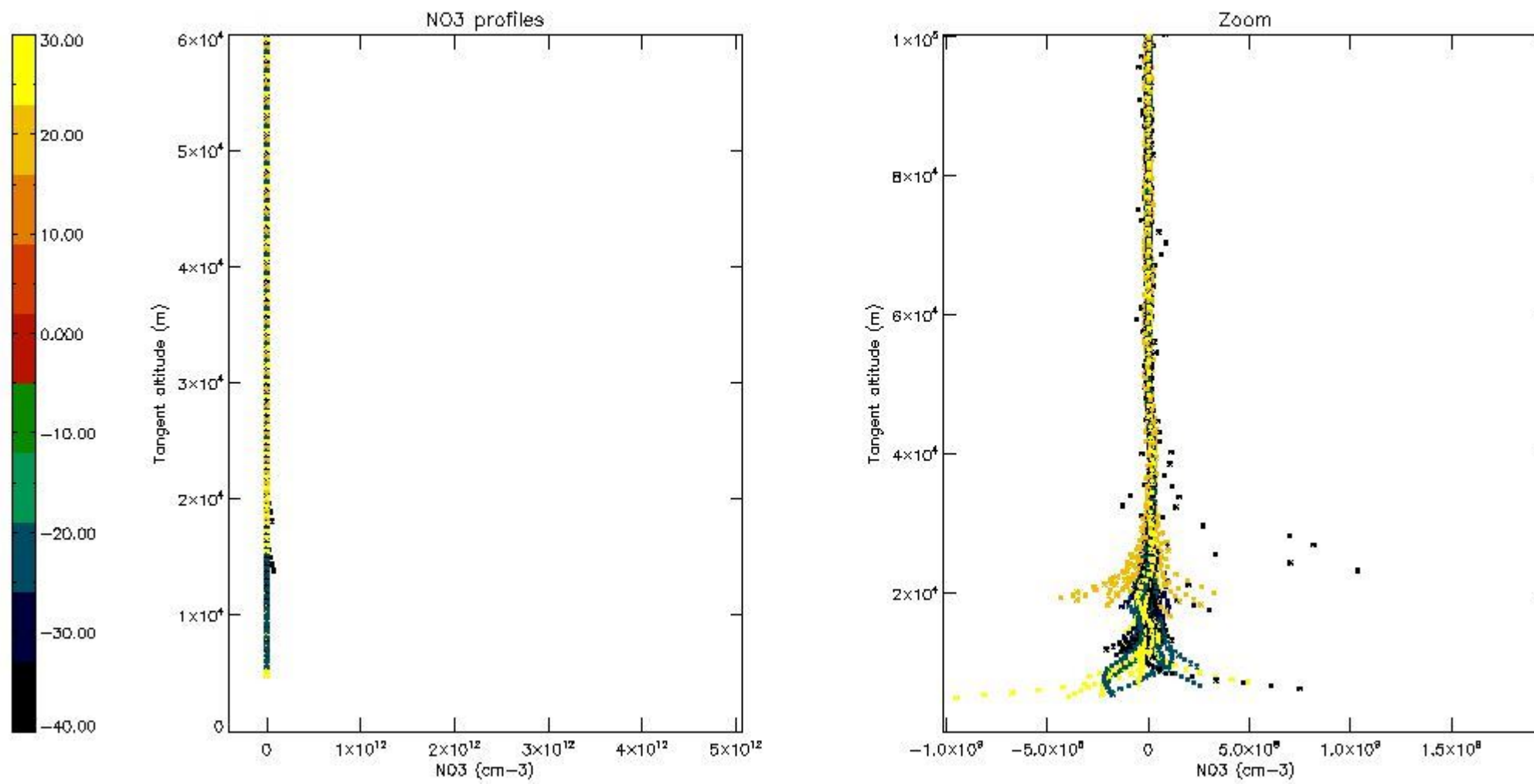
5.6 Plot NO₂ profiles for all STD (dark without errors)

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 | 05-OCT-2006 00:02:18 |
| LEVEL-2_PROC_CONFIG | GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000 | 1 | 05-OCT-2006 00:02:18 |
| CROSS_SECTIONS_FILE | GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000 | 1 | 05-OCT-2006 00:02:18 |

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

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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 | 24APR2013 04:41:26 |
| Data source version | GOMOS/6.01 |
| Start time of products | 05-10-2006 (05OCT2006 00:00:00) |
| Stop time of products | 06-10-2006 (06OCT2006 00:00:00) |
| Store outputs in DB | Yes |
| Nb of level 2 prods | 173 |
| 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__2PRFIN20061005_000218_000000372051_00431_24032_2347.N1 | 05-OCT-2006 00:02:18 | Bright | 36.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 73 | 24032 | No |
| 2 | GOM_NL__2PRFIN20061005_000349_000000362051_00431_24032_2348.N1 | 05-OCT-2006 00:03:49 | Bright | 36.000 | 82 | 48Bet UMa | 2.3650 | 10600. | 72 | 24032 | No |
| 3 | GOM_NL__2PRFIN20061005_001652_000000332051_00431_24032_2349.N1 | 05-OCT-2006 00:16:52 | Bright | 32.500 | 22 | 32Alp Leo | 1.3600 | 15200. | 65 | 24032 | No |
| 4 | GOM_NL__2PRFIN20061005_003312_000000442051_00431_24032_2350.N1 | 05-OCT-2006 00:33:12 | Dark | 44.000 | 65 | Lam Vel | 2.2040 | 4400.0 | 88 | 24032 | No |
| 5 | GOM_NL__2PRFIN20061005_003628_000000382051_00431_24032_2351.N1 | 05-OCT-2006 00:36:28 | Dark | 37.500 | 46 | Del Vel | 1.9540 | 10600. | 75 | 24032 | No |
| 6 | GOM_NL__2PRFIN20061005_003803_000000482051_00432_24033_2703.N1 | 05-OCT-2006 00:38:03 | Dark | 47.500 | 41 | Eps Car | 1.8600 | 4100.0 | 95 | 24033 | No |
| 7 | GOM_NL__2PRFIN20061005_005016_000000392051_00432_24033_2704.N1 | 05-OCT-2006 00:50:16 | Dark | 39.000 | 143 | Alp Hyi | 2.8570 | 7200.0 | 78 | 24033 | No |
| 8 | GOM_NL__2PRFIN20061005_005144_000000392051_00432_24033_2705.N1 | 05-OCT-2006 00:51:44 | Dark | 39.000 | 9 | Alp Eri | 0.45300 | 24000. | 78 | 24033 | No |
| 9 | GOM_NL__2PRFIN20061005_005700_000000442051_00432_24033_2706.N1 | 05-OCT-2006 00:57:00 | Straylight | 44.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 88 | 24033 | No |
| 10 | GOM_NL__2PRFIN20061005_011355_000000372051_00432_24033_2707.N1 | 05-OCT-2006 01:13:55 | Bright | 36.500 | 90 | 54Alp Peg | 2.4870 | 11000. | 73 | 24033 | No |
| 11 | GOM_NL__2PRFIN20061005_011731_000000362051_00432_24033_2708.N1 | 05-OCT-2006 01:17:31 | Bright | 36.000 | 93 | 53Bet Peg | 2.5200 | 3100.0 | 72 | 24033 | No |
| 12 | GOM_NL__2PRFIN20061005_013451_000000352051_00432_24033_2709.N1 | 05-OCT-2006 01:34:51 | Bright | 35.000 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 70 | 24033 | No |
| 13 | GOM_NL__2PRFIN20061005_014254_000000362051_00432_24033_2710.N1 | 05-OCT-2006 01:42:54 | Bright | 35.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 71 | 24033 | No |
| 14 | GOM_NL__2PRFIN20061005_014425_000000342051_00432_24033_2711.N1 | 05-OCT-2006 01:44:25 | Bright | 34.000 | 82 | 48Bet UMa | 2.3650 | 10600. | 68 | 24033 | No |
| 15 | GOM_NL__2PRFIN20061005_015728_000000332051_00432_24033_2712.N1 | 05-OCT-2006 01:57:28 | Bright | 32.500 | 22 | 32Alp Leo | 1.3600 | 15200. | 65 | 24033 | No |
| 16 | GOM_NL__2PRFIN20061005_021348_000000392051_00432_24033_2713.N1 | 05-OCT-2006 02:13:48 | Dark | 39.000 | 65 | Lam Vel | 2.2040 | 4400.0 | 78 | 24033 | No |
| 17 | GOM_NL__2PRFIN20061005_021704_000000382051_00432_24033_2714.N1 | 05-OCT-2006 02:17:04 | Dark | 38.000 | 46 | Del Vel | 1.9540 | 10600. | 76 | 24033 | No |
| 18 | GOM_NL__2PRFIN20061005_021839_000000422051_00433_24034_2343.N1 | 05-OCT-2006 02:18:39 | Dark | 41.500 | 41 | Eps Car | 1.8600 | 4100.0 | 83 | 24034 | No |
| 19 | GOM_NL__2PRFIN20061005_023052_000000382051_00433_24034_2344.N1 | 05-OCT-2006 02:30:52 | Dark | 38.000 | 143 | Alp Hyi | 2.8570 | 7200.0 | 76 | 24034 | No |
| 20 | GOM_NL__2PRFIN20061005_023220_000000432051_00433_24034_2345.N1 | 05-OCT-2006 02:32:20 | Dark | 42.500 | 9 | Alp Eri | 0.45300 | 24000. | 85 | 24034 | No |
| 21 | GOM_NL__2PRFIN20061005_023736_000000432051_00433_24034_2346.N1 | 05-OCT-2006 02:37:36 | Straylight | 42.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 85 | 24034 | No |
| 22 | GOM_NL__2PRFIN20061005_025431_000000362051_00433_24034_2347.N1 | 05-OCT-2006 02:54:31 | Bright | 35.500 | 90 | 54Alp Peg | 2.4870 | 11000. | 71 | 24034 | No |
| 23 | GOM_NL__2PRFIN20061005_025807_000000382051_00433_24034_2348.N1 | 05-OCT-2006 02:58:07 | Bright | 37.500 | 93 | 53Bet Peg | 2.5200 | 3100.0 | 75 | 24034 | No |
| 24 | GOM_NL__2PRFIN20061005_031527_000000362051_00433_24034_2349.N1 | 05-OCT-2006 03:15:27 | Bright | 36.000 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 72 | 24034 | No |
| 25 | GOM_NL__2PRFIN20061005_032330_000000372051_00433_24034_2350.N1 | 05-OCT-2006 03:23:30 | Bright | 36.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 73 | 24034 | No |
| 26 | GOM_NL__2PRFIN20061005_032501_000000342051_00433_24034_2351.N1 | 05-OCT-2006 03:25:01 | Bright | 34.000 | 82 | 48Bet UMa | 2.3650 | 10600. | 68 | 24034 | No |
| 27 | GOM_NL__2PRFIN20061005_033804_000000332051_00433_24034_2352.N1 | 05-OCT-2006 03:38:04 | Bright | 33.000 | 22 | 32Alp Leo | 1.3600 | 15200. | 66 | 24034 | No |
| 28 | GOM_NL__2PRFIN20061005_035425_000000422051_00433_24034_2353.N1 | 05-OCT-2006 03:54:25 | Dark | 41.500 | 65 | Lam Vel | 2.2040 | 4400.0 | 83 | 24034 | No |
| 29 | GOM_NL__2PRFIN20061005_035740_000000382051_00433_24034_2354.N1 | 05-OCT-2006 03:57:40 | Dark | 38.000 | 46 | Del Vel | 1.9540 | 10600. | 76 | 24034 | No |
| 30 | GOM_NL__2PRFIN20061005_035916_000000432051_00434_24035_2343.N1 | 05-OCT-2006 03:59:16 | Dark | 42.500 | 41 | Eps Car | 1.8600 | 4100.0 | 85 | 24035 | No |
| 31 | GOM_NL__2PRFIN20061005_041129_000000382051_00434_24035_2344.N1 | 05-OCT-2006 04:11:29 | Dark | 38.000 | 143 | Alp Hyi | 2.8570 | 7200.0 | 76 | 24035 | No |
| 32 | GOM_NL__2PRFIN20061005_041256_000000442051_00434_24035_2345.N1 | 05-OCT-2006 04:12:56 | Dark | 43.500 | 9 | Alp Eri | 0.45300 | 24000. | 87 | 24035 | No |
| 33 | GOM_NL__2PRFIN20061005_041812_000000382051_00434_24035_2346.N1 | 05-OCT-2006 04:18:12 | Straylight | 38.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 76 | 24035 | No |
| 34 | GOM_NL__2PRFIN20061005_043508_000000372051_00434_24035_2347.N1 | 05-OCT-2006 04:35:08 | Bright | 36.500 | 90 | 54Alp Peg | 2.4870 | 11000. | 73 | 24035 | No |
| 35 | GOM_NL__2PRFIN20061005_043844_000000382051_00434_24035_2348.N1 | 05-OCT-2006 04:38:44 | Bright | 37.500 | 93 | 53Bet Peg | 2.5200 | 3100.0 | 75 | 24035 | No |
| 36 | GOM_NL__2PRFIN20061005_045603_000000372051_00434_24035_2349.N1 | 05-OCT-2006 04:56:03 | Bright | 36.500 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 73 | 24035 | No |
| 37 | GOM_NL__2PRFIN20061005_050407_000000362051_00434_24035_2350.N1 | 05-OCT-2006 05:04:07 | Bright | 35.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 71 | 24035 | No |
| 38 | GOM_NL__2PRFIN20061005_050538_000000342051_00434_24035_2351.N1 | 05-OCT-2006 05:05:38 | Bright | 34.000 | 82 | 48Bet UMa | 2.3650 | 10600. | 68 | 24035 | No |
| 39 | GOM_NL__2PRFIN20061005_051841_000000352051_00434_24035_2352.N1 | 05-OCT-2006 05:18:41 | Bright | 34.500 | 22 | 32Alp Leo | 1.3600 | 15200. | 69 | 24035 | No |
| 40 | GOM_NL__2PRFIN20061005_053501_000000482051_00434_24035_2353.N1 | 05-OCT-2006 05:35:01 | Dark | 47.500 | 65 | Lam Vel | 2.2040 | 4400.0 | 95 | 24035 | No |
| 41 | GOM_NL__2PRFIN20061005_053817_000000392051_00434_24035_2354.N1 | 05-OCT-2006 05:38:17 | Dark | 39.000 | 46 | Del Vel | 1.9540 | 10600. | 78 | 24035 | No |
| 42 | GOM_NL__2PRFIN20061005_053952_000000532051_00435_24036_2343.N1 | 05-OCT-2006 05:39:52 | Dark | 52.500 | 41 | Eps Car | 1.8600 | 4100.0 | 105 | 24036 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|------------|--------|-----|-----------|---------|--------|-----|-------|----|
| 43 | GOM_NL__2PRFIN20061005_055205_000000382051_00435_24036_2344.N1 | 05-OCT-2006 05:52:05 | Dark | 37.500 | 143 | Alp Hyi | 2.8570 | 7200.0 | 75 | 24036 | No |
| 44 | GOM_NL__2PRFIN20061005_055333_000000432051_00435_24036_2345.N1 | 05-OCT-2006 05:53:33 | Dark | 43.000 | 9 | Alp Eri | 0.45300 | 24000. | 86 | 24036 | No |
| 45 | GOM_NL__2PRFIN20061005_055848_000000432051_00435_24036_2346.N1 | 05-OCT-2006 05:58:48 | Straylight | 43.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 86 | 24036 | No |
| 46 | GOM_NL__2PRFIN20061005_061544_000000372051_00435_24036_2347.N1 | 05-OCT-2006 06:15:44 | Bright | 36.500 | 90 | 54Alp Peg | 2.4870 | 11000. | 73 | 24036 | No |
| 47 | GOM_NL__2PRFIN20061005_061920_000000362051_00435_24036_2348.N1 | 05-OCT-2006 06:19:20 | Bright | 35.500 | 93 | 53Bet Peg | 2.5200 | 3100.0 | 71 | 24036 | No |
| 48 | GOM_NL__2PRFIN20061005_063639_000000372051_00435_24036_2349.N1 | 05-OCT-2006 06:36:39 | Bright | 36.500 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 73 | 24036 | No |
| 49 | GOM_NL__2PRFIN20061005_064443_000000372051_00435_24036_2350.N1 | 05-OCT-2006 06:44:43 | Bright | 36.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 73 | 24036 | No |
| 50 | GOM_NL__2PRFIN20061005_064614_000000352051_00435_24036_2351.N1 | 05-OCT-2006 06:46:14 | Bright | 35.000 | 82 | 48Bet UMa | 2.3650 | 10600. | 70 | 24036 | No |
| 51 | GOM_NL__2PRFIN20061005_065917_000000352051_00435_24036_2352.N1 | 05-OCT-2006 06:59:17 | Bright | 34.500 | 22 | 32Alp Leo | 1.3600 | 15200. | 69 | 24036 | No |
| 52 | GOM_NL__2PRFIN20061005_071538_000000452051_00435_24036_2353.N1 | 05-OCT-2006 07:15:38 | Dark | 45.000 | 65 | Lam Vel | 2.2040 | 4400.0 | 90 | 24036 | No |
| 53 | GOM_NL__2PRFIN20061005_071853_000000402051_00435_24036_2354.N1 | 05-OCT-2006 07:18:53 | Dark | 40.000 | 46 | Del Vel | 1.9540 | 10600. | 80 | 24036 | No |
| 54 | GOM_NL__2PRFIN20061005_072029_000000392051_00436_24037_2343.N1 | 05-OCT-2006 07:20:29 | Dark | 39.000 | 41 | Eps Car | 1.8600 | 4100.0 | 78 | 24037 | No |
| 55 | GOM_NL__2PRFIN20061005_073241_000000372051_00436_24037_2344.N1 | 05-OCT-2006 07:32:41 | Dark | 37.000 | 143 | Alp Hyi | 2.8570 | 7200.0 | 74 | 24037 | No |
| 56 | GOM_NL__2PRFIN20061005_073409_000000512051_00436_24037_2345.N1 | 05-OCT-2006 07:34:09 | Dark | 51.000 | 9 | Alp Eri | 0.45300 | 24000. | 102 | 24037 | No |
| 57 | GOM_NL__2PRFIN20061005_073925_000000432051_00436_24037_2346.N1 | 05-OCT-2006 07:39:25 | Straylight | 42.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 85 | 24037 | No |
| 58 | GOM_NL__2PRFIN20061005_075620_000000362051_00436_24037_2347.N1 | 05-OCT-2006 07:56:20 | Bright | 36.000 | 90 | 54Alp Peg | 2.4870 | 11000. | 72 | 24037 | No |
| 59 | GOM_NL__2PRFIN20061005_075956_000000352051_00436_24037_2348.N1 | 05-OCT-2006 07:59:56 | Bright | 35.000 | 93 | 53Bet Peg | 2.5200 | 3100.0 | 70 | 24037 | No |
| 60 | GOM_NL__2PRFIN20061005_081715_000000362051_00436_24037_2349.N1 | 05-OCT-2006 08:17:15 | Bright | 35.500 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 71 | 24037 | No |
| 61 | GOM_NL__2PRFIN20061005_082519_000000372051_00436_24037_2350.N1 | 05-OCT-2006 08:25:19 | Bright | 37.000 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 74 | 24037 | No |
| 62 | GOM_NL__2PRFIN20061005_082650_000000352051_00436_24037_2351.N1 | 05-OCT-2006 08:26:50 | Bright | 35.000 | 82 | 48Bet UMa | 2.3650 | 10600. | 70 | 24037 | No |
| 63 | GOM_NL__2PRFIN20061005_083953_000000332051_00436_24037_2352.N1 | 05-OCT-2006 08:39:53 | Bright | 32.500 | 22 | 32Alp Leo | 1.3600 | 15200. | 65 | 24037 | No |
| 64 | GOM_NL__2PRFIN20061005_085614_000000442051_00436_24037_2353.N1 | 05-OCT-2006 08:56:14 | Dark | 44.000 | 65 | Lam Vel | 2.2040 | 4400.0 | 88 | 24037 | No |
| 65 | GOM_NL__2PRFIN20061005_085930_000000402051_00436_24037_2354.N1 | 05-OCT-2006 08:59:30 | Dark | 39.500 | 46 | Del Vel | 1.9540 | 10600. | 79 | 24037 | No |
| 66 | GOM_NL__2PRFIN20061005_090105_000000412051_00437_24038_2344.N1 | 05-OCT-2006 09:01:05 | Dark | 41.000 | 41 | Eps Car | 1.8600 | 4100.0 | 82 | 24038 | No |
| 67 | GOM_NL__2PRFIN20061005_091318_000000382051_00437_24038_2345.N1 | 05-OCT-2006 09:13:18 | Dark | 38.000 | 143 | Alp Hyi | 2.8570 | 7200.0 | 76 | 24038 | No |
| 68 | GOM_NL__2PRFIN20061005_091445_000000522051_00437_24038_2346.N1 | 05-OCT-2006 09:14:45 | Dark | 52.000 | 9 | Alp Eri | 0.45300 | 24000. | 104 | 24038 | No |
| 69 | GOM_NL__2PRFIN20061005_092001_000000422051_00437_24038_2347.N1 | 05-OCT-2006 09:20:01 | Straylight | 41.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 83 | 24038 | No |
| 70 | GOM_NL__2PRFIN20061005_093656_000000372051_00437_24038_2348.N1 | 05-OCT-2006 09:36:56 | Bright | 36.500 | 90 | 54Alp Peg | 2.4870 | 11000. | 73 | 24038 | No |
| 71 | GOM_NL__2PRFIN20061005_094032_000000372051_00437_24038_2349.N1 | 05-OCT-2006 09:40:32 | Bright | 36.500 | 93 | 53Bet Peg | 2.5200 | 3100.0 | 73 | 24038 | No |
| 72 | GOM_NL__2PRFIN20061005_095751_000000362051_00437_24038_2350.N1 | 05-OCT-2006 09:57:51 | Bright | 35.500 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 71 | 24038 | No |
| 73 | GOM_NL__2PRFIN20061005_100555_000000372051_00437_24038_2351.N1 | 05-OCT-2006 10:05:55 | Bright | 36.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 73 | 24038 | No |
| 74 | GOM_NL__2PRFIN20061005_100726_000000362051_00437_24038_2352.N1 | 05-OCT-2006 10:07:26 | Bright | 35.500 | 82 | 48Bet UMa | 2.3650 | 10600. | 71 | 24038 | No |
| 75 | GOM_NL__2PRFIN20061005_102029_000000322051_00437_24038_2353.N1 | 05-OCT-2006 10:20:29 | Bright | 32.000 | 22 | 32Alp Leo | 1.3600 | 15200. | 64 | 24038 | No |
| 76 | GOM_NL__2PRFIN20061005_103650_000000452051_00437_24038_2354.N1 | 05-OCT-2006 10:36:50 | Dark | 44.500 | 65 | Lam Vel | 2.2040 | 4400.0 | 89 | 24038 | No |
| 77 | GOM_NL__2PRFIN20061005_104006_000000422051_00437_24038_2355.N1 | 05-OCT-2006 10:40:06 | Dark | 41.500 | 46 | Del Vel | 1.9540 | 10600. | 83 | 24038 | No |
| 78 | GOM_NL__2PRFIN20061005_104141_000000422051_00438_24039_2345.N1 | 05-OCT-2006 10:41:41 | Dark | 41.500 | 41 | Eps Car | 1.8600 | 4100.0 | 83 | 24039 | No |
| 79 | GOM_NL__2PRFIN20061005_105354_000000382051_00438_24039_2346.N1 | 05-OCT-2006 10:53:54 | Dark | 37.500 | 143 | Alp Hyi | 2.8570 | 7200.0 | 75 | 24039 | No |
| 80 | GOM_NL__2PRFIN20061005_105522_000000482051_00438_24039_2347.N1 | 05-OCT-2006 10:55:22 | Dark | 47.500 | 9 | Alp Eri | 0.45300 | 24000. | 95 | 24039 | No |
| 81 | GOM_NL__2PRFIN20061005_110037_000000432051_00438_24039_2348.N1 | 05-OCT-2006 11:00:37 | Straylight | 42.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 85 | 24039 | No |
| 82 | GOM_NL__2PRFIN20061005_111732_000000372051_00438_24039_2349.N1 | 05-OCT-2006 11:17:32 | Bright | 36.500 | 90 | 54Alp Peg | 2.4870 | 11000. | 73 | 24039 | No |
| 83 | GOM_NL__2PRFIN20061005_112108_000000382051_00438_24039_2350.N1 | 05-OCT-2006 11:21:08 | Bright | 37.500 | 93 | 53Bet Peg | 2.5200 | 3100.0 | 75 | 24039 | No |
| 84 | GOM_NL__2PRFIN20061005_113827_000000362051_00438_24039_2351.N1 | 05-OCT-2006 11:38:27 | Bright | 36.000 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 72 | 24039 | No |
| 85 | GOM_NL__2PRFIN20061005_114631_000000372051_00438_24039_2352.N1 | 05-OCT-2006 11:46:31 | Bright | 37.000 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 74 | 24039 | No |
| 86 | GOM_NL__2PRFIN20061005_114802_000000352051_00438_24039_2353.N1 | 05-OCT-2006 11:48:02 | Bright | 34.500 | 82 | 48Bet UMa | 2.3650 | 10600. | 69 | 24039 | No |
| 87 | GOM_NL__2PRFIN20061005_120105_000000342051_00438_24039_2354.N1 | 05-OCT-2006 12:01:05 | Bright | 33.500 | 22 | 32Alp Leo | 1.3600 | 15200. | 67 | 24039 | No |
| 88 | GOM_NL__2PRFIN20061005_121726_000000432051_00438_24039_2355.N1 | 05-OCT-2006 12:17:26 | Dark | 42.500 | 65 | Lam Vel | 2.2040 | 4400.0 | 85 | 24039 | No |
| 89 | GOM_NL__2PRFIN20061005_122042_000000392051_00438_24039_2356.N1 | 05-OCT-2006 12:20:42 | Dark | 39.000 | 46 | Del Vel | 1.9540 | 10600. | 78 | 24039 | No |
| 90 | GOM_NL__2PRFIN20061005_122218_000000502051_00439_24040_2346.N1 | 05-OCT-2006 12:22:18 | Dark | 50.000 | 41 | Eps Car | 1.8600 | 4100.0 | 100 | 24040 | No |
| 91 | GOM_NL__2PRFIN20061005_123430_000000372051_00439_24040_2347.N1 | 05-OCT-2006 12:34:30 | Dark | 37.000 | 143 | Alp Hyi | 2.8570 | 7200.0 | 74 | 24040 | No |
| 92 | GOM_NL__2PRFIN20061005_123558_000000402051_00439_24040_2348.N1 | 05-OCT-2006 12:35:58 | Dark | 39.500 | 9 | Alp Eri | 0.45300 | 24000. | 79 | 24040 | No |
| 93 | GOM_NL__2PRFIN20061005_124113_000000432051_00439_24040_2349.N1 | 05-OCT-2006 12:41:13 | Straylight | 42.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 85 | 24040 | No |
| 94 | GOM_NL__2PRFIN20061005_125808_000000362051_00439_24040_2350.N1 | 05-OCT-2006 12:58:08 | Bright | 35.500 | 90 | 54Alp Peg | 2.4870 | 11000. | 71 | 24040 | No |
| 95 | GOM_NL__2PRFIN20061005_130144_000000382051_00439_24040_2351.N1 | 05-OCT-2006 13:01:44 | Bright | 38.000 | 93 | 53Bet Peg | 2.5200 | 3100.0 | 76 | 24040 | No |
| 96 | GOM_NL__2PRFIN20061005_132707_000000342051_00439_24040_2352.N1 | 05-OCT-2006 13:27:07 | Bright | 34.000 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 68 | 24040 | No |
| 97 | GOM_NL__2PRFIN20061005_132838_000000352051_00439_24040_2353.N1 | 05-OCT-2006 13:28:38 | Bright | 34.500 | 82 | 48Bet UMa | 2.3650 | 10600. | 69 | 24040 | No |
| 98 | GOM_NL__2PRFIN20061005_134141_000000362051_00439_24040_2354.N1 | 05-OCT-2006 13:41:41 | Bright | 36.000 | 22 | 32Alp Leo | 1.3600 | 15200. | 72 | 24040 | No |
| 99 | GOM_NL__2PRFIN20061005_135803_000000432051_00439_24040_2355.N1 | 05-OCT-2006 13:58:03 | Dark | 42.500 | 65 | Lam Vel | 2.2040 | 4400.0 | 85 | 24040 | No |
| 100 | GOM_NL__2PRFIN20061005_140118_000000422051_00439_24040_2356.N1 | 05-OCT-2006 14:01:18 | Dark | 42.000 | 46 | Del Vel | 1.9540 | 10600. | 84 | 24040 | No |
| 101 | GOM_NL__2PRFIN20061005_140254_000000462051_00440_24041_2347.N1 | 05-OCT-2006 14:02:54 | Dark | 45.500 | 41 | Eps Car | 1.8600 | 4100.0 | 91 | 24041 | No |

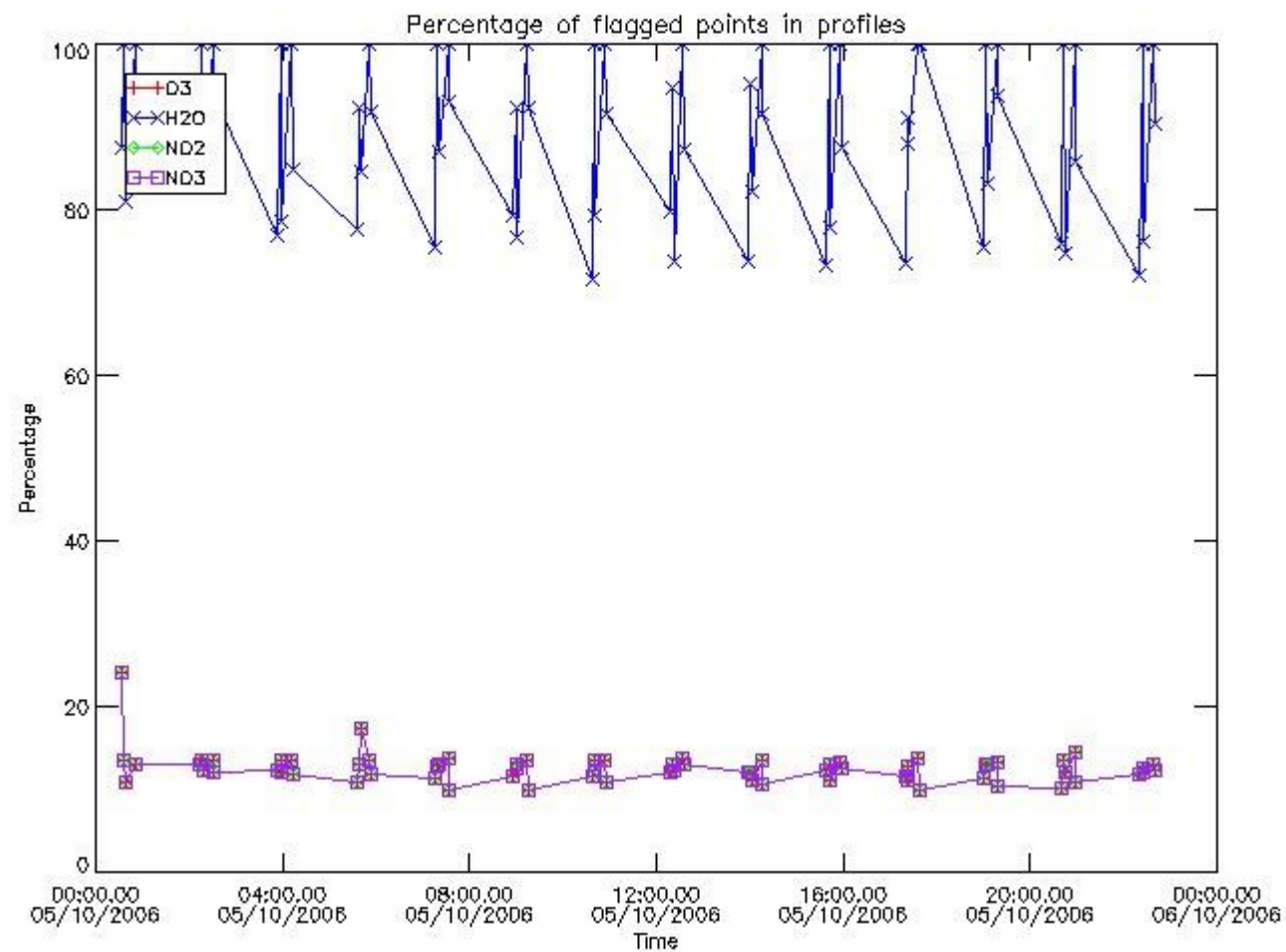
| | | | | | | | | | | | |
|-----|--|----------------------|------------|--------|-----|-----------|---------|--------|-----|-------|----|
| 102 | GOM_NL__2PRFIN20061005_141506_000000382051_00440_24041_2348.N1 | 05-OCT-2006 14:15:06 | Dark | 38.000 | 143 | Alp Hyi | 2.8570 | 7200.0 | 76 | 24041 | No |
| 103 | GOM_NL__2PRFIN20061005_141634_000000492051_00440_24041_2349.N1 | 05-OCT-2006 14:16:34 | Dark | 48.500 | 9 | Alp Eri | 0.45300 | 24000. | 97 | 24041 | No |
| 104 | GOM_NL__2PRFIN20061005_142149_000000422051_00440_24041_2350.N1 | 05-OCT-2006 14:21:49 | Straylight | 41.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 83 | 24041 | No |
| 105 | GOM_NL__2PRFIN20061005_143844_000000362051_00440_24041_2351.N1 | 05-OCT-2006 14:38:44 | Bright | 36.000 | 90 | 54Alp Peg | 2.4870 | 11000. | 72 | 24041 | No |
| 106 | GOM_NL__2PRFIN20061005_144220_000000382051_00440_24041_2352.N1 | 05-OCT-2006 14:42:20 | Bright | 37.500 | 93 | 53Bet Peg | 2.5200 | 3100.0 | 75 | 24041 | No |
| 107 | GOM_NL__2PRFIN20061005_145939_000000352051_00440_24041_2353.N1 | 05-OCT-2006 14:59:39 | Bright | 35.000 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 70 | 24041 | No |
| 108 | GOM_NL__2PRFIN20061005_150743_000000342051_00440_24041_2354.N1 | 05-OCT-2006 15:07:43 | Bright | 33.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 67 | 24041 | No |
| 109 | GOM_NL__2PRFIN20061005_150914_000000332051_00440_24041_2355.N1 | 05-OCT-2006 15:09:14 | Bright | 33.000 | 82 | 48Bet UMa | 2.3650 | 10600. | 66 | 24041 | No |
| 110 | GOM_NL__2PRFIN20061005_152218_000000372051_00440_24041_2356.N1 | 05-OCT-2006 15:22:18 | Bright | 36.500 | 22 | 32Alp Leo | 1.3600 | 15200. | 73 | 24041 | No |
| 111 | GOM_NL__2PRFIN20061005_153839_000000422051_00440_24041_2357.N1 | 05-OCT-2006 15:38:39 | Dark | 41.500 | 65 | Lam Vel | 2.2040 | 4400.0 | 83 | 24041 | No |
| 112 | GOM_NL__2PRFIN20061005_154155_000000402051_00440_24041_2358.N1 | 05-OCT-2006 15:41:55 | Dark | 39.500 | 46 | Del Vel | 1.9540 | 10600. | 79 | 24041 | No |
| 113 | GOM_NL__2PRFIN20061005_154330_000000462051_00441_24042_2367.N1 | 05-OCT-2006 15:43:30 | Dark | 45.500 | 41 | Eps Car | 1.8600 | 4100.0 | 91 | 24042 | No |
| 114 | GOM_NL__2PRFIN20061005_155543_000000392051_00441_24042_2368.N1 | 05-OCT-2006 15:55:43 | Dark | 38.500 | 143 | Alp Hyi | 2.8570 | 7200.0 | 77 | 24042 | No |
| 115 | GOM_NL__2PRFIN20061005_155710_000000412051_00441_24042_2369.N1 | 05-OCT-2006 15:57:10 | Dark | 40.500 | 9 | Alp Eri | 0.45300 | 24000. | 81 | 24042 | No |
| 116 | GOM_NL__2PRFIN20061005_160226_000000432051_00441_24042_2370.N1 | 05-OCT-2006 16:02:26 | Straylight | 43.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 86 | 24042 | No |
| 117 | GOM_NL__2PRFIN20061005_161920_000000372051_00441_24042_2371.N1 | 05-OCT-2006 16:19:20 | Bright | 36.500 | 90 | 54Alp Peg | 2.4870 | 11000. | 73 | 24042 | No |
| 118 | GOM_NL__2PRFIN20061005_162256_000000382051_00441_24042_2372.N1 | 05-OCT-2006 16:22:56 | Bright | 37.500 | 93 | 53Bet Peg | 2.5200 | 3100.0 | 75 | 24042 | No |
| 119 | GOM_NL__2PRFIN20061005_164015_000000362051_00441_24042_2373.N1 | 05-OCT-2006 16:40:15 | Bright | 35.500 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 71 | 24042 | No |
| 120 | GOM_NL__2PRFIN20061005_164819_000000342051_00441_24042_2374.N1 | 05-OCT-2006 16:48:19 | Bright | 34.000 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 68 | 24042 | No |
| 121 | GOM_NL__2PRFIN20061005_164950_000000332051_00441_24042_2375.N1 | 05-OCT-2006 16:49:50 | Bright | 33.000 | 82 | 48Bet UMa | 2.3650 | 10600. | 66 | 24042 | No |
| 122 | GOM_NL__2PRFIN20061005_170254_000000402051_00441_24042_2376.N1 | 05-OCT-2006 17:02:54 | Bright | 40.000 | 22 | 32Alp Leo | 1.3600 | 15200. | 80 | 24042 | No |
| 123 | GOM_NL__2PRFIN20061005_171916_000000442051_00441_24042_2377.N1 | 05-OCT-2006 17:19:16 | Dark | 44.000 | 65 | Lam Vel | 2.2040 | 4400.0 | 88 | 24042 | No |
| 124 | GOM_NL__2PRFIN20061005_172231_000000402051_00441_24042_2378.N1 | 05-OCT-2006 17:22:31 | Dark | 40.000 | 46 | Del Vel | 1.9540 | 10600. | 80 | 24042 | No |
| 125 | GOM_NL__2PRFIN20061005_172407_000000502051_00442_24043_2367.N1 | 05-OCT-2006 17:24:07 | Dark | 50.000 | 41 | Eps Car | 1.8600 | 4100.0 | 100 | 24043 | No |
| 126 | GOM_NL__2PRFIN20061005_173619_000000412051_00442_24043_2368.N1 | 05-OCT-2006 17:36:19 | Dark | 40.500 | 143 | Alp Hyi | 2.8570 | 7200.0 | 81 | 24043 | No |
| 127 | GOM_NL__2PRFIN20061005_173747_000000512051_00442_24043_2369.N1 | 05-OCT-2006 17:37:47 | Dark | 50.500 | 9 | Alp Eri | 0.45300 | 24000. | 101 | 24043 | No |
| 128 | GOM_NL__2PRFIN20061005_174302_000000412051_00442_24043_2370.N1 | 05-OCT-2006 17:43:02 | Straylight | 41.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 82 | 24043 | No |
| 129 | GOM_NL__2PRFIN20061005_175956_000000362051_00442_24043_2371.N1 | 05-OCT-2006 17:59:56 | Bright | 36.000 | 90 | 54Alp Peg | 2.4870 | 11000. | 72 | 24043 | No |
| 130 | GOM_NL__2PRFIN20061005_180332_000000372051_00442_24043_2372.N1 | 05-OCT-2006 18:03:32 | Bright | 36.500 | 93 | 53Bet Peg | 2.5200 | 3100.0 | 73 | 24043 | No |
| 131 | GOM_NL__2PRFIN20061005_182051_000000362051_00442_24043_2373.N1 | 05-OCT-2006 18:20:51 | Bright | 35.500 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 71 | 24043 | No |
| 132 | GOM_NL__2PRFIN20061005_182855_000000382051_00442_24043_2374.N1 | 05-OCT-2006 18:28:55 | Bright | 37.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 75 | 24043 | No |
| 133 | GOM_NL__2PRFIN20061005_183026_000000512051_00442_24043_2375.N1 | 05-OCT-2006 18:30:26 | Bright | 51.000 | 82 | 48Bet UMa | 2.3650 | 10600. | 102 | 24043 | No |
| 134 | GOM_NL__2PRFIN20061005_184330_000000362051_00442_24043_2376.N1 | 05-OCT-2006 18:43:30 | Bright | 36.000 | 22 | 32Alp Leo | 1.3600 | 15200. | 72 | 24043 | No |
| 135 | GOM_NL__2PRFIN20061005_185952_000000452051_00442_24043_2377.N1 | 05-OCT-2006 18:59:52 | Dark | 45.000 | 65 | Lam Vel | 2.2040 | 4400.0 | 90 | 24043 | No |
| 136 | GOM_NL__2PRFIN20061005_190307_000000392051_00442_24043_2378.N1 | 05-OCT-2006 19:03:07 | Dark | 39.000 | 46 | Del Vel | 1.9540 | 10600. | 78 | 24043 | No |
| 137 | GOM_NL__2PRFIN20061005_190443_000000392051_00443_24044_2367.N1 | 05-OCT-2006 19:04:43 | Dark | 39.000 | 41 | Eps Car | 1.8600 | 4100.0 | 78 | 24044 | No |
| 138 | GOM_NL__2PRFIN20061005_191656_000000392051_00443_24044_2368.N1 | 05-OCT-2006 19:16:56 | Dark | 38.500 | 143 | Alp Hyi | 2.8570 | 7200.0 | 77 | 24044 | No |
| 139 | GOM_NL__2PRFIN20061005_191823_000000492051_00443_24044_2369.N1 | 05-OCT-2006 19:18:23 | Dark | 48.500 | 9 | Alp Eri | 0.45300 | 24000. | 97 | 24044 | No |
| 140 | GOM_NL__2PRFIN20061005_192338_000000382051_00443_24044_2370.N1 | 05-OCT-2006 19:23:38 | Straylight | 38.000 | 84 | Alp Phe | 2.3970 | 4500.0 | 76 | 24044 | No |
| 141 | GOM_NL__2PRFIN20061005_194032_000000362051_00443_24044_2371.N1 | 05-OCT-2006 19:40:32 | Bright | 35.500 | 90 | 54Alp Peg | 2.4870 | 11000. | 71 | 24044 | No |
| 142 | GOM_NL__2PRFIN20061005_194408_000000362051_00443_24044_2372.N1 | 05-OCT-2006 19:44:08 | Bright | 35.500 | 93 | 53Bet Peg | 2.5200 | 3100.0 | 71 | 24044 | No |
| 143 | GOM_NL__2PRFIN20061005_200127_000000362051_00443_24044_2373.N1 | 05-OCT-2006 20:01:27 | Bright | 36.000 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 72 | 24044 | No |
| 144 | GOM_NL__2PRFIN20061005_200931_000000342051_00443_24044_2374.N1 | 05-OCT-2006 20:09:31 | Bright | 33.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 67 | 24044 | No |
| 145 | GOM_NL__2PRFIN20061005_201102_000000342051_00443_24044_2375.N1 | 05-OCT-2006 20:11:02 | Bright | 34.000 | 82 | 48Bet UMa | 2.3650 | 10600. | 68 | 24044 | No |
| 146 | GOM_NL__2PRFIN20061005_201418_000000352051_00443_24044_2376.N1 | 05-OCT-2006 20:14:18 | Bright | 34.500 | 174 | 52Psi UMa | 3.0040 | 4400.0 | 69 | 24044 | No |
| 147 | GOM_NL__2PRFIN20061005_202406_000000352051_00443_24044_2377.N1 | 05-OCT-2006 20:24:06 | Bright | 34.500 | 22 | 32Alp Leo | 1.3600 | 15200. | 69 | 24044 | No |
| 148 | GOM_NL__2PRFIN20061005_204028_000000512051_00443_24044_2378.N1 | 05-OCT-2006 20:40:28 | Dark | 50.500 | 65 | Lam Vel | 2.2040 | 4400.0 | 101 | 24044 | No |
| 149 | GOM_NL__2PRFIN20061005_204344_000000382051_00443_24044_2379.N1 | 05-OCT-2006 20:43:44 | Dark | 37.500 | 46 | Del Vel | 1.9540 | 10600. | 75 | 24044 | No |
| 150 | GOM_NL__2PRFIN20061005_204519_000000422051_00444_24045_2367.N1 | 05-OCT-2006 20:45:19 | Dark | 42.000 | 41 | Eps Car | 1.8600 | 4100.0 | 84 | 24045 | No |
| 151 | GOM_NL__2PRFIN20061005_205732_000000392051_00444_24045_2368.N1 | 05-OCT-2006 20:57:32 | Dark | 39.000 | 143 | Alp Hyi | 2.8570 | 7200.0 | 78 | 24045 | No |
| 152 | GOM_NL__2PRFIN20061005_205859_000000472051_00444_24045_2369.N1 | 05-OCT-2006 20:58:59 | Dark | 46.500 | 9 | Alp Eri | 0.45300 | 24000. | 93 | 24045 | No |
| 153 | GOM_NL__2PRFIN20061005_210414_000000432051_00444_24045_2370.N1 | 05-OCT-2006 21:04:14 | Straylight | 42.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 85 | 24045 | No |
| 154 | GOM_NL__2PRFIN20061005_212108_000000362051_00444_24045_2371.N1 | 05-OCT-2006 21:21:08 | Bright | 35.500 | 90 | 54Alp Peg | 2.4870 | 11000. | 71 | 24045 | No |
| 155 | GOM_NL__2PRFIN20061005_212444_000000372051_00444_24045_2372.N1 | 05-OCT-2006 21:24:44 | Bright | 37.000 | 93 | 53Bet Peg | 2.5200 | 3100.0 | 74 | 24045 | No |
| 156 | GOM_NL__2PRFIN20061005_214203_000000362051_00444_24045_2373.N1 | 05-OCT-2006 21:42:03 | Bright | 36.000 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 72 | 24045 | No |
| 157 | GOM_NL__2PRFIN20061005_215007_000000372051_00444_24045_2374.N1 | 05-OCT-2006 21:50:07 | Bright | 37.000 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 74 | 24045 | No |
| 158 | GOM_NL__2PRFIN20061005_215138_000000352051_00444_24045_2375.N1 | 05-OCT-2006 21:51:38 | Bright | 35.000 | 82 | 48Bet UMa | 2.3650 | 10600. | 70 | 24045 | No |
| 159 | GOM_NL__2PRFIN20061005_215454_000000362051_00444_24045_2376.N1 | 05-OCT-2006 21:54:54 | Bright | 35.500 | 174 | 52Psi UMa | 3.0040 | 4400.0 | 71 | 24045 | No |
| 160 | GOM_NL__2PRFIN20061005_220443_000000342051_00444_24045_2377.N1 | 05-OCT-2006 22:04:43 | Bright | 33.500 | 22 | 32Alp Leo | 1.3600 | 15200. | 67 | 24045 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|------------|--------|-----|-----------|---------|--------|-----|-------|----|
| 161 | GOM_NL__2PRFIN20061005_222105_000000442051_00444_24045_2378.N1 | 05-OCT-2006 22:21:05 | Dark | 43.500 | 65 | Lam Vel | 2.2040 | 4400.0 | 87 | 24045 | No |
| 162 | GOM_NL__2PRFIN20061005_222420_000000412051_00444_24045_2379.N1 | 05-OCT-2006 22:24:20 | Dark | 41.000 | 46 | Del Vel | 1.9540 | 10600. | 82 | 24045 | No |
| 163 | GOM_NL__2PRFIN20061005_222556_000000512051_00445_24046_2368.N1 | 05-OCT-2006 22:25:56 | Dark | 51.000 | 41 | Eps Car | 1.8600 | 4100.0 | 102 | 24046 | No |
| 164 | GOM_NL__2PRFIN20061005_223808_000000392051_00445_24046_2369.N1 | 05-OCT-2006 22:38:08 | Dark | 39.000 | 143 | Alp Hyi | 2.8570 | 7200.0 | 78 | 24046 | No |
| 165 | GOM_NL__2PRFIN20061005_223935_000000412051_00445_24046_2370.N1 | 05-OCT-2006 22:39:35 | Dark | 41.000 | 9 | Alp Eri | 0.45300 | 24000. | 82 | 24046 | No |
| 166 | GOM_NL__2PRFIN20061005_224450_000000412051_00445_24046_2371.N1 | 05-OCT-2006 22:44:50 | Straylight | 40.500 | 84 | Alp Phe | 2.3970 | 4500.0 | 81 | 24046 | No |
| 167 | GOM_NL__2PRFIN20061005_230144_000000372051_00445_24046_2372.N1 | 05-OCT-2006 23:01:44 | Bright | 37.000 | 90 | 54Alp Peg | 2.4870 | 11000. | 74 | 24046 | No |
| 168 | GOM_NL__2PRFIN20061005_230520_000000372051_00445_24046_2373.N1 | 05-OCT-2006 23:05:20 | Bright | 37.000 | 93 | 53Bet Peg | 2.5200 | 3100.0 | 74 | 24046 | No |
| 169 | GOM_NL__2PRFIN20061005_232238_000000342051_00445_24046_2374.N1 | 05-OCT-2006 23:22:38 | Bright | 34.000 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 68 | 24046 | No |
| 170 | GOM_NL__2PRFIN20061005_233043_000000382051_00445_24046_2375.N1 | 05-OCT-2006 23:30:43 | Bright | 37.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 75 | 24046 | No |
| 171 | GOM_NL__2PRFIN20061005_233214_000000352051_00445_24046_2376.N1 | 05-OCT-2006 23:32:14 | Bright | 35.000 | 82 | 48Bet UMa | 2.3650 | 10600. | 70 | 24046 | No |
| 172 | GOM_NL__2PRFIN20061005_233530_000000342051_00445_24046_2377.N1 | 05-OCT-2006 23:35:30 | Bright | 33.500 | 174 | 52Psi UMa | 3.0040 | 4400.0 | 67 | 24046 | No |
| 173 | GOM_NL__2PRFIN20061005_234519_000000342051_00445_24046_2378.N1 | 05-OCT-2006 23:45:19 | Bright | 33.500 | 22 | 32Alp Leo | 1.3600 | 15200. | 67 | 24046 | No |

3. Quality information per product

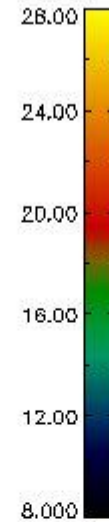
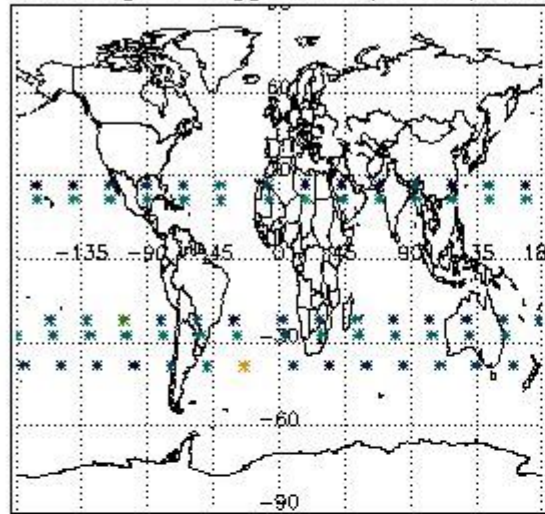
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

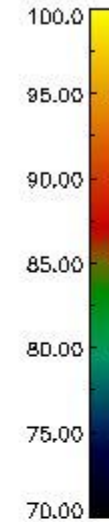
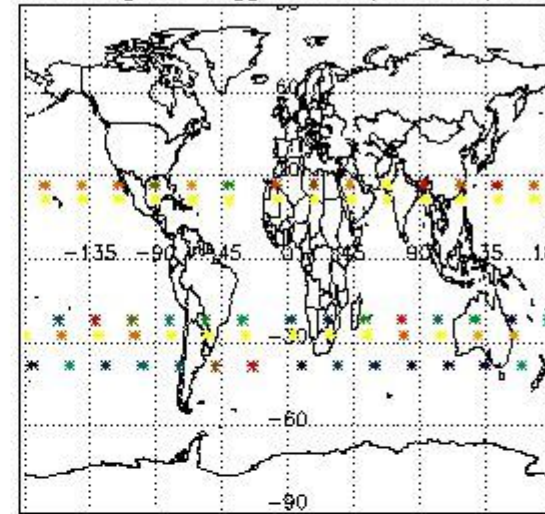


3.2 Plot quality information per product (world map)

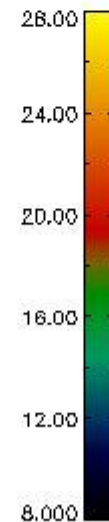
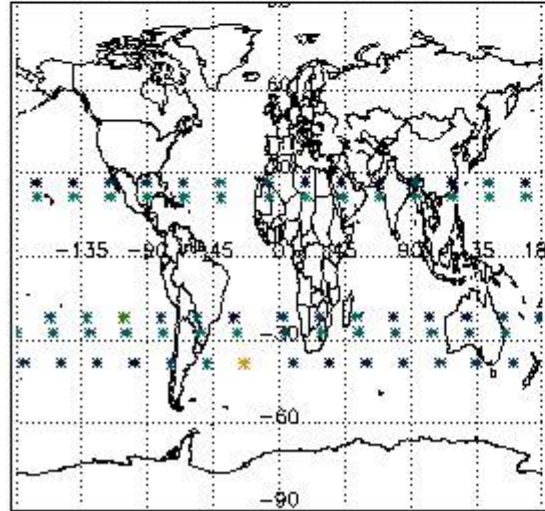
Percentage of flagged data per O3 profile



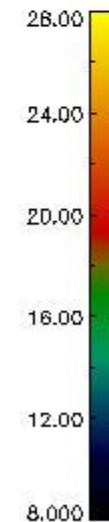
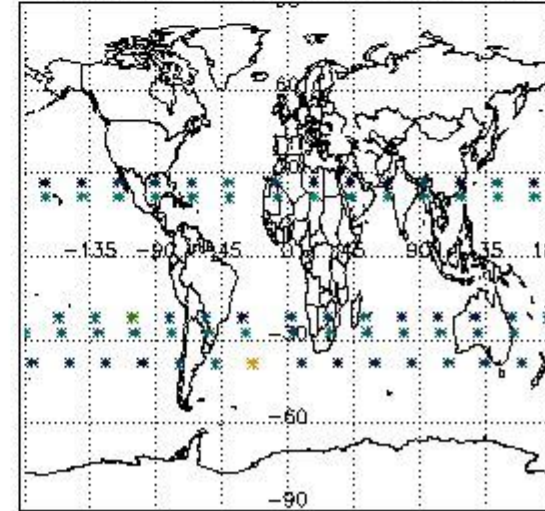
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

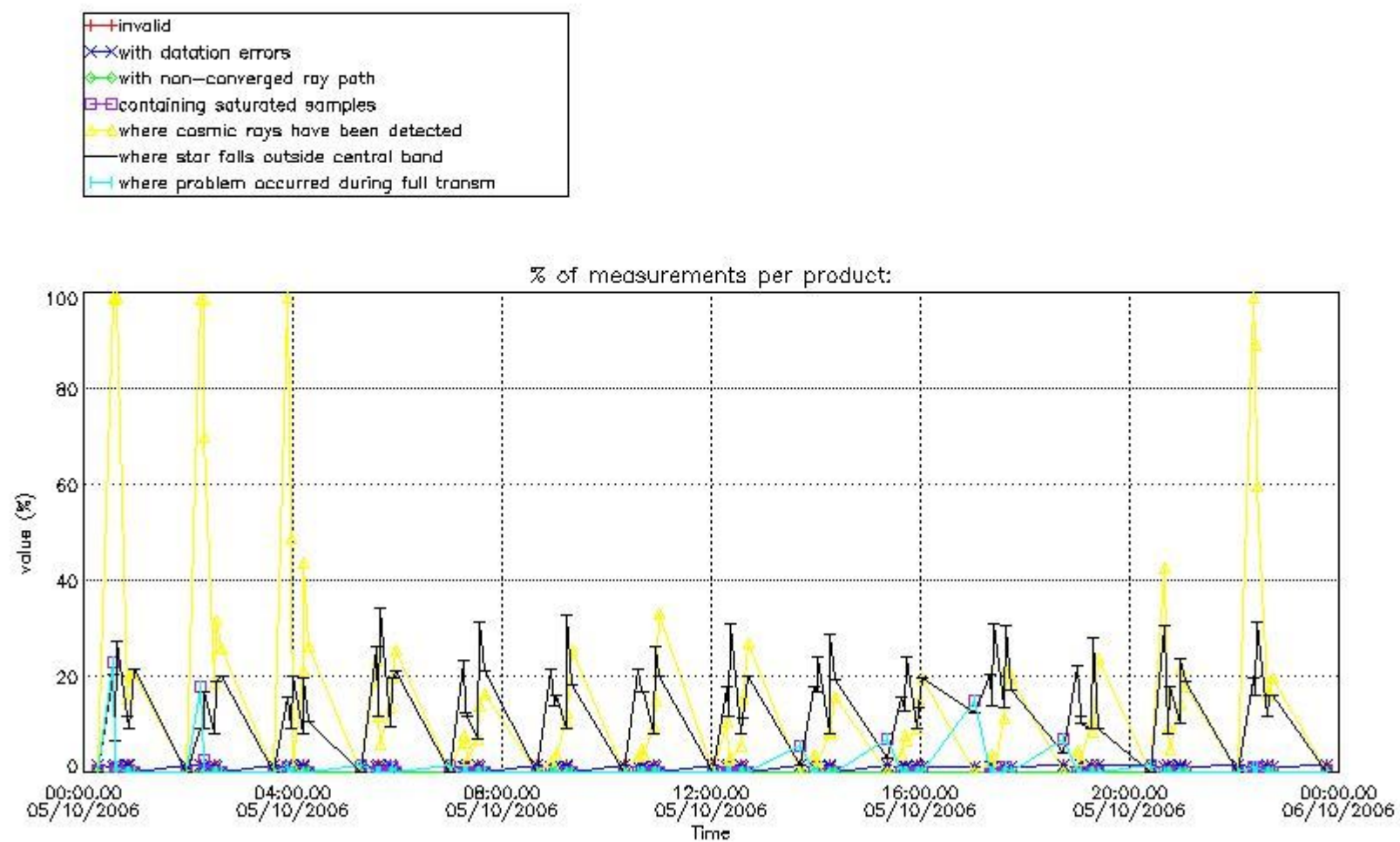


4. Level 1 quality information per product

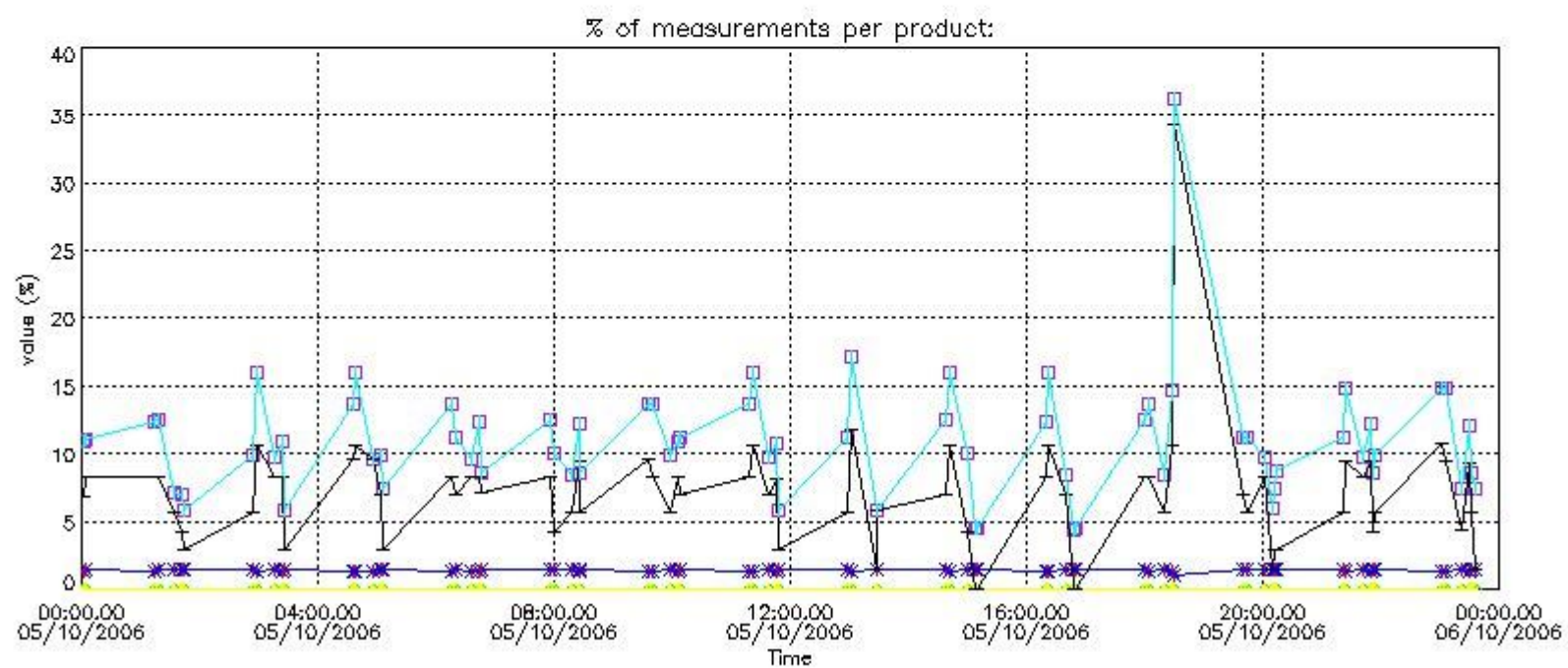
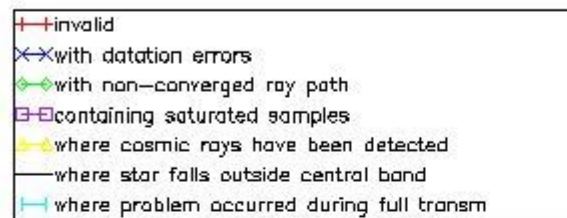
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



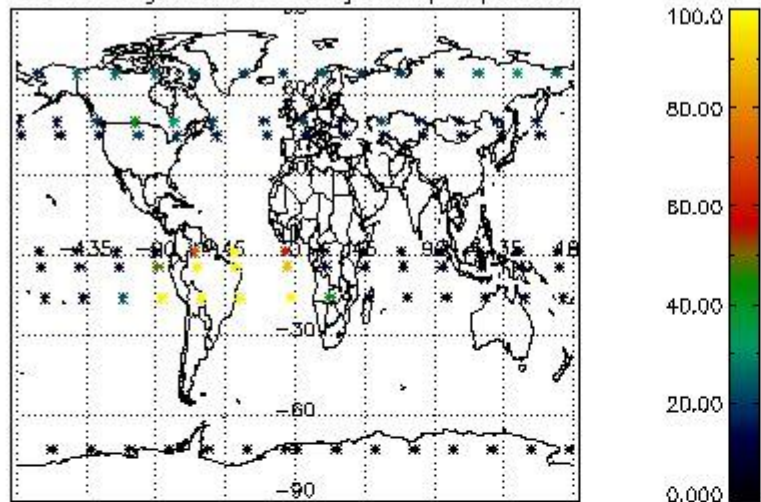
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



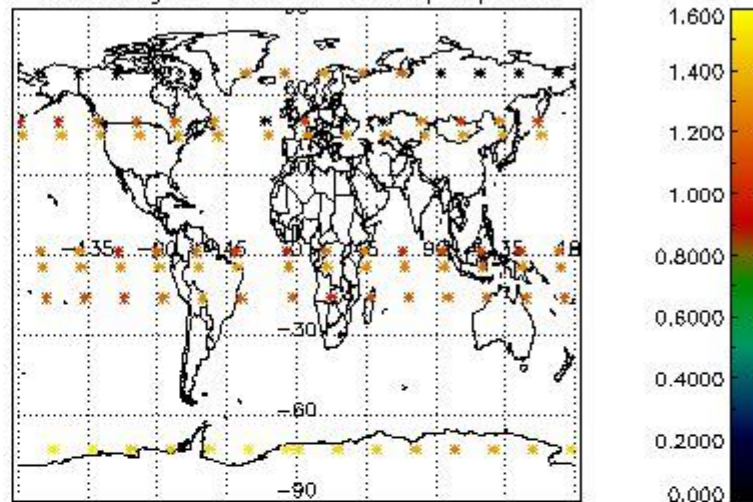
4.2 Plot quality information per product coming from level 1b processing (world map)

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

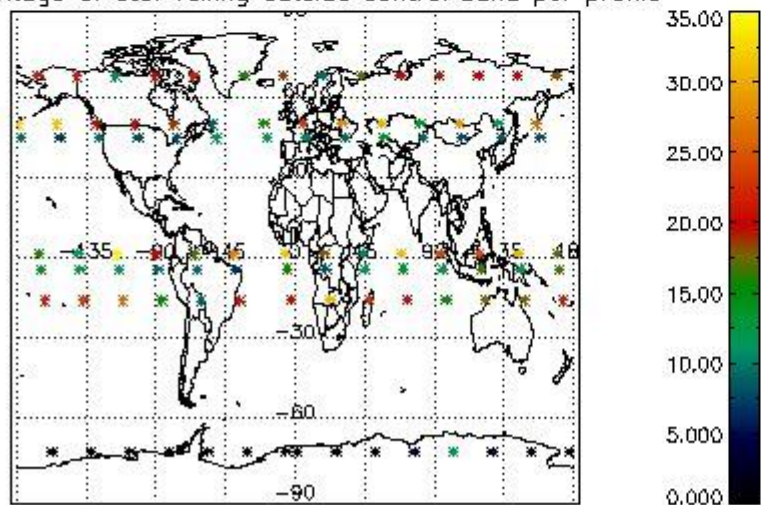
Percentage of cosmic ray hits per profile



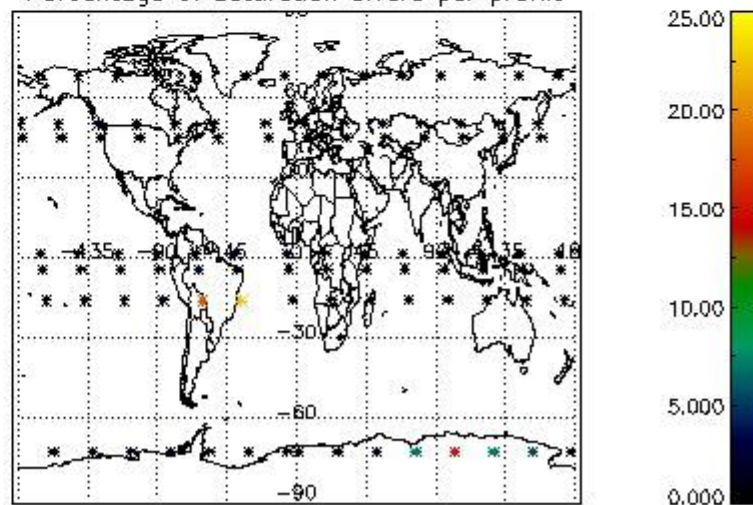
Percentage of datation errors per profile



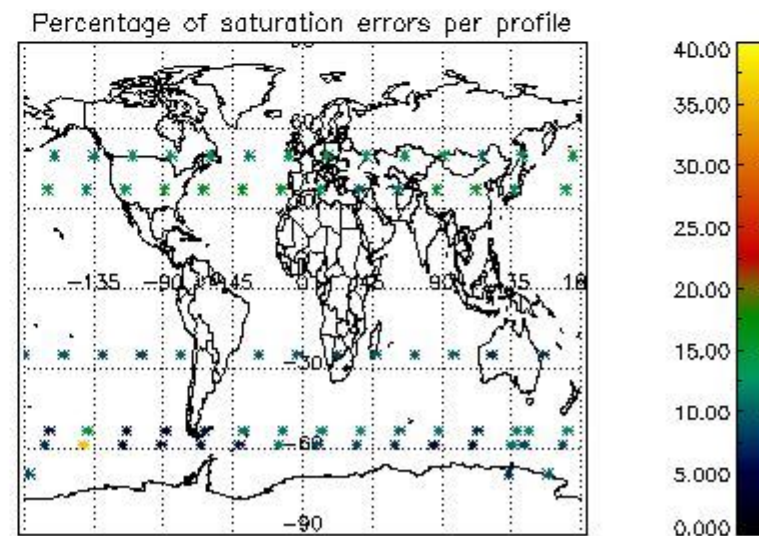
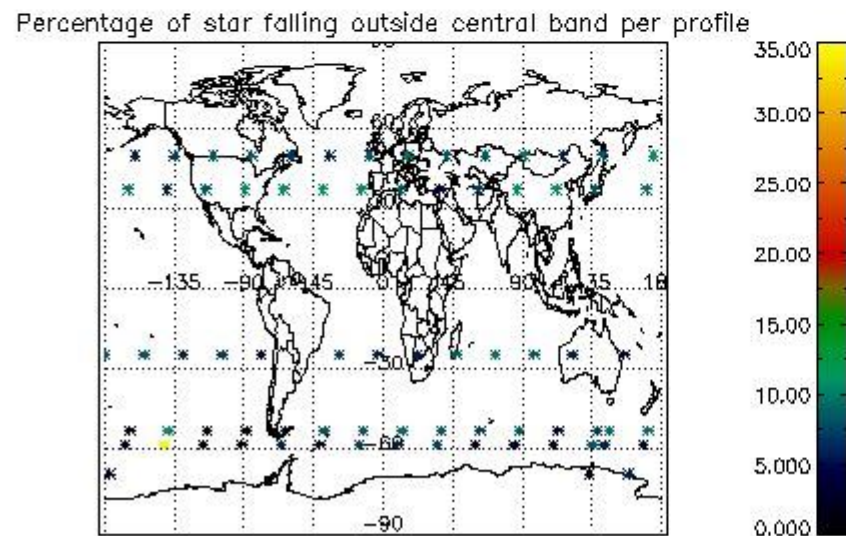
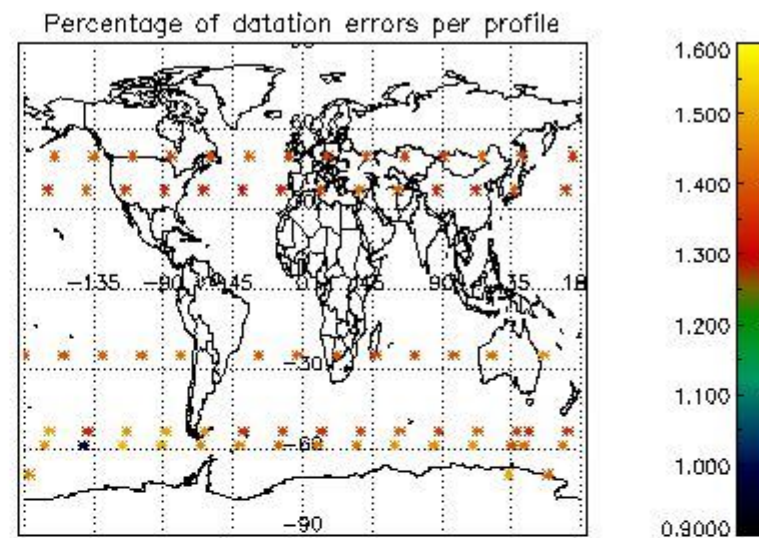
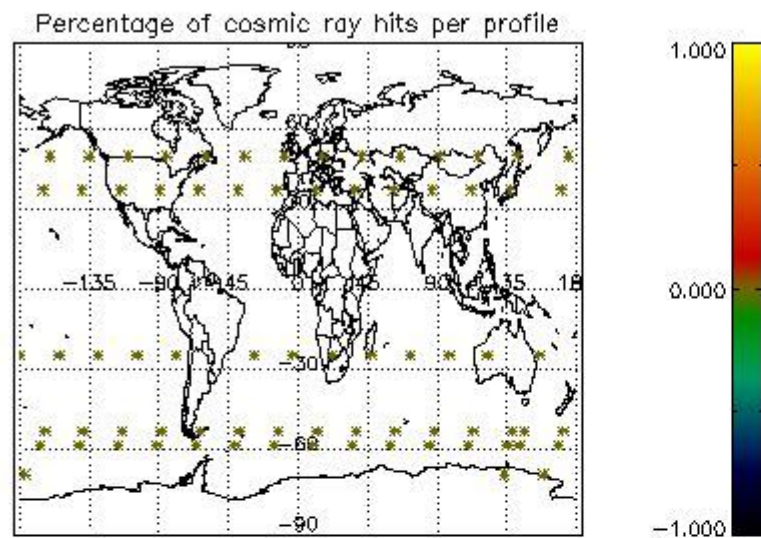
Percentage of star falling outside central band per profile



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

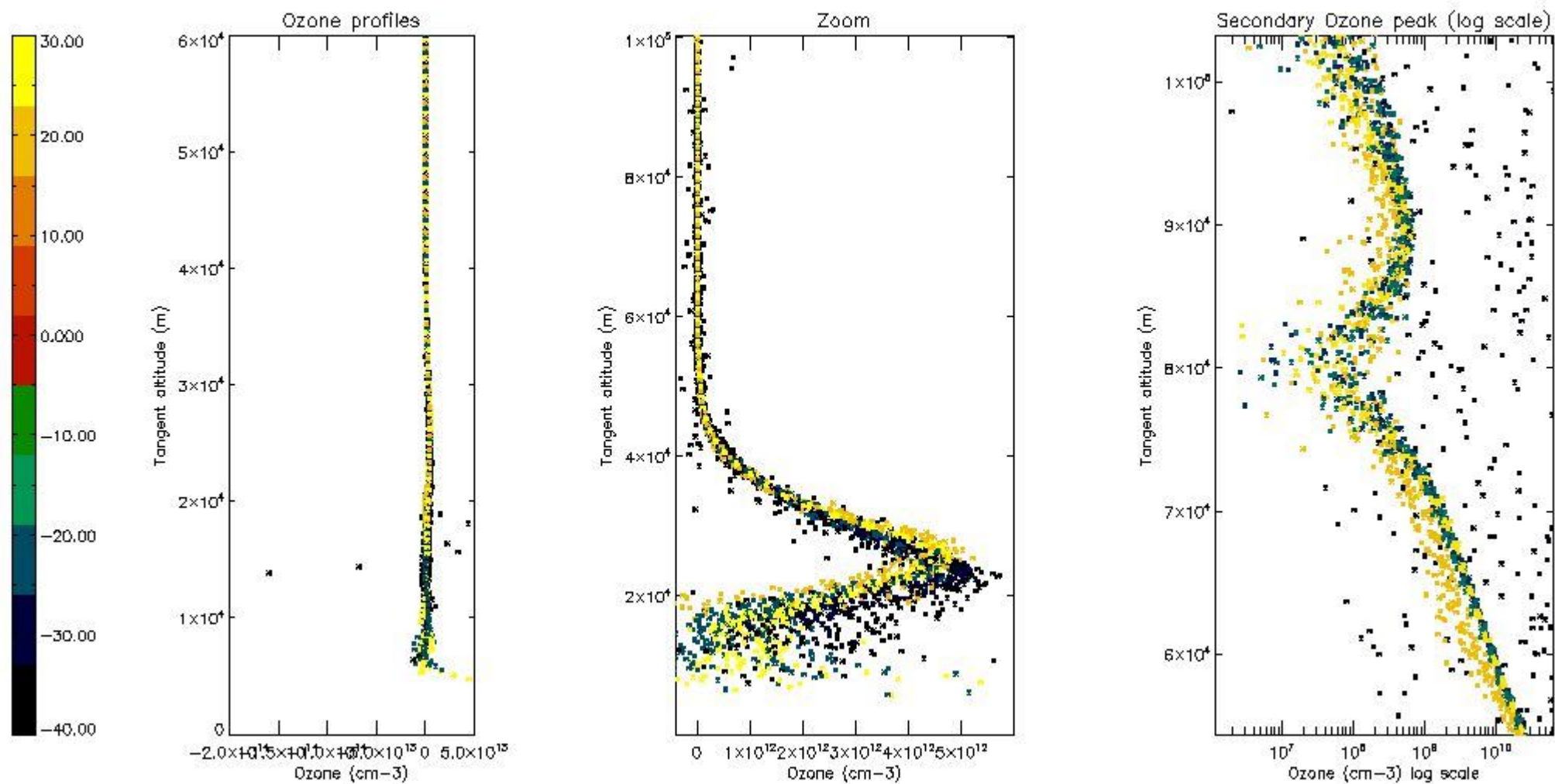
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

| Criteria | % of total production |
|----------|-----------------------|
| All STD | 45 |
| STD < 20 | 23 |

| | |
|----------|----|
| STD < 10 | 18 |
| STD < 5 | 8 |

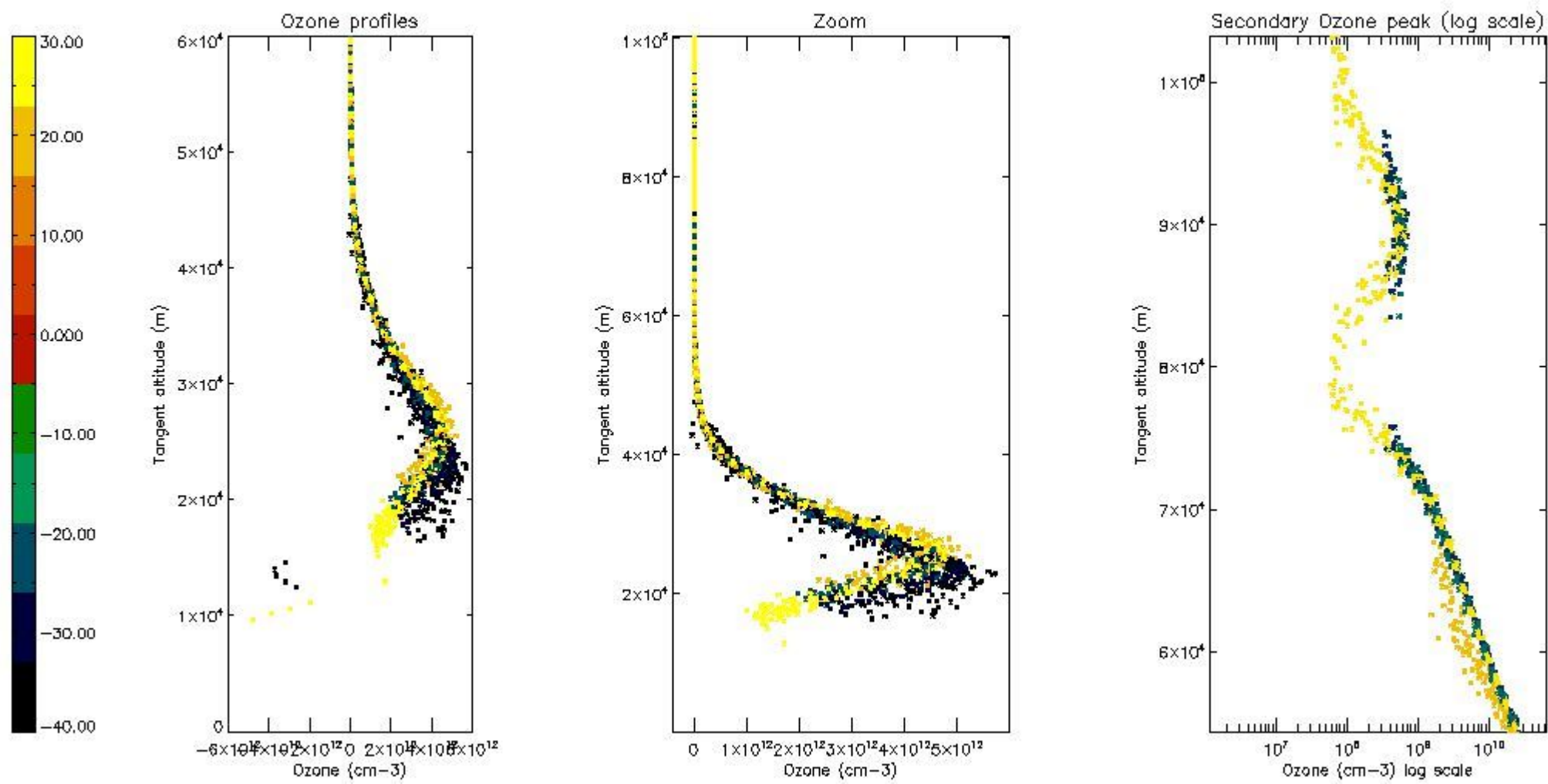
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



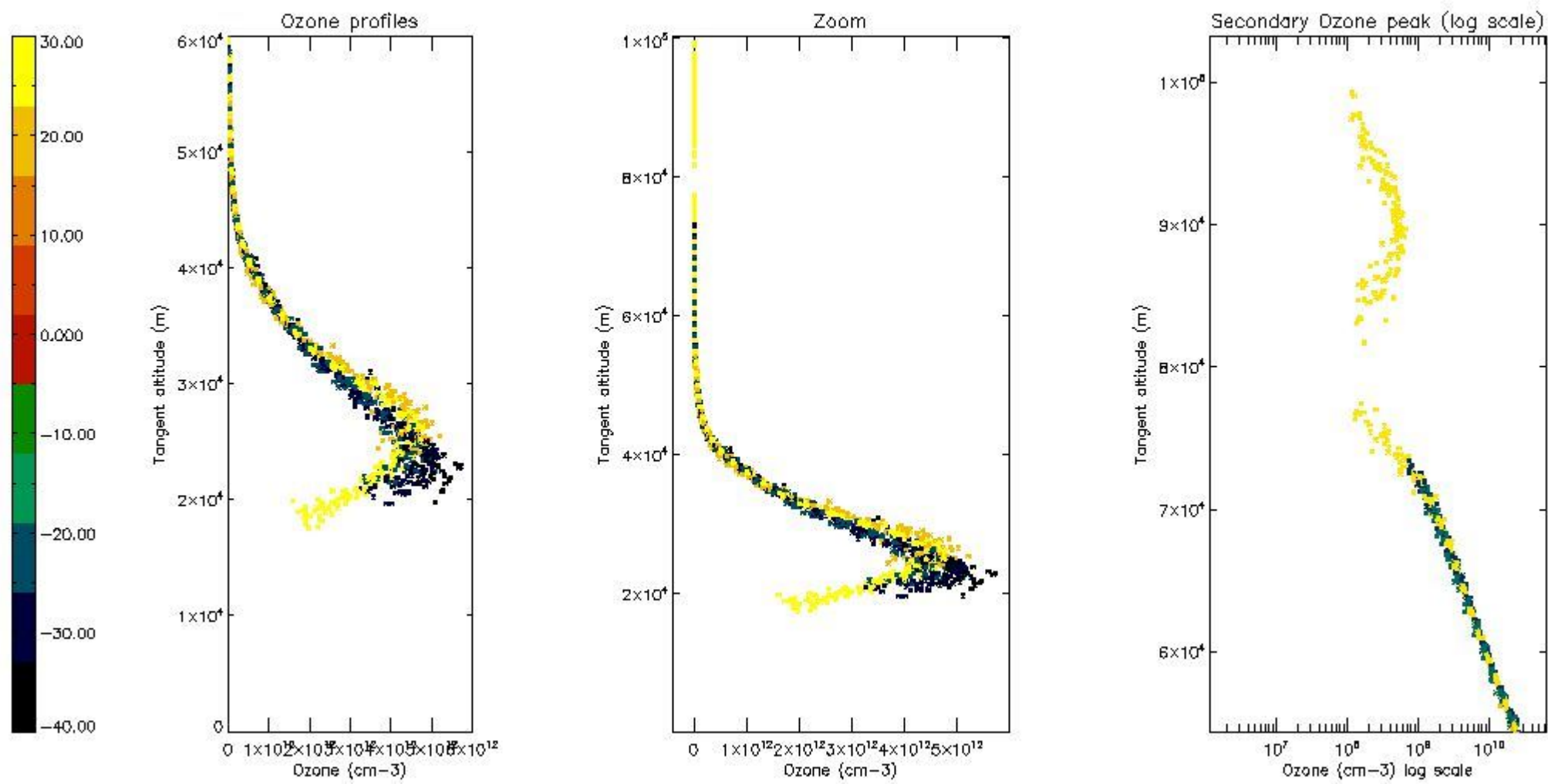
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



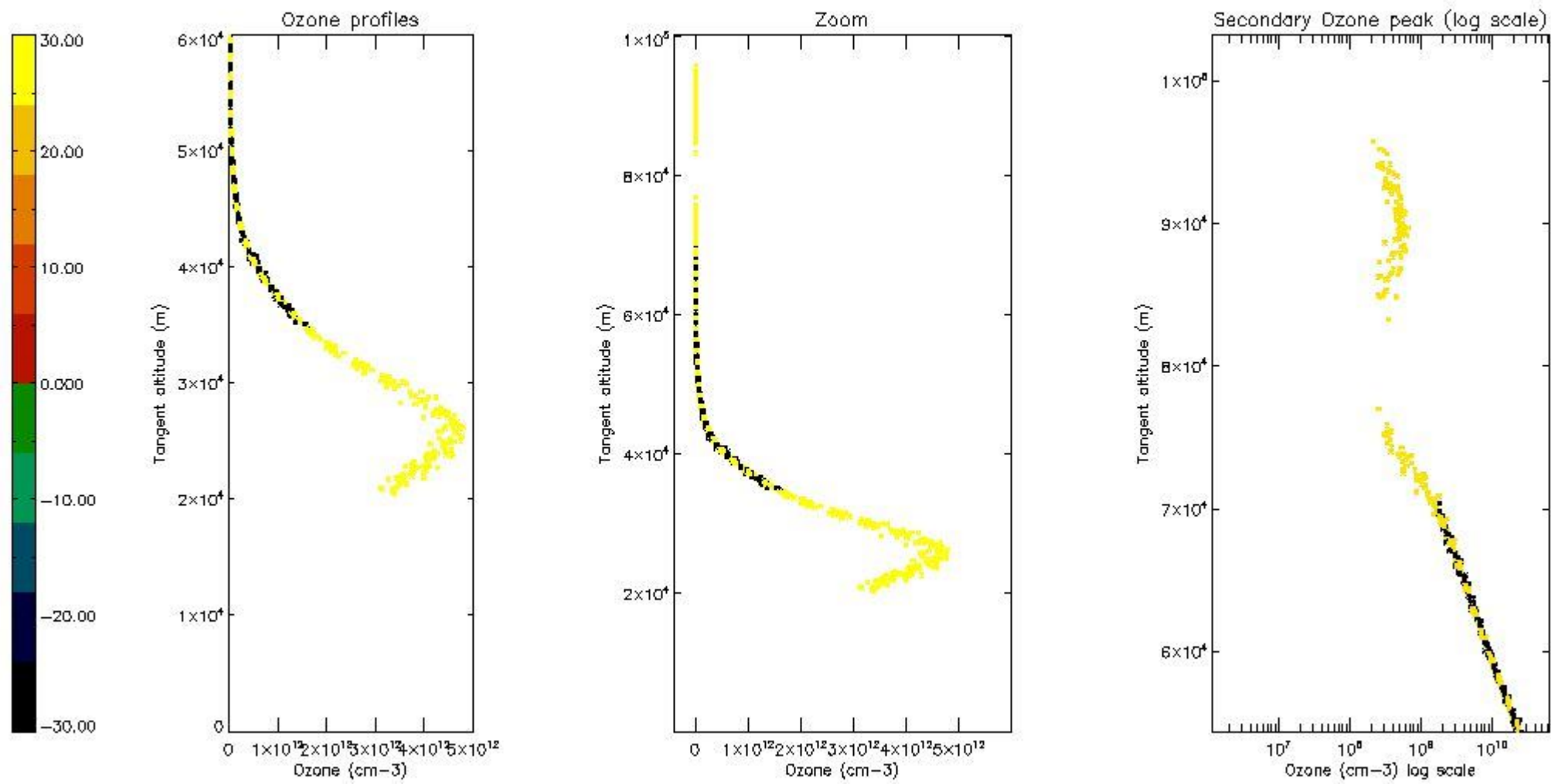
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



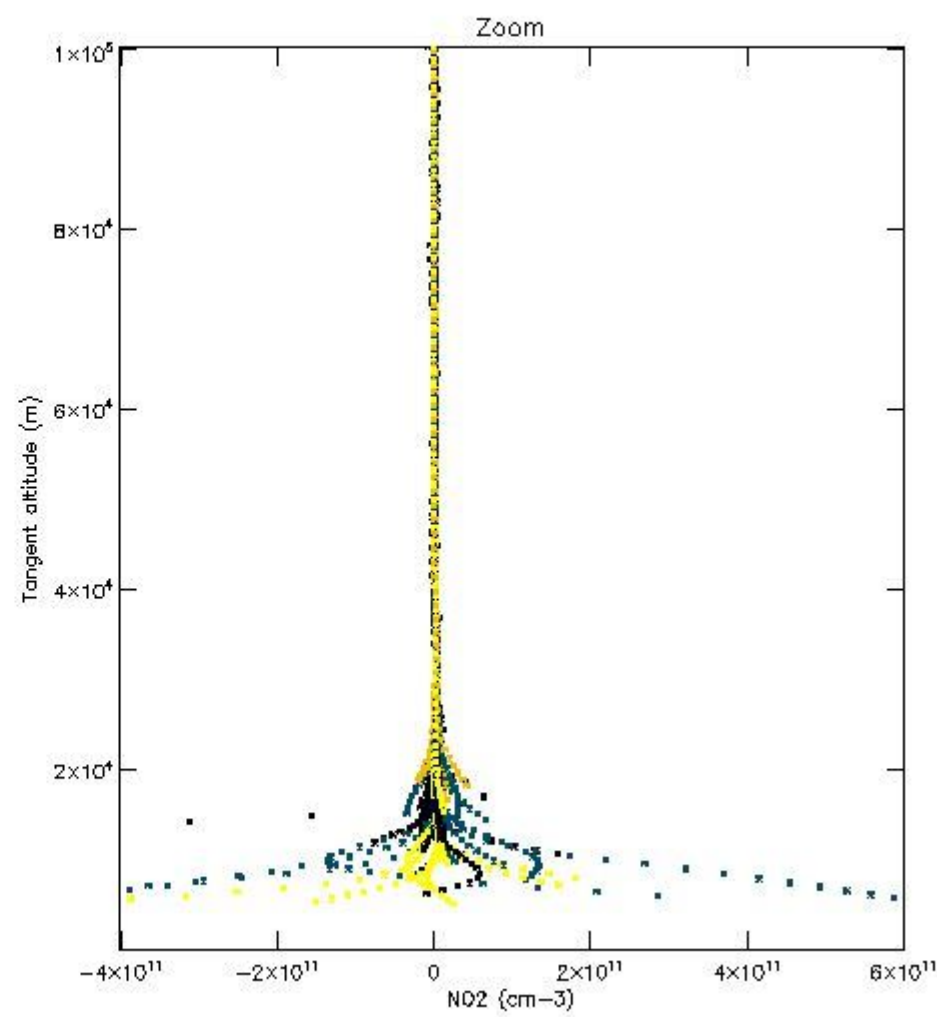
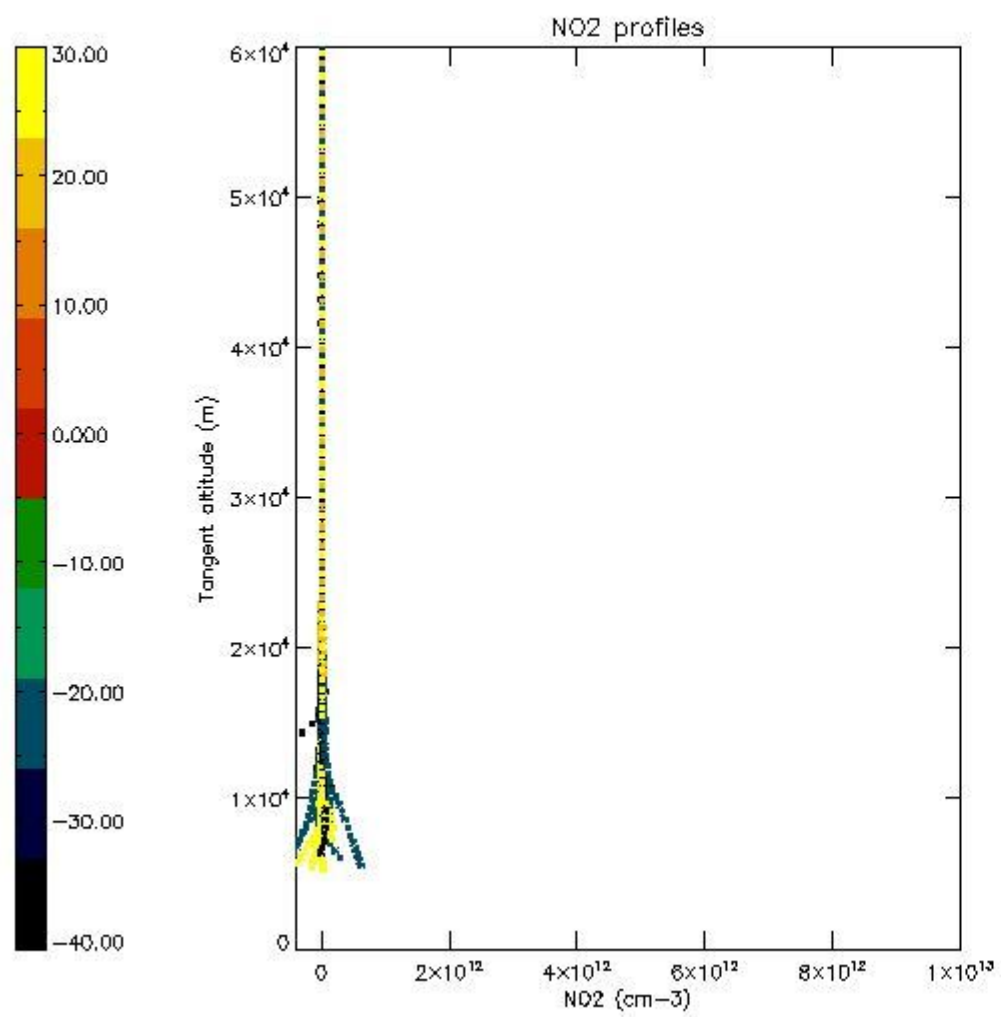
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



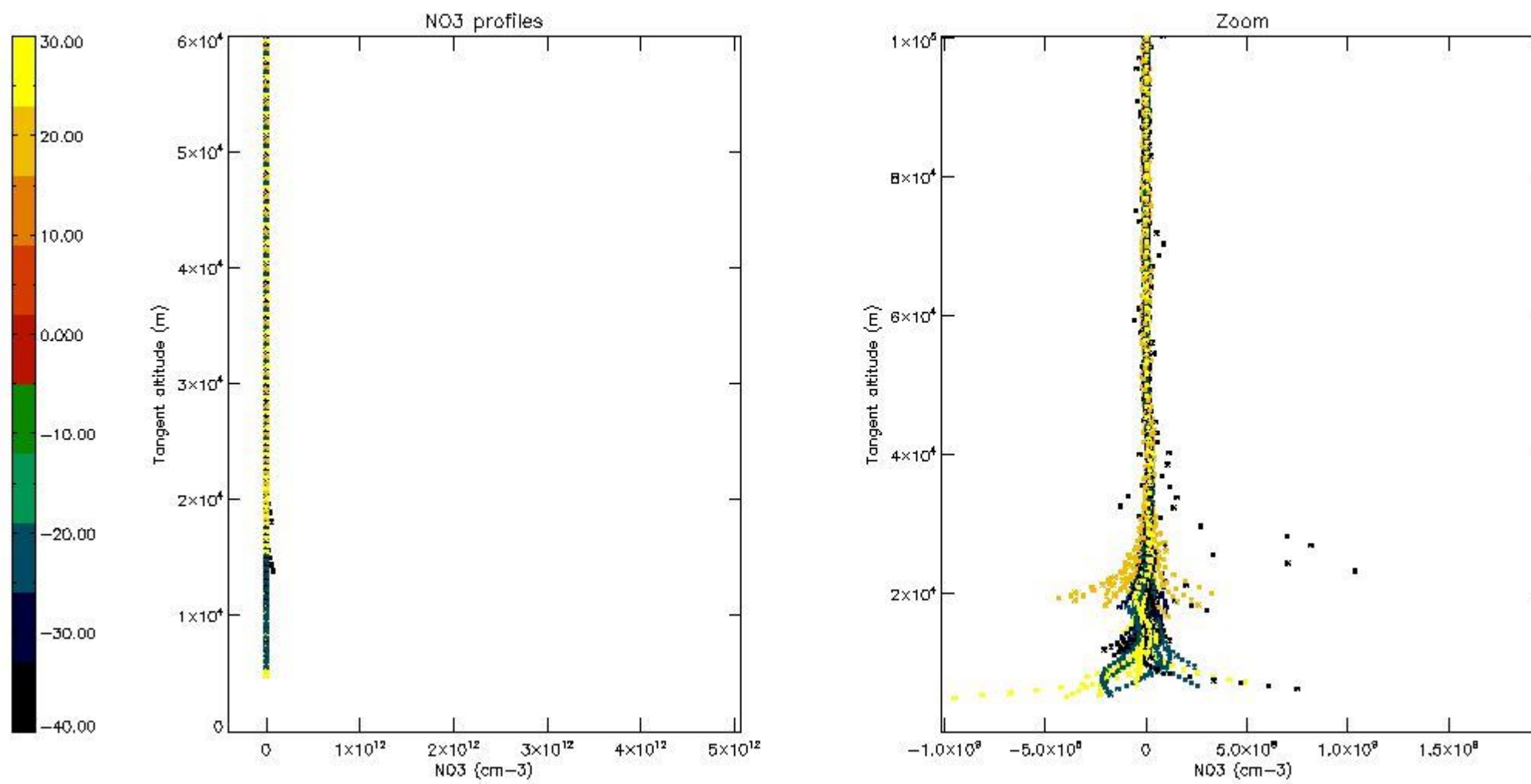
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

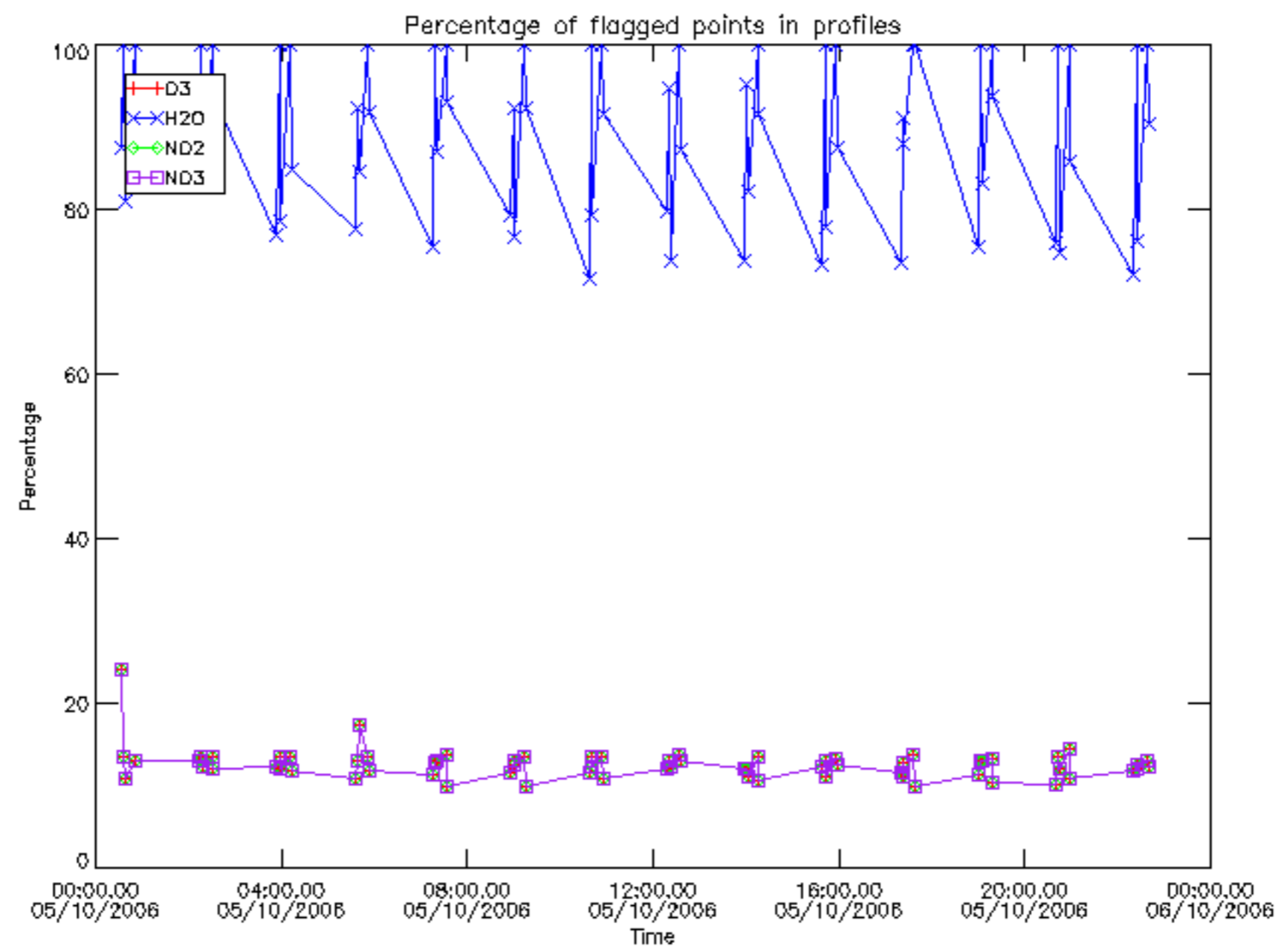
The colorbar represents the latitude.



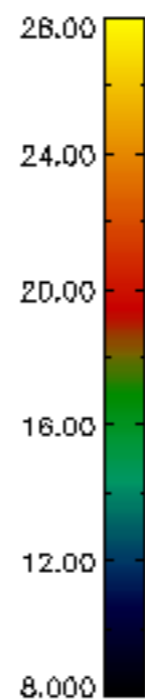
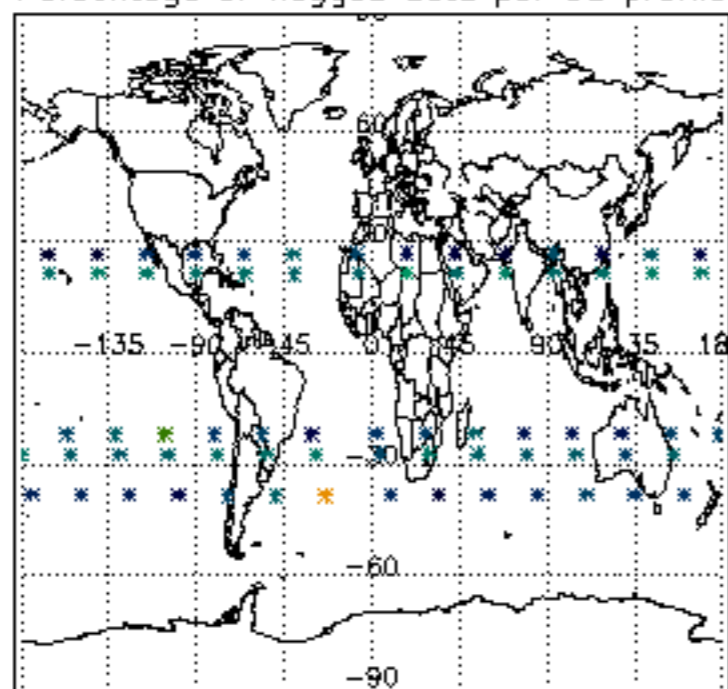
6. Auxiliary Data Files used for the production reported in section 2

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.

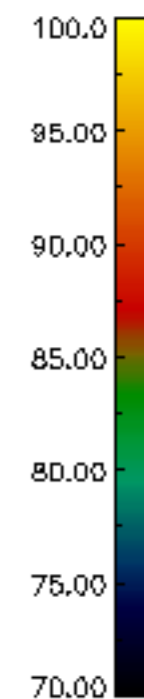
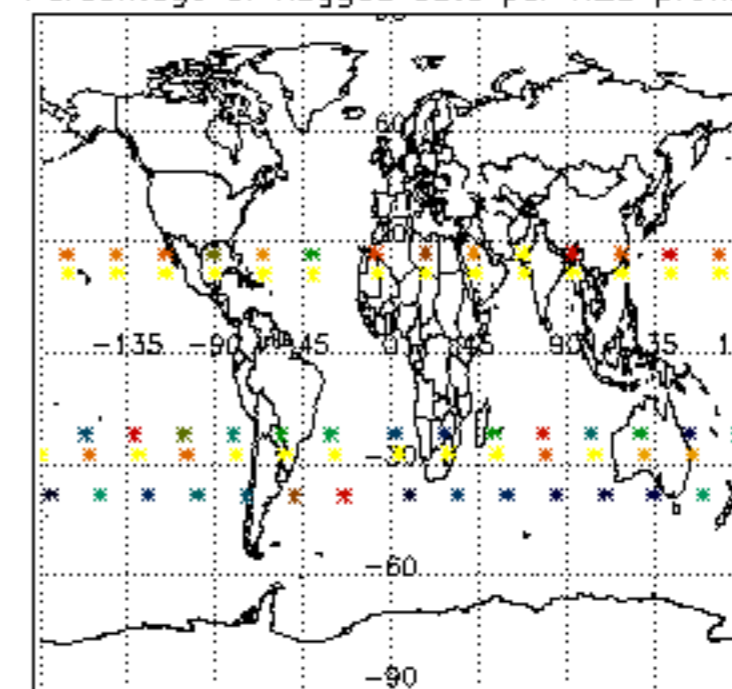
| Type | Auxiliary Filename | Used since product | Used since product date |
|---------------------------|---|--------------------|-------------------------|
| INST_PHYS_CHARACTERISTICS | GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000 | 1 | 05-OCT-2006 00:02:18 |
| LEVEL-2_PROC_CONFIG | GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000 | 1 | 05-OCT-2006 00:02:18 |
| CROSS_SECTIONS_FILE | GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000 | 1 | 05-OCT-2006 00:02:18 |



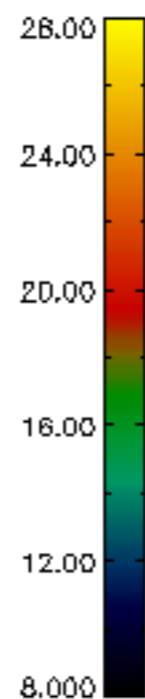
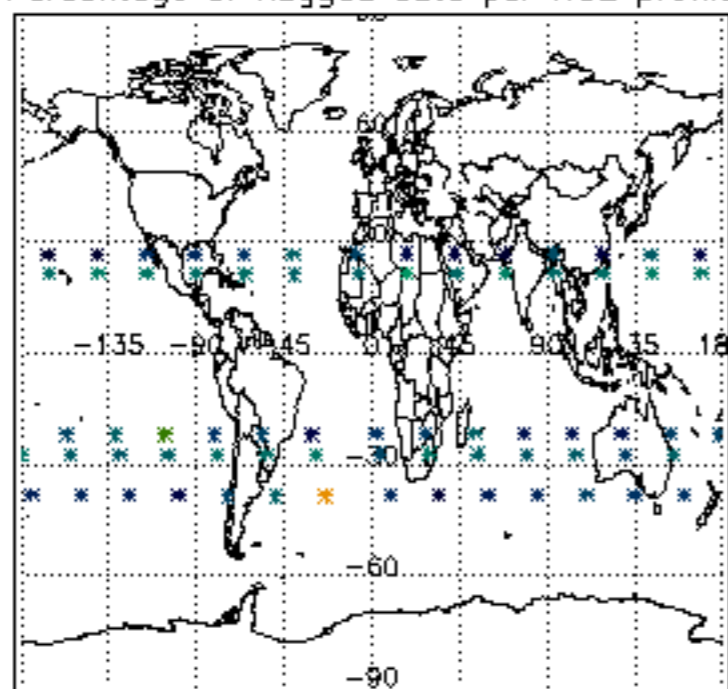
Percentage of flagged data per D3 profile



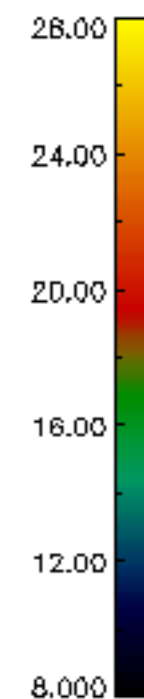
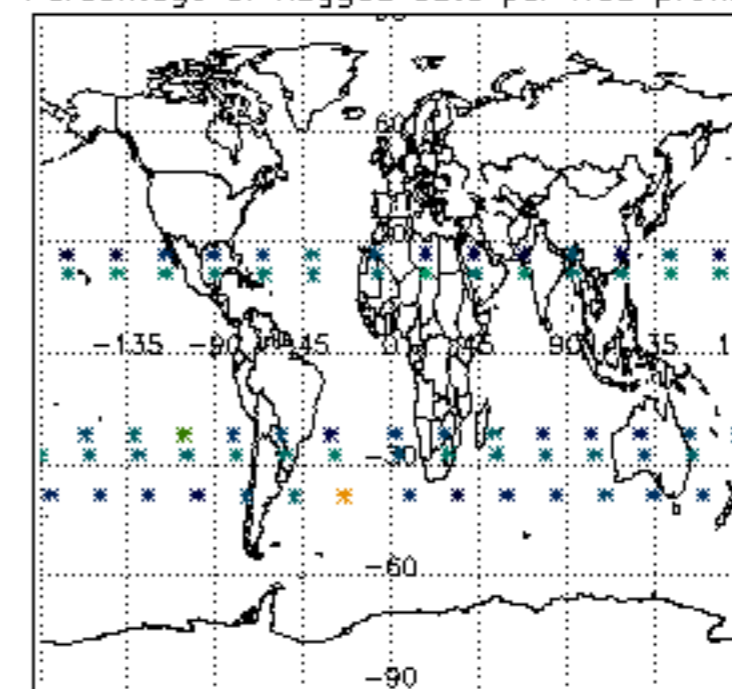
Percentage of flagged data per H2O profile

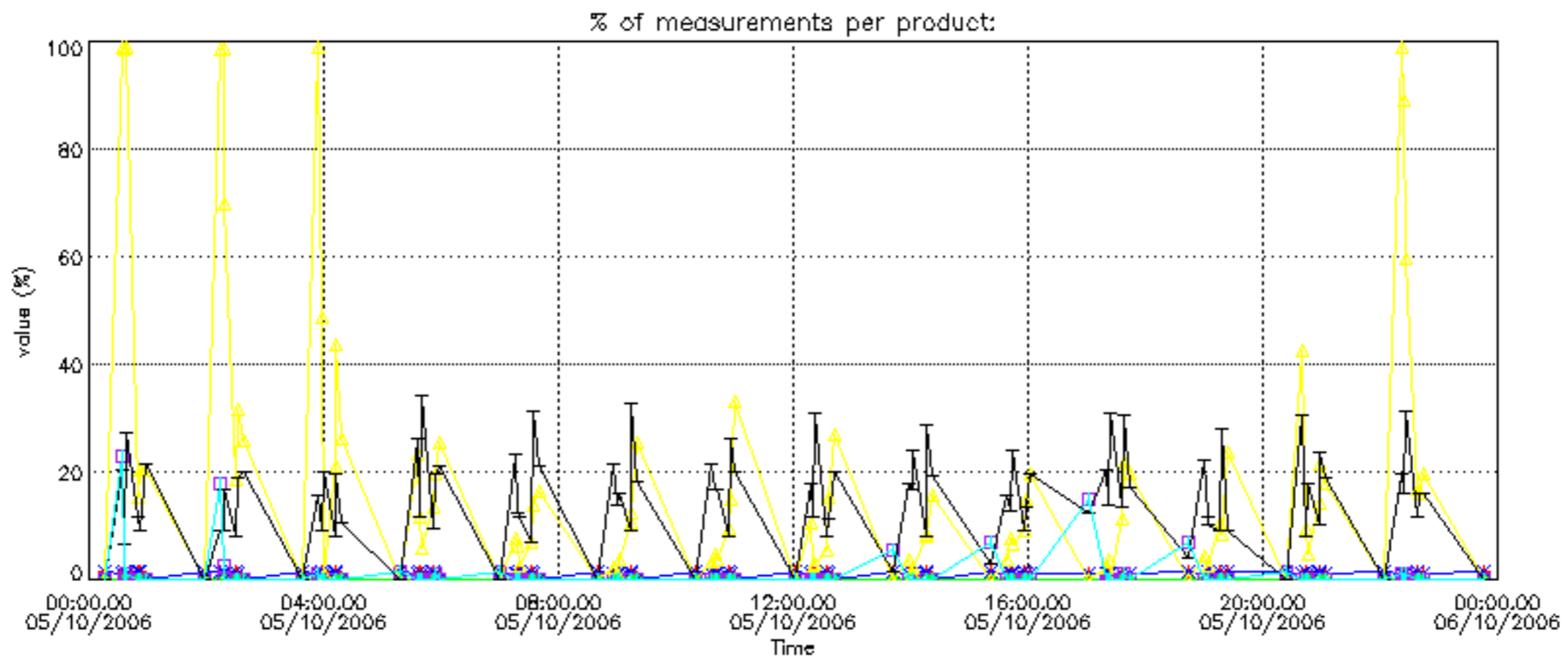


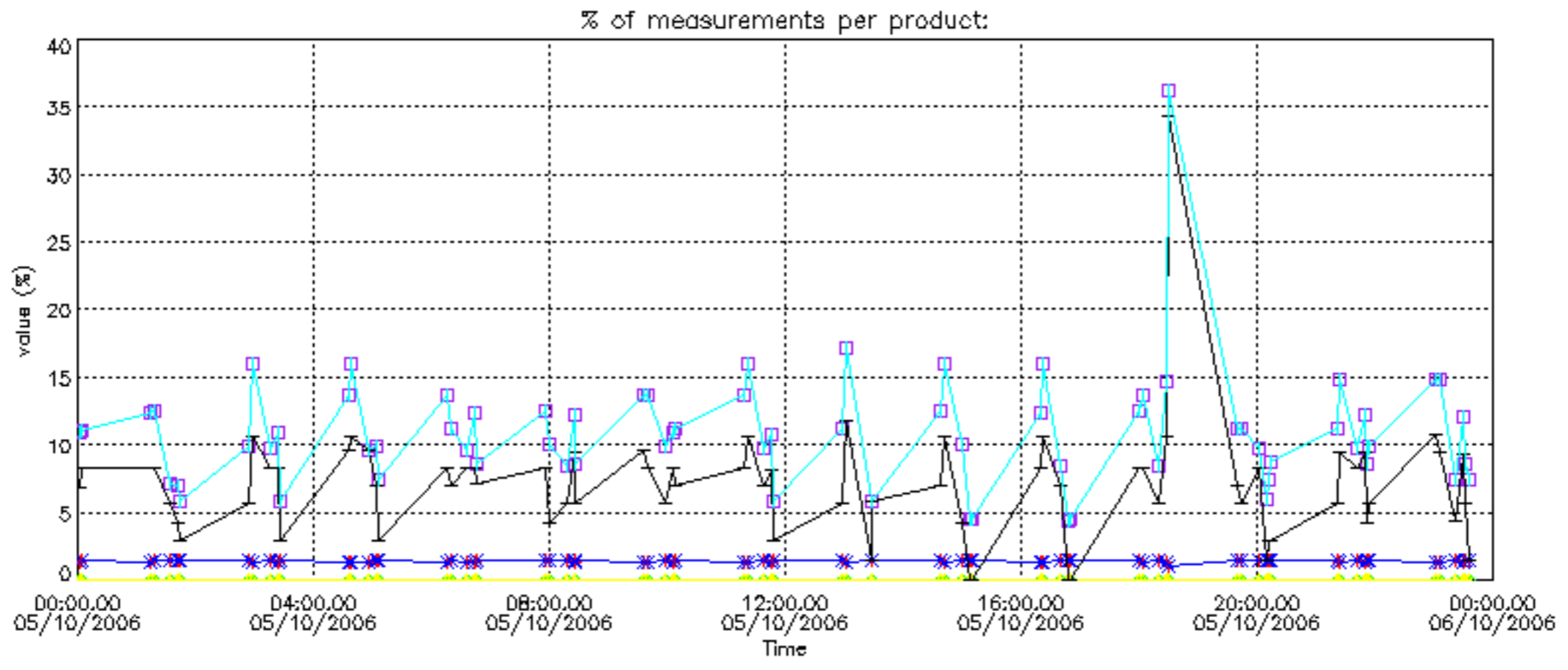
Percentage of flagged data per NO2 profile



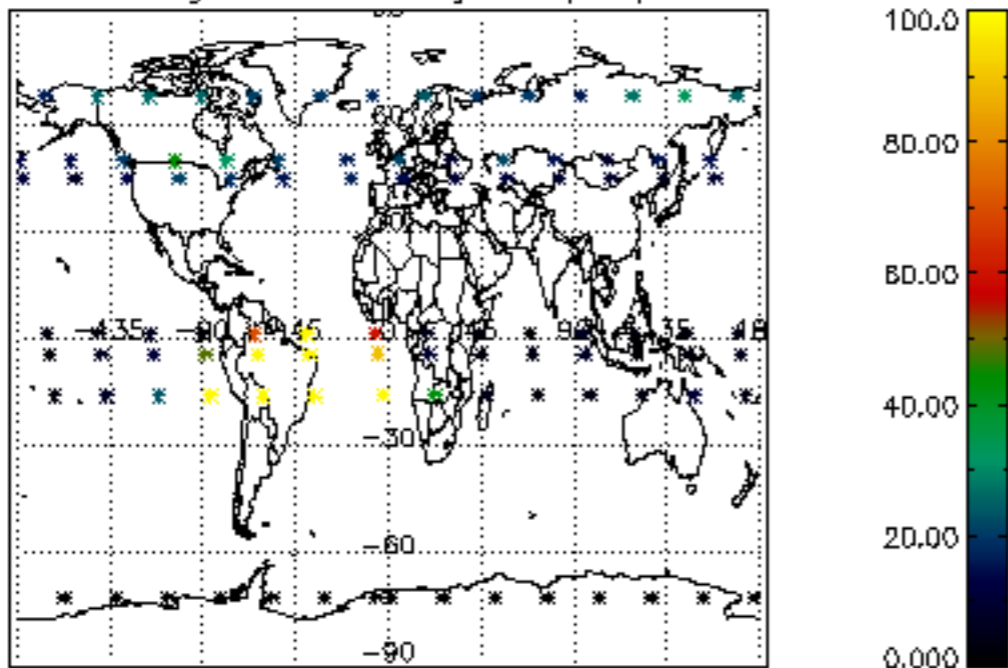
Percentage of flagged data per NO3 profile



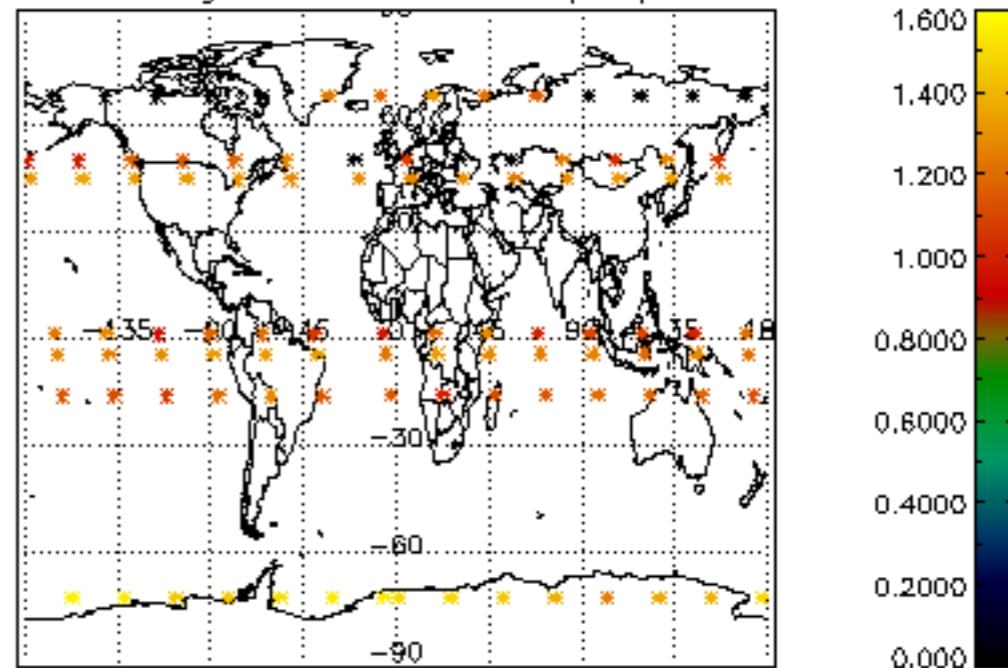




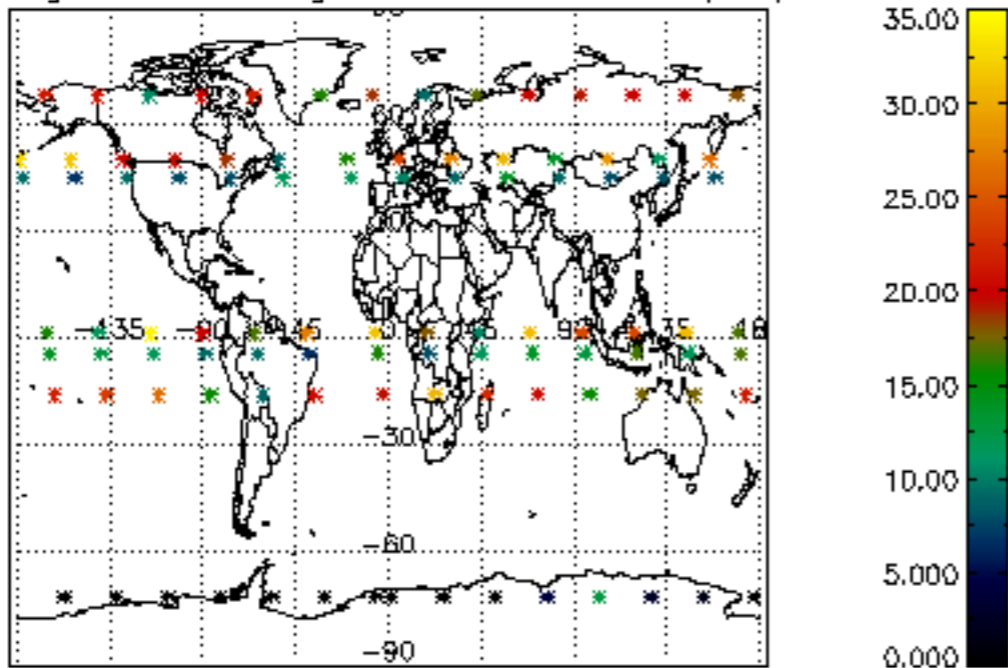
Percentage of cosmic ray hits per profile



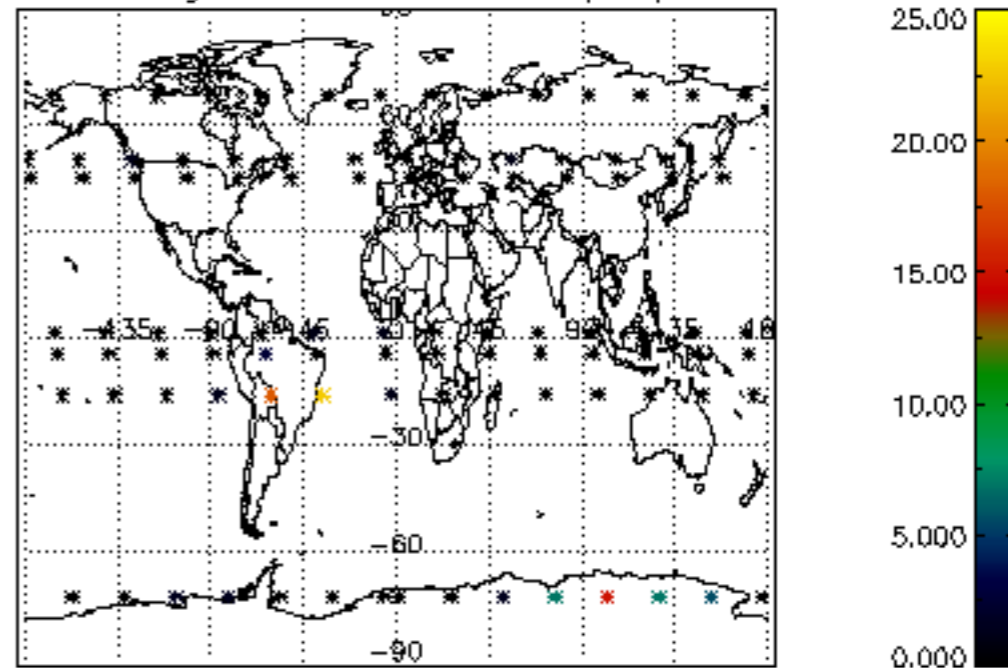
Percentage of datation errors per profile



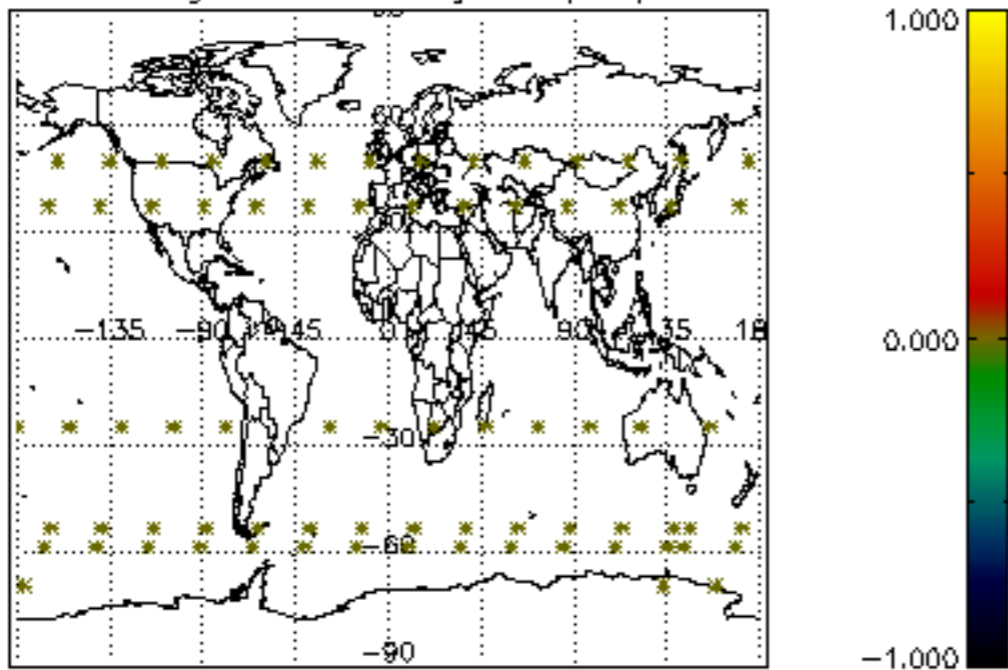
Percentage of star falling outside central band per profile



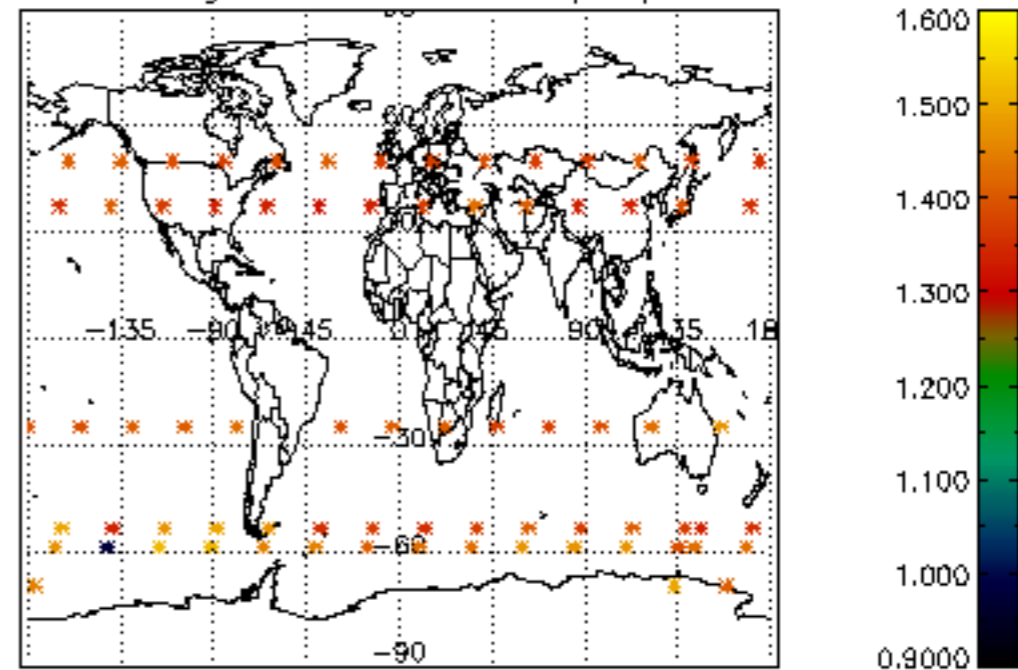
Percentage of saturation errors per profile



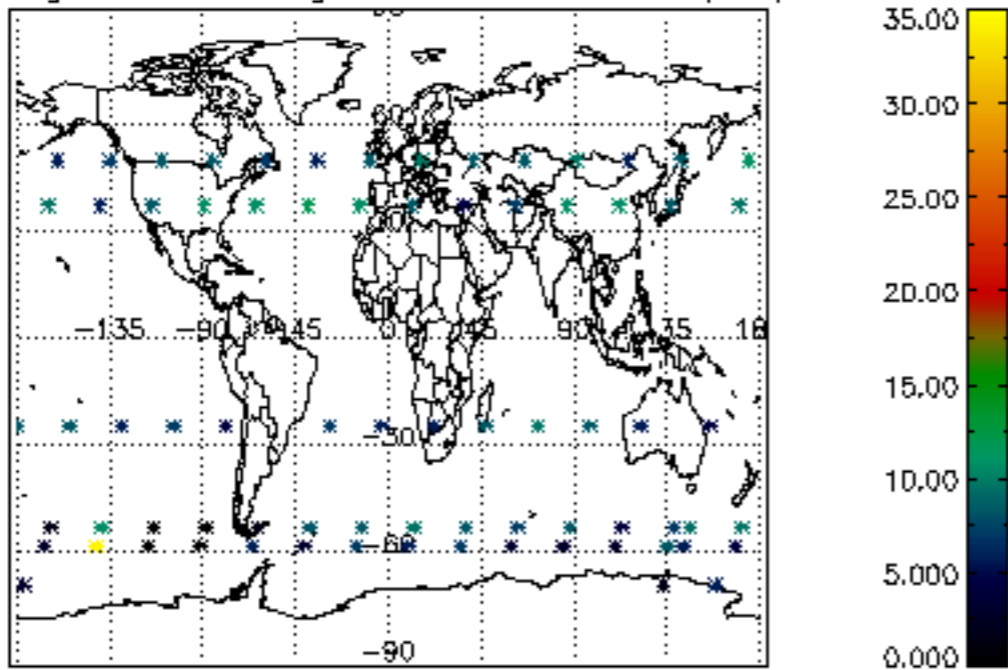
Percentage of cosmic ray hits per profile



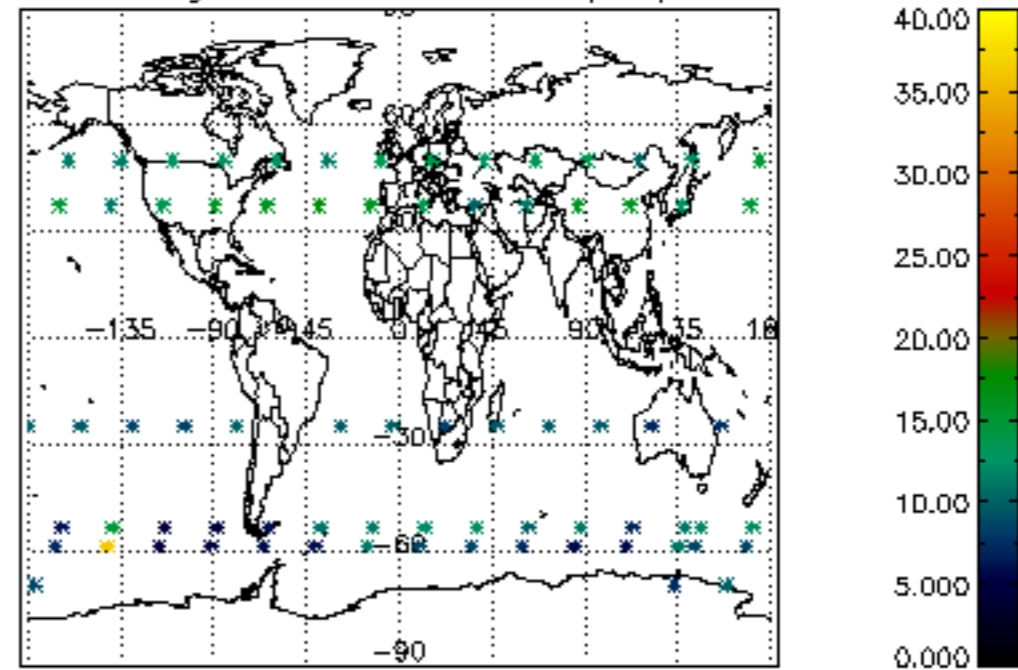
Percentage of datation errors per profile

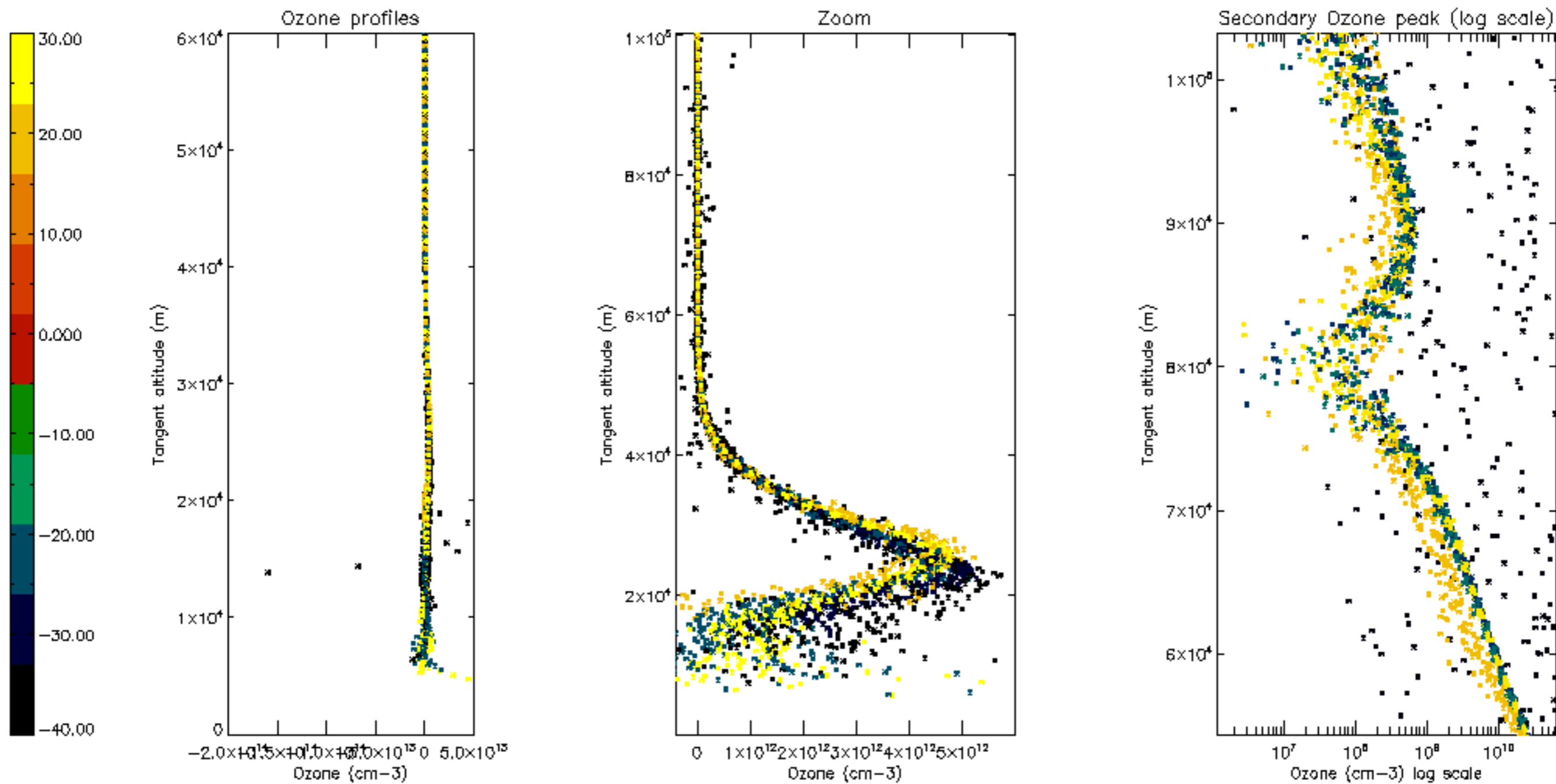


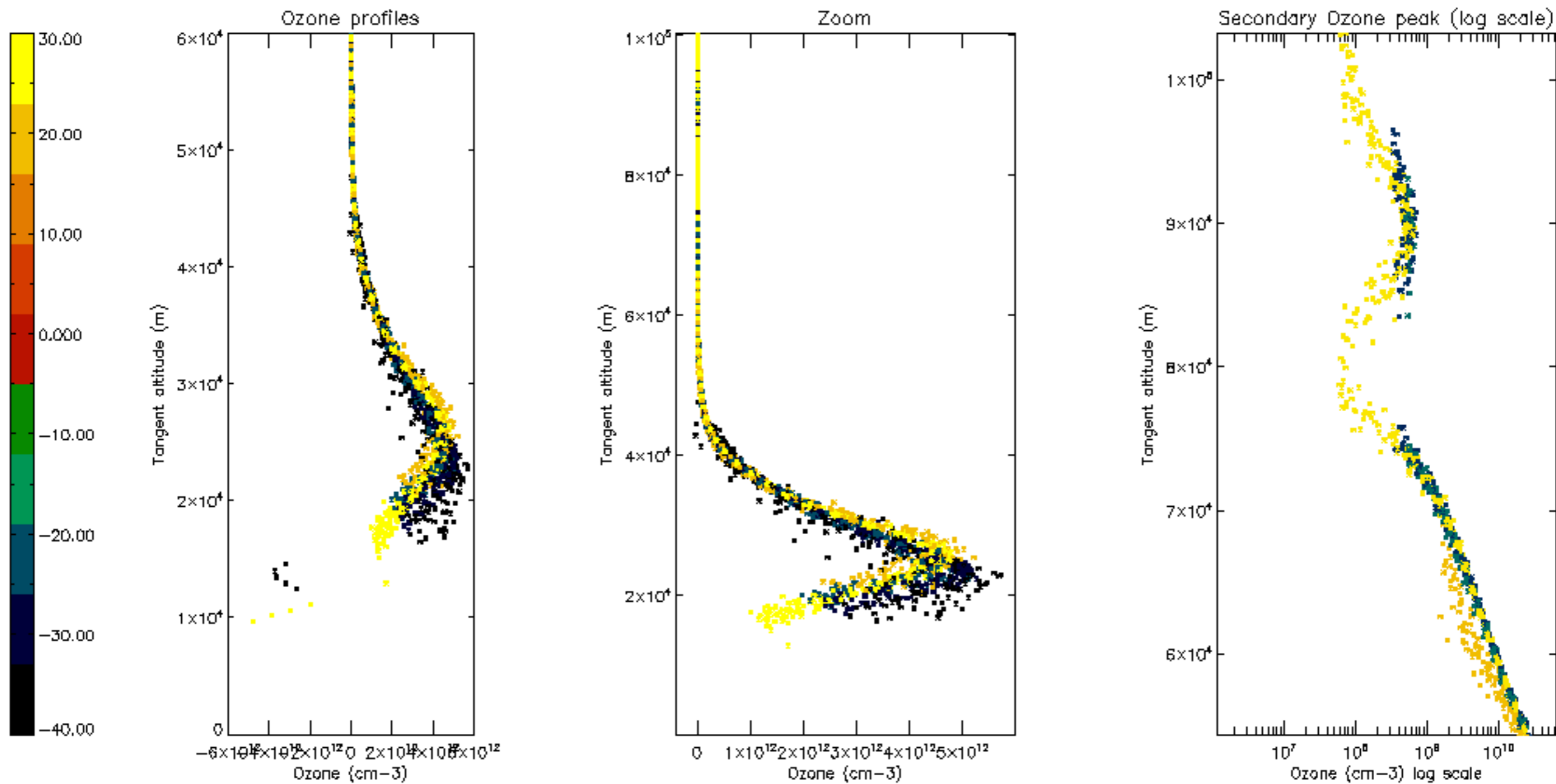
Percentage of star falling outside central band per profile

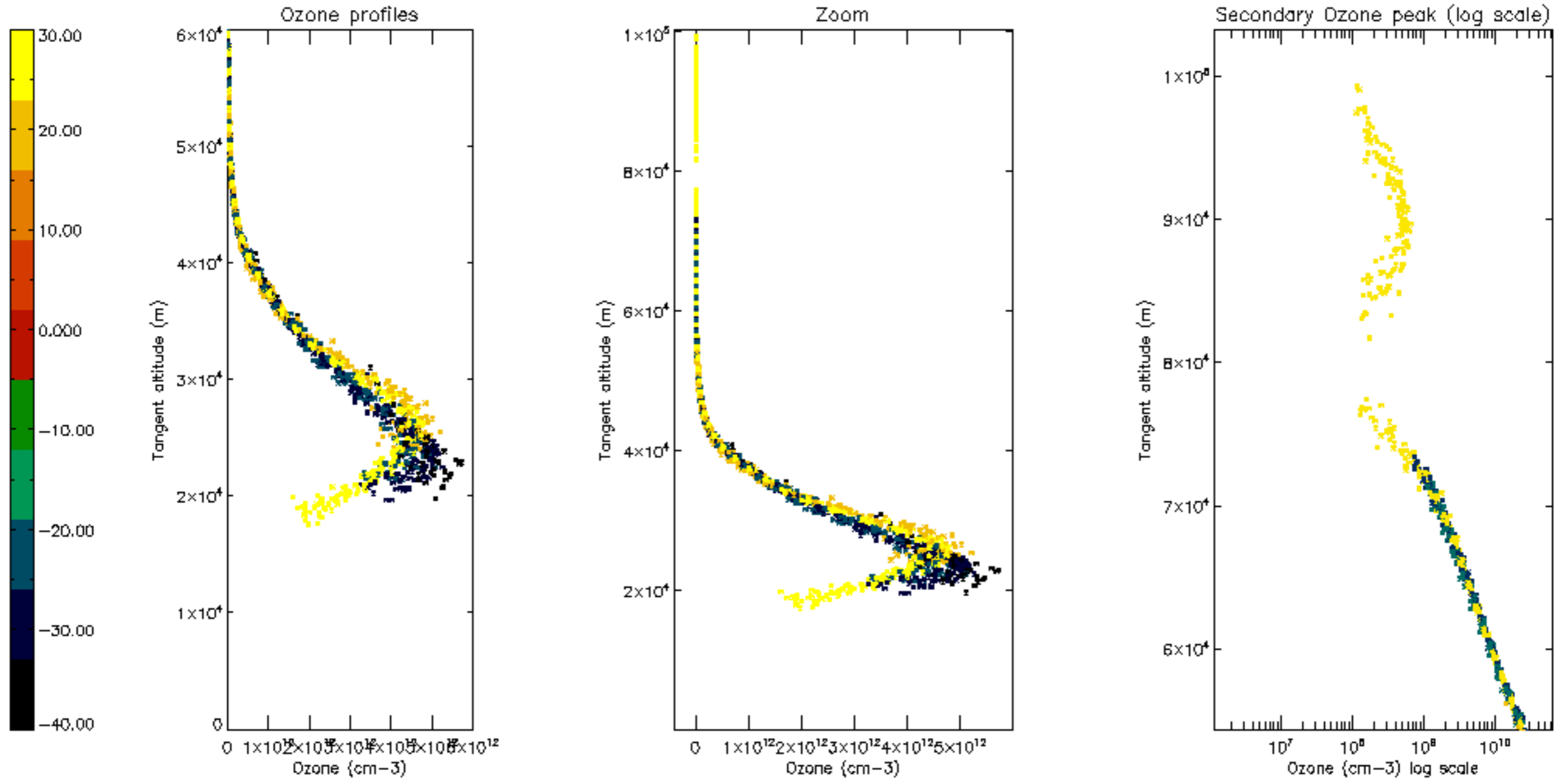


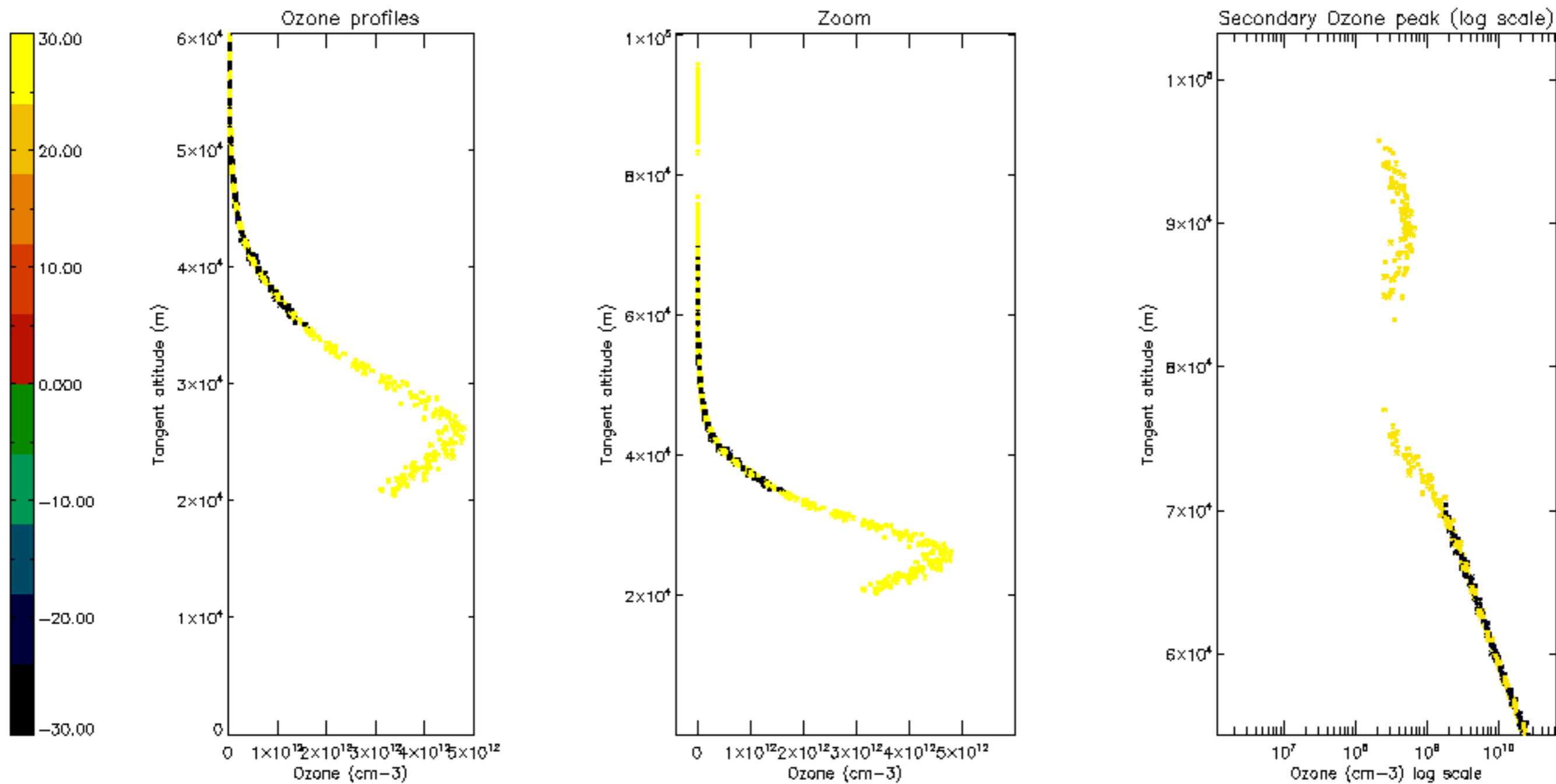
Percentage of saturation errors per profile

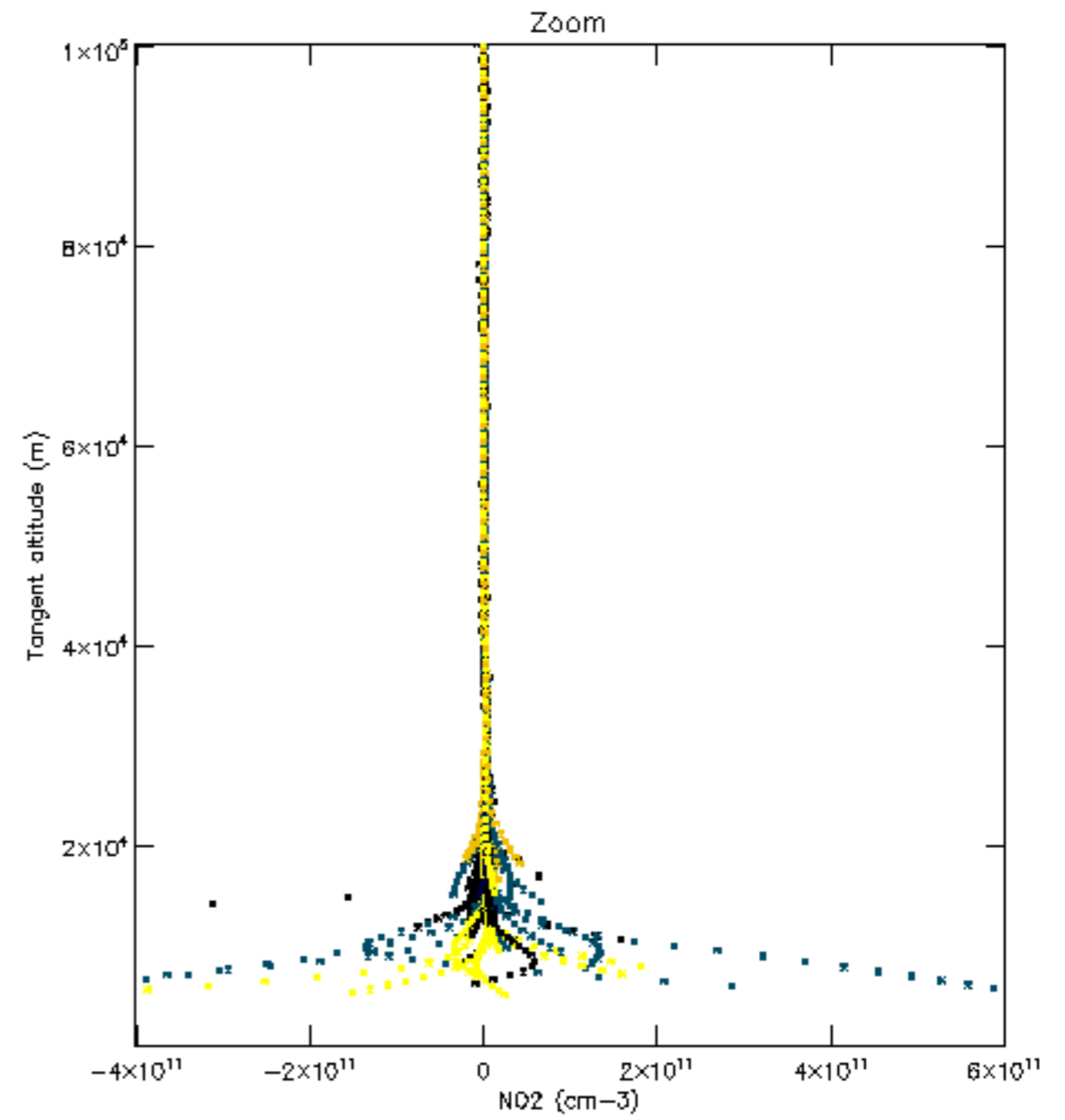
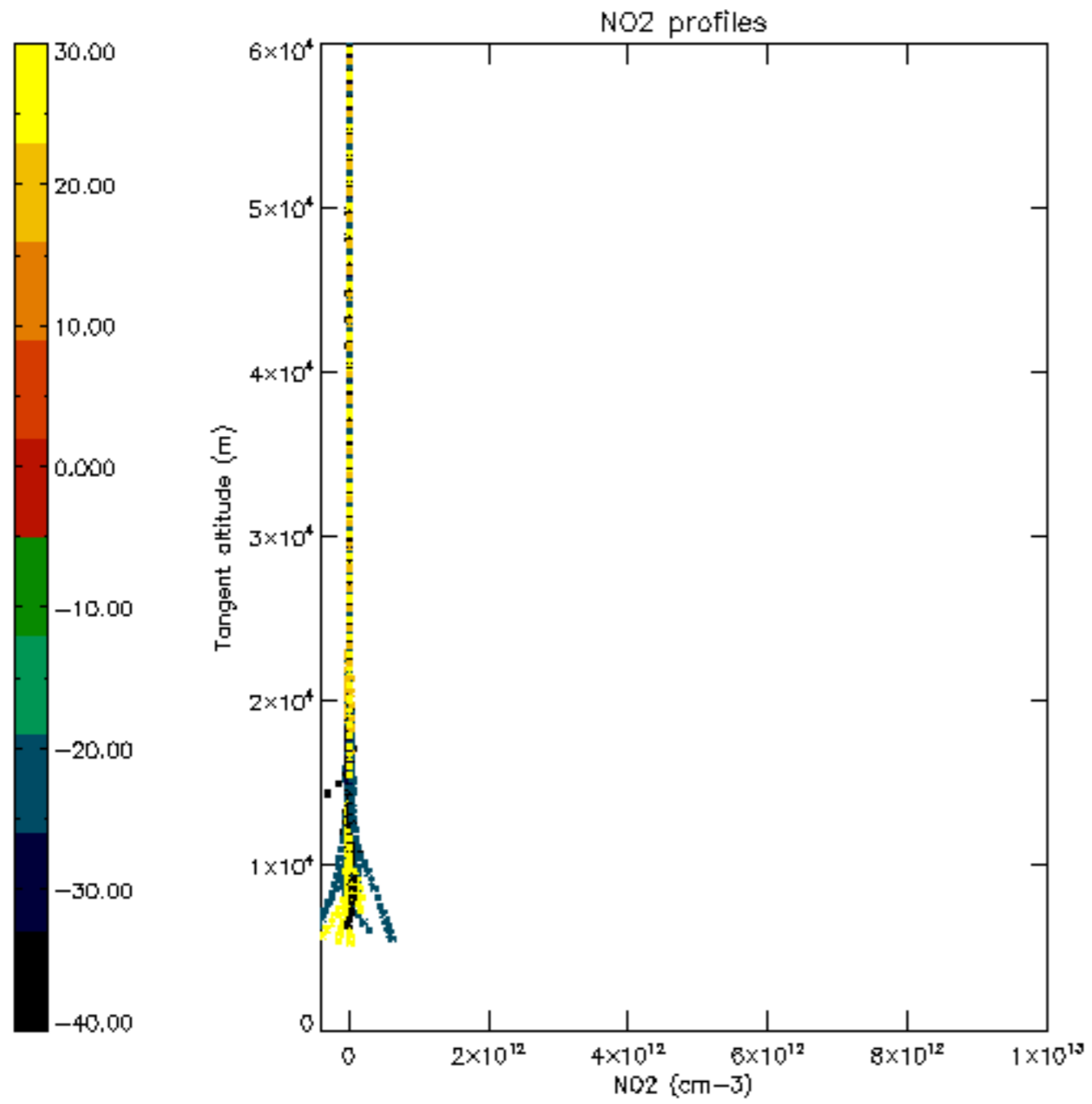


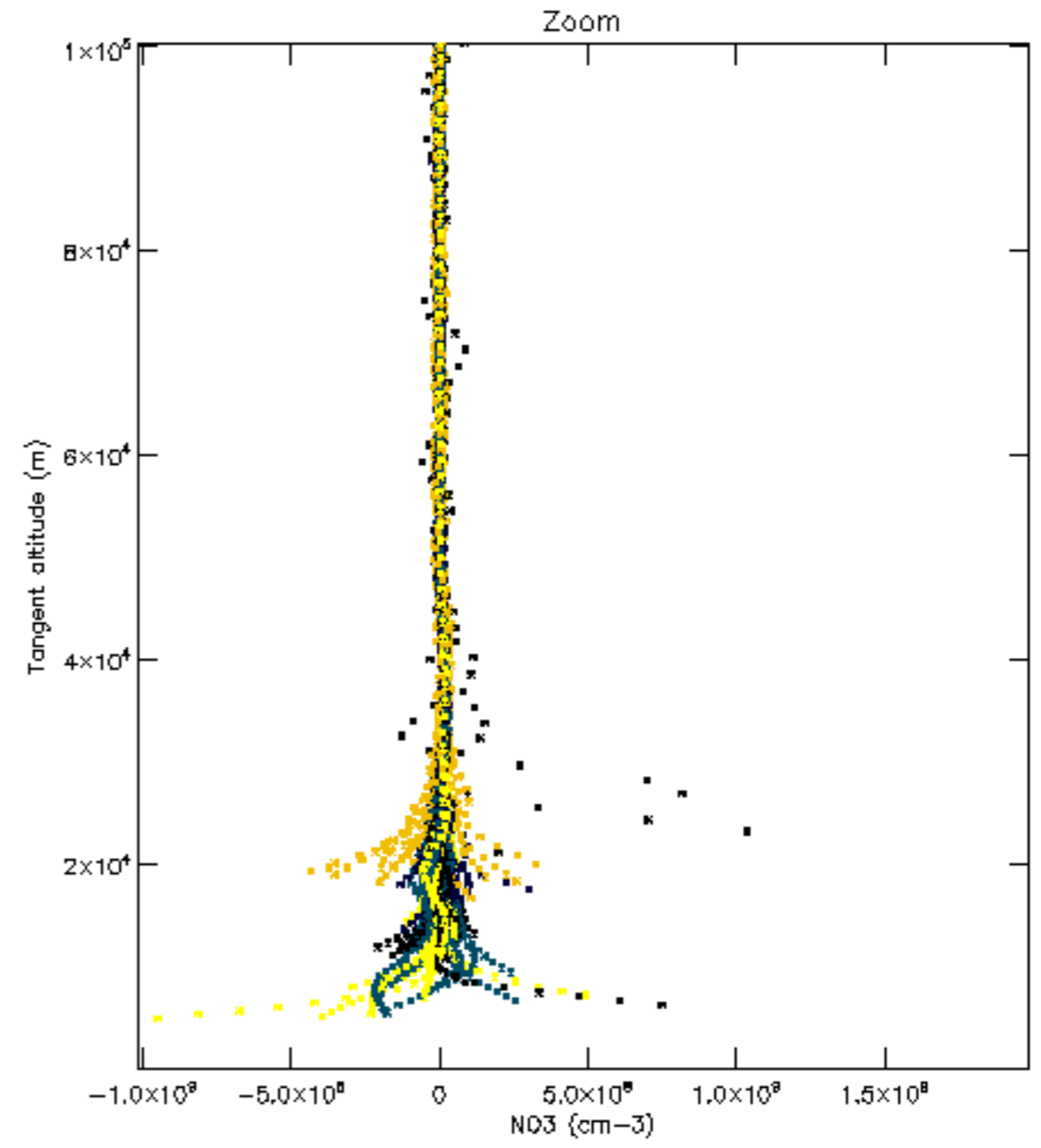
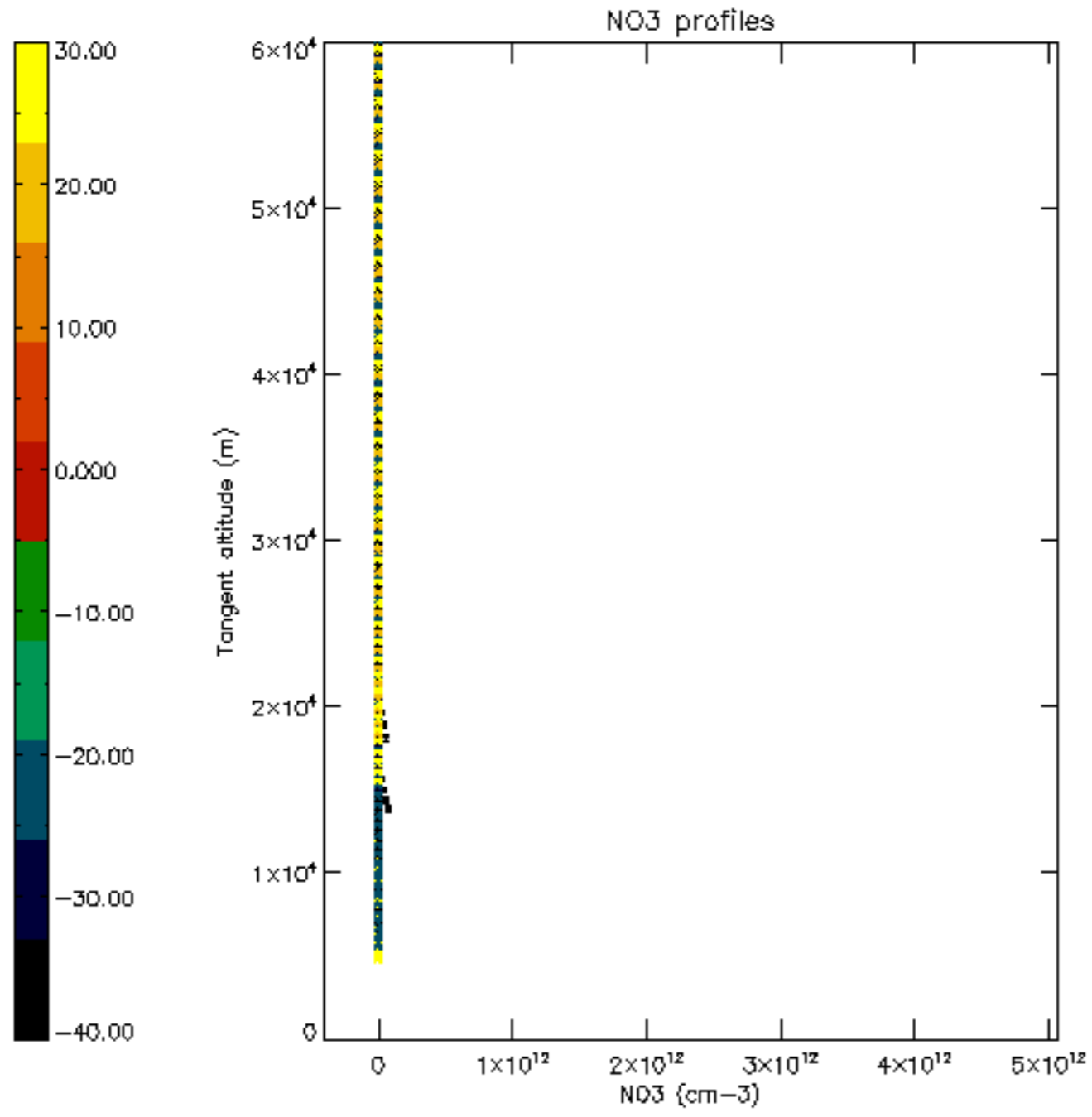


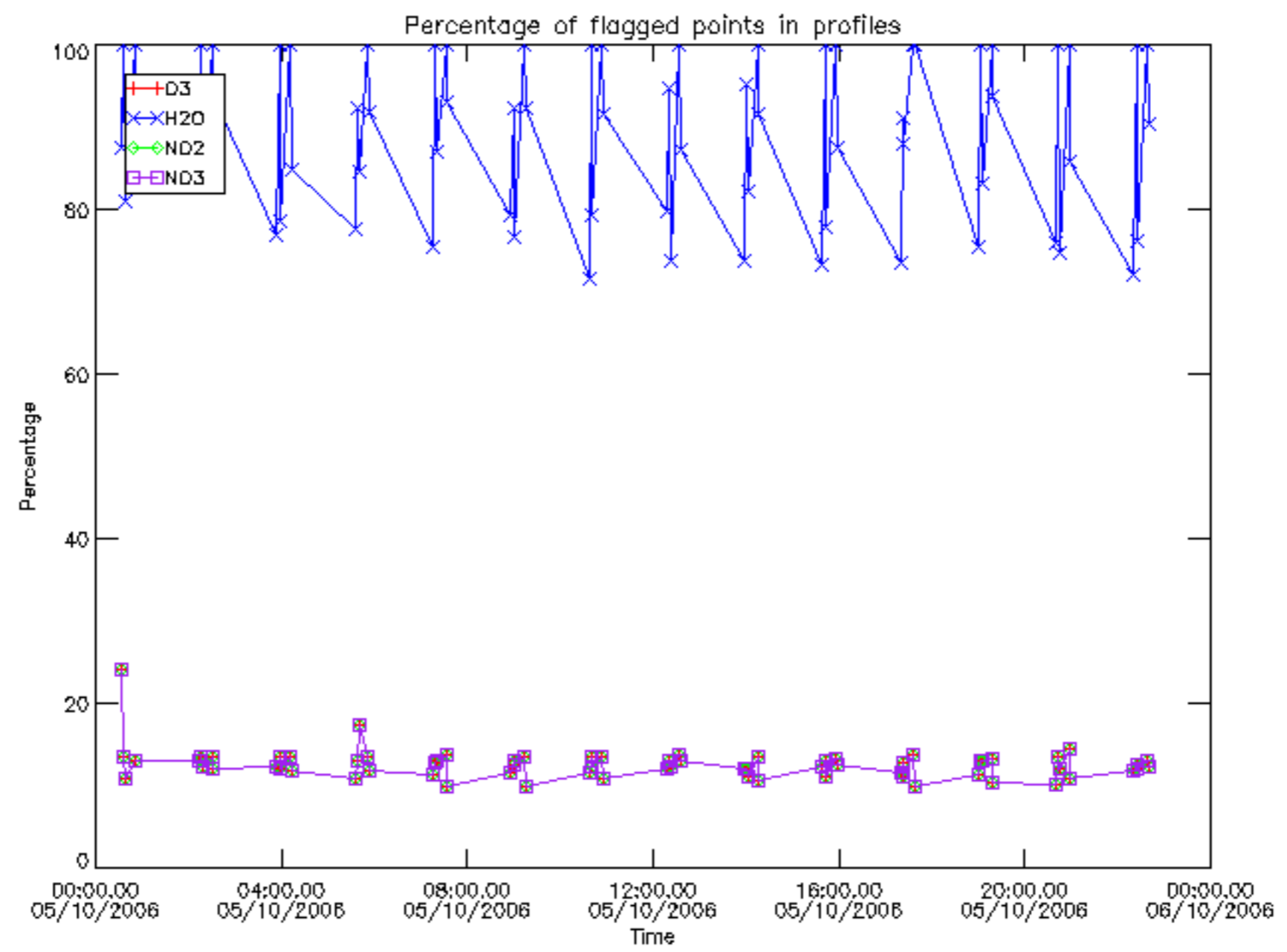




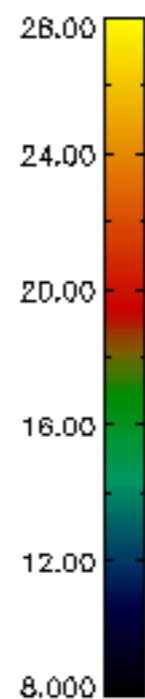
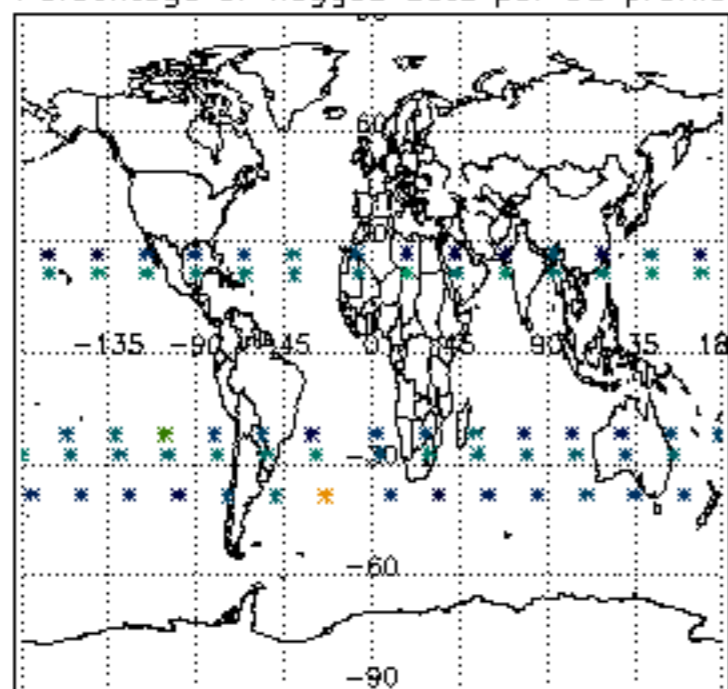




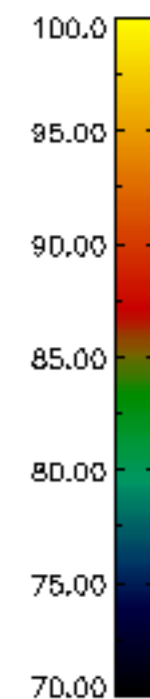
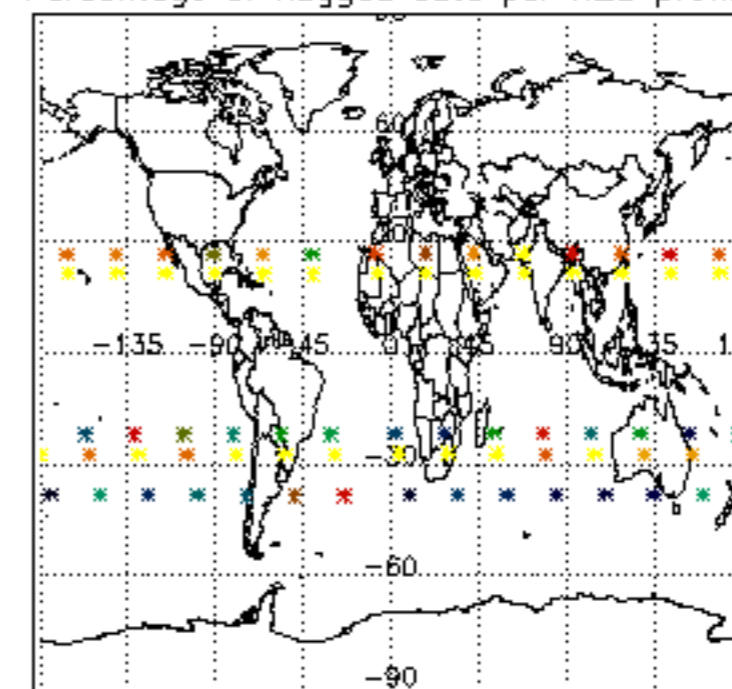




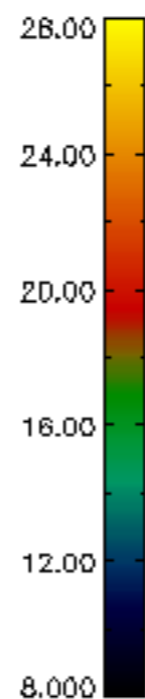
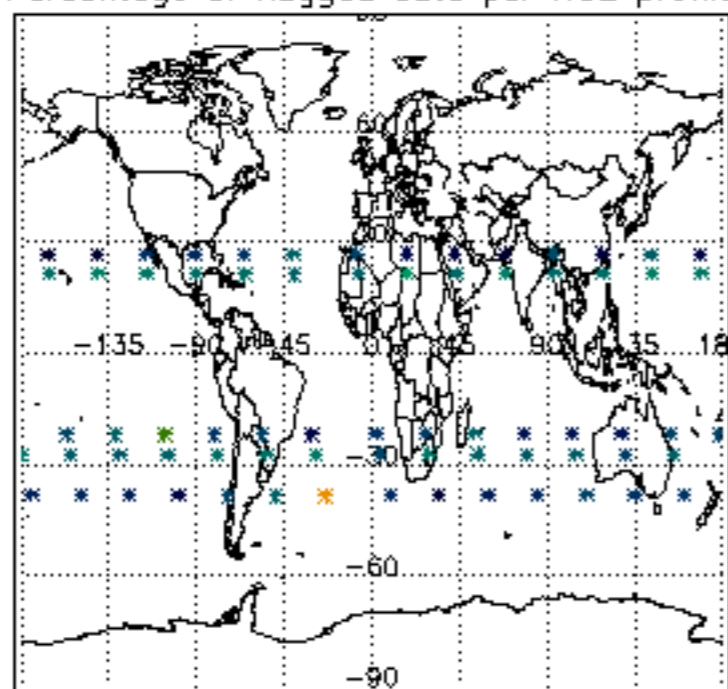
Percentage of flagged data per D3 profile



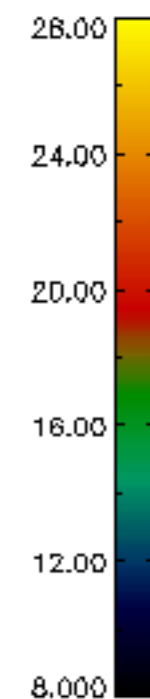
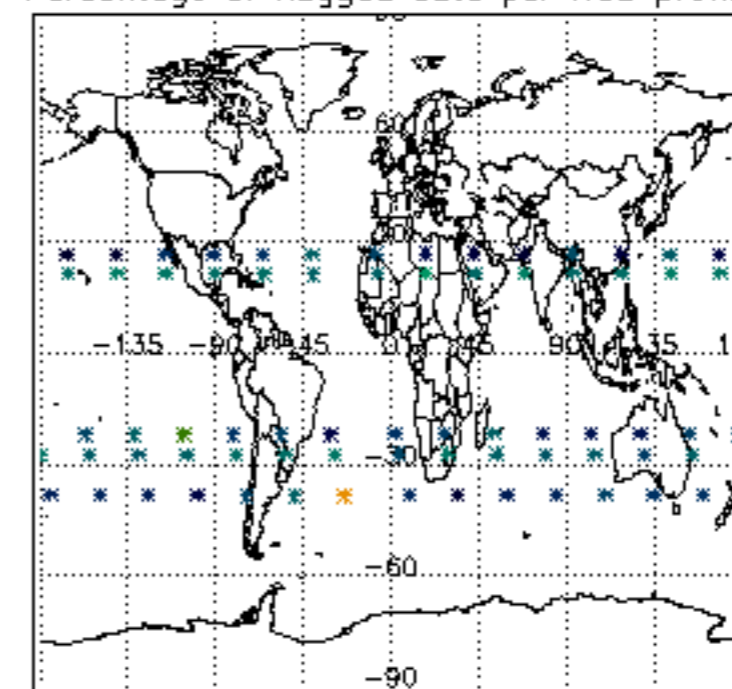
Percentage of flagged data per H2O profile

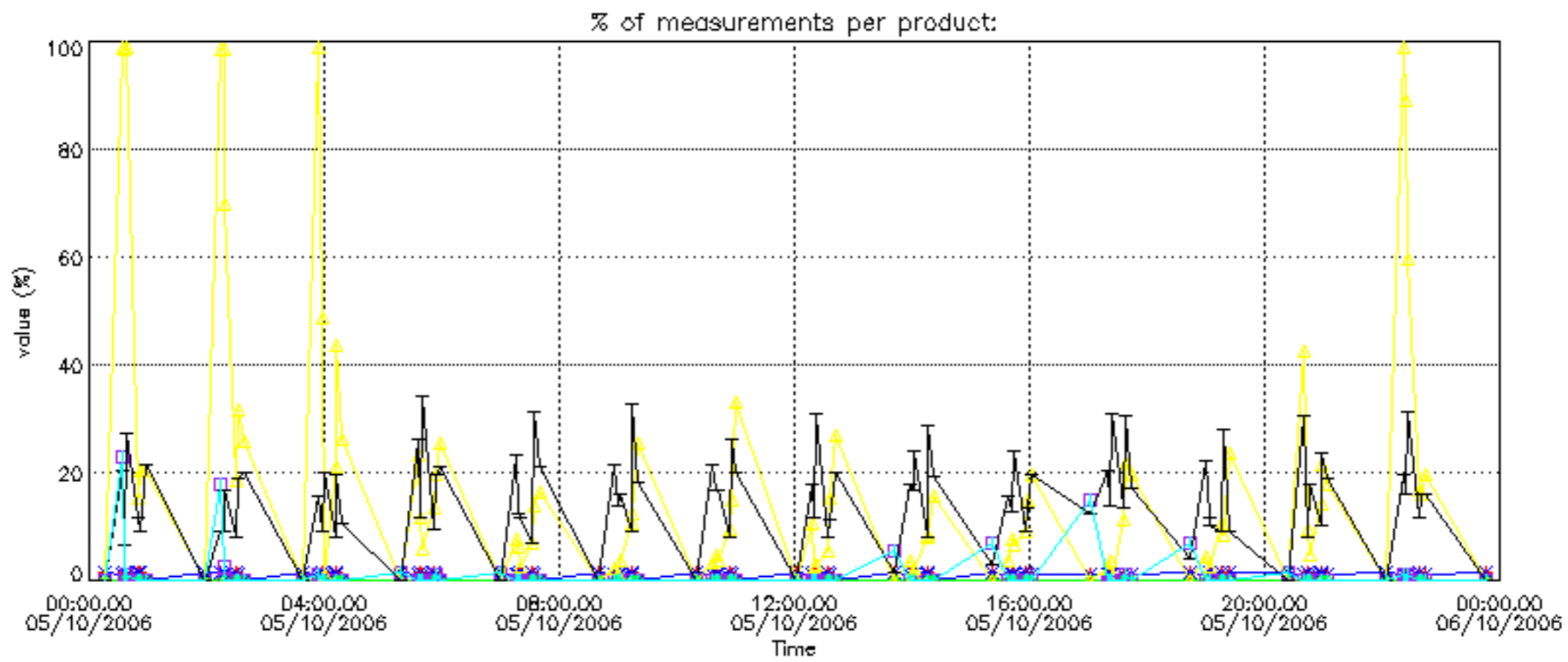


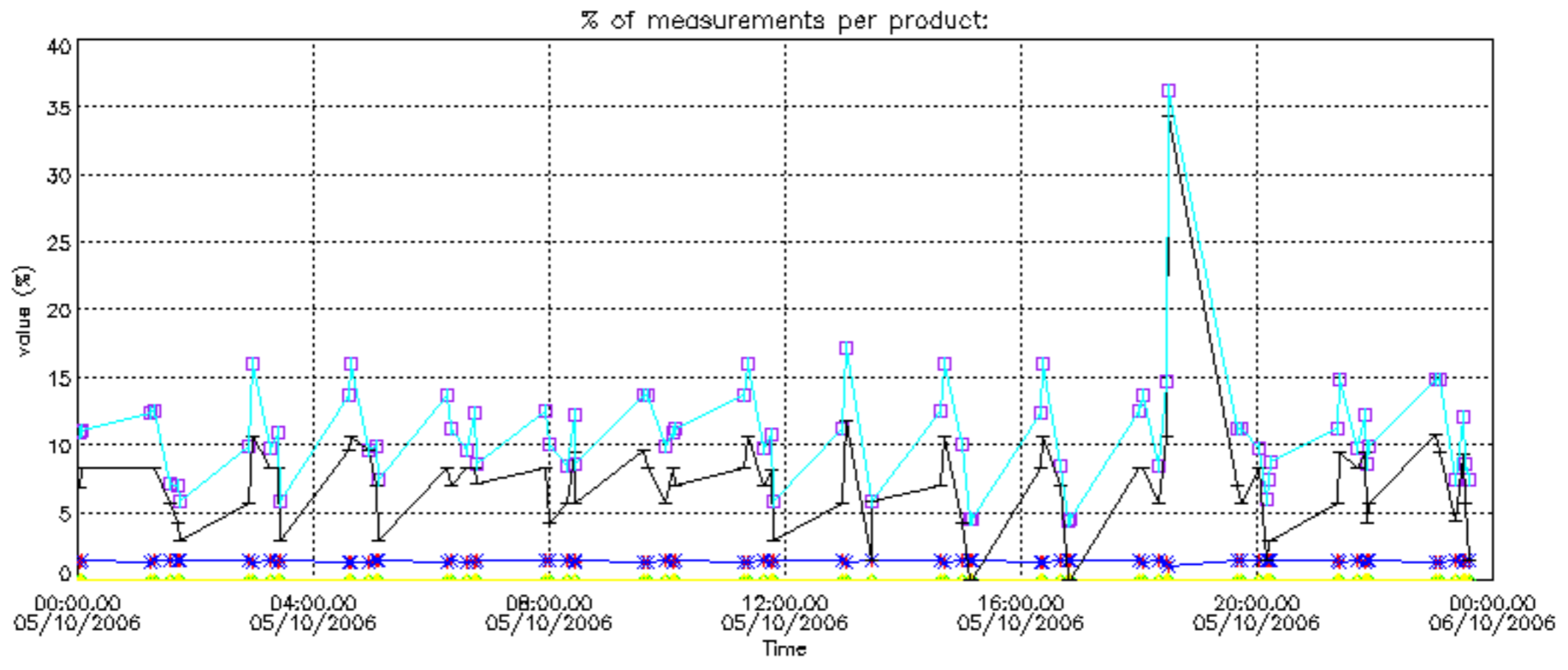
Percentage of flagged data per NO2 profile



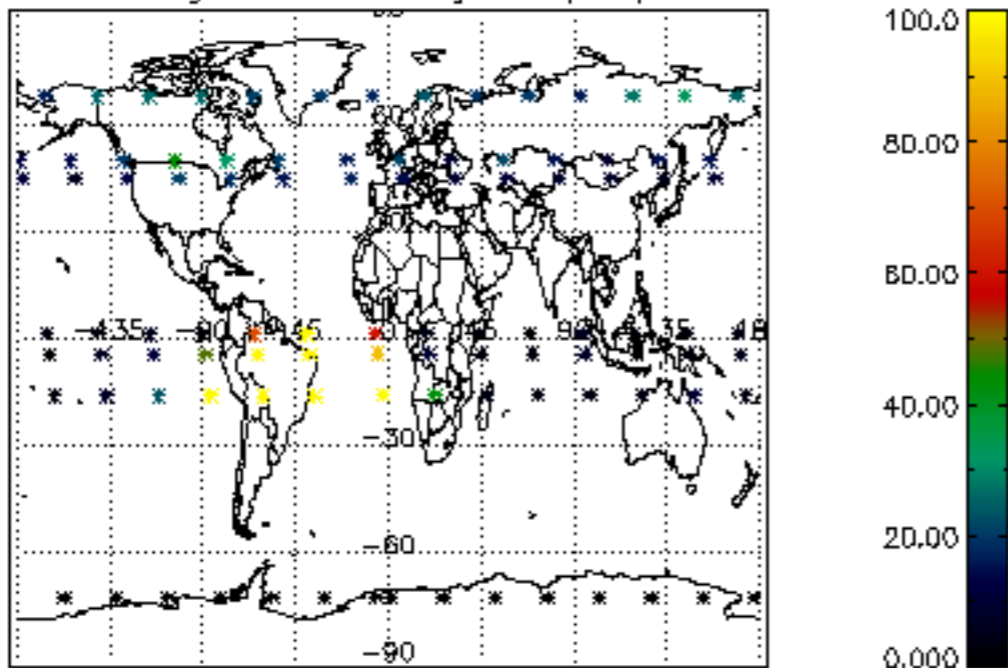
Percentage of flagged data per NO3 profile



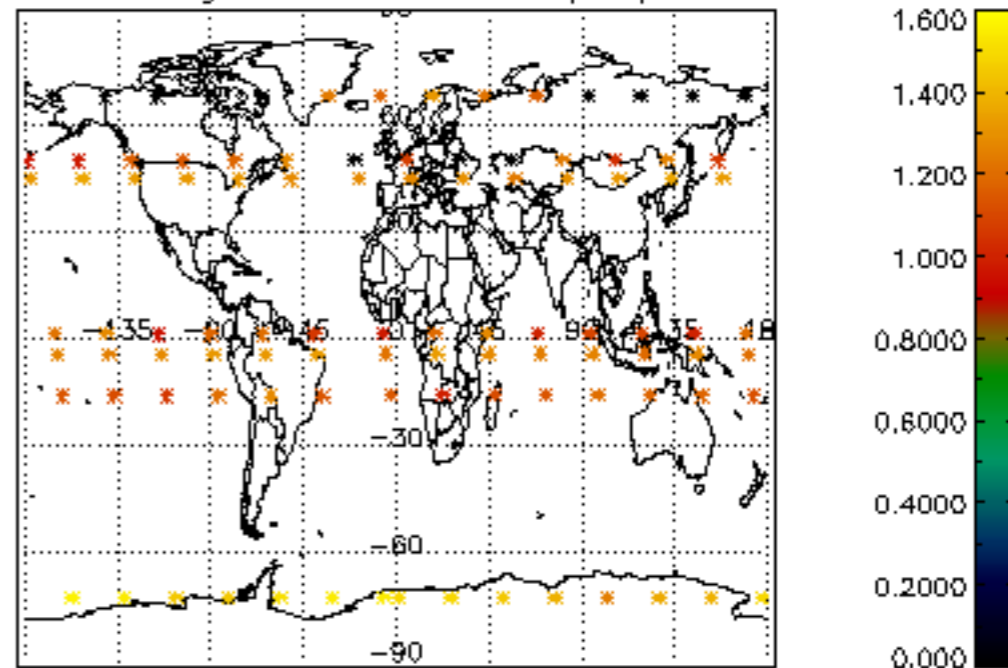




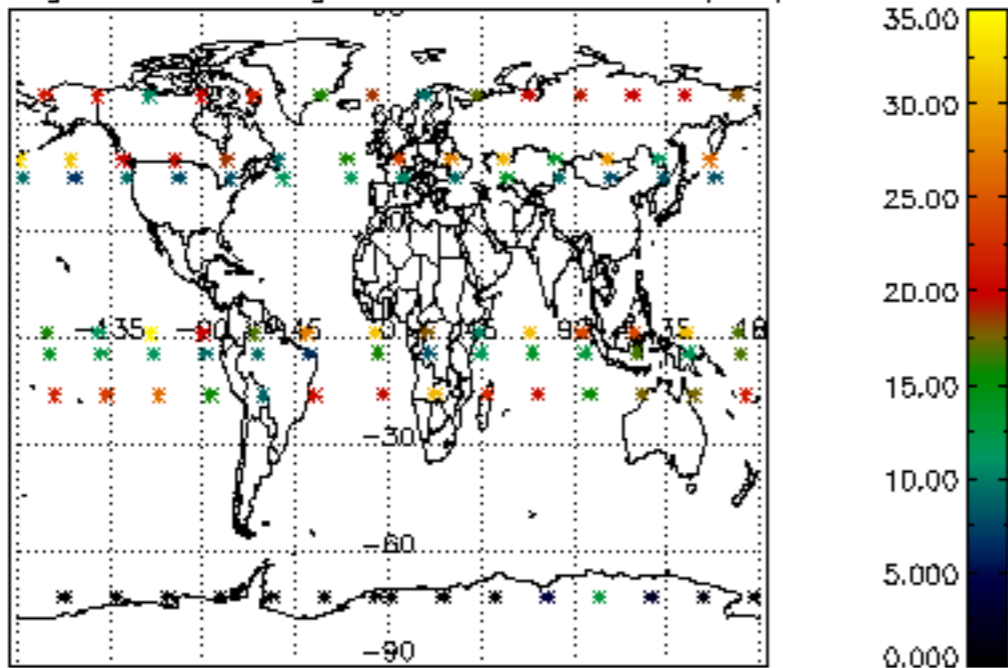
Percentage of cosmic ray hits per profile



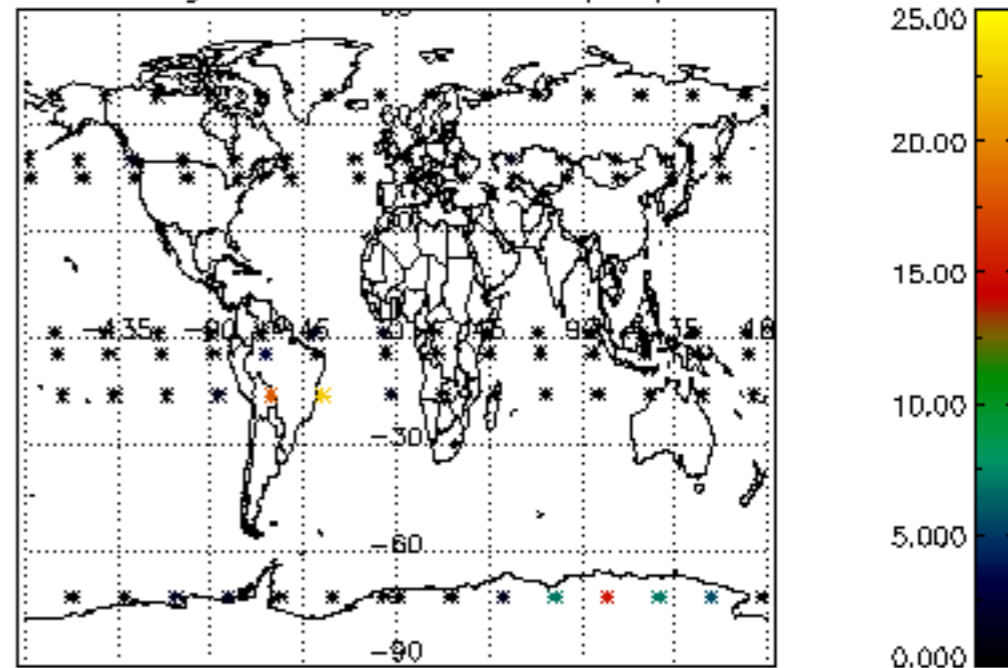
Percentage of datation errors per profile



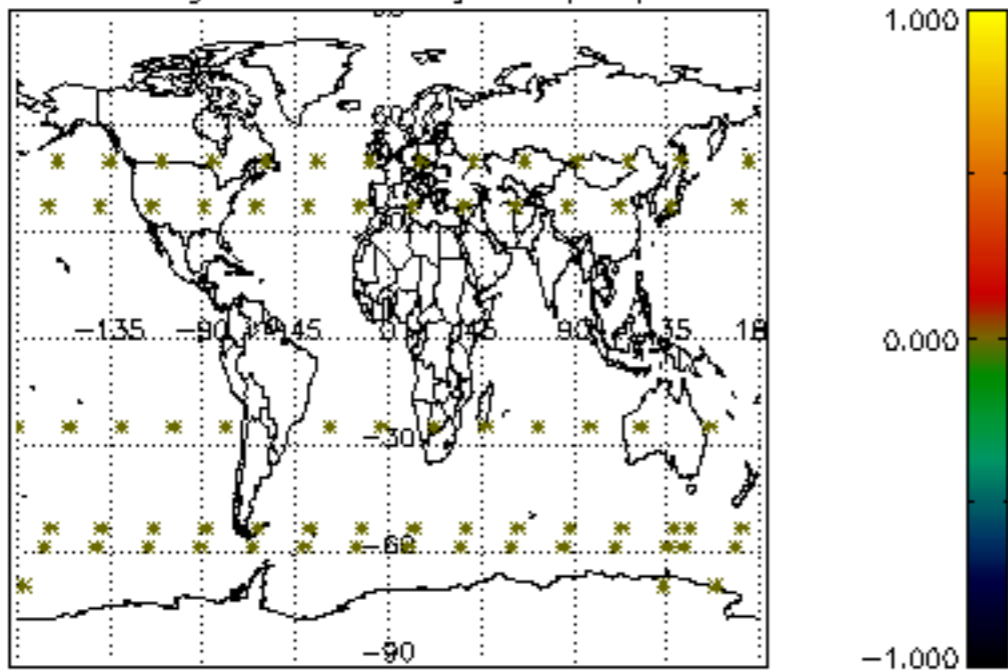
Percentage of star falling outside central band per profile



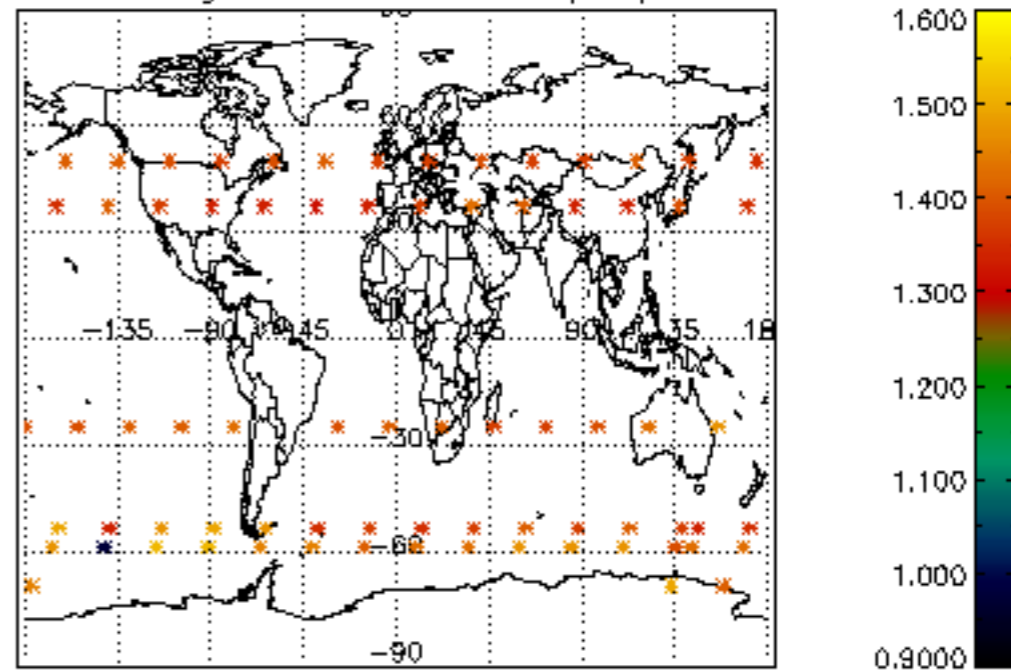
Percentage of saturation errors per profile



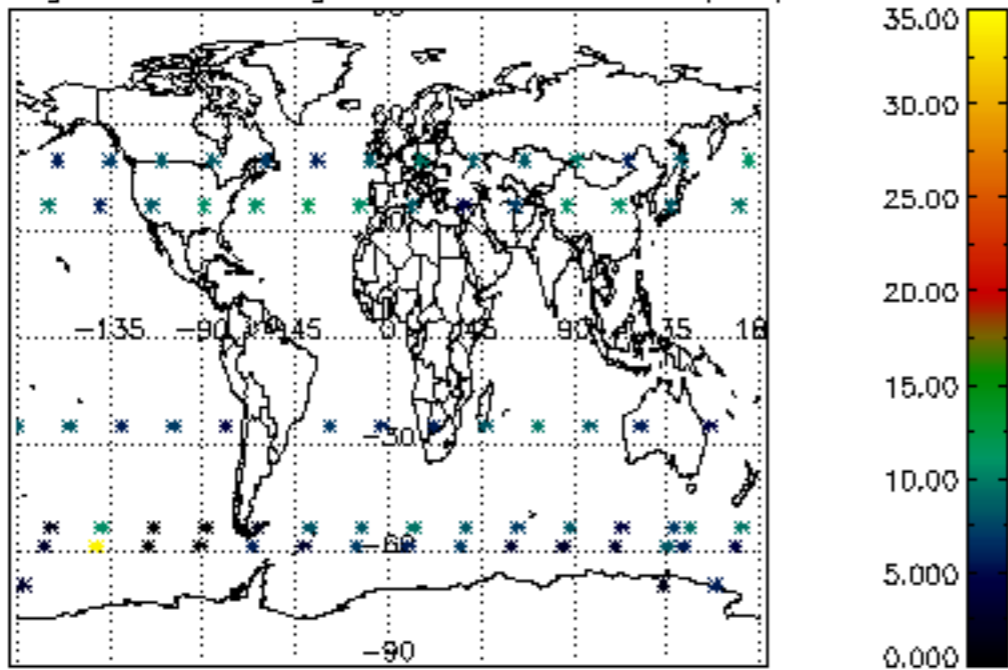
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

