

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 | 29APR2013 16:31:30 |
| Data source version | GOMOS/6.01 |
| Start time of products | 04-12-2010 (04DEC2010 00:00:00) |
| Stop time of products | 05-12-2010 (05DEC2010 00:00:00) |
| Store outputs in DB | Yes |
| Nb of level 2 prods | 299 |
| Nb of prods with errors | 0 |

2. Summary of processed GOM_NL__2P products.

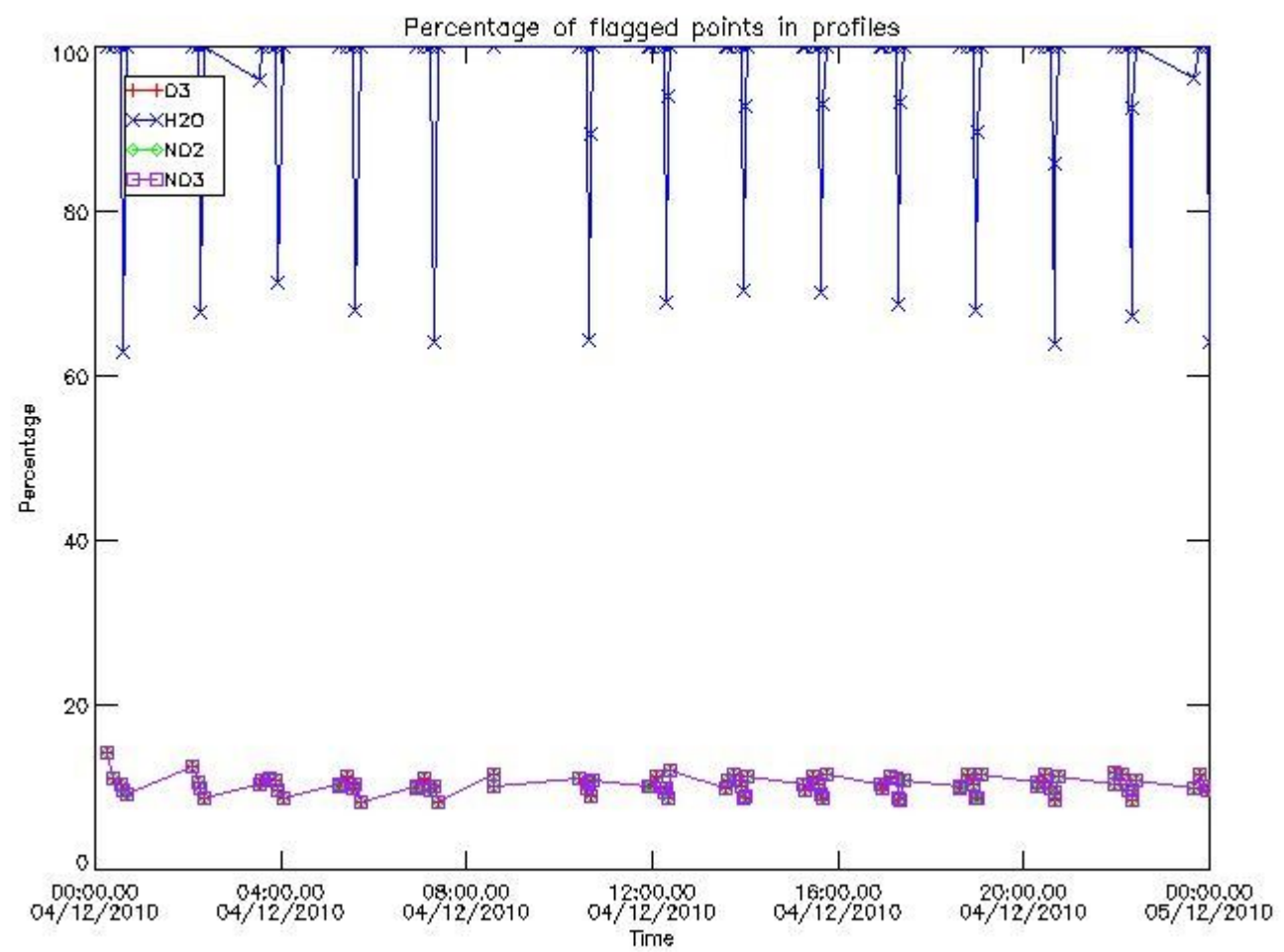
| Nr | Filename | UTC Start time | Limb | Duration | Star Id | Star Name | Star Mag | Star Temp | Nb Meas | Orbit | Prod. error |
|----|--|----------------------|---------------|----------|---------|-----------|----------|-----------|---------|-------|-------------|
| 1 | GOM_NL__2PRFIN20101204_000259_000000443097_00102_45806_9636.N1 | 04-DEC-2010 00:02:59 | Bright | 44.000 | 138 | 47Eps Vir | 2.8280 | 4700.0 | 88 | 45806 | No |
| 2 | GOM_NL__2PRFIN20101204_000727_000000473097_00102_45806_9637.N1 | 04-DEC-2010 00:07:27 | Bright | 46.500 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 93 | 45806 | No |
| 3 | GOM_NL__2PRFIN20101204_001451_000000473097_00102_45806_9638.N1 | 04-DEC-2010 00:14:51 | Dark | 46.500 | 171 | 2Eps Crv | 3.0010 | 4250.0 | 93 | 45806 | No |
| 4 | GOM_NL__2PRFIN20101204_002415_000000463097_00103_45807_9695.N1 | 04-DEC-2010 00:24:15 | Dark | 45.500 | 113 | Mu Vel | 2.6920 | 5000.0 | 91 | 45807 | No |
| 5 | GOM_NL__2PRFIN20101204_003253_000000493097_00103_45807_9696.N1 | 04-DEC-2010 00:32:53 | Dark | 49.000 | 34 | Gam2Vel | 1.7930 | 23000. | 98 | 45807 | No |
| 6 | GOM_NL__2PRFIN20101204_003600_000000533097_00103_45807_9697.N1 | 04-DEC-2010 00:36:00 | Dark | 53.000 | 2 | Alp Car | -0.73600 | 7000.0 | 106 | 45807 | No |
| 7 | GOM_NL__2PRFIN20101204_004143_000000553097_00103_45807_9698.N1 | 04-DEC-2010 00:41:43 | Dark | 55.000 | 23 | 21Eps CMa | 1.5020 | 26000. | 110 | 45807 | No |
| 8 | GOM_NL__2PRFIN20101204_004750_000000553097_00103_45807_9699.N1 | 04-DEC-2010 00:47:50 | Straylight | 54.500 | 101 | 11Alp Lep | 2.5820 | 7000.0 | 109 | 45807 | No |
| 9 | GOM_NL__2PRFIN20101204_005117_000000643097_00103_45807_9700.N1 | 04-DEC-2010 00:51:17 | Straylight | 63.500 | 7 | 19Bet Ori | 0.10000 | 14000. | 127 | 45807 | No |
| 10 | GOM_NL__2PRFIN20101204_005405_000000603097_00103_45807_9701.N1 | 04-DEC-2010 00:54:05 | Twi_and_stray | 60.000 | 30 | 46Eps Ori | 1.6940 | 30000. | 120 | 45807 | No |
| 11 | GOM_NL__2PRFIN20101204_005642_000000603097_00103_45807_9702.N1 | 04-DEC-2010 00:56:42 | Twi_and_stray | 60.000 | 27 | 24Gam Ori | 1.6360 | 26000. | 120 | 45807 | No |
| 12 | GOM_NL__2PRFIN20101204_005905_000000613097_00103_45807_9703.N1 | 04-DEC-2010 00:59:05 | Bright | 61.000 | 13 | 87Alp Tau | 0.86700 | 3800.0 | 122 | 45807 | No |
| 13 | GOM_NL__2PRFIN20101204_010049_000000383097_00103_45807_9704.N1 | 04-DEC-2010 01:00:49 | Bright | 38.000 | 146 | 25Eta Tau | 2.8730 | 15200. | 76 | 45807 | No |
| 14 | GOM_NL__2PRFIN20101204_010308_000000383097_00103_45807_9705.N1 | 04-DEC-2010 01:03:08 | Bright | 37.500 | 150 | 44Zet Per | 2.8900 | 28000. | 75 | 45807 | No |
| 15 | GOM_NL__2PRFIN20101204_010532_000000373097_00103_45807_9706.N1 | 04-DEC-2010 01:05:32 | Bright | 37.000 | 149 | 45Eps Per | 2.8880 | 30000. | 74 | 45807 | No |
| 16 | GOM_NL__2PRFIN20101204_010905_000000463097_00103_45807_9707.N1 | 04-DEC-2010 01:09:05 | Bright | 45.500 | 6 | 13Alp Aur | 0.080000 | 3400.0 | 91 | 45807 | No |
| 17 | GOM_NL__2PRFIN20101204_011041_000000513097_00103_45807_9708.N1 | 04-DEC-2010 01:10:41 | Bright | 51.000 | 42 | 34Bet Aur | 1.9000 | 10200. | 102 | 45807 | No |
| 18 | GOM_NL__2PRFIN20101204_012526_000000473097_00103_45807_9709.N1 | 04-DEC-2010 01:25:26 | Bright | 47.000 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 94 | 45807 | No |
| 19 | GOM_NL__2PRFIN20101204_012700_000000473097_00103_45807_9710.N1 | 04-DEC-2010 01:27:00 | Bright | 46.500 | 82 | 48Bet UMa | 2.3650 | 10600. | 93 | 45807 | No |
| 20 | GOM_NL__2PRFIN20101204_012850_000000413097_00103_45807_9711.N1 | 04-DEC-2010 01:28:50 | Bright | 41.000 | 32 | 77Eps UMa | 1.7630 | 11000. | 82 | 45807 | No |
| 21 | GOM_NL__2PRFIN20101204_013428_000000403097_00103_45807_9712.N1 | 04-DEC-2010 01:34:28 | Bright | 39.500 | 152 | 12Alp2CVn | 2.8900 | 11000. | 79 | 45807 | No |
| 22 | GOM_NL__2PRFIN20101204_014313_000000443097_00103_45807_9713.N1 | 04-DEC-2010 01:43:13 | Bright | 44.000 | 138 | 47Eps Vir | 2.8280 | 4700.0 | 88 | 45807 | No |
| 23 | GOM_NL__2PRFIN20101204_014741_000000493097_00103_45807_9714.N1 | 04-DEC-2010 01:47:41 | Bright | 49.000 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 98 | 45807 | No |
| 24 | GOM_NL__2PRFIN20101204_020430_000000453097_00104_45808_9786.N1 | 04-DEC-2010 02:04:30 | Dark | 45.000 | 113 | Mu Vel | 2.6920 | 5000.0 | 90 | 45808 | No |
| 25 | GOM_NL__2PRFIN20101204_021308_000000483097_00104_45808_9787.N1 | 04-DEC-2010 02:13:08 | Dark | 48.000 | 34 | Gam2Vel | 1.7930 | 23000. | 96 | 45808 | No |
| 26 | GOM_NL__2PRFIN20101204_021614_000000523097_00104_45808_9788.N1 | 04-DEC-2010 02:16:14 | Dark | 51.500 | 2 | Alp Car | -0.73600 | 7000.0 | 103 | 45808 | No |
| 27 | GOM_NL__2PRFIN20101204_022158_000000583097_00104_45808_9789.N1 | 04-DEC-2010 02:21:58 | Dark | 58.000 | 23 | 21Eps CMa | 1.5020 | 26000. | 116 | 45808 | No |
| 28 | GOM_NL__2PRFIN20101204_022804_000000513097_00104_45808_9790.N1 | 04-DEC-2010 02:28:04 | Straylight | 51.000 | 101 | 11Alp Lep | 2.5820 | 7000.0 | 102 | 45808 | No |
| 29 | GOM_NL__2PRFIN20101204_023131_000000563097_00104_45808_9791.N1 | 04-DEC-2010 02:31:31 | Straylight | 56.000 | 7 | 19Bet Ori | 0.10000 | 14000. | 112 | 45808 | No |
| 30 | GOM_NL__2PRFIN20101204_023418_000000623097_00104_45808_9792.N1 | 04-DEC-2010 02:34:18 | Twi_and_stray | 62.000 | 30 | 46Eps Ori | 1.6940 | 30000. | 124 | 45808 | No |
| 31 | GOM_NL__2PRFIN20101204_023655_000000623097_00104_45808_9793.N1 | 04-DEC-2010 02:36:55 | Twi_and_stray | 62.000 | 27 | 24Gam Ori | 1.6360 | 26000. | 124 | 45808 | No |
| 32 | GOM_NL__2PRFIN20101204_023919_000000613097_00104_45808_9794.N1 | 04-DEC-2010 02:39:19 | Bright | 61.000 | 13 | 87Alp Tau | 0.86700 | 3800.0 | 122 | 45808 | No |
| 33 | GOM_NL__2PRFIN20101204_024103_000000393097_00104_45808_9795.N1 | 04-DEC-2010 02:41:03 | Bright | 38.500 | 146 | 25Eta Tau | 2.8730 | 15200. | 77 | 45808 | No |
| 34 | GOM_NL__2PRFIN20101204_024322_000000393097_00104_45808_9796.N1 | 04-DEC-2010 02:43:22 | Bright | 38.500 | 150 | 44Zet Per | 2.8900 | 28000. | 77 | 45808 | No |
| 35 | GOM_NL__2PRFIN20101204_024545_000000363097_00104_45808_9797.N1 | 04-DEC-2010 02:45:45 | Bright | 36.000 | 149 | 45Eps Per | 2.8880 | 30000. | 72 | 45808 | No |
| 36 | GOM_NL__2PRFIN20101204_024918_000000503097_00104_45808_9798.N1 | 04-DEC-2010 02:49:18 | Bright | 49.500 | 6 | 13Alp Aur | 0.080000 | 3400.0 | 99 | 45808 | No |
| 37 | GOM_NL__2PRFIN20101204_025054_000000493097_00104_45808_9799.N1 | 04-DEC-2010 02:50:54 | Bright | 49.000 | 42 | 34Bet Aur | 1.9000 | 10200. | 98 | 45808 | No |
| 38 | GOM_NL__2PRFIN20101204_030539_000000473097_00104_45808_9800.N1 | 04-DEC-2010 03:05:39 | Bright | 46.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 93 | 45808 | No |
| 39 | GOM_NL__2PRFIN20101204_030713_000000483097_00104_45808_9801.N1 | 04-DEC-2010 03:07:13 | Bright | 48.000 | 82 | 48Bet UMa | 2.3650 | 10600. | 96 | 45808 | No |
| 40 | GOM_NL__2PRFIN20101204_030904_000000413097_00104_45808_9802.N1 | 04-DEC-2010 03:09:04 | Bright | 40.500 | 32 | 77Eps UMa | 1.7630 | 11000. | 81 | 45808 | No |
| 41 | GOM_NL__2PRFIN20101204_031442_000000413097_00104_45808_9803.N1 | 04-DEC-2010 03:14:42 | Bright | 40.500 | 152 | 12Alp2CVn | 2.8900 | 11000. | 81 | 45808 | No |
| 42 | GOM_NL__2PRFIN20101204_032328_000000443097_00104_45808_9804.N1 | 04-DEC-2010 03:23:28 | Bright | 44.000 | 138 | 47Eps Vir | 2.8280 | 4700.0 | 88 | 45808 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|----------------|--------|-----|-----------|----------|--------|-----|-------|----|
| 279 | GOM_NL__2PRFIN20101204_223054_000000543097_00116_45820_0261.N1 | 04-DEC-2010 22:30:54 | Straylight | 53.500 | 101 | 11Alp Lep | 2.5820 | 7000.0 | 107 | 45820 | No |
| 280 | GOM_NL__2PRFIN20101204_223419_000000653097_00116_45820_0262.N1 | 04-DEC-2010 22:34:19 | Straylight | 64.500 | 7 | 19Bet Ori | 0.10000 | 14000. | 129 | 45820 | No |
| 281 | GOM_NL__2PRFIN20101204_223939_000000333097_00116_45820_0263.N1 | 04-DEC-2010 22:39:39 | Twilight_stray | 33.000 | 27 | 24Gam Ori | 1.6360 | 26000. | 66 | 45820 | No |
| 282 | GOM_NL__2PRFIN20101204_224204_000000573097_00116_45820_0264.N1 | 04-DEC-2010 22:42:04 | Bright | 56.500 | 13 | 87Alp Tau | 0.86700 | 3800.0 | 113 | 45820 | No |
| 283 | GOM_NL__2PRFIN20101204_224351_000000393097_00116_45820_0265.N1 | 04-DEC-2010 22:43:51 | Bright | 38.500 | 146 | 25Eta Tau | 2.8730 | 15200. | 77 | 45820 | No |
| 284 | GOM_NL__2PRFIN20101204_224609_000000383097_00116_45820_0266.N1 | 04-DEC-2010 22:46:09 | Bright | 37.500 | 150 | 44Zet Per | 2.8900 | 28000. | 75 | 45820 | No |
| 285 | GOM_NL__2PRFIN20101204_224742_000000453097_00116_45820_0267.N1 | 04-DEC-2010 22:47:42 | Bright | 45.000 | 114 | 3Iot Aur | 2.6930 | 4600.0 | 90 | 45820 | No |
| 286 | GOM_NL__2PRFIN20101204_225036_000000363097_00116_45820_0268.N1 | 04-DEC-2010 22:50:36 | Bright | 36.000 | 175 | 39Del Per | 3.0100 | 19400. | 72 | 45820 | No |
| 287 | GOM_NL__2PRFIN20101204_225200_000000493097_00116_45820_0269.N1 | 04-DEC-2010 22:52:00 | Bright | 48.500 | 6 | 13Alp Aur | 0.080000 | 3400.0 | 97 | 45820 | No |
| 288 | GOM_NL__2PRFIN20101204_230823_000000453097_00116_45820_0270.N1 | 04-DEC-2010 23:08:23 | Bright | 45.000 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 90 | 45820 | No |
| 289 | GOM_NL__2PRFIN20101204_230957_000000463097_00116_45820_0271.N1 | 04-DEC-2010 23:09:57 | Bright | 45.500 | 82 | 48Bet UMa | 2.3650 | 10600. | 91 | 45820 | No |
| 290 | GOM_NL__2PRFIN20101204_231151_000000413097_00116_45820_0272.N1 | 04-DEC-2010 23:11:51 | Bright | 41.000 | 32 | 77Eps UMa | 1.7630 | 11000. | 82 | 45820 | No |
| 291 | GOM_NL__2PRFIN20101204_231402_000000393097_00116_45820_0273.N1 | 04-DEC-2010 23:14:02 | Bright | 39.000 | 39 | 85Eta UMa | 1.8540 | 24000. | 78 | 45820 | No |
| 292 | GOM_NL__2PRFIN20101204_231732_000000423097_00116_45820_0274.N1 | 04-DEC-2010 23:17:32 | Bright | 42.000 | 152 | 12Alp2CVn | 2.8900 | 11000. | 84 | 45820 | No |
| 293 | GOM_NL__2PRFIN20101204_232307_000000543097_00116_45820_0275.N1 | 04-DEC-2010 23:23:07 | Bright | 53.500 | 111 | 8Eta Boo | 2.6800 | 6000.0 | 107 | 45820 | No |
| 294 | GOM_NL__2PRFIN20101204_232621_000000443097_00116_45820_0276.N1 | 04-DEC-2010 23:26:21 | Bright | 44.000 | 138 | 47Eps Vir | 2.8280 | 4700.0 | 88 | 45820 | No |
| 295 | GOM_NL__2PRFIN20101204_233053_000000483097_00116_45820_0277.N1 | 04-DEC-2010 23:30:53 | Bright | 48.000 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 96 | 45820 | No |
| 296 | GOM_NL__2PRFIN20101204_233820_000000513097_00116_45820_0278.N1 | 04-DEC-2010 23:38:20 | Dark | 51.000 | 171 | 2Eps Crv | 3.0010 | 4250.0 | 102 | 45820 | No |
| 297 | GOM_NL__2PRFIN20101204_234743_000000443097_00117_45821_0292.N1 | 04-DEC-2010 23:47:43 | Dark | 44.000 | 113 | Mu Vel | 2.6920 | 5000.0 | 88 | 45821 | No |
| 298 | GOM_NL__2PRFIN20101204_235621_000000533097_00117_45821_0293.N1 | 04-DEC-2010 23:56:21 | Dark | 53.000 | 34 | Gam2Vel | 1.7930 | 23000. | 106 | 45821 | No |
| 299 | GOM_NL__2PRFIN20101204_235923_000000513097_00117_45821_0294.N1 | 04-DEC-2010 23:59:23 | Dark | 50.500 | 2 | Alp Car | -0.73600 | 7000.0 | 101 | 45821 | No |

3. Quality information per product

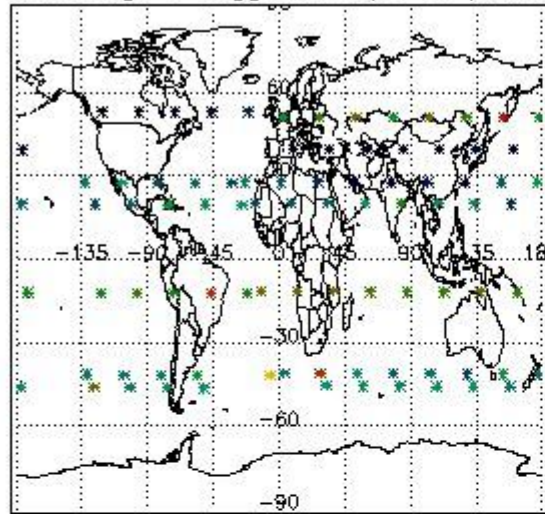
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

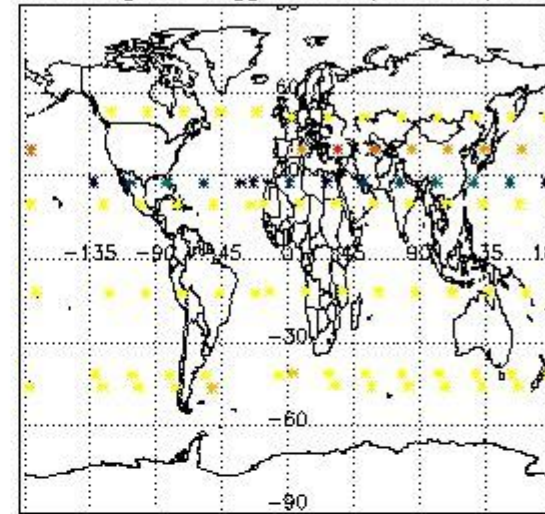


3.2 Plot quality information per product (world map)

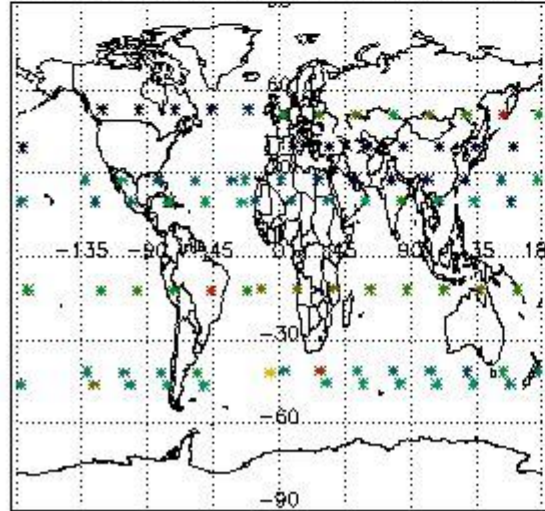
Percentage of flagged data per O3 profile



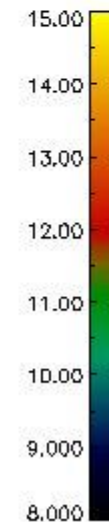
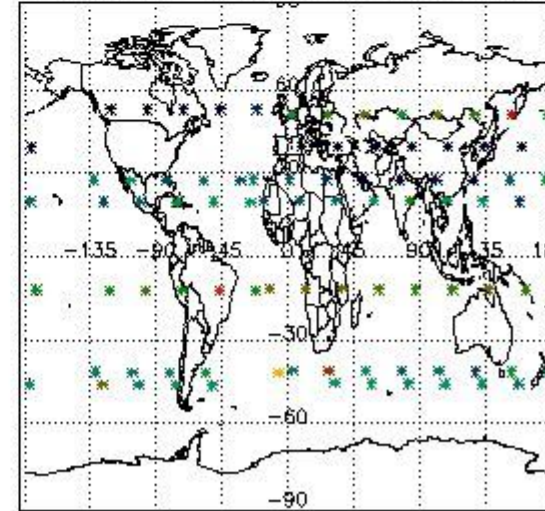
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

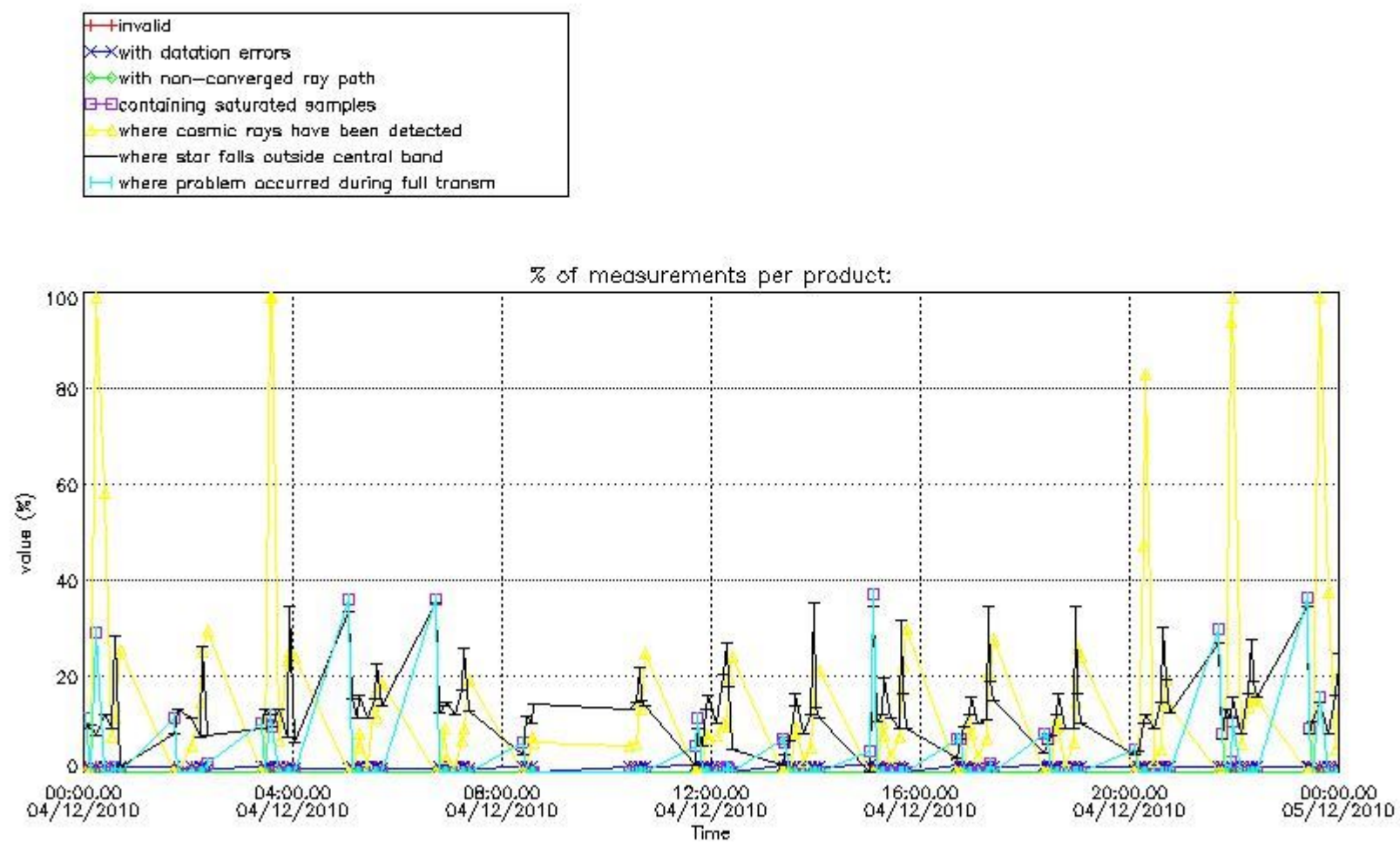


4. Level 1 quality information per product

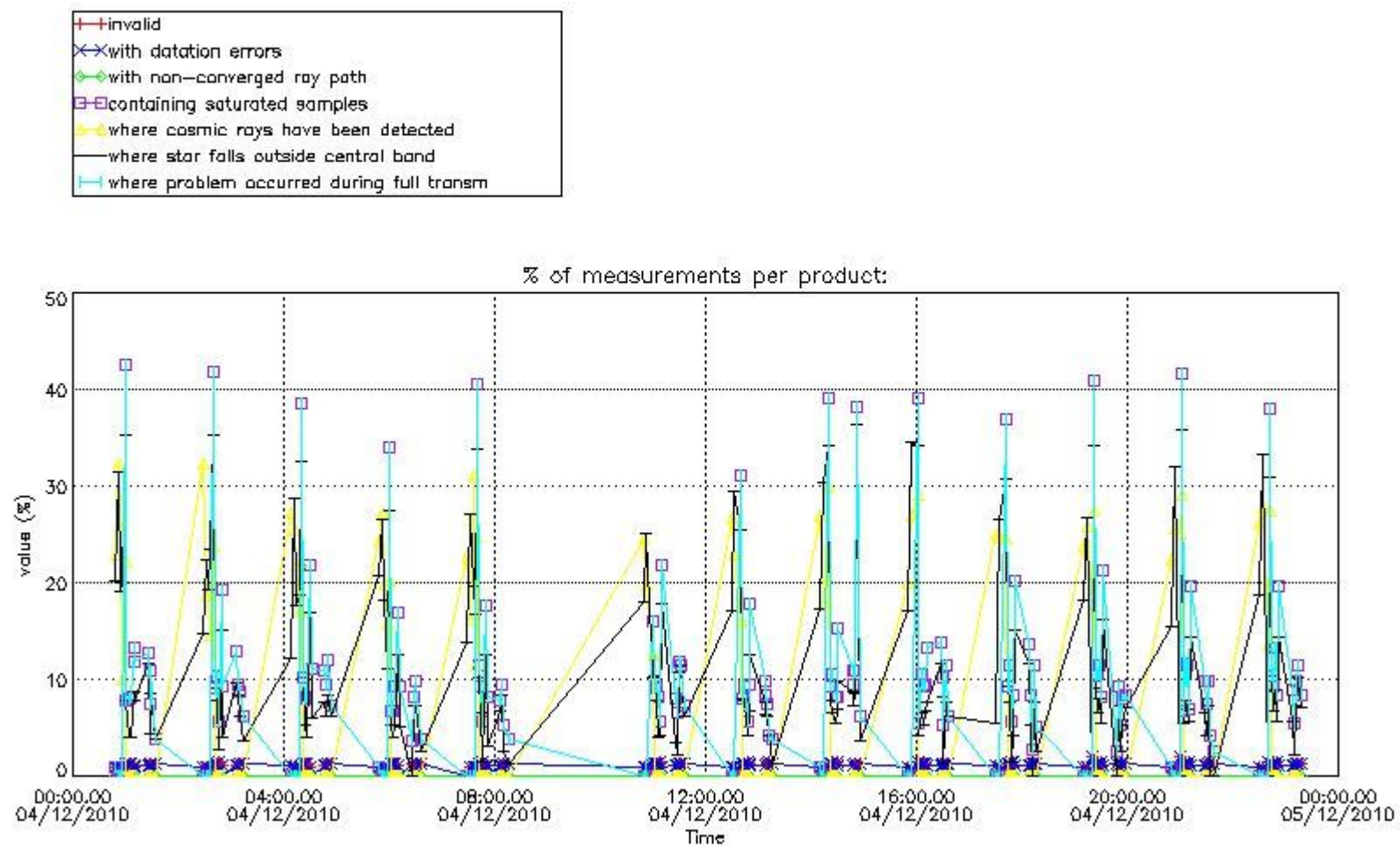
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



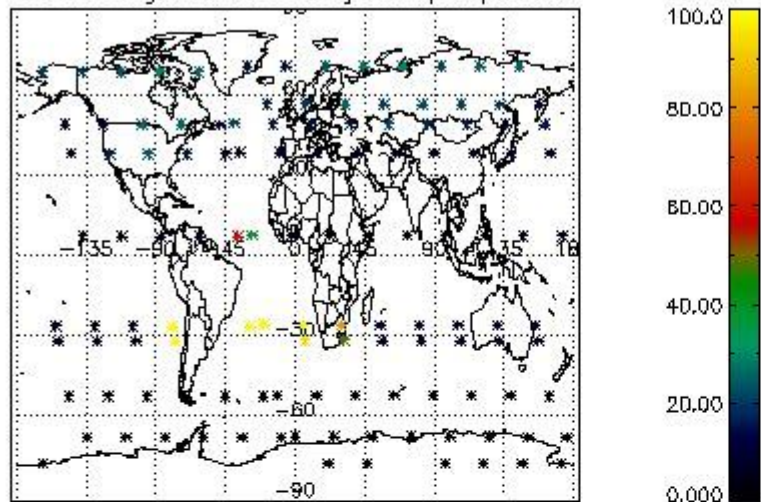
4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



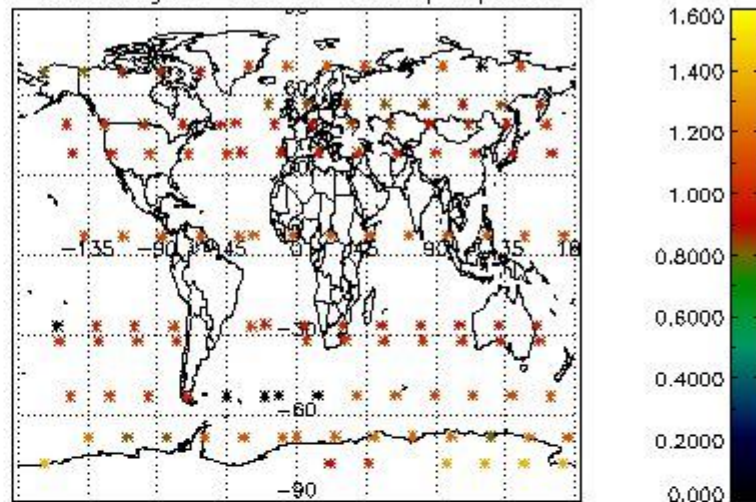
4.2 Plot quality information per product coming from level 1b processing (world map)

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

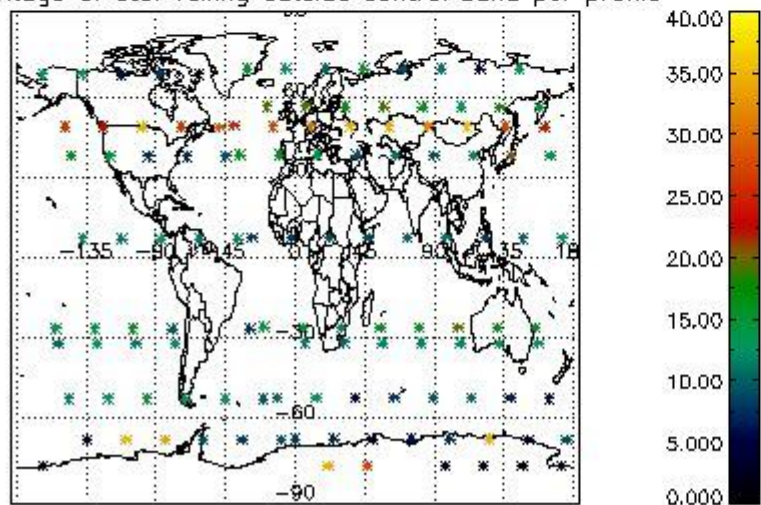
Percentage of cosmic ray hits per profile



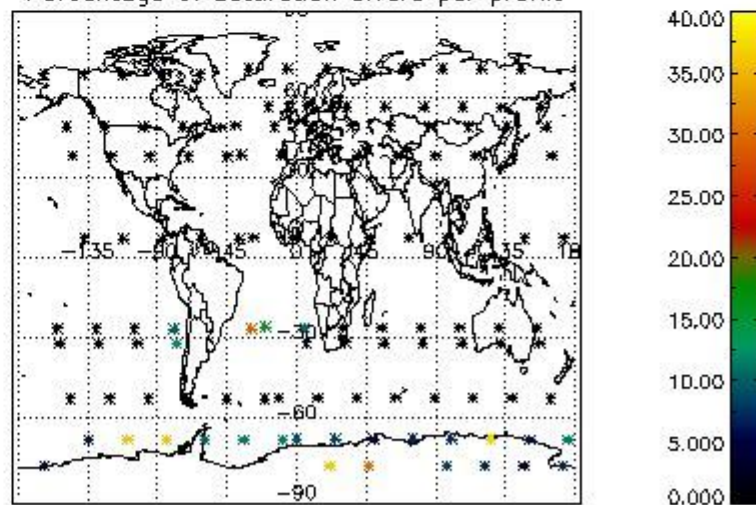
Percentage of datation errors per profile



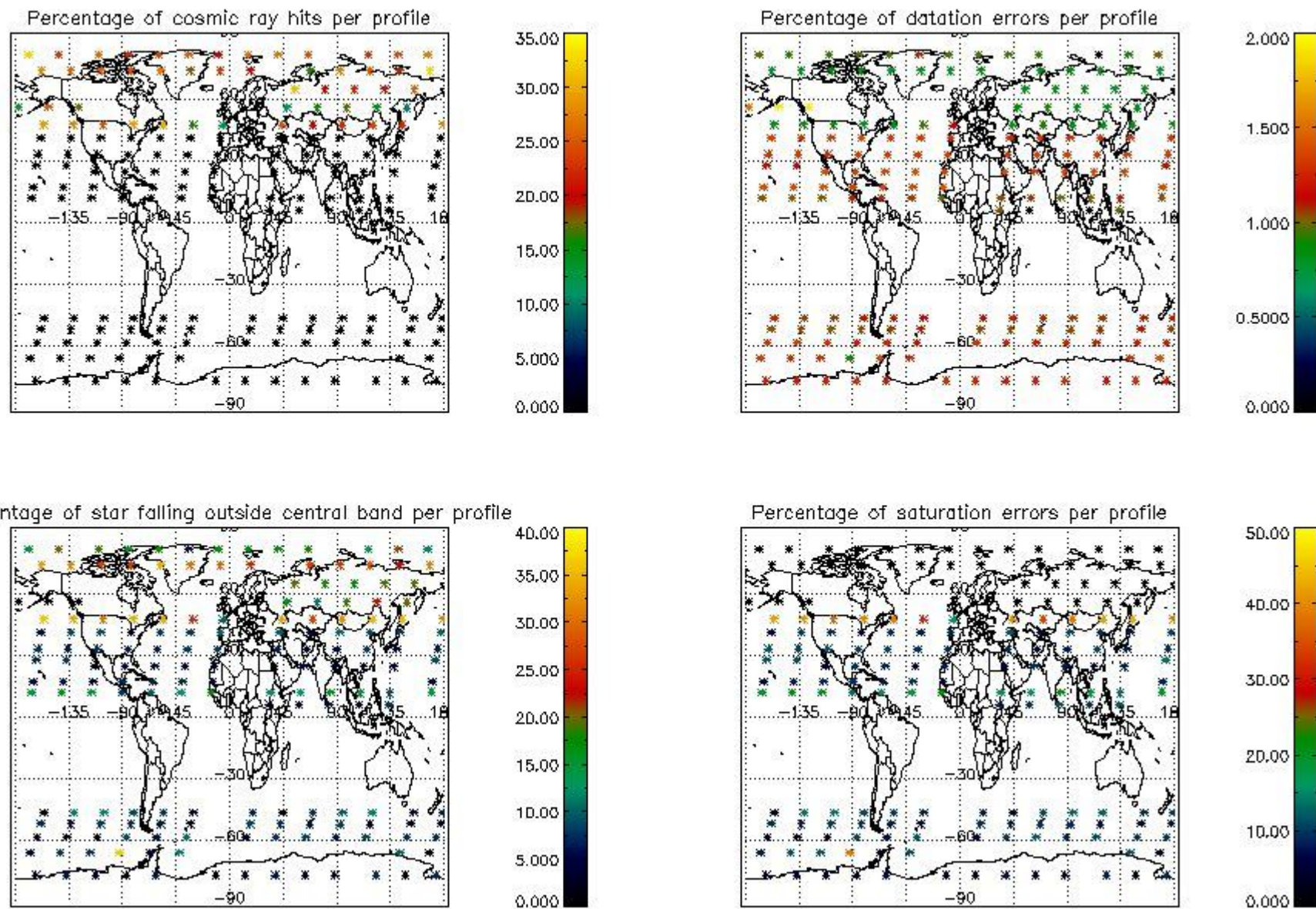
Percentage of star falling outside central band per profile



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

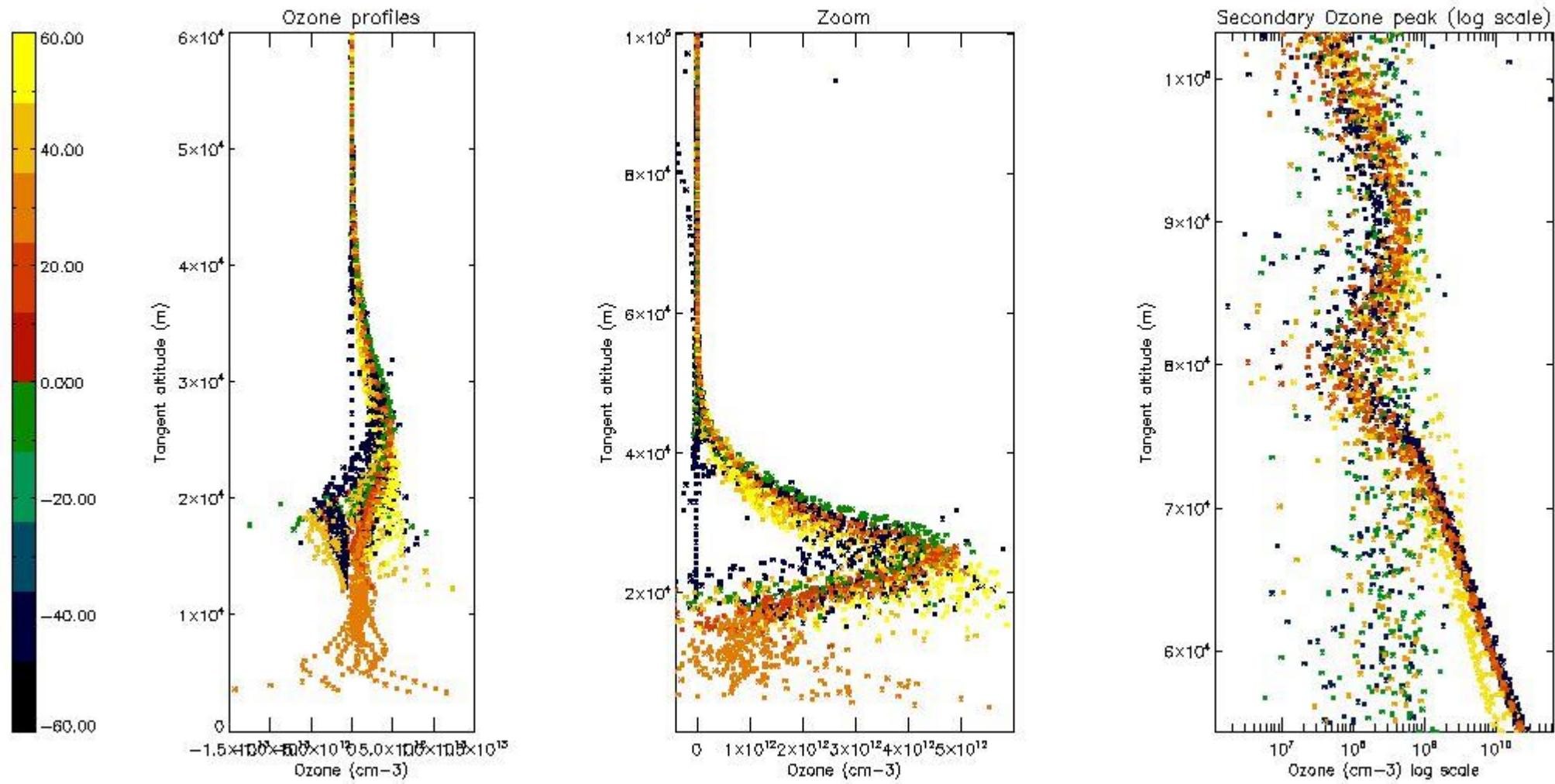
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

| Criteria | % of total production |
|----------|-----------------------|
| All STD | 32 |
| STD < 20 | 16 |

| | |
|----------|----|
| STD < 10 | 12 |
| STD < 5 | 8 |

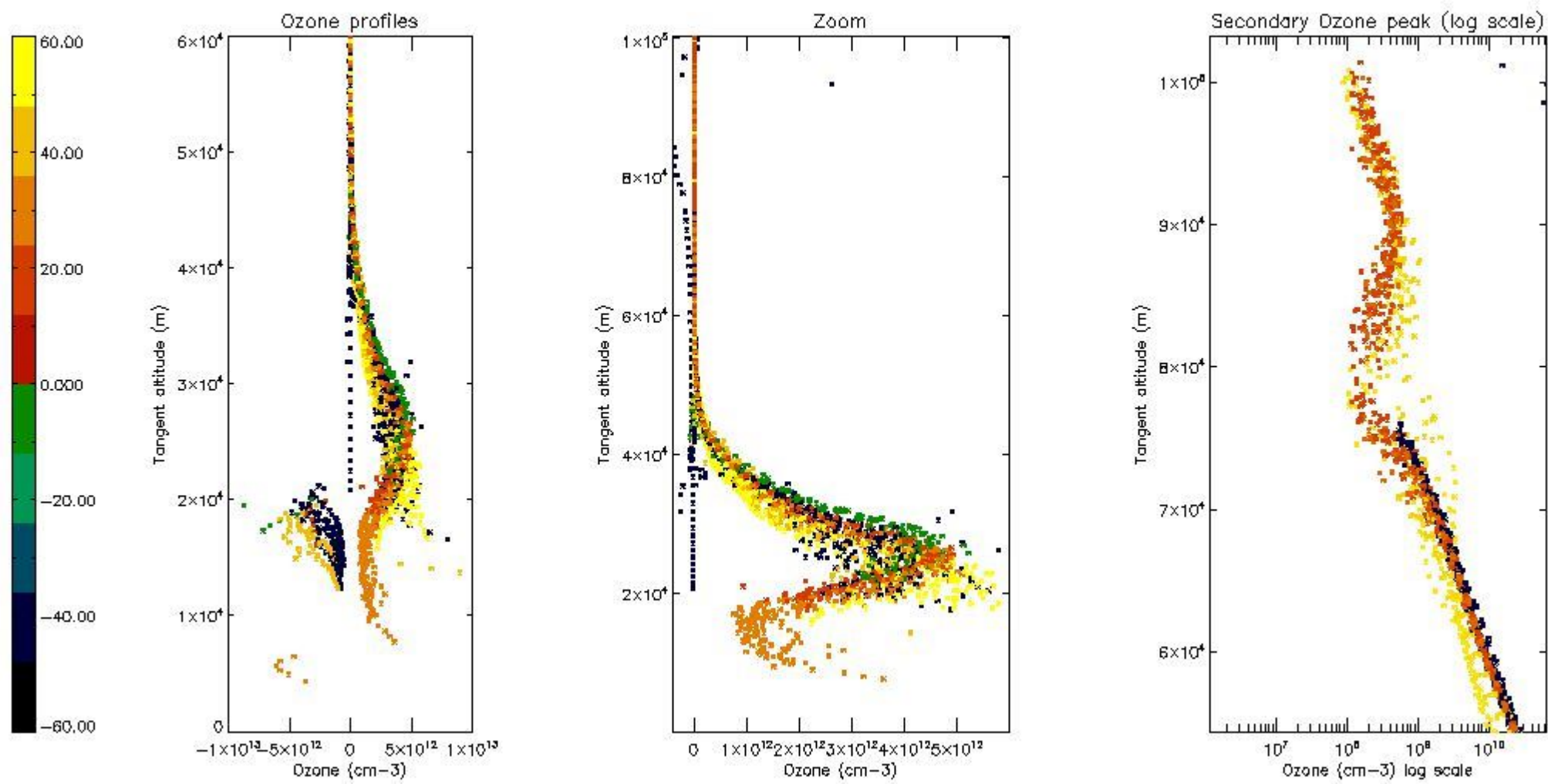
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



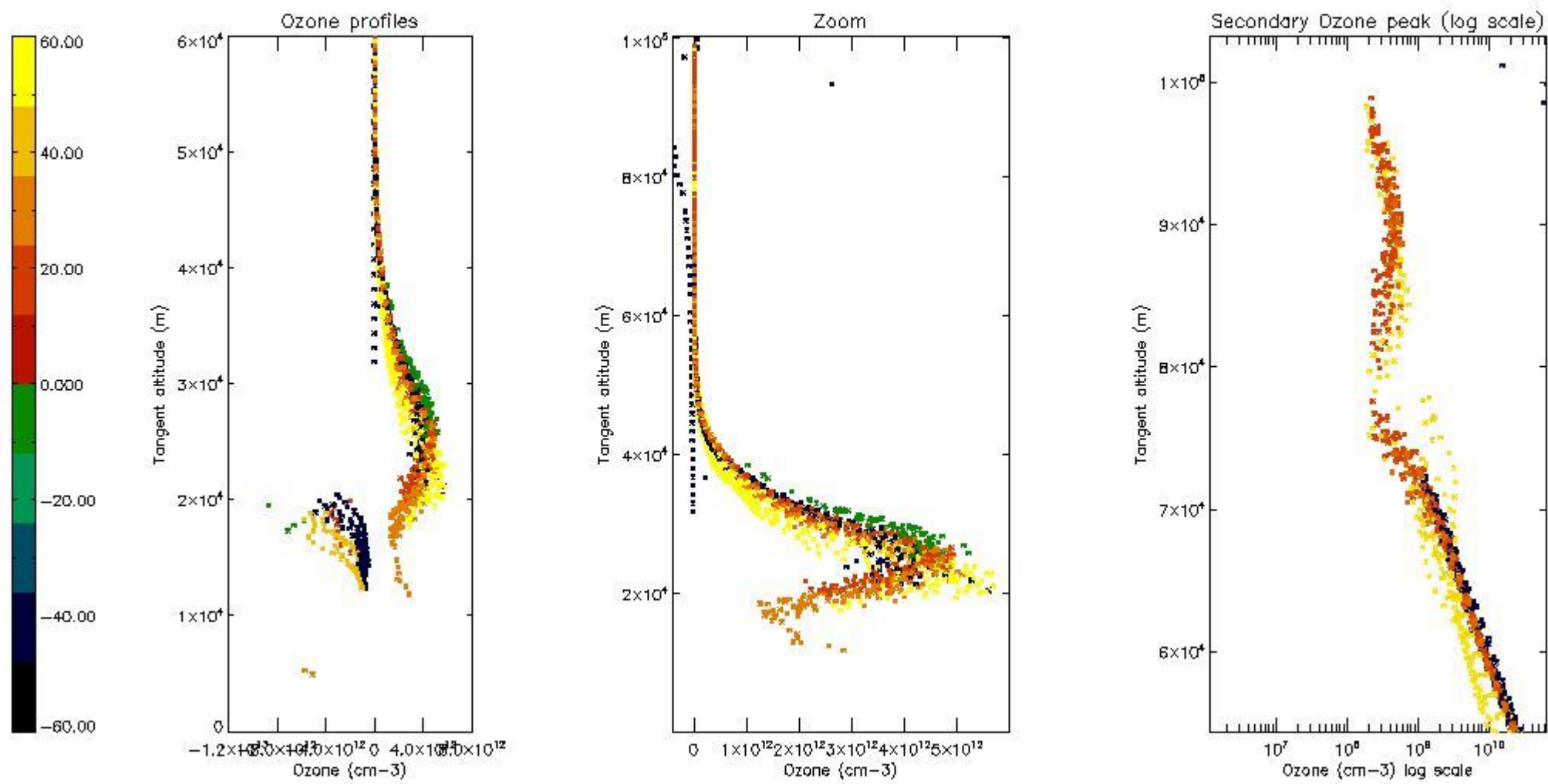
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



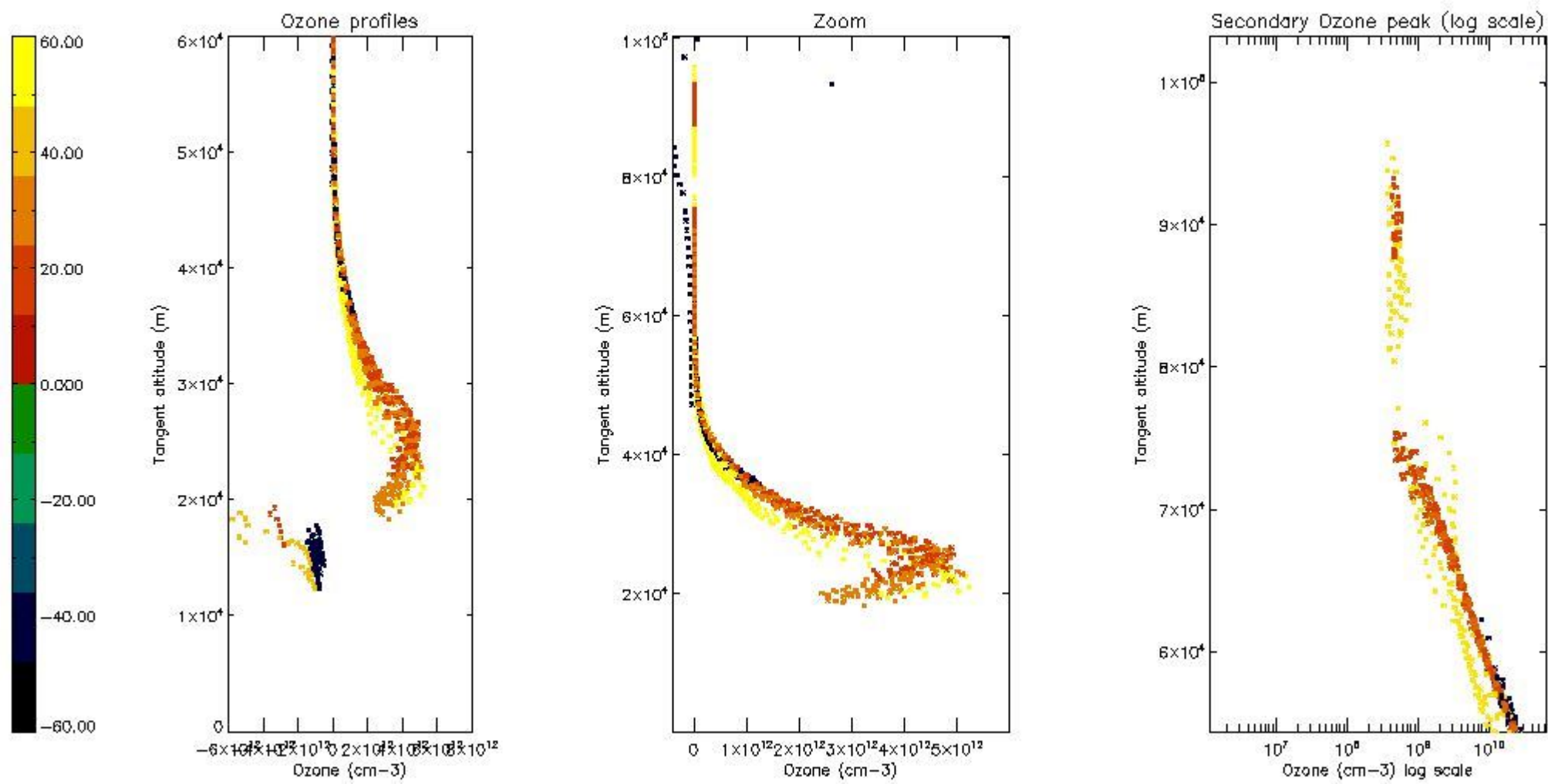
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



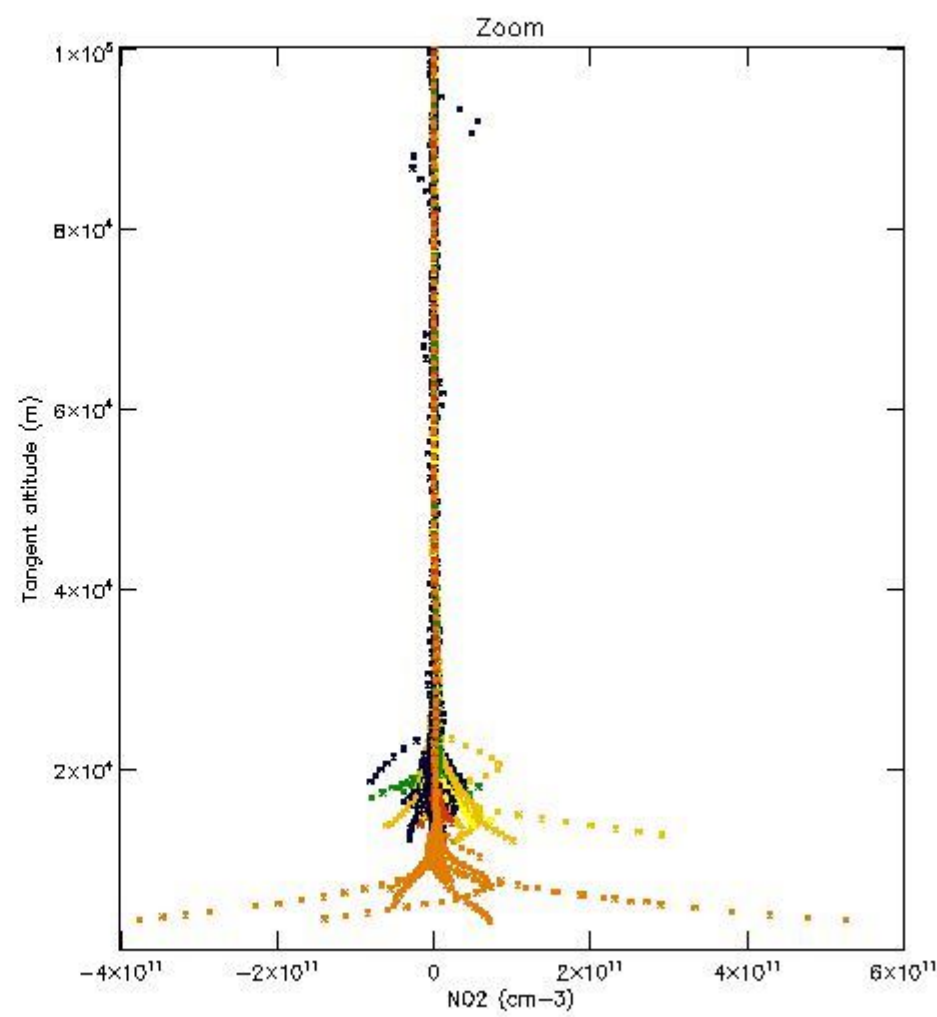
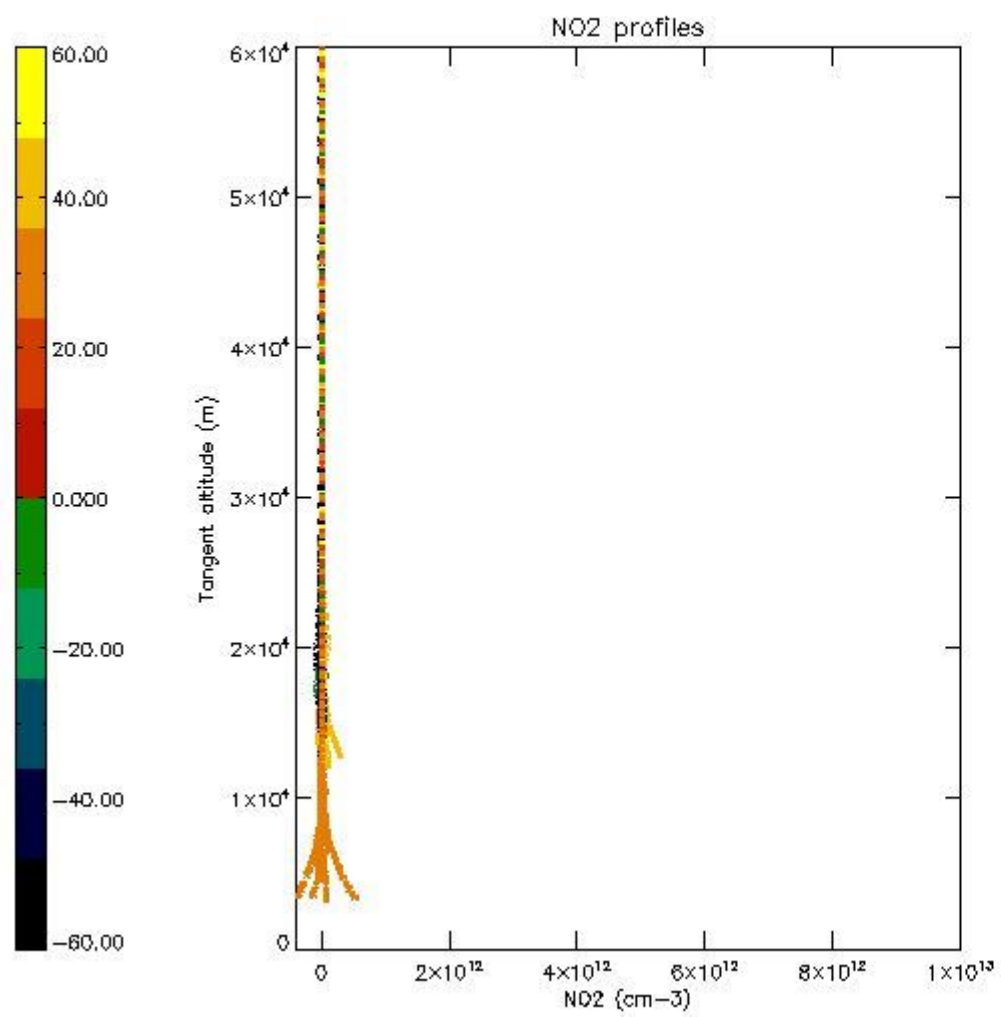
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



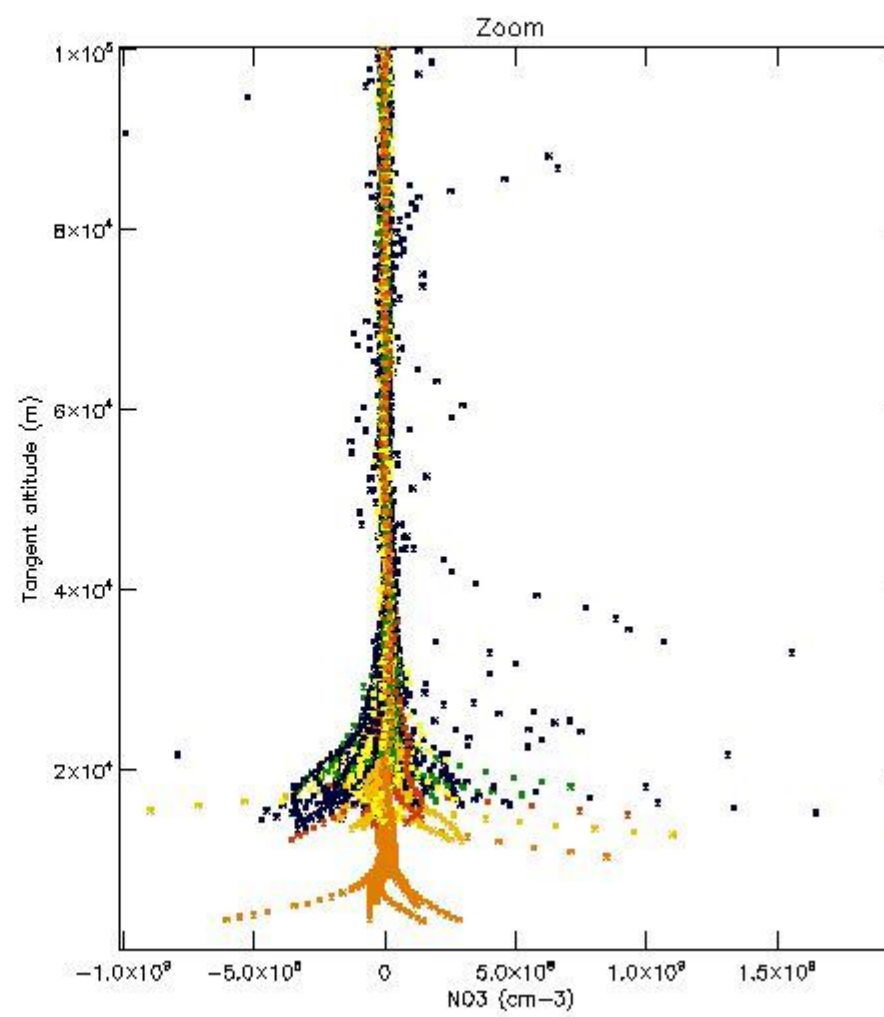
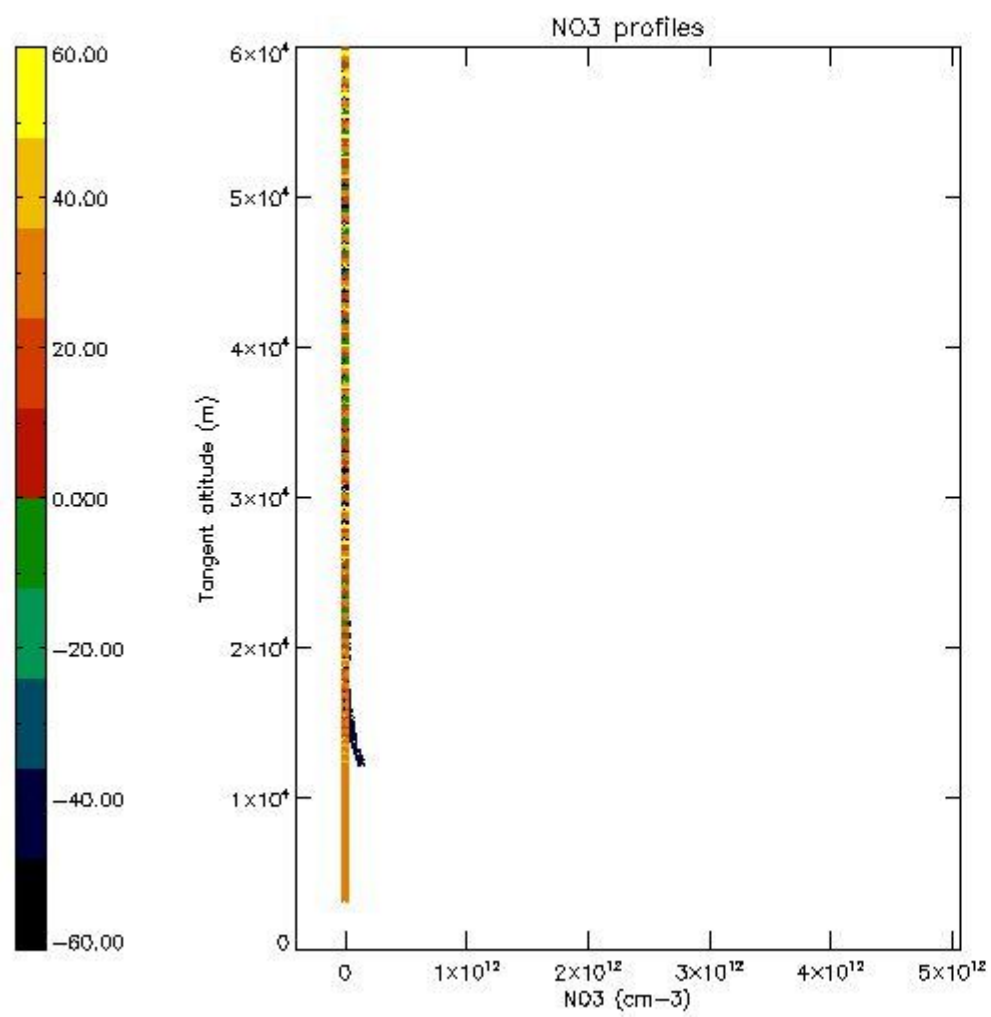
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



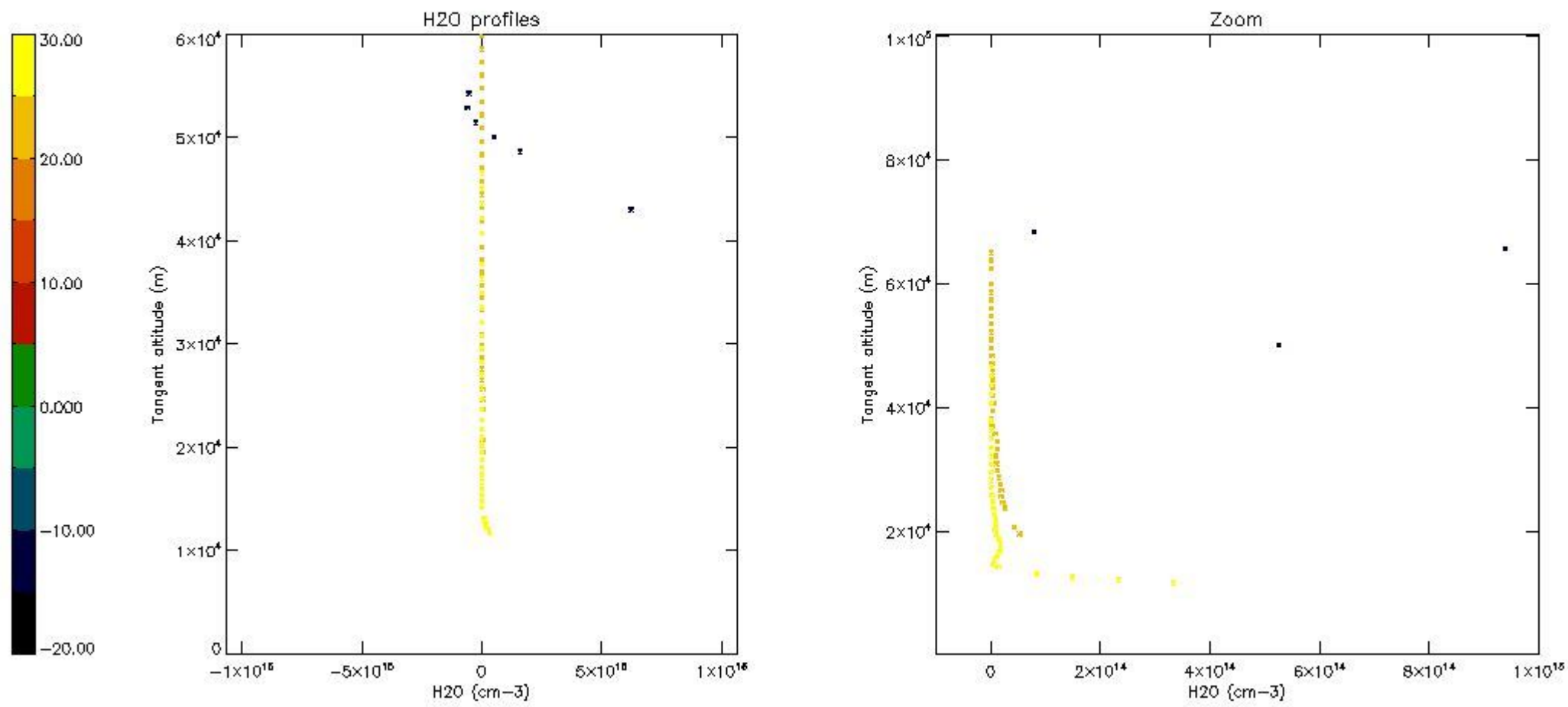
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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

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

| Type | Auxiliary Filename | Used since product | Used since product date |
|---------------------------|---|--------------------|-------------------------|
| INST_PHYS_CHARACTERISTICS | GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000 | 1 | 04-DEC-2010 00:02:59 |
| LEVEL-2_PROC_CONFIG | GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000 | 1 | 04-DEC-2010 00:02:59 |
| CROSS_SECTIONS_FILE | GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000 | 1 | 04-DEC-2010 00:02:59 |

GOMOS Level 2 Daily Report

SUMMARY

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[4.1 Plot of level 1 quality information per product \(time dependant\)](#)

[4.1.1 Plot of level 1 quality information per product \(time dependant\): ASCENDING](#)

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

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

| Item | Value |
|---------------------------|---------------------------------|
| Time of report generation | 29APR2013 16:31:30 |
| Data source version | GOMOS/6.01 |
| Start time of products | 04-12-2010 (04DEC2010 00:00:00) |
| Stop time of products | 05-12-2010 (05DEC2010 00:00:00) |
| Store outputs in DB | Yes |
| Nb of level 2 prods | 299 |
| 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__2PRFIN20101204_000259_000000443097_00102_45806_9636.N1 | 04-DEC-2010 00:02:59 | Bright | 44.000 | 138 | 47Eps Vir | 2.8280 | 4700.0 | 88 | 45806 | No |
| 2 | GOM_NL__2PRFIN20101204_000727_000000473097_00102_45806_9637.N1 | 04-DEC-2010 00:07:27 | Bright | 46.500 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 93 | 45806 | No |
| 3 | GOM_NL__2PRFIN20101204_001451_000000473097_00102_45806_9638.N1 | 04-DEC-2010 00:14:51 | Dark | 46.500 | 171 | 2Eps Crv | 3.0010 | 4250.0 | 93 | 45806 | No |
| 4 | GOM_NL__2PRFIN20101204_002415_000000463097_00103_45807_9695.N1 | 04-DEC-2010 00:24:15 | Dark | 45.500 | 113 | Mu Vel | 2.6920 | 5000.0 | 91 | 45807 | No |
| 5 | GOM_NL__2PRFIN20101204_003253_000000493097_00103_45807_9696.N1 | 04-DEC-2010 00:32:53 | Dark | 49.000 | 34 | Gam2Vel | 1.7930 | 23000. | 98 | 45807 | No |
| 6 | GOM_NL__2PRFIN20101204_003600_000000533097_00103_45807_9697.N1 | 04-DEC-2010 00:36:00 | Dark | 53.000 | 2 | Alp Car | -0.73600 | 7000.0 | 106 | 45807 | No |
| 7 | GOM_NL__2PRFIN20101204_004143_000000553097_00103_45807_9698.N1 | 04-DEC-2010 00:41:43 | Dark | 55.000 | 23 | 21Eps CMa | 1.5020 | 26000. | 110 | 45807 | No |
| 8 | GOM_NL__2PRFIN20101204_004750_000000553097_00103_45807_9699.N1 | 04-DEC-2010 00:47:50 | Straylight | 54.500 | 101 | 11Alp Lep | 2.5820 | 7000.0 | 109 | 45807 | No |
| 9 | GOM_NL__2PRFIN20101204_005117_000000643097_00103_45807_9700.N1 | 04-DEC-2010 00:51:17 | Straylight | 63.500 | 7 | 19Bet Ori | 0.10000 | 14000. | 127 | 45807 | No |
| 10 | GOM_NL__2PRFIN20101204_005405_000000603097_00103_45807_9701.N1 | 04-DEC-2010 00:54:05 | Twi_and_stray | 60.000 | 30 | 46Eps Ori | 1.6940 | 30000. | 120 | 45807 | No |
| 11 | GOM_NL__2PRFIN20101204_005642_000000603097_00103_45807_9702.N1 | 04-DEC-2010 00:56:42 | Twi_and_stray | 60.000 | 27 | 24Gam Ori | 1.6360 | 26000. | 120 | 45807 | No |
| 12 | GOM_NL__2PRFIN20101204_005905_000000613097_00103_45807_9703.N1 | 04-DEC-2010 00:59:05 | Bright | 61.000 | 13 | 87Alp Tau | 0.86700 | 3800.0 | 122 | 45807 | No |
| 13 | GOM_NL__2PRFIN20101204_010049_000000383097_00103_45807_9704.N1 | 04-DEC-2010 01:00:49 | Bright | 38.000 | 146 | 25Eta Tau | 2.8730 | 15200. | 76 | 45807 | No |
| 14 | GOM_NL__2PRFIN20101204_010308_000000383097_00103_45807_9705.N1 | 04-DEC-2010 01:03:08 | Bright | 37.500 | 150 | 44Zet Per | 2.8900 | 28000. | 75 | 45807 | No |
| 15 | GOM_NL__2PRFIN20101204_010532_000000373097_00103_45807_9706.N1 | 04-DEC-2010 01:05:32 | Bright | 37.000 | 149 | 45Eps Per | 2.8880 | 30000. | 74 | 45807 | No |
| 16 | GOM_NL__2PRFIN20101204_010905_000000463097_00103_45807_9707.N1 | 04-DEC-2010 01:09:05 | Bright | 45.500 | 6 | 13Alp Aur | 0.080000 | 3400.0 | 91 | 45807 | No |
| 17 | GOM_NL__2PRFIN20101204_011041_000000513097_00103_45807_9708.N1 | 04-DEC-2010 01:10:41 | Bright | 51.000 | 42 | 34Bet Aur | 1.9000 | 10200. | 102 | 45807 | No |
| 18 | GOM_NL__2PRFIN20101204_012526_000000473097_00103_45807_9709.N1 | 04-DEC-2010 01:25:26 | Bright | 47.000 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 94 | 45807 | No |
| 19 | GOM_NL__2PRFIN20101204_012700_000000473097_00103_45807_9710.N1 | 04-DEC-2010 01:27:00 | Bright | 46.500 | 82 | 48Bet UMa | 2.3650 | 10600. | 93 | 45807 | No |
| 20 | GOM_NL__2PRFIN20101204_012850_000000413097_00103_45807_9711.N1 | 04-DEC-2010 01:28:50 | Bright | 41.000 | 32 | 77Eps UMa | 1.7630 | 11000. | 82 | 45807 | No |
| 21 | GOM_NL__2PRFIN20101204_013428_000000403097_00103_45807_9712.N1 | 04-DEC-2010 01:34:28 | Bright | 39.500 | 152 | 12Alp2CVn | 2.8900 | 11000. | 79 | 45807 | No |
| 22 | GOM_NL__2PRFIN20101204_014313_000000443097_00103_45807_9713.N1 | 04-DEC-2010 01:43:13 | Bright | 44.000 | 138 | 47Eps Vir | 2.8280 | 4700.0 | 88 | 45807 | No |
| 23 | GOM_NL__2PRFIN20101204_014741_000000493097_00103_45807_9714.N1 | 04-DEC-2010 01:47:41 | Bright | 49.000 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 98 | 45807 | No |
| 24 | GOM_NL__2PRFIN20101204_020430_000000453097_00104_45808_9786.N1 | 04-DEC-2010 02:04:30 | Dark | 45.000 | 113 | Mu Vel | 2.6920 | 5000.0 | 90 | 45808 | No |
| 25 | GOM_NL__2PRFIN20101204_021308_000000483097_00104_45808_9787.N1 | 04-DEC-2010 02:13:08 | Dark | 48.000 | 34 | Gam2Vel | 1.7930 | 23000. | 96 | 45808 | No |
| 26 | GOM_NL__2PRFIN20101204_021614_000000523097_00104_45808_9788.N1 | 04-DEC-2010 02:16:14 | Dark | 51.500 | 2 | Alp Car | -0.73600 | 7000.0 | 103 | 45808 | No |
| 27 | GOM_NL__2PRFIN20101204_022158_000000583097_00104_45808_9789.N1 | 04-DEC-2010 02:21:58 | Dark | 58.000 | 23 | 21Eps CMa | 1.5020 | 26000. | 116 | 45808 | No |
| 28 | GOM_NL__2PRFIN20101204_022804_000000513097_00104_45808_9790.N1 | 04-DEC-2010 02:28:04 | Straylight | 51.000 | 101 | 11Alp Lep | 2.5820 | 7000.0 | 102 | 45808 | No |
| 29 | GOM_NL__2PRFIN20101204_023131_000000563097_00104_45808_9791.N1 | 04-DEC-2010 02:31:31 | Straylight | 56.000 | 7 | 19Bet Ori | 0.10000 | 14000. | 112 | 45808 | No |
| 30 | GOM_NL__2PRFIN20101204_023418_000000623097_00104_45808_9792.N1 | 04-DEC-2010 02:34:18 | Twi_and_stray | 62.000 | 30 | 46Eps Ori | 1.6940 | 30000. | 124 | 45808 | No |
| 31 | GOM_NL__2PRFIN20101204_023655_000000623097_00104_45808_9793.N1 | 04-DEC-2010 02:36:55 | Twi_and_stray | 62.000 | 27 | 24Gam Ori | 1.6360 | 26000. | 124 | 45808 | No |
| 32 | GOM_NL__2PRFIN20101204_023919_000000613097_00104_45808_9794.N1 | 04-DEC-2010 02:39:19 | Bright | 61.000 | 13 | 87Alp Tau | 0.86700 | 3800.0 | 122 | 45808 | No |
| 33 | GOM_NL__2PRFIN20101204_024103_000000393097_00104_45808_9795.N1 | 04-DEC-2010 02:41:03 | Bright | 38.500 | 146 | 25Eta Tau | 2.8730 | 15200. | 77 | 45808 | No |
| 34 | GOM_NL__2PRFIN20101204_024322_000000393097_00104_45808_9796.N1 | 04-DEC-2010 02:43:22 | Bright | 38.500 | 150 | 44Zet Per | 2.8900 | 28000. | 77 | 45808 | No |
| 35 | GOM_NL__2PRFIN20101204_024545_000000363097_00104_45808_9797.N1 | 04-DEC-2010 02:45:45 | Bright | 36.000 | 149 | 45Eps Per | 2.8880 | 30000. | 72 | 45808 | No |
| 36 | GOM_NL__2PRFIN20101204_024918_000000503097_00104_45808_9798.N1 | 04-DEC-2010 02:49:18 | Bright | 49.500 | 6 | 13Alp Aur | 0.080000 | 3400.0 | 99 | 45808 | No |
| 37 | GOM_NL__2PRFIN20101204_025054_000000493097_00104_45808_9799.N1 | 04-DEC-2010 02:50:54 | Bright | 49.000 | 42 | 34Bet Aur | 1.9000 | 10200. | 98 | 45808 | No |
| 38 | GOM_NL__2PRFIN20101204_030539_000000473097_00104_45808_9800.N1 | 04-DEC-2010 03:05:39 | Bright | 46.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 93 | 45808 | No |
| 39 | GOM_NL__2PRFIN20101204_030713_000000483097_00104_45808_9801.N1 | 04-DEC-2010 03:07:13 | Bright | 48.000 | 82 | 48Bet UMa | 2.3650 | 10600. | 96 | 45808 | No |
| 40 | GOM_NL__2PRFIN20101204_030904_000000413097_00104_45808_9802.N1 | 04-DEC-2010 03:09:04 | Bright | 40.500 | 32 | 77Eps UMa | 1.7630 | 11000. | 81 | 45808 | No |
| 41 | GOM_NL__2PRFIN20101204_031442_000000413097_00104_45808_9803.N1 | 04-DEC-2010 03:14:42 | Bright | 40.500 | 152 | 12Alp2CVn | 2.8900 | 11000. | 81 | 45808 | No |
| 42 | GOM_NL__2PRFIN20101204_032328_000000443097_00104_45808_9804.N1 | 04-DEC-2010 03:23:28 | Bright | 44.000 | 138 | 47Eps Vir | 2.8280 | 4700.0 | 88 | 45808 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|------------|--------|-----|-----------|----------|--------|-----|-------|----|
| 161 | GOM_NL__2PRFIN20101204_140001_000000573097_00111_45815_0055.N1 | 04-DEC-2010 14:00:01 | Dark | 56.500 | 117 | Pi Pup | 2.7060 | 3800.0 | 113 | 45815 | No |
| 162 | GOM_NL__2PRFIN20101204_140414_000000453097_00111_45815_0056.N1 | 04-DEC-2010 14:04:14 | Dark | 45.000 | 108 | Alp Col | 2.6520 | 15200. | 90 | 45815 | No |
| 163 | GOM_NL__2PRFIN20101204_140943_000000523097_00111_45815_0057.N1 | 04-DEC-2010 14:09:43 | Straylight | 52.000 | 101 | 11Alp Lep | 2.5820 | 7000.0 | 104 | 45815 | No |
| 164 | GOM_NL__2PRFIN20101204_141309_000000613097_00111_45815_0058.N1 | 04-DEC-2010 14:13:09 | Straylight | 61.000 | 7 | 19Bet Ori | 0.10000 | 14000. | 122 | 45815 | No |
| 165 | GOM_NL__2PRFIN20101204_142055_000000603097_00111_45815_0059.N1 | 04-DEC-2010 14:20:55 | Bright | 60.000 | 13 | 87Alp Tau | 0.86700 | 3800.0 | 120 | 45815 | No |
| 166 | GOM_NL__2PRFIN20101204_142241_000000383097_00111_45815_0060.N1 | 04-DEC-2010 14:22:41 | Bright | 38.000 | 146 | 25Eta Tau | 2.8730 | 15200. | 76 | 45815 | No |
| 167 | GOM_NL__2PRFIN20101204_142459_000000383097_00111_45815_0061.N1 | 04-DEC-2010 14:24:59 | Bright | 38.000 | 150 | 44Zet Per | 2.8900 | 28000. | 76 | 45815 | No |
| 168 | GOM_NL__2PRFIN20101204_142722_000000373097_00111_45815_0062.N1 | 04-DEC-2010 14:27:22 | Bright | 37.000 | 149 | 45Eps Per | 2.8880 | 30000. | 74 | 45815 | No |
| 169 | GOM_NL__2PRFIN20101204_142926_000000373097_00111_45815_0063.N1 | 04-DEC-2010 14:29:26 | Bright | 36.500 | 175 | 39Del Per | 3.0100 | 19400. | 73 | 45815 | No |
| 170 | GOM_NL__2PRFIN20101204_143053_000000463097_00111_45815_0064.N1 | 04-DEC-2010 14:30:53 | Bright | 46.000 | 6 | 13Alp Aur | 0.080000 | 3400.0 | 92 | 45815 | No |
| 171 | GOM_NL__2PRFIN20101204_144715_000000463097_00111_45815_0065.N1 | 04-DEC-2010 14:47:15 | Bright | 45.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 91 | 45815 | No |
| 172 | GOM_NL__2PRFIN20101204_144849_000000483097_00111_45815_0066.N1 | 04-DEC-2010 14:48:49 | Bright | 48.000 | 82 | 48Bet UMa | 2.3650 | 10600. | 96 | 45815 | No |
| 173 | GOM_NL__2PRFIN20101204_145041_000000413097_00111_45815_0067.N1 | 04-DEC-2010 14:50:41 | Bright | 41.000 | 32 | 77Eps UMa | 1.7630 | 11000. | 82 | 45815 | No |
| 174 | GOM_NL__2PRFIN20101204_145252_000000553097_00111_45815_0068.N1 | 04-DEC-2010 14:52:52 | Bright | 55.000 | 39 | 85Eta UMa | 1.8540 | 24000. | 110 | 45815 | No |
| 175 | GOM_NL__2PRFIN20101204_145621_000000413097_00111_45815_0069.N1 | 04-DEC-2010 14:56:21 | Bright | 40.500 | 152 | 12Alp2CVn | 2.8900 | 11000. | 81 | 45815 | No |
| 176 | GOM_NL__2PRFIN20101204_150156_000000363097_00111_45815_0070.N1 | 04-DEC-2010 15:01:56 | Bright | 35.500 | 111 | 8Eta Boo | 2.6800 | 6000.0 | 71 | 45815 | No |
| 177 | GOM_NL__2PRFIN20101204_150509_000000623097_00111_45815_0071.N1 | 04-DEC-2010 15:05:09 | Bright | 62.000 | 138 | 47Eps Vir | 2.8280 | 4700.0 | 124 | 45815 | No |
| 178 | GOM_NL__2PRFIN20101204_150939_000000473097_00111_45815_0072.N1 | 04-DEC-2010 15:09:39 | Bright | 47.000 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 94 | 45815 | No |
| 179 | GOM_NL__2PRFIN20101204_151529_000000503097_00111_45815_0073.N1 | 04-DEC-2010 15:15:29 | Dark | 49.500 | 100 | 4Gam Crv | 2.5800 | 13100. | 99 | 45815 | No |
| 180 | GOM_NL__2PRFIN20101204_151705_000000543097_00111_45815_0074.N1 | 04-DEC-2010 15:17:05 | Dark | 53.500 | 171 | 2Eps Crv | 3.0010 | 4250.0 | 107 | 45815 | No |
| 181 | GOM_NL__2PRFIN20101204_152629_000000453097_00112_45816_0098.N1 | 04-DEC-2010 15:26:29 | Dark | 45.000 | 113 | Mu Vel | 2.6920 | 5000.0 | 90 | 45816 | No |
| 182 | GOM_NL__2PRFIN20101204_153507_000000493097_00112_45816_0099.N1 | 04-DEC-2010 15:35:07 | Dark | 49.000 | 34 | Gam2Vel | 1.7930 | 23000. | 98 | 45816 | No |
| 183 | GOM_NL__2PRFIN20101204_153811_000000563097_00112_45816_0100.N1 | 04-DEC-2010 15:38:11 | Dark | 55.500 | 2 | Alp Car | -0.73600 | 7000.0 | 111 | 45816 | No |
| 184 | GOM_NL__2PRFIN20101204_154016_000000593097_00112_45816_0101.N1 | 04-DEC-2010 15:40:16 | Dark | 58.500 | 117 | Pi Pup | 2.7060 | 3800.0 | 117 | 45816 | No |
| 185 | GOM_NL__2PRFIN20101204_154429_000000443097_00112_45816_0102.N1 | 04-DEC-2010 15:44:29 | Dark | 43.500 | 108 | Alp Col | 2.6520 | 15200. | 87 | 45816 | No |
| 186 | GOM_NL__2PRFIN20101204_154957_000000533097_00112_45816_0103.N1 | 04-DEC-2010 15:49:57 | Straylight | 52.500 | 101 | 11Alp Lep | 2.5820 | 7000.0 | 105 | 45816 | No |
| 187 | GOM_NL__2PRFIN20101204_155323_000000653097_00112_45816_0104.N1 | 04-DEC-2010 15:53:23 | Straylight | 65.000 | 7 | 19Bet Ori | 0.10000 | 14000. | 130 | 45816 | No |
| 188 | GOM_NL__2PRFIN20101204_160109_000000603097_00112_45816_0105.N1 | 04-DEC-2010 16:01:09 | Bright | 60.000 | 13 | 87Alp Tau | 0.86700 | 3800.0 | 120 | 45816 | No |
| 189 | GOM_NL__2PRFIN20101204_160255_000000373097_00112_45816_0106.N1 | 04-DEC-2010 16:02:55 | Bright | 36.500 | 146 | 25Eta Tau | 2.8730 | 15200. | 73 | 45816 | No |
| 190 | GOM_NL__2PRFIN20101204_160513_000000383097_00112_45816_0107.N1 | 04-DEC-2010 16:05:13 | Bright | 38.000 | 150 | 44Zet Per | 2.8900 | 28000. | 76 | 45816 | No |
| 191 | GOM_NL__2PRFIN20101204_160736_000000383097_00112_45816_0108.N1 | 04-DEC-2010 16:07:36 | Bright | 37.500 | 149 | 45Eps Per | 2.8880 | 30000. | 75 | 45816 | No |
| 192 | GOM_NL__2PRFIN20101204_160940_000000373097_00112_45816_0109.N1 | 04-DEC-2010 16:09:40 | Bright | 37.000 | 175 | 39Del Per | 3.0100 | 19400. | 74 | 45816 | No |
| 193 | GOM_NL__2PRFIN20101204_161106_000000463097_00112_45816_0110.N1 | 04-DEC-2010 16:11:06 | Bright | 45.500 | 6 | 13Alp Aur | 0.080000 | 3400.0 | 91 | 45816 | No |
| 194 | GOM_NL__2PRFIN20101204_162729_000000473097_00112_45816_0111.N1 | 04-DEC-2010 16:27:29 | Bright | 47.000 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 94 | 45816 | No |
| 195 | GOM_NL__2PRFIN20101204_162902_000000493097_00112_45816_0112.N1 | 04-DEC-2010 16:29:02 | Bright | 49.000 | 82 | 48Bet UMa | 2.3650 | 10600. | 98 | 45816 | No |
| 196 | GOM_NL__2PRFIN20101204_163055_000000393097_00112_45816_0113.N1 | 04-DEC-2010 16:30:55 | Bright | 38.500 | 32 | 77Eps UMa | 1.7630 | 11000. | 77 | 45816 | No |
| 197 | GOM_NL__2PRFIN20101204_163306_000000393097_00112_45816_0114.N1 | 04-DEC-2010 16:33:06 | Bright | 39.000 | 39 | 85Eta UMa | 1.8540 | 24000. | 78 | 45816 | No |
| 198 | GOM_NL__2PRFIN20101204_163635_000000413097_00112_45816_0115.N1 | 04-DEC-2010 16:36:35 | Bright | 41.000 | 152 | 12Alp2CVn | 2.8900 | 11000. | 82 | 45816 | No |
| 199 | GOM_NL__2PRFIN20101204_164210_000000373097_00112_45816_0116.N1 | 04-DEC-2010 16:42:10 | Bright | 36.500 | 111 | 8Eta Boo | 2.6800 | 6000.0 | 73 | 45816 | No |
| 200 | GOM_NL__2PRFIN20101204_164523_000000433097_00112_45816_0117.N1 | 04-DEC-2010 16:45:23 | Bright | 42.500 | 138 | 47Eps Vir | 2.8280 | 4700.0 | 85 | 45816 | No |
| 201 | GOM_NL__2PRFIN20101204_164954_000000483097_00112_45816_0118.N1 | 04-DEC-2010 16:49:54 | Bright | 47.500 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 95 | 45816 | No |
| 202 | GOM_NL__2PRFIN20101204_165544_000000503097_00112_45816_0119.N1 | 04-DEC-2010 16:55:44 | Dark | 49.500 | 100 | 4Gam Crv | 2.5800 | 13100. | 99 | 45816 | No |
| 203 | GOM_NL__2PRFIN20101204_165720_000000513097_00112_45816_0120.N1 | 04-DEC-2010 16:57:20 | Dark | 51.000 | 171 | 2Eps Crv | 3.0010 | 4250.0 | 102 | 45816 | No |
| 204 | GOM_NL__2PRFIN20101204_170644_000000453097_00113_45817_0138.N1 | 04-DEC-2010 17:06:44 | Dark | 45.000 | 113 | Mu Vel | 2.6920 | 5000.0 | 90 | 45817 | No |
| 205 | GOM_NL__2PRFIN20101204_171522_000000503097_00113_45817_0139.N1 | 04-DEC-2010 17:15:22 | Dark | 50.000 | 34 | Gam2Vel | 1.7930 | 23000. | 100 | 45817 | No |
| 206 | GOM_NL__2PRFIN20101204_171825_000000583097_00113_45817_0140.N1 | 04-DEC-2010 17:18:25 | Dark | 58.000 | 2 | Alp Car | -0.73600 | 7000.0 | 116 | 45817 | No |
| 207 | GOM_NL__2PRFIN20101204_172031_000000613097_00113_45817_0141.N1 | 04-DEC-2010 17:20:31 | Dark | 60.500 | 117 | Pi Pup | 2.7060 | 3800.0 | 121 | 45817 | No |
| 208 | GOM_NL__2PRFIN20101204_172443_000000473097_00113_45817_0142.N1 | 04-DEC-2010 17:24:43 | Dark | 47.000 | 108 | Alp Col | 2.6520 | 15200. | 94 | 45817 | No |
| 209 | GOM_NL__2PRFIN20101204_173011_000000463097_00113_45817_0143.N1 | 04-DEC-2010 17:30:11 | Straylight | 46.000 | 101 | 11Alp Lep | 2.5820 | 7000.0 | 92 | 45817 | No |
| 210 | GOM_NL__2PRFIN20101204_173337_000000593097_00113_45817_0144.N1 | 04-DEC-2010 17:33:37 | Straylight | 58.500 | 7 | 19Bet Ori | 0.10000 | 14000. | 117 | 45817 | No |
| 211 | GOM_NL__2PRFIN20101204_174123_000000573097_00113_45817_0145.N1 | 04-DEC-2010 17:41:23 | Bright | 57.000 | 13 | 87Alp Tau | 0.86700 | 3800.0 | 114 | 45817 | No |
| 212 | GOM_NL__2PRFIN20101204_174309_000000383097_00113_45817_0146.N1 | 04-DEC-2010 17:43:09 | Bright | 38.000 | 146 | 25Eta Tau | 2.8730 | 15200. | 76 | 45817 | No |
| 213 | GOM_NL__2PRFIN20101204_174527_000000393097_00113_45817_0147.N1 | 04-DEC-2010 17:45:27 | Bright | 39.000 | 150 | 44Zet Per | 2.8900 | 28000. | 78 | 45817 | No |
| 214 | GOM_NL__2PRFIN20101204_174750_000000363097_00113_45817_0148.N1 | 04-DEC-2010 17:47:50 | Bright | 36.000 | 149 | 45Eps Per | 2.8880 | 30000. | 72 | 45817 | No |
| 215 | GOM_NL__2PRFIN20101204_174954_000000363097_00113_45817_0149.N1 | 04-DEC-2010 17:49:54 | Bright | 36.000 | 175 | 39Del Per | 3.0100 | 19400. | 72 | 45817 | No |
| 216 | GOM_NL__2PRFIN20101204_175120_000000503097_00113_45817_0150.N1 | 04-DEC-2010 17:51:20 | Bright | 49.500 | 6 | 13Alp Aur | 0.080000 | 3400.0 | 99 | 45817 | No |
| 217 | GOM_NL__2PRFIN20101204_180742_000000483097_00113_45817_0151.N1 | 04-DEC-2010 18:07:42 | Bright | 47.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 95 | 45817 | No |
| 218 | GOM_NL__2PRFIN20101204_180916_000000483097_00113_45817_0152.N1 | 04-DEC-2010 18:09:16 | Bright | 47.500 | 82 | 48Bet UMa | 2.3650 | 10600. | 95 | 45817 | No |
| 219 | GOM_NL__2PRFIN20101204_181109_000000383097_00113_45817_0153.N1 | 04-DEC-2010 18:11:09 | Bright | 37.500 | 32 | 77Eps UMa | 1.7630 | 11000. | 75 | 45817 | No |

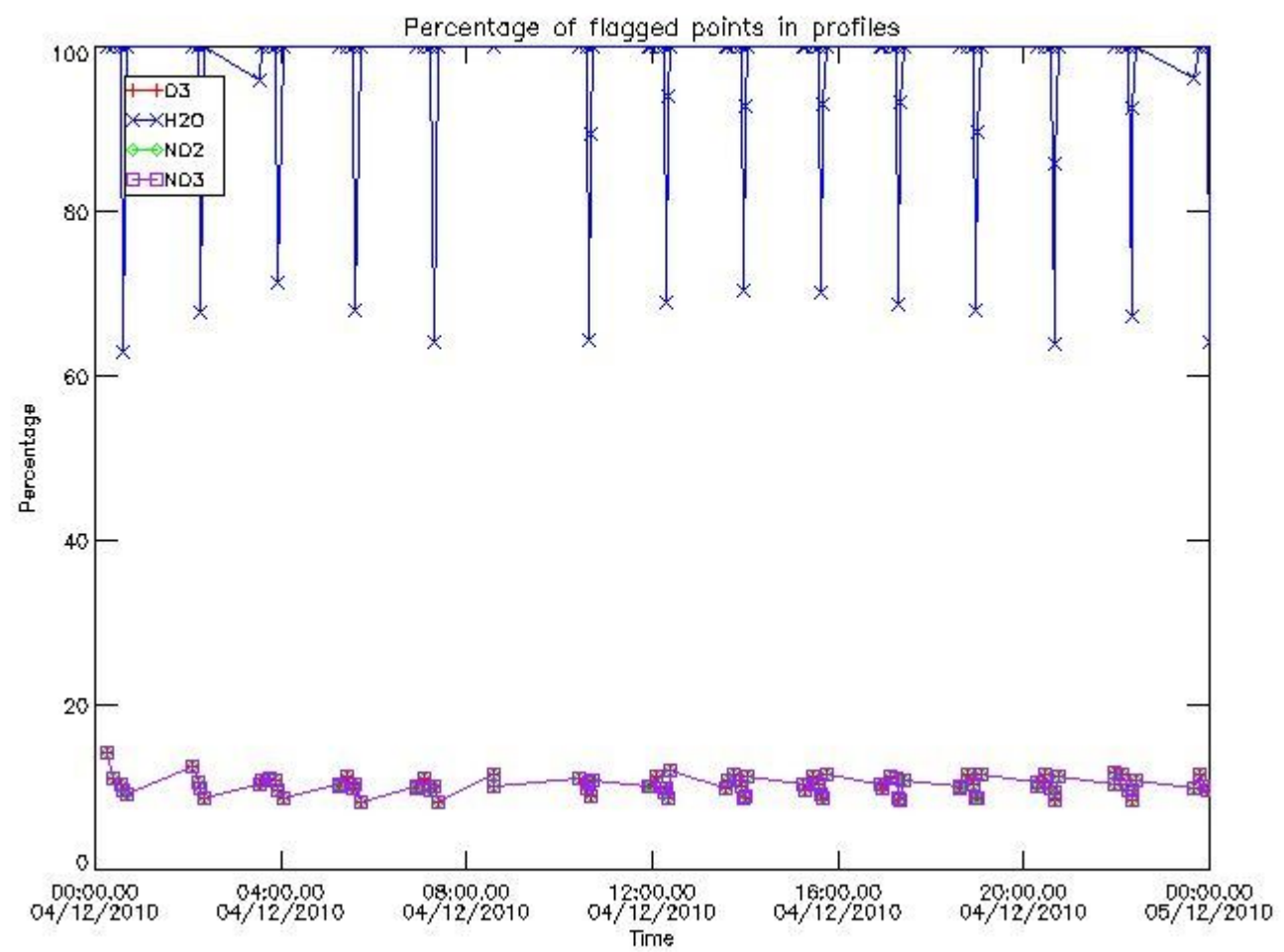
| | | | | | | | | | | | |
|-----|--|----------------------|----------------|--------|-----|-----------|----------|--------|-----|-------|----|
| 220 | GOM_NL__2PRFIN20101204_181320_000000393097_00113_45817_0154.N1 | 04-DEC-2010 18:13:20 | Bright | 39.000 | 39 | 85Eta UMa | 1.8540 | 24000. | 78 | 45817 | No |
| 221 | GOM_NL__2PRFIN20101204_181649_000000403097_00113_45817_0155.N1 | 04-DEC-2010 18:16:49 | Bright | 40.000 | 152 | 12Alp2CVn | 2.8900 | 11000. | 80 | 45817 | No |
| 222 | GOM_NL__2PRFIN20101204_182224_000000373097_00113_45817_0156.N1 | 04-DEC-2010 18:22:24 | Bright | 37.000 | 111 | 8Eta Boo | 2.6800 | 6000.0 | 74 | 45817 | No |
| 223 | GOM_NL__2PRFIN20101204_182538_000000433097_00113_45817_0157.N1 | 04-DEC-2010 18:25:38 | Bright | 42.500 | 138 | 47Eps Vir | 2.8280 | 4700.0 | 85 | 45817 | No |
| 224 | GOM_NL__2PRFIN20101204_183009_000000463097_00113_45817_0158.N1 | 04-DEC-2010 18:30:09 | Bright | 45.500 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 91 | 45817 | No |
| 225 | GOM_NL__2PRFIN20101204_183559_000000503097_00113_45817_0159.N1 | 04-DEC-2010 18:35:59 | Dark | 50.000 | 100 | 4Gam Crv | 2.5800 | 13100. | 100 | 45817 | No |
| 226 | GOM_NL__2PRFIN20101204_183735_000000523097_00113_45817_0160.N1 | 04-DEC-2010 18:37:35 | Dark | 52.000 | 171 | 2Eps Crv | 3.0010 | 4250.0 | 104 | 45817 | No |
| 227 | GOM_NL__2PRFIN20101204_184659_000000453097_00114_45818_0324.N1 | 04-DEC-2010 18:46:59 | Dark | 44.500 | 113 | Mu Vel | 2.6920 | 5000.0 | 89 | 45818 | No |
| 228 | GOM_NL__2PRFIN20101204_185537_000000493097_00114_45818_0325.N1 | 04-DEC-2010 18:55:37 | Dark | 49.000 | 34 | Gam2Vel | 1.7930 | 23000. | 98 | 45818 | No |
| 229 | GOM_NL__2PRFIN20101204_185840_000000583097_00114_45818_0326.N1 | 04-DEC-2010 18:58:40 | Dark | 58.000 | 2 | Alp Car | -0.73600 | 7000.0 | 116 | 45818 | No |
| 230 | GOM_NL__2PRFIN20101204_190046_000000593097_00114_45818_0327.N1 | 04-DEC-2010 19:00:46 | Dark | 58.500 | 117 | Pi Pup | 2.7060 | 3800.0 | 117 | 45818 | No |
| 231 | GOM_NL__2PRFIN20101204_190458_000000443097_00114_45818_0328.N1 | 04-DEC-2010 19:04:58 | Dark | 44.000 | 108 | Alp Col | 2.6520 | 15200. | 88 | 45818 | No |
| 232 | GOM_NL__2PRFIN20101204_191026_000000533097_00114_45818_0329.N1 | 04-DEC-2010 19:10:26 | Straylight | 52.500 | 101 | 11Alp Lep | 2.5820 | 7000.0 | 105 | 45818 | No |
| 233 | GOM_NL__2PRFIN20101204_191351_000000583097_00114_45818_0330.N1 | 04-DEC-2010 19:13:51 | Straylight | 58.000 | 7 | 19Bet Ori | 0.10000 | 14000. | 116 | 45818 | No |
| 234 | GOM_NL__2PRFIN20101204_191912_000000263097_00114_45818_0331.N1 | 04-DEC-2010 19:19:12 | Tw_i_and_stray | 26.000 | 27 | 24Gam Ori | 1.6360 | 26000. | 52 | 45818 | No |
| 235 | GOM_NL__2PRFIN20101204_192137_000000603097_00114_45818_0332.N1 | 04-DEC-2010 19:21:37 | Bright | 60.000 | 13 | 87Alp Tau | 0.86700 | 3800.0 | 120 | 45818 | No |
| 236 | GOM_NL__2PRFIN20101204_192323_000000393097_00114_45818_0333.N1 | 04-DEC-2010 19:23:23 | Bright | 38.500 | 146 | 25Eta Tau | 2.8730 | 15200. | 77 | 45818 | No |
| 237 | GOM_NL__2PRFIN20101204_192541_000000383097_00114_45818_0334.N1 | 04-DEC-2010 19:25:41 | Bright | 38.000 | 150 | 44Zet Per | 2.8900 | 28000. | 76 | 45818 | No |
| 238 | GOM_NL__2PRFIN20101204_192715_000000443097_00114_45818_0335.N1 | 04-DEC-2010 19:27:15 | Bright | 44.000 | 114 | 3lot Aur | 2.6930 | 4600.0 | 88 | 45818 | No |
| 239 | GOM_NL__2PRFIN20101204_193008_000000373097_00114_45818_0336.N1 | 04-DEC-2010 19:30:08 | Bright | 36.500 | 175 | 39Del Per | 3.0100 | 19400. | 73 | 45818 | No |
| 240 | GOM_NL__2PRFIN20101204_193133_000000503097_00114_45818_0337.N1 | 04-DEC-2010 19:31:33 | Bright | 49.500 | 6 | 13Alp Aur | 0.080000 | 3400.0 | 99 | 45818 | No |
| 241 | GOM_NL__2PRFIN20101204_194756_000000413097_00114_45818_0338.N1 | 04-DEC-2010 19:47:56 | Bright | 40.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 81 | 45818 | No |
| 242 | GOM_NL__2PRFIN20101204_194930_000000493097_00114_45818_0339.N1 | 04-DEC-2010 19:49:30 | Bright | 48.500 | 82 | 48Bet UMa | 2.3650 | 10600. | 97 | 45818 | No |
| 243 | GOM_NL__2PRFIN20101204_195123_000000393097_00114_45818_0340.N1 | 04-DEC-2010 19:51:23 | Bright | 38.500 | 32 | 77Eps UMa | 1.7630 | 11000. | 77 | 45818 | No |
| 244 | GOM_NL__2PRFIN20101204_195334_000000383097_00114_45818_0341.N1 | 04-DEC-2010 19:53:34 | Bright | 37.500 | 39 | 85Eta UMa | 1.8540 | 24000. | 75 | 45818 | No |
| 245 | GOM_NL__2PRFIN20101204_195703_000000423097_00114_45818_0342.N1 | 04-DEC-2010 19:57:03 | Bright | 42.000 | 152 | 12Alp2CVn | 2.8900 | 11000. | 84 | 45818 | No |
| 246 | GOM_NL__2PRFIN20101204_200552_000000423097_00114_45818_0343.N1 | 04-DEC-2010 20:05:52 | Bright | 41.500 | 138 | 47Eps Vir | 2.8280 | 4700.0 | 83 | 45818 | No |
| 247 | GOM_NL__2PRFIN20101204_201023_000000453097_00114_45818_0344.N1 | 04-DEC-2010 20:10:23 | Bright | 45.000 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 90 | 45818 | No |
| 248 | GOM_NL__2PRFIN20101204_201614_000000493097_00114_45818_0345.N1 | 04-DEC-2010 20:16:14 | Dark | 48.500 | 100 | 4Gam Crv | 2.5800 | 13100. | 97 | 45818 | No |
| 249 | GOM_NL__2PRFIN20101204_201750_000000503097_00114_45818_0346.N1 | 04-DEC-2010 20:17:50 | Dark | 50.000 | 171 | 2Eps Crv | 3.0010 | 4250.0 | 100 | 45818 | No |
| 250 | GOM_NL__2PRFIN20101204_202713_000000443097_00115_45819_0331.N1 | 04-DEC-2010 20:27:13 | Dark | 44.000 | 113 | Mu Vel | 2.6920 | 5000.0 | 88 | 45819 | No |
| 251 | GOM_NL__2PRFIN20101204_203552_000000523097_00115_45819_0332.N1 | 04-DEC-2010 20:35:52 | Dark | 51.500 | 34 | Gam2Vel | 1.7930 | 23000. | 103 | 45819 | No |
| 252 | GOM_NL__2PRFIN20101204_203854_000000553097_00115_45819_0333.N1 | 04-DEC-2010 20:38:54 | Dark | 54.500 | 2 | Alp Car | -0.73600 | 7000.0 | 109 | 45819 | No |
| 253 | GOM_NL__2PRFIN20101204_204101_000000603097_00115_45819_0334.N1 | 04-DEC-2010 20:41:01 | Dark | 60.000 | 117 | Pi Pup | 2.7060 | 3800.0 | 120 | 45819 | No |
| 254 | GOM_NL__2PRFIN20101204_204512_000000453097_00115_45819_0335.N1 | 04-DEC-2010 20:45:12 | Dark | 45.000 | 108 | Alp Col | 2.6520 | 15200. | 90 | 45819 | No |
| 255 | GOM_NL__2PRFIN20101204_205040_000000523097_00115_45819_0336.N1 | 04-DEC-2010 20:50:40 | Straylight | 51.500 | 101 | 11Alp Lep | 2.5820 | 7000.0 | 103 | 45819 | No |
| 256 | GOM_NL__2PRFIN20101204_205405_000000633097_00115_45819_0337.N1 | 04-DEC-2010 20:54:05 | Straylight | 62.500 | 7 | 19Bet Ori | 0.10000 | 14000. | 125 | 45819 | No |
| 257 | GOM_NL__2PRFIN20101204_205925_000000263097_00115_45819_0338.N1 | 04-DEC-2010 20:59:25 | Tw_i_and_stray | 26.000 | 27 | 24Gam Ori | 1.6360 | 26000. | 52 | 45819 | No |
| 258 | GOM_NL__2PRFIN20101204_210150_000000603097_00115_45819_0339.N1 | 04-DEC-2010 21:01:50 | Bright | 60.000 | 13 | 87Alp Tau | 0.86700 | 3800.0 | 120 | 45819 | No |
| 259 | GOM_NL__2PRFIN20101204_210337_000000373097_00115_45819_0340.N1 | 04-DEC-2010 21:03:37 | Bright | 37.000 | 146 | 25Eta Tau | 2.8730 | 15200. | 74 | 45819 | No |
| 260 | GOM_NL__2PRFIN20101204_210555_000000393097_00115_45819_0341.N1 | 04-DEC-2010 21:05:55 | Bright | 38.500 | 150 | 44Zet Per | 2.8900 | 28000. | 77 | 45819 | No |
| 261 | GOM_NL__2PRFIN20101204_210728_000000443097_00115_45819_0342.N1 | 04-DEC-2010 21:07:28 | Bright | 44.000 | 114 | 3lot Aur | 2.6930 | 4600.0 | 88 | 45819 | No |
| 262 | GOM_NL__2PRFIN20101204_211022_000000363097_00115_45819_0343.N1 | 04-DEC-2010 21:10:22 | Bright | 36.000 | 175 | 39Del Per | 3.0100 | 19400. | 72 | 45819 | No |
| 263 | GOM_NL__2PRFIN20101204_211147_000000493097_00115_45819_0344.N1 | 04-DEC-2010 21:11:47 | Bright | 48.500 | 6 | 13Alp Aur | 0.080000 | 3400.0 | 97 | 45819 | No |
| 264 | GOM_NL__2PRFIN20101204_212810_000000463097_00115_45819_0345.N1 | 04-DEC-2010 21:28:10 | Bright | 45.500 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 91 | 45819 | No |
| 265 | GOM_NL__2PRFIN20101204_212943_000000473097_00115_45819_0346.N1 | 04-DEC-2010 21:29:43 | Bright | 47.000 | 82 | 48Bet UMa | 2.3650 | 10600. | 94 | 45819 | No |
| 266 | GOM_NL__2PRFIN20101204_213137_000000413097_00115_45819_0347.N1 | 04-DEC-2010 21:31:37 | Bright | 41.000 | 32 | 77Eps UMa | 1.7630 | 11000. | 82 | 45819 | No |
| 267 | GOM_NL__2PRFIN20101204_213349_000000363097_00115_45819_0348.N1 | 04-DEC-2010 21:33:49 | Bright | 35.500 | 39 | 85Eta UMa | 1.8540 | 24000. | 71 | 45819 | No |
| 268 | GOM_NL__2PRFIN20101204_213718_000000393097_00115_45819_0349.N1 | 04-DEC-2010 21:37:18 | Bright | 39.000 | 152 | 12Alp2CVn | 2.8900 | 11000. | 78 | 45819 | No |
| 269 | GOM_NL__2PRFIN20101204_214253_000000493097_00115_45819_0350.N1 | 04-DEC-2010 21:42:53 | Bright | 48.500 | 111 | 8Eta Boo | 2.6800 | 6000.0 | 97 | 45819 | No |
| 270 | GOM_NL__2PRFIN20101204_214607_000000443097_00115_45819_0351.N1 | 04-DEC-2010 21:46:07 | Bright | 43.500 | 138 | 47Eps Vir | 2.8280 | 4700.0 | 87 | 45819 | No |
| 271 | GOM_NL__2PRFIN20101204_215038_000000493097_00115_45819_0352.N1 | 04-DEC-2010 21:50:38 | Bright | 49.000 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 98 | 45819 | No |
| 272 | GOM_NL__2PRFIN20101204_215629_000000503097_00115_45819_0353.N1 | 04-DEC-2010 21:56:29 | Dark | 49.500 | 100 | 4Gam Crv | 2.5800 | 13100. | 99 | 45819 | No |
| 273 | GOM_NL__2PRFIN20101204_215805_000000523097_00115_45819_0354.N1 | 04-DEC-2010 21:58:05 | Dark | 51.500 | 171 | 2Eps Crv | 3.0010 | 4250.0 | 103 | 45819 | No |
| 274 | GOM_NL__2PRFIN20101204_220728_000000443097_00116_45820_0256.N1 | 04-DEC-2010 22:07:28 | Dark | 44.000 | 113 | Mu Vel | 2.6920 | 5000.0 | 88 | 45820 | No |
| 275 | GOM_NL__2PRFIN20101204_221606_000000533097_00116_45820_0257.N1 | 04-DEC-2010 22:16:06 | Dark | 52.500 | 34 | Gam2Vel | 1.7930 | 23000. | 105 | 45820 | No |
| 276 | GOM_NL__2PRFIN20101204_221909_000000533097_00116_45820_0258.N1 | 04-DEC-2010 22:19:09 | Dark | 52.500 | 2 | Alp Car | -0.73600 | 7000.0 | 105 | 45820 | No |
| 277 | GOM_NL__2PRFIN20101204_222115_000000613097_00116_45820_0259.N1 | 04-DEC-2010 22:21:15 | Dark | 60.500 | 117 | Pi Pup | 2.7060 | 3800.0 | 121 | 45820 | No |
| 278 | GOM_NL__2PRFIN20101204_222527_000000483097_00116_45820_0260.N1 | 04-DEC-2010 22:25:27 | Dark | 47.500 | 108 | Alp Col | 2.6520 | 15200. | 95 | 45820 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|----------------|--------|-----|-----------|----------|--------|-----|-------|----|
| 279 | GOM_NL__2PRFIN20101204_223054_000000543097_00116_45820_0261.N1 | 04-DEC-2010 22:30:54 | Straylight | 53.500 | 101 | 11Alp Lep | 2.5820 | 7000.0 | 107 | 45820 | No |
| 280 | GOM_NL__2PRFIN20101204_223419_000000653097_00116_45820_0262.N1 | 04-DEC-2010 22:34:19 | Straylight | 64.500 | 7 | 19Bet Ori | 0.10000 | 14000. | 129 | 45820 | No |
| 281 | GOM_NL__2PRFIN20101204_223939_000000333097_00116_45820_0263.N1 | 04-DEC-2010 22:39:39 | Twilight_stray | 33.000 | 27 | 24Gam Ori | 1.6360 | 26000. | 66 | 45820 | No |
| 282 | GOM_NL__2PRFIN20101204_224204_000000573097_00116_45820_0264.N1 | 04-DEC-2010 22:42:04 | Bright | 56.500 | 13 | 87Alp Tau | 0.86700 | 3800.0 | 113 | 45820 | No |
| 283 | GOM_NL__2PRFIN20101204_224351_000000393097_00116_45820_0265.N1 | 04-DEC-2010 22:43:51 | Bright | 38.500 | 146 | 25Eta Tau | 2.8730 | 15200. | 77 | 45820 | No |
| 284 | GOM_NL__2PRFIN20101204_224609_000000383097_00116_45820_0266.N1 | 04-DEC-2010 22:46:09 | Bright | 37.500 | 150 | 44Zet Per | 2.8900 | 28000. | 75 | 45820 | No |
| 285 | GOM_NL__2PRFIN20101204_224742_000000453097_00116_45820_0267.N1 | 04-DEC-2010 22:47:42 | Bright | 45.000 | 114 | 3Iot Aur | 2.6930 | 4600.0 | 90 | 45820 | No |
| 286 | GOM_NL__2PRFIN20101204_225036_000000363097_00116_45820_0268.N1 | 04-DEC-2010 22:50:36 | Bright | 36.000 | 175 | 39Del Per | 3.0100 | 19400. | 72 | 45820 | No |
| 287 | GOM_NL__2PRFIN20101204_225200_000000493097_00116_45820_0269.N1 | 04-DEC-2010 22:52:00 | Bright | 48.500 | 6 | 13Alp Aur | 0.080000 | 3400.0 | 97 | 45820 | No |
| 288 | GOM_NL__2PRFIN20101204_230823_000000453097_00116_45820_0270.N1 | 04-DEC-2010 23:08:23 | Bright | 45.000 | 36 | 50Alp UMa | 1.8000 | 6300.0 | 90 | 45820 | No |
| 289 | GOM_NL__2PRFIN20101204_230957_000000463097_00116_45820_0271.N1 | 04-DEC-2010 23:09:57 | Bright | 45.500 | 82 | 48Bet UMa | 2.3650 | 10600. | 91 | 45820 | No |
| 290 | GOM_NL__2PRFIN20101204_231151_000000413097_00116_45820_0272.N1 | 04-DEC-2010 23:11:51 | Bright | 41.000 | 32 | 77Eps UMa | 1.7630 | 11000. | 82 | 45820 | No |
| 291 | GOM_NL__2PRFIN20101204_231402_000000393097_00116_45820_0273.N1 | 04-DEC-2010 23:14:02 | Bright | 39.000 | 39 | 85Eta UMa | 1.8540 | 24000. | 78 | 45820 | No |
| 292 | GOM_NL__2PRFIN20101204_231732_000000423097_00116_45820_0274.N1 | 04-DEC-2010 23:17:32 | Bright | 42.000 | 152 | 12Alp2CVn | 2.8900 | 11000. | 84 | 45820 | No |
| 293 | GOM_NL__2PRFIN20101204_232307_000000543097_00116_45820_0275.N1 | 04-DEC-2010 23:23:07 | Bright | 53.500 | 111 | 8Eta Boo | 2.6800 | 6000.0 | 107 | 45820 | No |
| 294 | GOM_NL__2PRFIN20101204_232621_000000443097_00116_45820_0276.N1 | 04-DEC-2010 23:26:21 | Bright | 44.000 | 138 | 47Eps Vir | 2.8280 | 4700.0 | 88 | 45820 | No |
| 295 | GOM_NL__2PRFIN20101204_233053_000000483097_00116_45820_0277.N1 | 04-DEC-2010 23:30:53 | Bright | 48.000 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 96 | 45820 | No |
| 296 | GOM_NL__2PRFIN20101204_233820_000000513097_00116_45820_0278.N1 | 04-DEC-2010 23:38:20 | Dark | 51.000 | 171 | 2Eps Crv | 3.0010 | 4250.0 | 102 | 45820 | No |
| 297 | GOM_NL__2PRFIN20101204_234743_000000443097_00117_45821_0292.N1 | 04-DEC-2010 23:47:43 | Dark | 44.000 | 113 | Mu Vel | 2.6920 | 5000.0 | 88 | 45821 | No |
| 298 | GOM_NL__2PRFIN20101204_235621_000000533097_00117_45821_0293.N1 | 04-DEC-2010 23:56:21 | Dark | 53.000 | 34 | Gam2Vel | 1.7930 | 23000. | 106 | 45821 | No |
| 299 | GOM_NL__2PRFIN20101204_235923_000000513097_00117_45821_0294.N1 | 04-DEC-2010 23:59:23 | Dark | 50.500 | 2 | Alp Car | -0.73600 | 7000.0 | 101 | 45821 | No |

3. Quality information per product

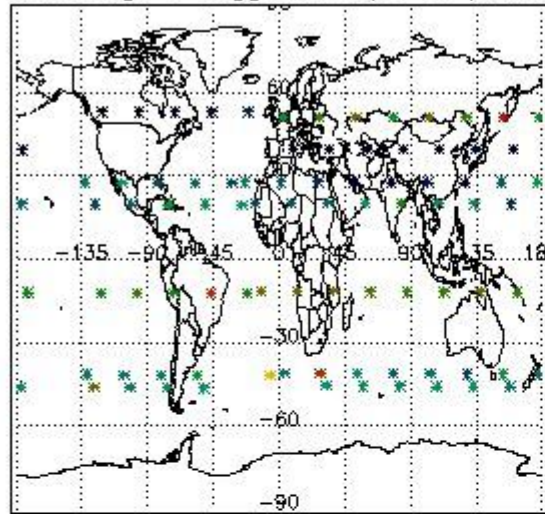
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

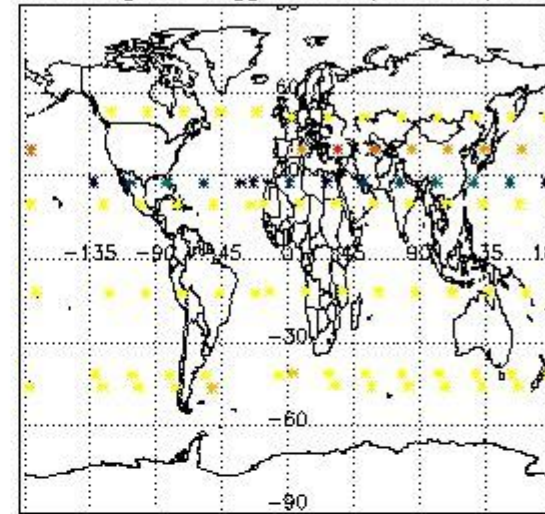


3.2 Plot quality information per product (world map)

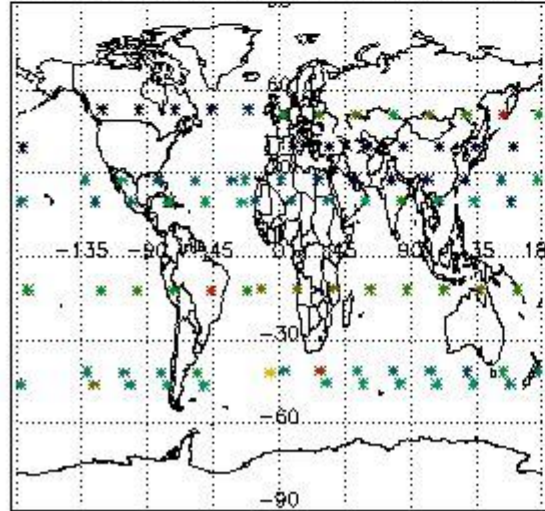
Percentage of flagged data per O3 profile



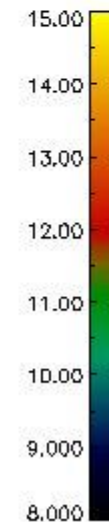
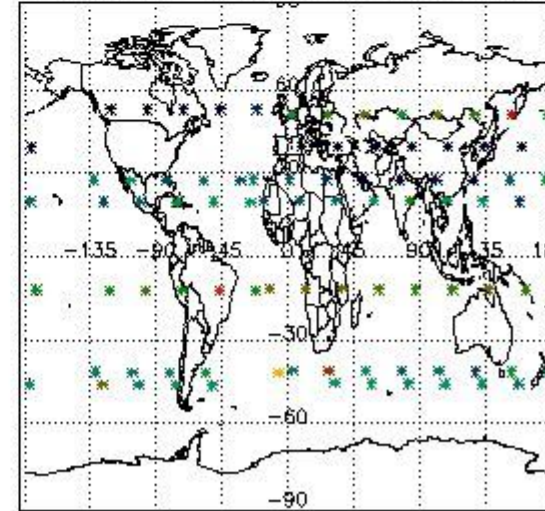
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

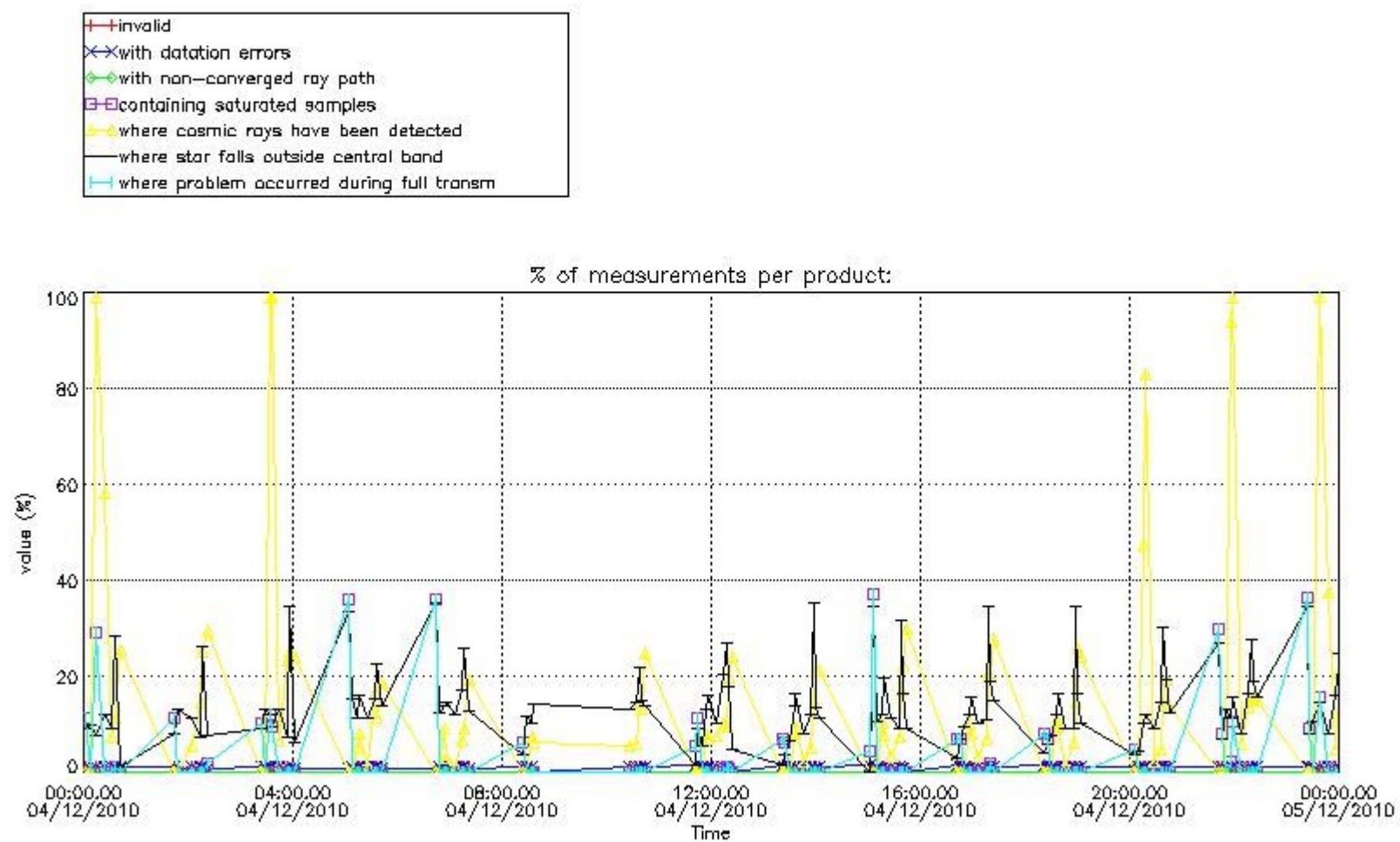


4. Level 1 quality information per product

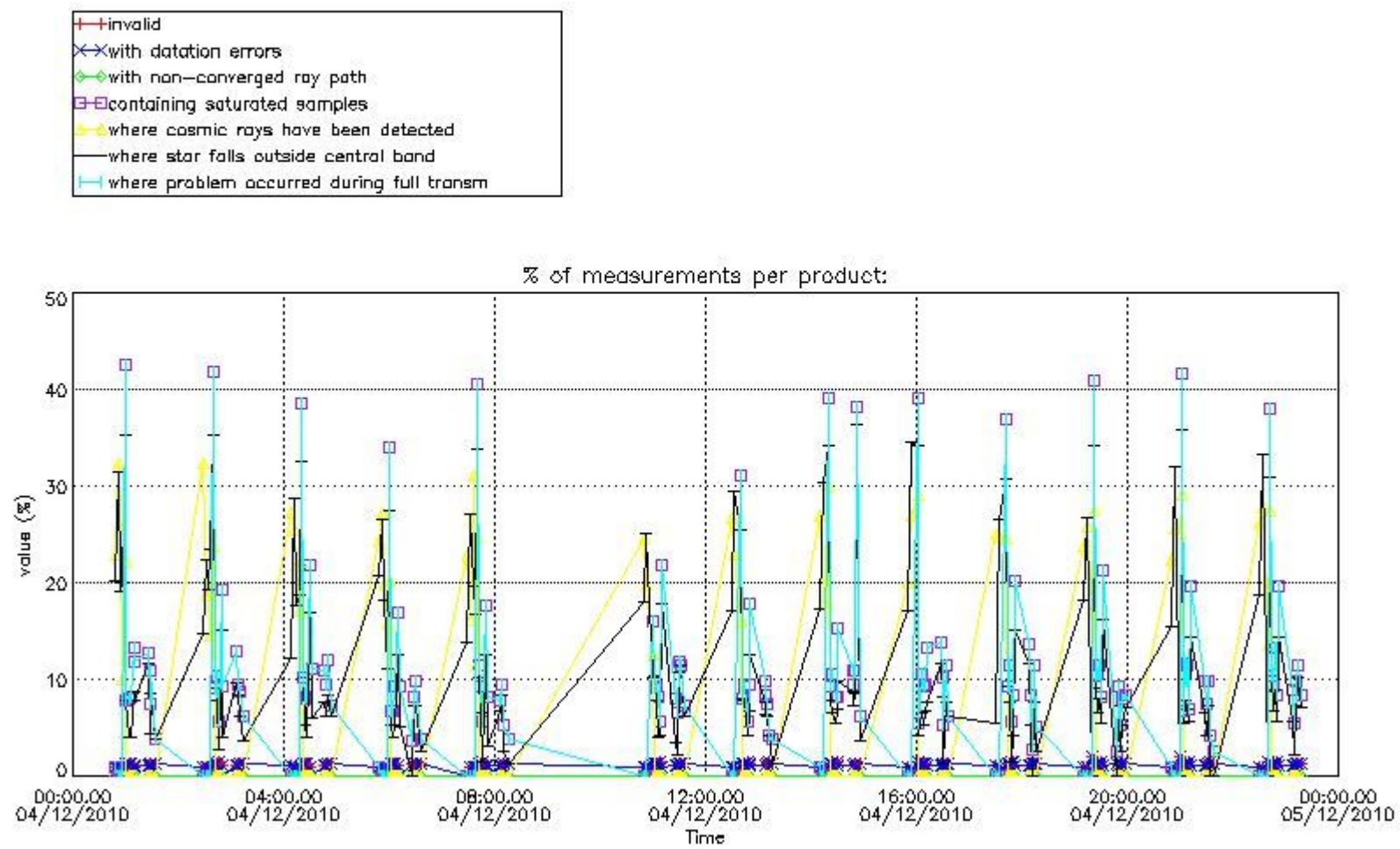
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



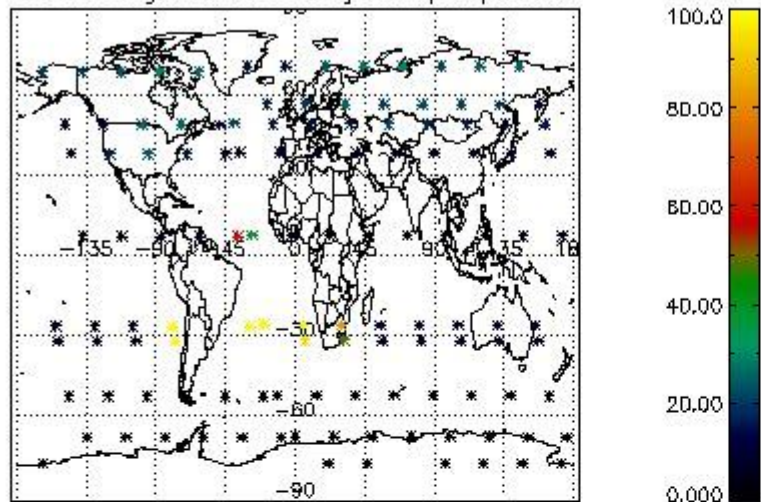
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



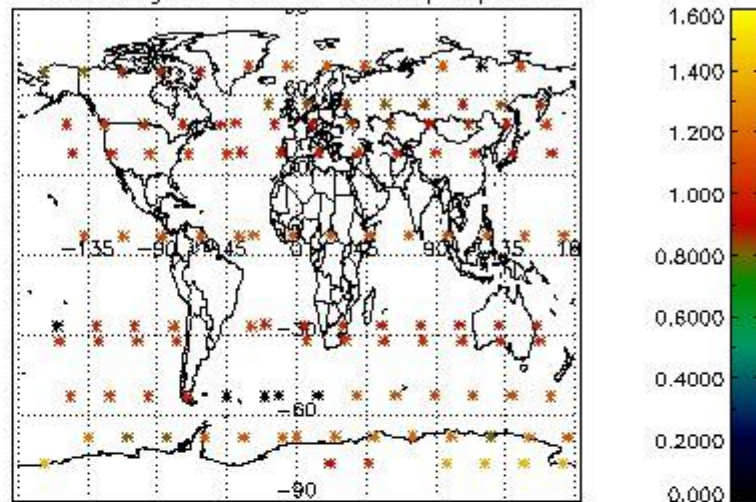
4.2 Plot quality information per product coming from level 1b processing (world map)

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

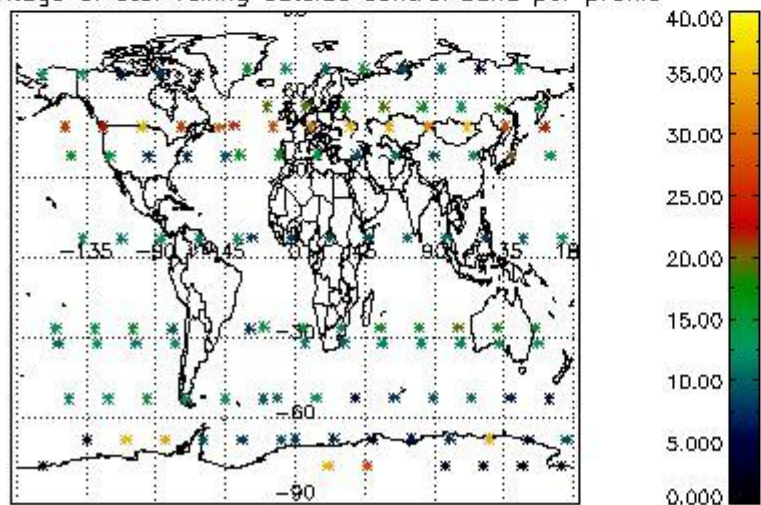
Percentage of cosmic ray hits per profile



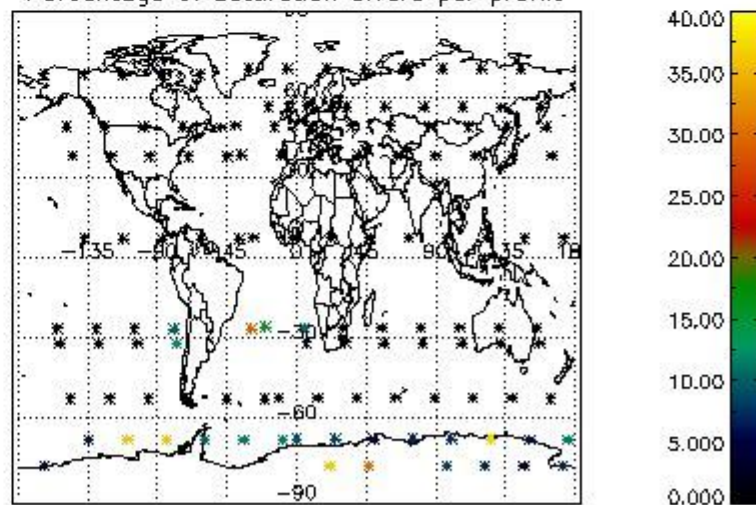
Percentage of datation errors per profile



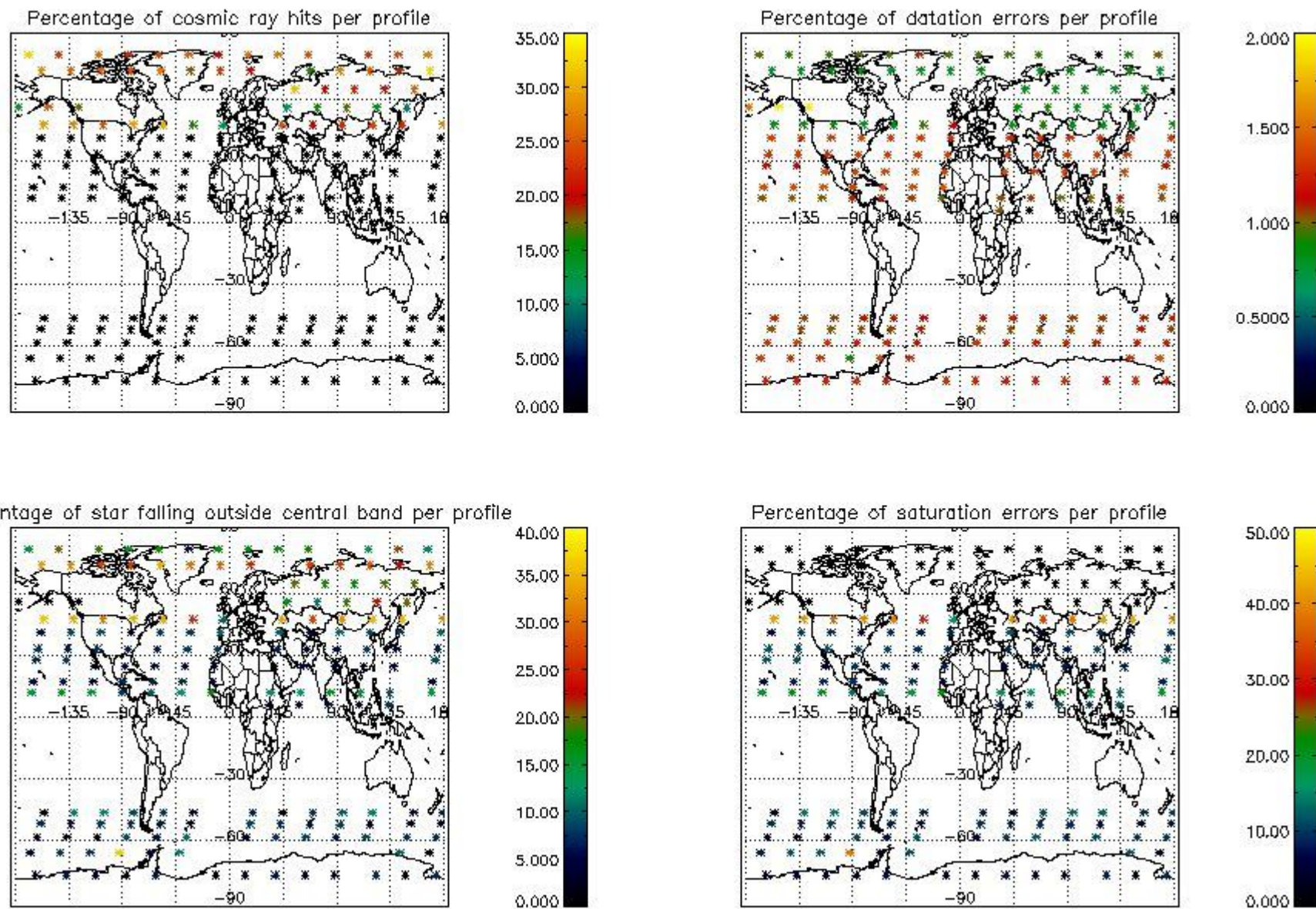
Percentage of star falling outside central band per profile



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

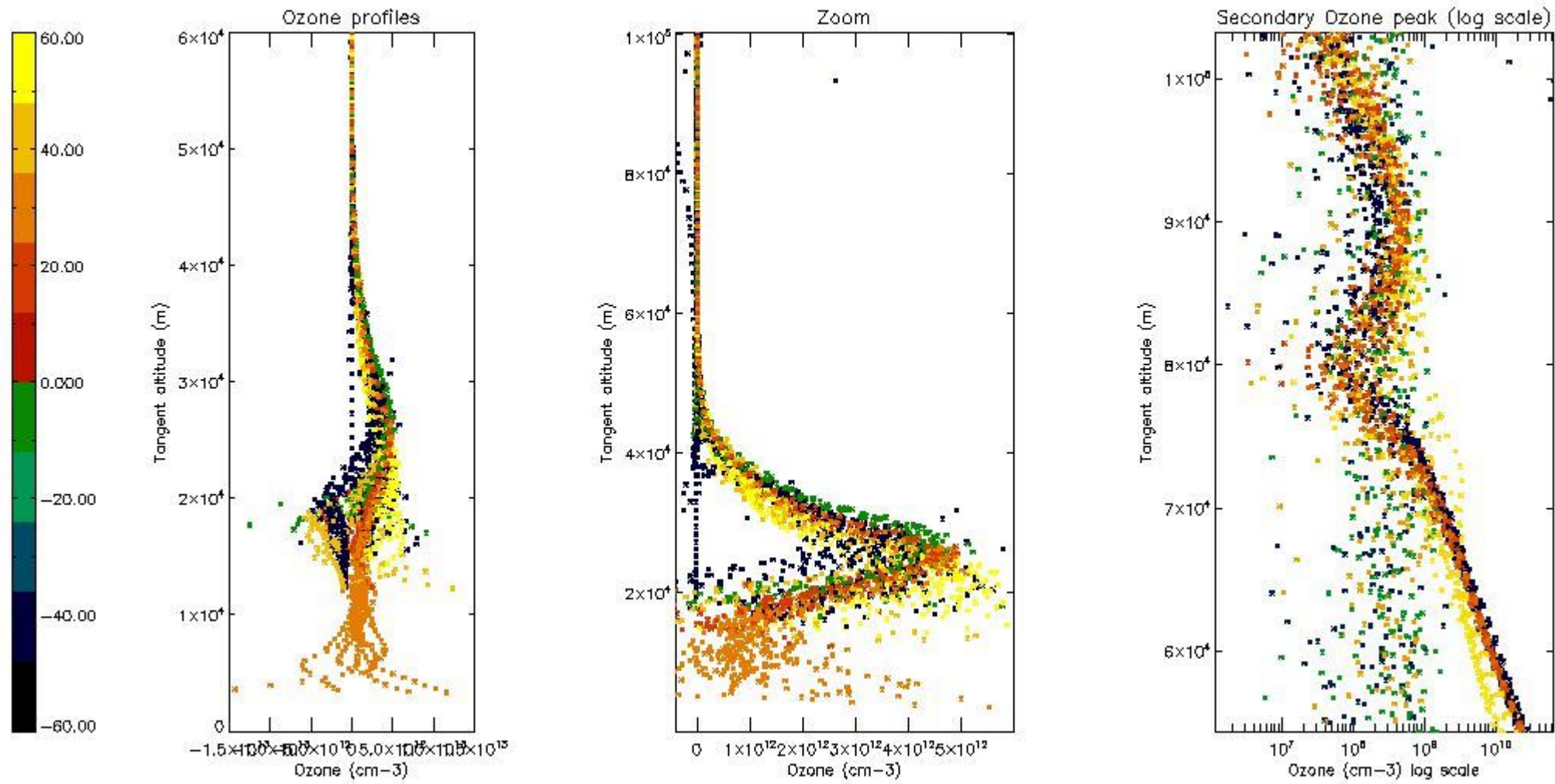
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

| Criteria | % of total production |
|----------|-----------------------|
| All STD | 32 |
| STD < 20 | 16 |

| | |
|----------|----|
| STD < 10 | 12 |
| STD < 5 | 8 |

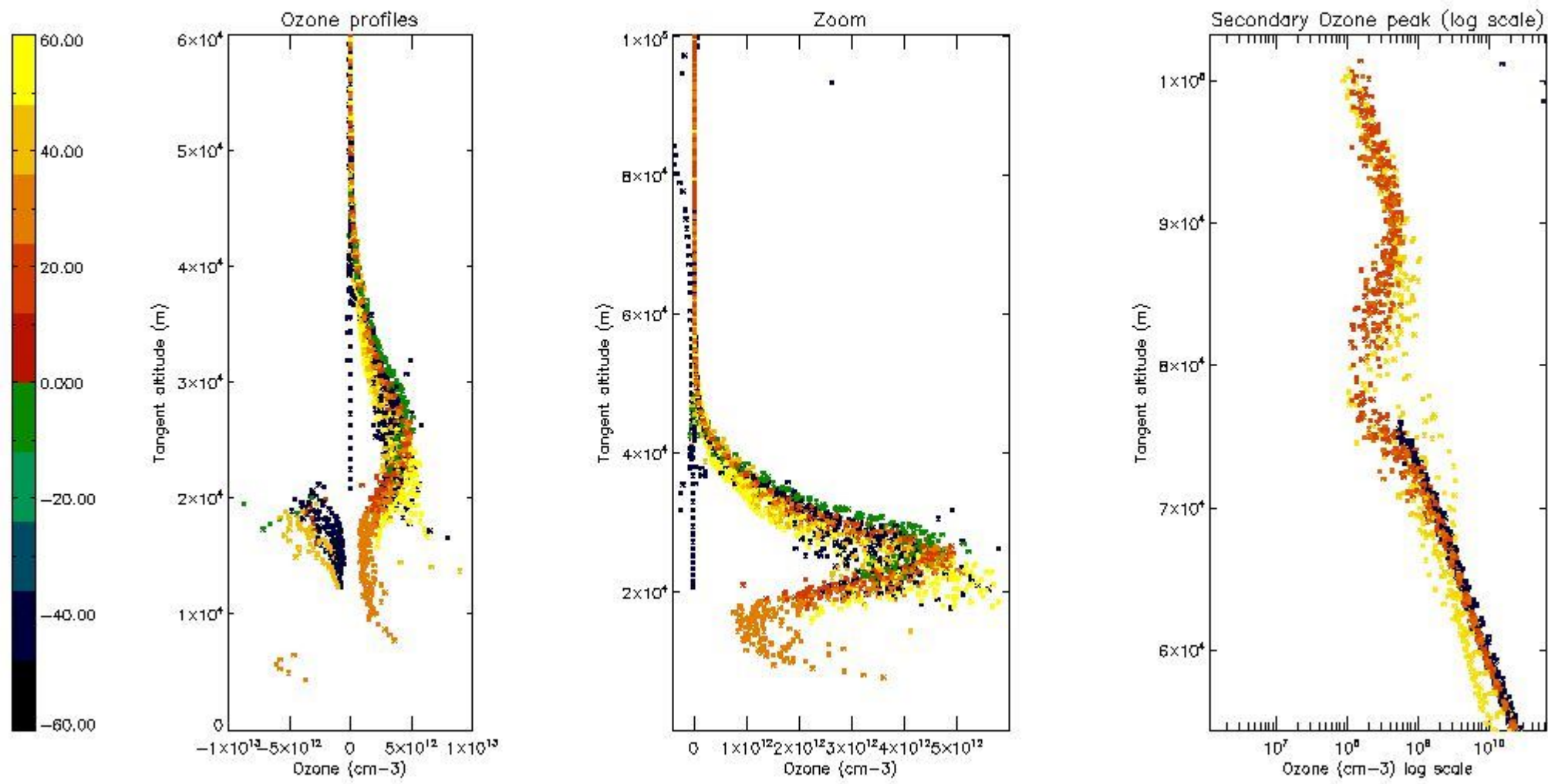
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



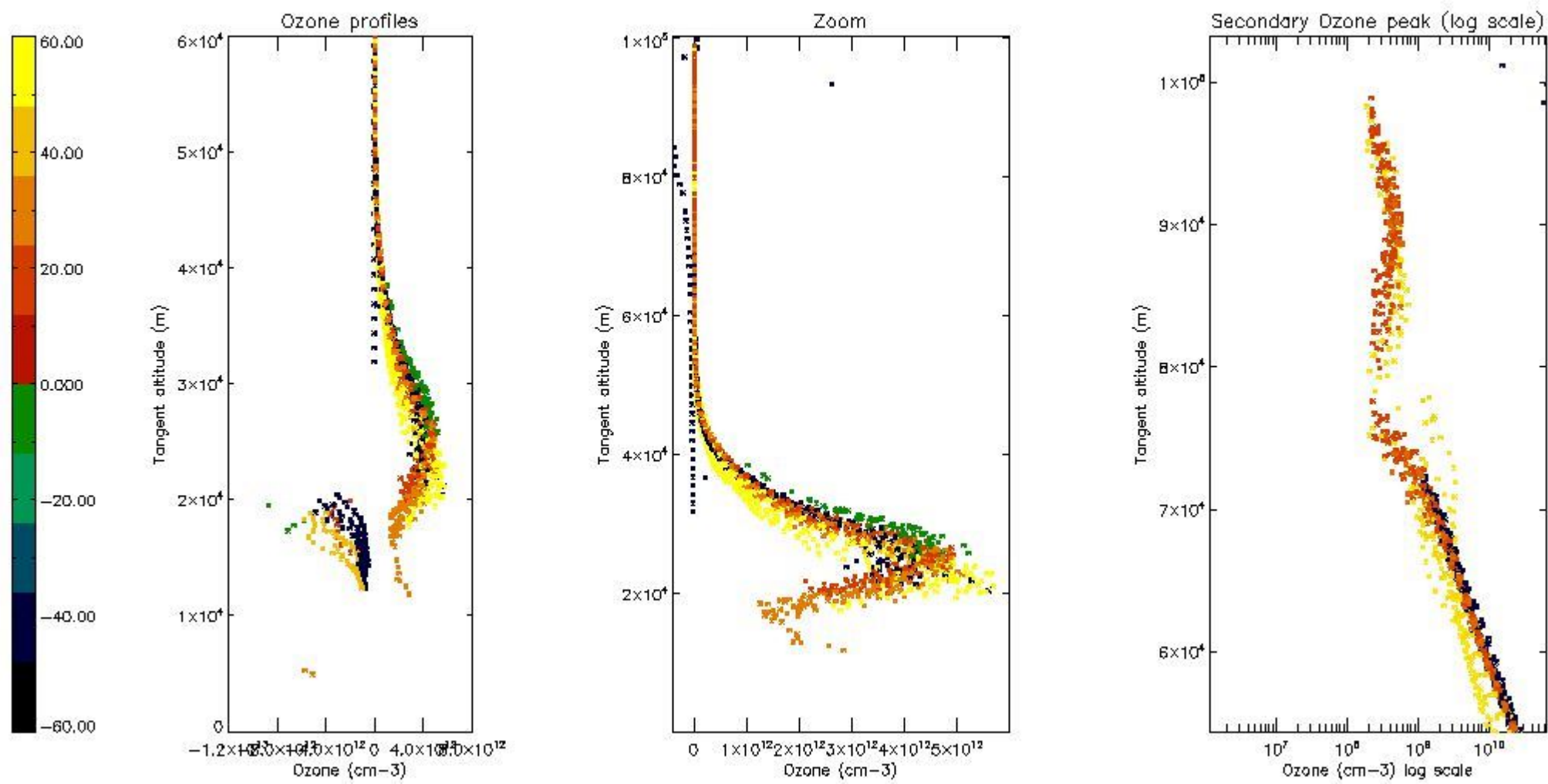
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



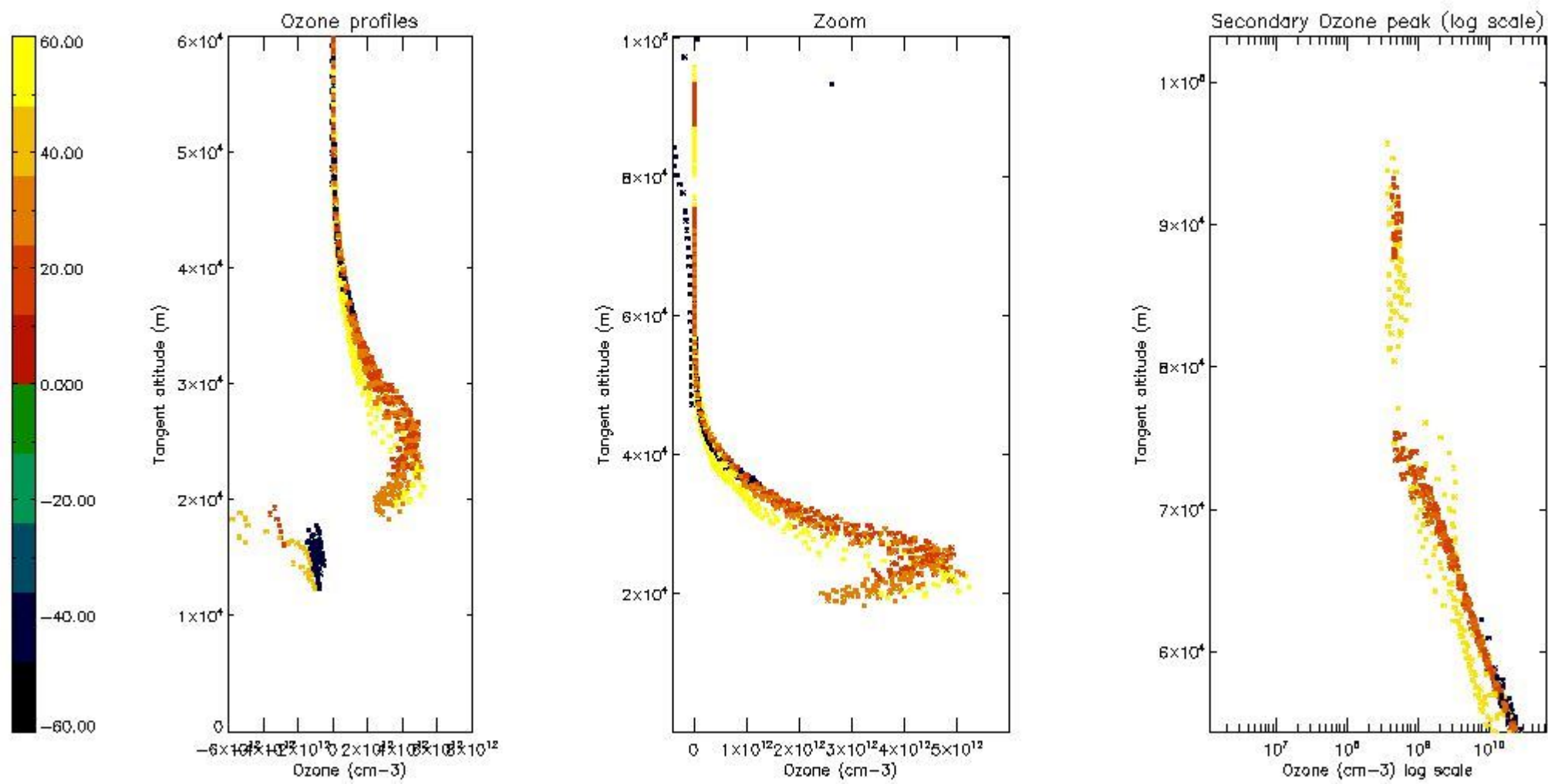
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



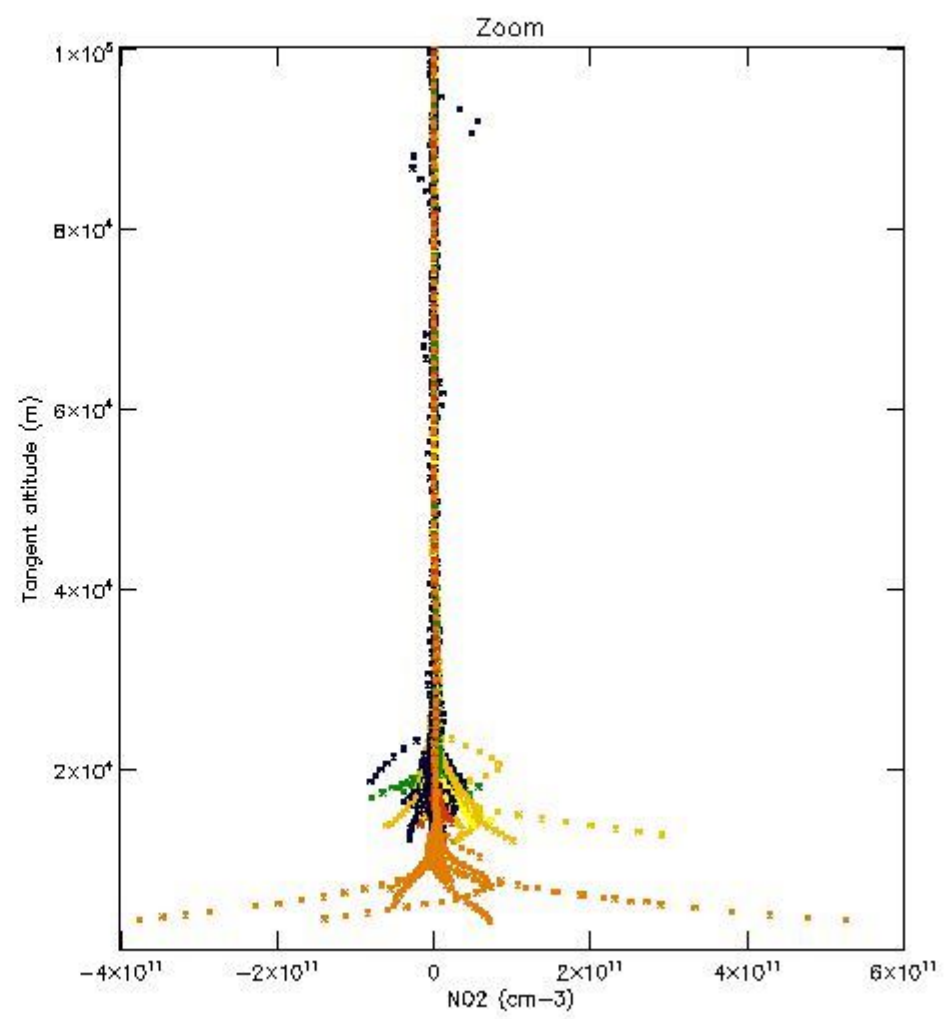
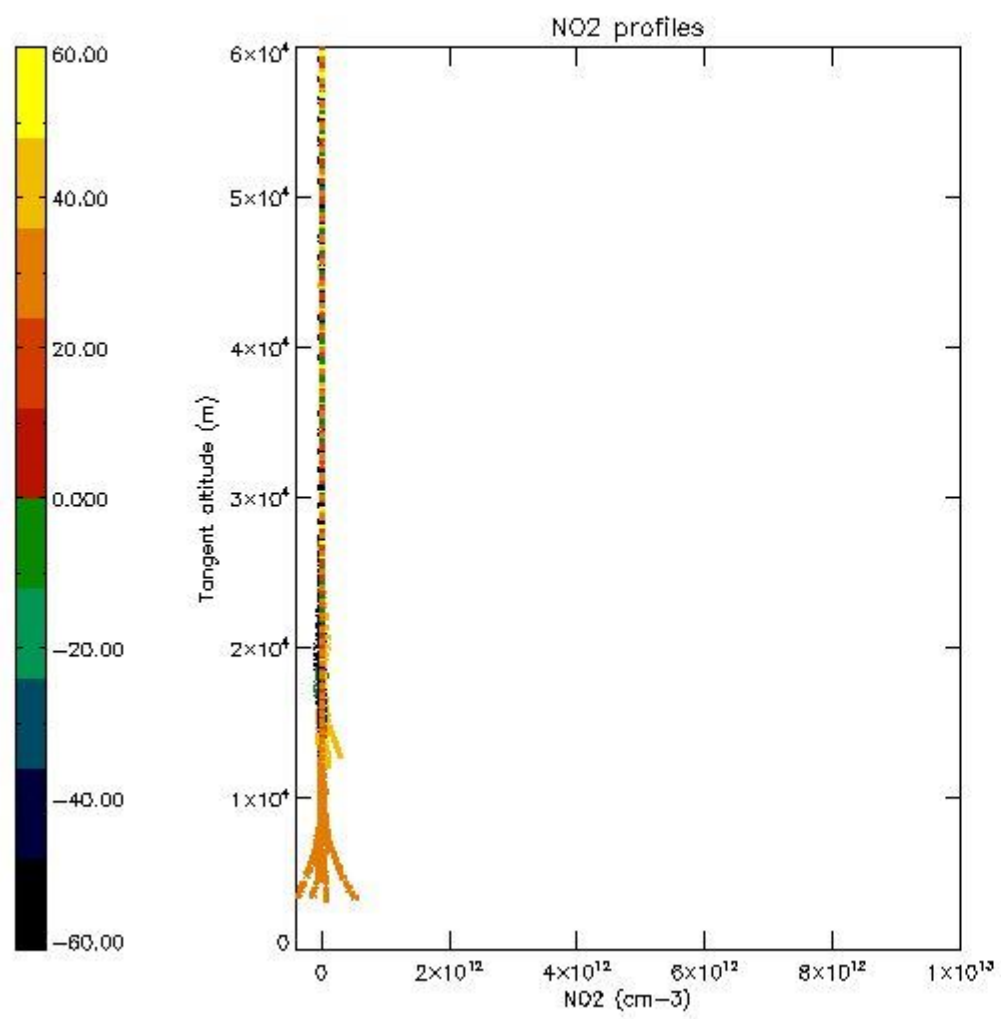
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



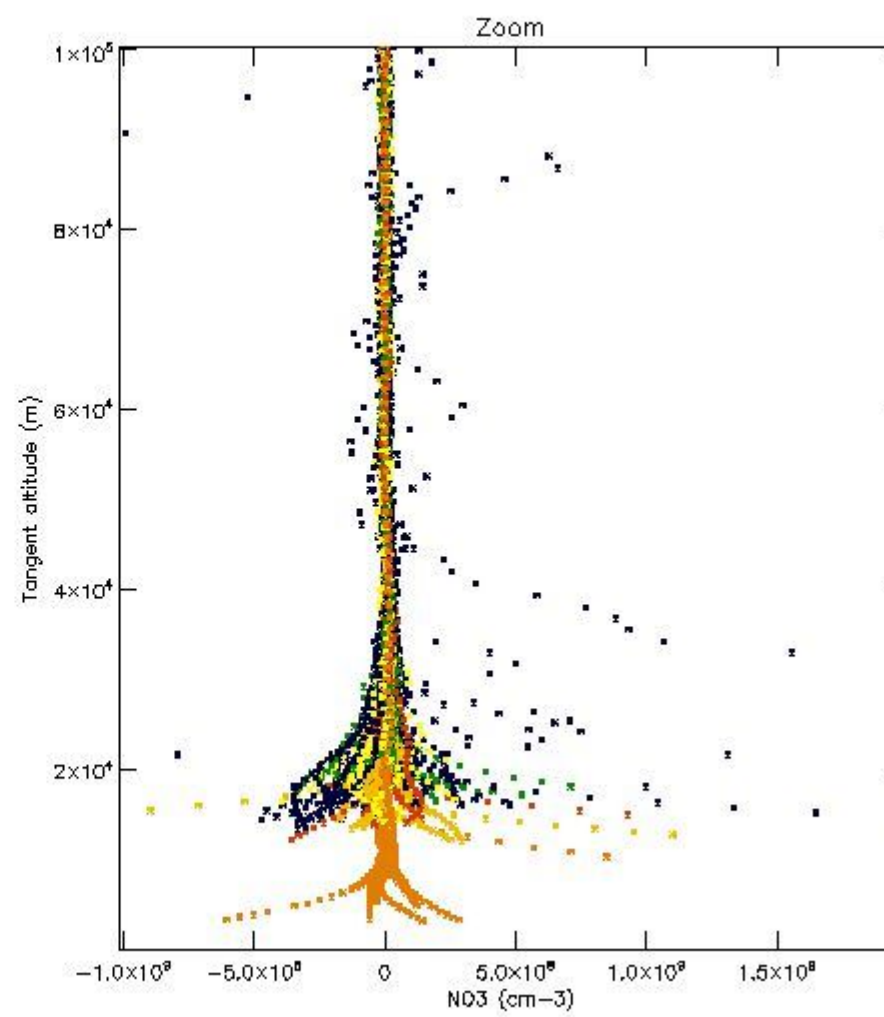
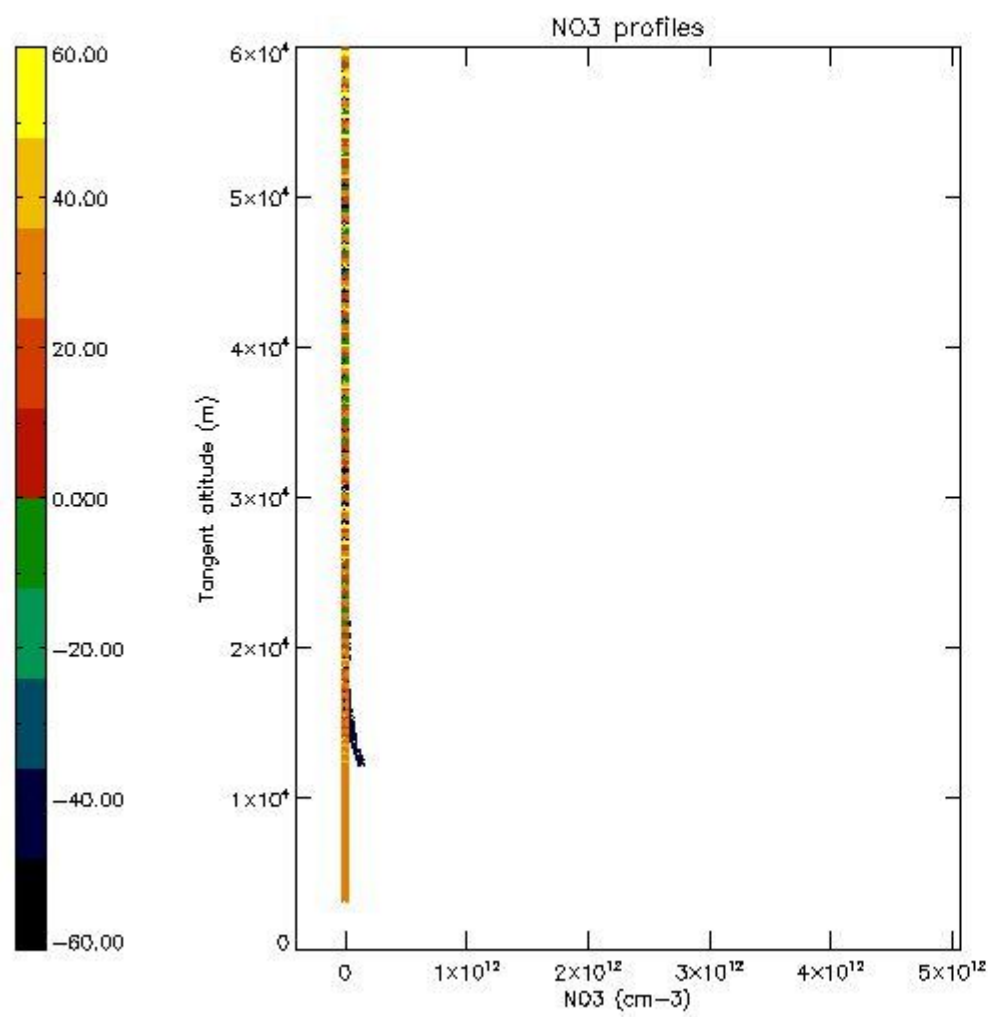
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



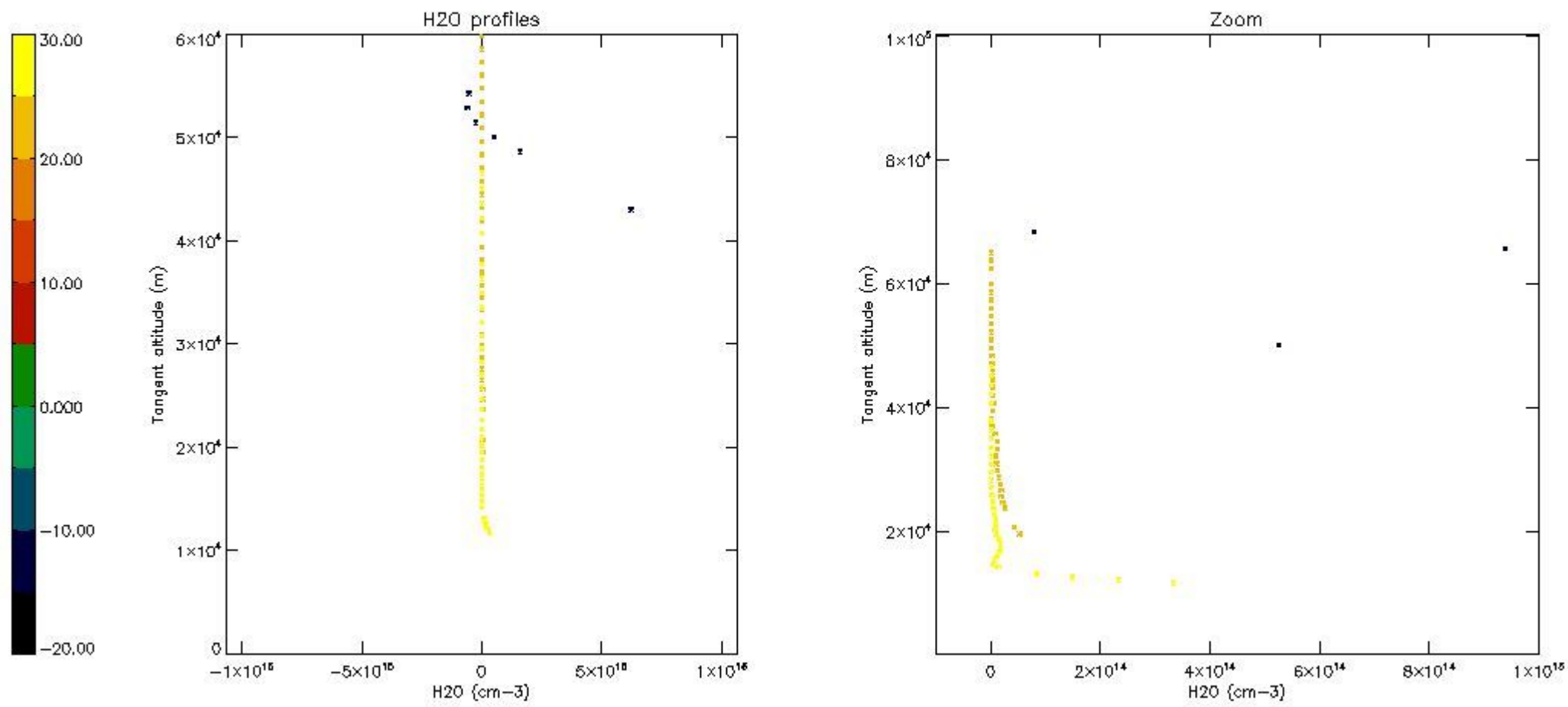
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

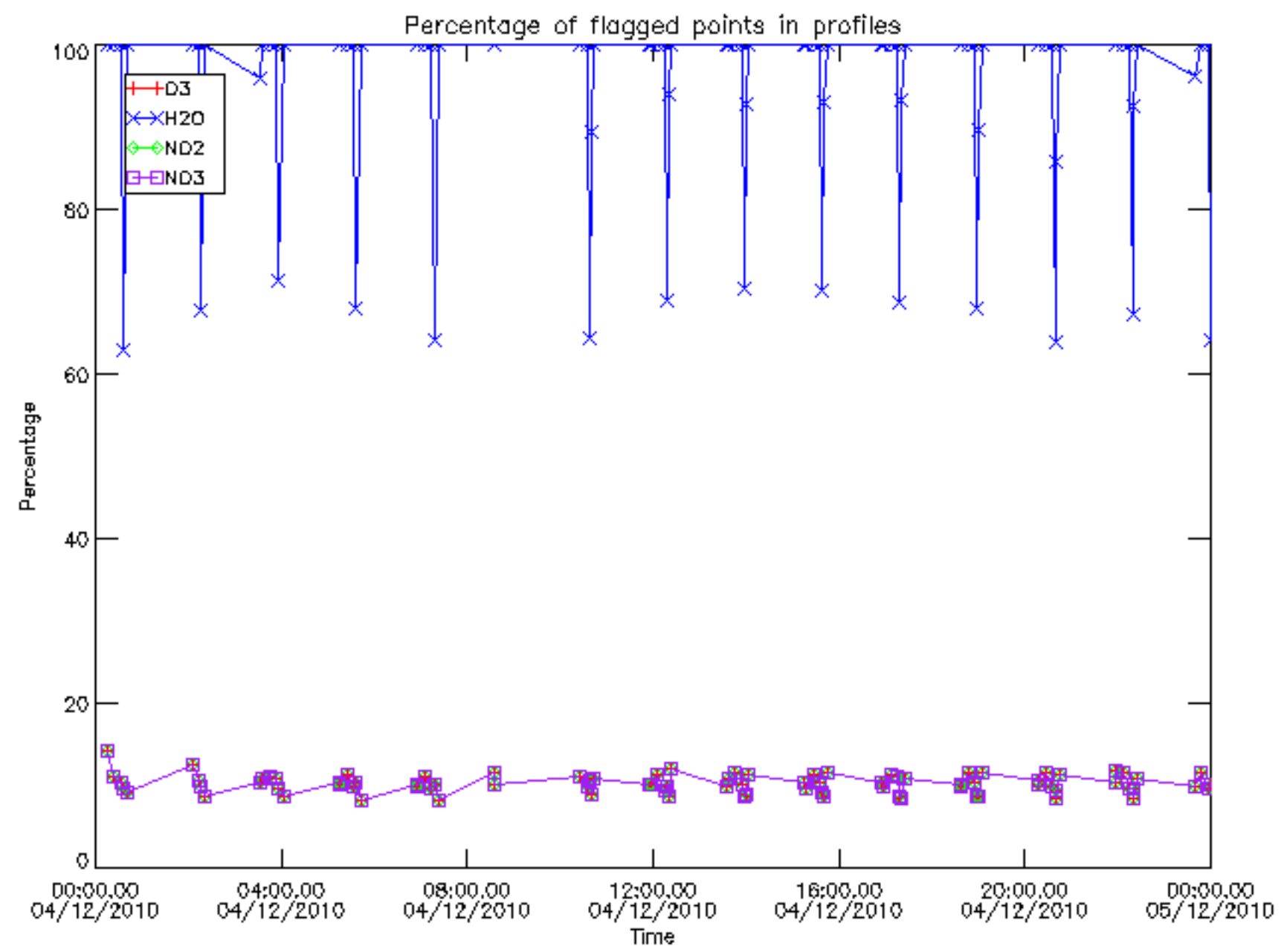
The colorbar represents the latitude.



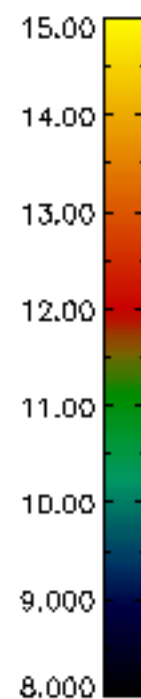
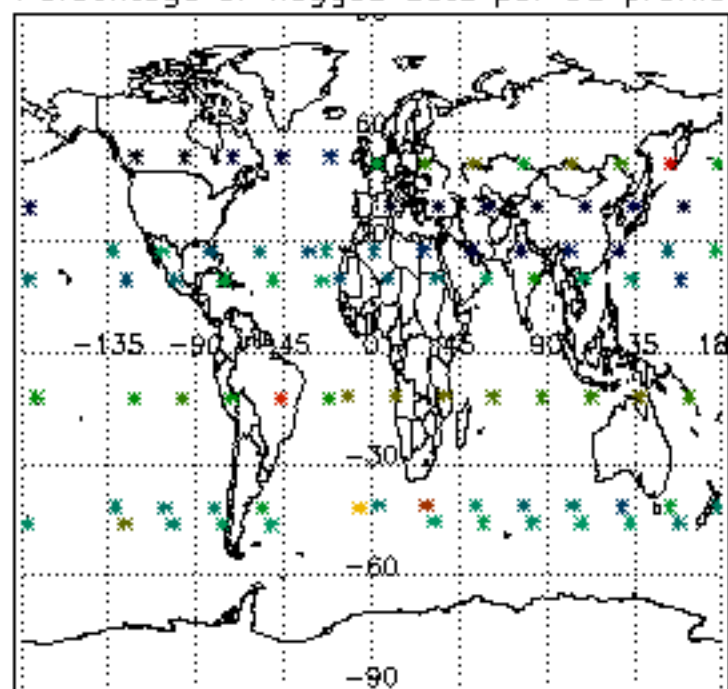
6. Auxiliary Data Files used for the production reported in section 2

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

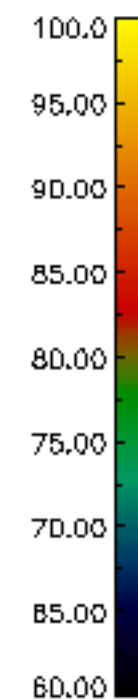
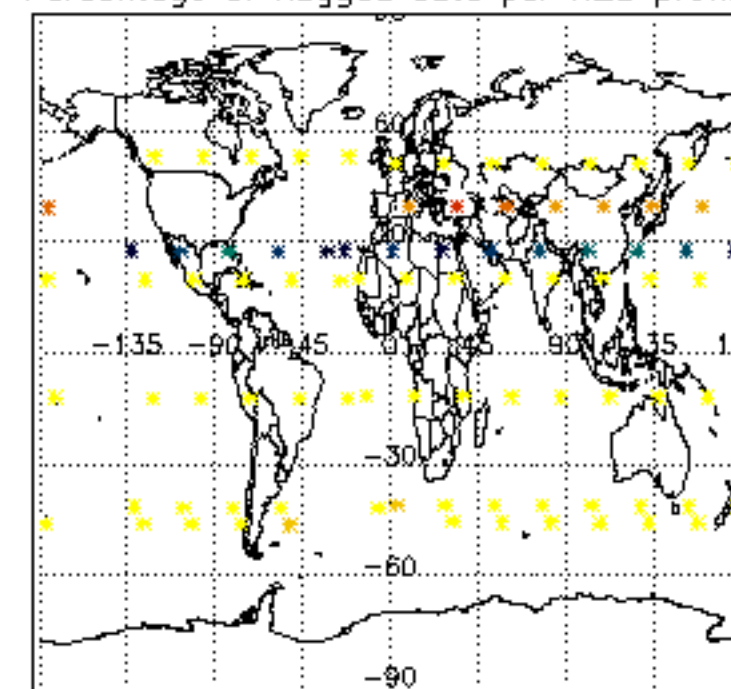
| Type | Auxiliary Filename | Used since product | Used since product date |
|---------------------------|---|--------------------|-------------------------|
| INST_PHYS_CHARACTERISTICS | GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000 | 1 | 04-DEC-2010 00:02:59 |
| LEVEL-2_PROC_CONFIG | GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000 | 1 | 04-DEC-2010 00:02:59 |
| CROSS_SECTIONS_FILE | GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000 | 1 | 04-DEC-2010 00:02:59 |



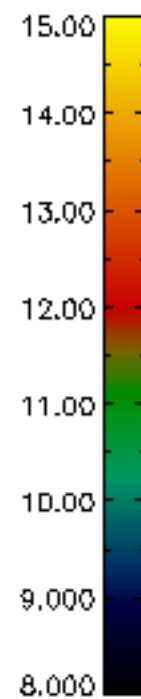
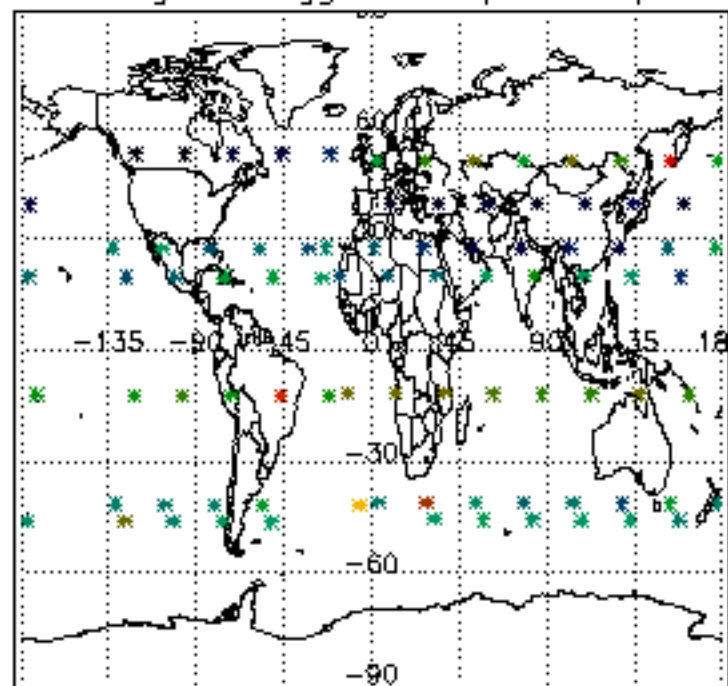
Percentage of flagged data per D3 profile



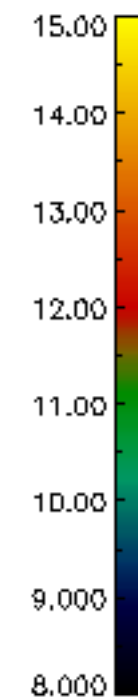
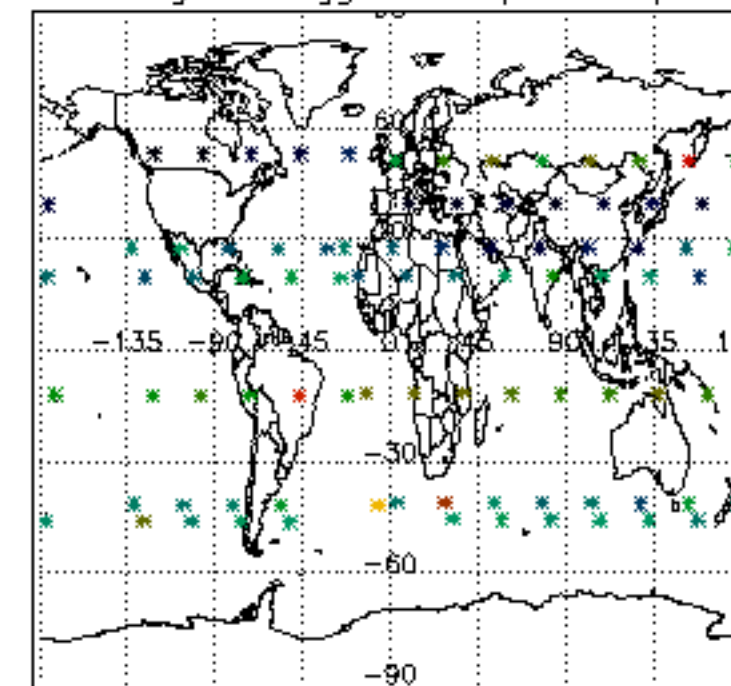
Percentage of flagged data per H2O profile

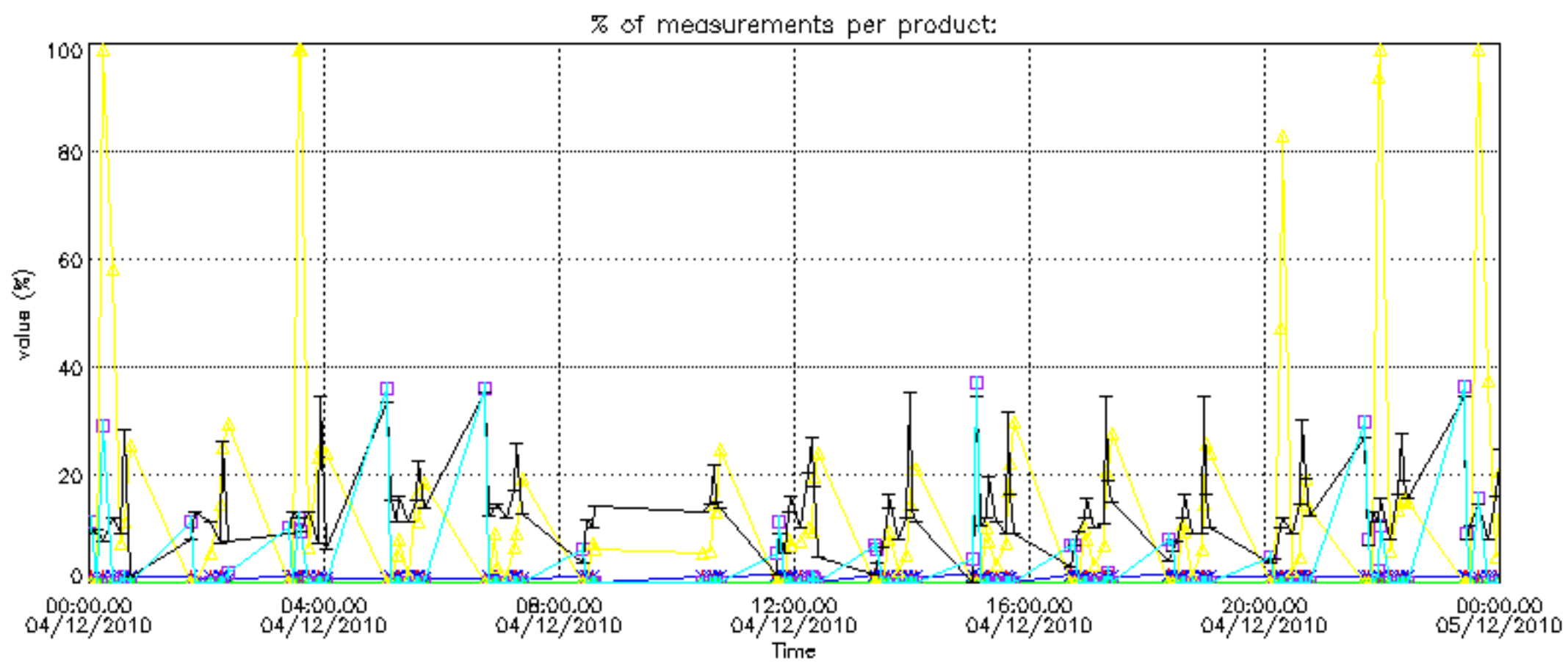


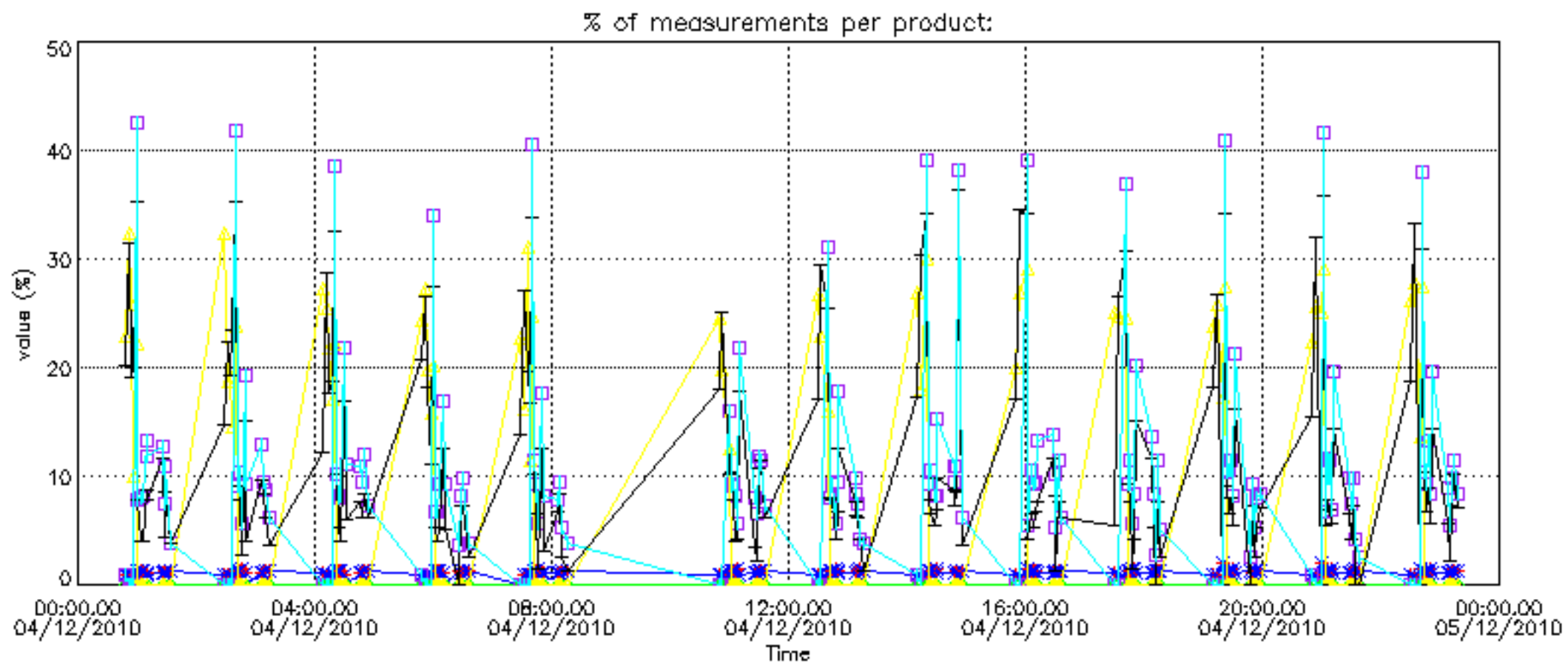
Percentage of flagged data per NO2 profile



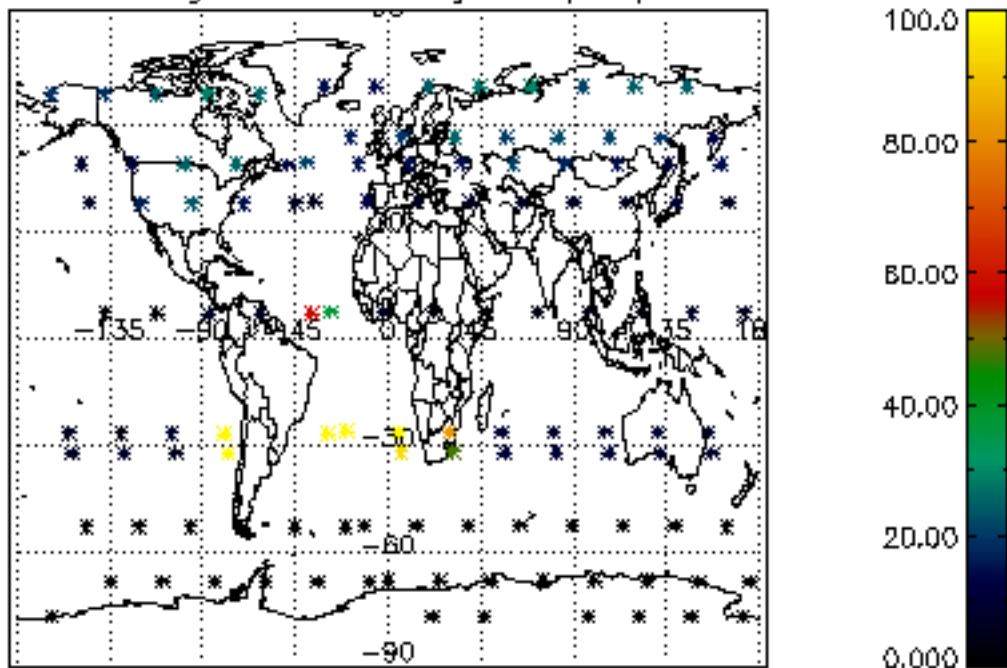
Percentage of flagged data per NO3 profile



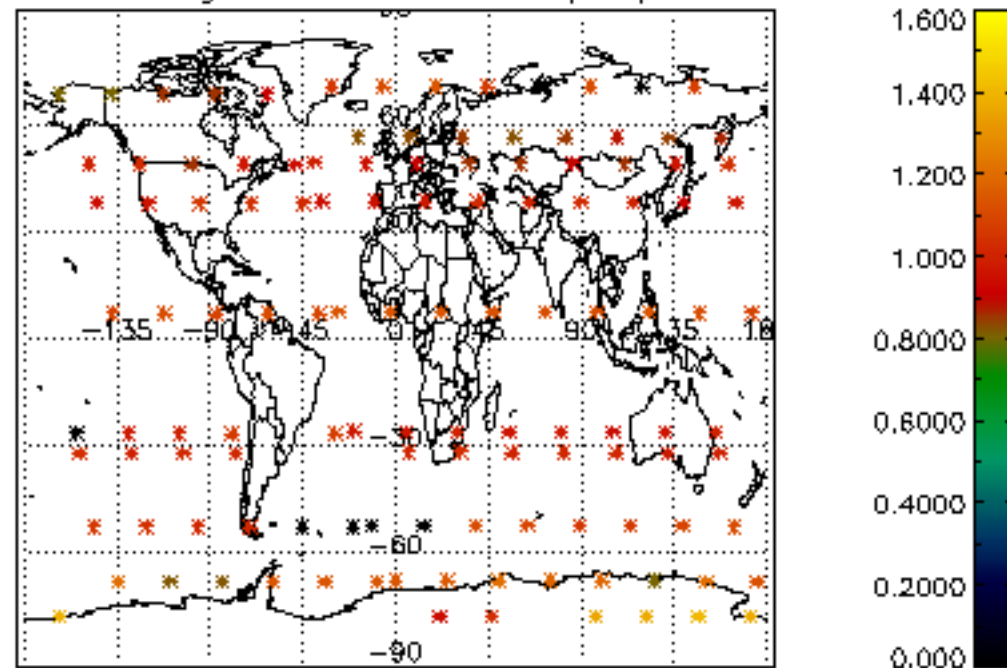




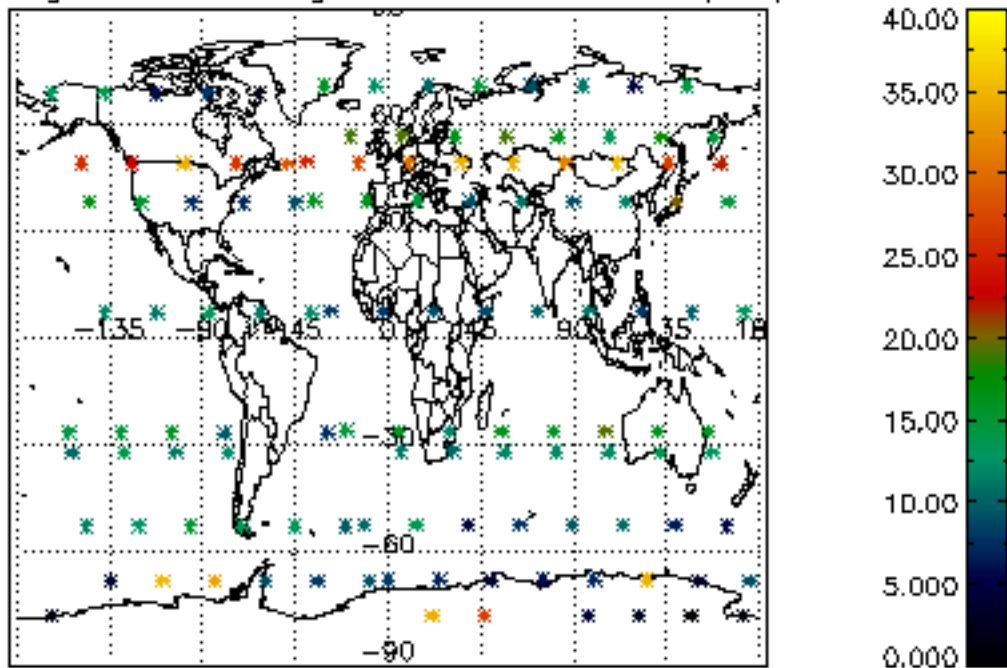
Percentage of cosmic ray hits per profile



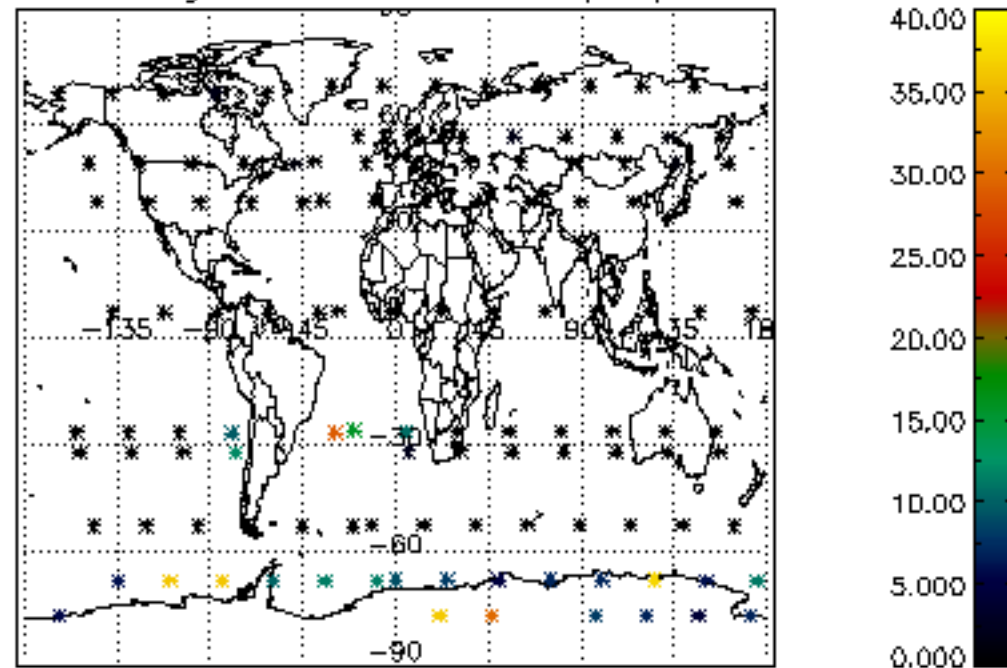
Percentage of datation errors per profile



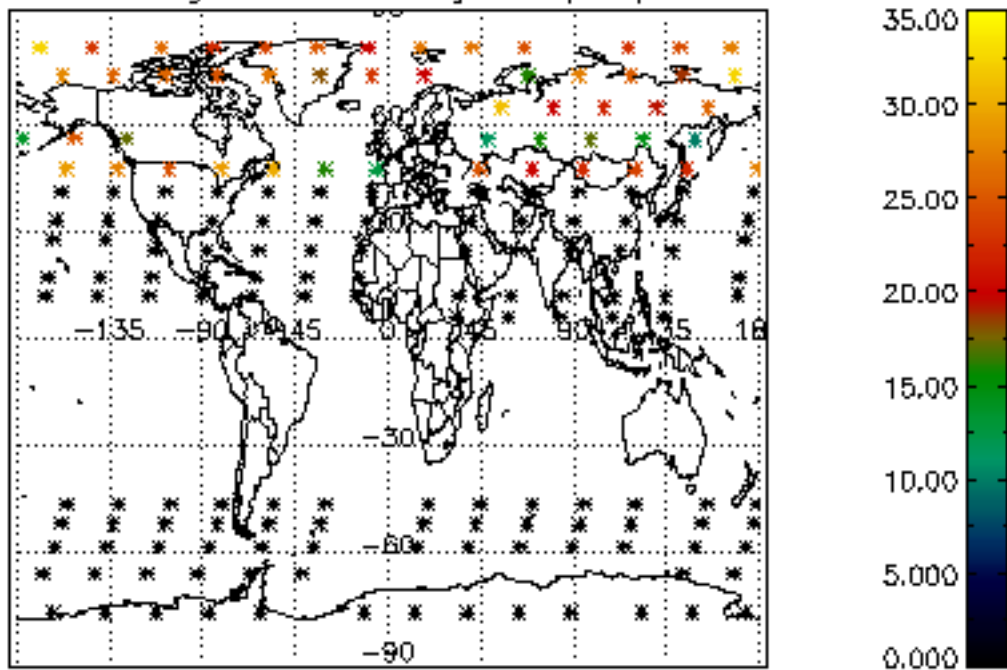
Percentage of star falling outside central band per profile



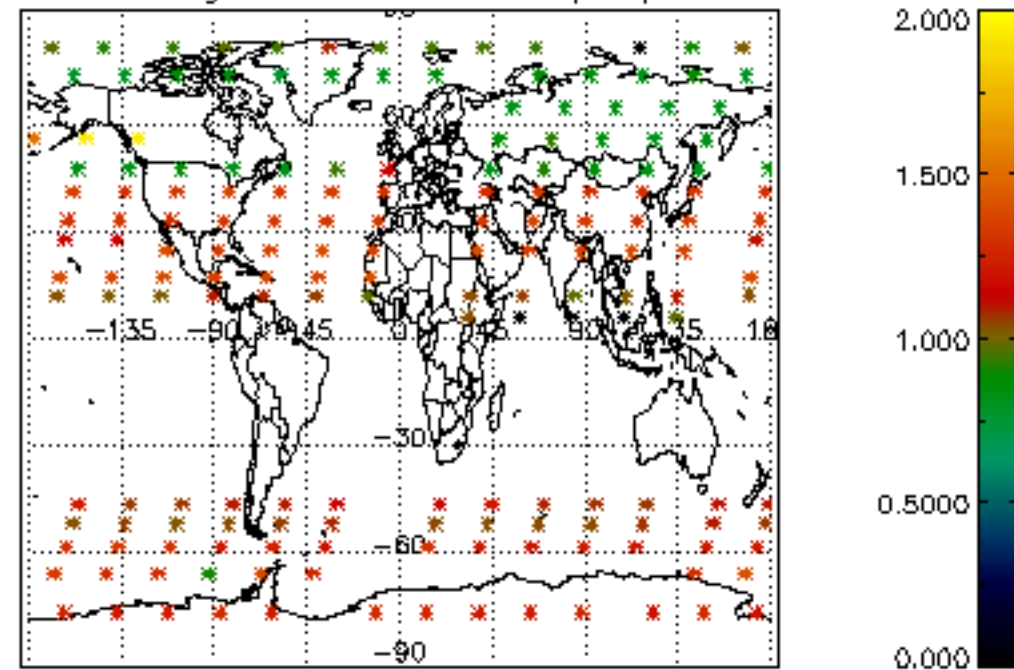
Percentage of saturation errors per profile



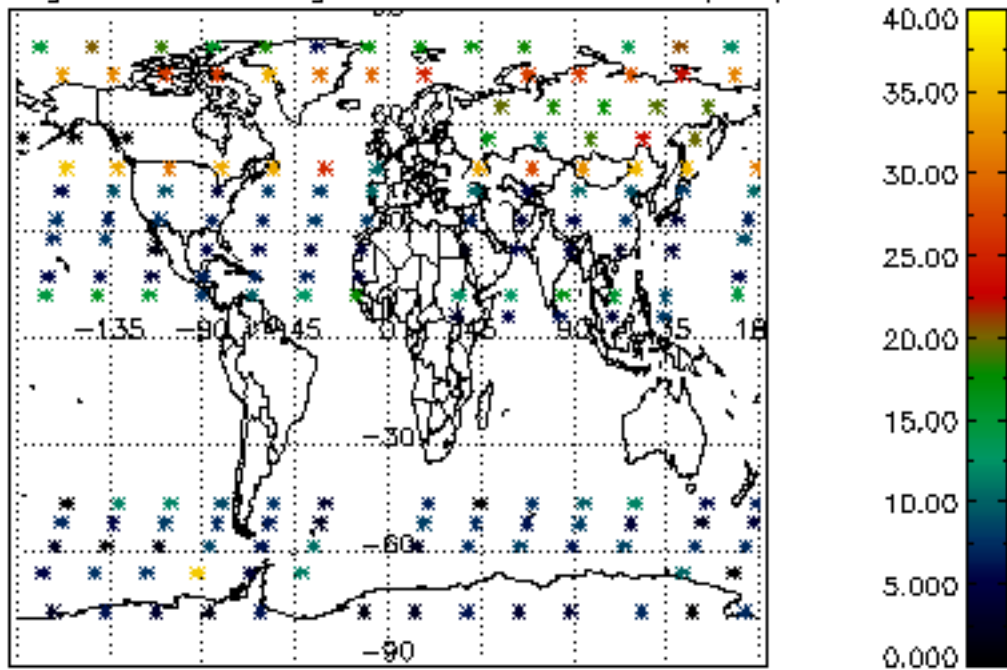
Percentage of cosmic ray hits per profile



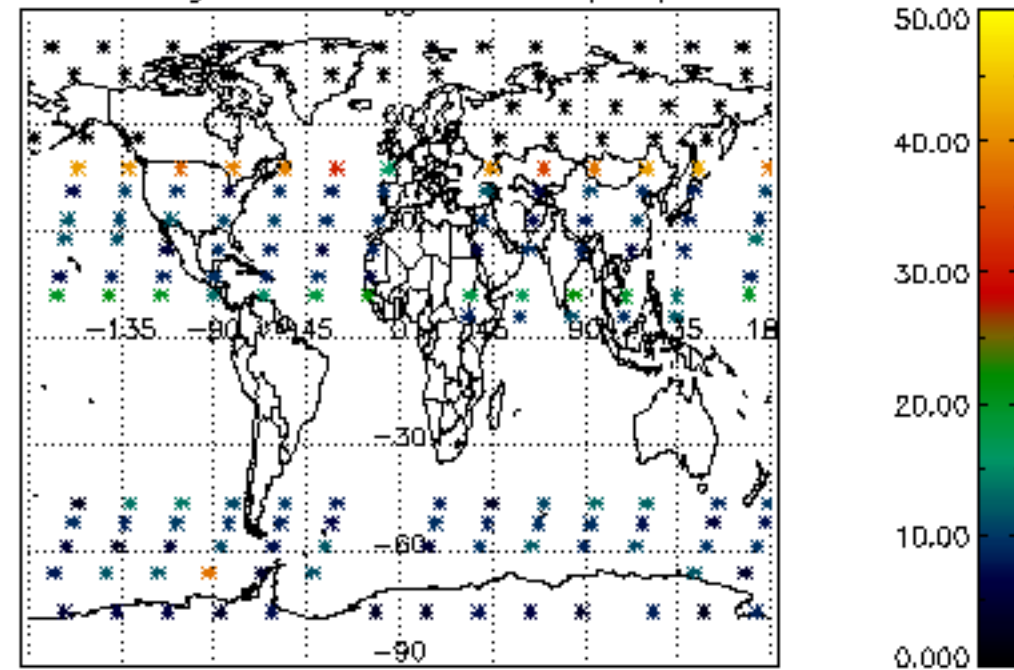
Percentage of datation errors per profile

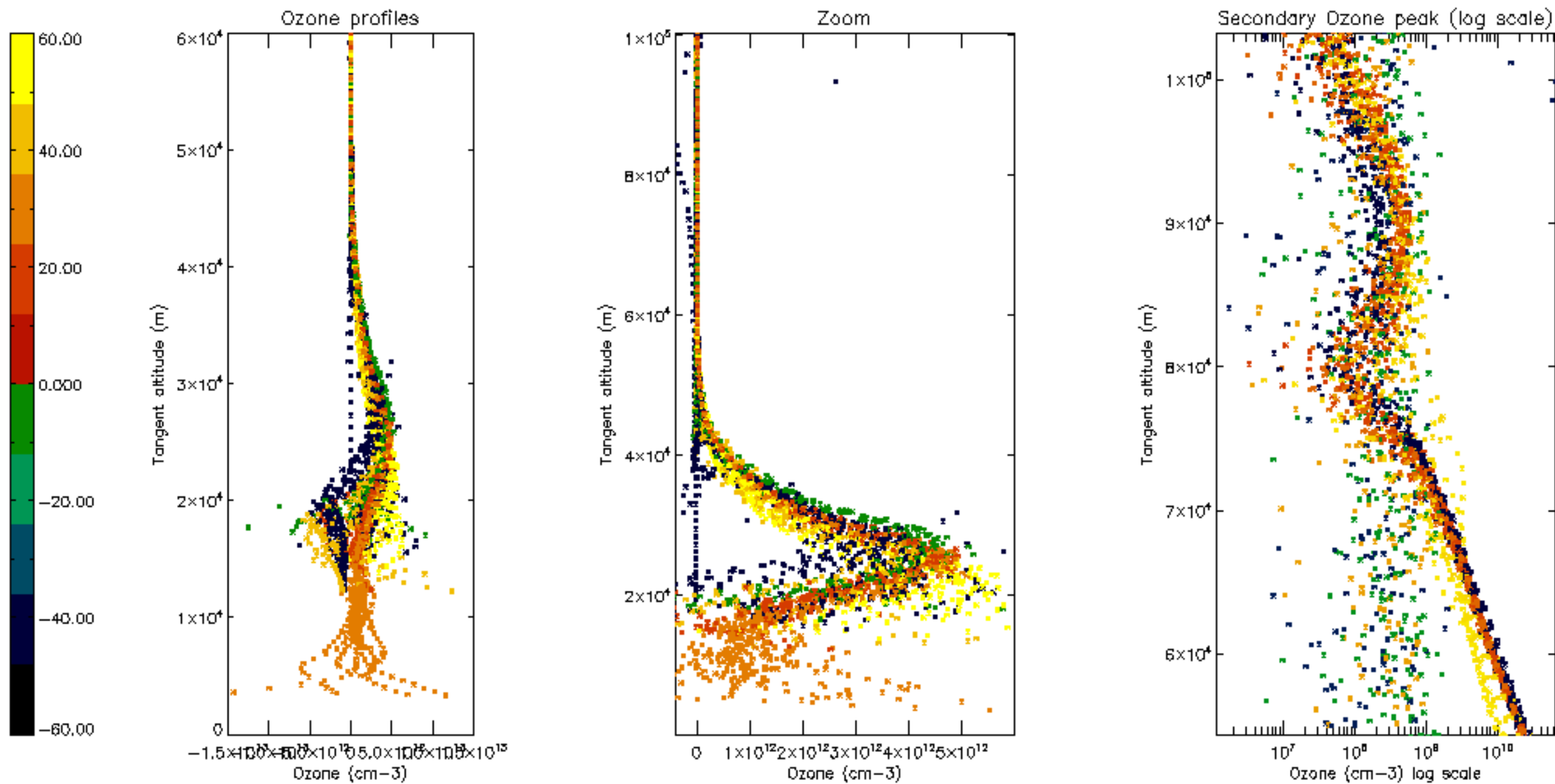


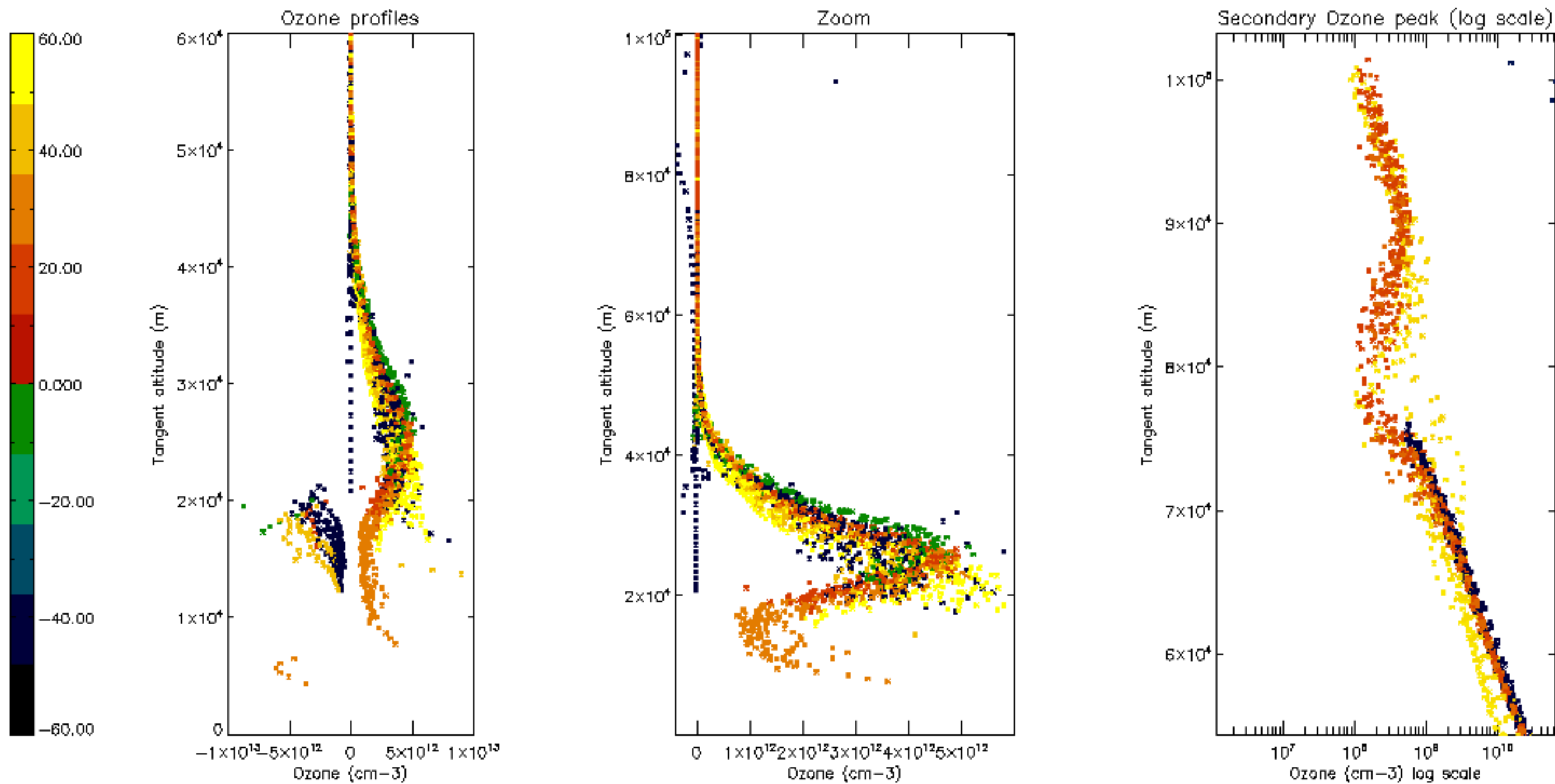
Percentage of star falling outside central band per profile

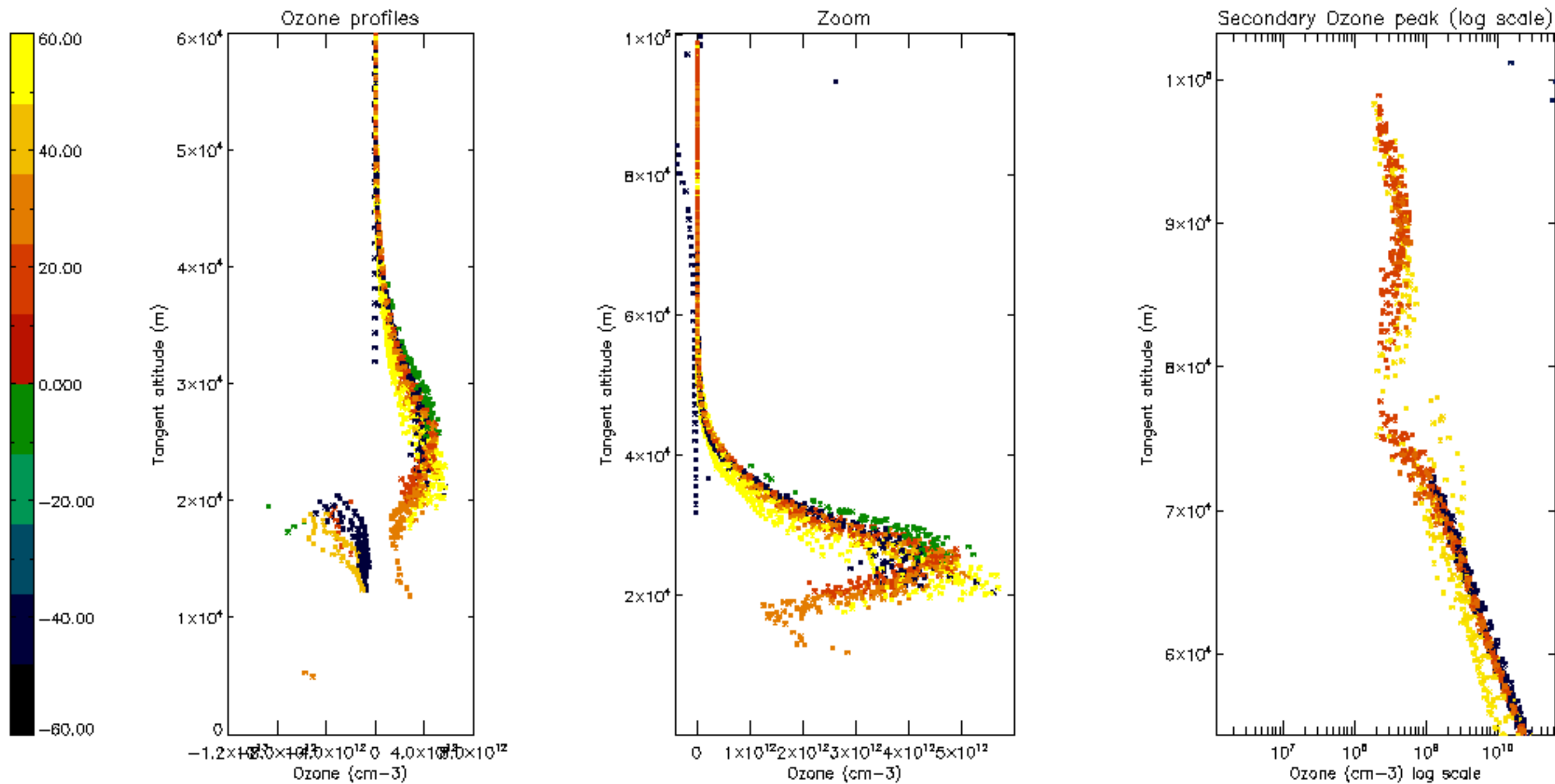


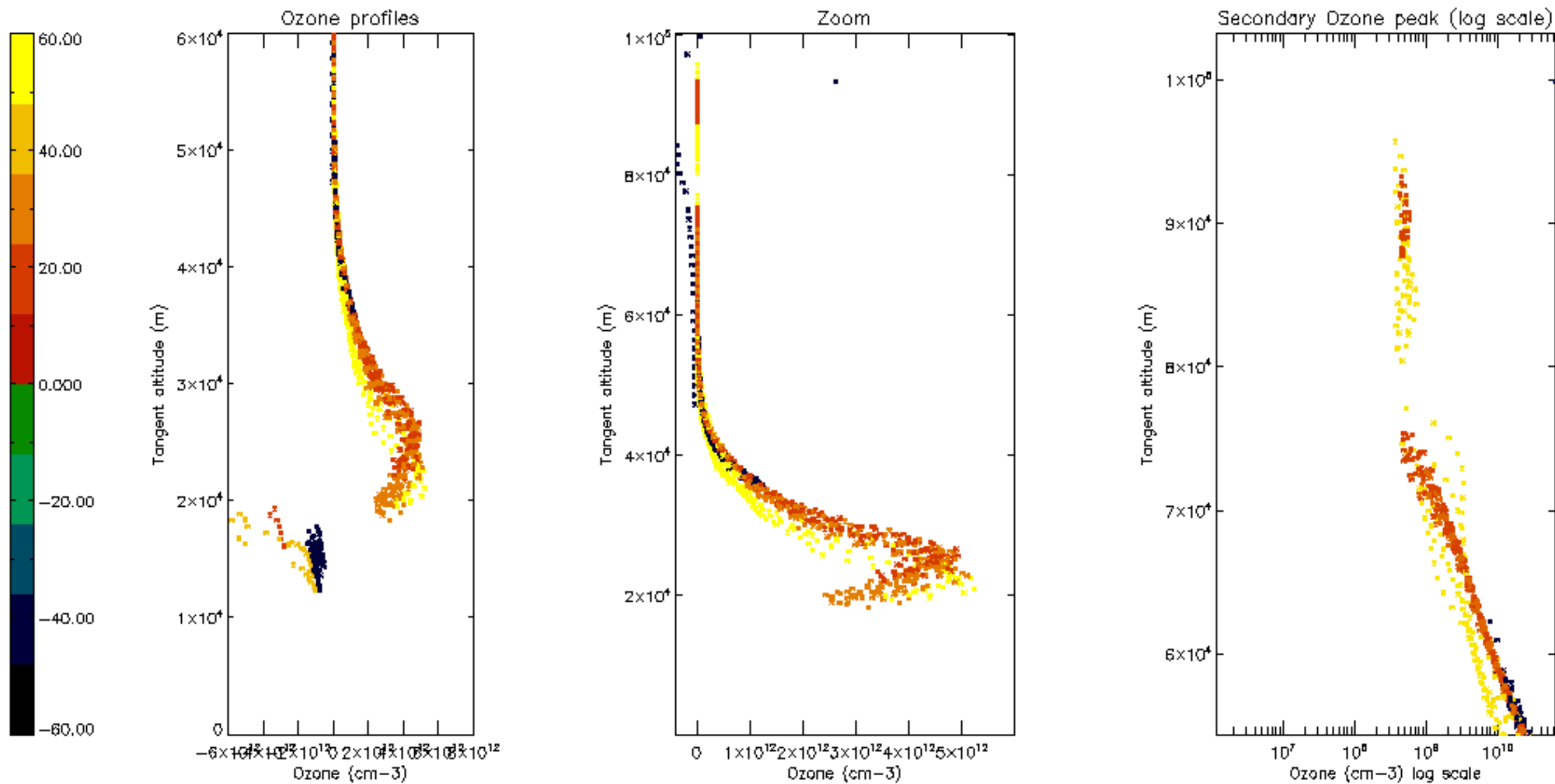
Percentage of saturation errors per profile

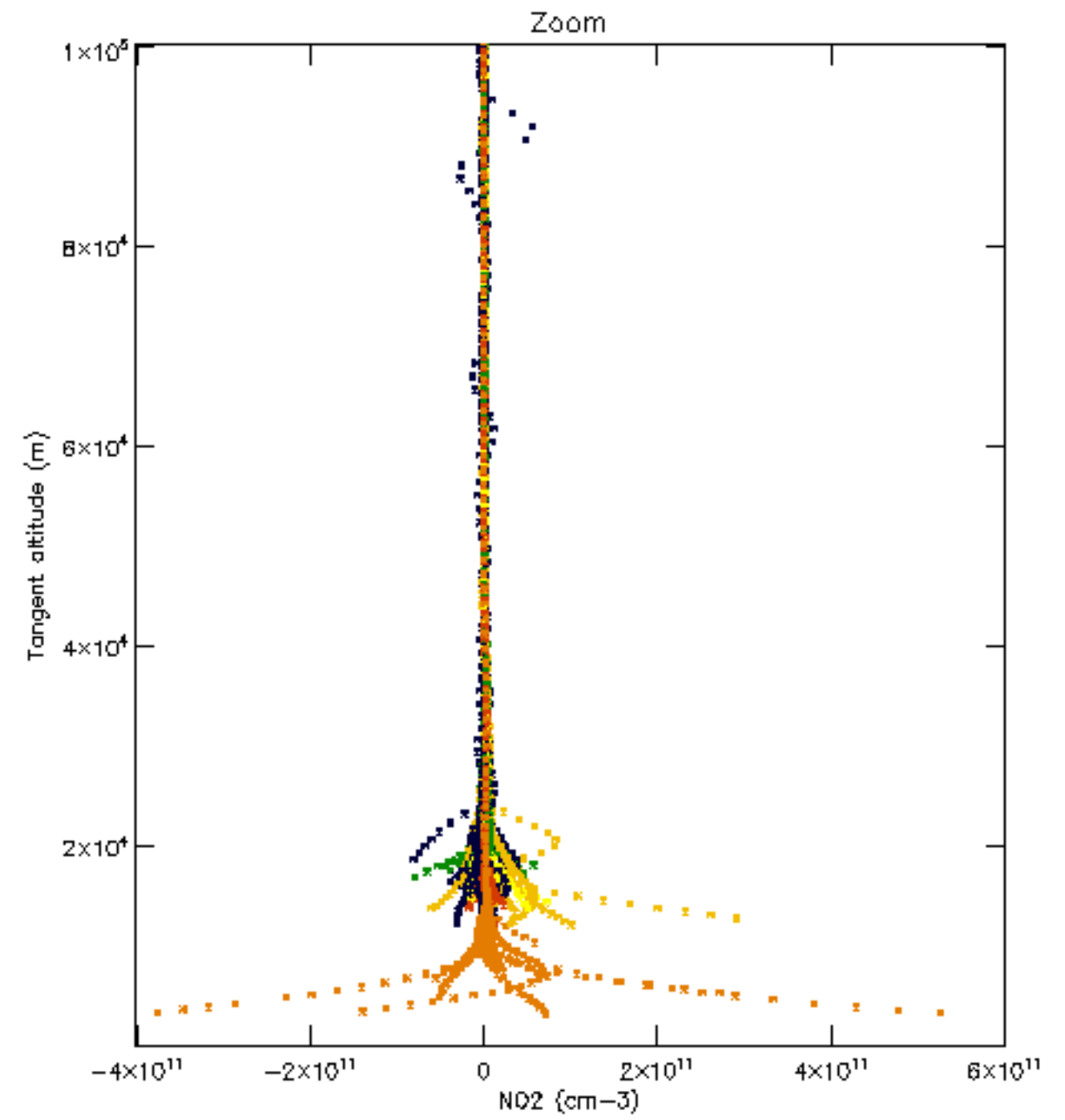
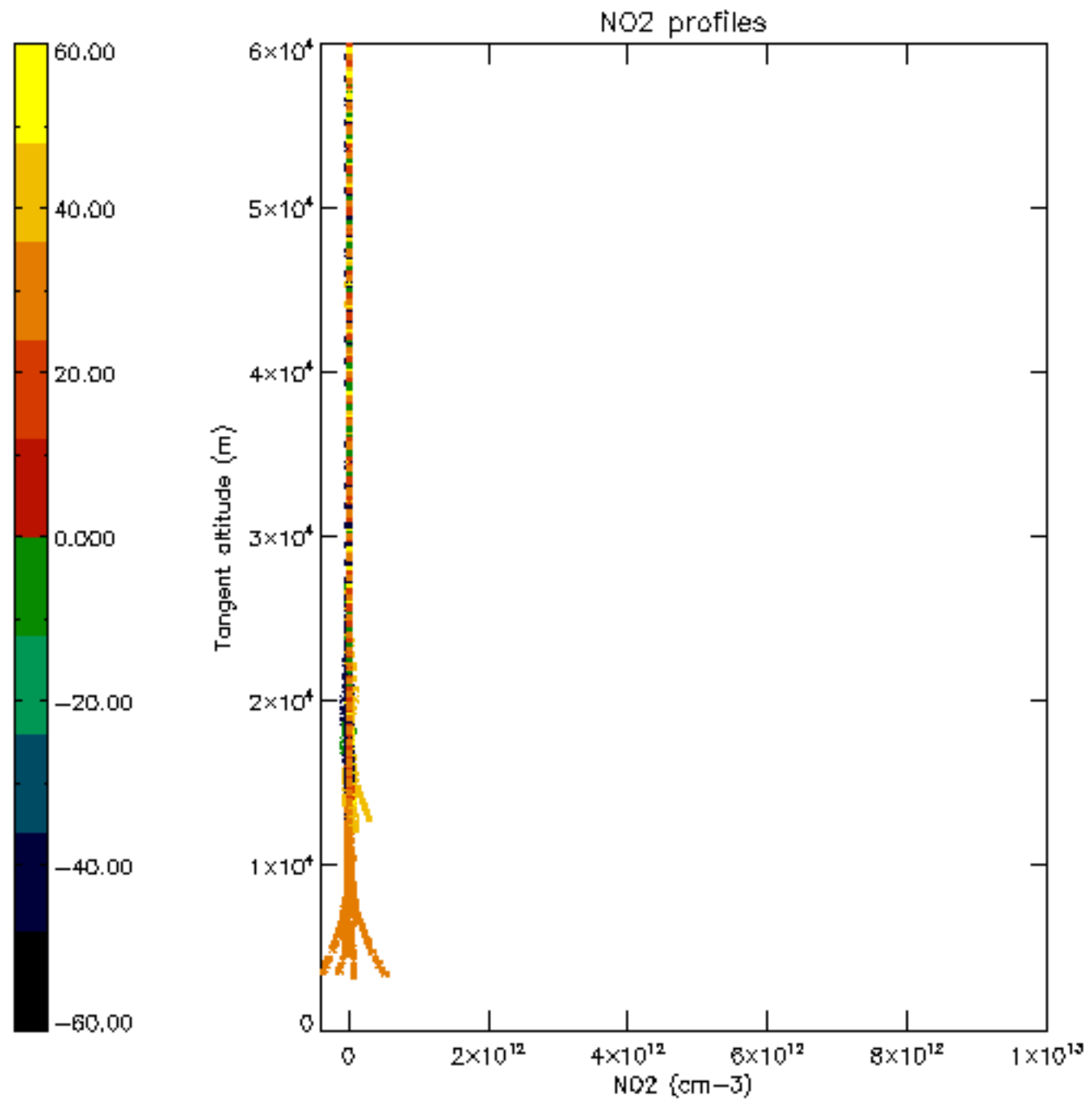


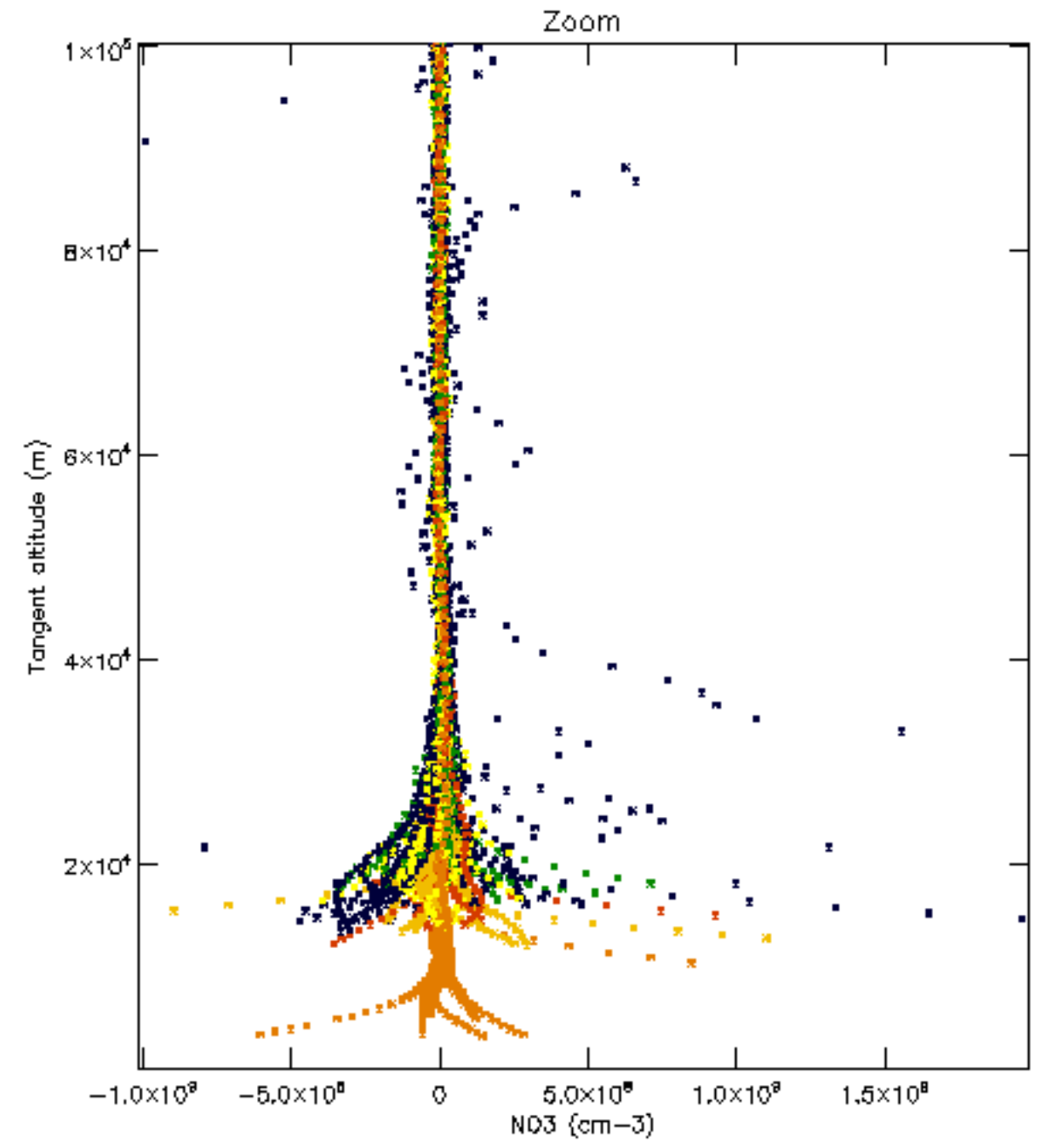
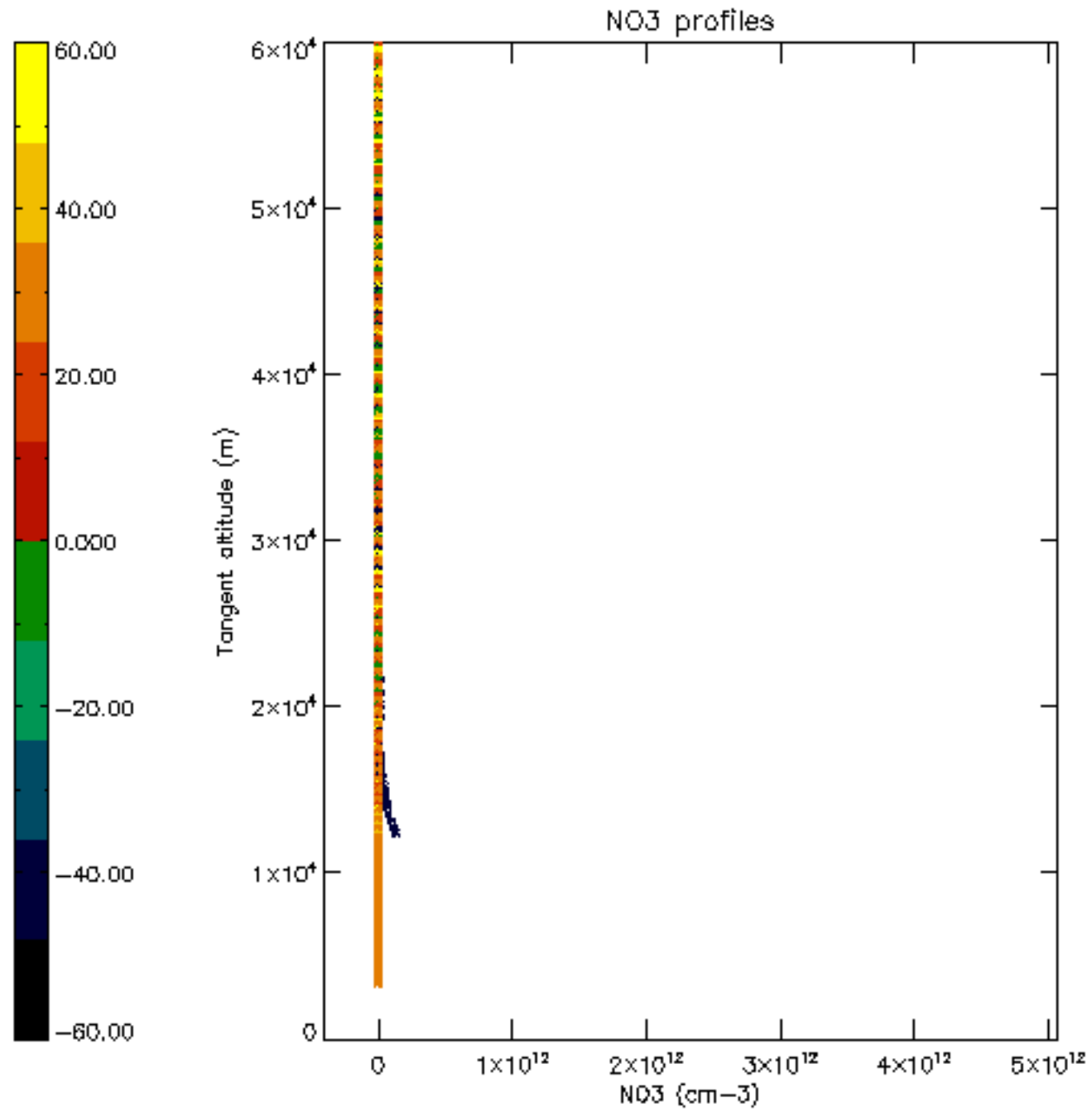


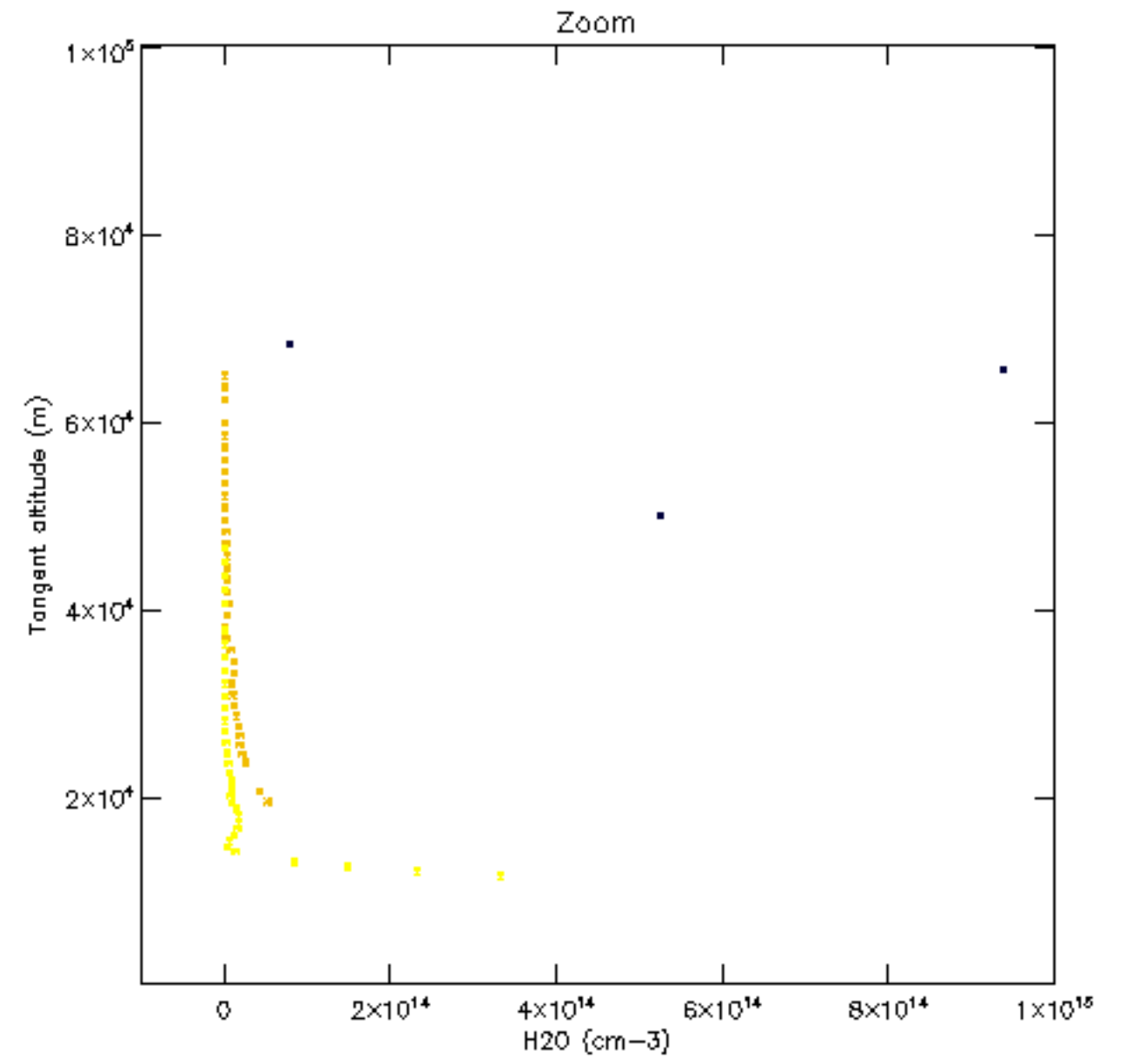
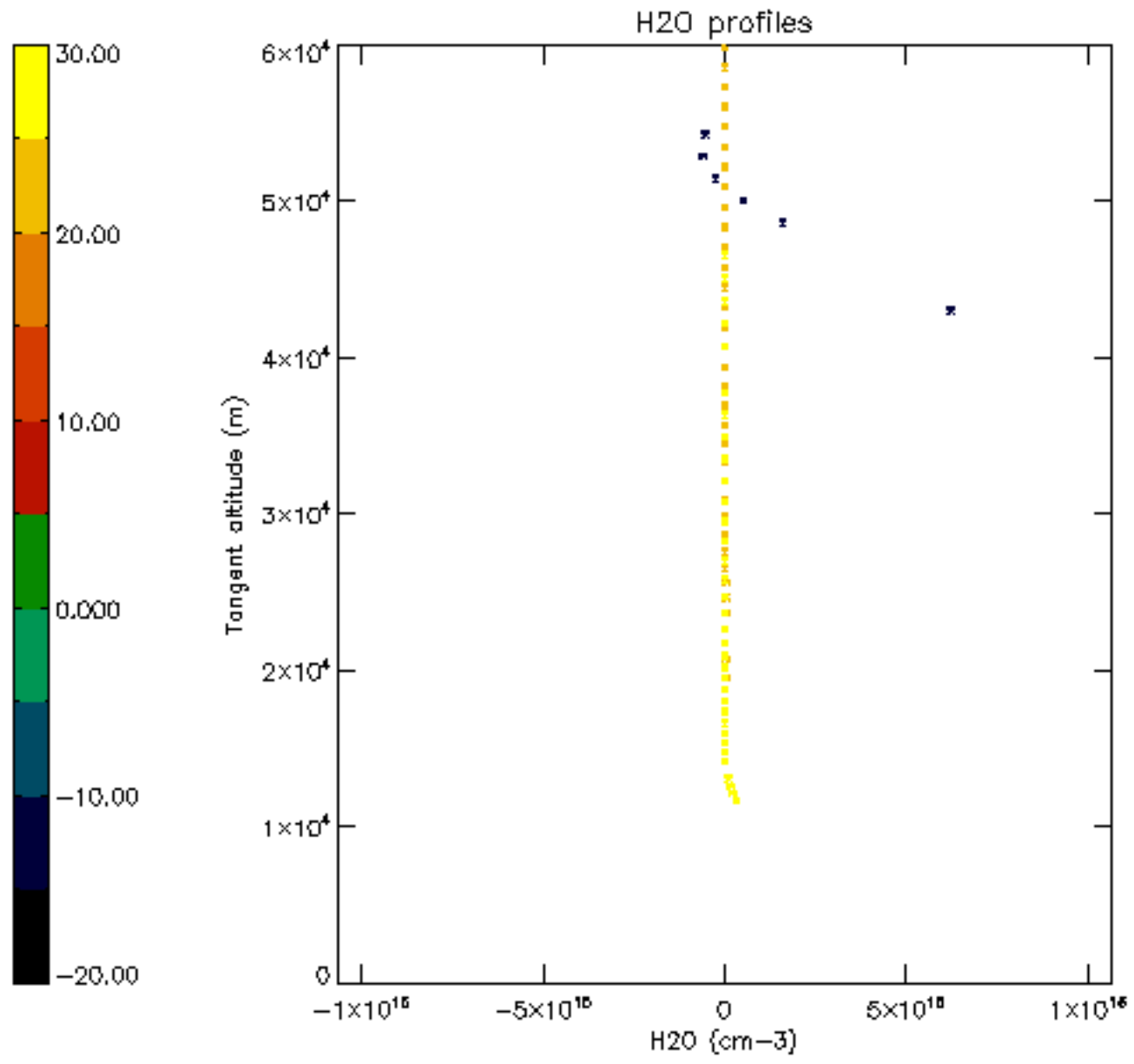


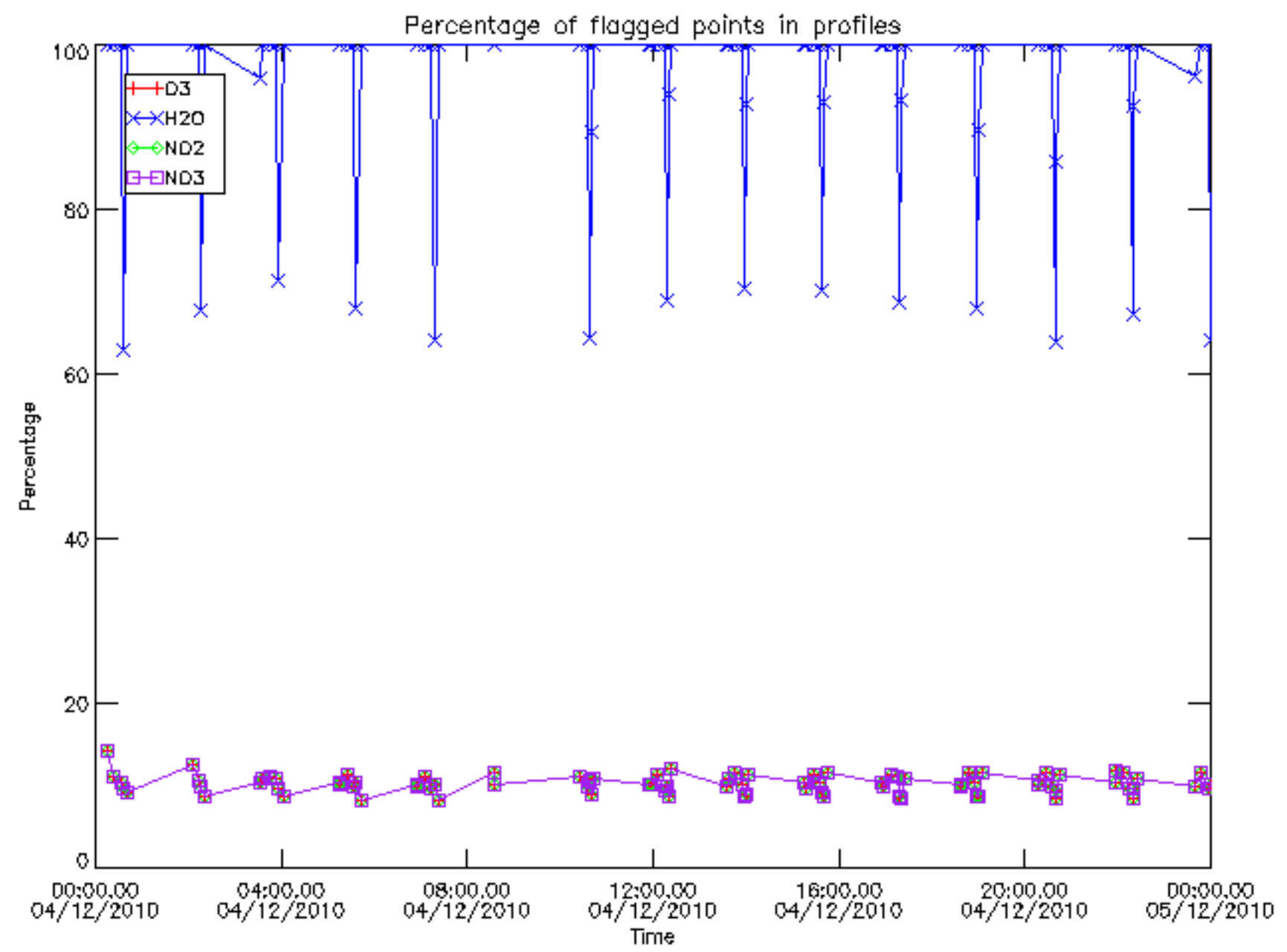




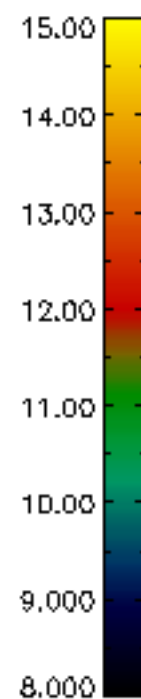
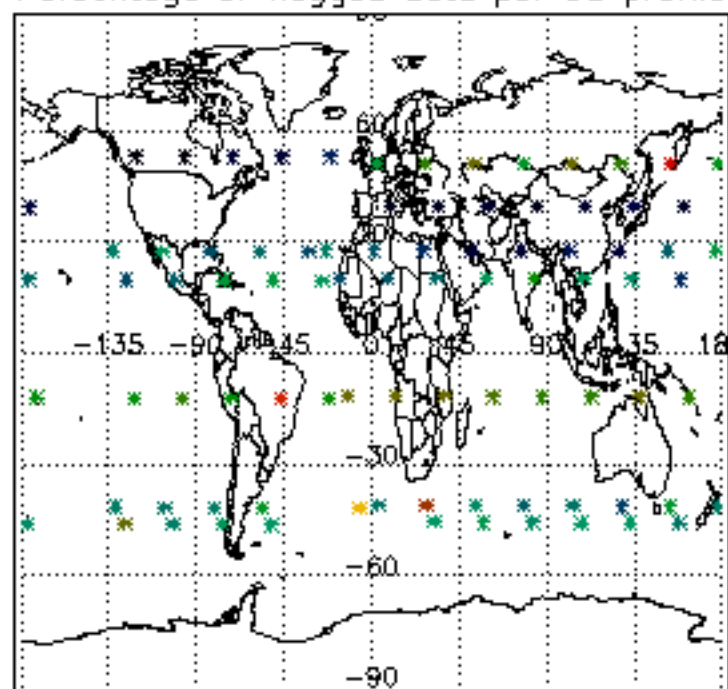




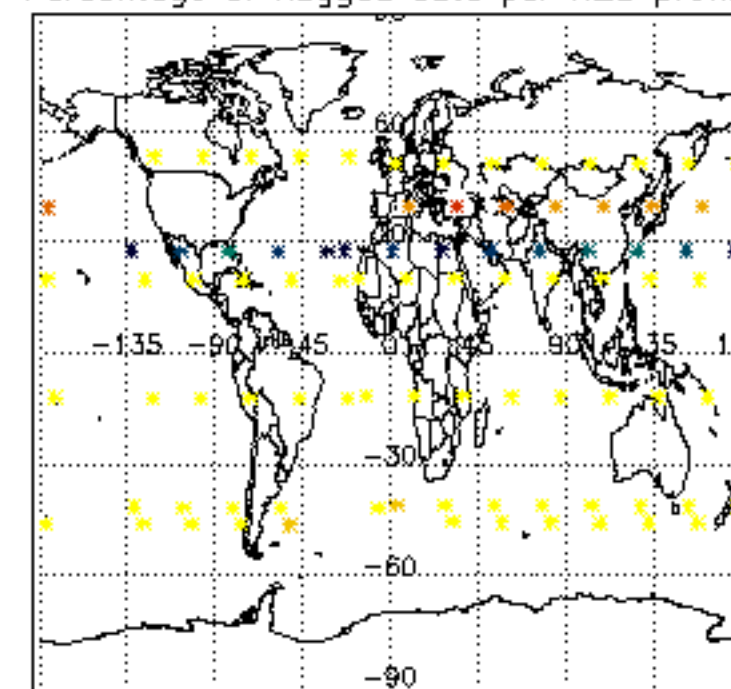




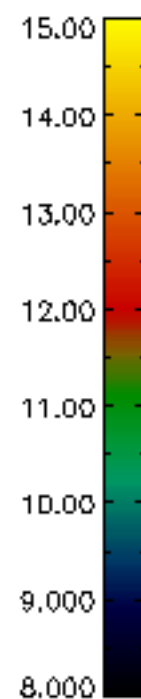
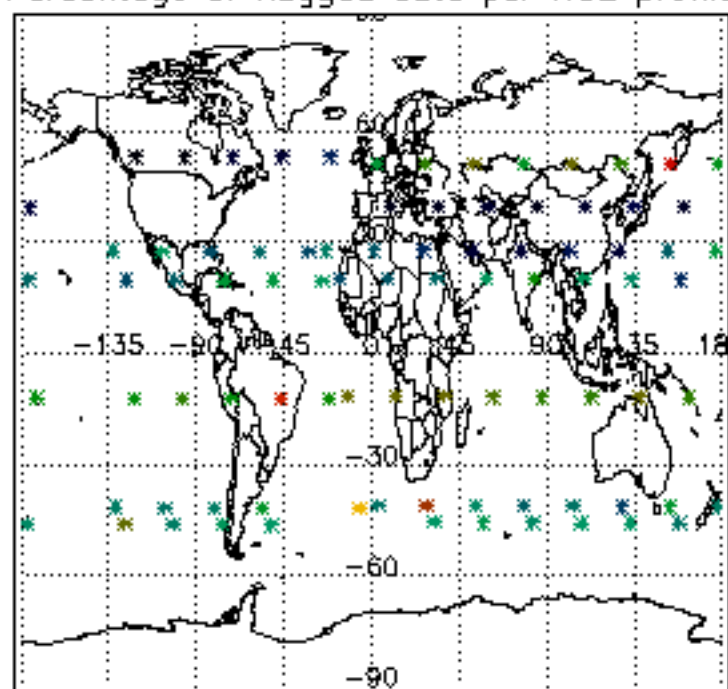
Percentage of flagged data per D3 profile



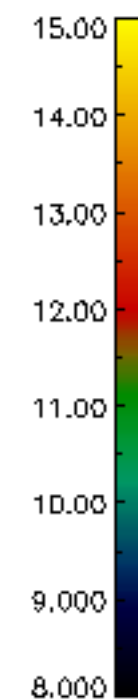
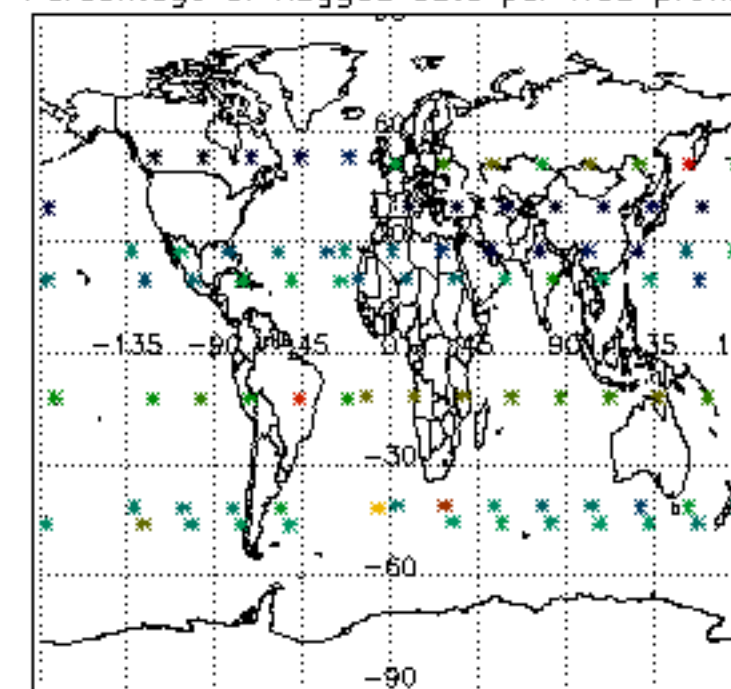
Percentage of flagged data per H2O profile

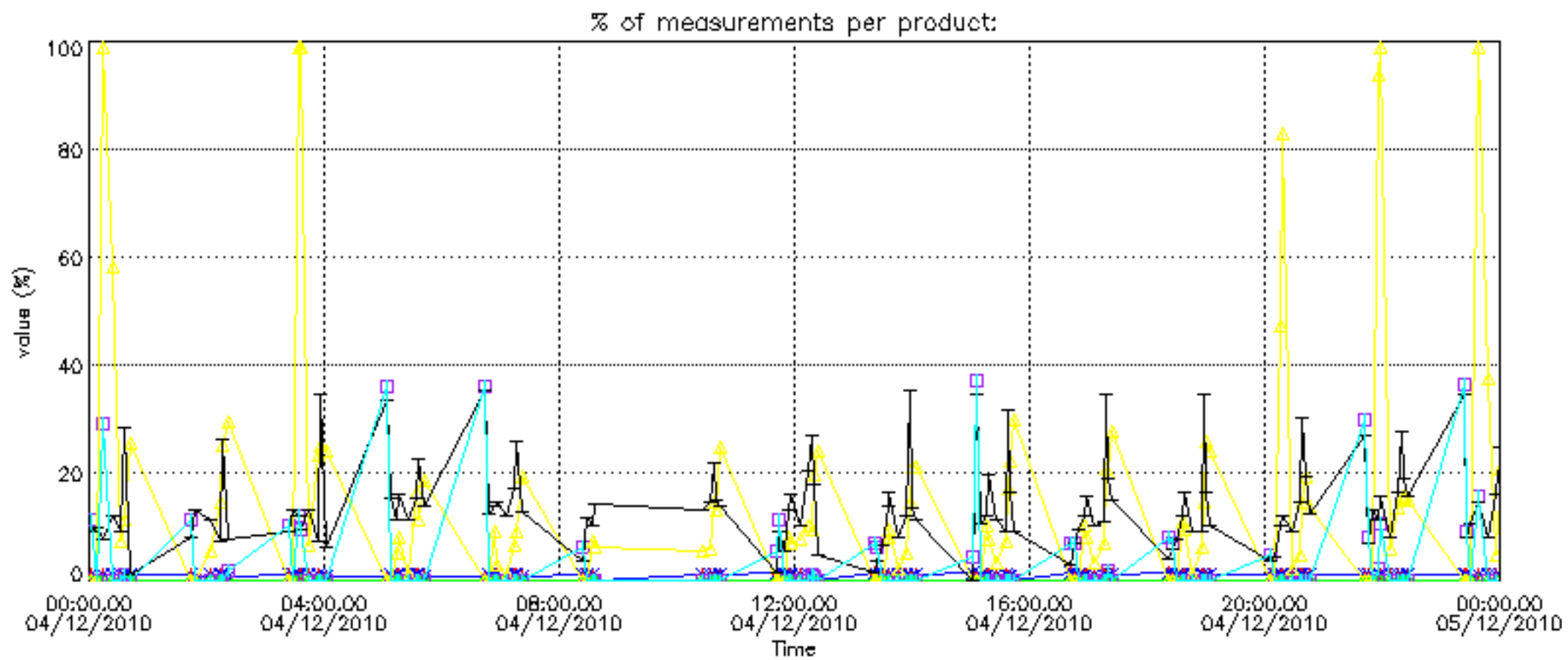


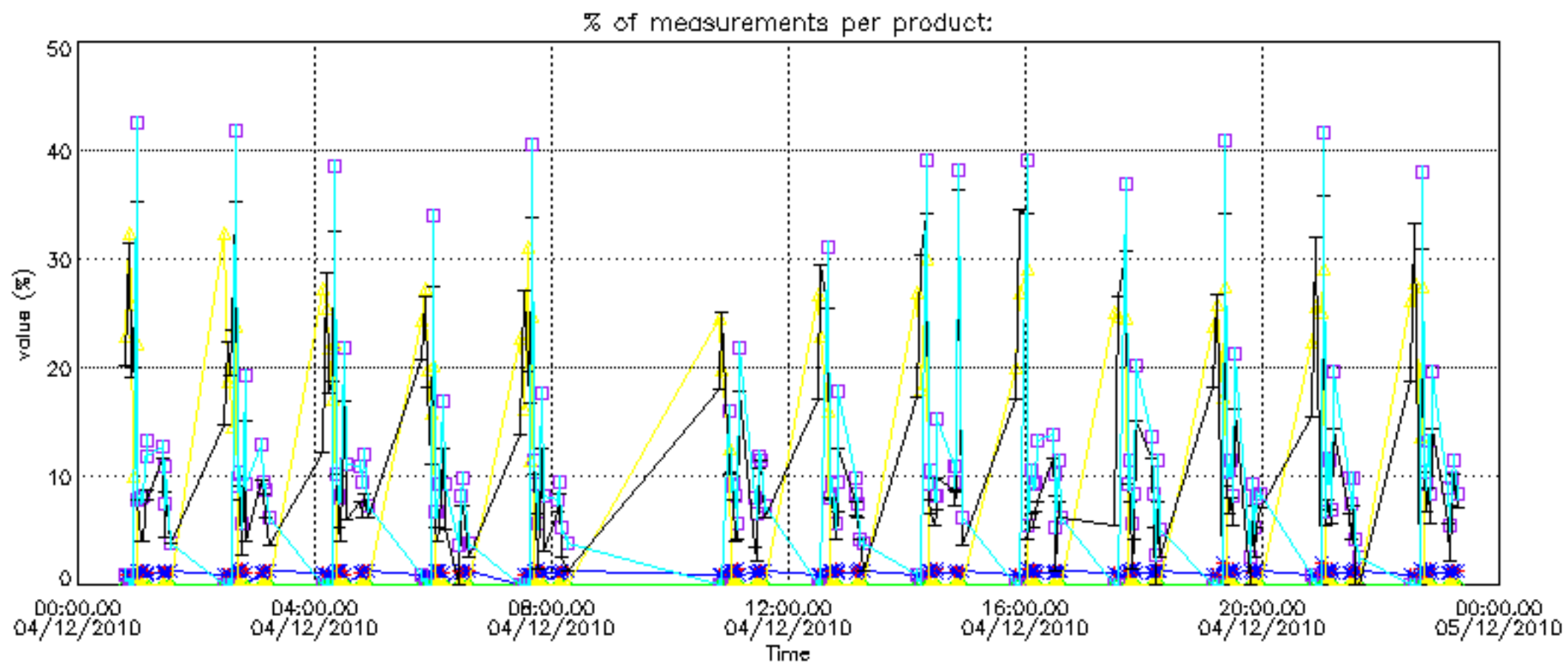
Percentage of flagged data per NO2 profile



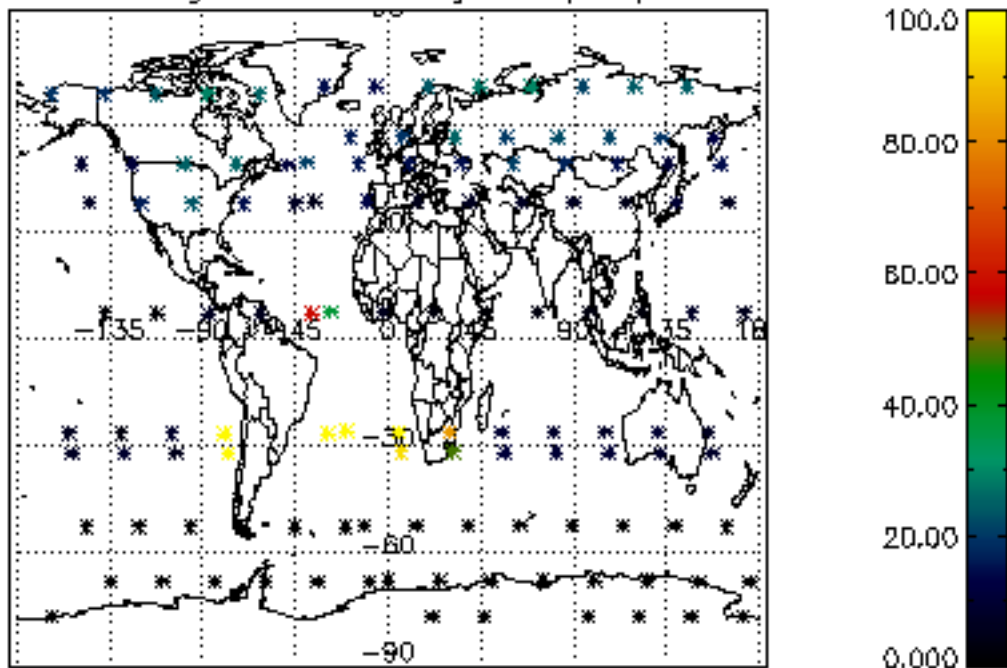
Percentage of flagged data per NO3 profile



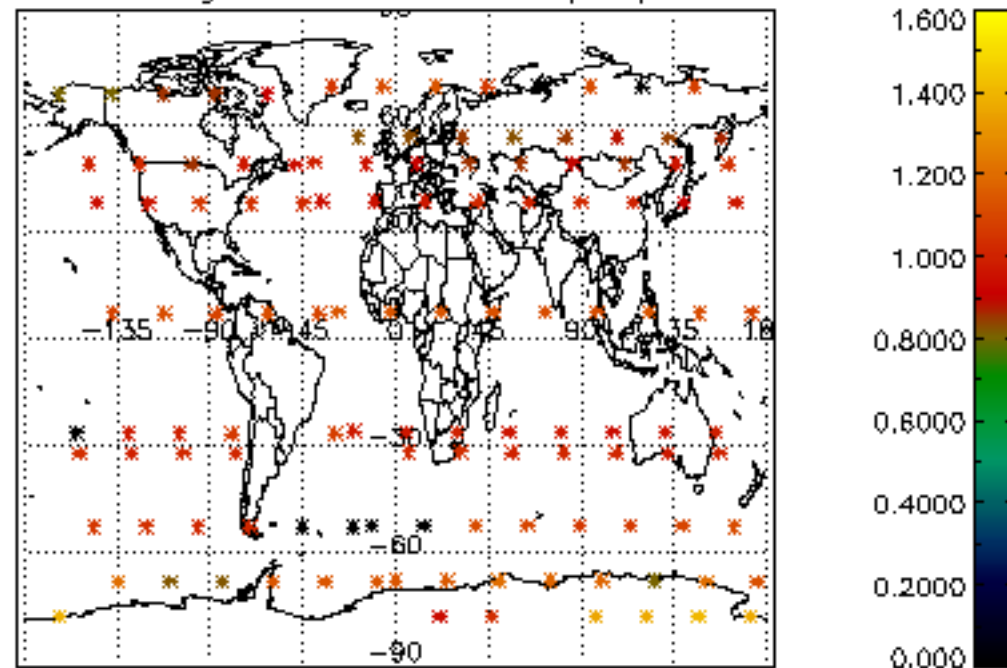




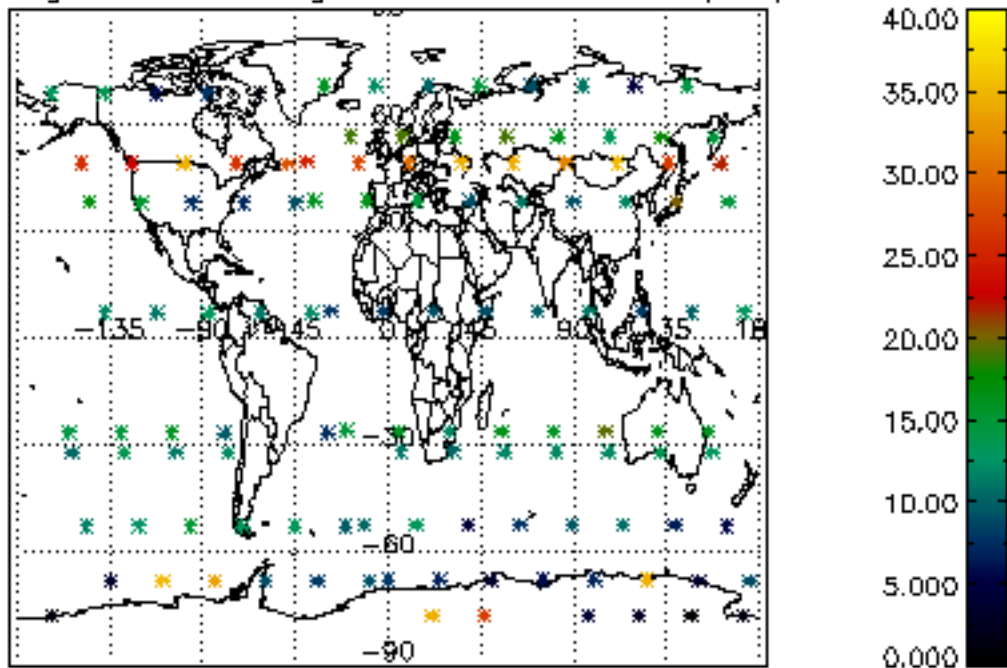
Percentage of cosmic ray hits per profile



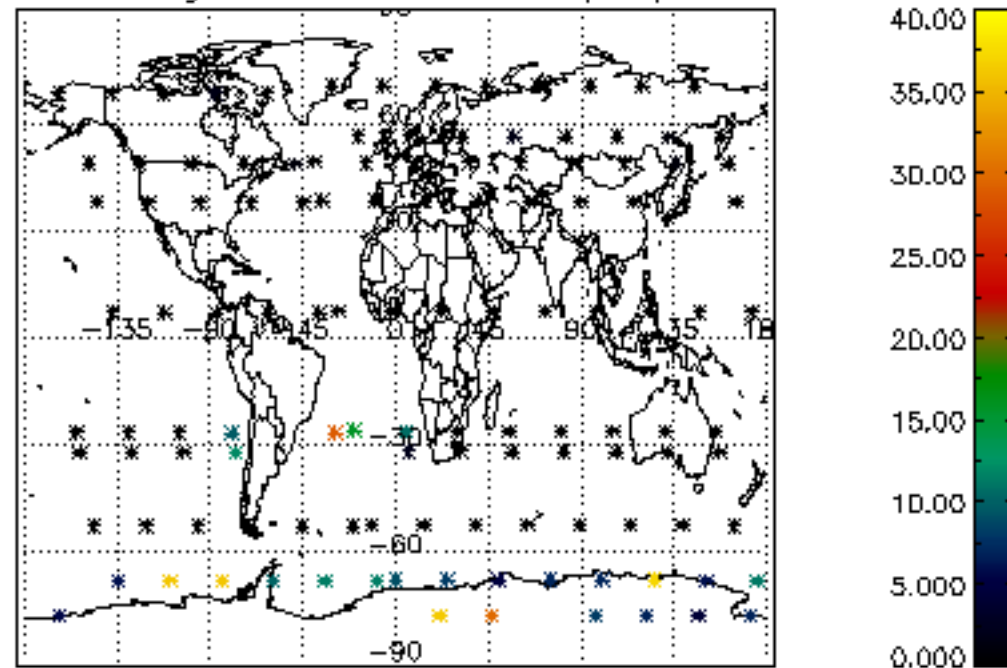
Percentage of datation errors per profile



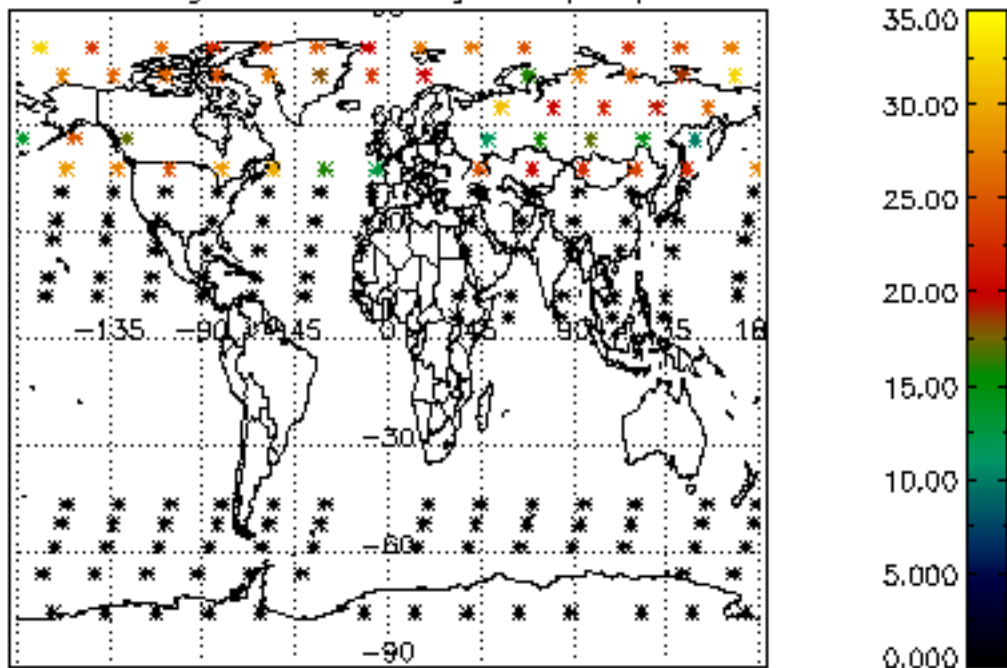
Percentage of star falling outside central band per profile



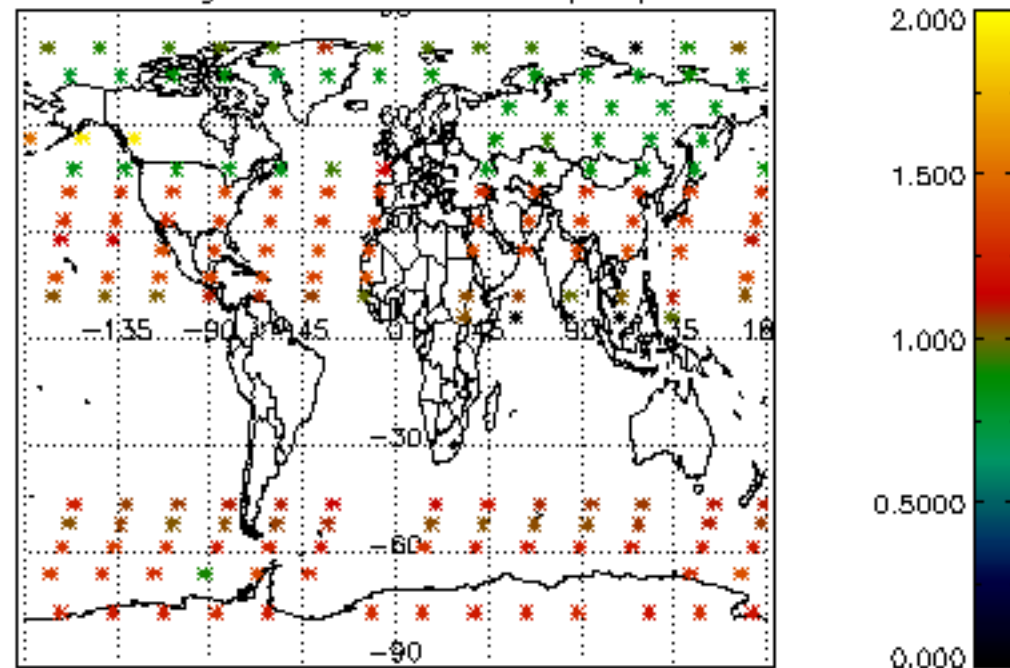
Percentage of saturation errors per profile



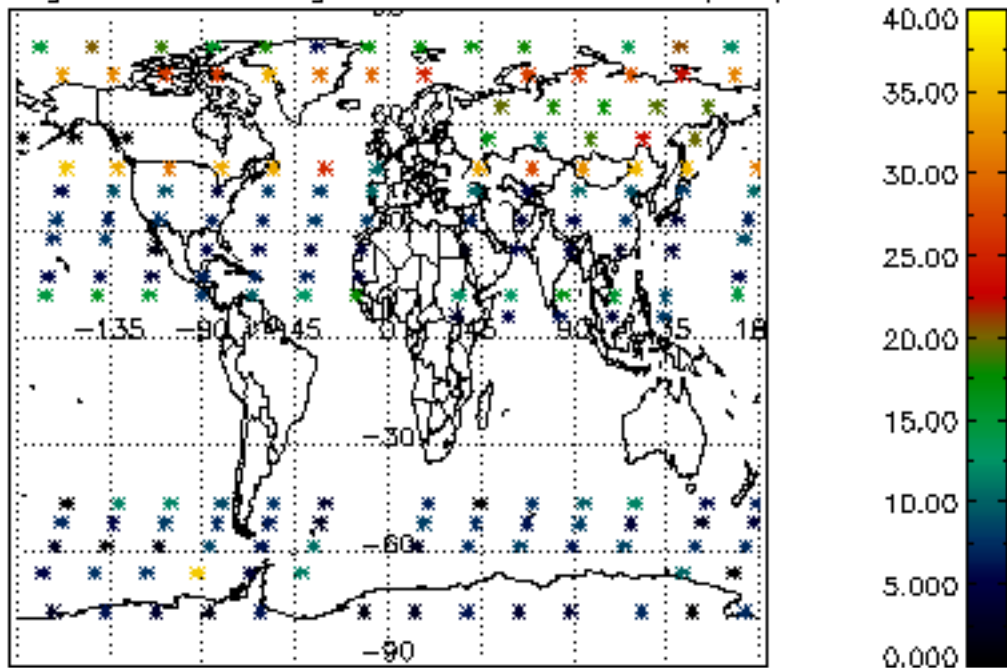
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

