

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 | 22APR2013 21:22:55 |
| Data source version | GOMOS/6.01 |
| Start time of products | 02-07-2007 (02JUL2007 00:00:00) |
| Stop time of products | 03-07-2007 (03JUL2007 00:00:00) |
| Store outputs in DB | Yes |
| Nb of level 2 prods | 238 |
| Nb of prods with errors | 0 |

2. Summary of processed GOM_NL__2P products.

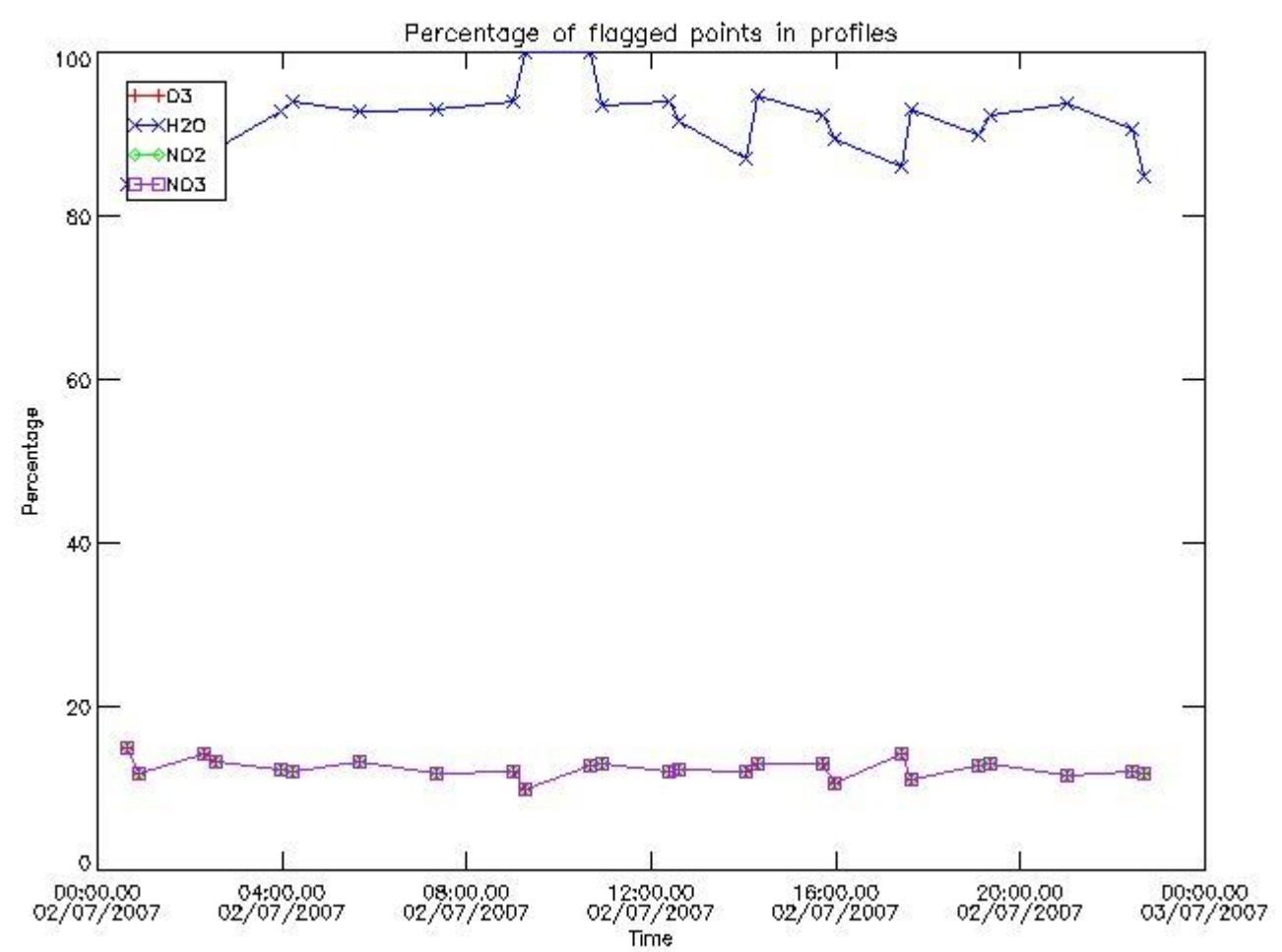
| Nr | Filename | UTC Start time | Limb | Duration | Star Id | Star Name | Star Mag | Star Temp | Nb Meas | Orbit | Prod. error |
|----|--|----------------------|---------------|----------|---------|-----------|----------|-----------|---------|-------|-------------|
| 1 | GOM_NL__2PRFIN20070702_000041_000000362059_00288_27897_5480.N1 | 02-JUL-2007 00:00:41 | Bright | 35.500 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 71 | 27897 | No |
| 2 | GOM_NL__2PRFIN20070702_000441_000000362059_00288_27897_5481.N1 | 02-JUL-2007 00:04:41 | Bright | 36.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 72 | 27897 | No |
| 3 | GOM_NL__2PRFIN20070702_000854_000000332059_00288_27897_5482.N1 | 02-JUL-2007 00:08:54 | Bright | 33.000 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 66 | 27897 | No |
| 4 | GOM_NL__2PRFIN20070702_002019_000000372059_00288_27897_5483.N1 | 02-JUL-2007 00:20:19 | Bright | 37.000 | 35 | 33Alp Per | 1.7950 | 6250.0 | 74 | 27897 | No |
| 5 | GOM_NL__2PRFIN20070702_003812_000000372059_00288_27897_5484.N1 | 02-JUL-2007 00:38:12 | Dark | 37.000 | 165 | 34Gam Eri | 2.9500 | 3200.0 | 74 | 27897 | No |
| 6 | GOM_NL__2PRFIN20070702_005245_000000442059_00289_27898_5478.N1 | 02-JUL-2007 00:52:45 | Dark | 43.500 | 9 | Alp Eri | 0.45300 | 24000. | 87 | 27898 | No |
| 7 | GOM_NL__2PRFIN20070702_010013_000000422059_00289_27898_5479.N1 | 02-JUL-2007 01:00:13 | Straylight | 41.500 | 148 | Alp Tuc | 2.8780 | 4100.0 | 83 | 27898 | No |
| 8 | GOM_NL__2PRFIN20070702_010434_000000442059_00289_27898_5480.N1 | 02-JUL-2007 01:04:34 | Straylight | 43.500 | 45 | Alp Pav | 1.9400 | 26000. | 87 | 27898 | No |
| 9 | GOM_NL__2PRFIN20070702_010949_000000382059_00289_27898_5481.N1 | 02-JUL-2007 01:09:49 | Twi_and_stray | 37.500 | 147 | Alp Ara | 2.8770 | 26000. | 75 | 27898 | No |
| 10 | GOM_NL__2PRFIN20070702_011137_000000412059_00289_27898_5482.N1 | 02-JUL-2007 01:11:37 | Twi_and_stray | 41.000 | 40 | The Sco | 1.8590 | 7100.0 | 82 | 27898 | No |
| 11 | GOM_NL__2PRFIN20070702_011317_000000382059_00289_27898_5483.N1 | 02-JUL-2007 01:13:17 | Twi_and_stray | 37.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 75 | 27898 | No |
| 12 | GOM_NL__2PRFIN20070702_011442_000000472059_00289_27898_5484.N1 | 02-JUL-2007 01:14:42 | Bright | 47.000 | 116 | 19Del Sgr | 2.7000 | 4100.0 | 94 | 27898 | No |
| 13 | GOM_NL__2PRFIN20070702_011928_000000372059_00289_27898_5485.N1 | 02-JUL-2007 01:19:28 | Bright | 37.000 | 86 | 35Eta Oph | 2.4300 | 10200. | 74 | 27898 | No |
| 14 | GOM_NL__2PRFIN20070702_012506_000000362059_00289_27898_5486.N1 | 02-JUL-2007 01:25:06 | Bright | 36.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 72 | 27898 | No |
| 15 | GOM_NL__2PRFIN20070702_012726_000000382059_00289_27898_5487.N1 | 02-JUL-2007 01:27:26 | Bright | 38.000 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 76 | 27898 | No |
| 16 | GOM_NL__2PRFIN20070702_013009_000000352059_00289_27898_5488.N1 | 02-JUL-2007 01:30:09 | Bright | 34.500 | 127 | 27Bet Her | 2.7810 | 4700.0 | 69 | 27898 | No |
| 17 | GOM_NL__2PRFIN20070702_013253_000000352059_00289_27898_5489.N1 | 02-JUL-2007 01:32:53 | Bright | 35.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 70 | 27898 | No |
| 18 | GOM_NL__2PRFIN20070702_013852_000000352059_00289_27898_5490.N1 | 02-JUL-2007 01:38:52 | Bright | 35.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 70 | 27898 | No |
| 19 | GOM_NL__2PRFIN20070702_014117_000000372059_00289_27898_5491.N1 | 02-JUL-2007 01:41:17 | Bright | 36.500 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 73 | 27898 | No |
| 20 | GOM_NL__2PRFIN20070702_014517_000000372059_00289_27898_5492.N1 | 02-JUL-2007 01:45:17 | Bright | 37.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 74 | 27898 | No |
| 21 | GOM_NL__2PRFIN20070702_014930_000000352059_00289_27898_5493.N1 | 02-JUL-2007 01:49:30 | Bright | 34.500 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 69 | 27898 | No |
| 22 | GOM_NL__2PRFIN20070702_020055_000000432059_00289_27898_5494.N1 | 02-JUL-2007 02:00:55 | Bright | 43.000 | 35 | 33Alp Per | 1.7950 | 6250.0 | 86 | 27898 | No |
| 23 | GOM_NL__2PRFIN20070702_021848_000000402059_00289_27898_5495.N1 | 02-JUL-2007 02:18:48 | Dark | 39.500 | 165 | 34Gam Eri | 2.9500 | 3200.0 | 79 | 27898 | No |
| 24 | GOM_NL__2PRFIN20070702_023321_000000432059_00290_27899_5498.N1 | 02-JUL-2007 02:33:21 | Dark | 42.500 | 9 | Alp Eri | 0.45300 | 24000. | 85 | 27899 | No |
| 25 | GOM_NL__2PRFIN20070702_024049_000000452059_00290_27899_5499.N1 | 02-JUL-2007 02:40:49 | Straylight | 45.000 | 148 | Alp Tuc | 2.8780 | 4100.0 | 90 | 27899 | No |
| 26 | GOM_NL__2PRFIN20070702_024510_000000432059_00290_27899_5500.N1 | 02-JUL-2007 02:45:10 | Straylight | 42.500 | 45 | Alp Pav | 1.9400 | 26000. | 85 | 27899 | No |
| 27 | GOM_NL__2PRFIN20070702_025025_000000362059_00290_27899_5501.N1 | 02-JUL-2007 02:50:25 | Twi_and_stray | 36.000 | 147 | Alp Ara | 2.8770 | 26000. | 72 | 27899 | No |
| 28 | GOM_NL__2PRFIN20070702_025213_000000412059_00290_27899_5502.N1 | 02-JUL-2007 02:52:13 | Twi_and_stray | 41.000 | 40 | The Sco | 1.8590 | 7100.0 | 82 | 27899 | No |
| 29 | GOM_NL__2PRFIN20070702_025353_000000402059_00290_27899_5503.N1 | 02-JUL-2007 02:53:53 | Twi_and_stray | 40.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 80 | 27899 | No |
| 30 | GOM_NL__2PRFIN20070702_025518_000000472059_00290_27899_5504.N1 | 02-JUL-2007 02:55:18 | Bright | 47.000 | 116 | 19Del Sgr | 2.7000 | 4100.0 | 94 | 27899 | No |
| 31 | GOM_NL__2PRFIN20070702_030005_000000372059_00290_27899_5505.N1 | 02-JUL-2007 03:00:05 | Bright | 36.500 | 86 | 35Eta Oph | 2.4300 | 10200. | 73 | 27899 | No |
| 32 | GOM_NL__2PRFIN20070702_030542_000000372059_00290_27899_5506.N1 | 02-JUL-2007 03:05:42 | Bright | 36.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 73 | 27899 | No |
| 33 | GOM_NL__2PRFIN20070702_030802_000000382059_00290_27899_5507.N1 | 02-JUL-2007 03:08:02 | Bright | 37.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 75 | 27899 | No |
| 34 | GOM_NL__2PRFIN20070702_031045_000000372059_00290_27899_5508.N1 | 02-JUL-2007 03:10:45 | Bright | 37.000 | 127 | 27Bet Her | 2.7810 | 4700.0 | 74 | 27899 | No |
| 35 | GOM_NL__2PRFIN20070702_031329_000000362059_00290_27899_5509.N1 | 02-JUL-2007 03:13:29 | Bright | 36.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 72 | 27899 | No |
| 36 | GOM_NL__2PRFIN20070702_031928_000000352059_00290_27899_5510.N1 | 02-JUL-2007 03:19:28 | Bright | 35.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 70 | 27899 | No |
| 37 | GOM_NL__2PRFIN20070702_032153_000000332059_00290_27899_5511.N1 | 02-JUL-2007 03:21:53 | Bright | 33.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 66 | 27899 | No |
| 38 | GOM_NL__2PRFIN20070702_032553_000000332059_00290_27899_5512.N1 | 02-JUL-2007 03:25:53 | Bright | 33.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 66 | 27899 | No |
| 39 | GOM_NL__2PRFIN20070702_033006_000000352059_00290_27899_5513.N1 | 02-JUL-2007 03:30:06 | Bright | 35.000 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 70 | 27899 | No |
| 40 | GOM_NL__2PRFIN20070702_034131_000000432059_00290_27899_5514.N1 | 02-JUL-2007 03:41:31 | Bright | 43.000 | 35 | 33Alp Per | 1.7950 | 6250.0 | 86 | 27899 | No |
| 41 | GOM_NL__2PRFIN20070702_035924_000000422059_00290_27899_5515.N1 | 02-JUL-2007 03:59:24 | Dark | 41.500 | 165 | 34Gam Eri | 2.9500 | 3200.0 | 83 | 27899 | No |
| 42 | GOM_NL__2PRFIN20070702_041358_000000432059_00291_27900_5512.N1 | 02-JUL-2007 04:13:58 | Dark | 42.500 | 9 | Alp Eri | 0.45300 | 24000. | 85 | 27900 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|----------------|--------|-----|-----------|---------|--------|----|-------|----|
| 220 | GOM_NL__2PRFIN20070702_221538_000000412059_00301_27910_6037.N1 | 02-JUL-2007 22:15:38 | Twilight | 40.500 | 146 | 25Eta Tau | 2.8730 | 15200. | 81 | 27910 | No |
| 221 | GOM_NL__2PRFIN20070702_222602_000000422059_00301_27910_6038.N1 | 02-JUL-2007 22:26:02 | Dark | 42.000 | 165 | 34Gam Eri | 2.9500 | 3200.0 | 84 | 27910 | No |
| 222 | GOM_NL__2PRFIN20070702_224038_000000432059_00302_27911_6036.N1 | 02-JUL-2007 22:40:38 | Dark | 43.000 | 9 | Alp Eri | 0.45300 | 24000. | 86 | 27911 | No |
| 223 | GOM_NL__2PRFIN20070702_224808_000000432059_00302_27911_6037.N1 | 02-JUL-2007 22:48:08 | Straylight | 42.500 | 148 | Alp Tuc | 2.8780 | 4100.0 | 85 | 27911 | No |
| 224 | GOM_NL__2PRFIN20070702_225227_000000402059_00302_27911_6038.N1 | 02-JUL-2007 22:52:27 | Straylight | 39.500 | 45 | Alp Pav | 1.9400 | 26000. | 79 | 27911 | No |
| 225 | GOM_NL__2PRFIN20070702_225927_000000402059_00302_27911_6039.N1 | 02-JUL-2007 22:59:27 | Tw_i_and_stray | 39.500 | 40 | The Sco | 1.8590 | 7100.0 | 79 | 27911 | No |
| 226 | GOM_NL__2PRFIN20070702_230107_000000402059_00302_27911_6040.N1 | 02-JUL-2007 23:01:07 | Tw_i_and_stray | 40.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 80 | 27911 | No |
| 227 | GOM_NL__2PRFIN20070702_230232_000000492059_00302_27911_6041.N1 | 02-JUL-2007 23:02:32 | Bright | 49.000 | 116 | 19Del Sgr | 2.7000 | 4100.0 | 98 | 27911 | No |
| 228 | GOM_NL__2PRFIN20070702_230718_000000362059_00302_27911_6042.N1 | 02-JUL-2007 23:07:18 | Bright | 35.500 | 86 | 35Eta Oph | 2.4300 | 10200. | 71 | 27911 | No |
| 229 | GOM_NL__2PRFIN20070702_231253_000000372059_00302_27911_6043.N1 | 02-JUL-2007 23:12:53 | Bright | 36.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 73 | 27911 | No |
| 230 | GOM_NL__2PRFIN20070702_231513_000000362059_00302_27911_6044.N1 | 02-JUL-2007 23:15:13 | Bright | 36.000 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 72 | 27911 | No |
| 231 | GOM_NL__2PRFIN20070702_231758_000000372059_00302_27911_6045.N1 | 02-JUL-2007 23:17:58 | Bright | 36.500 | 127 | 27Bet Her | 2.7810 | 4700.0 | 73 | 27911 | No |
| 232 | GOM_NL__2PRFIN20070702_232041_000000332059_00302_27911_6046.N1 | 02-JUL-2007 23:20:41 | Bright | 33.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 66 | 27911 | No |
| 233 | GOM_NL__2PRFIN20070702_232637_000000382059_00302_27911_6047.N1 | 02-JUL-2007 23:26:37 | Bright | 37.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 75 | 27911 | No |
| 234 | GOM_NL__2PRFIN20070702_232905_000000372059_00302_27911_6048.N1 | 02-JUL-2007 23:29:05 | Bright | 36.500 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 73 | 27911 | No |
| 235 | GOM_NL__2PRFIN20070702_233306_000000362059_00302_27911_6049.N1 | 02-JUL-2007 23:33:06 | Bright | 36.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 72 | 27911 | No |
| 236 | GOM_NL__2PRFIN20070702_233717_000000332059_00302_27911_6050.N1 | 02-JUL-2007 23:37:17 | Bright | 32.500 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 65 | 27911 | No |
| 237 | GOM_NL__2PRFIN20070702_234842_000000402059_00302_27911_6051.N1 | 02-JUL-2007 23:48:42 | Bright | 40.000 | 35 | 33Alp Per | 1.7950 | 6250.0 | 80 | 27911 | No |
| 238 | GOM_NL__2PRFIN20070702_235615_000000382059_00302_27911_6052.N1 | 02-JUL-2007 23:56:15 | Twilight | 38.000 | 146 | 25Eta Tau | 2.8730 | 15200. | 76 | 27911 | No |

3. Quality information per product

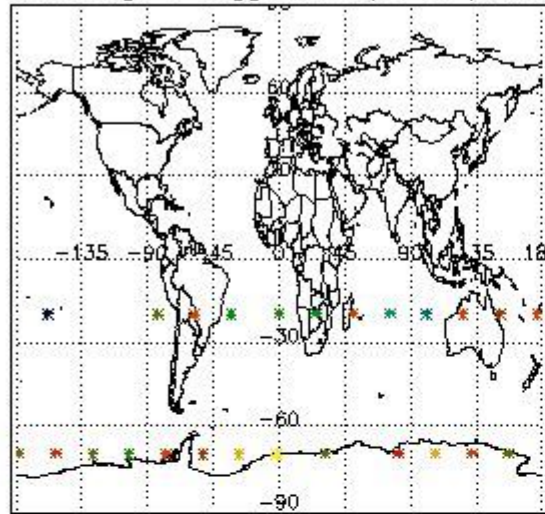
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

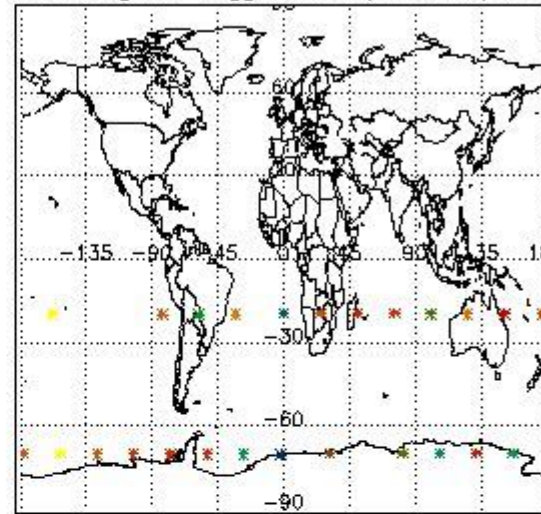


3.2 Plot quality information per product (world map)

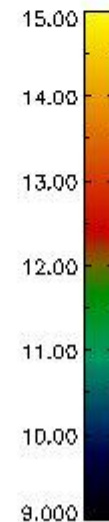
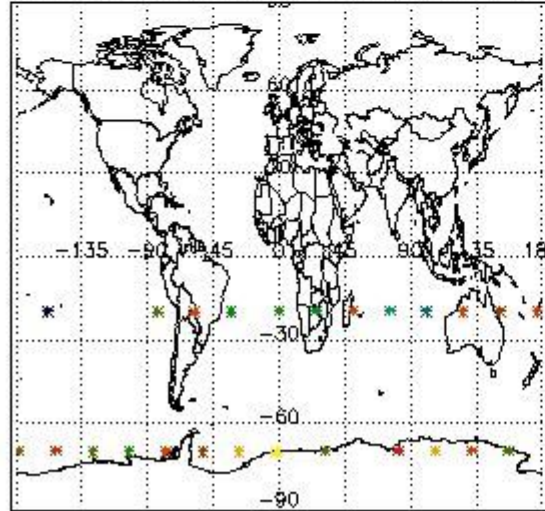
Percentage of flagged data per O3 profile



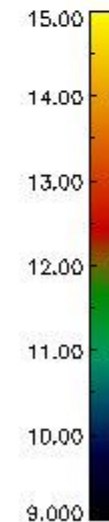
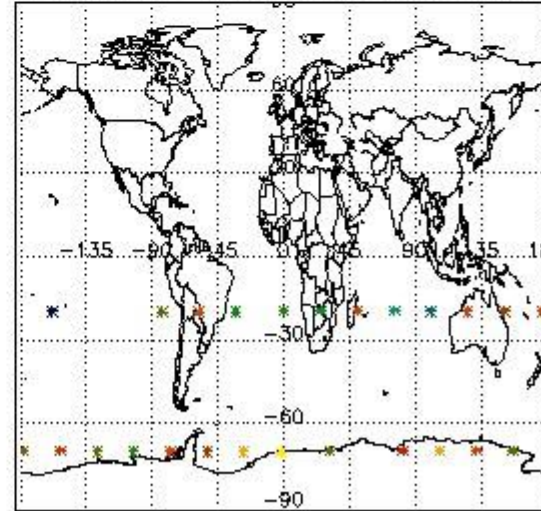
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

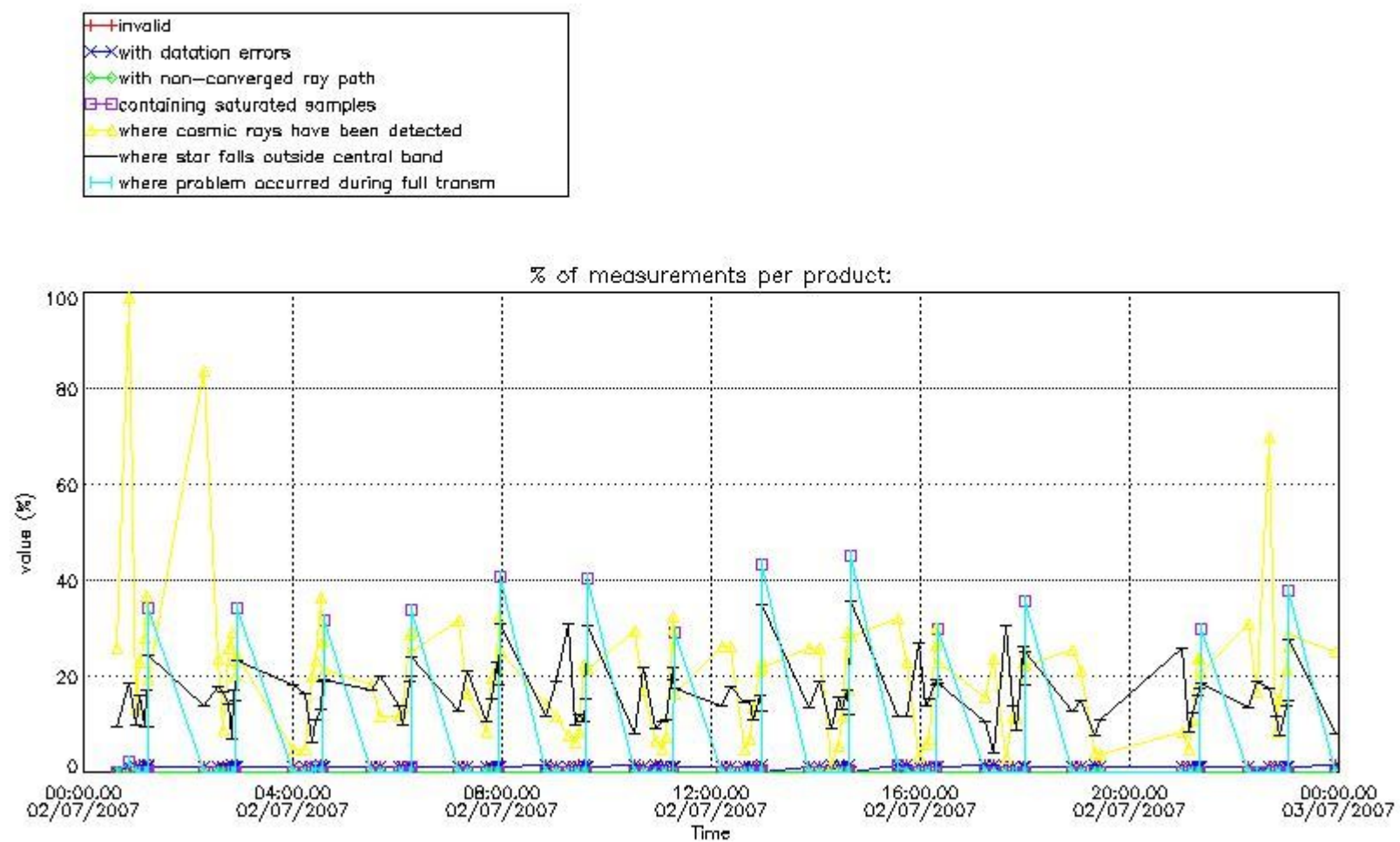


4. Level 1 quality information per product

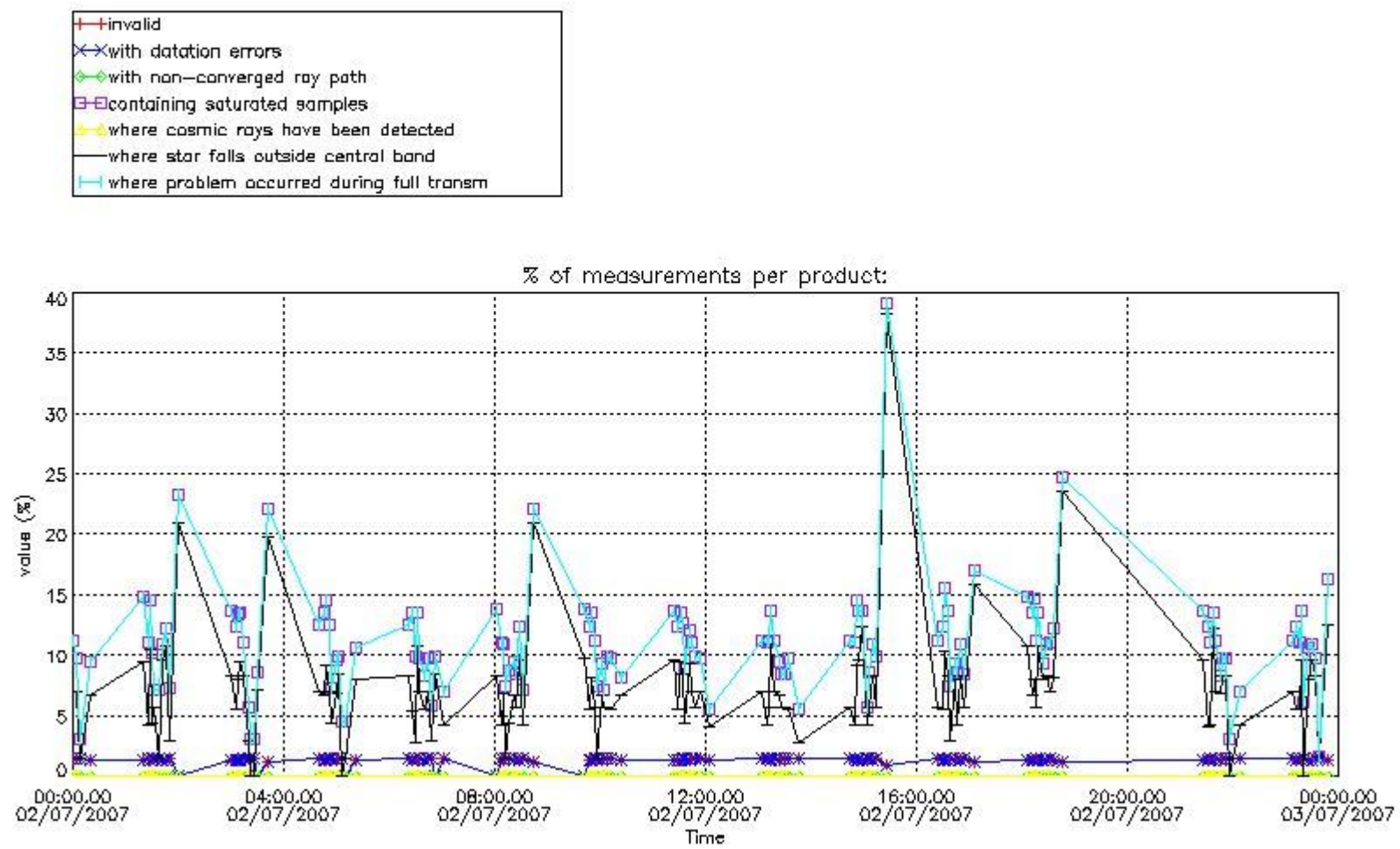
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

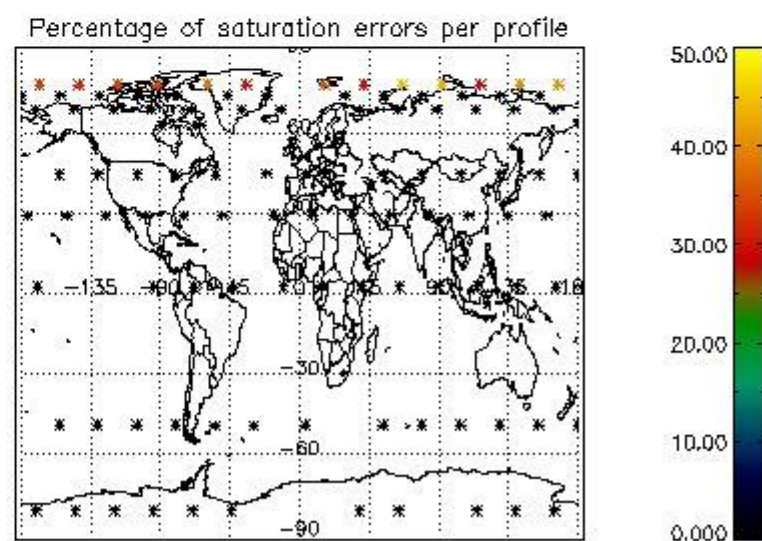
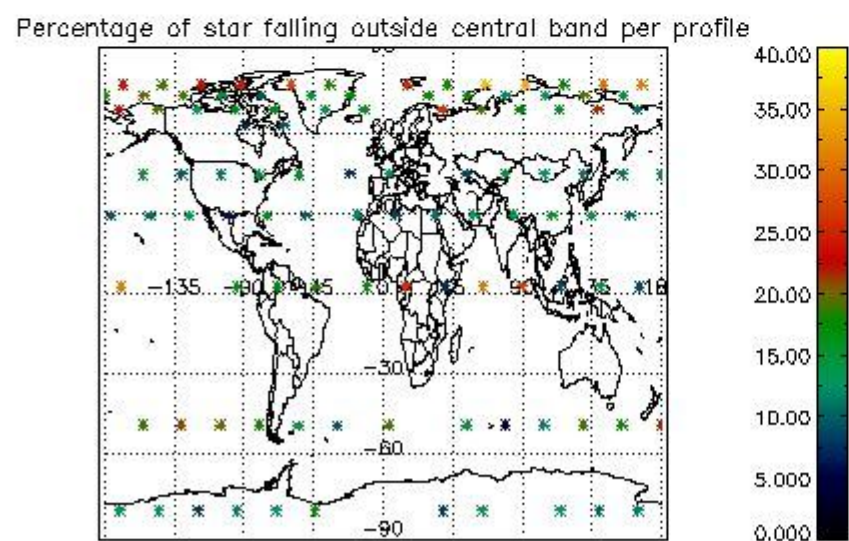
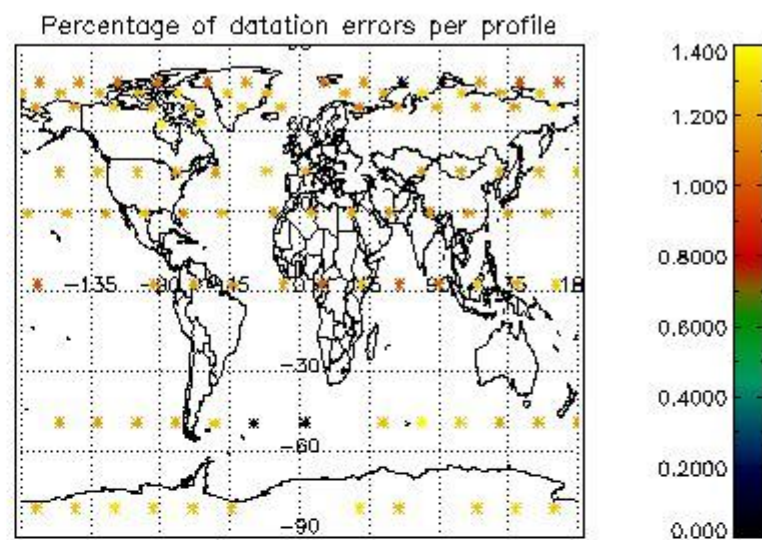
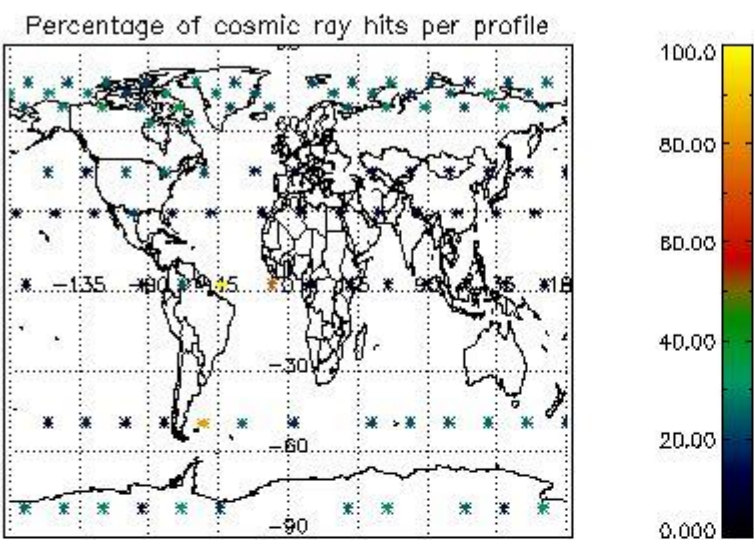


4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes

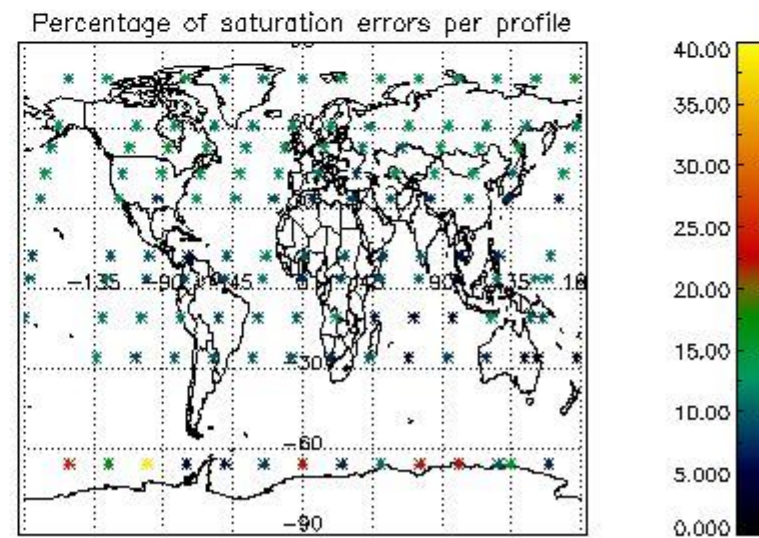
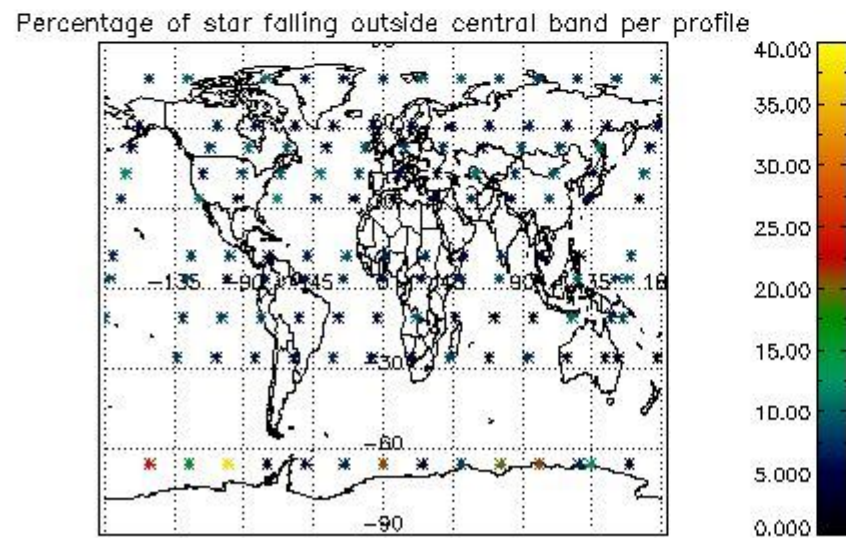
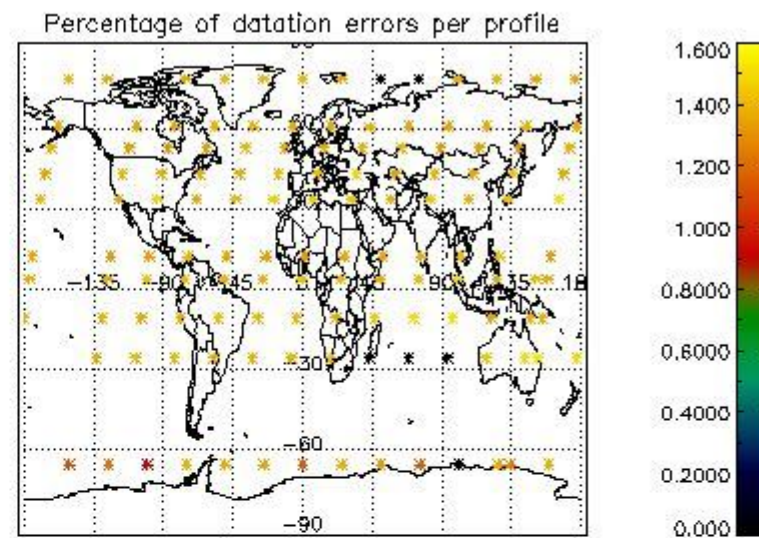
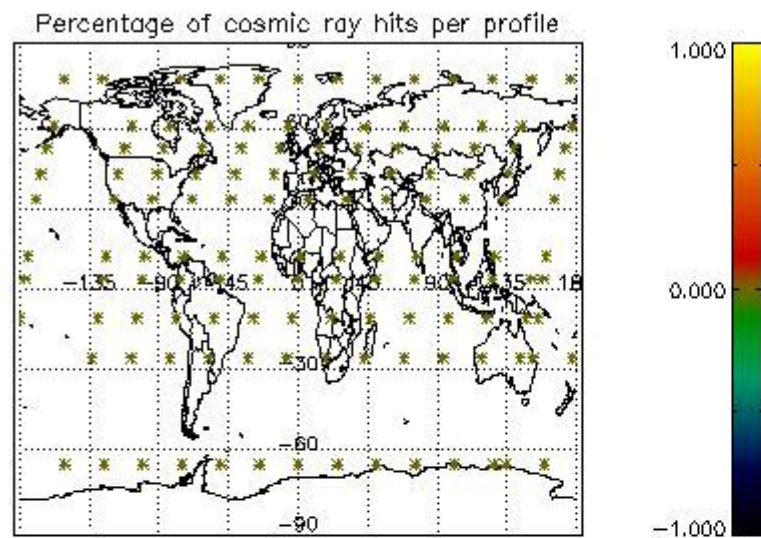


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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

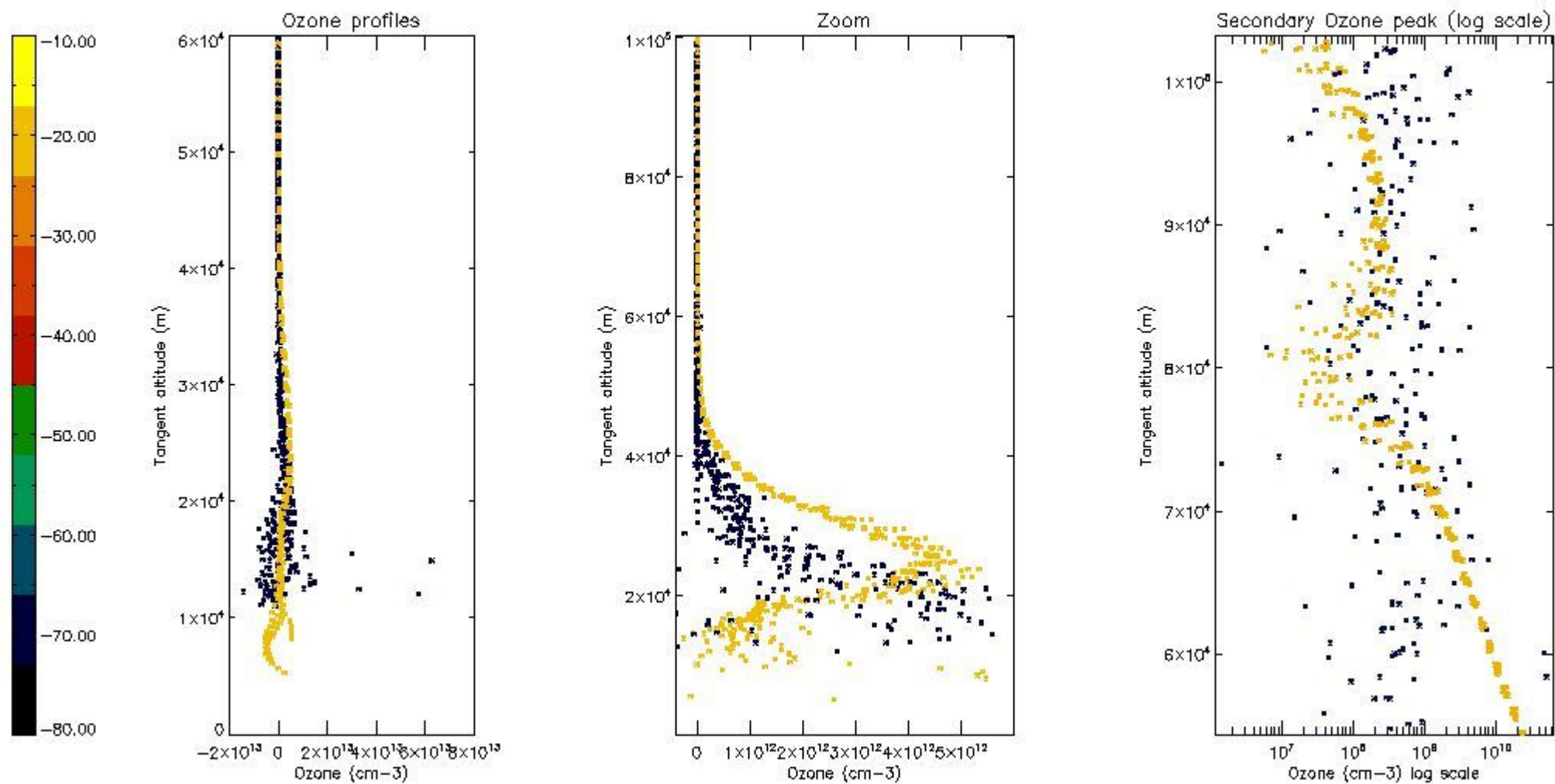
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

| Criteria | % of total production |
|----------|-----------------------|
| All STD | 12 |
| STD < 20 | 5 |

| | |
|----------|---|
| STD < 10 | 4 |
| STD < 5 | 3 |

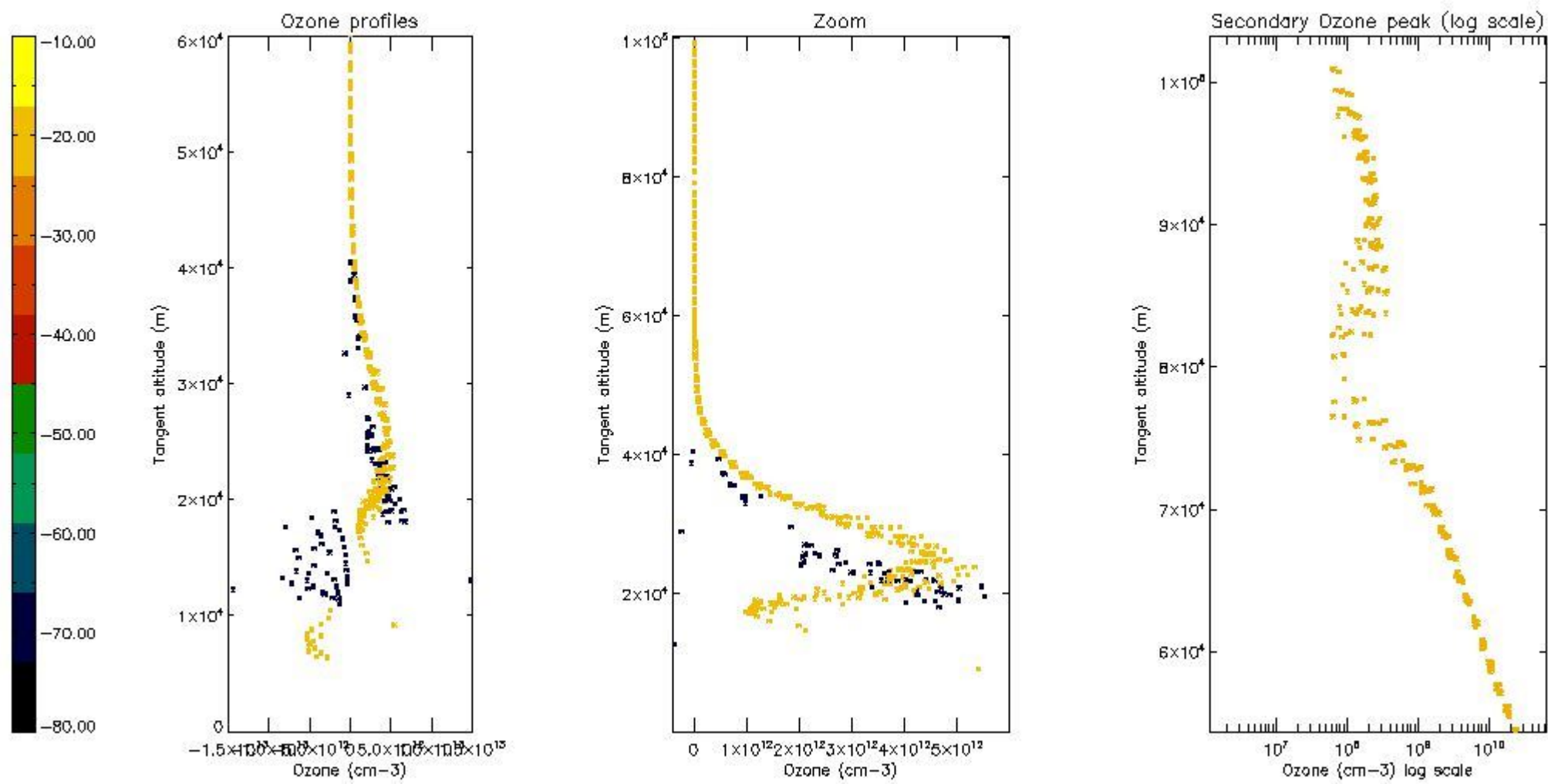
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



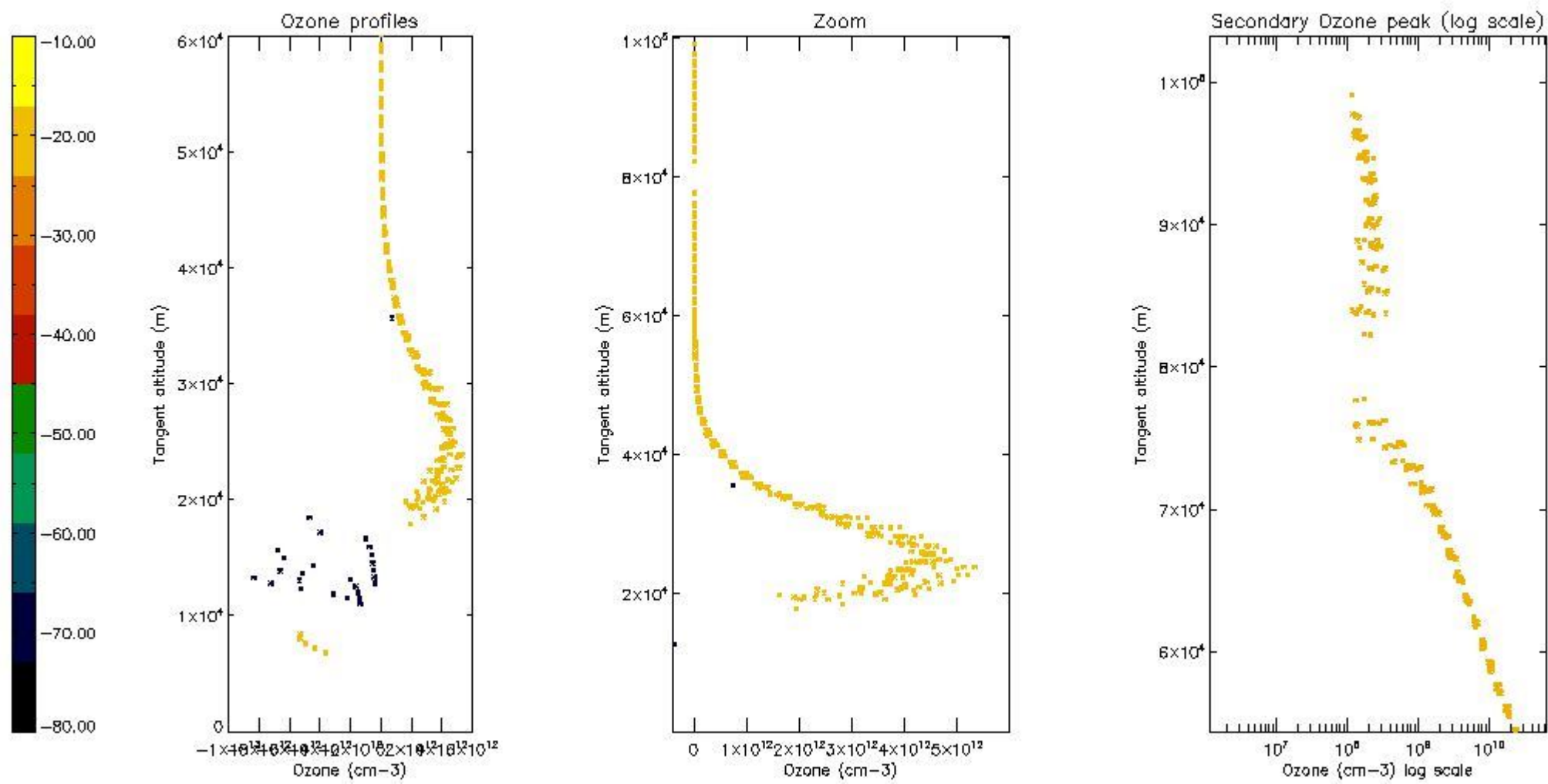
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



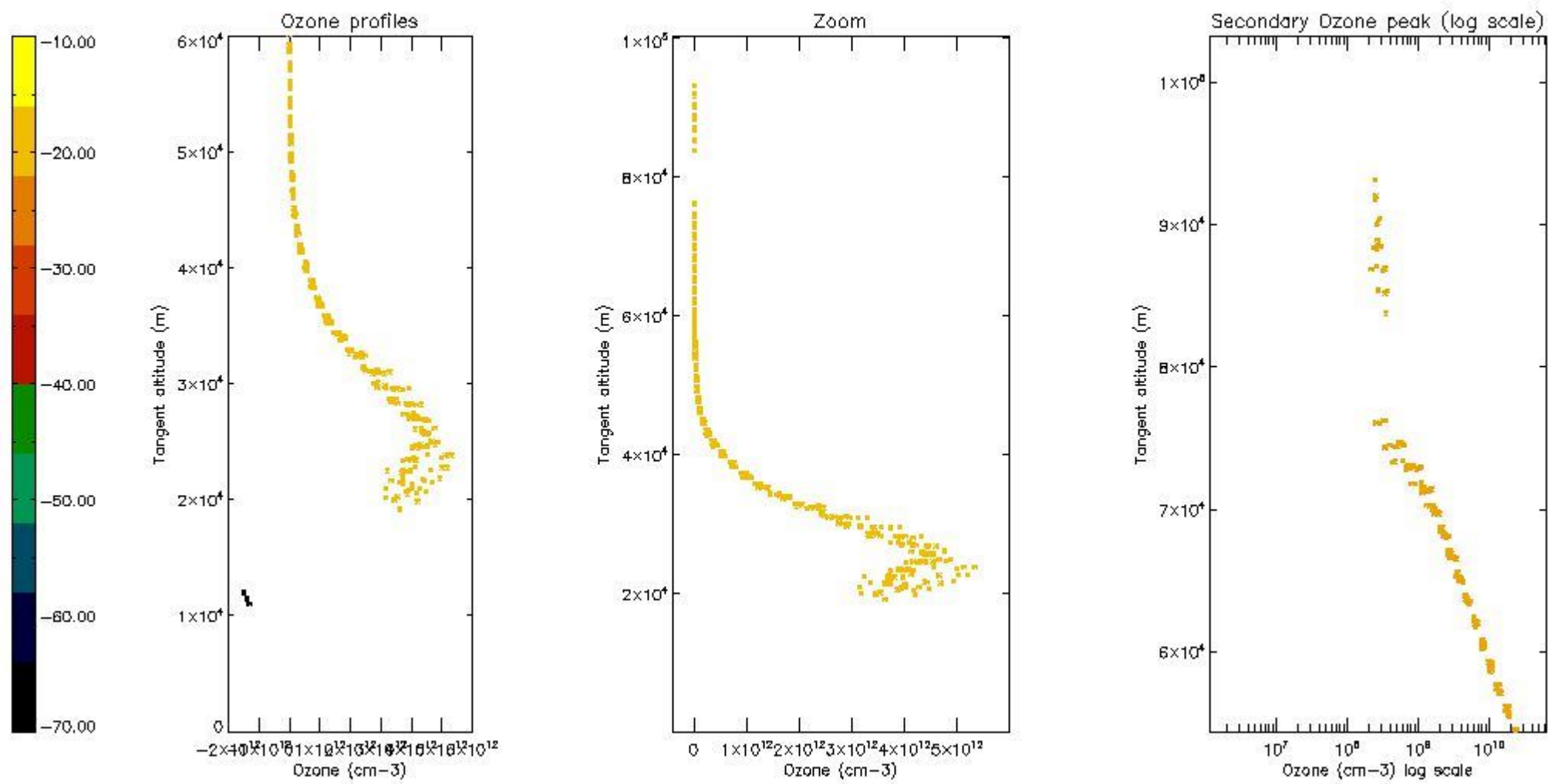
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



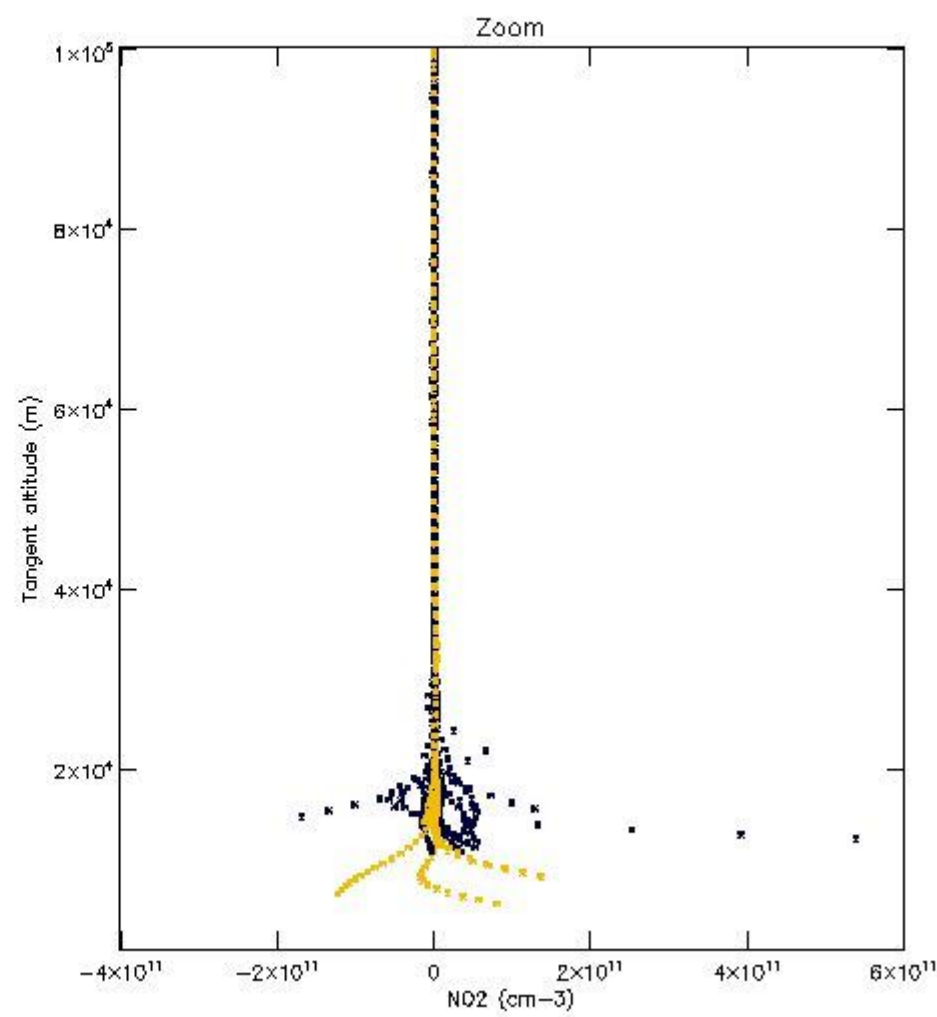
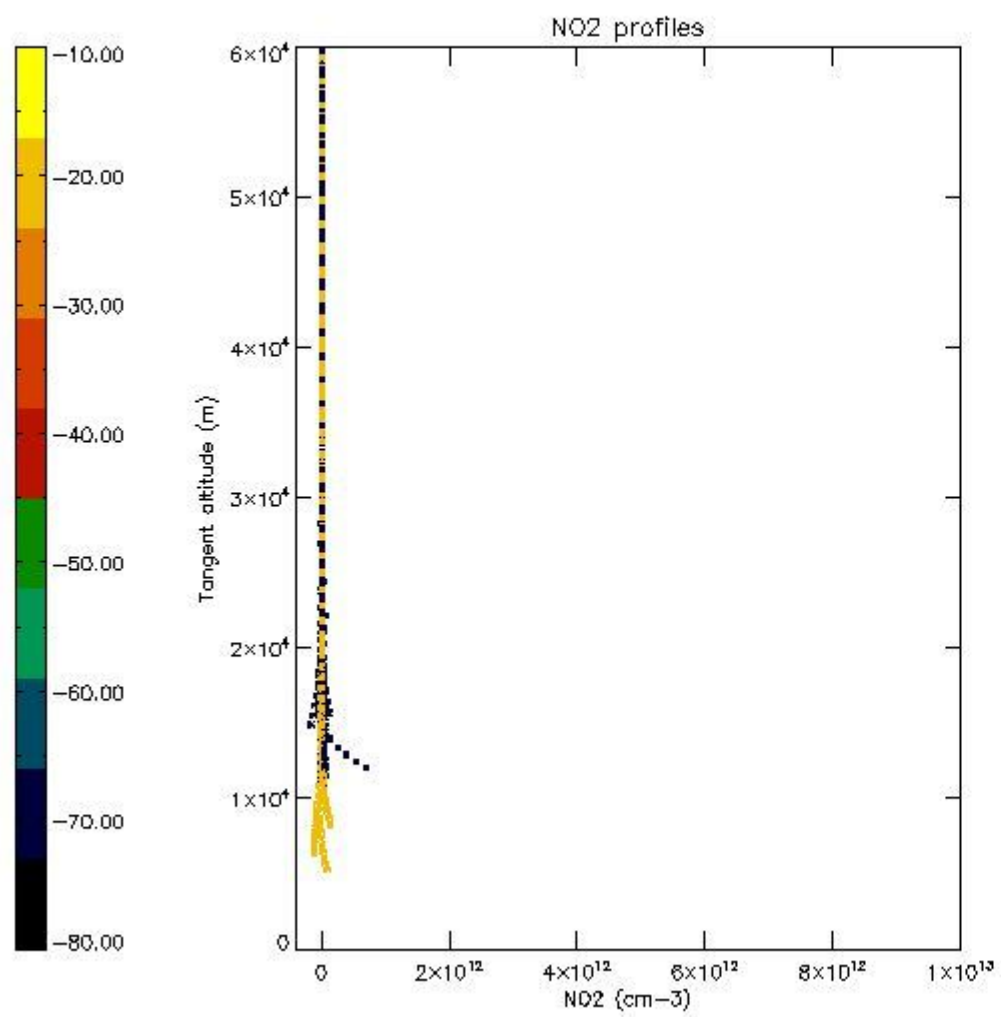
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



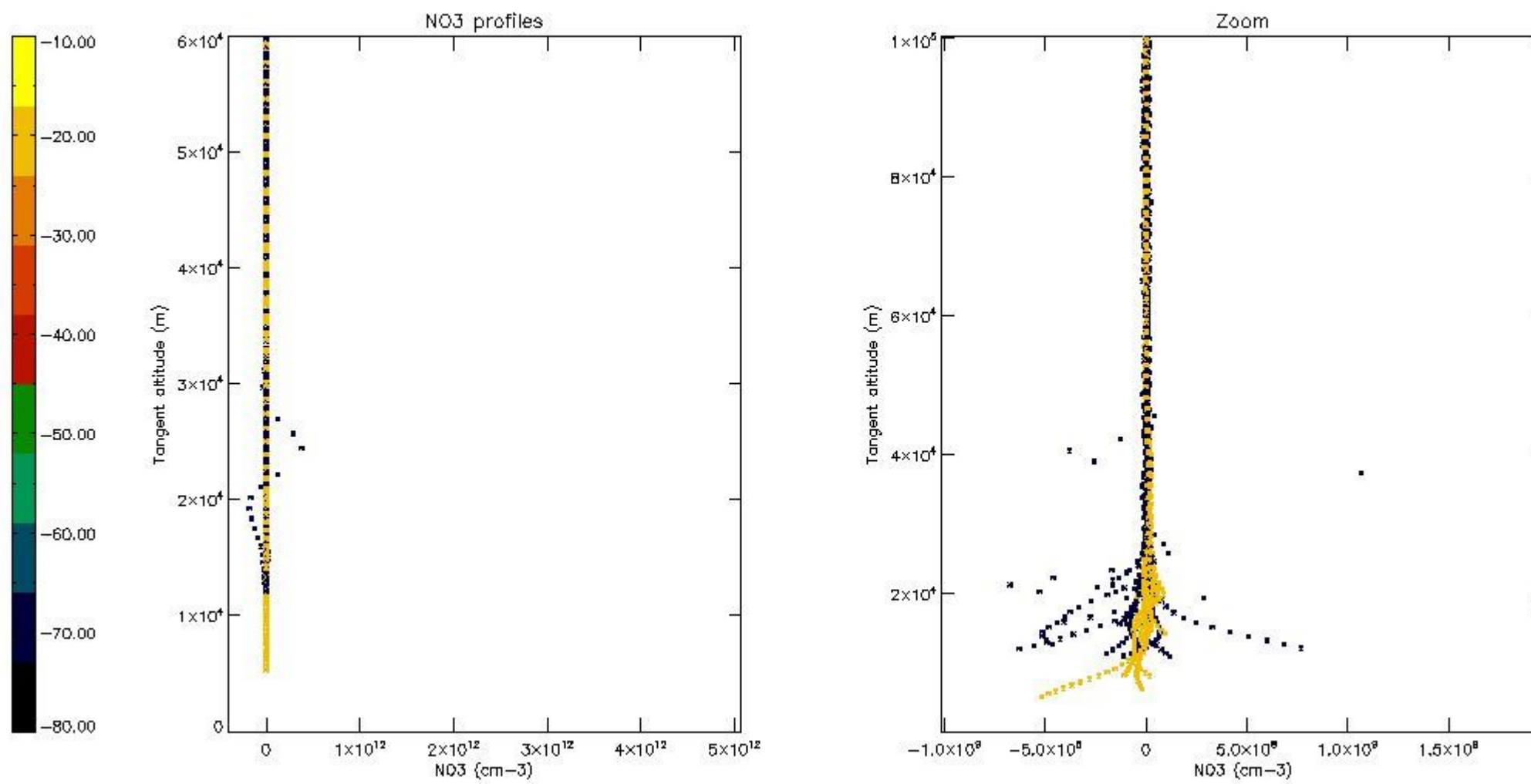
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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

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

| Type | Auxiliary Filename | Used since product | Used since product date |
|---------------------------|---|--------------------|-------------------------|
| INST_PHYS_CHARACTERISTICS | GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000 | 1 | 02-JUL-2007 00:00:41 |
| LEVEL-2_PROC_CONFIG | GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000 | 1 | 02-JUL-2007 00:00:41 |
| CROSS_SECTIONS_FILE | GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000 | 1 | 02-JUL-2007 00:00:41 |

GOMOS Level 2 Daily Report

SUMMARY

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[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 | 22APR2013 21:22:55 |
| Data source version | GOMOS/6.01 |
| Start time of products | 02-07-2007 (02JUL2007 00:00:00) |
| Stop time of products | 03-07-2007 (03JUL2007 00:00:00) |
| Store outputs in DB | Yes |
| Nb of level 2 prods | 238 |
| 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__2PRFIN20070702_000041_000000362059_00288_27897_5480.N1 | 02-JUL-2007 00:00:41 | Bright | 35.500 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 71 | 27897 | No |
| 2 | GOM_NL__2PRFIN20070702_000441_000000362059_00288_27897_5481.N1 | 02-JUL-2007 00:04:41 | Bright | 36.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 72 | 27897 | No |
| 3 | GOM_NL__2PRFIN20070702_000854_000000332059_00288_27897_5482.N1 | 02-JUL-2007 00:08:54 | Bright | 33.000 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 66 | 27897 | No |
| 4 | GOM_NL__2PRFIN20070702_002019_000000372059_00288_27897_5483.N1 | 02-JUL-2007 00:20:19 | Bright | 37.000 | 35 | 33Alp Per | 1.7950 | 6250.0 | 74 | 27897 | No |
| 5 | GOM_NL__2PRFIN20070702_003812_000000372059_00288_27897_5484.N1 | 02-JUL-2007 00:38:12 | Dark | 37.000 | 165 | 34Gam Eri | 2.9500 | 3200.0 | 74 | 27897 | No |
| 6 | GOM_NL__2PRFIN20070702_005245_000000442059_00289_27898_5478.N1 | 02-JUL-2007 00:52:45 | Dark | 43.500 | 9 | Alp Eri | 0.45300 | 24000. | 87 | 27898 | No |
| 7 | GOM_NL__2PRFIN20070702_010013_000000422059_00289_27898_5479.N1 | 02-JUL-2007 01:00:13 | Straylight | 41.500 | 148 | Alp Tuc | 2.8780 | 4100.0 | 83 | 27898 | No |
| 8 | GOM_NL__2PRFIN20070702_010434_000000442059_00289_27898_5480.N1 | 02-JUL-2007 01:04:34 | Straylight | 43.500 | 45 | Alp Pav | 1.9400 | 26000. | 87 | 27898 | No |
| 9 | GOM_NL__2PRFIN20070702_010949_000000382059_00289_27898_5481.N1 | 02-JUL-2007 01:09:49 | Two_and_stray | 37.500 | 147 | Alp Ara | 2.8770 | 26000. | 75 | 27898 | No |
| 10 | GOM_NL__2PRFIN20070702_011137_000000412059_00289_27898_5482.N1 | 02-JUL-2007 01:11:37 | Two_and_stray | 41.000 | 40 | The Sco | 1.8590 | 7100.0 | 82 | 27898 | No |
| 11 | GOM_NL__2PRFIN20070702_011317_000000382059_00289_27898_5483.N1 | 02-JUL-2007 01:13:17 | Two_and_stray | 37.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 75 | 27898 | No |
| 12 | GOM_NL__2PRFIN20070702_011442_000000472059_00289_27898_5484.N1 | 02-JUL-2007 01:14:42 | Bright | 47.000 | 116 | 19Del Sgr | 2.7000 | 4100.0 | 94 | 27898 | No |
| 13 | GOM_NL__2PRFIN20070702_011928_000000372059_00289_27898_5485.N1 | 02-JUL-2007 01:19:28 | Bright | 37.000 | 86 | 35Eta Oph | 2.4300 | 10200. | 74 | 27898 | No |
| 14 | GOM_NL__2PRFIN20070702_012506_000000362059_00289_27898_5486.N1 | 02-JUL-2007 01:25:06 | Bright | 36.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 72 | 27898 | No |
| 15 | GOM_NL__2PRFIN20070702_012726_000000382059_00289_27898_5487.N1 | 02-JUL-2007 01:27:26 | Bright | 38.000 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 76 | 27898 | No |
| 16 | GOM_NL__2PRFIN20070702_013009_000000352059_00289_27898_5488.N1 | 02-JUL-2007 01:30:09 | Bright | 34.500 | 127 | 27Bet Her | 2.7810 | 4700.0 | 69 | 27898 | No |
| 17 | GOM_NL__2PRFIN20070702_013253_000000352059_00289_27898_5489.N1 | 02-JUL-2007 01:32:53 | Bright | 35.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 70 | 27898 | No |
| 18 | GOM_NL__2PRFIN20070702_013852_000000352059_00289_27898_5490.N1 | 02-JUL-2007 01:38:52 | Bright | 35.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 70 | 27898 | No |
| 19 | GOM_NL__2PRFIN20070702_014117_000000372059_00289_27898_5491.N1 | 02-JUL-2007 01:41:17 | Bright | 36.500 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 73 | 27898 | No |
| 20 | GOM_NL__2PRFIN20070702_014517_000000372059_00289_27898_5492.N1 | 02-JUL-2007 01:45:17 | Bright | 37.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 74 | 27898 | No |
| 21 | GOM_NL__2PRFIN20070702_014930_000000352059_00289_27898_5493.N1 | 02-JUL-2007 01:49:30 | Bright | 34.500 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 69 | 27898 | No |
| 22 | GOM_NL__2PRFIN20070702_020055_000000432059_00289_27898_5494.N1 | 02-JUL-2007 02:00:55 | Bright | 43.000 | 35 | 33Alp Per | 1.7950 | 6250.0 | 86 | 27898 | No |
| 23 | GOM_NL__2PRFIN20070702_021848_000000402059_00289_27898_5495.N1 | 02-JUL-2007 02:18:48 | Dark | 39.500 | 165 | 34Gam Eri | 2.9500 | 3200.0 | 79 | 27898 | No |
| 24 | GOM_NL__2PRFIN20070702_023321_000000432059_00290_27899_5498.N1 | 02-JUL-2007 02:33:21 | Dark | 42.500 | 9 | Alp Eri | 0.45300 | 24000. | 85 | 27899 | No |
| 25 | GOM_NL__2PRFIN20070702_024049_000000452059_00290_27899_5499.N1 | 02-JUL-2007 02:40:49 | Straylight | 45.000 | 148 | Alp Tuc | 2.8780 | 4100.0 | 90 | 27899 | No |
| 26 | GOM_NL__2PRFIN20070702_024510_000000432059_00290_27899_5500.N1 | 02-JUL-2007 02:45:10 | Straylight | 42.500 | 45 | Alp Pav | 1.9400 | 26000. | 85 | 27899 | No |
| 27 | GOM_NL__2PRFIN20070702_025025_000000362059_00290_27899_5501.N1 | 02-JUL-2007 02:50:25 | Two_and_stray | 36.000 | 147 | Alp Ara | 2.8770 | 26000. | 72 | 27899 | No |
| 28 | GOM_NL__2PRFIN20070702_025213_000000412059_00290_27899_5502.N1 | 02-JUL-2007 02:52:13 | Two_and_stray | 41.000 | 40 | The Sco | 1.8590 | 7100.0 | 82 | 27899 | No |
| 29 | GOM_NL__2PRFIN20070702_025353_000000402059_00290_27899_5503.N1 | 02-JUL-2007 02:53:53 | Two_and_stray | 40.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 80 | 27899 | No |
| 30 | GOM_NL__2PRFIN20070702_025518_000000472059_00290_27899_5504.N1 | 02-JUL-2007 02:55:18 | Bright | 47.000 | 116 | 19Del Sgr | 2.7000 | 4100.0 | 94 | 27899 | No |
| 31 | GOM_NL__2PRFIN20070702_030005_000000372059_00290_27899_5505.N1 | 02-JUL-2007 03:00:05 | Bright | 36.500 | 86 | 35Eta Oph | 2.4300 | 10200. | 73 | 27899 | No |
| 32 | GOM_NL__2PRFIN20070702_030542_000000372059_00290_27899_5506.N1 | 02-JUL-2007 03:05:42 | Bright | 36.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 73 | 27899 | No |
| 33 | GOM_NL__2PRFIN20070702_030802_000000382059_00290_27899_5507.N1 | 02-JUL-2007 03:08:02 | Bright | 37.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 75 | 27899 | No |
| 34 | GOM_NL__2PRFIN20070702_031045_000000372059_00290_27899_5508.N1 | 02-JUL-2007 03:10:45 | Bright | 37.000 | 127 | 27Bet Her | 2.7810 | 4700.0 | 74 | 27899 | No |
| 35 | GOM_NL__2PRFIN20070702_031329_000000362059_00290_27899_5509.N1 | 02-JUL-2007 03:13:29 | Bright | 36.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 72 | 27899 | No |
| 36 | GOM_NL__2PRFIN20070702_031928_000000352059_00290_27899_5510.N1 | 02-JUL-2007 03:19:28 | Bright | 35.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 70 | 27899 | No |
| 37 | GOM_NL__2PRFIN20070702_032153_000000332059_00290_27899_5511.N1 | 02-JUL-2007 03:21:53 | Bright | 33.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 66 | 27899 | No |
| 38 | GOM_NL__2PRFIN20070702_032553_000000332059_00290_27899_5512.N1 | 02-JUL-2007 03:25:53 | Bright | 33.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 66 | 27899 | No |
| 39 | GOM_NL__2PRFIN20070702_033006_000000352059_00290_27899_5513.N1 | 02-JUL-2007 03:30:06 | Bright | 35.000 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 70 | 27899 | No |
| 40 | GOM_NL__2PRFIN20070702_034131_000000432059_00290_27899_5514.N1 | 02-JUL-2007 03:41:31 | Bright | 43.000 | 35 | 33Alp Per | 1.7950 | 6250.0 | 86 | 27899 | No |
| 41 | GOM_NL__2PRFIN20070702_035924_000000422059_00290_27899_5515.N1 | 02-JUL-2007 03:59:24 | Dark | 41.500 | 165 | 34Gam Eri | 2.9500 | 3200.0 | 83 | 27899 | No |
| 42 | GOM_NL__2PRFIN20070702_041358_000000432059_00291_27900_5512.N1 | 02-JUL-2007 04:13:58 | Dark | 42.500 | 9 | Alp Eri | 0.45300 | 24000. | 85 | 27900 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|---------------|--------|-----|-----------|---------|--------|-----|-------|----|
| 43 | GOM_NL__2PRFIN20070702_042126_000000402059_00291_27900_5513.N1 | 02-JUL-2007 04:21:26 | Straylight | 40.000 | 148 | Alp Tuc | 2.8780 | 4100.0 | 80 | 27900 | No |
| 44 | GOM_NL__2PRFIN20070702_042547_000000412059_00291_27900_5514.N1 | 02-JUL-2007 04:25:47 | Straylight | 41.000 | 45 | Alp Pav | 1.9400 | 26000. | 82 | 27900 | No |
| 45 | GOM_NL__2PRFIN20070702_043250_000000392059_00291_27900_5515.N1 | 02-JUL-2007 04:32:50 | Two_and_stray | 38.500 | 40 | The Sco | 1.8590 | 7100.0 | 77 | 27900 | No |
| 46 | GOM_NL__2PRFIN20070702_043429_000000422059_00291_27900_5516.N1 | 02-JUL-2007 04:34:29 | Two_and_stray | 42.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 84 | 27900 | No |
| 47 | GOM_NL__2PRFIN20070702_043554_000000452059_00291_27900_5517.N1 | 02-JUL-2007 04:35:54 | Bright | 44.500 | 116 | 19Del Sgr | 2.7000 | 4100.0 | 89 | 27900 | No |
| 48 | GOM_NL__2PRFIN20070702_044041_000000362059_00291_27900_5518.N1 | 02-JUL-2007 04:40:41 | Bright | 36.000 | 86 | 35Eta Oph | 2.4300 | 10200. | 72 | 27900 | No |
| 49 | GOM_NL__2PRFIN20070702_044618_000000372059_00291_27900_5519.N1 | 02-JUL-2007 04:46:18 | Bright | 37.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 74 | 27900 | No |
| 50 | GOM_NL__2PRFIN20070702_044838_000000382059_00291_27900_5520.N1 | 02-JUL-2007 04:48:38 | Bright | 38.000 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 76 | 27900 | No |
| 51 | GOM_NL__2PRFIN20070702_045121_000000362059_00291_27900_5521.N1 | 02-JUL-2007 04:51:21 | Bright | 36.000 | 127 | 27Bet Her | 2.7810 | 4700.0 | 72 | 27900 | No |
| 52 | GOM_NL__2PRFIN20070702_045405_000000352059_00291_27900_5522.N1 | 02-JUL-2007 04:54:05 | Bright | 34.500 | 133 | 40Zet Her | 2.8070 | 6000.0 | 69 | 27900 | No |
| 53 | GOM_NL__2PRFIN20070702_050004_000000372059_00291_27900_5523.N1 | 02-JUL-2007 05:00:04 | Bright | 36.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 73 | 27900 | No |
| 54 | GOM_NL__2PRFIN20070702_050229_000000362059_00291_27900_5524.N1 | 02-JUL-2007 05:02:29 | Bright | 35.500 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 71 | 27900 | No |
| 55 | GOM_NL__2PRFIN20070702_050629_000000332059_00291_27900_5525.N1 | 02-JUL-2007 05:06:29 | Bright | 33.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 66 | 27900 | No |
| 56 | GOM_NL__2PRFIN20070702_051041_000000342059_00291_27900_5526.N1 | 02-JUL-2007 05:10:41 | Bright | 33.500 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 67 | 27900 | No |
| 57 | GOM_NL__2PRFIN20070702_052207_000000382059_00291_27900_5527.N1 | 02-JUL-2007 05:22:07 | Bright | 37.500 | 35 | 33Alp Per | 1.7950 | 6250.0 | 75 | 27900 | No |
| 58 | GOM_NL__2PRFIN20070702_052937_000000412059_00291_27900_5528.N1 | 02-JUL-2007 05:29:37 | Twilight | 41.000 | 146 | 25Eta Tau | 2.8730 | 15200. | 82 | 27900 | No |
| 59 | GOM_NL__2PRFIN20070702_054000_000000432059_00291_27900_5529.N1 | 02-JUL-2007 05:40:00 | Dark | 42.500 | 165 | 34Gam Eri | 2.9500 | 3200.0 | 85 | 27900 | No |
| 60 | GOM_NL__2PRFIN20070702_060203_000000442059_00292_27901_5529.N1 | 02-JUL-2007 06:02:03 | Straylight | 43.500 | 148 | Alp Tuc | 2.8780 | 4100.0 | 87 | 27901 | No |
| 61 | GOM_NL__2PRFIN20070702_060623_000000412059_00292_27901_5530.N1 | 02-JUL-2007 06:06:23 | Straylight | 40.500 | 45 | Alp Pav | 1.9400 | 26000. | 81 | 27901 | No |
| 62 | GOM_NL__2PRFIN20070702_061326_000000422059_00292_27901_5531.N1 | 02-JUL-2007 06:13:26 | Two_and_stray | 42.000 | 40 | The Sco | 1.8590 | 7100.0 | 84 | 27901 | No |
| 63 | GOM_NL__2PRFIN20070702_061506_000000432059_00292_27901_5532.N1 | 02-JUL-2007 06:15:06 | Two_and_stray | 42.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 85 | 27901 | No |
| 64 | GOM_NL__2PRFIN20070702_061631_000000462059_00292_27901_5533.N1 | 02-JUL-2007 06:16:31 | Bright | 46.000 | 116 | 19Del Sgr | 2.7000 | 4100.0 | 92 | 27901 | No |
| 65 | GOM_NL__2PRFIN20070702_062117_000000362059_00292_27901_5534.N1 | 02-JUL-2007 06:21:17 | Bright | 36.000 | 86 | 35Eta Oph | 2.4300 | 10200. | 72 | 27901 | No |
| 66 | GOM_NL__2PRFIN20070702_062654_000000372059_00292_27901_5535.N1 | 02-JUL-2007 06:26:54 | Bright | 37.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 74 | 27901 | No |
| 67 | GOM_NL__2PRFIN20070702_062914_000000362059_00292_27901_5536.N1 | 02-JUL-2007 06:29:14 | Bright | 35.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 71 | 27901 | No |
| 68 | GOM_NL__2PRFIN20070702_063158_000000372059_00292_27901_5537.N1 | 02-JUL-2007 06:31:58 | Bright | 37.000 | 127 | 27Bet Her | 2.7810 | 4700.0 | 74 | 27901 | No |
| 69 | GOM_NL__2PRFIN20070702_063441_000000362059_00292_27901_5538.N1 | 02-JUL-2007 06:34:41 | Bright | 36.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 72 | 27901 | No |
| 70 | GOM_NL__2PRFIN20070702_064040_000000372059_00292_27901_5539.N1 | 02-JUL-2007 06:40:40 | Bright | 36.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 73 | 27901 | No |
| 71 | GOM_NL__2PRFIN20070702_064305_000000362059_00292_27901_5540.N1 | 02-JUL-2007 06:43:05 | Bright | 36.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 72 | 27901 | No |
| 72 | GOM_NL__2PRFIN20070702_064705_000000352059_00292_27901_5541.N1 | 02-JUL-2007 06:47:05 | Bright | 34.500 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 69 | 27901 | No |
| 73 | GOM_NL__2PRFIN20070702_065117_000000362059_00292_27901_5542.N1 | 02-JUL-2007 06:51:17 | Bright | 35.500 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 71 | 27901 | No |
| 74 | GOM_NL__2PRFIN20070702_070243_000000362059_00292_27901_5543.N1 | 02-JUL-2007 07:02:43 | Bright | 36.000 | 35 | 33Alp Per | 1.7950 | 6250.0 | 72 | 27901 | No |
| 75 | GOM_NL__2PRFIN20070702_071014_000000402059_00292_27901_5544.N1 | 02-JUL-2007 07:10:14 | Twilight | 39.500 | 146 | 25Eta Tau | 2.8730 | 15200. | 79 | 27901 | No |
| 76 | GOM_NL__2PRFIN20070702_072037_000000432059_00292_27901_5545.N1 | 02-JUL-2007 07:20:37 | Dark | 43.000 | 165 | 34Gam Eri | 2.9500 | 3200.0 | 86 | 27901 | No |
| 77 | GOM_NL__2PRFIN20070702_074239_000000422059_00293_27902_5606.N1 | 02-JUL-2007 07:42:39 | Straylight | 42.000 | 148 | Alp Tuc | 2.8780 | 4100.0 | 84 | 27902 | No |
| 78 | GOM_NL__2PRFIN20070702_074700_000000432059_00293_27902_5607.N1 | 02-JUL-2007 07:47:00 | Straylight | 43.000 | 45 | Alp Pav | 1.9400 | 26000. | 86 | 27902 | No |
| 79 | GOM_NL__2PRFIN20070702_075402_000000442059_00293_27902_5608.N1 | 02-JUL-2007 07:54:02 | Two_and_stray | 43.500 | 40 | The Sco | 1.8590 | 7100.0 | 87 | 27902 | No |
| 80 | GOM_NL__2PRFIN20070702_075542_000000422059_00293_27902_5609.N1 | 02-JUL-2007 07:55:42 | Two_and_stray | 41.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 83 | 27902 | No |
| 81 | GOM_NL__2PRFIN20070702_075707_000000522059_00293_27902_5610.N1 | 02-JUL-2007 07:57:07 | Bright | 51.500 | 116 | 19Del Sgr | 2.7000 | 4100.0 | 103 | 27902 | No |
| 82 | GOM_NL__2PRFIN20070702_080153_000000362059_00293_27902_5611.N1 | 02-JUL-2007 08:01:53 | Bright | 36.000 | 86 | 35Eta Oph | 2.4300 | 10200. | 72 | 27902 | No |
| 83 | GOM_NL__2PRFIN20070702_080730_000000362059_00293_27902_5612.N1 | 02-JUL-2007 08:07:30 | Bright | 36.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 72 | 27902 | No |
| 84 | GOM_NL__2PRFIN20070702_080950_000000372059_00293_27902_5613.N1 | 02-JUL-2007 08:09:50 | Bright | 36.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 73 | 27902 | No |
| 85 | GOM_NL__2PRFIN20070702_081234_000000342059_00293_27902_5614.N1 | 02-JUL-2007 08:12:34 | Bright | 33.500 | 127 | 27Bet Her | 2.7810 | 4700.0 | 67 | 27902 | No |
| 86 | GOM_NL__2PRFIN20070702_081517_000000352059_00293_27902_5615.N1 | 02-JUL-2007 08:15:17 | Bright | 34.500 | 133 | 40Zet Her | 2.8070 | 6000.0 | 69 | 27902 | No |
| 87 | GOM_NL__2PRFIN20070702_082115_000000372059_00293_27902_5616.N1 | 02-JUL-2007 08:21:15 | Bright | 37.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 74 | 27902 | No |
| 88 | GOM_NL__2PRFIN20070702_082341_000000362059_00293_27902_5617.N1 | 02-JUL-2007 08:23:41 | Bright | 35.500 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 71 | 27902 | No |
| 89 | GOM_NL__2PRFIN20070702_082742_000000372059_00293_27902_5618.N1 | 02-JUL-2007 08:27:42 | Bright | 36.500 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 73 | 27902 | No |
| 90 | GOM_NL__2PRFIN20070702_083153_000000352059_00293_27902_5619.N1 | 02-JUL-2007 08:31:53 | Bright | 35.000 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 70 | 27902 | No |
| 91 | GOM_NL__2PRFIN20070702_084319_000000432059_00293_27902_5620.N1 | 02-JUL-2007 08:43:19 | Bright | 43.000 | 35 | 33Alp Per | 1.7950 | 6250.0 | 86 | 27902 | No |
| 92 | GOM_NL__2PRFIN20070702_085049_000000392059_00293_27902_5621.N1 | 02-JUL-2007 08:50:49 | Twilight | 39.000 | 146 | 25Eta Tau | 2.8730 | 15200. | 78 | 27902 | No |
| 93 | GOM_NL__2PRFIN20070702_090113_000000432059_00293_27902_5622.N1 | 02-JUL-2007 09:01:13 | Dark | 42.500 | 165 | 34Gam Eri | 2.9500 | 3200.0 | 85 | 27902 | No |
| 94 | GOM_NL__2PRFIN20070702_091547_000000522059_00294_27903_5617.N1 | 02-JUL-2007 09:15:47 | Dark | 51.500 | 9 | Alp Eri | 0.45300 | 24000. | 103 | 27903 | No |
| 95 | GOM_NL__2PRFIN20070702_092316_000000422059_00294_27903_5618.N1 | 02-JUL-2007 09:23:16 | Straylight | 41.500 | 148 | Alp Tuc | 2.8780 | 4100.0 | 83 | 27903 | No |
| 96 | GOM_NL__2PRFIN20070702_092736_000000422059_00294_27903_5619.N1 | 02-JUL-2007 09:27:36 | Straylight | 42.000 | 45 | Alp Pav | 1.9400 | 26000. | 84 | 27903 | No |
| 97 | GOM_NL__2PRFIN20070702_093438_000000382059_00294_27903_5620.N1 | 02-JUL-2007 09:34:38 | Two_and_stray | 37.500 | 40 | The Sco | 1.8590 | 7100.0 | 75 | 27903 | No |
| 98 | GOM_NL__2PRFIN20070702_093618_000000402059_00294_27903_5621.N1 | 02-JUL-2007 09:36:18 | Two_and_stray | 39.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 79 | 27903 | No |
| 99 | GOM_NL__2PRFIN20070702_093743_000000512059_00294_27903_5622.N1 | 02-JUL-2007 09:37:43 | Bright | 51.000 | 116 | 19Del Sgr | 2.7000 | 4100.0 | 102 | 27903 | No |
| 100 | GOM_NL__2PRFIN20070702_094229_000000362059_00294_27903_5623.N1 | 02-JUL-2007 09:42:29 | Bright | 36.000 | 86 | 35Eta Oph | 2.4300 | 10200. | 72 | 27903 | No |
| 101 | GOM_NL__2PRFIN20070702_094806_000000372059_00294_27903_5624.N1 | 02-JUL-2007 09:48:06 | Bright | 36.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 73 | 27903 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|----------------|--------|-----|-----------|---------|--------|-----|-------|----|
| 102 | GOM_NL__2PRFIN20070702_095026_000000372059_00294_27903_5625.N1 | 02-JUL-2007 09:50:26 | Bright | 37.000 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 74 | 27903 | No |
| 103 | GOM_NL__2PRFIN20070702_095310_000000362059_00294_27903_5626.N1 | 02-JUL-2007 09:53:10 | Bright | 35.500 | 127 | 27Bet Her | 2.7810 | 4700.0 | 71 | 27903 | No |
| 104 | GOM_NL__2PRFIN20070702_095553_000000342059_00294_27903_5627.N1 | 02-JUL-2007 09:55:53 | Bright | 34.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 68 | 27903 | No |
| 105 | GOM_NL__2PRFIN20070702_100151_000000382059_00294_27903_5628.N1 | 02-JUL-2007 10:01:51 | Bright | 37.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 75 | 27903 | No |
| 106 | GOM_NL__2PRFIN20070702_100417_000000352059_00294_27903_5629.N1 | 02-JUL-2007 10:04:17 | Bright | 35.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 70 | 27903 | No |
| 107 | GOM_NL__2PRFIN20070702_100818_000000362059_00294_27903_5630.N1 | 02-JUL-2007 10:08:18 | Bright | 35.500 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 71 | 27903 | No |
| 108 | GOM_NL__2PRFIN20070702_101229_000000362059_00294_27903_5631.N1 | 02-JUL-2007 10:12:29 | Bright | 36.000 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 72 | 27903 | No |
| 109 | GOM_NL__2PRFIN20070702_102355_000000372059_00294_27903_5632.N1 | 02-JUL-2007 10:23:55 | Bright | 37.000 | 35 | 33Alp Per | 1.7950 | 6250.0 | 74 | 27903 | No |
| 110 | GOM_NL__2PRFIN20070702_103126_000000382059_00294_27903_5633.N1 | 02-JUL-2007 10:31:26 | Twilight | 37.500 | 146 | 25Eta Tau | 2.8730 | 15200. | 75 | 27903 | No |
| 111 | GOM_NL__2PRFIN20070702_104149_000000442059_00294_27903_5634.N1 | 02-JUL-2007 10:41:49 | Dark | 43.500 | 165 | 34Gam Eri | 2.9500 | 3200.0 | 87 | 27903 | No |
| 112 | GOM_NL__2PRFIN20070702_105623_000000392059_00295_27904_5785.N1 | 02-JUL-2007 10:56:23 | Dark | 39.000 | 9 | Alp Eri | 0.45300 | 24000. | 78 | 27904 | No |
| 113 | GOM_NL__2PRFIN20070702_110352_000000422059_00295_27904_5786.N1 | 02-JUL-2007 11:03:52 | Straylight | 42.000 | 148 | Alp Tuc | 2.8780 | 4100.0 | 84 | 27904 | No |
| 114 | GOM_NL__2PRFIN20070702_110813_000000412059_00295_27904_5787.N1 | 02-JUL-2007 11:08:13 | Straylight | 41.000 | 45 | Alp Pav | 1.9400 | 26000. | 82 | 27904 | No |
| 115 | GOM_NL__2PRFIN20070702_111514_000000442059_00295_27904_5788.N1 | 02-JUL-2007 11:15:14 | Tw_i_and_stray | 43.500 | 40 | The Sco | 1.8590 | 7100.0 | 87 | 27904 | No |
| 116 | GOM_NL__2PRFIN20070702_111654_000000422059_00295_27904_5789.N1 | 02-JUL-2007 11:16:54 | Tw_i_and_stray | 41.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 83 | 27904 | No |
| 117 | GOM_NL__2PRFIN20070702_111819_000000432059_00295_27904_5790.N1 | 02-JUL-2007 11:18:19 | Bright | 43.000 | 116 | 19Del Sgr | 2.7000 | 4100.0 | 86 | 27904 | No |
| 118 | GOM_NL__2PRFIN20070702_112305_000000372059_00295_27904_5791.N1 | 02-JUL-2007 11:23:05 | Bright | 36.500 | 86 | 35Eta Oph | 2.4300 | 10200. | 73 | 27904 | No |
| 119 | GOM_NL__2PRFIN20070702_112842_000000372059_00295_27904_5792.N1 | 02-JUL-2007 11:28:42 | Bright | 36.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 73 | 27904 | No |
| 120 | GOM_NL__2PRFIN20070702_113101_000000372059_00295_27904_5793.N1 | 02-JUL-2007 11:31:01 | Bright | 37.000 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 74 | 27904 | No |
| 121 | GOM_NL__2PRFIN20070702_113346_000000362059_00295_27904_5794.N1 | 02-JUL-2007 11:33:46 | Bright | 35.500 | 127 | 27Bet Her | 2.7810 | 4700.0 | 71 | 27904 | No |
| 122 | GOM_NL__2PRFIN20070702_113629_000000342059_00295_27904_5795.N1 | 02-JUL-2007 11:36:29 | Bright | 34.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 68 | 27904 | No |
| 123 | GOM_NL__2PRFIN20070702_114227_000000382059_00295_27904_5796.N1 | 02-JUL-2007 11:42:27 | Bright | 37.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 75 | 27904 | No |
| 124 | GOM_NL__2PRFIN20070702_114453_000000362059_00295_27904_5797.N1 | 02-JUL-2007 11:44:53 | Bright | 36.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 72 | 27904 | No |
| 125 | GOM_NL__2PRFIN20070702_114854_000000362059_00295_27904_5798.N1 | 02-JUL-2007 11:48:54 | Bright | 35.500 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 71 | 27904 | No |
| 126 | GOM_NL__2PRFIN20070702_115305_000000362059_00295_27904_5799.N1 | 02-JUL-2007 11:53:05 | Bright | 36.000 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 72 | 27904 | No |
| 127 | GOM_NL__2PRFIN20070702_120430_000000372059_00295_27904_5800.N1 | 02-JUL-2007 12:04:30 | Bright | 36.500 | 35 | 33Alp Per | 1.7950 | 6250.0 | 73 | 27904 | No |
| 128 | GOM_NL__2PRFIN20070702_121202_000000402059_00295_27904_5801.N1 | 02-JUL-2007 12:12:02 | Twilight | 40.000 | 146 | 25Eta Tau | 2.8730 | 15200. | 80 | 27904 | No |
| 129 | GOM_NL__2PRFIN20070702_122225_000000422059_00295_27904_5802.N1 | 02-JUL-2007 12:22:25 | Dark | 42.000 | 165 | 34Gam Eri | 2.9500 | 3200.0 | 84 | 27904 | No |
| 130 | GOM_NL__2PRFIN20070702_123700_000000422059_00296_27905_5898.N1 | 02-JUL-2007 12:37:00 | Dark | 41.500 | 9 | Alp Eri | 0.45300 | 24000. | 83 | 27905 | No |
| 131 | GOM_NL__2PRFIN20070702_124429_000000442059_00296_27905_5899.N1 | 02-JUL-2007 12:44:29 | Straylight | 43.500 | 148 | Alp Tuc | 2.8780 | 4100.0 | 87 | 27905 | No |
| 132 | GOM_NL__2PRFIN20070702_124849_000000412059_00296_27905_5900.N1 | 02-JUL-2007 12:48:49 | Straylight | 41.000 | 45 | Alp Pav | 1.9400 | 26000. | 82 | 27905 | No |
| 133 | GOM_NL__2PRFIN20070702_125550_000000412059_00296_27905_5901.N1 | 02-JUL-2007 12:55:50 | Tw_i_and_stray | 40.500 | 40 | The Sco | 1.8590 | 7100.0 | 81 | 27905 | No |
| 134 | GOM_NL__2PRFIN20070702_125730_000000392059_00296_27905_5902.N1 | 02-JUL-2007 12:57:30 | Tw_i_and_stray | 39.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 78 | 27905 | No |
| 135 | GOM_NL__2PRFIN20070702_125855_000000532059_00296_27905_5903.N1 | 02-JUL-2007 12:58:55 | Bright | 53.000 | 116 | 19Del Sgr | 2.7000 | 4100.0 | 106 | 27905 | No |
| 136 | GOM_NL__2PRFIN20070702_130341_000000362059_00296_27905_5904.N1 | 02-JUL-2007 13:03:41 | Bright | 35.500 | 86 | 35Eta Oph | 2.4300 | 10200. | 71 | 27905 | No |
| 137 | GOM_NL__2PRFIN20070702_130918_000000362059_00296_27905_5905.N1 | 02-JUL-2007 13:09:18 | Bright | 36.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 72 | 27905 | No |
| 138 | GOM_NL__2PRFIN20070702_131137_000000362059_00296_27905_5906.N1 | 02-JUL-2007 13:11:37 | Bright | 35.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 71 | 27905 | No |
| 139 | GOM_NL__2PRFIN20070702_131422_000000372059_00296_27905_5907.N1 | 02-JUL-2007 13:14:22 | Bright | 36.500 | 127 | 27Bet Her | 2.7810 | 4700.0 | 73 | 27905 | No |
| 140 | GOM_NL__2PRFIN20070702_131705_000000362059_00296_27905_5908.N1 | 02-JUL-2007 13:17:05 | Bright | 35.500 | 133 | 40Zet Her | 2.8070 | 6000.0 | 71 | 27905 | No |
| 141 | GOM_NL__2PRFIN20070702_132303_000000372059_00296_27905_5909.N1 | 02-JUL-2007 13:23:03 | Bright | 37.000 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 74 | 27905 | No |
| 142 | GOM_NL__2PRFIN20070702_132529_000000362059_00296_27905_5910.N1 | 02-JUL-2007 13:25:29 | Bright | 35.500 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 71 | 27905 | No |
| 143 | GOM_NL__2PRFIN20070702_132930_000000362059_00296_27905_5911.N1 | 02-JUL-2007 13:29:30 | Bright | 35.500 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 71 | 27905 | No |
| 144 | GOM_NL__2PRFIN20070702_133341_000000362059_00296_27905_5912.N1 | 02-JUL-2007 13:33:41 | Bright | 36.000 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 72 | 27905 | No |
| 145 | GOM_NL__2PRFIN20070702_134506_000000362059_00296_27905_5913.N1 | 02-JUL-2007 13:45:06 | Bright | 36.000 | 35 | 33Alp Per | 1.7950 | 6250.0 | 72 | 27905 | No |
| 146 | GOM_NL__2PRFIN20070702_135238_000000412059_00296_27905_5914.N1 | 02-JUL-2007 13:52:38 | Twilight | 40.500 | 146 | 25Eta Tau | 2.8730 | 15200. | 81 | 27905 | No |
| 147 | GOM_NL__2PRFIN20070702_140301_000000432059_00296_27905_5915.N1 | 02-JUL-2007 14:03:01 | Dark | 42.500 | 165 | 34Gam Eri | 2.9500 | 3200.0 | 85 | 27905 | No |
| 148 | GOM_NL__2PRFIN20070702_141736_000000392059_00297_27906_5936.N1 | 02-JUL-2007 14:17:36 | Dark | 39.000 | 9 | Alp Eri | 0.45300 | 24000. | 78 | 27906 | No |
| 149 | GOM_NL__2PRFIN20070702_142505_000000452059_00297_27906_5937.N1 | 02-JUL-2007 14:25:05 | Straylight | 44.500 | 148 | Alp Tuc | 2.8780 | 4100.0 | 89 | 27906 | No |
| 150 | GOM_NL__2PRFIN20070702_142925_000000432059_00297_27906_5938.N1 | 02-JUL-2007 14:29:25 | Straylight | 42.500 | 45 | Alp Pav | 1.9400 | 26000. | 85 | 27906 | No |
| 151 | GOM_NL__2PRFIN20070702_143626_000000412059_00297_27906_5939.N1 | 02-JUL-2007 14:36:26 | Tw_i_and_stray | 41.000 | 40 | The Sco | 1.8590 | 7100.0 | 82 | 27906 | No |
| 152 | GOM_NL__2PRFIN20070702_143806_000000382059_00297_27906_5940.N1 | 02-JUL-2007 14:38:06 | Tw_i_and_stray | 38.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 76 | 27906 | No |
| 153 | GOM_NL__2PRFIN20070702_143931_000000552059_00297_27906_5941.N1 | 02-JUL-2007 14:39:31 | Bright | 54.500 | 116 | 19Del Sgr | 2.7000 | 4100.0 | 109 | 27906 | No |
| 154 | GOM_NL__2PRFIN20070702_144417_000000362059_00297_27906_5942.N1 | 02-JUL-2007 14:44:17 | Bright | 35.500 | 86 | 35Eta Oph | 2.4300 | 10200. | 71 | 27906 | No |
| 155 | GOM_NL__2PRFIN20070702_144954_000000362059_00297_27906_5943.N1 | 02-JUL-2007 14:49:54 | Bright | 36.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 72 | 27906 | No |
| 156 | GOM_NL__2PRFIN20070702_145213_000000382059_00297_27906_5944.N1 | 02-JUL-2007 14:52:13 | Bright | 38.000 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 76 | 27906 | No |
| 157 | GOM_NL__2PRFIN20070702_145458_000000372059_00297_27906_5945.N1 | 02-JUL-2007 14:54:58 | Bright | 36.500 | 127 | 27Bet Her | 2.7810 | 4700.0 | 73 | 27906 | No |
| 158 | GOM_NL__2PRFIN20070702_145741_000000372059_00297_27906_5946.N1 | 02-JUL-2007 14:57:41 | Bright | 36.500 | 133 | 40Zet Her | 2.8070 | 6000.0 | 73 | 27906 | No |
| 159 | GOM_NL__2PRFIN20070702_150338_000000362059_00297_27906_5947.N1 | 02-JUL-2007 15:03:38 | Bright | 35.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 71 | 27906 | No |
| 160 | GOM_NL__2PRFIN20070702_150605_000000352059_00297_27906_5948.N1 | 02-JUL-2007 15:06:05 | Bright | 35.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 70 | 27906 | No |

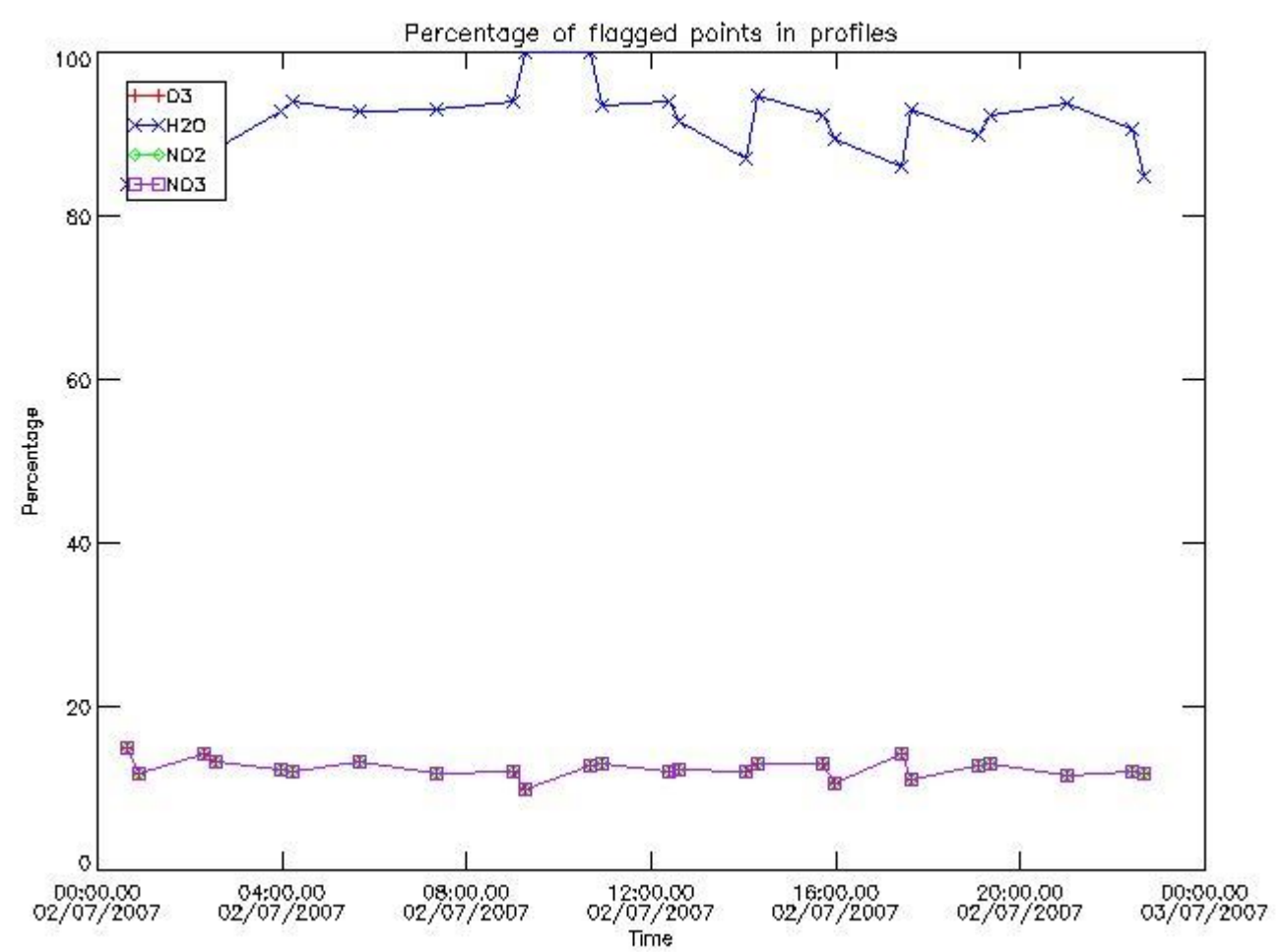
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|-----|--|----------------------|---------------|--------|-----|-----------|---------|--------|-----|-------|----|
| 161 | GOM_NL__2PRFIN20070702_151006_000000372059_00297_27906_5949.N1 | 02-JUL-2007 15:10:06 | Bright | 36.500 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 73 | 27906 | No |
| 162 | GOM_NL__2PRFIN20070702_151417_000000362059_00297_27906_5950.N1 | 02-JUL-2007 15:14:17 | Bright | 35.500 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 71 | 27906 | No |
| 163 | GOM_NL__2PRFIN20070702_152543_000000552059_00297_27906_5951.N1 | 02-JUL-2007 15:25:43 | Bright | 55.000 | 35 | 33Alp Per | 1.7950 | 6250.0 | 110 | 27906 | No |
| 164 | GOM_NL__2PRFIN20070702_153314_000000392059_00297_27906_5952.N1 | 02-JUL-2007 15:33:14 | Twilight | 39.000 | 146 | 25Eta Tau | 2.8730 | 15200. | 78 | 27906 | No |
| 165 | GOM_NL__2PRFIN20070702_154337_000000392059_00297_27906_5953.N1 | 02-JUL-2007 15:43:37 | Dark | 39.000 | 165 | 34Gam Eri | 2.9500 | 3200.0 | 78 | 27906 | No |
| 166 | GOM_NL__2PRFIN20070702_155813_000000482059_00298_27907_5971.N1 | 02-JUL-2007 15:58:13 | Dark | 48.000 | 9 | Alp Eri | 0.45300 | 24000. | 96 | 27907 | No |
| 167 | GOM_NL__2PRFIN20070702_160542_000000442059_00298_27907_5972.N1 | 02-JUL-2007 16:05:42 | Straylight | 43.500 | 148 | Alp Tuc | 2.8780 | 4100.0 | 87 | 27907 | No |
| 168 | GOM_NL__2PRFIN20070702_161002_000000432059_00298_27907_5973.N1 | 02-JUL-2007 16:10:02 | Straylight | 43.000 | 45 | Alp Pav | 1.9400 | 26000. | 86 | 27907 | No |
| 169 | GOM_NL__2PRFIN20070702_161703_000000422059_00298_27907_5974.N1 | 02-JUL-2007 16:17:03 | Twi_and_stray | 41.500 | 40 | The Sco | 1.8590 | 7100.0 | 83 | 27907 | No |
| 170 | GOM_NL__2PRFIN20070702_161842_000000422059_00298_27907_5975.N1 | 02-JUL-2007 16:18:42 | Twi_and_stray | 41.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 83 | 27907 | No |
| 171 | GOM_NL__2PRFIN20070702_162007_000000442059_00298_27907_5976.N1 | 02-JUL-2007 16:20:07 | Bright | 43.500 | 116 | 19Del Sgr | 2.7000 | 4100.0 | 87 | 27907 | No |
| 172 | GOM_NL__2PRFIN20070702_162453_000000362059_00298_27907_5977.N1 | 02-JUL-2007 16:24:53 | Bright | 35.500 | 86 | 35Eta Oph | 2.4300 | 10200. | 71 | 27907 | No |
| 173 | GOM_NL__2PRFIN20070702_163030_000000372059_00298_27907_5978.N1 | 02-JUL-2007 16:30:30 | Bright | 36.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 73 | 27907 | No |
| 174 | GOM_NL__2PRFIN20070702_163249_000000392059_00298_27907_5979.N1 | 02-JUL-2007 16:32:49 | Bright | 38.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 77 | 27907 | No |
| 175 | GOM_NL__2PRFIN20070702_163534_000000372059_00298_27907_5980.N1 | 02-JUL-2007 16:35:34 | Bright | 36.500 | 127 | 27Bet Her | 2.7810 | 4700.0 | 73 | 27907 | No |
| 176 | GOM_NL__2PRFIN20070702_163817_000000342059_00298_27907_5981.N1 | 02-JUL-2007 16:38:17 | Bright | 34.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 68 | 27907 | No |
| 177 | GOM_NL__2PRFIN20070702_164414_000000382059_00298_27907_5982.N1 | 02-JUL-2007 16:44:14 | Bright | 37.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 75 | 27907 | No |
| 178 | GOM_NL__2PRFIN20070702_164641_000000352059_00298_27907_5983.N1 | 02-JUL-2007 16:46:41 | Bright | 35.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 70 | 27907 | No |
| 179 | GOM_NL__2PRFIN20070702_165042_000000372059_00298_27907_5984.N1 | 02-JUL-2007 16:50:42 | Bright | 36.500 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 73 | 27907 | No |
| 180 | GOM_NL__2PRFIN20070702_165453_000000362059_00298_27907_5985.N1 | 02-JUL-2007 16:54:53 | Bright | 35.500 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 71 | 27907 | No |
| 181 | GOM_NL__2PRFIN20070702_170618_000000412059_00298_27907_5986.N1 | 02-JUL-2007 17:06:18 | Bright | 41.000 | 35 | 33Alp Per | 1.7950 | 6250.0 | 82 | 27907 | No |
| 182 | GOM_NL__2PRFIN20070702_171350_000000392059_00298_27907_5987.N1 | 02-JUL-2007 17:13:50 | Twilight | 38.500 | 146 | 25Eta Tau | 2.8730 | 15200. | 77 | 27907 | No |
| 183 | GOM_NL__2PRFIN20070702_172414_000000362059_00298_27907_5988.N1 | 02-JUL-2007 17:24:14 | Dark | 36.000 | 165 | 34Gam Eri | 2.9500 | 3200.0 | 72 | 27907 | No |
| 184 | GOM_NL__2PRFIN20070702_173849_000000512059_00299_27908_5982.N1 | 02-JUL-2007 17:38:49 | Dark | 50.500 | 9 | Alp Eri | 0.45300 | 24000. | 101 | 27908 | No |
| 185 | GOM_NL__2PRFIN20070702_174618_000000442059_00299_27908_5983.N1 | 02-JUL-2007 17:46:18 | Straylight | 43.500 | 148 | Alp Tuc | 2.8780 | 4100.0 | 87 | 27908 | No |
| 186 | GOM_NL__2PRFIN20070702_175038_000000402059_00299_27908_5984.N1 | 02-JUL-2007 17:50:38 | Straylight | 39.500 | 45 | Alp Pav | 1.9400 | 26000. | 79 | 27908 | No |
| 187 | GOM_NL__2PRFIN20070702_175739_000000462059_00299_27908_5985.N1 | 02-JUL-2007 17:57:39 | Twi_and_stray | 46.000 | 40 | The Sco | 1.8590 | 7100.0 | 92 | 27908 | No |
| 188 | GOM_NL__2PRFIN20070702_175919_000000422059_00299_27908_5986.N1 | 02-JUL-2007 17:59:19 | Twi_and_stray | 41.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 83 | 27908 | No |
| 189 | GOM_NL__2PRFIN20070702_180044_000000482059_00299_27908_5987.N1 | 02-JUL-2007 18:00:44 | Bright | 47.500 | 116 | 19Del Sgr | 2.7000 | 4100.0 | 95 | 27908 | No |
| 190 | GOM_NL__2PRFIN20070702_180530_000000372059_00299_27908_5988.N1 | 02-JUL-2007 18:05:30 | Bright | 37.000 | 86 | 35Eta Oph | 2.4300 | 10200. | 74 | 27908 | No |
| 191 | GOM_NL__2PRFIN20070702_181106_000000372059_00299_27908_5989.N1 | 02-JUL-2007 18:11:06 | Bright | 37.000 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 74 | 27908 | No |
| 192 | GOM_NL__2PRFIN20070702_181325_000000382059_00299_27908_5990.N1 | 02-JUL-2007 18:13:25 | Bright | 37.500 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 75 | 27908 | No |
| 193 | GOM_NL__2PRFIN20070702_181610_000000362059_00299_27908_5991.N1 | 02-JUL-2007 18:16:10 | Bright | 35.500 | 127 | 27Bet Her | 2.7810 | 4700.0 | 71 | 27908 | No |
| 194 | GOM_NL__2PRFIN20070702_181853_000000372059_00299_27908_5992.N1 | 02-JUL-2007 18:18:53 | Bright | 37.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 74 | 27908 | No |
| 195 | GOM_NL__2PRFIN20070702_182450_000000382059_00299_27908_5993.N1 | 02-JUL-2007 18:24:50 | Bright | 37.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 75 | 27908 | No |
| 196 | GOM_NL__2PRFIN20070702_182717_000000372059_00299_27908_5994.N1 | 02-JUL-2007 18:27:17 | Bright | 36.500 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 73 | 27908 | No |
| 197 | GOM_NL__2PRFIN20070702_183118_000000362059_00299_27908_5995.N1 | 02-JUL-2007 18:31:18 | Bright | 36.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 72 | 27908 | No |
| 198 | GOM_NL__2PRFIN20070702_183529_000000372059_00299_27908_5996.N1 | 02-JUL-2007 18:35:29 | Bright | 37.000 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 74 | 27908 | No |
| 199 | GOM_NL__2PRFIN20070702_184654_000000452059_00299_27908_5997.N1 | 02-JUL-2007 18:46:54 | Bright | 44.500 | 35 | 33Alp Per | 1.7950 | 6250.0 | 89 | 27908 | No |
| 200 | GOM_NL__2PRFIN20070702_185426_000000402059_00299_27908_5998.N1 | 02-JUL-2007 18:54:26 | Twilight | 39.500 | 146 | 25Eta Tau | 2.8730 | 15200. | 79 | 27908 | No |
| 201 | GOM_NL__2PRFIN20070702_190450_000000402059_00299_27908_5999.N1 | 02-JUL-2007 19:04:50 | Dark | 40.000 | 165 | 34Gam Eri | 2.9500 | 3200.0 | 80 | 27908 | No |
| 202 | GOM_NL__2PRFIN20070702_191926_000000392059_00300_27909_6005.N1 | 02-JUL-2007 19:19:26 | Dark | 39.000 | 9 | Alp Eri | 0.45300 | 24000. | 78 | 27909 | No |
| 203 | GOM_NL__2PRFIN20070702_192655_000000422059_00300_27909_6006.N1 | 02-JUL-2007 19:26:55 | Straylight | 41.500 | 148 | Alp Tuc | 2.8780 | 4100.0 | 83 | 27909 | No |
| 204 | GOM_NL__2PRFIN20070702_210002_000000492059_00301_27910_6021.N1 | 02-JUL-2007 21:00:02 | Dark | 48.500 | 9 | Alp Eri | 0.45300 | 24000. | 97 | 27910 | No |
| 205 | GOM_NL__2PRFIN20070702_210731_000000422059_00301_27910_6022.N1 | 02-JUL-2007 21:07:31 | Straylight | 41.500 | 148 | Alp Tuc | 2.8780 | 4100.0 | 83 | 27910 | No |
| 206 | GOM_NL__2PRFIN20070702_211151_000000412059_00301_27910_6023.N1 | 02-JUL-2007 21:11:51 | Straylight | 41.000 | 45 | Alp Pav | 1.9400 | 26000. | 82 | 27910 | No |
| 207 | GOM_NL__2PRFIN20070702_211851_000000412059_00301_27910_6024.N1 | 02-JUL-2007 21:18:51 | Twi_and_stray | 40.500 | 40 | The Sco | 1.8590 | 7100.0 | 81 | 27910 | No |
| 208 | GOM_NL__2PRFIN20070702_212031_000000412059_00301_27910_6025.N1 | 02-JUL-2007 21:20:31 | Twi_and_stray | 40.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 81 | 27910 | No |
| 209 | GOM_NL__2PRFIN20070702_212156_000000442059_00301_27910_6026.N1 | 02-JUL-2007 21:21:56 | Bright | 43.500 | 116 | 19Del Sgr | 2.7000 | 4100.0 | 87 | 27910 | No |
| 210 | GOM_NL__2PRFIN20070702_212642_000000372059_00301_27910_6027.N1 | 02-JUL-2007 21:26:42 | Bright | 36.500 | 86 | 35Eta Oph | 2.4300 | 10200. | 73 | 27910 | No |
| 211 | GOM_NL__2PRFIN20070702_213217_000000372059_00301_27910_6028.N1 | 02-JUL-2007 21:32:17 | Bright | 36.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 73 | 27910 | No |
| 212 | GOM_NL__2PRFIN20070702_213437_000000362059_00301_27910_6029.N1 | 02-JUL-2007 21:34:37 | Bright | 36.000 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 72 | 27910 | No |
| 213 | GOM_NL__2PRFIN20070702_213722_000000372059_00301_27910_6030.N1 | 02-JUL-2007 21:37:22 | Bright | 37.000 | 127 | 27Bet Her | 2.7810 | 4700.0 | 74 | 27910 | No |
| 214 | GOM_NL__2PRFIN20070702_214005_000000362059_00301_27910_6031.N1 | 02-JUL-2007 21:40:05 | Bright | 35.500 | 133 | 40Zet Her | 2.8070 | 6000.0 | 71 | 27910 | No |
| 215 | GOM_NL__2PRFIN20070702_214601_000000372059_00301_27910_6032.N1 | 02-JUL-2007 21:46:01 | Bright | 36.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 73 | 27910 | No |
| 216 | GOM_NL__2PRFIN20070702_214829_000000362059_00301_27910_6033.N1 | 02-JUL-2007 21:48:29 | Bright | 36.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 72 | 27910 | No |
| 217 | GOM_NL__2PRFIN20070702_215230_000000362059_00301_27910_6034.N1 | 02-JUL-2007 21:52:30 | Bright | 36.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 72 | 27910 | No |
| 218 | GOM_NL__2PRFIN20070702_215641_000000342059_00301_27910_6035.N1 | 02-JUL-2007 21:56:41 | Bright | 33.500 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 67 | 27910 | No |
| 219 | GOM_NL__2PRFIN20070702_220806_000000362059_00301_27910_6036.N1 | 02-JUL-2007 22:08:06 | Bright | 36.000 | 35 | 33Alp Per | 1.7950 | 6250.0 | 72 | 27910 | No |

| | | | | | | | | | | | |
|-----|--|----------------------|----------------|--------|-----|-----------|---------|--------|----|-------|----|
| 220 | GOM_NL__2PRFIN20070702_221538_000000412059_00301_27910_6037.N1 | 02-JUL-2007 22:15:38 | Twilight | 40.500 | 146 | 25Eta Tau | 2.8730 | 15200. | 81 | 27910 | No |
| 221 | GOM_NL__2PRFIN20070702_222602_000000422059_00301_27910_6038.N1 | 02-JUL-2007 22:26:02 | Dark | 42.000 | 165 | 34Gam Eri | 2.9500 | 3200.0 | 84 | 27910 | No |
| 222 | GOM_NL__2PRFIN20070702_224038_000000432059_00302_27911_6036.N1 | 02-JUL-2007 22:40:38 | Dark | 43.000 | 9 | Alp Eri | 0.45300 | 24000. | 86 | 27911 | No |
| 223 | GOM_NL__2PRFIN20070702_224808_000000432059_00302_27911_6037.N1 | 02-JUL-2007 22:48:08 | Straylight | 42.500 | 148 | Alp Tuc | 2.8780 | 4100.0 | 85 | 27911 | No |
| 224 | GOM_NL__2PRFIN20070702_225227_000000402059_00302_27911_6038.N1 | 02-JUL-2007 22:52:27 | Straylight | 39.500 | 45 | Alp Pav | 1.9400 | 26000. | 79 | 27911 | No |
| 225 | GOM_NL__2PRFIN20070702_225927_000000402059_00302_27911_6039.N1 | 02-JUL-2007 22:59:27 | Tw_i_and_stray | 39.500 | 40 | The Sco | 1.8590 | 7100.0 | 79 | 27911 | No |
| 226 | GOM_NL__2PRFIN20070702_230107_000000402059_00302_27911_6040.N1 | 02-JUL-2007 23:01:07 | Tw_i_and_stray | 40.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 80 | 27911 | No |
| 227 | GOM_NL__2PRFIN20070702_230232_000000492059_00302_27911_6041.N1 | 02-JUL-2007 23:02:32 | Bright | 49.000 | 116 | 19Del Sgr | 2.7000 | 4100.0 | 98 | 27911 | No |
| 228 | GOM_NL__2PRFIN20070702_230718_000000362059_00302_27911_6042.N1 | 02-JUL-2007 23:07:18 | Bright | 35.500 | 86 | 35Eta Oph | 2.4300 | 10200. | 71 | 27911 | No |
| 229 | GOM_NL__2PRFIN20070702_231253_000000372059_00302_27911_6043.N1 | 02-JUL-2007 23:12:53 | Bright | 36.500 | 126 | 60Bet Oph | 2.7700 | 4250.0 | 73 | 27911 | No |
| 230 | GOM_NL__2PRFIN20070702_231513_000000362059_00302_27911_6044.N1 | 02-JUL-2007 23:15:13 | Bright | 36.000 | 59 | 55Alp Oph | 2.0800 | 8900.0 | 72 | 27911 | No |
| 231 | GOM_NL__2PRFIN20070702_231758_000000372059_00302_27911_6045.N1 | 02-JUL-2007 23:17:58 | Bright | 36.500 | 127 | 27Bet Her | 2.7810 | 4700.0 | 73 | 27911 | No |
| 232 | GOM_NL__2PRFIN20070702_232041_000000332059_00302_27911_6046.N1 | 02-JUL-2007 23:20:41 | Bright | 33.000 | 133 | 40Zet Her | 2.8070 | 6000.0 | 66 | 27911 | No |
| 233 | GOM_NL__2PRFIN20070702_232637_000000382059_00302_27911_6047.N1 | 02-JUL-2007 23:26:37 | Bright | 37.500 | 130 | 23Bet Dra | 2.7990 | 5800.0 | 75 | 27911 | No |
| 234 | GOM_NL__2PRFIN20070702_232905_000000372059_00302_27911_6048.N1 | 02-JUL-2007 23:29:05 | Bright | 36.500 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 73 | 27911 | No |
| 235 | GOM_NL__2PRFIN20070702_233306_000000362059_00302_27911_6049.N1 | 02-JUL-2007 23:33:06 | Bright | 36.000 | 60 | 7Bet UMi | 2.0810 | 3950.0 | 72 | 27911 | No |
| 236 | GOM_NL__2PRFIN20070702_233717_000000332059_00302_27911_6050.N1 | 02-JUL-2007 23:37:17 | Bright | 32.500 | 49 | 1Alp UMi | 1.9900 | 6300.0 | 65 | 27911 | No |
| 237 | GOM_NL__2PRFIN20070702_234842_000000402059_00302_27911_6051.N1 | 02-JUL-2007 23:48:42 | Bright | 40.000 | 35 | 33Alp Per | 1.7950 | 6250.0 | 80 | 27911 | No |
| 238 | GOM_NL__2PRFIN20070702_235615_000000382059_00302_27911_6052.N1 | 02-JUL-2007 23:56:15 | Twilight | 38.000 | 146 | 25Eta Tau | 2.8730 | 15200. | 76 | 27911 | No |

3. Quality information per product

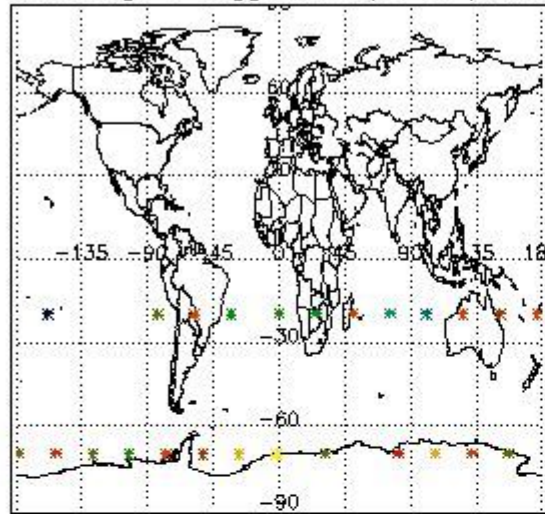
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

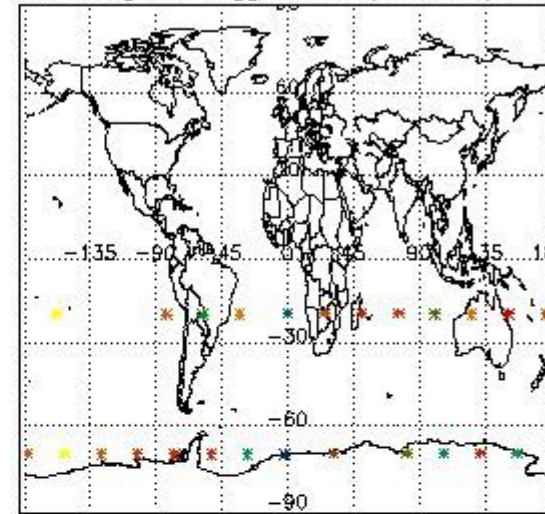


3.2 Plot quality information per product (world map)

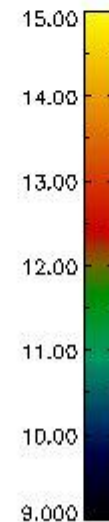
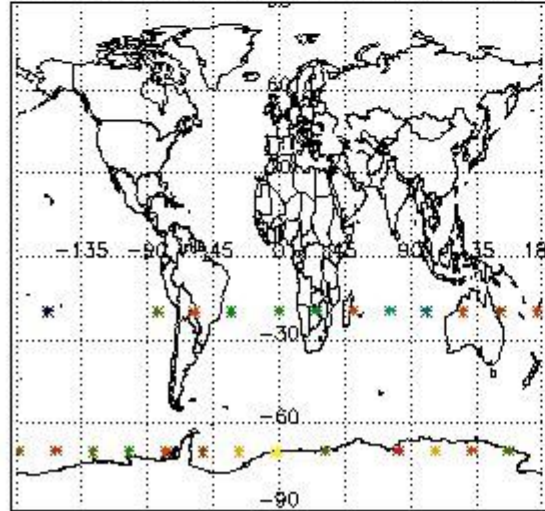
Percentage of flagged data per O3 profile



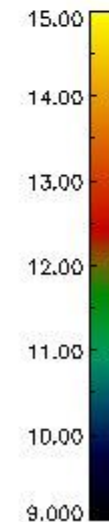
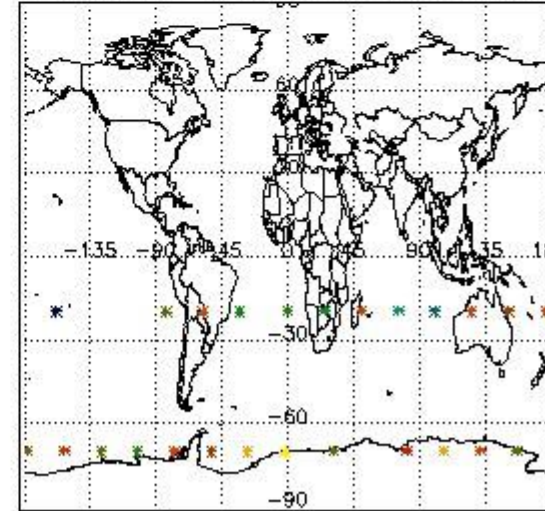
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

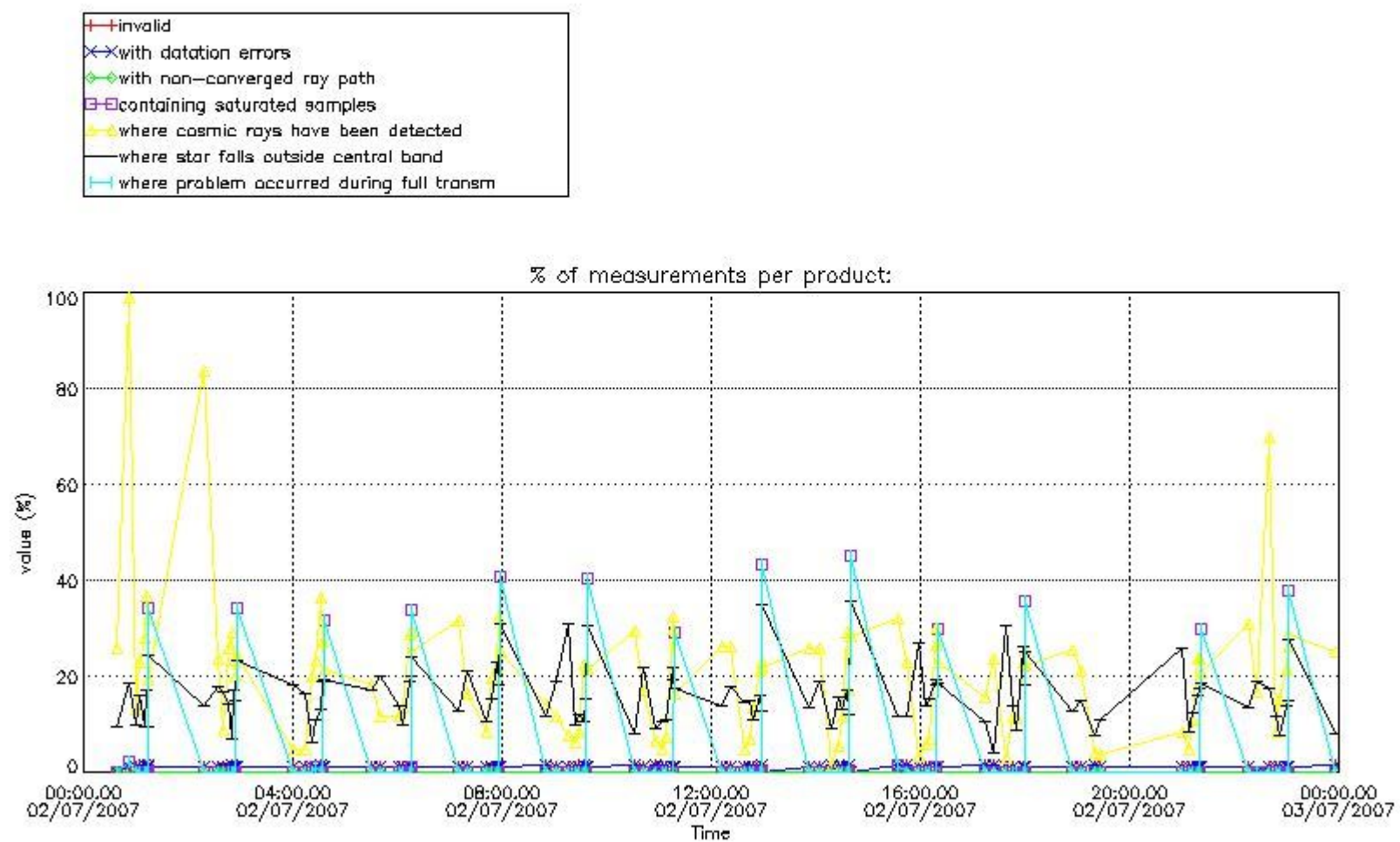


4. Level 1 quality information per product

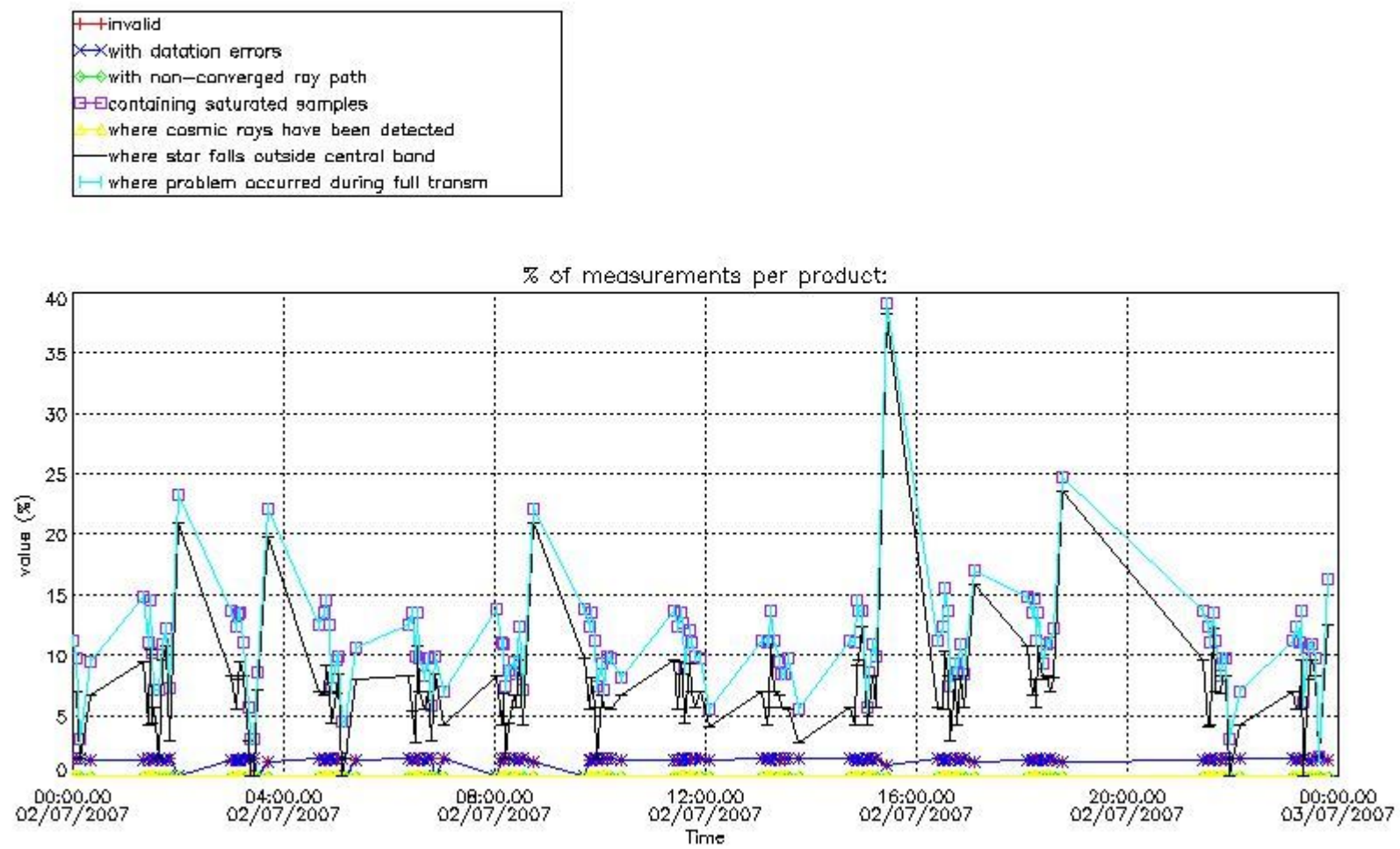
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



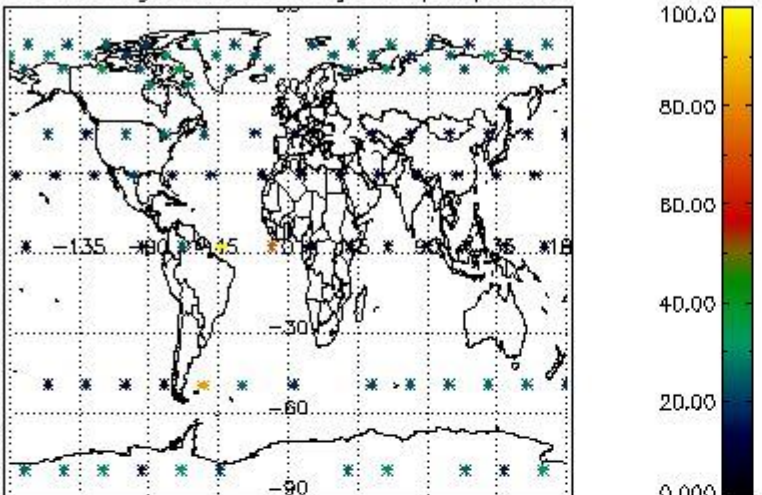
4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



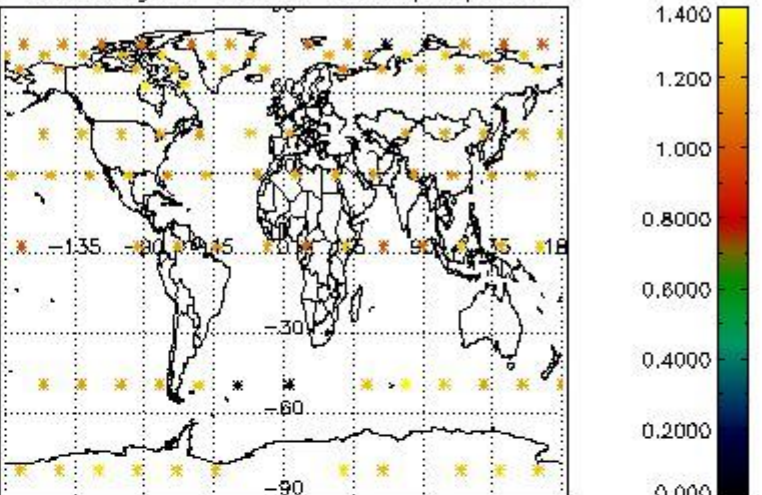
4.2 Plot quality information per product coming from level 1b processing (world map)

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

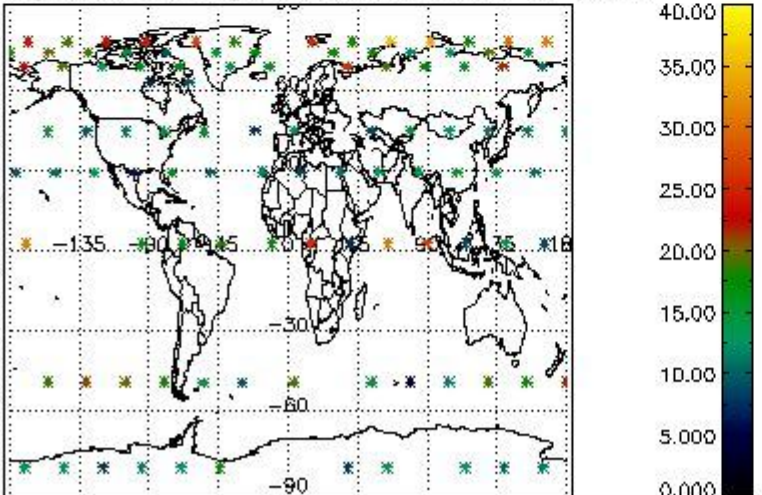
Percentage of cosmic ray hits per profile



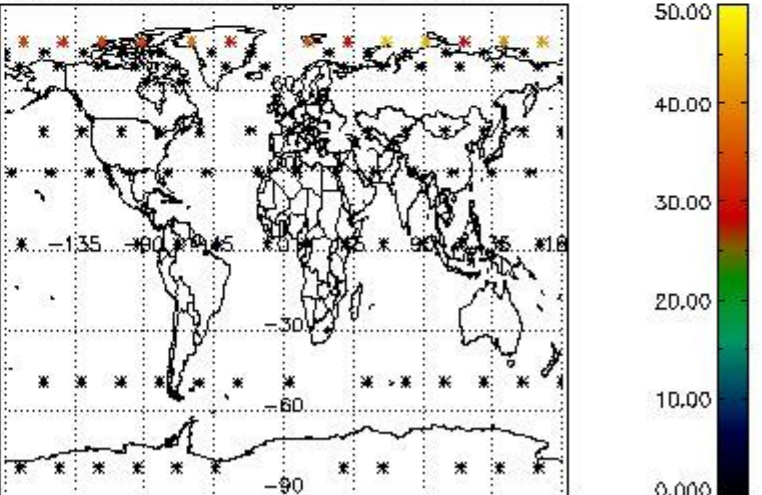
Percentage of datation errors per profile



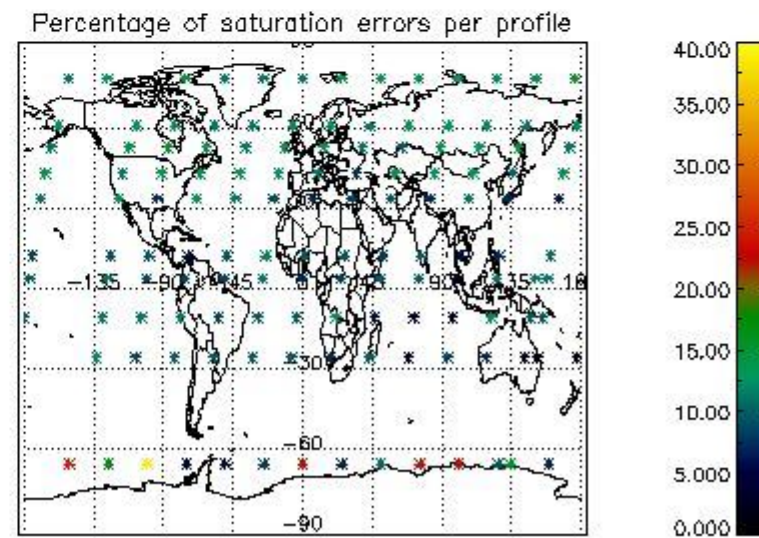
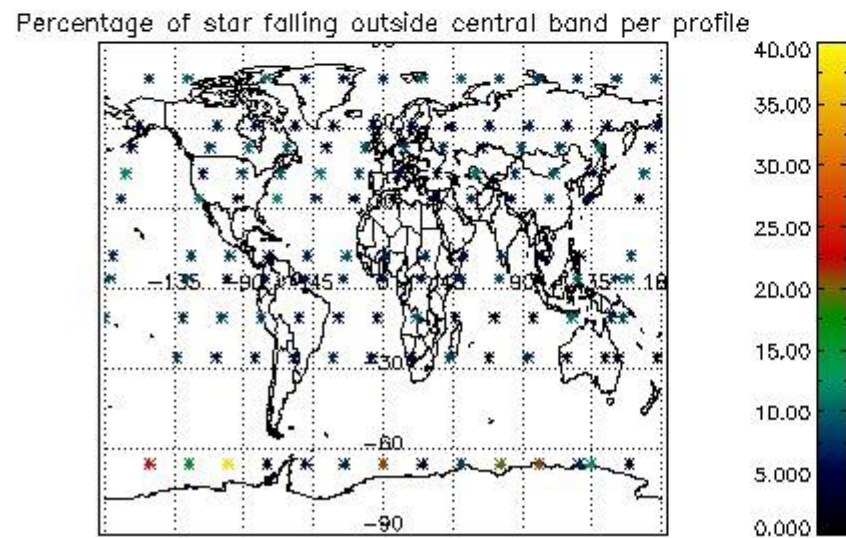
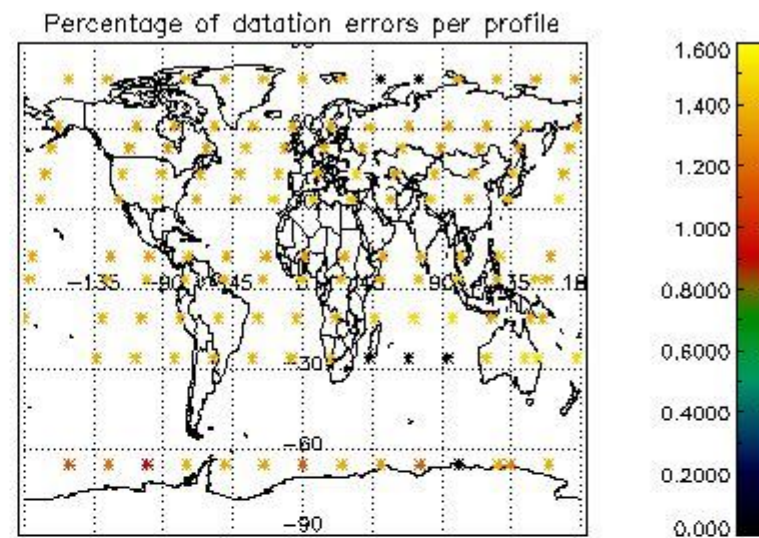
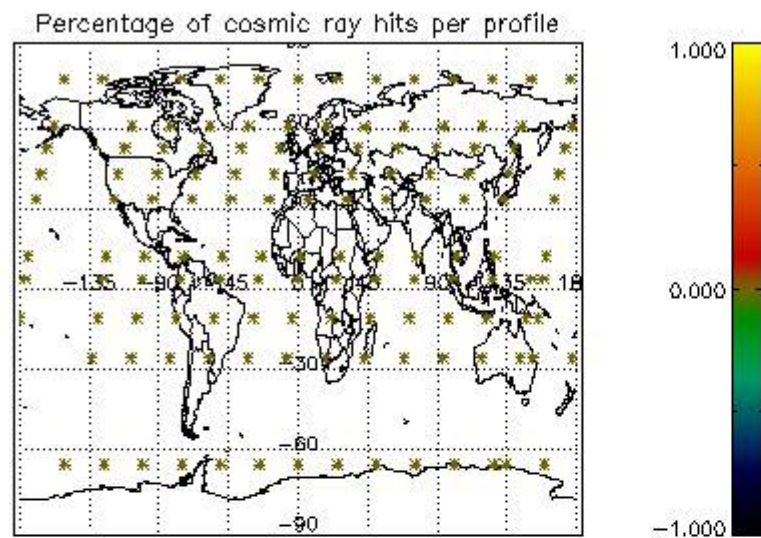
Percentage of star falling outside central band per profile



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

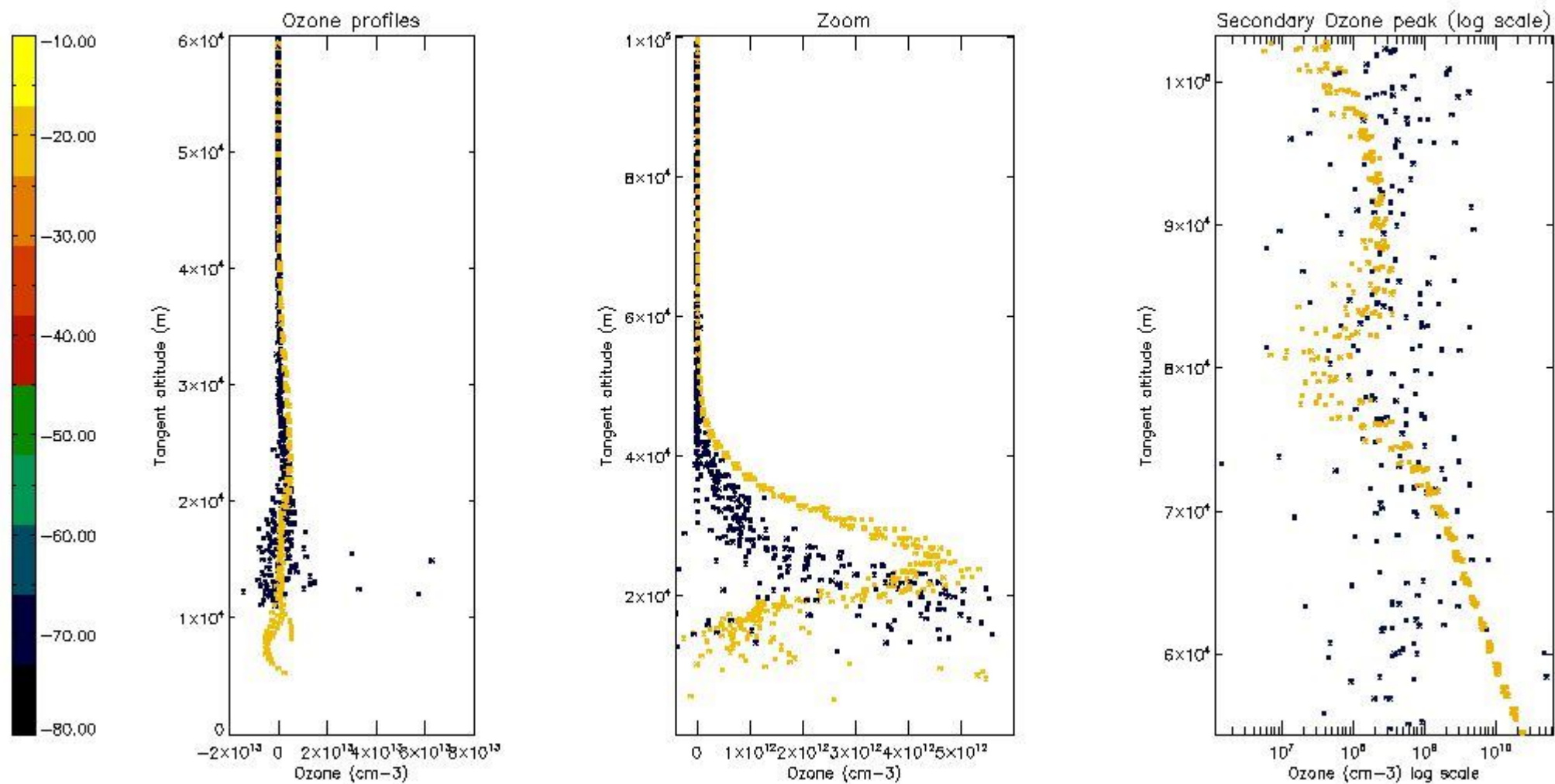
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

| Criteria | % of total production |
|----------|-----------------------|
| All STD | 12 |
| STD < 20 | 5 |

| | |
|----------|---|
| STD < 10 | 4 |
| STD < 5 | 3 |

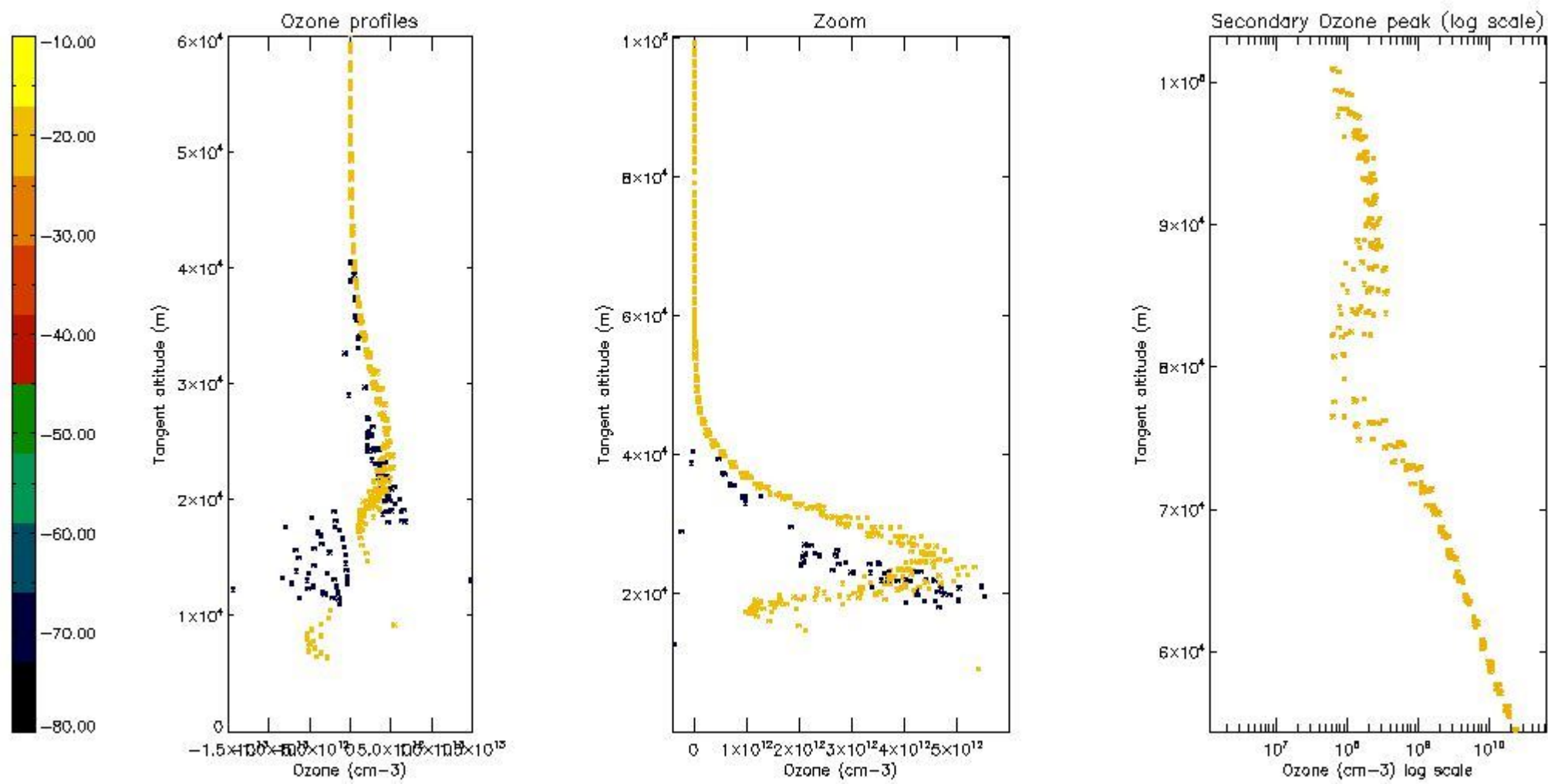
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



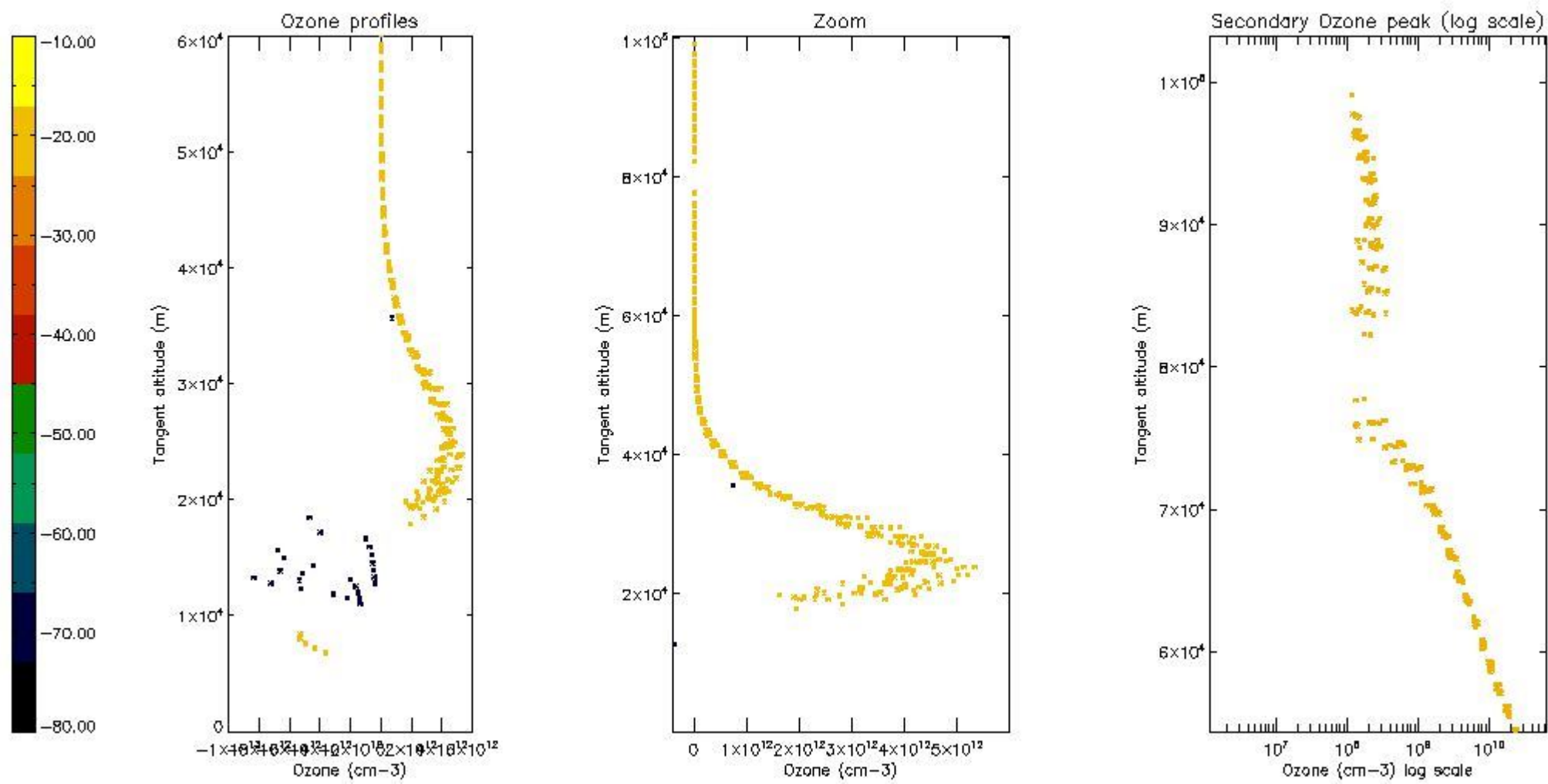
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



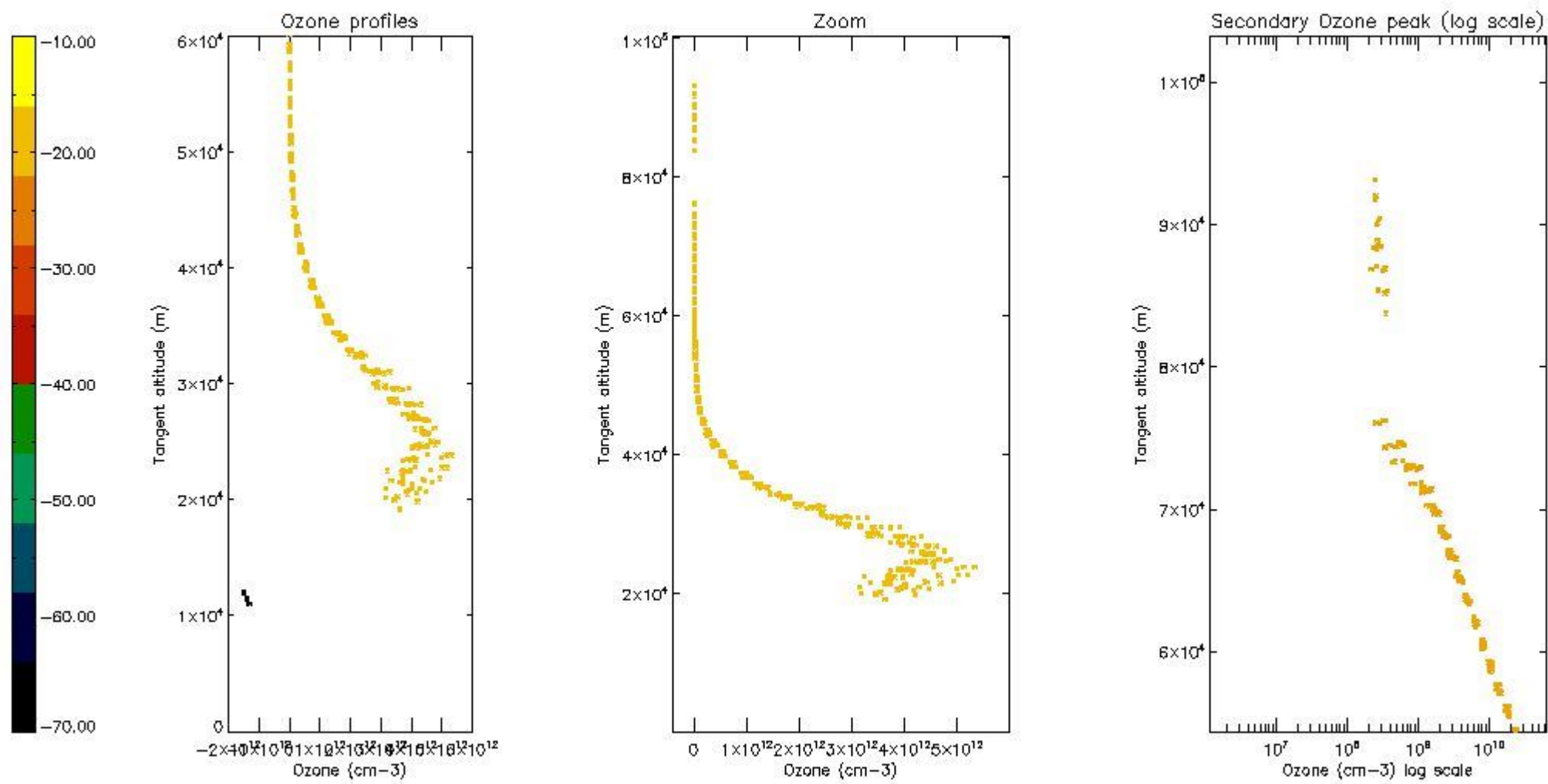
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



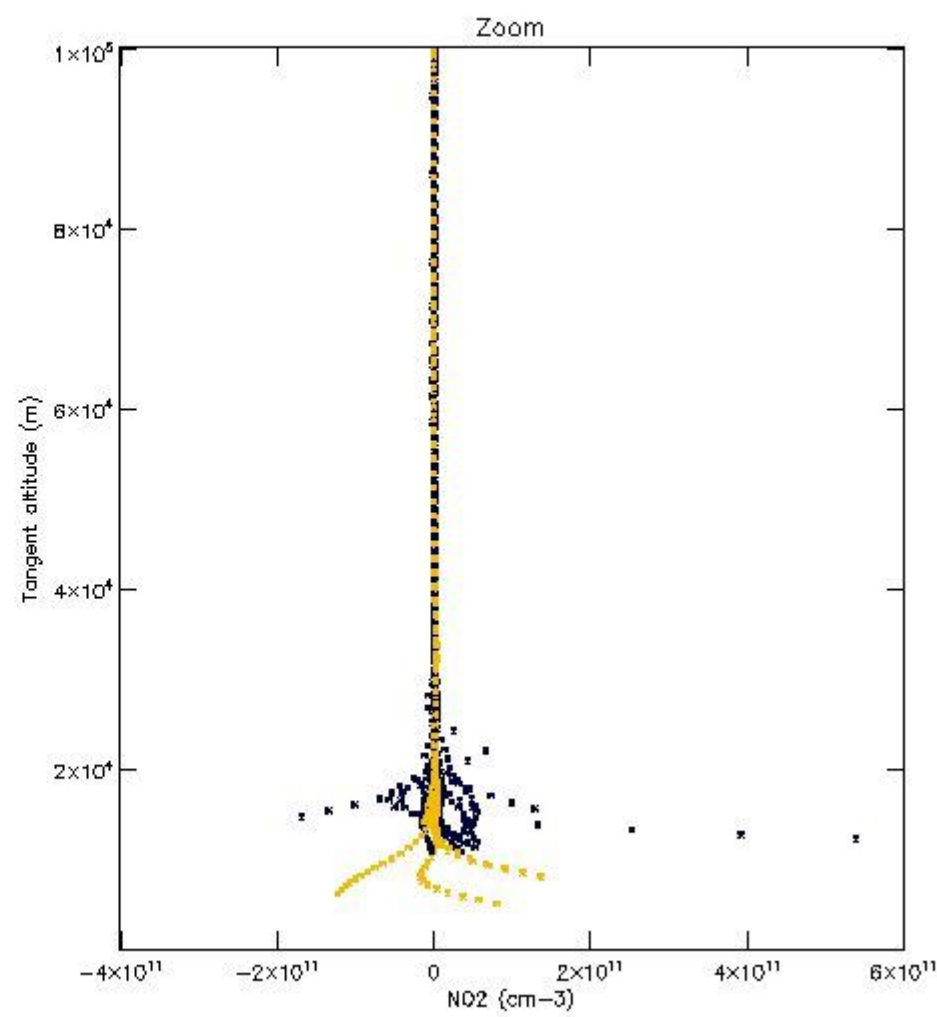
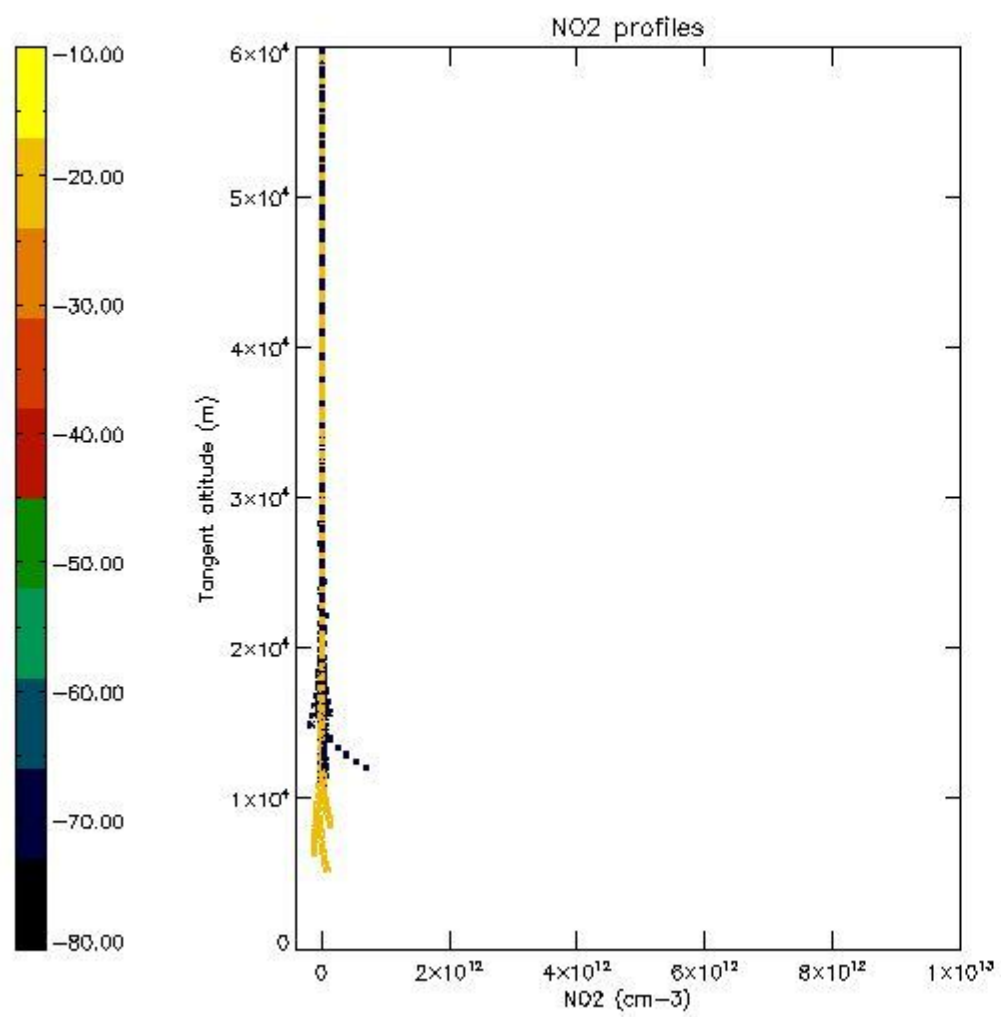
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



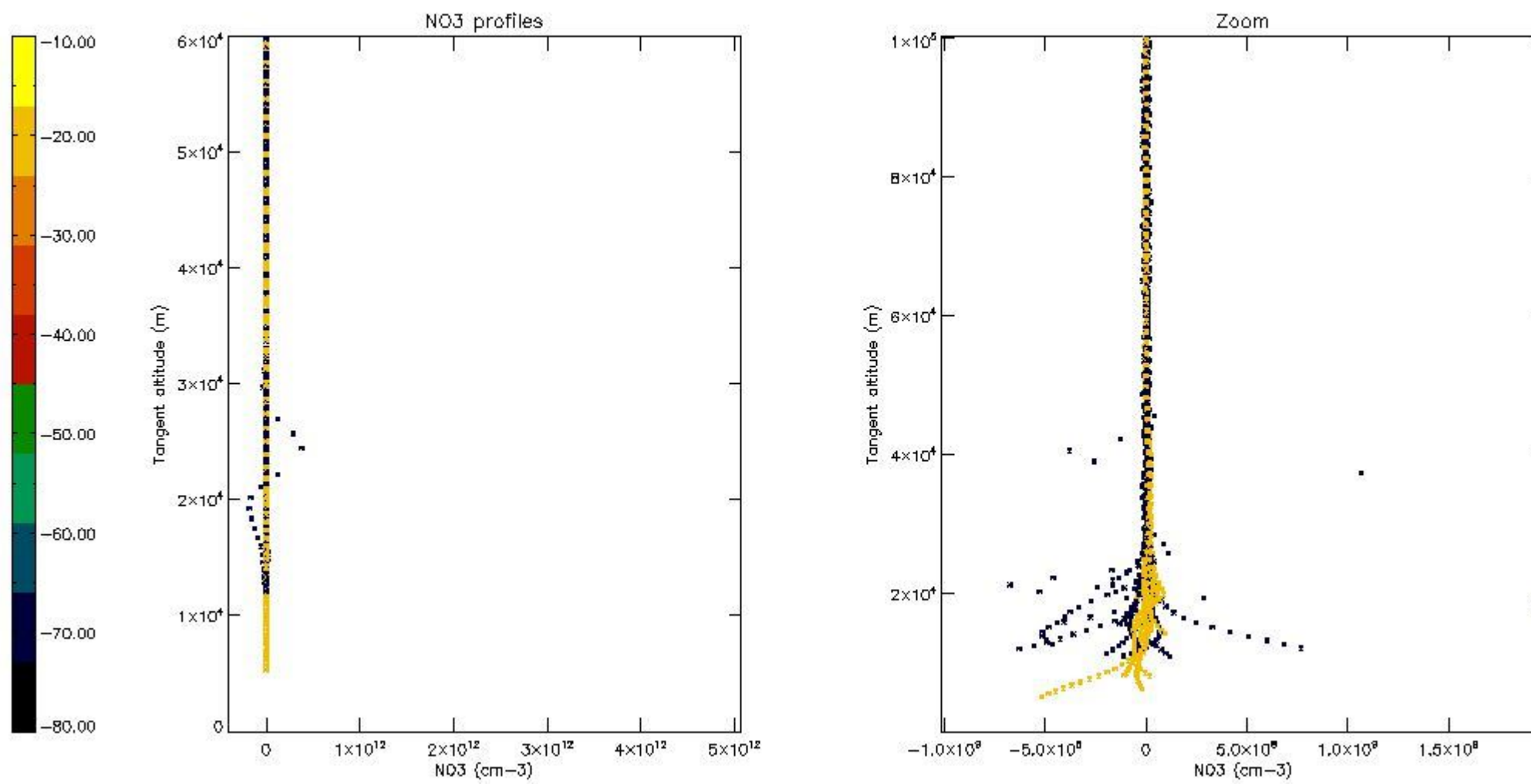
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

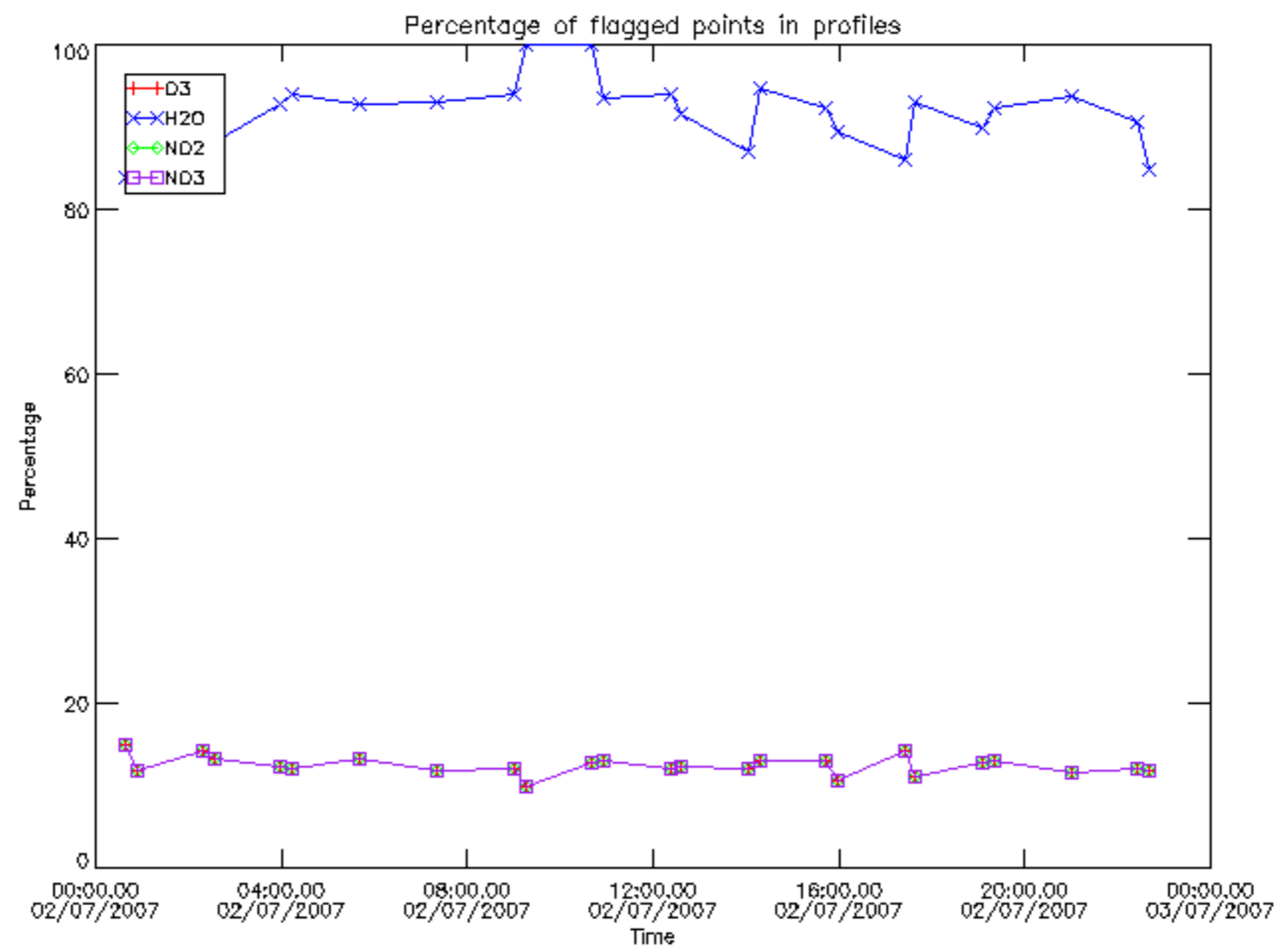
The colorbar represents the latitude.



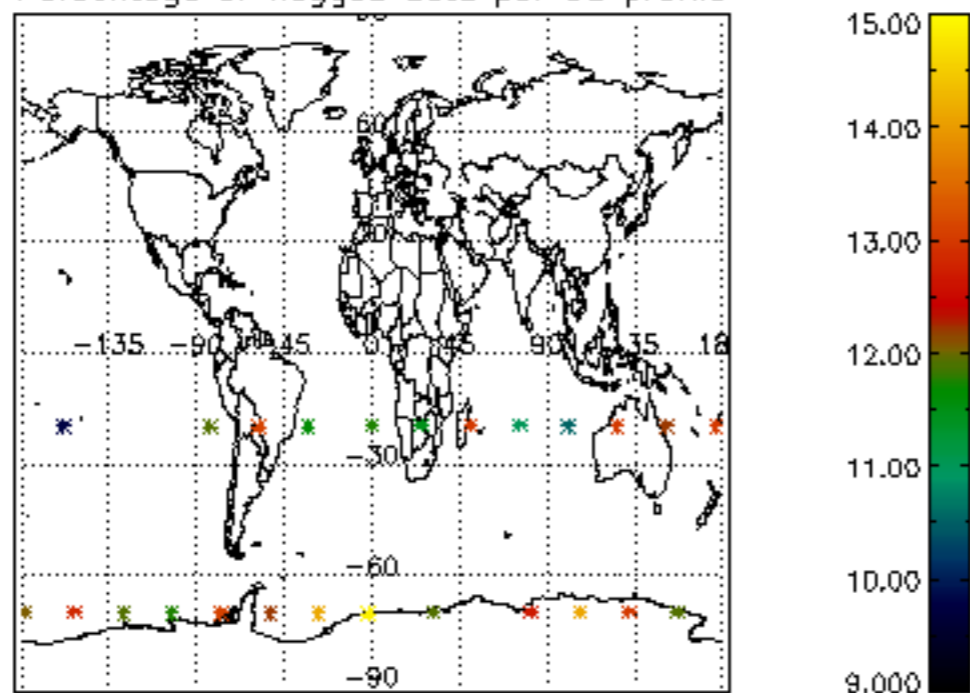
6. Auxiliary Data Files used for the production reported in section 2

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

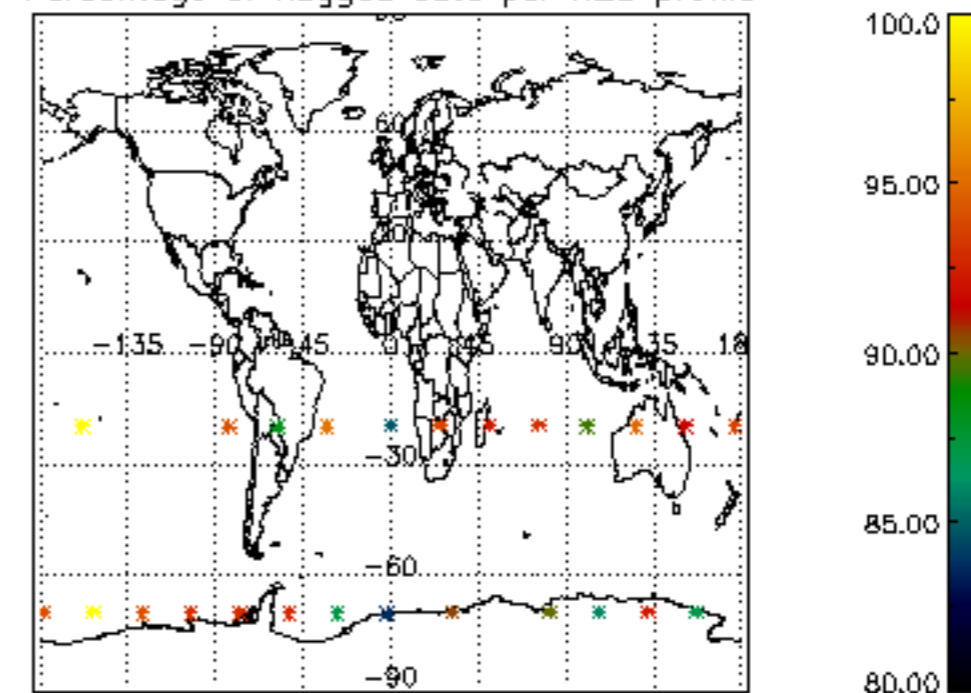
| Type | Auxiliary Filename | Used since product | Used since product date |
|---------------------------|---|--------------------|-------------------------|
| INST_PHYS_CHARACTERISTICS | GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000 | 1 | 02-JUL-2007 00:00:41 |
| LEVEL-2_PROC_CONFIG | GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000 | 1 | 02-JUL-2007 00:00:41 |
| CROSS_SECTIONS_FILE | GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000 | 1 | 02-JUL-2007 00:00:41 |



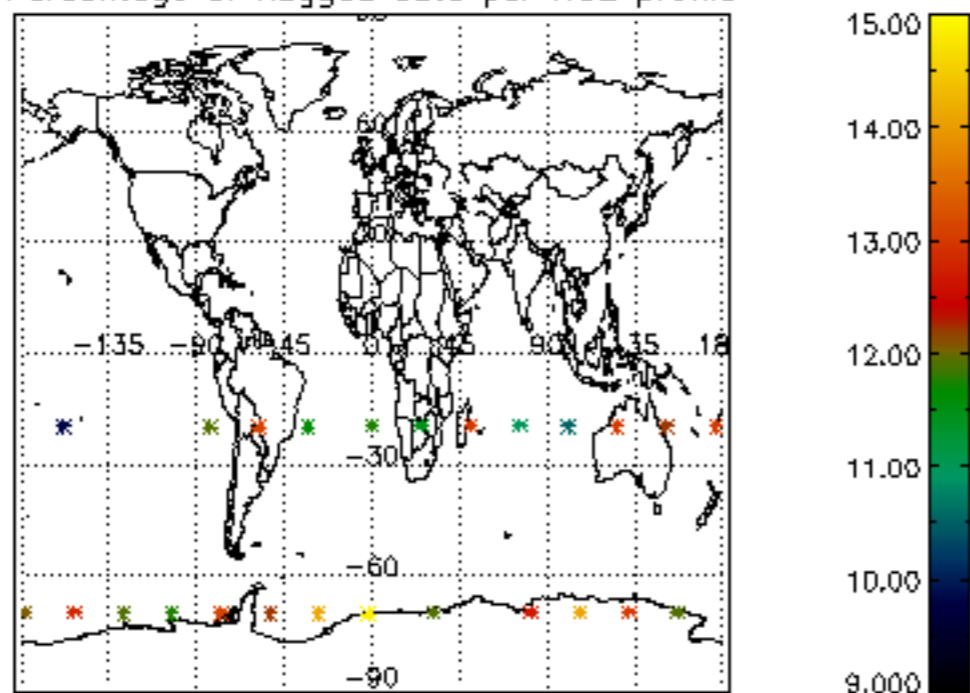
Percentage of flagged data per D3 profile



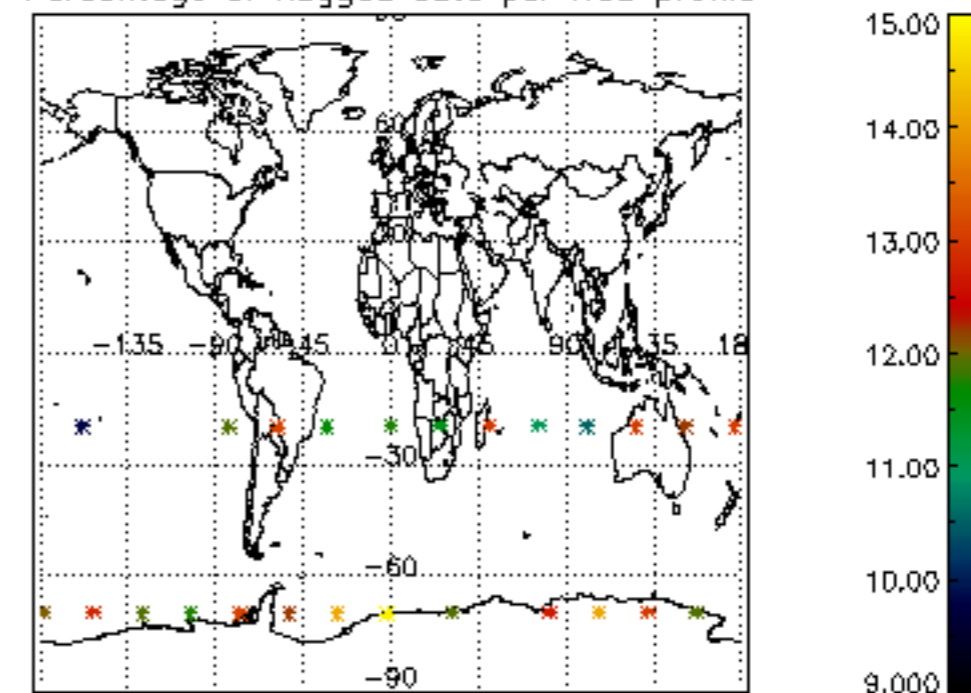
Percentage of flagged data per H2O profile

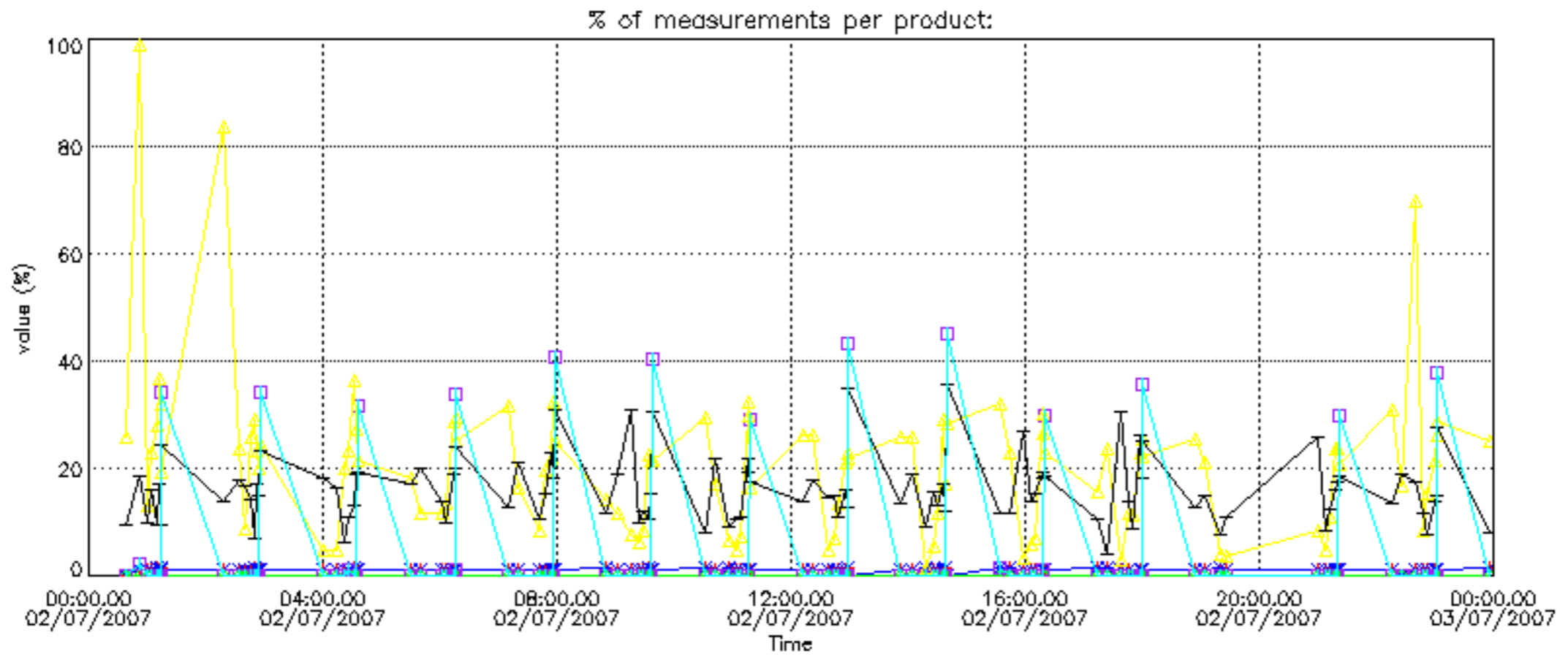


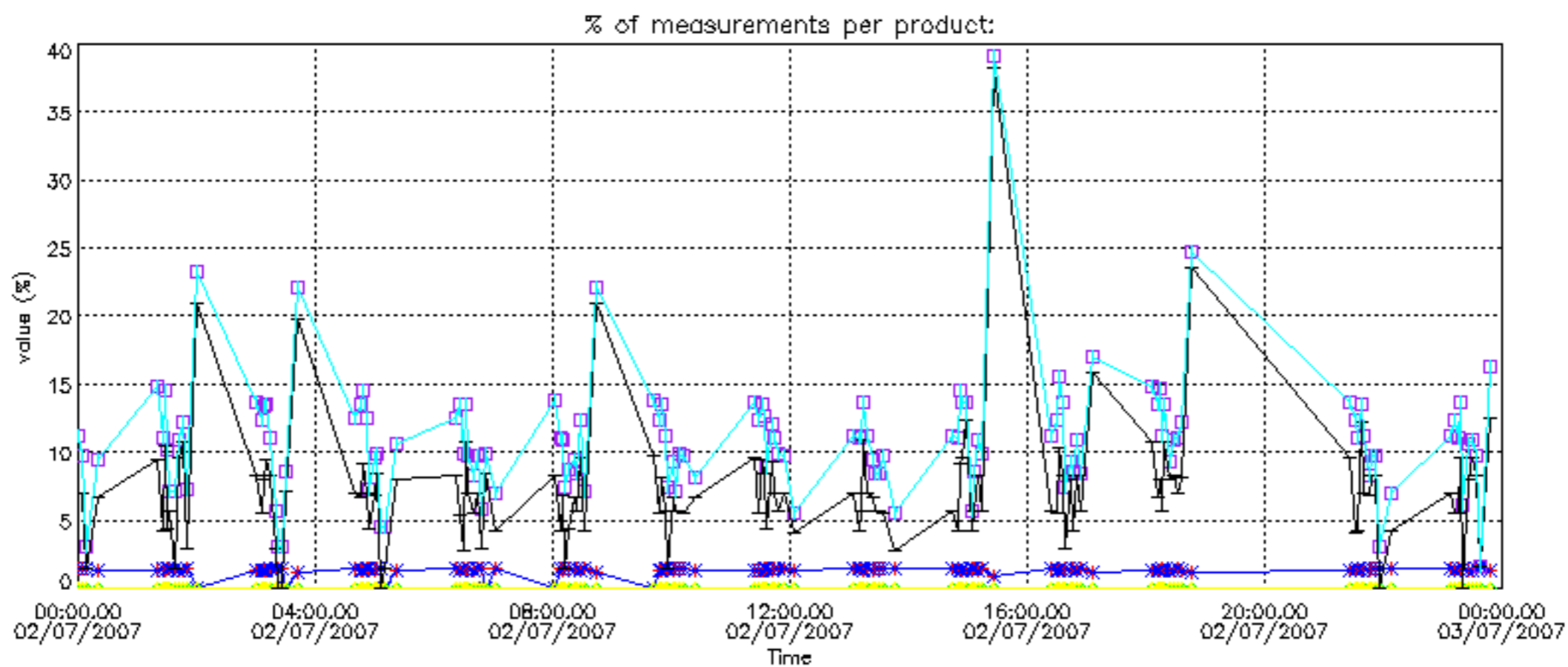
Percentage of flagged data per NO2 profile



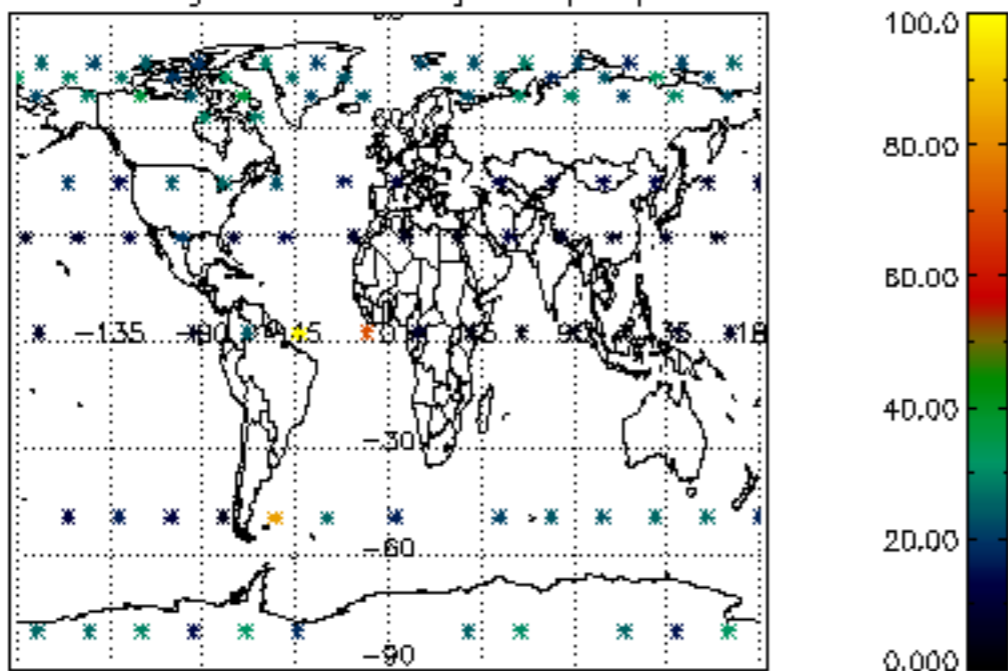
Percentage of flagged data per NO3 profile



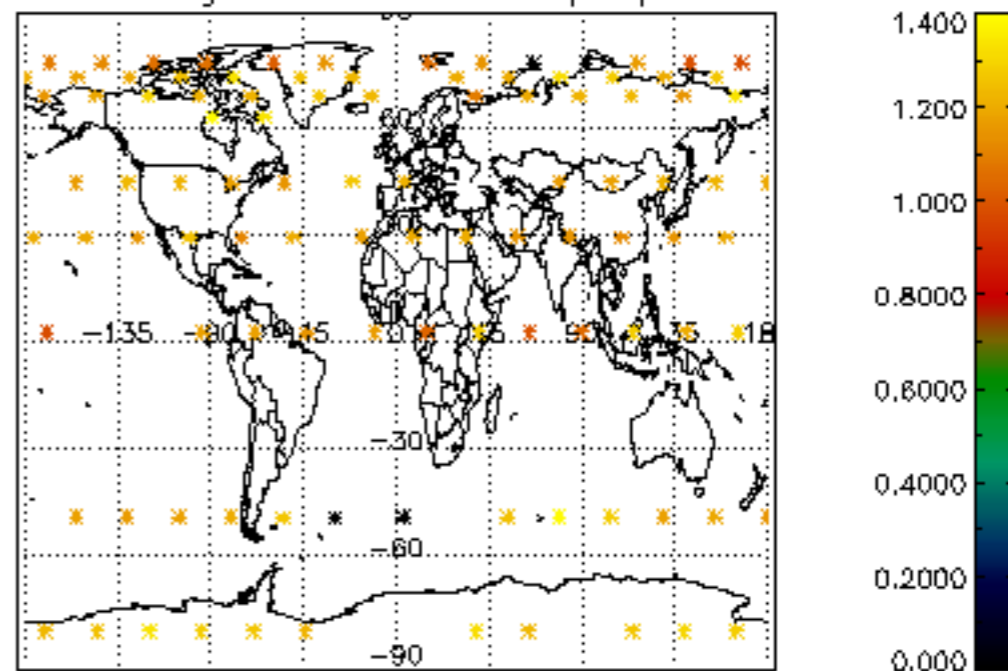




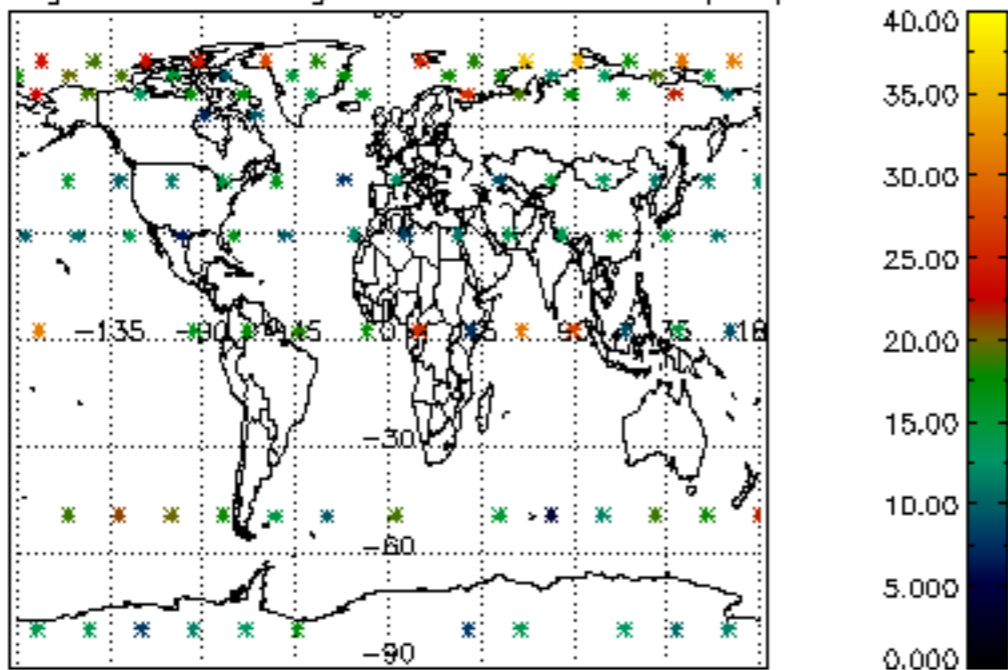
Percentage of cosmic ray hits per profile



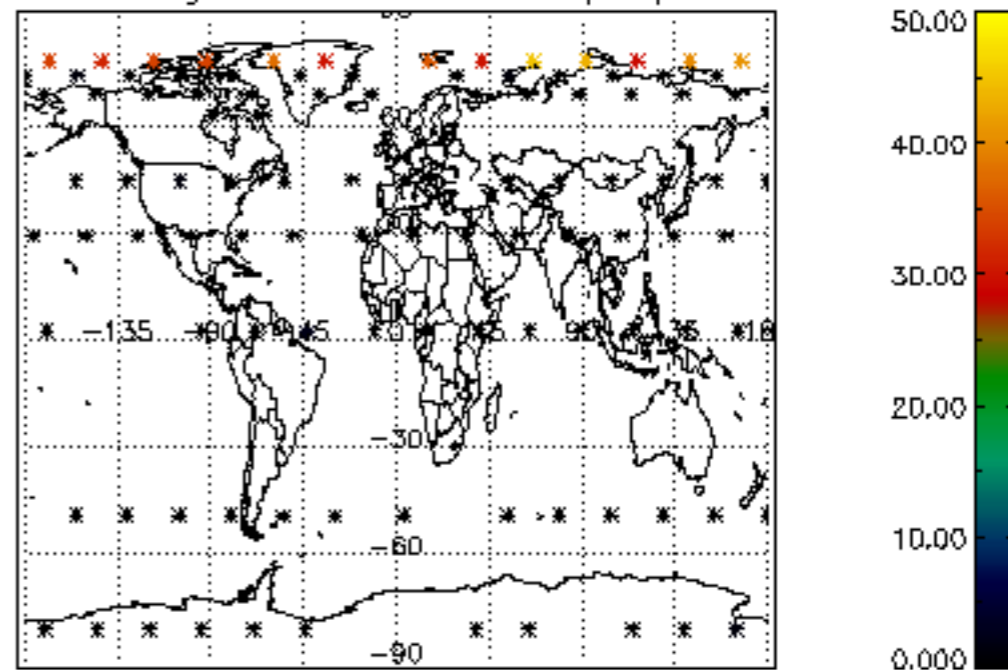
Percentage of datation errors per profile



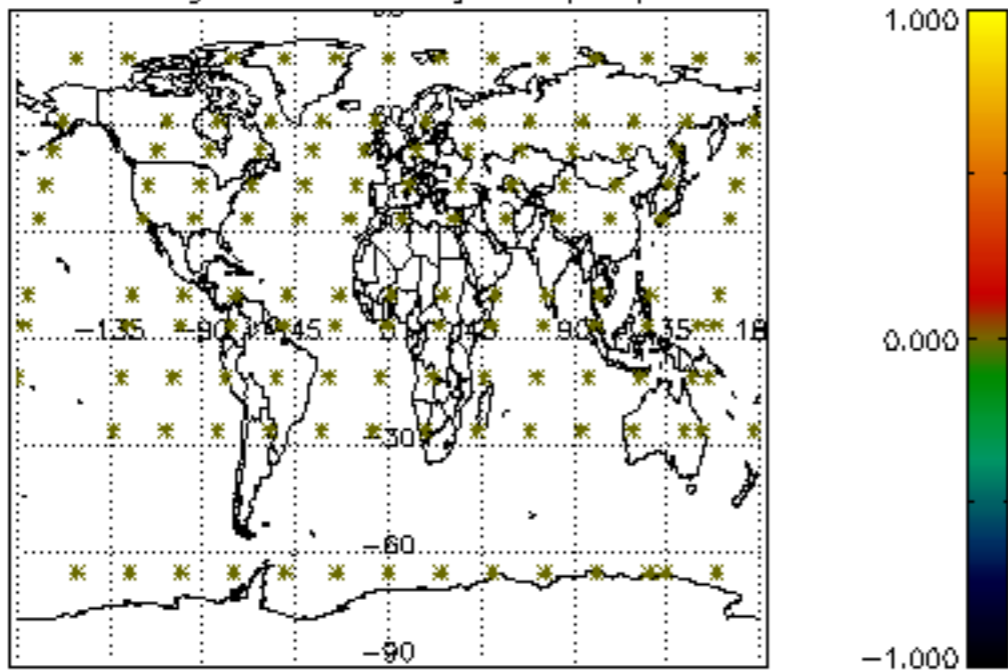
Percentage of star falling outside central band per profile



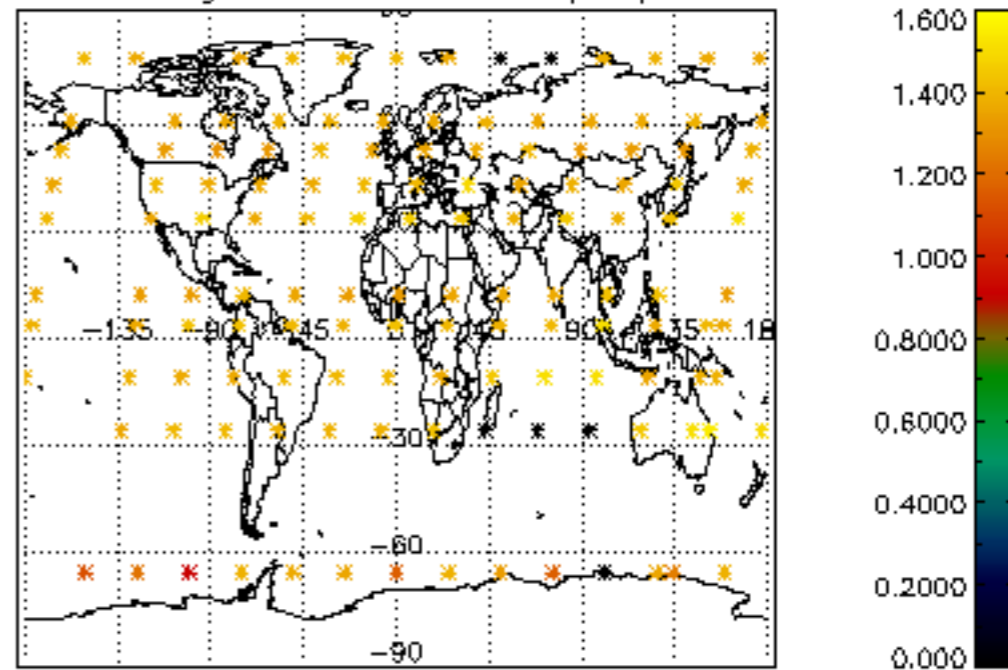
Percentage of saturation errors per profile



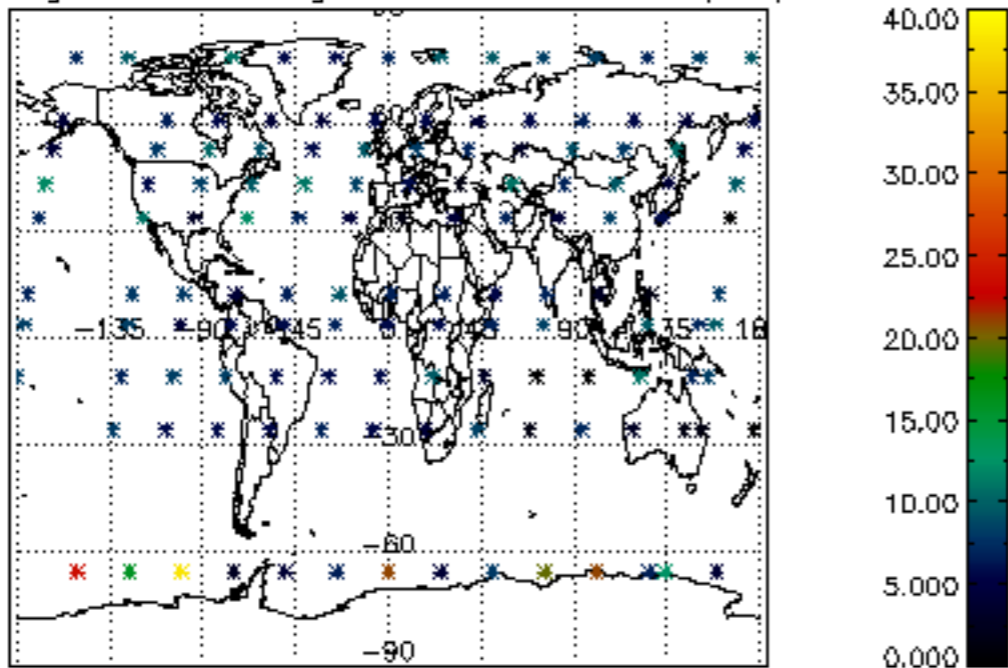
Percentage of cosmic ray hits per profile



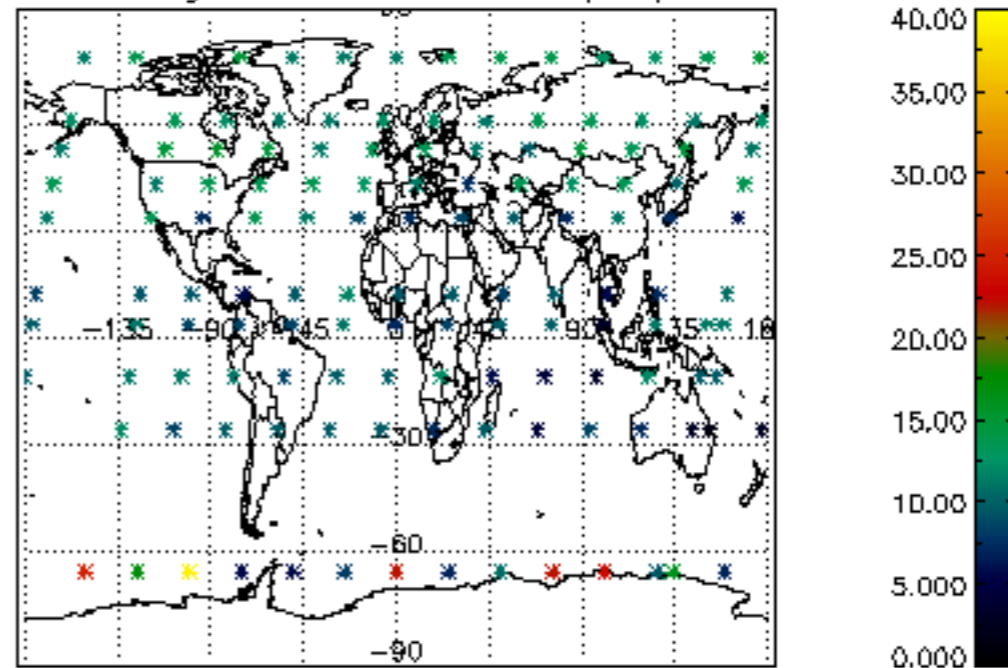
Percentage of datation errors per profile

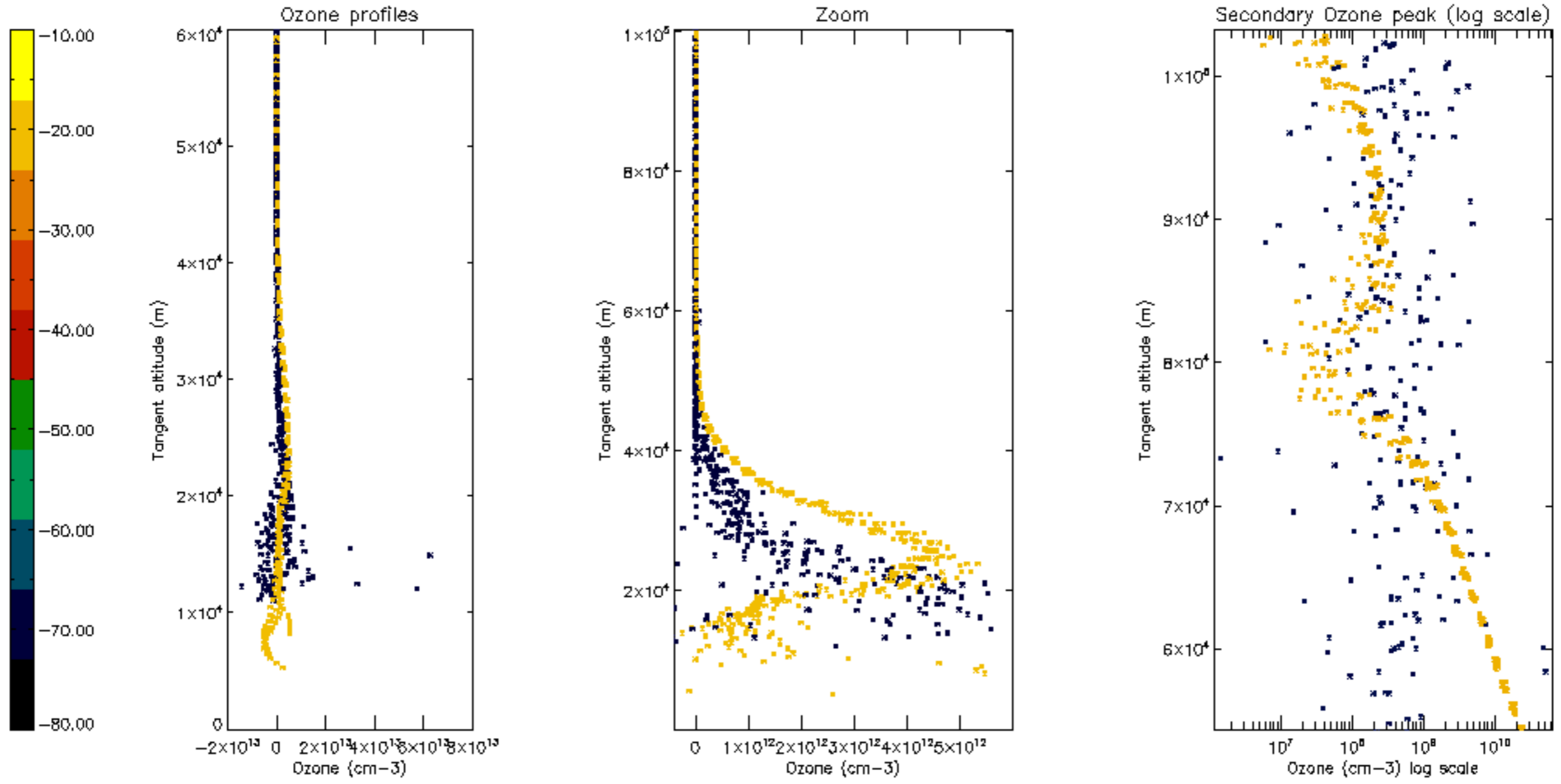


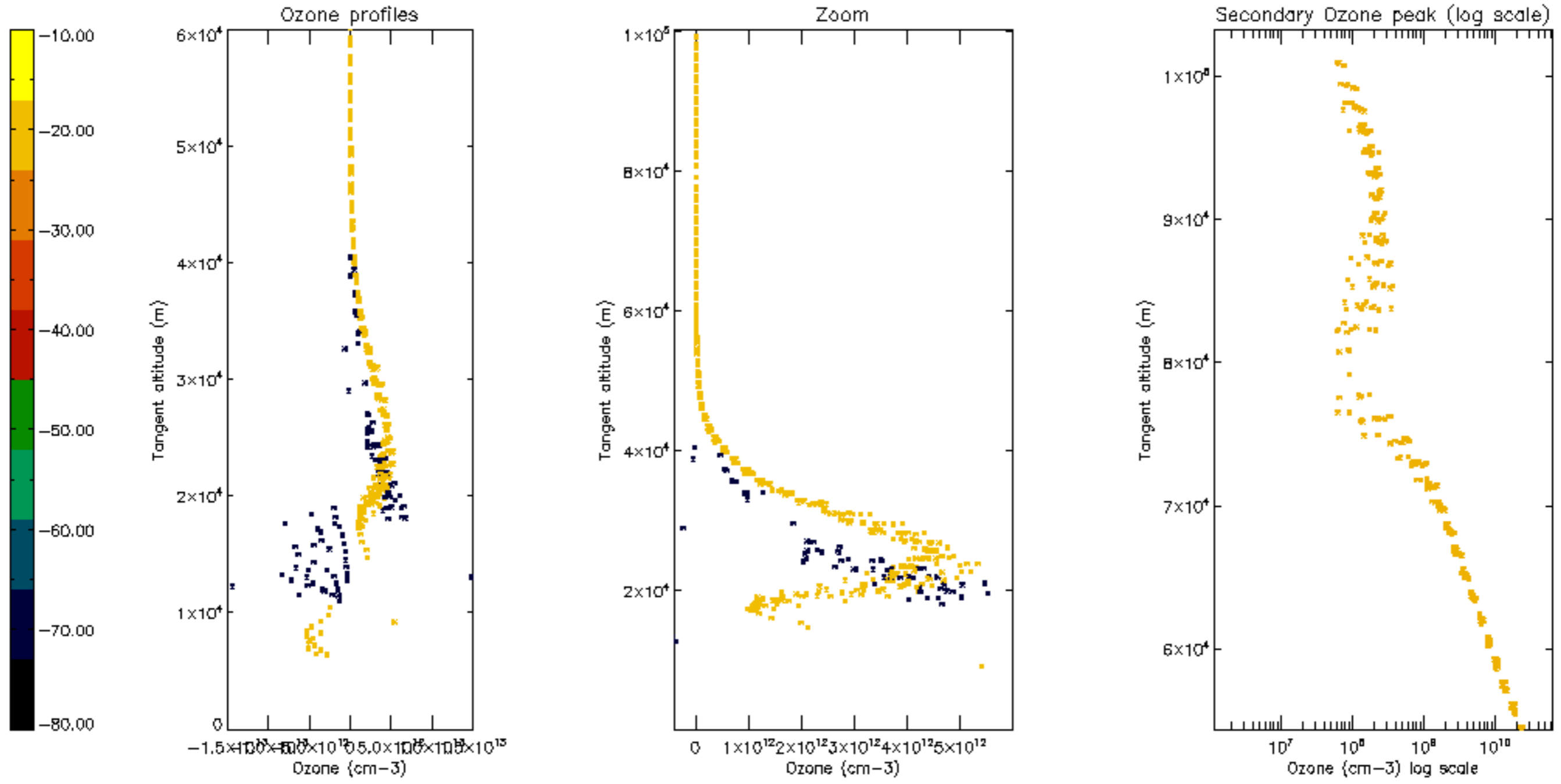
Percentage of star falling outside central band per profile

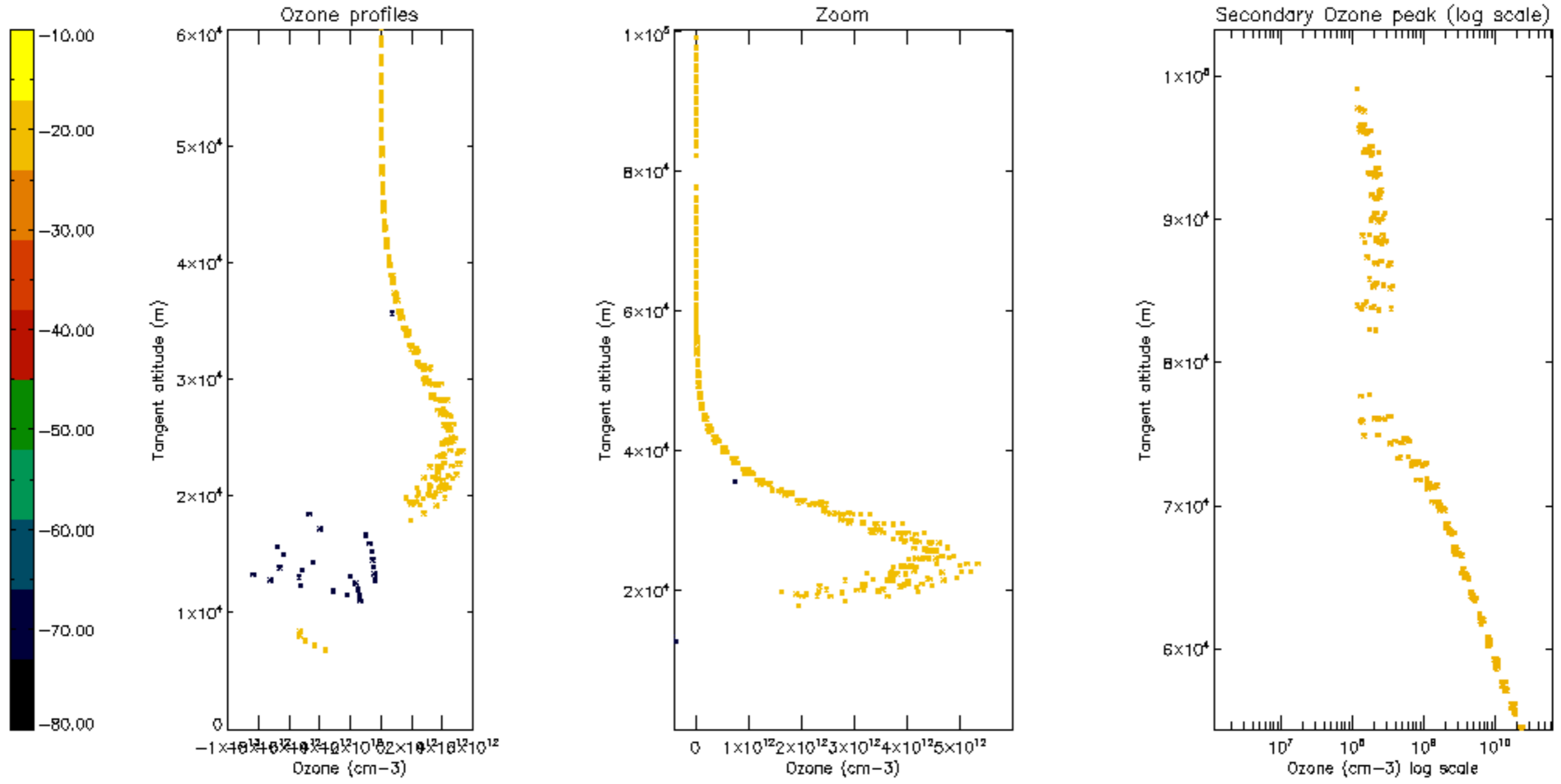


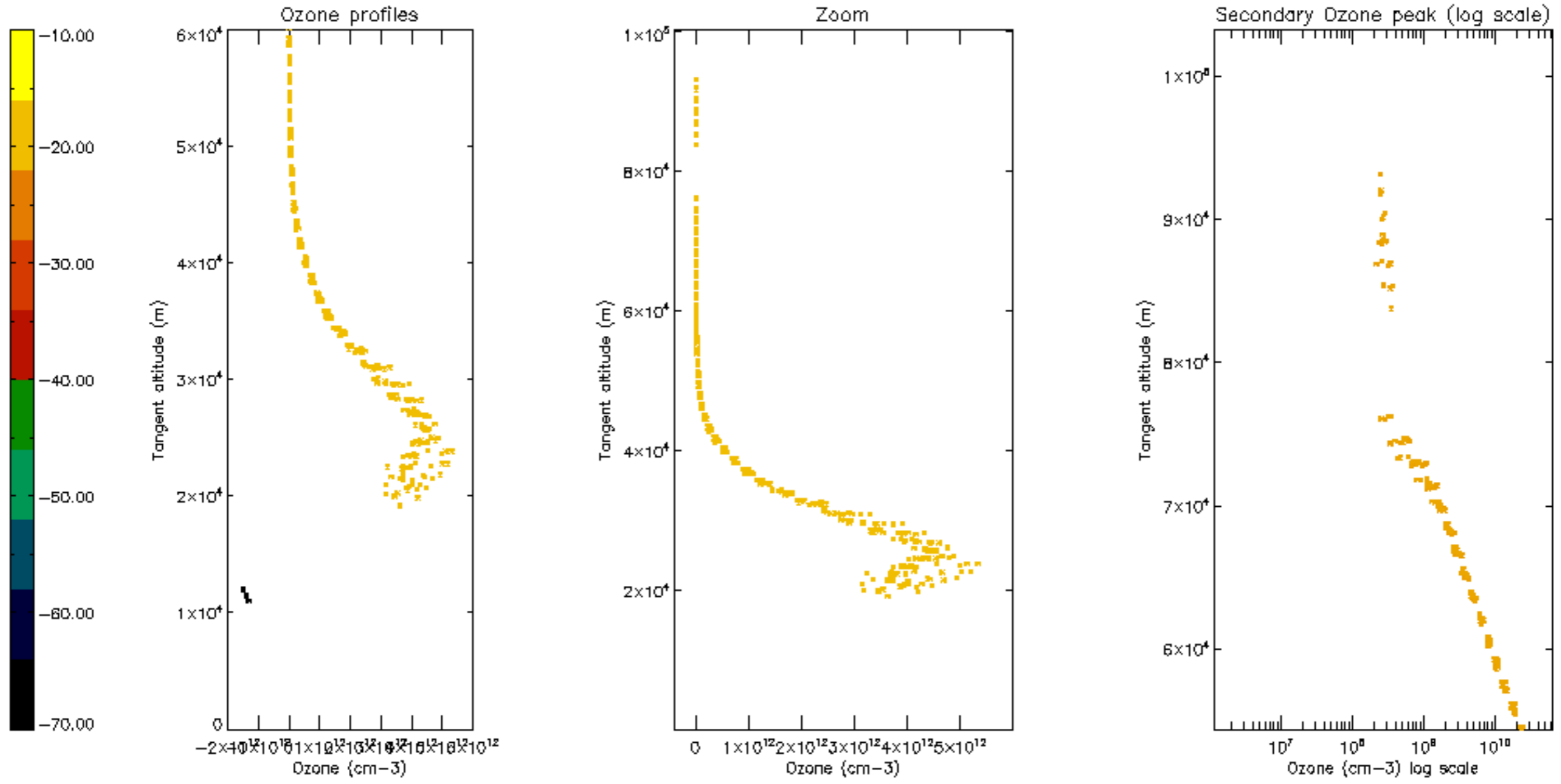
Percentage of saturation errors per profile

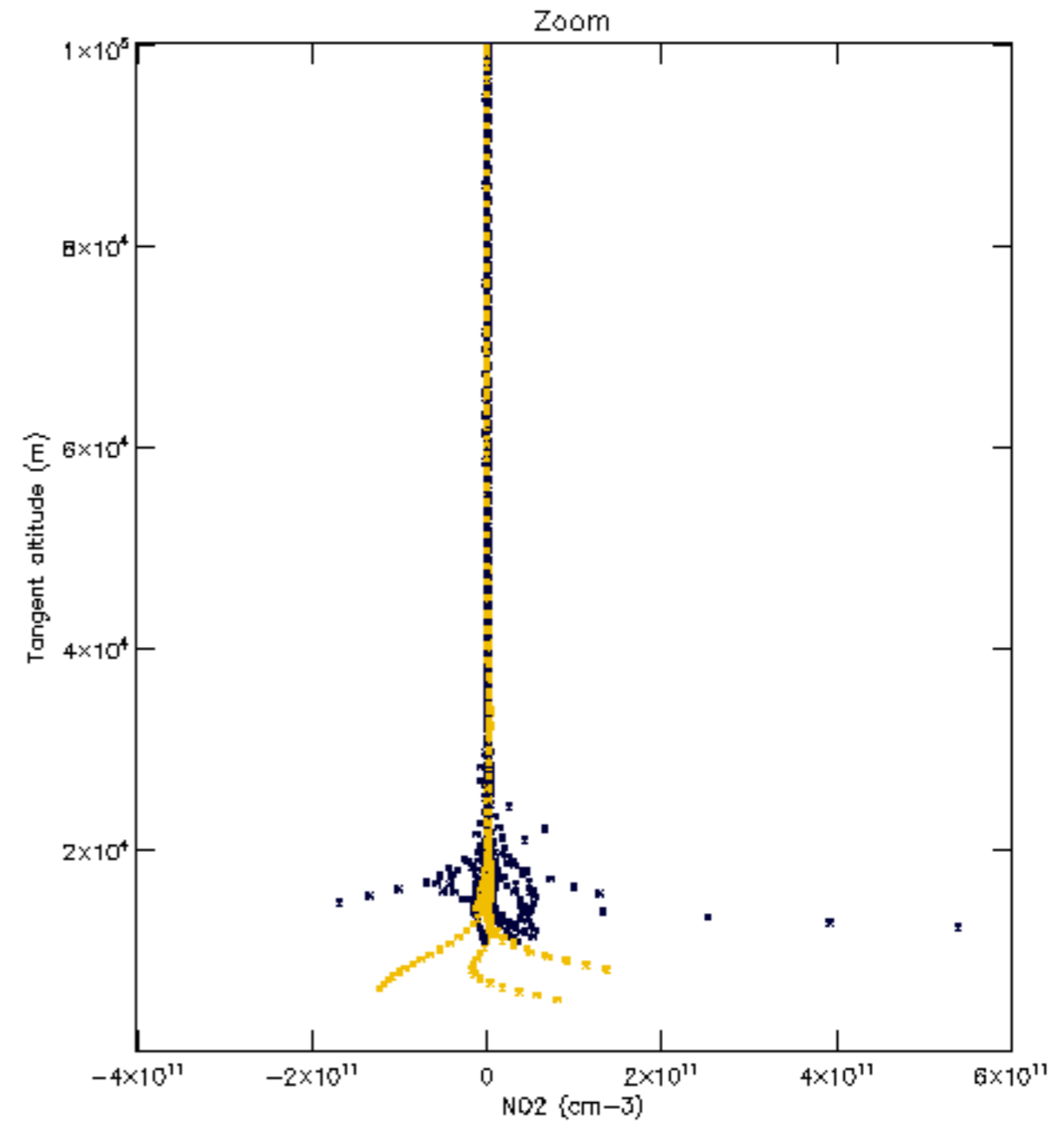
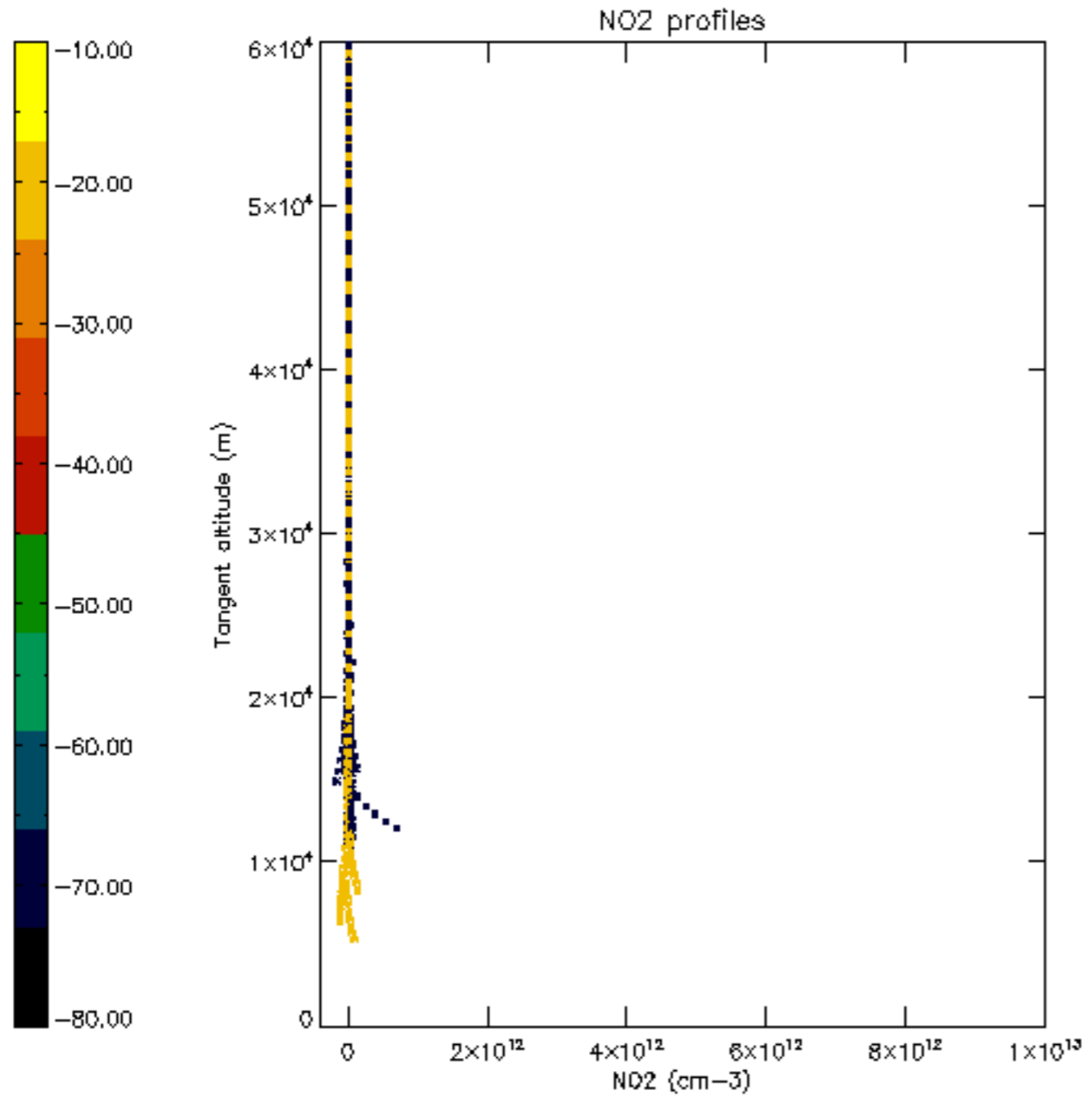


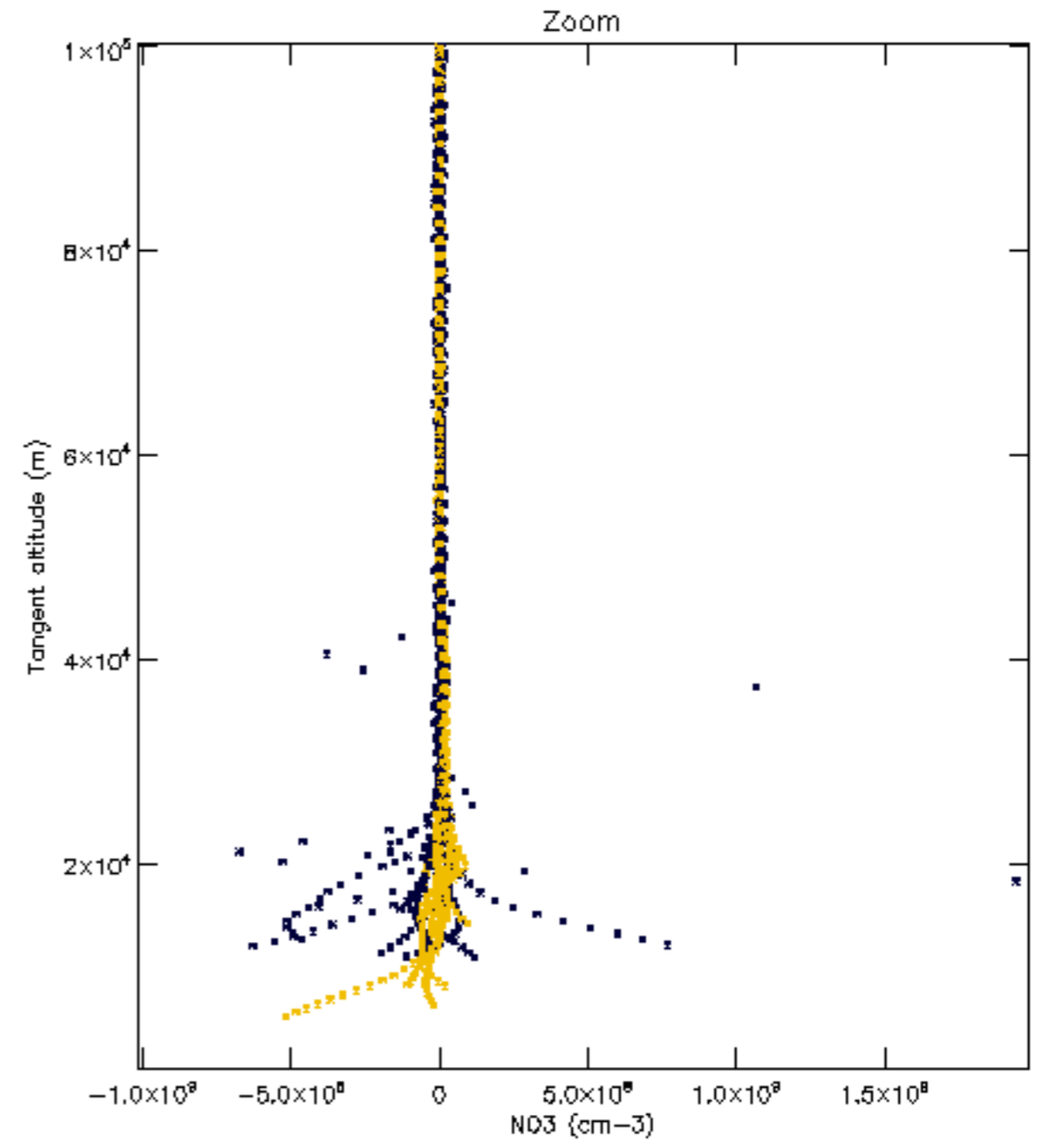
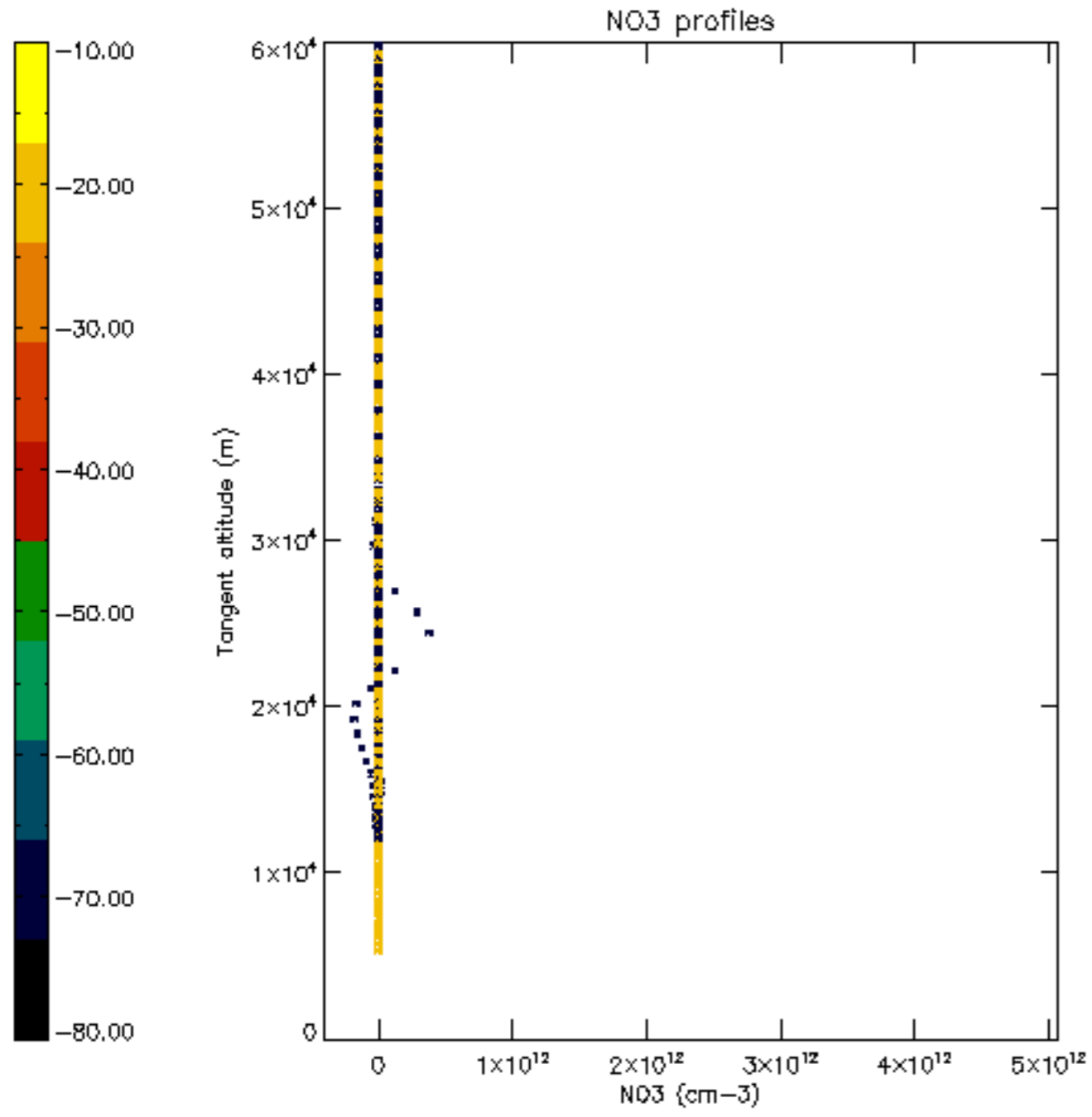


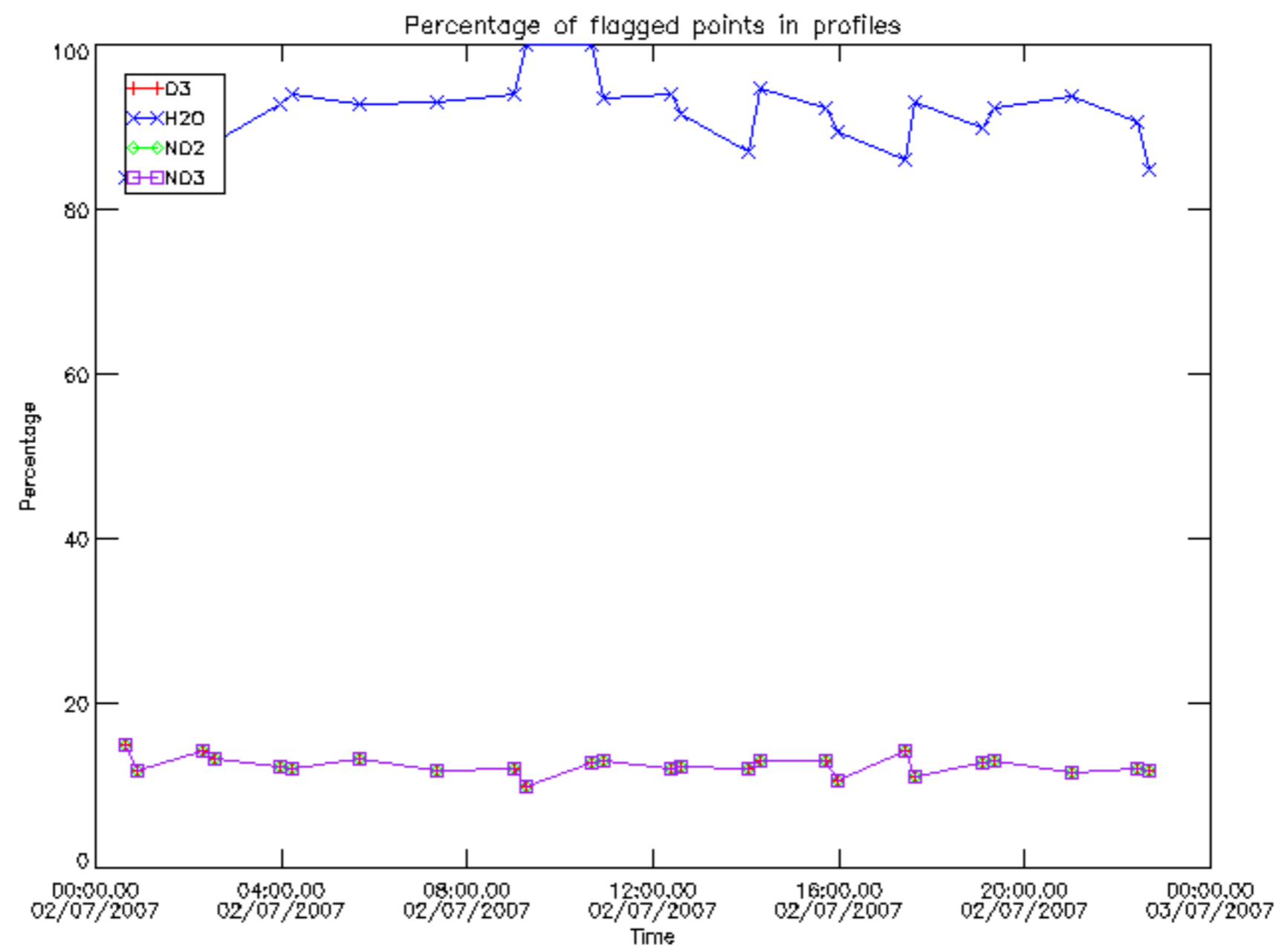




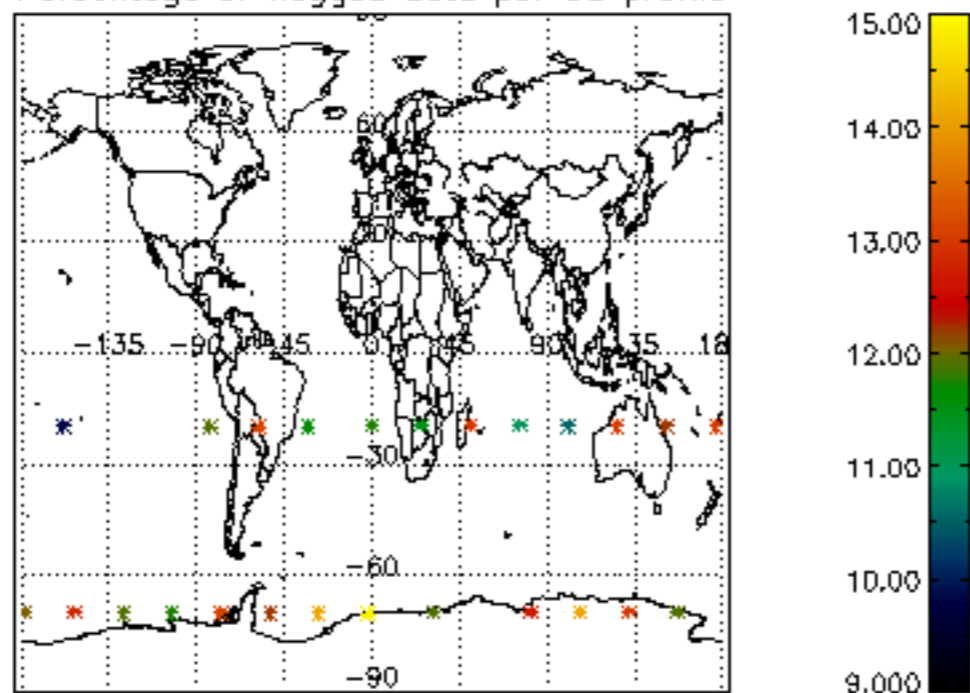




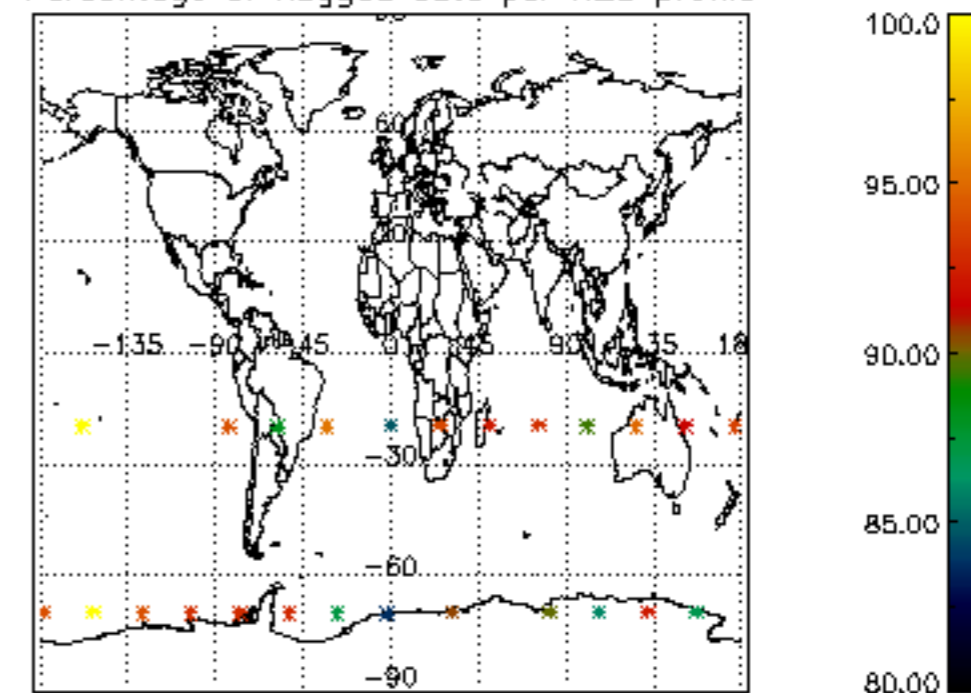




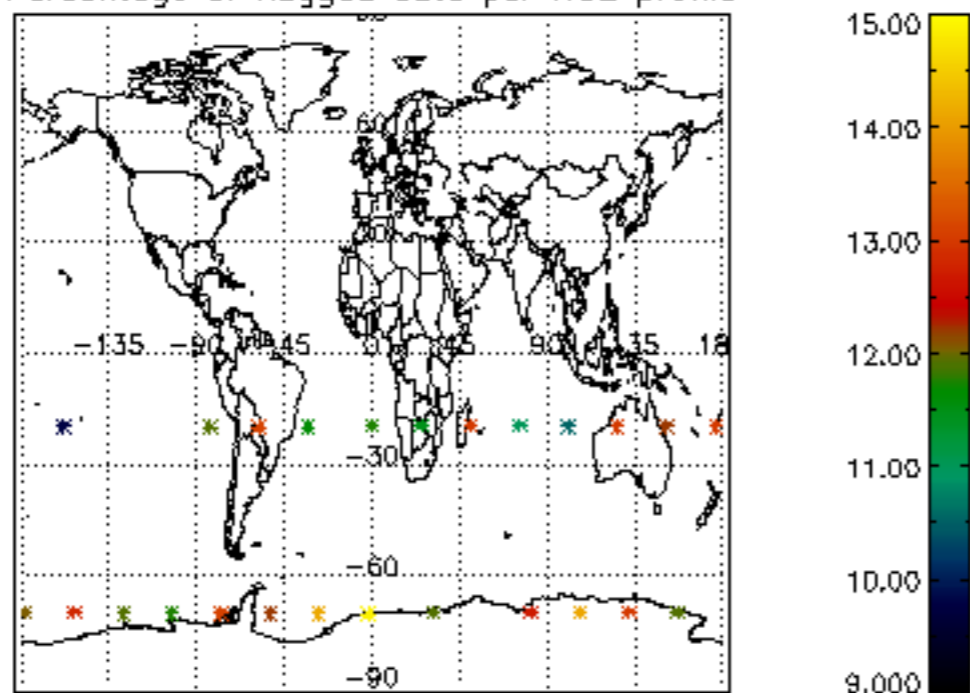
Percentage of flagged data per D3 profile



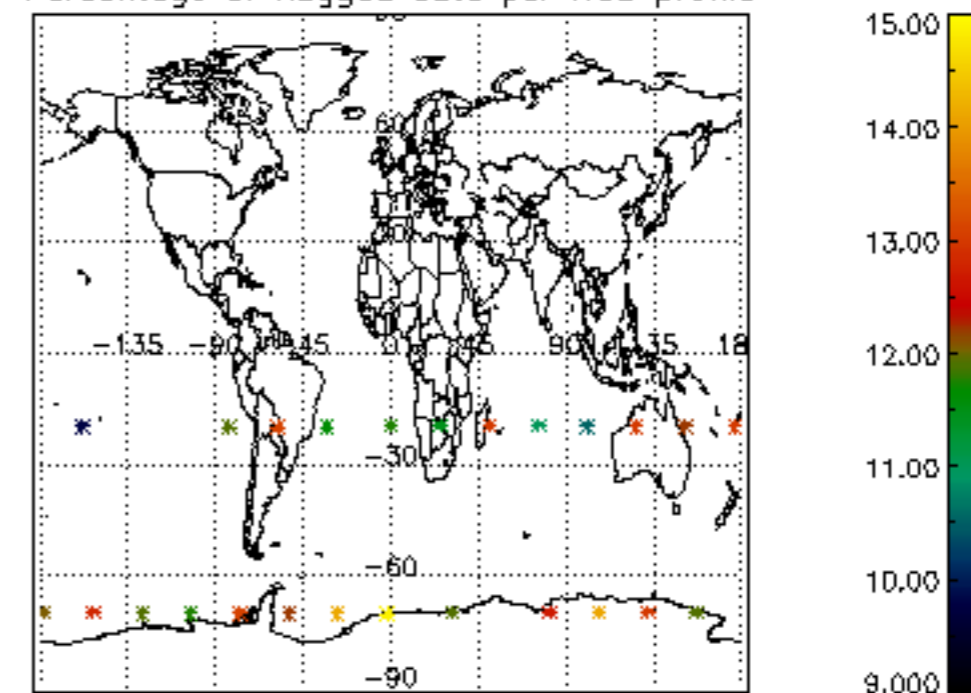
Percentage of flagged data per H2O profile

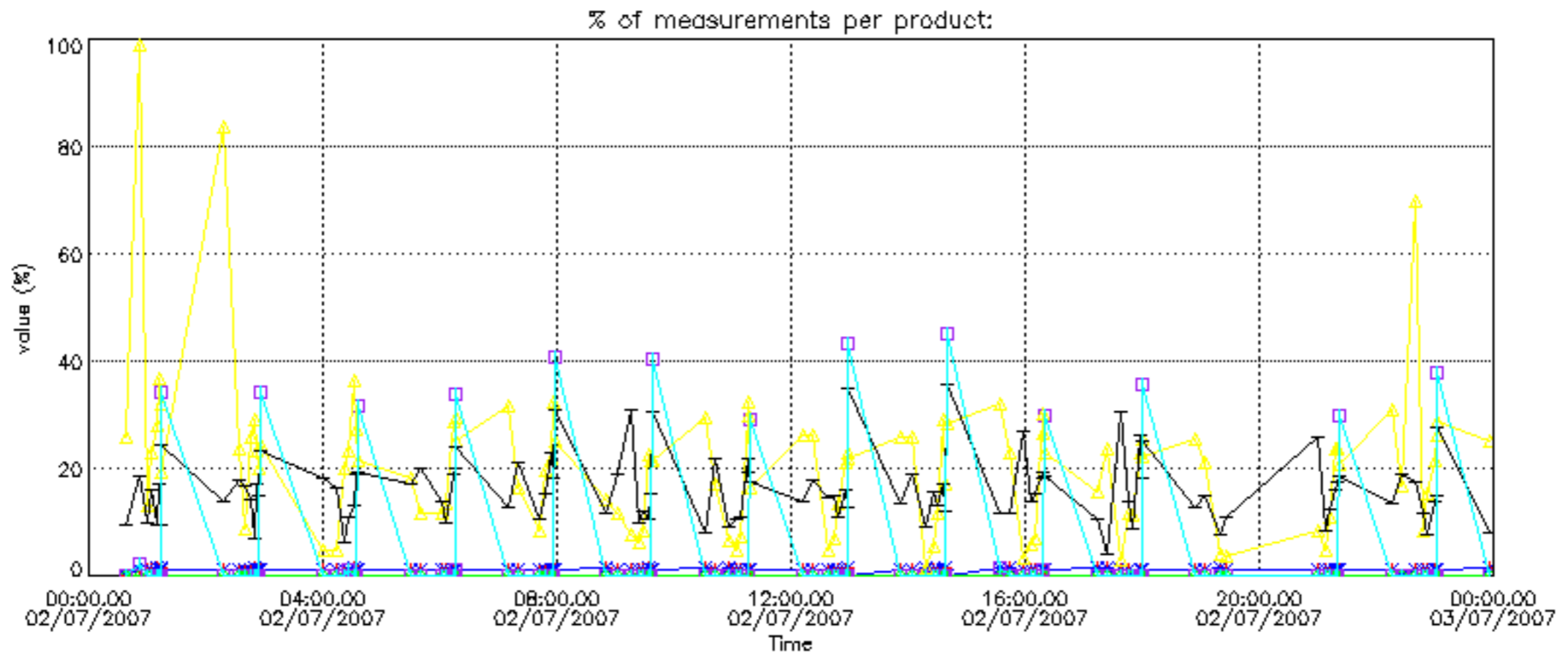


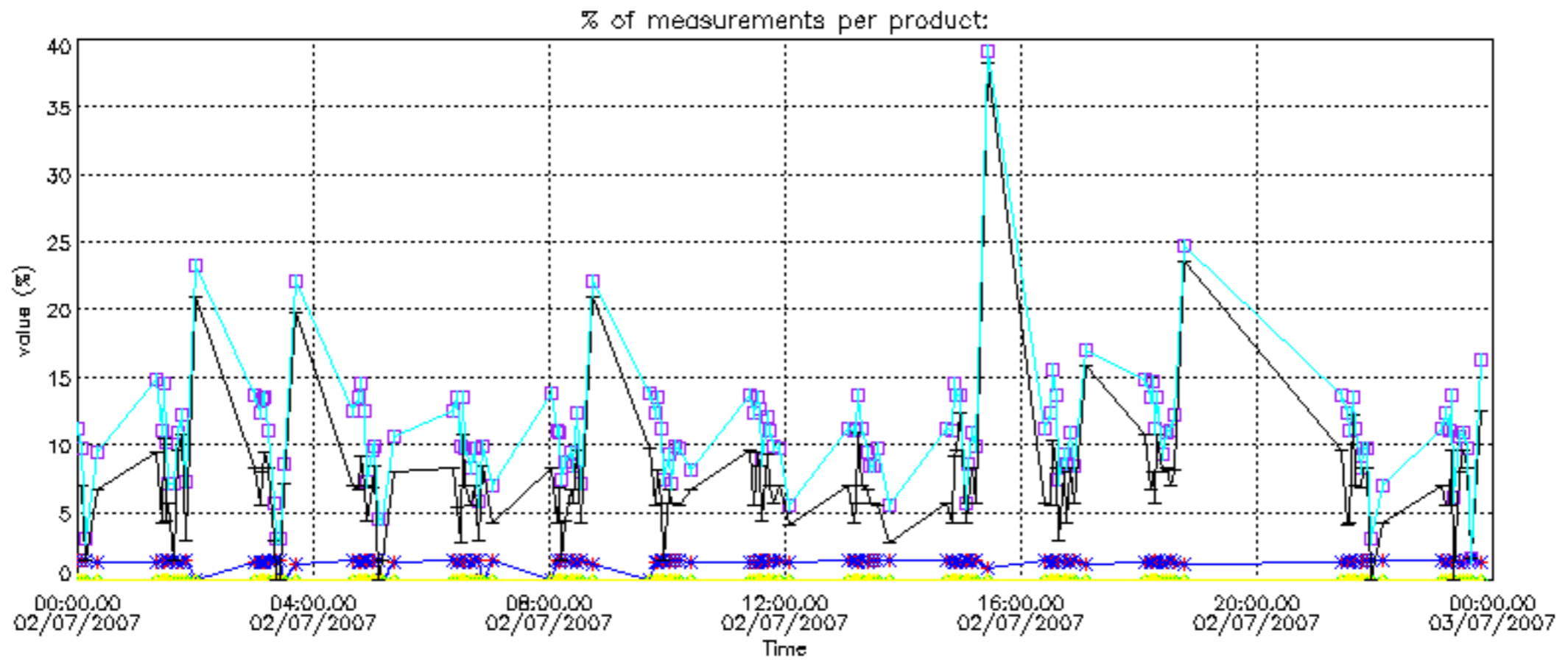
Percentage of flagged data per NO2 profile



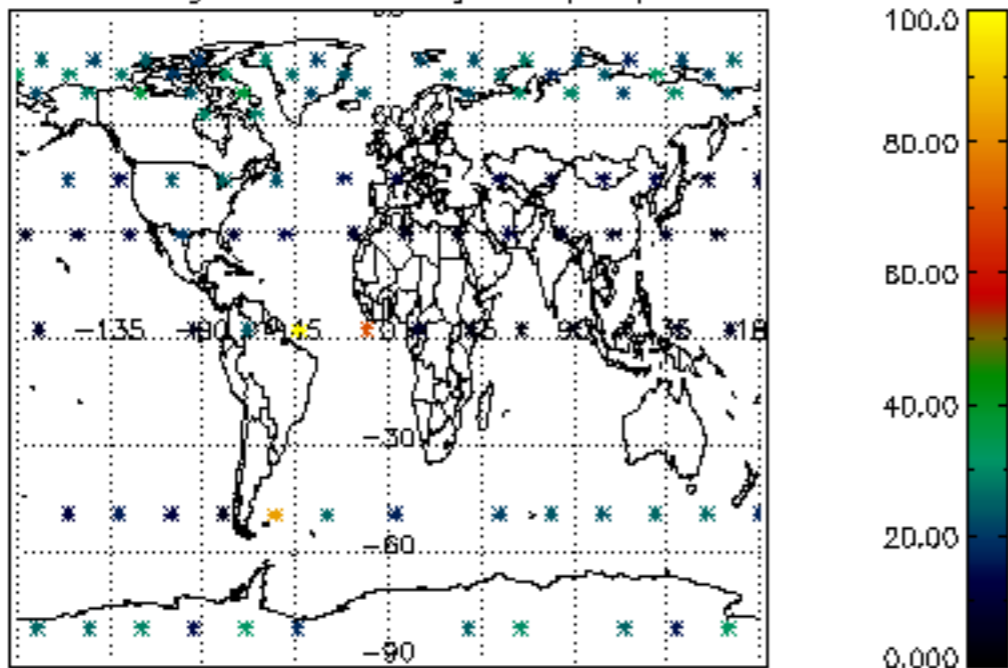
Percentage of flagged data per NO3 profile



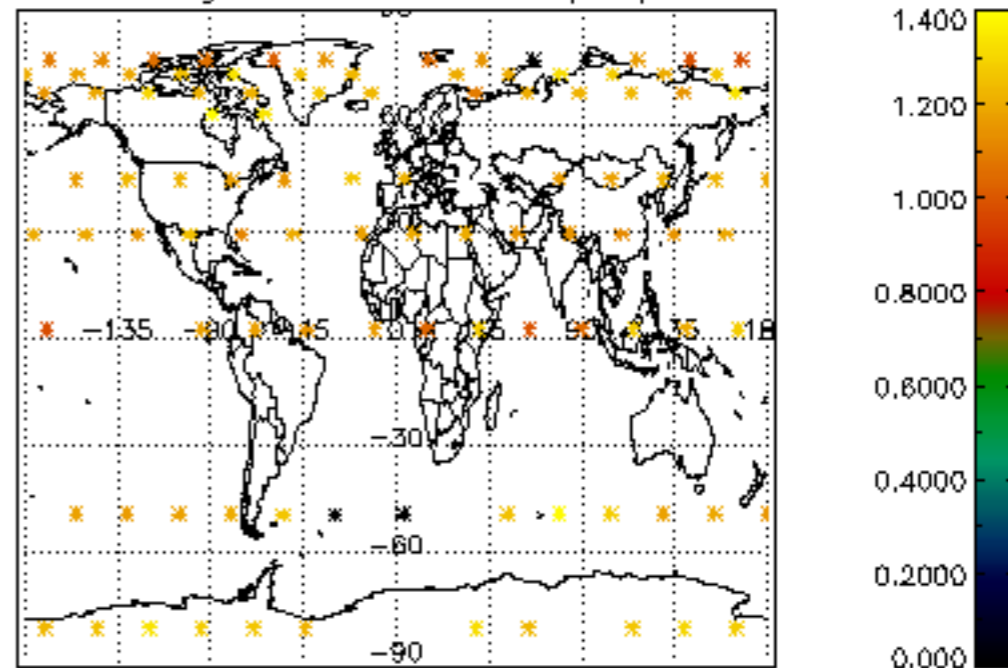




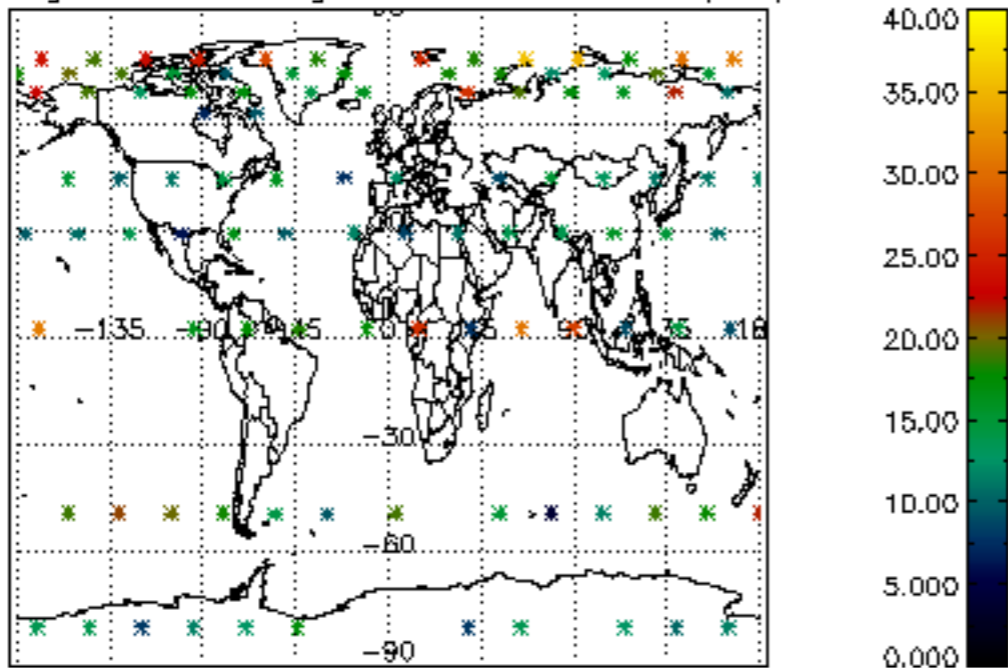
Percentage of cosmic ray hits per profile



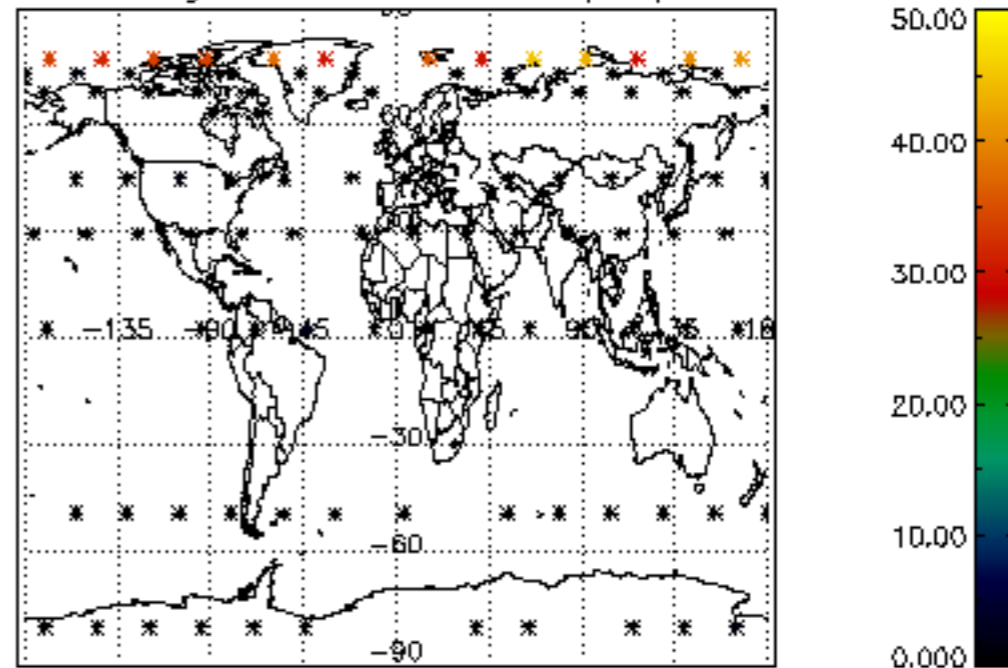
Percentage of datation errors per profile



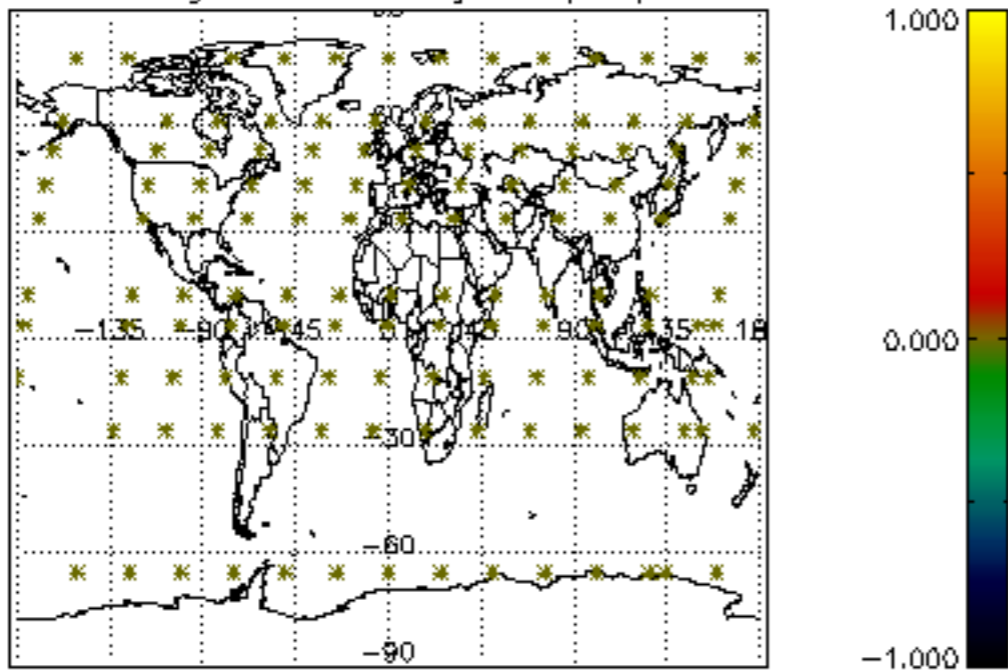
Percentage of star falling outside central band per profile



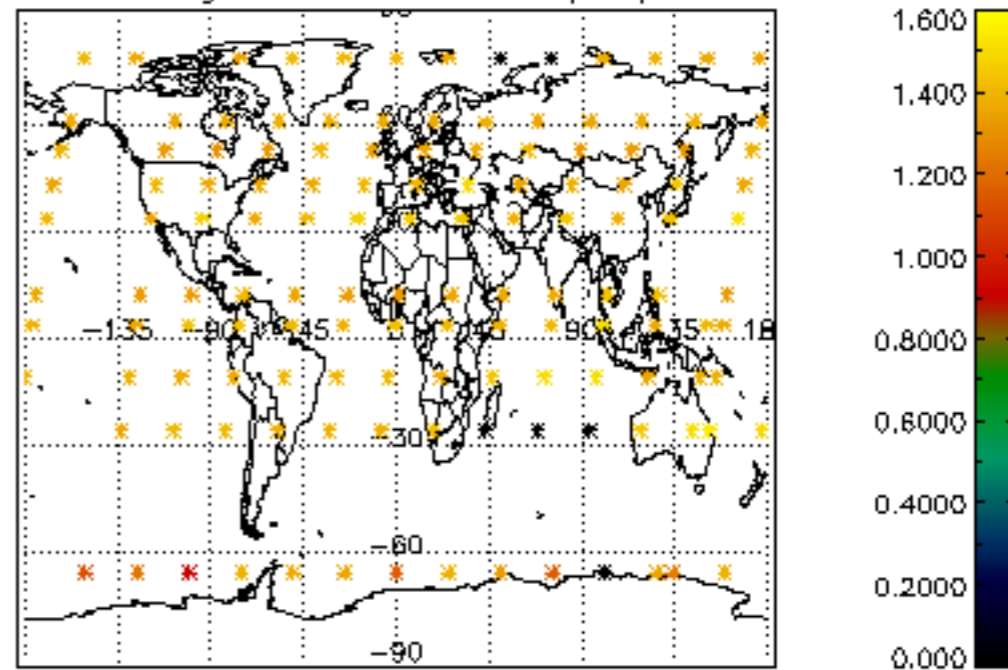
Percentage of saturation errors per profile



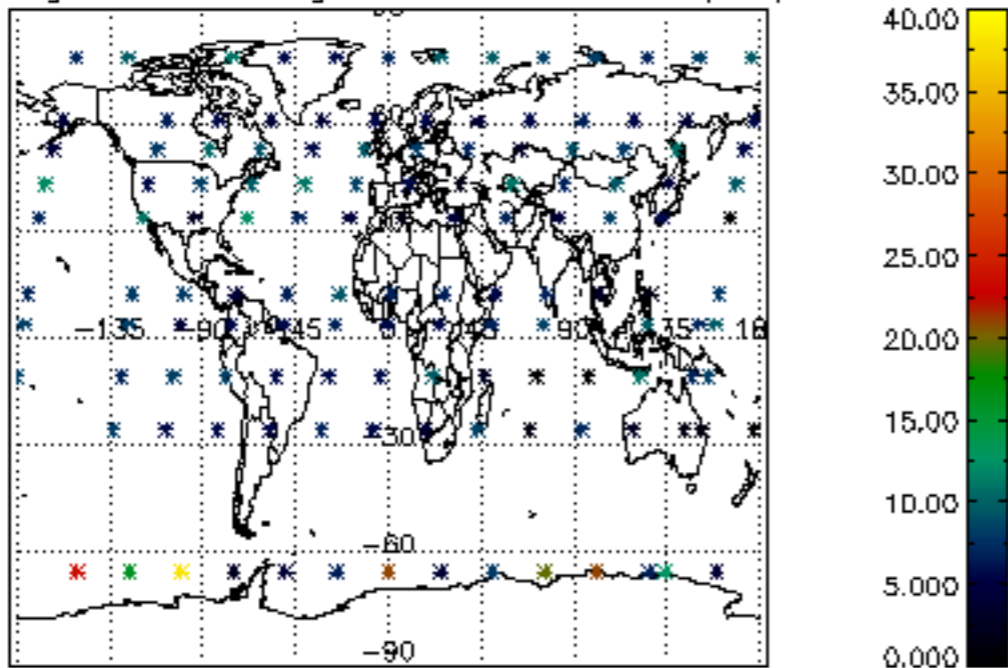
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

