

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 | 26APR2013 08:33:02 |
| Data source version | GOMOS/6.01 |
| Start time of products | 02-04-2009 (02APR2009 00:00:00) |
| Stop time of products | 03-04-2009 (03APR2009 00:00:00) |
| Store outputs in DB | Yes |
| Nb of level 2 prods | 70 |
| Nb of prods with errors | 0 |

2. Summary of processed GOM_NL__2P products.

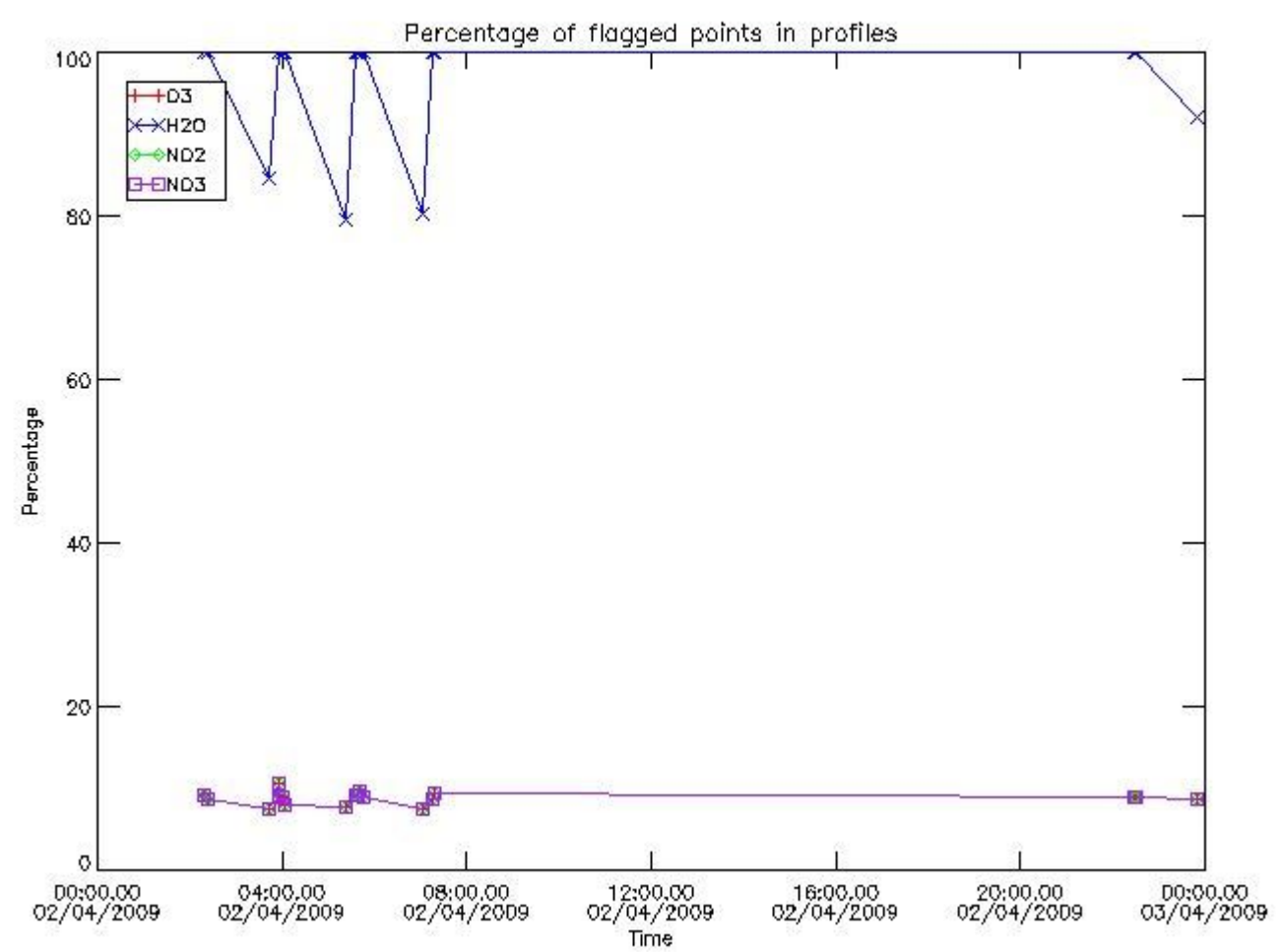
| Nr | Filename | UTC Start time | Limb | Duration | Star Id | Star Name | Star Mag | Star Temp | Nb Meas | Orbit | Prod. error |
|----|--|----------------------|------------|----------|---------|-----------|----------|-----------|---------|-------|-------------|
| 1 | GOM_NL__2PRFIN20090402_021936_000000552077_00433_37060_4911.N1 | 02-APR-2009 02:19:36 | Dark | 55.000 | 38 | 20Eps Sgr | 1.8360 | 11000. | 110 | 37060 | No |
| 2 | GOM_NL__2PRFIN20090402_022349_000000592077_00433_37060_4912.N1 | 02-APR-2009 02:23:49 | Dark | 59.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 118 | 37060 | No |
| 3 | GOM_NL__2PRFIN20090402_023128_000000532077_00433_37060_4913.N1 | 02-APR-2009 02:31:28 | Straylight | 52.500 | 131 | Gam Lup | 2.8000 | 26000. | 105 | 37060 | No |
| 4 | GOM_NL__2PRFIN20090402_023353_000000472077_00433_37060_4914.N1 | 02-APR-2009 02:33:53 | Straylight | 46.500 | 81 | Eta Cen | 2.3560 | 28000. | 93 | 37060 | No |
| 5 | GOM_NL__2PRFIN20090402_023635_000000512077_00433_37060_4915.N1 | 02-APR-2009 02:36:35 | Straylight | 51.000 | 54 | 5The Cen | 2.0550 | 4500.0 | 102 | 37060 | No |
| 6 | GOM_NL__2PRFIN20090402_024200_000000492077_00433_37060_4916.N1 | 02-APR-2009 02:42:00 | Twilight | 48.500 | 169 | 46Gam Hya | 2.9910 | 4700.0 | 97 | 37060 | No |
| 7 | GOM_NL__2PRFIN20090402_024614_000000672077_00433_37060_4917.N1 | 02-APR-2009 02:46:14 | Bright | 66.500 | 15 | 67Alp Vir | 0.97600 | 28000. | 133 | 37060 | No |
| 8 | GOM_NL__2PRFIN20090402_024928_000000442077_00433_37060_4918.N1 | 02-APR-2009 02:49:28 | Bright | 44.000 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 88 | 37060 | No |
| 9 | GOM_NL__2PRFIN20090402_025401_000000482077_00433_37060_4919.N1 | 02-APR-2009 02:54:01 | Bright | 48.000 | 138 | 47Eps Vir | 2.8280 | 4700.0 | 96 | 37060 | No |
| 10 | GOM_NL__2PRFIN20090402_030236_000000432077_00433_37060_4920.N1 | 02-APR-2009 03:02:36 | Bright | 42.500 | 152 | 12Alp2CVn | 2.8900 | 11000. | 85 | 37060 | No |
| 11 | GOM_NL__2PRFIN20090402_030719_000000412077_00433_37060_4921.N1 | 02-APR-2009 03:07:19 | Bright | 40.500 | 32 | 77Eps UMa | 1.7630 | 11000. | 81 | 37060 | No |
| 12 | GOM_NL__2PRFIN20090402_031625_000000472077_00433_37060_4922.N1 | 02-APR-2009 03:16:25 | Bright | 47.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 94 | 37060 | No |
| 13 | GOM_NL__2PRFIN20090402_032803_000000472077_00433_37060_4923.N1 | 02-APR-2009 03:28:03 | Bright | 46.500 | 144 | 18Del Cyg | 2.8600 | 11000. | 93 | 37060 | No |
| 14 | GOM_NL__2PRFIN20090402_032959_000000462077_00433_37060_4924.N1 | 02-APR-2009 03:29:59 | Bright | 45.500 | 66 | 37Gam Cyg | 2.2080 | 5900.0 | 91 | 37060 | No |
| 15 | GOM_NL__2PRFIN20090402_033202_000000442077_00433_37060_4925.N1 | 02-APR-2009 03:32:02 | Bright | 44.000 | 92 | 53Eps Cyg | 2.5000 | 4500.0 | 88 | 37060 | No |
| 16 | GOM_NL__2PRFIN20090402_034221_000000692077_00433_37060_4926.N1 | 02-APR-2009 03:42:21 | Dark | 69.000 | 11 | 53Alp Aql | 0.76500 | 8000.0 | 138 | 37060 | No |
| 17 | GOM_NL__2PRFIN20090402_035428_000000482077_00433_37060_4927.N1 | 02-APR-2009 03:54:28 | Dark | 48.000 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 96 | 37060 | No |
| 18 | GOM_NL__2PRFIN20090402_035640_000000552077_00433_37060_4928.N1 | 02-APR-2009 03:56:40 | Dark | 55.000 | 57 | 34Sig Sgr | 2.0660 | 26000. | 110 | 37060 | No |
| 19 | GOM_NL__2PRFIN20090402_040013_000000572077_00434_37061_4924.N1 | 02-APR-2009 04:00:13 | Dark | 56.500 | 38 | 20Eps Sgr | 1.8360 | 11000. | 113 | 37061 | No |
| 20 | GOM_NL__2PRFIN20090402_040427_000000652077_00434_37061_4925.N1 | 02-APR-2009 04:04:27 | Dark | 64.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 129 | 37061 | No |
| 21 | GOM_NL__2PRFIN20090402_041204_000000502077_00434_37061_4926.N1 | 02-APR-2009 04:12:04 | Straylight | 50.000 | 131 | Gam Lup | 2.8000 | 26000. | 100 | 37061 | No |
| 22 | GOM_NL__2PRFIN20090402_041429_000000502077_00434_37061_4927.N1 | 02-APR-2009 04:14:29 | Straylight | 50.000 | 81 | Eta Cen | 2.3560 | 28000. | 100 | 37061 | No |
| 23 | GOM_NL__2PRFIN20090402_041711_000000482077_00434_37061_4928.N1 | 02-APR-2009 04:17:11 | Straylight | 48.000 | 54 | 5The Cen | 2.0550 | 4500.0 | 96 | 37061 | No |
| 24 | GOM_NL__2PRFIN20090402_042236_000000492077_00434_37061_4929.N1 | 02-APR-2009 04:22:36 | Twilight | 49.000 | 169 | 46Gam Hya | 2.9910 | 4700.0 | 98 | 37061 | No |
| 25 | GOM_NL__2PRFIN20090402_042650_000000612077_00434_37061_4930.N1 | 02-APR-2009 04:26:50 | Bright | 60.500 | 15 | 67Alp Vir | 0.97600 | 28000. | 121 | 37061 | No |
| 26 | GOM_NL__2PRFIN20090402_043004_000000432077_00434_37061_4931.N1 | 02-APR-2009 04:30:04 | Bright | 43.000 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 86 | 37061 | No |
| 27 | GOM_NL__2PRFIN20090402_043436_000000582077_00434_37061_4932.N1 | 02-APR-2009 04:34:36 | Bright | 58.000 | 138 | 47Eps Vir | 2.8280 | 4700.0 | 116 | 37061 | No |
| 28 | GOM_NL__2PRFIN20090402_044311_000000422077_00434_37061_4933.N1 | 02-APR-2009 04:43:11 | Bright | 42.000 | 152 | 12Alp2CVn | 2.8900 | 11000. | 84 | 37061 | No |
| 29 | GOM_NL__2PRFIN20090402_044754_000000592077_00434_37061_4934.N1 | 02-APR-2009 04:47:54 | Bright | 59.000 | 32 | 77Eps UMa | 1.7630 | 11000. | 118 | 37061 | No |
| 30 | GOM_NL__2PRFIN20090402_045700_000000712077_00434_37061_4935.N1 | 02-APR-2009 04:57:00 | Bright | 70.500 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 141 | 37061 | No |
| 31 | GOM_NL__2PRFIN20090402_050839_000000452077_00434_37061_4936.N1 | 02-APR-2009 05:08:39 | Bright | 45.000 | 144 | 18Del Cyg | 2.8600 | 11000. | 90 | 37061 | No |
| 32 | GOM_NL__2PRFIN20090402_051035_000000442077_00434_37061_4937.N1 | 02-APR-2009 05:10:35 | Bright | 44.000 | 66 | 37Gam Cyg | 2.2080 | 5900.0 | 88 | 37061 | No |
| 33 | GOM_NL__2PRFIN20090402_051239_000000482077_00434_37061_4938.N1 | 02-APR-2009 05:12:39 | Bright | 47.500 | 92 | 53Eps Cyg | 2.5000 | 4500.0 | 95 | 37061 | No |
| 34 | GOM_NL__2PRFIN20090402_052258_000000672077_00434_37061_4939.N1 | 02-APR-2009 05:22:58 | Dark | 66.500 | 11 | 53Alp Aql | 0.76500 | 8000.0 | 133 | 37061 | No |
| 35 | GOM_NL__2PRFIN20090402_053506_000000562077_00434_37061_4940.N1 | 02-APR-2009 05:35:06 | Dark | 56.000 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 112 | 37061 | No |
| 36 | GOM_NL__2PRFIN20090402_053717_000000552077_00434_37061_4941.N1 | 02-APR-2009 05:37:17 | Dark | 55.000 | 57 | 34Sig Sgr | 2.0660 | 26000. | 110 | 37061 | No |
| 37 | GOM_NL__2PRFIN20090402_054051_000000542077_00435_37062_4964.N1 | 02-APR-2009 05:40:51 | Dark | 53.500 | 38 | 20Eps Sgr | 1.8360 | 11000. | 107 | 37062 | No |
| 38 | GOM_NL__2PRFIN20090402_054504_000000572077_00435_37062_4965.N1 | 02-APR-2009 05:45:04 | Dark | 56.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 113 | 37062 | No |
| 39 | GOM_NL__2PRFIN20090402_055241_000000502077_00435_37062_4966.N1 | 02-APR-2009 05:52:41 | Straylight | 50.000 | 131 | Gam Lup | 2.8000 | 26000. | 100 | 37062 | No |
| 40 | GOM_NL__2PRFIN20090402_055506_000000472077_00435_37062_4967.N1 | 02-APR-2009 05:55:06 | Straylight | 47.000 | 81 | Eta Cen | 2.3560 | 28000. | 94 | 37062 | No |
| 41 | GOM_NL__2PRFIN20090402_055748_000000572077_00435_37062_4968.N1 | 02-APR-2009 05:57:48 | Straylight | 57.000 | 54 | 5The Cen | 2.0550 | 4500.0 | 114 | 37062 | No |
| 42 | GOM_NL__2PRFIN20090402_060313_000000492077_00435_37062_4969.N1 | 02-APR-2009 06:03:13 | Twilight | 49.000 | 169 | 46Gam Hya | 2.9910 | 4700.0 | 98 | 37062 | No |

| | | | | | | | | | | | |
|----|--|----------------------|----------------|--------|-----|-----------|---------|--------|-----|-------|----|
| 43 | GOM_NL__2PRFIN20090402_060726_000000672077_00435_37062_4970.N1 | 02-APR-2009 06:07:26 | Bright | 66.500 | 15 | 67Alp Vir | 0.97600 | 28000. | 133 | 37062 | No |
| 44 | GOM_NL__2PRFIN20090402_061039_000000452077_00435_37062_4971.N1 | 02-APR-2009 06:10:39 | Bright | 44.500 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 89 | 37062 | No |
| 45 | GOM_NL__2PRFIN20090402_061512_000000472077_00435_37062_4972.N1 | 02-APR-2009 06:15:12 | Bright | 46.500 | 138 | 47Eps Vir | 2.8280 | 4700.0 | 93 | 37062 | No |
| 46 | GOM_NL__2PRFIN20090402_062346_000000432077_00435_37062_4973.N1 | 02-APR-2009 06:23:46 | Bright | 42.500 | 152 | 12Alp2CVn | 2.8900 | 11000. | 85 | 37062 | No |
| 47 | GOM_NL__2PRFIN20090402_062830_000000392077_00435_37062_4974.N1 | 02-APR-2009 06:28:30 | Bright | 39.000 | 32 | 77Eps UMa | 1.7630 | 11000. | 78 | 37062 | No |
| 48 | GOM_NL__2PRFIN20090402_063735_000000462077_00435_37062_4975.N1 | 02-APR-2009 06:37:35 | Bright | 46.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 92 | 37062 | No |
| 49 | GOM_NL__2PRFIN20090402_064915_000000522077_00435_37062_4976.N1 | 02-APR-2009 06:49:15 | Bright | 51.500 | 144 | 18Del Cyg | 2.8600 | 11000. | 103 | 37062 | No |
| 50 | GOM_NL__2PRFIN20090402_065111_000000432077_00435_37062_4977.N1 | 02-APR-2009 06:51:11 | Bright | 42.500 | 66 | 37Gam Cyg | 2.2080 | 5900.0 | 85 | 37062 | No |
| 51 | GOM_NL__2PRFIN20090402_065315_000000412077_00435_37062_4978.N1 | 02-APR-2009 06:53:15 | Bright | 40.500 | 92 | 53Eps Cyg | 2.5000 | 4500.0 | 81 | 37062 | No |
| 52 | GOM_NL__2PRFIN20090402_070335_000000692077_00435_37062_4979.N1 | 02-APR-2009 07:03:35 | Dark | 68.500 | 11 | 53Alp Aql | 0.76500 | 8000.0 | 137 | 37062 | No |
| 53 | GOM_NL__2PRFIN20090402_071543_000000592077_00435_37062_4980.N1 | 02-APR-2009 07:15:43 | Dark | 58.500 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 117 | 37062 | No |
| 54 | GOM_NL__2PRFIN20090402_071755_000000552077_00435_37062_4981.N1 | 02-APR-2009 07:17:55 | Dark | 54.500 | 57 | 34Sig Sgr | 2.0660 | 26000. | 109 | 37062 | No |
| 55 | GOM_NL__2PRFIN20090402_222703_000000582077_00445_37072_5128.N1 | 02-APR-2009 22:27:03 | Dark | 57.500 | 38 | 20Eps Sgr | 1.8360 | 11000. | 115 | 37072 | No |
| 56 | GOM_NL__2PRFIN20090402_223117_000000572077_00445_37072_5129.N1 | 02-APR-2009 22:31:17 | Dark | 56.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 113 | 37072 | No |
| 57 | GOM_NL__2PRFIN20090402_223849_000000492077_00445_37072_5130.N1 | 02-APR-2009 22:38:49 | Straylight | 49.000 | 131 | Gam Lup | 2.8000 | 26000. | 98 | 37072 | No |
| 58 | GOM_NL__2PRFIN20090402_224111_000000452077_00445_37072_5131.N1 | 02-APR-2009 22:41:11 | Straylight | 45.000 | 81 | Eta Cen | 2.3560 | 28000. | 90 | 37072 | No |
| 59 | GOM_NL__2PRFIN20090402_224352_000000512077_00445_37072_5132.N1 | 02-APR-2009 22:43:52 | Straylight | 50.500 | 54 | 5The Cen | 2.0550 | 4500.0 | 101 | 37072 | No |
| 60 | GOM_NL__2PRFIN20090402_224914_000000482077_00445_37072_5133.N1 | 02-APR-2009 22:49:14 | Twilight_stray | 47.500 | 169 | 46Gam Hya | 2.9910 | 4700.0 | 95 | 37072 | No |
| 61 | GOM_NL__2PRFIN20090402_225325_000000682077_00445_37072_5134.N1 | 02-APR-2009 22:53:25 | Bright | 68.000 | 15 | 67Alp Vir | 0.97600 | 28000. | 136 | 37072 | No |
| 62 | GOM_NL__2PRFIN20090402_225638_000000442077_00445_37072_5135.N1 | 02-APR-2009 22:56:38 | Bright | 44.000 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 88 | 37072 | No |
| 63 | GOM_NL__2PRFIN20090402_230107_000000472077_00445_37072_5136.N1 | 02-APR-2009 23:01:07 | Bright | 46.500 | 138 | 47Eps Vir | 2.8280 | 4700.0 | 93 | 37072 | No |
| 64 | GOM_NL__2PRFIN20090402_230940_000000412077_00445_37072_5137.N1 | 02-APR-2009 23:09:40 | Bright | 40.500 | 152 | 12Alp2CVn | 2.8900 | 11000. | 81 | 37072 | No |
| 65 | GOM_NL__2PRFIN20090402_231425_000000422077_00445_37072_5138.N1 | 02-APR-2009 23:14:25 | Bright | 42.000 | 32 | 77Eps UMa | 1.7630 | 11000. | 84 | 37072 | No |
| 66 | GOM_NL__2PRFIN20090402_232327_000000472077_00445_37072_5139.N1 | 02-APR-2009 23:23:27 | Bright | 47.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 94 | 37072 | No |
| 67 | GOM_NL__2PRFIN20090402_233512_000000452077_00445_37072_5140.N1 | 02-APR-2009 23:35:12 | Bright | 45.000 | 144 | 18Del Cyg | 2.8600 | 11000. | 90 | 37072 | No |
| 68 | GOM_NL__2PRFIN20090402_233710_000000452077_00445_37072_5141.N1 | 02-APR-2009 23:37:10 | Bright | 44.500 | 66 | 37Gam Cyg | 2.2080 | 5900.0 | 89 | 37072 | No |
| 69 | GOM_NL__2PRFIN20090402_233915_000000452077_00445_37072_5142.N1 | 02-APR-2009 23:39:15 | Bright | 44.500 | 92 | 53Eps Cyg | 2.5000 | 4500.0 | 89 | 37072 | No |
| 70 | GOM_NL__2PRFIN20090402_234943_000000642077_00445_37072_5143.N1 | 02-APR-2009 23:49:43 | Dark | 64.000 | 11 | 53Alp Aql | 0.76500 | 8000.0 | 128 | 37072 | No |

3. Quality information per product

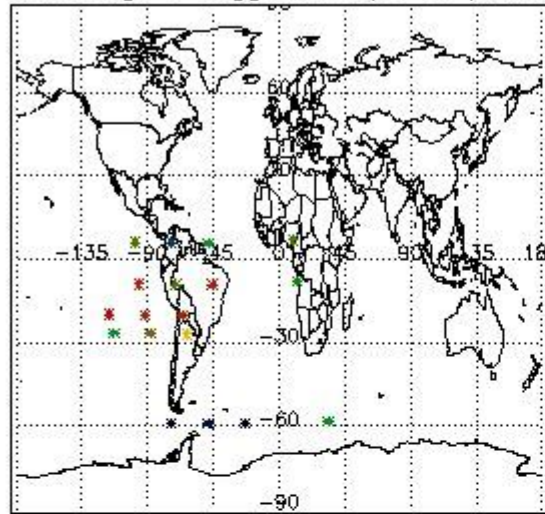
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

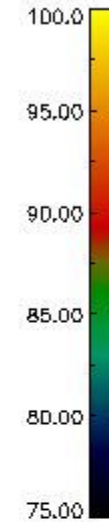
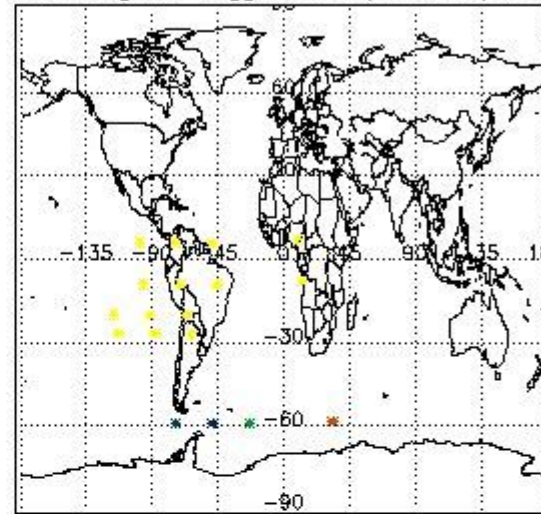


3.2 Plot quality information per product (world map)

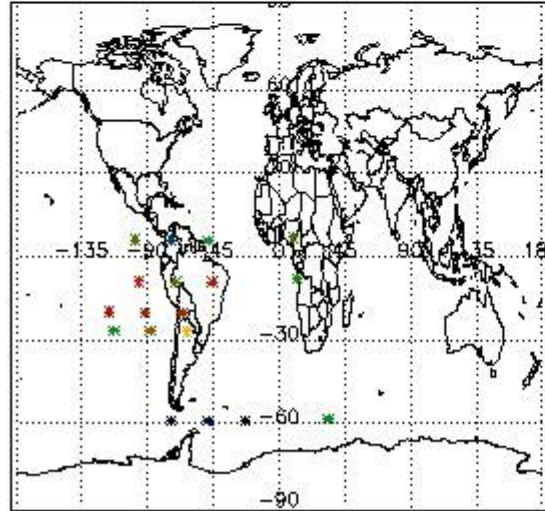
Percentage of flagged data per O3 profile



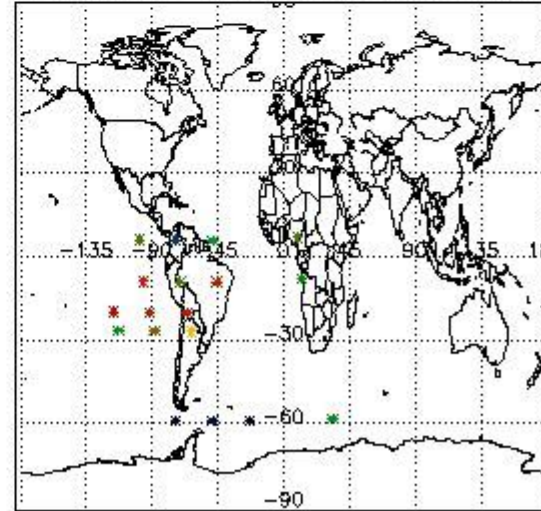
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

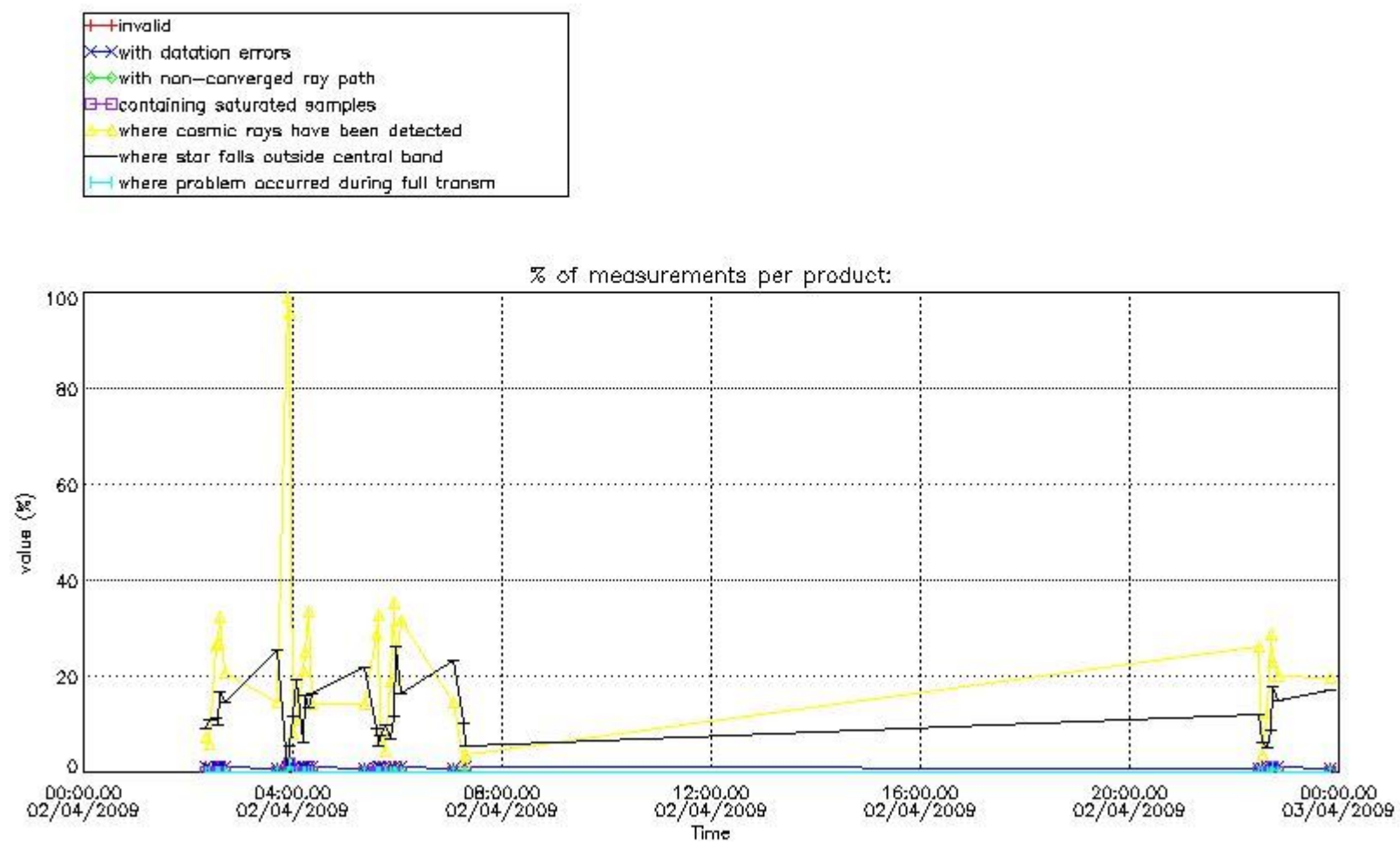


4. Level 1 quality information per product

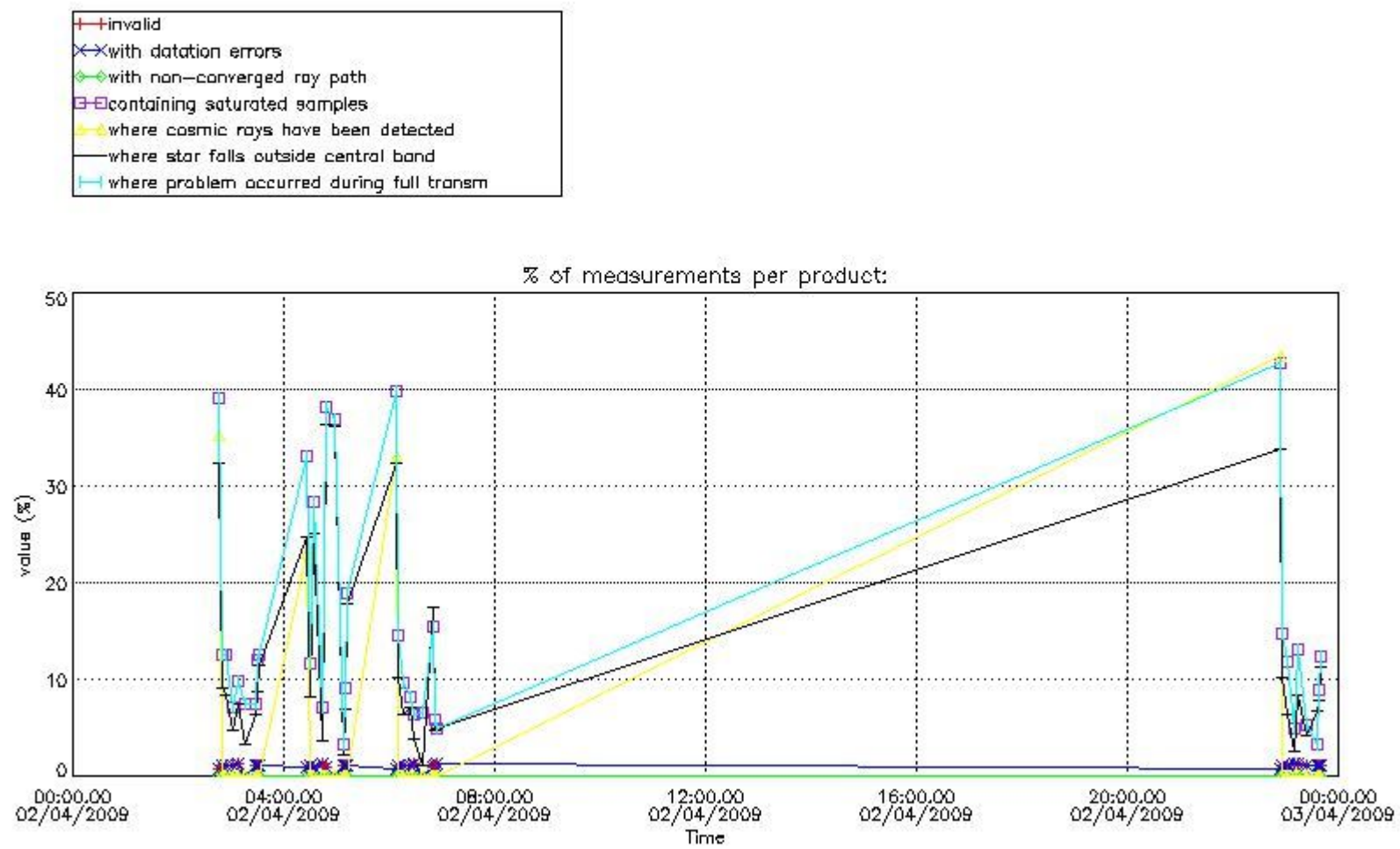
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



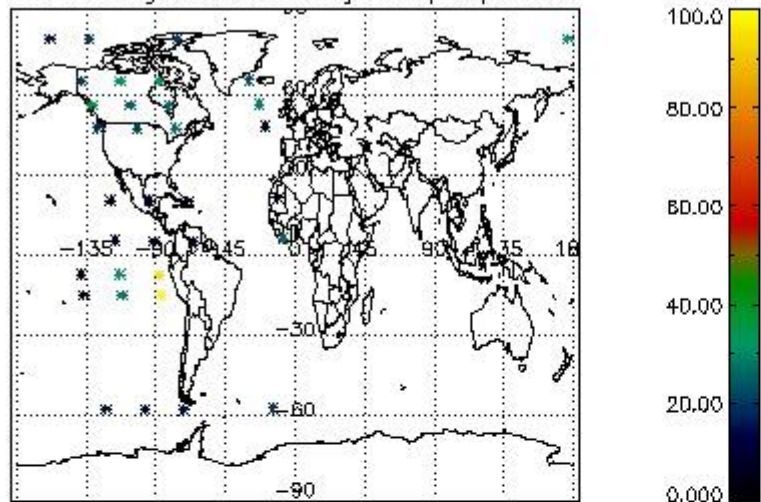
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



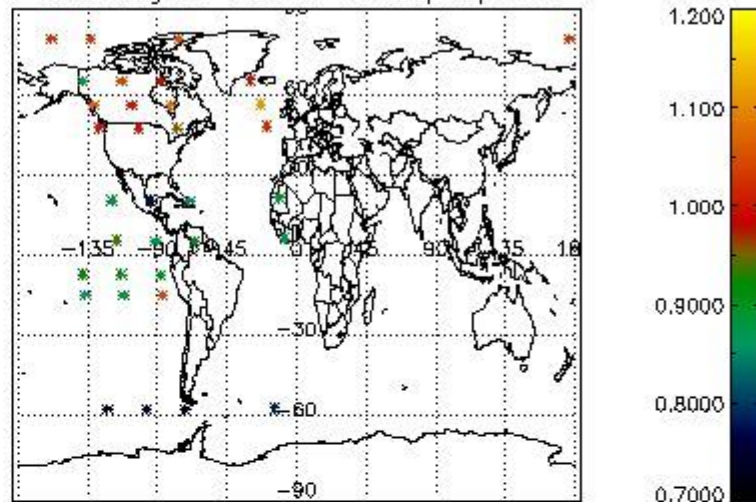
4.2 Plot quality information per product coming from level 1b processing (world map)

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

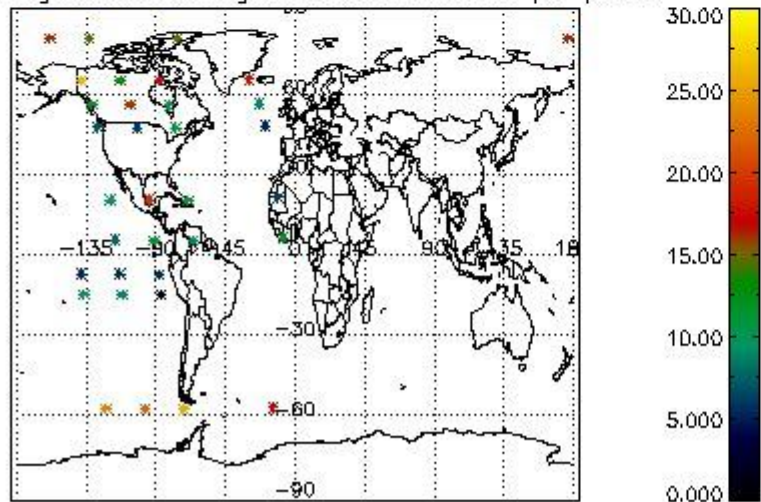
Percentage of cosmic ray hits per profile



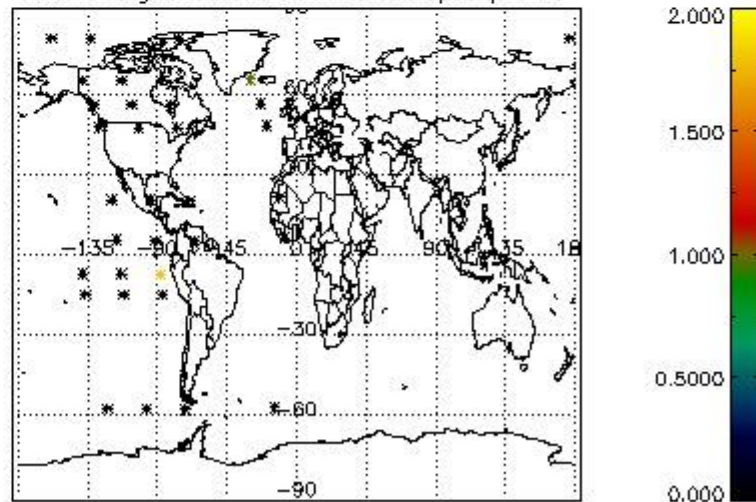
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

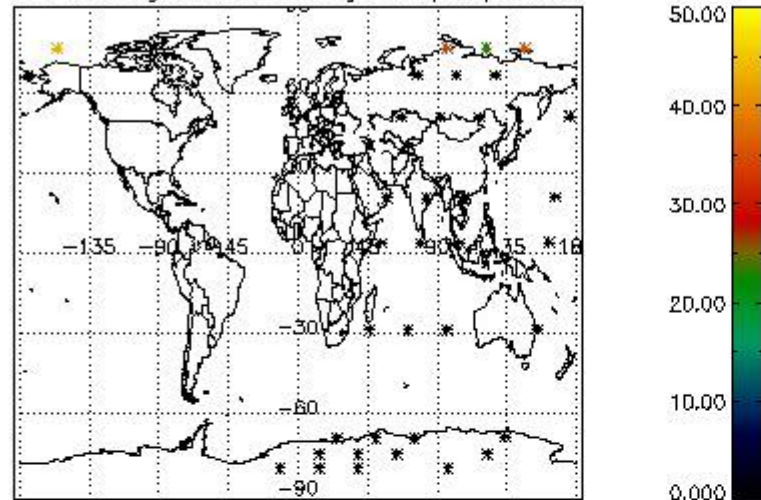


Percentage of saturation errors per profile

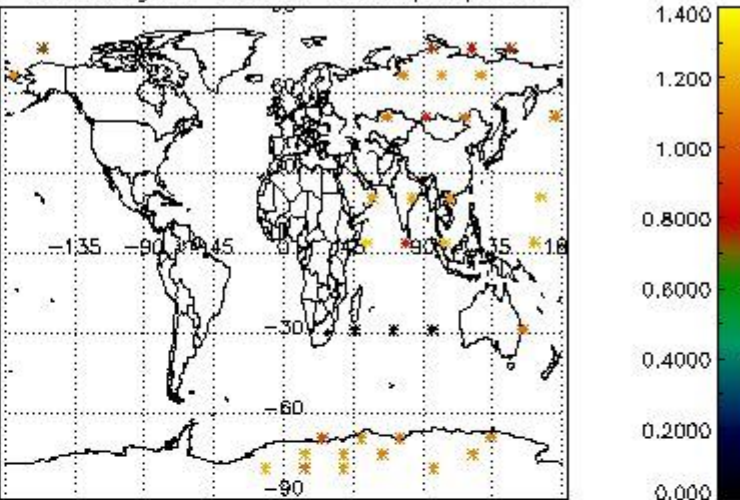


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

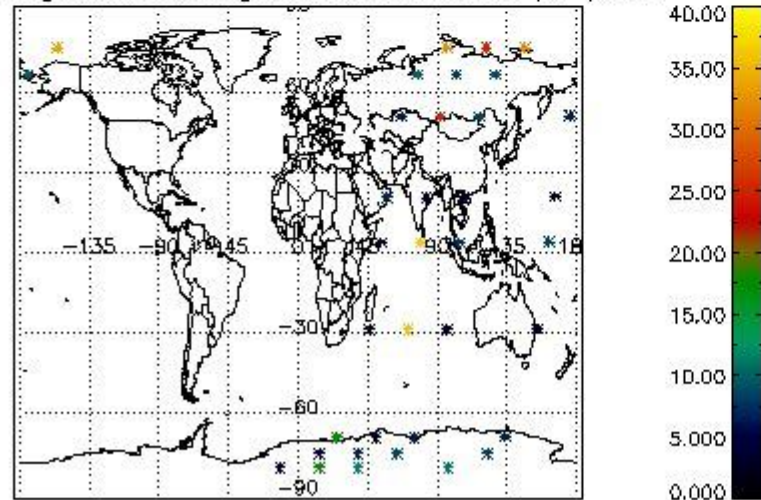
Percentage of cosmic ray hits per profile



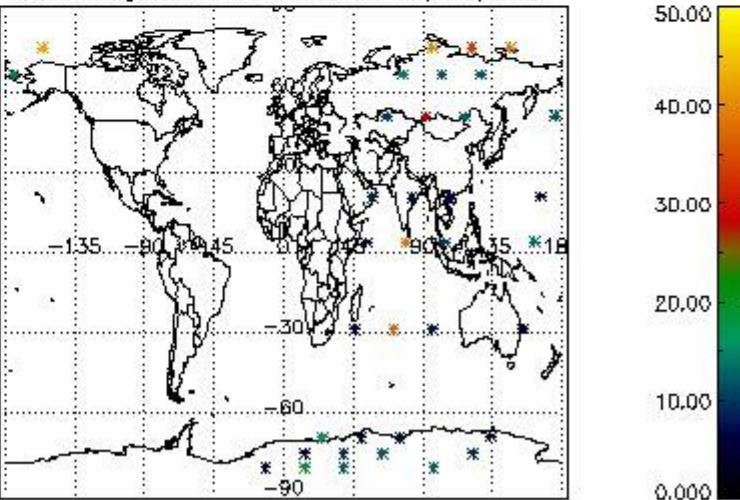
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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

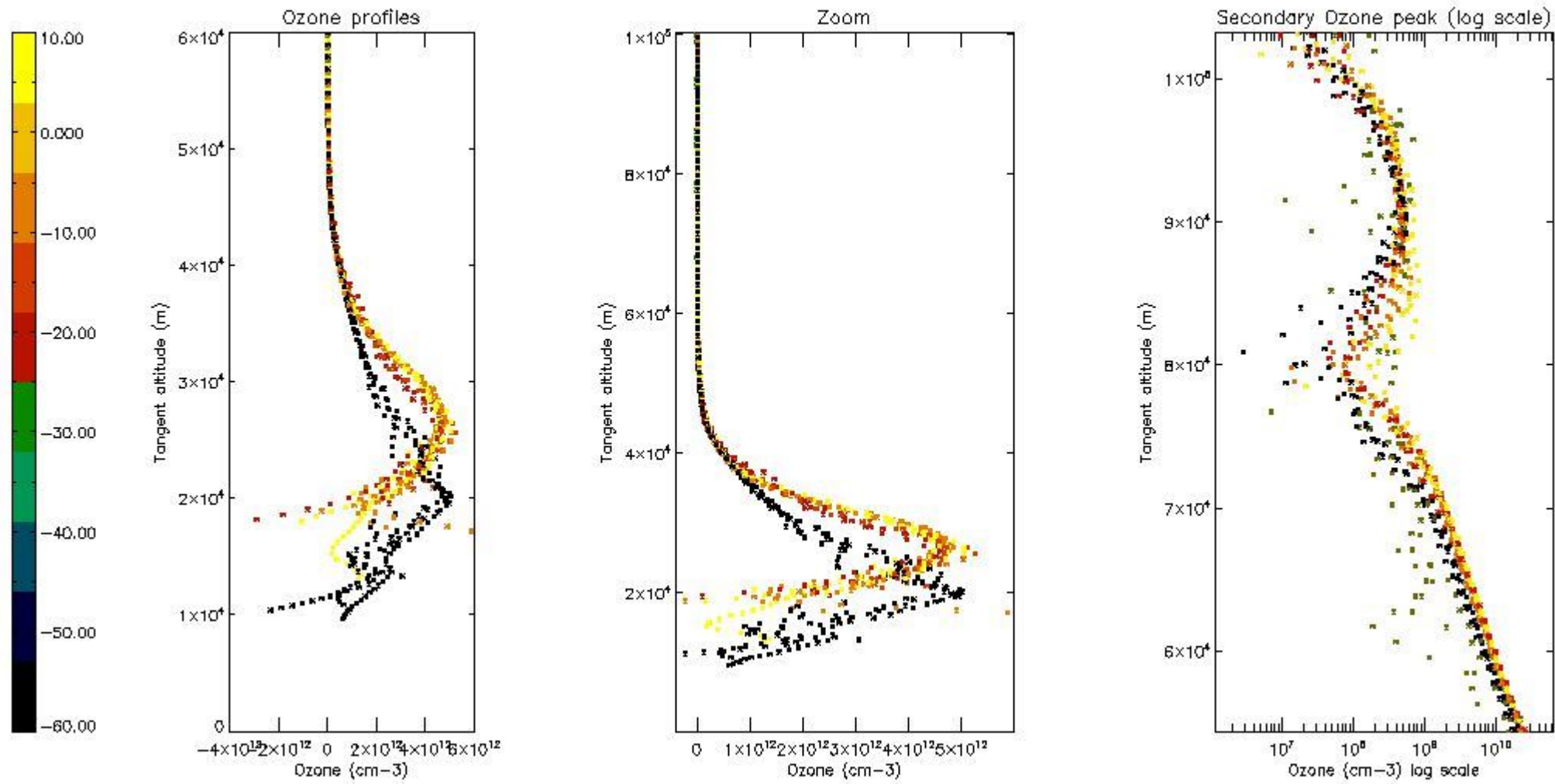
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

| Criteria | % of total production |
|----------|-----------------------|
| All STD | 31 |
| STD < 20 | 19 |

| | |
|----------|----|
| STD < 10 | 16 |
| STD < 5 | 13 |

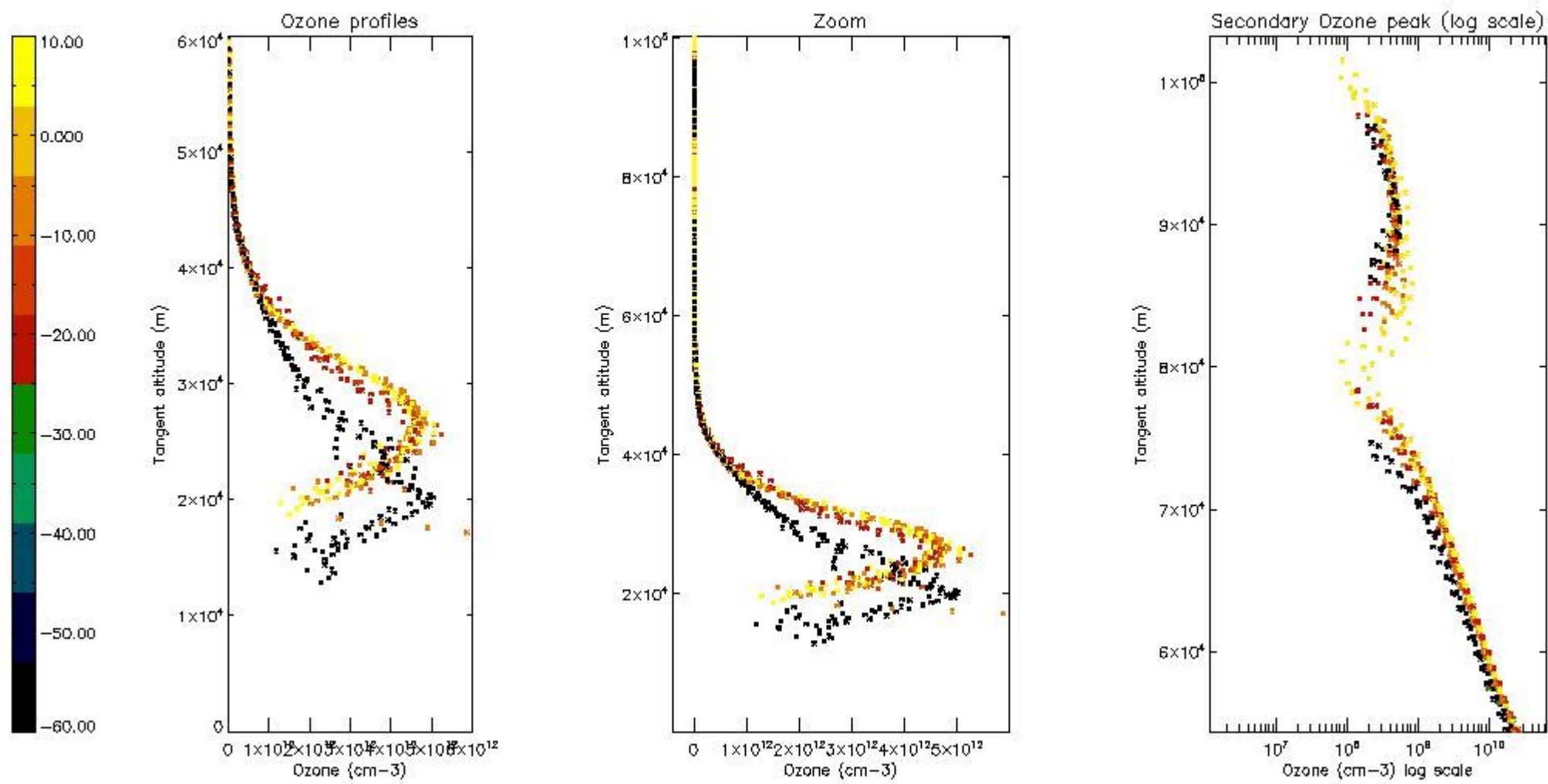
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



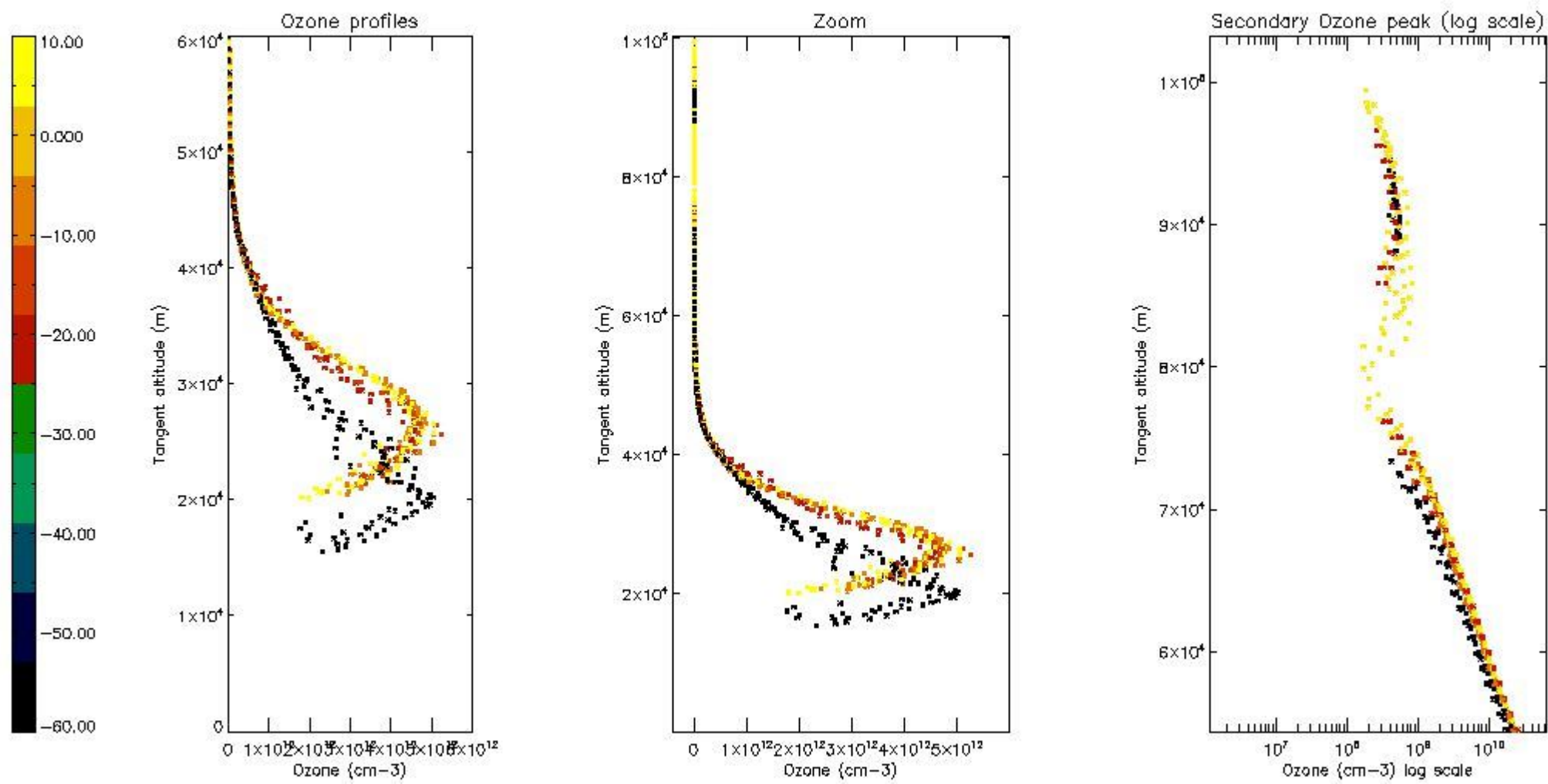
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



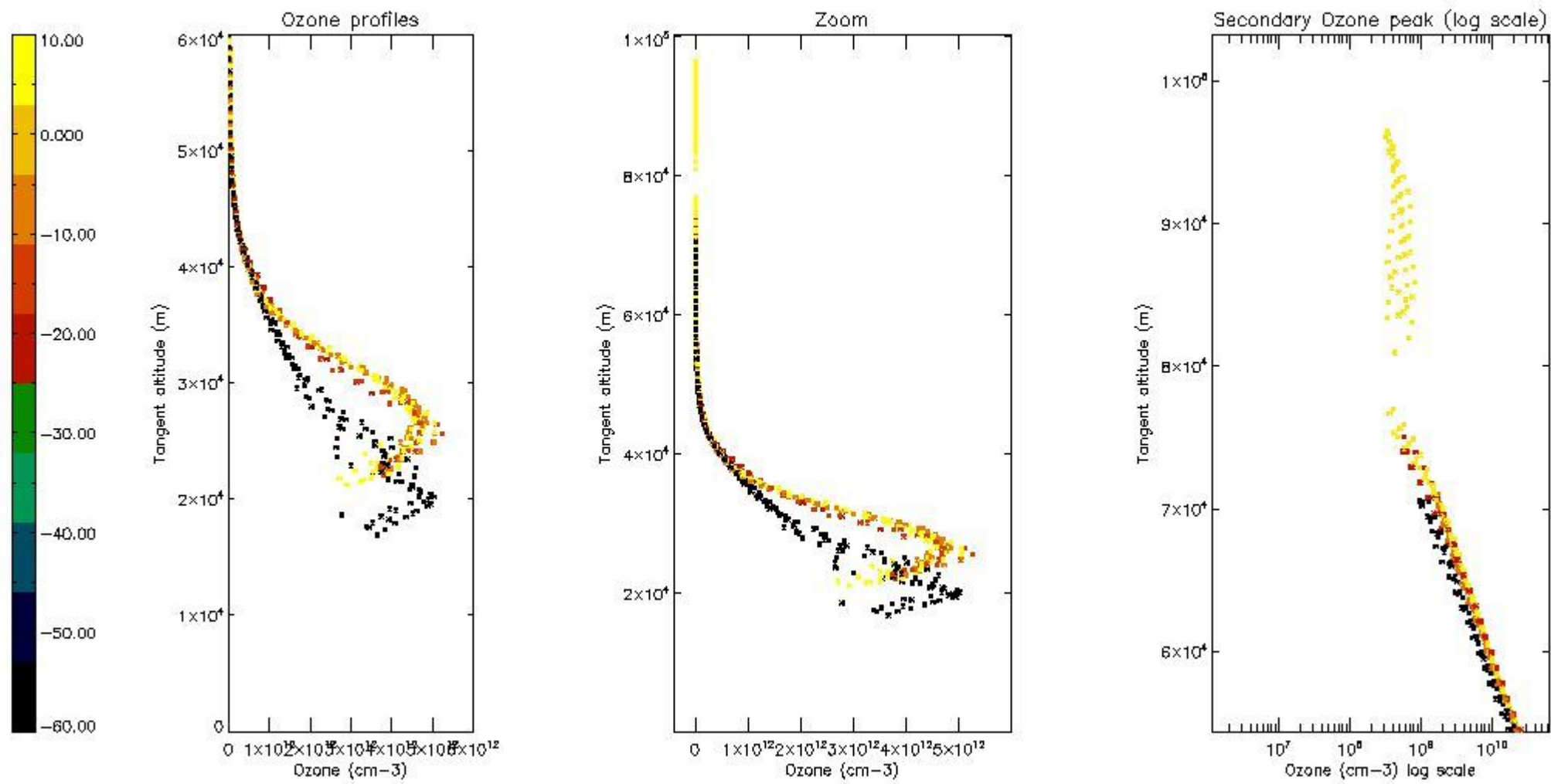
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



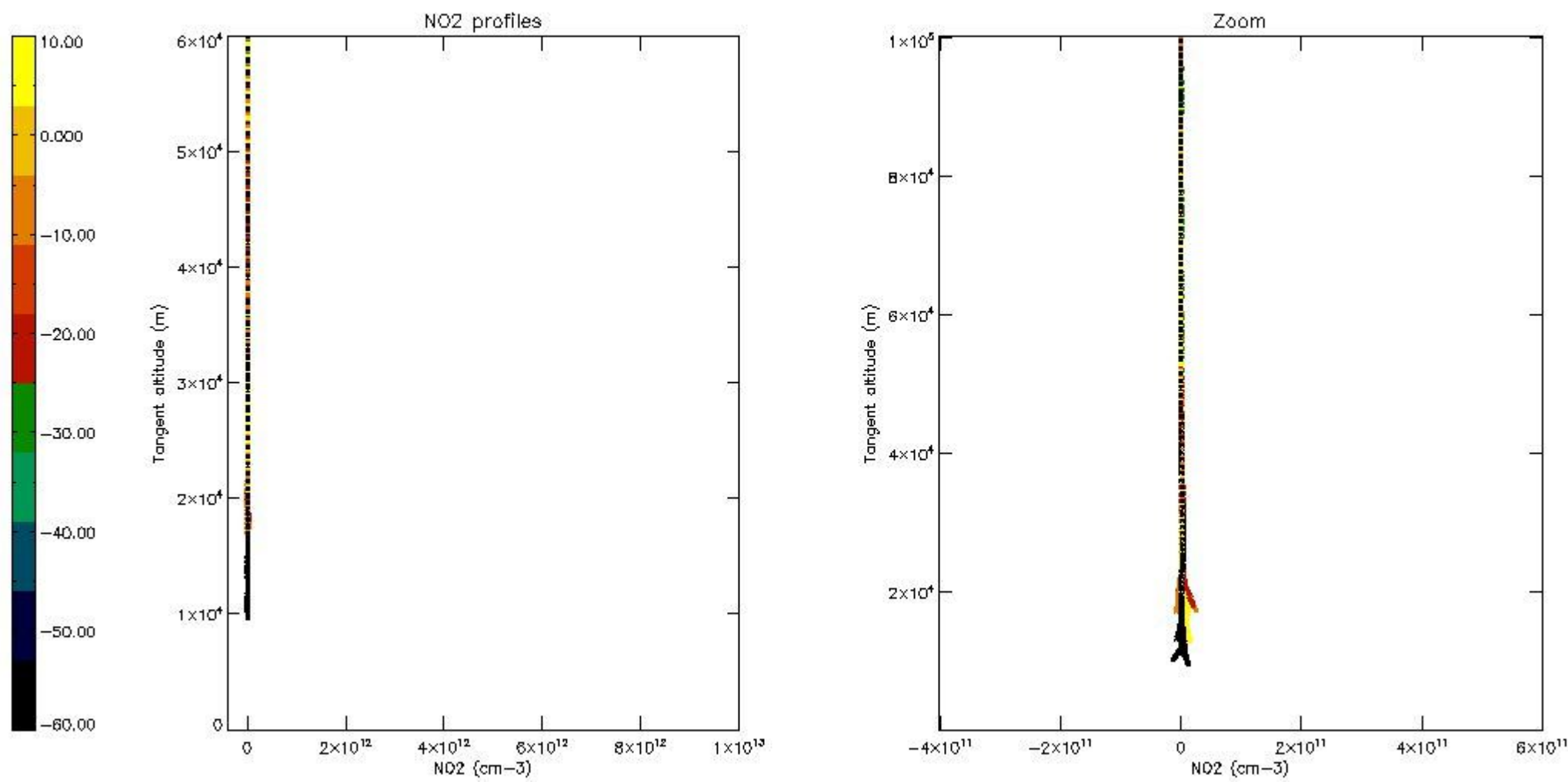
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



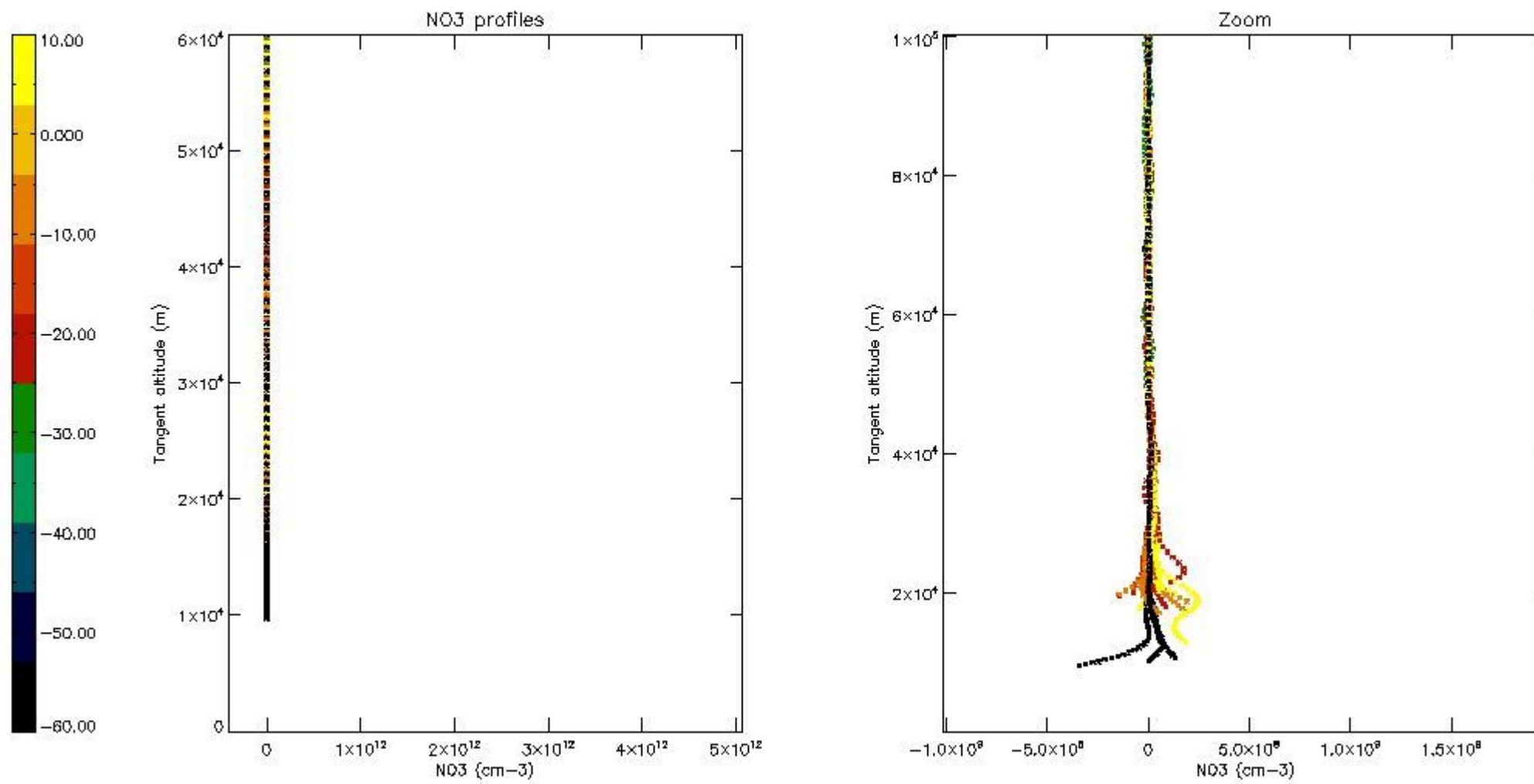
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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

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

| Type | Auxiliary Filename | Used since product | Used since product date |
|---------------------------|---|--------------------|-------------------------|
| INST_PHYS_CHARACTERISTICS | GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000 | 1 | 02-APR-2009 02:19:36 |
| LEVEL-2_PROC_CONFIG | GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000 | 1 | 02-APR-2009 02:19:36 |
| CROSS_SECTIONS_FILE | GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000 | 1 | 02-APR-2009 02:19:36 |

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

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[4. Level 1 Quality information per product \(stored on level 2 products\)](#)

[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](#)

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

[4.2 Plot of level 1 quality information per product \(world map\)](#)

[4.2.1 Plot of level 1 quality information per product \(world map\): ASCENDING](#)

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[5. Ozone profiles based on quality statistics and other trace gas profiles](#)

[5.1 Ozone statistics based on quality of products](#)

[5.2 Plot ozone profiles for all STD \(dark without errors\)](#)

[5.3 Plot ozone profiles where STD < 20% \(dark without errors\)](#)

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[5.5. Plot ozone profiles where STD < 5% \(dark without errors\)](#)

[5.6 Plot NO2 profiles for all STD \(dark without errors\)](#)

[5.7 Plot NO3 profiles for all STD \(dark without errors\)](#)

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

[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 | 26APR2013 08:33:02 |
| Data source version | GOMOS/6.01 |
| Start time of products | 02-04-2009 (02APR2009 00:00:00) |
| Stop time of products | 03-04-2009 (03APR2009 00:00:00) |
| Store outputs in DB | Yes |
| Nb of level 2 prods | 70 |
| Nb of prods with errors | 0 |

2. Summary of processed GOM_NL__2P products.

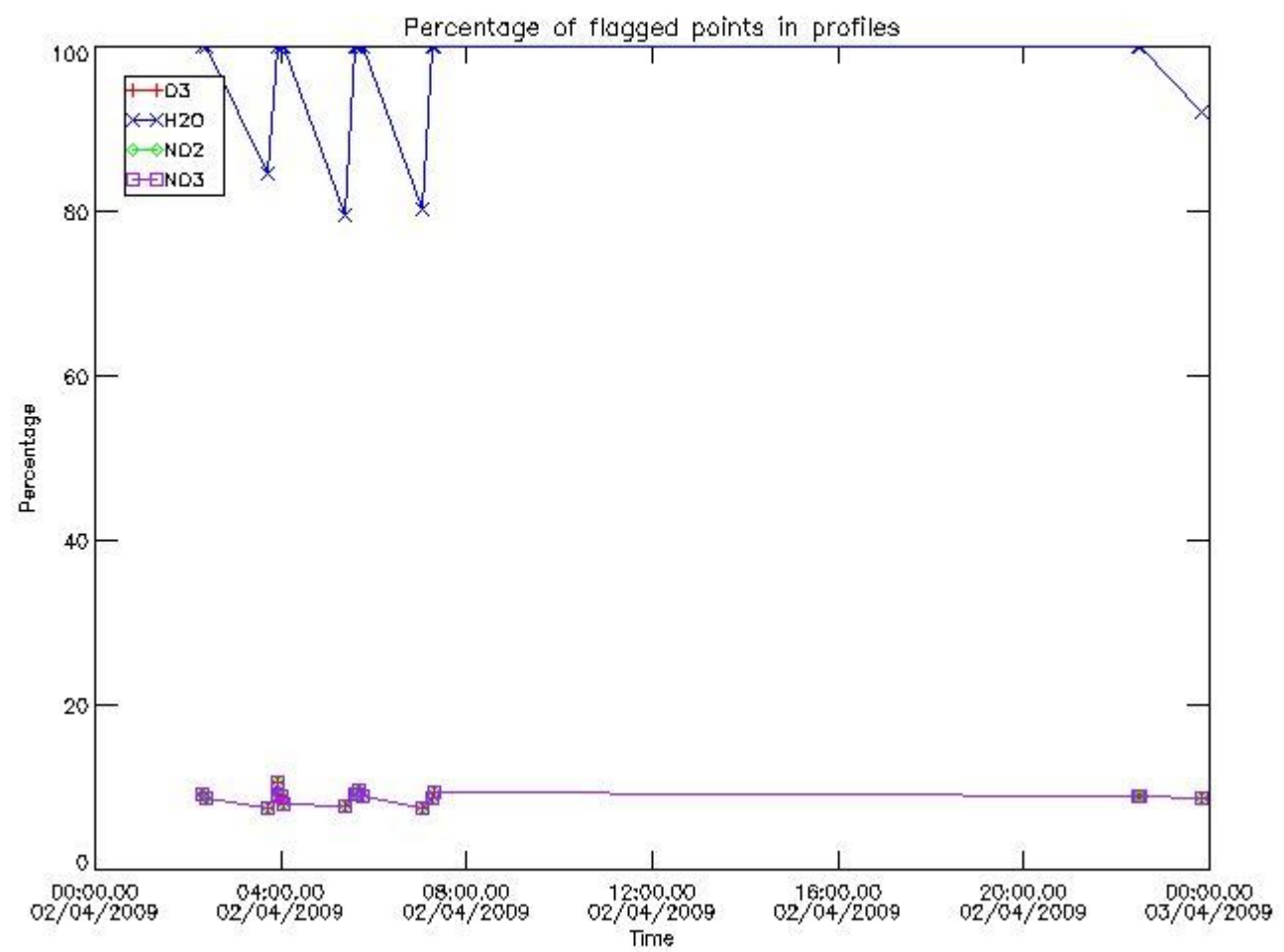
| Nr | Filename | UTC Start time | Limb | Duration | Star Id | Star Name | Star Mag | Star Temp | Nb Meas | Orbit | Prod. error |
|----|--|----------------------|------------|----------|---------|-----------|----------|-----------|---------|-------|-------------|
| 1 | GOM_NL__2PRFIN20090402_021936_000000552077_00433_37060_4911.N1 | 02-APR-2009 02:19:36 | Dark | 55.000 | 38 | 20Eps Sgr | 1.8360 | 11000. | 110 | 37060 | No |
| 2 | GOM_NL__2PRFIN20090402_022349_000000592077_00433_37060_4912.N1 | 02-APR-2009 02:23:49 | Dark | 59.000 | 25 | 35Lam Sco | 1.6200 | 28000. | 118 | 37060 | No |
| 3 | GOM_NL__2PRFIN20090402_023128_000000532077_00433_37060_4913.N1 | 02-APR-2009 02:31:28 | Straylight | 52.500 | 131 | Gam Lup | 2.8000 | 26000. | 105 | 37060 | No |
| 4 | GOM_NL__2PRFIN20090402_023353_000000472077_00433_37060_4914.N1 | 02-APR-2009 02:33:53 | Straylight | 46.500 | 81 | Eta Cen | 2.3560 | 28000. | 93 | 37060 | No |
| 5 | GOM_NL__2PRFIN20090402_023635_000000512077_00433_37060_4915.N1 | 02-APR-2009 02:36:35 | Straylight | 51.000 | 54 | 5The Cen | 2.0550 | 4500.0 | 102 | 37060 | No |
| 6 | GOM_NL__2PRFIN20090402_024200_000000492077_00433_37060_4916.N1 | 02-APR-2009 02:42:00 | Twilight | 48.500 | 169 | 46Gam Hya | 2.9910 | 4700.0 | 97 | 37060 | No |
| 7 | GOM_NL__2PRFIN20090402_024614_000000672077_00433_37060_4917.N1 | 02-APR-2009 02:46:14 | Bright | 66.500 | 15 | 67Alp Vir | 0.97600 | 28000. | 133 | 37060 | No |
| 8 | GOM_NL__2PRFIN20090402_024928_000000442077_00433_37060_4918.N1 | 02-APR-2009 02:49:28 | Bright | 44.000 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 88 | 37060 | No |
| 9 | GOM_NL__2PRFIN20090402_025401_000000482077_00433_37060_4919.N1 | 02-APR-2009 02:54:01 | Bright | 48.000 | 138 | 47Eps Vir | 2.8280 | 4700.0 | 96 | 37060 | No |
| 10 | GOM_NL__2PRFIN20090402_030236_000000432077_00433_37060_4920.N1 | 02-APR-2009 03:02:36 | Bright | 42.500 | 152 | 12Alp2CVn | 2.8900 | 11000. | 85 | 37060 | No |
| 11 | GOM_NL__2PRFIN20090402_030719_000000412077_00433_37060_4921.N1 | 02-APR-2009 03:07:19 | Bright | 40.500 | 32 | 77Eps UMa | 1.7630 | 11000. | 81 | 37060 | No |
| 12 | GOM_NL__2PRFIN20090402_031625_000000472077_00433_37060_4922.N1 | 02-APR-2009 03:16:25 | Bright | 47.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 94 | 37060 | No |
| 13 | GOM_NL__2PRFIN20090402_032803_000000472077_00433_37060_4923.N1 | 02-APR-2009 03:28:03 | Bright | 46.500 | 144 | 18Del Cyg | 2.8600 | 11000. | 93 | 37060 | No |
| 14 | GOM_NL__2PRFIN20090402_032959_000000462077_00433_37060_4924.N1 | 02-APR-2009 03:29:59 | Bright | 45.500 | 66 | 37Gam Cyg | 2.2080 | 5900.0 | 91 | 37060 | No |
| 15 | GOM_NL__2PRFIN20090402_033202_000000442077_00433_37060_4925.N1 | 02-APR-2009 03:32:02 | Bright | 44.000 | 92 | 53Eps Cyg | 2.5000 | 4500.0 | 88 | 37060 | No |
| 16 | GOM_NL__2PRFIN20090402_034221_000000692077_00433_37060_4926.N1 | 02-APR-2009 03:42:21 | Dark | 69.000 | 11 | 53Alp Aql | 0.76500 | 8000.0 | 138 | 37060 | No |
| 17 | GOM_NL__2PRFIN20090402_035428_000000482077_00433_37060_4927.N1 | 02-APR-2009 03:54:28 | Dark | 48.000 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 96 | 37060 | No |
| 18 | GOM_NL__2PRFIN20090402_035640_000000552077_00433_37060_4928.N1 | 02-APR-2009 03:56:40 | Dark | 55.000 | 57 | 34Sig Sgr | 2.0660 | 26000. | 110 | 37060 | No |
| 19 | GOM_NL__2PRFIN20090402_040013_000000572077_00434_37061_4924.N1 | 02-APR-2009 04:00:13 | Dark | 56.500 | 38 | 20Eps Sgr | 1.8360 | 11000. | 113 | 37061 | No |
| 20 | GOM_NL__2PRFIN20090402_040427_000000652077_00434_37061_4925.N1 | 02-APR-2009 04:04:27 | Dark | 64.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 129 | 37061 | No |
| 21 | GOM_NL__2PRFIN20090402_041204_000000502077_00434_37061_4926.N1 | 02-APR-2009 04:12:04 | Straylight | 50.000 | 131 | Gam Lup | 2.8000 | 26000. | 100 | 37061 | No |
| 22 | GOM_NL__2PRFIN20090402_041429_000000502077_00434_37061_4927.N1 | 02-APR-2009 04:14:29 | Straylight | 50.000 | 81 | Eta Cen | 2.3560 | 28000. | 100 | 37061 | No |
| 23 | GOM_NL__2PRFIN20090402_041711_000000482077_00434_37061_4928.N1 | 02-APR-2009 04:17:11 | Straylight | 48.000 | 54 | 5The Cen | 2.0550 | 4500.0 | 96 | 37061 | No |
| 24 | GOM_NL__2PRFIN20090402_042236_000000492077_00434_37061_4929.N1 | 02-APR-2009 04:22:36 | Twilight | 49.000 | 169 | 46Gam Hya | 2.9910 | 4700.0 | 98 | 37061 | No |
| 25 | GOM_NL__2PRFIN20090402_042650_000000612077_00434_37061_4930.N1 | 02-APR-2009 04:26:50 | Bright | 60.500 | 15 | 67Alp Vir | 0.97600 | 28000. | 121 | 37061 | No |
| 26 | GOM_NL__2PRFIN20090402_043004_000000432077_00434_37061_4931.N1 | 02-APR-2009 04:30:04 | Bright | 43.000 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 86 | 37061 | No |
| 27 | GOM_NL__2PRFIN20090402_043436_000000582077_00434_37061_4932.N1 | 02-APR-2009 04:34:36 | Bright | 58.000 | 138 | 47Eps Vir | 2.8280 | 4700.0 | 116 | 37061 | No |
| 28 | GOM_NL__2PRFIN20090402_044311_000000422077_00434_37061_4933.N1 | 02-APR-2009 04:43:11 | Bright | 42.000 | 152 | 12Alp2CVn | 2.8900 | 11000. | 84 | 37061 | No |
| 29 | GOM_NL__2PRFIN20090402_044754_000000592077_00434_37061_4934.N1 | 02-APR-2009 04:47:54 | Bright | 59.000 | 32 | 77Eps UMa | 1.7630 | 11000. | 118 | 37061 | No |
| 30 | GOM_NL__2PRFIN20090402_045700_000000712077_00434_37061_4935.N1 | 02-APR-2009 04:57:00 | Bright | 70.500 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 141 | 37061 | No |
| 31 | GOM_NL__2PRFIN20090402_050839_000000452077_00434_37061_4936.N1 | 02-APR-2009 05:08:39 | Bright | 45.000 | 144 | 18Del Cyg | 2.8600 | 11000. | 90 | 37061 | No |
| 32 | GOM_NL__2PRFIN20090402_051035_000000442077_00434_37061_4937.N1 | 02-APR-2009 05:10:35 | Bright | 44.000 | 66 | 37Gam Cyg | 2.2080 | 5900.0 | 88 | 37061 | No |
| 33 | GOM_NL__2PRFIN20090402_051239_000000482077_00434_37061_4938.N1 | 02-APR-2009 05:12:39 | Bright | 47.500 | 92 | 53Eps Cyg | 2.5000 | 4500.0 | 95 | 37061 | No |
| 34 | GOM_NL__2PRFIN20090402_052258_000000672077_00434_37061_4939.N1 | 02-APR-2009 05:22:58 | Dark | 66.500 | 11 | 53Alp Aql | 0.76500 | 8000.0 | 133 | 37061 | No |
| 35 | GOM_NL__2PRFIN20090402_053506_000000562077_00434_37061_4940.N1 | 02-APR-2009 05:35:06 | Dark | 56.000 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 112 | 37061 | No |
| 36 | GOM_NL__2PRFIN20090402_053717_000000552077_00434_37061_4941.N1 | 02-APR-2009 05:37:17 | Dark | 55.000 | 57 | 34Sig Sgr | 2.0660 | 26000. | 110 | 37061 | No |
| 37 | GOM_NL__2PRFIN20090402_054051_000000542077_00435_37062_4964.N1 | 02-APR-2009 05:40:51 | Dark | 53.500 | 38 | 20Eps Sgr | 1.8360 | 11000. | 107 | 37062 | No |
| 38 | GOM_NL__2PRFIN20090402_054504_000000572077_00435_37062_4965.N1 | 02-APR-2009 05:45:04 | Dark | 56.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 113 | 37062 | No |
| 39 | GOM_NL__2PRFIN20090402_055241_000000502077_00435_37062_4966.N1 | 02-APR-2009 05:52:41 | Straylight | 50.000 | 131 | Gam Lup | 2.8000 | 26000. | 100 | 37062 | No |
| 40 | GOM_NL__2PRFIN20090402_055506_000000472077_00435_37062_4967.N1 | 02-APR-2009 05:55:06 | Straylight | 47.000 | 81 | Eta Cen | 2.3560 | 28000. | 94 | 37062 | No |
| 41 | GOM_NL__2PRFIN20090402_055748_000000572077_00435_37062_4968.N1 | 02-APR-2009 05:57:48 | Straylight | 57.000 | 54 | 5The Cen | 2.0550 | 4500.0 | 114 | 37062 | No |
| 42 | GOM_NL__2PRFIN20090402_060313_000000492077_00435_37062_4969.N1 | 02-APR-2009 06:03:13 | Twilight | 49.000 | 169 | 46Gam Hya | 2.9910 | 4700.0 | 98 | 37062 | No |

| | | | | | | | | | | | |
|----|--|----------------------|----------------|--------|-----|-----------|---------|--------|-----|-------|----|
| 43 | GOM_NL__2PRFIN20090402_060726_000000672077_00435_37062_4970.N1 | 02-APR-2009 06:07:26 | Bright | 66.500 | 15 | 67Alp Vir | 0.97600 | 28000. | 133 | 37062 | No |
| 44 | GOM_NL__2PRFIN20090402_061039_000000452077_00435_37062_4971.N1 | 02-APR-2009 06:10:39 | Bright | 44.500 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 89 | 37062 | No |
| 45 | GOM_NL__2PRFIN20090402_061512_000000472077_00435_37062_4972.N1 | 02-APR-2009 06:15:12 | Bright | 46.500 | 138 | 47Eps Vir | 2.8280 | 4700.0 | 93 | 37062 | No |
| 46 | GOM_NL__2PRFIN20090402_062346_000000432077_00435_37062_4973.N1 | 02-APR-2009 06:23:46 | Bright | 42.500 | 152 | 12Alp2CVn | 2.8900 | 11000. | 85 | 37062 | No |
| 47 | GOM_NL__2PRFIN20090402_062830_000000392077_00435_37062_4974.N1 | 02-APR-2009 06:28:30 | Bright | 39.000 | 32 | 77Eps UMa | 1.7630 | 11000. | 78 | 37062 | No |
| 48 | GOM_NL__2PRFIN20090402_063735_000000462077_00435_37062_4975.N1 | 02-APR-2009 06:37:35 | Bright | 46.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 92 | 37062 | No |
| 49 | GOM_NL__2PRFIN20090402_064915_000000522077_00435_37062_4976.N1 | 02-APR-2009 06:49:15 | Bright | 51.500 | 144 | 18Del Cyg | 2.8600 | 11000. | 103 | 37062 | No |
| 50 | GOM_NL__2PRFIN20090402_065111_000000432077_00435_37062_4977.N1 | 02-APR-2009 06:51:11 | Bright | 42.500 | 66 | 37Gam Cyg | 2.2080 | 5900.0 | 85 | 37062 | No |
| 51 | GOM_NL__2PRFIN20090402_065315_000000412077_00435_37062_4978.N1 | 02-APR-2009 06:53:15 | Bright | 40.500 | 92 | 53Eps Cyg | 2.5000 | 4500.0 | 81 | 37062 | No |
| 52 | GOM_NL__2PRFIN20090402_070335_000000692077_00435_37062_4979.N1 | 02-APR-2009 07:03:35 | Dark | 68.500 | 11 | 53Alp Aql | 0.76500 | 8000.0 | 137 | 37062 | No |
| 53 | GOM_NL__2PRFIN20090402_071543_000000592077_00435_37062_4980.N1 | 02-APR-2009 07:15:43 | Dark | 58.500 | 155 | 41Pi Sgr | 2.9000 | 6600.0 | 117 | 37062 | No |
| 54 | GOM_NL__2PRFIN20090402_071755_000000552077_00435_37062_4981.N1 | 02-APR-2009 07:17:55 | Dark | 54.500 | 57 | 34Sig Sgr | 2.0660 | 26000. | 109 | 37062 | No |
| 55 | GOM_NL__2PRFIN20090402_222703_000000582077_00445_37072_5128.N1 | 02-APR-2009 22:27:03 | Dark | 57.500 | 38 | 20Eps Sgr | 1.8360 | 11000. | 115 | 37072 | No |
| 56 | GOM_NL__2PRFIN20090402_223117_000000572077_00445_37072_5129.N1 | 02-APR-2009 22:31:17 | Dark | 56.500 | 25 | 35Lam Sco | 1.6200 | 28000. | 113 | 37072 | No |
| 57 | GOM_NL__2PRFIN20090402_223849_000000492077_00445_37072_5130.N1 | 02-APR-2009 22:38:49 | Straylight | 49.000 | 131 | Gam Lup | 2.8000 | 26000. | 98 | 37072 | No |
| 58 | GOM_NL__2PRFIN20090402_224111_000000452077_00445_37072_5131.N1 | 02-APR-2009 22:41:11 | Straylight | 45.000 | 81 | Eta Cen | 2.3560 | 28000. | 90 | 37072 | No |
| 59 | GOM_NL__2PRFIN20090402_224352_000000512077_00445_37072_5132.N1 | 02-APR-2009 22:43:52 | Straylight | 50.500 | 54 | 5The Cen | 2.0550 | 4500.0 | 101 | 37072 | No |
| 60 | GOM_NL__2PRFIN20090402_224914_000000482077_00445_37072_5133.N1 | 02-APR-2009 22:49:14 | Twilight_stray | 47.500 | 169 | 46Gam Hya | 2.9910 | 4700.0 | 95 | 37072 | No |
| 61 | GOM_NL__2PRFIN20090402_225325_000000682077_00445_37072_5134.N1 | 02-APR-2009 22:53:25 | Bright | 68.000 | 15 | 67Alp Vir | 0.97600 | 28000. | 136 | 37072 | No |
| 62 | GOM_NL__2PRFIN20090402_225638_000000442077_00445_37072_5135.N1 | 02-APR-2009 22:56:38 | Bright | 44.000 | 121 | 29Gam Vir | 2.7400 | 7200.0 | 88 | 37072 | No |
| 63 | GOM_NL__2PRFIN20090402_230107_000000472077_00445_37072_5136.N1 | 02-APR-2009 23:01:07 | Bright | 46.500 | 138 | 47Eps Vir | 2.8280 | 4700.0 | 93 | 37072 | No |
| 64 | GOM_NL__2PRFIN20090402_230940_000000412077_00445_37072_5137.N1 | 02-APR-2009 23:09:40 | Bright | 40.500 | 152 | 12Alp2CVn | 2.8900 | 11000. | 81 | 37072 | No |
| 65 | GOM_NL__2PRFIN20090402_231425_000000422077_00445_37072_5138.N1 | 02-APR-2009 23:14:25 | Bright | 42.000 | 32 | 77Eps UMa | 1.7630 | 11000. | 84 | 37072 | No |
| 66 | GOM_NL__2PRFIN20090402_232327_000000472077_00445_37072_5139.N1 | 02-APR-2009 23:23:27 | Bright | 47.000 | 119 | 14Eta Dra | 2.7270 | 4700.0 | 94 | 37072 | No |
| 67 | GOM_NL__2PRFIN20090402_233512_000000452077_00445_37072_5140.N1 | 02-APR-2009 23:35:12 | Bright | 45.000 | 144 | 18Del Cyg | 2.8600 | 11000. | 90 | 37072 | No |
| 68 | GOM_NL__2PRFIN20090402_233710_000000452077_00445_37072_5141.N1 | 02-APR-2009 23:37:10 | Bright | 44.500 | 66 | 37Gam Cyg | 2.2080 | 5900.0 | 89 | 37072 | No |
| 69 | GOM_NL__2PRFIN20090402_233915_000000452077_00445_37072_5142.N1 | 02-APR-2009 23:39:15 | Bright | 44.500 | 92 | 53Eps Cyg | 2.5000 | 4500.0 | 89 | 37072 | No |
| 70 | GOM_NL__2PRFIN20090402_234943_000000642077_00445_37072_5143.N1 | 02-APR-2009 23:49:43 | Dark | 64.000 | 11 | 53Alp Aql | 0.76500 | 8000.0 | 128 | 37072 | No |

3. Quality information per product

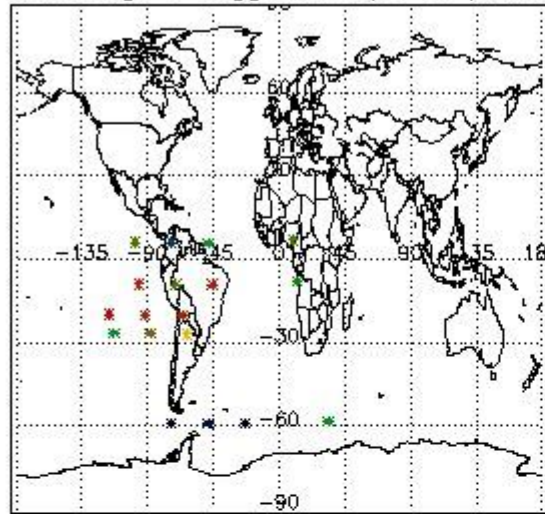
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

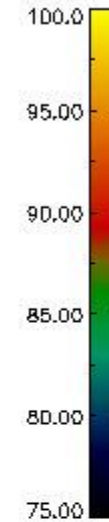
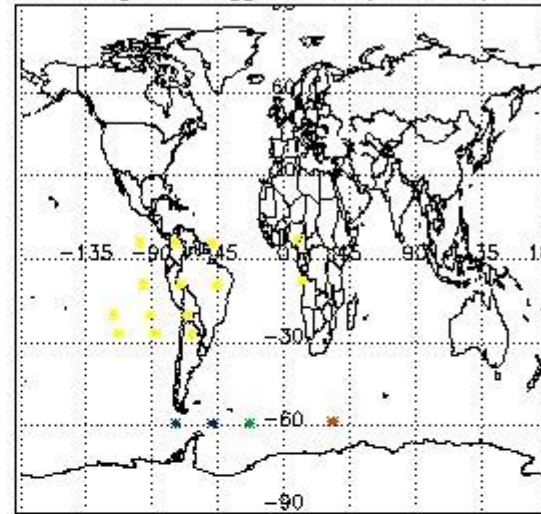


3.2 Plot quality information per product (world map)

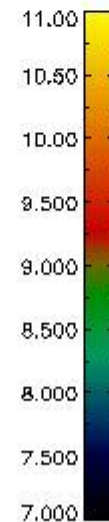
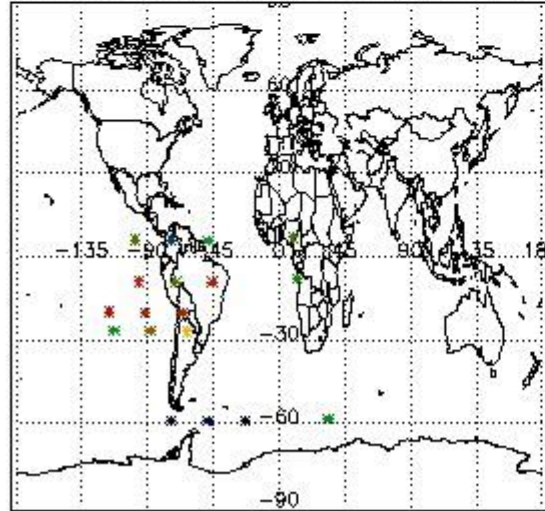
Percentage of flagged data per O3 profile



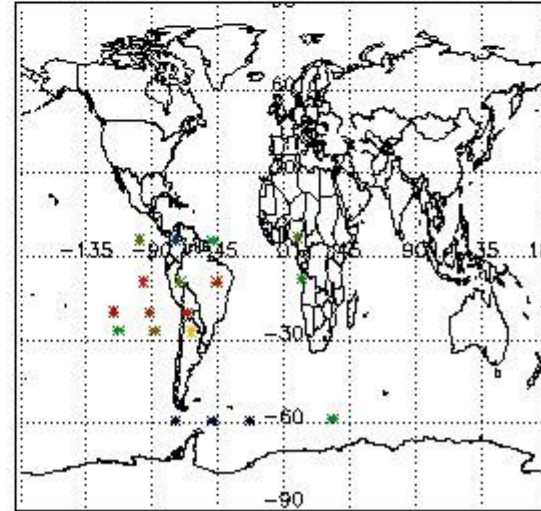
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

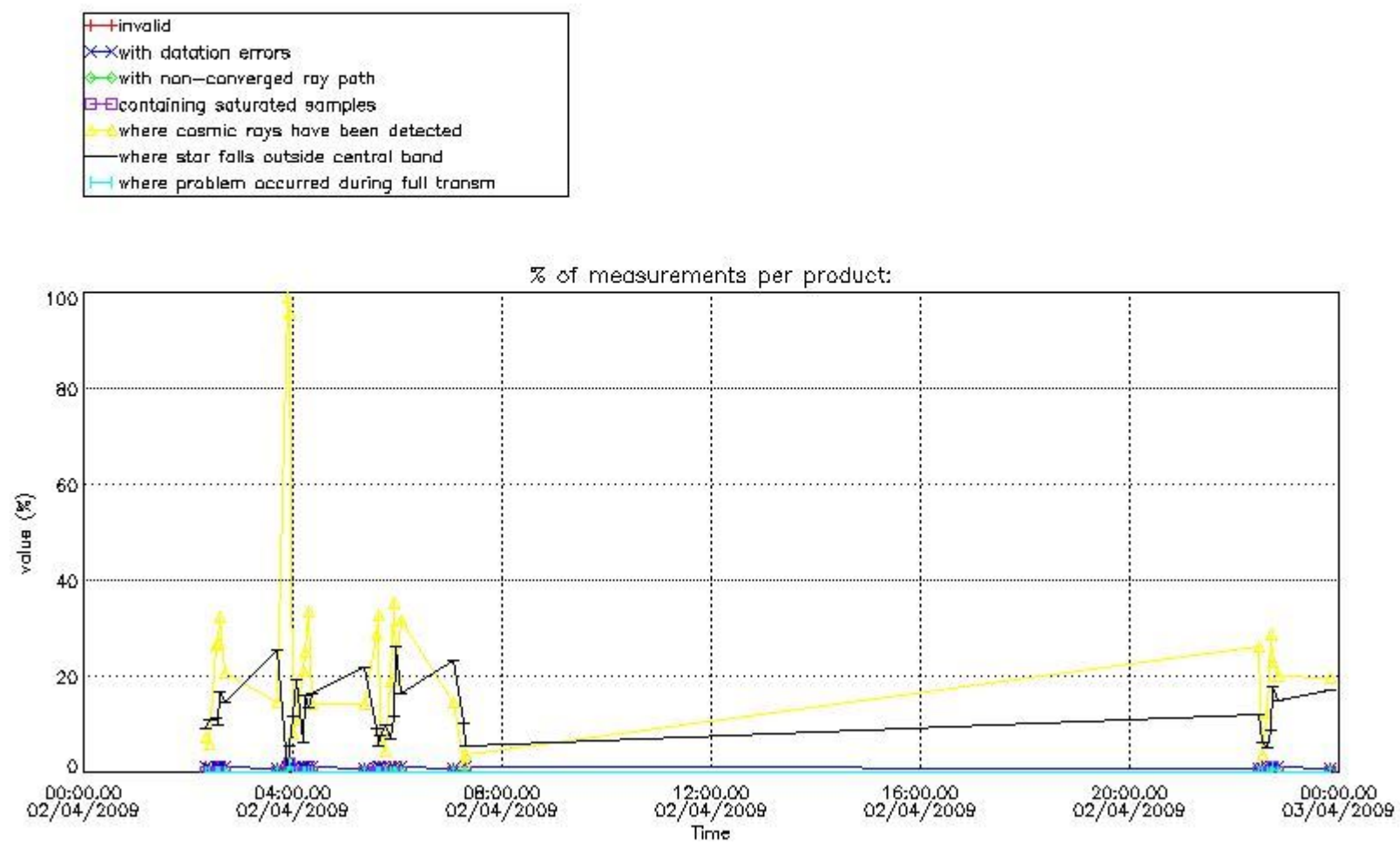


4. Level 1 quality information per product

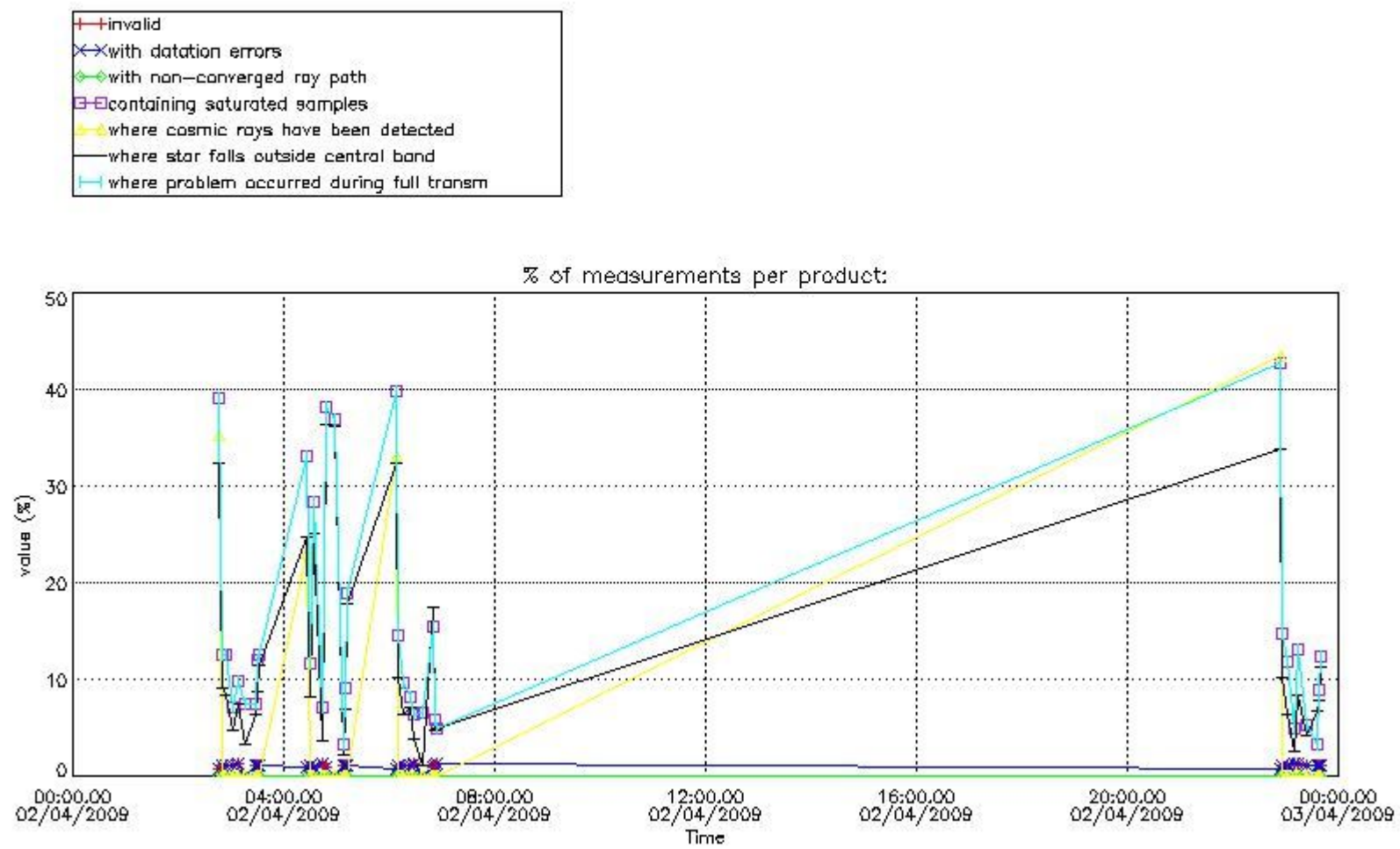
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



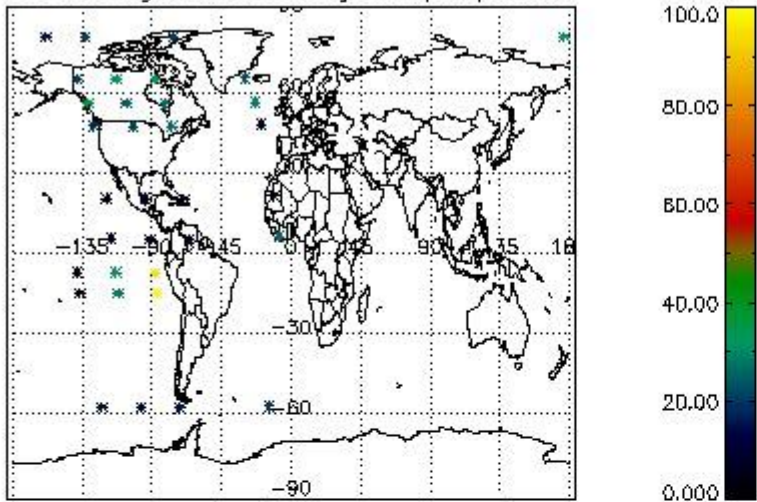
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



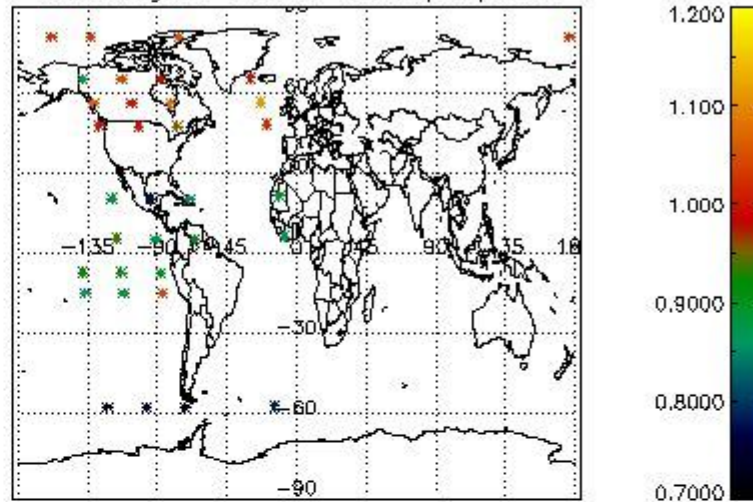
4.2 Plot quality information per product coming from level 1b processing (world map)

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

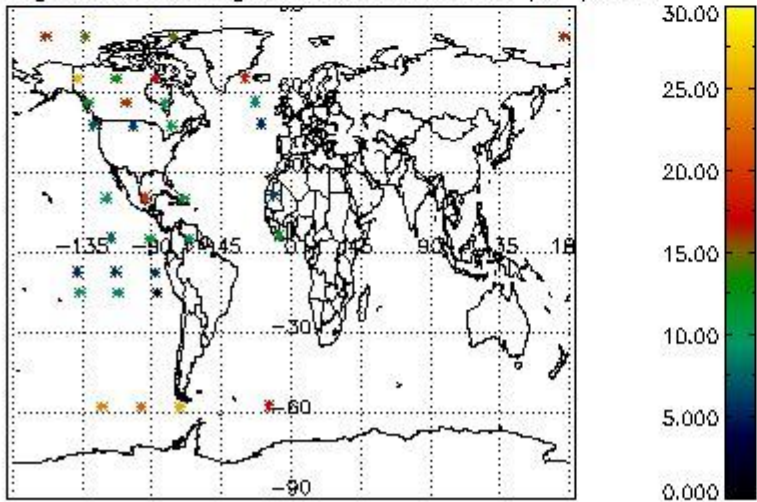
Percentage of cosmic ray hits per profile



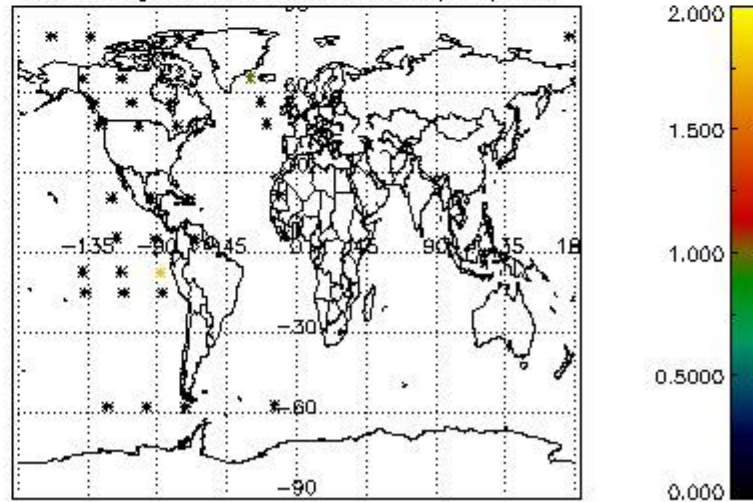
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

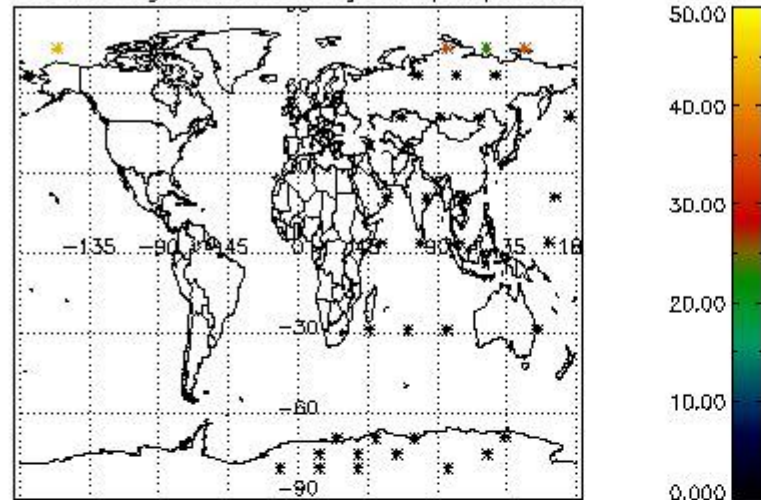


Percentage of saturation errors per profile

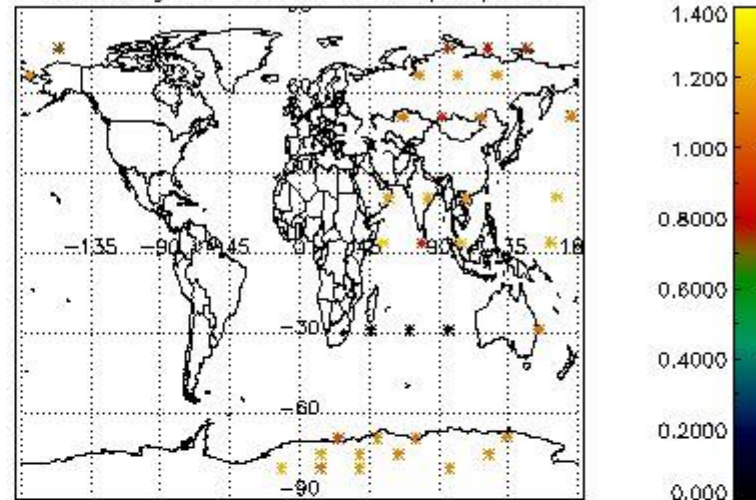


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

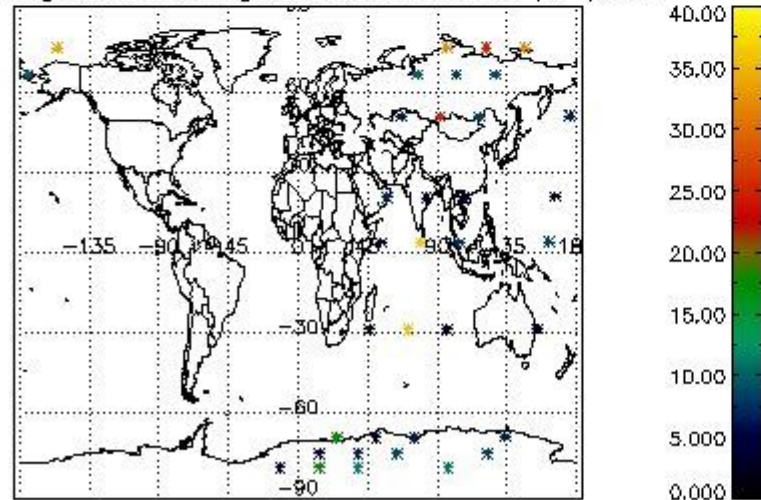
Percentage of cosmic ray hits per profile



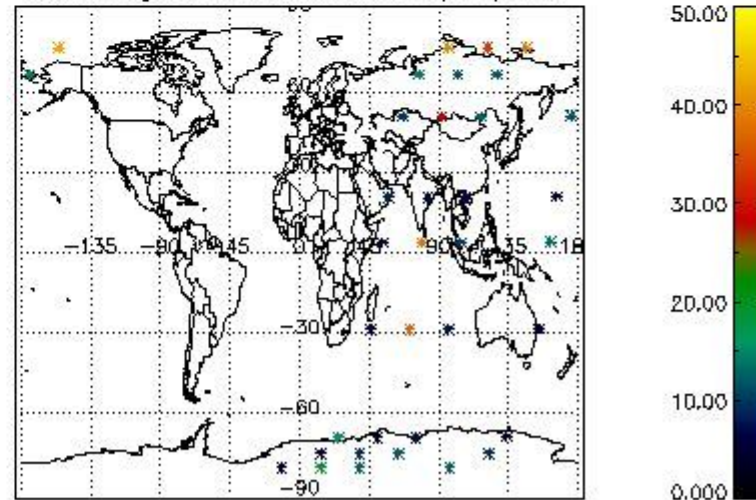
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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

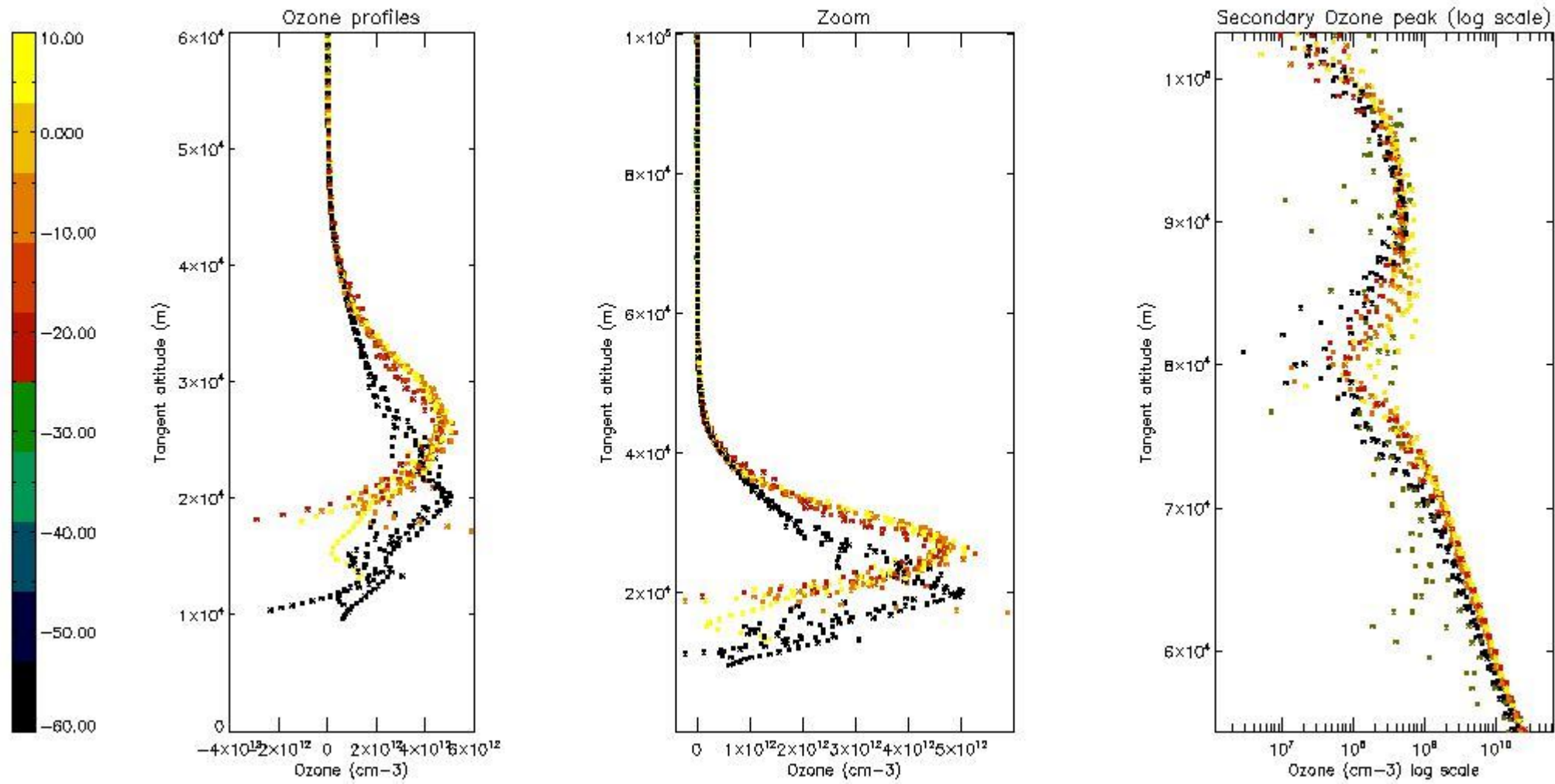
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

| Criteria | % of total production |
|----------|-----------------------|
| All STD | 31 |
| STD < 20 | 19 |

| | |
|----------|----|
| STD < 10 | 16 |
| STD < 5 | 13 |

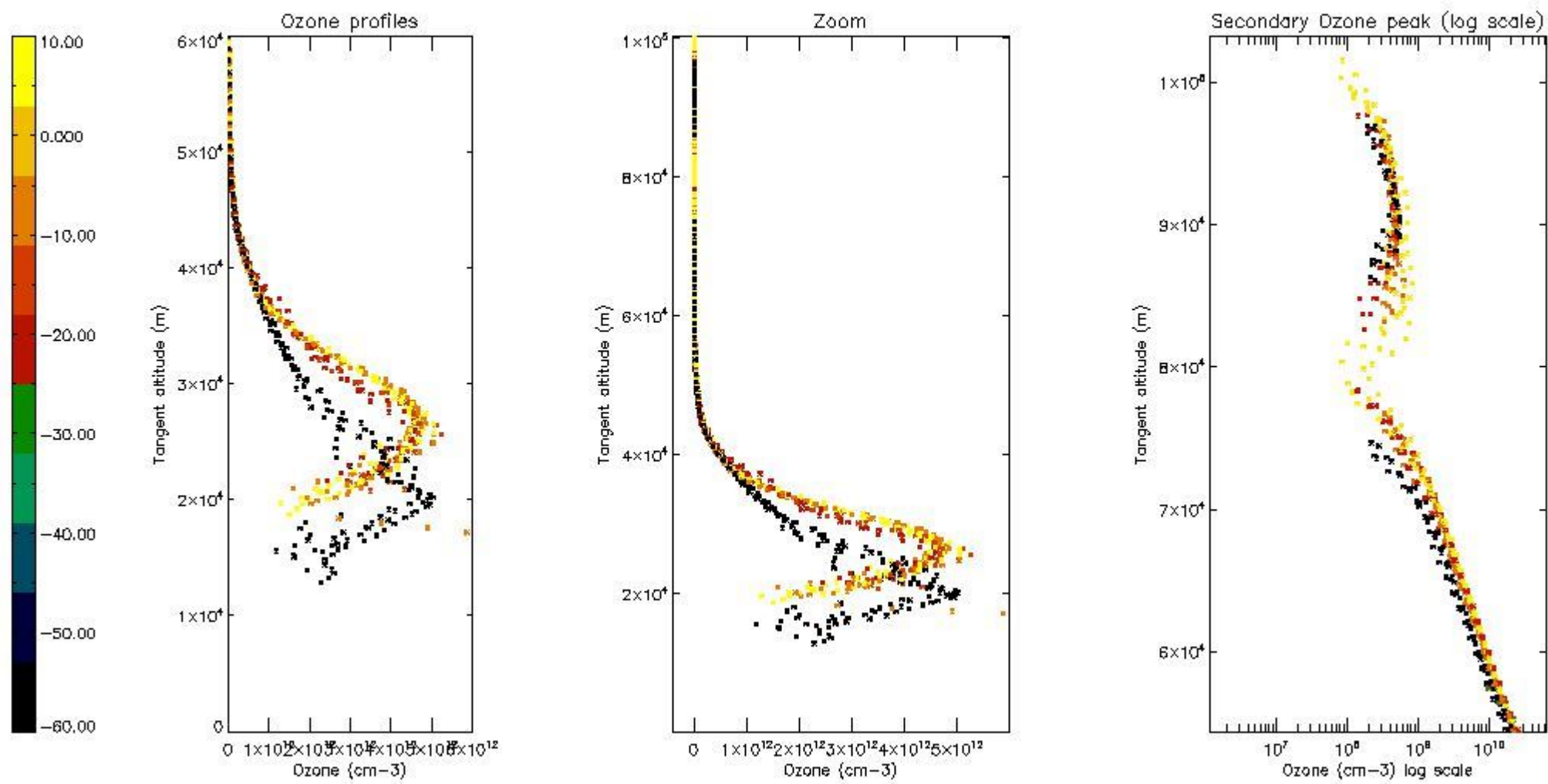
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



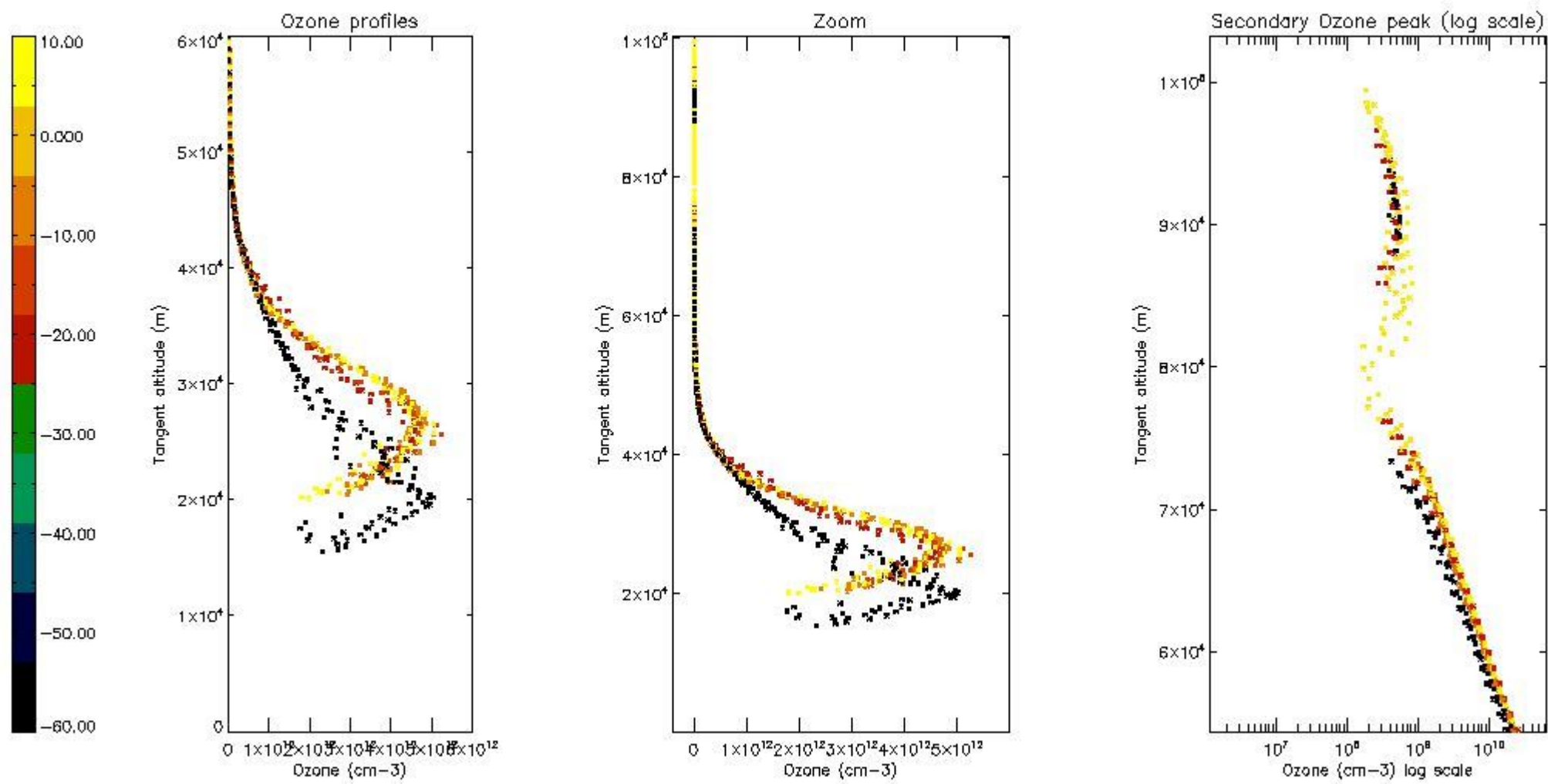
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



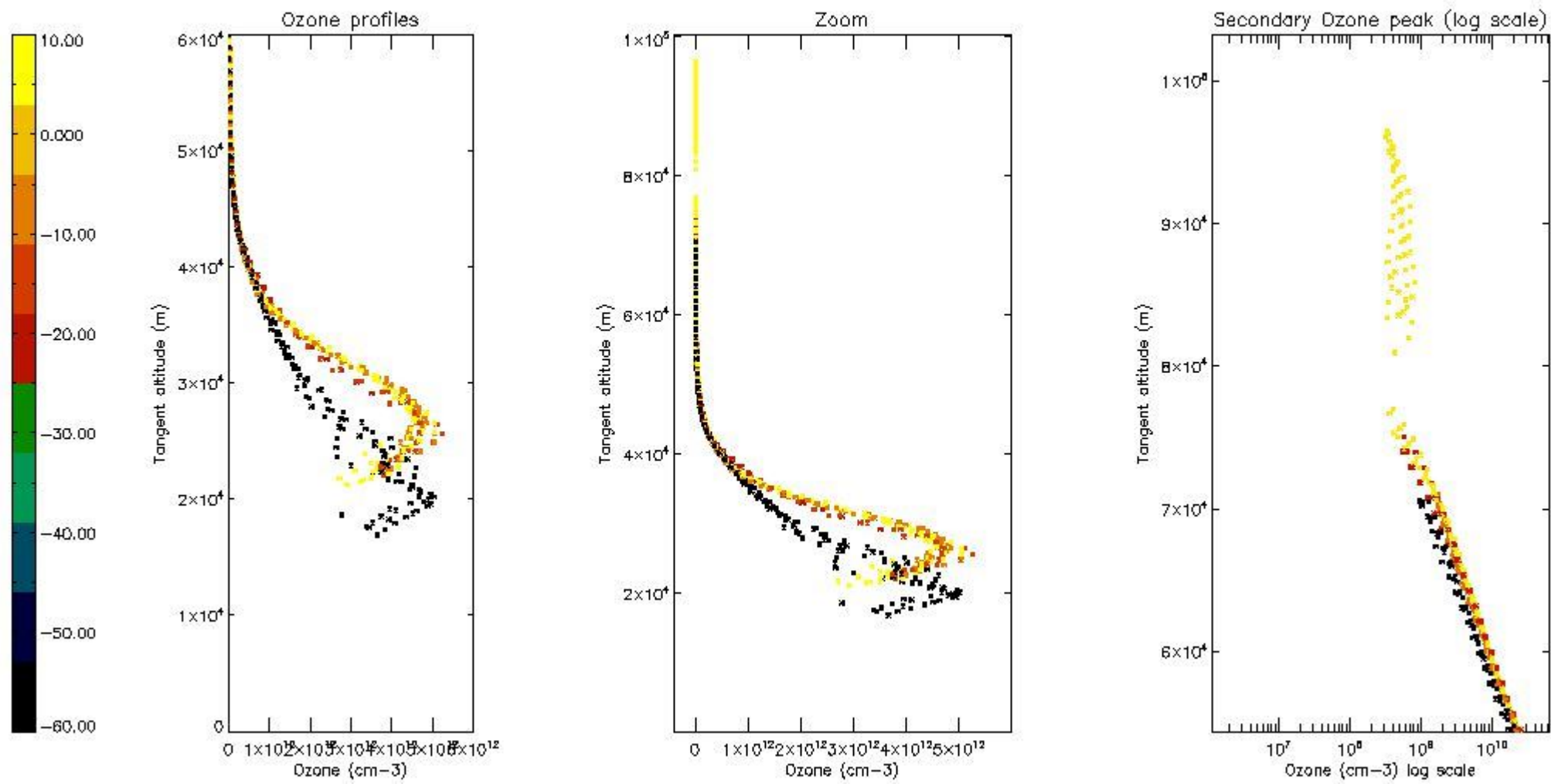
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



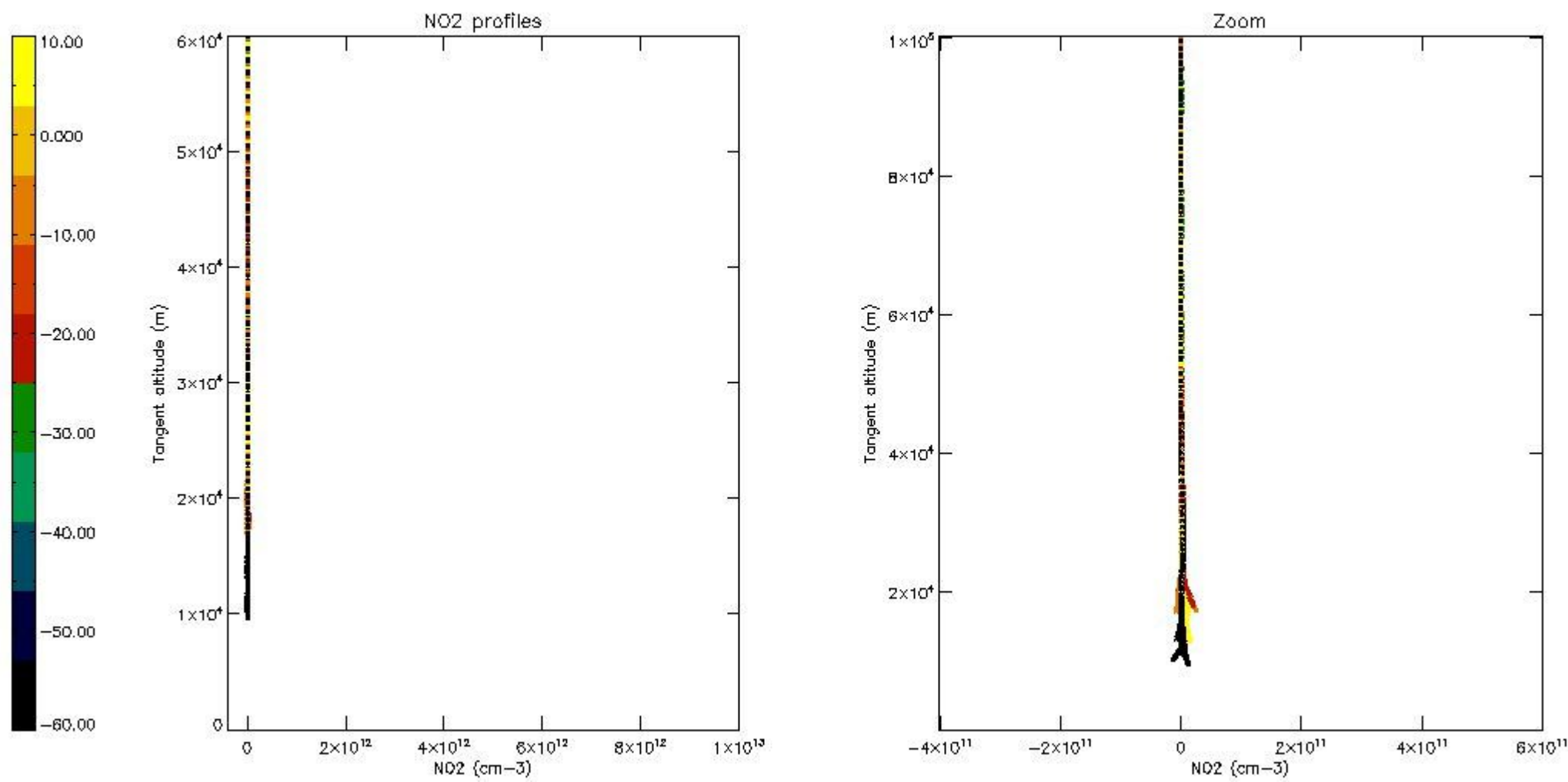
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



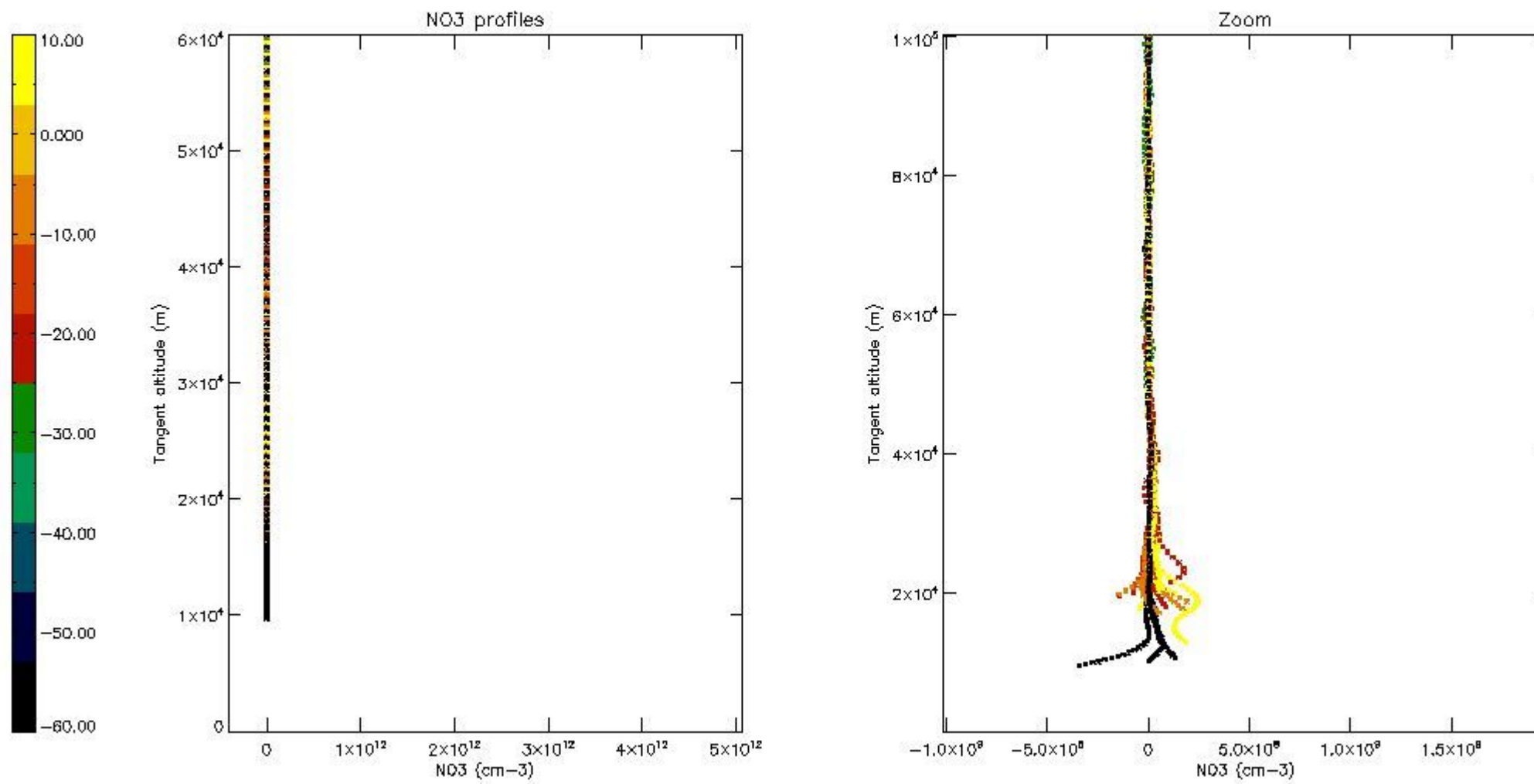
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

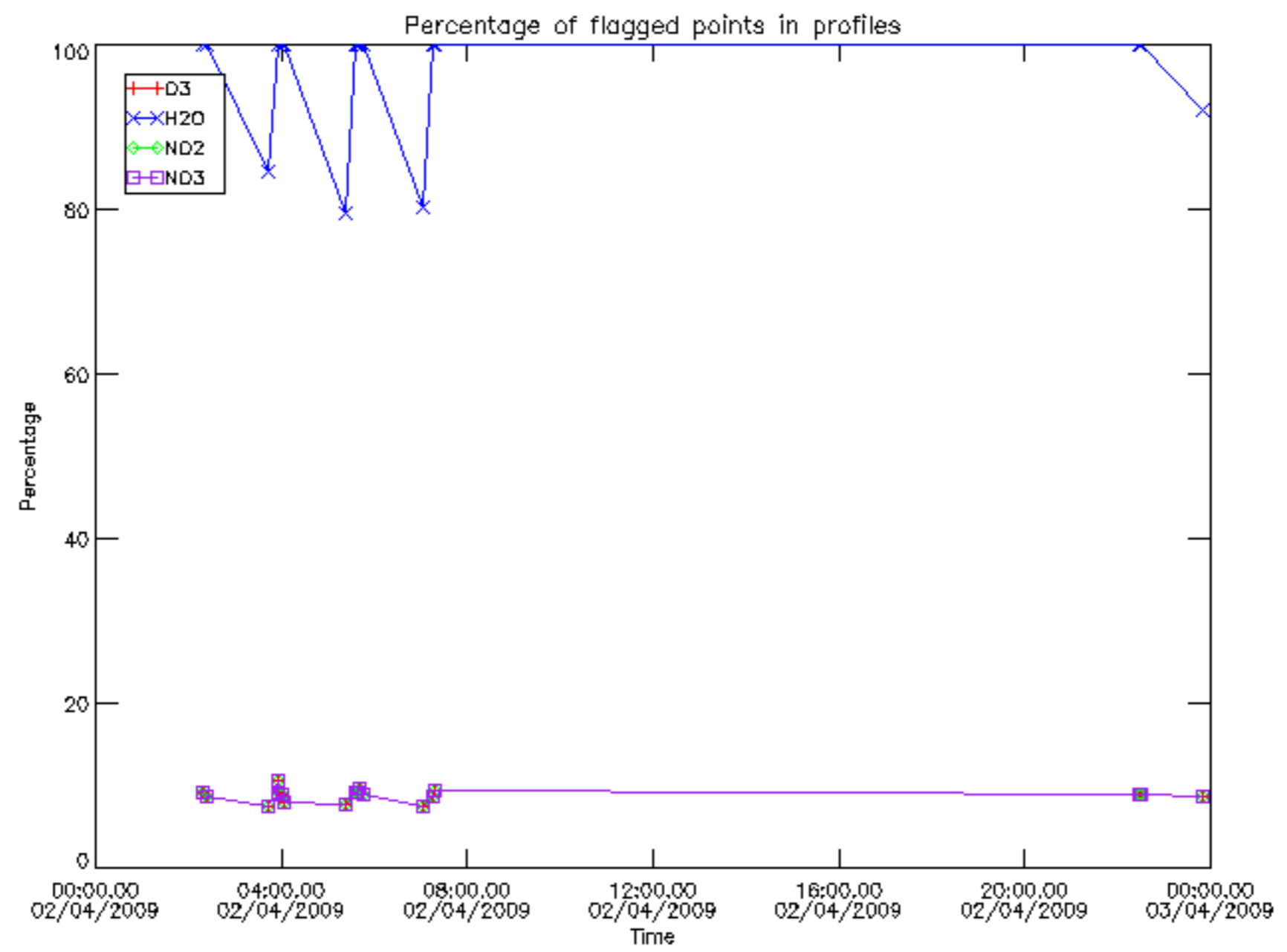
The colorbar represents the latitude.



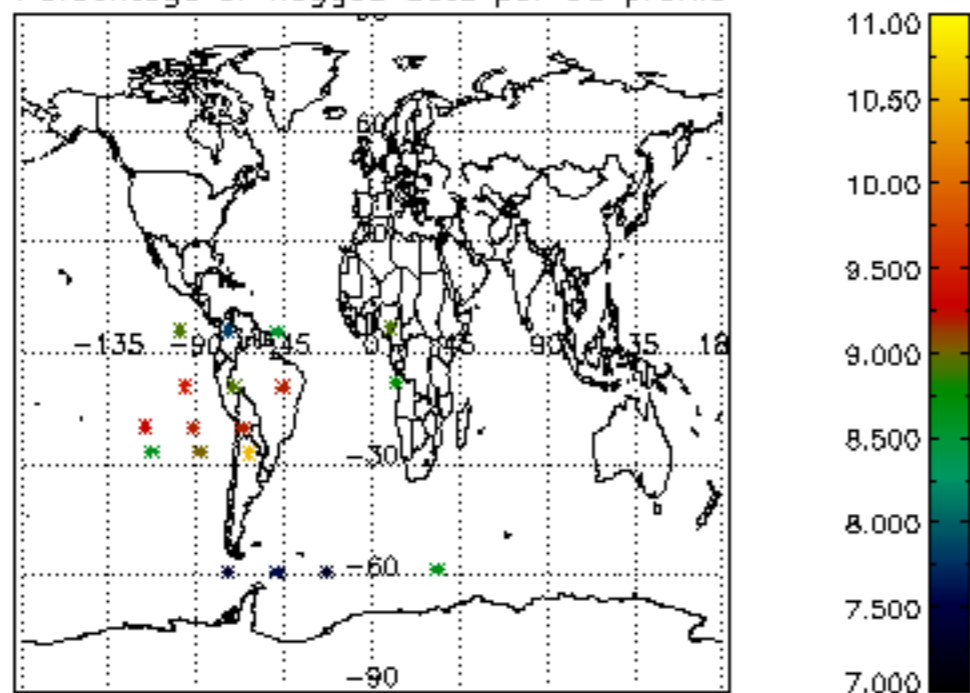
6. Auxiliary Data Files used for the production reported in section 2

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

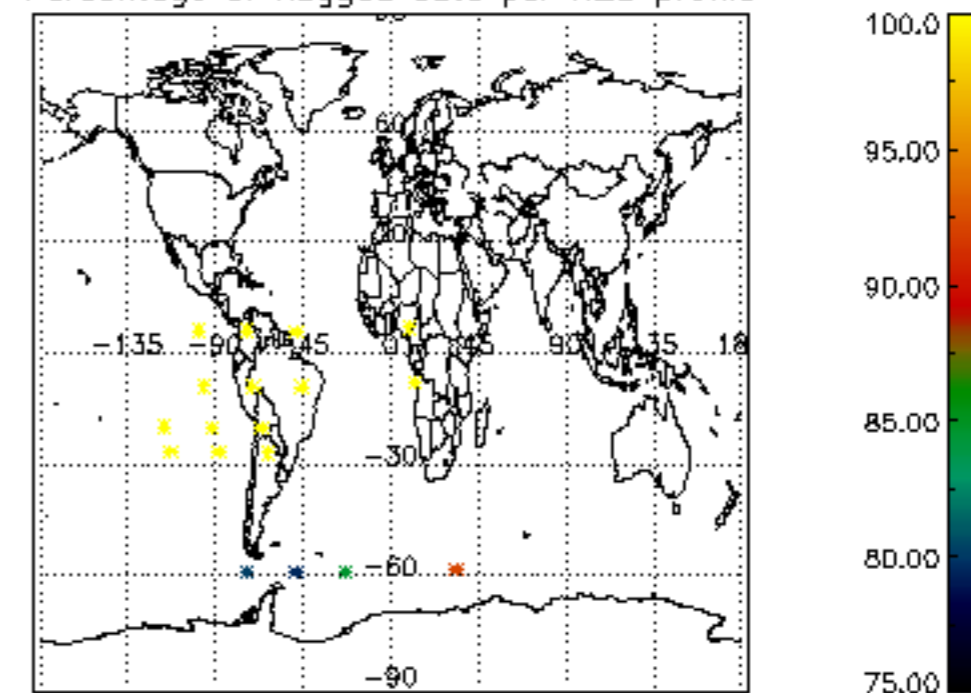
| Type | Auxiliary Filename | Used since product | Used since product date |
|---------------------------|---|--------------------|-------------------------|
| INST_PHYS_CHARACTERISTICS | GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000 | 1 | 02-APR-2009 02:19:36 |
| LEVEL-2_PROC_CONFIG | GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000 | 1 | 02-APR-2009 02:19:36 |
| CROSS_SECTIONS_FILE | GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000 | 1 | 02-APR-2009 02:19:36 |



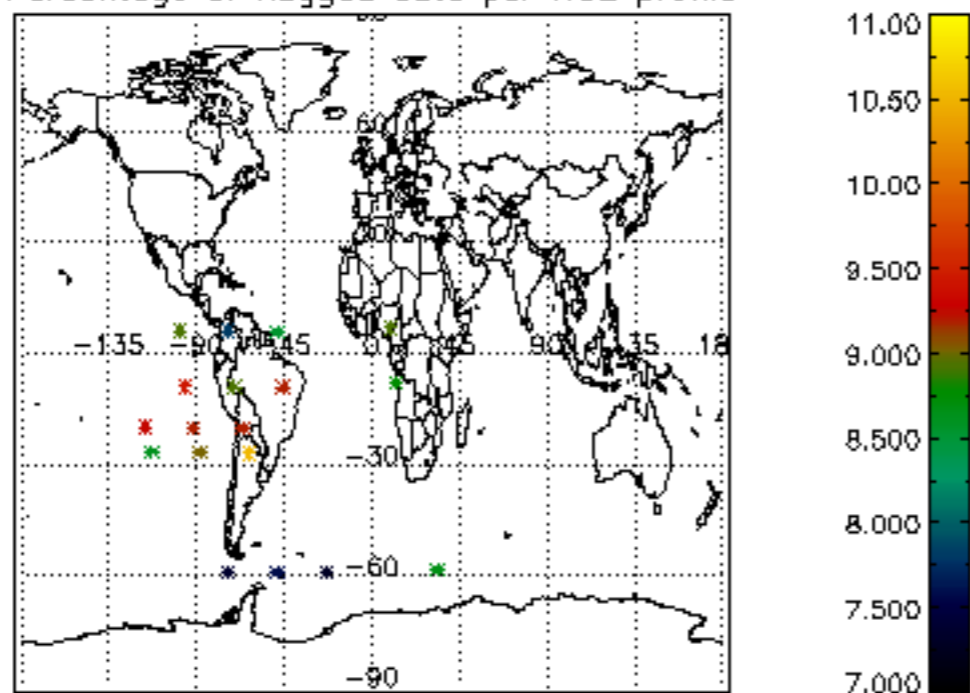
Percentage of flagged data per D3 profile



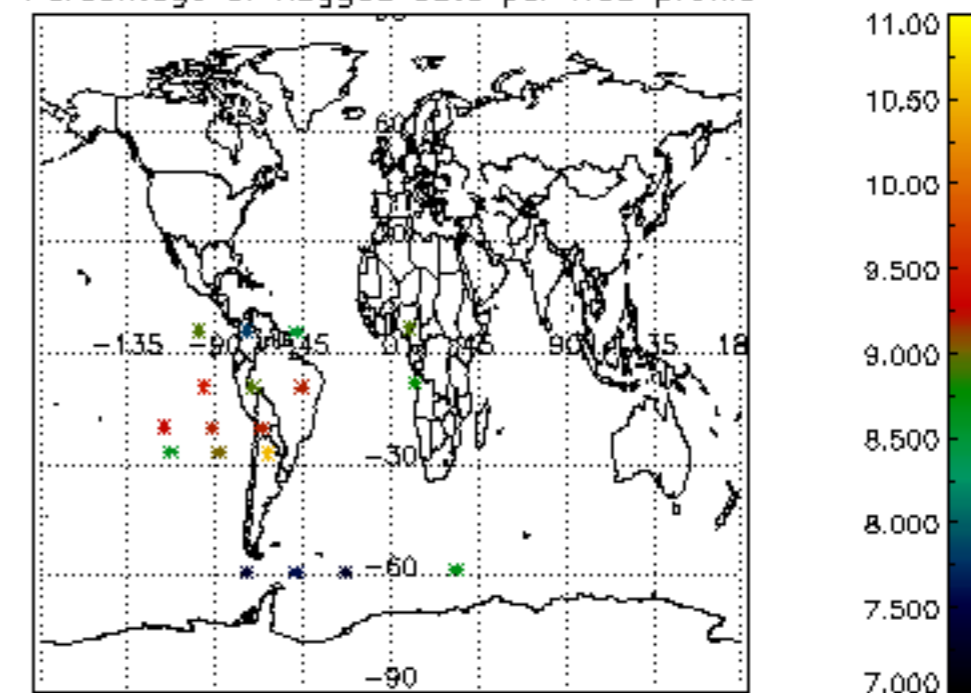
Percentage of flagged data per H2O profile

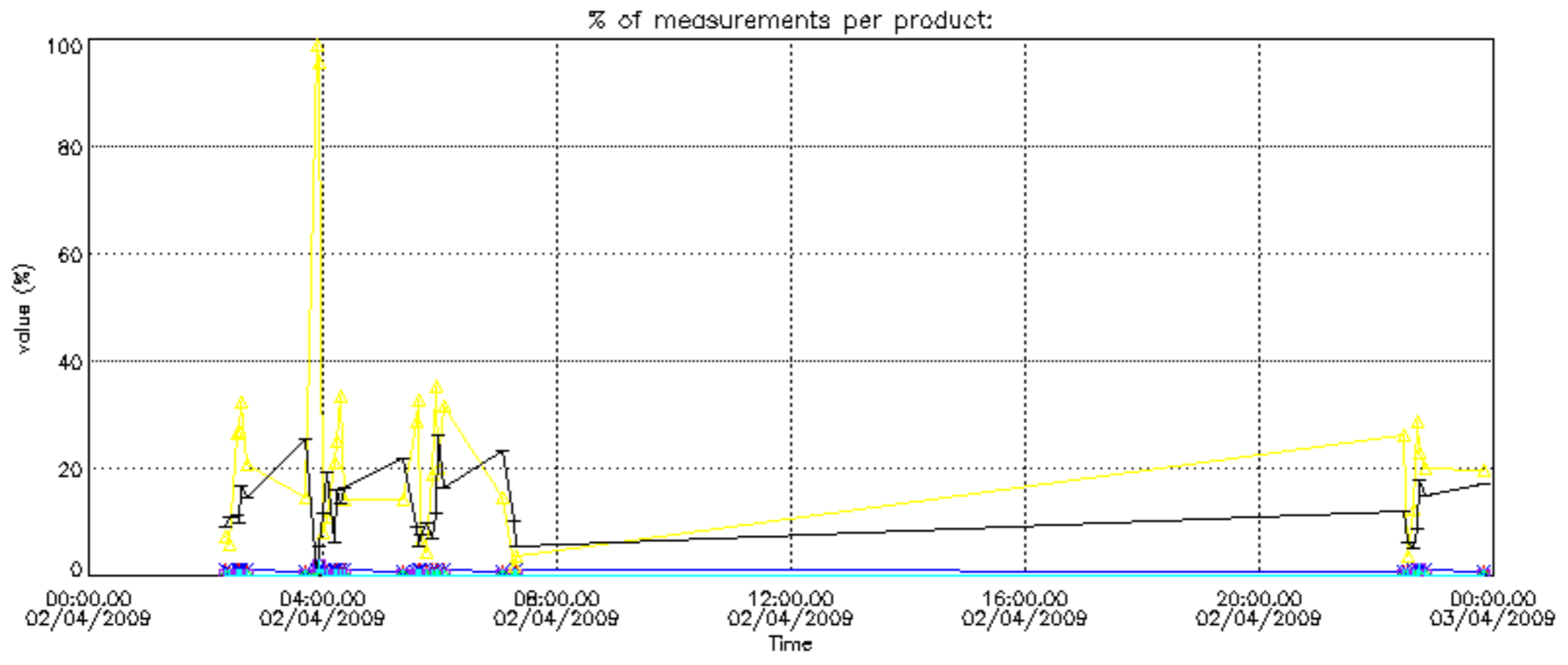


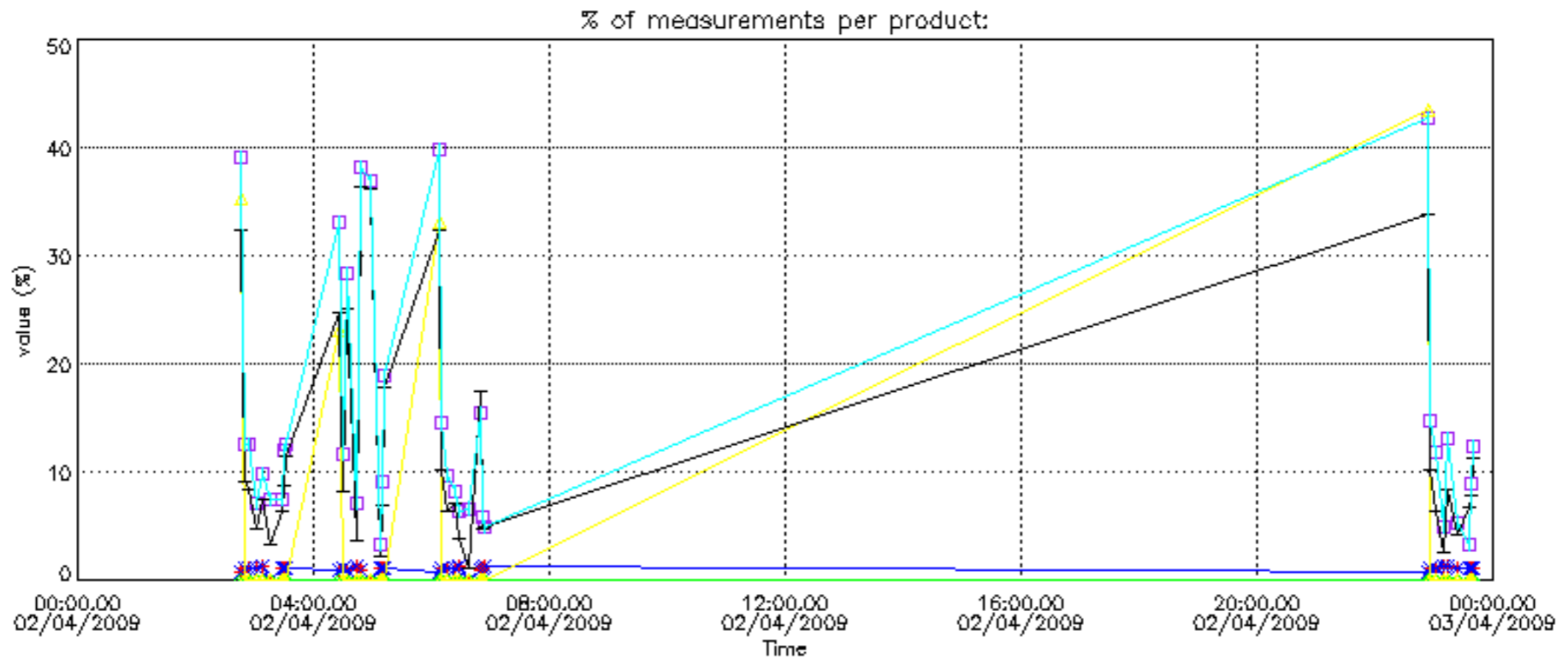
Percentage of flagged data per NO2 profile



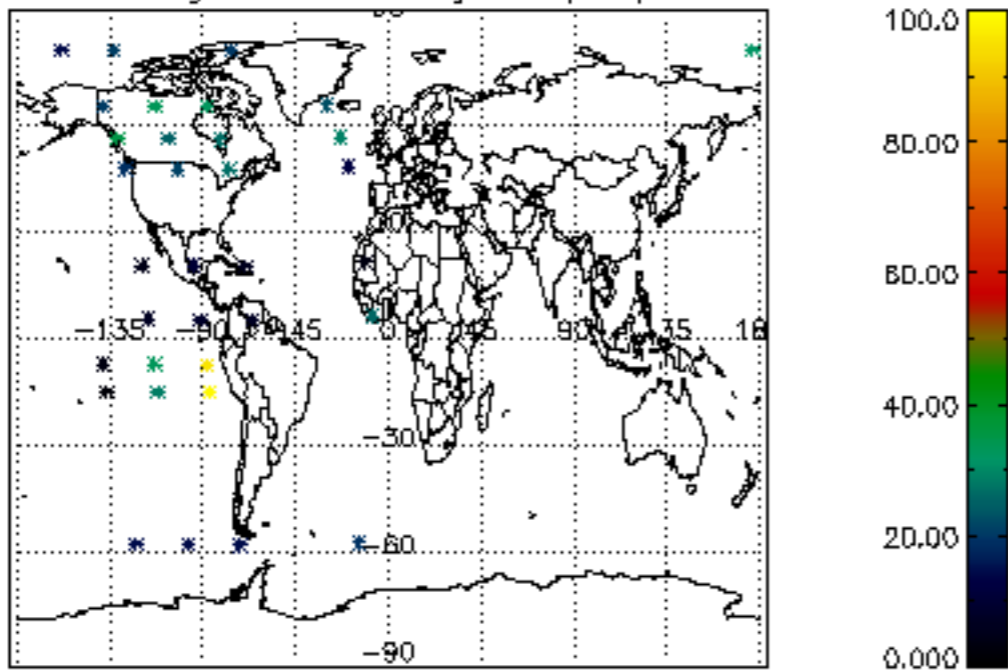
Percentage of flagged data per NO3 profile



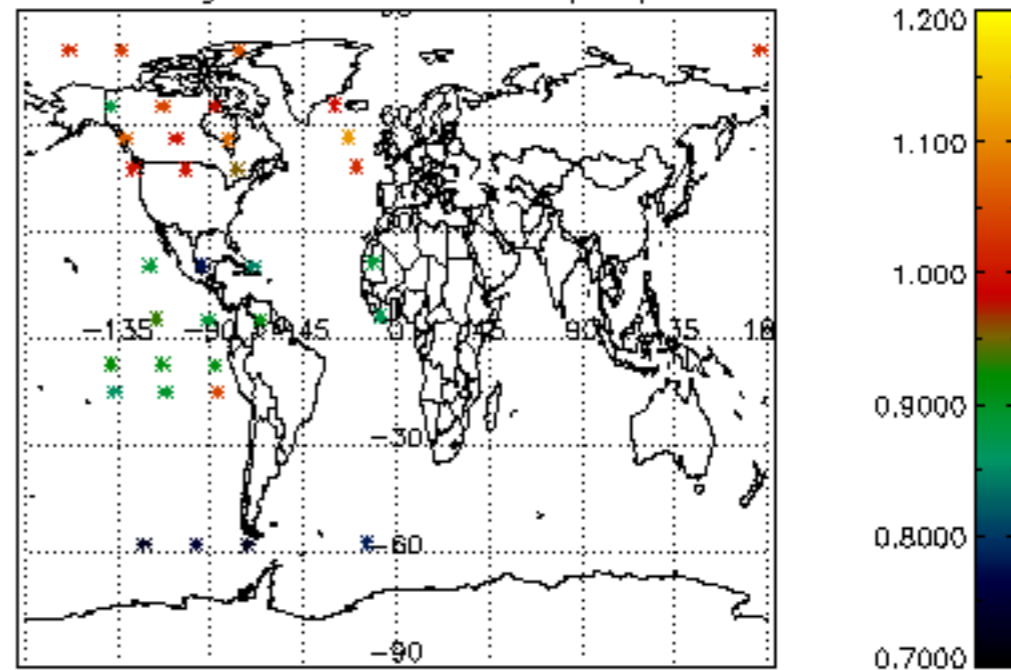




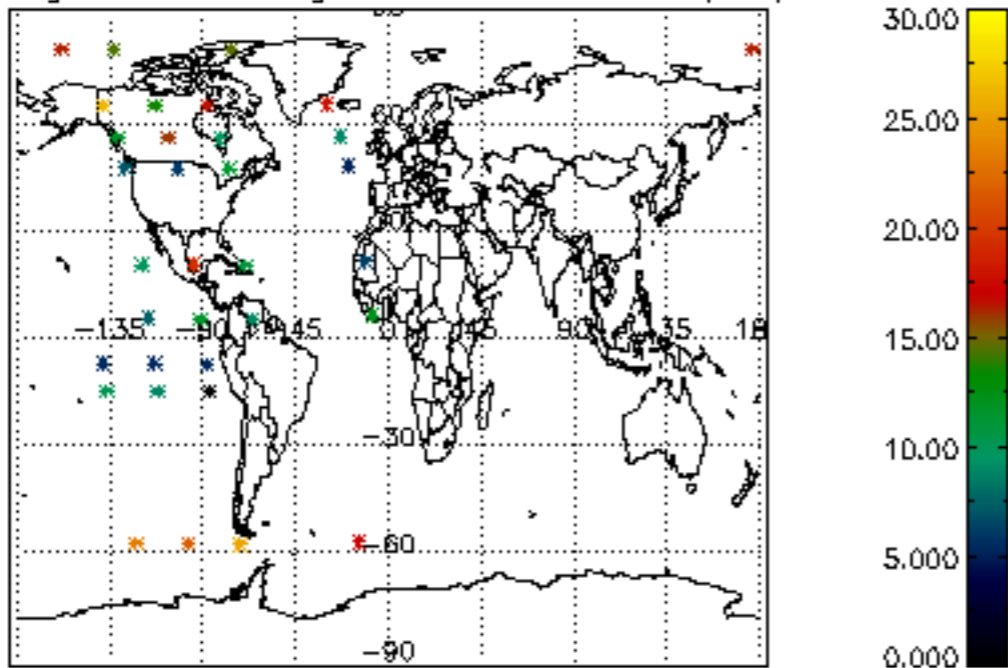
Percentage of cosmic ray hits per profile



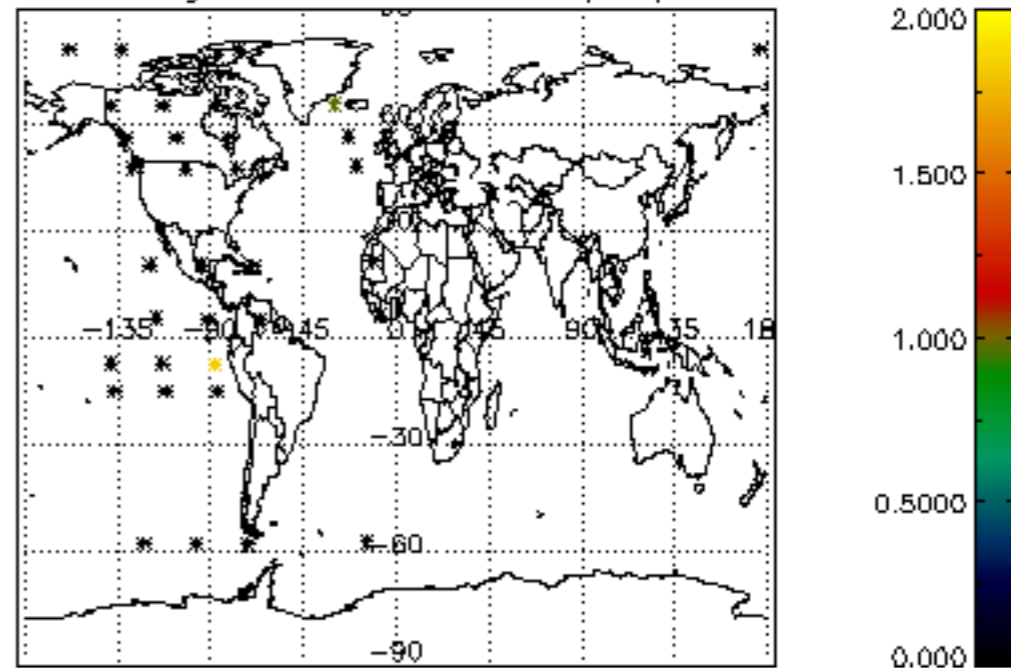
Percentage of datation errors per profile



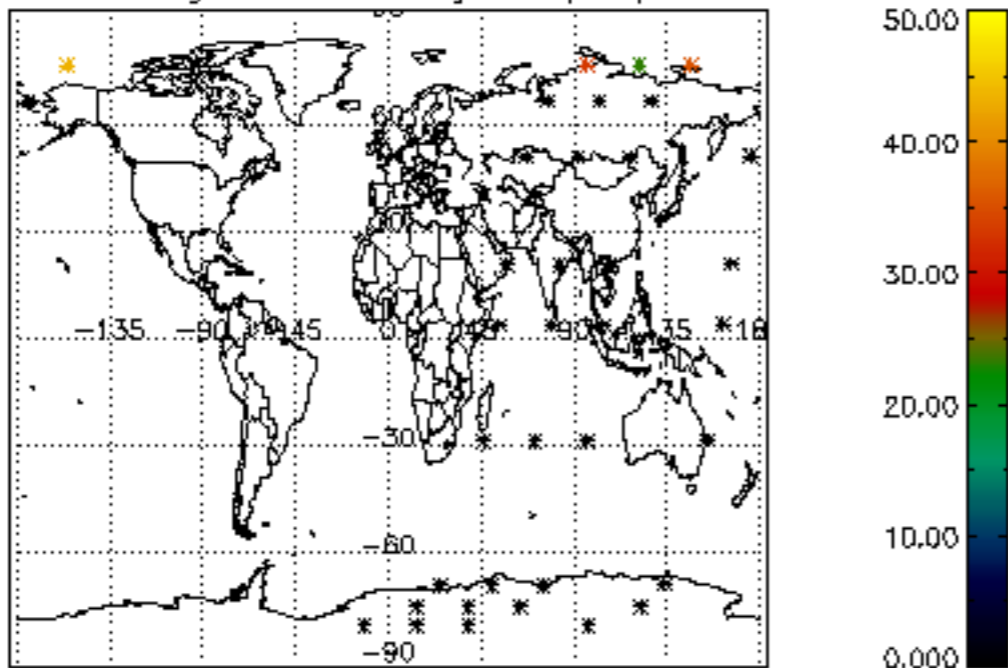
Percentage of star falling outside central band per profile



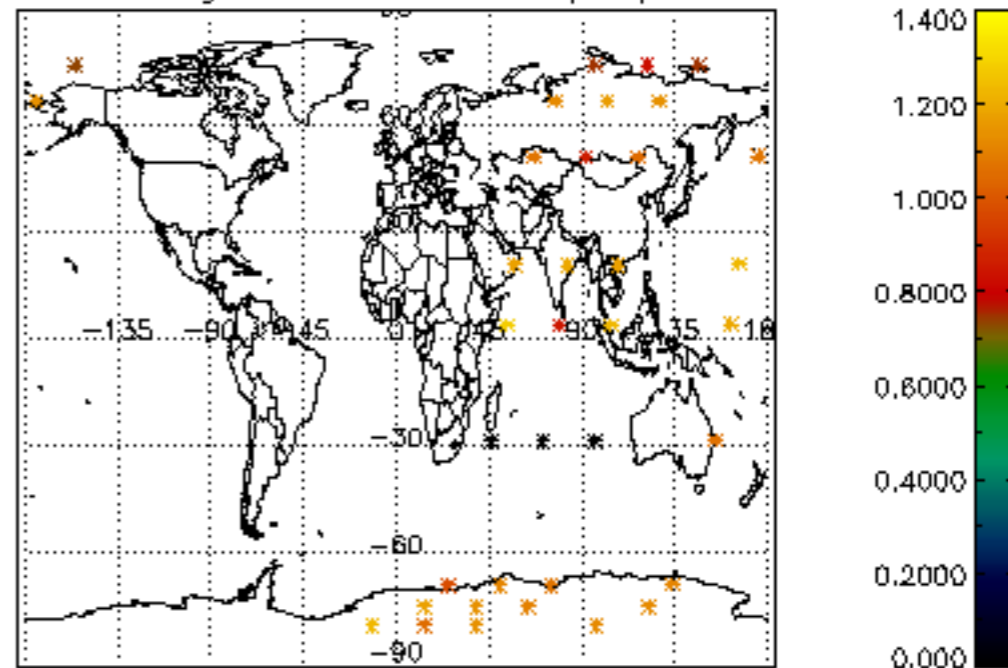
Percentage of saturation errors per profile



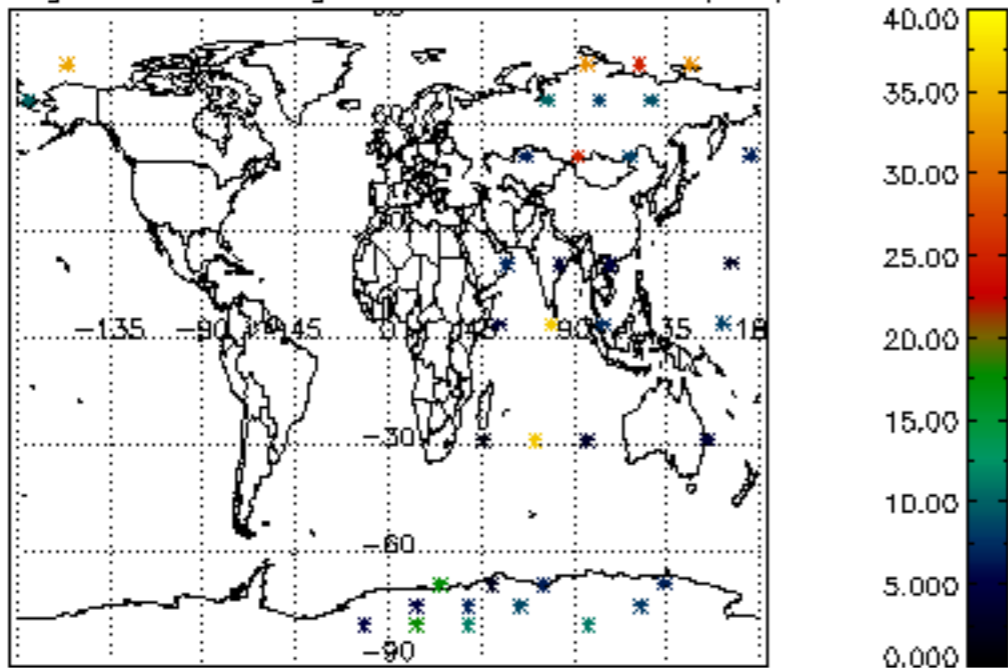
Percentage of cosmic ray hits per profile



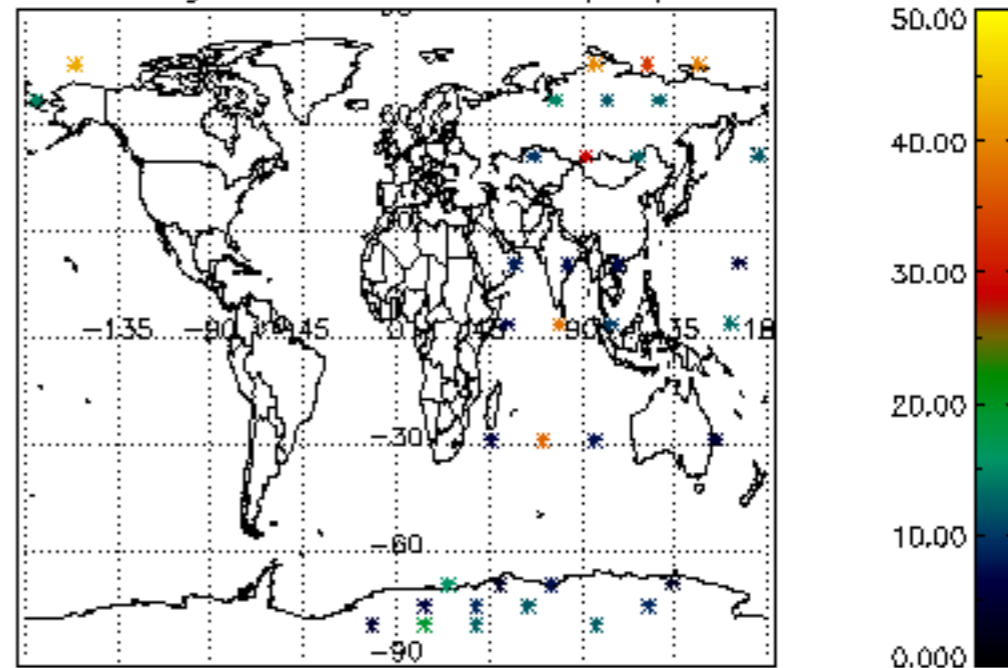
Percentage of datation errors per profile

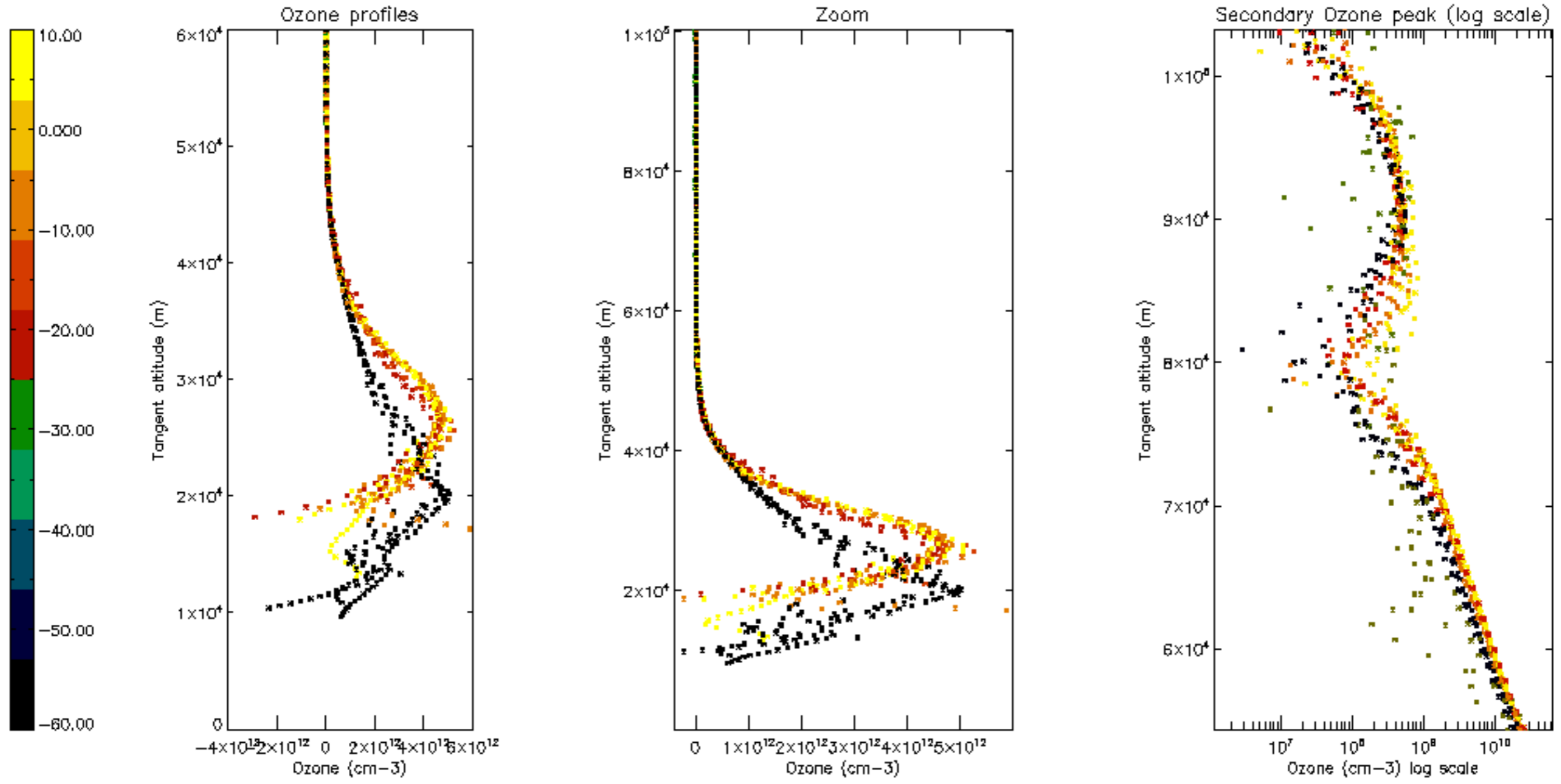


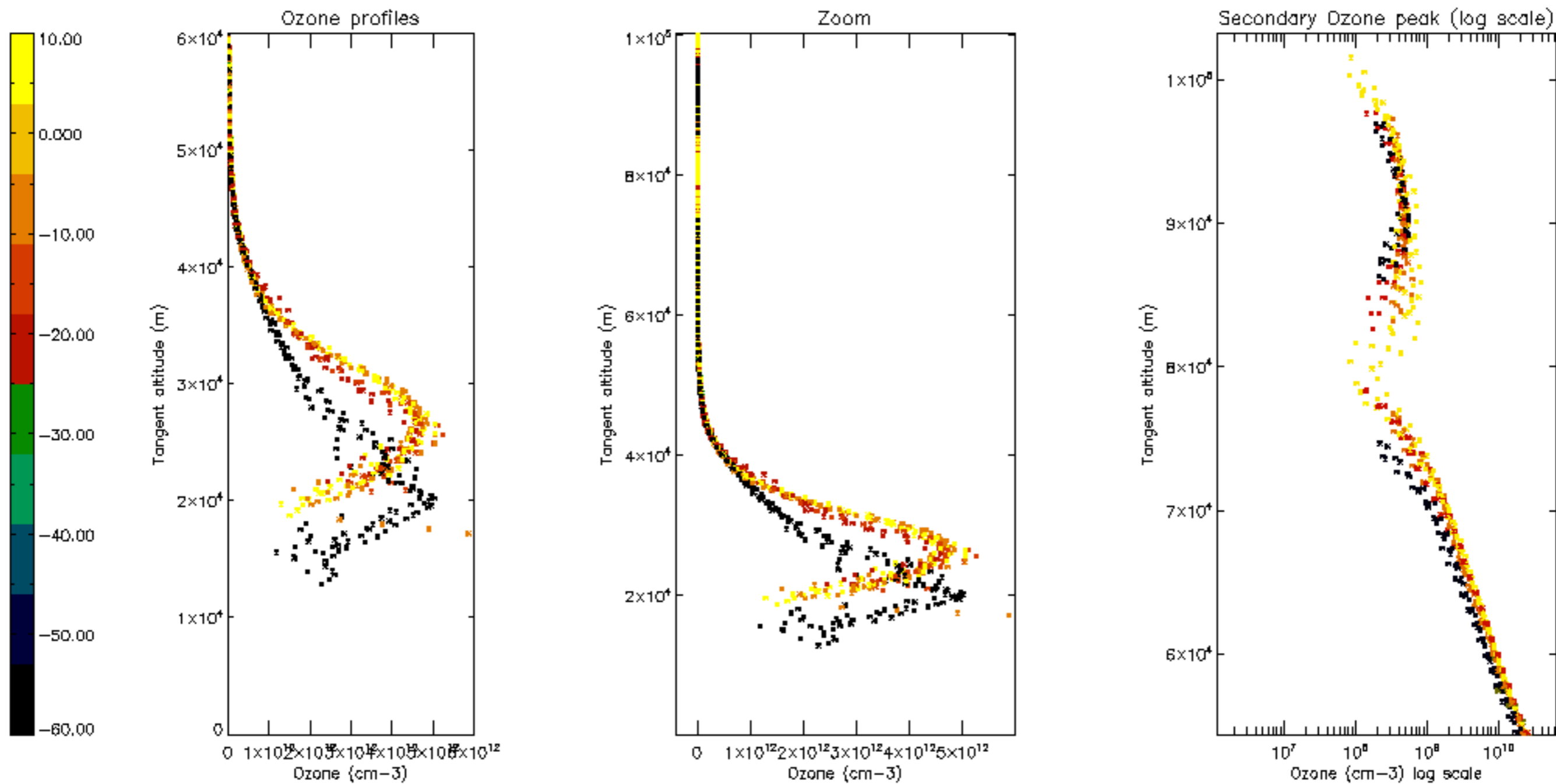
Percentage of star falling outside central band per profile

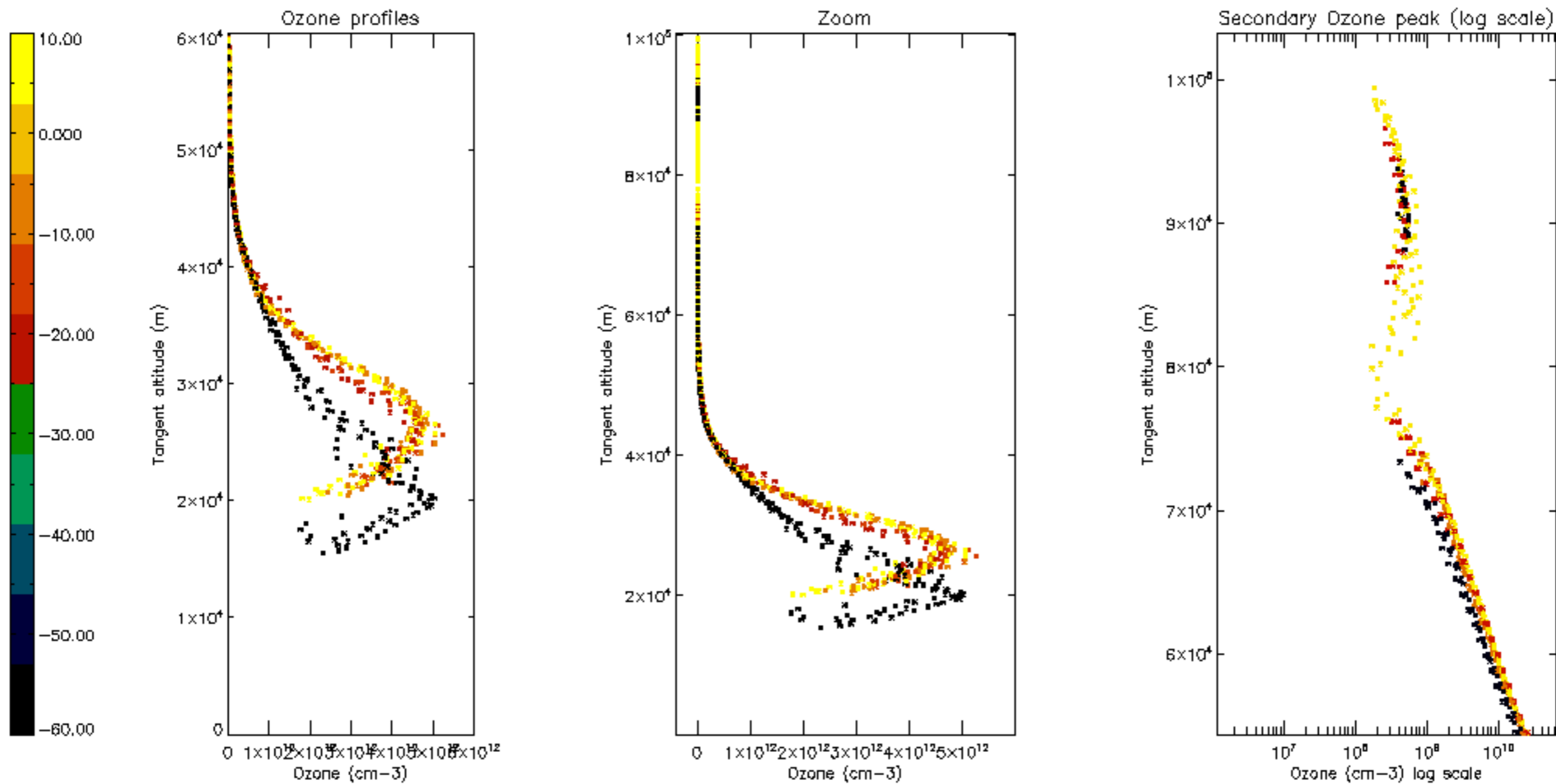


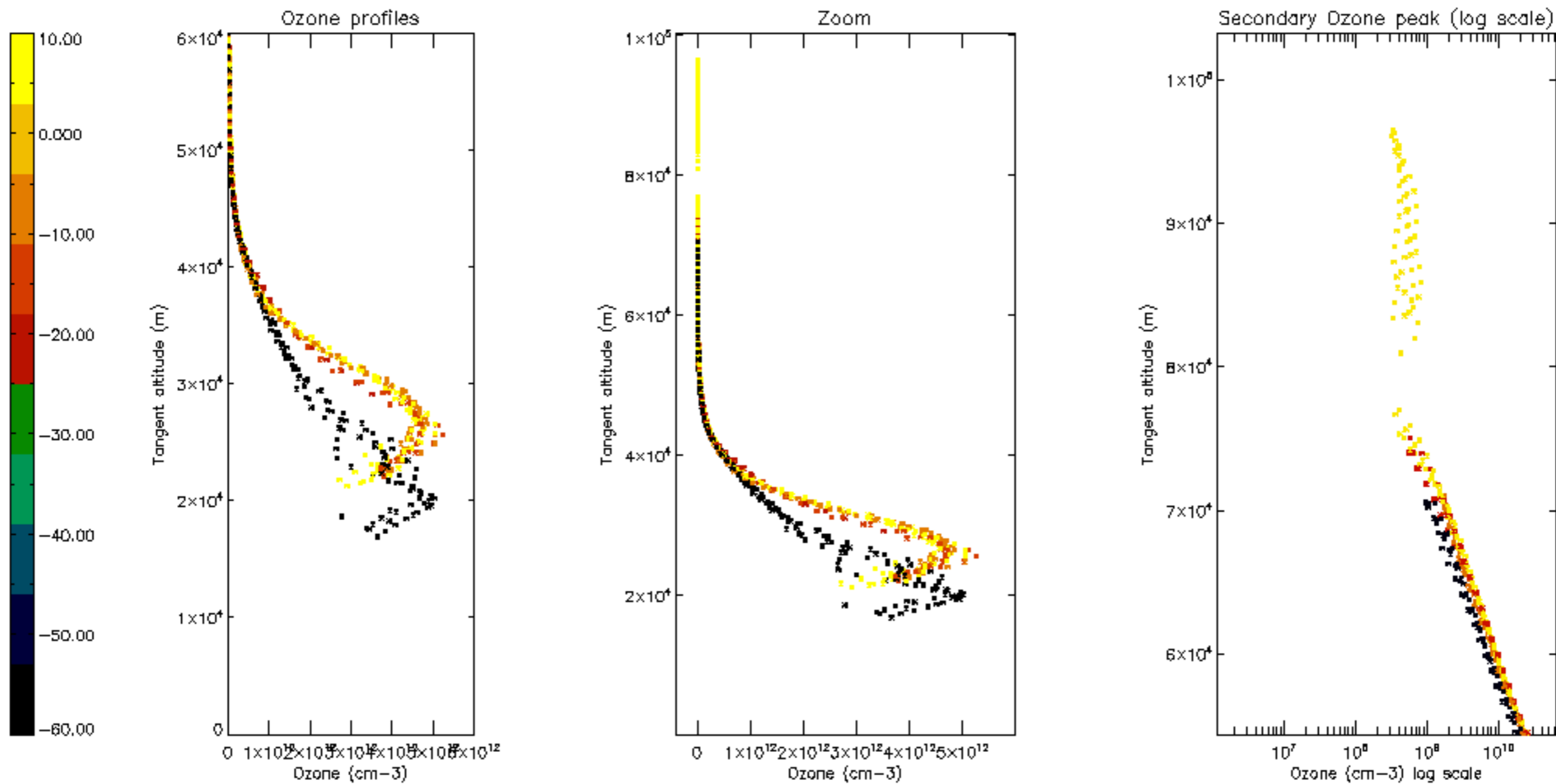
Percentage of saturation errors per profile

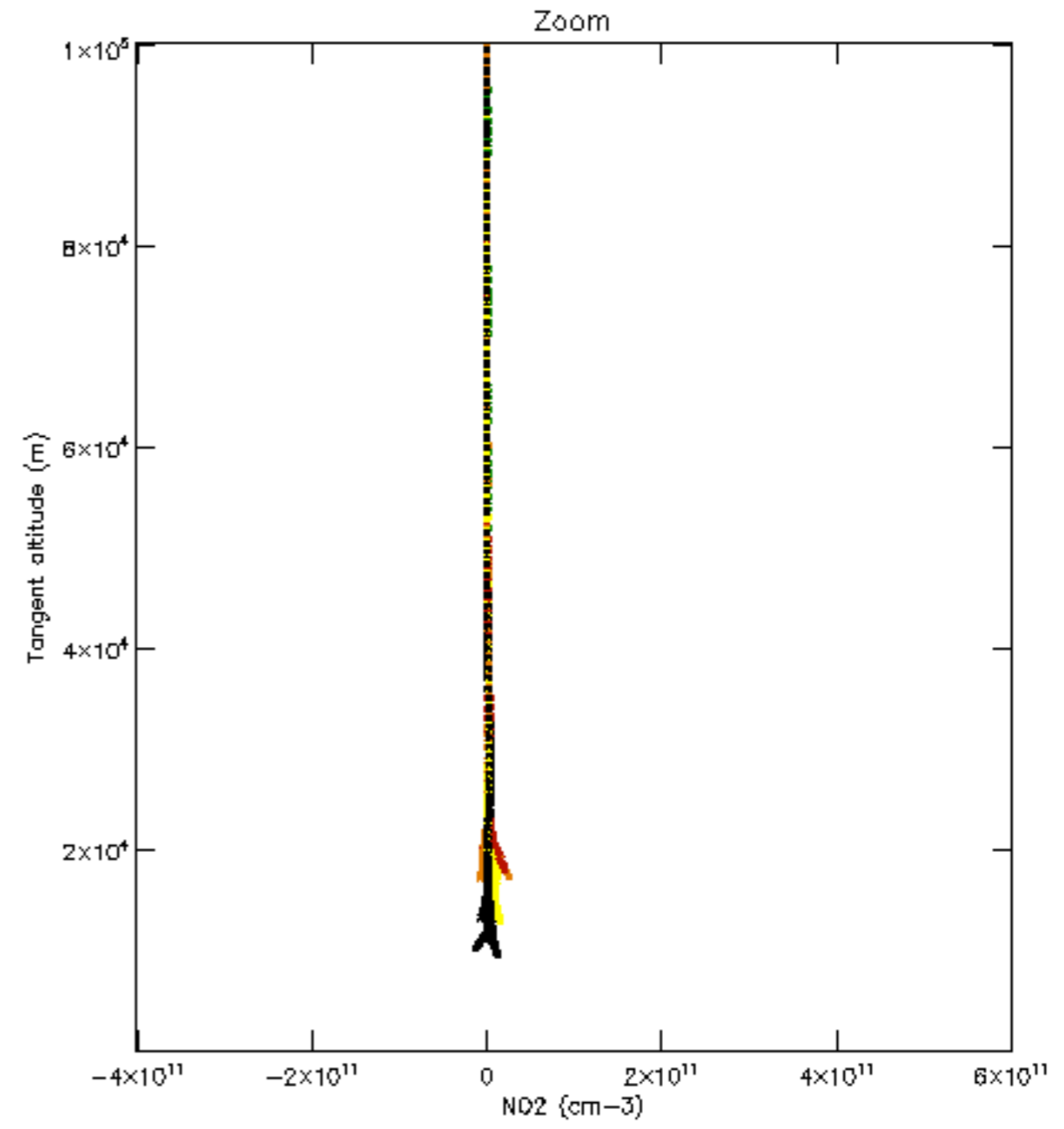
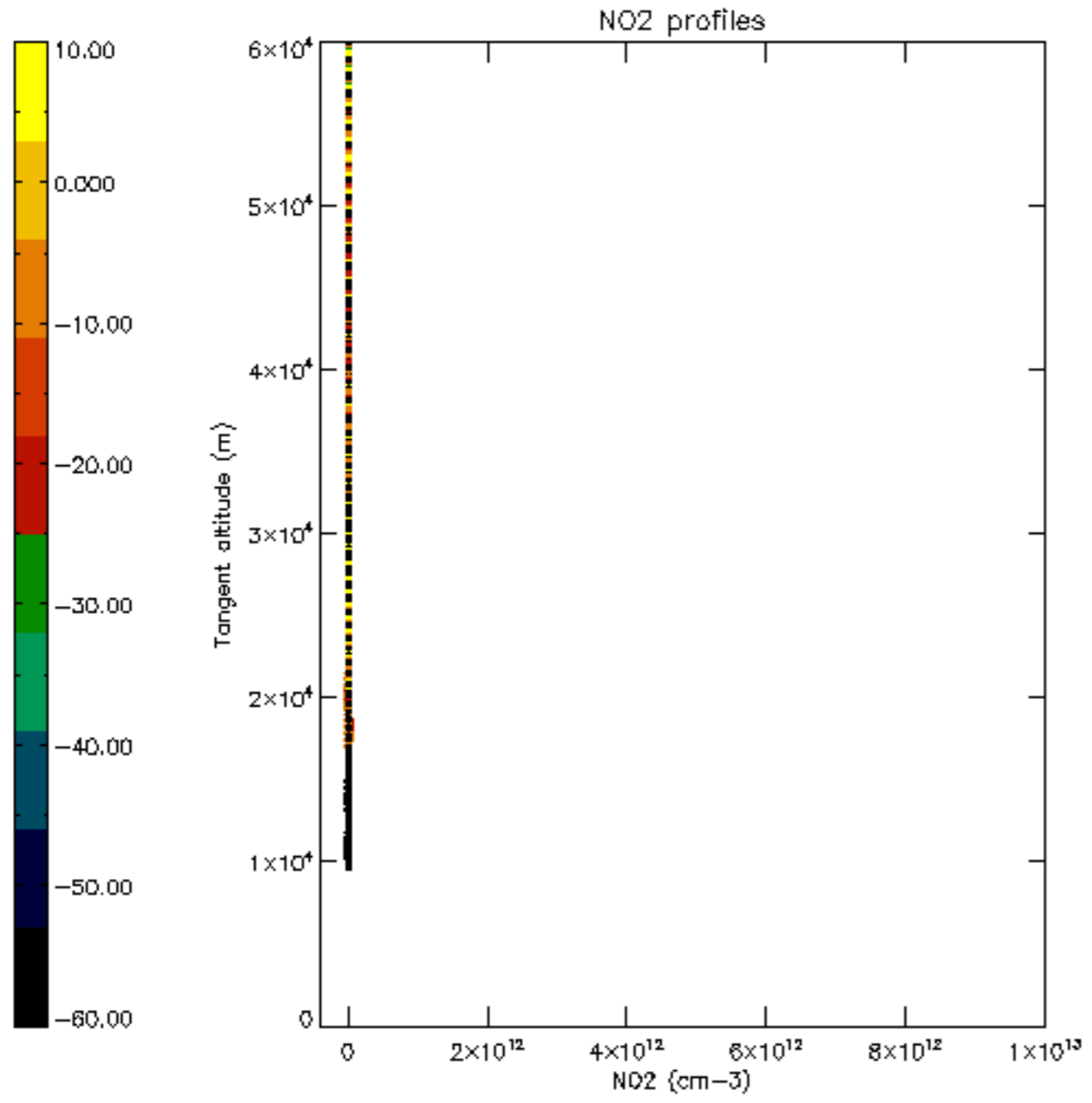


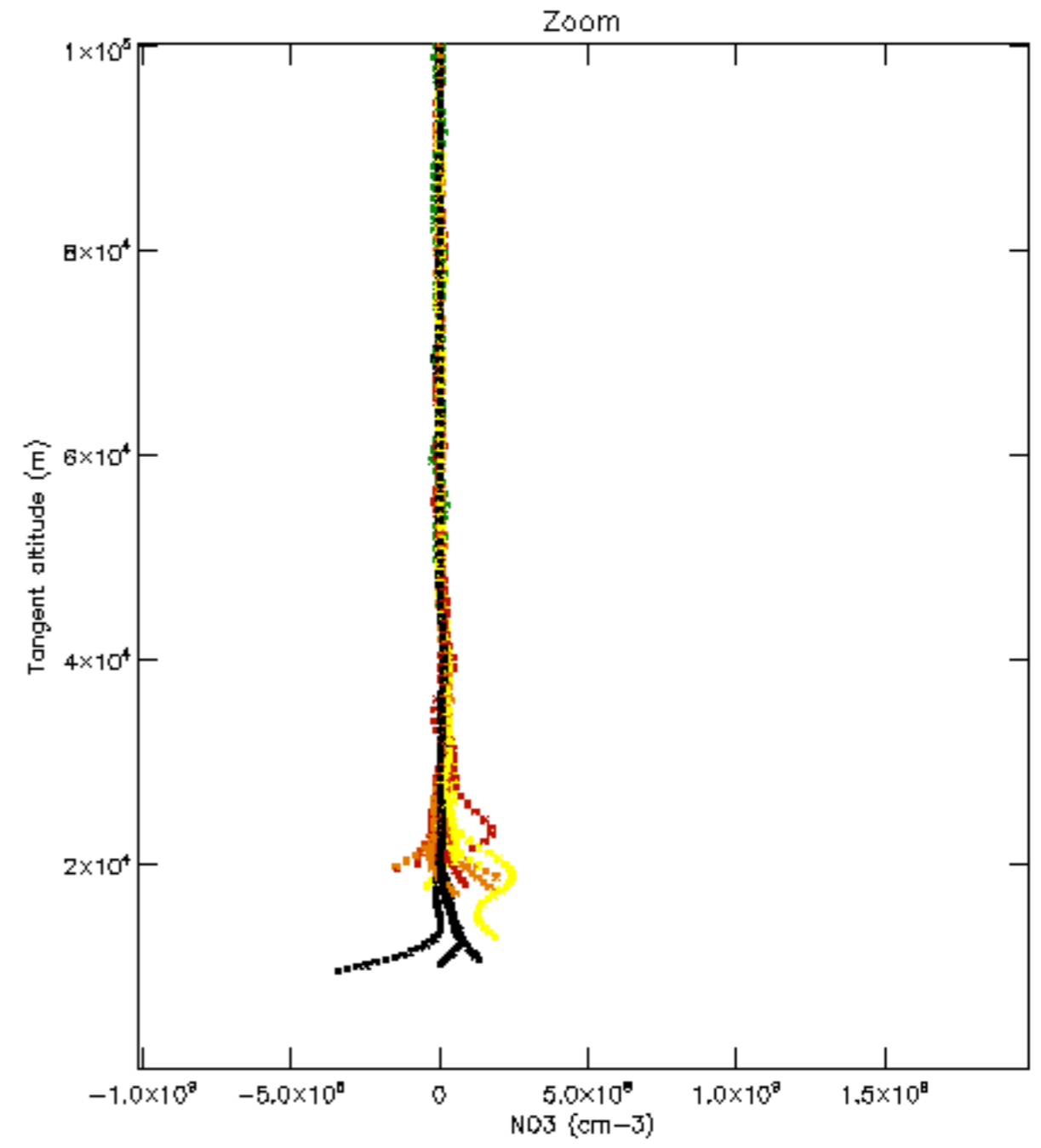
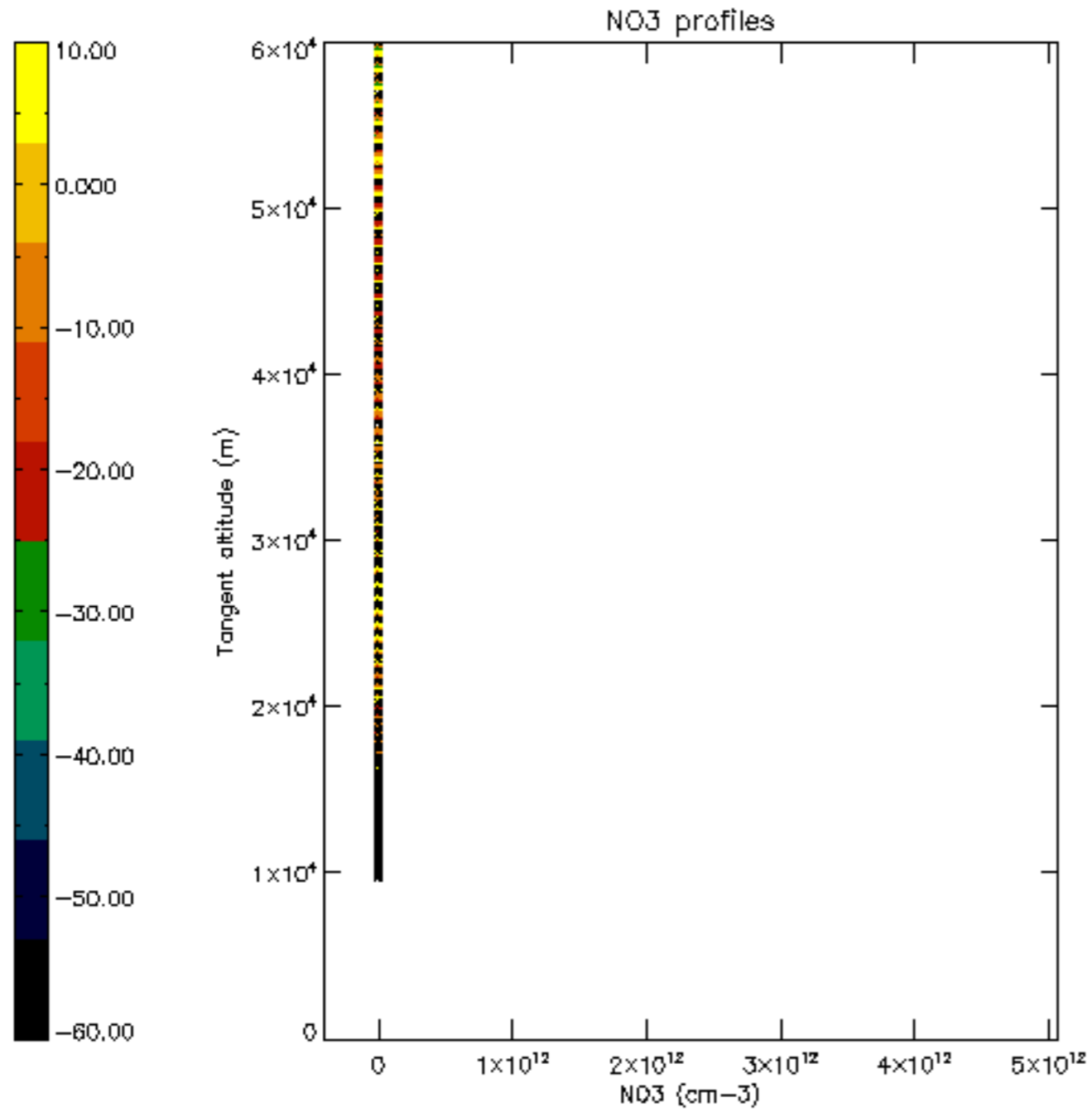


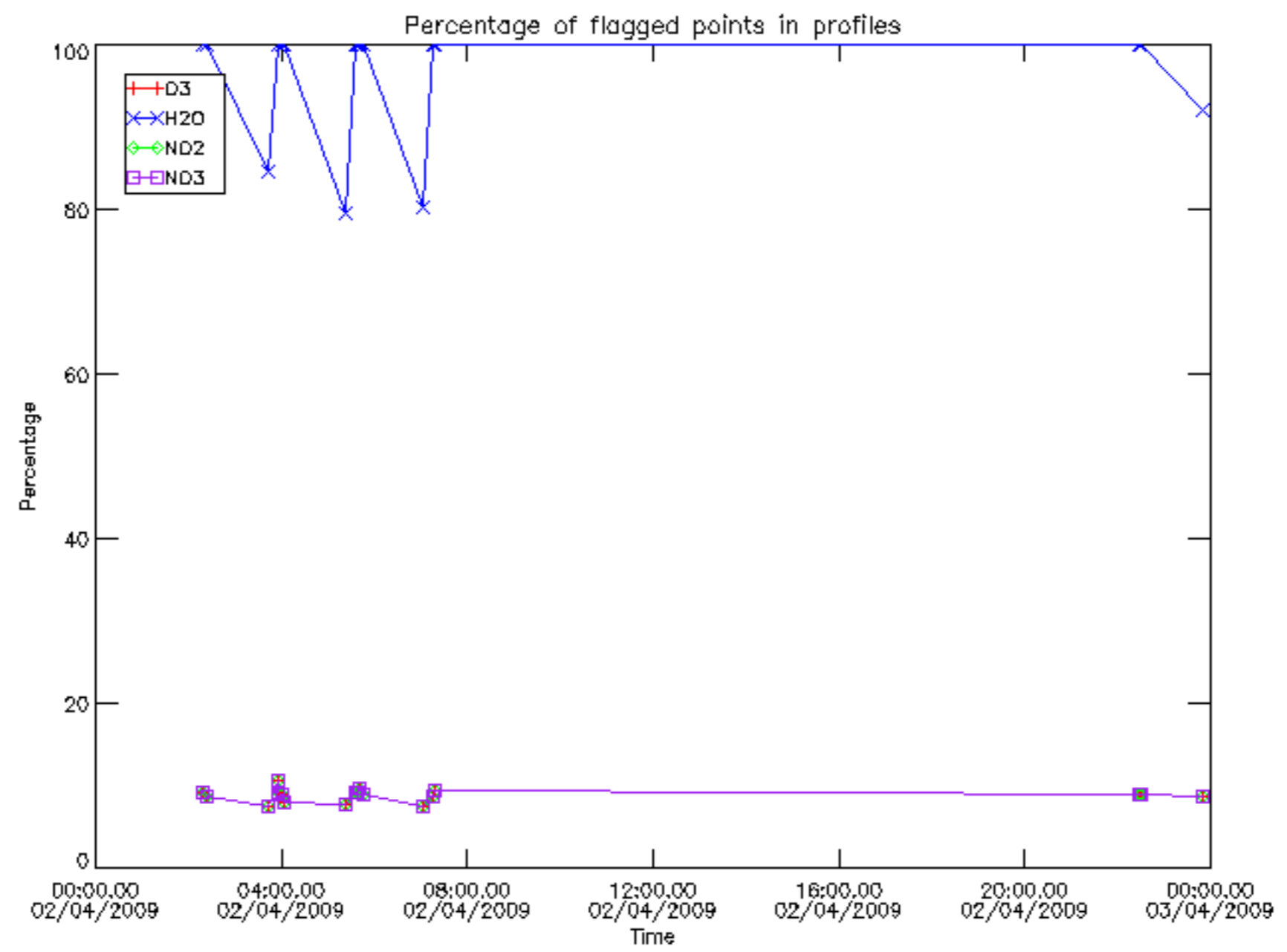




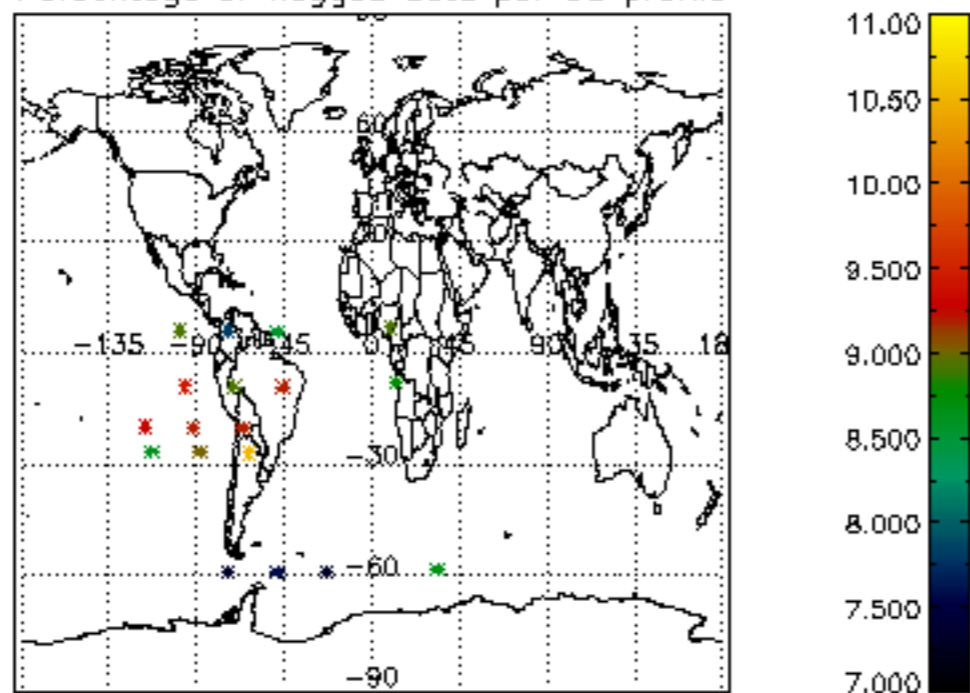




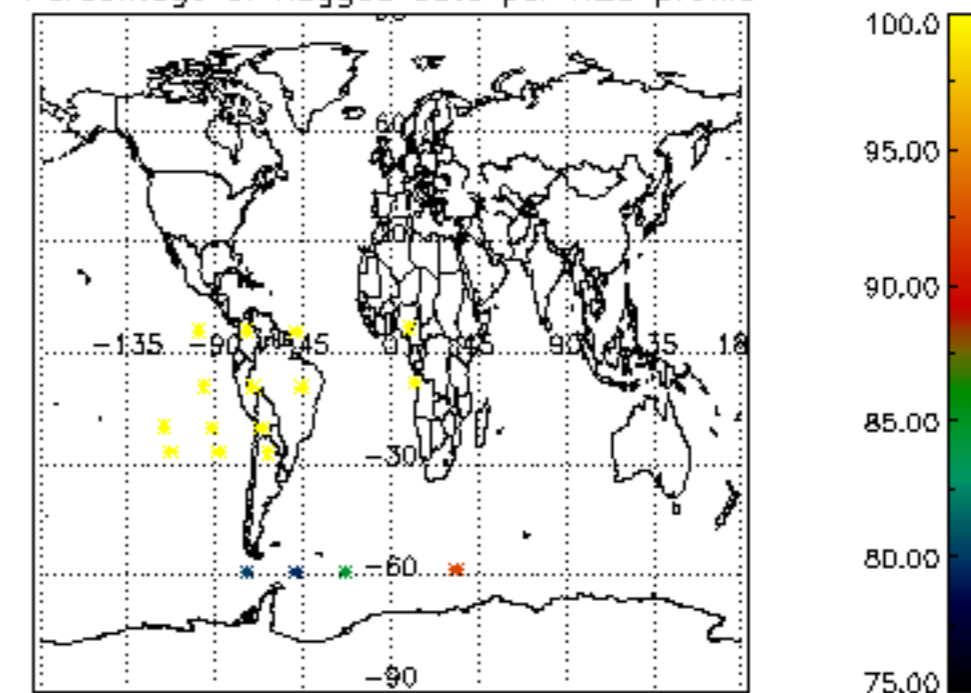




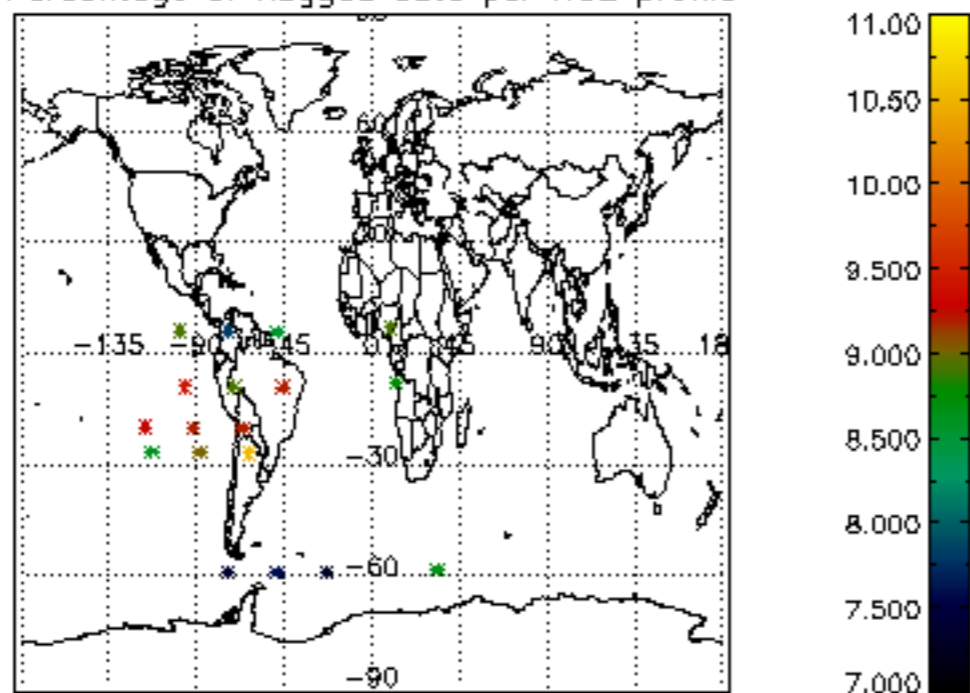
Percentage of flagged data per D3 profile



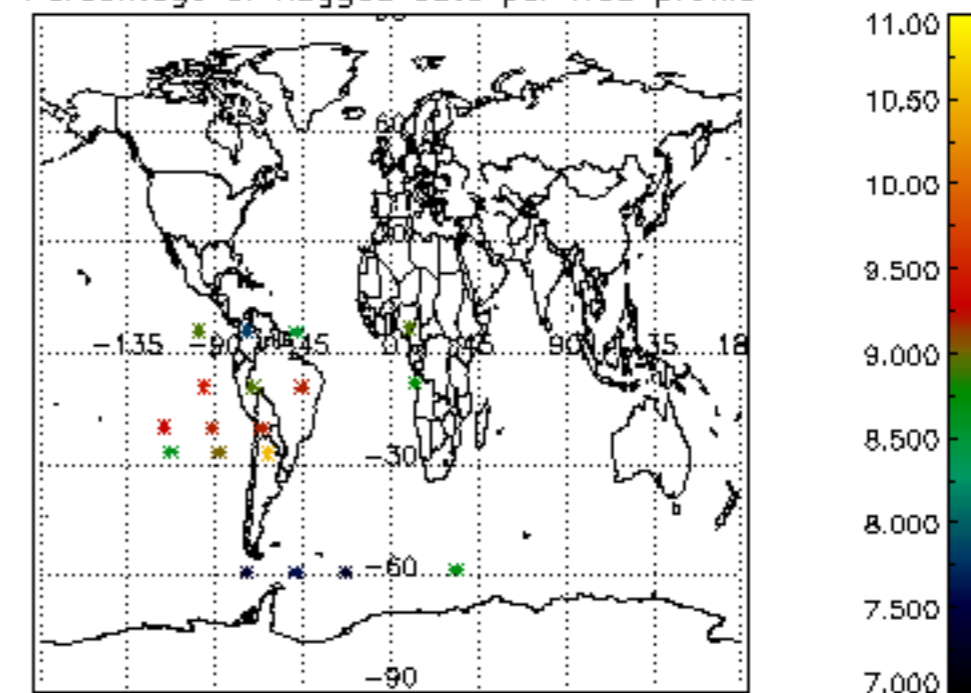
Percentage of flagged data per H2O profile

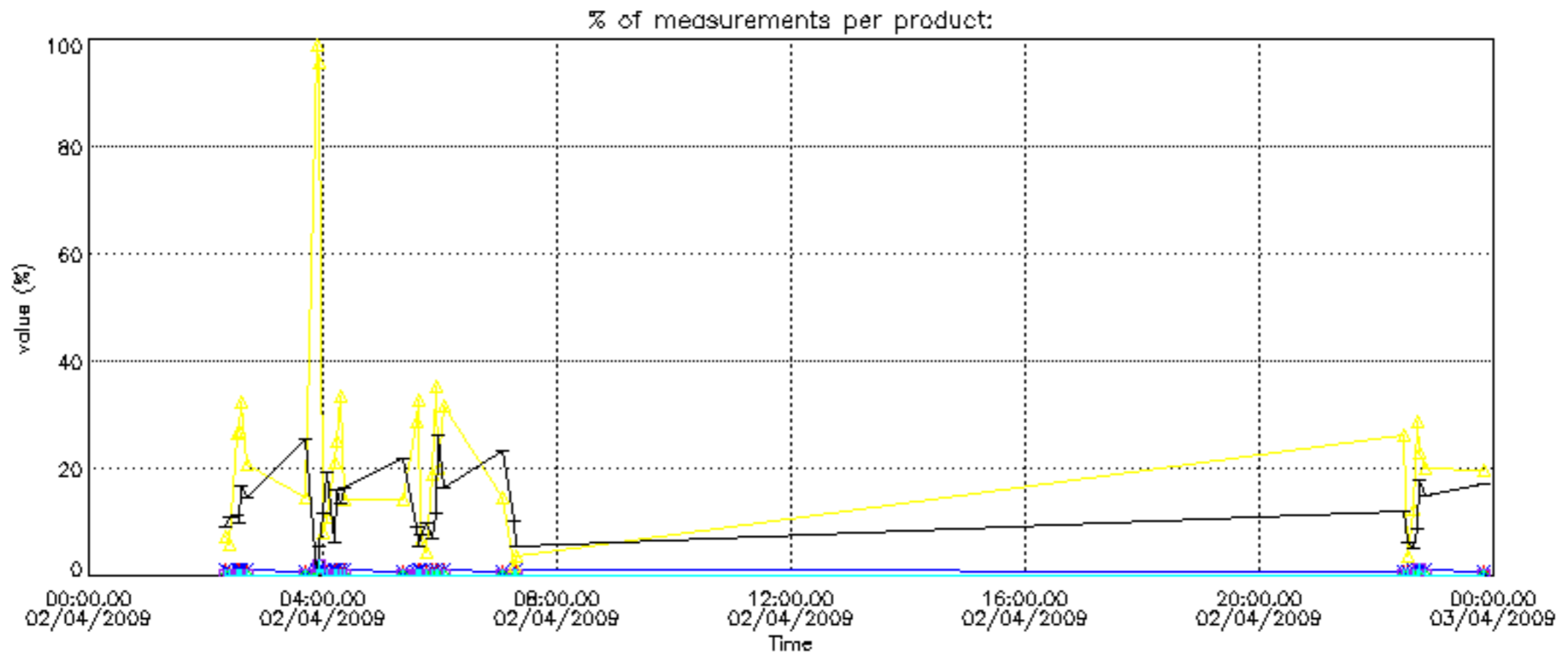


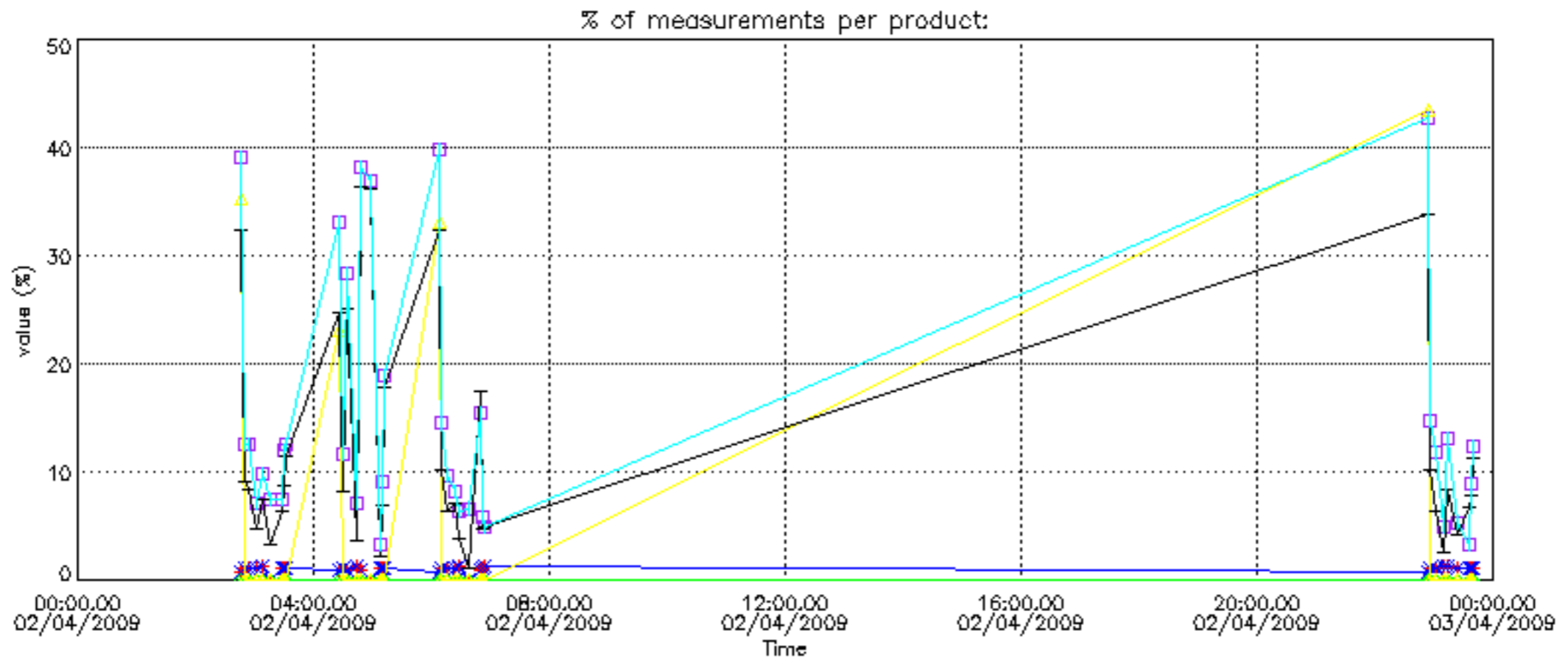
Percentage of flagged data per NO2 profile



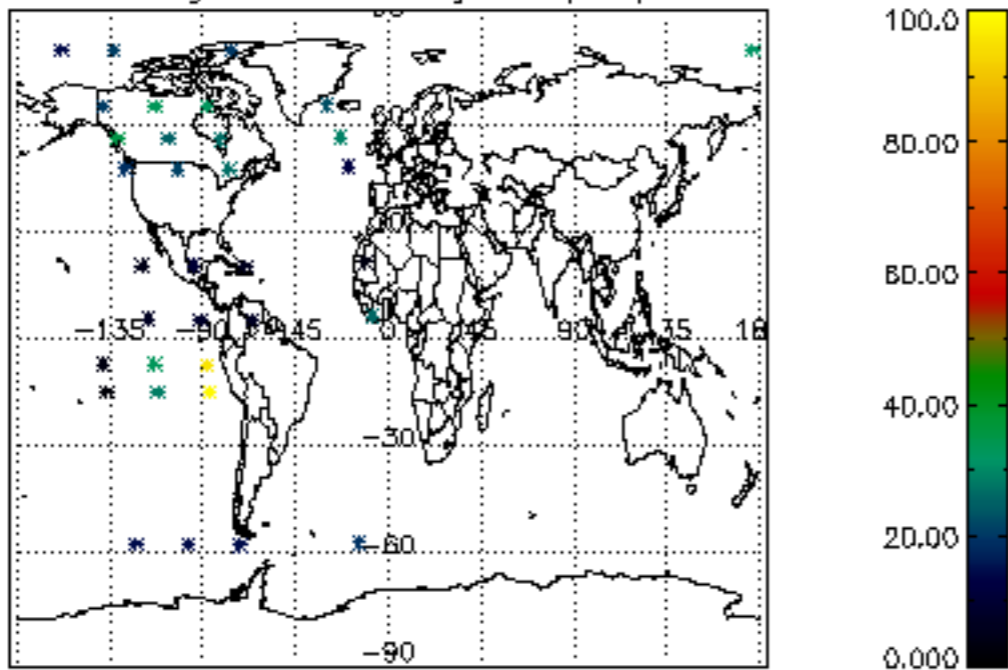
Percentage of flagged data per NO3 profile



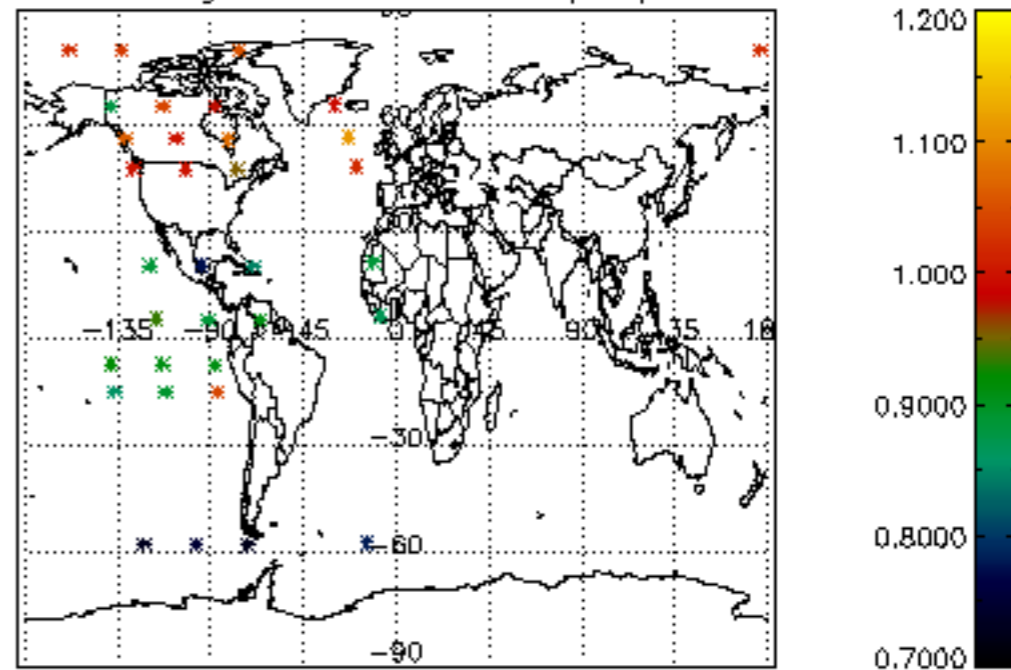




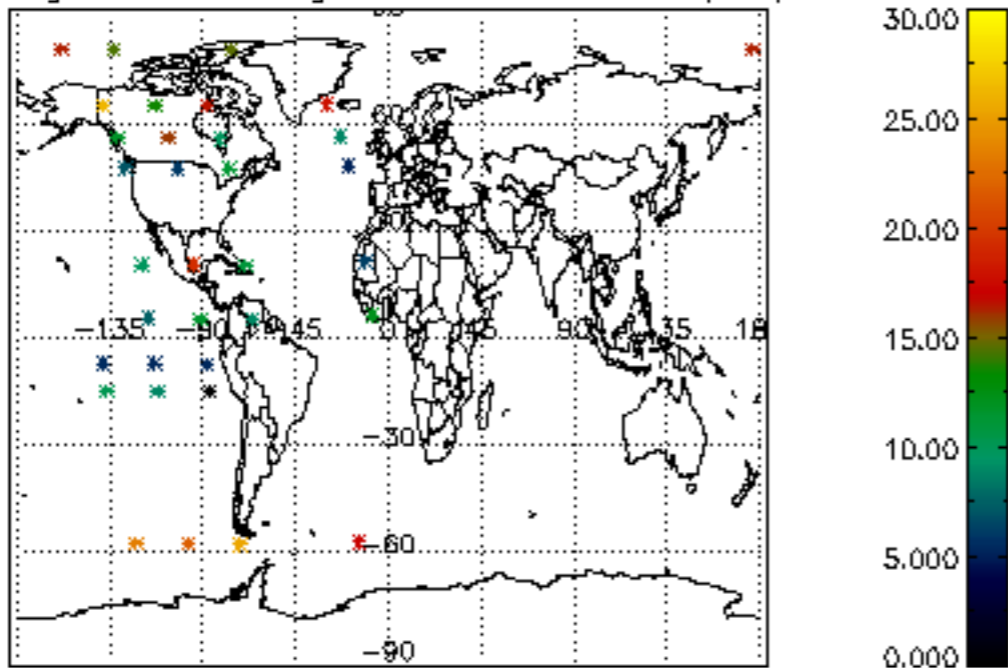
Percentage of cosmic ray hits per profile



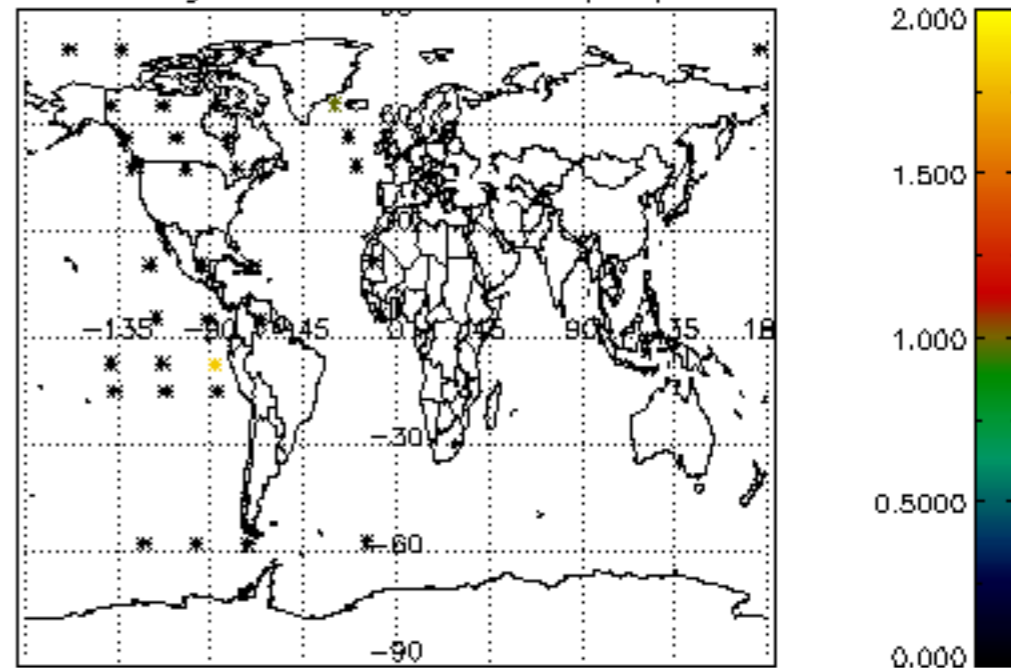
Percentage of datation errors per profile



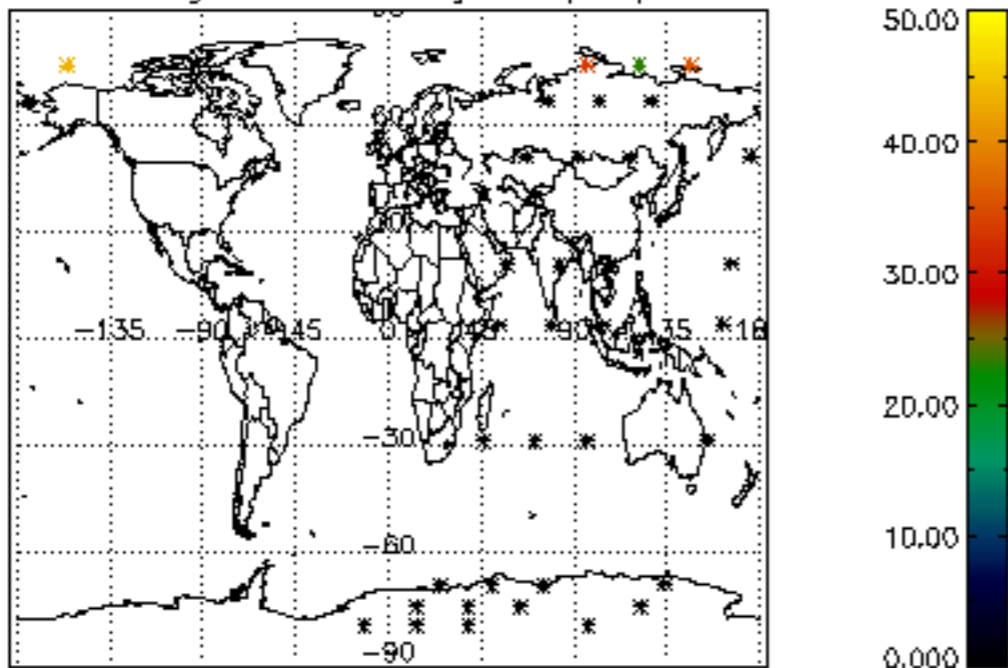
Percentage of star falling outside central band per profile



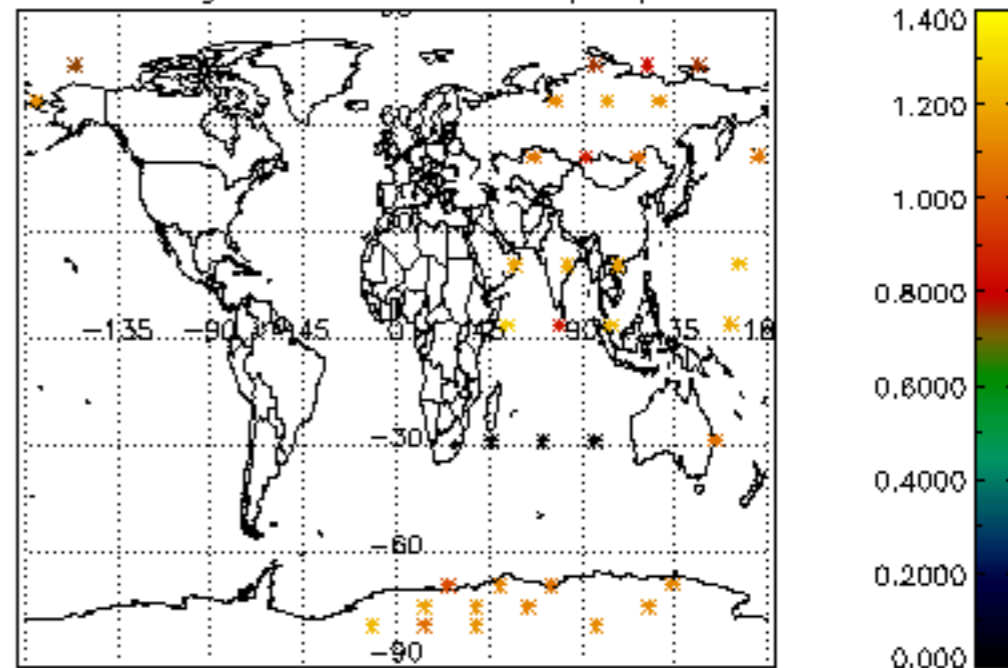
Percentage of saturation errors per profile



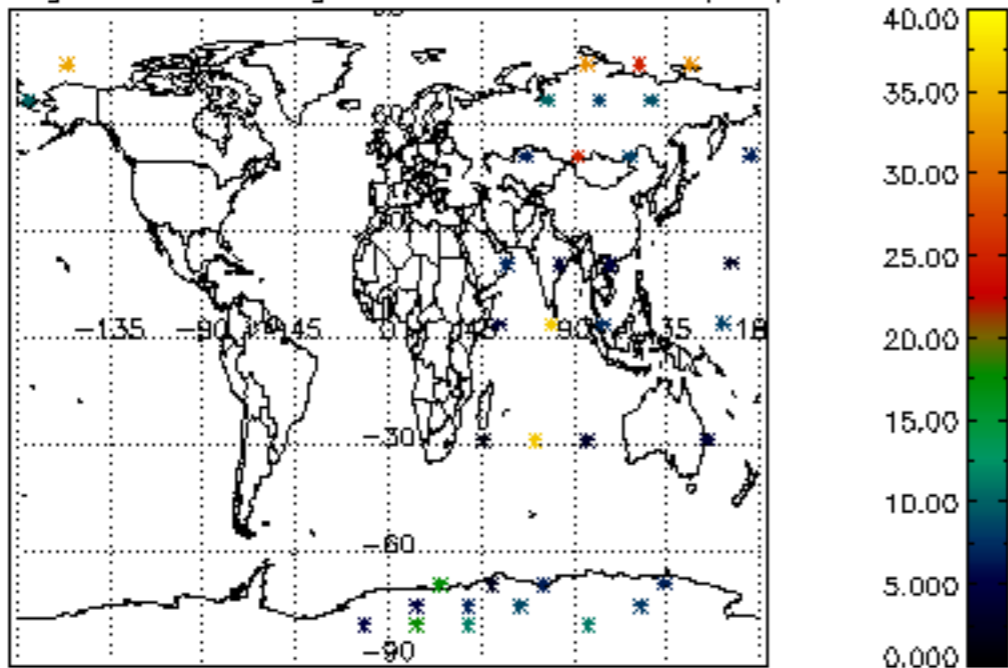
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

