

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

[2. Summary of processed GOM_NL_2P products](#)

[3. Level 2 Quality information per product](#)

[3.1 Plot of level 2 quality information per product \(time dependant\)](#)

[3.2 Plot of level 2 quality information per product \(world map\)](#)

[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](#)

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

[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% \(dark without errors\)](#)

[5.4. Plot ozone profiles where STD < 10% \(dark without errors\)](#)

[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](#)

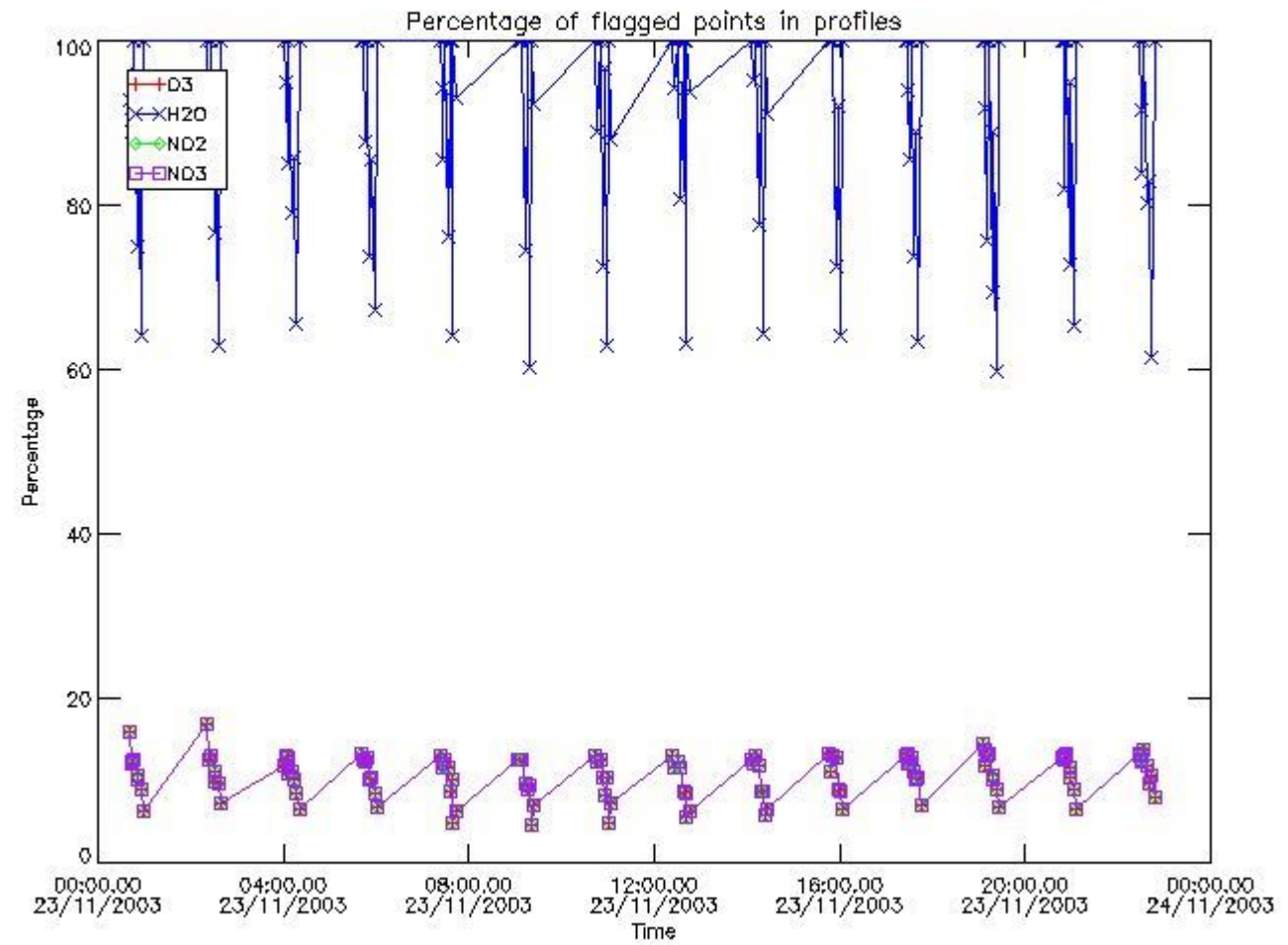
[6. Auxiliary Data Files used for the production reported in section 2](#)

397	GOM_NL__2PRFIN20031123_220745_000000352021_00487_09058_9061.N1	23-NOV-2003 22:07:45	Bright	34.500	3	16Alp Boo	-0.050000	4250.0	69	9058	No
398	GOM_NL__2PRFIN20031123_221031_000000682021_00487_09058_9062.N1	23-NOV-2003 22:10:31	Bright	67.500	96	68Del Leo	2.5600	9300.0	135	9058	No
399	GOM_NL__2PRFIN20031123_221338_000001162021_00487_09058_9063.N1	23-NOV-2003 22:13:38	Twilight	115.50	51	41Gam1Leo	2.0100	4500.0	231	9058	No
400	GOM_NL__2PRFIN20031123_222004_000001622021_00487_09058_9064.N1	23-NOV-2003 22:20:04	Straylight	161.50	22	32Alp Leo	1.3600	15200.	323	9058	No
401	GOM_NL__2PRFIN20031123_222742_000000392021_00487_09058_9065.N1	23-NOV-2003 22:27:42	Dark	38.500	64	Gam Cen	2.2000	10600.	77	9058	No
402	GOM_NL__2PRFIN20031123_222853_000000402021_00487_09058_9066.N1	23-NOV-2003 22:28:53	Dark	39.500	99	Del Cen	2.5750	26000.	79	9058	No
403	GOM_NL__2PRFIN20031123_223019_000000422021_00487_09058_9067.N1	23-NOV-2003 22:30:19	Dark	41.500	20	Bet Cru	1.2530	30000.	83	9058	No
404	GOM_NL__2PRFIN20031123_223129_000000412021_00488_09059_9037.N1	23-NOV-2003 22:31:29	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	9059	No
405	GOM_NL__2PRFIN20031123_223354_000000372021_00488_09059_9038.N1	23-NOV-2003 22:33:54	Dark	37.000	124	The Car	2.7640	30000.	74	9059	No
406	GOM_NL__2PRFIN20031123_223814_000000442021_00488_09059_9039.N1	23-NOV-2003 22:38:14	Dark	43.500	41	Eps Car	1.8600	4100.0	87	9059	No
407	GOM_NL__2PRFIN20031123_223943_000000532021_00488_09059_9040.N1	23-NOV-2003 22:39:43	Dark	53.000	34	Gam2Vel	1.7930	23000.	106	9059	No
408	GOM_NL__2PRFIN20031123_224343_000000492021_00488_09059_9041.N1	23-NOV-2003 22:43:43	Dark	48.500	2	Alp Car	-0.73600	7000.0	97	9059	No
409	GOM_NL__2PRFIN20031123_224710_000000712021_00488_09059_9042.N1	23-NOV-2003 22:47:10	Dark	70.500	88	31Eta CMa	2.4480	20000.	141	9059	No
410	GOM_NL__2PRFIN20031123_225141_000000372021_00488_09059_9043.N1	23-NOV-2003 22:51:41	Straylight	36.500	157	The1Eri	2.9060	9300.0	73	9059	No
411	GOM_NL__2PRFIN20031123_225633_000001382021_00488_09059_9044.N1	23-NOV-2003 22:56:33	Straylight	137.50	1	9Alp CMa	-1.4400	11000.	275	9059	No
412	GOM_NL__2PRFIN20031123_230042_000000762021_00488_09059_9045.N1	23-NOV-2003 23:00:42	Straylight	76.000	7	19Bet Ori	0.10000	14000.	152	9059	No
413	GOM_NL__2PRFIN20031123_230428_000000802021_00488_09059_9046.N1	23-NOV-2003 23:04:28	Twilight	80.000	30	46Eps Ori	1.6940	30000.	160	9059	No
414	GOM_NL__2PRFIN20031123_230914_000000362021_00488_09059_9047.N1	23-NOV-2003 23:09:14	Bright	35.500	105	6Bet Ari	2.6450	8900.0	71	9059	No
415	GOM_NL__2PRFIN20031123_231302_000000362021_00488_09059_9048.N1	23-NOV-2003 23:13:02	Bright	35.500	173	4Bet Tri	3.0040	8900.0	71	9059	No
416	GOM_NL__2PRFIN20031123_231453_000000382021_00488_09059_9049.N1	23-NOV-2003 23:14:53	Bright	37.500	79	26Bet Per	2.3100	13100.	75	9059	No
417	GOM_NL__2PRFIN20031123_231722_000000392021_00488_09059_9050.N1	23-NOV-2003 23:17:22	Bright	38.500	175	39Del Per	3.0100	19400.	77	9059	No
418	GOM_NL__2PRFIN20031123_231951_000000372021_00488_09059_9051.N1	23-NOV-2003 23:19:51	Bright	36.500	68	18Alp Cas	2.2250	4500.0	73	9059	No
419	GOM_NL__2PRFIN20031123_232104_000000362021_00488_09059_9052.N1	23-NOV-2003 23:21:04	Bright	36.000	74	11Bet Cas	2.2680	6600.0	72	9059	No
420	GOM_NL__2PRFIN20031123_232818_000000382021_00488_09059_9053.N1	23-NOV-2003 23:28:18	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	9059	No
421	GOM_NL__2PRFIN20031123_233251_000000382021_00488_09059_9054.N1	23-NOV-2003 23:32:51	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	9059	No
422	GOM_NL__2PRFIN20031123_233508_000000342021_00488_09059_9055.N1	23-NOV-2003 23:35:08	Bright	34.000	119	14Eta Dra	2.7270	4700.0	68	9059	No
423	GOM_NL__2PRFIN20031123_233709_000000432021_00488_09059_9056.N1	23-NOV-2003 23:37:09	Bright	43.000	82	48Bet UMa	2.3650	10600.	86	9059	No
424	GOM_NL__2PRFIN20031123_233841_000000412021_00488_09059_9057.N1	23-NOV-2003 23:38:41	Bright	40.500	87	64Gam UMa	2.4330	11000.	81	9059	No
425	GOM_NL__2PRFIN20031123_234008_000000352021_00488_09059_9058.N1	23-NOV-2003 23:40:08	Bright	34.500	39	85Eta UMa	1.8540	24000.	69	9059	No
426	GOM_NL__2PRFIN20031123_234253_000000342021_00488_09059_9059.N1	23-NOV-2003 23:42:53	Bright	33.500	180	27Gam Boo	3.0400	8000.0	67	9059	No
427	GOM_NL__2PRFIN20031123_234552_000000342021_00488_09059_9060.N1	23-NOV-2003 23:45:52	Bright	34.000	83		2.3780	11000.	68	9059	No
428	GOM_NL__2PRFIN20031123_234822_000000332021_00488_09059_9061.N1	23-NOV-2003 23:48:22	Bright	33.000	3	16Alp Boo	-0.050000	4250.0	66	9059	No
429	GOM_NL__2PRFIN20031123_235107_000000582021_00488_09059_9062.N1	23-NOV-2003 23:51:07	Bright	58.000	96	68Del Leo	2.5600	9300.0	116	9059	No
430	GOM_NL__2PRFIN20031123_235415_000001112021_00488_09059_9063.N1	23-NOV-2003 23:54:15	Twilight	110.50	51	41Gam1Leo	2.0100	4500.0	221	9059	No

3. Quality information per product

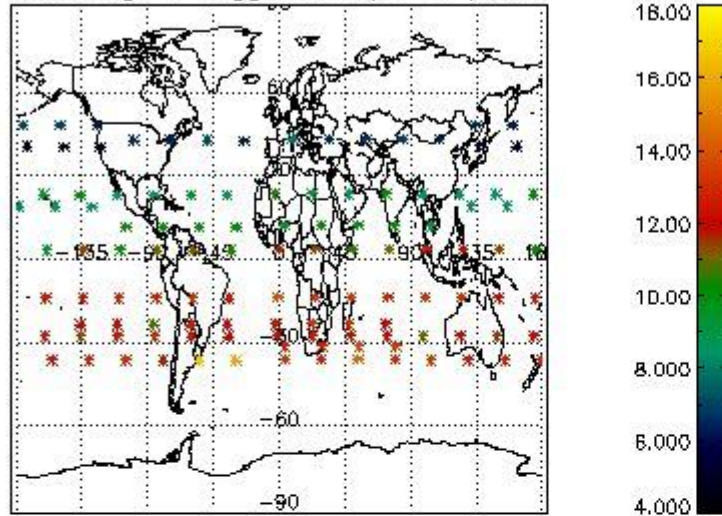
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

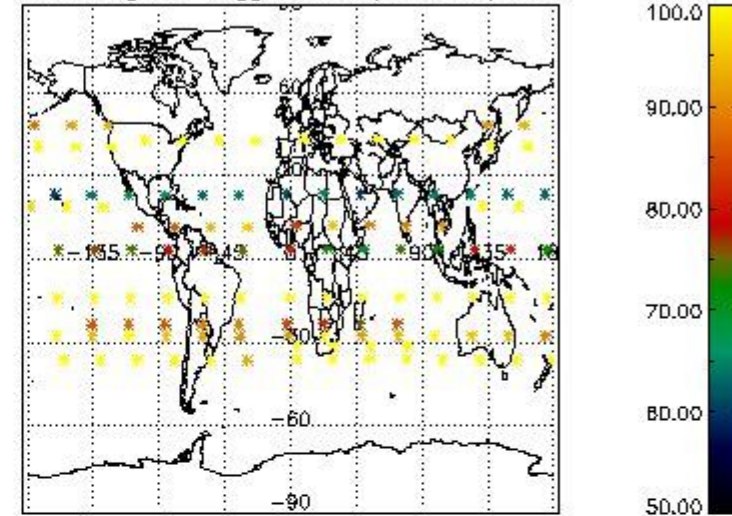


3.2 Plot quality information per product (world map)

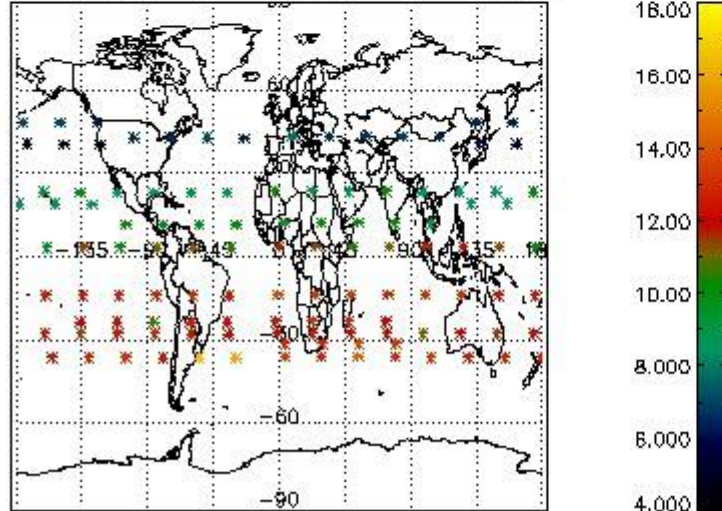
Percentage of flagged data per O3 profile



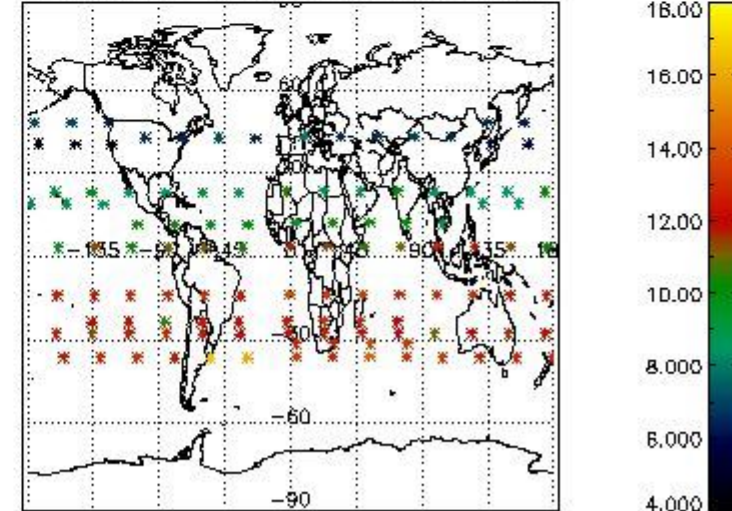
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

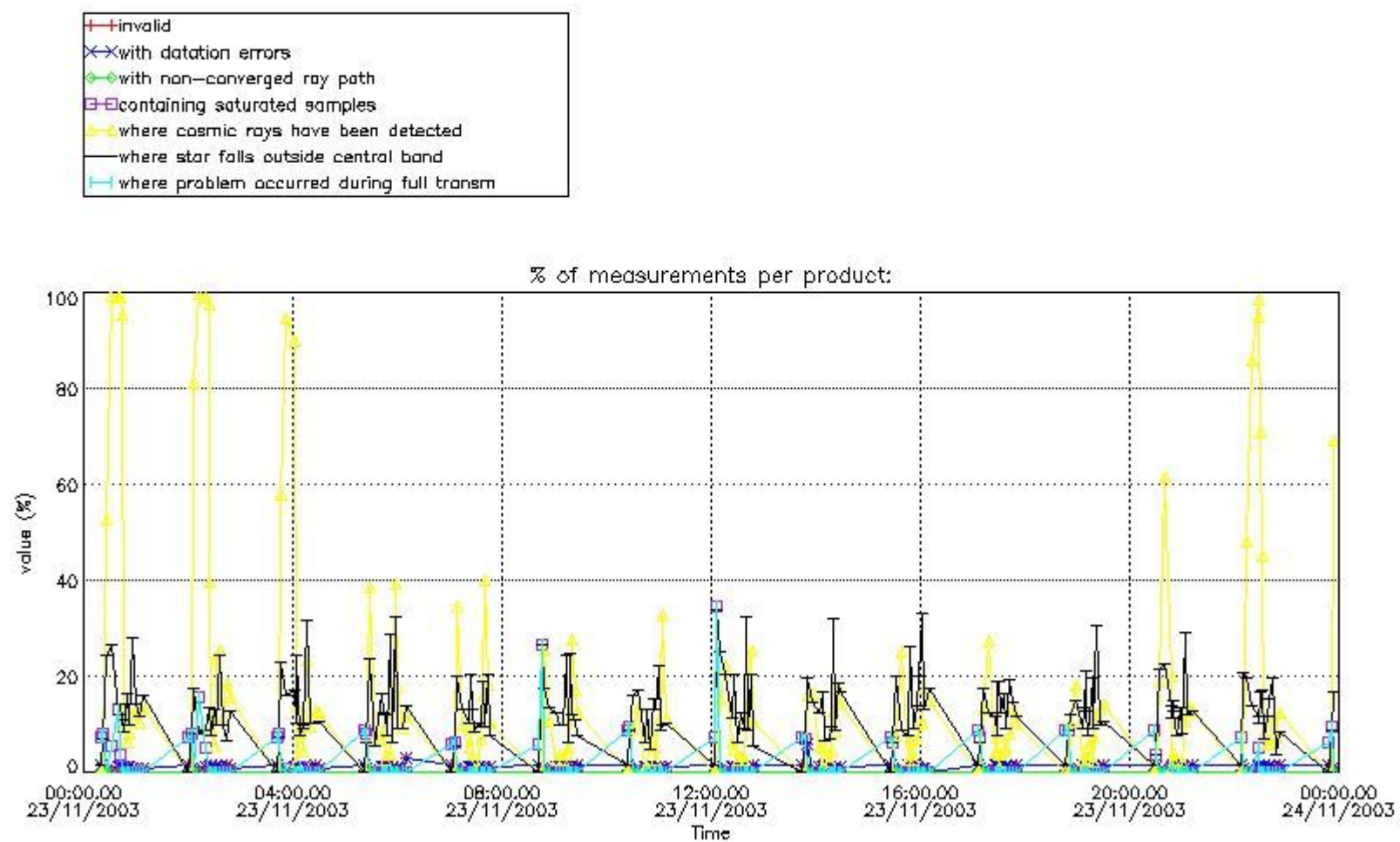


4. Level 1 quality information per product

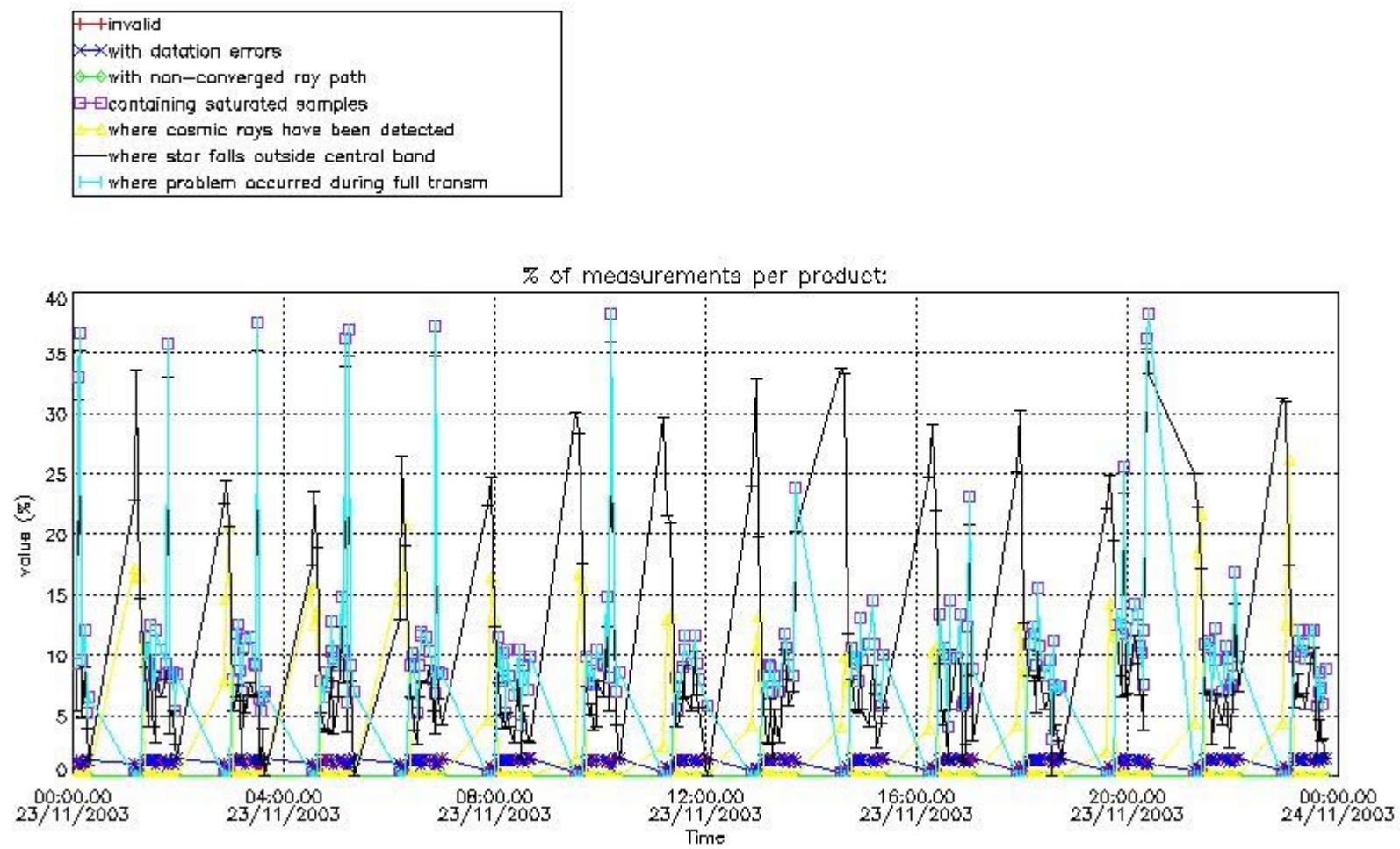
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

4.1 Plot quality information per product (time dependant) coming from level 1b processing

4.1.1 Plot level 1 quality information per product (time dependant): ENVISAT ASCENDING passes

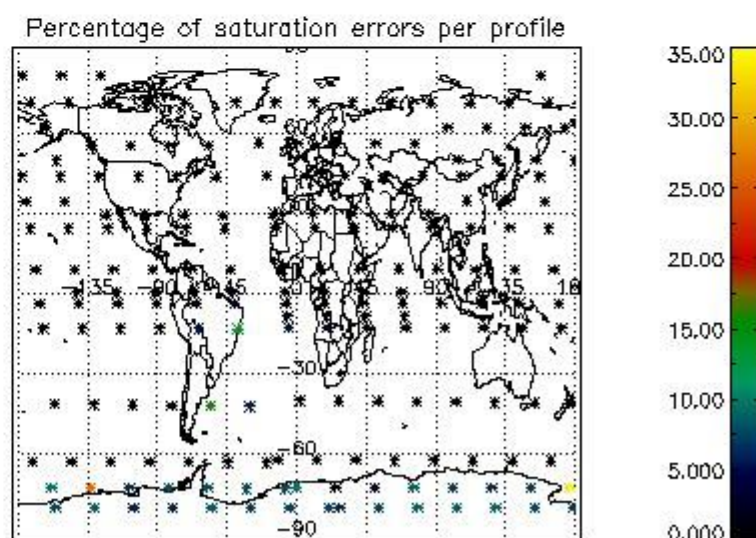
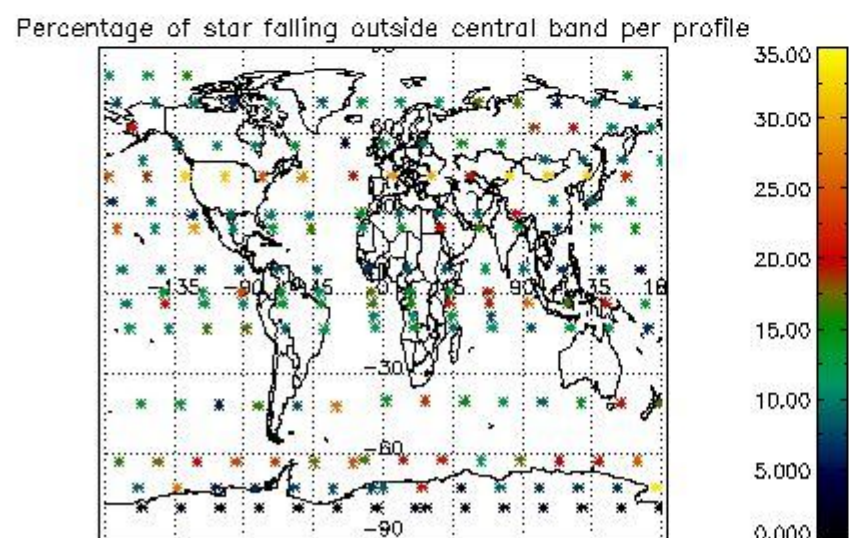
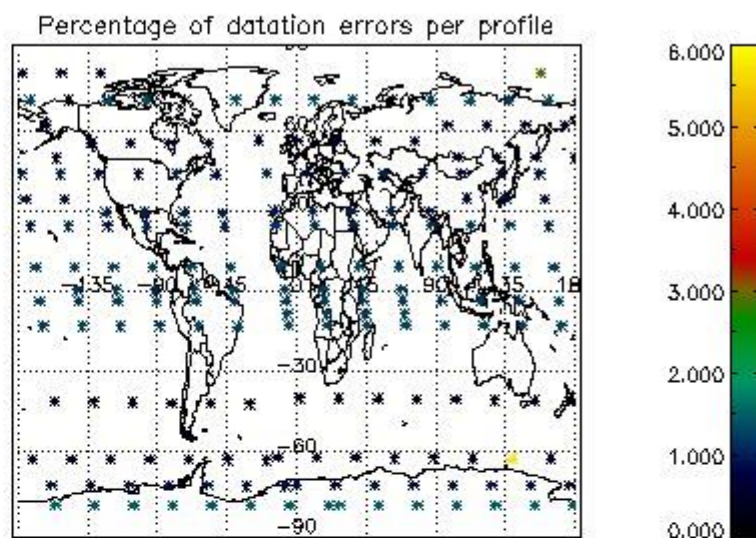
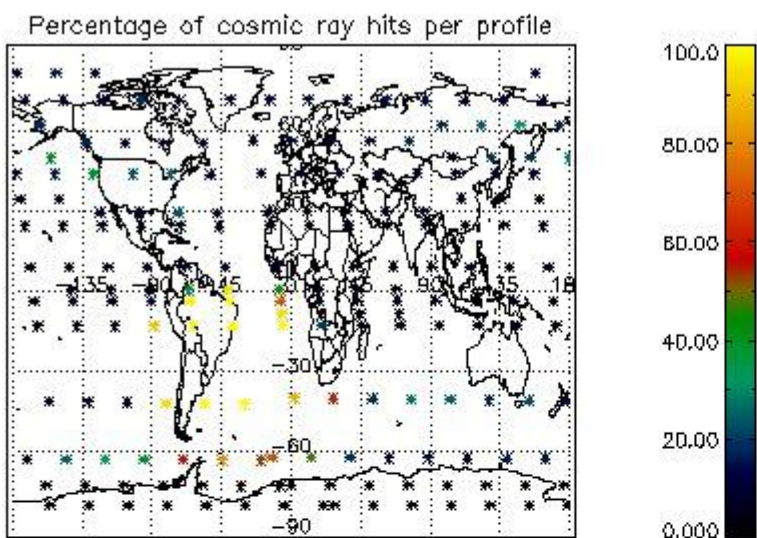


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

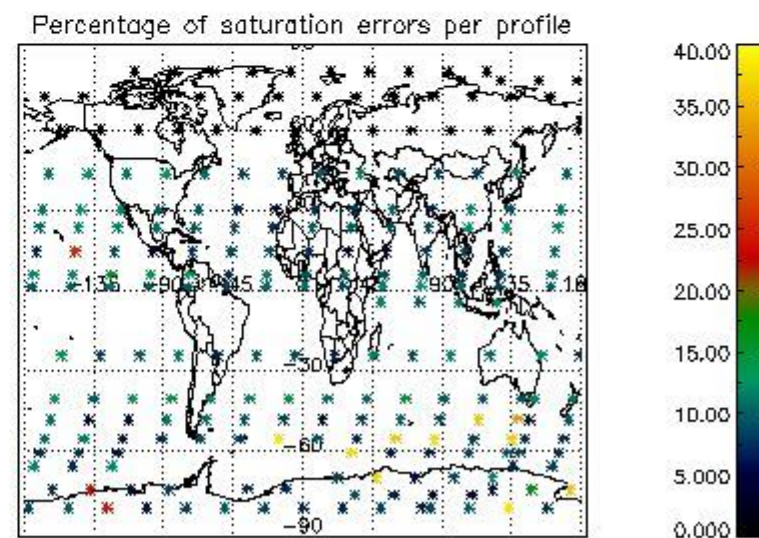
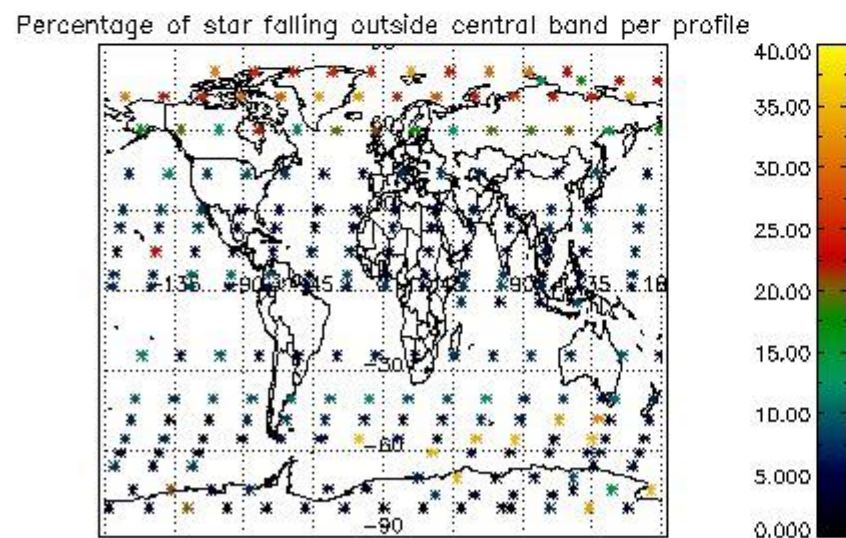
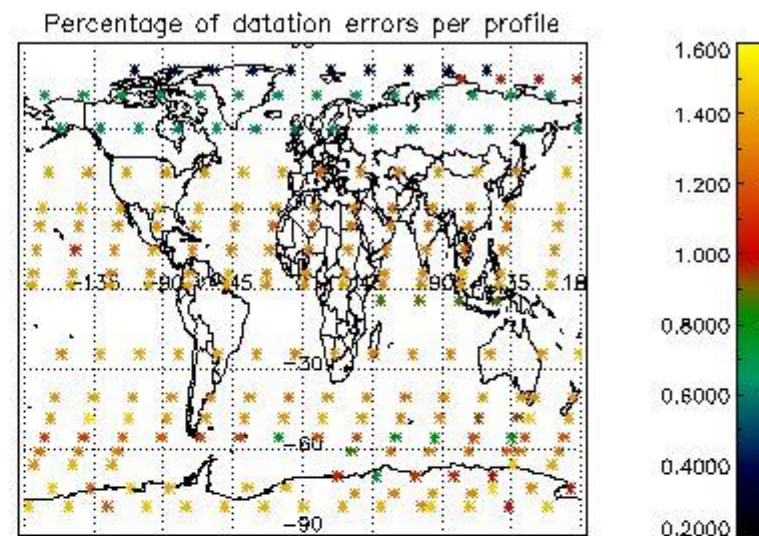
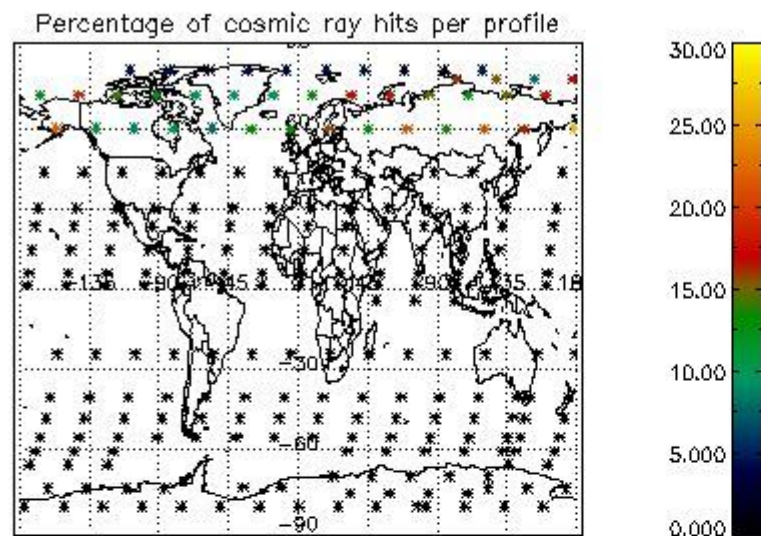


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/o3_std of the level 2 products. The table below shows the statistics for given STD ranges.

The statistics are given with respect to the overall valid production:

- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

The 'Criteria' is applied to valid points of dark limb products:

- Products in dark limb illumination condition: GOM_NL__2P/NL_SUMMARY_QUALITY/obs_ill_cond=0
- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

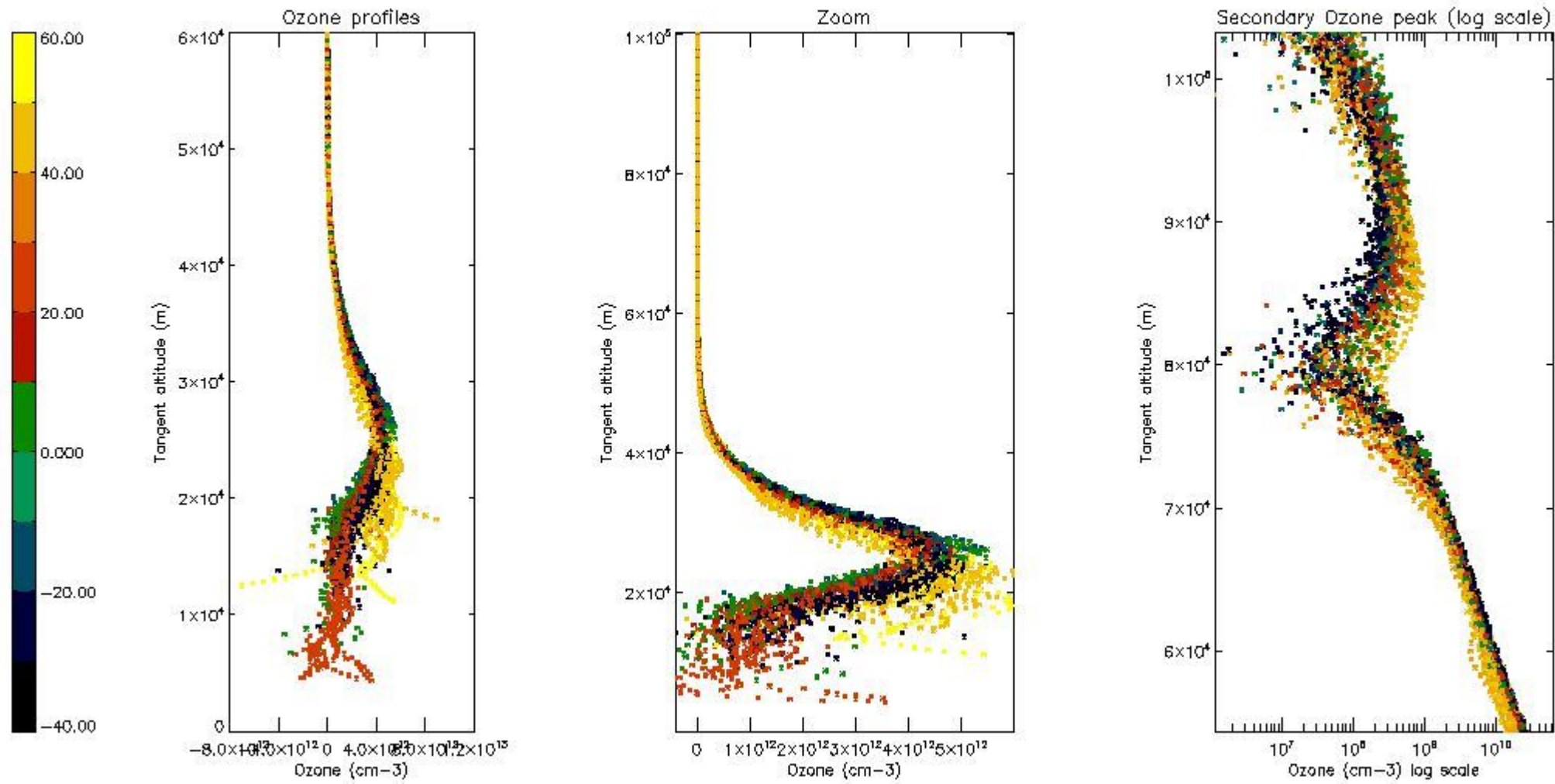
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	26
STD < 20	18

STD < 10	16
STD < 5	13

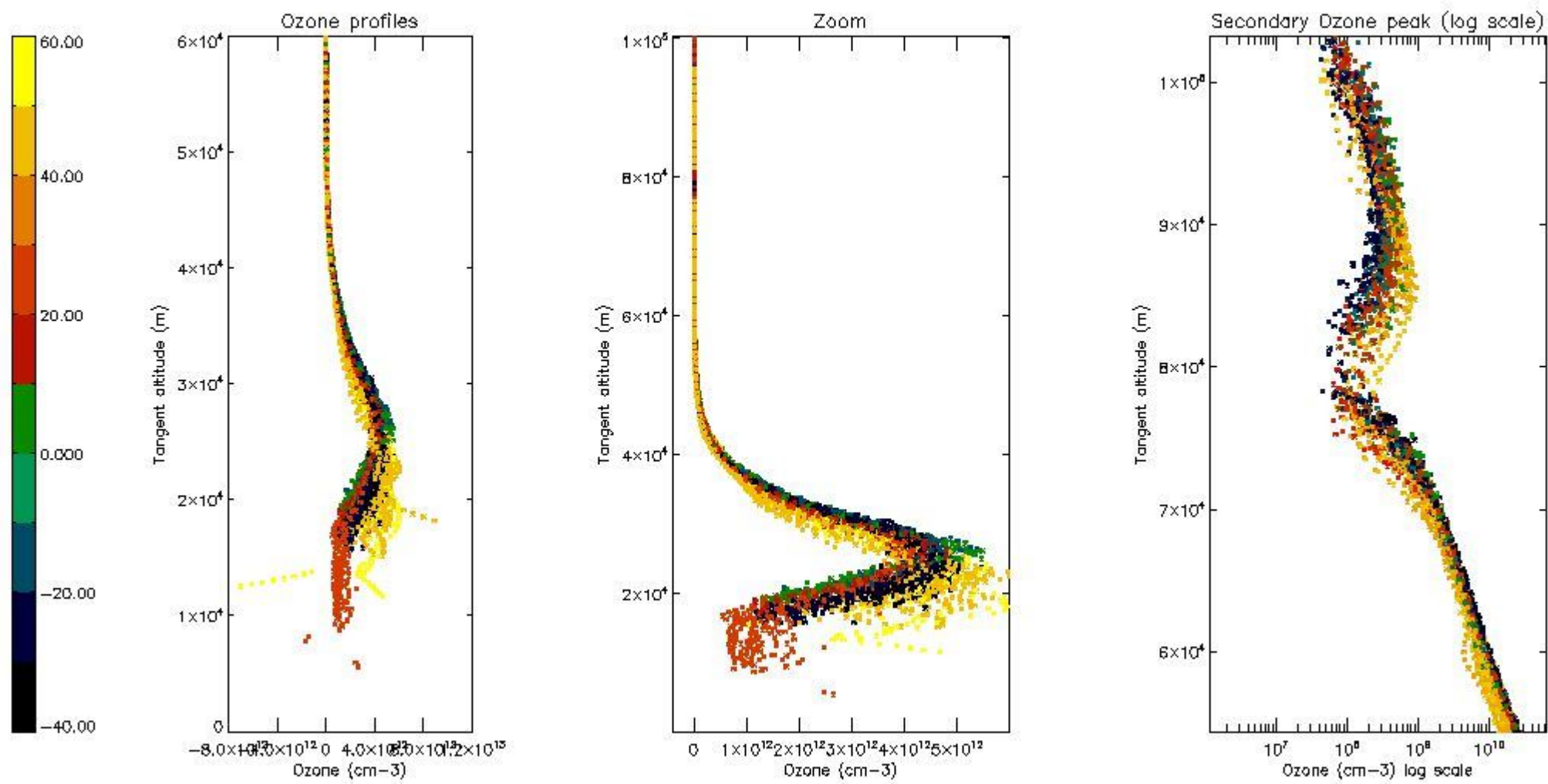
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



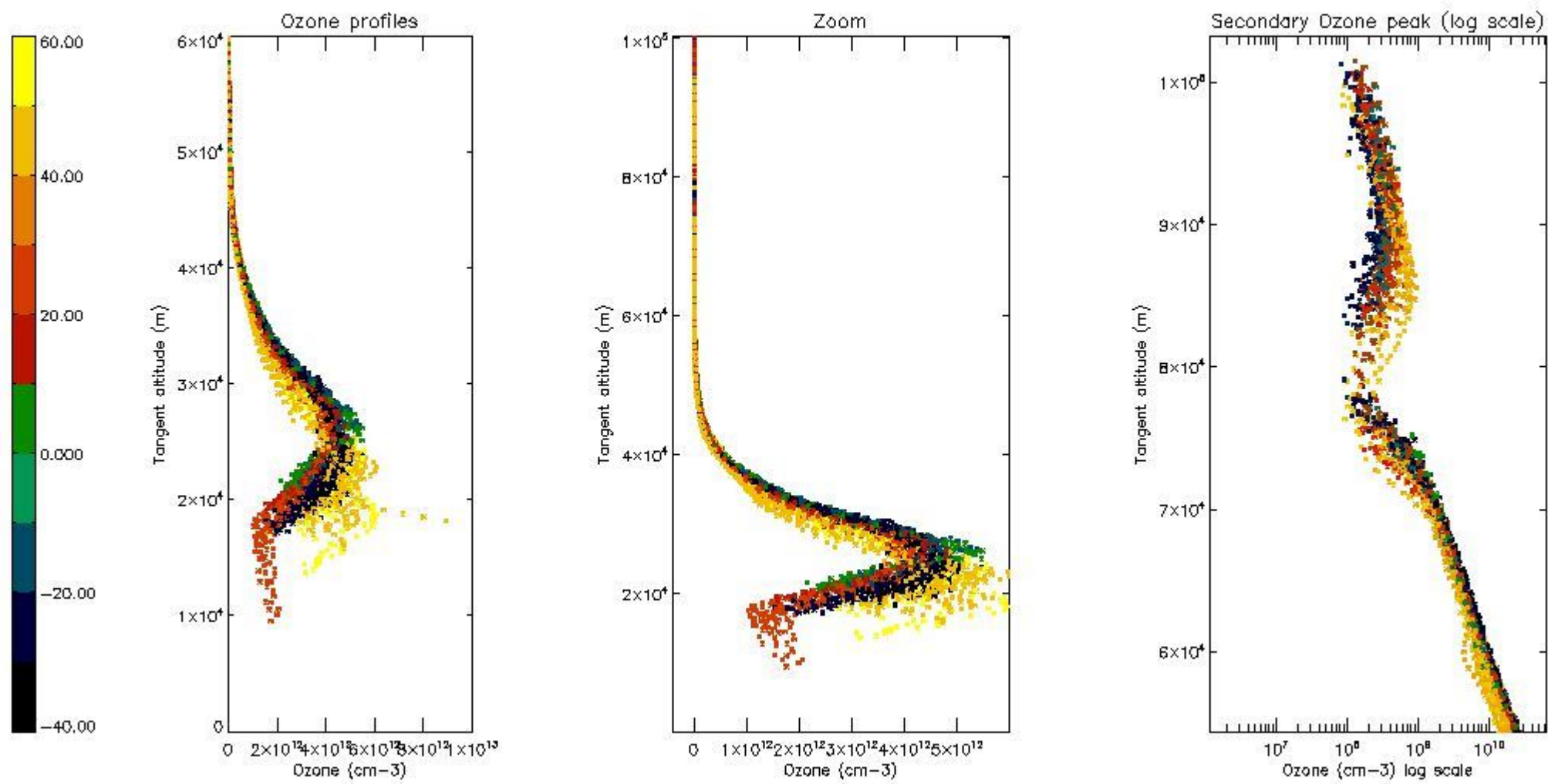
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



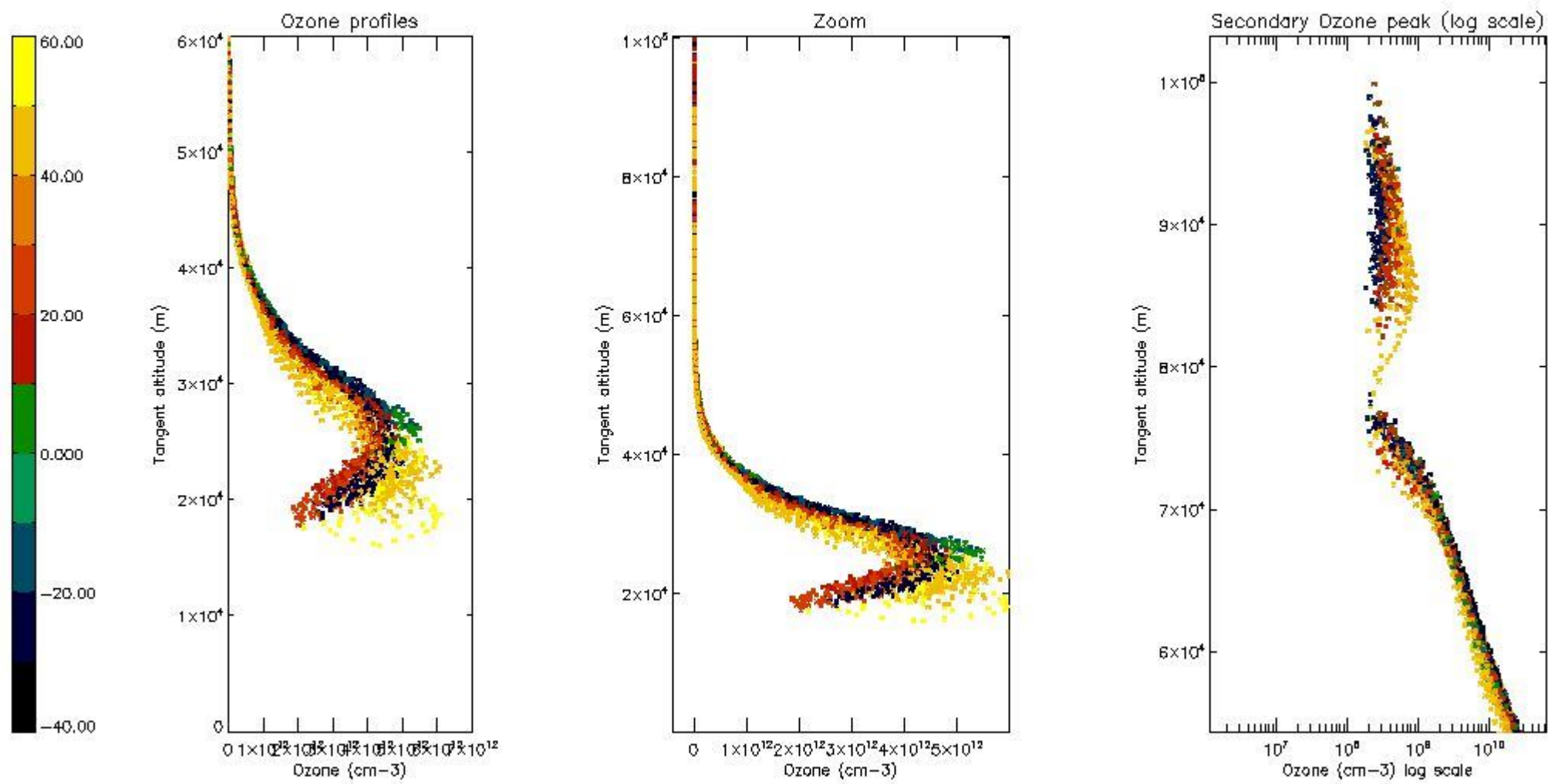
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



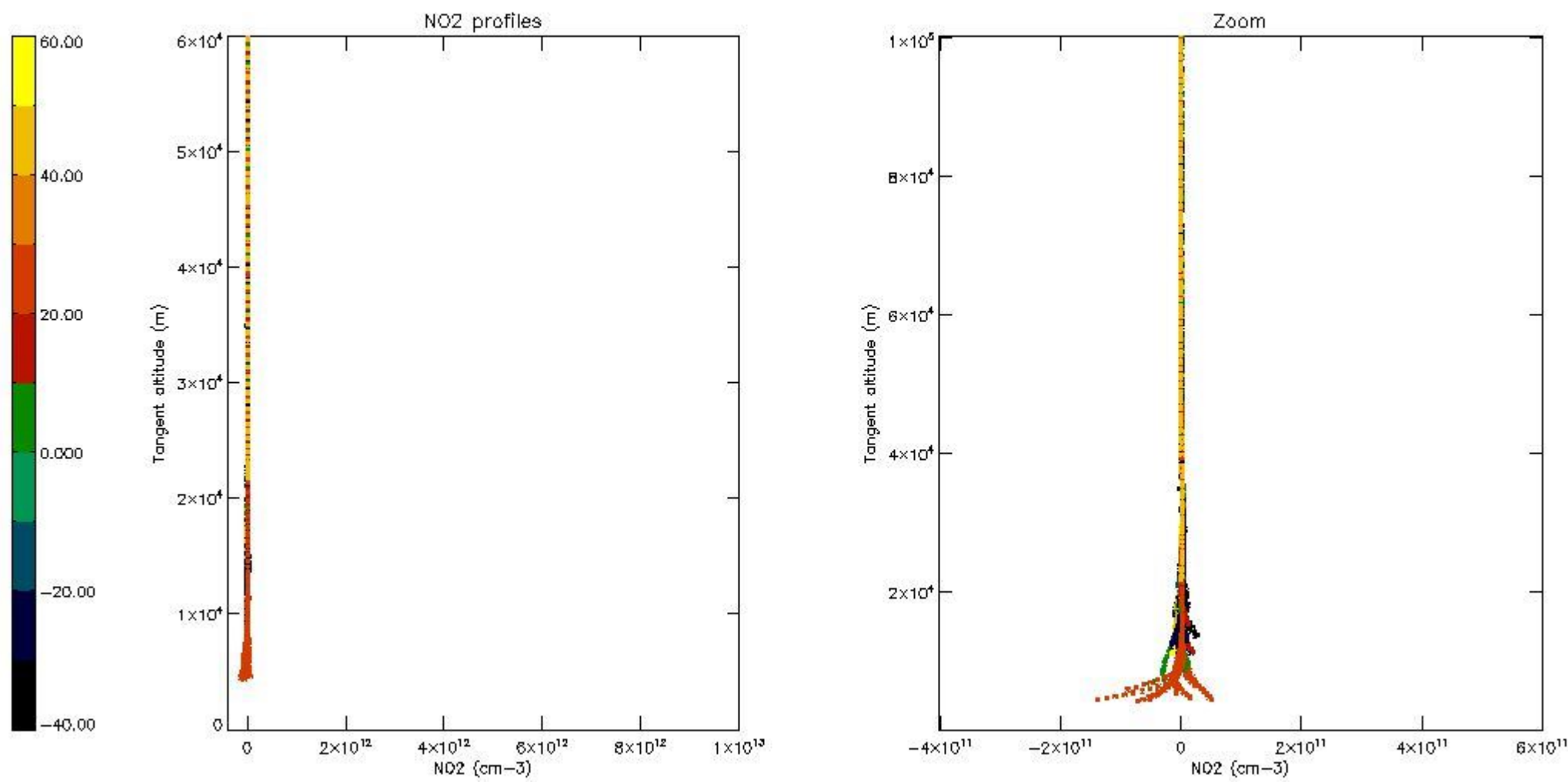
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



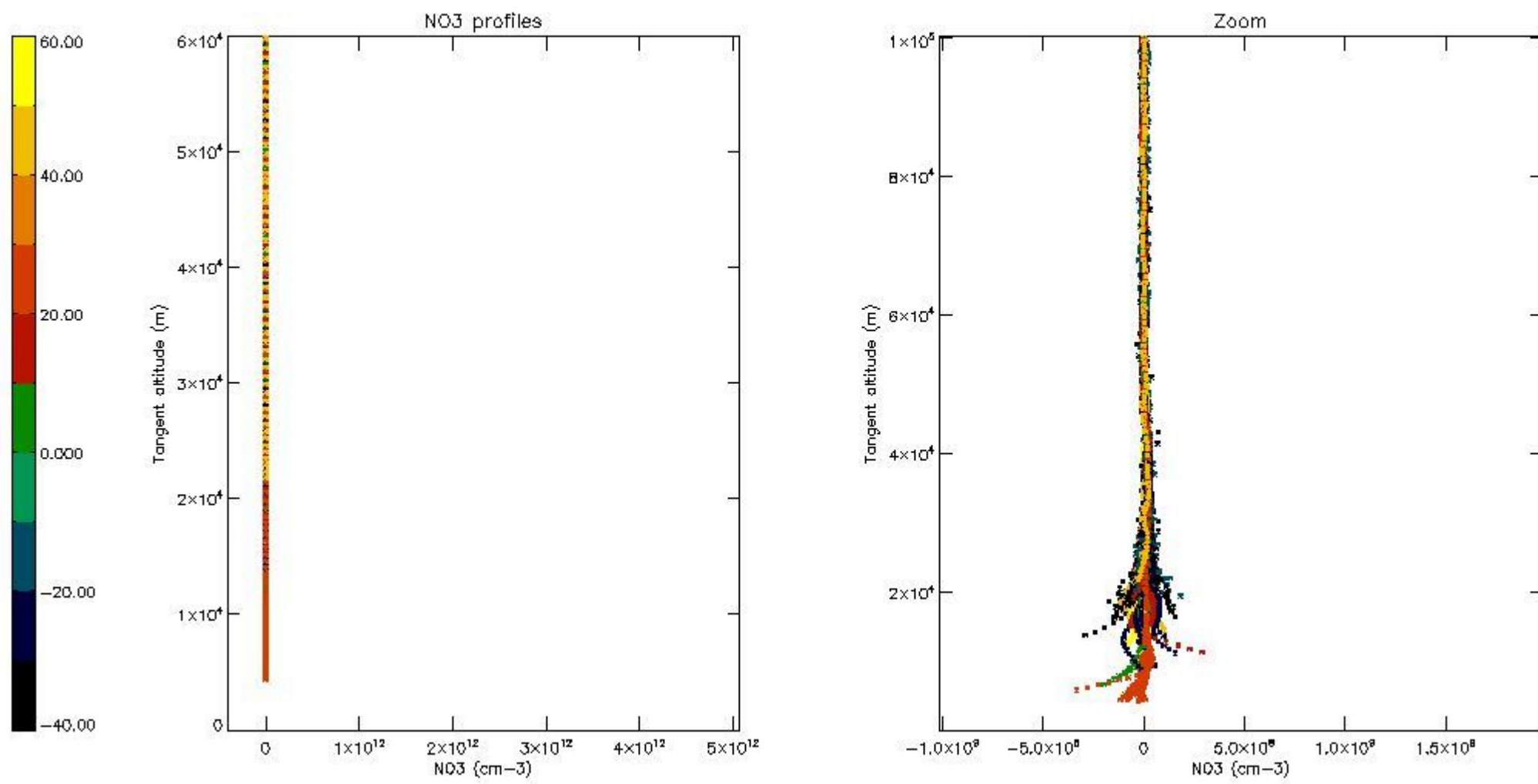
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



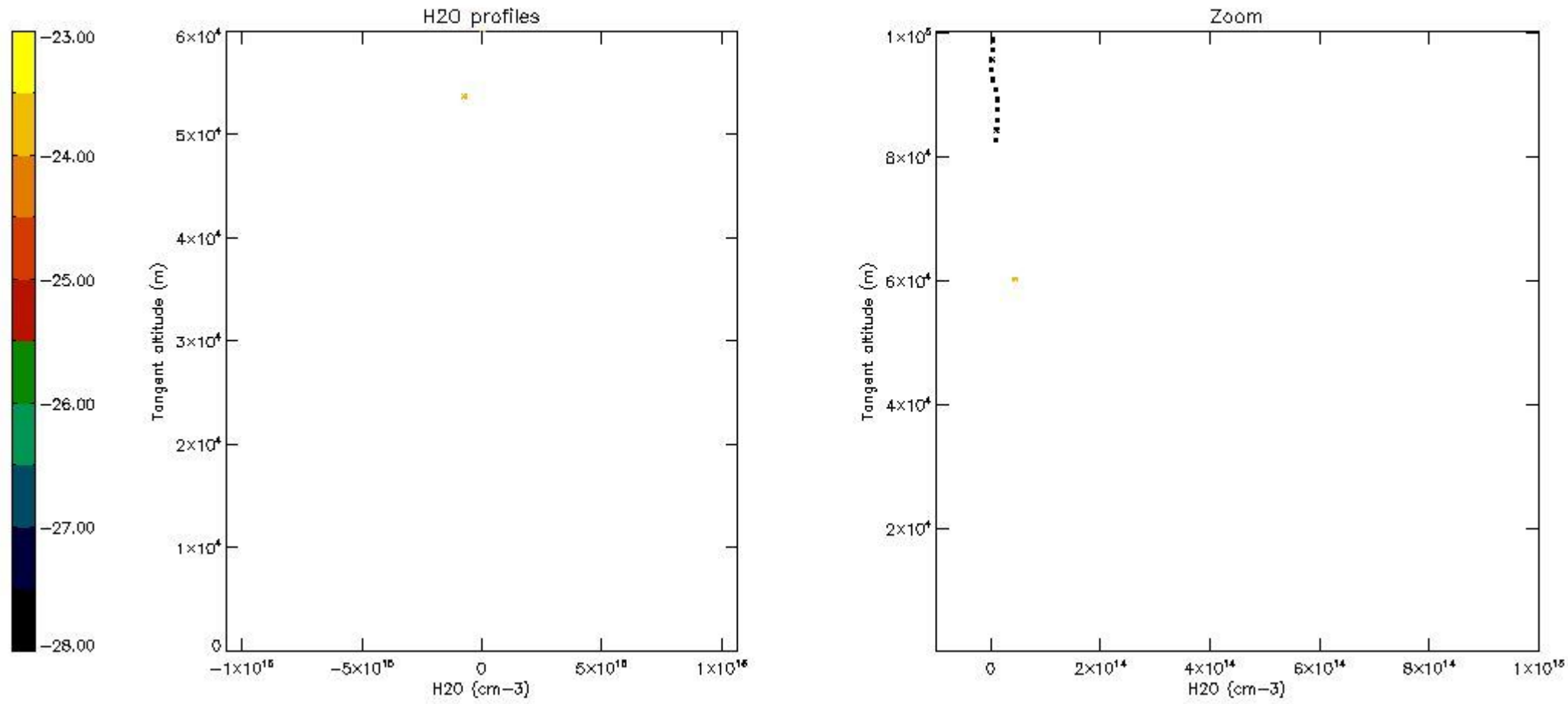
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	23-NOV-2003 00:04:25
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	23-NOV-2003 00:04:25
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	23-NOV-2003 00:04:25

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

[2. Summary of processed GOM_NL_2P products](#)

[3. Level 2 Quality information per product](#)

[3.1 Plot of level 2 quality information per product \(time dependant\)](#)

[3.2 Plot of level 2 quality information per product \(world map\)](#)

[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](#)

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

[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% \(dark without errors\)](#)

[5.4. Plot ozone profiles where STD < 10% \(dark without errors\)](#)

[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](#)

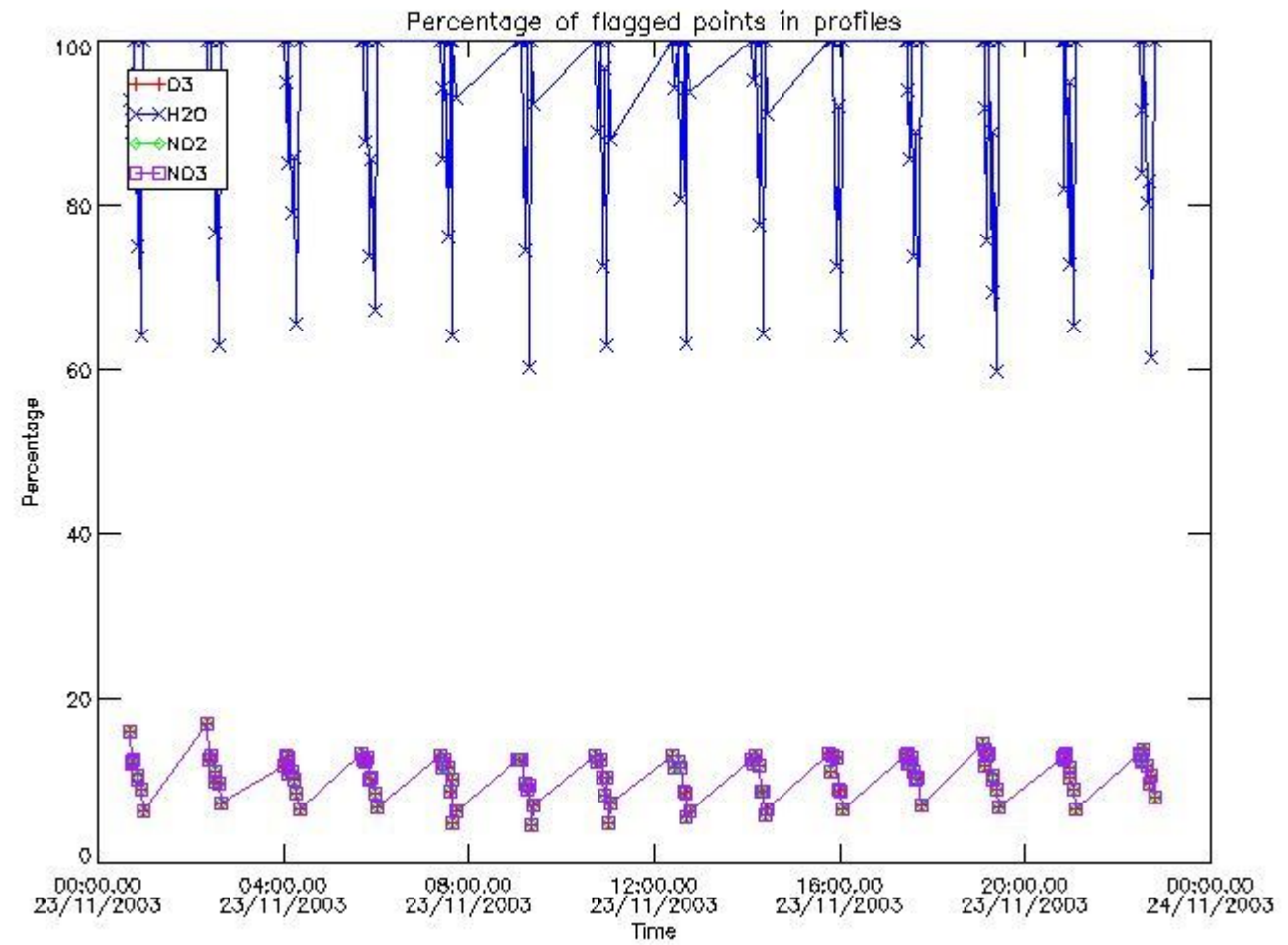
[6. Auxiliary Data Files used for the production reported in section 2](#)

397	GOM_NL__2PRFIN20031123_220745_000000352021_00487_09058_9061.N1	23-NOV-2003 22:07:45	Bright	34.500	3	16Alp Boo	-0.050000	4250.0	69	9058	No
398	GOM_NL__2PRFIN20031123_221031_000000682021_00487_09058_9062.N1	23-NOV-2003 22:10:31	Bright	67.500	96	68Del Leo	2.5600	9300.0	135	9058	No
399	GOM_NL__2PRFIN20031123_221338_000001162021_00487_09058_9063.N1	23-NOV-2003 22:13:38	Twilight	115.50	51	41Gam1Leo	2.0100	4500.0	231	9058	No
400	GOM_NL__2PRFIN20031123_222004_000001622021_00487_09058_9064.N1	23-NOV-2003 22:20:04	Straylight	161.50	22	32Alp Leo	1.3600	15200.	323	9058	No
401	GOM_NL__2PRFIN20031123_222742_000000392021_00487_09058_9065.N1	23-NOV-2003 22:27:42	Dark	38.500	64	Gam Cen	2.2000	10600.	77	9058	No
402	GOM_NL__2PRFIN20031123_222853_000000402021_00487_09058_9066.N1	23-NOV-2003 22:28:53	Dark	39.500	99	Del Cen	2.5750	26000.	79	9058	No
403	GOM_NL__2PRFIN20031123_223019_000000422021_00487_09058_9067.N1	23-NOV-2003 22:30:19	Dark	41.500	20	Bet Cru	1.2530	30000.	83	9058	No
404	GOM_NL__2PRFIN20031123_223129_000000412021_00488_09059_9037.N1	23-NOV-2003 22:31:29	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	9059	No
405	GOM_NL__2PRFIN20031123_223354_000000372021_00488_09059_9038.N1	23-NOV-2003 22:33:54	Dark	37.000	124	The Car	2.7640	30000.	74	9059	No
406	GOM_NL__2PRFIN20031123_223814_000000442021_00488_09059_9039.N1	23-NOV-2003 22:38:14	Dark	43.500	41	Eps Car	1.8600	4100.0	87	9059	No
407	GOM_NL__2PRFIN20031123_223943_000000532021_00488_09059_9040.N1	23-NOV-2003 22:39:43	Dark	53.000	34	Gam2Vel	1.7930	23000.	106	9059	No
408	GOM_NL__2PRFIN20031123_224343_000000492021_00488_09059_9041.N1	23-NOV-2003 22:43:43	Dark	48.500	2	Alp Car	-0.73600	7000.0	97	9059	No
409	GOM_NL__2PRFIN20031123_224710_000000712021_00488_09059_9042.N1	23-NOV-2003 22:47:10	Dark	70.500	88	31Eta CMa	2.4480	20000.	141	9059	No
410	GOM_NL__2PRFIN20031123_225141_000000372021_00488_09059_9043.N1	23-NOV-2003 22:51:41	Straylight	36.500	157	The1Eri	2.9060	9300.0	73	9059	No
411	GOM_NL__2PRFIN20031123_225633_000001382021_00488_09059_9044.N1	23-NOV-2003 22:56:33	Straylight	137.50	1	9Alp CMa	-1.4400	11000.	275	9059	No
412	GOM_NL__2PRFIN20031123_230042_000000762021_00488_09059_9045.N1	23-NOV-2003 23:00:42	Straylight	76.000	7	19Bet Ori	0.10000	14000.	152	9059	No
413	GOM_NL__2PRFIN20031123_230428_000000802021_00488_09059_9046.N1	23-NOV-2003 23:04:28	Twilight	80.000	30	46Eps Ori	1.6940	30000.	160	9059	No
414	GOM_NL__2PRFIN20031123_230914_000000362021_00488_09059_9047.N1	23-NOV-2003 23:09:14	Bright	35.500	105	6Bet Ari	2.6450	8900.0	71	9059	No
415	GOM_NL__2PRFIN20031123_231302_000000362021_00488_09059_9048.N1	23-NOV-2003 23:13:02	Bright	35.500	173	4Bet Tri	3.0040	8900.0	71	9059	No
416	GOM_NL__2PRFIN20031123_231453_000000382021_00488_09059_9049.N1	23-NOV-2003 23:14:53	Bright	37.500	79	26Bet Per	2.3100	13100.	75	9059	No
417	GOM_NL__2PRFIN20031123_231722_000000392021_00488_09059_9050.N1	23-NOV-2003 23:17:22	Bright	38.500	175	39Del Per	3.0100	19400.	77	9059	No
418	GOM_NL__2PRFIN20031123_231951_000000372021_00488_09059_9051.N1	23-NOV-2003 23:19:51	Bright	36.500	68	18Alp Cas	2.2250	4500.0	73	9059	No
419	GOM_NL__2PRFIN20031123_232104_000000362021_00488_09059_9052.N1	23-NOV-2003 23:21:04	Bright	36.000	74	11Bet Cas	2.2680	6600.0	72	9059	No
420	GOM_NL__2PRFIN20031123_232818_000000382021_00488_09059_9053.N1	23-NOV-2003 23:28:18	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	9059	No
421	GOM_NL__2PRFIN20031123_233251_000000382021_00488_09059_9054.N1	23-NOV-2003 23:32:51	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	9059	No
422	GOM_NL__2PRFIN20031123_233508_000000342021_00488_09059_9055.N1	23-NOV-2003 23:35:08	Bright	34.000	119	14Eta Dra	2.7270	4700.0	68	9059	No
423	GOM_NL__2PRFIN20031123_233709_000000432021_00488_09059_9056.N1	23-NOV-2003 23:37:09	Bright	43.000	82	48Bet UMa	2.3650	10600.	86	9059	No
424	GOM_NL__2PRFIN20031123_233841_000000412021_00488_09059_9057.N1	23-NOV-2003 23:38:41	Bright	40.500	87	64Gam UMa	2.4330	11000.	81	9059	No
425	GOM_NL__2PRFIN20031123_234008_000000352021_00488_09059_9058.N1	23-NOV-2003 23:40:08	Bright	34.500	39	85Eta UMa	1.8540	24000.	69	9059	No
426	GOM_NL__2PRFIN20031123_234253_000000342021_00488_09059_9059.N1	23-NOV-2003 23:42:53	Bright	33.500	180	27Gam Boo	3.0400	8000.0	67	9059	No
427	GOM_NL__2PRFIN20031123_234552_000000342021_00488_09059_9060.N1	23-NOV-2003 23:45:52	Bright	34.000	83		2.3780	11000.	68	9059	No
428	GOM_NL__2PRFIN20031123_234822_000000332021_00488_09059_9061.N1	23-NOV-2003 23:48:22	Bright	33.000	3	16Alp Boo	-0.050000	4250.0	66	9059	No
429	GOM_NL__2PRFIN20031123_235107_000000582021_00488_09059_9062.N1	23-NOV-2003 23:51:07	Bright	58.000	96	68Del Leo	2.5600	9300.0	116	9059	No
430	GOM_NL__2PRFIN20031123_235415_000001112021_00488_09059_9063.N1	23-NOV-2003 23:54:15	Twilight	110.50	51	41Gam1Leo	2.0100	4500.0	221	9059	No

3. Quality information per product

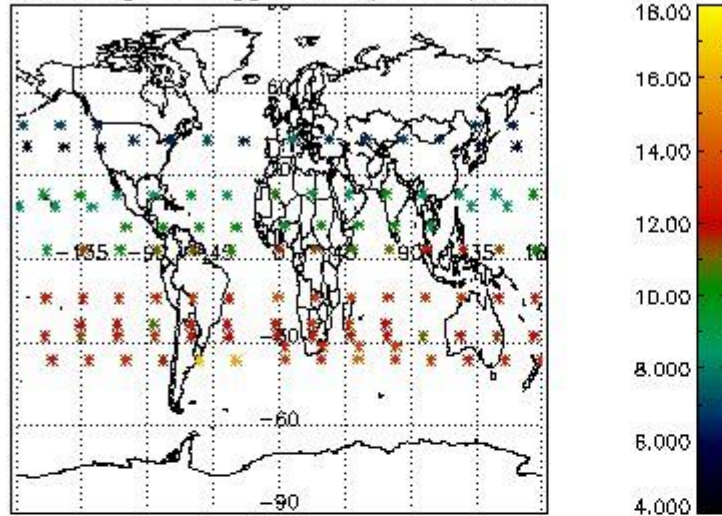
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

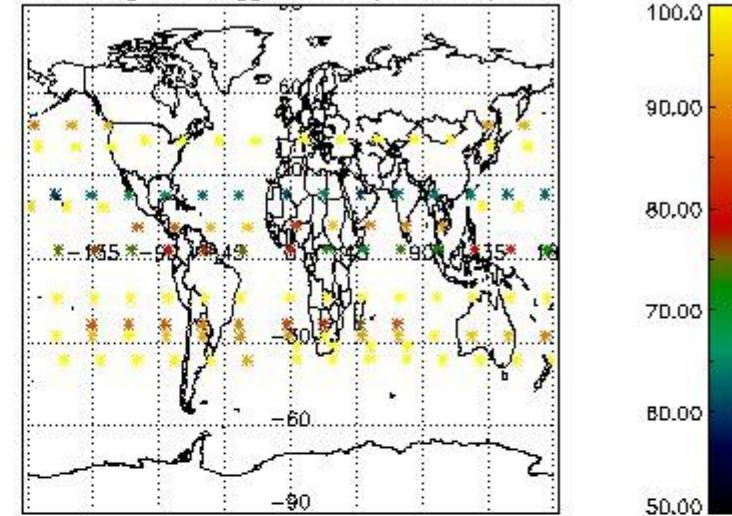


3.2 Plot quality information per product (world map)

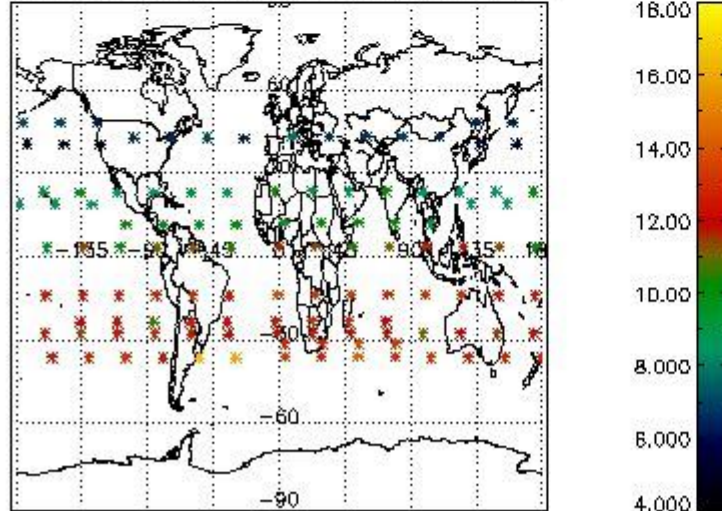
Percentage of flagged data per O3 profile



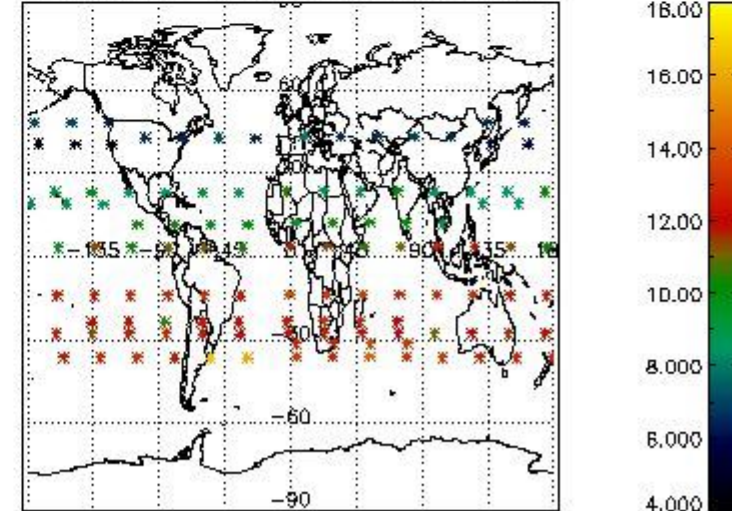
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

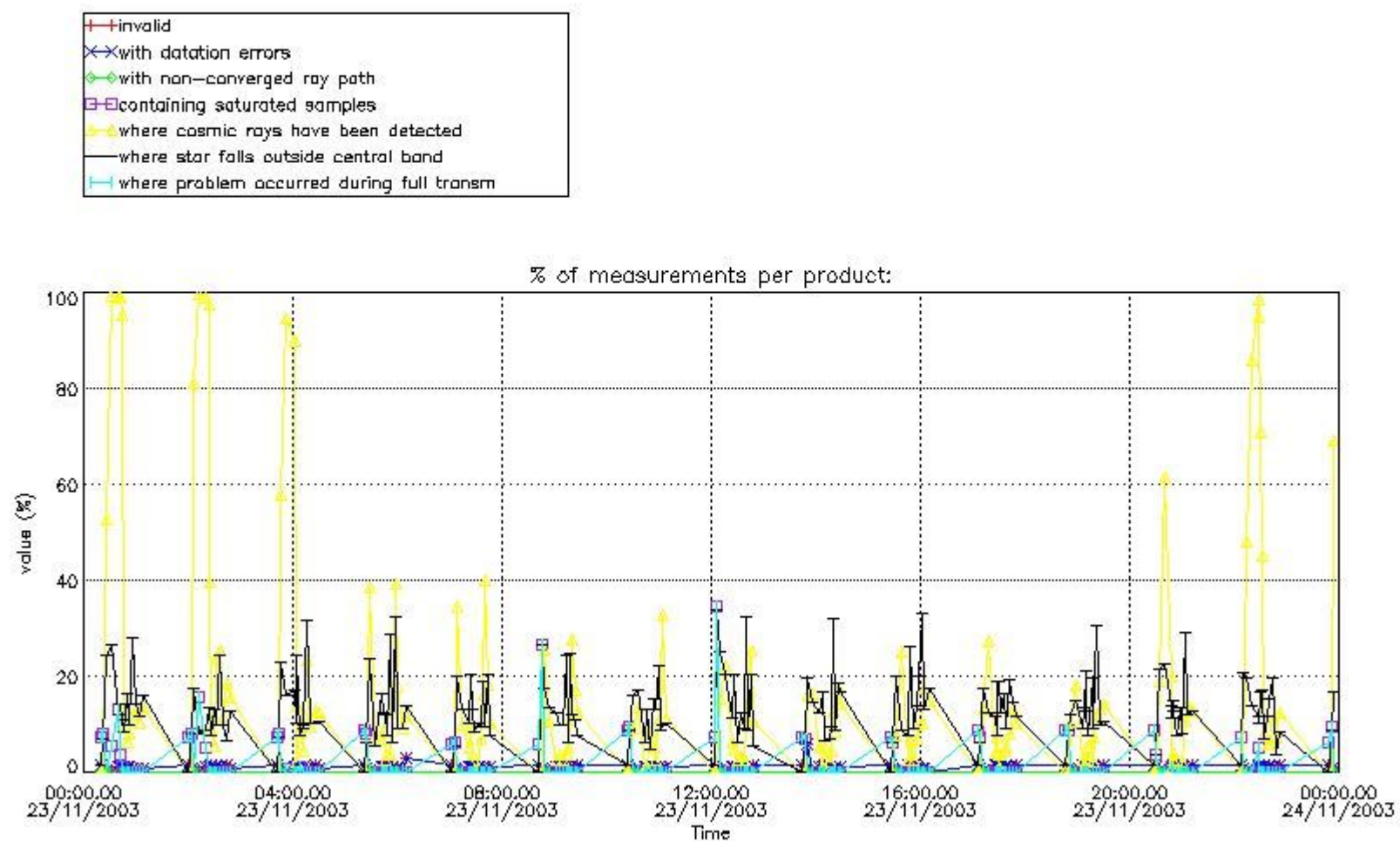


4. Level 1 quality information per product

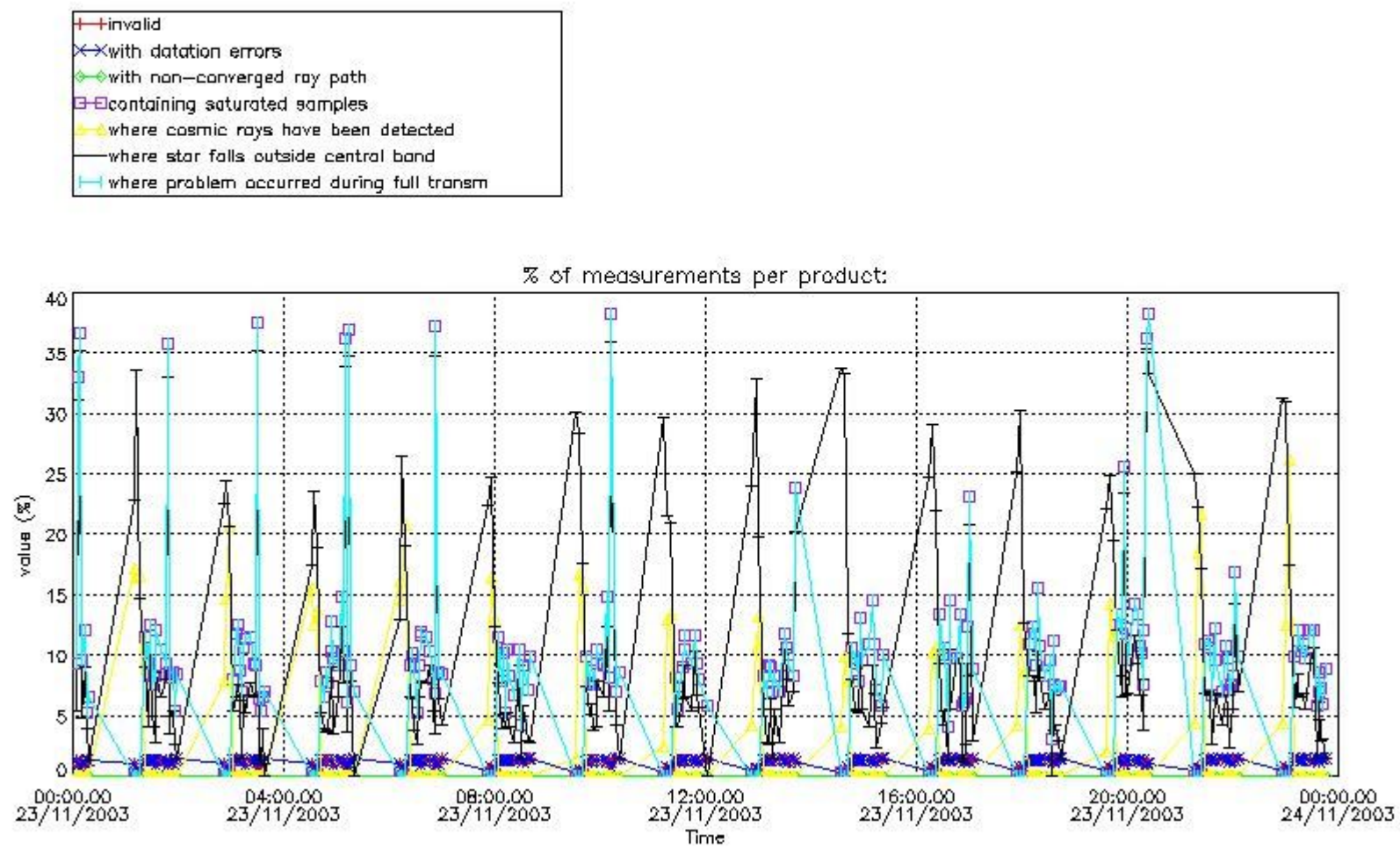
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

4.1 Plot quality information per product (time dependant) coming from level 1b processing

4.1.1 Plot level 1 quality information per product (time dependant): ENVISAT ASCENDING passes

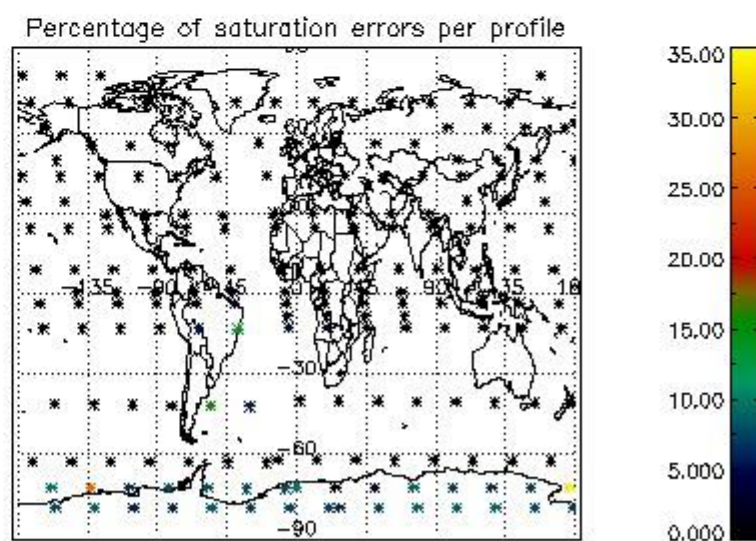
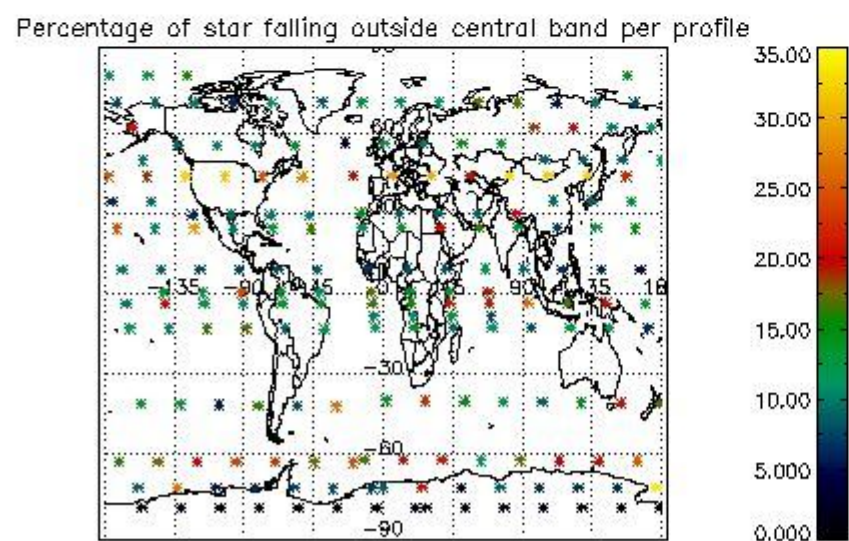
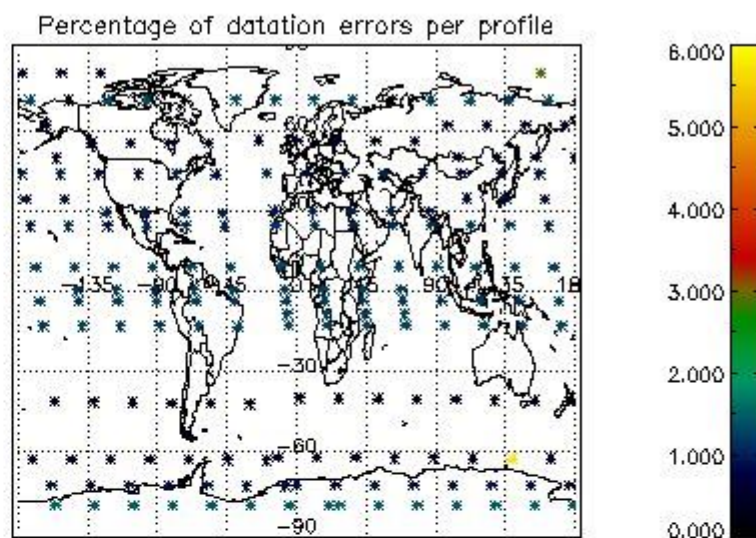
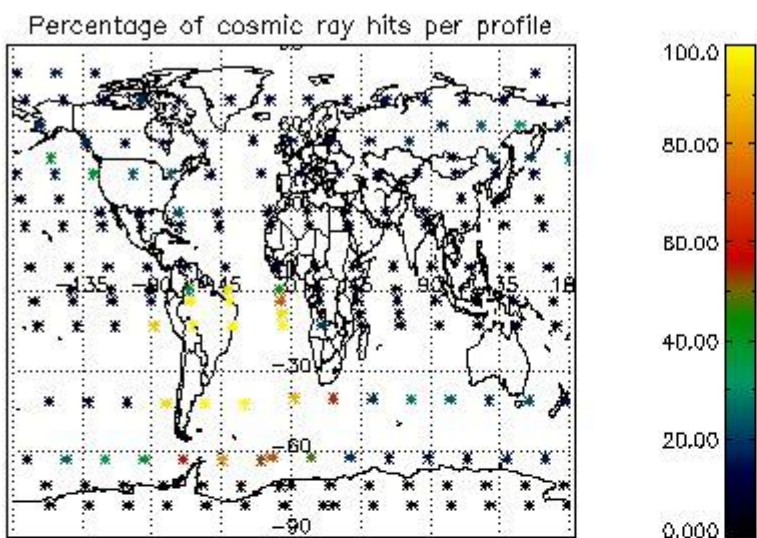


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

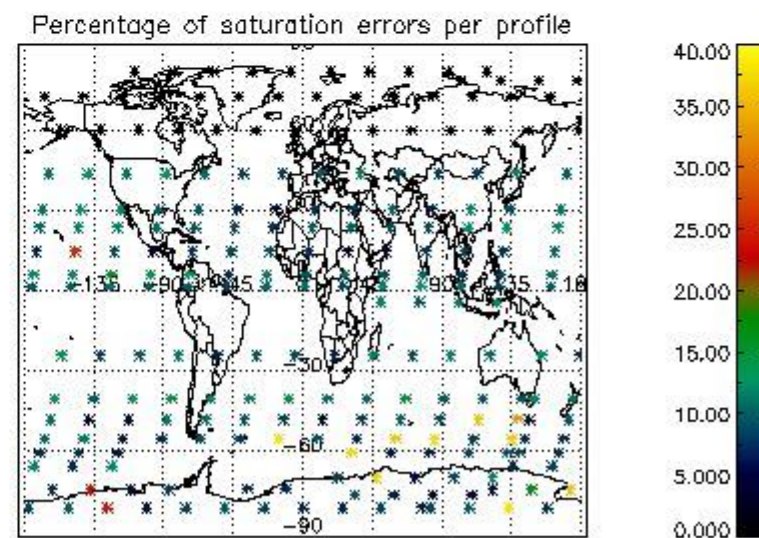
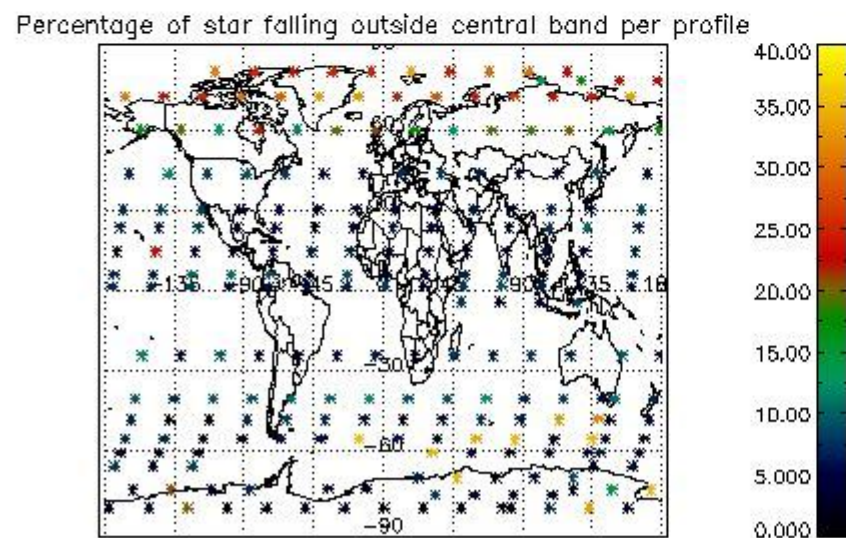
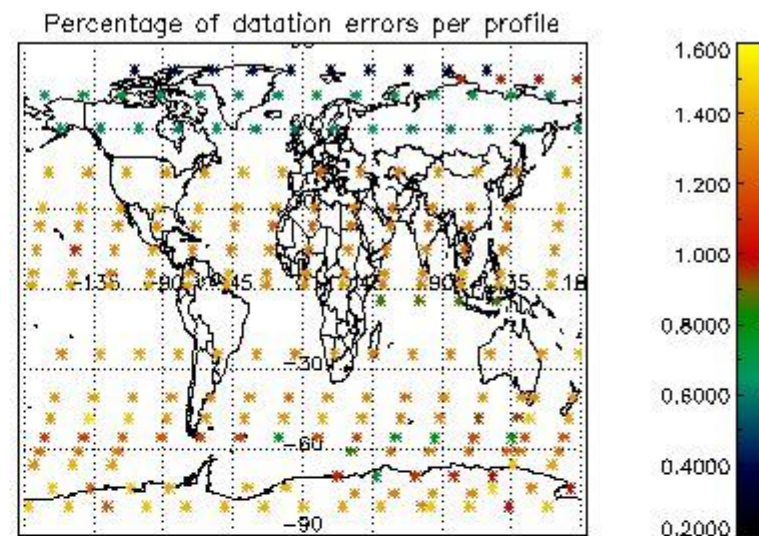
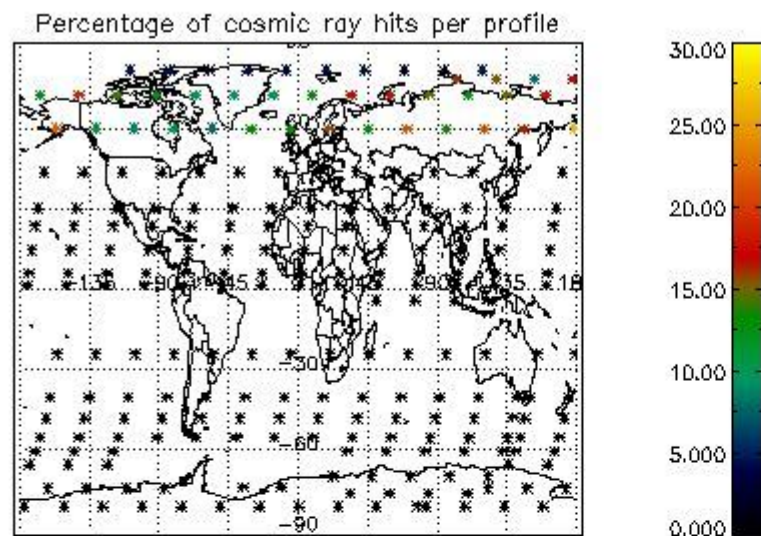


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/o3_std of the level 2 products. The table below shows the statistics for given STD ranges.

The statistics are given with respect to the overall valid production:

- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

The 'Criteria' is applied to valid points of dark limb products:

- Products in dark limb illumination condition: GOM_NL__2P/NL_SUMMARY_QUALITY/obs_ill_cond=0
- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

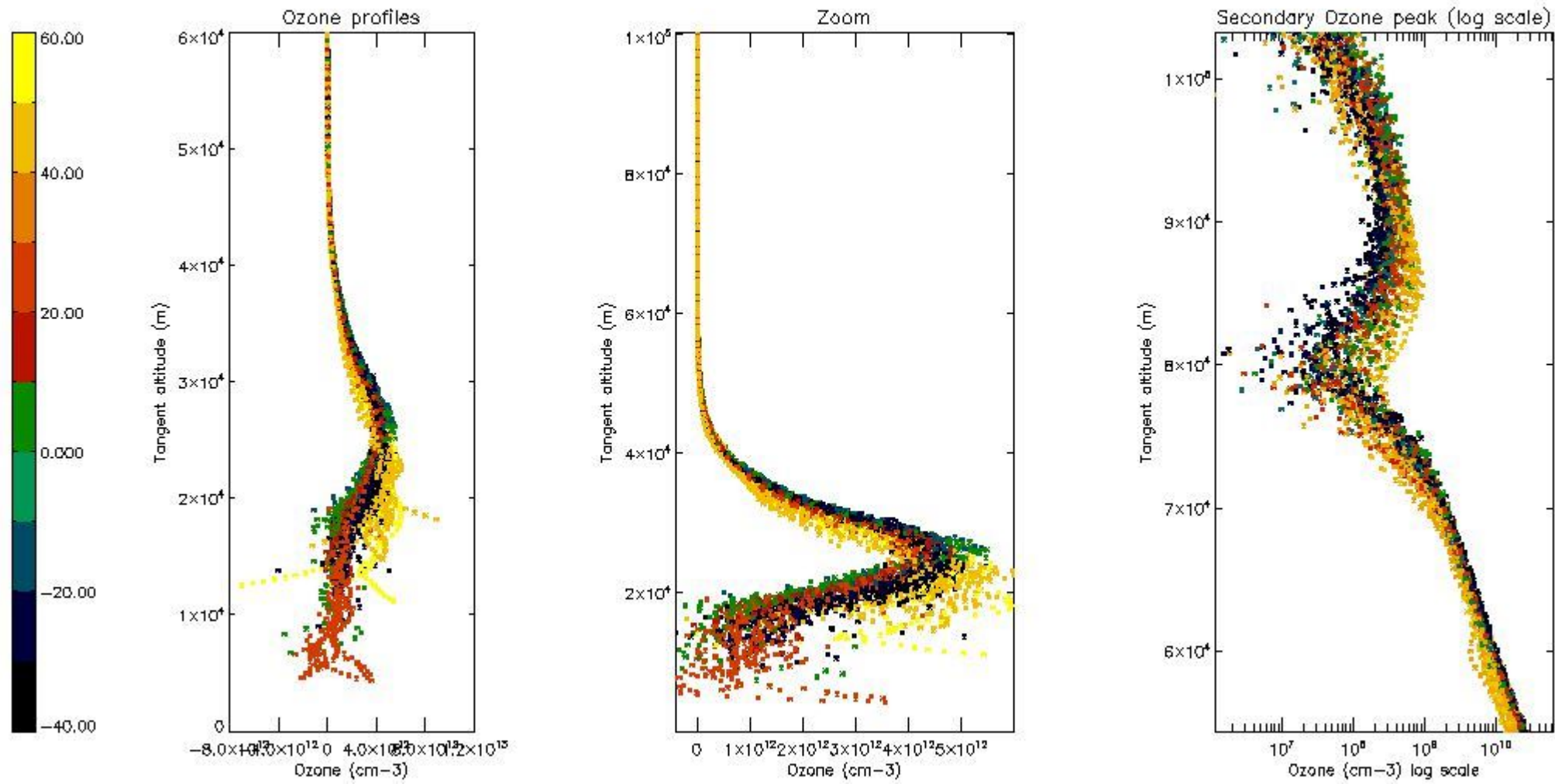
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	26
STD < 20	18

STD < 10	16
STD < 5	13

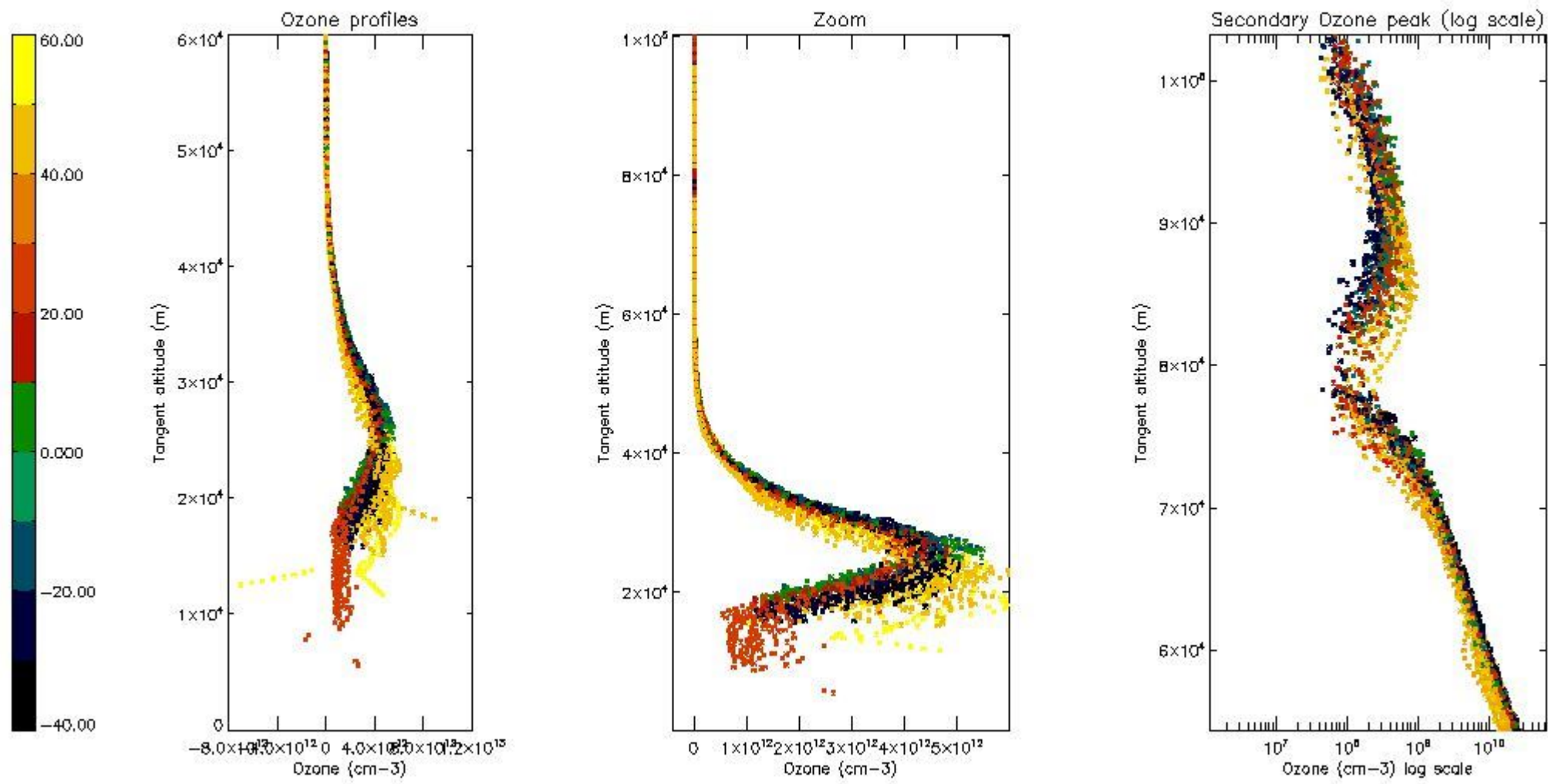
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



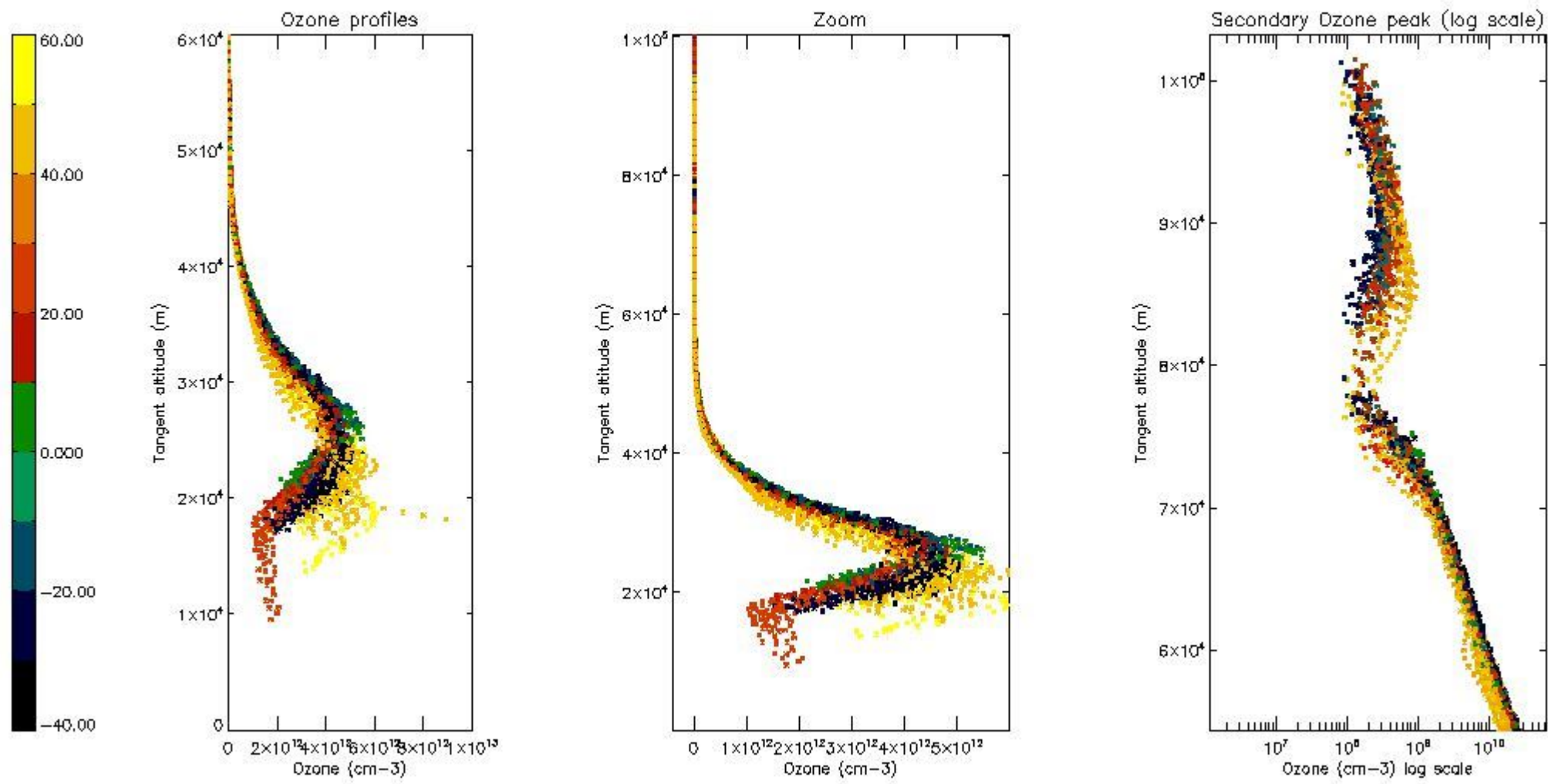
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



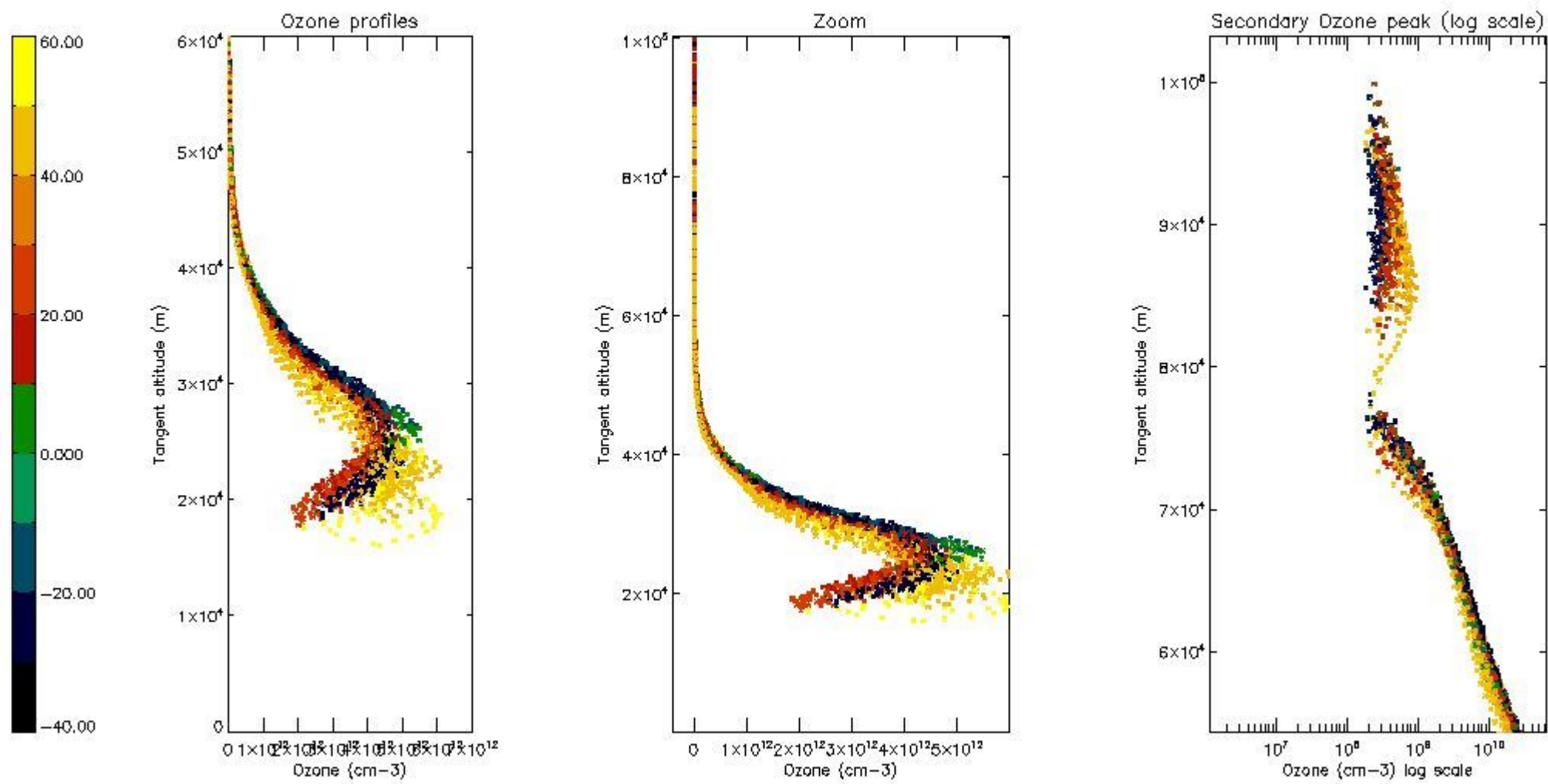
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



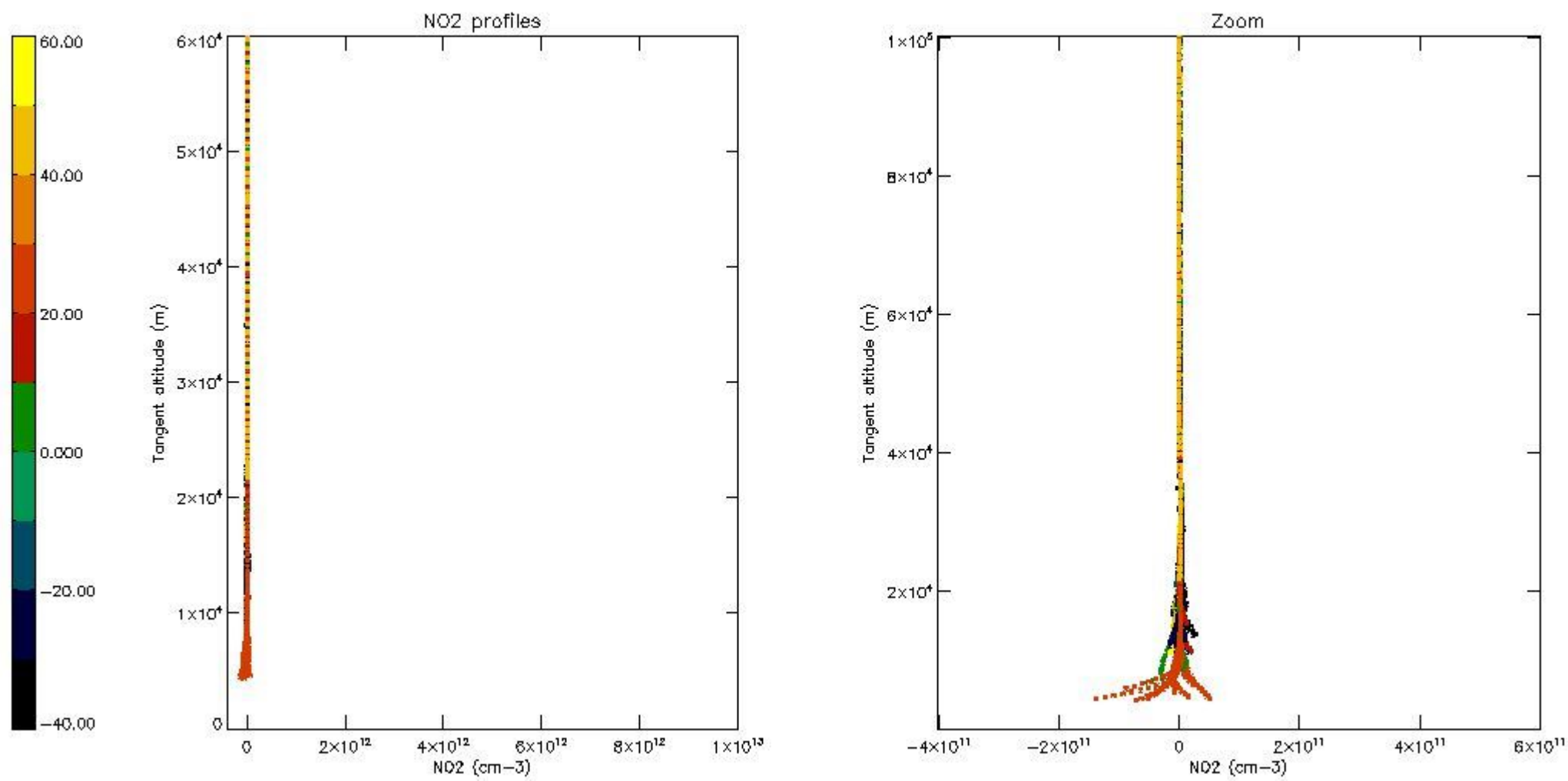
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



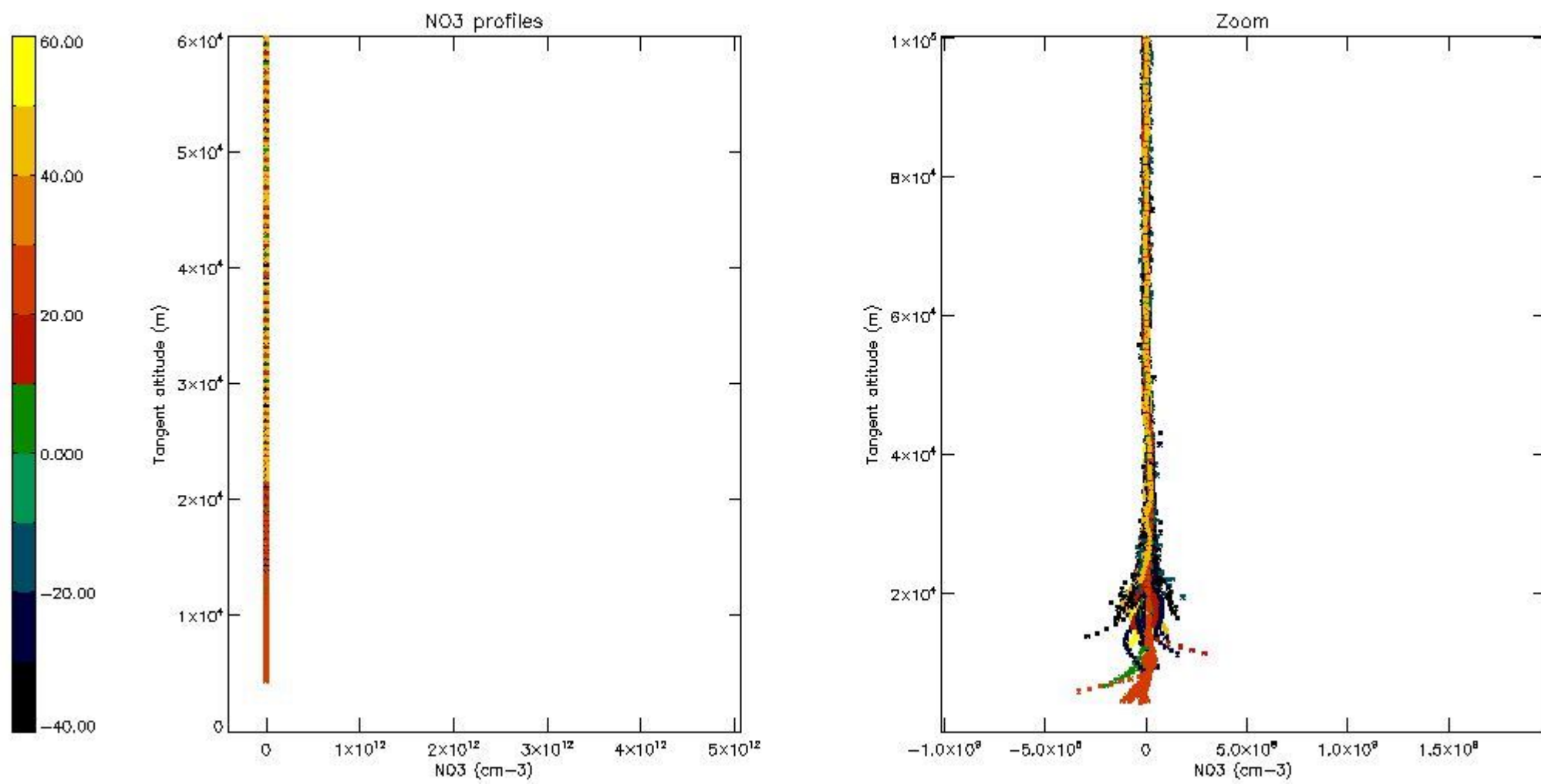
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



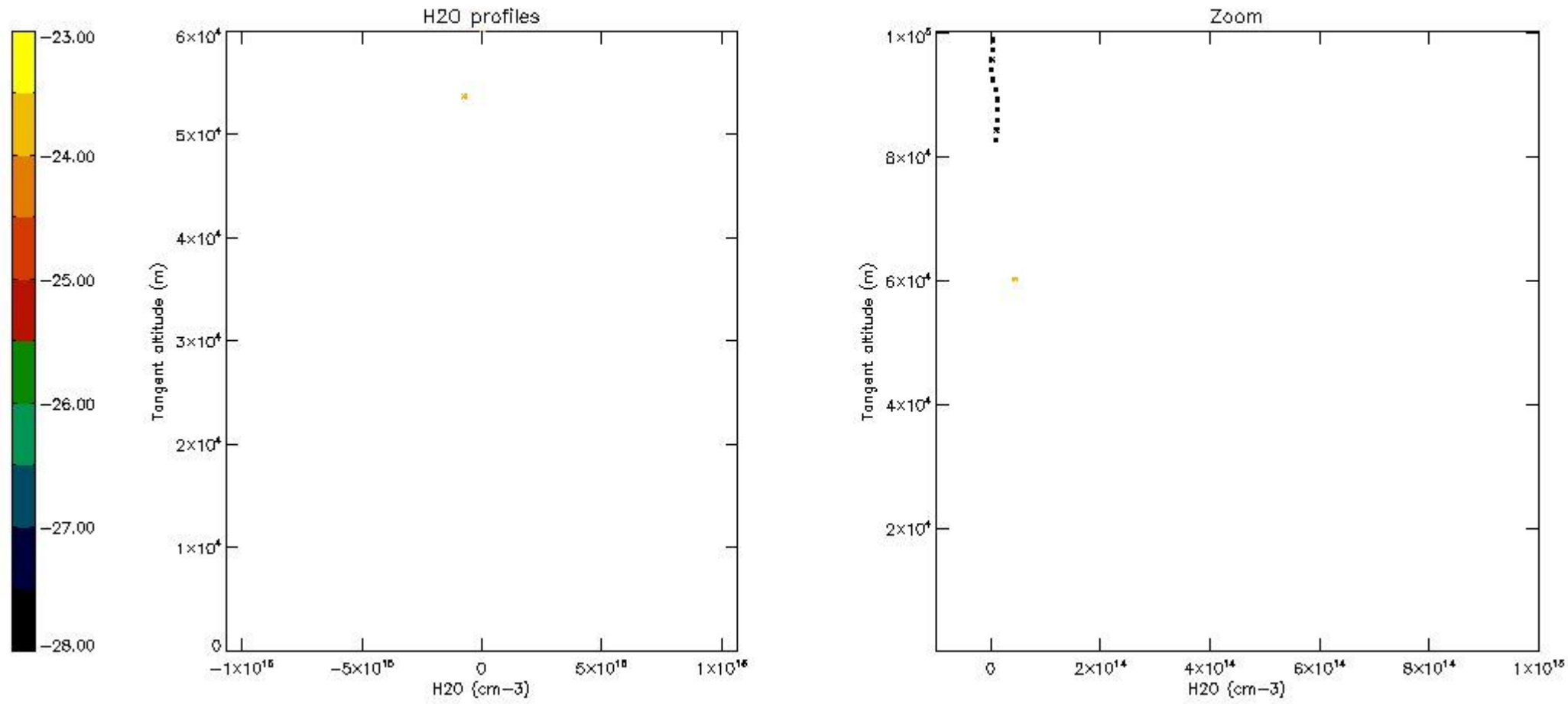
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

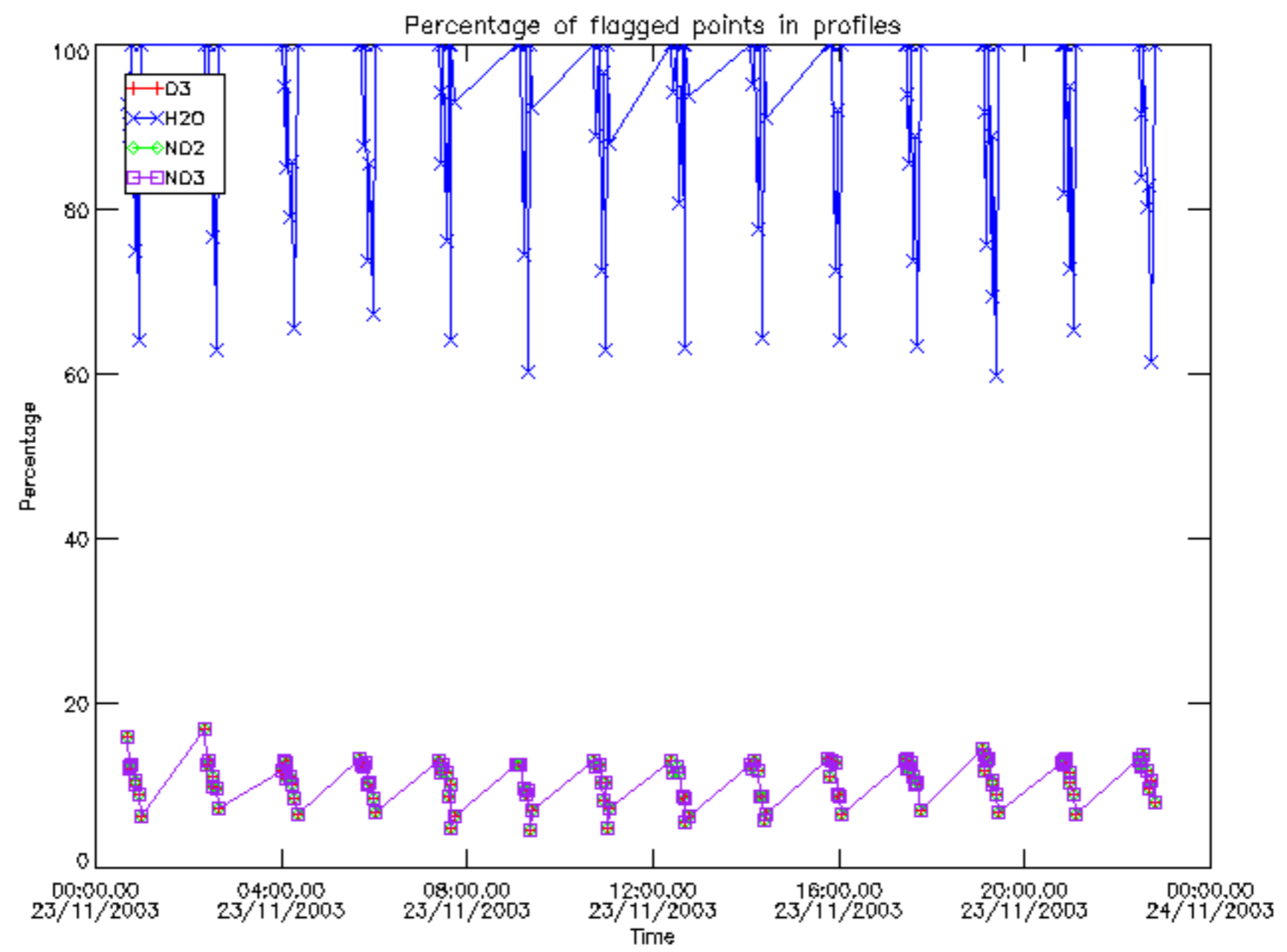
The colorbar represents the latitude.



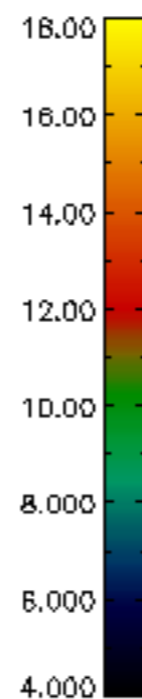
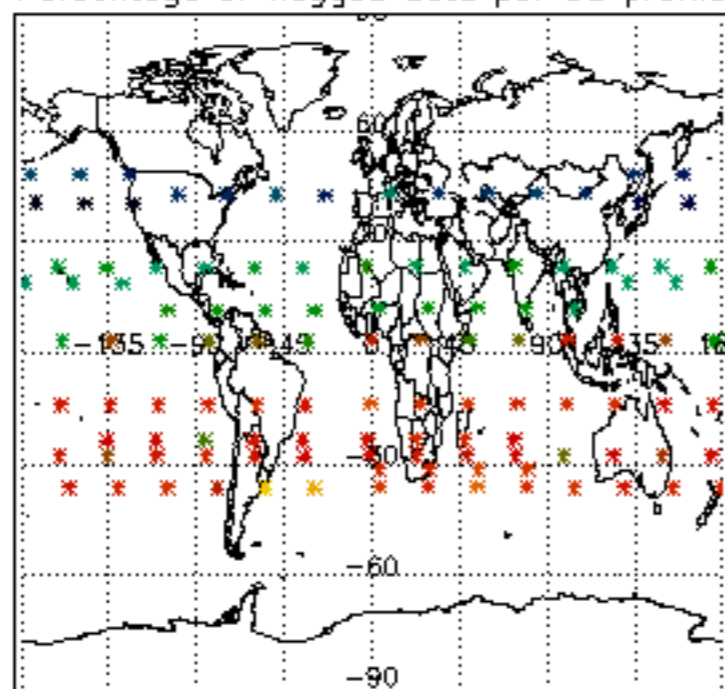
6. Auxiliary Data Files used for the production reported in section 2

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

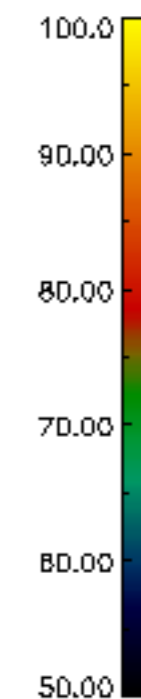
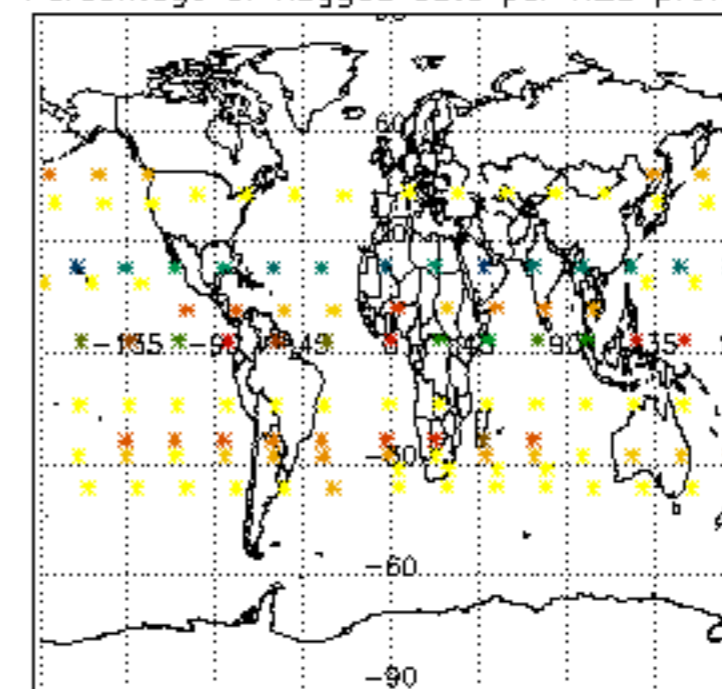
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	23-NOV-2003 00:04:25
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	23-NOV-2003 00:04:25
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	23-NOV-2003 00:04:25



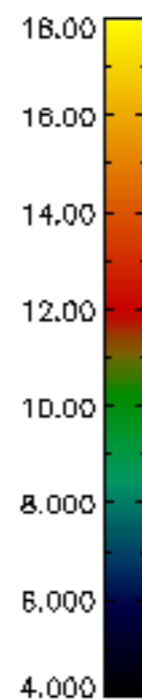
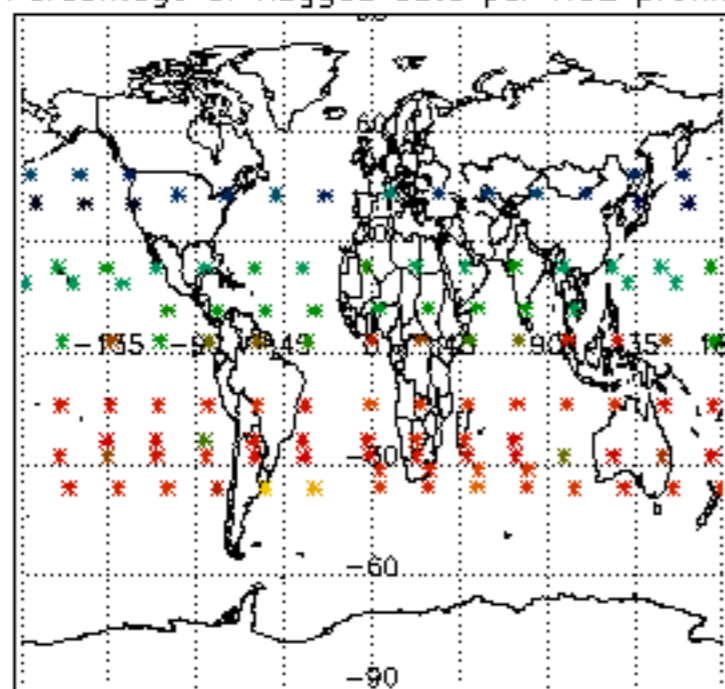
Percentage of flagged data per D3 profile



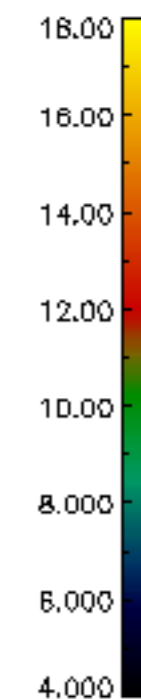
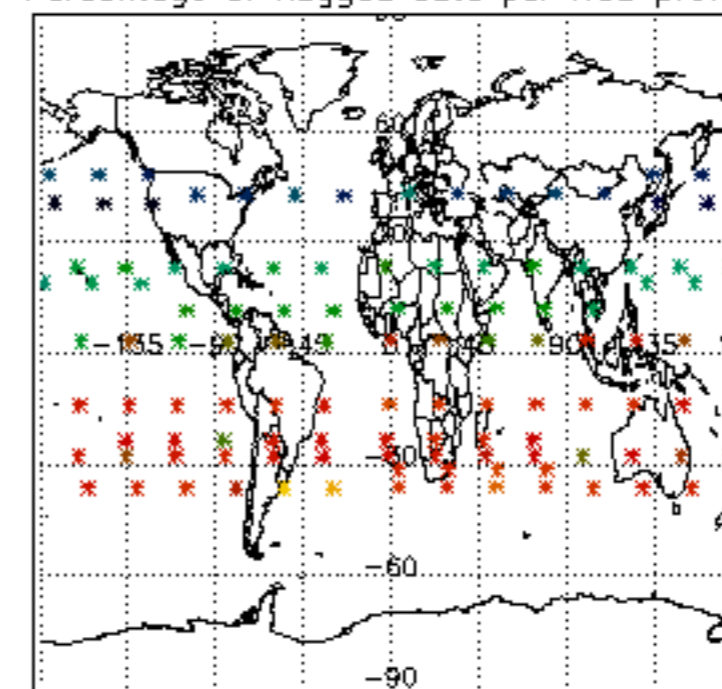
Percentage of flagged data per H2O profile

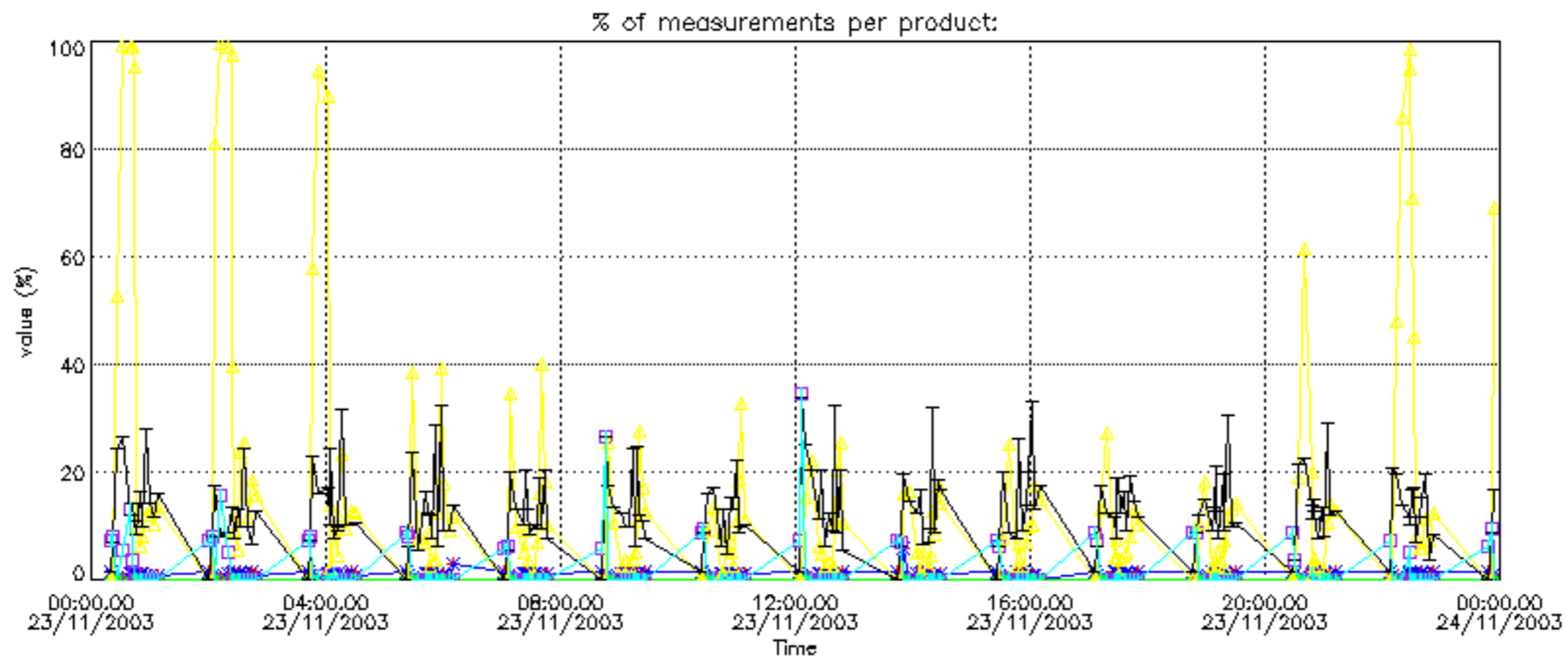


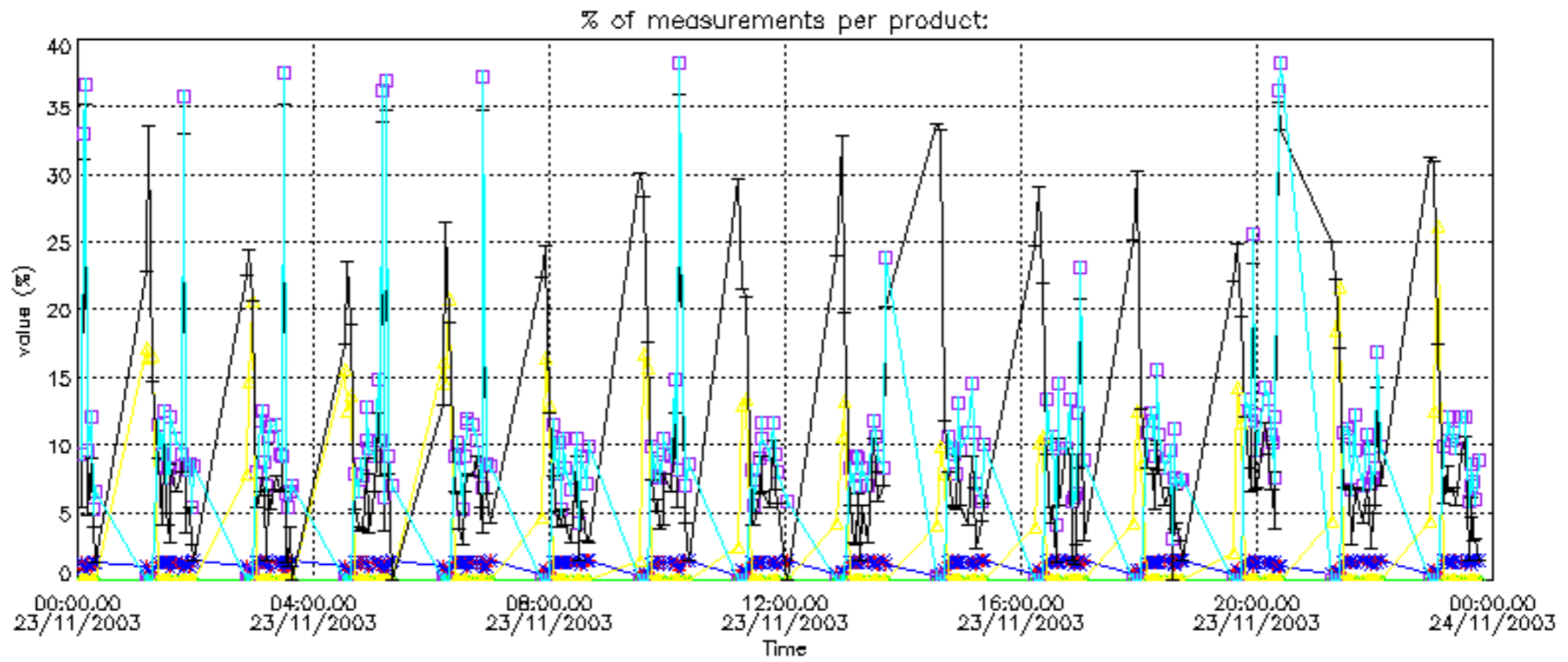
Percentage of flagged data per NO2 profile



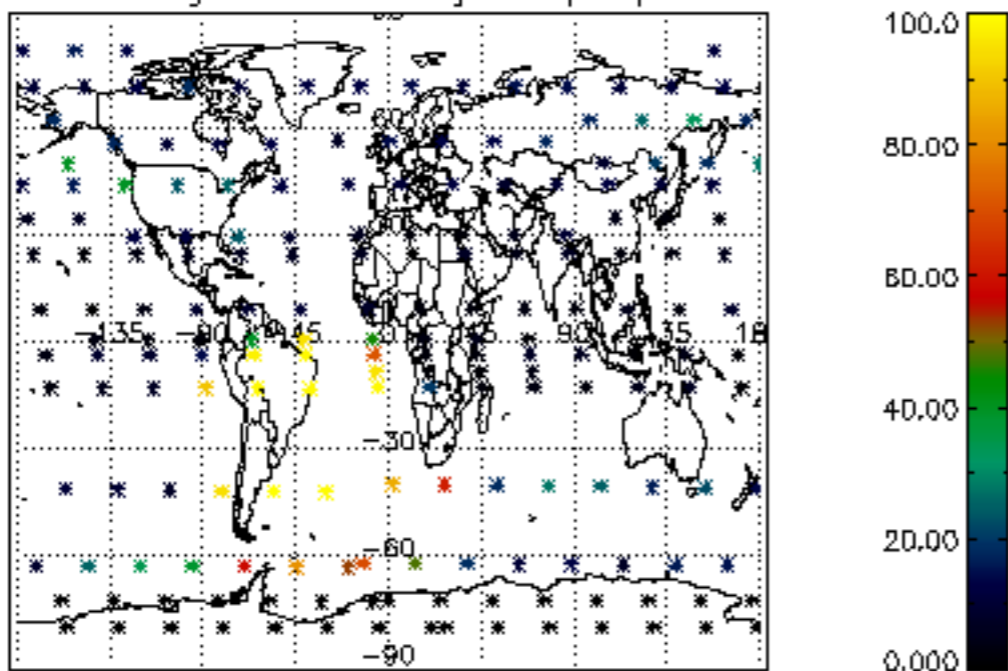
Percentage of flagged data per NO3 profile



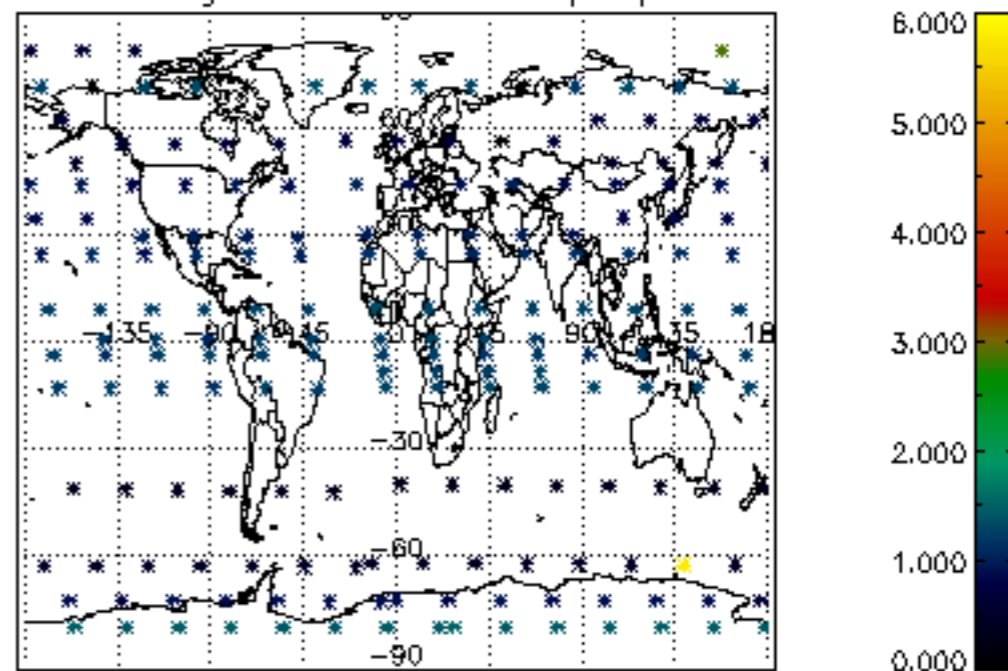




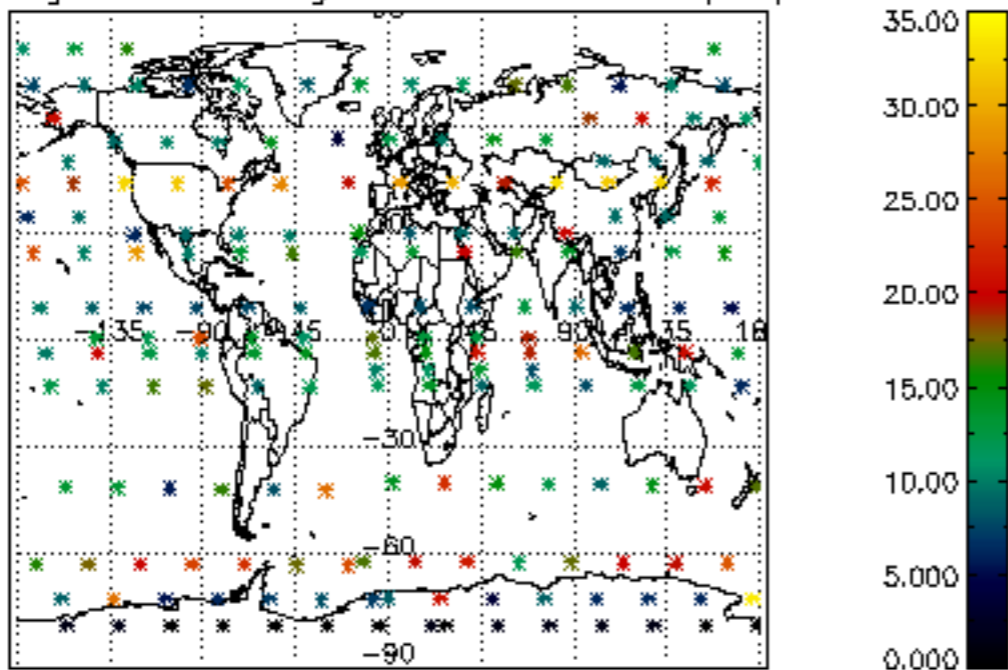
Percentage of cosmic ray hits per profile



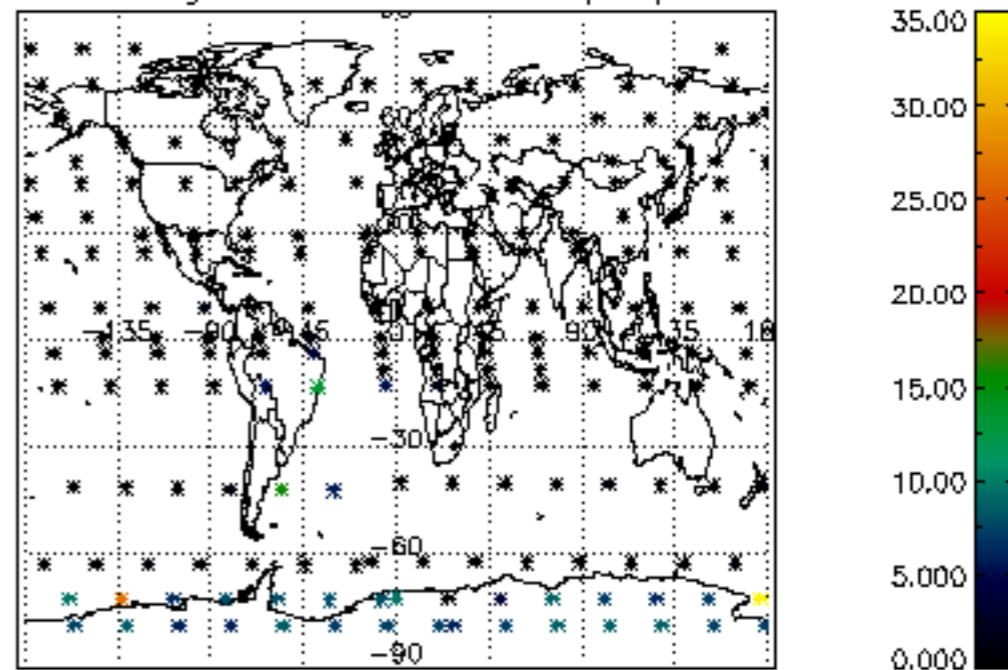
Percentage of datation errors per profile



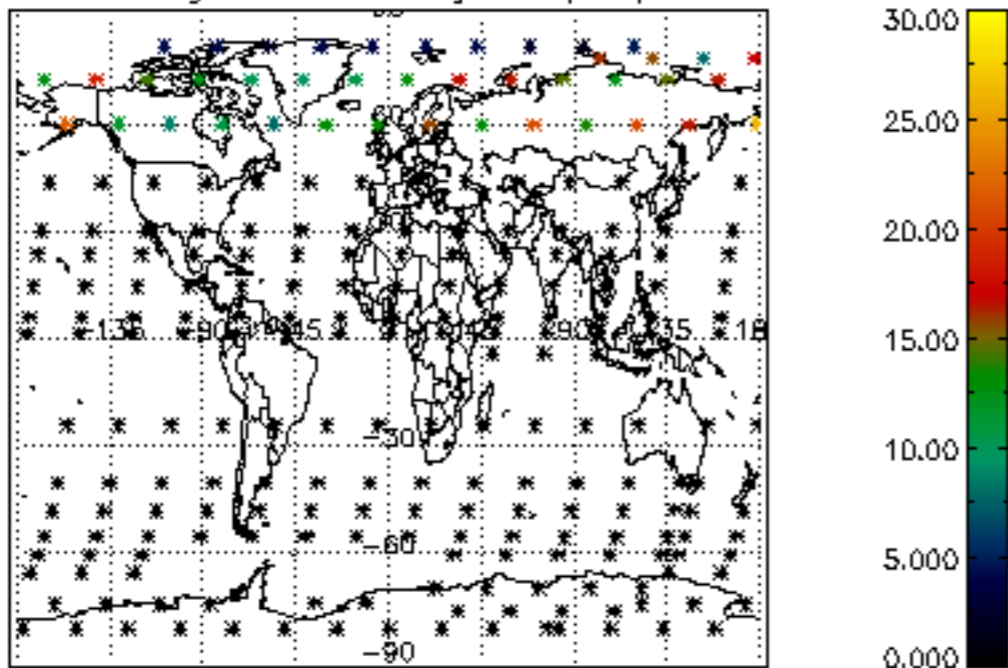
Percentage of star falling outside central band per profile



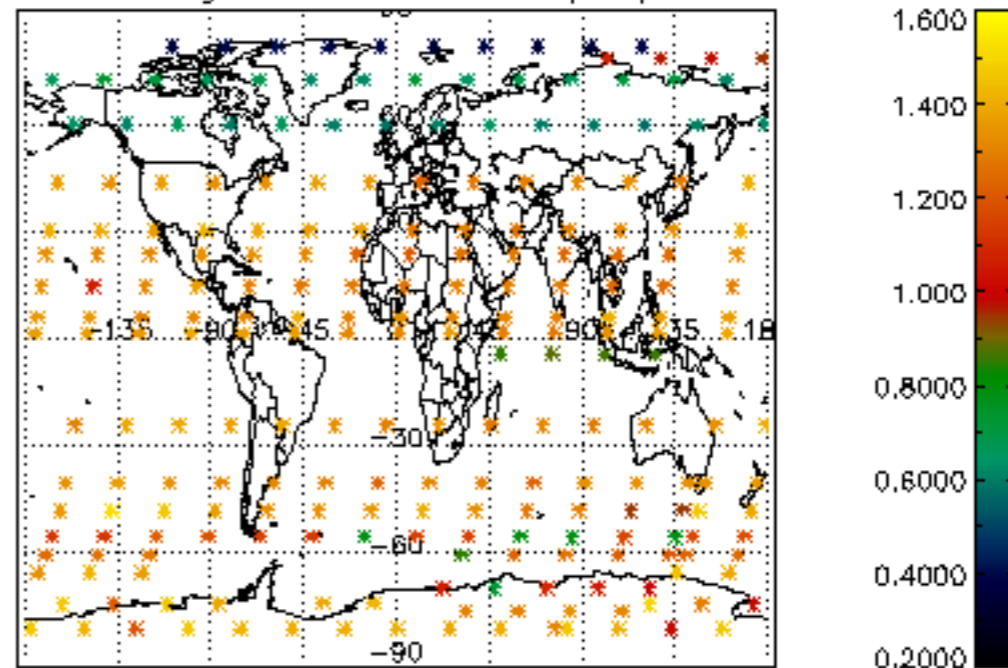
Percentage of saturation errors per profile



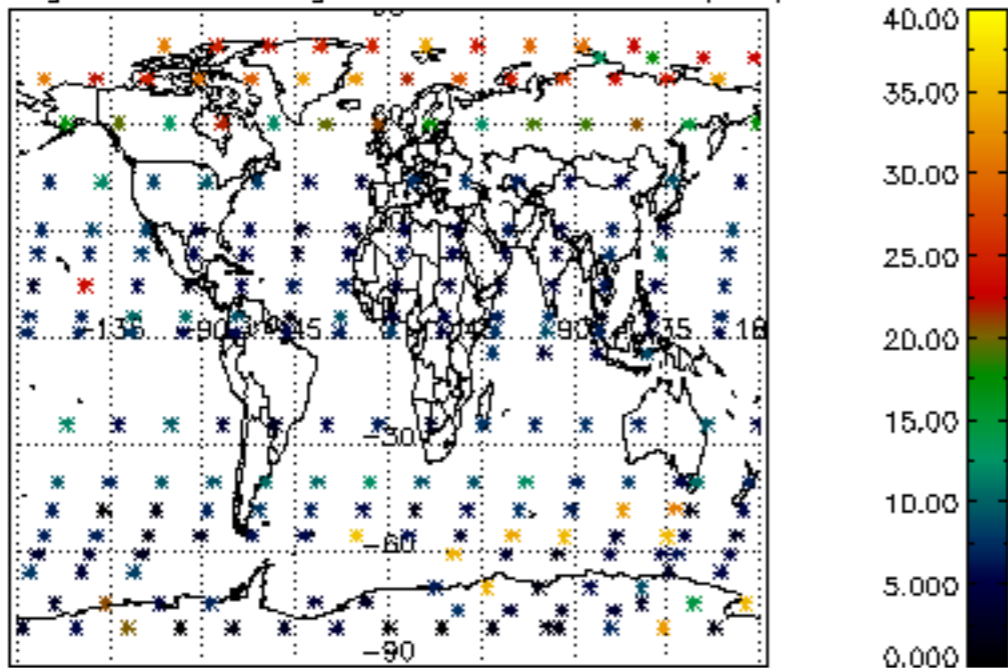
Percentage of cosmic ray hits per profile



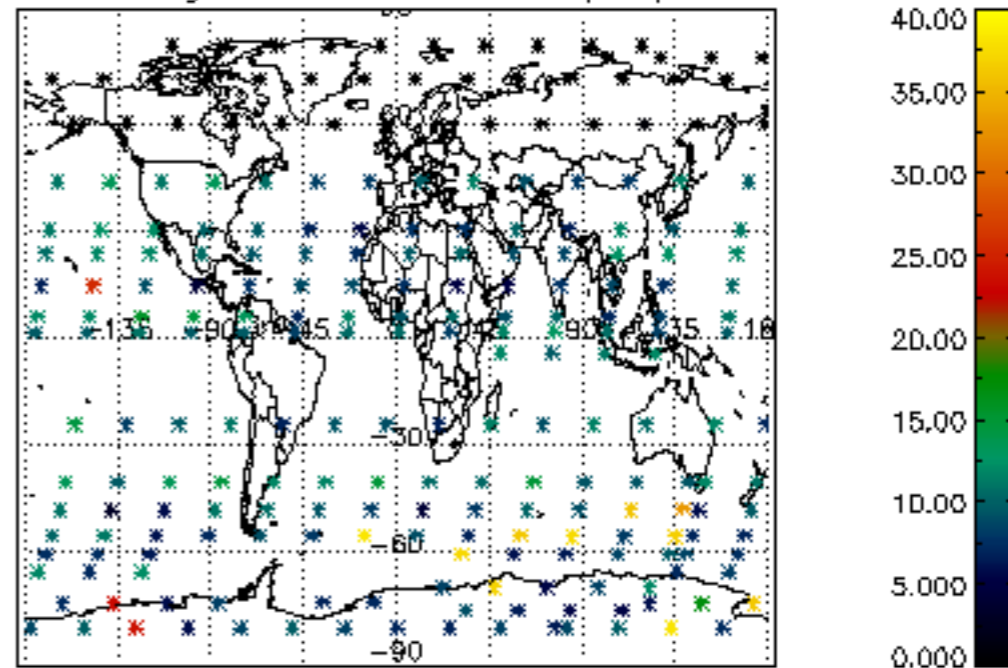
Percentage of datation errors per profile

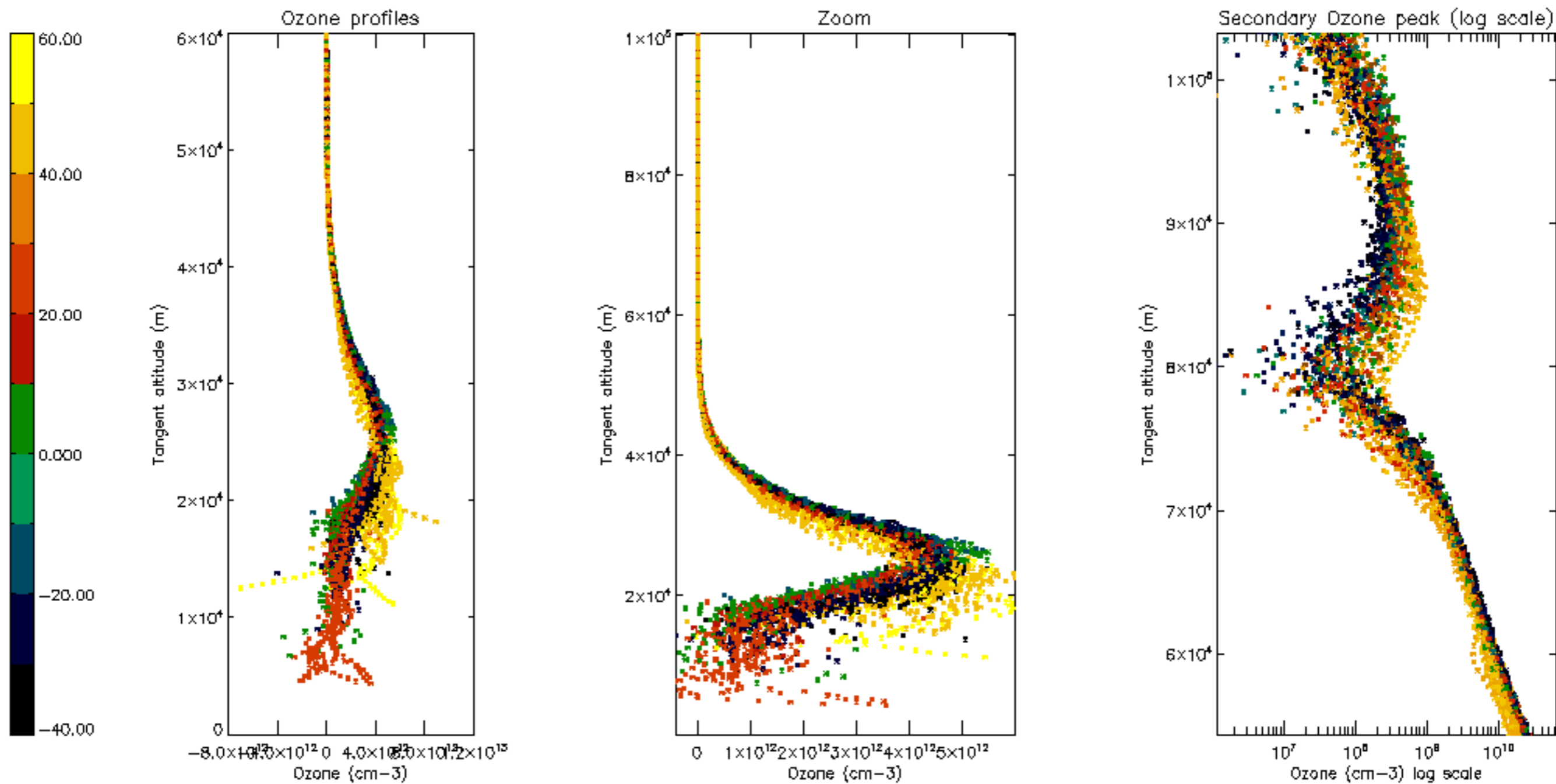


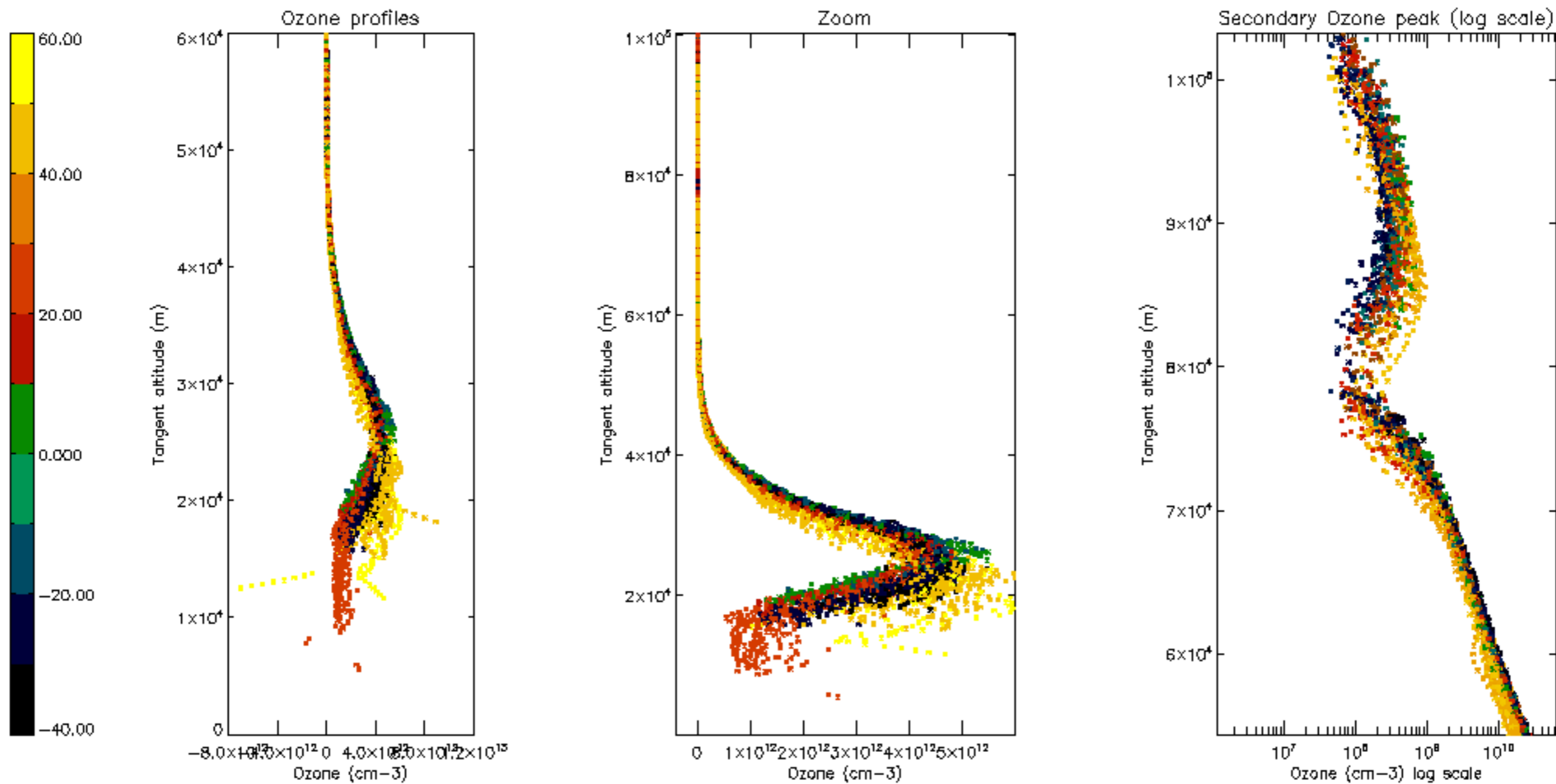
Percentage of star falling outside central band per profile

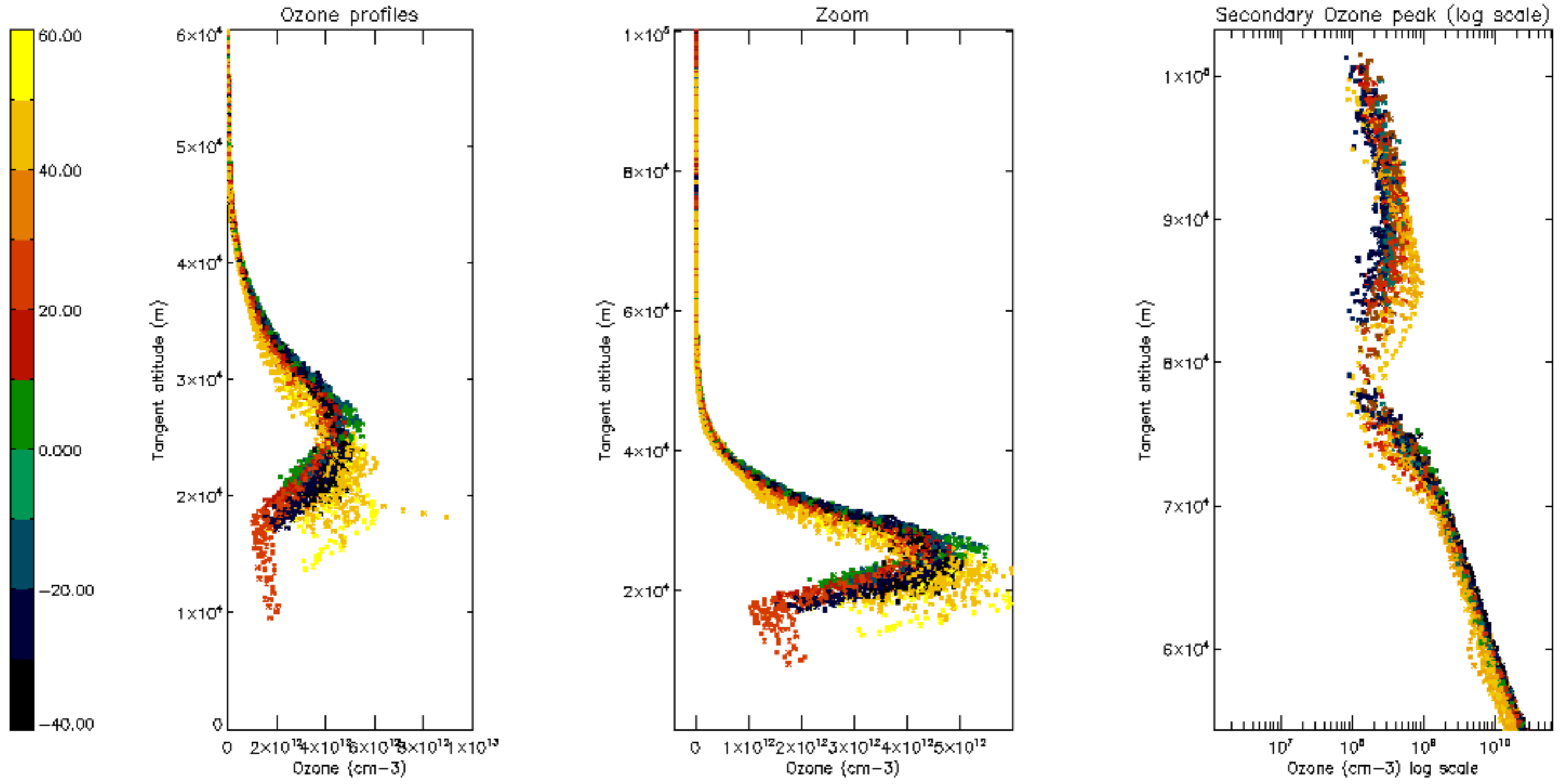


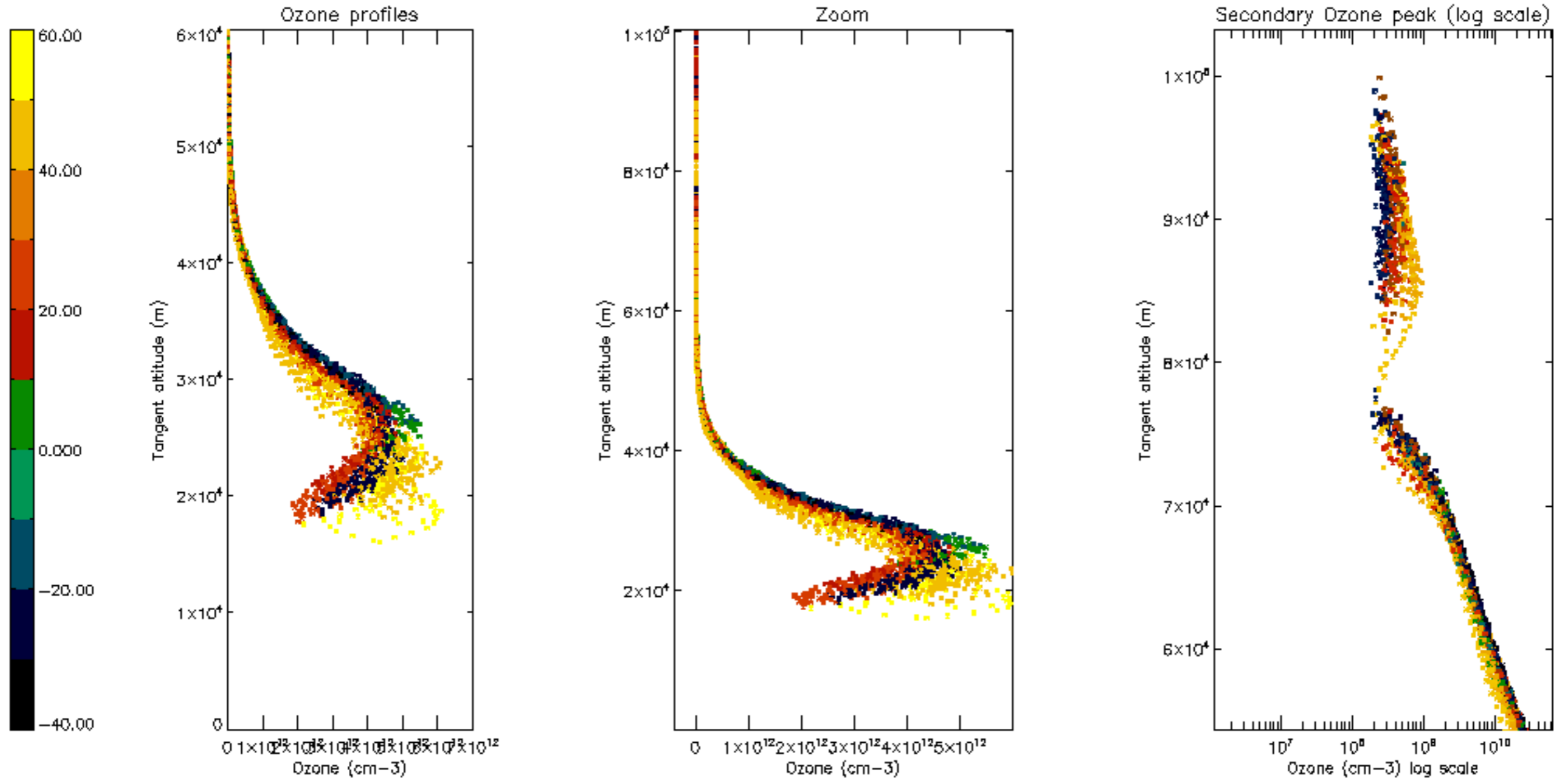
Percentage of saturation errors per profile

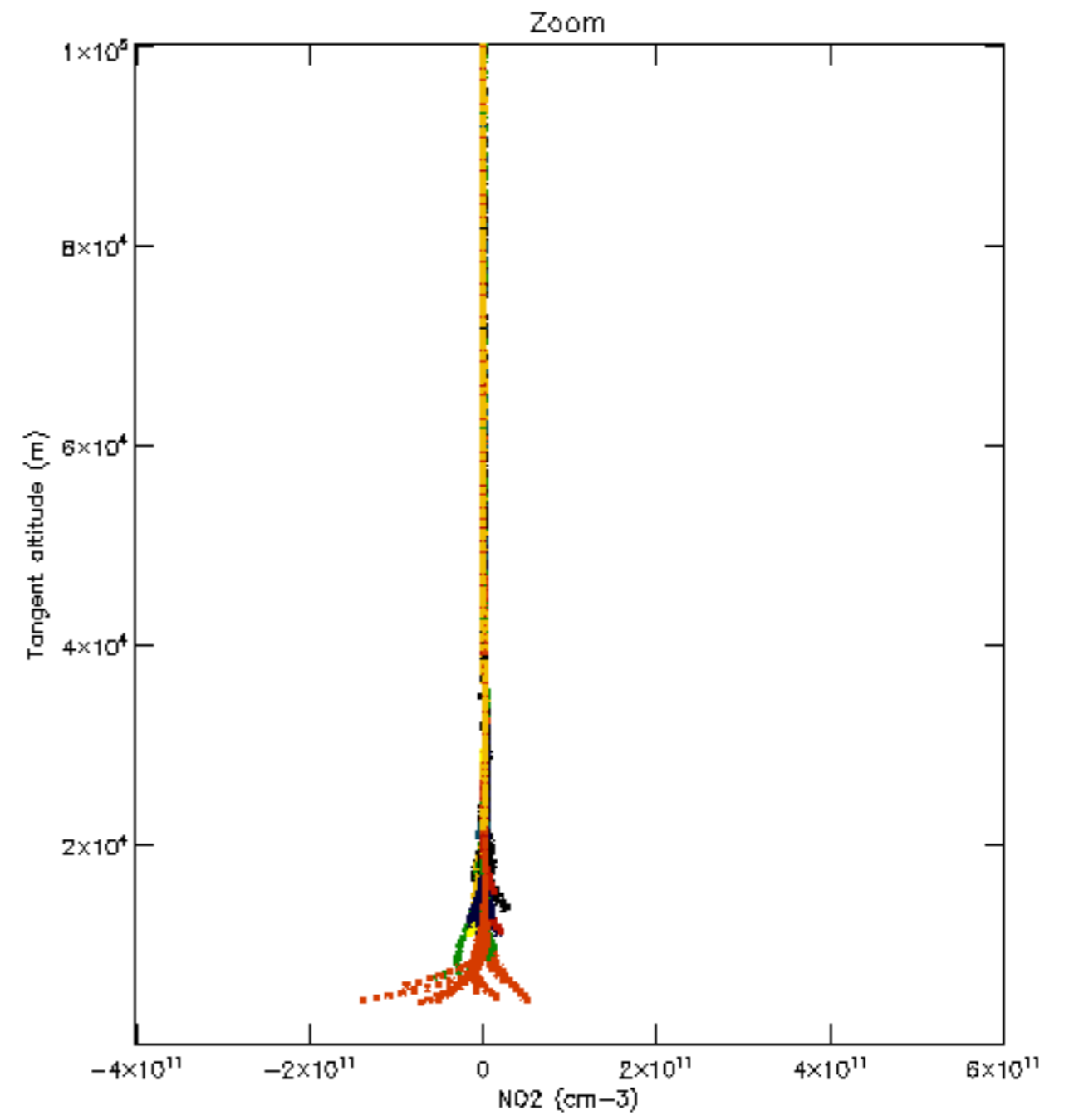
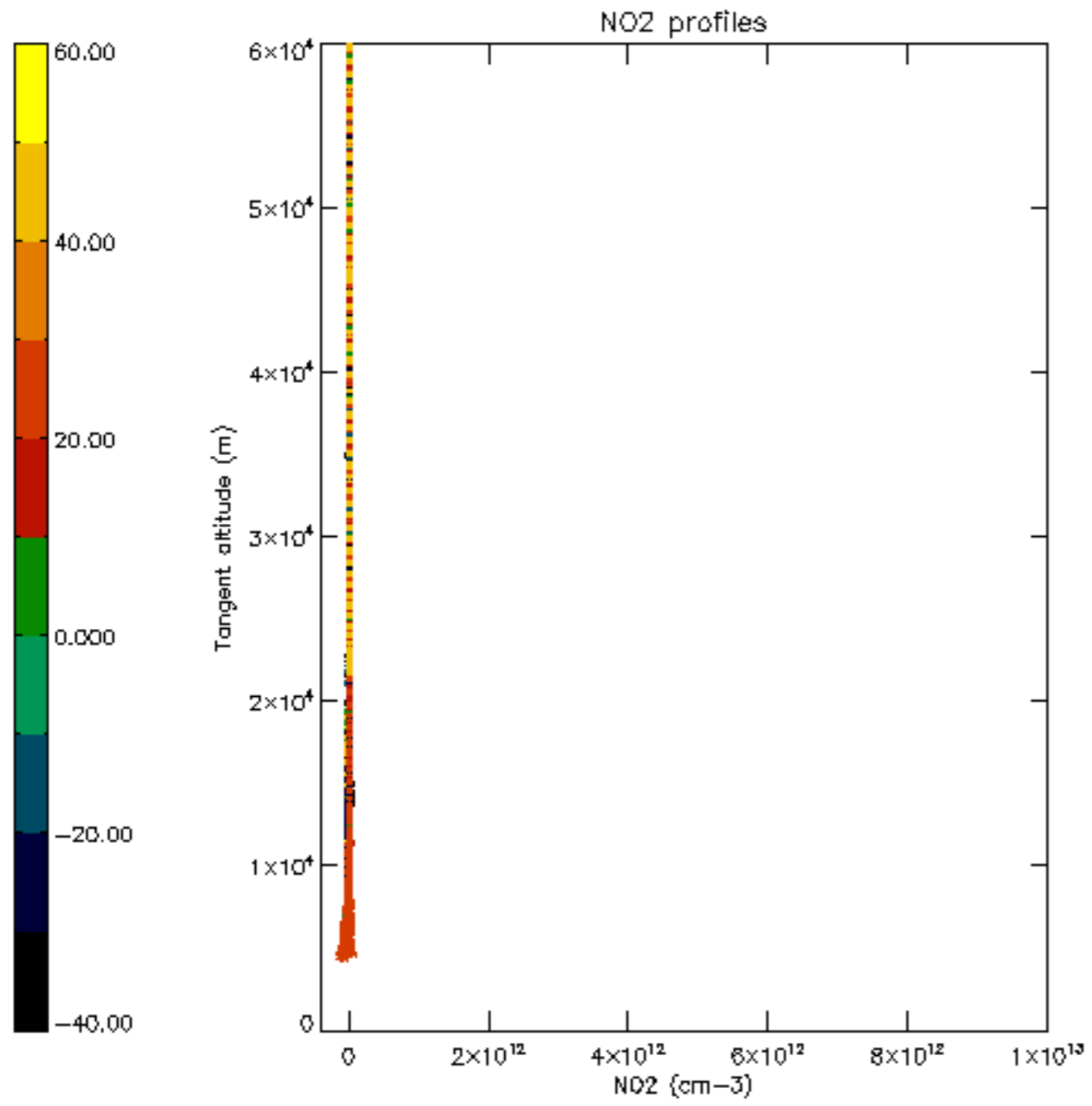


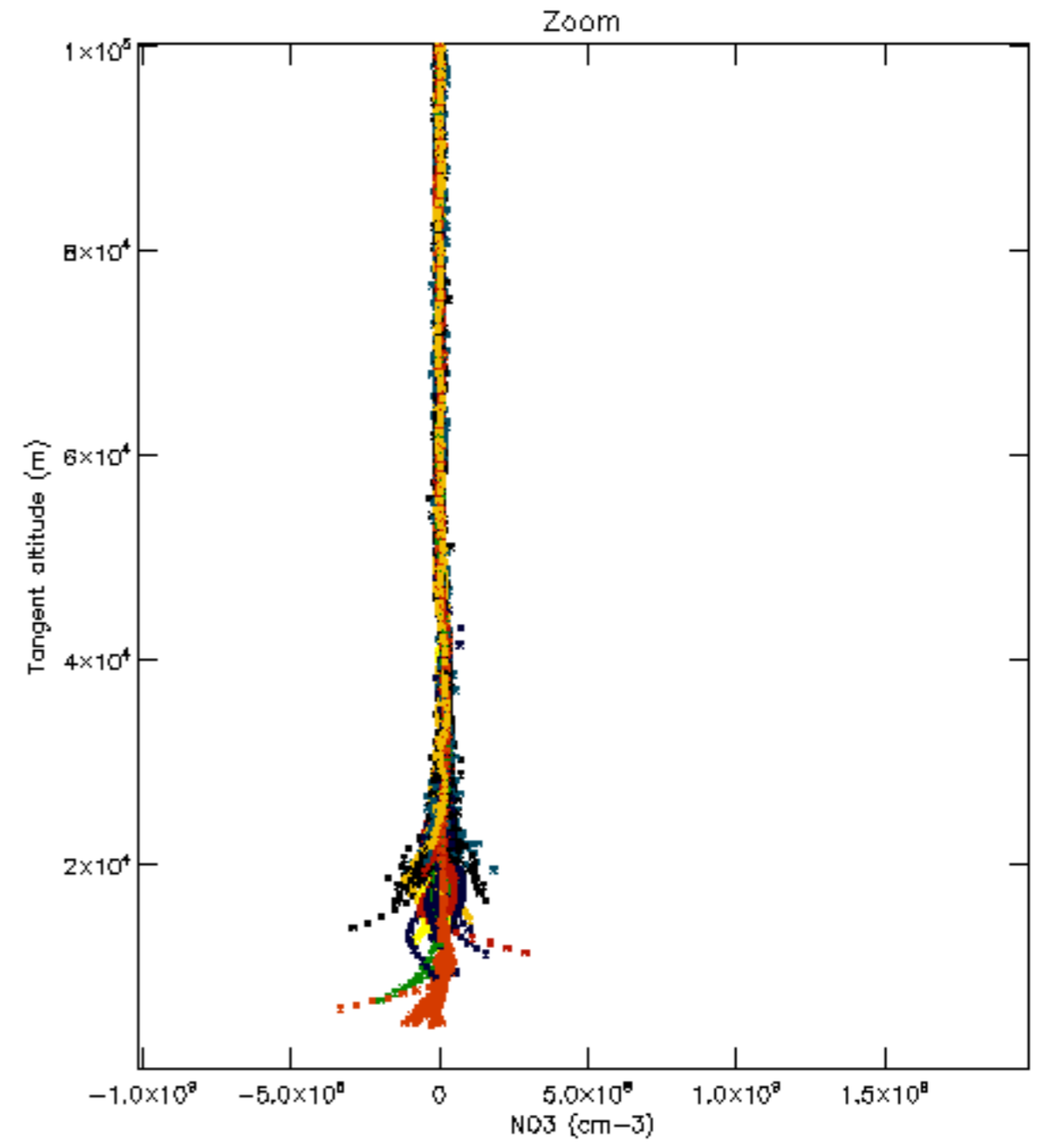
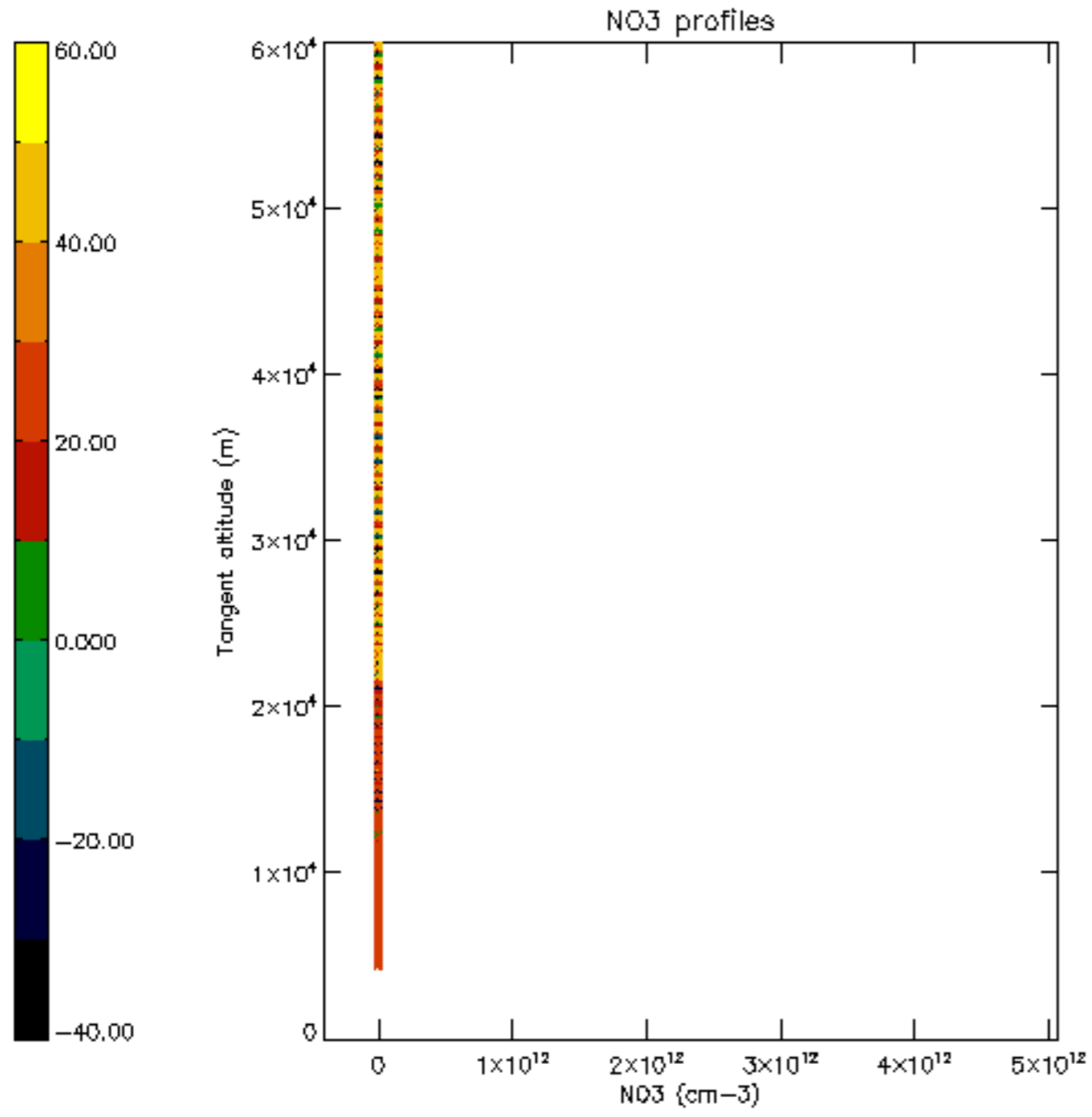


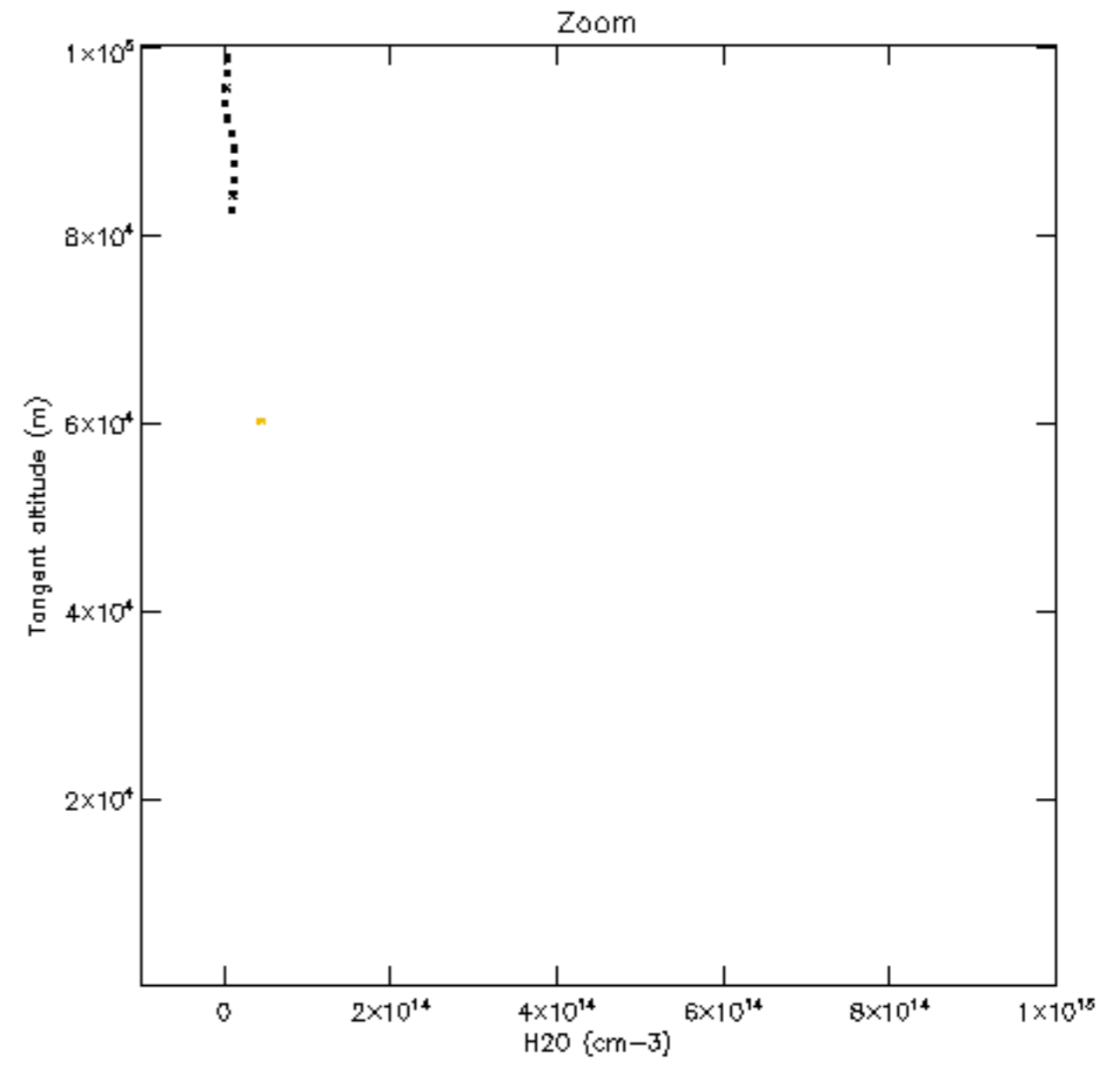
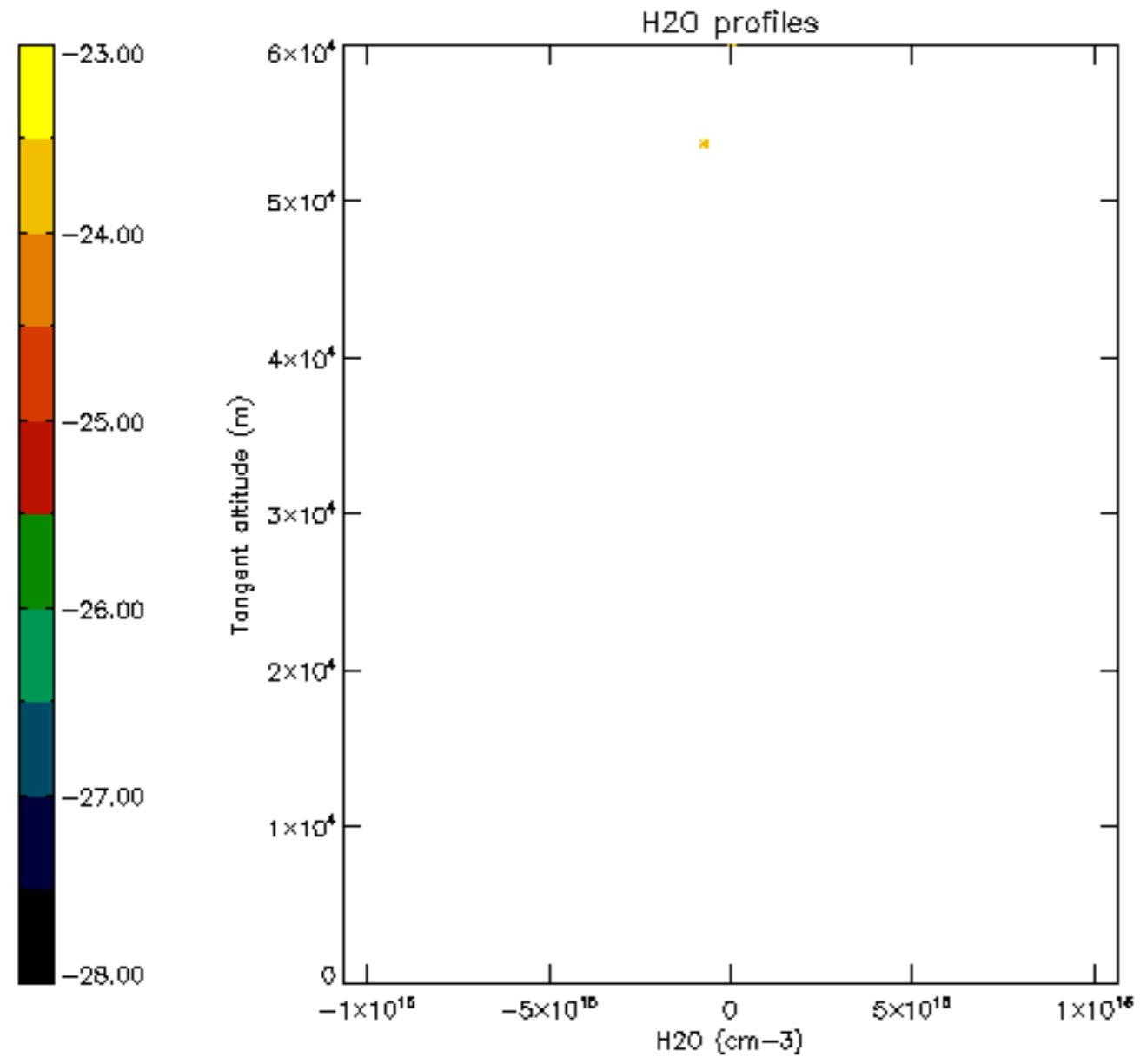


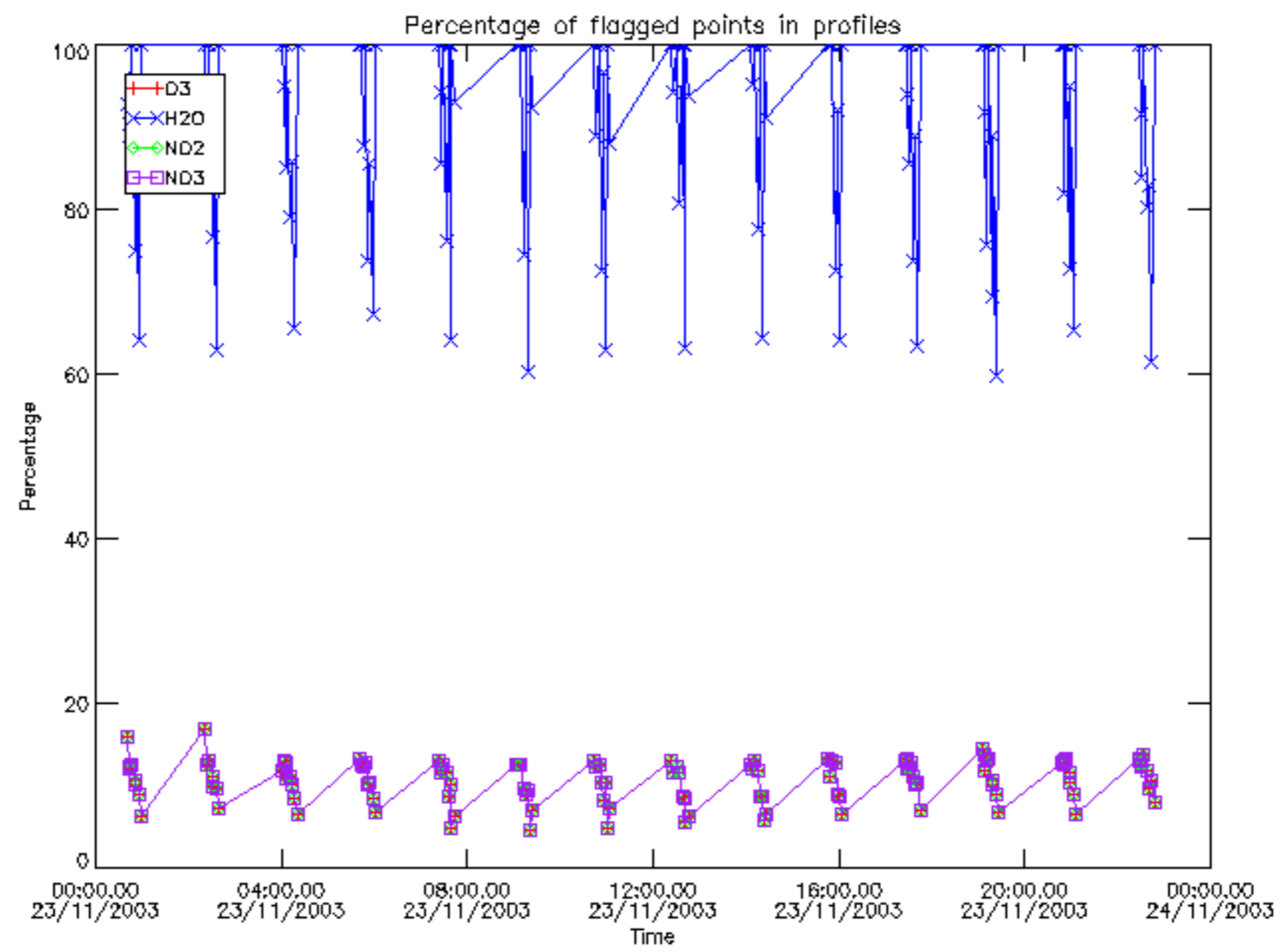




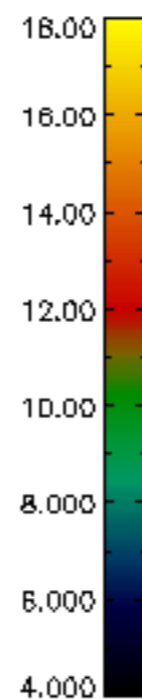
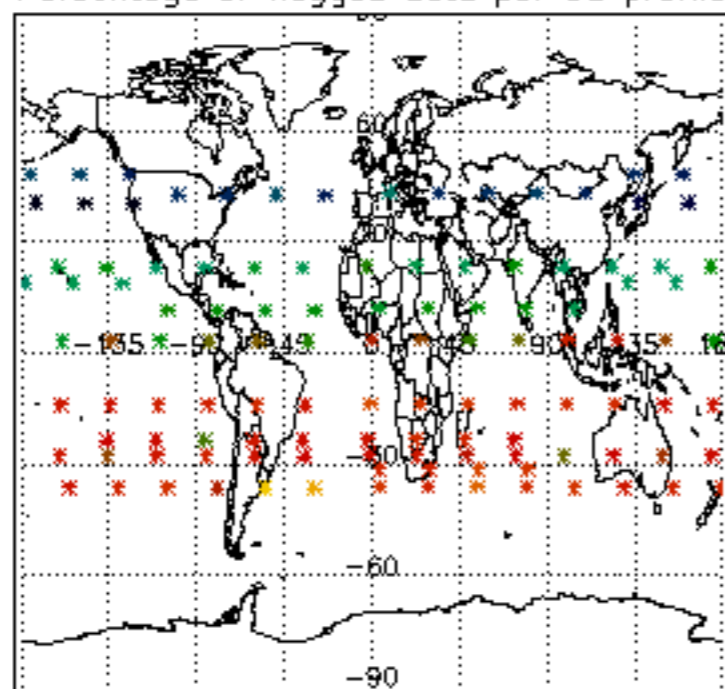




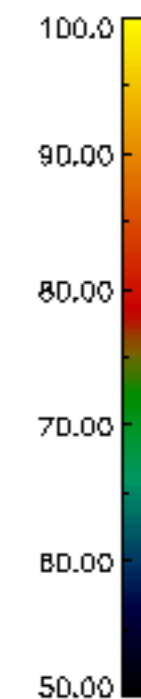
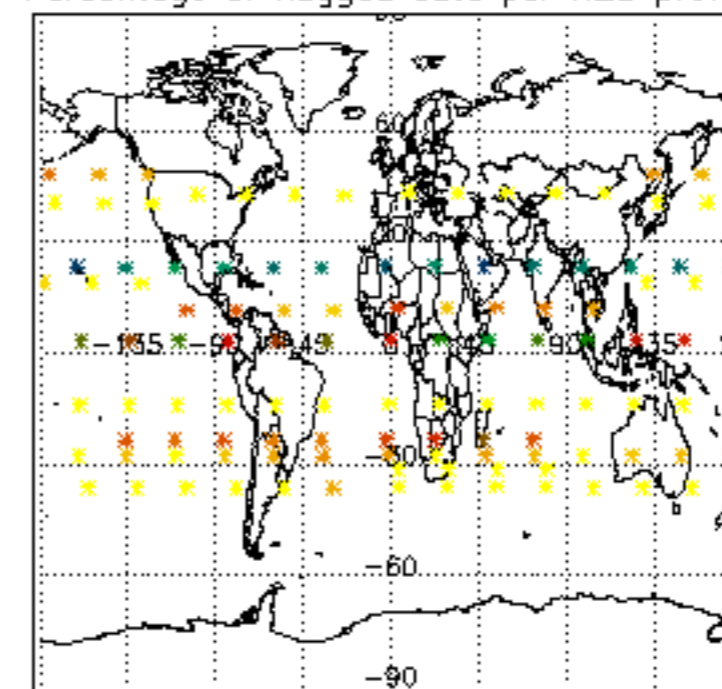




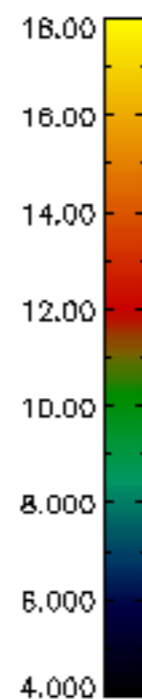
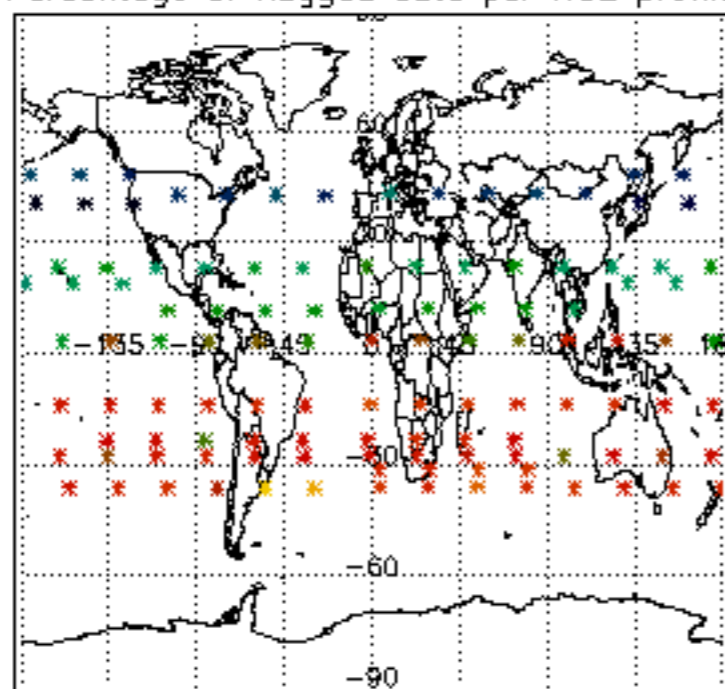
Percentage of flagged data per D3 profile



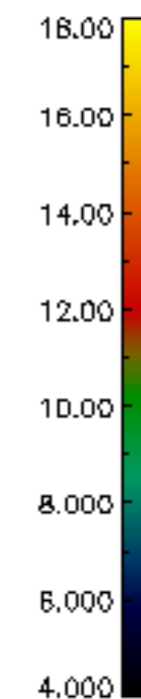
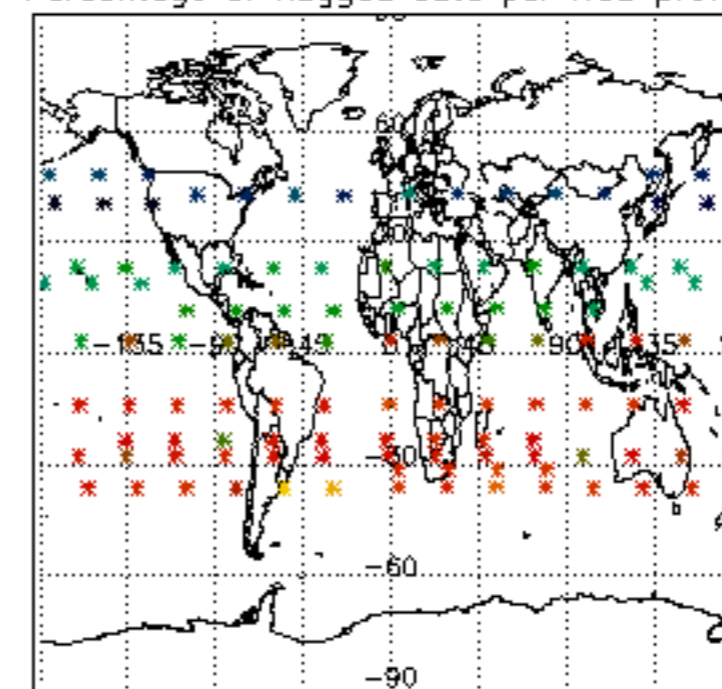
Percentage of flagged data per H2O profile

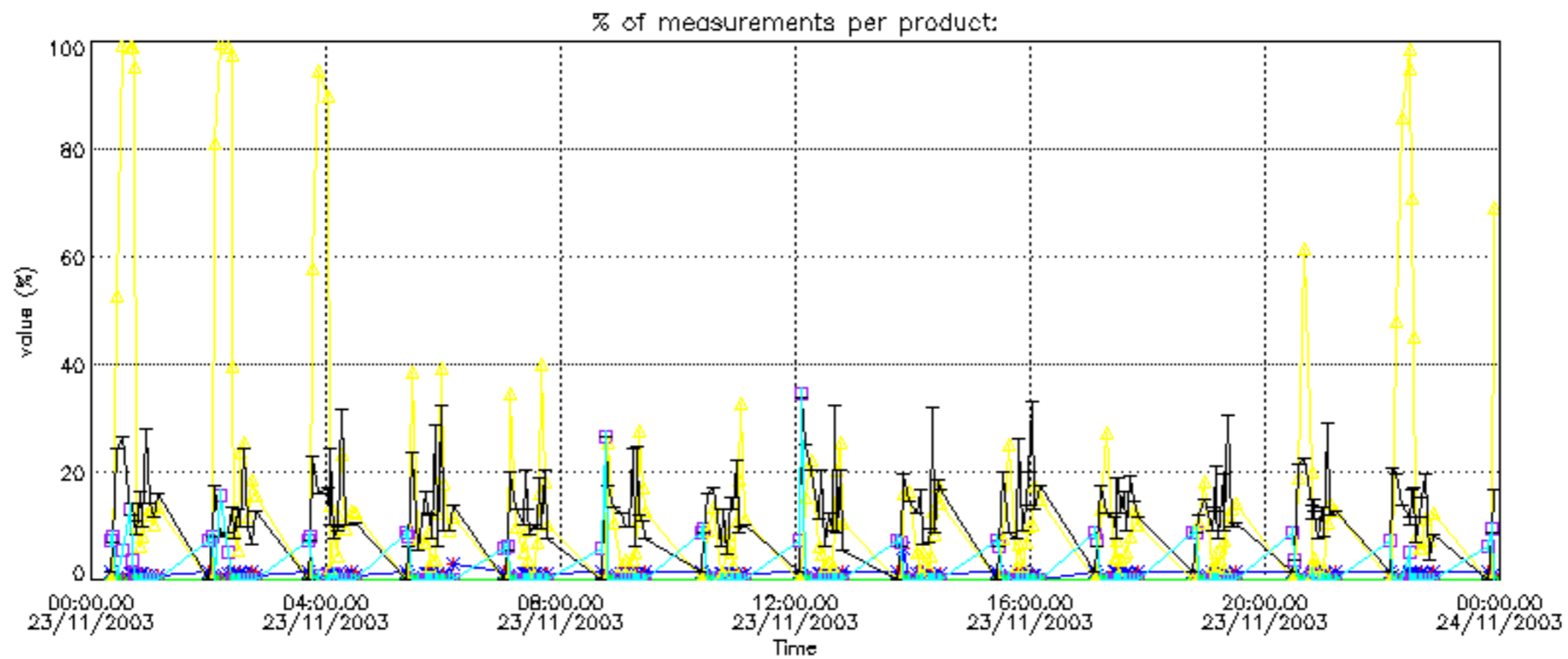


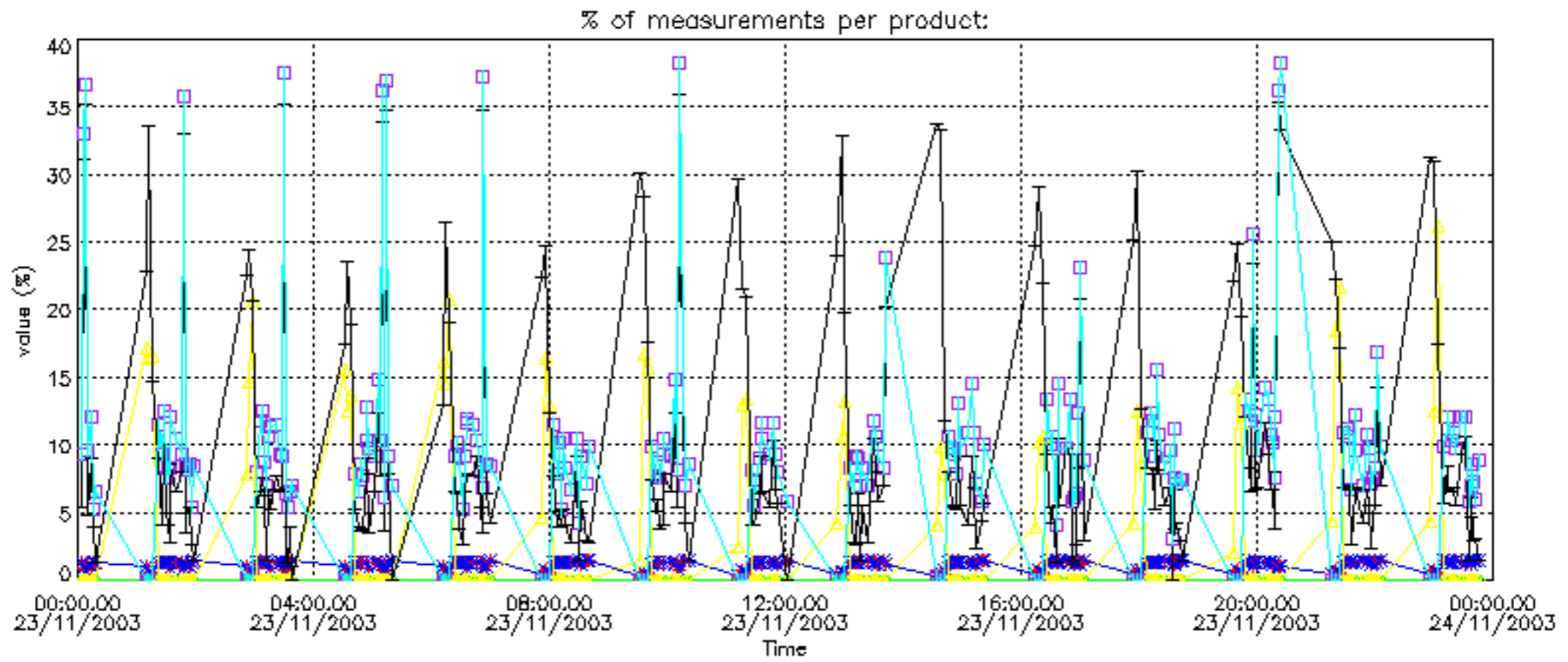
Percentage of flagged data per NO2 profile



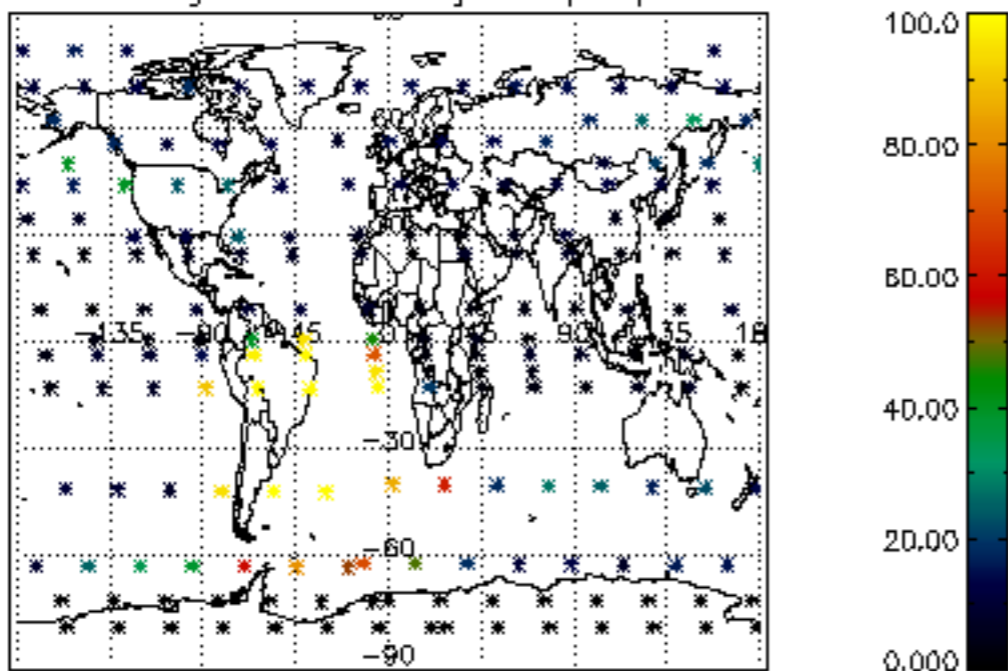
Percentage of flagged data per NO3 profile



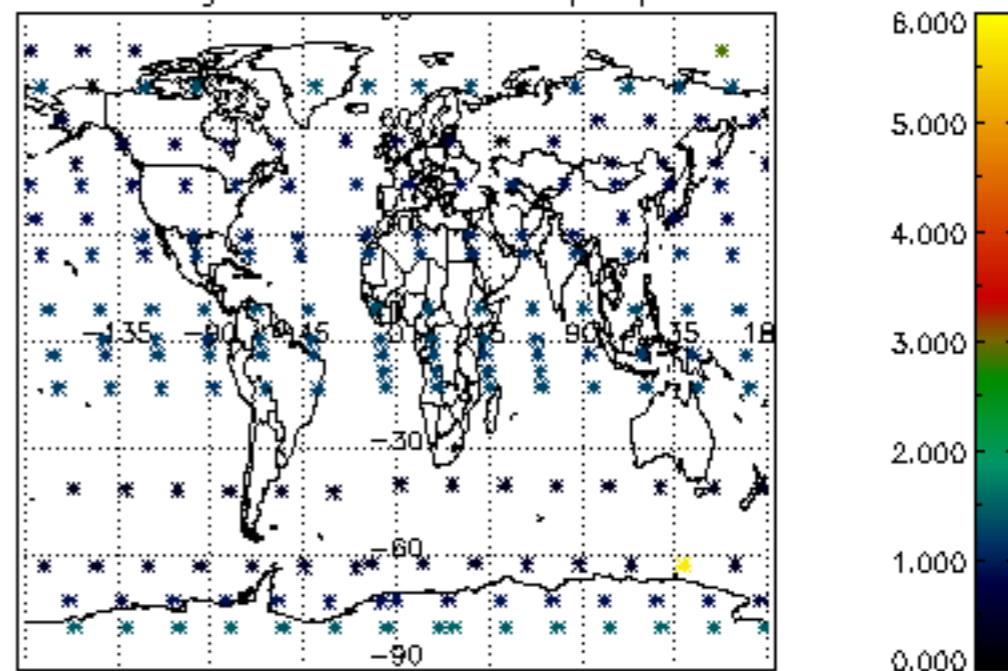




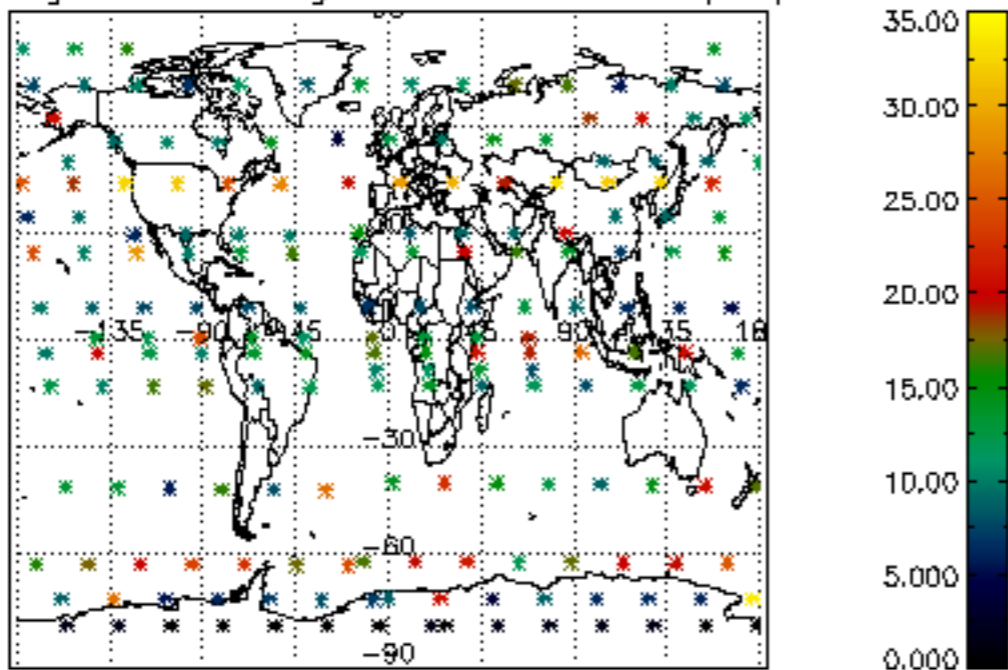
Percentage of cosmic ray hits per profile



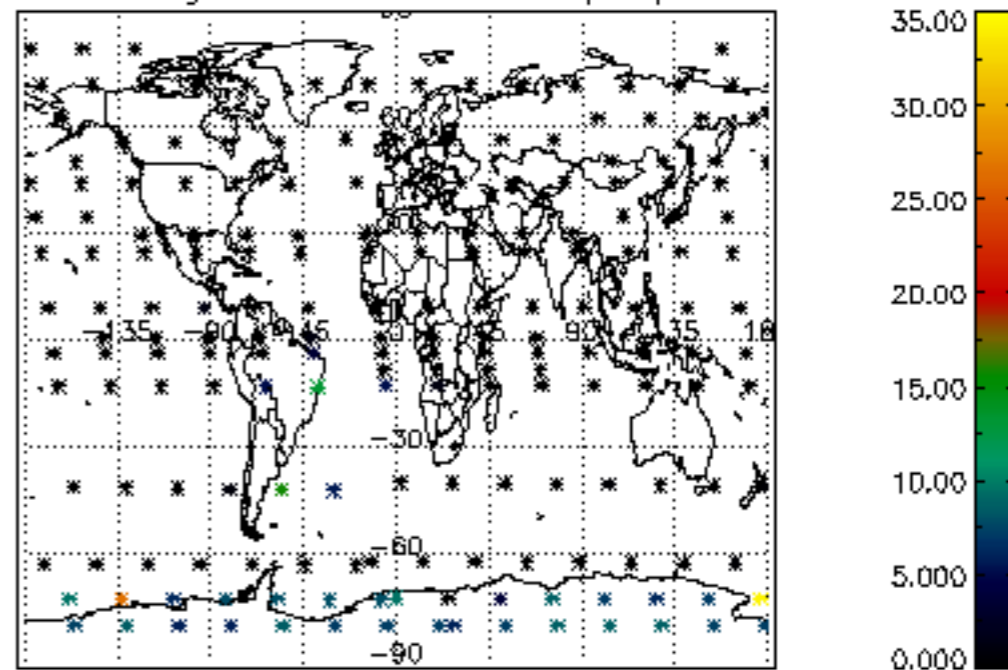
Percentage of datation errors per profile



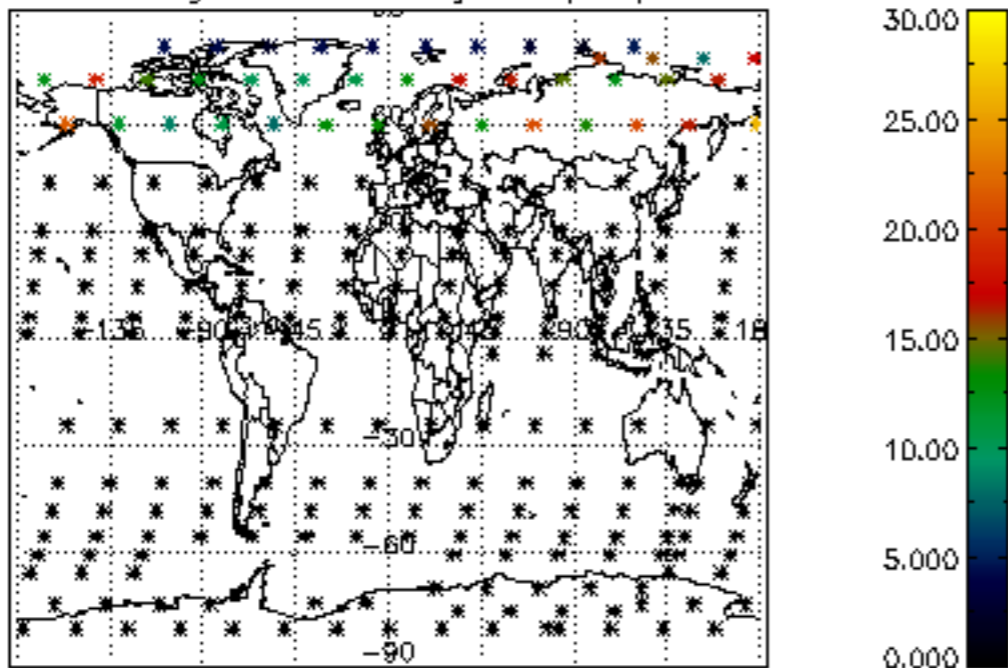
Percentage of star falling outside central band per profile



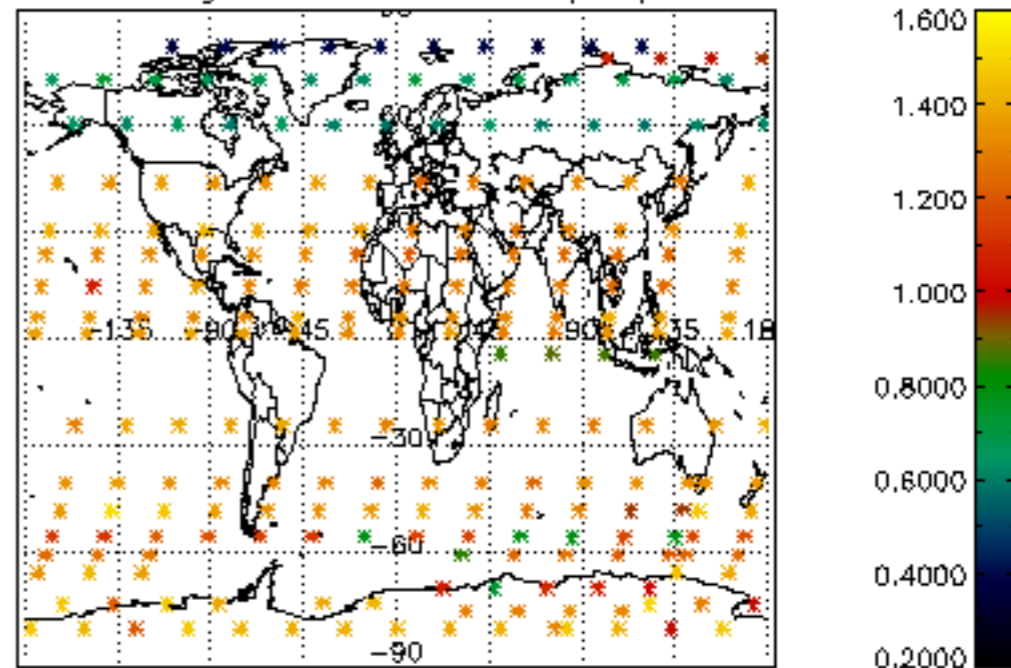
Percentage of saturation errors per profile



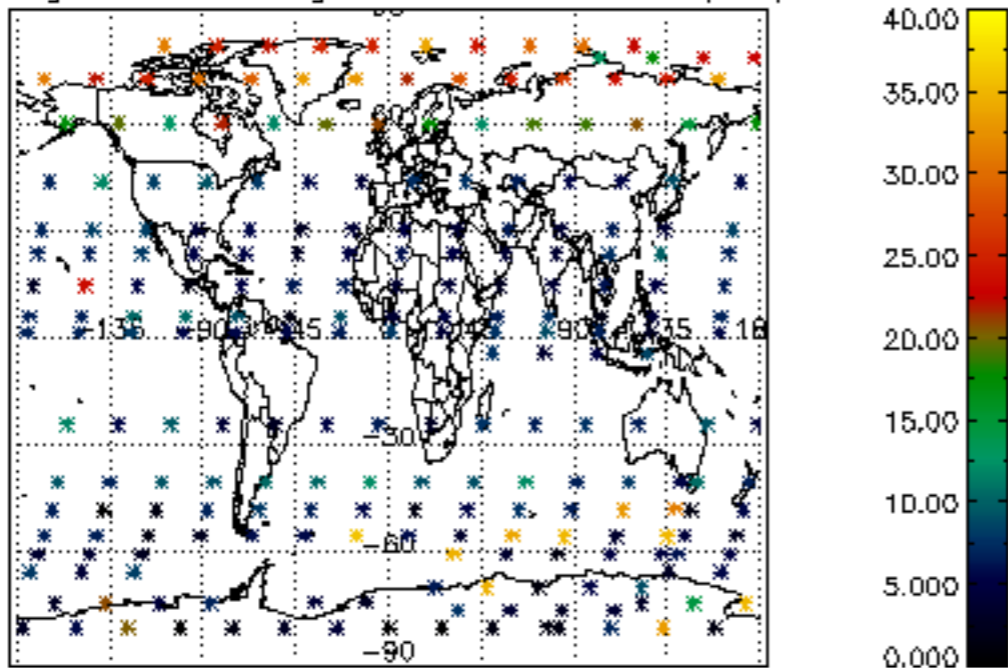
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

