

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](#)

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	18APR2013 08:25:52
Data source version	GOMOS/6.01
Start time of products	02-01-2005 (02JAN2005 00:00:00)
Stop time of products	03-01-2005 (03JAN2005 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	460
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

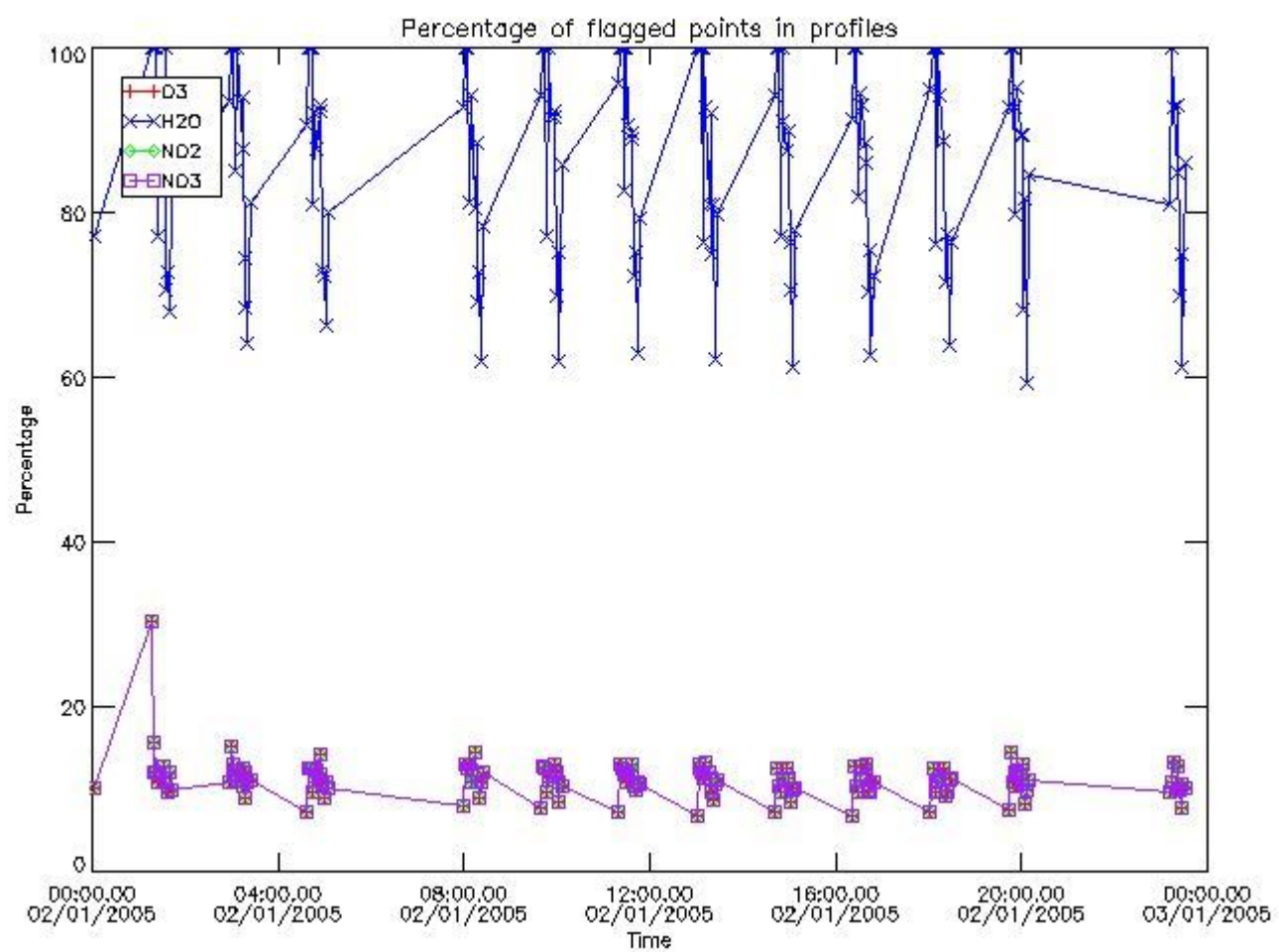
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20050102_000238_000000512033_00274_14857_7940.N1	02-JAN-2005 00:02:38	Dark	50.500	117	Pi Pup	2.7060	3800.0	101	14857	No
2	GOM_NL__2PRFIN20050102_000527_000000502033_00274_14857_7941.N1	02-JAN-2005 00:05:27	Straylight	50.000	23	21Eps CMa	1.5020	26000.	100	14857	No
3	GOM_NL__2PRFIN20050102_000659_000000472033_00274_14857_7942.N1	02-JAN-2005 00:06:59	Straylight	47.000	179	24Omi2CMa	3.0320	24000.	94	14857	No
4	GOM_NL__2PRFIN20050102_000925_000000542033_00274_14857_7943.N1	02-JAN-2005 00:09:25	Straylight	53.500	1	9Alp CMa	-1.4400	11000.	107	14857	No
5	GOM_NL__2PRFIN20050102_001234_000000482033_00274_14857_7944.N1	02-JAN-2005 00:12:34	Straylight	48.000	7	19Bet Ori	0.10000	14000.	96	14857	No
6	GOM_NL__2PRFIN20050102_001423_000000452033_00274_14857_7945.N1	02-JAN-2005 00:14:23	Straylight	45.000	30	46Eps Ori	1.6940	30000.	90	14857	No
7	GOM_NL__2PRFIN20050102_001746_000000812033_00274_14857_7946.N1	02-JAN-2005 00:17:46	Twilight_and_stray	81.000	8	10Alp CMi	0.40000	6500.0	162	14857	No
8	GOM_NL__2PRFIN20050102_002005_000000522033_00274_14857_7947.N1	02-JAN-2005 00:20:05	Bright	51.500	44	24Gam Gem	1.9280	11000.	103	14857	No
9	GOM_NL__2PRFIN20050102_002143_000000482033_00274_14857_7948.N1	02-JAN-2005 00:21:43	Bright	48.000	151	13Mu Gem	2.8900	3000.0	96	14857	No
10	GOM_NL__2PRFIN20050102_002414_000000402033_00274_14857_7949.N1	02-JAN-2005 00:24:14	Bright	39.500	114	31ot Aur	2.6930	4600.0	79	14857	No
11	GOM_NL__2PRFIN20050102_002544_000000402033_00274_14857_7950.N1	02-JAN-2005 00:25:44	Bright	40.000	107	37The Aur	2.6490	11000.	80	14857	No
12	GOM_NL__2PRFIN20050102_002753_000000422033_00274_14857_7951.N1	02-JAN-2005 00:27:53	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	14857	No
13	GOM_NL__2PRFIN20050102_002948_000000372033_00274_14857_7952.N1	02-JAN-2005 00:29:48	Bright	36.500	35	33Alp Per	1.7950	6250.0	73	14857	No
14	GOM_NL__2PRFIN20050102_003105_000000372033_00274_14857_7953.N1	02-JAN-2005 00:31:05	Bright	36.500	160	23Gam Per	2.9300	4700.0	73	14857	No
15	GOM_NL__2PRFIN20050102_004004_000000352033_00274_14857_7954.N1	02-JAN-2005 00:40:04	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	14857	No
16	GOM_NL__2PRFIN20050102_004247_000000452033_00274_14857_7955.N1	02-JAN-2005 00:42:47	Bright	44.500	36	50Alp UMa	1.8000	6300.0	89	14857	No
17	GOM_NL__2PRFIN20050102_004431_000000362033_00274_14857_7956.N1	02-JAN-2005 00:44:31	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	14857	No
18	GOM_NL__2PRFIN20050102_004650_000000562033_00274_14857_7957.N1	02-JAN-2005 00:46:50	Bright	55.500	87	64Gam UMa	2.4330	11000.	111	14857	No
19	GOM_NL__2PRFIN20050102_004907_000000462033_00274_14857_7958.N1	02-JAN-2005 00:49:07	Bright	46.000	55	79Zet UMa	2.0600	10200.	92	14857	No
20	GOM_NL__2PRFIN20050102_005126_000000482033_00274_14857_7959.N1	02-JAN-2005 00:51:26	Bright	47.500	39	85Eta UMa	1.8540	24000.	95	14857	No
21	GOM_NL__2PRFIN20050102_005520_000000632033_00274_14857_7960.N1	02-JAN-2005 00:55:20	Bright	63.000	152	12Alp2CVn	2.8900	11000.	126	14857	No
22	GOM_NL__2PRFIN20050102_005920_000000622033_00274_14857_7961.N1	02-JAN-2005 00:59:20	Bright	62.000	83		2.3780	11000.	124	14857	No
23	GOM_NL__2PRFIN20050102_010338_000000802033_00274_14857_7962.N1	02-JAN-2005 01:03:38	Bright	80.000	111	8Eta Boo	2.6800	6000.0	160	14857	No
24	GOM_NL__2PRFIN20050102_010655_000000372033_00274_14857_7963.N1	02-JAN-2005 01:06:55	Bright	36.500	120	1Del Oph	2.7340	3200.0	73	14857	No
25	GOM_NL__2PRFIN20050102_010945_000000562033_00274_14857_7964.N1	02-JAN-2005 01:09:45	Bright	56.000	104	27Bet Lib	2.6140	13100.	112	14857	No
26	GOM_NL__2PRFIN20050102_011223_000000502033_00274_14857_7965.N1	02-JAN-2005 01:12:23	Twilight_and_stray	50.000	122	9Alp2Lib	2.7470	9700.0	100	14857	No
27	GOM_NL__2PRFIN20050102_011607_000000722033_00274_14857_7966.N1	02-JAN-2005 01:16:07	Dark	71.500	15	67Alp Vir	0.97600	28000.	143	14857	No
28	GOM_NL__2PRFIN20050102_011904_000000422033_00274_14857_7967.N1	02-JAN-2005 01:19:04	Dark	42.000	109	Bet Lup	2.6770	26000.	84	14857	No
29	GOM_NL__2PRFIN20050102_012034_000000432033_00274_14857_7968.N1	02-JAN-2005 01:20:34	Dark	42.500	78	Alp Lup	2.3040	28000.	85	14857	No
30	GOM_NL__2PRFIN20050102_012205_000000422033_00274_14857_7969.N1	02-JAN-2005 01:22:05	Dark	42.000	95	Zet Cen	2.5450	26000.	84	14857	No
31	GOM_NL__2PRFIN20050102_012342_000000472033_00275_14858_7935.N1	02-JAN-2005 01:23:42	Dark	46.500	4	Alp1Cen	-0.010000	5800.0	93	14858	No
32	GOM_NL__2PRFIN20050102_012538_000000472033_00275_14858_7936.N1	02-JAN-2005 01:25:38	Dark	47.000	64	Gam Cen	2.2000	10600.	94	14858	No
33	GOM_NL__2PRFIN20050102_012736_000000442033_00275_14858_7937.N1	02-JAN-2005 01:27:36	Dark	43.500	12	Alp1Cru	0.77500	30000.	87	14858	No
34	GOM_NL__2PRFIN20050102_013251_000000402033_00275_14858_7938.N1	02-JAN-2005 01:32:51	Dark	40.000	29	Bet Car	1.6720	10200.	80	14858	No
35	GOM_NL__2PRFIN20050102_013416_000000452033_00275_14858_7939.N1	02-JAN-2005 01:34:16	Dark	45.000	71	1ot Car	2.2460	7700.0	90	14858	No
36	GOM_NL__2PRFIN20050102_013551_000000472033_00275_14858_7940.N1	02-JAN-2005 01:35:51	Dark	46.500	41	Eps Car	1.8600	4100.0	93	14858	No
37	GOM_NL__2PRFIN20050102_013756_000000542033_00275_14858_7941.N1	02-JAN-2005 01:37:56	Dark	53.500	65	Lam Vel	2.2040	4400.0	107	14858	No
38	GOM_NL__2PRFIN20050102_014000_000000432033_00275_14858_7942.N1	02-JAN-2005 01:40:00	Dark	42.500	2	Alp Car	-0.73600	7000.0	85	14858	No
39	GOM_NL__2PRFIN20050102_014314_000000512033_00275_14858_7943.N1	02-JAN-2005 01:43:14	Dark	51.000	117	Pi Pup	2.7060	3800.0	102	14858	No
40	GOM_NL__2PRFIN20050102_014601_000000522033_00275_14858_7944.N1	02-JAN-2005 01:46:01	Straylight	52.000	23	21Eps CMa	1.5020	26000.	104	14858	No
41	GOM_NL__2PRFIN20050102_014735_000000482033_00275_14858_7945.N1	02-JAN-2005 01:47:35	Straylight	48.000	179	24Omi2CMa	3.0320	24000.	96	14858	No
42	GOM_NL__2PRFIN20050102_015001_000000512033_00275_14858_7946.N1	02-JAN-2005 01:50:01	Straylight	51.000	1	9Alp CMa	-1.4400	11000.	102	14858	No

456	GOM_NL__2PRFIN20050102_235237_000000382033_00288_14871_8093.N1	02-JAN-2005 23:52:37	Bright	38.000	114	3lot Aur	2.6930	4600.0	76	14871	No
457	GOM_NL__2PRFIN20050102_235402_000000422033_00288_14871_8094.N1	02-JAN-2005 23:54:02	Bright	41.500	107	37The Aur	2.6490	11000.	83	14871	No
458	GOM_NL__2PRFIN20050102_235614_000000452033_00288_14871_8095.N1	02-JAN-2005 23:56:14	Bright	44.500	6	13Alp Aur	0.080000	3400.0	89	14871	No
459	GOM_NL__2PRFIN20050102_235814_000000392033_00288_14871_8096.N1	02-JAN-2005 23:58:14	Bright	39.000	35	33Alp Per	1.7950	6250.0	78	14871	No
460	GOM_NL__2PRFIN20050102_235932_000000372033_00288_14871_8097.N1	02-JAN-2005 23:59:32	Bright	37.000	160	23Gam Per	2.9300	4700.0	74	14871	No

3. Quality information per product

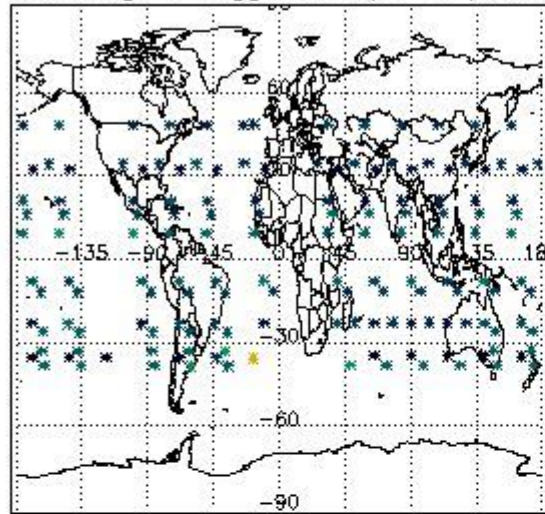
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

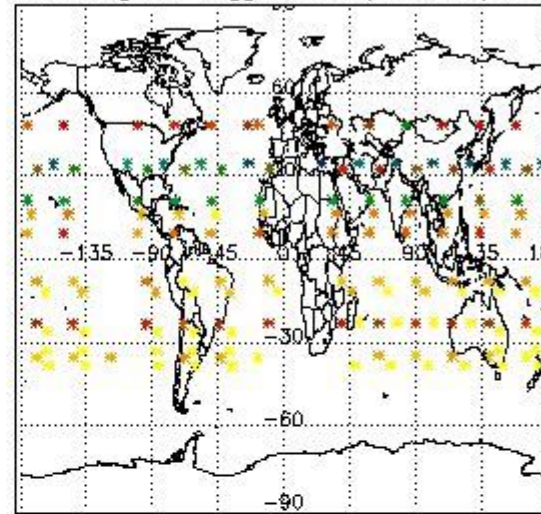


3.2 Plot quality information per product (world map)

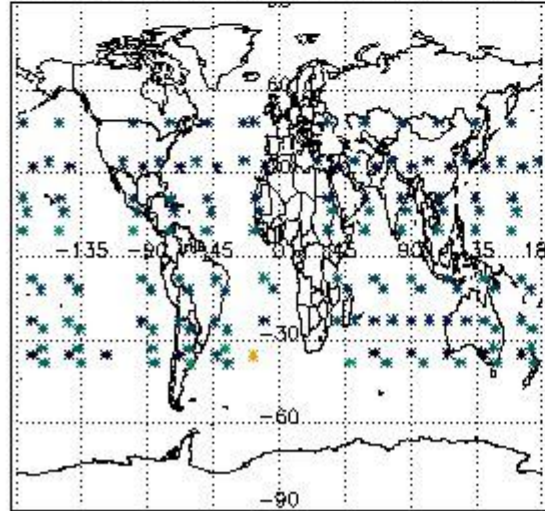
Percentage of flagged data per O3 profile



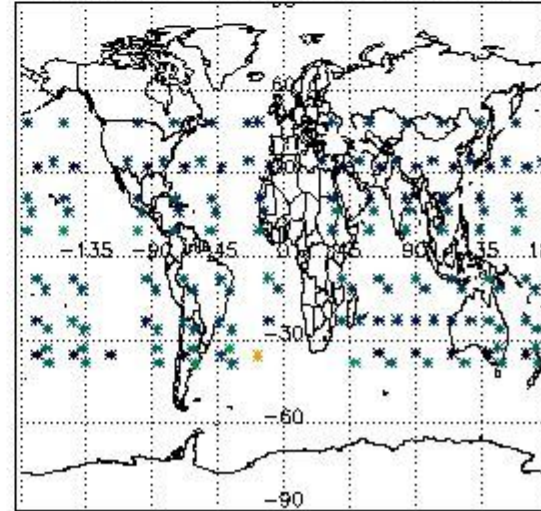
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

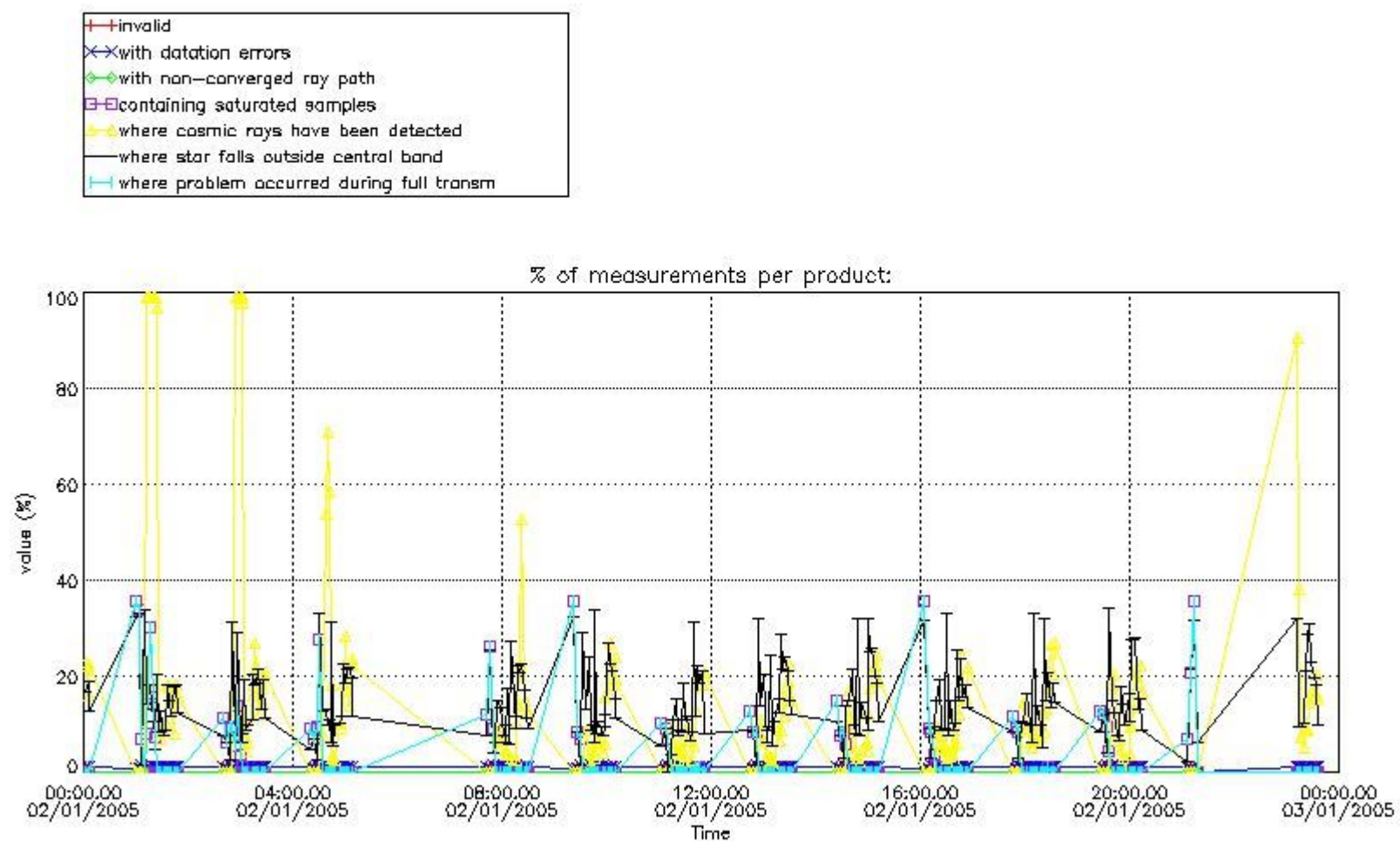


4. Level 1 quality information per product

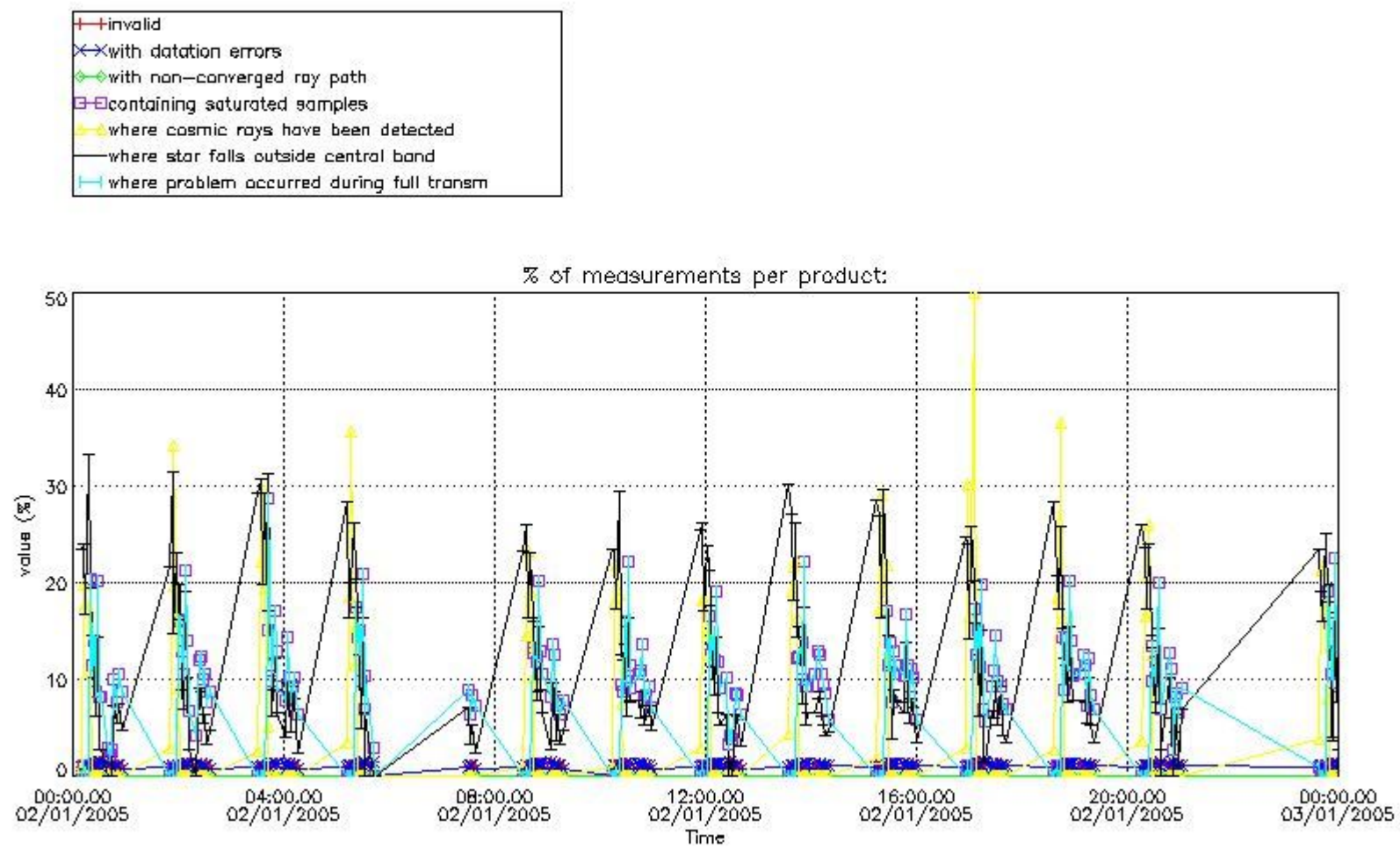
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

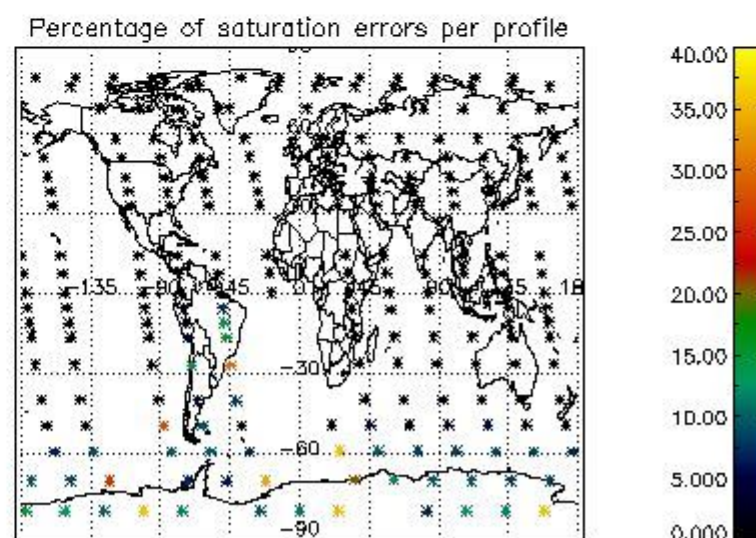
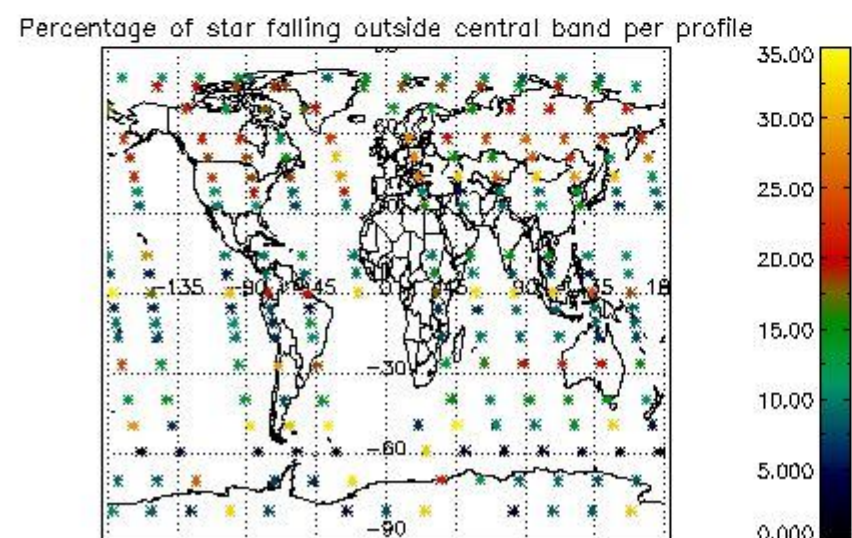
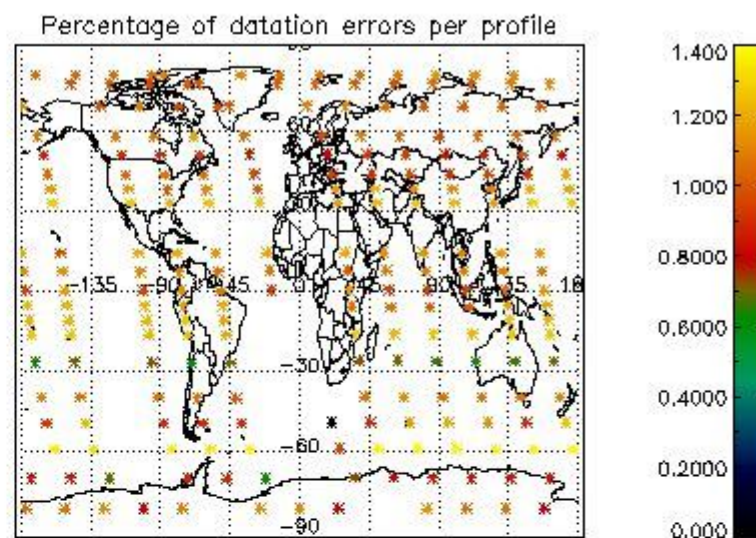
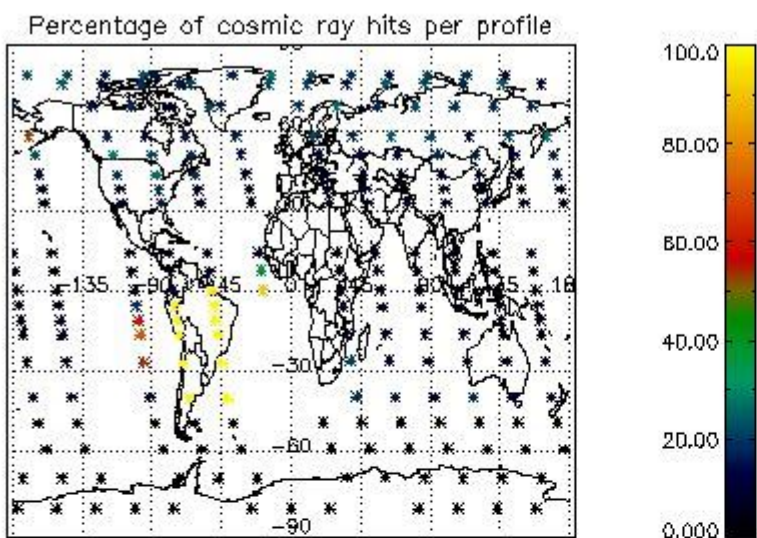


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

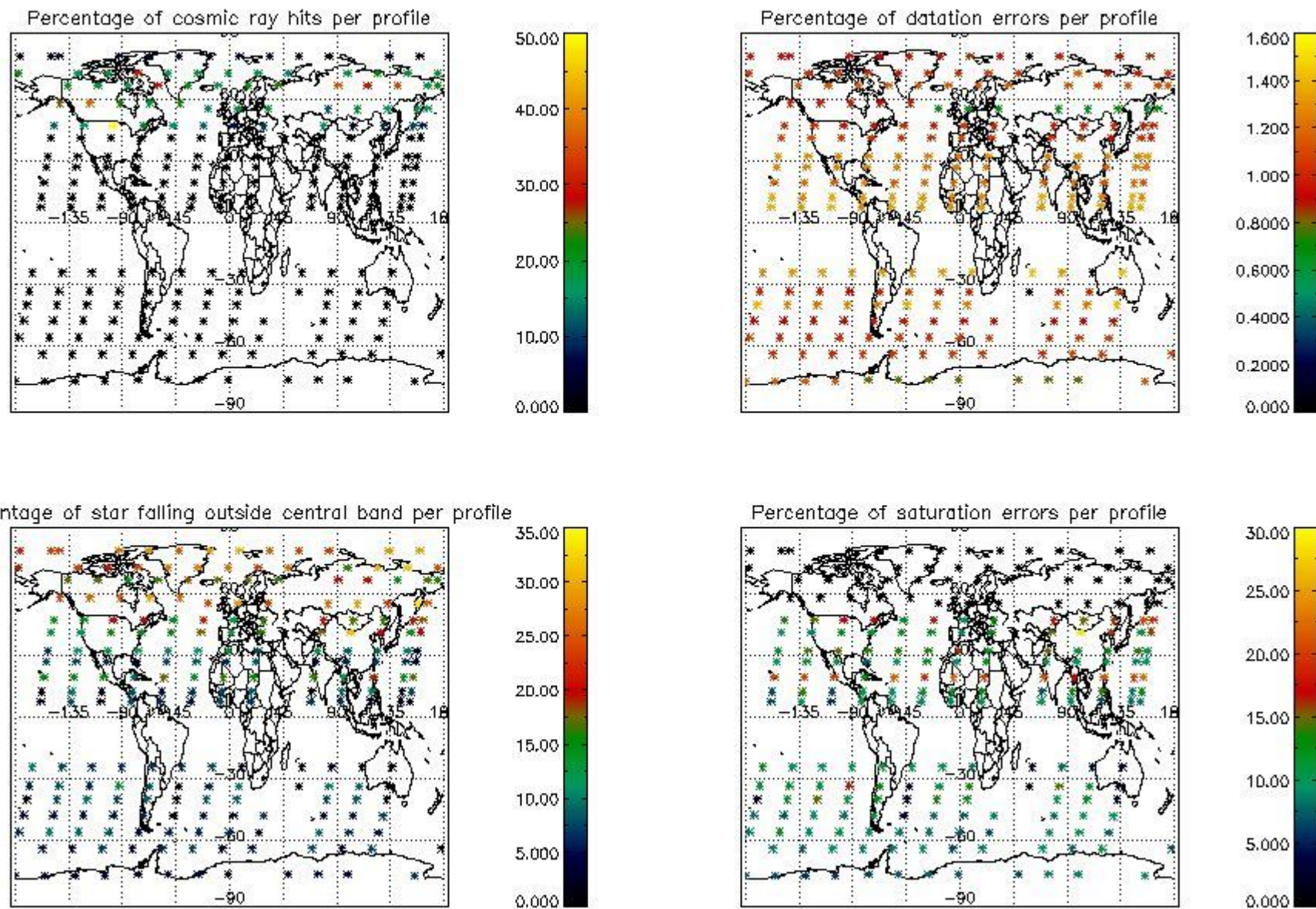


4.2 Plot quality information per product coming from level 1b processing (world map)

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

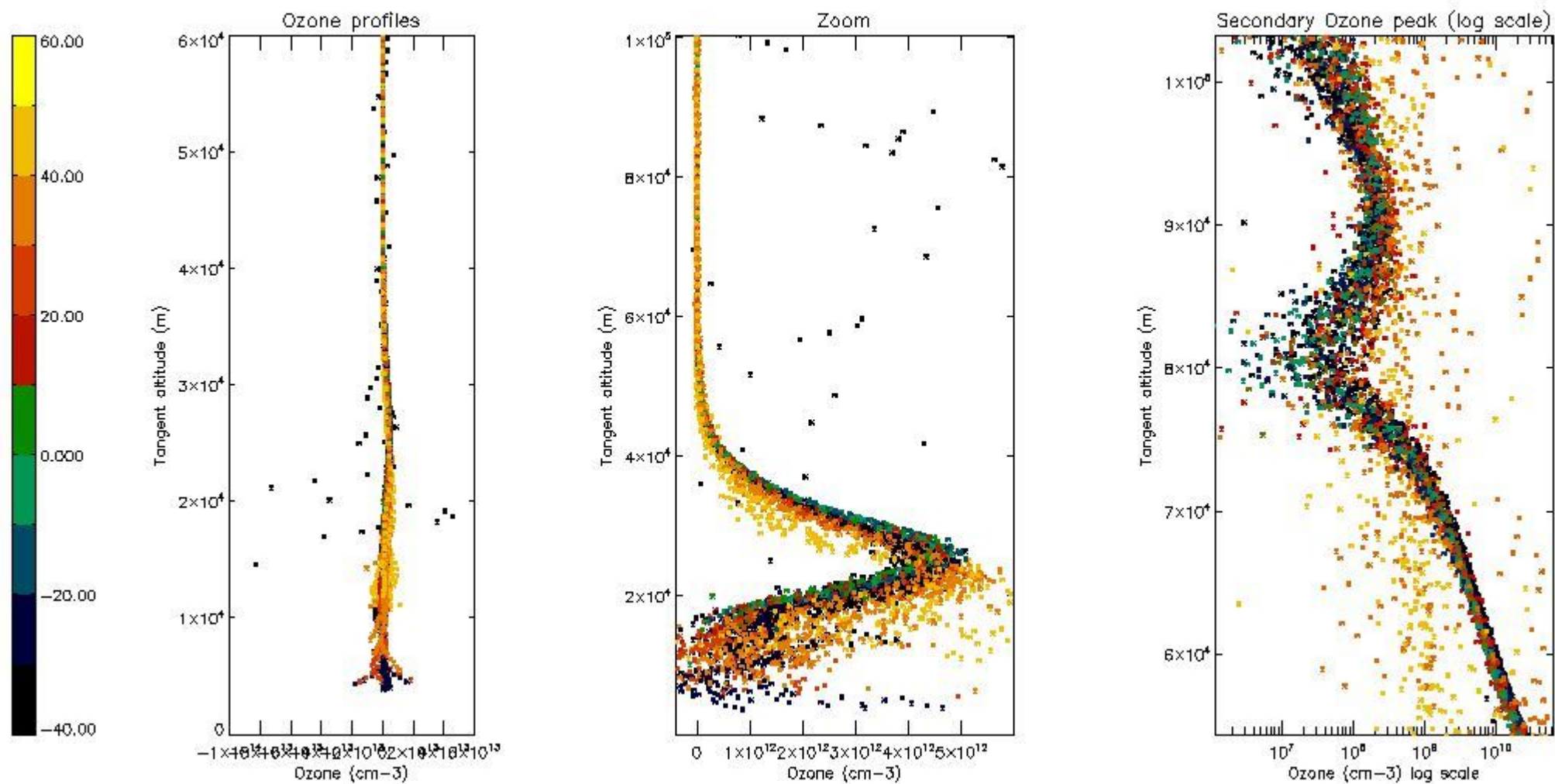
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	33
STD < 20	18

STD < 10	15
STD < 5	10

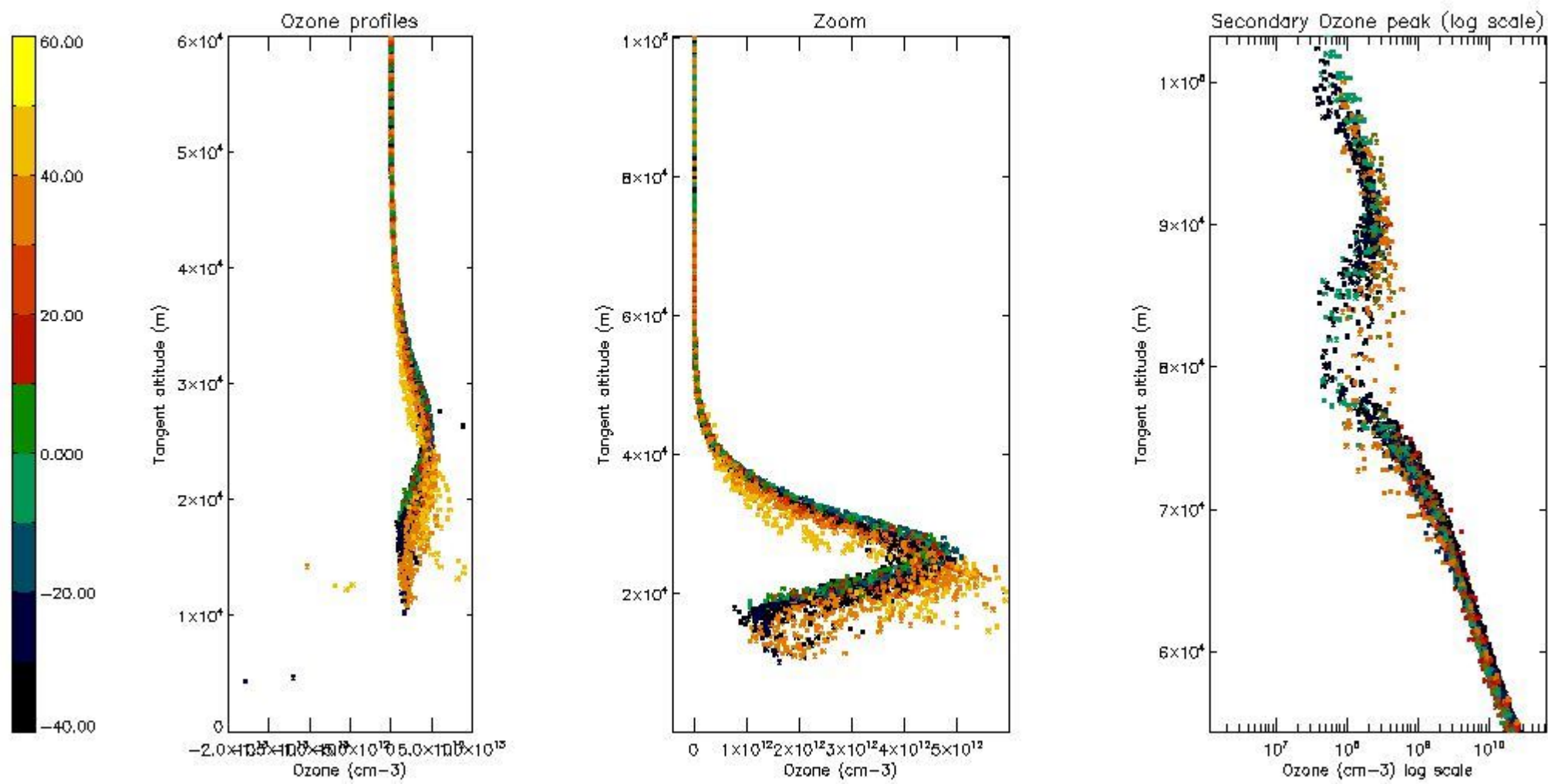
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



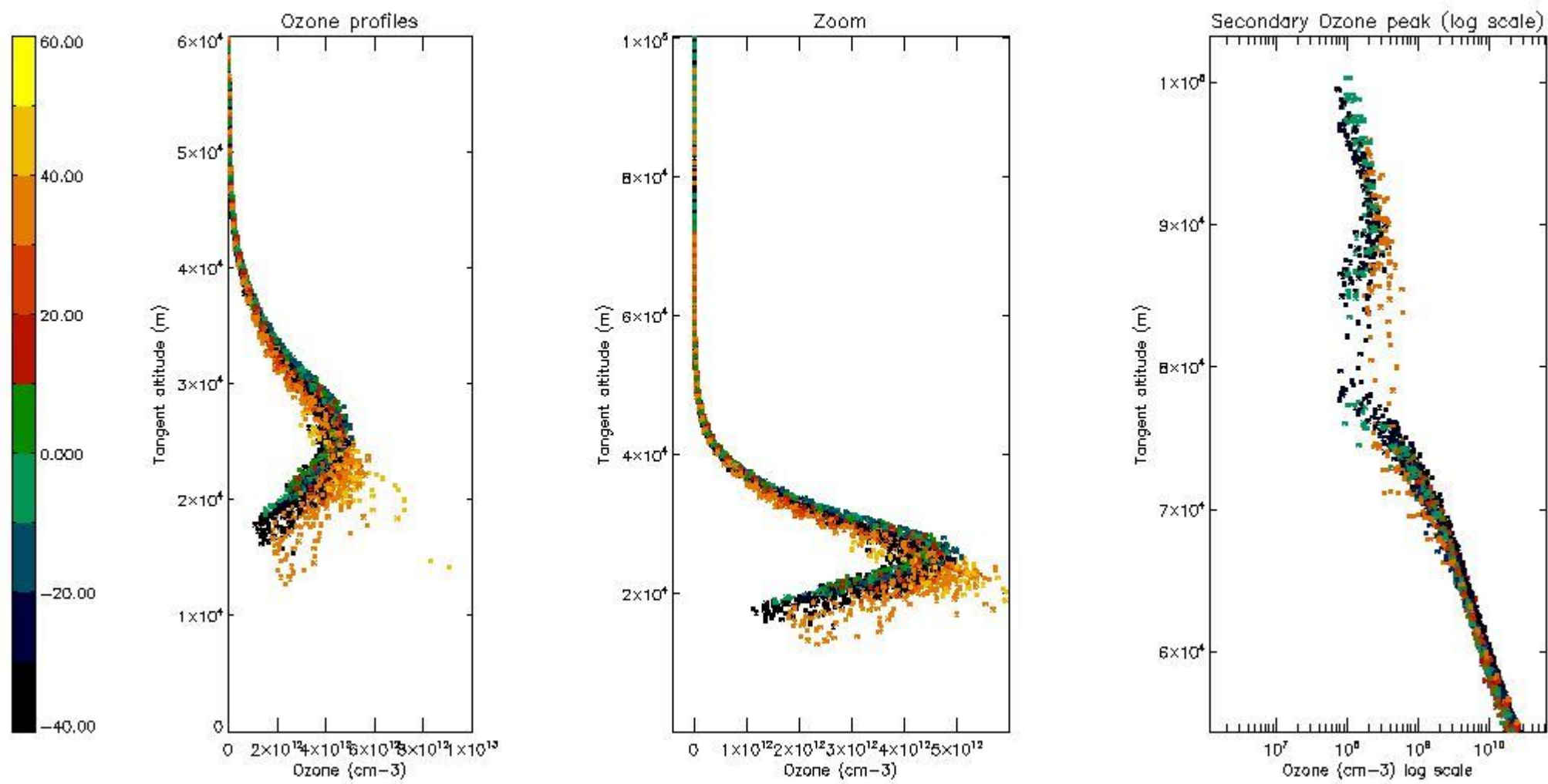
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



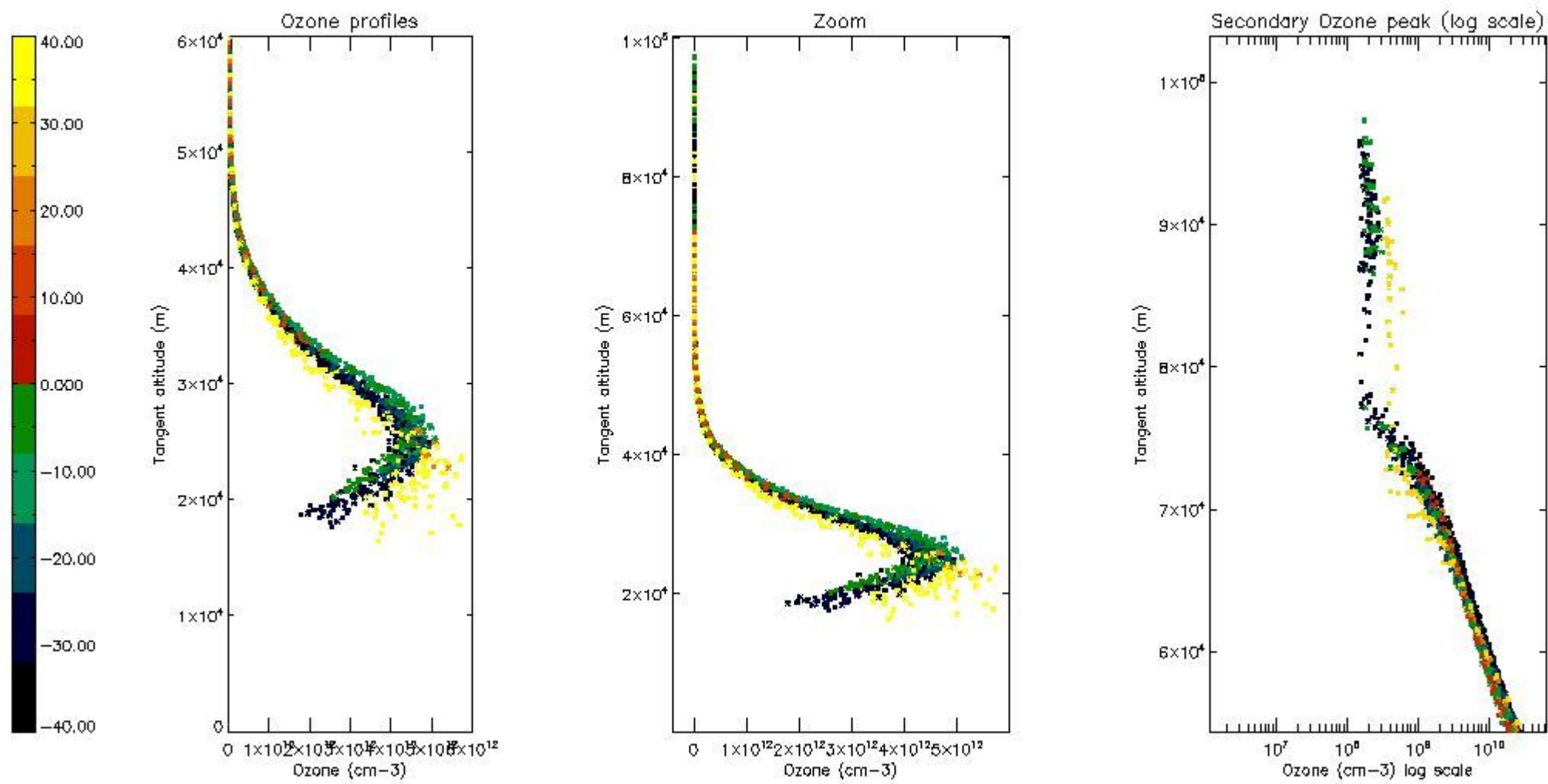
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



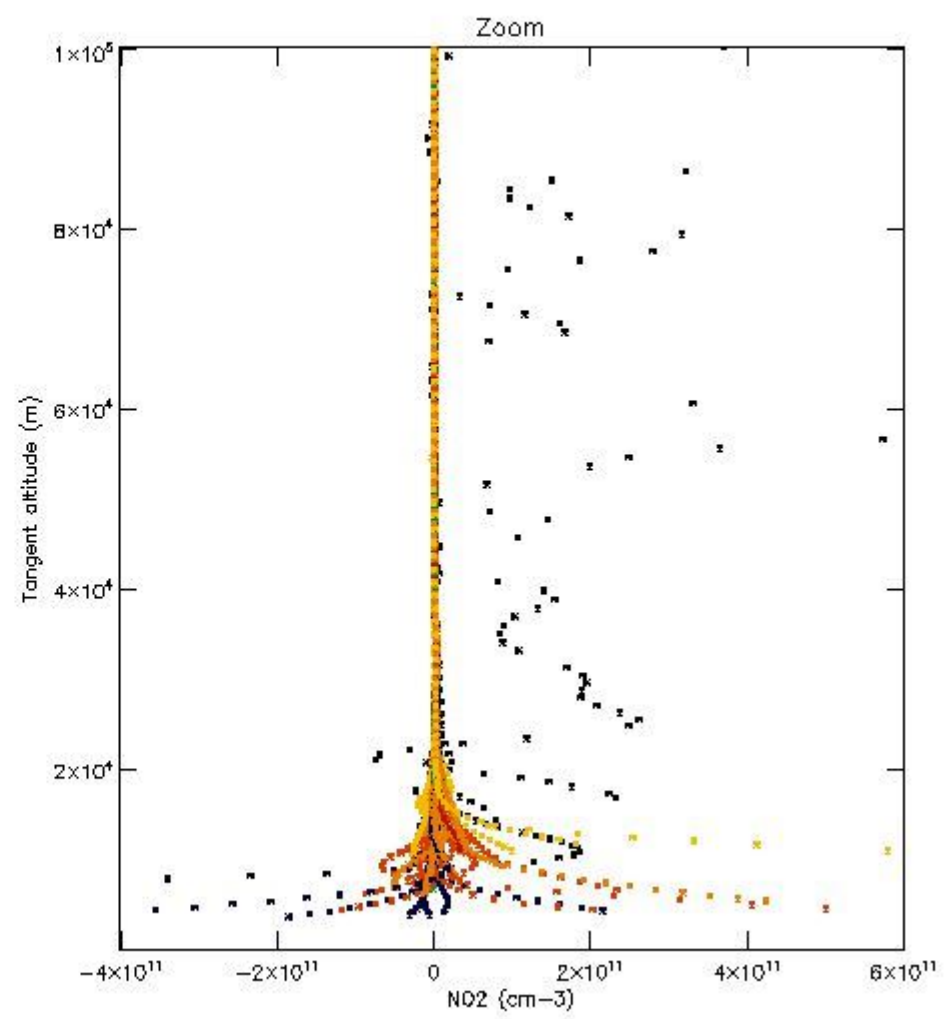
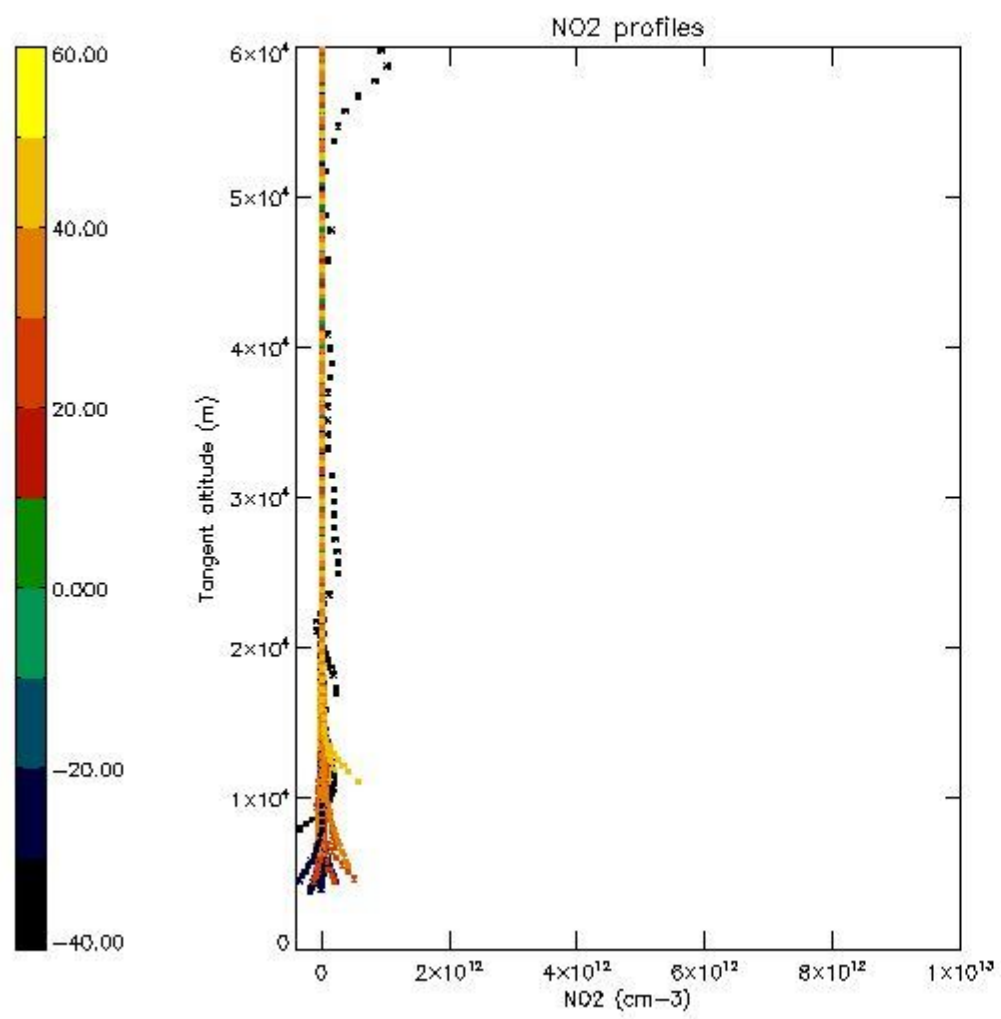
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



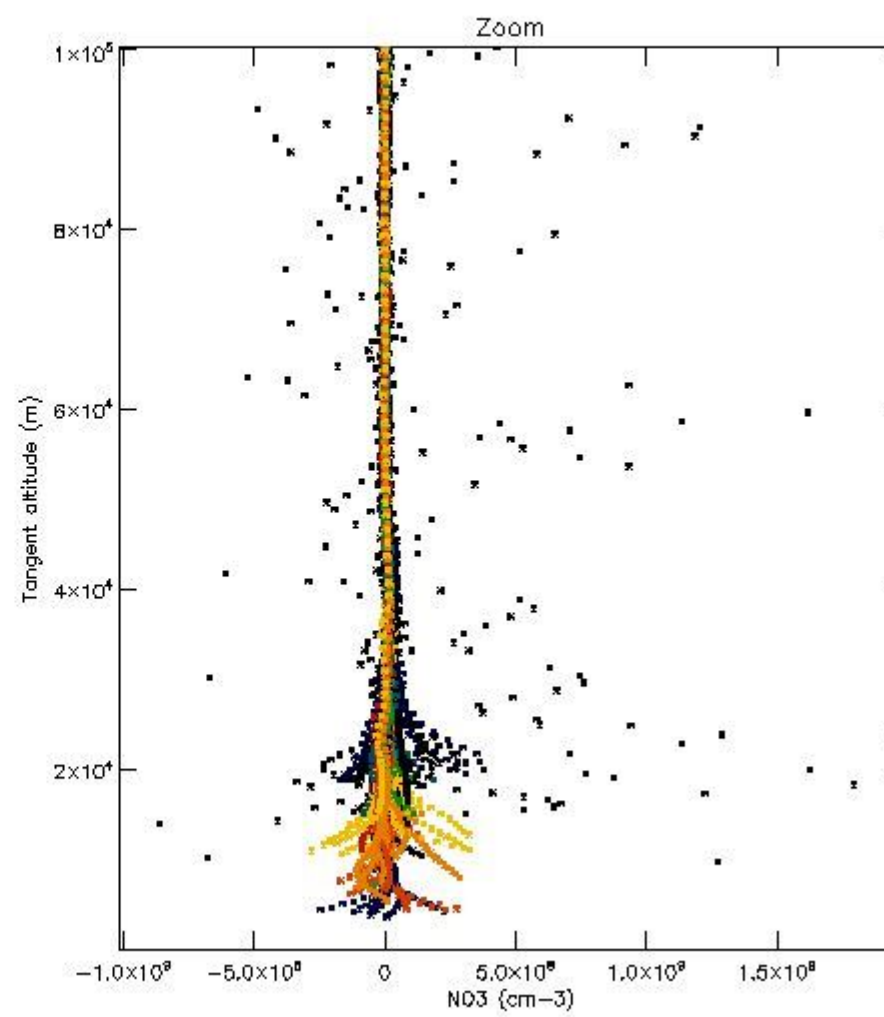
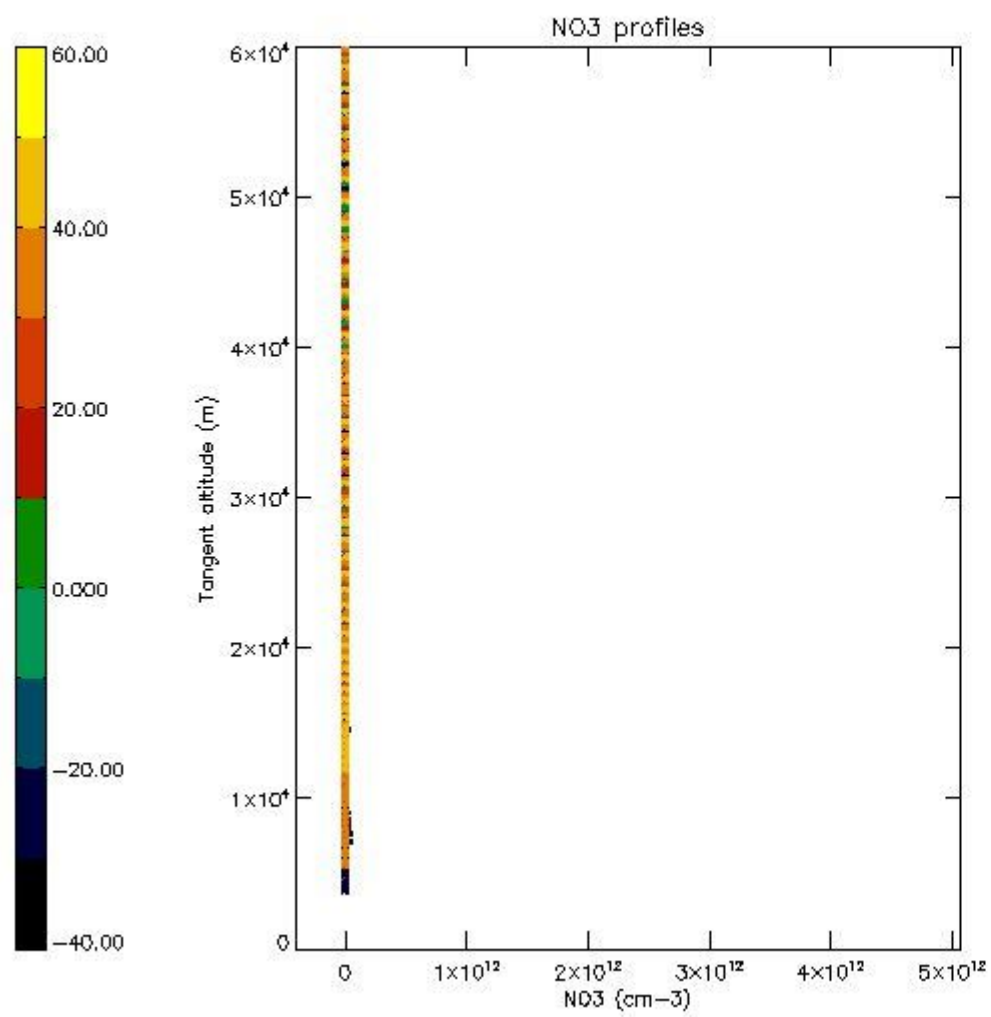
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



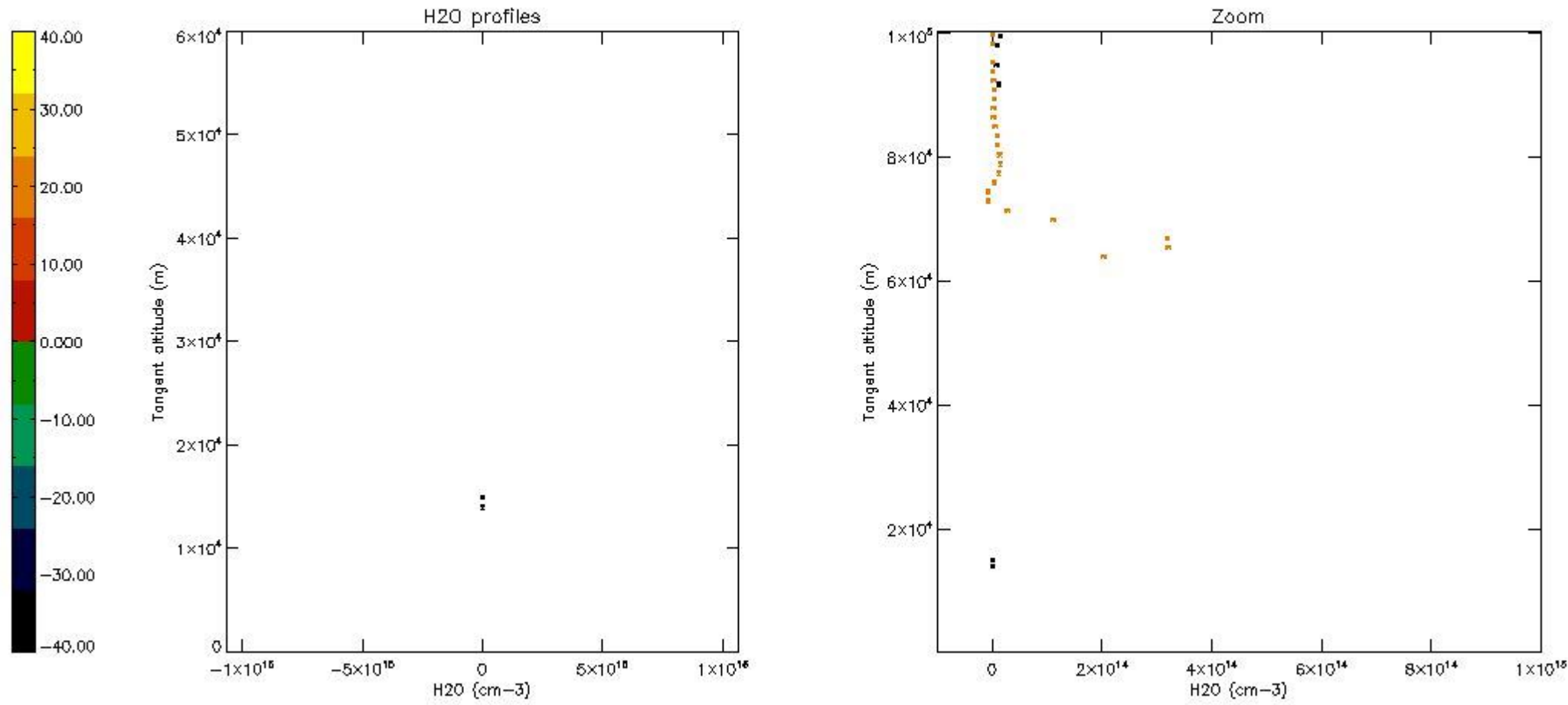
5.7 Plot NO3 profiles for all STD (dark without errors)

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	02-JAN-2005 00:02:38
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	02-JAN-2005 00:02:38
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	02-JAN-2005 00:02:38

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](#)

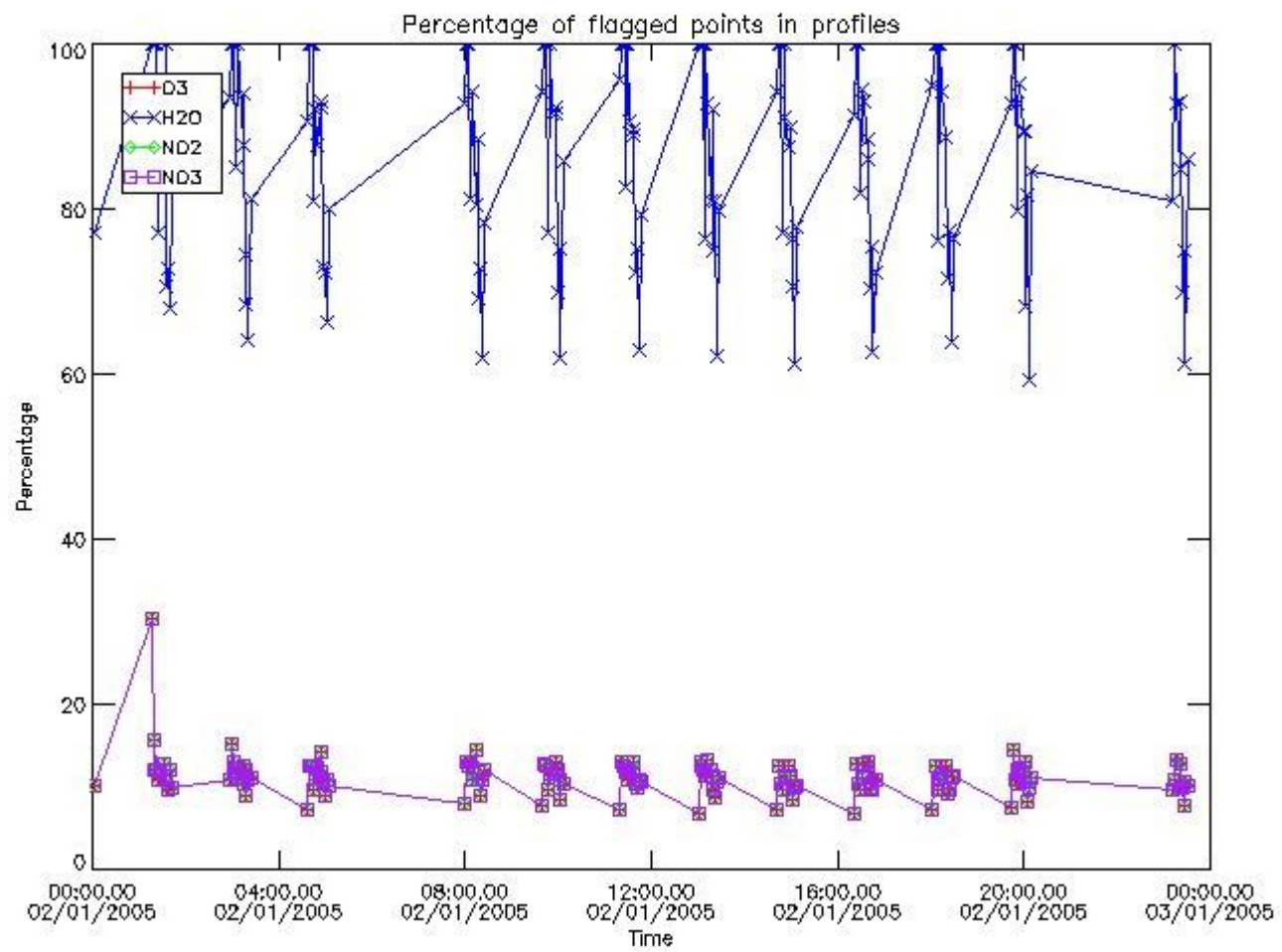
[6. Auxiliary Data Files used for the production reported in section 2](#)

456	GOM_NL__2PRFIN20050102_235237_000000382033_00288_14871_8093.N1	02-JAN-2005 23:52:37	Bright	38.000	114	3lot Aur	2.6930	4600.0	76	14871	No
457	GOM_NL__2PRFIN20050102_235402_000000422033_00288_14871_8094.N1	02-JAN-2005 23:54:02	Bright	41.500	107	37The Aur	2.6490	11000.	83	14871	No
458	GOM_NL__2PRFIN20050102_235614_000000452033_00288_14871_8095.N1	02-JAN-2005 23:56:14	Bright	44.500	6	13Alp Aur	0.080000	3400.0	89	14871	No
459	GOM_NL__2PRFIN20050102_235814_000000392033_00288_14871_8096.N1	02-JAN-2005 23:58:14	Bright	39.000	35	33Alp Per	1.7950	6250.0	78	14871	No
460	GOM_NL__2PRFIN20050102_235932_000000372033_00288_14871_8097.N1	02-JAN-2005 23:59:32	Bright	37.000	160	23Gam Per	2.9300	4700.0	74	14871	No

3. Quality information per product

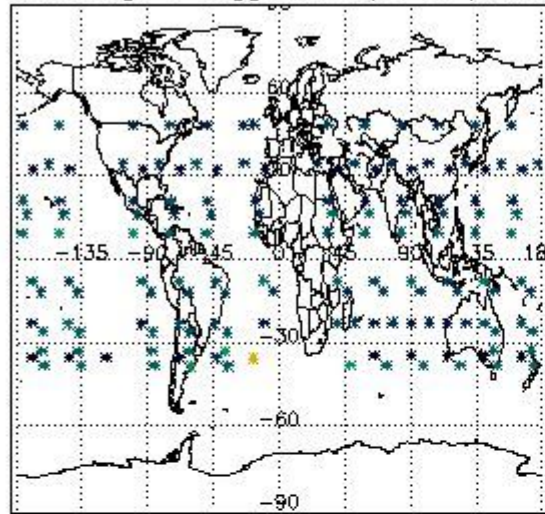
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

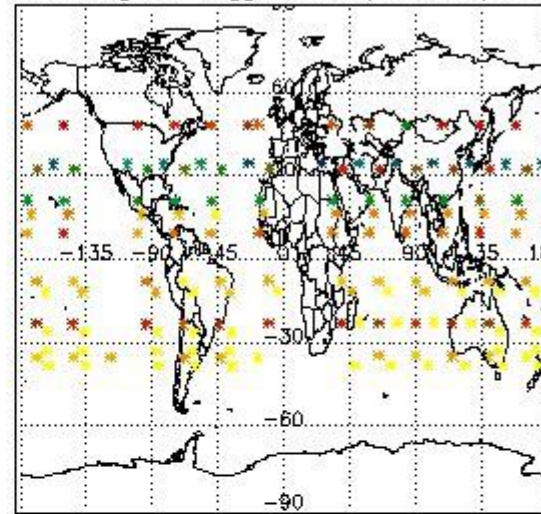


3.2 Plot quality information per product (world map)

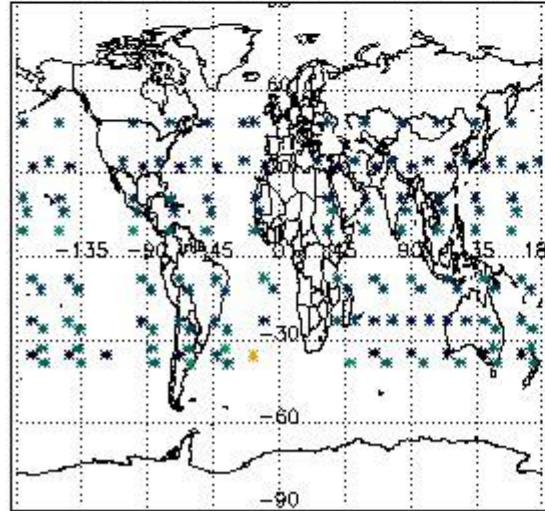
Percentage of flagged data per O3 profile



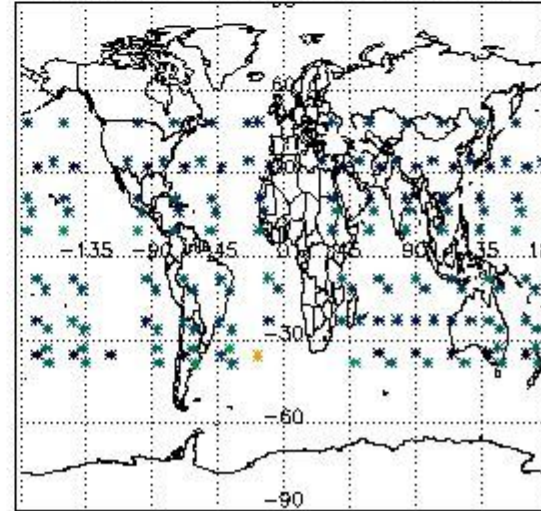
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

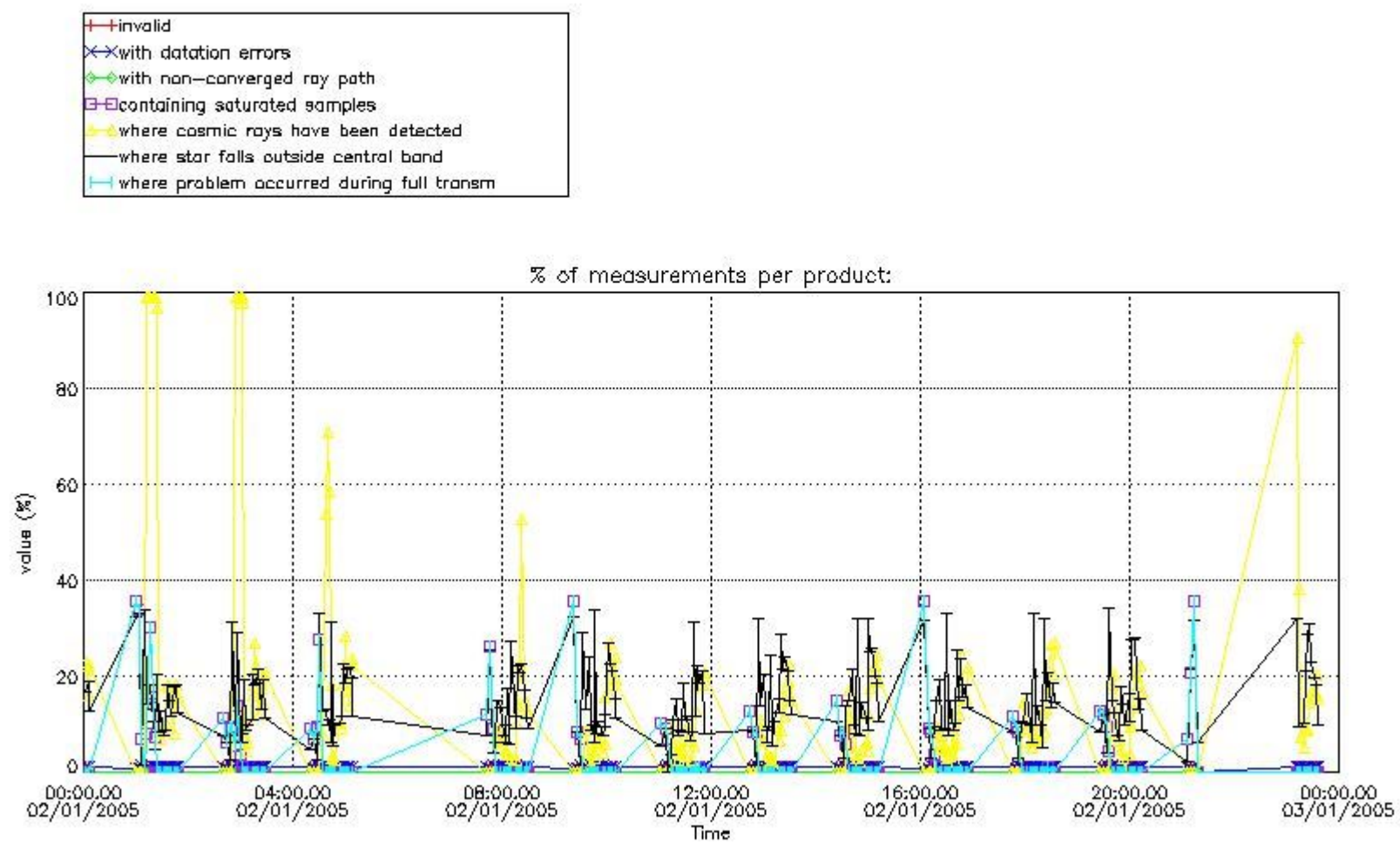


4. Level 1 quality information per product

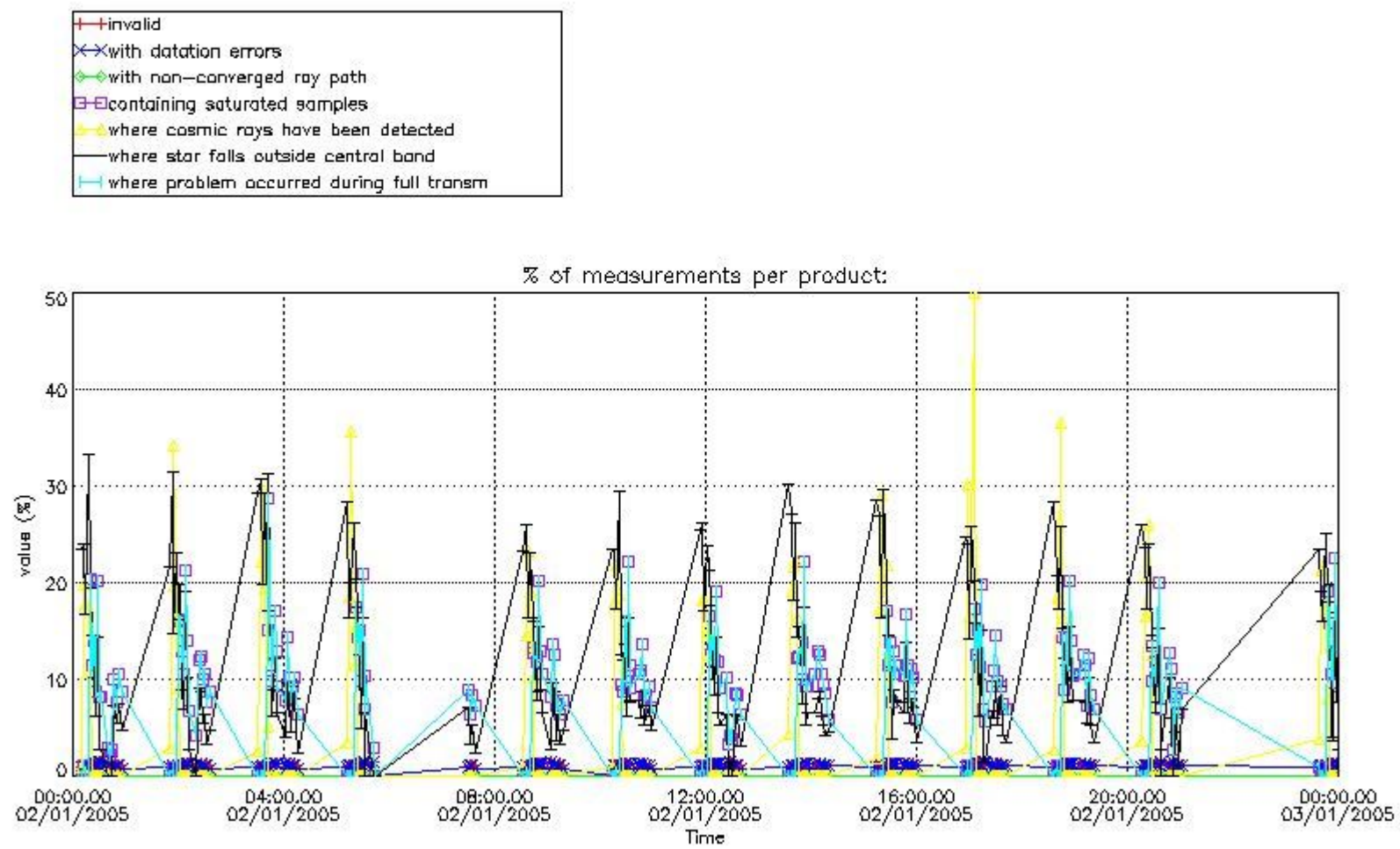
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

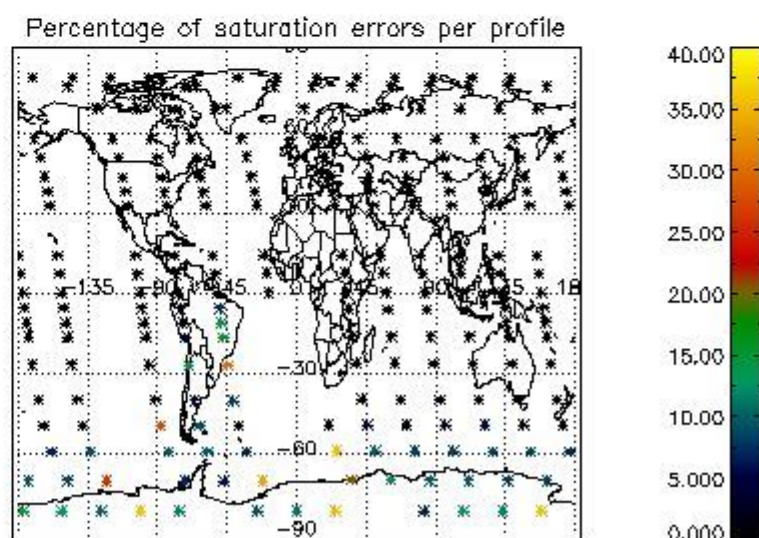
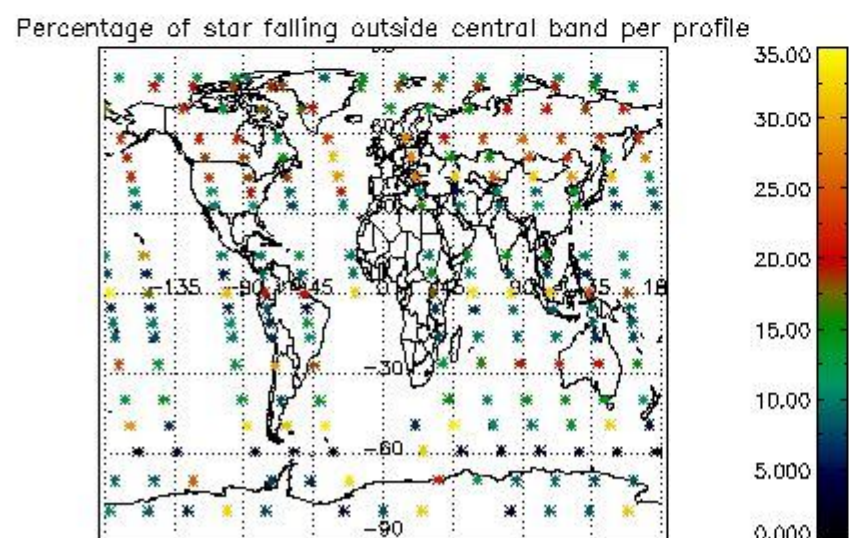
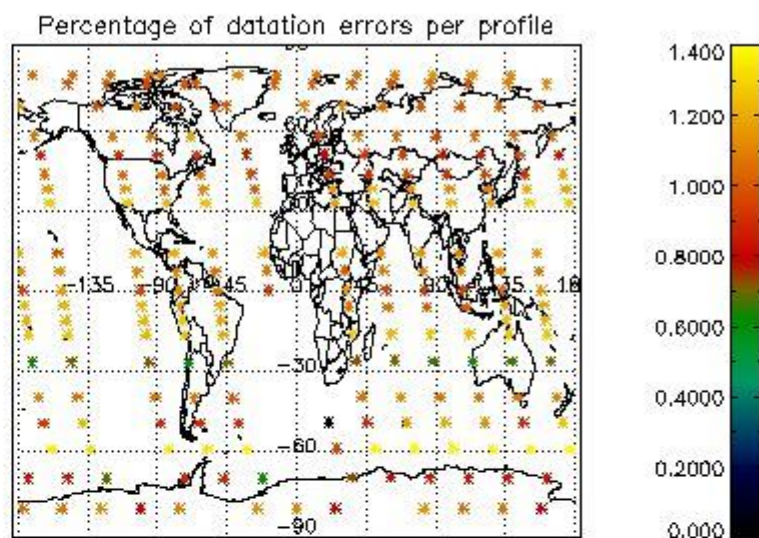
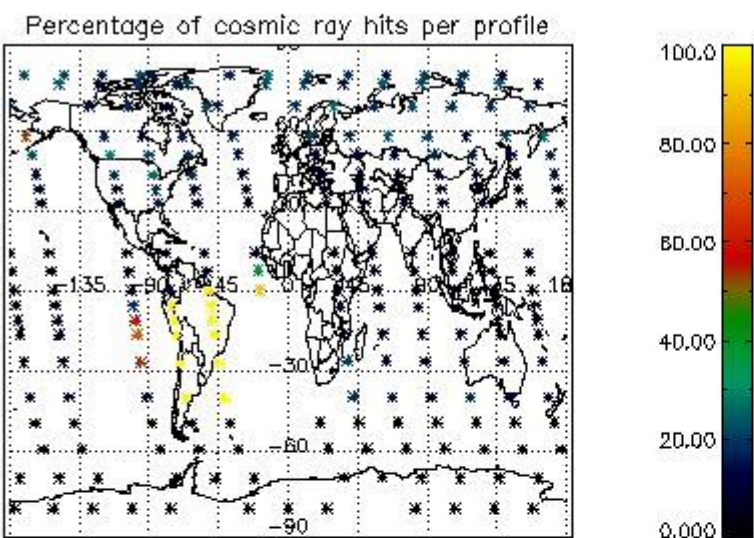


4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes

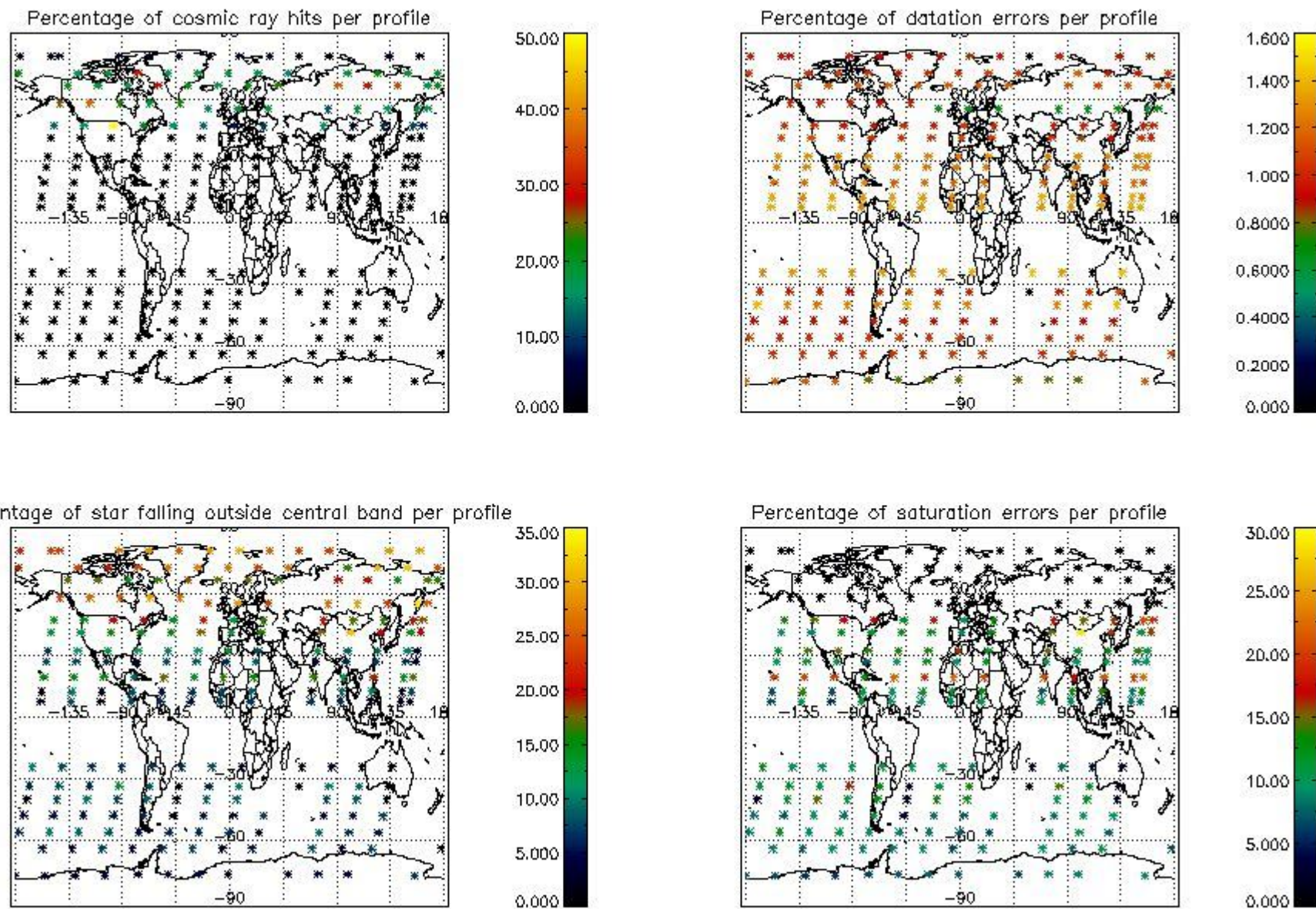


4.2 Plot quality information per product coming from level 1b processing (world map)

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

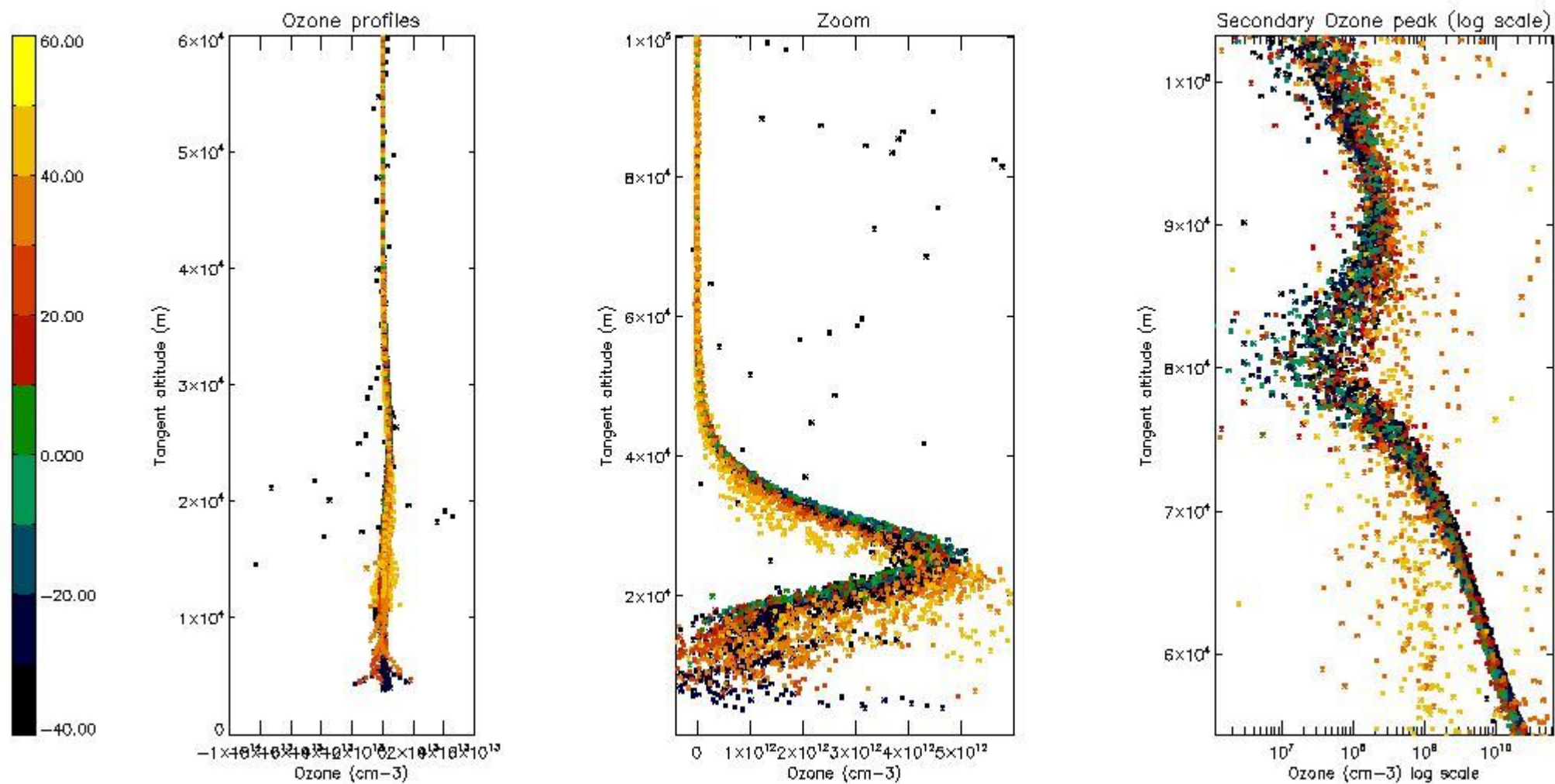
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	33
STD < 20	18

STD < 10	15
STD < 5	10

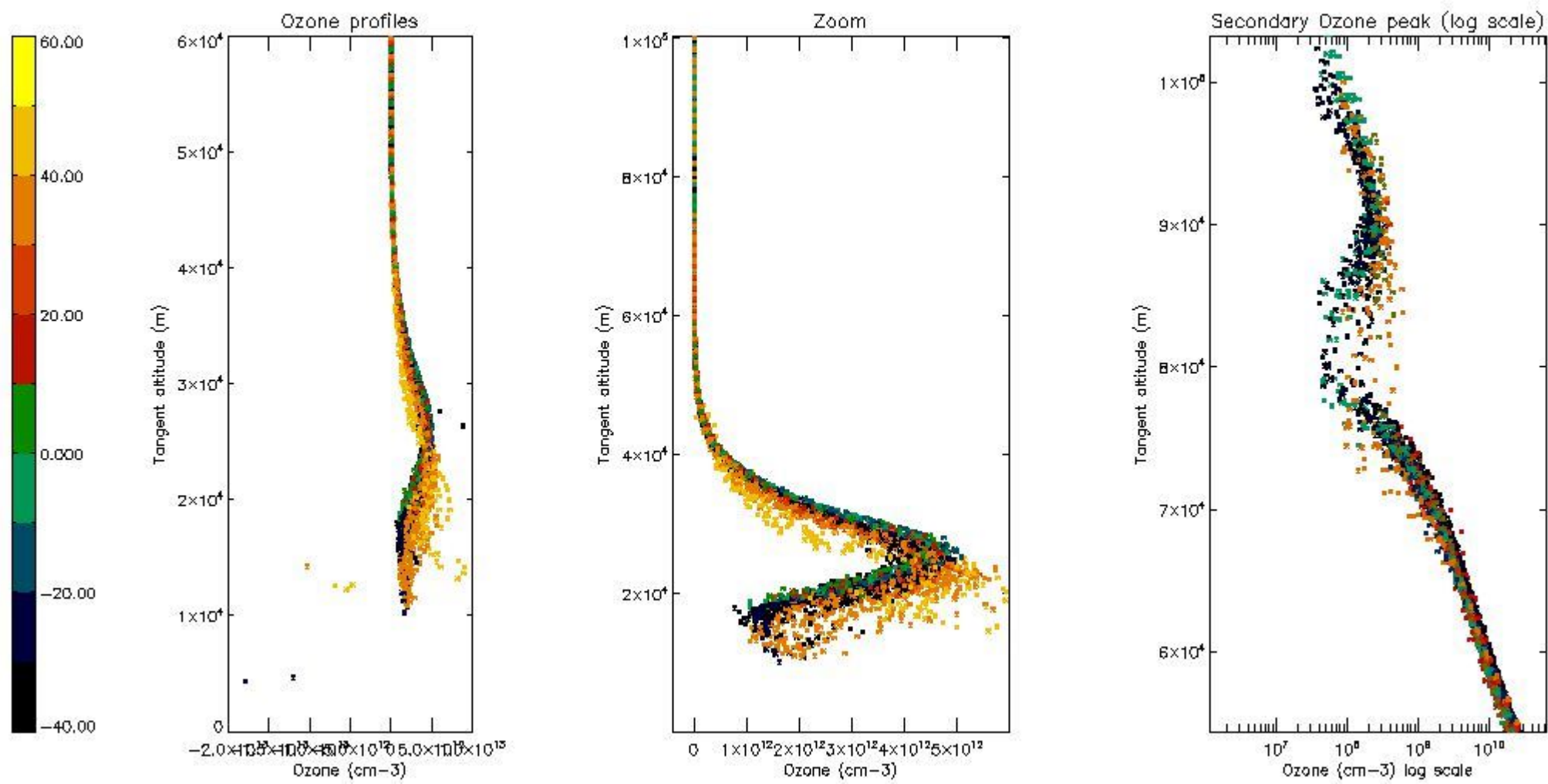
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



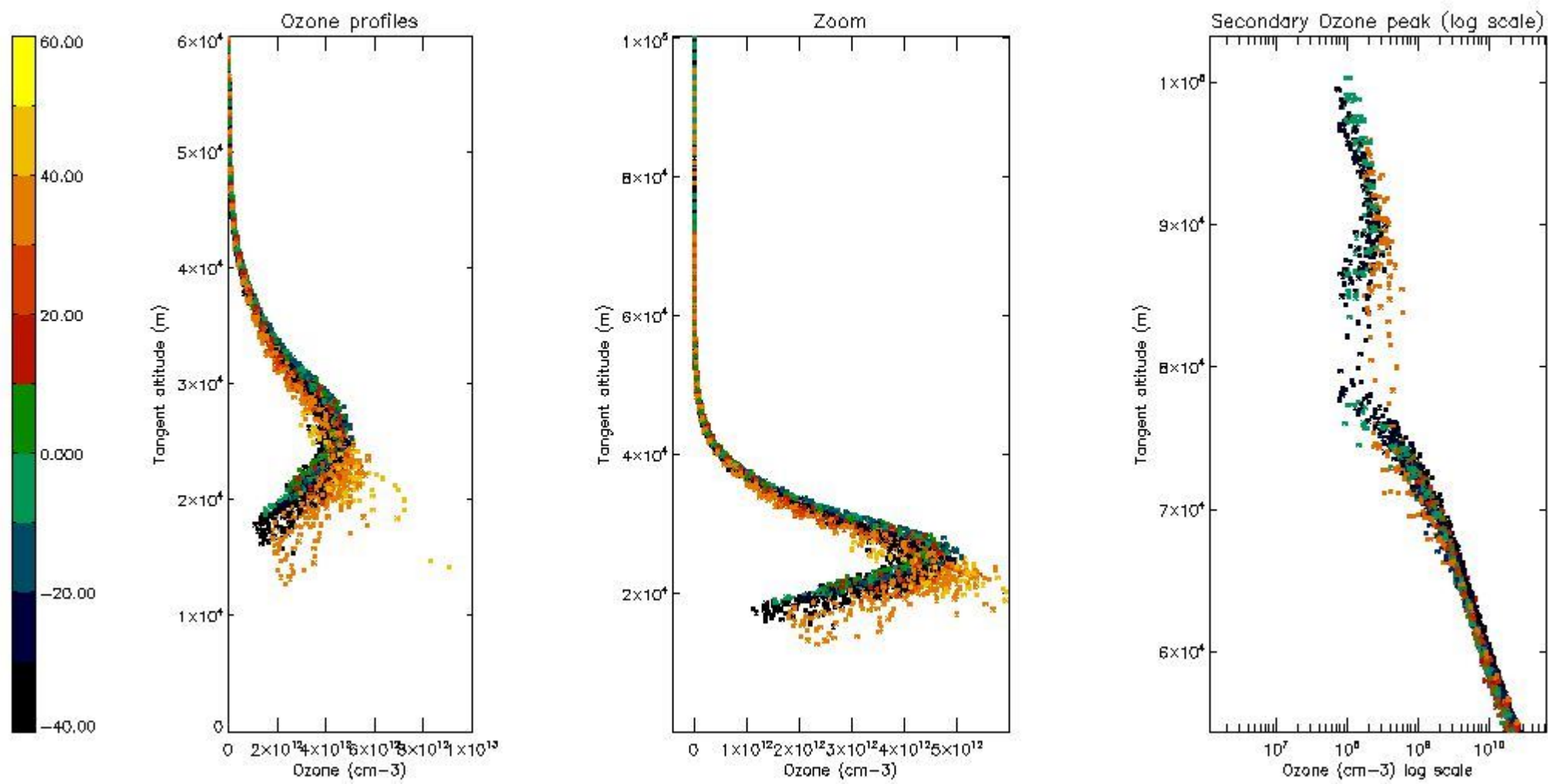
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



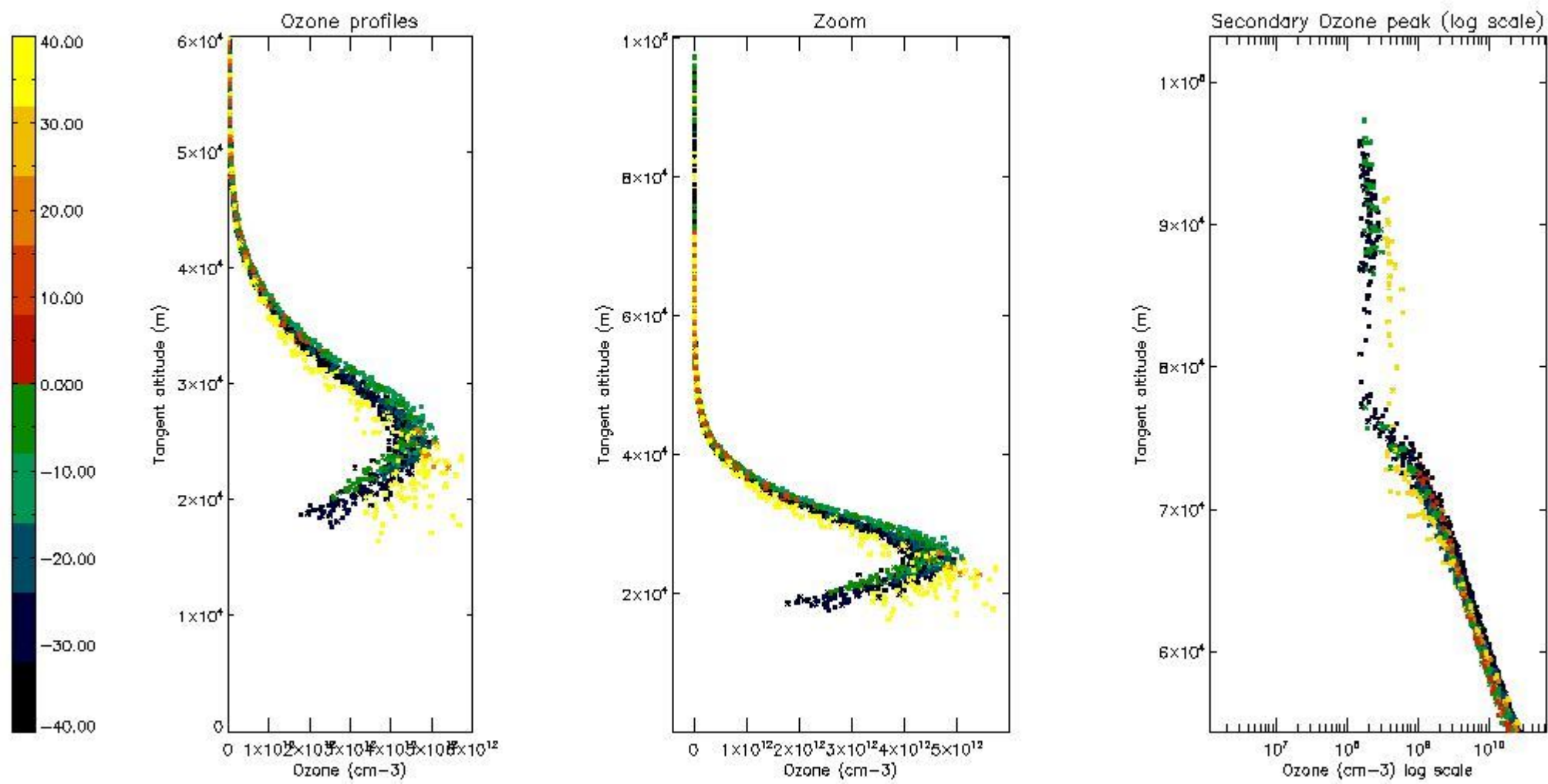
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



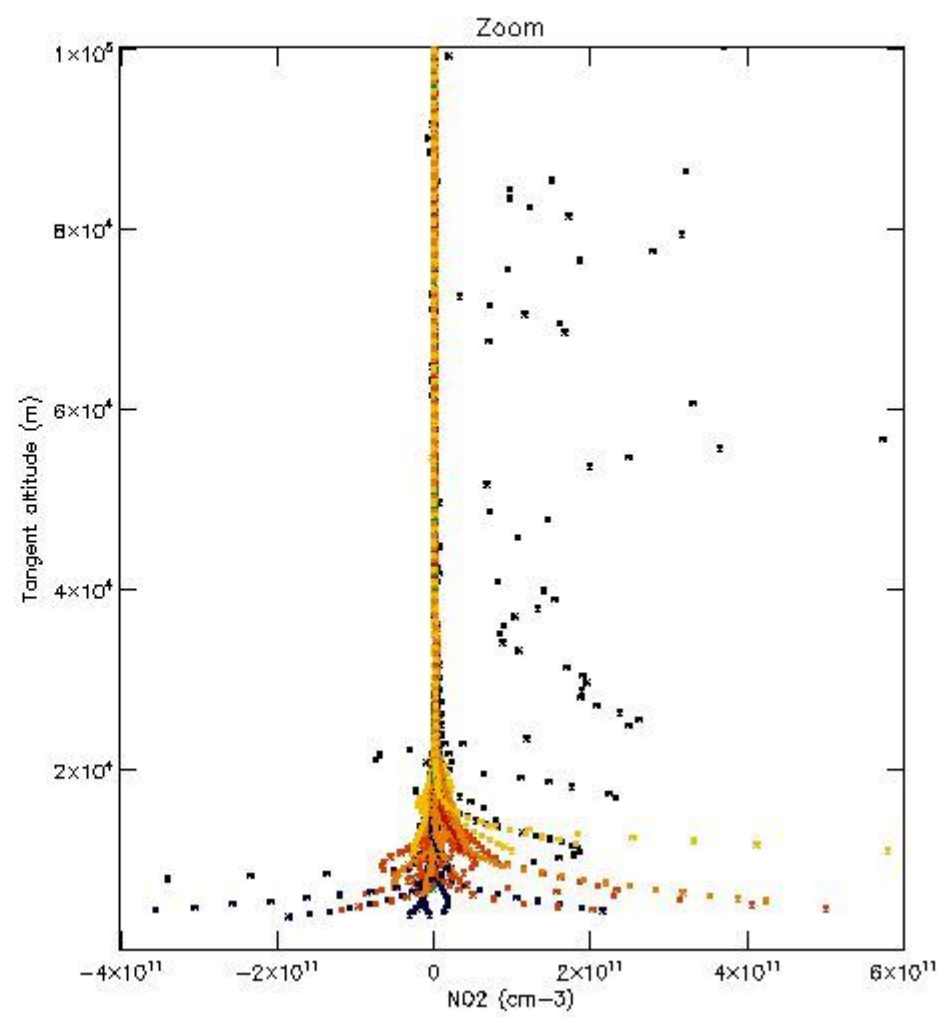
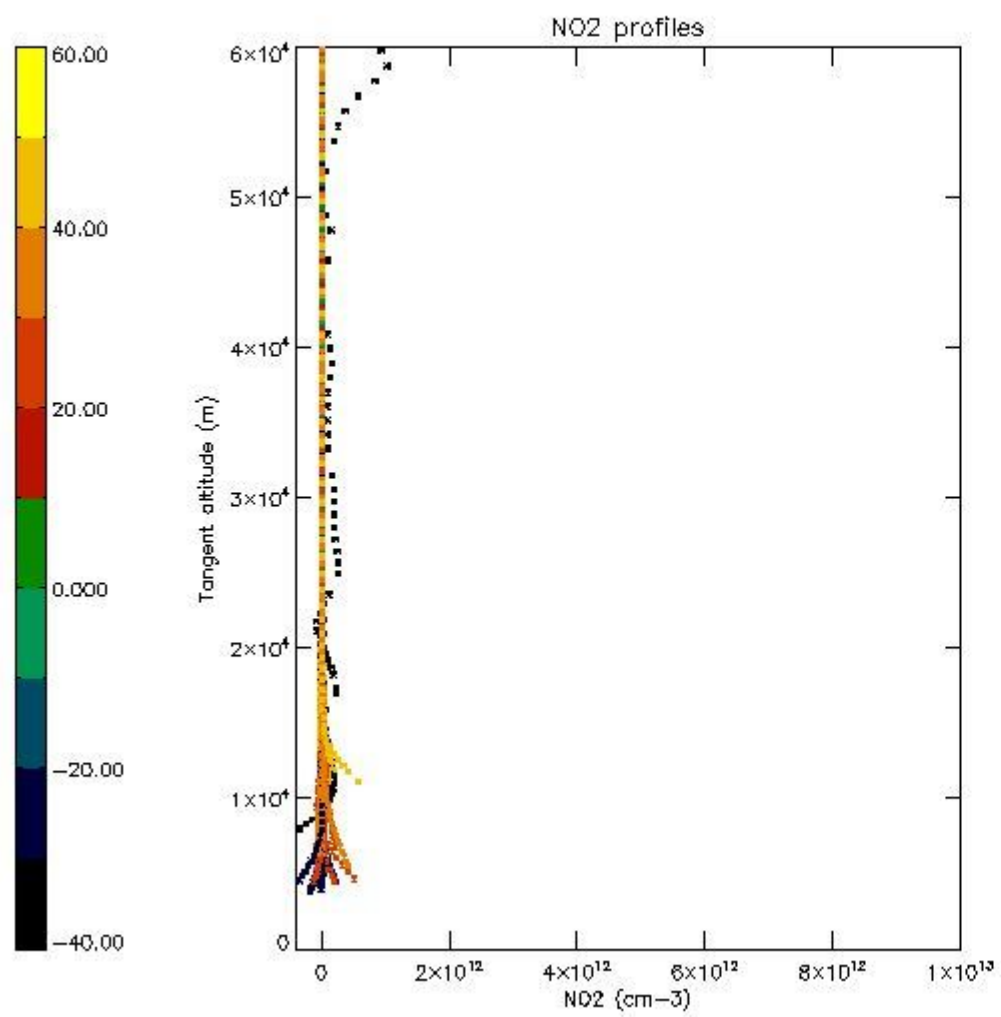
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



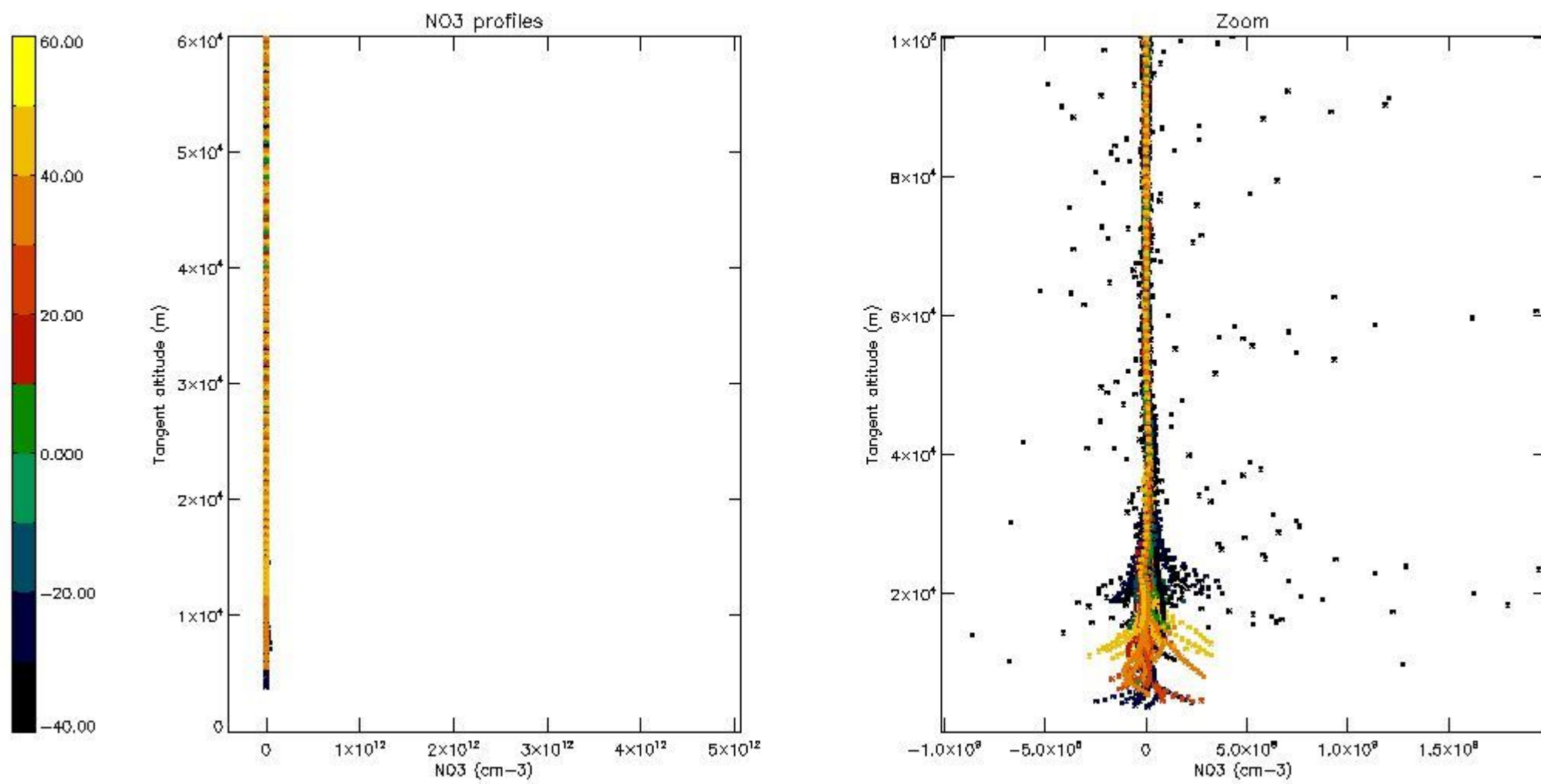
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



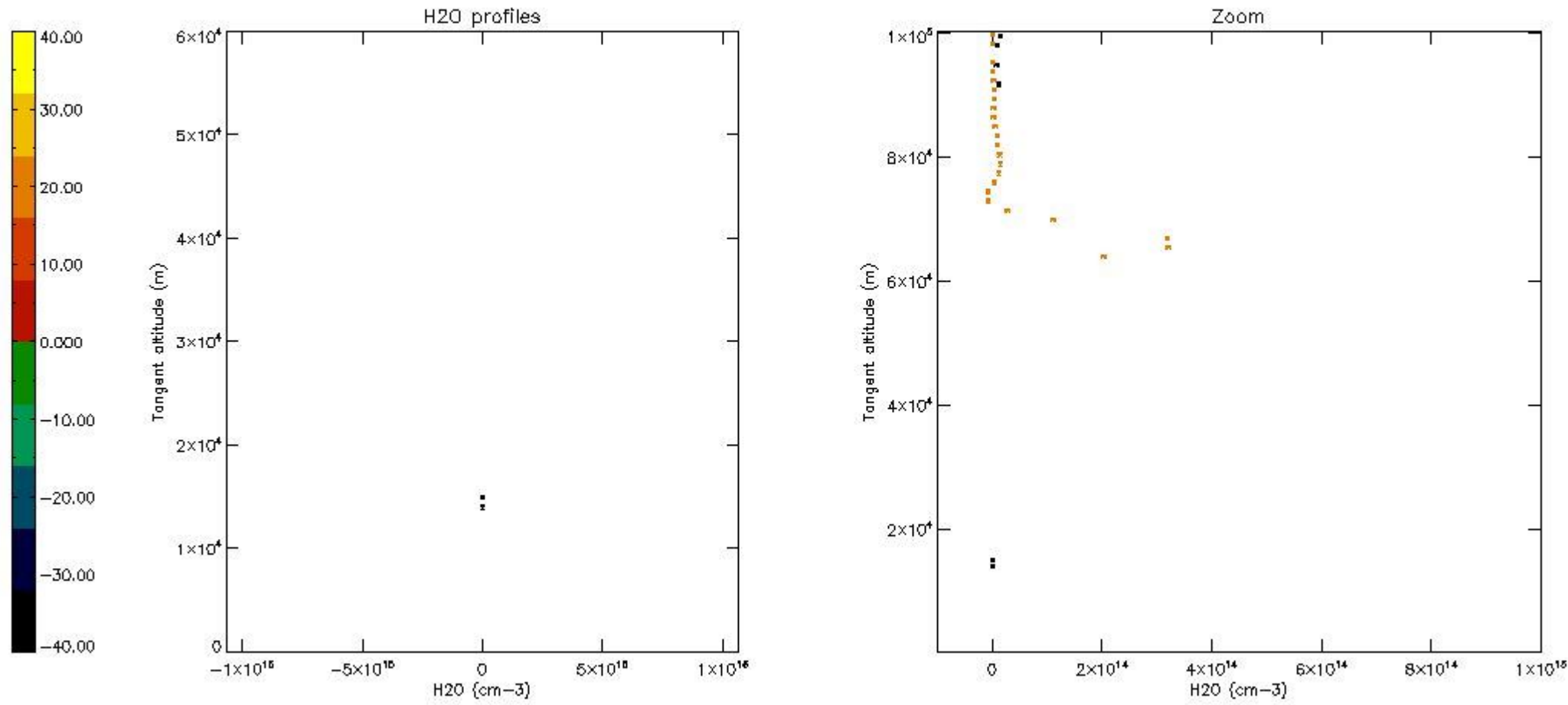
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

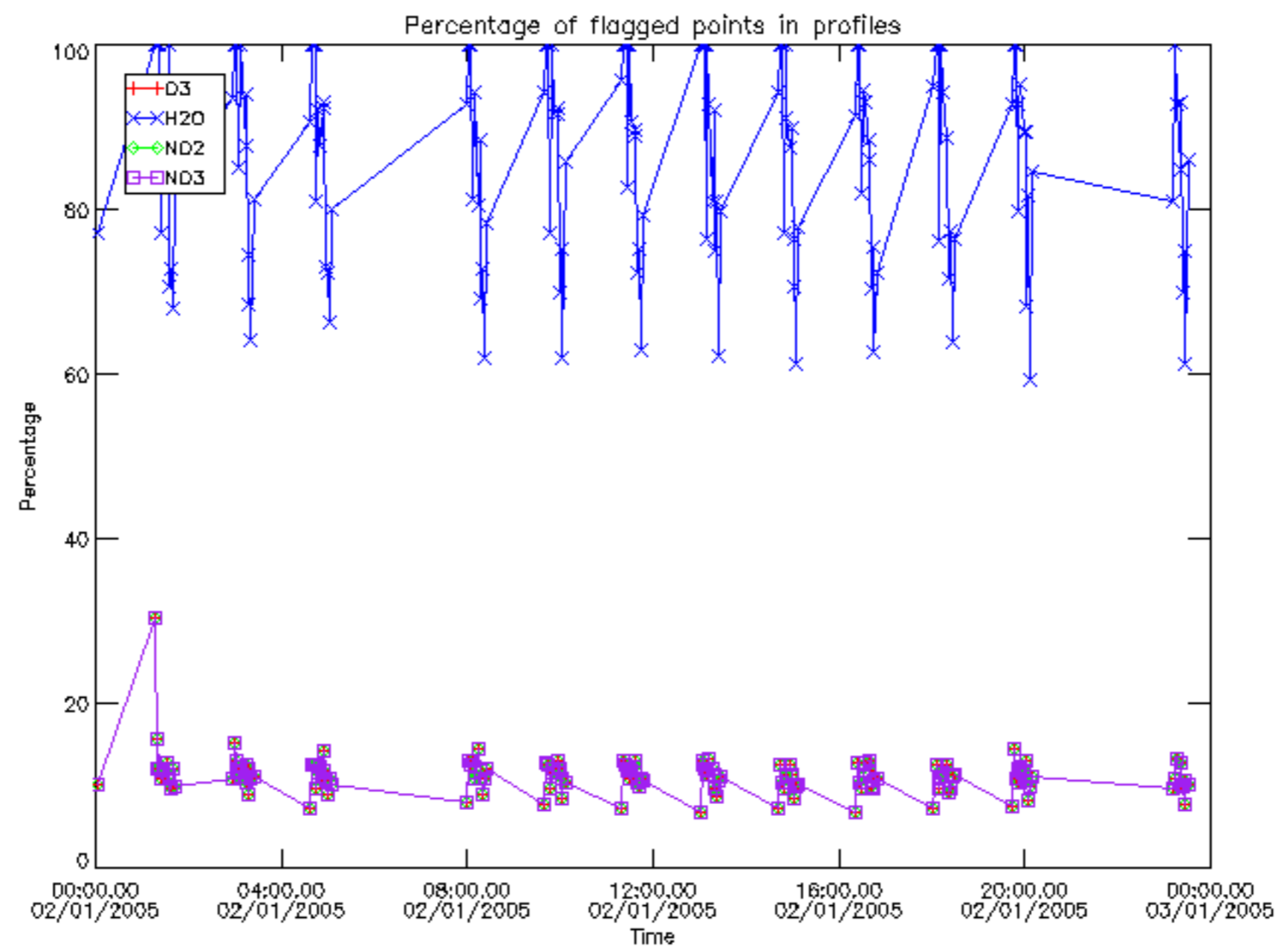
The colorbar represents the latitude.



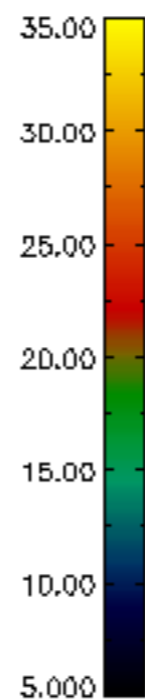
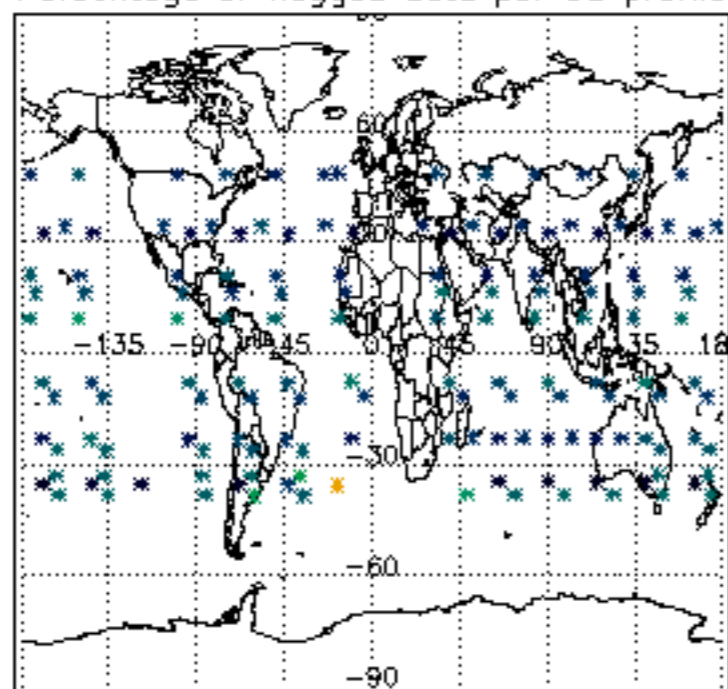
6. Auxiliary Data Files used for the production reported in section 2

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.

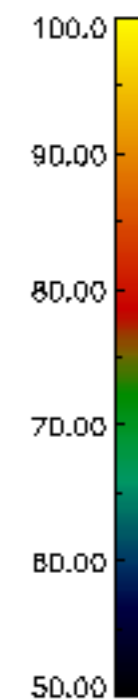
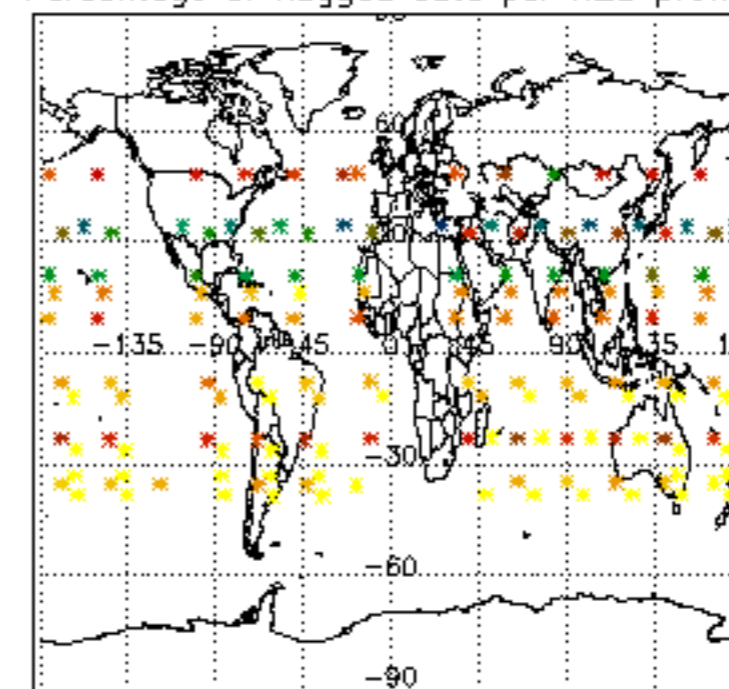
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	02-JAN-2005 00:02:38
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	02-JAN-2005 00:02:38
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	02-JAN-2005 00:02:38



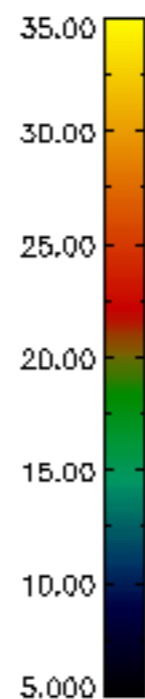
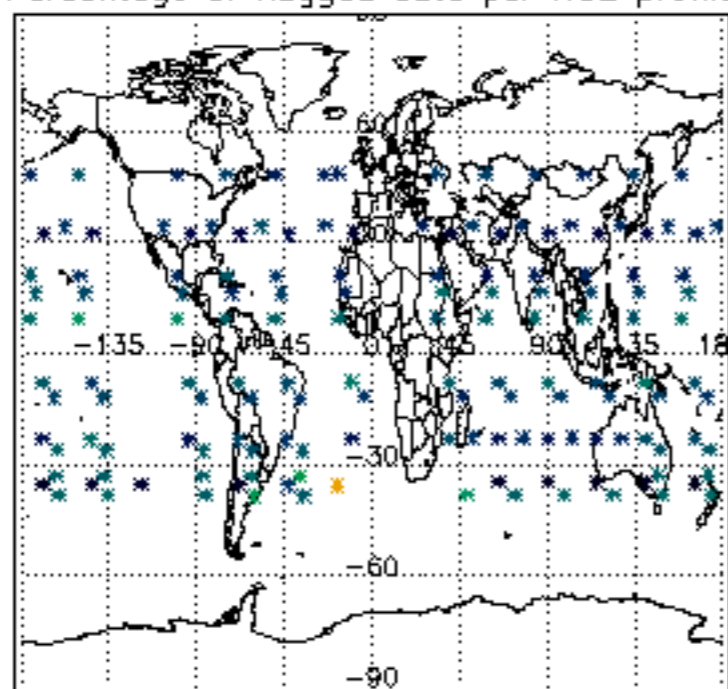
Percentage of flagged data per D3 profile



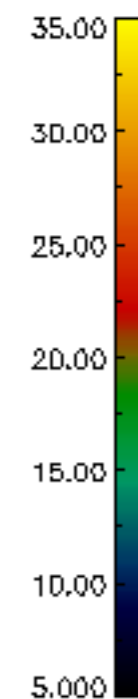
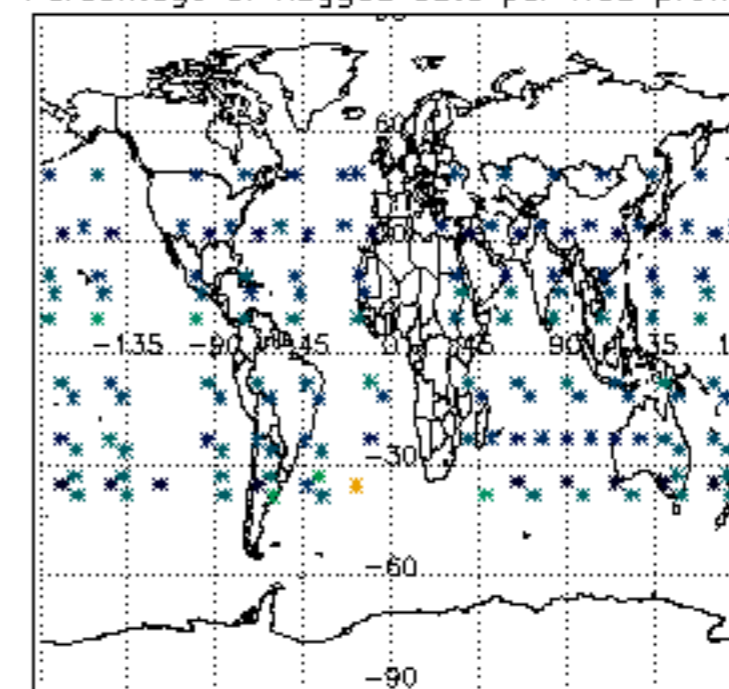
Percentage of flagged data per H2O profile

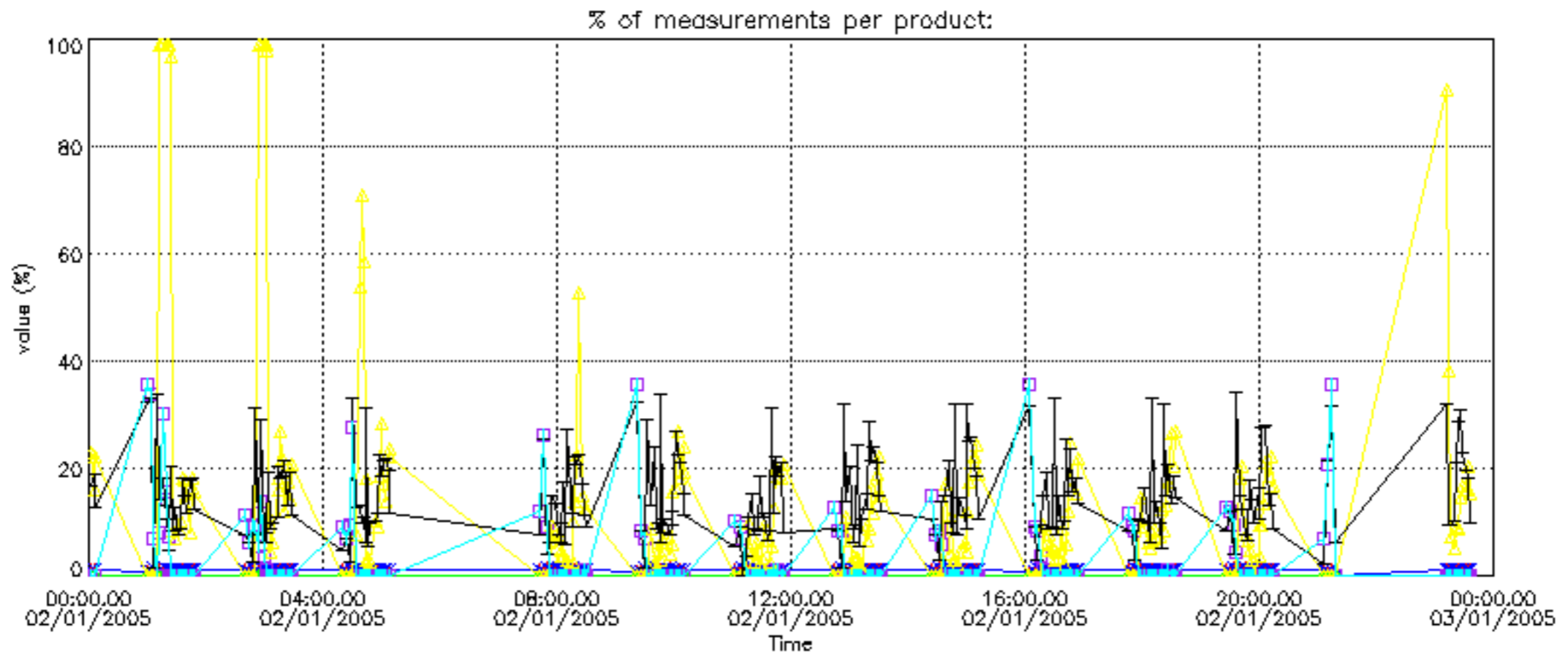


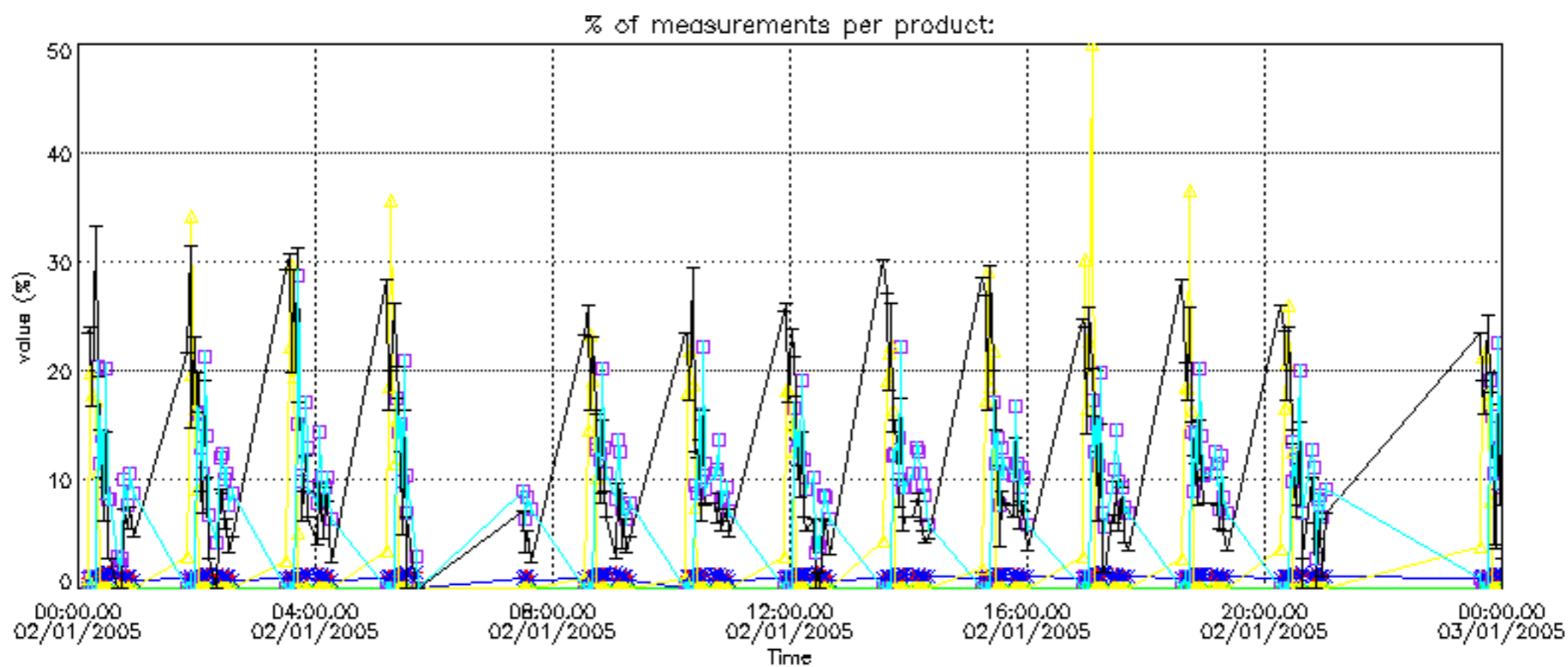
Percentage of flagged data per NO2 profile



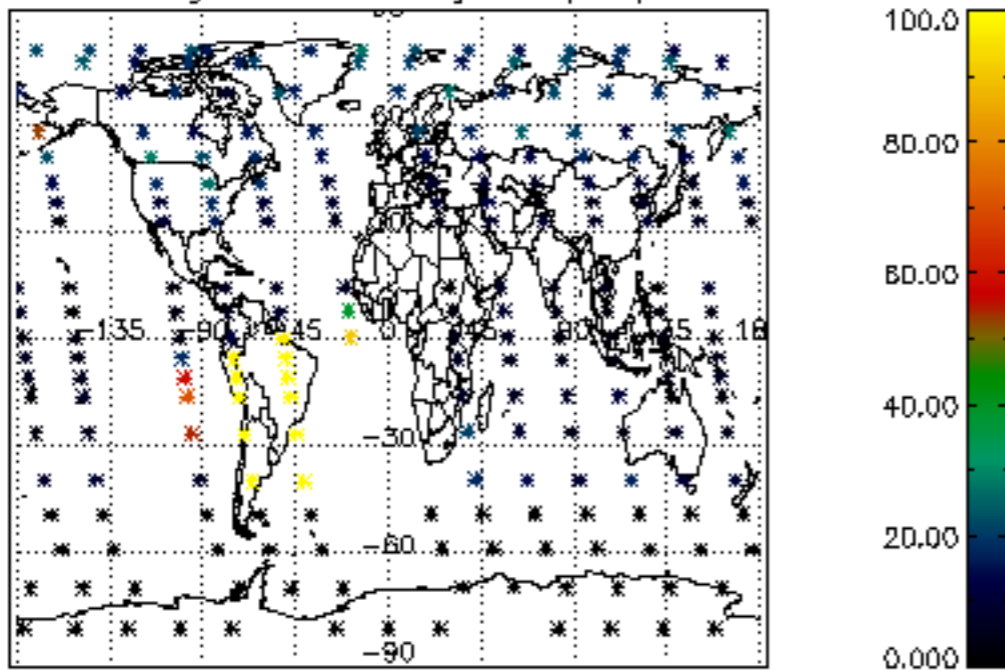
Percentage of flagged data per NO3 profile



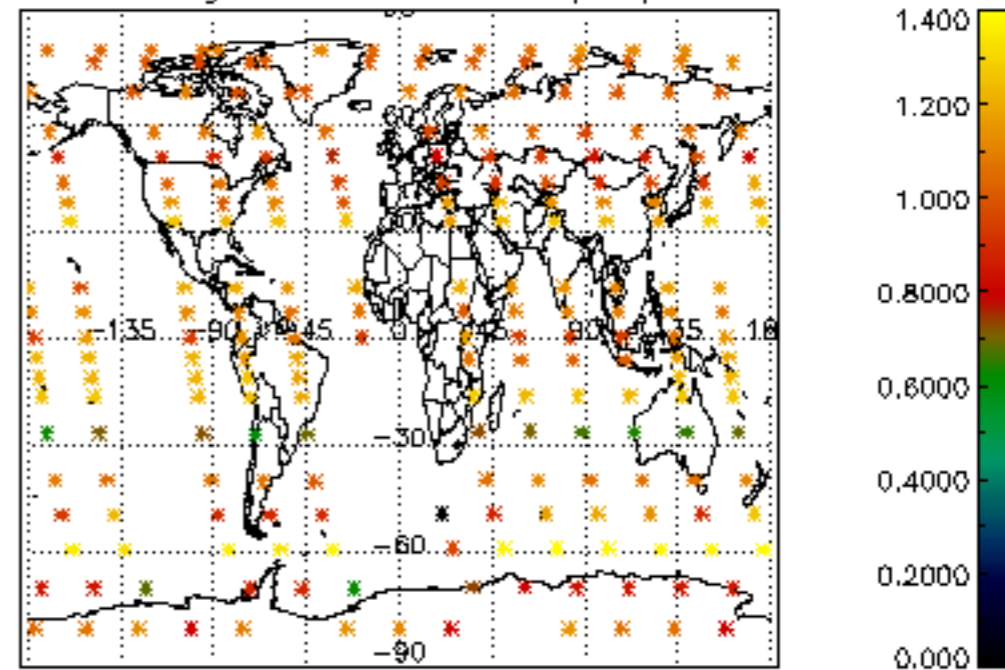




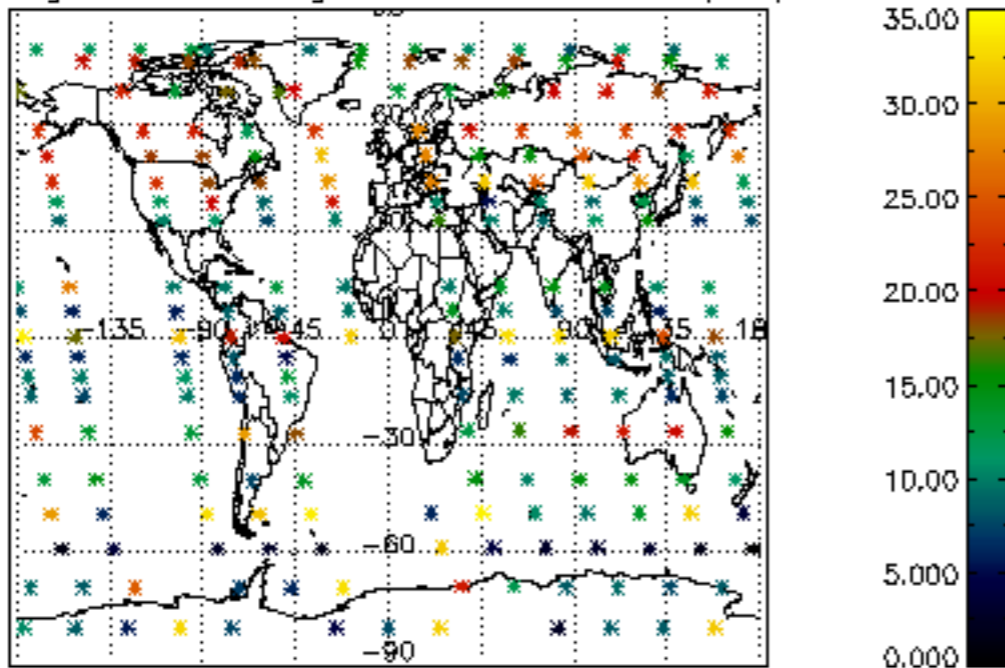
Percentage of cosmic ray hits per profile



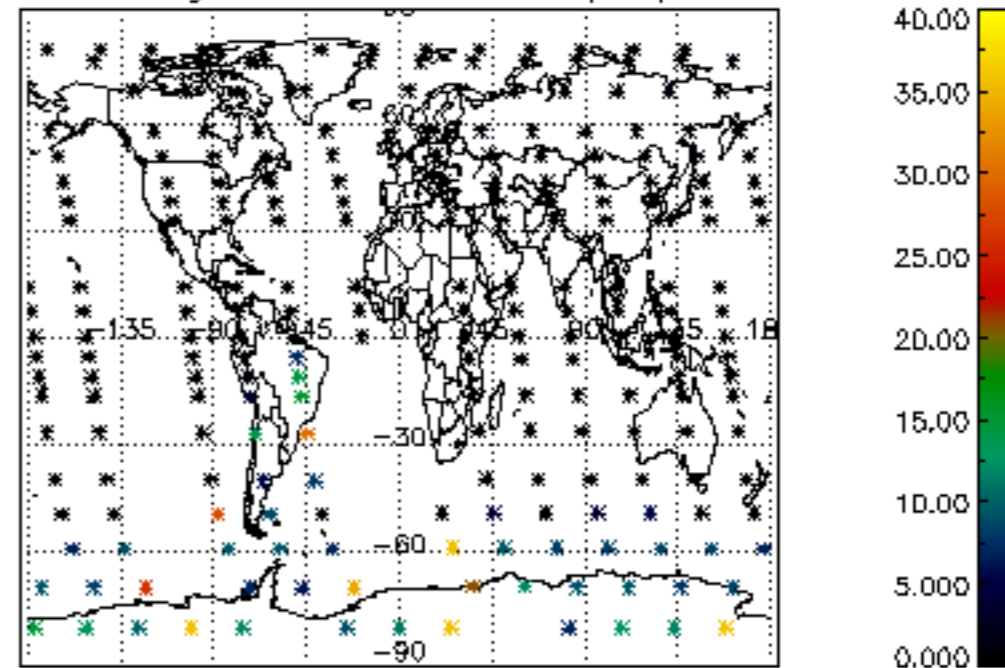
Percentage of datation errors per profile



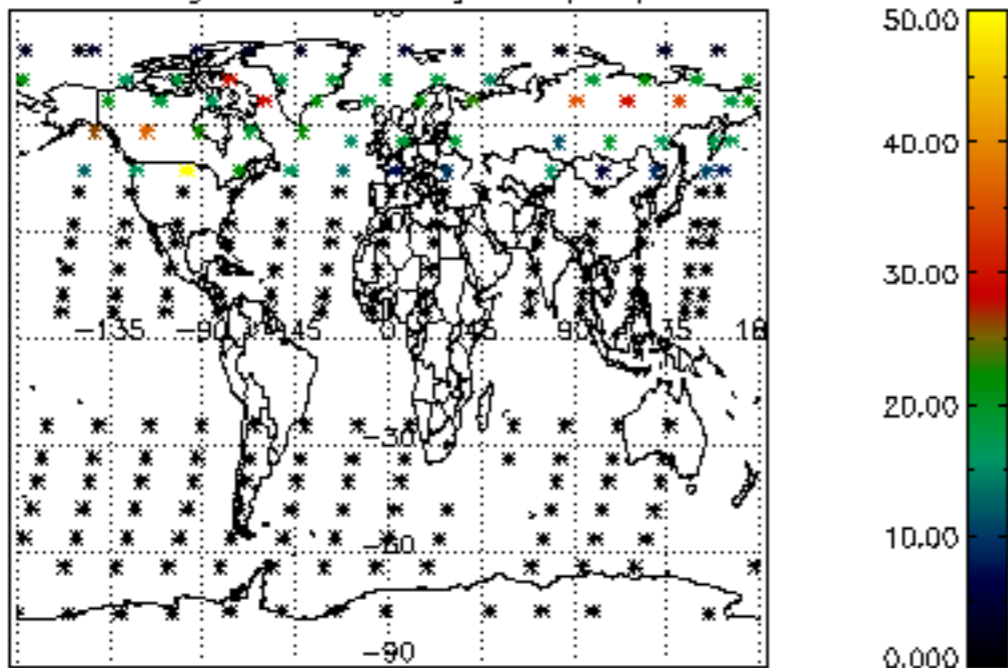
Percentage of star falling outside central band per profile



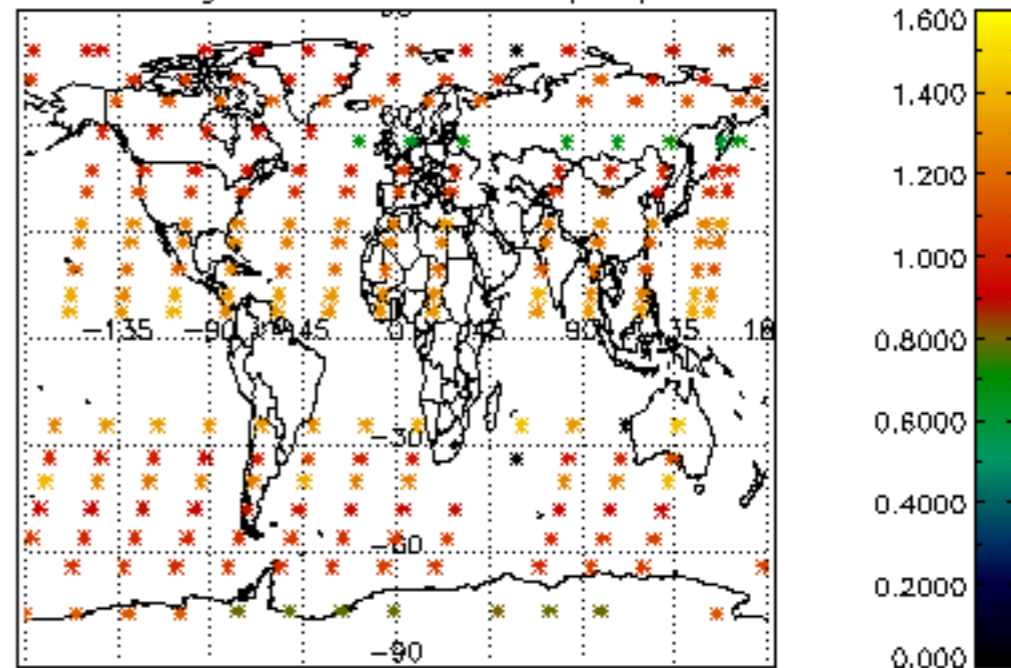
Percentage of saturation errors per profile



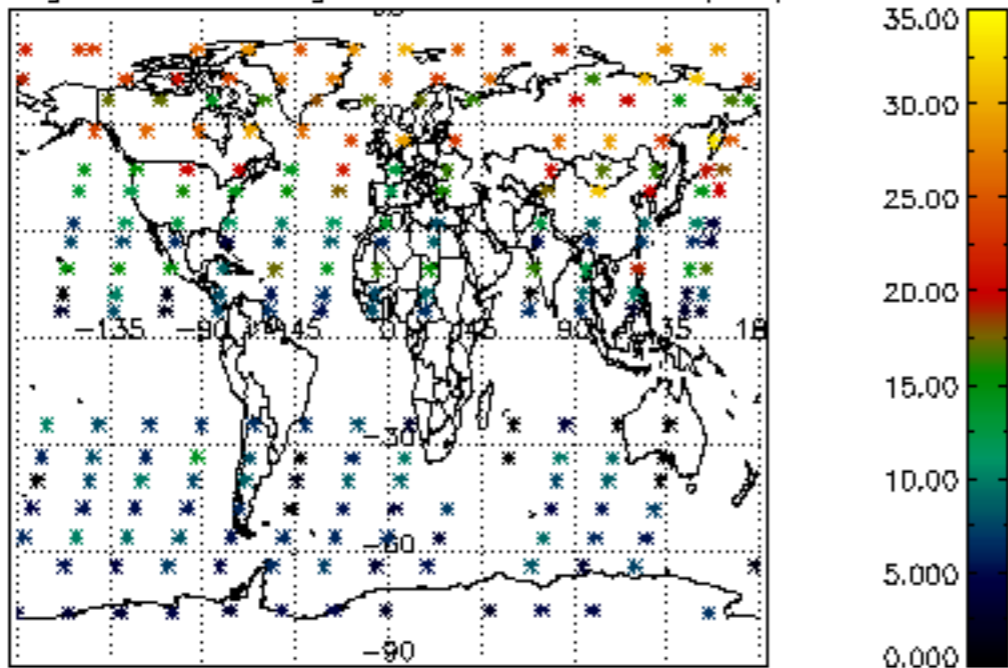
Percentage of cosmic ray hits per profile



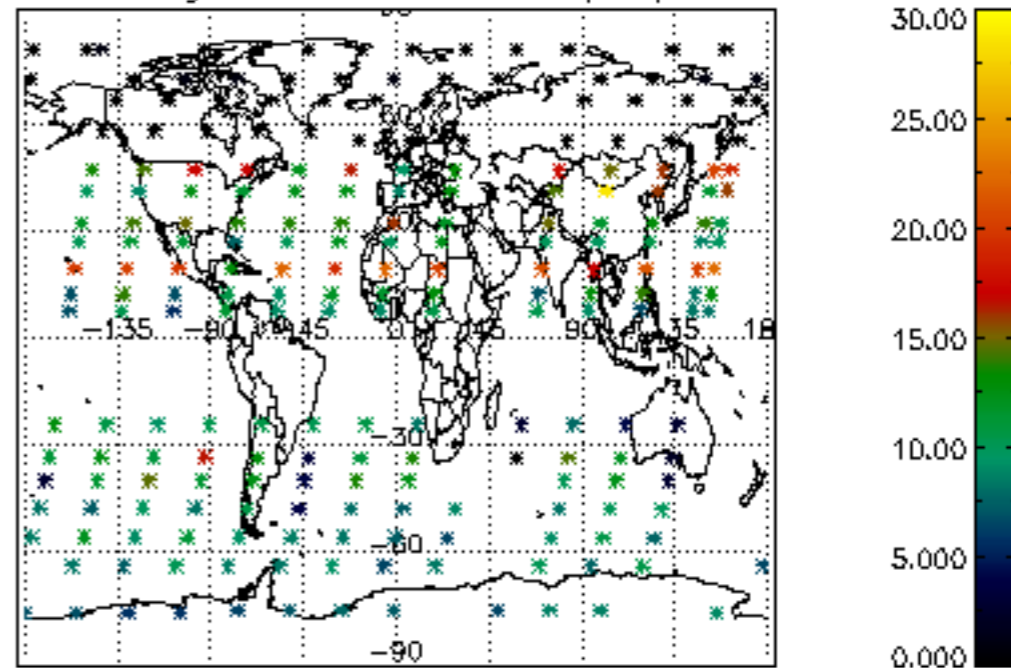
Percentage of datation errors per profile

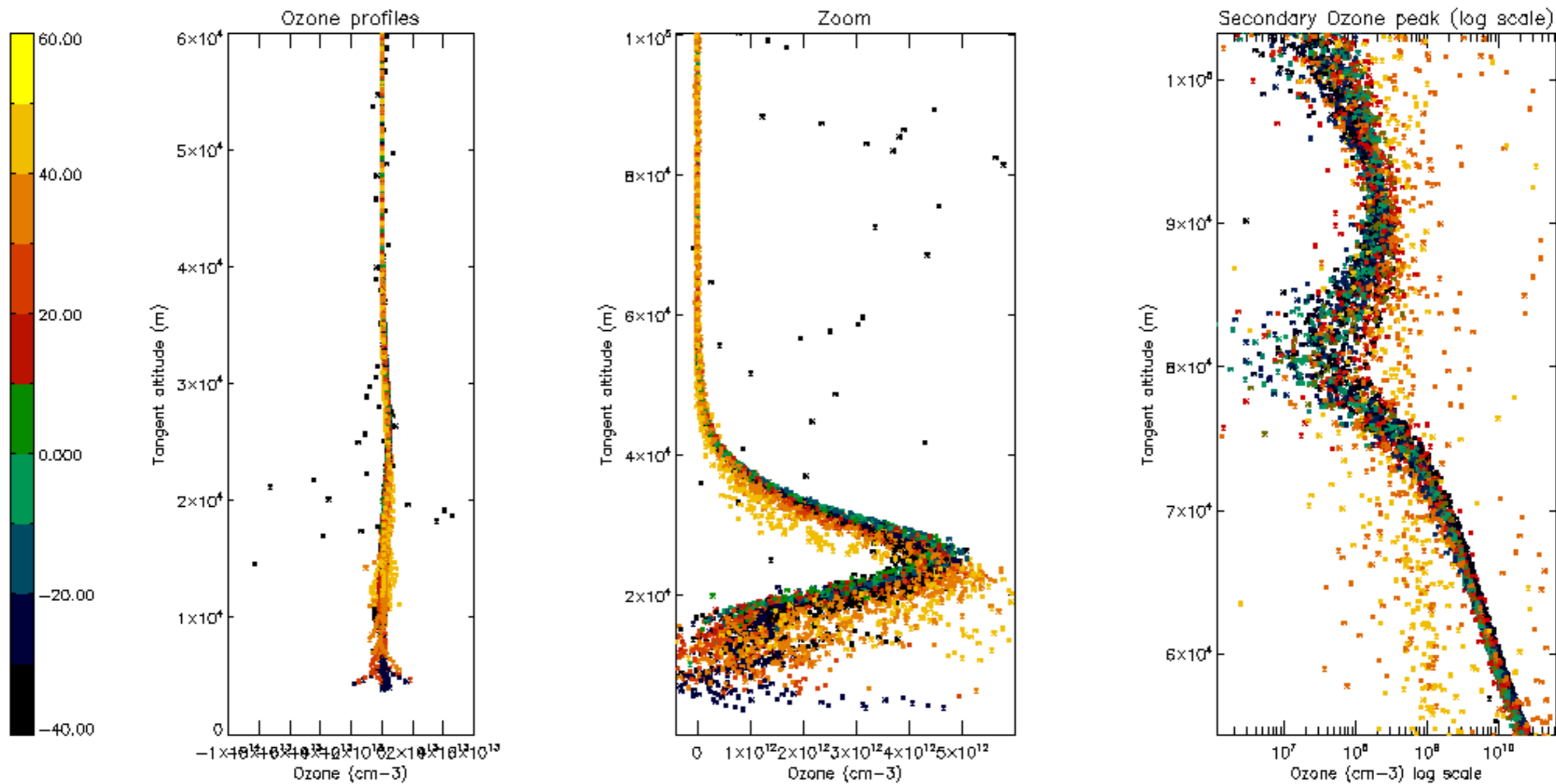


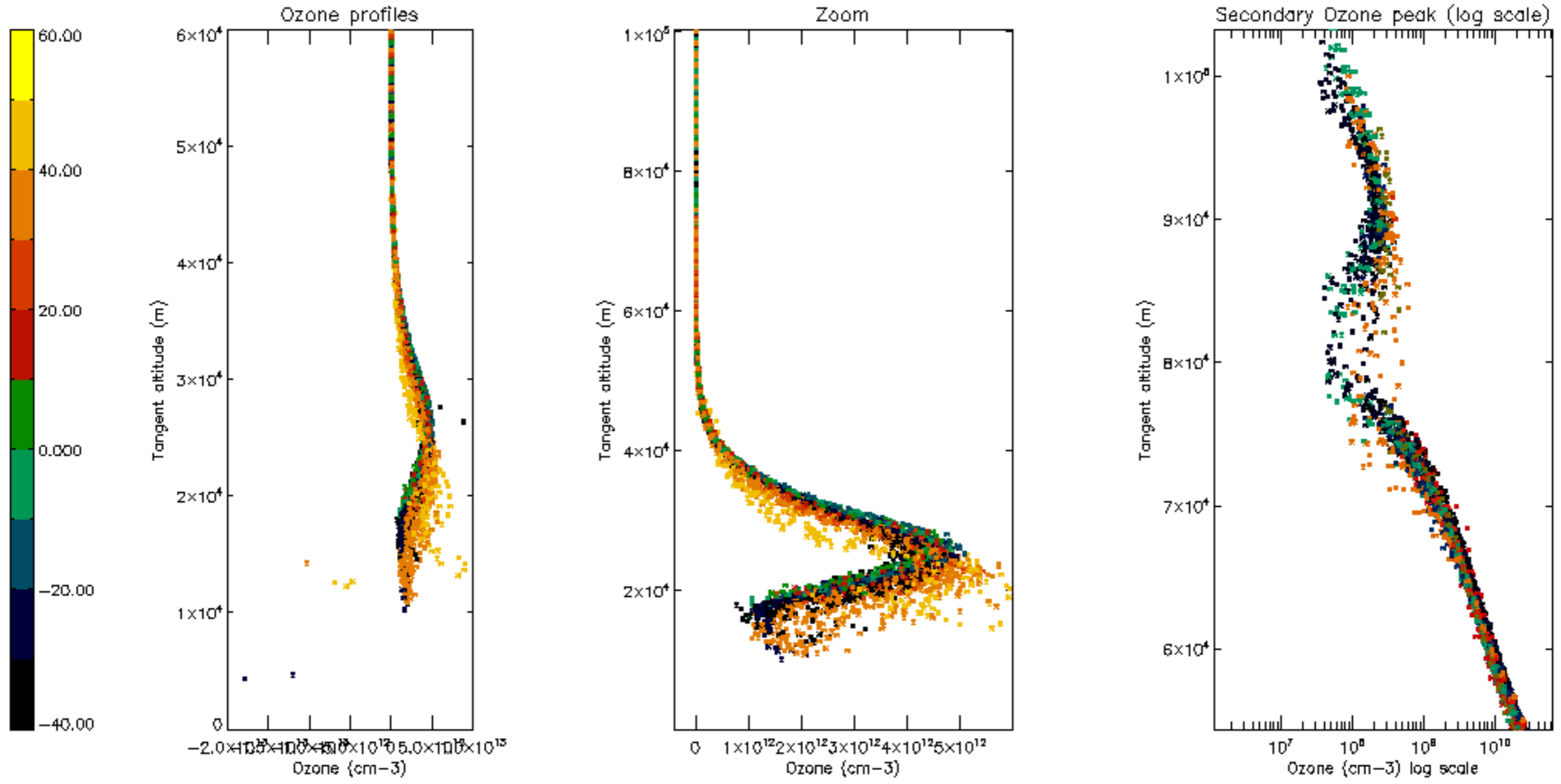
Percentage of star falling outside central band per profile

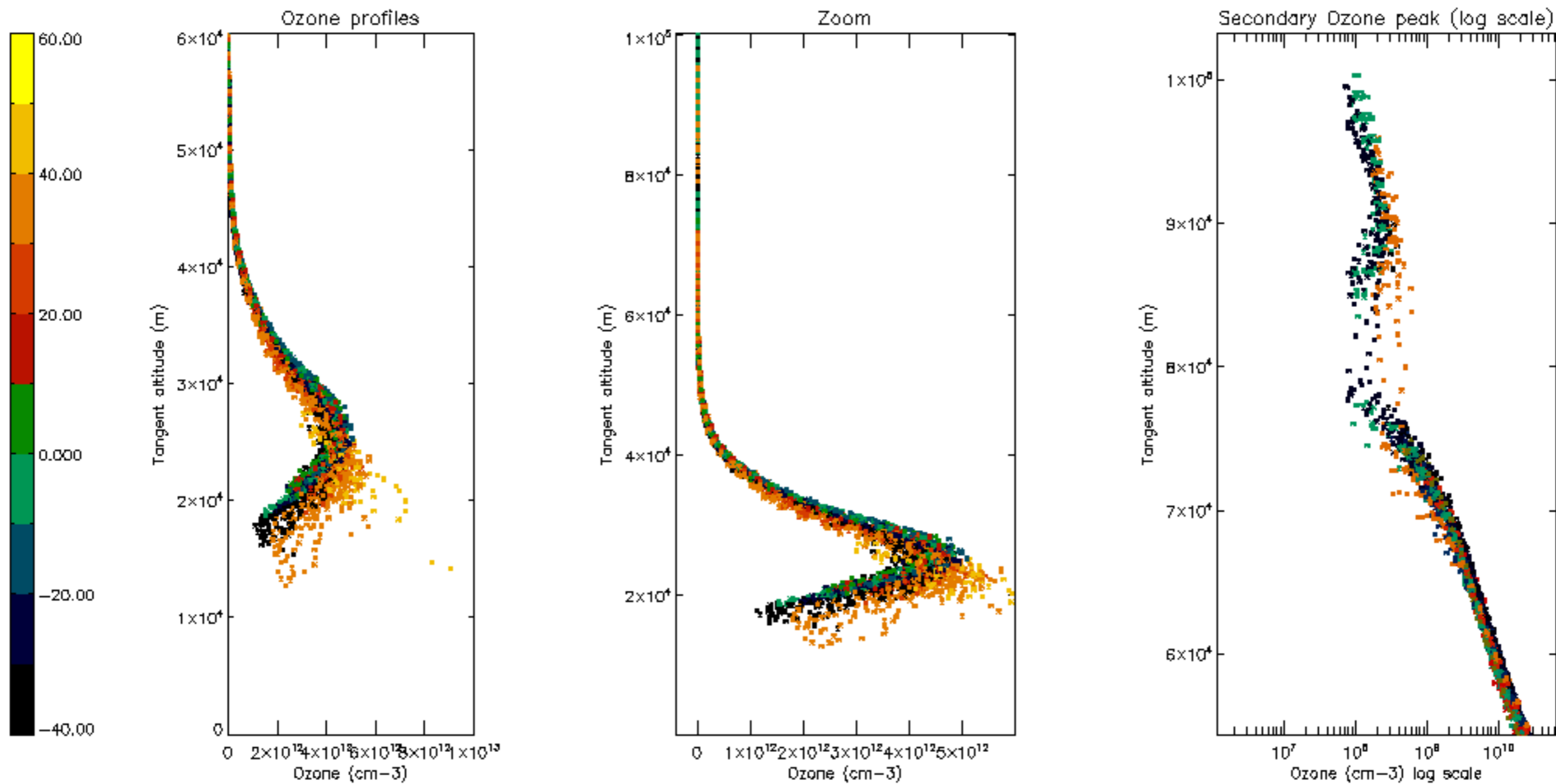


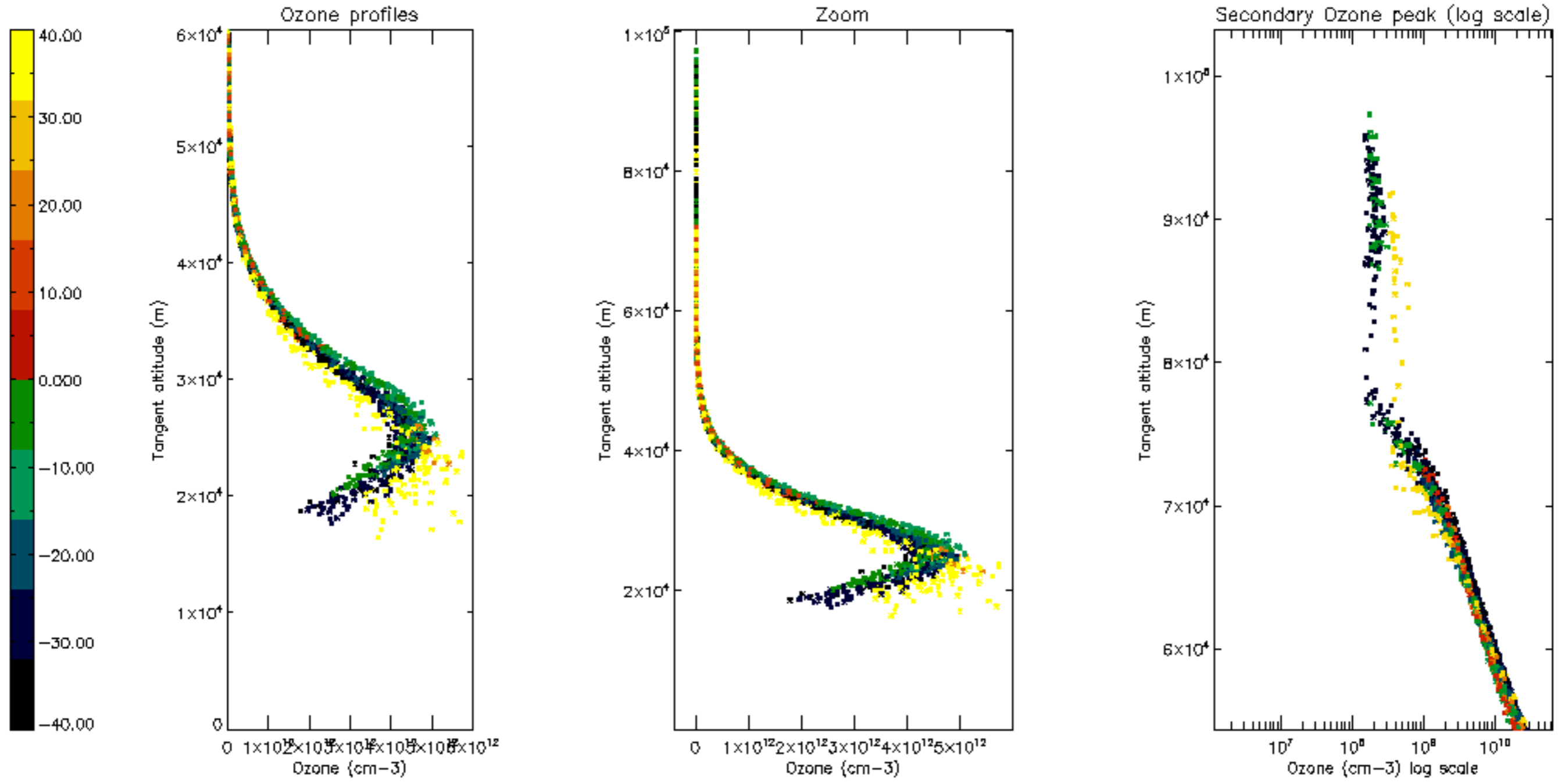
Percentage of saturation errors per profile

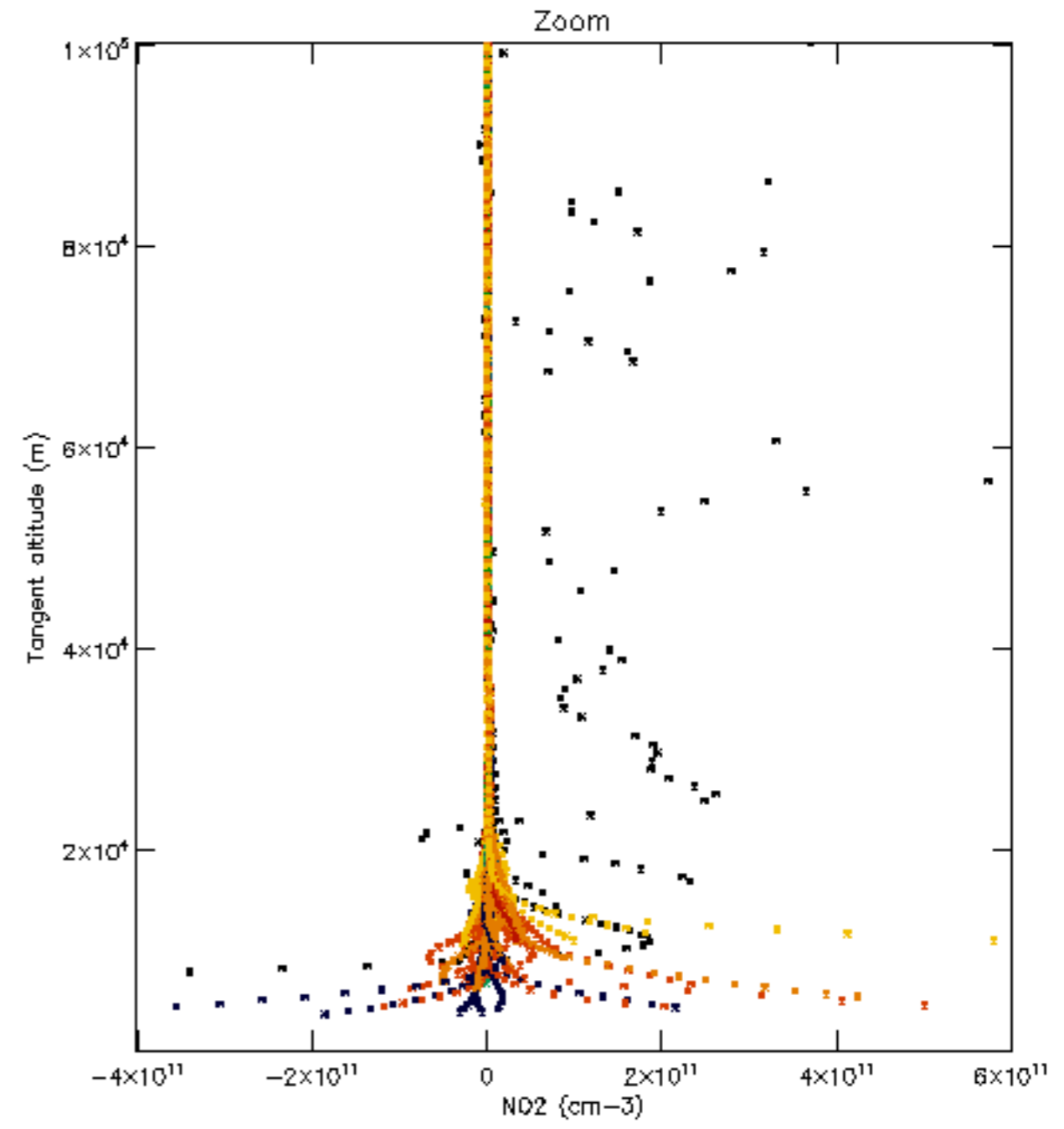
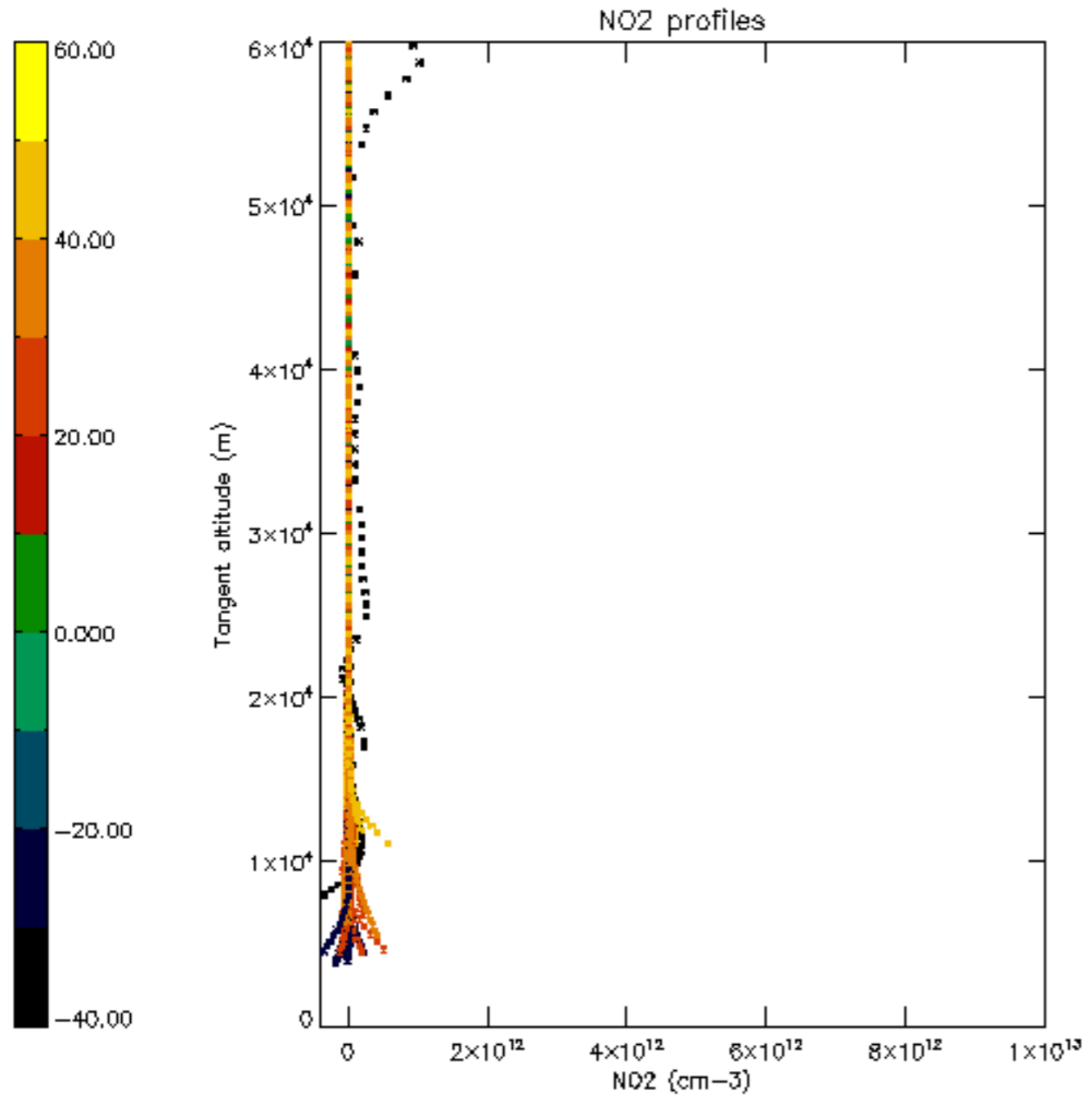


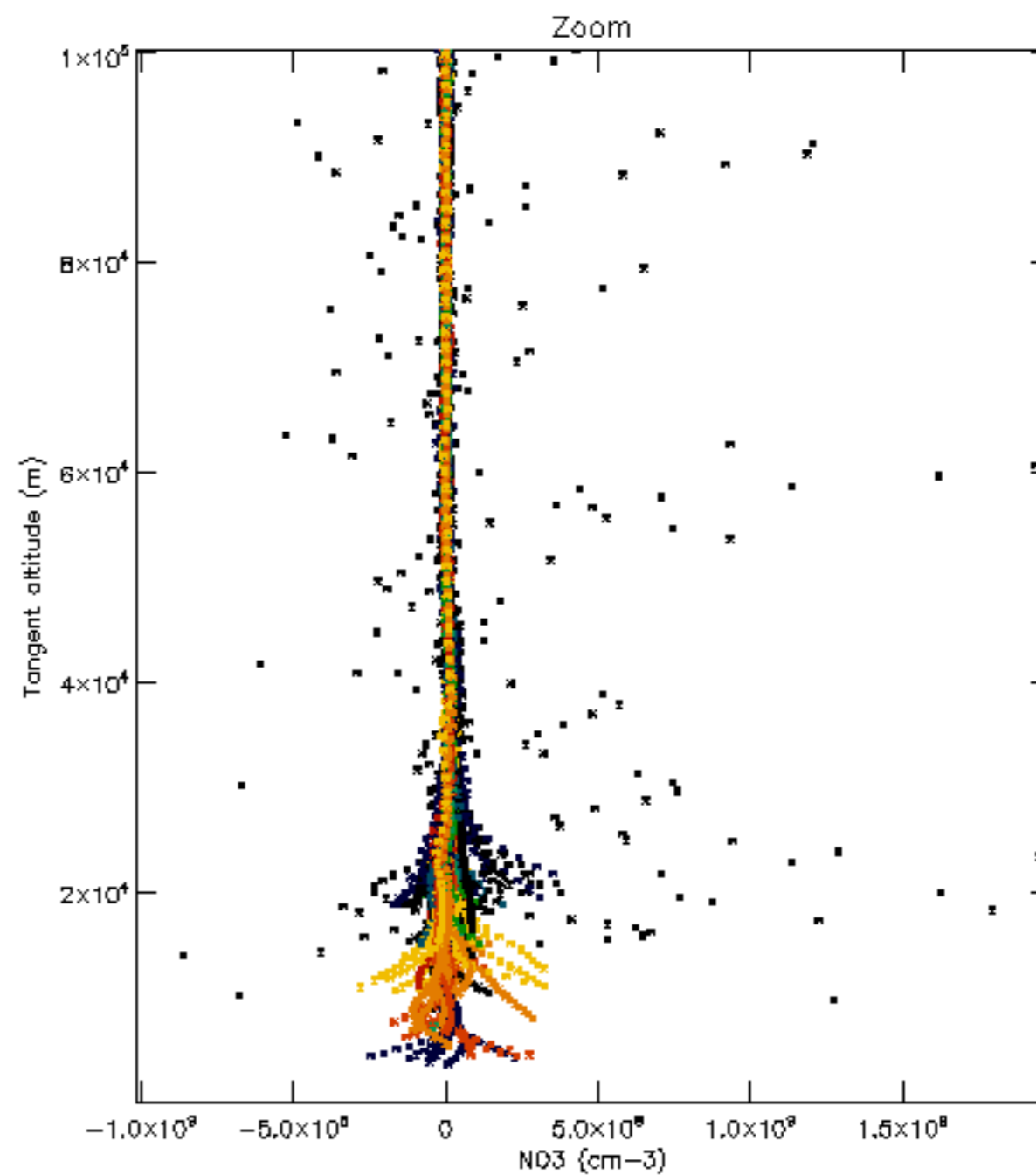
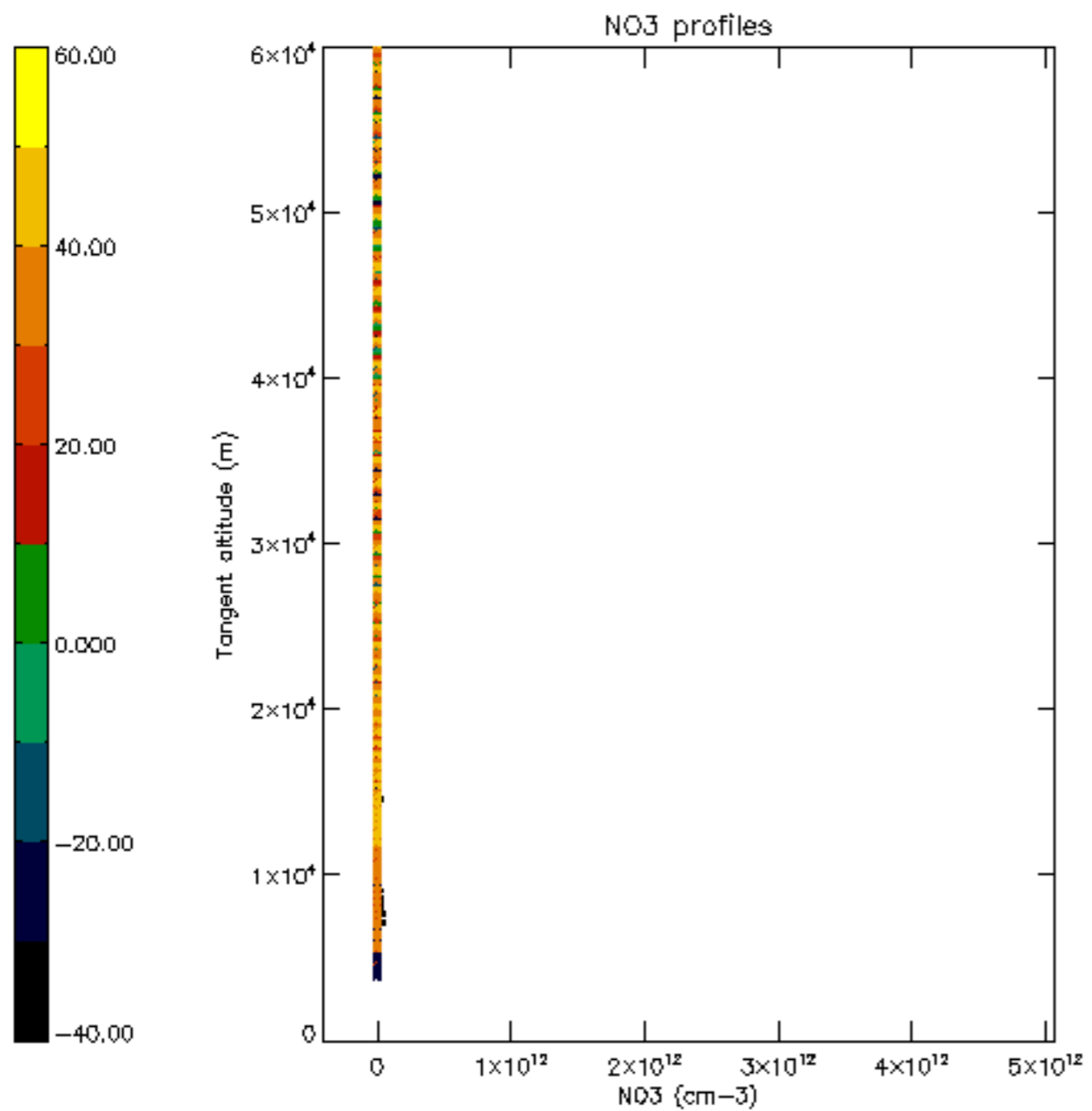


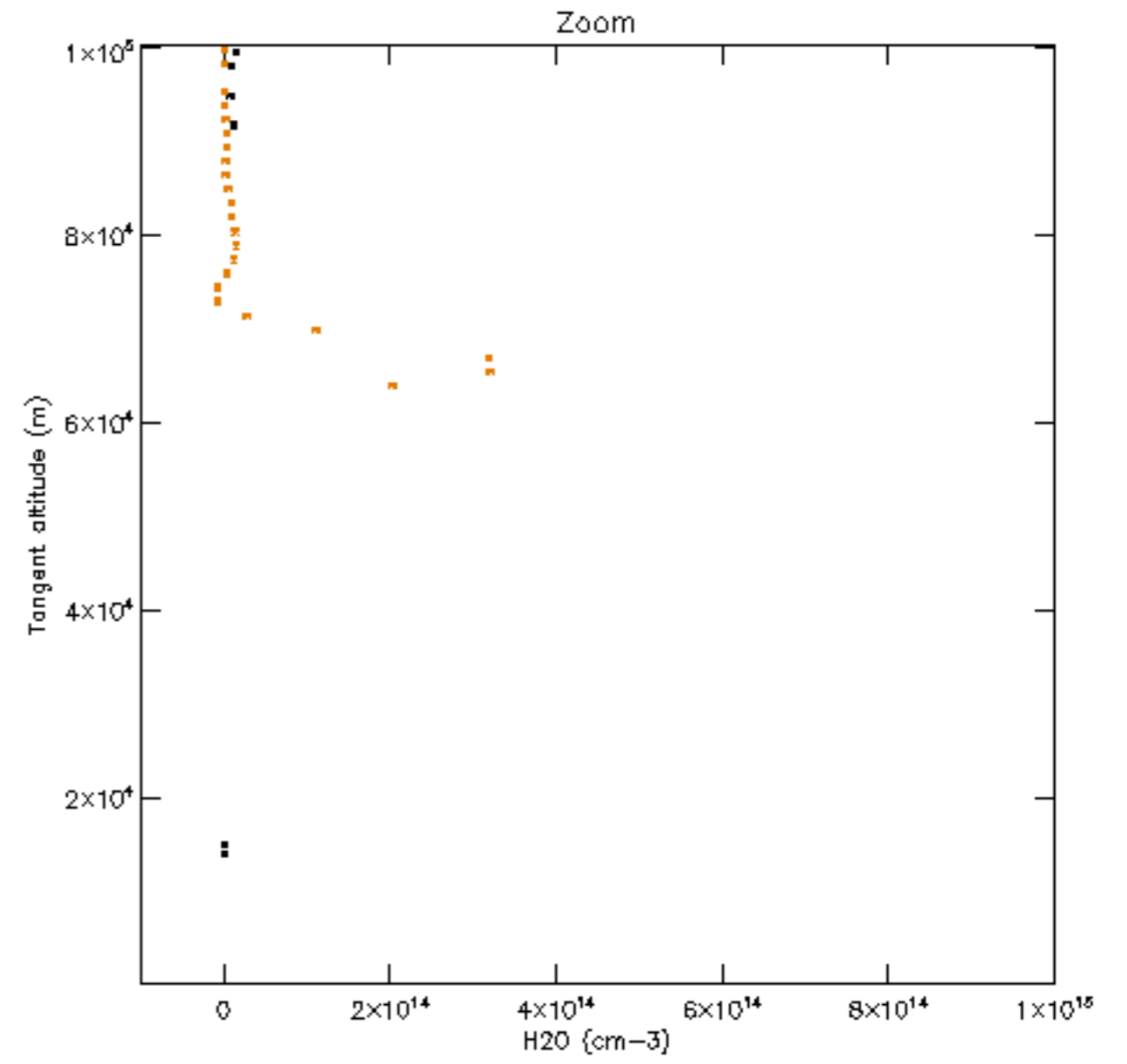
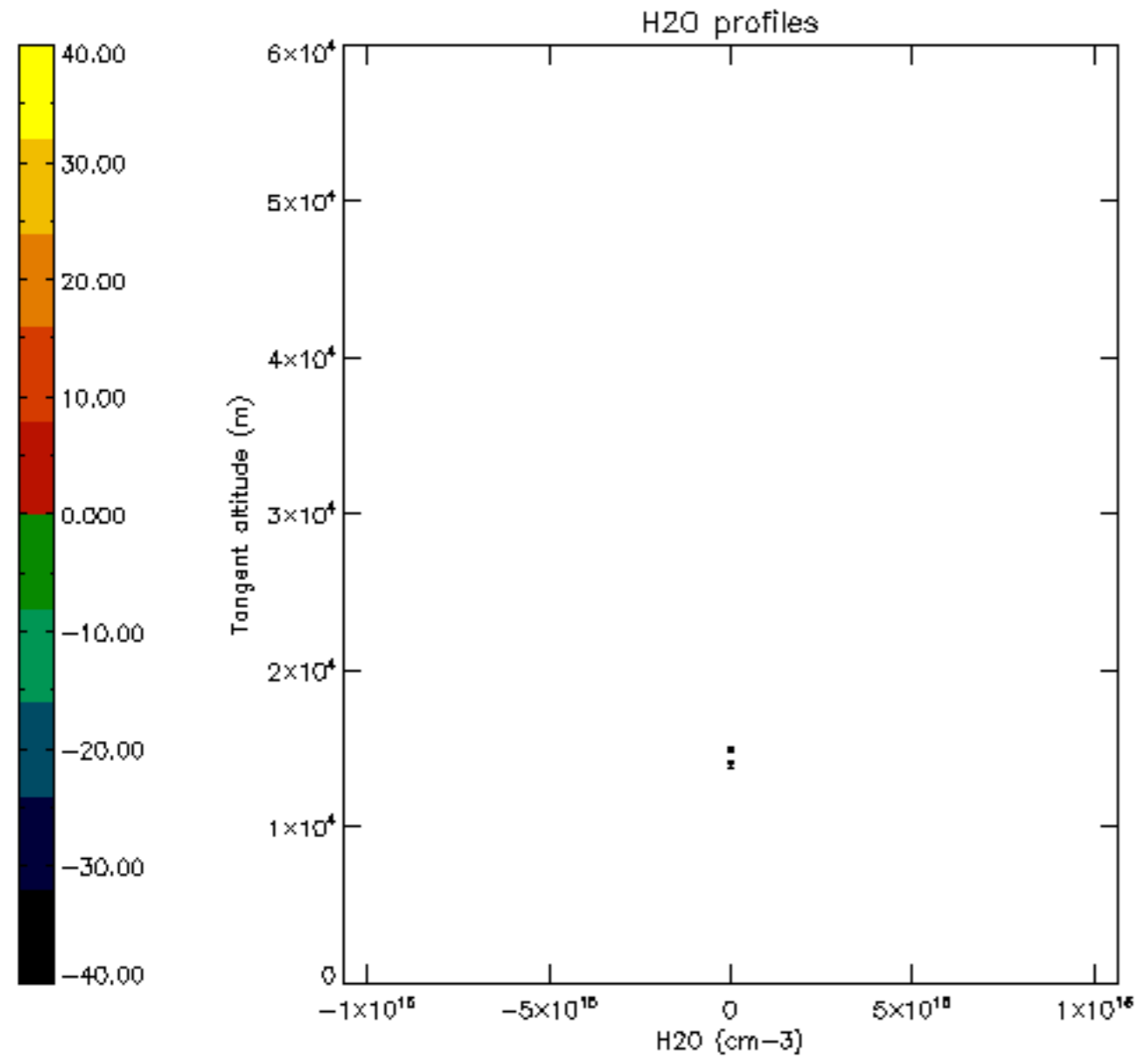


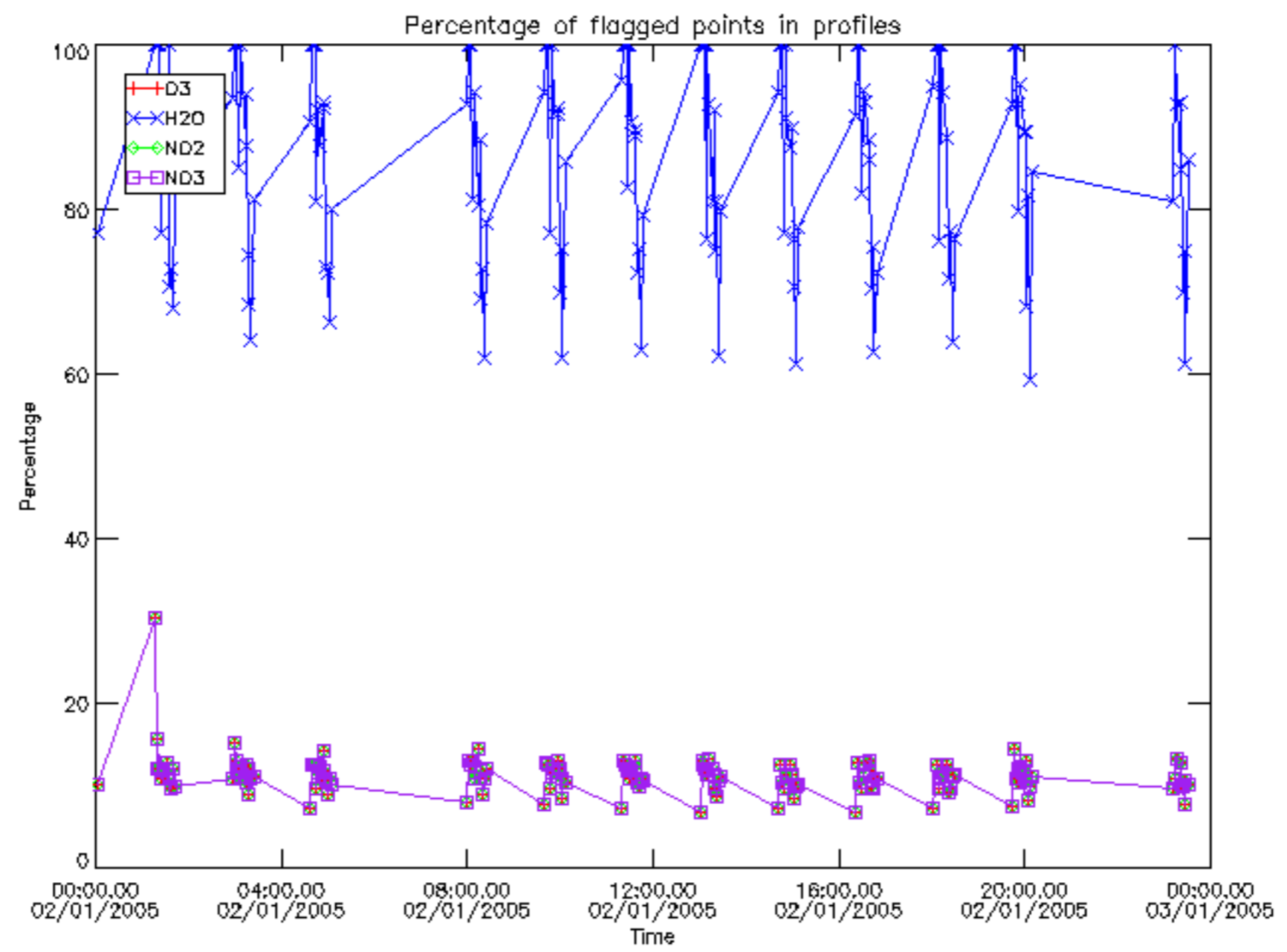




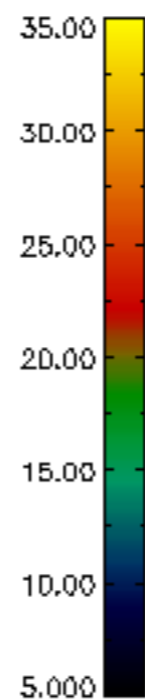
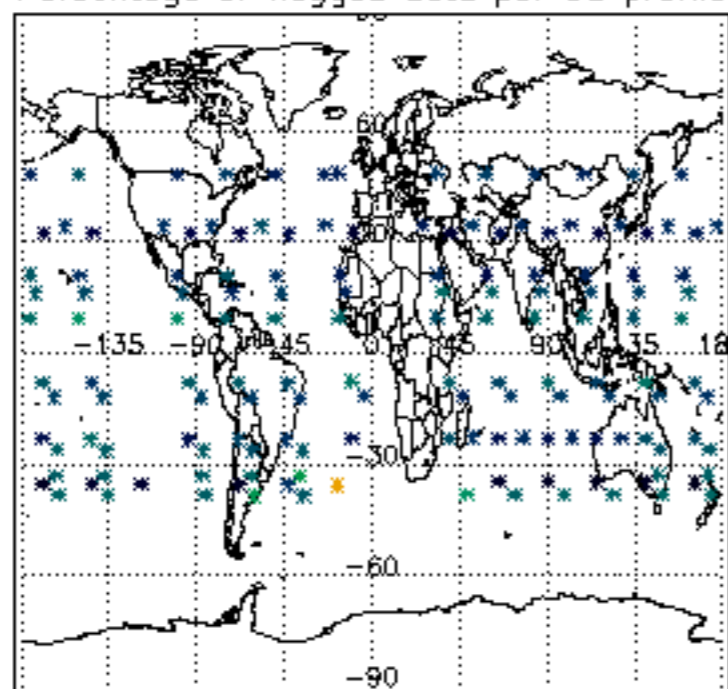




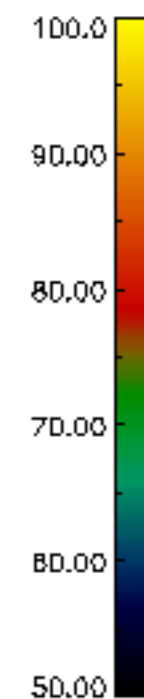
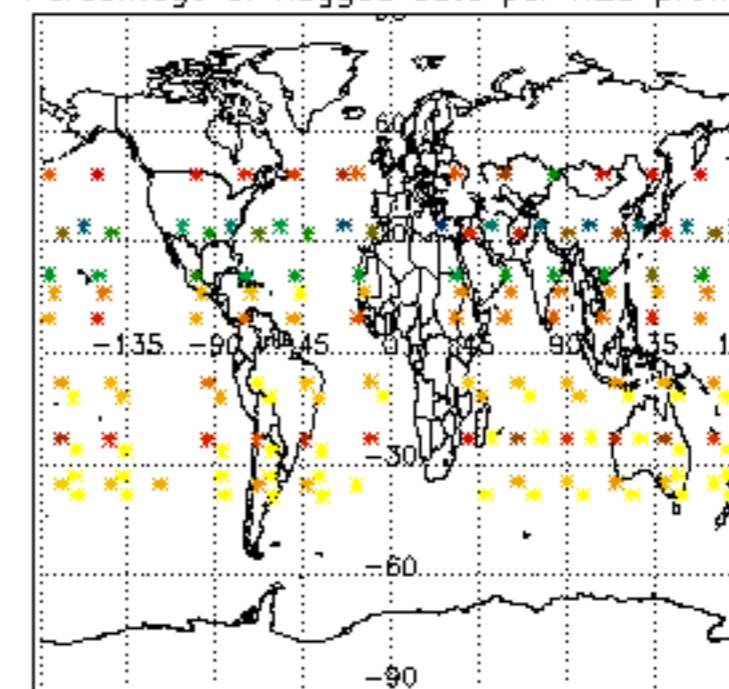




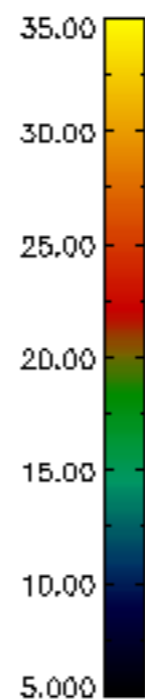
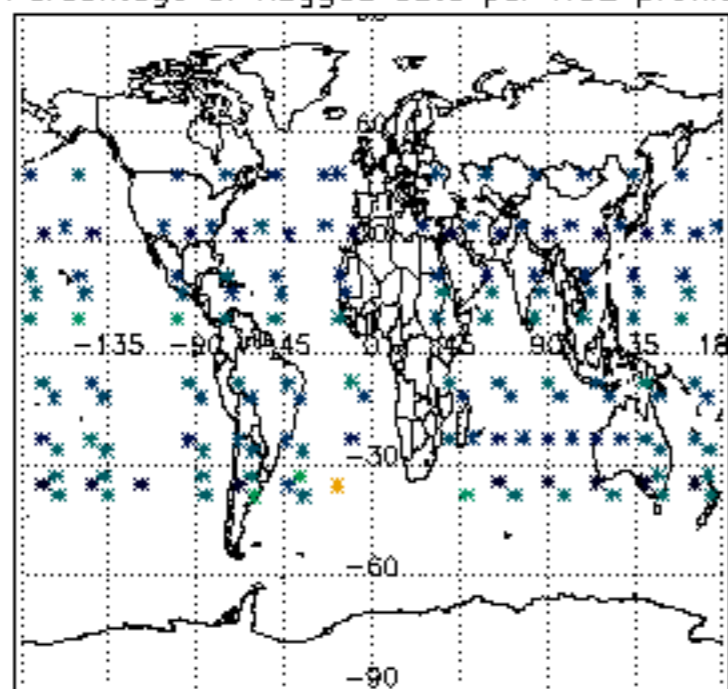
Percentage of flagged data per D3 profile



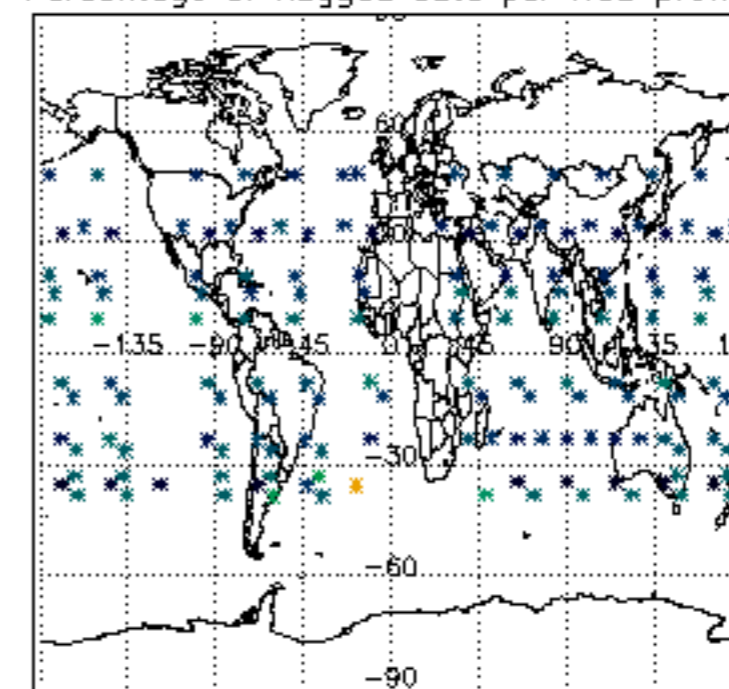
Percentage of flagged data per H2O profile

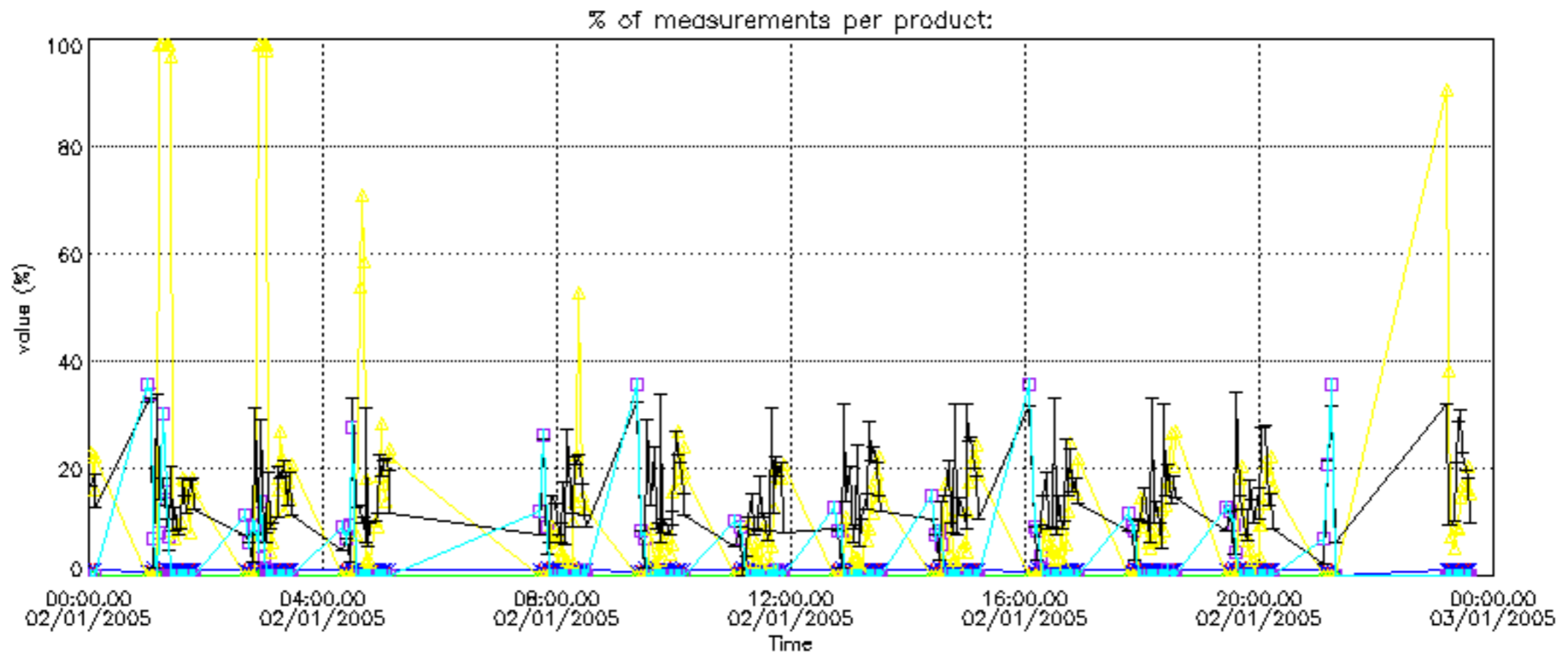


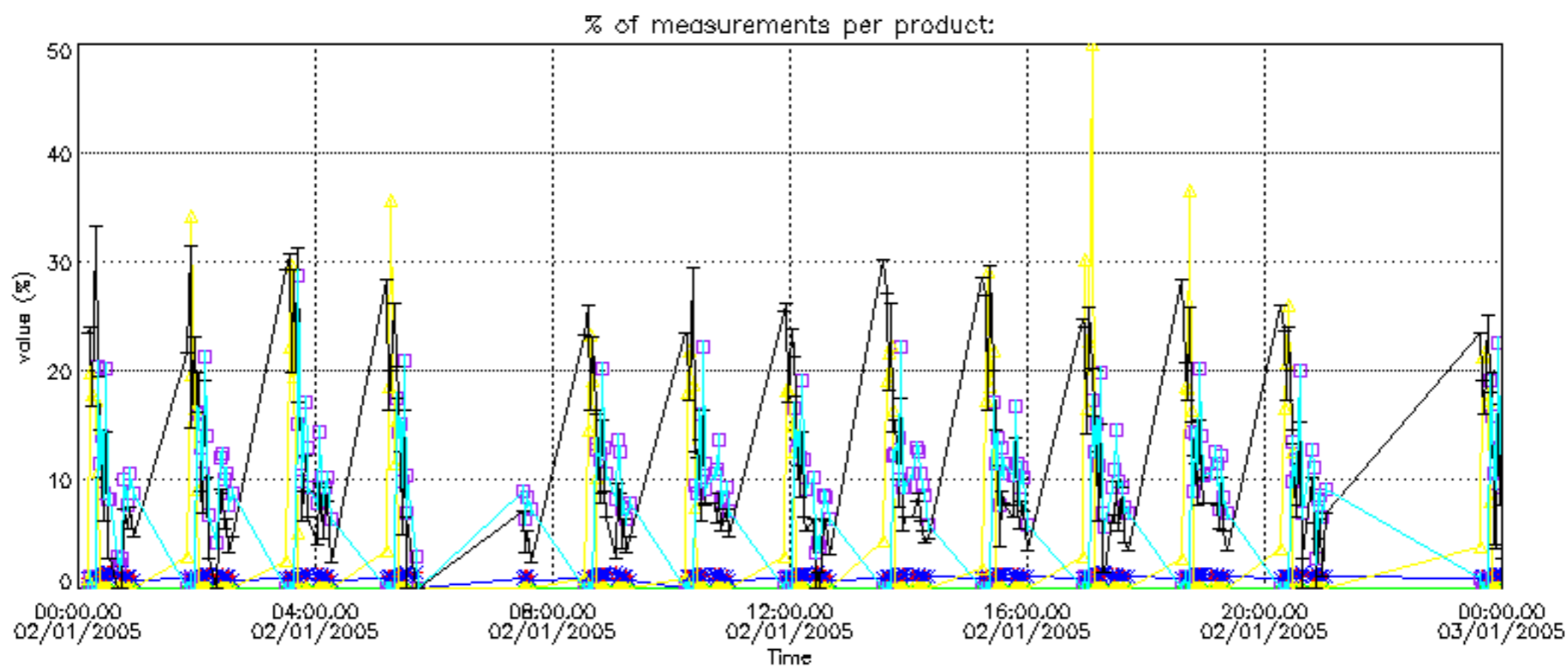
Percentage of flagged data per NO2 profile



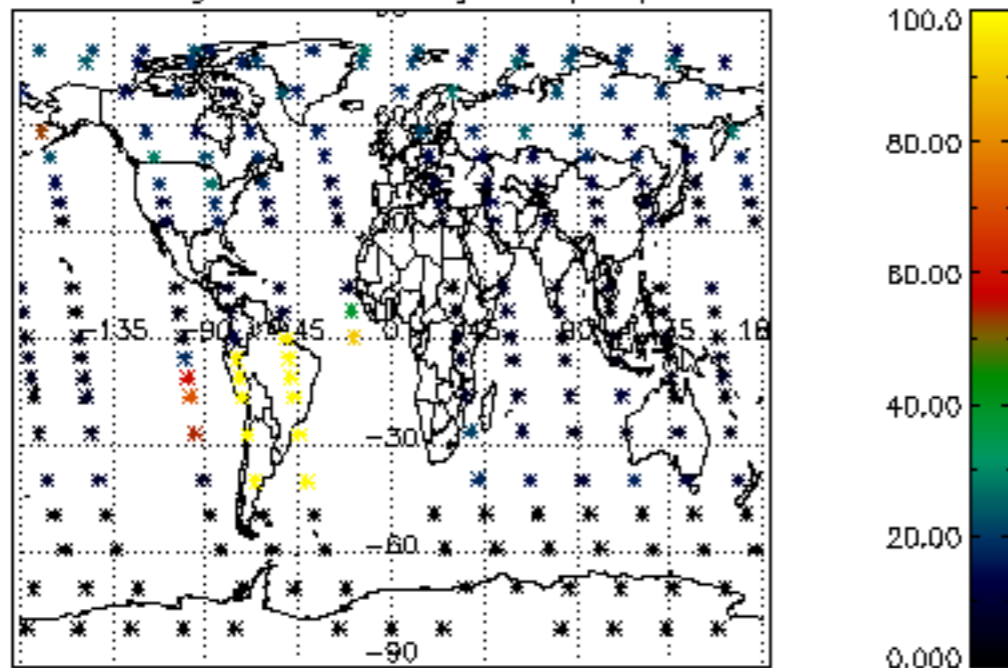
Percentage of flagged data per NO3 profile



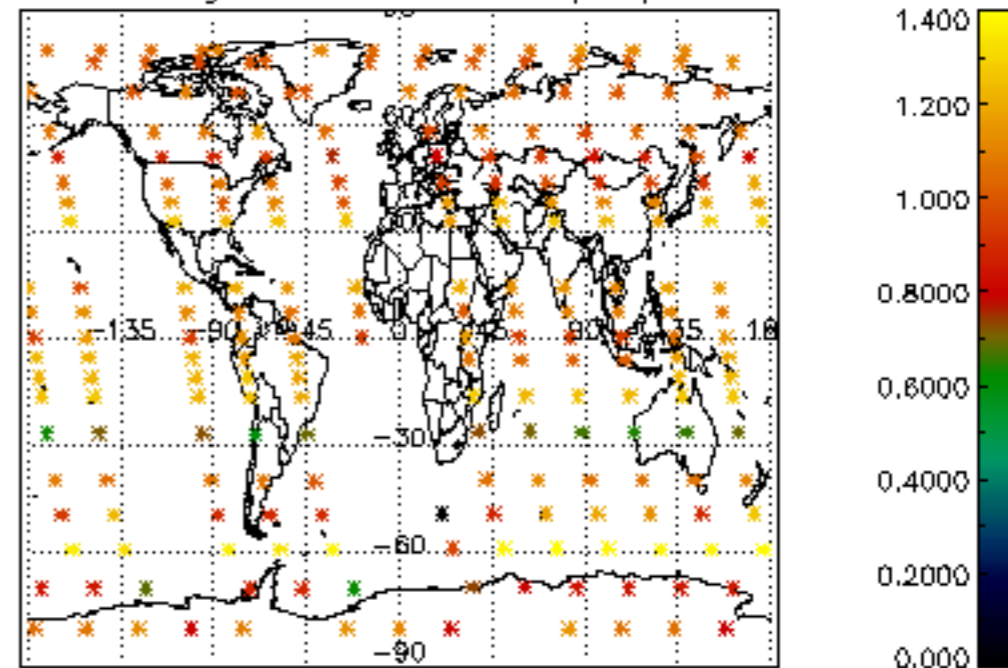




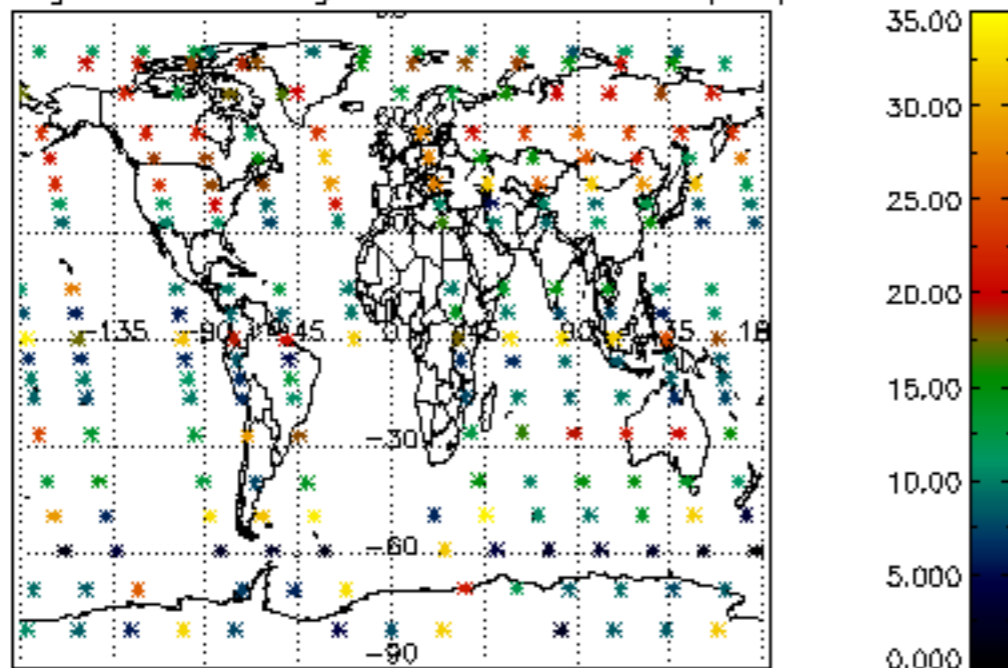
Percentage of cosmic ray hits per profile



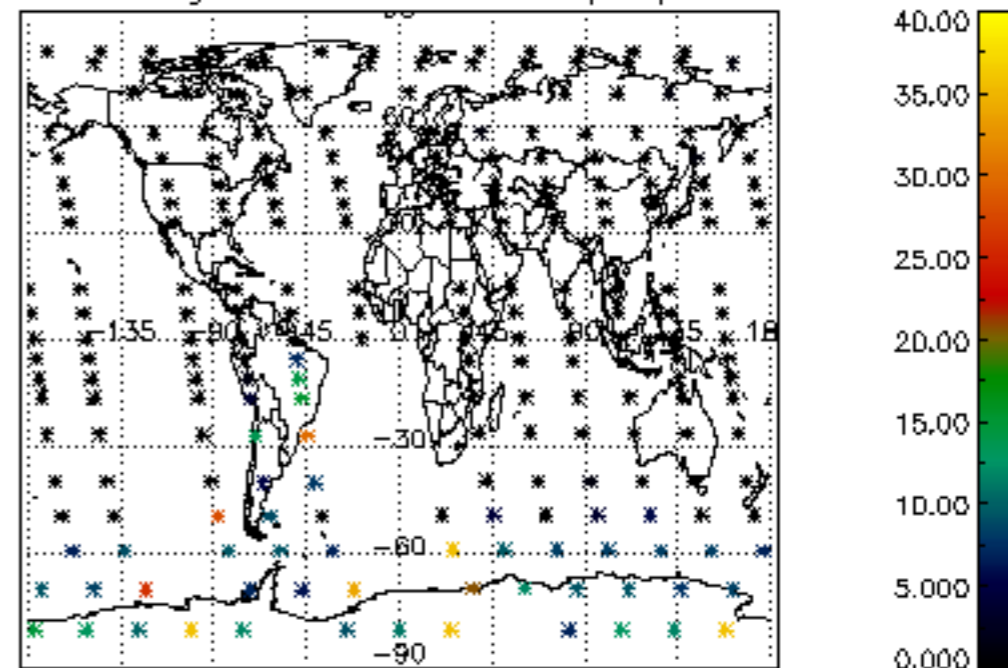
Percentage of datation errors per profile



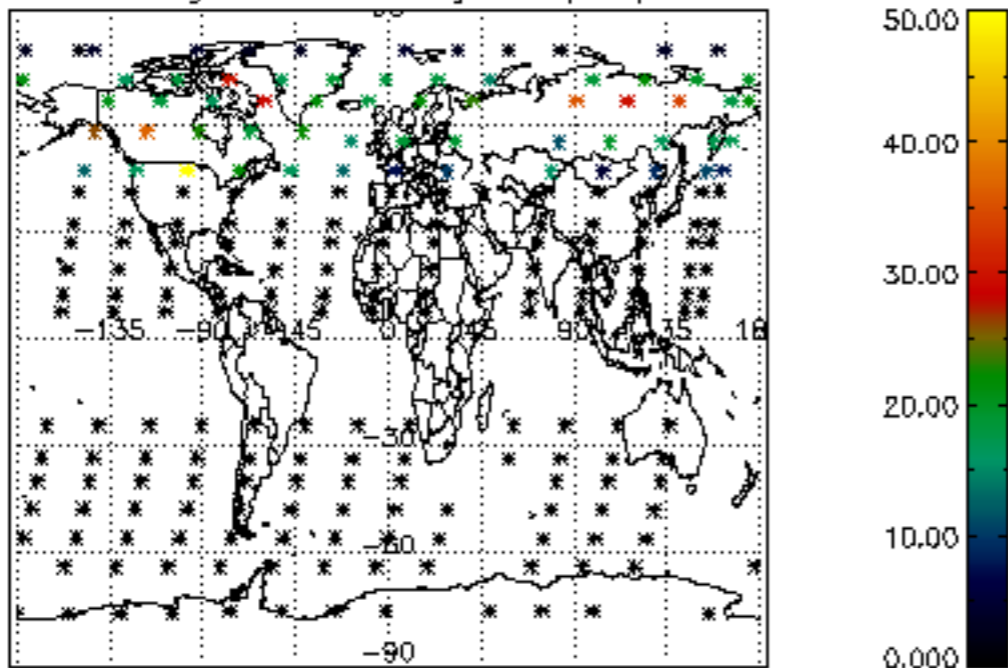
Percentage of star falling outside central band per profile



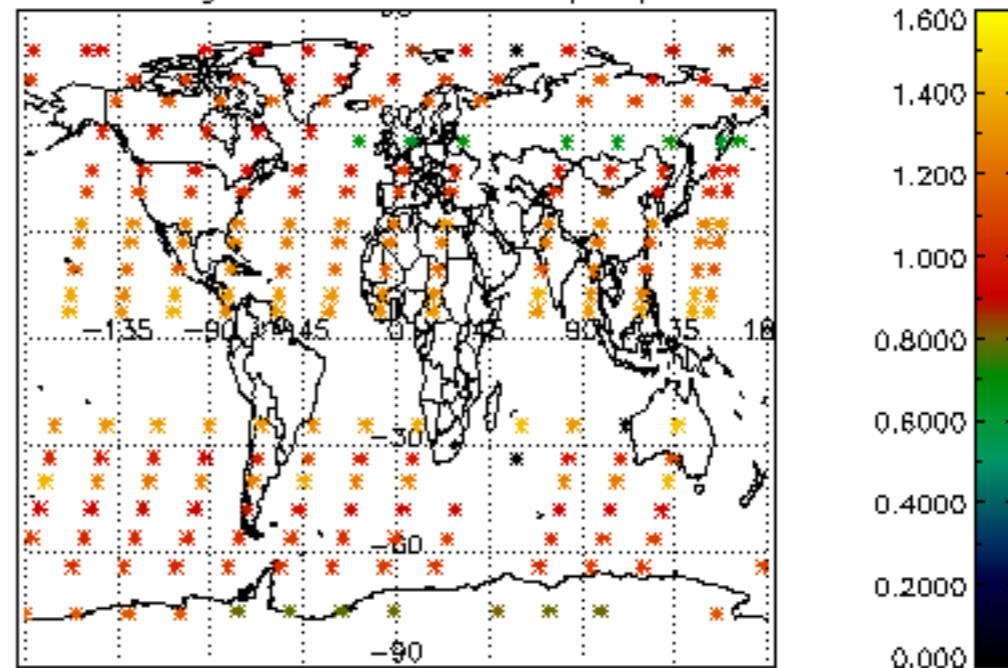
Percentage of saturation errors per profile



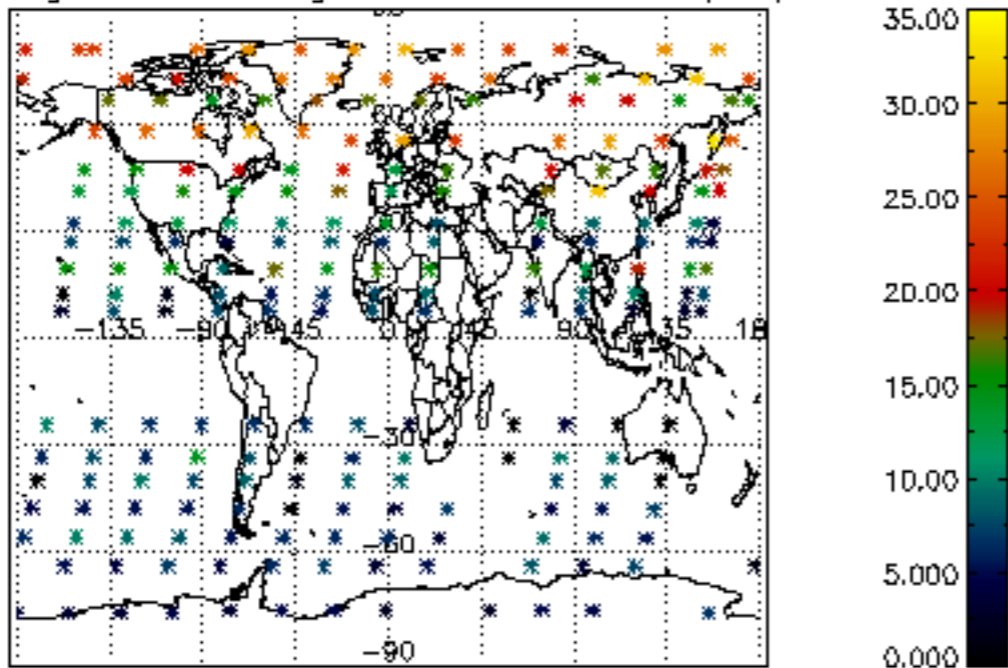
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

