

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	24APR2013 16:56:58
Data source version	GOMOS/6.01
Start time of products	02-01-2008 (02JAN2008 00:00:00)
Stop time of products	03-01-2008 (03JAN2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	405
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

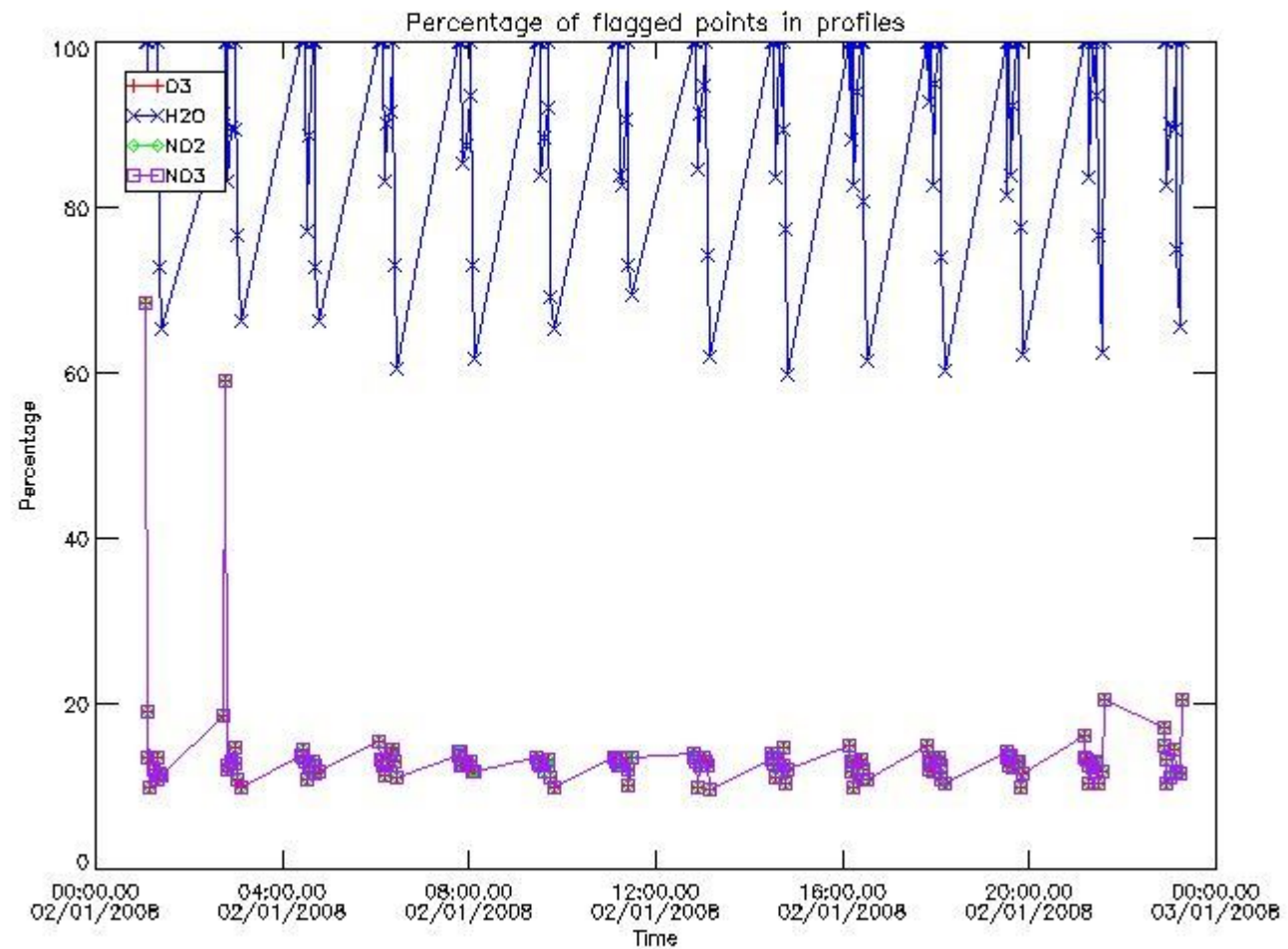
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20080102_000229_000000552064_00417_30531_5110.N1	02-JAN-2008 00:02:29	Twilight	55.000	14	58Alp Ori	0.87000	3000.0	110	30531	No
2	GOM_NL__2PRFIN20080102_000519_000000522064_00417_30531_5111.N1	02-JAN-2008 00:05:19	Bright	52.000	13	87Alp Tau	0.86700	3800.0	104	30531	No
3	GOM_NL__2PRFIN20080102_000833_000000392064_00417_30531_5112.N1	02-JAN-2008 00:08:33	Bright	38.500	28	12Bet Tau	1.6500	15200.	77	30531	No
4	GOM_NL__2PRFIN20080102_000949_000000382064_00417_30531_5113.N1	02-JAN-2008 00:09:49	Bright	37.500	114	3Iot Aur	2.6930	4600.0	75	30531	No
5	GOM_NL__2PRFIN20080102_001329_000000422064_00417_30531_5114.N1	02-JAN-2008 00:13:29	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	30531	No
6	GOM_NL__2PRFIN20080102_002540_000000322064_00417_30531_5115.N1	02-JAN-2008 00:25:40	Bright	32.000	49	1Alp UMi	1.9900	6300.0	64	30531	No
7	GOM_NL__2PRFIN20080102_003007_000000342064_00417_30531_5116.N1	02-JAN-2008 00:30:07	Bright	33.500	60	7Bet UMi	2.0810	3950.0	67	30531	No
8	GOM_NL__2PRFIN20080102_003359_000000362064_00417_30531_5117.N1	02-JAN-2008 00:33:59	Bright	35.500	119	14Eta Dra	2.7270	4700.0	71	30531	No
9	GOM_NL__2PRFIN20080102_003606_000000362064_00417_30531_5118.N1	02-JAN-2008 00:36:06	Bright	35.500	130	23Bet Dra	2.7990	5800.0	71	30531	No
10	GOM_NL__2PRFIN20080102_004219_000000342064_00417_30531_5119.N1	02-JAN-2008 00:42:19	Bright	33.500	133	40Zet Her	2.8070	6000.0	67	30531	No
11	GOM_NL__2PRFIN20080102_004424_000000552064_00417_30531_5120.N1	02-JAN-2008 00:44:24	Bright	55.000	67	5Alp CrB	2.2210	11000.	110	30531	No
12	GOM_NL__2PRFIN20080102_005009_000000362064_00417_30531_5121.N1	02-JAN-2008 00:50:09	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	30531	No
13	GOM_NL__2PRFIN20080102_005228_000000342064_00417_30531_5122.N1	02-JAN-2008 00:52:28	Bright	34.000	120	1Del Oph	2.7340	3200.0	68	30531	No
14	GOM_NL__2PRFIN20080102_005514_000000562064_00417_30531_5123.N1	02-JAN-2008 00:55:14	Bright	56.000	104	27Bet Lib	2.6140	13100.	112	30531	No
15	GOM_NL__2PRFIN20080102_005754_000000432064_00417_30531_5124.N1	02-JAN-2008 00:57:54	Twilight	42.500	122	9Alp2Lib	2.7470	9700.0	85	30531	No
16	GOM_NL__2PRFIN20080102_010435_000000372064_00417_30531_5125.N1	02-JAN-2008 01:04:35	Dark	37.000	109	Bet Lup	2.6770	26000.	74	30531	No
17	GOM_NL__2PRFIN20080102_010604_000000382064_00417_30531_5126.N1	02-JAN-2008 01:06:04	Dark	38.000	78	Alp Lup	2.3040	28000.	76	30531	No
18	GOM_NL__2PRFIN20080102_010733_000000402064_00417_30531_5127.N1	02-JAN-2008 01:07:33	Dark	40.000	95	Zet Cen	2.5450	26000.	80	30531	No
19	GOM_NL__2PRFIN20080102_010914_000000522064_00418_30532_5169.N1	02-JAN-2008 01:09:14	Dark	52.000	4	Alp1Cen	-0.010000	5800.0	104	30532	No
20	GOM_NL__2PRFIN20080102_011306_000000432064_00418_30532_5170.N1	02-JAN-2008 01:13:06	Dark	42.500	12	Alp1Cru	0.77500	30000.	85	30532	No
21	GOM_NL__2PRFIN20080102_011822_000000382064_00418_30532_5171.N1	02-JAN-2008 01:18:22	Dark	38.000	29	Bet Car	1.6720	10200.	76	30532	No
22	GOM_NL__2PRFIN20080102_011947_000000482064_00418_30532_5172.N1	02-JAN-2008 01:19:47	Dark	47.500	71	Iot Car	2.2460	7700.0	95	30532	No
23	GOM_NL__2PRFIN20080102_012121_000000452064_00418_30532_5173.N1	02-JAN-2008 01:21:21	Dark	44.500	41	Eps Car	1.8600	4100.0	89	30532	No
24	GOM_NL__2PRFIN20080102_012533_000000452064_00418_30532_5174.N1	02-JAN-2008 01:25:33	Dark	45.000	2	Alp Car	-0.73600	7000.0	90	30532	No
25	GOM_NL__2PRFIN20080102_013115_000000392064_00418_30532_5175.N1	02-JAN-2008 01:31:15	Straylight	39.000	108	Alp Col	2.6520	15200.	78	30532	No
26	GOM_NL__2PRFIN20080102_013523_000000442064_00418_30532_5176.N1	02-JAN-2008 01:35:23	Straylight	43.500	47	2Bet CMa	1.9760	28000.	87	30532	No
27	GOM_NL__2PRFIN20080102_013843_000000452064_00418_30532_5177.N1	02-JAN-2008 01:38:43	Straylight	44.500	7	19Bet Ori	0.10000	14000.	89	30532	No
28	GOM_NL__2PRFIN20080102_014034_000000422064_00418_30532_5178.N1	02-JAN-2008 01:40:34	Straylight	41.500	30	46Eps Ori	1.6940	30000.	83	30532	No
29	GOM_NL__2PRFIN20080102_014305_000000552064_00418_30532_5179.N1	02-JAN-2008 01:43:05	Twilight	55.000	14	58Alp Ori	0.87000	3000.0	110	30532	No
30	GOM_NL__2PRFIN20080102_014555_000000522064_00418_30532_5180.N1	02-JAN-2008 01:45:55	Bright	51.500	13	87Alp Tau	0.86700	3800.0	103	30532	No
31	GOM_NL__2PRFIN20080102_014909_000000392064_00418_30532_5181.N1	02-JAN-2008 01:49:09	Bright	38.500	28	12Bet Tau	1.6500	15200.	77	30532	No
32	GOM_NL__2PRFIN20080102_015025_000000382064_00418_30532_5182.N1	02-JAN-2008 01:50:25	Bright	38.000	114	3Iot Aur	2.6930	4600.0	76	30532	No
33	GOM_NL__2PRFIN20080102_015404_000000422064_00418_30532_5183.N1	02-JAN-2008 01:54:04	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	30532	No
34	GOM_NL__2PRFIN20080102_020616_000000352064_00418_30532_5184.N1	02-JAN-2008 02:06:16	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	30532	No
35	GOM_NL__2PRFIN20080102_021042_000000382064_00418_30532_5185.N1	02-JAN-2008 02:10:42	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	30532	No
36	GOM_NL__2PRFIN20080102_021434_000000372064_00418_30532_5186.N1	02-JAN-2008 02:14:34	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	30532	No
37	GOM_NL__2PRFIN20080102_021642_000000362064_00418_30532_5187.N1	02-JAN-2008 02:16:42	Bright	35.500	130	23Bet Dra	2.7990	5800.0	71	30532	No
38	GOM_NL__2PRFIN20080102_022256_000000402064_00418_30532_5188.N1	02-JAN-2008 02:22:56	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	30532	No
39	GOM_NL__2PRFIN20080102_022500_000000552064_00418_30532_5189.N1	02-JAN-2008 02:25:00	Bright	55.000	67	5Alp CrB	2.2210	11000.	110	30532	No
40	GOM_NL__2PRFIN20080102_023045_000000362064_00418_30532_5190.N1	02-JAN-2008 02:30:45	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	30532	No
41	GOM_NL__2PRFIN20080102_023304_000000342064_00418_30532_5191.N1	02-JAN-2008 02:33:04	Bright	33.500	120	1Del Oph	2.7340	3200.0	67	30532	No
42	GOM_NL__2PRFIN20080102_023550_000000412064_00418_30532_5192.N1	02-JAN-2008 02:35:50	Bright	40.500	104	27Bet Lib	2.6140	13100.	81	30532	No

397	GOM_NL__2PRFIN20080102_232632_000000472064_00431_30545_5367.N1	02-JAN-2008 23:26:32	Straylight	47.000	7	19Bet Ori	0.10000	14000.	94	30545	No
398	GOM_NL__2PRFIN20080102_232822_000000432064_00431_30545_5368.N1	02-JAN-2008 23:28:22	Straylight	42.500	30	46Eps Ori	1.6940	30000.	85	30545	No
399	GOM_NL__2PRFIN20080102_233051_000000542064_00431_30545_5369.N1	02-JAN-2008 23:30:51	Twl_and_stray	54.000	14	58Alp Ori	0.87000	3000.0	108	30545	No
400	GOM_NL__2PRFIN20080102_233344_000000492064_00431_30545_5370.N1	02-JAN-2008 23:33:44	Bright	48.500	13	87Alp Tau	0.86700	3800.0	97	30545	No
401	GOM_NL__2PRFIN20080102_233655_000000372064_00431_30545_5371.N1	02-JAN-2008 23:36:55	Bright	37.000	28	12Bet Tau	1.6500	15200.	74	30545	No
402	GOM_NL__2PRFIN20080102_233813_000000372064_00431_30545_5372.N1	02-JAN-2008 23:38:13	Bright	37.000	114	3lot Aur	2.6930	4600.0	74	30545	No
403	GOM_NL__2PRFIN20080102_234151_000000422064_00431_30545_5373.N1	02-JAN-2008 23:41:51	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	30545	No
404	GOM_NL__2PRFIN20080102_235403_000000332064_00431_30545_5374.N1	02-JAN-2008 23:54:03	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	30545	No
405	GOM_NL__2PRFIN20080102_235828_000000352064_00431_30545_5375.N1	02-JAN-2008 23:58:28	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	30545	No

3. Quality information per product

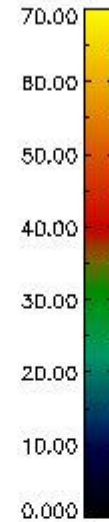
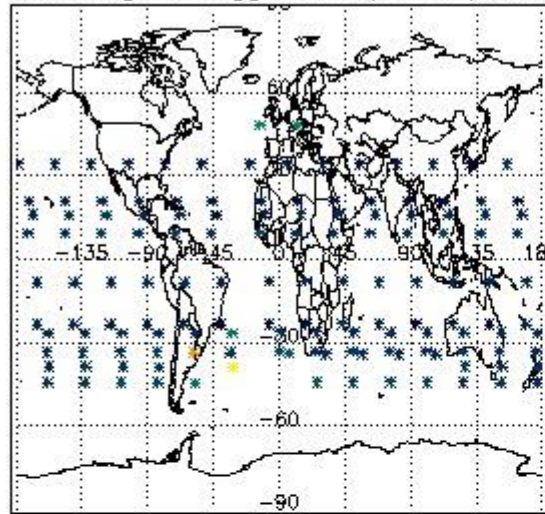
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

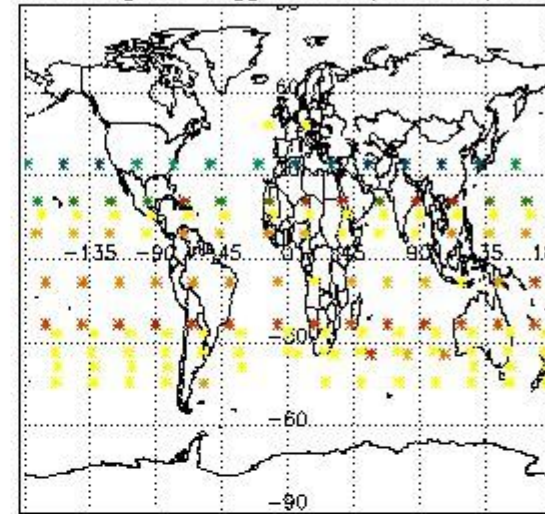


3.2 Plot quality information per product (world map)

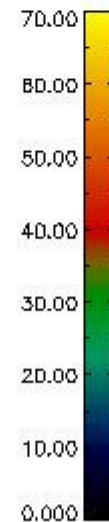
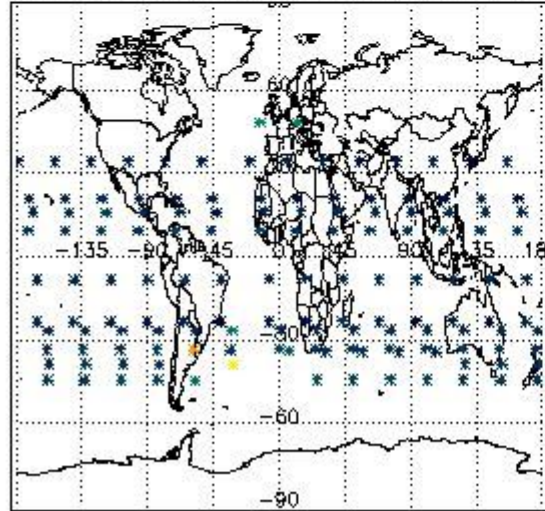
Percentage of flagged data per O3 profile



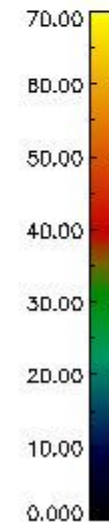
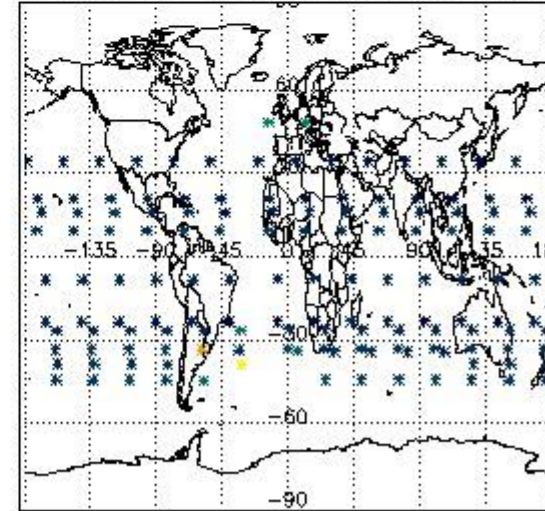
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

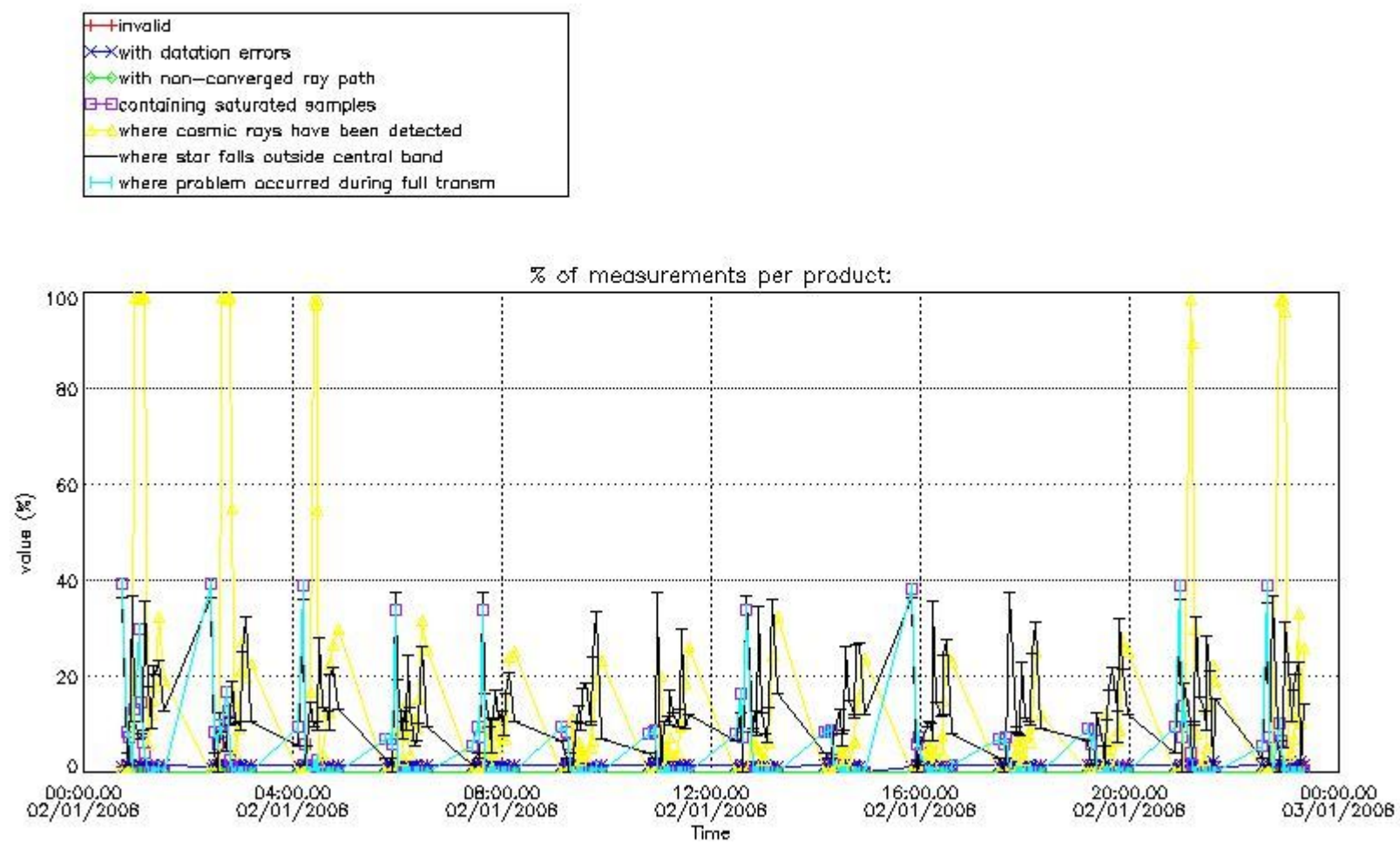


4. Level 1 quality information per product

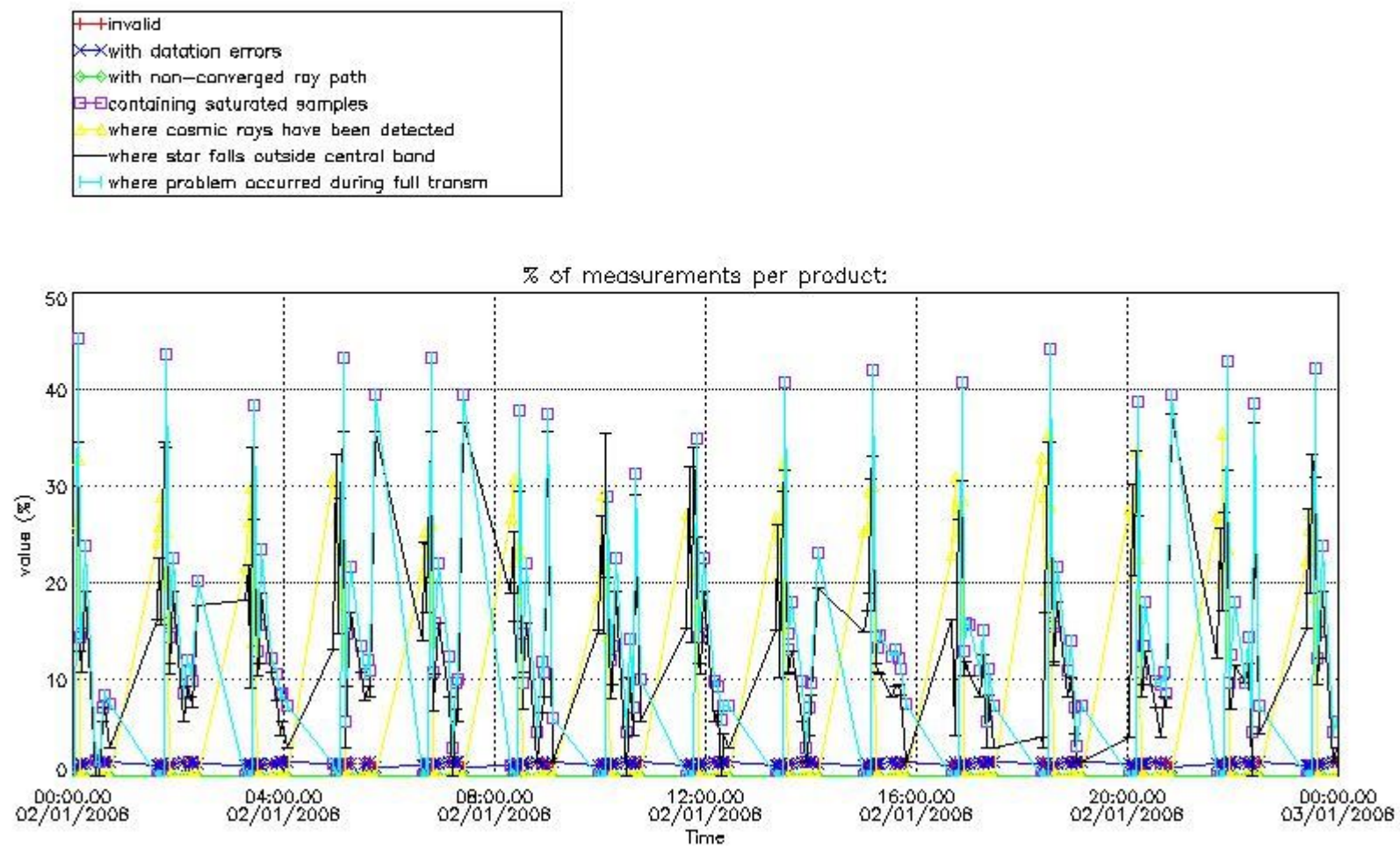
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

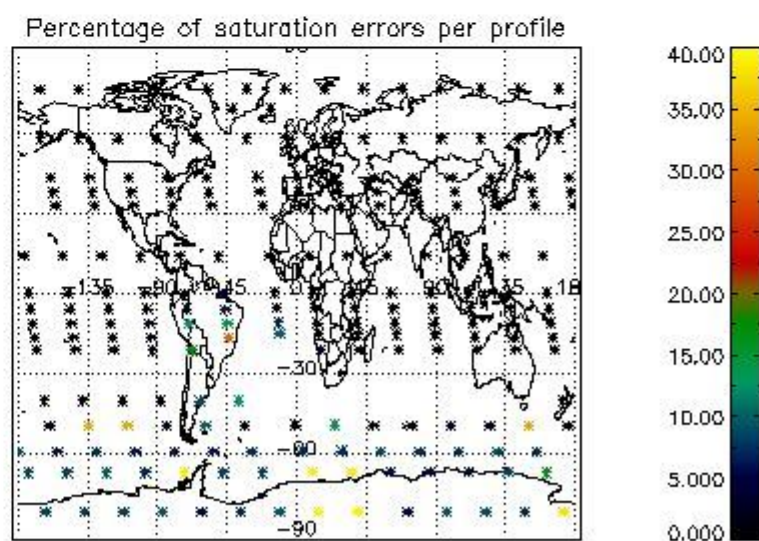
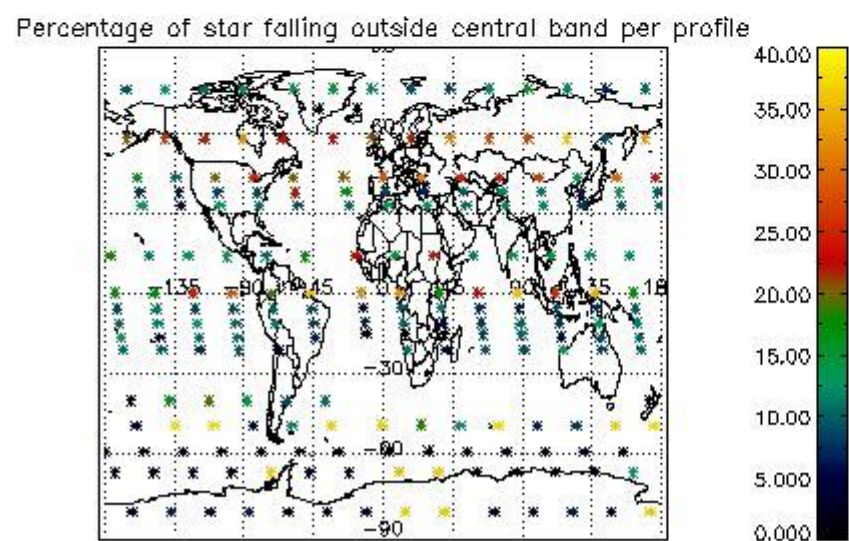
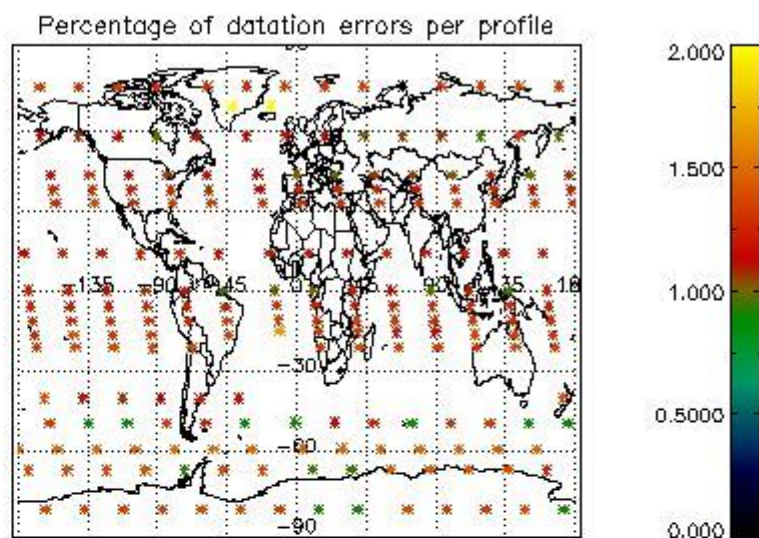
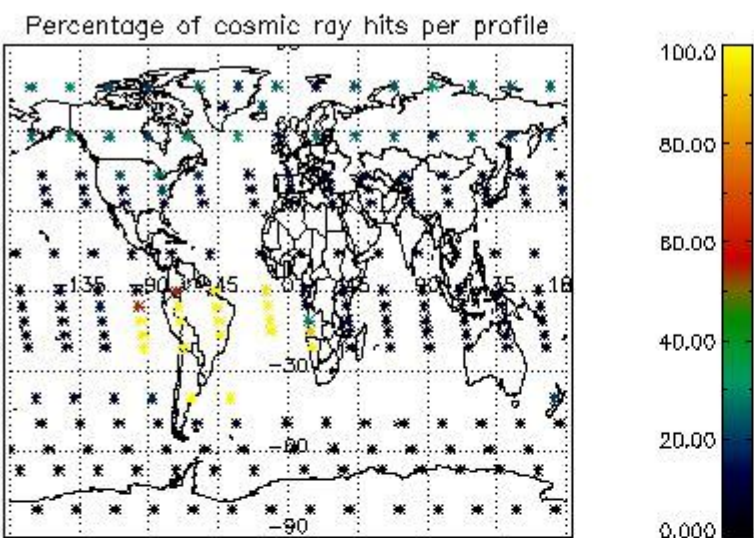


4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes

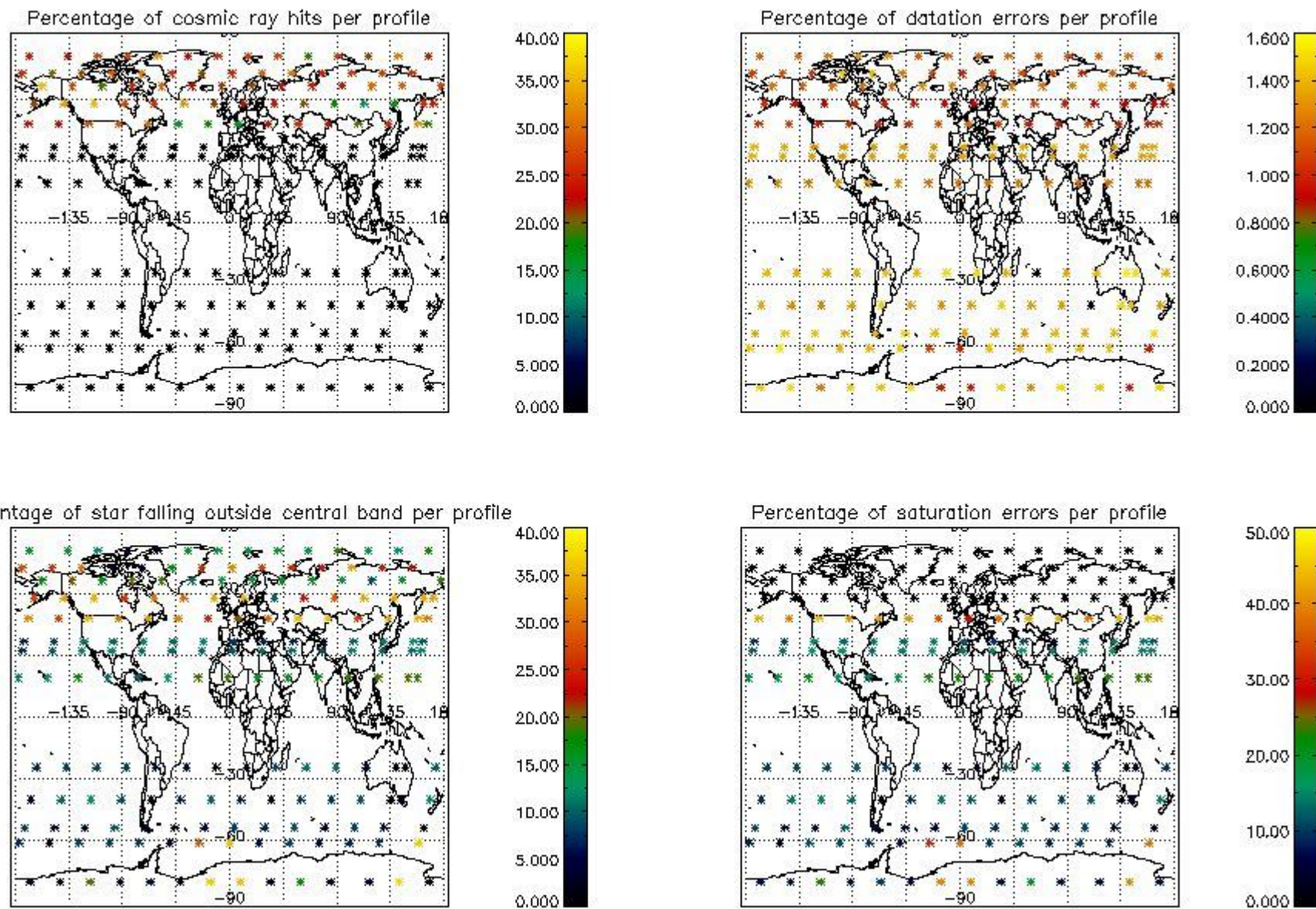


4.2 Plot quality information per product coming from level 1b processing (world map)

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

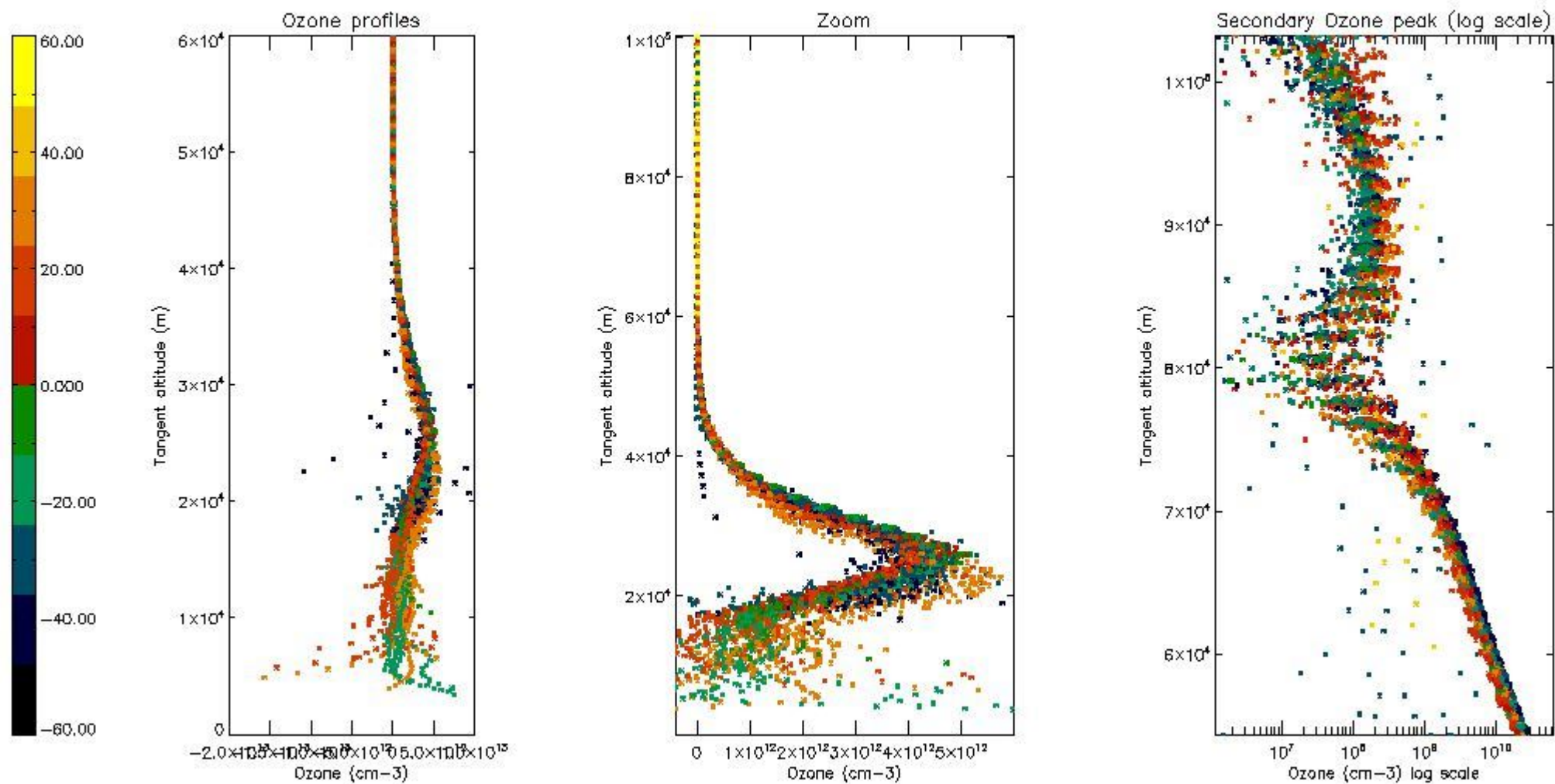
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	36
STD < 20	20

STD < 10	17
STD < 5	11

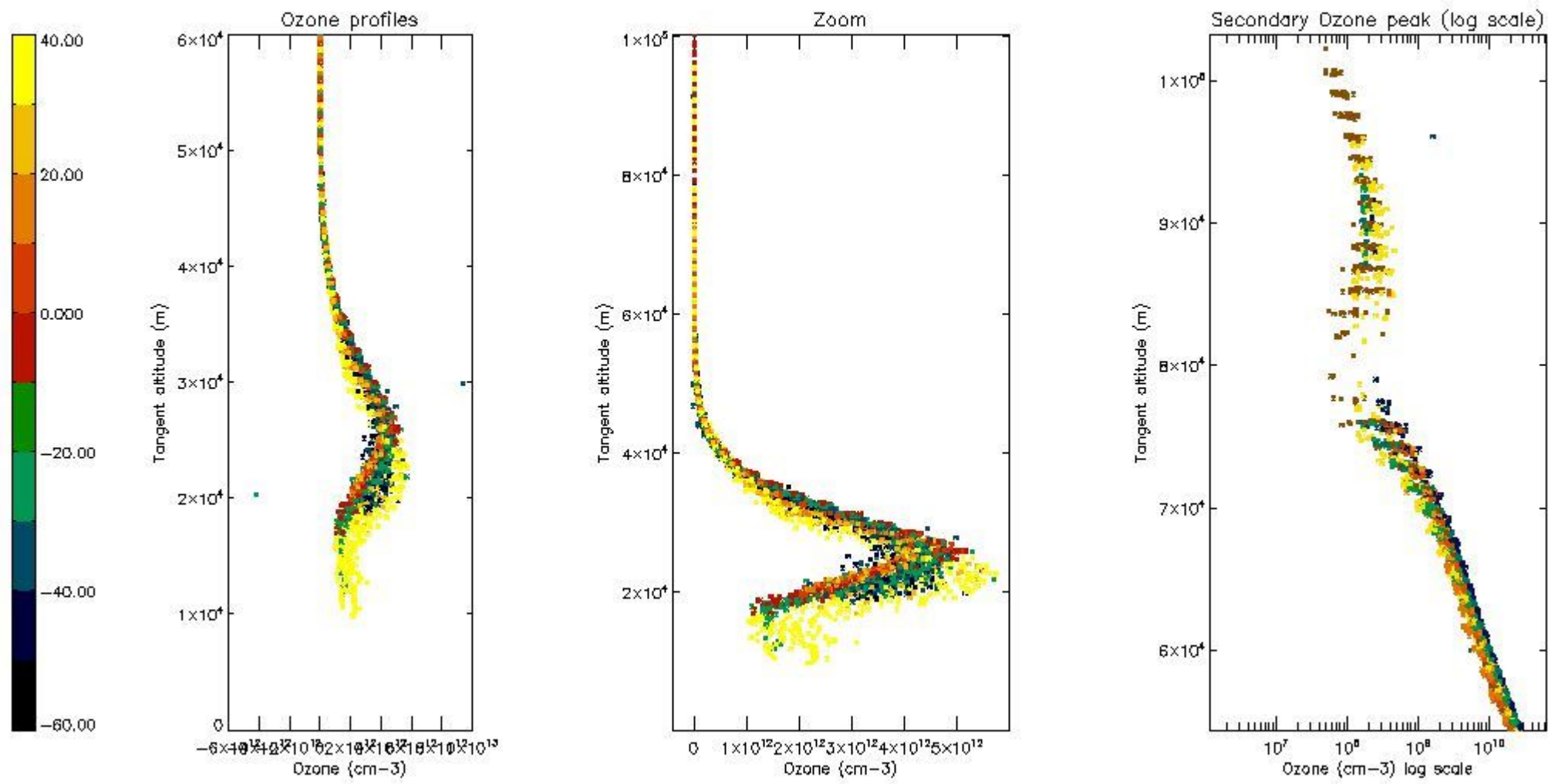
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



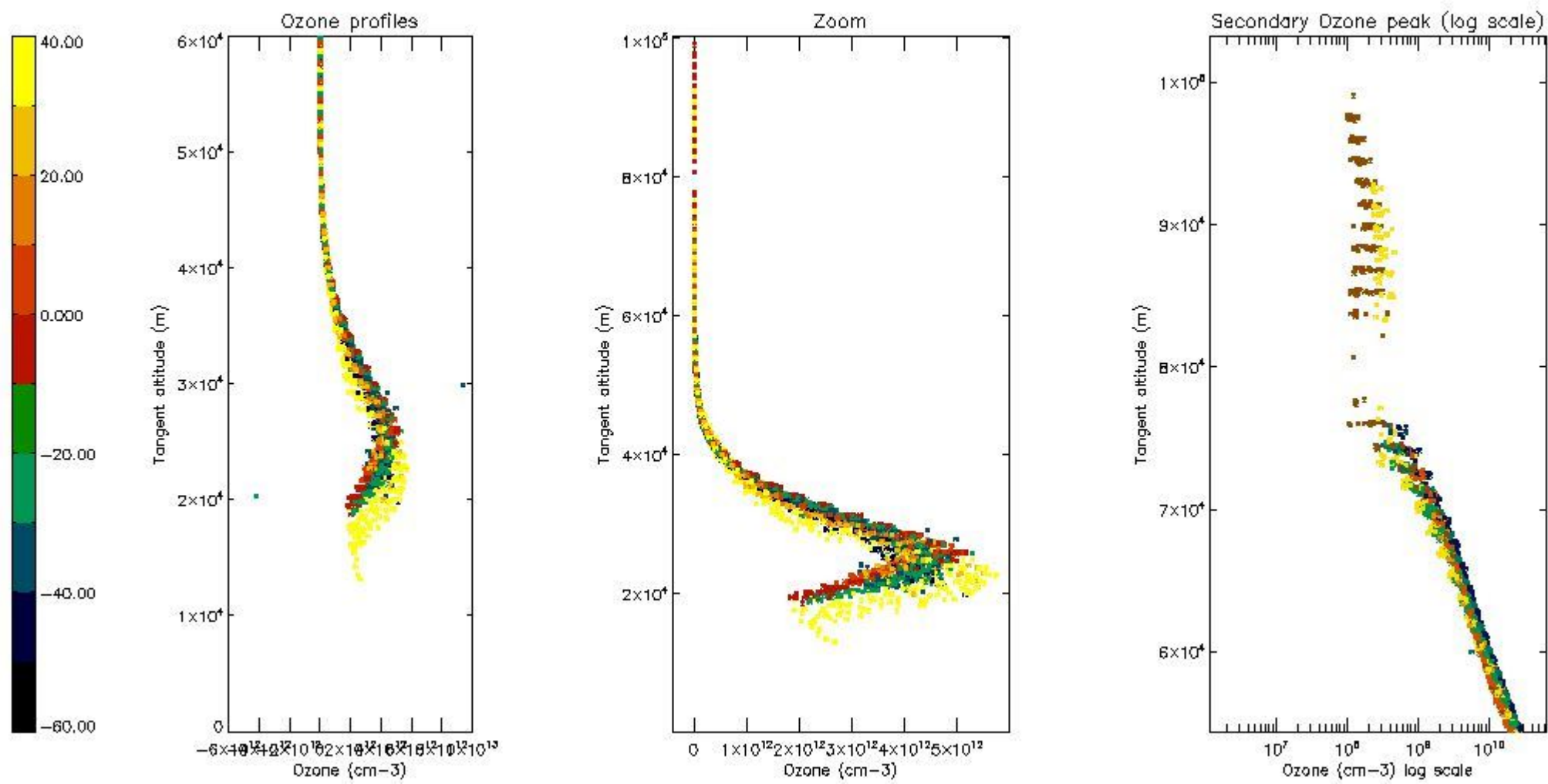
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



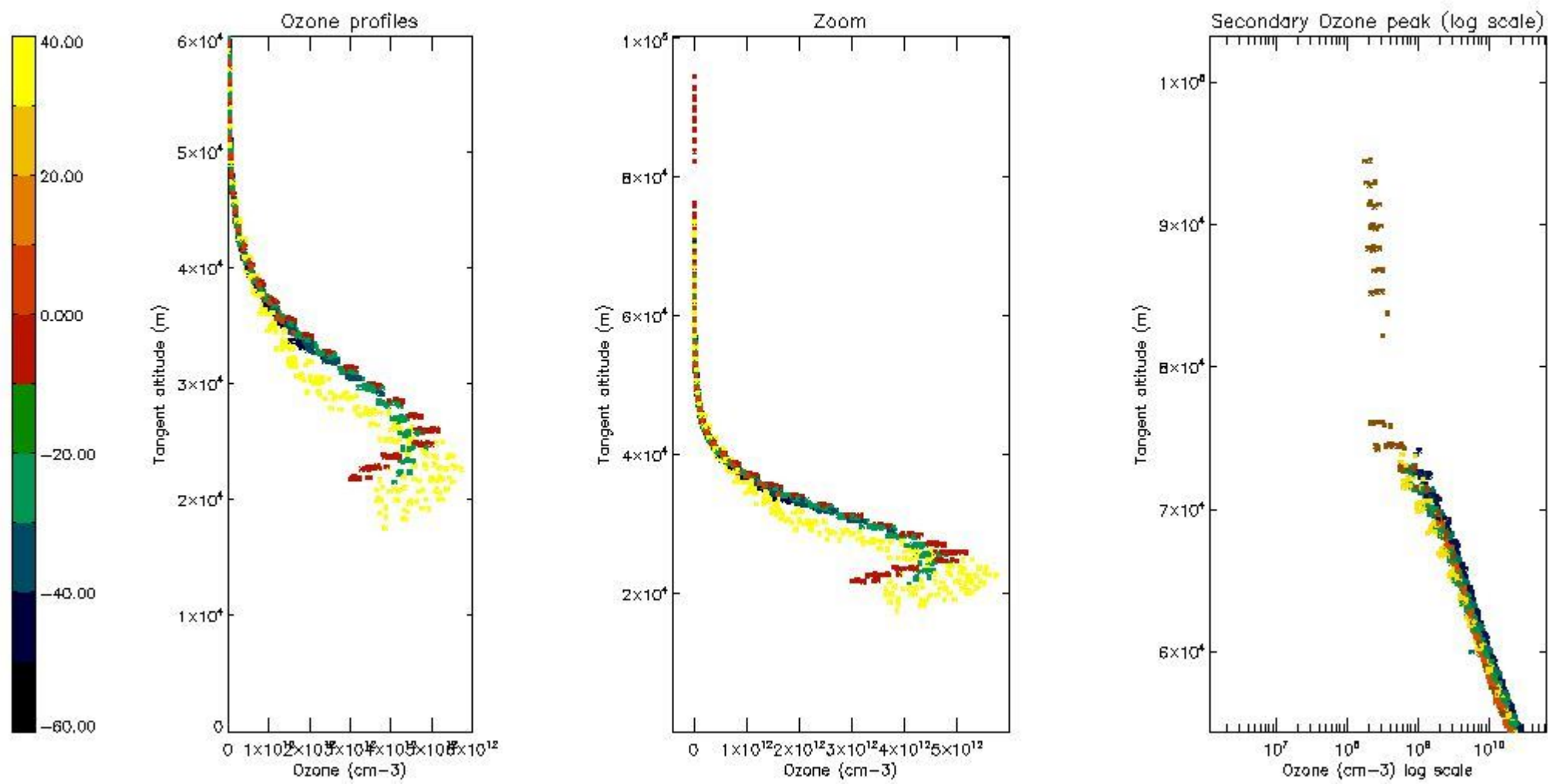
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



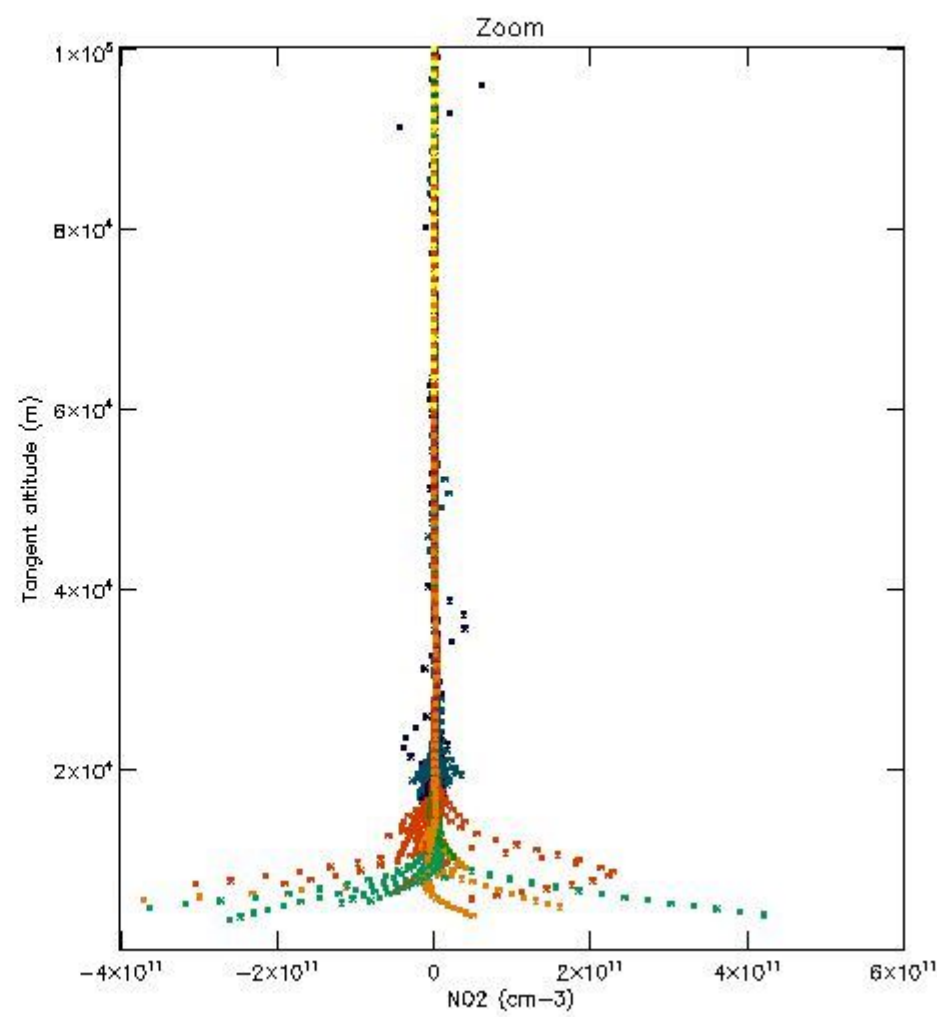
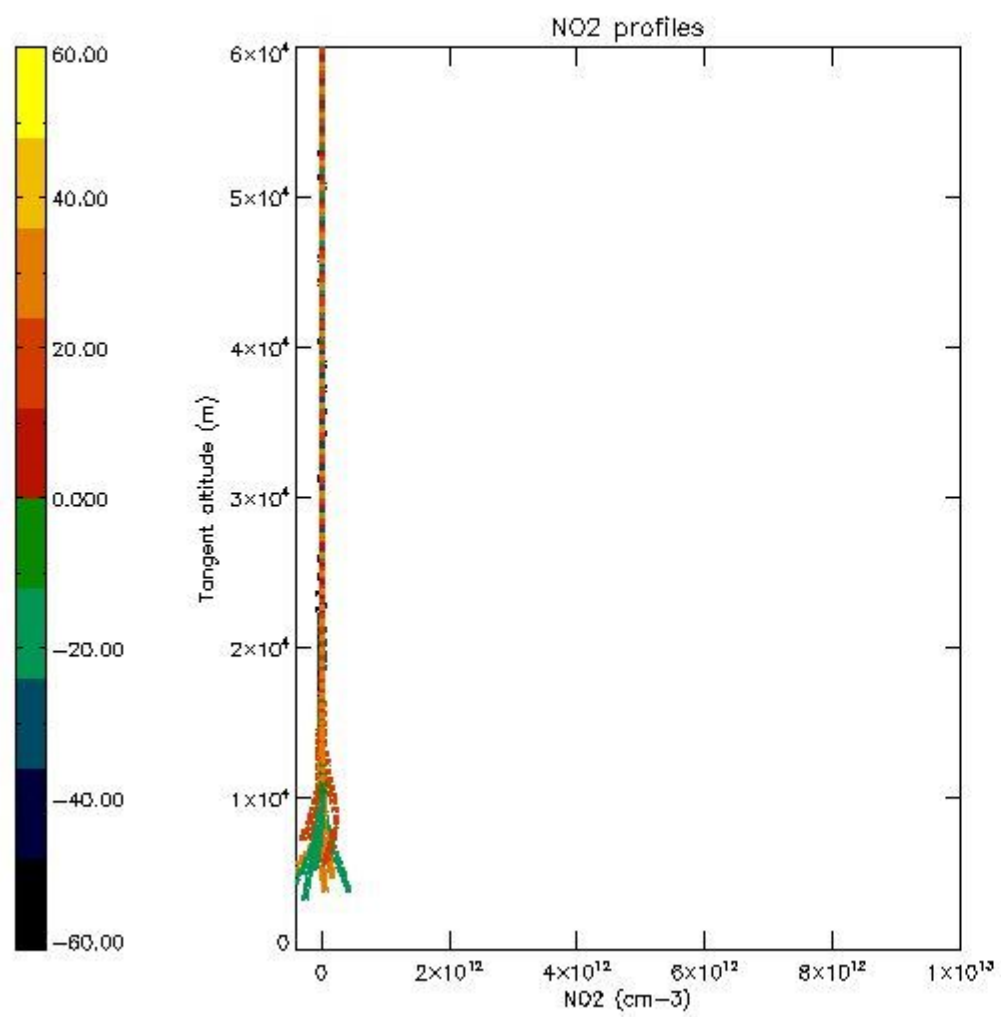
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



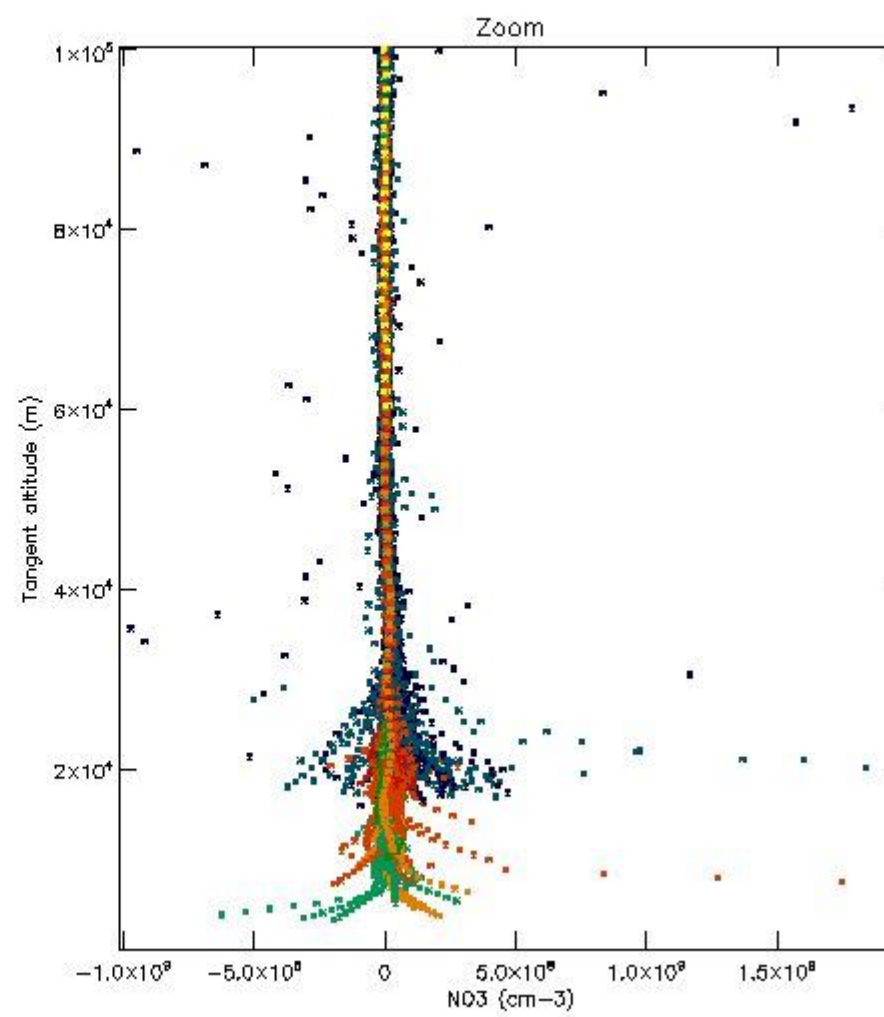
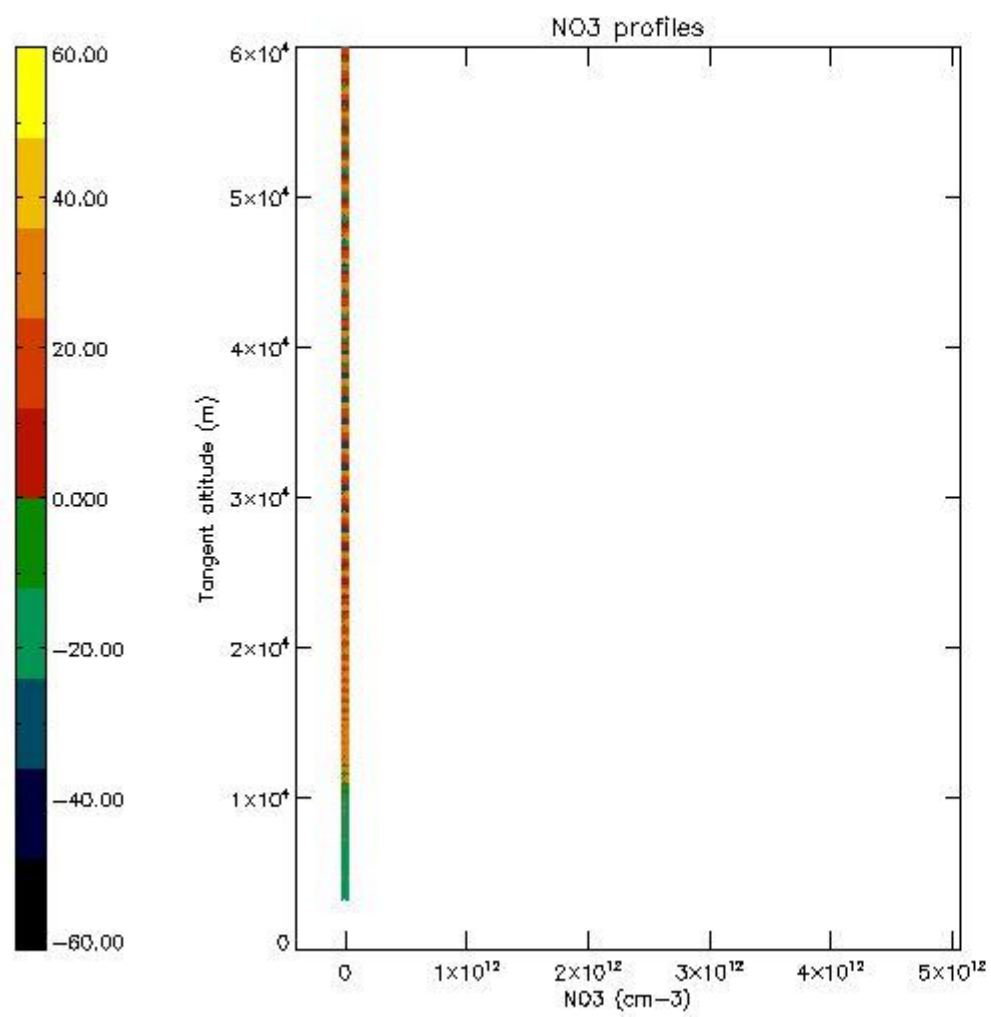
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



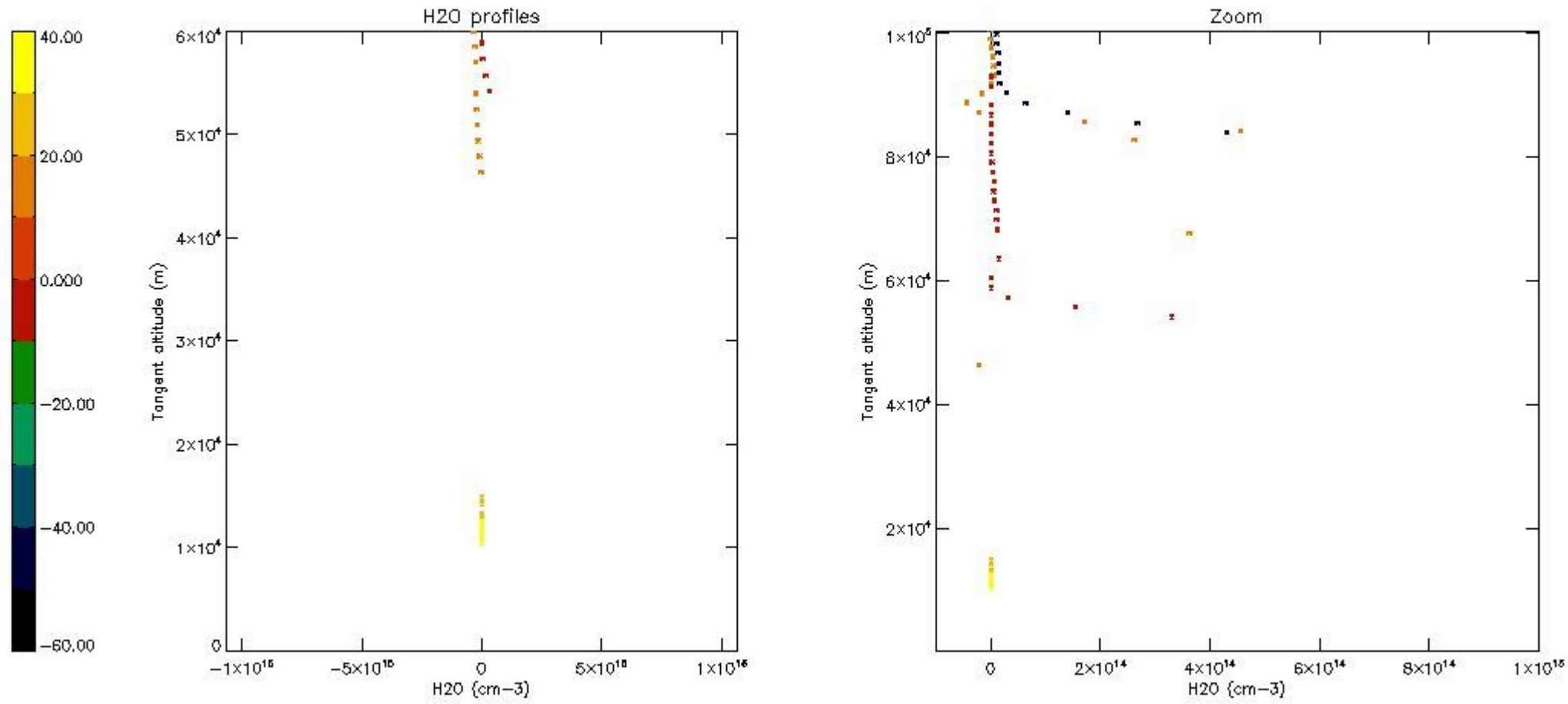
5.7 Plot NO3 profiles for all STD (dark without errors)

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-2008 00:02:29
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	02-JAN-2008 00:02:29
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	02-JAN-2008 00:02:29

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](#)

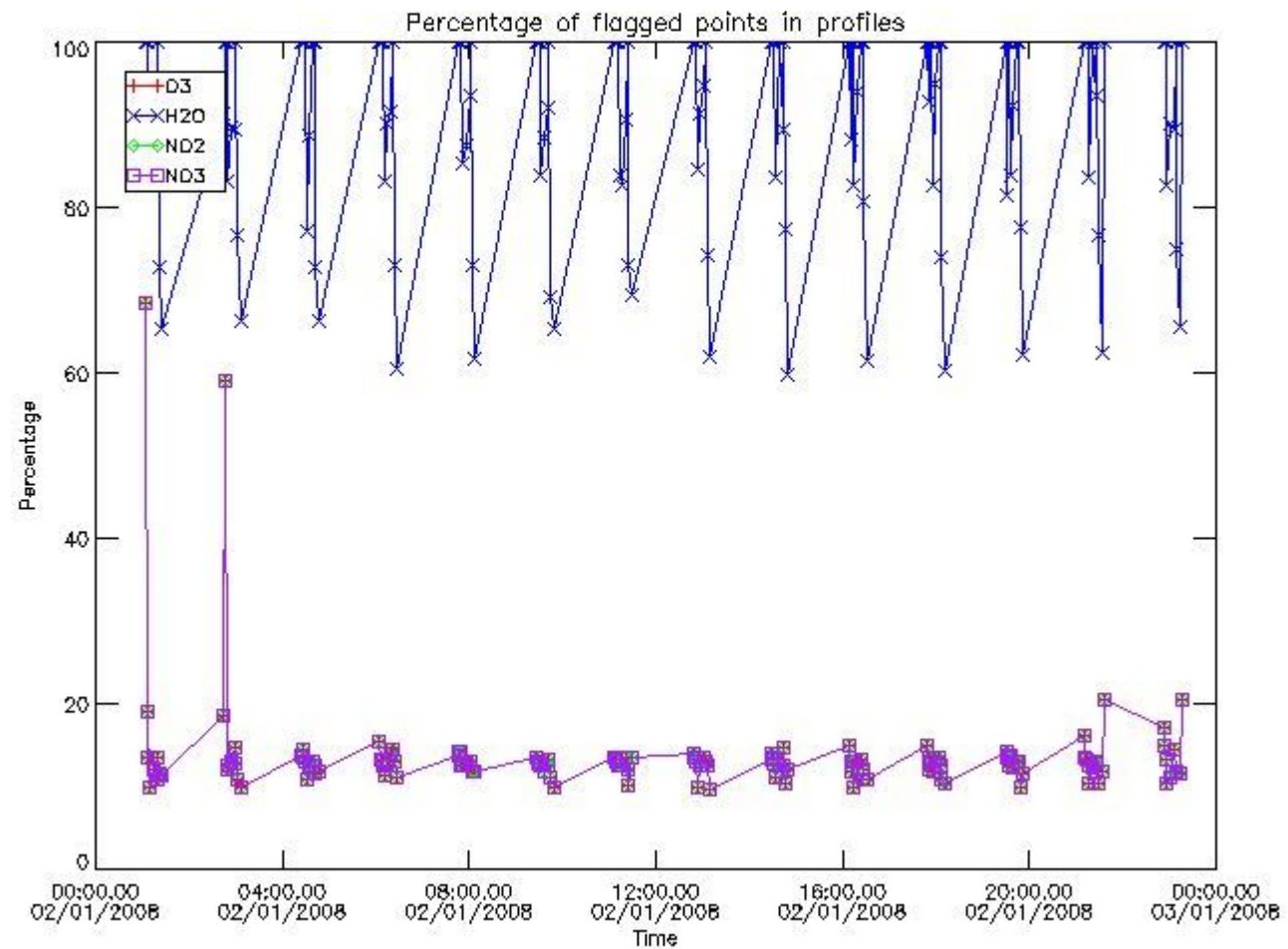
[6. Auxiliary Data Files used for the production reported in section 2](#)

397	GOM_NL__2PRFIN20080102_232632_000000472064_00431_30545_5367.N1	02-JAN-2008 23:26:32	Straylight	47.000	7	19Bet Ori	0.10000	14000.	94	30545	No
398	GOM_NL__2PRFIN20080102_232822_000000432064_00431_30545_5368.N1	02-JAN-2008 23:28:22	Straylight	42.500	30	46Eps Ori	1.6940	30000.	85	30545	No
399	GOM_NL__2PRFIN20080102_233051_000000542064_00431_30545_5369.N1	02-JAN-2008 23:30:51	Twl_and_stray	54.000	14	58Alp Ori	0.87000	3000.0	108	30545	No
400	GOM_NL__2PRFIN20080102_233344_000000492064_00431_30545_5370.N1	02-JAN-2008 23:33:44	Bright	48.500	13	87Alp Tau	0.86700	3800.0	97	30545	No
401	GOM_NL__2PRFIN20080102_233655_000000372064_00431_30545_5371.N1	02-JAN-2008 23:36:55	Bright	37.000	28	12Bet Tau	1.6500	15200.	74	30545	No
402	GOM_NL__2PRFIN20080102_233813_000000372064_00431_30545_5372.N1	02-JAN-2008 23:38:13	Bright	37.000	114	3lot Aur	2.6930	4600.0	74	30545	No
403	GOM_NL__2PRFIN20080102_234151_000000422064_00431_30545_5373.N1	02-JAN-2008 23:41:51	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	30545	No
404	GOM_NL__2PRFIN20080102_235403_000000332064_00431_30545_5374.N1	02-JAN-2008 23:54:03	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	30545	No
405	GOM_NL__2PRFIN20080102_235828_000000352064_00431_30545_5375.N1	02-JAN-2008 23:58:28	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	30545	No

3. Quality information per product

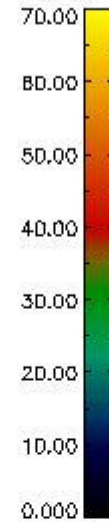
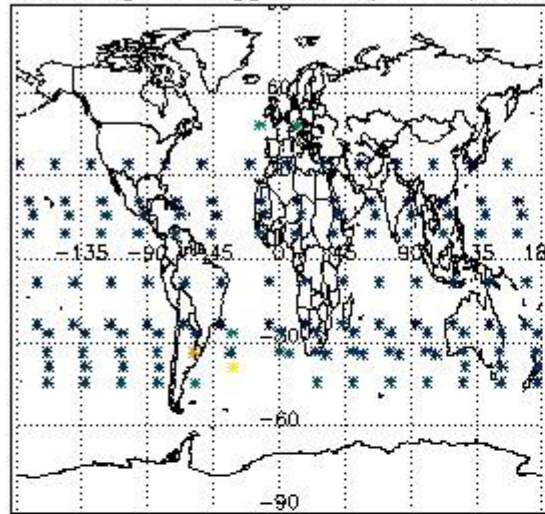
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

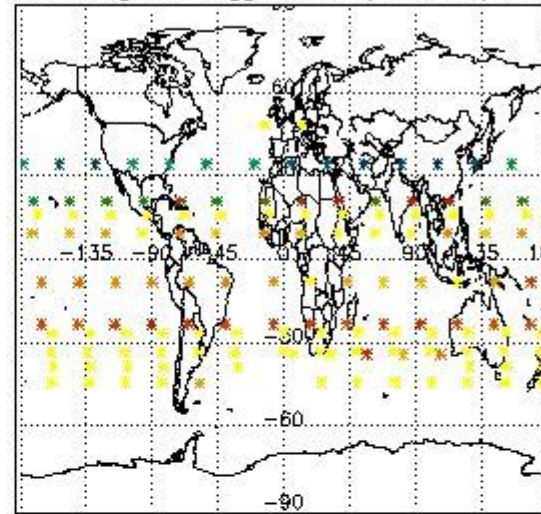


3.2 Plot quality information per product (world map)

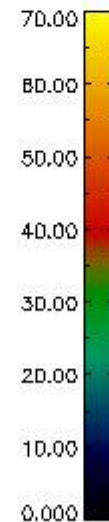
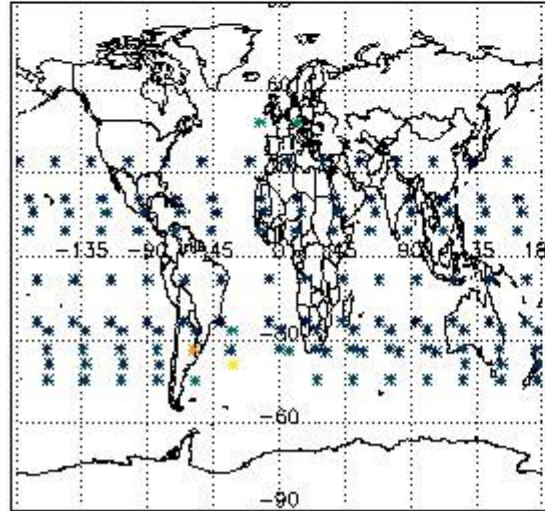
Percentage of flagged data per O3 profile



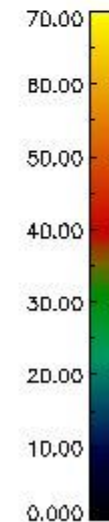
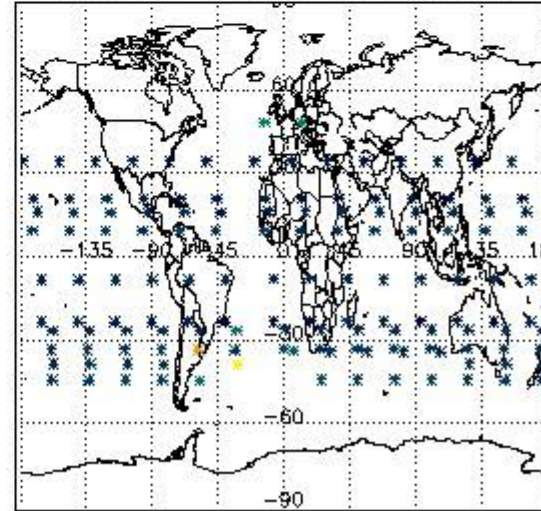
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

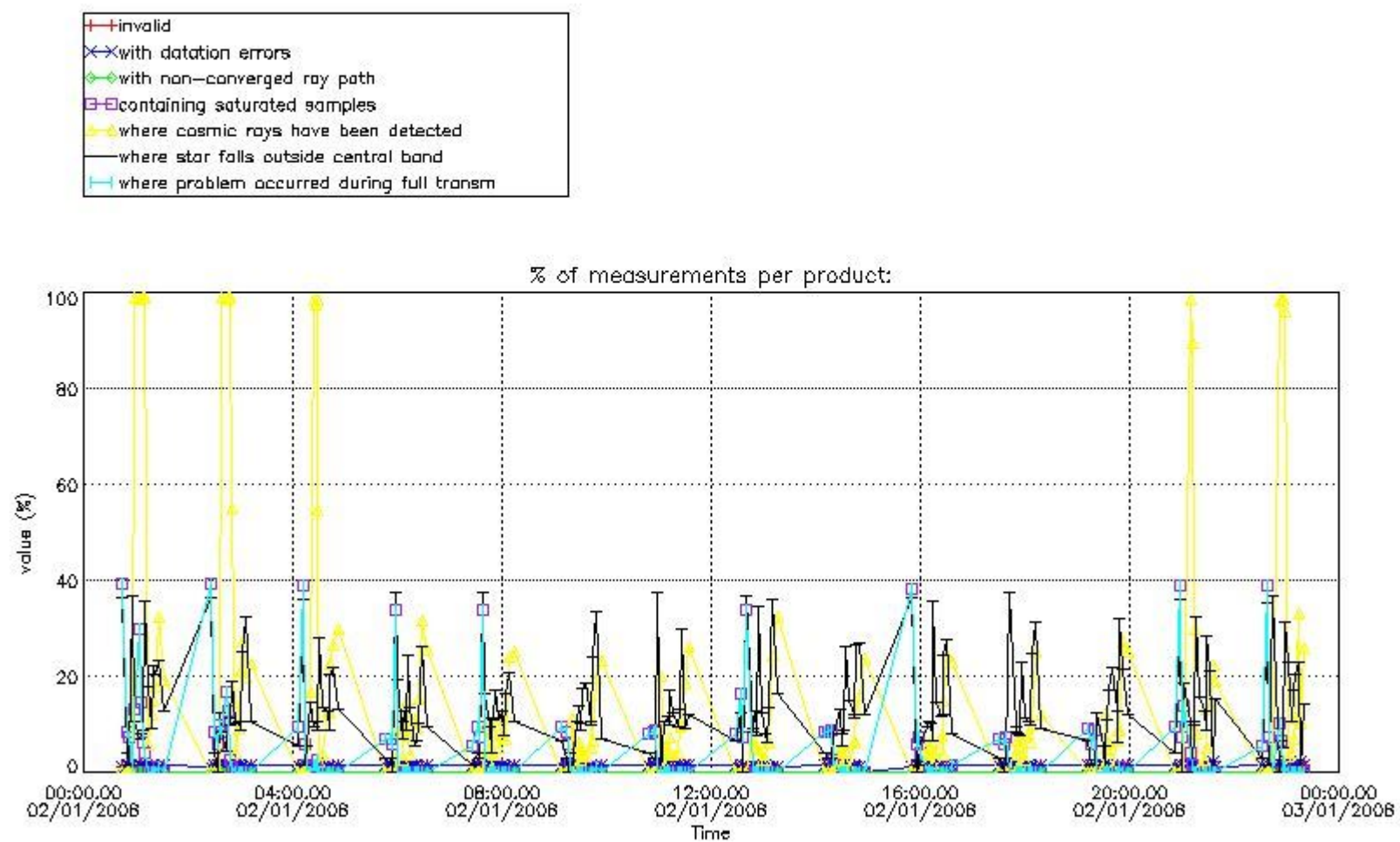


4. Level 1 quality information per product

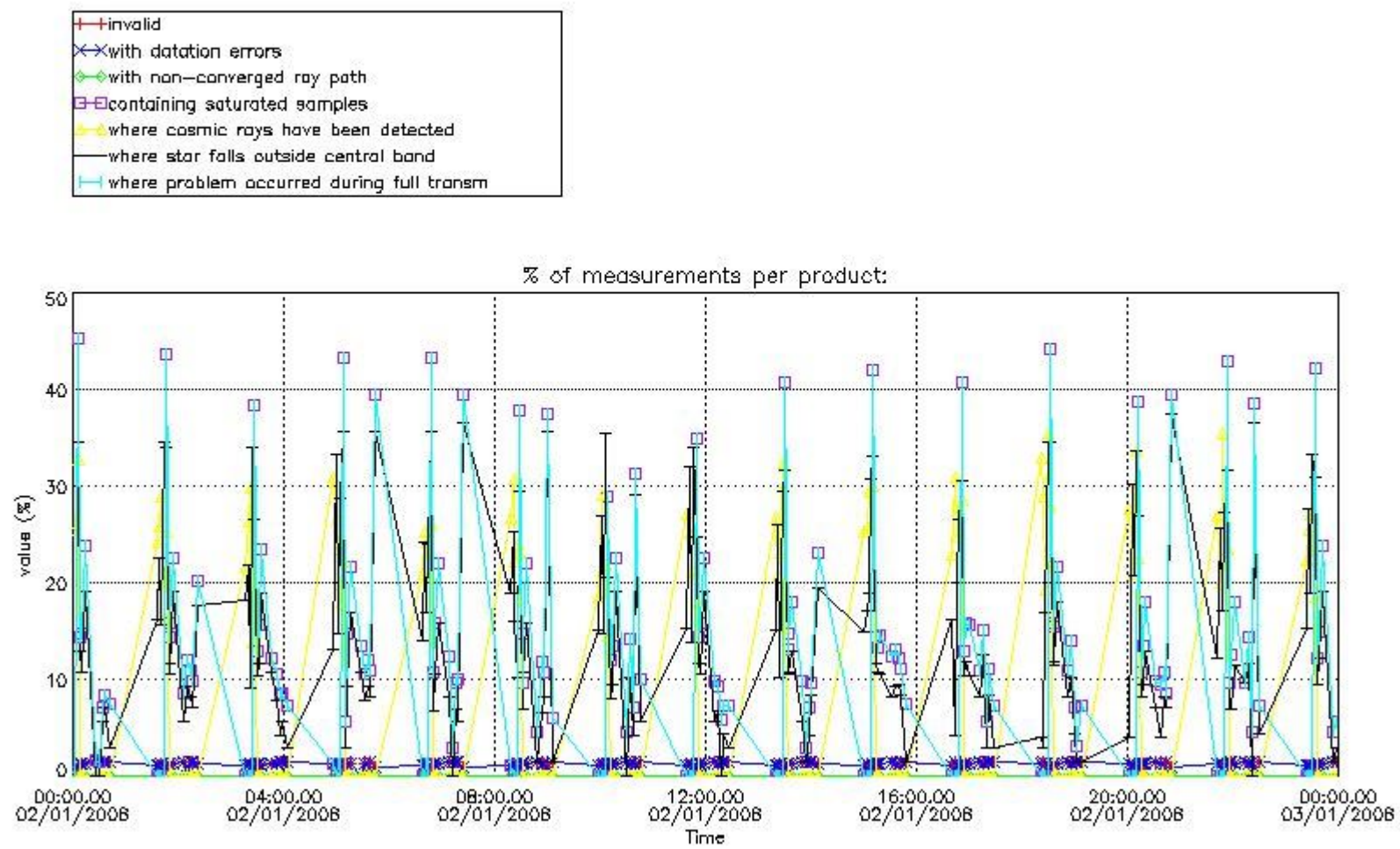
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

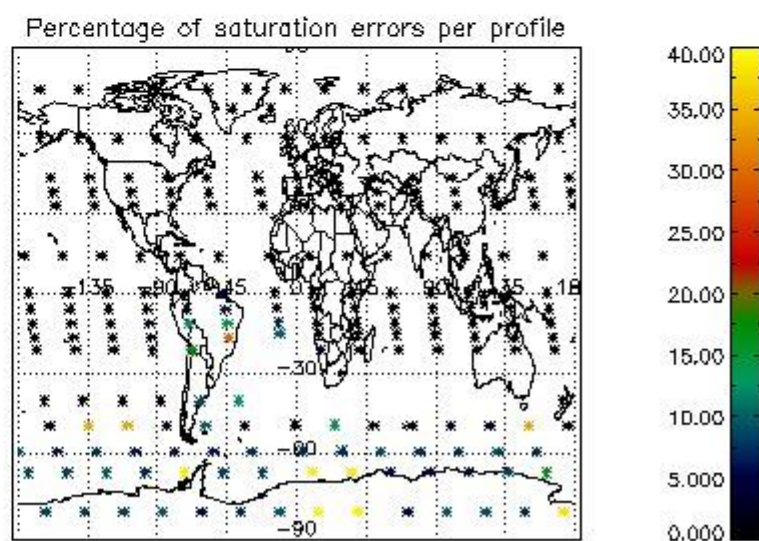
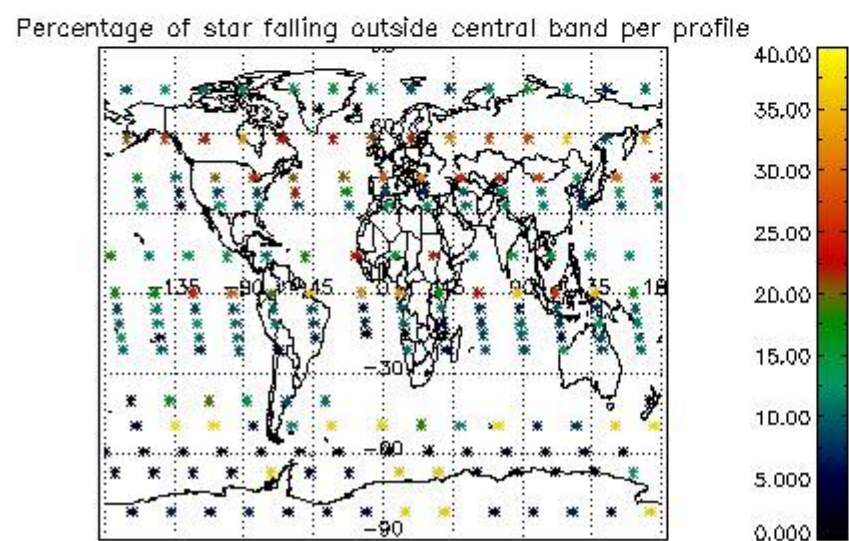
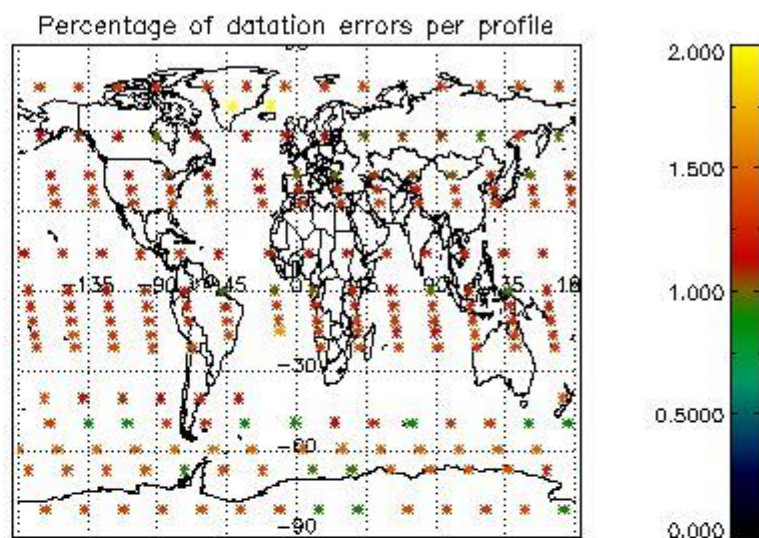
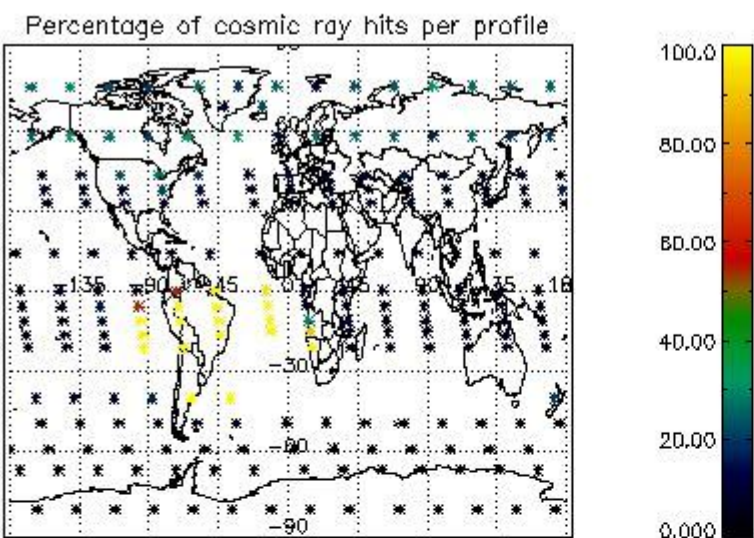


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

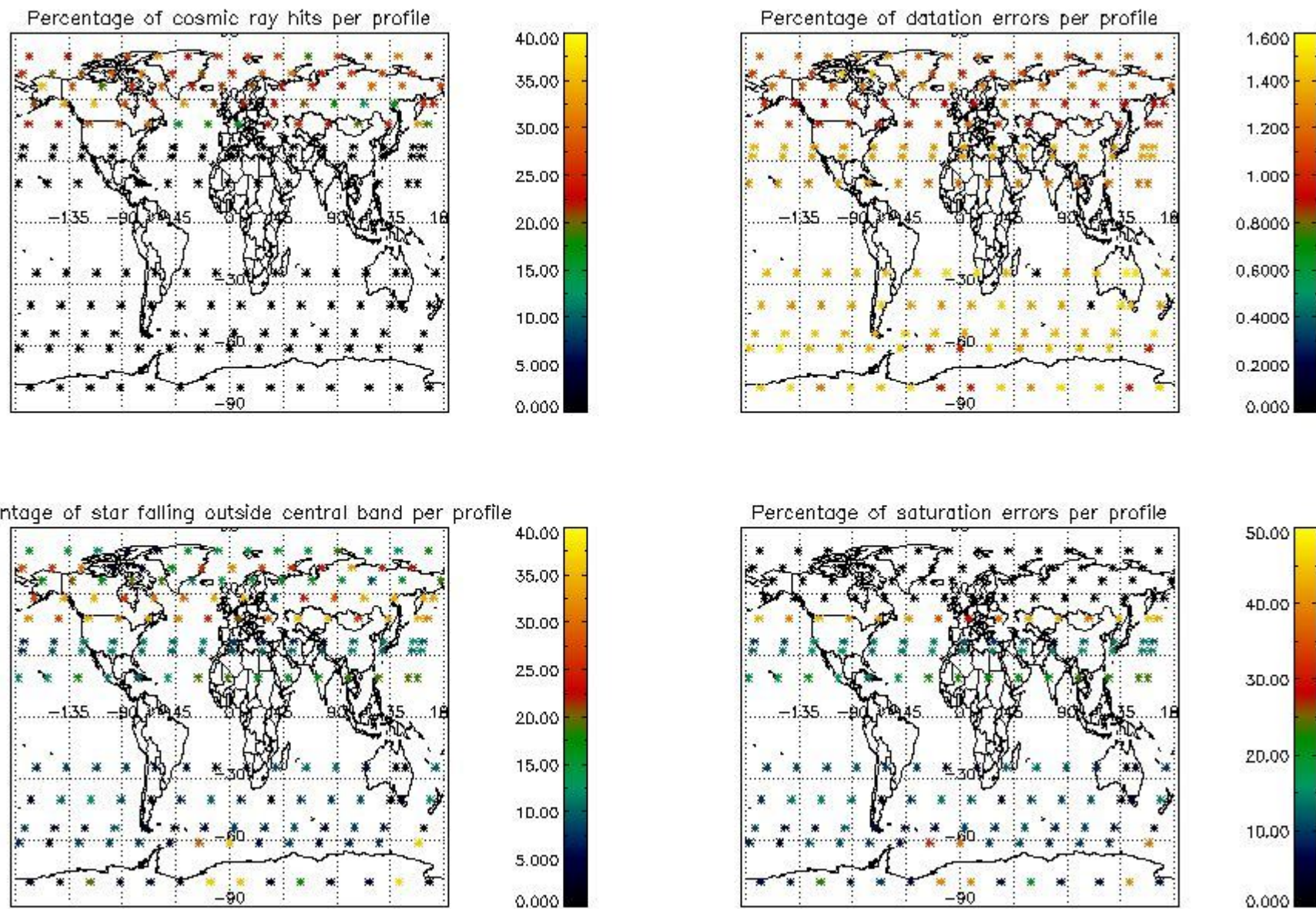


4.2 Plot quality information per product coming from level 1b processing (world map)

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

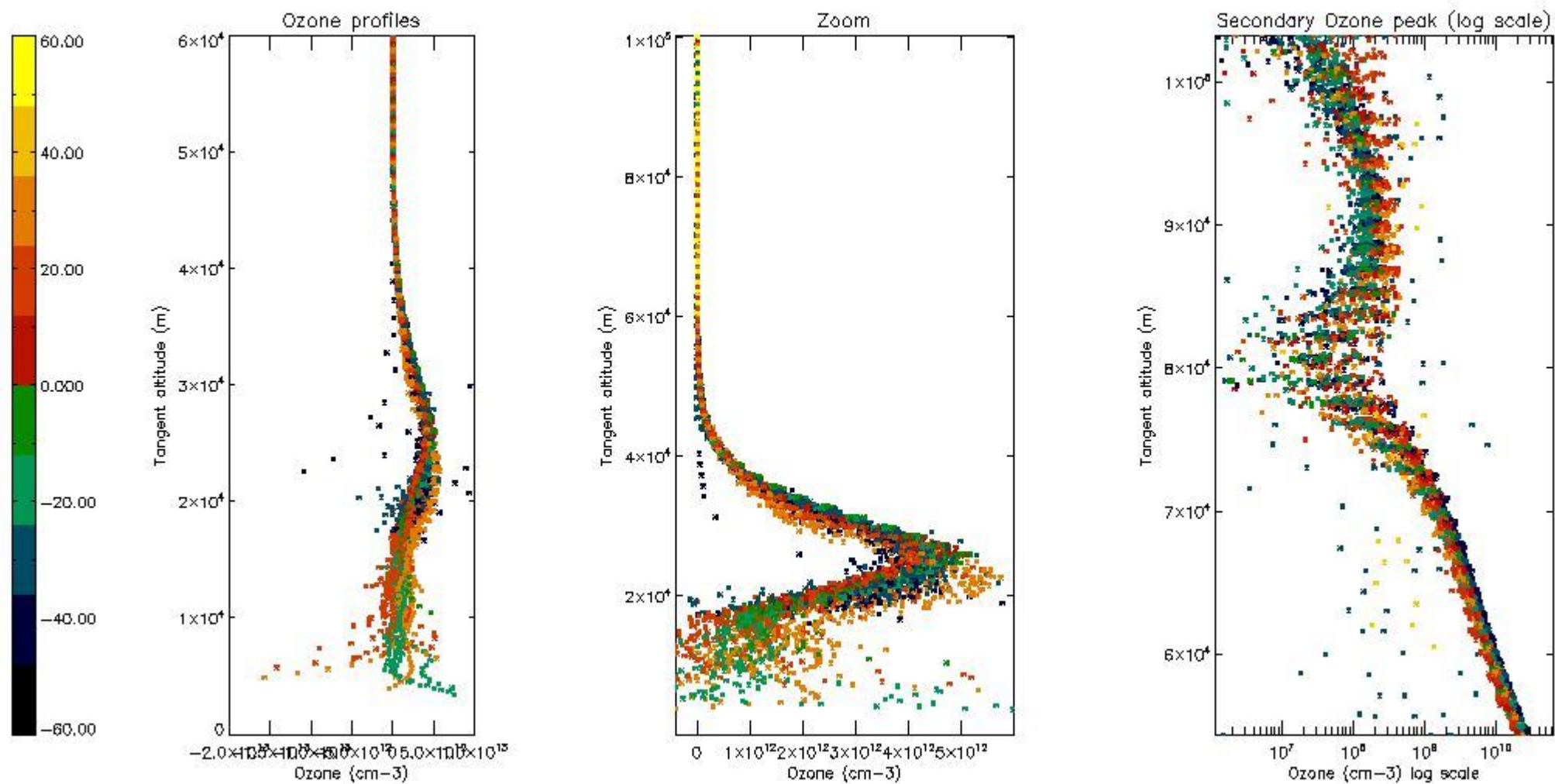
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	36
STD < 20	20

STD < 10	17
STD < 5	11

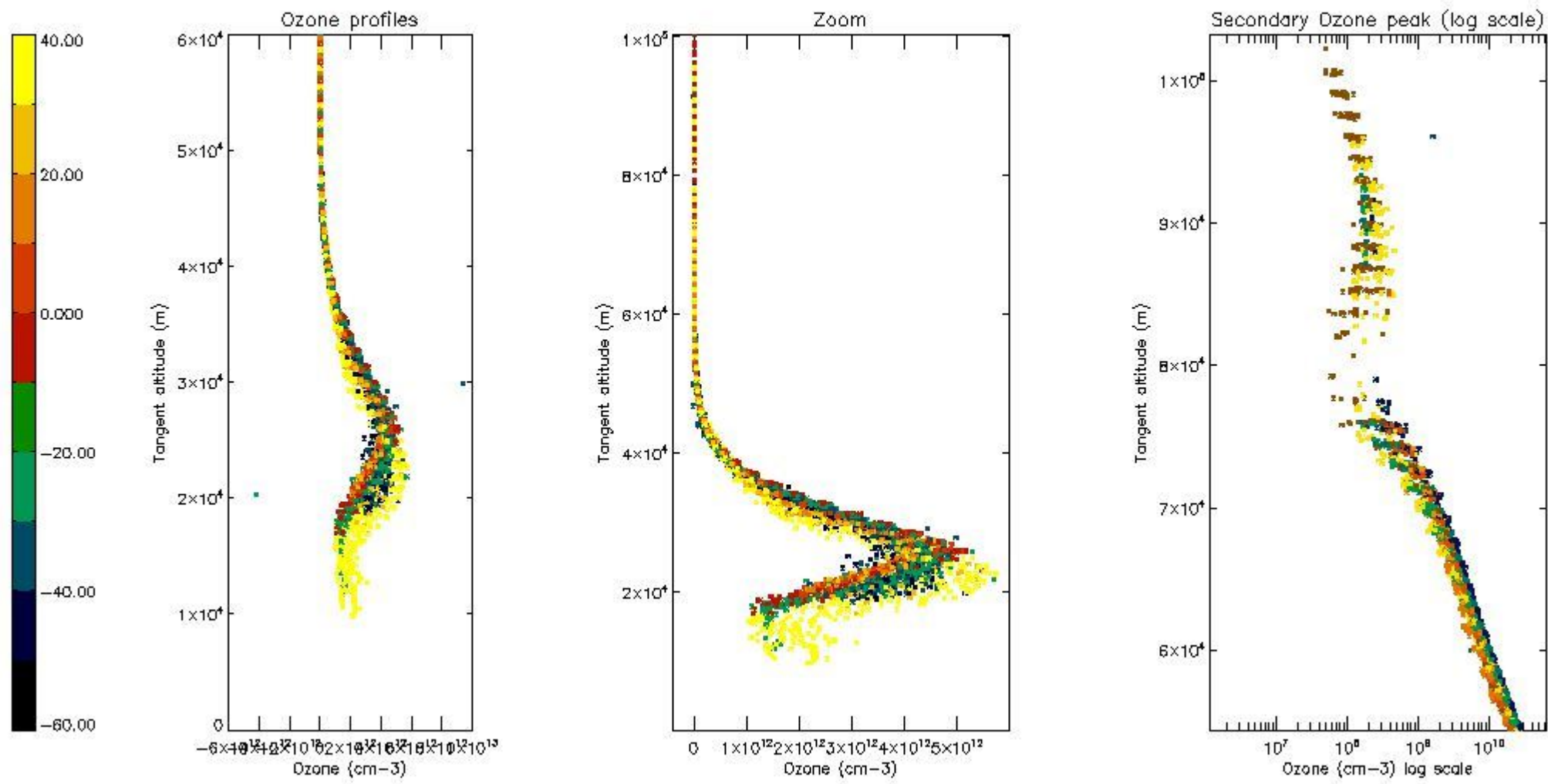
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



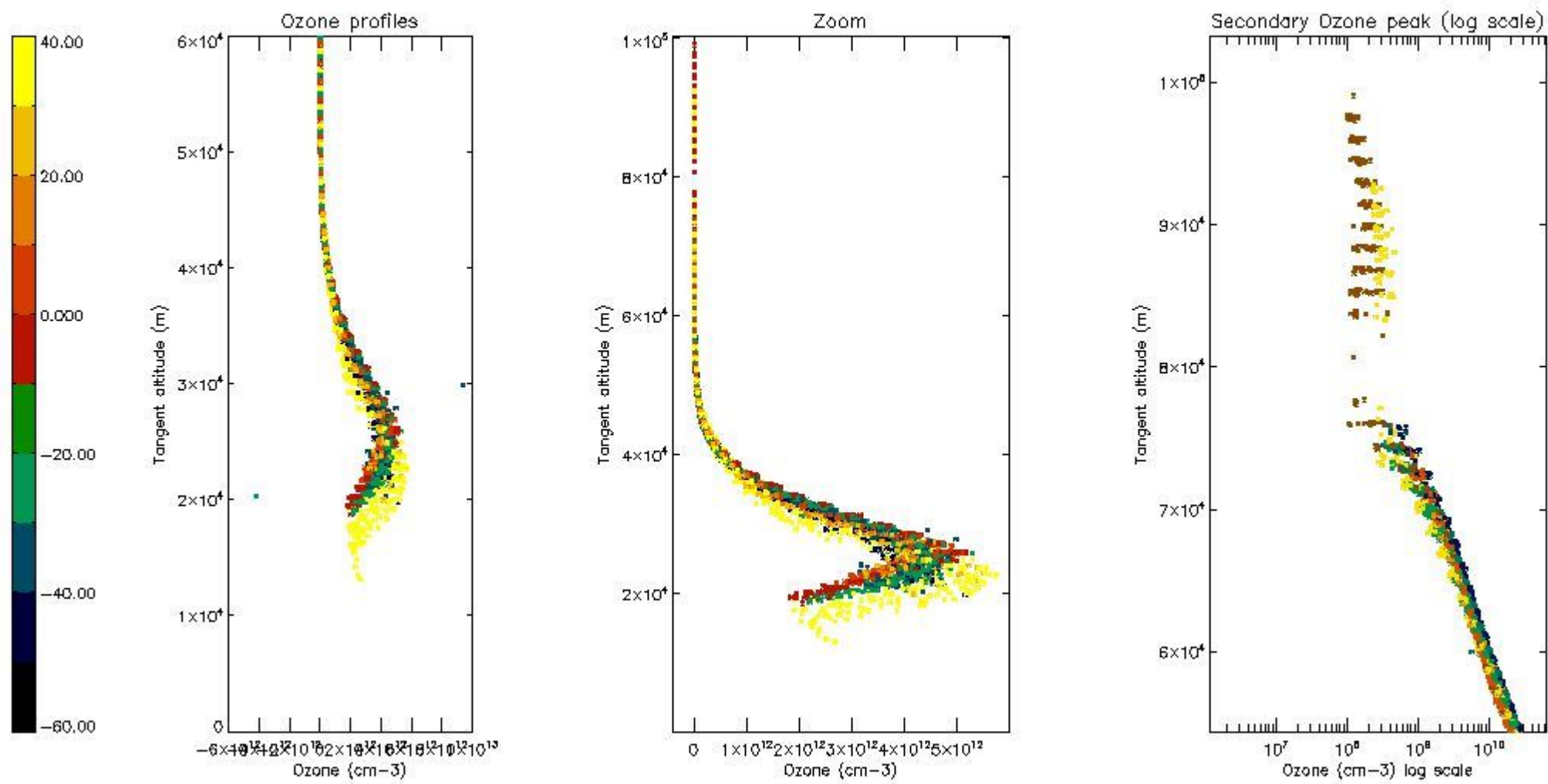
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



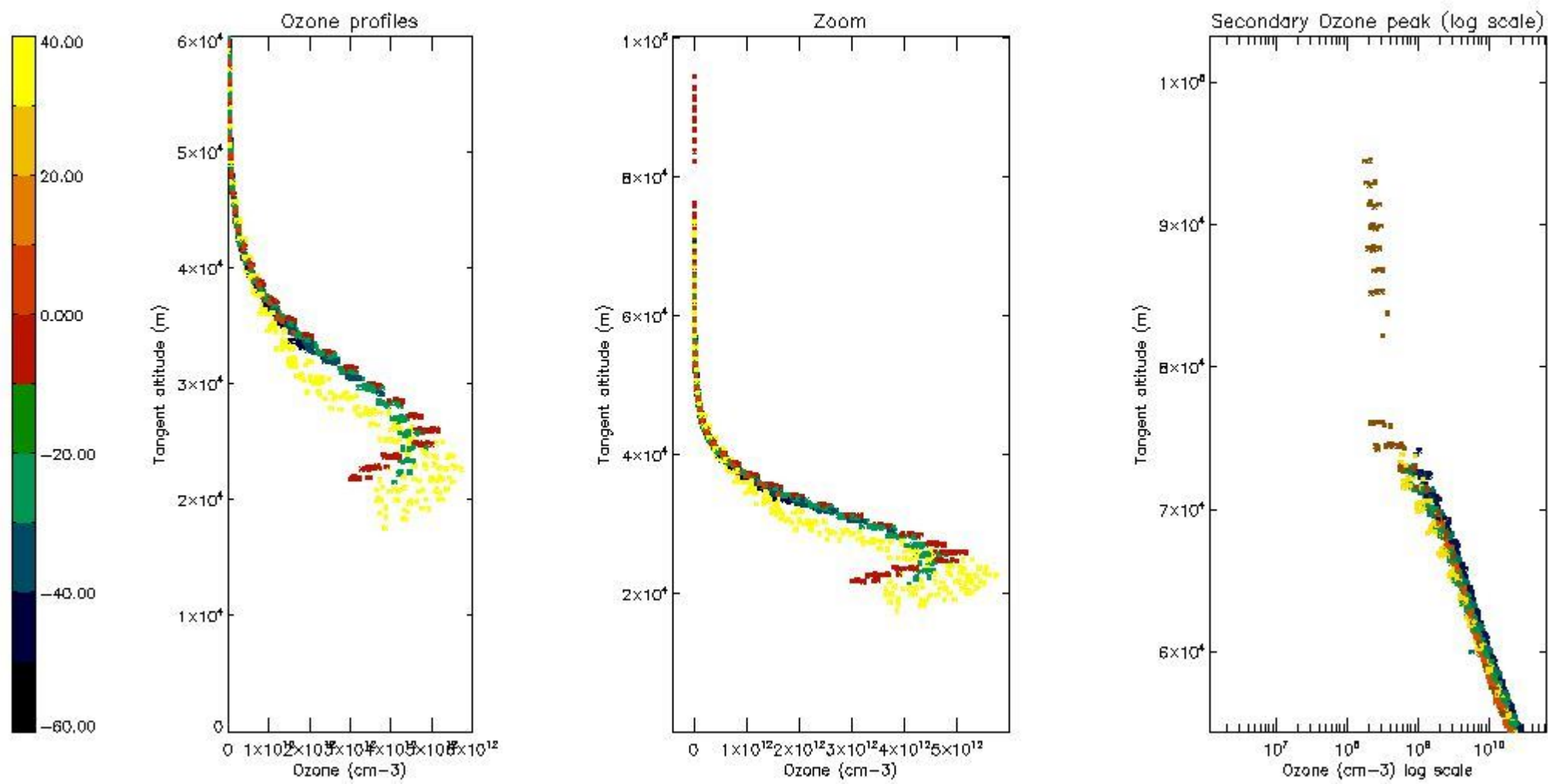
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



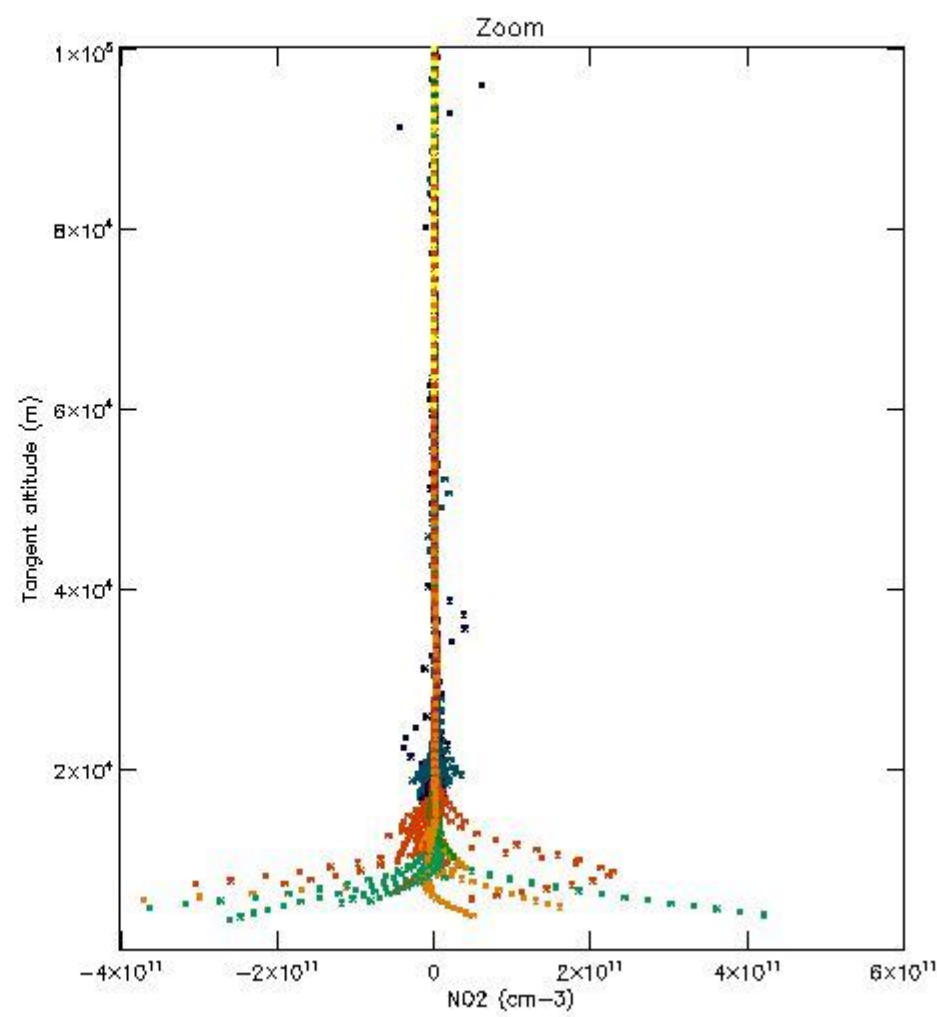
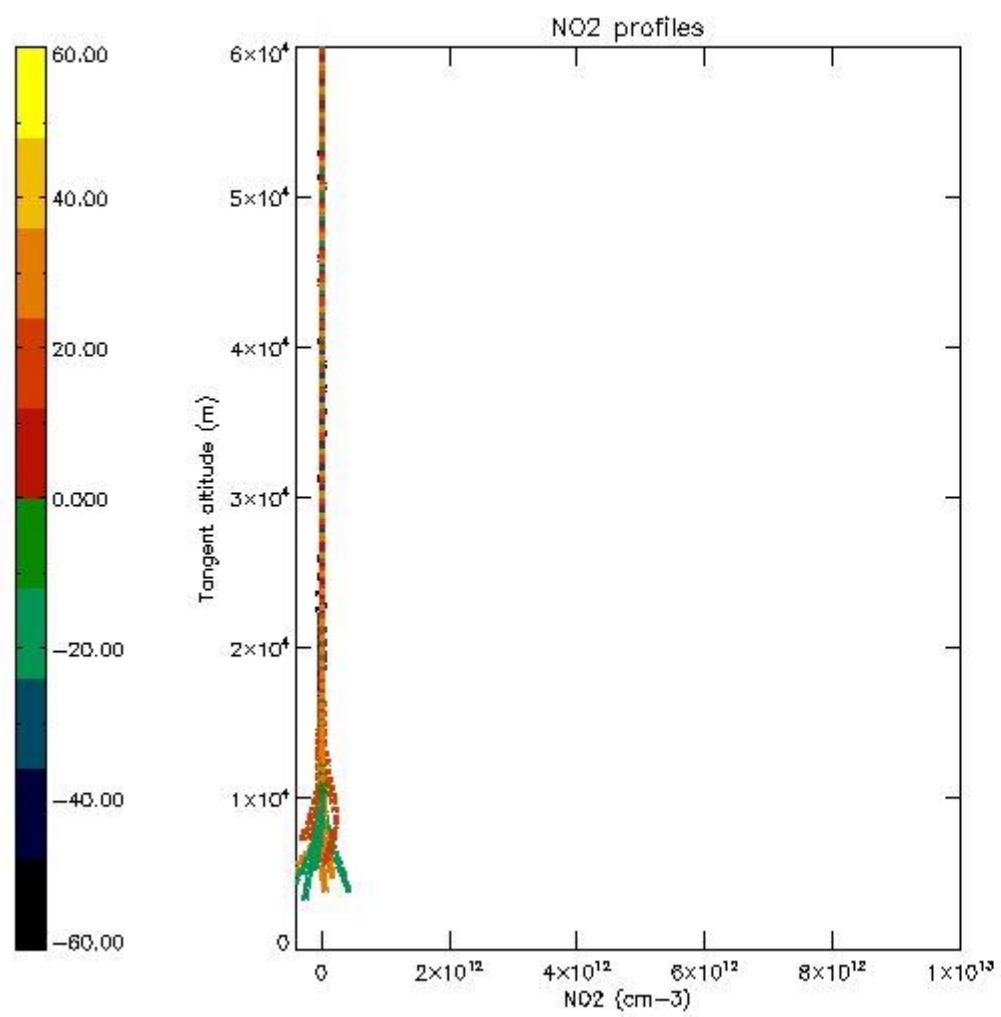
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



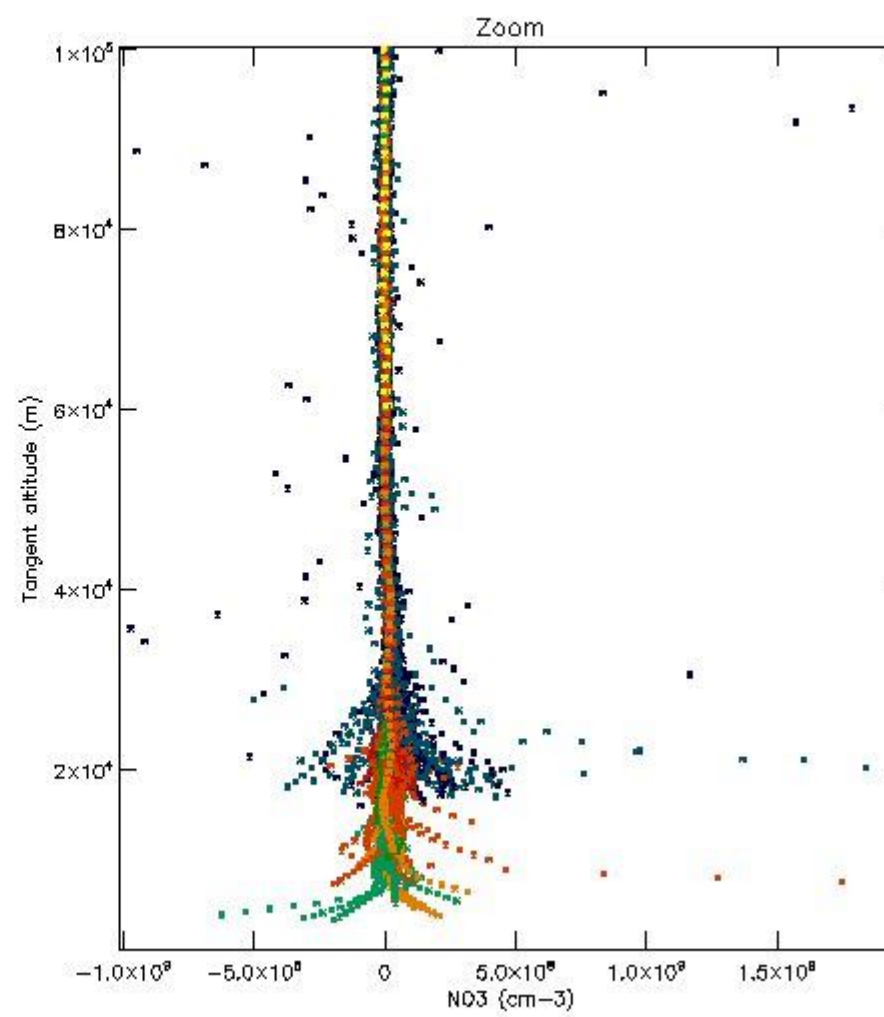
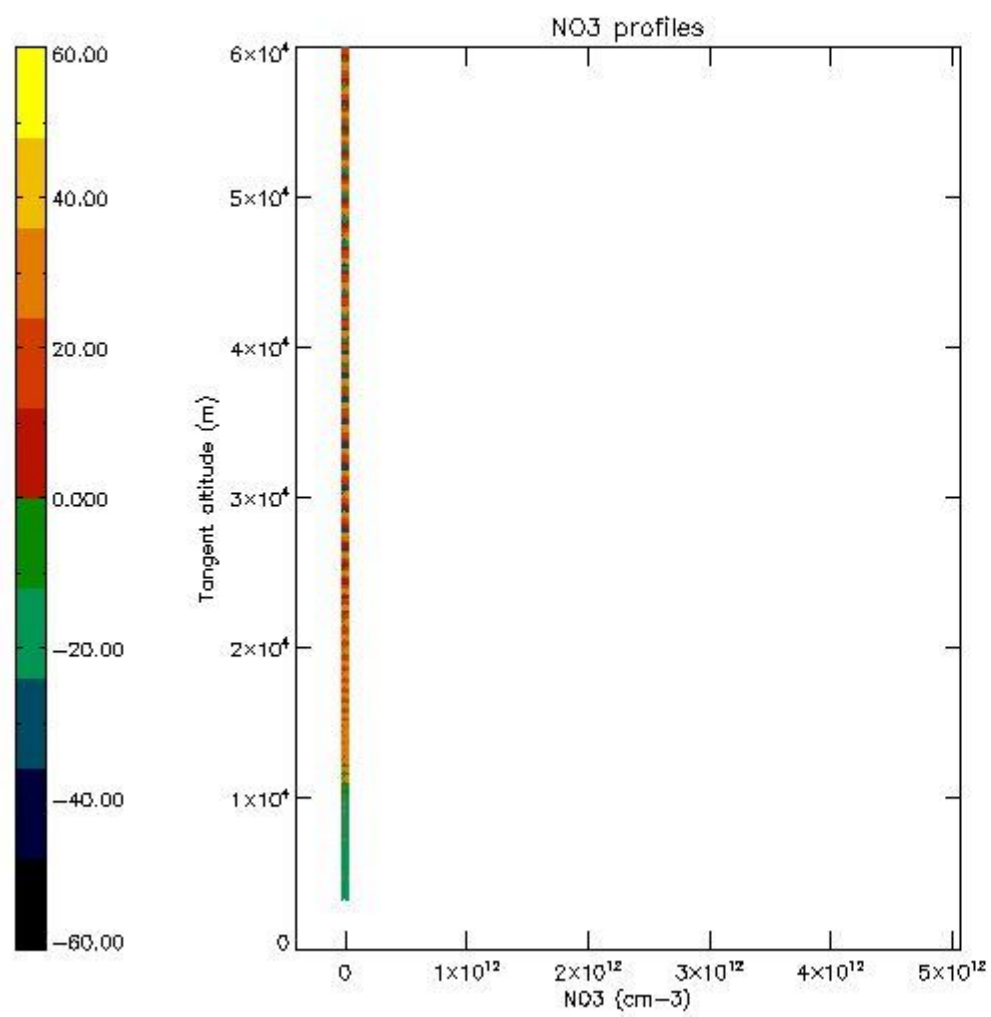
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



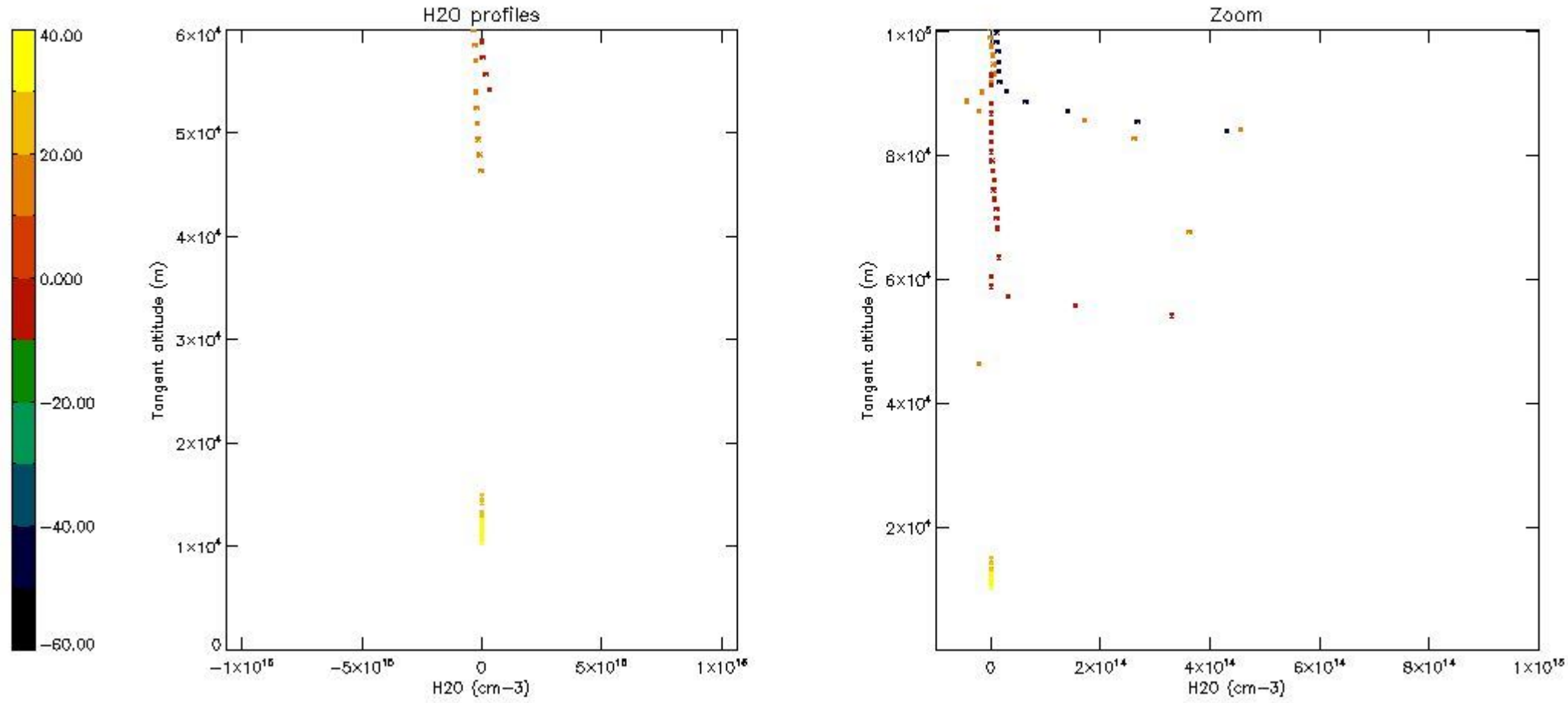
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

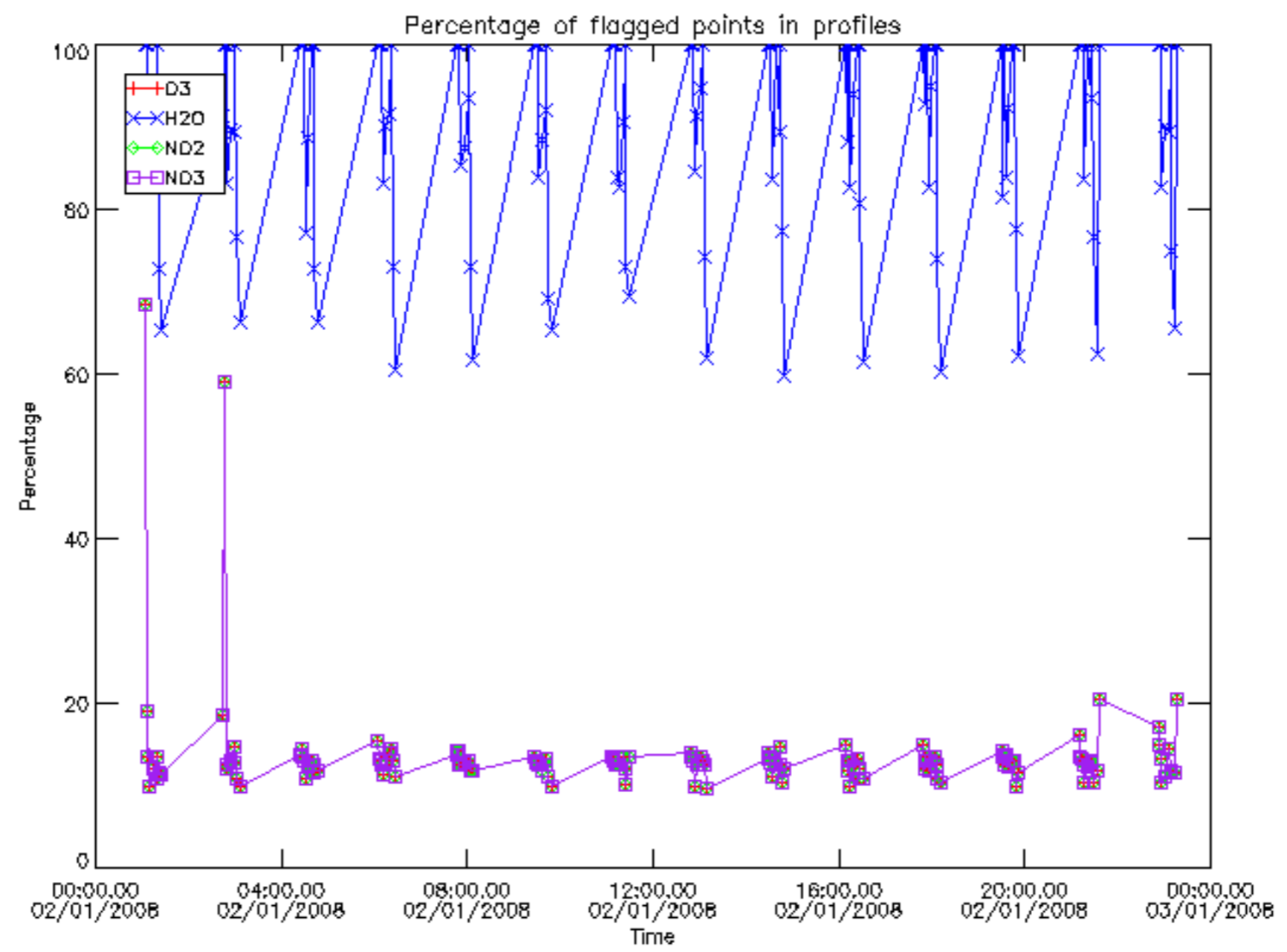
The colorbar represents the latitude.



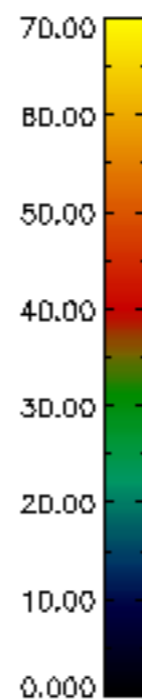
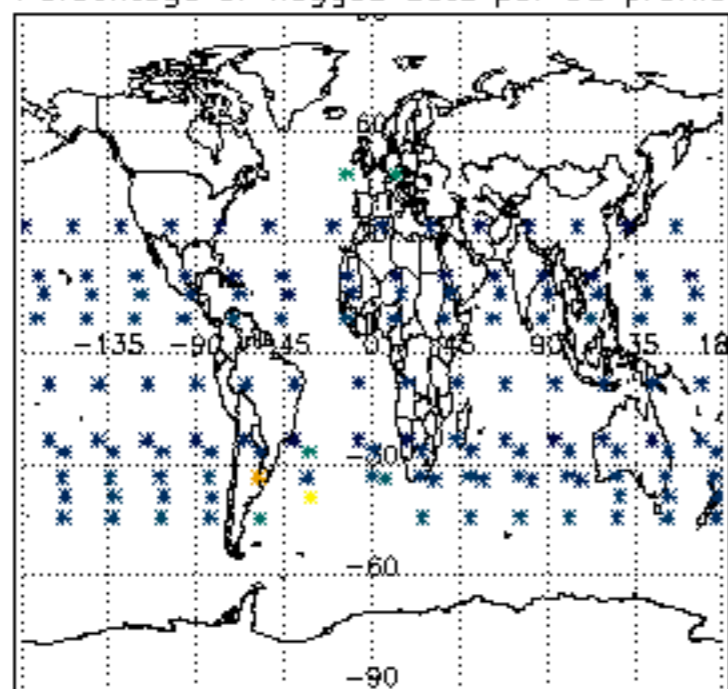
6. Auxiliary Data Files used for the production reported in section 2

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.

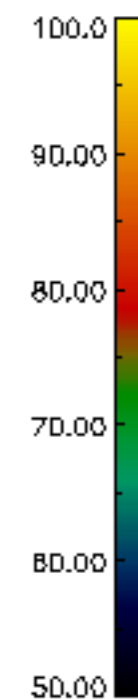
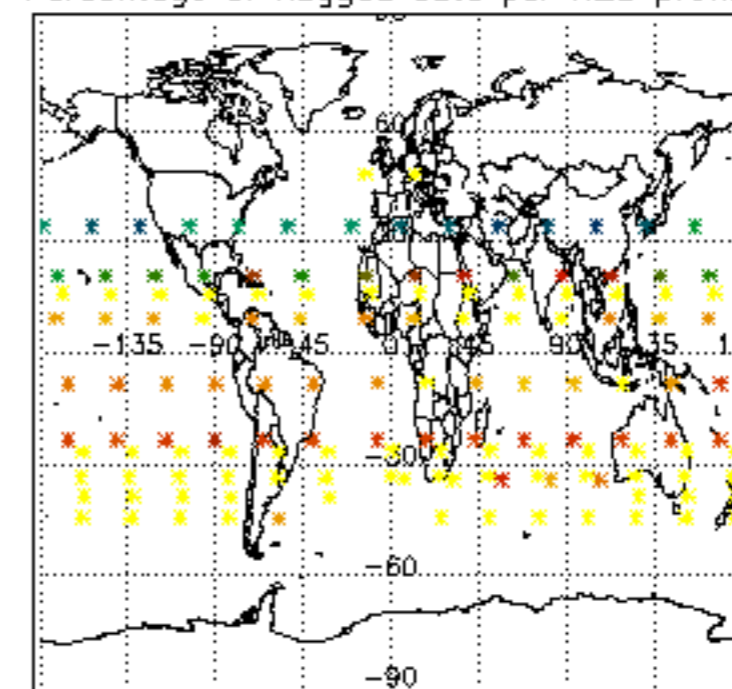
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	02-JAN-2008 00:02:29
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	02-JAN-2008 00:02:29
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	02-JAN-2008 00:02:29



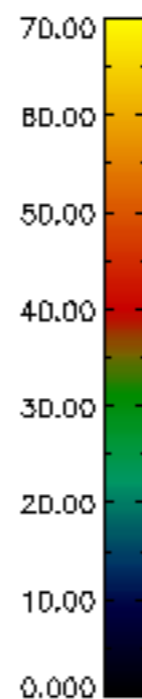
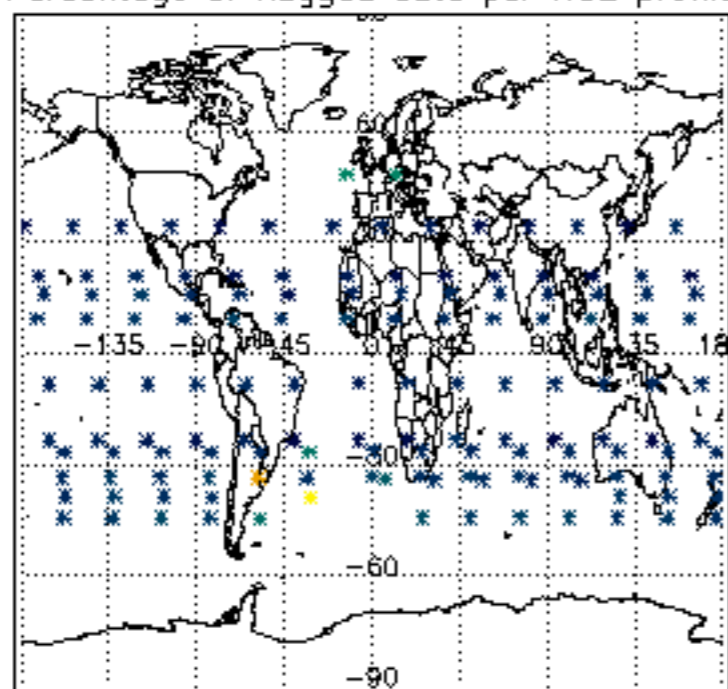
Percentage of flagged data per D3 profile



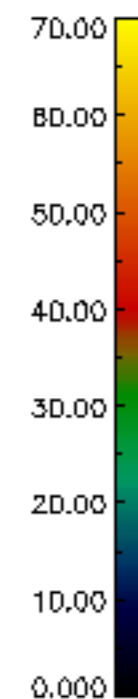
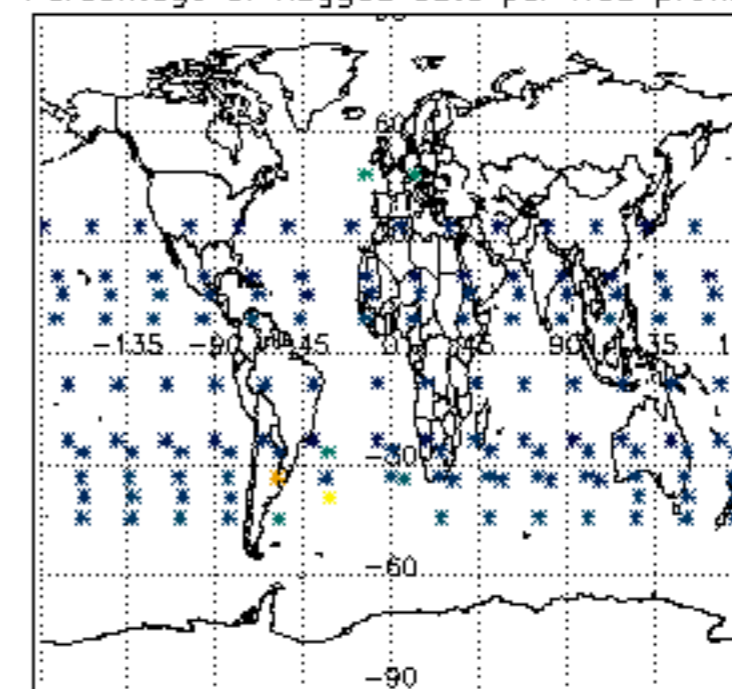
Percentage of flagged data per H2O profile

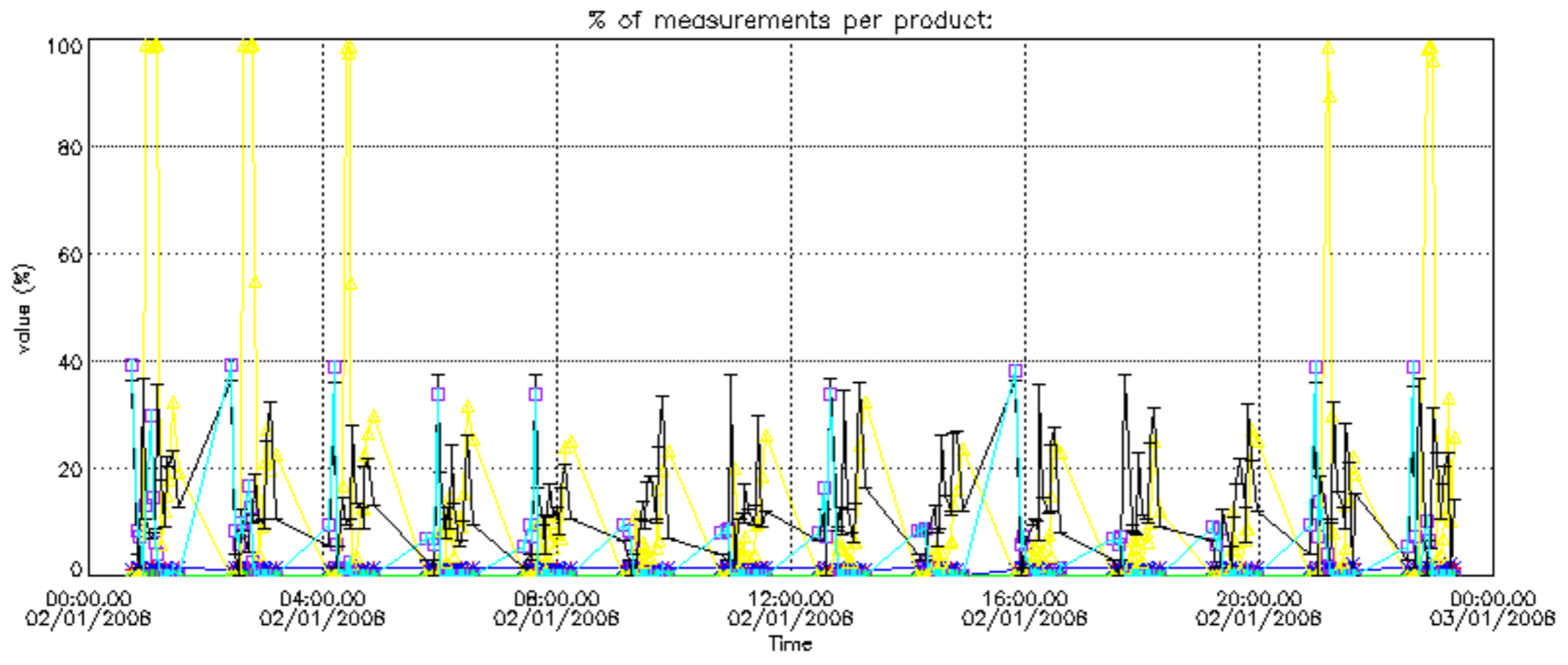


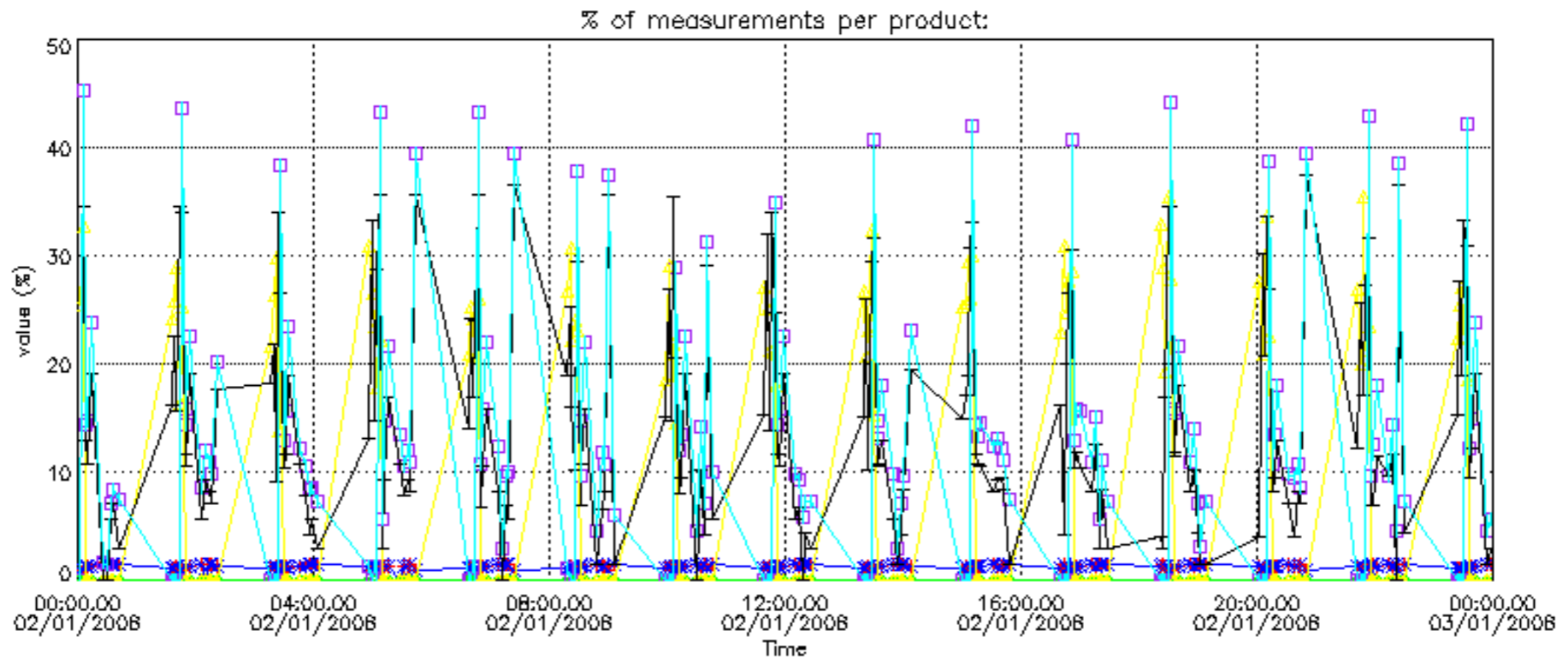
Percentage of flagged data per NO2 profile



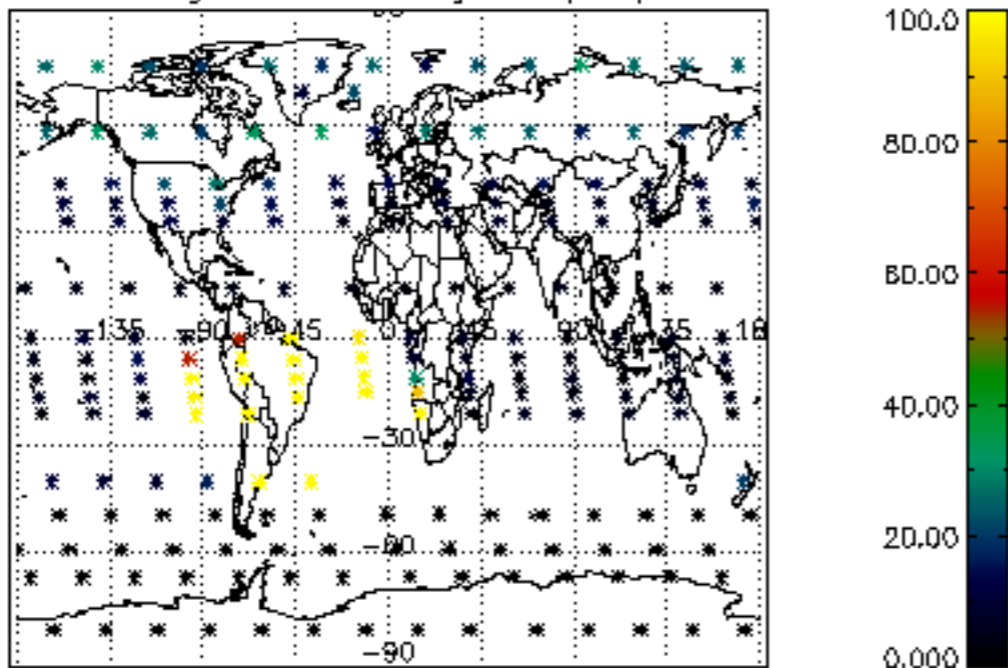
Percentage of flagged data per NO3 profile



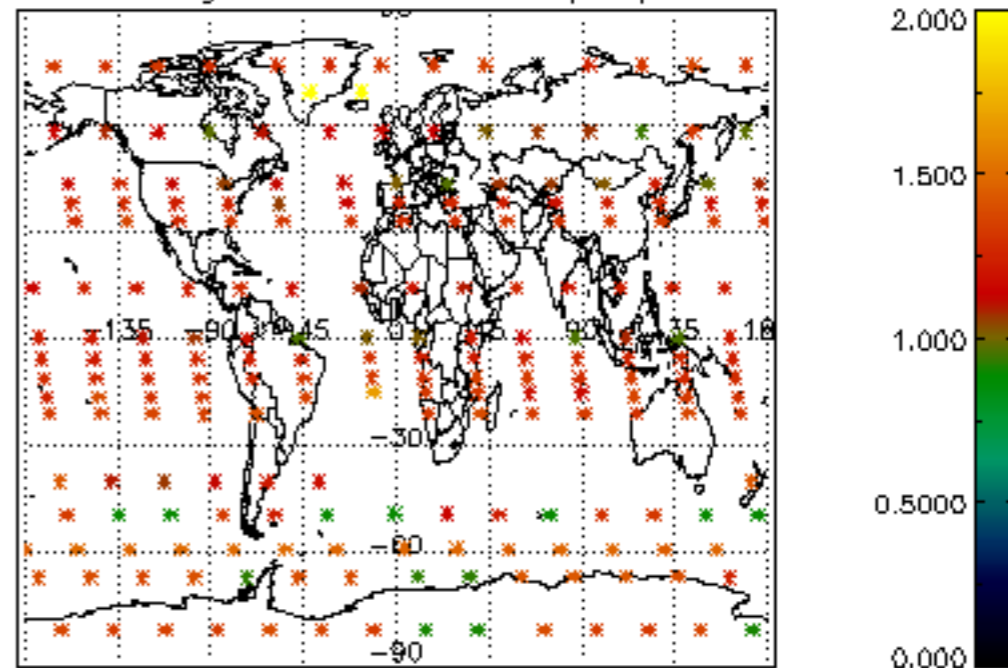




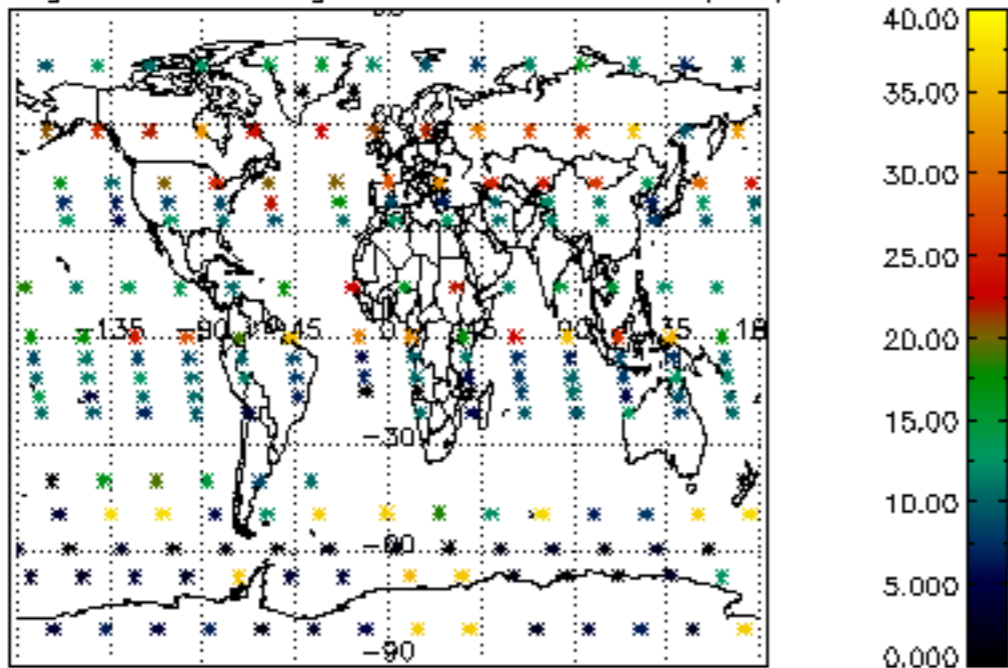
Percentage of cosmic ray hits per profile



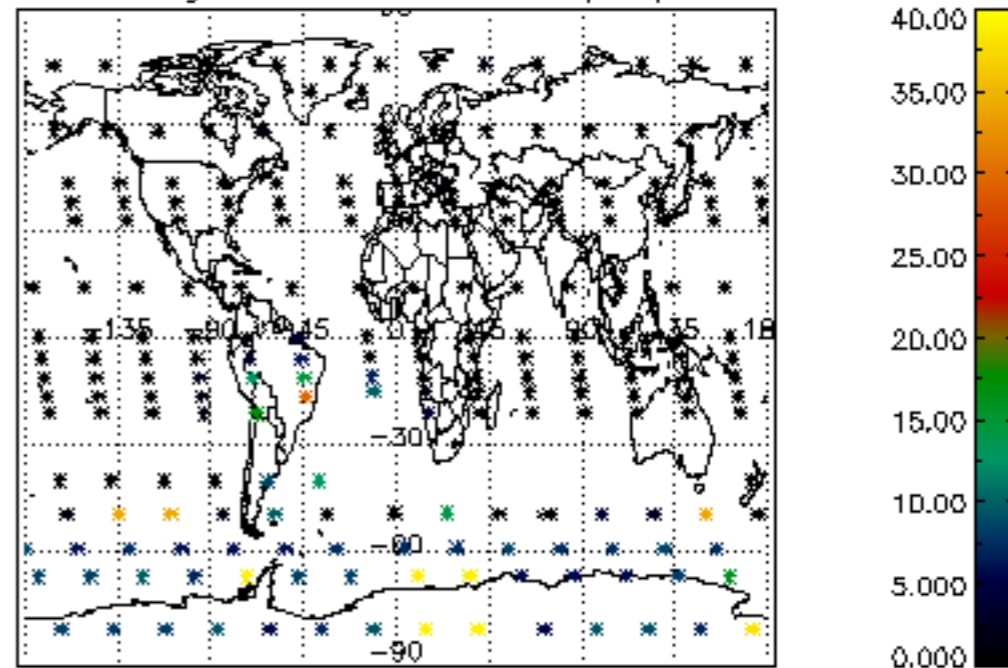
Percentage of datation errors per profile



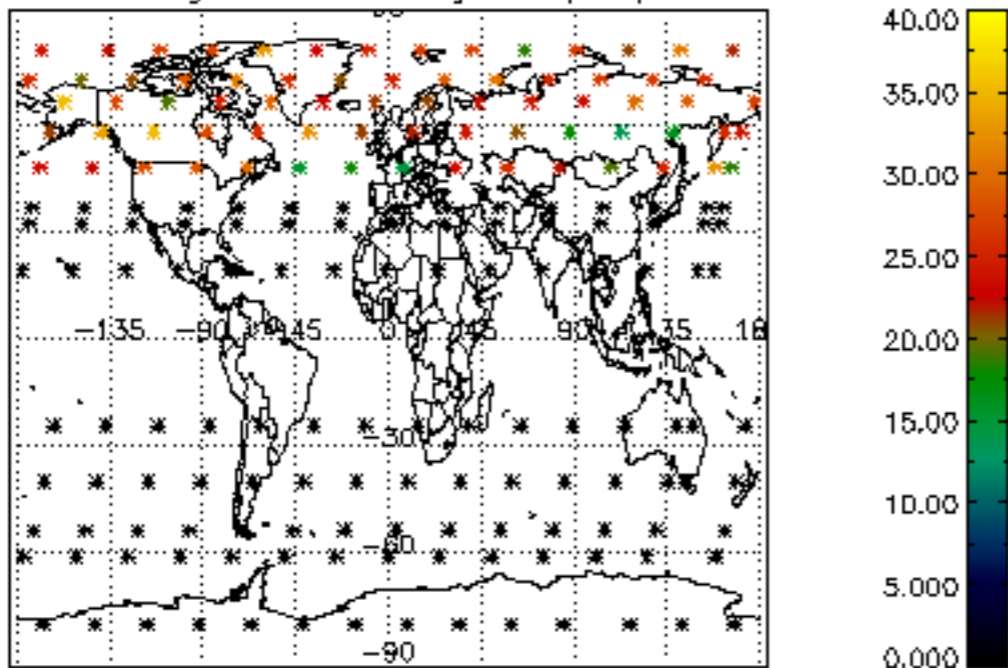
Percentage of star falling outside central band per profile



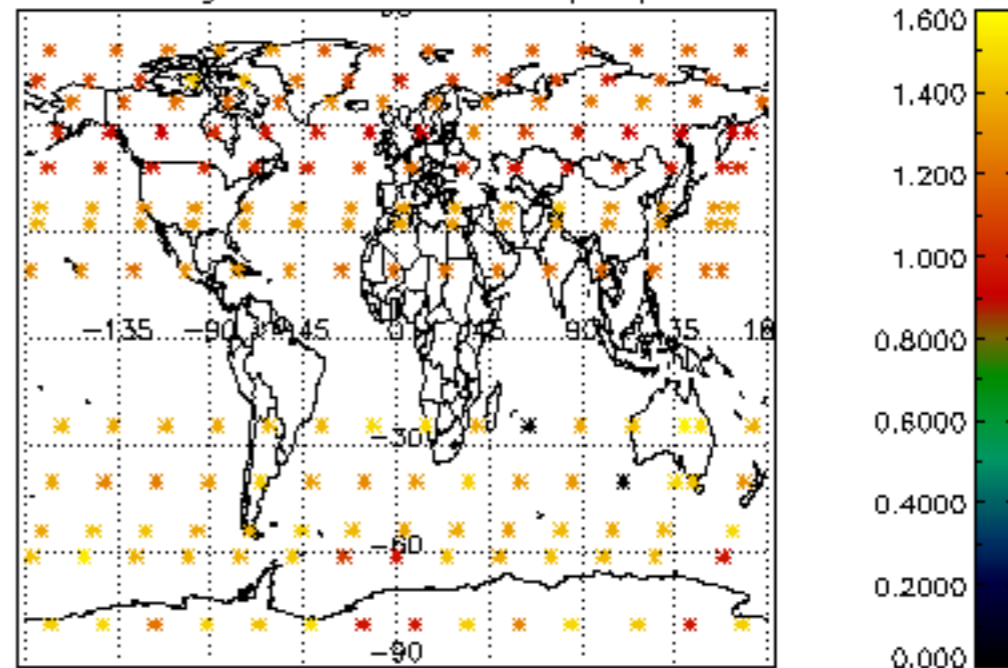
Percentage of saturation errors per profile



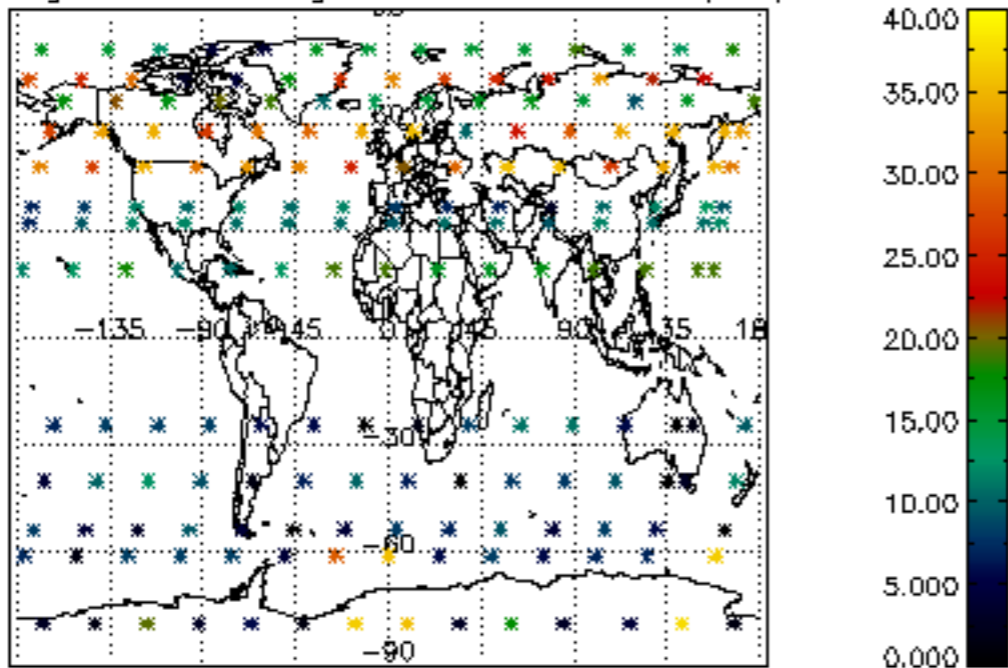
Percentage of cosmic ray hits per profile



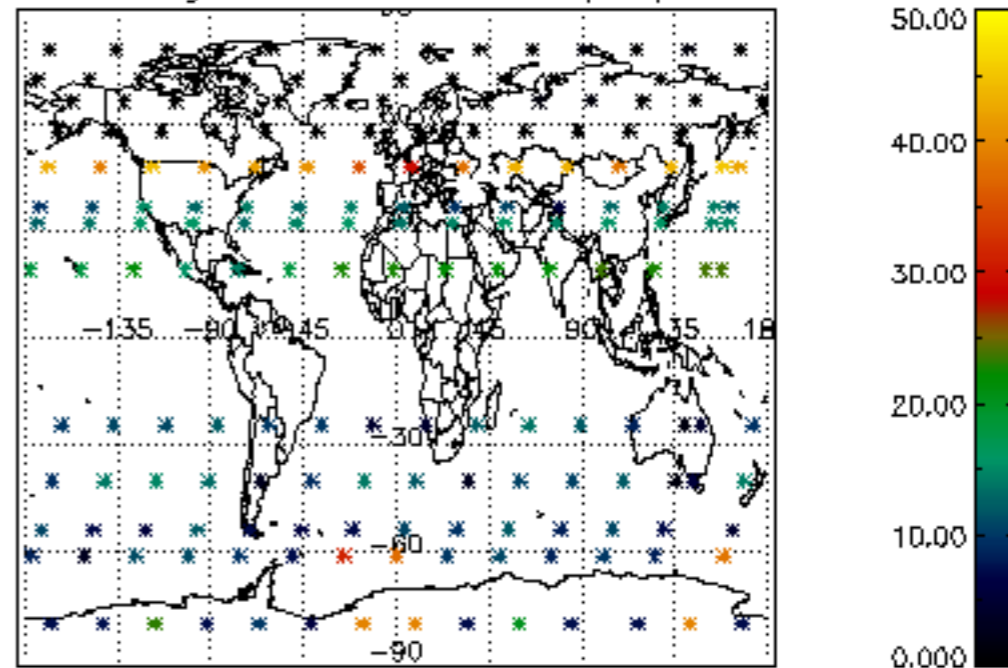
Percentage of datation errors per profile

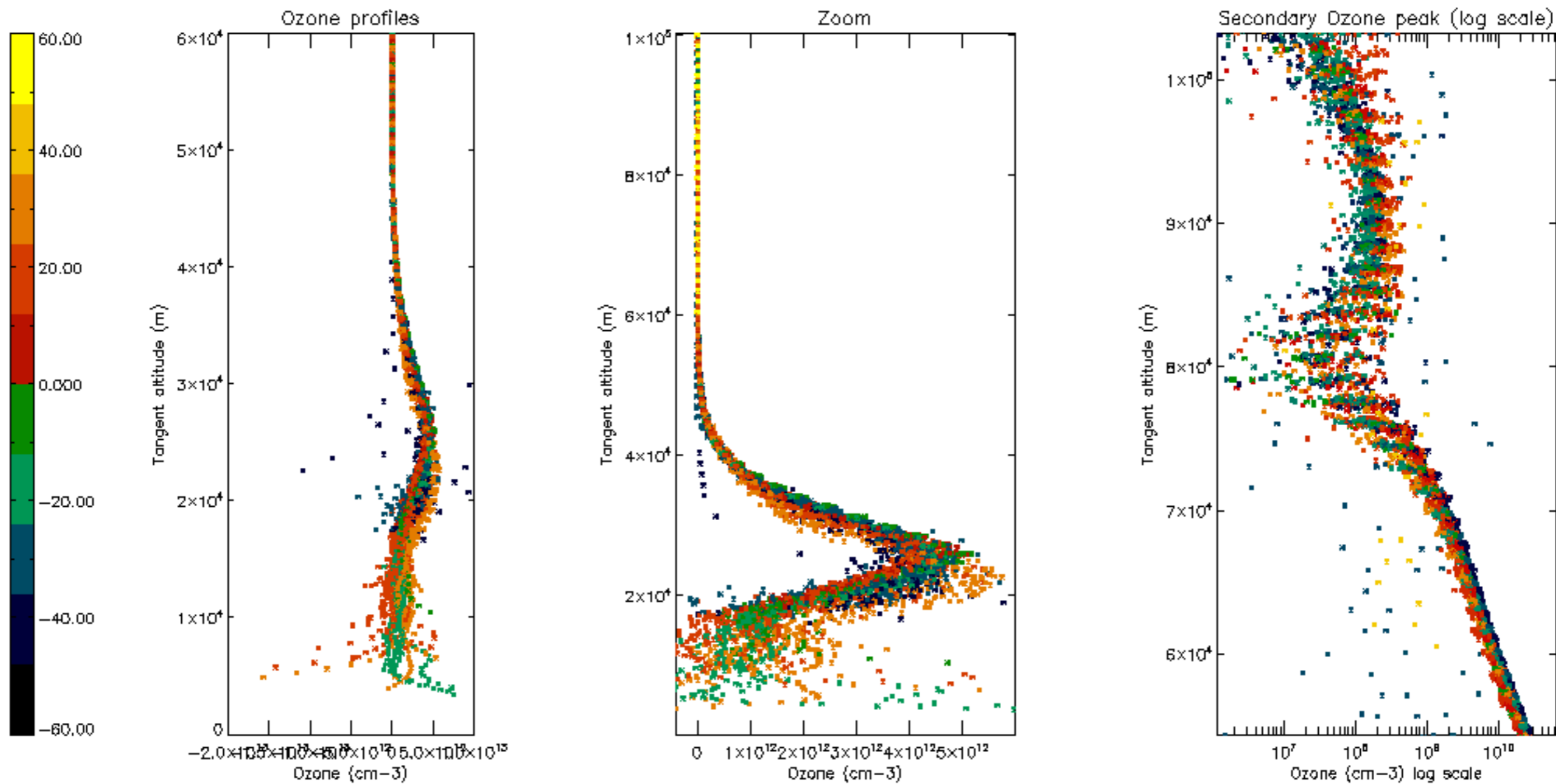


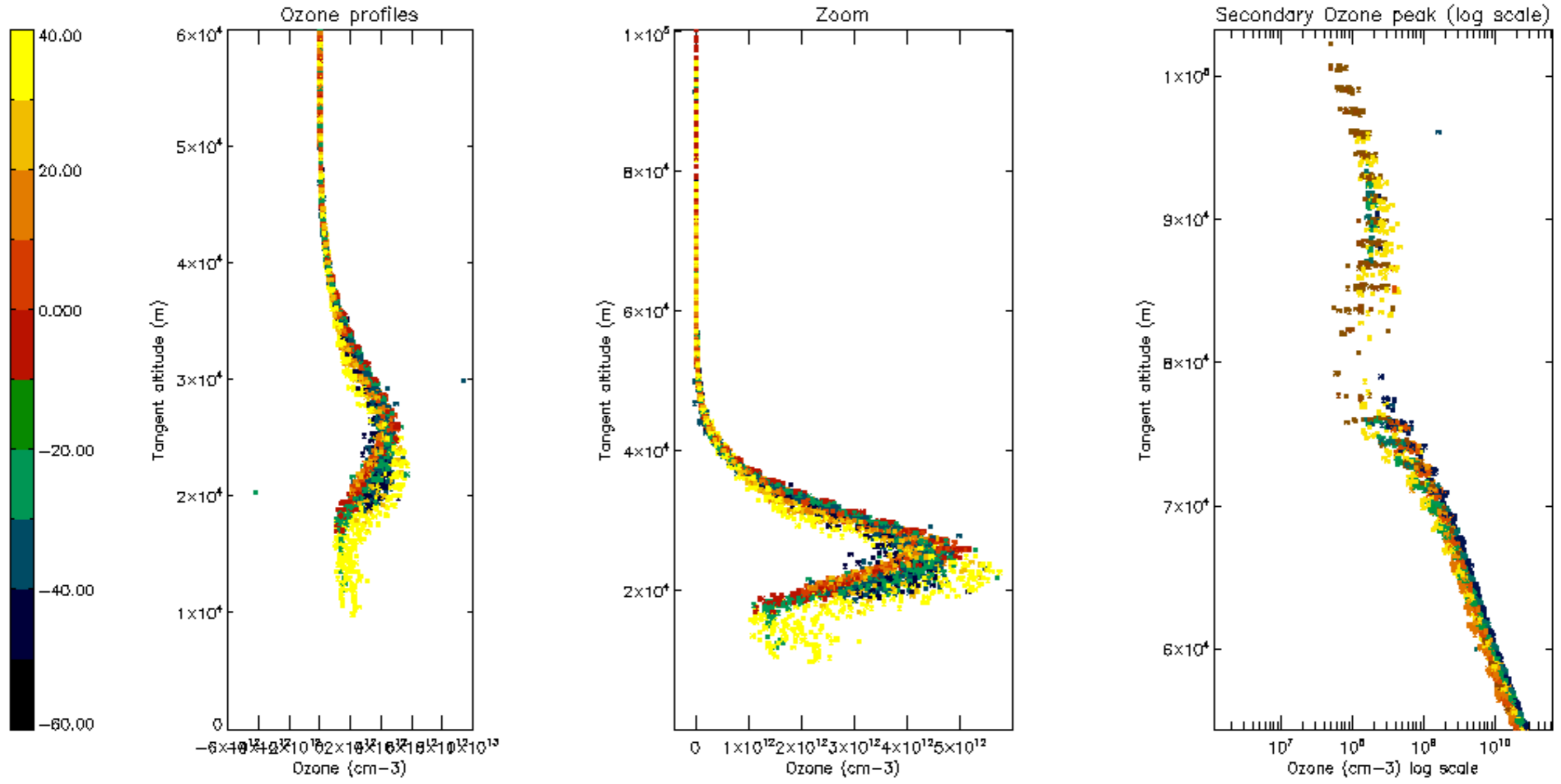
Percentage of star falling outside central band per profile

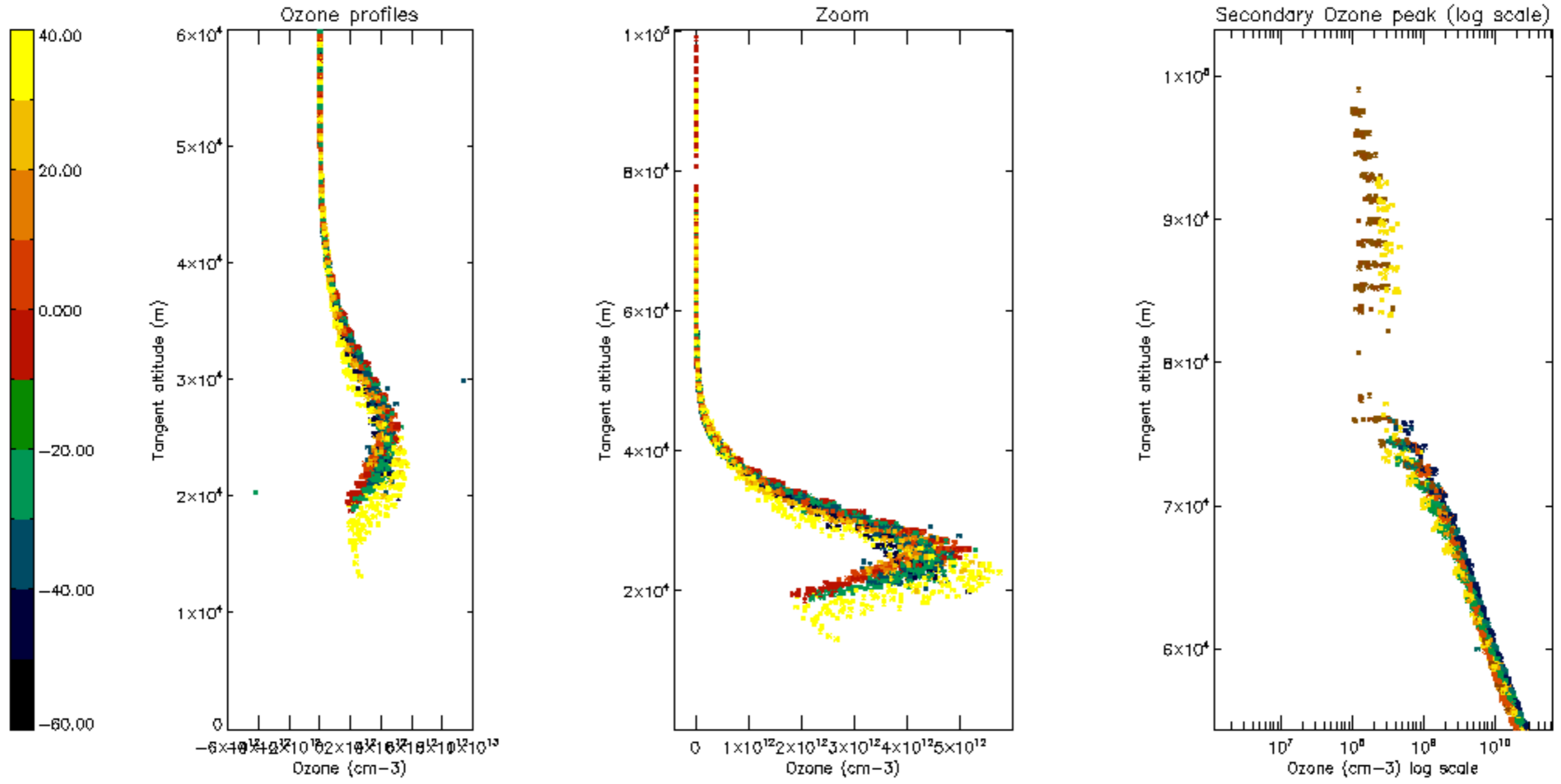


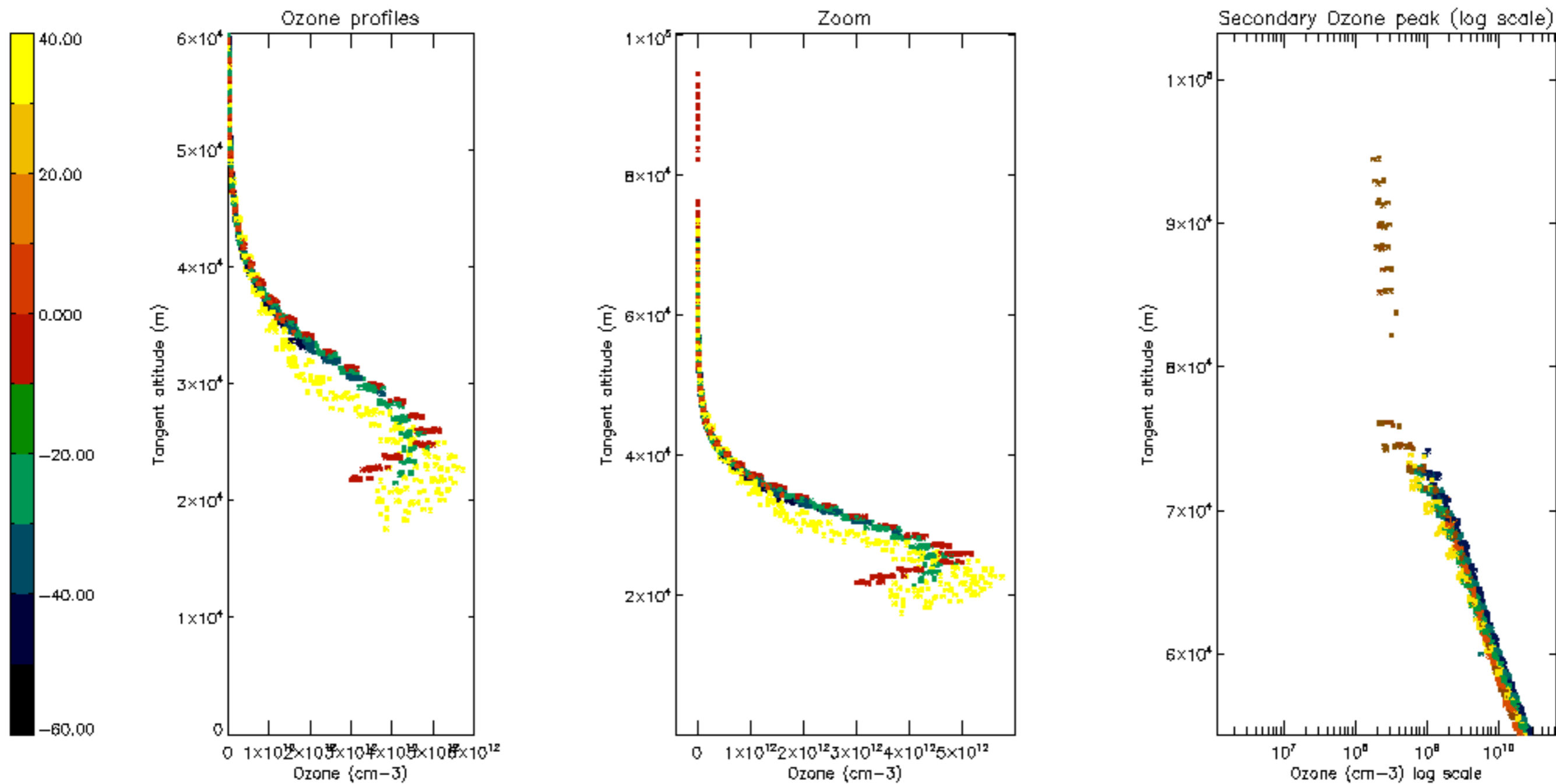
Percentage of saturation errors per profile

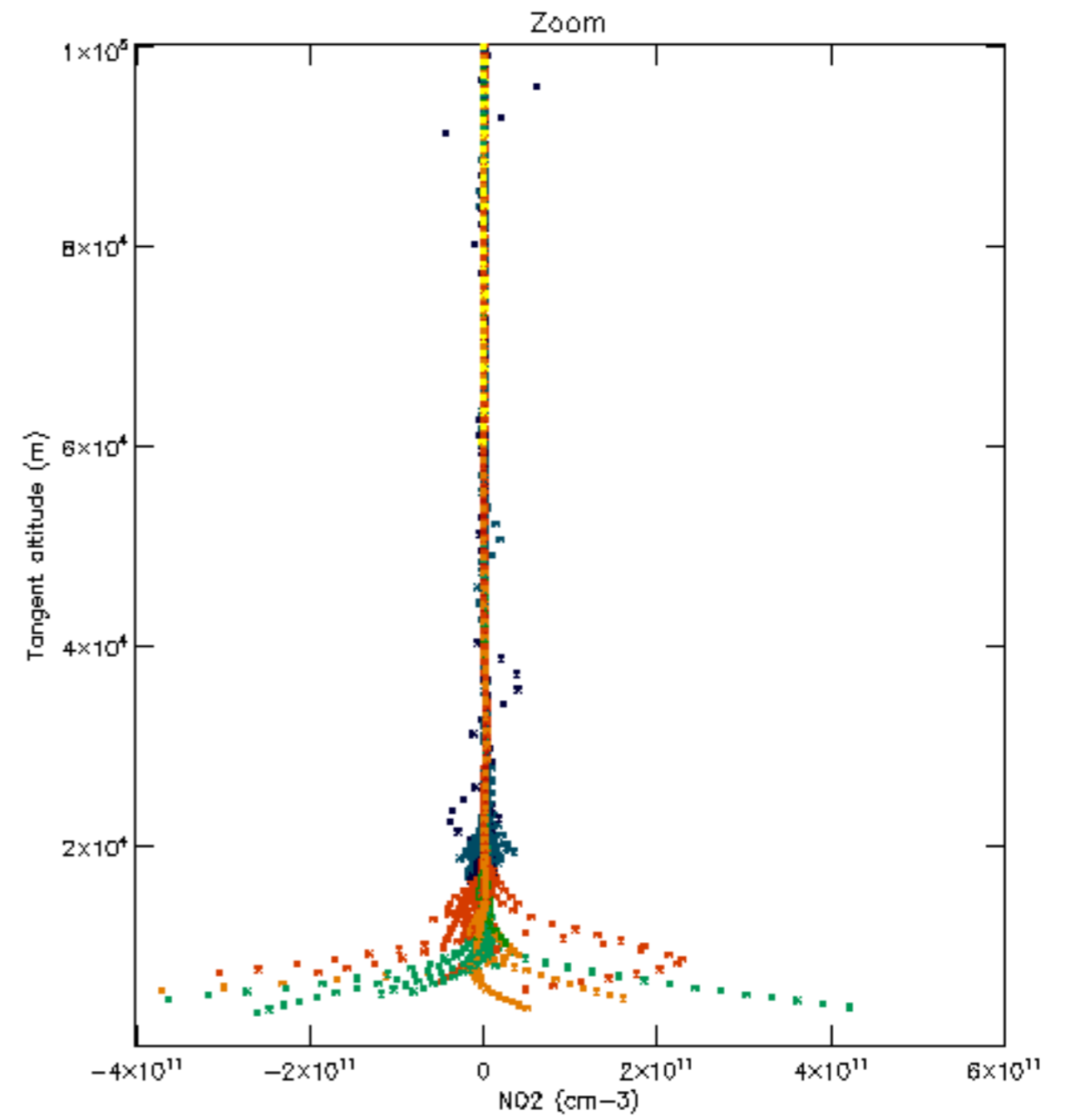
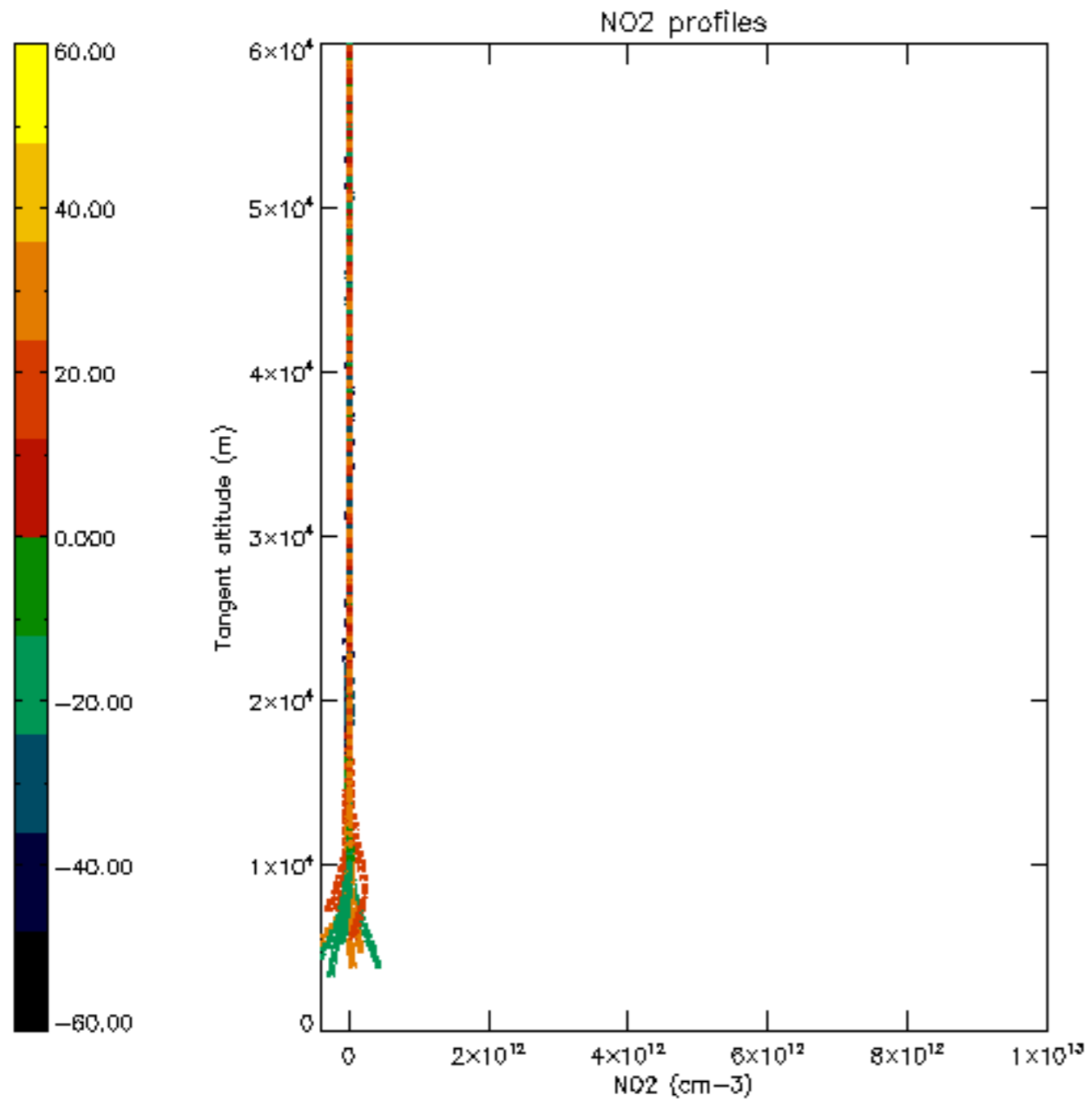


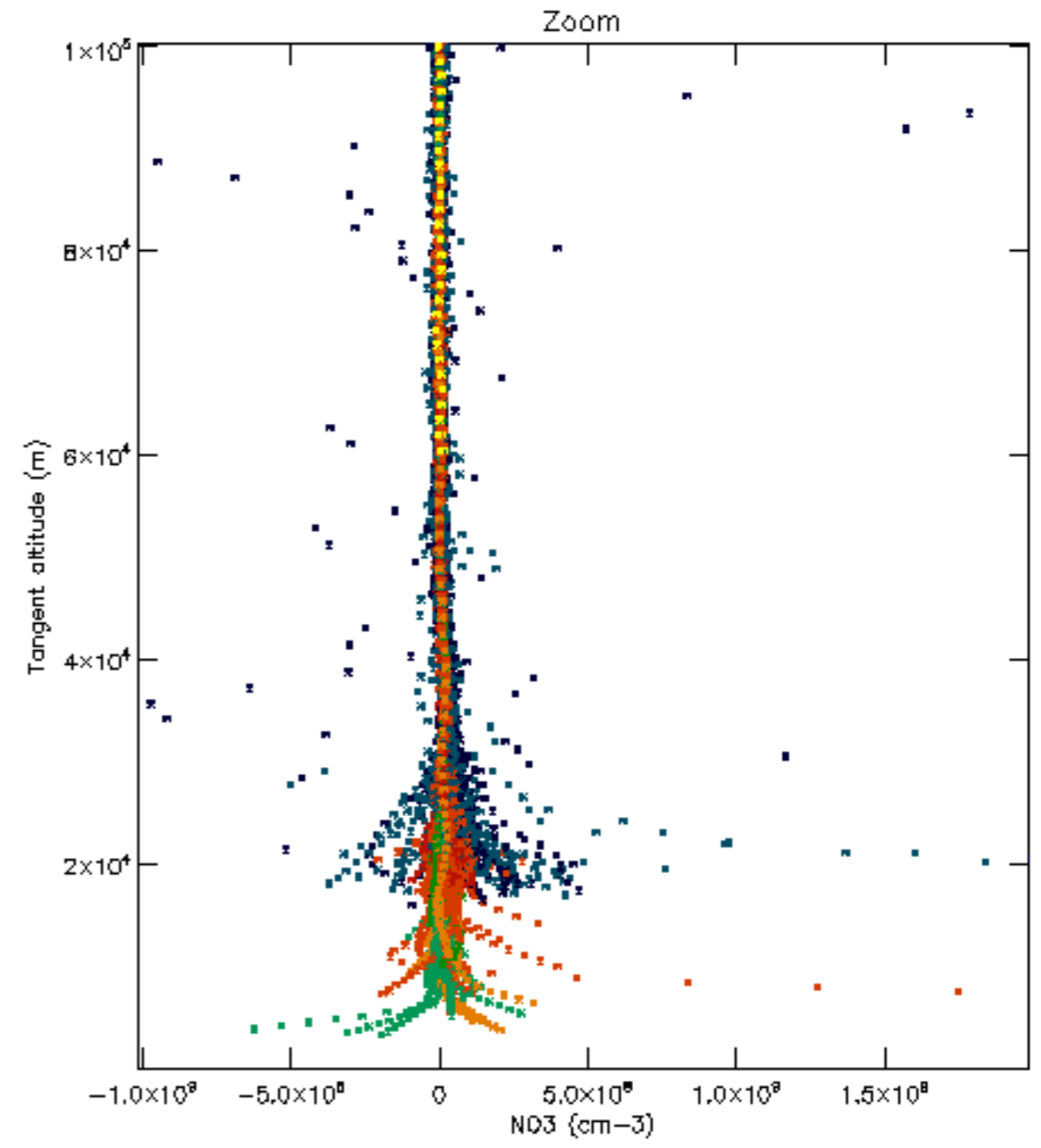
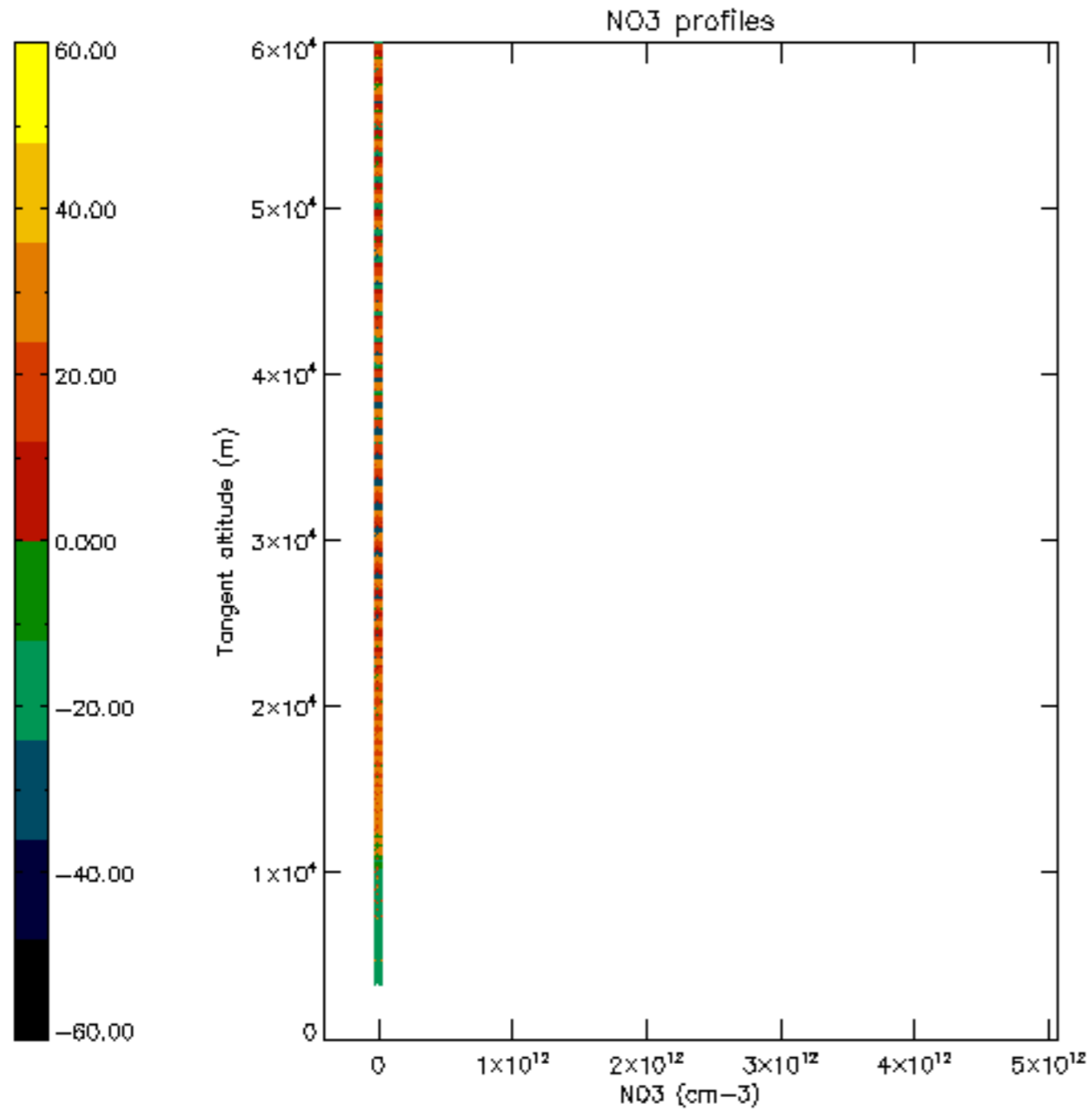


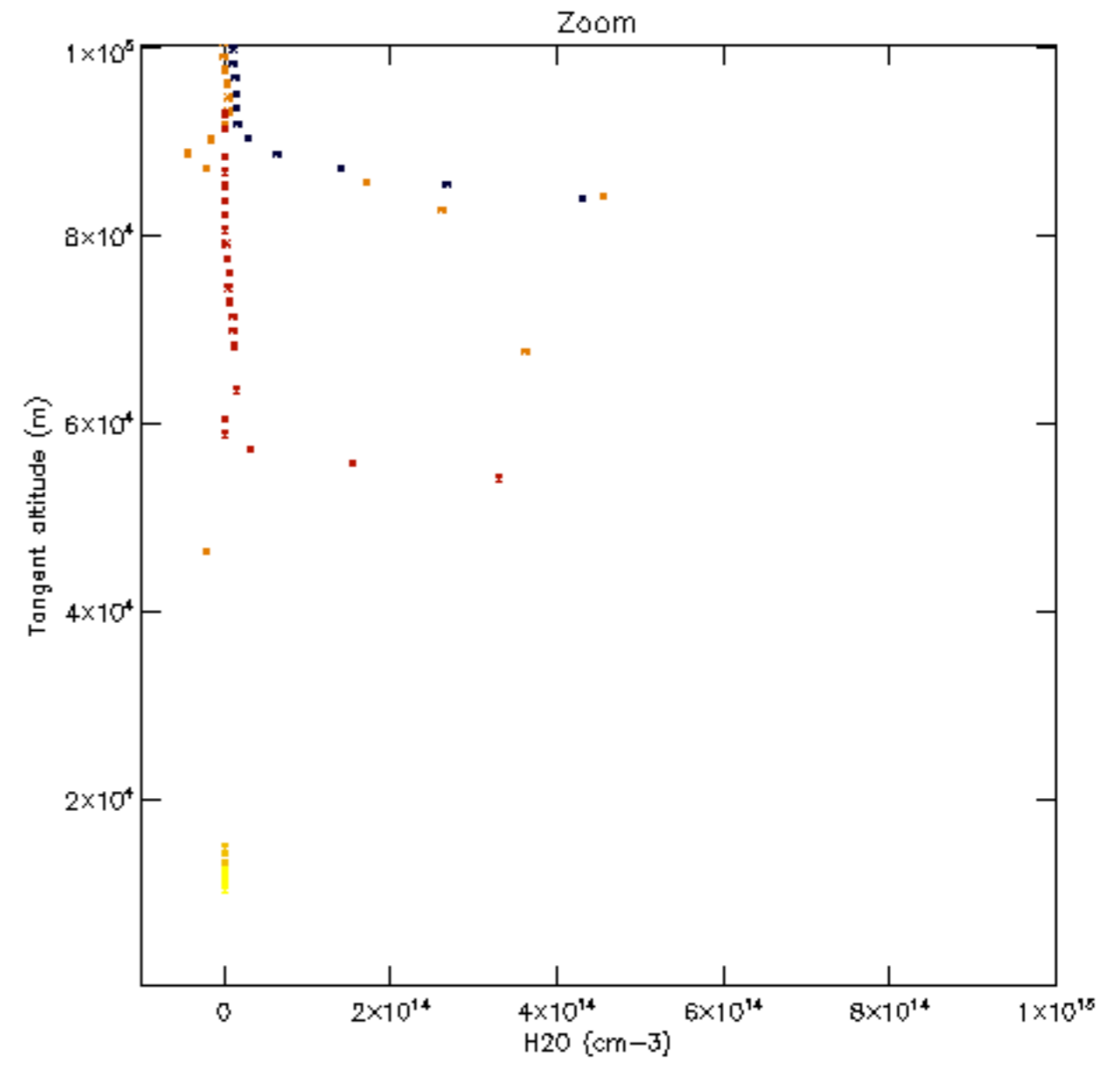
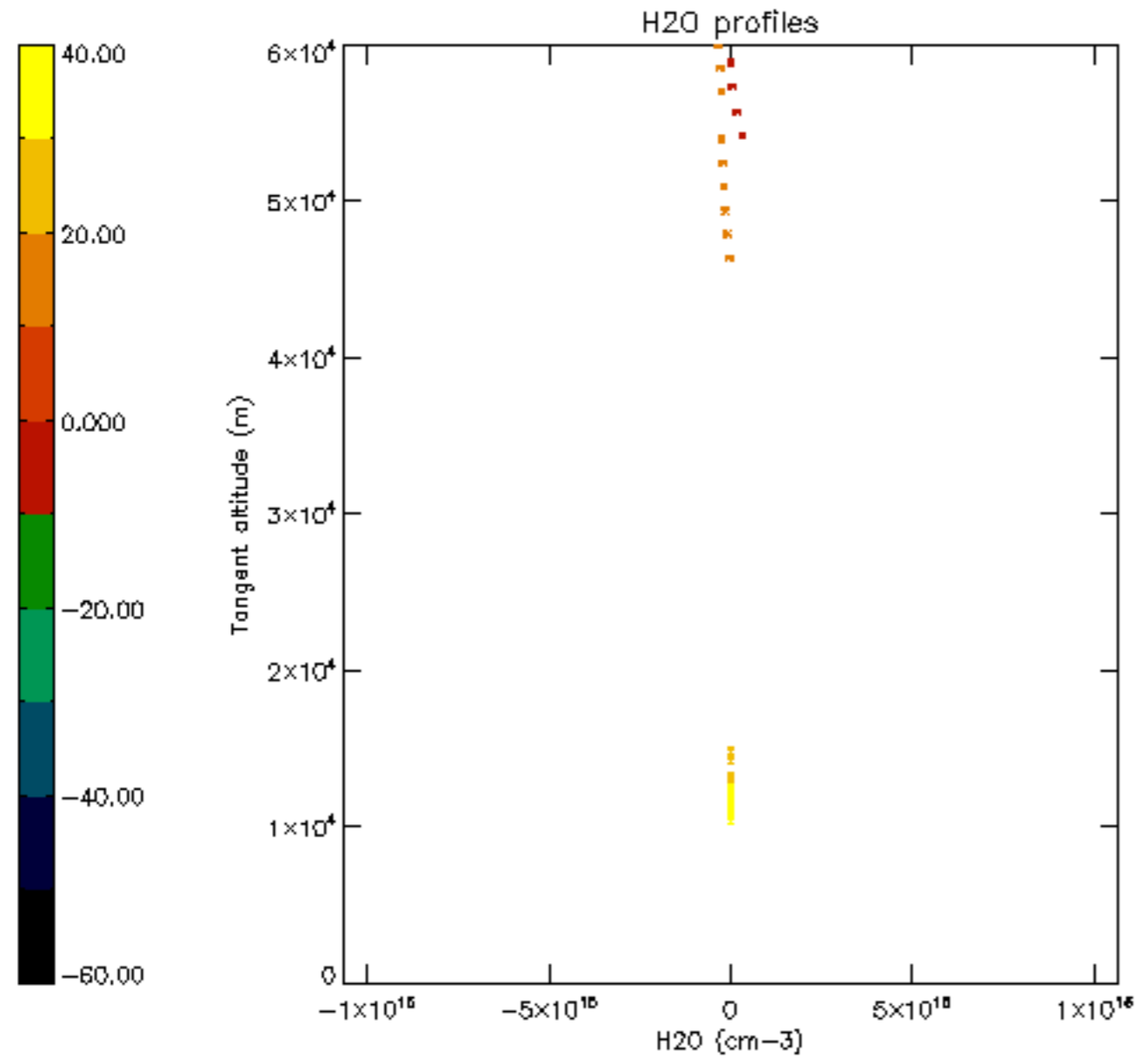


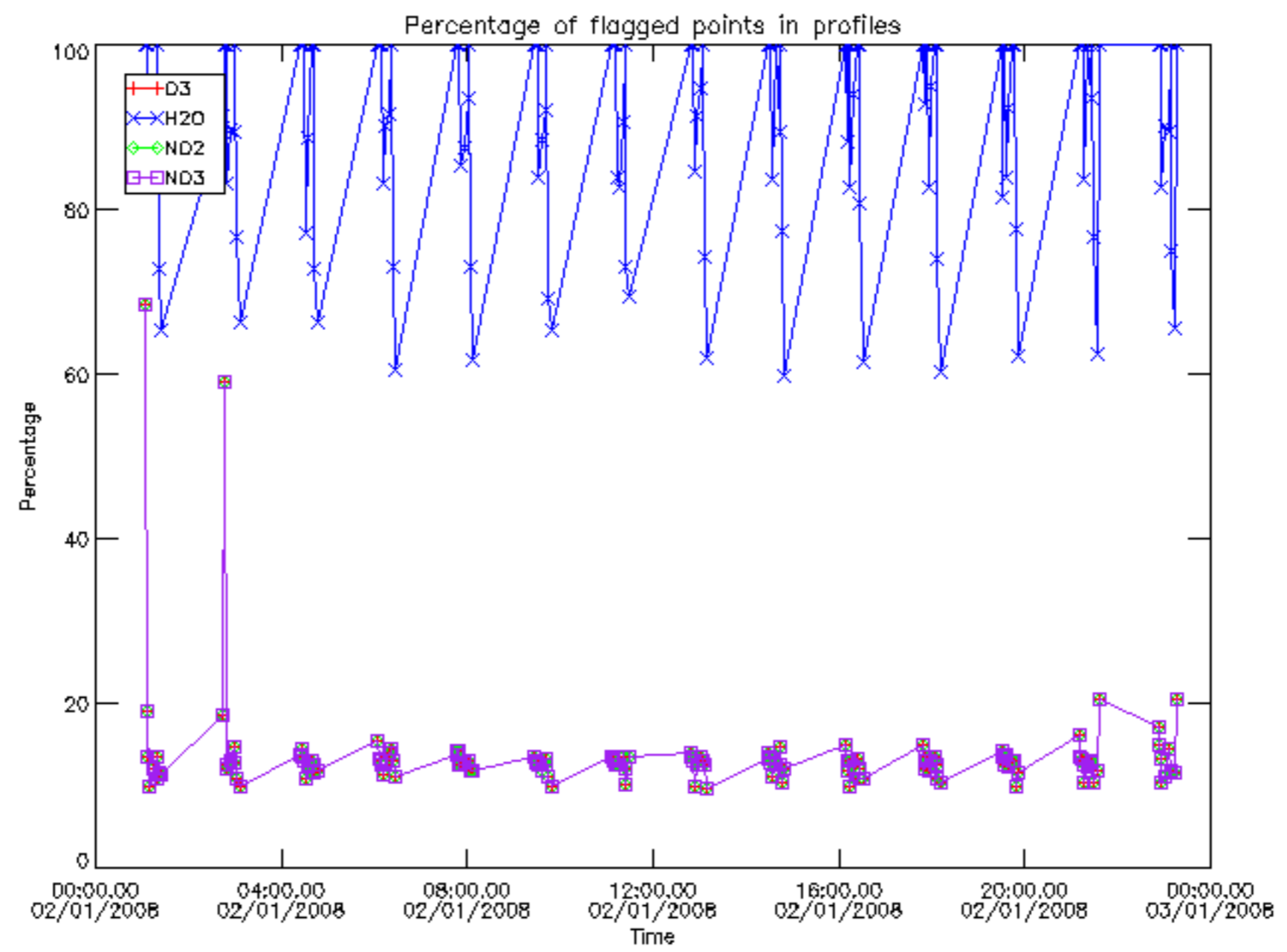




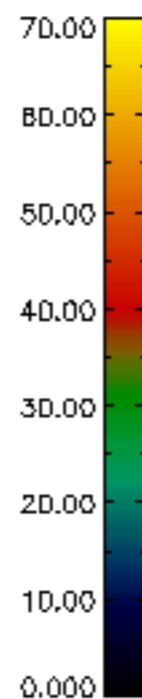
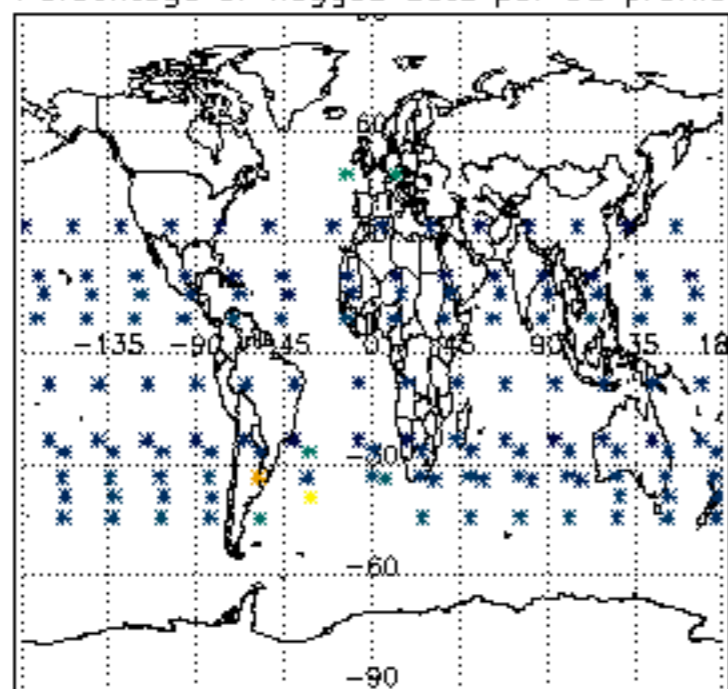




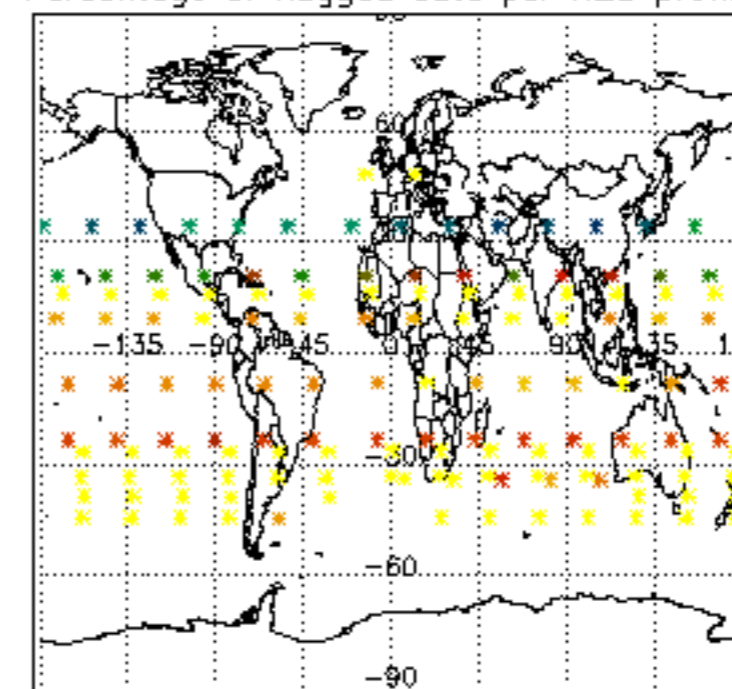




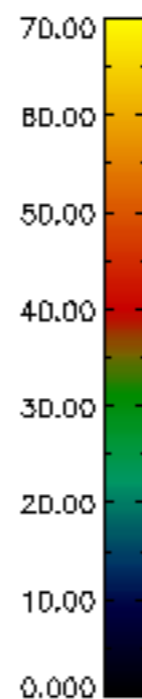
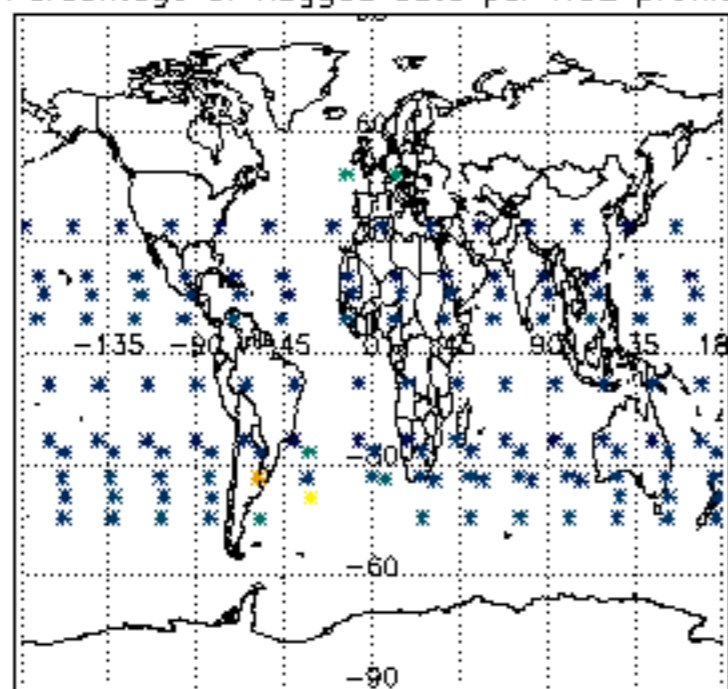
Percentage of flagged data per D3 profile



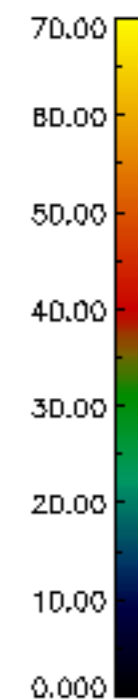
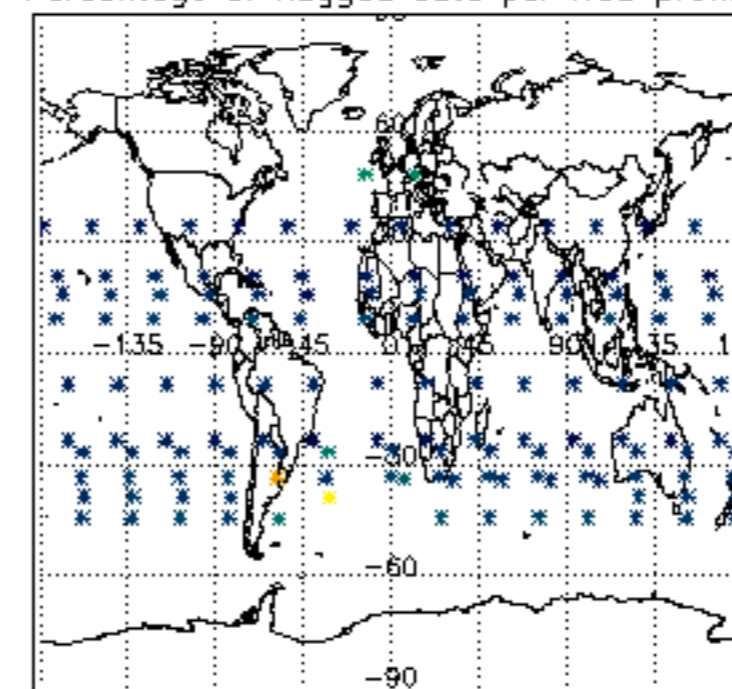
Percentage of flagged data per H2O profile

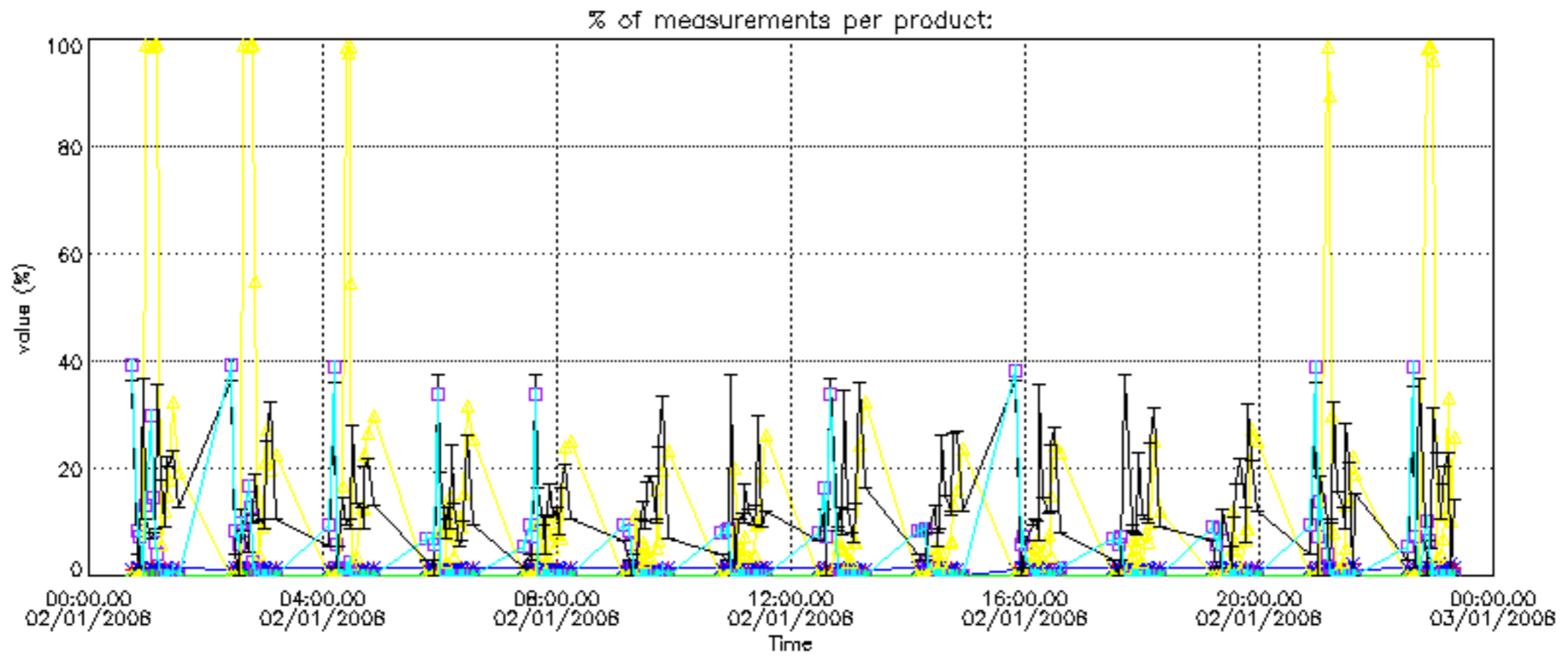


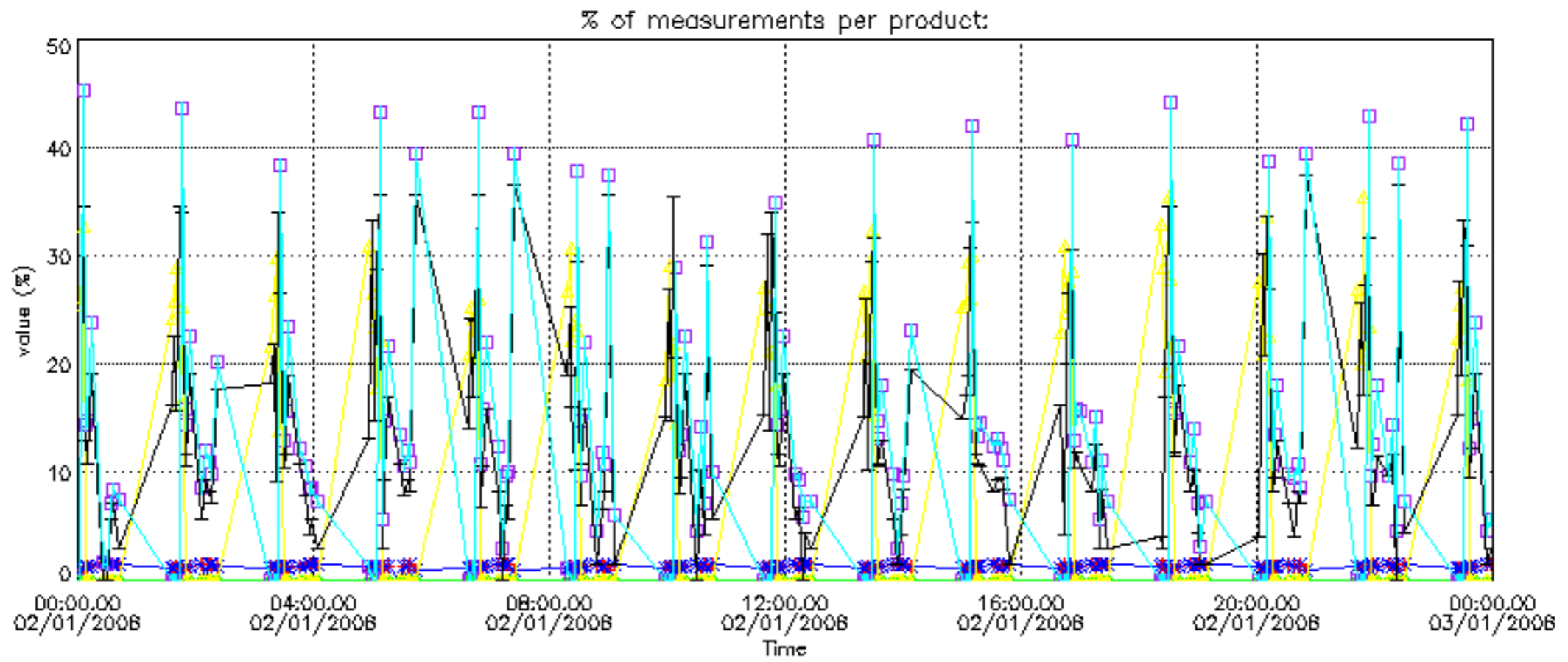
Percentage of flagged data per NO2 profile



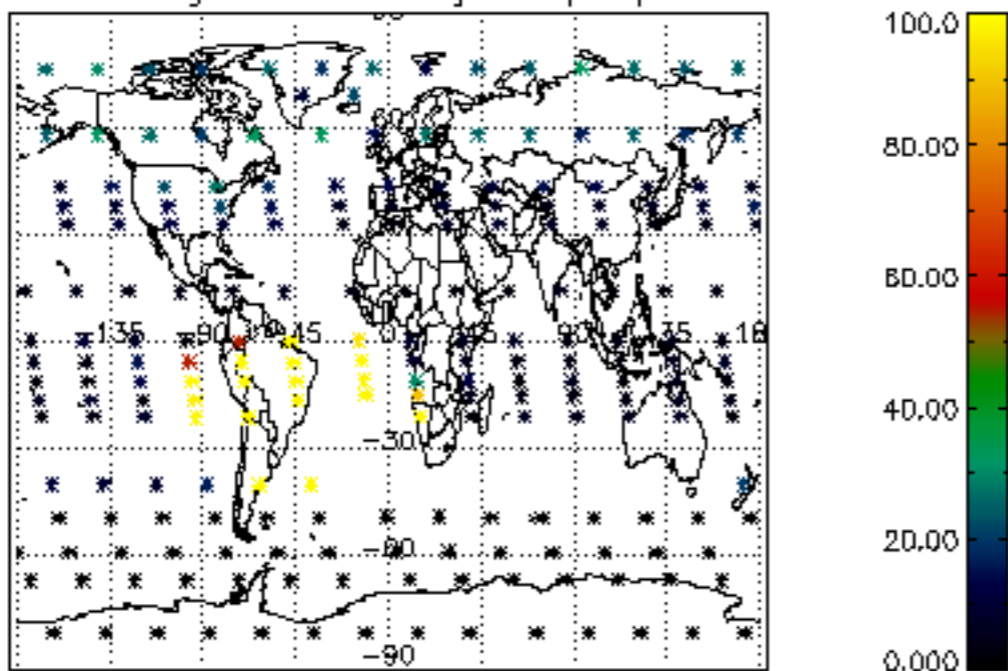
Percentage of flagged data per NO3 profile



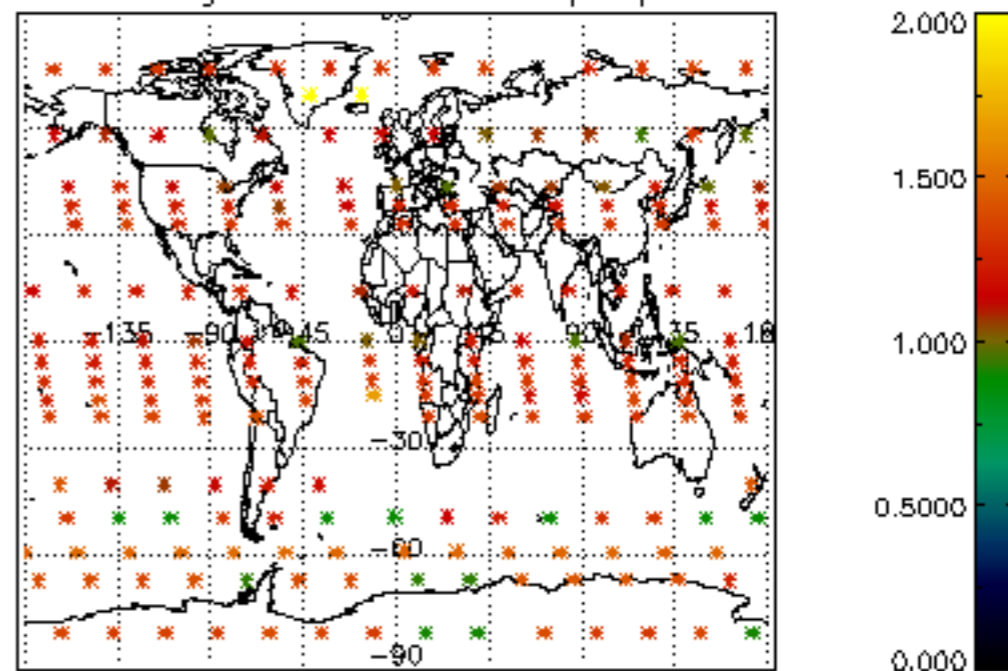




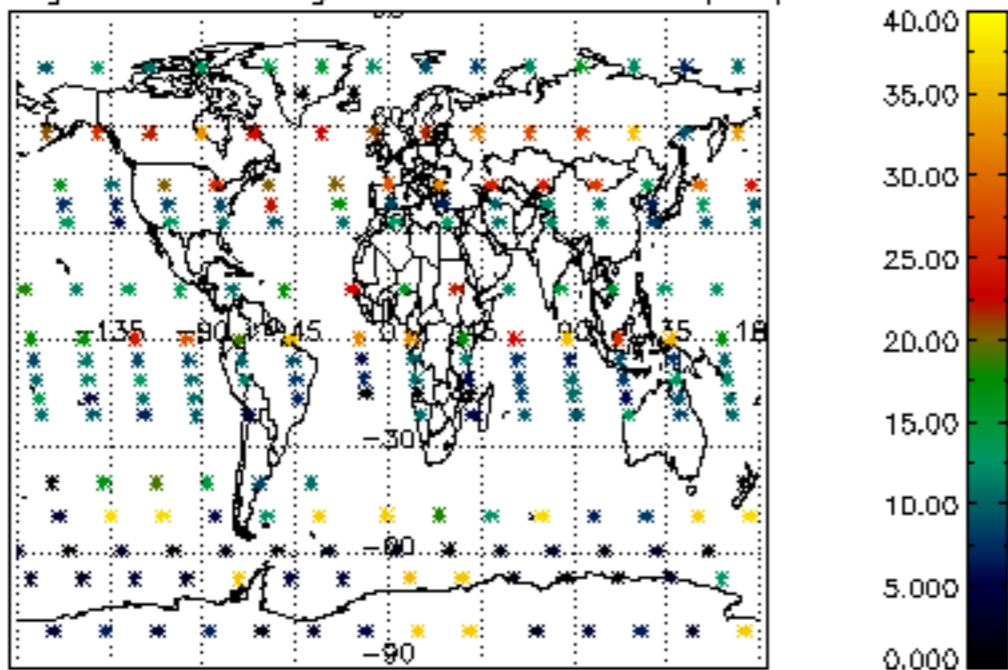
Percentage of cosmic ray hits per profile



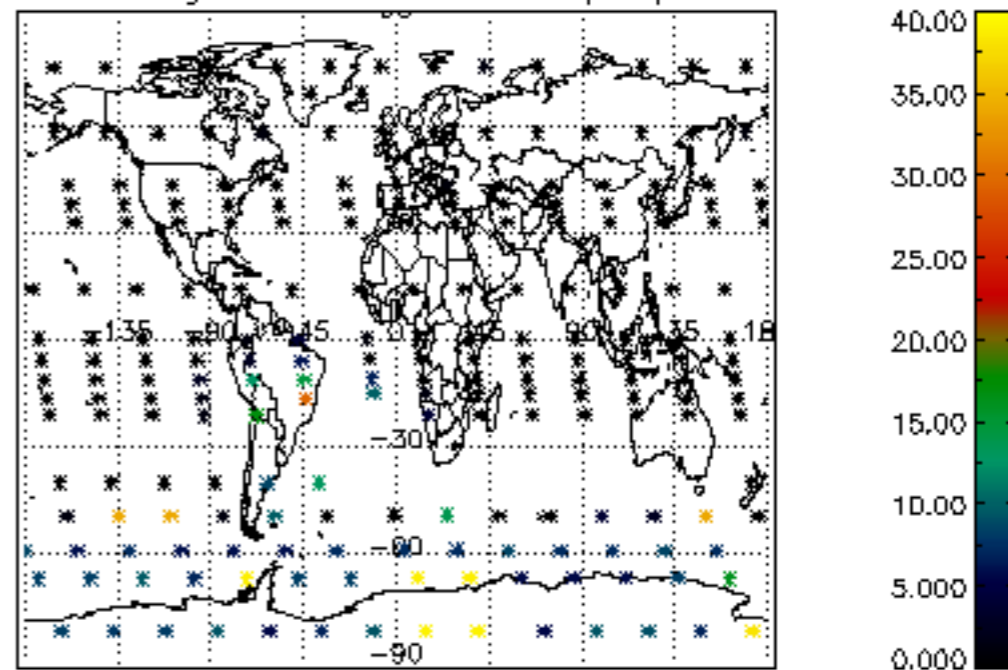
Percentage of datation errors per profile



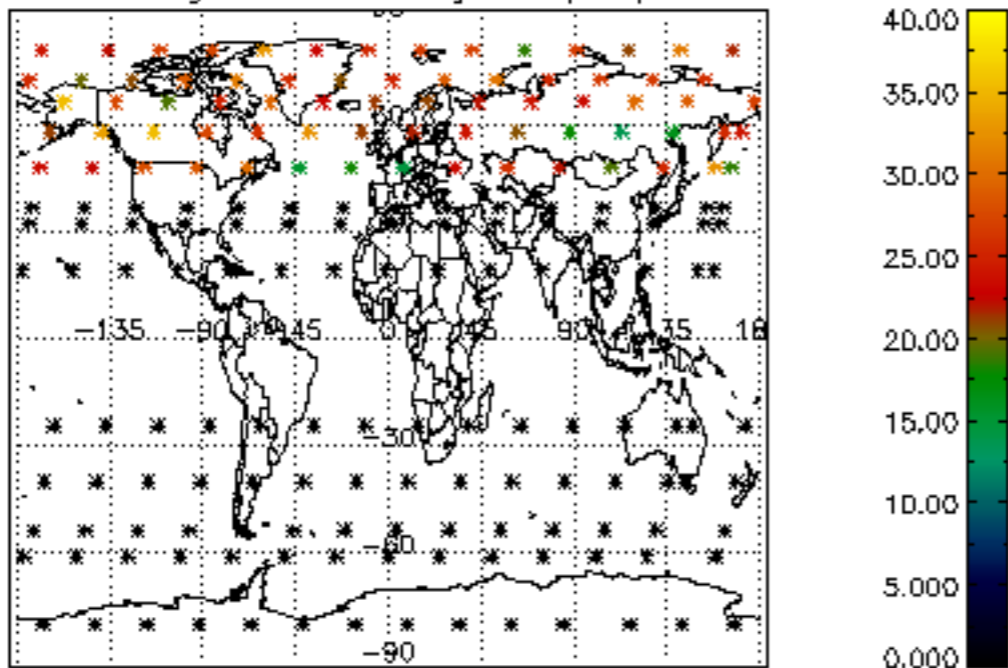
Percentage of star falling outside central band per profile



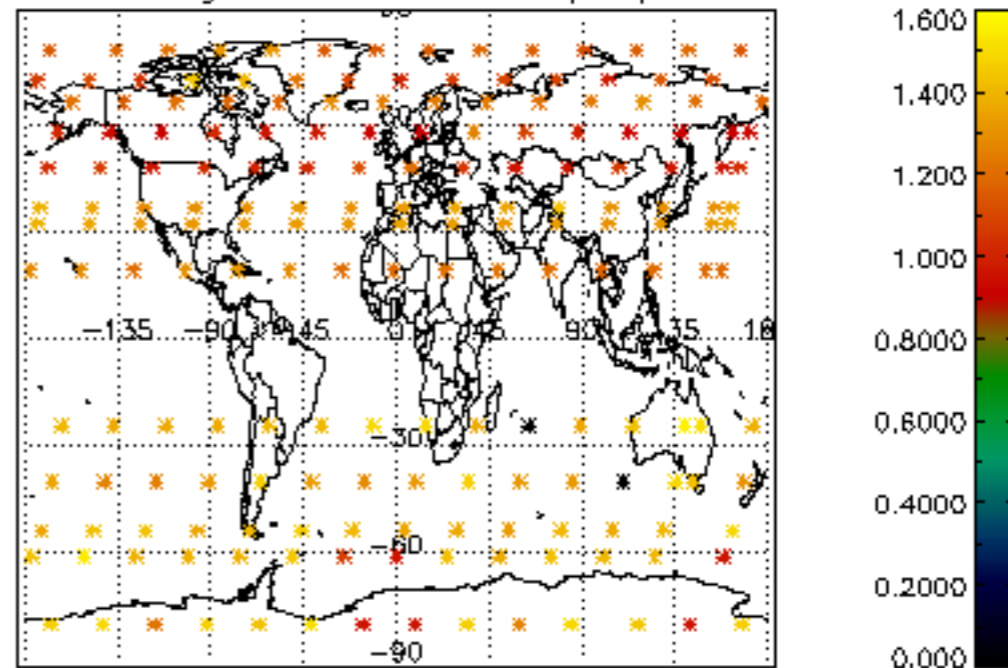
Percentage of saturation errors per profile



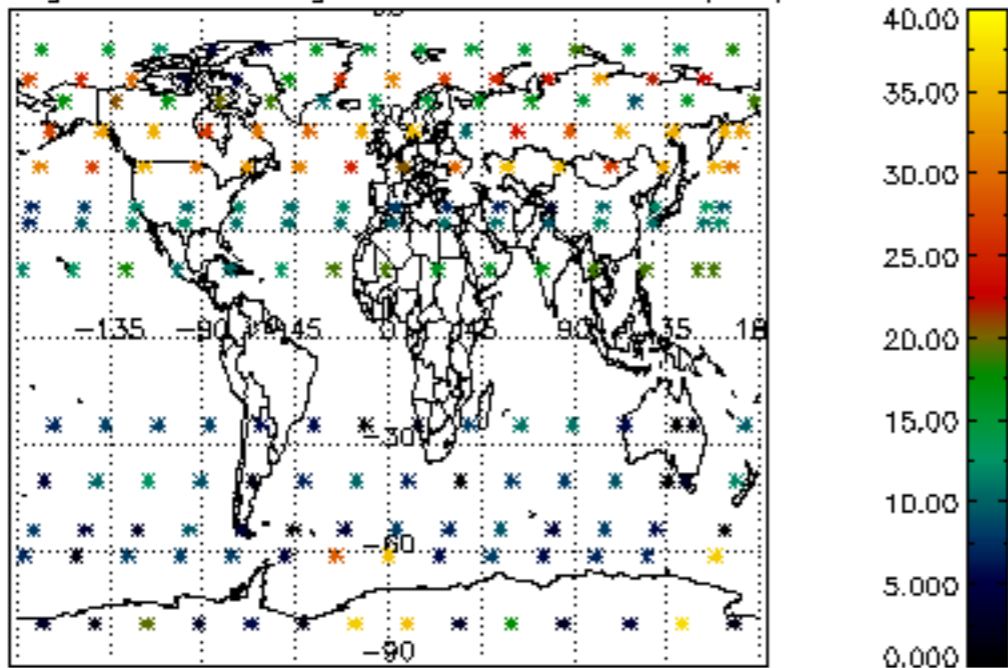
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

