

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	25APR2013 21:21:06
Data source version	GOMOS/6.01
Start time of products	24-10-2008 (24OCT2008 00:00:00)
Stop time of products	25-10-2008 (25OCT2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	244
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

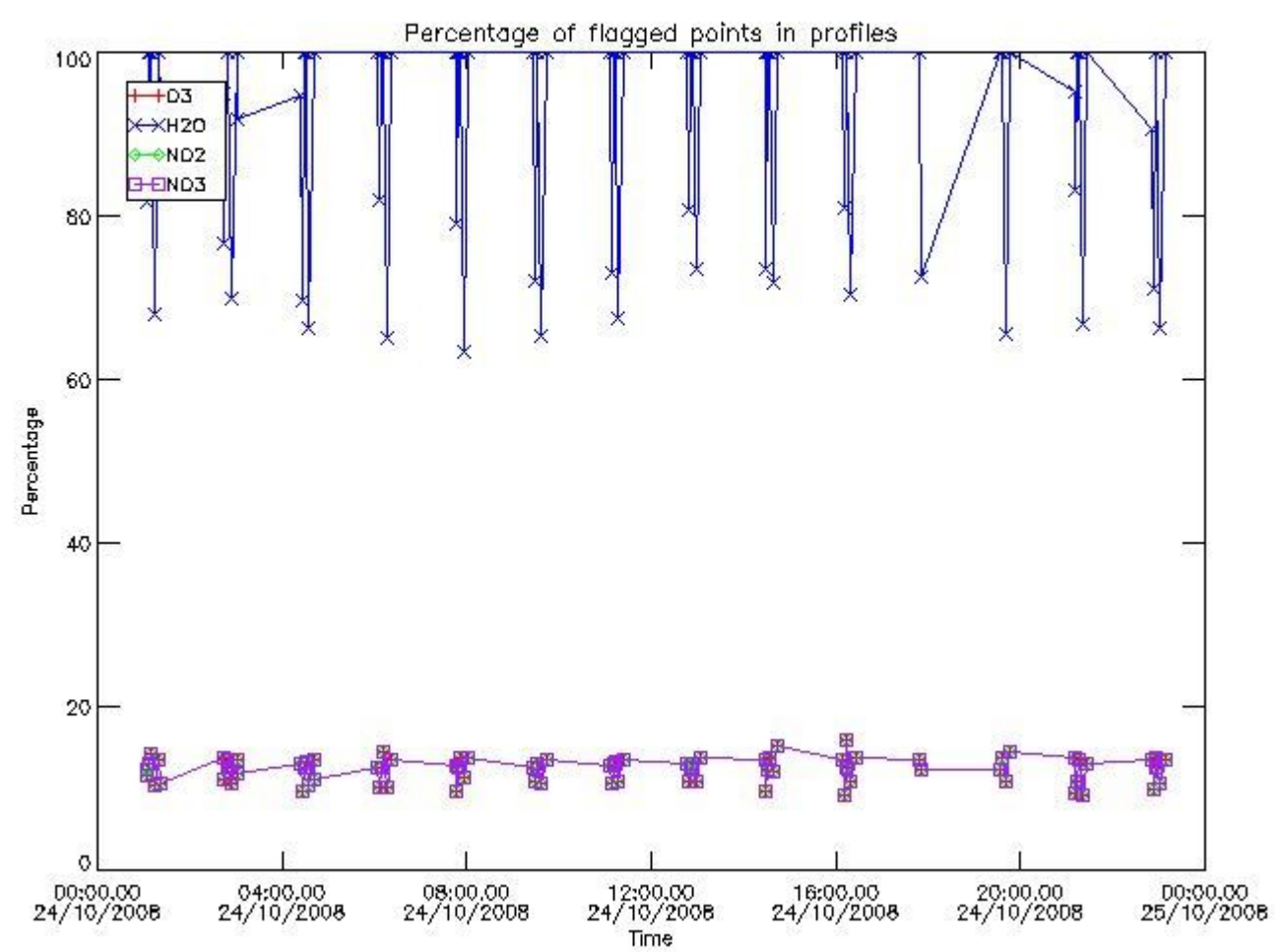
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20081024_000158_000000362073_00145_34768_6383.N1	24-OCT-2008 00:01:58	Bright	35.500	140	88Gam Peg	2.8340	26000.	71	34768	No
2	GOM_NL__2PRFIN20081024_000551_000000372073_00145_34768_6384.N1	24-OCT-2008 00:05:51	Bright	36.500	58	21Alp And	2.0730	11000.	73	34768	No
3	GOM_NL__2PRFIN20081024_000748_000000372073_00145_34768_6385.N1	24-OCT-2008 00:07:48	Bright	37.000	53	43Bet And	2.0480	3300.0	74	34768	No
4	GOM_NL__2PRFIN20081024_001334_000000362073_00145_34768_6386.N1	24-OCT-2008 00:13:34	Bright	36.000	68	18Alp Cas	2.2250	4500.0	72	34768	No
5	GOM_NL__2PRFIN20081024_001450_000000362073_00145_34768_6387.N1	24-OCT-2008 00:14:50	Bright	36.000	76	27Gam Cas	2.3000	30000.	72	34768	No
6	GOM_NL__2PRFIN20081024_002248_000000362073_00145_34768_6388.N1	24-OCT-2008 00:22:48	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	34768	No
7	GOM_NL__2PRFIN20081024_003102_000000372073_00145_34768_6389.N1	24-OCT-2008 00:31:02	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	34768	No
8	GOM_NL__2PRFIN20081024_003237_000000352073_00145_34768_6390.N1	24-OCT-2008 00:32:37	Bright	34.500	82	48Bet UMa	2.3650	10600.	69	34768	No
9	GOM_NL__2PRFIN20081024_003609_000000352073_00145_34768_6391.N1	24-OCT-2008 00:36:09	Bright	35.000	174	52Psi UMa	3.0040	4400.0	70	34768	No
10	GOM_NL__2PRFIN20081024_004310_000000352073_00145_34768_6392.N1	24-OCT-2008 00:43:10	Bright	34.500	96	68Del Leo	2.5600	9300.0	69	34768	No
11	GOM_NL__2PRFIN20081024_010247_000000422073_00145_34768_6393.N1	24-OCT-2008 01:02:47	Dark	41.500	113	Mu Vel	2.6920	5000.0	83	34768	No
12	GOM_NL__2PRFIN20081024_010431_000000452073_00145_34768_6394.N1	24-OCT-2008 01:04:31	Dark	44.500	65	Lam Vel	2.2040	4400.0	89	34768	No
13	GOM_NL__2PRFIN20081024_010724_000000402073_00146_34769_6502.N1	24-OCT-2008 01:07:24	Dark	39.500	46	Del Vel	1.9540	10600.	79	34769	No
14	GOM_NL__2PRFIN20081024_010913_000000362073_00146_34769_6503.N1	24-OCT-2008 01:09:13	Dark	36.000	29	Bet Car	1.6720	10200.	72	34769	No
15	GOM_NL__2PRFIN20081024_011336_000000492073_00146_34769_6504.N1	24-OCT-2008 01:13:36	Dark	49.000	2	Alp Car	-0.73600	7000.0	98	34769	No
16	GOM_NL__2PRFIN20081024_012015_000000382073_00146_34769_6505.N1	24-OCT-2008 01:20:15	Dark	37.500	143	Alp Hyi	2.8570	7200.0	75	34769	No
17	GOM_NL__2PRFIN20081024_012140_000000482073_00146_34769_6506.N1	24-OCT-2008 01:21:40	Dark	48.000	9	Alp Eri	0.45300	24000.	96	34769	No
18	GOM_NL__2PRFIN20081024_012439_000000422073_00146_34769_6507.N1	24-OCT-2008 01:24:39	Straylight	42.000	157	The1Eri	2.9060	9300.0	84	34769	No
19	GOM_NL__2PRFIN20081024_013304_000000442073_00146_34769_6508.N1	24-OCT-2008 01:33:04	Straylight	44.000	52	16Bet Cet	2.0370	4500.0	88	34769	No
20	GOM_NL__2PRFIN20081024_014234_000000362073_00146_34769_6509.N1	24-OCT-2008 01:42:34	Bright	36.000	140	88Gam Peg	2.8340	26000.	72	34769	No
21	GOM_NL__2PRFIN20081024_014627_000000362073_00146_34769_6510.N1	24-OCT-2008 01:46:27	Bright	35.500	58	21Alp And	2.0730	11000.	71	34769	No
22	GOM_NL__2PRFIN20081024_014824_000000372073_00146_34769_6511.N1	24-OCT-2008 01:48:24	Bright	36.500	53	43Bet And	2.0480	3300.0	73	34769	No
23	GOM_NL__2PRFIN20081024_015409_000000372073_00146_34769_6512.N1	24-OCT-2008 01:54:09	Bright	36.500	68	18Alp Cas	2.2250	4500.0	73	34769	No
24	GOM_NL__2PRFIN20081024_015526_000000352073_00146_34769_6513.N1	24-OCT-2008 01:55:26	Bright	35.000	76	27Gam Cas	2.3000	30000.	70	34769	No
25	GOM_NL__2PRFIN20081024_020323_000000342073_00146_34769_6514.N1	24-OCT-2008 02:03:23	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	34769	No
26	GOM_NL__2PRFIN20081024_021138_000000382073_00146_34769_6515.N1	24-OCT-2008 02:11:38	Bright	37.500	36	50Alp UMa	1.8000	6300.0	75	34769	No
27	GOM_NL__2PRFIN20081024_021313_000000542073_00146_34769_6516.N1	24-OCT-2008 02:13:13	Bright	54.000	82	48Bet UMa	2.3650	10600.	108	34769	No
28	GOM_NL__2PRFIN20081024_021644_000000362073_00146_34769_6517.N1	24-OCT-2008 02:16:44	Bright	35.500	174	52Psi UMa	3.0040	4400.0	71	34769	No
29	GOM_NL__2PRFIN20081024_022346_000000362073_00146_34769_6518.N1	24-OCT-2008 02:23:46	Bright	35.500	96	68Del Leo	2.5600	9300.0	71	34769	No
30	GOM_NL__2PRFIN20081024_024323_000000412073_00146_34769_6519.N1	24-OCT-2008 02:43:23	Dark	40.500	113	Mu Vel	2.6920	5000.0	81	34769	No
31	GOM_NL__2PRFIN20081024_024508_000000462073_00146_34769_6520.N1	24-OCT-2008 02:45:08	Dark	45.500	65	Lam Vel	2.2040	4400.0	91	34769	No
32	GOM_NL__2PRFIN20081024_024801_000000382073_00147_34770_6516.N1	24-OCT-2008 02:48:01	Dark	38.000	46	Del Vel	1.9540	10600.	76	34770	No
33	GOM_NL__2PRFIN20081024_024950_000000412073_00147_34770_6517.N1	24-OCT-2008 02:49:50	Dark	41.000	29	Bet Car	1.6720	10200.	82	34770	No
34	GOM_NL__2PRFIN20081024_025412_000000492073_00147_34770_6518.N1	24-OCT-2008 02:54:12	Dark	48.500	2	Alp Car	-0.73600	7000.0	97	34770	No
35	GOM_NL__2PRFIN20081024_030051_000000382073_00147_34770_6519.N1	24-OCT-2008 03:00:51	Dark	37.500	143	Alp Hyi	2.8570	7200.0	75	34770	No
36	GOM_NL__2PRFIN20081024_030216_000000432073_00147_34770_6520.N1	24-OCT-2008 03:02:16	Dark	43.000	9	Alp Eri	0.45300	24000.	86	34770	No
37	GOM_NL__2PRFIN20081024_030516_000000432073_00147_34770_6521.N1	24-OCT-2008 03:05:16	Straylight	43.000	157	The1Eri	2.9060	9300.0	86	34770	No
38	GOM_NL__2PRFIN20081024_031341_000000422073_00147_34770_6522.N1	24-OCT-2008 03:13:41	Straylight	42.000	52	16Bet Cet	2.0370	4500.0	84	34770	No
39	GOM_NL__2PRFIN20081024_032310_000000362073_00147_34770_6523.N1	24-OCT-2008 03:23:10	Bright	36.000	140	88Gam Peg	2.8340	26000.	72	34770	No
40	GOM_NL__2PRFIN20081024_032703_000000362073_00147_34770_6524.N1	24-OCT-2008 03:27:03	Bright	35.500	58	21Alp And	2.0730	11000.	71	34770	No
41	GOM_NL__2PRFIN20081024_032900_000000402073_00147_34770_6525.N1	24-OCT-2008 03:29:00	Bright	40.000	53	43Bet And	2.0480	3300.0	80	34770	No
42	GOM_NL__2PRFIN20081024_033445_000000352073_00147_34770_6526.N1	24-OCT-2008 03:34:45	Bright	34.500	68	18Alp Cas	2.2250	4500.0	69	34770	No

220	GOM_NL__2PRFIN20081024_214947_000000352073_00158_34781_6691.N1	24-OCT-2008 21:49:47	Bright	35.000	140	88Gam Peg	2.8340	26000.	70	34781	No
221	GOM_NL__2PRFIN20081024_215340_000000372073_00158_34781_6692.N1	24-OCT-2008 21:53:40	Bright	37.000	58	21Alp And	2.0730	11000.	74	34781	No
222	GOM_NL__2PRFIN20081024_215533_000000402073_00158_34781_6693.N1	24-OCT-2008 21:55:33	Bright	40.000	53	43Bet And	2.0480	3300.0	80	34781	No
223	GOM_NL__2PRFIN20081024_220120_000000362073_00158_34781_6694.N1	24-OCT-2008 22:01:20	Bright	35.500	68	18Alp Cas	2.2250	4500.0	71	34781	No
224	GOM_NL__2PRFIN20081024_220236_000000342073_00158_34781_6695.N1	24-OCT-2008 22:02:36	Bright	34.000	76	27Gam Cas	2.3000	30000.	68	34781	No
225	GOM_NL__2PRFIN20081024_221034_000000362073_00158_34781_6696.N1	24-OCT-2008 22:10:34	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	34781	No
226	GOM_NL__2PRFIN20081024_221848_000000382073_00158_34781_6697.N1	24-OCT-2008 22:18:48	Bright	37.500	36	50Alp UMa	1.8000	6300.0	75	34781	No
227	GOM_NL__2PRFIN20081024_222023_000000372073_00158_34781_6698.N1	24-OCT-2008 22:20:23	Bright	36.500	82	48Bet UMa	2.3650	10600.	73	34781	No
228	GOM_NL__2PRFIN20081024_222356_000000382073_00158_34781_6699.N1	24-OCT-2008 22:23:56	Bright	37.500	174	52Psi UMa	3.0040	4400.0	75	34781	No
229	GOM_NL__2PRFIN20081024_223100_000000352073_00158_34781_6700.N1	24-OCT-2008 22:31:00	Bright	35.000	96	68Del Leo	2.5600	9300.0	70	34781	No
230	GOM_NL__2PRFIN20081024_225038_000000382073_00158_34781_6701.N1	24-OCT-2008 22:50:38	Dark	37.500	113	Mu Vel	2.6920	5000.0	75	34781	No
231	GOM_NL__2PRFIN20081024_225228_000000562073_00158_34781_6702.N1	24-OCT-2008 22:52:28	Dark	56.000	65	Lam Vel	2.2040	4400.0	112	34781	No
232	GOM_NL__2PRFIN20081024_225519_000000412073_00159_34782_6708.N1	24-OCT-2008 22:55:19	Dark	40.500	46	Del Vel	1.9540	10600.	81	34782	No
233	GOM_NL__2PRFIN20081024_225704_000000372073_00159_34782_6709.N1	24-OCT-2008 22:57:04	Dark	37.000	29	Bet Car	1.6720	10200.	74	34782	No
234	GOM_NL__2PRFIN20081024_230133_000000482073_00159_34782_6710.N1	24-OCT-2008 23:01:33	Dark	48.000	2	Alp Car	-0.73600	7000.0	96	34782	No
235	GOM_NL__2PRFIN20081024_230805_000000382073_00159_34782_6711.N1	24-OCT-2008 23:08:05	Dark	37.500	143	Alp Hyi	2.8570	7200.0	75	34782	No
236	GOM_NL__2PRFIN20081024_231231_000000422073_00159_34782_6712.N1	24-OCT-2008 23:12:31	Straylight	42.000	157	The1Eri	2.9060	9300.0	84	34782	No
237	GOM_NL__2PRFIN20081024_232054_000000422073_00159_34782_6713.N1	24-OCT-2008 23:20:54	Straylight	42.000	52	16Bet Cet	2.0370	4500.0	84	34782	No
238	GOM_NL__2PRFIN20081024_233023_000000362073_00159_34782_6714.N1	24-OCT-2008 23:30:23	Bright	35.500	140	88Gam Peg	2.8340	26000.	71	34782	No
239	GOM_NL__2PRFIN20081024_233416_000000362073_00159_34782_6715.N1	24-OCT-2008 23:34:16	Bright	36.000	58	21Alp And	2.0730	11000.	72	34782	No
240	GOM_NL__2PRFIN20081024_233609_000000362073_00159_34782_6716.N1	24-OCT-2008 23:36:09	Bright	35.500	53	43Bet And	2.0480	3300.0	71	34782	No
241	GOM_NL__2PRFIN20081024_234156_000000372073_00159_34782_6717.N1	24-OCT-2008 23:41:56	Bright	37.000	68	18Alp Cas	2.2250	4500.0	74	34782	No
242	GOM_NL__2PRFIN20081024_234311_000000372073_00159_34782_6718.N1	24-OCT-2008 23:43:11	Bright	36.500	76	27Gam Cas	2.3000	30000.	73	34782	No
243	GOM_NL__2PRFIN20081024_235110_000000332073_00159_34782_6719.N1	24-OCT-2008 23:51:10	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	34782	No
244	GOM_NL__2PRFIN20081024_235924_000000362073_00159_34782_6720.N1	24-OCT-2008 23:59:24	Bright	35.500	36	50Alp UMa	1.8000	6300.0	71	34782	No

3. Quality information per product

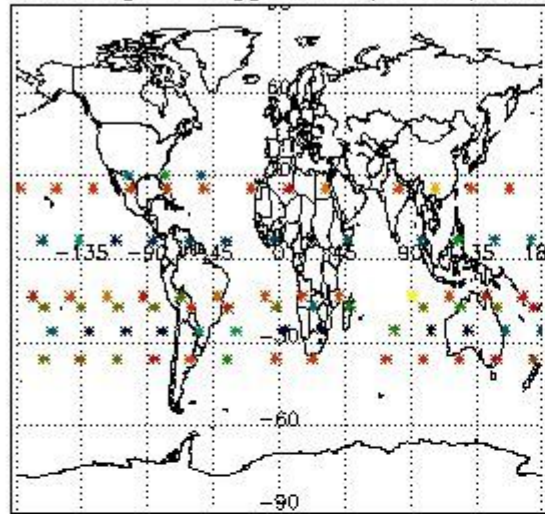
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

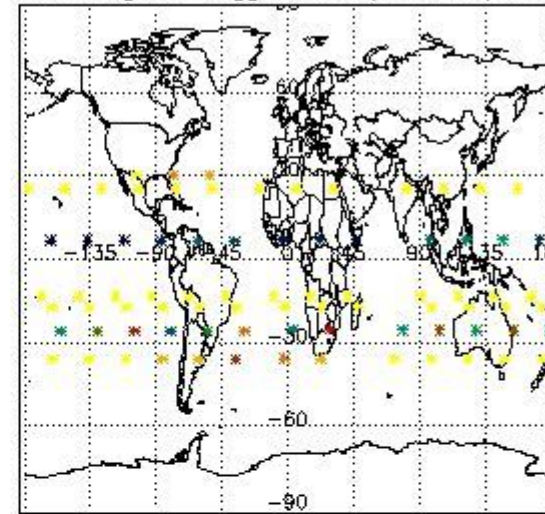


3.2 Plot quality information per product (world map)

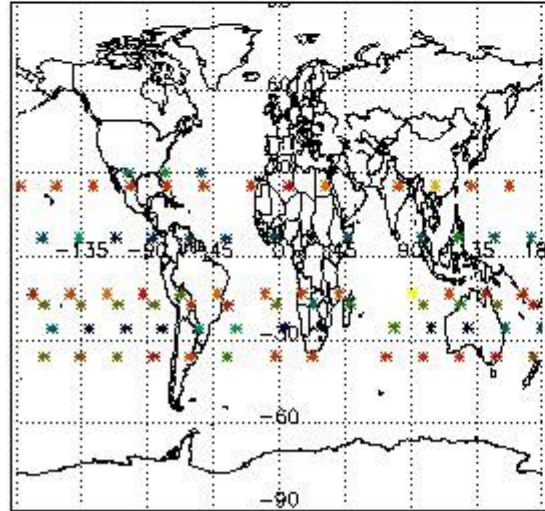
Percentage of flagged data per O3 profile



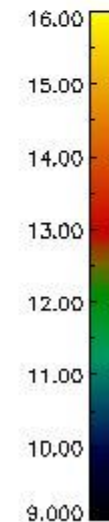
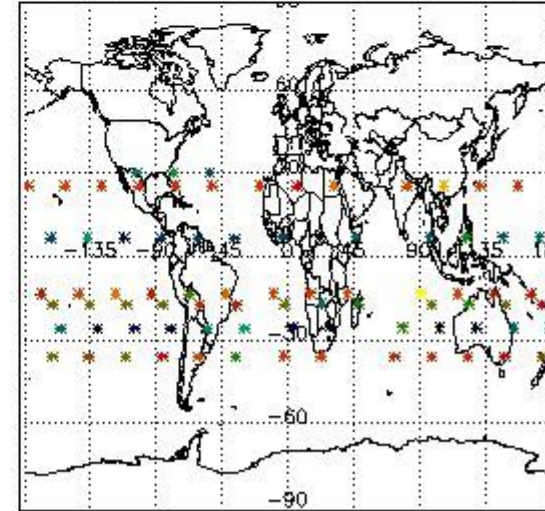
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

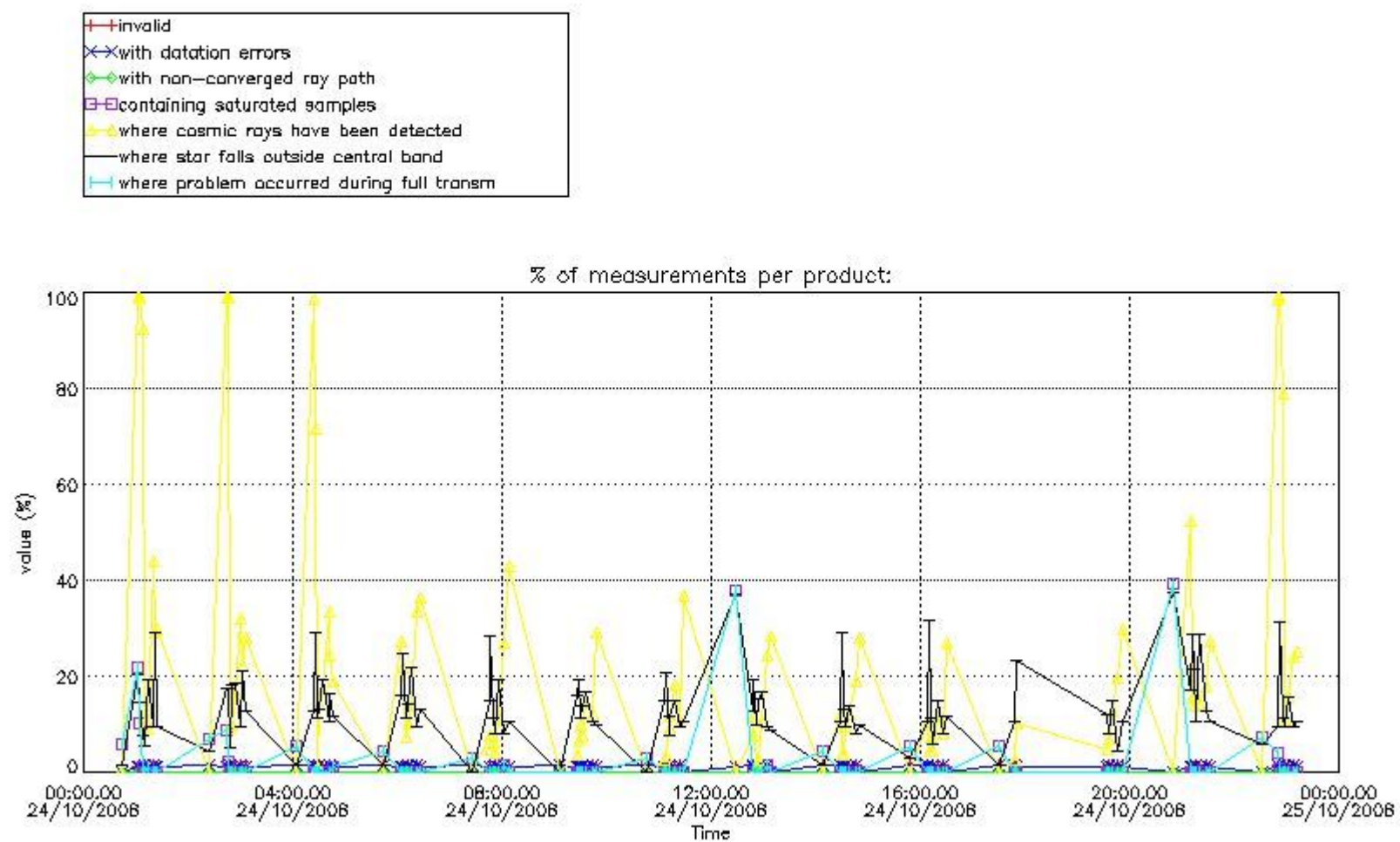


4. Level 1 quality information per product

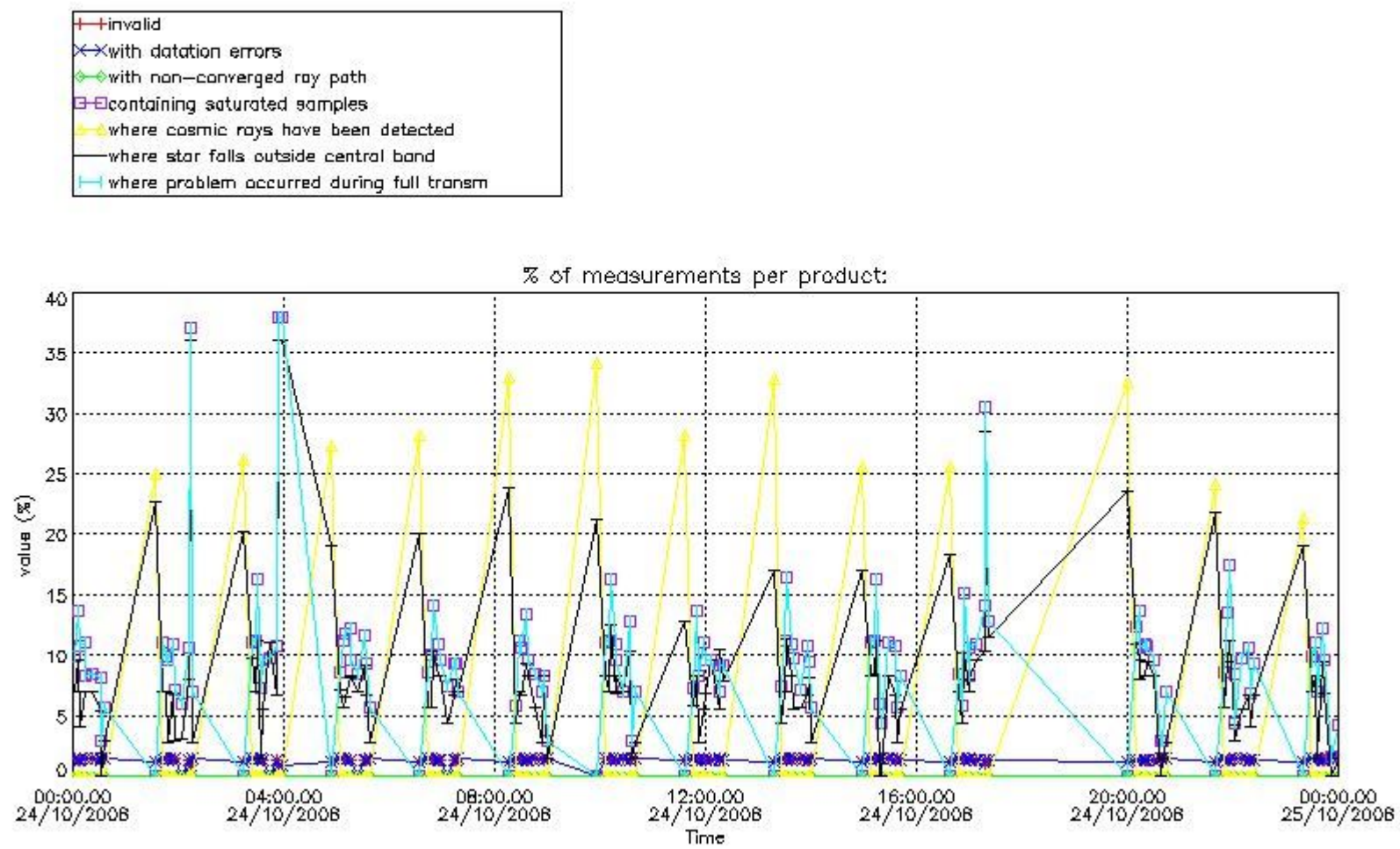
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



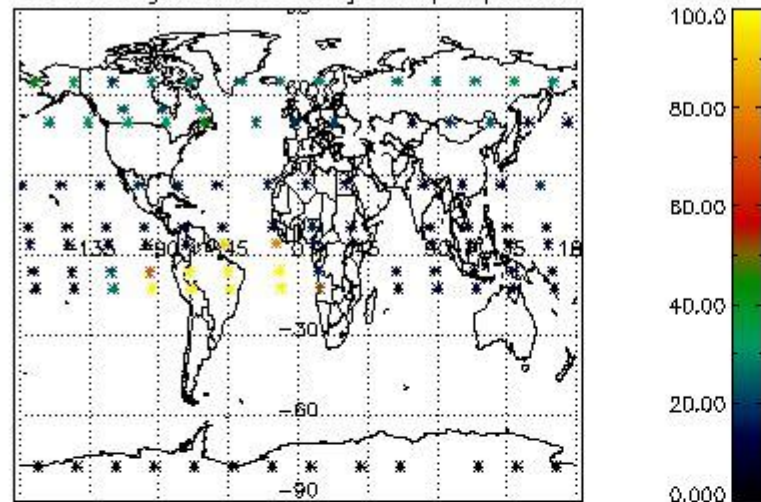
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



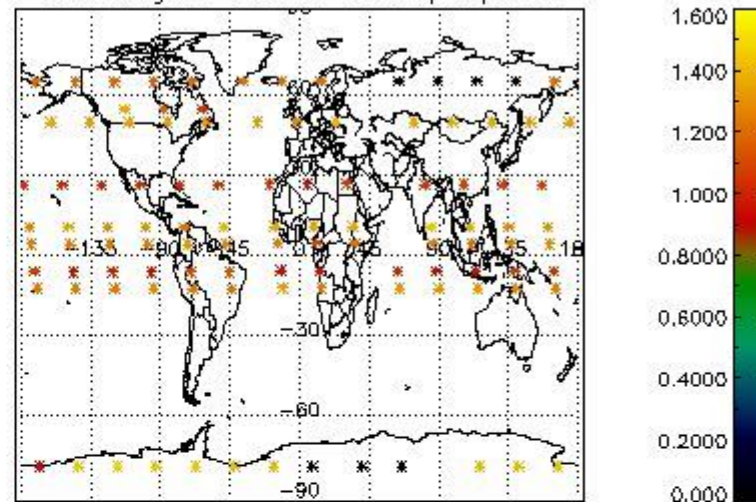
4.2 Plot quality information per product coming from level 1b processing (world map)

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

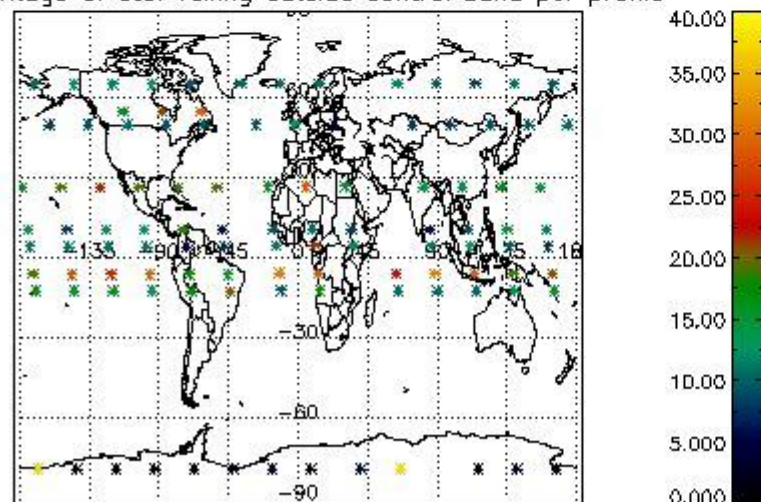
Percentage of cosmic ray hits per profile



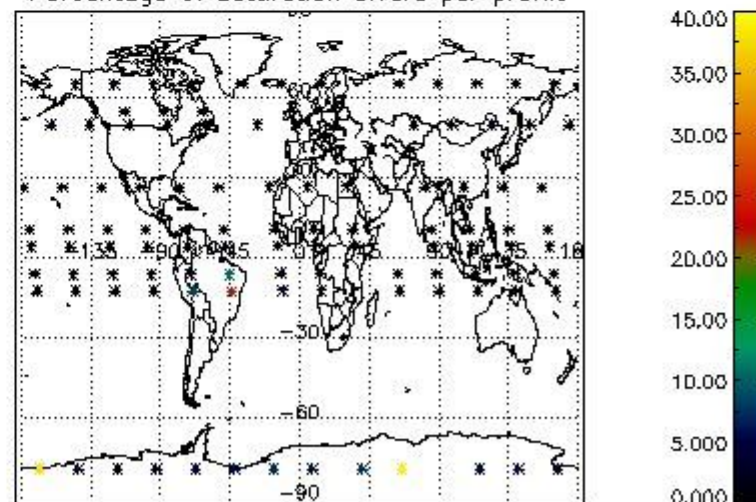
Percentage of datation errors per profile



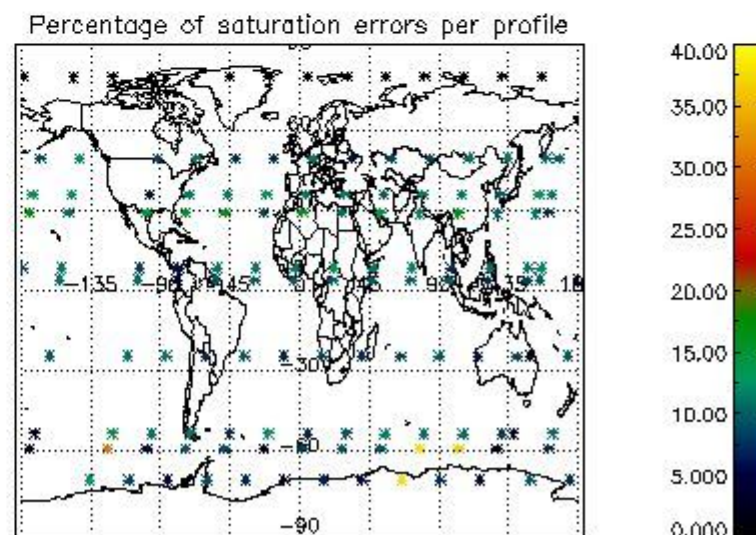
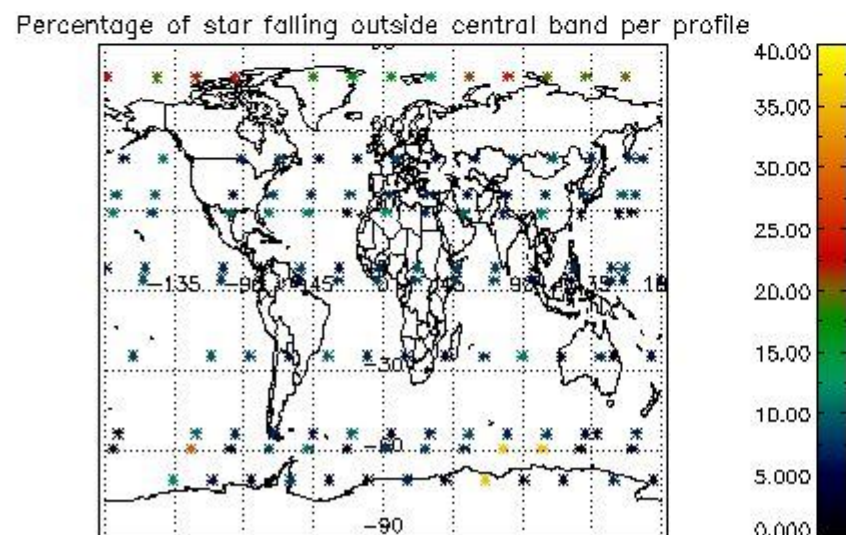
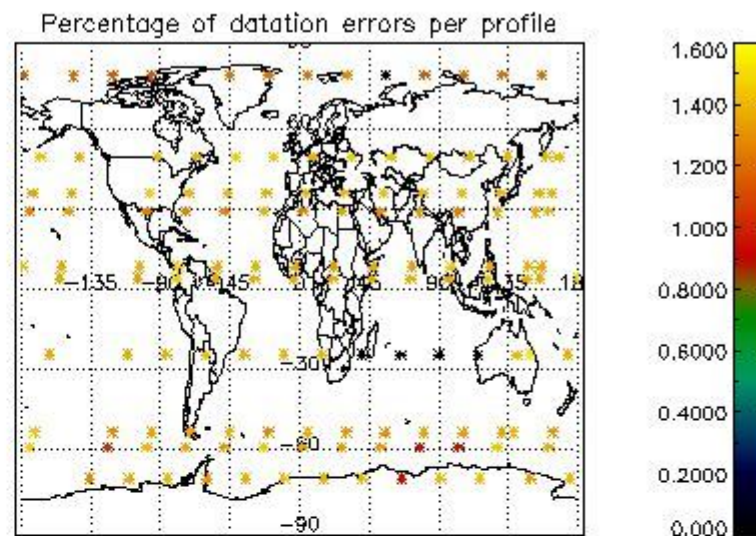
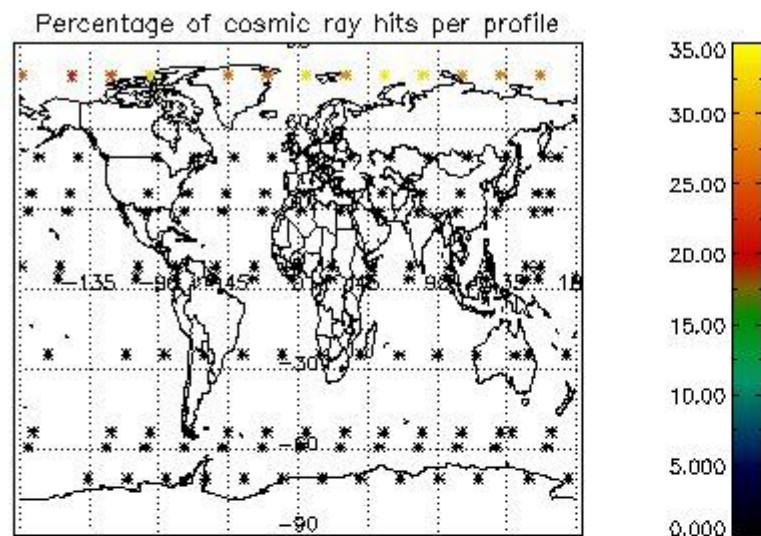
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



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

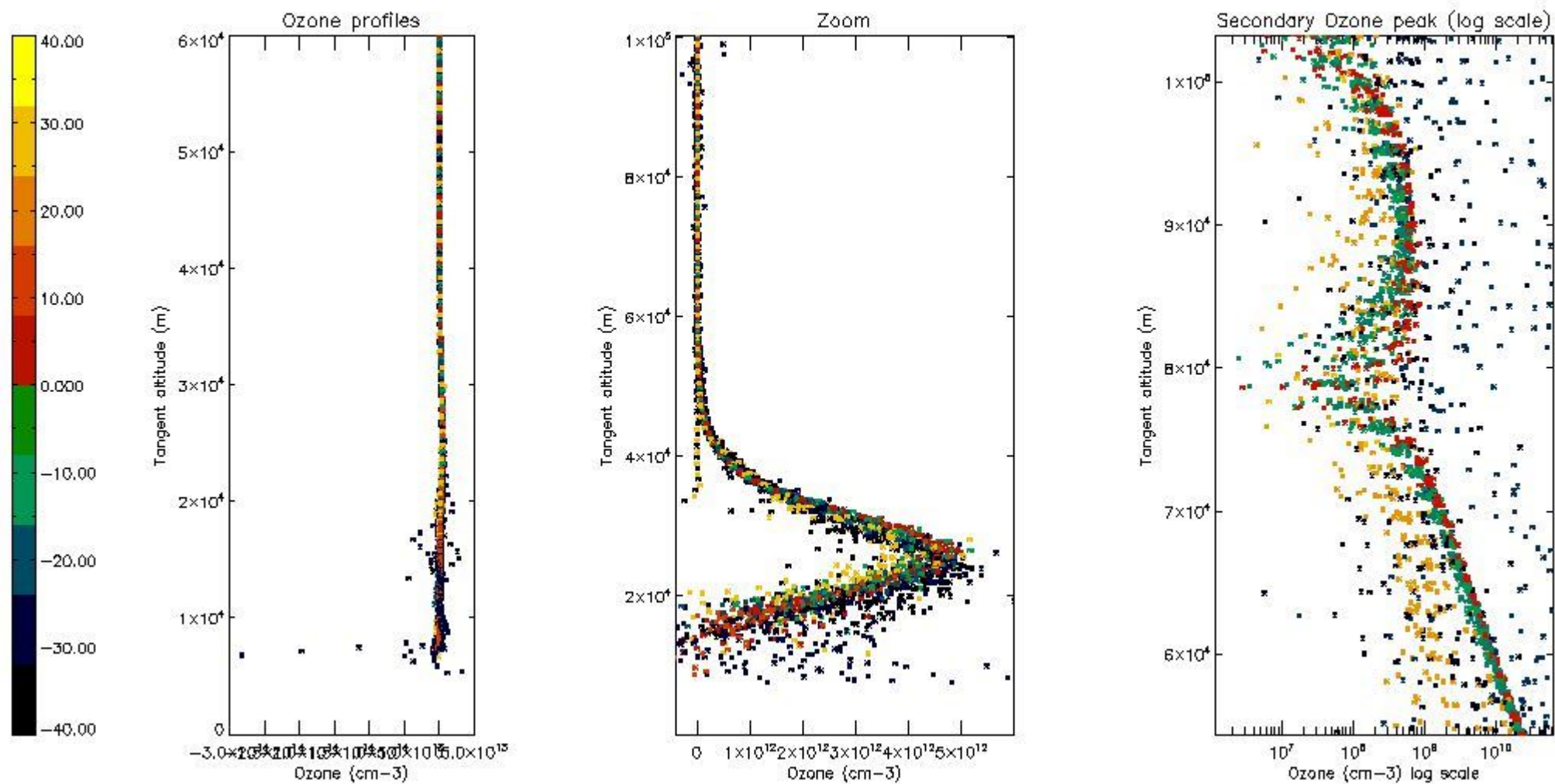
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	37
STD < 20	18

STD < 10	13
STD < 5	8

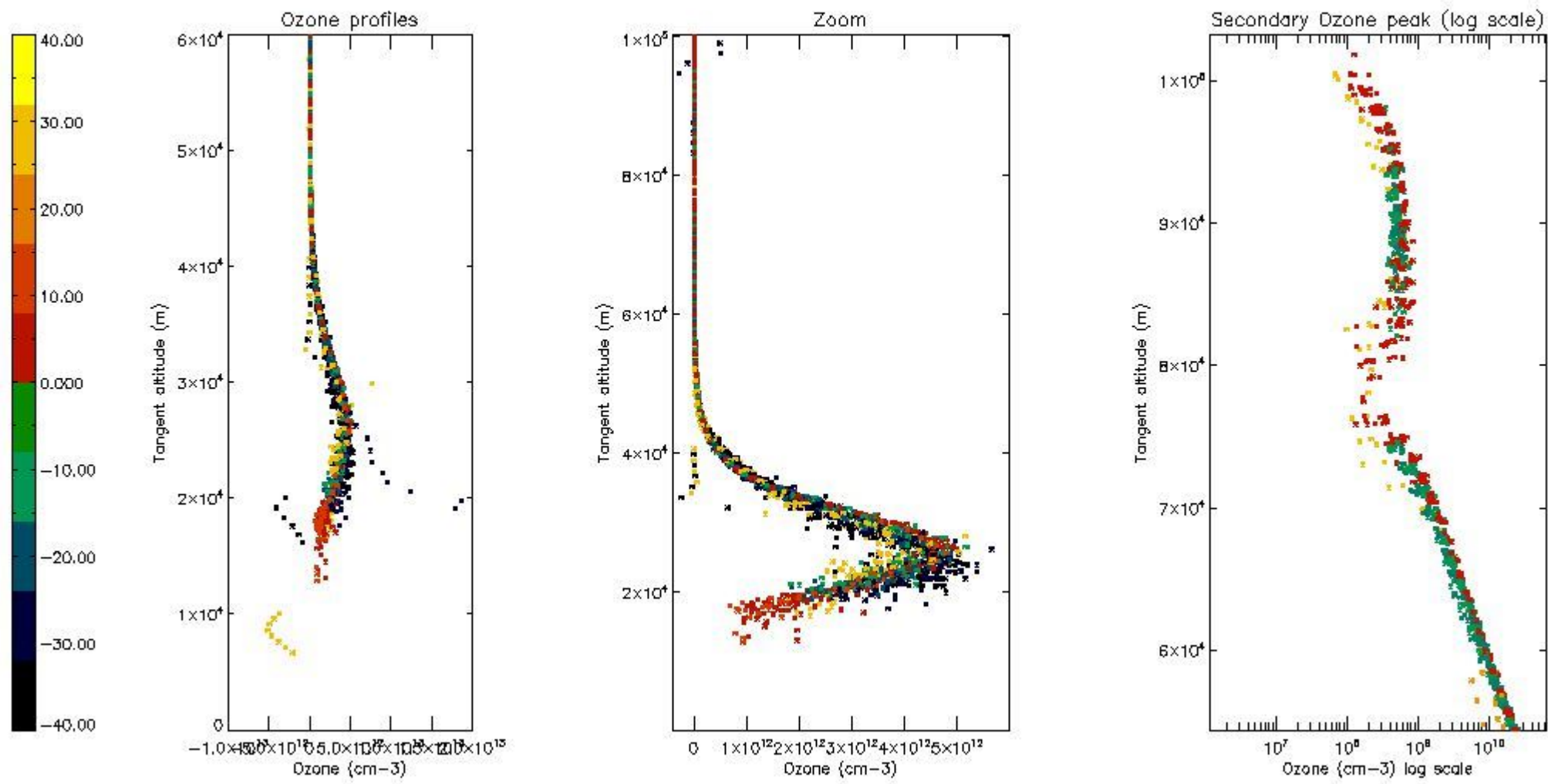
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



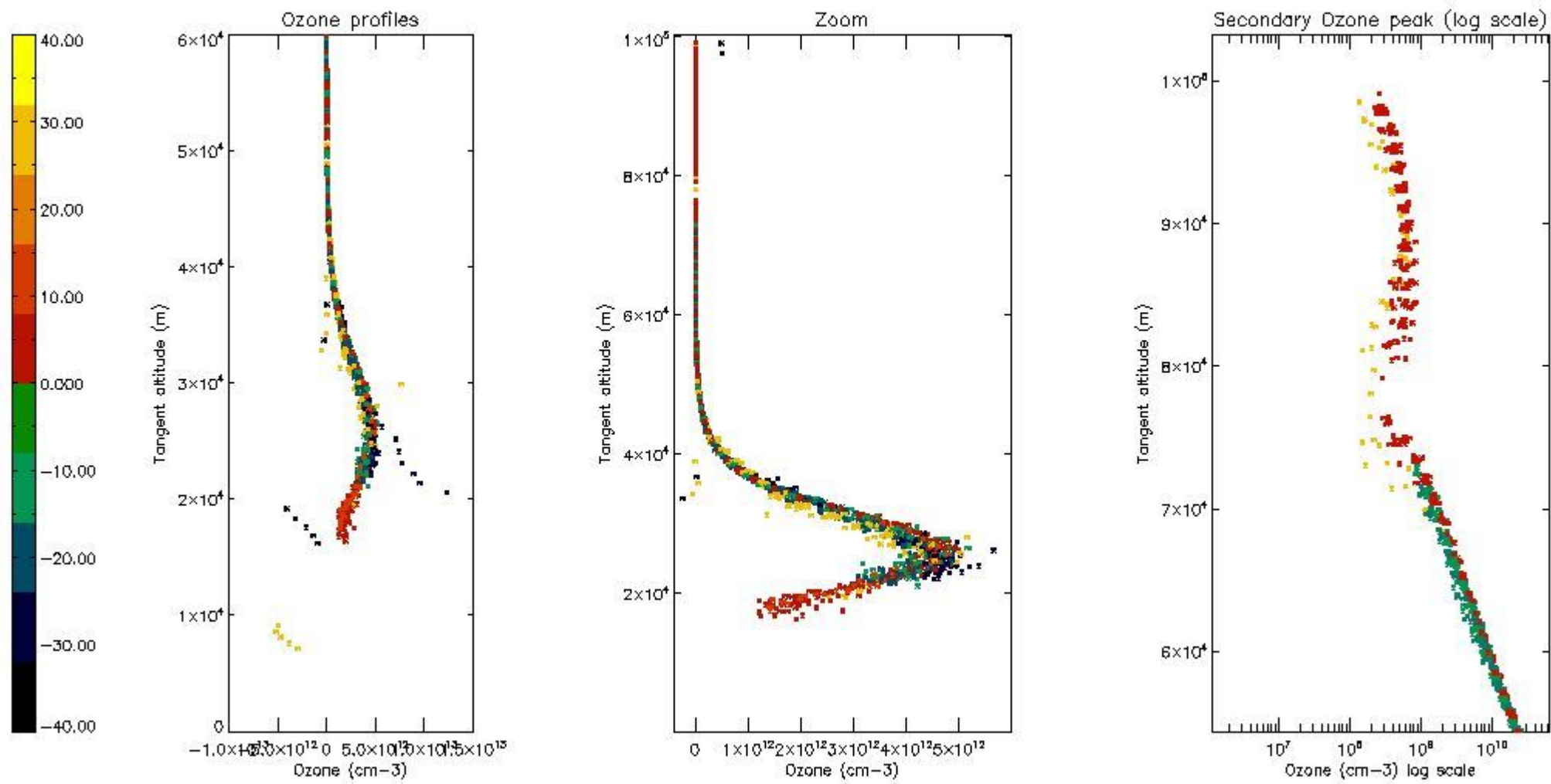
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



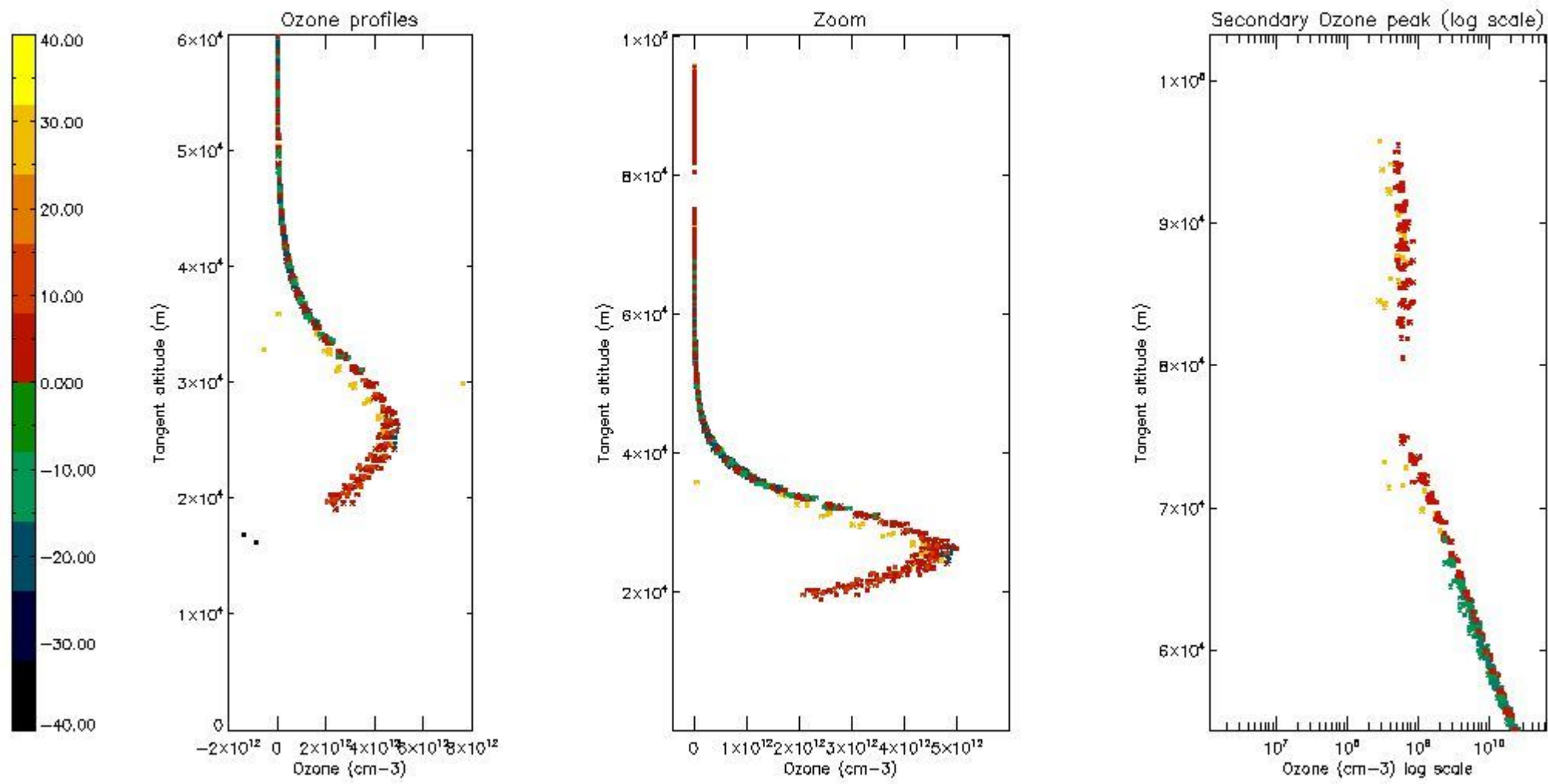
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



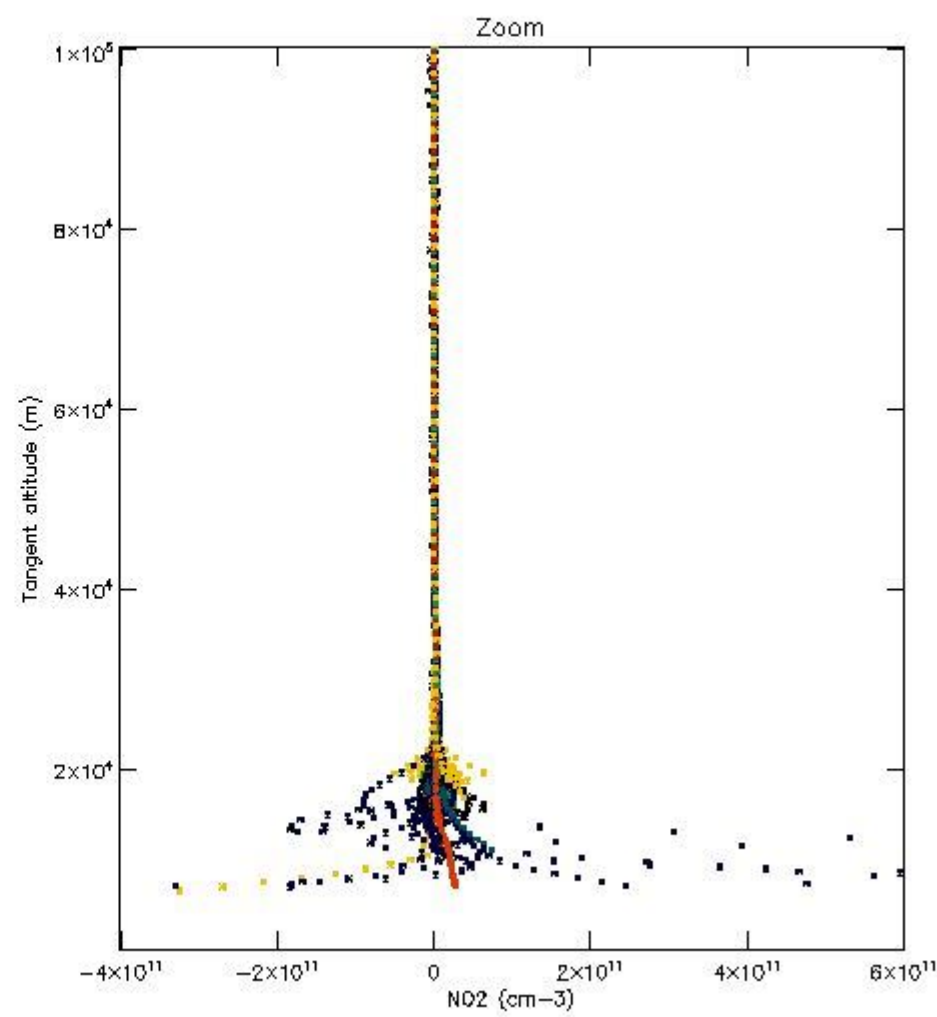
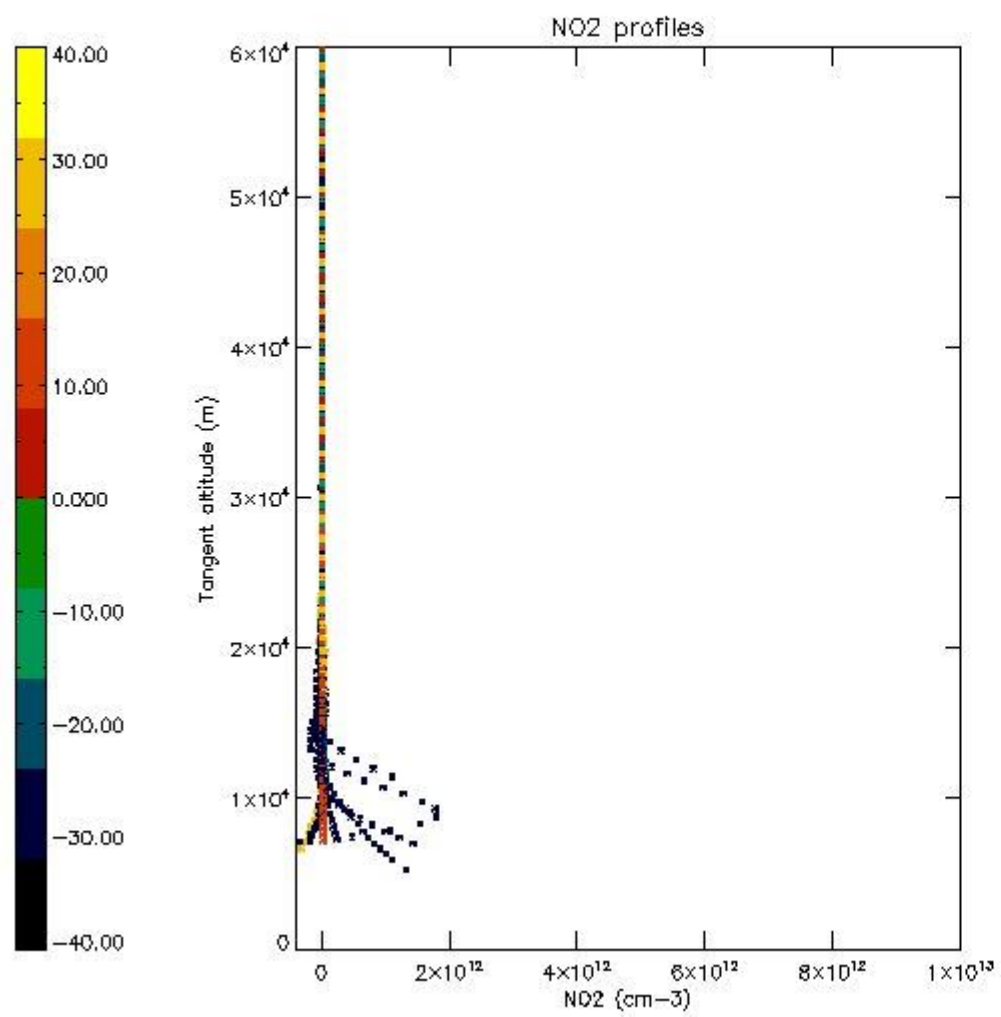
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



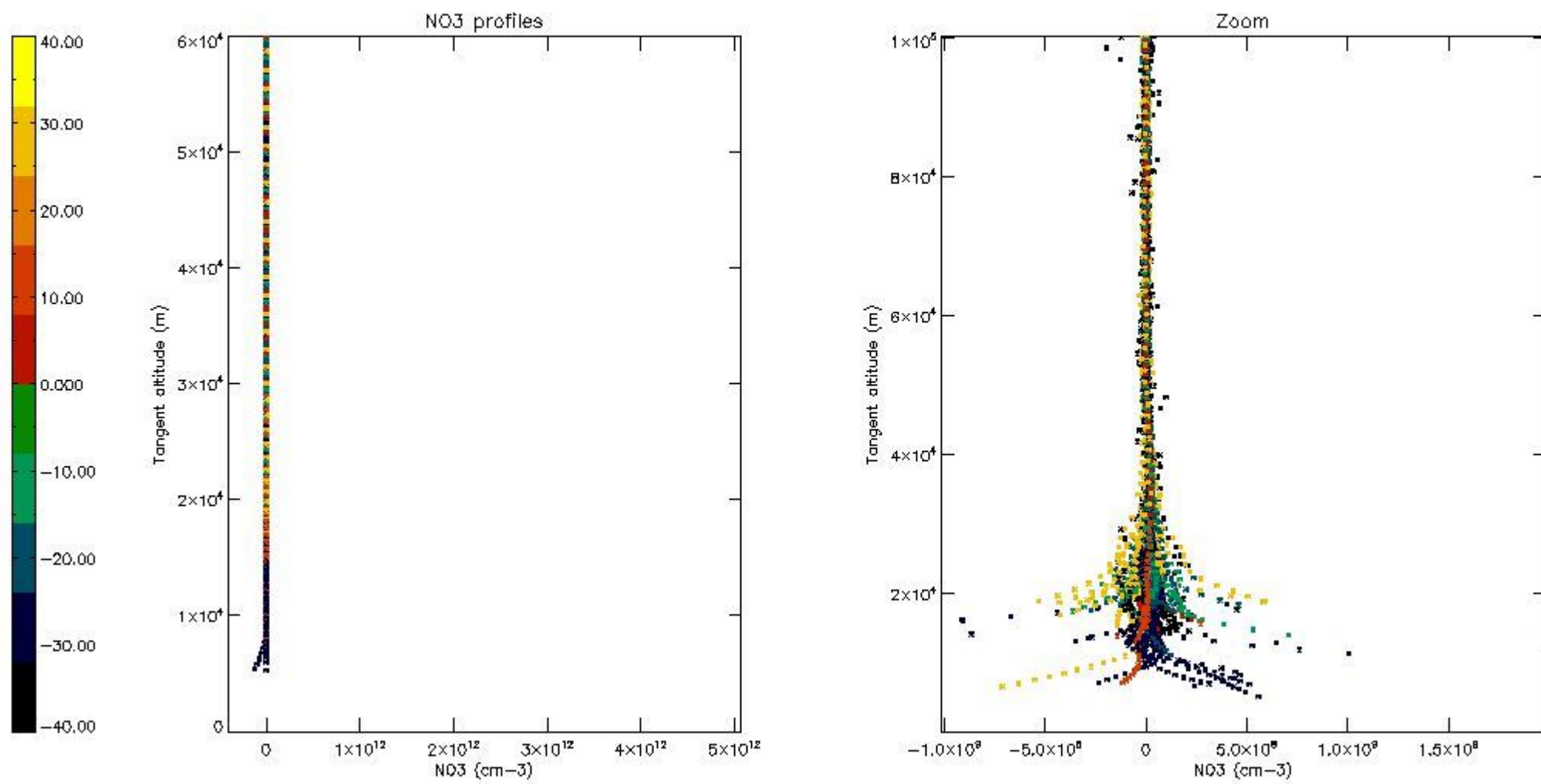
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



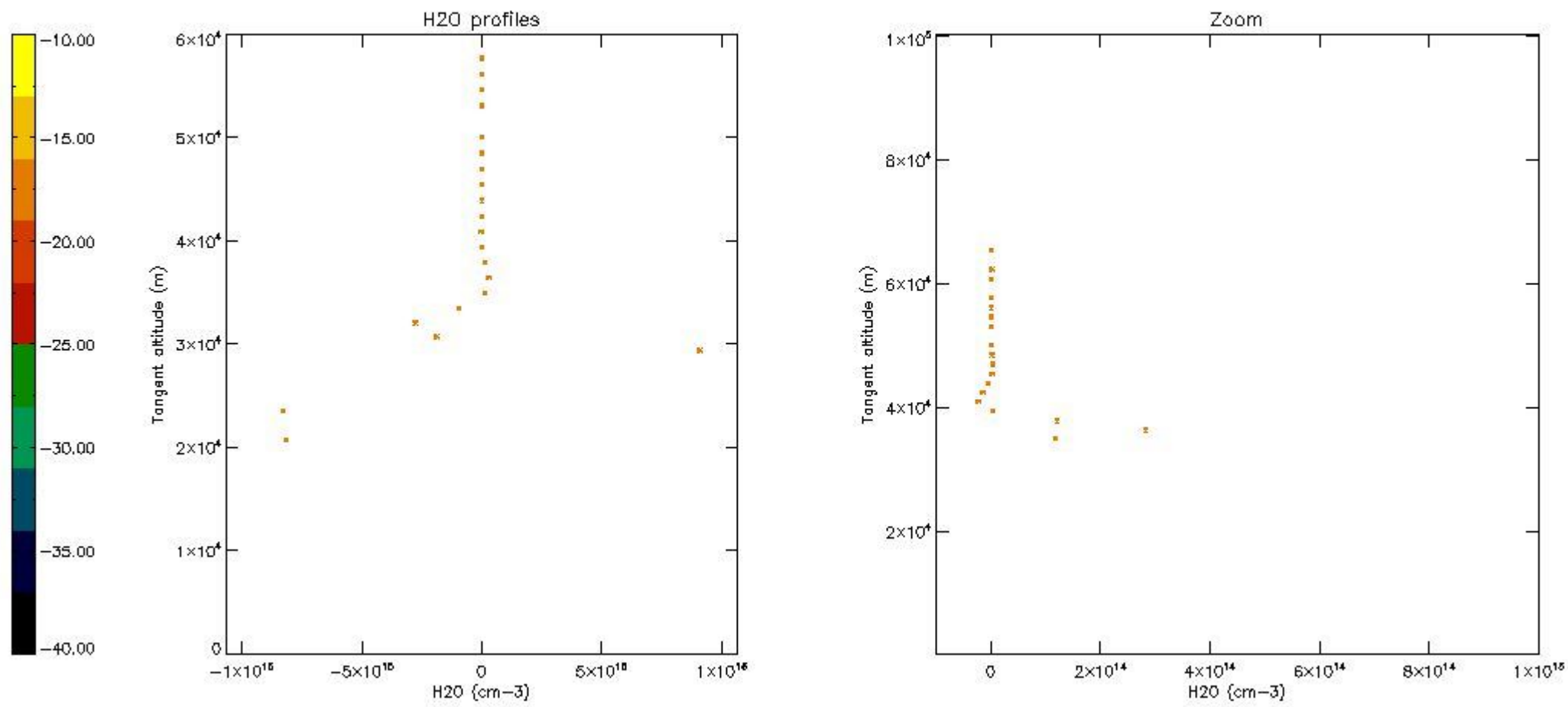
5.7 Plot NO₃ profiles for all STD (dark without errors)

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	24-OCT-2008 00:01:58
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	24-OCT-2008 00:01:58
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	24-OCT-2008 00:01:58

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	25APR2013 21:21:06
Data source version	GOMOS/6.01
Start time of products	24-10-2008 (24OCT2008 00:00:00)
Stop time of products	25-10-2008 (25OCT2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	244
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__2PRFIN20081024_000158_000000362073_00145_34768_6383.N1	24-OCT-2008 00:01:58	Bright	35.500	140	88Gam Peg	2.8340	26000.	71	34768	No
2	GOM_NL__2PRFIN20081024_000551_000000372073_00145_34768_6384.N1	24-OCT-2008 00:05:51	Bright	36.500	58	21Alp And	2.0730	11000.	73	34768	No
3	GOM_NL__2PRFIN20081024_000748_000000372073_00145_34768_6385.N1	24-OCT-2008 00:07:48	Bright	37.000	53	43Bet And	2.0480	3300.0	74	34768	No
4	GOM_NL__2PRFIN20081024_001334_000000362073_00145_34768_6386.N1	24-OCT-2008 00:13:34	Bright	36.000	68	18Alp Cas	2.2250	4500.0	72	34768	No
5	GOM_NL__2PRFIN20081024_001450_000000362073_00145_34768_6387.N1	24-OCT-2008 00:14:50	Bright	36.000	76	27Gam Cas	2.3000	30000.	72	34768	No
6	GOM_NL__2PRFIN20081024_002248_000000362073_00145_34768_6388.N1	24-OCT-2008 00:22:48	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	34768	No
7	GOM_NL__2PRFIN20081024_003102_000000372073_00145_34768_6389.N1	24-OCT-2008 00:31:02	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	34768	No
8	GOM_NL__2PRFIN20081024_003237_000000352073_00145_34768_6390.N1	24-OCT-2008 00:32:37	Bright	34.500	82	48Bet UMa	2.3650	10600.	69	34768	No
9	GOM_NL__2PRFIN20081024_003609_000000352073_00145_34768_6391.N1	24-OCT-2008 00:36:09	Bright	35.000	174	52Psi UMa	3.0040	4400.0	70	34768	No
10	GOM_NL__2PRFIN20081024_004310_000000352073_00145_34768_6392.N1	24-OCT-2008 00:43:10	Bright	34.500	96	68Del Leo	2.5600	9300.0	69	34768	No
11	GOM_NL__2PRFIN20081024_010247_000000422073_00145_34768_6393.N1	24-OCT-2008 01:02:47	Dark	41.500	113	Mu Vel	2.6920	5000.0	83	34768	No
12	GOM_NL__2PRFIN20081024_010431_000000452073_00145_34768_6394.N1	24-OCT-2008 01:04:31	Dark	44.500	65	Lam Vel	2.2040	4400.0	89	34768	No
13	GOM_NL__2PRFIN20081024_010724_000000402073_00146_34769_6502.N1	24-OCT-2008 01:07:24	Dark	39.500	46	Del Vel	1.9540	10600.	79	34769	No
14	GOM_NL__2PRFIN20081024_010913_000000362073_00146_34769_6503.N1	24-OCT-2008 01:09:13	Dark	36.000	29	Bet Car	1.6720	10200.	72	34769	No
15	GOM_NL__2PRFIN20081024_011336_000000492073_00146_34769_6504.N1	24-OCT-2008 01:13:36	Dark	49.000	2	Alp Car	-0.73600	7000.0	98	34769	No
16	GOM_NL__2PRFIN20081024_012015_000000382073_00146_34769_6505.N1	24-OCT-2008 01:20:15	Dark	37.500	143	Alp Hyi	2.8570	7200.0	75	34769	No
17	GOM_NL__2PRFIN20081024_012140_000000482073_00146_34769_6506.N1	24-OCT-2008 01:21:40	Dark	48.000	9	Alp Eri	0.45300	24000.	96	34769	No
18	GOM_NL__2PRFIN20081024_012439_000000422073_00146_34769_6507.N1	24-OCT-2008 01:24:39	Straylight	42.000	157	The1Eri	2.9060	9300.0	84	34769	No
19	GOM_NL__2PRFIN20081024_013304_000000442073_00146_34769_6508.N1	24-OCT-2008 01:33:04	Straylight	44.000	52	16Bet Cet	2.0370	4500.0	88	34769	No
20	GOM_NL__2PRFIN20081024_014234_000000362073_00146_34769_6509.N1	24-OCT-2008 01:42:34	Bright	36.000	140	88Gam Peg	2.8340	26000.	72	34769	No
21	GOM_NL__2PRFIN20081024_014627_000000362073_00146_34769_6510.N1	24-OCT-2008 01:46:27	Bright	35.500	58	21Alp And	2.0730	11000.	71	34769	No
22	GOM_NL__2PRFIN20081024_014824_000000372073_00146_34769_6511.N1	24-OCT-2008 01:48:24	Bright	36.500	53	43Bet And	2.0480	3300.0	73	34769	No
23	GOM_NL__2PRFIN20081024_015409_000000372073_00146_34769_6512.N1	24-OCT-2008 01:54:09	Bright	36.500	68	18Alp Cas	2.2250	4500.0	73	34769	No
24	GOM_NL__2PRFIN20081024_015526_000000352073_00146_34769_6513.N1	24-OCT-2008 01:55:26	Bright	35.000	76	27Gam Cas	2.3000	30000.	70	34769	No
25	GOM_NL__2PRFIN20081024_020323_000000342073_00146_34769_6514.N1	24-OCT-2008 02:03:23	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	34769	No
26	GOM_NL__2PRFIN20081024_021138_000000382073_00146_34769_6515.N1	24-OCT-2008 02:11:38	Bright	37.500	36	50Alp UMa	1.8000	6300.0	75	34769	No
27	GOM_NL__2PRFIN20081024_021313_000000542073_00146_34769_6516.N1	24-OCT-2008 02:13:13	Bright	54.000	82	48Bet UMa	2.3650	10600.	108	34769	No
28	GOM_NL__2PRFIN20081024_021644_000000362073_00146_34769_6517.N1	24-OCT-2008 02:16:44	Bright	35.500	174	52Psi UMa	3.0040	4400.0	71	34769	No
29	GOM_NL__2PRFIN20081024_022346_000000362073_00146_34769_6518.N1	24-OCT-2008 02:23:46	Bright	35.500	96	68Del Leo	2.5600	9300.0	71	34769	No
30	GOM_NL__2PRFIN20081024_024323_000000412073_00146_34769_6519.N1	24-OCT-2008 02:43:23	Dark	40.500	113	Mu Vel	2.6920	5000.0	81	34769	No
31	GOM_NL__2PRFIN20081024_024508_000000462073_00146_34769_6520.N1	24-OCT-2008 02:45:08	Dark	45.500	65	Lam Vel	2.2040	4400.0	91	34769	No
32	GOM_NL__2PRFIN20081024_024801_000000382073_00147_34770_6516.N1	24-OCT-2008 02:48:01	Dark	38.000	46	Del Vel	1.9540	10600.	76	34770	No
33	GOM_NL__2PRFIN20081024_024950_000000412073_00147_34770_6517.N1	24-OCT-2008 02:49:50	Dark	41.000	29	Bet Car	1.6720	10200.	82	34770	No
34	GOM_NL__2PRFIN20081024_025412_000000492073_00147_34770_6518.N1	24-OCT-2008 02:54:12	Dark	48.500	2	Alp Car	-0.73600	7000.0	97	34770	No
35	GOM_NL__2PRFIN20081024_030051_000000382073_00147_34770_6519.N1	24-OCT-2008 03:00:51	Dark	37.500	143	Alp Hyi	2.8570	7200.0	75	34770	No
36	GOM_NL__2PRFIN20081024_030216_000000432073_00147_34770_6520.N1	24-OCT-2008 03:02:16	Dark	43.000	9	Alp Eri	0.45300	24000.	86	34770	No
37	GOM_NL__2PRFIN20081024_030516_000000432073_00147_34770_6521.N1	24-OCT-2008 03:05:16	Straylight	43.000	157	The1Eri	2.9060	9300.0	86	34770	No
38	GOM_NL__2PRFIN20081024_031341_000000422073_00147_34770_6522.N1	24-OCT-2008 03:13:41	Straylight	42.000	52	16Bet Cet	2.0370	4500.0	84	34770	No
39	GOM_NL__2PRFIN20081024_032310_000000362073_00147_34770_6523.N1	24-OCT-2008 03:23:10	Bright	36.000	140	88Gam Peg	2.8340	26000.	72	34770	No
40	GOM_NL__2PRFIN20081024_032703_000000362073_00147_34770_6524.N1	24-OCT-2008 03:27:03	Bright	35.500	58	21Alp And	2.0730	11000.	71	34770	No
41	GOM_NL__2PRFIN20081024_032900_000000402073_00147_34770_6525.N1	24-OCT-2008 03:29:00	Bright	40.000	53	43Bet And	2.0480	3300.0	80	34770	No
42	GOM_NL__2PRFIN20081024_033445_000000352073_00147_34770_6526.N1	24-OCT-2008 03:34:45	Bright	34.500	68	18Alp Cas	2.2250	4500.0	69	34770	No

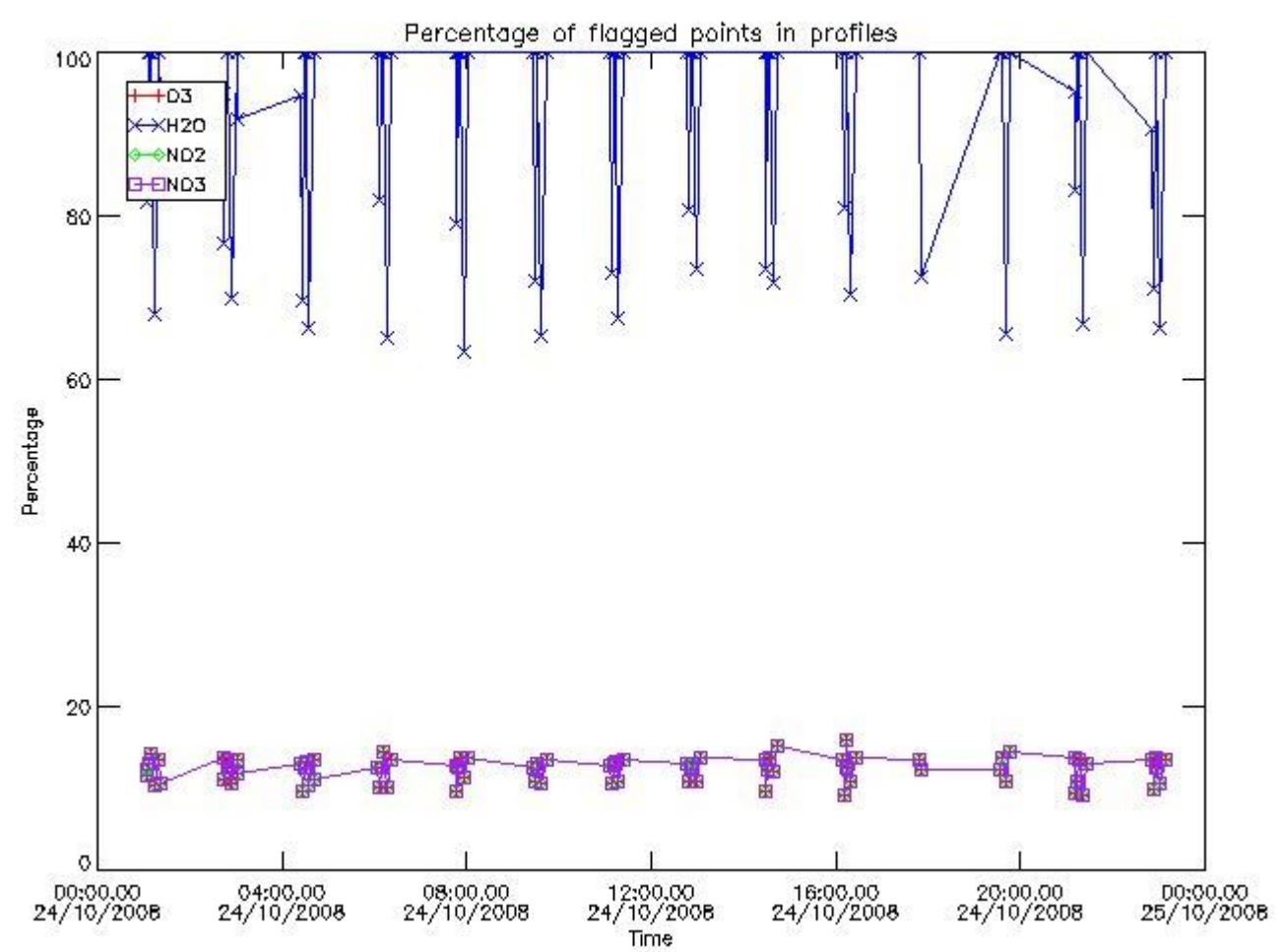
161	GOM_NL__2PRFIN20081024_143403_000000372073_00154_34777_6632.N1	24-OCT-2008 14:34:03	Dark	37.000	29	Bet Car	1.6720	10200.	74	34777	No
162	GOM_NL__2PRFIN20081024_143830_000000472073_00154_34777_6633.N1	24-OCT-2008 14:38:30	Dark	46.500	2	Alp Car	-0.73600	7000.0	93	34777	No
163	GOM_NL__2PRFIN20081024_144504_000000372073_00154_34777_6634.N1	24-OCT-2008 14:45:04	Dark	37.000	143	Alp Hyi	2.8570	7200.0	74	34777	No
164	GOM_NL__2PRFIN20081024_144930_000000412073_00154_34777_6635.N1	24-OCT-2008 14:49:30	Straylight	41.000	157	The1Eri	2.9060	9300.0	82	34777	No
165	GOM_NL__2PRFIN20081024_145753_000000412073_00154_34777_6636.N1	24-OCT-2008 14:57:53	Straylight	41.000	52	16Bet Cet	2.0370	4500.0	82	34777	No
166	GOM_NL__2PRFIN20081024_150722_000000362073_00154_34777_6637.N1	24-OCT-2008 15:07:22	Bright	36.000	140	88Gam Peg	2.8340	26000.	72	34777	No
167	GOM_NL__2PRFIN20081024_151116_000000362073_00154_34777_6638.N1	24-OCT-2008 15:11:16	Bright	35.500	58	21Alp And	2.0730	11000.	71	34777	No
168	GOM_NL__2PRFIN20081024_151310_000000402073_00154_34777_6639.N1	24-OCT-2008 15:13:10	Bright	40.000	53	43Bet And	2.0480	3300.0	80	34777	No
169	GOM_NL__2PRFIN20081024_151856_000000342073_00154_34777_6640.N1	24-OCT-2008 15:18:56	Bright	33.500	68	18Alp Cas	2.2250	4500.0	67	34777	No
170	GOM_NL__2PRFIN20081024_152012_000000342073_00154_34777_6641.N1	24-OCT-2008 15:20:12	Bright	34.000	76	27Gam Cas	2.3000	30000.	68	34777	No
171	GOM_NL__2PRFIN20081024_152811_000000362073_00154_34777_6642.N1	24-OCT-2008 15:28:11	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	34777	No
172	GOM_NL__2PRFIN20081024_153625_000000372073_00154_34777_6643.N1	24-OCT-2008 15:36:25	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	34777	No
173	GOM_NL__2PRFIN20081024_153800_000000362073_00154_34777_6644.N1	24-OCT-2008 15:38:00	Bright	35.500	82	48Bet UMa	2.3650	10600.	71	34777	No
174	GOM_NL__2PRFIN20081024_154132_000000372073_00154_34777_6645.N1	24-OCT-2008 15:41:32	Bright	36.500	174	52Psi UMa	3.0040	4400.0	73	34777	No
175	GOM_NL__2PRFIN20081024_154835_000000362073_00154_34777_6646.N1	24-OCT-2008 15:48:35	Bright	35.500	96	68Del Leo	2.5600	9300.0	71	34777	No
176	GOM_NL__2PRFIN20081024_160813_000000382073_00154_34777_6647.N1	24-OCT-2008 16:08:13	Dark	38.000	113	Mu Vel	2.6920	5000.0	76	34777	No
177	GOM_NL__2PRFIN20081024_161001_000000562073_00154_34777_6648.N1	24-OCT-2008 16:10:01	Dark	55.500	65	Lam Vel	2.2040	4400.0	111	34777	No
178	GOM_NL__2PRFIN20081024_161253_000000412073_00155_34778_6646.N1	24-OCT-2008 16:12:53	Dark	40.500	46	Del Vel	1.9540	10600.	81	34778	No
179	GOM_NL__2PRFIN20081024_161440_000000352073_00155_34778_6647.N1	24-OCT-2008 16:14:40	Dark	35.000	29	Bet Car	1.6720	10200.	70	34778	No
180	GOM_NL__2PRFIN20081024_161906_000000482073_00155_34778_6648.N1	24-OCT-2008 16:19:06	Dark	47.500	2	Alp Car	-0.73600	7000.0	95	34778	No
181	GOM_NL__2PRFIN20081024_162541_000000372073_00155_34778_6649.N1	24-OCT-2008 16:25:41	Dark	37.000	143	Alp Hyi	2.8570	7200.0	74	34778	No
182	GOM_NL__2PRFIN20081024_163006_000000432073_00155_34778_6650.N1	24-OCT-2008 16:30:06	Straylight	42.500	157	The1Eri	2.9060	9300.0	85	34778	No
183	GOM_NL__2PRFIN20081024_163829_000000412073_00155_34778_6651.N1	24-OCT-2008 16:38:29	Straylight	41.000	52	16Bet Cet	2.0370	4500.0	82	34778	No
184	GOM_NL__2PRFIN20081024_164758_000000362073_00155_34778_6652.N1	24-OCT-2008 16:47:58	Bright	35.500	140	88Gam Peg	2.8340	26000.	71	34778	No
185	GOM_NL__2PRFIN20081024_165152_000000342073_00155_34778_6653.N1	24-OCT-2008 16:51:52	Bright	34.000	58	21Alp And	2.0730	11000.	68	34778	No
186	GOM_NL__2PRFIN20081024_165346_000000402073_00155_34778_6654.N1	24-OCT-2008 16:53:46	Bright	39.500	53	43Bet And	2.0480	3300.0	79	34778	No
187	GOM_NL__2PRFIN20081024_165932_000000362073_00155_34778_6655.N1	24-OCT-2008 16:59:32	Bright	36.000	68	18Alp Cas	2.2250	4500.0	72	34778	No
188	GOM_NL__2PRFIN20081024_170048_000000382073_00155_34778_6656.N1	24-OCT-2008 17:00:48	Bright	37.500	76	27Gam Cas	2.3000	30000.	75	34778	No
189	GOM_NL__2PRFIN20081024_170847_000000372073_00155_34778_6657.N1	24-OCT-2008 17:08:47	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	34778	No
190	GOM_NL__2PRFIN20081024_171701_000000392073_00155_34778_6658.N1	24-OCT-2008 17:17:01	Bright	39.000	36	50Alp UMa	1.8000	6300.0	78	34778	No
191	GOM_NL__2PRFIN20081024_171836_000000492073_00155_34778_6659.N1	24-OCT-2008 17:18:36	Bright	49.000	82	48Bet UMa	2.3650	10600.	98	34778	No
192	GOM_NL__2PRFIN20081024_172208_000000392073_00155_34778_6660.N1	24-OCT-2008 17:22:08	Bright	39.000	174	52Psi UMa	3.0040	4400.0	78	34778	No
193	GOM_NL__2PRFIN20081024_172911_000000362073_00155_34778_6661.N1	24-OCT-2008 17:29:11	Bright	35.500	96	68Del Leo	2.5600	9300.0	71	34778	No
194	GOM_NL__2PRFIN20081024_174849_000000382073_00155_34778_6662.N1	24-OCT-2008 17:48:49	Dark	38.000	113	Mu Vel	2.6920	5000.0	76	34778	No
195	GOM_NL__2PRFIN20081024_175038_000000502073_00155_34778_6663.N1	24-OCT-2008 17:50:38	Dark	49.500	65	Lam Vel	2.2040	4400.0	99	34778	No
196	GOM_NL__2PRFIN20081024_193406_000000422073_00157_34780_6673.N1	24-OCT-2008 19:34:06	Dark	41.500	46	Del Vel	1.9540	10600.	83	34780	No
197	GOM_NL__2PRFIN20081024_193552_000000372073_00157_34780_6674.N1	24-OCT-2008 19:35:52	Dark	37.000	29	Bet Car	1.6720	10200.	74	34780	No
198	GOM_NL__2PRFIN20081024_194020_000000472073_00157_34780_6675.N1	24-OCT-2008 19:40:20	Dark	47.000	2	Alp Car	-0.73600	7000.0	94	34780	No
199	GOM_NL__2PRFIN20081024_194653_000000362073_00157_34780_6676.N1	24-OCT-2008 19:46:53	Dark	35.500	143	Alp Hyi	2.8570	7200.0	71	34780	No
200	GOM_NL__2PRFIN20081024_195119_000000422073_00157_34780_6677.N1	24-OCT-2008 19:51:19	Straylight	42.000	157	The1Eri	2.9060	9300.0	84	34780	No
201	GOM_NL__2PRFIN20081024_195942_000000452073_00157_34780_6678.N1	24-OCT-2008 19:59:42	Straylight	44.500	52	16Bet Cet	2.0370	4500.0	89	34780	No
202	GOM_NL__2PRFIN20081024_200911_000000372073_00157_34780_6679.N1	24-OCT-2008 20:09:11	Bright	36.500	140	88Gam Peg	2.8340	26000.	73	34780	No
203	GOM_NL__2PRFIN20081024_201304_000000372073_00157_34780_6680.N1	24-OCT-2008 20:13:04	Bright	36.500	58	21Alp And	2.0730	11000.	73	34780	No
204	GOM_NL__2PRFIN20081024_201458_000000382073_00157_34780_6681.N1	24-OCT-2008 20:14:58	Bright	37.500	53	43Bet And	2.0480	3300.0	75	34780	No
205	GOM_NL__2PRFIN20081024_202044_000000372073_00157_34780_6682.N1	24-OCT-2008 20:20:44	Bright	36.500	68	18Alp Cas	2.2250	4500.0	73	34780	No
206	GOM_NL__2PRFIN20081024_202200_000000372073_00157_34780_6683.N1	24-OCT-2008 20:22:00	Bright	37.000	76	27Gam Cas	2.3000	30000.	74	34780	No
207	GOM_NL__2PRFIN20081024_202959_000000372073_00157_34780_6684.N1	24-OCT-2008 20:29:59	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	34780	No
208	GOM_NL__2PRFIN20081024_203812_000000352073_00157_34780_6685.N1	24-OCT-2008 20:38:12	Bright	34.500	36	50Alp UMa	1.8000	6300.0	69	34780	No
209	GOM_NL__2PRFIN20081024_203948_000000342073_00157_34780_6686.N1	24-OCT-2008 20:39:48	Bright	34.000	82	48Bet UMa	2.3650	10600.	68	34780	No
210	GOM_NL__2PRFIN20081024_204320_000000362073_00157_34780_6687.N1	24-OCT-2008 20:43:20	Bright	35.500	174	52Psi UMa	3.0040	4400.0	71	34780	No
211	GOM_NL__2PRFIN20081024_205024_000000542073_00157_34780_6688.N1	24-OCT-2008 20:50:24	Bright	53.500	96	68Del Leo	2.5600	9300.0	107	34780	No
212	GOM_NL__2PRFIN20081024_211002_000000412073_00157_34780_6689.N1	24-OCT-2008 21:10:02	Dark	41.000	113	Mu Vel	2.6920	5000.0	82	34780	No
213	GOM_NL__2PRFIN20081024_211151_000000542073_00157_34780_6690.N1	24-OCT-2008 21:11:51	Dark	54.000	65	Lam Vel	2.2040	4400.0	108	34780	No
214	GOM_NL__2PRFIN20081024_211443_000000472073_00158_34781_6685.N1	24-OCT-2008 21:14:43	Dark	46.500	46	Del Vel	1.9540	10600.	93	34781	No
215	GOM_NL__2PRFIN20081024_211628_000000382073_00158_34781_6686.N1	24-OCT-2008 21:16:28	Dark	37.500	29	Bet Car	1.6720	10200.	75	34781	No
216	GOM_NL__2PRFIN20081024_212056_000000562073_00158_34781_6687.N1	24-OCT-2008 21:20:56	Dark	56.000	2	Alp Car	-0.73600	7000.0	112	34781	No
217	GOM_NL__2PRFIN20081024_212729_000000392073_00158_34781_6688.N1	24-OCT-2008 21:27:29	Dark	39.000	143	Alp Hyi	2.8570	7200.0	78	34781	No
218	GOM_NL__2PRFIN20081024_213155_000000422073_00158_34781_6689.N1	24-OCT-2008 21:31:55	Straylight	42.000	157	The1Eri	2.9060	9300.0	84	34781	No
219	GOM_NL__2PRFIN20081024_214018_000000442073_00158_34781_6690.N1	24-OCT-2008 21:40:18	Straylight	43.500	52	16Bet Cet	2.0370	4500.0	87	34781	No

220	GOM_NL__2PRFIN20081024_214947_000000352073_00158_34781_6691.N1	24-OCT-2008 21:49:47	Bright	35.000	140	88Gam Peg	2.8340	26000.	70	34781	No
221	GOM_NL__2PRFIN20081024_215340_000000372073_00158_34781_6692.N1	24-OCT-2008 21:53:40	Bright	37.000	58	21Alp And	2.0730	11000.	74	34781	No
222	GOM_NL__2PRFIN20081024_215533_000000402073_00158_34781_6693.N1	24-OCT-2008 21:55:33	Bright	40.000	53	43Bet And	2.0480	3300.0	80	34781	No
223	GOM_NL__2PRFIN20081024_220120_000000362073_00158_34781_6694.N1	24-OCT-2008 22:01:20	Bright	35.500	68	18Alp Cas	2.2250	4500.0	71	34781	No
224	GOM_NL__2PRFIN20081024_220236_000000342073_00158_34781_6695.N1	24-OCT-2008 22:02:36	Bright	34.000	76	27Gam Cas	2.3000	30000.	68	34781	No
225	GOM_NL__2PRFIN20081024_221034_000000362073_00158_34781_6696.N1	24-OCT-2008 22:10:34	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	34781	No
226	GOM_NL__2PRFIN20081024_221848_000000382073_00158_34781_6697.N1	24-OCT-2008 22:18:48	Bright	37.500	36	50Alp UMa	1.8000	6300.0	75	34781	No
227	GOM_NL__2PRFIN20081024_222023_000000372073_00158_34781_6698.N1	24-OCT-2008 22:20:23	Bright	36.500	82	48Bet UMa	2.3650	10600.	73	34781	No
228	GOM_NL__2PRFIN20081024_222356_000000382073_00158_34781_6699.N1	24-OCT-2008 22:23:56	Bright	37.500	174	52Psi UMa	3.0040	4400.0	75	34781	No
229	GOM_NL__2PRFIN20081024_223100_000000352073_00158_34781_6700.N1	24-OCT-2008 22:31:00	Bright	35.000	96	68Del Leo	2.5600	9300.0	70	34781	No
230	GOM_NL__2PRFIN20081024_225038_000000382073_00158_34781_6701.N1	24-OCT-2008 22:50:38	Dark	37.500	113	Mu Vel	2.6920	5000.0	75	34781	No
231	GOM_NL__2PRFIN20081024_225228_000000562073_00158_34781_6702.N1	24-OCT-2008 22:52:28	Dark	56.000	65	Lam Vel	2.2040	4400.0	112	34781	No
232	GOM_NL__2PRFIN20081024_225519_000000412073_00159_34782_6708.N1	24-OCT-2008 22:55:19	Dark	40.500	46	Del Vel	1.9540	10600.	81	34782	No
233	GOM_NL__2PRFIN20081024_225704_000000372073_00159_34782_6709.N1	24-OCT-2008 22:57:04	Dark	37.000	29	Bet Car	1.6720	10200.	74	34782	No
234	GOM_NL__2PRFIN20081024_230133_000000482073_00159_34782_6710.N1	24-OCT-2008 23:01:33	Dark	48.000	2	Alp Car	-0.73600	7000.0	96	34782	No
235	GOM_NL__2PRFIN20081024_230805_000000382073_00159_34782_6711.N1	24-OCT-2008 23:08:05	Dark	37.500	143	Alp Hyi	2.8570	7200.0	75	34782	No
236	GOM_NL__2PRFIN20081024_231231_000000422073_00159_34782_6712.N1	24-OCT-2008 23:12:31	Straylight	42.000	157	The1Eri	2.9060	9300.0	84	34782	No
237	GOM_NL__2PRFIN20081024_232054_000000422073_00159_34782_6713.N1	24-OCT-2008 23:20:54	Straylight	42.000	52	16Bet Cet	2.0370	4500.0	84	34782	No
238	GOM_NL__2PRFIN20081024_233023_000000362073_00159_34782_6714.N1	24-OCT-2008 23:30:23	Bright	35.500	140	88Gam Peg	2.8340	26000.	71	34782	No
239	GOM_NL__2PRFIN20081024_233416_000000362073_00159_34782_6715.N1	24-OCT-2008 23:34:16	Bright	36.000	58	21Alp And	2.0730	11000.	72	34782	No
240	GOM_NL__2PRFIN20081024_233609_000000362073_00159_34782_6716.N1	24-OCT-2008 23:36:09	Bright	35.500	53	43Bet And	2.0480	3300.0	71	34782	No
241	GOM_NL__2PRFIN20081024_234156_000000372073_00159_34782_6717.N1	24-OCT-2008 23:41:56	Bright	37.000	68	18Alp Cas	2.2250	4500.0	74	34782	No
242	GOM_NL__2PRFIN20081024_234311_000000372073_00159_34782_6718.N1	24-OCT-2008 23:43:11	Bright	36.500	76	27Gam Cas	2.3000	30000.	73	34782	No
243	GOM_NL__2PRFIN20081024_235110_000000332073_00159_34782_6719.N1	24-OCT-2008 23:51:10	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	34782	No
244	GOM_NL__2PRFIN20081024_235924_000000362073_00159_34782_6720.N1	24-OCT-2008 23:59:24	Bright	35.500	36	50Alp UMa	1.8000	6300.0	71	34782	No

3. Quality information per product

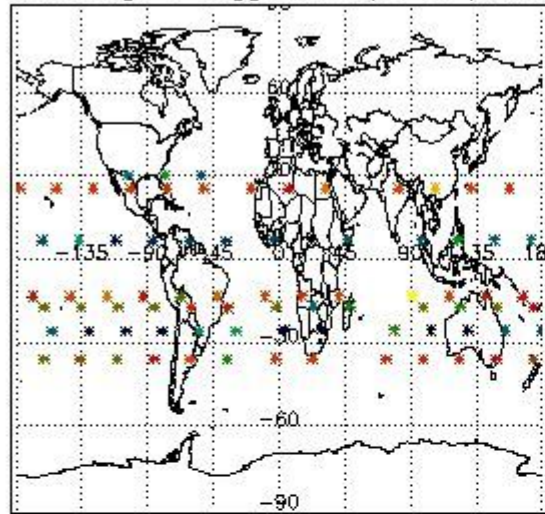
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

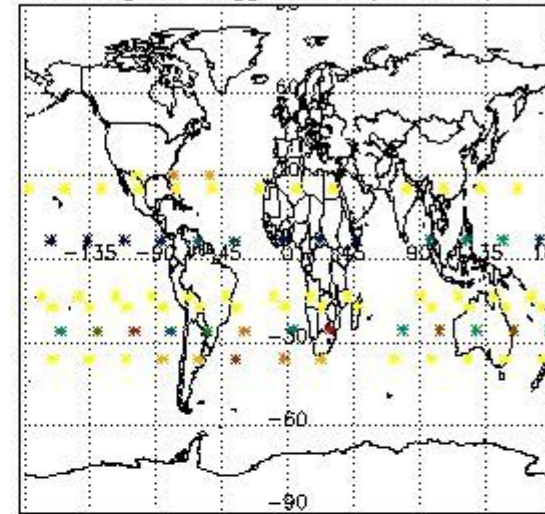


3.2 Plot quality information per product (world map)

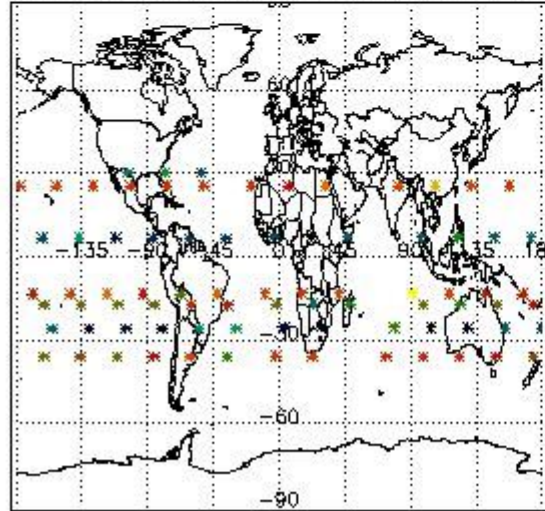
Percentage of flagged data per O3 profile



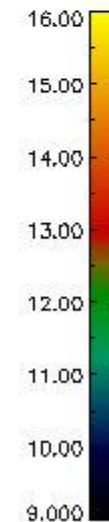
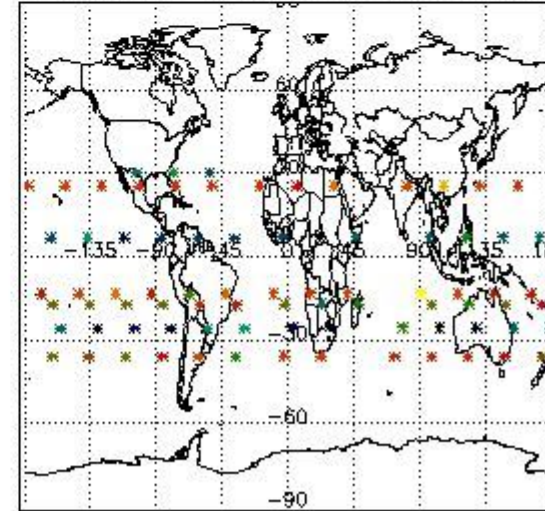
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

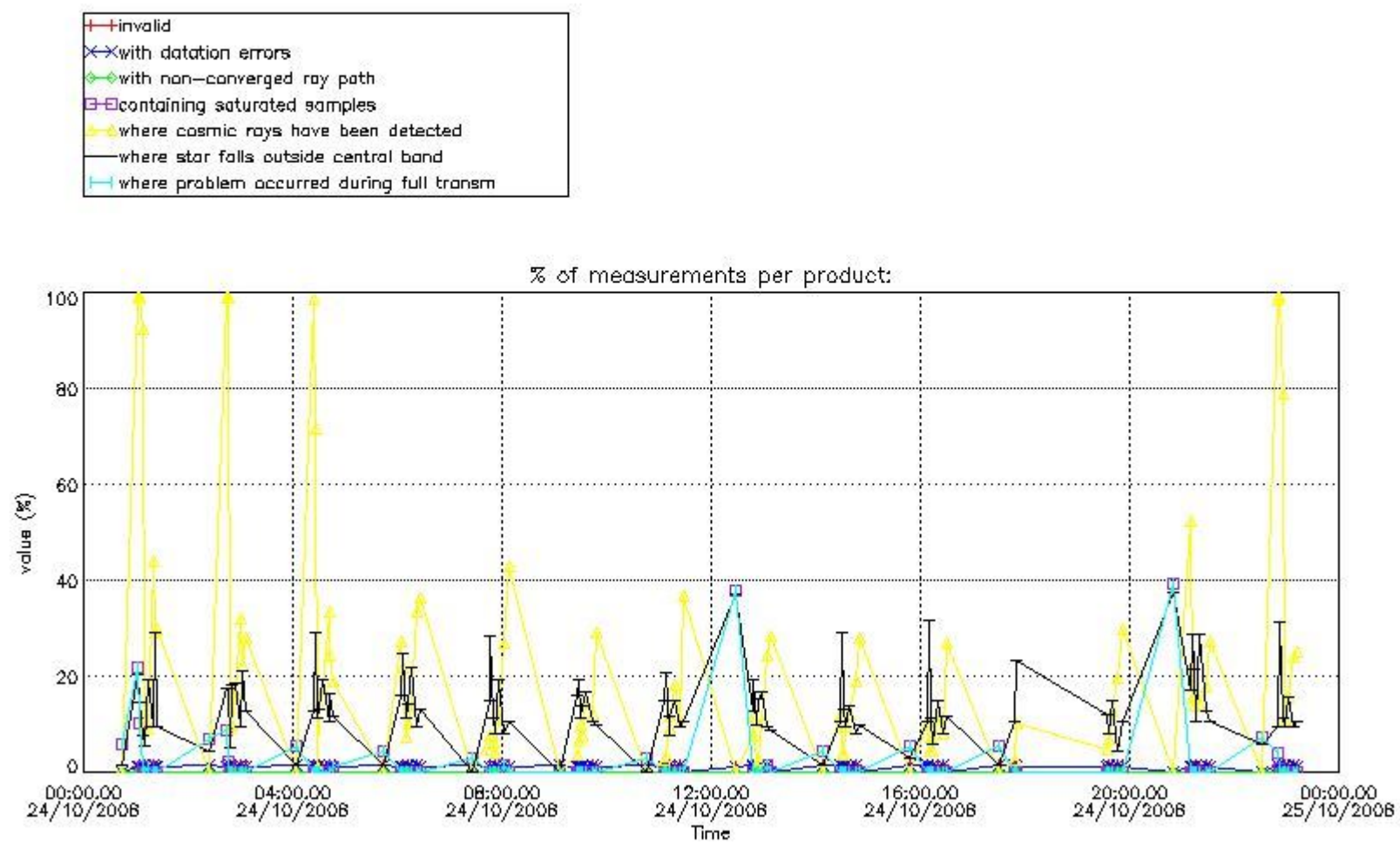


4. Level 1 quality information per product

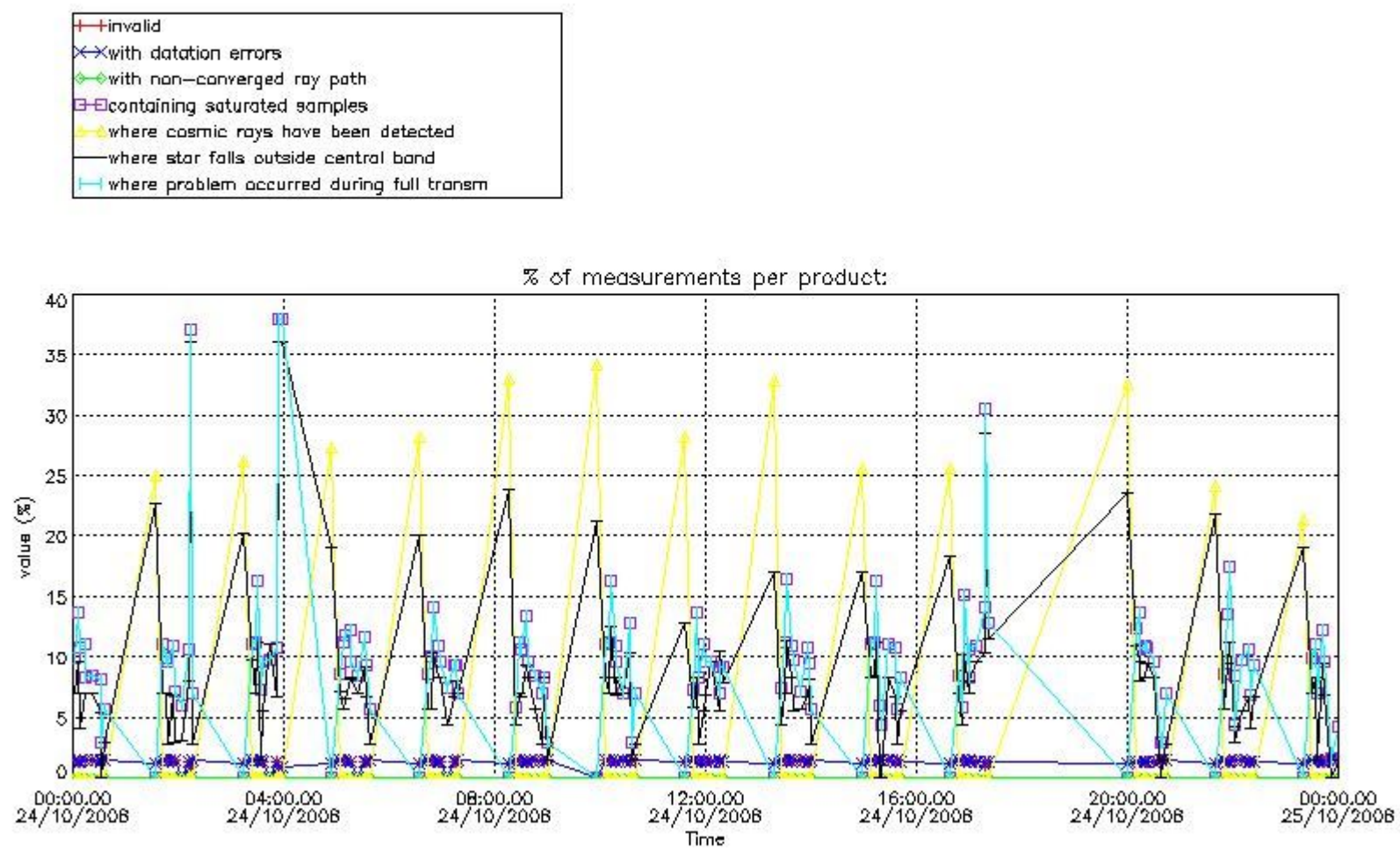
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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

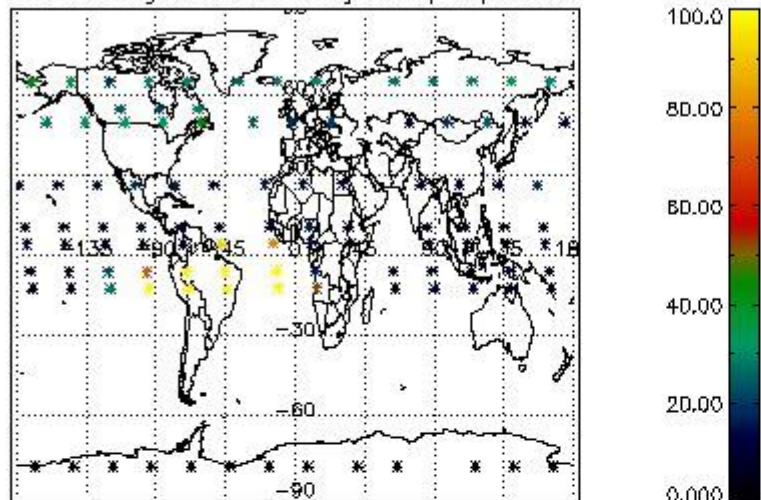


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

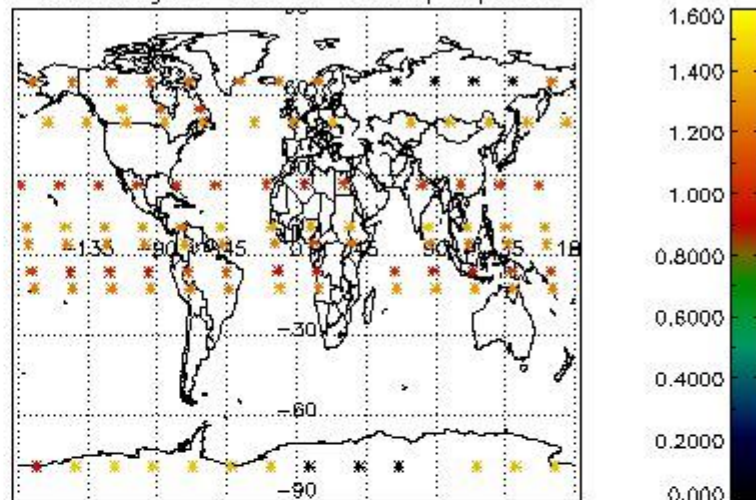


4.2 Plot quality information per product coming from level 1b processing (world map)
 4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes

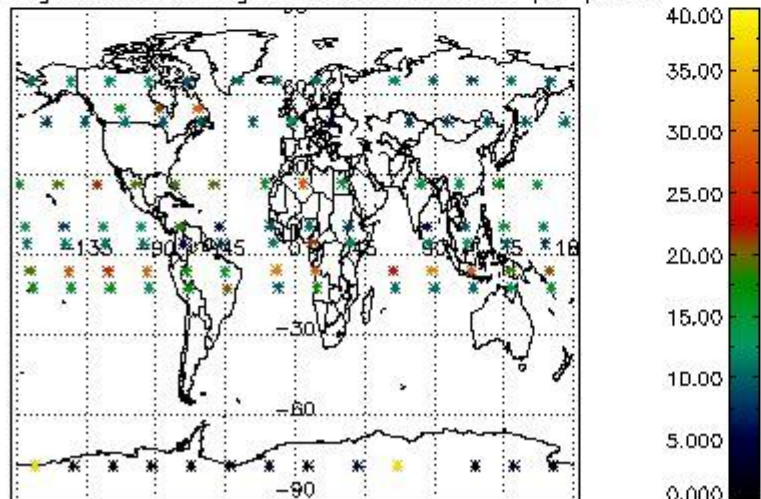
Percentage of cosmic ray hits per profile



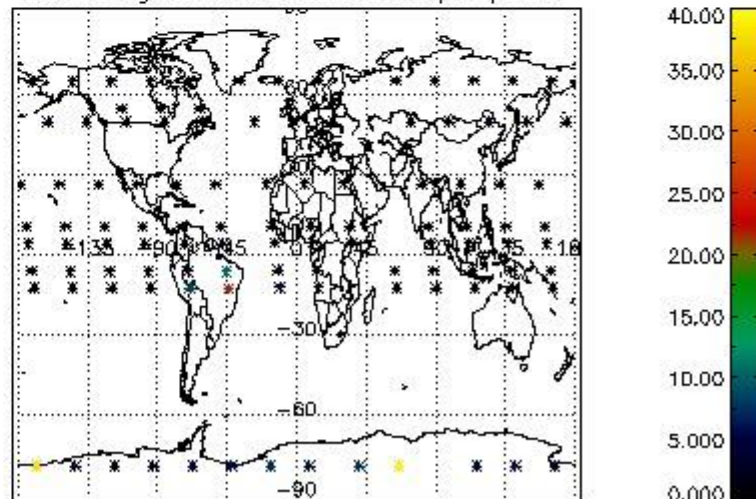
Percentage of datation errors per profile



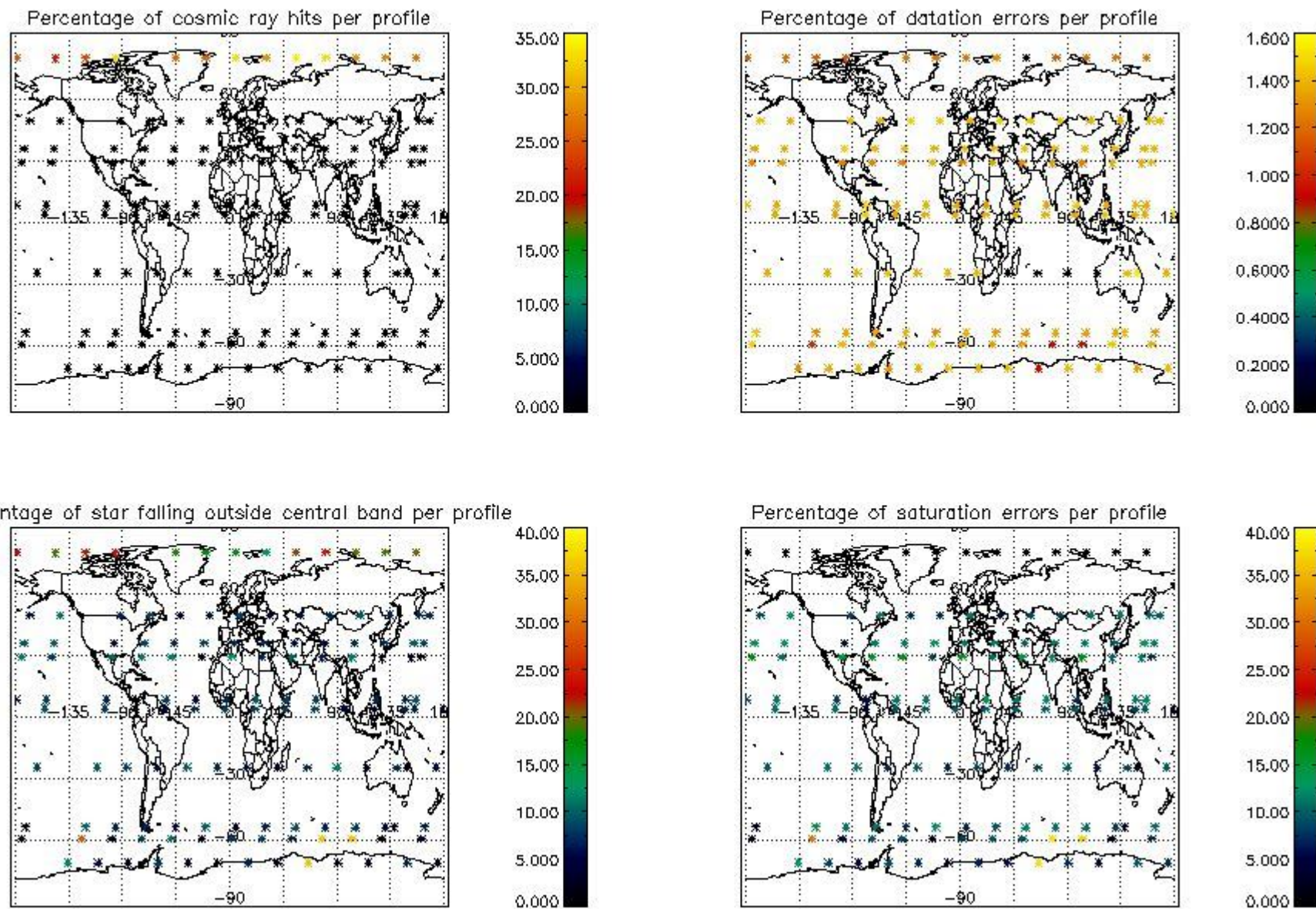
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



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

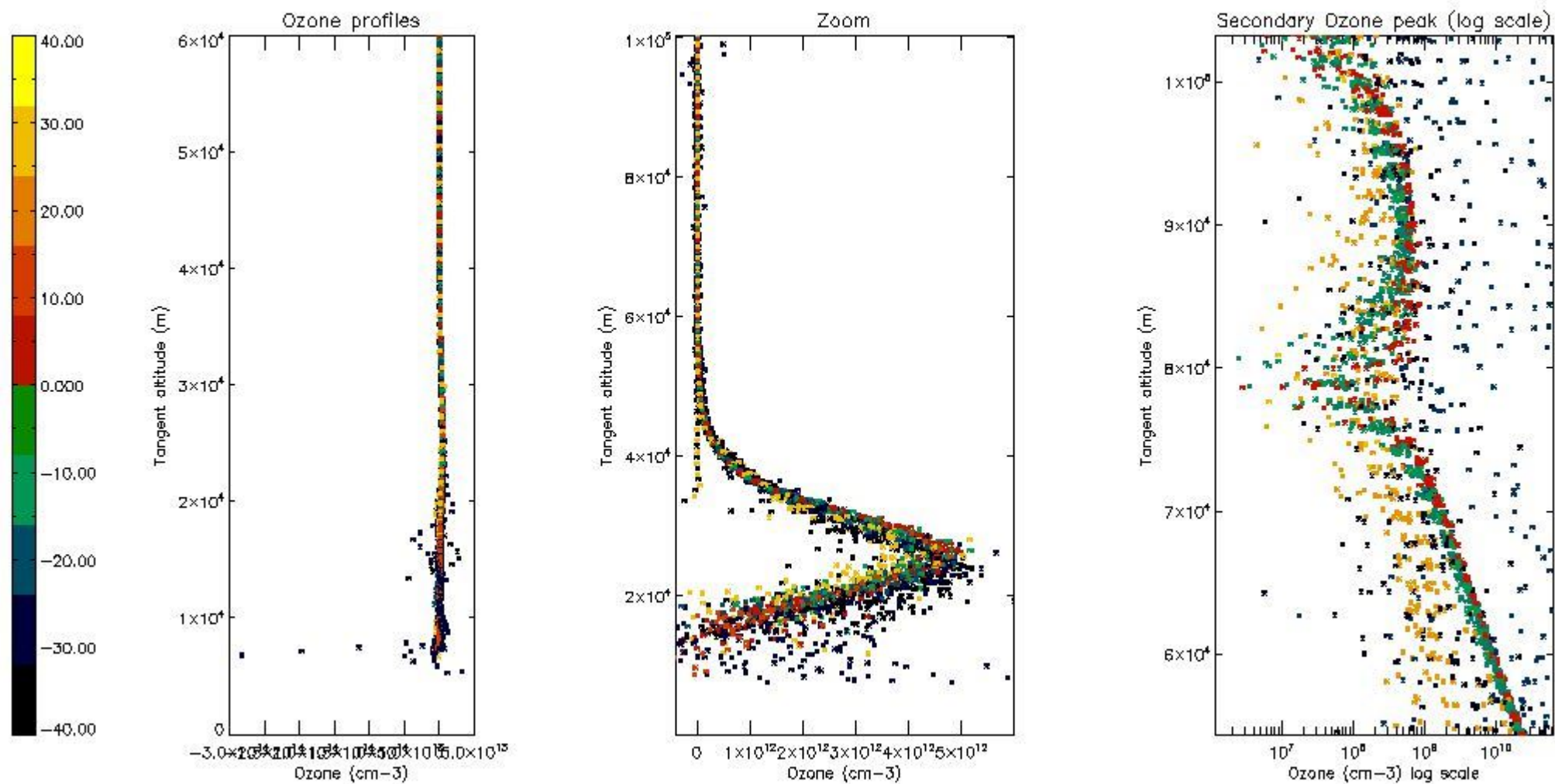
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	37
STD < 20	18

STD < 10	13
STD < 5	8

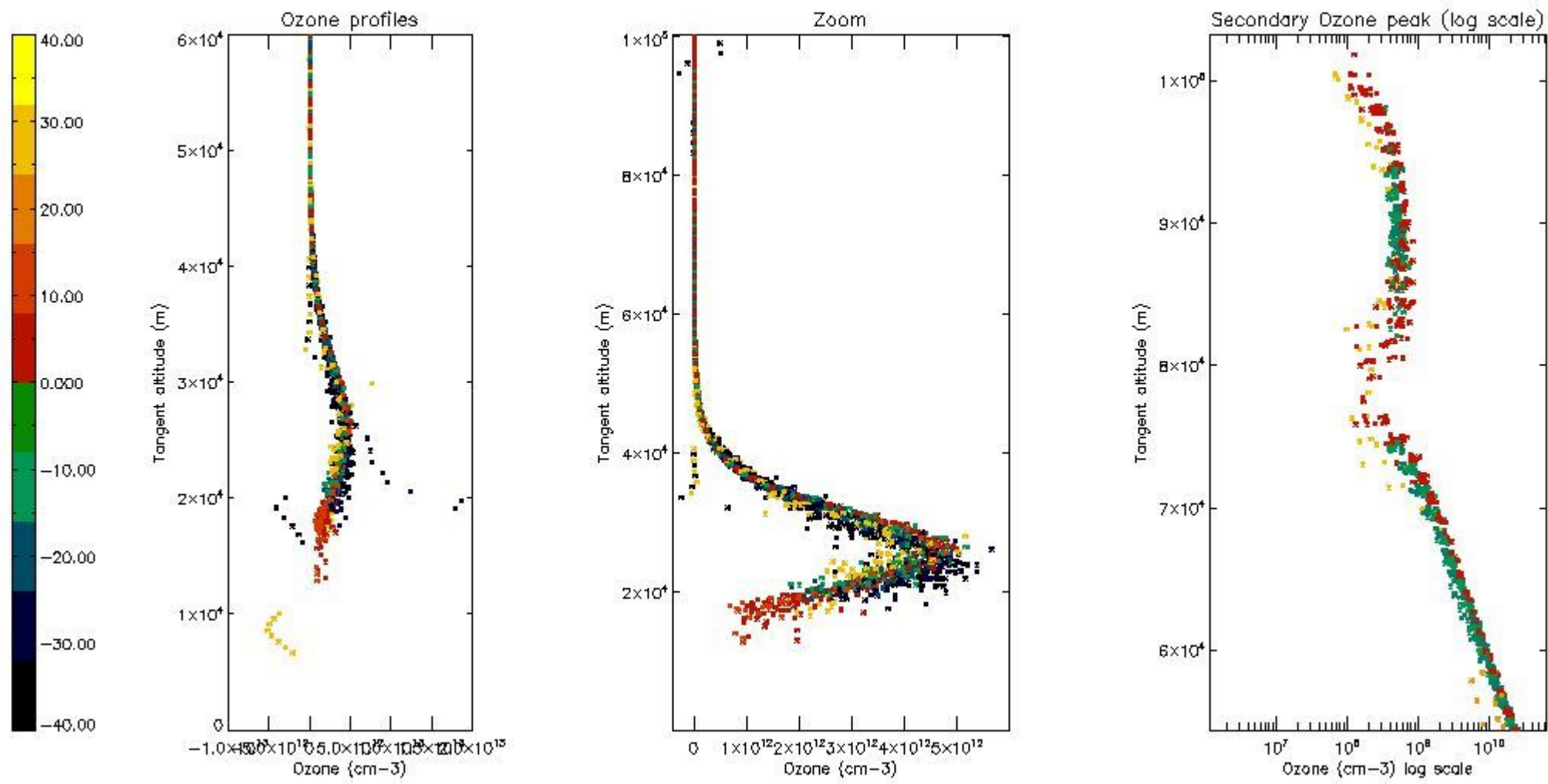
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



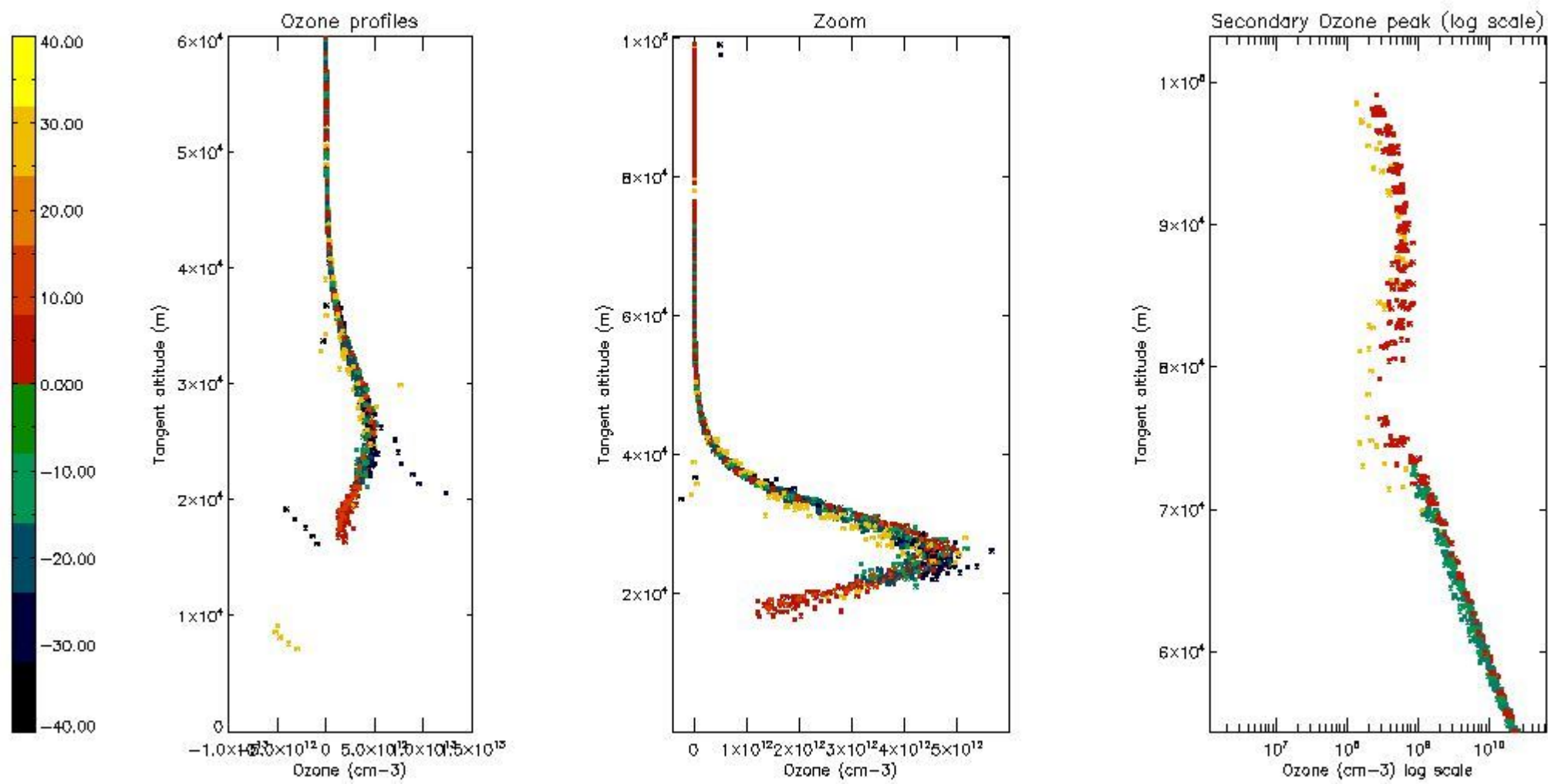
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



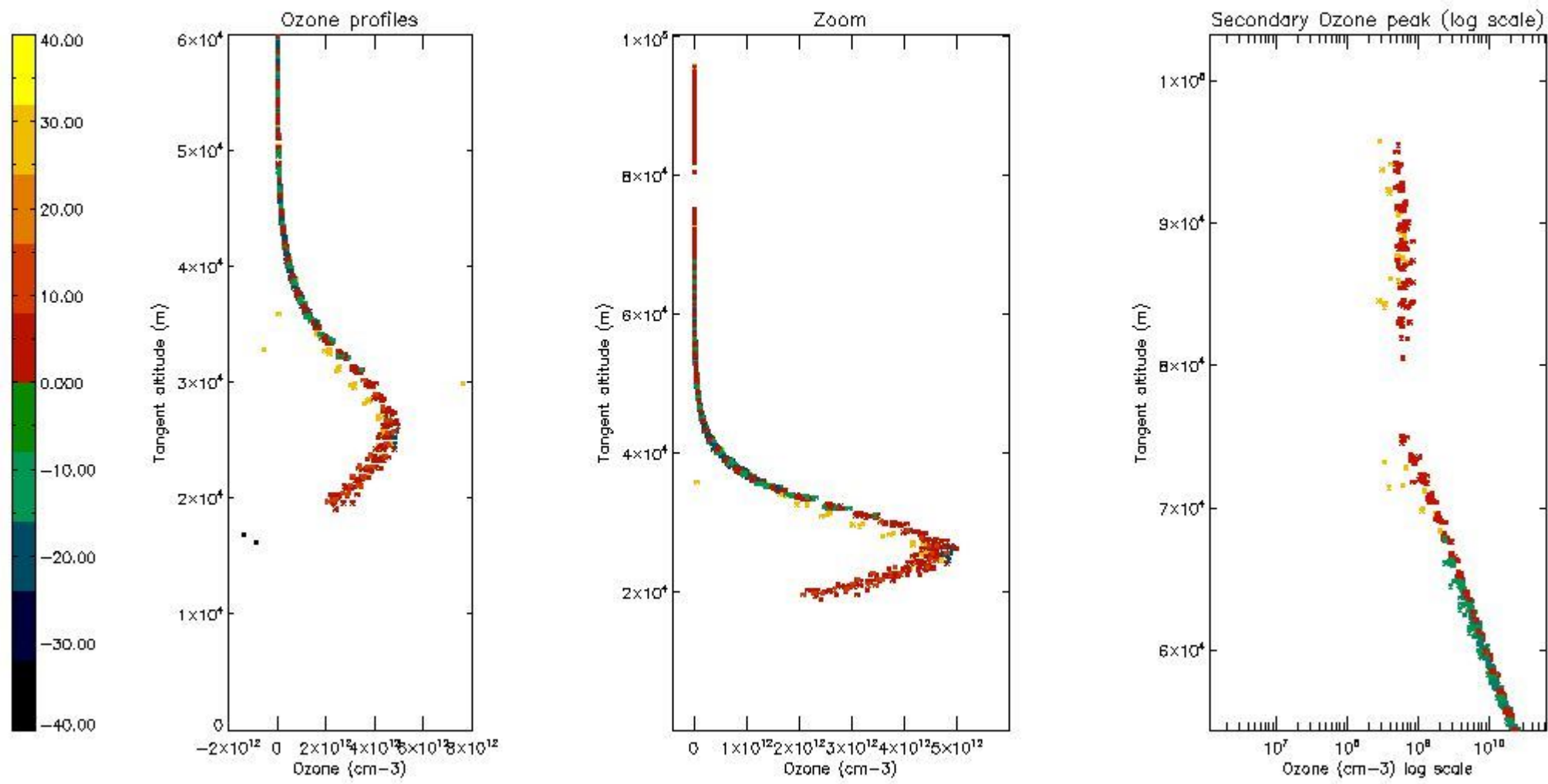
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



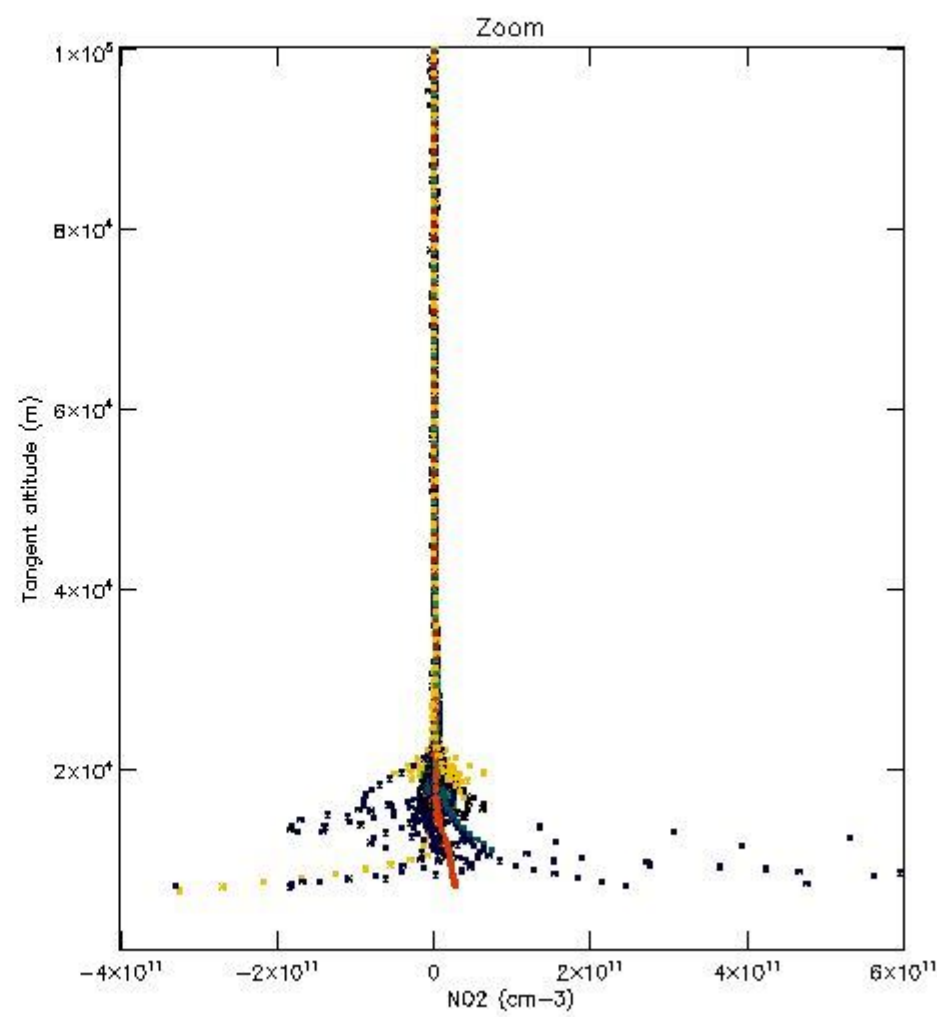
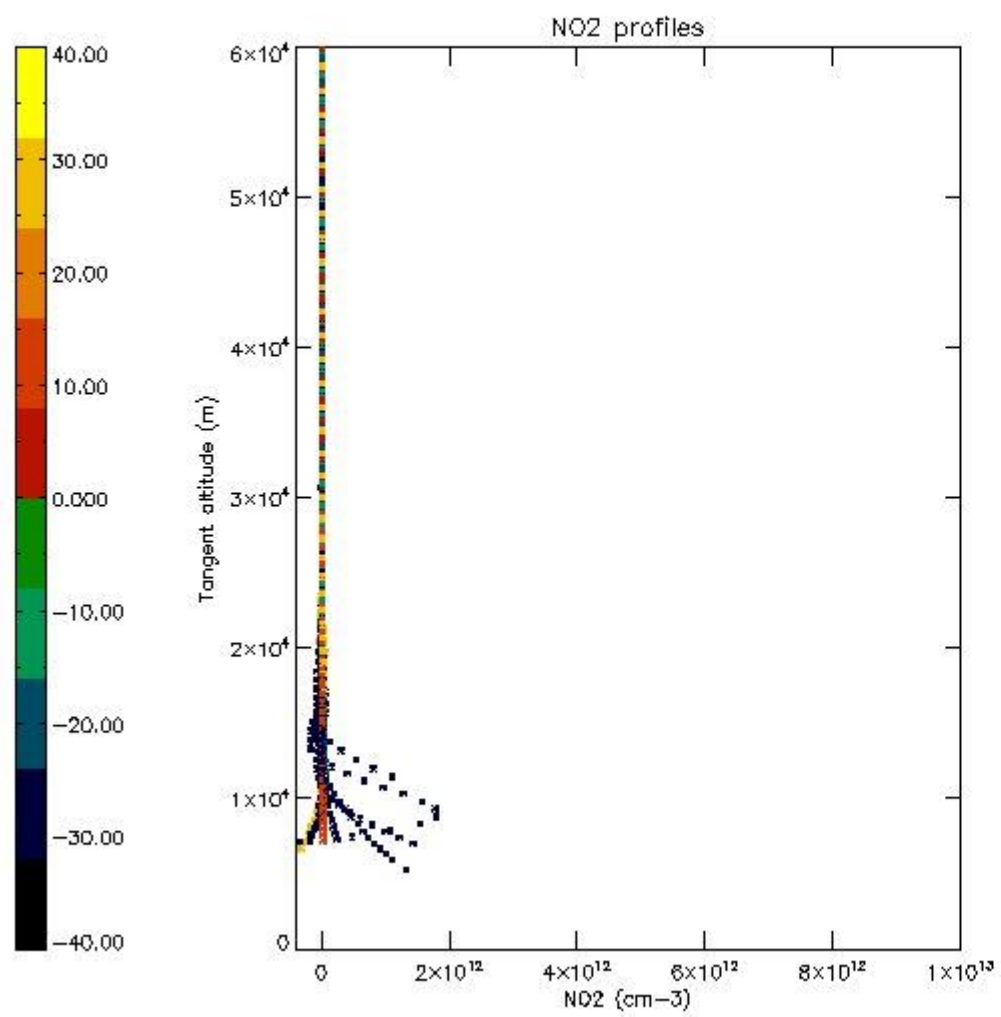
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



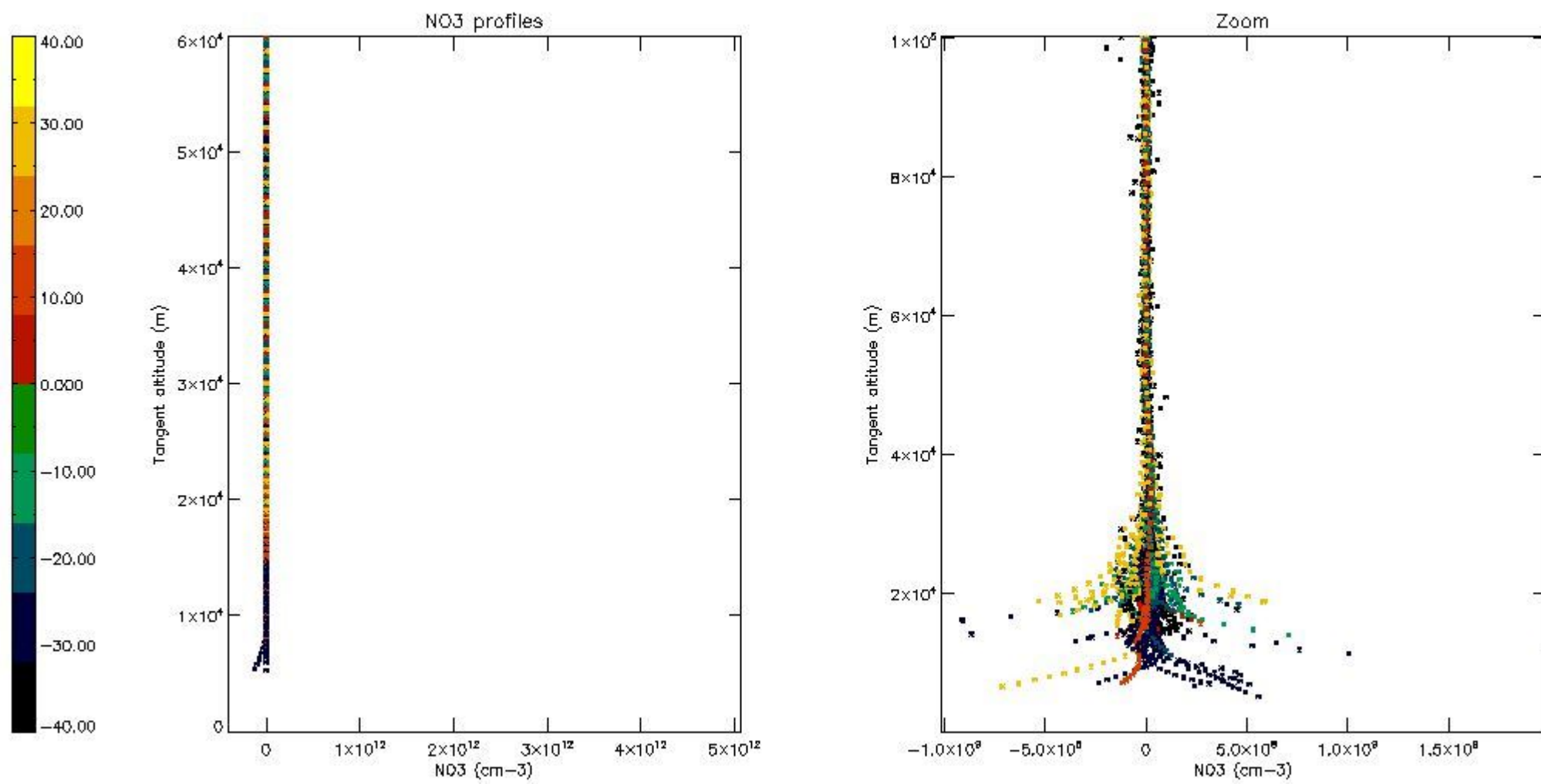
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



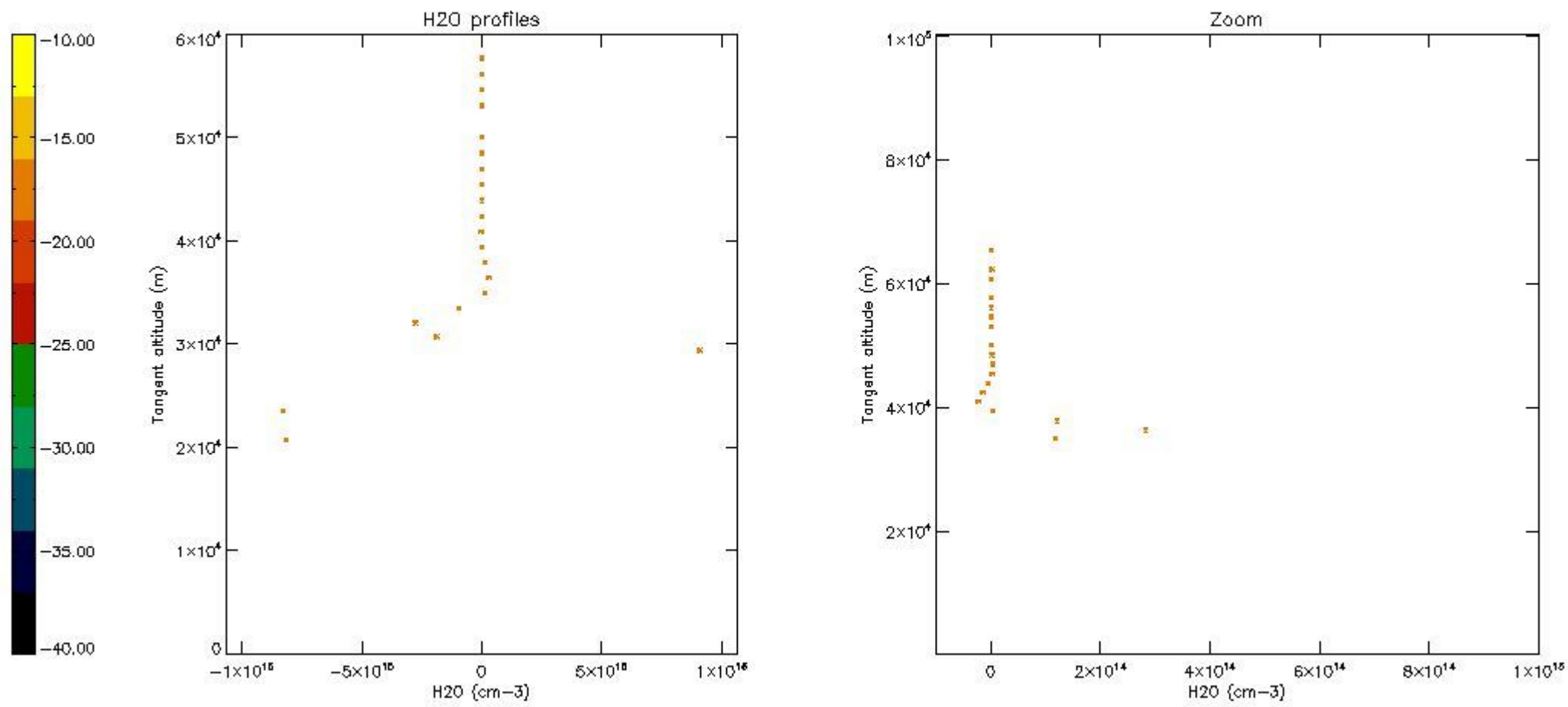
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

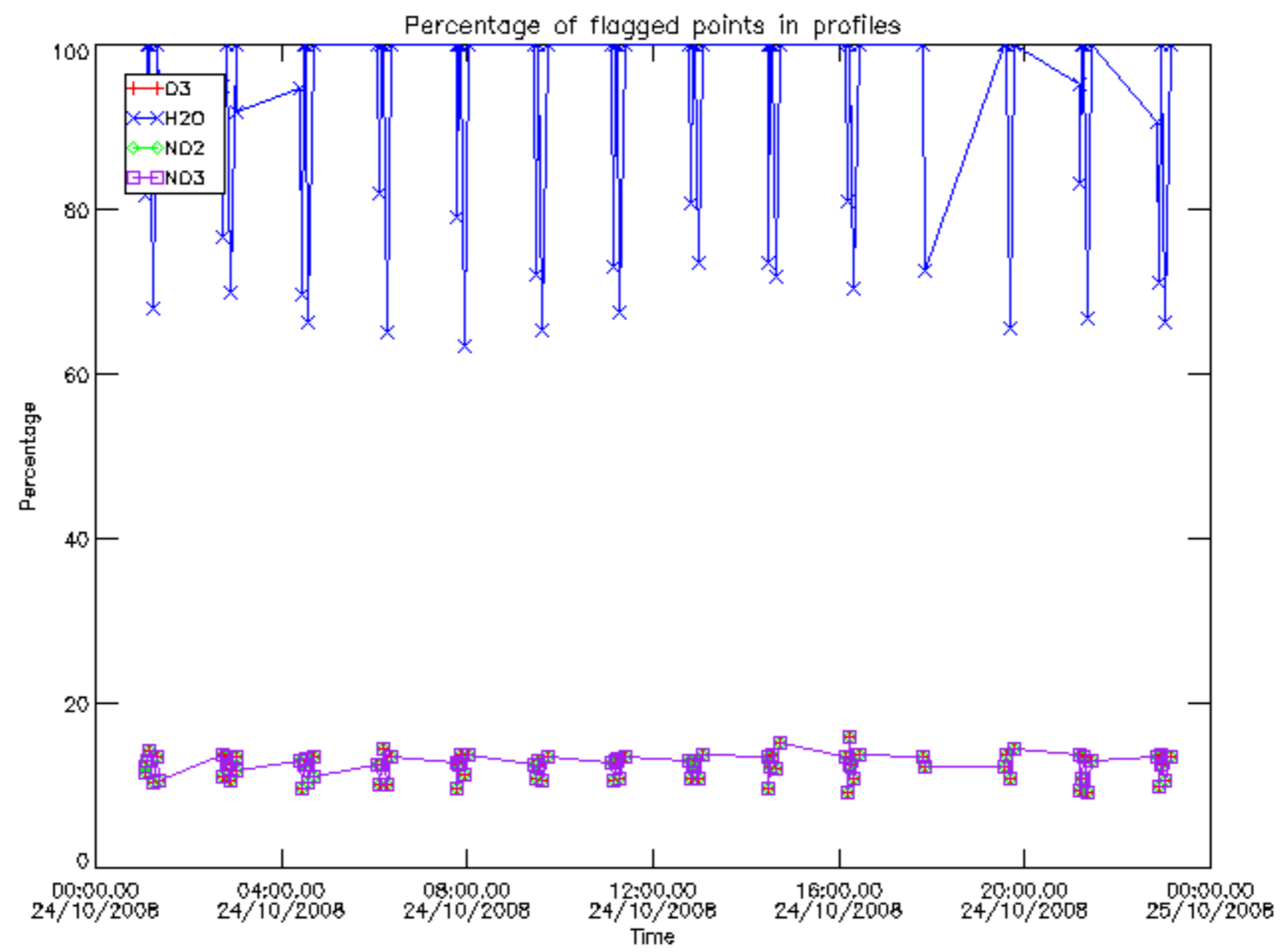
The colorbar represents the latitude.



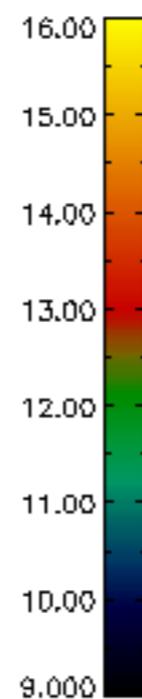
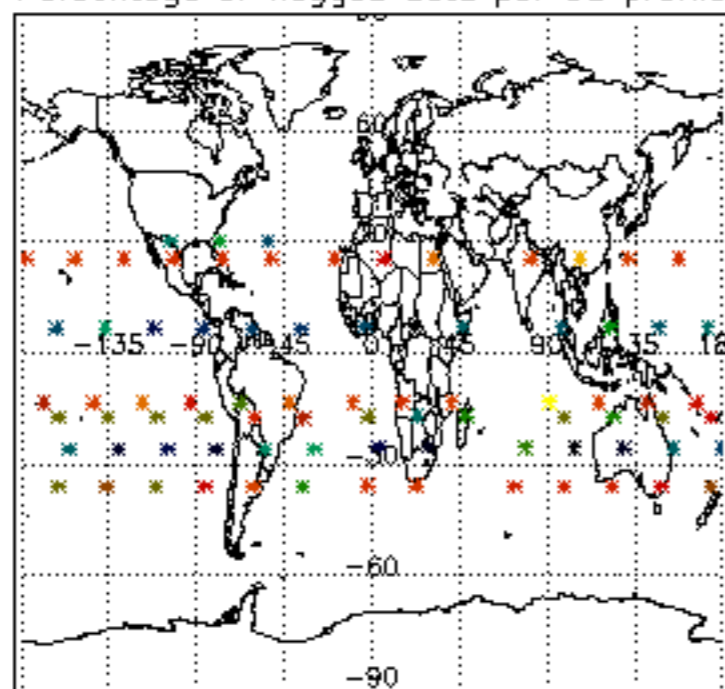
6. Auxiliary Data Files used for the production reported in section 2

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.

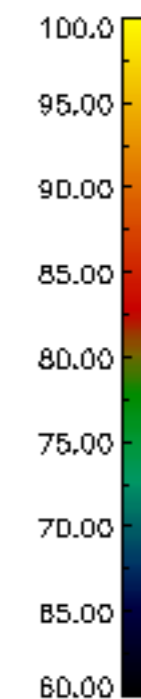
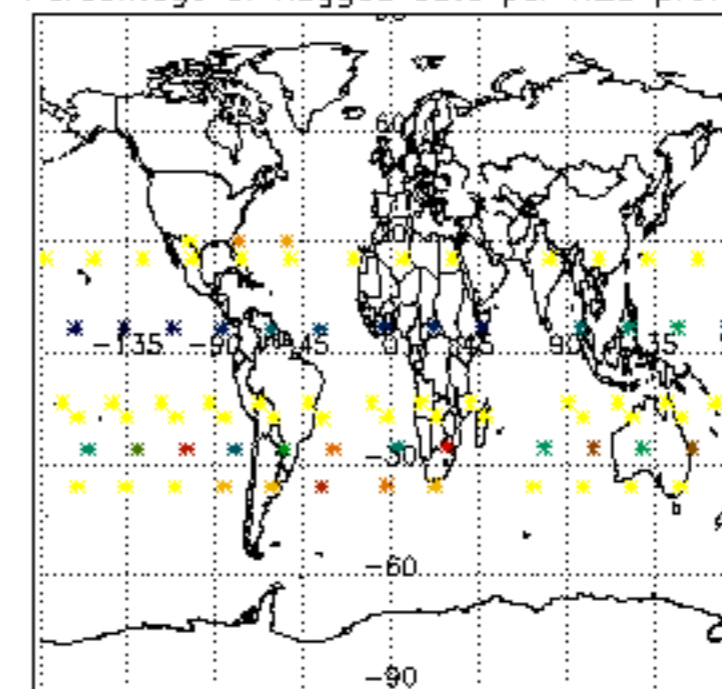
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	24-OCT-2008 00:01:58
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	24-OCT-2008 00:01:58
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	24-OCT-2008 00:01:58



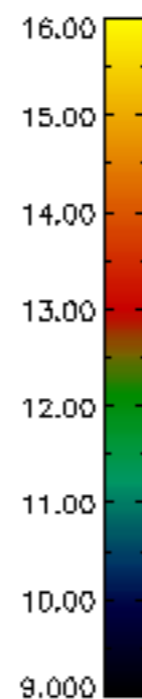
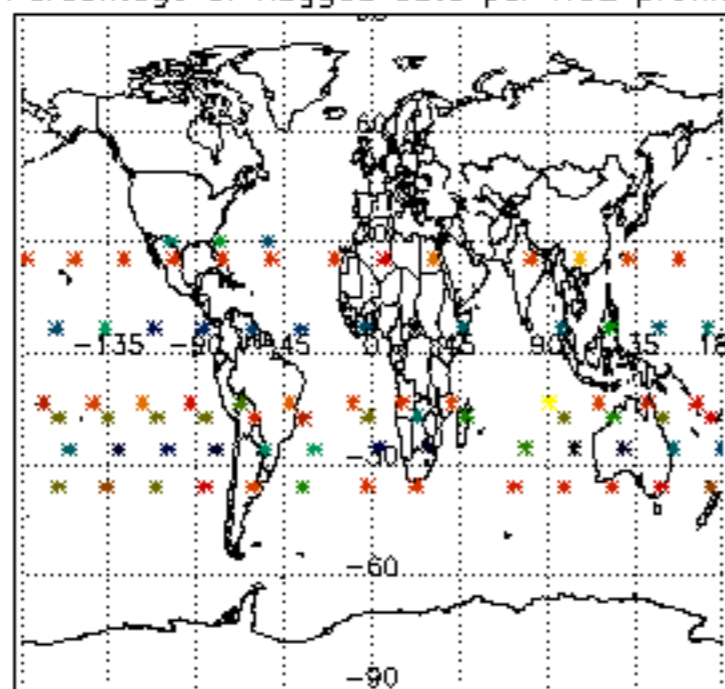
Percentage of flagged data per D3 profile



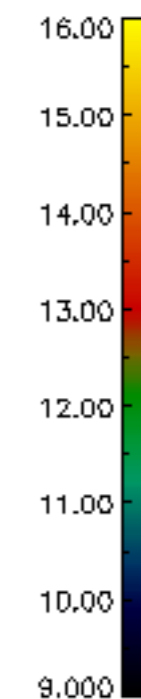
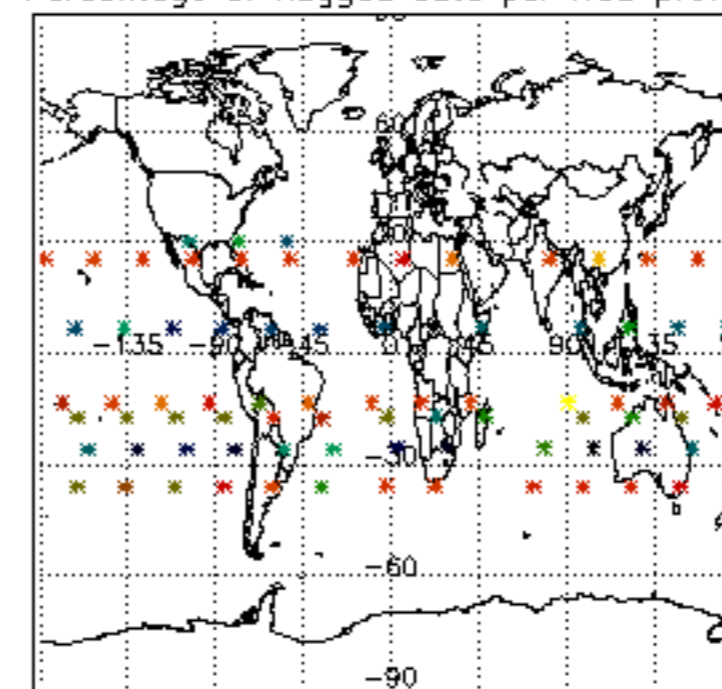
Percentage of flagged data per H2O profile

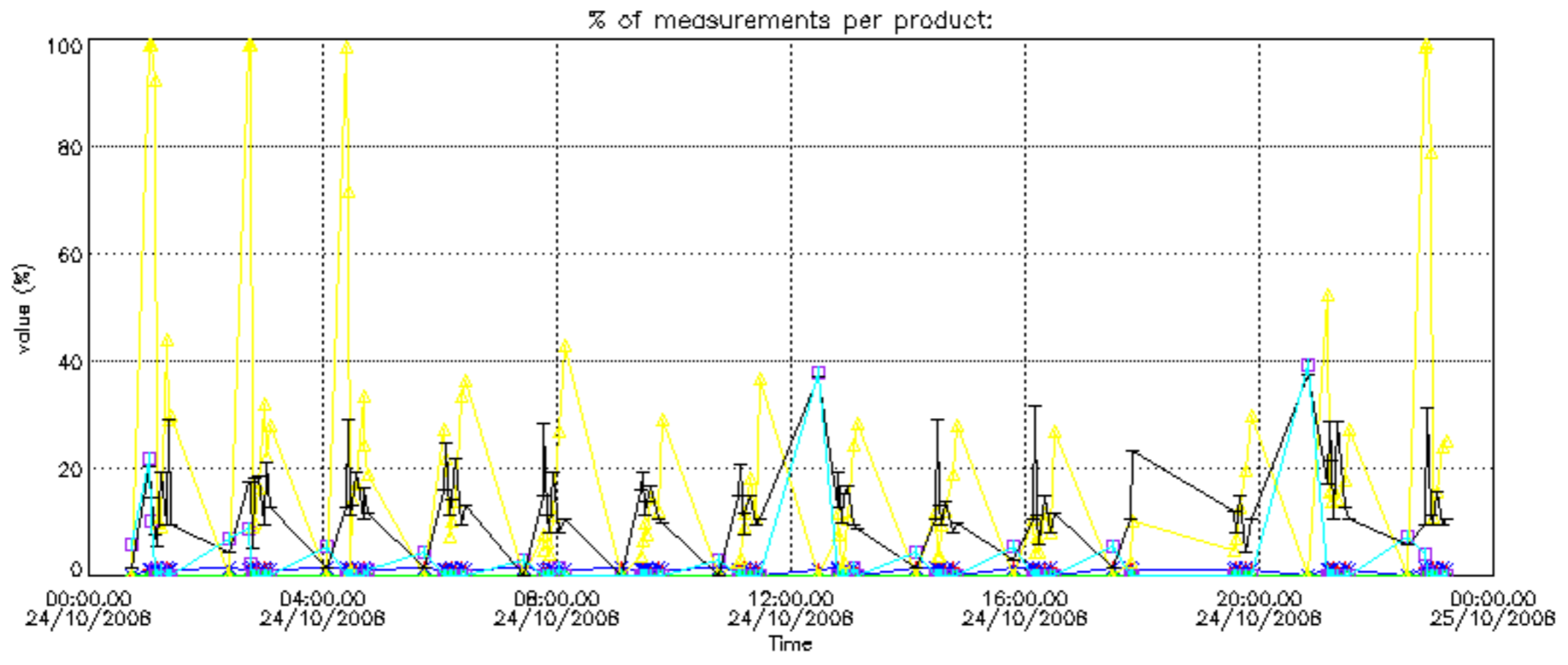


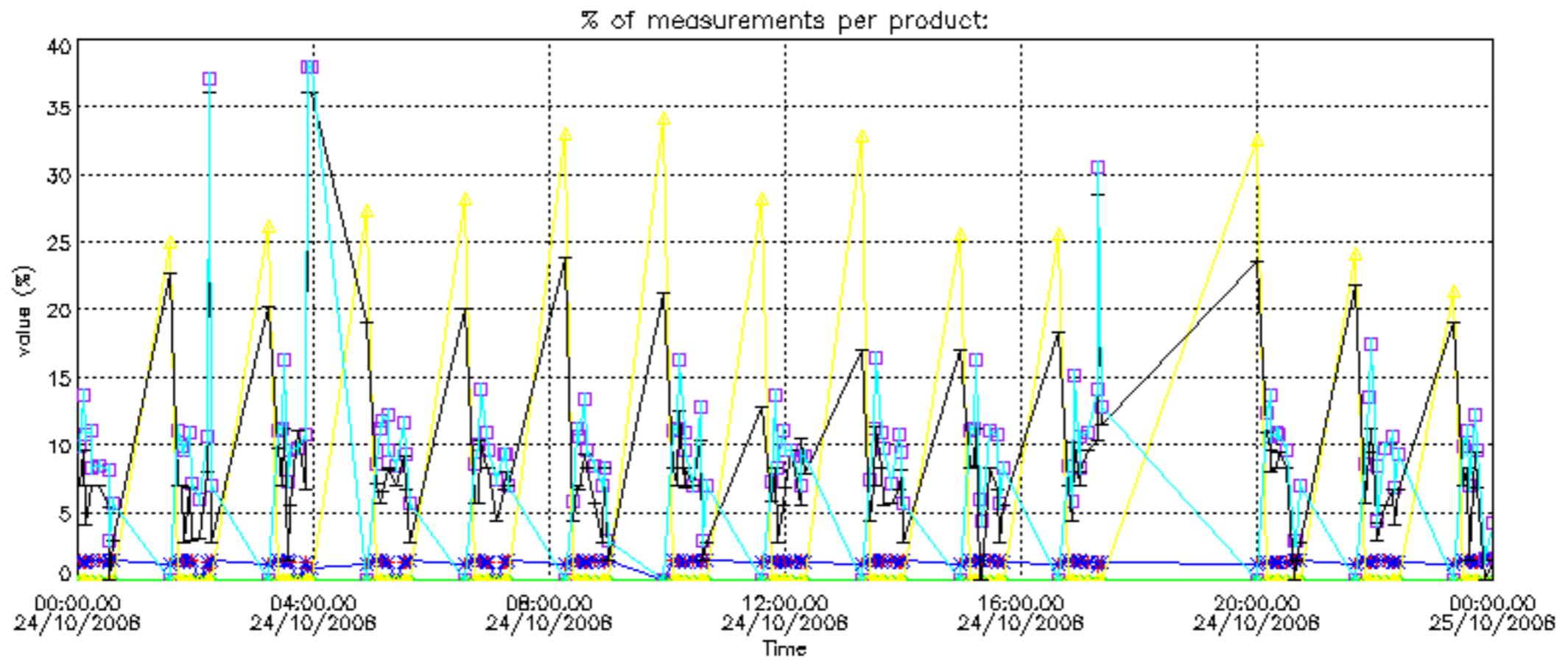
Percentage of flagged data per NO2 profile



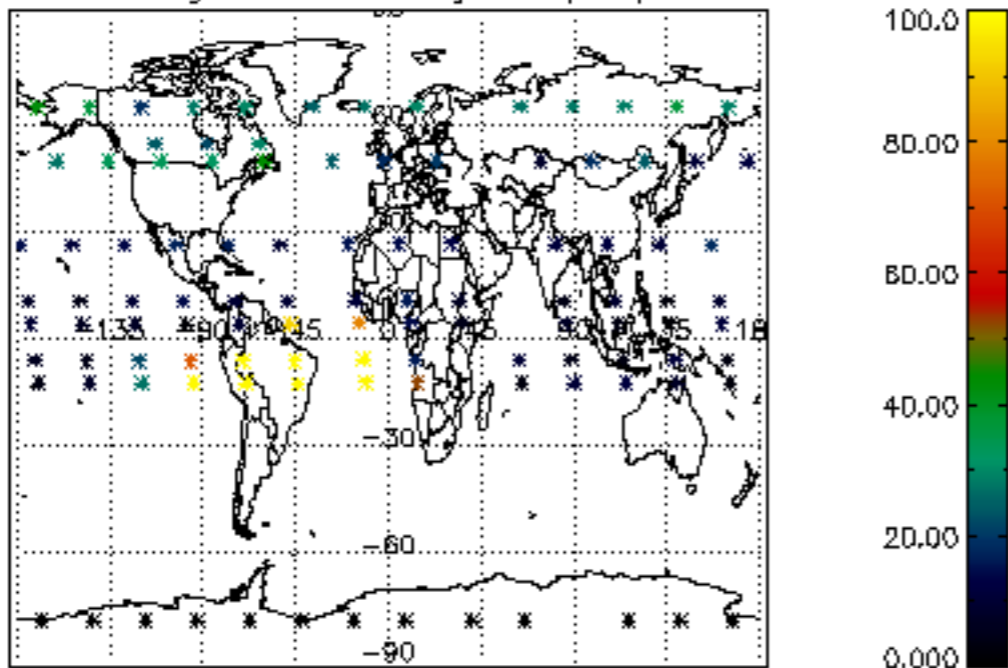
Percentage of flagged data per NO3 profile



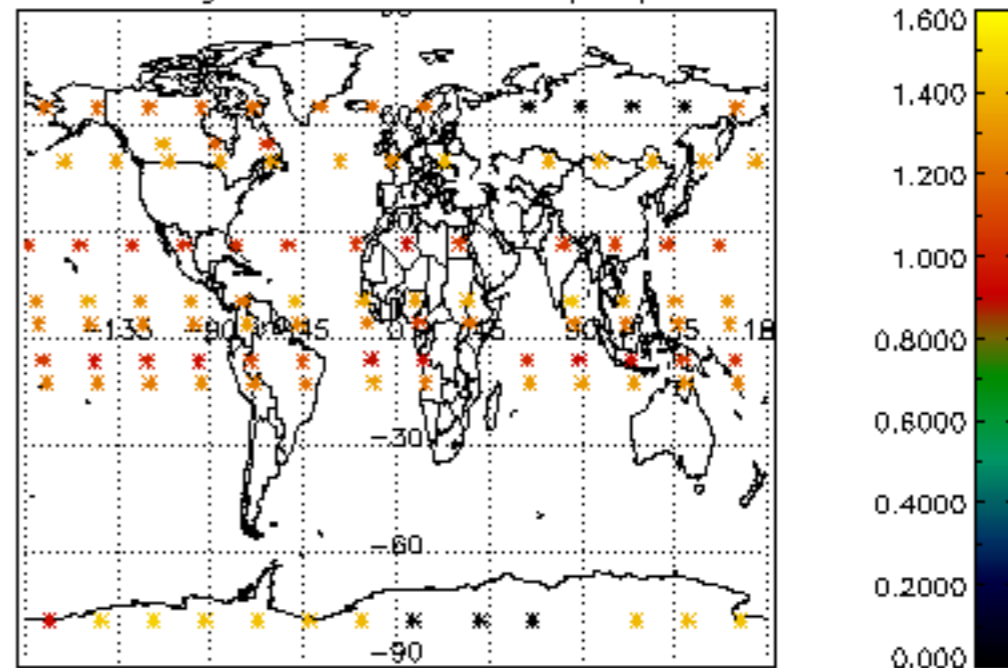




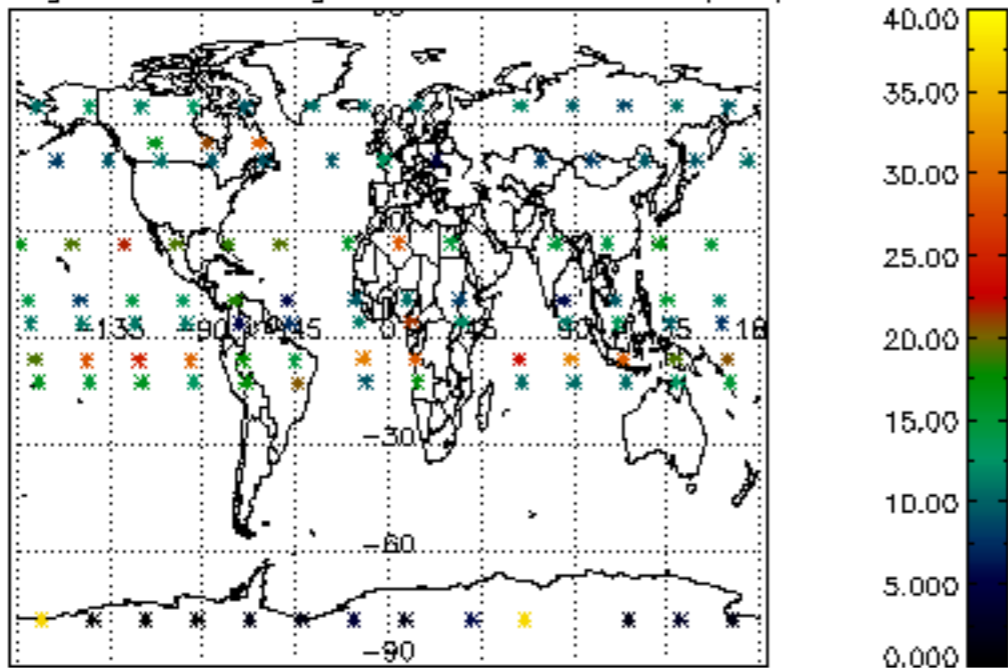
Percentage of cosmic ray hits per profile



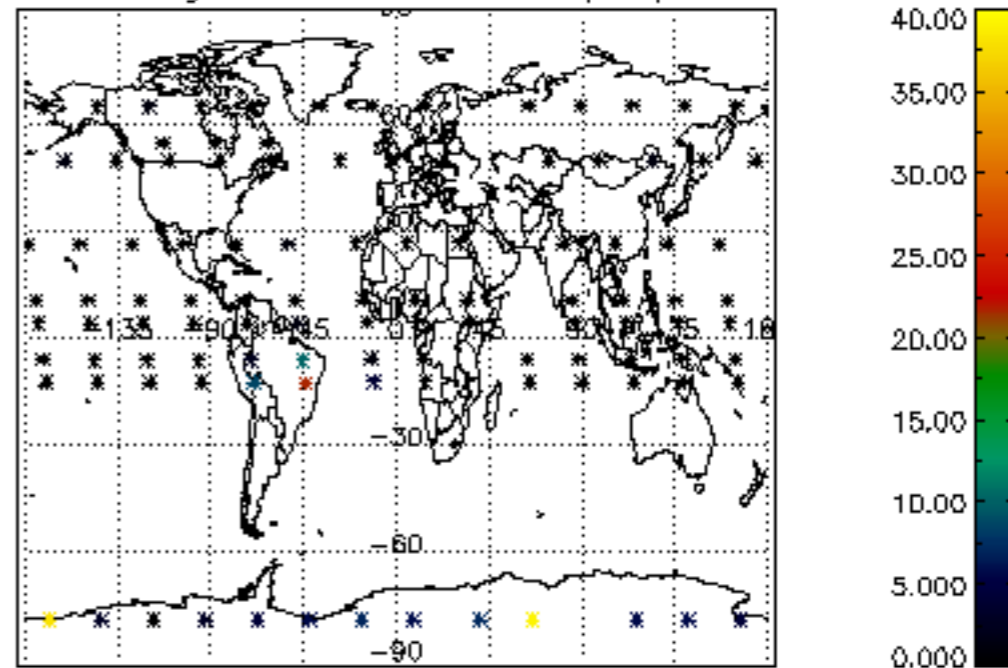
Percentage of datation errors per profile



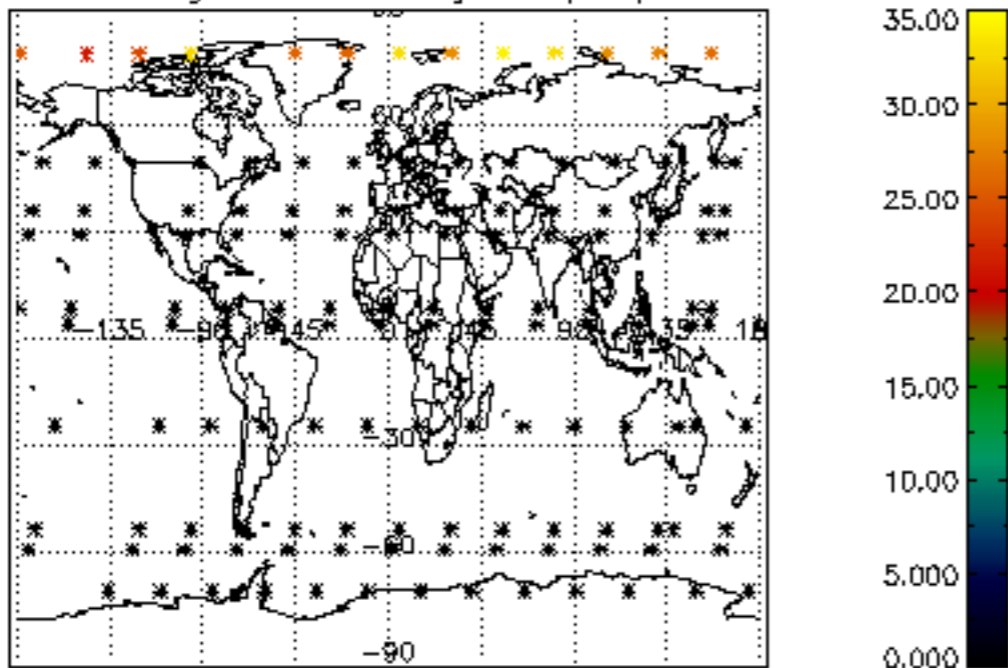
Percentage of star falling outside central band per profile



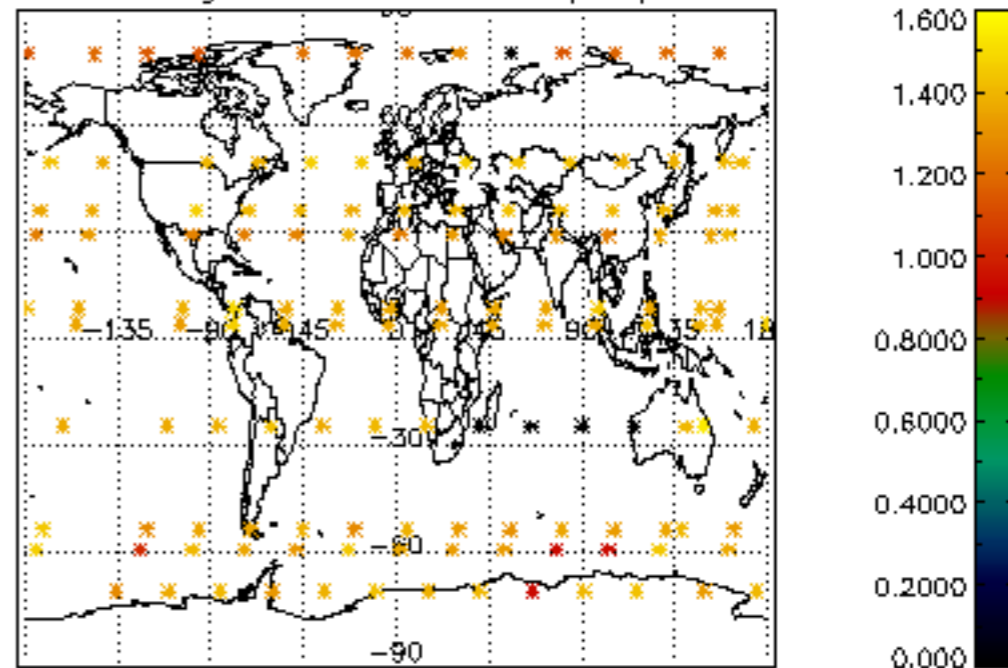
Percentage of saturation errors per profile



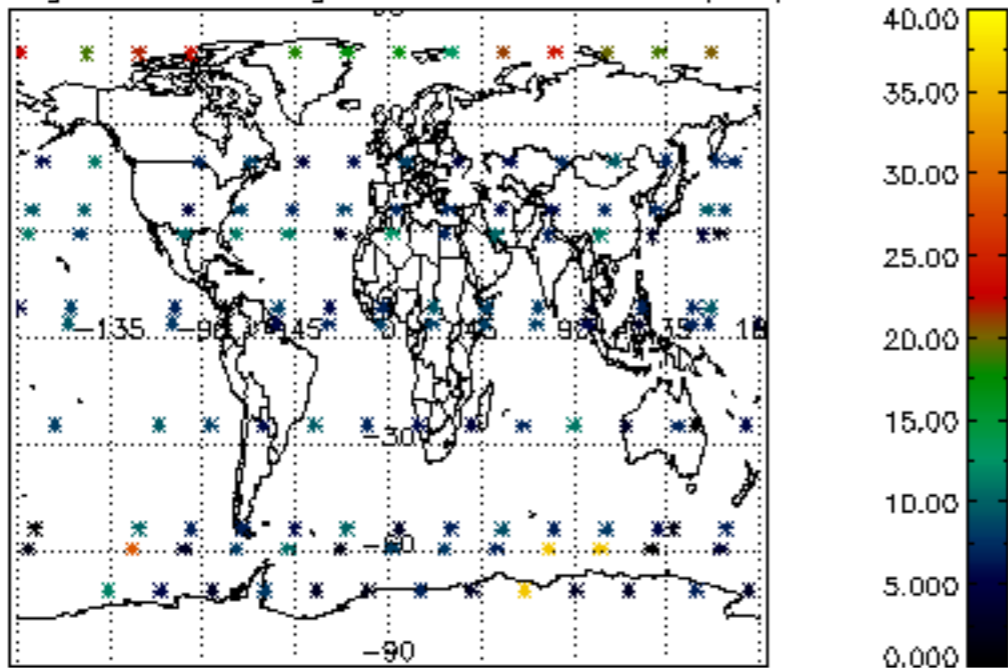
Percentage of cosmic ray hits per profile



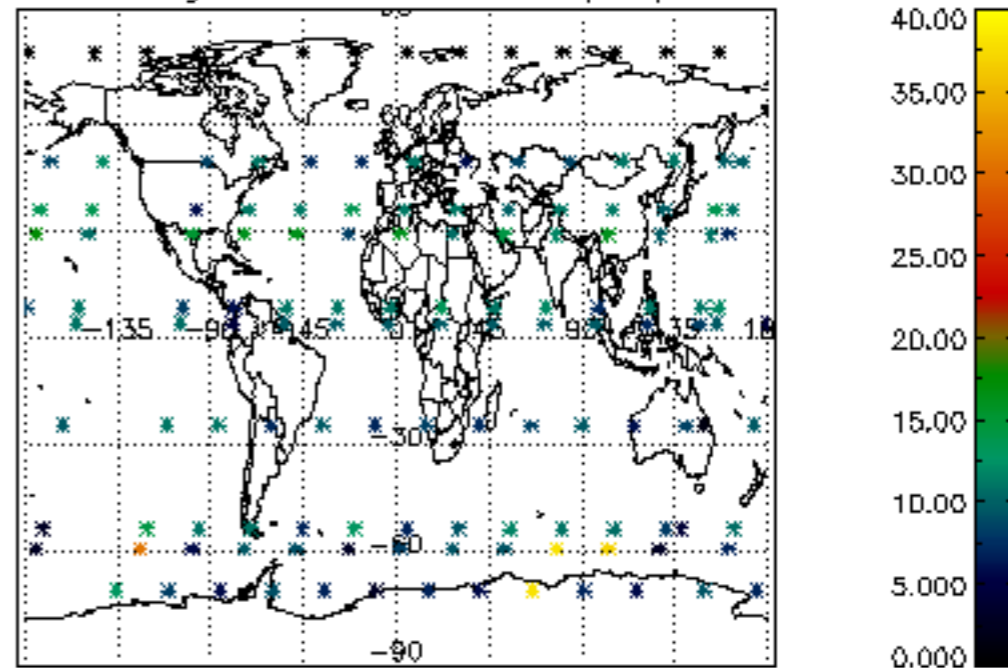
Percentage of datation errors per profile

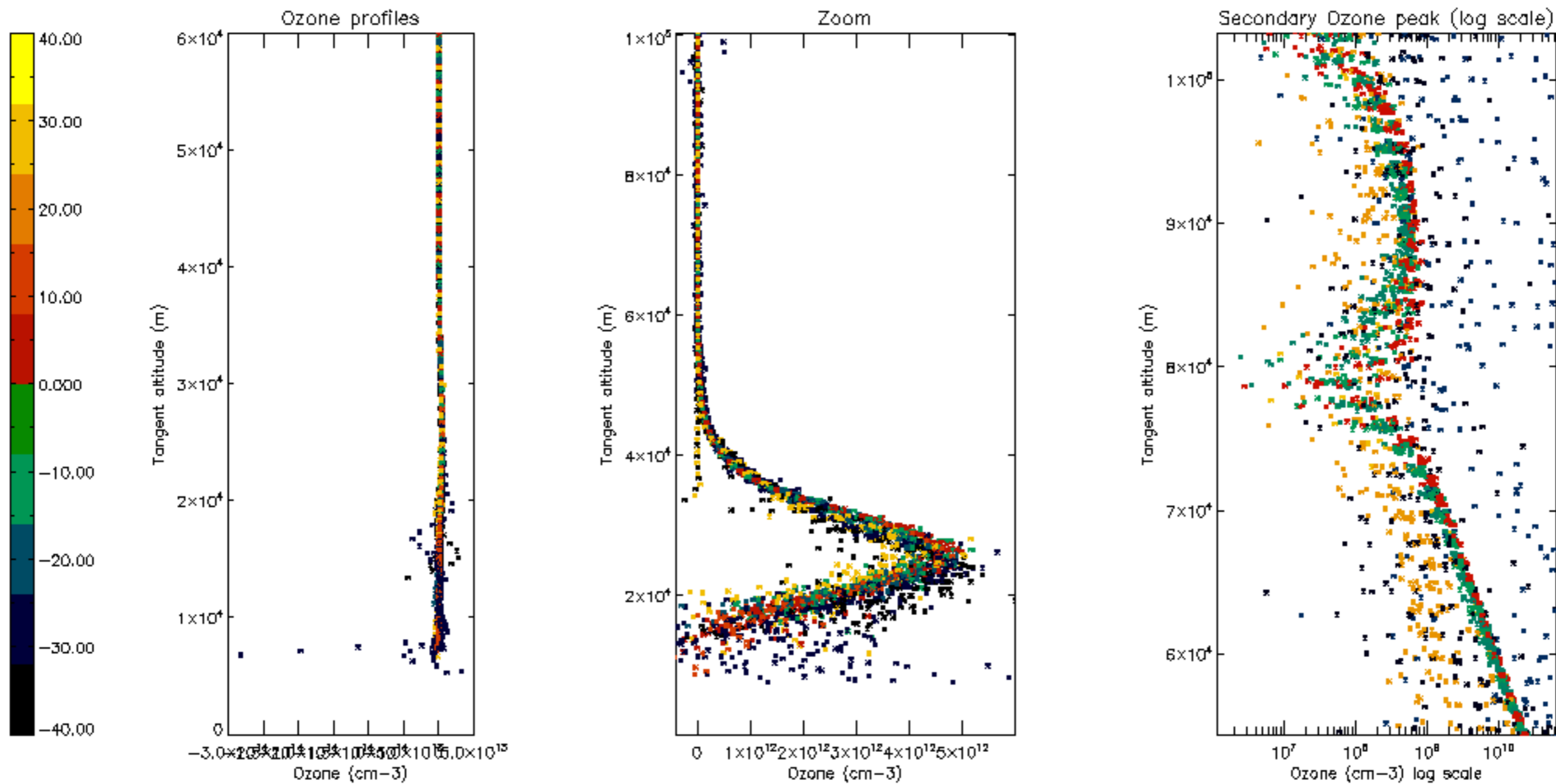


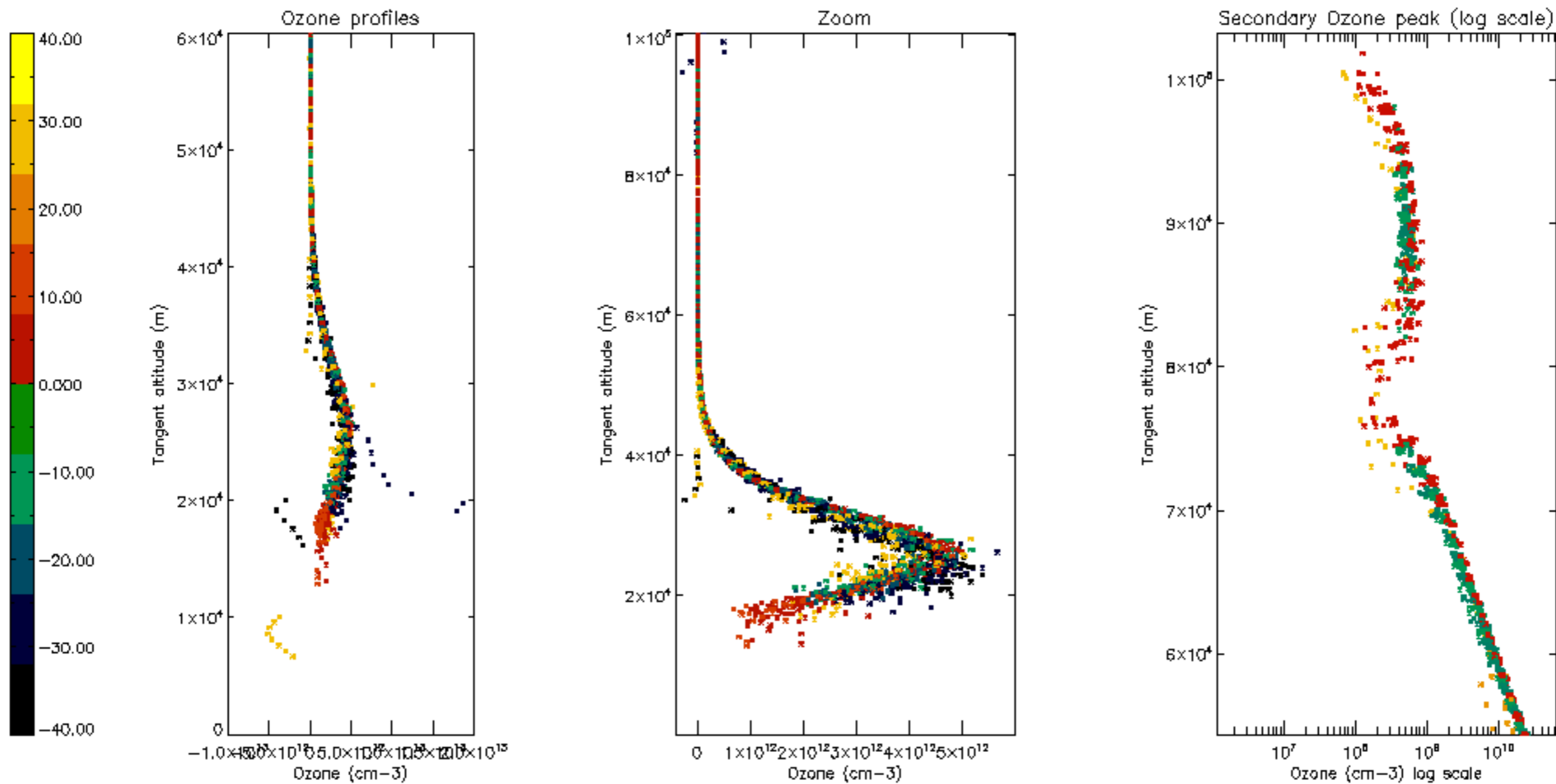
Percentage of star falling outside central band per profile

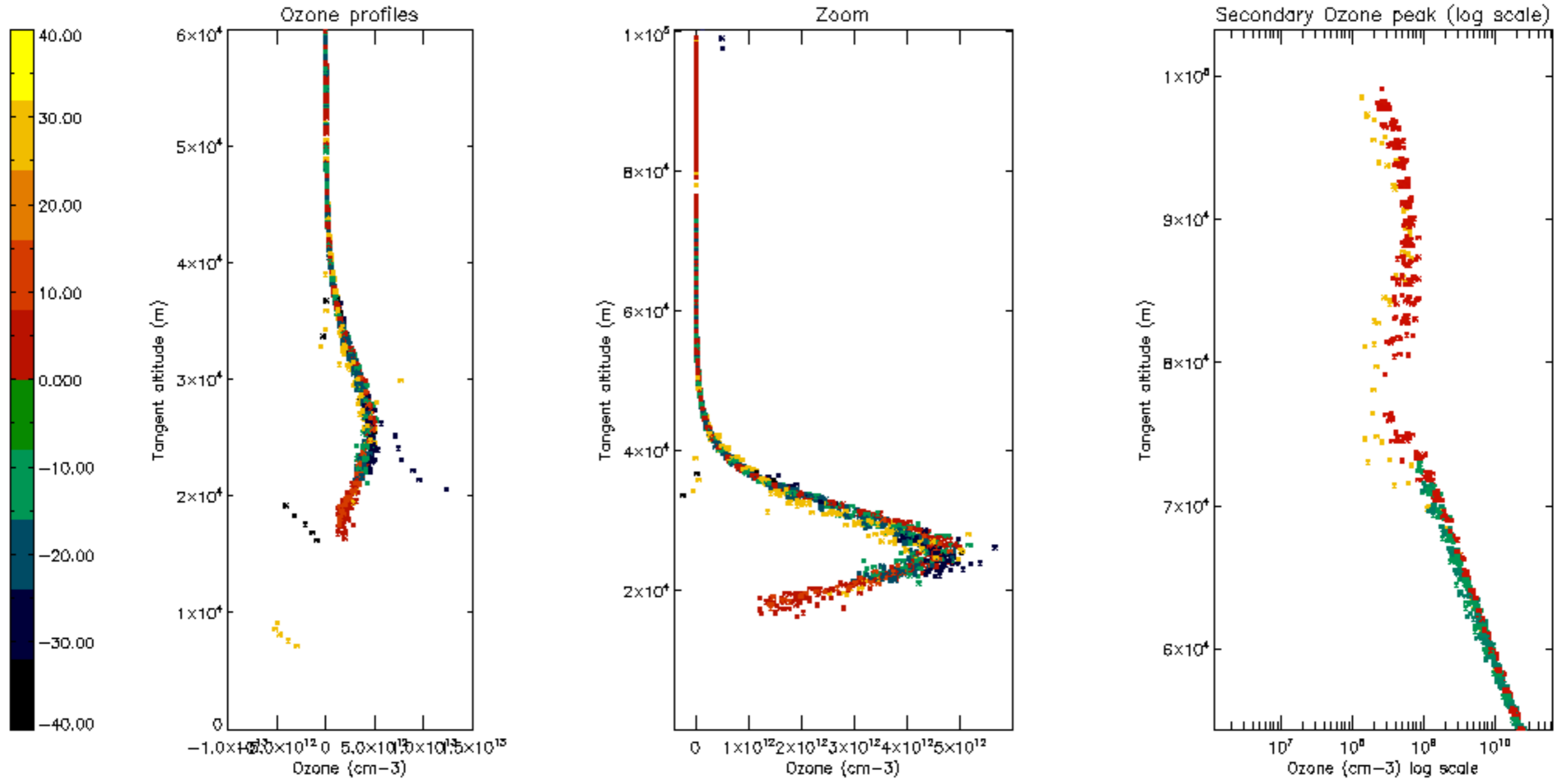


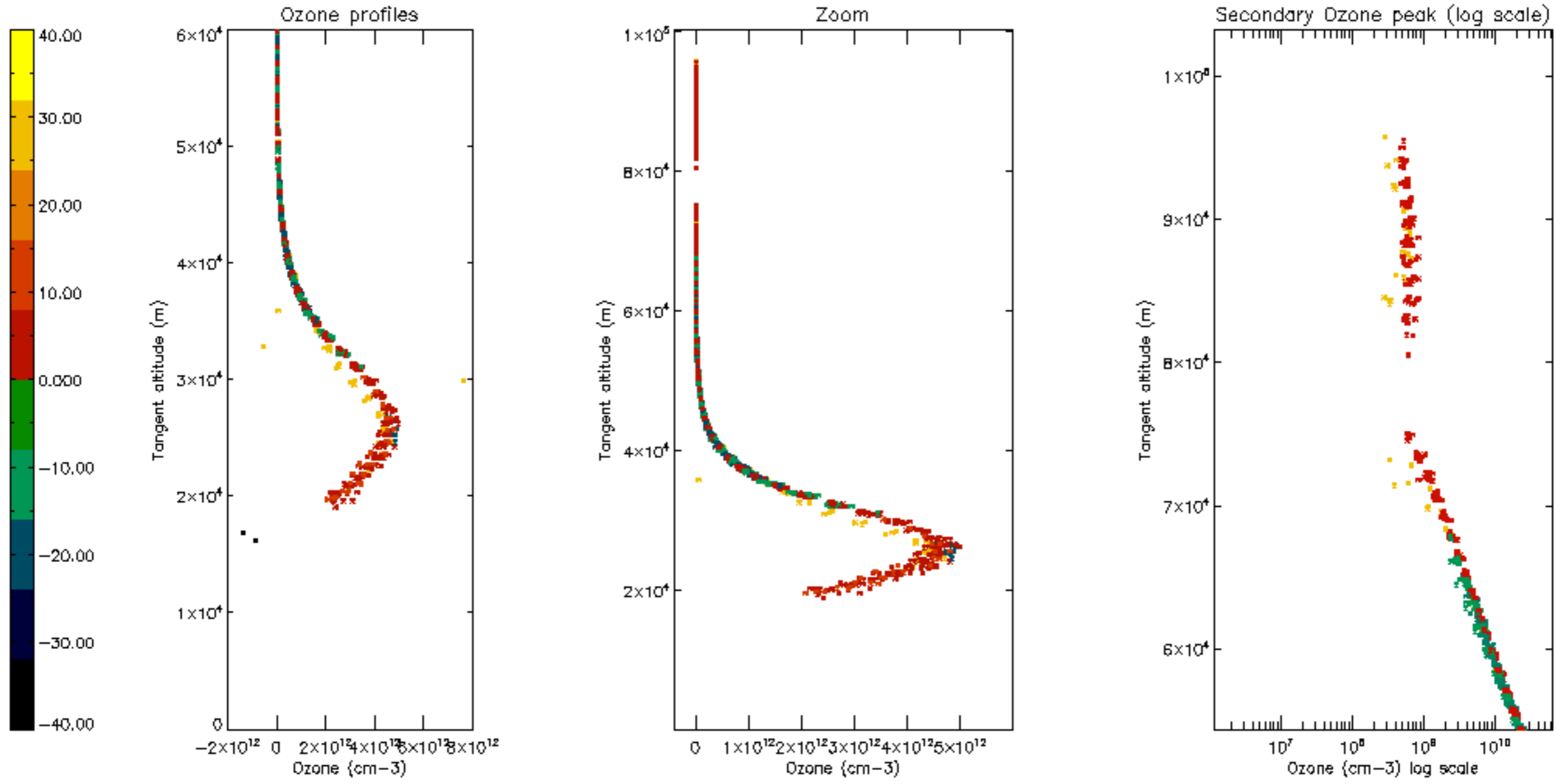
Percentage of saturation errors per profile

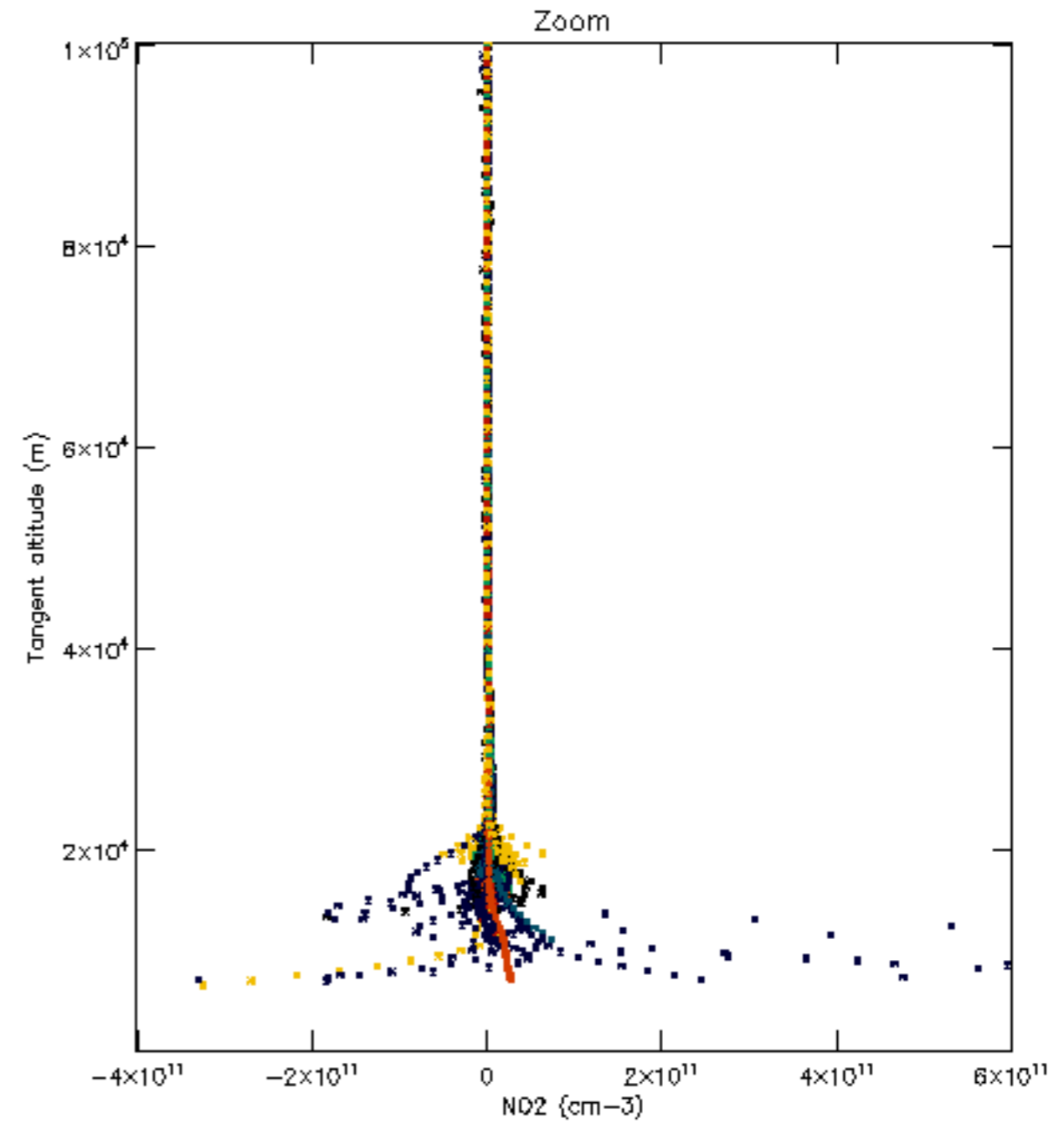
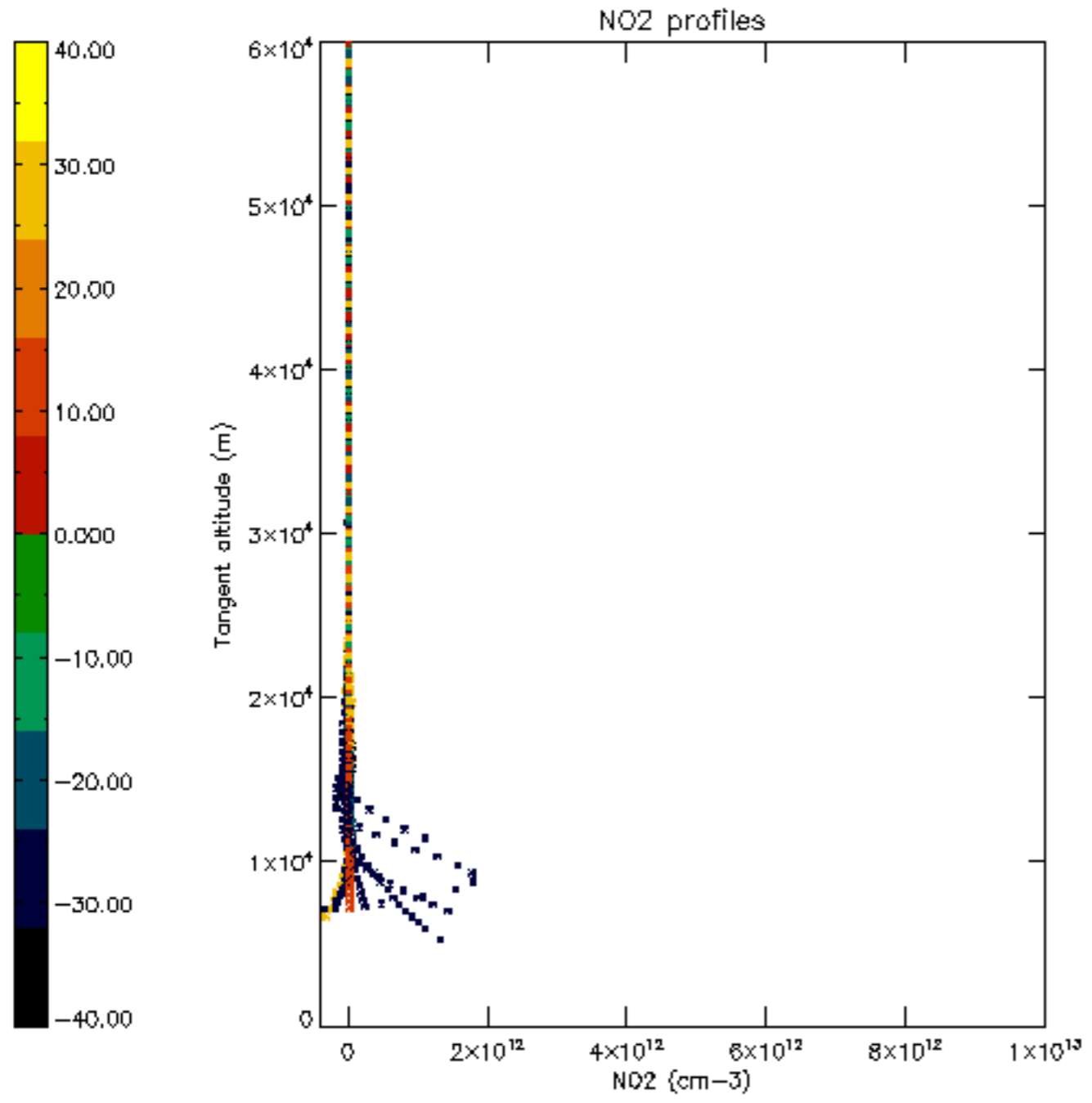


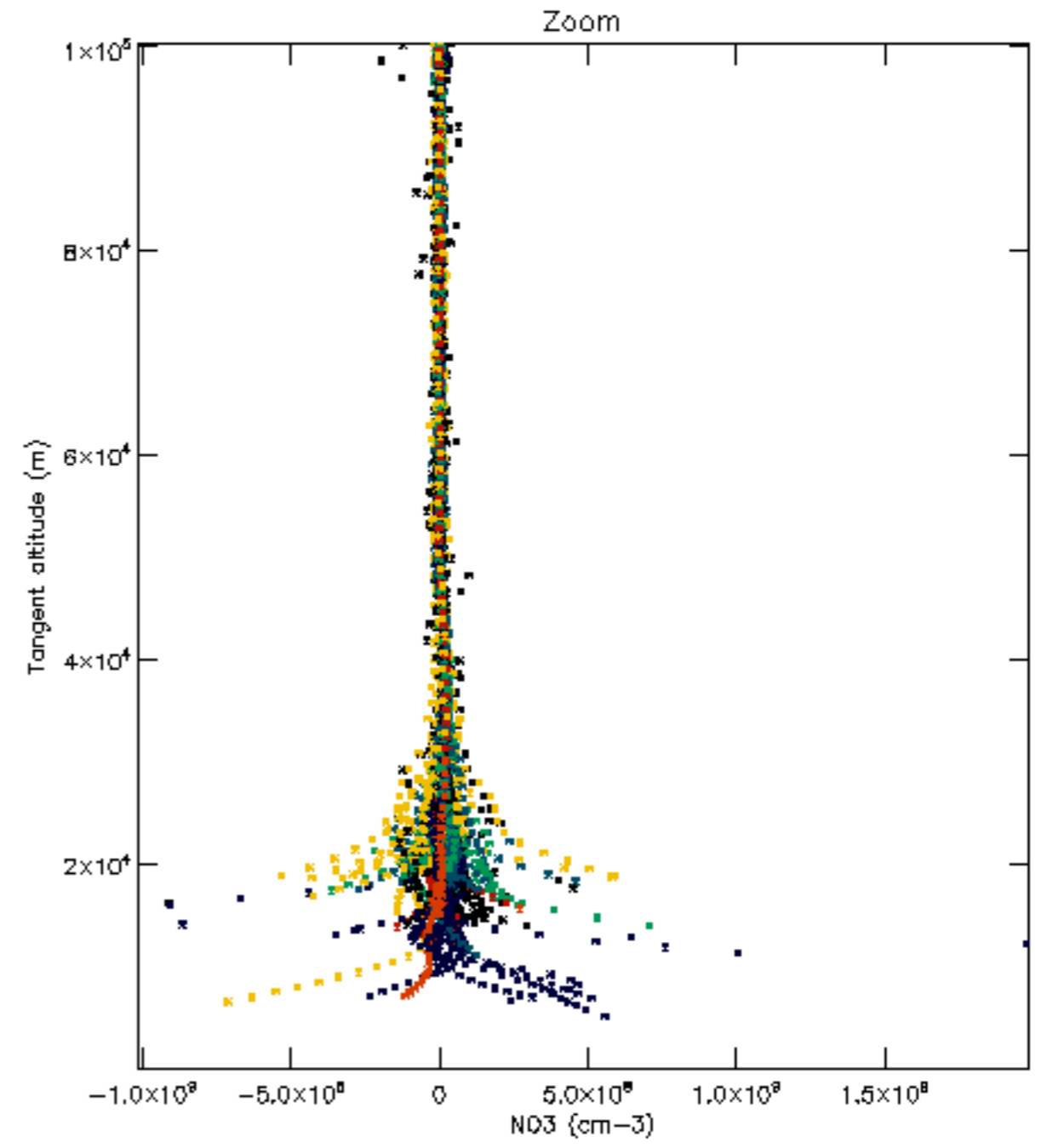
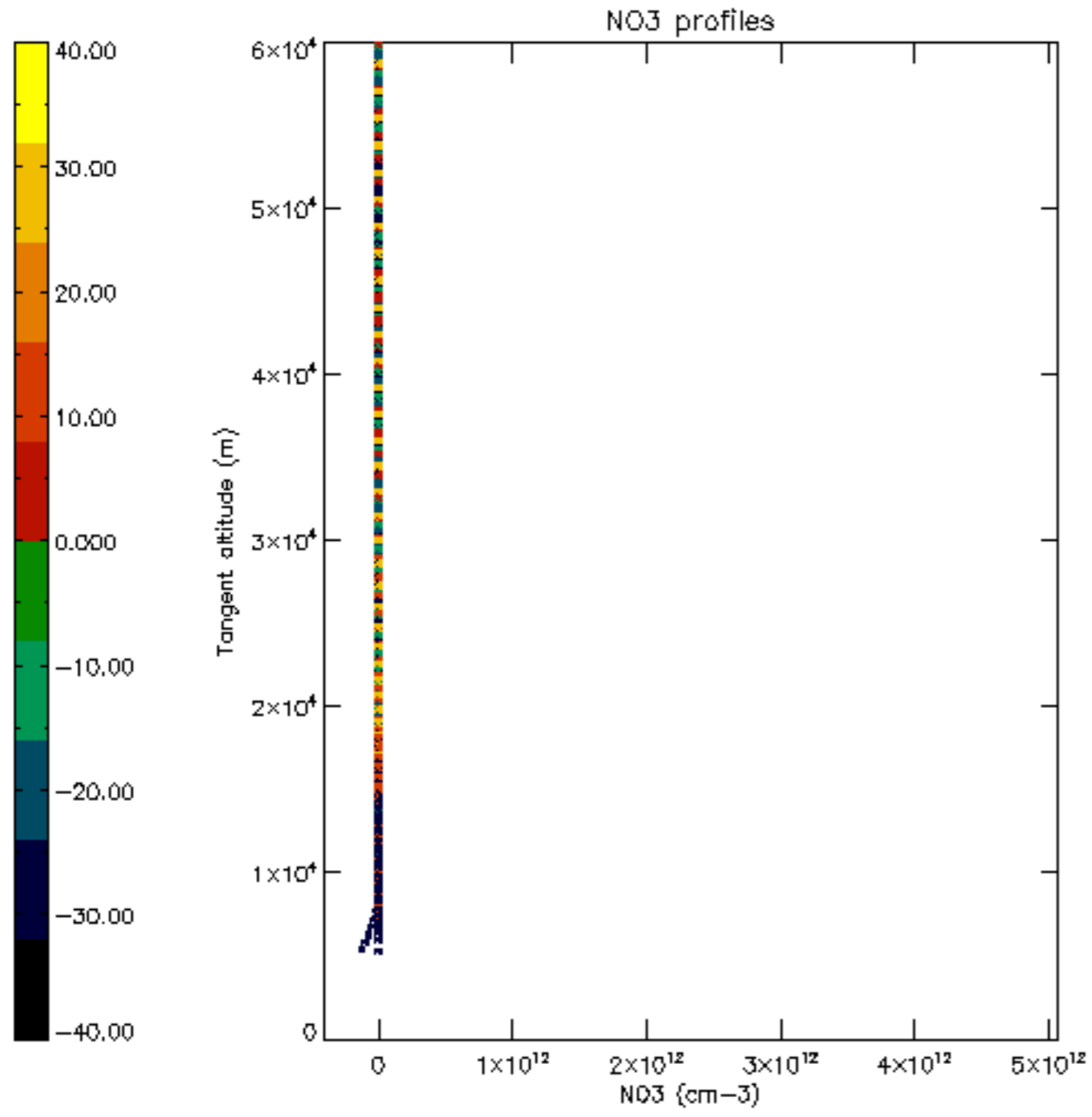


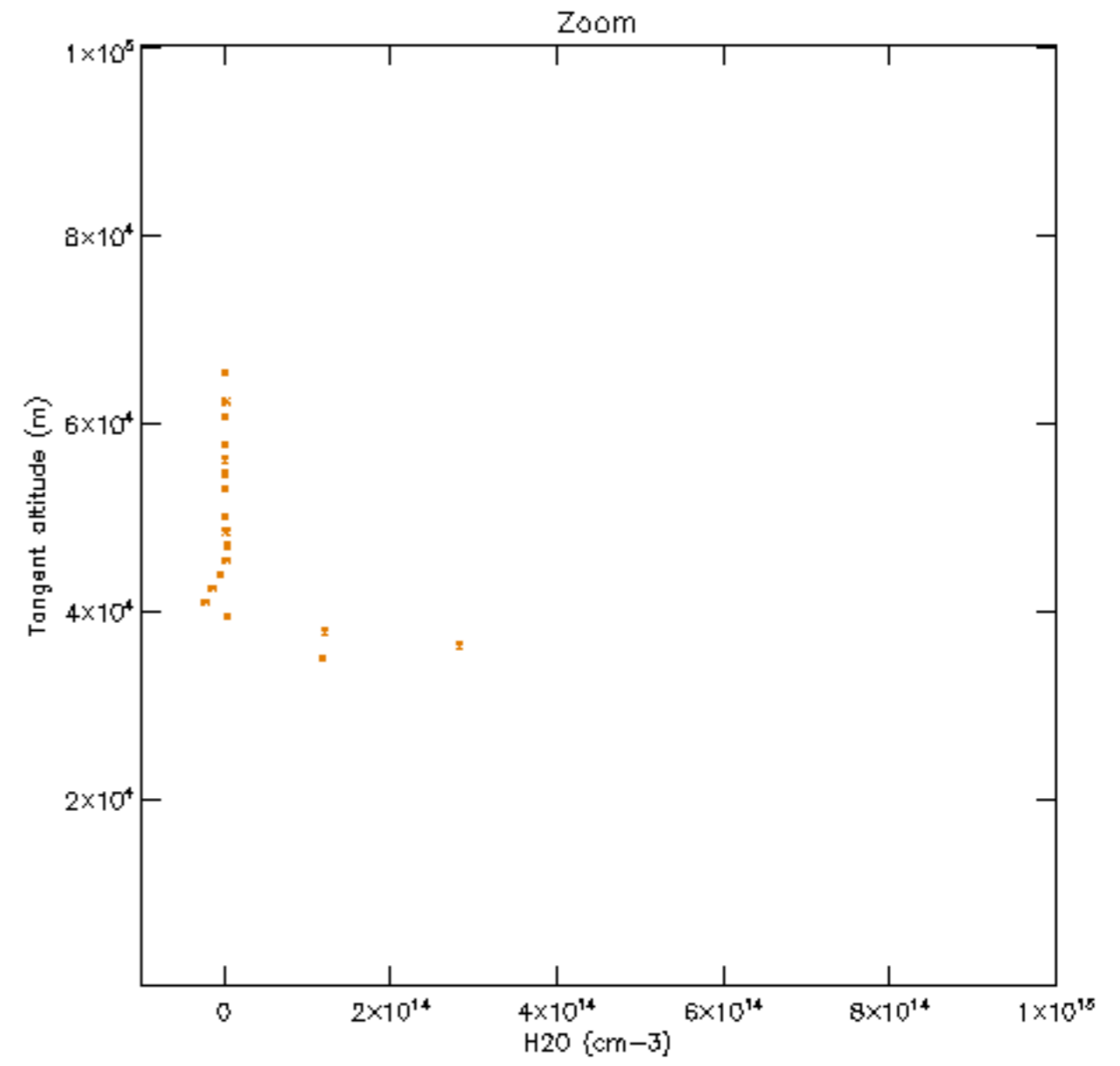
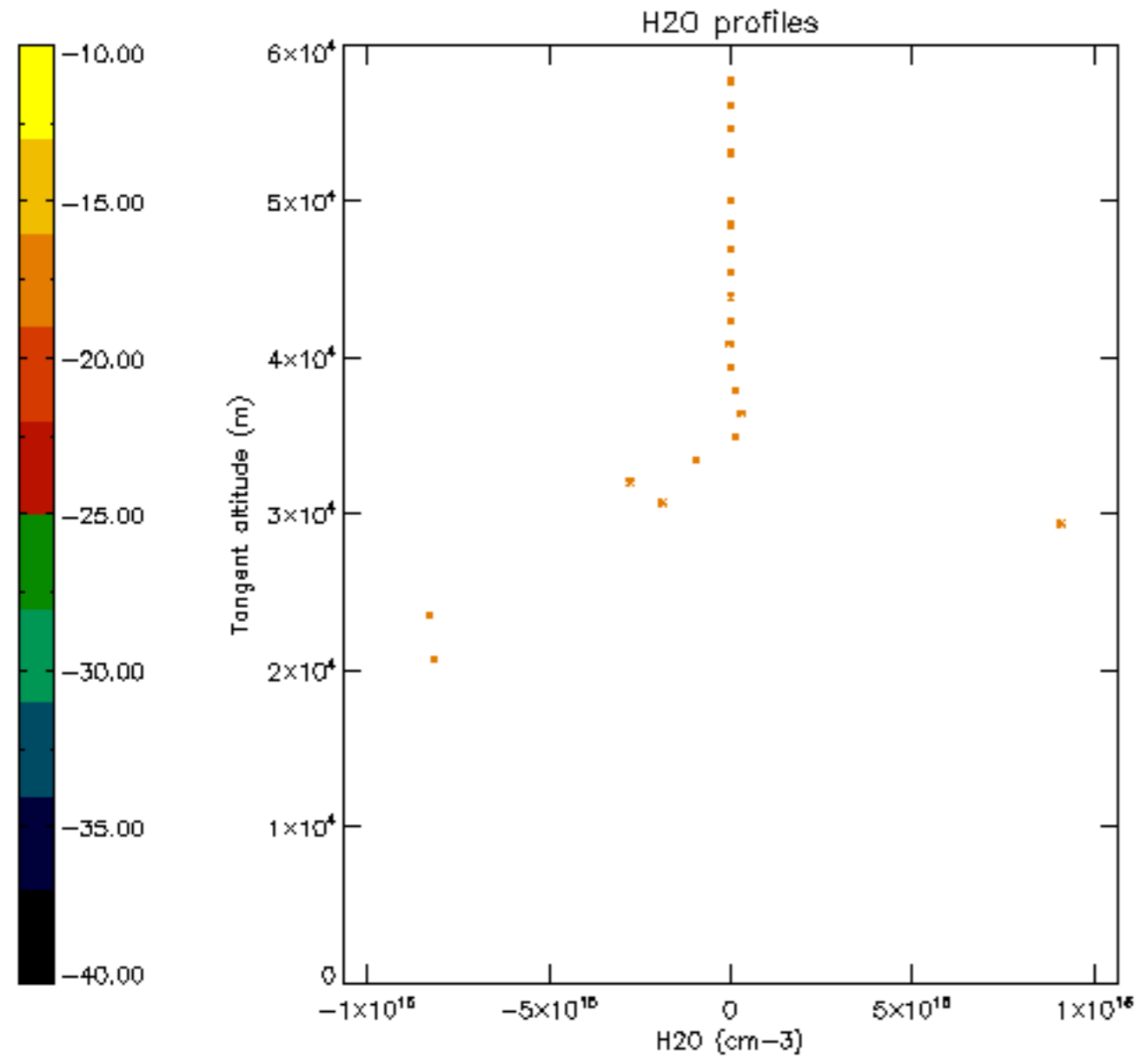


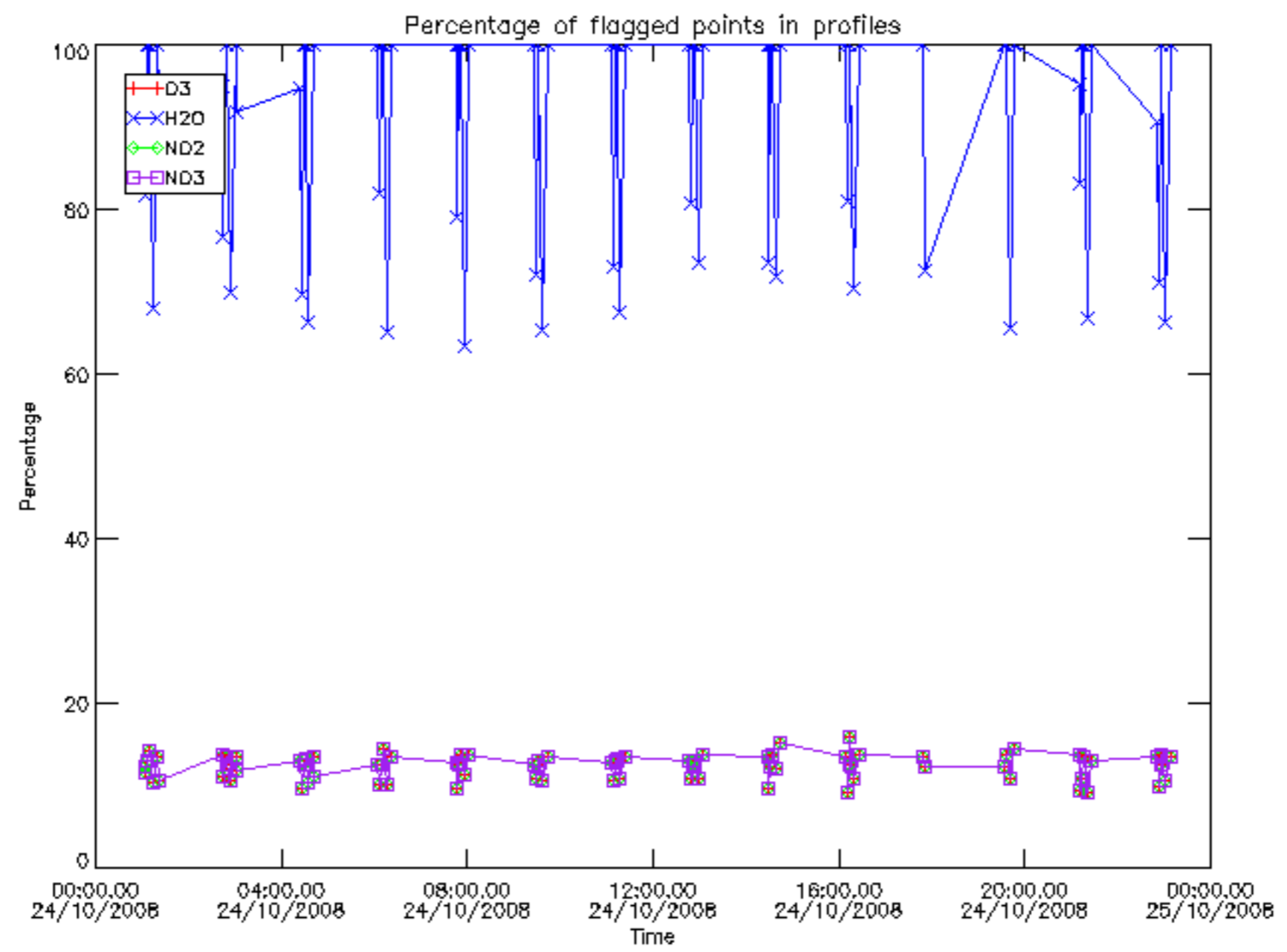




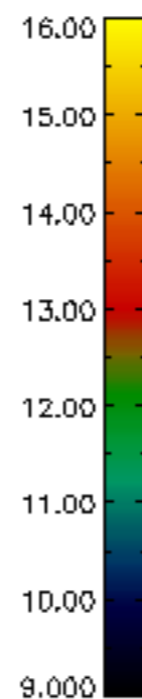
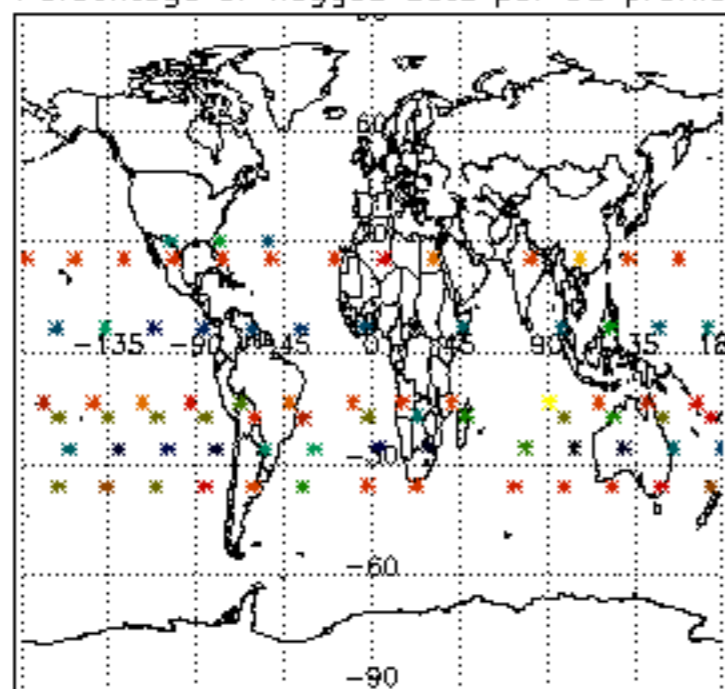




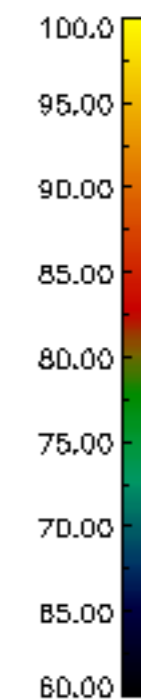
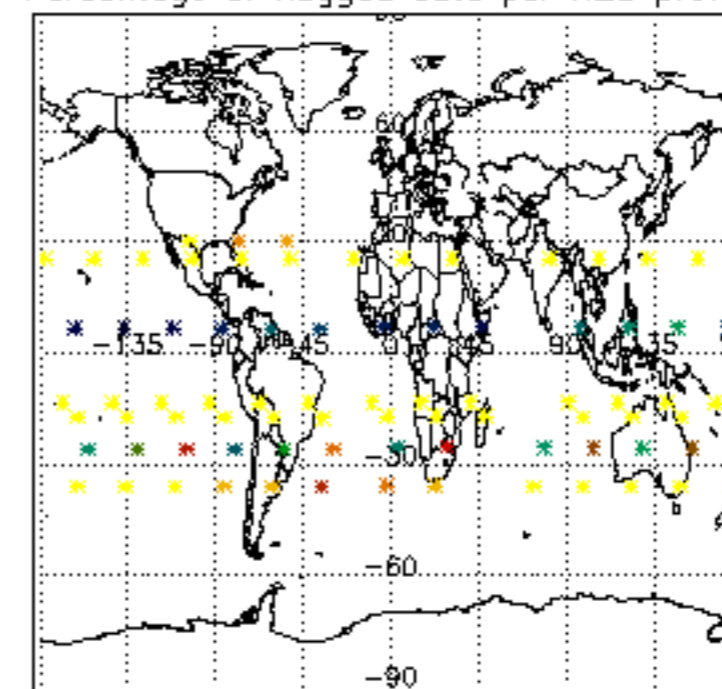




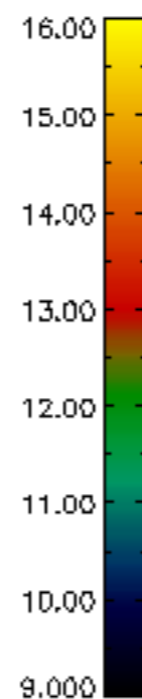
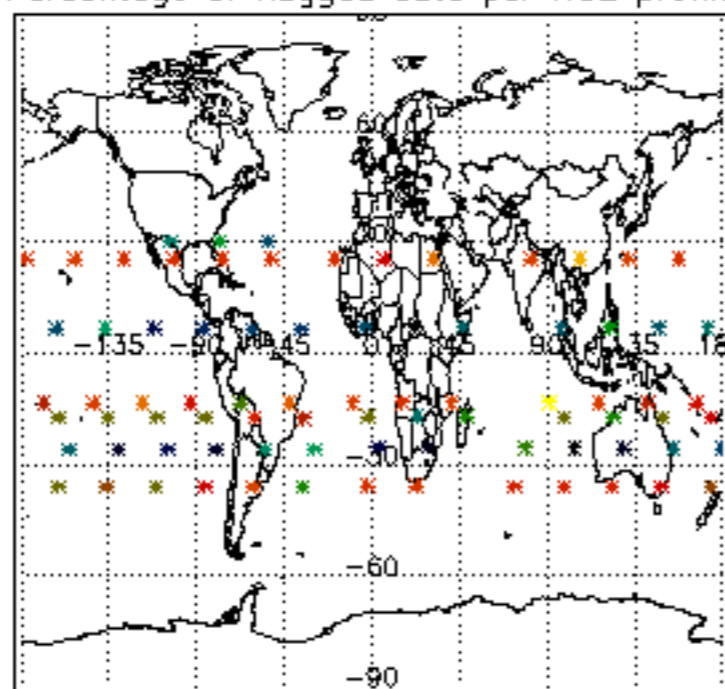
Percentage of flagged data per D3 profile



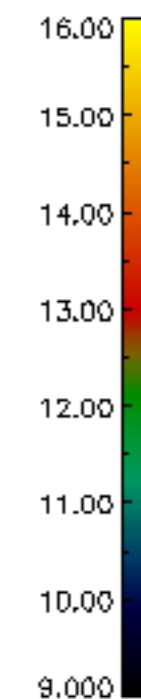
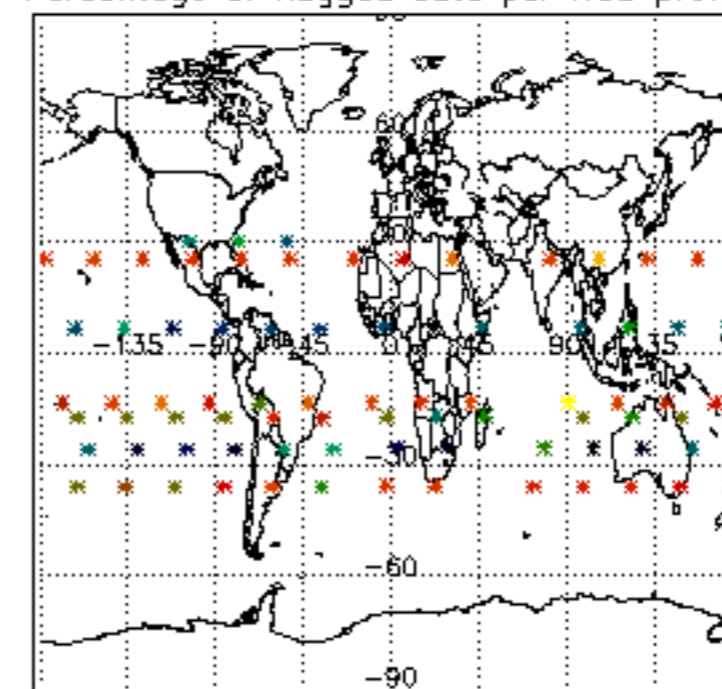
Percentage of flagged data per H2O profile

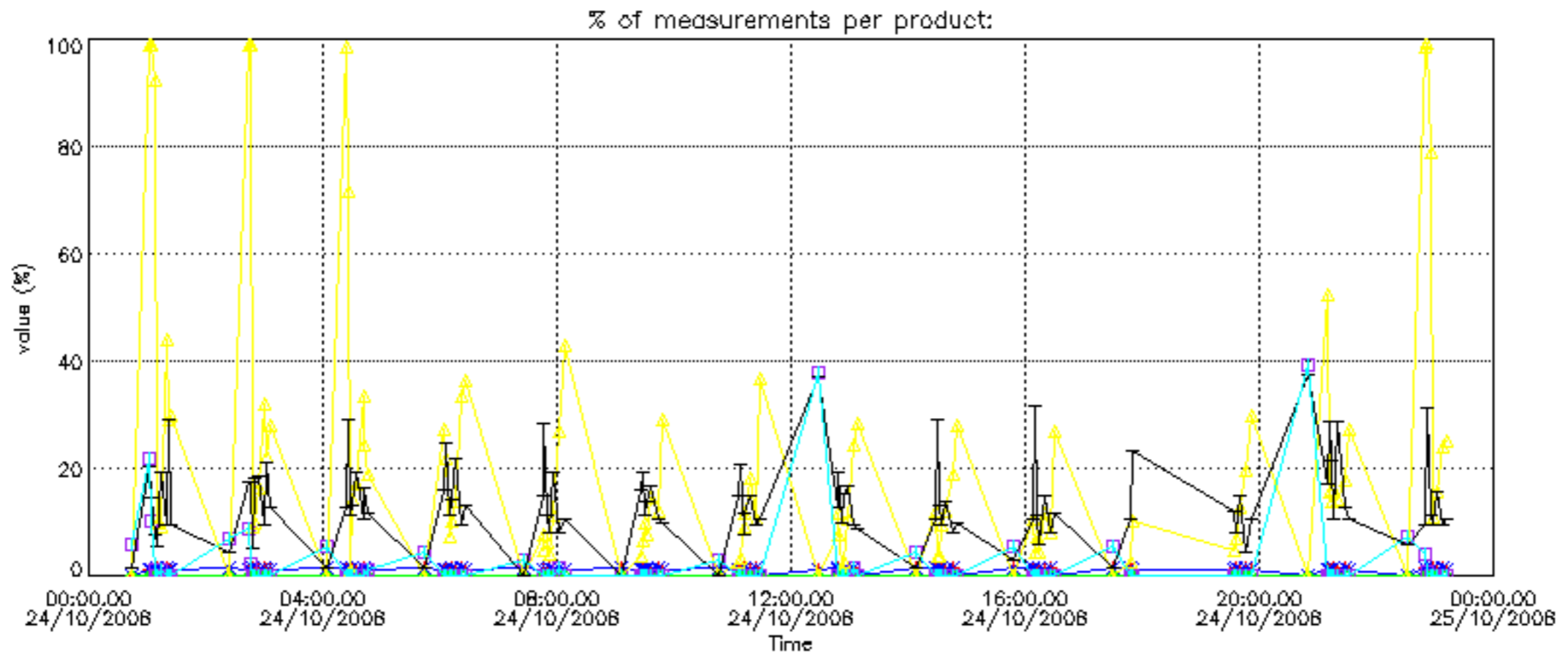


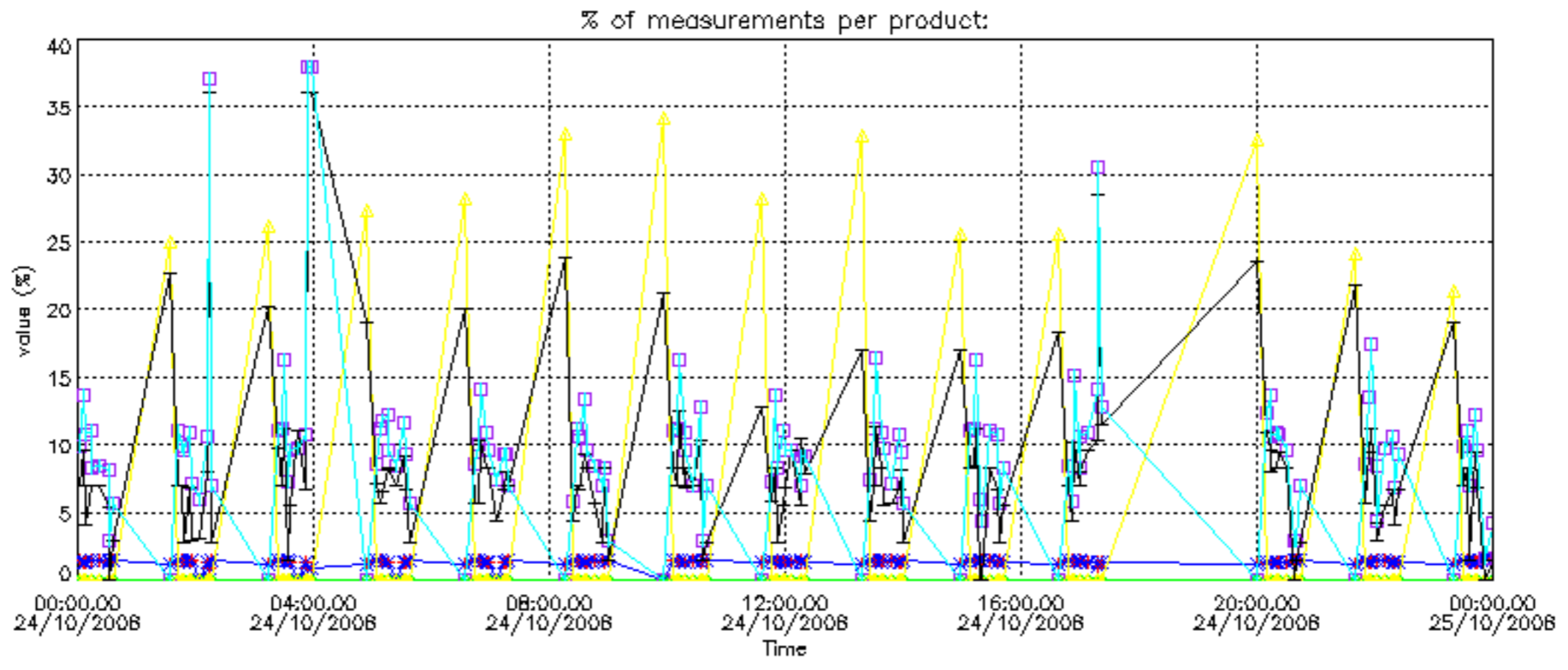
Percentage of flagged data per NO2 profile



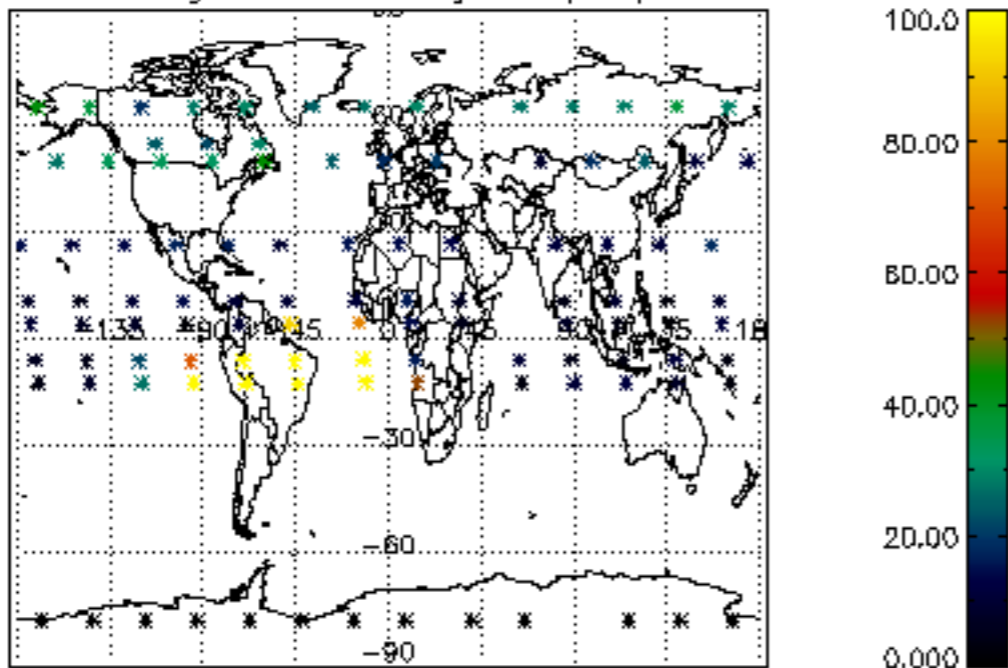
Percentage of flagged data per NO3 profile



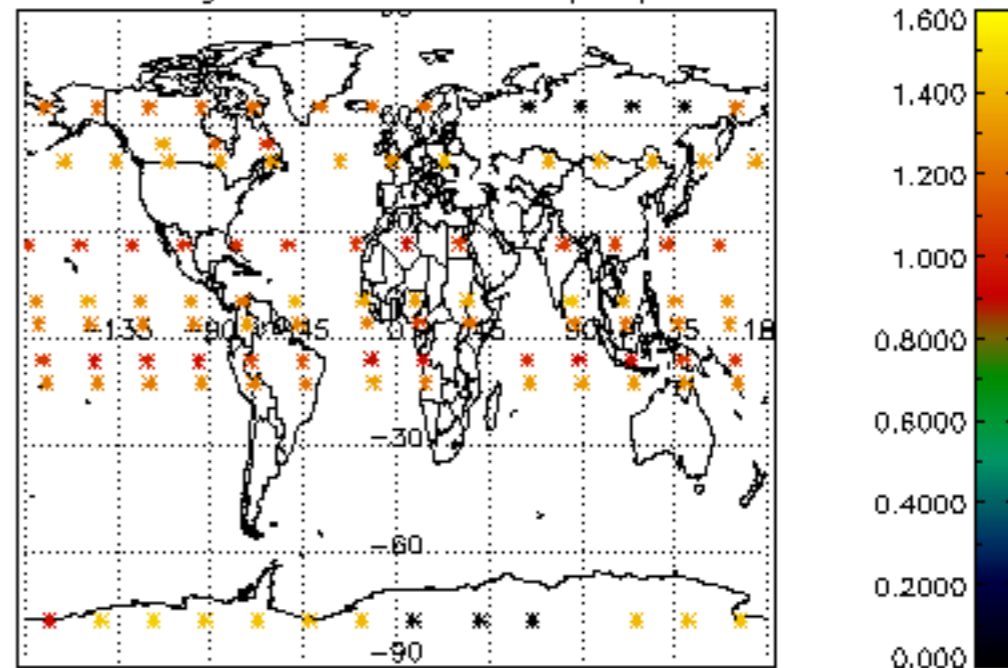




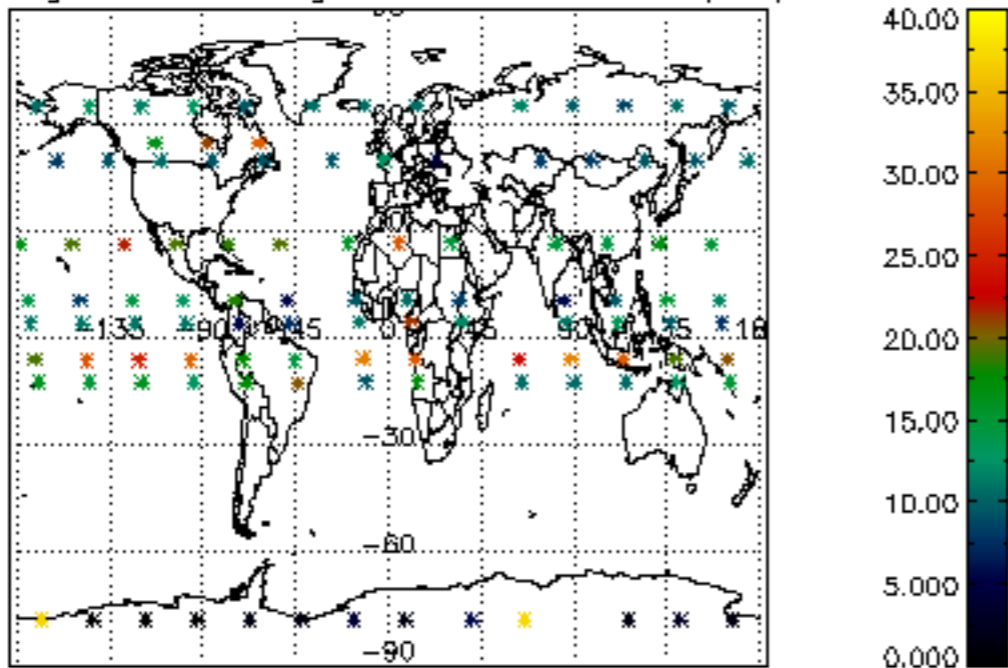
Percentage of cosmic ray hits per profile



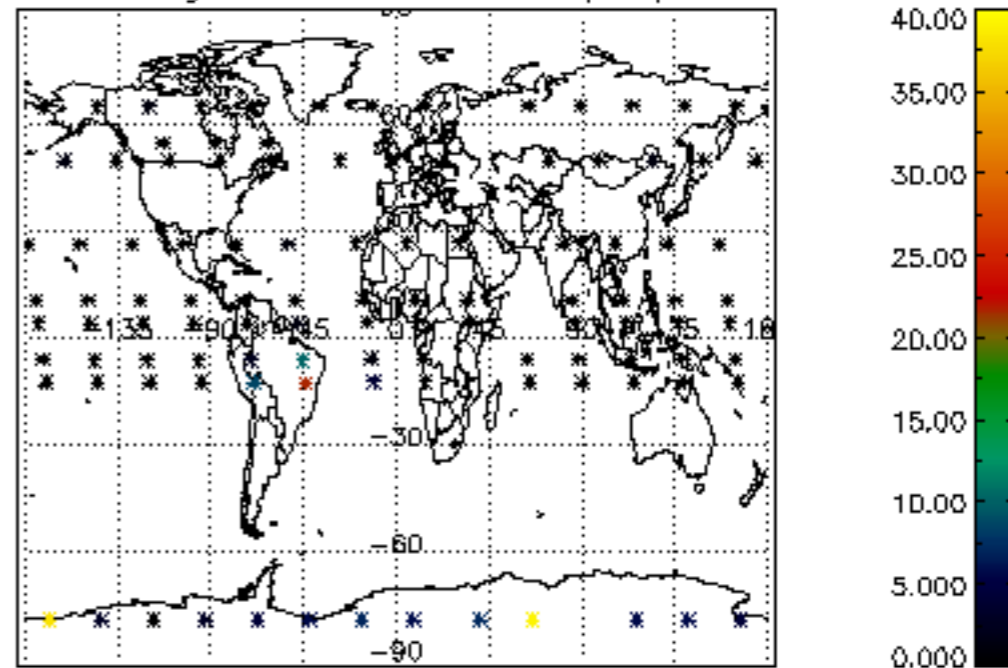
Percentage of datation errors per profile



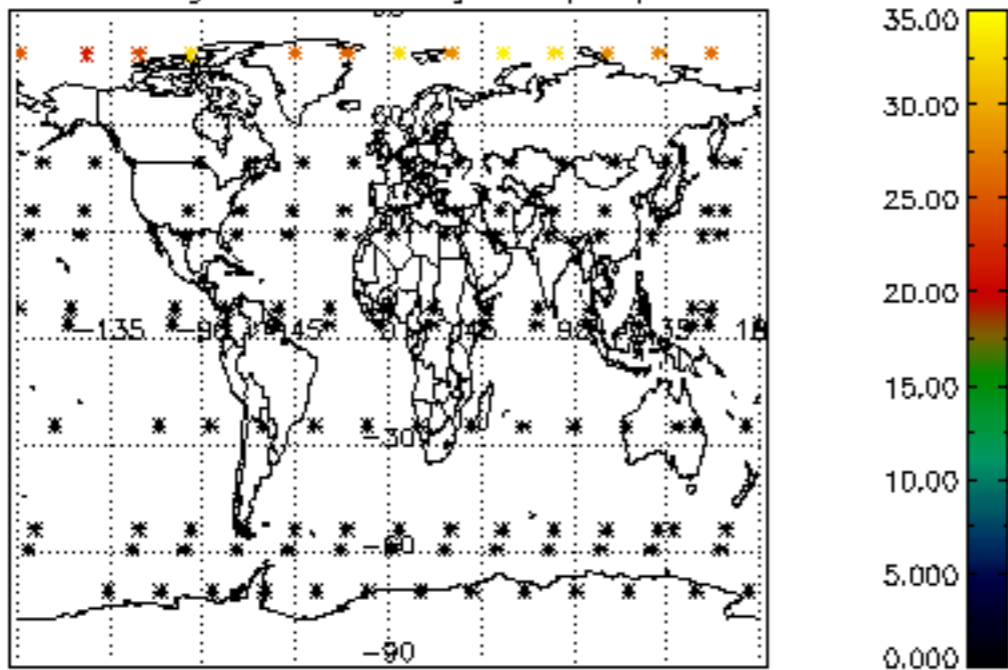
Percentage of star falling outside central band per profile



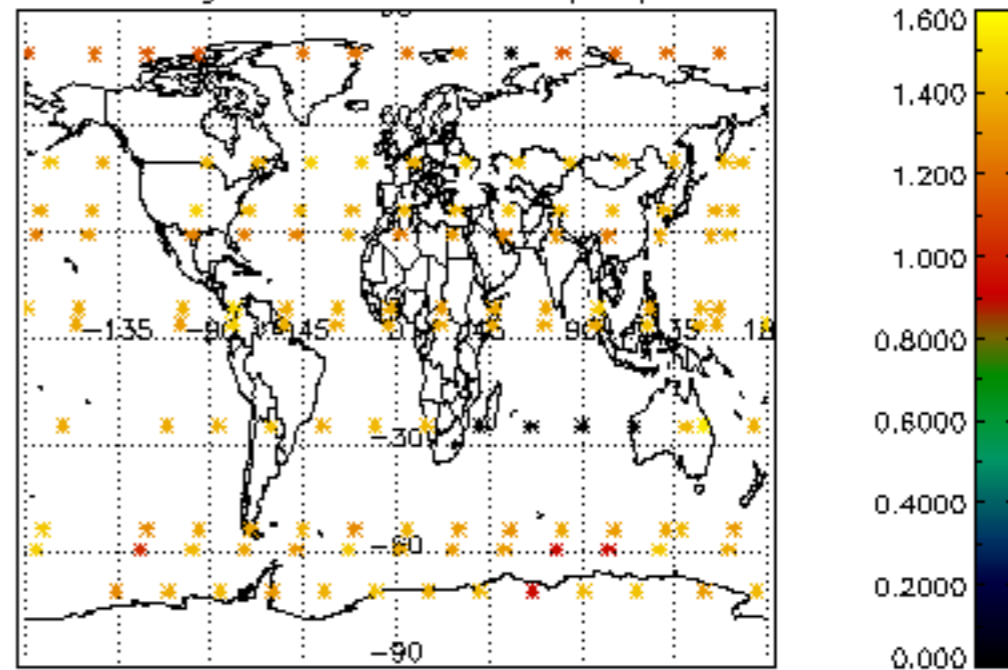
Percentage of saturation errors per profile



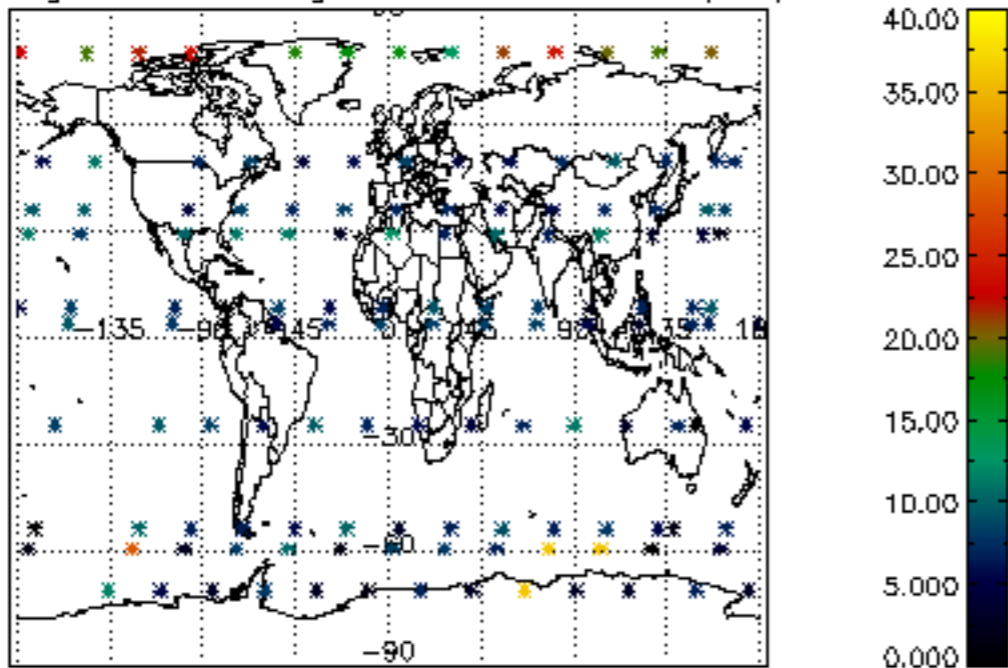
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

