

GOMOS Level 2 Daily Report

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This report presents the daily analysis on parameters extracted from GOMOS level 2 data (GOM_NL__2P). It is intended to monitor some important parameters that will impact the quality of these products. A list of level 2 products (and content) that have arrived during the reporting day to the PCF is also given.

Item	Value
Time of report generation	26APR2013 12:08:07
Data source version	GOMOS/6.01
Start time of products	24-08-2009 (24AUG2009 00:00:00)
Stop time of products	25-08-2009 (25AUG2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	237
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

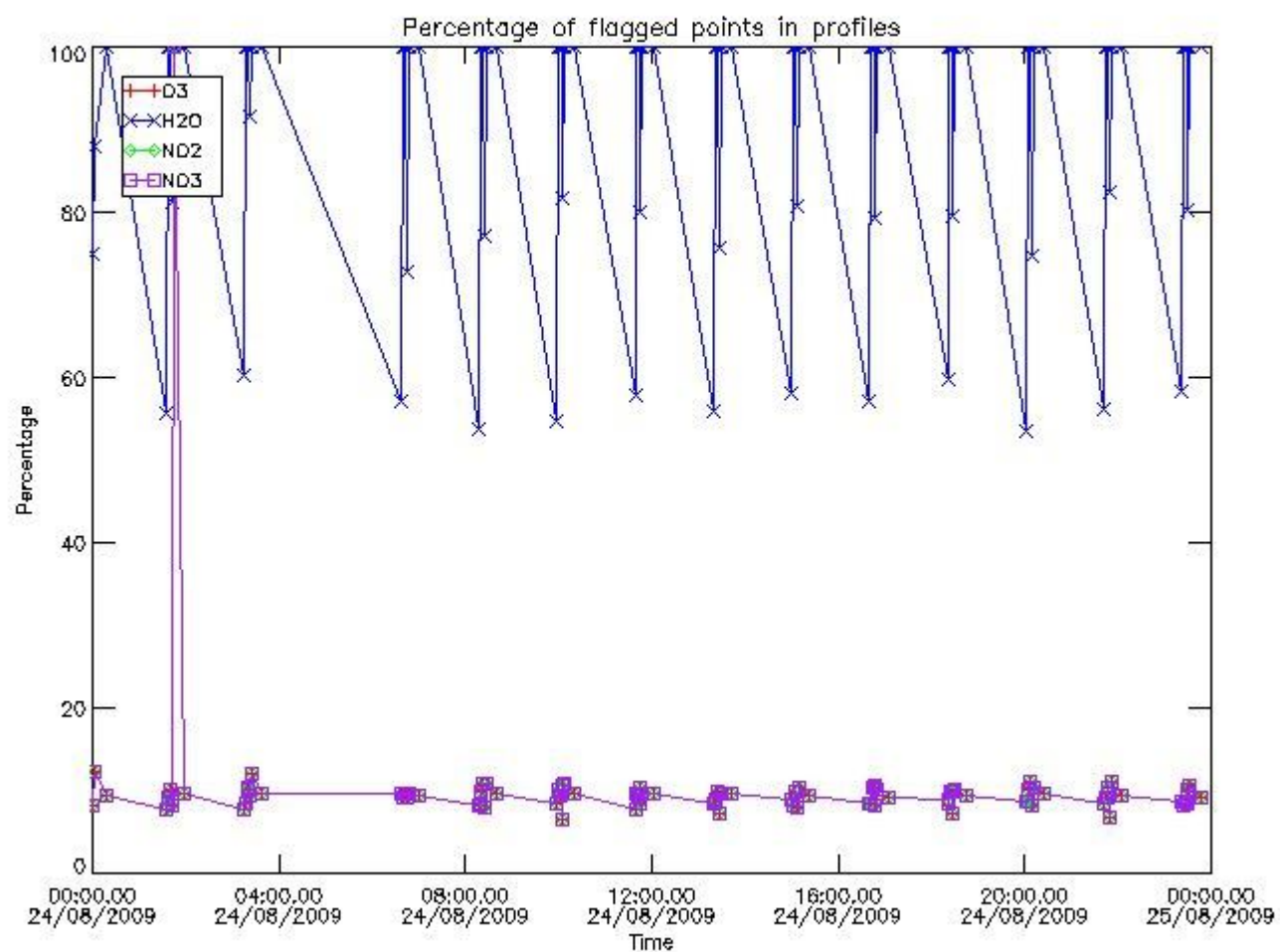
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20090824_000114_000000632081_00488_39119_0580.N1	24-AUG-2009 00:01:14	Dark	62.500	7	19Bet Ori	0.10000	14000.	125	39119	No
2	GOM_NL__2PRFIN20090824_000349_000000502081_00488_39119_0581.N1	24-AUG-2009 00:03:49	Dark	50.000	139	9Bet Lep	2.8330	5600.0	100	39119	No
3	GOM_NL__2PRFIN20090824_001728_000000552081_00489_39120_0583.N1	24-AUG-2009 00:17:28	Dark	54.500	157	The1Eri	2.9060	9300.0	109	39120	No
4	GOM_NL__2PRFIN20090824_002630_000000522081_00489_39120_0584.N1	24-AUG-2009 00:26:30	Straylight	52.000	84	Alp Phe	2.3970	4500.0	104	39120	No
5	GOM_NL__2PRFIN20090824_003316_000000512081_00489_39120_0585.N1	24-AUG-2009 00:33:16	Straylight	51.000	18	24Alp PsA	1.1660	9700.0	102	39120	No
6	GOM_NL__2PRFIN20090824_004325_000000612081_00489_39120_0586.N1	24-AUG-2009 00:43:25	Bright	61.000	162	34Alp Aqr	2.9440	5350.0	122	39120	No
7	GOM_NL__2PRFIN20090824_004629_000000432081_00489_39120_0587.N1	24-AUG-2009 00:46:29	Bright	42.500	61	8Eps Peg	2.1000	3900.0	85	39120	No
8	GOM_NL__2PRFIN20090824_005433_000000472081_00489_39120_0588.N1	24-AUG-2009 00:54:33	Bright	46.500	164	44Eta Peg	2.9480	5400.0	93	39120	No
9	GOM_NL__2PRFIN20090824_010523_000000422081_00489_39120_0589.N1	24-AUG-2009 01:05:23	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	39120	No
10	GOM_NL__2PRFIN20090824_010736_000000462081_00489_39120_0590.N1	24-AUG-2009 01:07:36	Bright	45.500	76	27Gam Cas	2.3000	30000.	91	39120	No
11	GOM_NL__2PRFIN20090824_012121_000000542081_00489_39120_0591.N1	24-AUG-2009 01:21:21	Bright	53.500	6	13Alp Aur	0.080000	3400.0	107	39120	No
12	GOM_NL__2PRFIN20090824_012436_000000422081_00489_39120_0592.N1	24-AUG-2009 01:24:36	Bright	41.500	107	37The Aur	2.6490	11000.	83	39120	No
13	GOM_NL__2PRFIN20090824_012915_000000502081_00489_39120_0593.N1	24-AUG-2009 01:29:15	Twilight	50.000	151	13Mu Gem	2.8900	3000.0	100	39120	No
14	GOM_NL__2PRFIN20090824_013054_000000472081_00489_39120_0594.N1	24-AUG-2009 01:30:54	Twilight	47.000	44	24Gam Gem	1.9280	11000.	94	39120	No
15	GOM_NL__2PRFIN20090824_013451_000000662081_00489_39120_0595.N1	24-AUG-2009 01:34:51	Dark	66.000	14	58Alp Ori	0.87000	3000.0	132	39120	No
16	GOM_NL__2PRFIN20090824_013629_000000602081_00489_39120_0596.N1	24-AUG-2009 01:36:29	Dark	60.000	27	24Gam Ori	1.6360	26000.	120	39120	No
17	GOM_NL__2PRFIN20090824_013826_000000562081_00489_39120_0597.N1	24-AUG-2009 01:38:26	Dark	55.500	30	46Eps Ori	1.6940	30000.	111	39120	No
18	GOM_NL__2PRFIN20090824_014025_000000512081_00489_39120_0598.N1	24-AUG-2009 01:40:25	Dark	50.500	56	53Kap Ori	2.0650	30000.	101	39120	No
19	GOM_NL__2PRFIN20090824_014151_000000622081_00489_39120_0599.N1	24-AUG-2009 01:41:51	Dark	62.000	7	19Bet Ori	0.10000	14000.	124	39120	No
20	GOM_NL__2PRFIN20090824_014426_000000522081_00489_39120_0600.N1	24-AUG-2009 01:44:26	Dark	52.000	139	9Bet Lep	2.8330	5600.0	104	39120	No
21	GOM_NL__2PRFIN20090824_015806_000000532081_00490_39121_0607.N1	24-AUG-2009 01:58:06	Dark	53.000	157	The1Eri	2.9060	9300.0	106	39121	No
22	GOM_NL__2PRFIN20090824_020706_000000602081_00490_39121_0608.N1	24-AUG-2009 02:07:06	Straylight	60.000	84	Alp Phe	2.3970	4500.0	120	39121	No
23	GOM_NL__2PRFIN20090824_021353_000000482081_00490_39121_0609.N1	24-AUG-2009 02:13:53	Straylight	48.000	18	24Alp PsA	1.1660	9700.0	96	39121	No
24	GOM_NL__2PRFIN20090824_022401_000000422081_00490_39121_0610.N1	24-AUG-2009 02:24:01	Bright	42.000	162	34Alp Aqr	2.9440	5350.0	84	39121	No
25	GOM_NL__2PRFIN20090824_022705_000000582081_00490_39121_0611.N1	24-AUG-2009 02:27:05	Bright	58.000	61	8Eps Peg	2.1000	3900.0	116	39121	No
26	GOM_NL__2PRFIN20090824_023508_000000482081_00490_39121_0612.N1	24-AUG-2009 02:35:08	Bright	48.000	164	44Eta Peg	2.9480	5400.0	96	39121	No
27	GOM_NL__2PRFIN20090824_024558_000000452081_00490_39121_0613.N1	24-AUG-2009 02:45:58	Bright	44.500	74	11Bet Cas	2.2680	6600.0	89	39121	No
28	GOM_NL__2PRFIN20090824_024811_000000472081_00490_39121_0614.N1	24-AUG-2009 02:48:11	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	39121	No
29	GOM_NL__2PRFIN20090824_030157_000000522081_00490_39121_0615.N1	24-AUG-2009 03:01:57	Bright	51.500	6	13Alp Aur	0.080000	3400.0	103	39121	No
30	GOM_NL__2PRFIN20090824_030512_000000442081_00490_39121_0616.N1	24-AUG-2009 03:05:12	Bright	44.000	107	37The Aur	2.6490	11000.	88	39121	No
31	GOM_NL__2PRFIN20090824_030952_000000512081_00490_39121_0617.N1	24-AUG-2009 03:09:52	Twilight	51.000	151	13Mu Gem	2.8900	3000.0	102	39121	No
32	GOM_NL__2PRFIN20090824_031131_000000452081_00490_39121_0618.N1	24-AUG-2009 03:11:31	Twilight	45.000	44	24Gam Gem	1.9280	11000.	90	39121	No
33	GOM_NL__2PRFIN20090824_031528_000000662081_00490_39121_0619.N1	24-AUG-2009 03:15:28	Dark	66.000	14	58Alp Ori	0.87000	3000.0	132	39121	No
34	GOM_NL__2PRFIN20090824_031706_000000612081_00490_39121_0620.N1	24-AUG-2009 03:17:06	Dark	61.000	27	24Gam Ori	1.6360	26000.	122	39121	No
35	GOM_NL__2PRFIN20090824_031903_000000552081_00490_39121_0621.N1	24-AUG-2009 03:19:03	Dark	54.500	30	46Eps Ori	1.6940	30000.	109	39121	No
36	GOM_NL__2PRFIN20090824_032102_000000502081_00490_39121_0622.N1	24-AUG-2009 03:21:02	Dark	50.000	56	53Kap Ori	2.0650	30000.	100	39121	No
37	GOM_NL__2PRFIN20090824_032228_000000662081_00490_39121_0623.N1	24-AUG-2009 03:22:28	Dark	65.500	7	19Bet Ori	0.10000	14000.	131	39121	No
38	GOM_NL__2PRFIN20090824_032503_000000512081_00490_39121_0624.N1	24-AUG-2009 03:25:03	Dark	50.500	139	9Bet Lep	2.8330	5600.0	101	39121	No
39	GOM_NL__2PRFIN20090824_033843_000000542081_00491_39122_0641.N1	24-AUG-2009 03:38:43	Dark	53.500	157	The1Eri	2.9060	9300.0	107	39122	No
40	GOM_NL__2PRFIN20090824_034743_000000542081_00491_39122_0642.N1	24-AUG-2009 03:47:43	Straylight	54.000	84	Alp Phe	2.3970	4500.0	108	39122	No
41	GOM_NL__2PRFIN20090824_035429_000000502081_00491_39122_0643.N1	24-AUG-2009 03:54:29	Straylight	50.000	18	24Alp PsA	1.1660	9700.0	100	39122	No
42	GOM_NL__2PRFIN20090824_040437_000000442081_00491_39122_0644.N1	24-AUG-2009 04:04:37	Bright	43.500	162	34Alp Aqr	2.9440	5350.0	87	39122	No

220	GOM_NL__2PRFIN20090824_222108_000000502082_00001_39133_0838.N1	24-AUG-2009 22:21:08	Straylight	49.500	18	24Alp PsA	1.1660	9700.0	99	39133	No
221	GOM_NL__2PRFIN20090824_223111_000000412082_00001_39133_0839.N1	24-AUG-2009 22:31:11	Bright	41.000	162	34Alp Aqr	2.9440	5350.0	82	39133	No
222	GOM_NL__2PRFIN20090824_223414_000000422082_00001_39133_0840.N1	24-AUG-2009 22:34:14	Bright	42.000	61	8Eps Peg	2.1000	3900.0	84	39133	No
223	GOM_NL__2PRFIN20090824_224210_000000462082_00001_39133_0841.N1	24-AUG-2009 22:42:10	Bright	46.000	164	44Eta Peg	2.9480	5400.0	92	39133	No
224	GOM_NL__2PRFIN20090824_225301_000000462082_00001_39133_0842.N1	24-AUG-2009 22:53:01	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	39133	No
225	GOM_NL__2PRFIN20090824_225513_000000472082_00001_39133_0843.N1	24-AUG-2009 22:55:13	Bright	46.500	76	27Gam Cas	2.3000	30000.	93	39133	No
226	GOM_NL__2PRFIN20090824_230906_000000602082_00001_39133_0844.N1	24-AUG-2009 23:09:06	Bright	60.000	6	13Alp Aur	0.080000	3400.0	120	39133	No
227	GOM_NL__2PRFIN20090824_231224_000000412082_00001_39133_0845.N1	24-AUG-2009 23:12:24	Bright	41.000	107	37The Aur	2.6490	11000.	82	39133	No
228	GOM_NL__2PRFIN20090824_231549_000000612082_00001_39133_0846.N1	24-AUG-2009 23:15:49	Twilight_stray	60.500	28	12Bet Tau	1.6500	15200.	121	39133	No
229	GOM_NL__2PRFIN20090824_231846_000000462082_00001_39133_0847.N1	24-AUG-2009 23:18:46	Twilight_stray	46.000	44	24Gam Gem	1.9280	11000.	92	39133	No
230	GOM_NL__2PRFIN20090824_232246_000000582082_00001_39133_0848.N1	24-AUG-2009 23:22:46	Dark	58.000	14	58Alp Ori	0.87000	3000.0	116	39133	No
231	GOM_NL__2PRFIN20090824_232427_000000622082_00001_39133_0849.N1	24-AUG-2009 23:24:27	Dark	62.000	27	24Gam Ori	1.6360	26000.	124	39133	No
232	GOM_NL__2PRFIN20090824_232624_000000592082_00001_39133_0850.N1	24-AUG-2009 23:26:24	Dark	59.000	30	46Eps Ori	1.6940	30000.	118	39133	No
233	GOM_NL__2PRFIN20090824_232822_000000502082_00001_39133_0851.N1	24-AUG-2009 23:28:22	Dark	50.000	56	53Kap Ori	2.0650	30000.	100	39133	No
234	GOM_NL__2PRFIN20090824_232953_000000662082_00001_39133_0852.N1	24-AUG-2009 23:29:53	Dark	66.000	7	19Bet Ori	0.10000	14000.	132	39133	No
235	GOM_NL__2PRFIN20090824_233225_000000482082_00001_39133_0853.N1	24-AUG-2009 23:32:25	Dark	48.000	139	9Bet Lep	2.8330	5600.0	96	39133	No
236	GOM_NL__2PRFIN20090824_234608_000000552082_00002_39134_0851.N1	24-AUG-2009 23:46:08	Dark	55.000	157	The1Eri	2.9060	9300.0	110	39134	No
237	GOM_NL__2PRFIN20090824_235503_000000512082_00002_39134_0852.N1	24-AUG-2009 23:55:03	Straylight	51.000	84	Alp Phe	2.3970	4500.0	102	39134	No

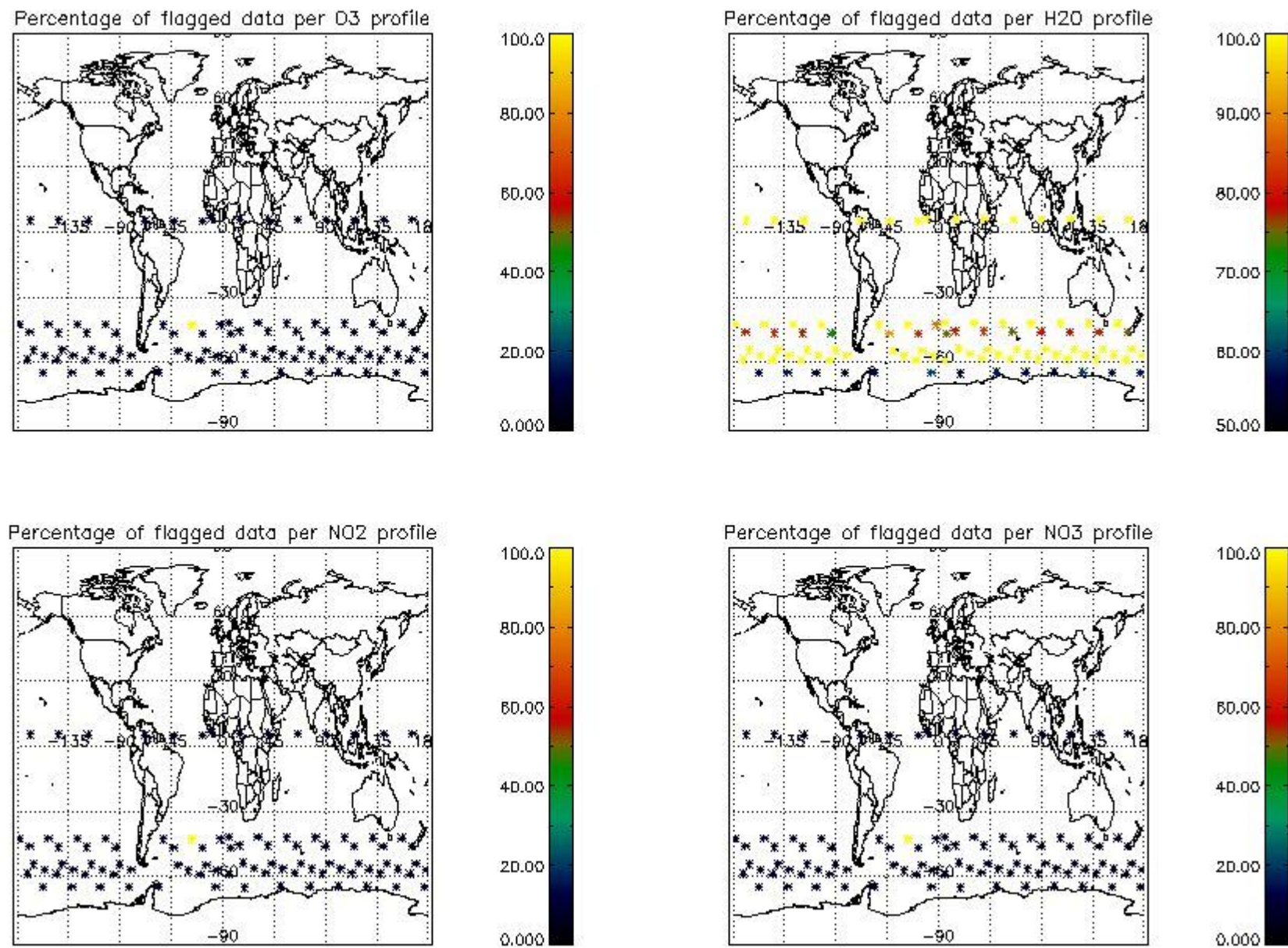
3. Quality information per product

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)

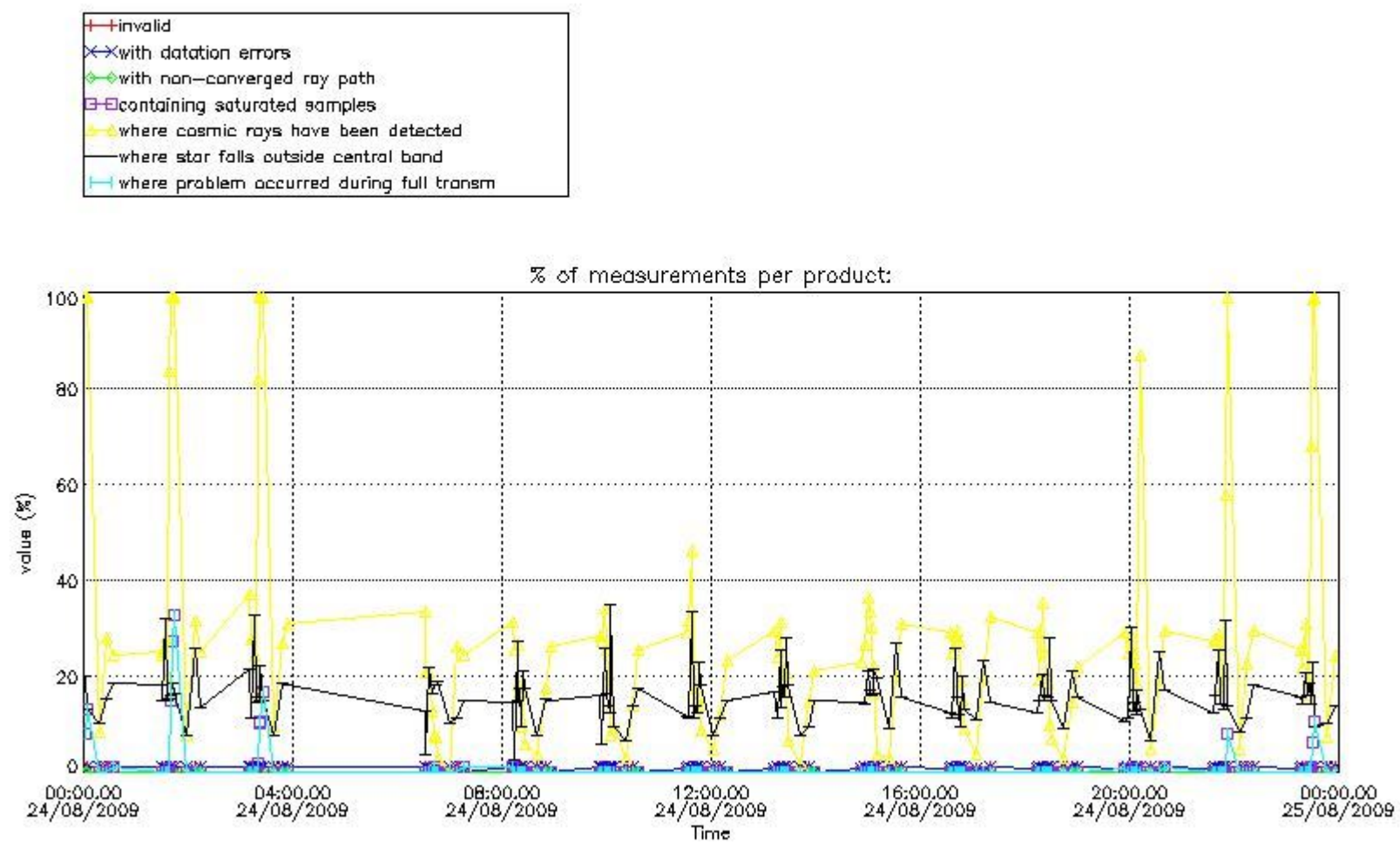


4. Level 1 quality information per product

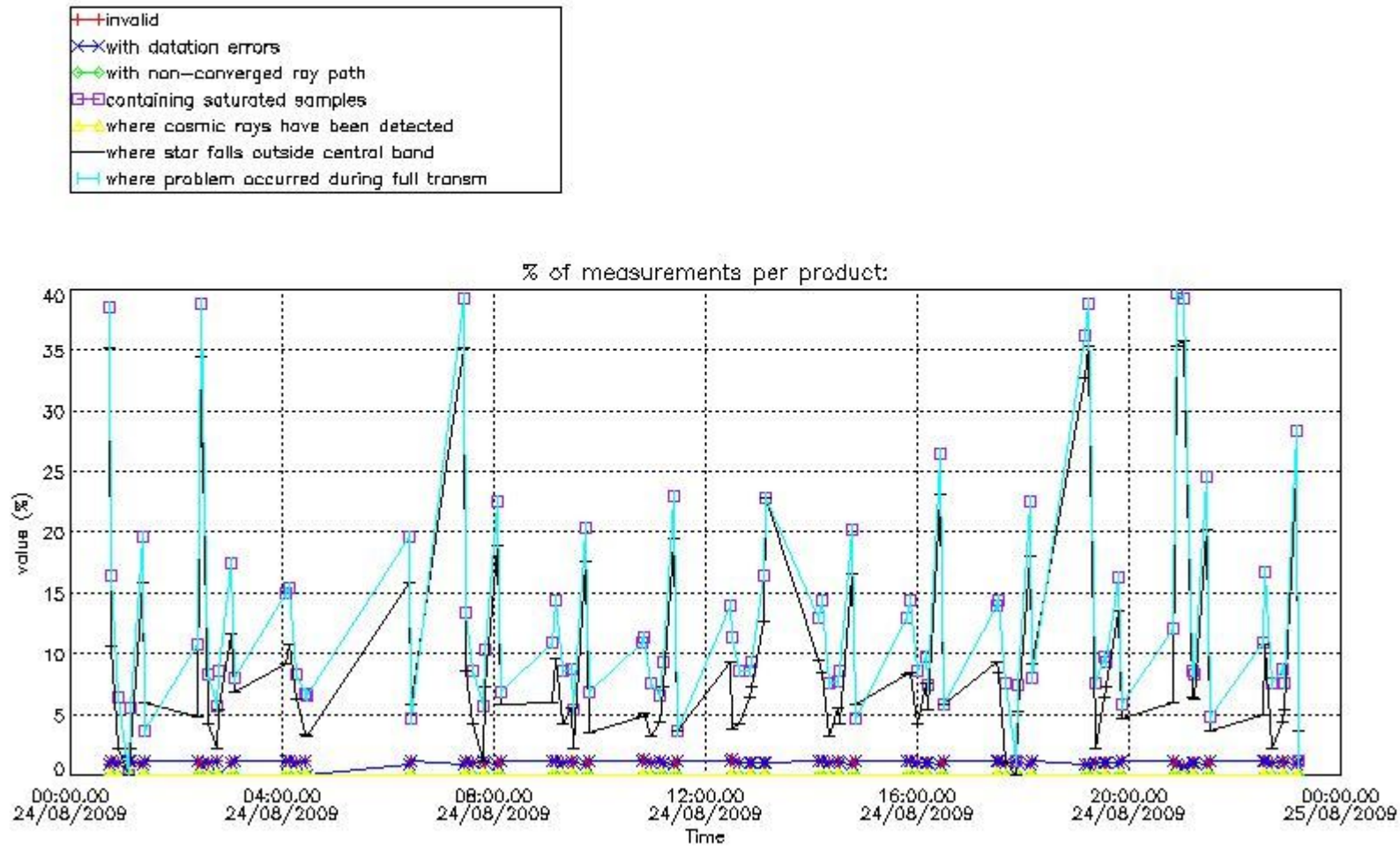
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



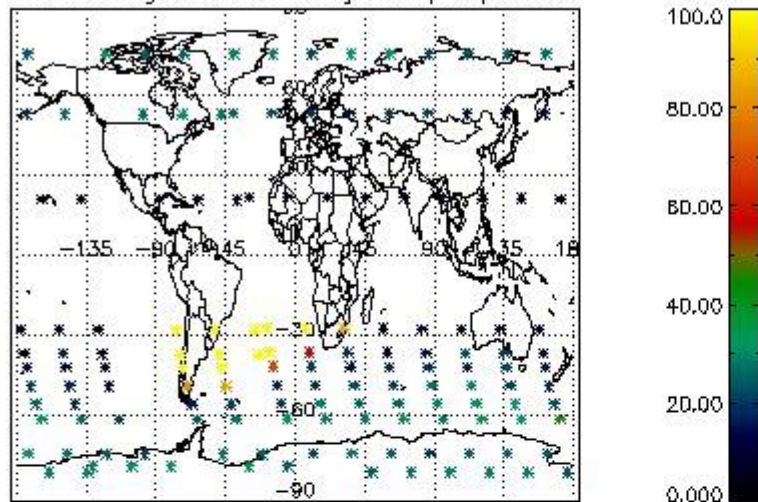
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



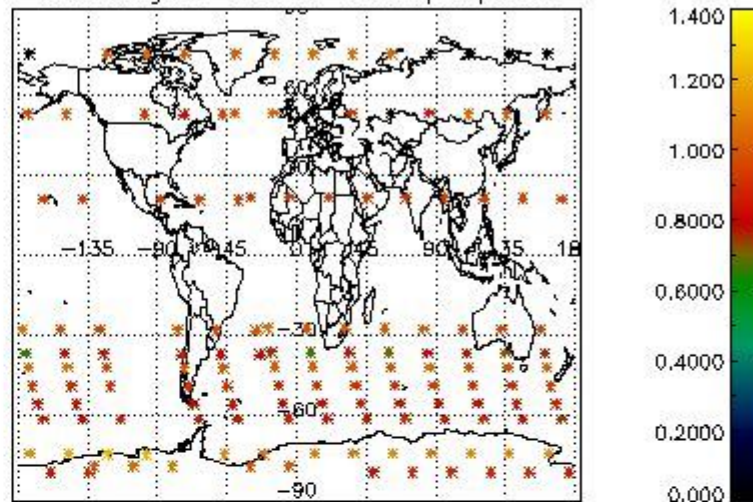
4.2 Plot quality information per product coming from level 1b processing (world map)

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

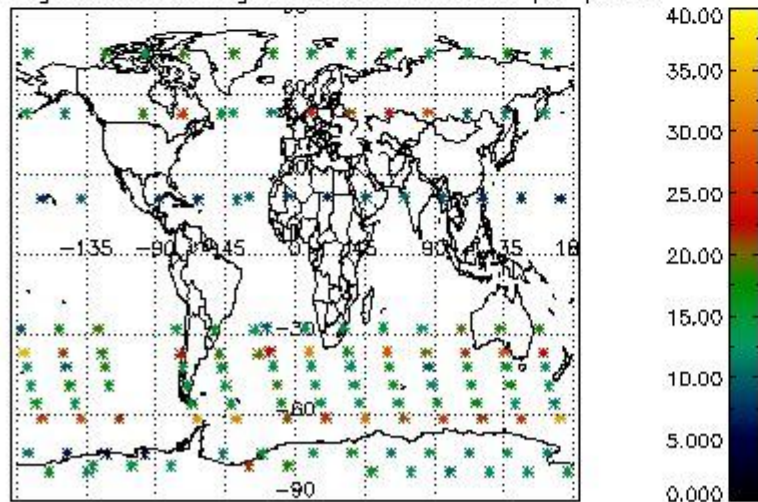
Percentage of cosmic ray hits per profile



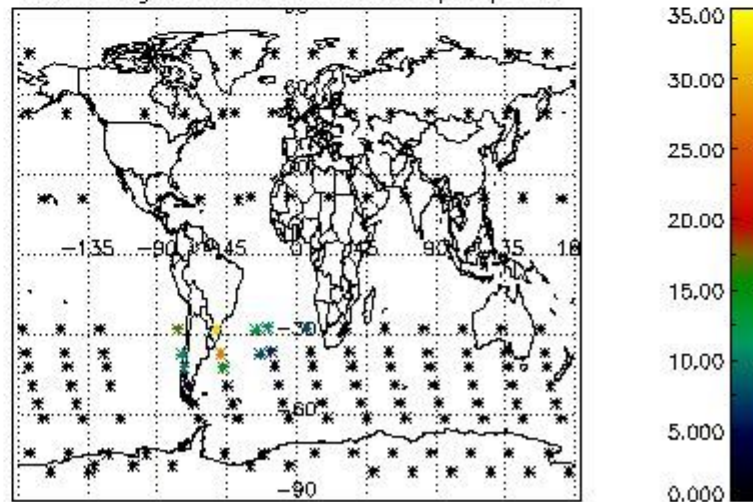
Percentage of datation errors per profile



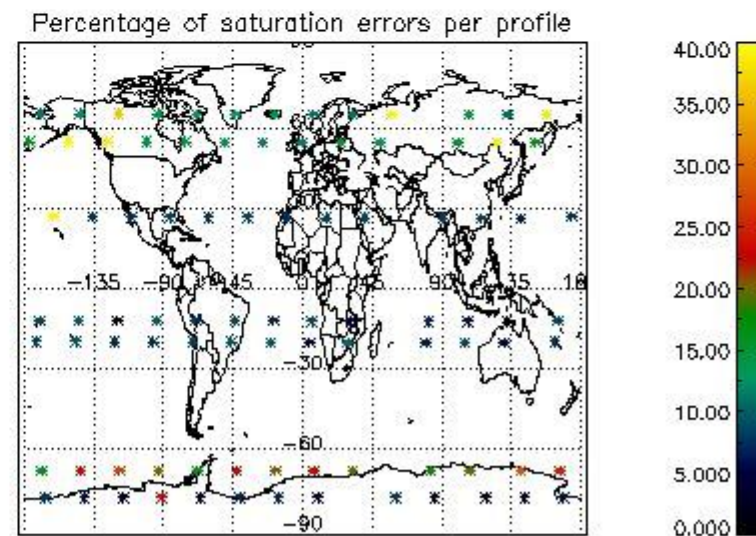
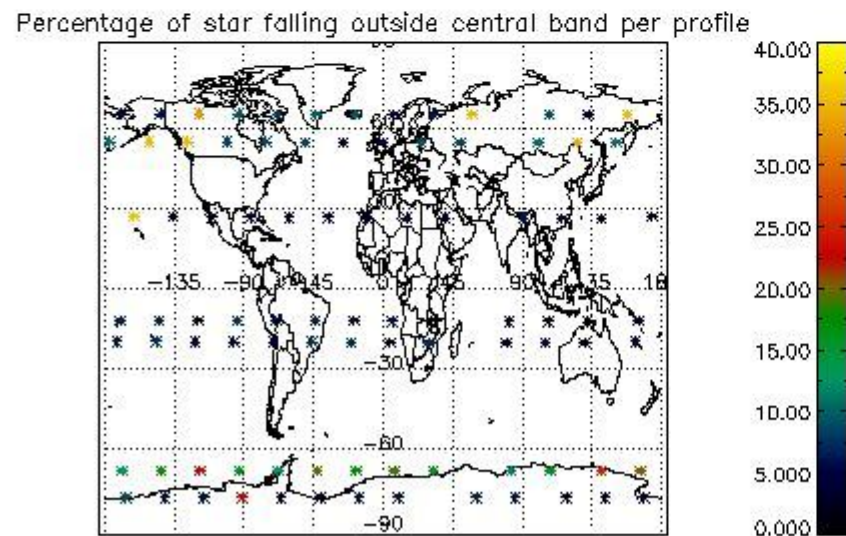
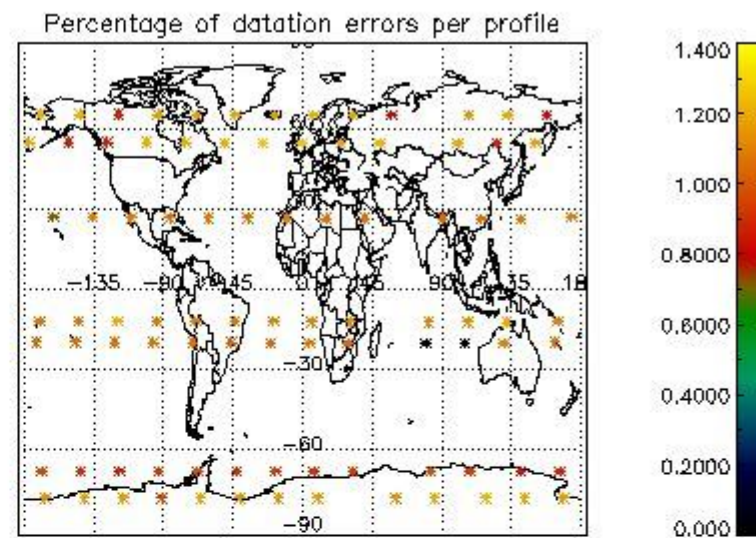
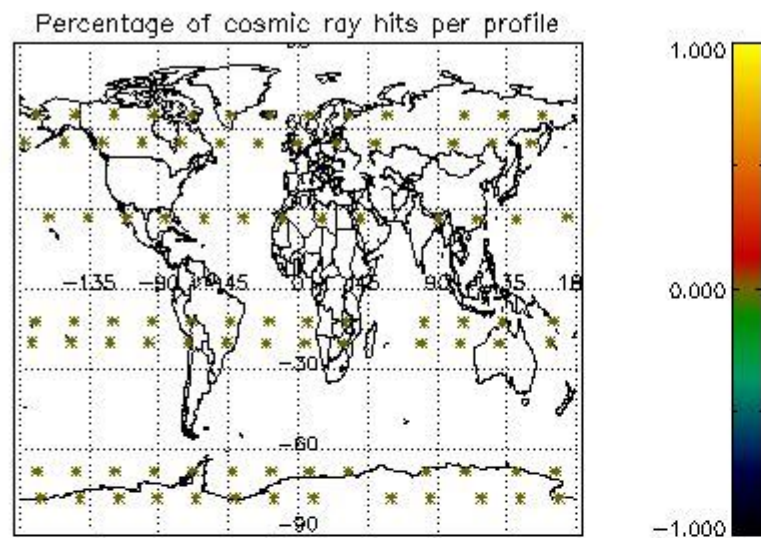
Percentage of star falling outside central band per profile



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

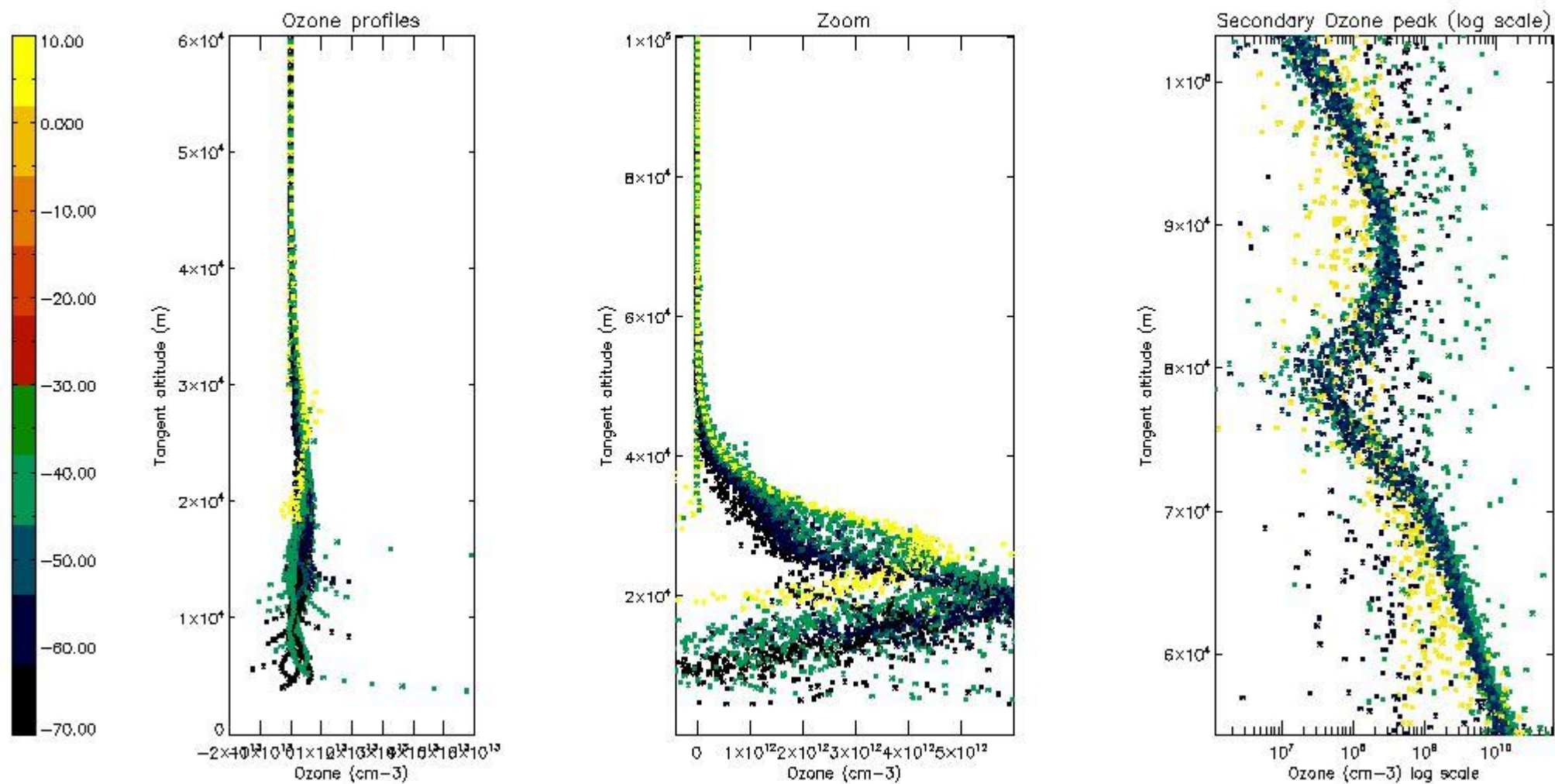
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	44
STD < 20	23

STD < 10	19
STD < 5	13

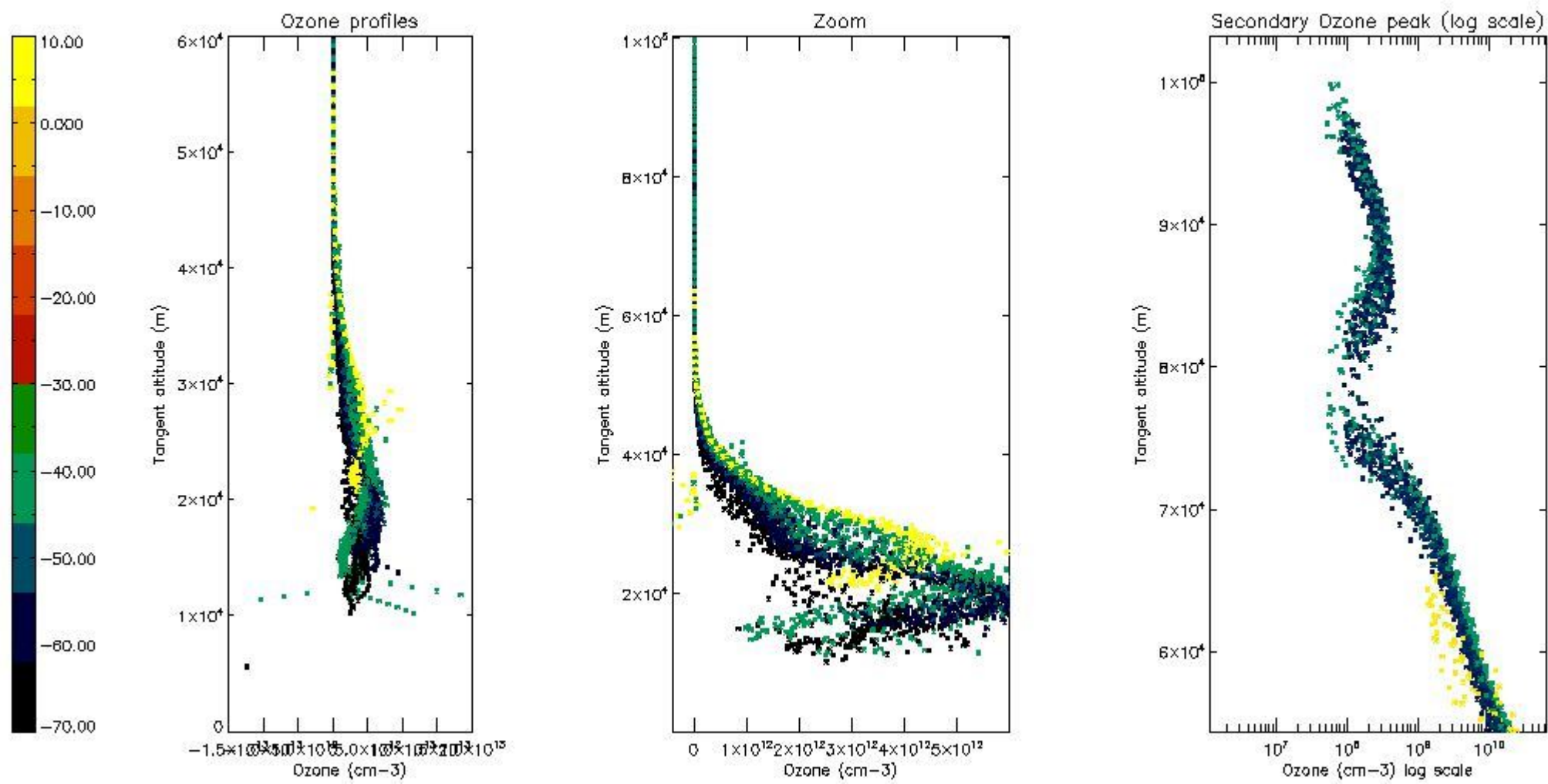
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



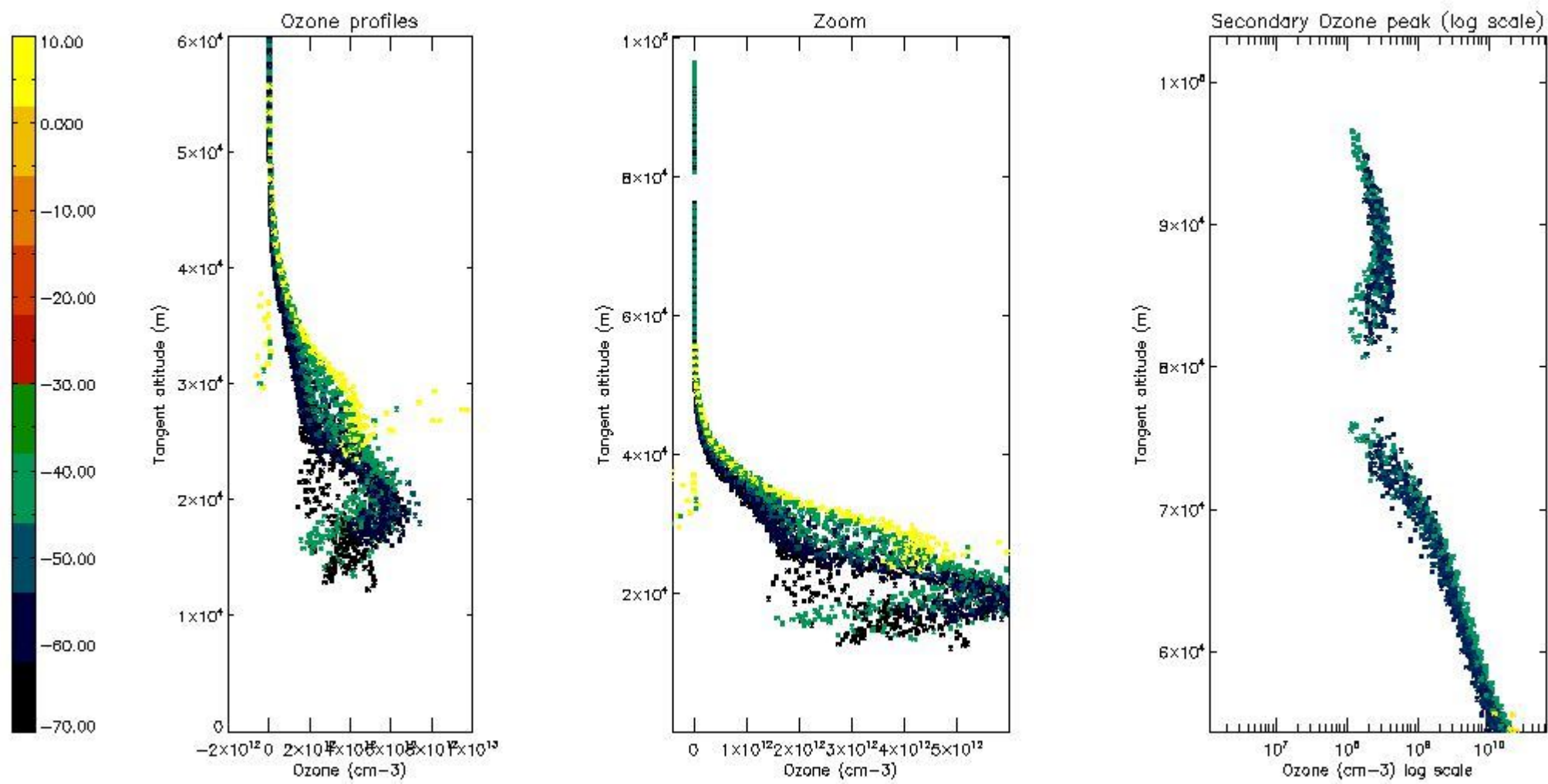
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



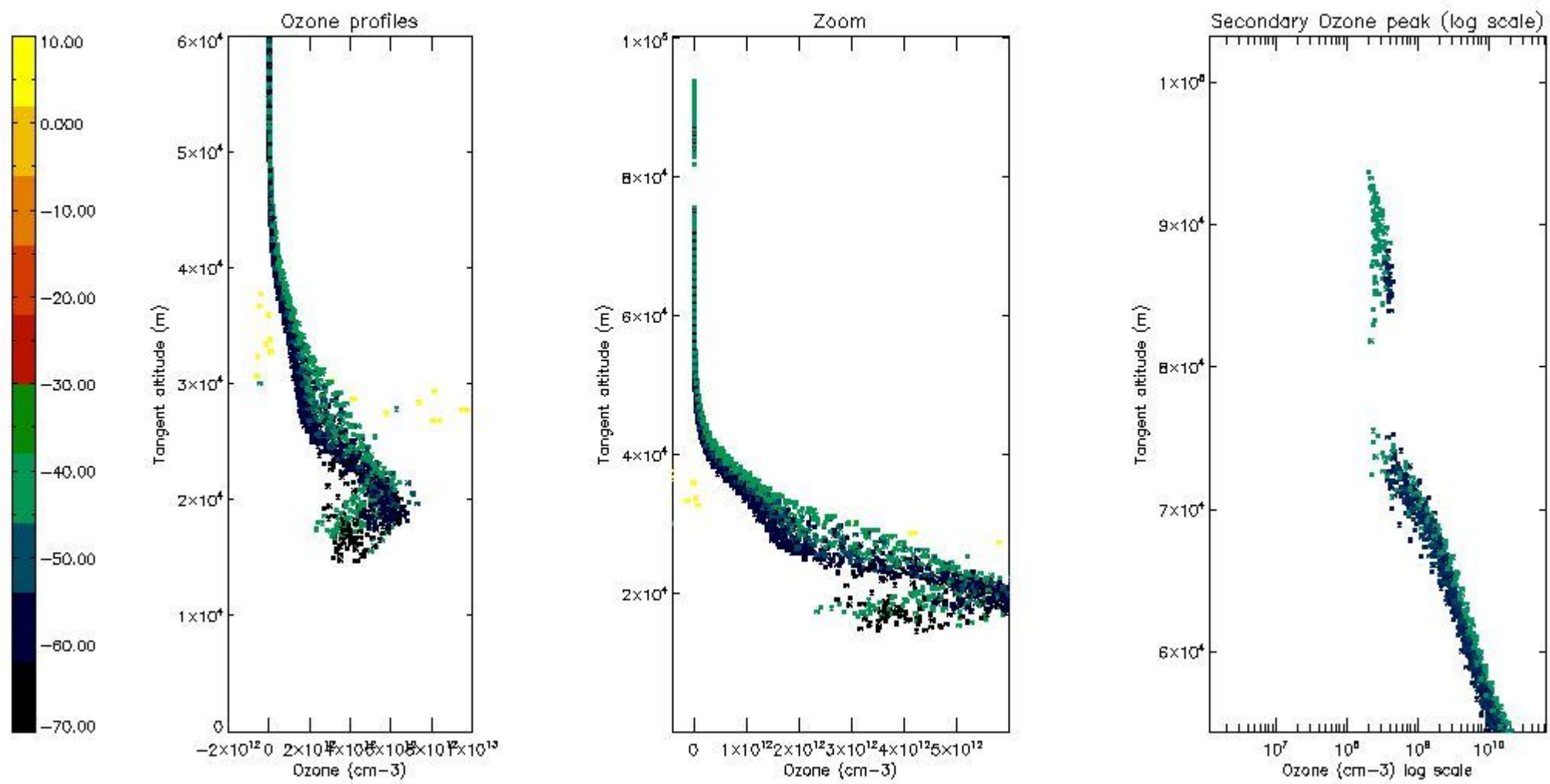
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



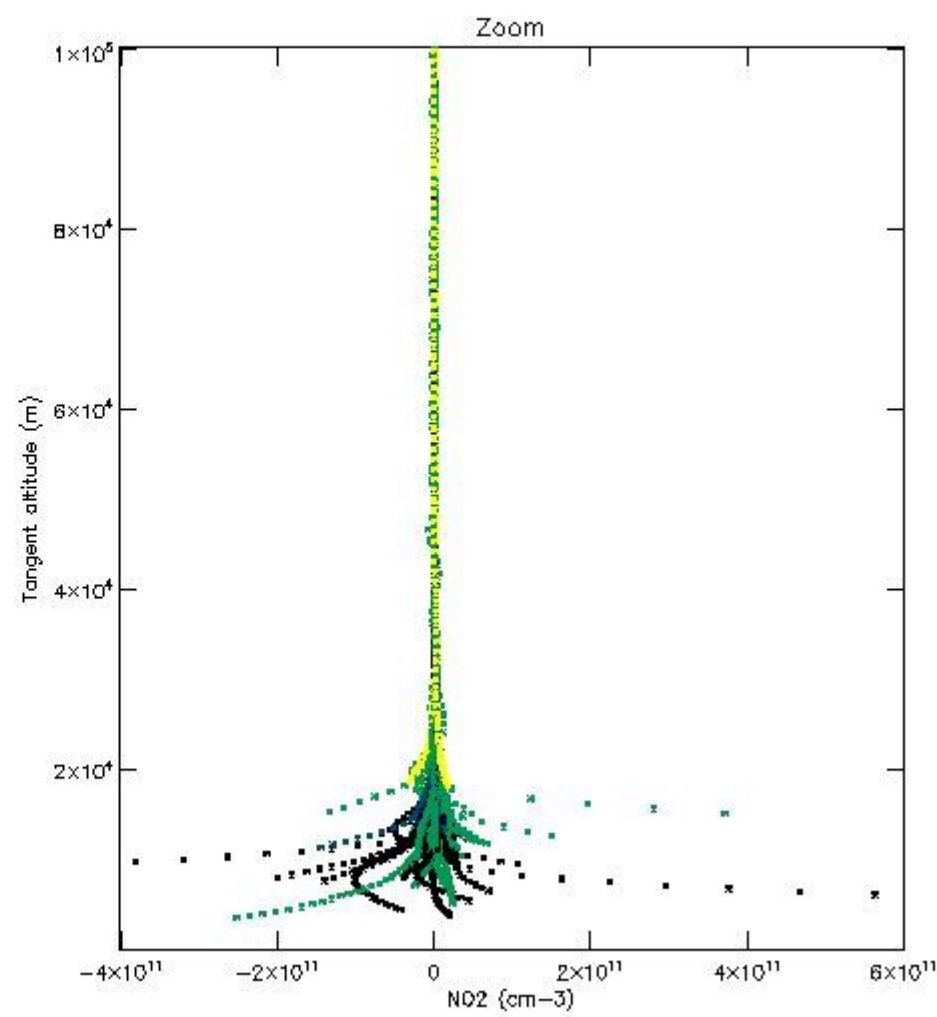
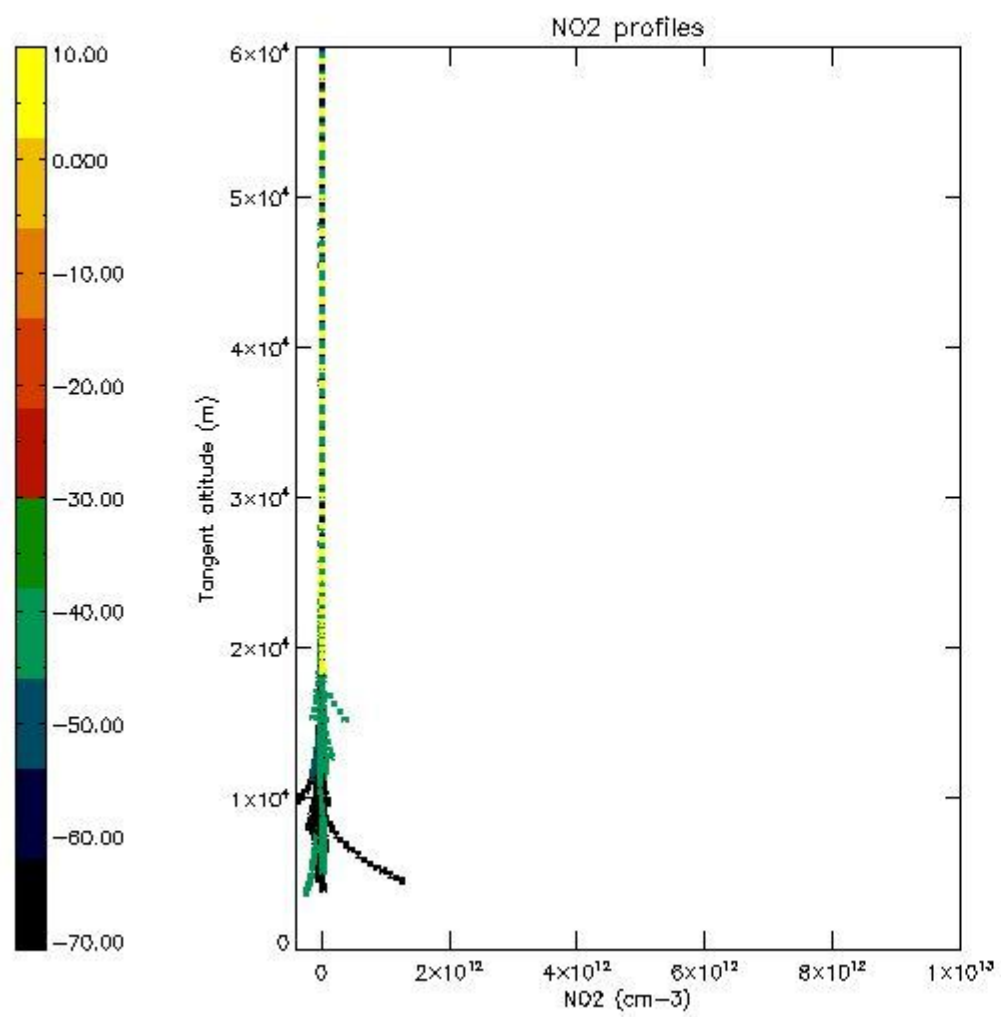
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



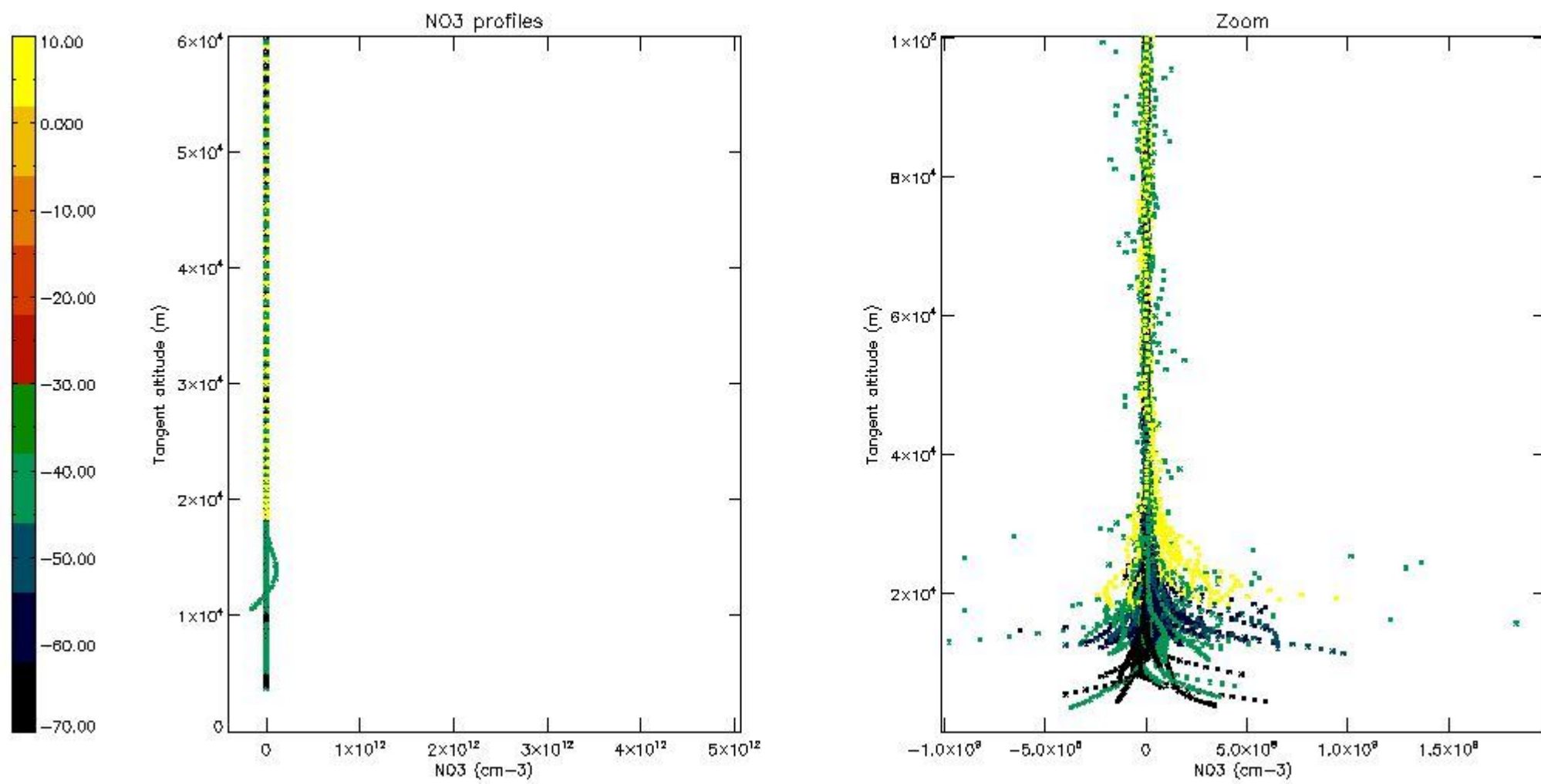
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



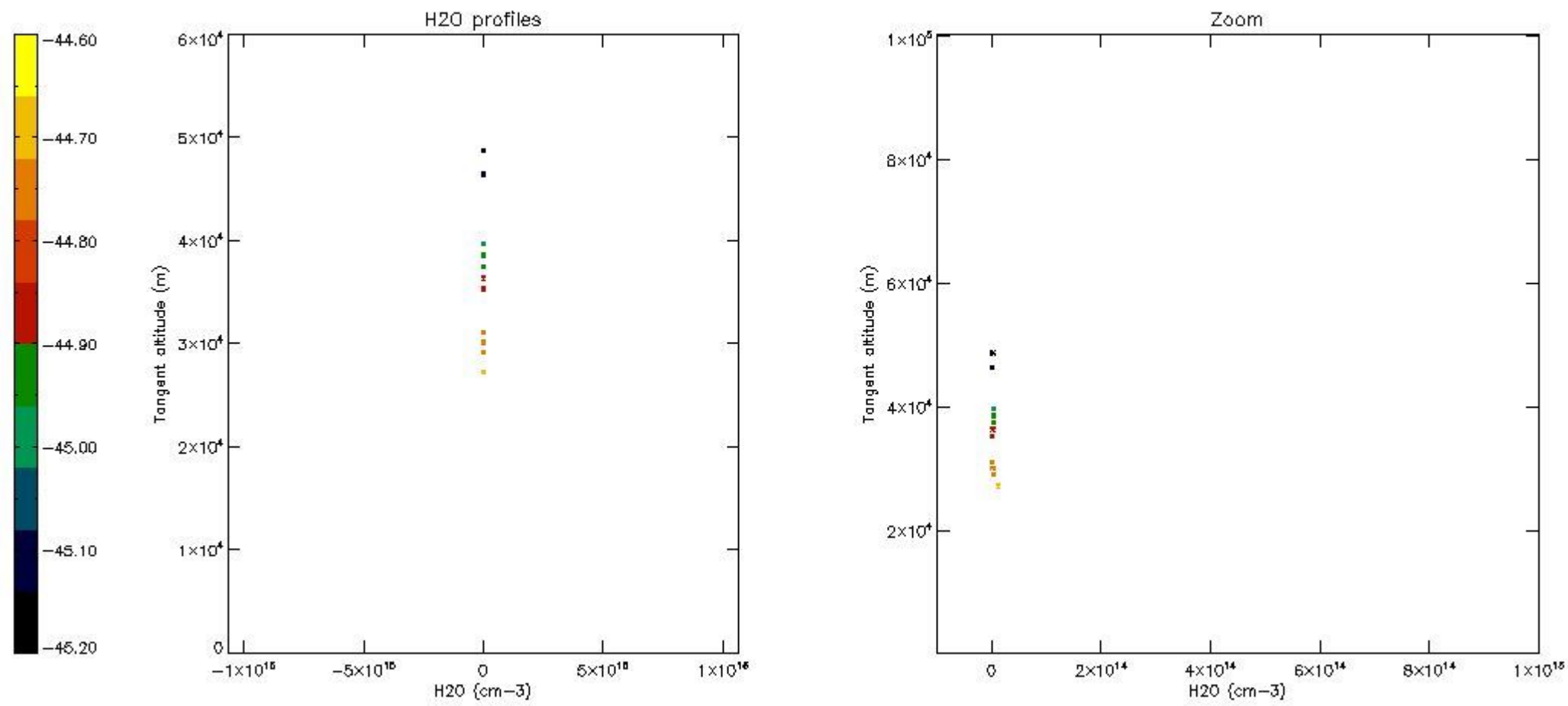
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	24-AUG-2009 00:01:14
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	24-AUG-2009 00:01:14
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	24-AUG-2009 00:01:14

GOMOS Level 2 Daily Report

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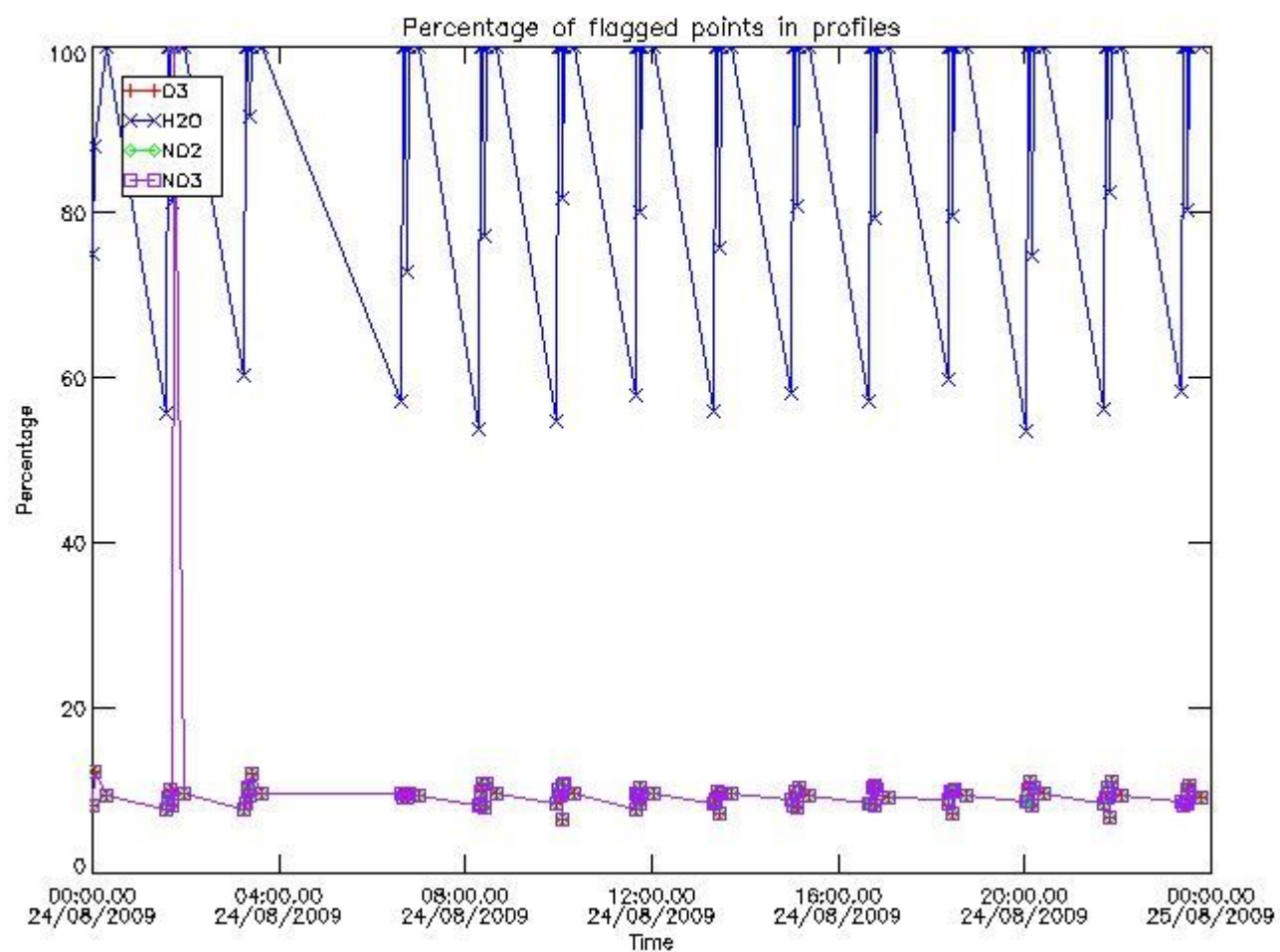
[6. Auxiliary Data Files used for the production reported in section 2](#)

220	GOM_NL__2PRFIN20090824_222108_000000502082_00001_39133_0838.N1	24-AUG-2009 22:21:08	Straylight	49.500	18	24Alp PsA	1.1660	9700.0	99	39133	No
221	GOM_NL__2PRFIN20090824_223111_000000412082_00001_39133_0839.N1	24-AUG-2009 22:31:11	Bright	41.000	162	34Alp Aqr	2.9440	5350.0	82	39133	No
222	GOM_NL__2PRFIN20090824_223414_000000422082_00001_39133_0840.N1	24-AUG-2009 22:34:14	Bright	42.000	61	8Eps Peg	2.1000	3900.0	84	39133	No
223	GOM_NL__2PRFIN20090824_224210_000000462082_00001_39133_0841.N1	24-AUG-2009 22:42:10	Bright	46.000	164	44Eta Peg	2.9480	5400.0	92	39133	No
224	GOM_NL__2PRFIN20090824_225301_000000462082_00001_39133_0842.N1	24-AUG-2009 22:53:01	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	39133	No
225	GOM_NL__2PRFIN20090824_225513_000000472082_00001_39133_0843.N1	24-AUG-2009 22:55:13	Bright	46.500	76	27Gam Cas	2.3000	30000.	93	39133	No
226	GOM_NL__2PRFIN20090824_230906_000000602082_00001_39133_0844.N1	24-AUG-2009 23:09:06	Bright	60.000	6	13Alp Aur	0.080000	3400.0	120	39133	No
227	GOM_NL__2PRFIN20090824_231224_000000412082_00001_39133_0845.N1	24-AUG-2009 23:12:24	Bright	41.000	107	37The Aur	2.6490	11000.	82	39133	No
228	GOM_NL__2PRFIN20090824_231549_000000612082_00001_39133_0846.N1	24-AUG-2009 23:15:49	Twilight_and_stray	60.500	28	12Bet Tau	1.6500	15200.	121	39133	No
229	GOM_NL__2PRFIN20090824_231846_000000462082_00001_39133_0847.N1	24-AUG-2009 23:18:46	Twilight_and_stray	46.000	44	24Gam Gem	1.9280	11000.	92	39133	No
230	GOM_NL__2PRFIN20090824_232246_000000582082_00001_39133_0848.N1	24-AUG-2009 23:22:46	Dark	58.000	14	58Alp Ori	0.87000	3000.0	116	39133	No
231	GOM_NL__2PRFIN20090824_232427_000000622082_00001_39133_0849.N1	24-AUG-2009 23:24:27	Dark	62.000	27	24Gam Ori	1.6360	26000.	124	39133	No
232	GOM_NL__2PRFIN20090824_232624_000000592082_00001_39133_0850.N1	24-AUG-2009 23:26:24	Dark	59.000	30	46Eps Ori	1.6940	30000.	118	39133	No
233	GOM_NL__2PRFIN20090824_232822_000000502082_00001_39133_0851.N1	24-AUG-2009 23:28:22	Dark	50.000	56	53Kap Ori	2.0650	30000.	100	39133	No
234	GOM_NL__2PRFIN20090824_232953_000000662082_00001_39133_0852.N1	24-AUG-2009 23:29:53	Dark	66.000	7	19Bet Ori	0.10000	14000.	132	39133	No
235	GOM_NL__2PRFIN20090824_233225_000000482082_00001_39133_0853.N1	24-AUG-2009 23:32:25	Dark	48.000	139	9Bet Lep	2.8330	5600.0	96	39133	No
236	GOM_NL__2PRFIN20090824_234608_000000552082_00002_39134_0851.N1	24-AUG-2009 23:46:08	Dark	55.000	157	The1Eri	2.9060	9300.0	110	39134	No
237	GOM_NL__2PRFIN20090824_235503_000000512082_00002_39134_0852.N1	24-AUG-2009 23:55:03	Straylight	51.000	84	Alp Phe	2.3970	4500.0	102	39134	No

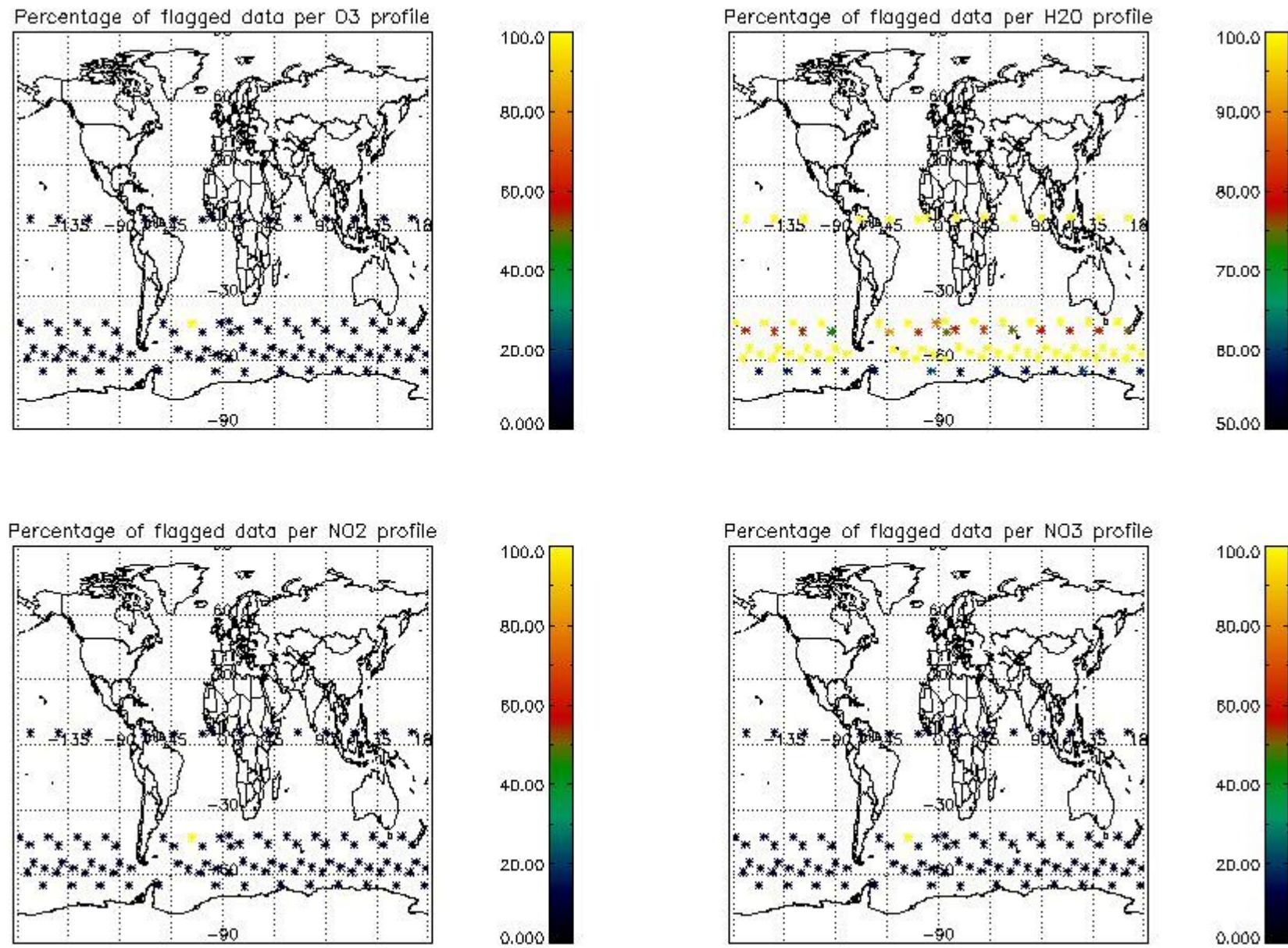
3. Quality information per product

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)

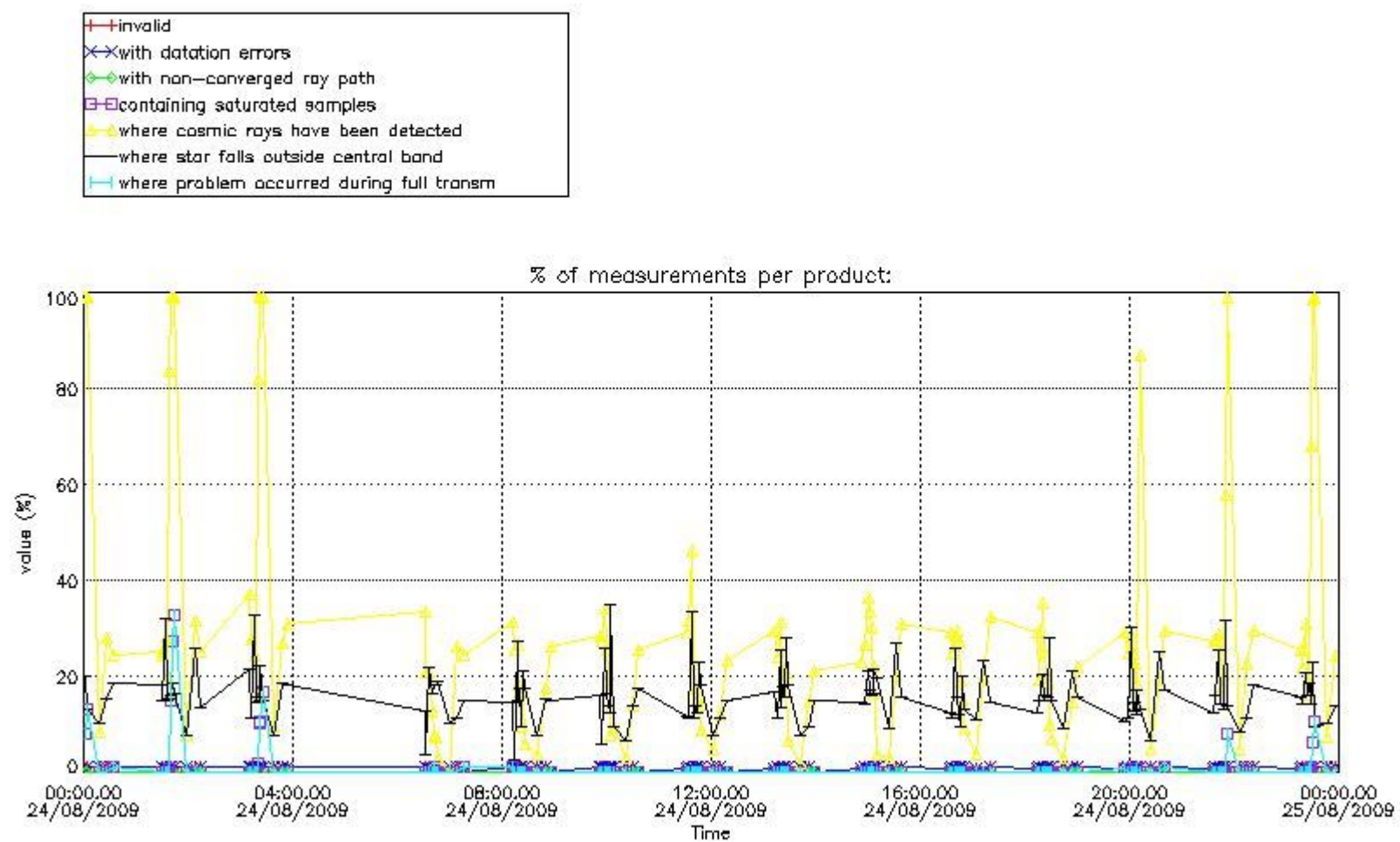


4. Level 1 quality information per product

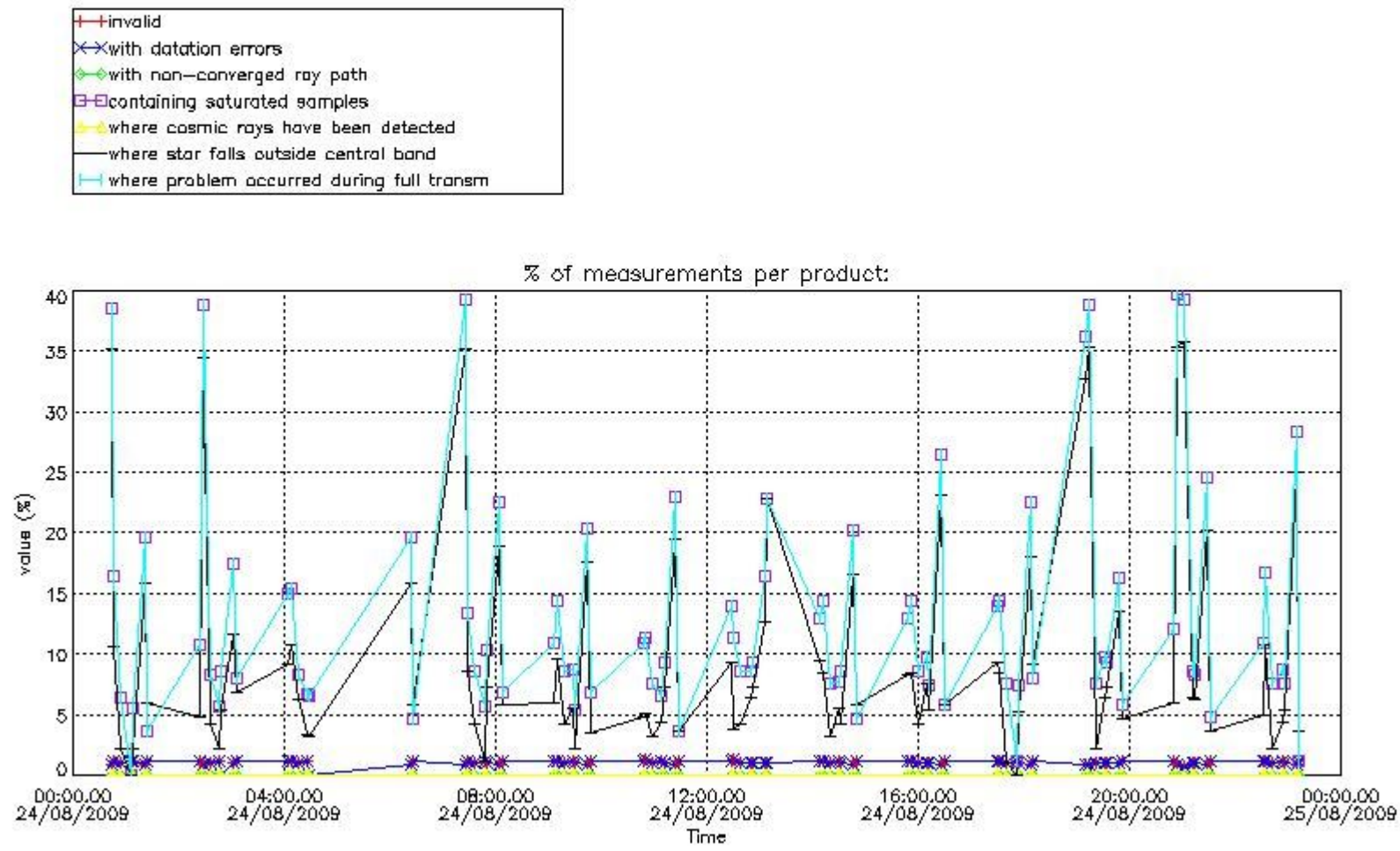
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



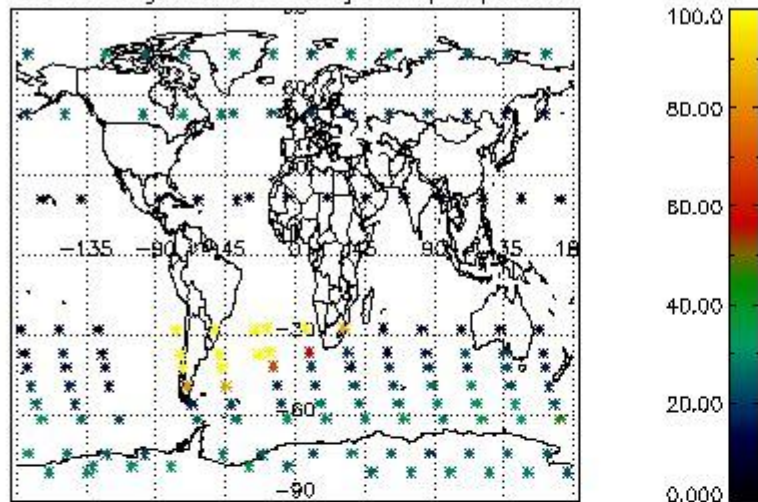
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



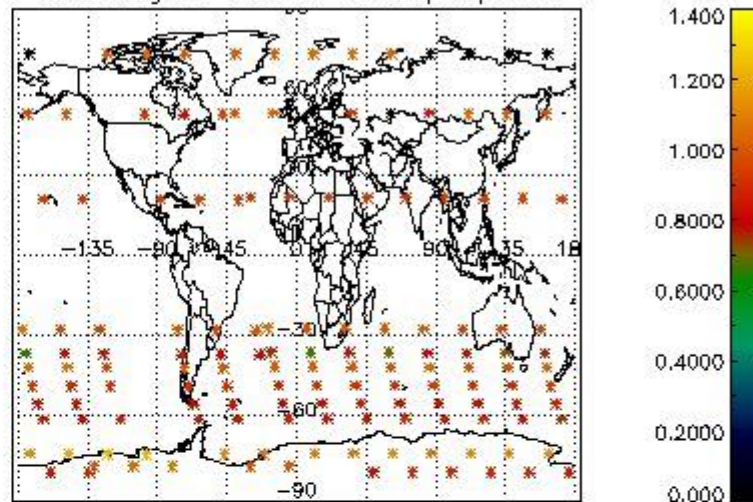
4.2 Plot quality information per product coming from level 1b processing (world map)

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

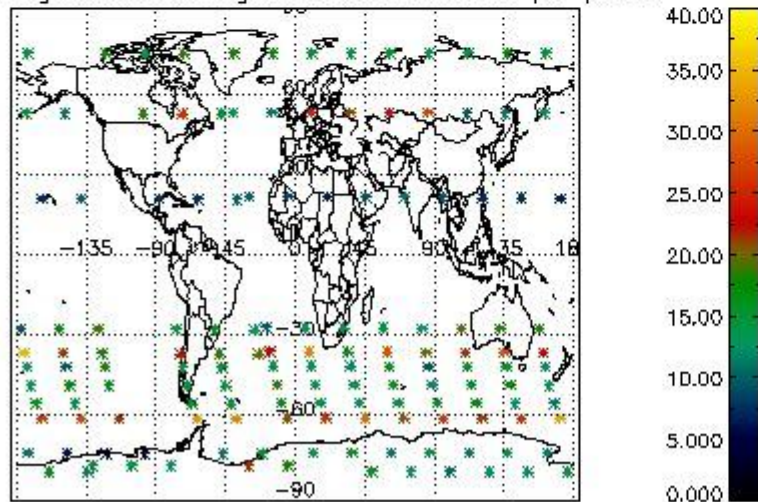
Percentage of cosmic ray hits per profile



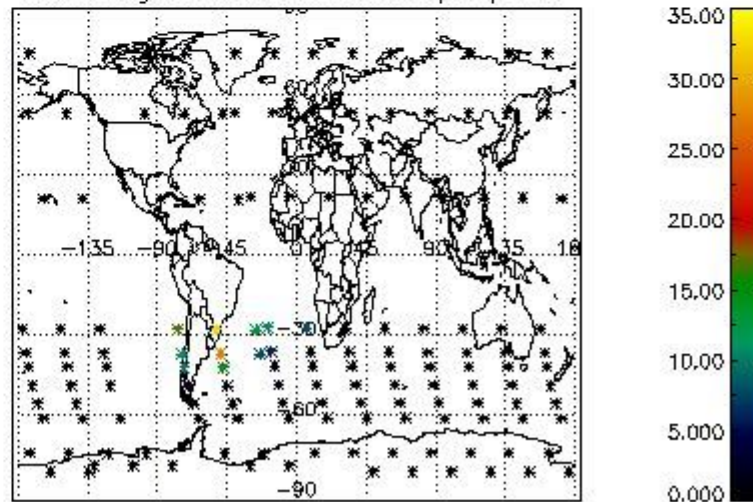
Percentage of datation errors per profile



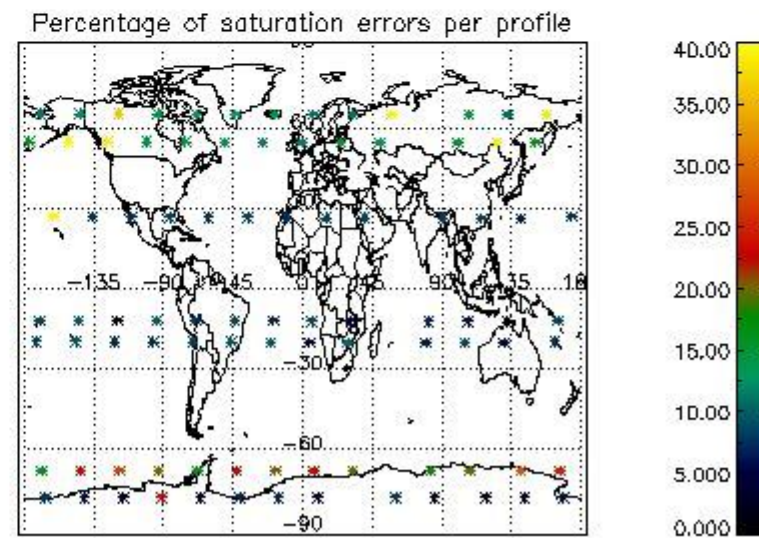
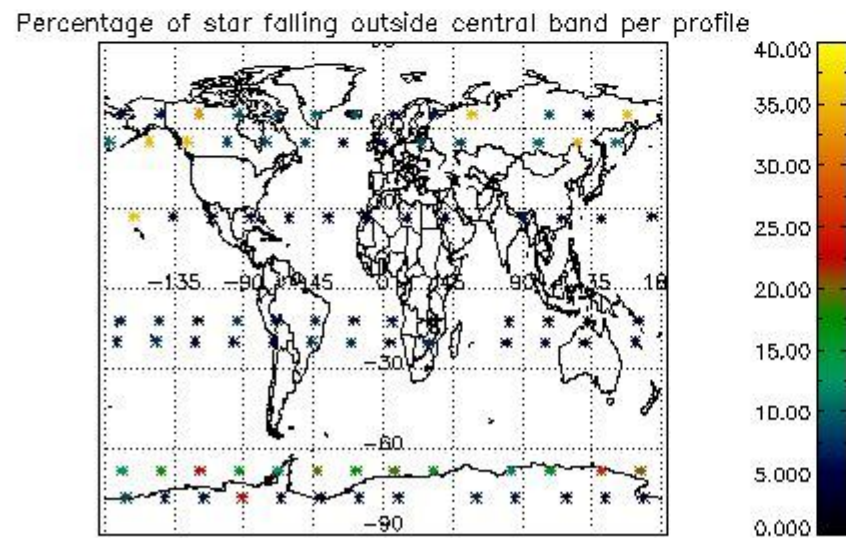
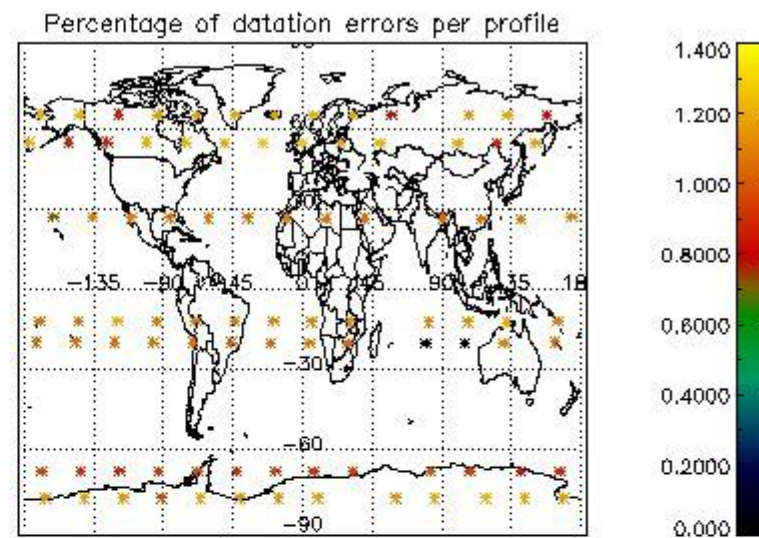
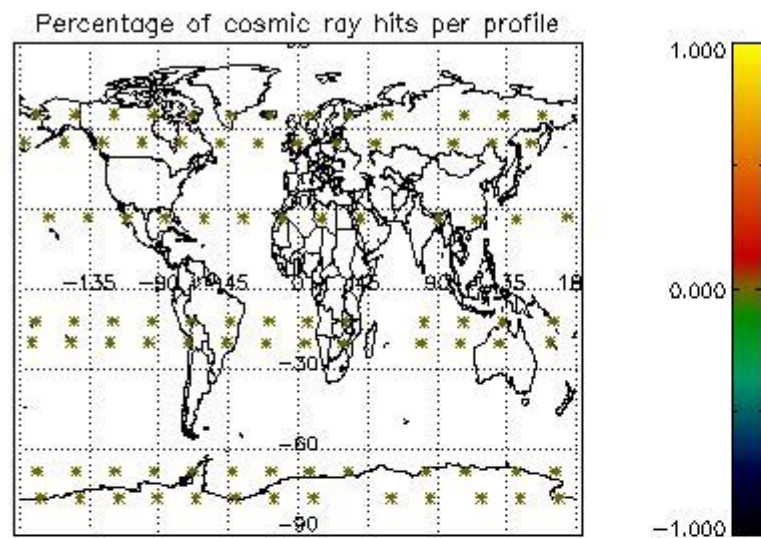
Percentage of star falling outside central band per profile



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

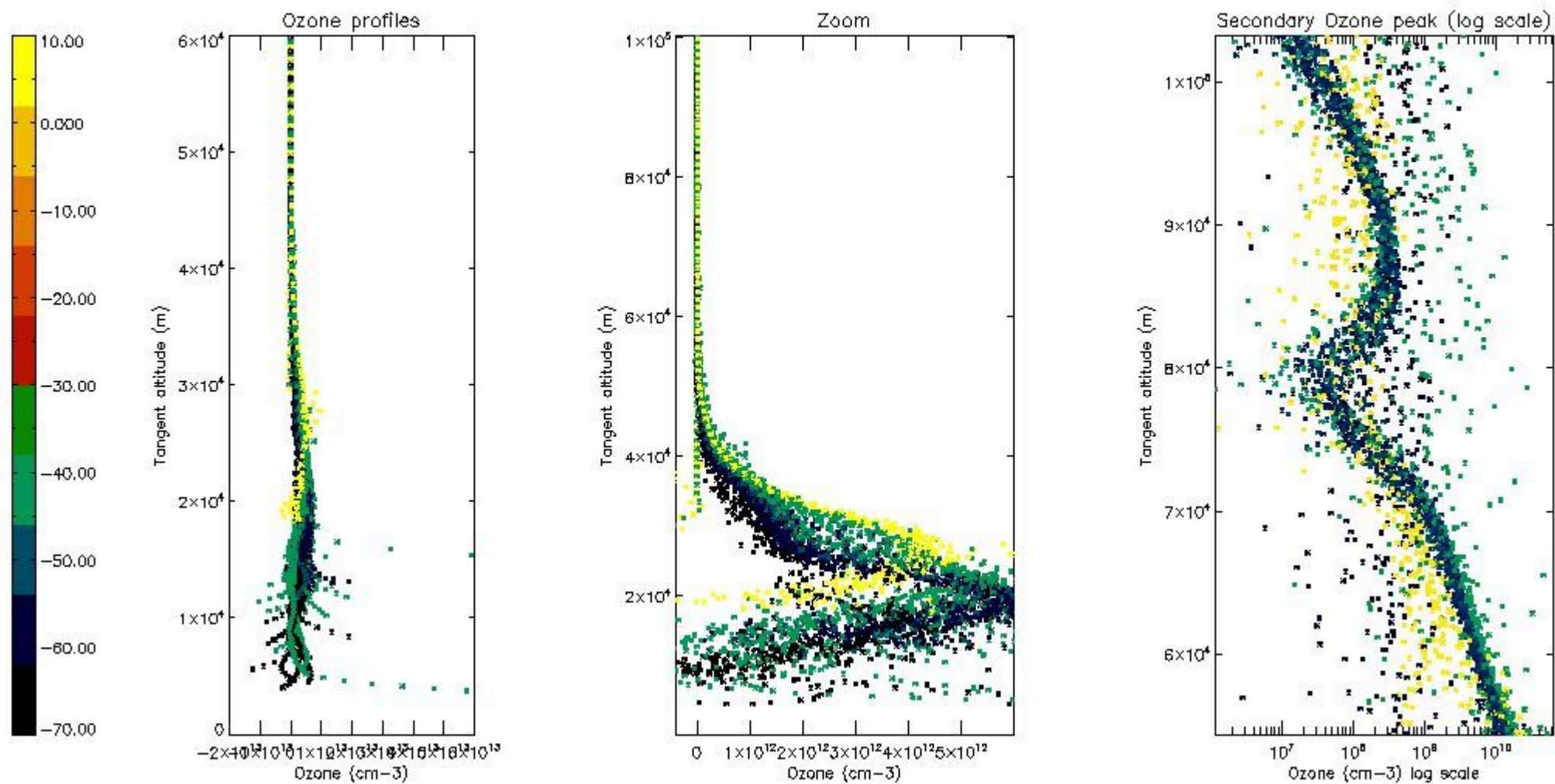
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	44
STD < 20	23

STD < 10	19
STD < 5	13

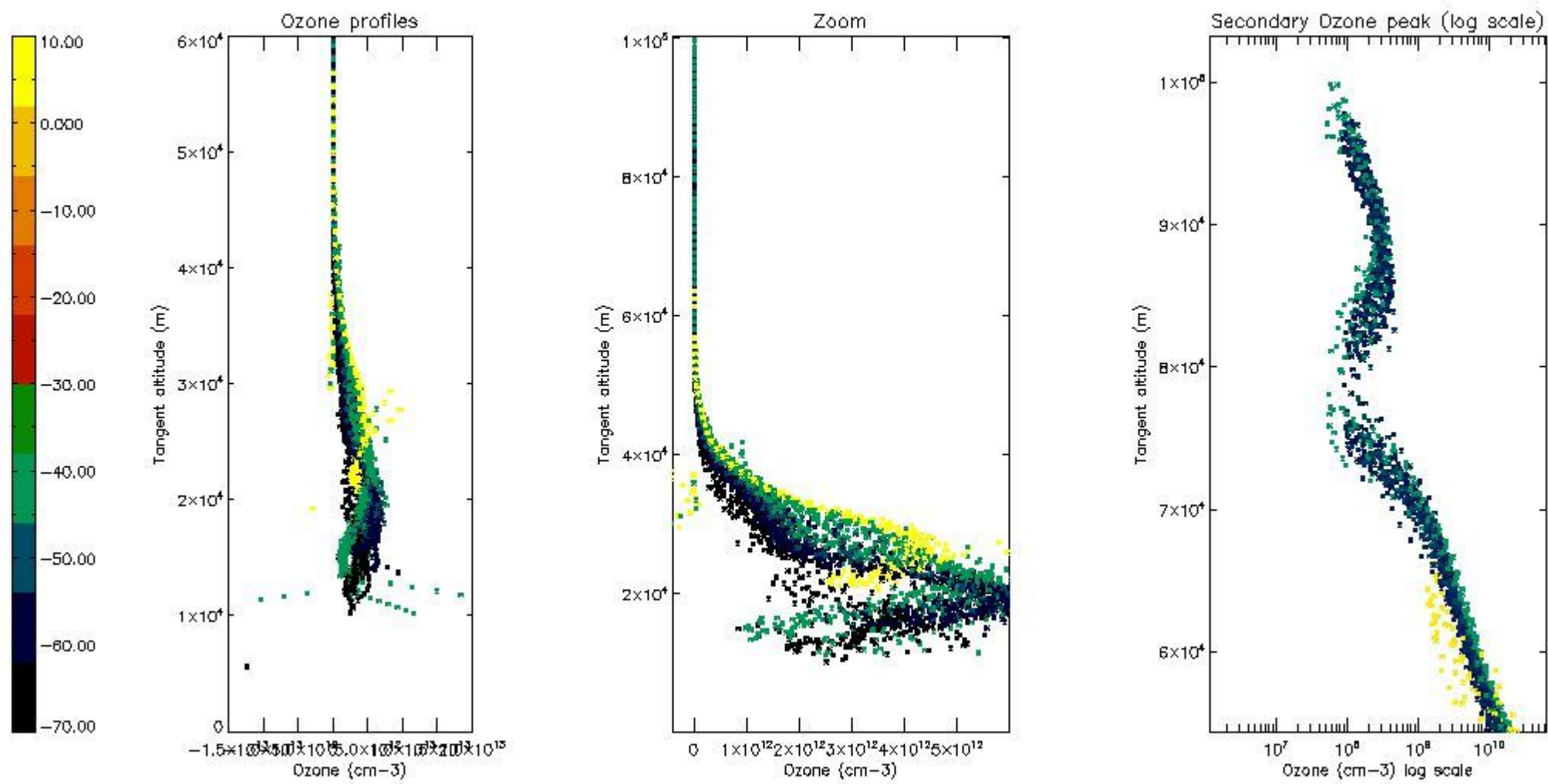
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



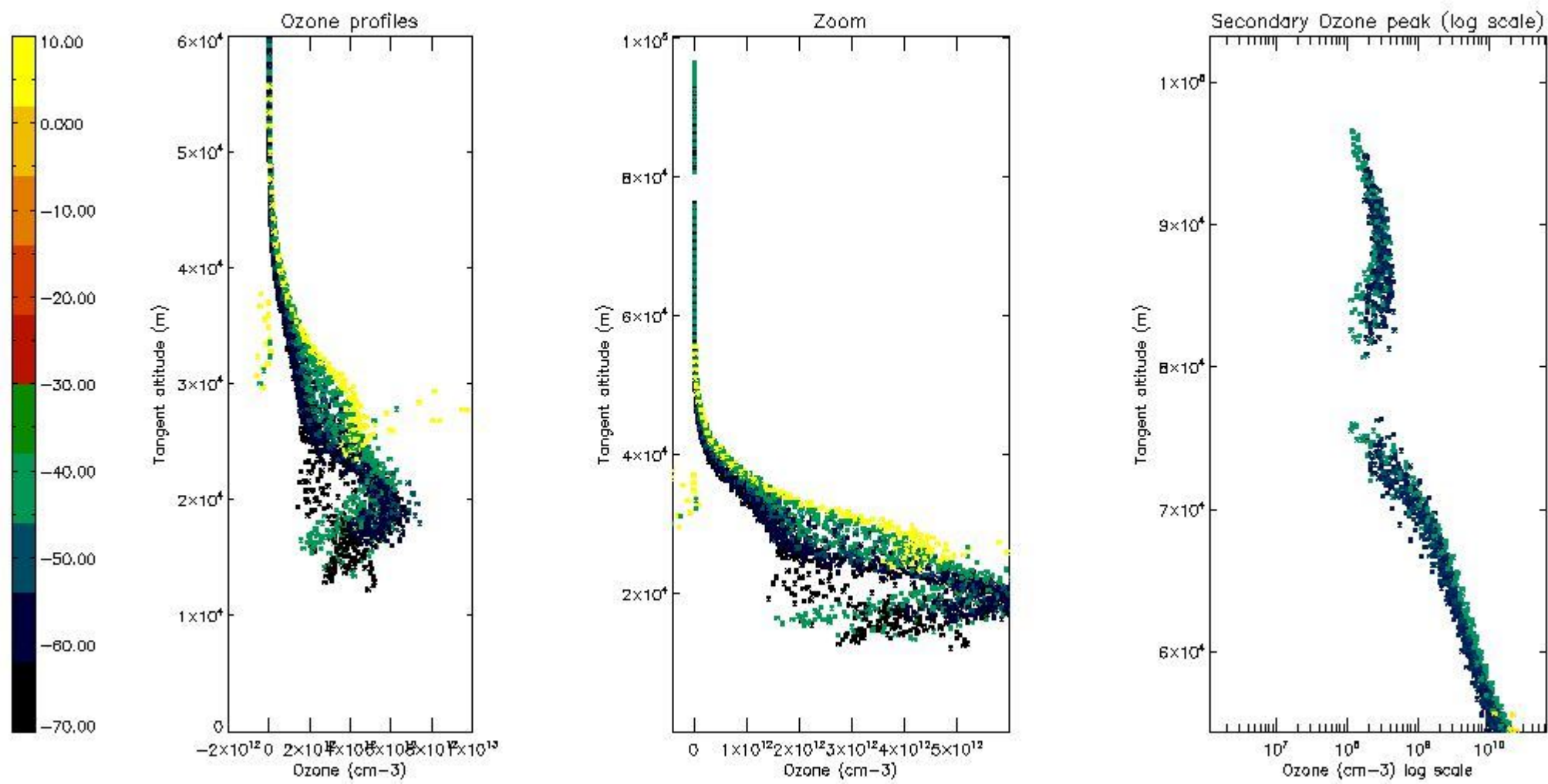
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



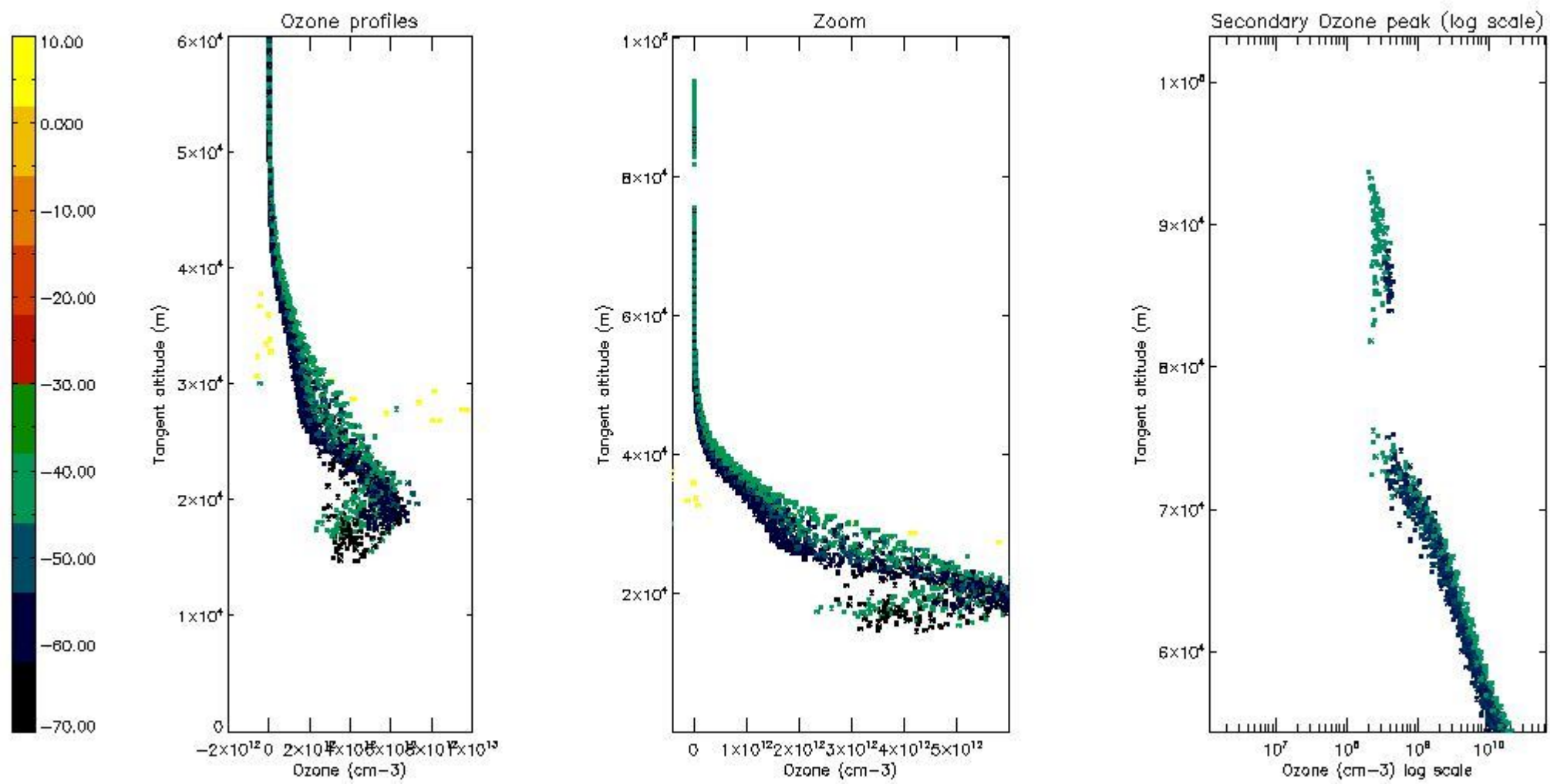
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



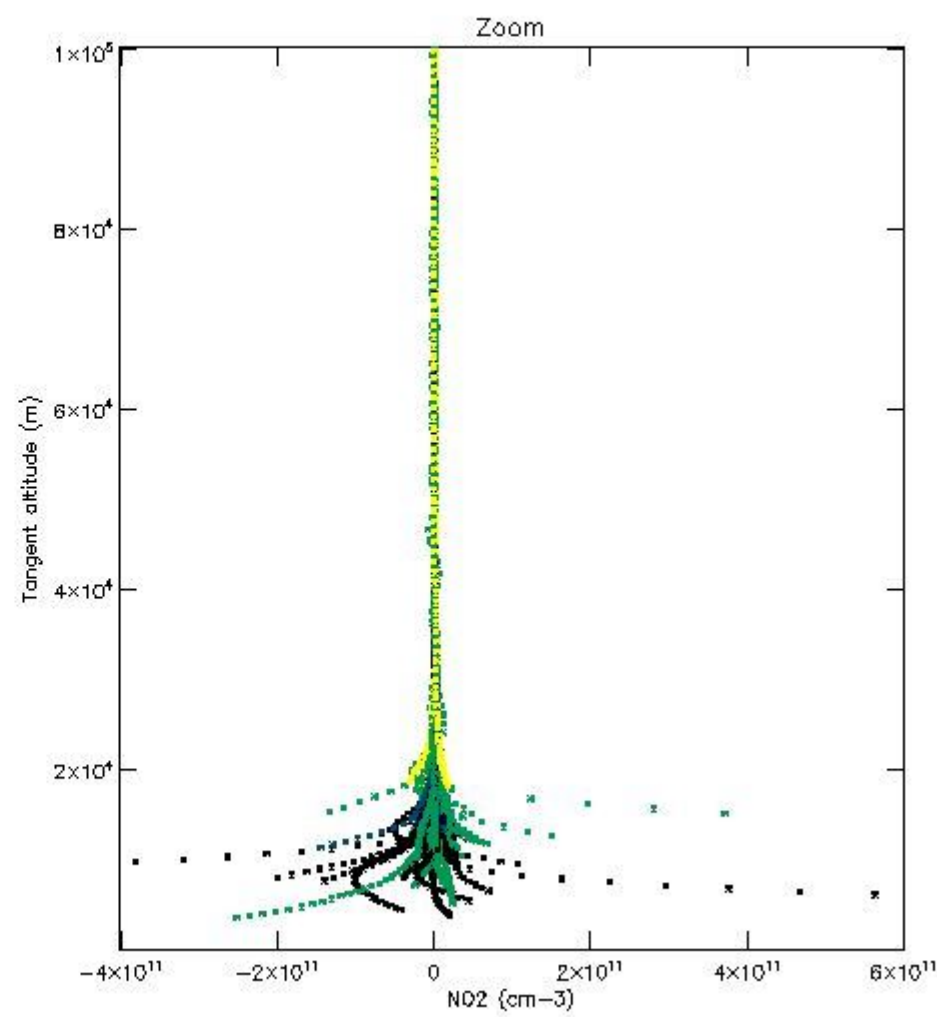
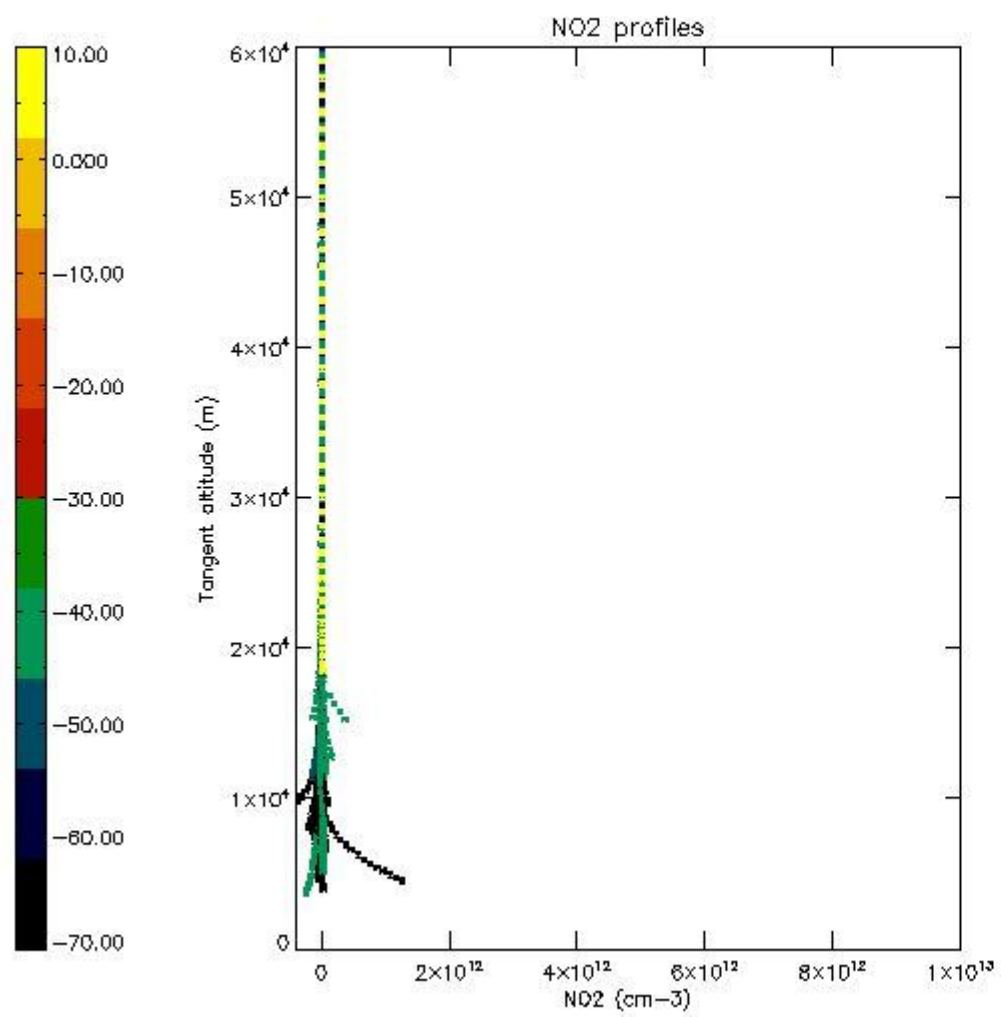
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



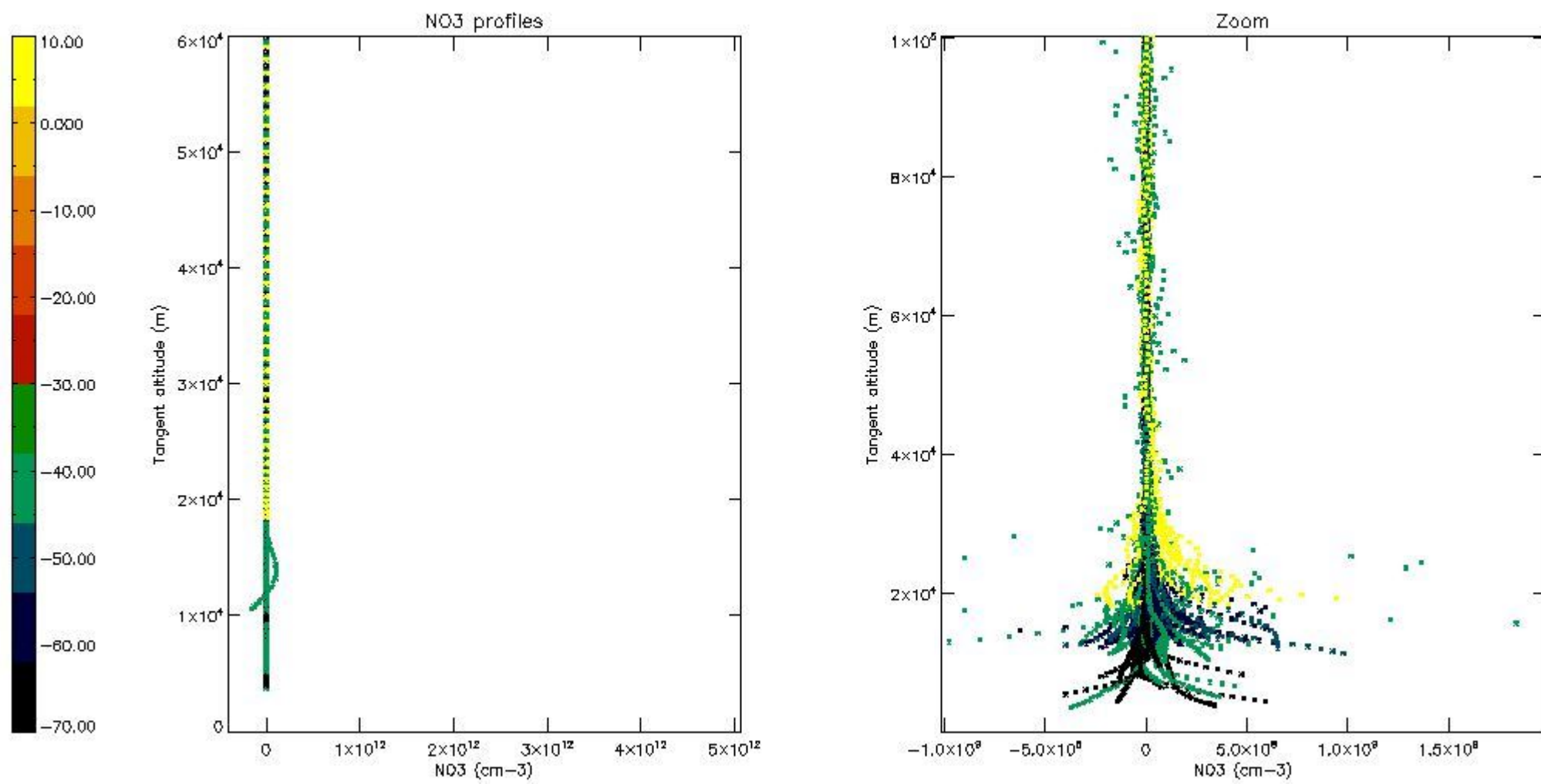
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



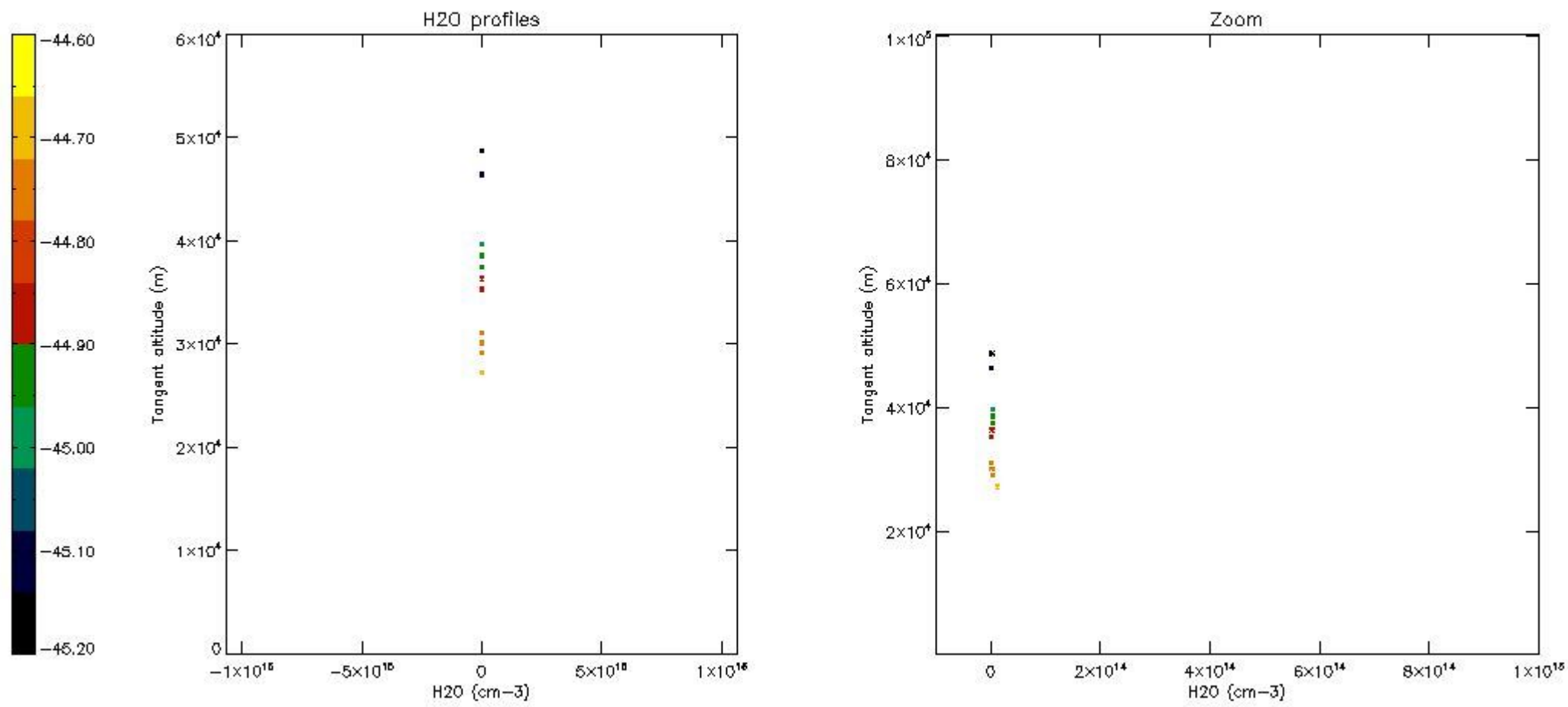
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

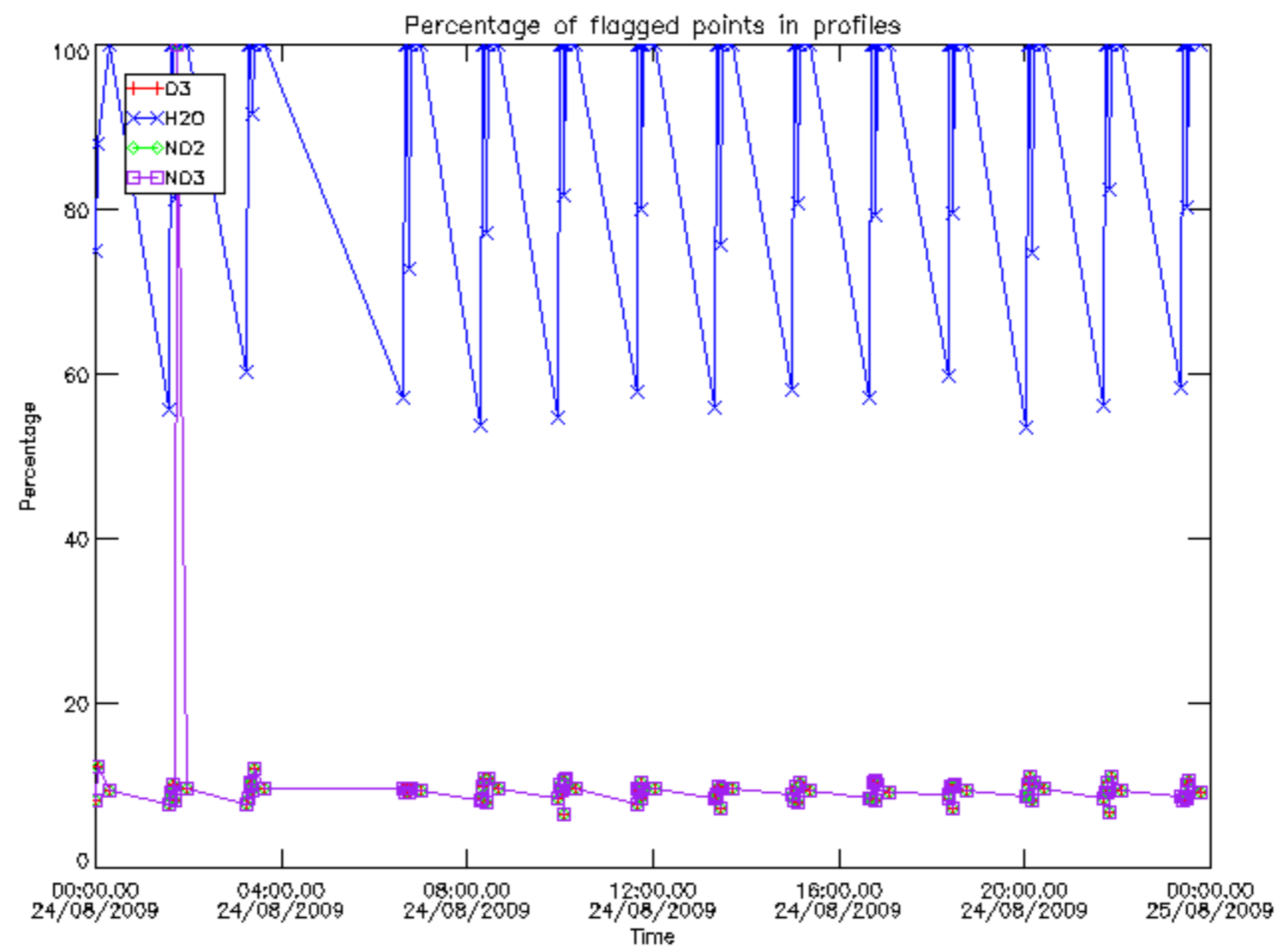
The colorbar represents the latitude.



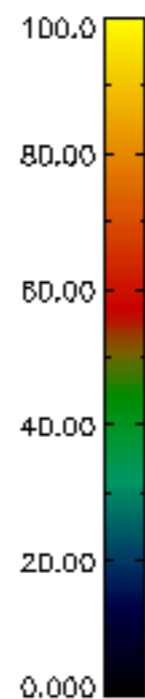
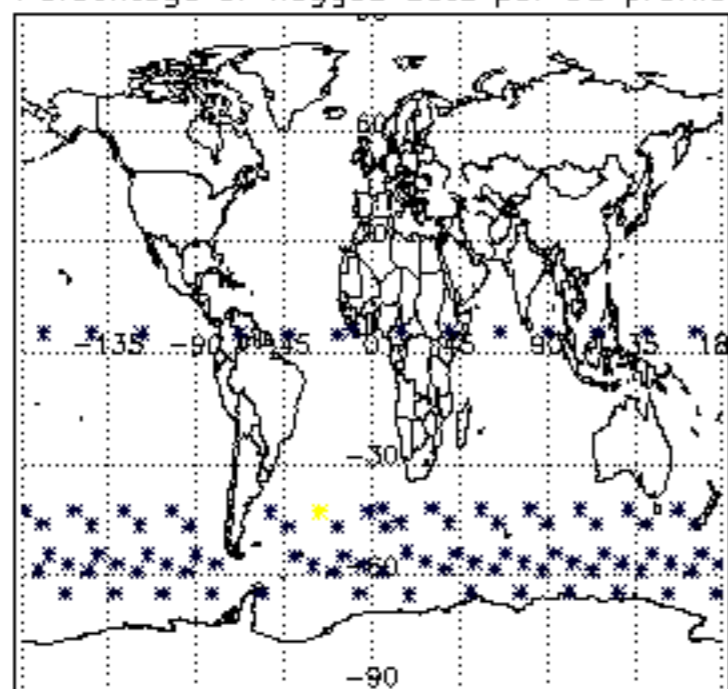
6. Auxiliary Data Files used for the production reported in section 2

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

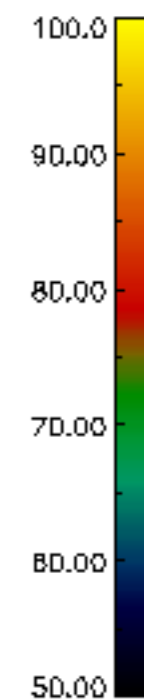
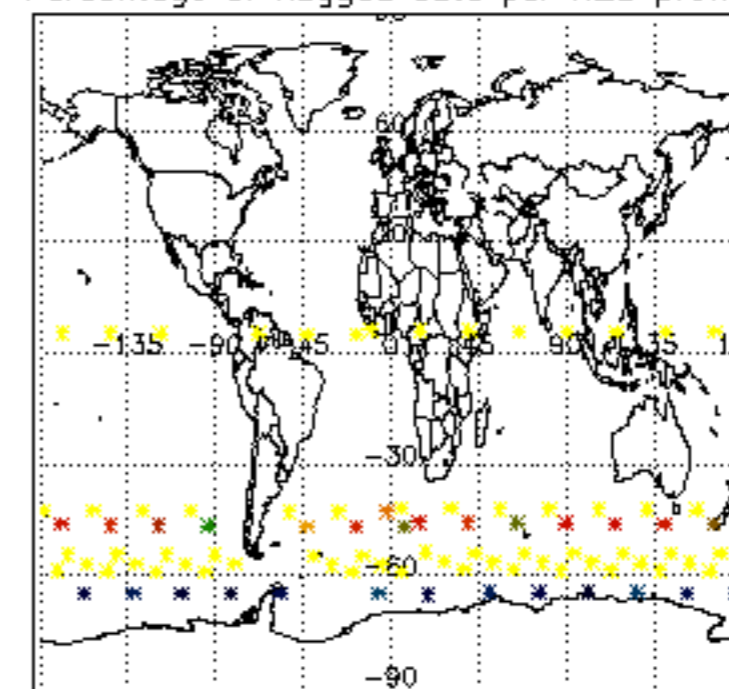
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	24-AUG-2009 00:01:14
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	24-AUG-2009 00:01:14
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	24-AUG-2009 00:01:14



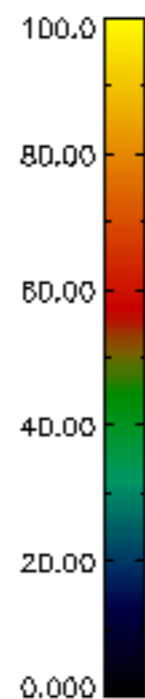
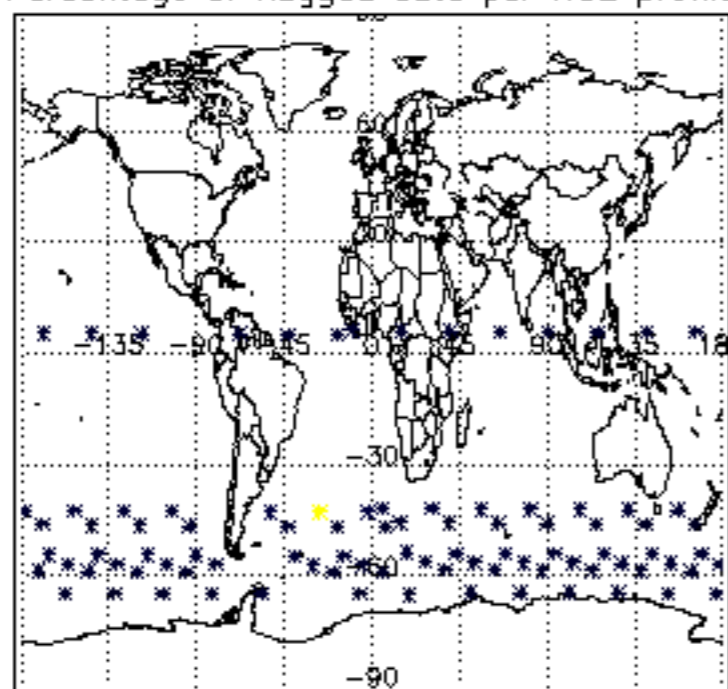
Percentage of flagged data per D3 profile



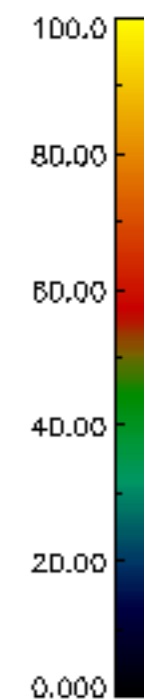
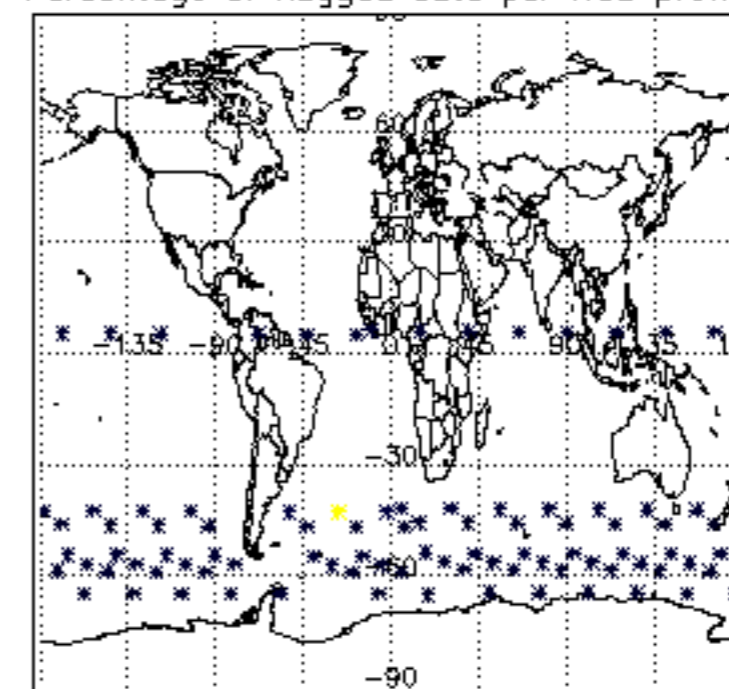
Percentage of flagged data per H2O profile

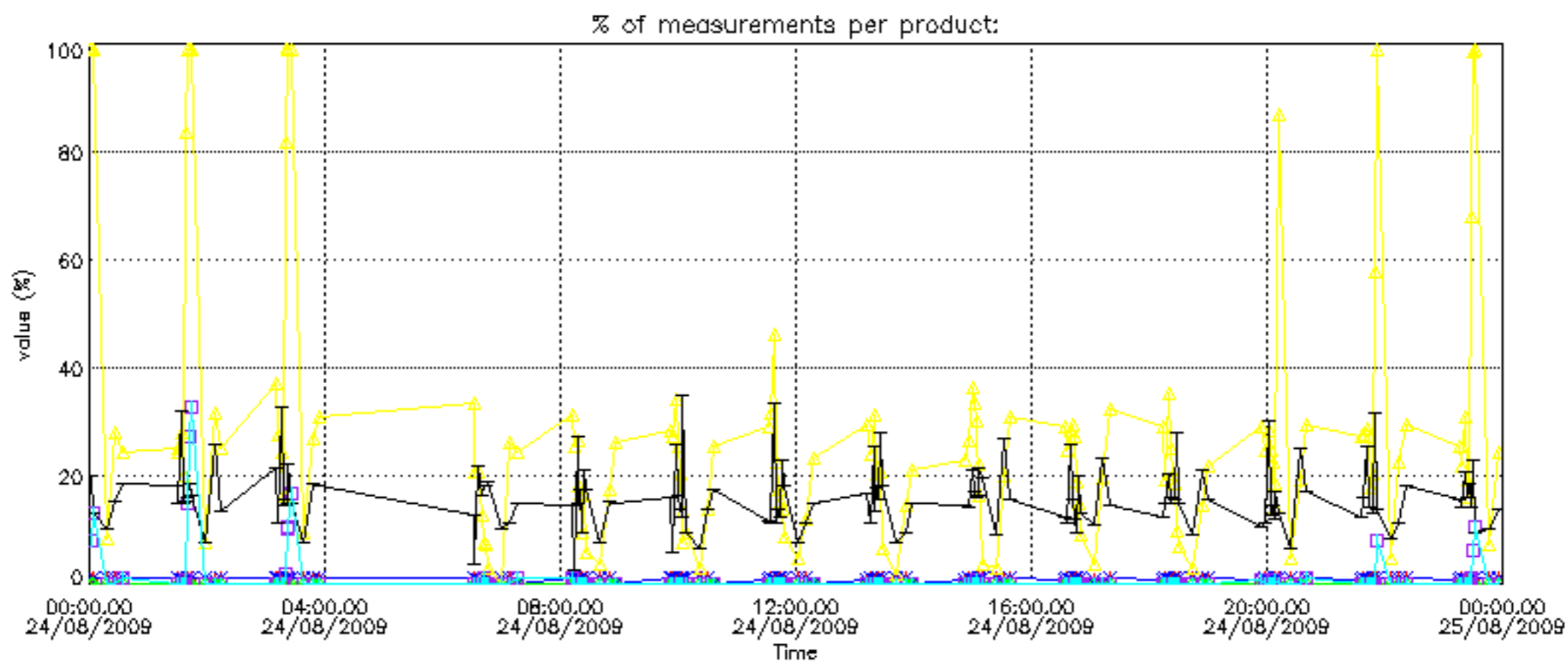


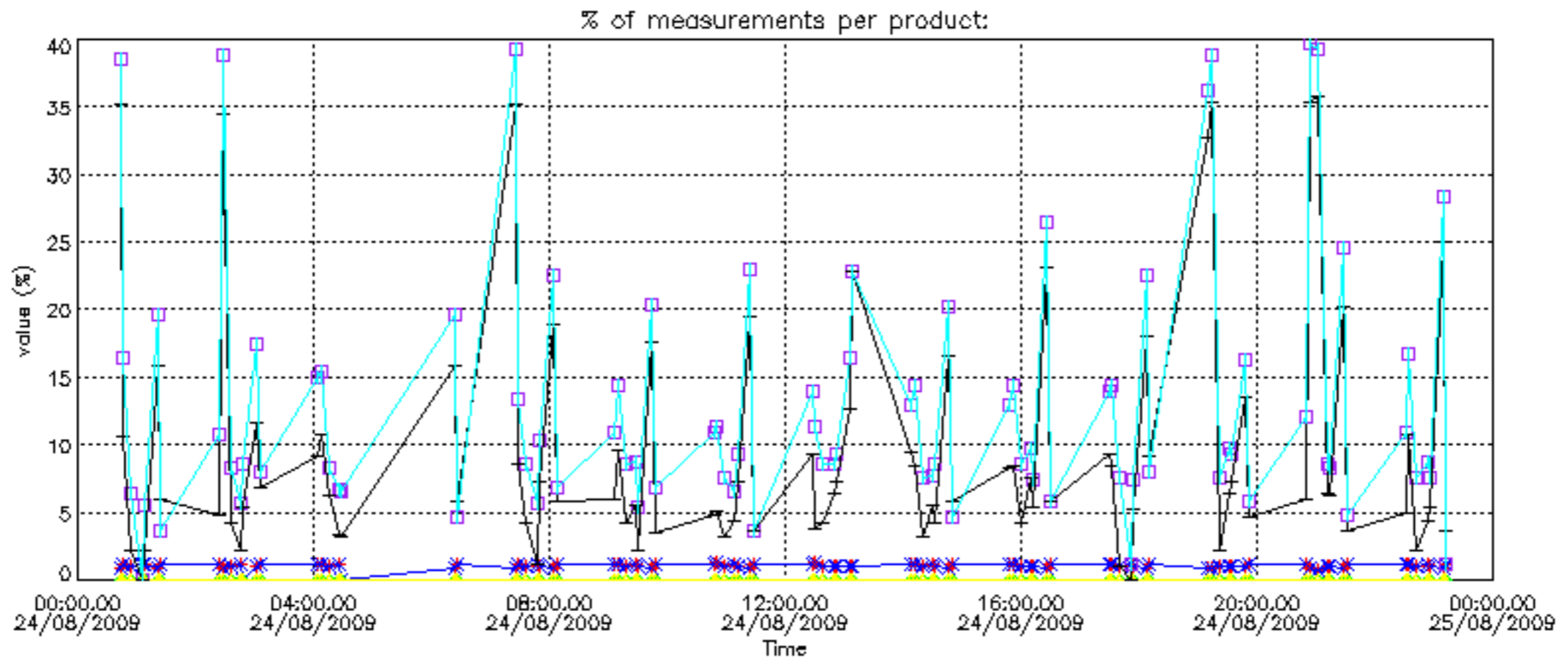
Percentage of flagged data per NO2 profile



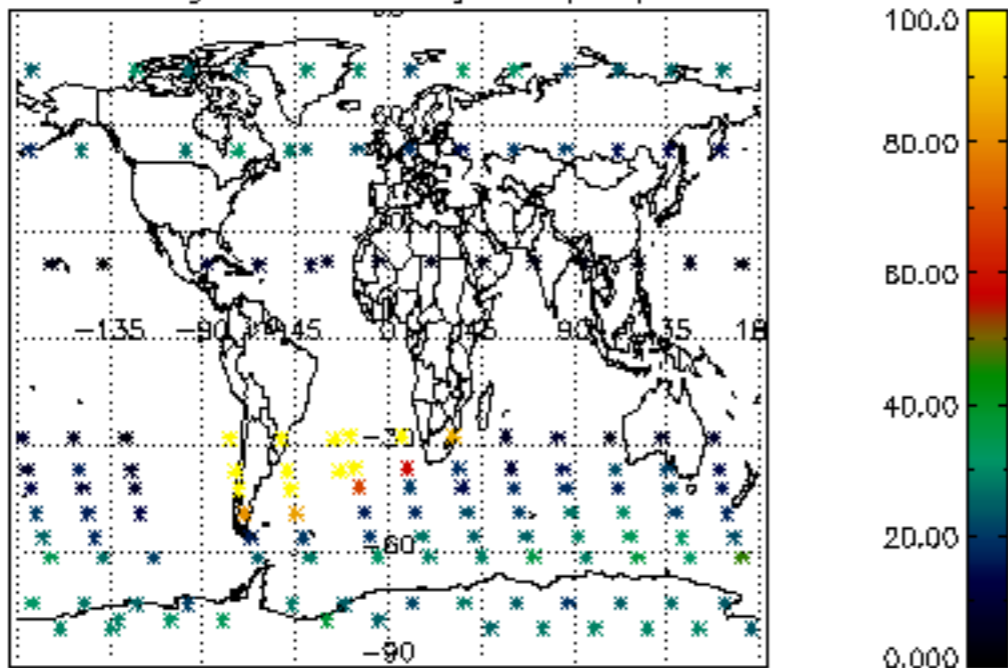
Percentage of flagged data per NO3 profile



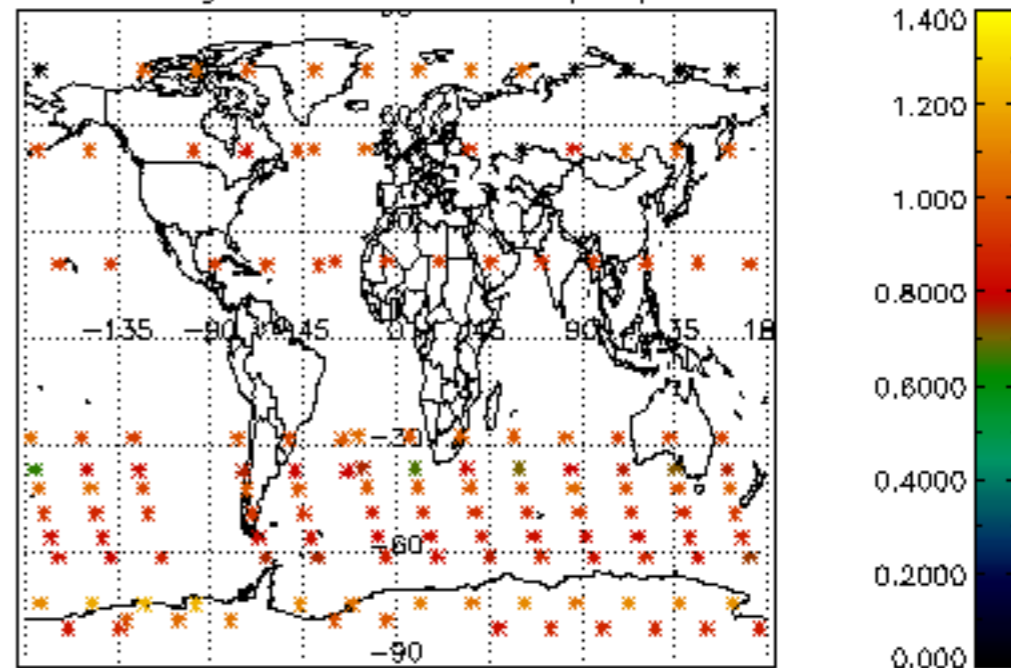




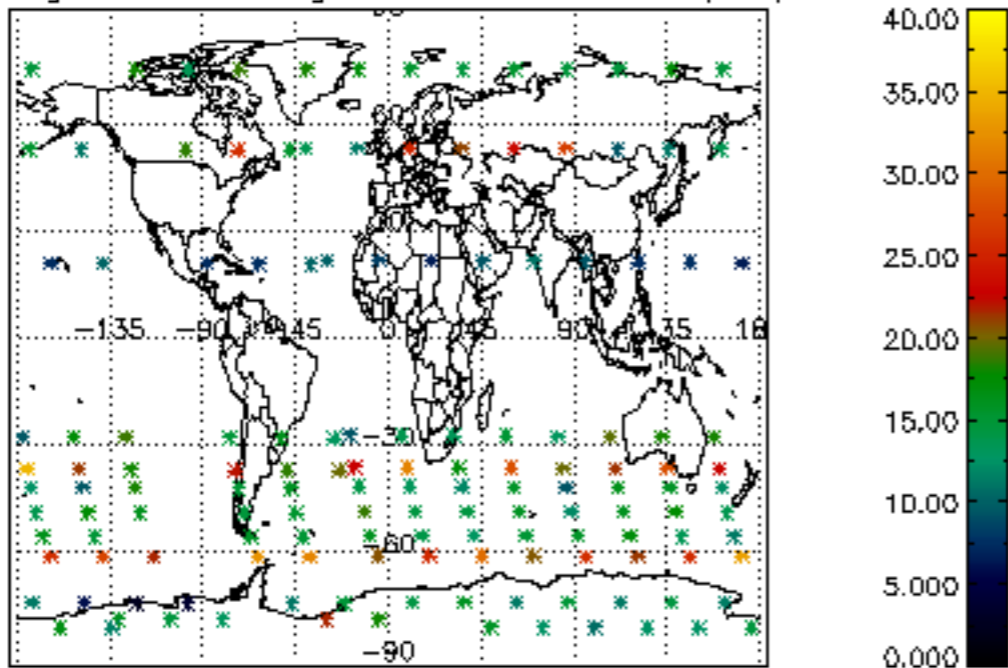
Percentage of cosmic ray hits per profile



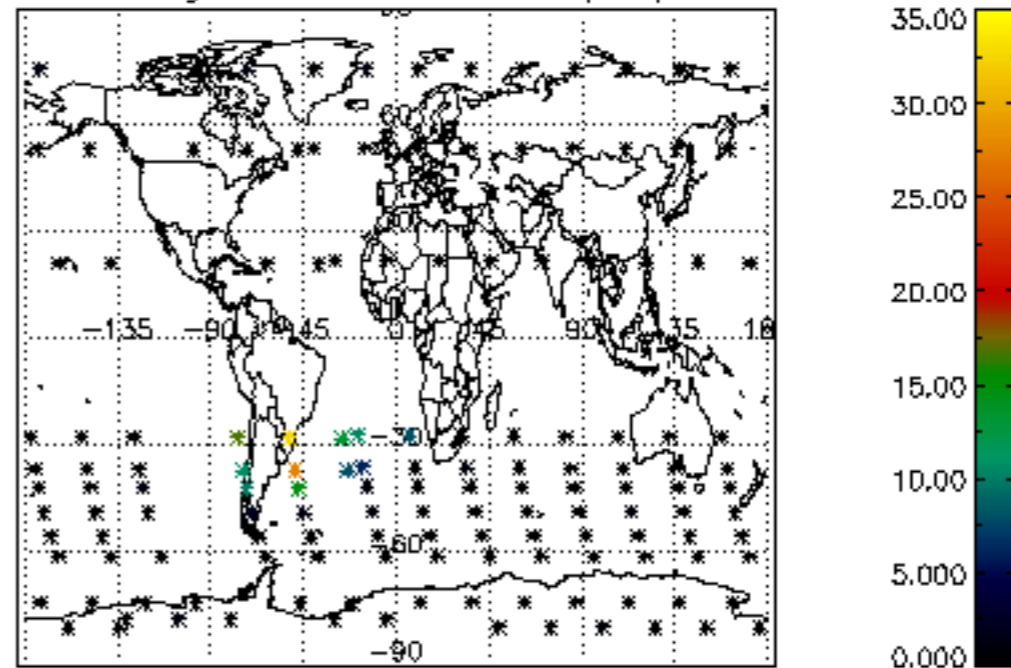
Percentage of datation errors per profile



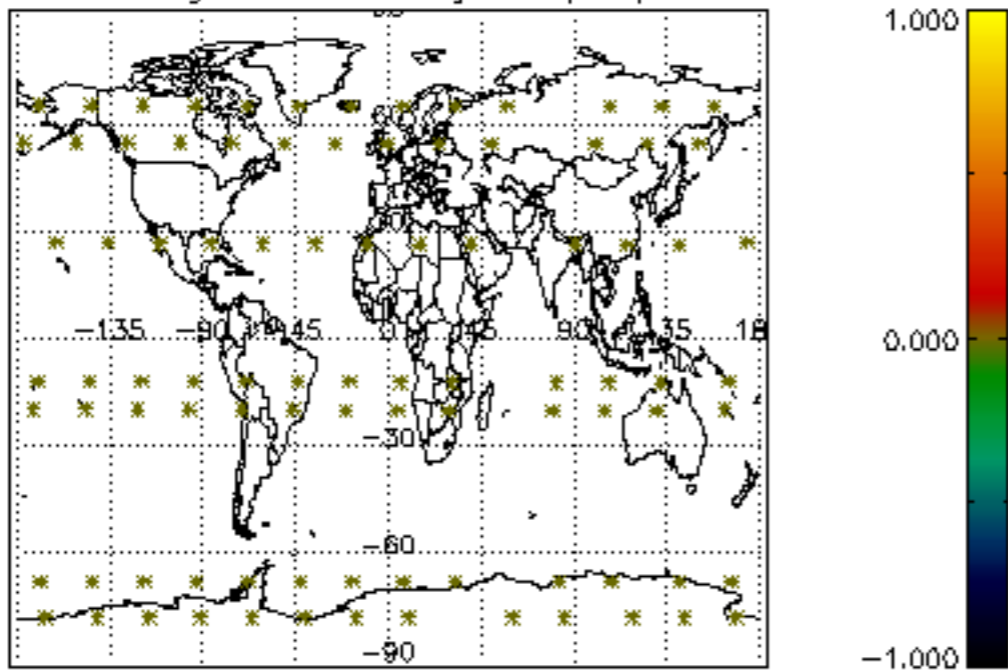
Percentage of star falling outside central band per profile



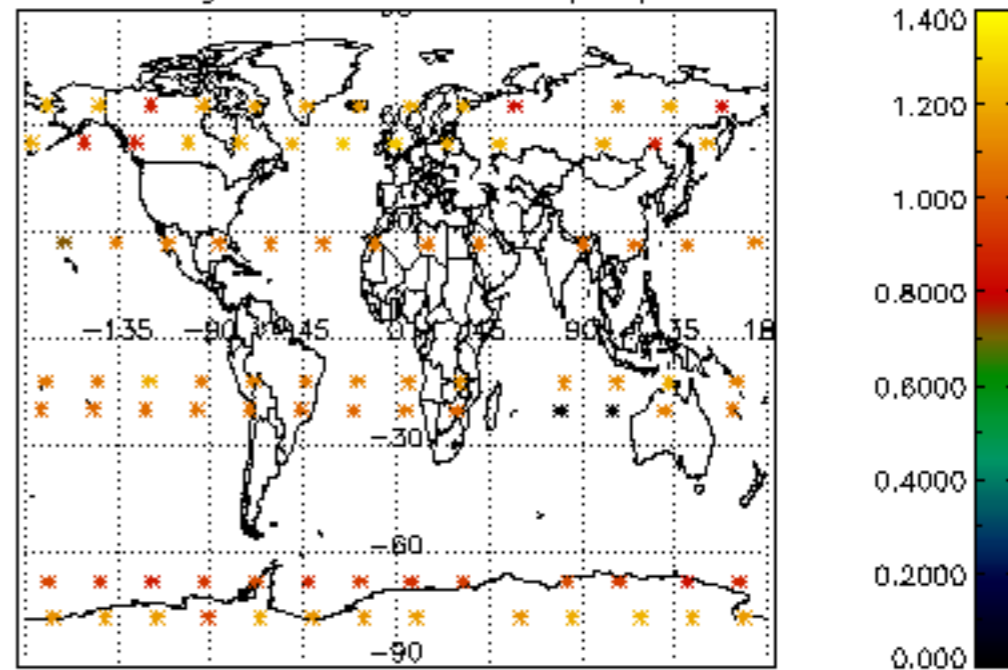
Percentage of saturation errors per profile



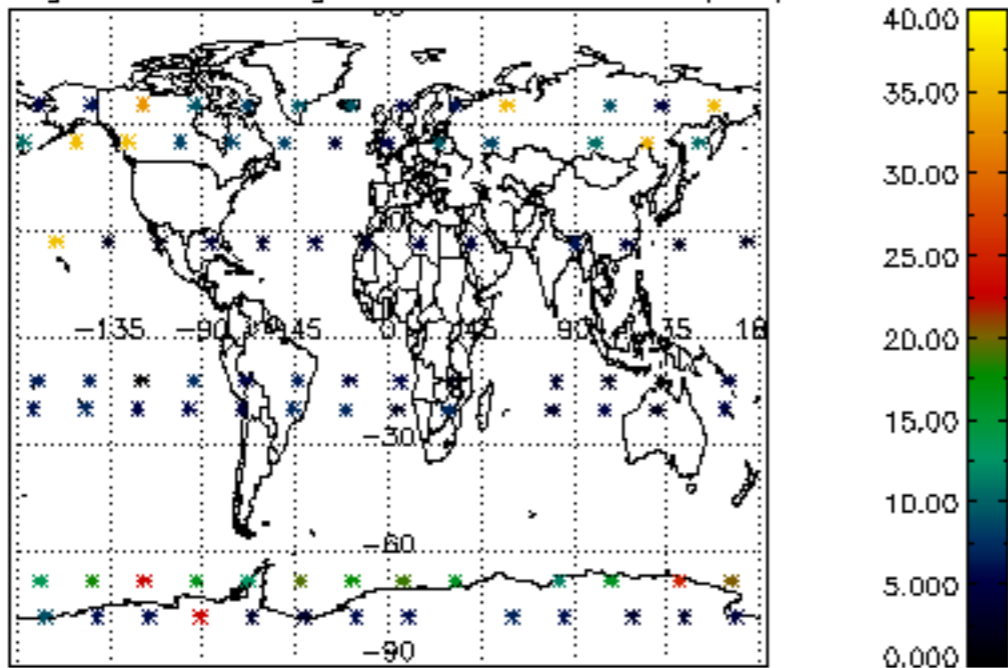
Percentage of cosmic ray hits per profile



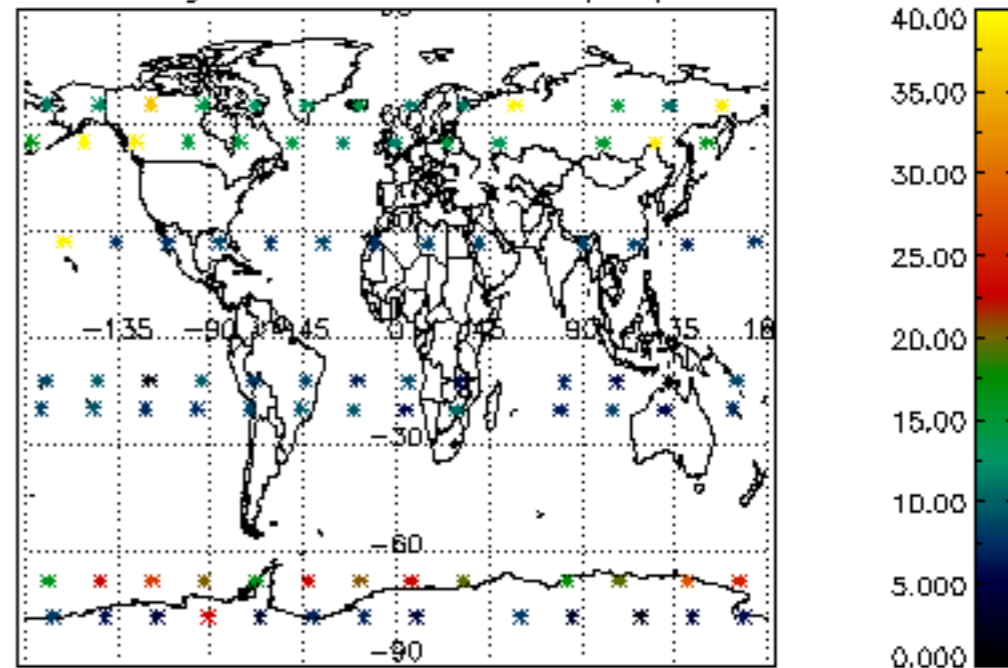
Percentage of datation errors per profile

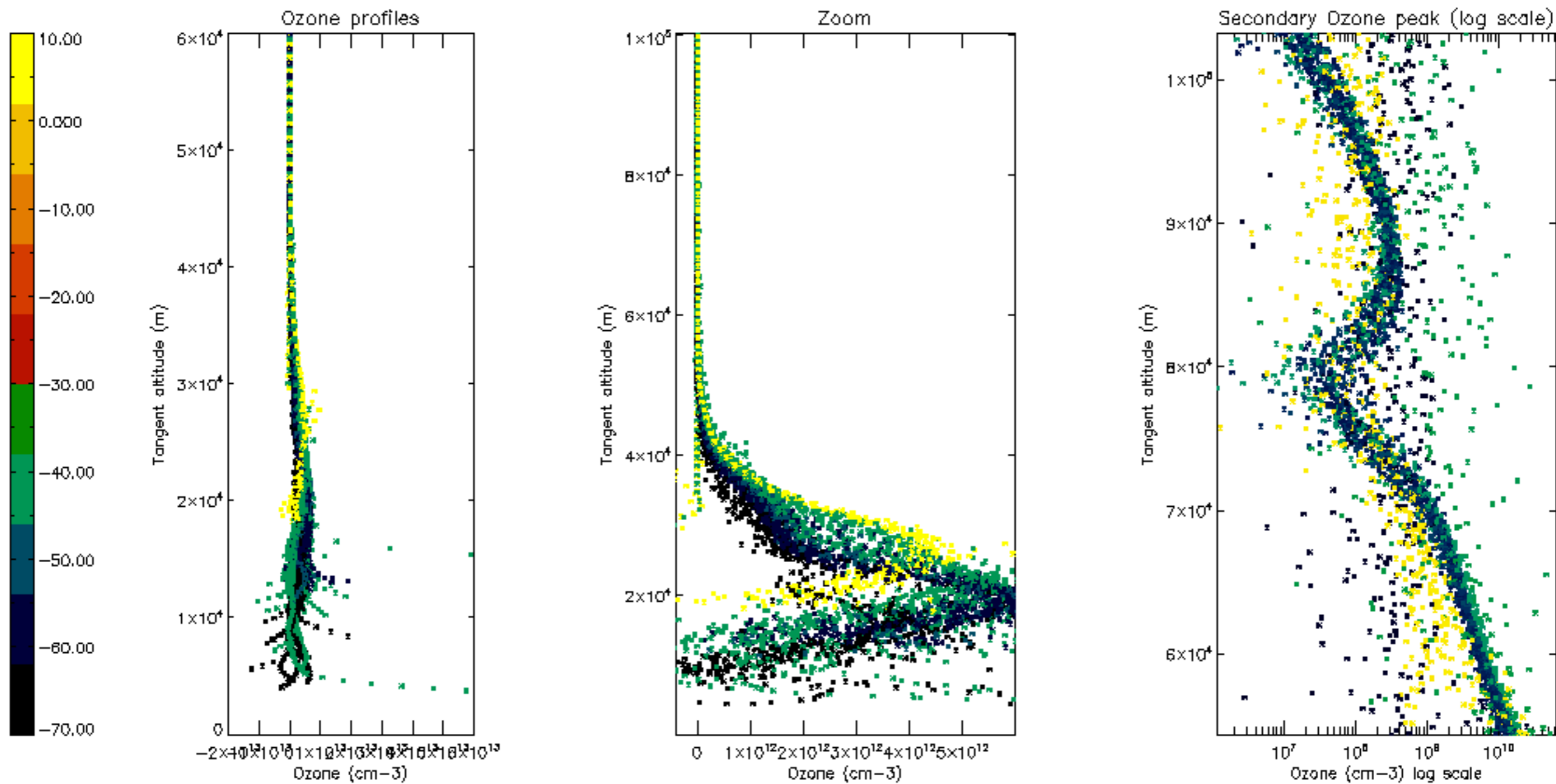


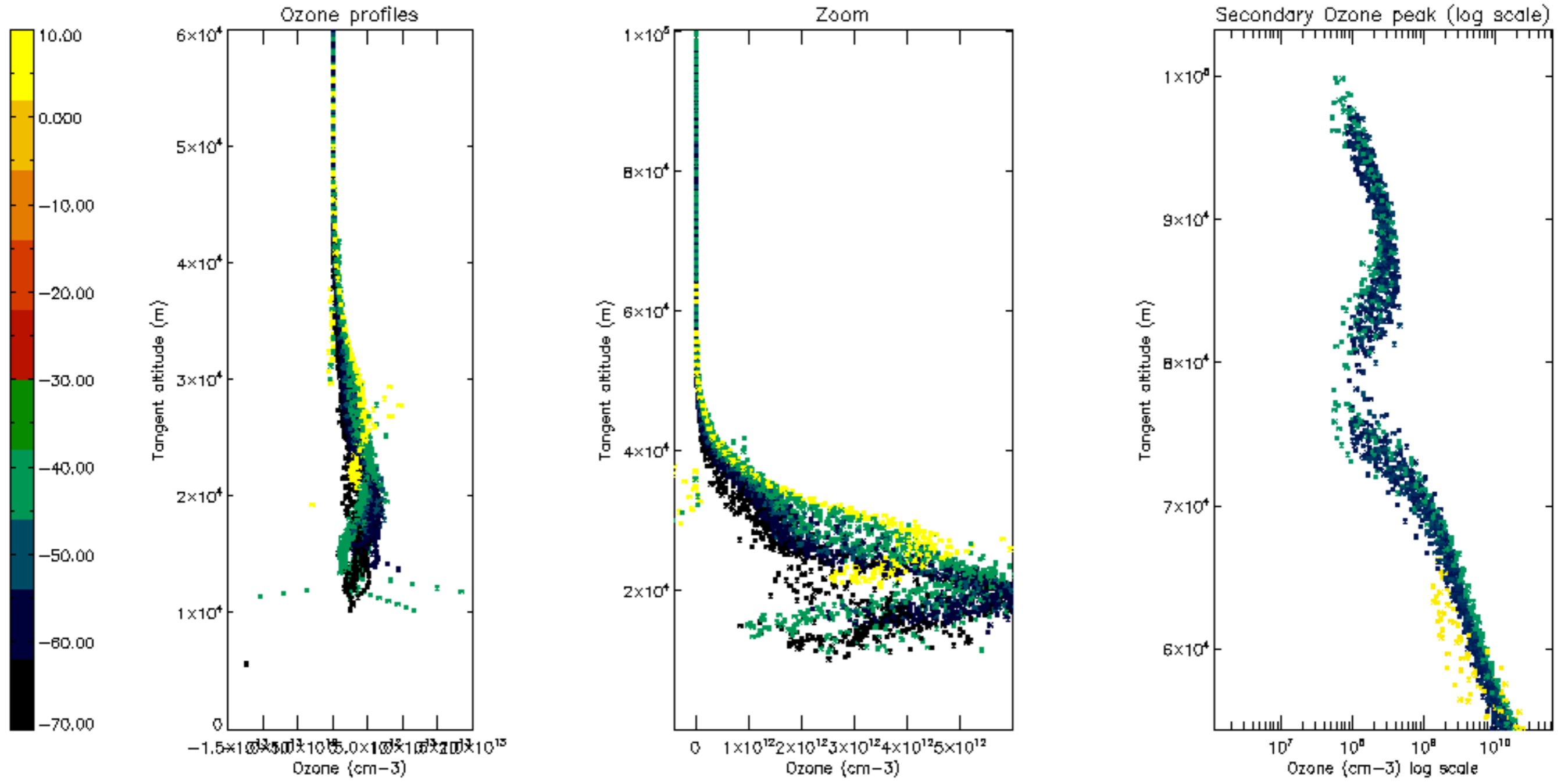
Percentage of star falling outside central band per profile

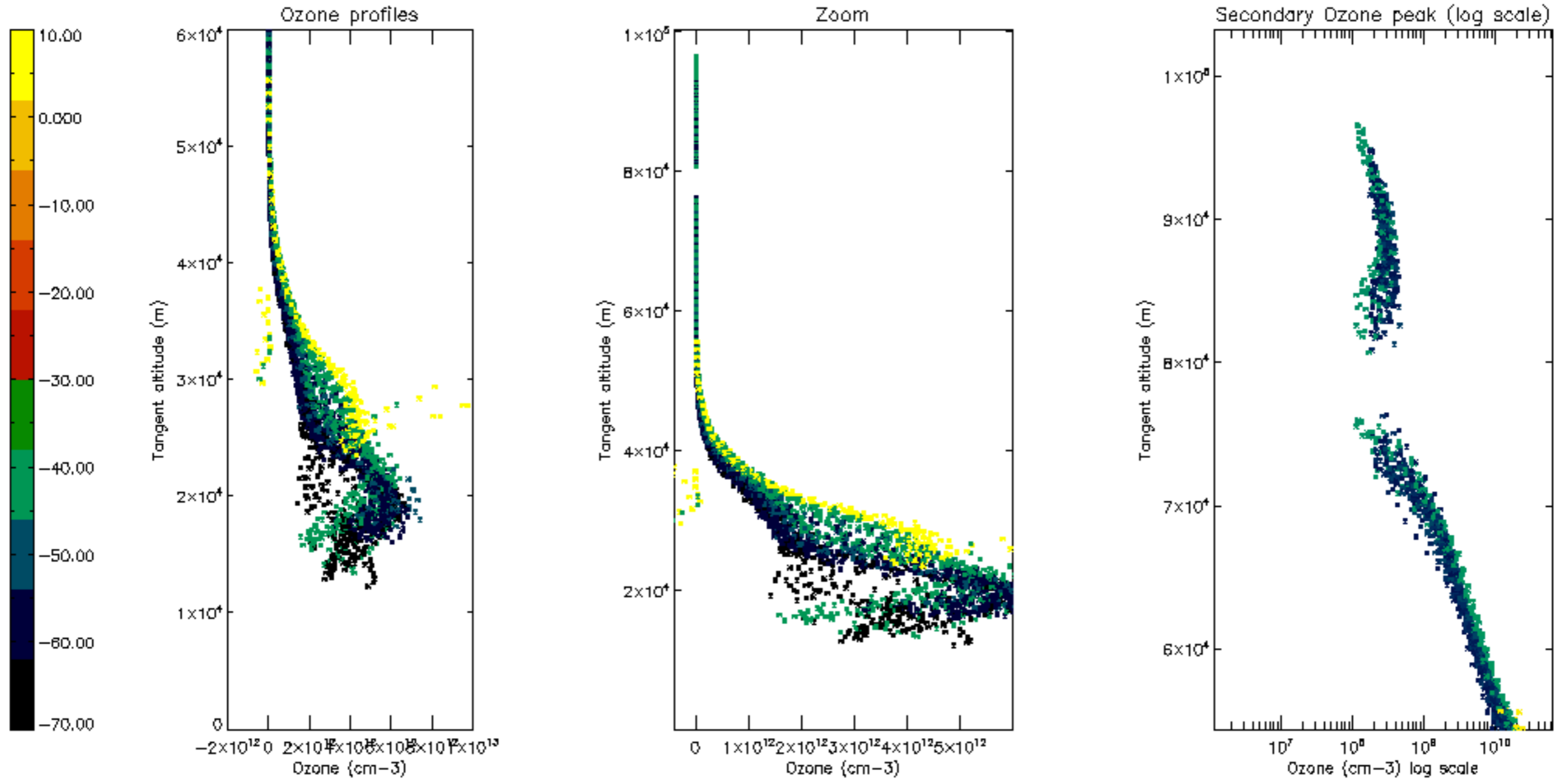


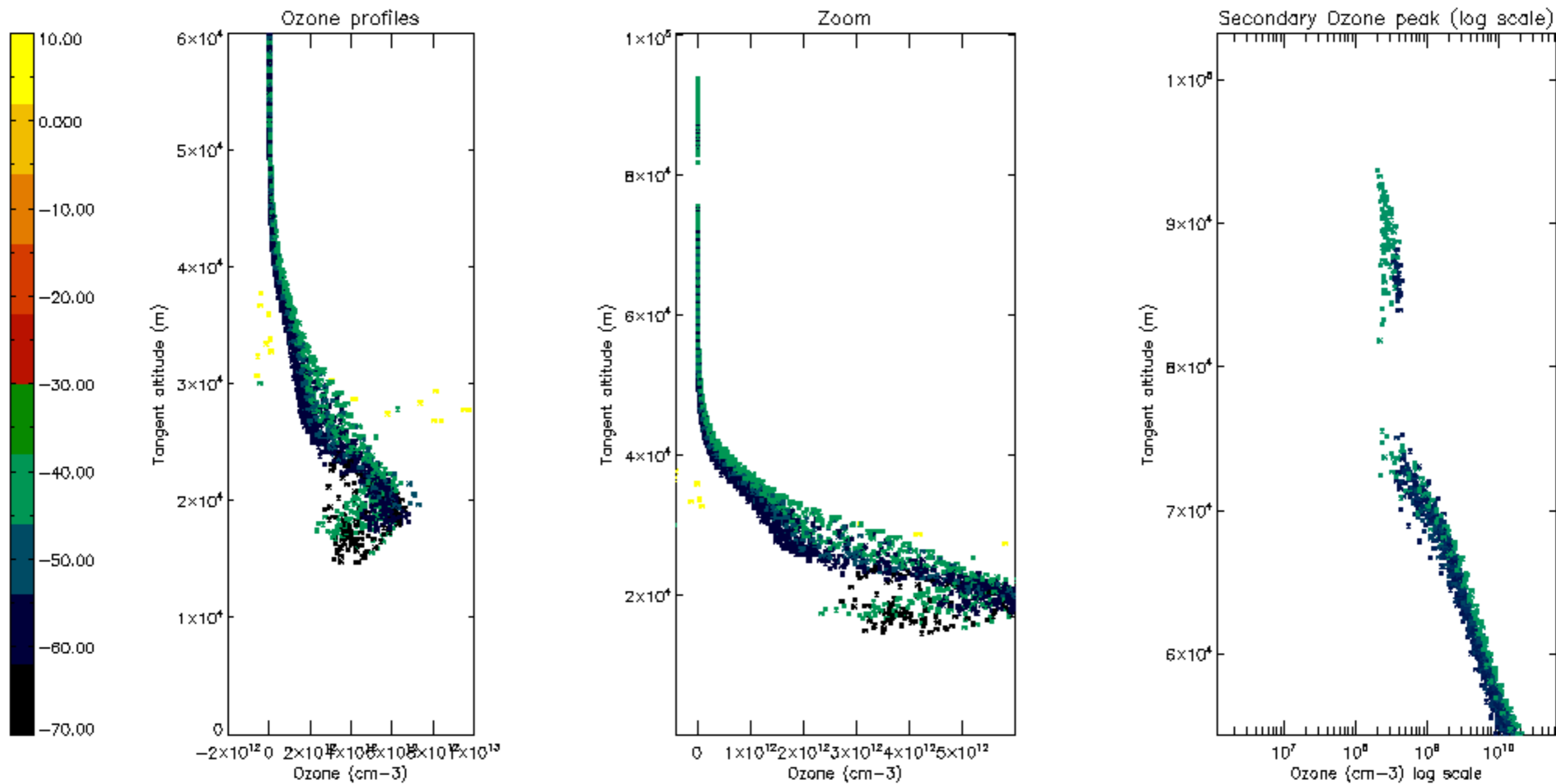
Percentage of saturation errors per profile

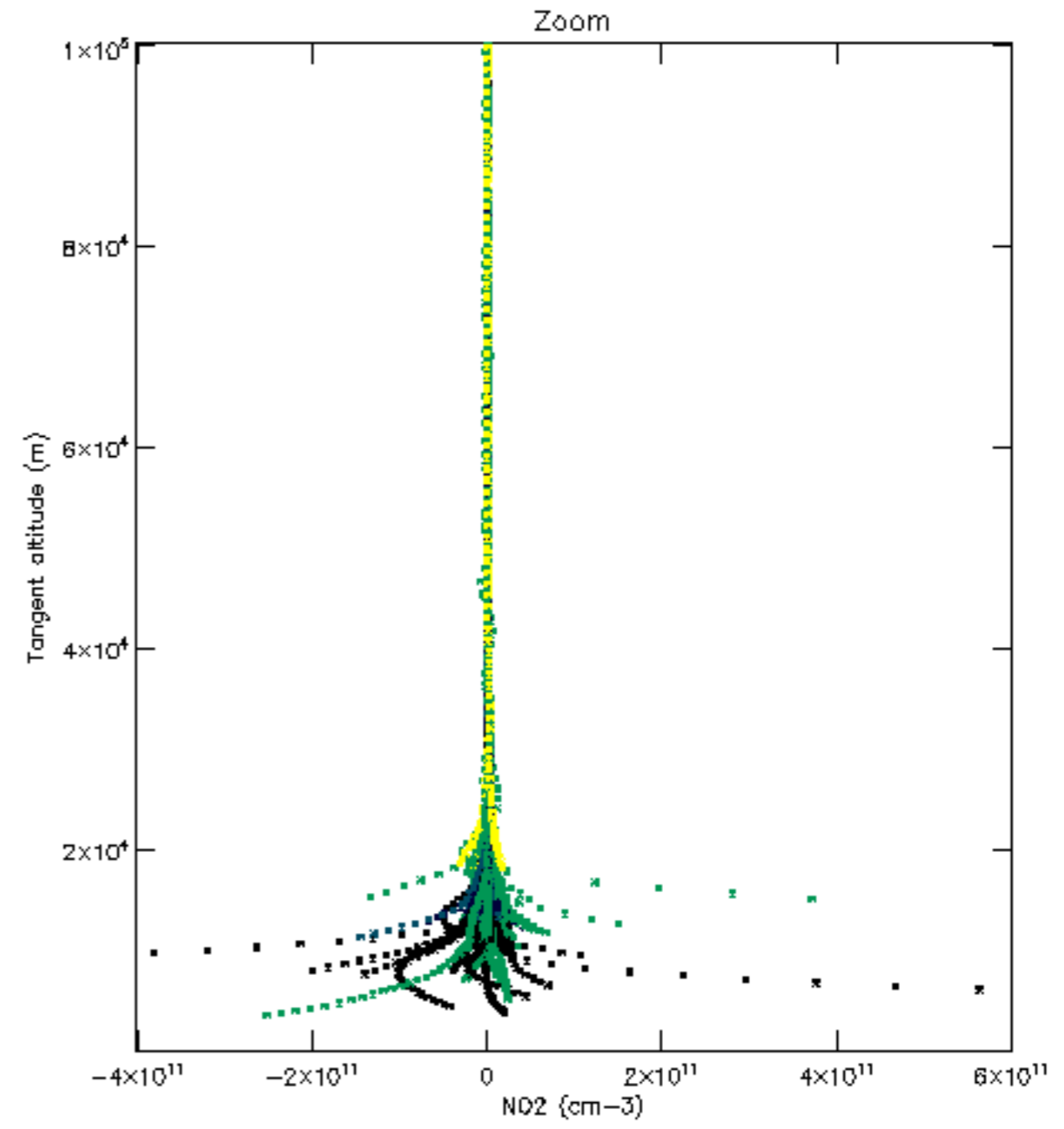
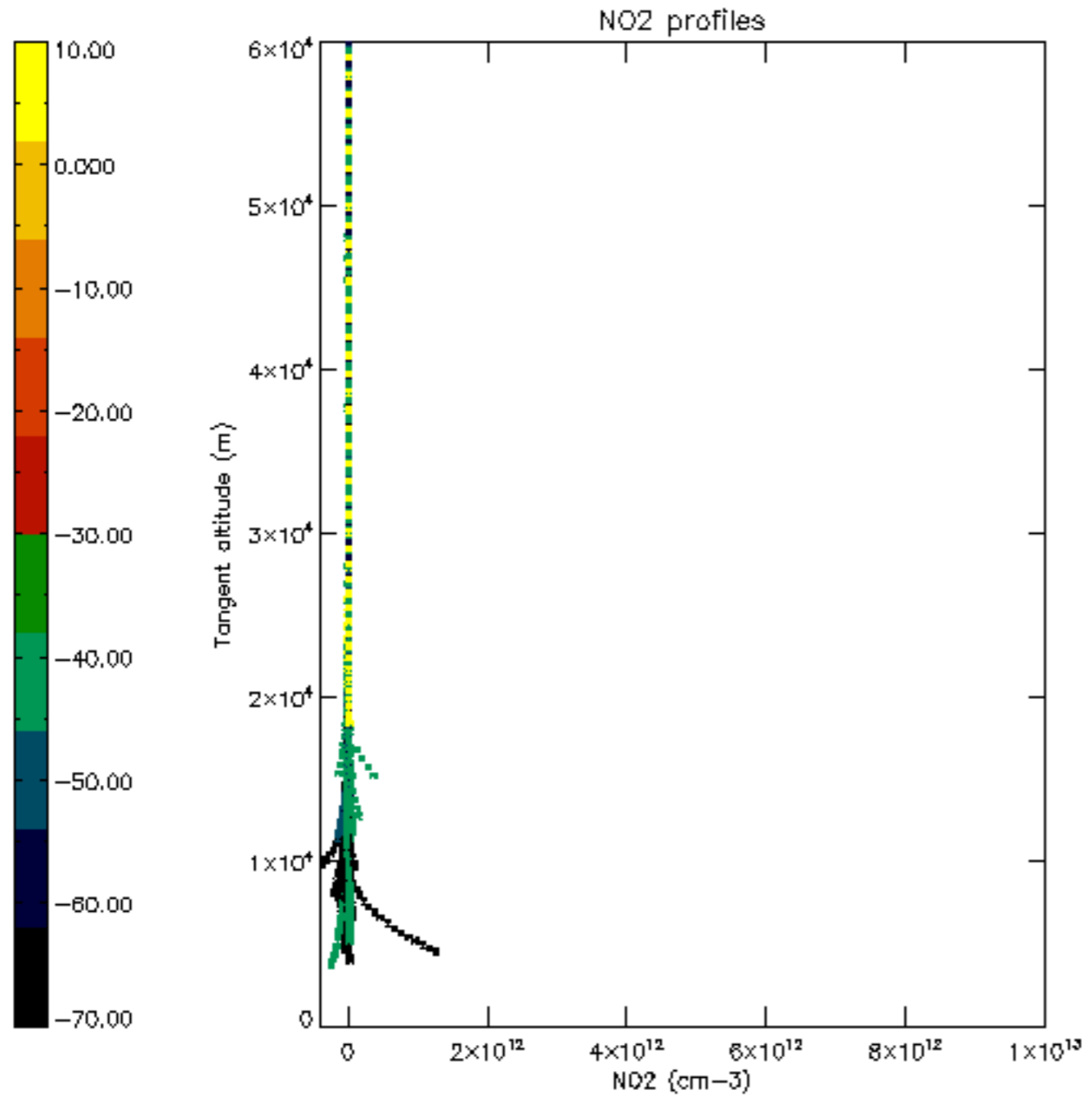


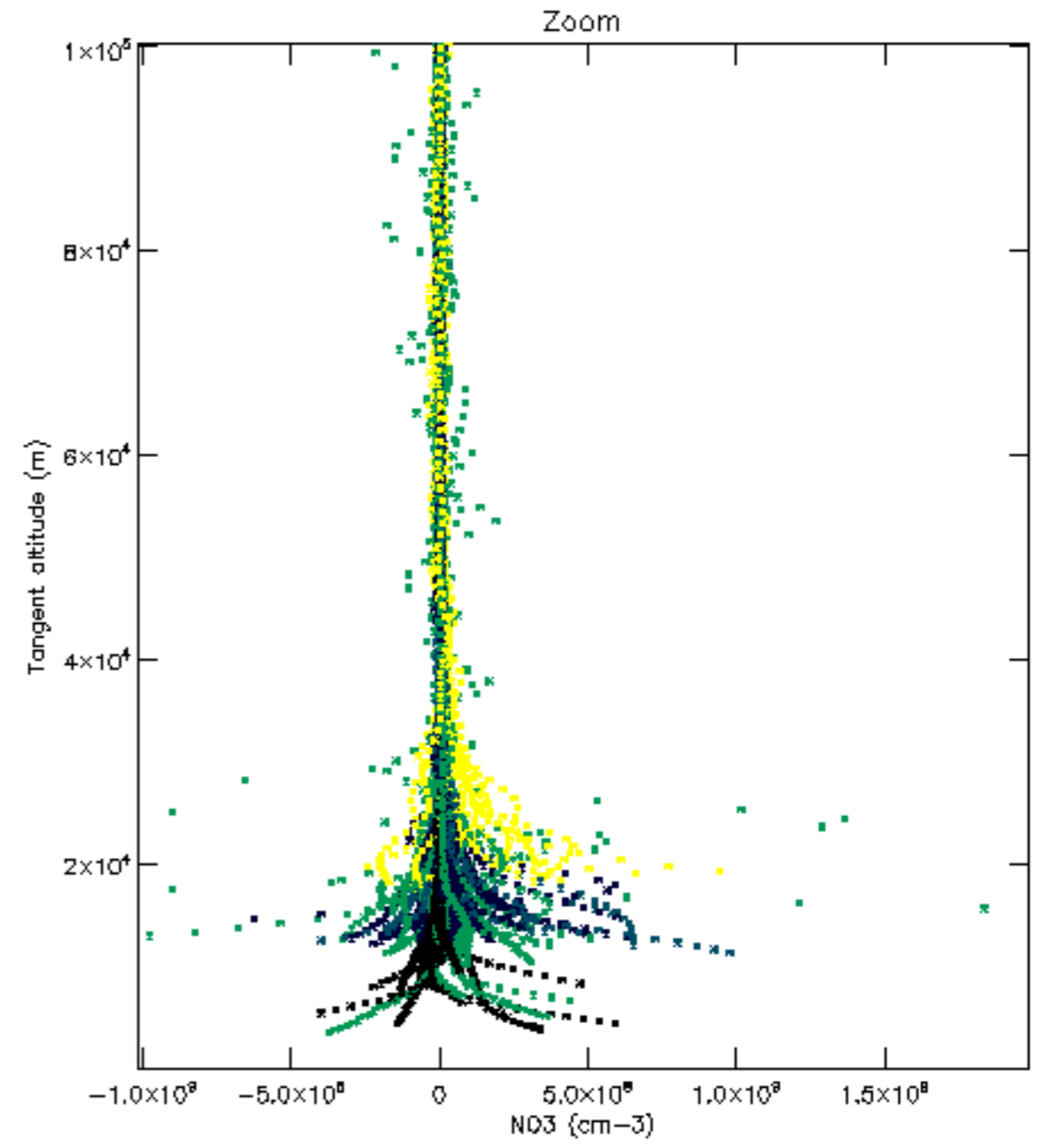
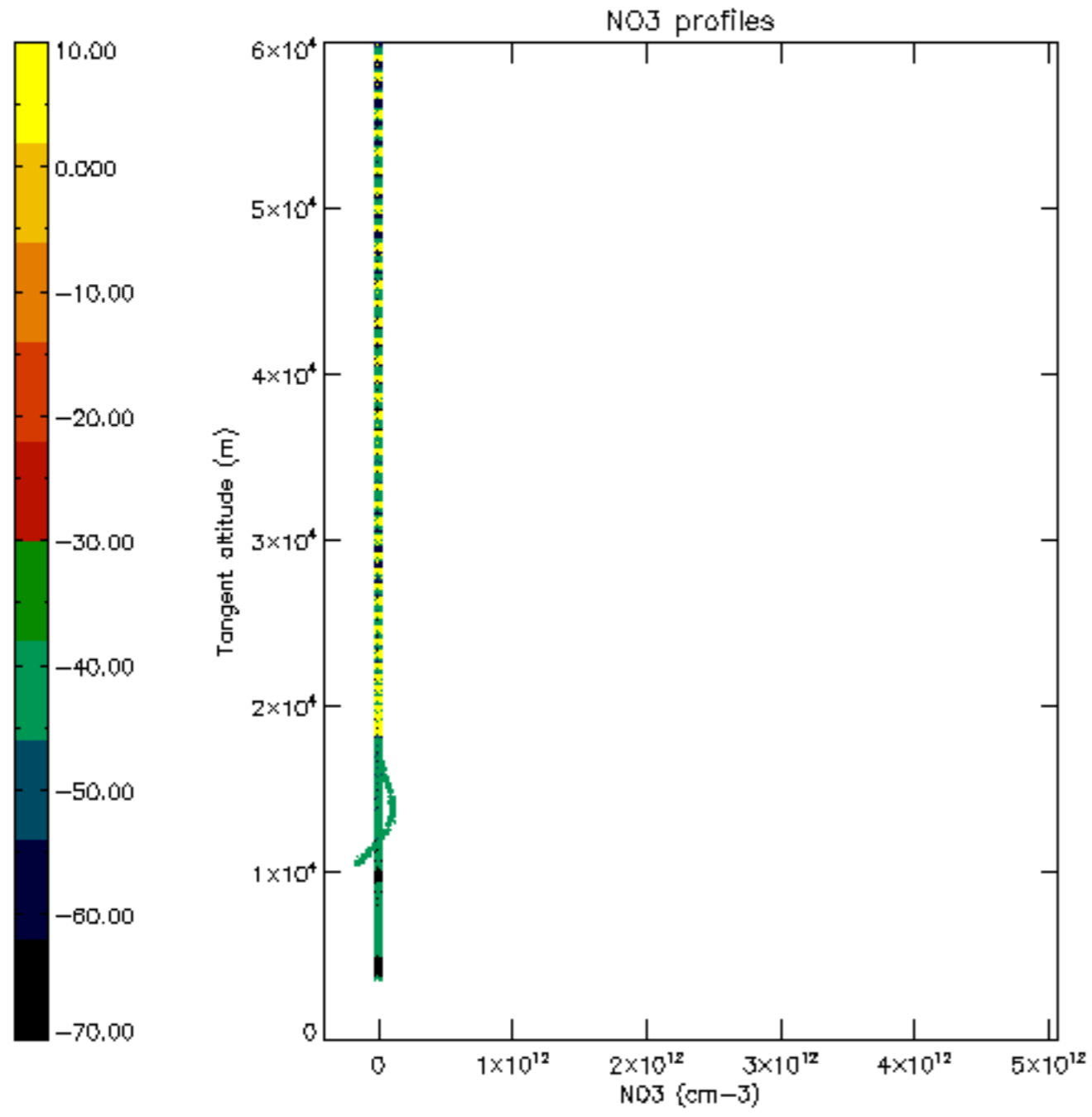


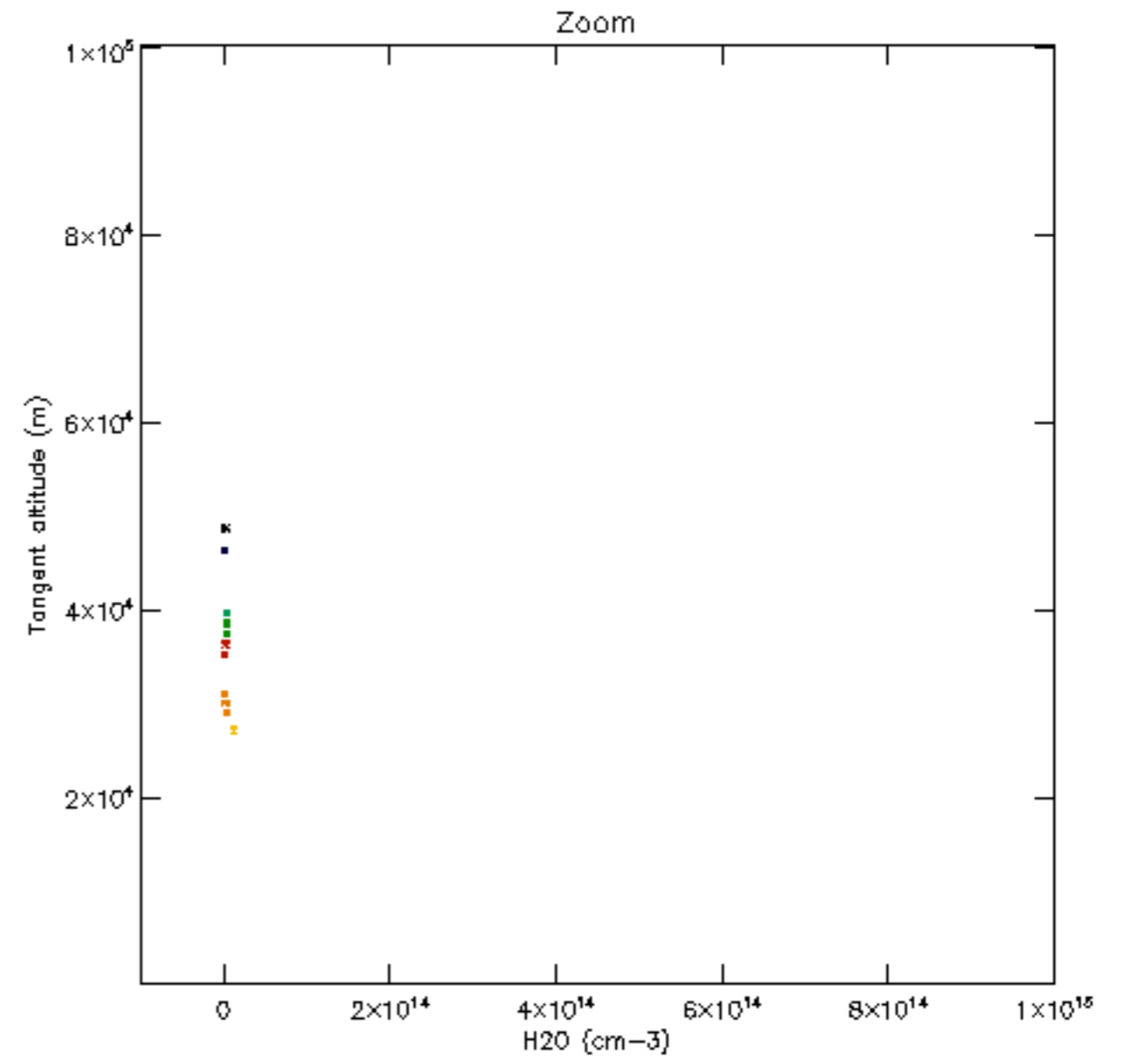
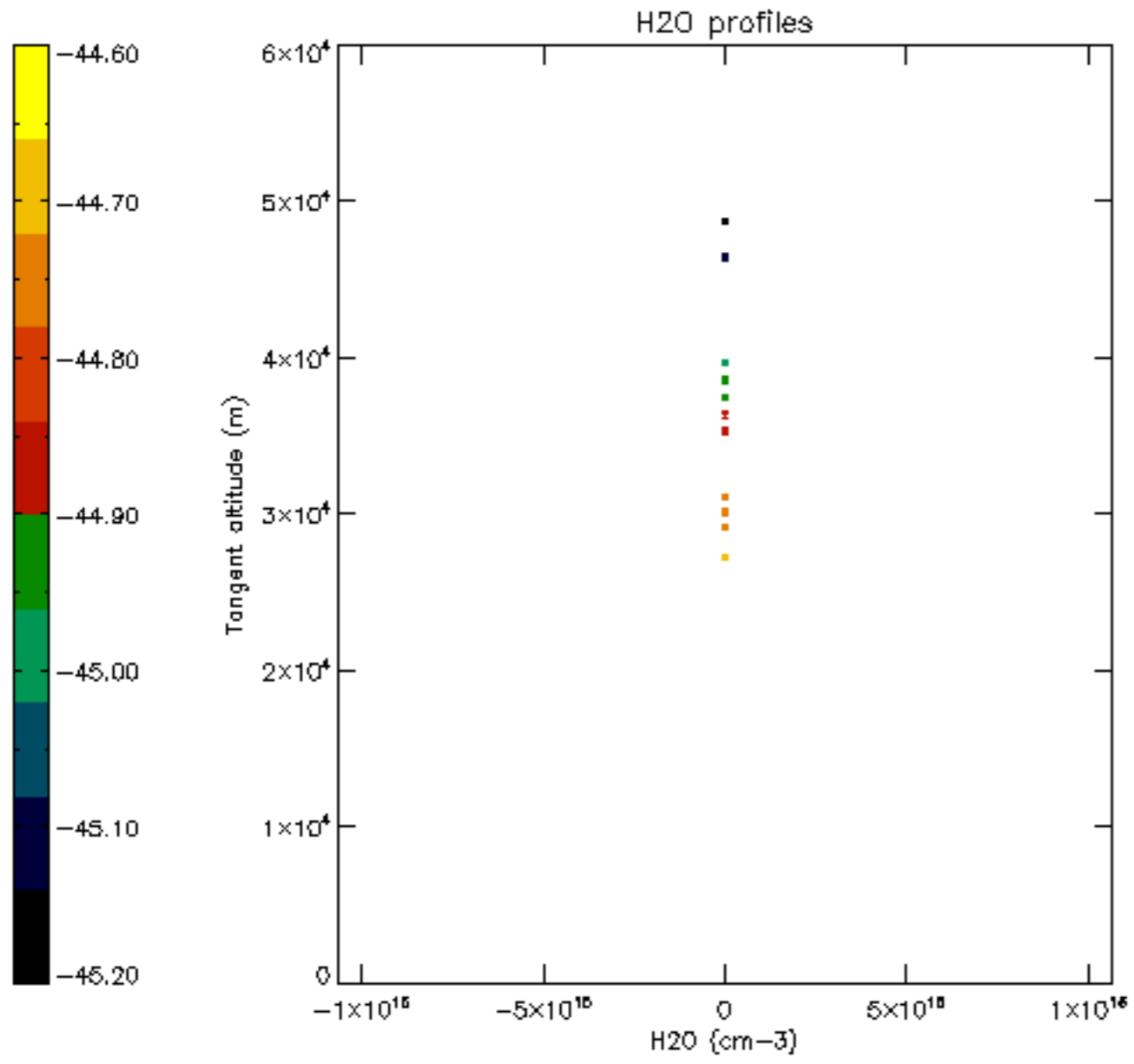


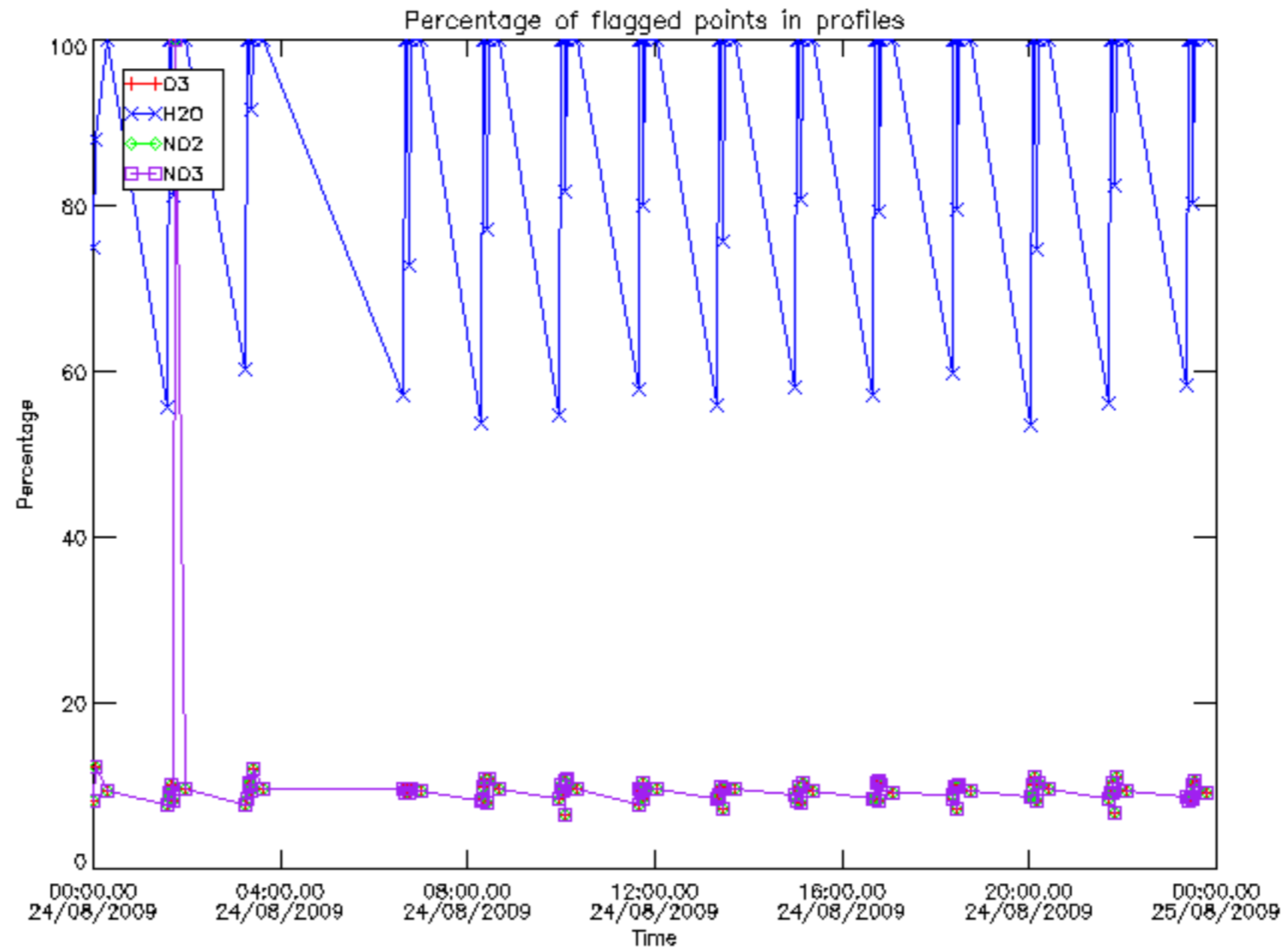




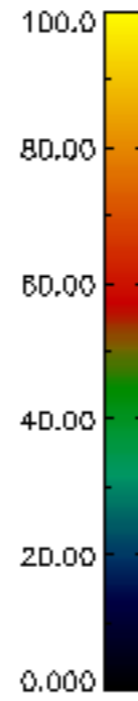
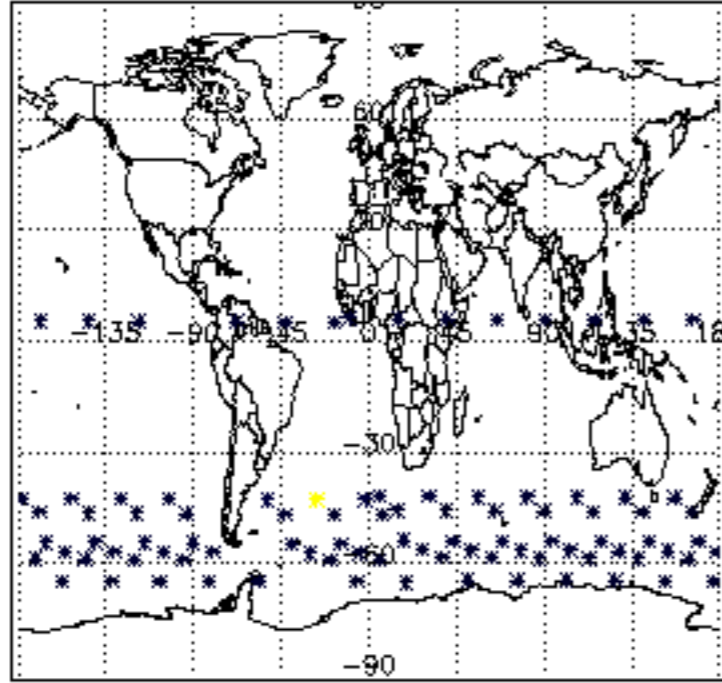




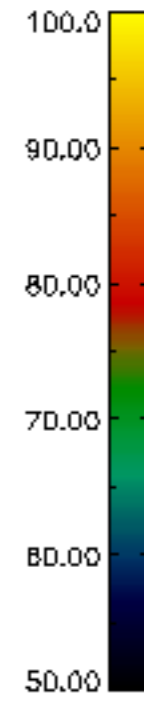
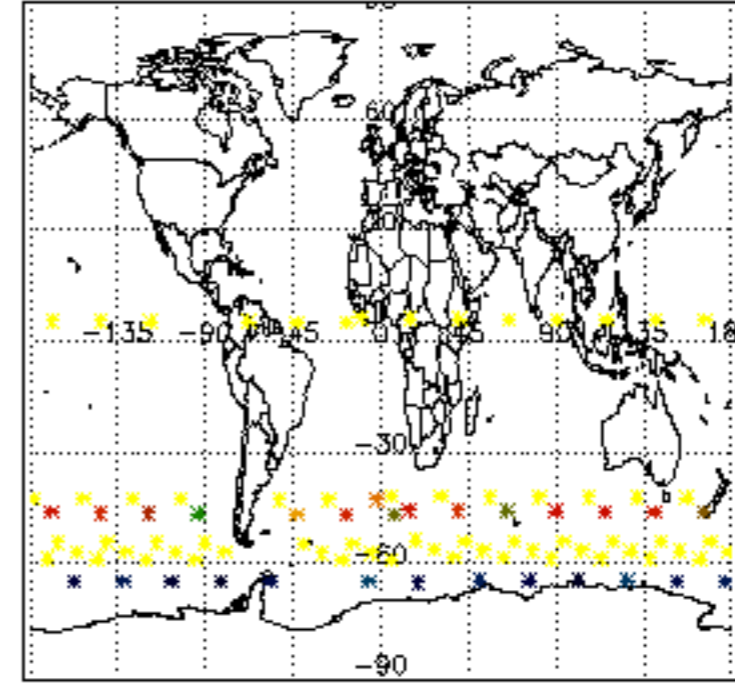




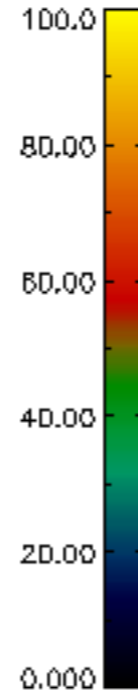
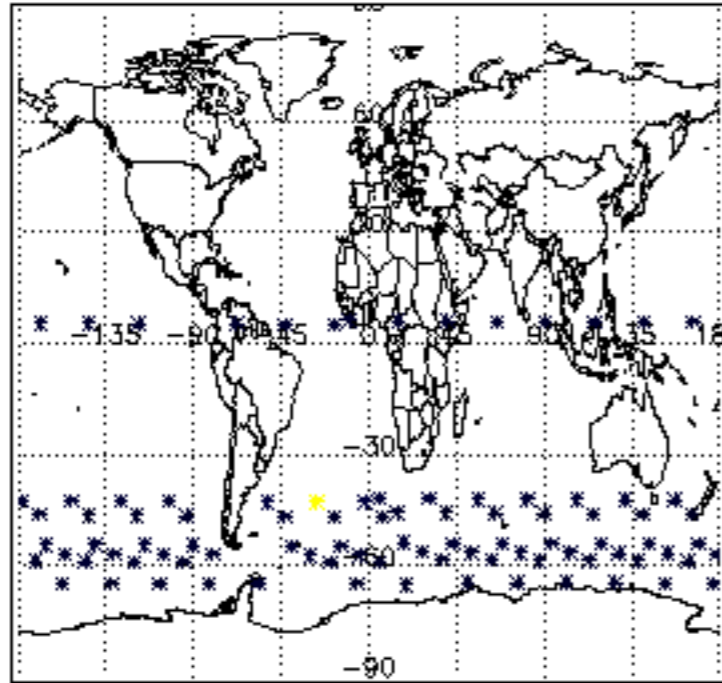
Percentage of flagged data per D3 profile



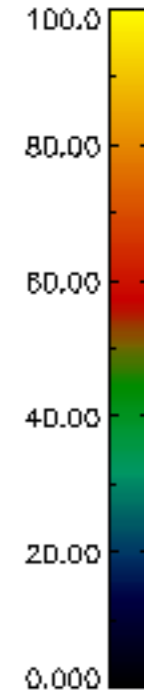
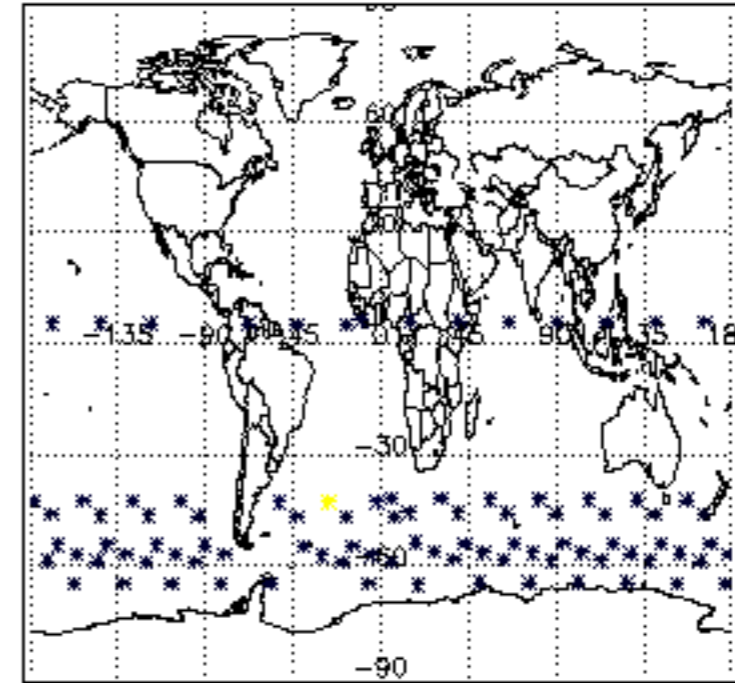
Percentage of flagged data per H2O profile

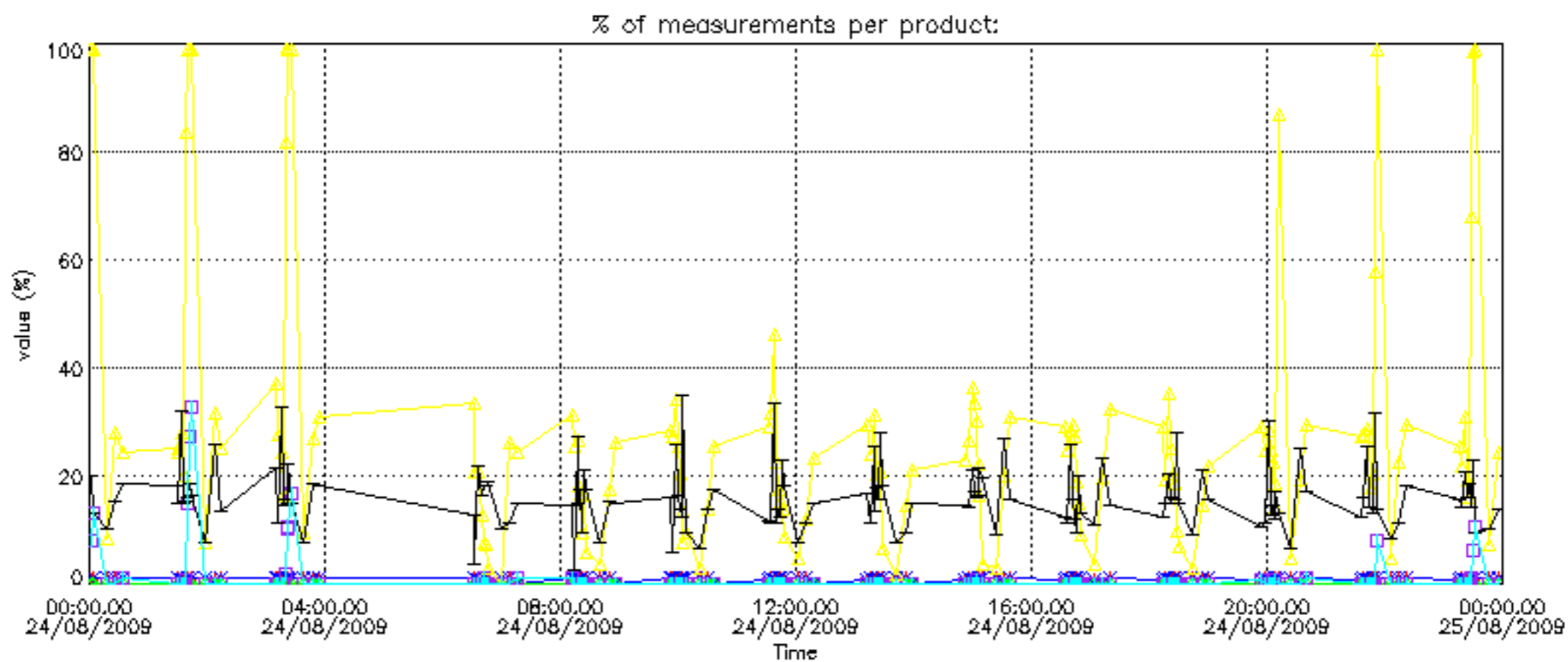


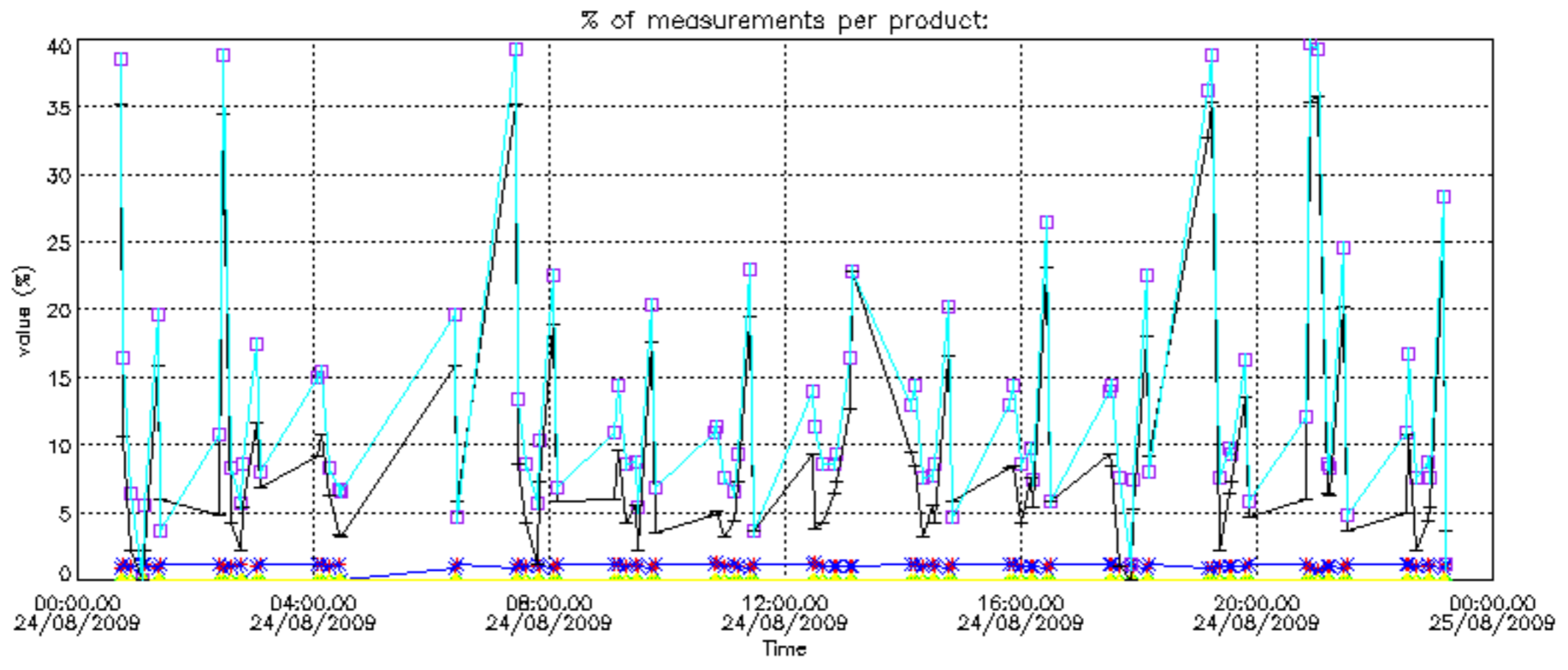
Percentage of flagged data per NO2 profile



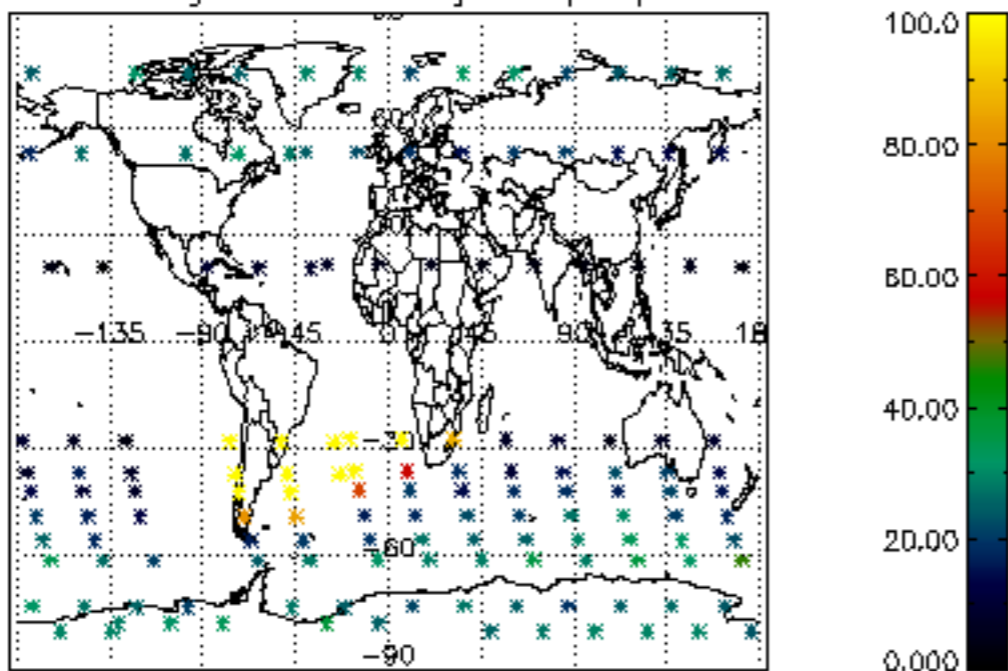
Percentage of flagged data per NO3 profile



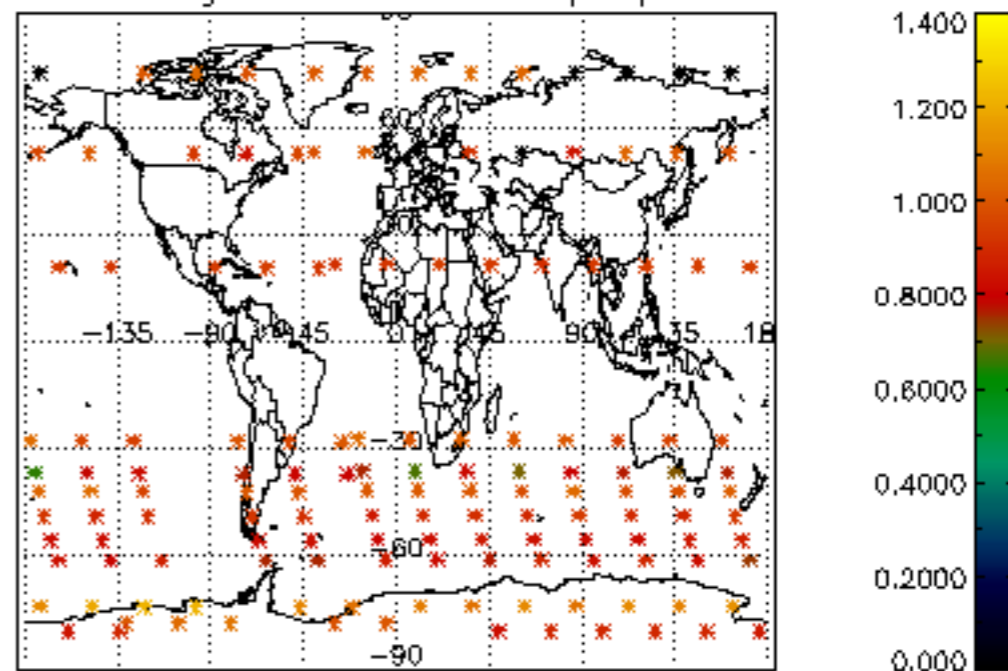




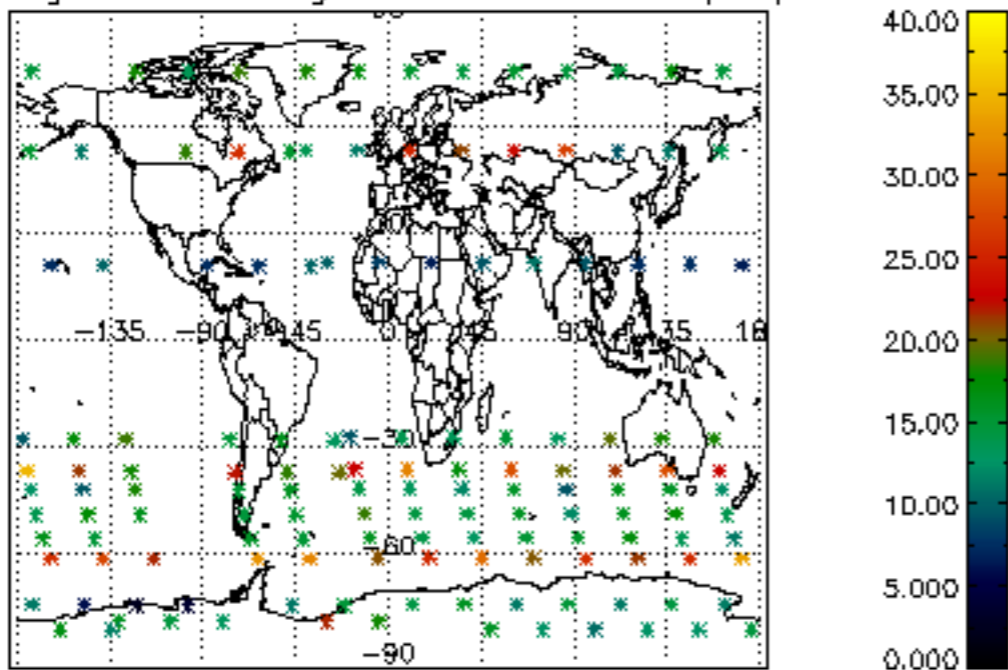
Percentage of cosmic ray hits per profile



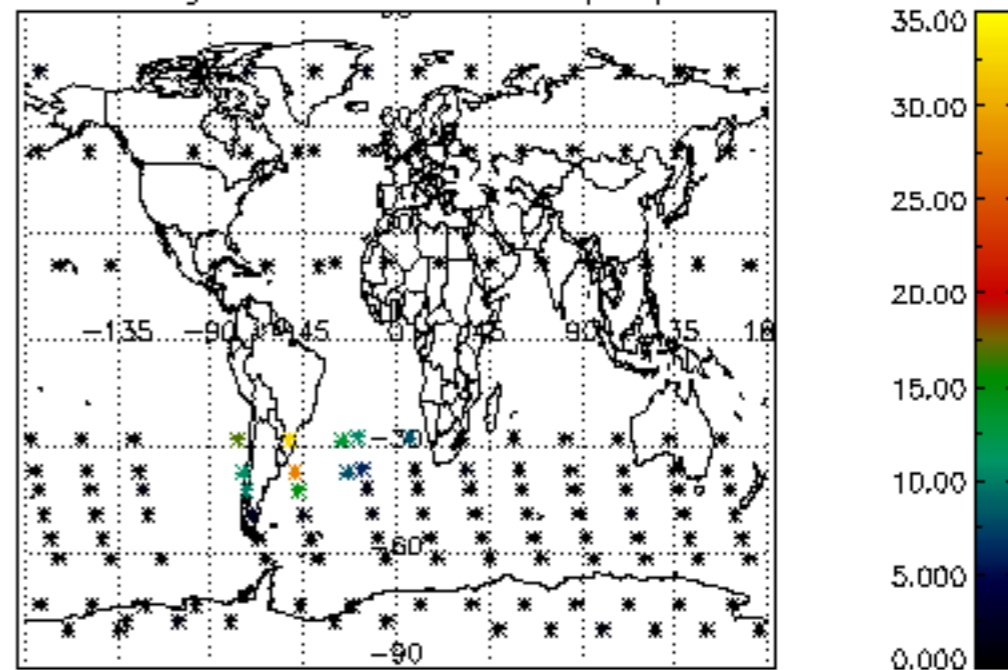
Percentage of datation errors per profile



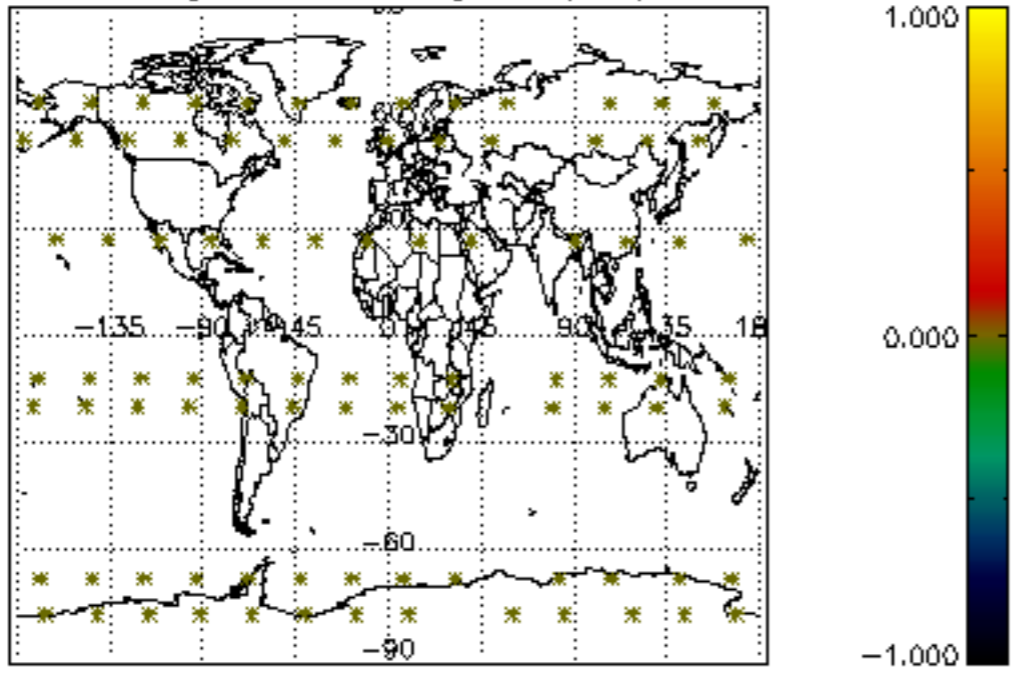
Percentage of star falling outside central band per profile



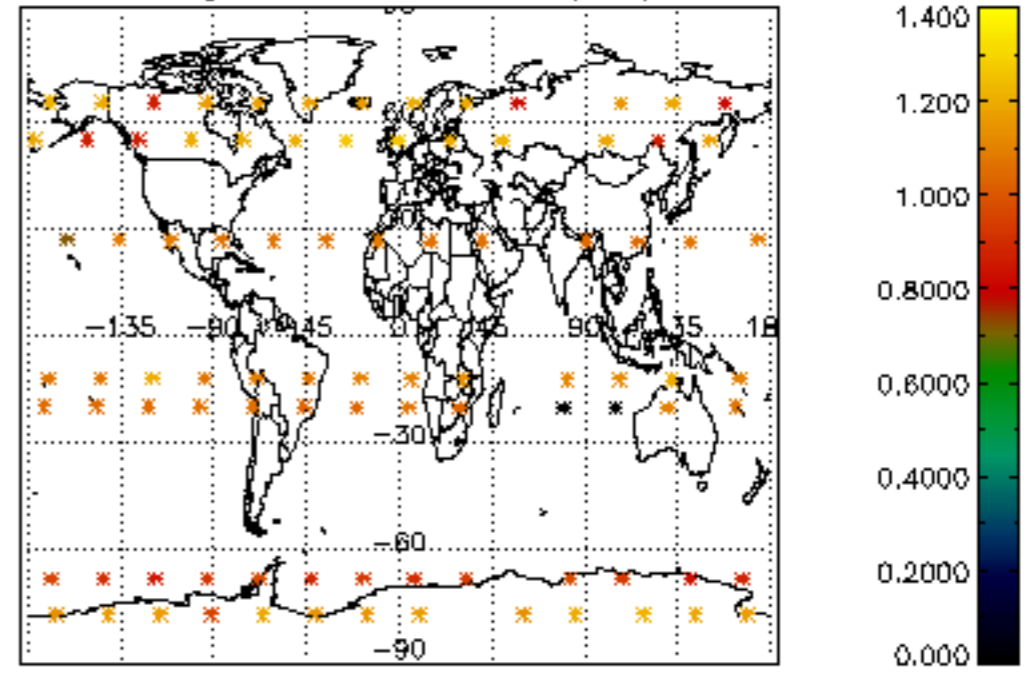
Percentage of saturation errors per profile



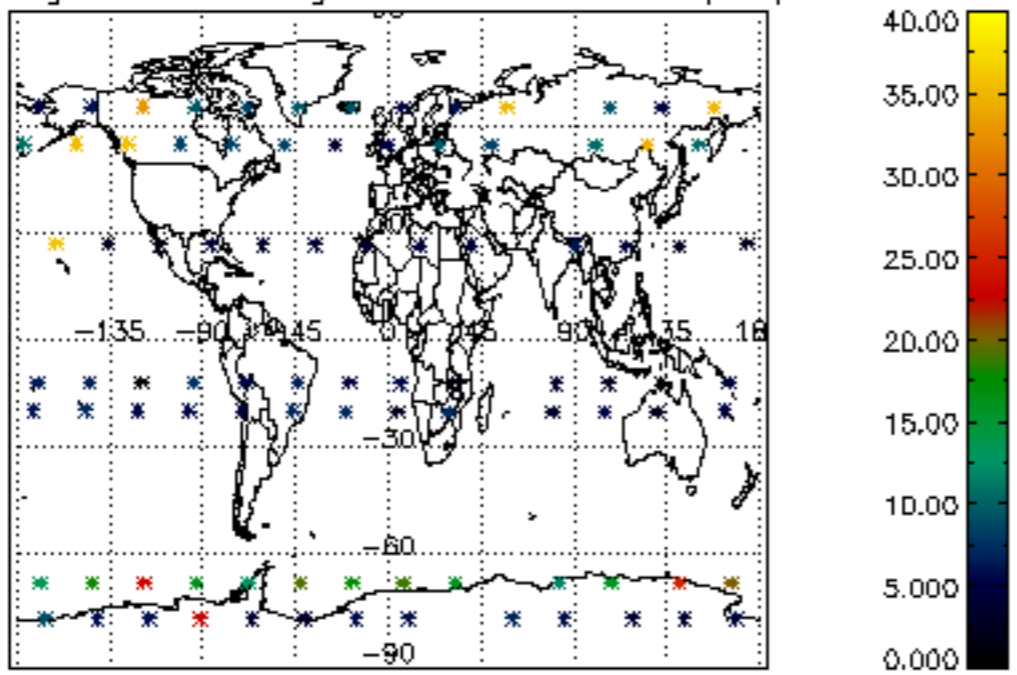
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

