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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	24APR2013 02:22:38
Data source version	GOMOS/6.01
Start time of products	24-07-2006 (24JUL2006 00:00:00)
Stop time of products	25-07-2006 (25JUL2006 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	232
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

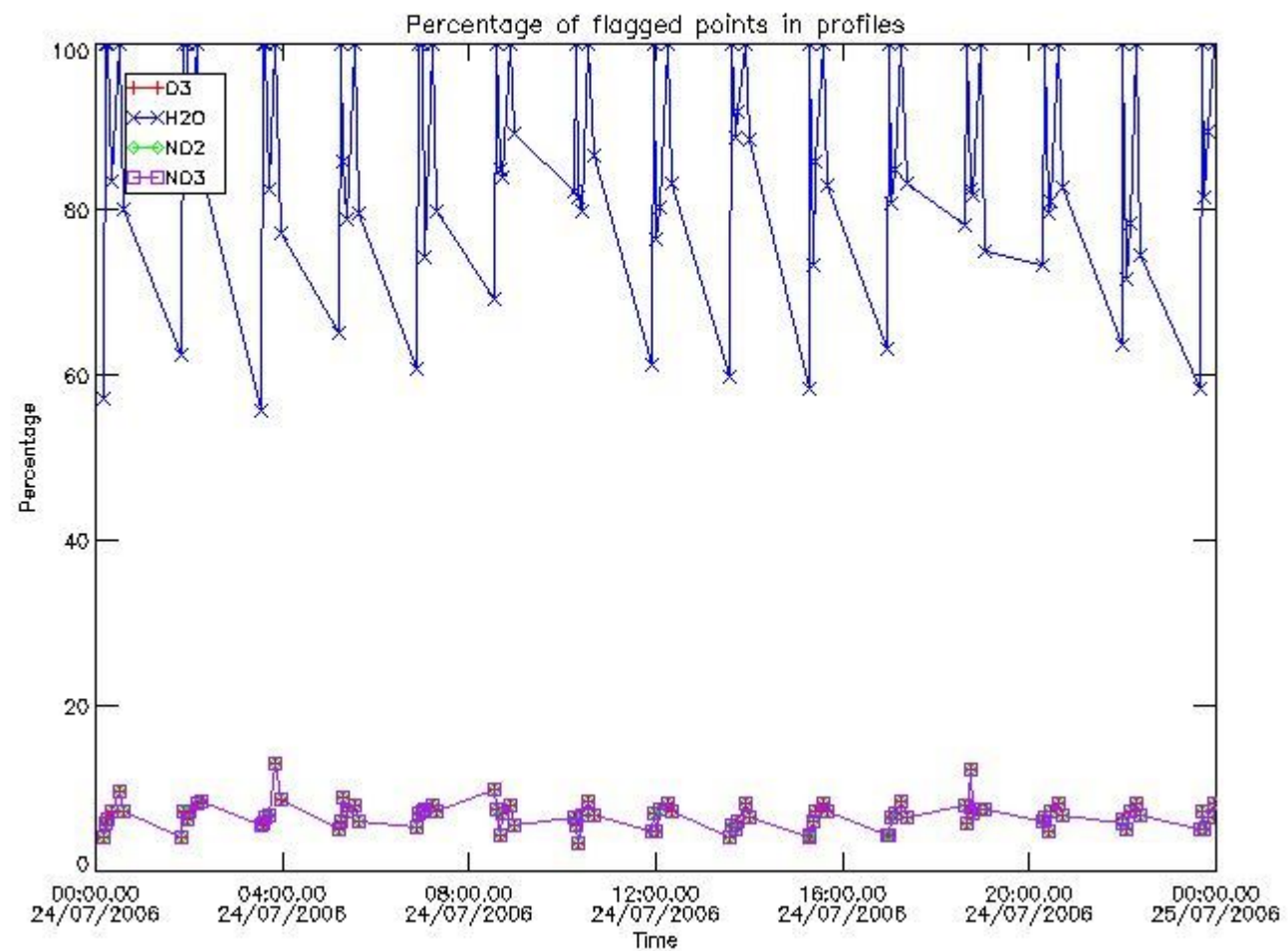
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20060724_000128_000000392049_00388_22987_0217.N1	24-JUL-2006 00:01:28	Bright	39.000	6	13Alp Aur	0.080000	3400.0	78	22987	No
2	GOM_NL__2PRFIN20060724_000329_000000302049_00388_22987_0218.N1	24-JUL-2006 00:03:29	Bright	30.000	149	45Eps Per	2.8880	30000.	60	22987	No
3	GOM_NL__2PRFIN20060724_000522_000000332049_00388_22987_0219.N1	24-JUL-2006 00:05:22	Bright	33.000	114	3Iot Aur	2.6930	4600.0	66	22987	No
4	GOM_NL__2PRFIN20060724_001041_000000502049_00388_22987_0220.N1	24-JUL-2006 00:10:41	Dark	49.500	13	87Alp Tau	0.86700	3800.0	99	22987	No
5	GOM_NL__2PRFIN20060724_001245_000000362049_00388_22987_0221.N1	24-JUL-2006 00:12:45	Dark	36.000	27	24Gam Ori	1.6360	26000.	72	22987	No
6	GOM_NL__2PRFIN20060724_001616_000000342049_00388_22987_0222.N1	24-JUL-2006 00:16:16	Dark	33.500	128	67Bet Eri	2.7840	9700.0	67	22987	No
7	GOM_NL__2PRFIN20060724_002043_000000432049_00388_22987_0223.N1	24-JUL-2006 00:20:43	Dark	42.500	165	34Gam Eri	2.9500	3200.0	85	22987	No
8	GOM_NL__2PRFIN20060724_002959_000000382049_00388_22987_0224.N1	24-JUL-2006 00:29:59	Dark	37.500	157	The1Eri	2.9060	9300.0	75	22987	No
9	GOM_NL__2PRFIN20060724_003555_000000432049_00389_22988_0208.N1	24-JUL-2006 00:35:55	Dark	43.000	9	Alp Eri	0.45300	24000.	86	22988	No
10	GOM_NL__2PRFIN20060724_004311_000000342049_00389_22988_0209.N1	24-JUL-2006 00:43:11	Straylight	34.000	148	Alp Tuc	2.8780	4100.0	68	22988	No
11	GOM_NL__2PRFIN20060724_004457_000000512049_00389_22988_0210.N1	24-JUL-2006 00:44:57	Straylight	51.000	63	Bet Gru	2.1500	2800.0	102	22988	No
12	GOM_NL__2PRFIN20060724_004620_000000392049_00389_22988_0211.N1	24-JUL-2006 00:46:20	Straylight	39.000	31	Alp Gru	1.7340	15200.	78	22988	No
13	GOM_NL__2PRFIN20060724_005744_000000322049_00389_22988_0212.N1	24-JUL-2006 00:57:44	Bright	32.000	155	41Pi Sgr	2.9000	6600.0	64	22988	No
14	GOM_NL__2PRFIN20060724_010642_000000362049_00389_22988_0213.N1	24-JUL-2006 01:06:42	Bright	36.000	11	53Alp Aql	0.76500	8000.0	72	22988	No
15	GOM_NL__2PRFIN20060724_011456_000000302049_00389_22988_0214.N1	24-JUL-2006 01:14:56	Bright	30.000	5	3Alp Lyr	0.033000	11000.	60	22988	No
16	GOM_NL__2PRFIN20060724_011736_000000312049_00389_22988_0215.N1	24-JUL-2006 01:17:36	Bright	31.000	144	18Del Cyg	2.8600	11000.	62	22988	No
17	GOM_NL__2PRFIN20060724_012929_000000292049_00389_22988_0216.N1	24-JUL-2006 01:29:29	Bright	28.500	49	1Alp UMi	1.9900	6300.0	57	22988	No
18	GOM_NL__2PRFIN20060724_014203_000000482049_00389_22988_0217.N1	24-JUL-2006 01:42:03	Bright	48.000	6	13Alp Aur	0.080000	3400.0	96	22988	No
19	GOM_NL__2PRFIN20060724_014558_000000352049_00389_22988_0218.N1	24-JUL-2006 01:45:58	Bright	35.000	114	3Iot Aur	2.6930	4600.0	70	22988	No
20	GOM_NL__2PRFIN20060724_015117_000000512049_00389_22988_0219.N1	24-JUL-2006 01:51:17	Dark	51.000	13	87Alp Tau	0.86700	3800.0	102	22988	No
21	GOM_NL__2PRFIN20060724_015322_000000362049_00389_22988_0220.N1	24-JUL-2006 01:53:22	Dark	36.000	27	24Gam Ori	1.6360	26000.	72	22988	No
22	GOM_NL__2PRFIN20060724_015652_000000322049_00389_22988_0221.N1	24-JUL-2006 01:56:52	Dark	32.000	128	67Bet Eri	2.7840	9700.0	64	22988	No
23	GOM_NL__2PRFIN20060724_020120_000000432049_00389_22988_0222.N1	24-JUL-2006 02:01:20	Dark	43.000	165	34Gam Eri	2.9500	3200.0	86	22988	No
24	GOM_NL__2PRFIN20060724_021036_000000382049_00389_22988_0223.N1	24-JUL-2006 02:10:36	Dark	37.500	157	The1Eri	2.9060	9300.0	75	22988	No
25	GOM_NL__2PRFIN20060724_021632_000000362049_00390_22989_0208.N1	24-JUL-2006 02:16:32	Dark	36.000	9	Alp Eri	0.45300	24000.	72	22989	No
26	GOM_NL__2PRFIN20060724_022348_000000342049_00390_22989_0209.N1	24-JUL-2006 02:23:48	Straylight	33.500	148	Alp Tuc	2.8780	4100.0	67	22989	No
27	GOM_NL__2PRFIN20060724_022534_000000562049_00390_22989_0210.N1	24-JUL-2006 02:25:34	Straylight	55.500	63	Bet Gru	2.1500	2800.0	111	22989	No
28	GOM_NL__2PRFIN20060724_022657_000000392049_00390_22989_0211.N1	24-JUL-2006 02:26:57	Straylight	39.000	31	Alp Gru	1.7340	15200.	78	22989	No
29	GOM_NL__2PRFIN20060724_023820_000000332049_00390_22989_0212.N1	24-JUL-2006 02:38:20	Bright	32.500	155	41Pi Sgr	2.9000	6600.0	65	22989	No
30	GOM_NL__2PRFIN20060724_024718_000000362049_00390_22989_0213.N1	24-JUL-2006 02:47:18	Bright	36.000	11	53Alp Aql	0.76500	8000.0	72	22989	No
31	GOM_NL__2PRFIN20060724_025532_000000302049_00390_22989_0214.N1	24-JUL-2006 02:55:32	Bright	30.000	5	3Alp Lyr	0.033000	11000.	60	22989	No
32	GOM_NL__2PRFIN20060724_025811_000000332049_00390_22989_0215.N1	24-JUL-2006 02:58:11	Bright	33.000	144	18Del Cyg	2.8600	11000.	66	22989	No
33	GOM_NL__2PRFIN20060724_031005_000000282049_00390_22989_0216.N1	24-JUL-2006 03:10:05	Bright	27.500	49	1Alp UMi	1.9900	6300.0	55	22989	No
34	GOM_NL__2PRFIN20060724_032239_000000422049_00390_22989_0217.N1	24-JUL-2006 03:22:39	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	22989	No
35	GOM_NL__2PRFIN20060724_032634_000000352049_00390_22989_0218.N1	24-JUL-2006 03:26:34	Bright	34.500	114	3Iot Aur	2.6930	4600.0	69	22989	No
36	GOM_NL__2PRFIN20060724_033153_000000462049_00390_22989_0219.N1	24-JUL-2006 03:31:53	Dark	45.500	13	87Alp Tau	0.86700	3800.0	91	22989	No
37	GOM_NL__2PRFIN20060724_033358_000000352049_00390_22989_0220.N1	24-JUL-2006 03:33:58	Dark	35.000	27	24Gam Ori	1.6360	26000.	70	22989	No
38	GOM_NL__2PRFIN20060724_033728_000000322049_00390_22989_0221.N1	24-JUL-2006 03:37:28	Dark	31.500	128	67Bet Eri	2.7840	9700.0	63	22989	No
39	GOM_NL__2PRFIN20060724_034156_000000462049_00390_22989_0222.N1	24-JUL-2006 03:41:56	Dark	46.000	165	34Gam Eri	2.9500	3200.0	92	22989	No
40	GOM_NL__2PRFIN20060724_035112_000000392049_00390_22989_0223.N1	24-JUL-2006 03:51:12	Dark	39.000	157	The1Eri	2.9060	9300.0	78	22989	No
41	GOM_NL__2PRFIN20060724_035708_000000362049_00391_22990_0582.N1	24-JUL-2006 03:57:08	Dark	35.500	9	Alp Eri	0.45300	24000.	71	22990	No
42	GOM_NL__2PRFIN20060724_040424_000000342049_00391_22990_0583.N1	24-JUL-2006 04:04:24	Straylight	33.500	148	Alp Tuc	2.8780	4100.0	67	22990	No

220	GOM_NL__2PRFIN20060724_223415_000000472049_00402_23001_0605.N1	24-JUL-2006 22:34:15	Straylight	47.000	31	Alp Gru	1.7340	15200.	94	23001	No
221	GOM_NL__2PRFIN20060724_224533_000000322049_00402_23001_0606.N1	24-JUL-2006 22:45:33	Bright	32.000	155	41Pi Sgr	2.9000	6600.0	64	23001	No
222	GOM_NL__2PRFIN20060724_225427_000000352049_00402_23001_0607.N1	24-JUL-2006 22:54:27	Bright	35.000	11	53Alp Aql	0.76500	8000.0	70	23001	No
223	GOM_NL__2PRFIN20060724_230243_000000332049_00402_23001_0608.N1	24-JUL-2006 23:02:43	Bright	32.500	5	3Alp Lyr	0.033000	11000.	65	23001	No
224	GOM_NL__2PRFIN20060724_230518_000000302049_00402_23001_0609.N1	24-JUL-2006 23:05:18	Bright	30.000	144	18Del Cyg	2.8600	11000.	60	23001	No
225	GOM_NL__2PRFIN20060724_231716_000000282049_00402_23001_0610.N1	24-JUL-2006 23:17:16	Bright	28.000	49	1Alp UMi	1.9900	6300.0	56	23001	No
226	GOM_NL__2PRFIN20060724_232952_000000322049_00402_23001_0611.N1	24-JUL-2006 23:29:52	Bright	32.000	6	13Alp Aur	0.080000	3400.0	64	23001	No
227	GOM_NL__2PRFIN20060724_233347_000000372049_00402_23001_0612.N1	24-JUL-2006 23:33:47	Bright	36.500	114	3Iot Aur	2.6930	4600.0	73	23001	No
228	GOM_NL__2PRFIN20060724_233908_000000522049_00402_23001_0613.N1	24-JUL-2006 23:39:08	Dark	52.000	13	87Alp Tau	0.86700	3800.0	104	23001	No
229	GOM_NL__2PRFIN20060724_234112_000000362049_00402_23001_0614.N1	24-JUL-2006 23:41:12	Dark	36.000	27	24Gam Ori	1.6360	26000.	72	23001	No
230	GOM_NL__2PRFIN20060724_234527_000000412049_00402_23001_0615.N1	24-JUL-2006 23:45:27	Dark	40.500	7	19Bet Ori	0.10000	14000.	81	23001	No
231	GOM_NL__2PRFIN20060724_234916_000000482049_00402_23001_0616.N1	24-JUL-2006 23:49:16	Dark	47.500	165	34Gam Eri	2.9500	3200.0	95	23001	No
232	GOM_NL__2PRFIN20060724_235834_000000382049_00402_23001_0617.N1	24-JUL-2006 23:58:34	Dark	37.500	157	The1Eri	2.9060	9300.0	75	23001	No

3. Quality information per product

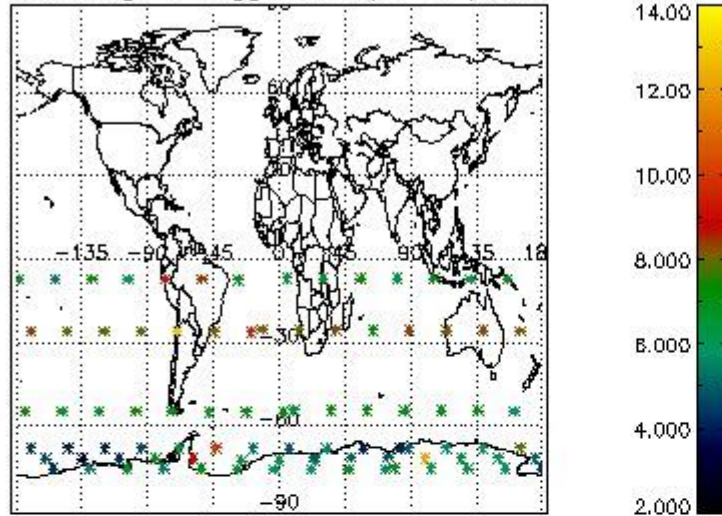
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

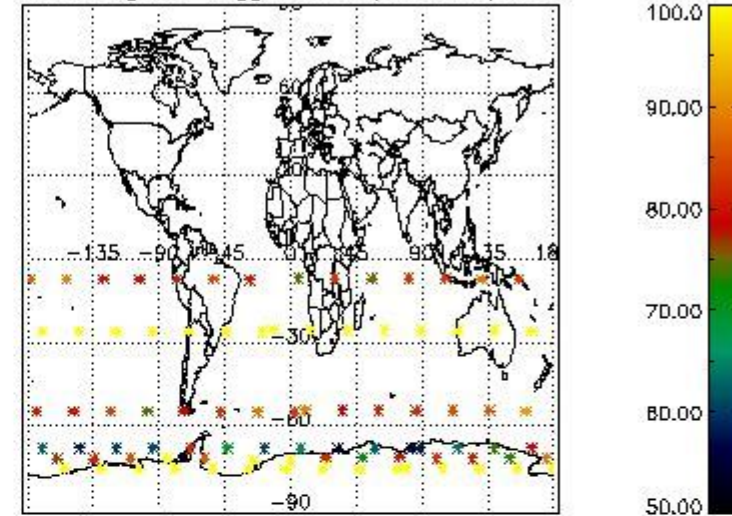


3.2 Plot quality information per product (world map)

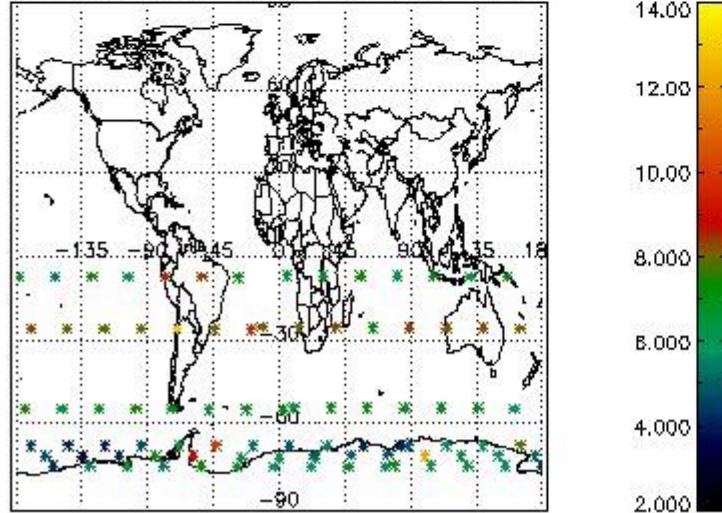
Percentage of flagged data per O3 profile



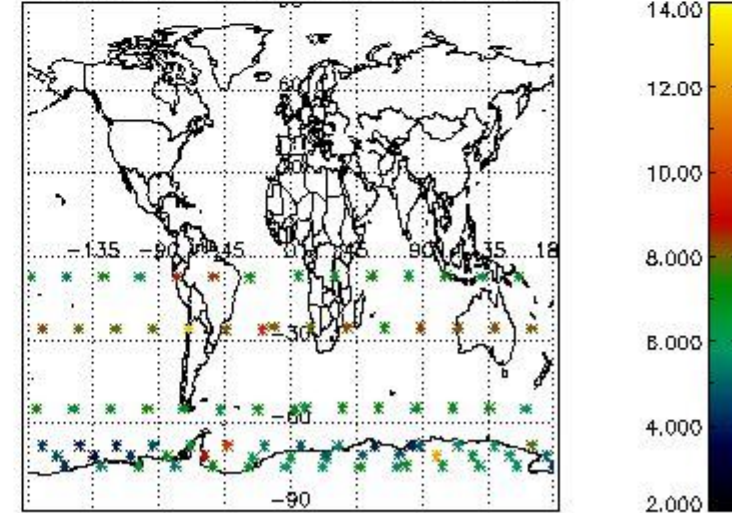
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

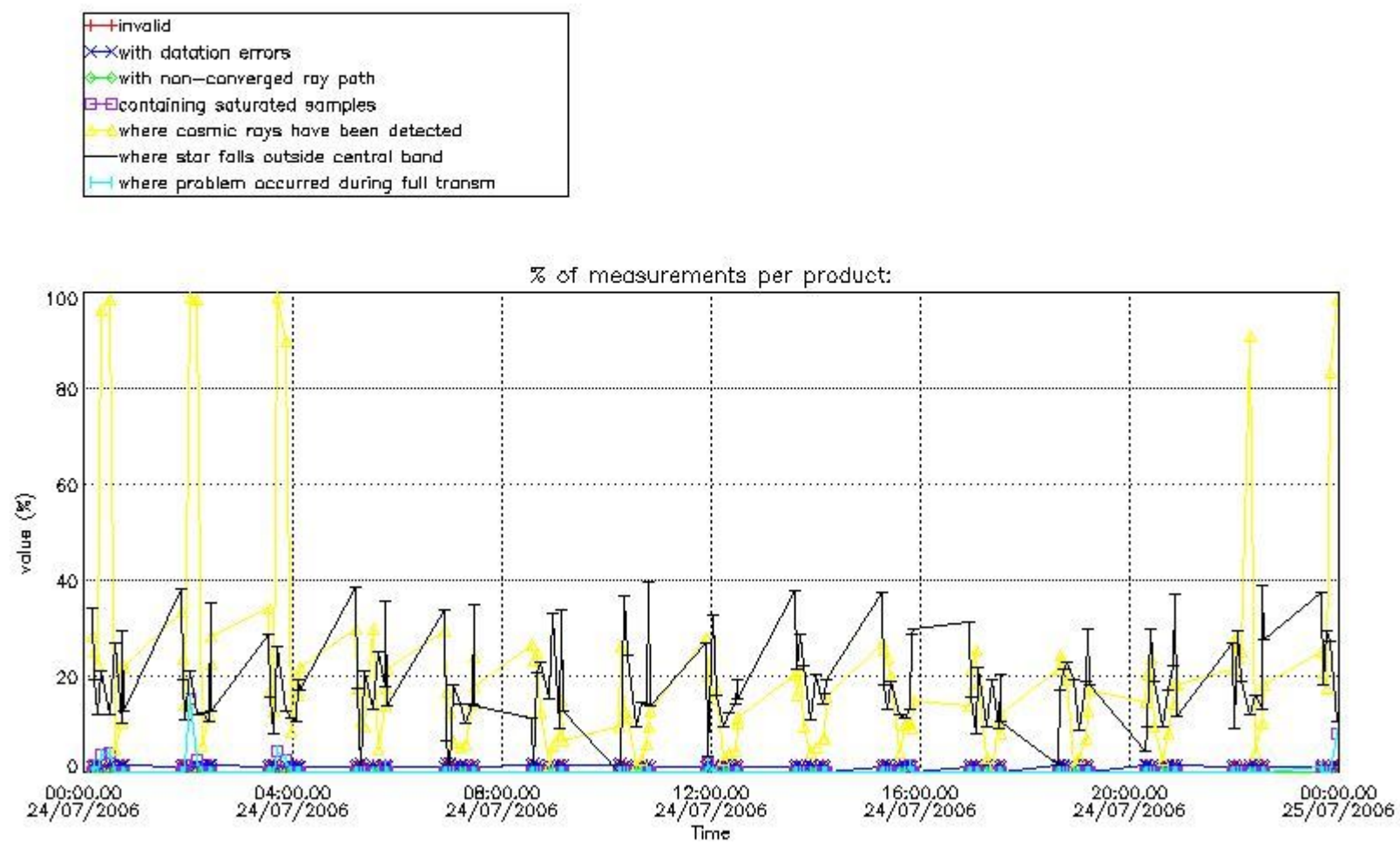


4. Level 1 quality information per product

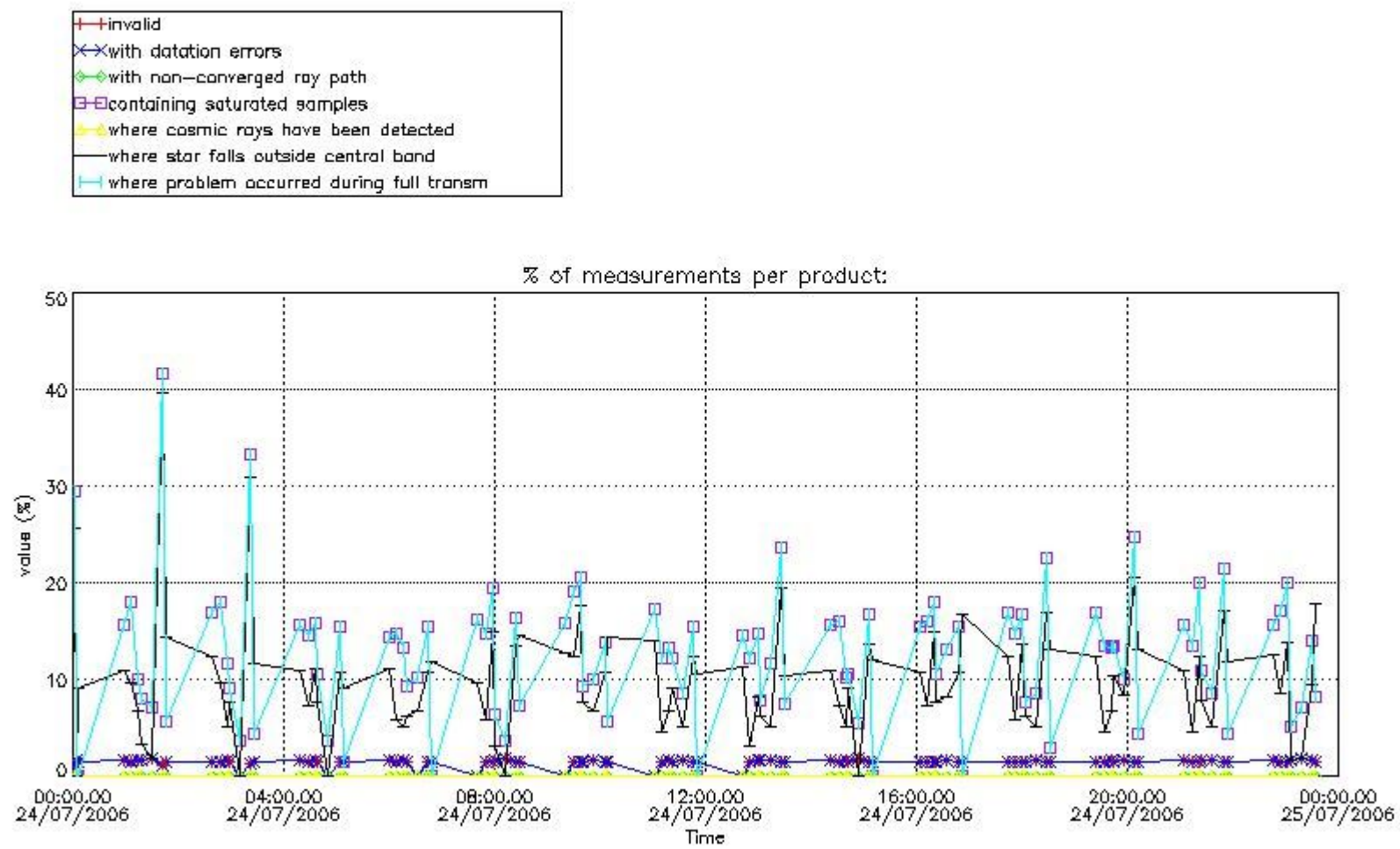
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



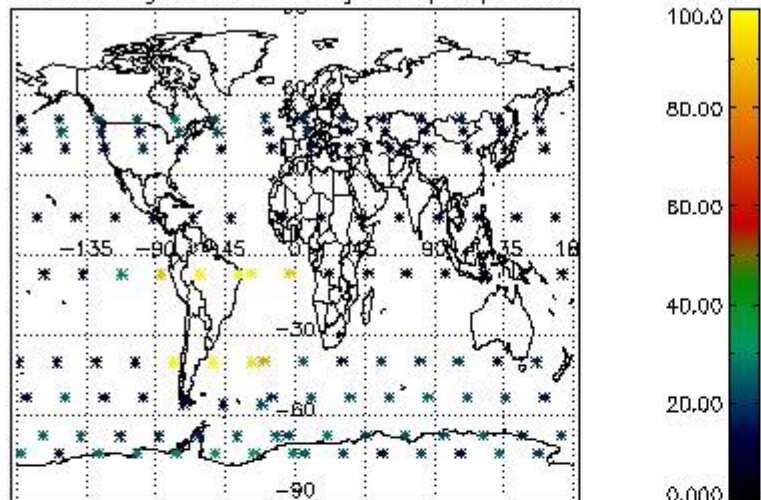
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



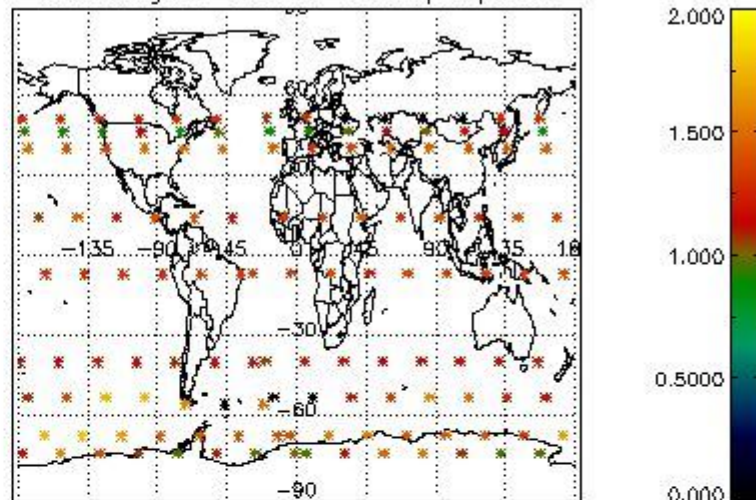
4.2 Plot quality information per product coming from level 1b processing (world map)

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

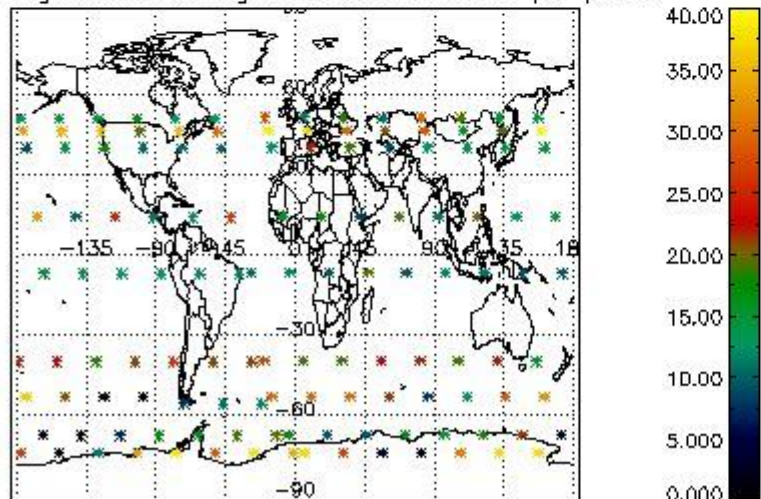
Percentage of cosmic ray hits per profile



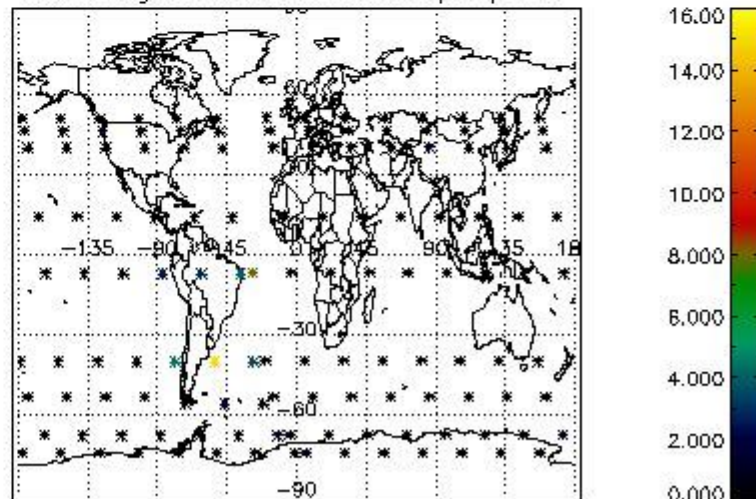
Percentage of datation errors per profile



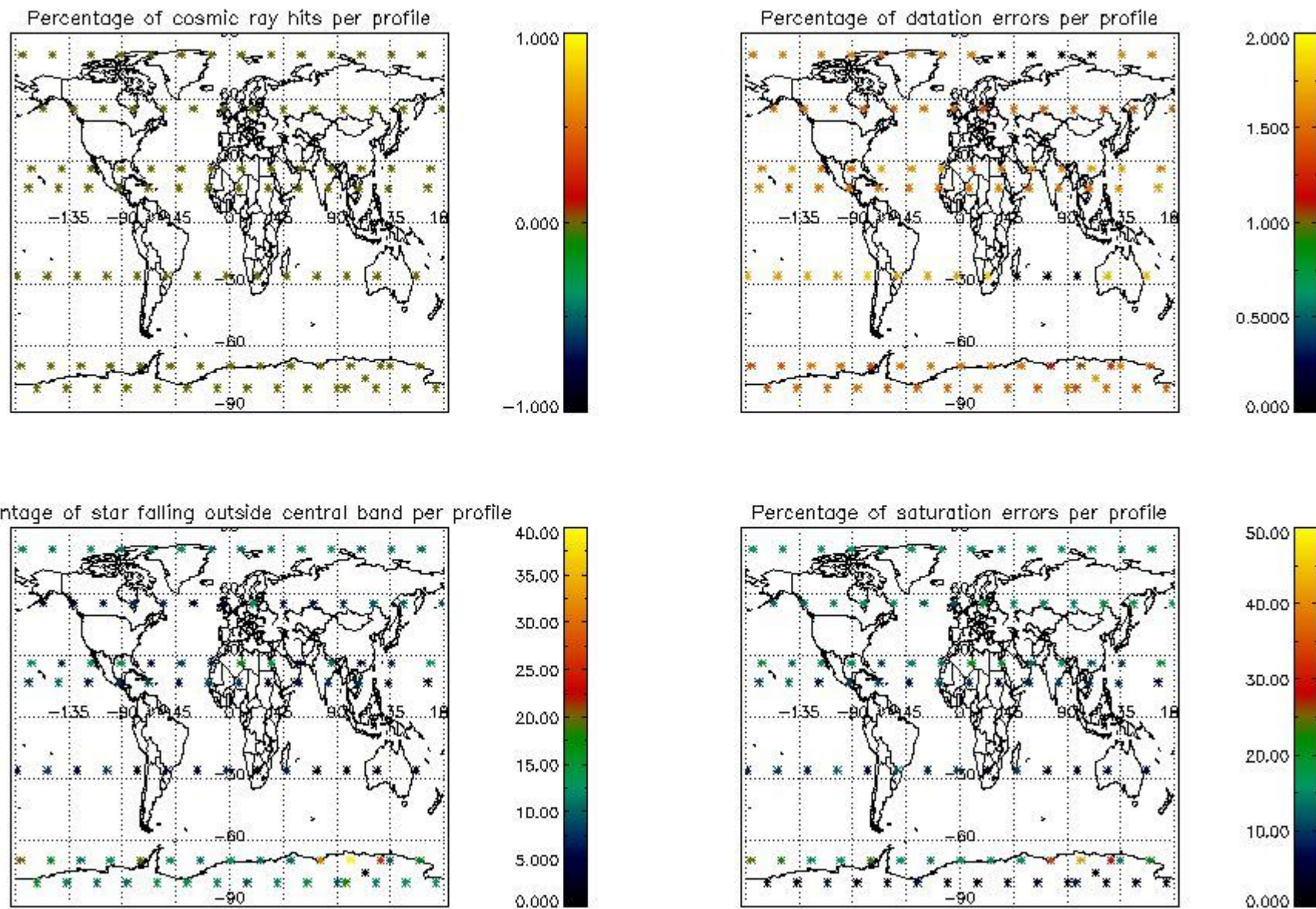
Percentage of star falling outside central band per profile



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

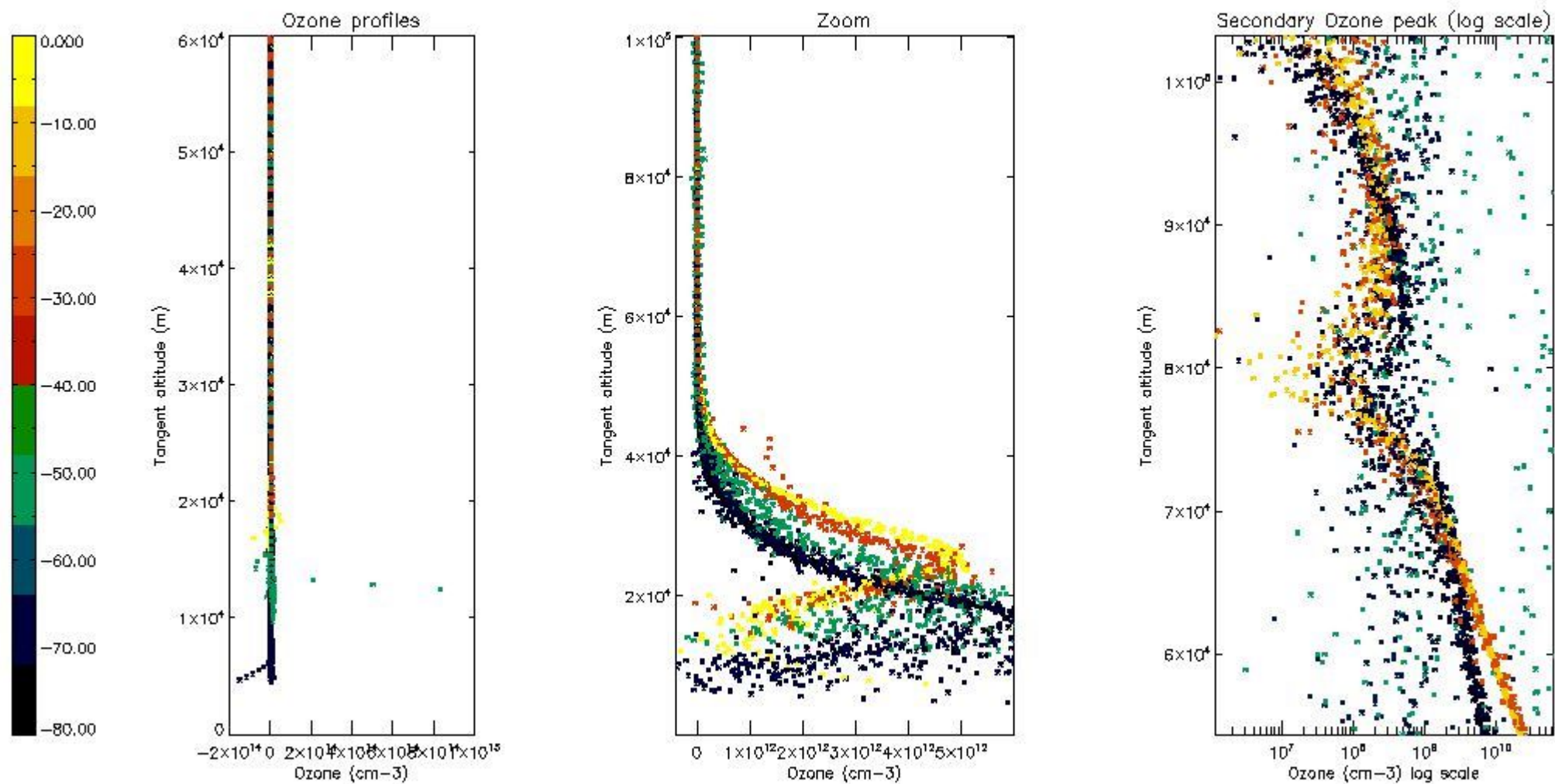
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	41
STD < 20	23

STD < 10	18
STD < 5	12

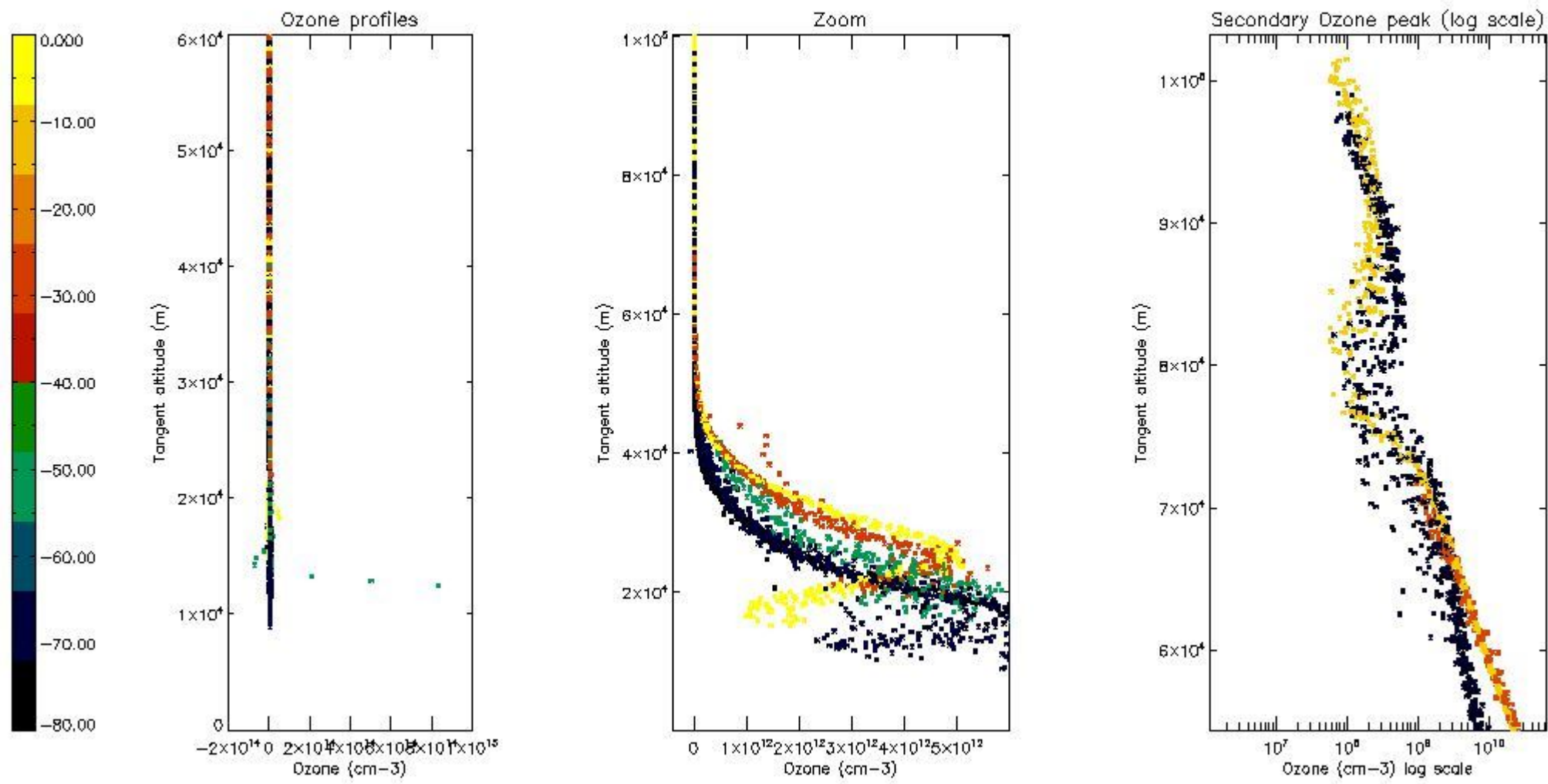
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



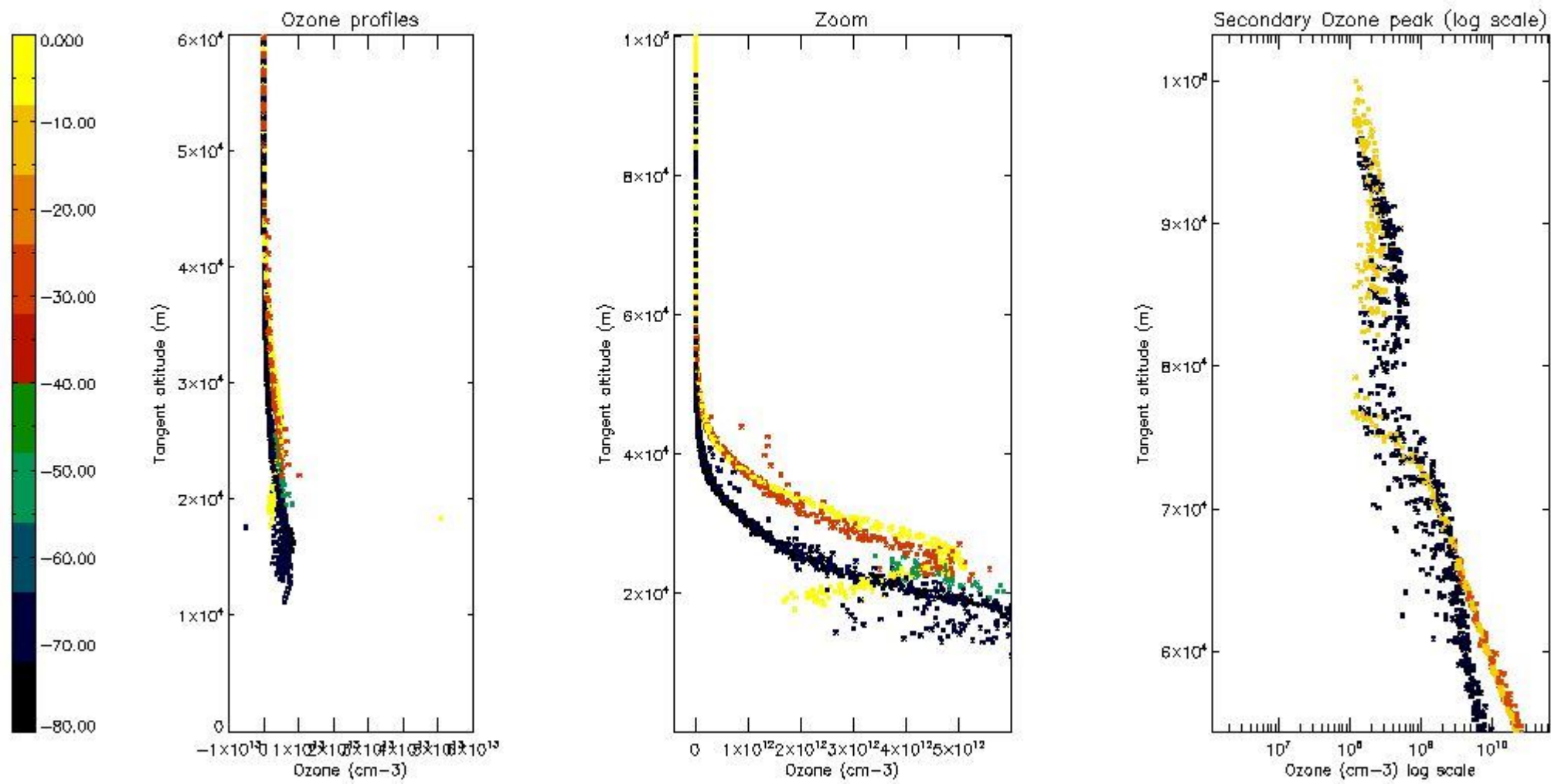
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



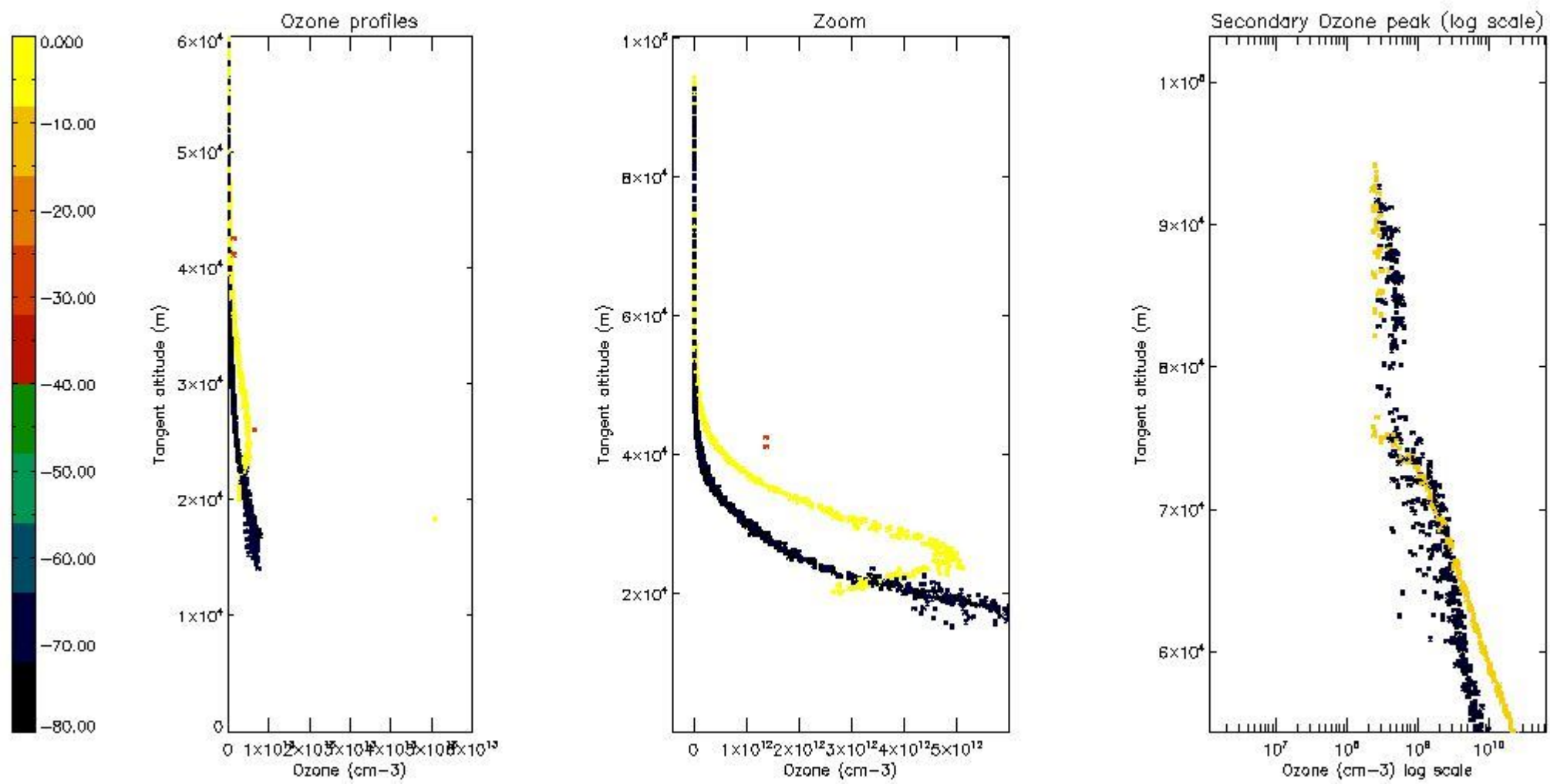
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



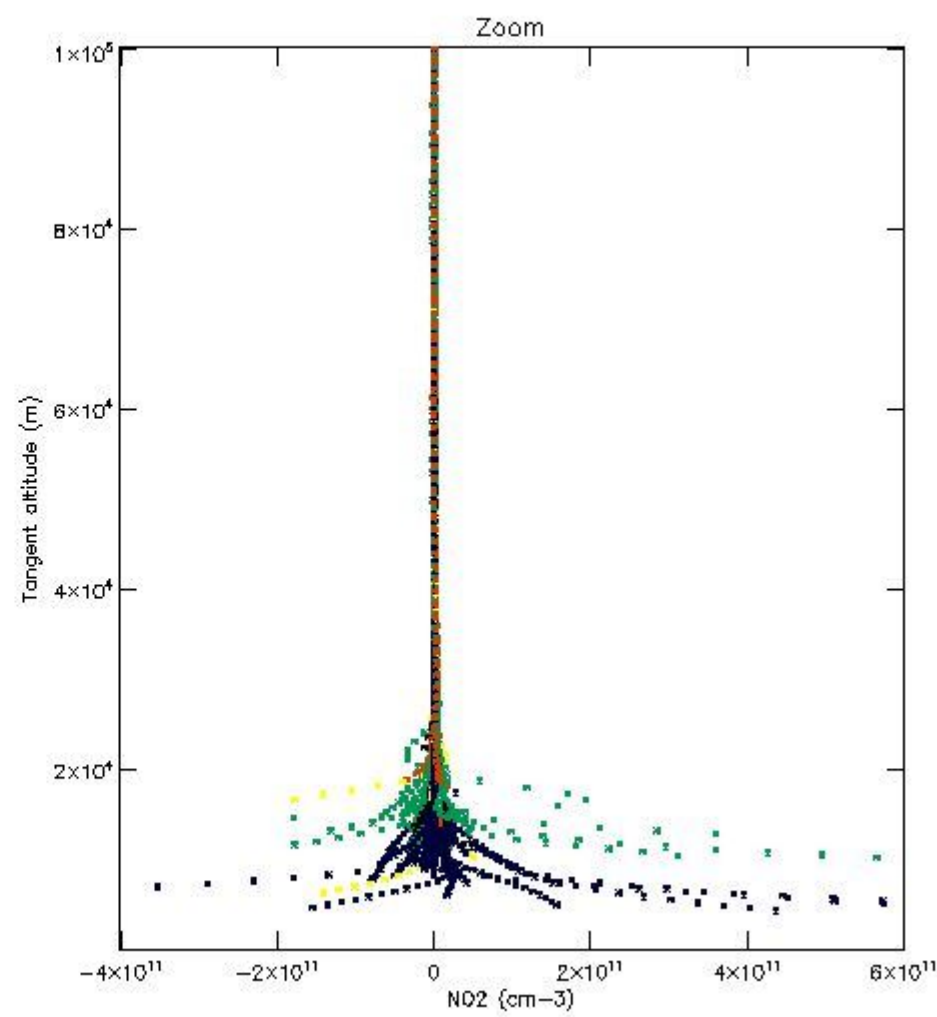
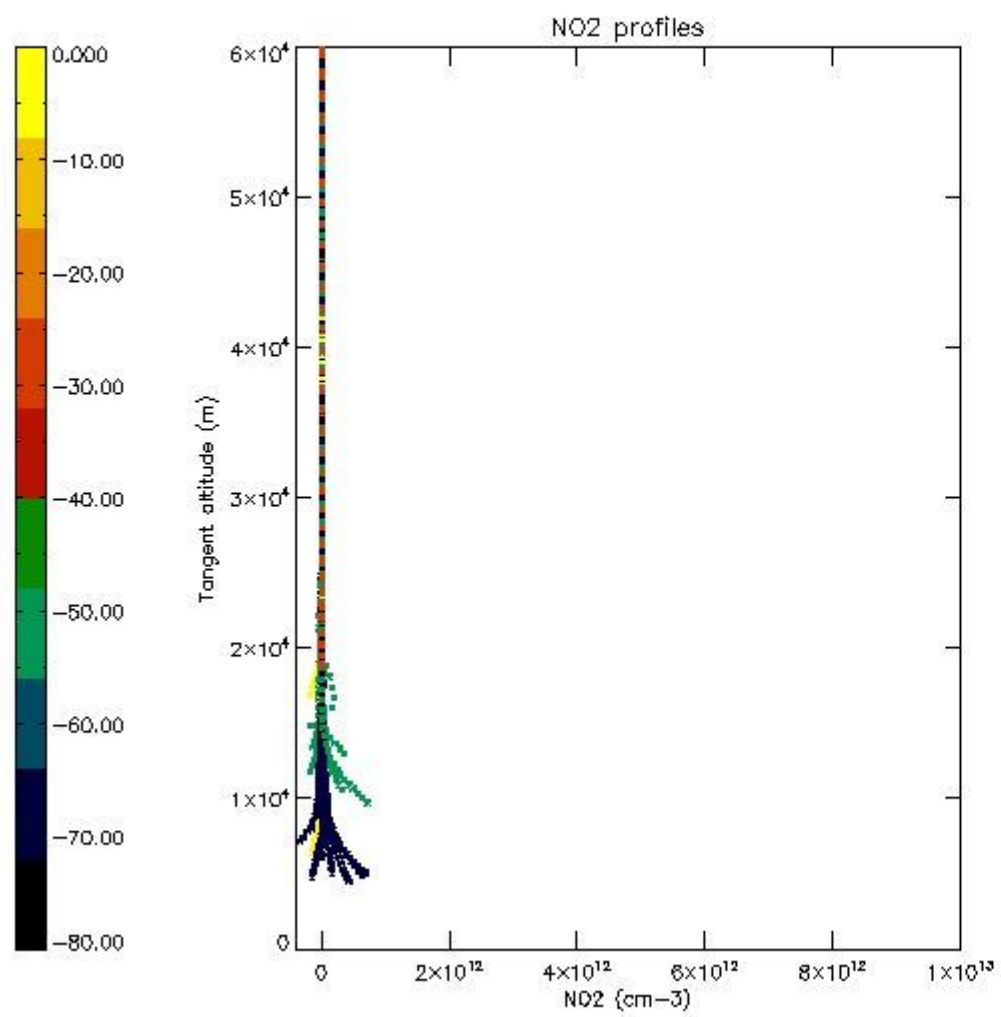
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



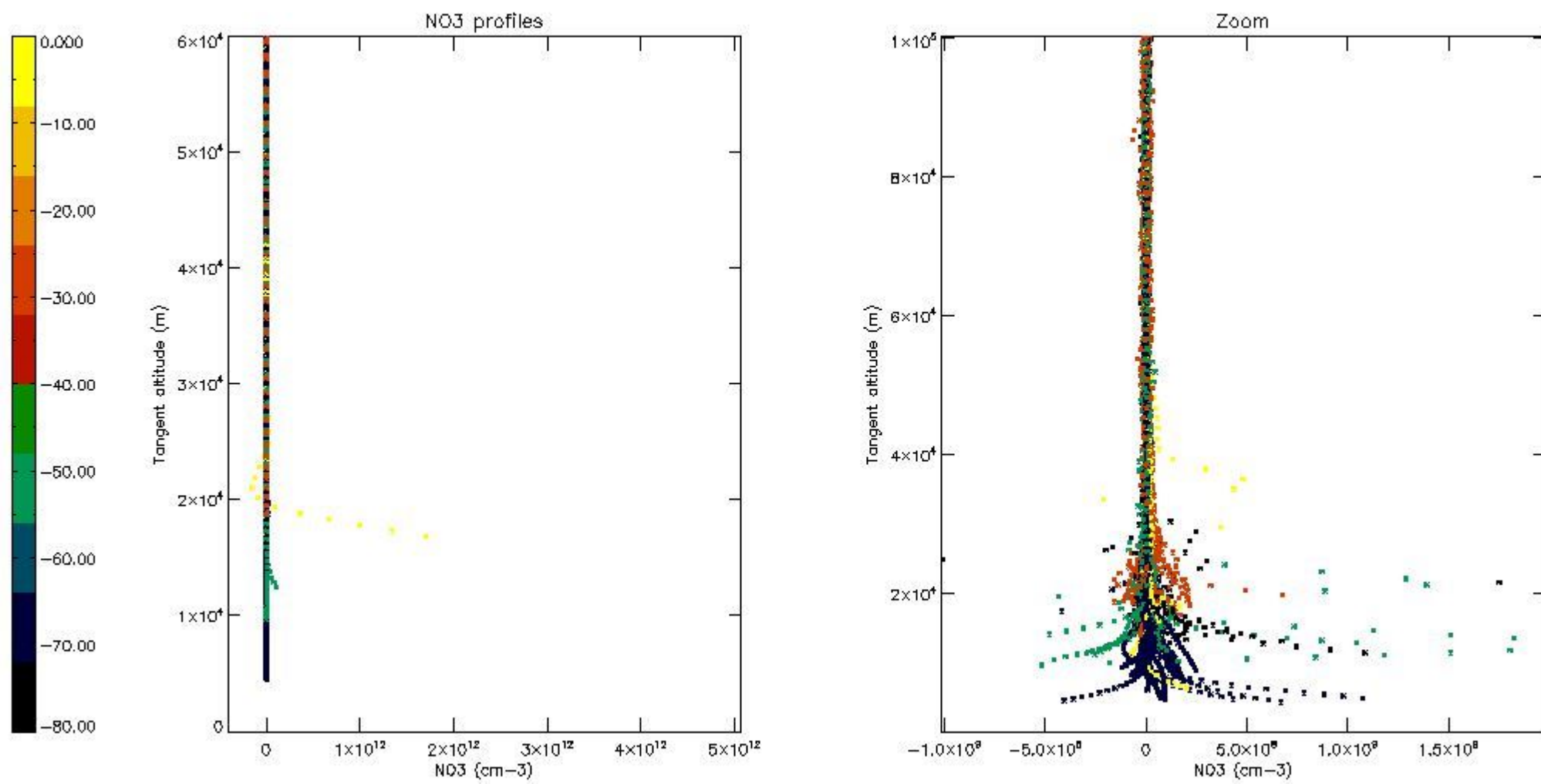
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



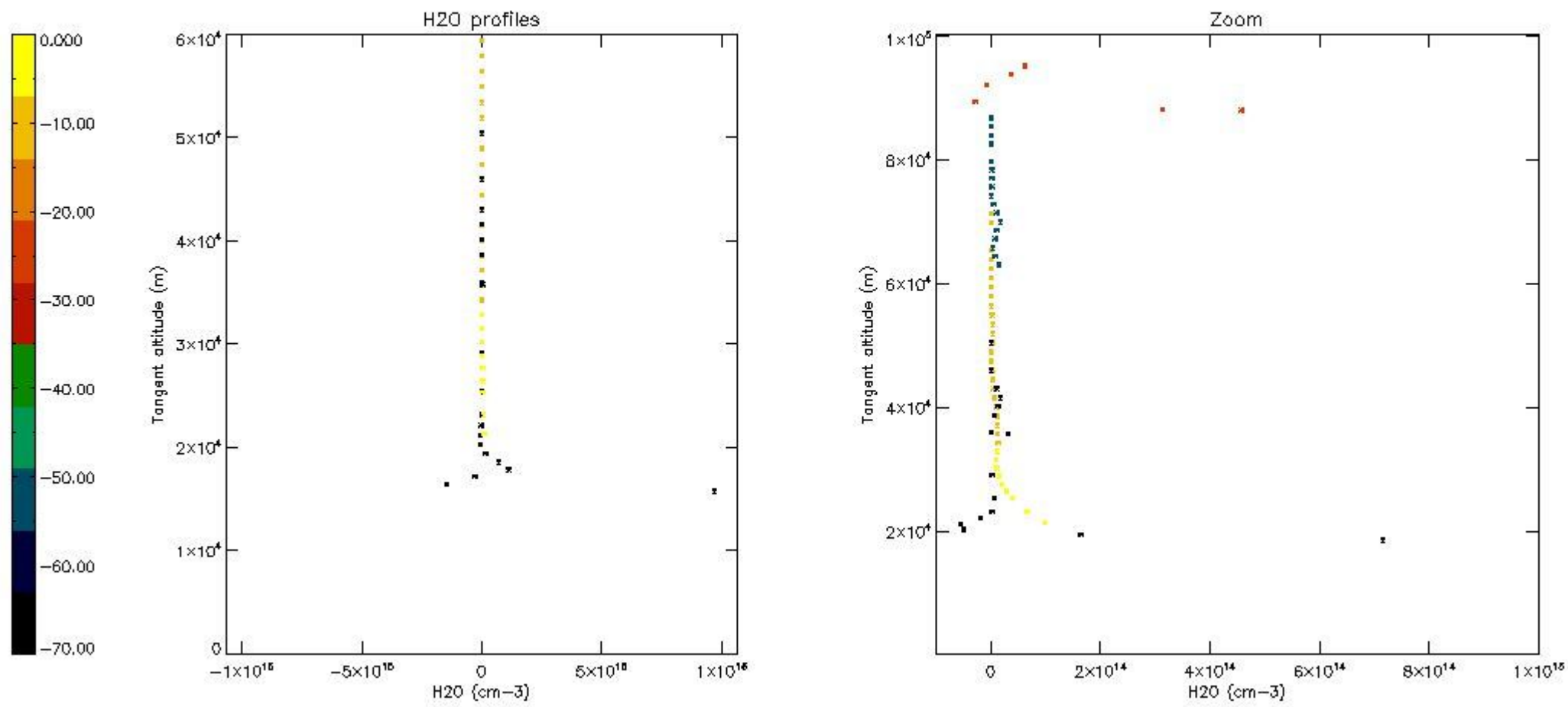
5.7 Plot NO3 profiles for all STD (dark without errors)

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-JUL-2006 00:01:28
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	24-JUL-2006 00:01:28
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	24-JUL-2006 00:01:28

GOMOS Level 2 Daily Report

SUMMARY

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[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](#)

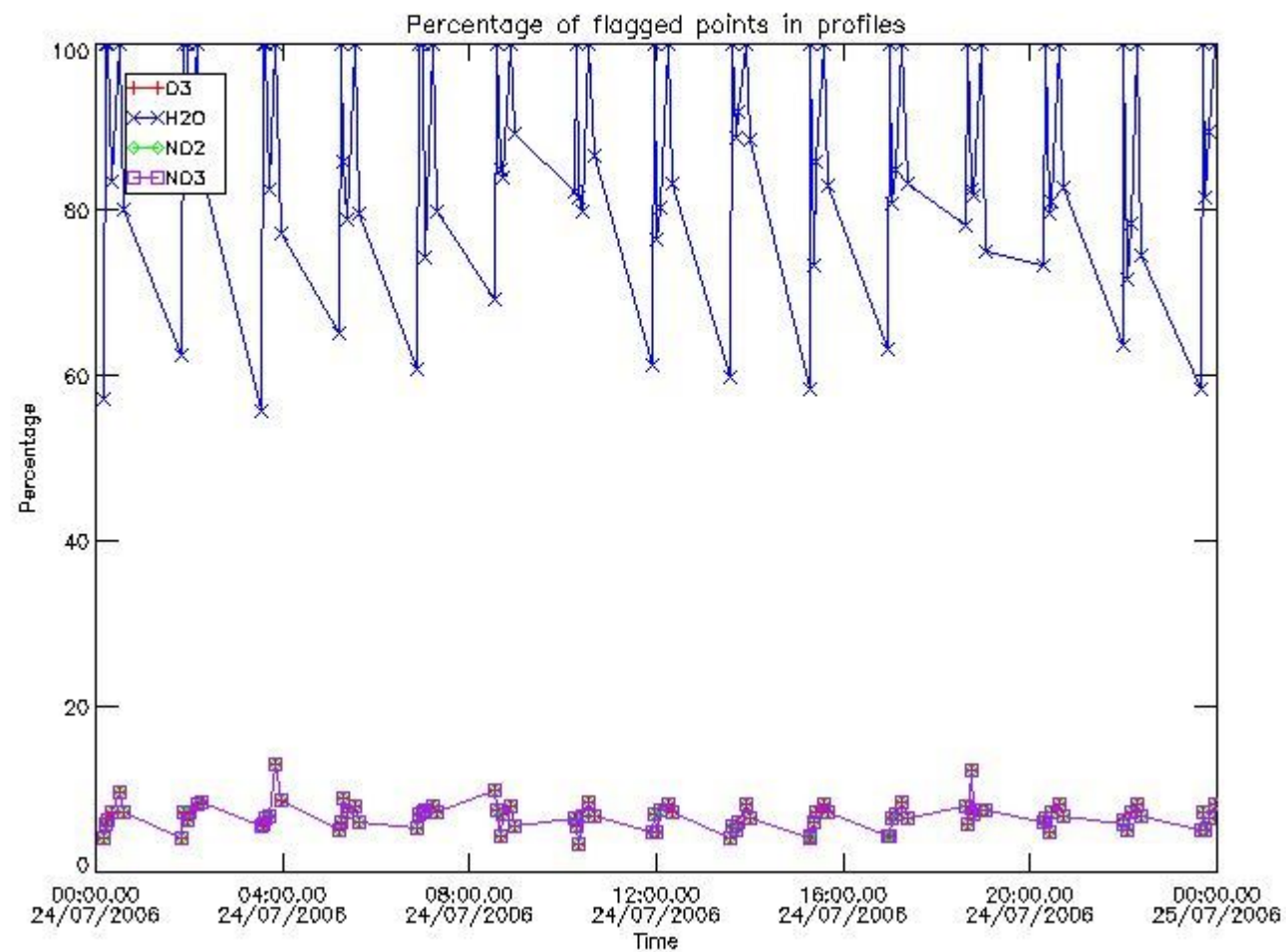
[6. Auxiliary Data Files used for the production reported in section 2](#)

220	GOM_NL__2PRFIN20060724_223415_000000472049_00402_23001_0605.N1	24-JUL-2006 22:34:15	Straylight	47.000	31	Alp Gru	1.7340	15200.	94	23001	No
221	GOM_NL__2PRFIN20060724_224533_000000322049_00402_23001_0606.N1	24-JUL-2006 22:45:33	Bright	32.000	155	41Pi Sgr	2.9000	6600.0	64	23001	No
222	GOM_NL__2PRFIN20060724_225427_000000352049_00402_23001_0607.N1	24-JUL-2006 22:54:27	Bright	35.000	11	53Alp Aql	0.76500	8000.0	70	23001	No
223	GOM_NL__2PRFIN20060724_230243_000000332049_00402_23001_0608.N1	24-JUL-2006 23:02:43	Bright	32.500	5	3Alp Lyr	0.033000	11000.	65	23001	No
224	GOM_NL__2PRFIN20060724_230518_000000302049_00402_23001_0609.N1	24-JUL-2006 23:05:18	Bright	30.000	144	18Del Cyg	2.8600	11000.	60	23001	No
225	GOM_NL__2PRFIN20060724_231716_000000282049_00402_23001_0610.N1	24-JUL-2006 23:17:16	Bright	28.000	49	1Alp UMi	1.9900	6300.0	56	23001	No
226	GOM_NL__2PRFIN20060724_232952_000000322049_00402_23001_0611.N1	24-JUL-2006 23:29:52	Bright	32.000	6	13Alp Aur	0.080000	3400.0	64	23001	No
227	GOM_NL__2PRFIN20060724_233347_000000372049_00402_23001_0612.N1	24-JUL-2006 23:33:47	Bright	36.500	114	3Iot Aur	2.6930	4600.0	73	23001	No
228	GOM_NL__2PRFIN20060724_233908_000000522049_00402_23001_0613.N1	24-JUL-2006 23:39:08	Dark	52.000	13	87Alp Tau	0.86700	3800.0	104	23001	No
229	GOM_NL__2PRFIN20060724_234112_000000362049_00402_23001_0614.N1	24-JUL-2006 23:41:12	Dark	36.000	27	24Gam Ori	1.6360	26000.	72	23001	No
230	GOM_NL__2PRFIN20060724_234527_000000412049_00402_23001_0615.N1	24-JUL-2006 23:45:27	Dark	40.500	7	19Bet Ori	0.10000	14000.	81	23001	No
231	GOM_NL__2PRFIN20060724_234916_000000482049_00402_23001_0616.N1	24-JUL-2006 23:49:16	Dark	47.500	165	34Gam Eri	2.9500	3200.0	95	23001	No
232	GOM_NL__2PRFIN20060724_235834_000000382049_00402_23001_0617.N1	24-JUL-2006 23:58:34	Dark	37.500	157	The1Eri	2.9060	9300.0	75	23001	No

3. Quality information per product

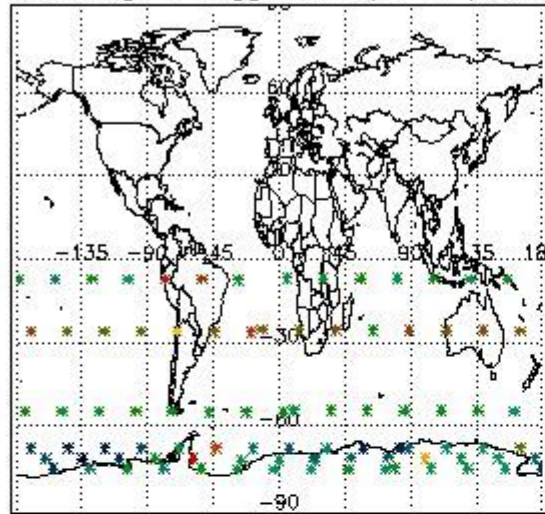
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

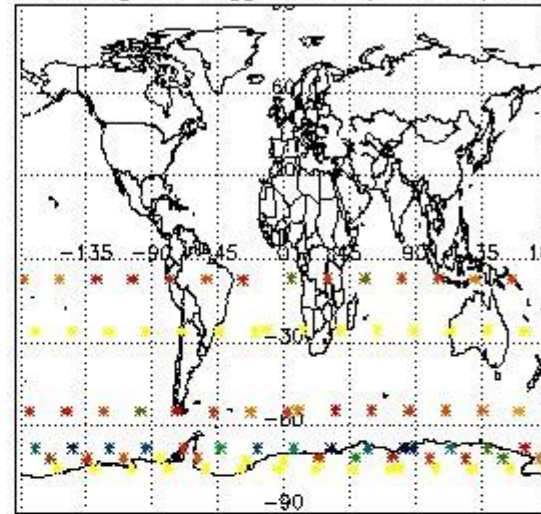


3.2 Plot quality information per product (world map)

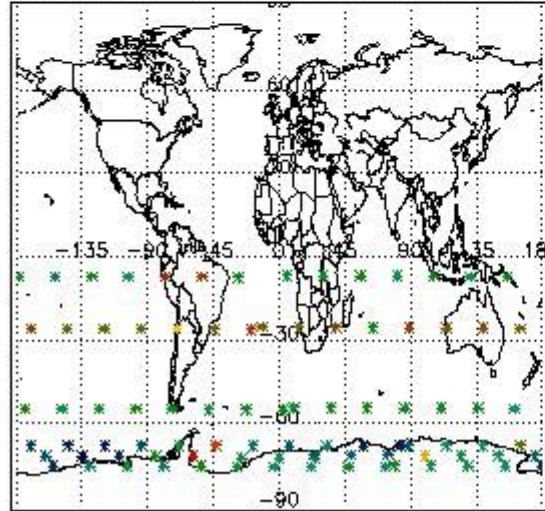
Percentage of flagged data per O3 profile



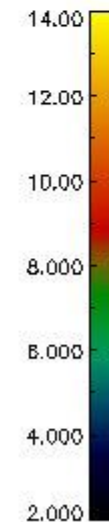
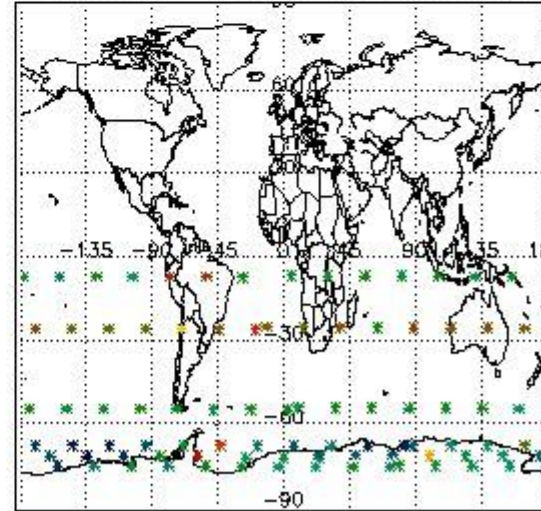
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

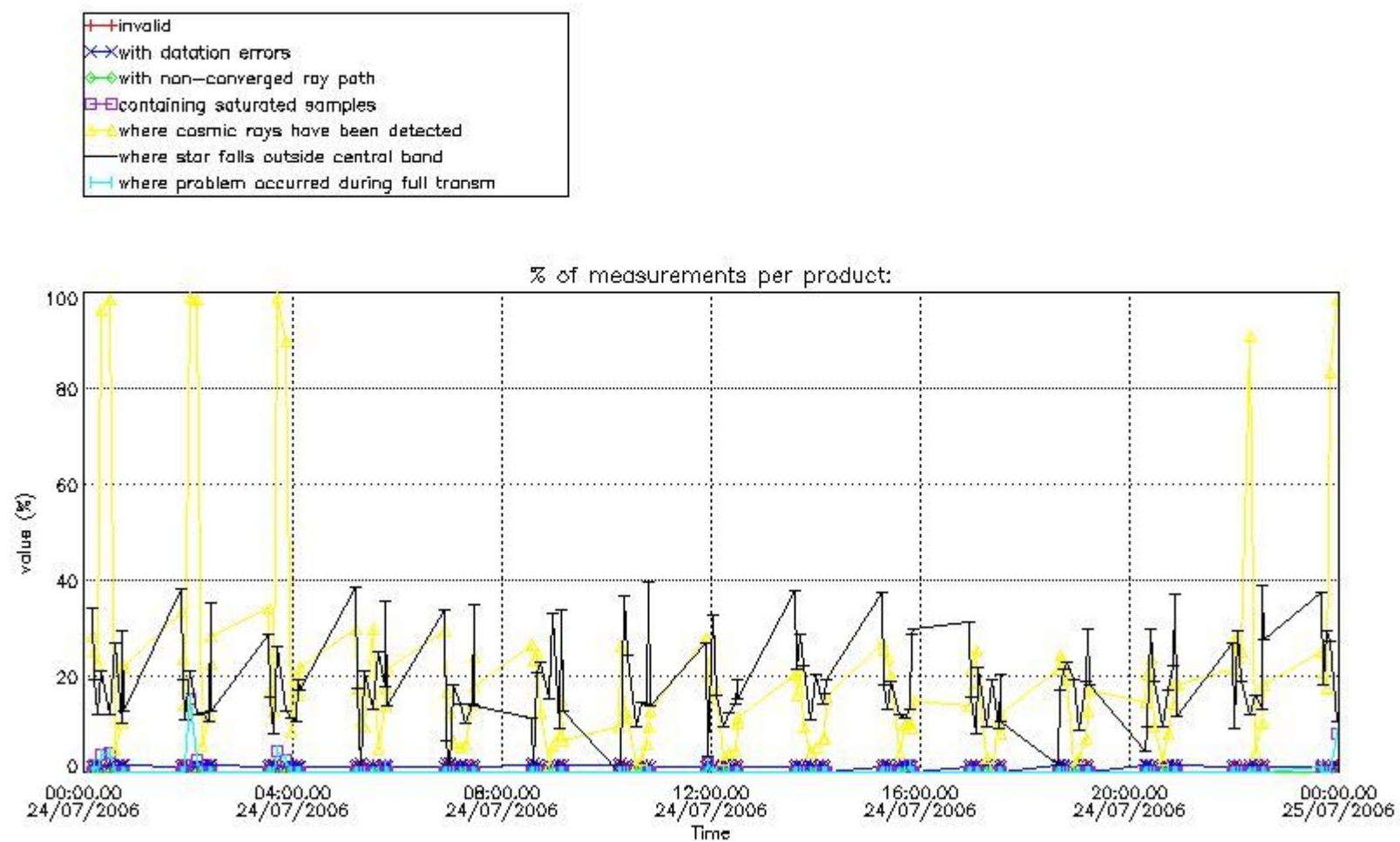


4. Level 1 quality information per product

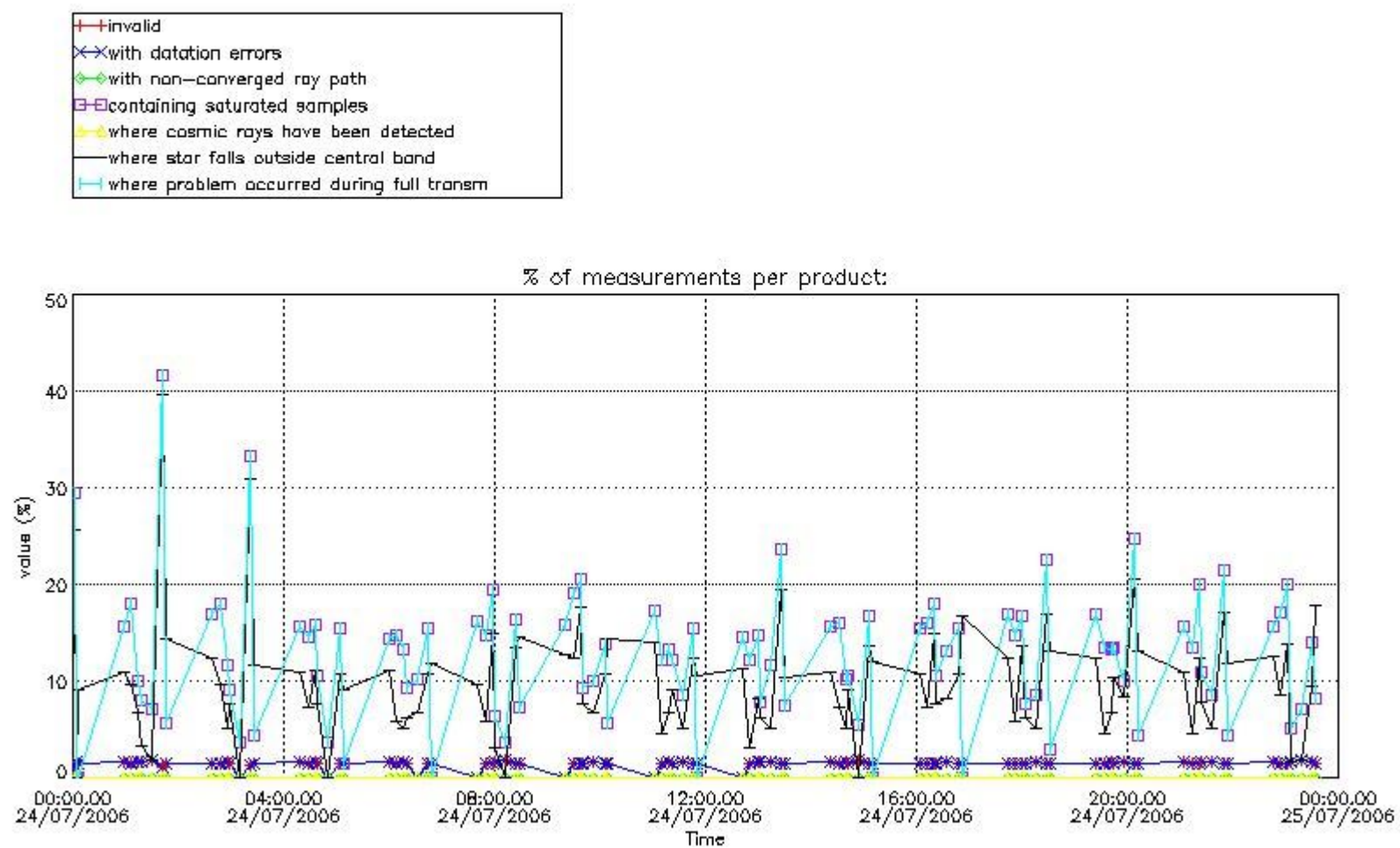
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



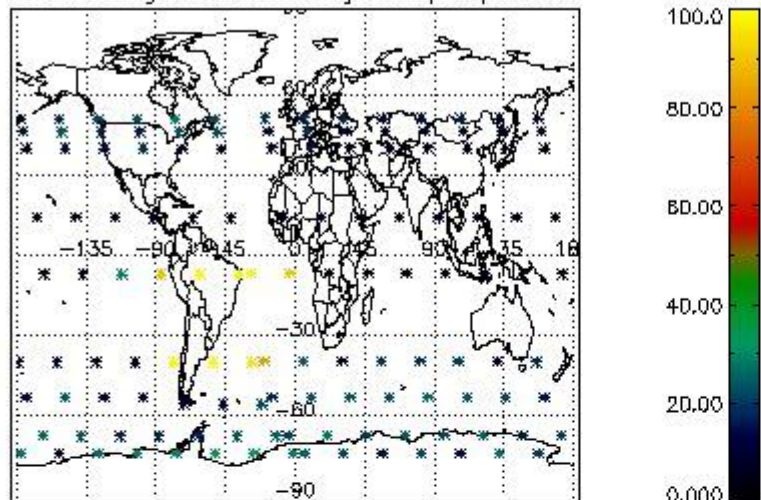
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



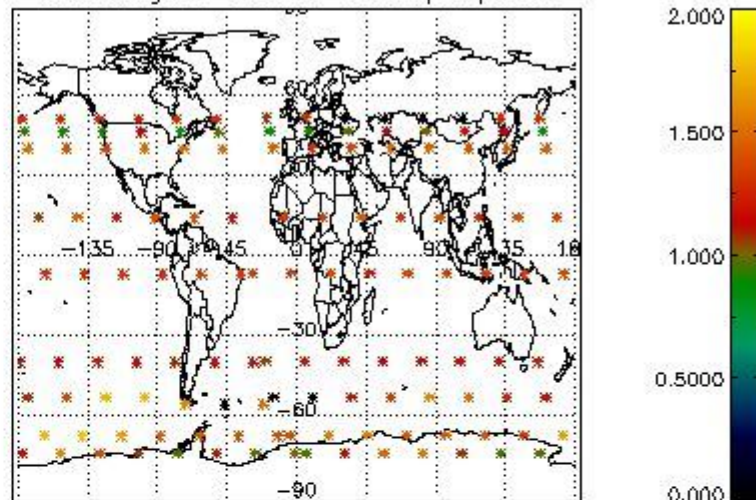
4.2 Plot quality information per product coming from level 1b processing (world map)

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

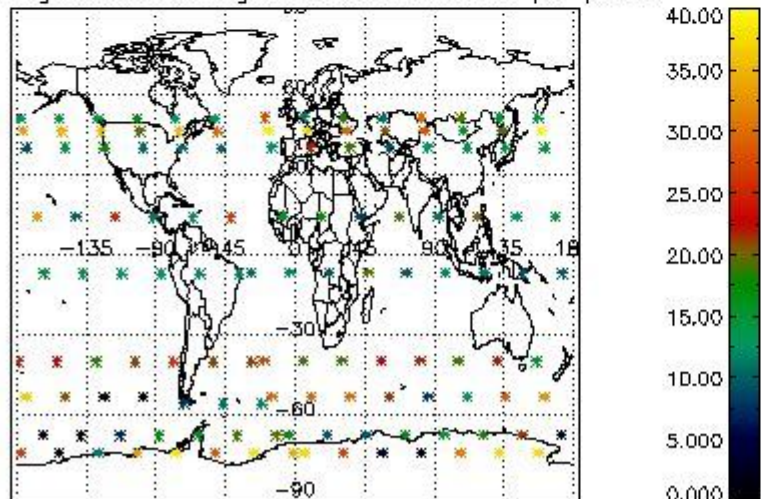
Percentage of cosmic ray hits per profile



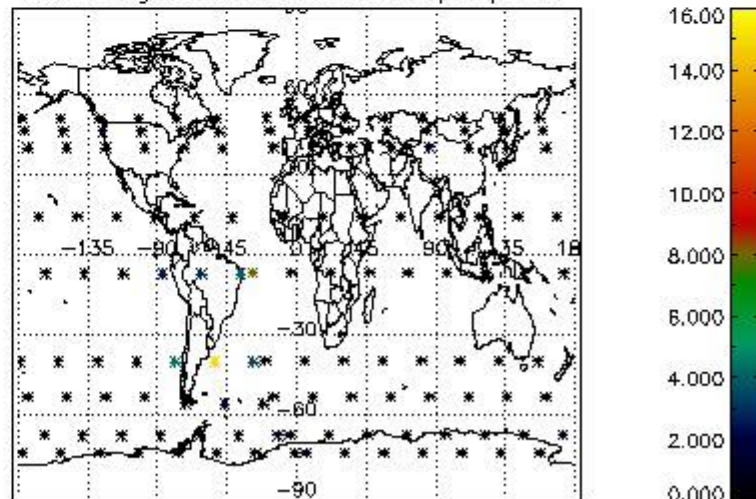
Percentage of datation errors per profile



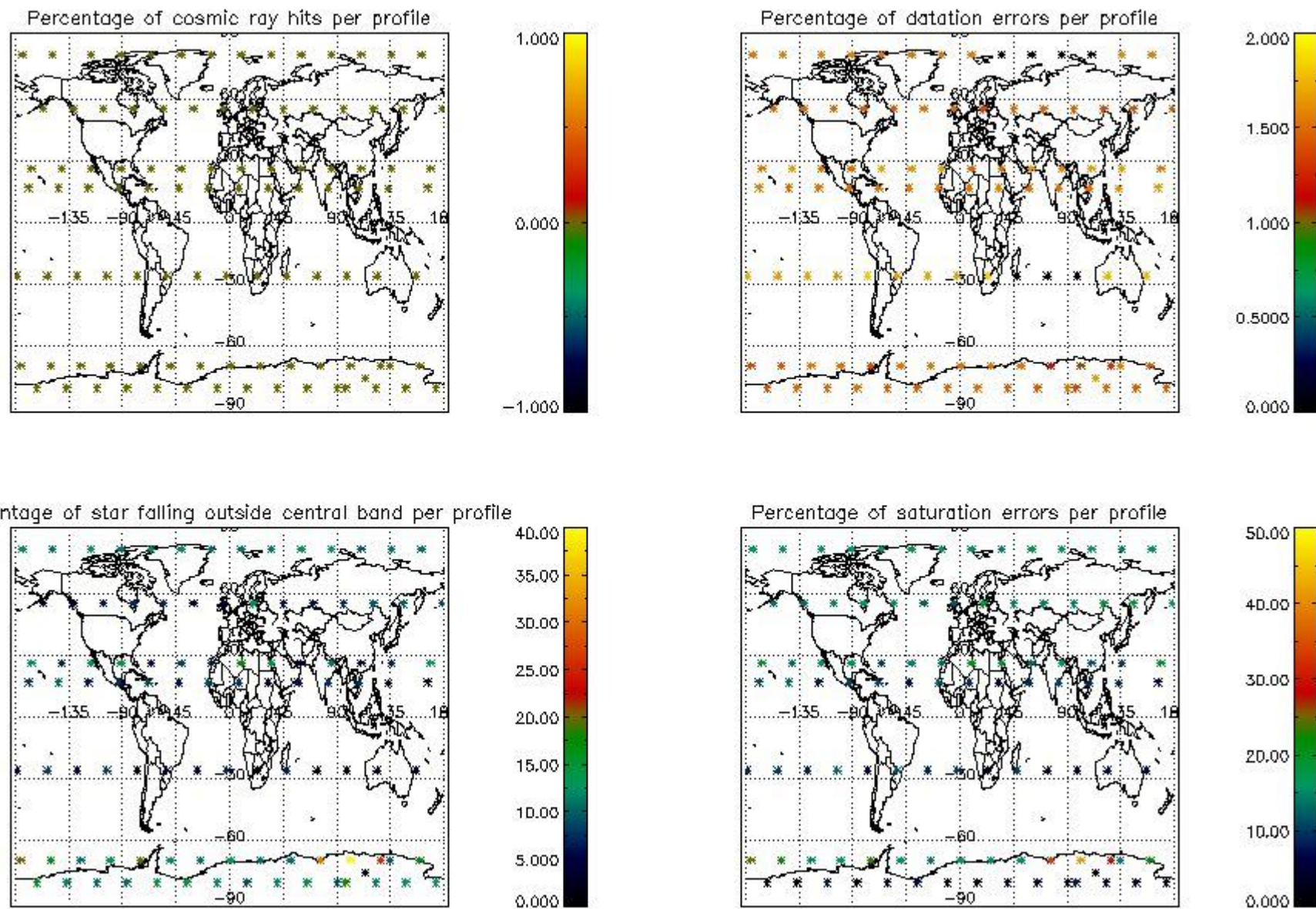
Percentage of star falling outside central band per profile



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

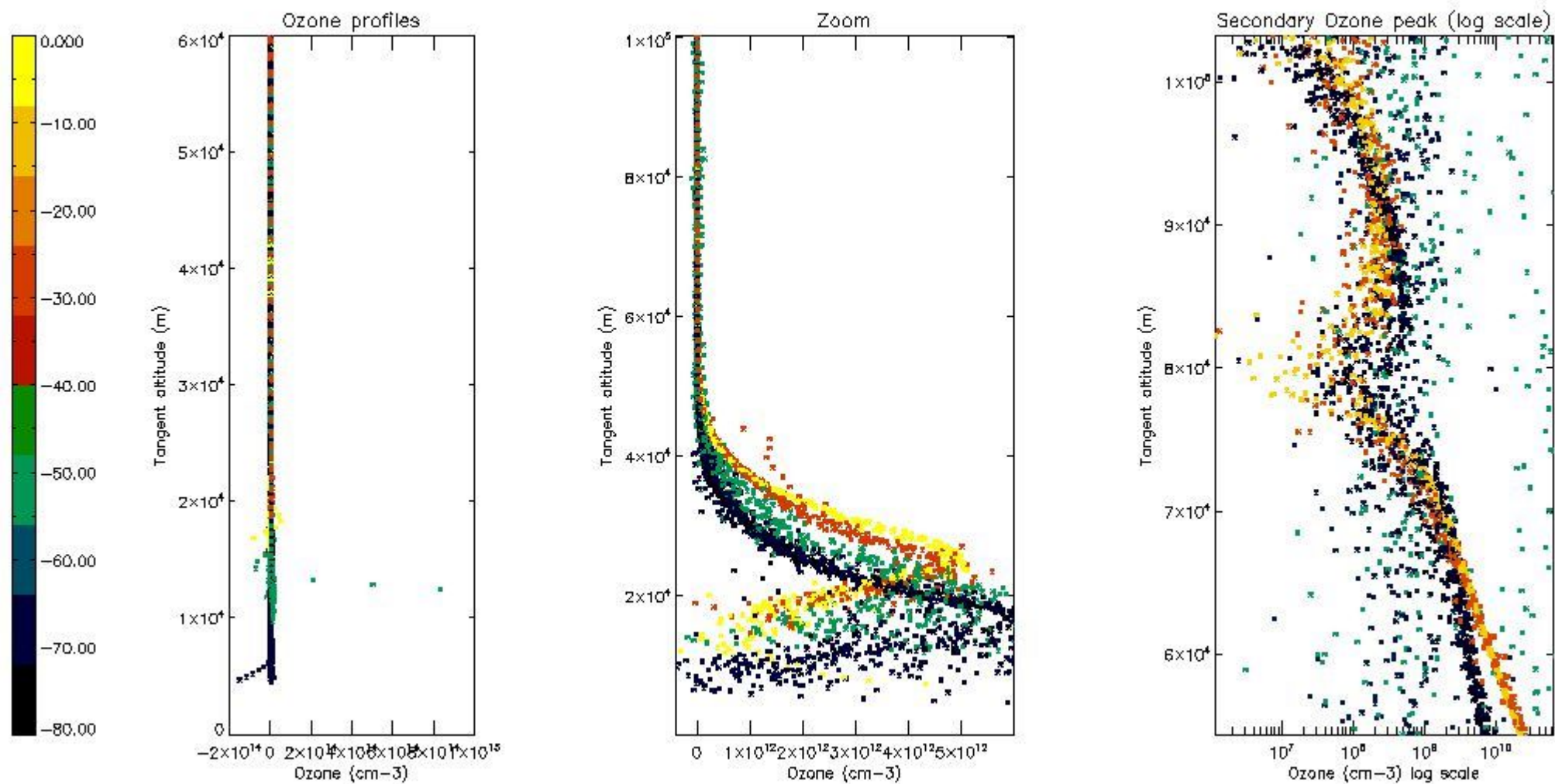
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	41
STD < 20	23

STD < 10	18
STD < 5	12

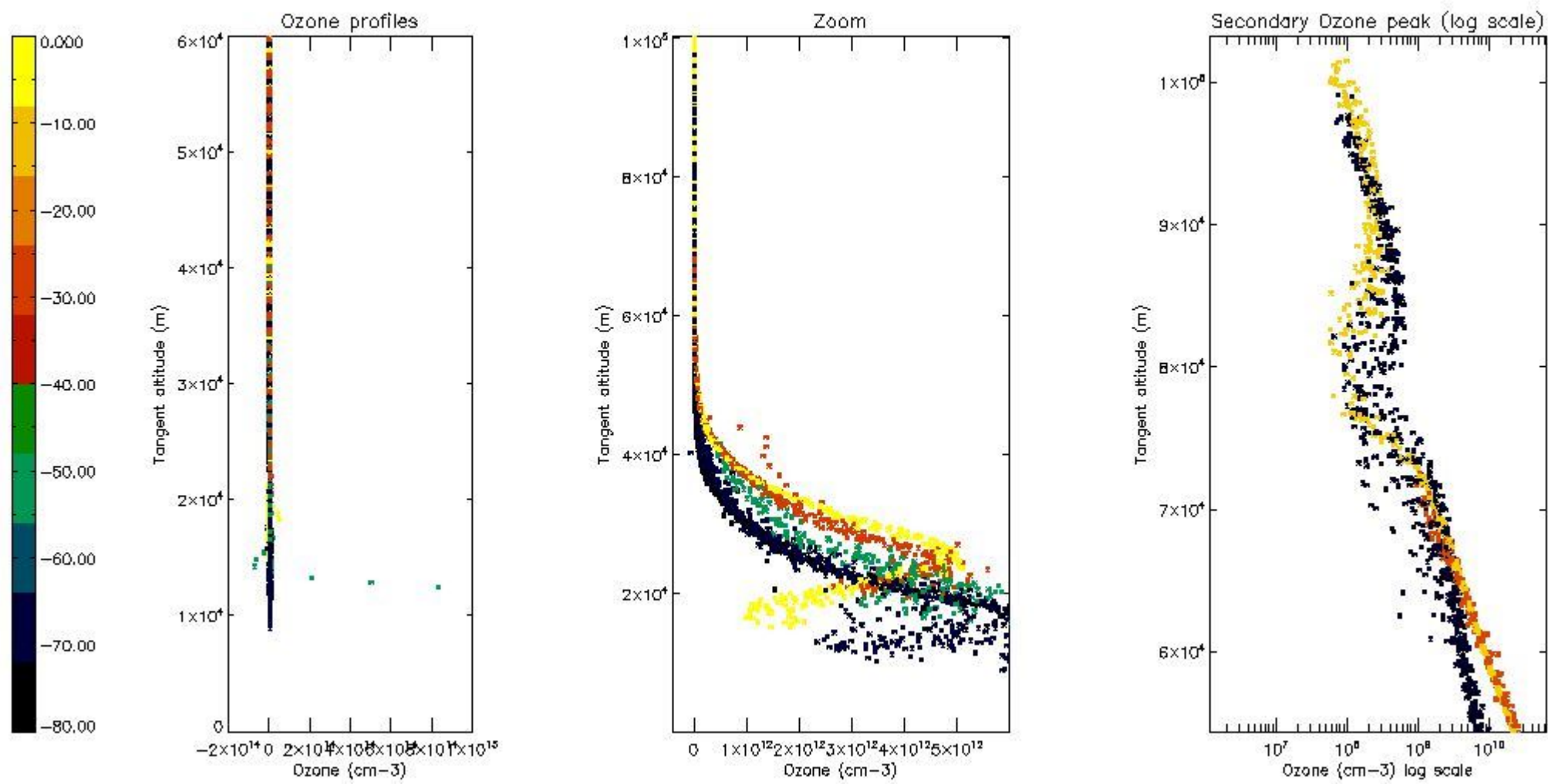
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



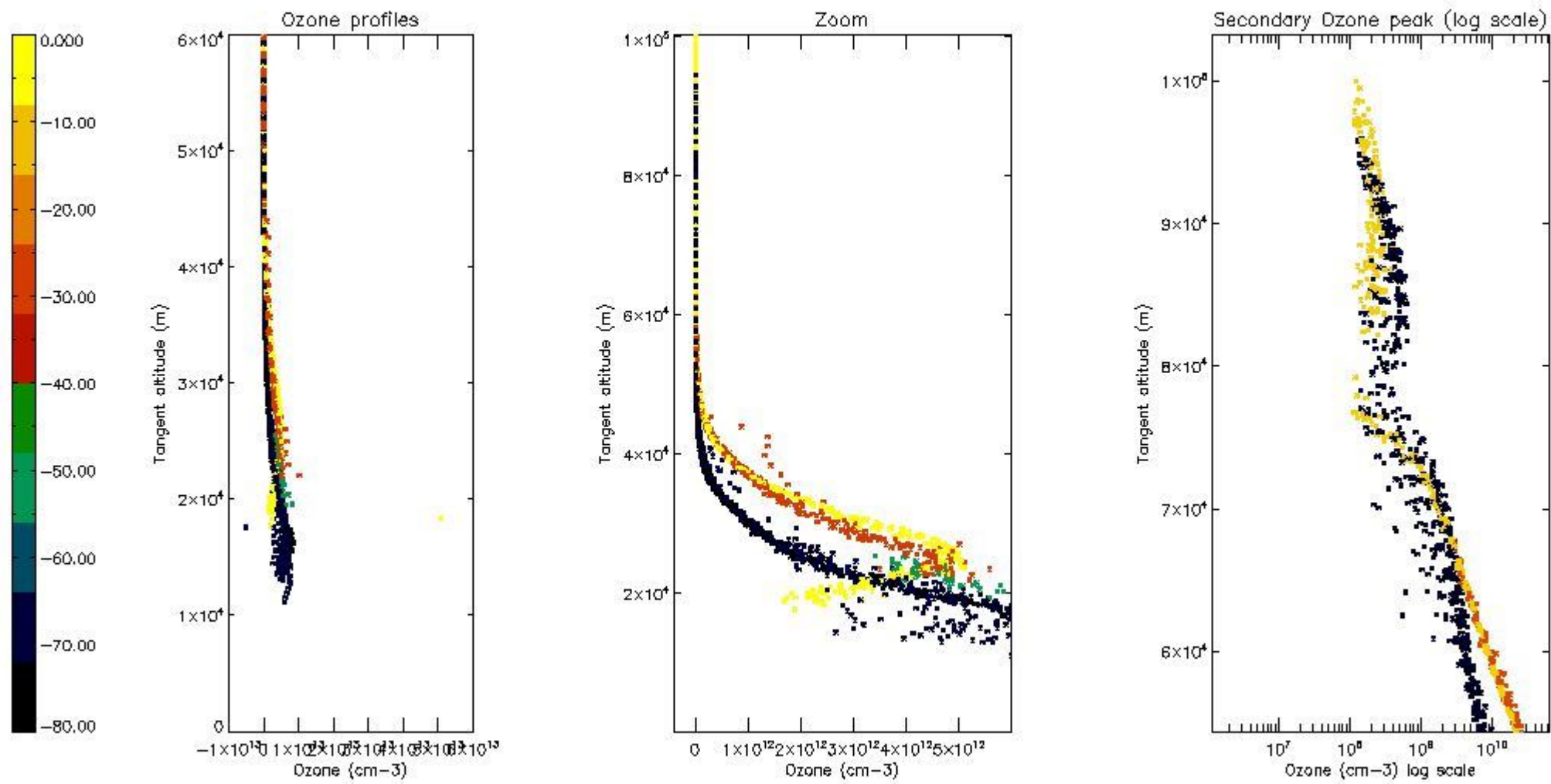
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



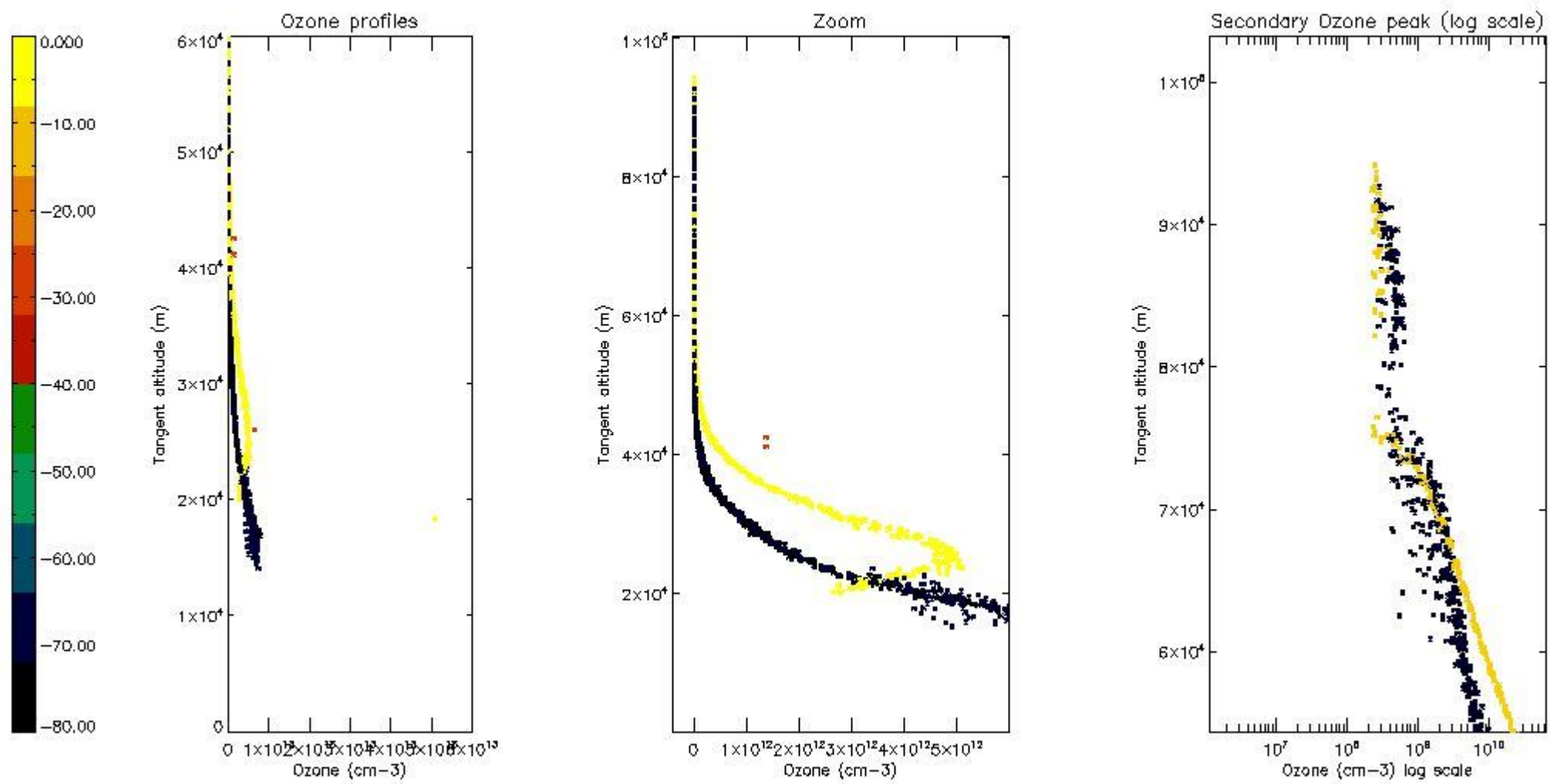
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



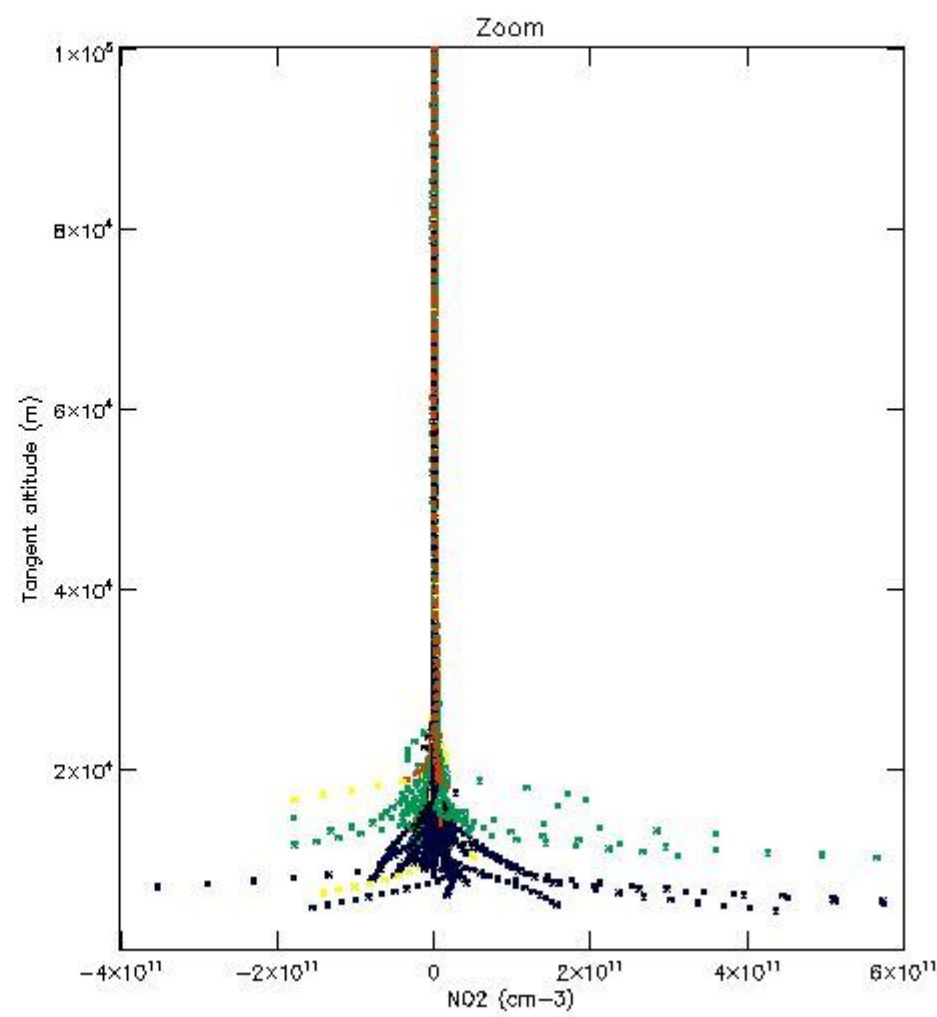
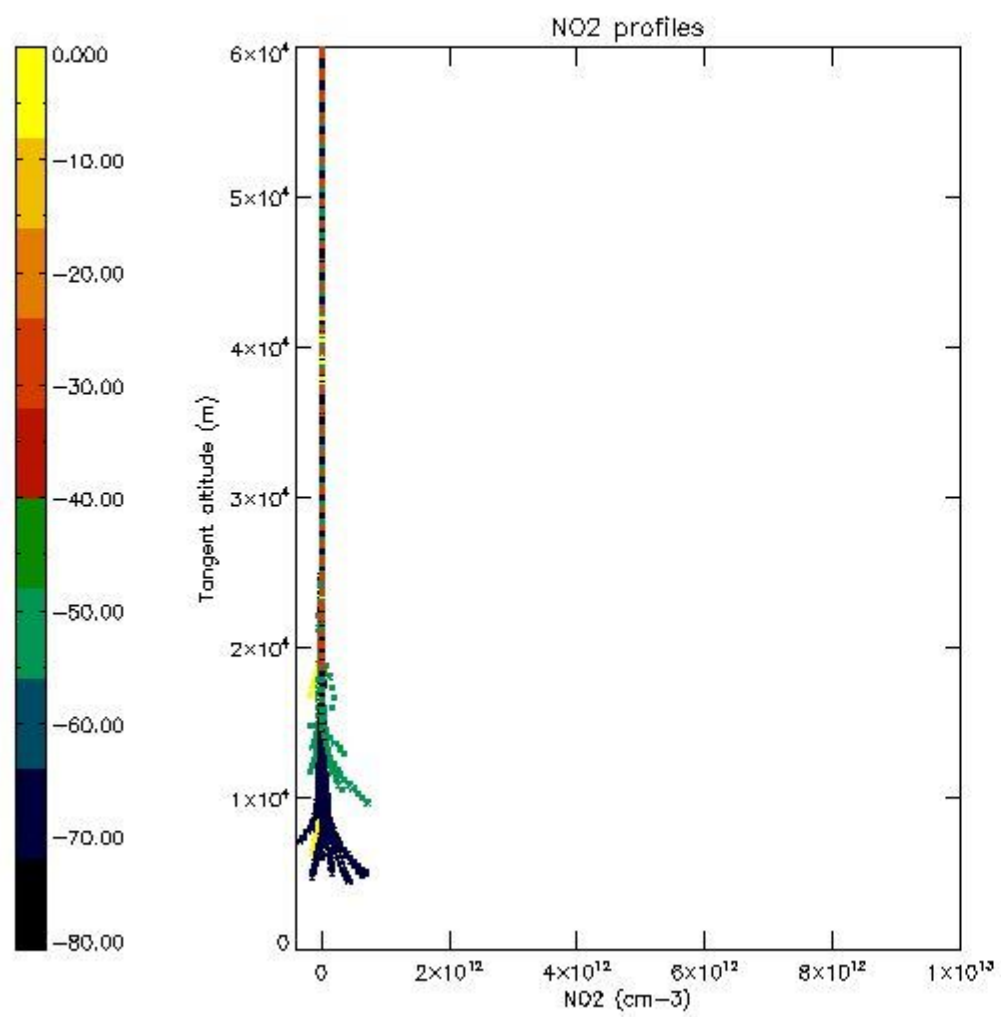
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



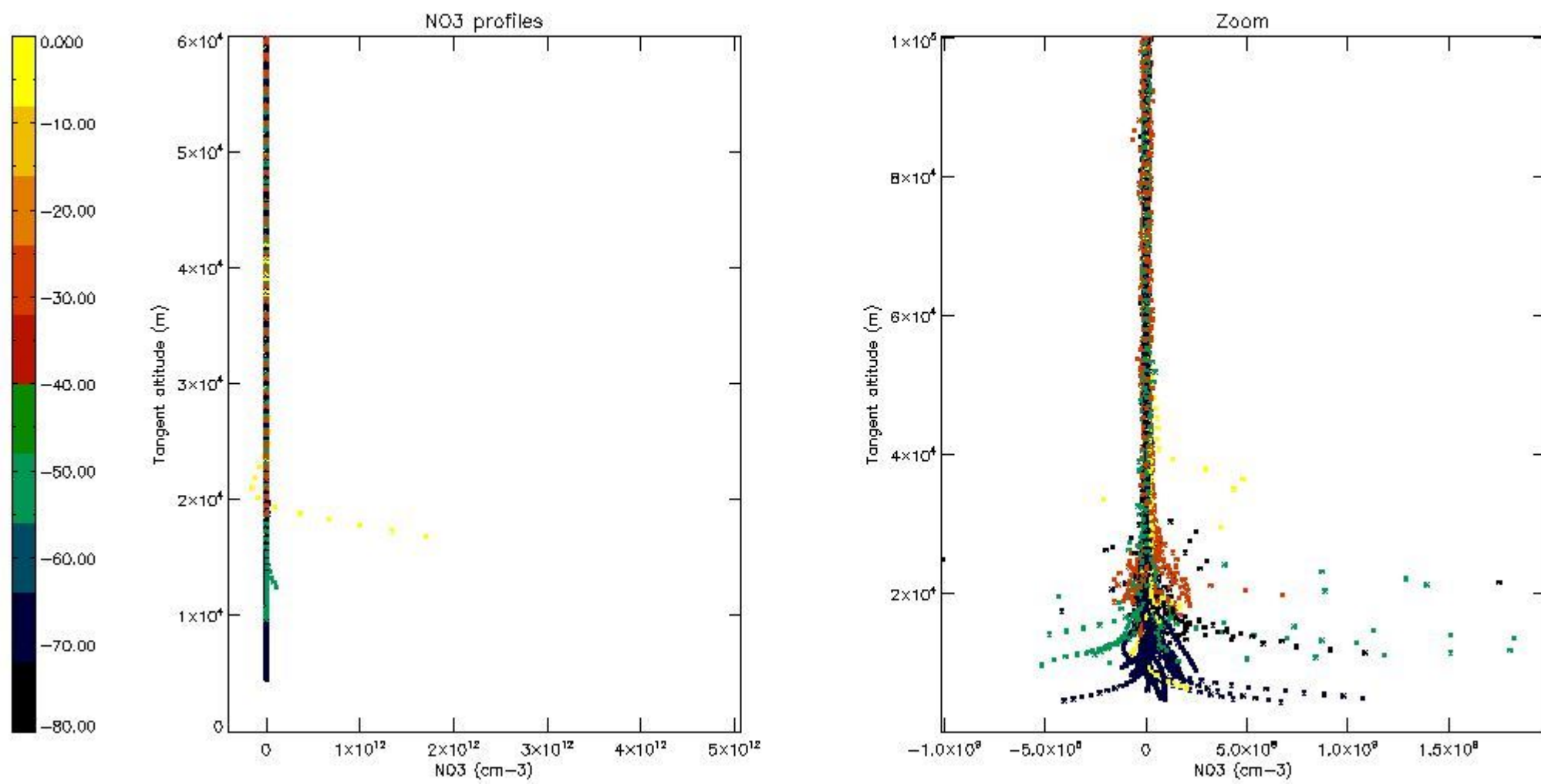
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



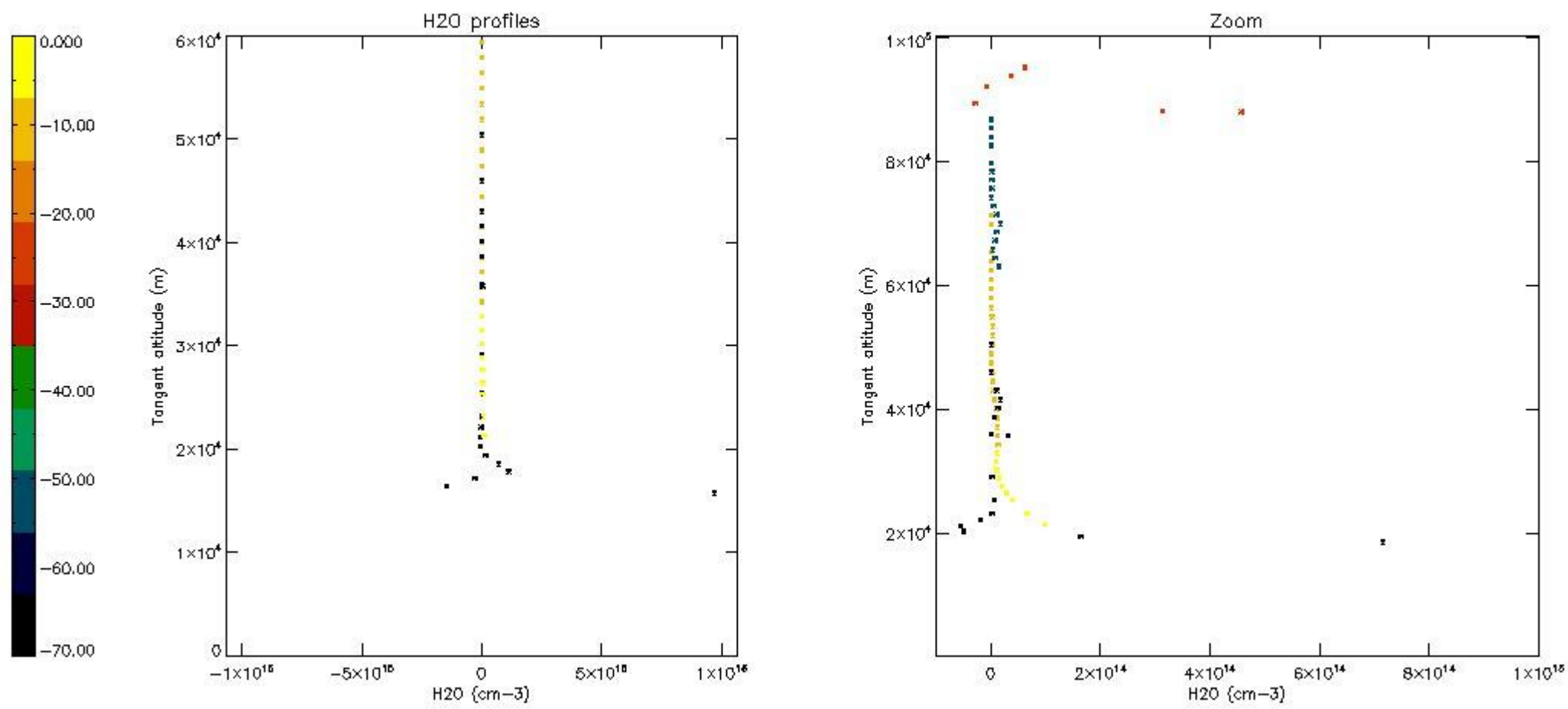
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

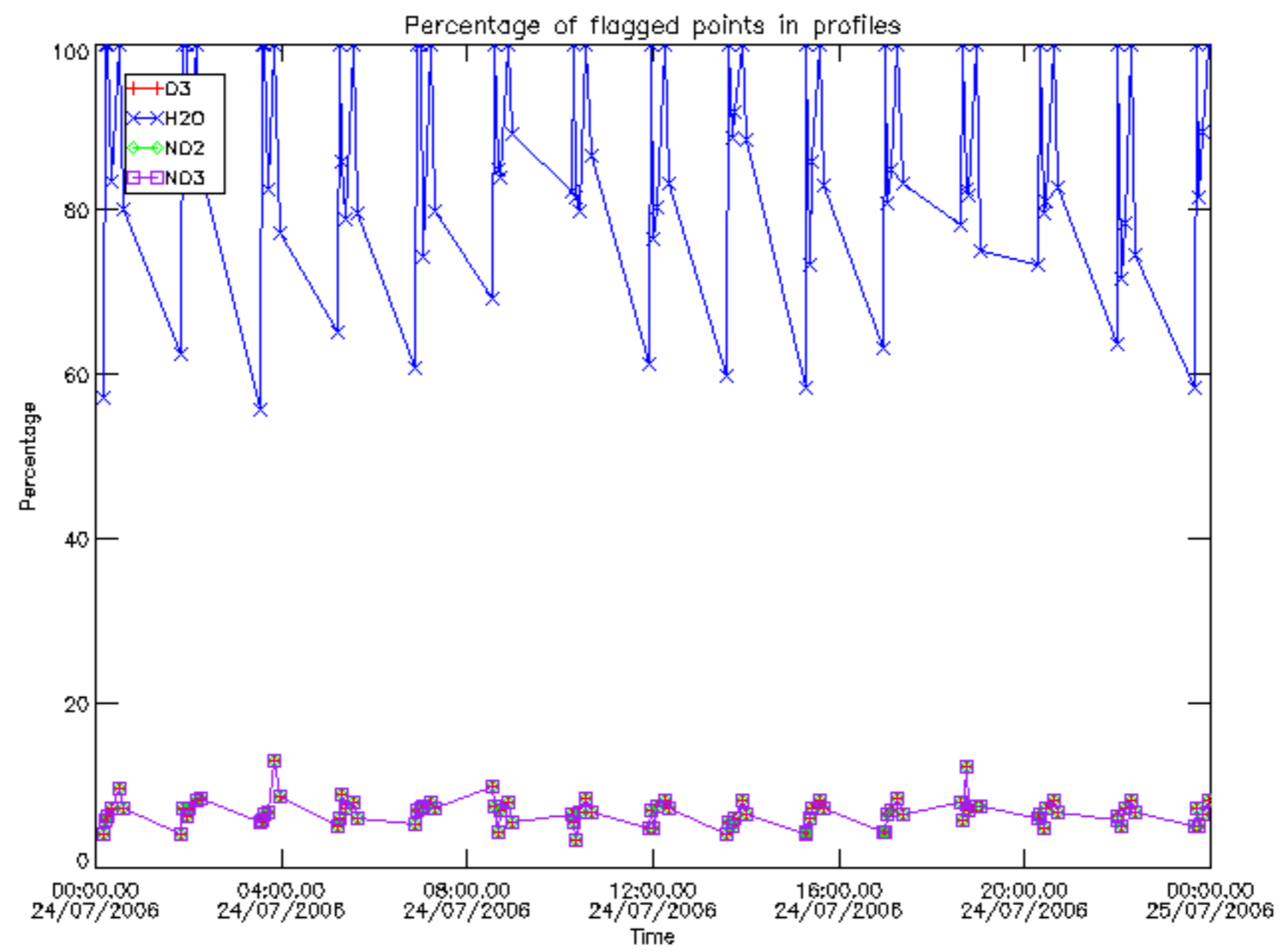
The colorbar represents the latitude.



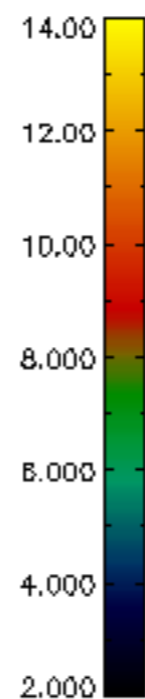
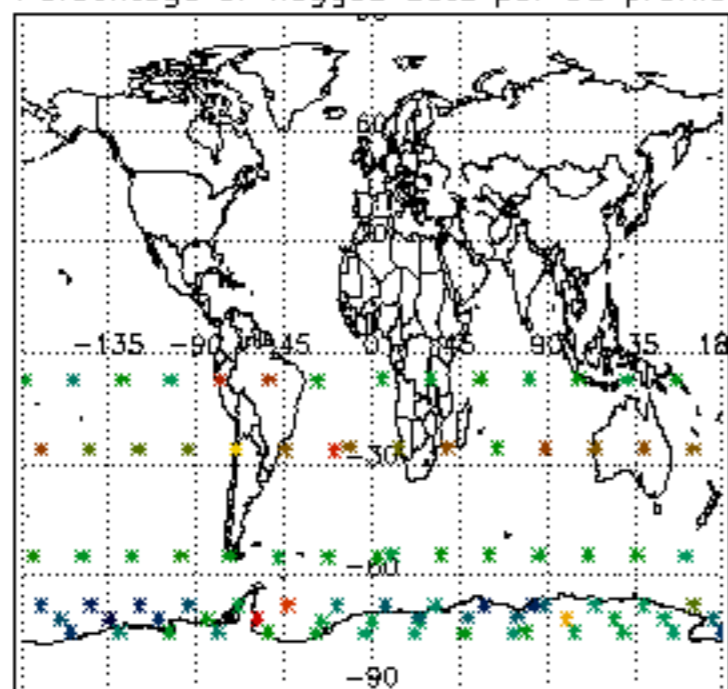
6. Auxiliary Data Files used for the production reported in section 2

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.

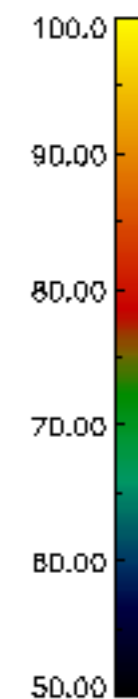
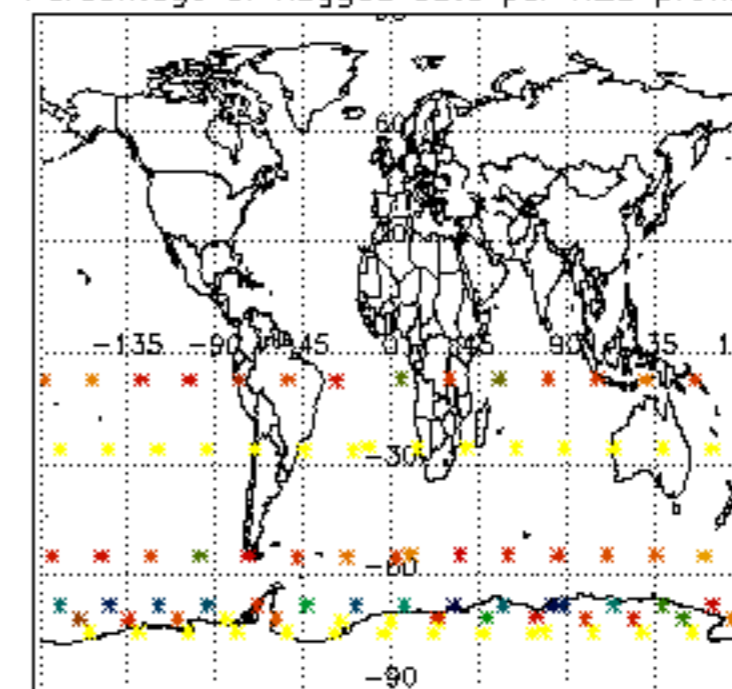
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	24-JUL-2006 00:01:28
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	24-JUL-2006 00:01:28
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	24-JUL-2006 00:01:28



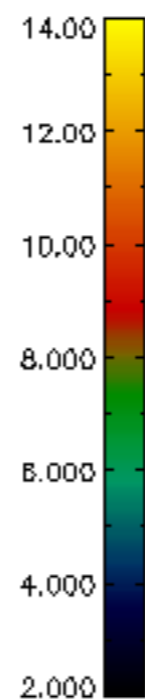
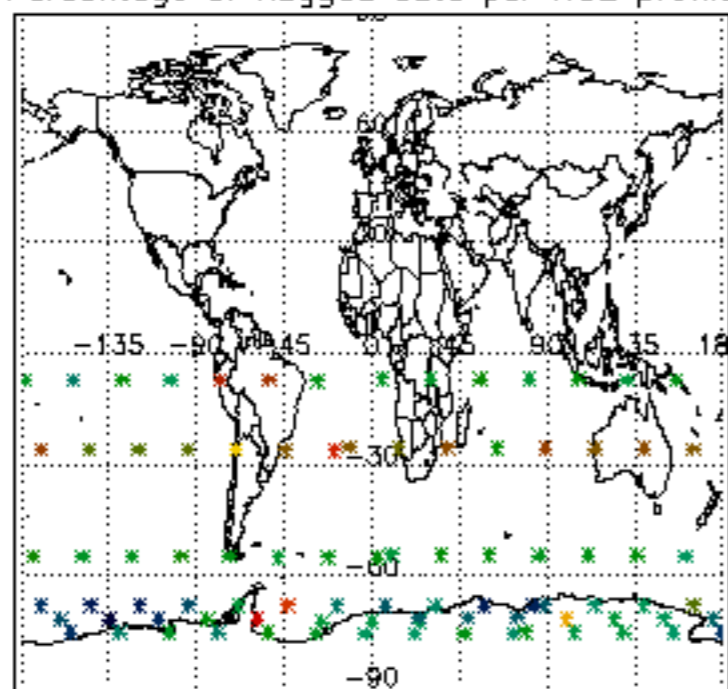
Percentage of flagged data per D3 profile



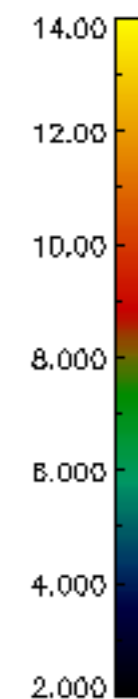
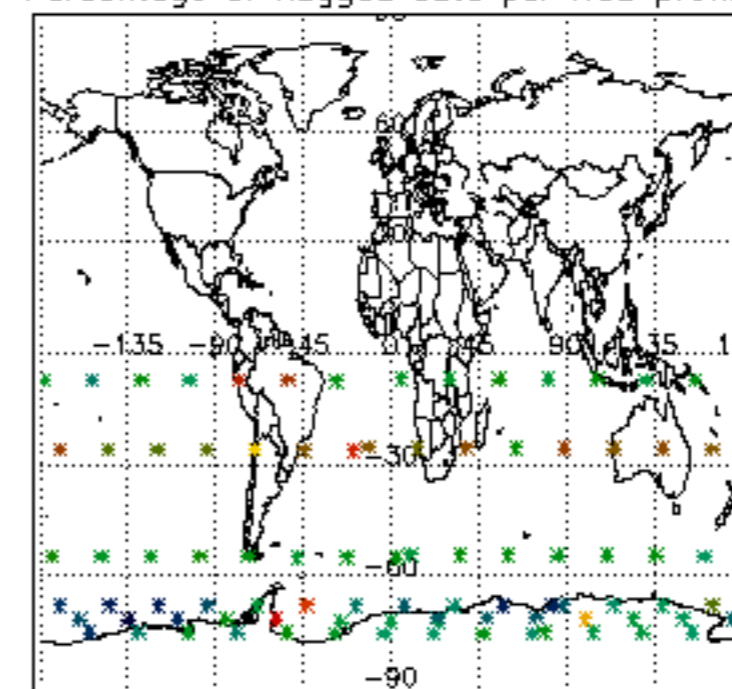
Percentage of flagged data per H2O profile

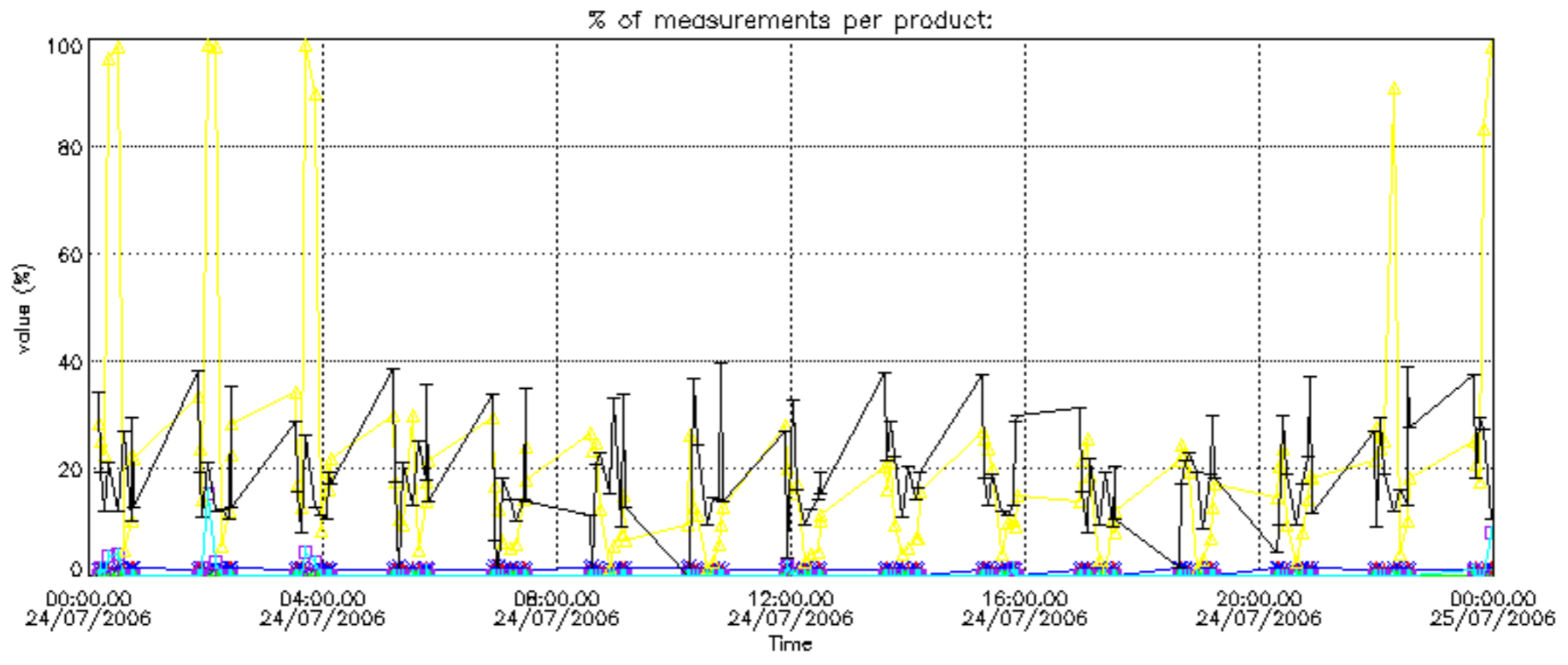


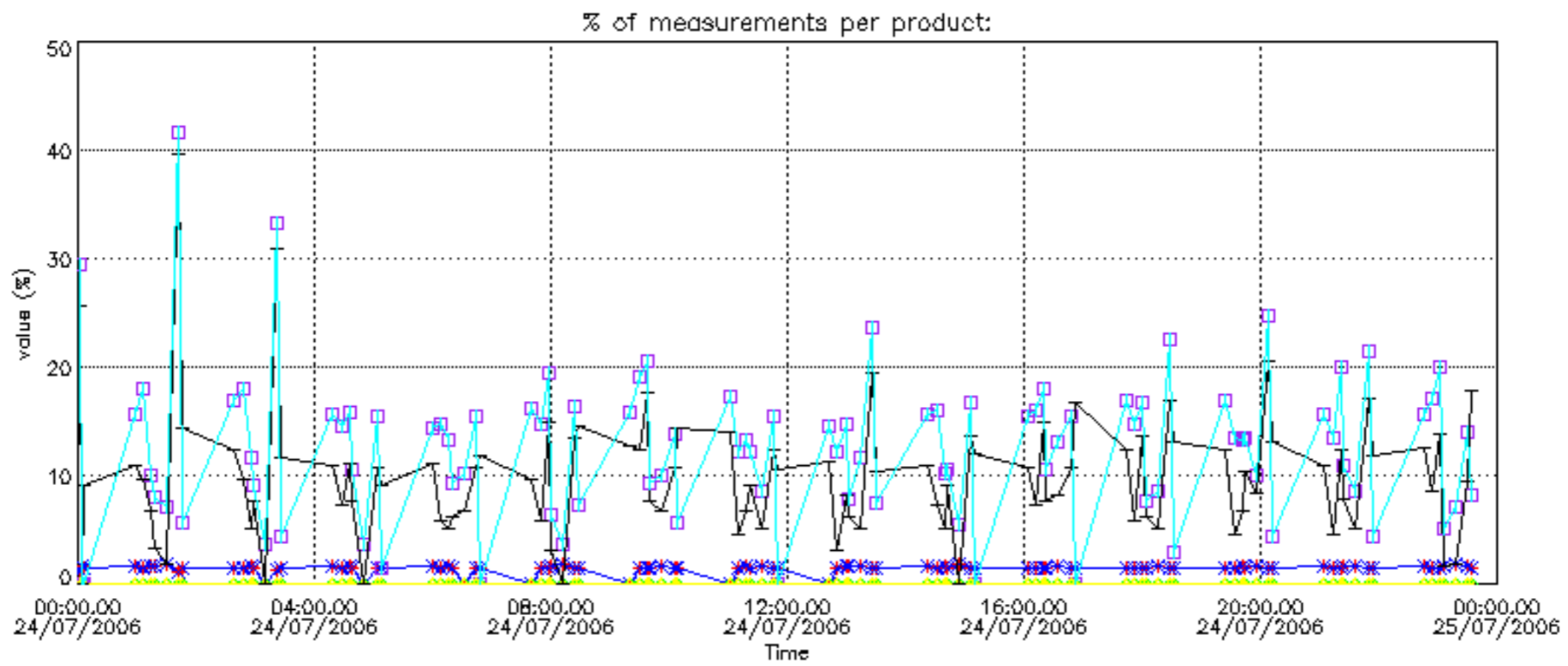
Percentage of flagged data per NO2 profile



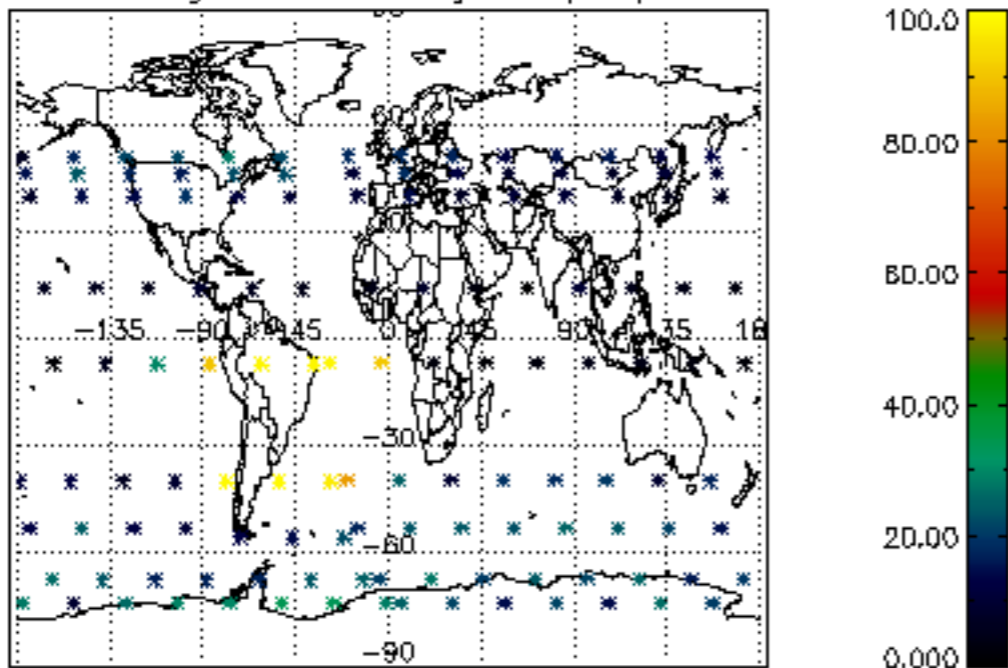
Percentage of flagged data per NO3 profile



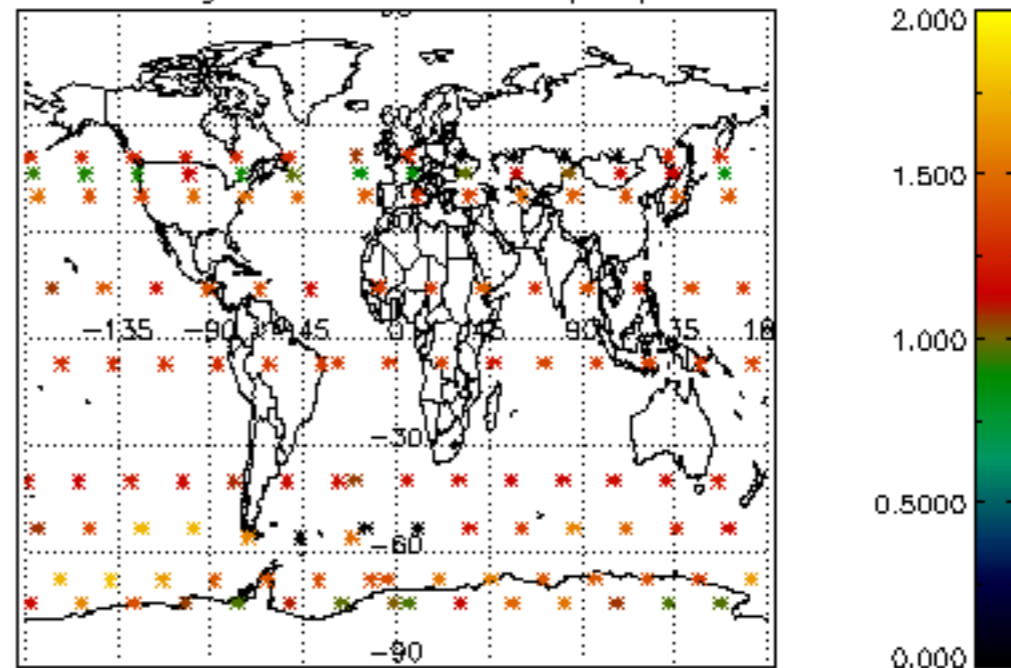




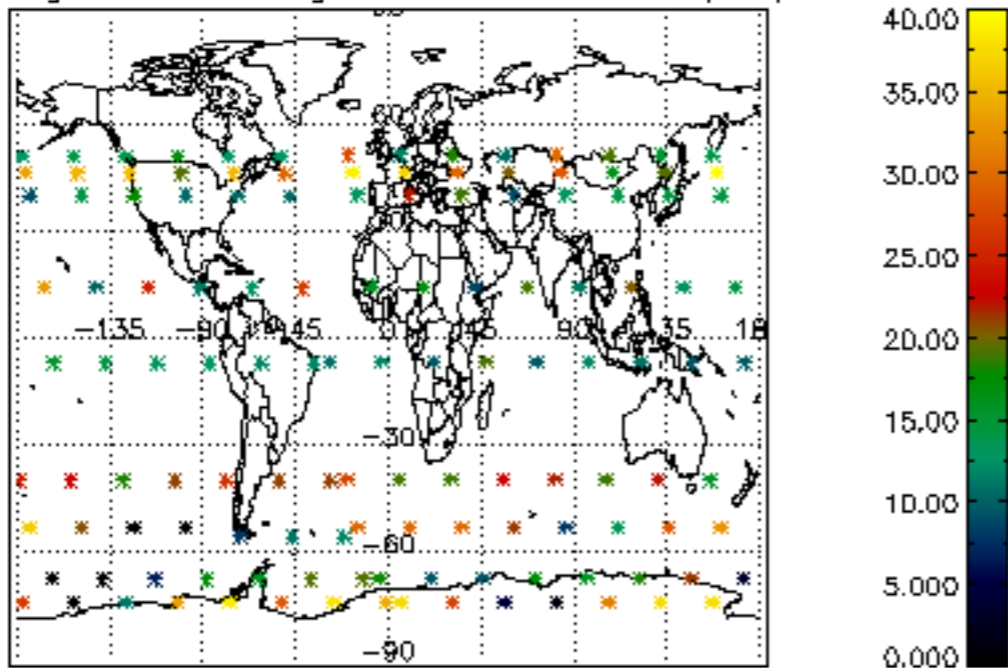
Percentage of cosmic ray hits per profile



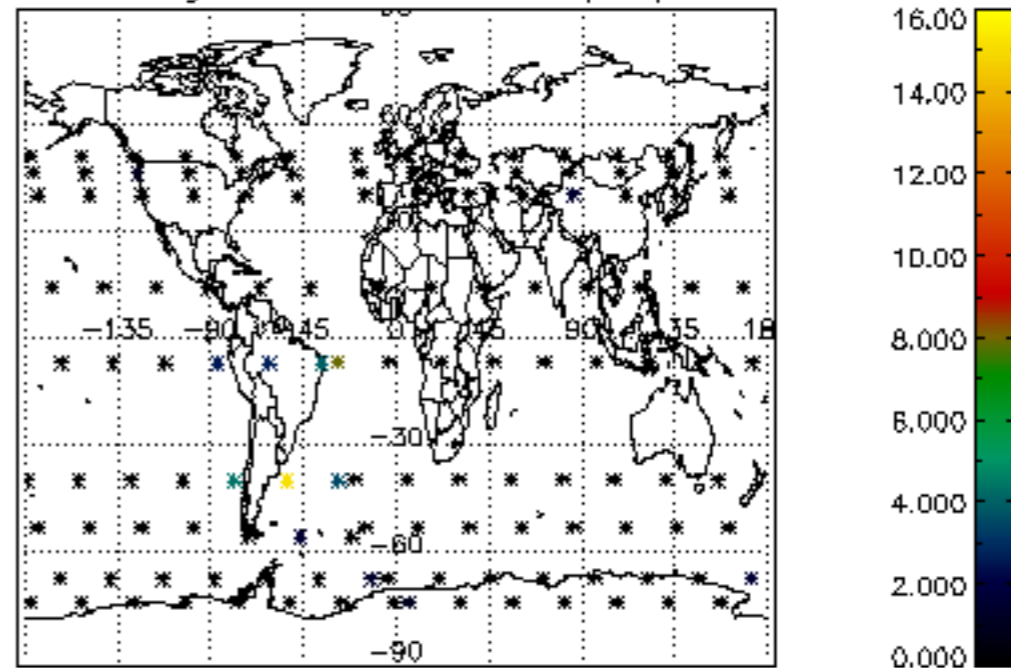
Percentage of datation errors per profile



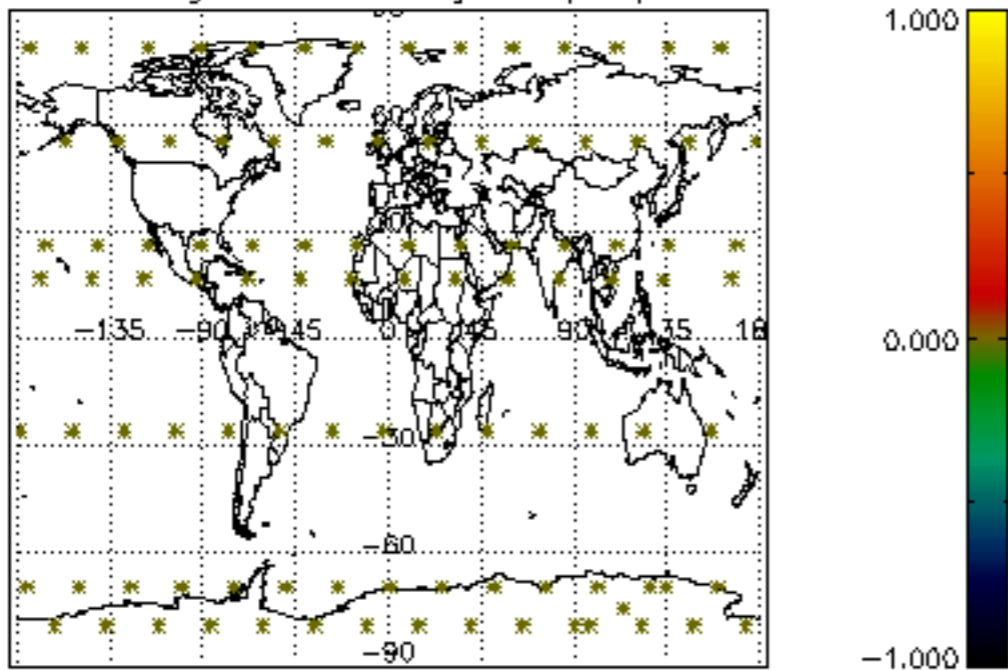
Percentage of star falling outside central band per profile



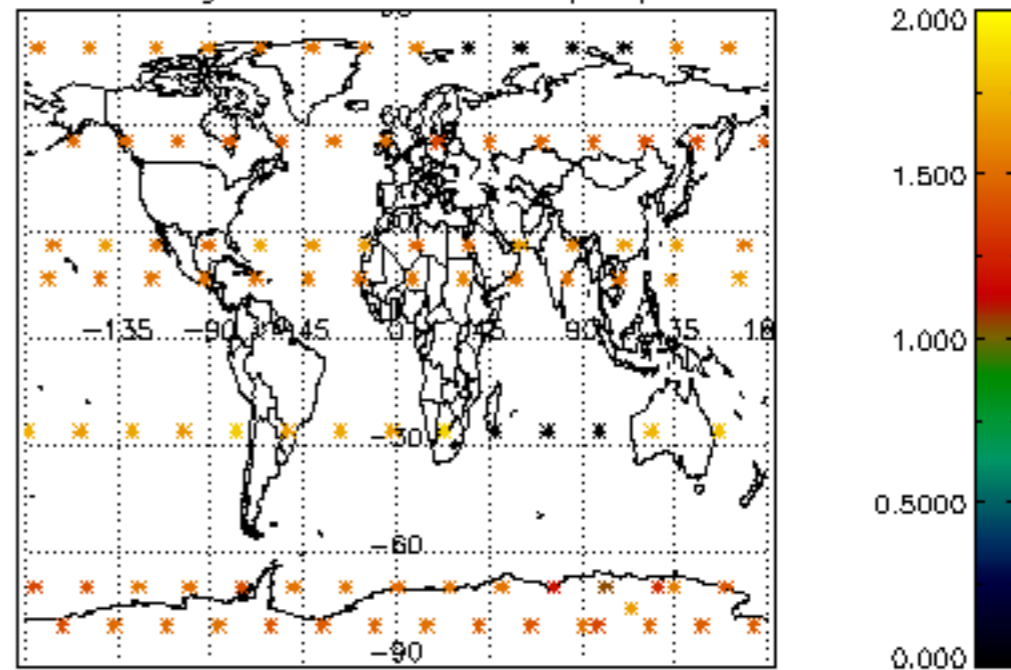
Percentage of saturation errors per profile



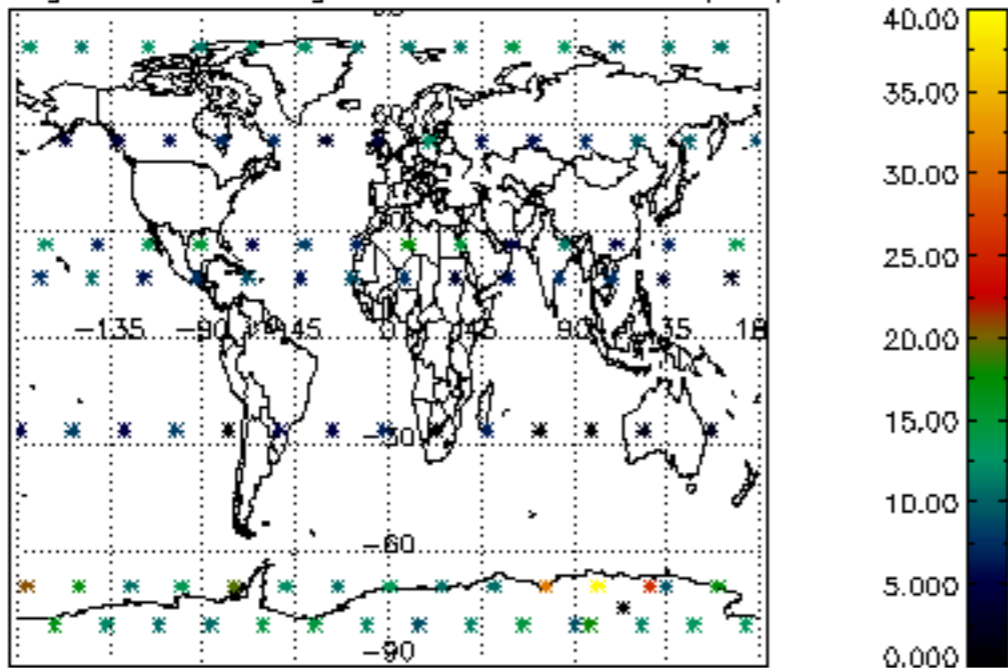
Percentage of cosmic ray hits per profile



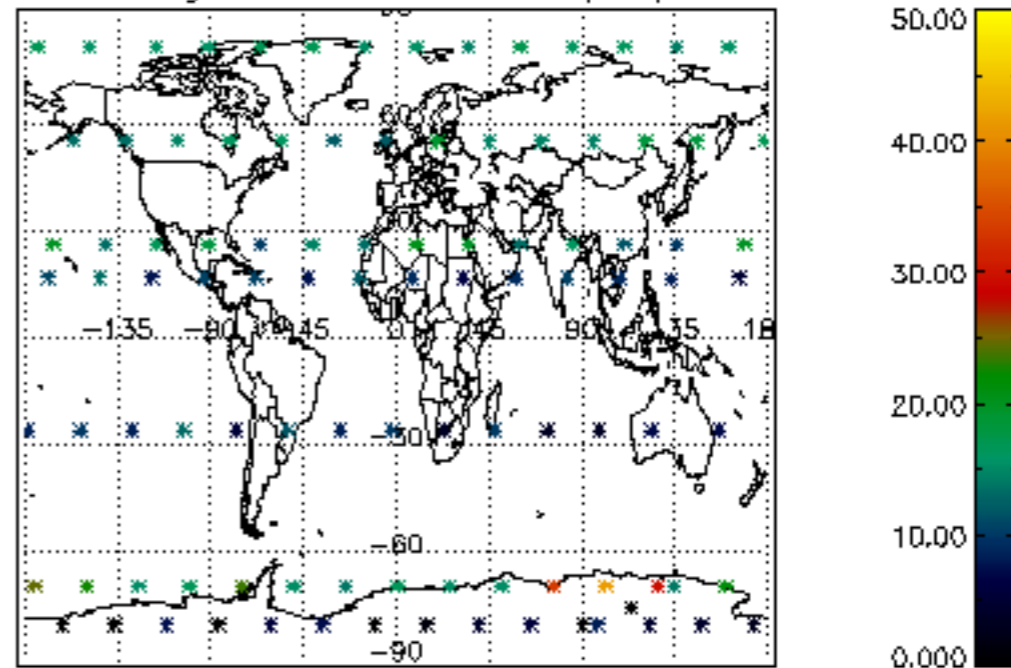
Percentage of datation errors per profile

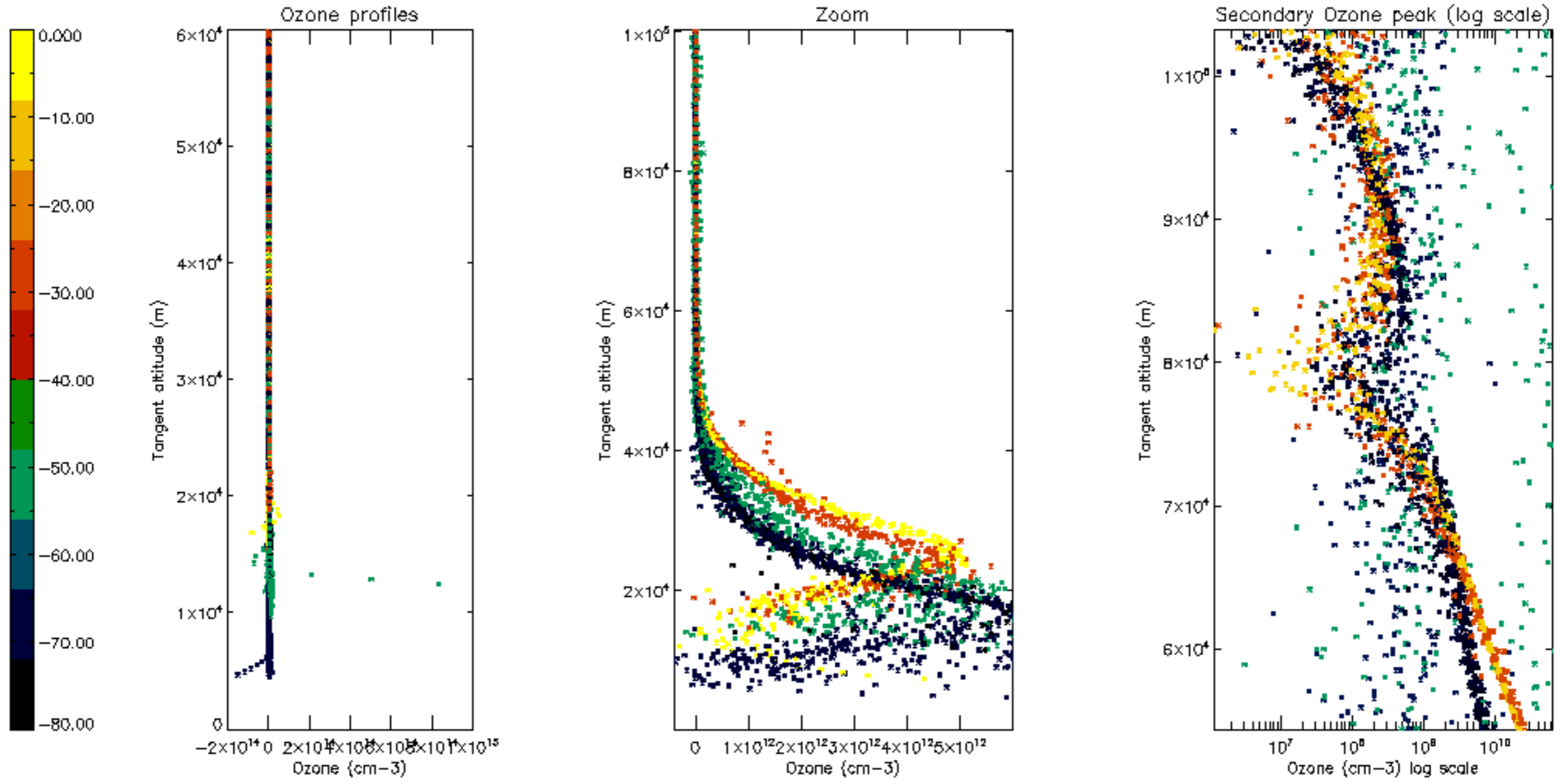


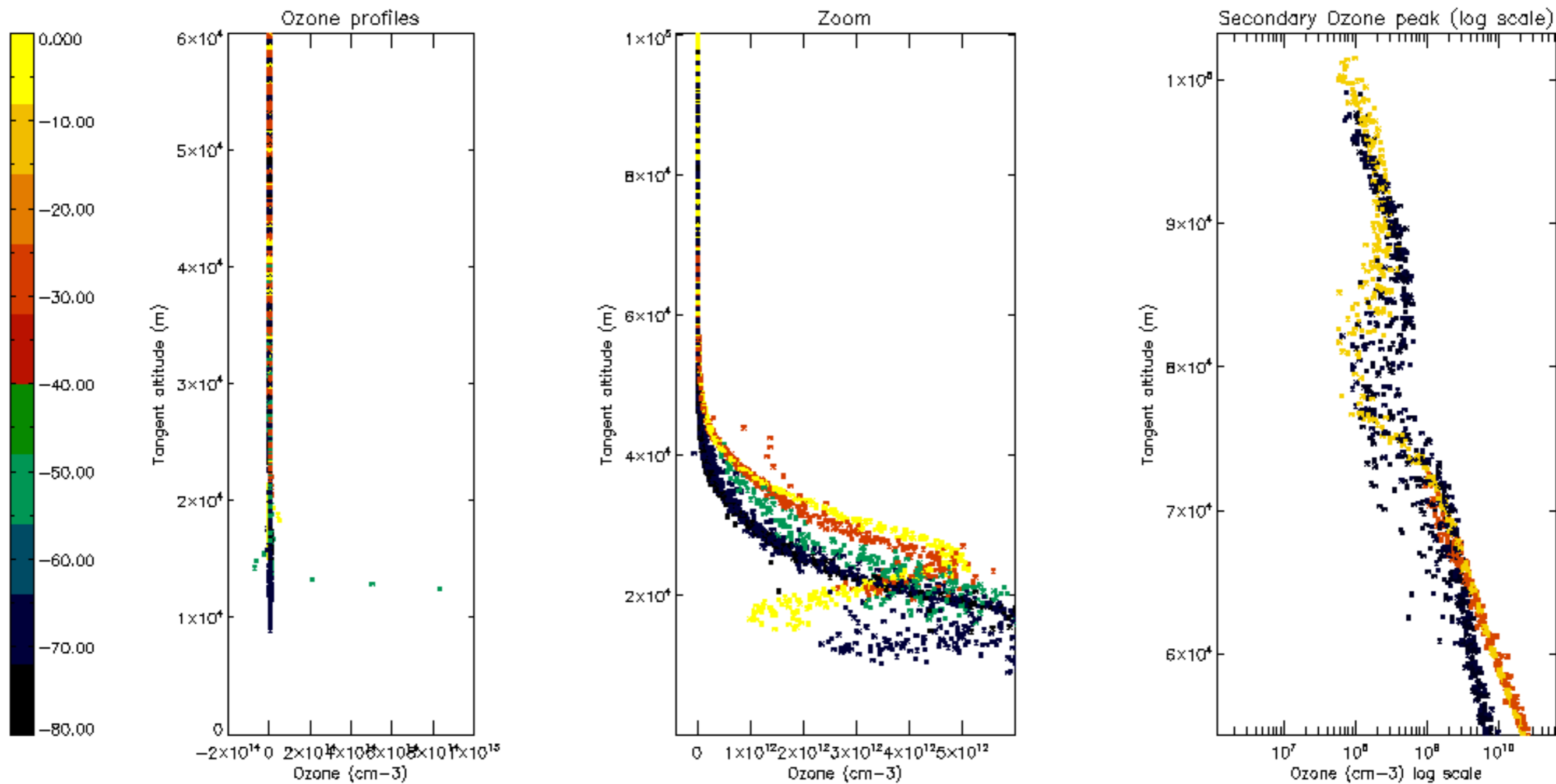
Percentage of star falling outside central band per profile

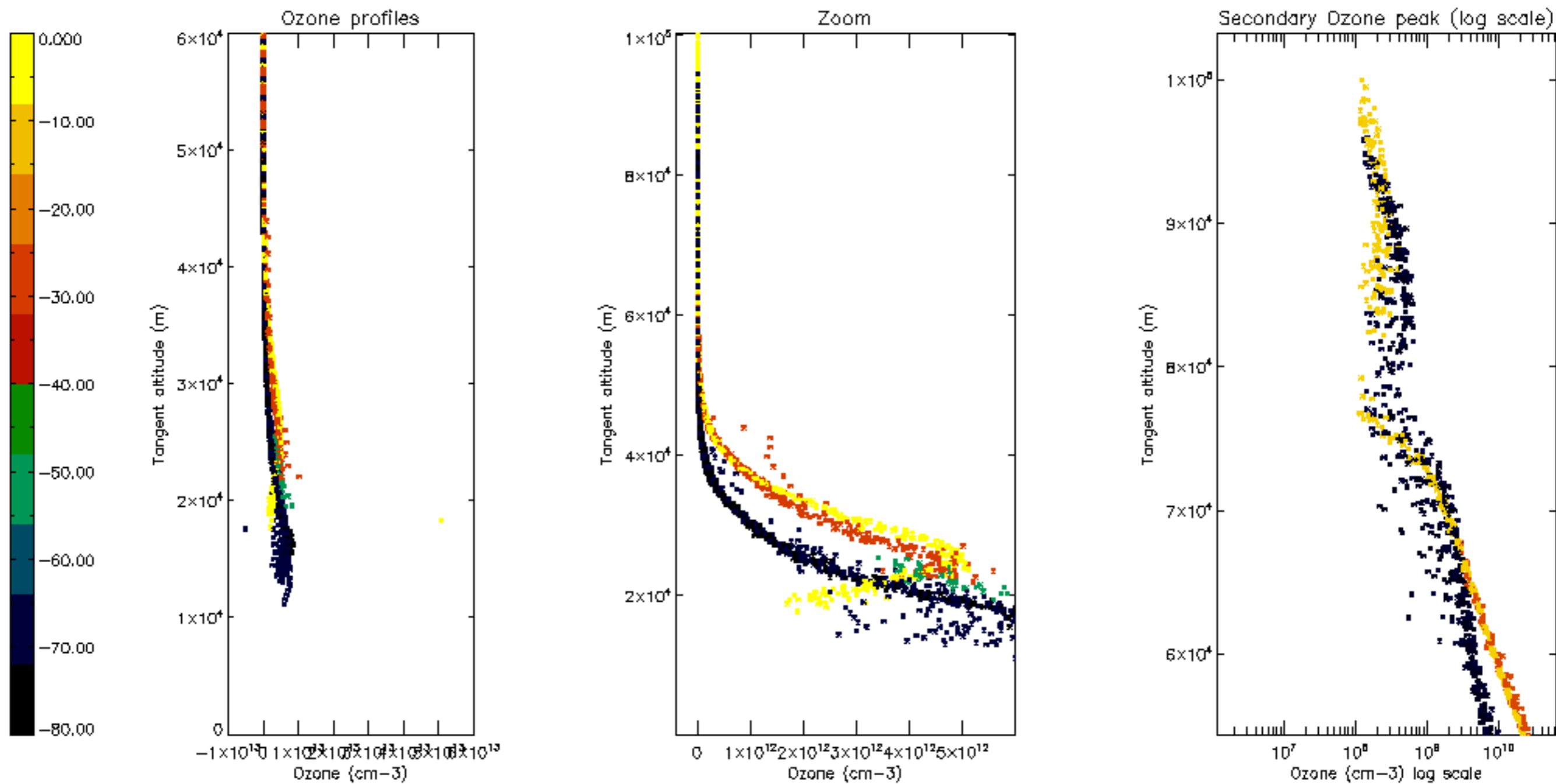


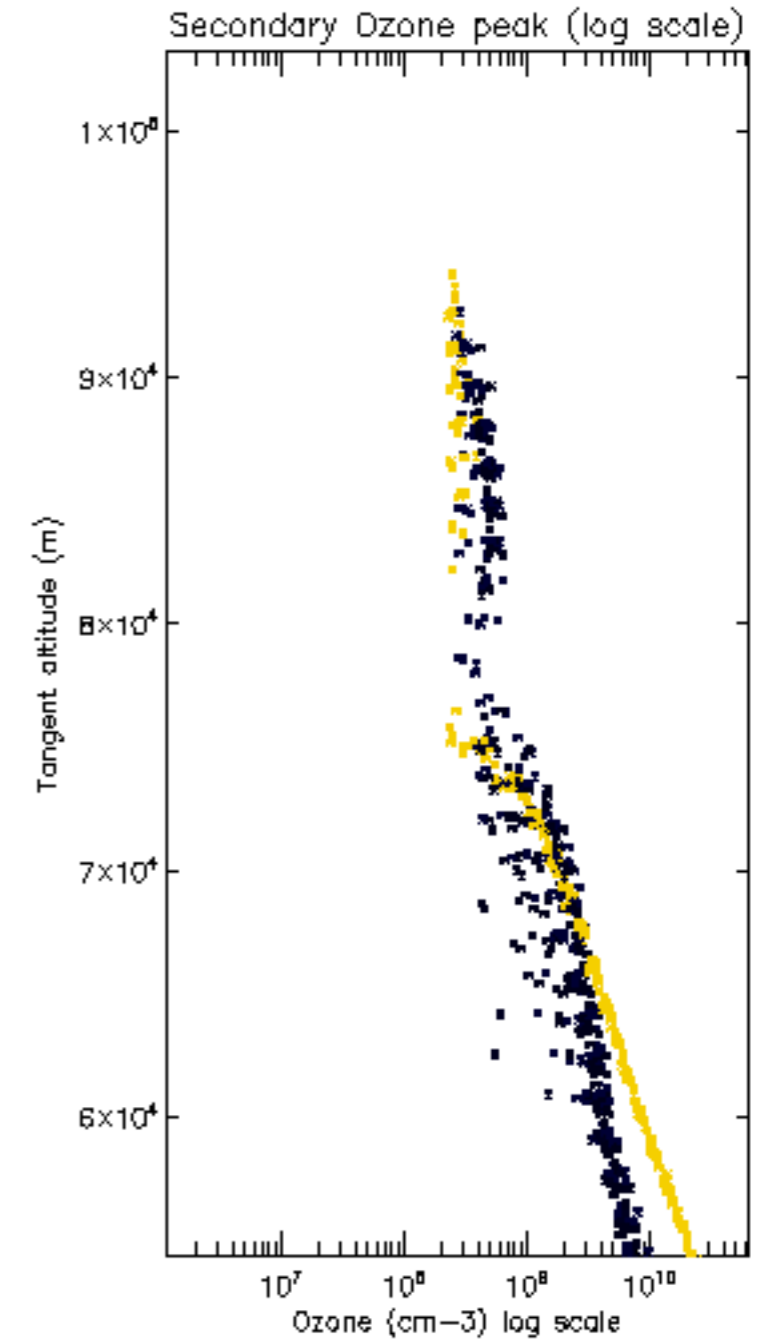
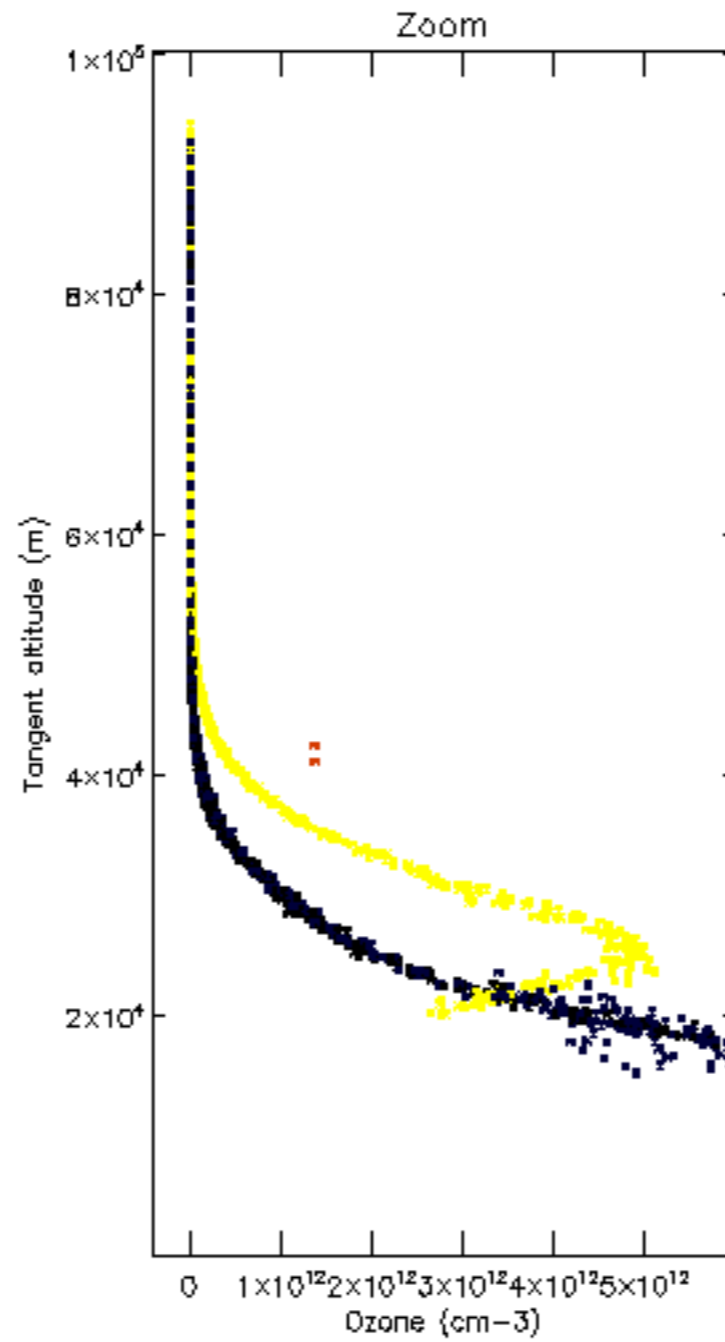
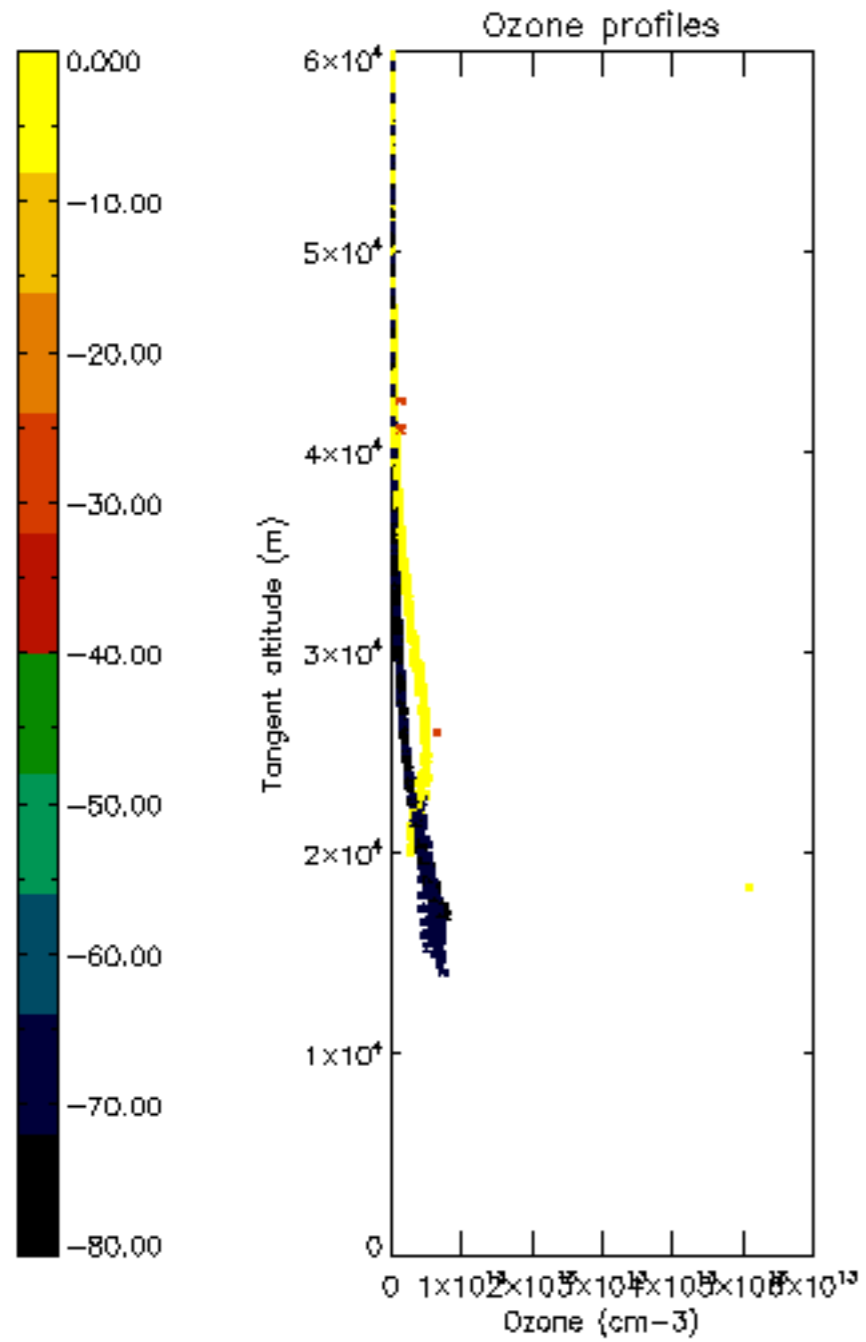
Percentage of saturation errors per profile

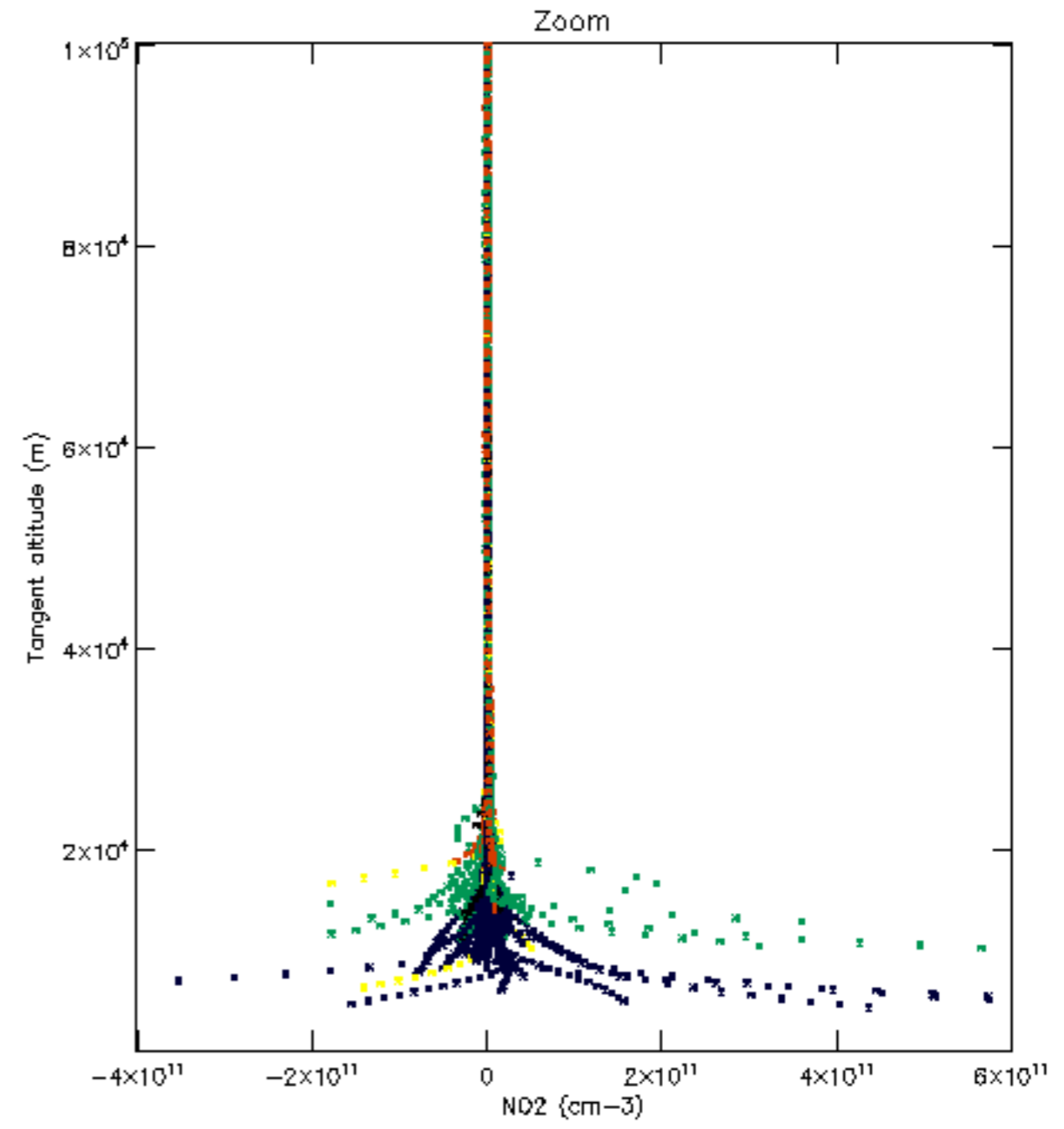
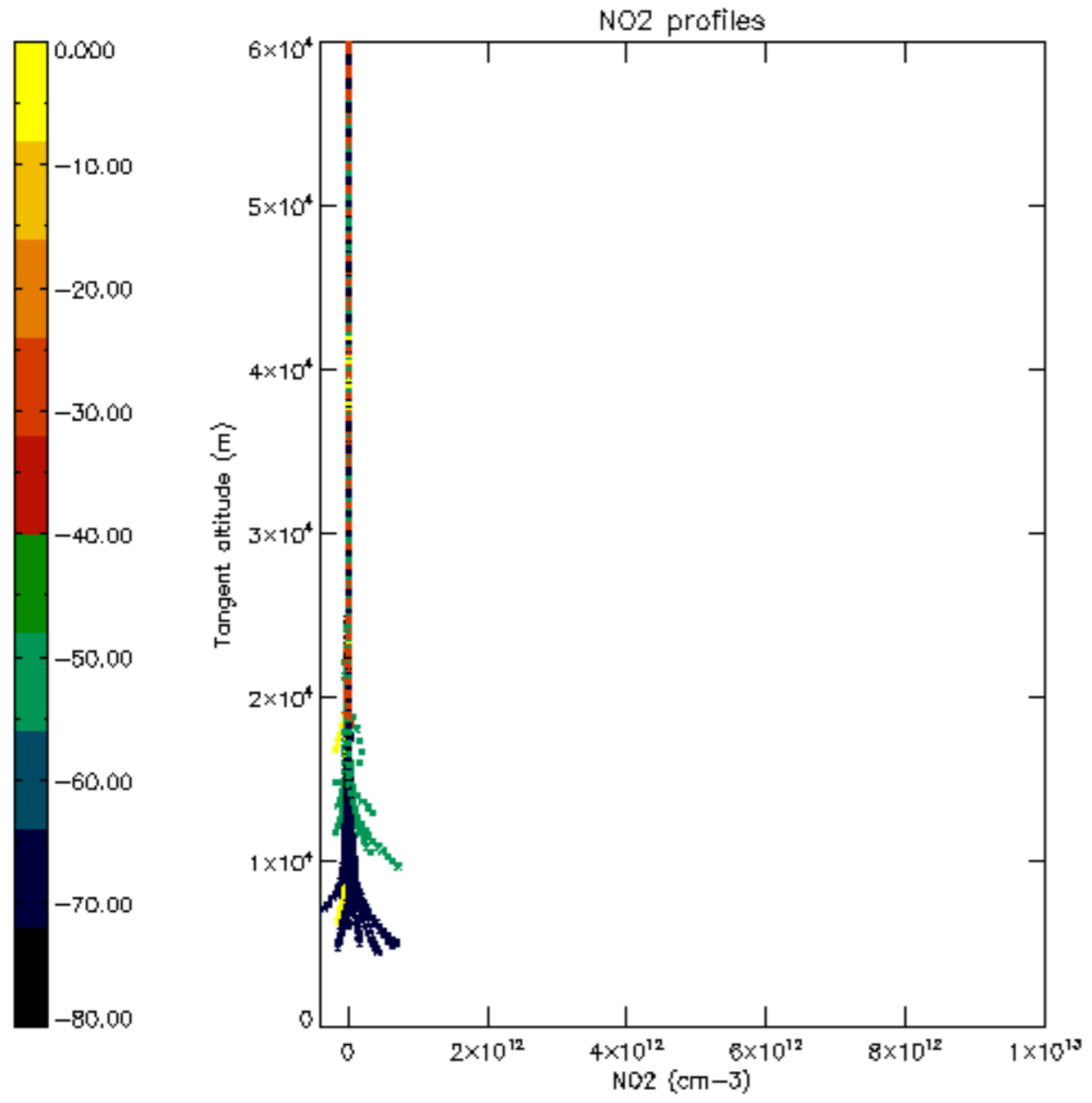


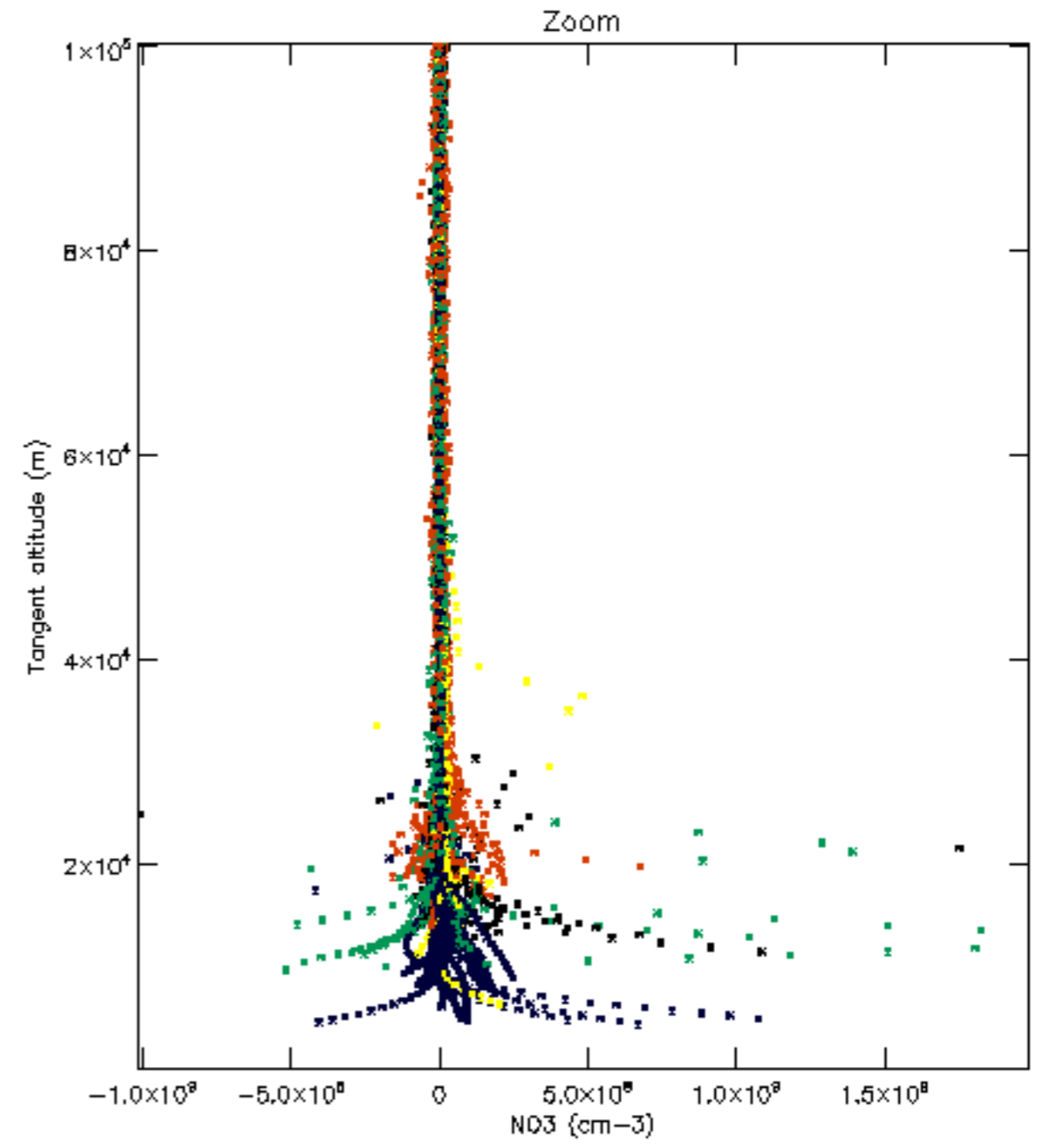
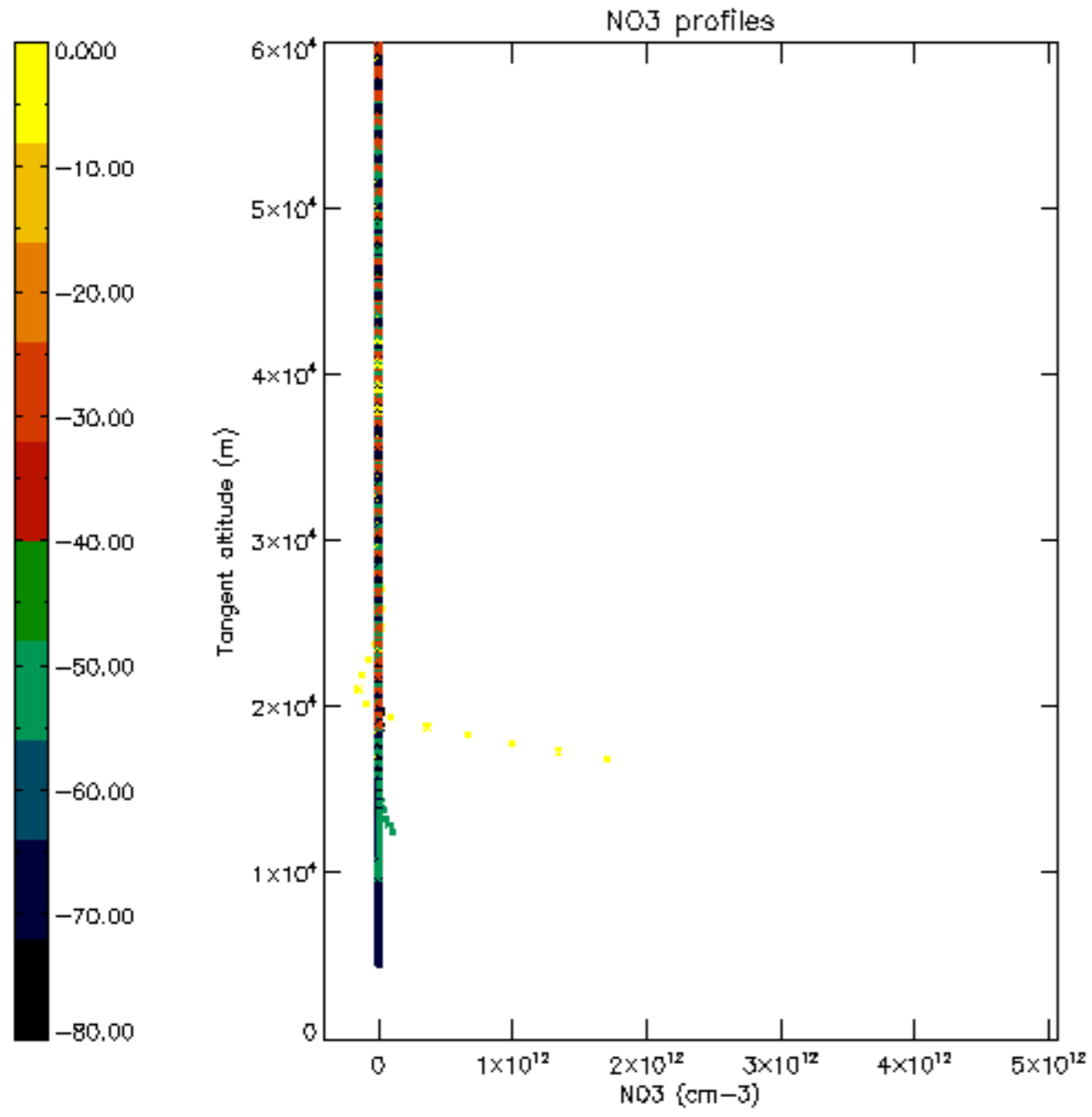


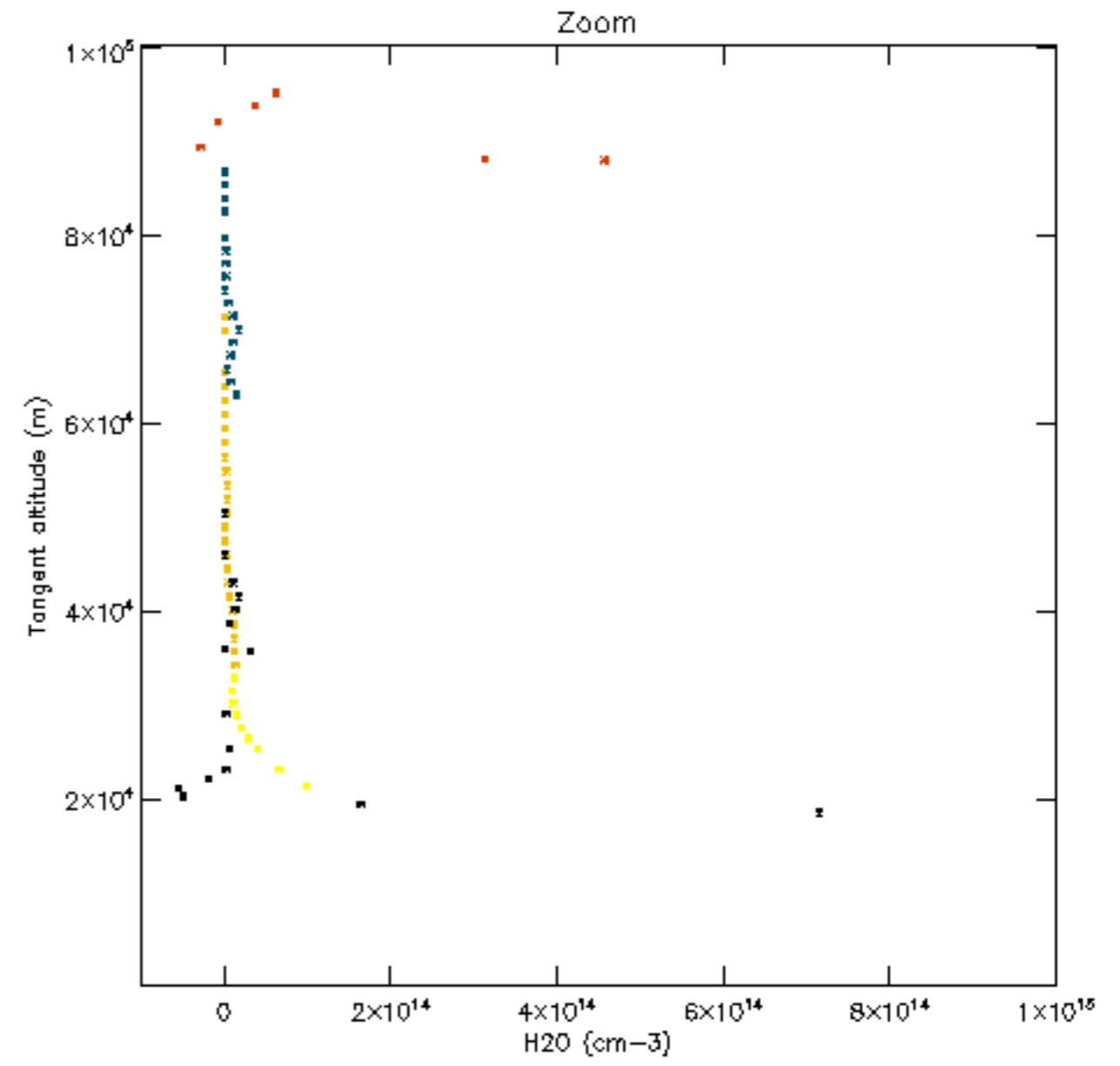
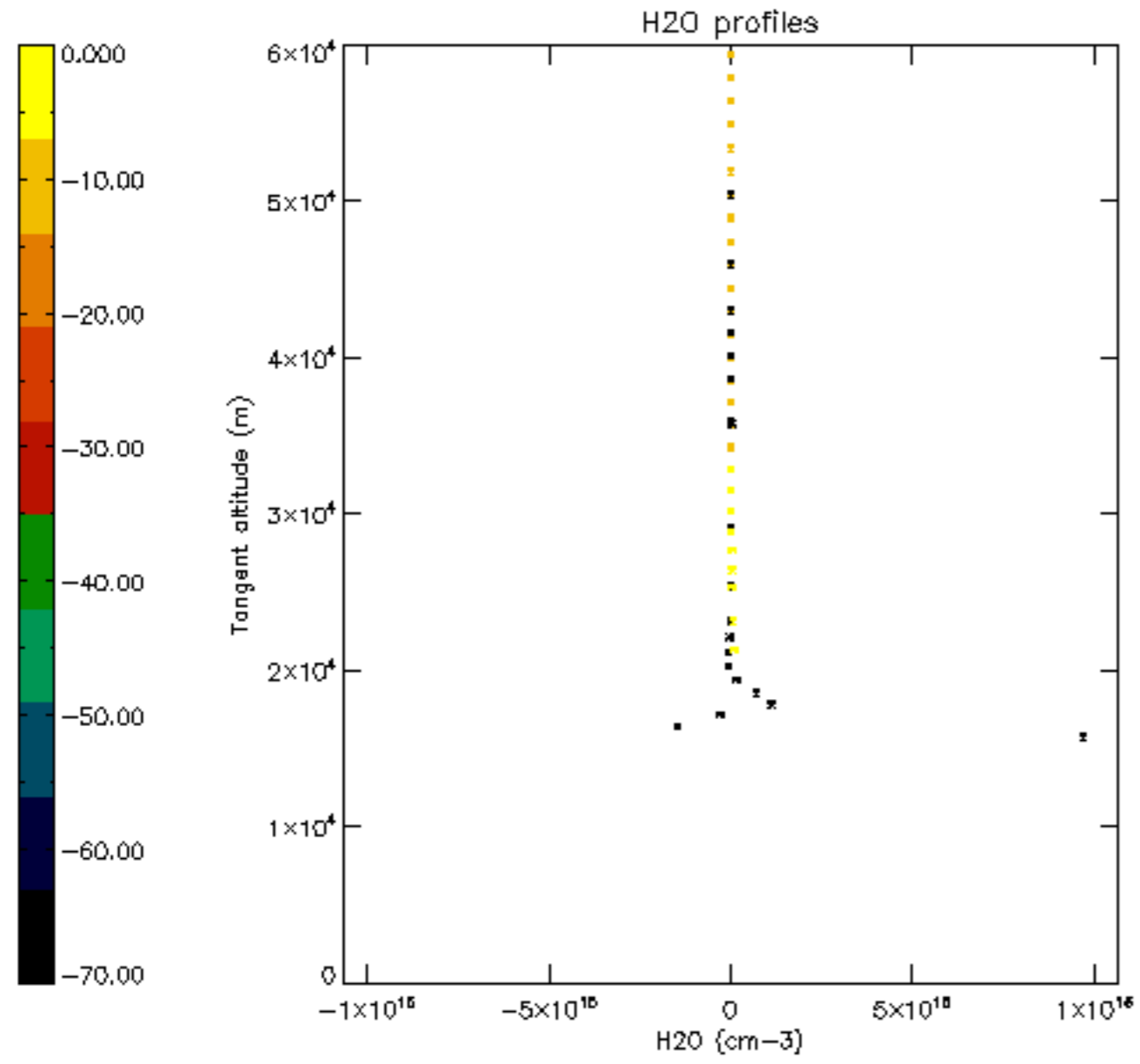


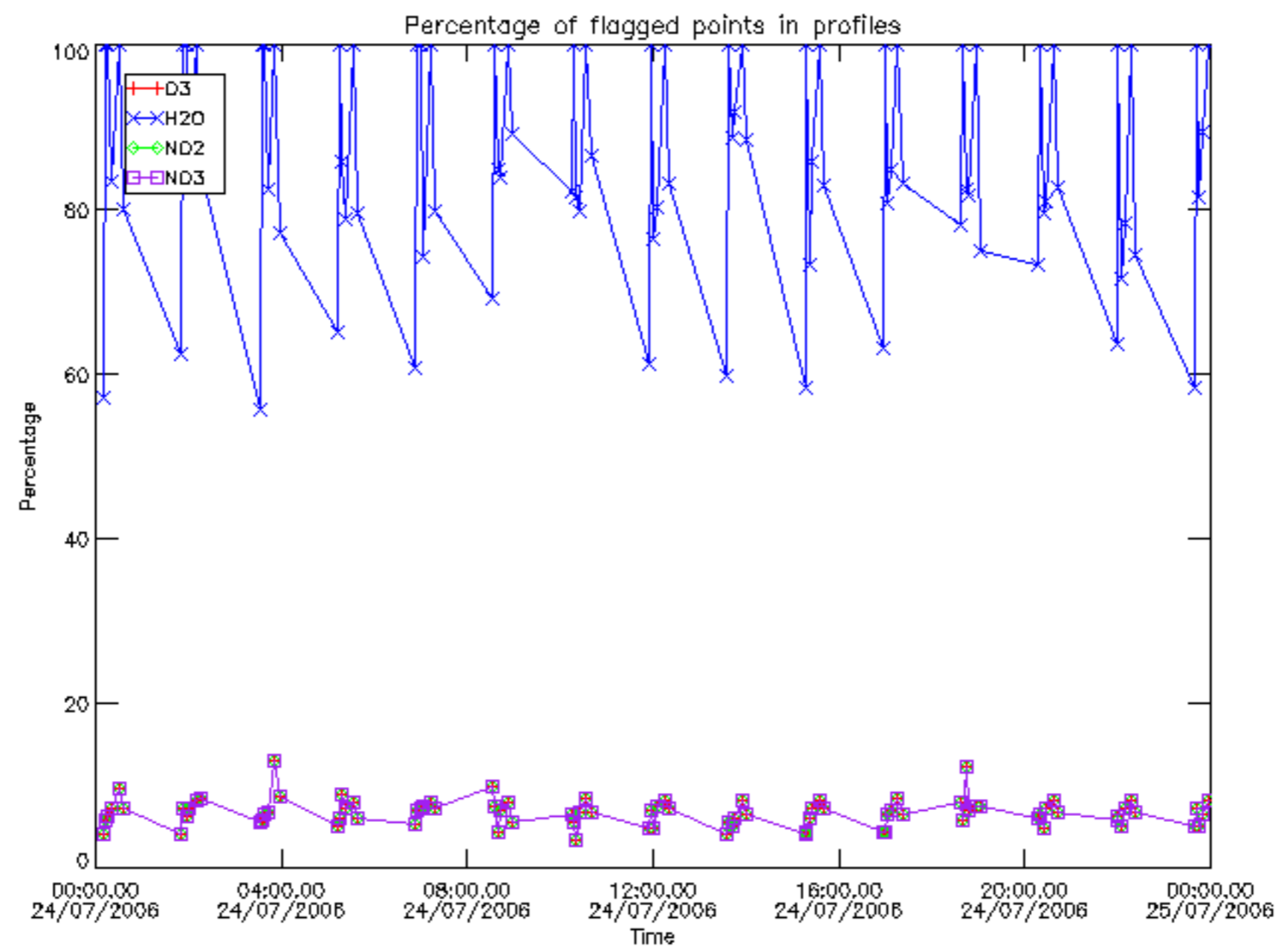




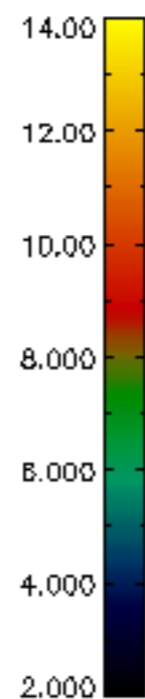
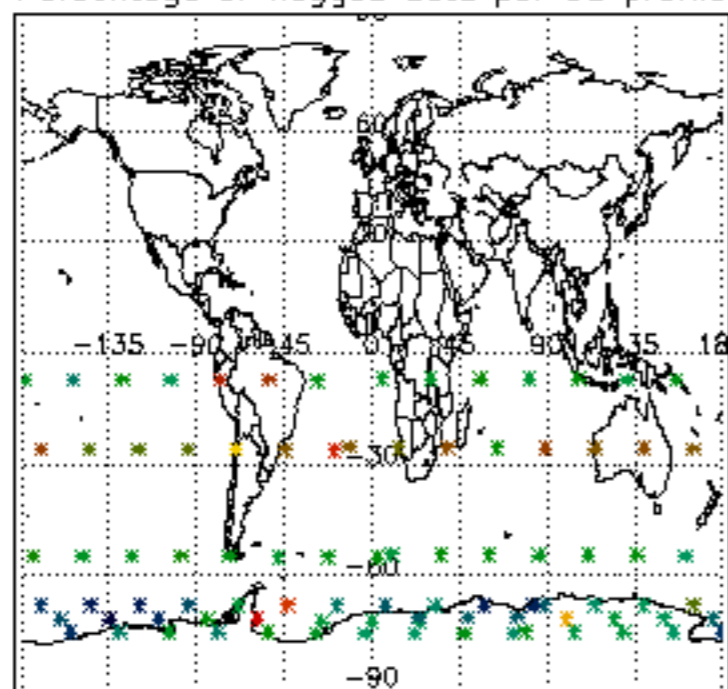




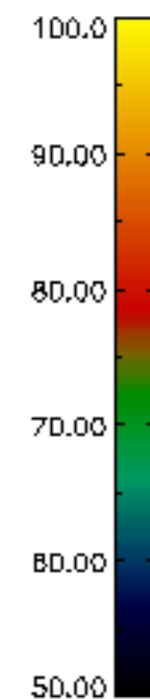
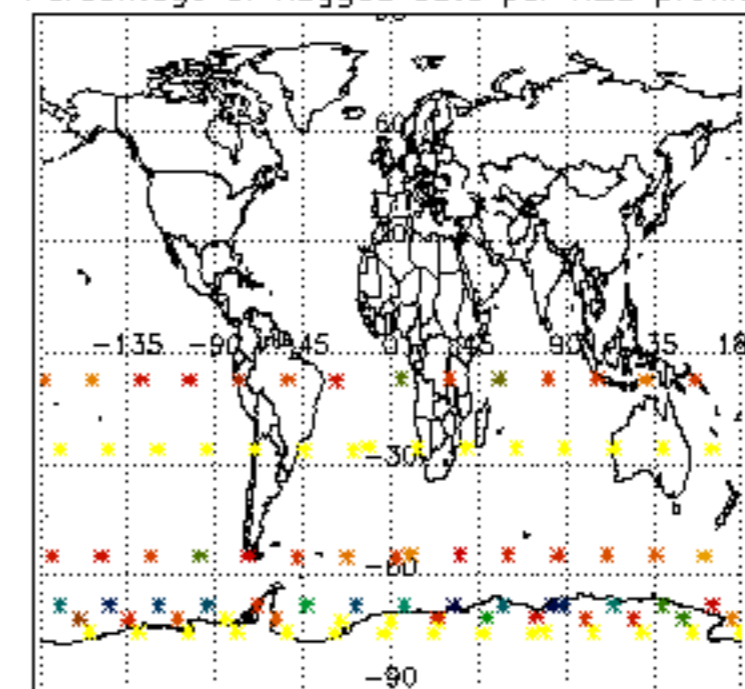




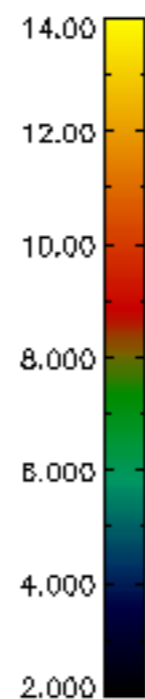
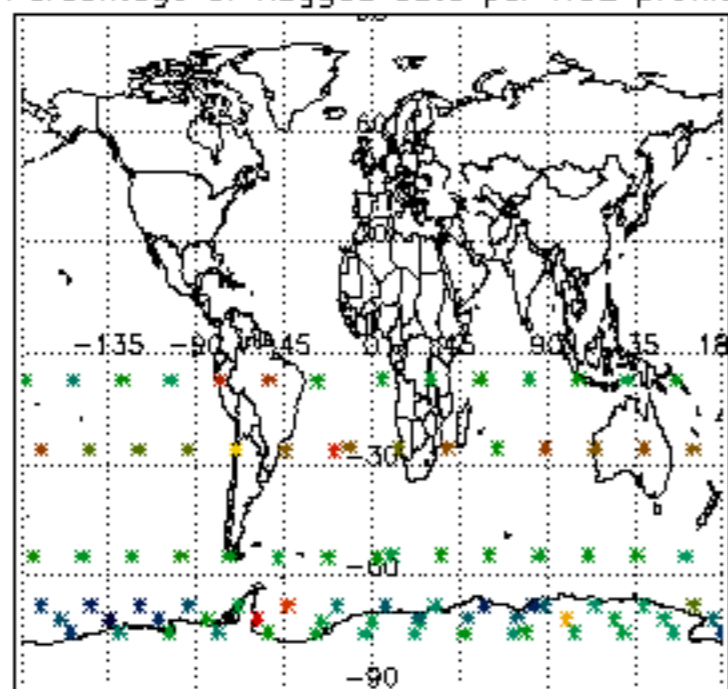
Percentage of flagged data per D3 profile



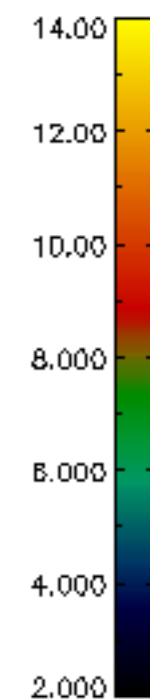
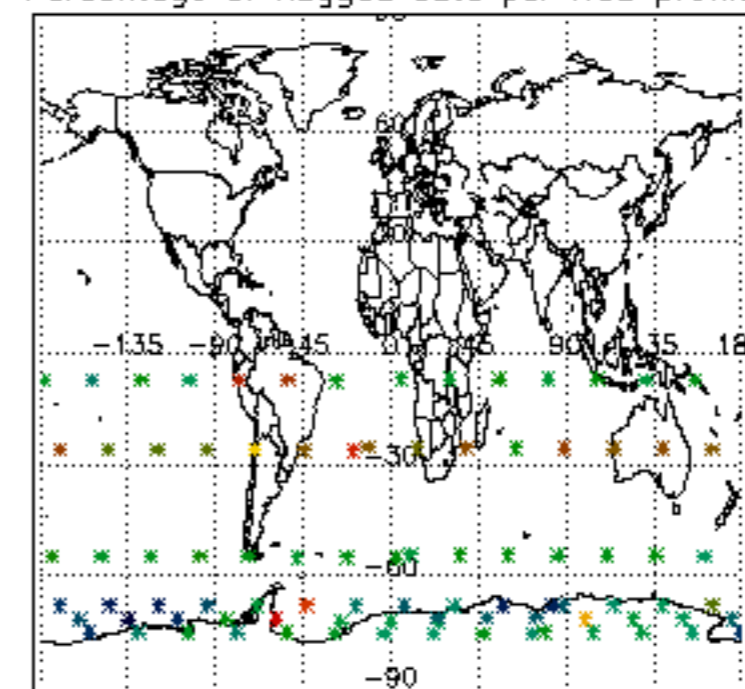
Percentage of flagged data per H2O profile

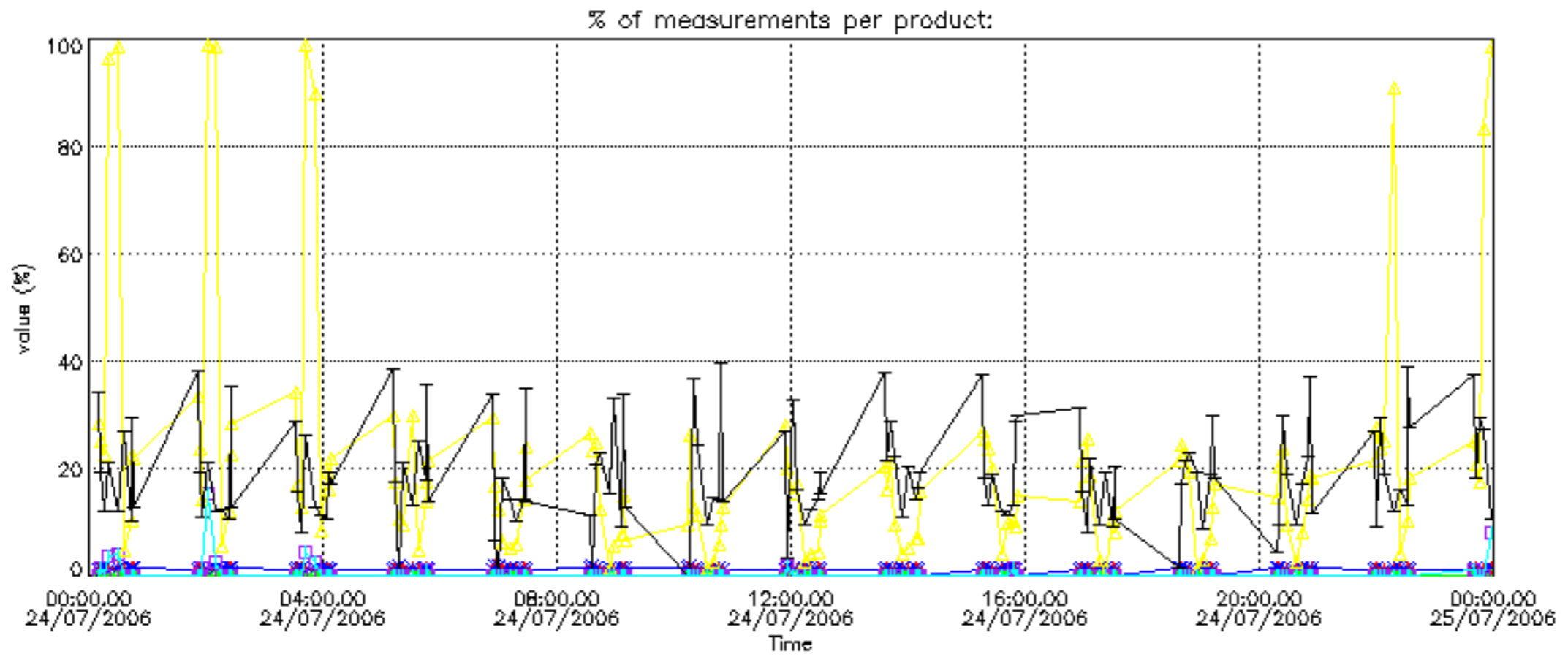


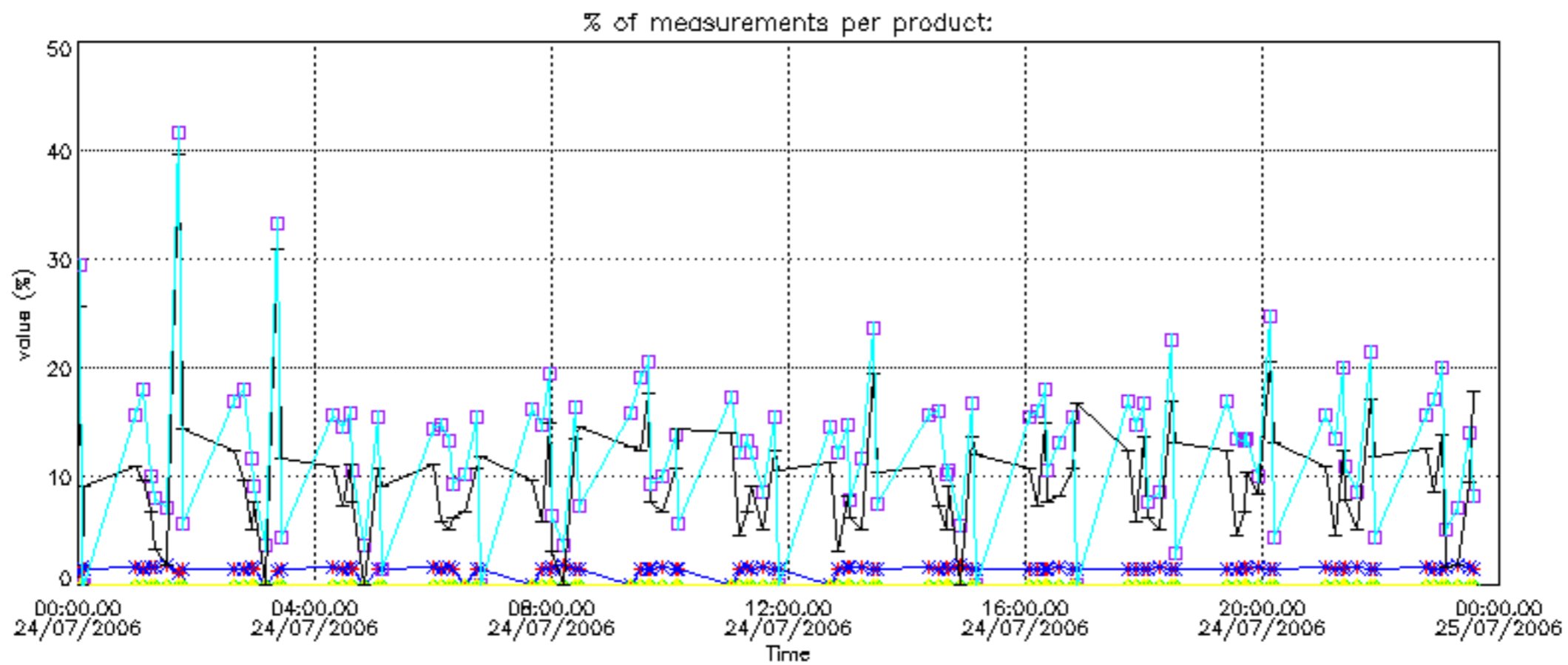
Percentage of flagged data per NO2 profile



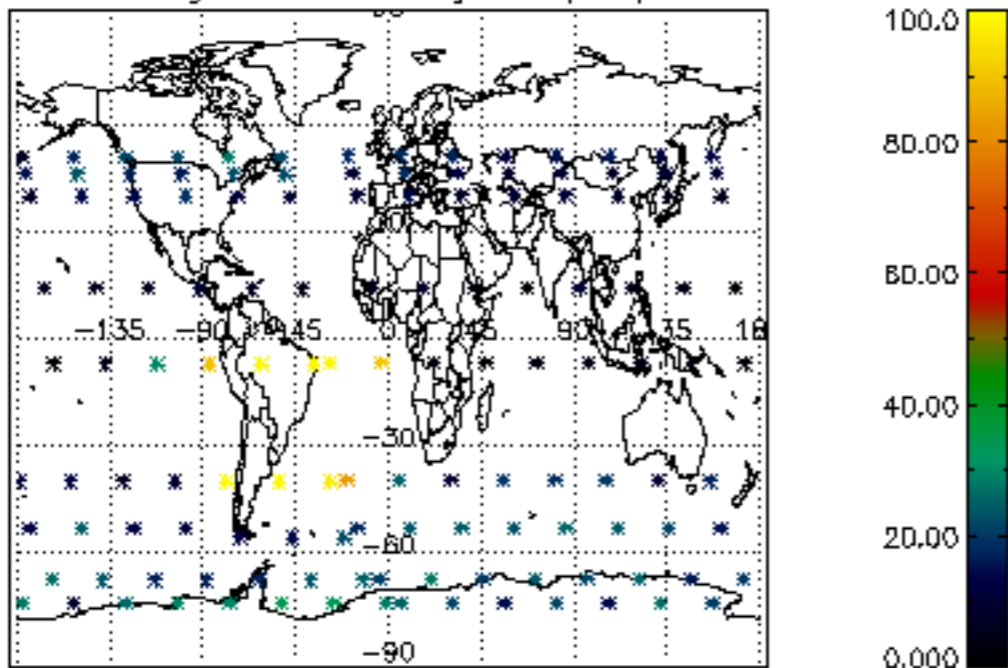
Percentage of flagged data per NO3 profile



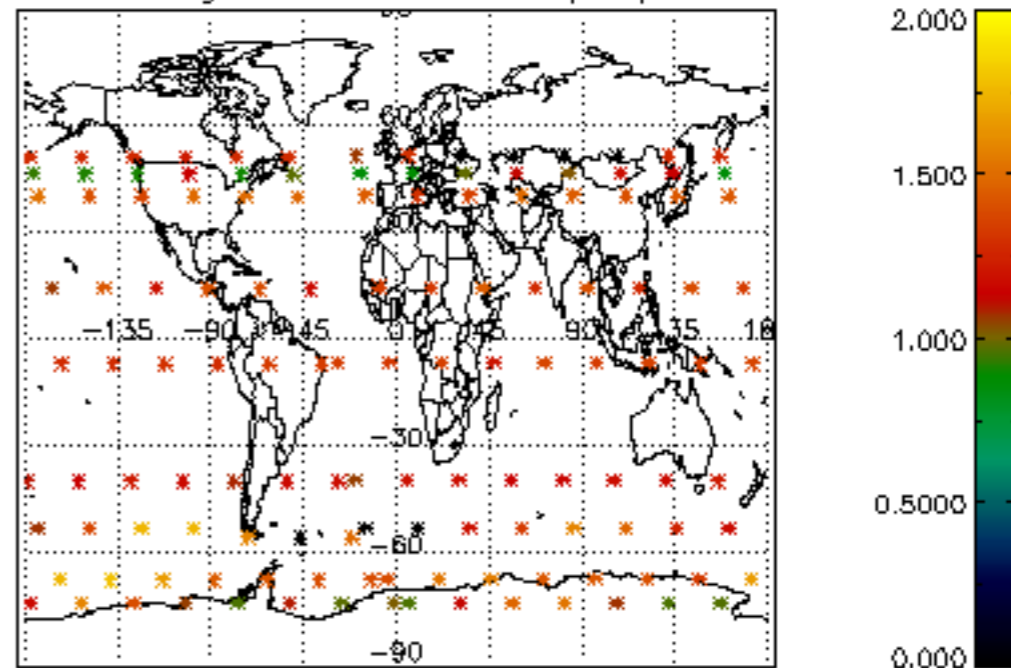




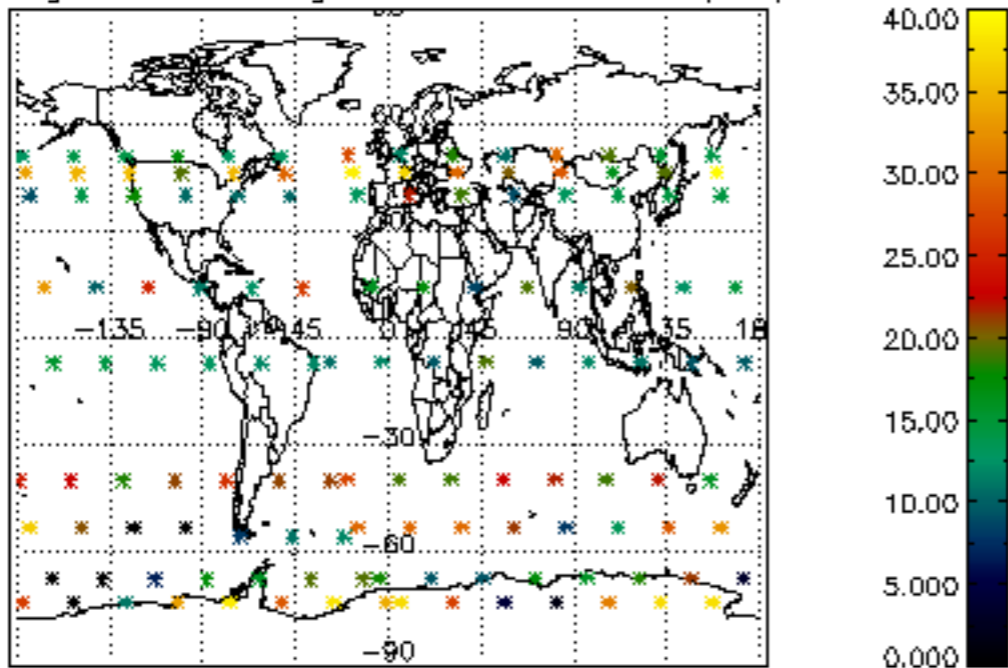
Percentage of cosmic ray hits per profile



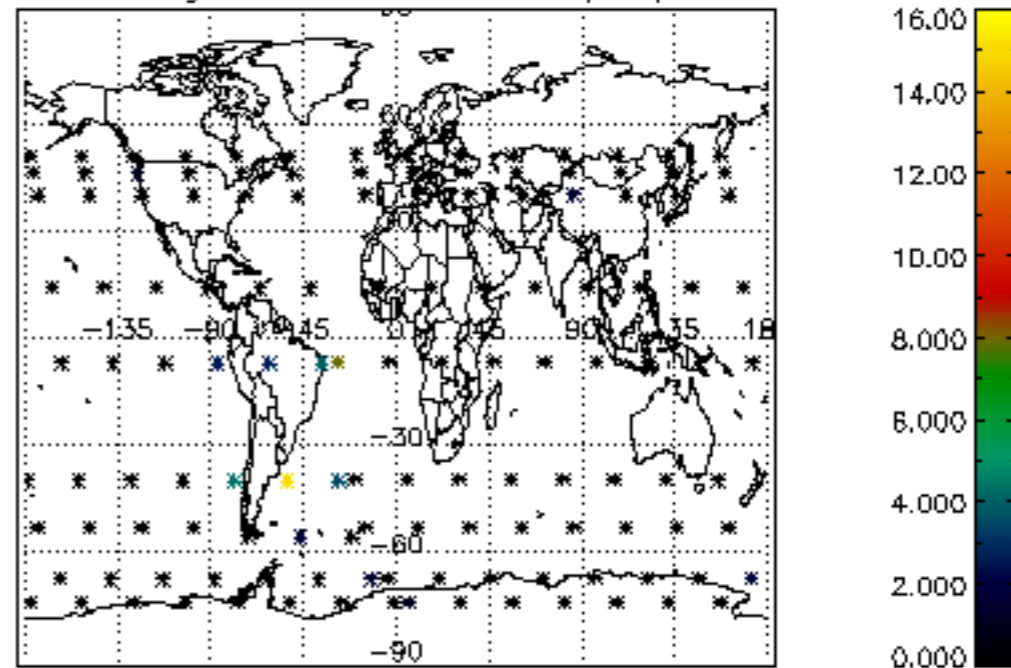
Percentage of datation errors per profile



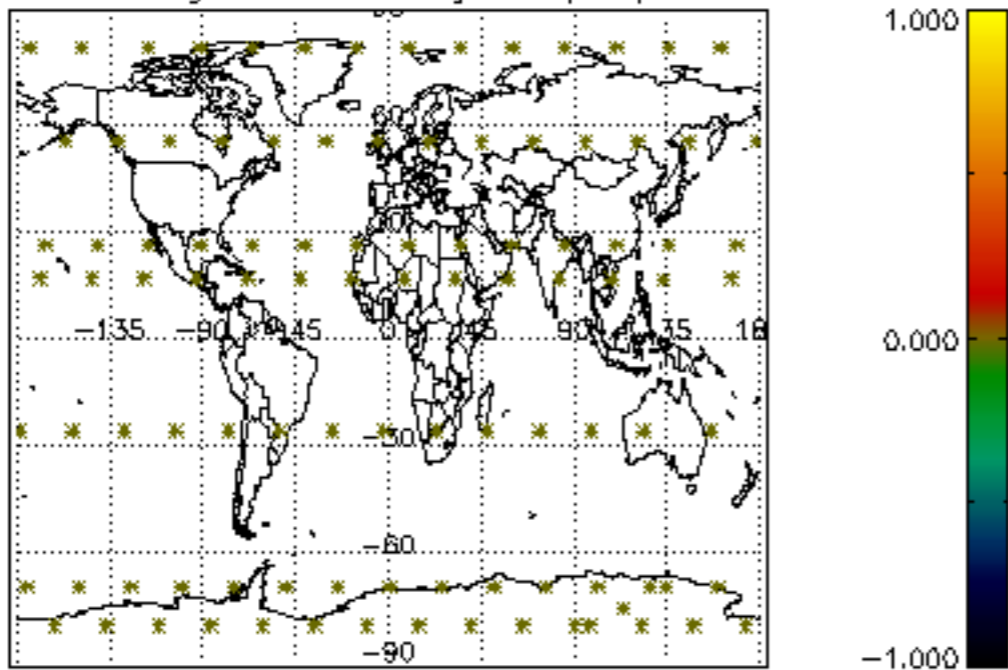
Percentage of star falling outside central band per profile



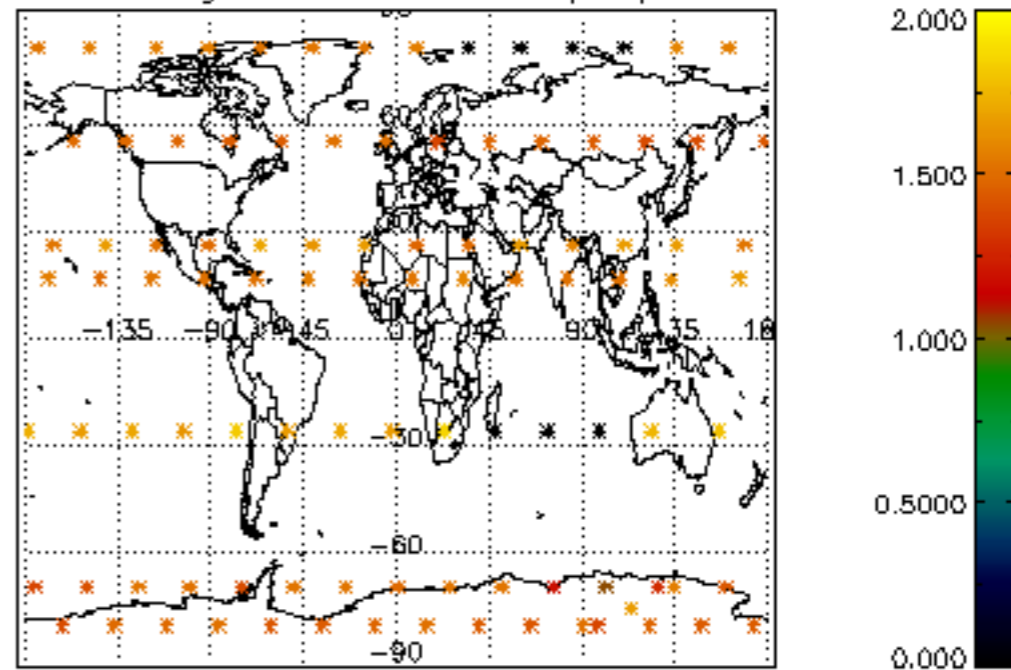
Percentage of saturation errors per profile



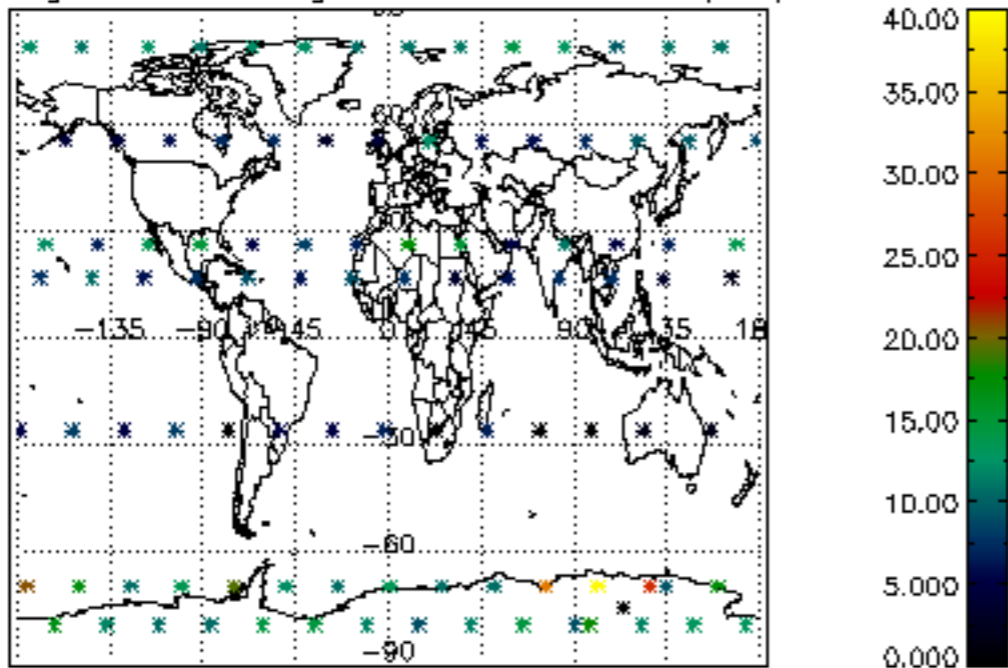
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

