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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	25APR2013 12:20:06
Data source version	GOMOS/6.01
Start time of products	30-03-2008 (30MAR2008 00:00:00)
Stop time of products	31-03-2008 (31MAR2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	290
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

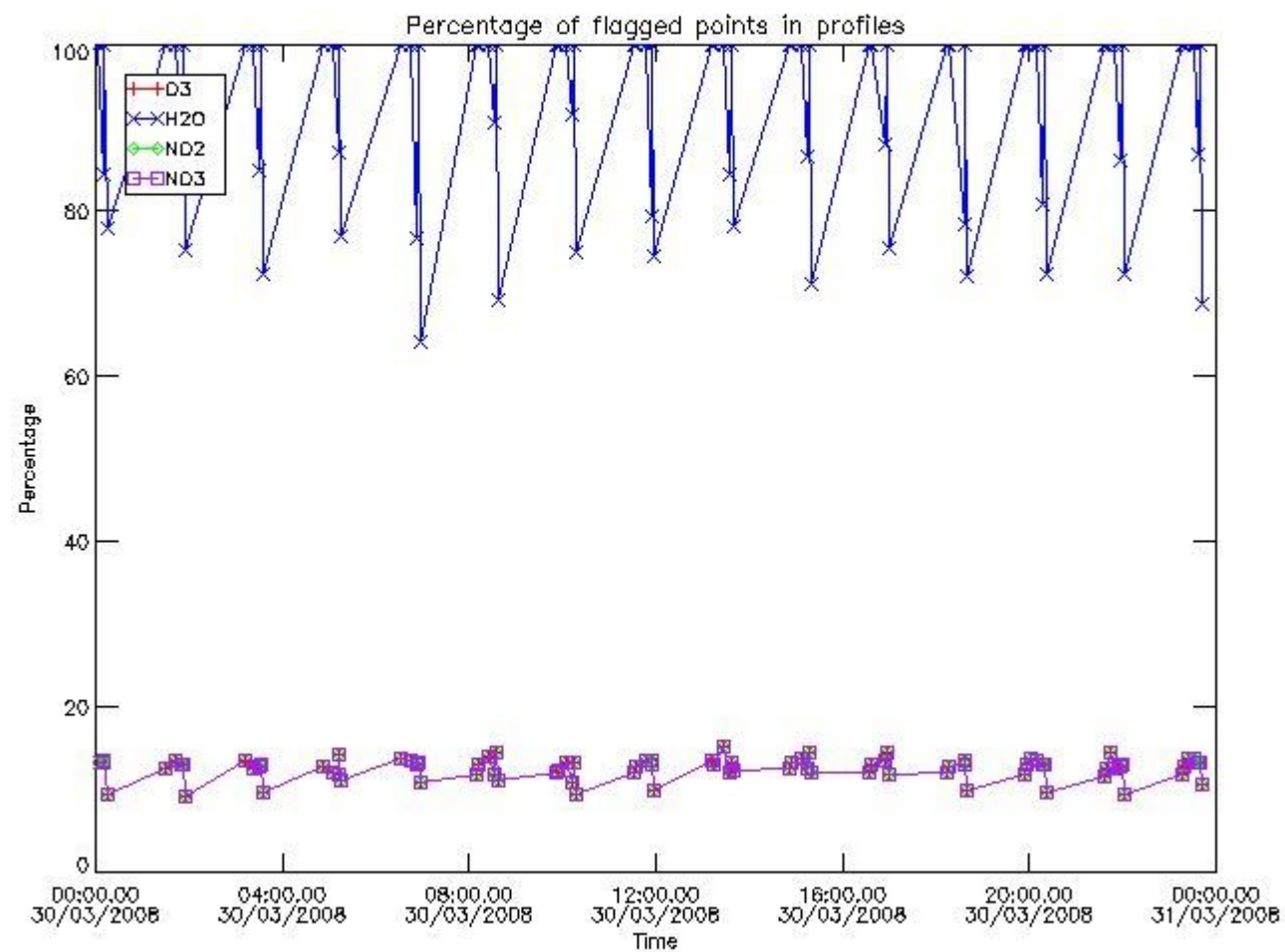
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20080330_000212_000000392067_00173_31790_9262.N1	30-MAR-2008 00:02:12	Dark	38.500	45	Alp Pav	1.9400	26000.	77	31790	No
2	GOM_NL__2PRFIN20080330_000942_000000392067_00174_31791_9329.N1	30-MAR-2008 00:09:42	Dark	38.500	43	Alp TrA	1.9100	4250.0	77	31791	No
3	GOM_NL__2PRFIN20080330_001130_000000382067_00174_31791_9330.N1	30-MAR-2008 00:11:30	Dark	38.000	134	Bet TrA	2.8100	6600.0	76	31791	No
4	GOM_NL__2PRFIN20080330_001410_000000552067_00174_31791_9331.N1	30-MAR-2008 00:14:10	Dark	54.500	4	Alp1Cen	-0.010000	5800.0	109	31791	No
5	GOM_NL__2PRFIN20080330_001632_000000432067_00174_31791_9332.N1	30-MAR-2008 00:16:32	Straylight	42.500	12	Alp1Cru	0.77500	30000.	85	31791	No
6	GOM_NL__2PRFIN20080330_001758_000000472067_00174_31791_9333.N1	30-MAR-2008 00:17:58	Straylight	46.500	26	Gam Cru	1.6240	2900.0	93	31791	No
7	GOM_NL__2PRFIN20080330_001953_000000392067_00174_31791_9334.N1	30-MAR-2008 00:19:53	Straylight	38.500	64	Gam Cen	2.2000	10600.	77	31791	No
8	GOM_NL__2PRFIN20080330_002722_000000472067_00174_31791_9335.N1	30-MAR-2008 00:27:22	Twilight	47.000	106	9Bet Crv	2.6480	5600.0	94	31791	No
9	GOM_NL__2PRFIN20080330_002921_000000422067_00174_31791_9336.N1	30-MAR-2008 00:29:21	Twilight	42.000	100	4Gam Crv	2.5800	13100.	84	31791	No
10	GOM_NL__2PRFIN20080330_003910_000000562067_00174_31791_9337.N1	30-MAR-2008 00:39:10	Bright	56.000	62	94Bet Leo	2.1360	9700.0	112	31791	No
11	GOM_NL__2PRFIN20080330_004044_000000362067_00174_31791_9338.N1	30-MAR-2008 00:40:44	Bright	35.500	96	68Del Leo	2.5600	9300.0	71	31791	No
12	GOM_NL__2PRFIN20080330_004735_000000382067_00174_31791_9339.N1	30-MAR-2008 00:47:35	Bright	37.500	174	52Psi UMa	3.0040	4400.0	75	31791	No
13	GOM_NL__2PRFIN20080330_005040_000000362067_00174_31791_9340.N1	30-MAR-2008 00:50:40	Bright	36.000	87	64Gam UMa	2.4330	11000.	72	31791	No
14	GOM_NL__2PRFIN20080330_005226_000000342067_00174_31791_9341.N1	30-MAR-2008 00:52:26	Bright	34.000	36	50Alp UMa	1.8000	6300.0	68	31791	No
15	GOM_NL__2PRFIN20080330_010026_000000322067_00174_31791_9342.N1	30-MAR-2008 01:00:26	Bright	32.000	49	1Alp UMi	1.9900	6300.0	64	31791	No
16	GOM_NL__2PRFIN20080330_010810_000000342067_00174_31791_9343.N1	30-MAR-2008 01:08:10	Bright	34.000	89	5Alp Cep	2.4510	8000.0	68	31791	No
17	GOM_NL__2PRFIN20080330_012327_000000432067_00174_31791_9344.N1	30-MAR-2008 01:23:27	Bright	43.000	61	8Eps Peg	2.1000	3900.0	86	31791	No
18	GOM_NL__2PRFIN20080330_012800_000000402067_00174_31791_9345.N1	30-MAR-2008 01:28:00	Twilight	40.000	154	22Bet Aqr	2.8990	5700.0	80	31791	No
19	GOM_NL__2PRFIN20080330_013036_000000412067_00174_31791_9346.N1	30-MAR-2008 01:30:36	Dark	41.000	142	49Del Cap	2.8500	8900.0	82	31791	No
20	GOM_NL__2PRFIN20080330_014248_000000382067_00174_31791_9347.N1	30-MAR-2008 01:42:48	Dark	37.500	45	Alp Pav	1.9400	26000.	75	31791	No
21	GOM_NL__2PRFIN20080330_015018_000000402067_00175_31792_9343.N1	30-MAR-2008 01:50:18	Dark	39.500	43	Alp TrA	1.9100	4250.0	79	31792	No
22	GOM_NL__2PRFIN20080330_015207_000000392067_00175_31792_9344.N1	30-MAR-2008 01:52:07	Dark	39.000	134	Bet TrA	2.8100	6600.0	78	31792	No
23	GOM_NL__2PRFIN20080330_015446_000000552067_00175_31792_9345.N1	30-MAR-2008 01:54:46	Dark	55.000	4	Alp1Cen	-0.010000	5800.0	110	31792	No
24	GOM_NL__2PRFIN20080330_015708_000000442067_00175_31792_9346.N1	30-MAR-2008 01:57:08	Straylight	43.500	12	Alp1Cru	0.77500	30000.	87	31792	No
25	GOM_NL__2PRFIN20080330_015834_000000472067_00175_31792_9347.N1	30-MAR-2008 01:58:34	Straylight	46.500	26	Gam Cru	1.6240	2900.0	93	31792	No
26	GOM_NL__2PRFIN20080330_020030_000000382067_00175_31792_9348.N1	30-MAR-2008 02:00:30	Straylight	38.000	64	Gam Cen	2.2000	10600.	76	31792	No
27	GOM_NL__2PRFIN20080330_020302_000000292067_00175_31792_9349.N1	30-MAR-2008 02:03:02	Straylight	29.000	123	Iot Cen	2.7500	10200.	58	31792	No
28	GOM_NL__2PRFIN20080330_020758_000000482067_00175_31792_9350.N1	30-MAR-2008 02:07:58	Twilight	47.500	106	9Bet Crv	2.6480	5600.0	95	31792	No
29	GOM_NL__2PRFIN20080330_020957_000000422067_00175_31792_9351.N1	30-MAR-2008 02:09:57	Twilight	42.000	100	4Gam Crv	2.5800	13100.	84	31792	No
30	GOM_NL__2PRFIN20080330_021946_000000382067_00175_31792_9352.N1	30-MAR-2008 02:19:46	Bright	37.500	62	94Bet Leo	2.1360	9700.0	75	31792	No
31	GOM_NL__2PRFIN20080330_022120_000000372067_00175_31792_9353.N1	30-MAR-2008 02:21:20	Bright	36.500	96	68Del Leo	2.5600	9300.0	73	31792	No
32	GOM_NL__2PRFIN20080330_022811_000000372067_00175_31792_9354.N1	30-MAR-2008 02:28:11	Bright	36.500	174	52Psi UMa	3.0040	4400.0	73	31792	No
33	GOM_NL__2PRFIN20080330_023116_000000362067_00175_31792_9355.N1	30-MAR-2008 02:31:16	Bright	36.000	87	64Gam UMa	2.4330	11000.	72	31792	No
34	GOM_NL__2PRFIN20080330_023302_000000352067_00175_31792_9356.N1	30-MAR-2008 02:33:02	Bright	34.500	36	50Alp UMa	1.8000	6300.0	69	31792	No
35	GOM_NL__2PRFIN20080330_024102_000000372067_00175_31792_9357.N1	30-MAR-2008 02:41:02	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	31792	No
36	GOM_NL__2PRFIN20080330_024846_000000352067_00175_31792_9358.N1	30-MAR-2008 02:48:46	Bright	35.000	89	5Alp Cep	2.4510	8000.0	70	31792	No
37	GOM_NL__2PRFIN20080330_030403_000000472067_00175_31792_9359.N1	30-MAR-2008 03:04:03	Bright	46.500	61	8Eps Peg	2.1000	3900.0	93	31792	No
38	GOM_NL__2PRFIN20080330_030837_000000432067_00175_31792_9360.N1	30-MAR-2008 03:08:37	Twilight	43.000	154	22Bet Aqr	2.8990	5700.0	86	31792	No
39	GOM_NL__2PRFIN20080330_031112_000000382067_00175_31792_9361.N1	30-MAR-2008 03:11:12	Dark	37.500	142	49Del Cap	2.8500	8900.0	75	31792	No
40	GOM_NL__2PRFIN20080330_032325_000000412067_00175_31792_9362.N1	30-MAR-2008 03:23:25	Dark	41.000	45	Alp Pav	1.9400	26000.	82	31792	No
41	GOM_NL__2PRFIN20080330_033054_000000402067_00176_31793_9352.N1	30-MAR-2008 03:30:54	Dark	40.000	43	Alp TrA	1.9100	4250.0	80	31793	No
42	GOM_NL__2PRFIN20080330_033243_000000402067_00176_31793_9353.N1	30-MAR-2008 03:32:43	Dark	39.500	134	Bet TrA	2.8100	6600.0	79	31793	No

279	GOM_NL__2PRFIN20080330_231827_000000402067_00187_31804_9534.N1	30-MAR-2008 23:18:27	Dark	40.000	142	49Del Cap	2.8500	8900.0	80	31804	No
280	GOM_NL__2PRFIN20080330_232404_000000372067_00187_31804_9535.N1	30-MAR-2008 23:24:04	Dark	37.000	172	Gam Gru	3.0030	13100.	74	31804	No
281	GOM_NL__2PRFIN20080330_233040_000000372067_00187_31804_9536.N1	30-MAR-2008 23:30:40	Dark	37.000	45	Alp Pav	1.9400	26000.	74	31804	No
282	GOM_NL__2PRFIN20080330_233811_000000392067_00188_31805_9527.N1	30-MAR-2008 23:38:11	Dark	38.500	43	Alp TrA	1.9100	4250.0	77	31805	No
283	GOM_NL__2PRFIN20080330_234000_000000392067_00188_31805_9528.N1	30-MAR-2008 23:40:00	Dark	38.500	134	Bet TrA	2.8100	6600.0	77	31805	No
284	GOM_NL__2PRFIN20080330_234239_000000532067_00188_31805_9529.N1	30-MAR-2008 23:42:39	Dark	53.000	4	Alp1Cen	-0.010000	5800.0	106	31805	No
285	GOM_NL__2PRFIN20080330_234459_000000442067_00188_31805_9530.N1	30-MAR-2008 23:44:59	Straylight	44.000	12	Alp1Cru	0.77500	30000.	88	31805	No
286	GOM_NL__2PRFIN20080330_234625_000000522067_00188_31805_9531.N1	30-MAR-2008 23:46:25	Straylight	51.500	26	Gam Cru	1.6240	2900.0	103	31805	No
287	GOM_NL__2PRFIN20080330_234821_000000402067_00188_31805_9532.N1	30-MAR-2008 23:48:21	Straylight	39.500	64	Gam Cen	2.2000	10600.	79	31805	No
288	GOM_NL__2PRFIN20080330_235054_000000442067_00188_31805_9533.N1	30-MAR-2008 23:50:54	Straylight	44.000	123	lot Cen	2.7500	10200.	88	31805	No
289	GOM_NL__2PRFIN20080330_235548_000000472067_00188_31805_9534.N1	30-MAR-2008 23:55:48	Twilight_stray	46.500	106	9Bet Crv	2.6480	5600.0	93	31805	No
290	GOM_NL__2PRFIN20080330_235746_000000432067_00188_31805_9535.N1	30-MAR-2008 23:57:46	Twilight_stray	43.000	100	4Gam Crv	2.5800	13100.	86	31805	No

3. Quality information per product

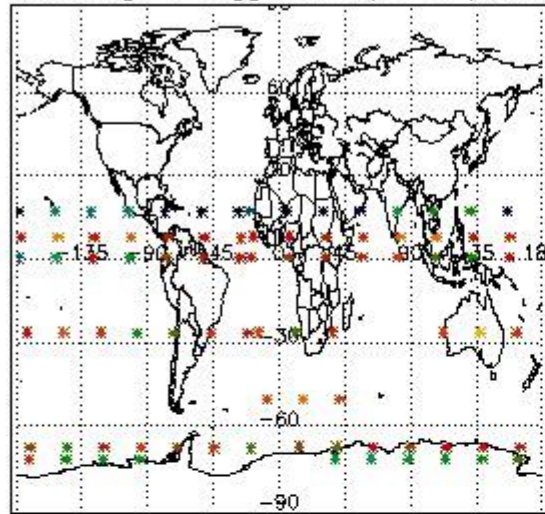
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

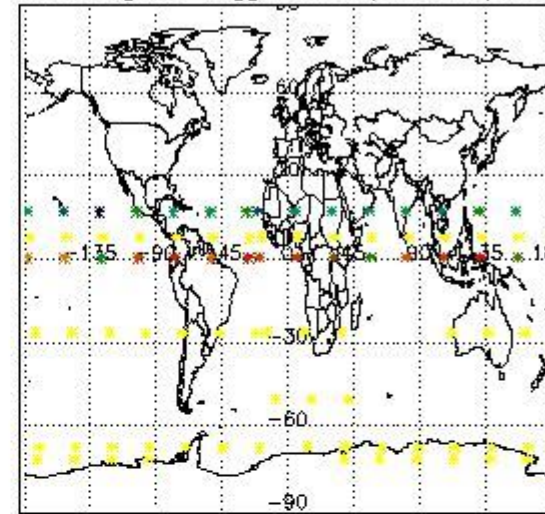


3.2 Plot quality information per product (world map)

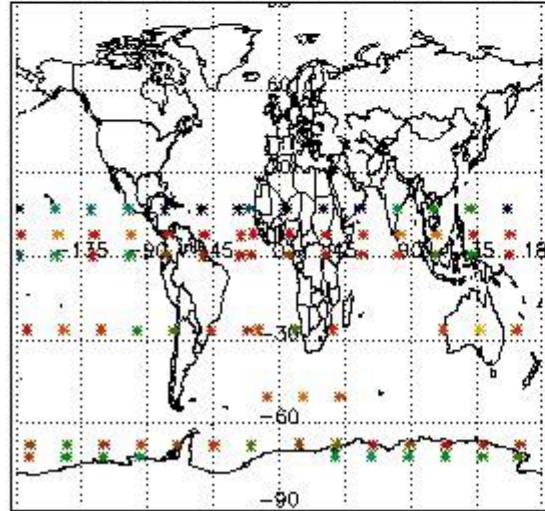
Percentage of flagged data per O3 profile



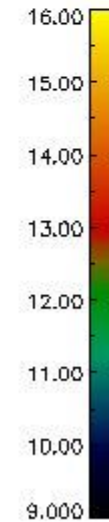
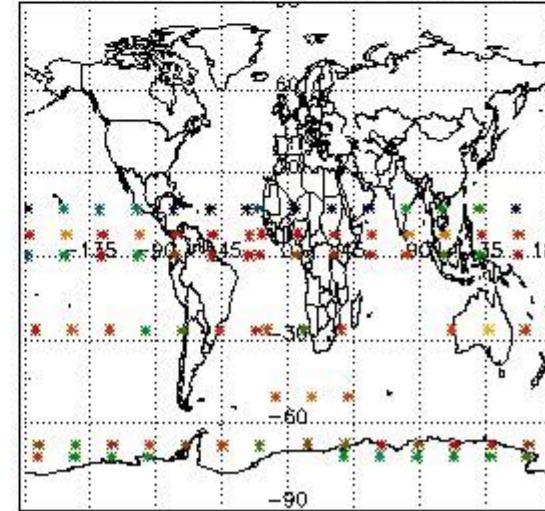
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

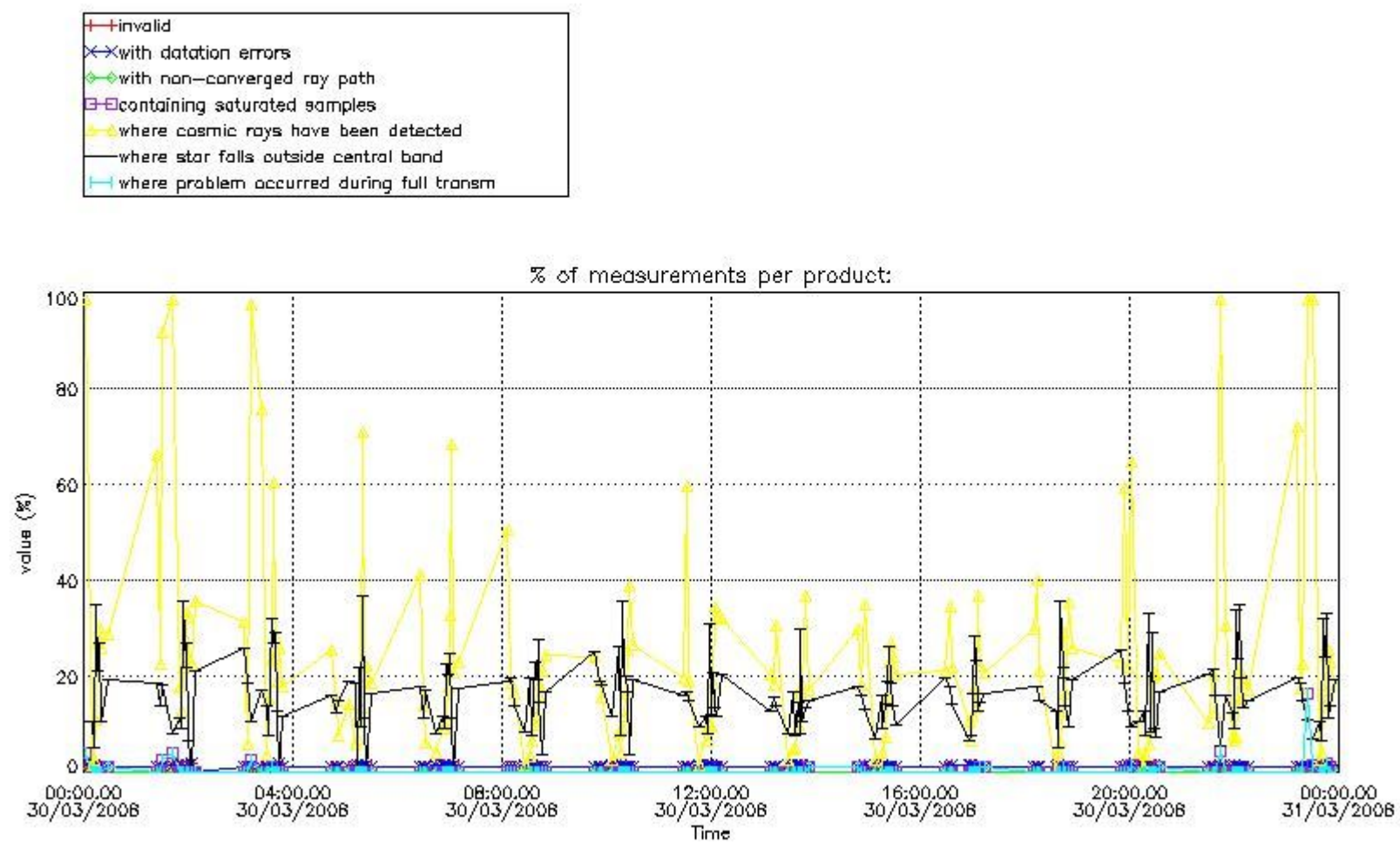


4. Level 1 quality information per product

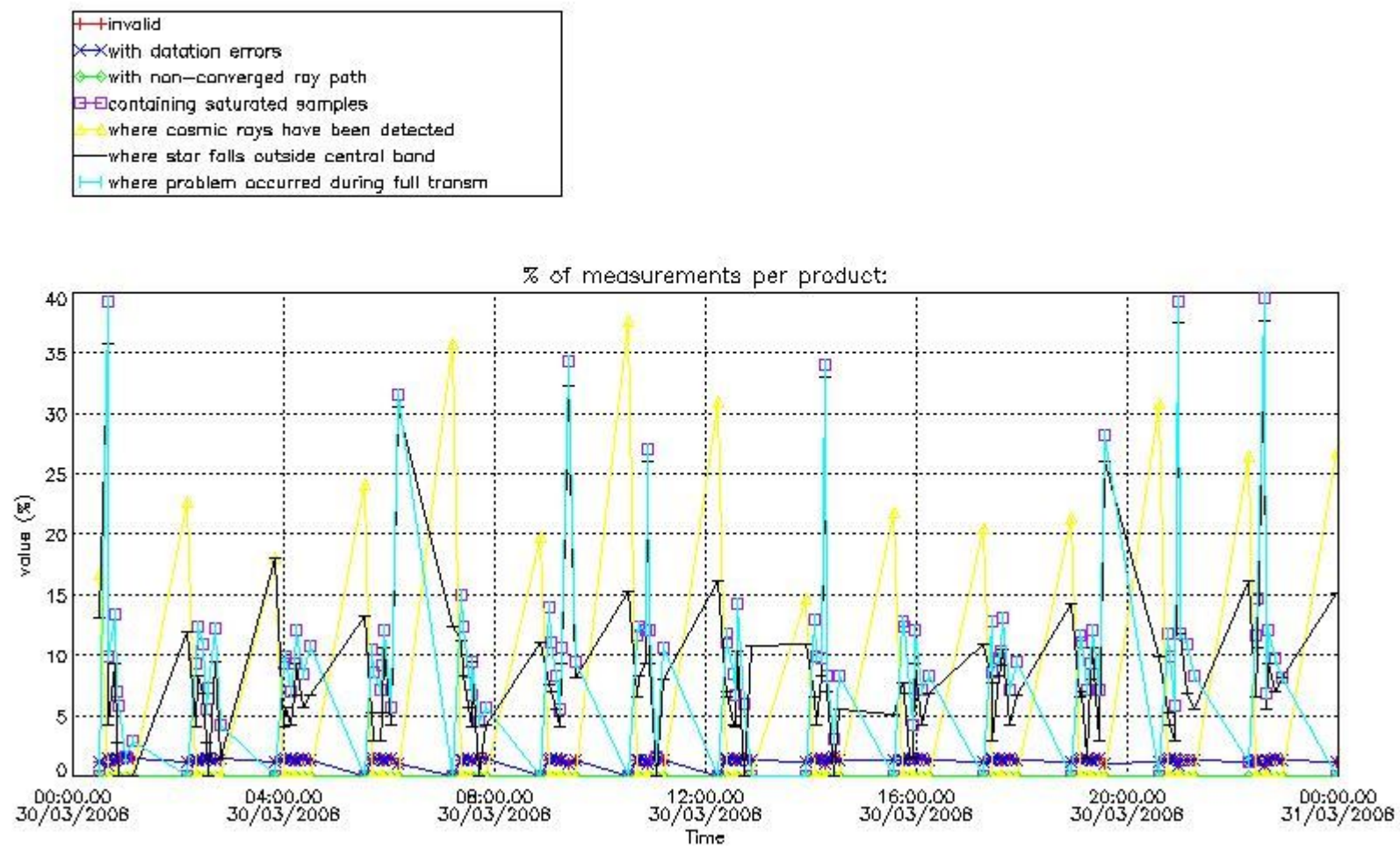
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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

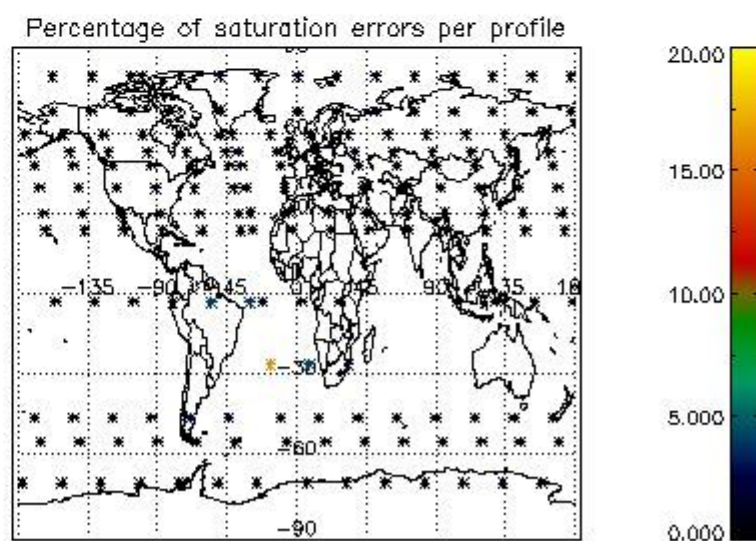
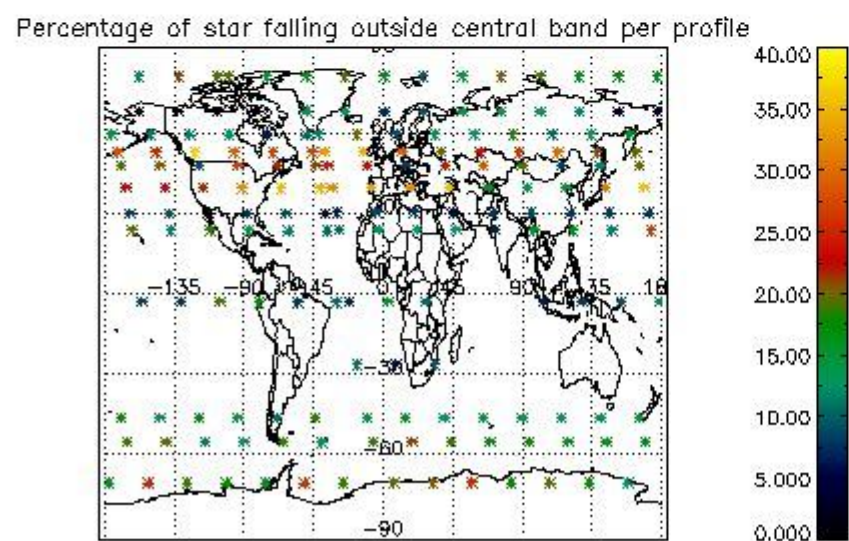
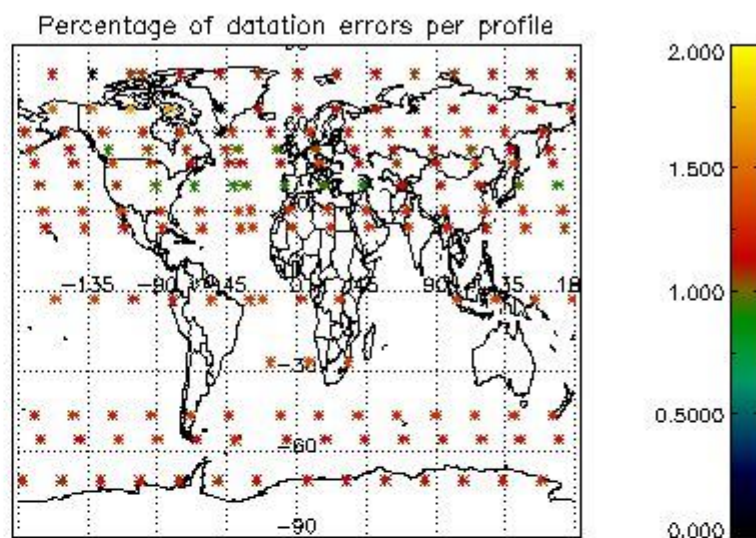
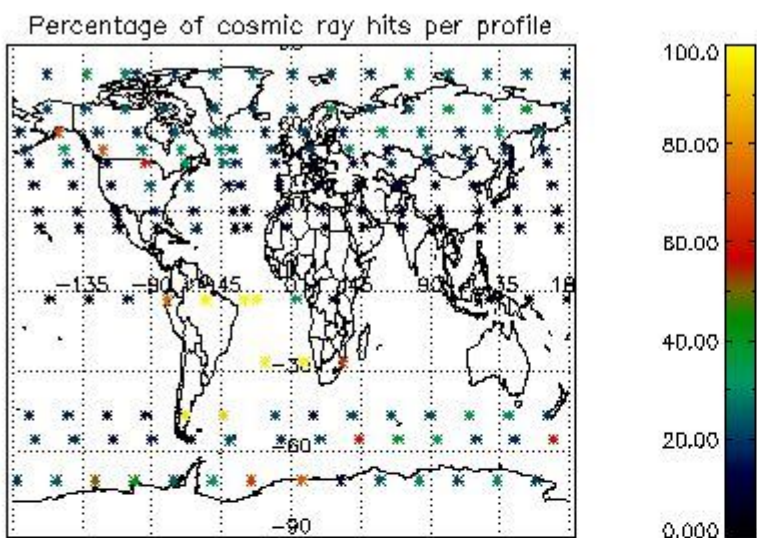


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



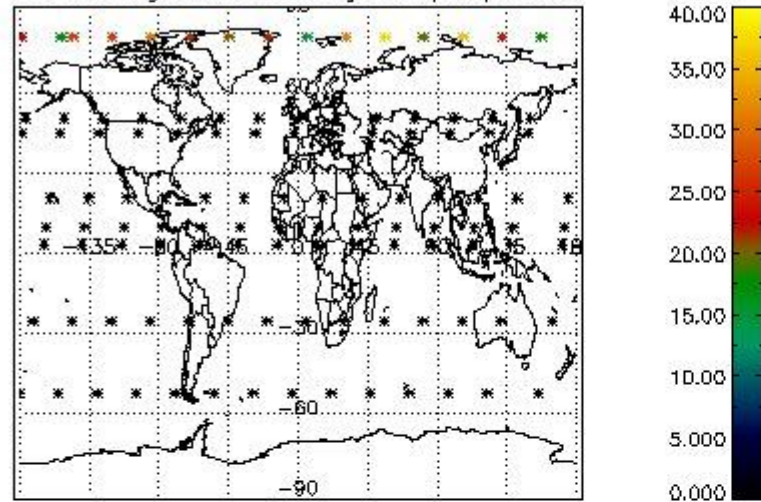
4.2 Plot quality information per product coming from level 1b processing (world map)

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

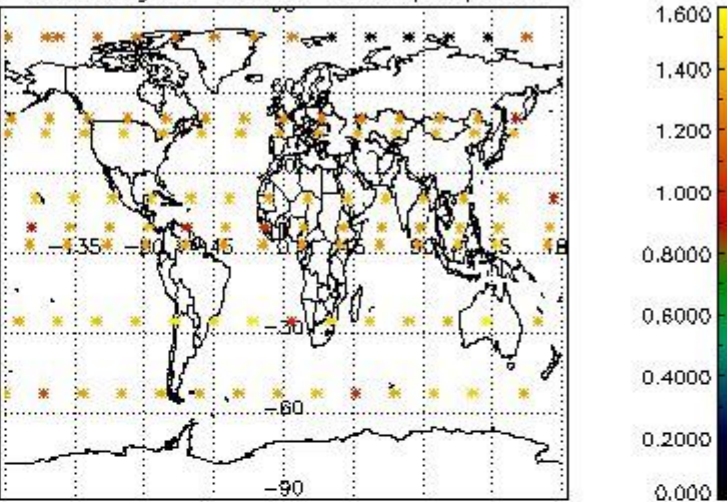


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

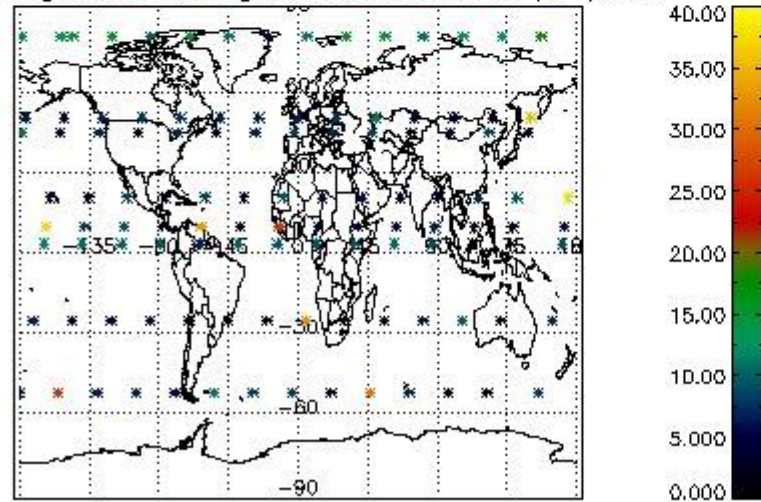
Percentage of cosmic ray hits per profile



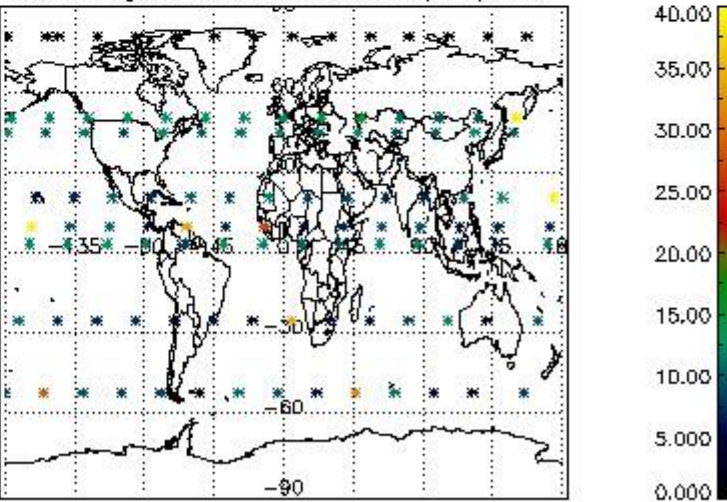
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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

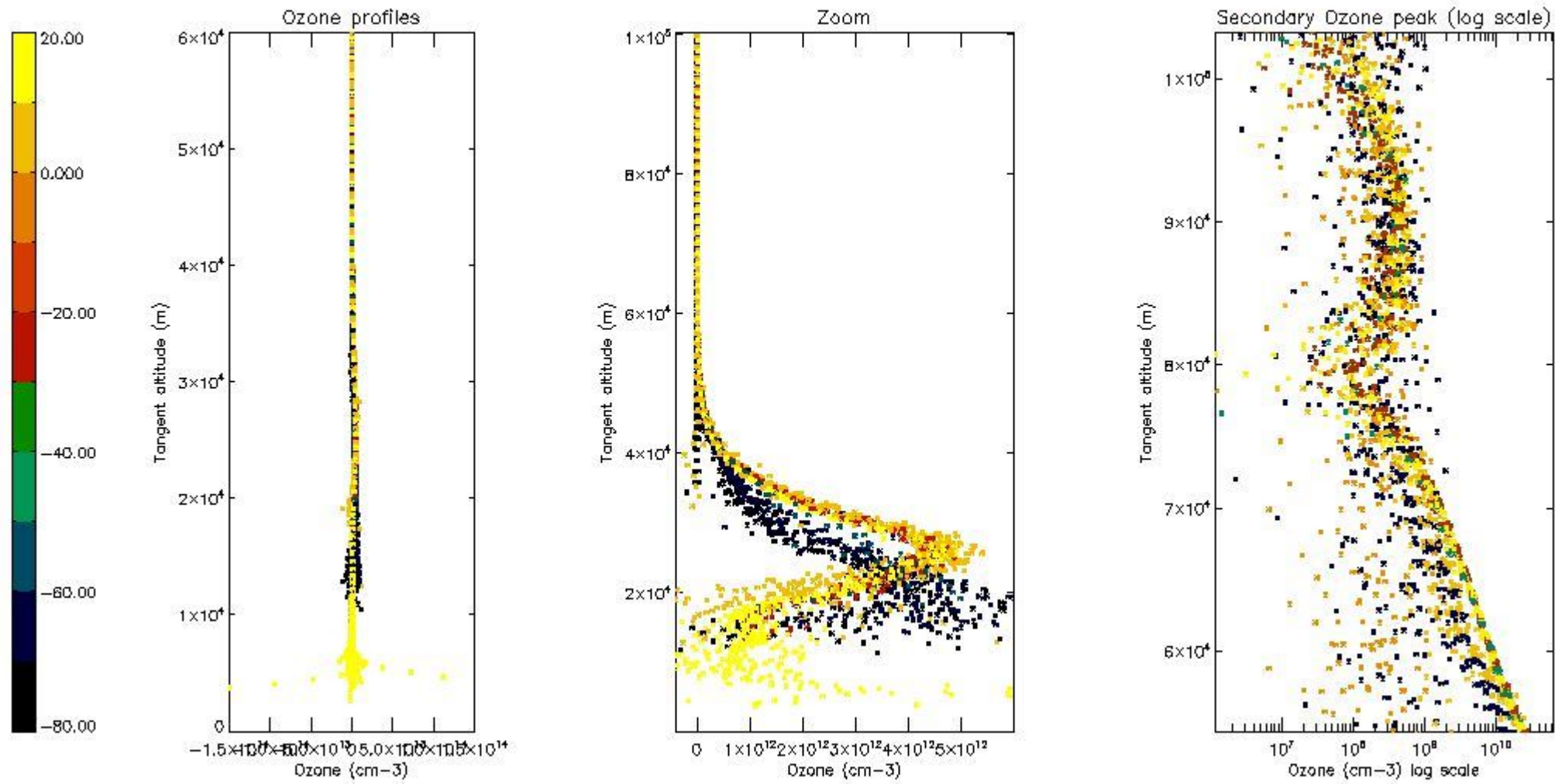
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	30
STD < 20	14

STD < 10	9
STD < 5	4

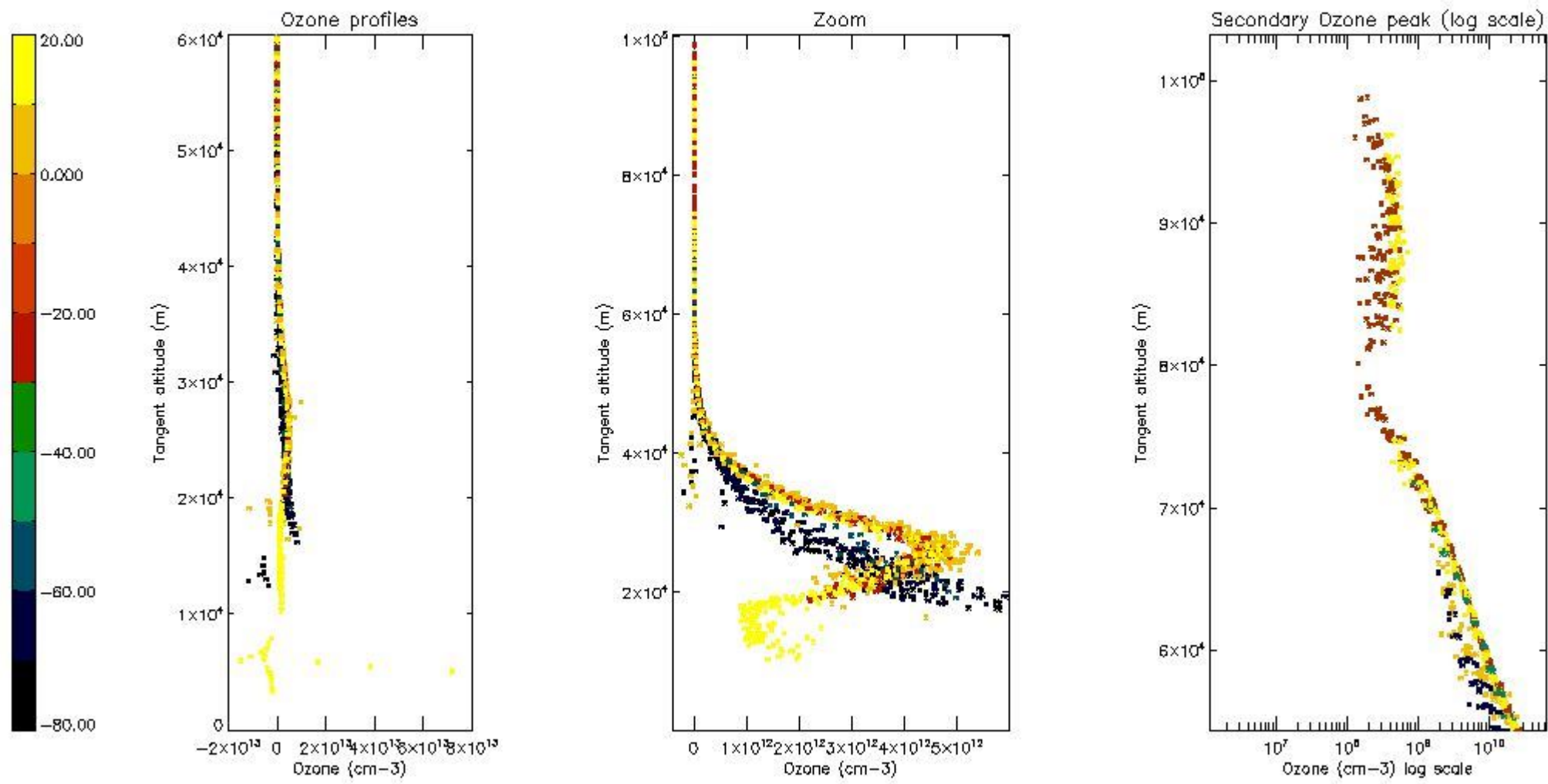
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



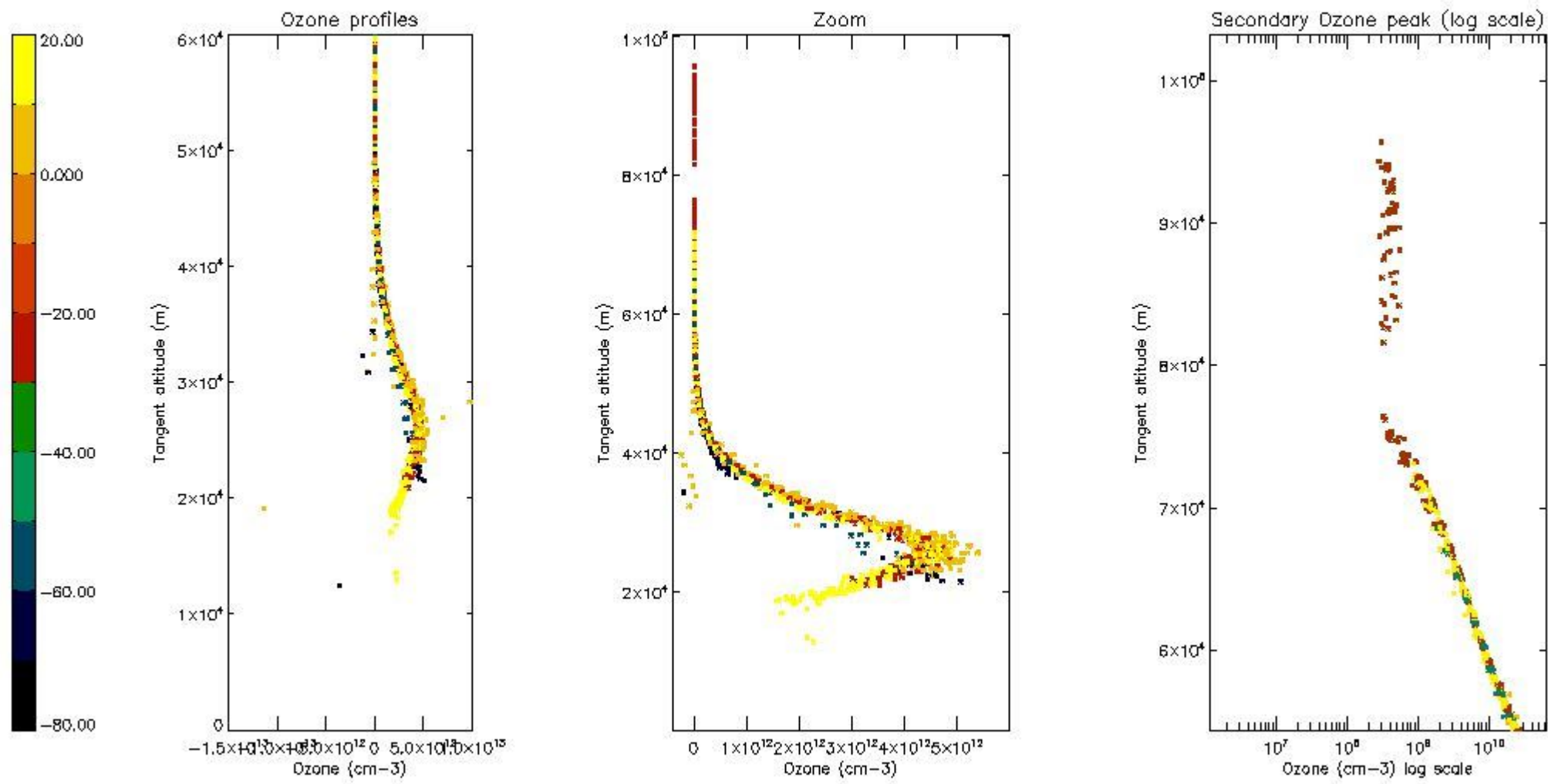
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



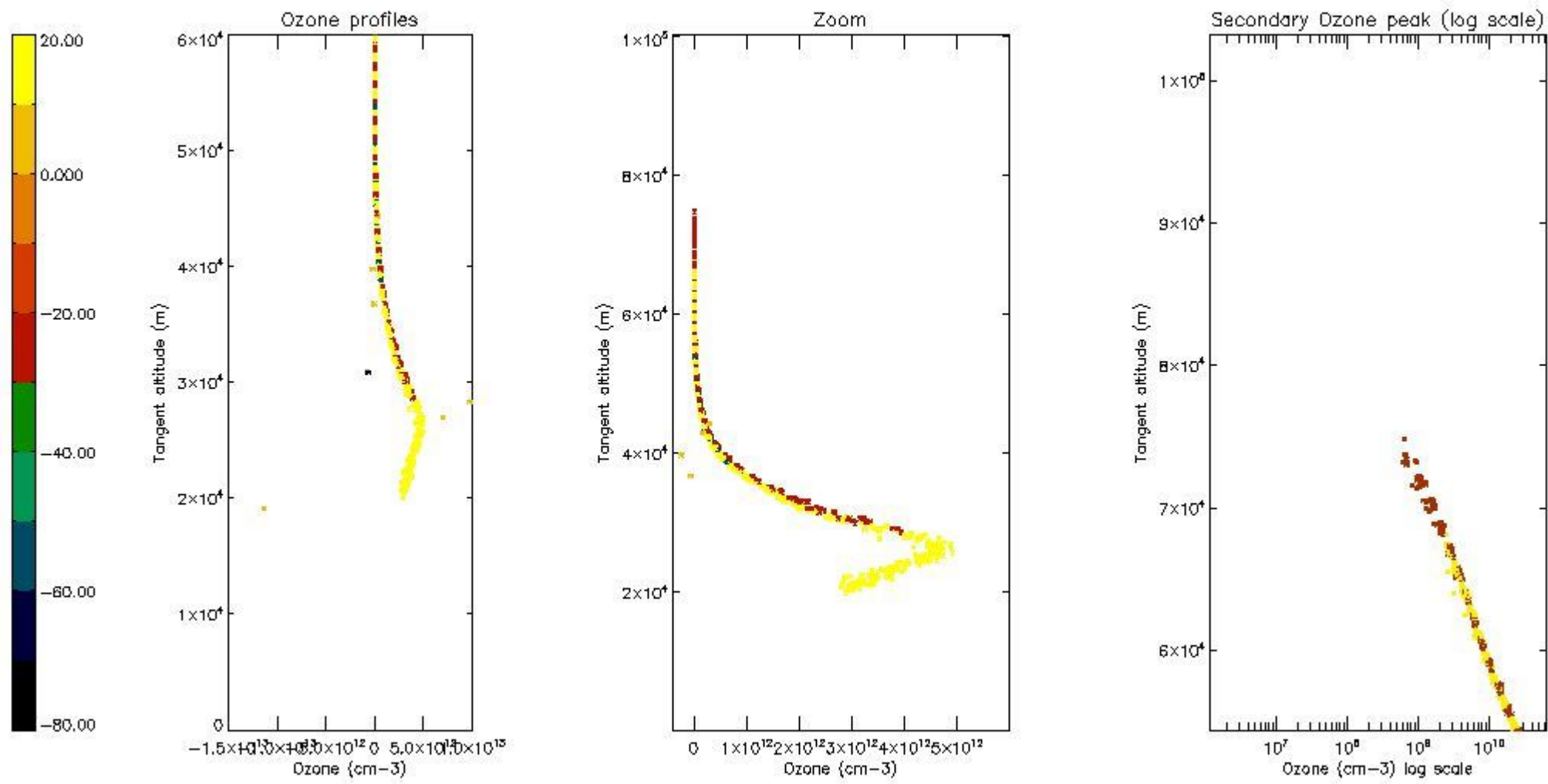
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



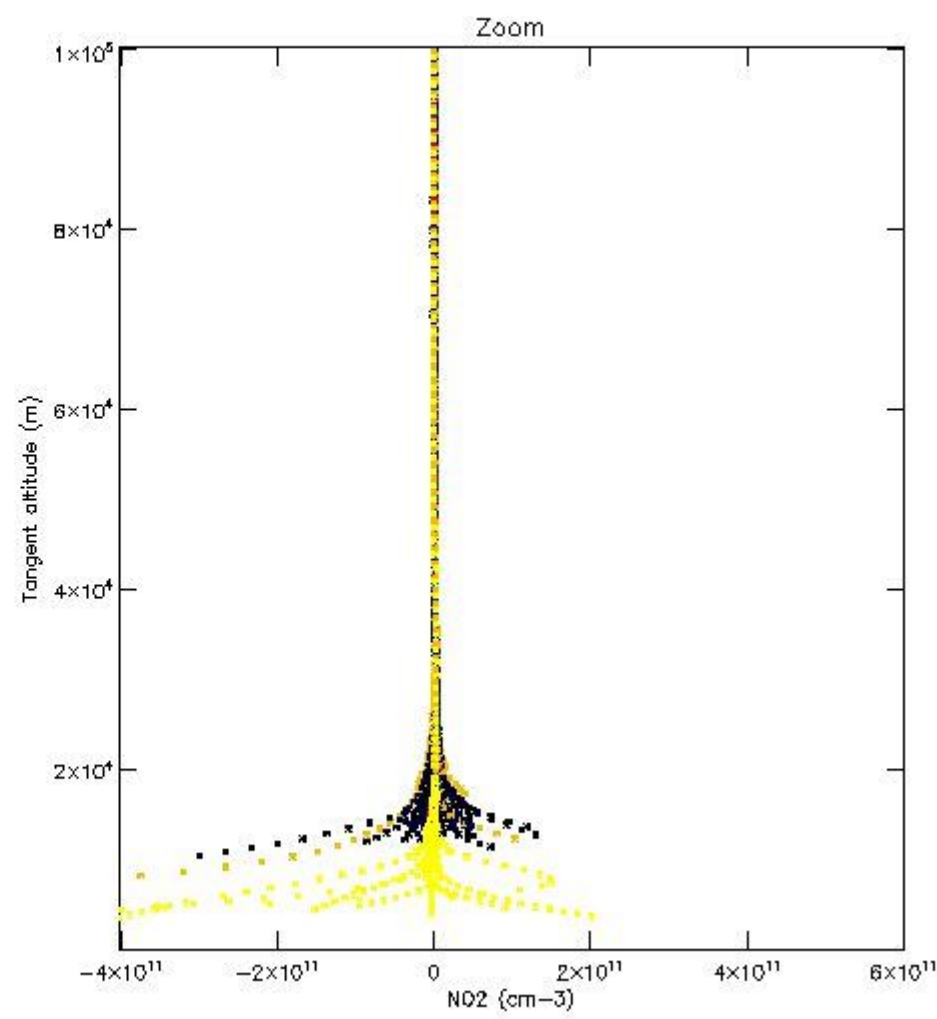
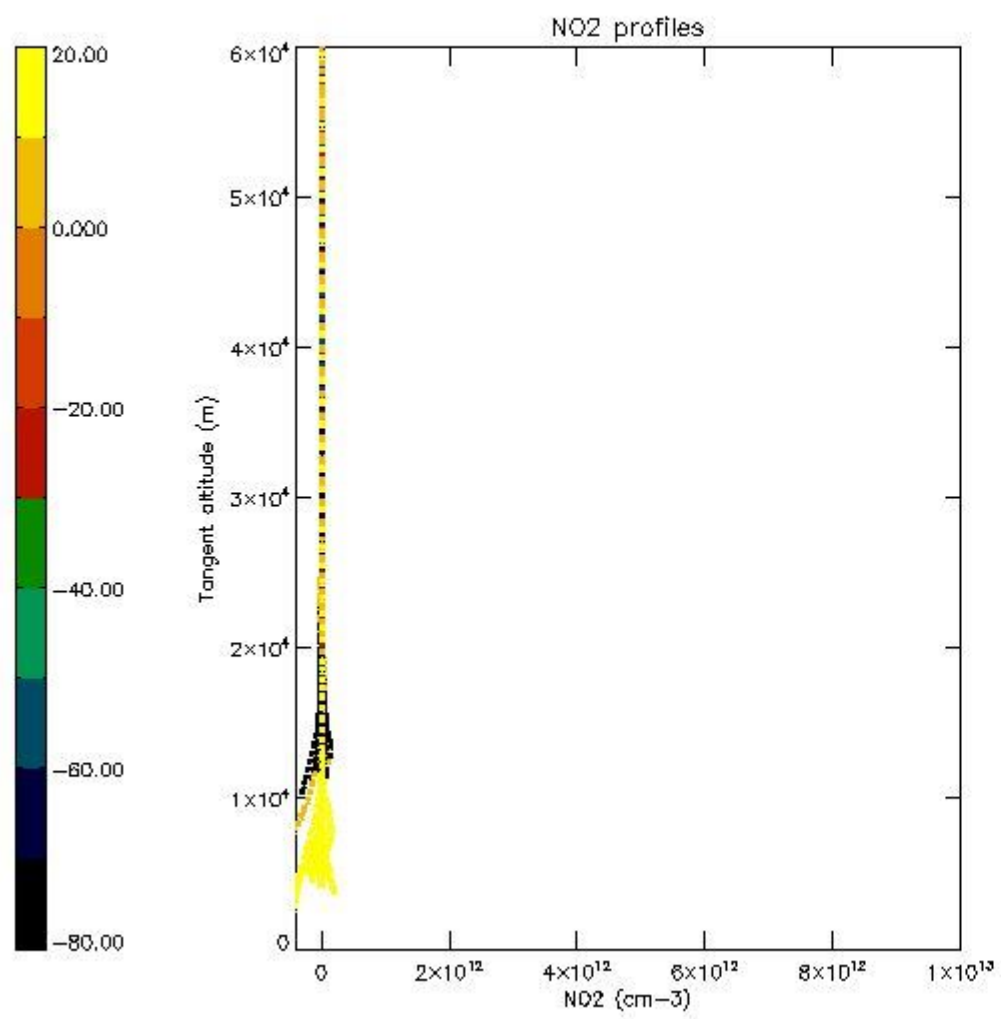
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



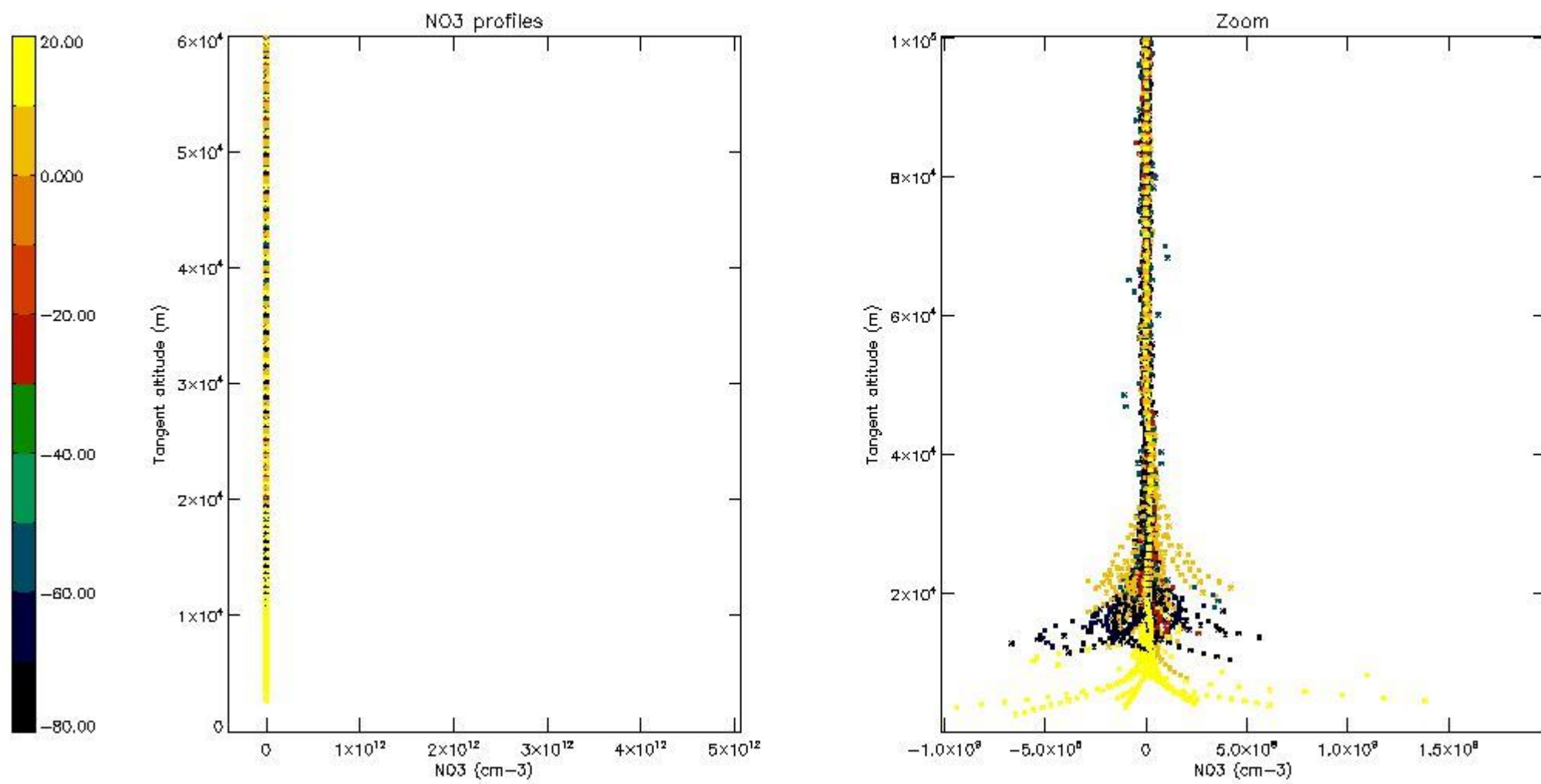
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



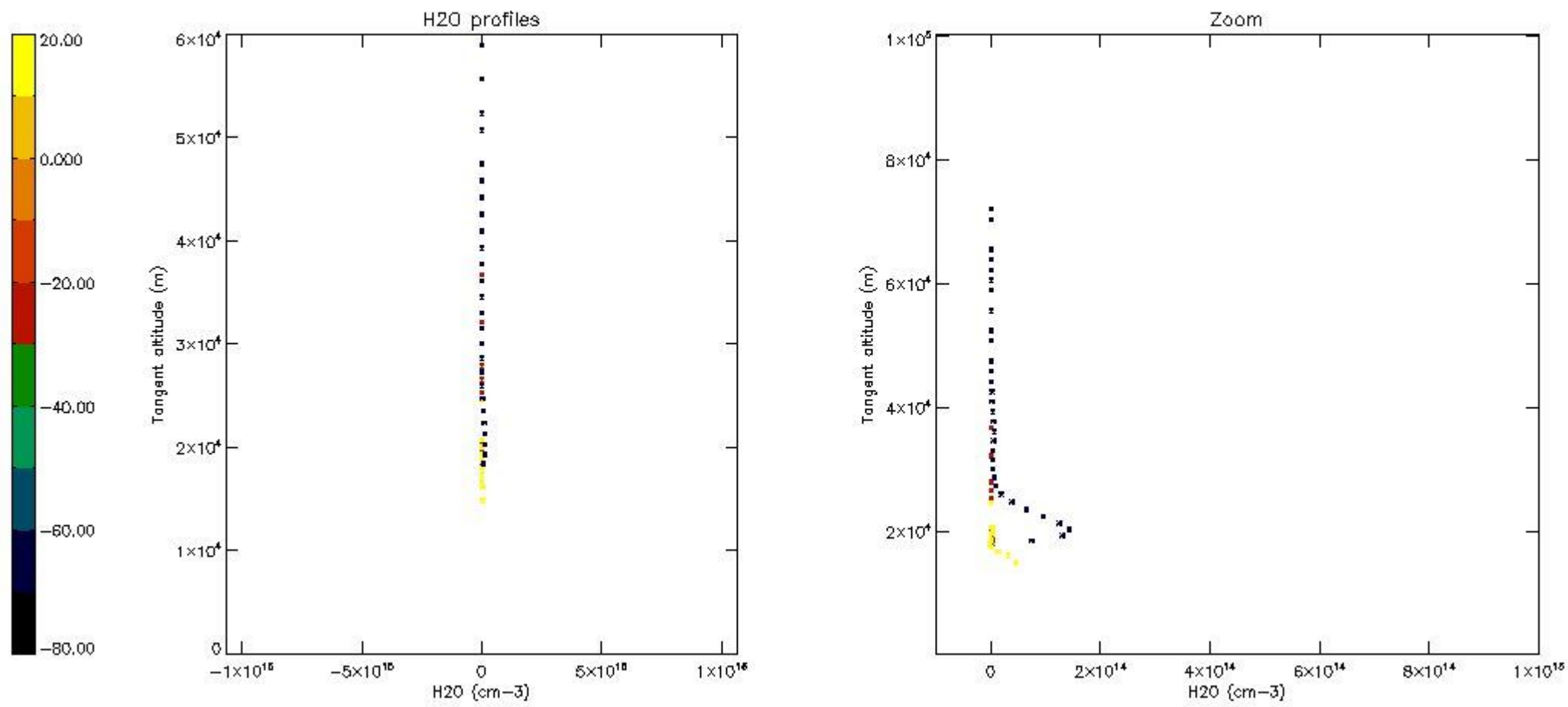
5.7 Plot NO3 profiles for all STD (dark without errors)

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	30-MAR-2008 00:02:12
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	30-MAR-2008 00:02:12
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	30-MAR-2008 00:02:12

GOMOS Level 2 Daily Report

SUMMARY

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[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](#)

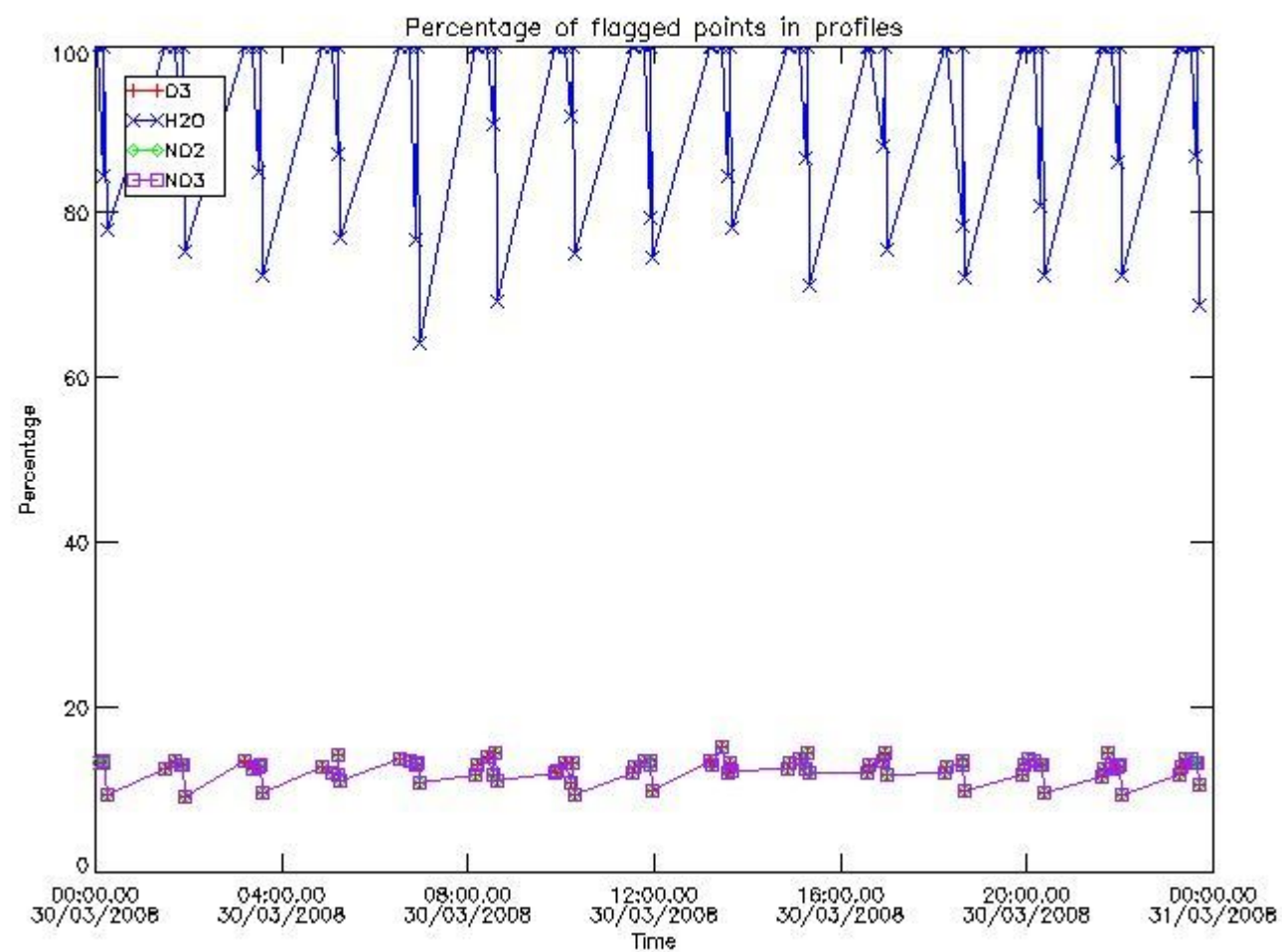
[6. Auxiliary Data Files used for the production reported in section 2](#)

279	GOM_NL__2PRFIN20080330_231827_000000402067_00187_31804_9534.N1	30-MAR-2008 23:18:27	Dark	40.000	142	49Del Cap	2.8500	8900.0	80	31804	No
280	GOM_NL__2PRFIN20080330_232404_000000372067_00187_31804_9535.N1	30-MAR-2008 23:24:04	Dark	37.000	172	Gam Gru	3.0030	13100.	74	31804	No
281	GOM_NL__2PRFIN20080330_233040_000000372067_00187_31804_9536.N1	30-MAR-2008 23:30:40	Dark	37.000	45	Alp Pav	1.9400	26000.	74	31804	No
282	GOM_NL__2PRFIN20080330_233811_000000392067_00188_31805_9527.N1	30-MAR-2008 23:38:11	Dark	38.500	43	Alp TrA	1.9100	4250.0	77	31805	No
283	GOM_NL__2PRFIN20080330_234000_000000392067_00188_31805_9528.N1	30-MAR-2008 23:40:00	Dark	38.500	134	Bet TrA	2.8100	6600.0	77	31805	No
284	GOM_NL__2PRFIN20080330_234239_000000532067_00188_31805_9529.N1	30-MAR-2008 23:42:39	Dark	53.000	4	Alp1Cen	-0.010000	5800.0	106	31805	No
285	GOM_NL__2PRFIN20080330_234459_000000442067_00188_31805_9530.N1	30-MAR-2008 23:44:59	Straylight	44.000	12	Alp1Cru	0.77500	30000.	88	31805	No
286	GOM_NL__2PRFIN20080330_234625_000000522067_00188_31805_9531.N1	30-MAR-2008 23:46:25	Straylight	51.500	26	Gam Cru	1.6240	2900.0	103	31805	No
287	GOM_NL__2PRFIN20080330_234821_000000402067_00188_31805_9532.N1	30-MAR-2008 23:48:21	Straylight	39.500	64	Gam Cen	2.2000	10600.	79	31805	No
288	GOM_NL__2PRFIN20080330_235054_000000442067_00188_31805_9533.N1	30-MAR-2008 23:50:54	Straylight	44.000	123	lot Cen	2.7500	10200.	88	31805	No
289	GOM_NL__2PRFIN20080330_235548_000000472067_00188_31805_9534.N1	30-MAR-2008 23:55:48	Twilight_and_stray	46.500	106	9Bet Crv	2.6480	5600.0	93	31805	No
290	GOM_NL__2PRFIN20080330_235746_000000432067_00188_31805_9535.N1	30-MAR-2008 23:57:46	Twilight_and_stray	43.000	100	4Gam Crv	2.5800	13100.	86	31805	No

3. Quality information per product

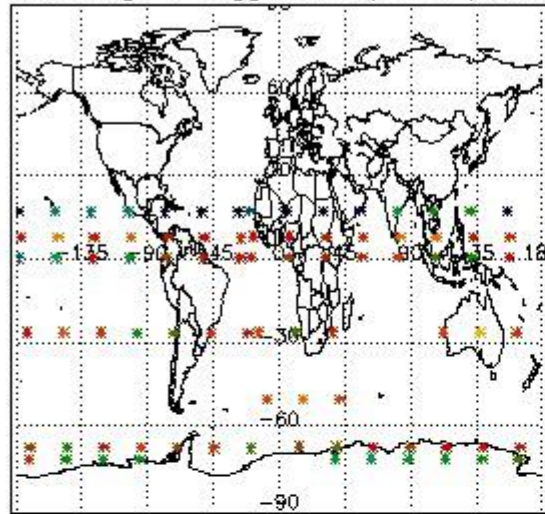
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

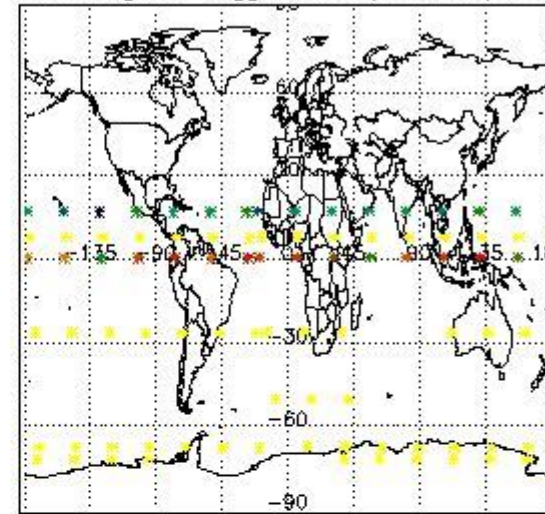


3.2 Plot quality information per product (world map)

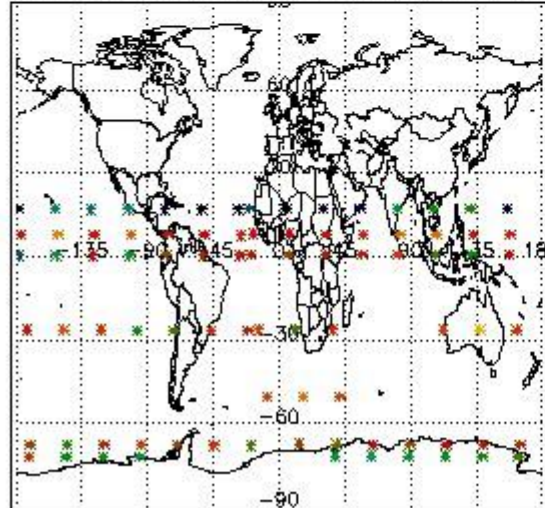
Percentage of flagged data per O3 profile



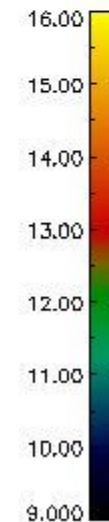
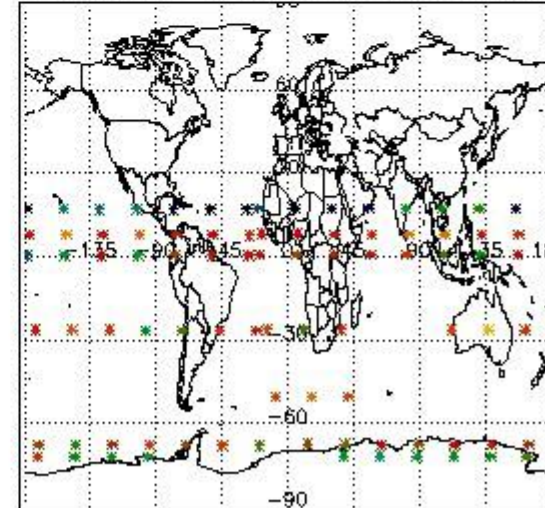
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

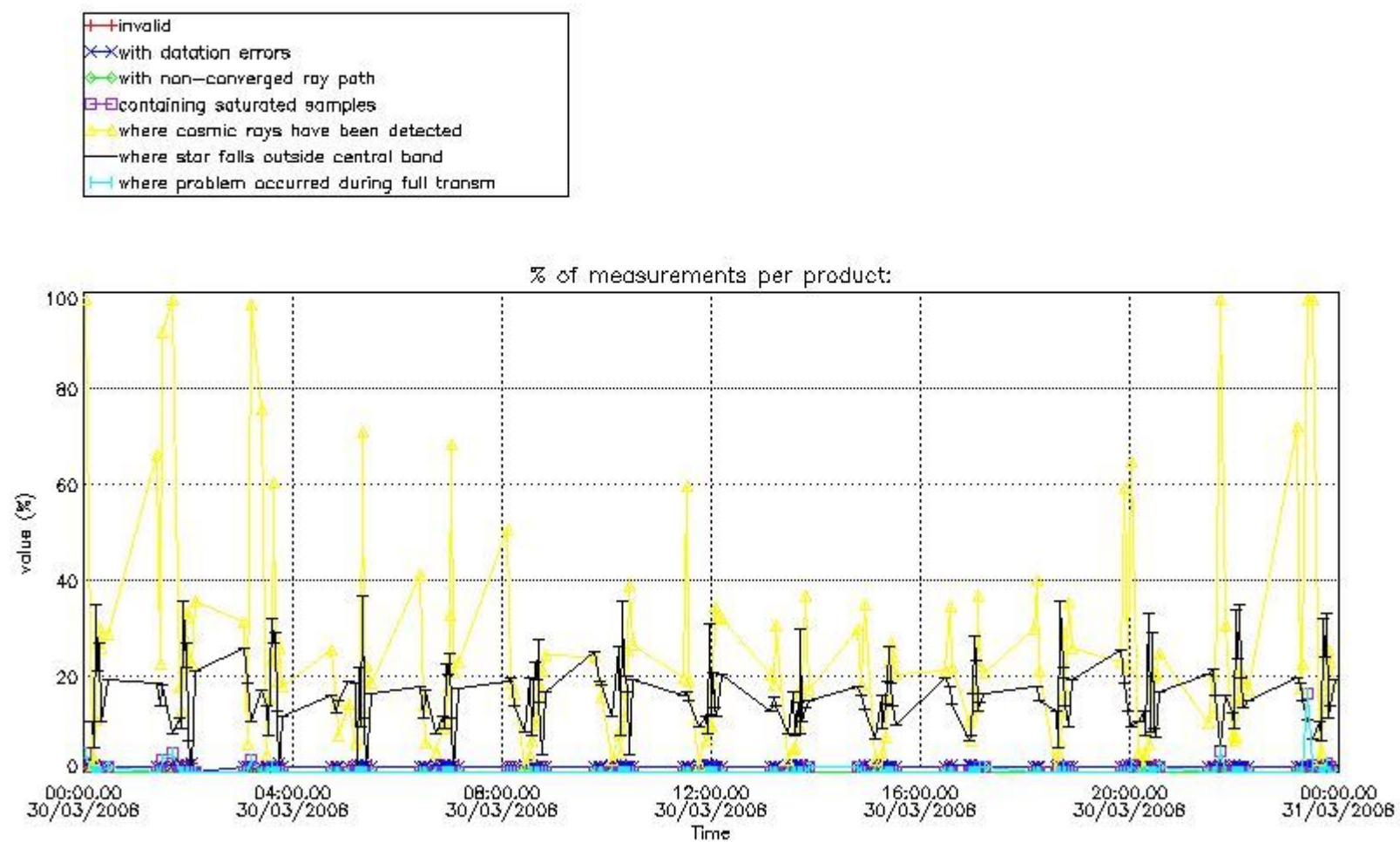


4. Level 1 quality information per product

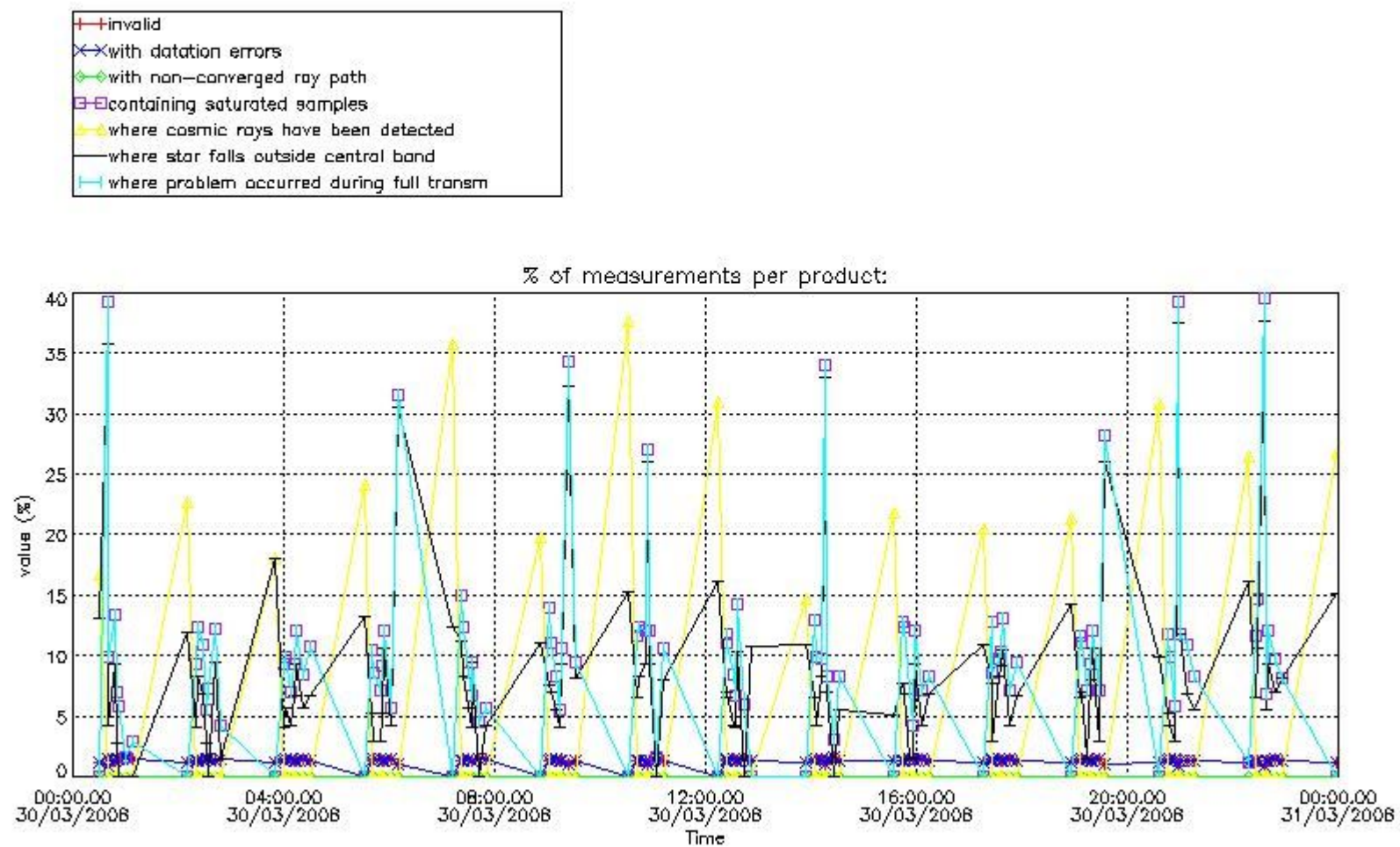
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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

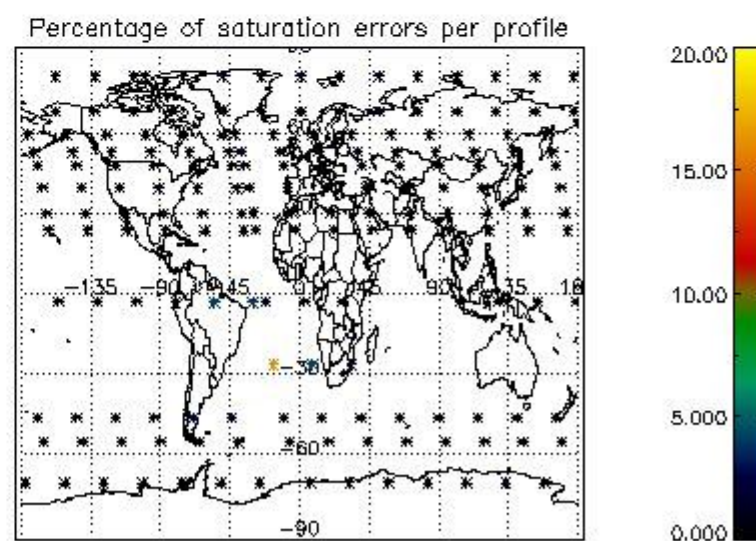
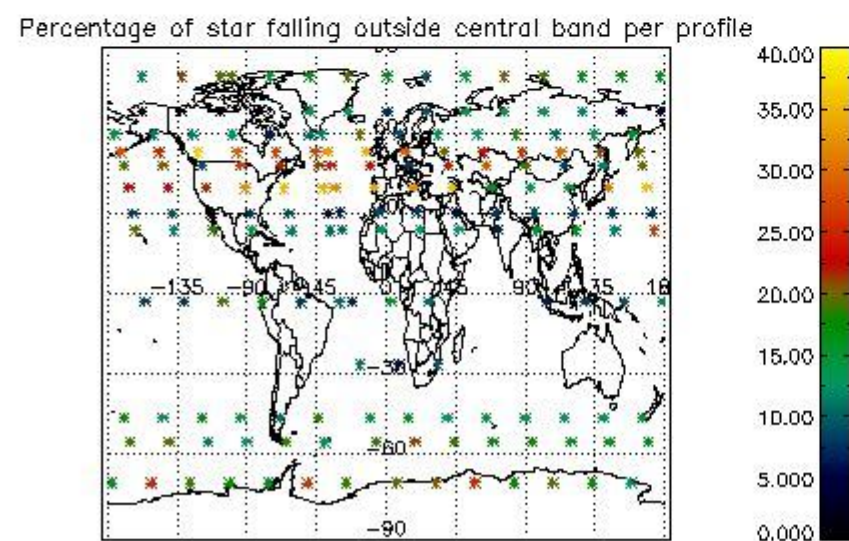
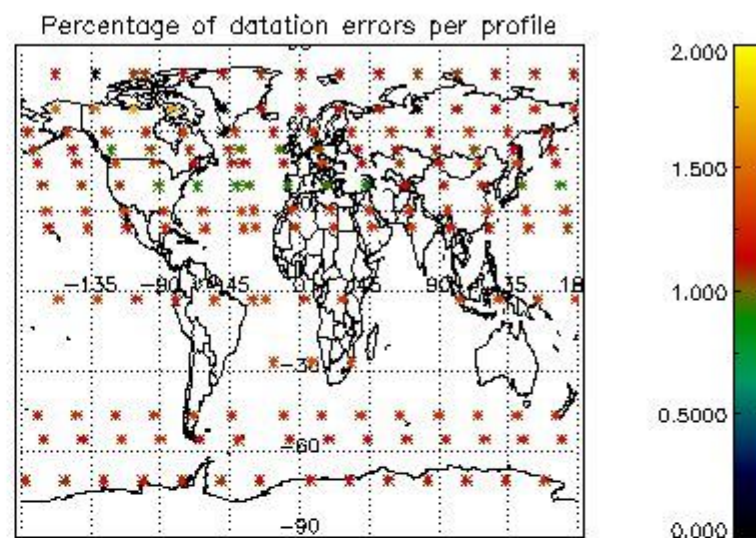
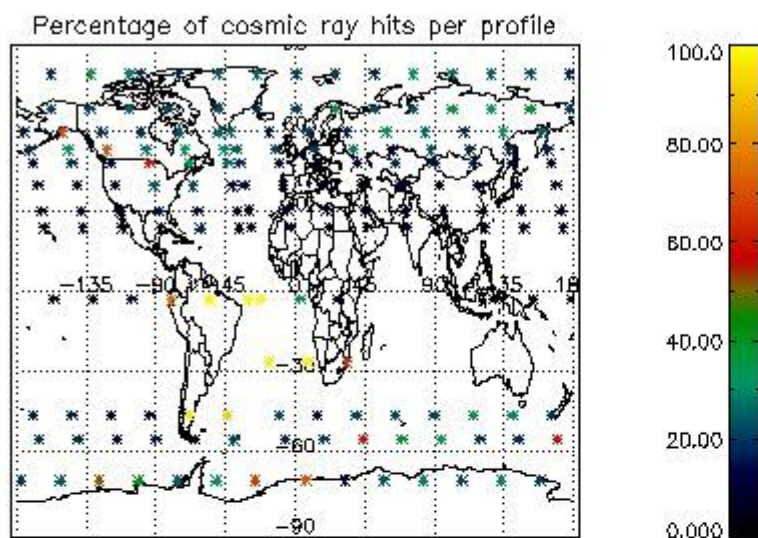


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



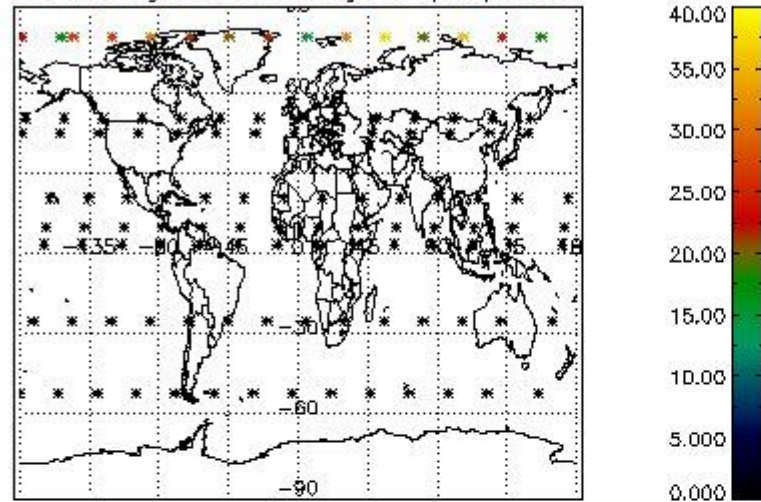
4.2 Plot quality information per product coming from level 1b processing (world map)

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

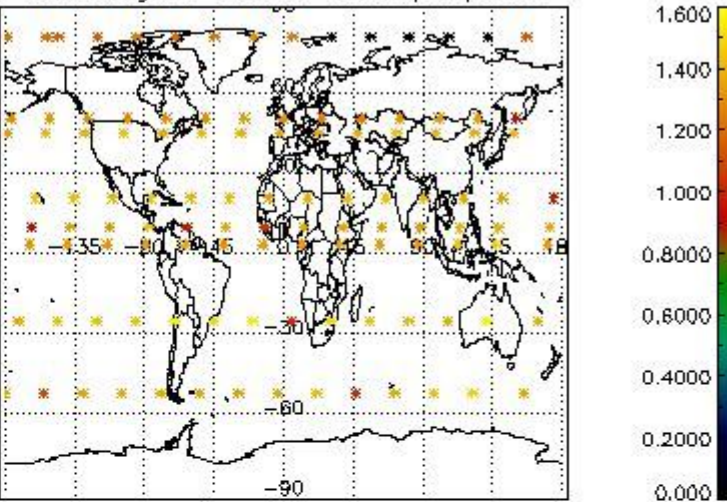


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

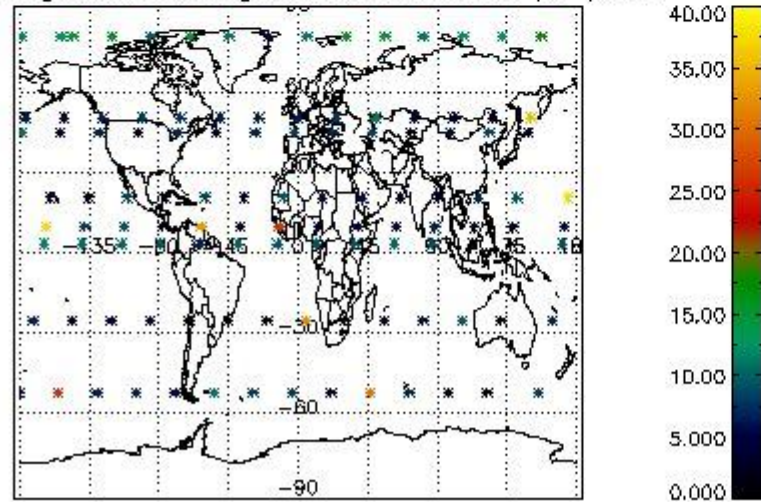
Percentage of cosmic ray hits per profile



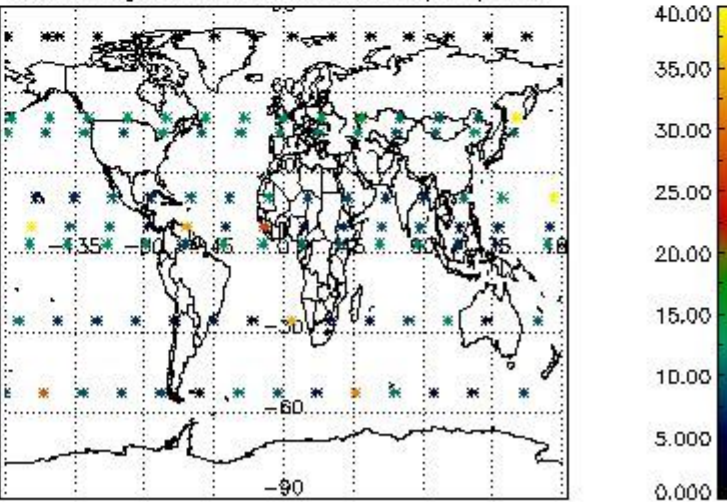
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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

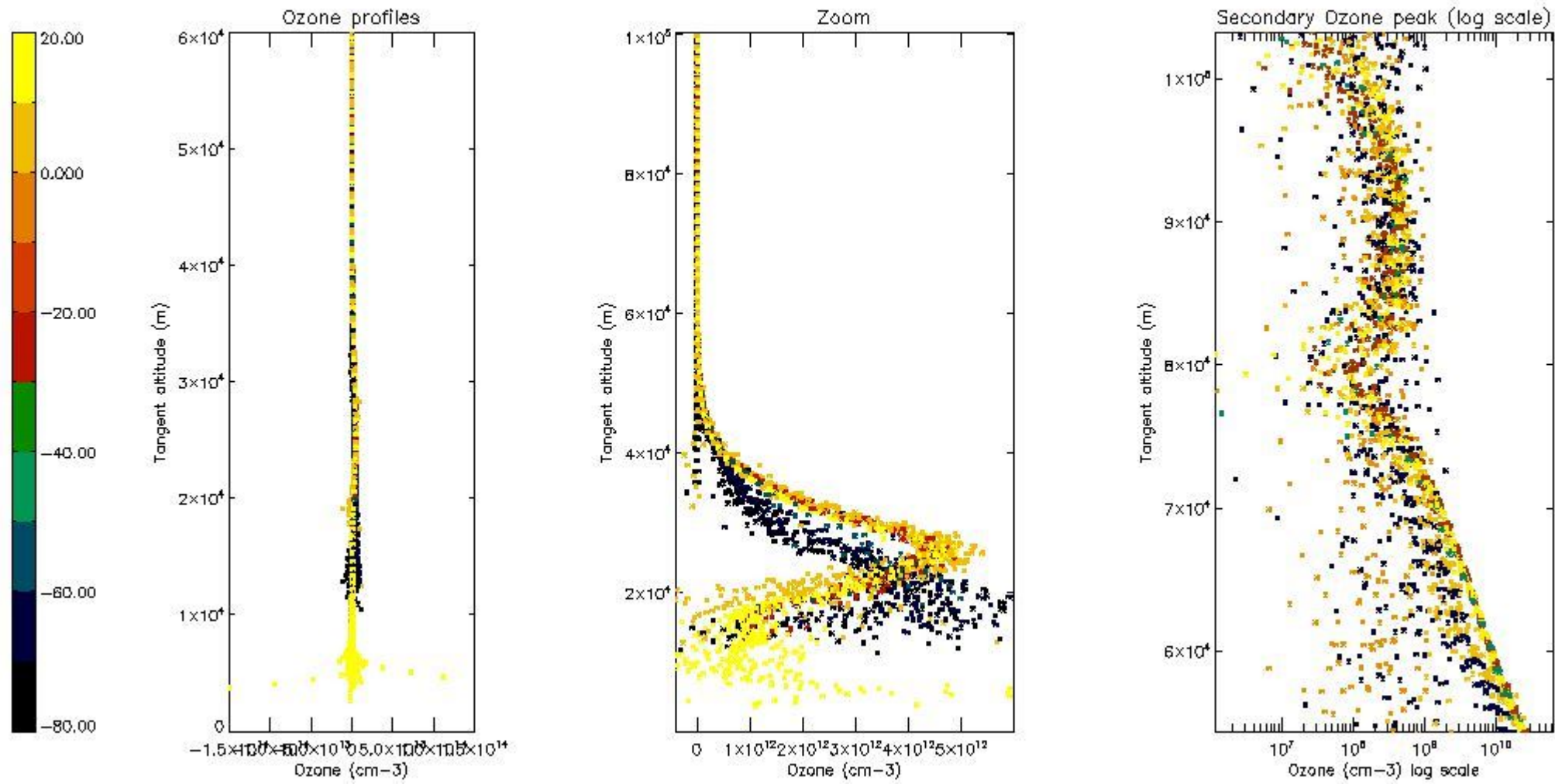
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	30
STD < 20	14

STD < 10	9
STD < 5	4

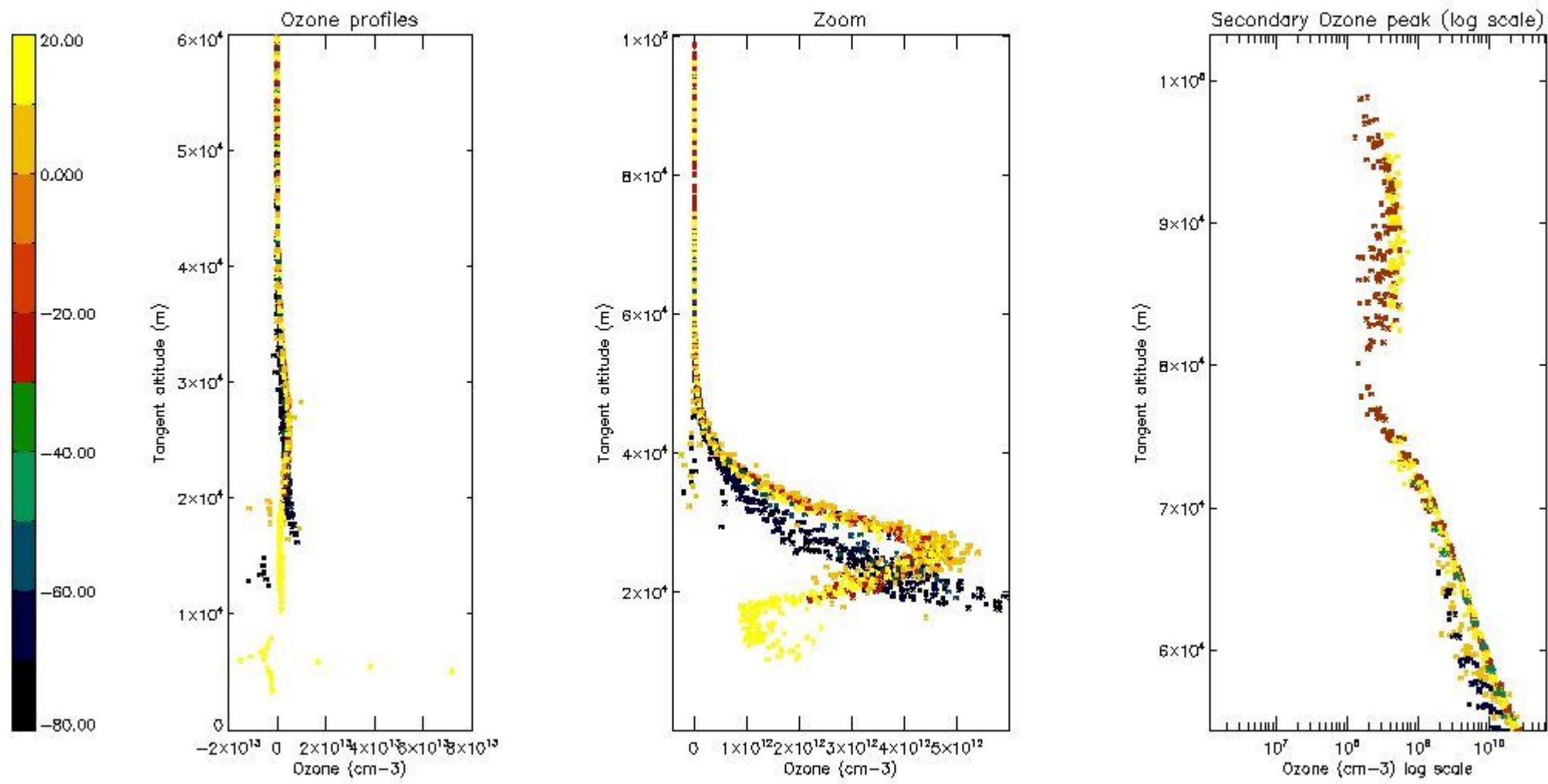
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



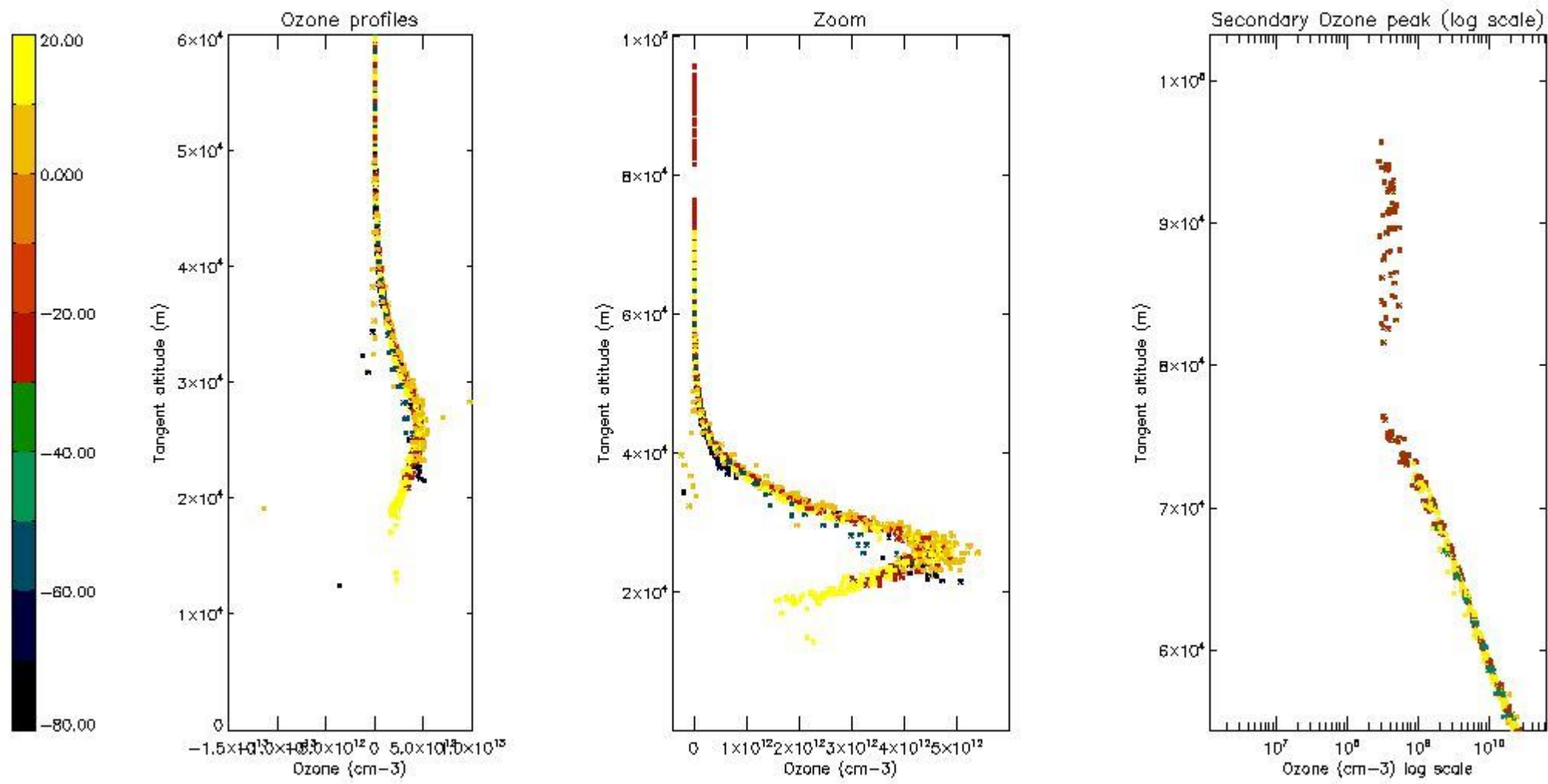
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



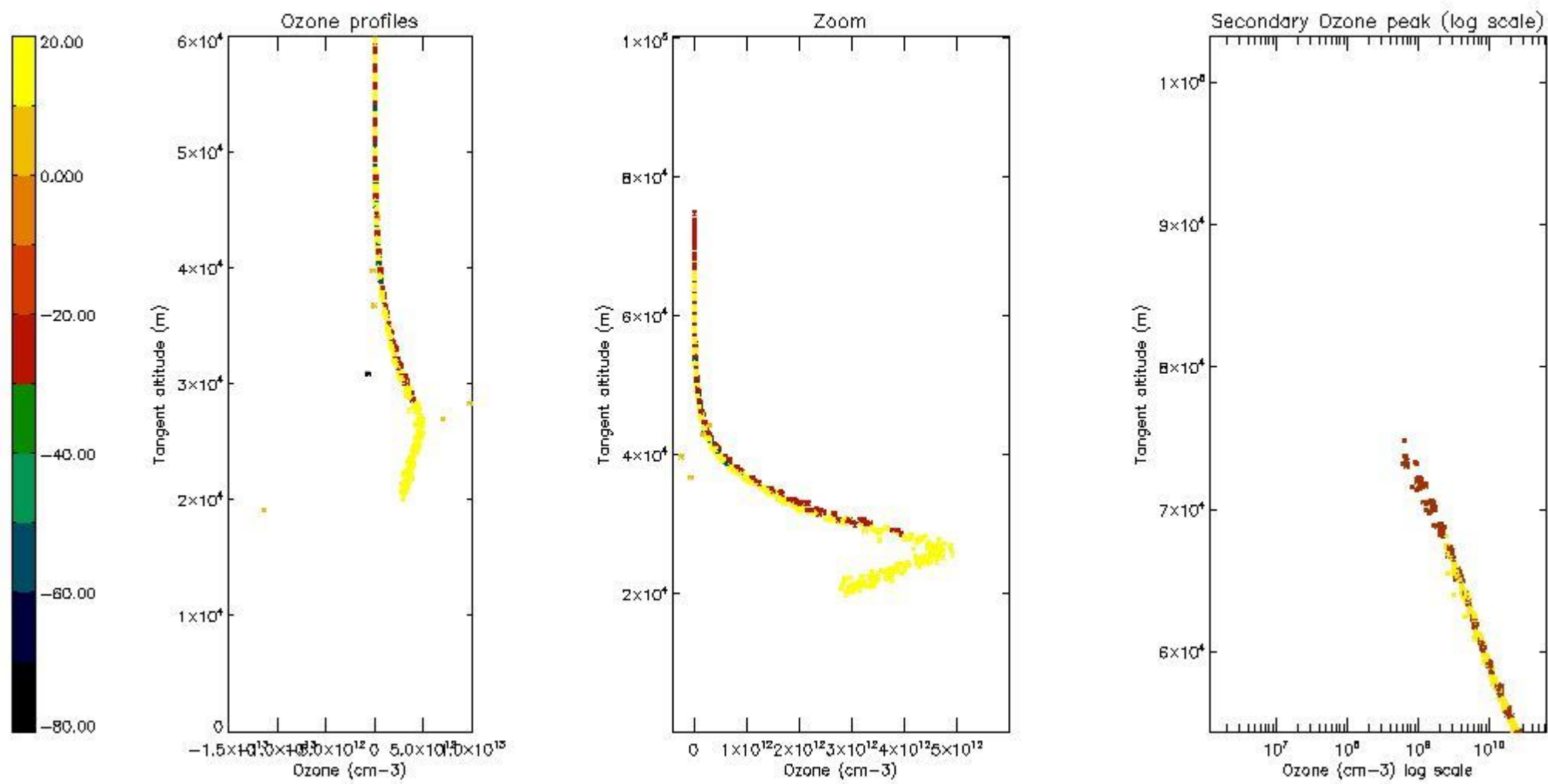
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



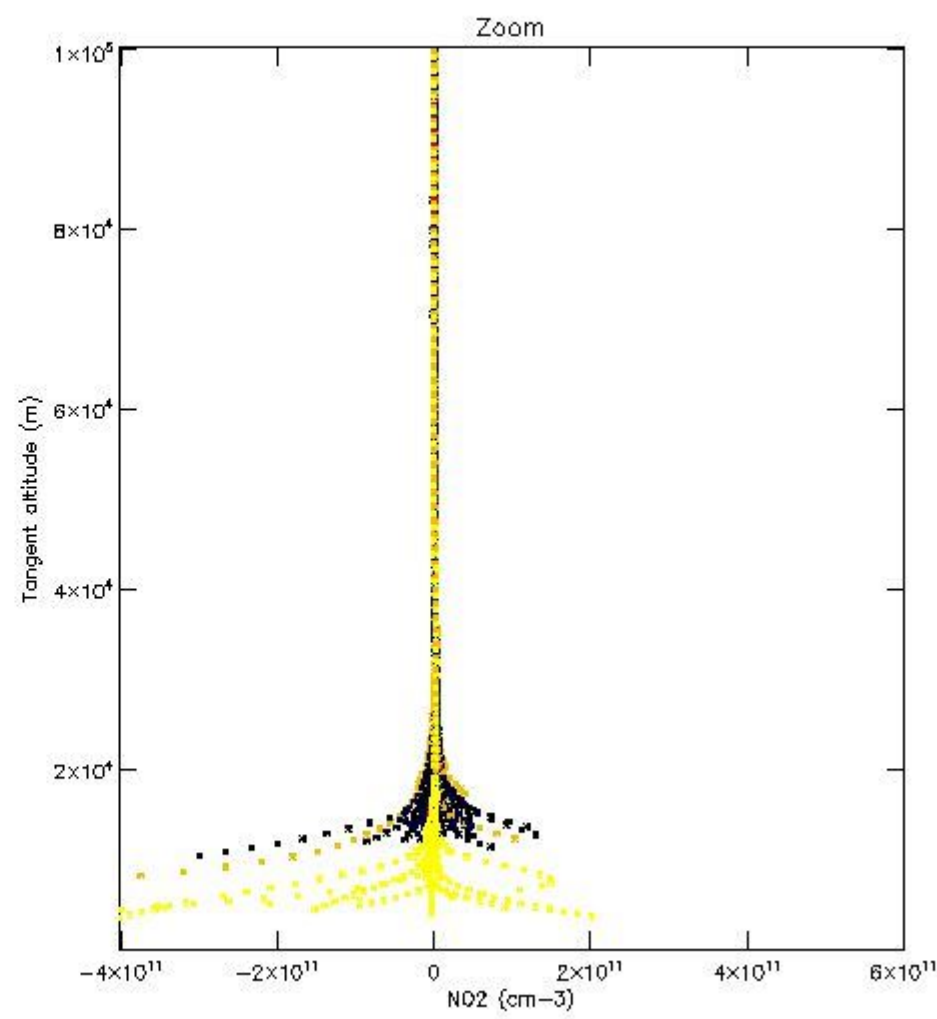
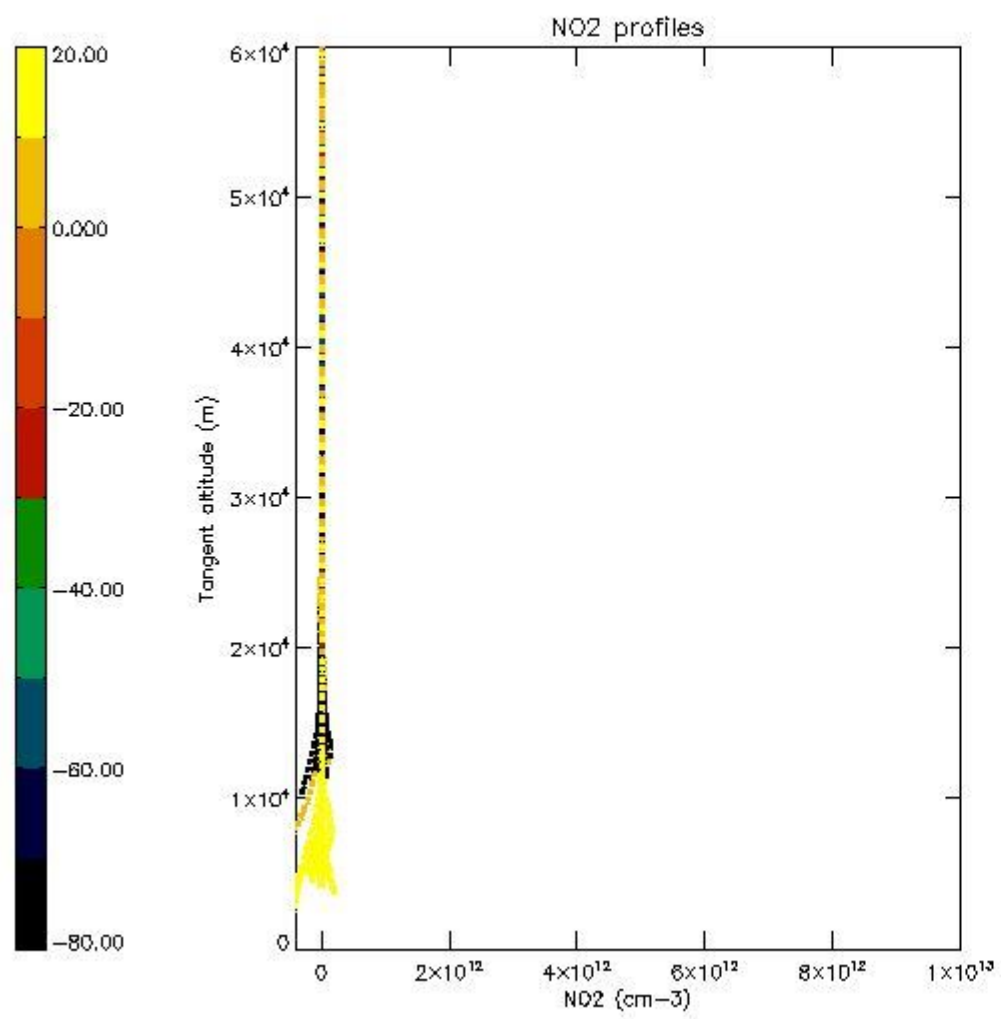
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



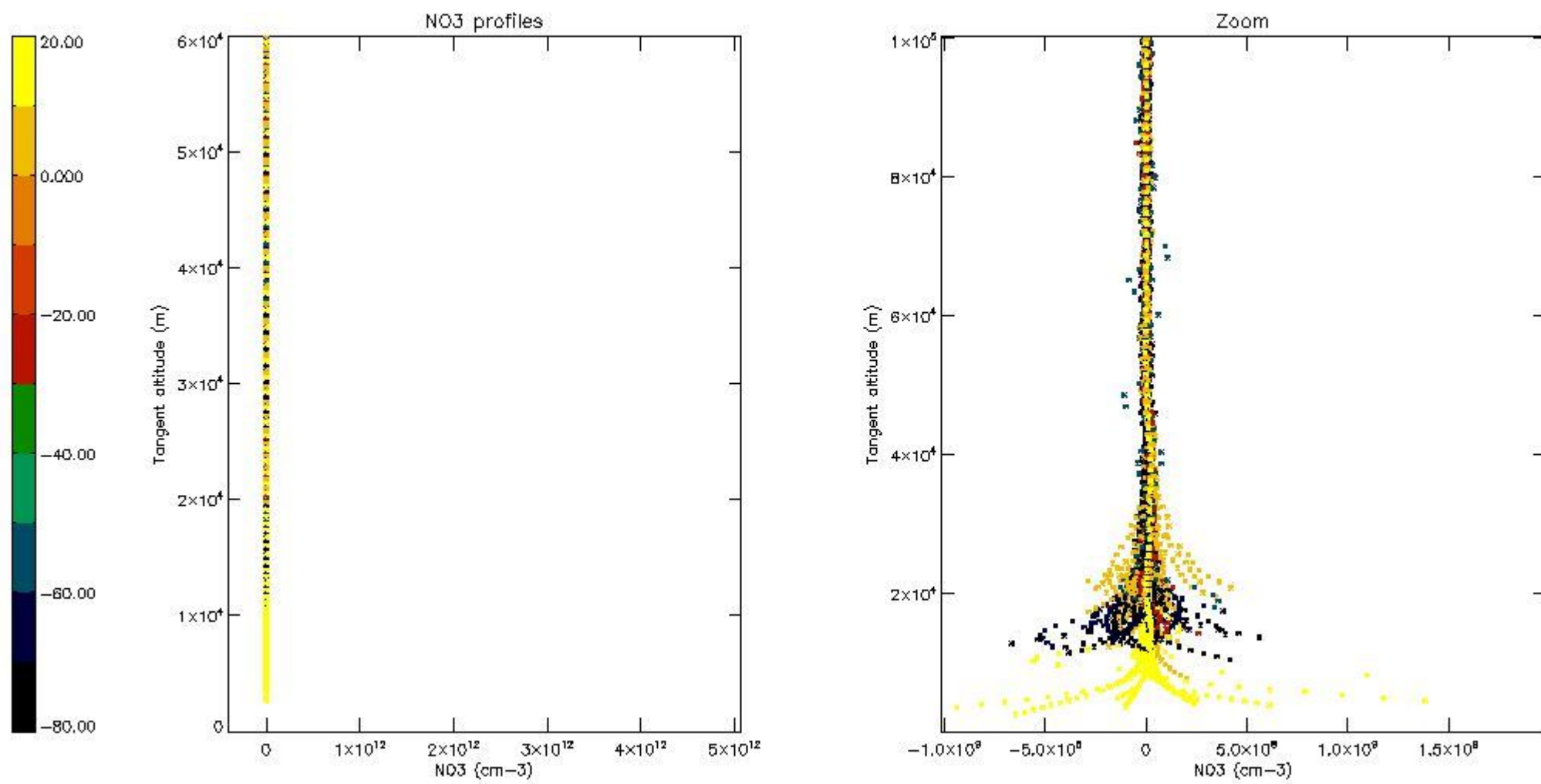
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



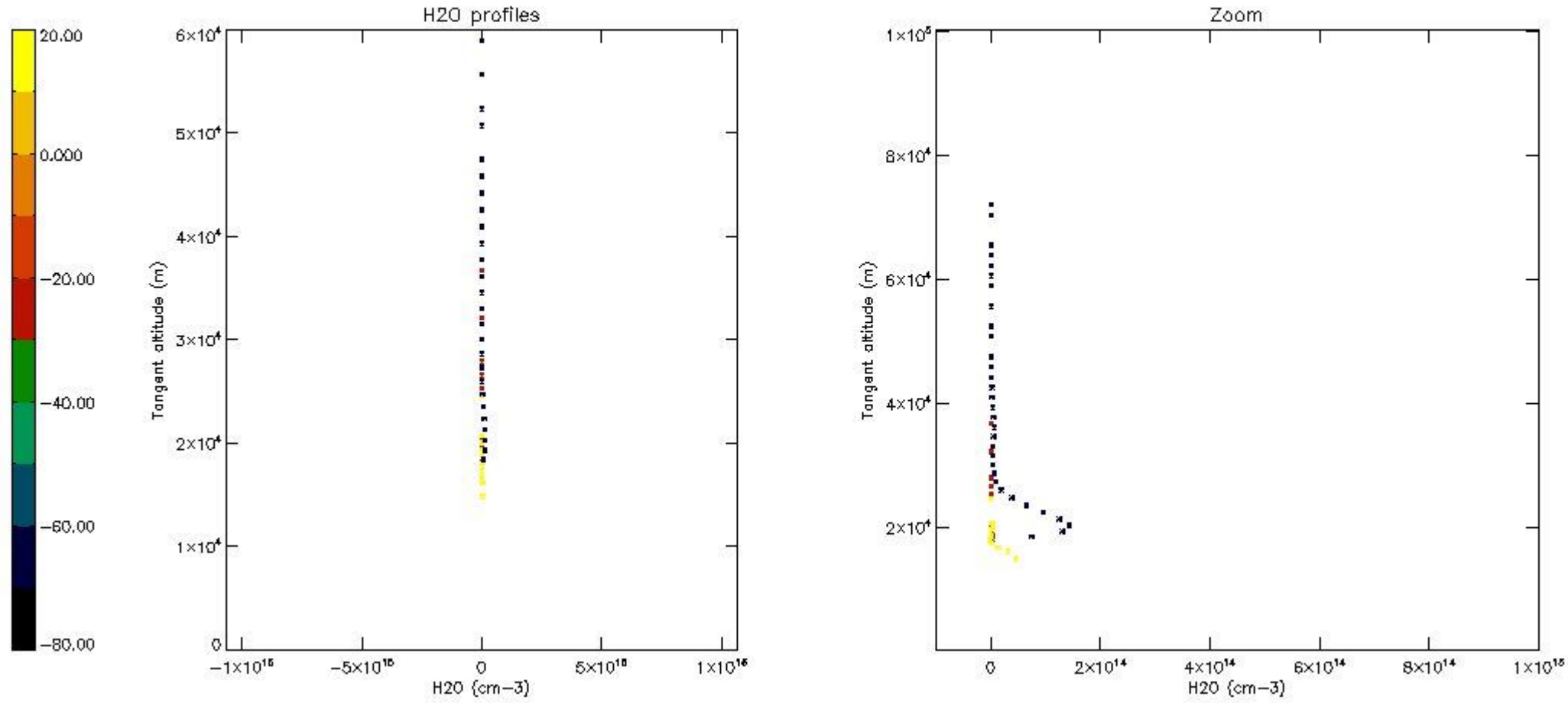
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

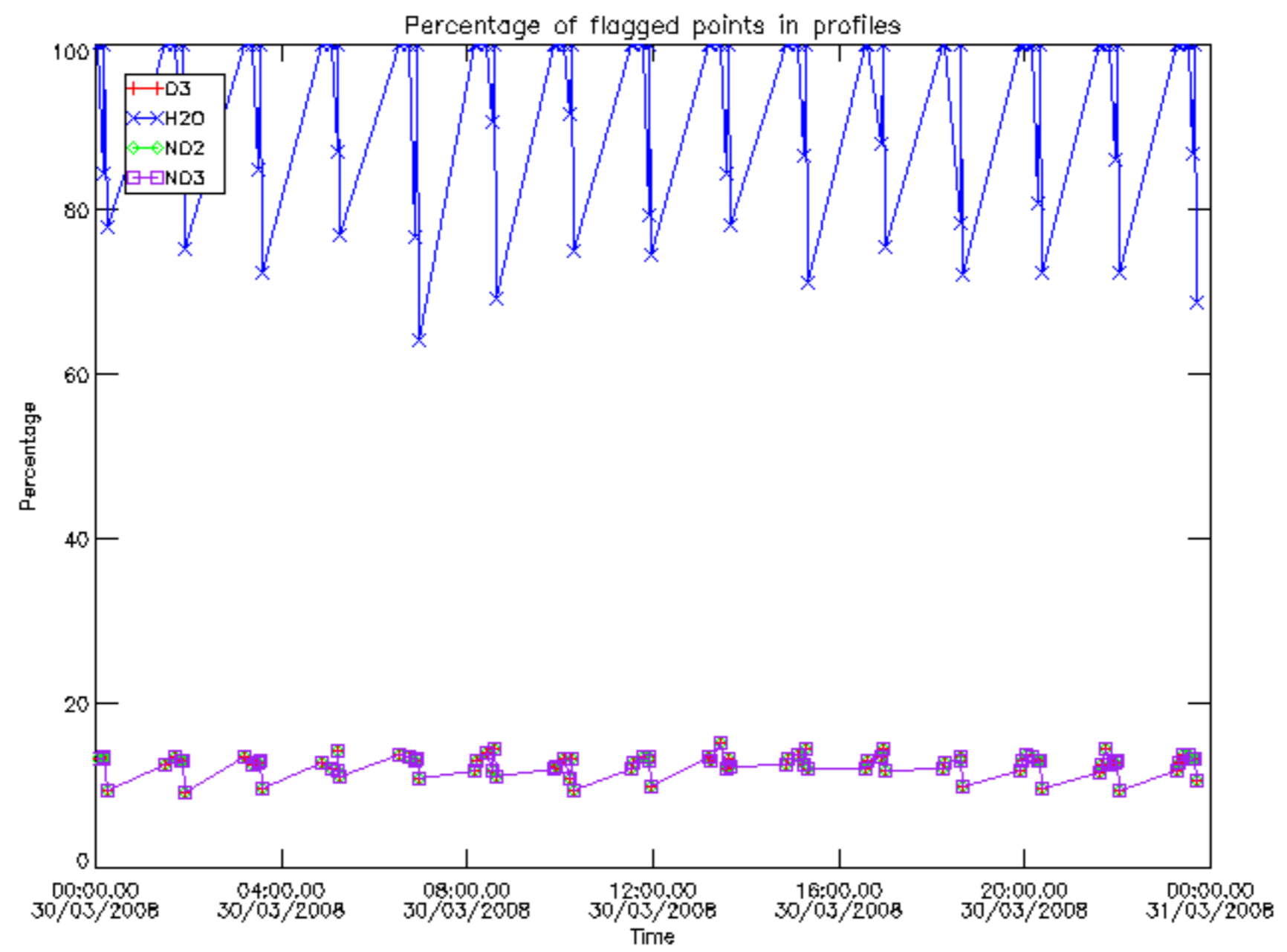
The colorbar represents the latitude.



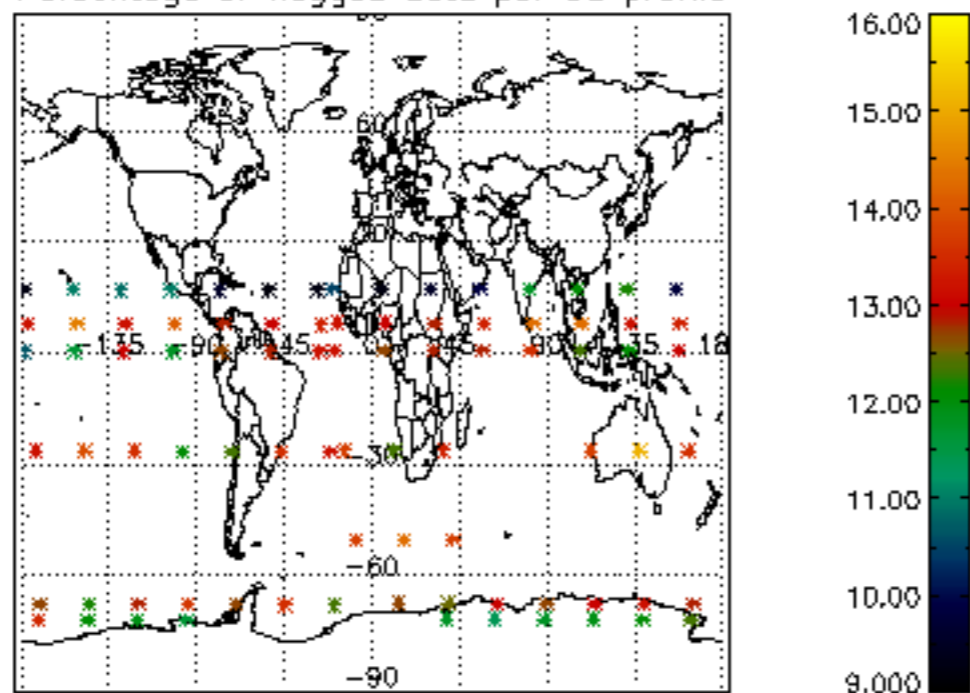
6. Auxiliary Data Files used for the production reported in section 2

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.

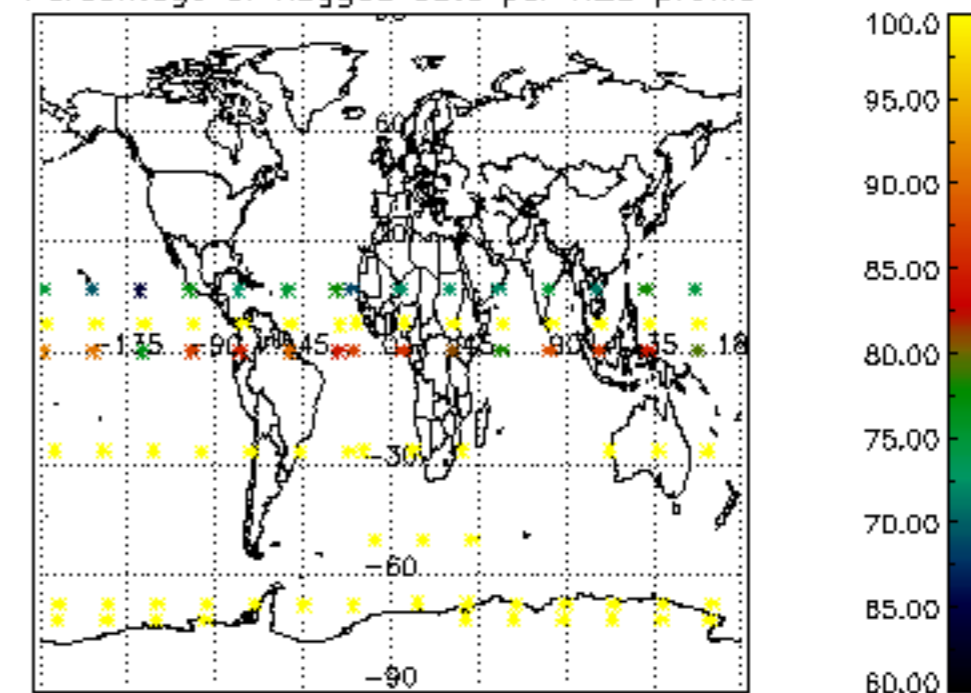
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	30-MAR-2008 00:02:12
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	30-MAR-2008 00:02:12
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	30-MAR-2008 00:02:12



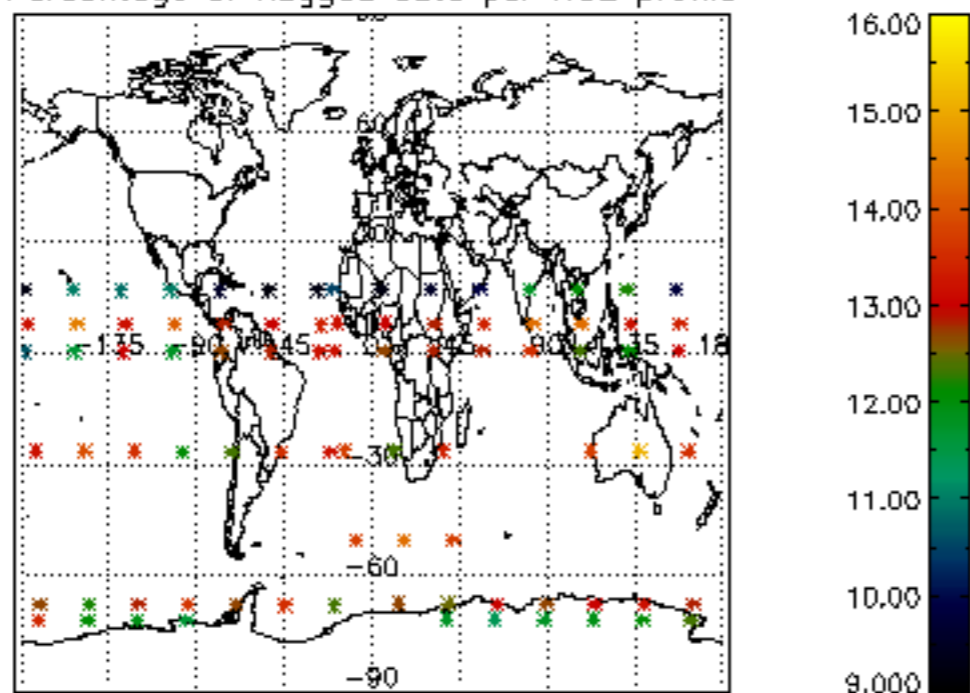
Percentage of flagged data per D3 profile



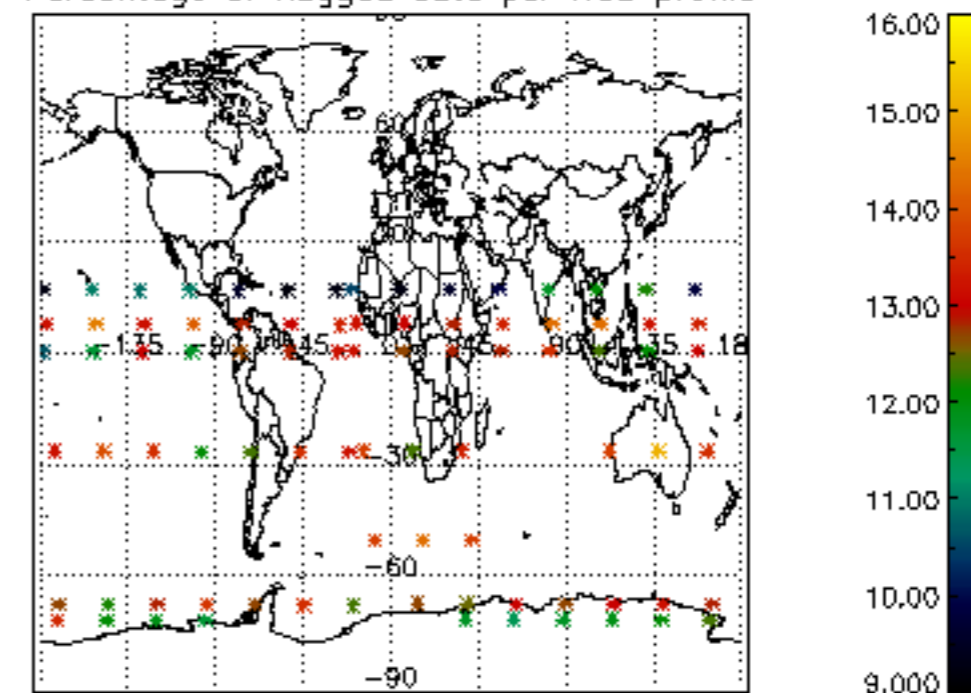
Percentage of flagged data per H2O profile

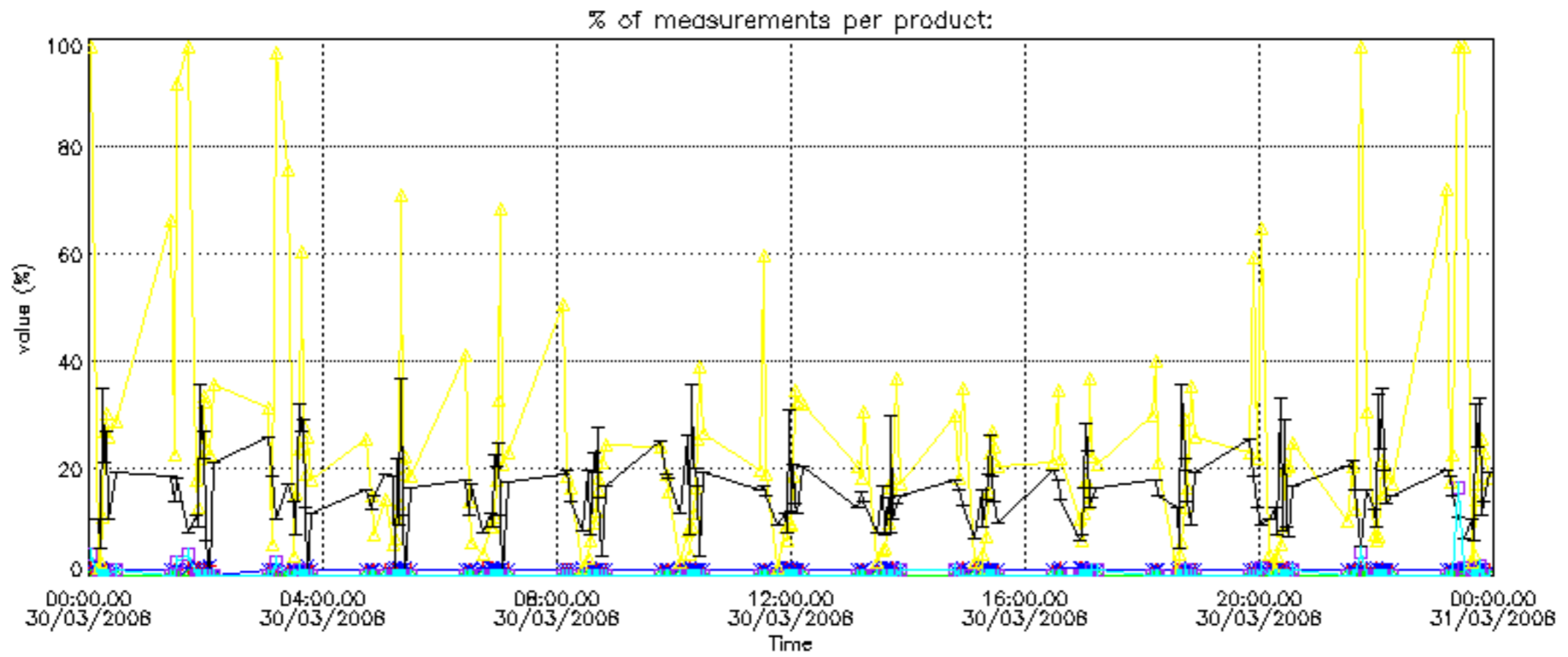


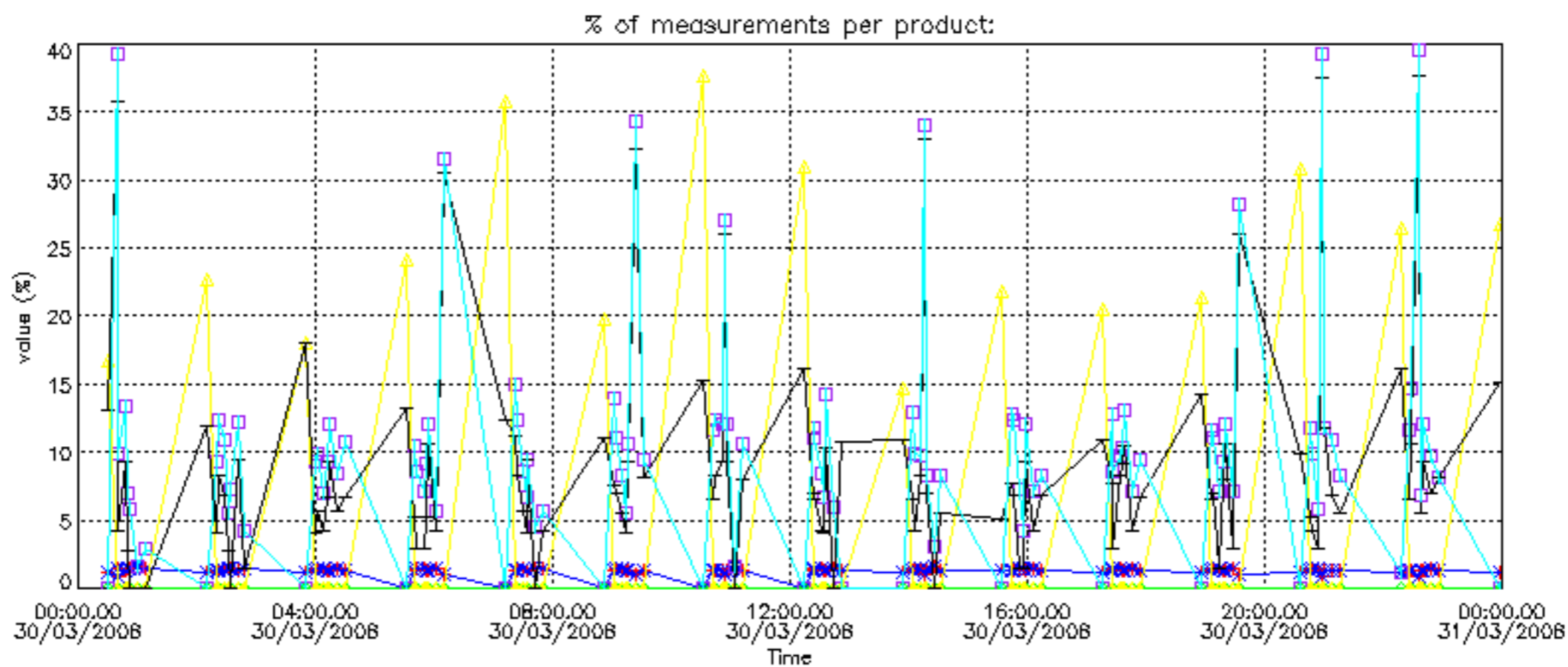
Percentage of flagged data per NO2 profile



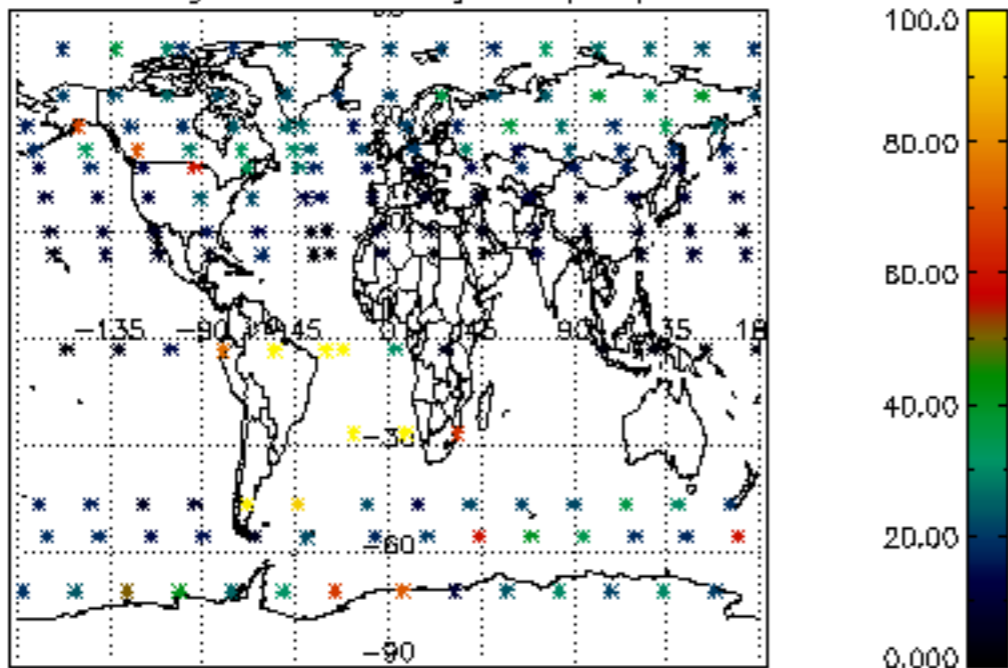
Percentage of flagged data per NO3 profile



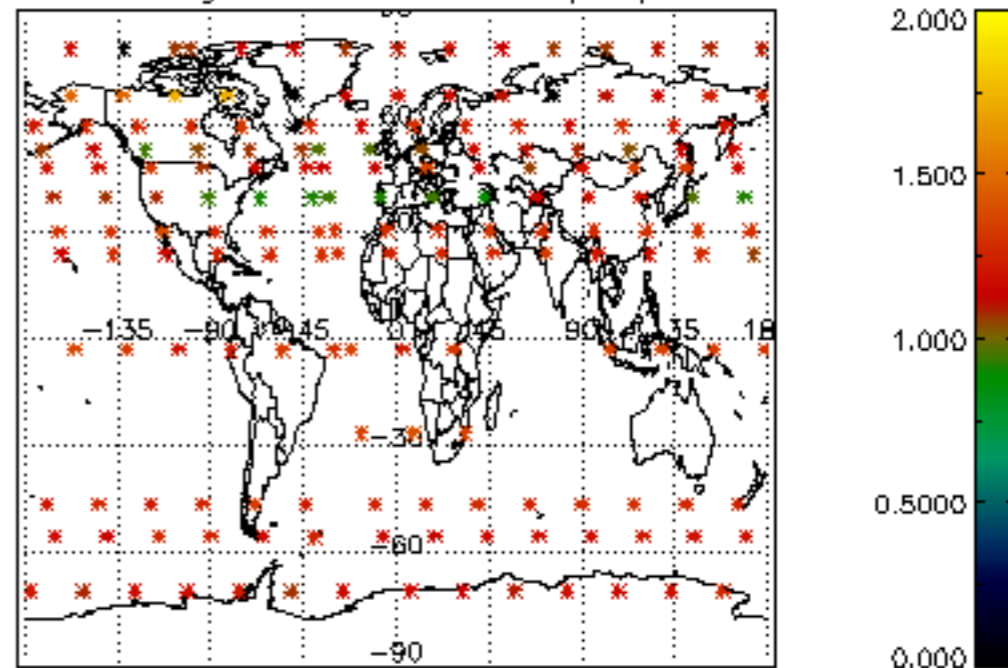




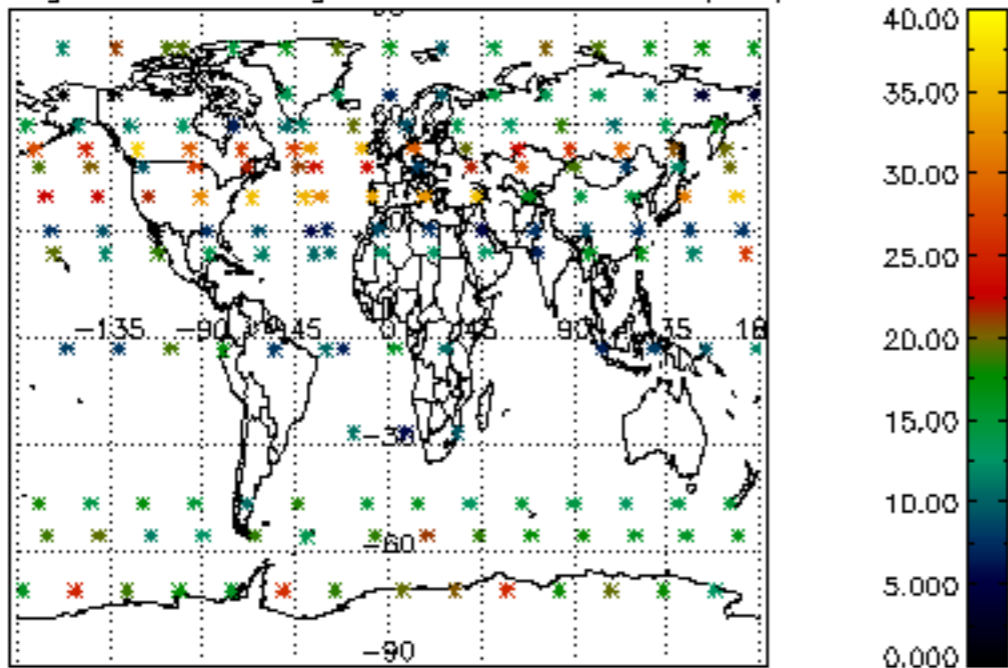
Percentage of cosmic ray hits per profile



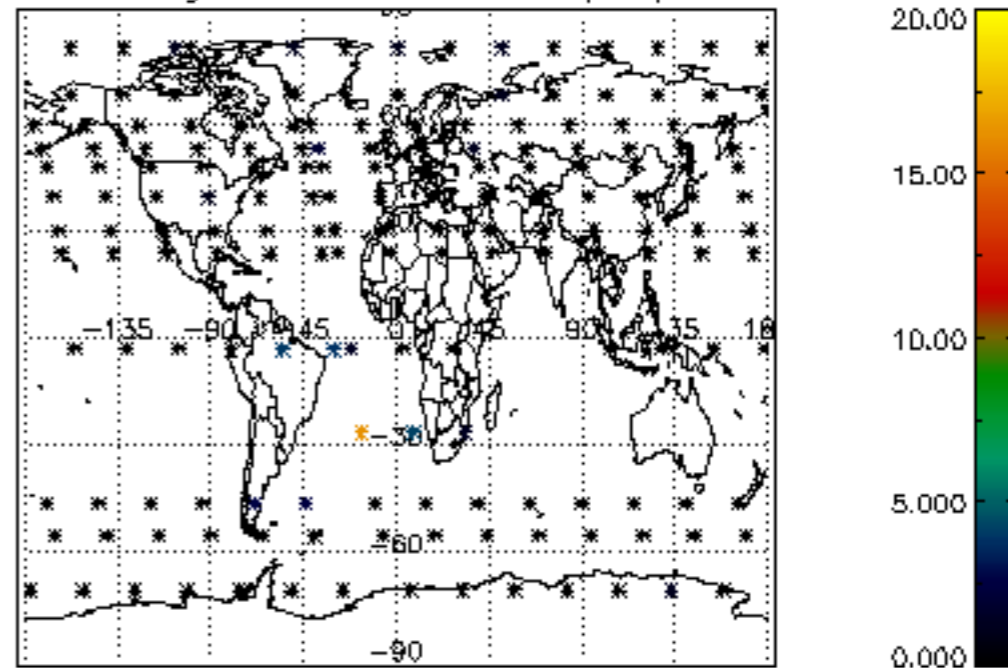
Percentage of datation errors per profile



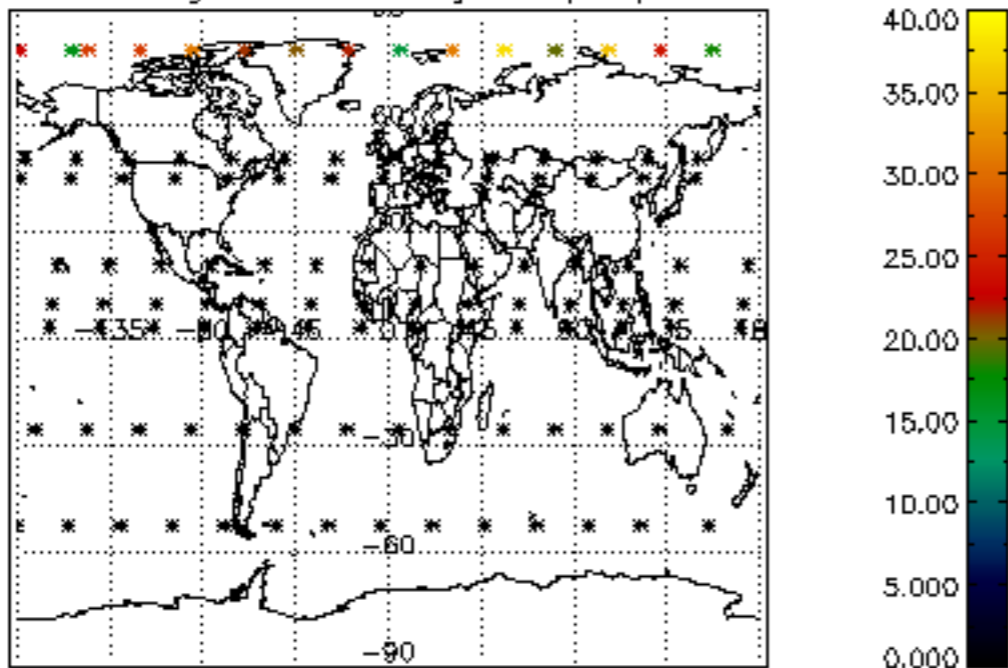
Percentage of star falling outside central band per profile



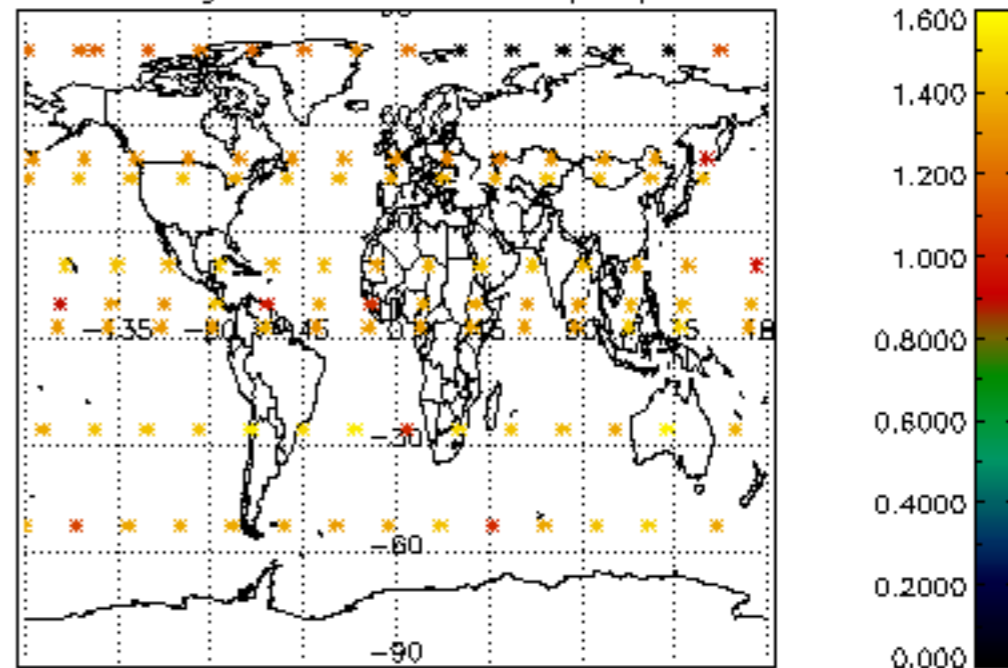
Percentage of saturation errors per profile



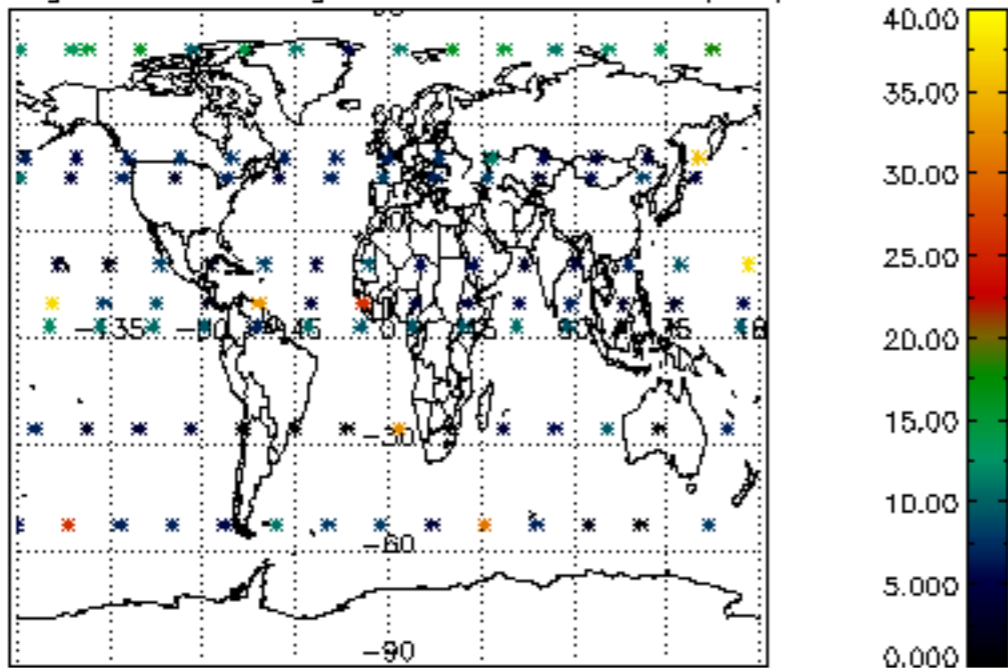
Percentage of cosmic ray hits per profile



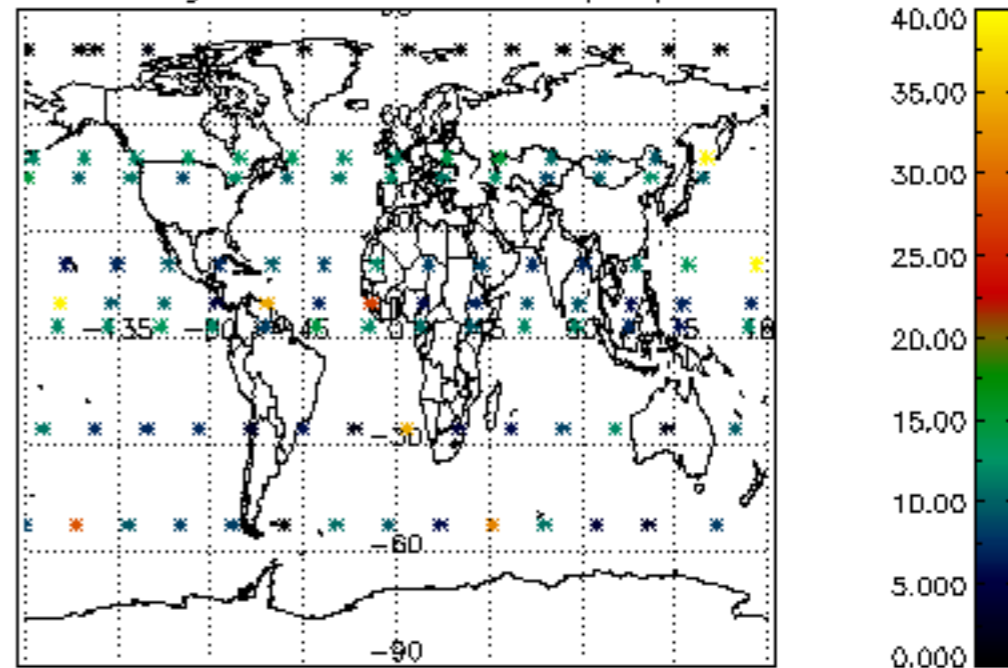
Percentage of datation errors per profile

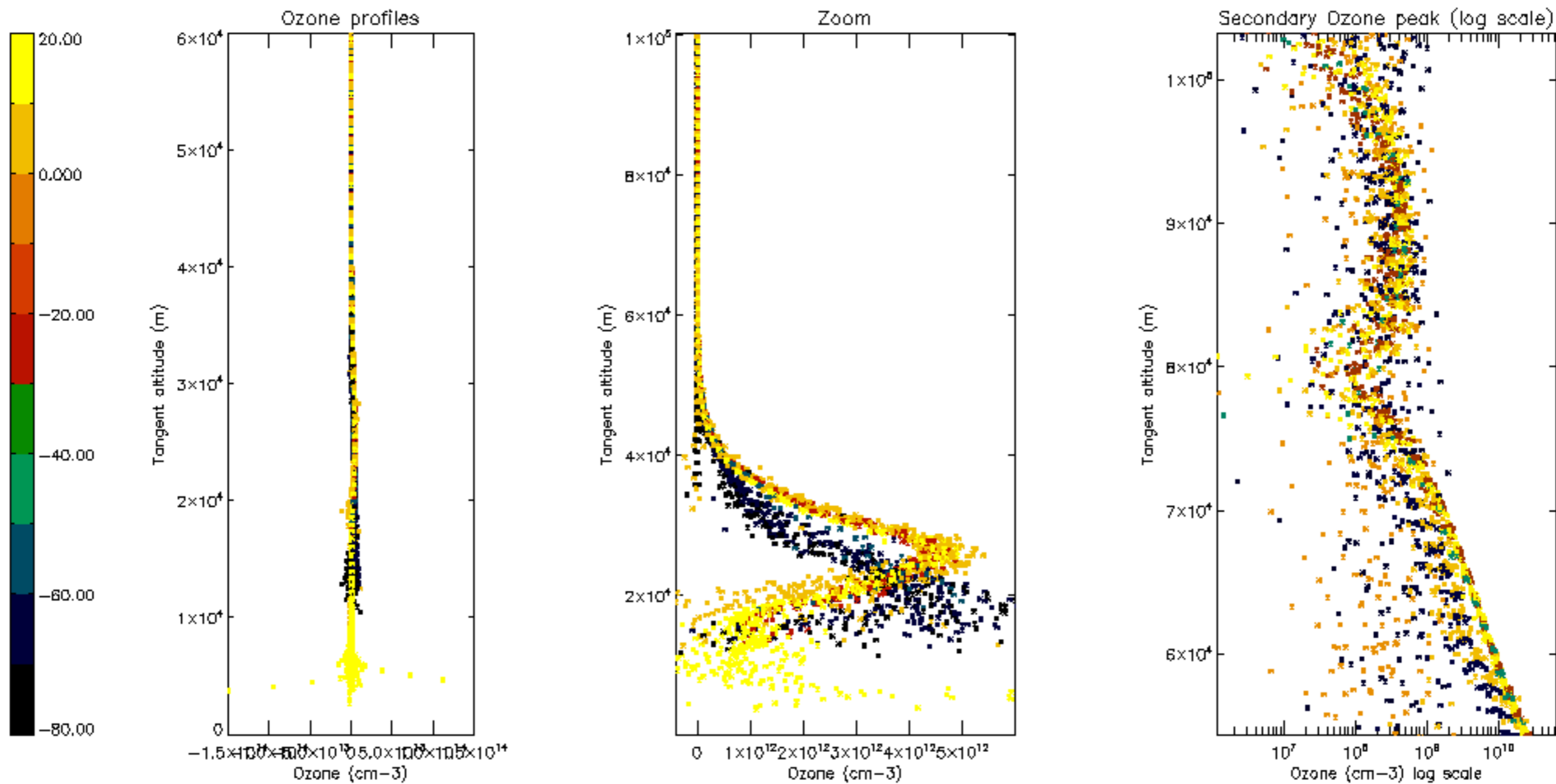


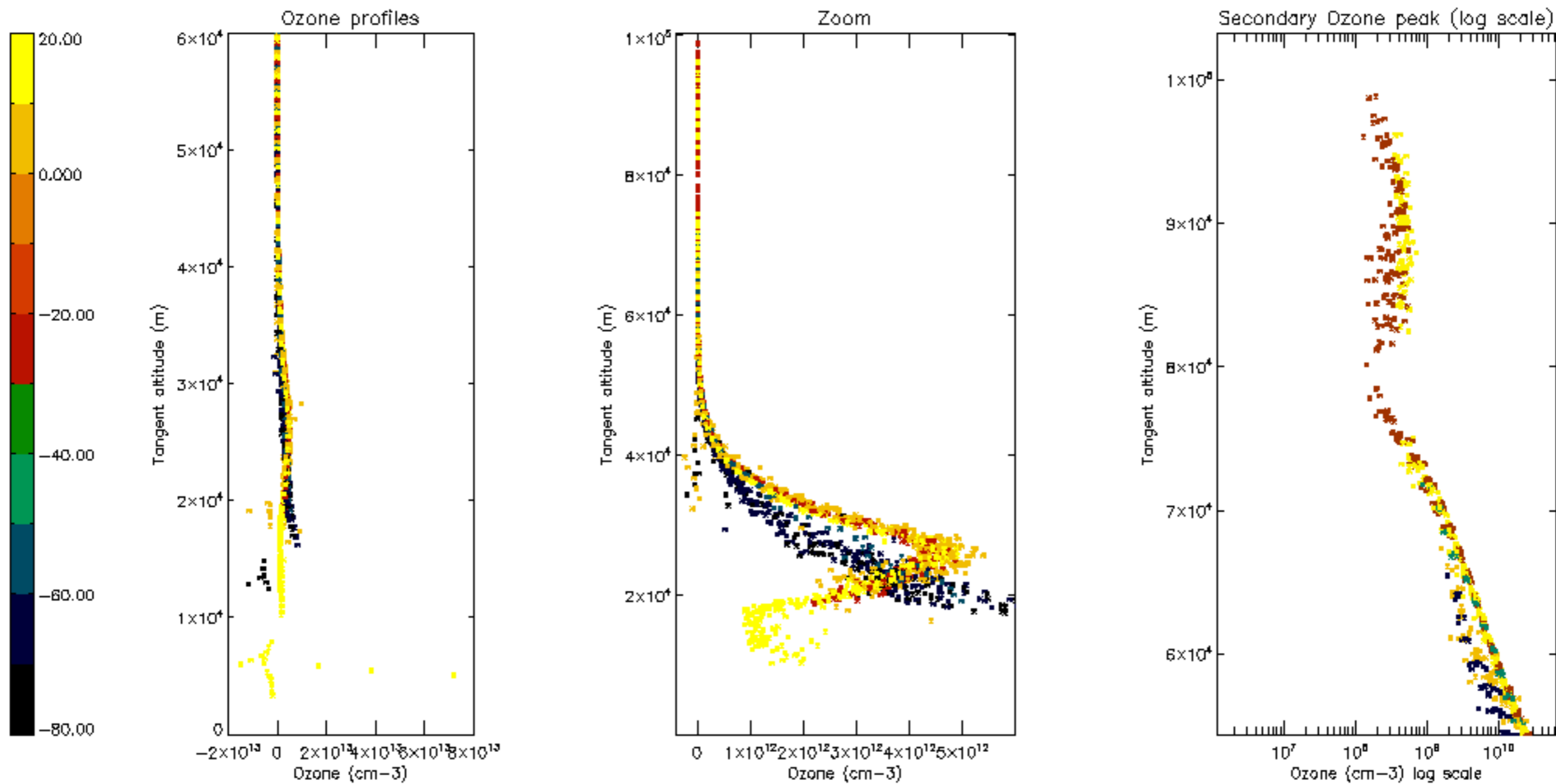
Percentage of star falling outside central band per profile

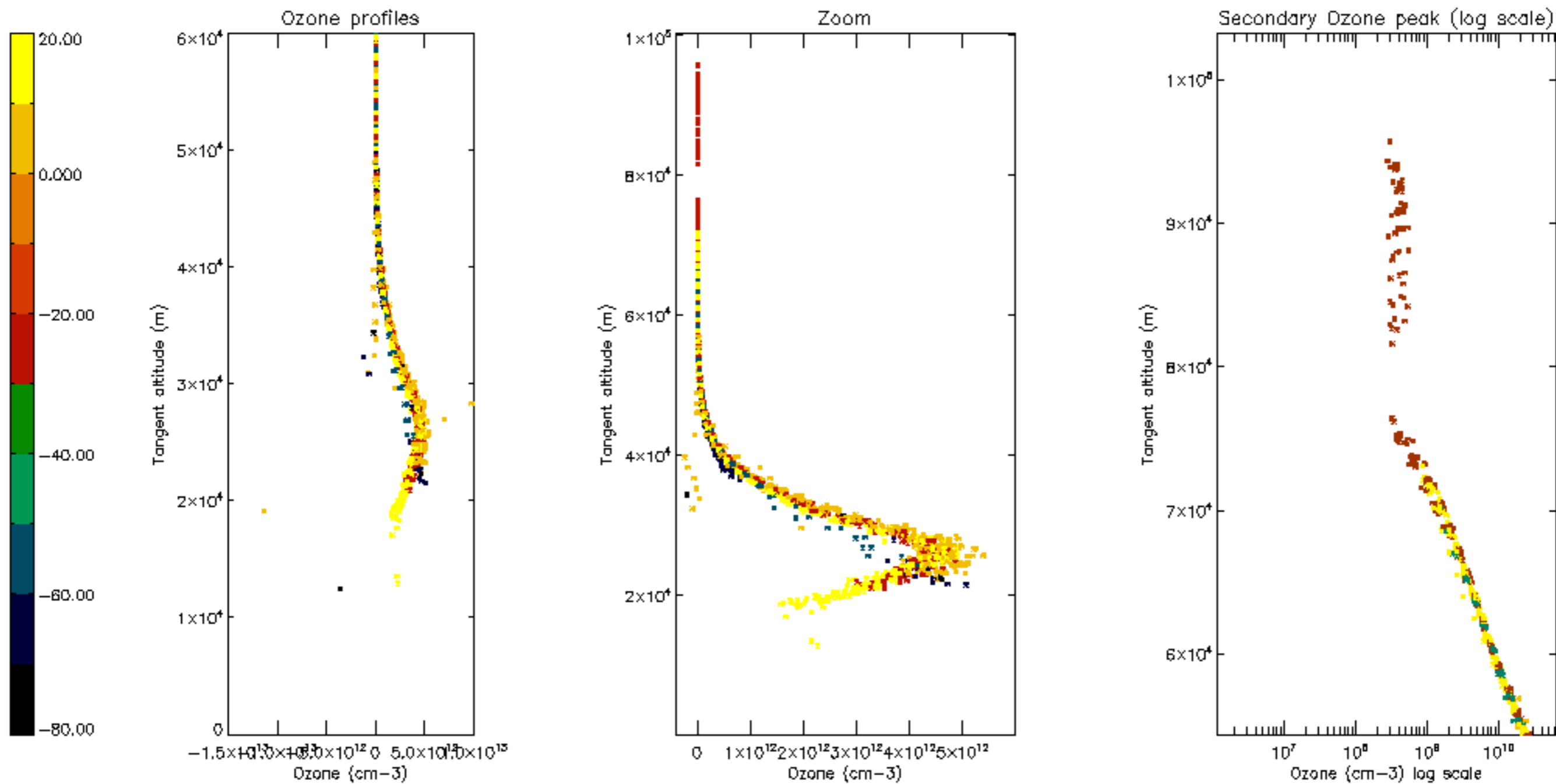


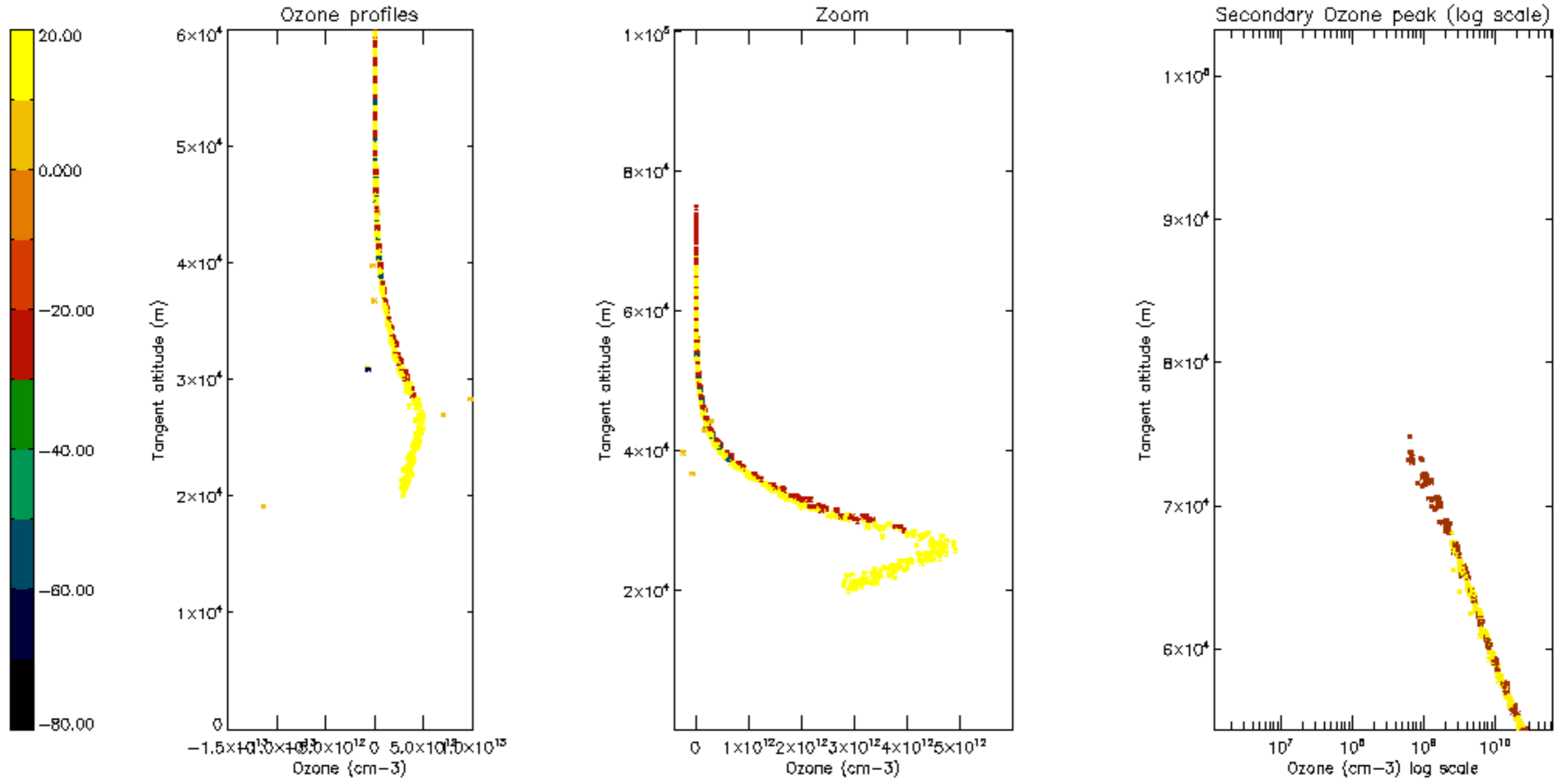
Percentage of saturation errors per profile

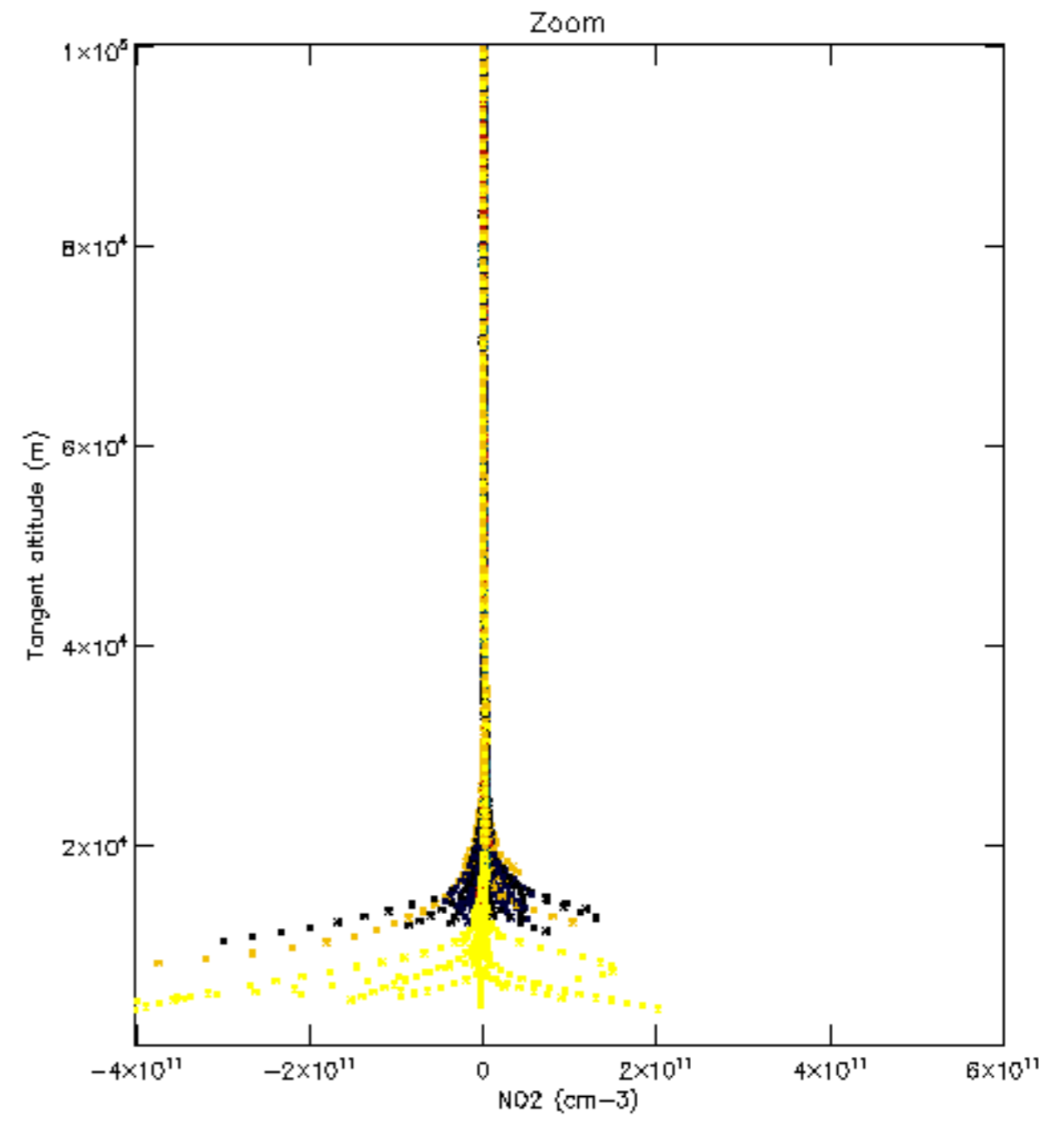
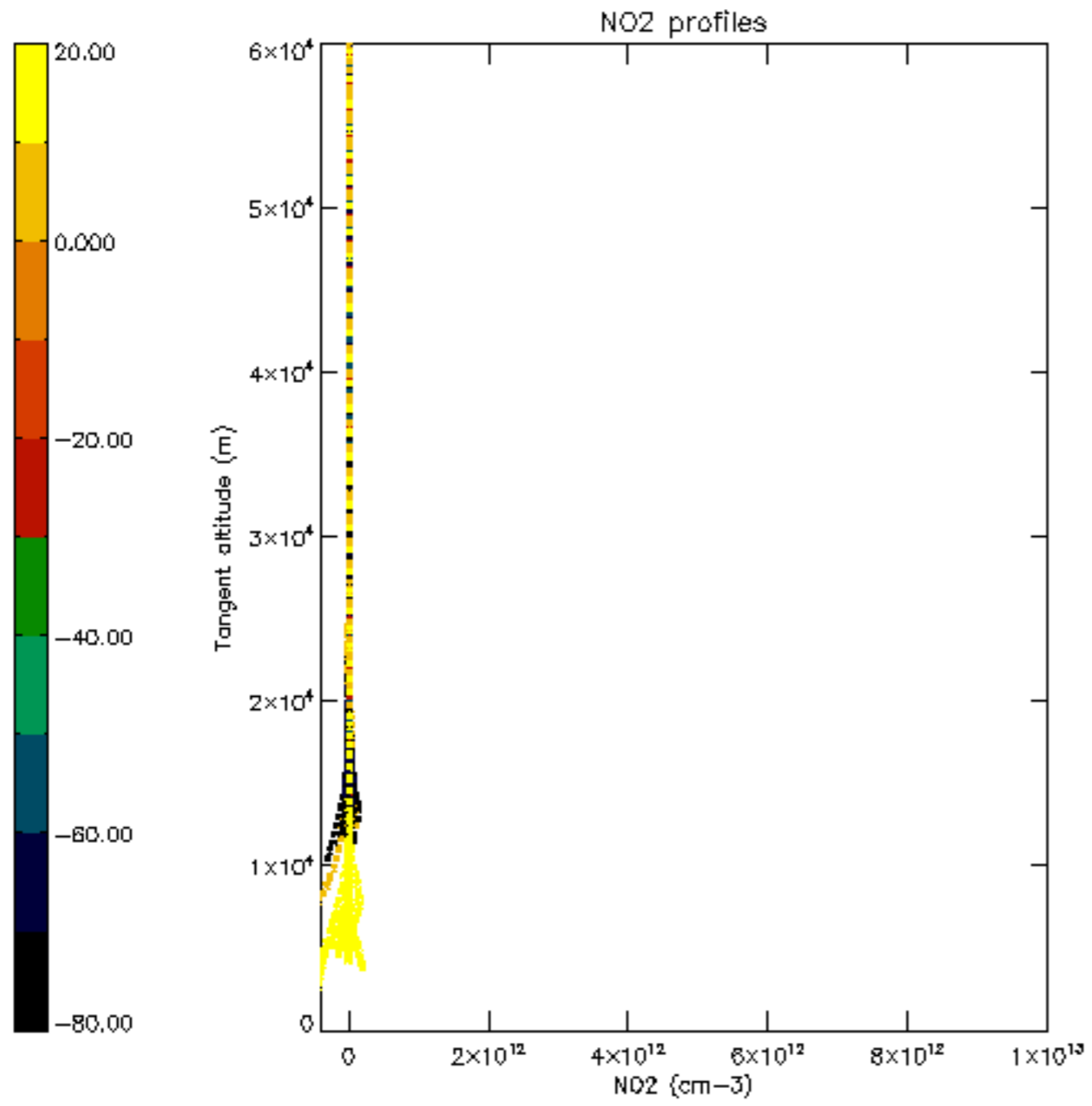


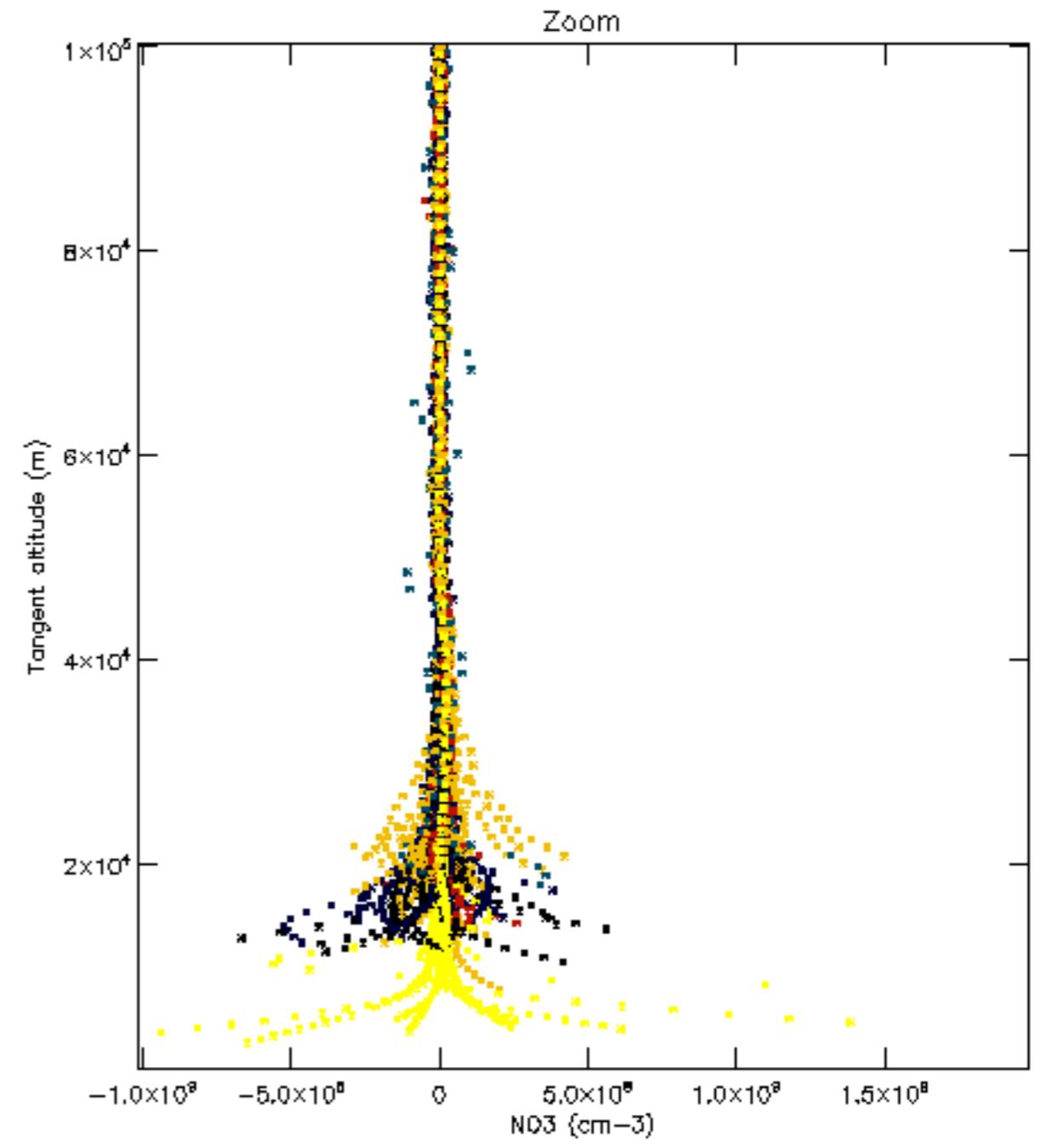
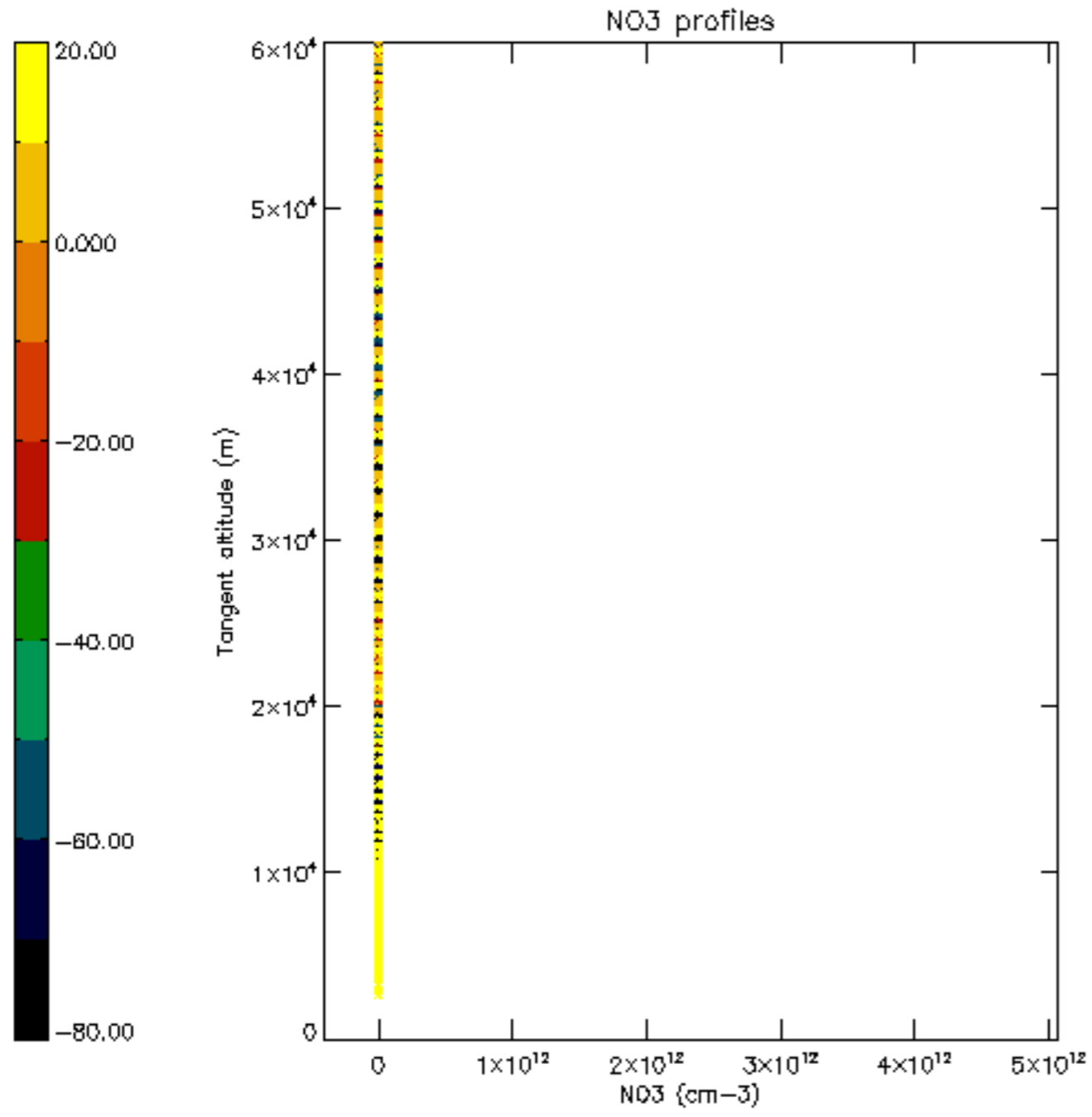


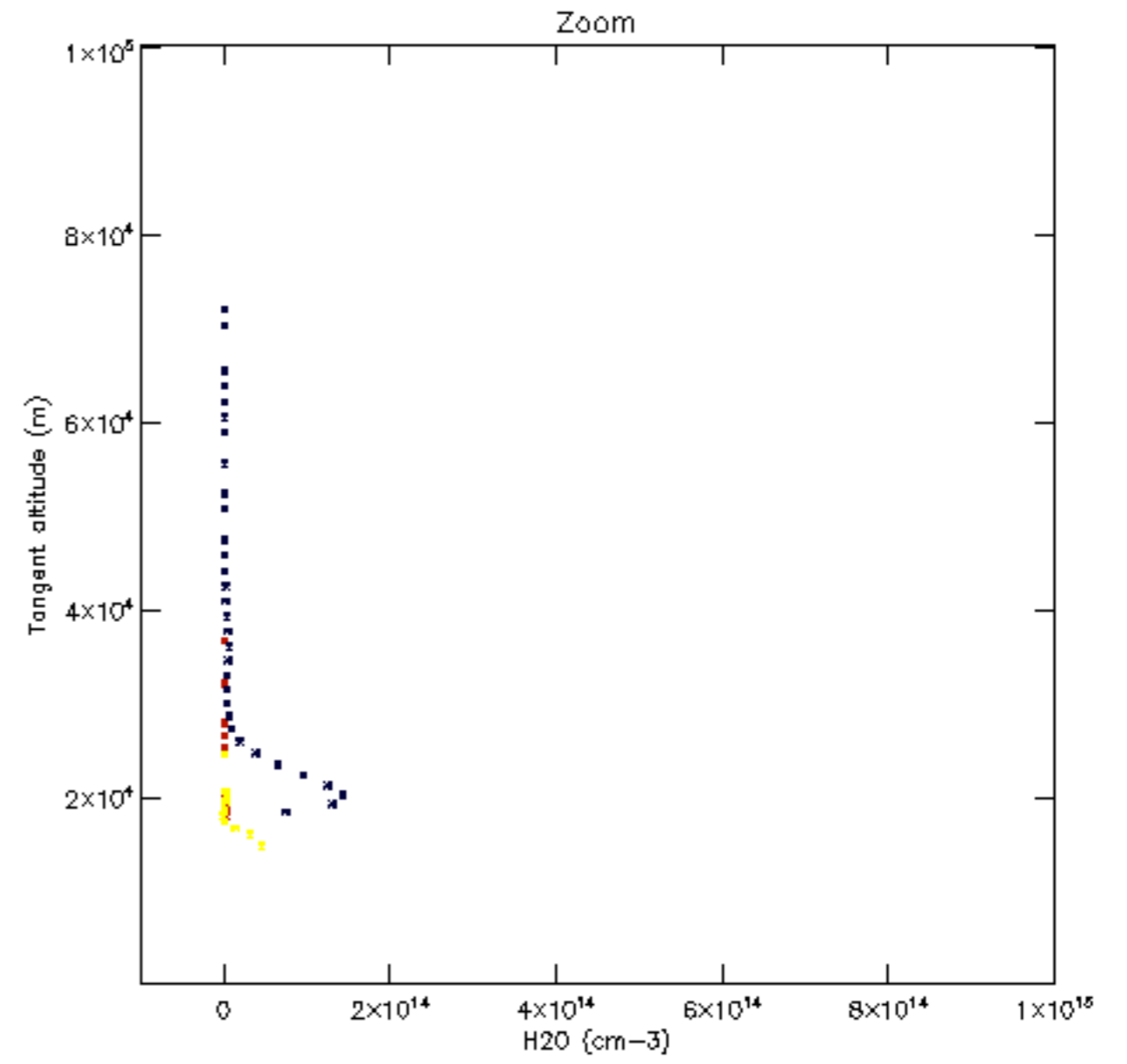
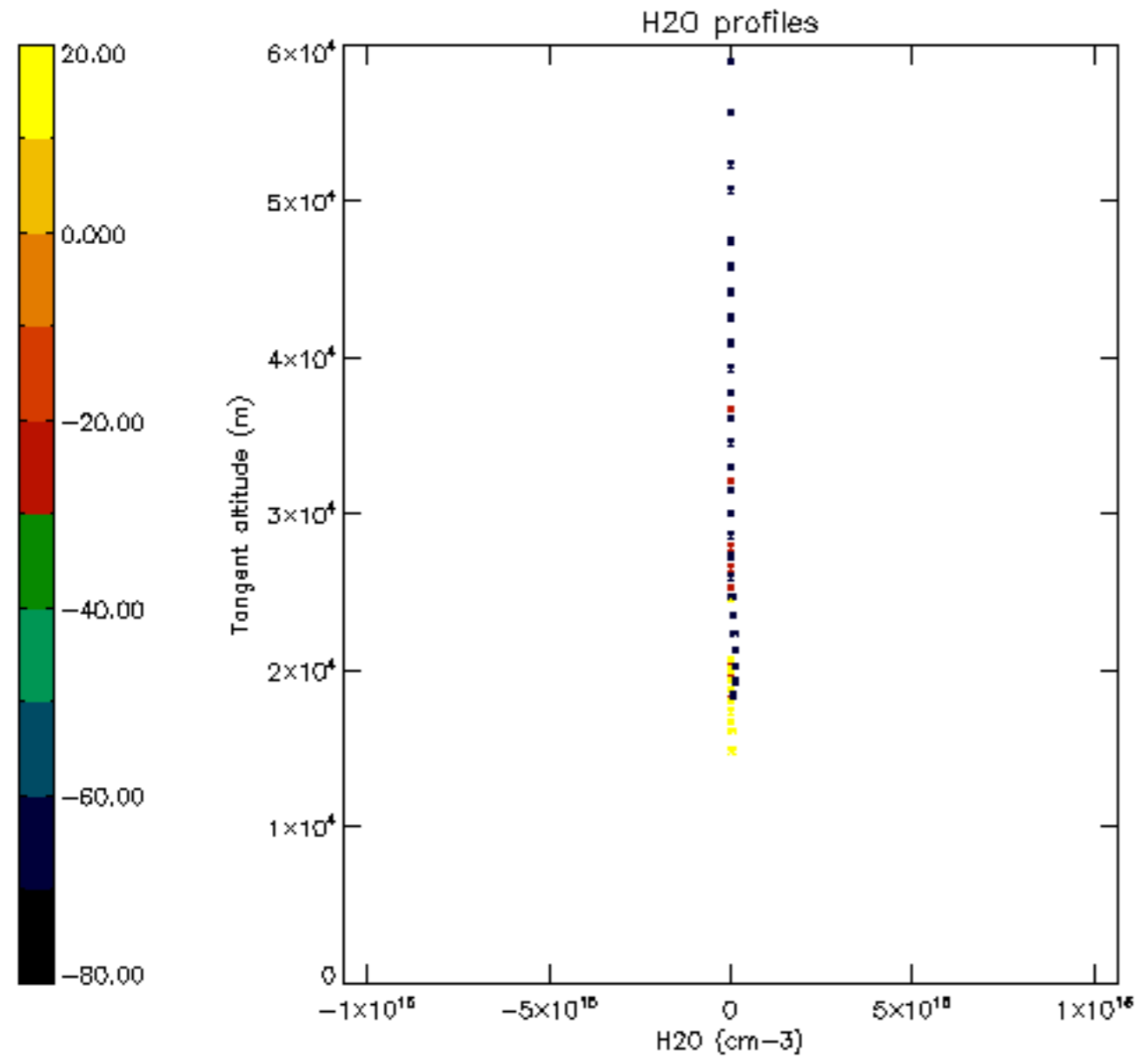


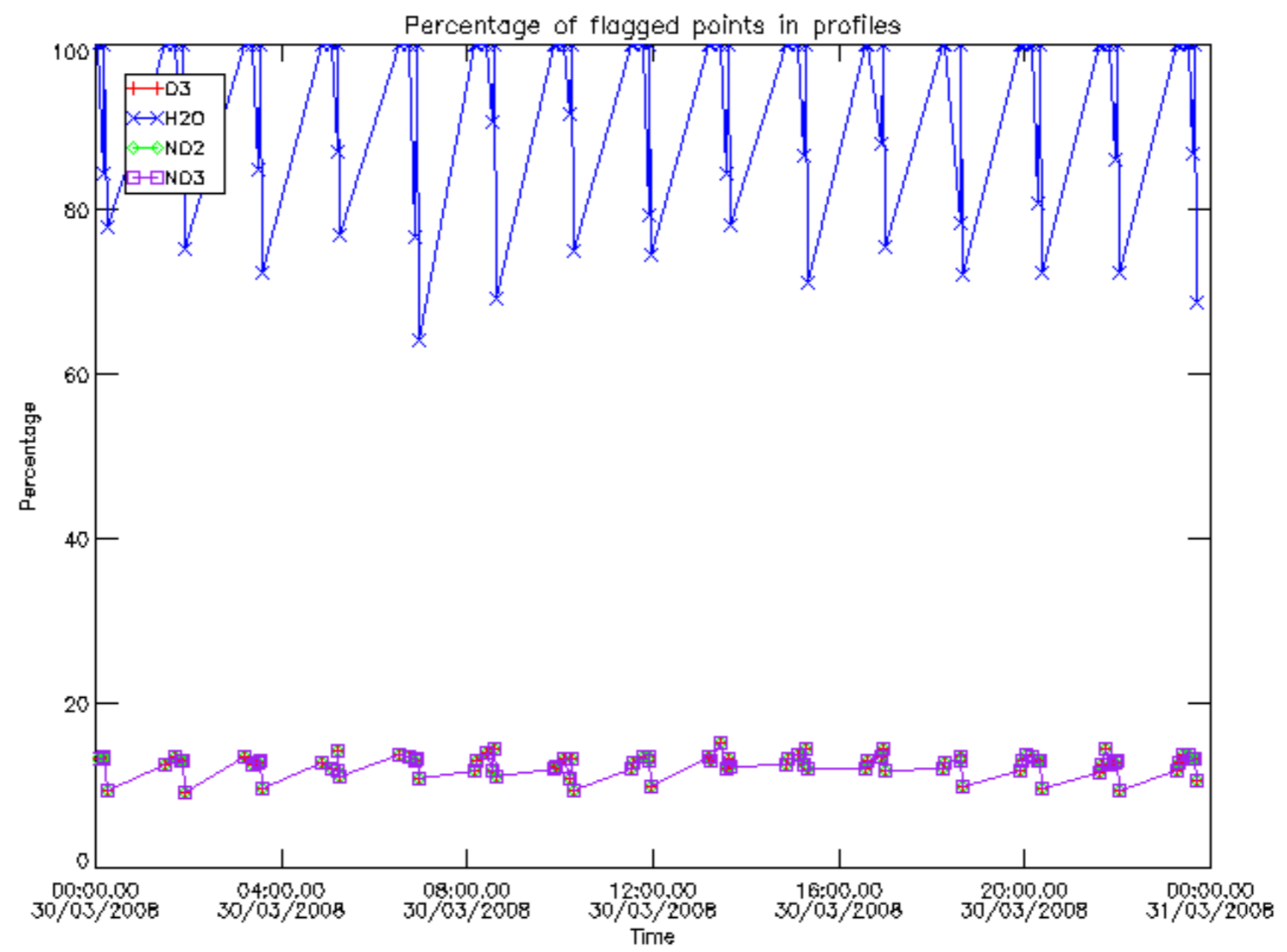




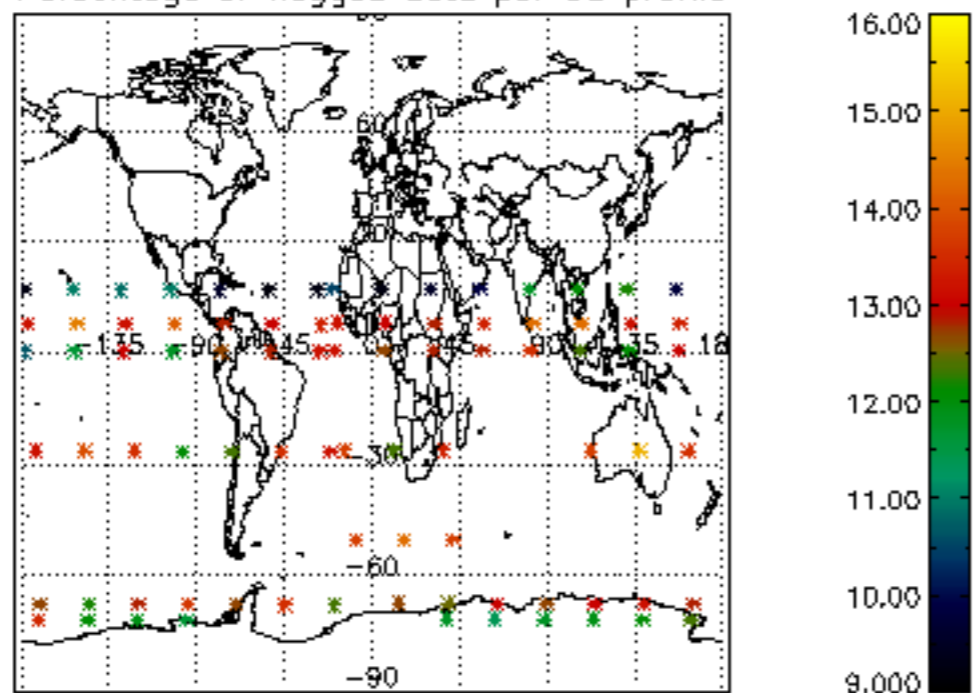




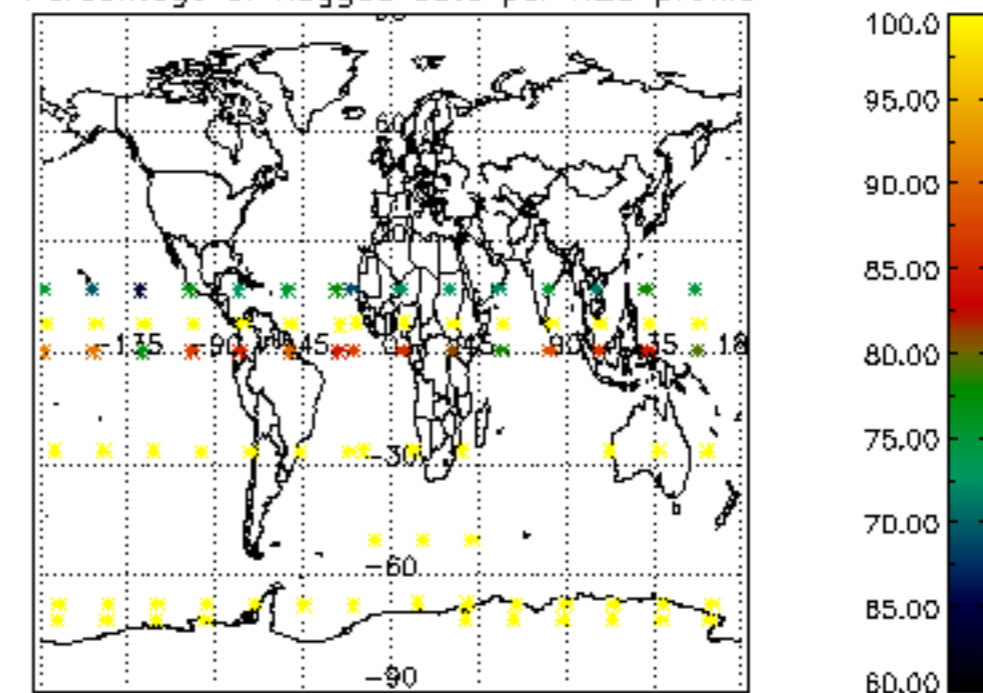




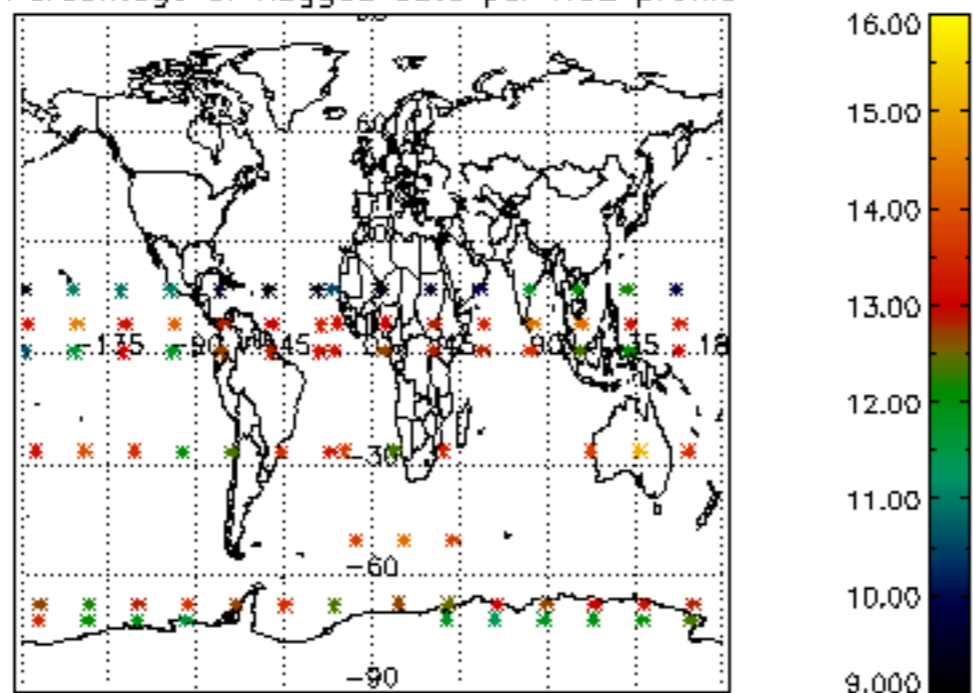
Percentage of flagged data per D3 profile



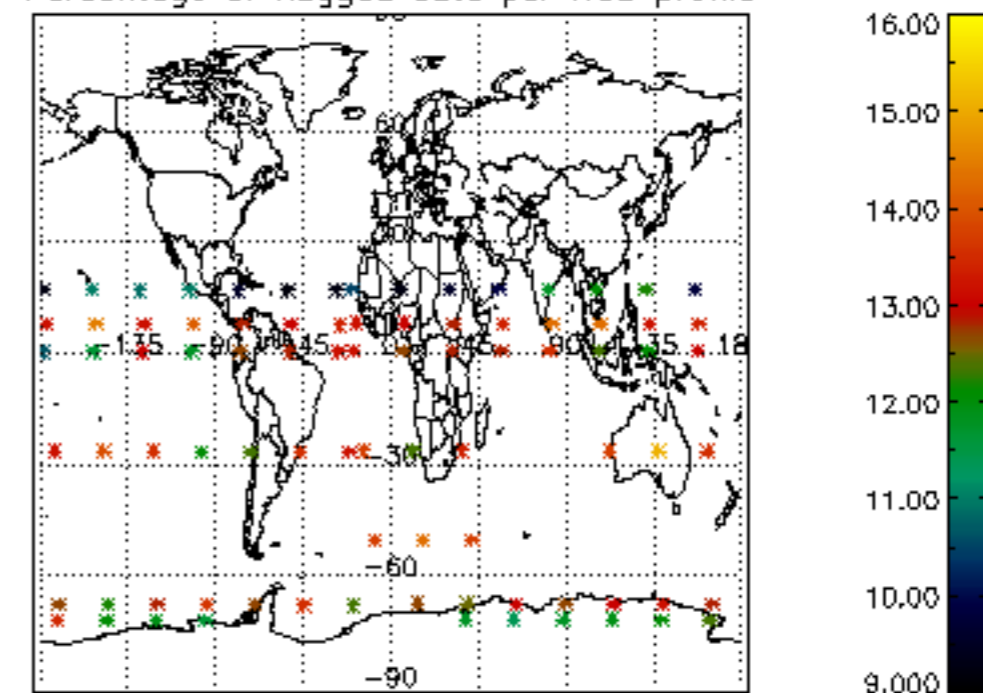
Percentage of flagged data per H2O profile

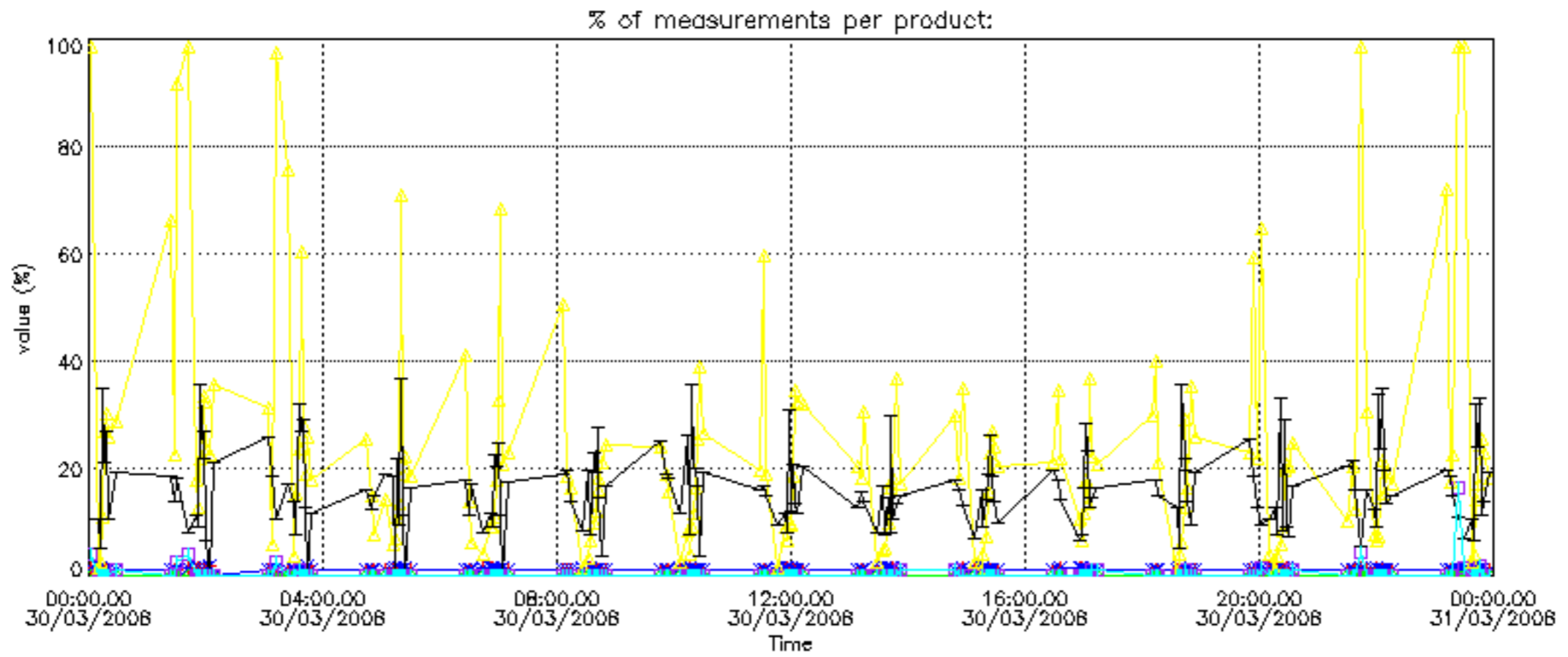


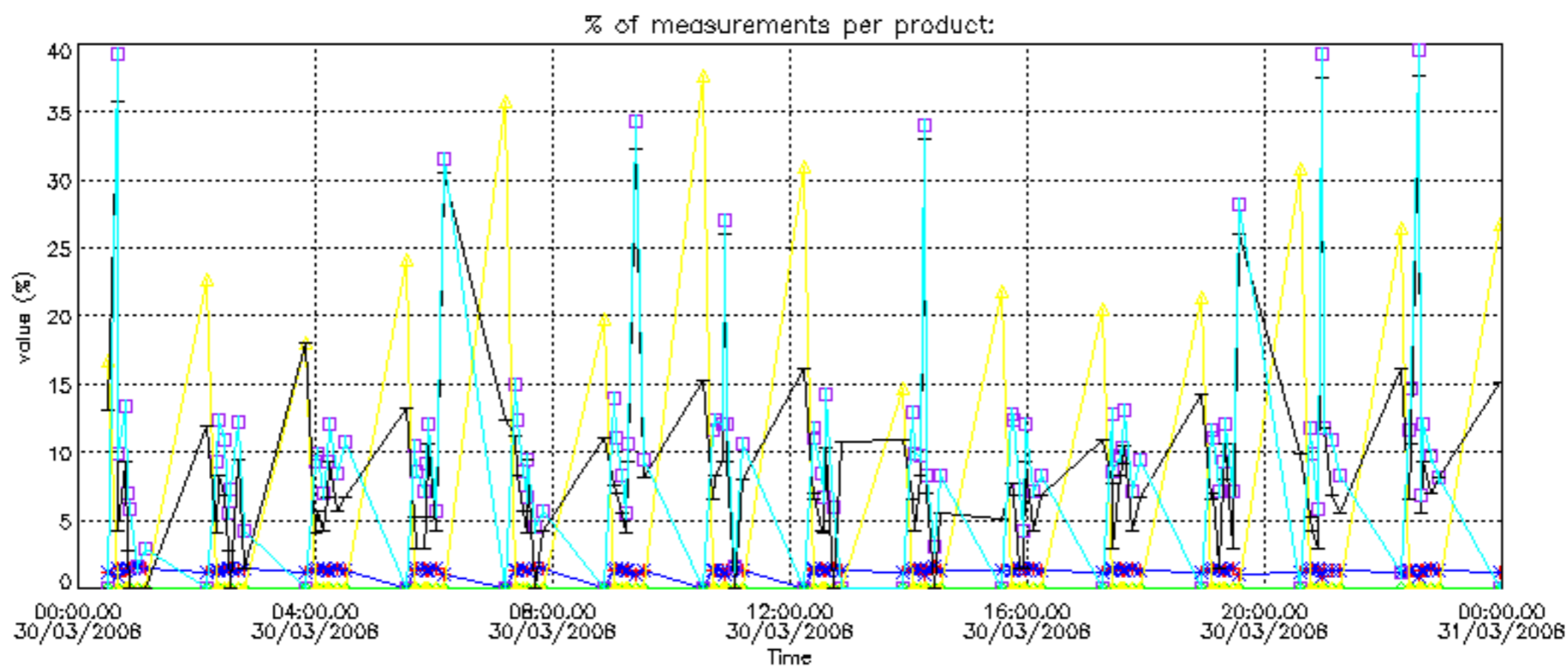
Percentage of flagged data per NO2 profile



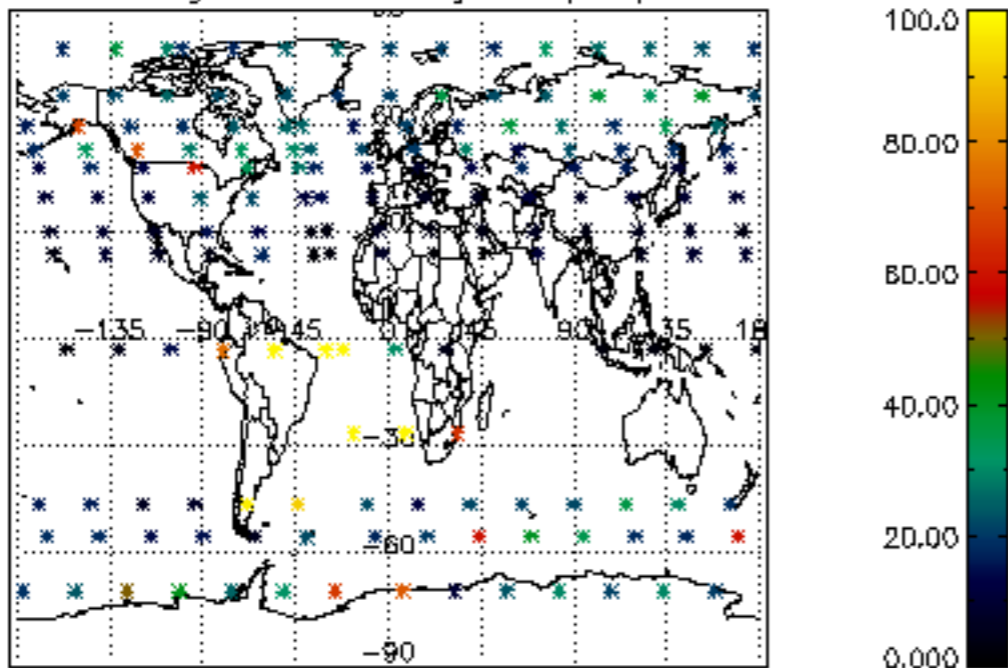
Percentage of flagged data per NO3 profile



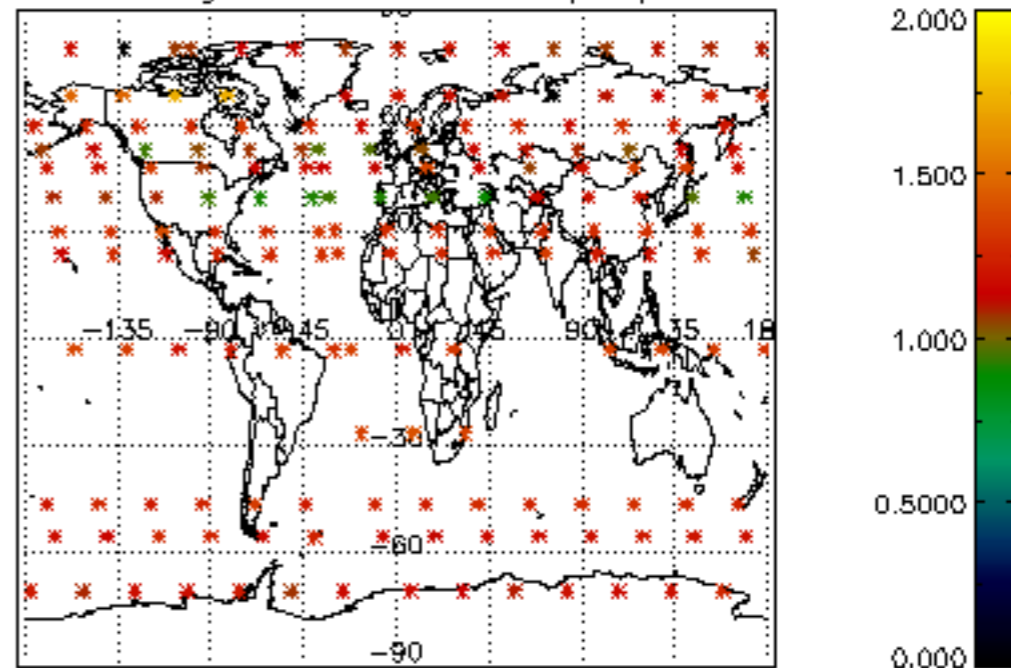




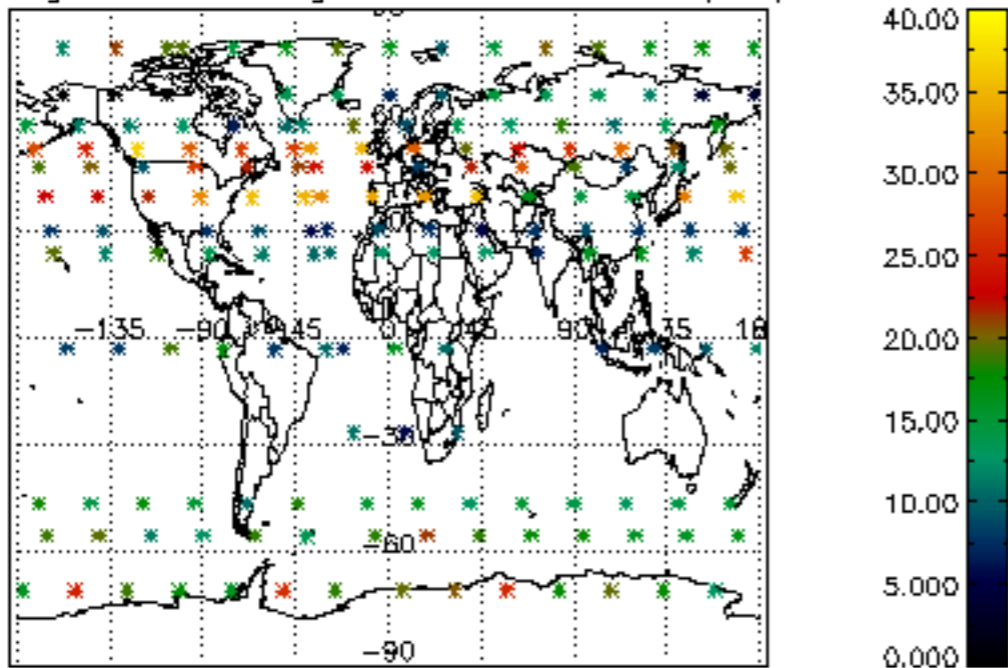
Percentage of cosmic ray hits per profile



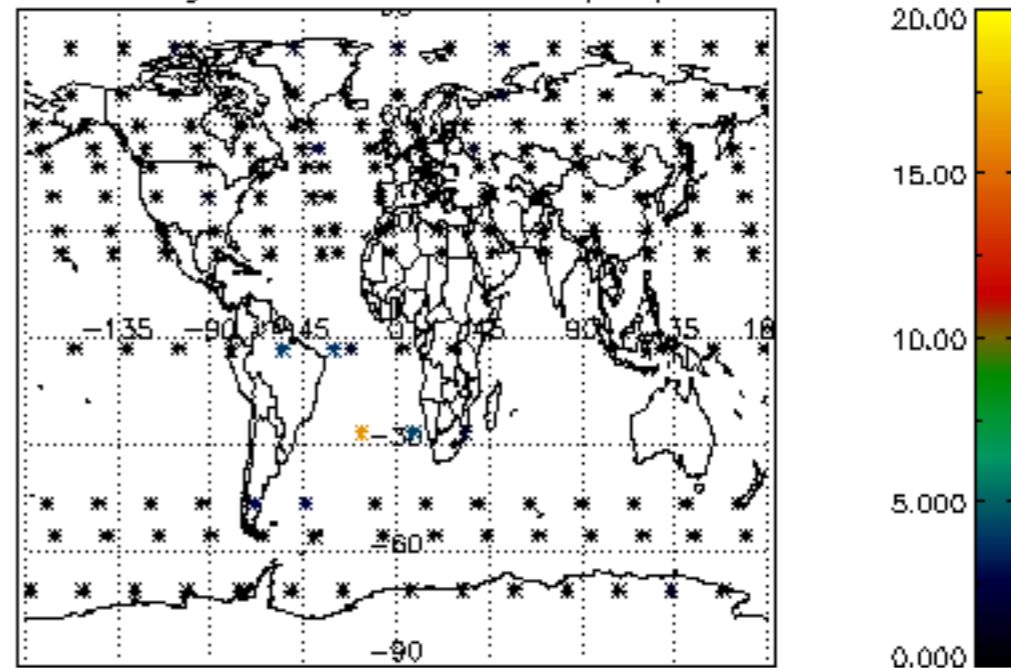
Percentage of datation errors per profile



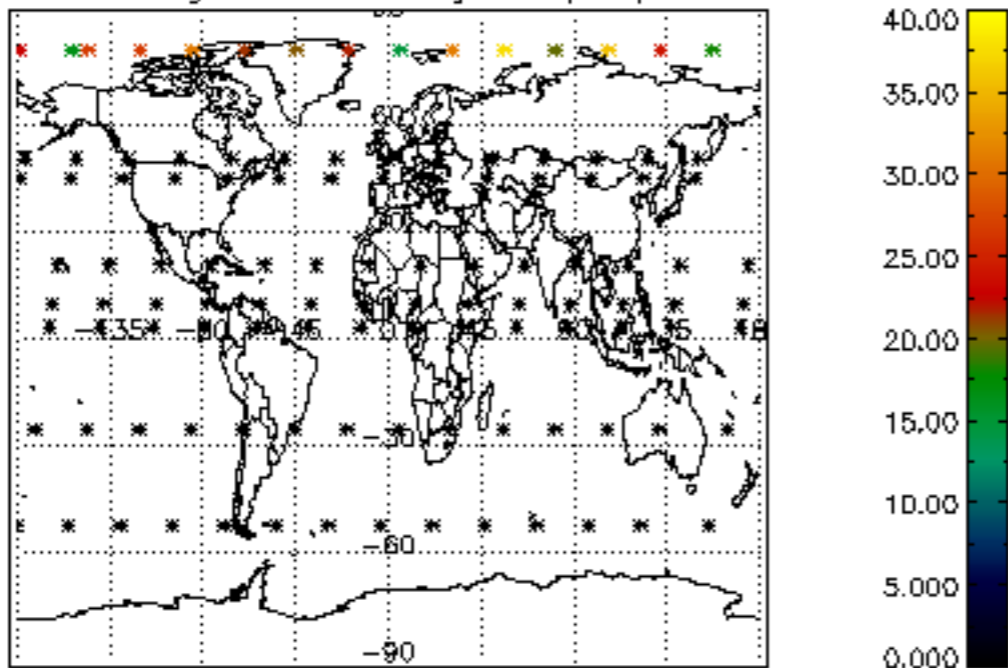
Percentage of star falling outside central band per profile



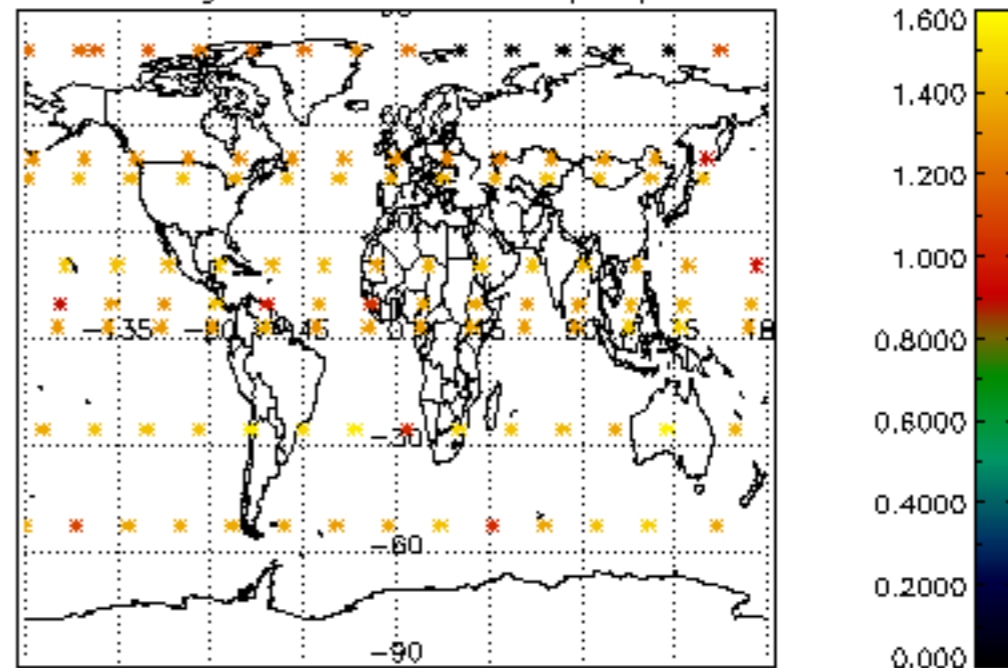
Percentage of saturation errors per profile



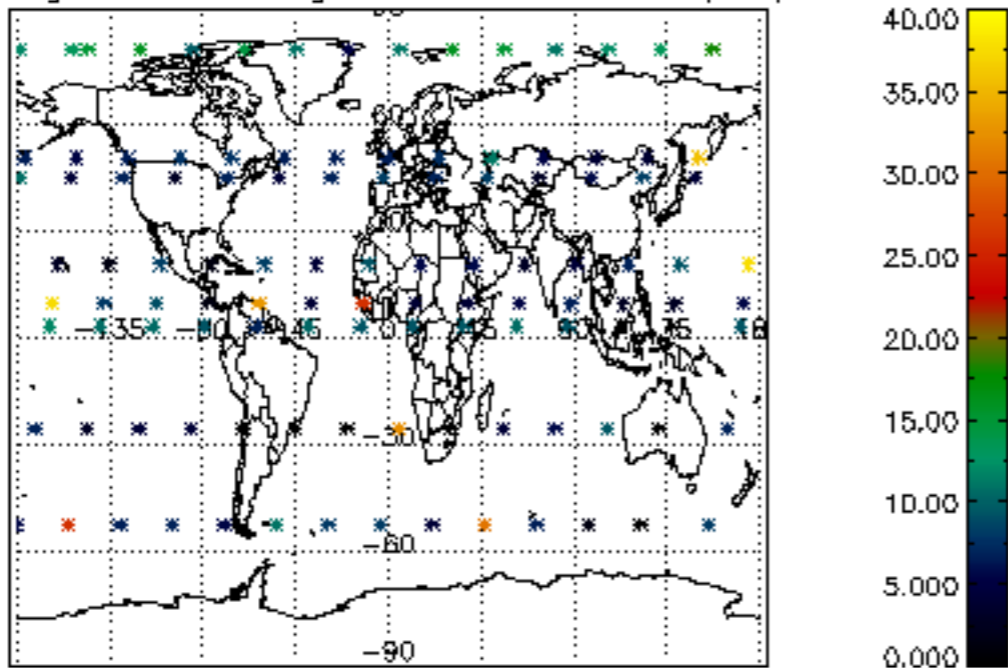
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

