

GOMOS Level 2 Daily Report

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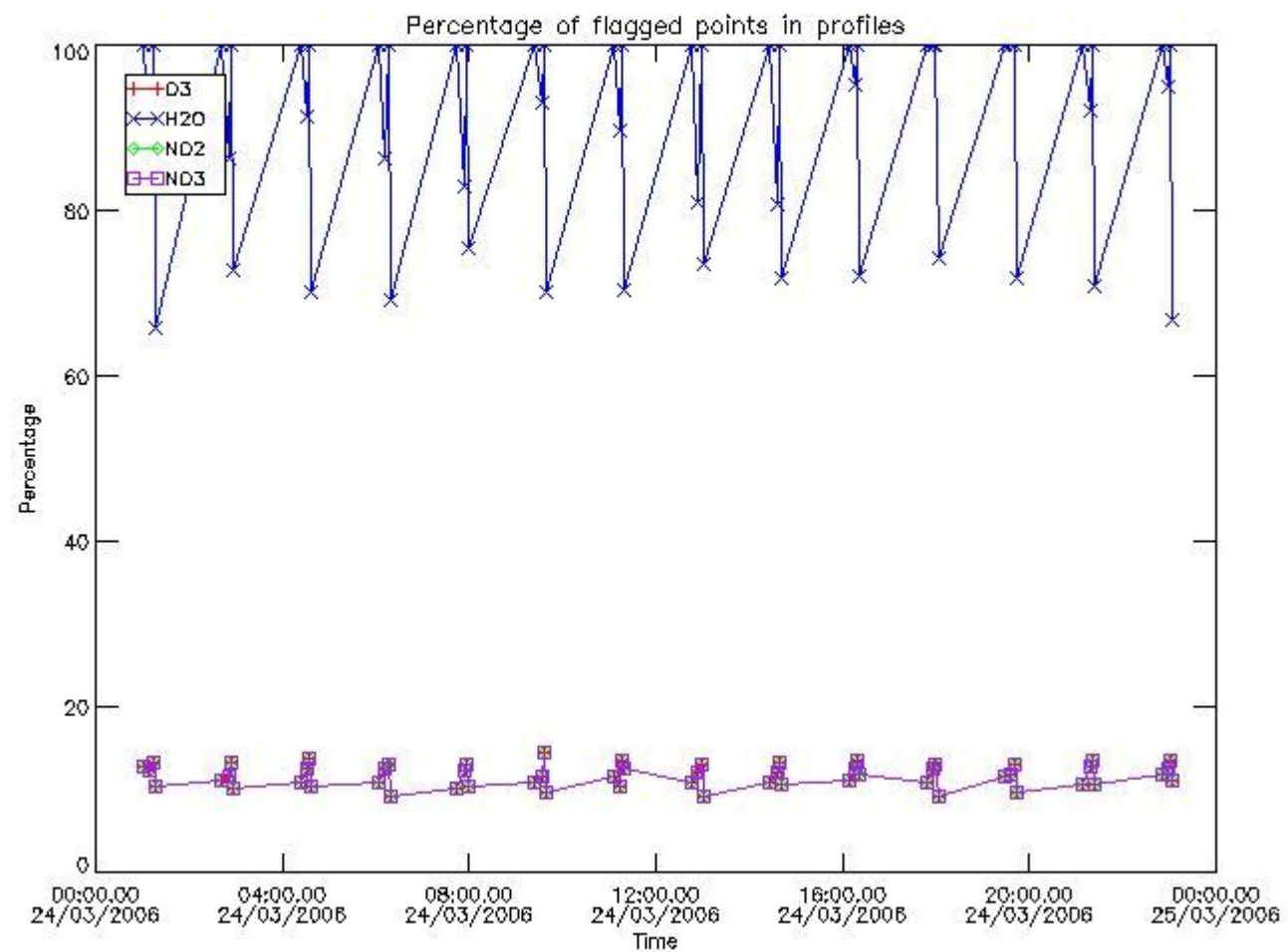
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279	GOM_NL__2PRFIN20060324_231803_000000502046_00159_21255_8570.N1	24-MAR-2006 23:18:03	Straylight	49.500	106	9Bet Crv	2.6480	5600.0	99	21255	No
280	GOM_NL__2PRFIN20060324_232008_000000442046_00159_21255_8571.N1	24-MAR-2006 23:20:08	Twilight_stray	43.500	100	4Gam Crv	2.5800	13100.	87	21255	No
281	GOM_NL__2PRFIN20060324_233022_000000412046_00159_21255_8572.N1	24-MAR-2006 23:30:22	Bright	40.500	62	94Bet Leo	2.1360	9700.0	81	21255	No
282	GOM_NL__2PRFIN20060324_233148_000000372046_00159_21255_8573.N1	24-MAR-2006 23:31:48	Bright	37.000	96	68Del Leo	2.5600	9300.0	74	21255	No
283	GOM_NL__2PRFIN20060324_233844_000000462046_00159_21255_8574.N1	24-MAR-2006 23:38:44	Bright	45.500	174	52Psi UMa	3.0040	4400.0	91	21255	No
284	GOM_NL__2PRFIN20060324_234201_000000542046_00159_21255_8575.N1	24-MAR-2006 23:42:01	Bright	54.000	82	48Bet UMa	2.3650	10600.	108	21255	No
285	GOM_NL__2PRFIN20060324_234332_000000382046_00159_21255_8576.N1	24-MAR-2006 23:43:32	Bright	37.500	36	50Alp UMa	1.8000	6300.0	75	21255	No
286	GOM_NL__2PRFIN20060324_235017_000000412046_00159_21255_8577.N1	24-MAR-2006 23:50:17	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	21255	No
287	GOM_NL__2PRFIN20060324_235909_000000362046_00159_21255_8578.N1	24-MAR-2006 23:59:09	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	21255	No

3. Quality information per product

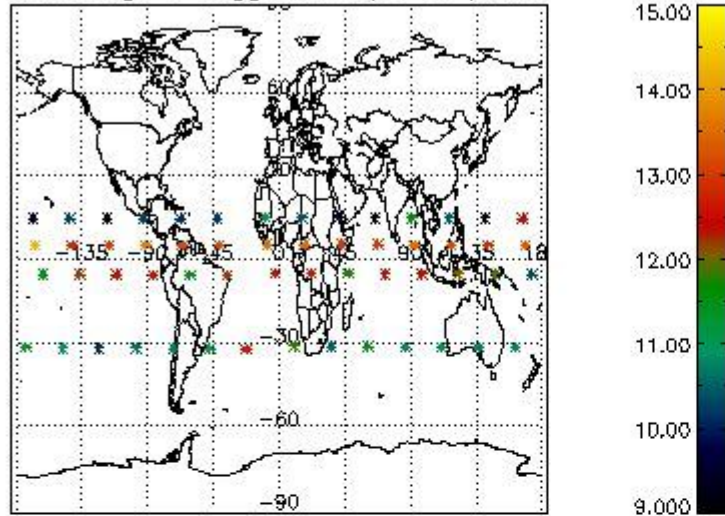
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

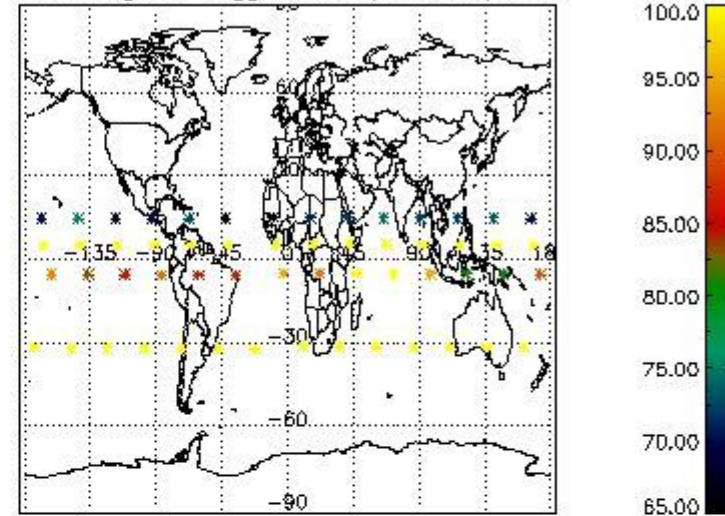


3.2 Plot quality information per product (world map)

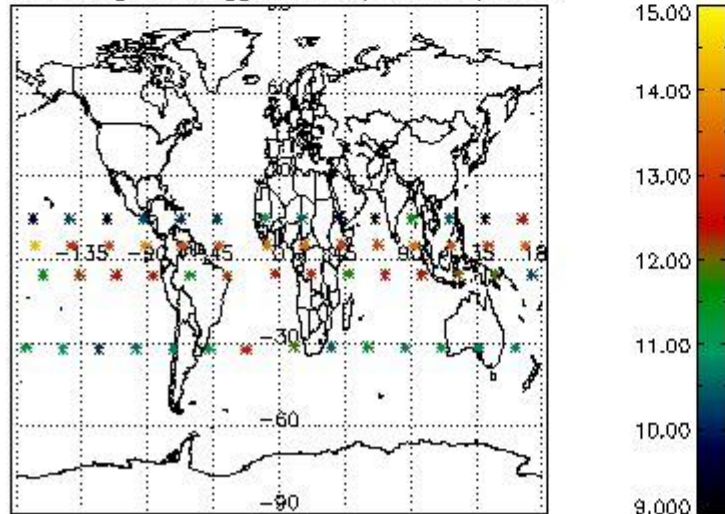
Percentage of flagged data per O3 profile



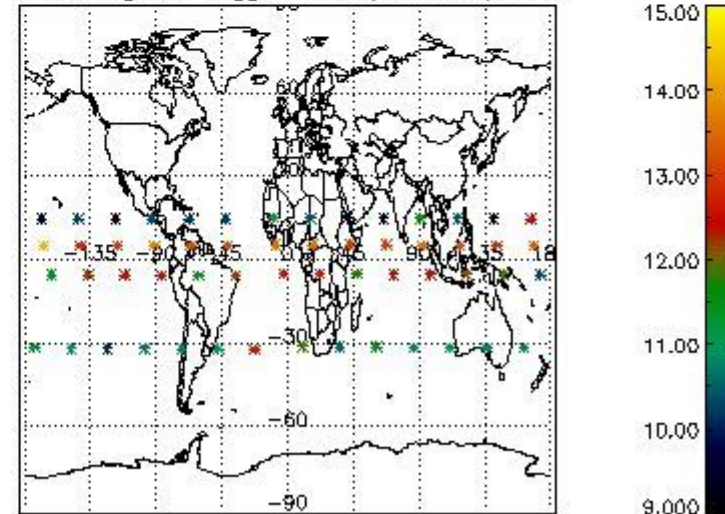
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

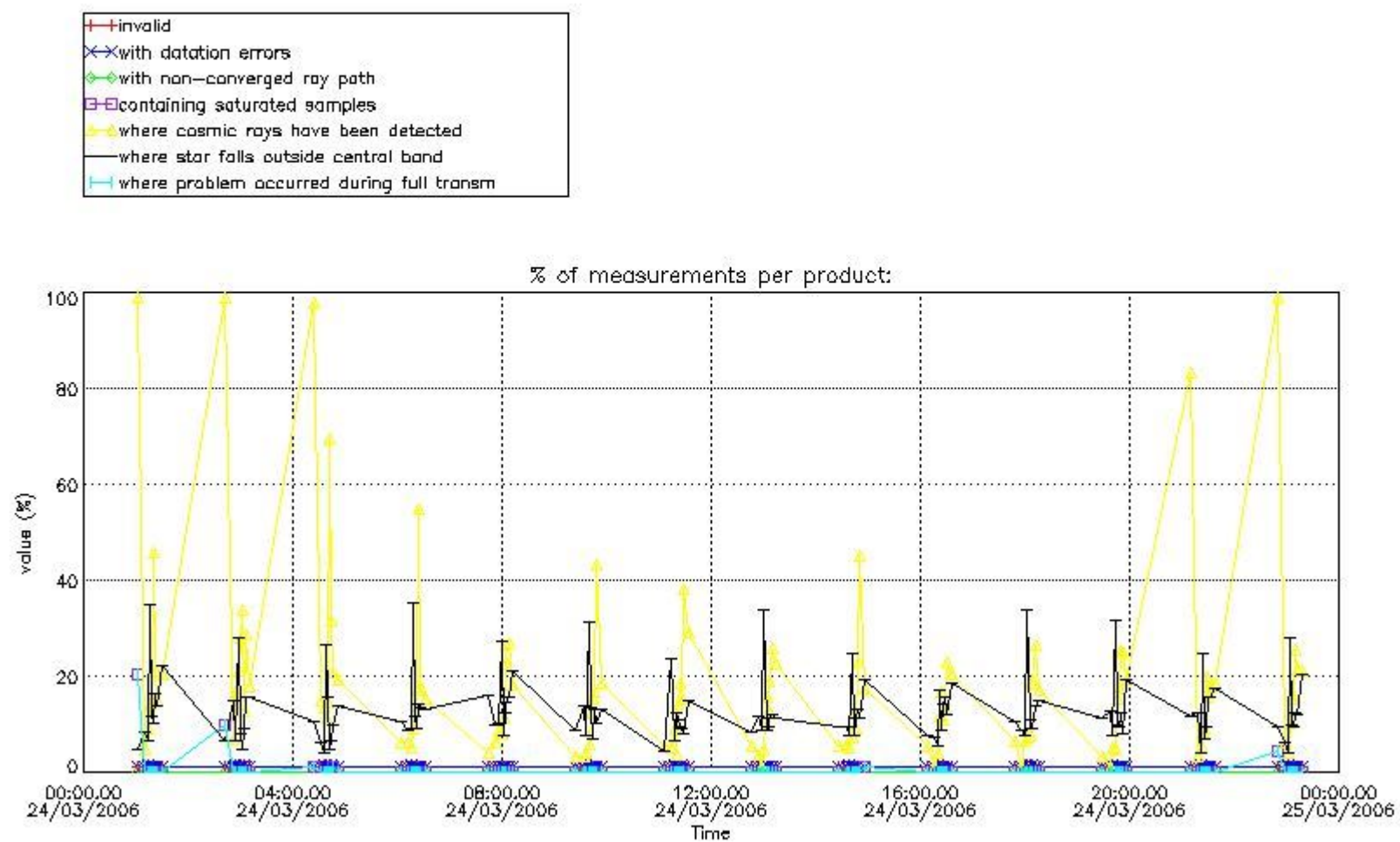


4. Level 1 quality information per product

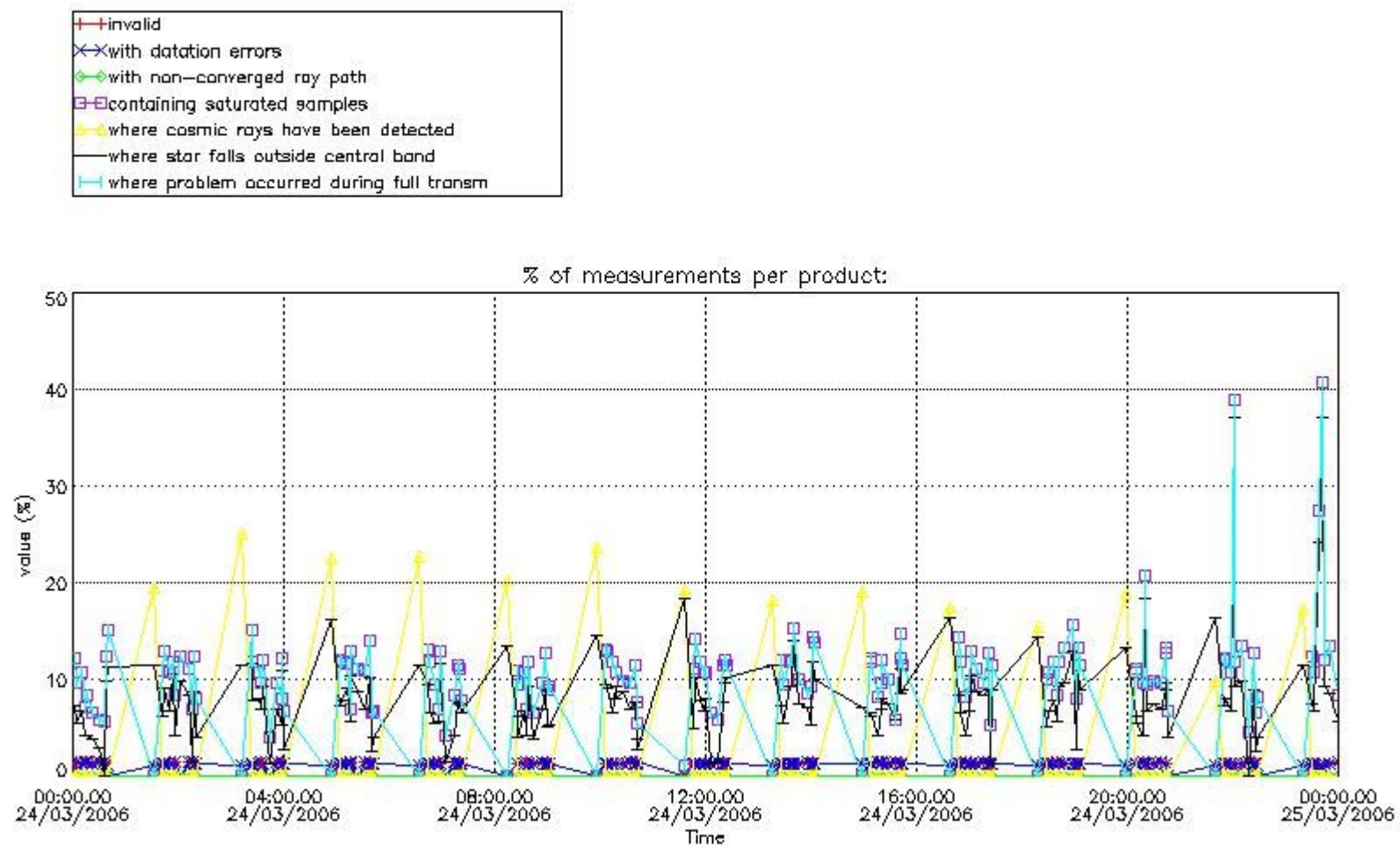
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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

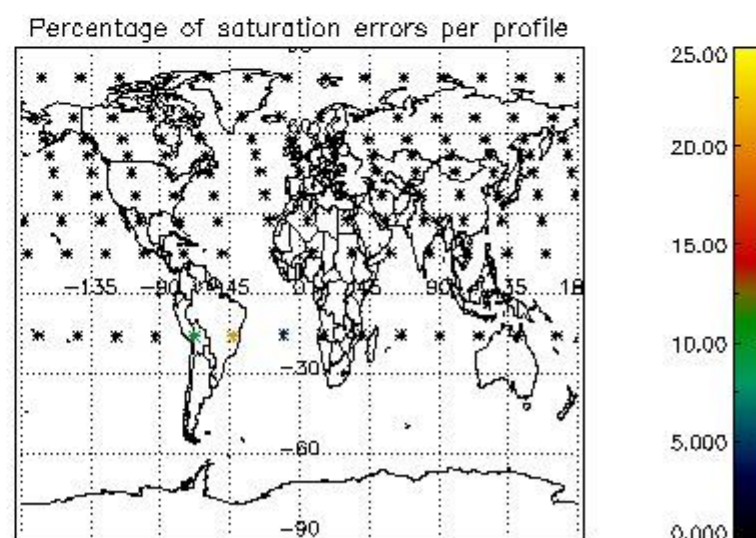
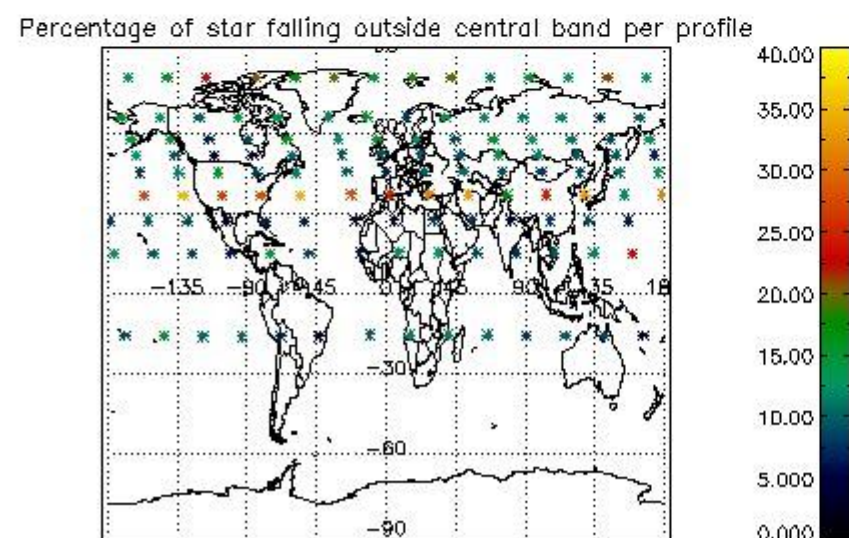
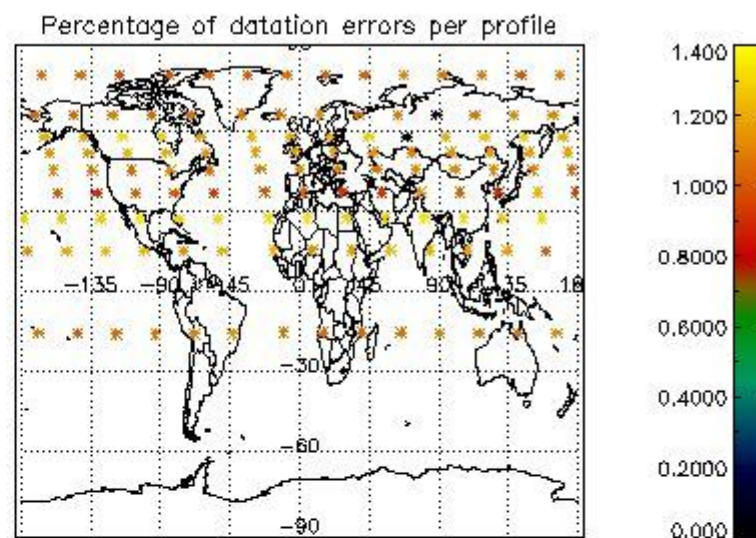
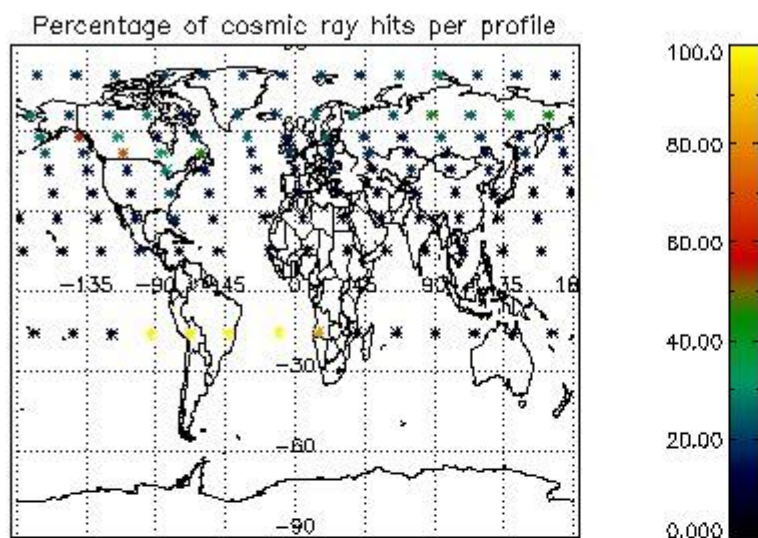


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

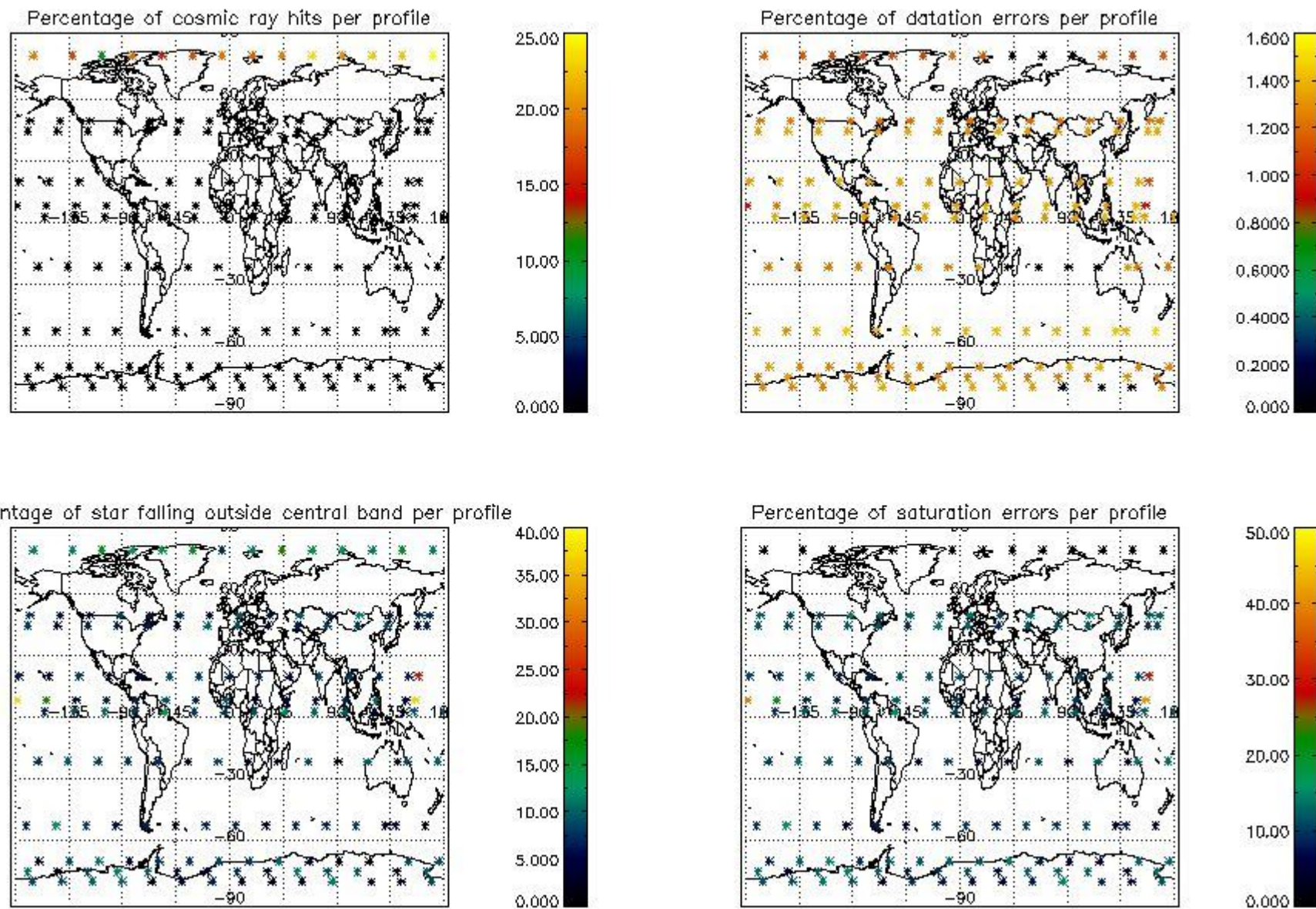


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/o3_std of the level 2 products. The table below shows the statistics for given STD ranges.

The statistics are given with respect to the overall valid production:

- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

The 'Criteria' is applied to valid points of dark limb products:

- Products in dark limb illumination condition: GOM_NL__2P/NL_SUMMARY_QUALITY/obs_ill_cond=0
- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

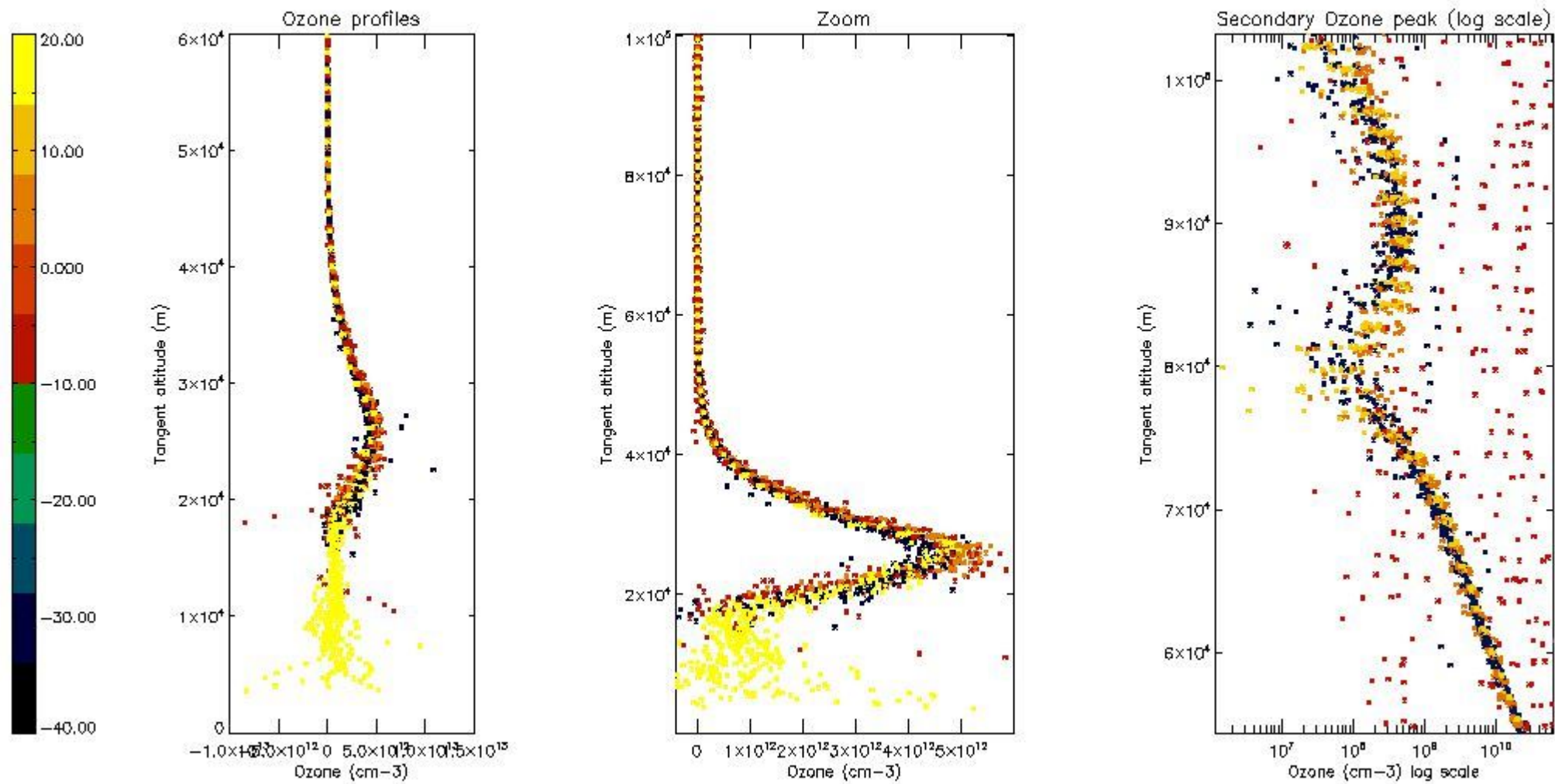
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	21
STD < 20	10

STD < 10	7
STD < 5	3

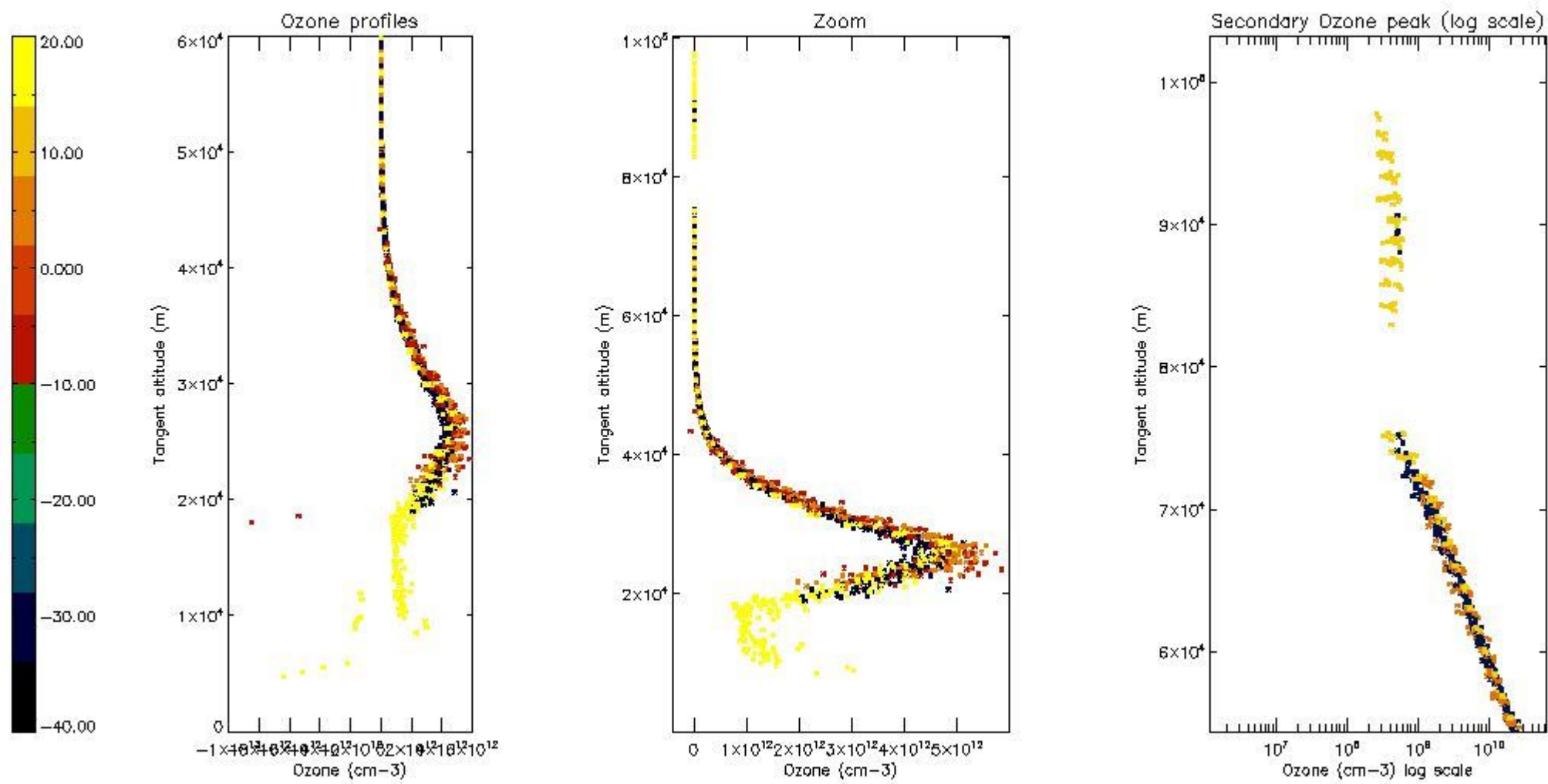
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



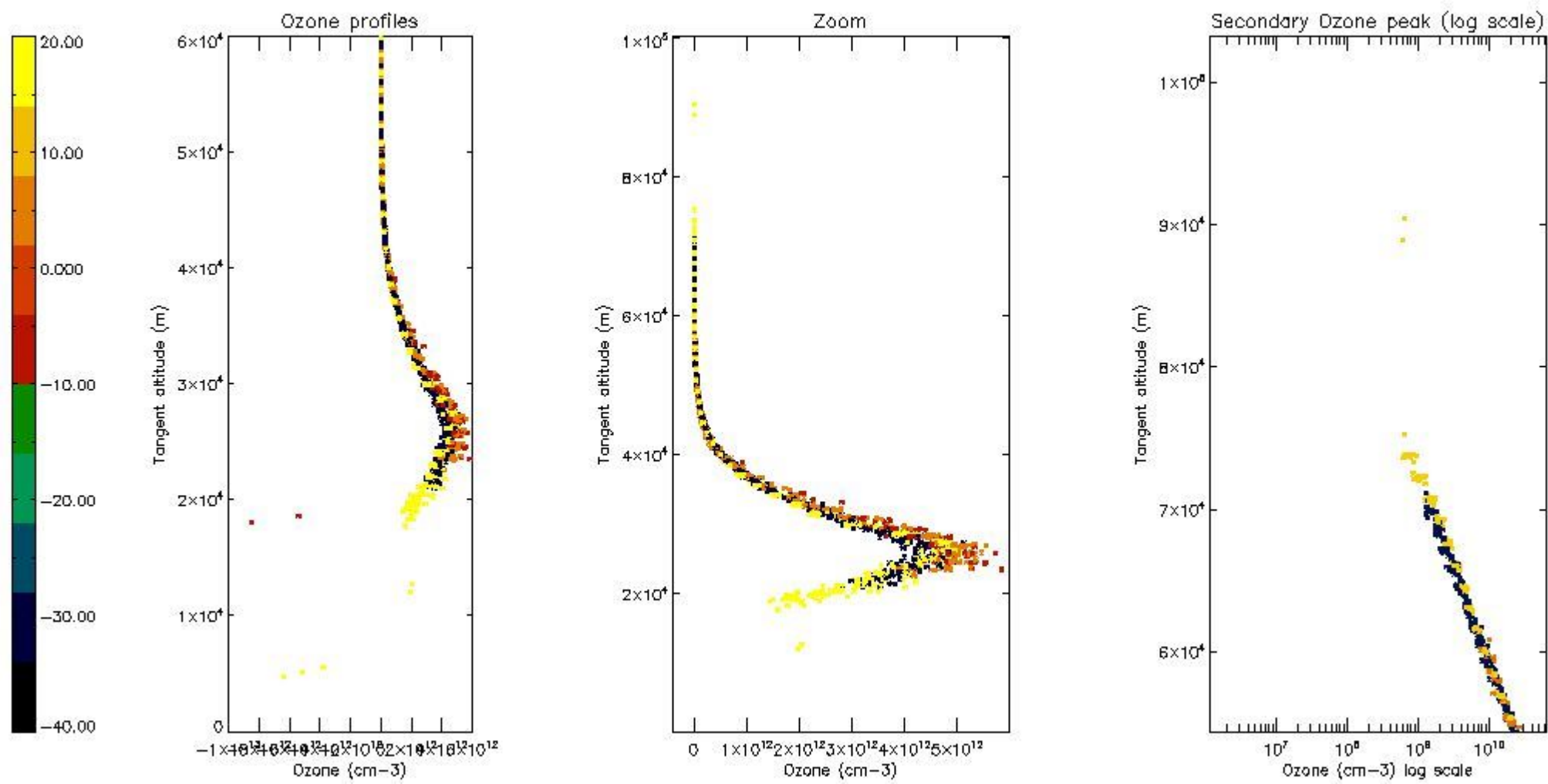
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



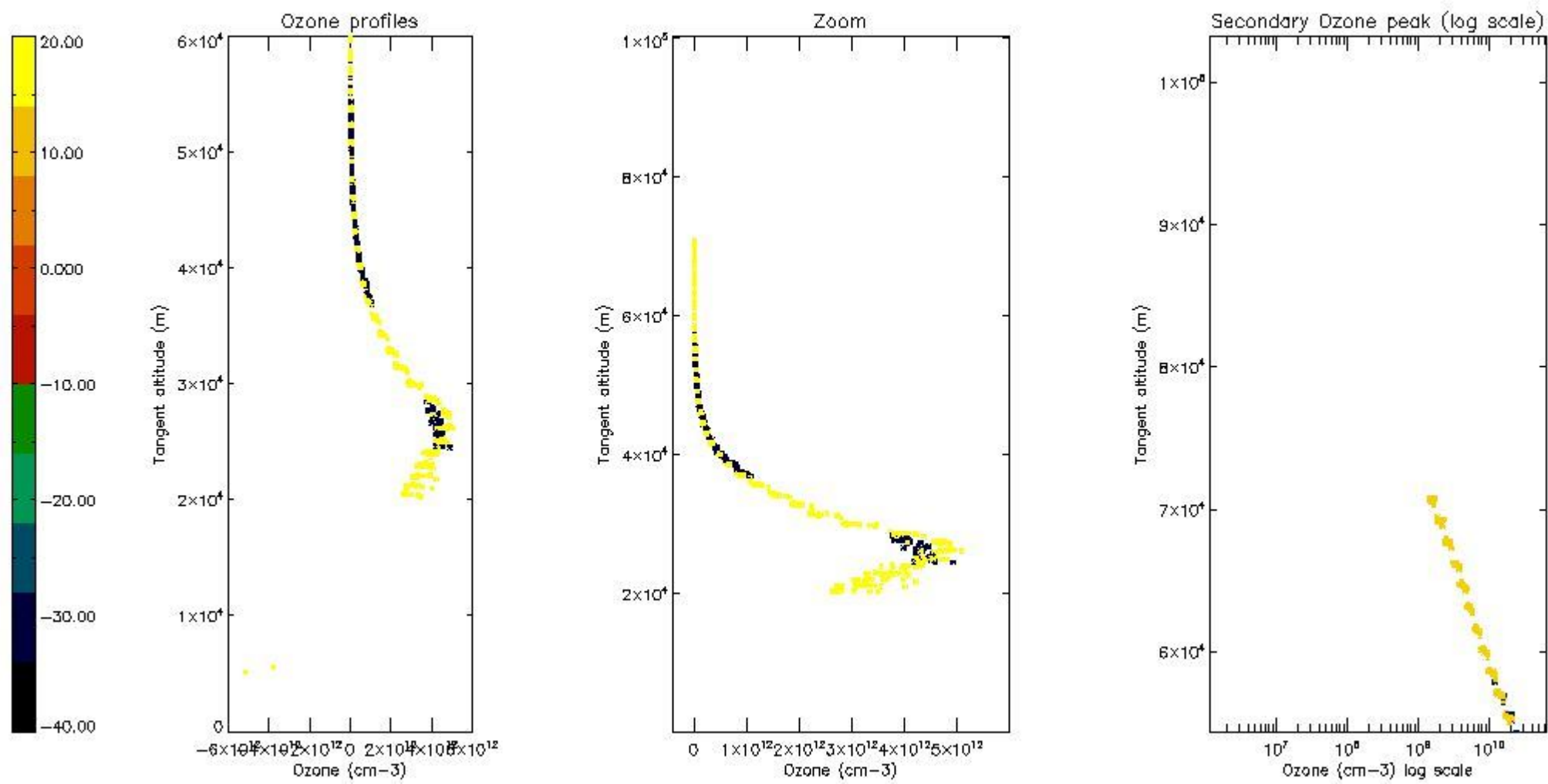
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



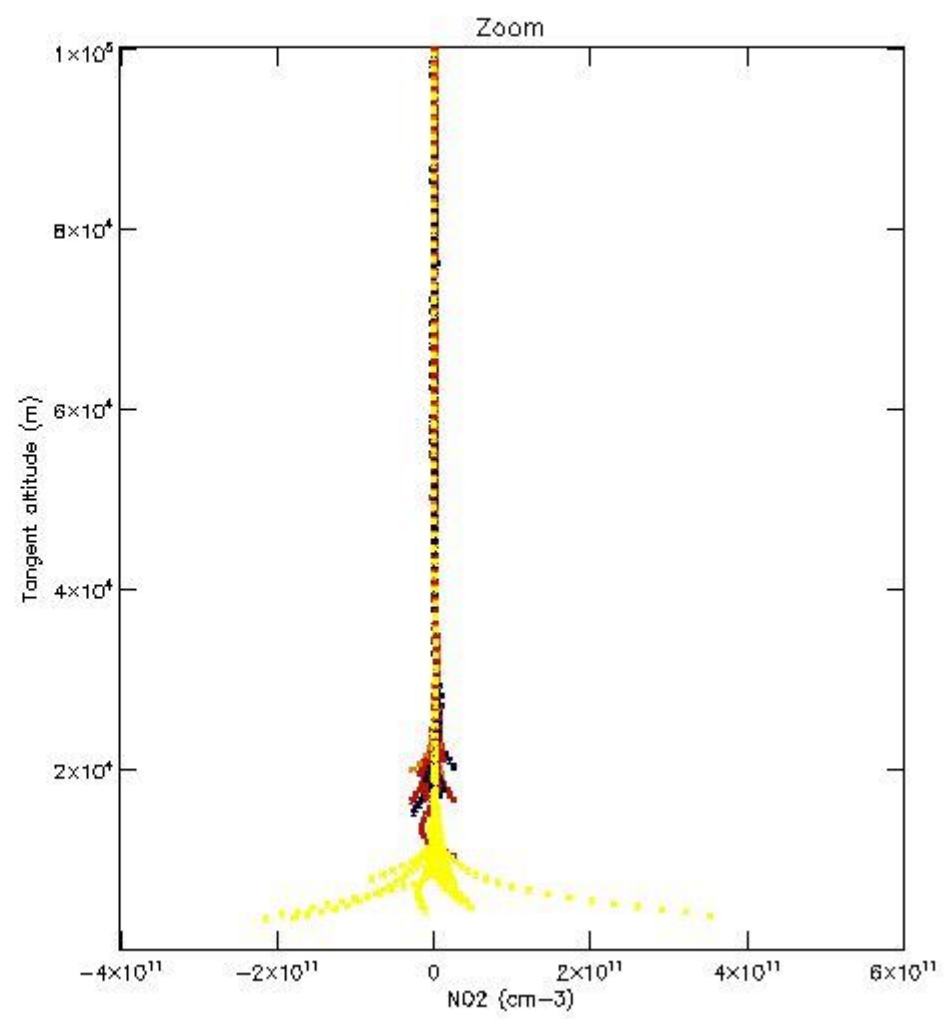
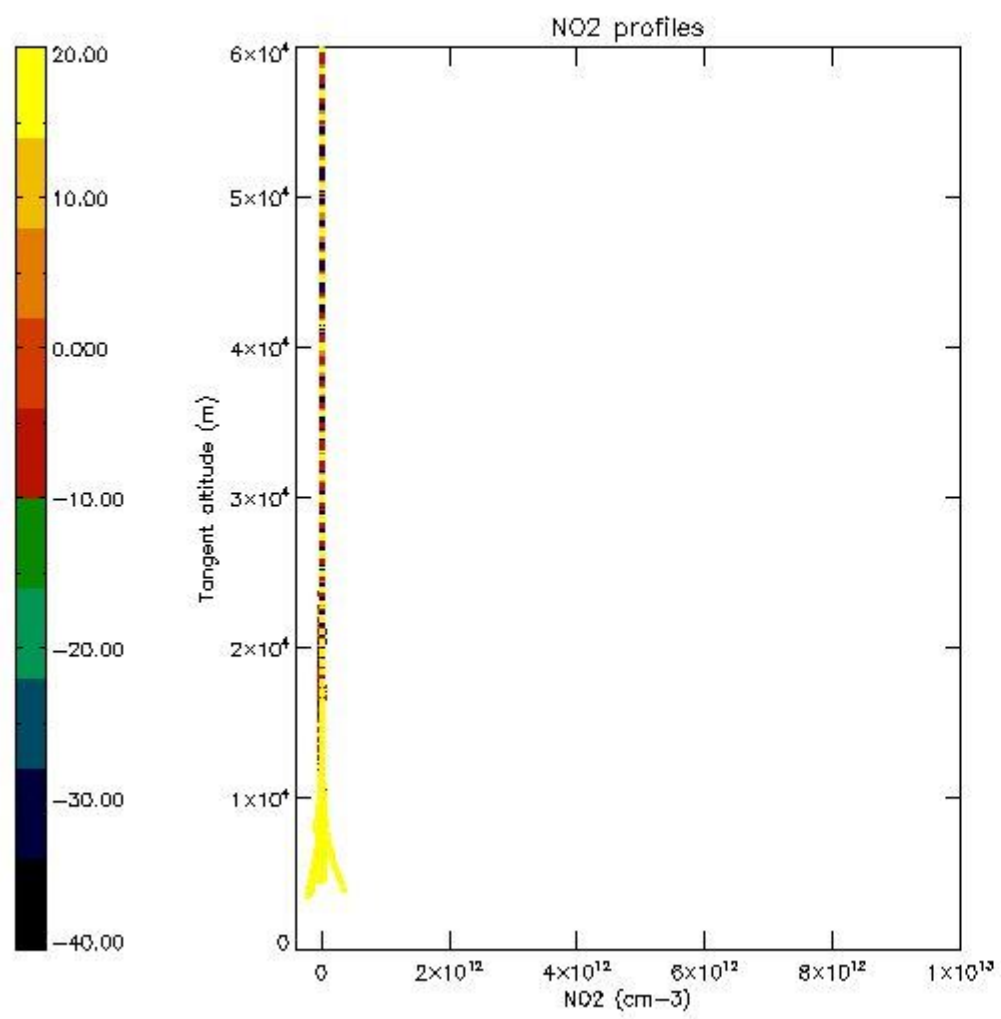
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



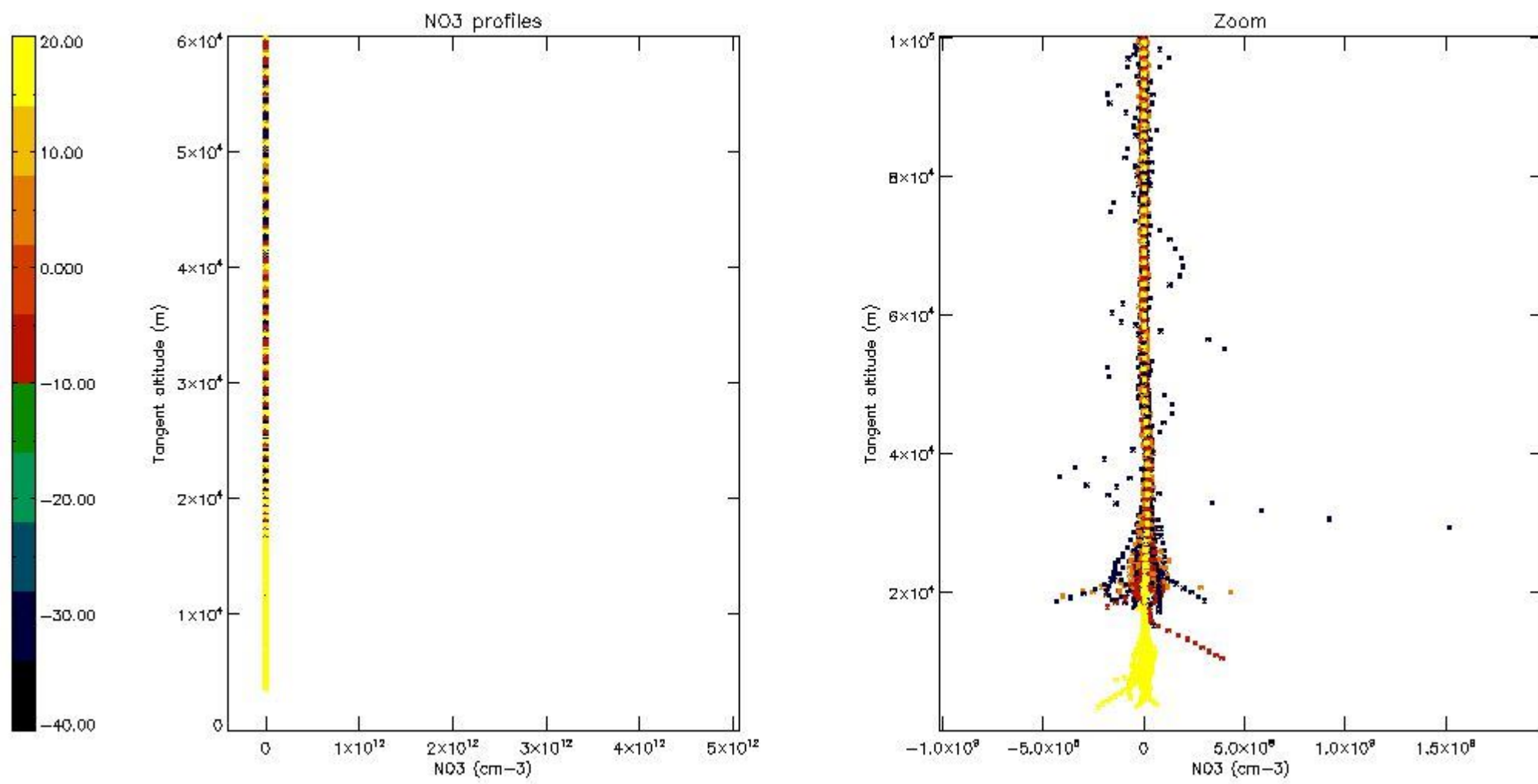
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



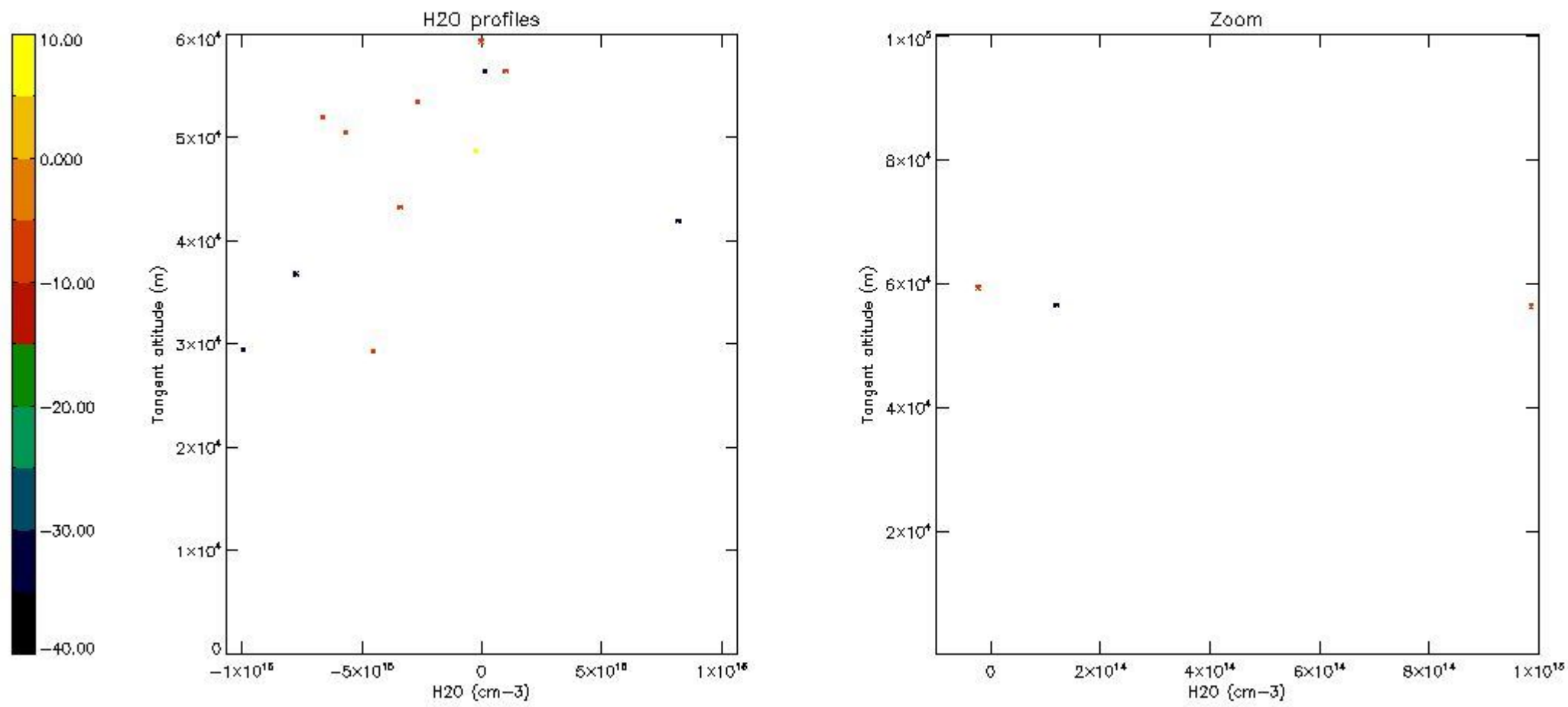
5.7 Plot NO3 profiles for all STD (dark without errors)

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-MAR-2006 00:02:03
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	24-MAR-2006 00:02:03
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	24-MAR-2006 00:02:03

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[5.7 Plot NO3 profiles for all STD \(dark without errors\)](#)

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

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

Item	Value
Time of report generation	22APR2013 17:27:40
Data source version	GOMOS/6.01
Start time of products	24-03-2006 (24MAR2006 00:00:00)
Stop time of products	25-03-2006 (25MAR2006 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	287
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

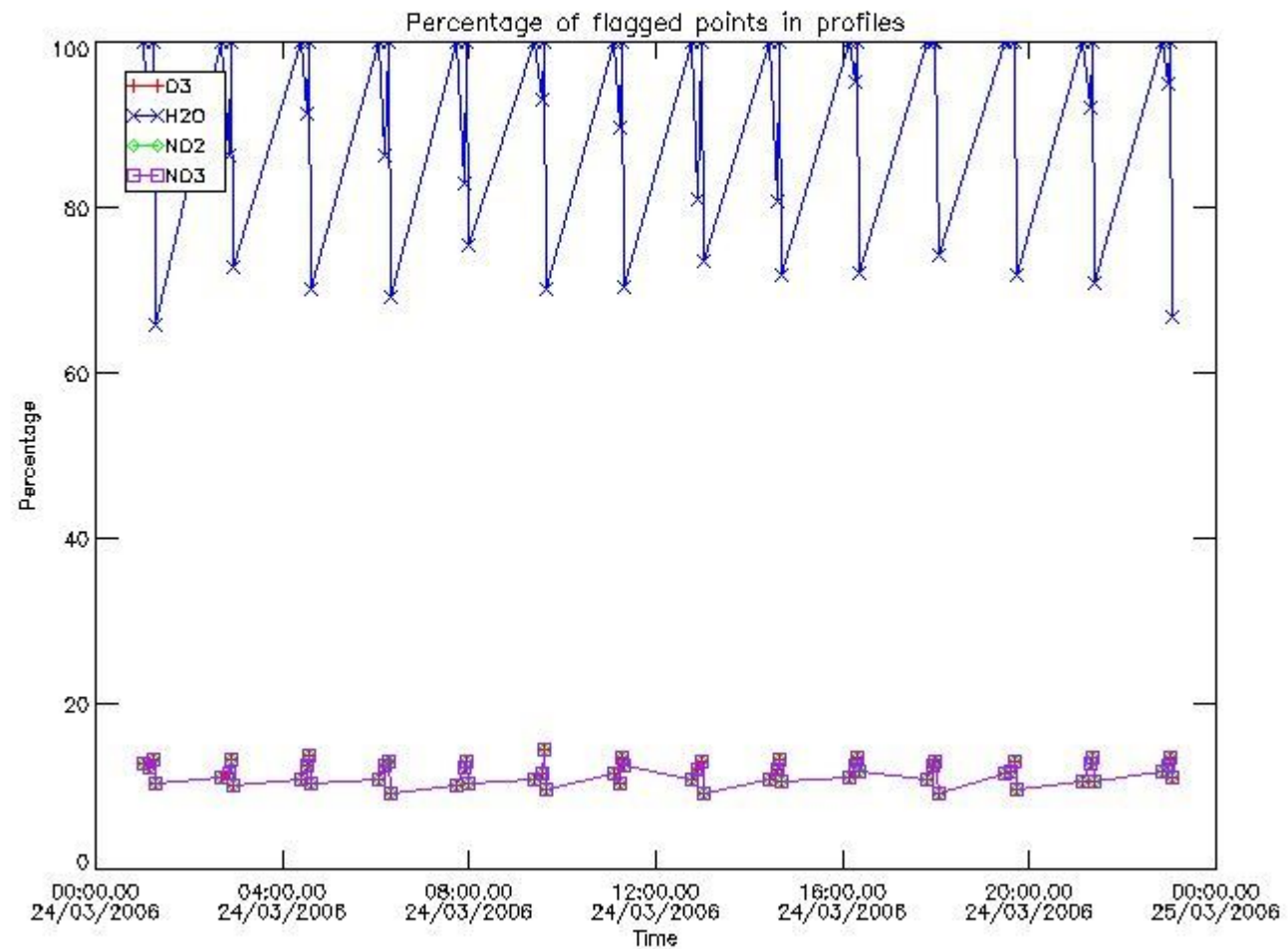
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20060324_000203_000000412046_00145_21241_8531.N1	24-MAR-2006 00:02:03	Bright	41.000	62	94Bet Leo	2.1360	9700.0	82	21241	No
2	GOM_NL__2PRFIN20060324_000327_000000372046_00145_21241_8532.N1	24-MAR-2006 00:03:27	Bright	36.500	96	68Del Leo	2.5600	9300.0	73	21241	No
3	GOM_NL__2PRFIN20060324_001024_000000372046_00145_21241_8533.N1	24-MAR-2006 00:10:24	Bright	37.000	174	52Psi UMa	3.0040	4400.0	74	21241	No
4	GOM_NL__2PRFIN20060324_001341_000000362046_00145_21241_8534.N1	24-MAR-2006 00:13:41	Bright	35.500	82	48Bet UMa	2.3650	10600.	71	21241	No
5	GOM_NL__2PRFIN20060324_001512_000000362046_00145_21241_8535.N1	24-MAR-2006 00:15:12	Bright	35.500	36	50Alp UMa	1.8000	6300.0	71	21241	No
6	GOM_NL__2PRFIN20060324_002159_000000392046_00145_21241_8536.N1	24-MAR-2006 00:21:59	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	21241	No
7	GOM_NL__2PRFIN20060324_003047_000000352046_00145_21241_8537.N1	24-MAR-2006 00:30:47	Bright	34.500	89	5Alp Cep	2.4510	8000.0	69	21241	No
8	GOM_NL__2PRFIN20060324_003556_000000362046_00145_21241_8538.N1	24-MAR-2006 00:35:56	Bright	36.000	19	50Alp Cyg	1.2460	10500.	72	21241	No
9	GOM_NL__2PRFIN20060324_003732_000000412046_00145_21241_8539.N1	24-MAR-2006 00:37:32	Bright	40.500	66	37Gam Cyg	2.2080	5900.0	81	21241	No
10	GOM_NL__2PRFIN20060324_003922_000000402046_00145_21241_8540.N1	24-MAR-2006 00:39:22	Bright	40.000	92	53Eps Cyg	2.5000	4500.0	80	21241	No
11	GOM_NL__2PRFIN20060324_010147_000000442046_00145_21241_8541.N1	24-MAR-2006 01:01:47	Dark	44.000	103	38Zet Sgr	2.6000	9700.0	88	21241	No
12	GOM_NL__2PRFIN20060324_011027_000000422046_00146_21242_8522.N1	24-MAR-2006 01:10:27	Dark	41.500	141	Bet Ara	2.8400	4600.0	83	21242	No
13	GOM_NL__2PRFIN20060324_011352_000000392046_00146_21242_8523.N1	24-MAR-2006 01:13:52	Dark	38.500	134	Bet TrA	2.8100	6600.0	77	21242	No
14	GOM_NL__2PRFIN20060324_011635_000000552046_00146_21242_8524.N1	24-MAR-2006 01:16:35	Dark	54.500	4	Alp1Cen	-0.010000	5800.0	109	21242	No
15	GOM_NL__2PRFIN20060324_011858_000000472046_00146_21242_8525.N1	24-MAR-2006 01:18:58	Straylight	47.000	78	Alp Lup	2.3040	28000.	94	21242	No
16	GOM_NL__2PRFIN20060324_012050_000000442046_00146_21242_8526.N1	24-MAR-2006 01:20:50	Straylight	43.500	95	Zet Cen	2.5450	26000.	87	21242	No
17	GOM_NL__2PRFIN20060324_012232_000000432046_00146_21242_8527.N1	24-MAR-2006 01:22:32	Straylight	43.000	64	Gam Cen	2.2000	10600.	86	21242	No
18	GOM_NL__2PRFIN20060324_012456_000000482046_00146_21242_8528.N1	24-MAR-2006 01:24:56	Straylight	47.500	123	Iot Cen	2.7500	10200.	95	21242	No
19	GOM_NL__2PRFIN20060324_013013_000000522046_00146_21242_8529.N1	24-MAR-2006 01:30:13	Straylight	51.500	106	9Bet Crv	2.6480	5600.0	103	21242	No
20	GOM_NL__2PRFIN20060324_013220_000000442046_00146_21242_8530.N1	24-MAR-2006 01:32:20	Twi_and_stray	43.500	100	4Gam Crv	2.5800	13100.	87	21242	No
21	GOM_NL__2PRFIN20060324_014239_000000412046_00146_21242_8531.N1	24-MAR-2006 01:42:39	Bright	41.000	62	94Bet Leo	2.1360	9700.0	82	21242	No
22	GOM_NL__2PRFIN20060324_014403_000000392046_00146_21242_8532.N1	24-MAR-2006 01:44:03	Bright	38.500	96	68Del Leo	2.5600	9300.0	77	21242	No
23	GOM_NL__2PRFIN20060324_015059_000000382046_00146_21242_8533.N1	24-MAR-2006 01:50:59	Bright	37.500	174	52Psi UMa	3.0040	4400.0	75	21242	No
24	GOM_NL__2PRFIN20060324_015416_000000382046_00146_21242_8534.N1	24-MAR-2006 01:54:16	Bright	38.000	82	48Bet UMa	2.3650	10600.	76	21242	No
25	GOM_NL__2PRFIN20060324_015548_000000362046_00146_21242_8535.N1	24-MAR-2006 01:55:48	Bright	35.500	36	50Alp UMa	1.8000	6300.0	71	21242	No
26	GOM_NL__2PRFIN20060324_020235_000000412046_00146_21242_8536.N1	24-MAR-2006 02:02:35	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	21242	No
27	GOM_NL__2PRFIN20060324_021123_000000362046_00146_21242_8537.N1	24-MAR-2006 02:11:23	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	21242	No
28	GOM_NL__2PRFIN20060324_021632_000000372046_00146_21242_8538.N1	24-MAR-2006 02:16:32	Bright	36.500	19	50Alp Cyg	1.2460	10500.	73	21242	No
29	GOM_NL__2PRFIN20060324_021808_000000412046_00146_21242_8539.N1	24-MAR-2006 02:18:08	Bright	40.500	66	37Gam Cyg	2.2080	5900.0	81	21242	No
30	GOM_NL__2PRFIN20060324_021958_000000382046_00146_21242_8540.N1	24-MAR-2006 02:19:58	Bright	37.500	92	53Eps Cyg	2.5000	4500.0	75	21242	No
31	GOM_NL__2PRFIN20060324_024224_000000462046_00146_21242_8541.N1	24-MAR-2006 02:42:24	Dark	45.500	103	38Zet Sgr	2.6000	9700.0	91	21242	No
32	GOM_NL__2PRFIN20060324_025103_000000442046_00147_21243_8522.N1	24-MAR-2006 02:51:03	Dark	44.000	141	Bet Ara	2.8400	4600.0	88	21243	No
33	GOM_NL__2PRFIN20060324_025429_000000392046_00147_21243_8523.N1	24-MAR-2006 02:54:29	Dark	38.500	134	Bet TrA	2.8100	6600.0	77	21243	No
34	GOM_NL__2PRFIN20060324_025711_000000502046_00147_21243_8524.N1	24-MAR-2006 02:57:11	Dark	50.000	4	Alp1Cen	-0.010000	5800.0	100	21243	No
35	GOM_NL__2PRFIN20060324_025935_000000452046_00147_21243_8525.N1	24-MAR-2006 02:59:35	Straylight	44.500	78	Alp Lup	2.3040	28000.	89	21243	No
36	GOM_NL__2PRFIN20060324_030126_000000422046_00147_21243_8526.N1	24-MAR-2006 03:01:26	Straylight	41.500	95	Zet Cen	2.5450	26000.	83	21243	No
37	GOM_NL__2PRFIN20060324_030308_000000392046_00147_21243_8527.N1	24-MAR-2006 03:03:08	Straylight	39.000	64	Gam Cen	2.2000	10600.	78	21243	No
38	GOM_NL__2PRFIN20060324_030532_000000492046_00147_21243_8528.N1	24-MAR-2006 03:05:32	Straylight	48.500	123	Iot Cen	2.7500	10200.	97	21243	No
39	GOM_NL__2PRFIN20060324_031049_000000482046_00147_21243_8529.N1	24-MAR-2006 03:10:49	Straylight	48.000	106	9Bet Crv	2.6480	5600.0	96	21243	No
40	GOM_NL__2PRFIN20060324_031256_000000442046_00147_21243_8530.N1	24-MAR-2006 03:12:56	Twi_and_stray	44.000	100	4Gam Crv	2.5800	13100.	88	21243	No
41	GOM_NL__2PRFIN20060324_032314_000000432046_00147_21243_8531.N1	24-MAR-2006 03:23:14	Bright	43.000	62	94Bet Leo	2.1360	9700.0	86	21243	No
42	GOM_NL__2PRFIN20060324_032438_000000382046_00147_21243_8532.N1	24-MAR-2006 03:24:38	Bright	38.000	96	68Del Leo	2.5600	9300.0	76	21243	No

279	GOM_NL__2PRFIN20060324_231803_000000502046_00159_21255_8570.N1	24-MAR-2006 23:18:03	Straylight	49.500	106	9Bet Crv	2.6480	5600.0	99	21255	No
280	GOM_NL__2PRFIN20060324_232008_000000442046_00159_21255_8571.N1	24-MAR-2006 23:20:08	Twilight_stray	43.500	100	4Gam Crv	2.5800	13100.	87	21255	No
281	GOM_NL__2PRFIN20060324_233022_000000412046_00159_21255_8572.N1	24-MAR-2006 23:30:22	Bright	40.500	62	94Bet Leo	2.1360	9700.0	81	21255	No
282	GOM_NL__2PRFIN20060324_233148_000000372046_00159_21255_8573.N1	24-MAR-2006 23:31:48	Bright	37.000	96	68Del Leo	2.5600	9300.0	74	21255	No
283	GOM_NL__2PRFIN20060324_233844_000000462046_00159_21255_8574.N1	24-MAR-2006 23:38:44	Bright	45.500	174	52Psi UMa	3.0040	4400.0	91	21255	No
284	GOM_NL__2PRFIN20060324_234201_000000542046_00159_21255_8575.N1	24-MAR-2006 23:42:01	Bright	54.000	82	48Bet UMa	2.3650	10600.	108	21255	No
285	GOM_NL__2PRFIN20060324_234332_000000382046_00159_21255_8576.N1	24-MAR-2006 23:43:32	Bright	37.500	36	50Alp UMa	1.8000	6300.0	75	21255	No
286	GOM_NL__2PRFIN20060324_235017_000000412046_00159_21255_8577.N1	24-MAR-2006 23:50:17	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	21255	No
287	GOM_NL__2PRFIN20060324_235909_000000362046_00159_21255_8578.N1	24-MAR-2006 23:59:09	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	21255	No

3. Quality information per product

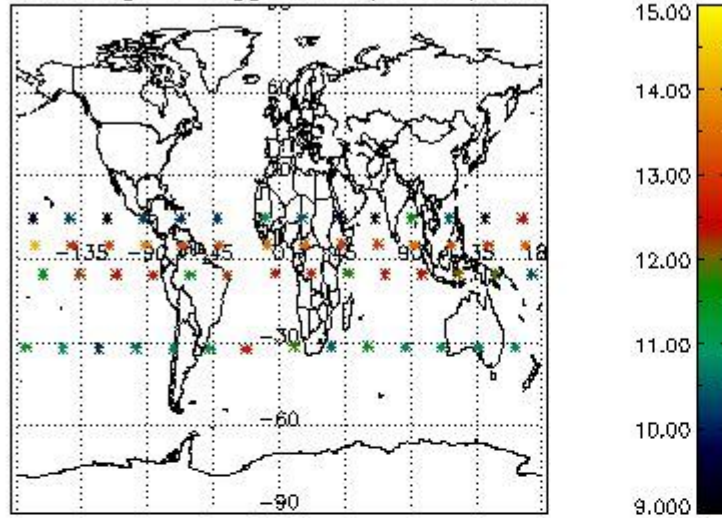
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

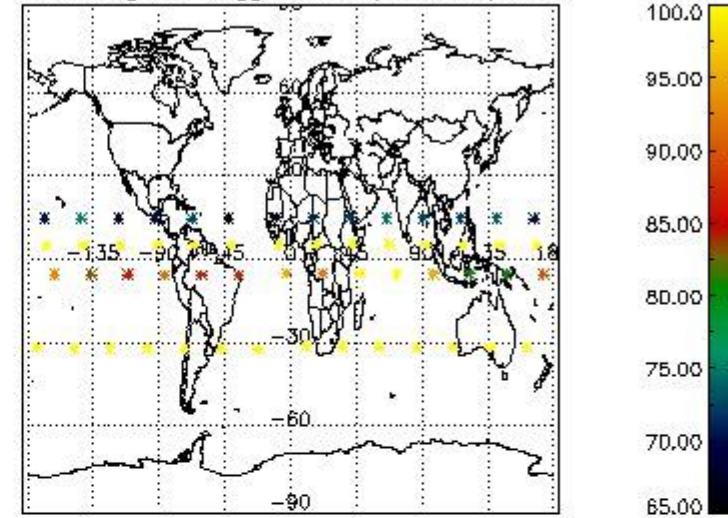


3.2 Plot quality information per product (world map)

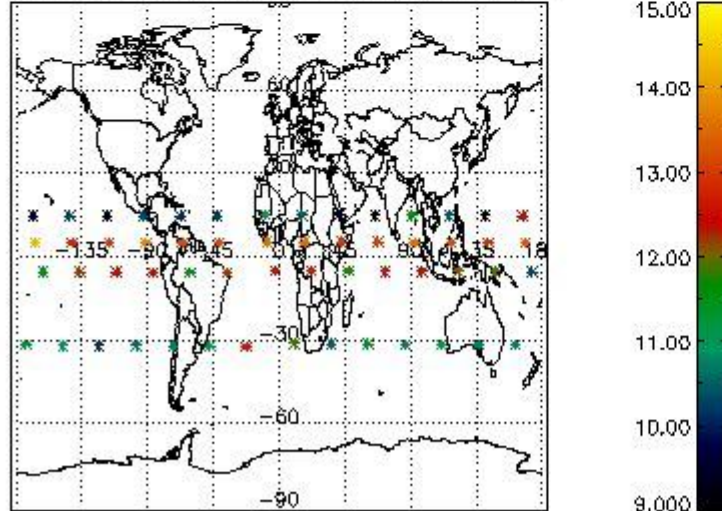
Percentage of flagged data per O3 profile



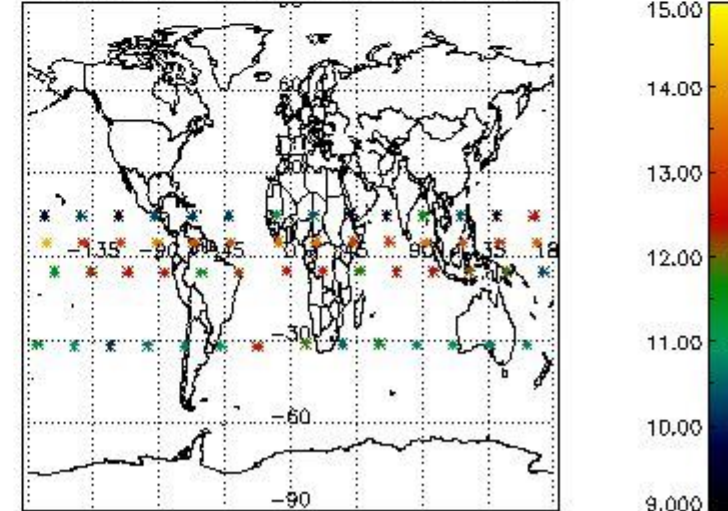
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

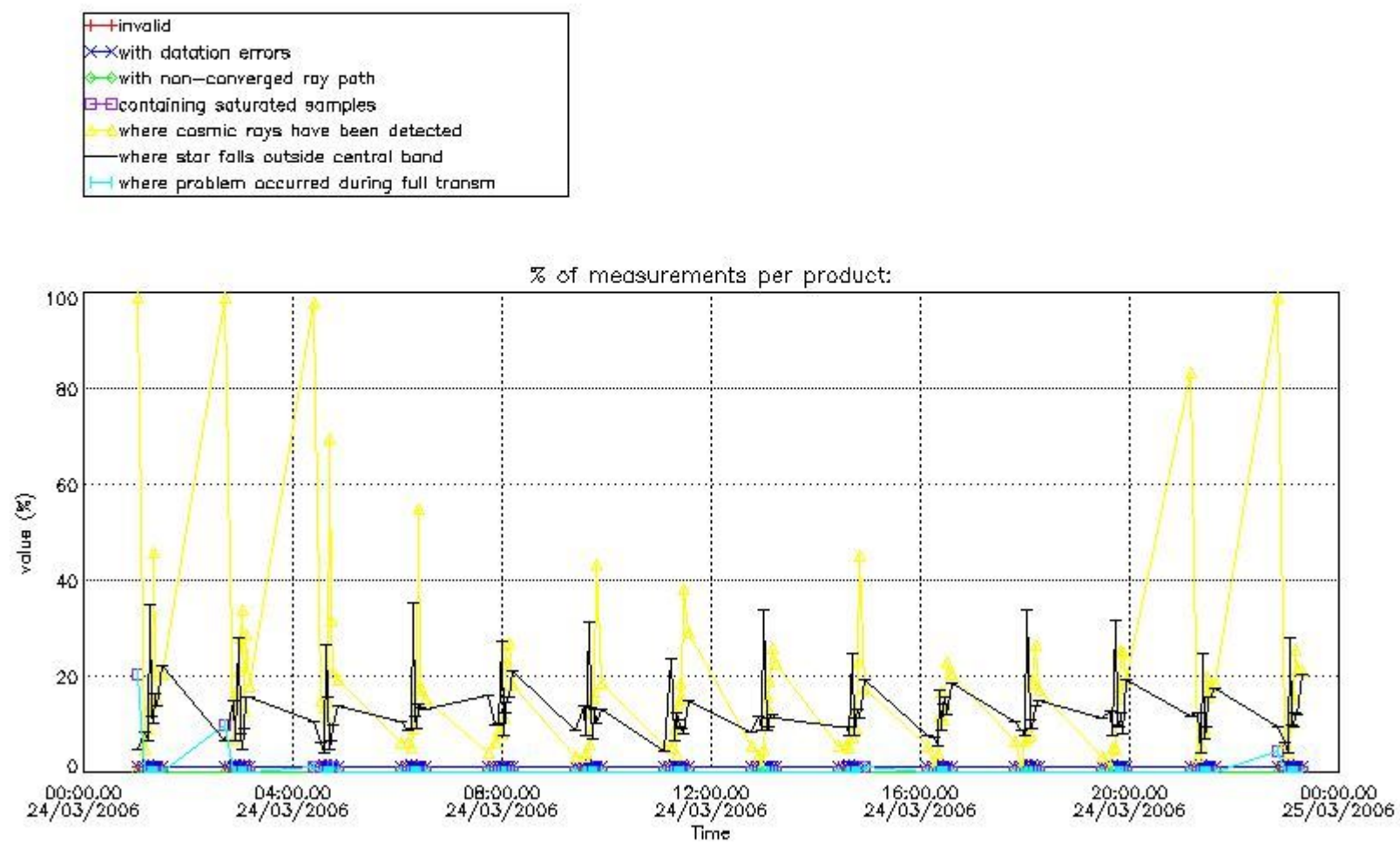


4. Level 1 quality information per product

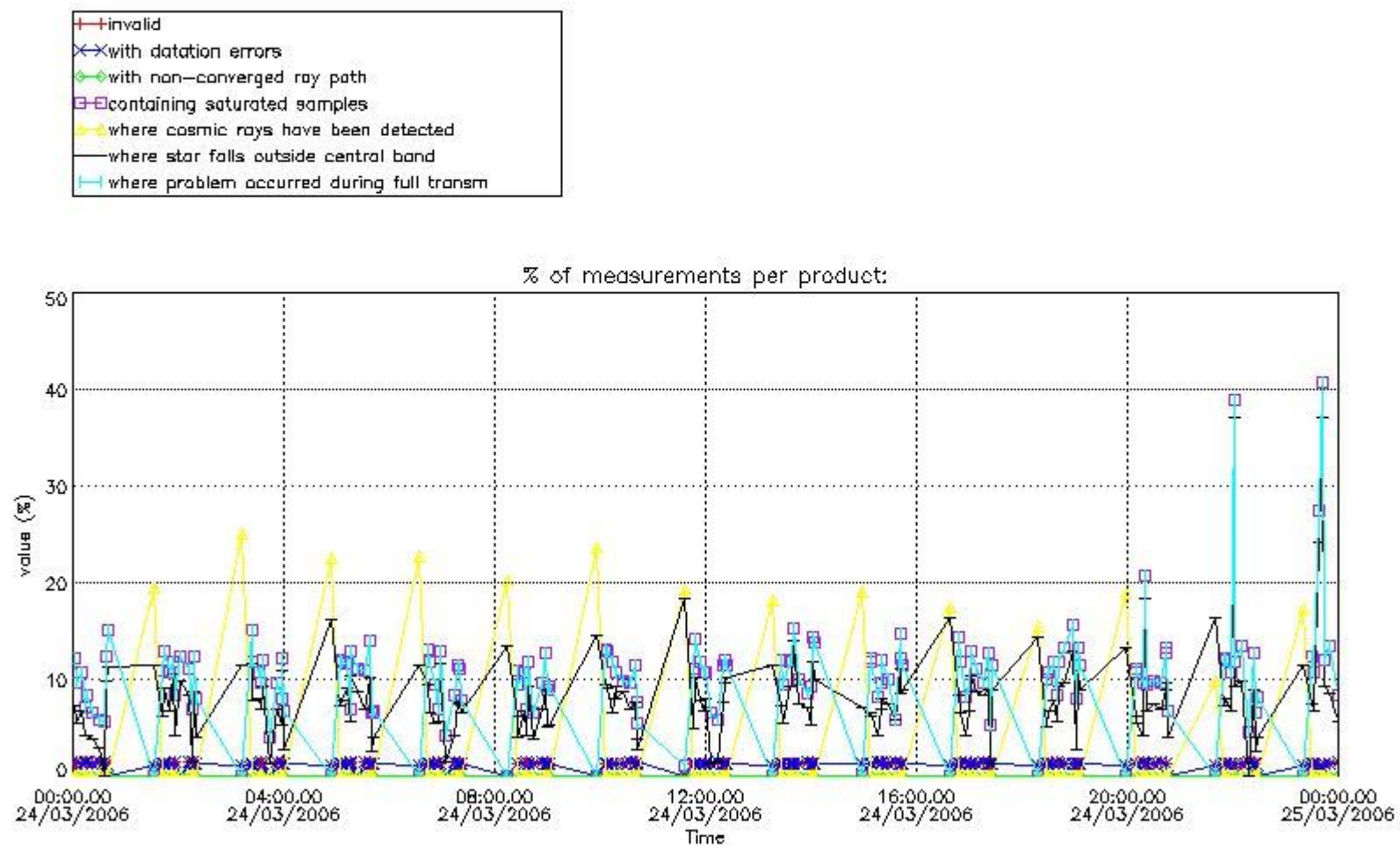
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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

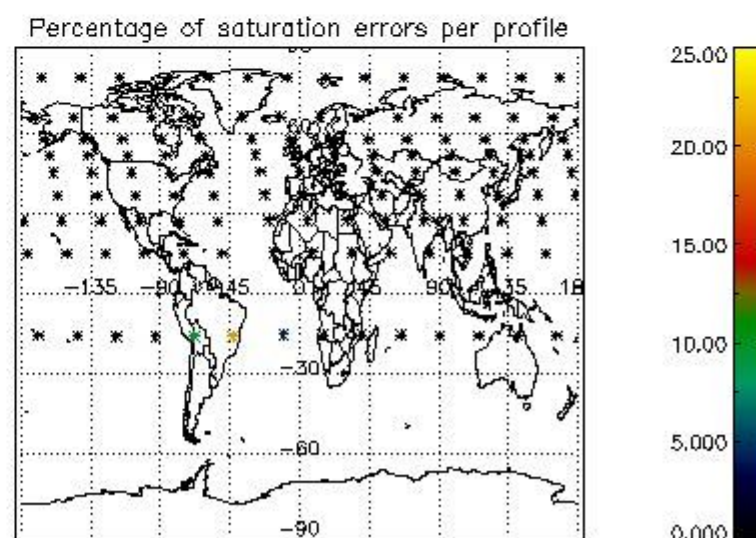
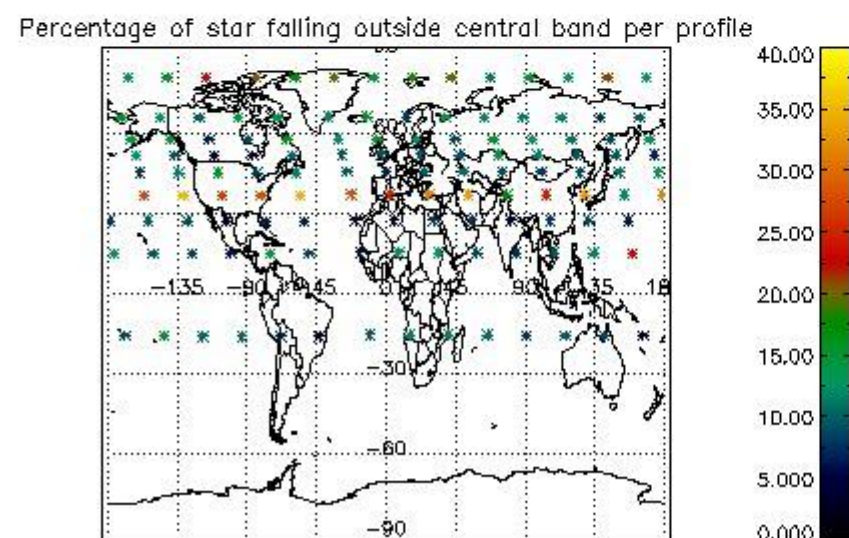
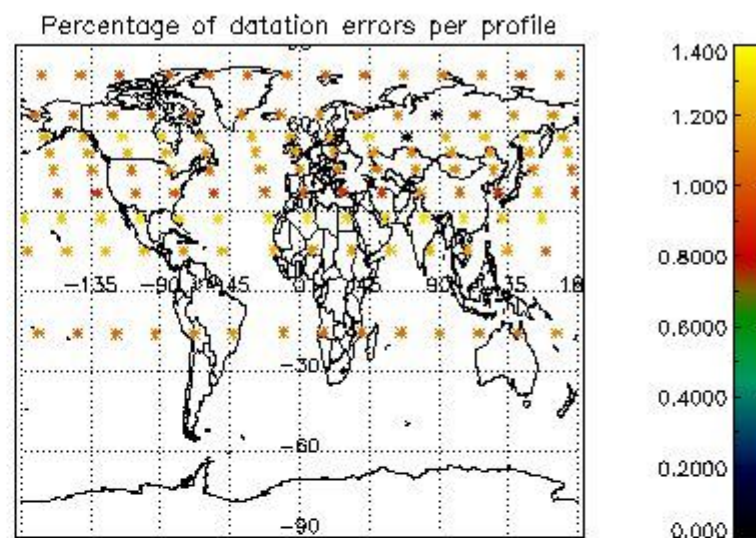
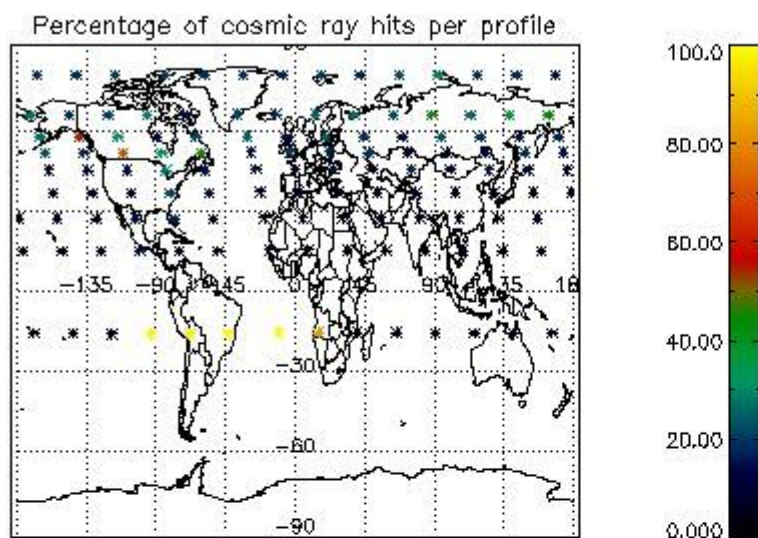


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

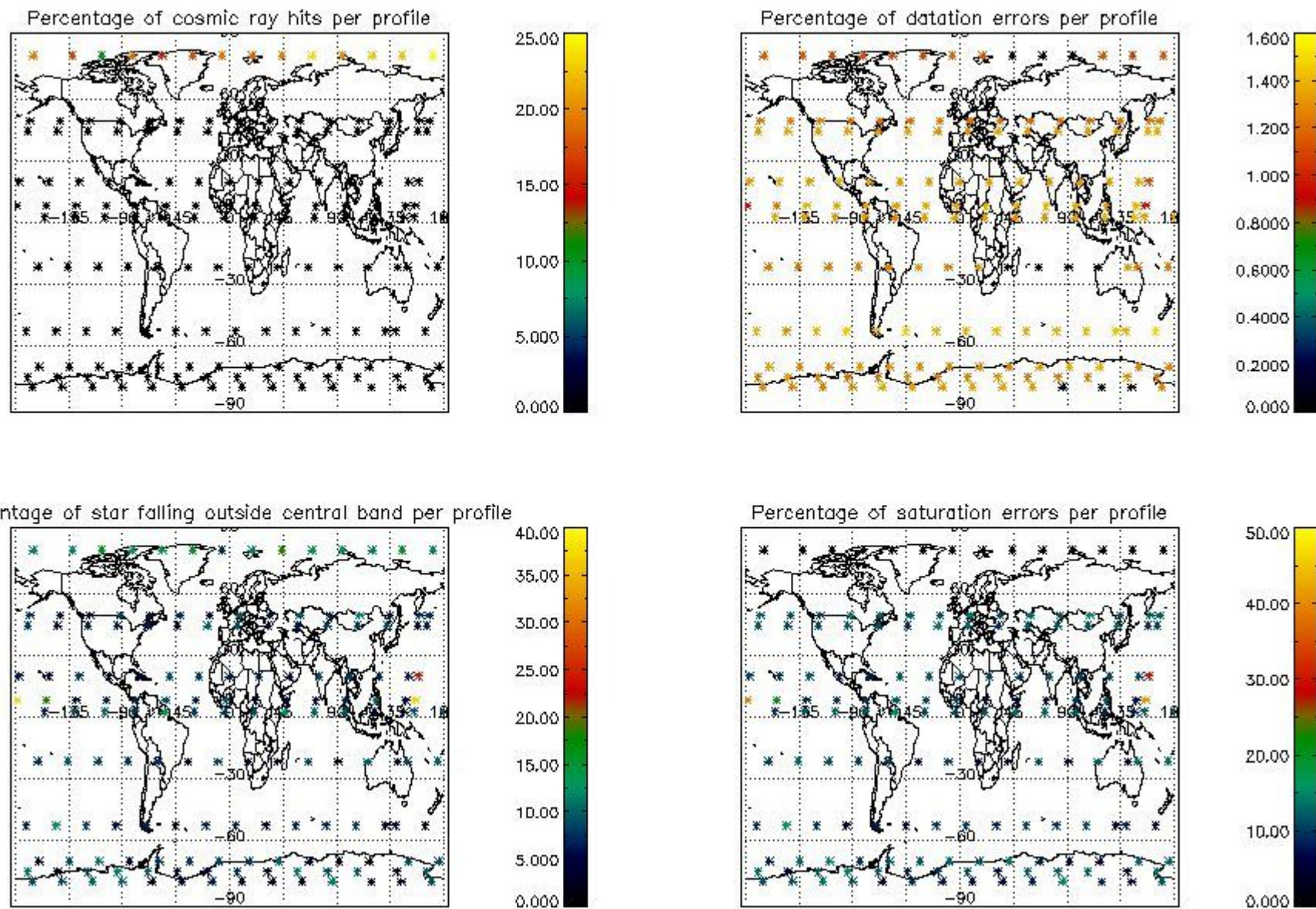


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/o3_std of the level 2 products. The table below shows the statistics for given STD ranges.

The statistics are given with respect to the overall valid production:

- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

The 'Criteria' is applied to valid points of dark limb products:

- Products in dark limb illumination condition: GOM_NL__2P/NL_SUMMARY_QUALITY/obs_ill_cond=0
- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

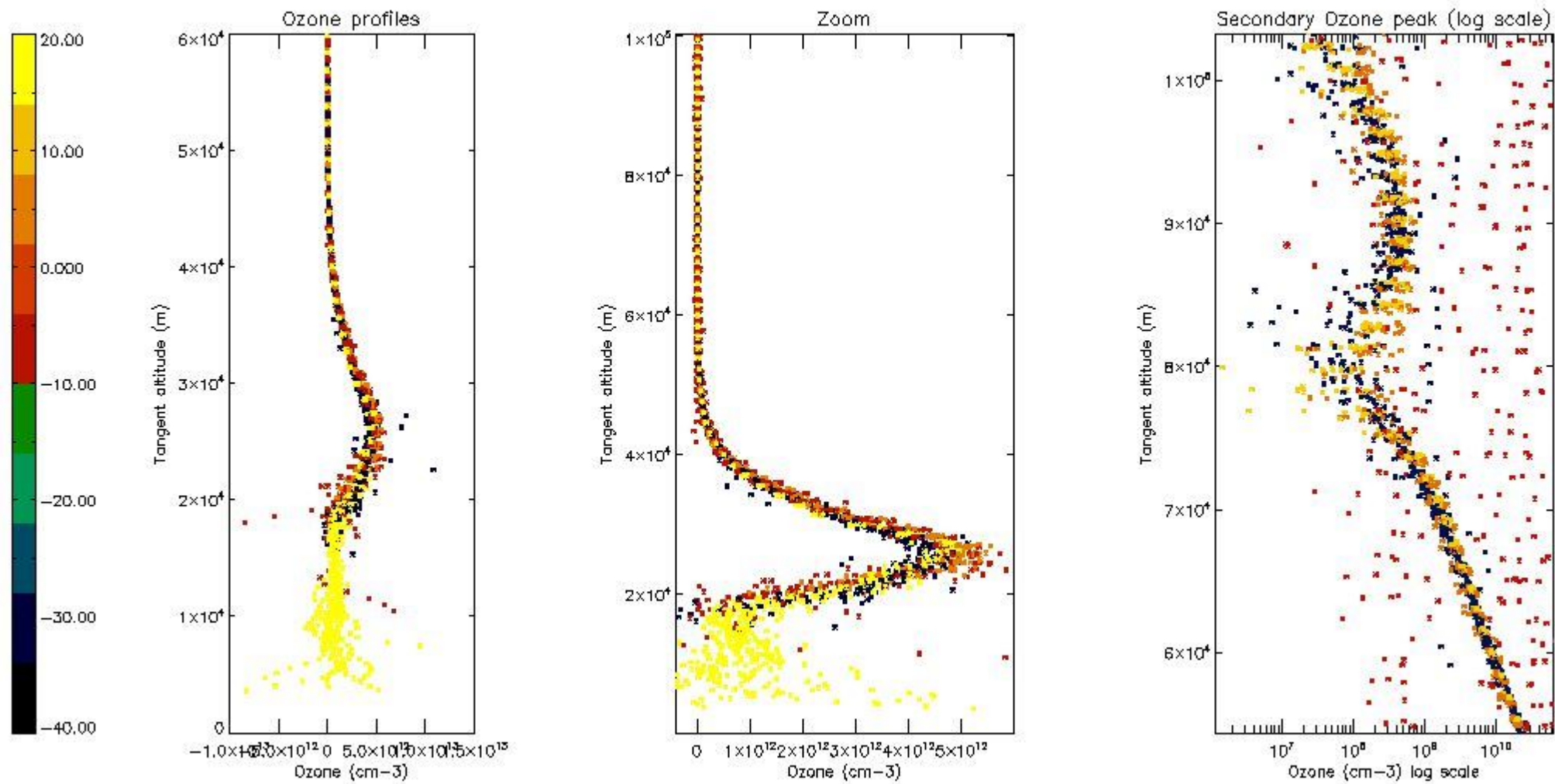
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	21
STD < 20	10

STD < 10	7
STD < 5	3

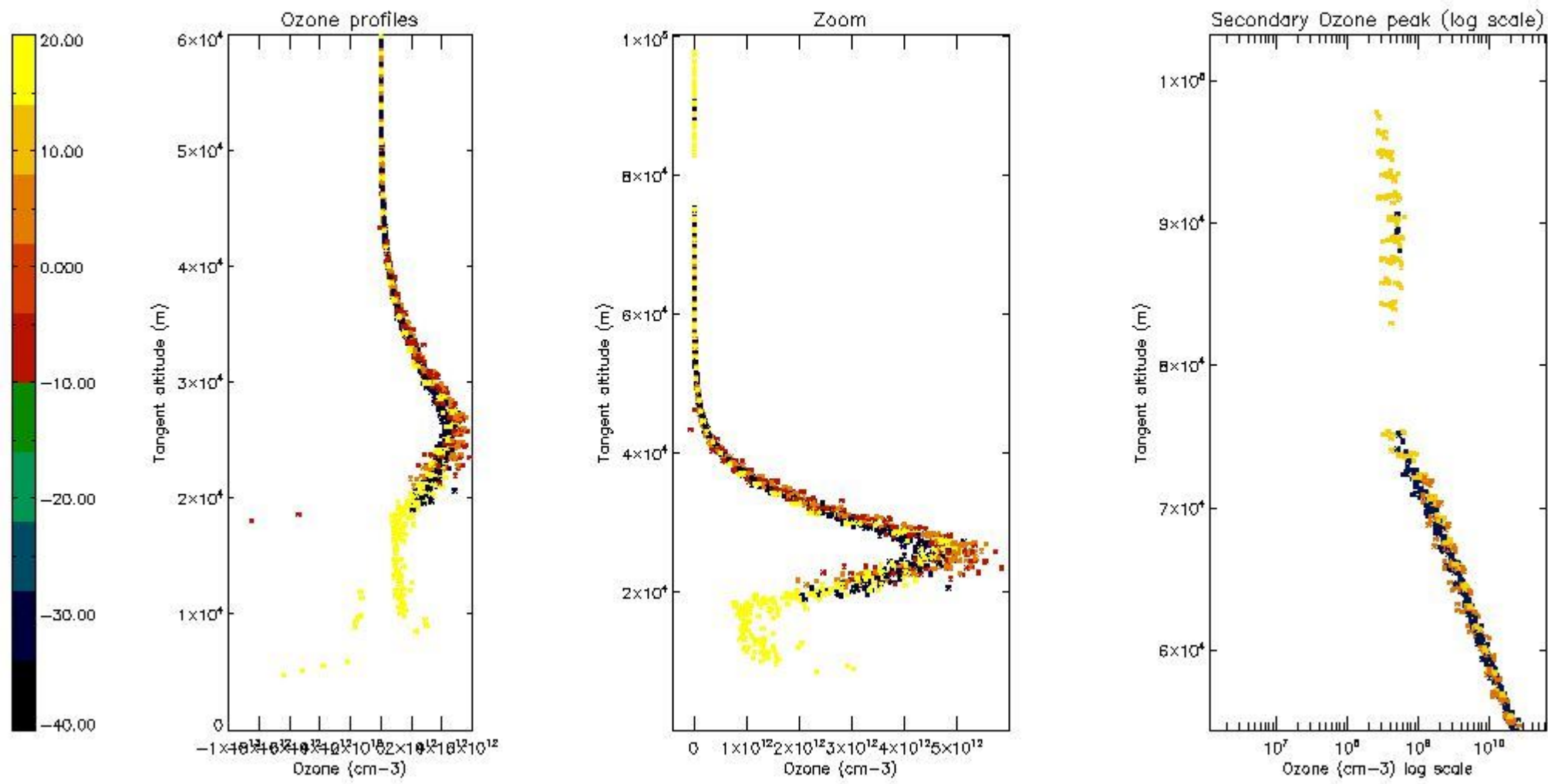
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



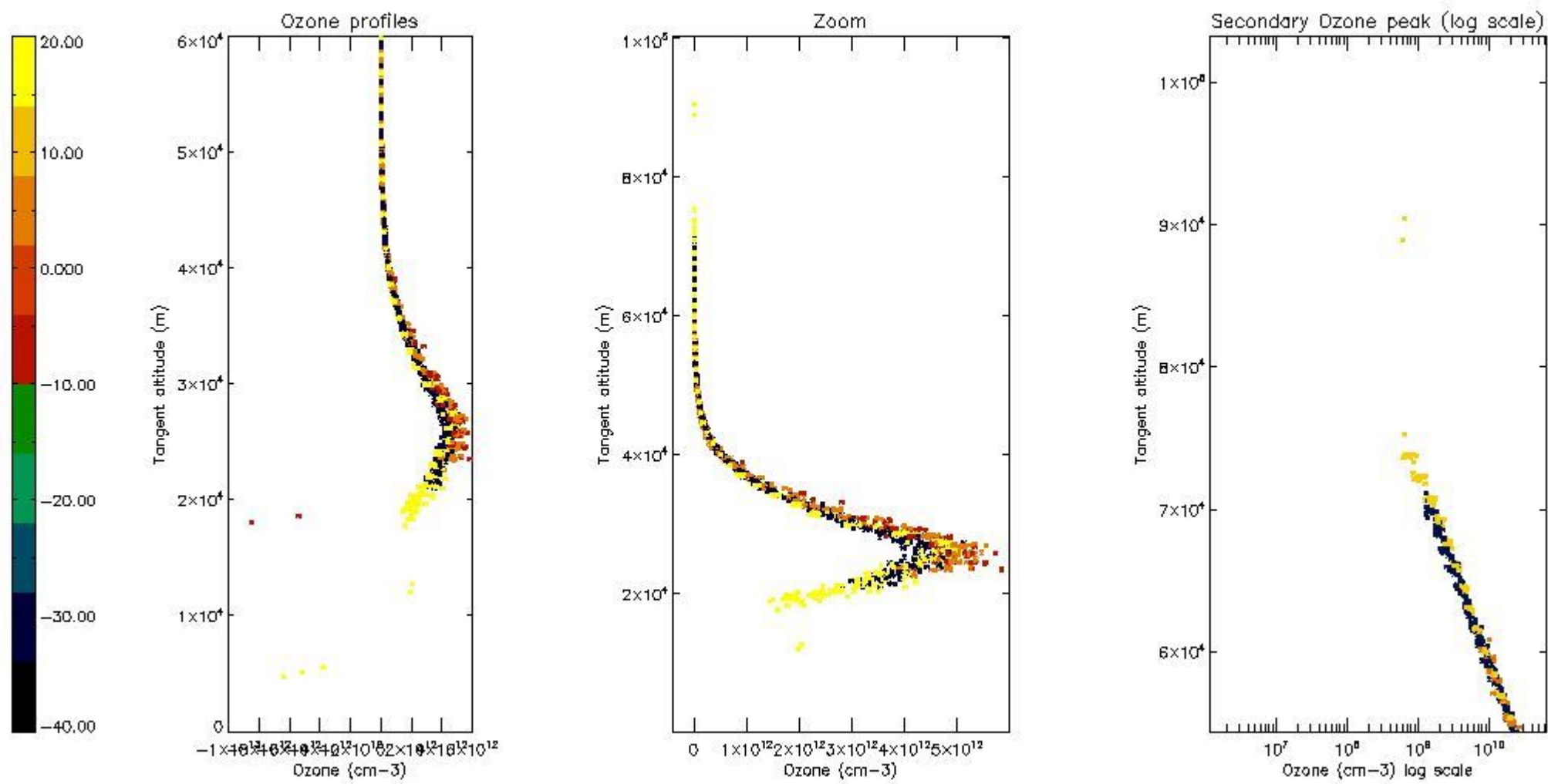
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



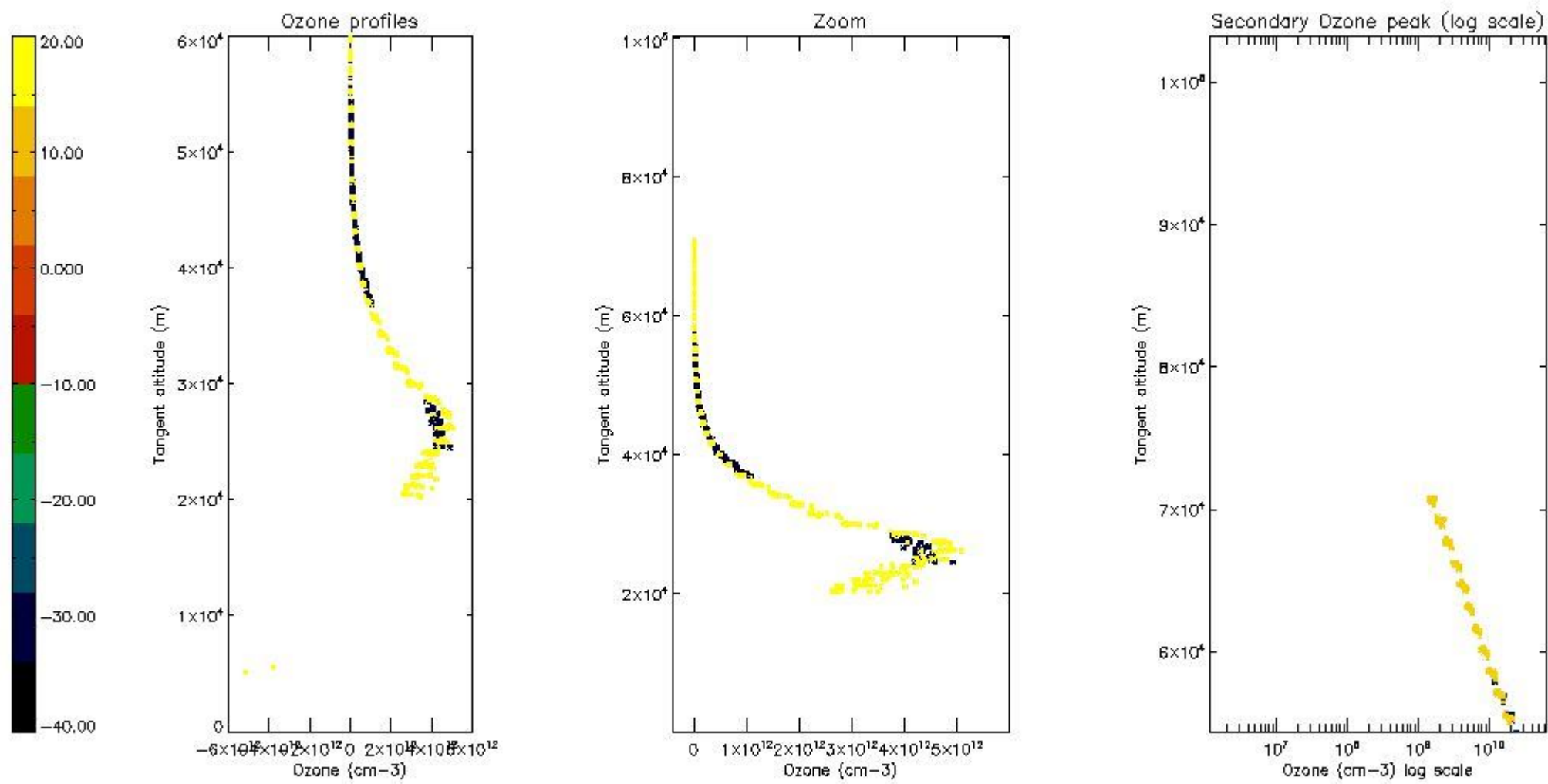
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



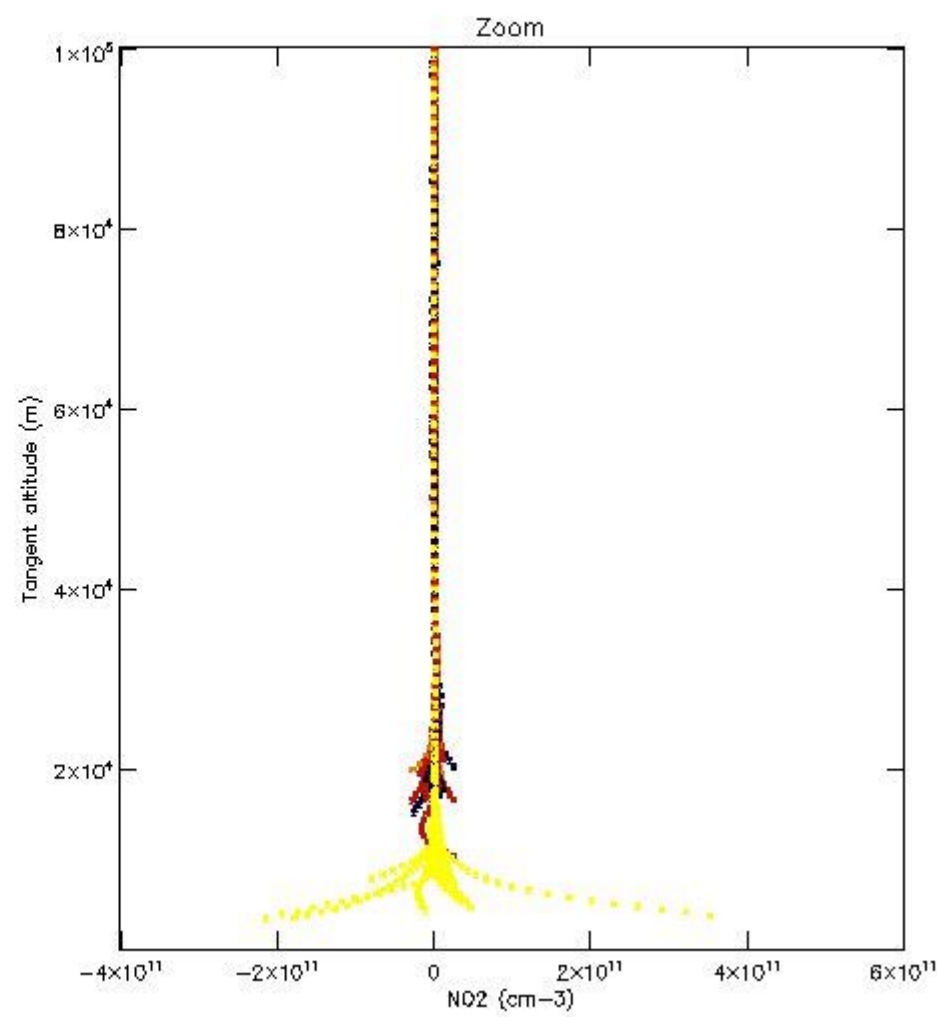
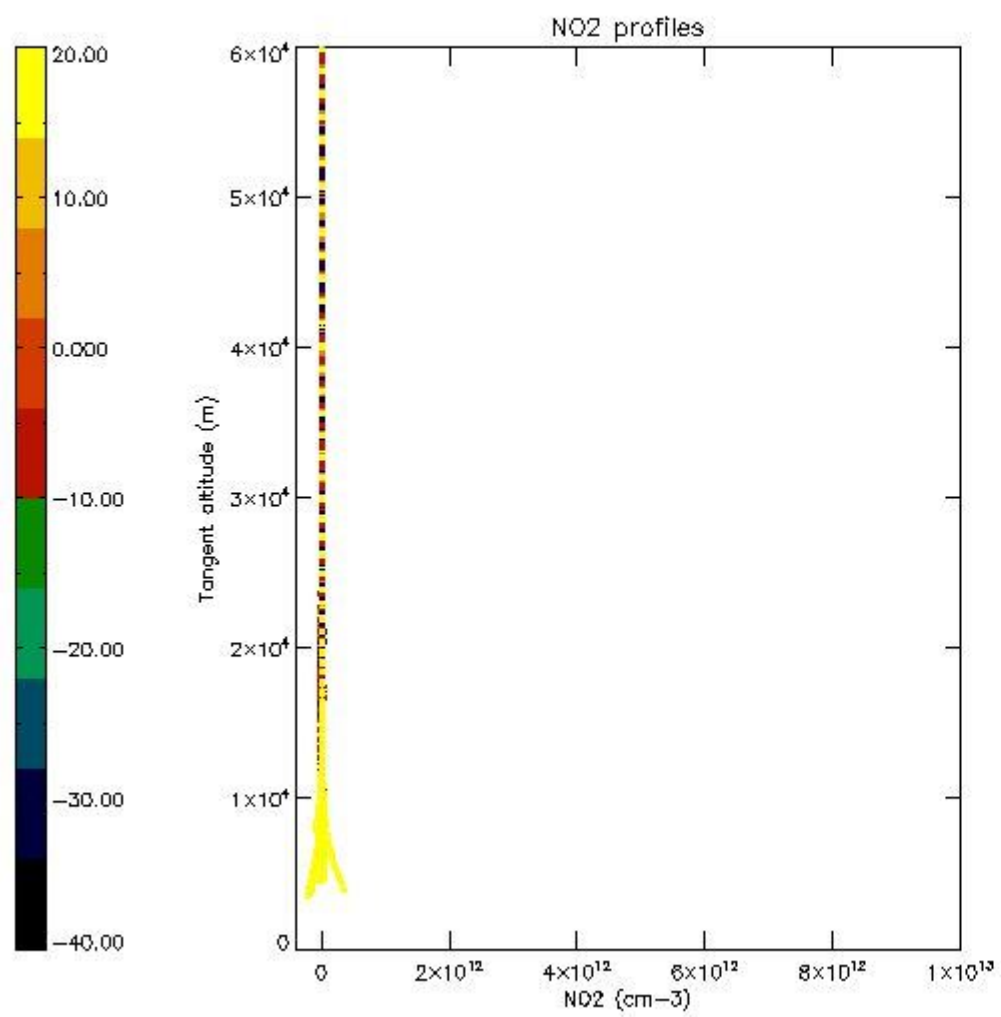
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



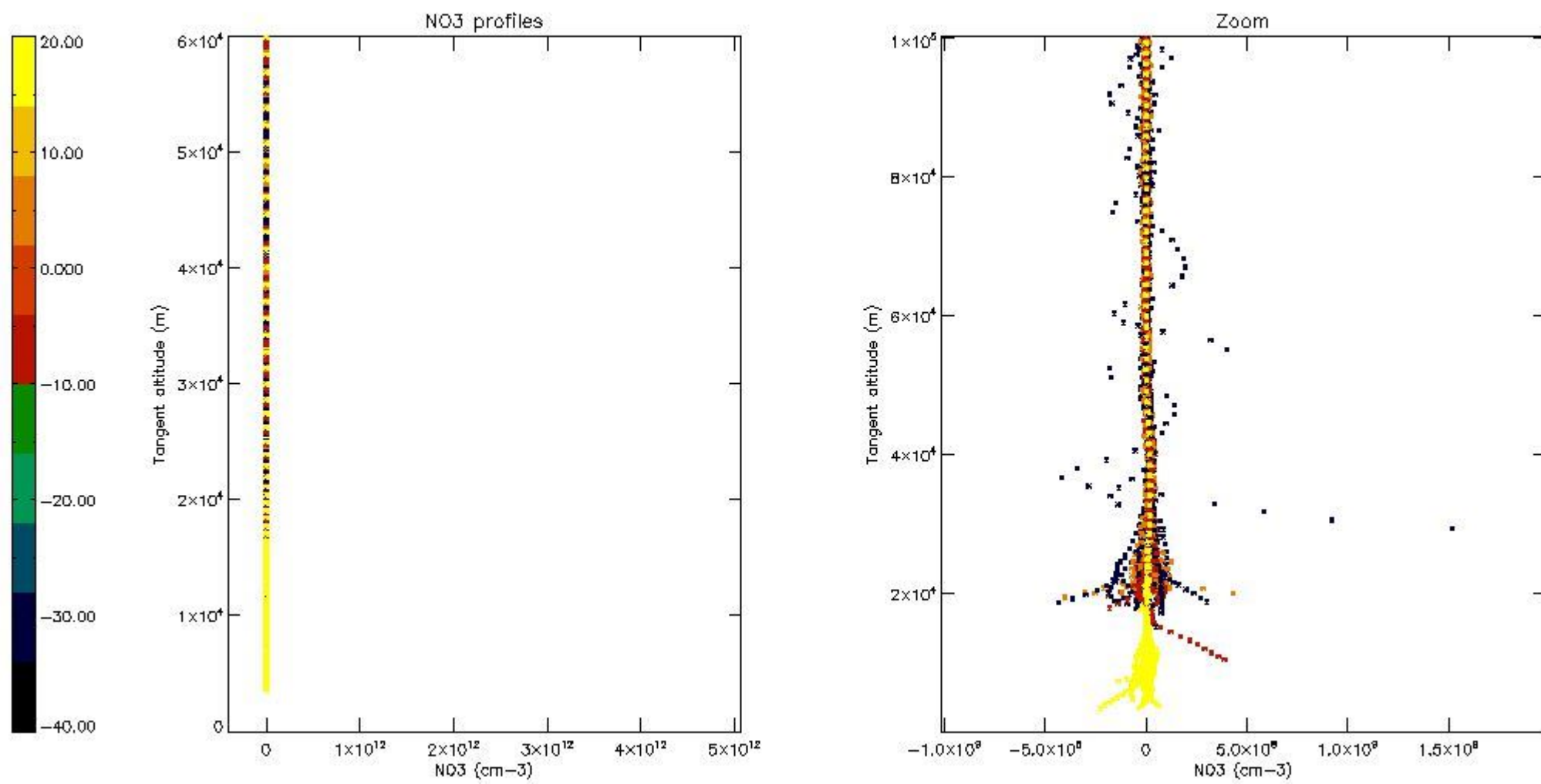
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



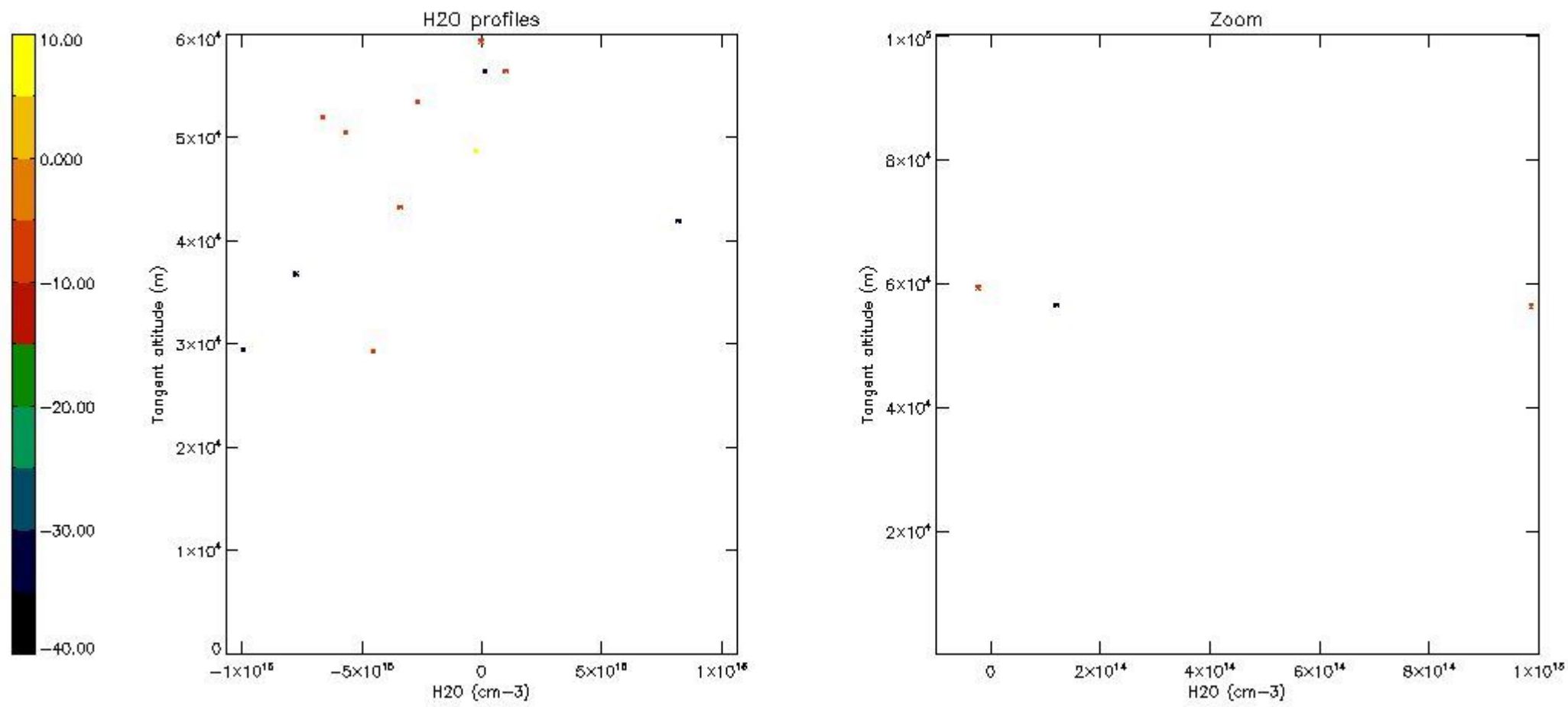
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

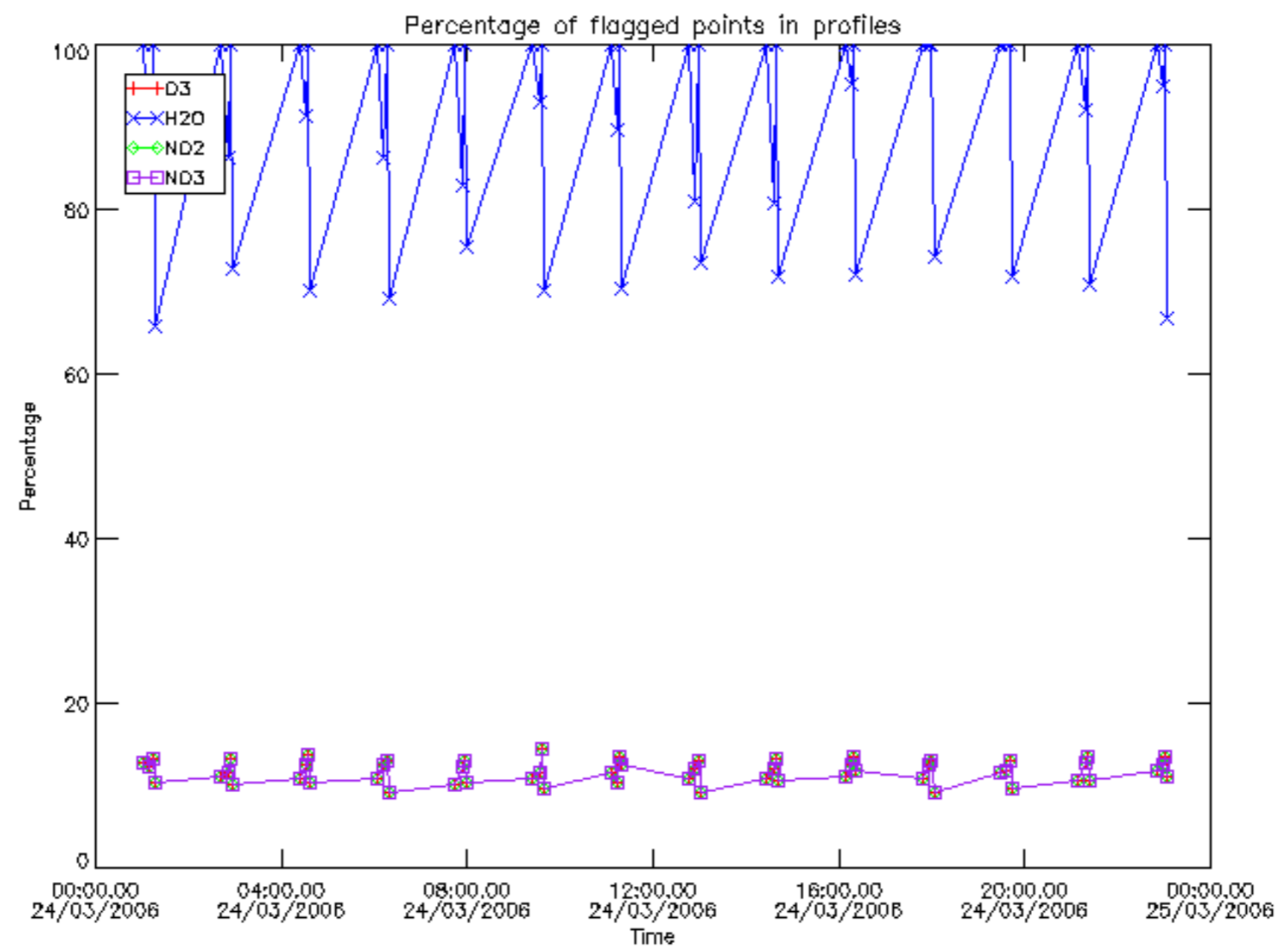
The colorbar represents the latitude.



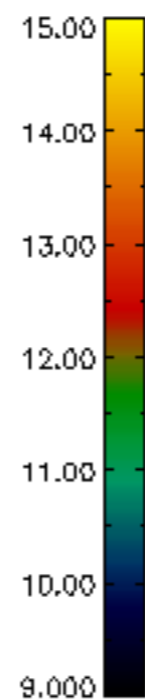
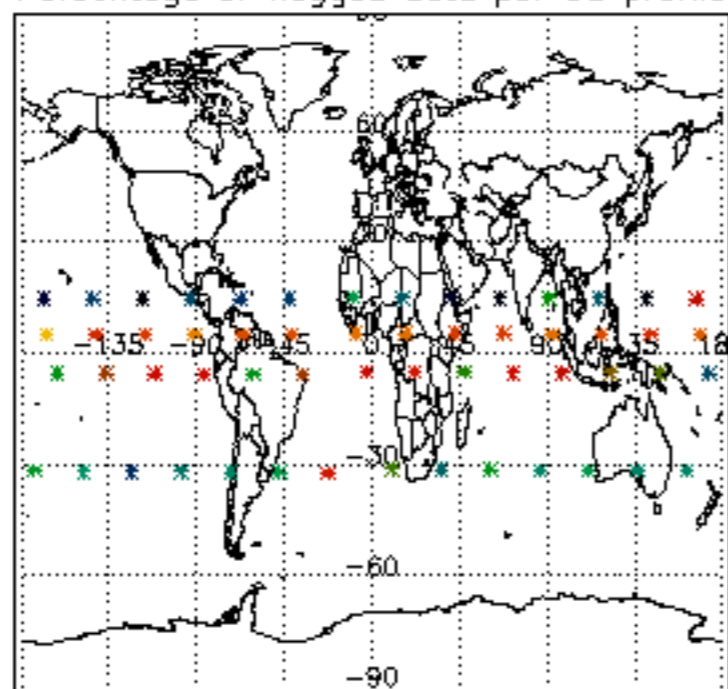
6. Auxiliary Data Files used for the production reported in section 2

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.

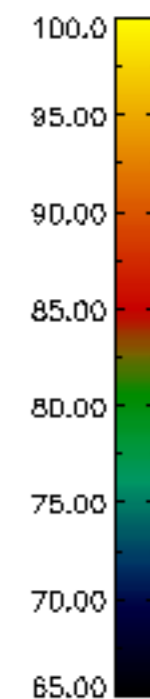
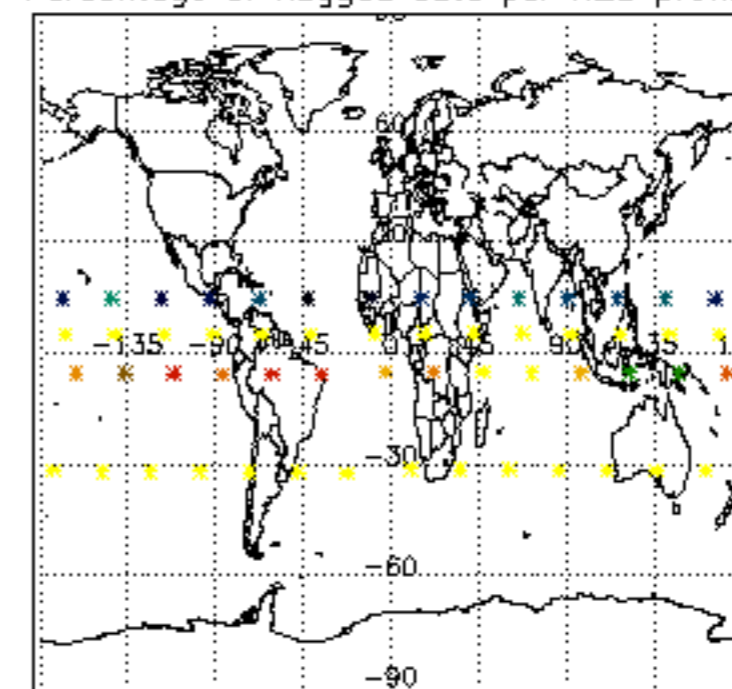
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	24-MAR-2006 00:02:03
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	24-MAR-2006 00:02:03
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	24-MAR-2006 00:02:03



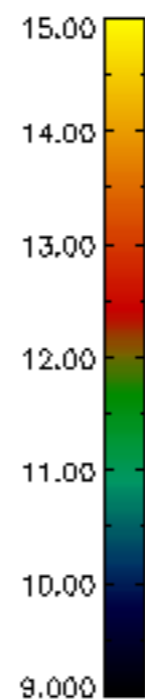
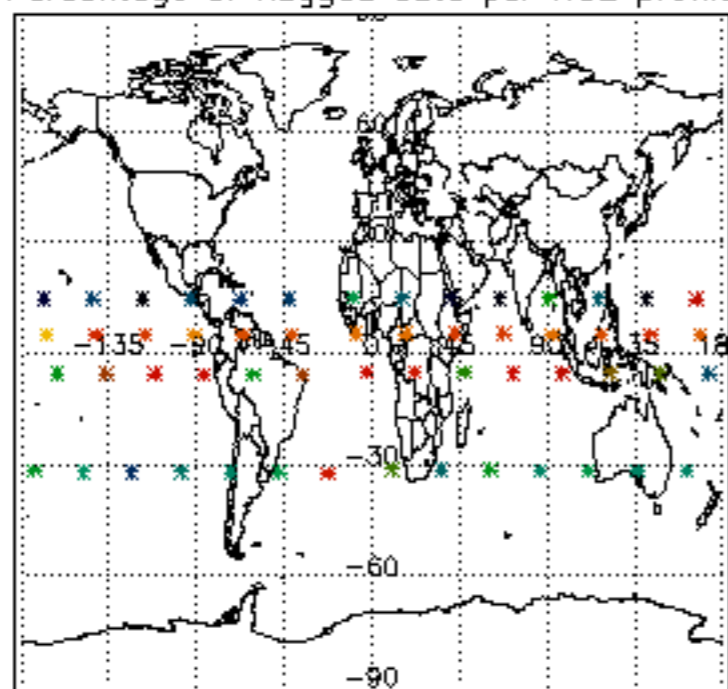
Percentage of flagged data per D3 profile



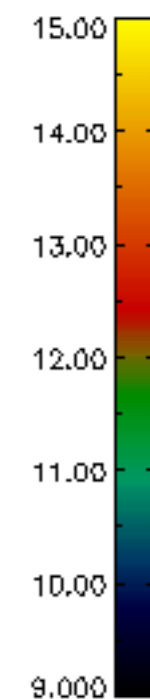
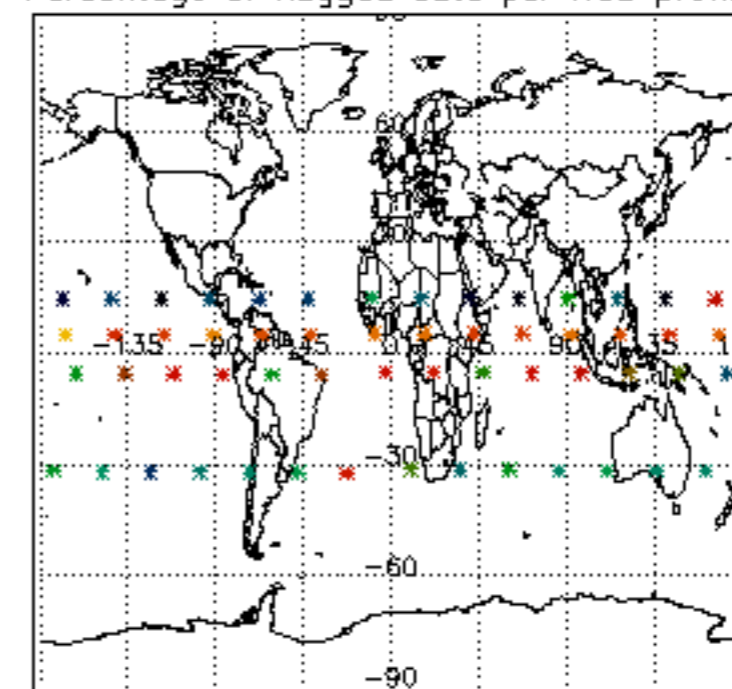
Percentage of flagged data per H2O profile

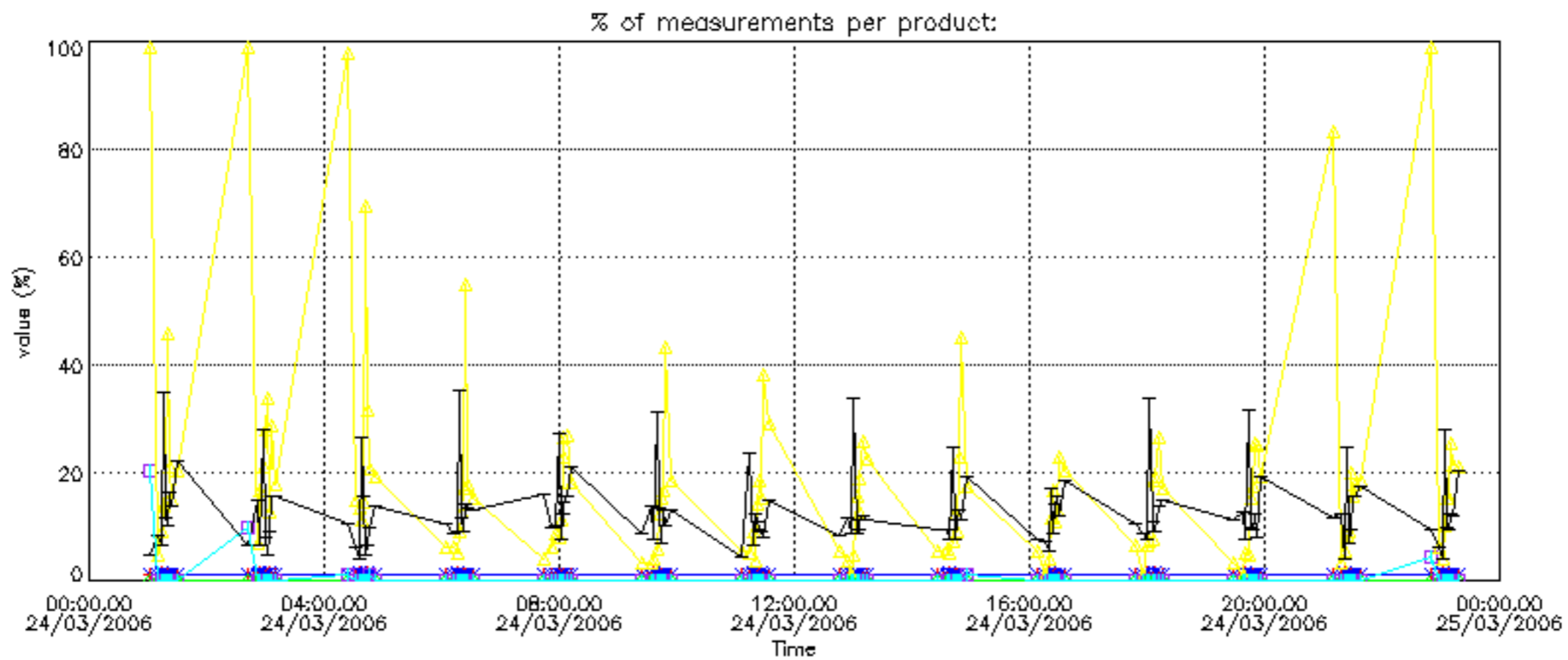


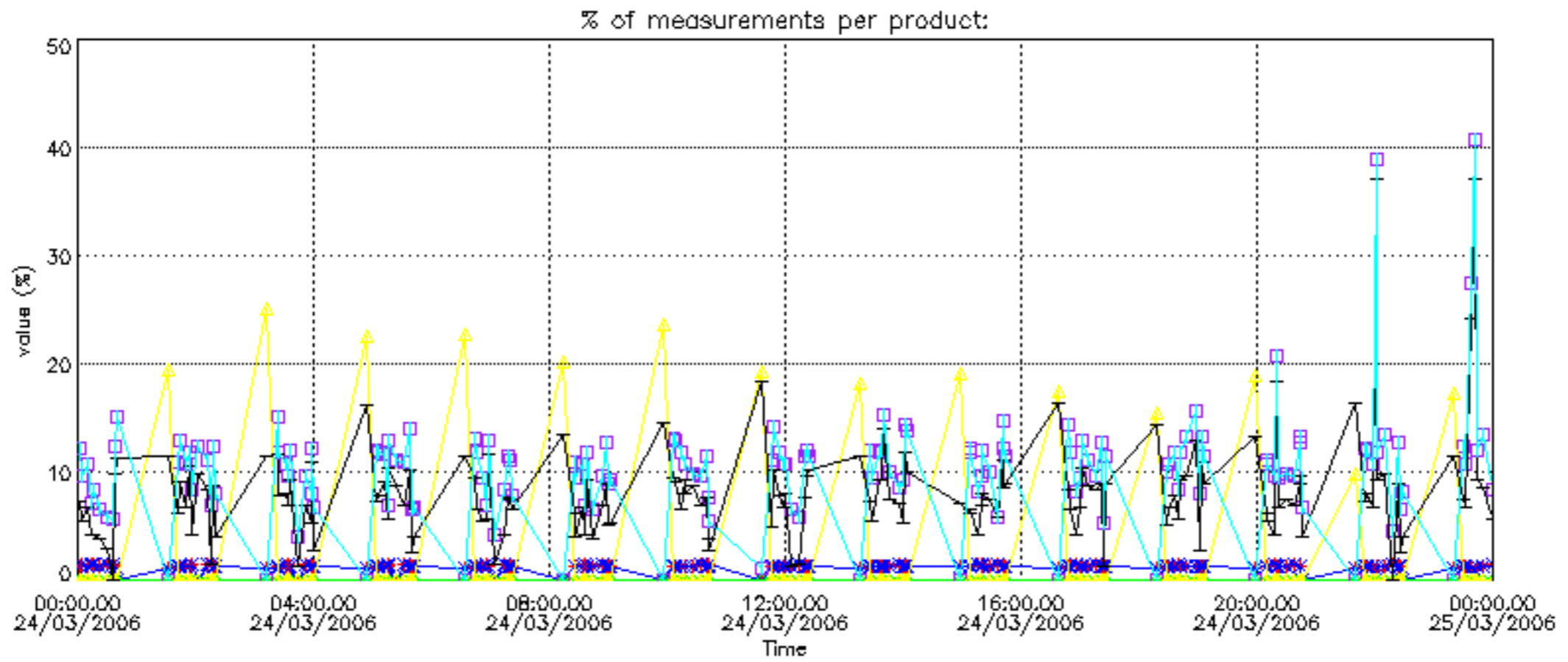
Percentage of flagged data per NO2 profile



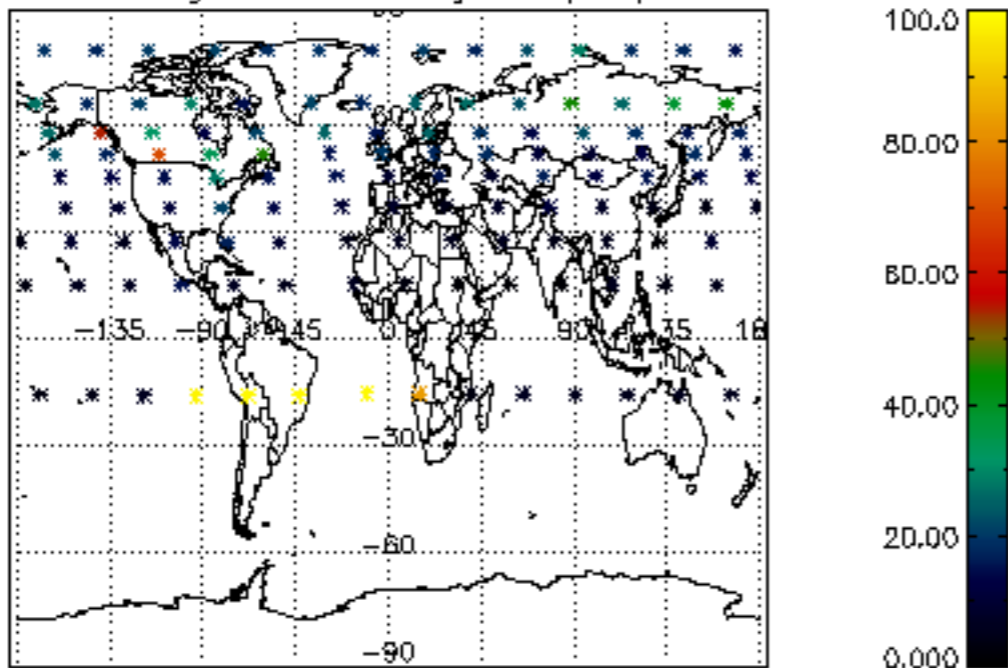
Percentage of flagged data per NO3 profile



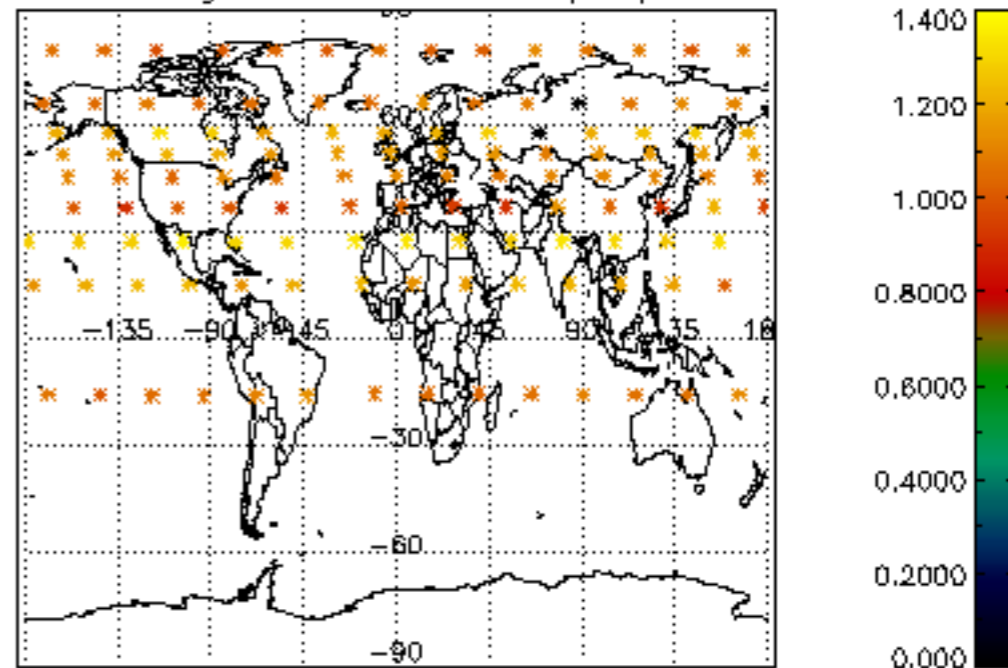




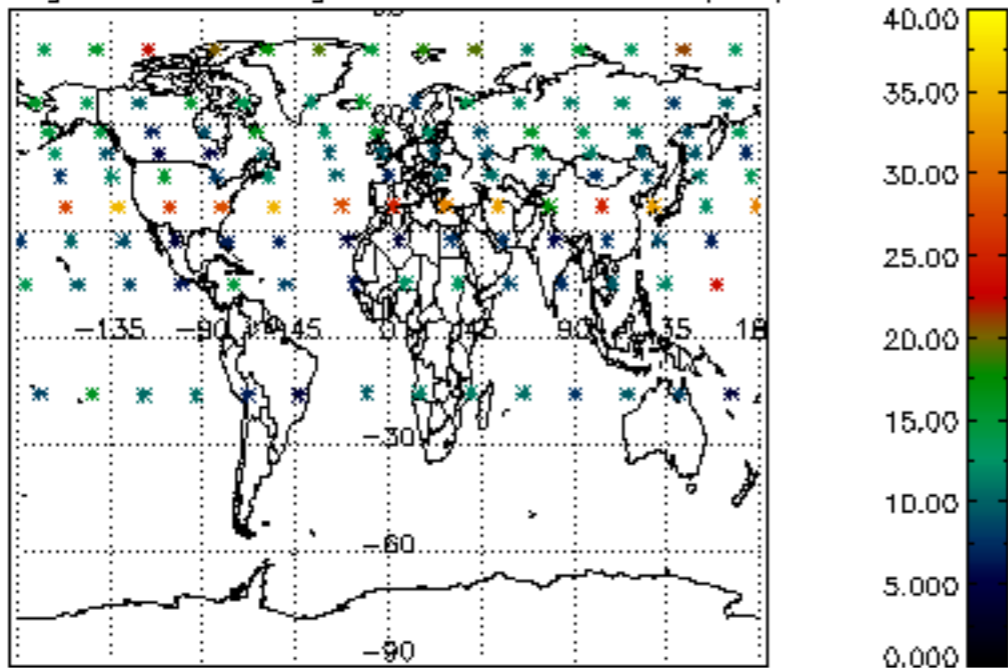
Percentage of cosmic ray hits per profile



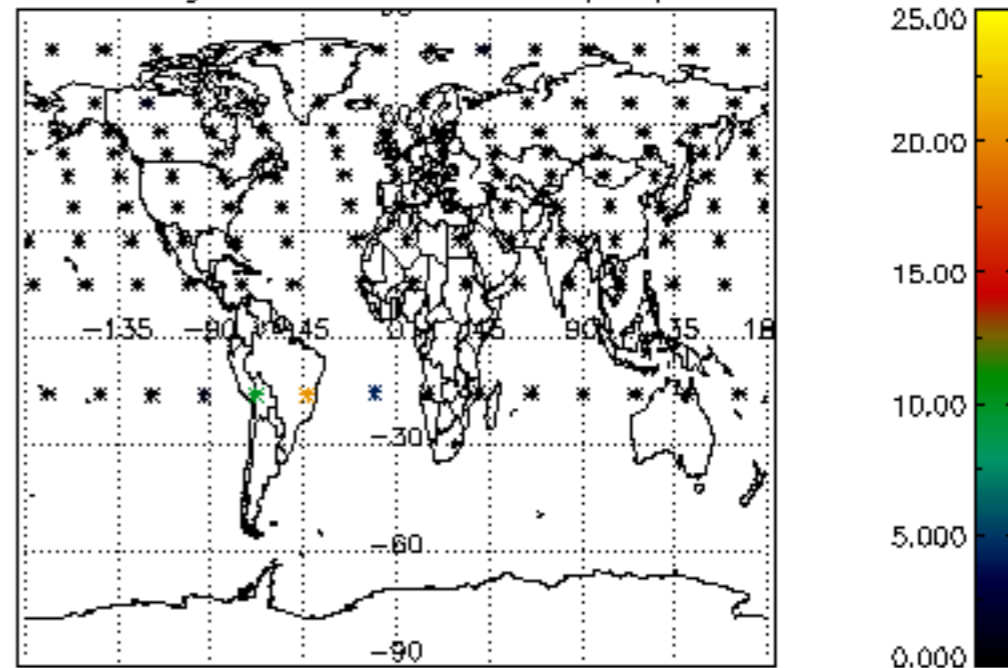
Percentage of datation errors per profile



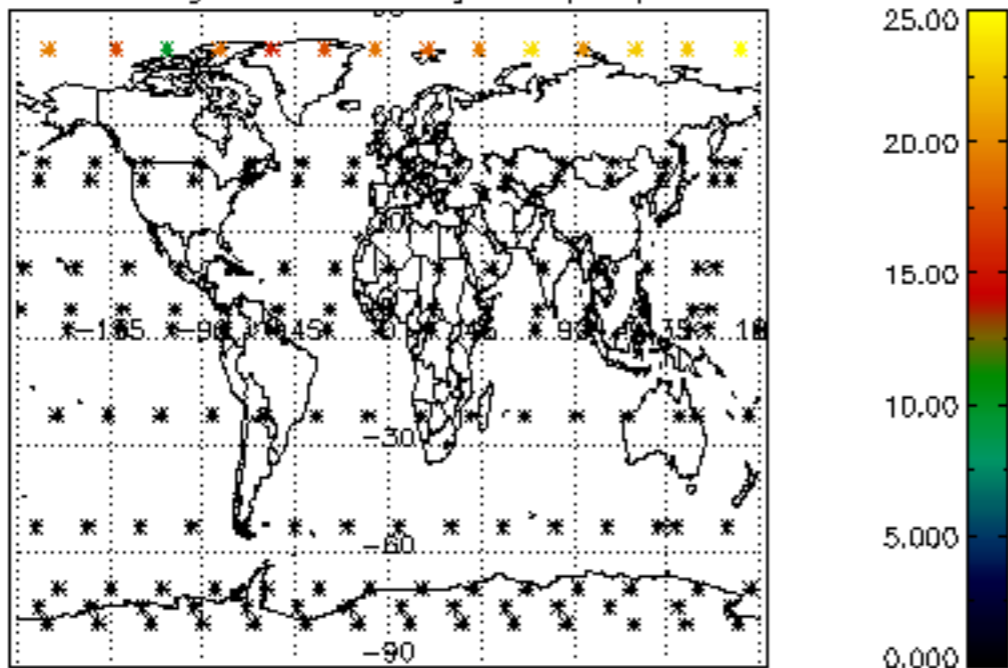
Percentage of star falling outside central band per profile



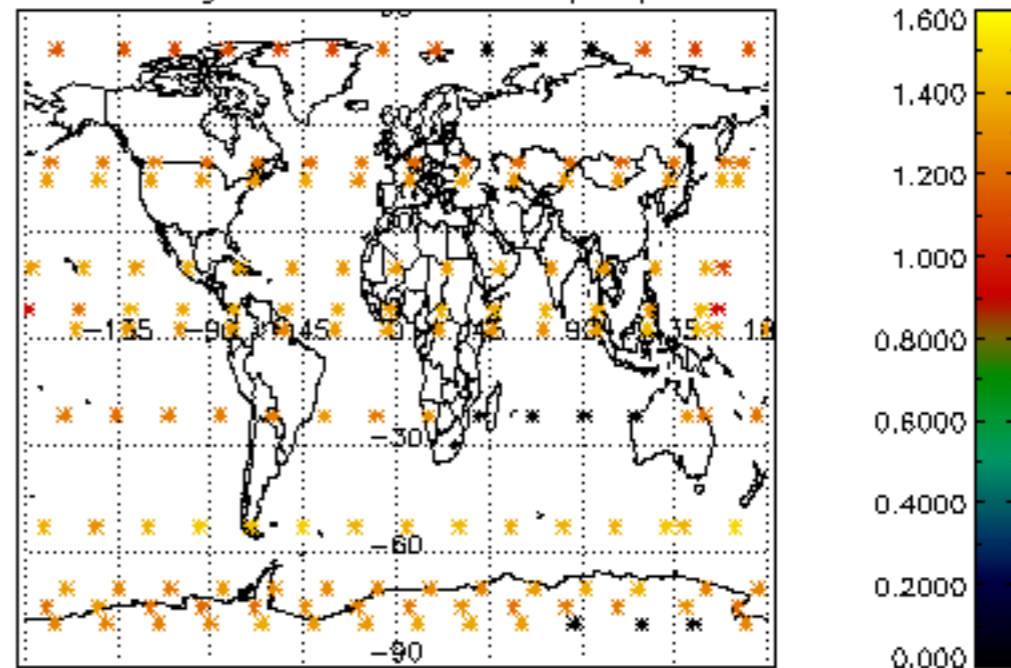
Percentage of saturation errors per profile



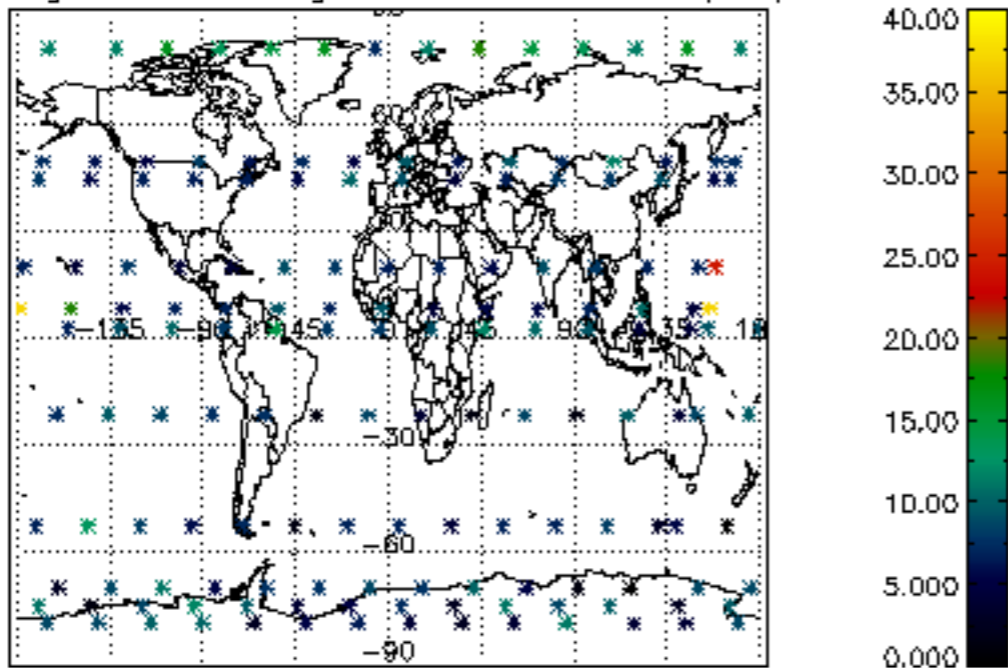
Percentage of cosmic ray hits per profile



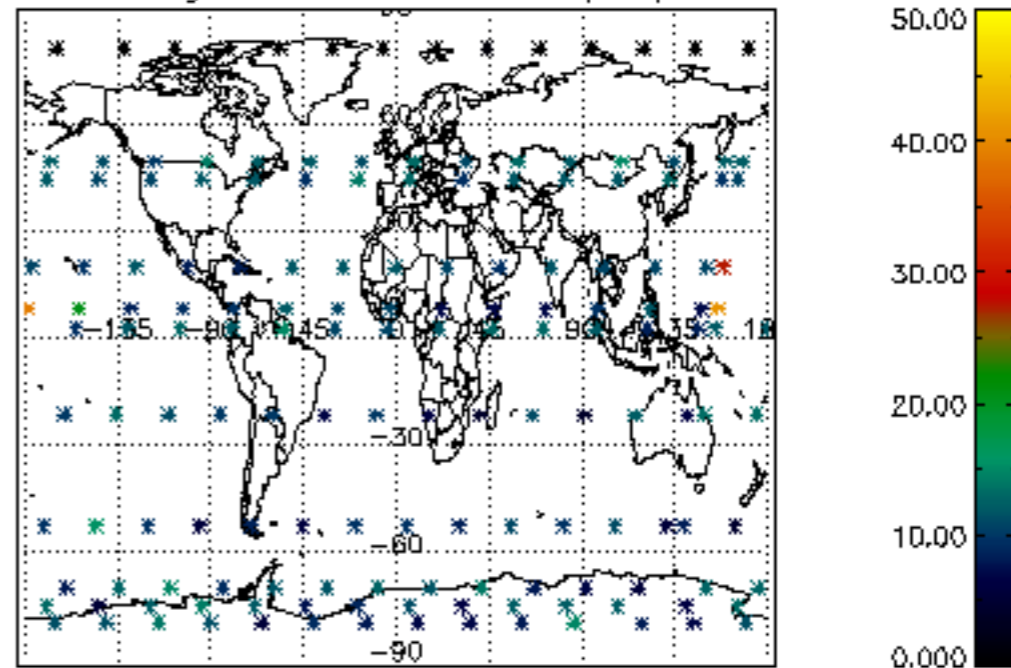
Percentage of datation errors per profile

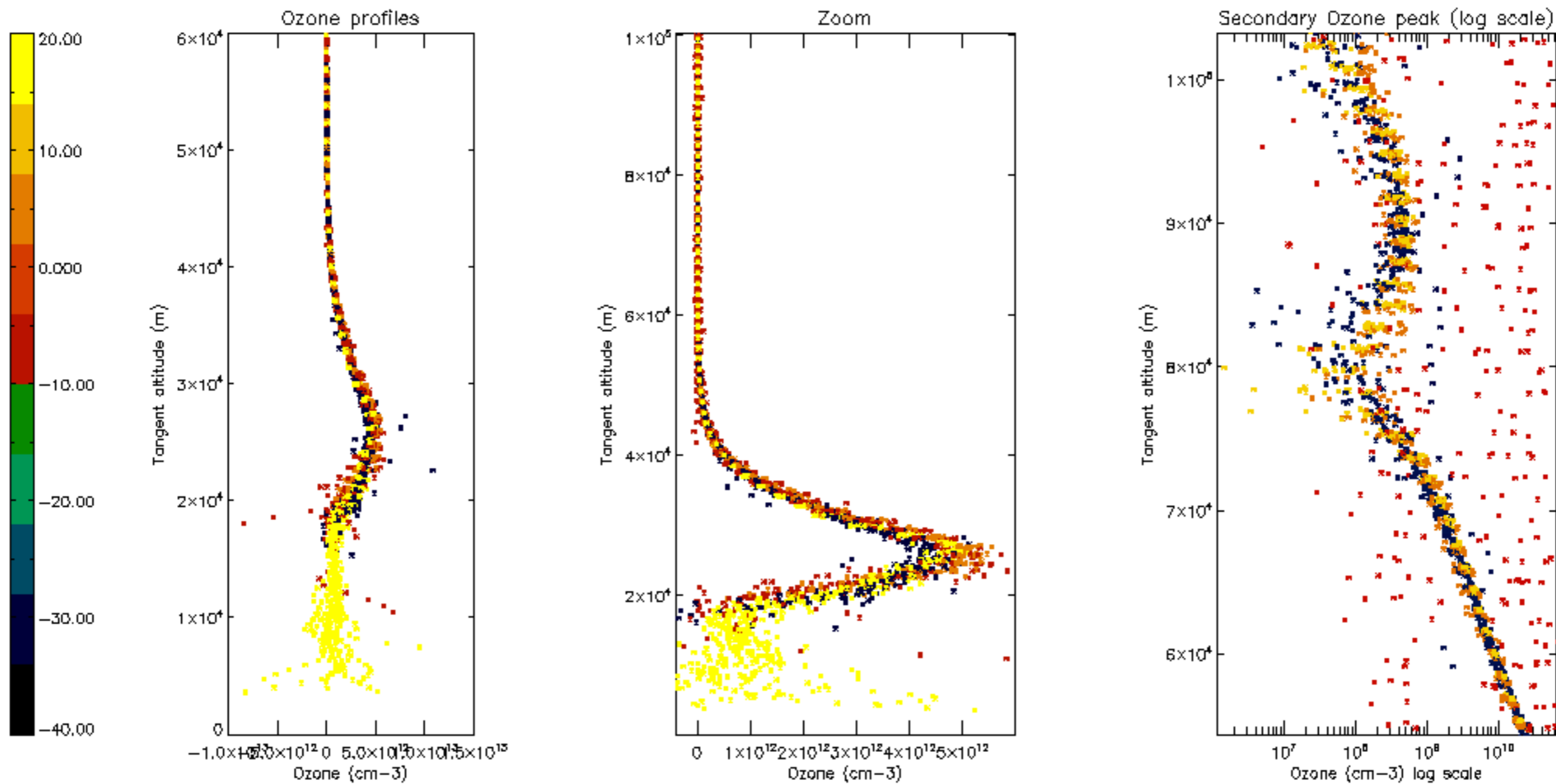


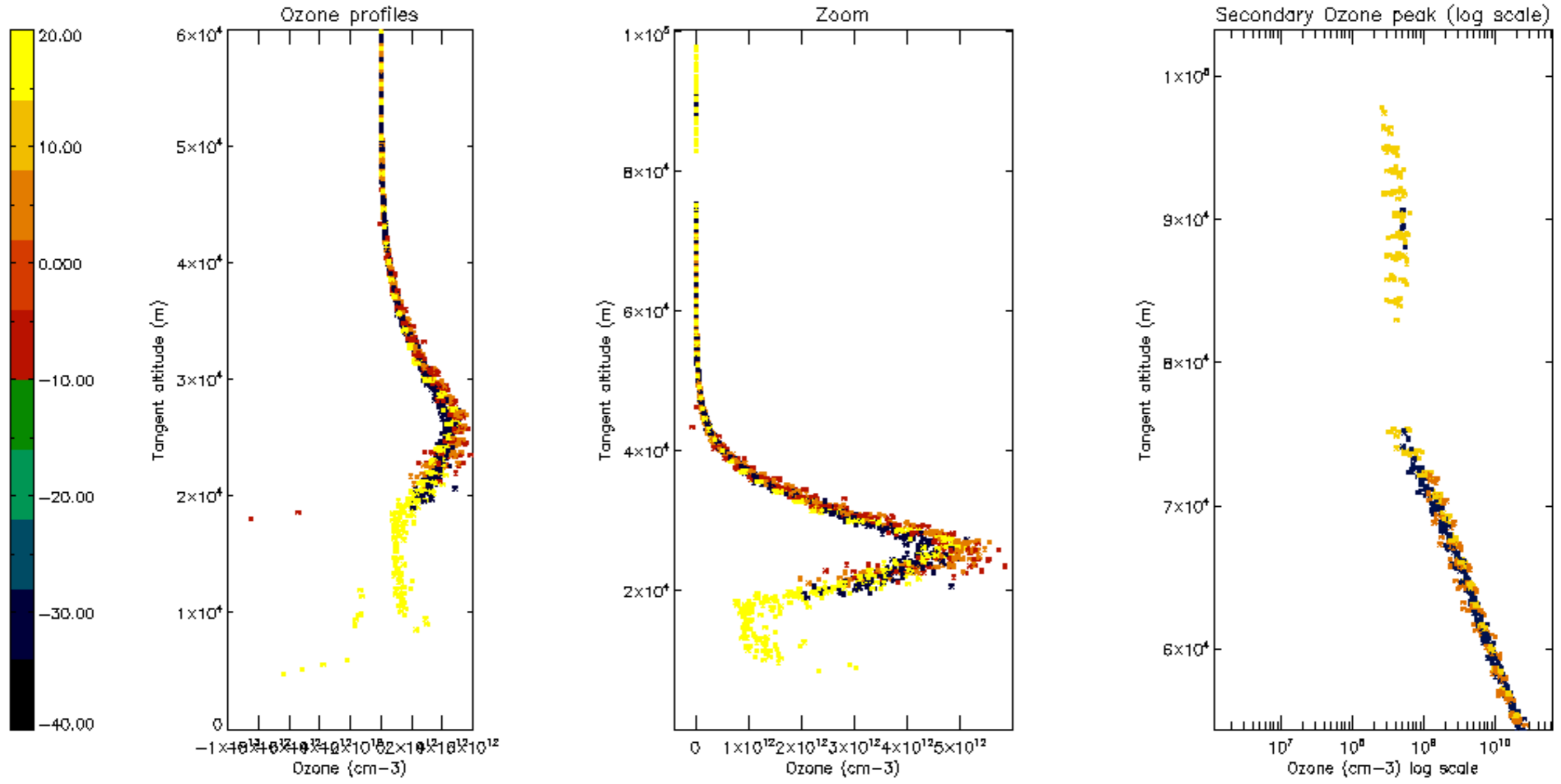
Percentage of star falling outside central band per profile

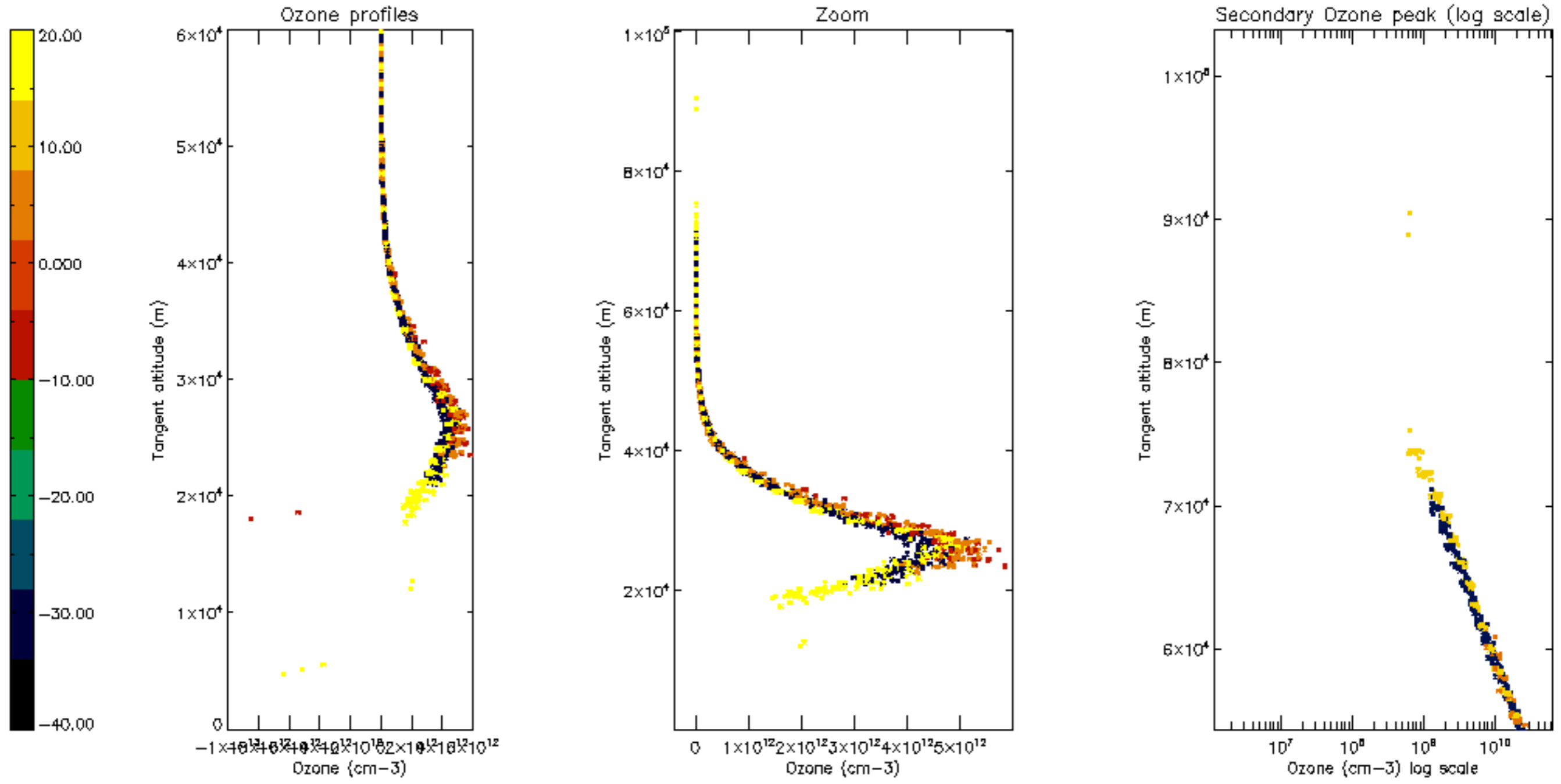


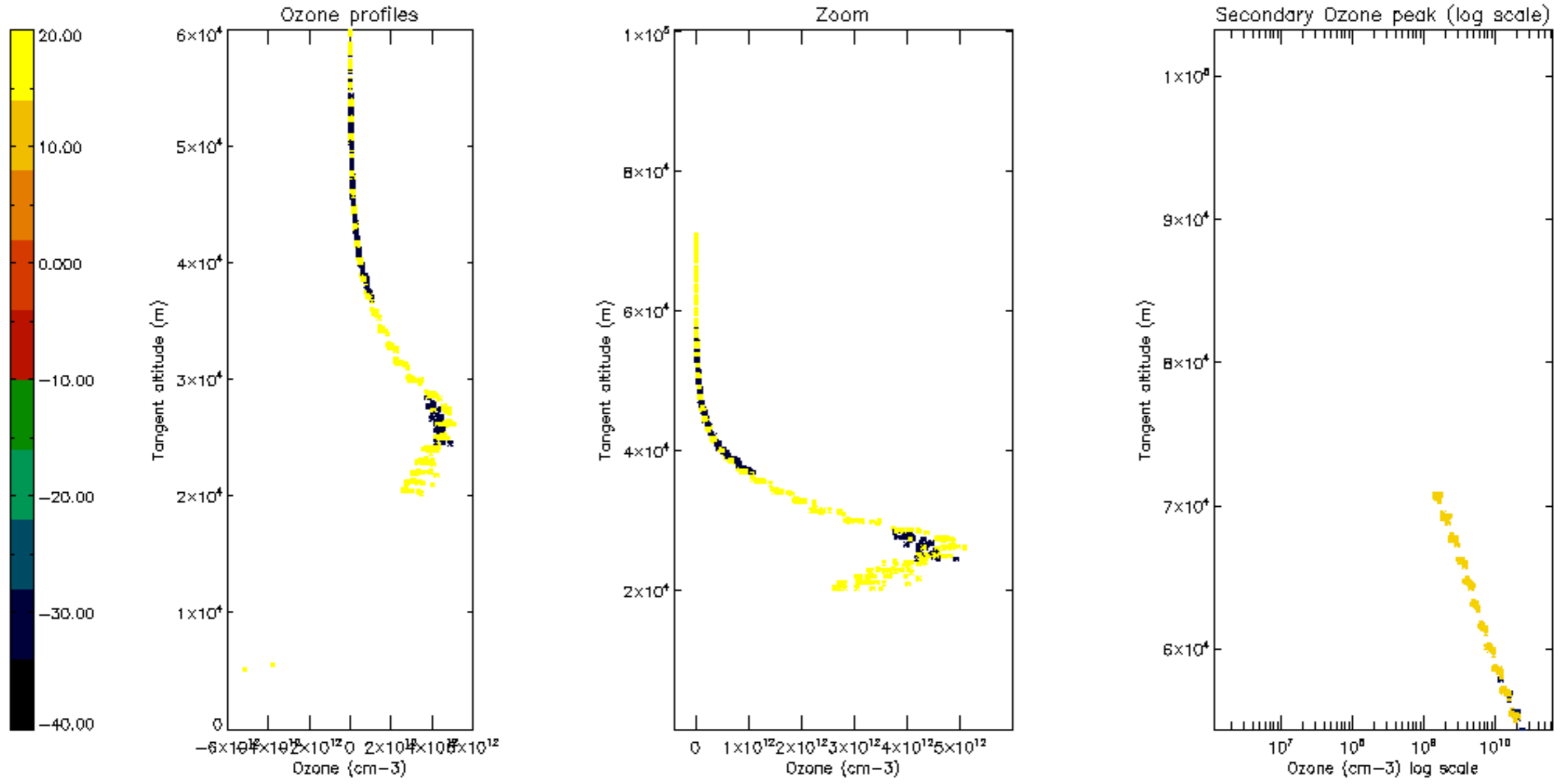
Percentage of saturation errors per profile

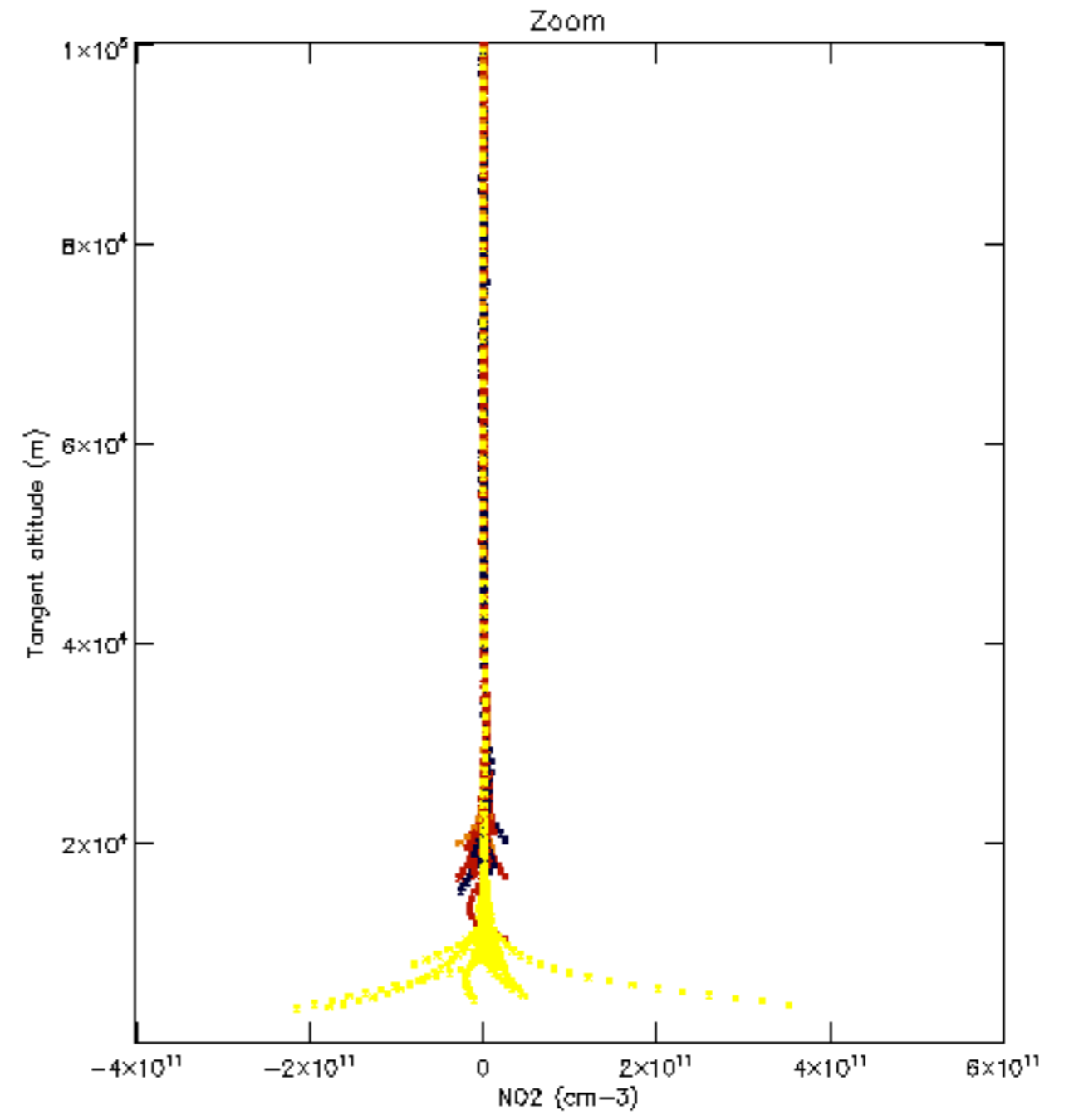
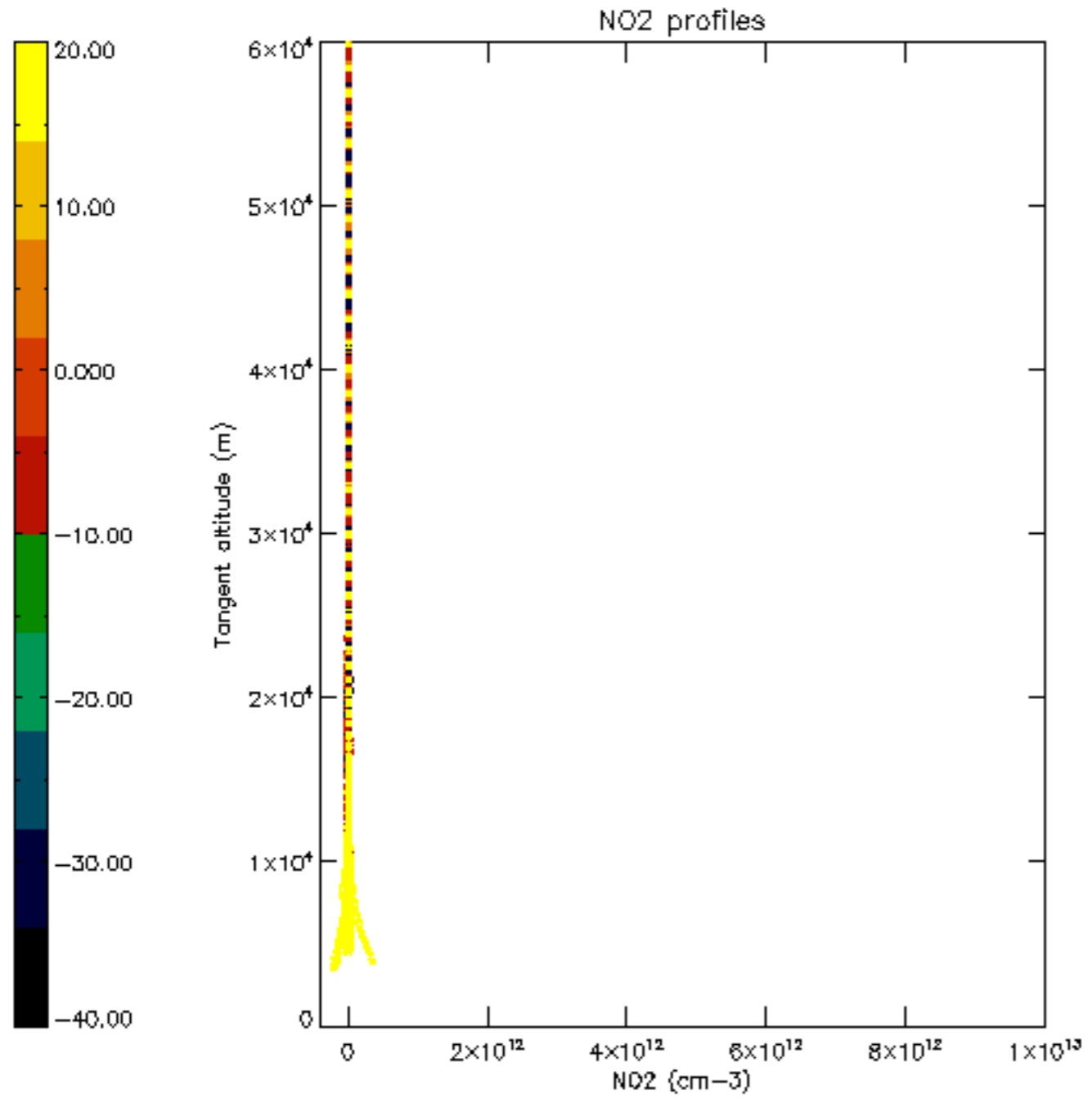


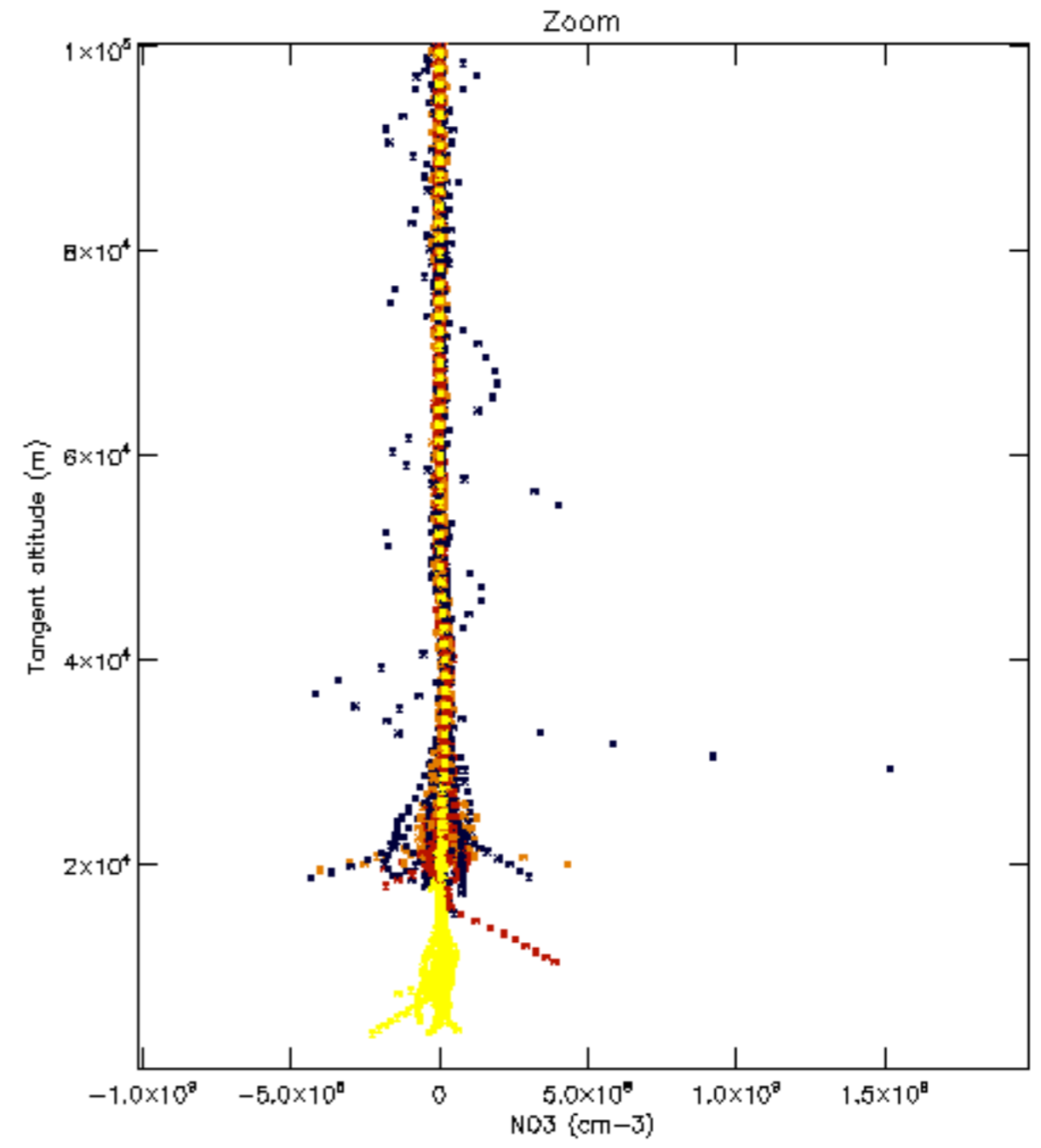
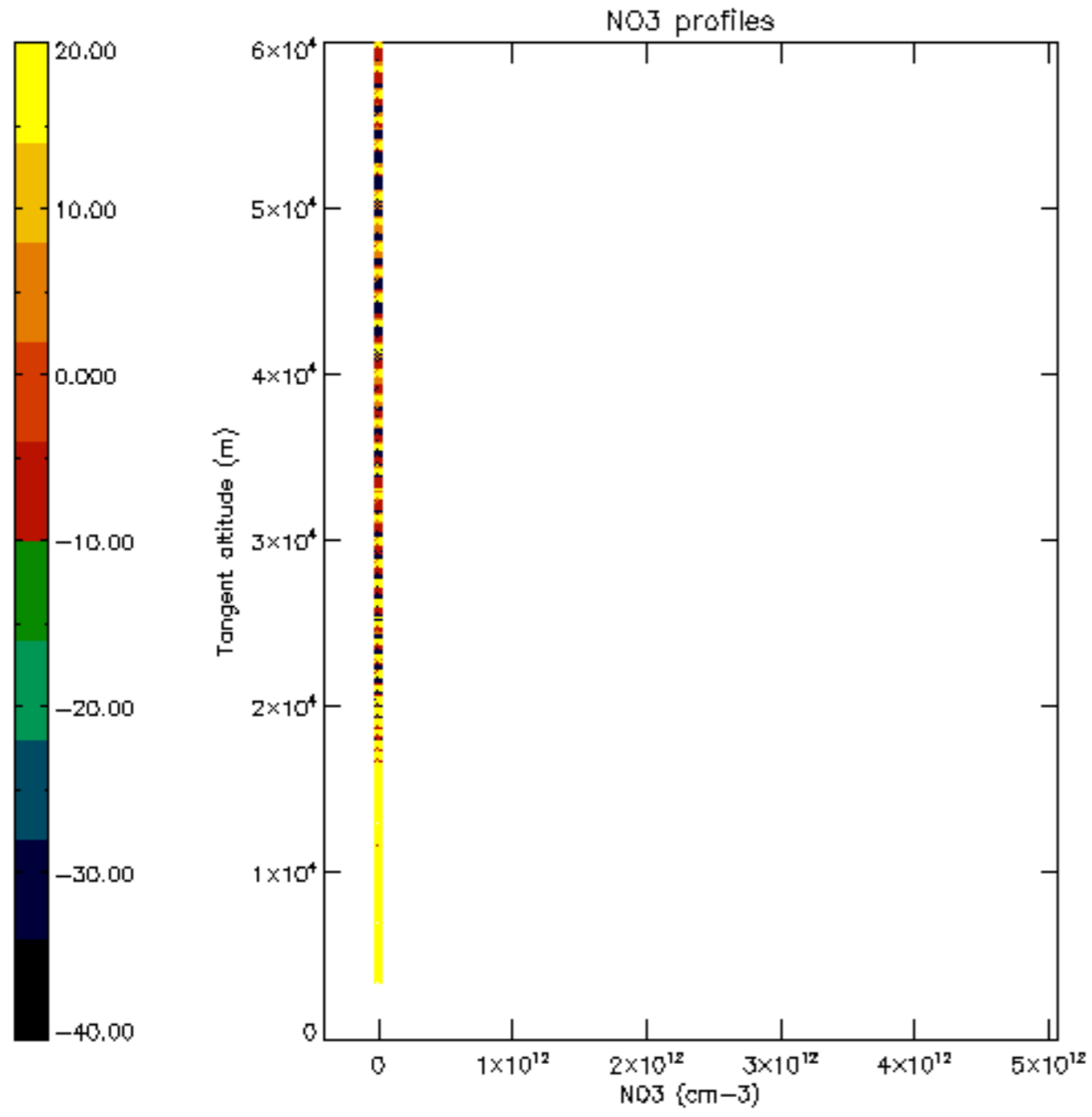


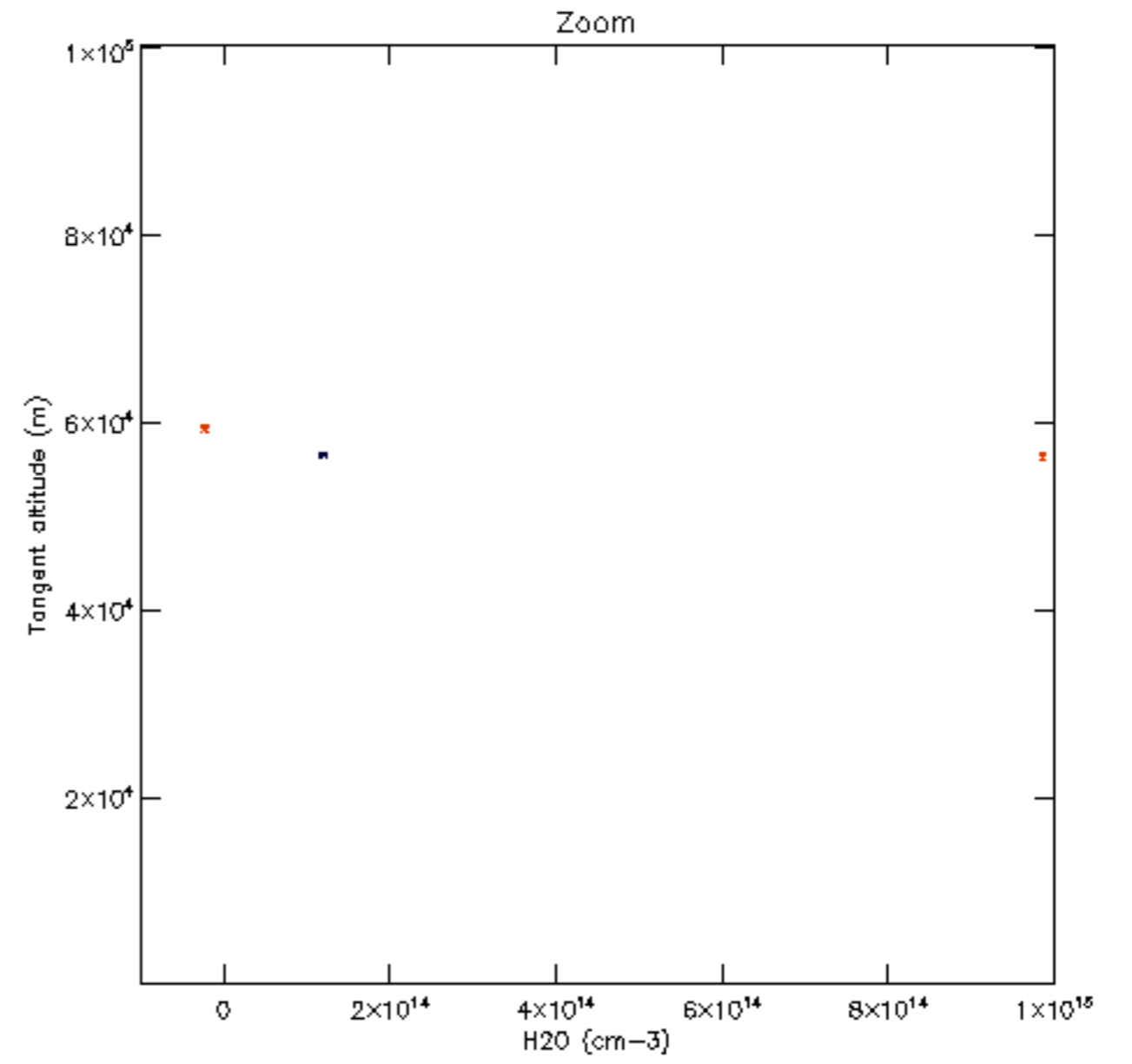
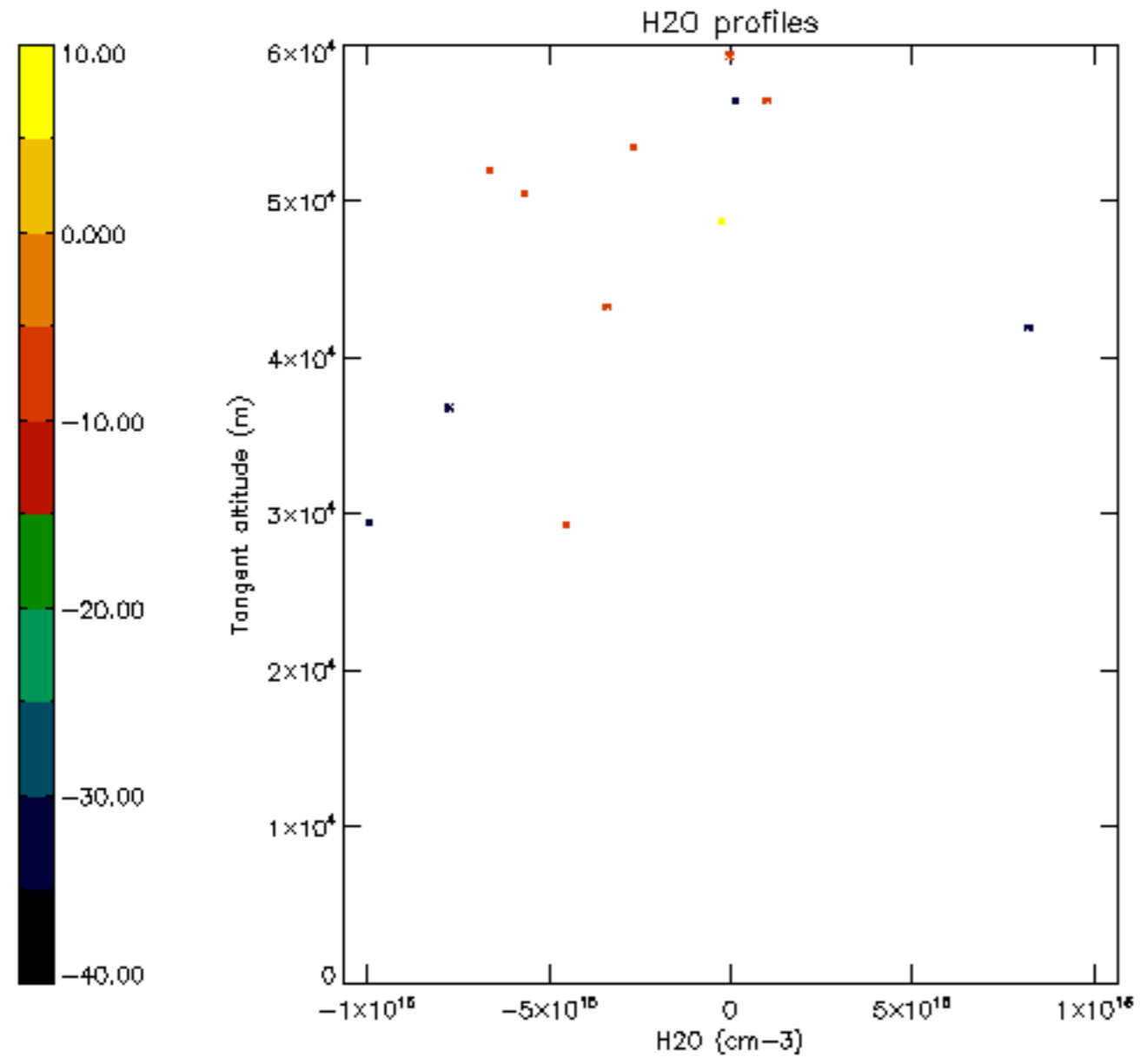


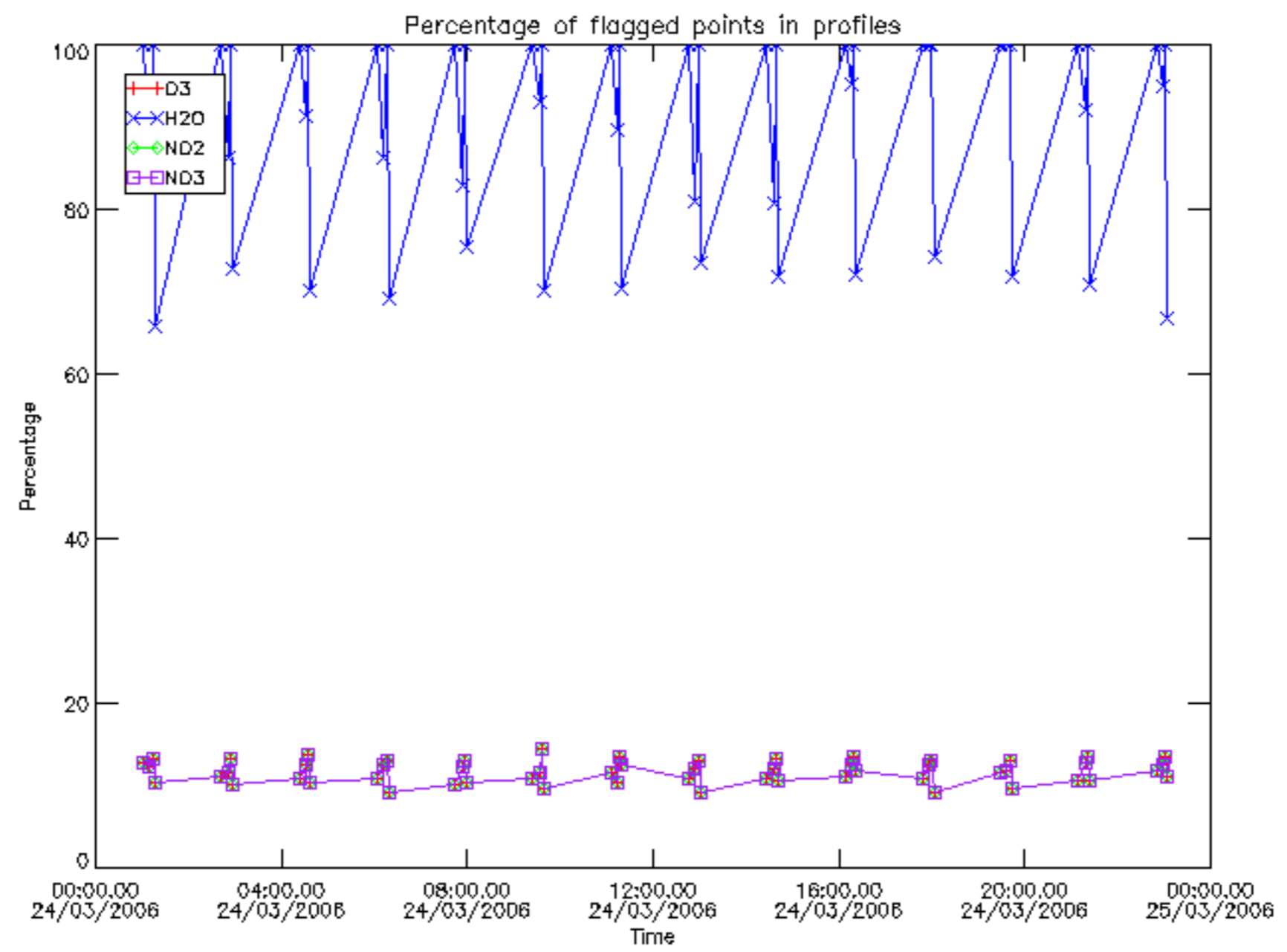




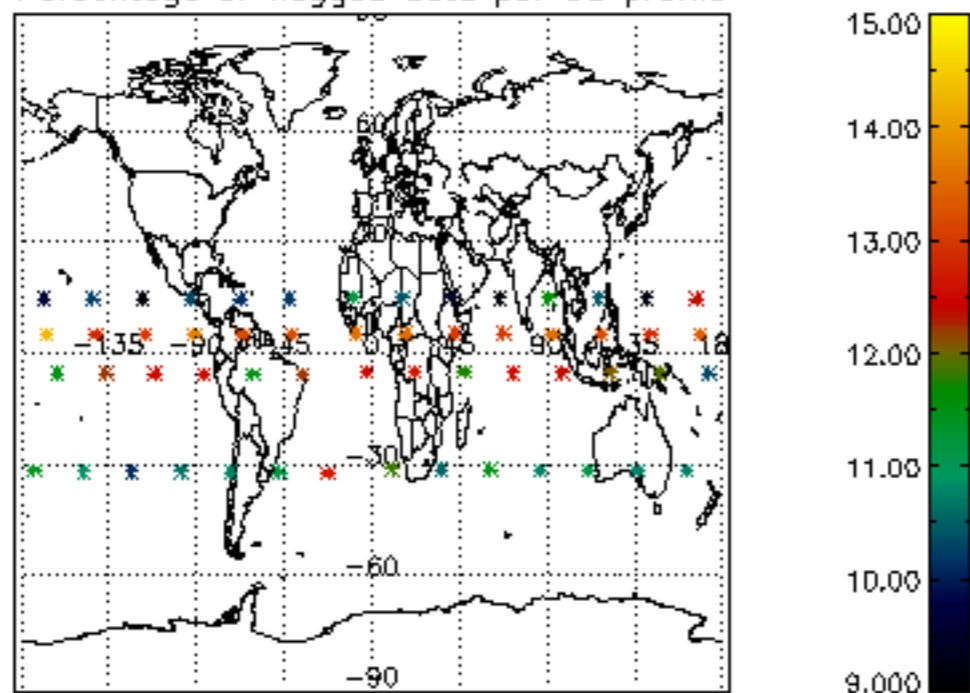




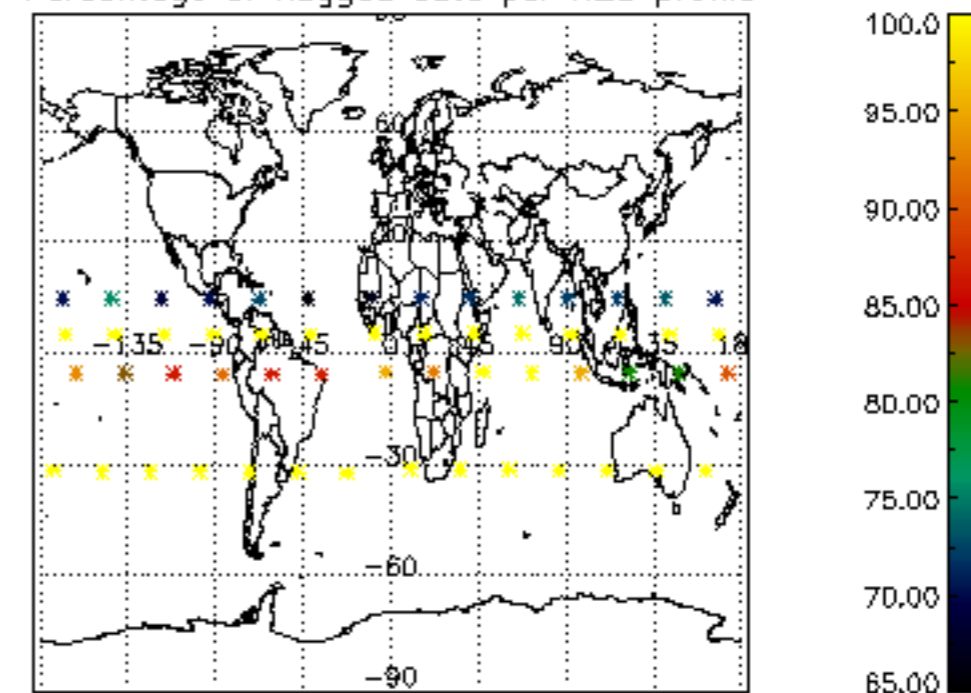




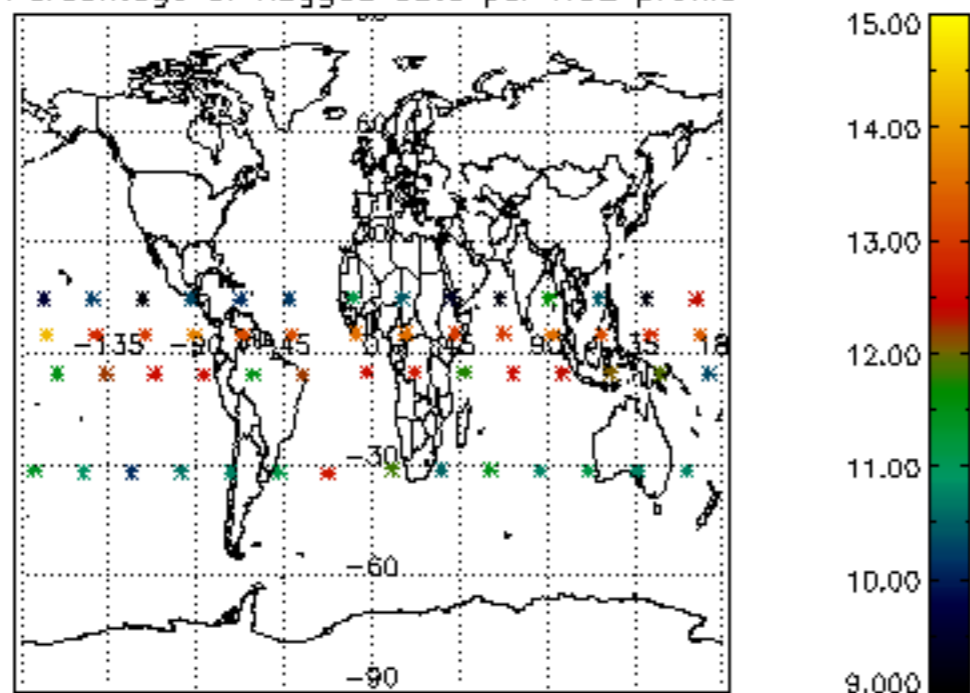
Percentage of flagged data per D3 profile



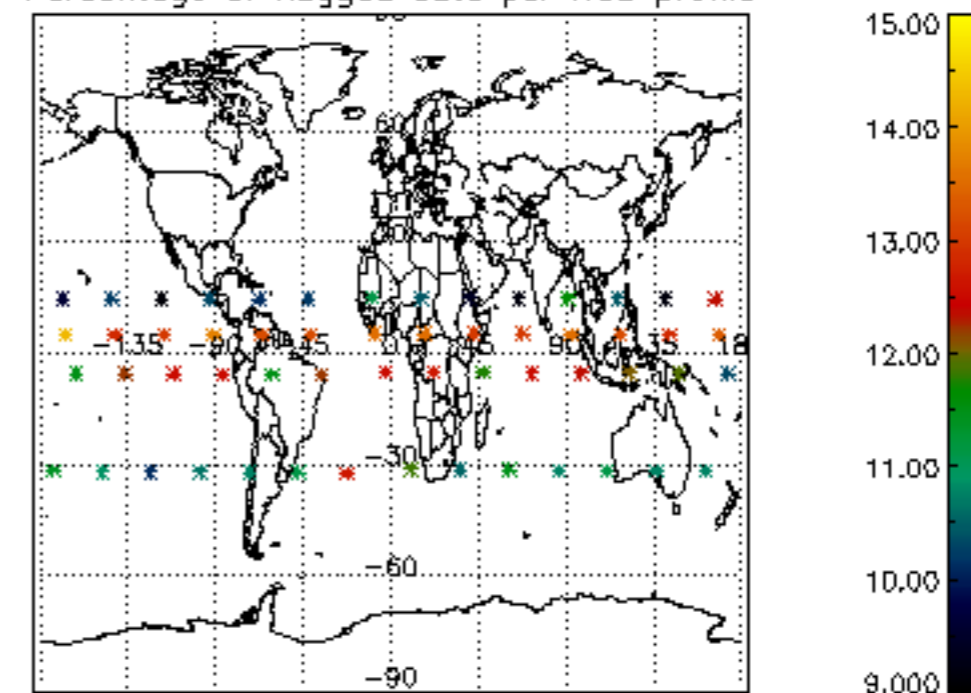
Percentage of flagged data per H2O profile

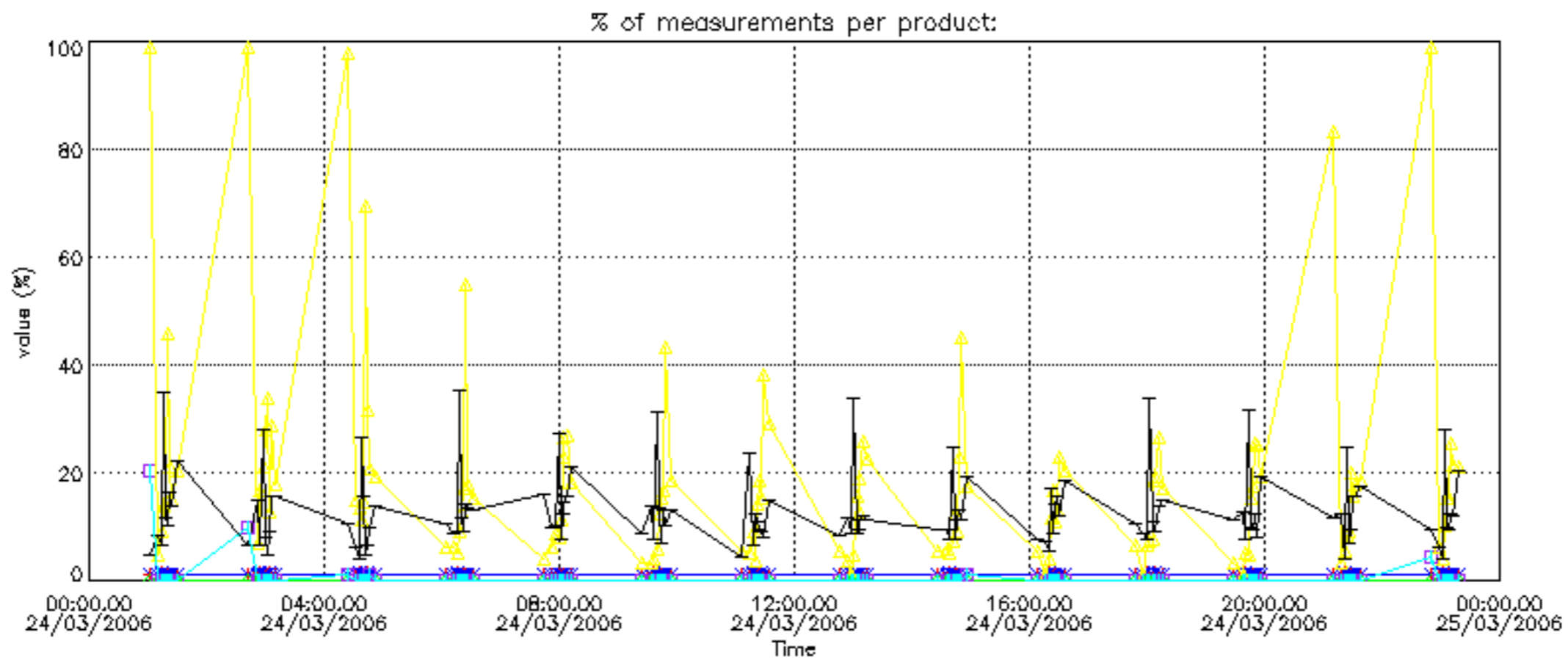


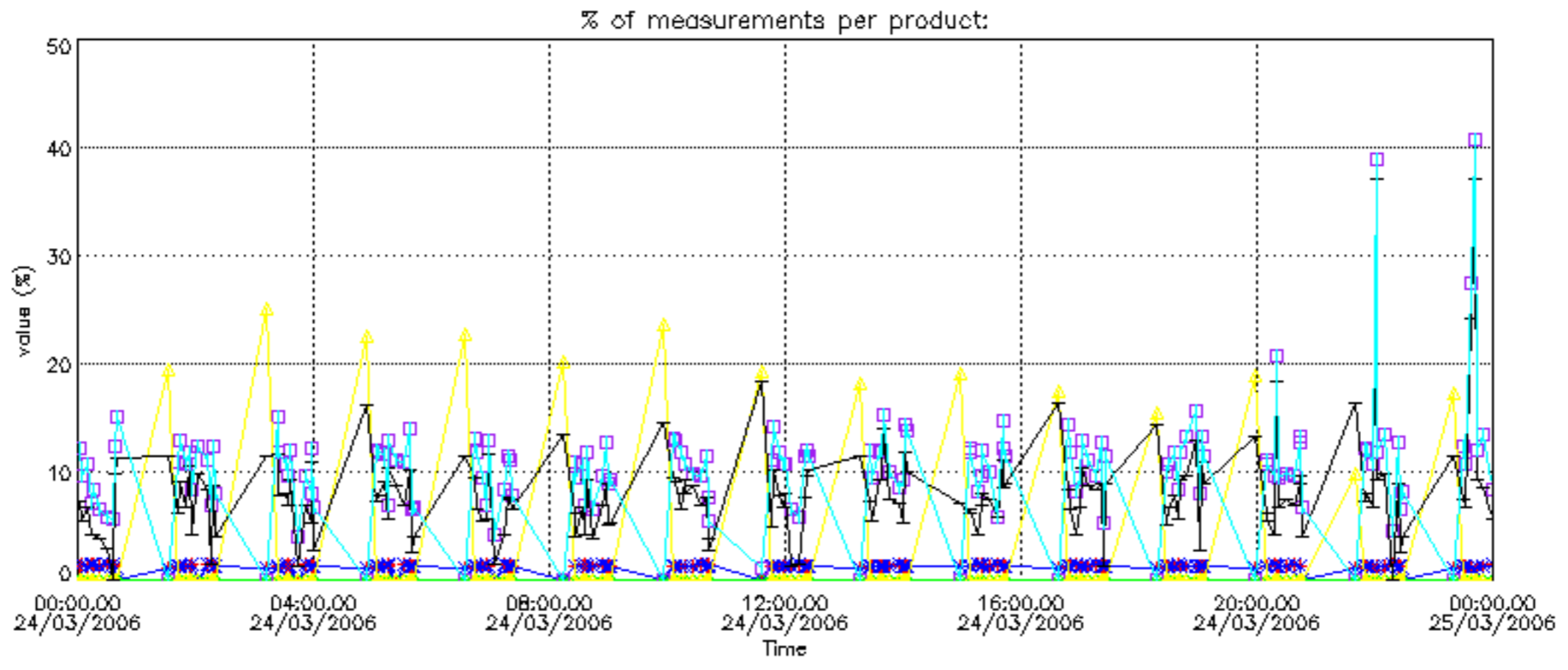
Percentage of flagged data per NO2 profile



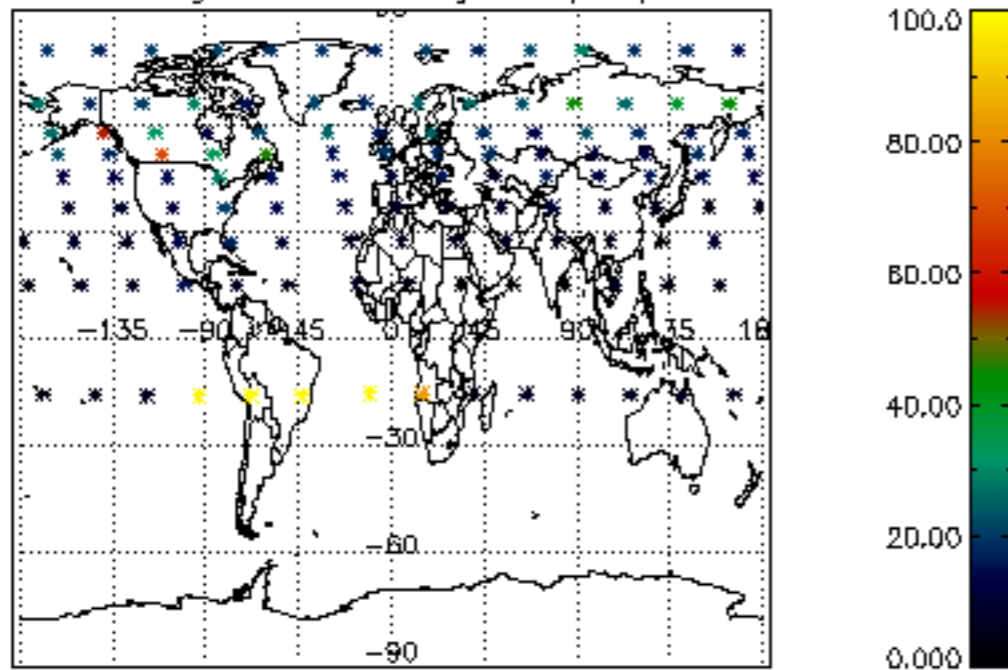
Percentage of flagged data per NO3 profile



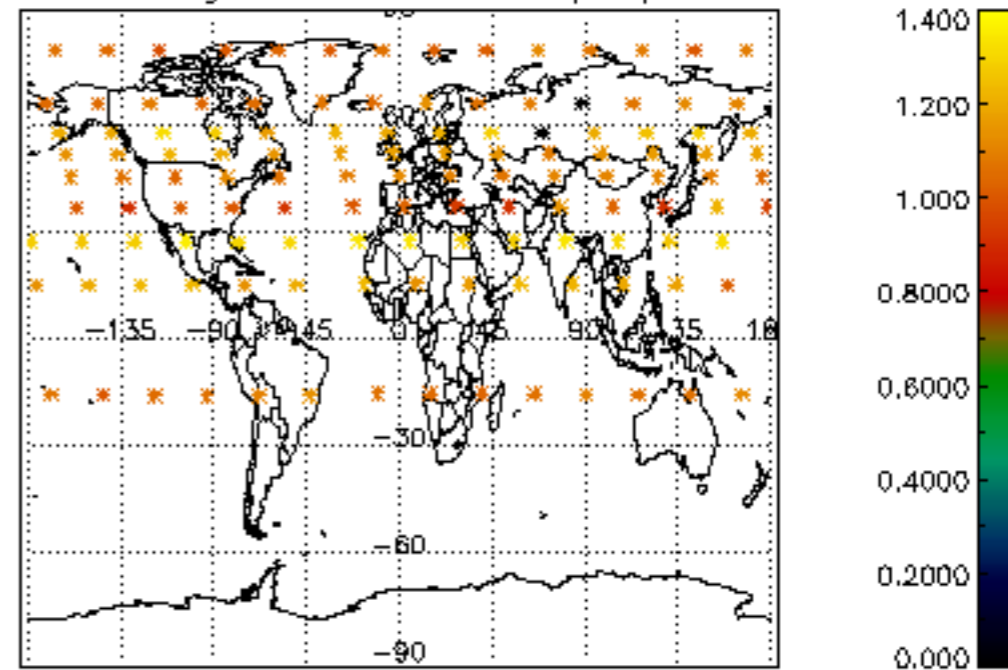




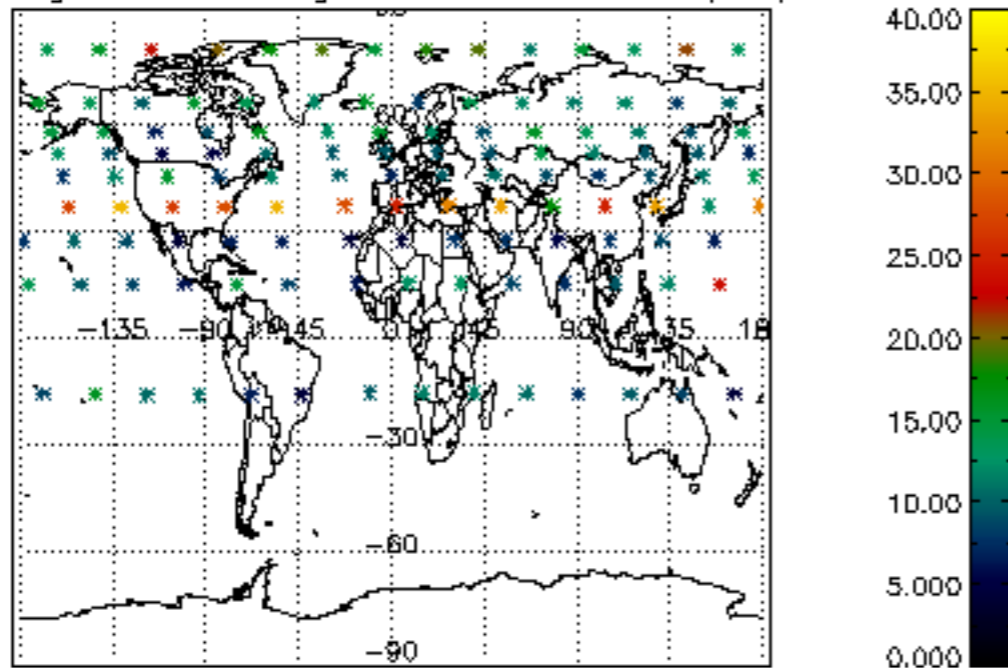
Percentage of cosmic ray hits per profile



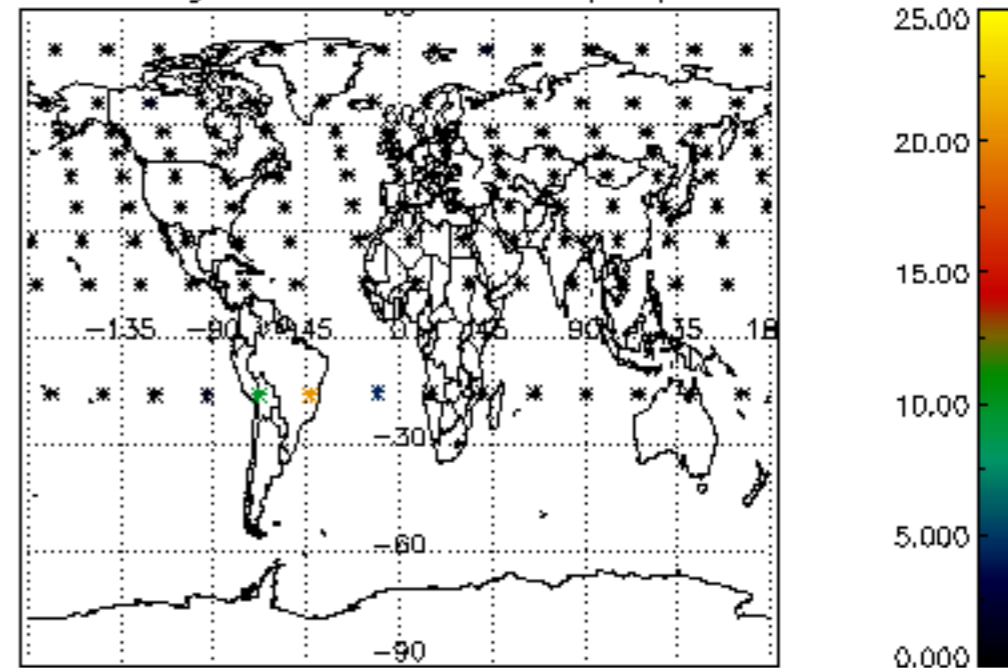
Percentage of datation errors per profile



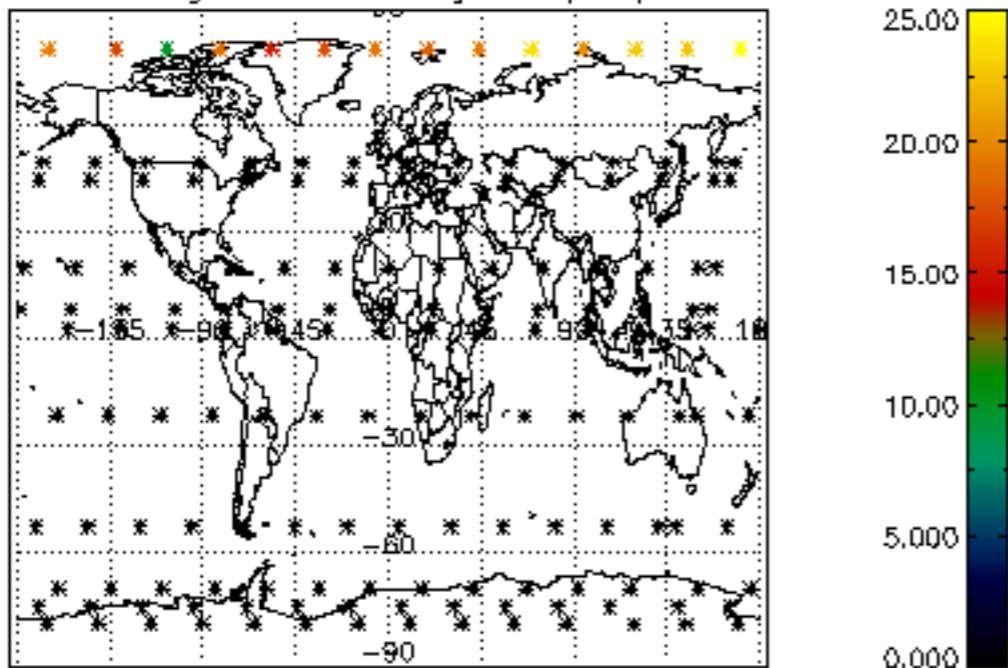
Percentage of star falling outside central band per profile



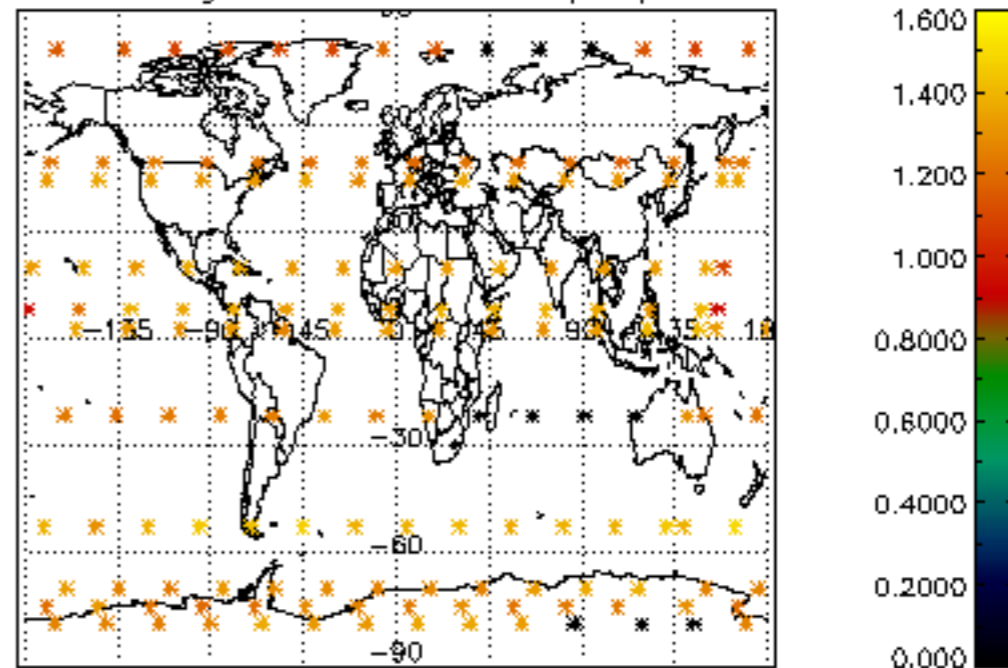
Percentage of saturation errors per profile



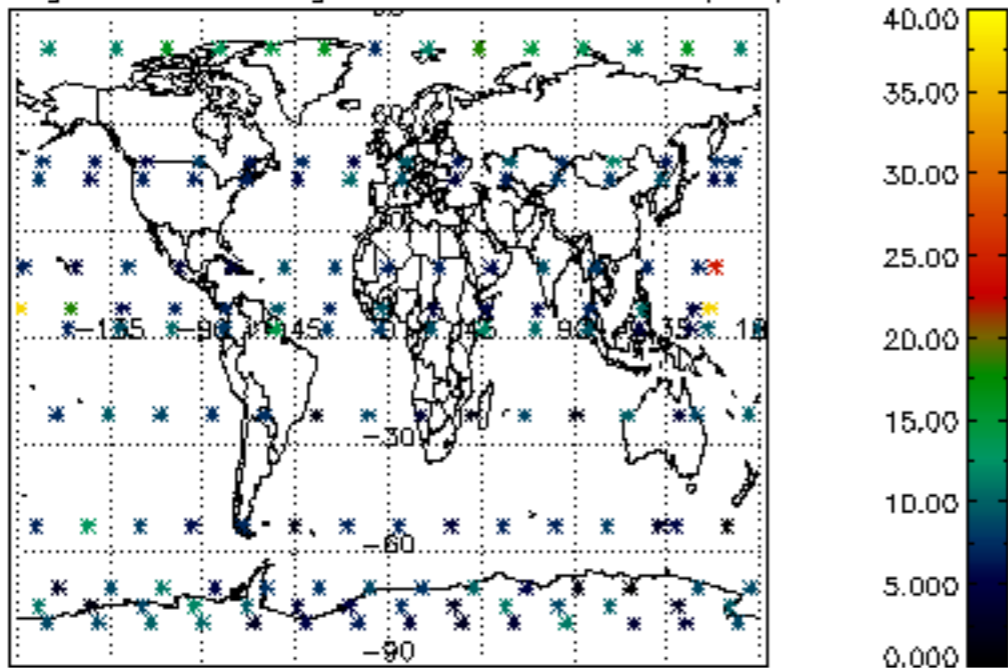
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

