

GOMOS Level 2 Daily Report

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

Item	Value
Time of report generation	18APR2013 14:08:39
Data source version	GOMOS/6.01
Start time of products	25-02-2012 (25FEB2012 00:00:00)
Stop time of products	26-02-2012 (26FEB2012 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	35
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

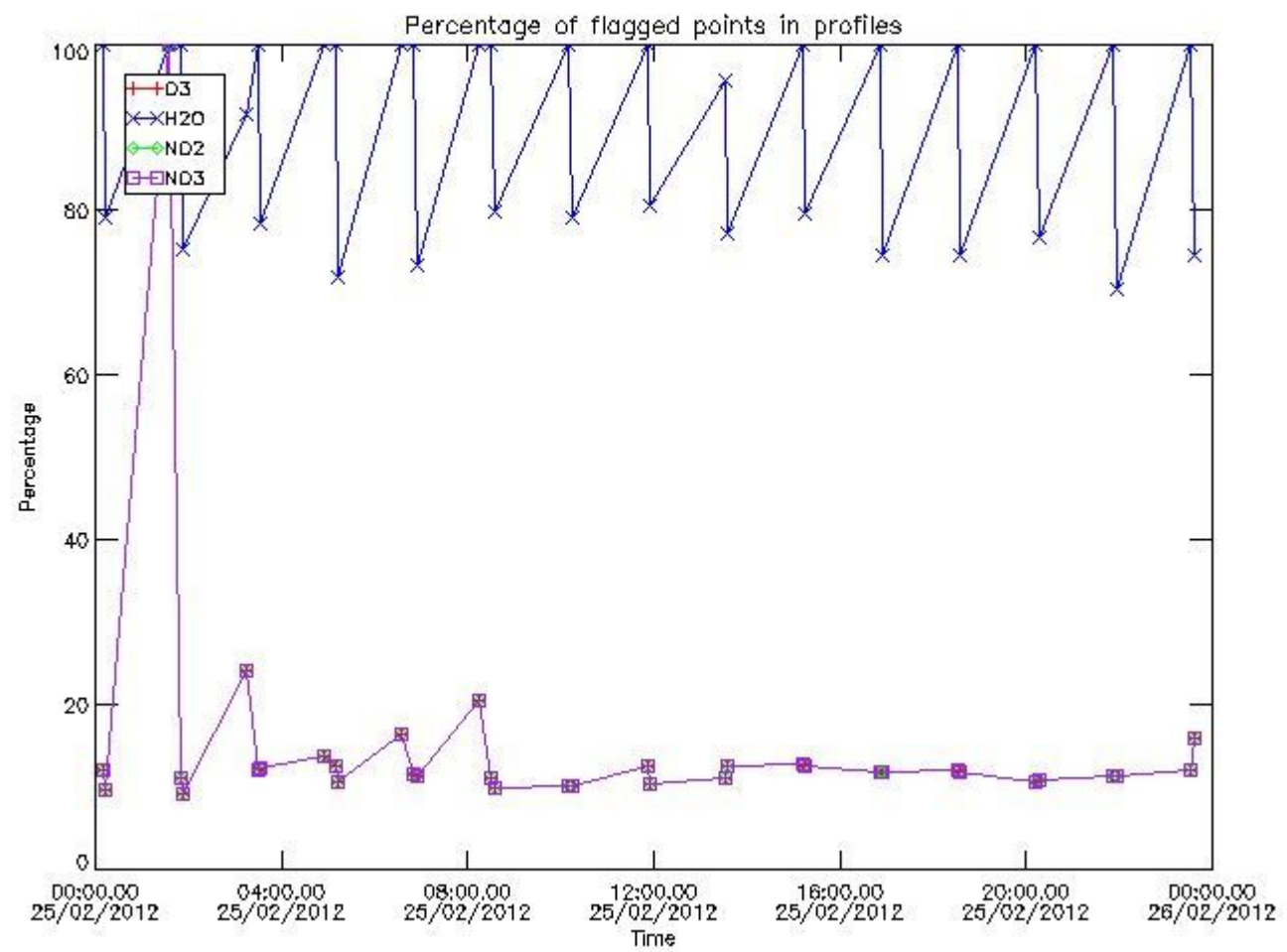
!Warning: No products without errors in BRIGHT limb conditions found

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20120225_000927_000000423112_00074_52243_6468.N1	25-FEB-2012 00:09:27	Dark	42.000	10	Bet Cen	0.61000	28000.	84	52243	No
2	GOM_NL__2PRFIN20120225_001306_000000573112_00074_52243_6469.N1	25-FEB-2012 00:13:06	Dark	57.000	26	Gam Cru	1.6240	2900.0	114	52243	No
3	GOM_NL__2PRFIN20120225_013416_000000463112_00074_52243_6470.N1	25-FEB-2012 01:34:16	Dark	45.500	116	19Del Sgr	2.7000	4100.0	91	52243	No
4	GOM_NL__2PRFIN20120225_014942_000000463112_00075_52244_6480.N1	25-FEB-2012 01:49:42	Dark	45.500	10	Bet Cen	0.61000	28000.	91	52244	No
5	GOM_NL__2PRFIN20120225_015321_000000553112_00075_52244_6481.N1	25-FEB-2012 01:53:21	Dark	55.000	26	Gam Cru	1.6240	2900.0	110	52244	No
6	GOM_NL__2PRFIN20120225_031431_000000423112_00075_52244_6482.N1	25-FEB-2012 03:14:31	Dark	42.000	116	19Del Sgr	2.7000	4100.0	84	52244	No
7	GOM_NL__2PRFIN20120225_032956_000000433112_00076_52245_6483.N1	25-FEB-2012 03:29:56	Dark	42.500	10	Bet Cen	0.61000	28000.	85	52245	No
8	GOM_NL__2PRFIN20120225_033335_000000583112_00076_52245_6484.N1	25-FEB-2012 03:33:35	Dark	57.500	26	Gam Cru	1.6240	2900.0	115	52245	No
9	GOM_NL__2PRFIN20120225_045445_000000373112_00076_52245_6485.N1	25-FEB-2012 04:54:45	Dark	37.000	116	19Del Sgr	2.7000	4100.0	74	52245	No
10	GOM_NL__2PRFIN20120225_051011_000000413112_00077_52246_6490.N1	25-FEB-2012 05:10:11	Dark	41.000	10	Bet Cen	0.61000	28000.	82	52246	No
11	GOM_NL__2PRFIN20120225_051350_000000483112_00077_52246_6491.N1	25-FEB-2012 05:13:50	Dark	48.000	26	Gam Cru	1.6240	2900.0	96	52246	No
12	GOM_NL__2PRFIN20120225_063500_000000313112_00077_52246_6492.N1	25-FEB-2012 06:35:00	Dark	31.000	116	19Del Sgr	2.7000	4100.0	62	52246	No
13	GOM_NL__2PRFIN20120225_065025_000000483112_00078_52247_6499.N1	25-FEB-2012 06:50:25	Dark	48.000	10	Bet Cen	0.61000	28000.	96	52247	No
14	GOM_NL__2PRFIN20120225_065404_000000493112_00078_52247_6500.N1	25-FEB-2012 06:54:04	Dark	48.500	26	Gam Cru	1.6240	2900.0	97	52247	No
15	GOM_NL__2PRFIN20120225_081514_000000253112_00078_52247_6501.N1	25-FEB-2012 08:15:14	Dark	25.000	116	19Del Sgr	2.7000	4100.0	50	52247	No
16	GOM_NL__2PRFIN20120225_083040_000000513112_00079_52248_6539.N1	25-FEB-2012 08:30:40	Dark	51.000	10	Bet Cen	0.61000	28000.	102	52248	No
17	GOM_NL__2PRFIN20120225_083419_000000573112_00079_52248_6540.N1	25-FEB-2012 08:34:19	Dark	56.500	26	Gam Cru	1.6240	2900.0	113	52248	No
18	GOM_NL__2PRFIN20120225_101054_000000513112_00080_52249_6571.N1	25-FEB-2012 10:10:54	Dark	50.500	10	Bet Cen	0.61000	28000.	101	52249	No
19	GOM_NL__2PRFIN20120225_101433_000000553112_00080_52249_6572.N1	25-FEB-2012 10:14:33	Dark	55.000	26	Gam Cru	1.6240	2900.0	110	52249	No
20	GOM_NL__2PRFIN20120225_115109_000000413112_00081_52250_6603.N1	25-FEB-2012 11:51:09	Dark	41.000	10	Bet Cen	0.61000	28000.	82	52250	No
21	GOM_NL__2PRFIN20120225_115448_000000493112_00081_52250_6604.N1	25-FEB-2012 11:54:48	Dark	48.500	26	Gam Cru	1.6240	2900.0	97	52250	No
22	GOM_NL__2PRFIN20120225_133123_000000463112_00082_52251_6627.N1	25-FEB-2012 13:31:23	Dark	46.000	10	Bet Cen	0.61000	28000.	92	52251	No
23	GOM_NL__2PRFIN20120225_133502_000000573112_00082_52251_6628.N1	25-FEB-2012 13:35:02	Dark	56.500	26	Gam Cru	1.6240	2900.0	113	52251	No
24	GOM_NL__2PRFIN20120225_151138_000000443112_00083_52252_6662.N1	25-FEB-2012 15:11:38	Dark	44.000	10	Bet Cen	0.61000	28000.	88	52252	No
25	GOM_NL__2PRFIN20120225_151516_000000563112_00083_52252_6663.N1	25-FEB-2012 15:15:16	Dark	56.000	26	Gam Cru	1.6240	2900.0	112	52252	No
26	GOM_NL__2PRFIN20120225_165153_000000443112_00084_52253_6903.N1	25-FEB-2012 16:51:53	Dark	43.500	10	Bet Cen	0.61000	28000.	87	52253	No
27	GOM_NL__2PRFIN20120225_165531_000000433112_00084_52253_6904.N1	25-FEB-2012 16:55:31	Dark	43.000	26	Gam Cru	1.6240	2900.0	86	52253	No
28	GOM_NL__2PRFIN20120225_183207_000000433112_00085_52254_6911.N1	25-FEB-2012 18:32:07	Dark	42.500	10	Bet Cen	0.61000	28000.	85	52254	No
29	GOM_NL__2PRFIN20120225_183545_000000433112_00085_52254_6912.N1	25-FEB-2012 18:35:45	Dark	43.000	26	Gam Cru	1.6240	2900.0	86	52254	No
30	GOM_NL__2PRFIN20120225_201222_000000533112_00086_52255_6935.N1	25-FEB-2012 20:12:22	Dark	52.500	10	Bet Cen	0.61000	28000.	105	52255	No
31	GOM_NL__2PRFIN20120225_201600_000000523112_00086_52255_6936.N1	25-FEB-2012 20:16:00	Dark	51.500	26	Gam Cru	1.6240	2900.0	103	52255	No
32	GOM_NL__2PRFIN20120225_215236_000000453112_00087_52256_6962.N1	25-FEB-2012 21:52:36	Dark	45.000	10	Bet Cen	0.61000	28000.	90	52256	No
33	GOM_NL__2PRFIN20120225_215614_000000493112_00087_52256_6963.N1	25-FEB-2012 21:56:14	Dark	49.000	26	Gam Cru	1.6240	2900.0	98	52256	No
34	GOM_NL__2PRFIN20120225_233251_000000433112_00088_52257_6971.N1	25-FEB-2012 23:32:51	Dark	42.500	10	Bet Cen	0.61000	28000.	85	52257	No
35	GOM_NL__2PRFIN20120225_233629_000000573112_00088_52257_6972.N1	25-FEB-2012 23:36:29	Dark	56.500	26	Gam Cru	1.6240	2900.0	113	52257	No

3. Quality information per product

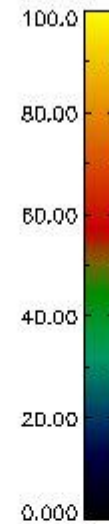
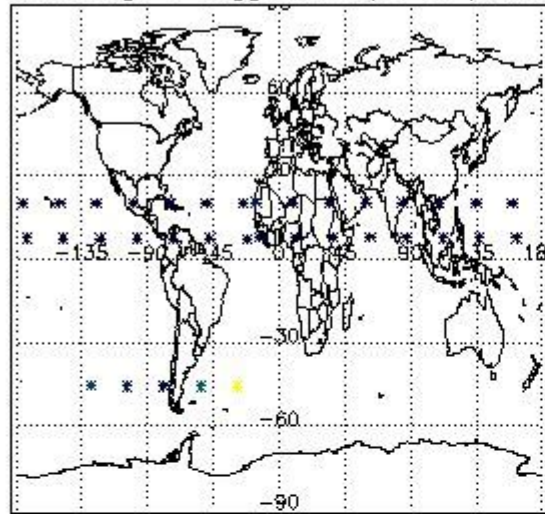
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

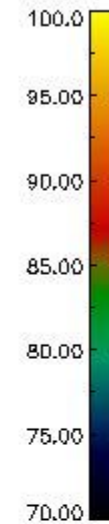
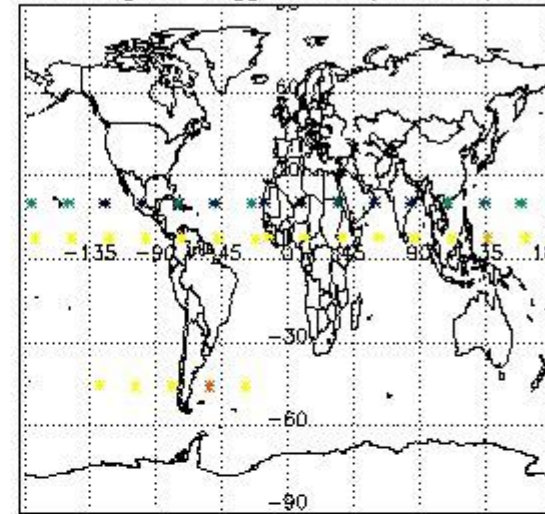


3.2 Plot quality information per product (world map)

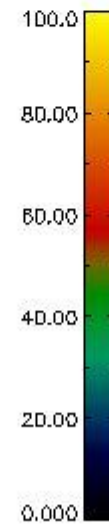
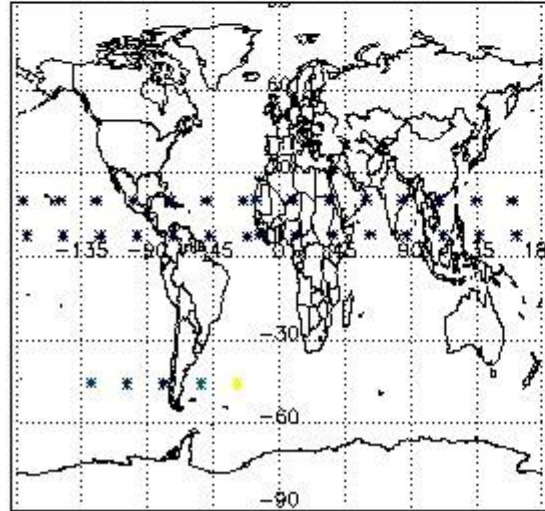
Percentage of flagged data per O3 profile



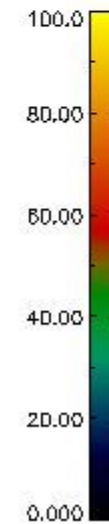
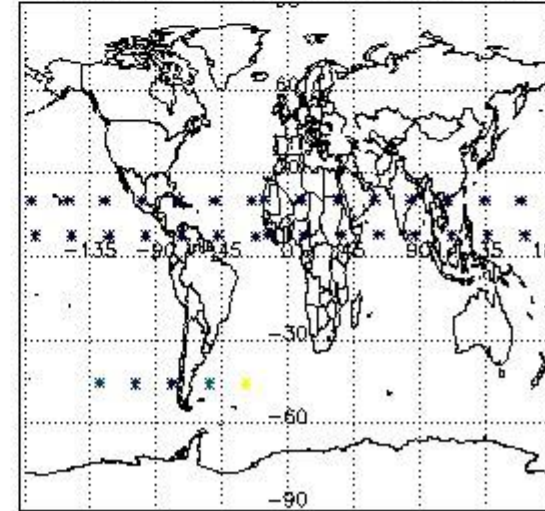
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

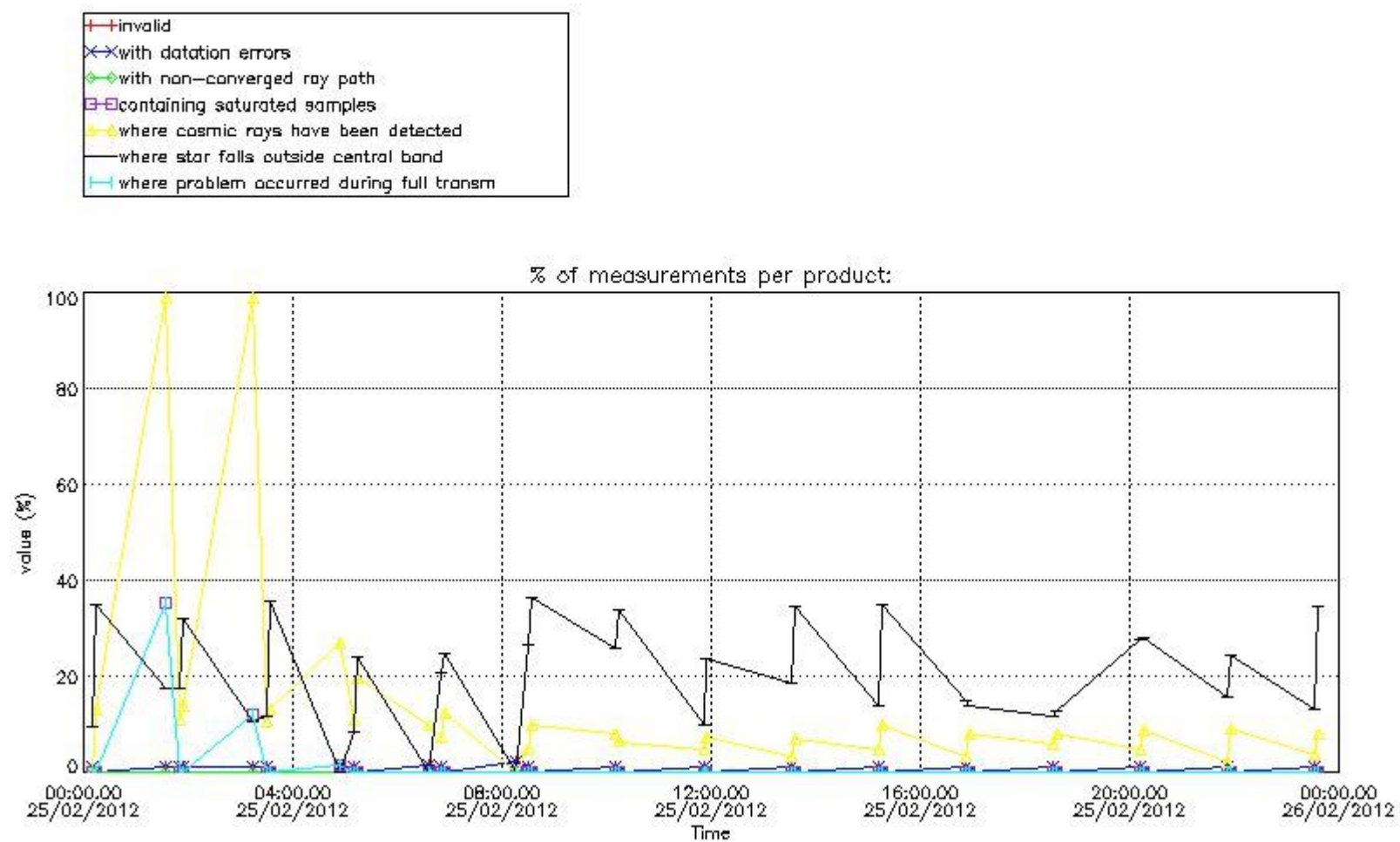


4. Level 1 quality information per product

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

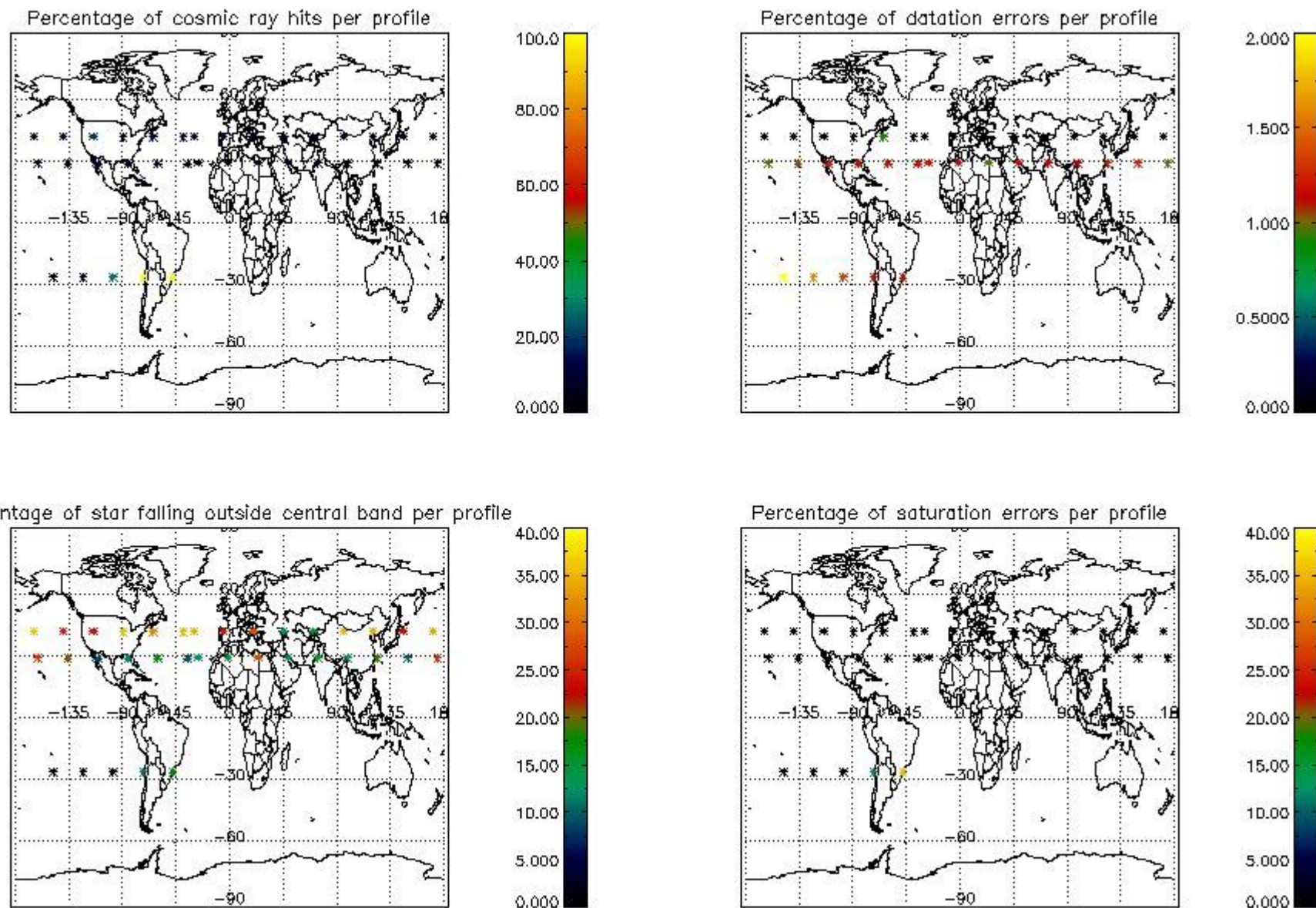


4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes

!Warning: No products without errors in descending found

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

!Warning: No products without errors in descending found

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:

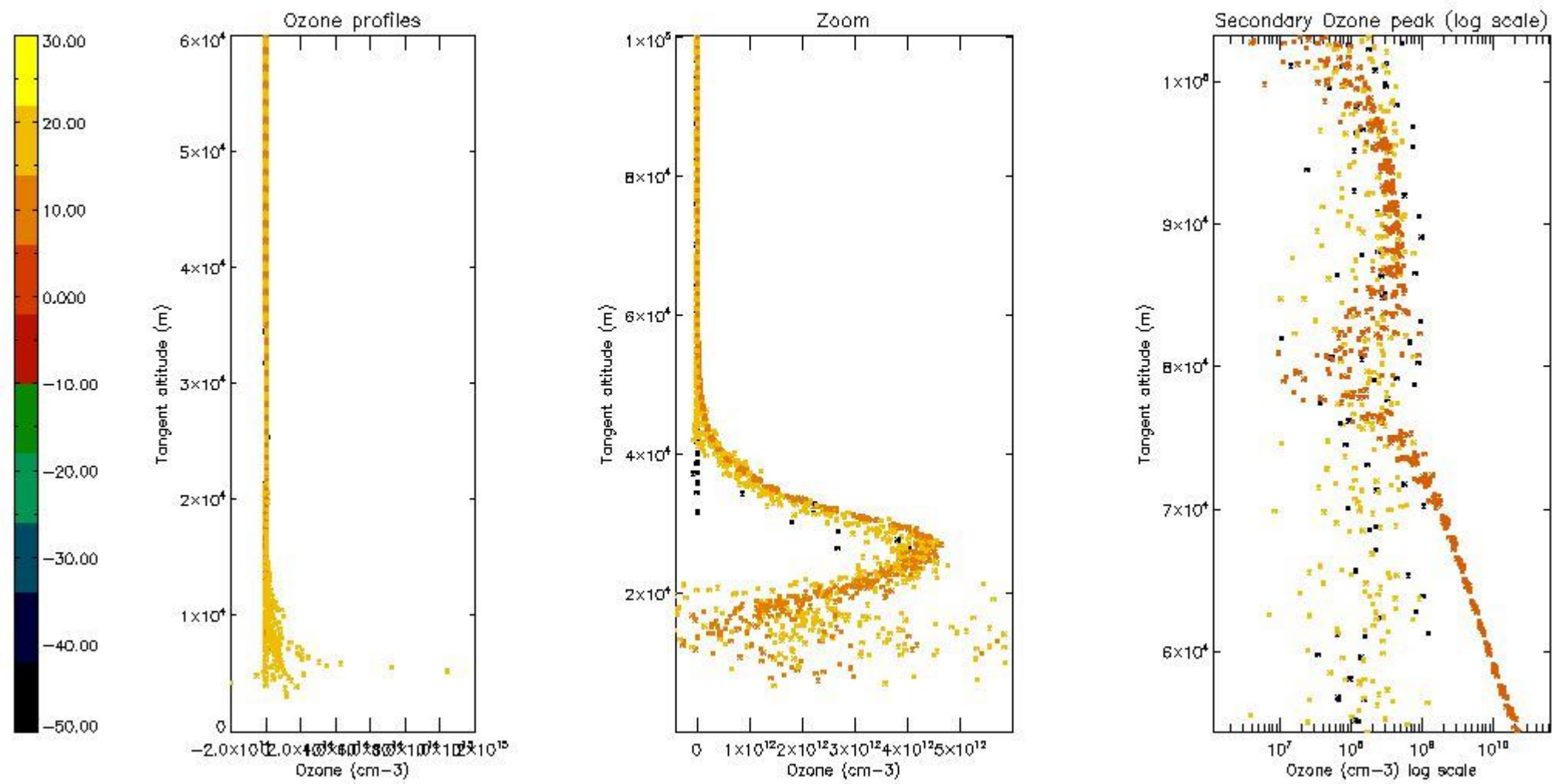
- Products in dark limb illumination condition: GOM_NL__2P/NL_SUMMARY_QUALITY/obs_ill_cond=0
- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

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	100
STD < 20	50
STD < 10	36
STD < 5	27

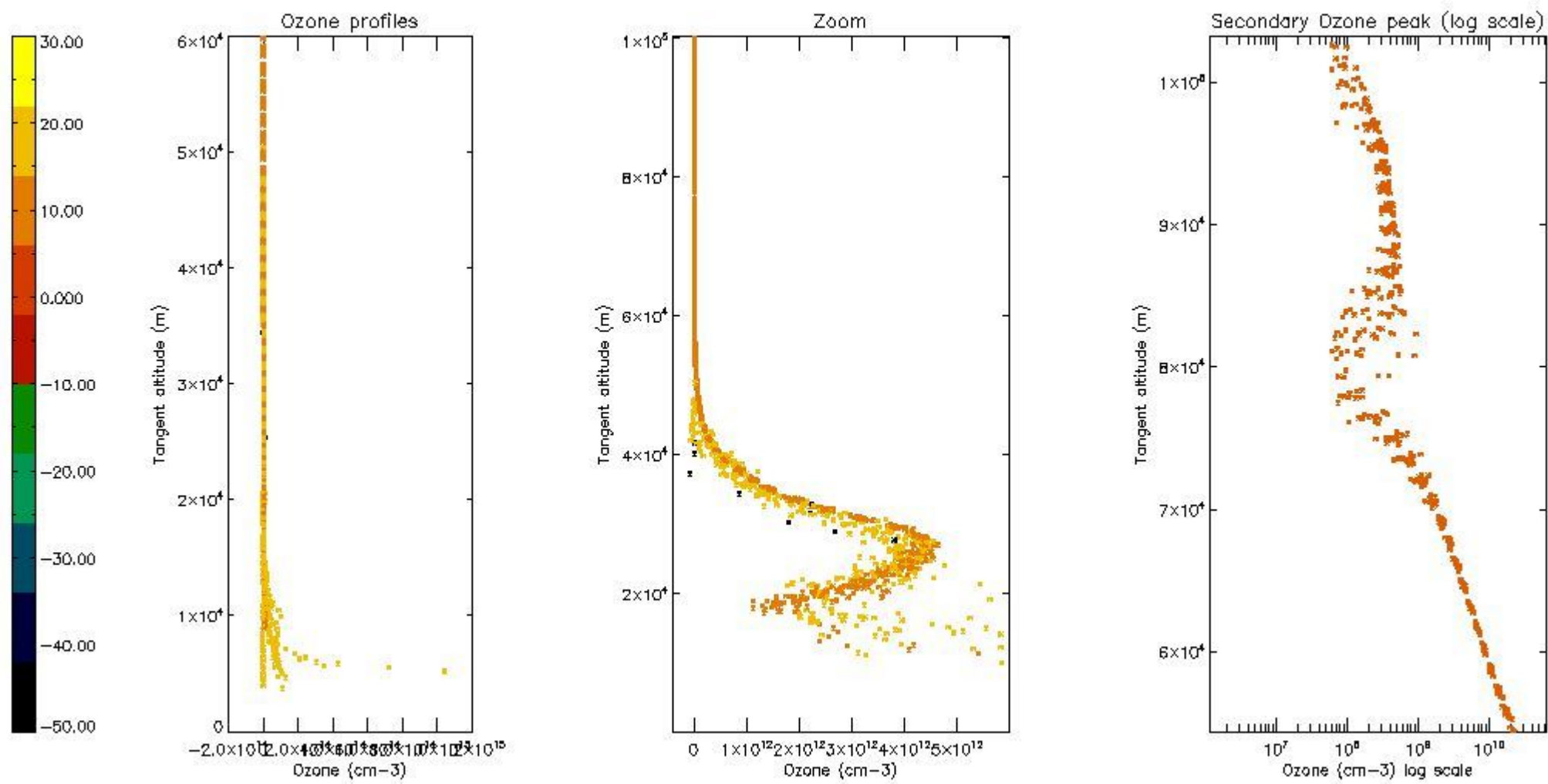
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



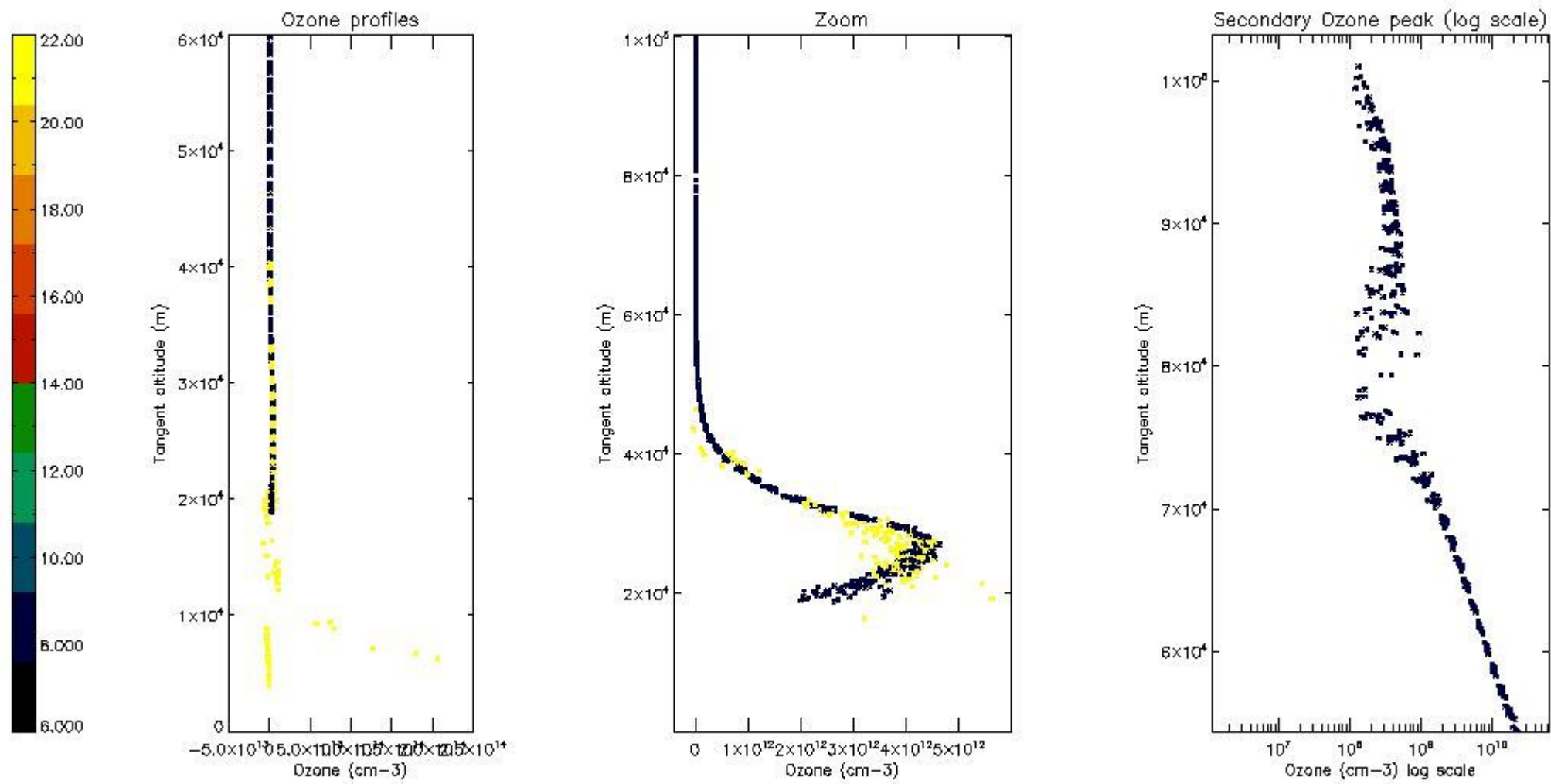
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



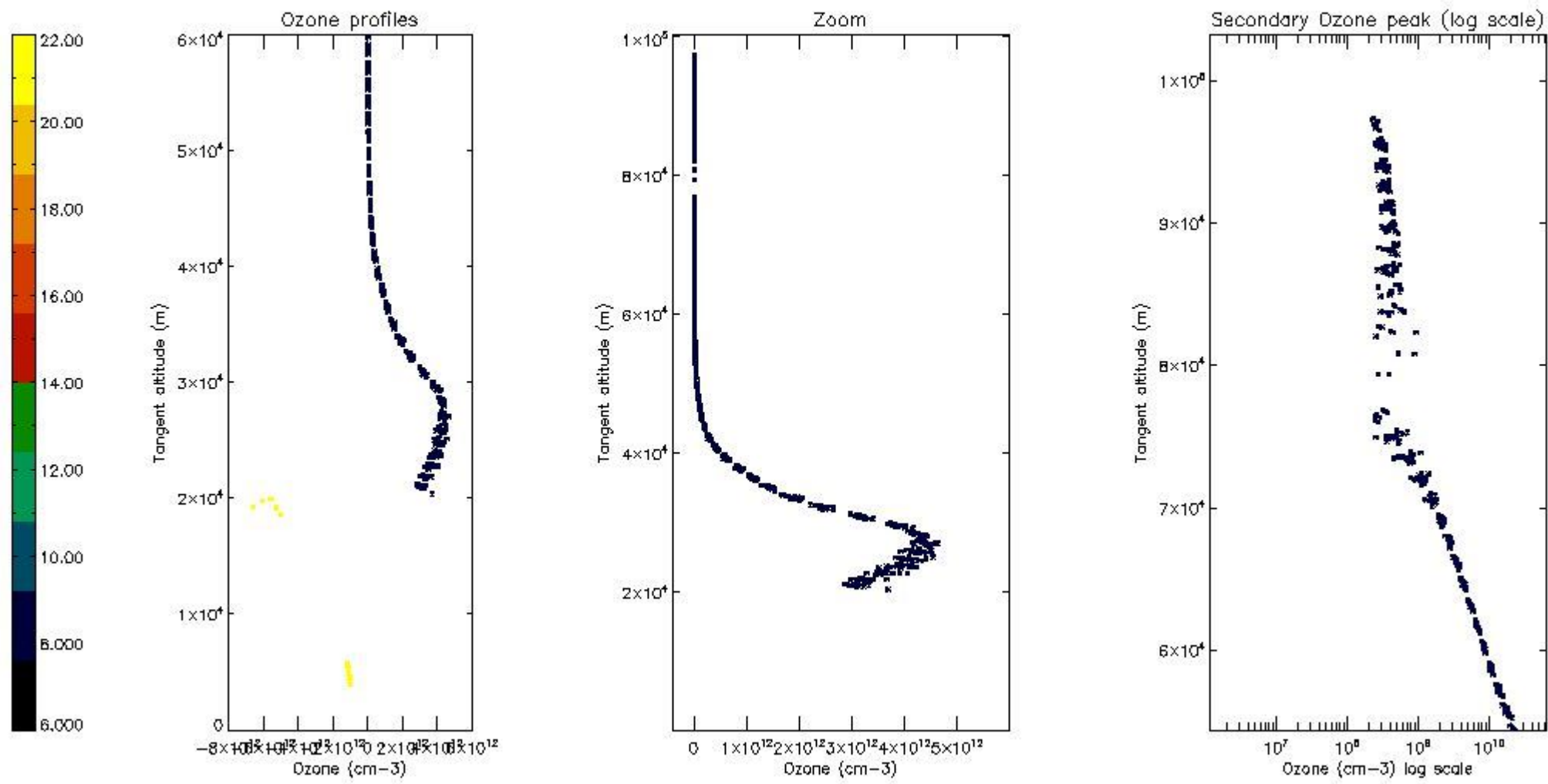
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



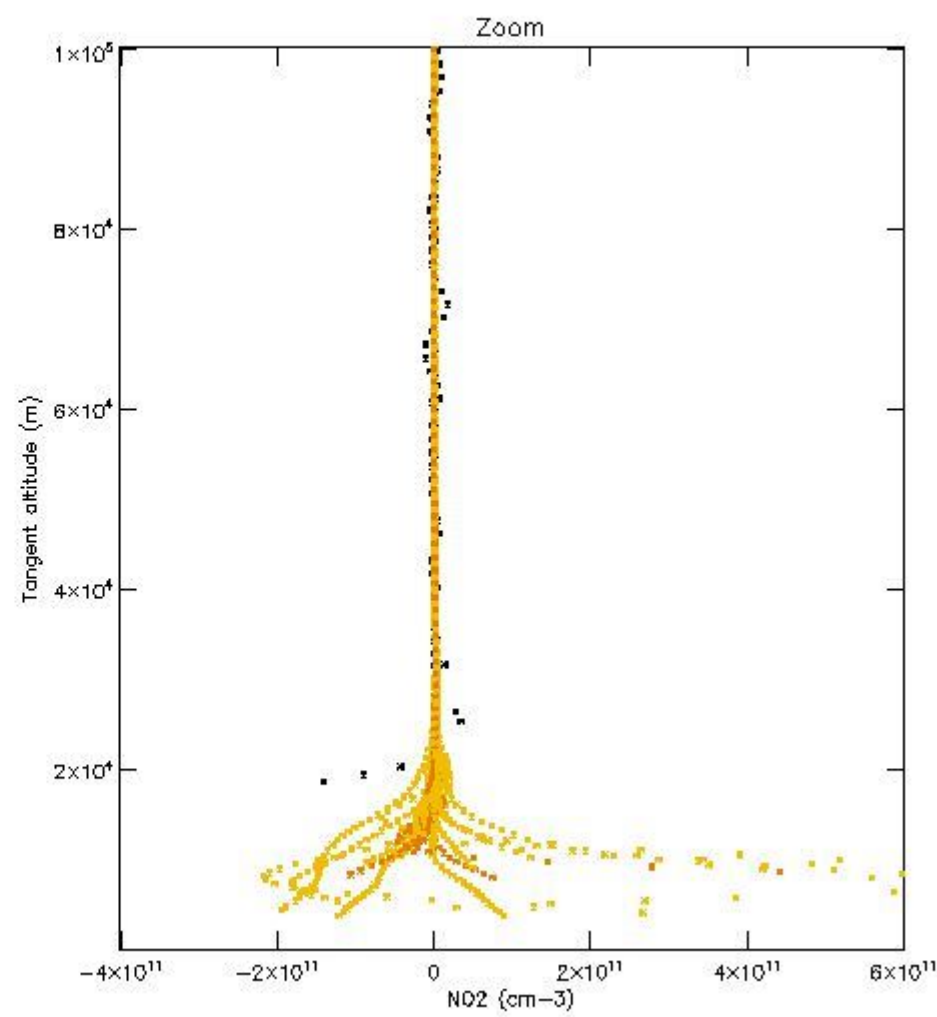
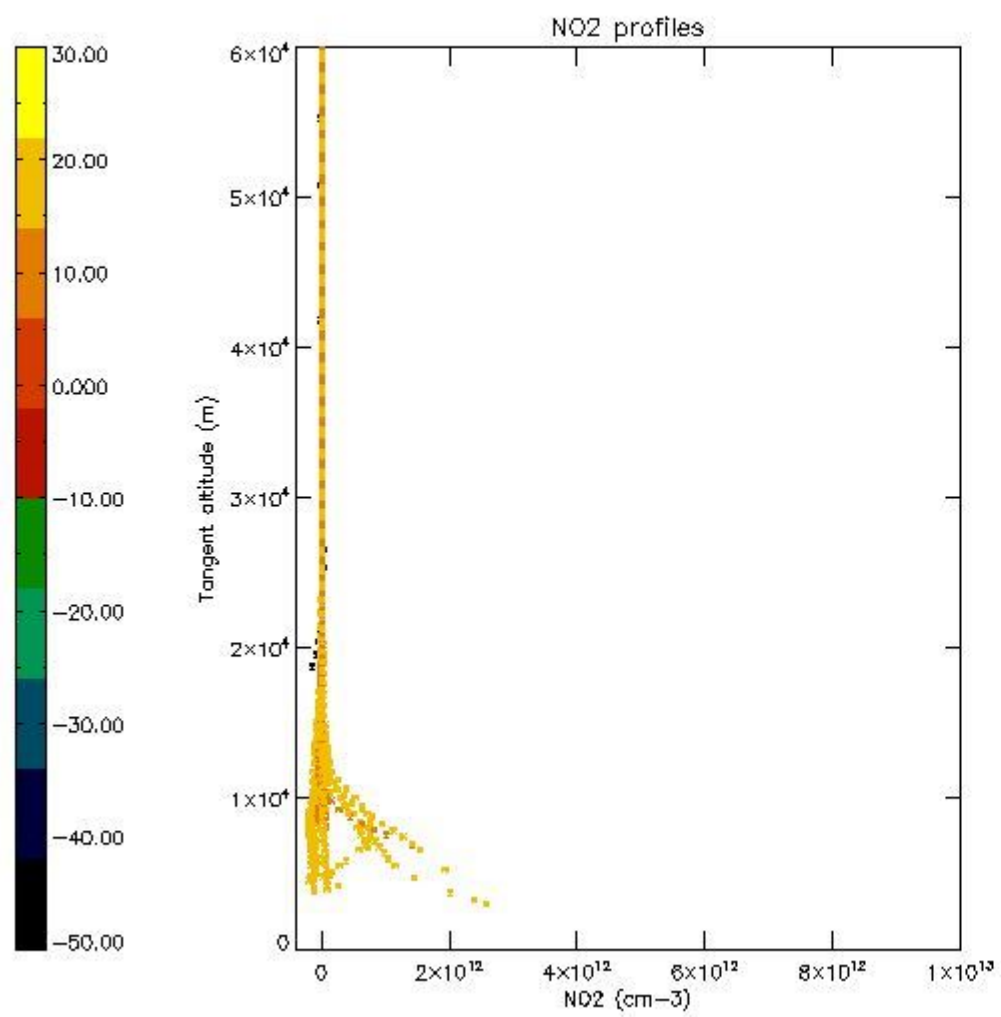
5.5 Plot ozone profiles where $STD < 5\%$ (dark without errors)

The colorbar represents the latitude.



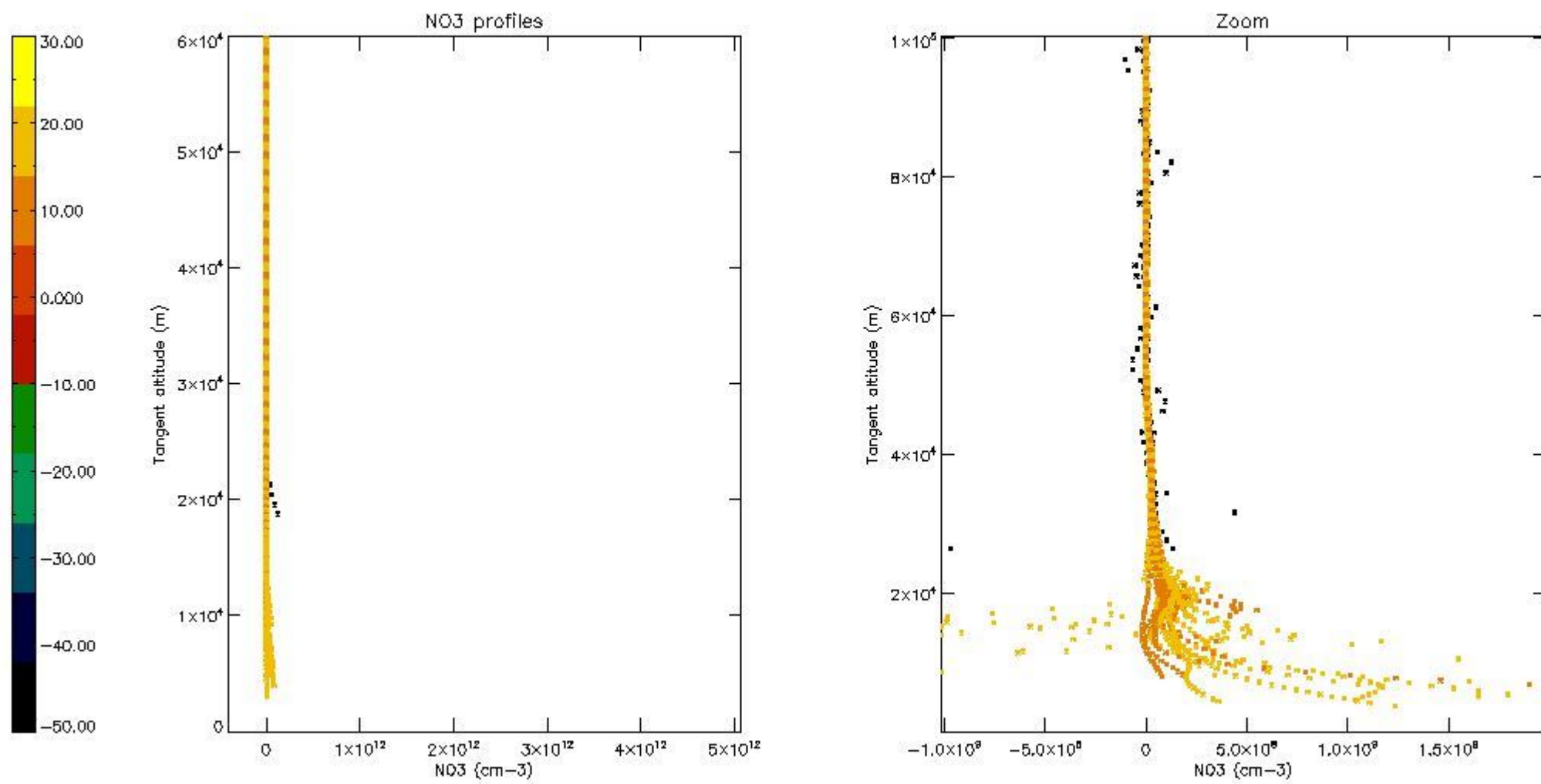
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



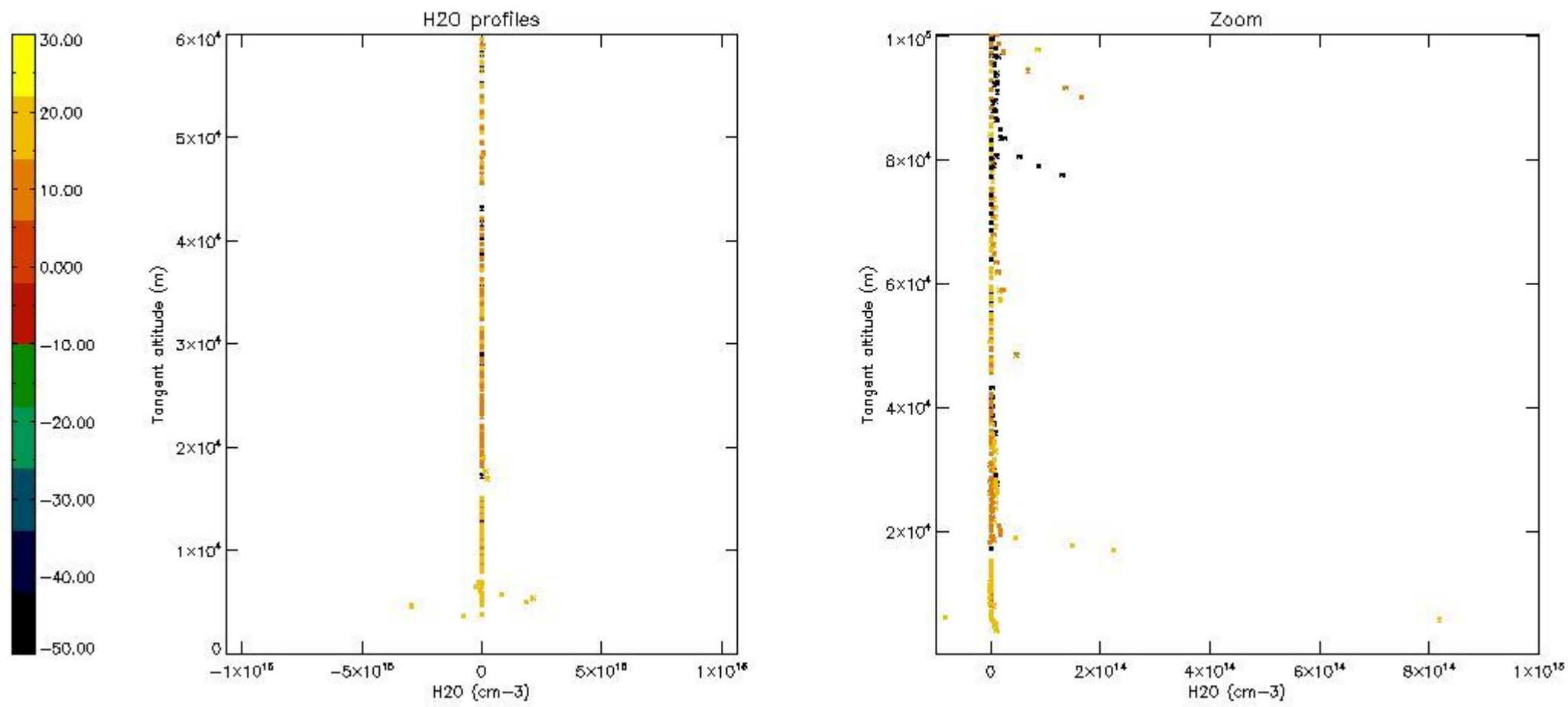
5.7 Plot NO3 profiles for all STD (dark without errors)

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_AXVIEC20111213_163131_20111215_000000_20500101_000000	1	25-FEB-2012 00:09:27
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	25-FEB-2012 00:09:27
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	25-FEB-2012 00:09:27

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[4.2.1 Plot of level 1 quality information per product \(world map\): ASCENDING](#)

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[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](#)

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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.

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Store outputs in DB	Yes
Nb of level 2 prods	35
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

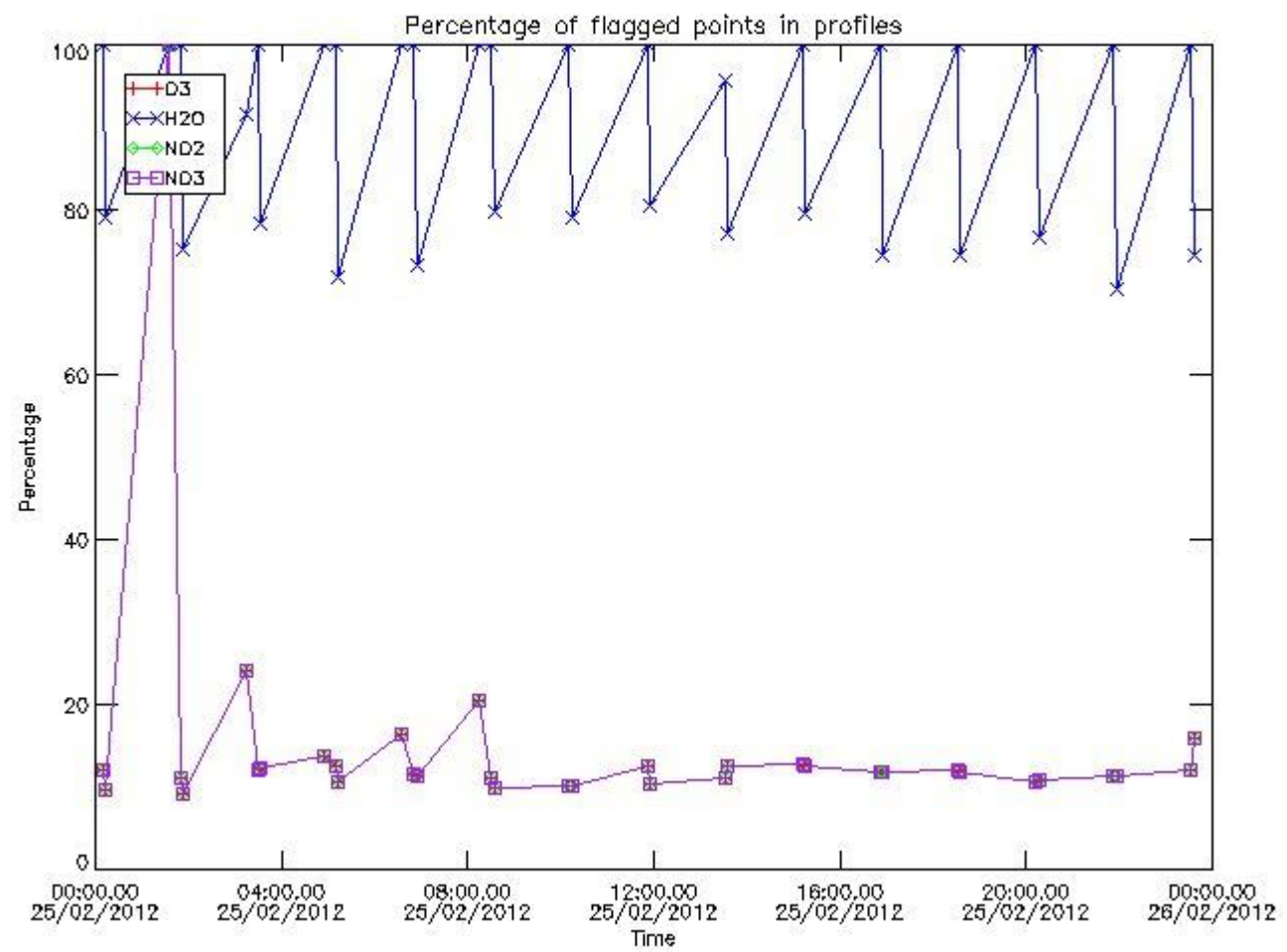
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Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20120225_000927_000000423112_00074_52243_6468.N1	25-FEB-2012 00:09:27	Dark	42.000	10	Bet Cen	0.61000	28000.	84	52243	No
2	GOM_NL__2PRFIN20120225_001306_000000573112_00074_52243_6469.N1	25-FEB-2012 00:13:06	Dark	57.000	26	Gam Cru	1.6240	2900.0	114	52243	No
3	GOM_NL__2PRFIN20120225_013416_000000463112_00074_52243_6470.N1	25-FEB-2012 01:34:16	Dark	45.500	116	19Del Sgr	2.7000	4100.0	91	52243	No
4	GOM_NL__2PRFIN20120225_014942_000000463112_00075_52244_6480.N1	25-FEB-2012 01:49:42	Dark	45.500	10	Bet Cen	0.61000	28000.	91	52244	No
5	GOM_NL__2PRFIN20120225_015321_000000553112_00075_52244_6481.N1	25-FEB-2012 01:53:21	Dark	55.000	26	Gam Cru	1.6240	2900.0	110	52244	No
6	GOM_NL__2PRFIN20120225_031431_000000423112_00075_52244_6482.N1	25-FEB-2012 03:14:31	Dark	42.000	116	19Del Sgr	2.7000	4100.0	84	52244	No
7	GOM_NL__2PRFIN20120225_032956_000000433112_00076_52245_6483.N1	25-FEB-2012 03:29:56	Dark	42.500	10	Bet Cen	0.61000	28000.	85	52245	No
8	GOM_NL__2PRFIN20120225_033335_000000583112_00076_52245_6484.N1	25-FEB-2012 03:33:35	Dark	57.500	26	Gam Cru	1.6240	2900.0	115	52245	No
9	GOM_NL__2PRFIN20120225_045445_000000373112_00076_52245_6485.N1	25-FEB-2012 04:54:45	Dark	37.000	116	19Del Sgr	2.7000	4100.0	74	52245	No
10	GOM_NL__2PRFIN20120225_051011_000000413112_00077_52246_6490.N1	25-FEB-2012 05:10:11	Dark	41.000	10	Bet Cen	0.61000	28000.	82	52246	No
11	GOM_NL__2PRFIN20120225_051350_000000483112_00077_52246_6491.N1	25-FEB-2012 05:13:50	Dark	48.000	26	Gam Cru	1.6240	2900.0	96	52246	No
12	GOM_NL__2PRFIN20120225_063500_000000313112_00077_52246_6492.N1	25-FEB-2012 06:35:00	Dark	31.000	116	19Del Sgr	2.7000	4100.0	62	52246	No
13	GOM_NL__2PRFIN20120225_065025_000000483112_00078_52247_6499.N1	25-FEB-2012 06:50:25	Dark	48.000	10	Bet Cen	0.61000	28000.	96	52247	No
14	GOM_NL__2PRFIN20120225_065404_000000493112_00078_52247_6500.N1	25-FEB-2012 06:54:04	Dark	48.500	26	Gam Cru	1.6240	2900.0	97	52247	No
15	GOM_NL__2PRFIN20120225_081514_000000253112_00078_52247_6501.N1	25-FEB-2012 08:15:14	Dark	25.000	116	19Del Sgr	2.7000	4100.0	50	52247	No
16	GOM_NL__2PRFIN20120225_083040_000000513112_00079_52248_6539.N1	25-FEB-2012 08:30:40	Dark	51.000	10	Bet Cen	0.61000	28000.	102	52248	No
17	GOM_NL__2PRFIN20120225_083419_000000573112_00079_52248_6540.N1	25-FEB-2012 08:34:19	Dark	56.500	26	Gam Cru	1.6240	2900.0	113	52248	No
18	GOM_NL__2PRFIN20120225_101054_000000513112_00080_52249_6571.N1	25-FEB-2012 10:10:54	Dark	50.500	10	Bet Cen	0.61000	28000.	101	52249	No
19	GOM_NL__2PRFIN20120225_101433_000000553112_00080_52249_6572.N1	25-FEB-2012 10:14:33	Dark	55.000	26	Gam Cru	1.6240	2900.0	110	52249	No
20	GOM_NL__2PRFIN20120225_115109_000000413112_00081_52250_6603.N1	25-FEB-2012 11:51:09	Dark	41.000	10	Bet Cen	0.61000	28000.	82	52250	No
21	GOM_NL__2PRFIN20120225_115448_000000493112_00081_52250_6604.N1	25-FEB-2012 11:54:48	Dark	48.500	26	Gam Cru	1.6240	2900.0	97	52250	No
22	GOM_NL__2PRFIN20120225_133123_000000463112_00082_52251_6627.N1	25-FEB-2012 13:31:23	Dark	46.000	10	Bet Cen	0.61000	28000.	92	52251	No
23	GOM_NL__2PRFIN20120225_133502_000000573112_00082_52251_6628.N1	25-FEB-2012 13:35:02	Dark	56.500	26	Gam Cru	1.6240	2900.0	113	52251	No
24	GOM_NL__2PRFIN20120225_151138_000000443112_00083_52252_6662.N1	25-FEB-2012 15:11:38	Dark	44.000	10	Bet Cen	0.61000	28000.	88	52252	No
25	GOM_NL__2PRFIN20120225_151516_000000563112_00083_52252_6663.N1	25-FEB-2012 15:15:16	Dark	56.000	26	Gam Cru	1.6240	2900.0	112	52252	No
26	GOM_NL__2PRFIN20120225_165153_000000443112_00084_52253_6903.N1	25-FEB-2012 16:51:53	Dark	43.500	10	Bet Cen	0.61000	28000.	87	52253	No
27	GOM_NL__2PRFIN20120225_165531_000000433112_00084_52253_6904.N1	25-FEB-2012 16:55:31	Dark	43.000	26	Gam Cru	1.6240	2900.0	86	52253	No
28	GOM_NL__2PRFIN20120225_183207_000000433112_00085_52254_6911.N1	25-FEB-2012 18:32:07	Dark	42.500	10	Bet Cen	0.61000	28000.	85	52254	No
29	GOM_NL__2PRFIN20120225_183545_000000433112_00085_52254_6912.N1	25-FEB-2012 18:35:45	Dark	43.000	26	Gam Cru	1.6240	2900.0	86	52254	No
30	GOM_NL__2PRFIN20120225_201222_000000533112_00086_52255_6935.N1	25-FEB-2012 20:12:22	Dark	52.500	10	Bet Cen	0.61000	28000.	105	52255	No
31	GOM_NL__2PRFIN20120225_201600_000000523112_00086_52255_6936.N1	25-FEB-2012 20:16:00	Dark	51.500	26	Gam Cru	1.6240	2900.0	103	52255	No
32	GOM_NL__2PRFIN20120225_215236_000000453112_00087_52256_6962.N1	25-FEB-2012 21:52:36	Dark	45.000	10	Bet Cen	0.61000	28000.	90	52256	No
33	GOM_NL__2PRFIN20120225_215614_000000493112_00087_52256_6963.N1	25-FEB-2012 21:56:14	Dark	49.000	26	Gam Cru	1.6240	2900.0	98	52256	No
34	GOM_NL__2PRFIN20120225_233251_000000433112_00088_52257_6971.N1	25-FEB-2012 23:32:51	Dark	42.500	10	Bet Cen	0.61000	28000.	85	52257	No
35	GOM_NL__2PRFIN20120225_233629_000000573112_00088_52257_6972.N1	25-FEB-2012 23:36:29	Dark	56.500	26	Gam Cru	1.6240	2900.0	113	52257	No

3. Quality information per product

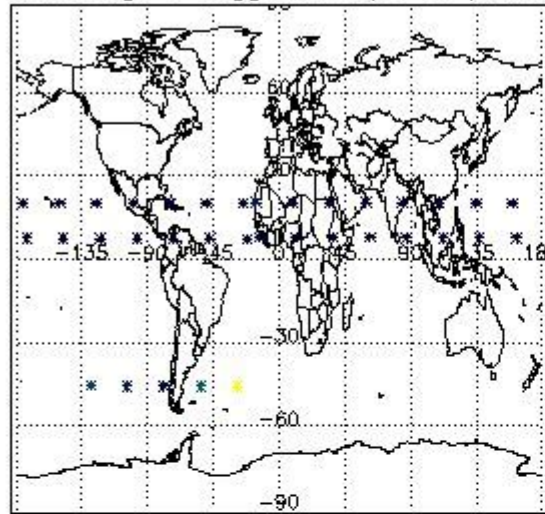
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

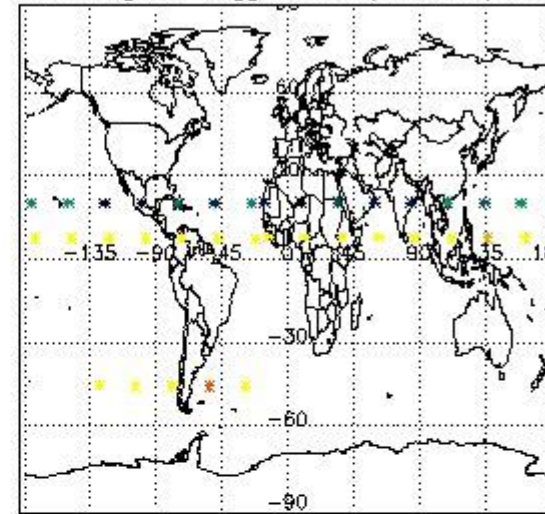


3.2 Plot quality information per product (world map)

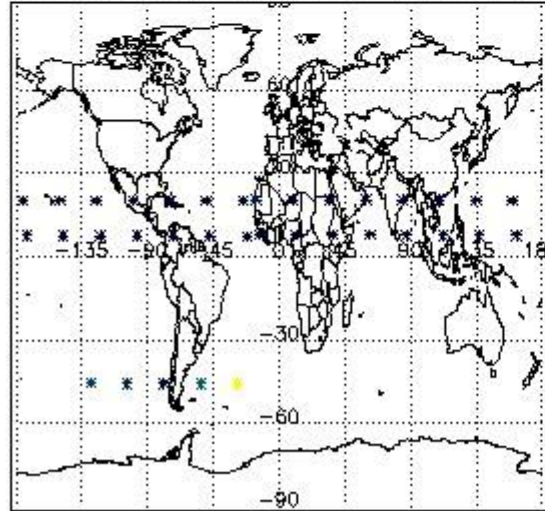
Percentage of flagged data per O3 profile



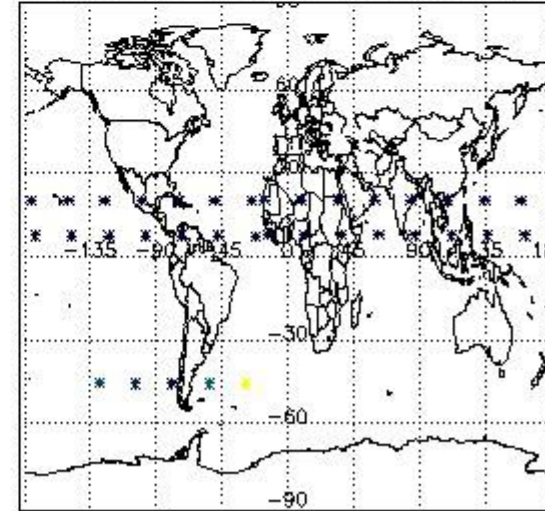
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

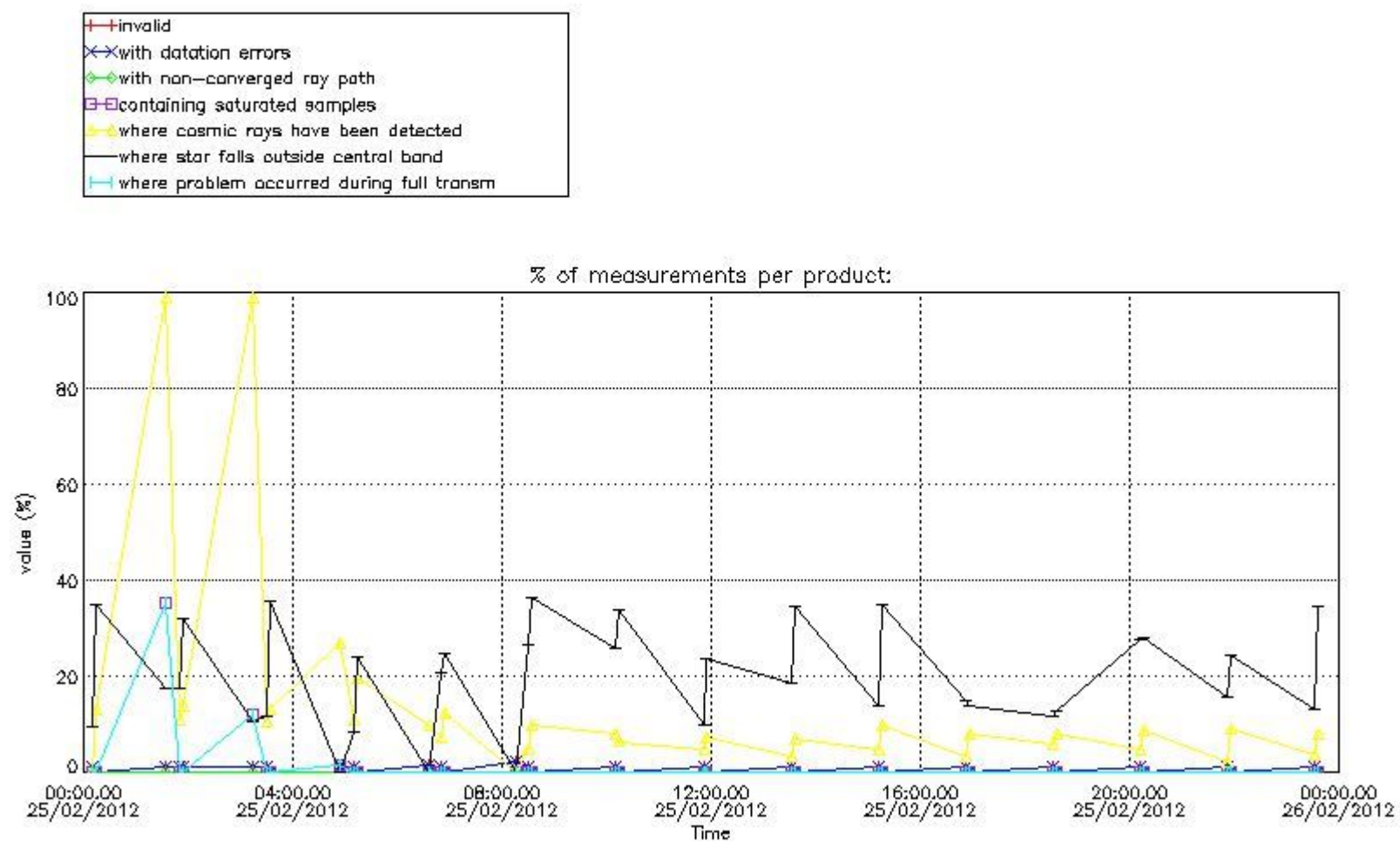


4. Level 1 quality information per product

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

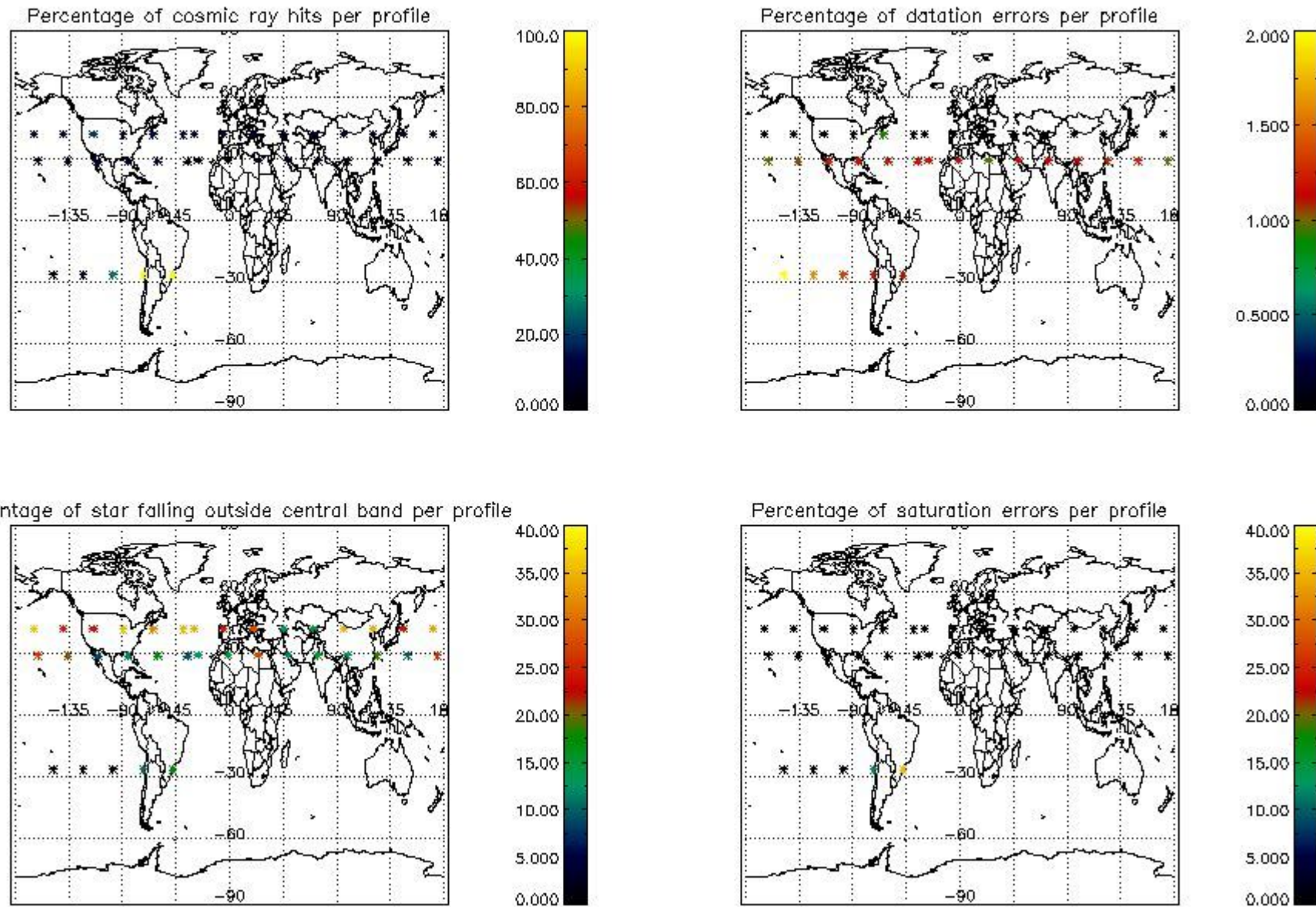


4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes

!Warning: No products without errors in descending found

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

!Warning: No products without errors in descending found

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:

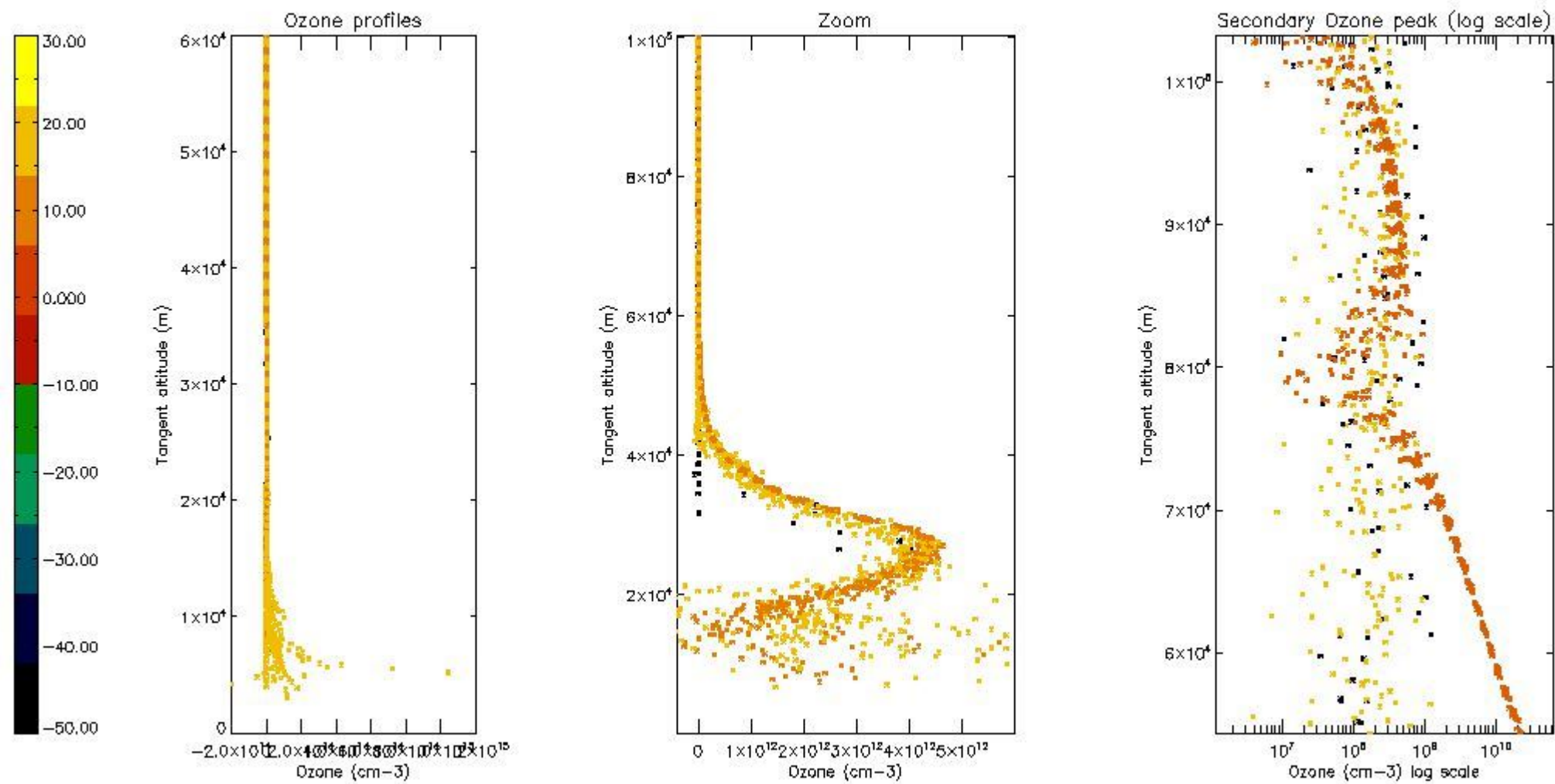
- Products in dark limb illumination condition: GOM_NL__2P/NL_SUMMARY_QUALITY/obs_ill_cond=0
- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

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	100
STD < 20	50
STD < 10	36
STD < 5	27

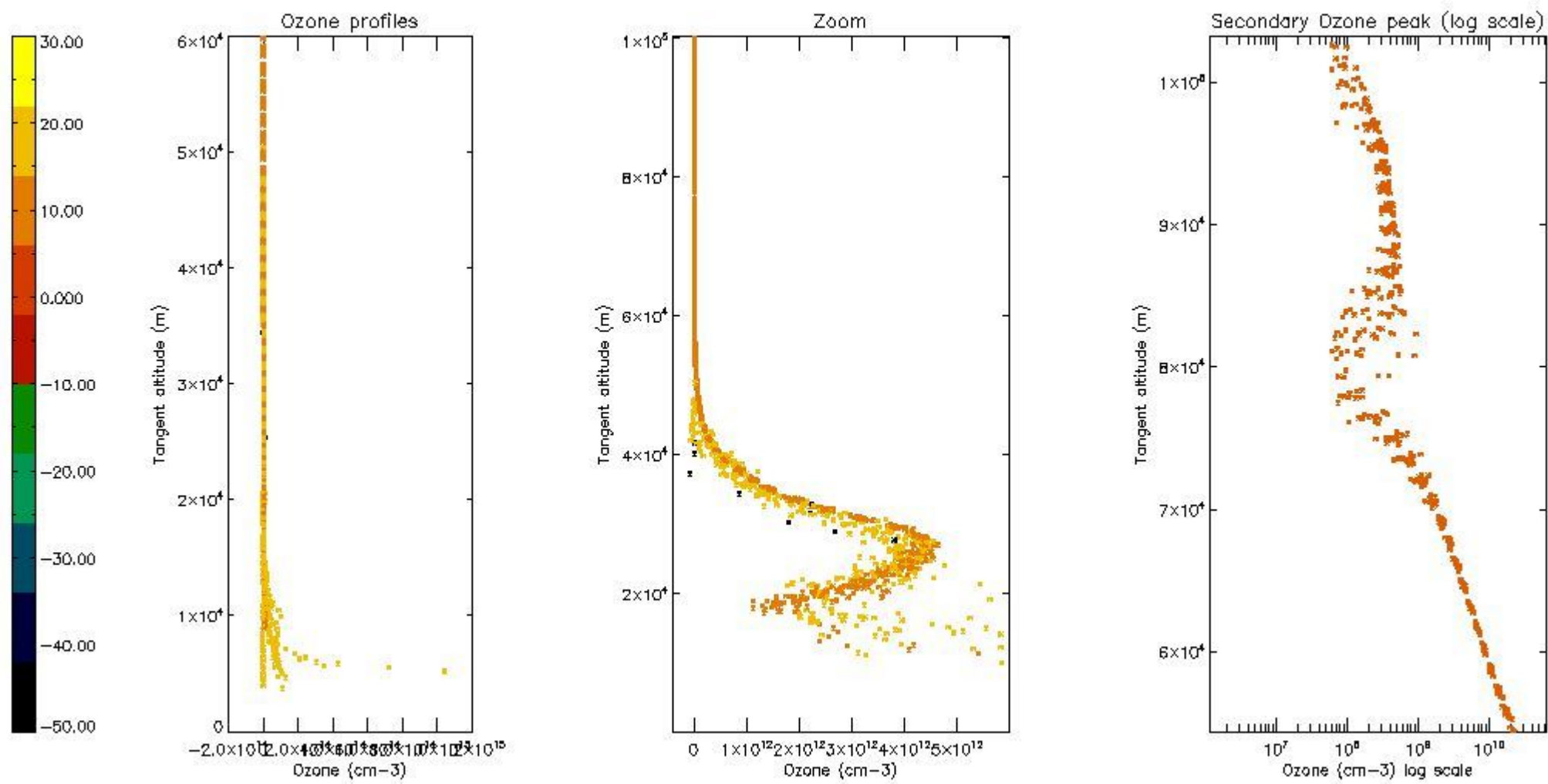
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



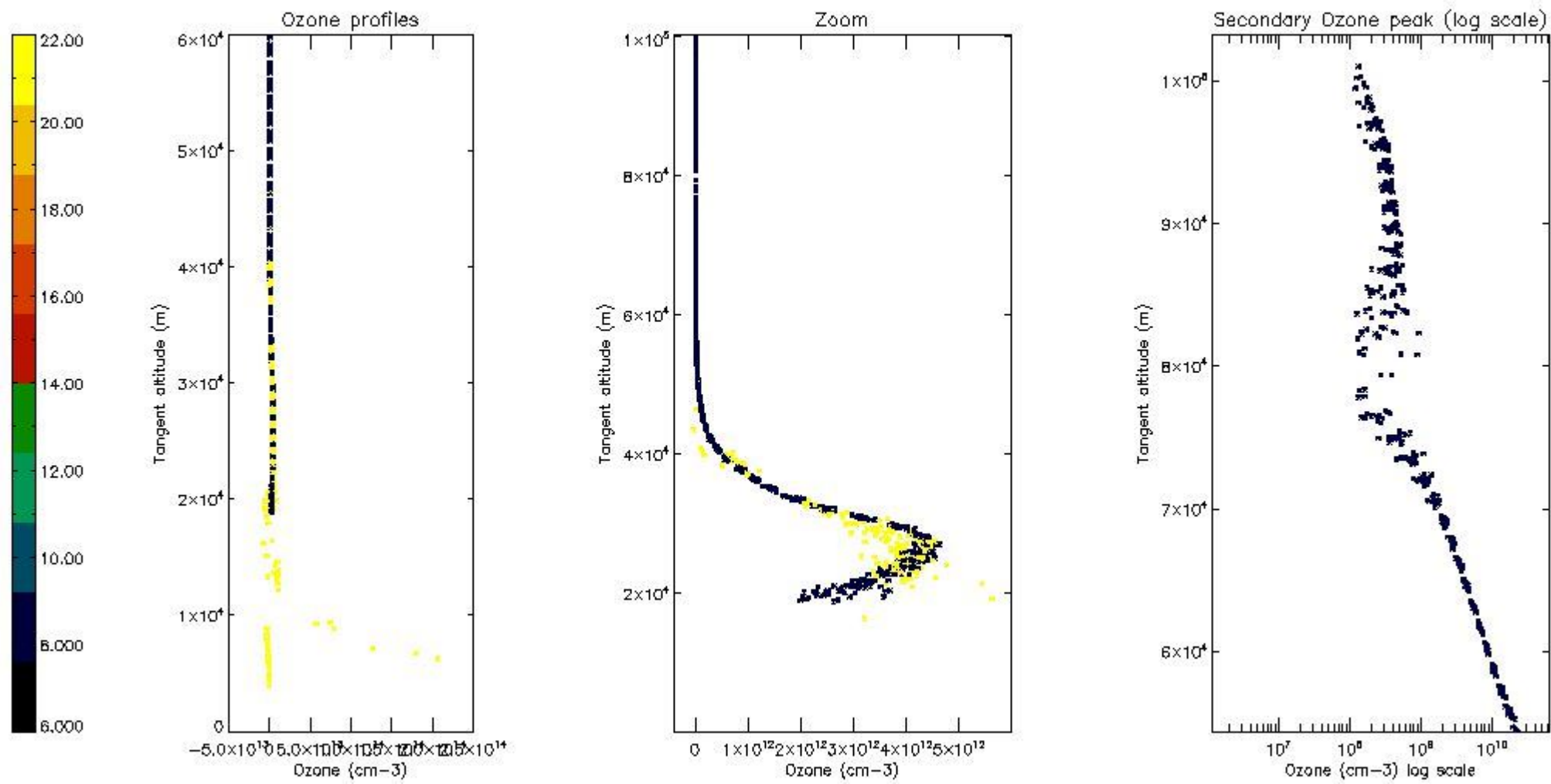
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



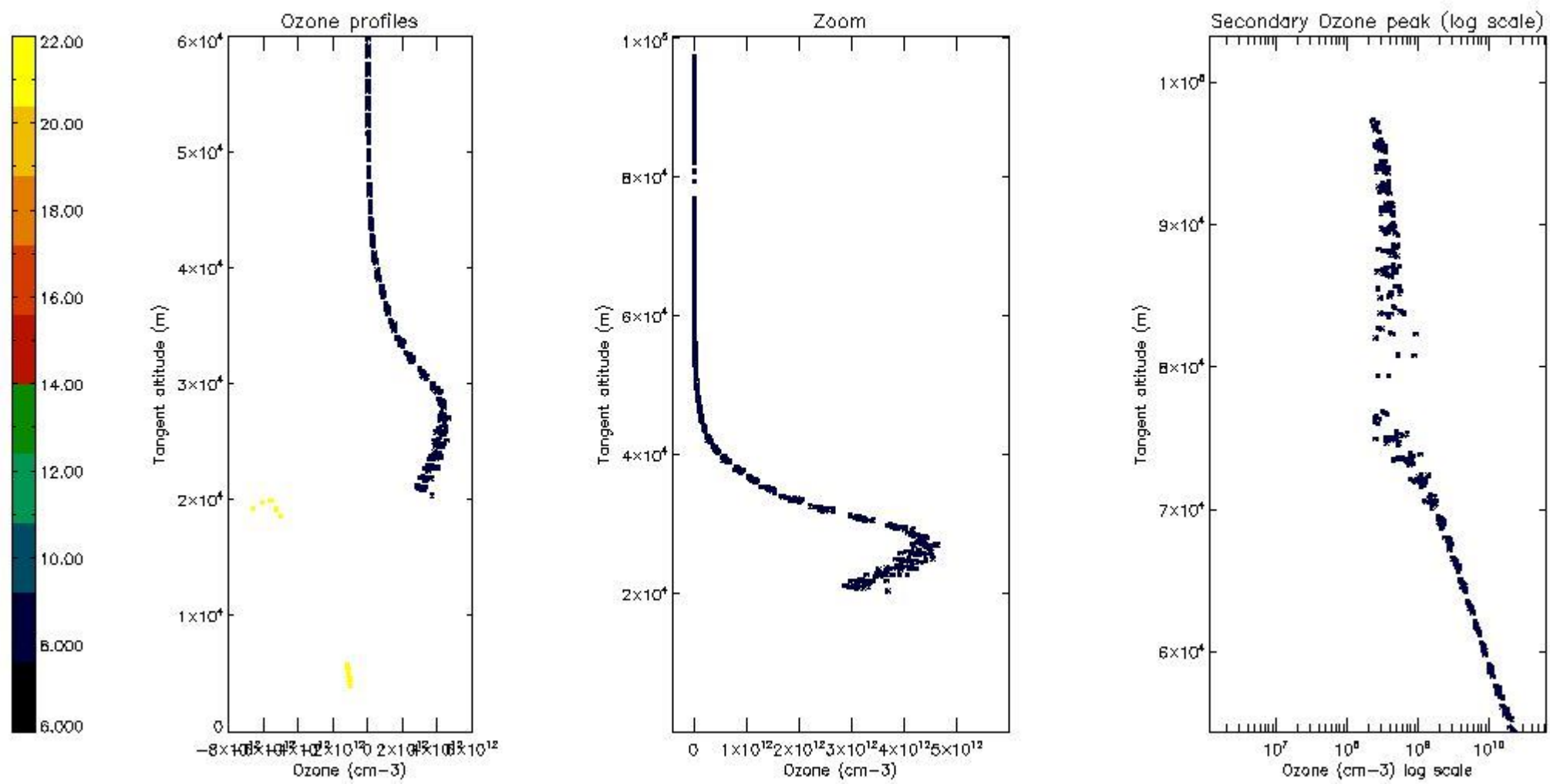
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



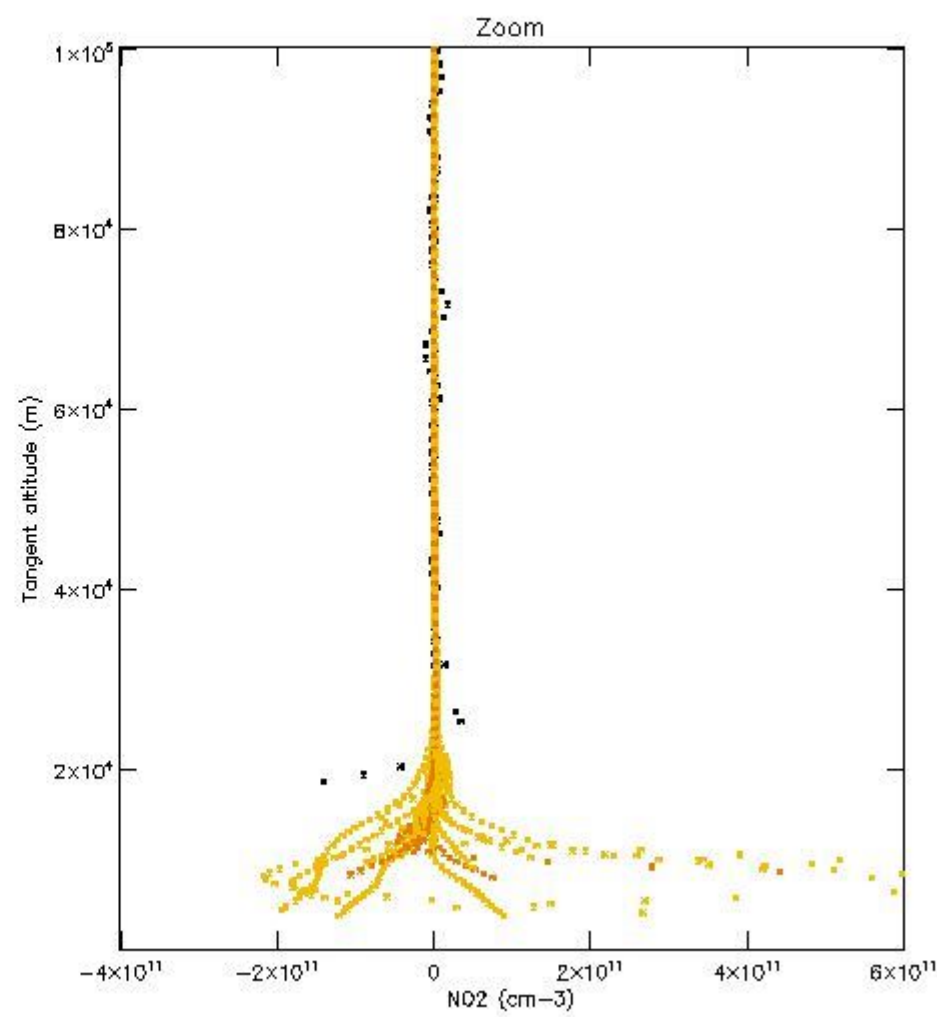
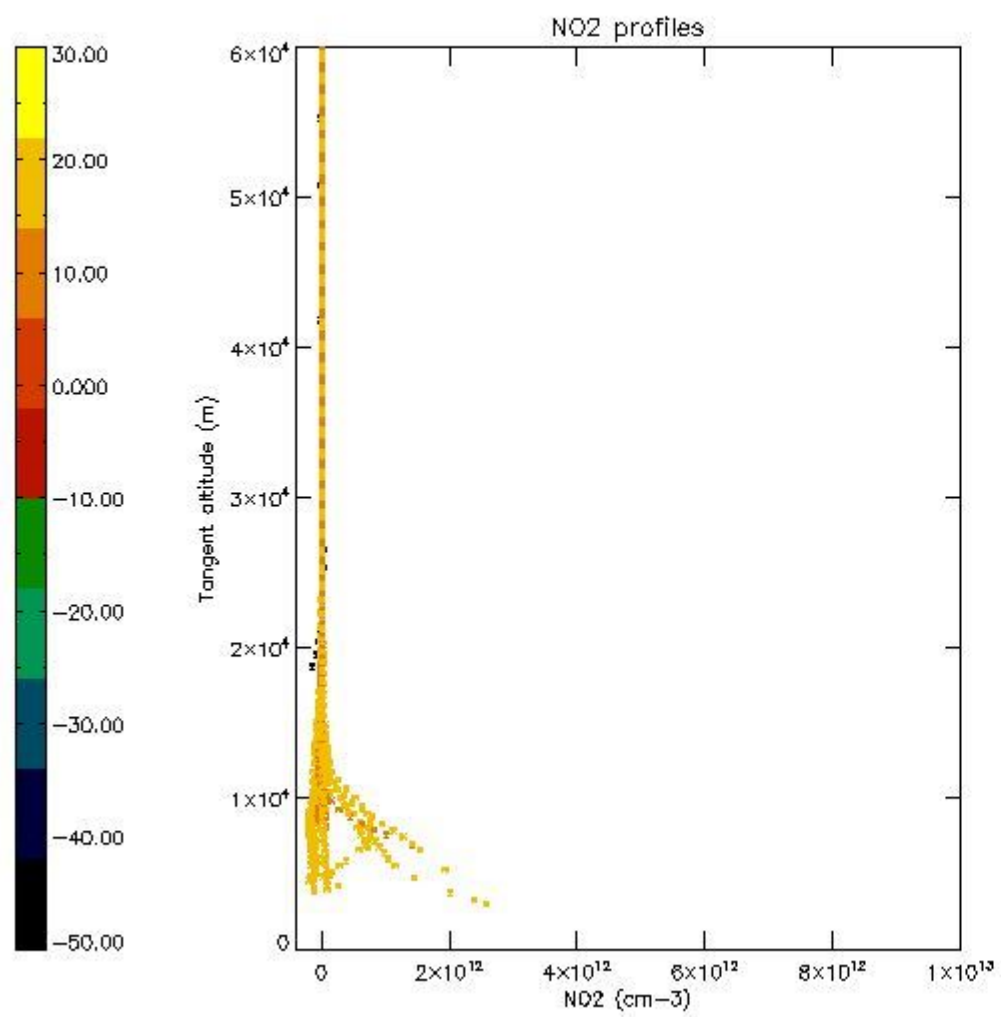
5.5 Plot ozone profiles where $STD < 5\%$ (dark without errors)

The colorbar represents the latitude.



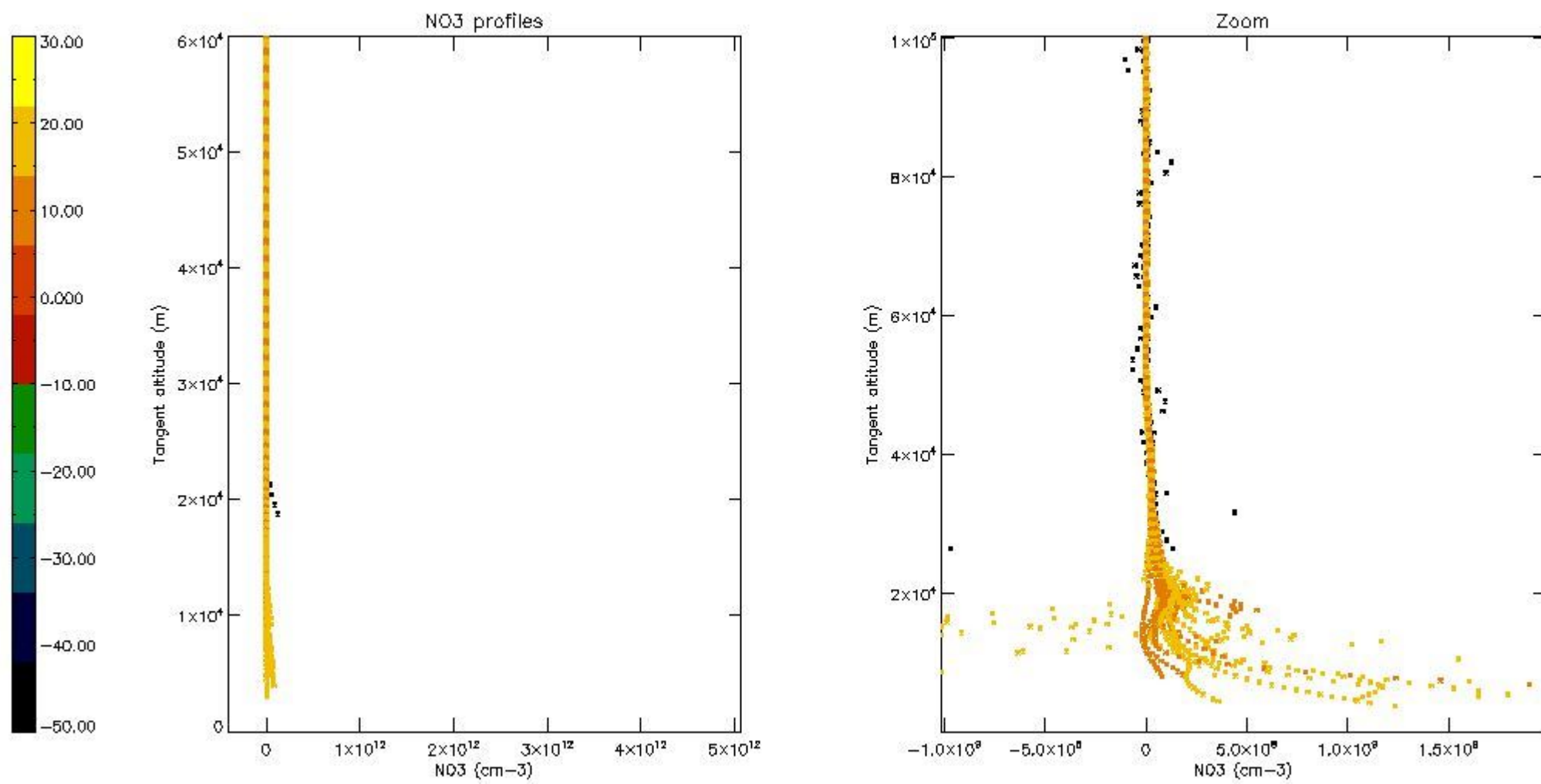
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



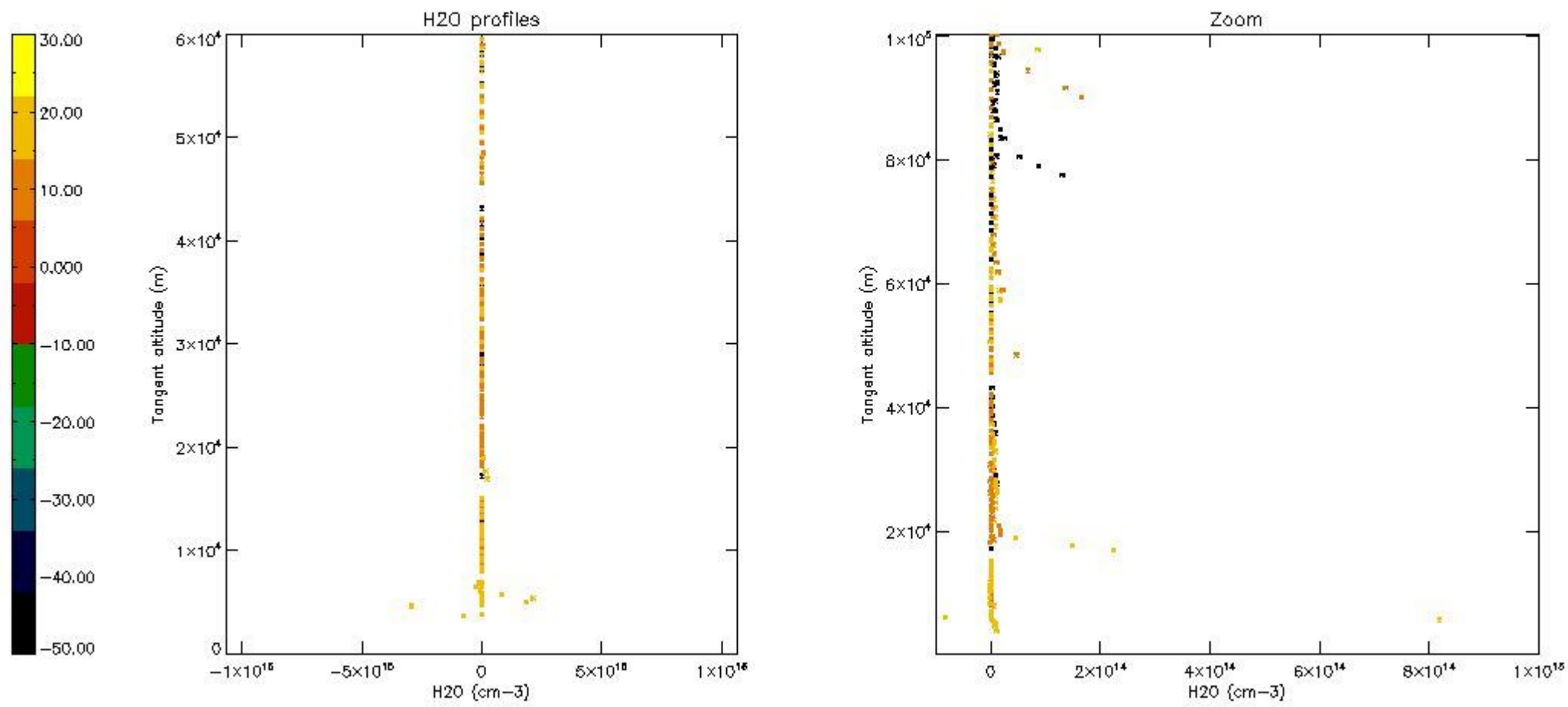
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

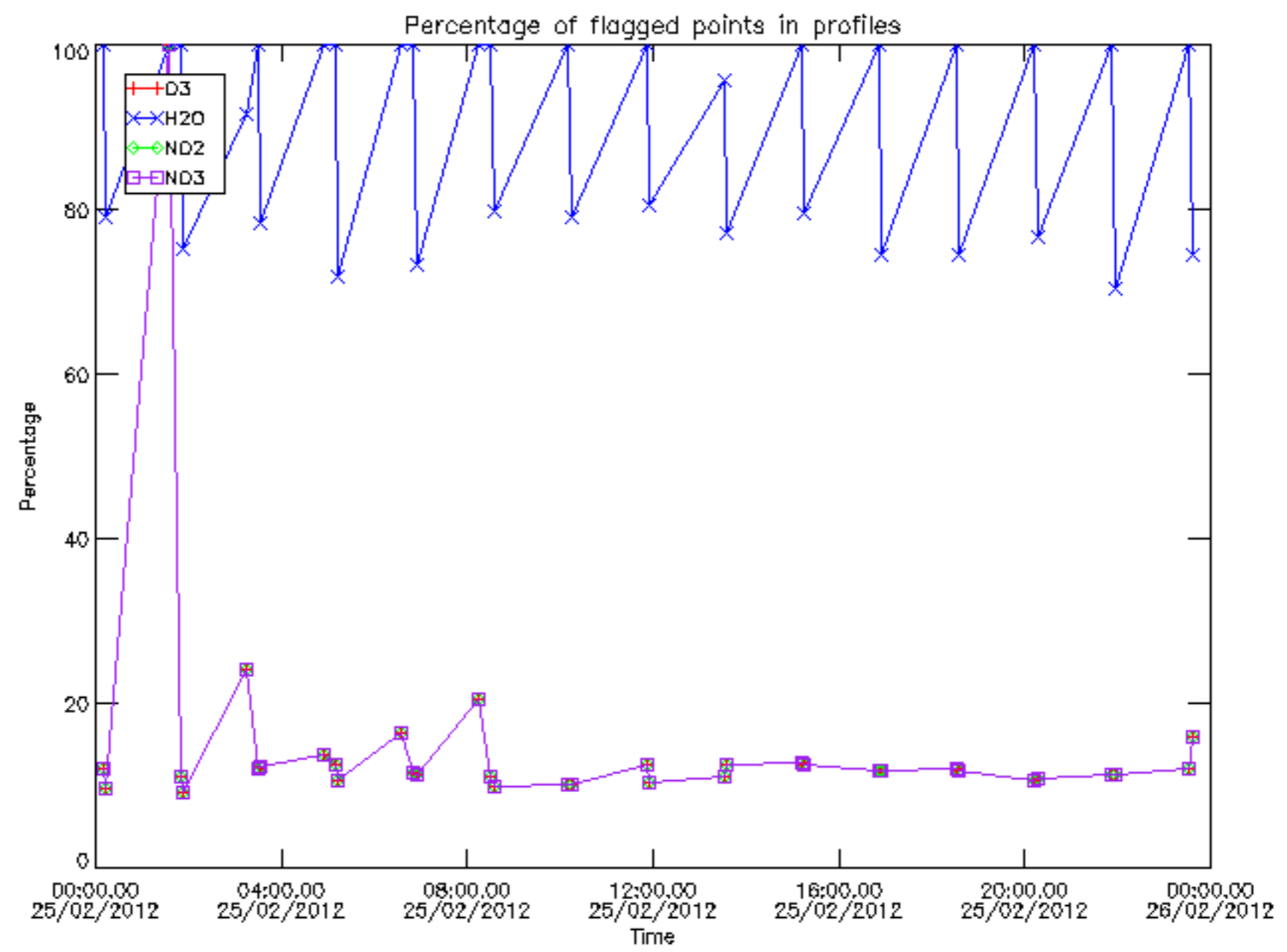
The colorbar represents the latitude.



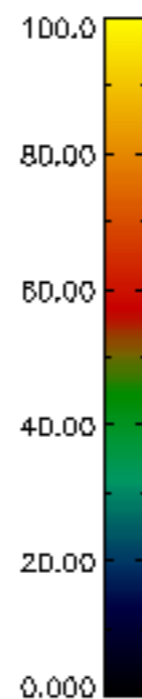
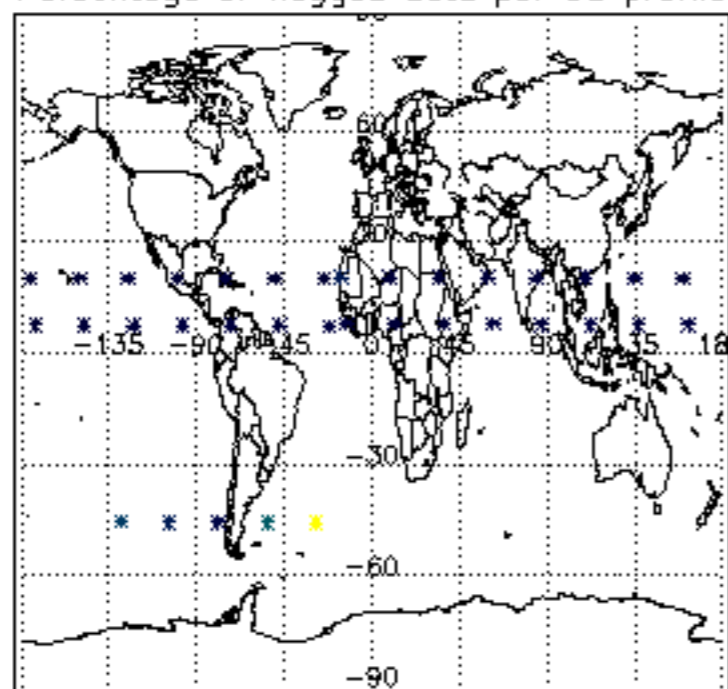
6. Auxiliary Data Files used for the production reported in section 2

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.

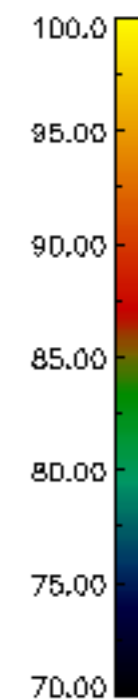
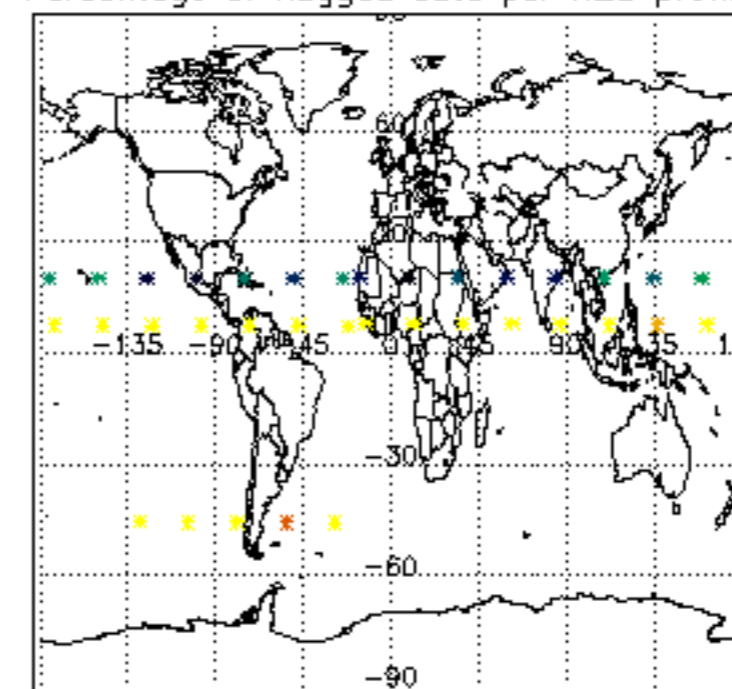
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20111213_163131_20111215_000000_20500101_000000	1	25-FEB-2012 00:09:27
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	25-FEB-2012 00:09:27
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	25-FEB-2012 00:09:27



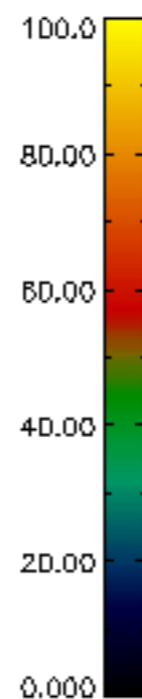
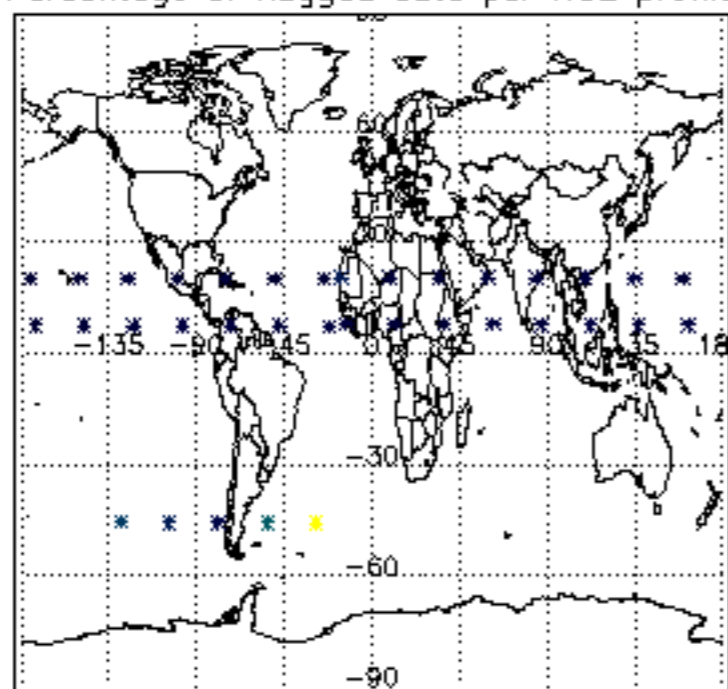
Percentage of flagged data per D3 profile



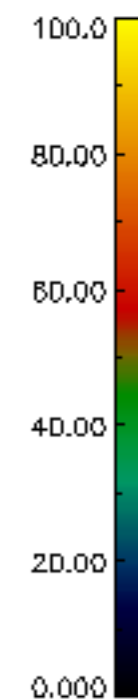
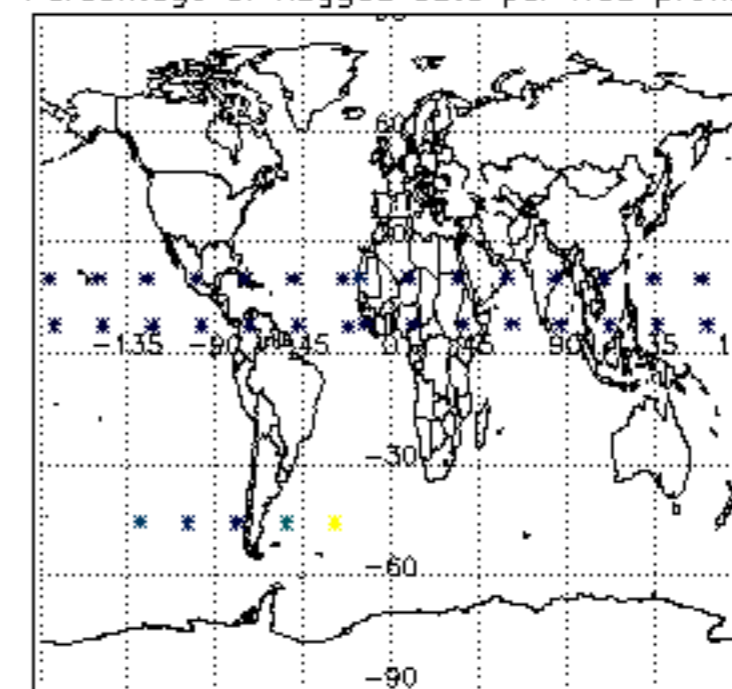
Percentage of flagged data per H2O profile

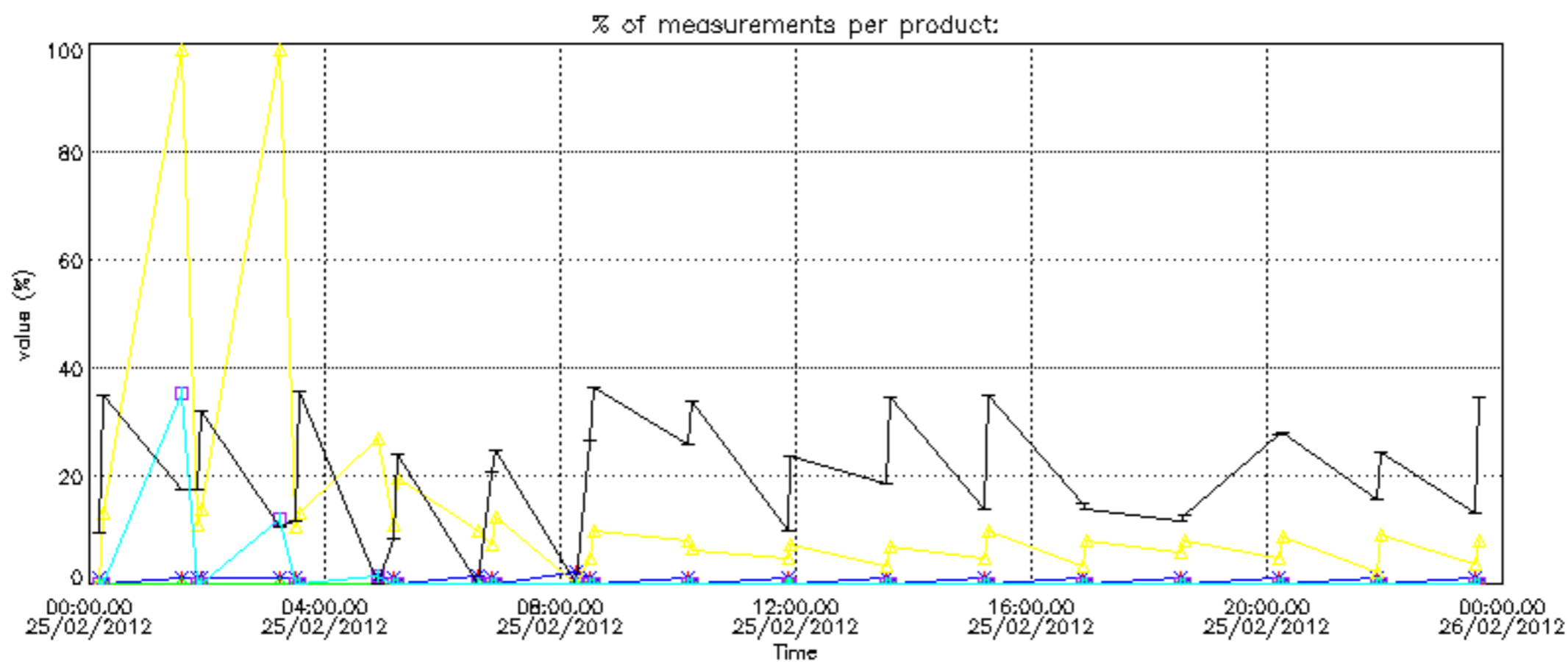


Percentage of flagged data per NO2 profile

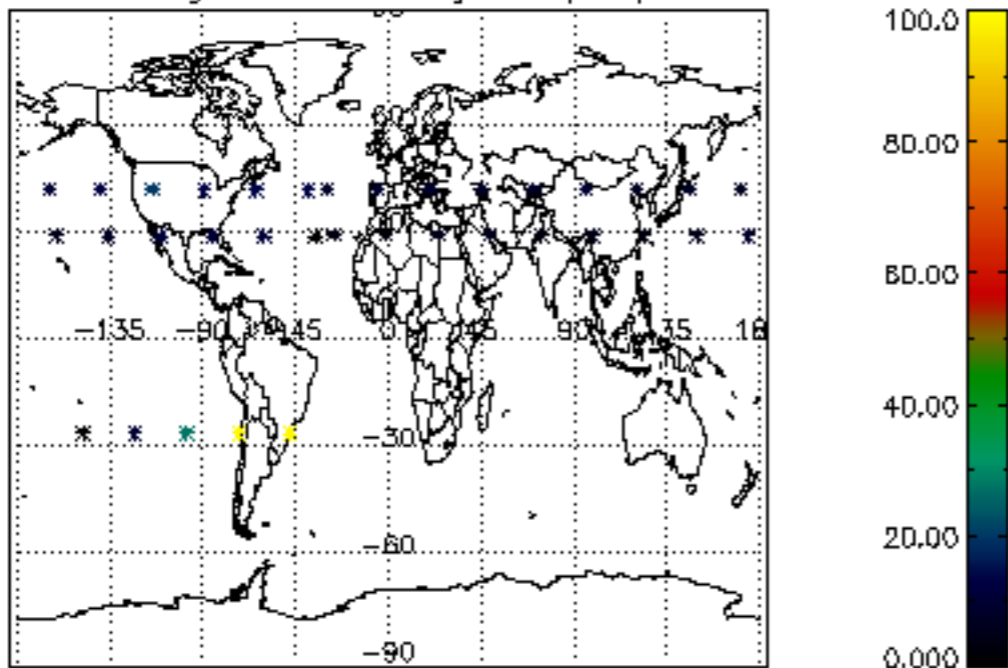


Percentage of flagged data per NO3 profile

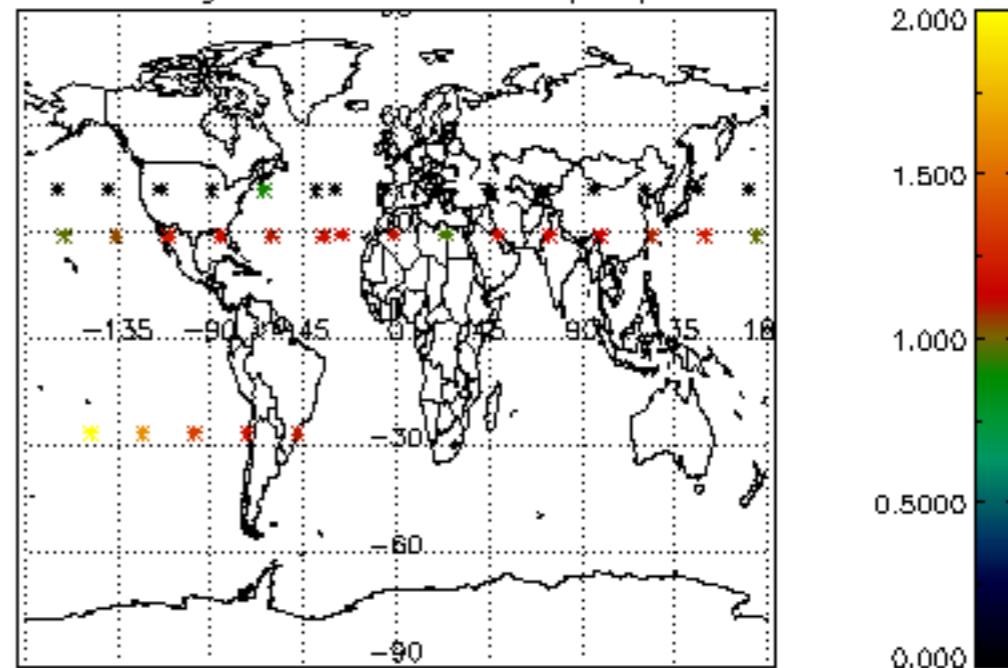




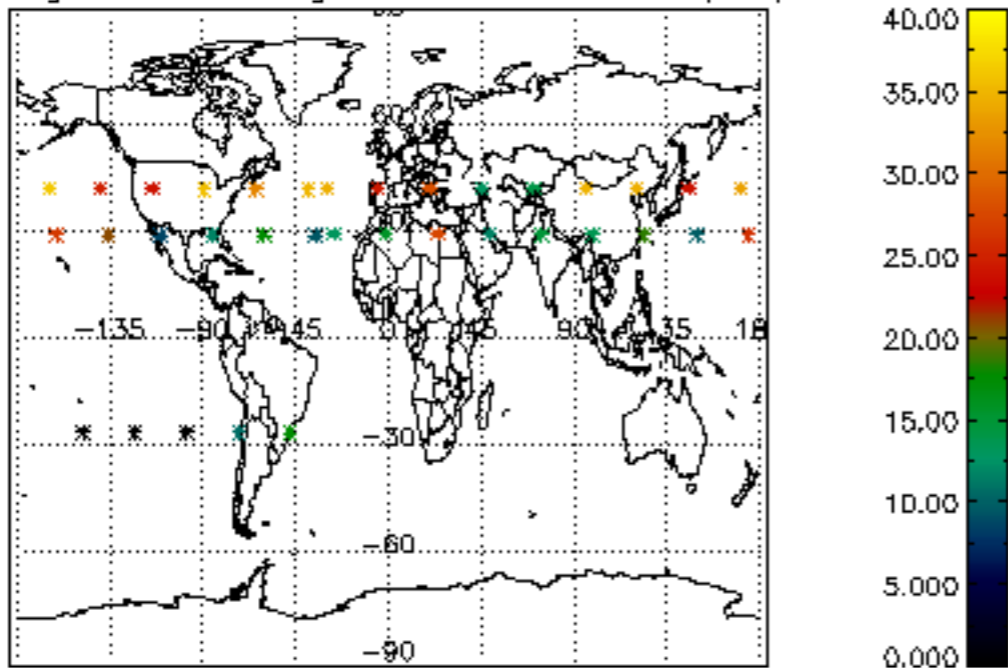
Percentage of cosmic ray hits per profile



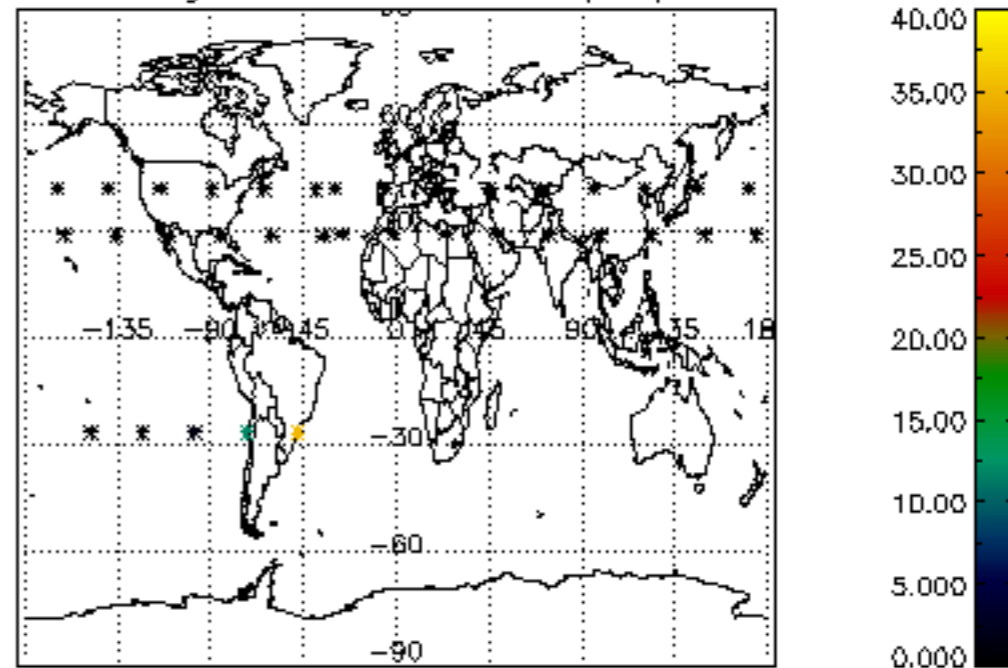
Percentage of datation errors per profile

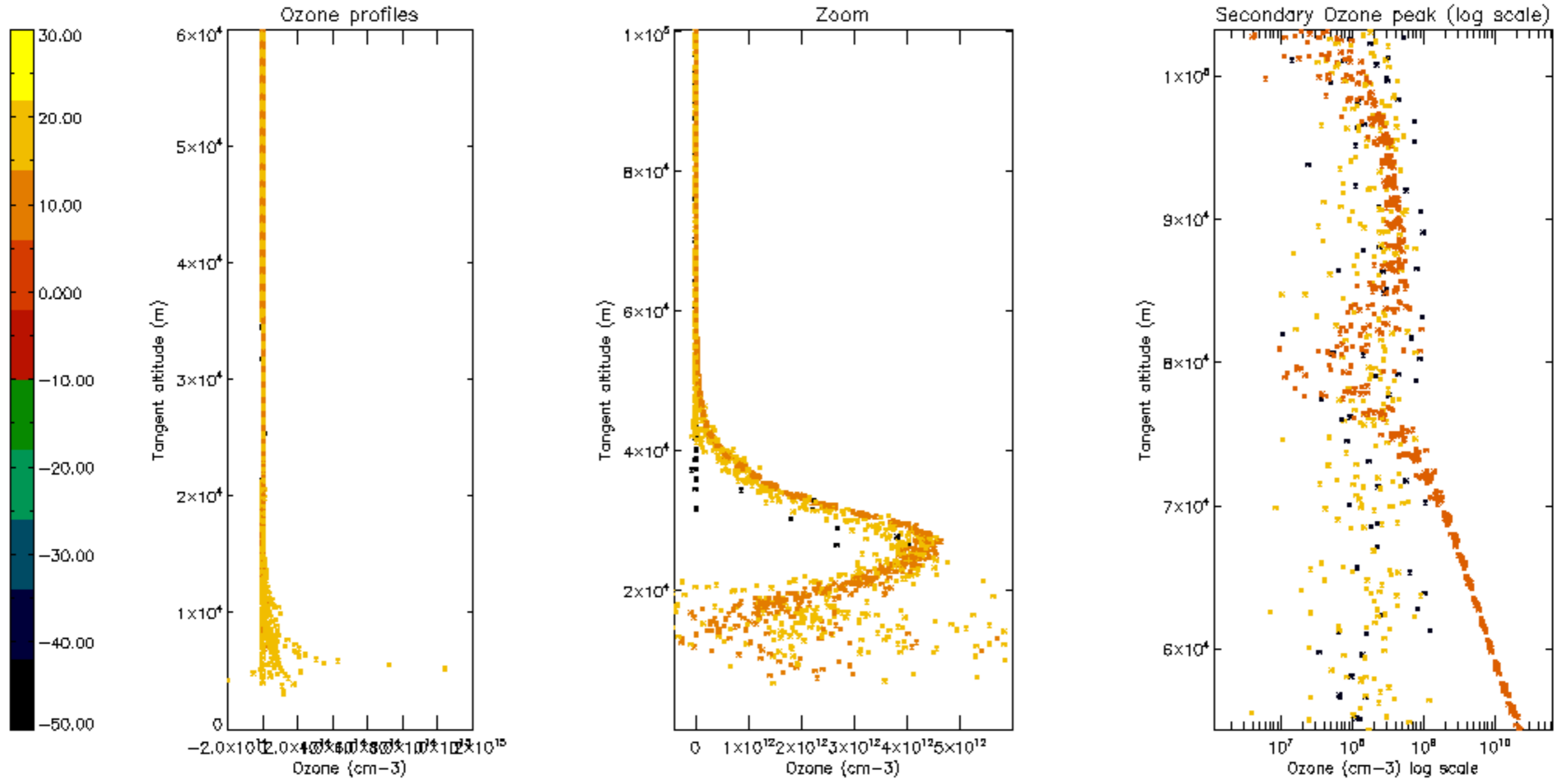


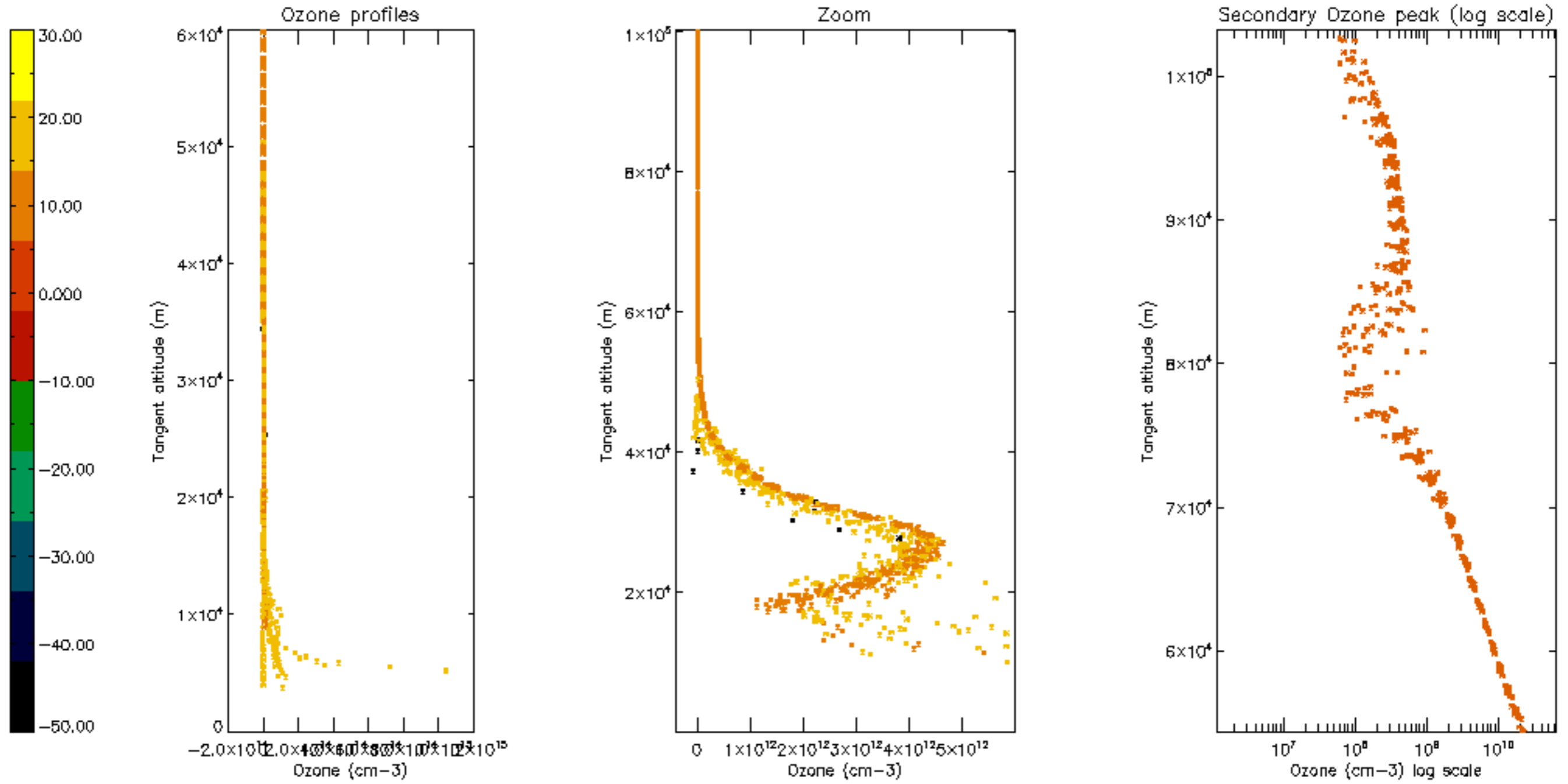
Percentage of star falling outside central band per profile

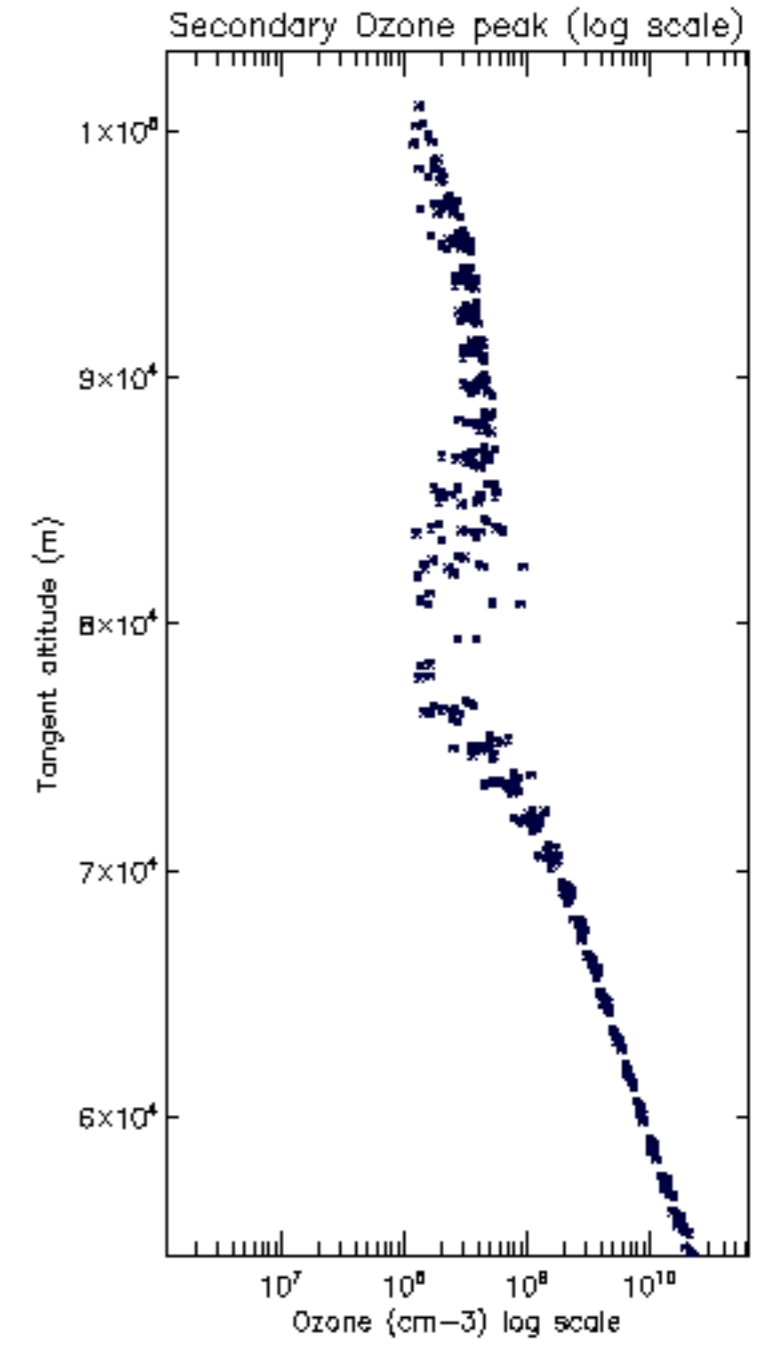
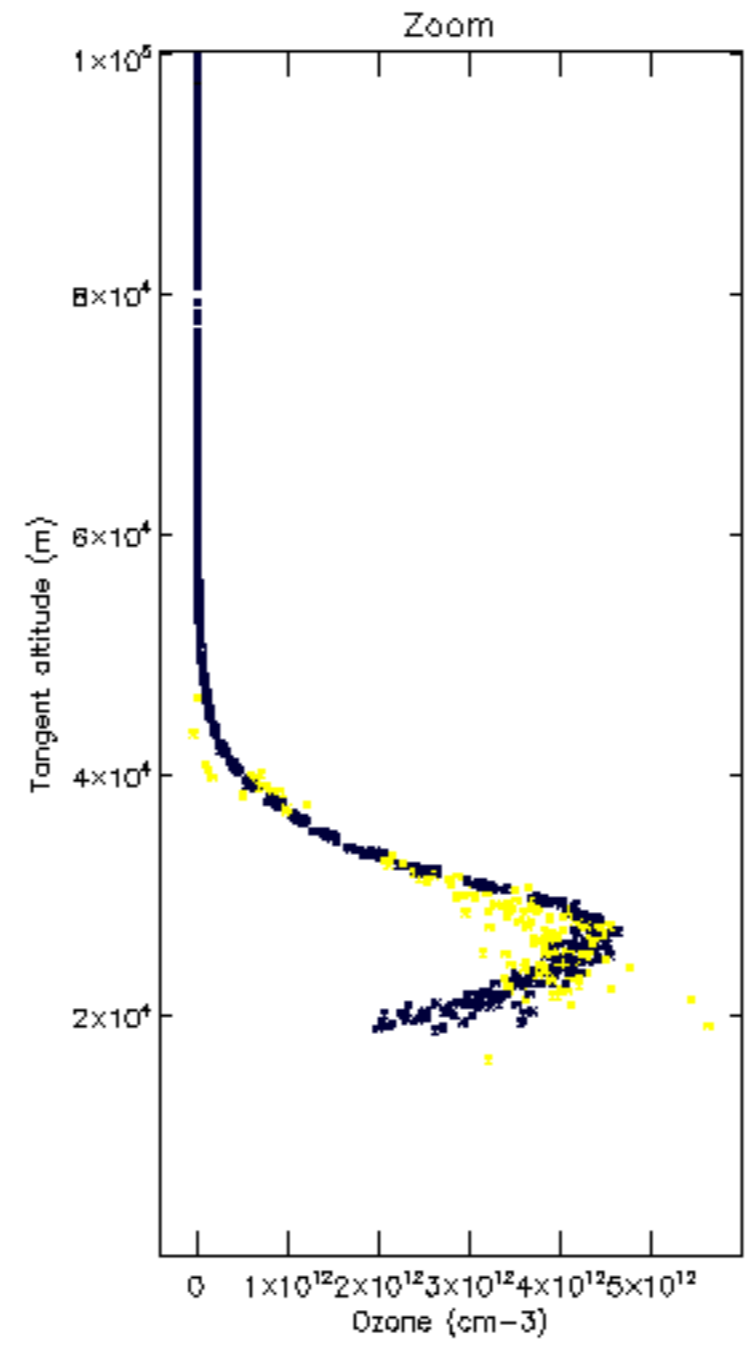
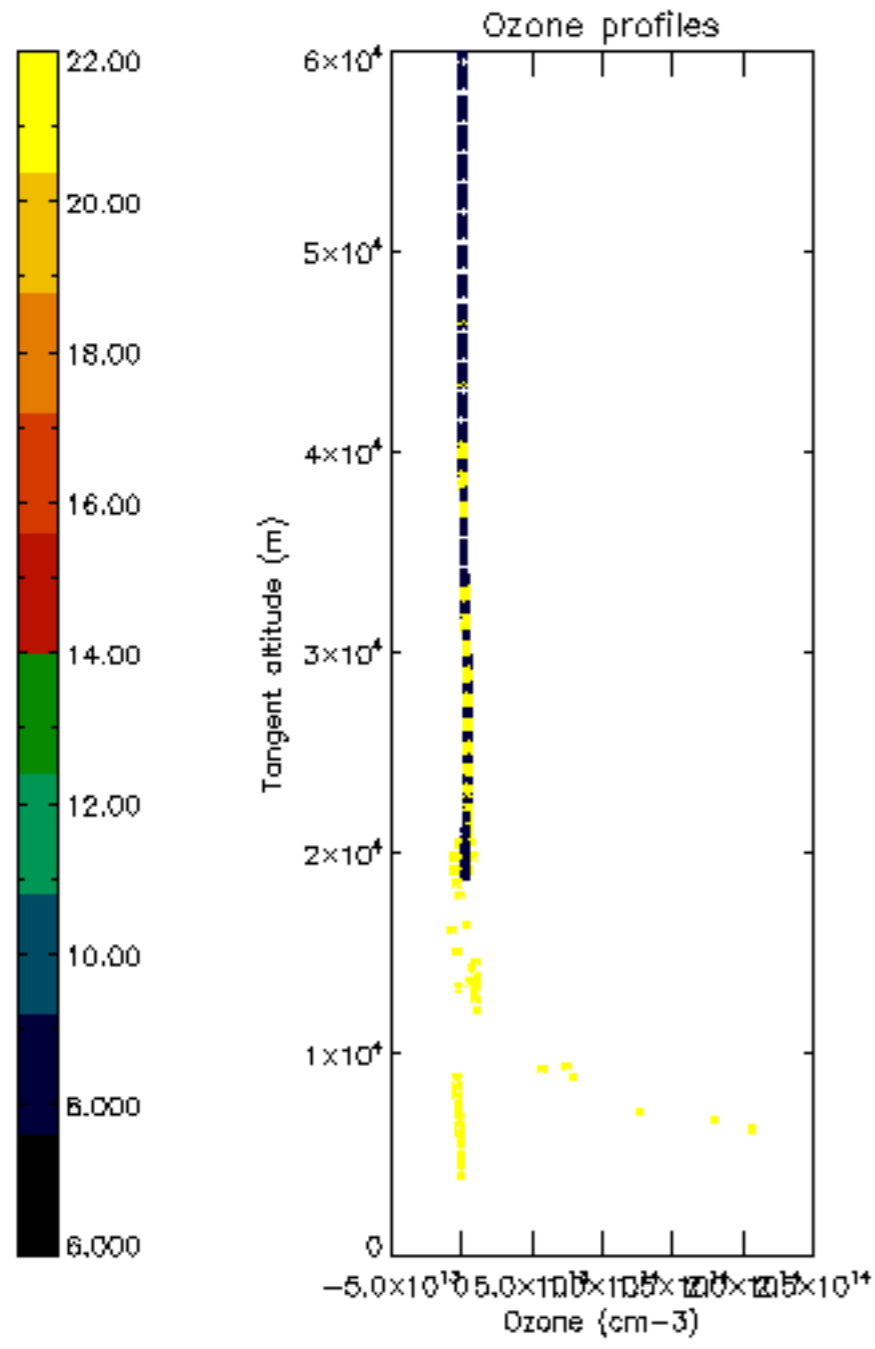


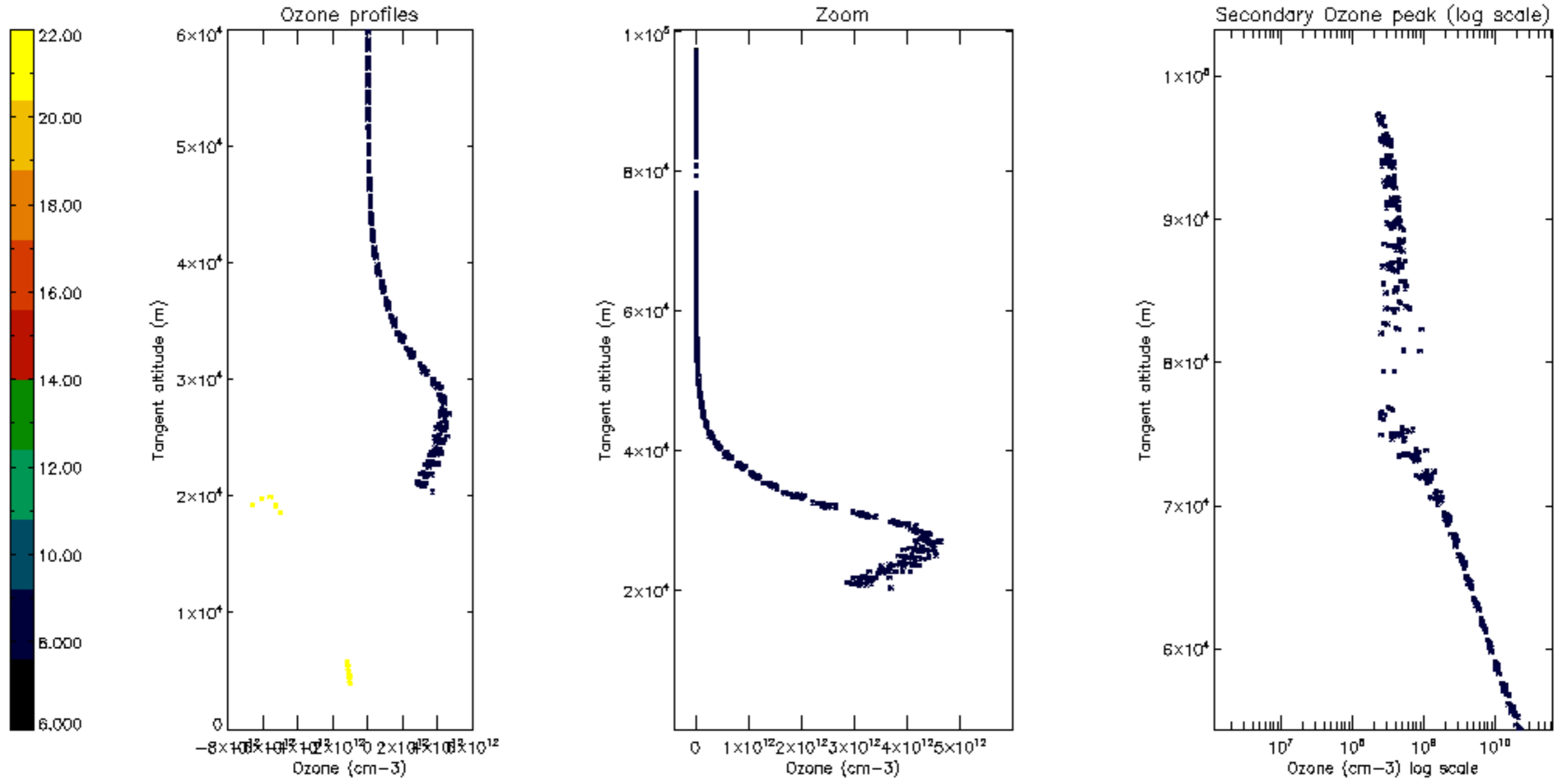
Percentage of saturation errors per profile

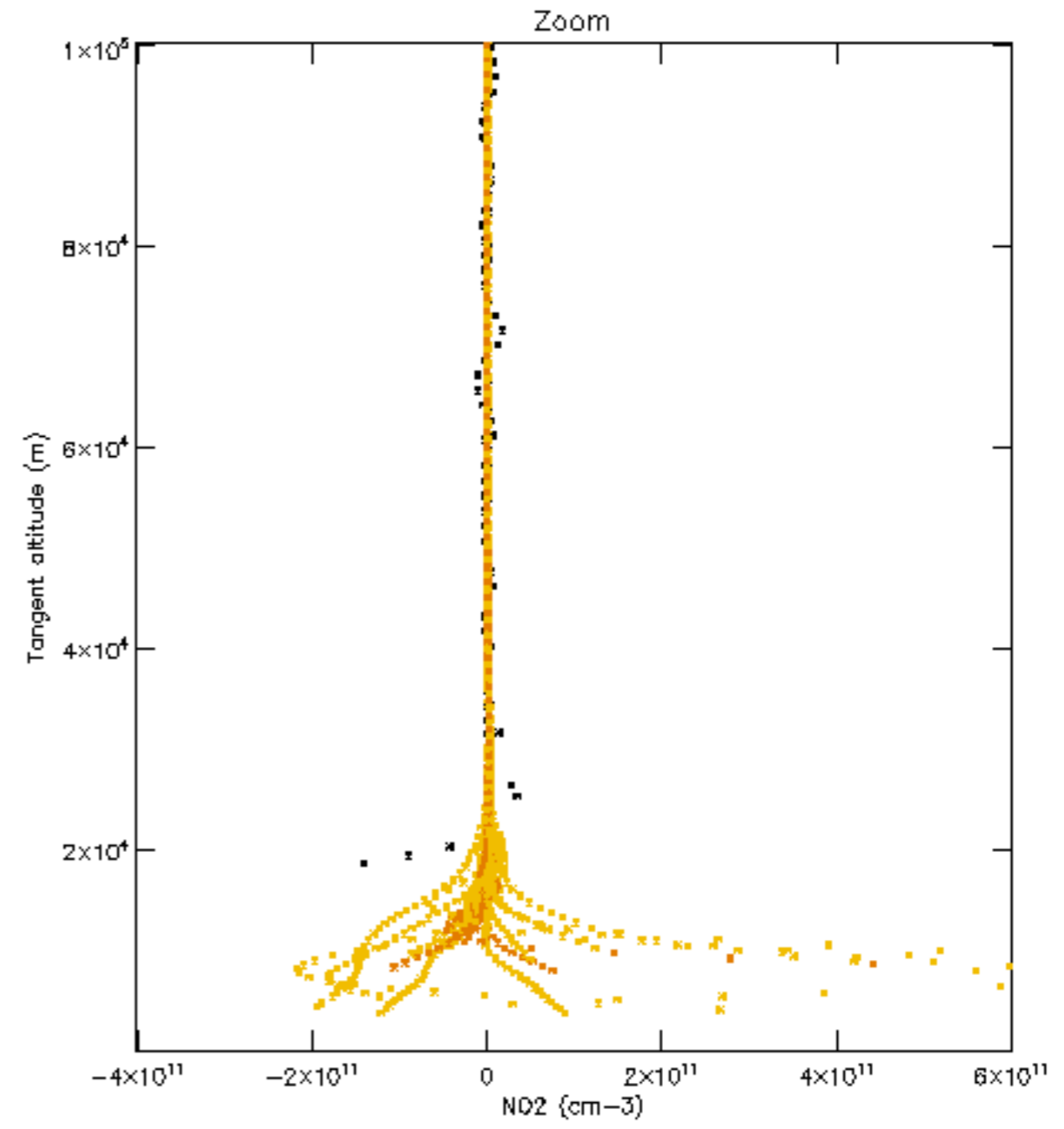
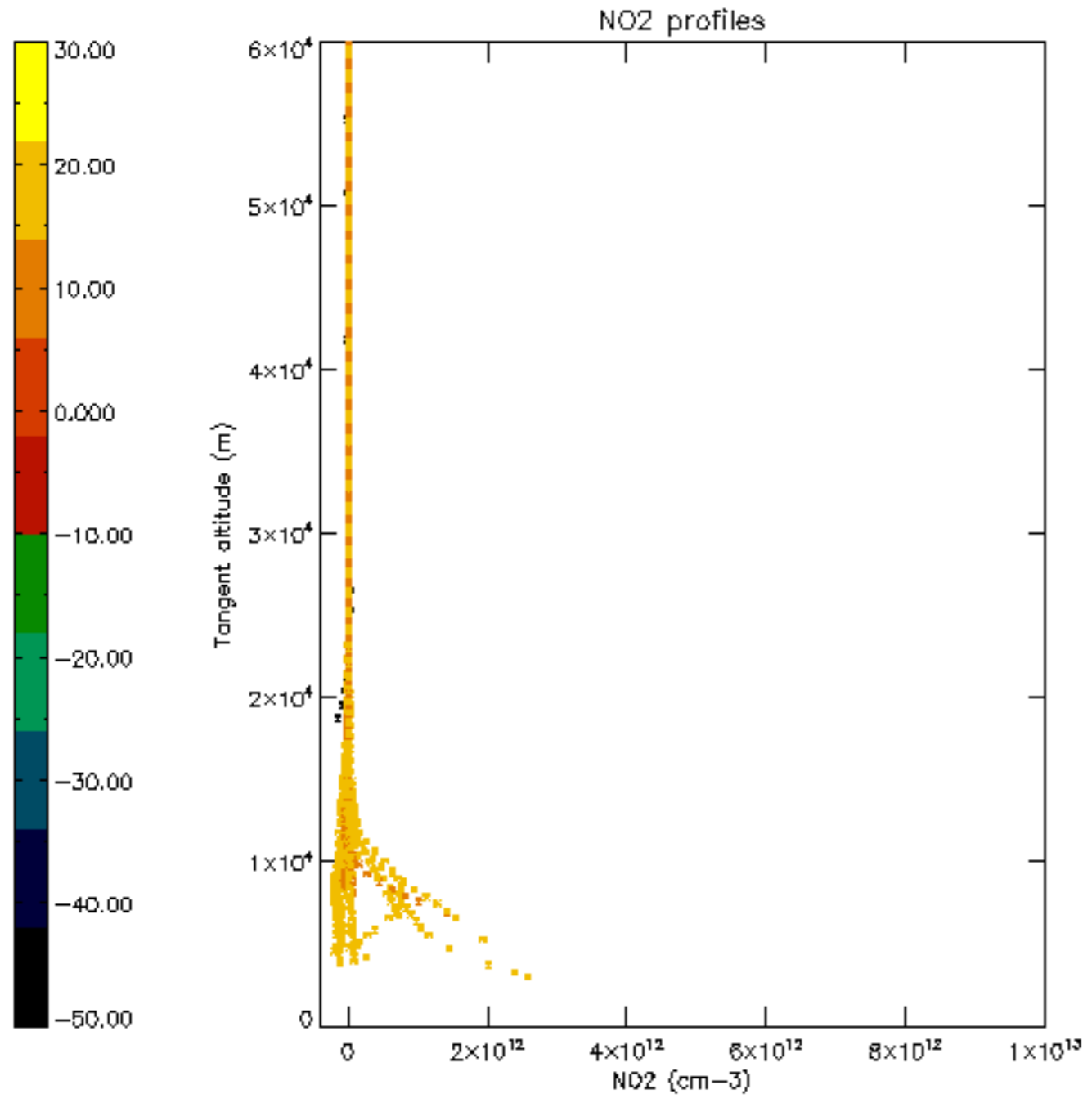


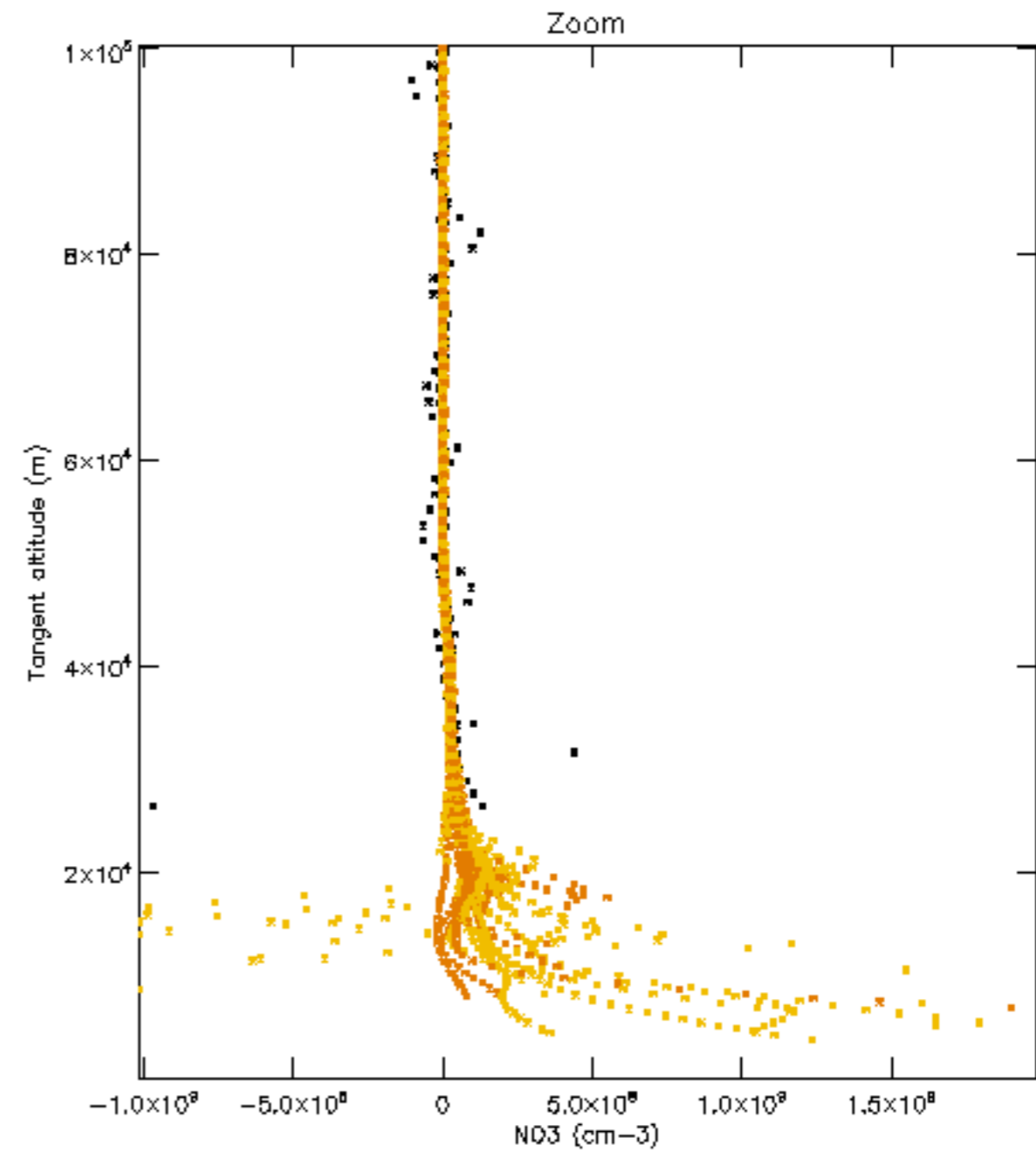
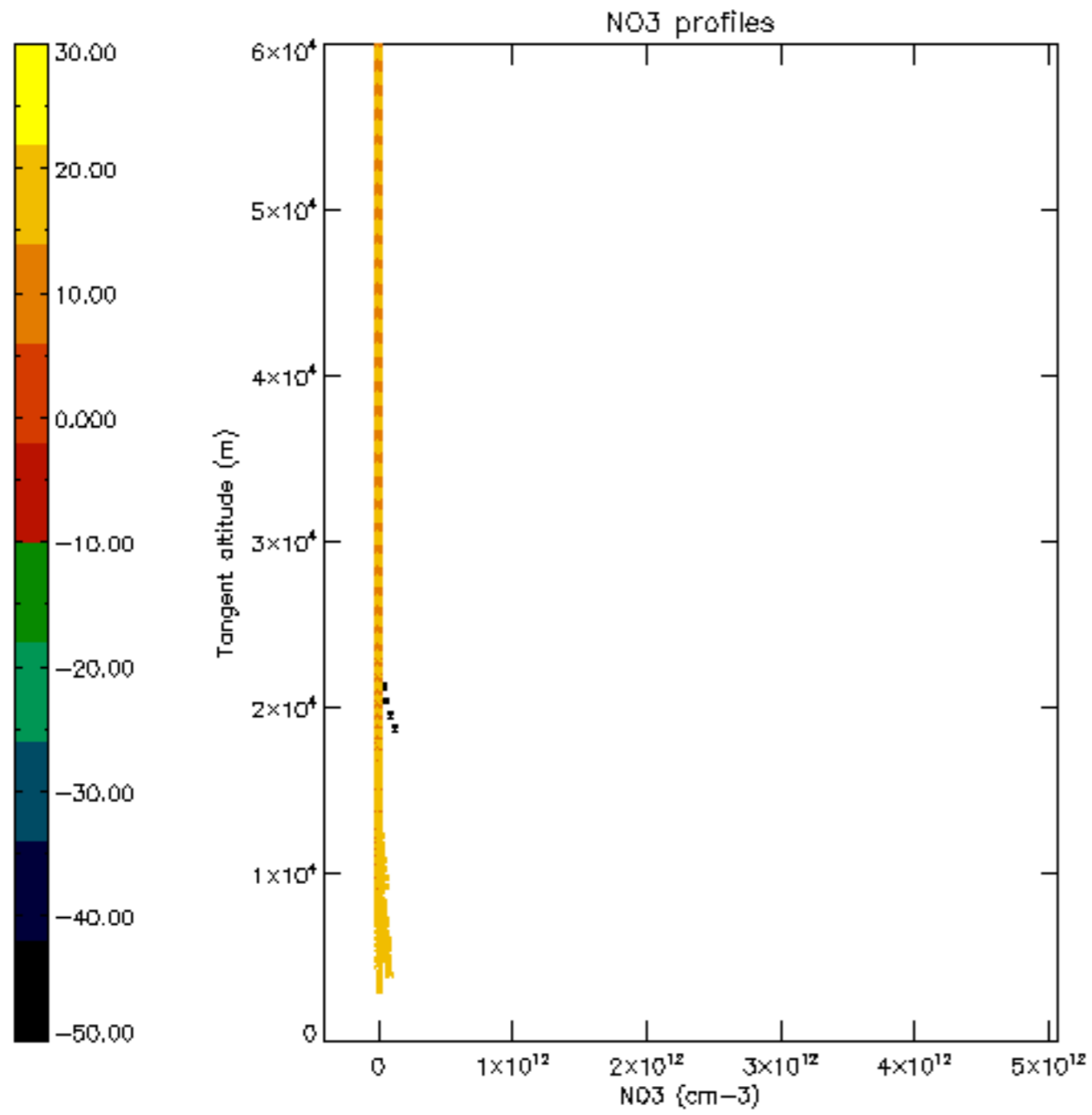


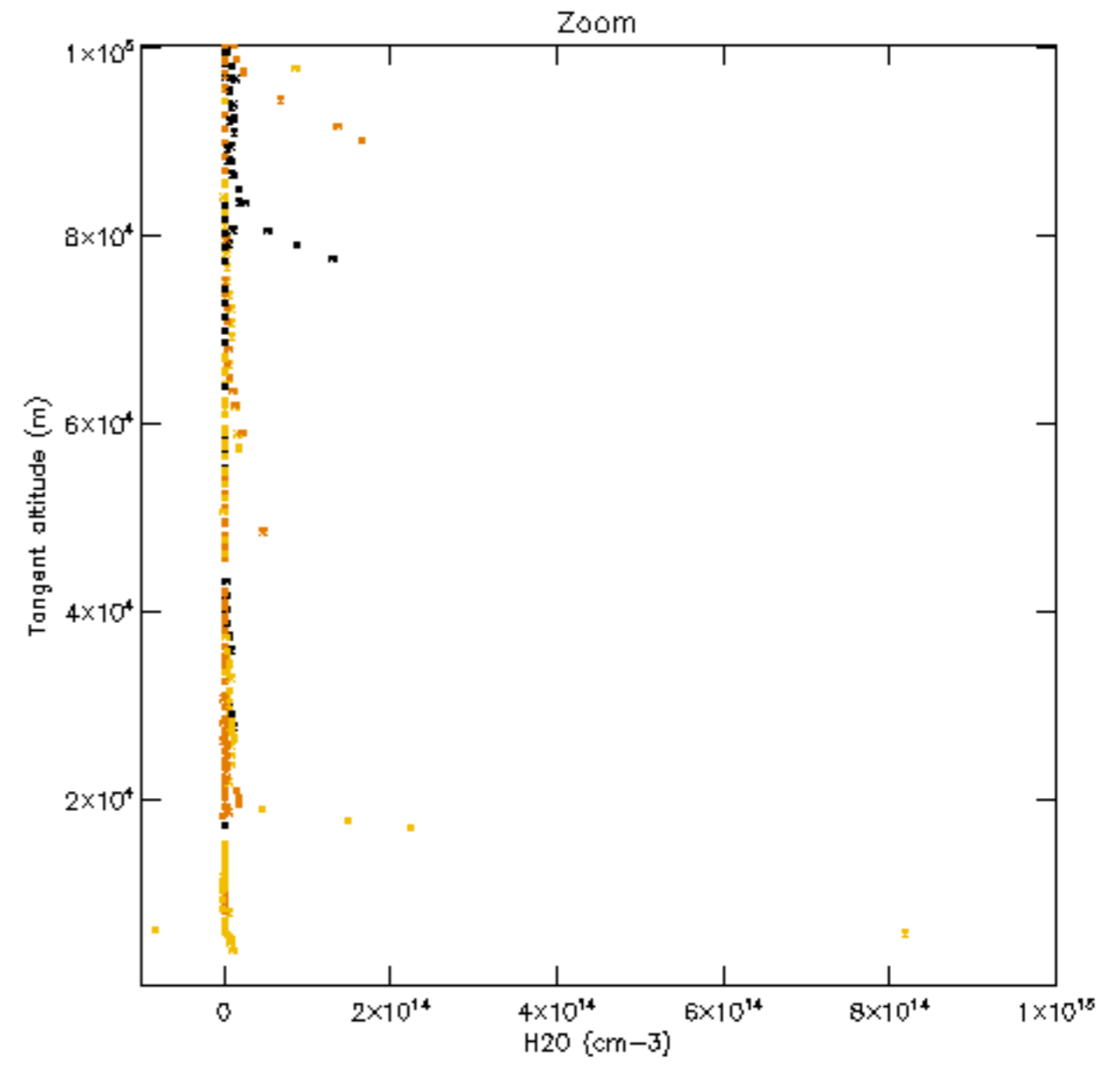
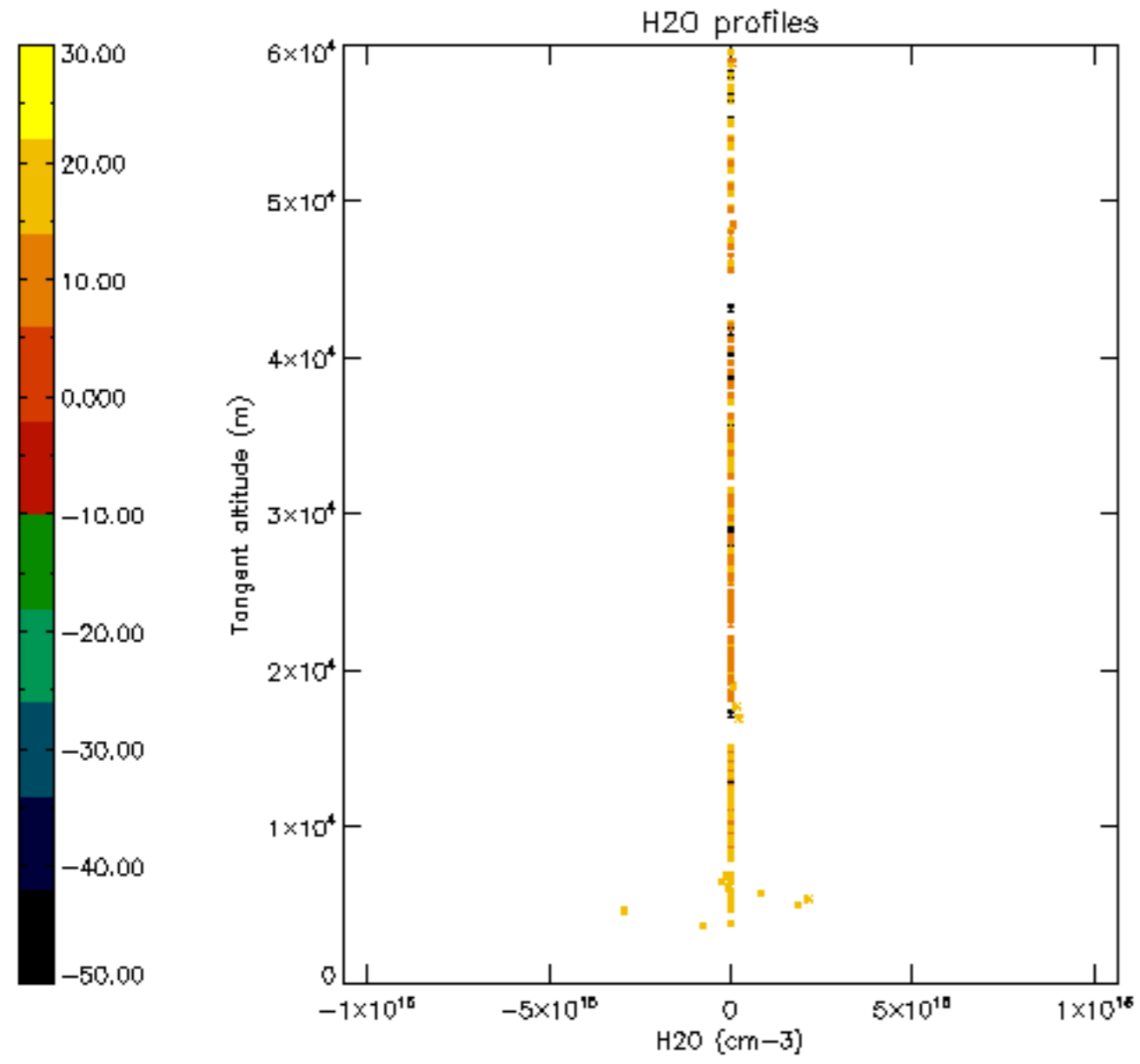


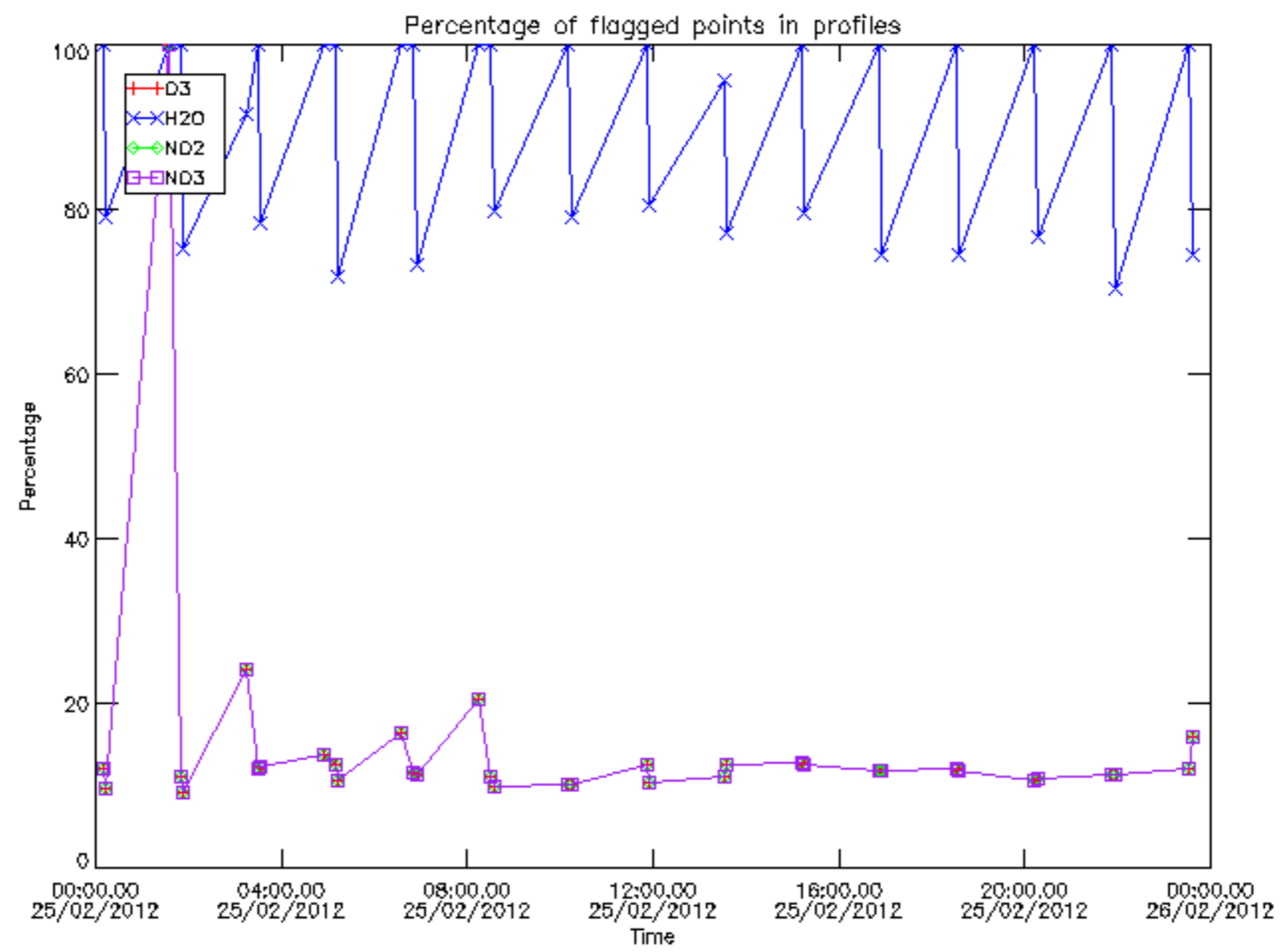




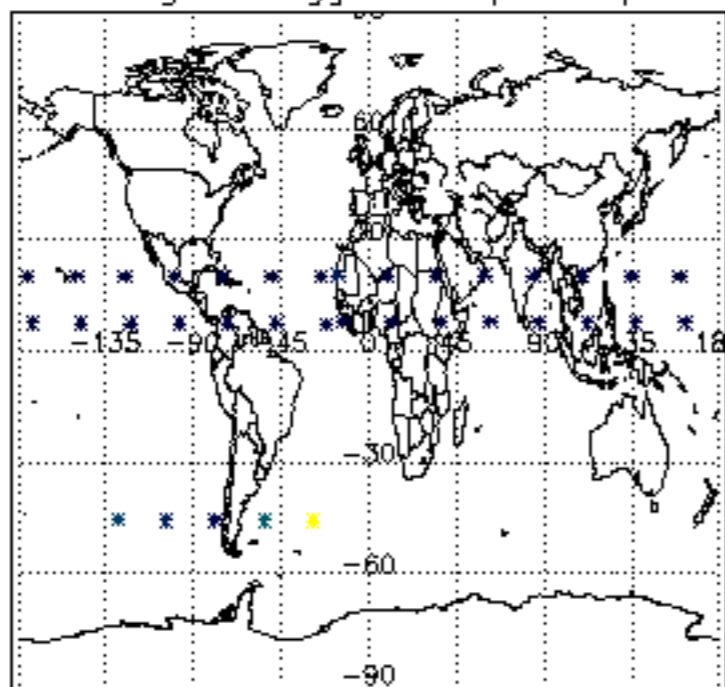




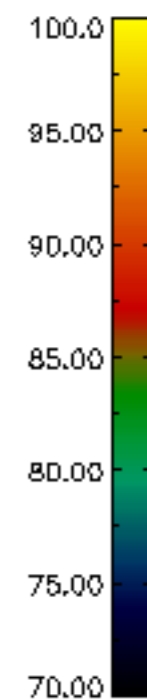
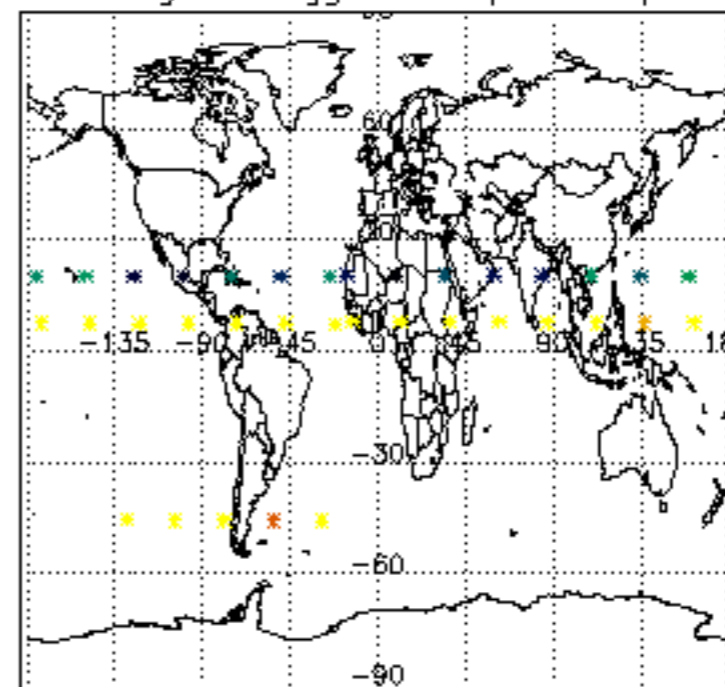




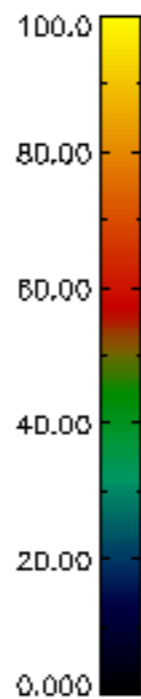
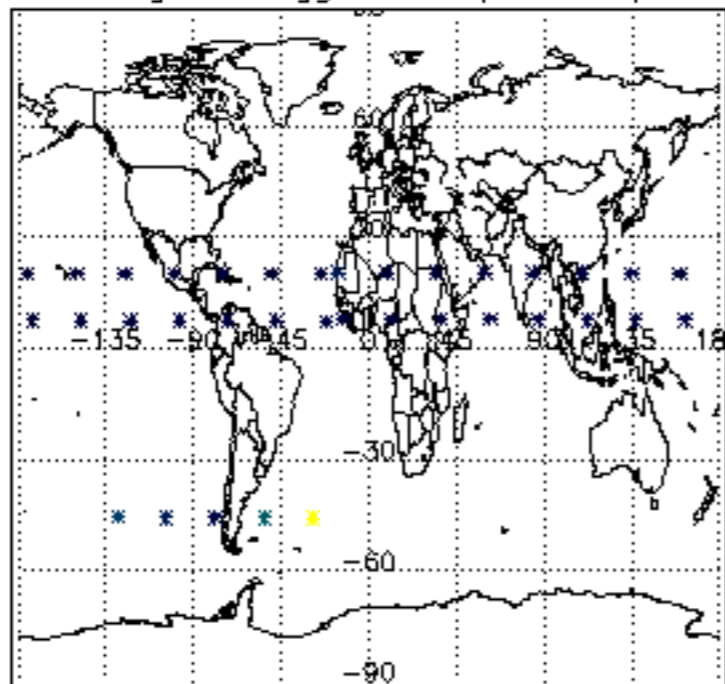
Percentage of flagged data per D3 profile



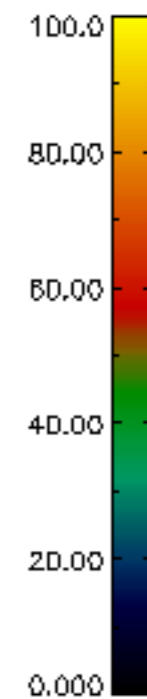
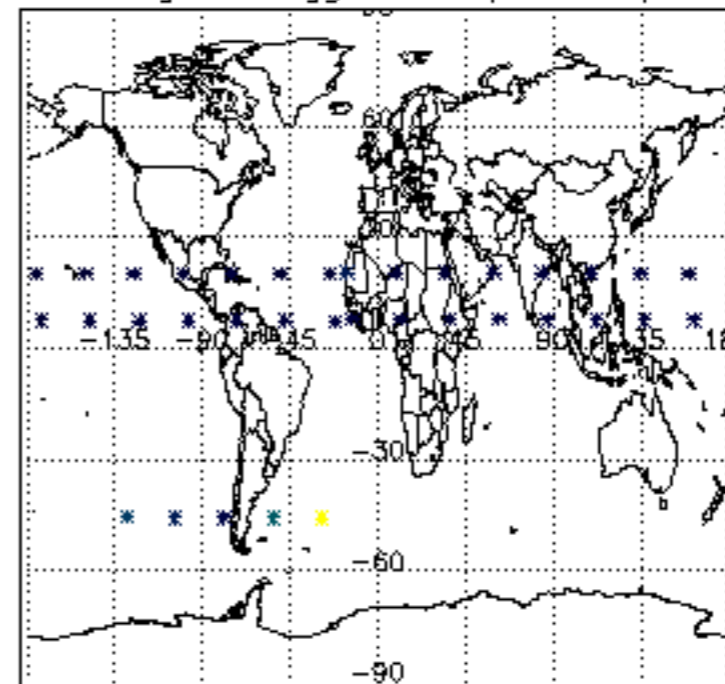
Percentage of flagged data per H2O profile

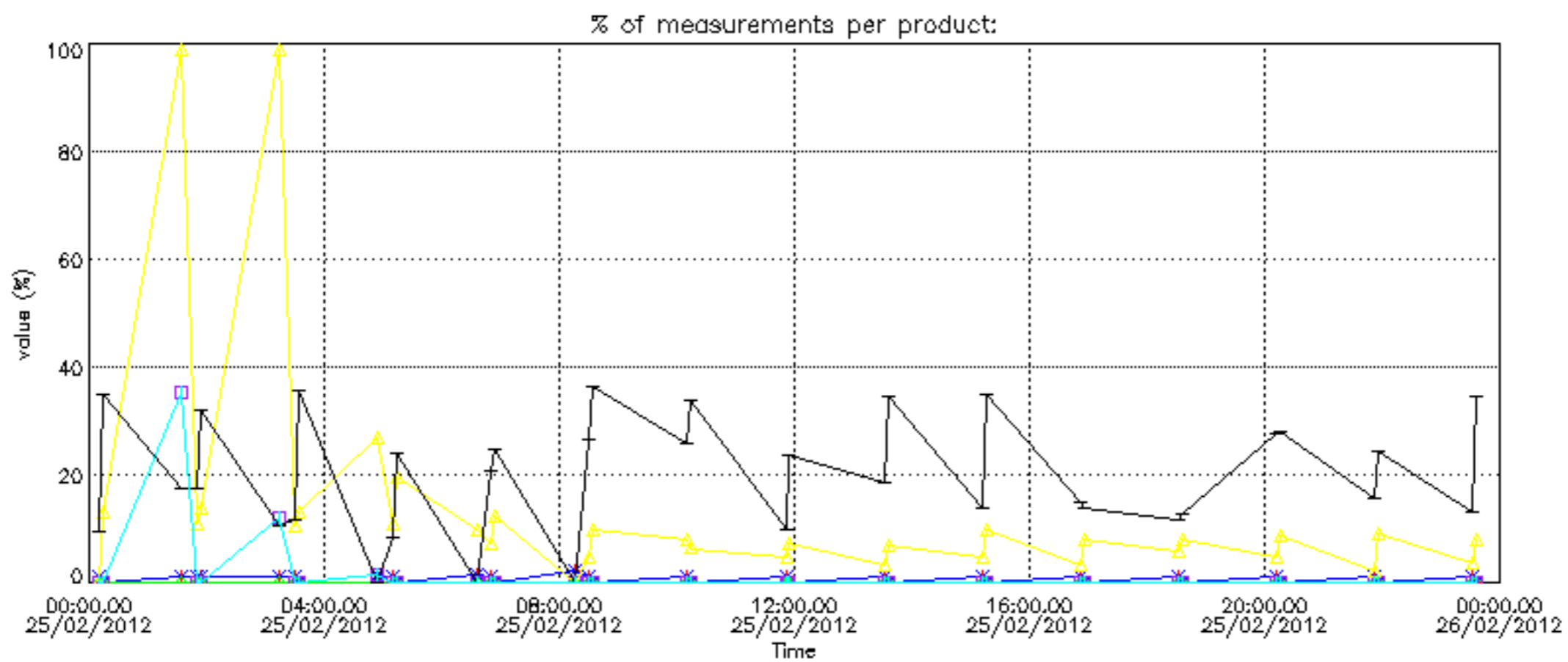


Percentage of flagged data per NO2 profile

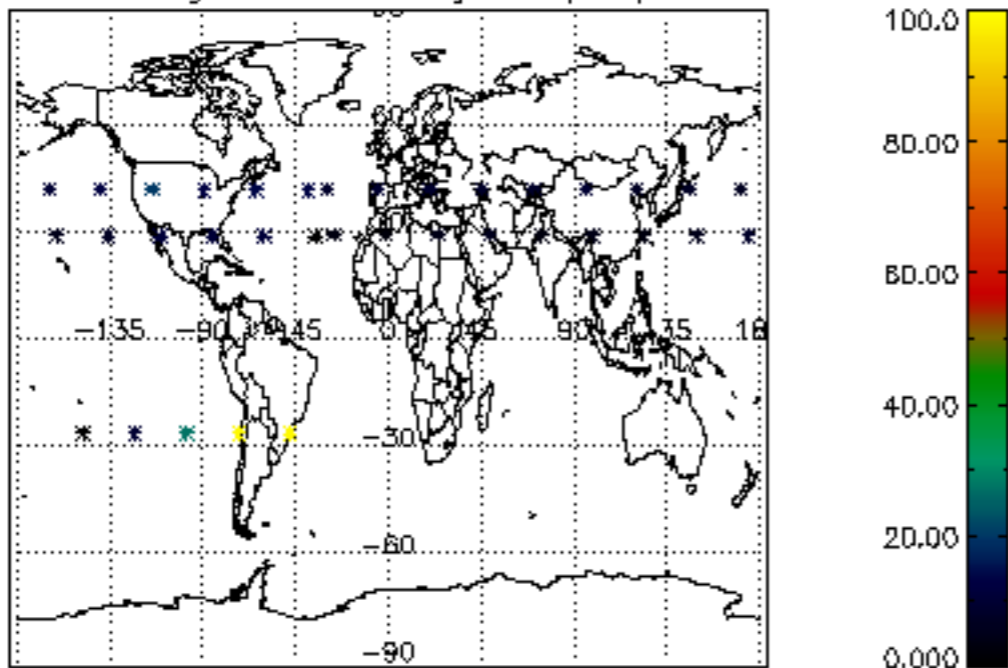


Percentage of flagged data per NO3 profile

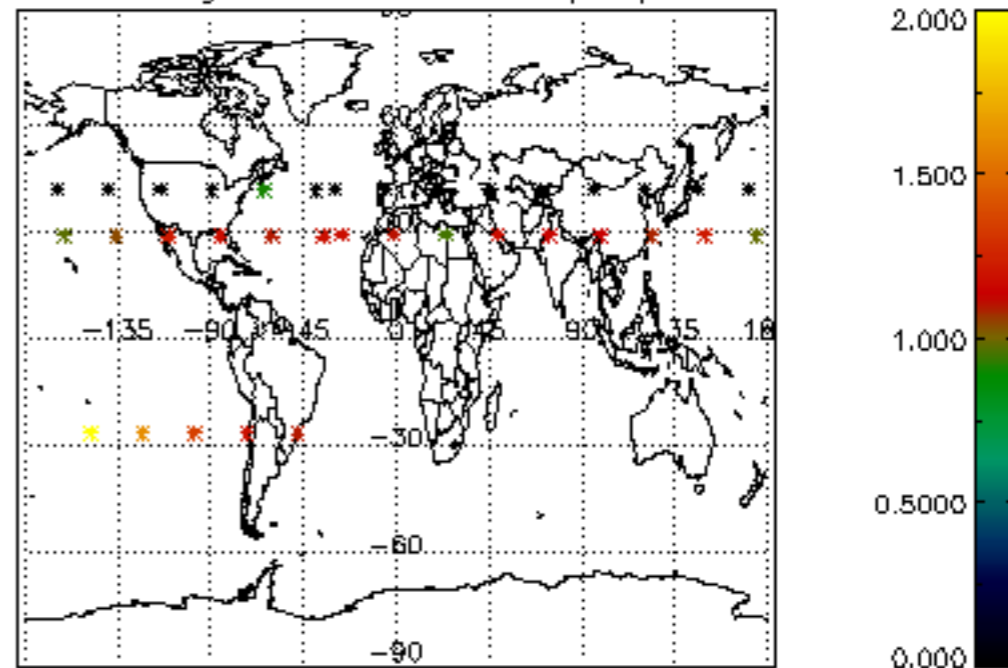




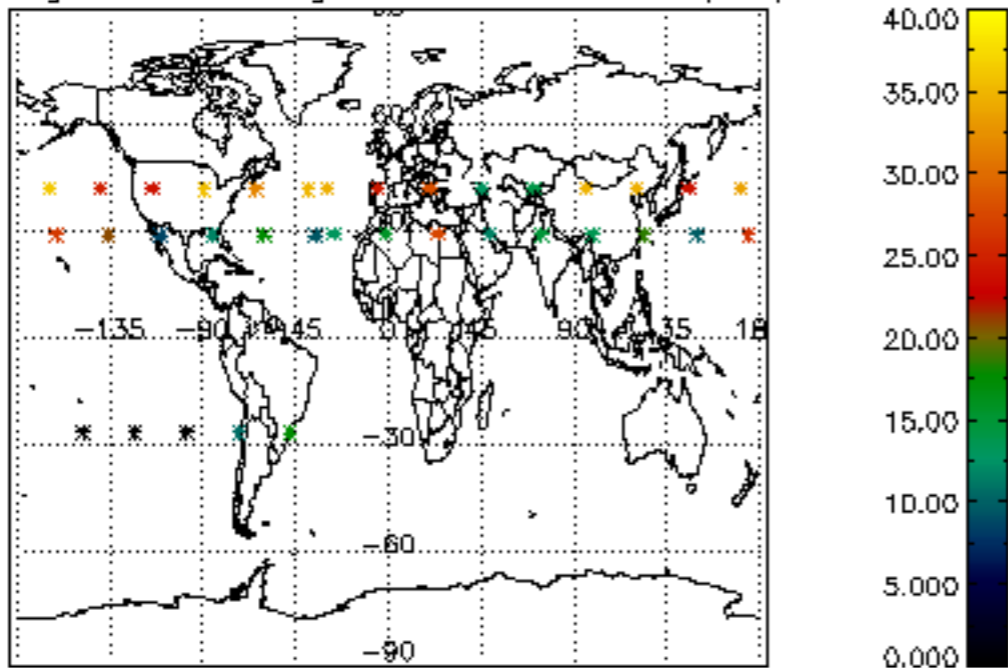
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

