

# GOMOS Level 2 Daily Report

## SUMMARY

### [1. General Info](#)

### [2. Summary of processed GOM\\_NL\\_2P products](#)

### [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](#)

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	19APR2013 14:16:06
Data source version	GOMOS/6.01
Start time of products	30-10-2004 (30OCT2004 00:00:00)
Stop time of products	31-10-2004 (31OCT2004 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	393
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__2PRFIN20041030_000303_000000522031_00360_13941_5571.N1	30-OCT-2004 00:03:03	Dark	51.500	2	Alp Car	-0.73600	7000.0	103	13941	No
2	GOM_NL__2PRFIN20041030_000511_000001022031_00360_13941_5572.N1	30-OCT-2004 00:05:11	Dark	101.50	179	24Omi2CMa	3.0320	24000.	203	13941	No
3	GOM_NL__2PRFIN20041030_000855_000000412031_00360_13941_5573.N1	30-OCT-2004 00:08:55	Dark	40.500	143	Alp Hyi	2.8570	7200.0	81	13941	No
4	GOM_NL__2PRFIN20041030_001018_000000442031_00360_13941_5574.N1	30-OCT-2004 00:10:18	Dark	43.500	9	Alp Eri	0.45300	24000.	87	13941	No
5	GOM_NL__2PRFIN20041030_001329_000000462031_00360_13941_5575.N1	30-OCT-2004 00:13:29	Straylight	45.500	157	The1Eri	2.9060	9300.0	91	13941	No
6	GOM_NL__2PRFIN20041030_001632_000001082031_00360_13941_5576.N1	30-OCT-2004 00:16:32	Straylight	107.50	139	9Bet Lep	2.8330	5600.0	215	13941	No
7	GOM_NL__2PRFIN20041030_002139_000000432031_00360_13941_5577.N1	30-OCT-2004 00:21:39	Straylight	42.500	52	16Bet Cet	2.0370	4500.0	85	13941	No
8	GOM_NL__2PRFIN20041030_002815_000000702031_00360_13941_5578.N1	30-OCT-2004 00:28:15	Bright	70.000	94	92Alp Cet	2.5260	3100.0	140	13941	No
9	GOM_NL__2PRFIN20041030_003109_000000382031_00360_13941_5579.N1	30-OCT-2004 00:31:09	Bright	38.000	140	88Gam Peg	2.8340	26000.	76	13941	No
10	GOM_NL__2PRFIN20041030_003236_000000422031_00360_13941_5580.N1	30-OCT-2004 00:32:36	Bright	42.000	105	6Bet Ari	2.6450	8900.0	84	13941	No
11	GOM_NL__2PRFIN20041030_003458_000000412031_00360_13941_5581.N1	30-OCT-2004 00:34:58	Bright	40.500	58	21Alp And	2.0730	11000.	81	13941	No
12	GOM_NL__2PRFIN20041030_003635_000000392031_00360_13941_5582.N1	30-OCT-2004 00:36:35	Bright	39.000	53	43Bet And	2.0480	3300.0	78	13941	No
13	GOM_NL__2PRFIN20041030_003907_000000422031_00360_13941_5583.N1	30-OCT-2004 00:39:07	Bright	41.500	73	57Gam1And	2.2600	13100.	83	13941	No
14	GOM_NL__2PRFIN20041030_004038_000000472031_00360_13941_5584.N1	30-OCT-2004 00:40:38	Bright	46.500	79	26Bet Per	2.3100	13100.	93	13941	No
15	GOM_NL__2PRFIN20041030_004226_000000362031_00360_13941_5585.N1	30-OCT-2004 00:42:26	Bright	36.000	68	18Alp Cas	2.2250	4500.0	72	13941	No
16	GOM_NL__2PRFIN20041030_004338_000000362031_00360_13941_5586.N1	30-OCT-2004 00:43:38	Bright	35.500	76	27Gam Cas	2.3000	30000.	71	13941	No
17	GOM_NL__2PRFIN20041030_004657_000000392031_00360_13941_5587.N1	30-OCT-2004 00:46:57	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	13941	No
18	GOM_NL__2PRFIN20041030_005140_000000382031_00360_13941_5588.N1	30-OCT-2004 00:51:40	Bright	38.000	49	1Alp UMi	1.9900	6300.0	76	13941	No
19	GOM_NL__2PRFIN20041030_005528_000000412031_00360_13941_5589.N1	30-OCT-2004 00:55:28	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	13941	No
20	GOM_NL__2PRFIN20041030_005951_000000422031_00360_13941_5590.N1	30-OCT-2004 00:59:51	Bright	42.000	36	50Alp UMa	1.8000	6300.0	84	13941	No
21	GOM_NL__2PRFIN20041030_010124_000000382031_00360_13941_5591.N1	30-OCT-2004 01:01:24	Bright	38.000	32	77Eps UMa	1.7630	11000.	76	13941	No
22	GOM_NL__2PRFIN20041030_010238_000000372031_00360_13941_5592.N1	30-OCT-2004 01:02:38	Bright	37.000	39	85Eta UMa	1.8540	24000.	74	13941	No
23	GOM_NL__2PRFIN20041030_010508_000000392031_00360_13941_5593.N1	30-OCT-2004 01:05:08	Bright	39.000	174	52Psi UMa	3.0040	4400.0	78	13941	No
24	GOM_NL__2PRFIN20041030_011203_000002552031_00360_13941_5594.N1	30-OCT-2004 01:12:03	Twilight	254.50	24	66Alp Gem	1.5800	10200.	509	13941	No
25	GOM_NL__2PRFIN20041030_012550_000000682031_00360_13941_5595.N1	30-OCT-2004 01:25:50	Dark	67.500	48	30Alp Hya	1.9770	4100.0	135	13941	No
26	GOM_NL__2PRFIN20041030_013120_000000392031_00360_13941_5596.N1	30-OCT-2004 01:31:20	Dark	38.500	99	Del Cen	2.5750	26000.	77	13941	No
27	GOM_NL__2PRFIN20041030_013330_000000402031_00360_13941_5597.N1	30-OCT-2004 01:33:30	Dark	39.500	129	Del Cru	2.7930	26000.	79	13941	No
28	GOM_NL__2PRFIN20041030_013645_000000452031_00361_13942_5570.N1	30-OCT-2004 01:36:45	Dark	44.500	71	lot Car	2.2460	7700.0	89	13942	No
29	GOM_NL__2PRFIN20041030_013810_000000492031_00361_13942_5571.N1	30-OCT-2004 01:38:10	Dark	49.000	34	Gam2Vel	1.7930	23000.	98	13942	No
30	GOM_NL__2PRFIN20041030_014340_000000632031_00361_13942_5572.N1	30-OCT-2004 01:43:40	Dark	63.000	2	Alp Car	-0.73600	7000.0	126	13942	No
31	GOM_NL__2PRFIN20041030_014550_000001032031_00361_13942_5573.N1	30-OCT-2004 01:45:50	Dark	102.50	179	24Omi2CMa	3.0320	24000.	205	13942	No
32	GOM_NL__2PRFIN20041030_014931_000000392031_00361_13942_5574.N1	30-OCT-2004 01:49:31	Dark	39.000	143	Alp Hyi	2.8570	7200.0	78	13942	No
33	GOM_NL__2PRFIN20041030_015054_000000432031_00361_13942_5575.N1	30-OCT-2004 01:50:54	Dark	43.000	9	Alp Eri	0.45300	24000.	86	13942	No
34	GOM_NL__2PRFIN20041030_015407_000000452031_00361_13942_5576.N1	30-OCT-2004 01:54:07	Straylight	44.500	157	The1Eri	2.9060	9300.0	89	13942	No
35	GOM_NL__2PRFIN20041030_015709_000001092031_00361_13942_5577.N1	30-OCT-2004 01:57:09	Straylight	108.50	139	9Bet Lep	2.8330	5600.0	217	13942	No
36	GOM_NL__2PRFIN20041030_020215_000000452031_00361_13942_5578.N1	30-OCT-2004 02:02:15	Straylight	45.000	52	16Bet Cet	2.0370	4500.0	90	13942	No
37	GOM_NL__2PRFIN20041030_020853_000000702031_00361_13942_5579.N1	30-OCT-2004 02:08:53	Bright	69.500	94	92Alp Cet	2.5260	3100.0	139	13942	No
38	GOM_NL__2PRFIN20041030_021144_000000392031_00361_13942_5580.N1	30-OCT-2004 02:11:44	Bright	38.500	140	88Gam Peg	2.8340	26000.	77	13942	No
39	GOM_NL__2PRFIN20041030_021312_000000432031_00361_13942_5581.N1	30-OCT-2004 02:13:12	Bright	43.000	105	6Bet Ari	2.6450	8900.0	86	13942	No
40	GOM_NL__2PRFIN20041030_021536_000000392031_00361_13942_5582.N1	30-OCT-2004 02:15:36	Bright	39.000	58	21Alp And	2.0730	11000.	78	13942	No
41	GOM_NL__2PRFIN20041030_021710_000000422031_00361_13942_5583.N1	30-OCT-2004 02:17:10	Bright	42.000	53	43Bet And	2.0480	3300.0	84	13942	No
42	GOM_NL__2PRFIN20041030_021943_000000412031_00361_13942_5584.N1	30-OCT-2004 02:19:43	Bright	41.000	73	57Gam1And	2.2600	13100.	82	13942	No











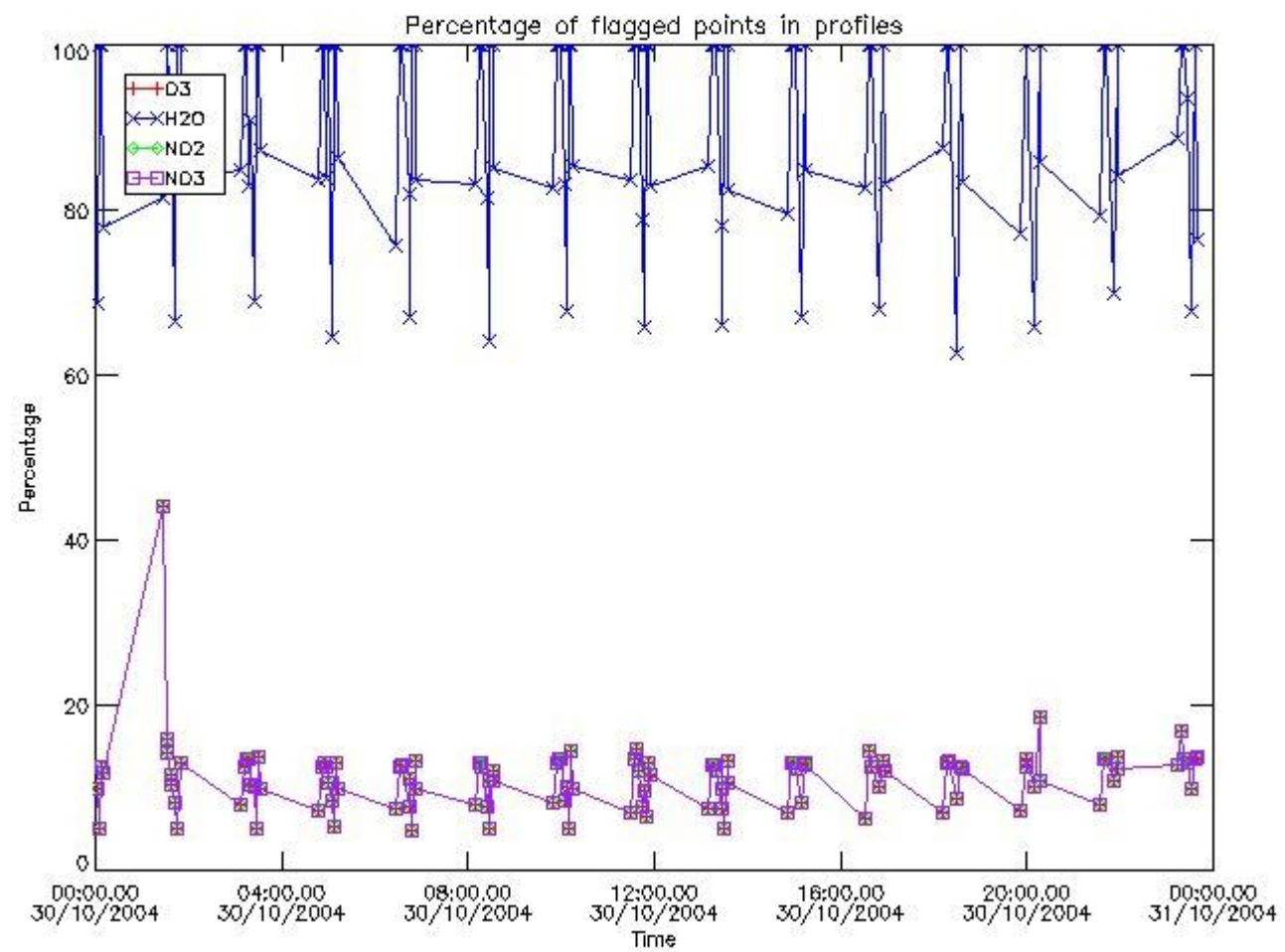




### 3. Quality information per product

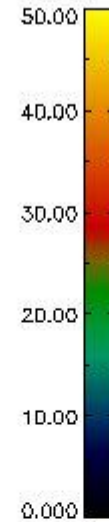
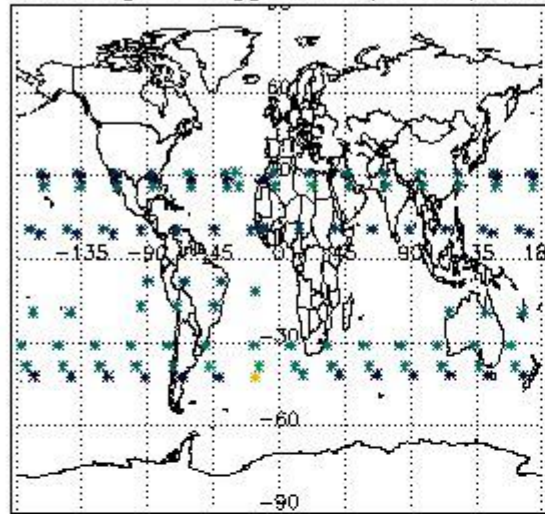
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

#### 3.1 Plot quality information per product (time dependant)

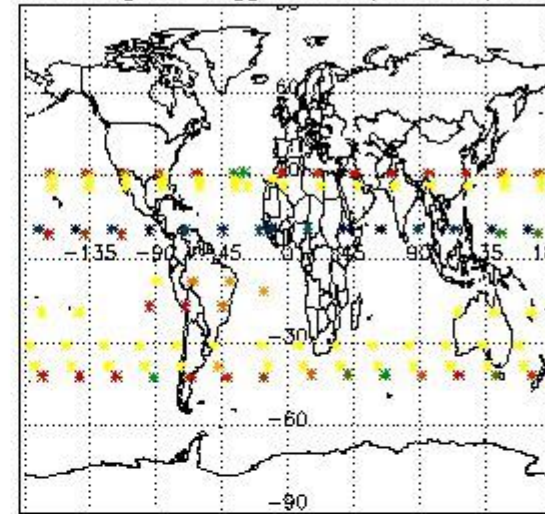


#### 3.2 Plot quality information per product (world map)

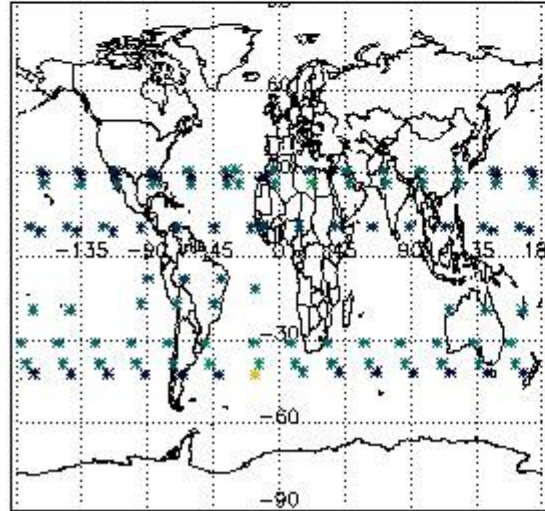
Percentage of flagged data per O3 profile



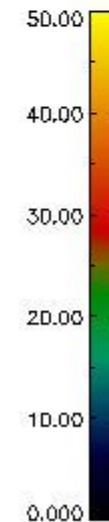
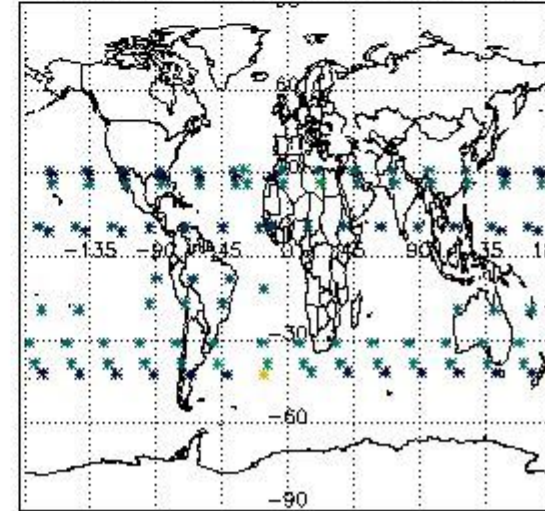
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

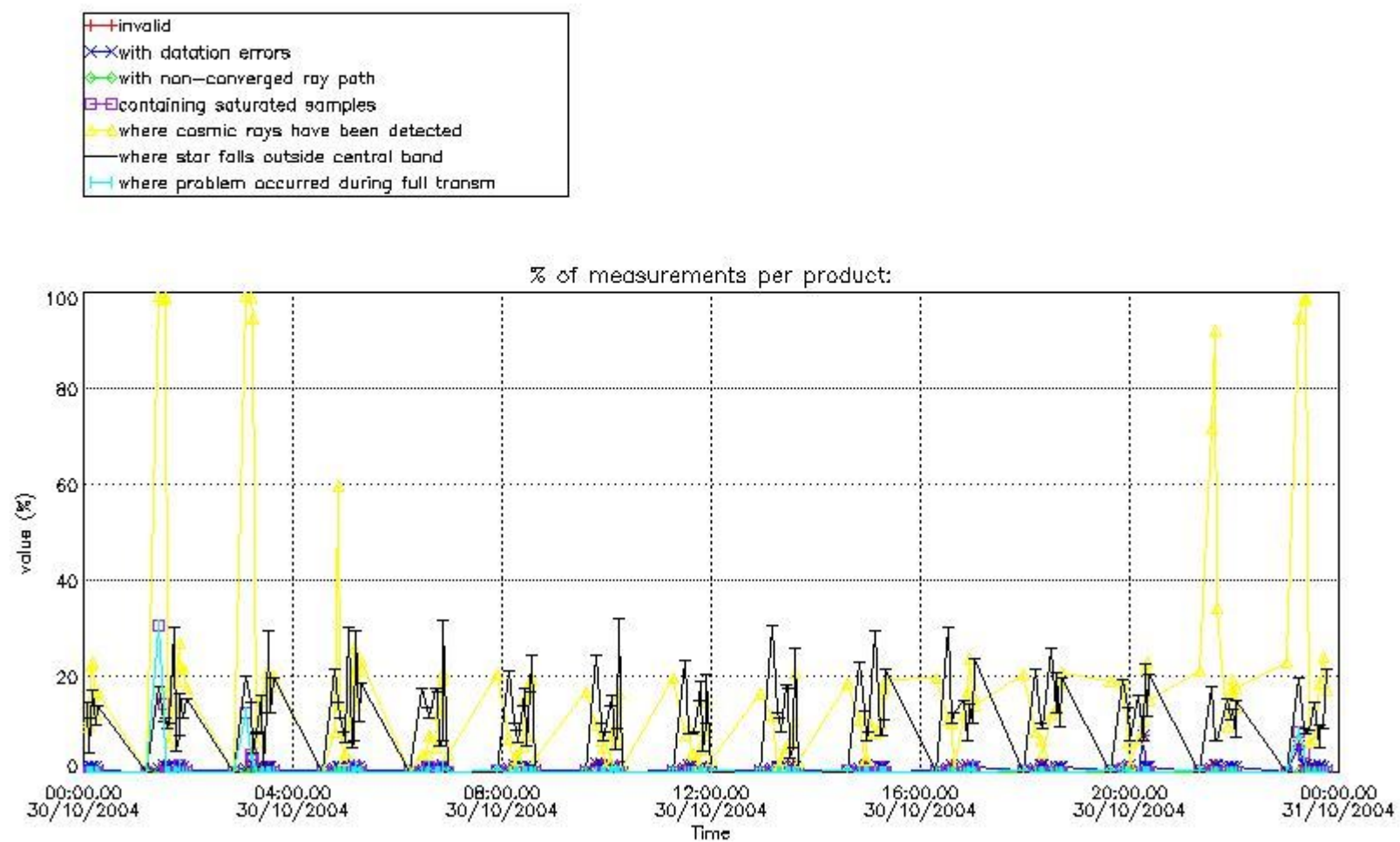


#### 4. Level 1 quality information per product

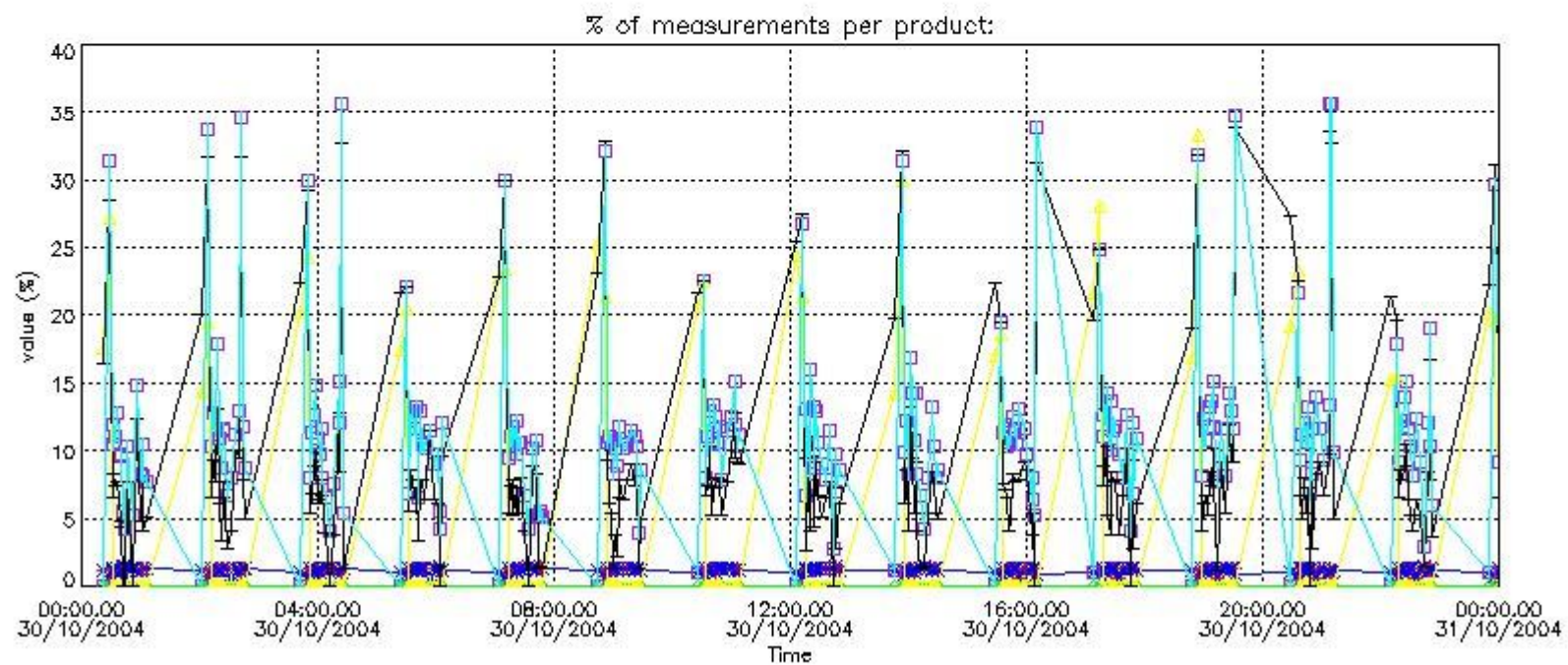
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



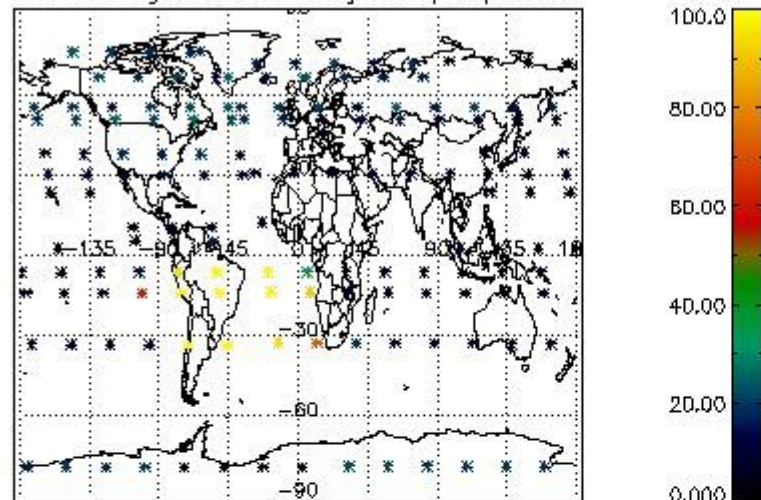
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



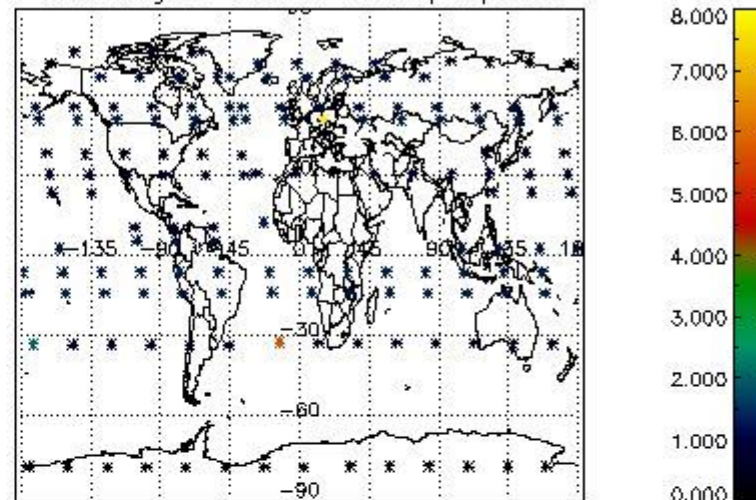
4.2 Plot quality information per product coming from level 1b processing (world map)

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

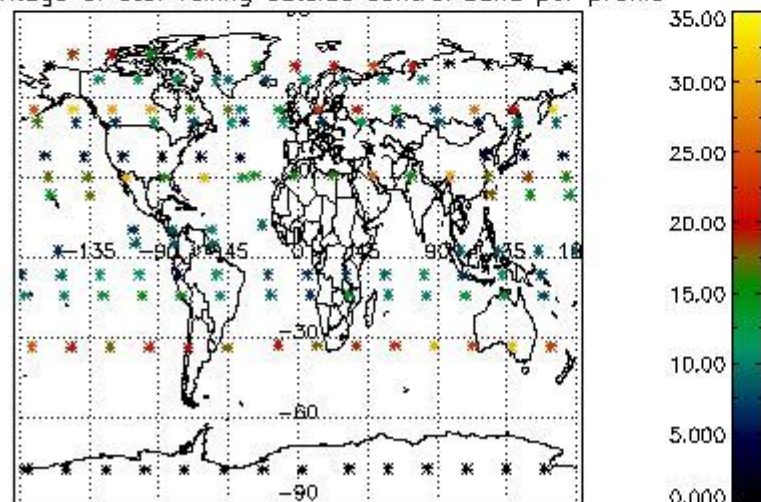
Percentage of cosmic ray hits per profile



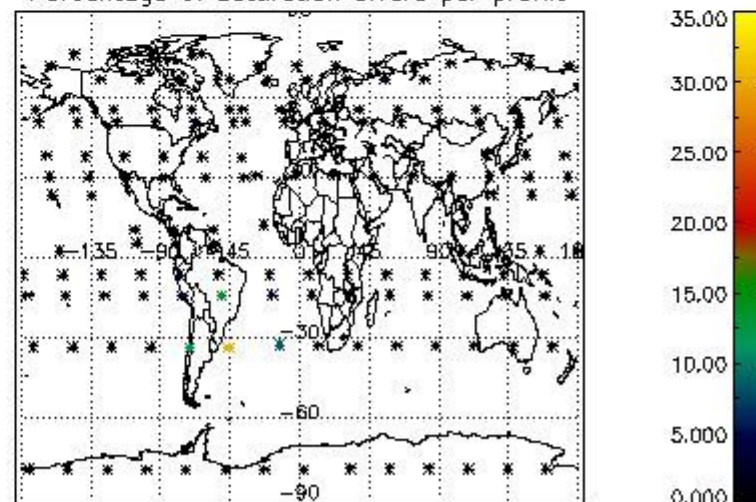
Percentage of datation errors per profile



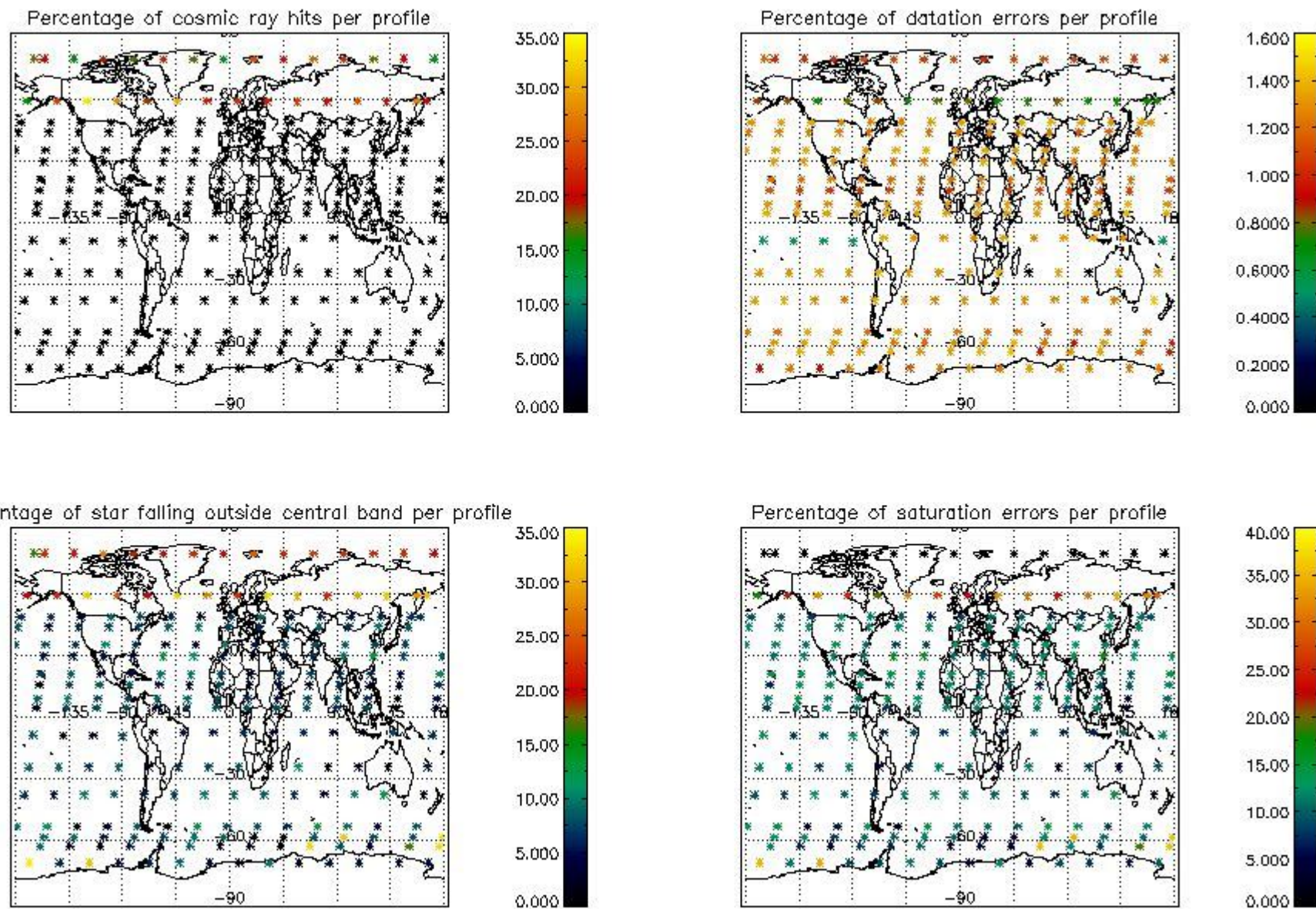
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/o3\_std of the level 2 products. The table below shows the statistics for given STD ranges.

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

- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

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

- Products in dark limb illumination condition: GOM\_NL\_\_2P/NL\_SUMMARY\_QUALITY/obs\_ill\_cond=0
- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

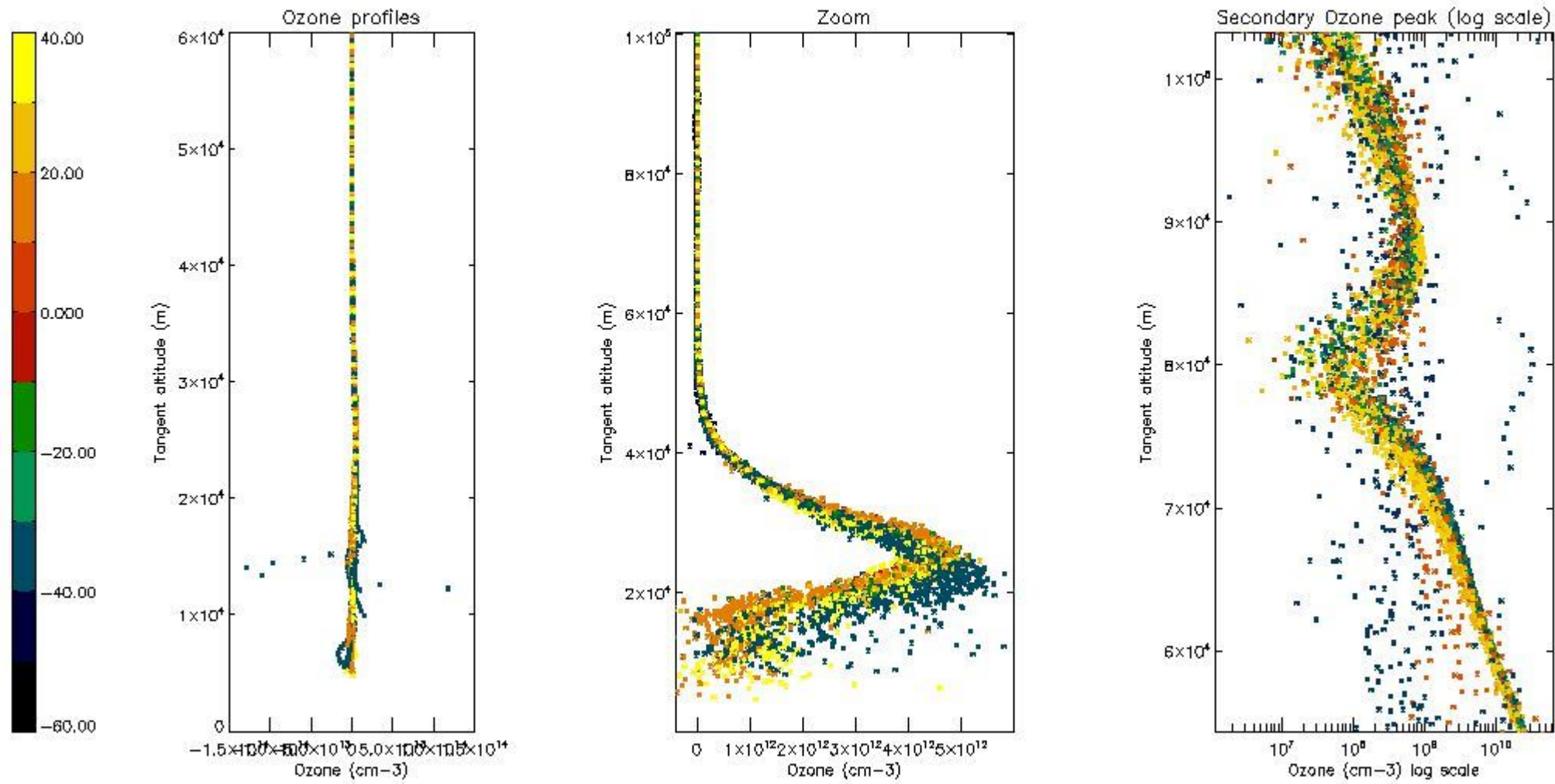
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	27
STD < 20	16

STD < 10	14
STD < 5	9

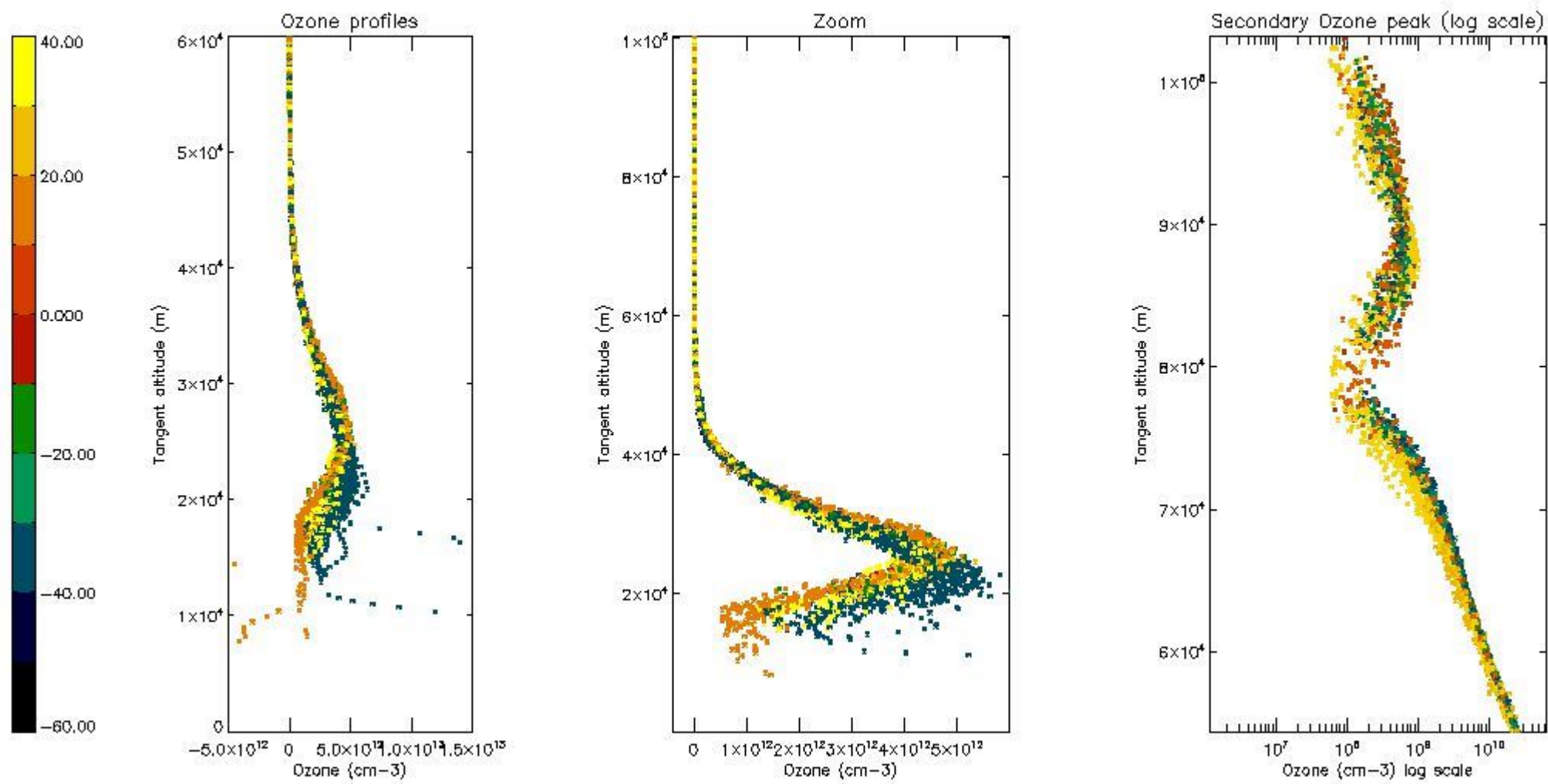
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

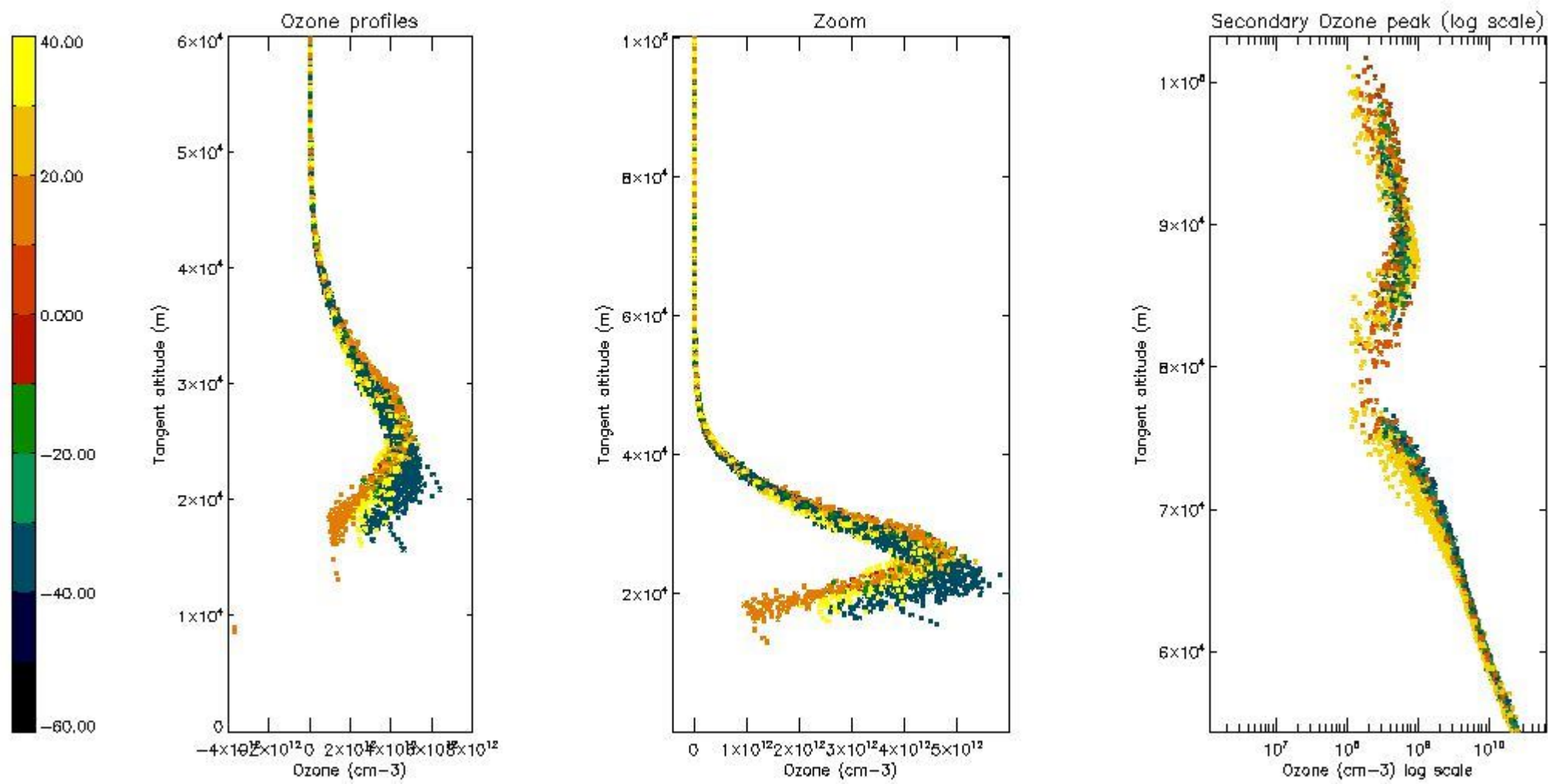
The colorbar represents the latitude.



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

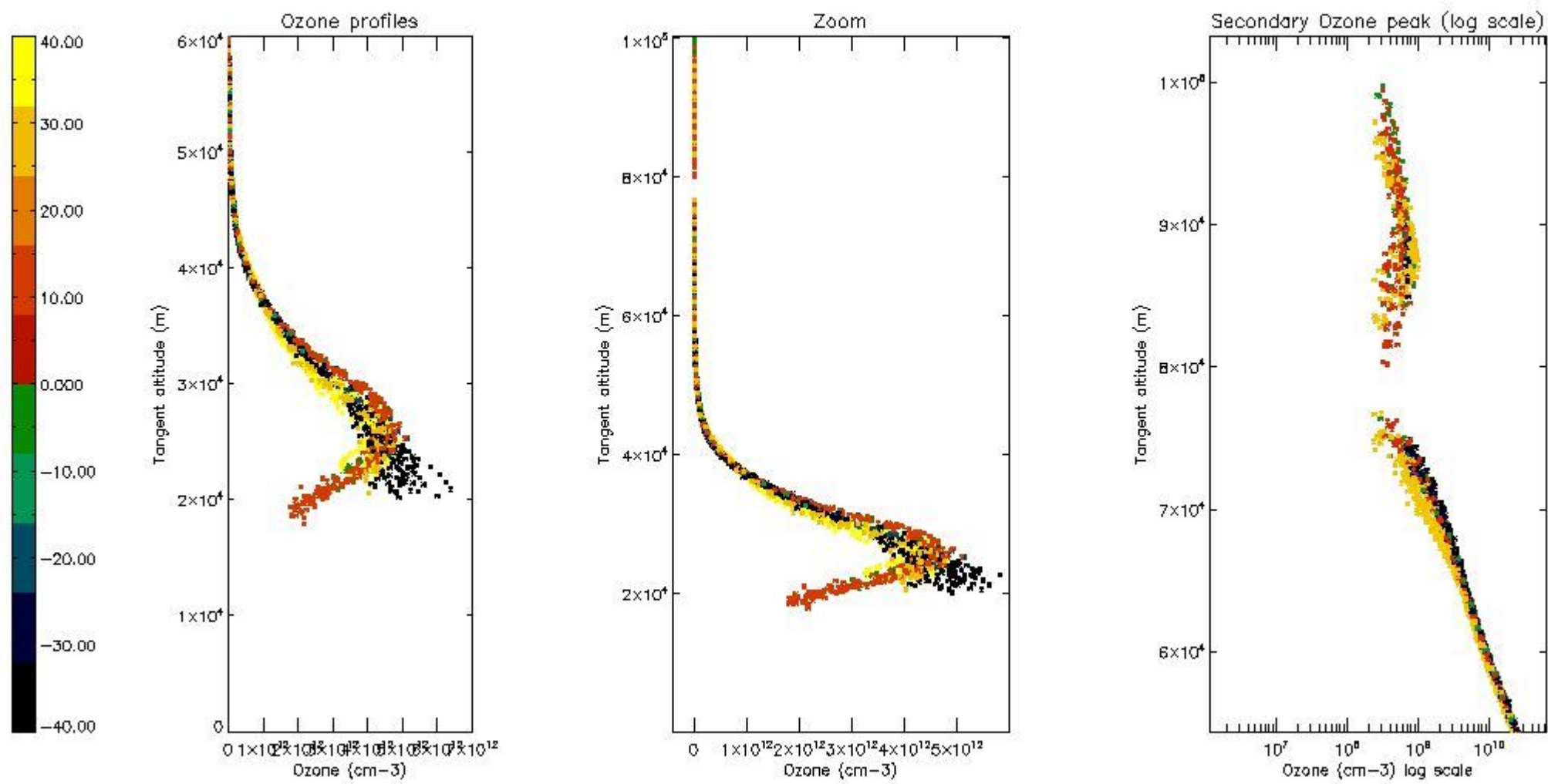
The colorbar represents the latitude.





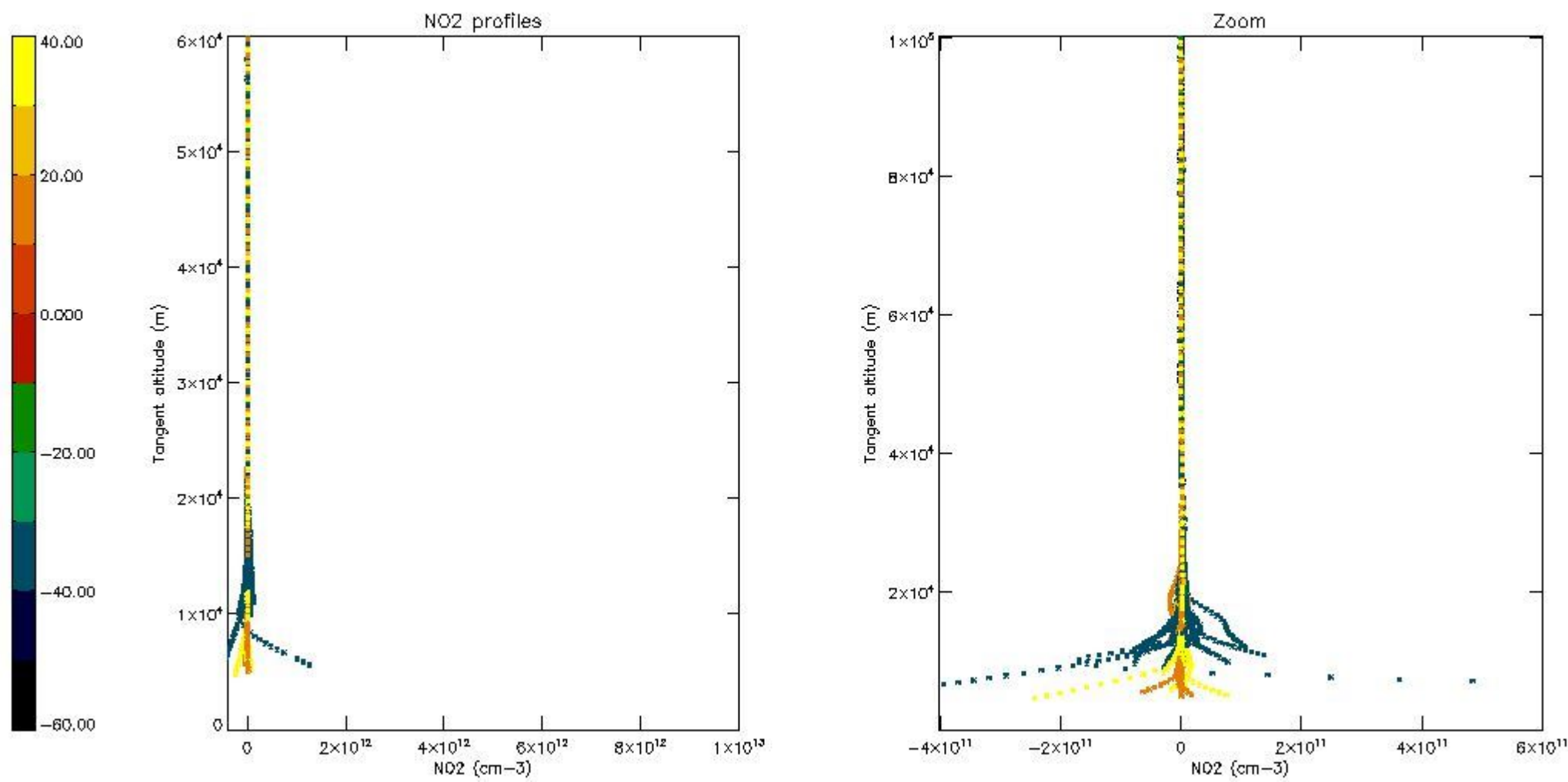
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



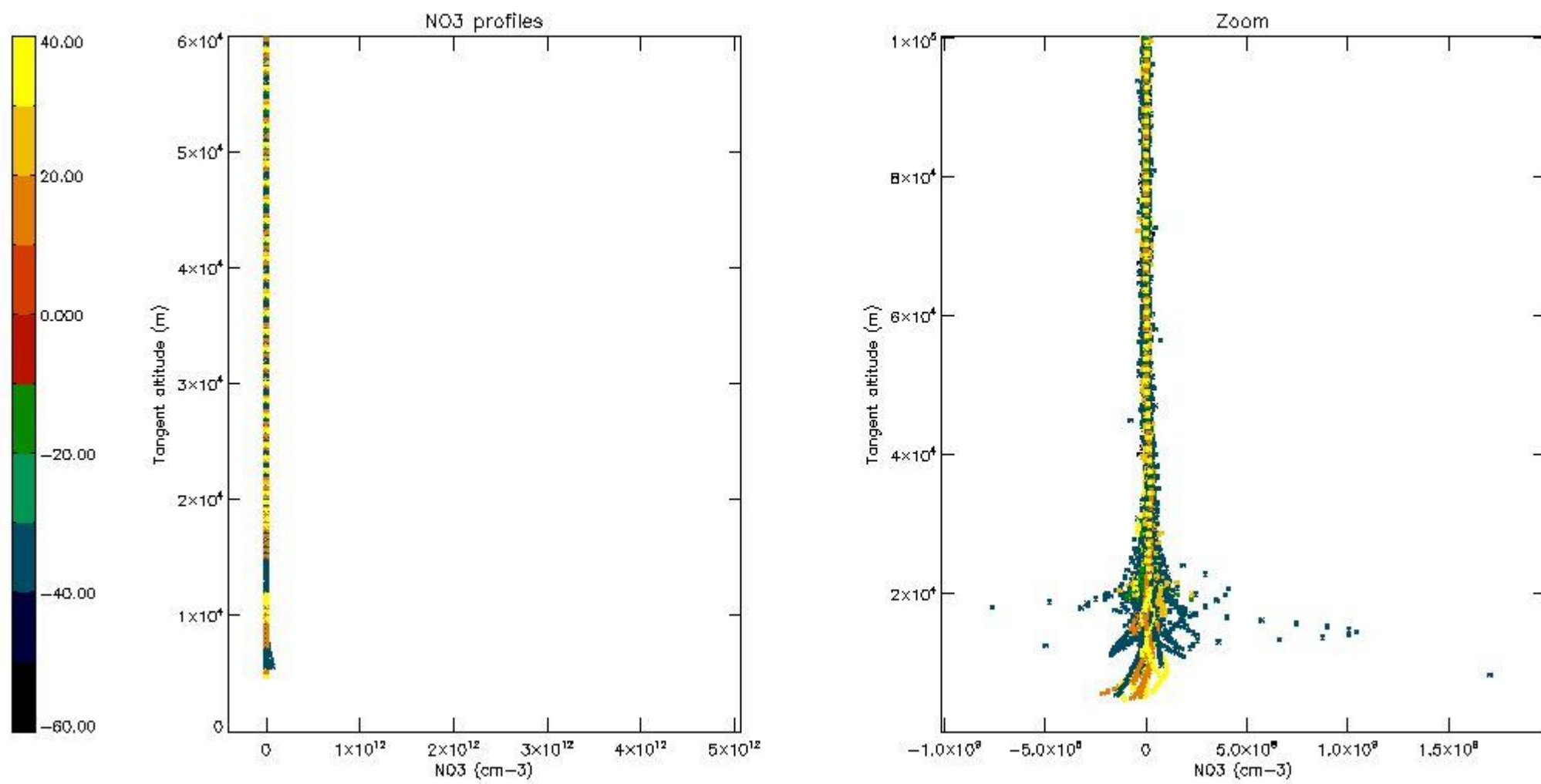
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



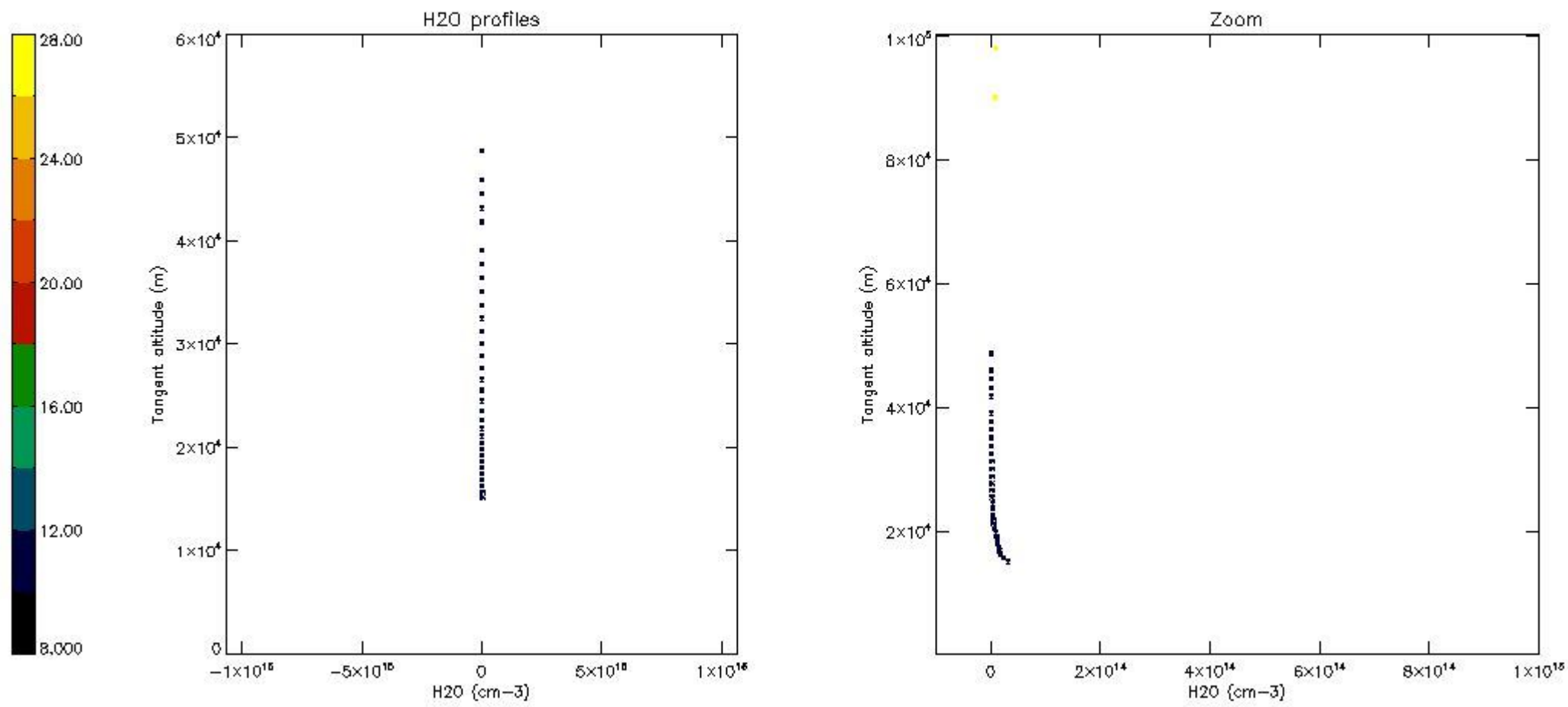
*5.7 Plot NO3 profiles for all STD (dark without errors)*

The colorbar represents the latitude.



5.8 Plot H<sub>2</sub>O 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-OCT-2004 00:03:03
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	30-OCT-2004 00:03:03
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	30-OCT-2004 00:03:03

# GOMOS Level 2 Daily Report

## SUMMARY

### [1. General Info](#)

### [2. Summary of processed GOM\\_NL\\_2P products](#)

### [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](#)













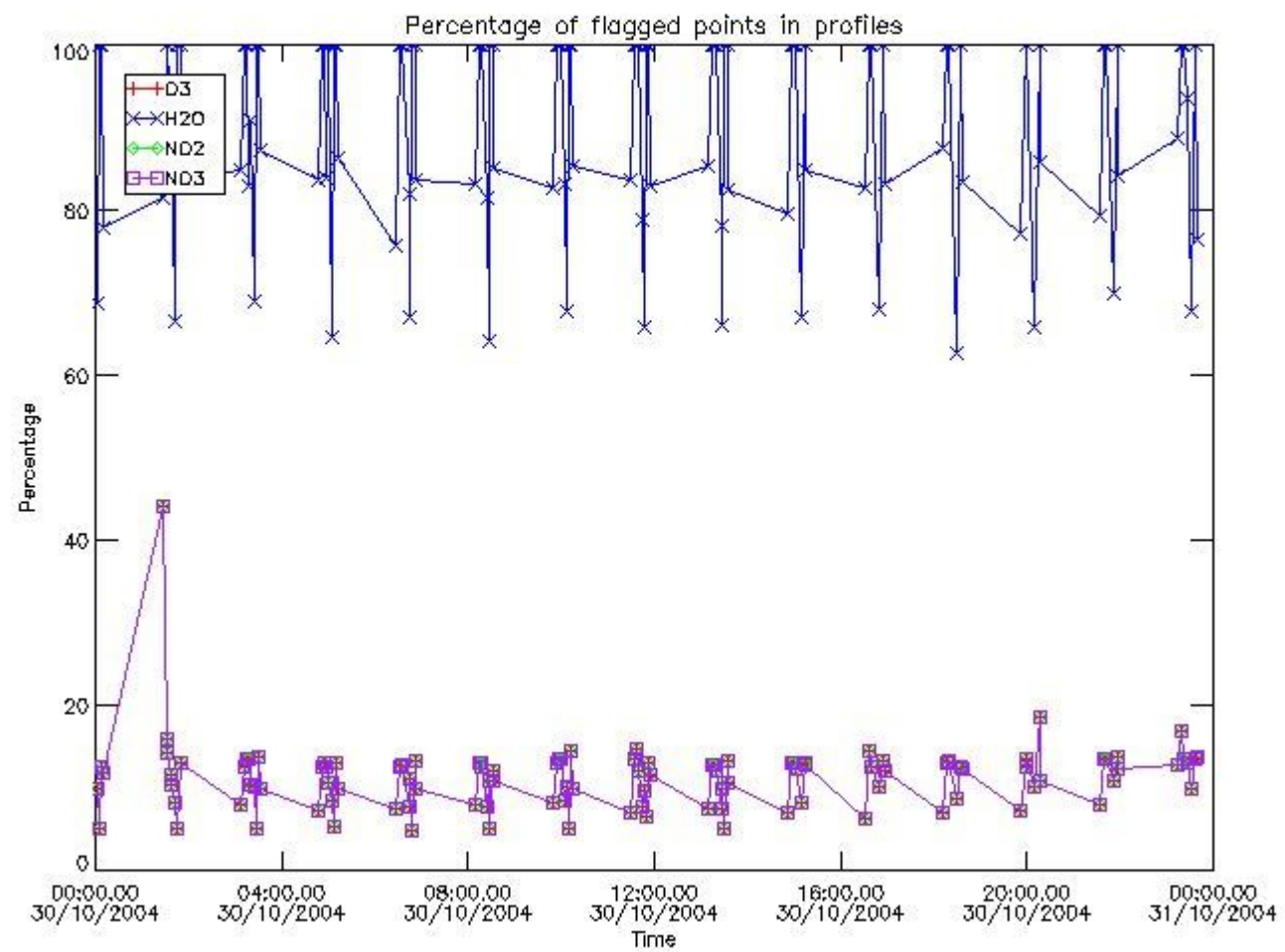




### 3. Quality information per product

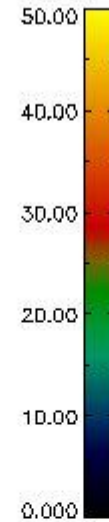
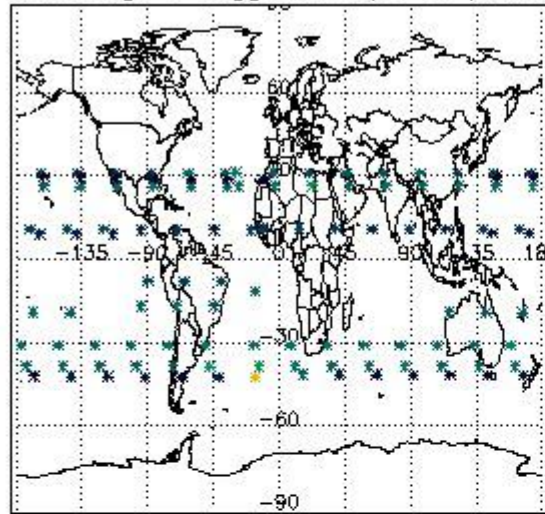
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

#### 3.1 Plot quality information per product (time dependant)

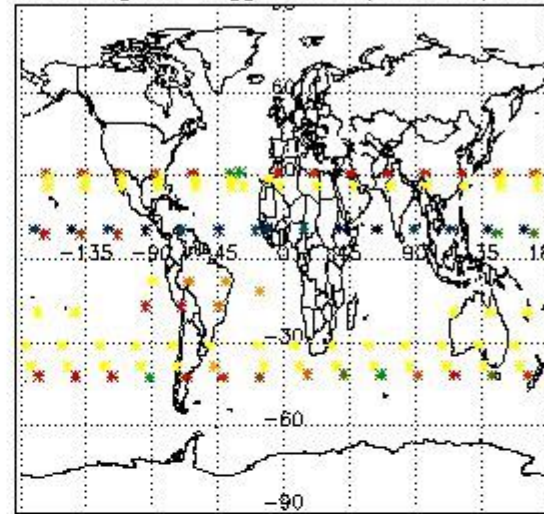


#### 3.2 Plot quality information per product (world map)

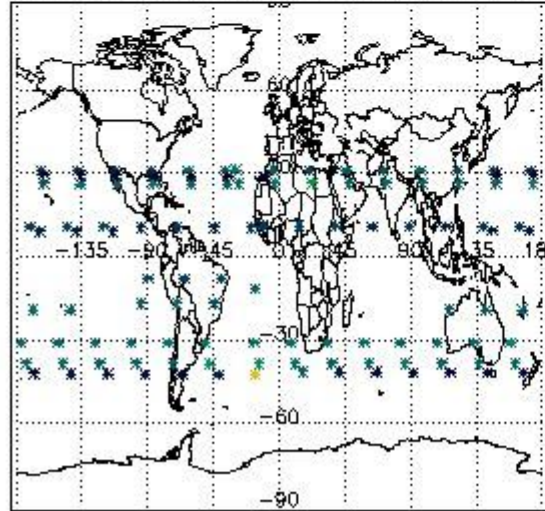
Percentage of flagged data per O3 profile



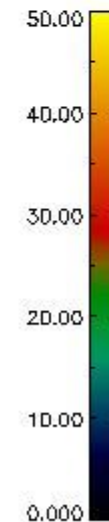
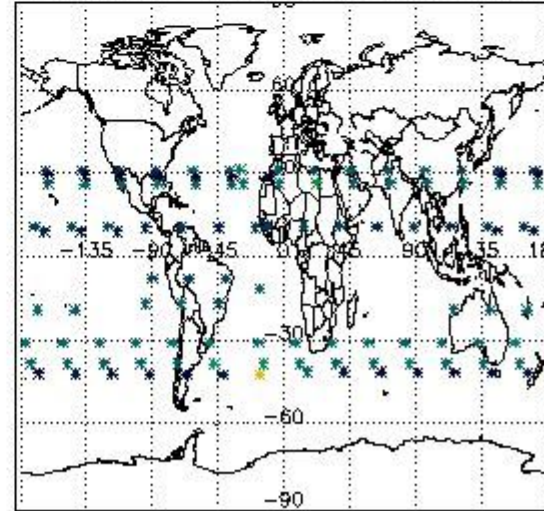
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

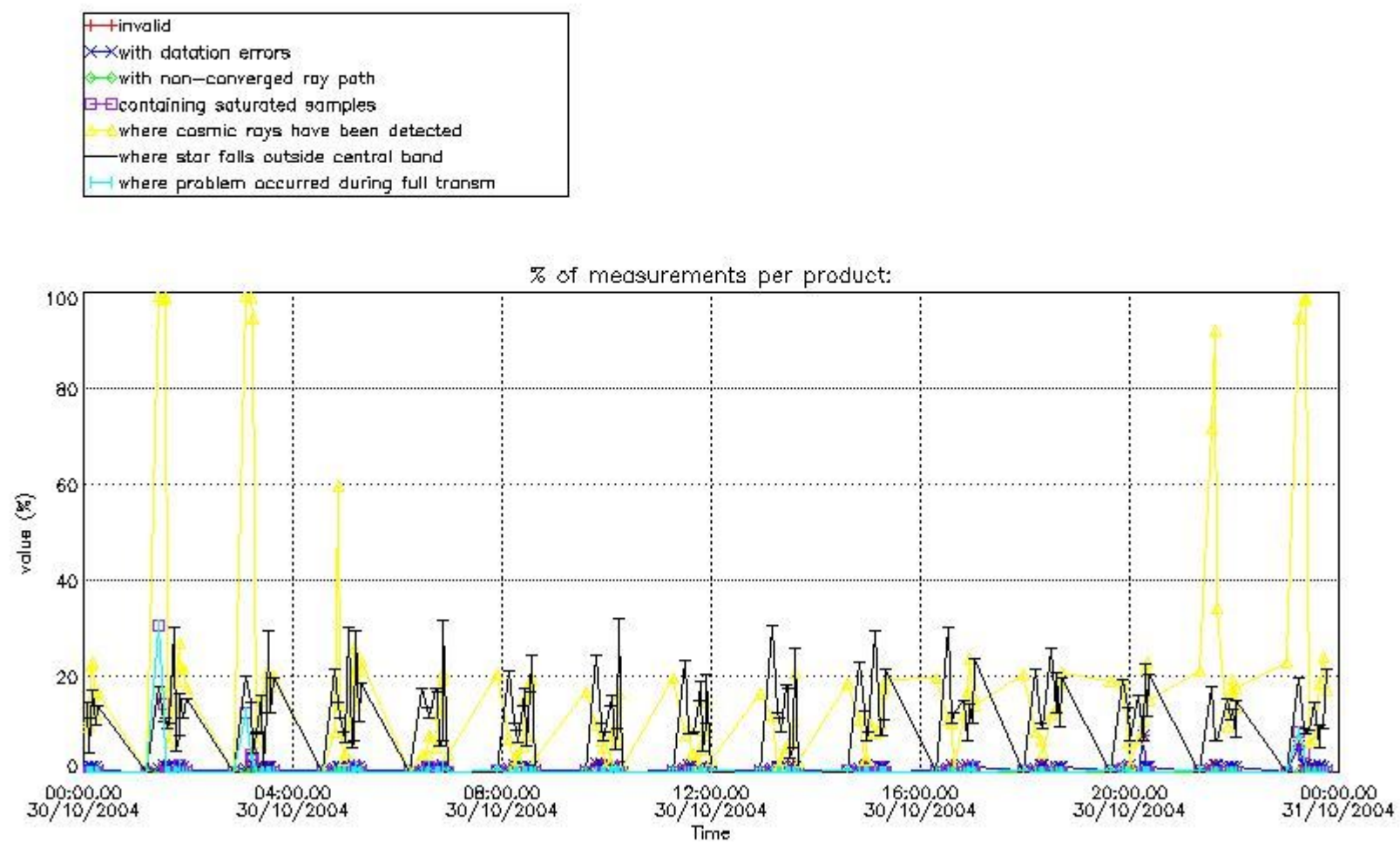


#### 4. Level 1 quality information per product

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

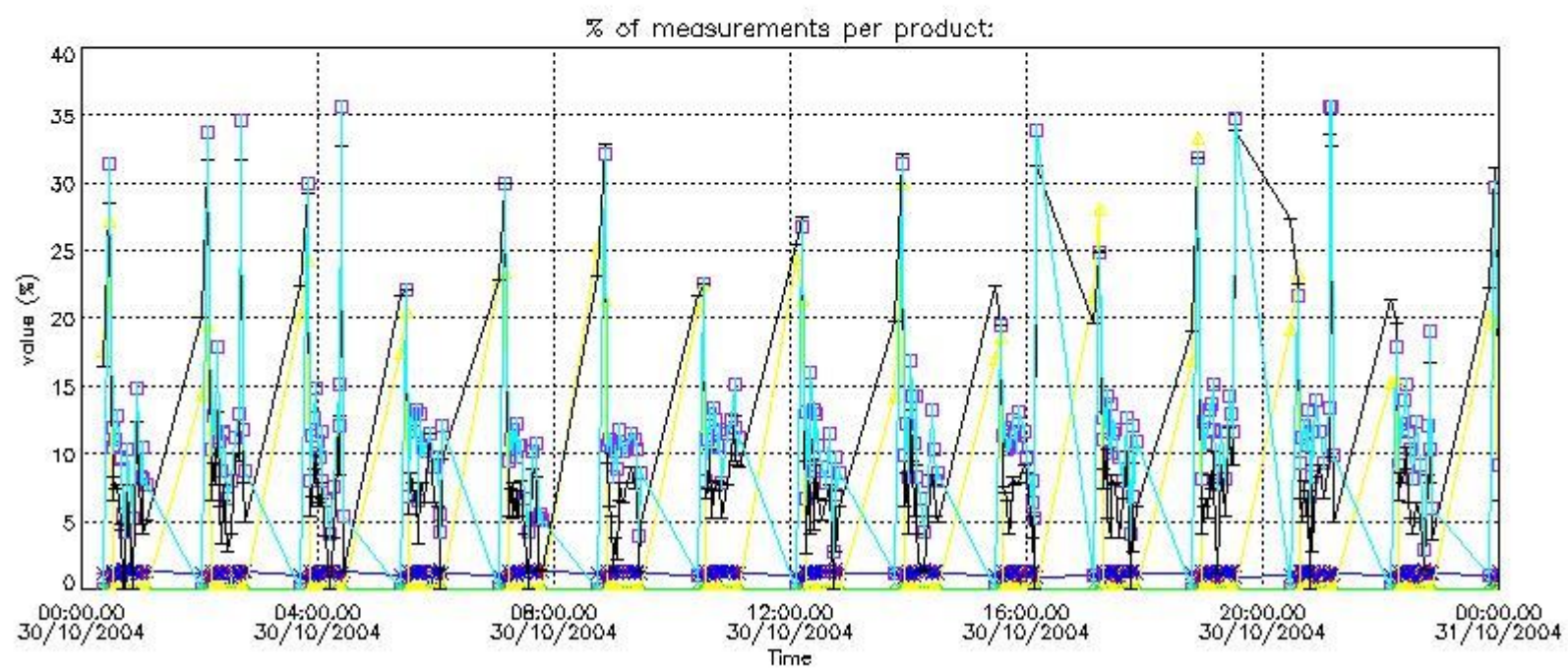
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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



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

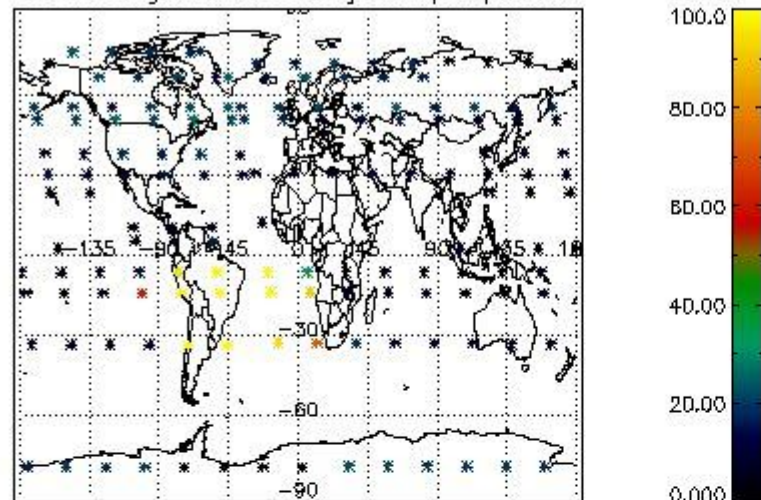




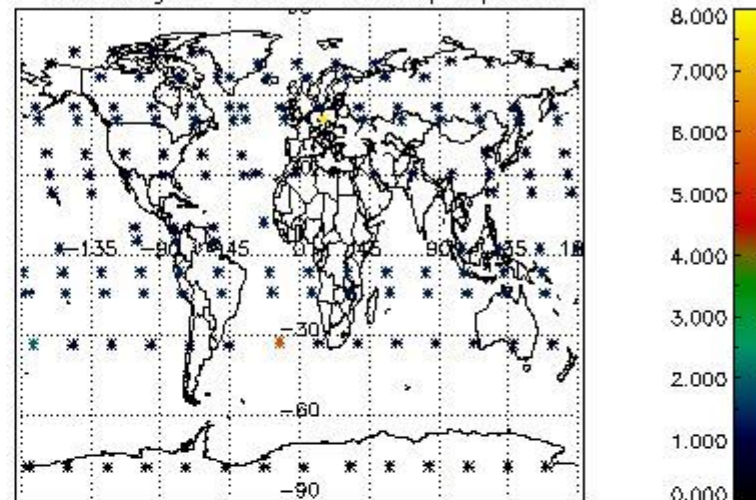
*4.2 Plot quality information per product coming from level 1b processing (world map)*

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

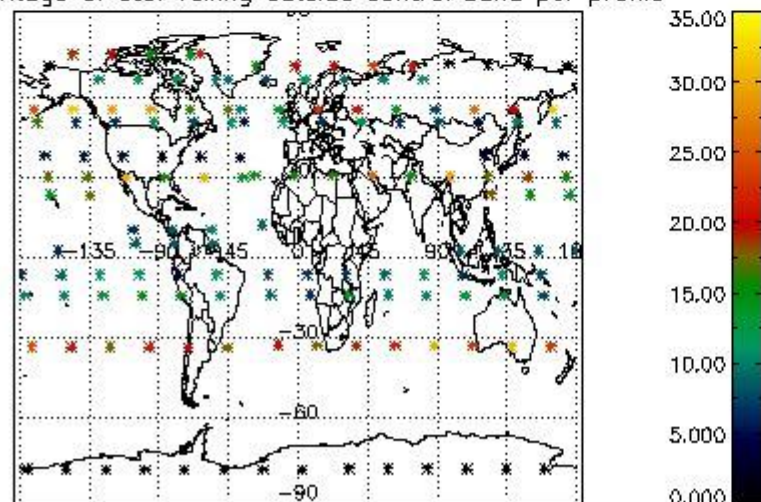
Percentage of cosmic ray hits per profile



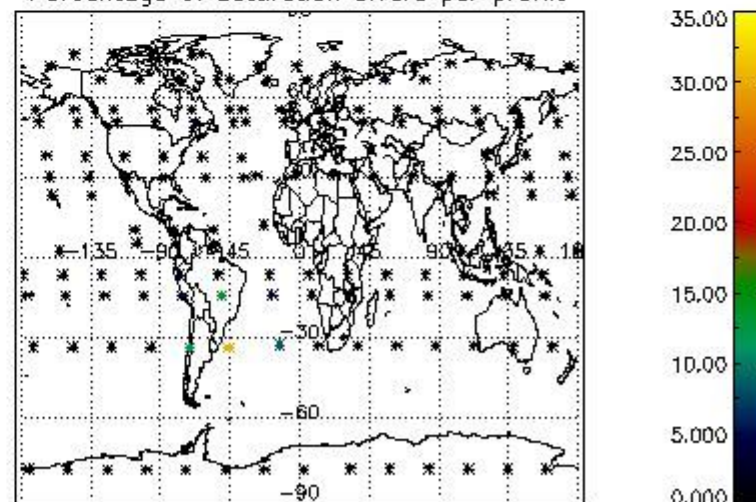
Percentage of datation errors per profile



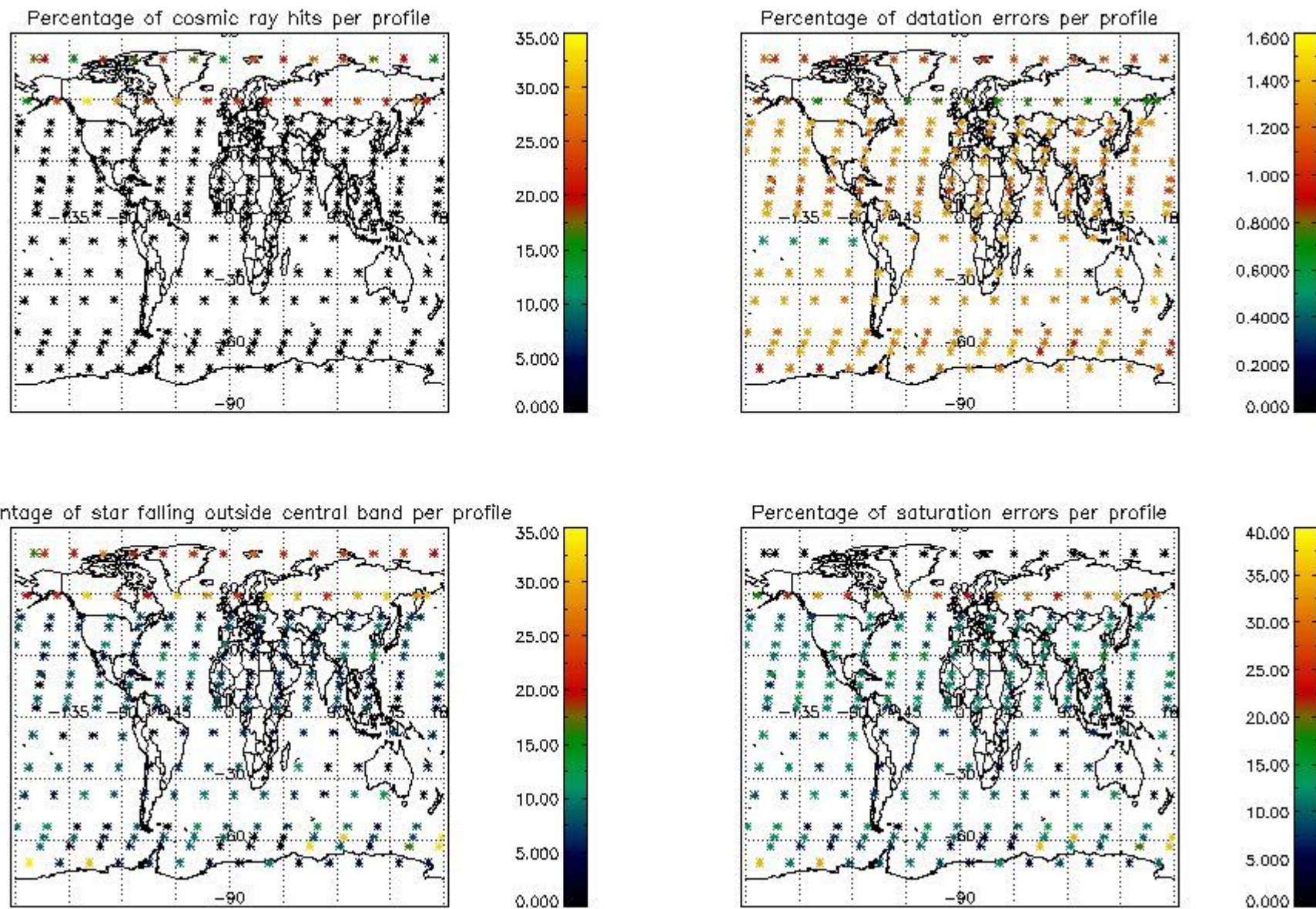
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/o3\_std of the level 2 products. The table below shows the statistics for given STD ranges.

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

- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

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

- Products in dark limb illumination condition: GOM\_NL\_\_2P/NL\_SUMMARY\_QUALITY/obs\_ill\_cond=0
- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

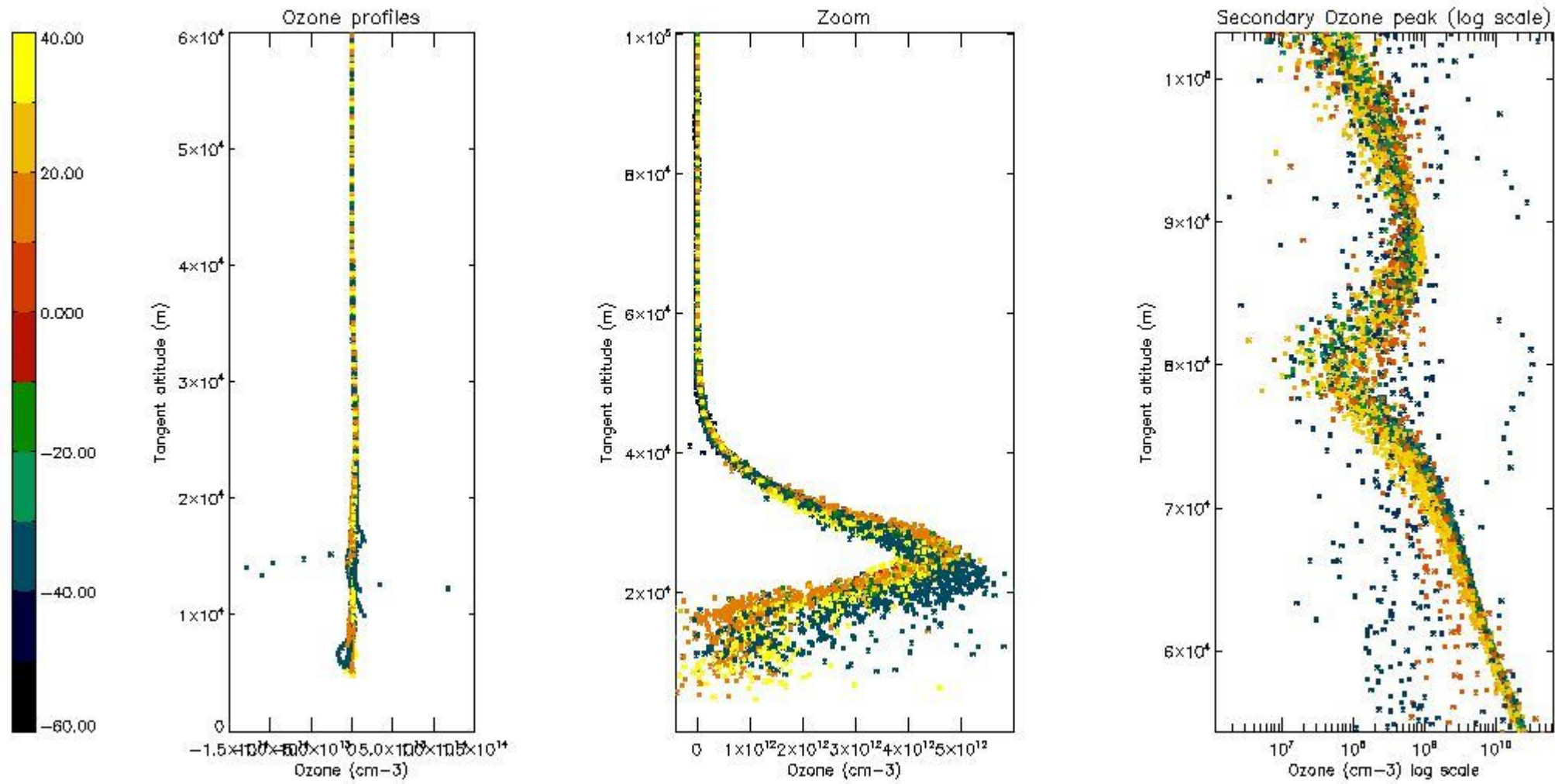
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	27
STD < 20	16

STD < 10	14
STD < 5	9

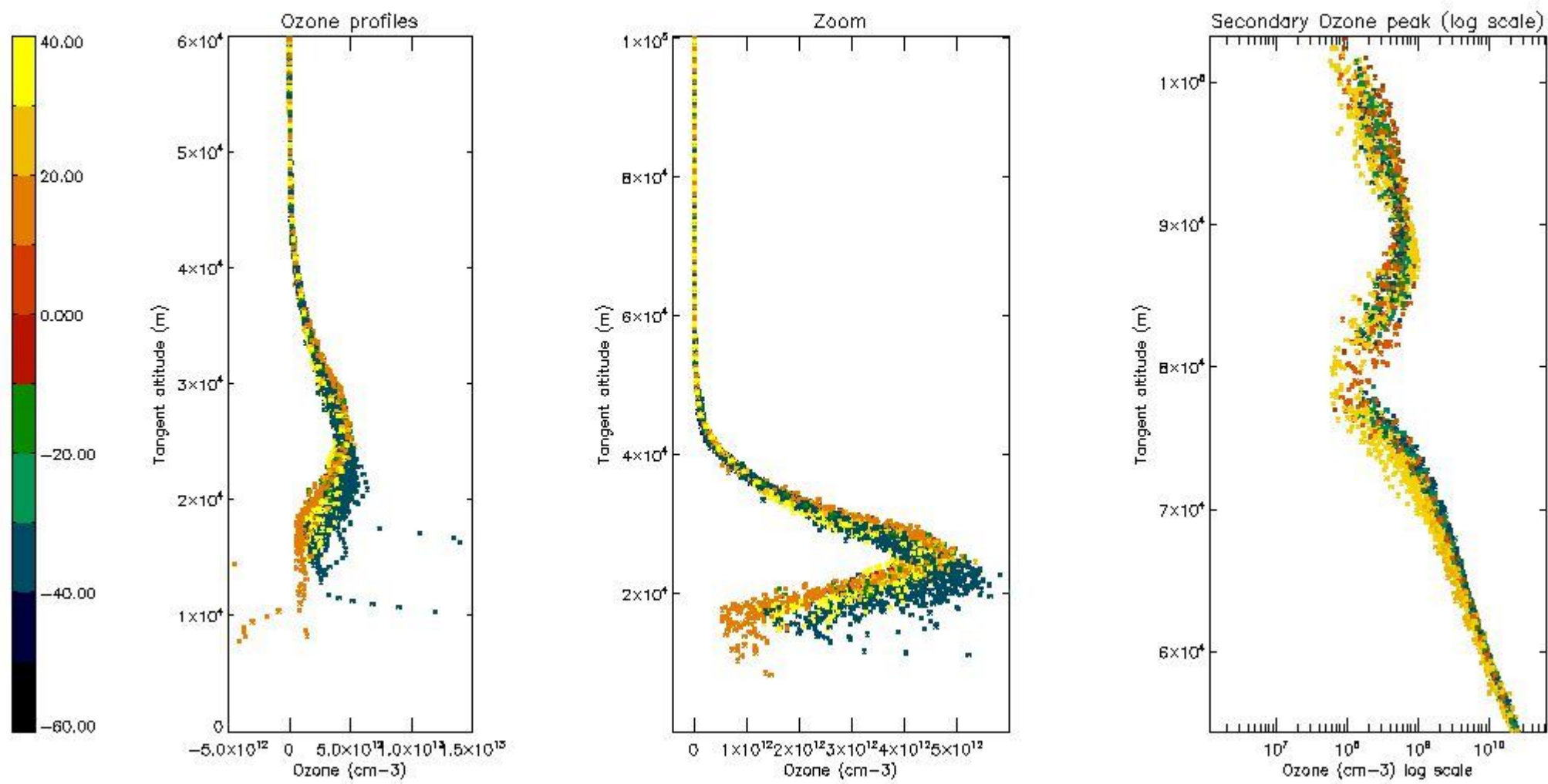
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



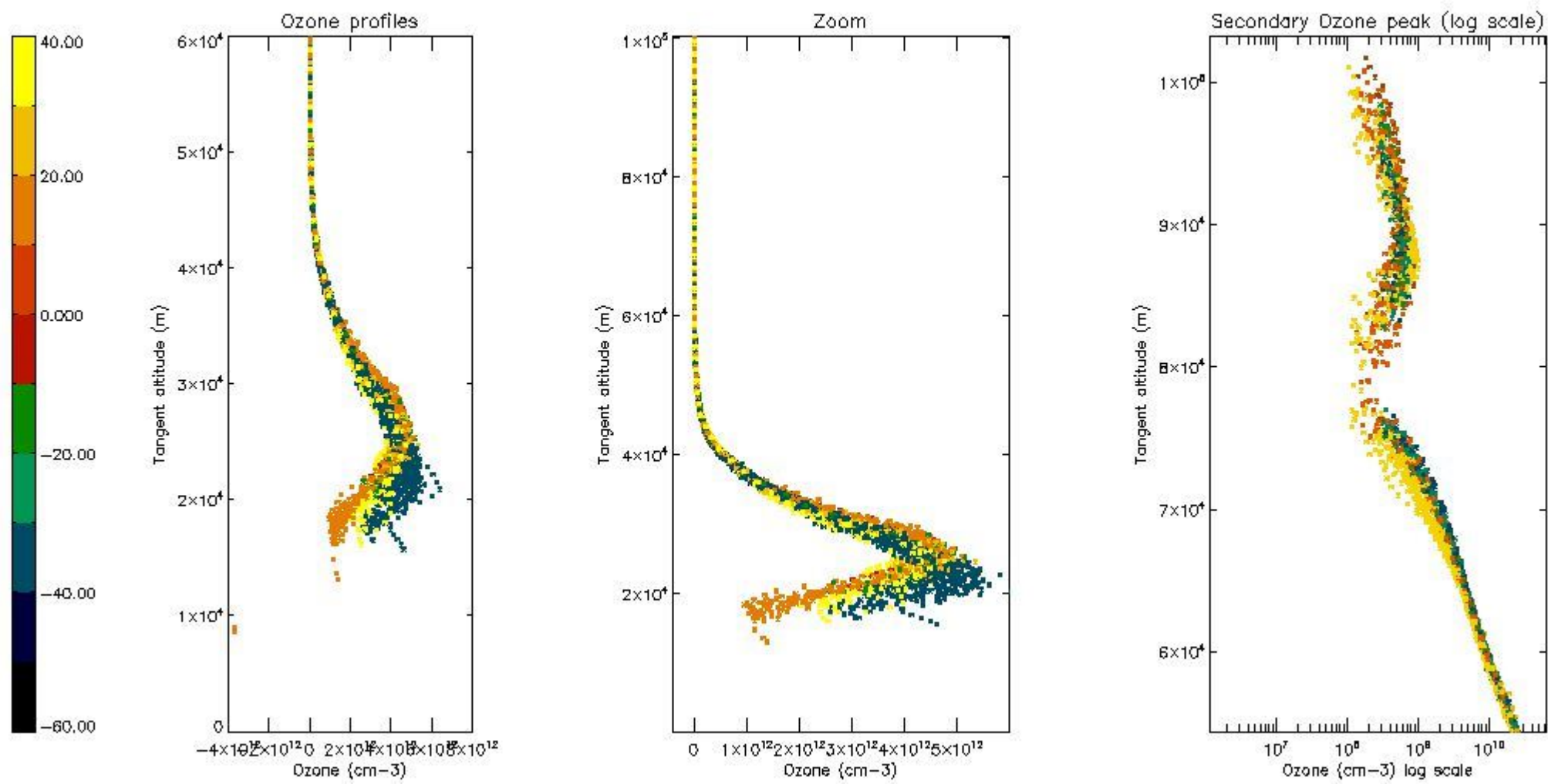
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



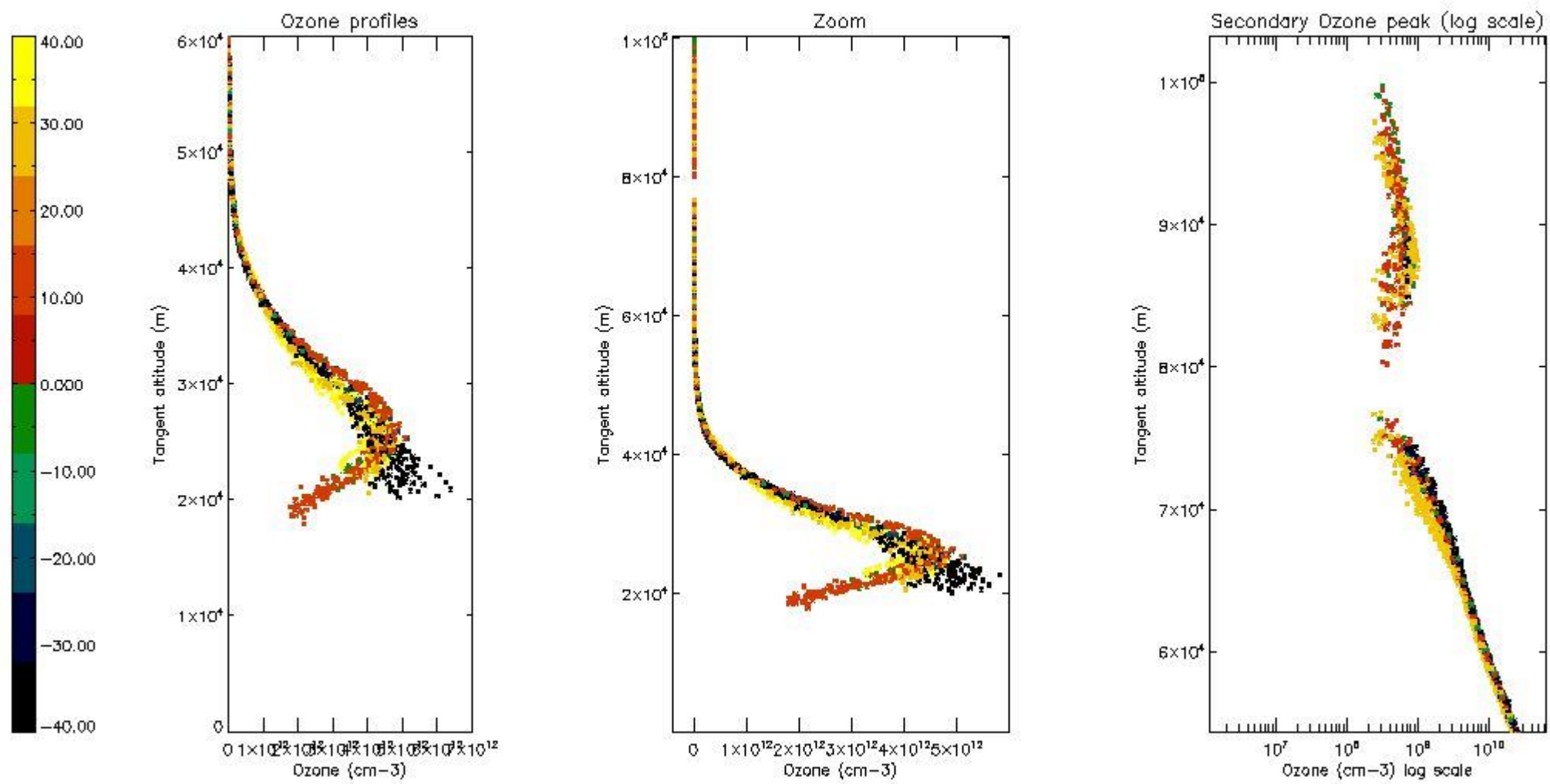
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



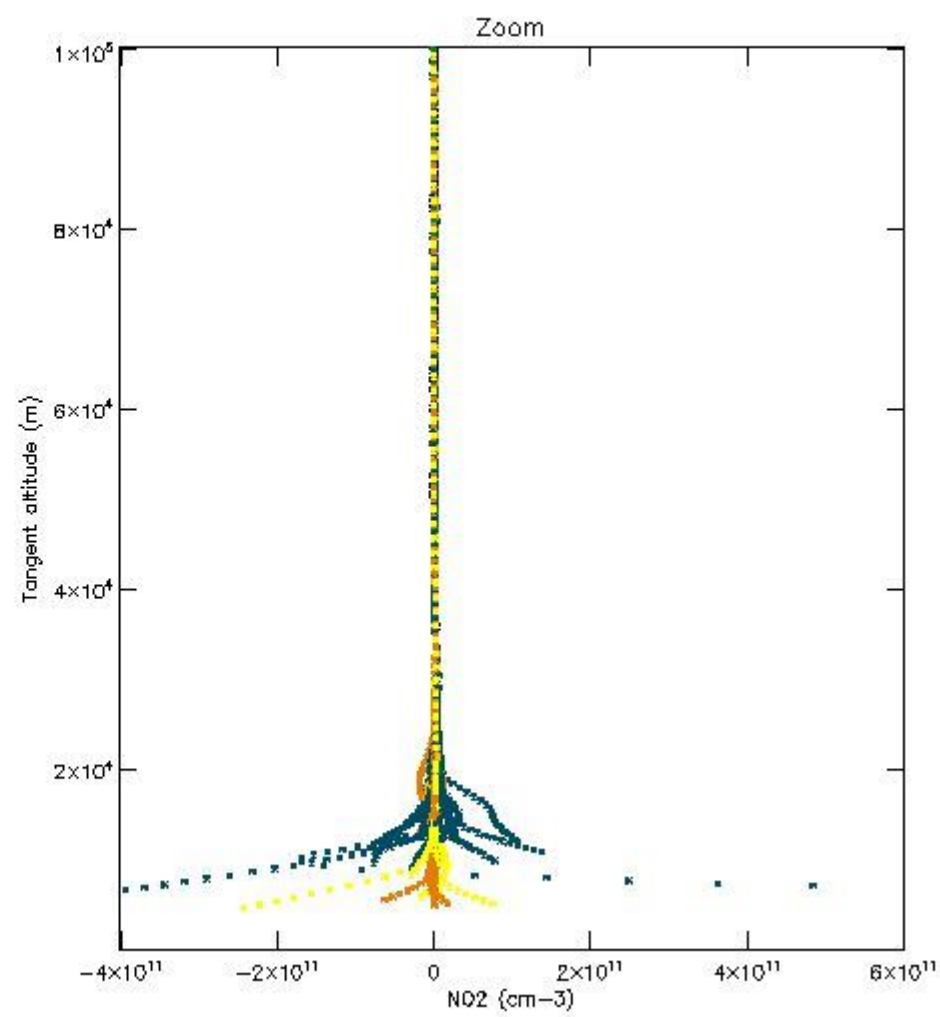
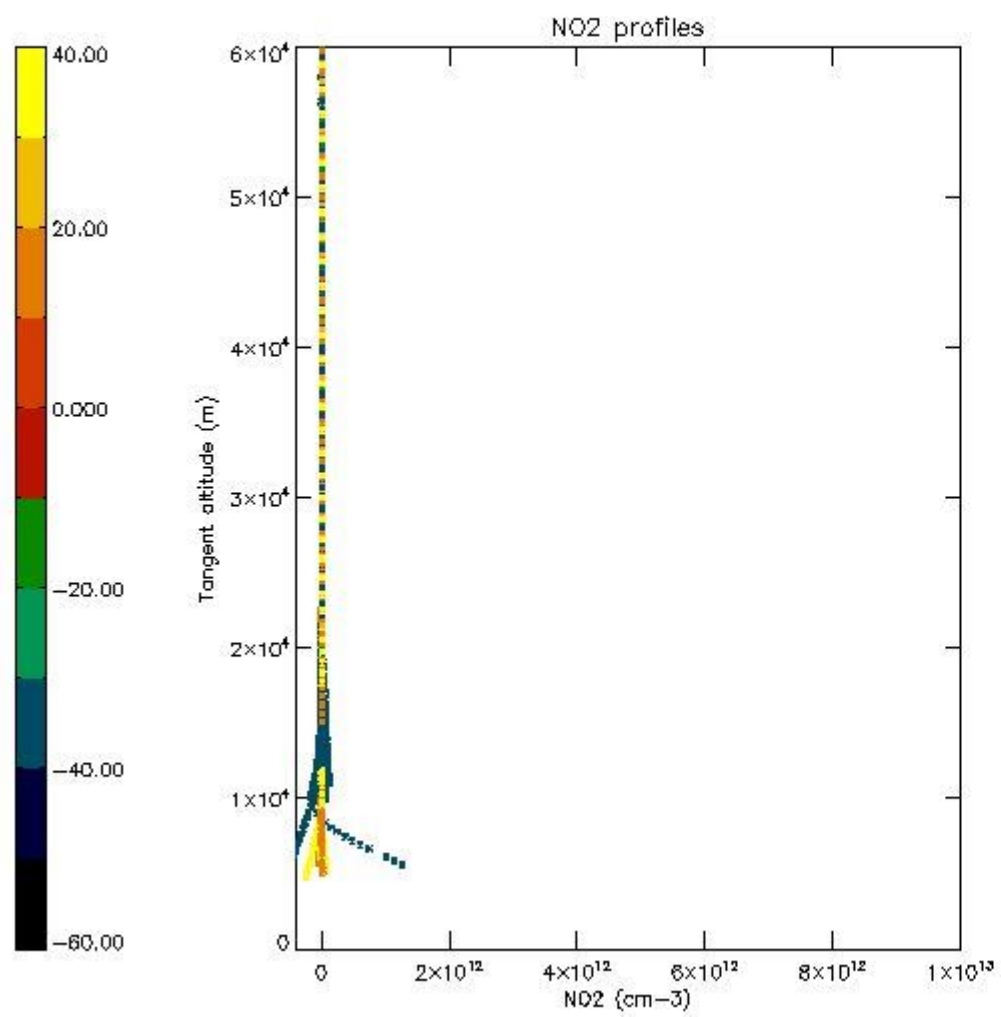
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

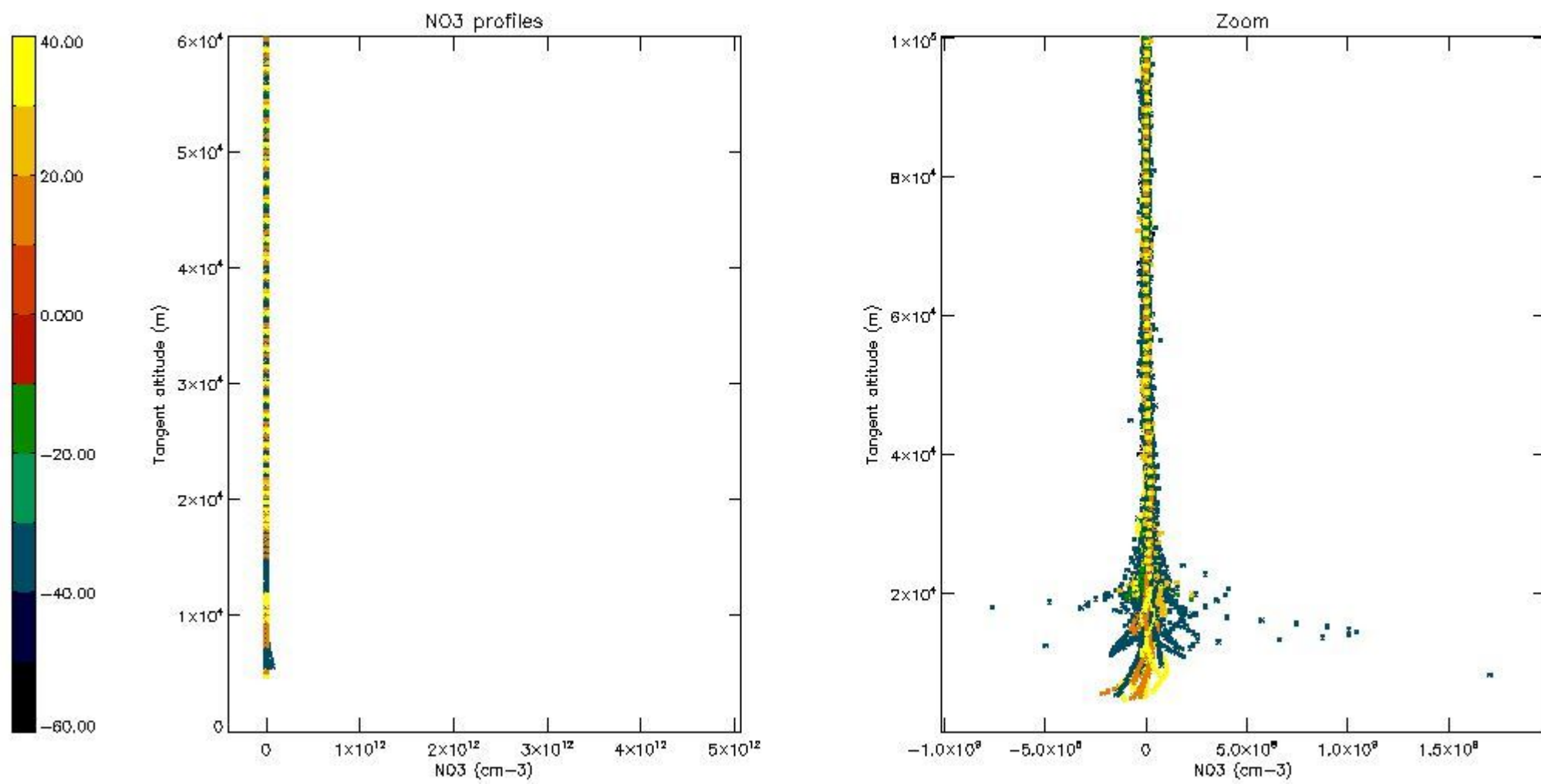
The colorbar represents the latitude.



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

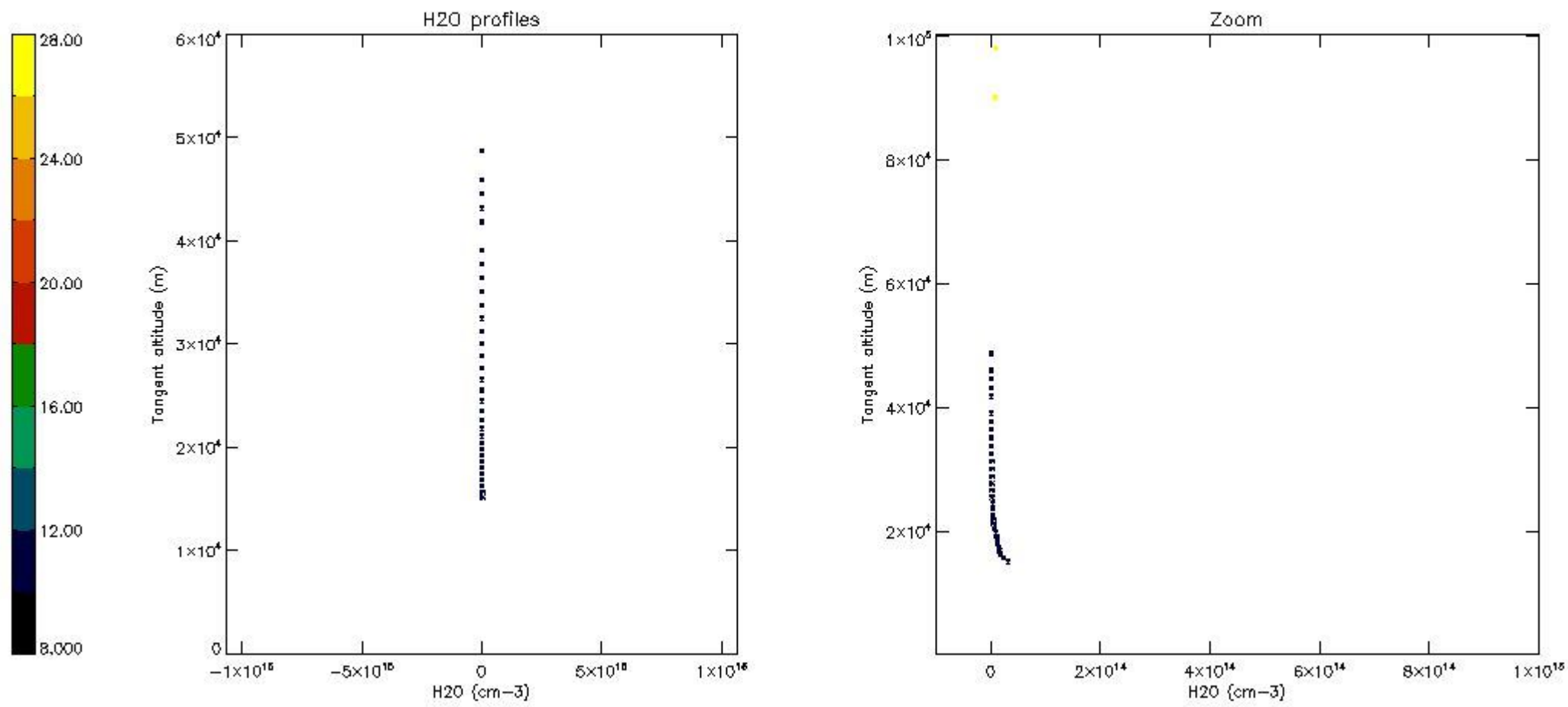
The colorbar represents the latitude.





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)

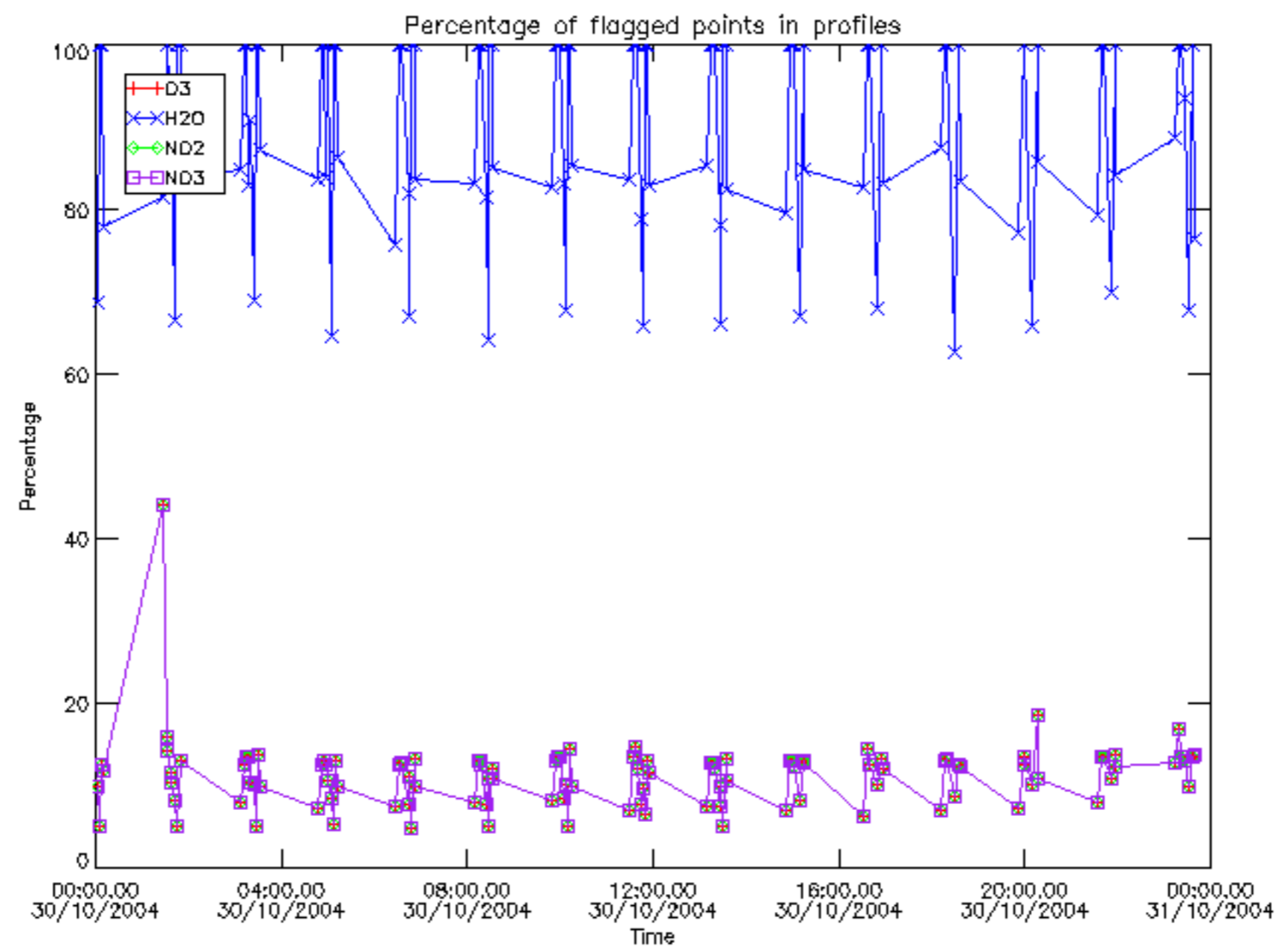
The colorbar represents the latitude.



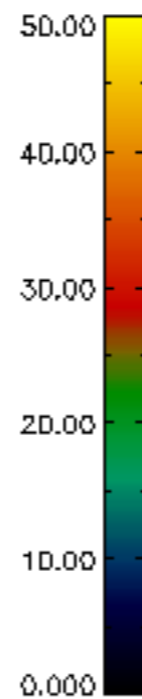
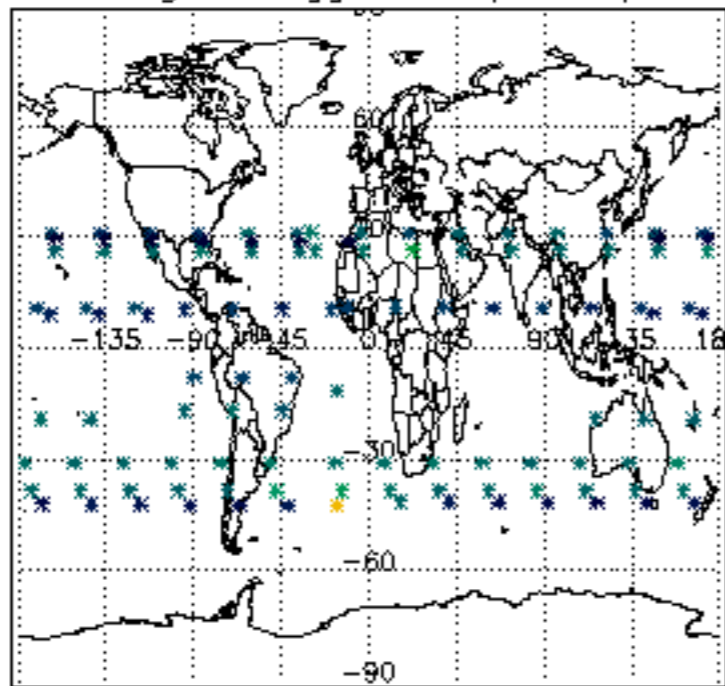
## 6. Auxiliary Data Files used for the production reported in section 2

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.

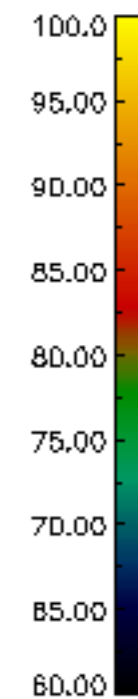
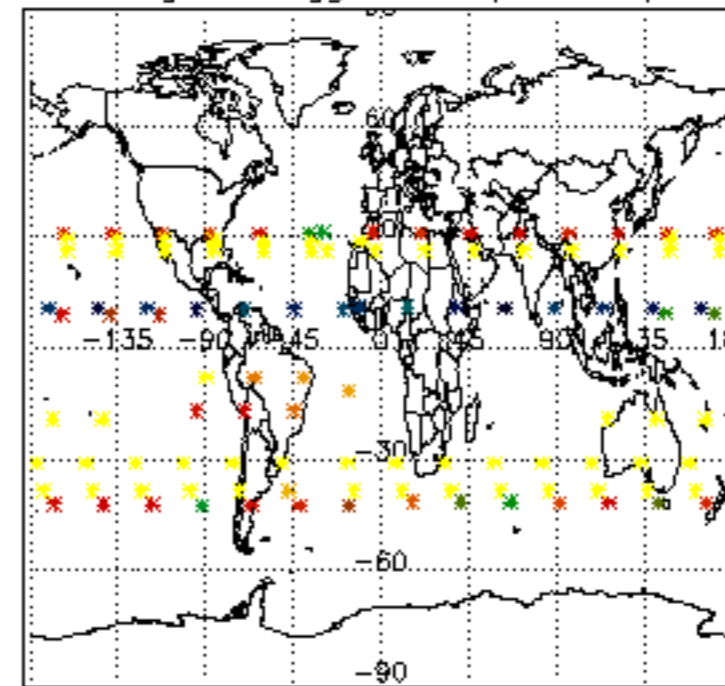
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	30-OCT-2004 00:03:03
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	30-OCT-2004 00:03:03
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	30-OCT-2004 00:03:03



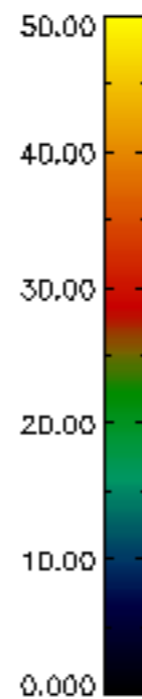
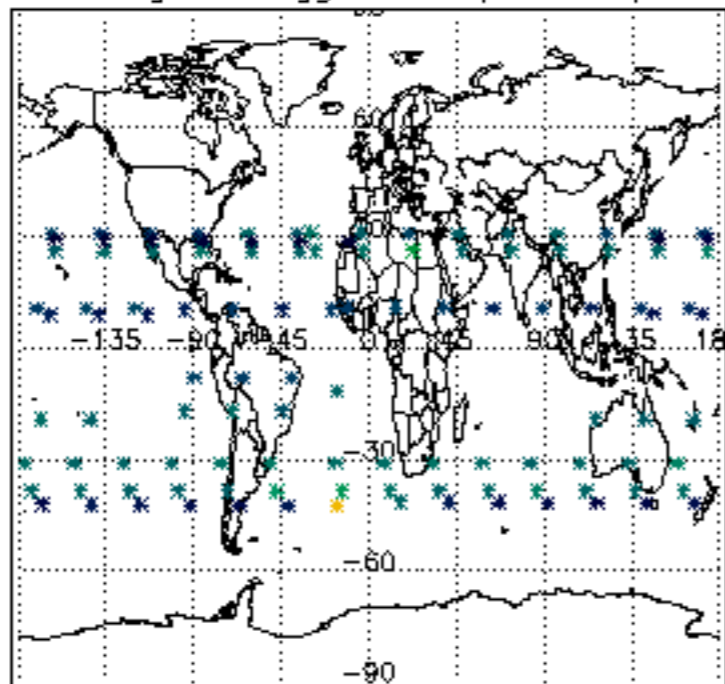
Percentage of flagged data per D3 profile



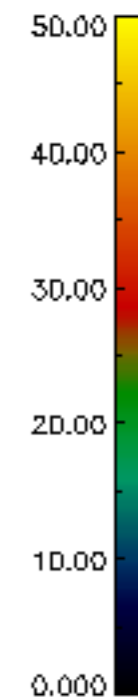
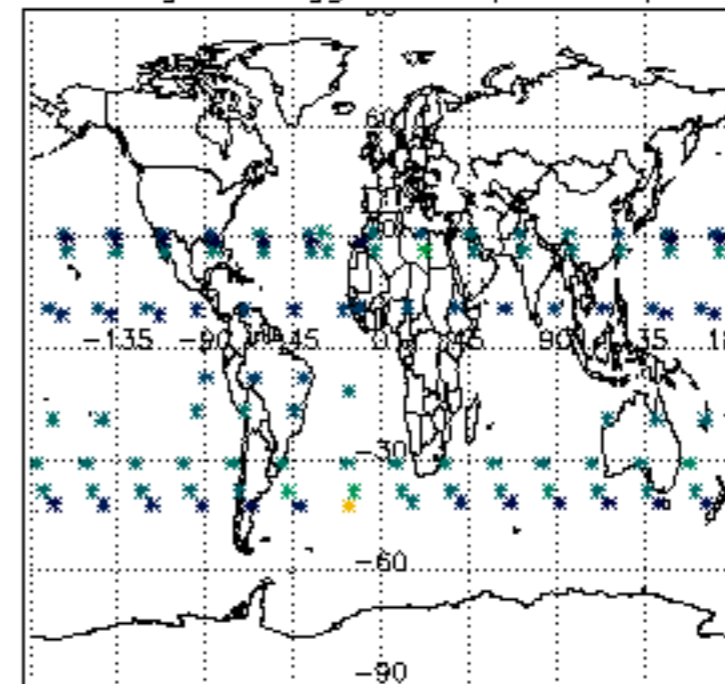
Percentage of flagged data per H2O profile

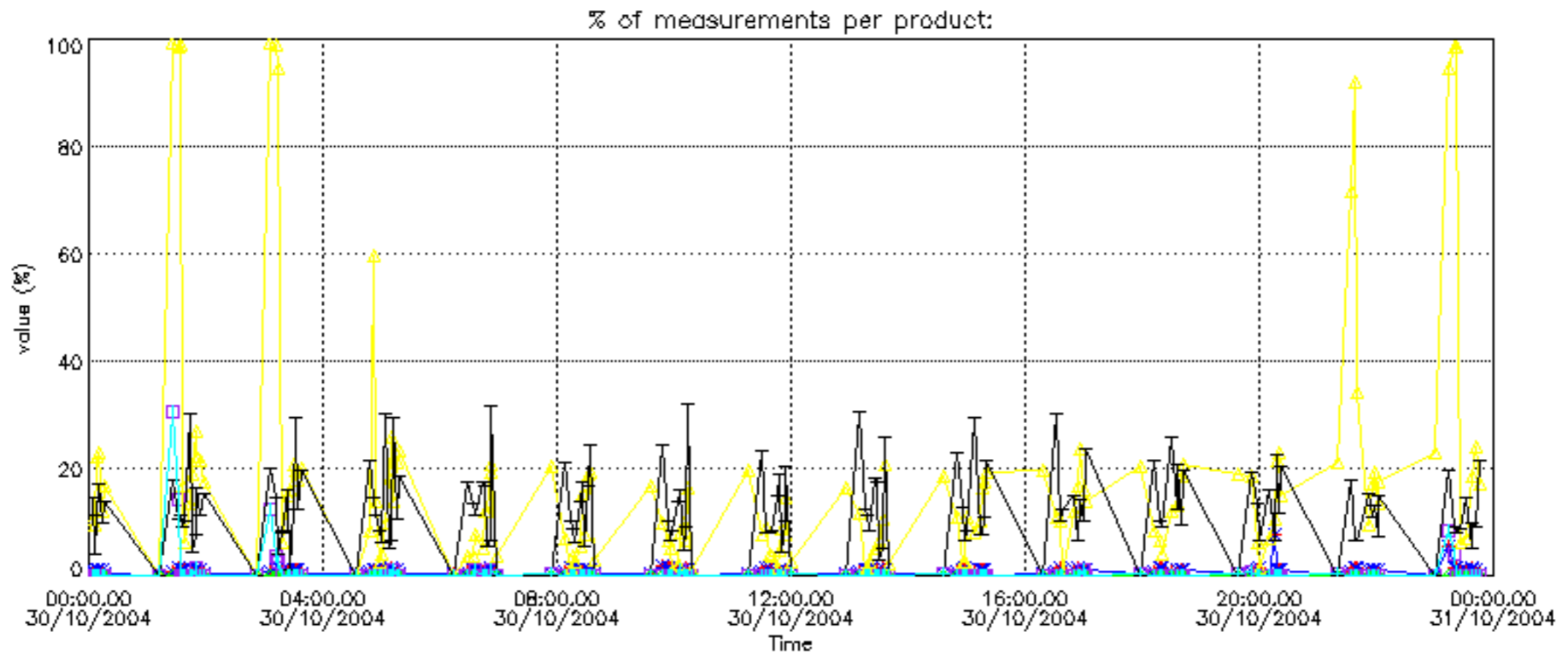


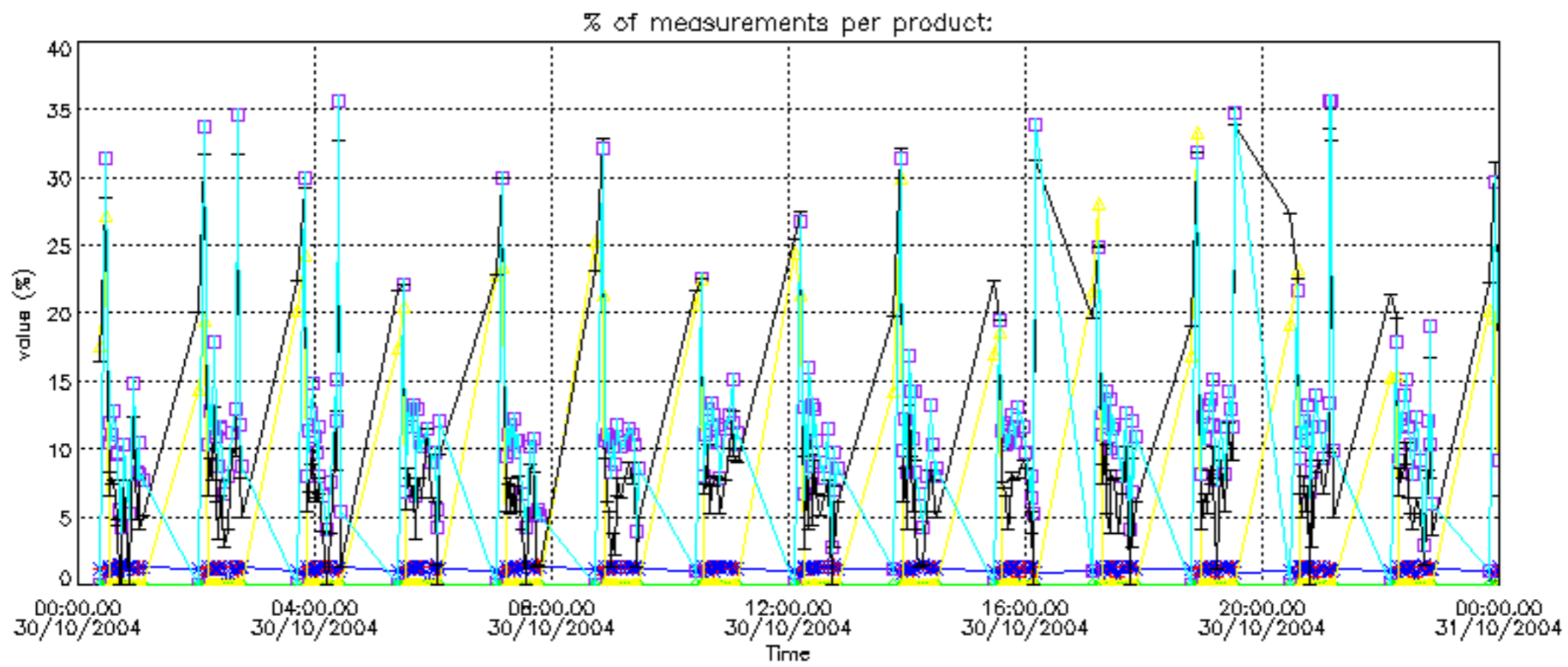
Percentage of flagged data per NO2 profile



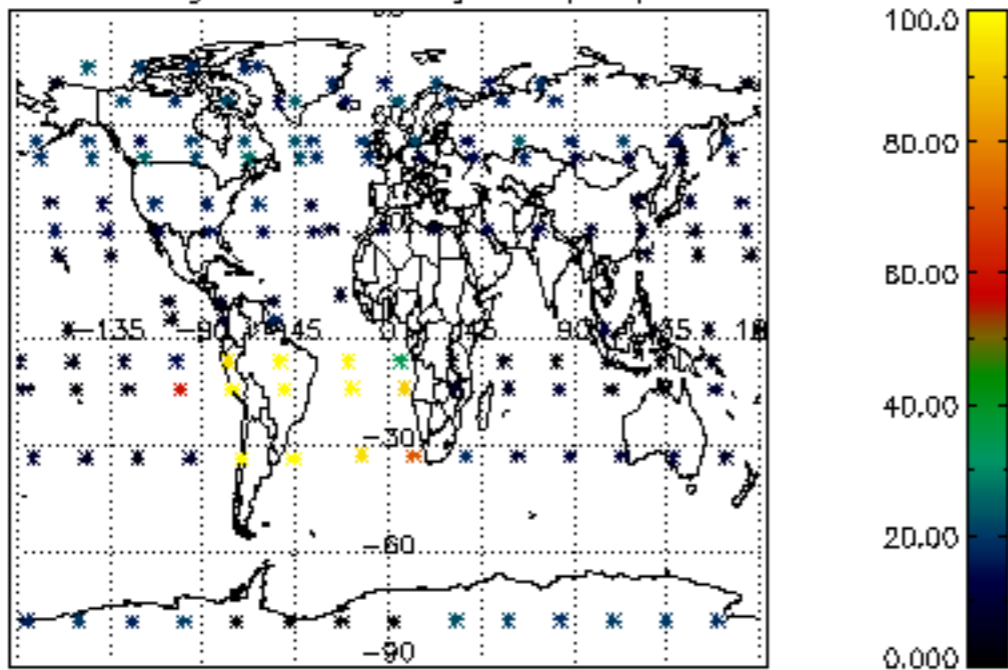
Percentage of flagged data per NO3 profile



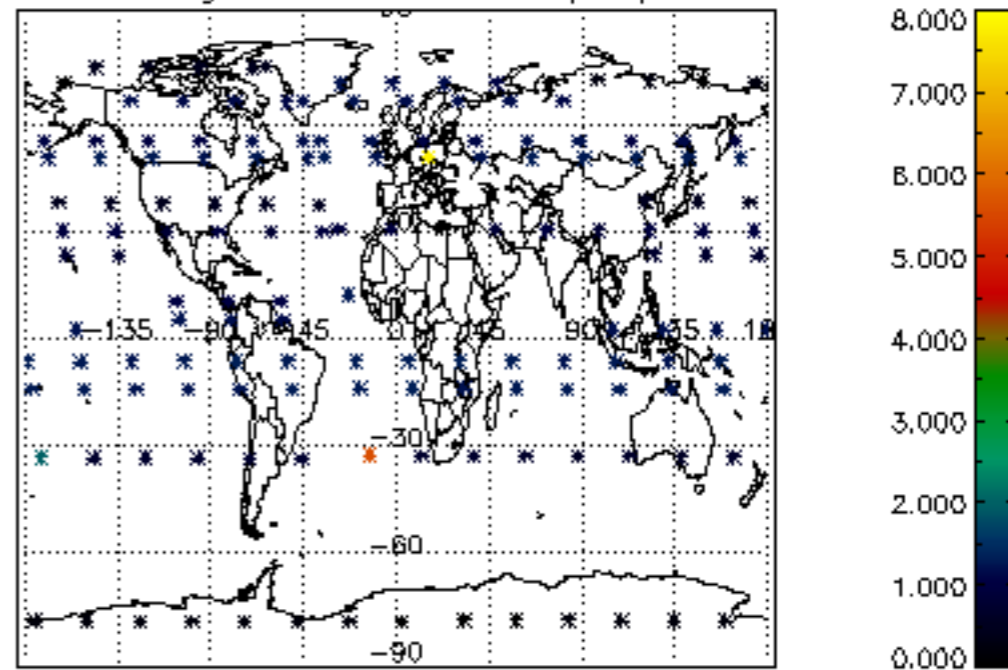




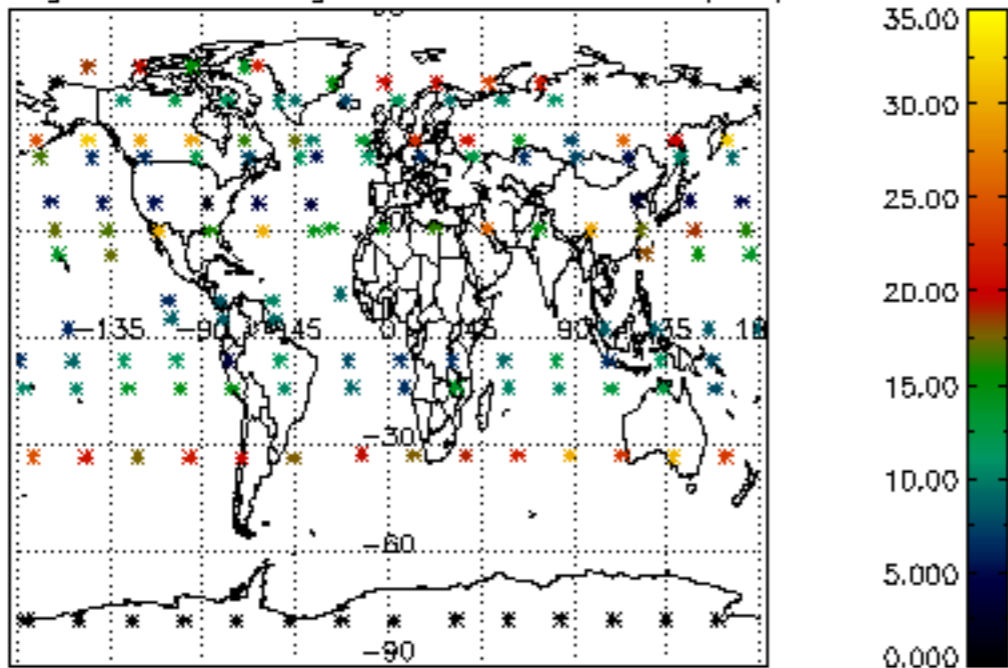
Percentage of cosmic ray hits per profile



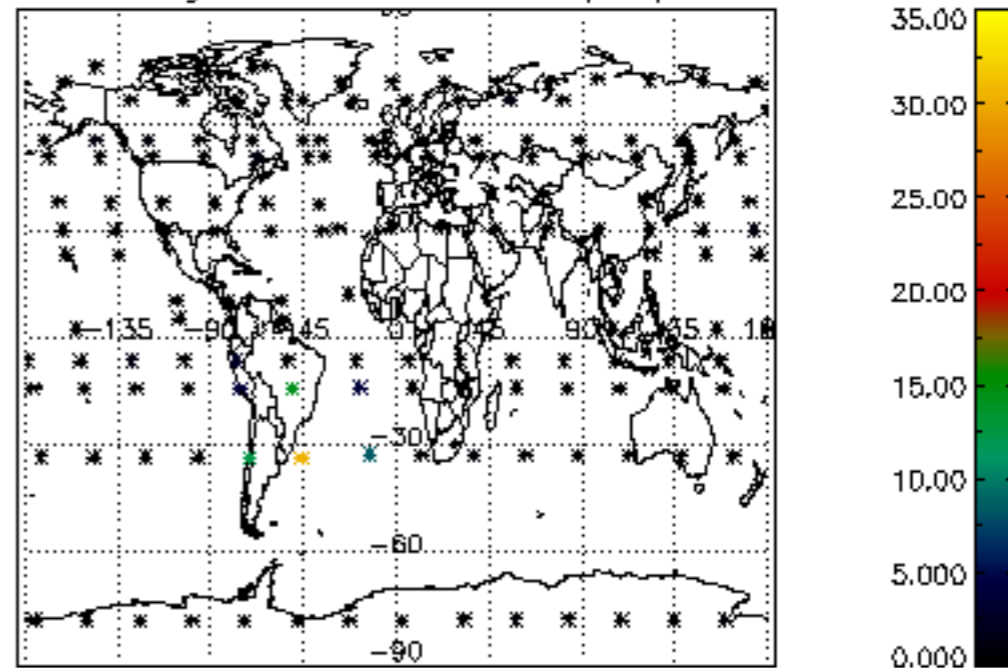
Percentage of datation errors per profile



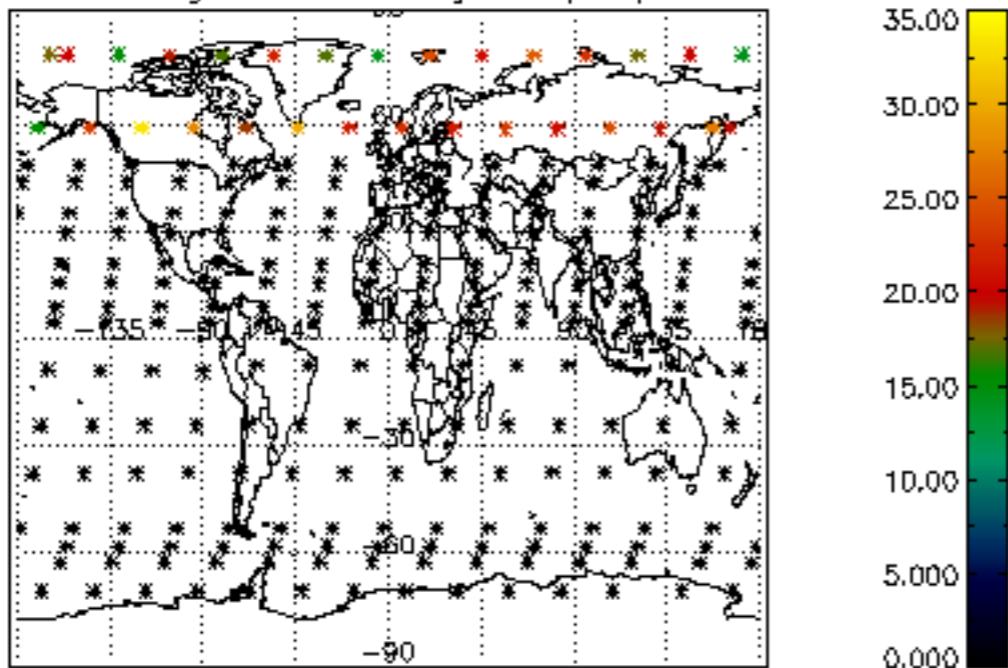
Percentage of star falling outside central band per profile



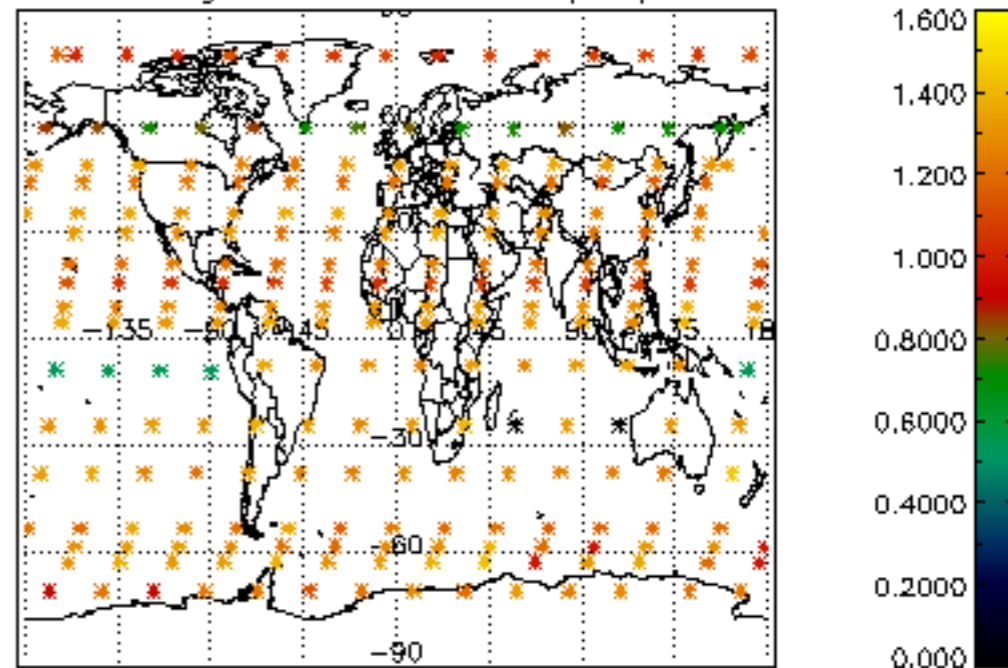
Percentage of saturation errors per profile



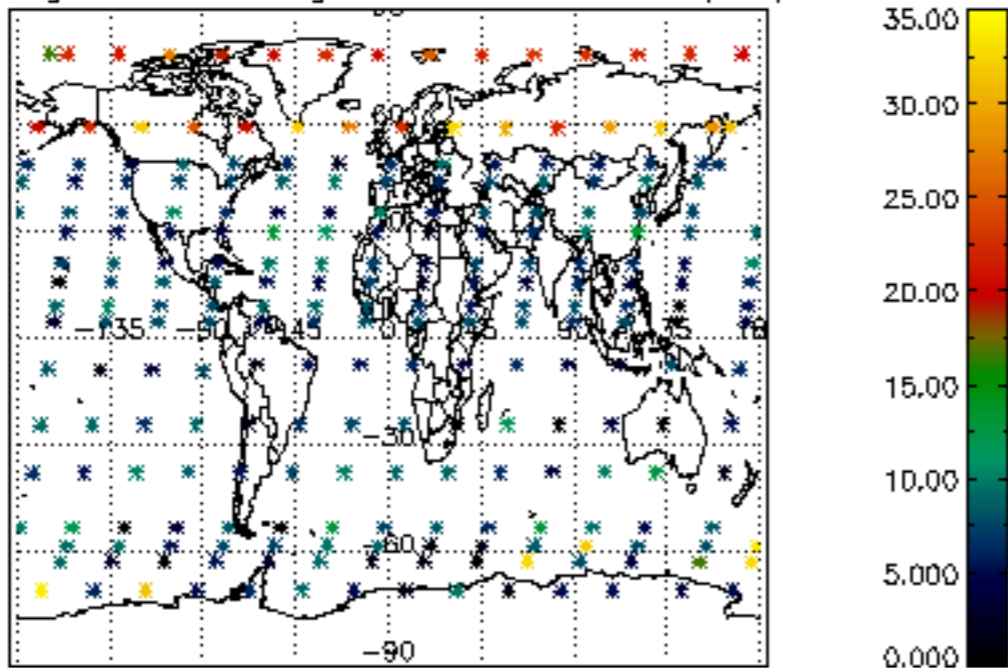
Percentage of cosmic ray hits per profile



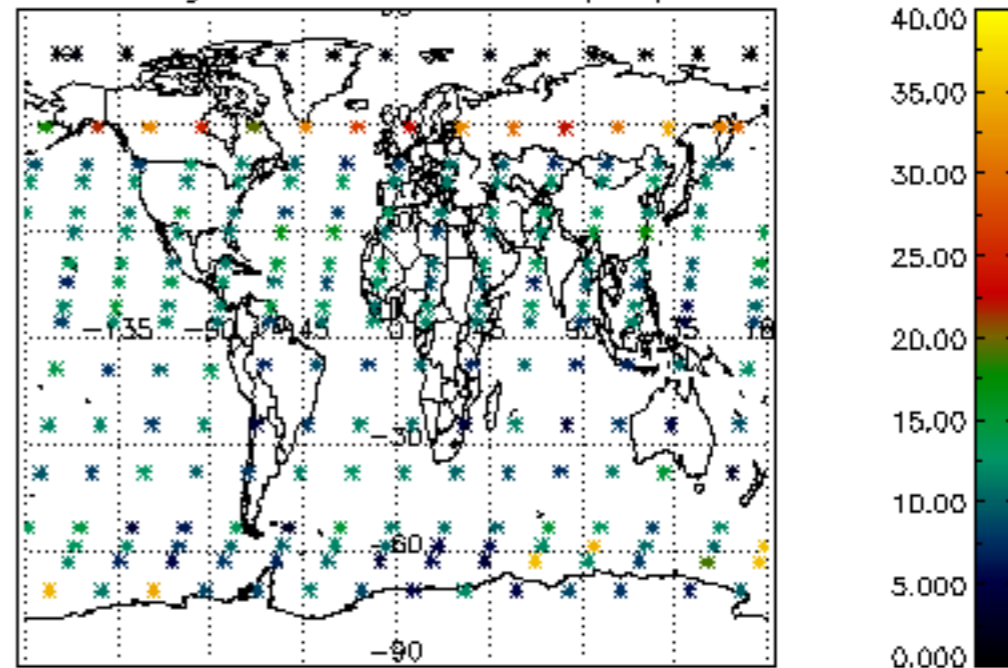
Percentage of datation errors per profile



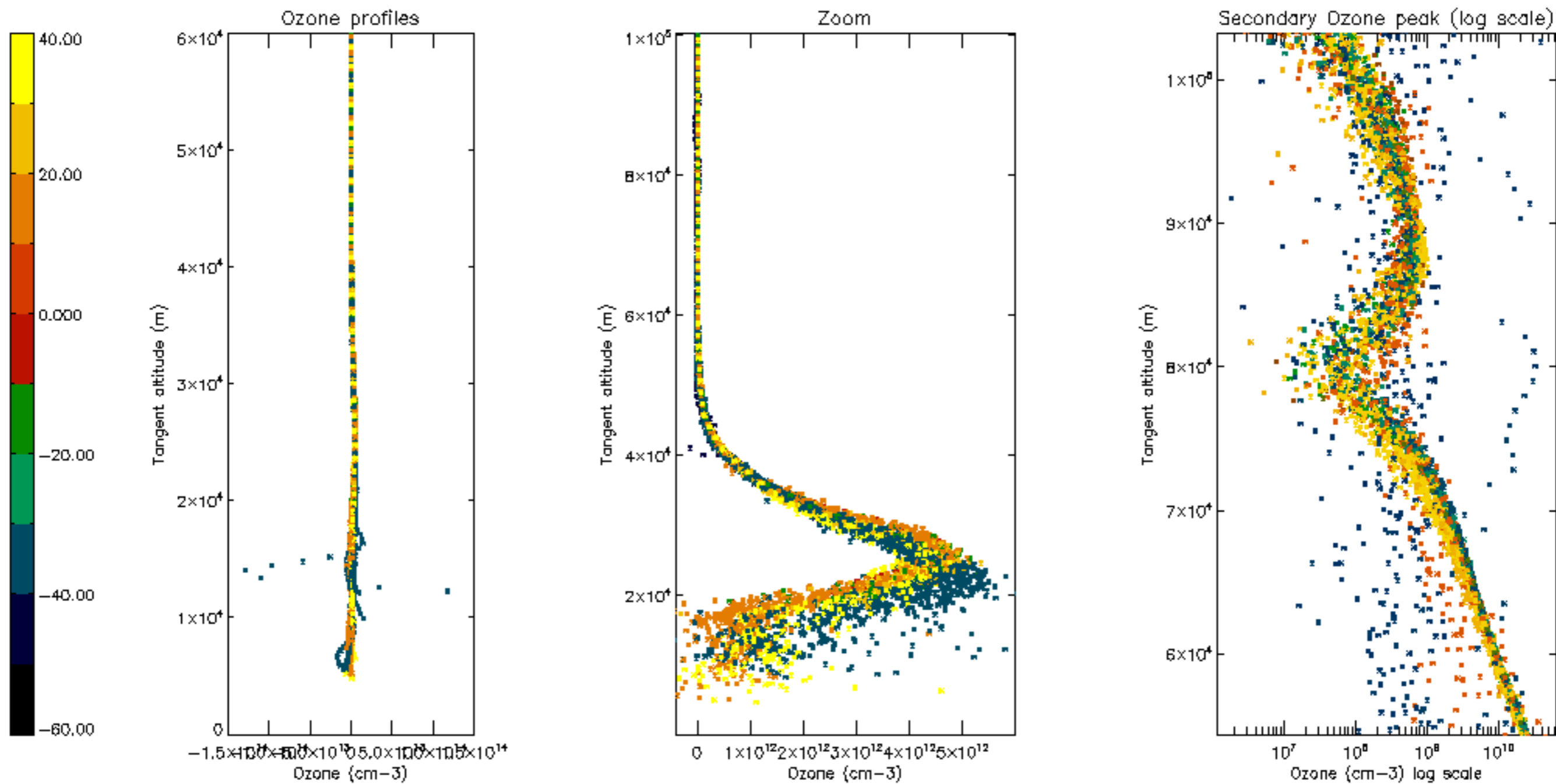
Percentage of star falling outside central band per profile

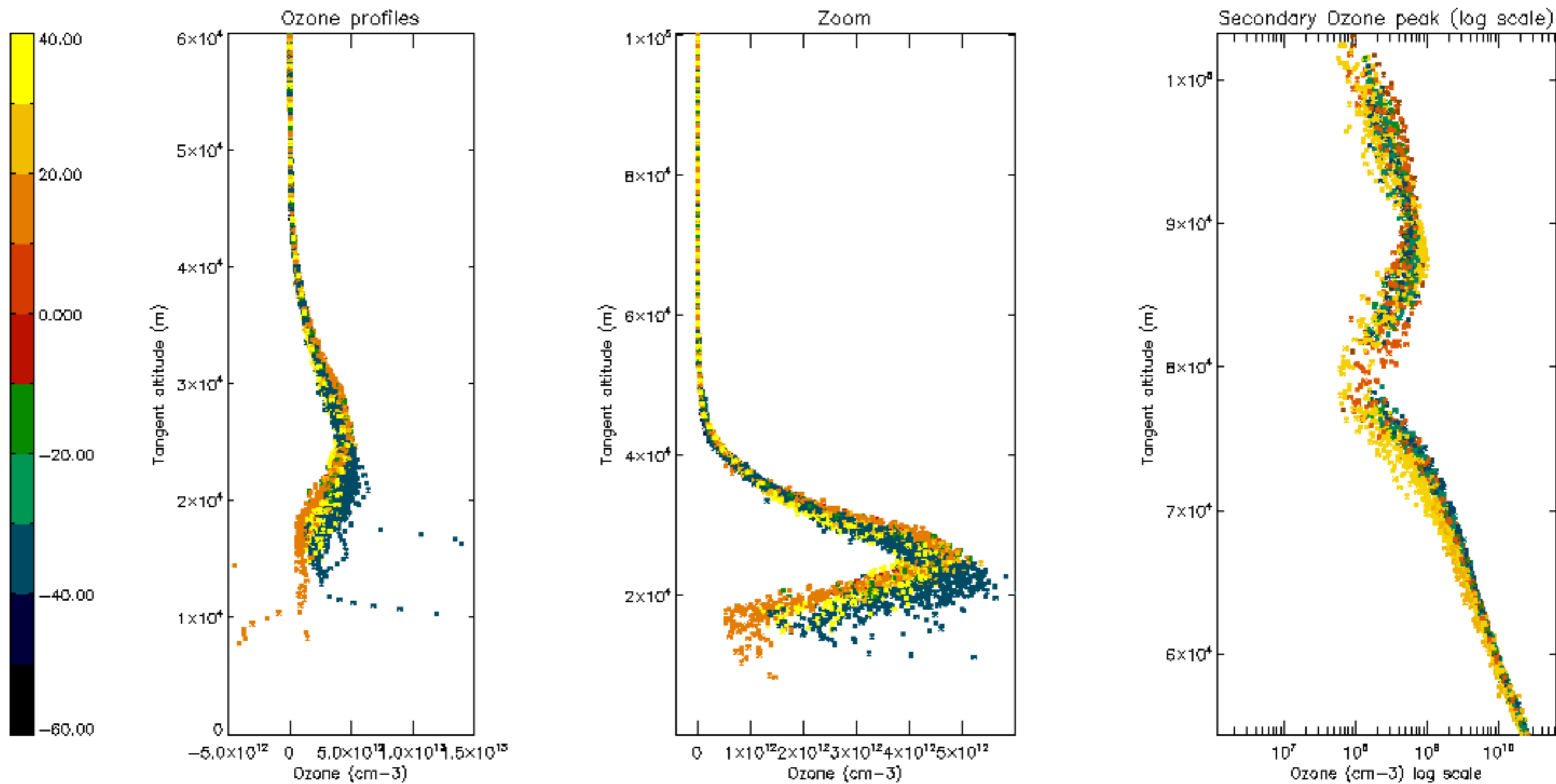


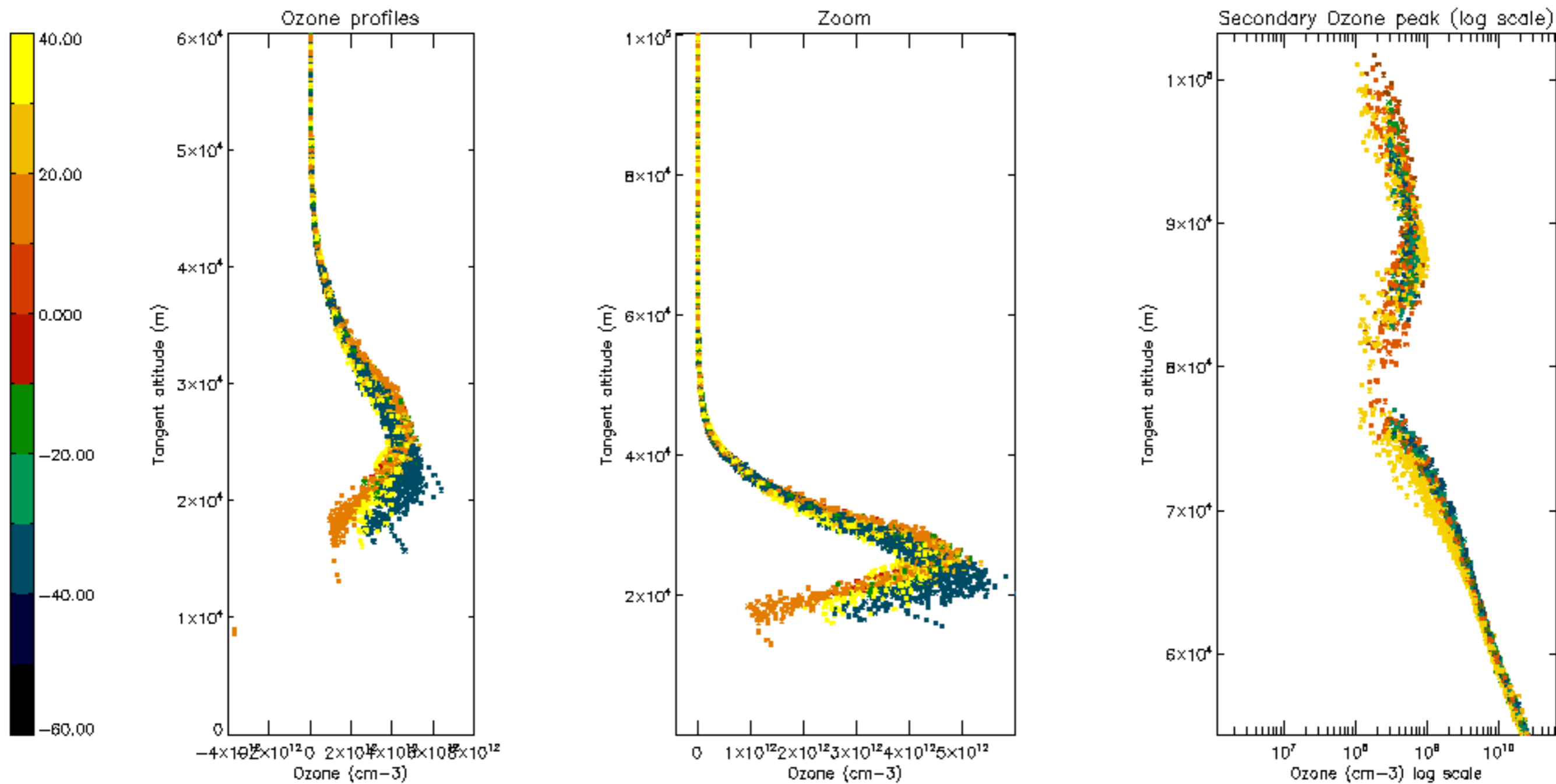
Percentage of saturation errors per profile

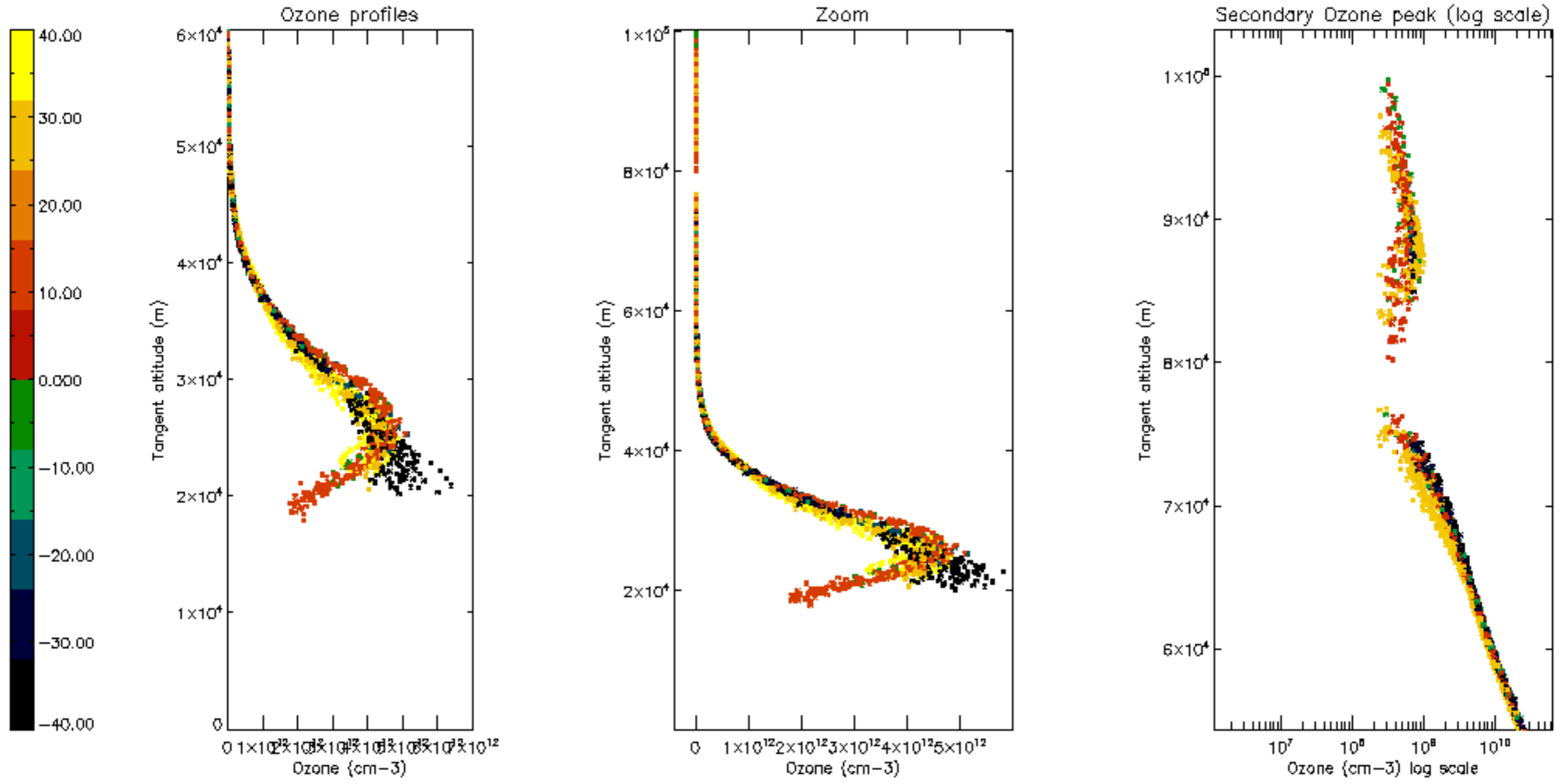


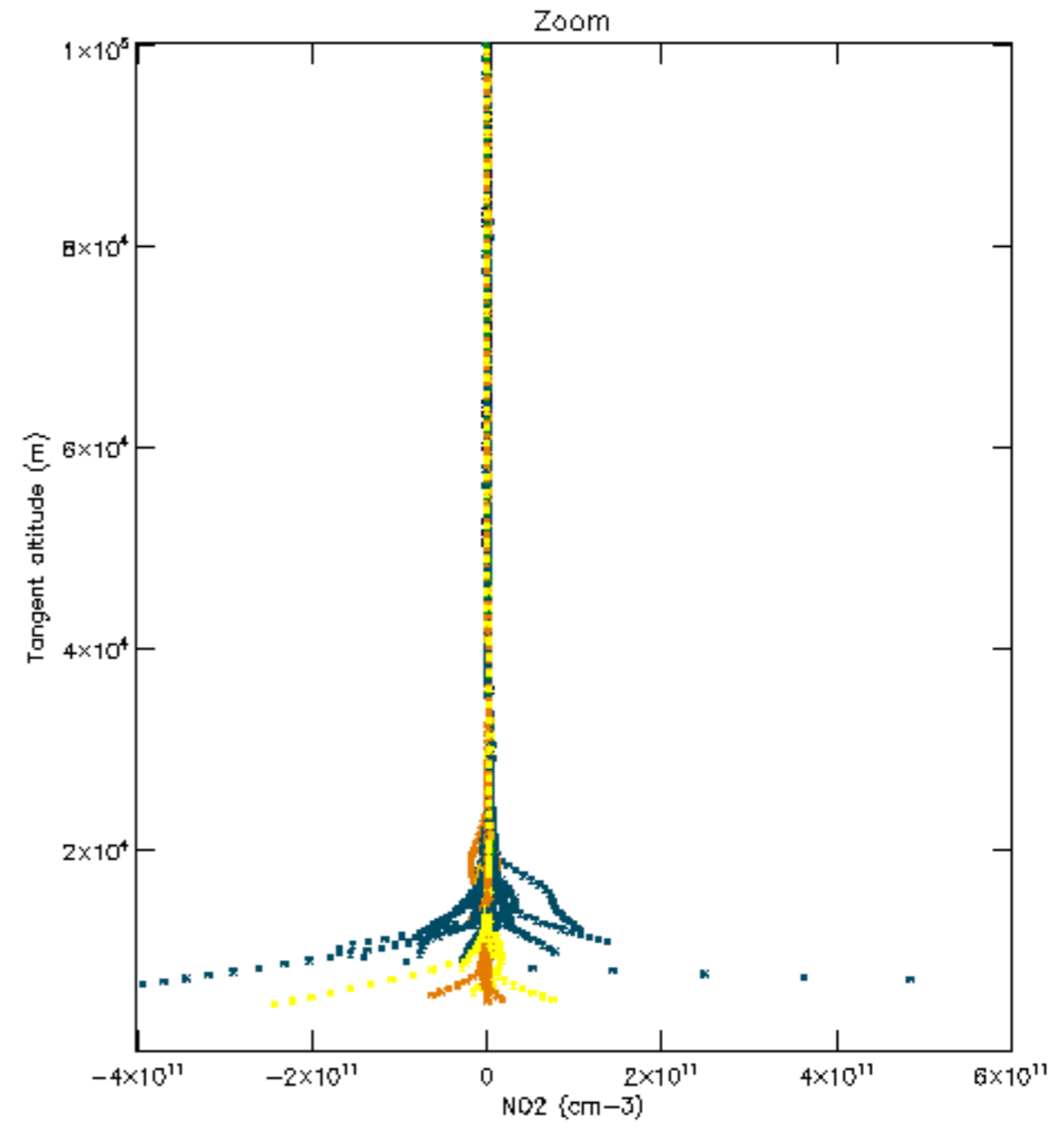
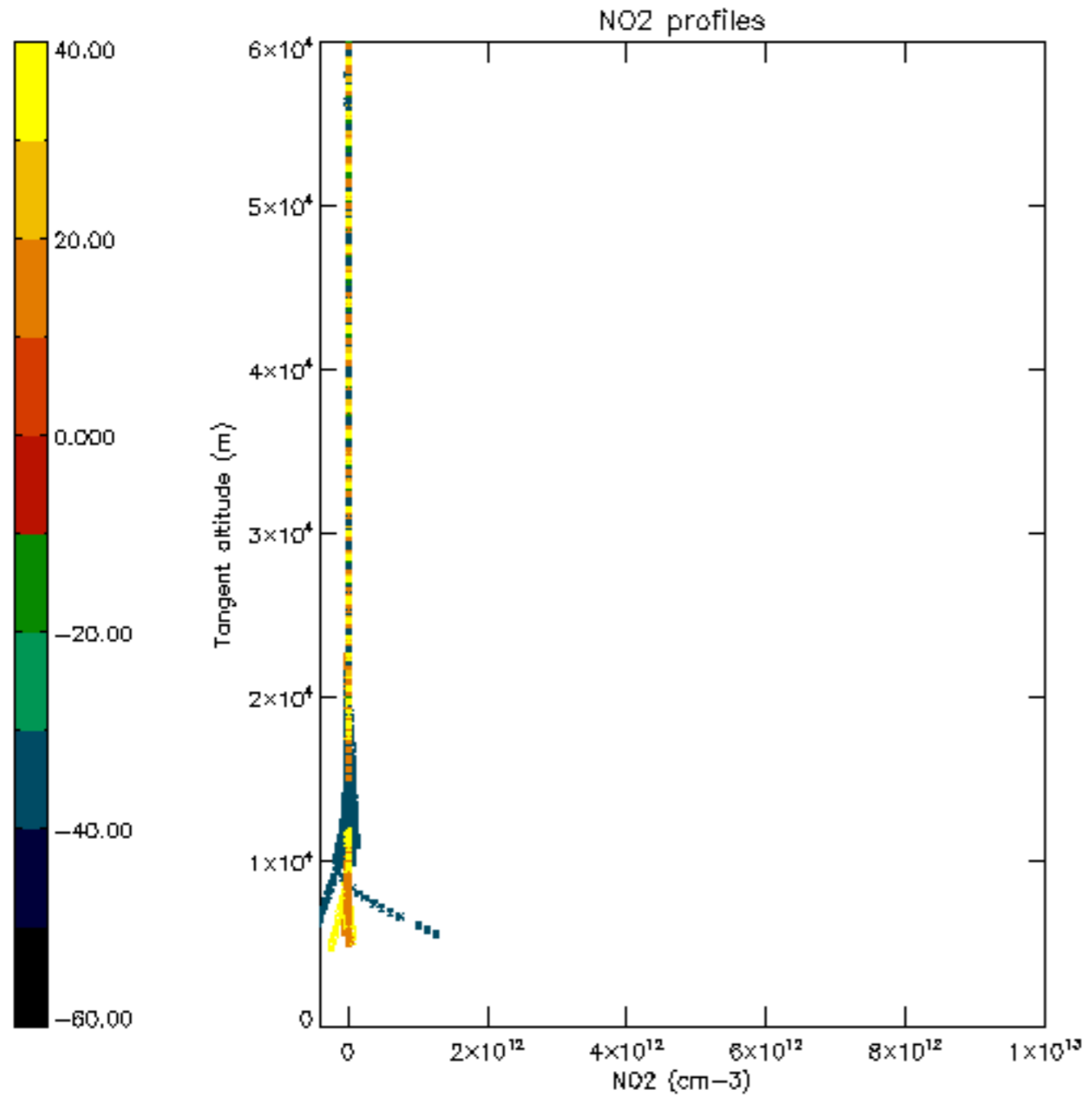


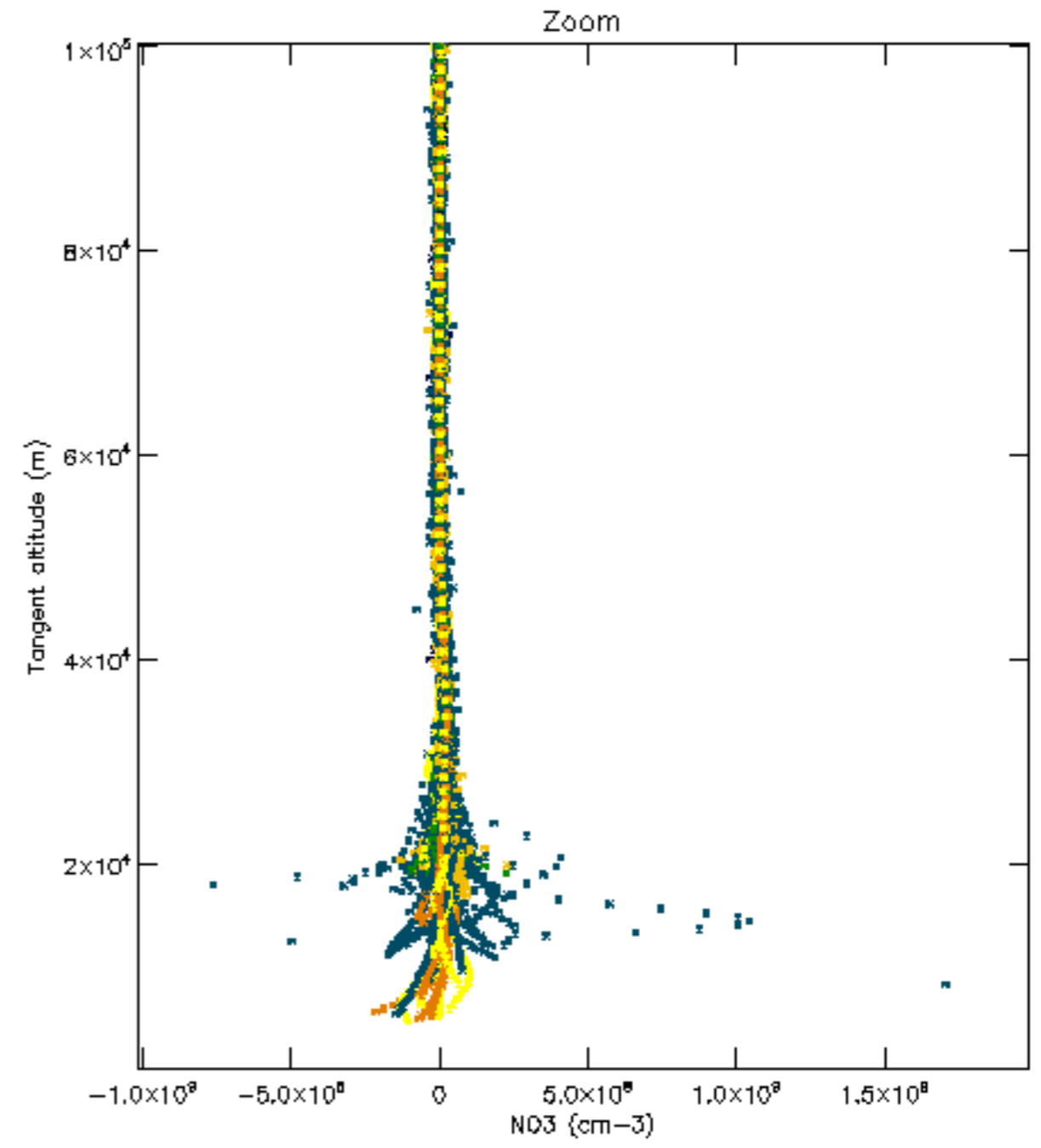
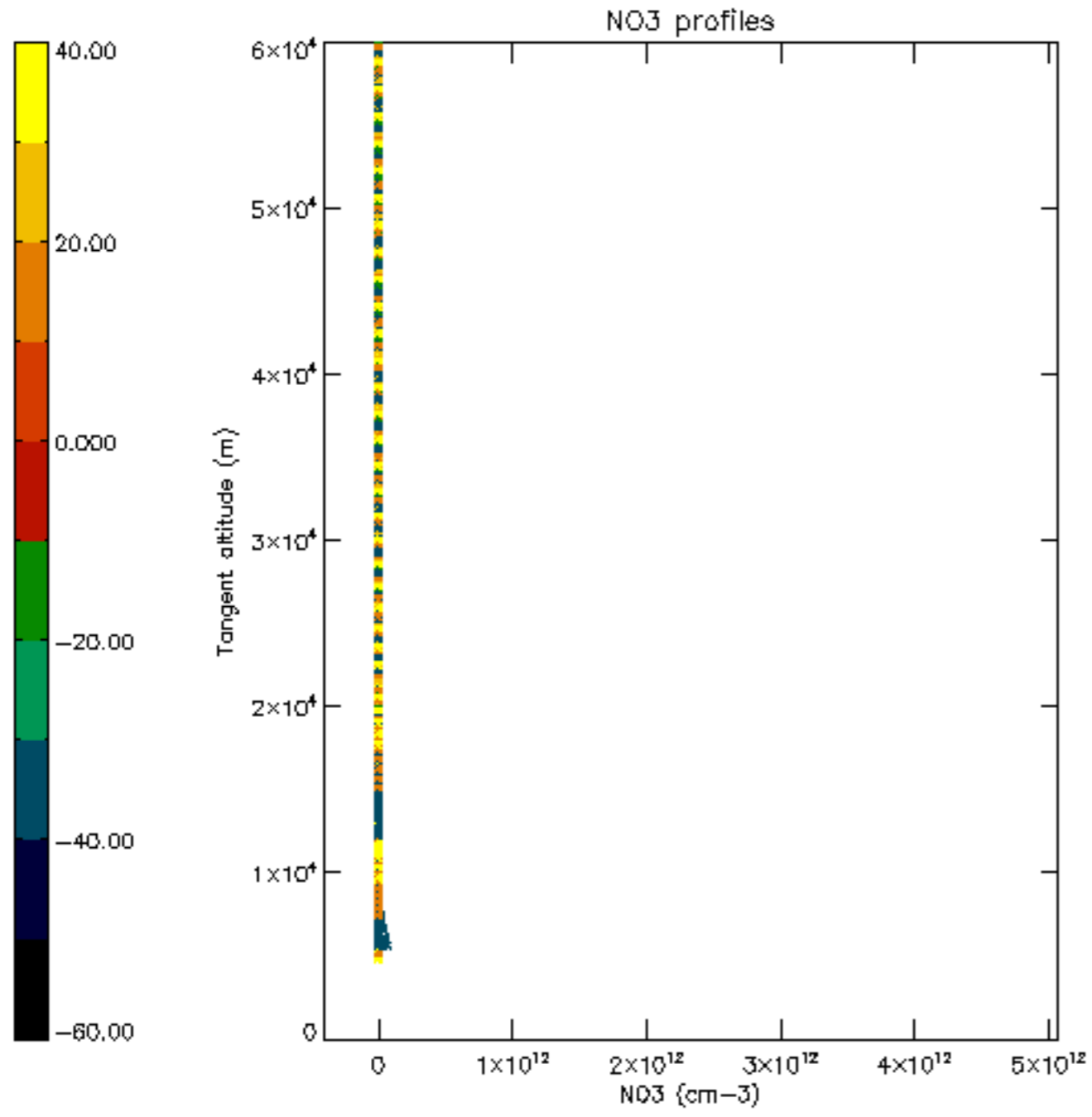


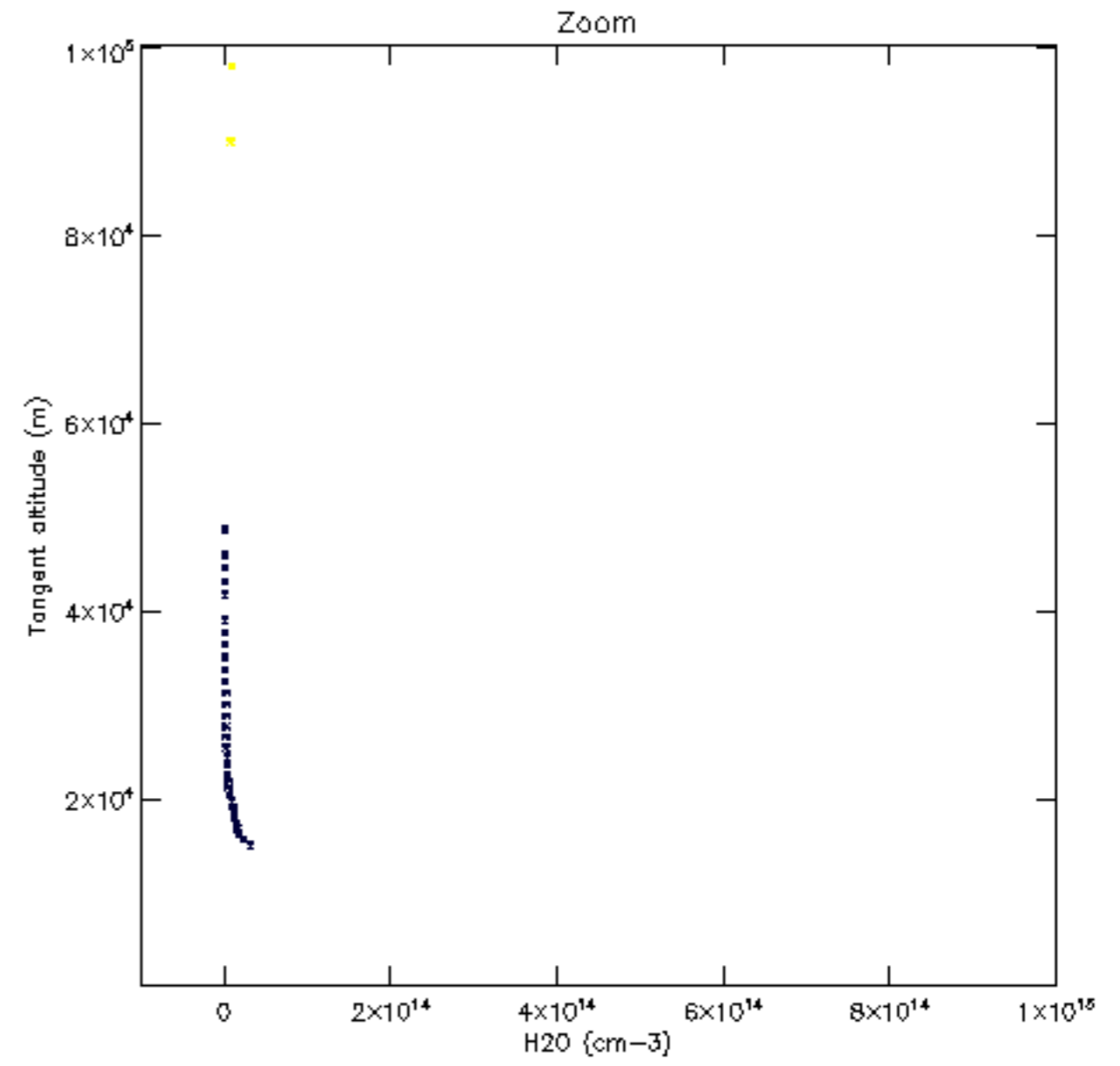
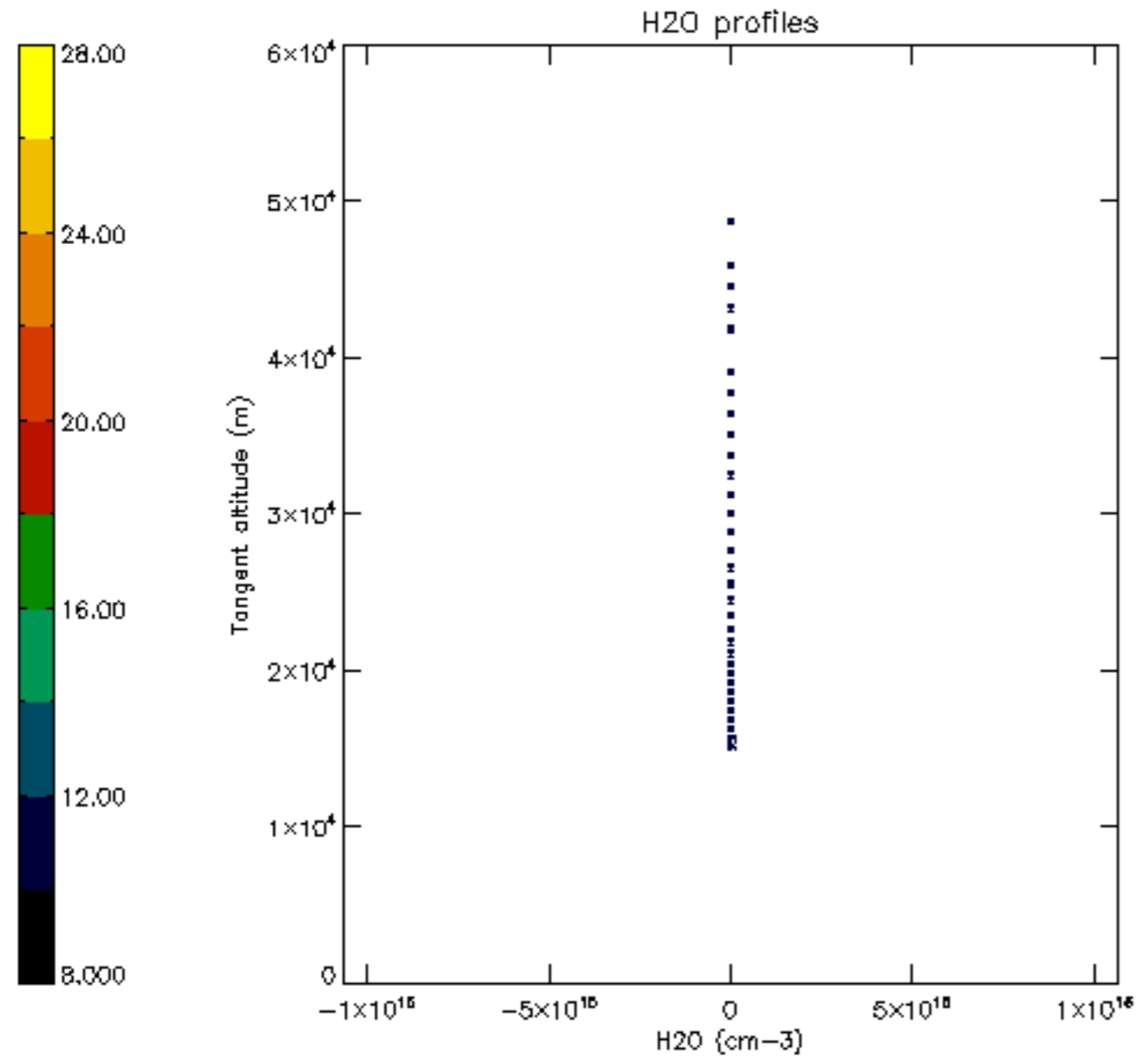


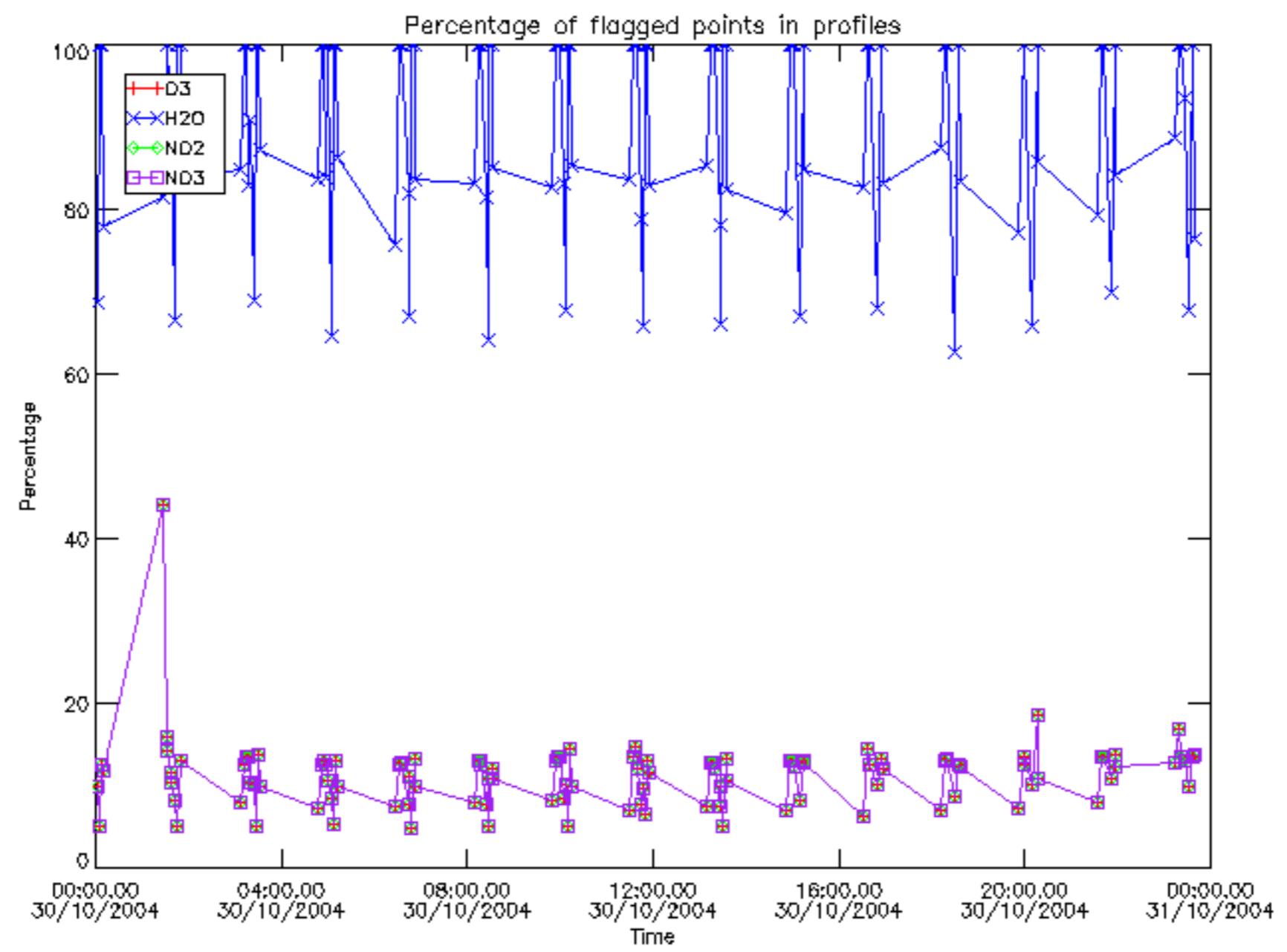






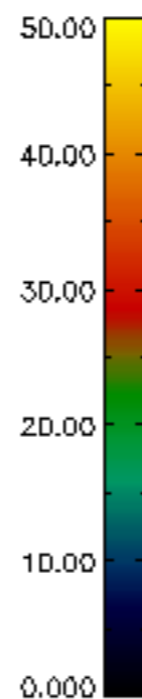
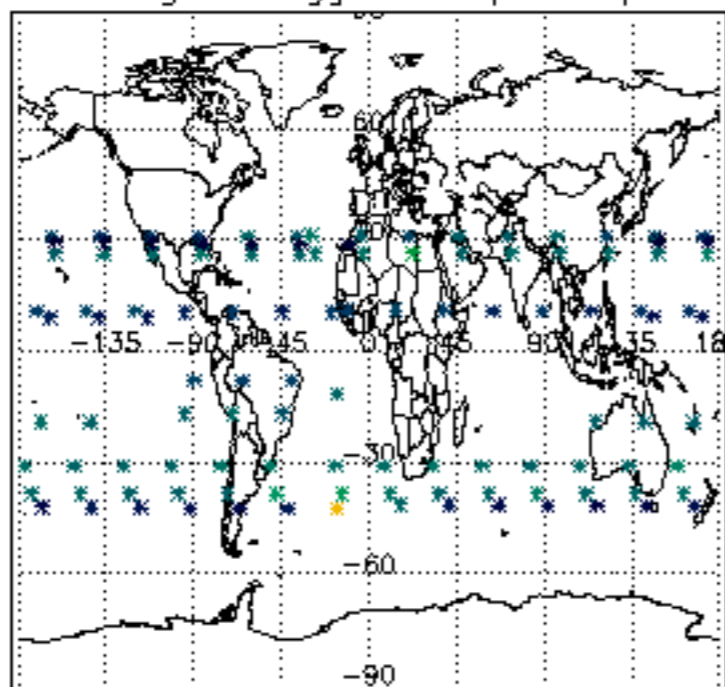




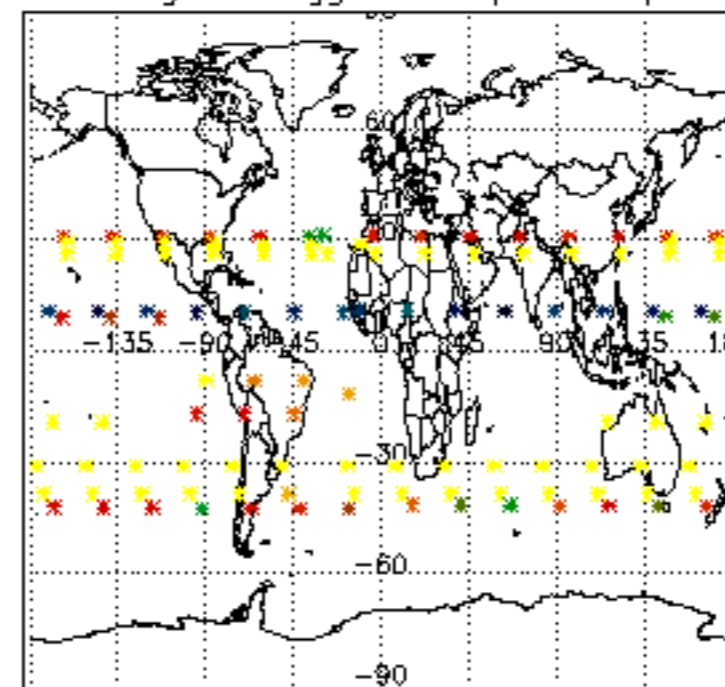




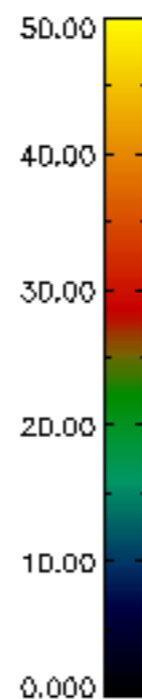
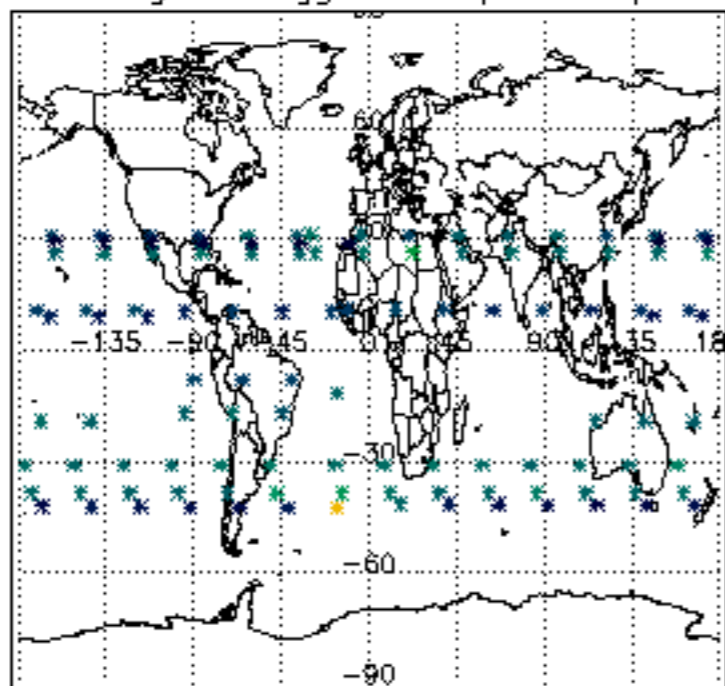
Percentage of flagged data per D3 profile



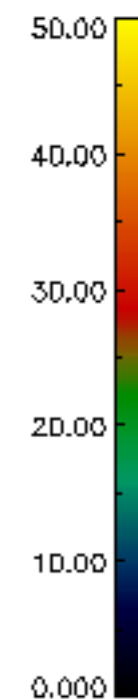
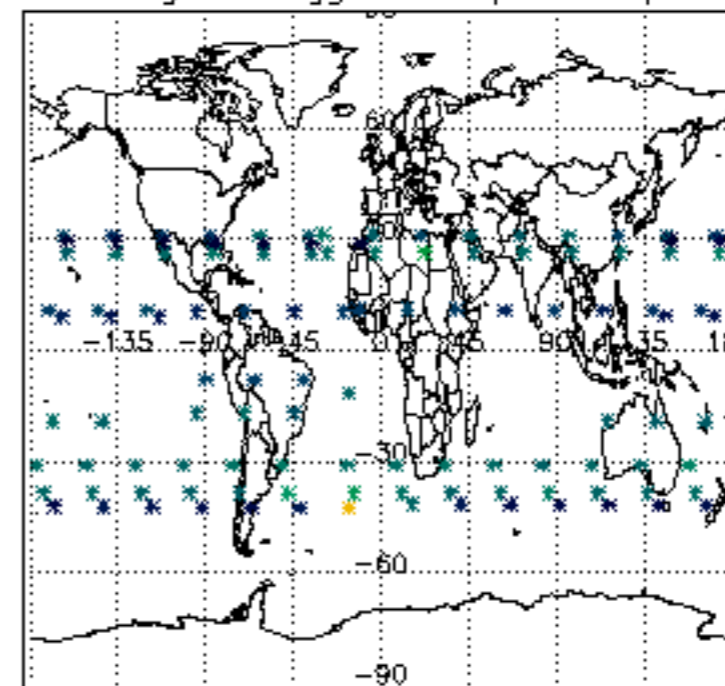
Percentage of flagged data per H2O profile

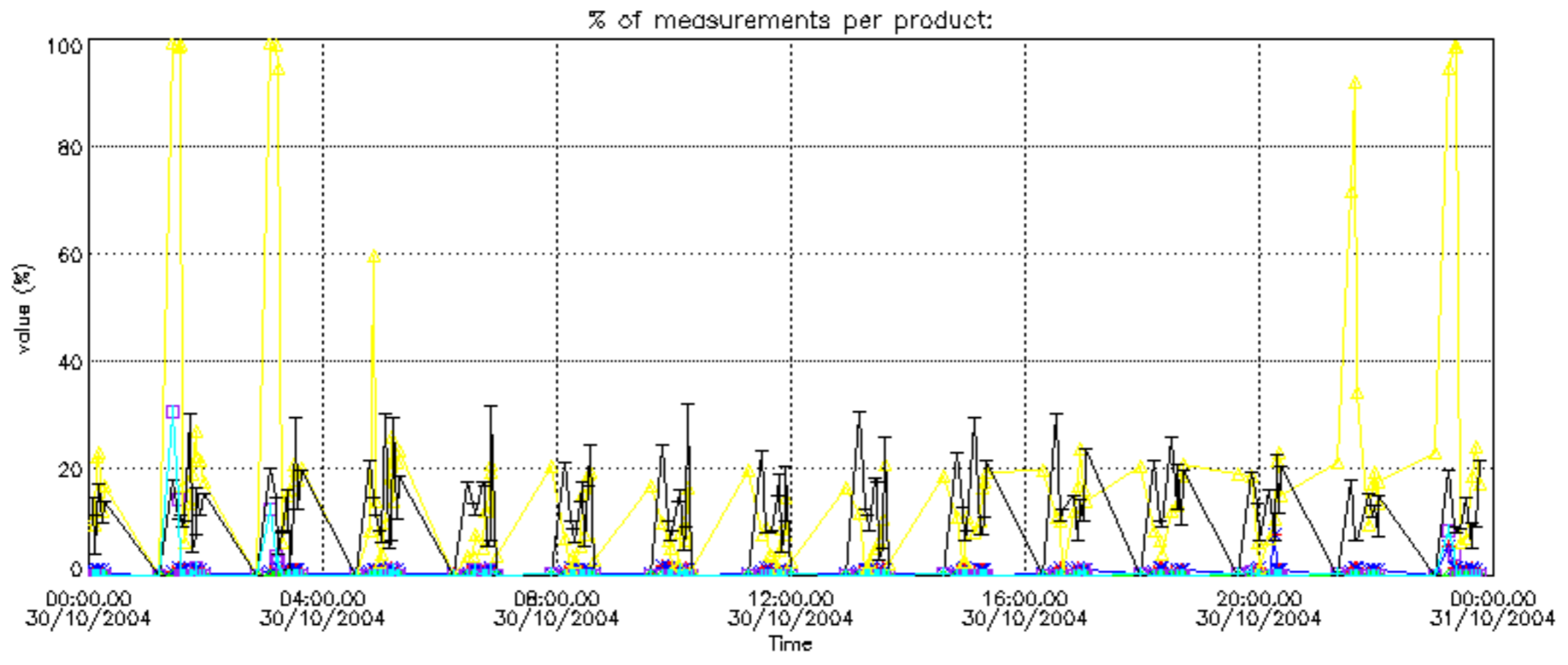


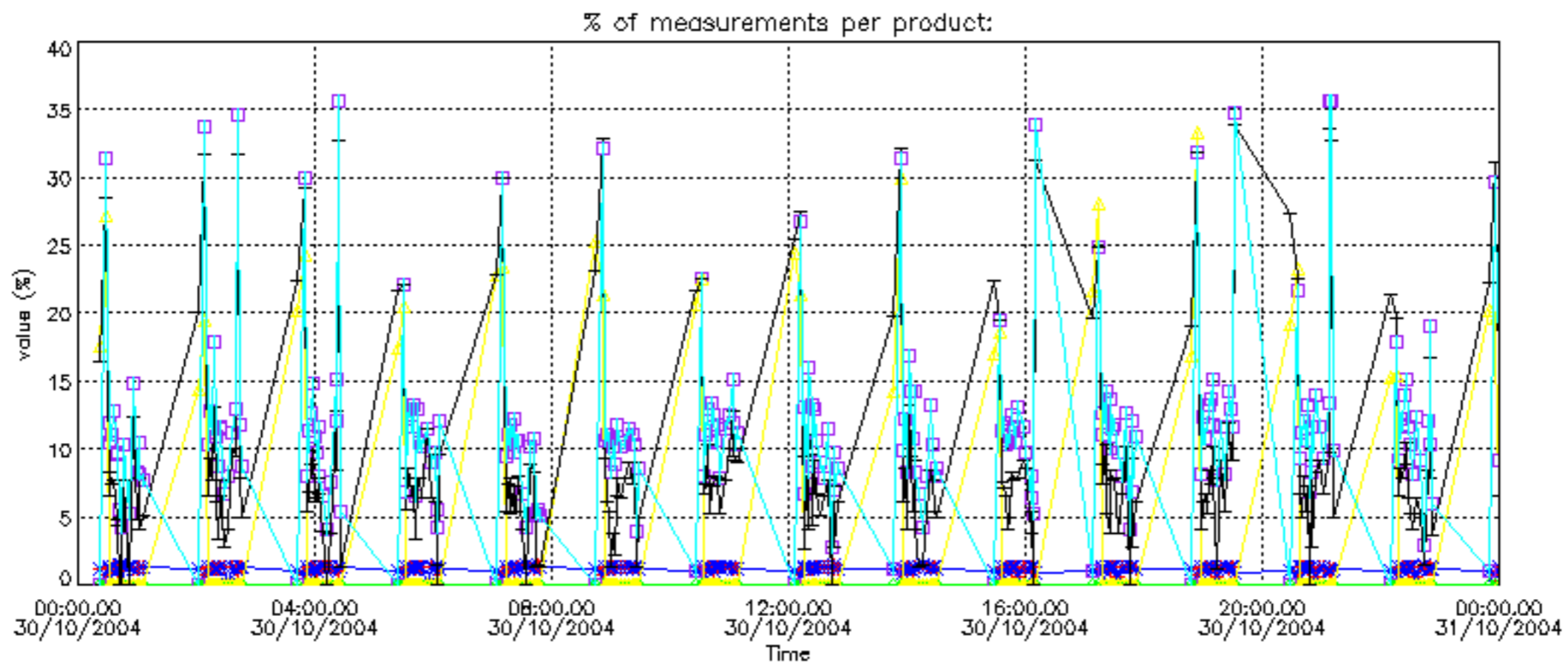
Percentage of flagged data per NO2 profile



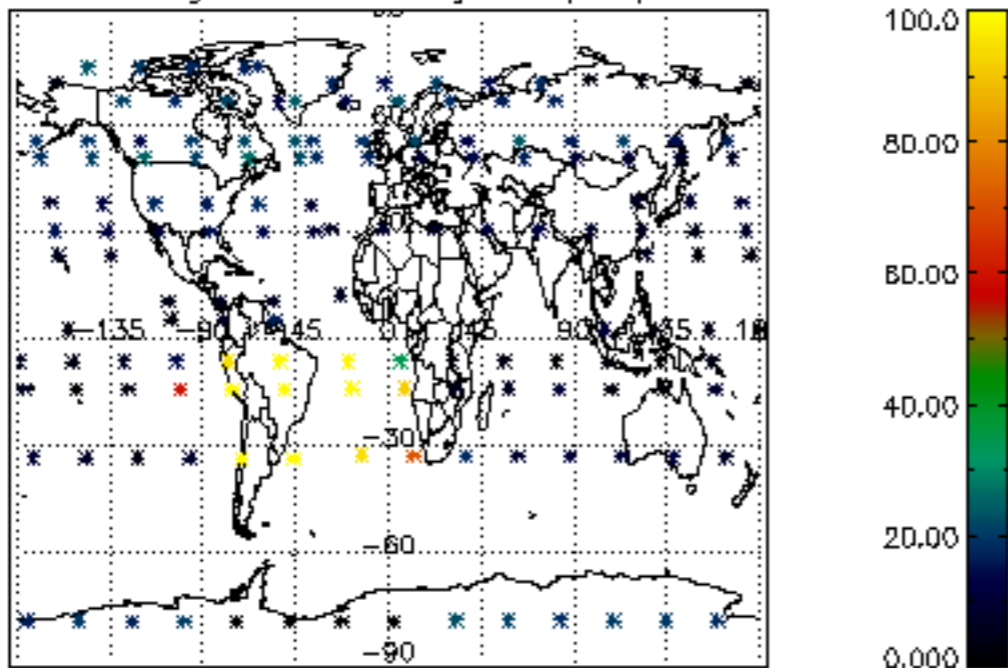
Percentage of flagged data per NO3 profile



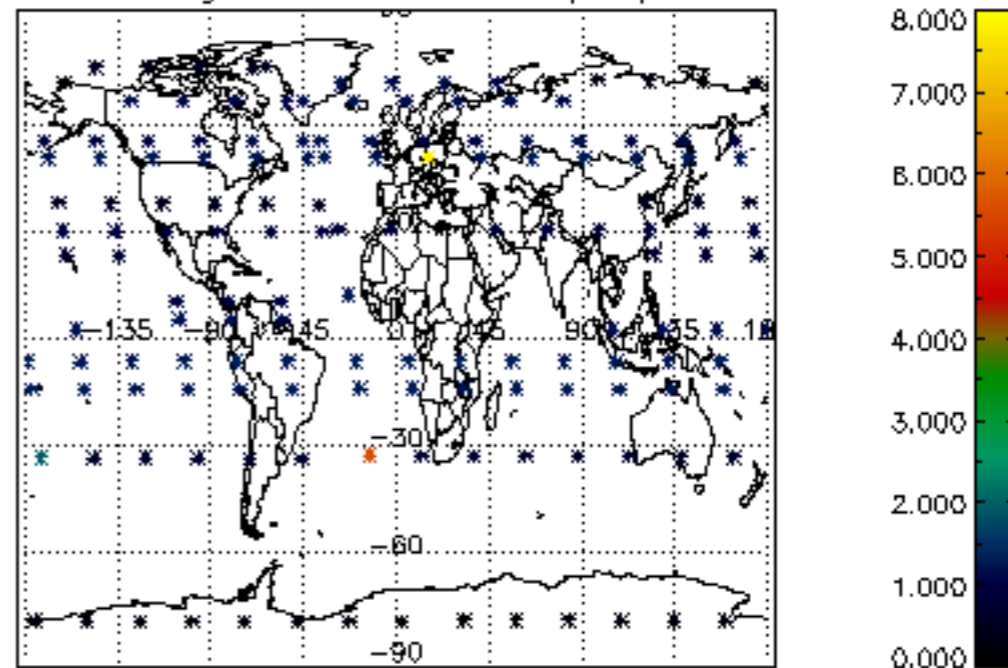




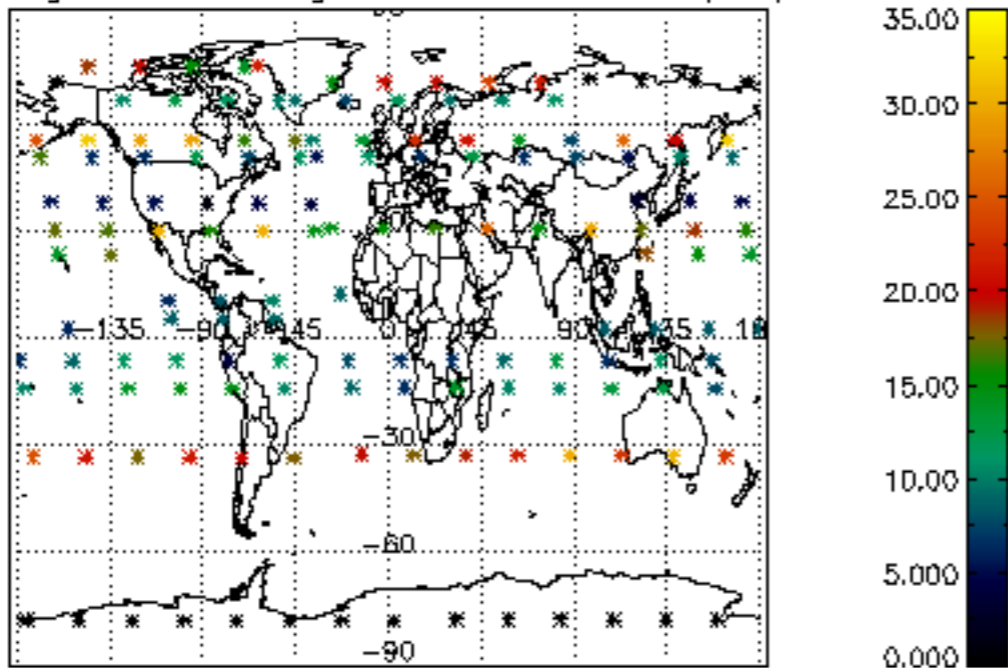
Percentage of cosmic ray hits per profile



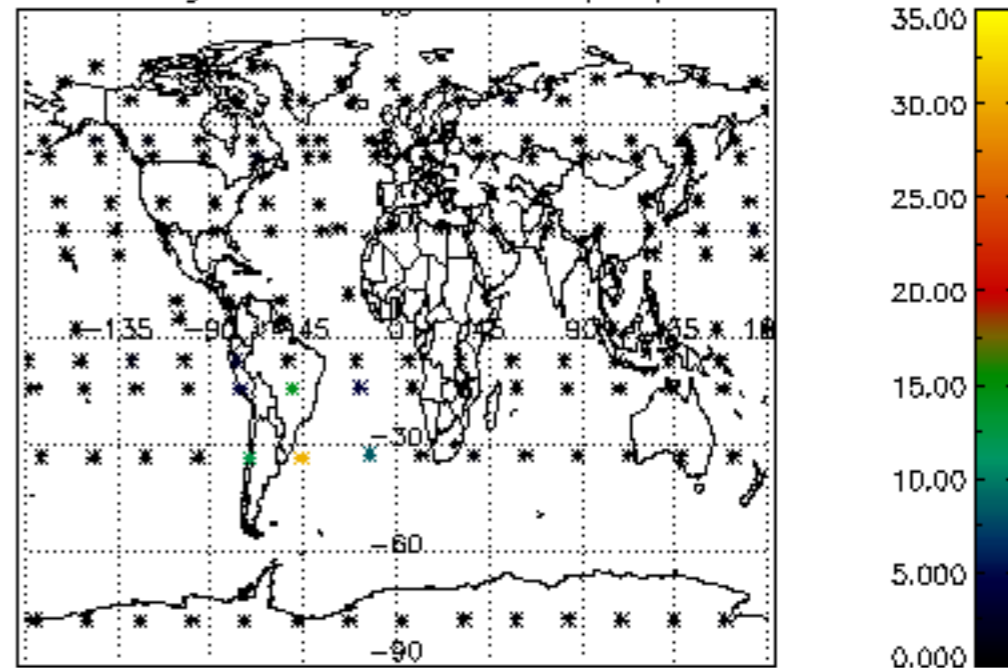
Percentage of datation errors per profile



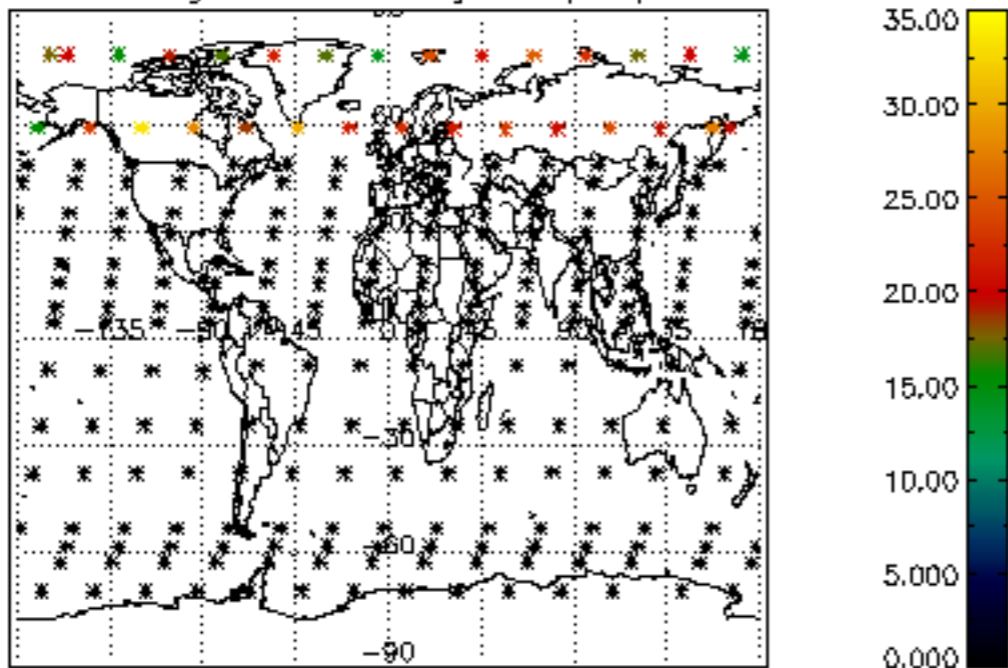
Percentage of star falling outside central band per profile



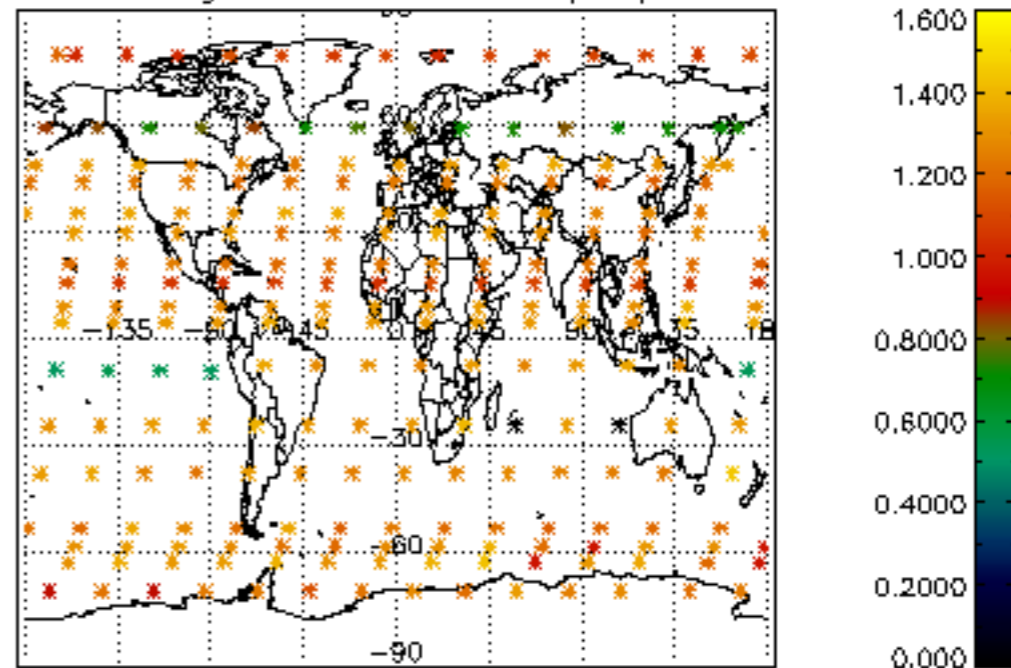
Percentage of saturation errors per profile



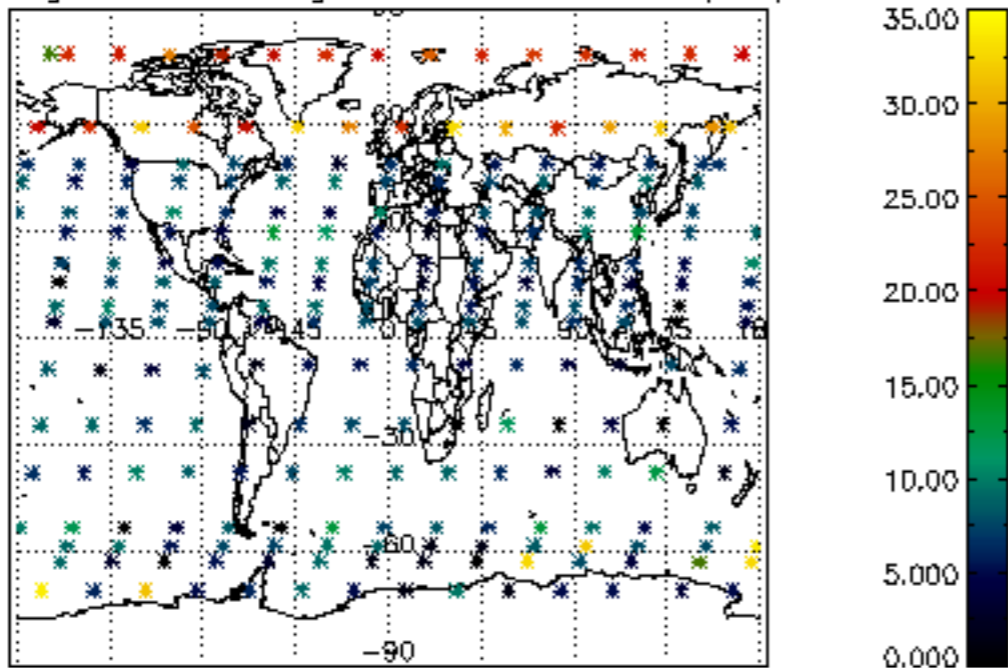
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

