

# 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	25APR2013 11:16:46
Data source version	GOMOS/6.01
Start time of products	05-03-2008 (05MAR2008 00:00:00)
Stop time of products	06-03-2008 (06MAR2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	327
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__2PRFIN20080305_011900_00000422066_00317_31433_9900.N1	05-MAR-2008 01:19:00	Dark	42.000	155	41Pi Sgr	2.9000	6600.0	84	31433	No
2	GOM_NL__2PRFIN20080305_012053_00000452066_00317_31433_9901.N1	05-MAR-2008 01:20:53	Dark	45.000	57	34Sig Sgr	2.0660	26000.	90	31433	No
3	GOM_NL__2PRFIN20080305_012405_00000402066_00317_31433_9902.N1	05-MAR-2008 01:24:05	Dark	40.000	38	20Eps Sgr	1.8360	11000.	80	31433	No
4	GOM_NL__2PRFIN20080305_012710_00000552066_00317_31433_9903.N1	05-MAR-2008 01:27:10	Dark	55.000	25	35Lam Sco	1.6200	28000.	110	31433	No
5	GOM_NL__2PRFIN20080305_013035_00000422066_00318_31434_9929.N1	05-MAR-2008 01:30:35	Dark	41.500	141	Bet Ara	2.8400	4600.0	83	31434	No
6	GOM_NL__2PRFIN20080305_013329_00000402066_00318_31434_9930.N1	05-MAR-2008 01:33:29	Dark	39.500	43	Alp TrA	1.9100	4250.0	79	31434	No
7	GOM_NL__2PRFIN20080305_013542_00000372066_00318_31434_9931.N1	05-MAR-2008 01:35:42	Dark	36.500	145	Gam TrA	2.8720	10600.	73	31434	No
8	GOM_NL__2PRFIN20080305_013710_00000442066_00318_31434_9932.N1	05-MAR-2008 01:37:10	Dark	43.500	4	Alp1Cen	-0.010000	5800.0	87	31434	No
9	GOM_NL__2PRFIN20080305_013828_00000442066_00318_31434_9933.N1	05-MAR-2008 01:38:28	Dark	43.500	10	Bet Cen	0.61000	28000.	87	31434	No
10	GOM_NL__2PRFIN20080305_014052_00000392066_00318_31434_9934.N1	05-MAR-2008 01:40:52	Dark	39.000	12	Alp1Cru	0.77500	30000.	78	31434	No
11	GOM_NL__2PRFIN20080305_014203_00000392066_00318_31434_9935.N1	05-MAR-2008 01:42:03	Dark	38.500	129	Del Cru	2.7930	26000.	77	31434	No
12	GOM_NL__2PRFIN20080305_014330_00000462066_00318_31434_9936.N1	05-MAR-2008 01:43:30	Dark	46.000	64	Gam Cen	2.2000	10600.	92	31434	No
13	GOM_NL__2PRFIN20080305_014618_00000422066_00318_31434_9937.N1	05-MAR-2008 01:46:18	Straylight	41.500	113	Mu Vel	2.6920	5000.0	83	31434	No
14	GOM_NL__2PRFIN20080305_015840_00000482066_00318_31434_9938.N1	05-MAR-2008 01:58:40	Twilight_and_stray	47.500	48	30Alp Hya	1.9770	4100.0	95	31434	No
15	GOM_NL__2PRFIN20080305_020435_00000412066_00318_31434_9939.N1	05-MAR-2008 02:04:35	Bright	40.500	22	32Alp Leo	1.3600	15200.	81	31434	No
16	GOM_NL__2PRFIN20080305_020705_00000422066_00318_31434_9940.N1	05-MAR-2008 02:07:05	Bright	41.500	51	41Gam1Leo	2.0100	4500.0	83	31434	No
17	GOM_NL__2PRFIN20080305_021834_00000382066_00318_31434_9941.N1	05-MAR-2008 02:18:34	Bright	37.500	82	48Bet UMa	2.3650	10600.	75	31434	No
18	GOM_NL__2PRFIN20080305_021958_00000402066_00318_31434_9942.N1	05-MAR-2008 02:19:58	Bright	40.000	36	50Alp UMa	1.8000	6300.0	80	31434	No
19	GOM_NL__2PRFIN20080305_022634_00000332066_00318_31434_9943.N1	05-MAR-2008 02:26:34	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	31434	No
20	GOM_NL__2PRFIN20080305_023411_00000362066_00318_31434_9944.N1	05-MAR-2008 02:34:11	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	31434	No
21	GOM_NL__2PRFIN20080305_023916_00000362066_00318_31434_9945.N1	05-MAR-2008 02:39:16	Bright	35.500	19	50Alp Cyg	1.2460	10500.	71	31434	No
22	GOM_NL__2PRFIN20080305_024050_00000342066_00318_31434_9946.N1	05-MAR-2008 02:40:50	Bright	33.500	66	37Gam Cyg	2.2080	5900.0	67	31434	No
23	GOM_NL__2PRFIN20080305_024225_00000352066_00318_31434_9947.N1	05-MAR-2008 02:42:25	Bright	34.500	92	53Eps Cyg	2.5000	4500.0	69	31434	No
24	GOM_NL__2PRFIN20080305_024939_00000442066_00318_31434_9948.N1	05-MAR-2008 02:49:39	Bright	44.000	168	17Zet Aql	2.9860	11000.	88	31434	No
25	GOM_NL__2PRFIN20080305_025936_00000402066_00318_31434_9949.N1	05-MAR-2008 02:59:36	Dark	39.500	155	41Pi Sgr	2.9000	6600.0	79	31434	No
26	GOM_NL__2PRFIN20080305_030129_00000452066_00318_31434_9950.N1	05-MAR-2008 03:01:29	Dark	45.000	57	34Sig Sgr	2.0660	26000.	90	31434	No
27	GOM_NL__2PRFIN20080305_030442_00000482066_00318_31434_9951.N1	05-MAR-2008 03:04:42	Dark	48.000	38	20Eps Sgr	1.8360	11000.	96	31434	No
28	GOM_NL__2PRFIN20080305_030747_00000472066_00318_31434_9952.N1	05-MAR-2008 03:07:47	Dark	46.500	25	35Lam Sco	1.6200	28000.	93	31434	No
29	GOM_NL__2PRFIN20080305_031111_00000412066_00319_31435_9937.N1	05-MAR-2008 03:11:11	Dark	41.000	141	Bet Ara	2.8400	4600.0	82	31435	No
30	GOM_NL__2PRFIN20080305_031405_00000422066_00319_31435_9938.N1	05-MAR-2008 03:14:05	Dark	41.500	43	Alp TrA	1.9100	4250.0	83	31435	No
31	GOM_NL__2PRFIN20080305_031618_00000392066_00319_31435_9939.N1	05-MAR-2008 03:16:18	Dark	38.500	145	Gam TrA	2.8720	10600.	77	31435	No
32	GOM_NL__2PRFIN20080305_031747_00000452066_00319_31435_9940.N1	05-MAR-2008 03:17:47	Dark	44.500	4	Alp1Cen	-0.010000	5800.0	89	31435	No
33	GOM_NL__2PRFIN20080305_031905_00000482066_00319_31435_9941.N1	05-MAR-2008 03:19:05	Dark	47.500	10	Bet Cen	0.61000	28000.	95	31435	No
34	GOM_NL__2PRFIN20080305_032128_00000512066_00319_31435_9942.N1	05-MAR-2008 03:21:28	Dark	50.500	12	Alp1Cru	0.77500	30000.	101	31435	No
35	GOM_NL__2PRFIN20080305_032240_00000382066_00319_31435_9943.N1	05-MAR-2008 03:22:40	Dark	38.000	129	Del Cru	2.7930	26000.	76	31435	No
36	GOM_NL__2PRFIN20080305_032406_00000432066_00319_31435_9944.N1	05-MAR-2008 03:24:06	Dark	43.000	64	Gam Cen	2.2000	10600.	86	31435	No
37	GOM_NL__2PRFIN20080305_032654_00000412066_00319_31435_9945.N1	05-MAR-2008 03:26:54	Straylight	41.000	113	Mu Vel	2.6920	5000.0	82	31435	No
38	GOM_NL__2PRFIN20080305_033917_00000462066_00319_31435_9946.N1	05-MAR-2008 03:39:17	Twilight_and_stray	46.000	48	30Alp Hya	1.9770	4100.0	92	31435	No
39	GOM_NL__2PRFIN20080305_034511_00000412066_00319_31435_9947.N1	05-MAR-2008 03:45:11	Bright	40.500	22	32Alp Leo	1.3600	15200.	81	31435	No
40	GOM_NL__2PRFIN20080305_034741_00000412066_00319_31435_9948.N1	05-MAR-2008 03:47:41	Bright	41.000	51	41Gam1Leo	2.0100	4500.0	82	31435	No
41	GOM_NL__2PRFIN20080305_035910_00000402066_00319_31435_9949.N1	05-MAR-2008 03:59:10	Bright	39.500	82	48Bet UMa	2.3650	10600.	79	31435	No
42	GOM_NL__2PRFIN20080305_040034_00000412066_00319_31435_9950.N1	05-MAR-2008 04:00:34	Bright	41.000	36	50Alp UMa	1.8000	6300.0	82	31435	No

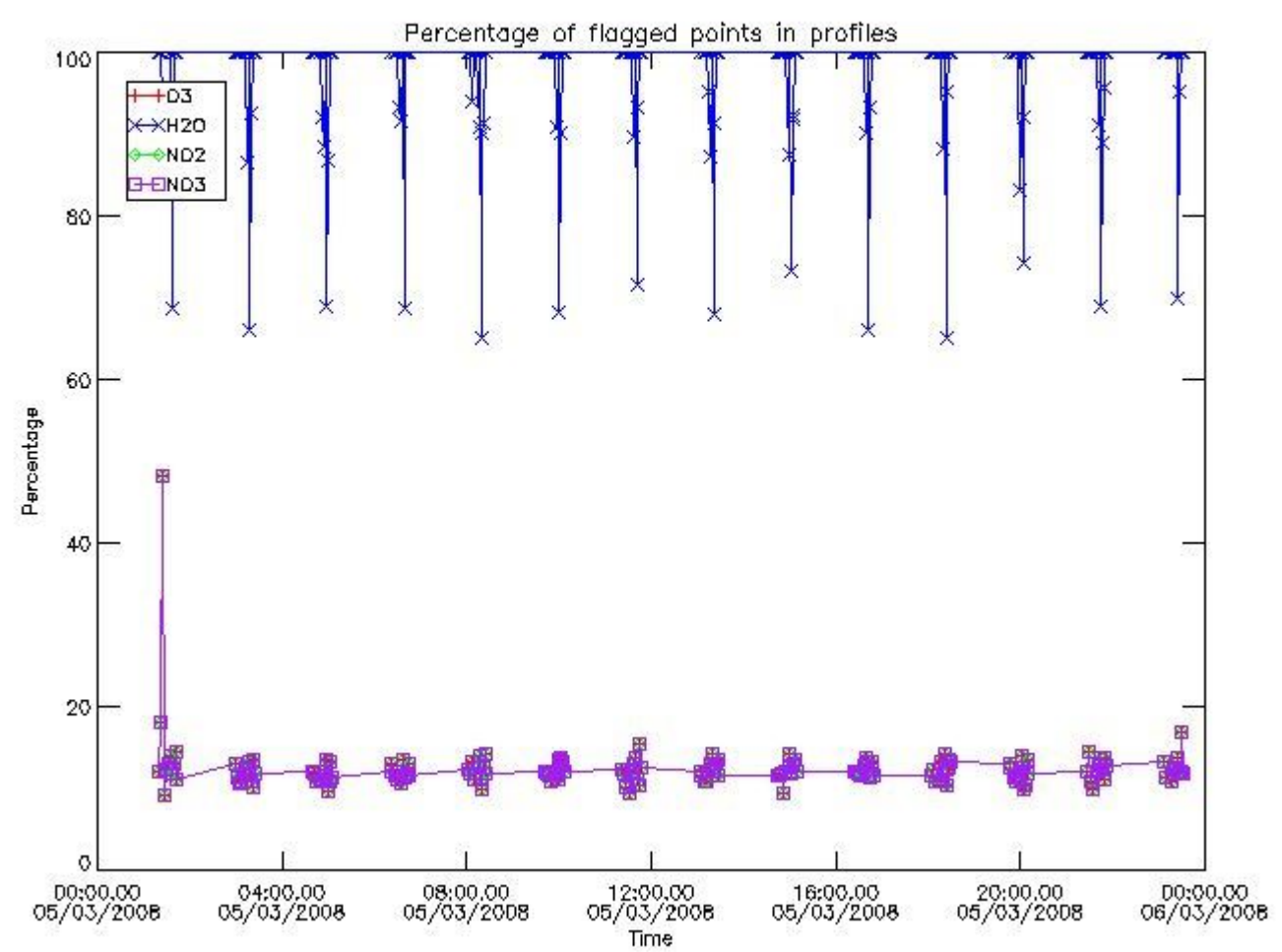








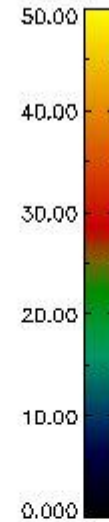
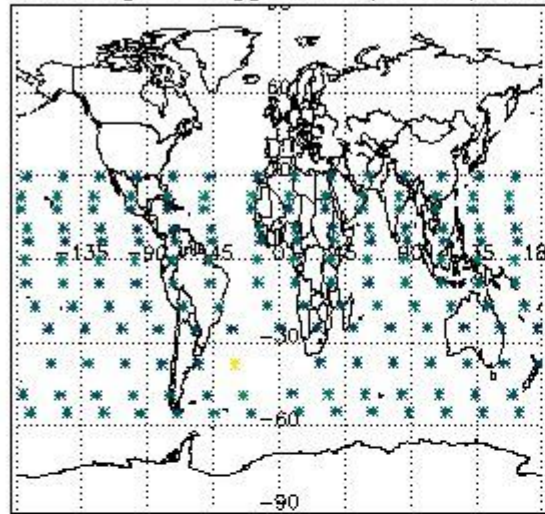




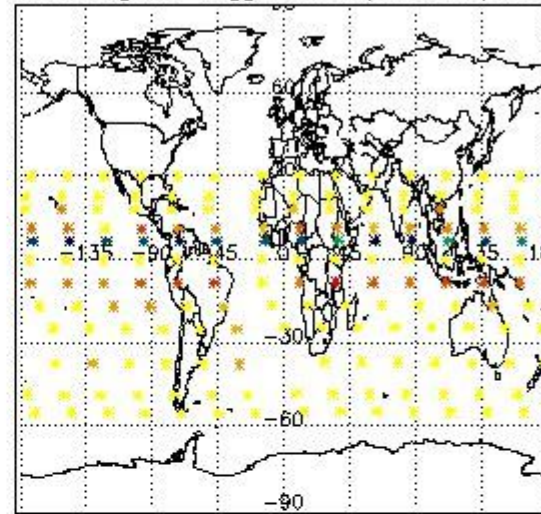
3.2 Plot quality information per product (world map)



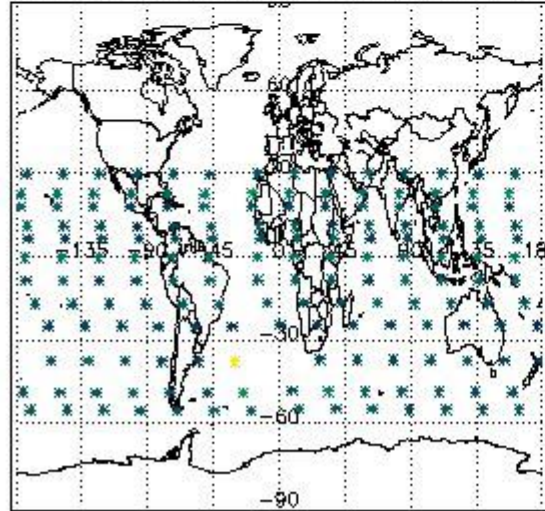
Percentage of flagged data per O3 profile



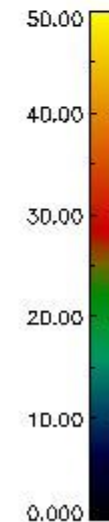
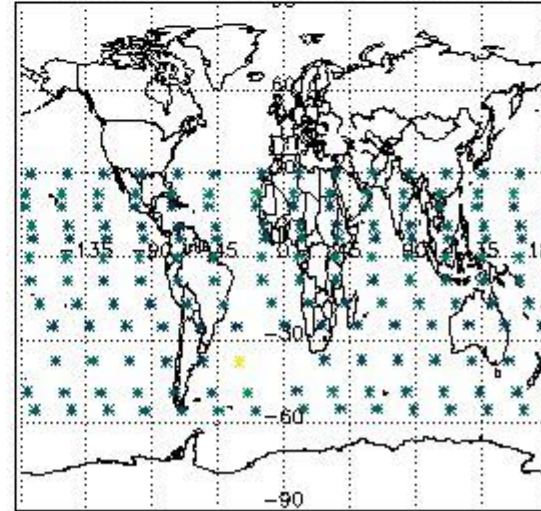
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

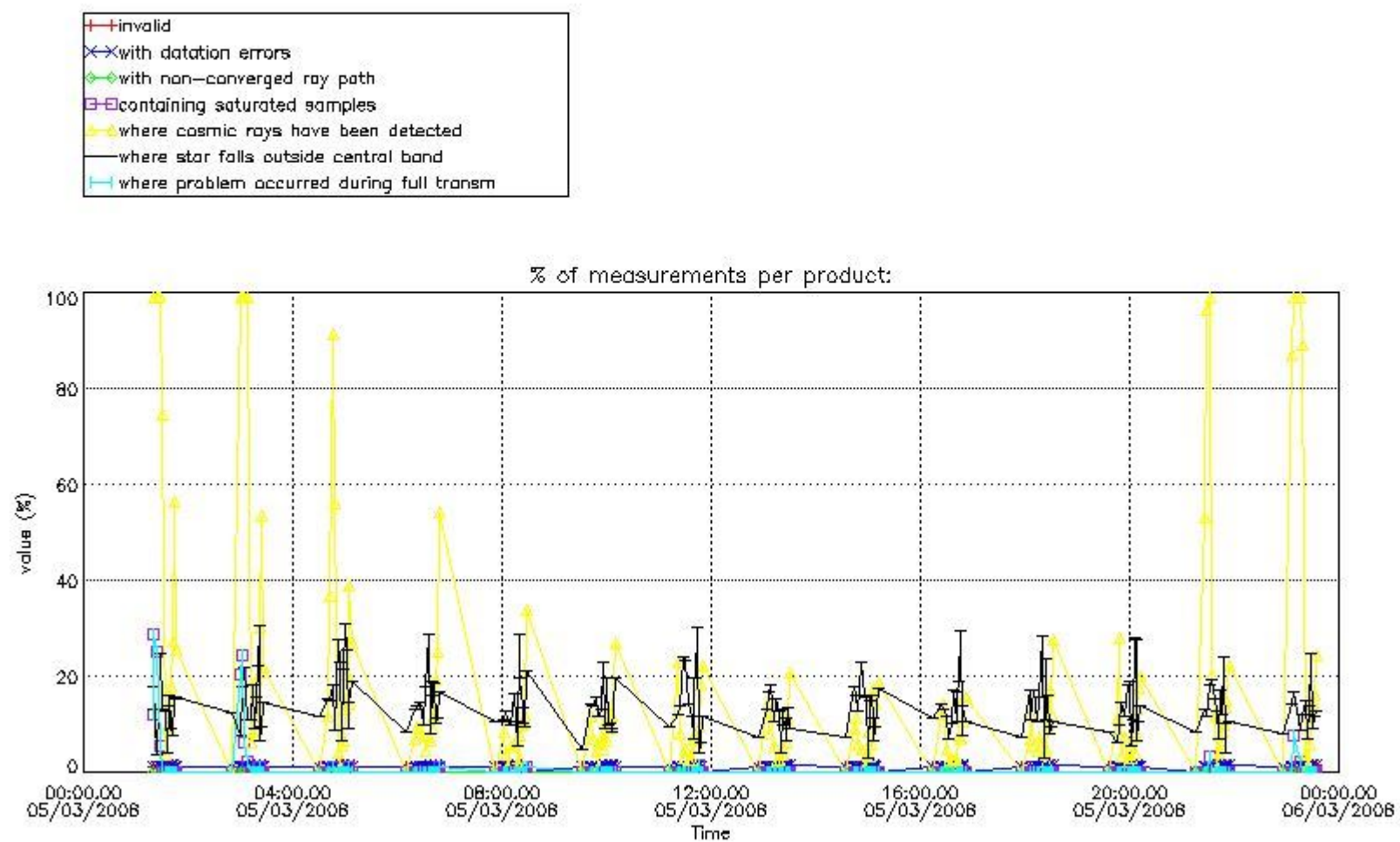


#### 4. Level 1 quality information per product

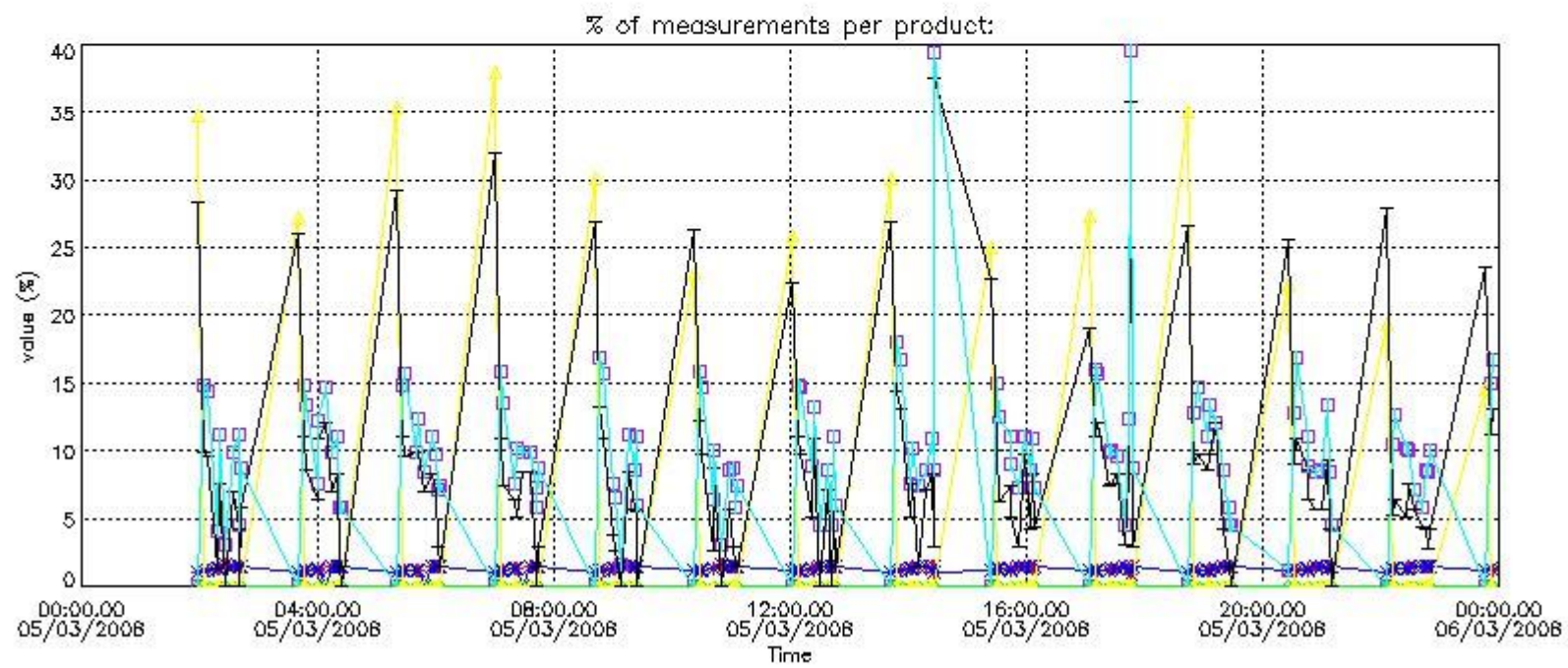
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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



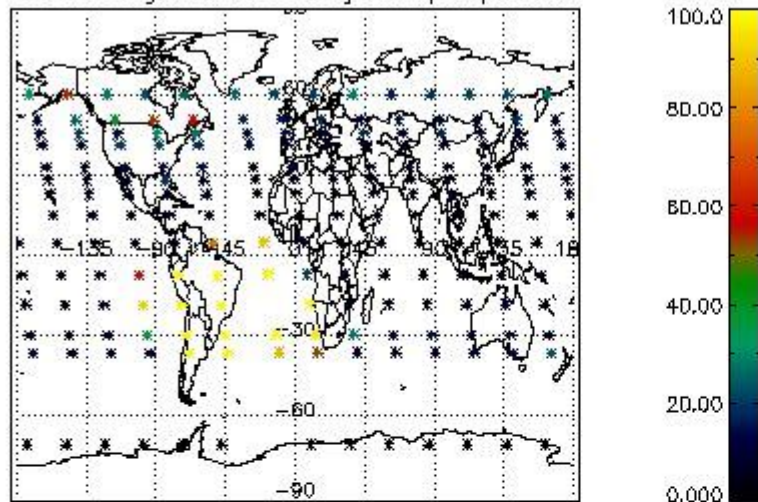
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



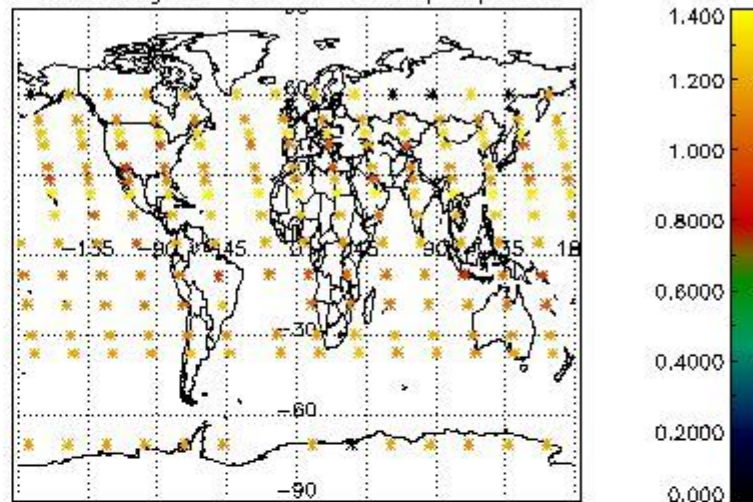
4.2 Plot quality information per product coming from level 1b processing (world map)

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

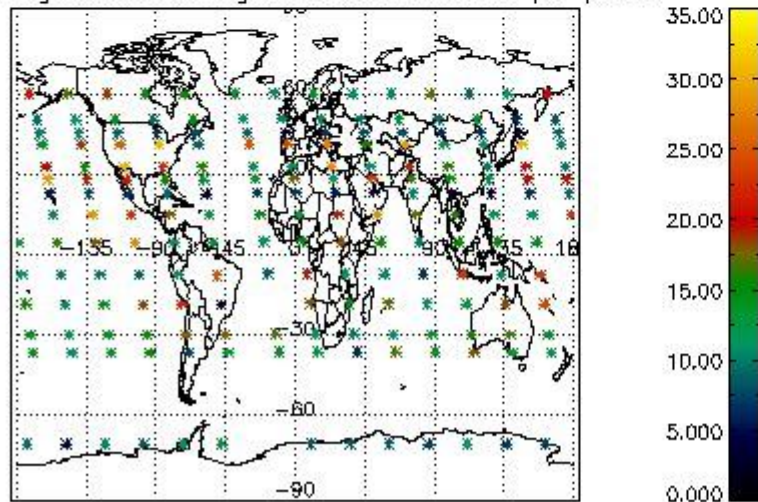
Percentage of cosmic ray hits per profile



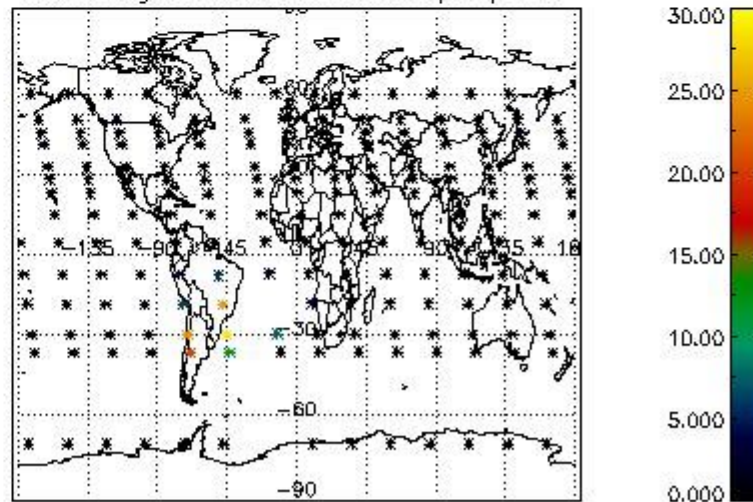
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

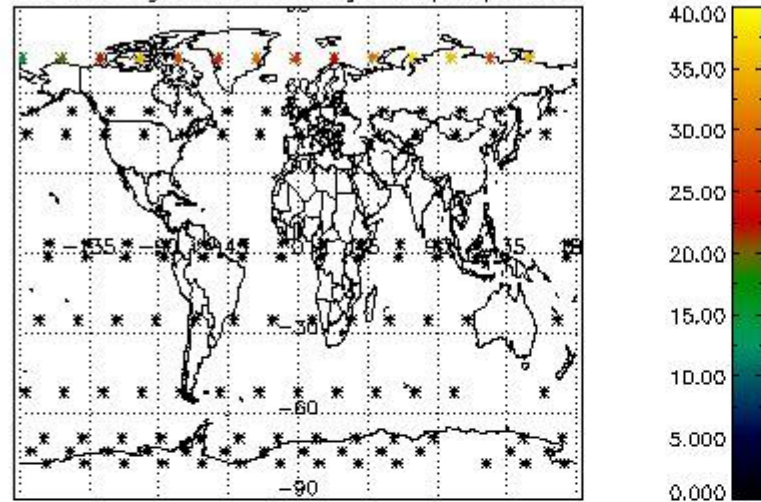


Percentage of saturation errors per profile

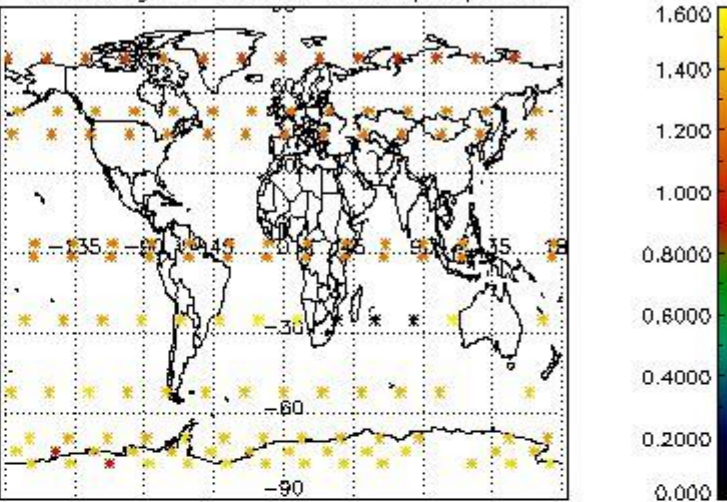


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

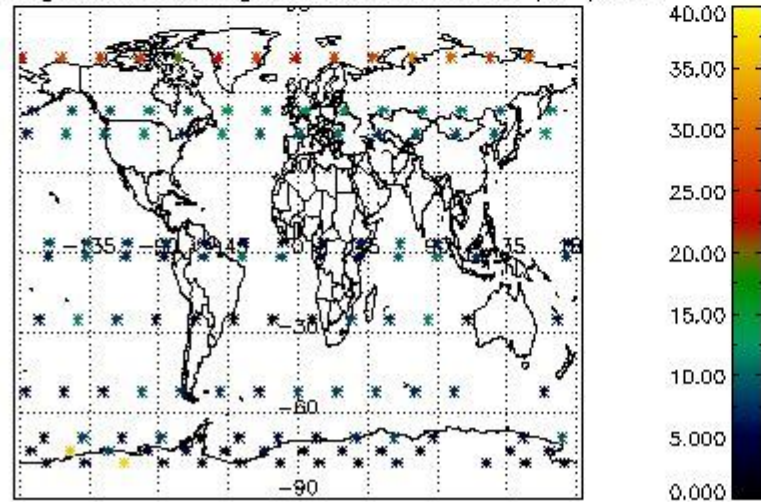
Percentage of cosmic ray hits per profile



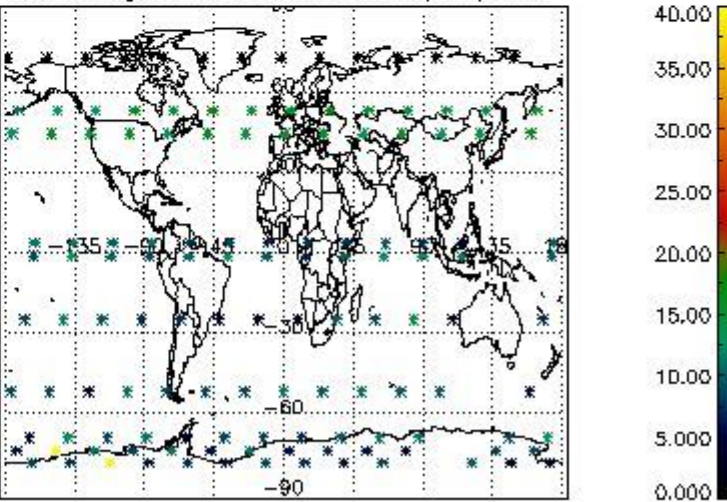
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

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

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

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

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

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

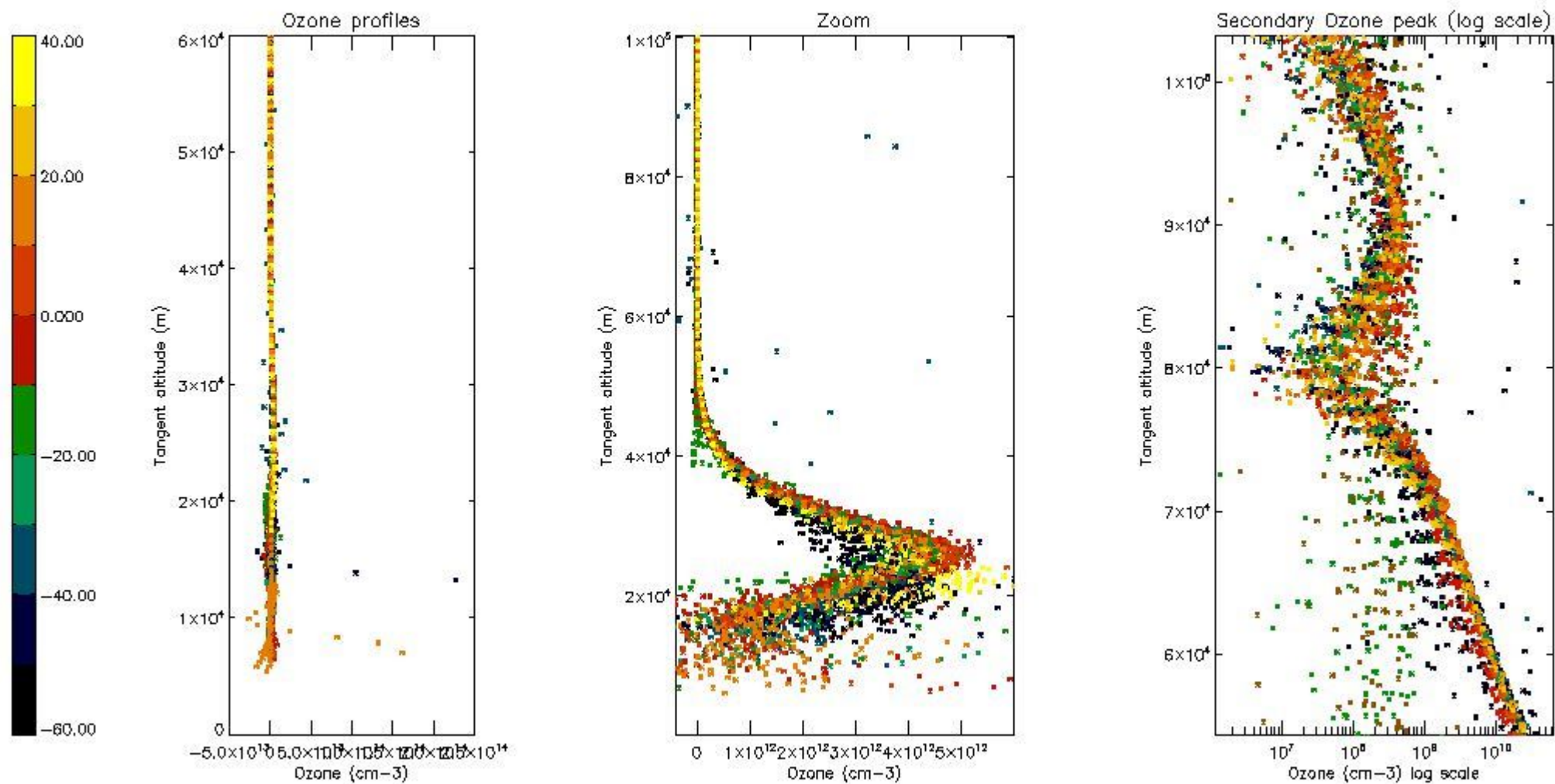
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	55
STD < 20	30

STD < 10	24
STD < 5	17

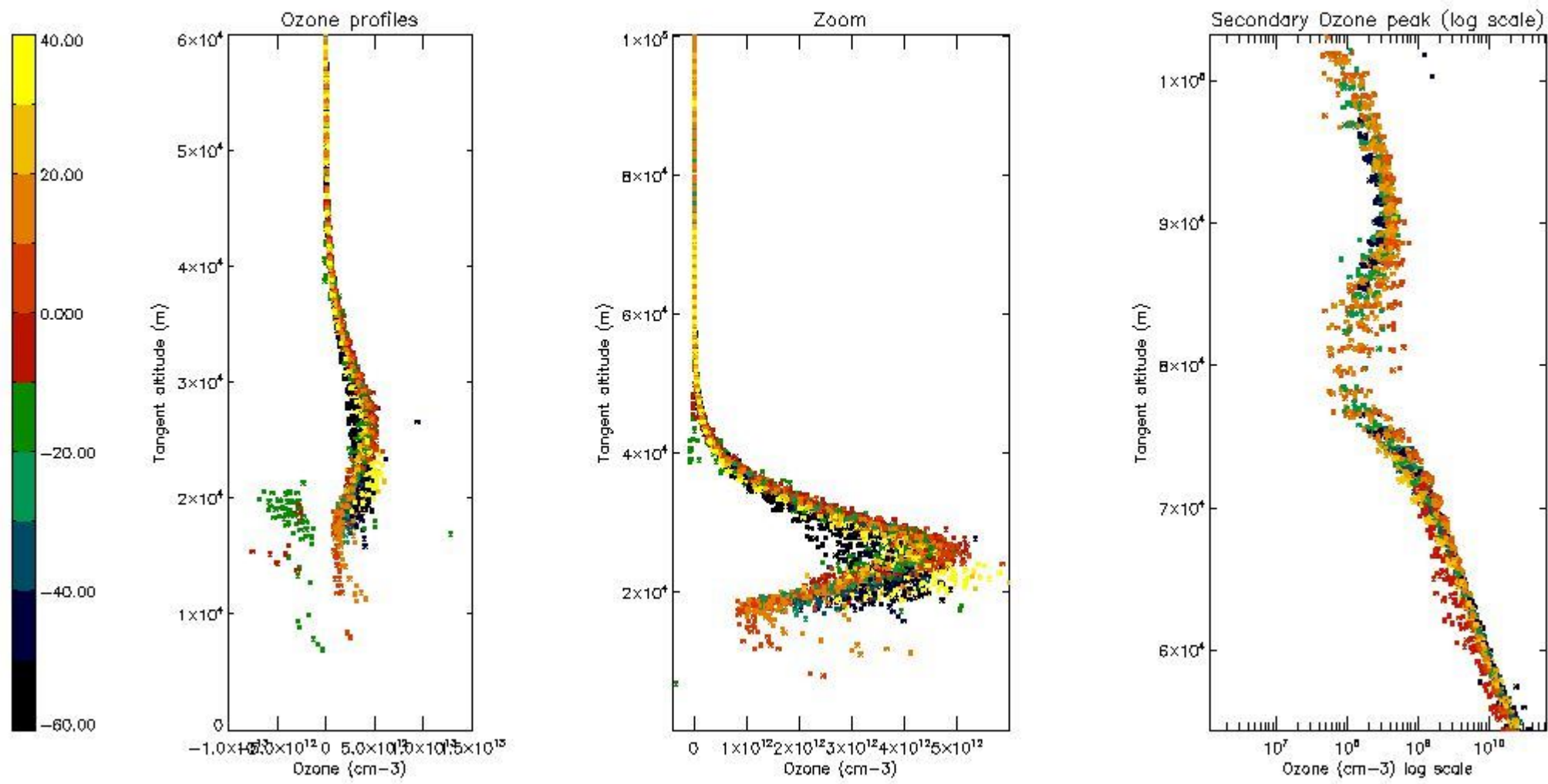
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



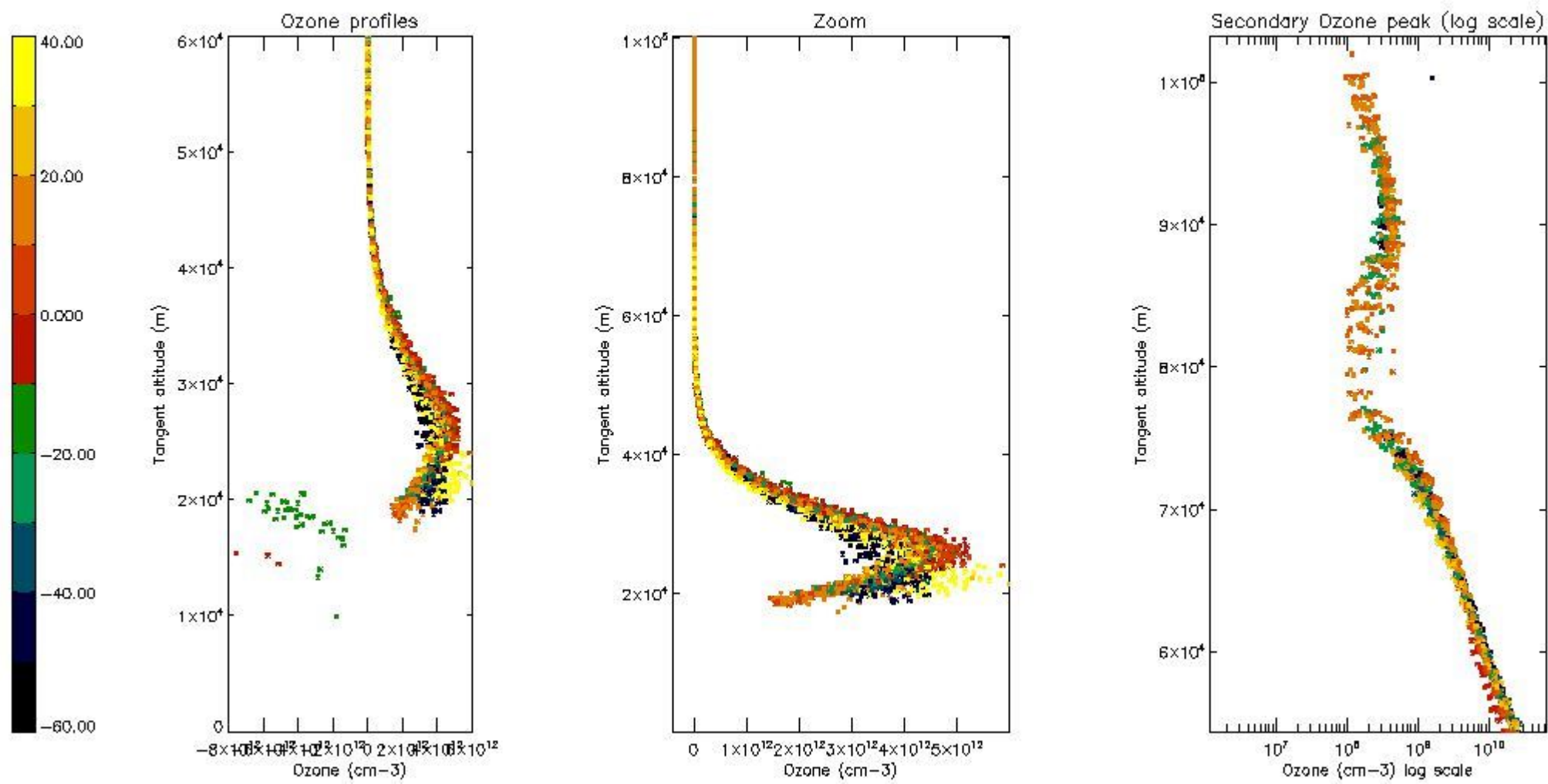
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



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

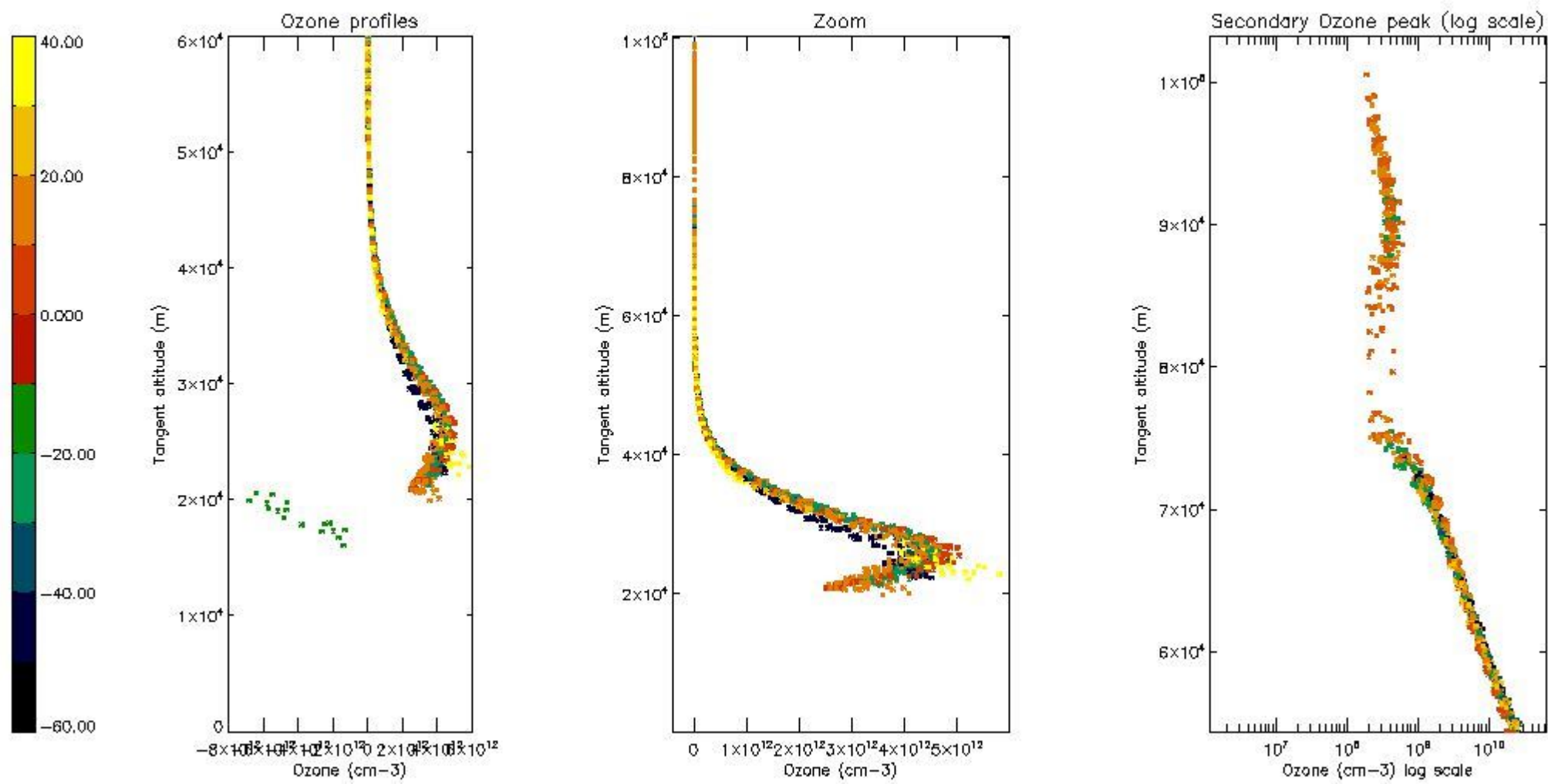
The colorbar represents the latitude.



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

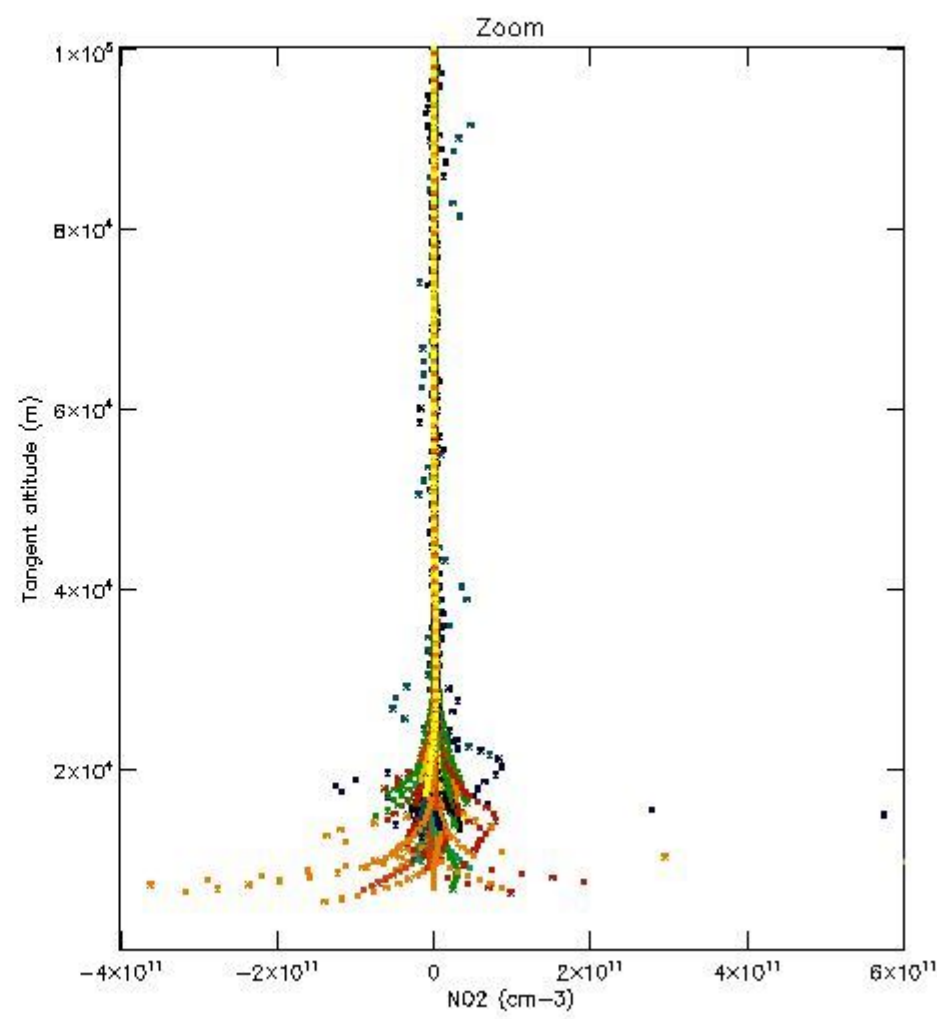
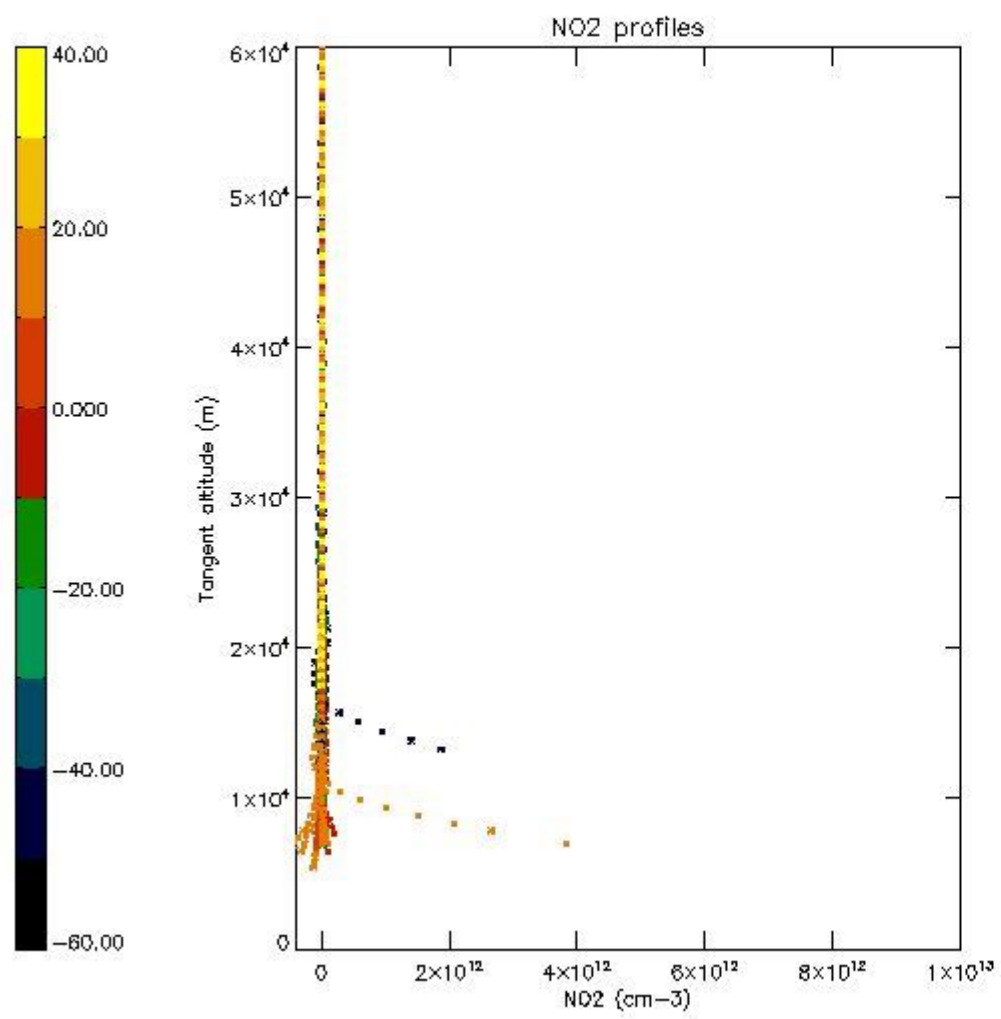
The colorbar represents the latitude.





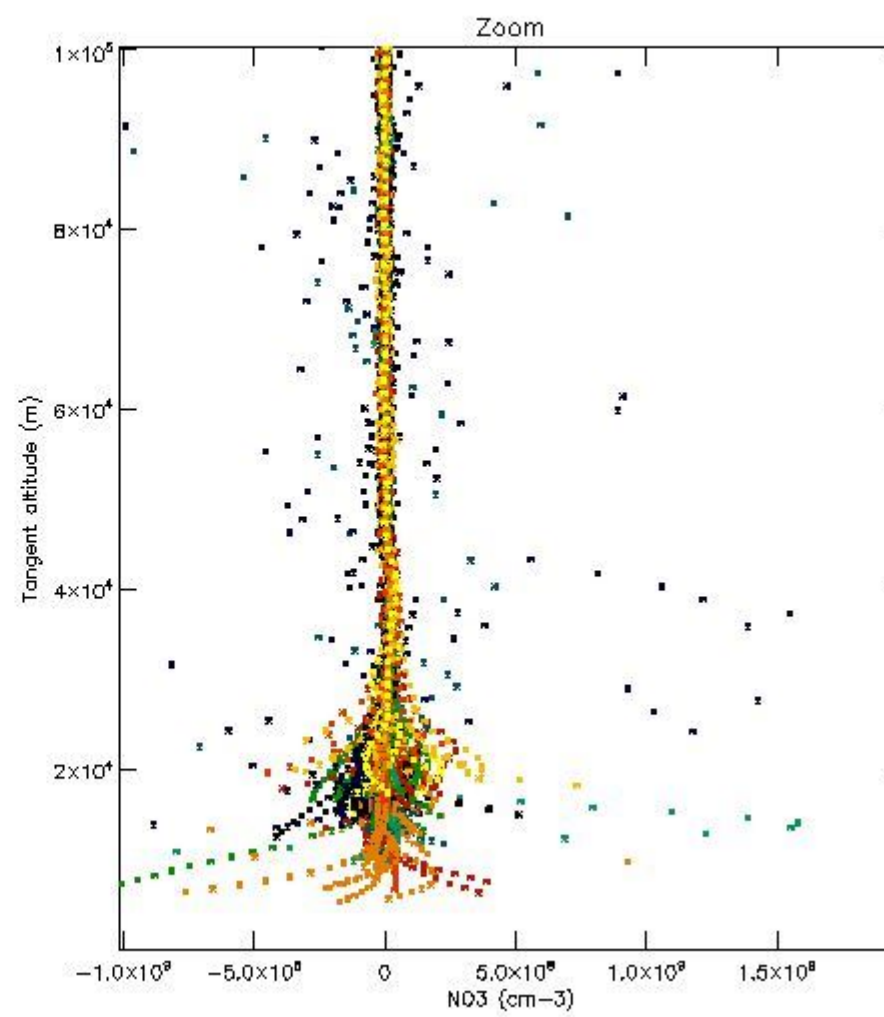
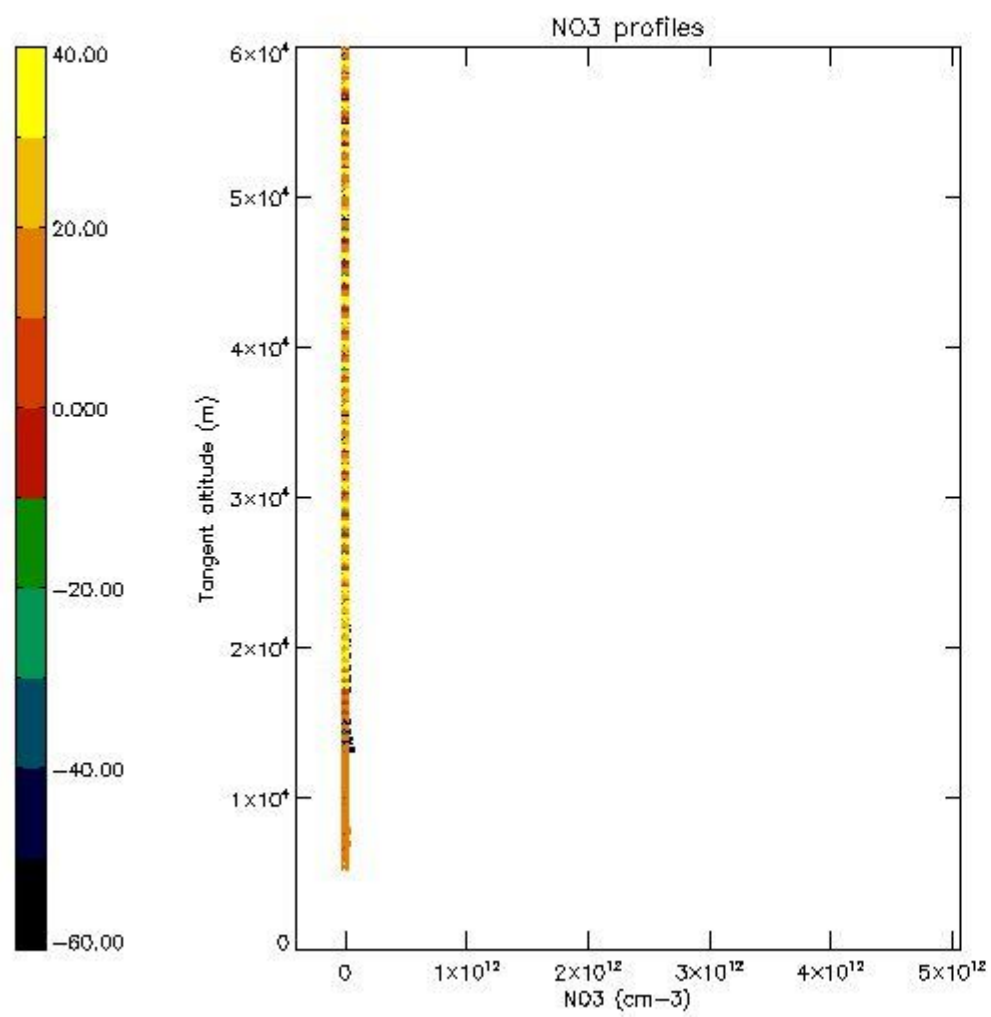
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



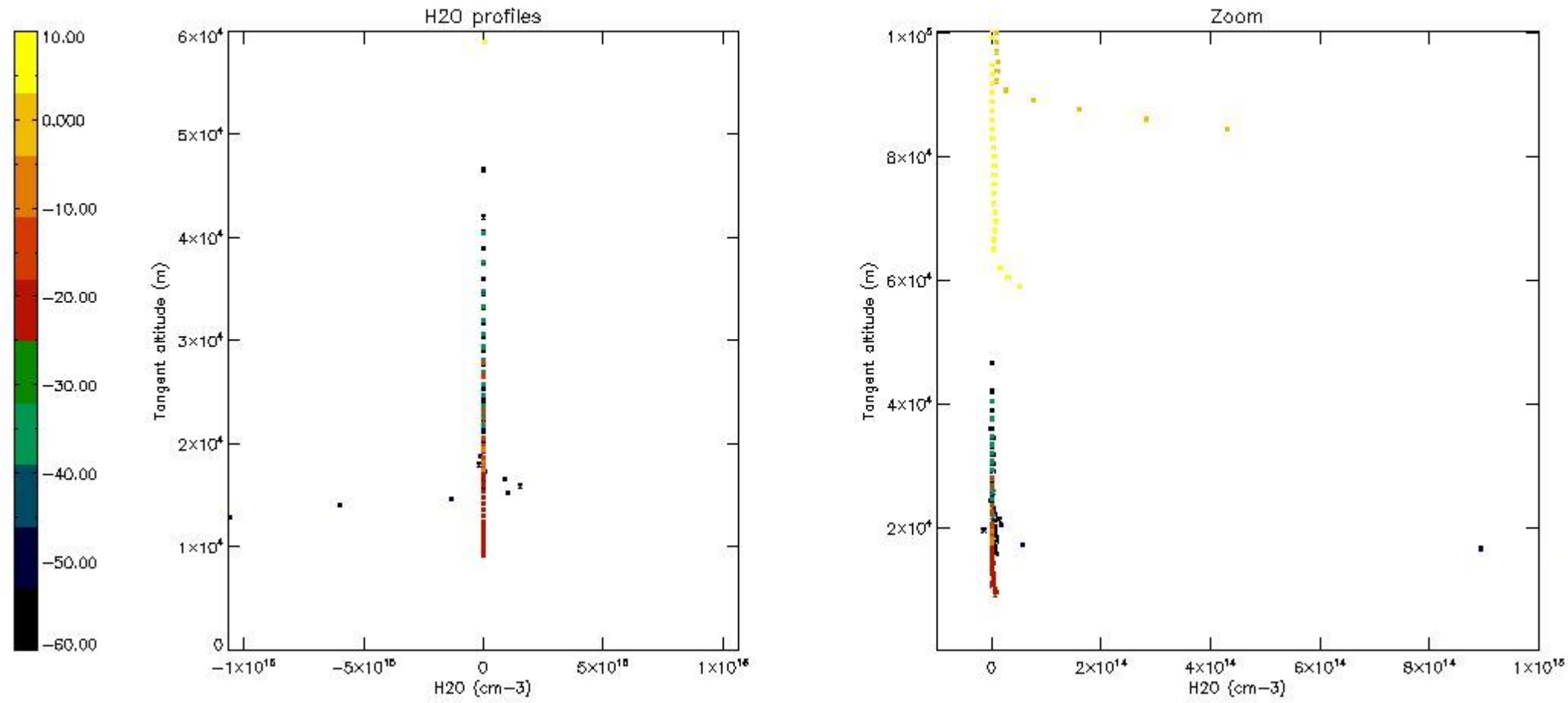
*5.7 Plot NO3 profiles for all STD (dark without errors)*

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	05-MAR-2008 01:19:00
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	05-MAR-2008 01:19:00
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	05-MAR-2008 01:19:00

# 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](#)





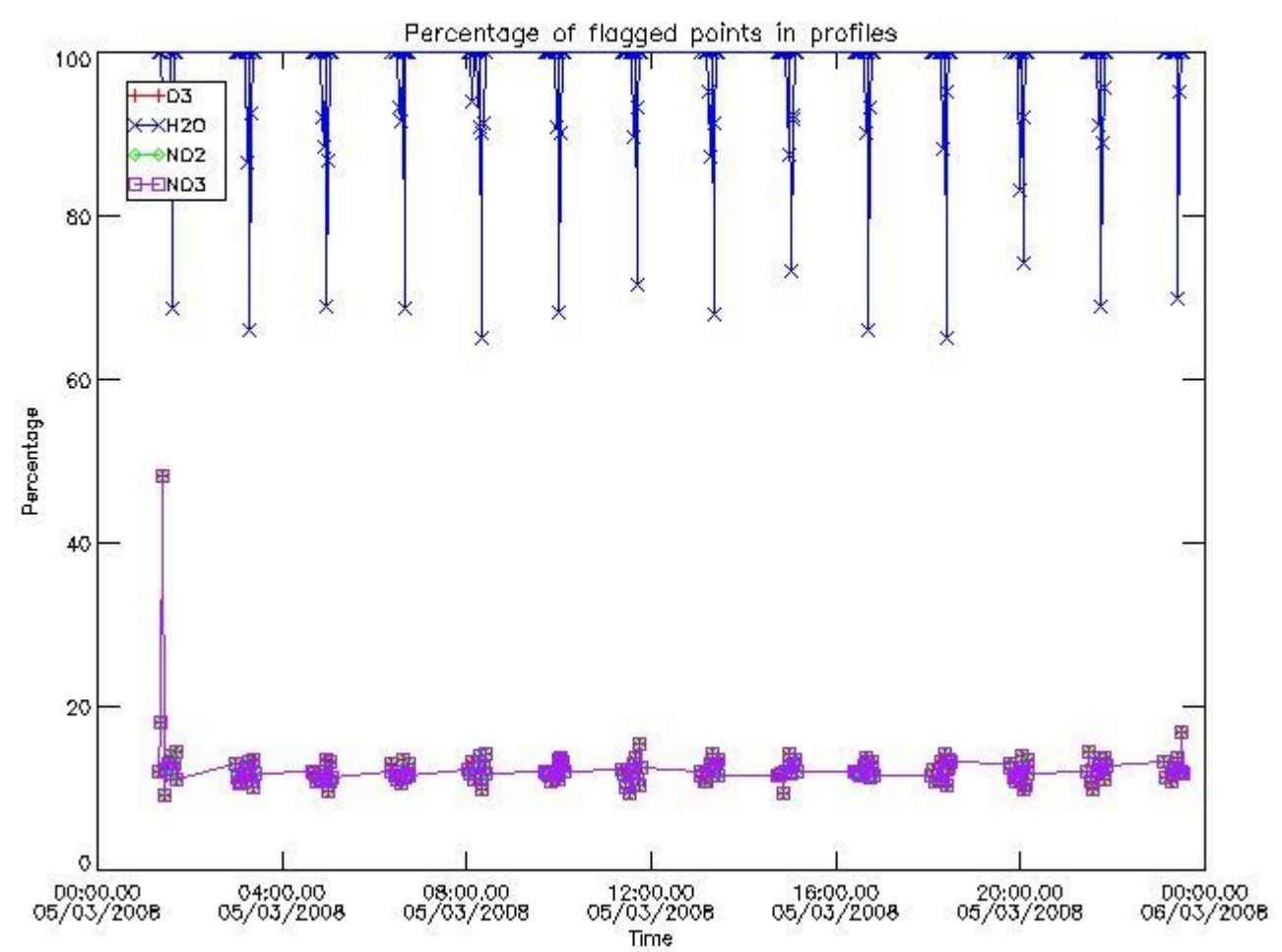






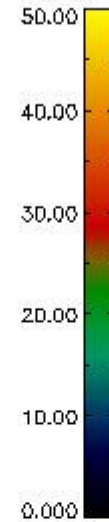
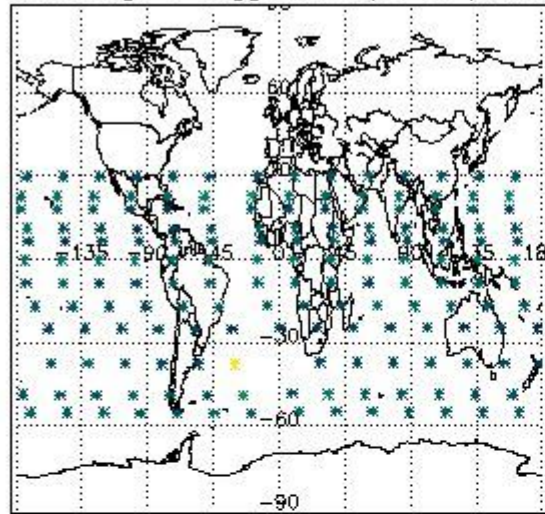




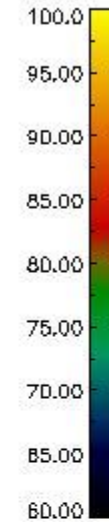
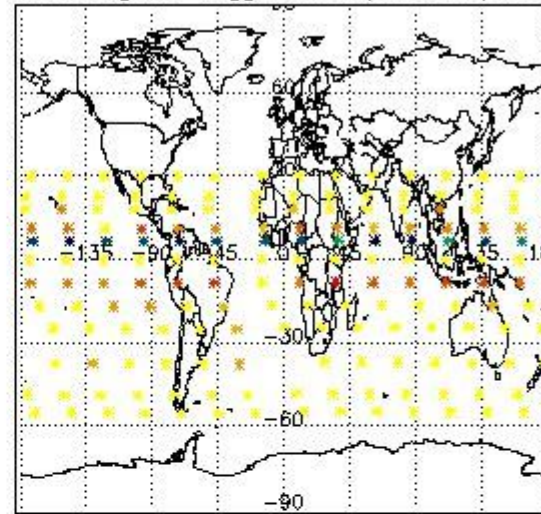


3.2 Plot quality information per product (world map)

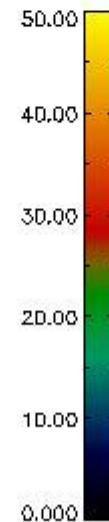
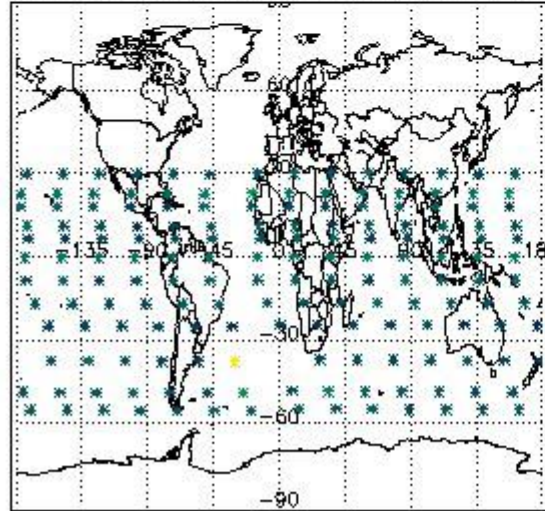
Percentage of flagged data per O3 profile



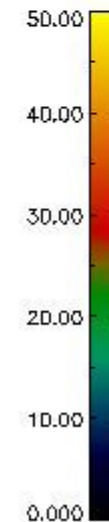
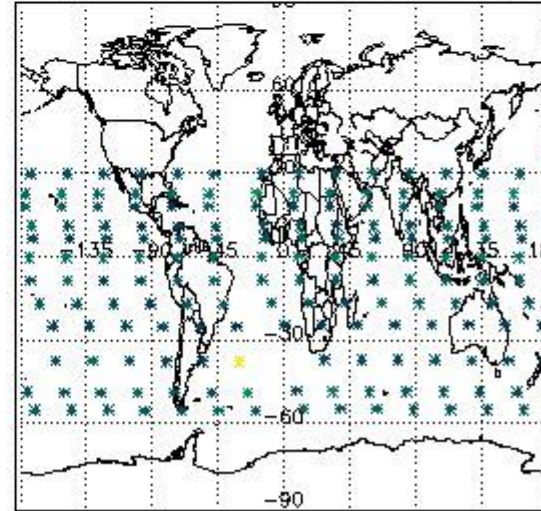
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

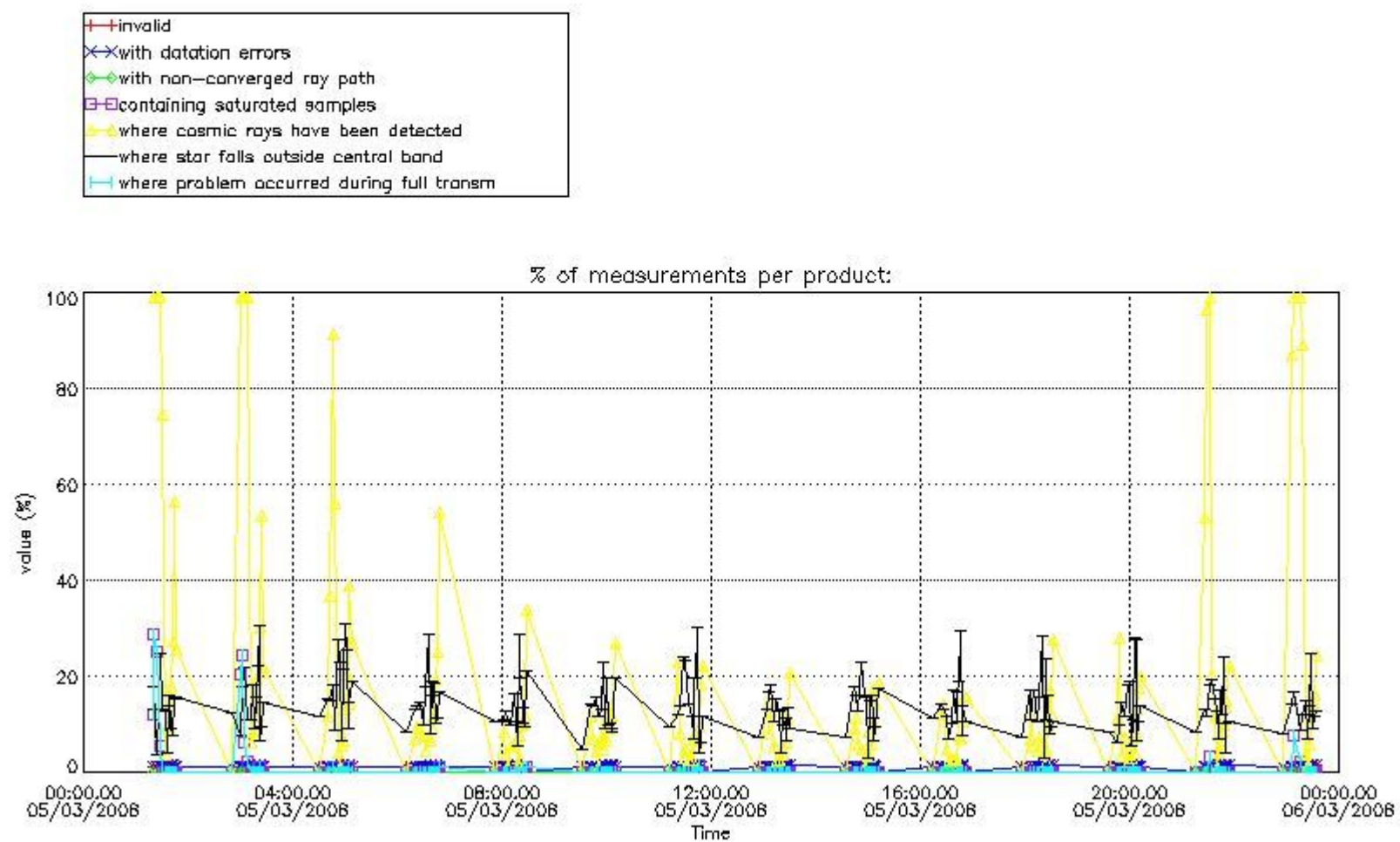


#### 4. Level 1 quality information per product

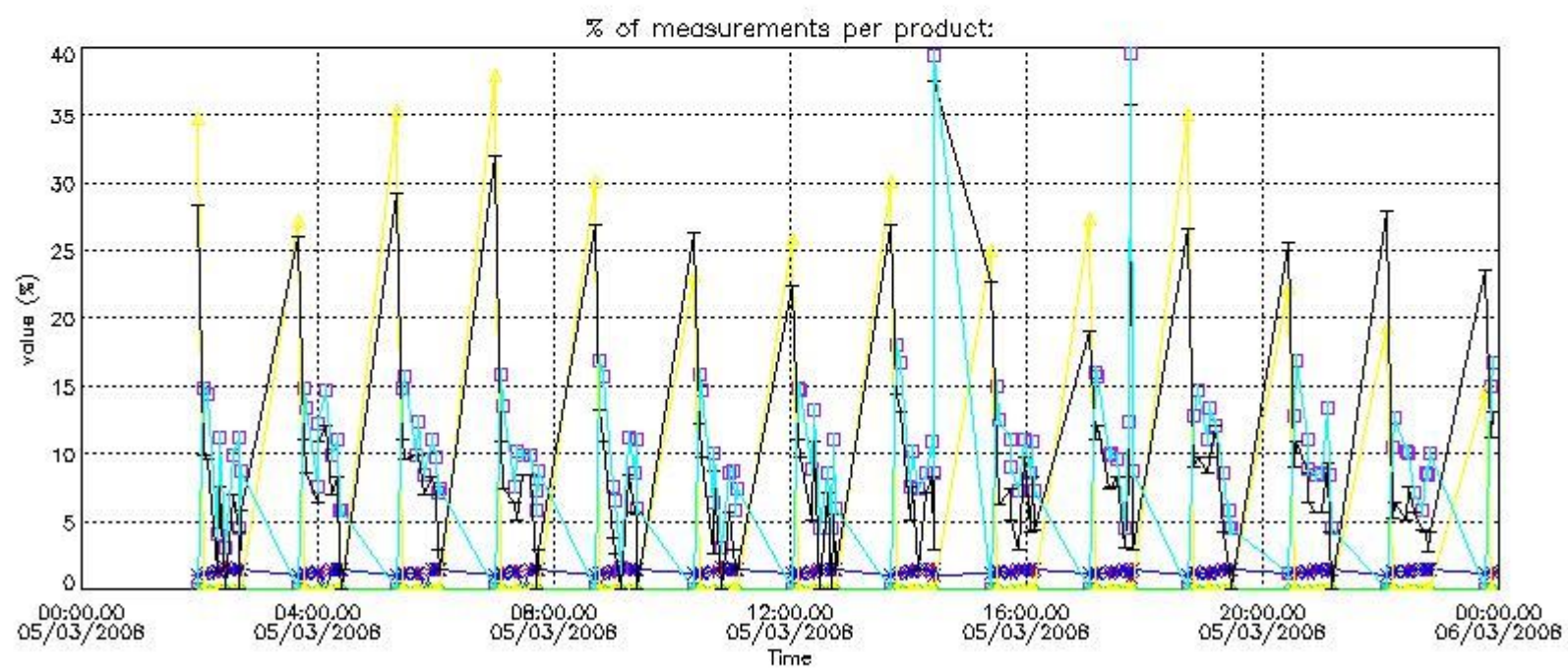
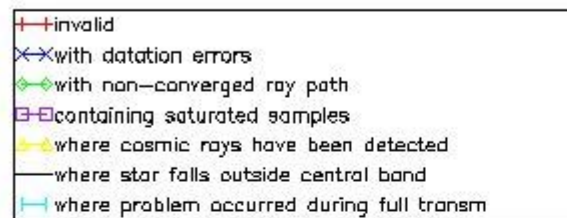
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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



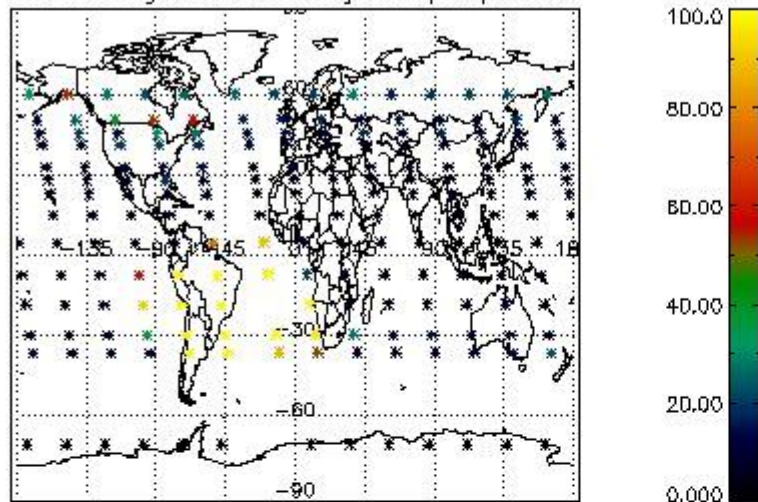
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



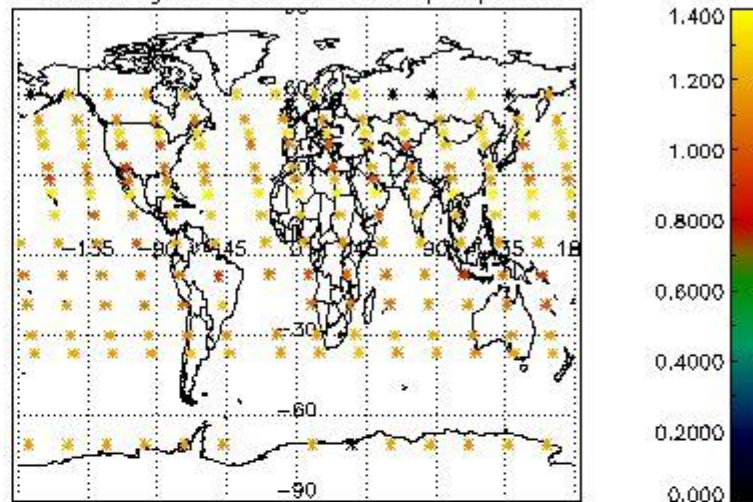
*4.2 Plot quality information per product coming from level 1b processing (world map)*

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

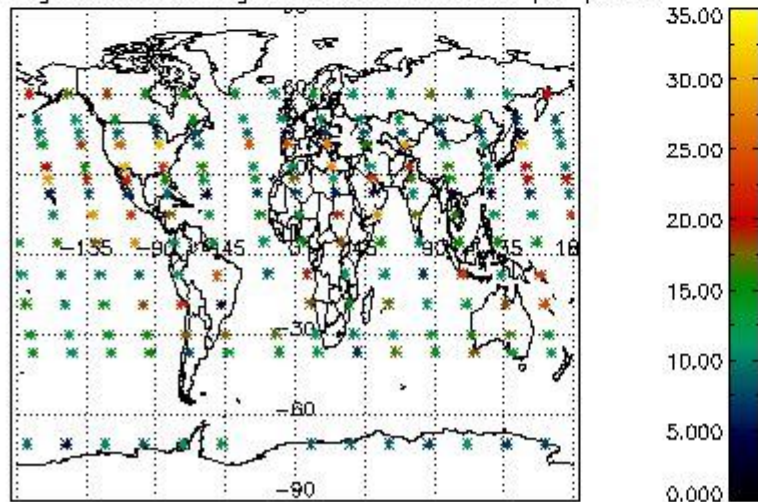
Percentage of cosmic ray hits per profile



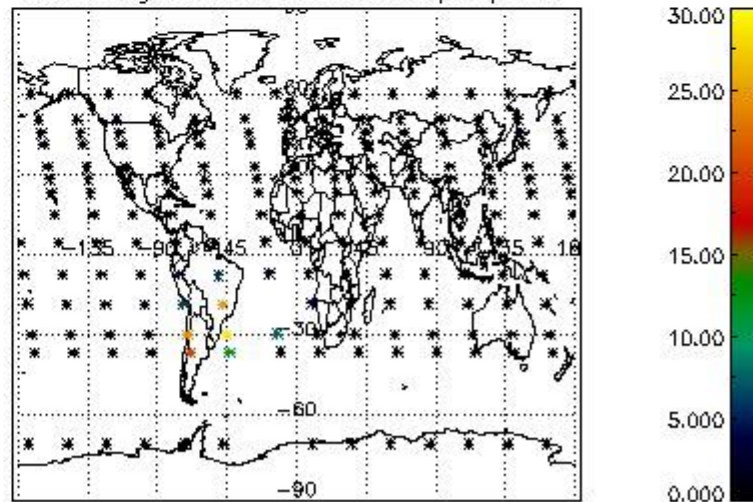
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



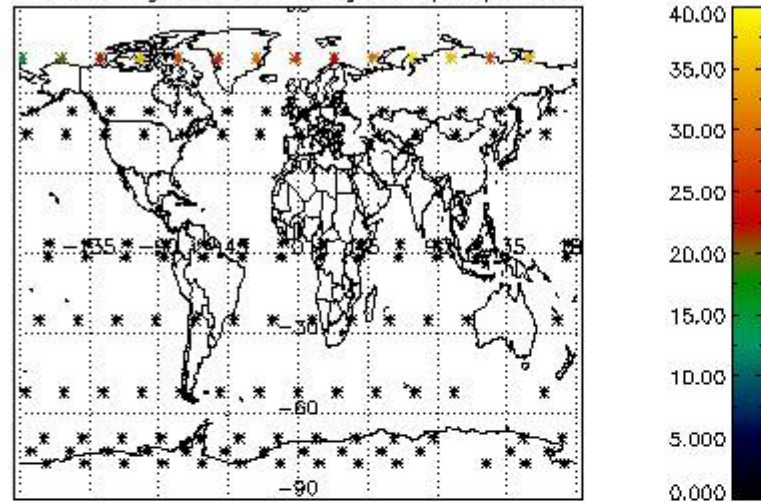
Percentage of saturation errors per profile



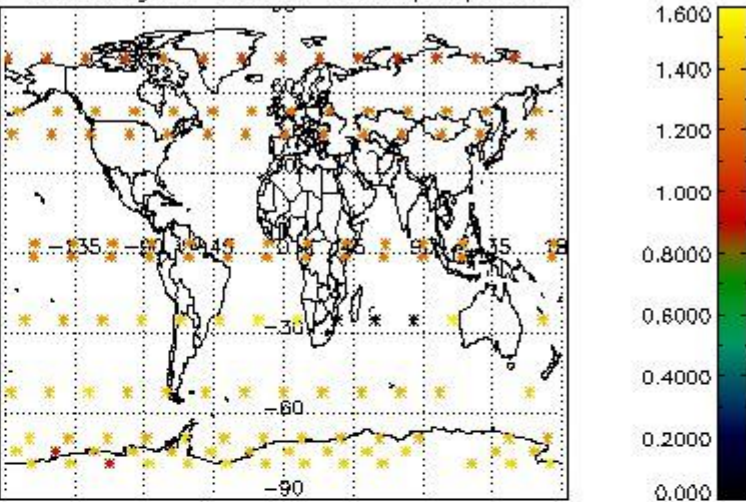
4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes



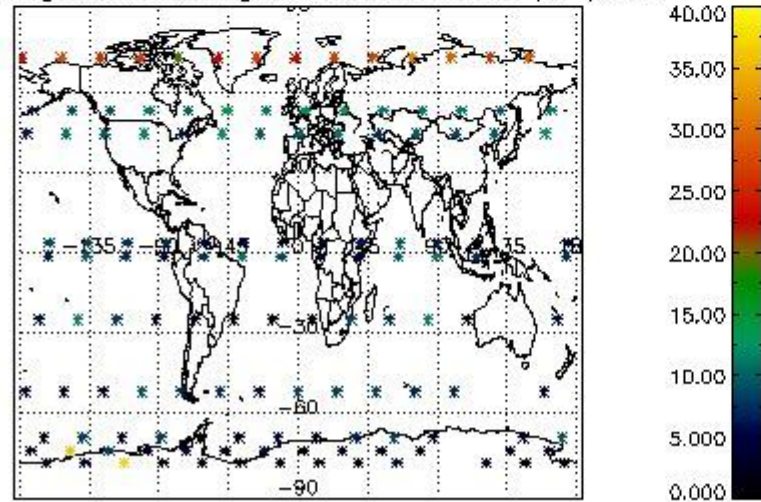
Percentage of cosmic ray hits per profile



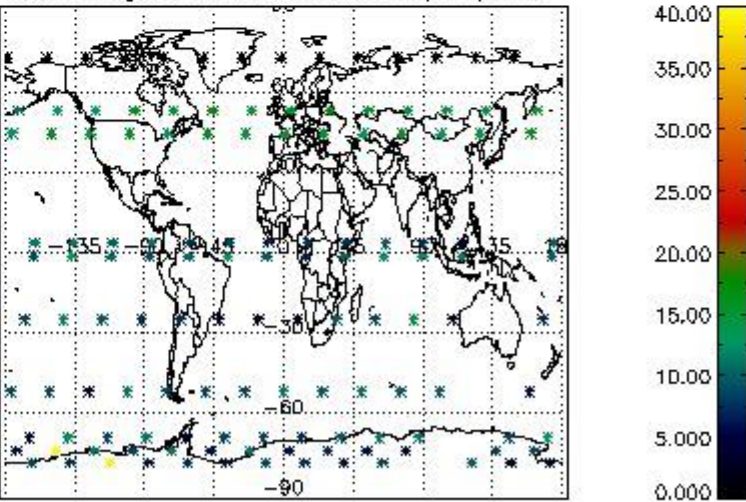
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

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

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

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

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

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

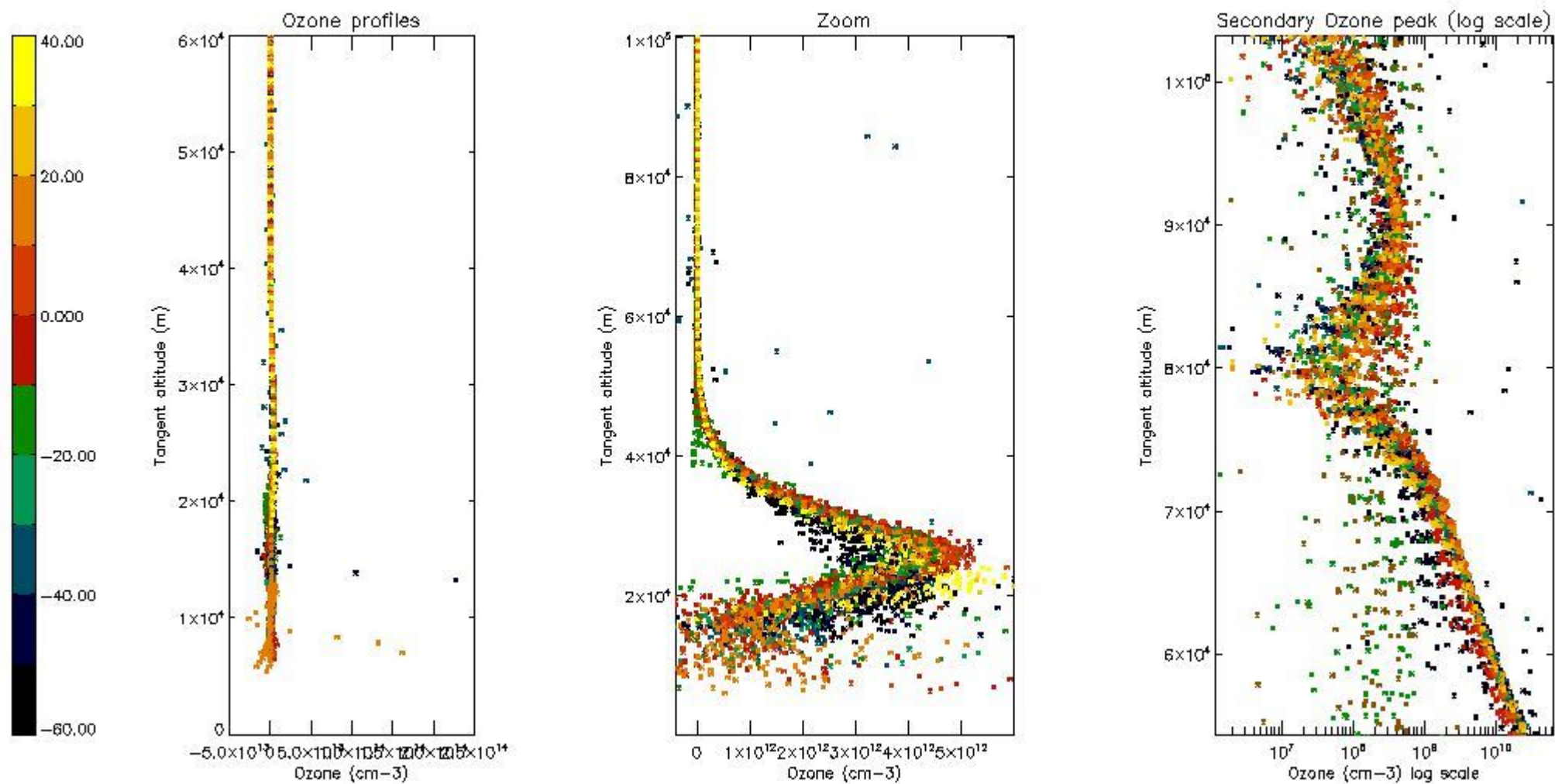
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	55
STD < 20	30

STD < 10	24
STD < 5	17

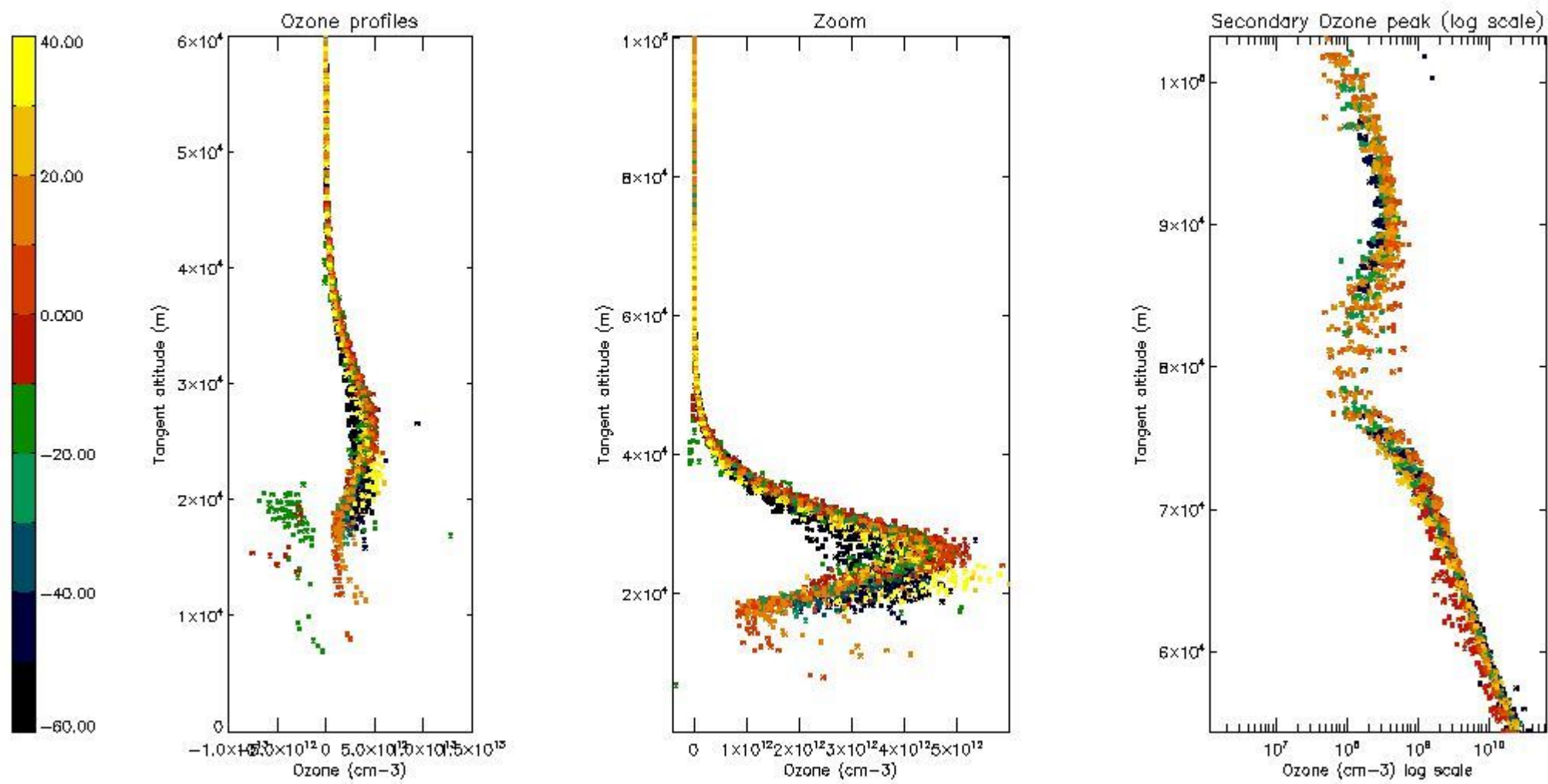
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



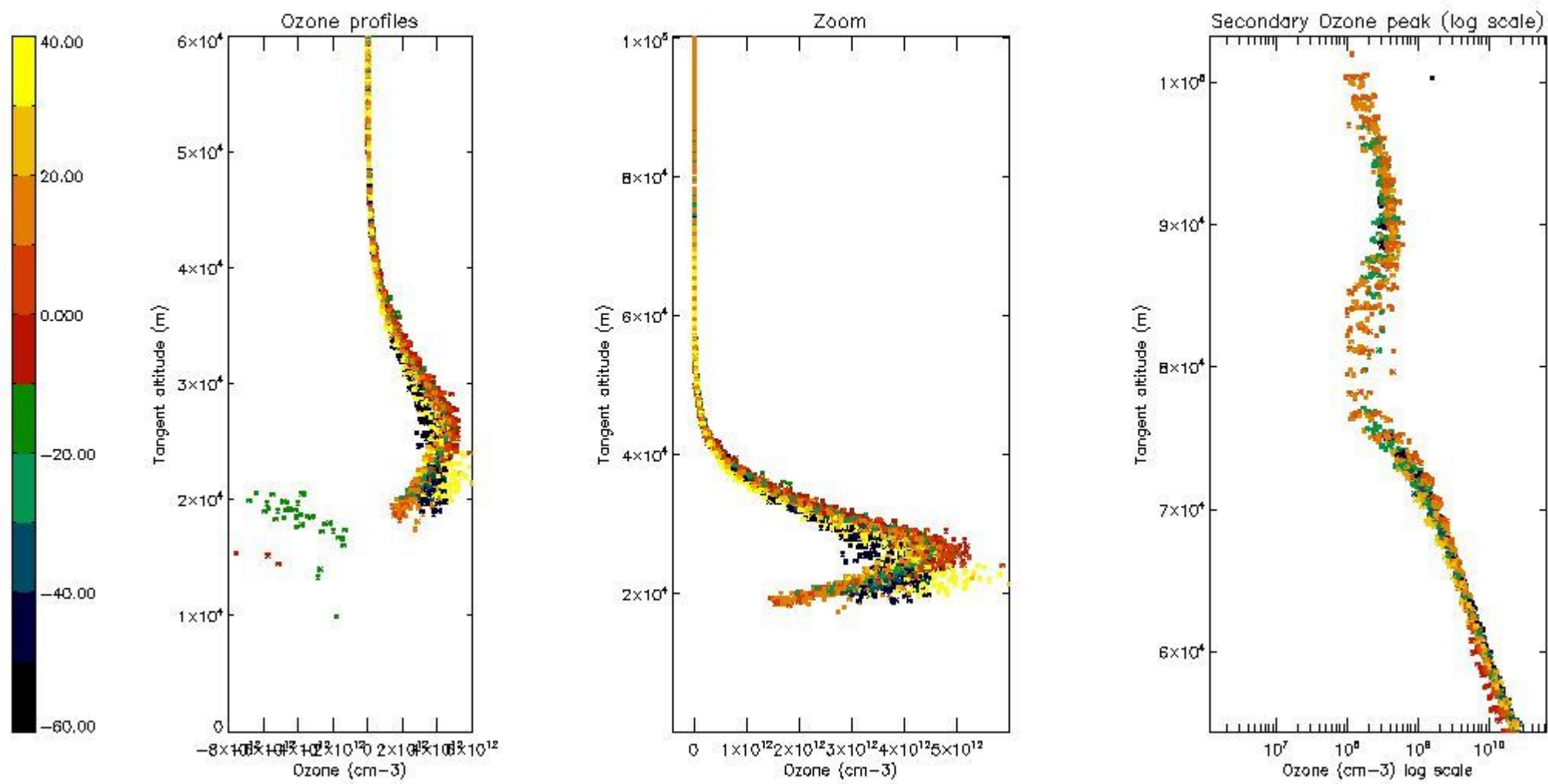
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



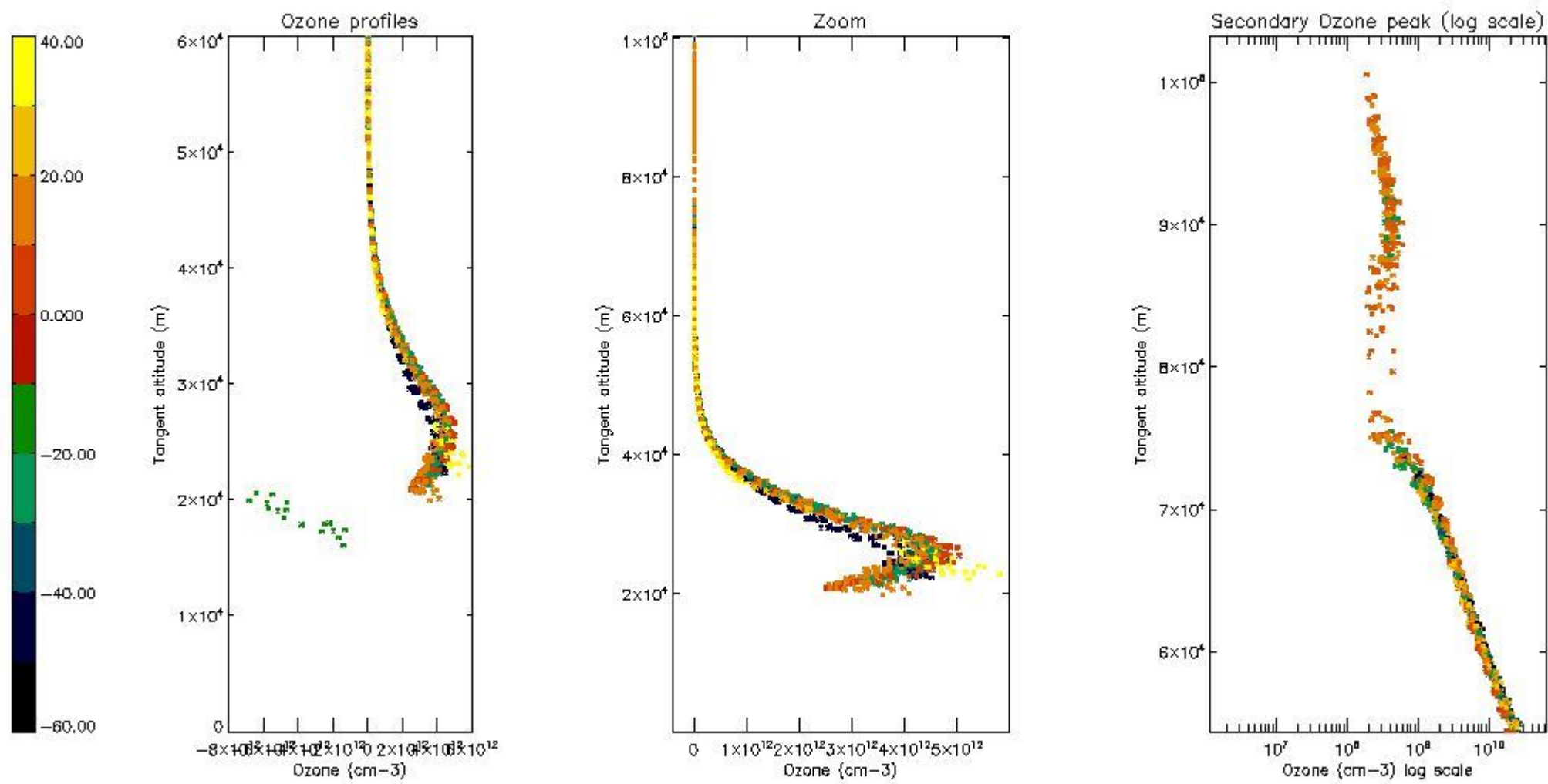
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



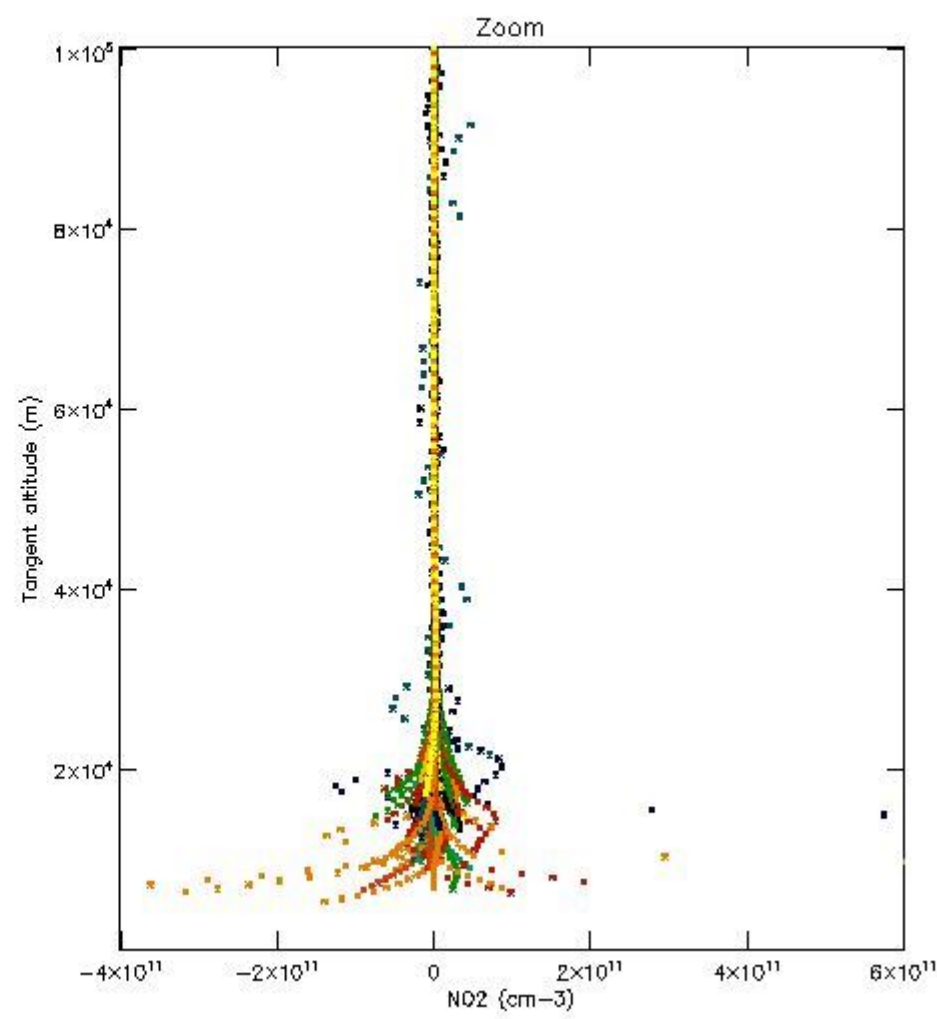
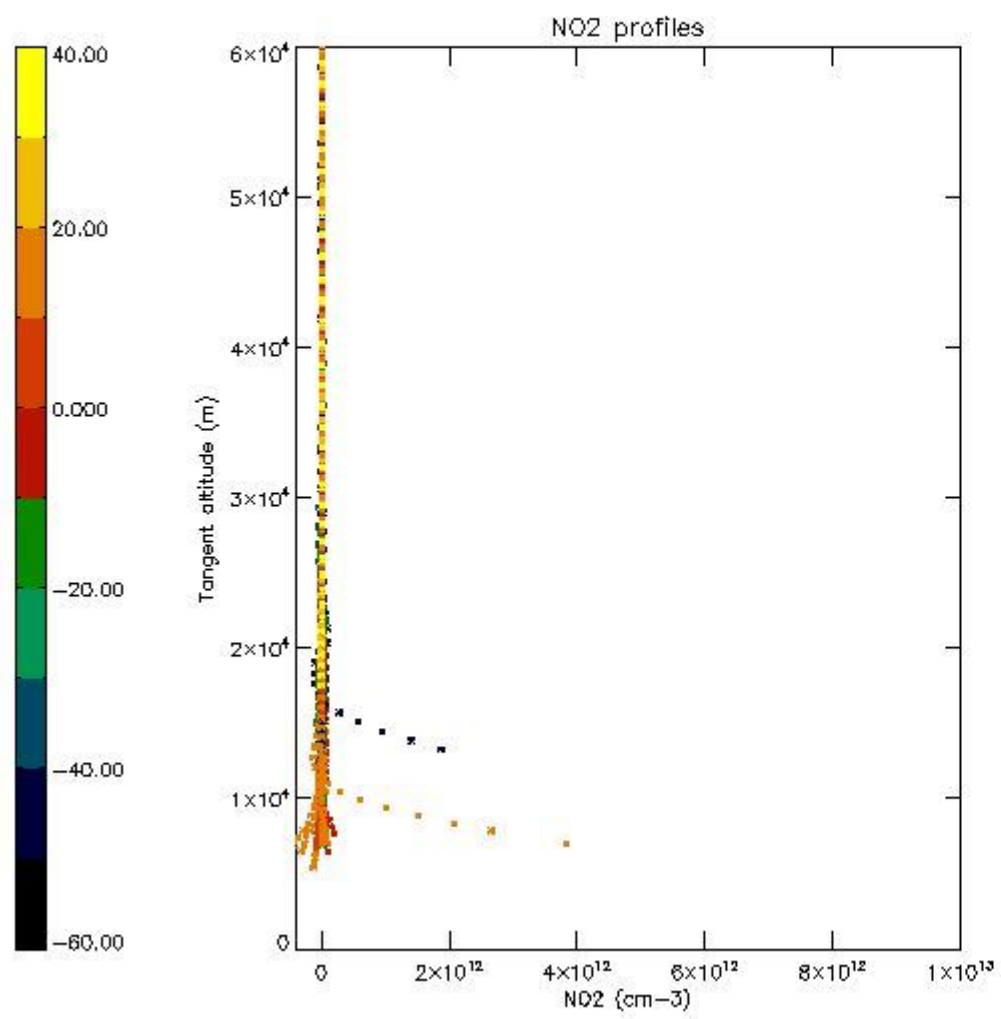
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



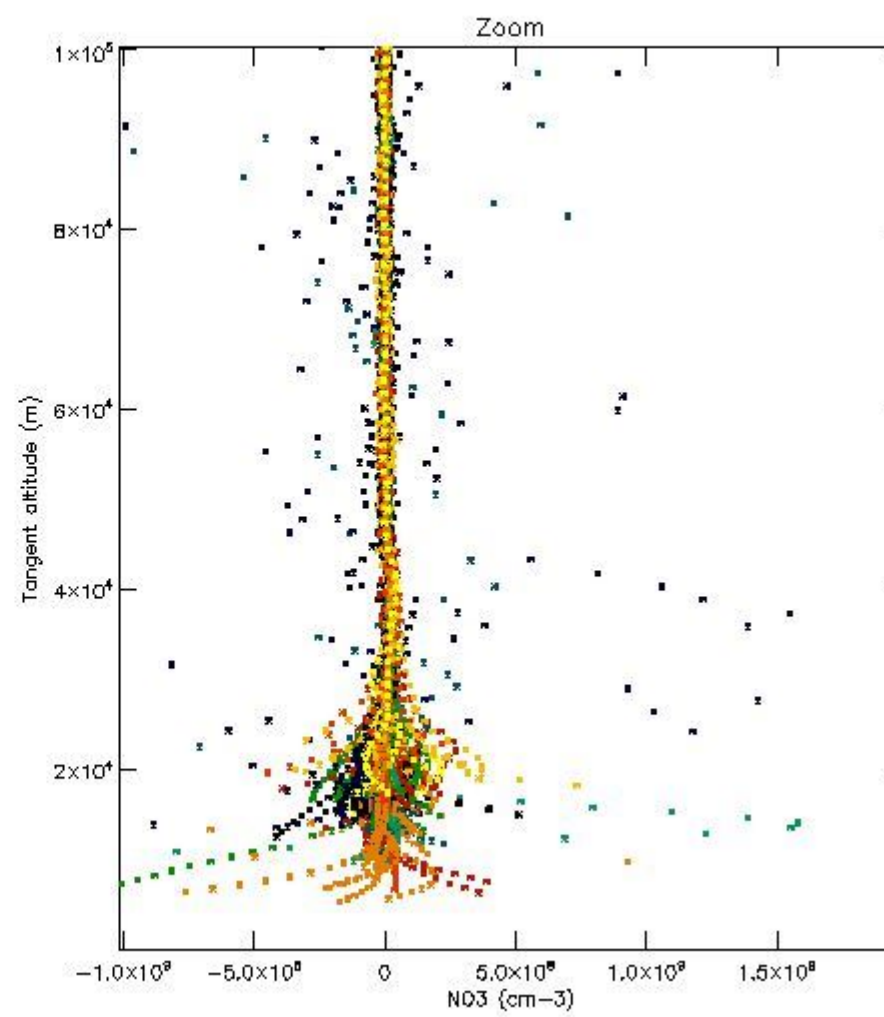
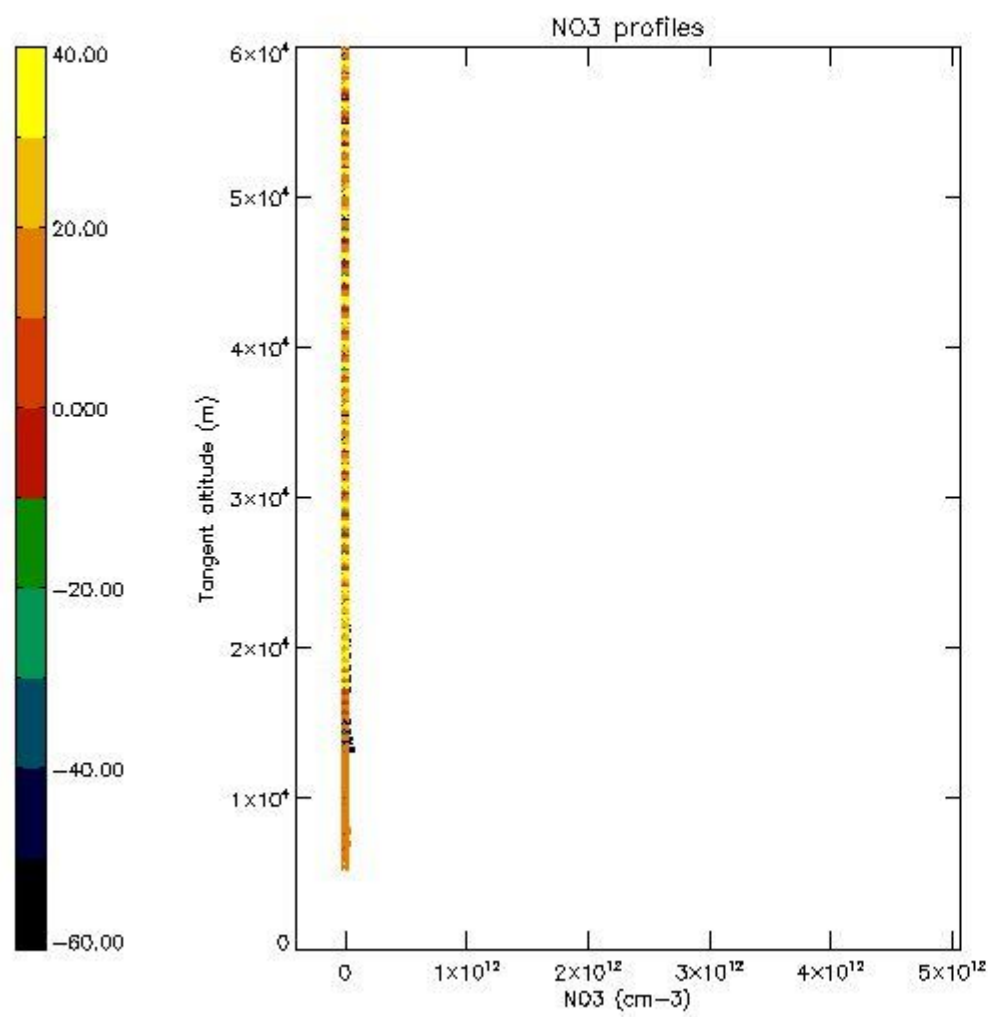
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



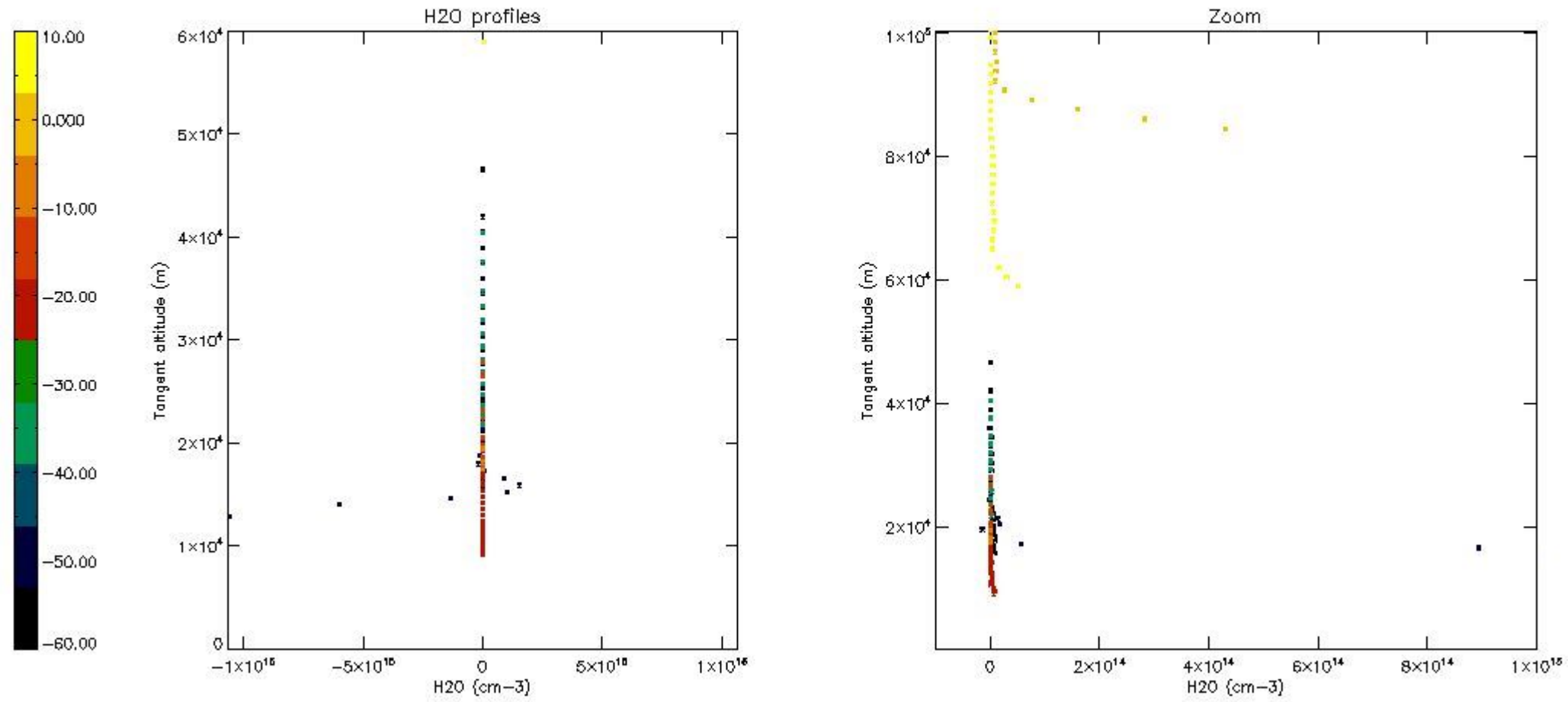
*5.7 Plot NO3 profiles for all STD (dark without errors)*

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.

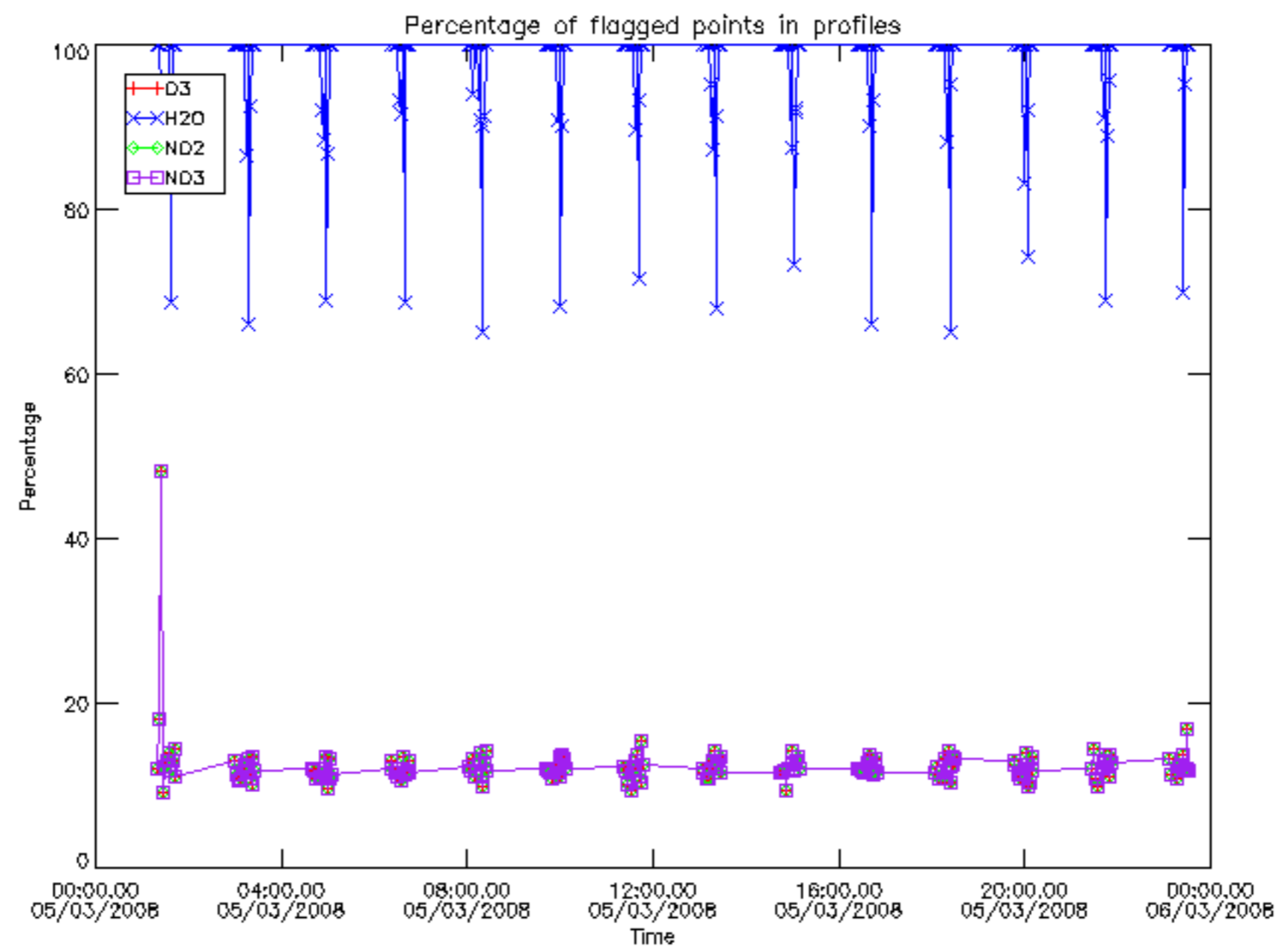


## 6. Auxiliary Data Files used for the production reported in section 2

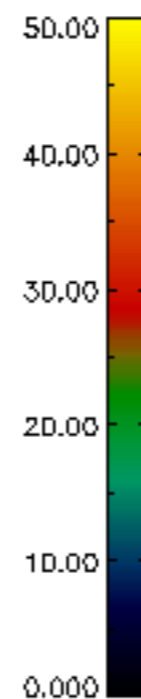
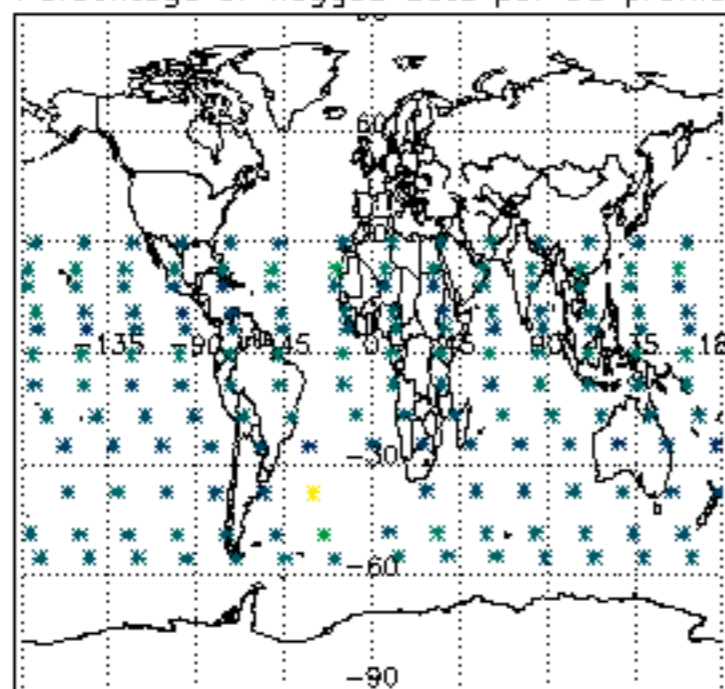
The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	05-MAR-2008 01:19:00
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	05-MAR-2008 01:19:00
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	05-MAR-2008 01:19:00

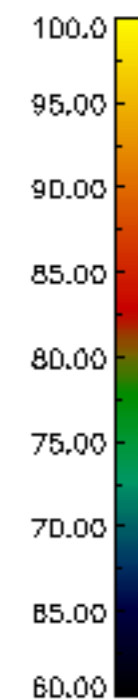
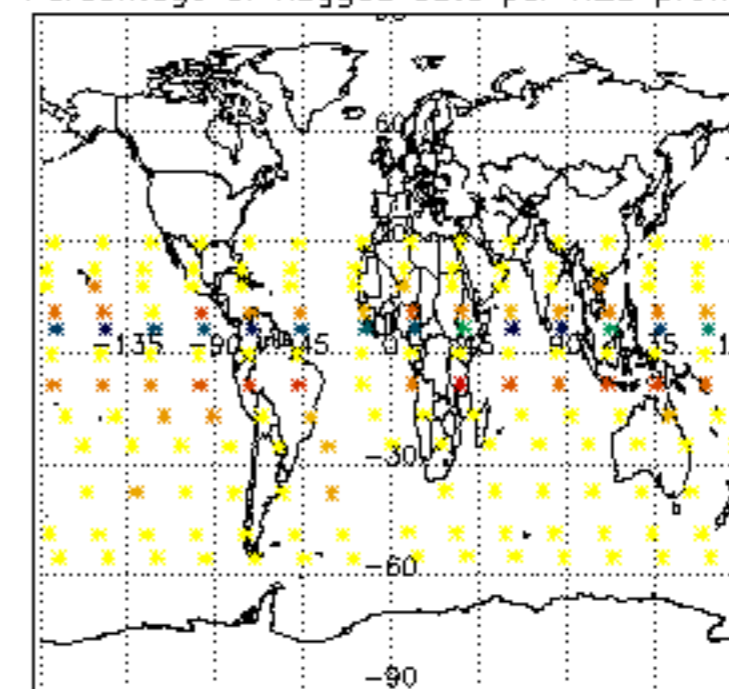




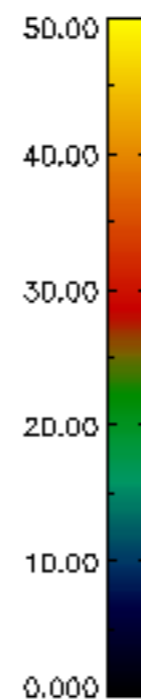
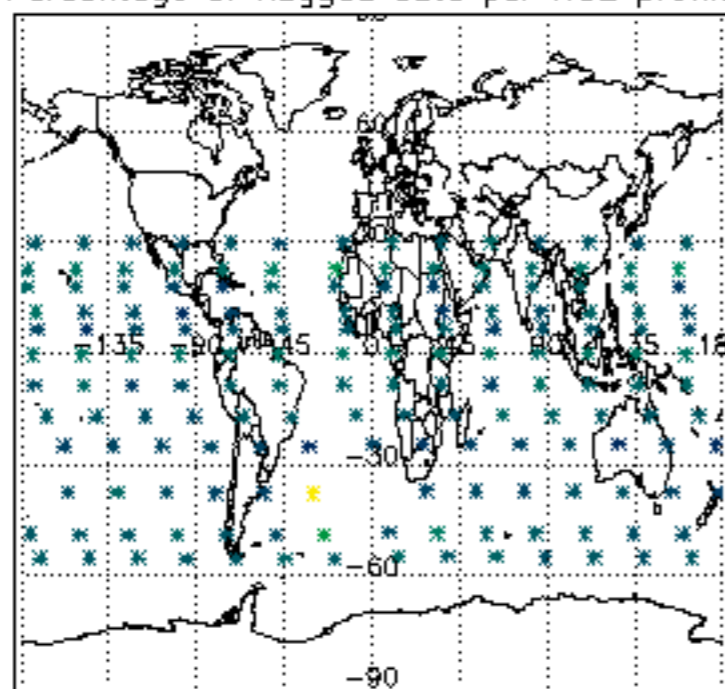
Percentage of flagged data per D3 profile



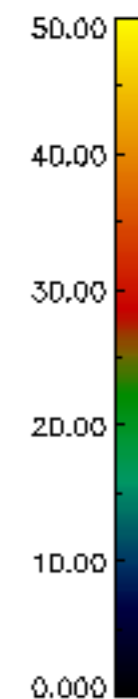
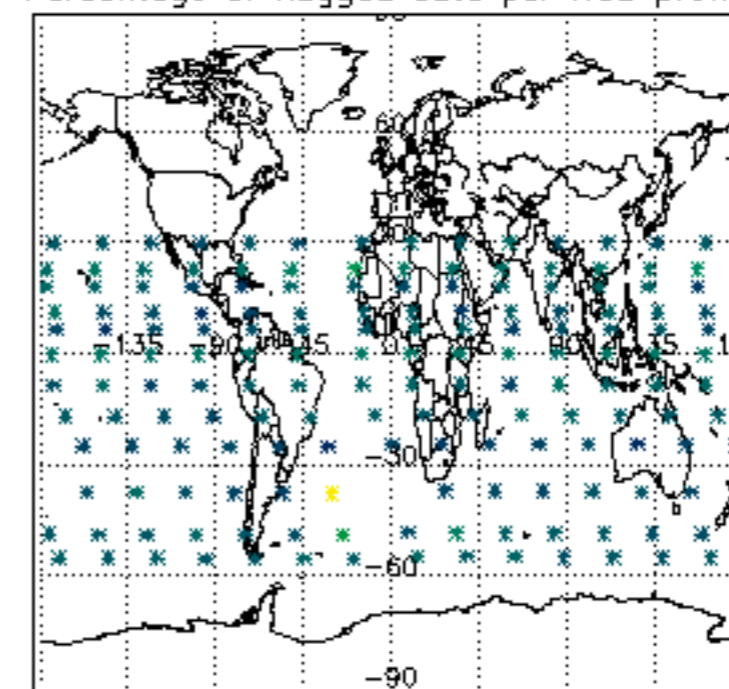
Percentage of flagged data per H2O profile

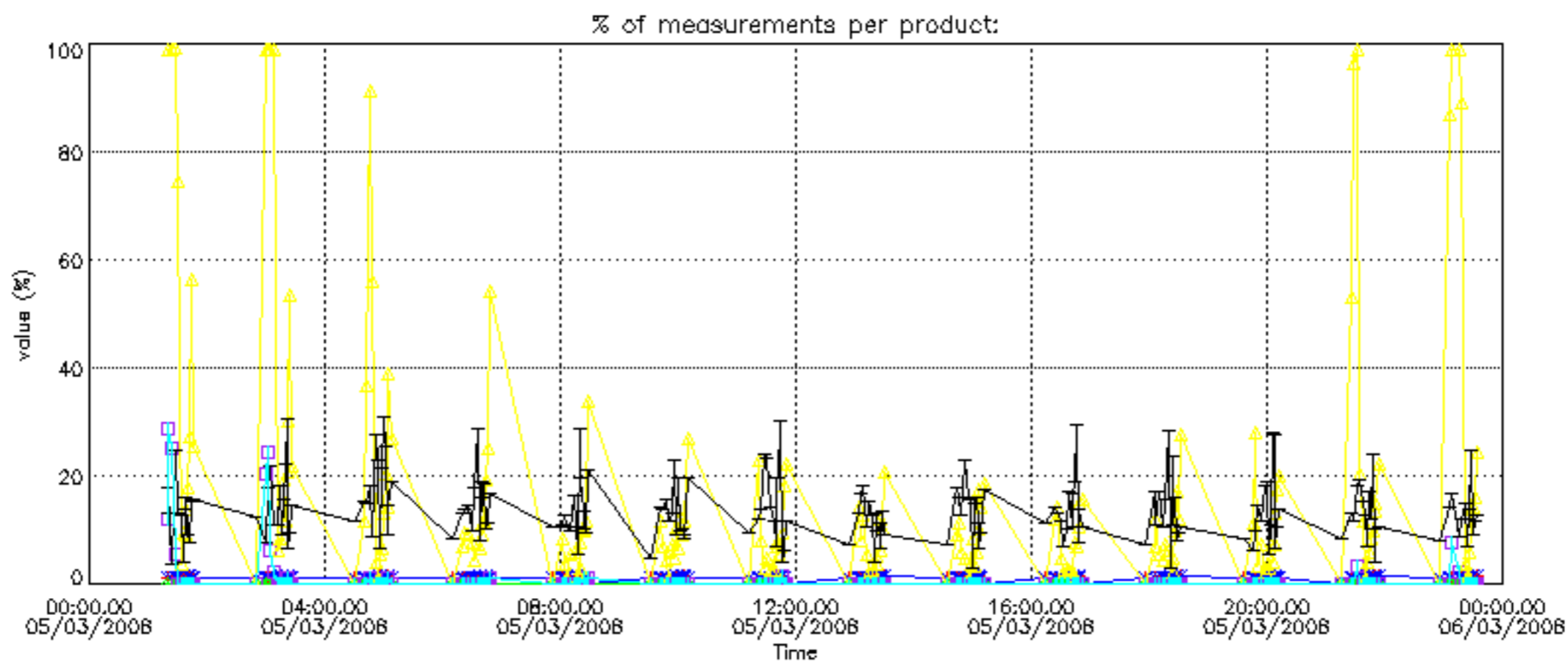


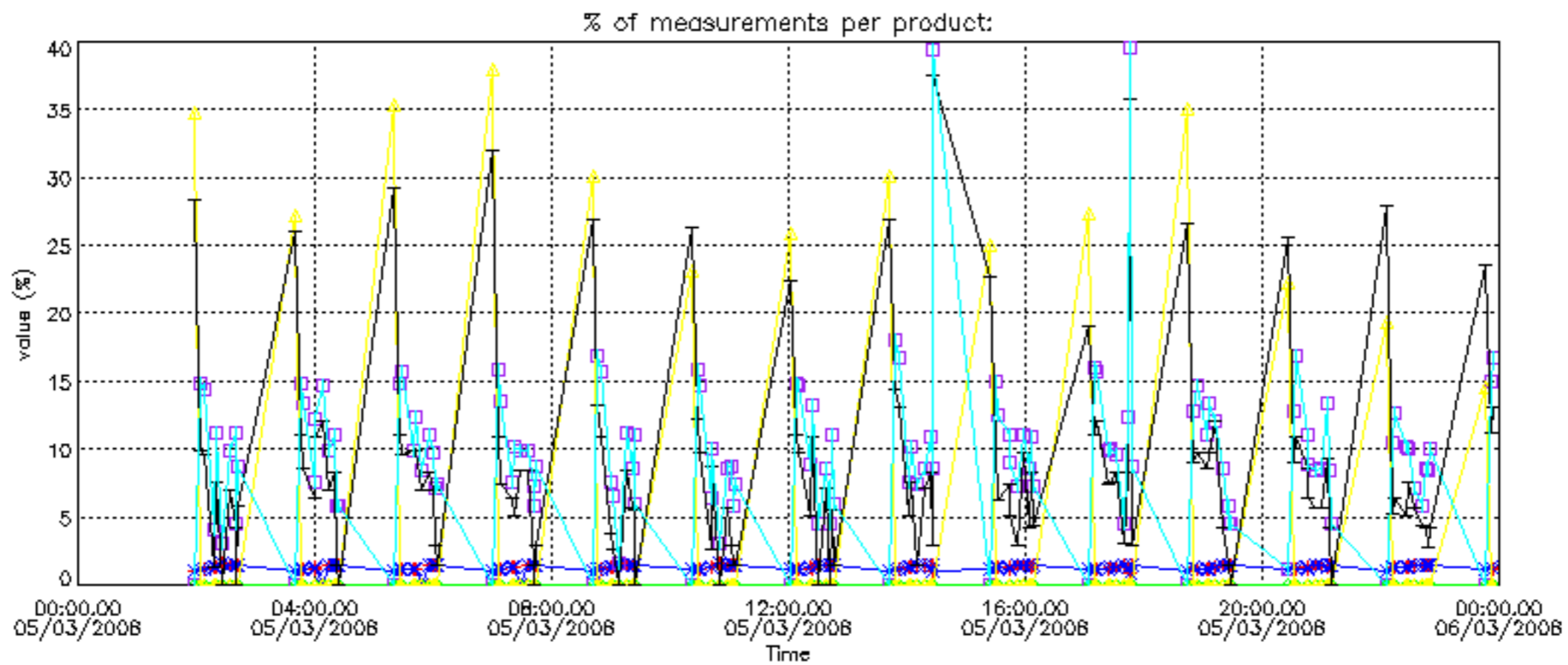
Percentage of flagged data per NO2 profile



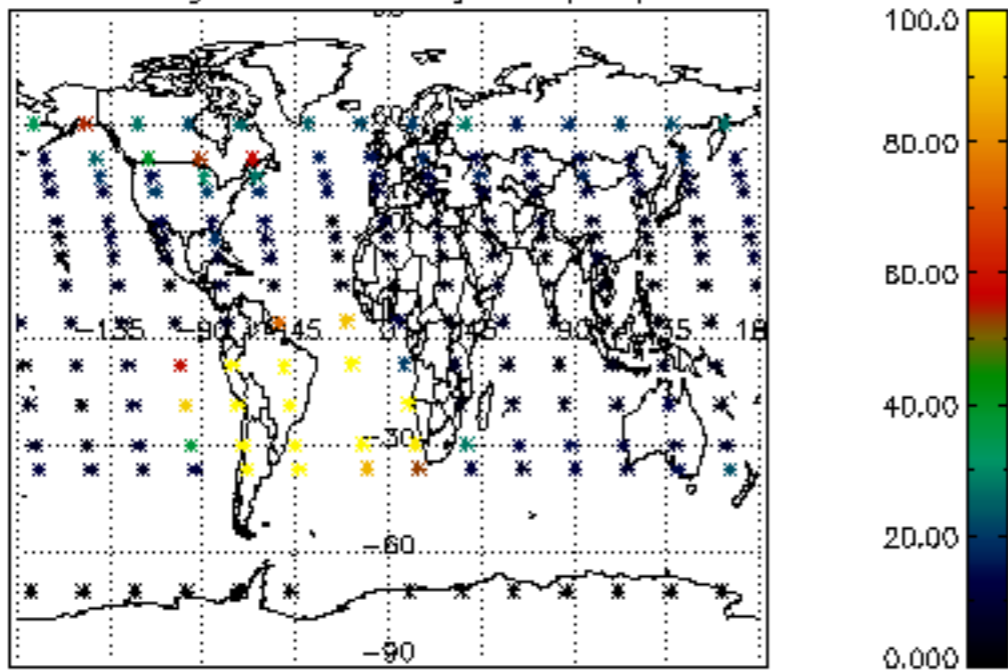
Percentage of flagged data per NO3 profile



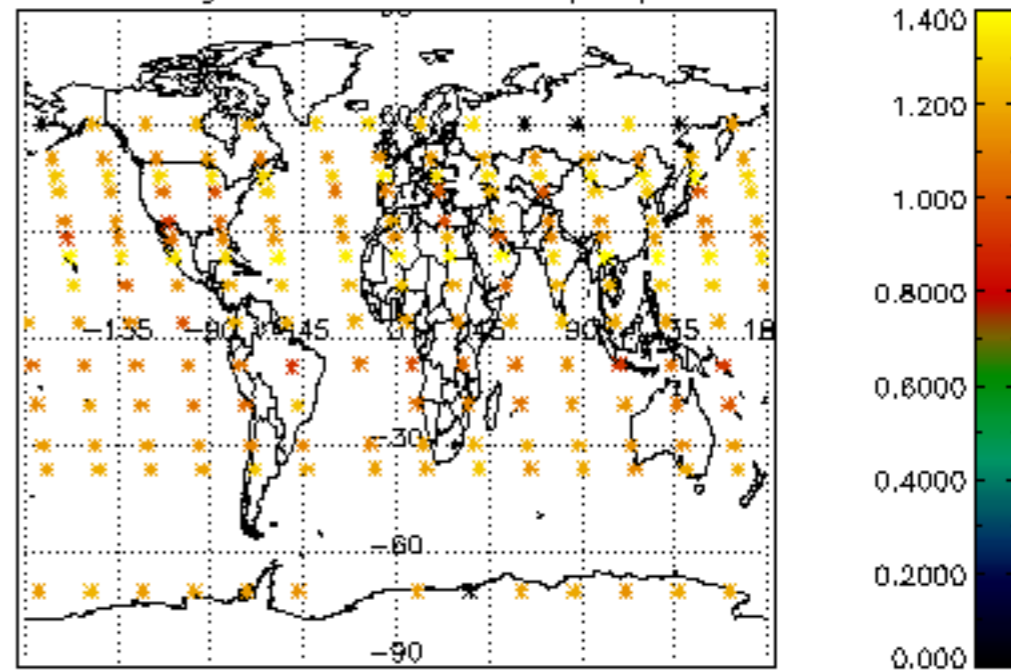




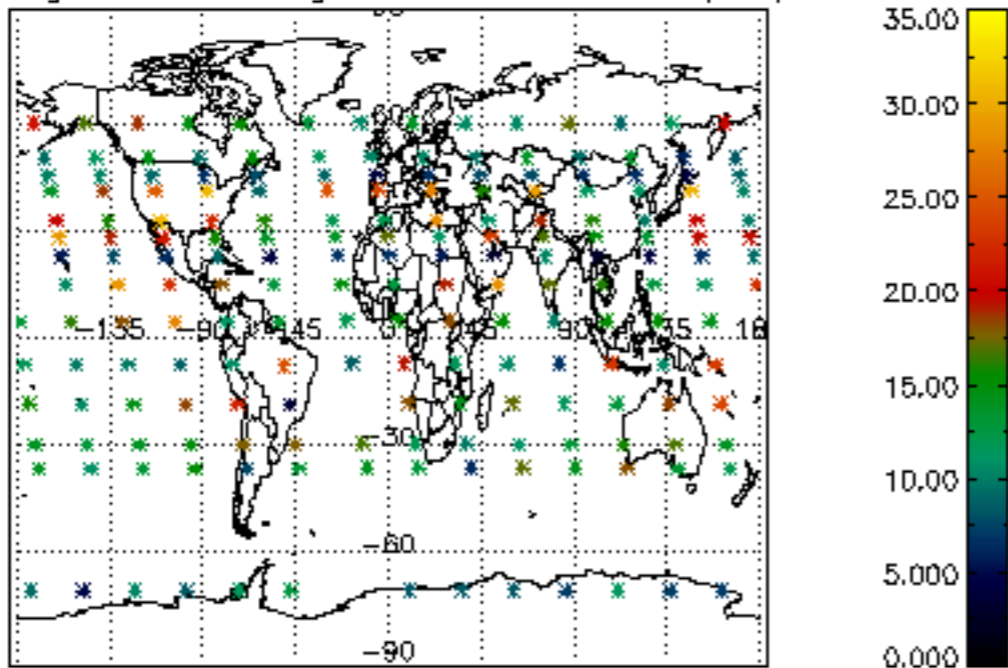
Percentage of cosmic ray hits per profile



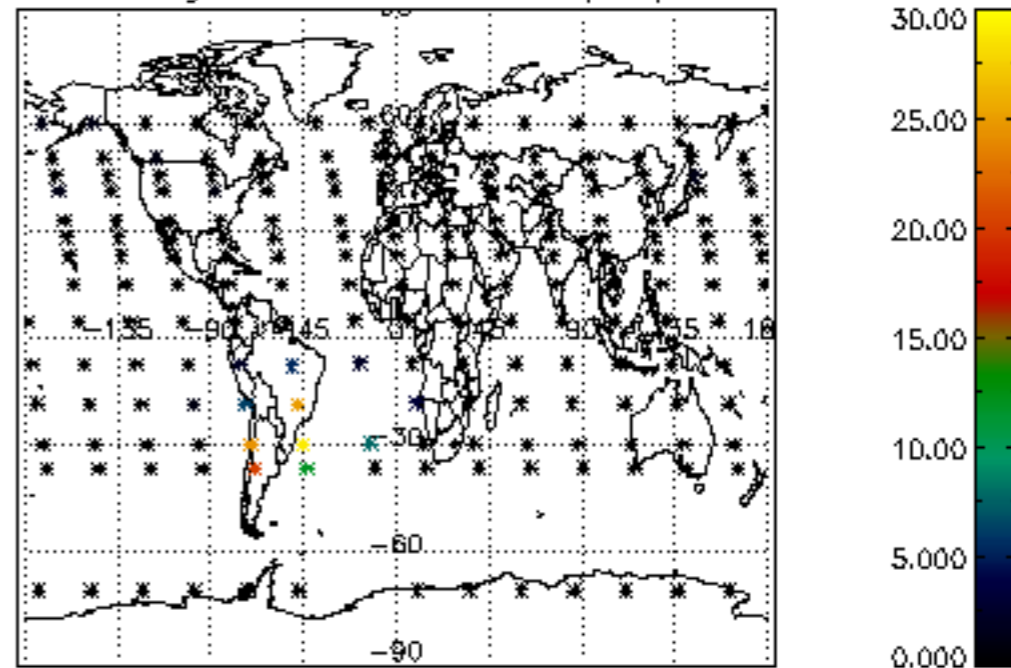
Percentage of datation errors per profile



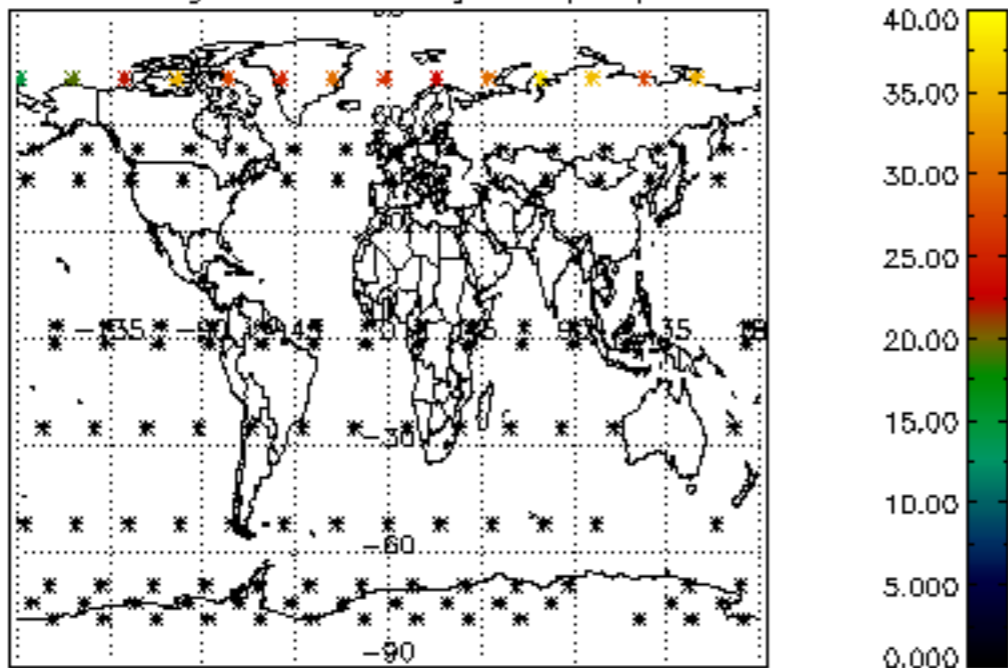
Percentage of star falling outside central band per profile



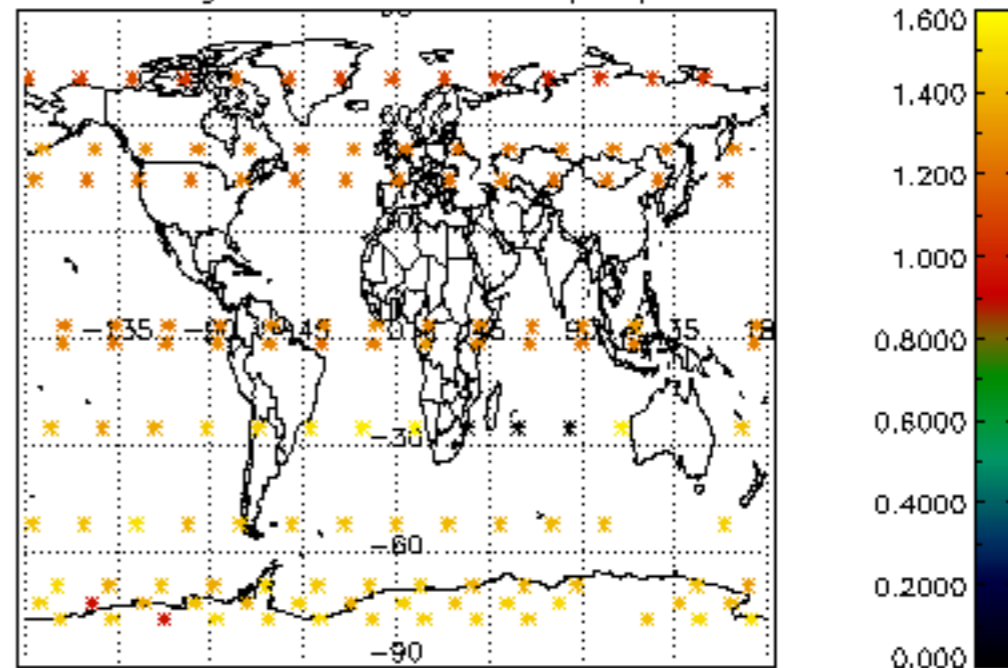
Percentage of saturation errors per profile



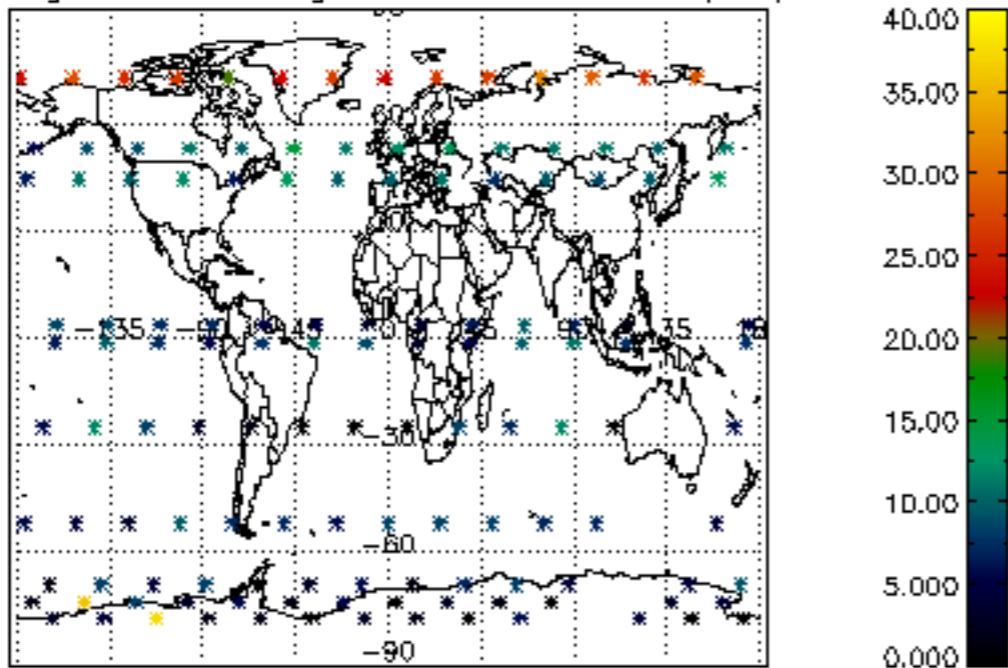
Percentage of cosmic ray hits per profile



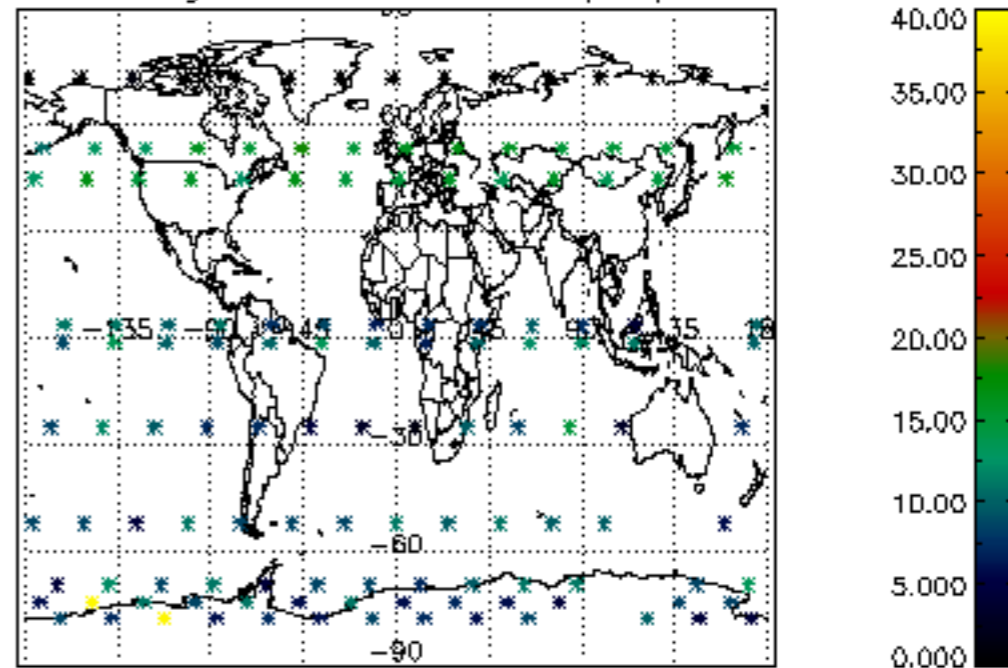
Percentage of datation errors per profile

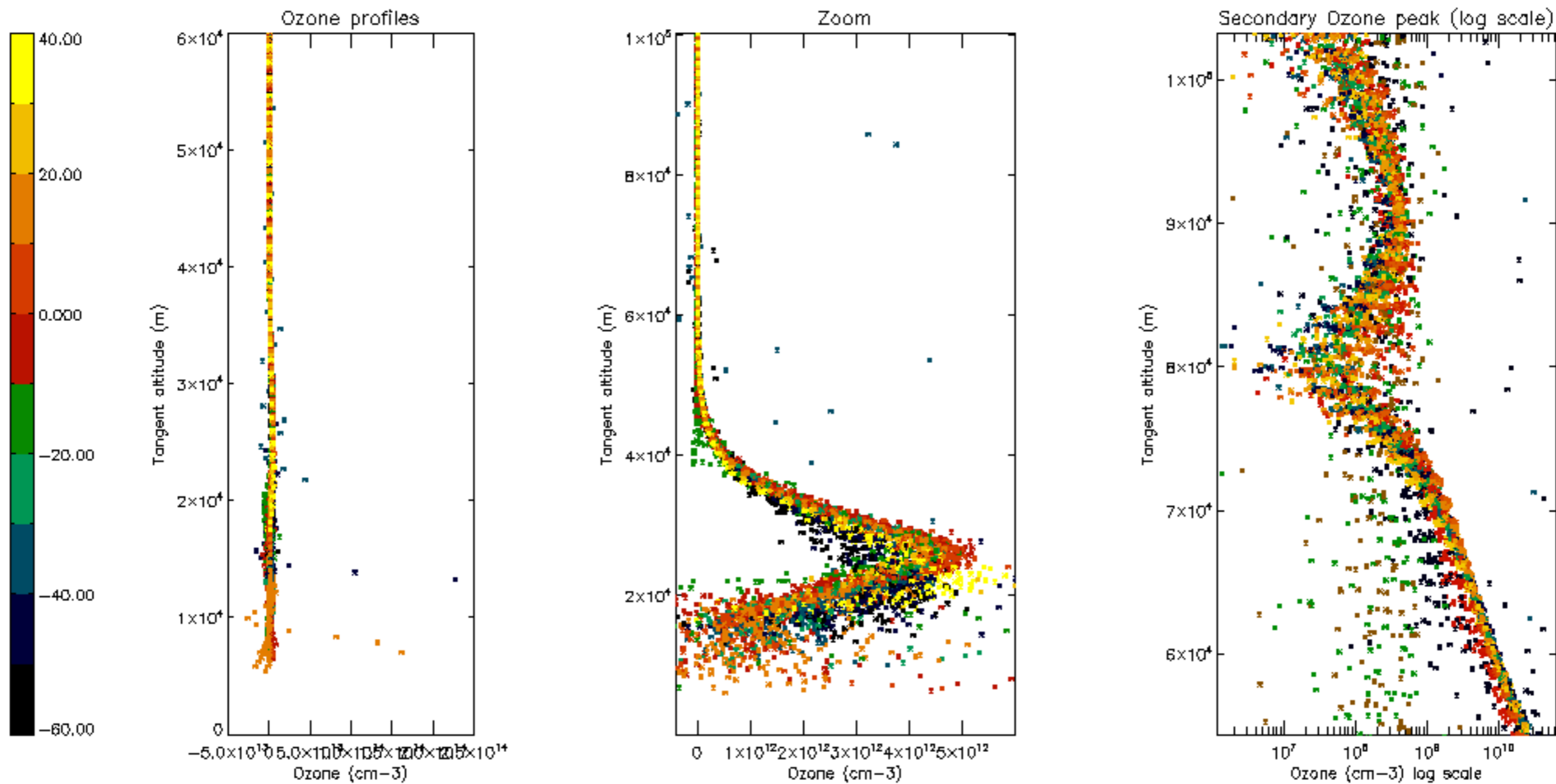


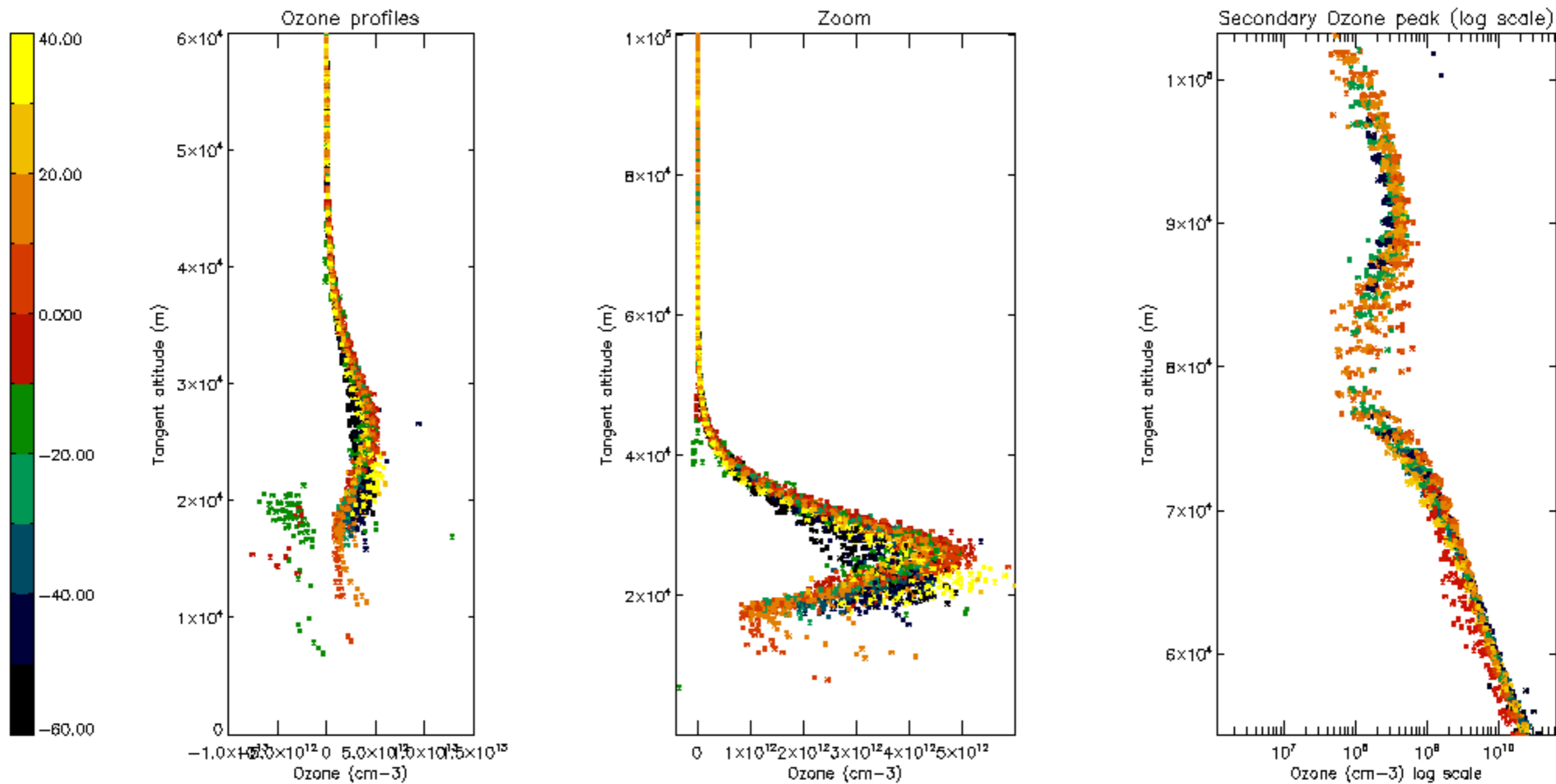
Percentage of star falling outside central band per profile



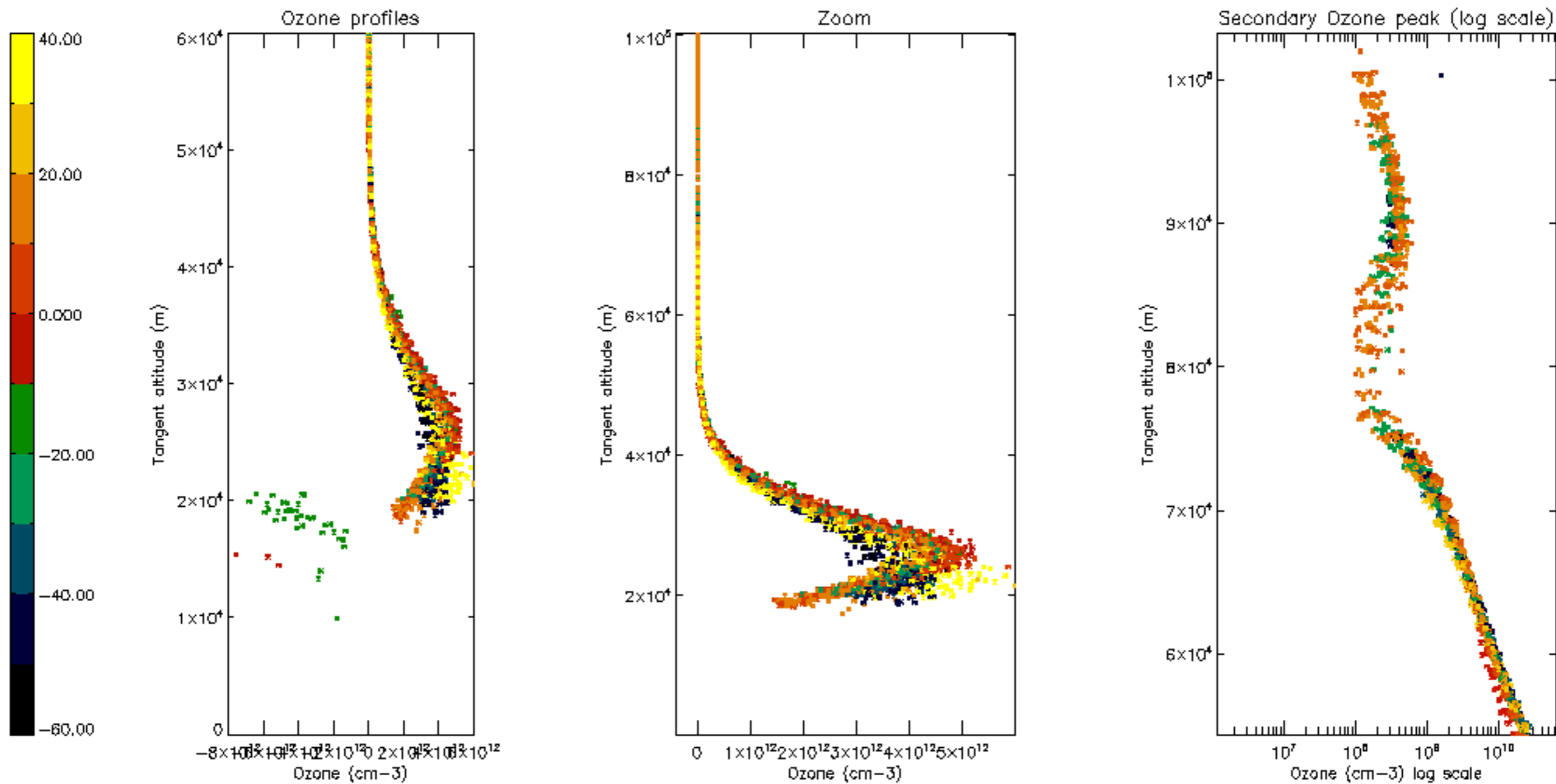
Percentage of saturation errors per profile

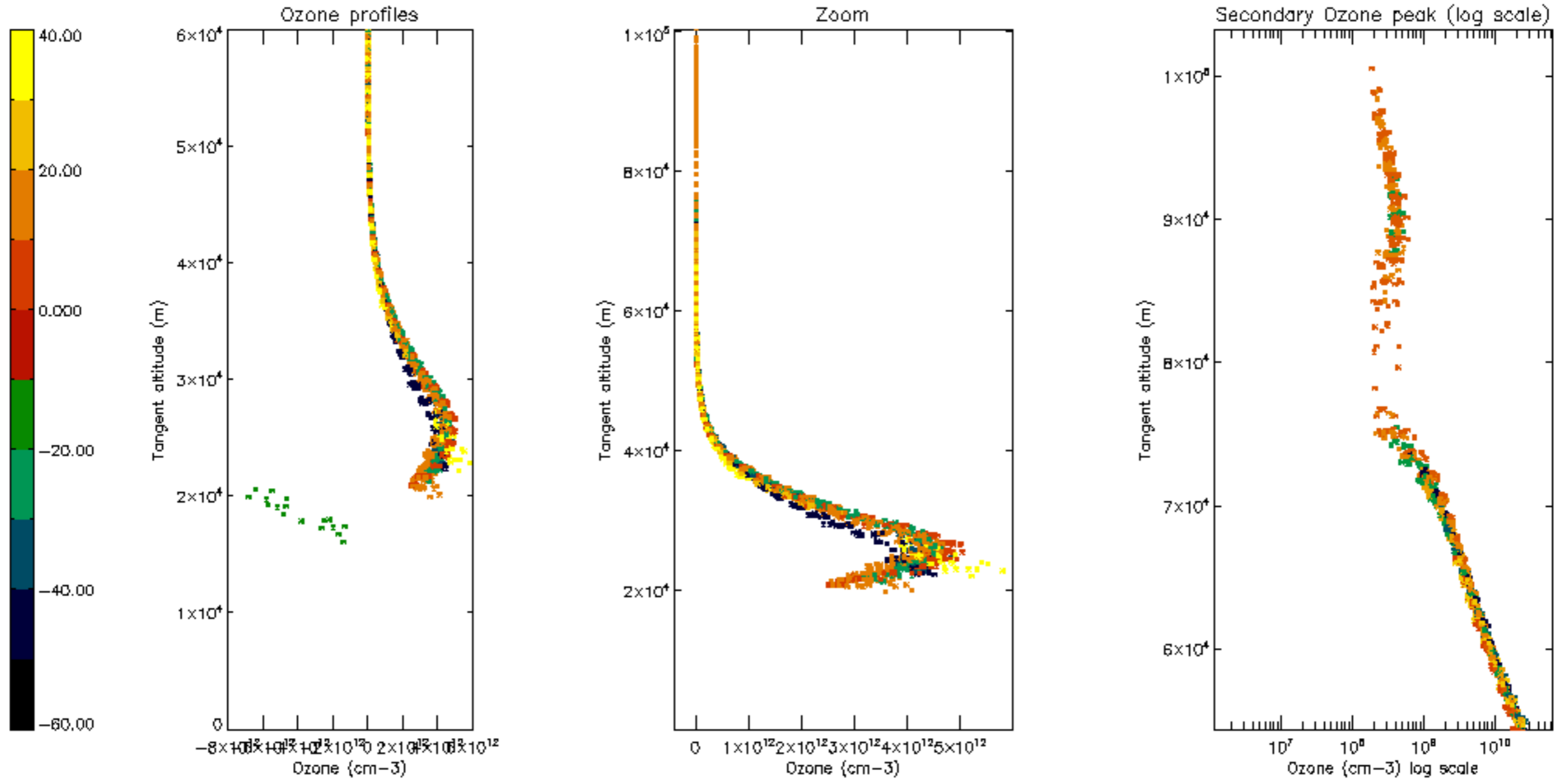


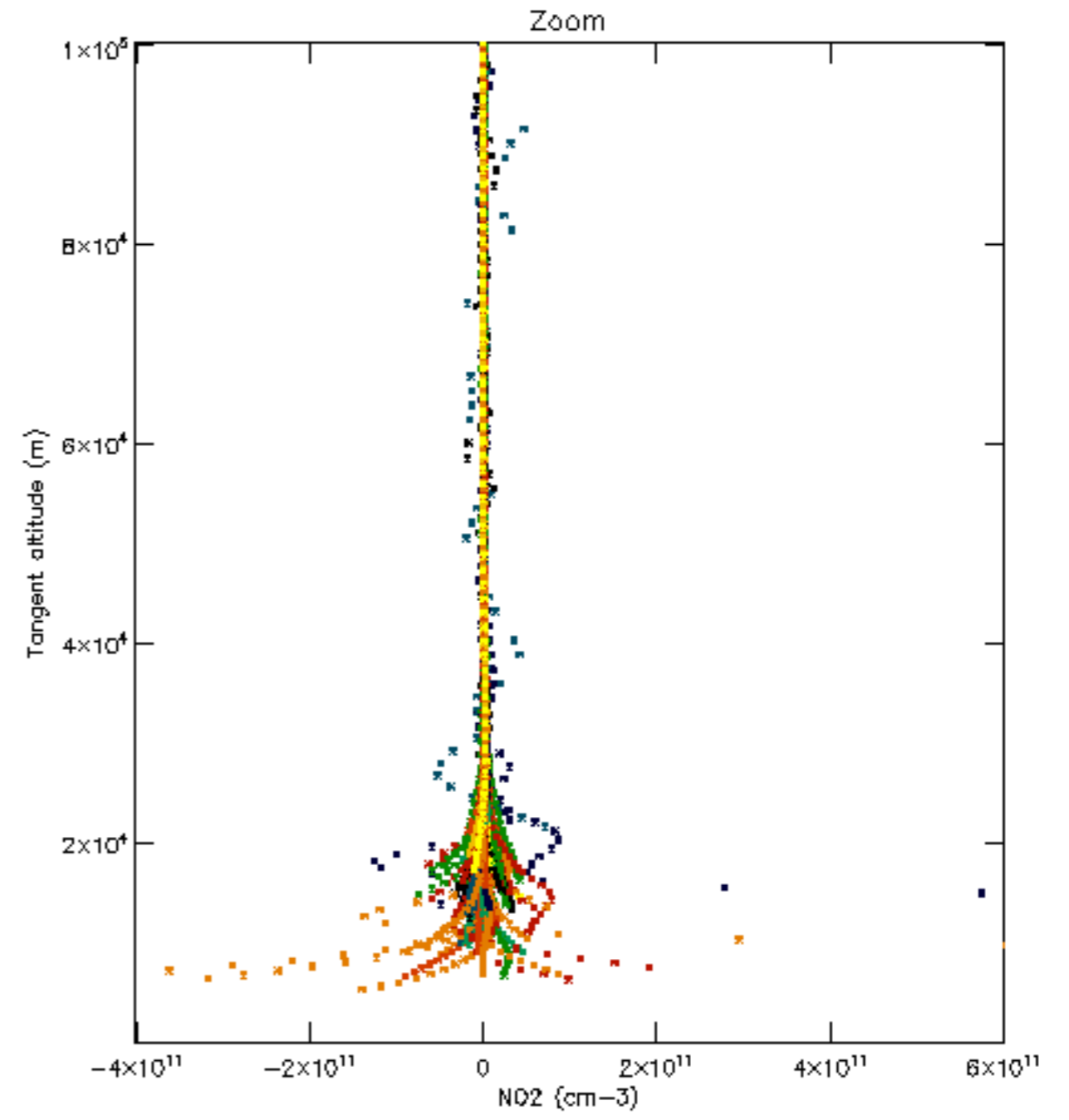
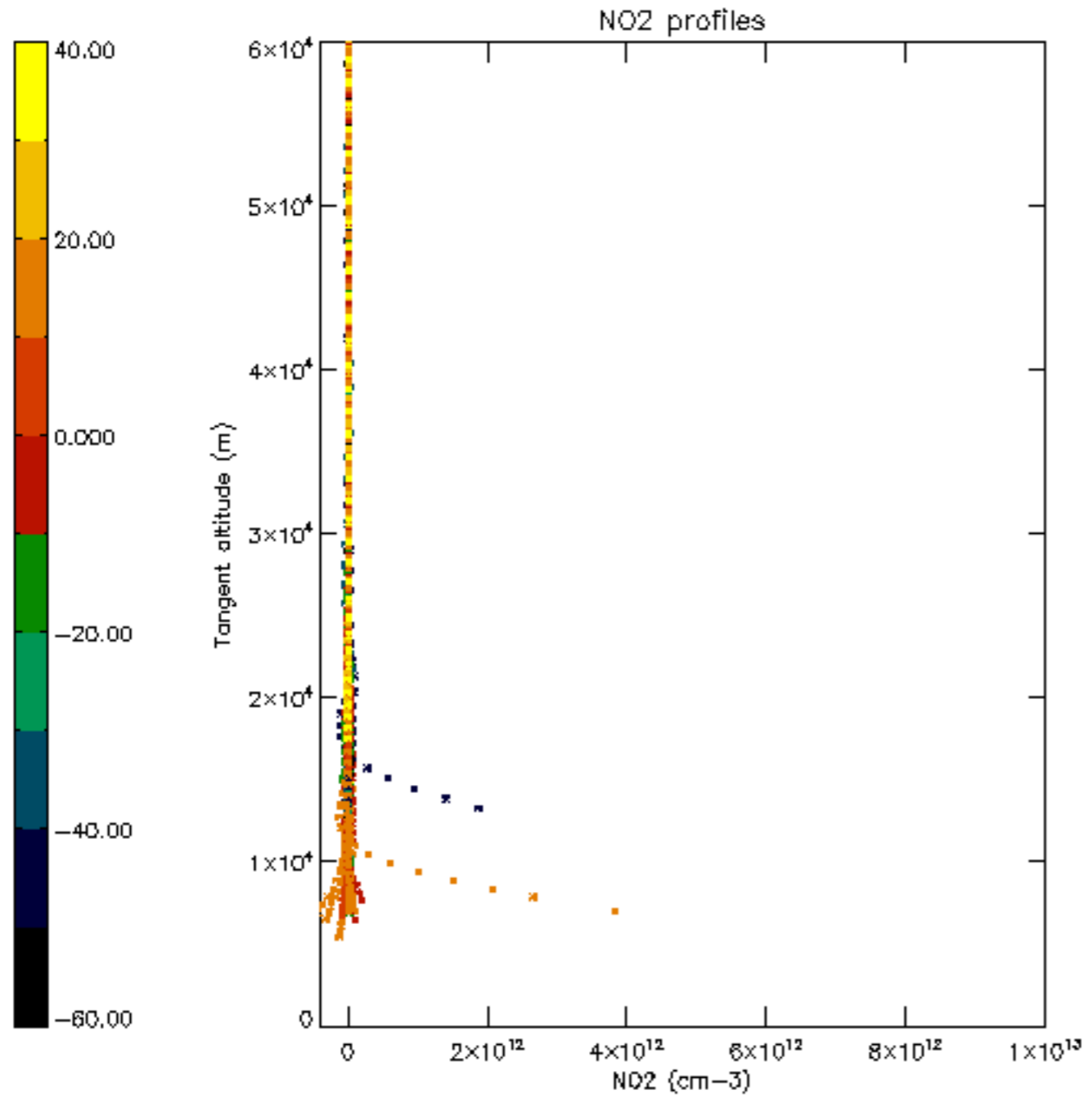


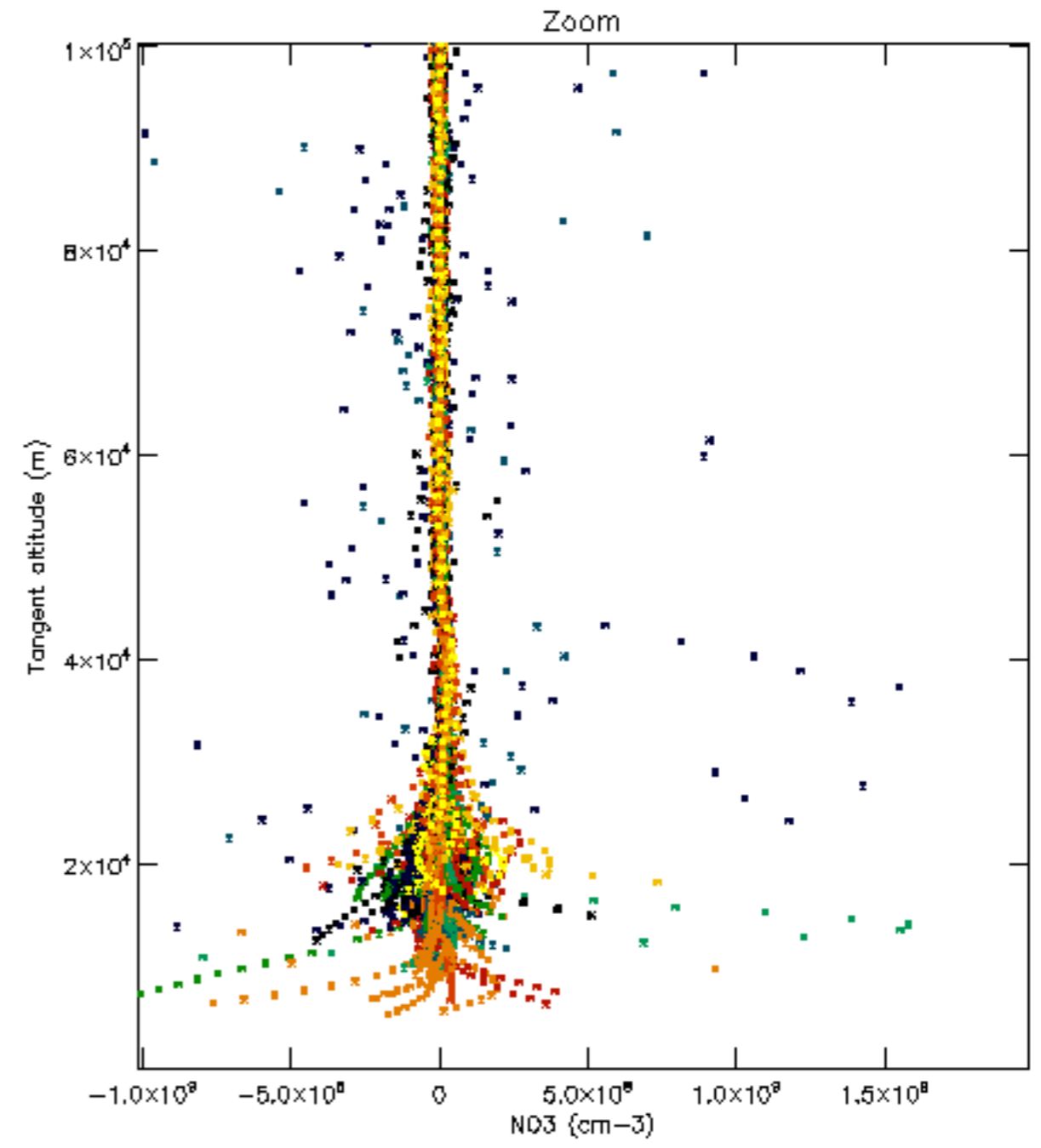
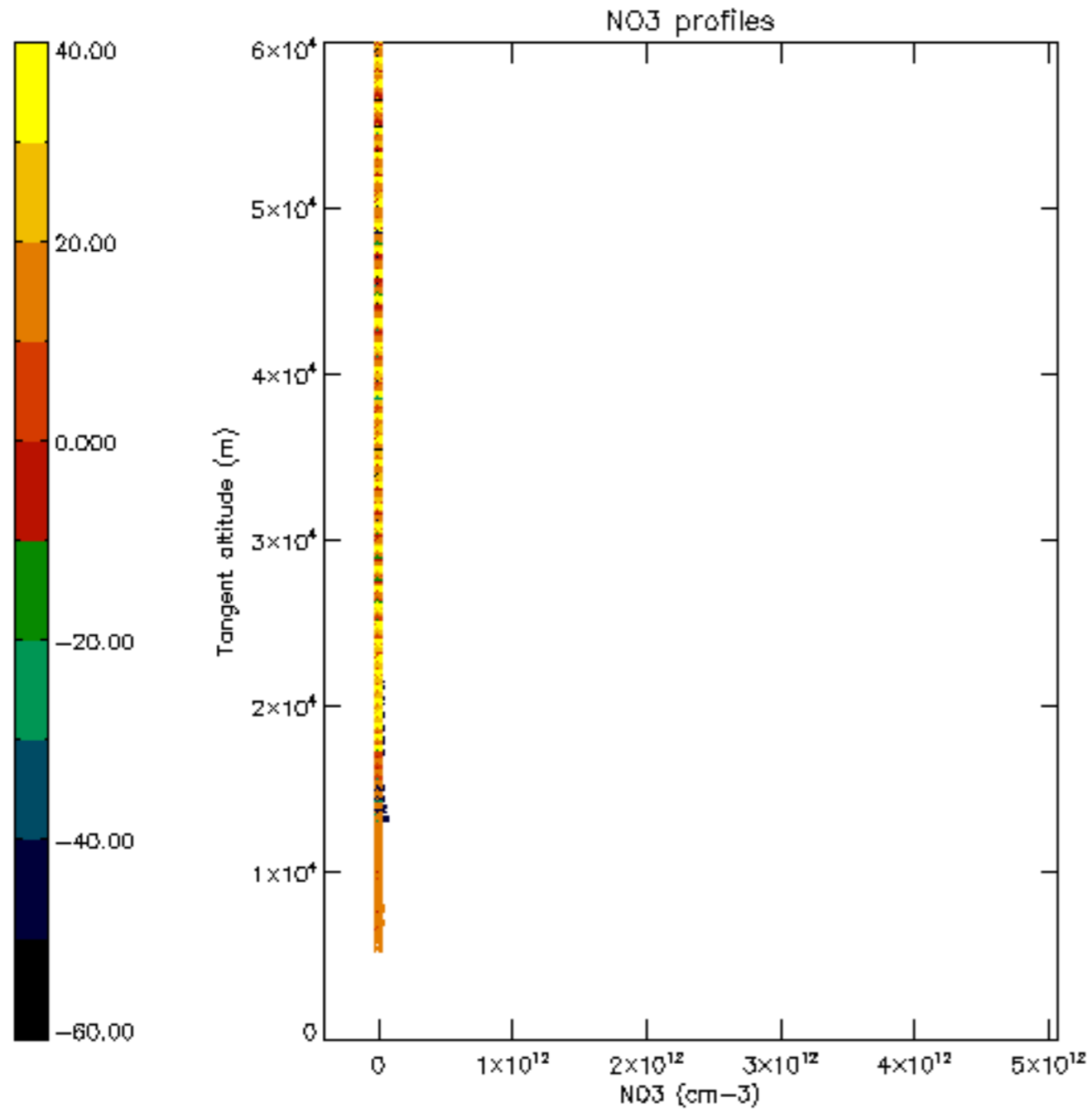


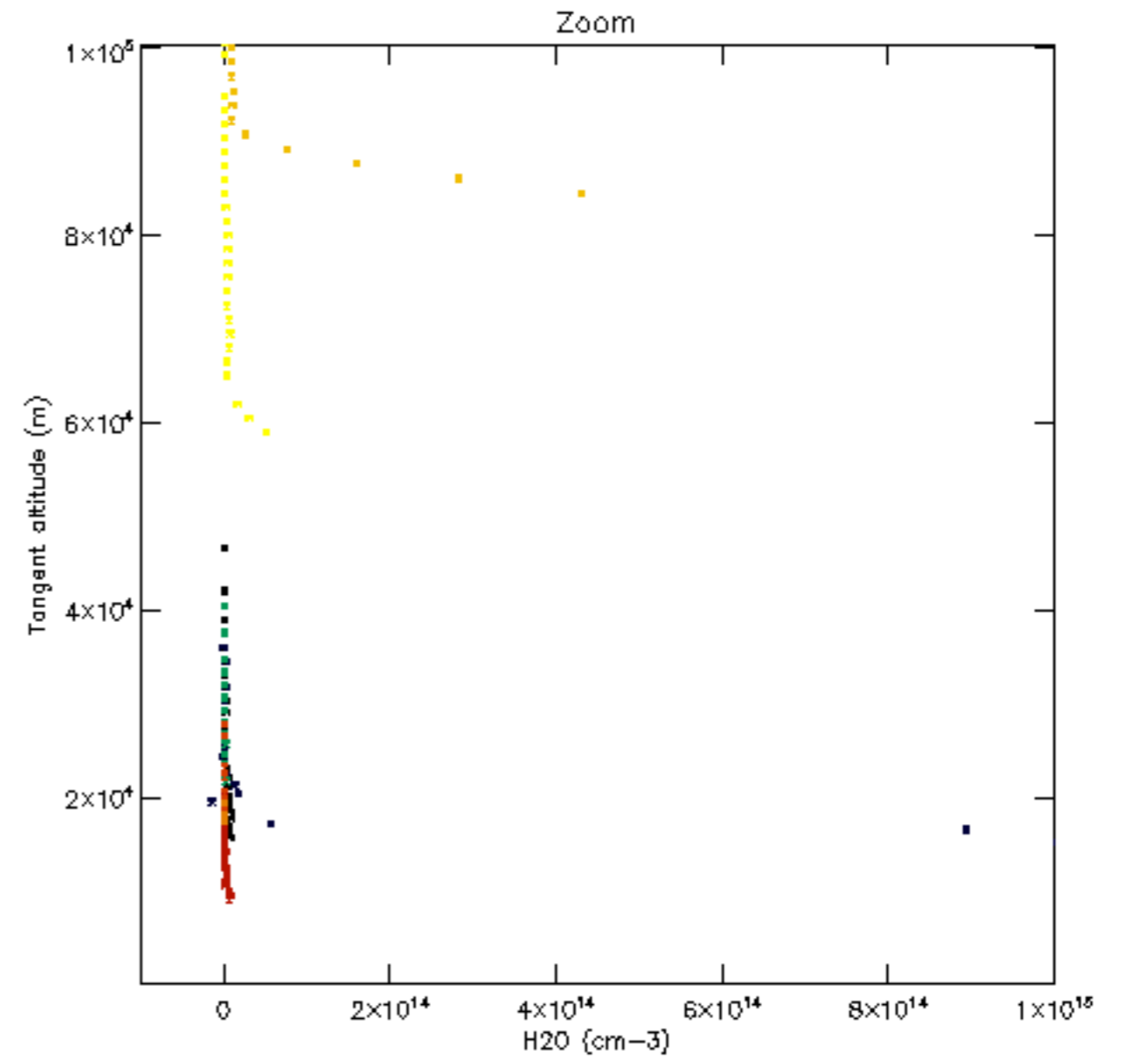
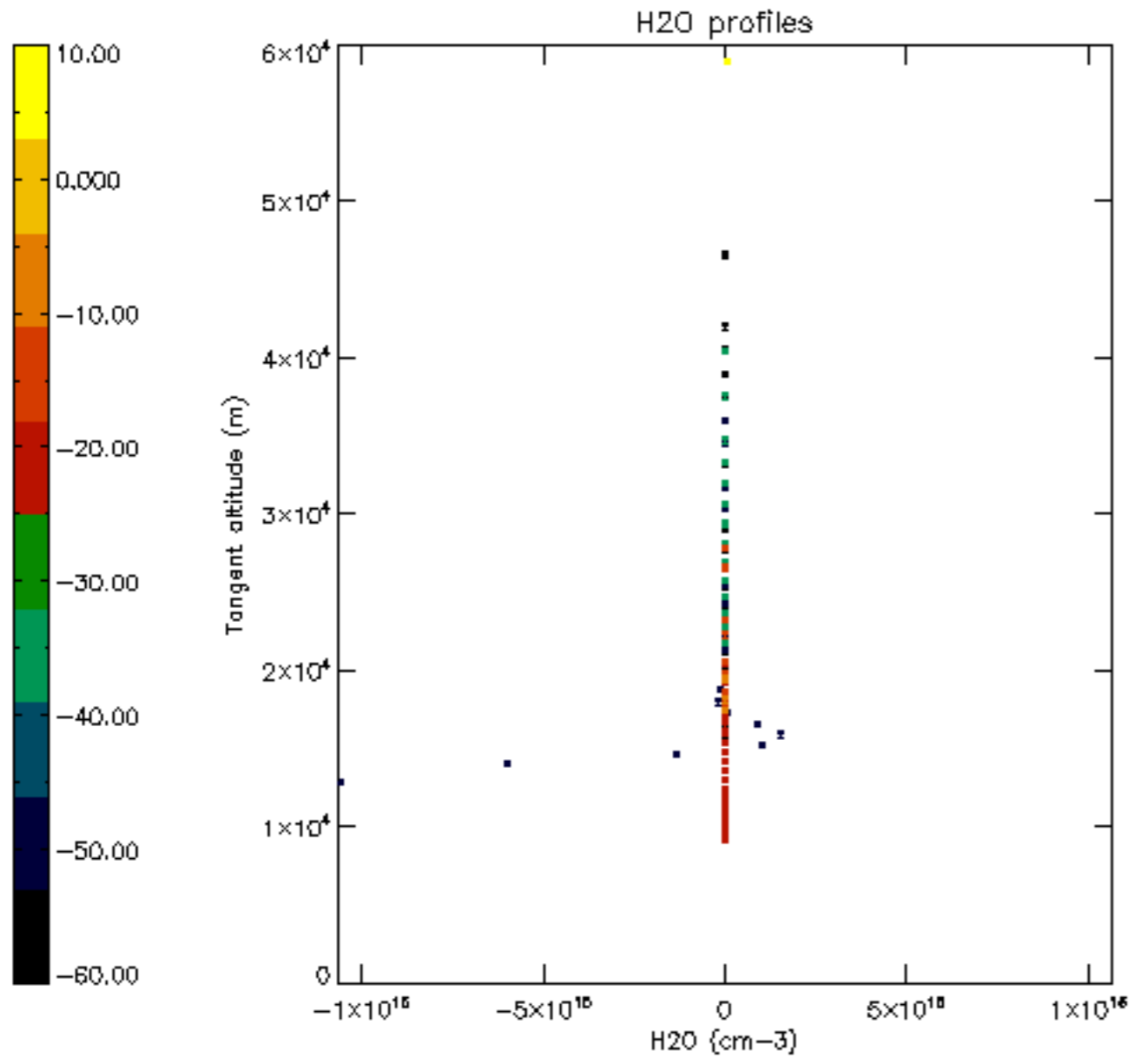


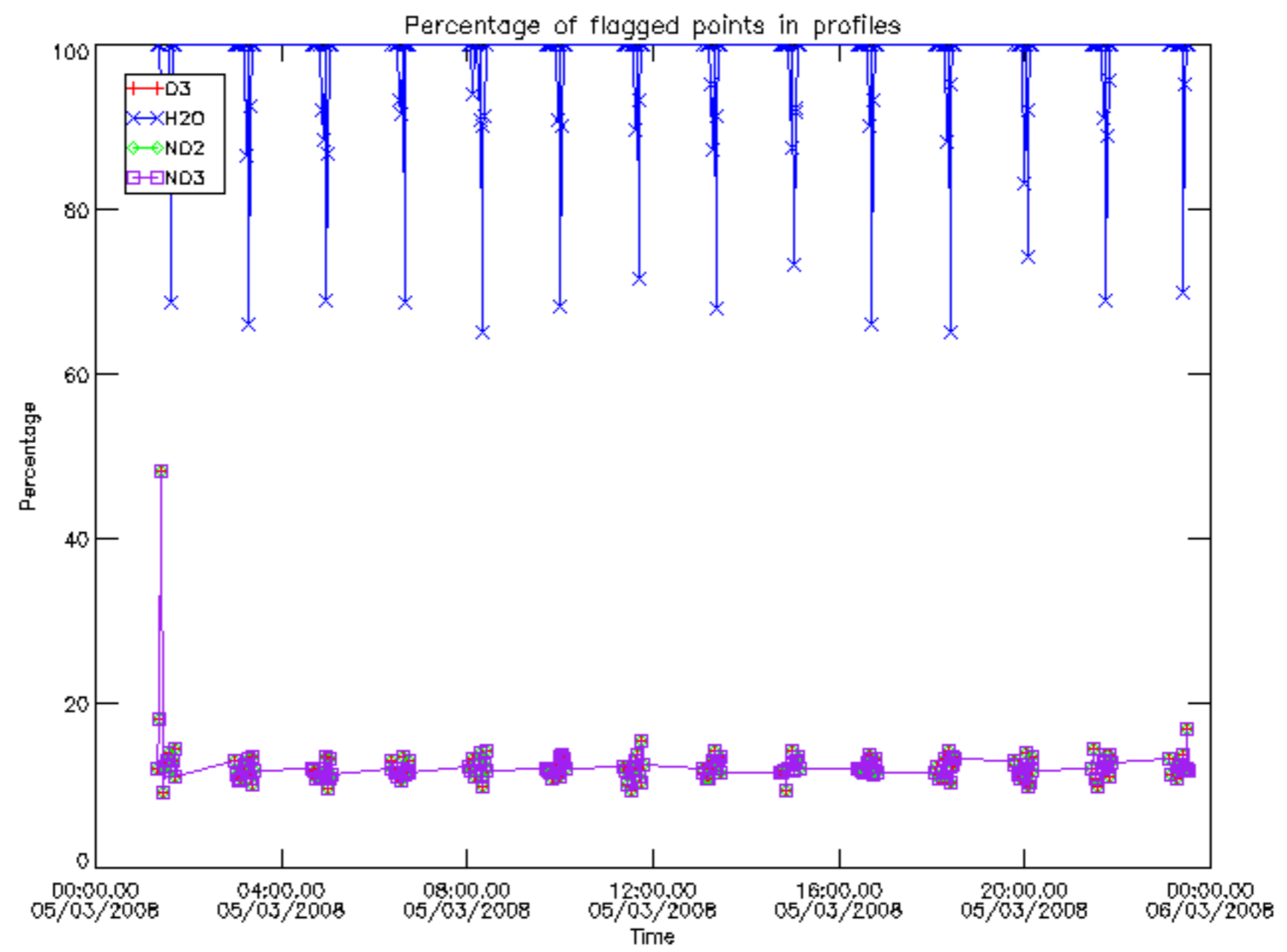




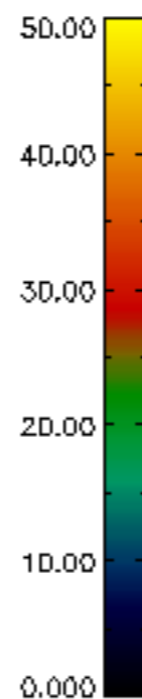
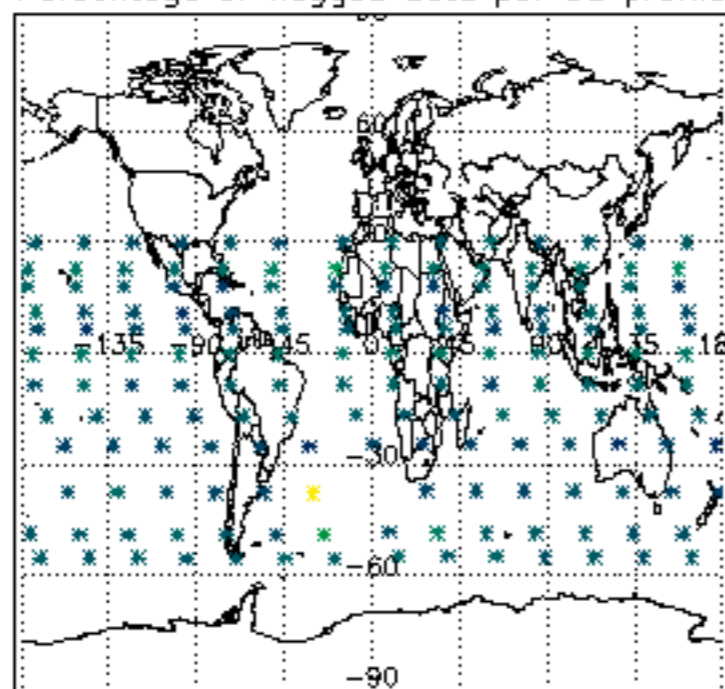




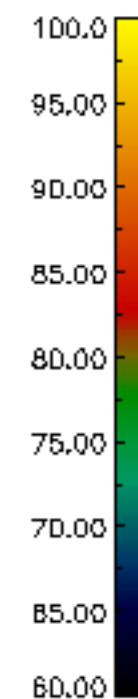
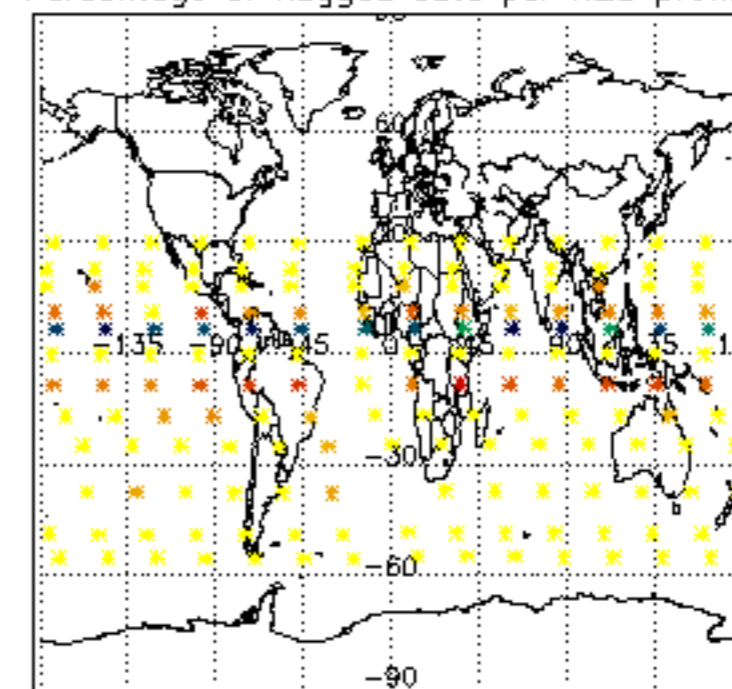




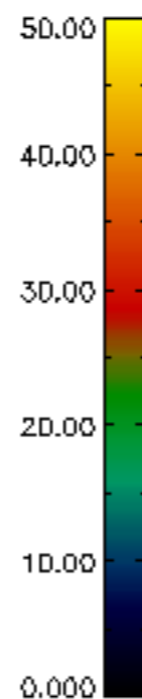
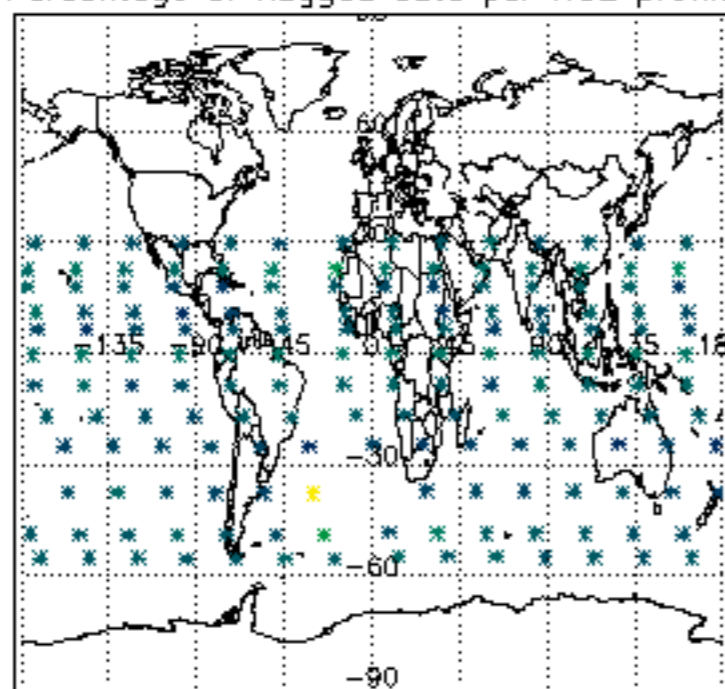
Percentage of flagged data per D3 profile



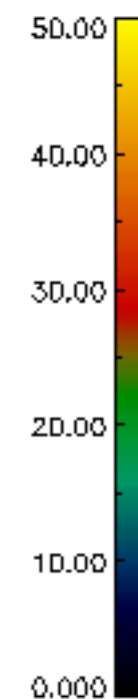
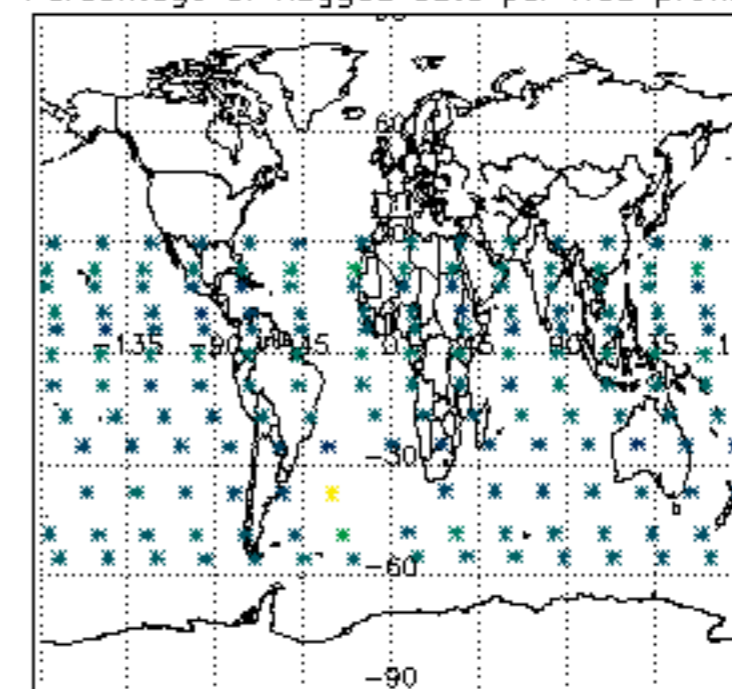
Percentage of flagged data per H2O profile

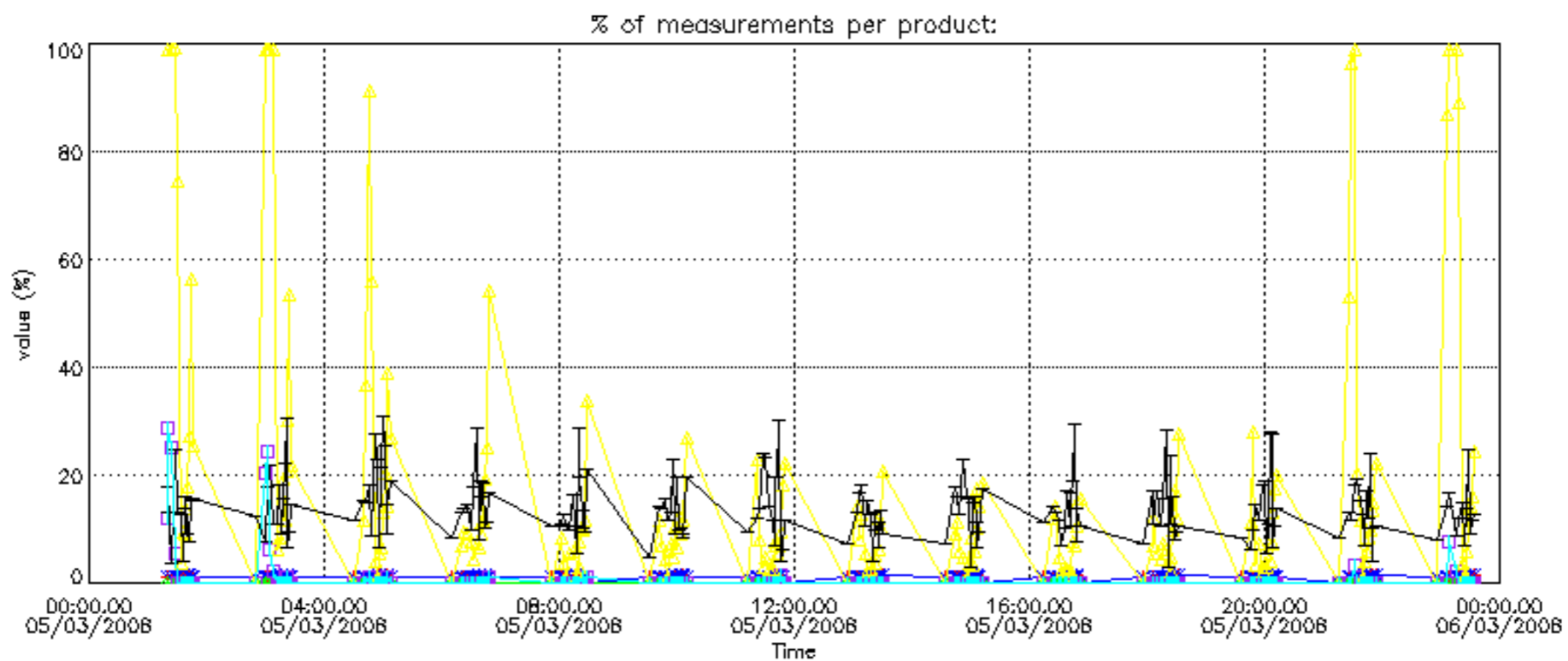


Percentage of flagged data per NO2 profile

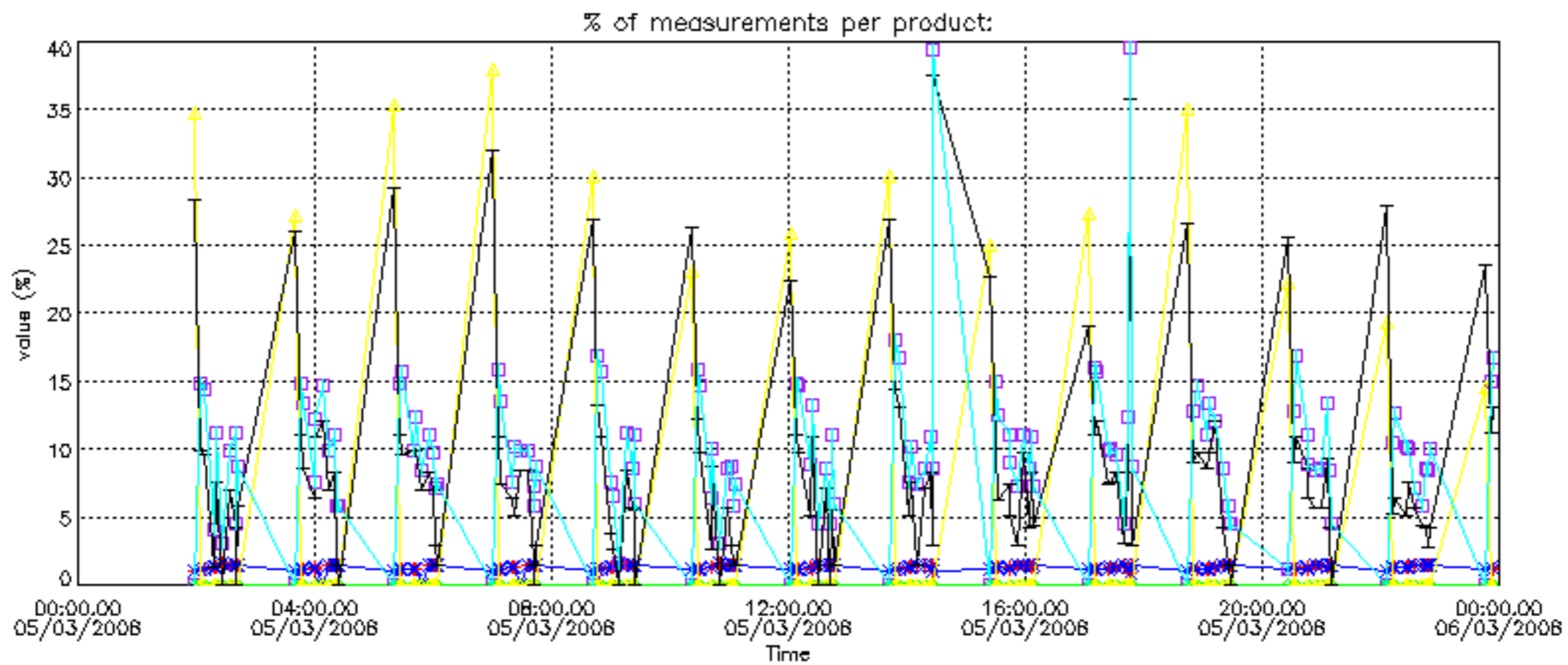


Percentage of flagged data per NO3 profile

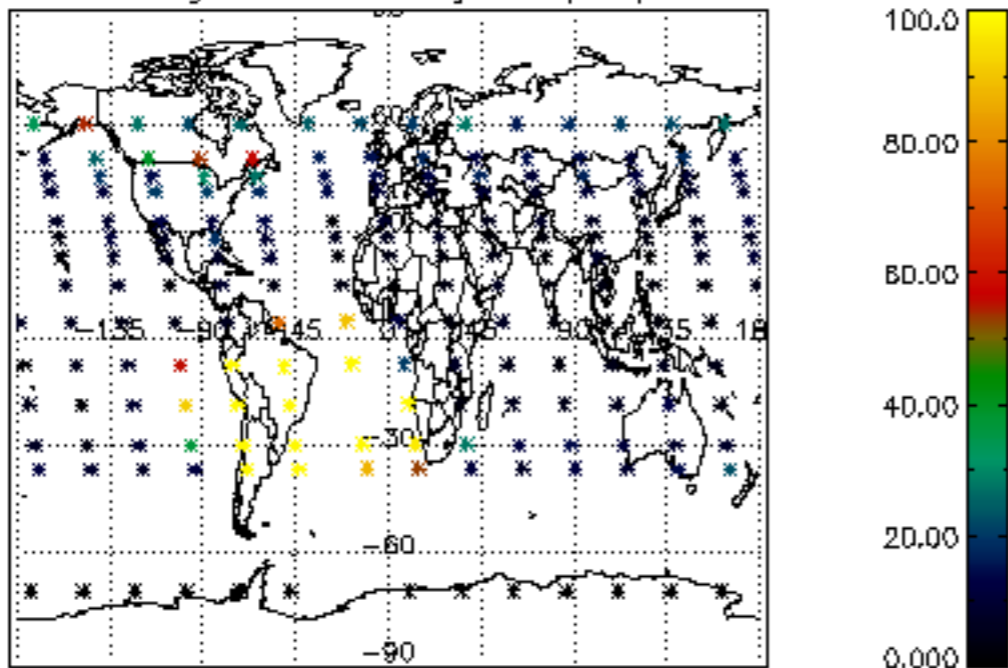




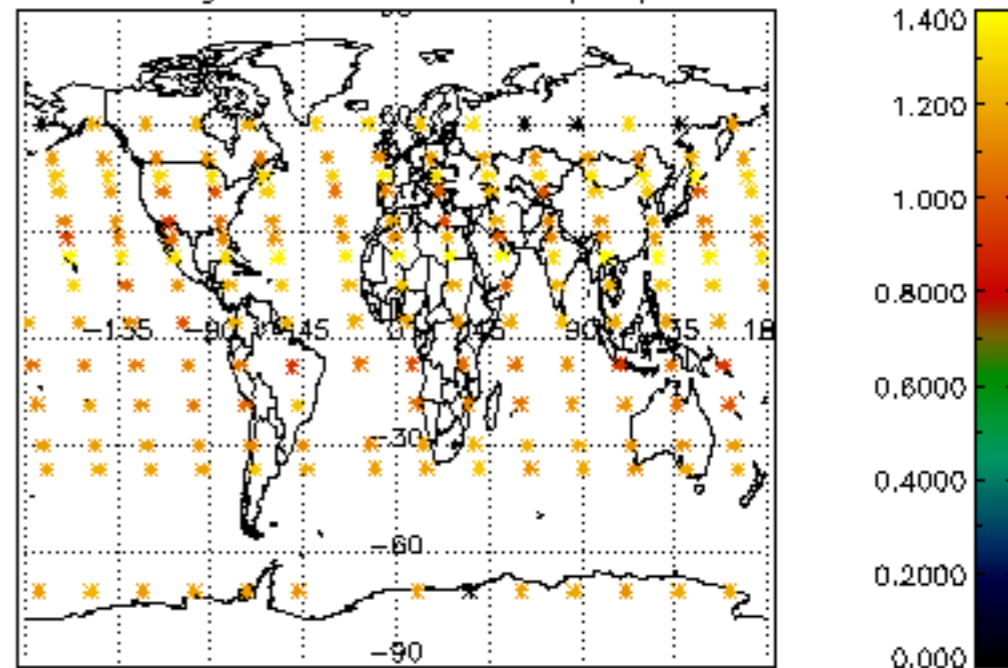




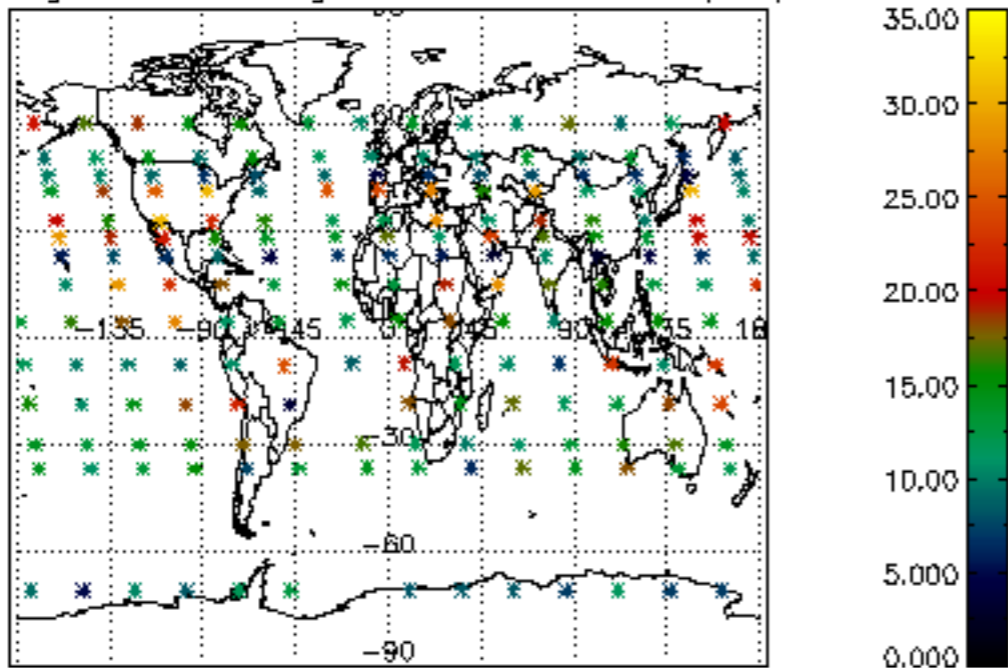
Percentage of cosmic ray hits per profile



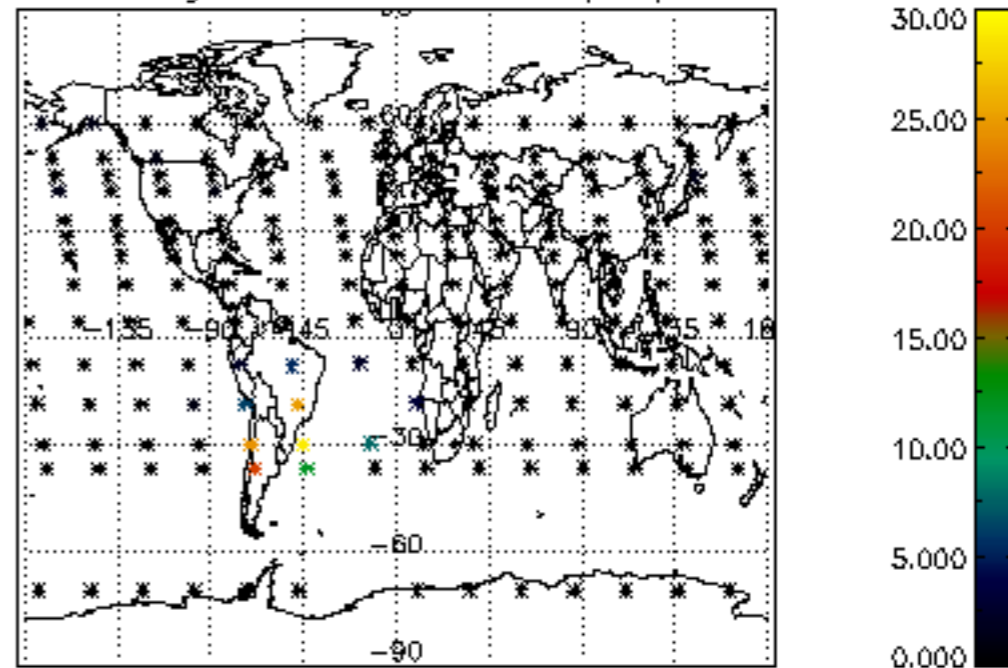
Percentage of datation errors per profile



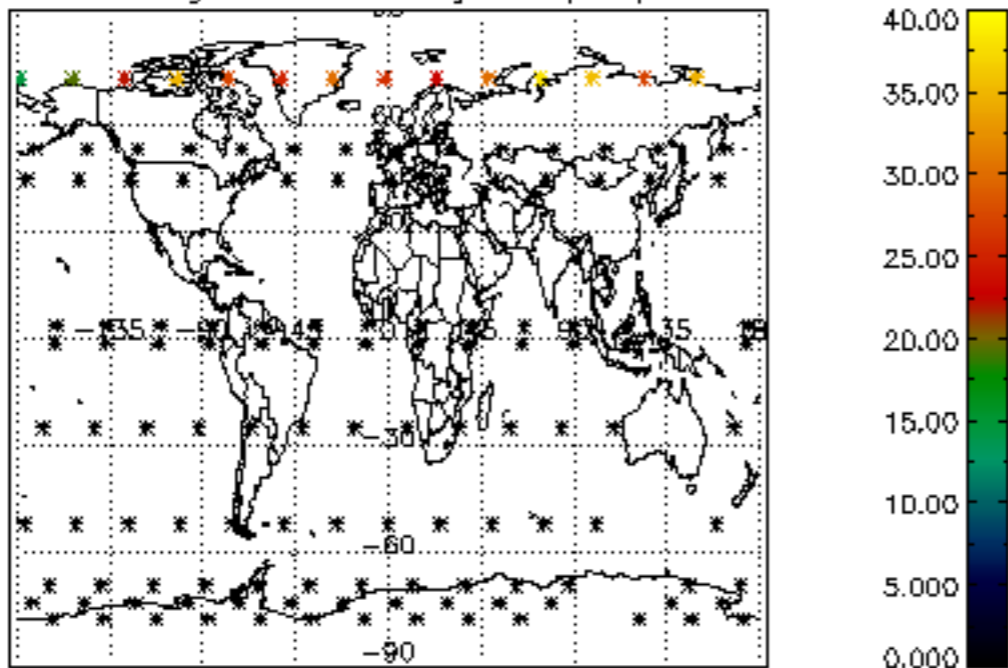
Percentage of star falling outside central band per profile



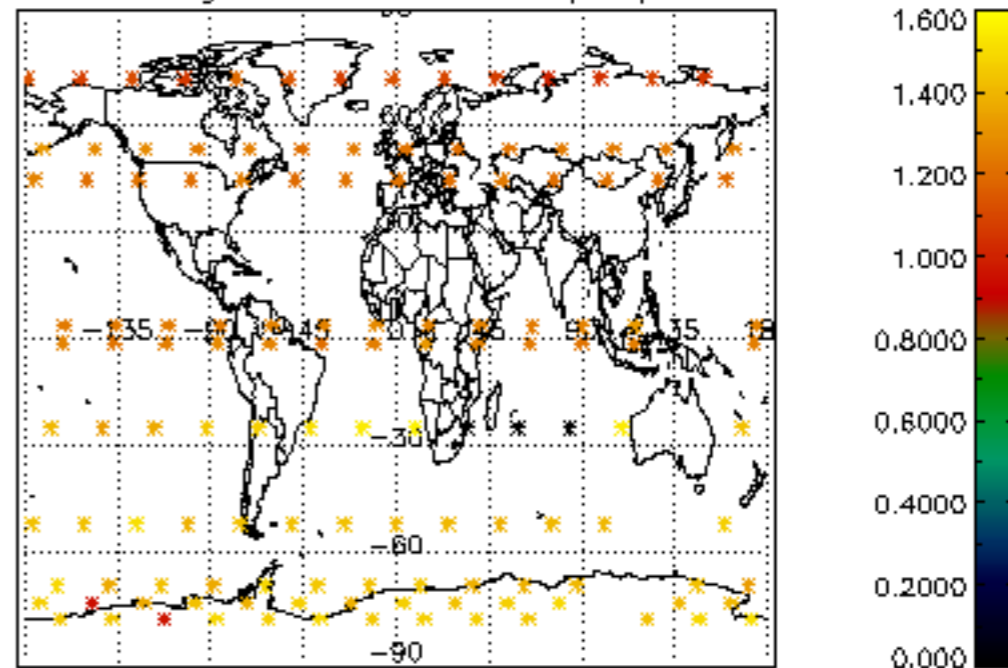
Percentage of saturation errors per profile



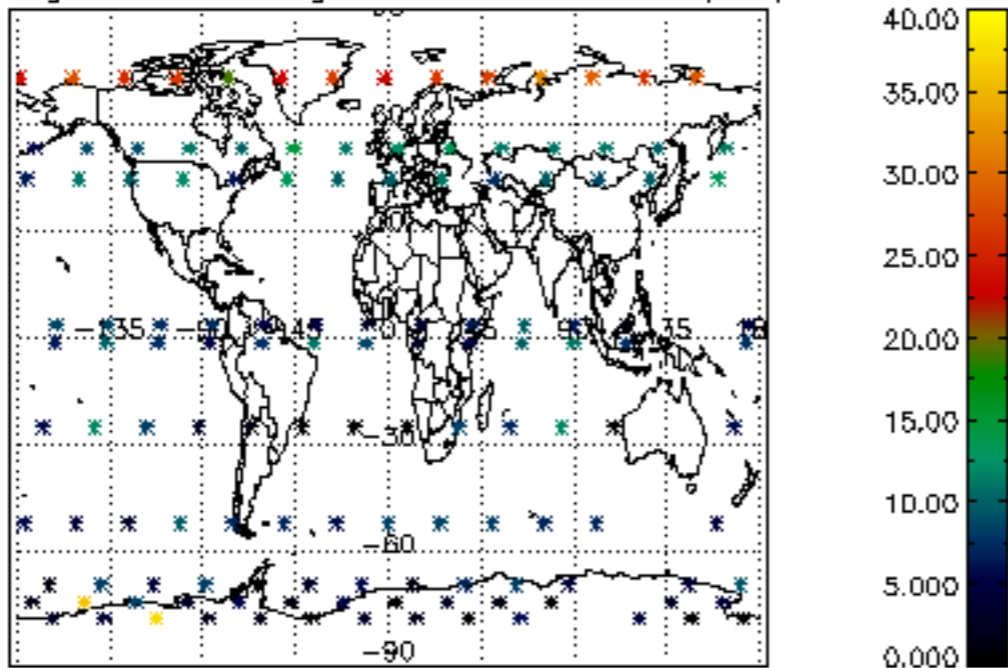
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

