

# 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 10:30:57
Data source version	GOMOS/6.01
Start time of products	21-08-2005 (21AUG2005 00:00:00)
Stop time of products	22-08-2005 (22AUG2005 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	171
Nb of prods with errors	1

## 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__2PRFIN20050821_000010_000000502040_00073_18163_5985.N1	21-AUG-2005 00:00:10	Twilight	49.500	151	13Mu Gem	2.8900	3000.0	99	18163	No
2	GOM_NL__2PRFIN20050821_000148_000000452040_00073_18163_5986.N1	21-AUG-2005 00:01:48	Twilight	44.500	44	24Gam Gem	1.9280	11000.	89	18163	No
3	GOM_NL__2PRFIN20050821_001159_000000422040_00073_18163_5987.N1	21-AUG-2005 00:11:59	Dark	41.500	47	2Bet CMa	1.9760	28000.	83	18163	No
4	GOM_NL__2PRFIN20050821_001739_000000422040_00073_18163_5988.N1	21-AUG-2005 00:17:39	Dark	42.000	108	Alp Col	2.6520	15200.	84	18163	No
5	GOM_NL__2PRFIN20050821_003147_000000462040_00074_18164_5977.N1	21-AUG-2005 00:31:47	Dark	45.500	9	Alp Eri	0.45300	24000.	91	18164	No
6	GOM_NL__2PRFIN20050821_003958_000000562040_00074_18164_5978.N1	21-AUG-2005 00:39:58	Straylight	55.500	63	Bet Gru	2.1500	2800.0	111	18164	No
7	GOM_NL__2PRFIN20050821_004338_000000422040_00074_18164_5979.N1	21-AUG-2005 00:43:38	Straylight	41.500	172	Gam Gru	3.0030	13100.	83	18164	No
8	GOM_NL__2PRFIN20050821_005003_000000422040_00074_18164_5980.N1	21-AUG-2005 00:50:03	Bright	41.500	142	49Del Cap	2.8500	8900.0	83	18164	No
9	GOM_NL__2PRFIN20050821_005323_000000402040_00074_18164_5981.N1	21-AUG-2005 00:53:23	Bright	40.000	154	22Bet Aqr	2.8990	5700.0	80	18164	No
10	GOM_NL__2PRFIN20050821_010455_000000372040_00074_18164_5982.N1	21-AUG-2005 01:04:55	Bright	37.000	92	53Eps Cyg	2.5000	4500.0	74	18164	No
11	GOM_NL__2PRFIN20050821_010807_000000362040_00074_18164_5983.N1	21-AUG-2005 01:08:07	Bright	36.000	19	50Alp Cyg	1.2460	10500.	72	18164	No
12	GOM_NL__2PRFIN20050821_011323_000000382040_00074_18164_5984.N1	21-AUG-2005 01:13:23	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	18164	No
13	GOM_NL__2PRFIN20050821_014046_000000582040_00074_18164_5985.N1	21-AUG-2005 01:40:46	Twilight	58.000	151	13Mu Gem	2.8900	3000.0	116	18164	No
14	GOM_NL__2PRFIN20050821_014224_000000432040_00074_18164_5986.N1	21-AUG-2005 01:42:24	Twilight	43.000	44	24Gam Gem	1.9280	11000.	86	18164	No
15	GOM_NL__2PRFIN20050821_015816_000000422040_00074_18164_5987.N1	21-AUG-2005 01:58:16	Dark	41.500	108	Alp Col	2.6520	15200.	83	18164	No
16	GOM_NL__2PRFIN20050821_021224_000000562040_00075_18165_5977.N1	21-AUG-2005 02:12:24	Dark	55.500	9	Alp Eri	0.45300	24000.	111	18165	No
17	GOM_NL__2PRFIN20050821_022035_000000452040_00075_18165_5978.N1	21-AUG-2005 02:20:35	Straylight	45.000	63	Bet Gru	2.1500	2800.0	90	18165	No
18	GOM_NL__2PRFIN20050821_022415_000000392040_00075_18165_5979.N1	21-AUG-2005 02:24:15	Straylight	39.000	172	Gam Gru	3.0030	13100.	78	18165	No
19	GOM_NL__2PRFIN20050821_023039_000000412040_00075_18165_5980.N1	21-AUG-2005 02:30:39	Bright	41.000	142	49Del Cap	2.8500	8900.0	82	18165	No
20	GOM_NL__2PRFIN20050821_023359_000000412040_00075_18165_5981.N1	21-AUG-2005 02:33:59	Bright	40.500	154	22Bet Aqr	2.8990	5700.0	81	18165	No
21	GOM_NL__2PRFIN20050821_024531_000000392040_00075_18165_5982.N1	21-AUG-2005 02:45:31	Bright	39.000	92	53Eps Cyg	2.5000	4500.0	78	18165	No
22	GOM_NL__2PRFIN20050821_024843_000000372040_00075_18165_5983.N1	21-AUG-2005 02:48:43	Bright	36.500	19	50Alp Cyg	1.2460	10500.	73	18165	No
23	GOM_NL__2PRFIN20050821_025359_000000342040_00075_18165_5984.N1	21-AUG-2005 02:53:59	Bright	33.500	89	5Alp Cep	2.4510	8000.0	67	18165	No
24	GOM_NL__2PRFIN20050821_032123_000000582040_00075_18165_5985.N1	21-AUG-2005 03:21:23	Twilight	58.000	151	13Mu Gem	2.8900	3000.0	116	18165	No
25	GOM_NL__2PRFIN20050821_032300_000000452040_00075_18165_5986.N1	21-AUG-2005 03:23:00	Twilight	45.000	44	24Gam Gem	1.9280	11000.	90	18165	No
26	GOM_NL__2PRFIN20050821_033312_000000392040_00075_18165_5987.N1	21-AUG-2005 03:33:12	Dark	39.000	47	2Bet CMa	1.9760	28000.	78	18165	No
27	GOM_NL__2PRFIN20050821_033852_000000422040_00075_18165_5988.N1	21-AUG-2005 03:38:52	Dark	42.000	108	Alp Col	2.6520	15200.	84	18165	No
28	GOM_NL__2PRFIN20050821_035301_000000452040_00076_18166_5978.N1	21-AUG-2005 03:53:01	Dark	45.000	9	Alp Eri	0.45300	24000.	90	18166	No
29	GOM_NL__2PRFIN20050821_040111_000000452040_00076_18166_5979.N1	21-AUG-2005 04:01:11	Straylight	44.500	63	Bet Gru	2.1500	2800.0	89	18166	No
30	GOM_NL__2PRFIN20050821_040451_000000402040_00076_18166_5980.N1	21-AUG-2005 04:04:51	Straylight	39.500	172	Gam Gru	3.0030	13100.	79	18166	No
31	GOM_NL__2PRFIN20050821_041115_000000412040_00076_18166_5981.N1	21-AUG-2005 04:11:15	Bright	41.000	142	49Del Cap	2.8500	8900.0	82	18166	No
32	GOM_NL__2PRFIN20050821_041435_000000402040_00076_18166_5982.N1	21-AUG-2005 04:14:35	Bright	40.000	154	22Bet Aqr	2.8990	5700.0	80	18166	No
33	GOM_NL__2PRFIN20050821_042607_000000392040_00076_18166_5983.N1	21-AUG-2005 04:26:07	Bright	38.500	92	53Eps Cyg	2.5000	4500.0	77	18166	No
34	GOM_NL__2PRFIN20050821_042919_000000382040_00076_18166_5984.N1	21-AUG-2005 04:29:19	Bright	37.500	19	50Alp Cyg	1.2460	10500.	75	18166	No
35	GOM_NL__2PRFIN20050821_043434_000000372040_00076_18166_5985.N1	21-AUG-2005 04:34:34	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	18166	No
36	GOM_NL__2PRFIN20050821_050159_000000512040_00076_18166_5986.N1	21-AUG-2005 05:01:59	Twilight	51.000	151	13Mu Gem	2.8900	3000.0	102	18166	No
37	GOM_NL__2PRFIN20050821_050336_000000442040_00076_18166_5987.N1	21-AUG-2005 05:03:36	Twilight	44.000	44	24Gam Gem	1.9280	11000.	88	18166	No
38	GOM_NL__2PRFIN20050821_051349_000000402040_00076_18166_5988.N1	21-AUG-2005 05:13:49	Dark	40.000	47	2Bet CMa	1.9760	28000.	80	18166	No
39	GOM_NL__2PRFIN20050821_051929_000000432040_00076_18166_5989.N1	21-AUG-2005 05:19:29	Dark	42.500	108	Alp Col	2.6520	15200.	85	18166	No
40	GOM_NL__2PRFIN20050821_053337_000000452040_00077_18167_6000.N1	21-AUG-2005 05:33:37	Dark	45.000	9	Alp Eri	0.45300	24000.	90	18167	No
41	GOM_NL__2PRFIN20050821_054148_000000532040_00077_18167_6001.N1	21-AUG-2005 05:41:48	Straylight	52.500	63	Bet Gru	2.1500	2800.0	105	18167	No
42	GOM_NL__2PRFIN20050821_054527_000000412040_00077_18167_6002.N1	21-AUG-2005 05:45:27	Straylight	40.500	172	Gam Gru	3.0030	13100.	81	18167	No



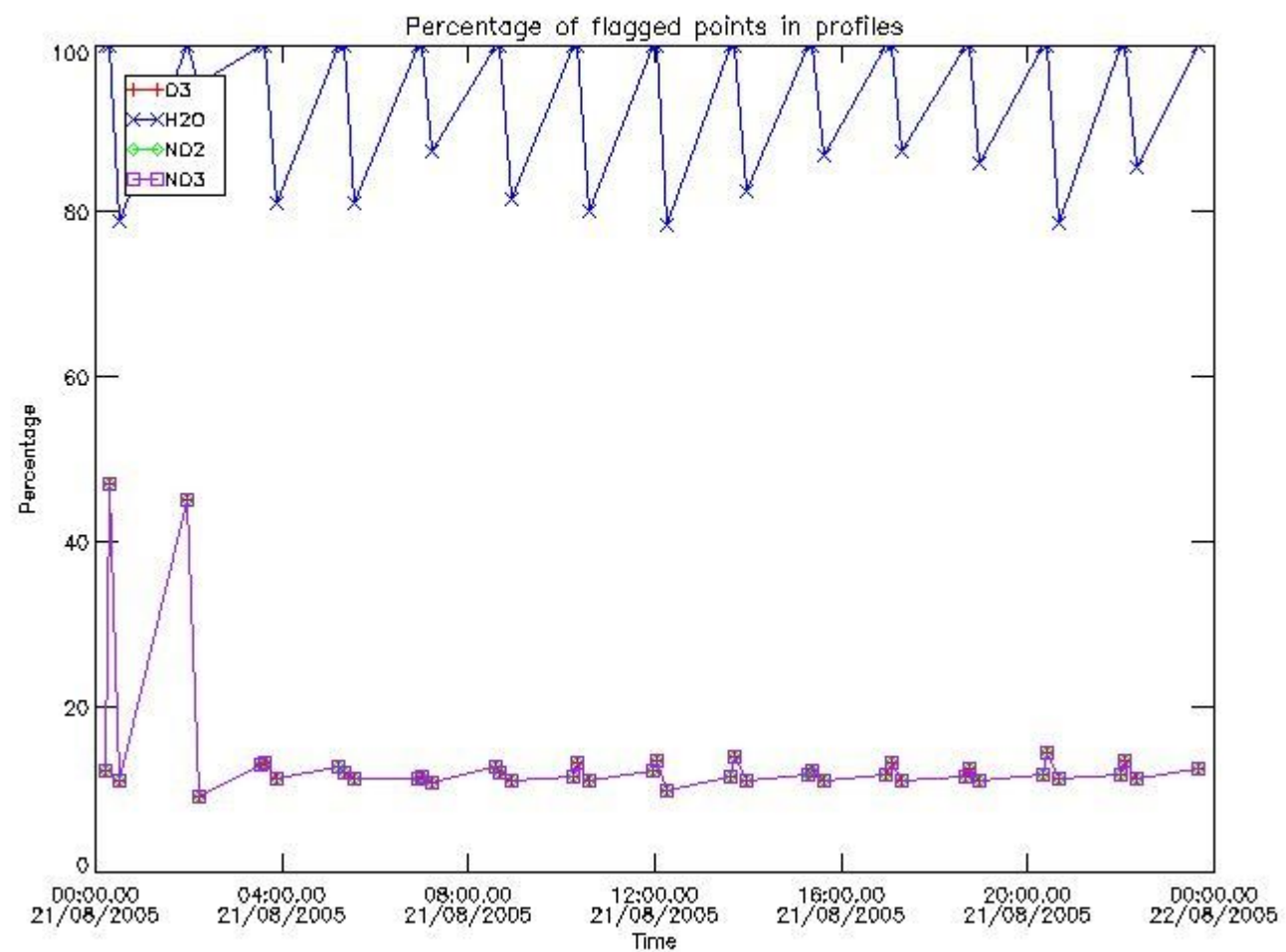


161	GOM_NL__2PRFIN20050821_222751_000000552040_00087_18177_6024.N1	21-AUG-2005 22:27:51	Straylight	54.500	63	Bet Gru	2.1500	2800.0	109	18177	No
162	GOM_NL__2PRFIN20050821_223129_000000382040_00087_18177_6025.N1	21-AUG-2005 22:31:29	Straylight	38.000	172	Gam Gru	3.0030	13100.	76	18177	No
163	GOM_NL__2PRFIN20050821_223752_000000412040_00087_18177_6026.N1	21-AUG-2005 22:37:52	Bright	40.500	142	49Del Cap	2.8500	8900.0	81	18177	No
164	GOM_NL__2PRFIN20050821_224110_000000412040_00087_18177_6027.N1	21-AUG-2005 22:41:10	Bright	40.500	154	22Bet Aqr	2.8990	5700.0	81	18177	No
165	GOM_NL__2PRFIN20050821_225241_000000372040_00087_18177_6028.N1	21-AUG-2005 22:52:41	Bright	37.000	92	53Eps Cyg	2.5000	4500.0	74	18177	No
166	GOM_NL__2PRFIN20050821_225553_000000362040_00087_18177_6029.N1	21-AUG-2005 22:55:53	Bright	36.000	19	50Alp Cyg	1.2460	10500.	72	18177	No
167	GOM_NL__2PRFIN20050821_230107_000000382040_00087_18177_6030.N1	21-AUG-2005 23:01:07	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	18177	No
168	GOM_NL__2PRFIN20050821_232837_000000532040_00087_18177_6031.N1	21-AUG-2005 23:28:37	Twilight_stray	53.000	151	13Mu Gem	2.8900	3000.0	106	18177	No
169	GOM_NL__2PRFIN20050821_233015_000000472040_00087_18177_6032.N1	21-AUG-2005 23:30:15	Twilight_stray	47.000	44	24Gam Gem	1.9280	11000.	94	18177	No
170	GOM_NL__2PRFIN20050821_234030_000000412040_00087_18177_6033.N1	21-AUG-2005 23:40:30	Dark	41.000	47	2Bet CMa	1.9760	28000.	82	18177	No
171	GOM_NL__2PRFIN20050821_234400_000000232040_00087_18177_6034.N1	21-AUG-2005 23:44:00	Dark	22.500	177	1Zet CMa	3.0220	26000.	45	18177	Yes

### 3. Quality information per product

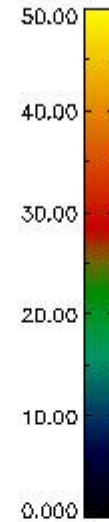
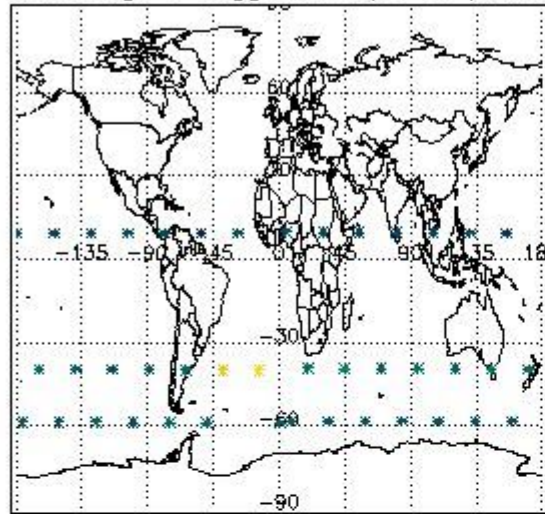
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

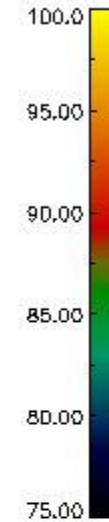
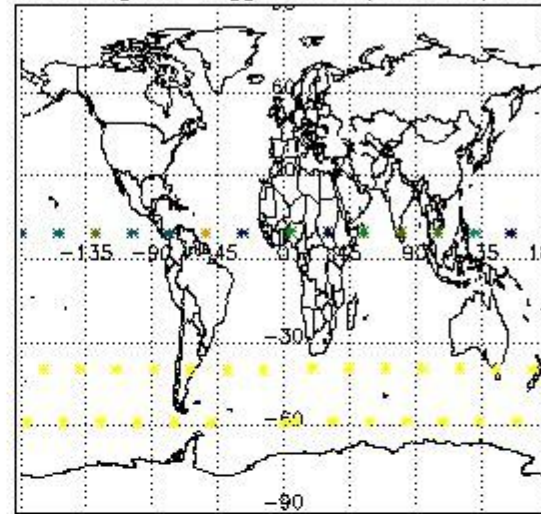


#### 3.2 Plot quality information per product (world map)

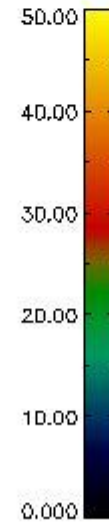
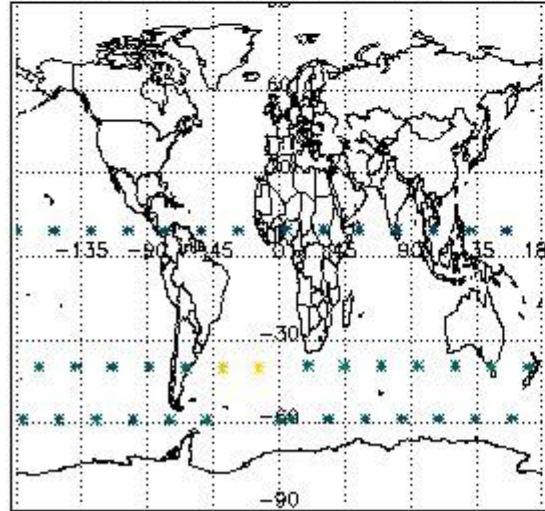
Percentage of flagged data per O3 profile



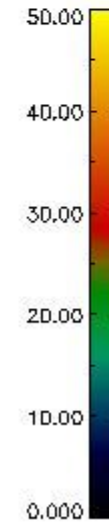
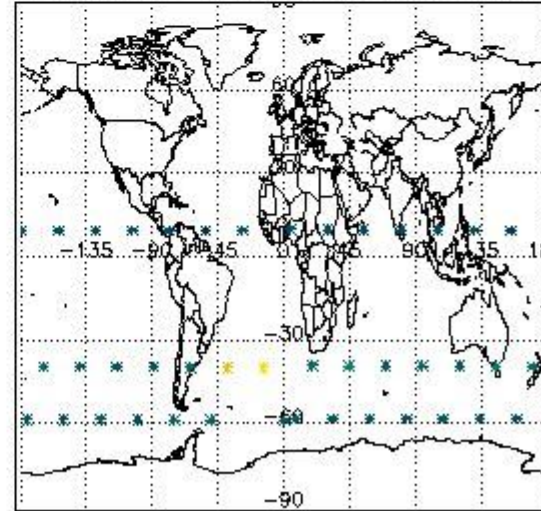
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

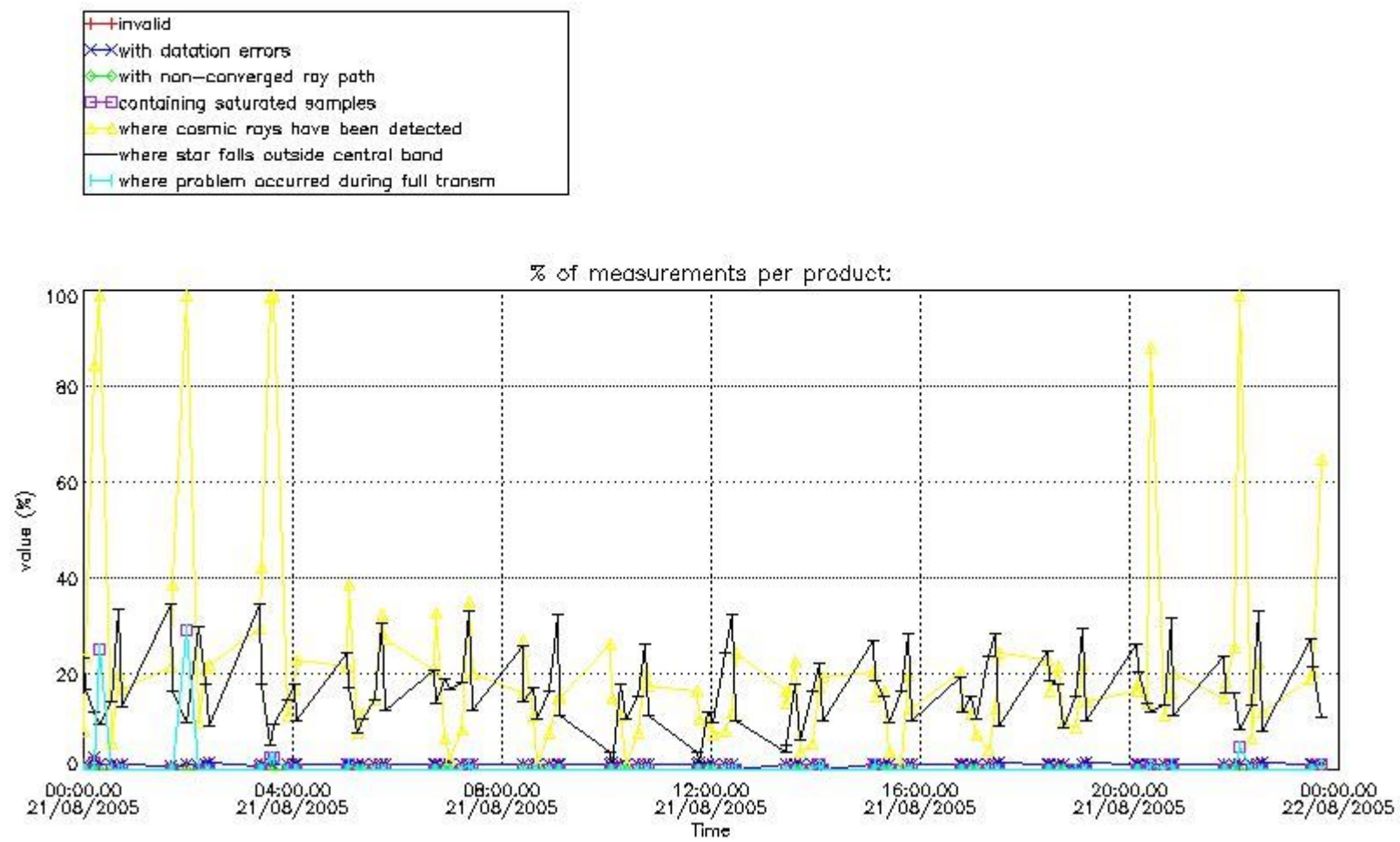


#### 4. Level 1 quality information per product

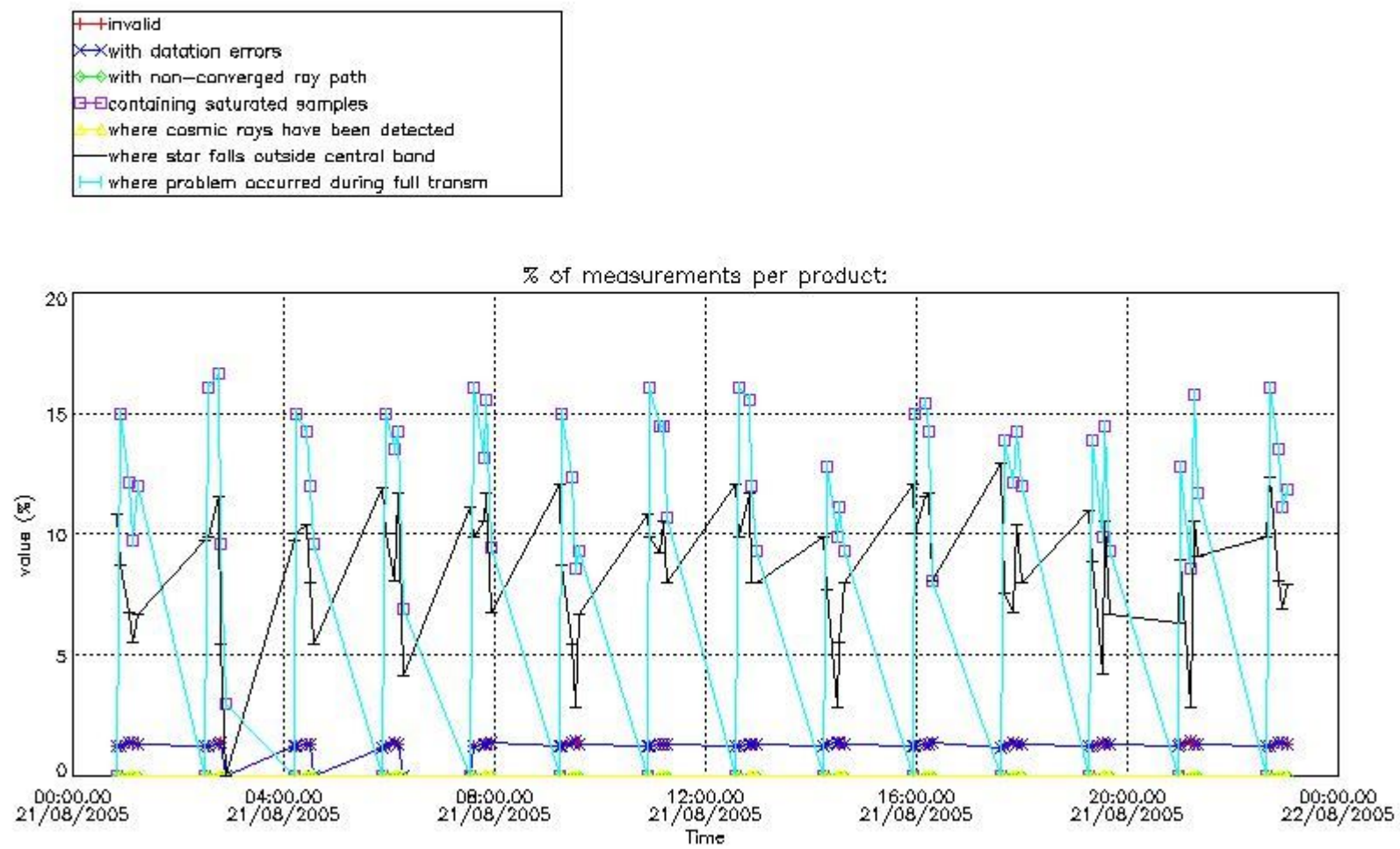
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



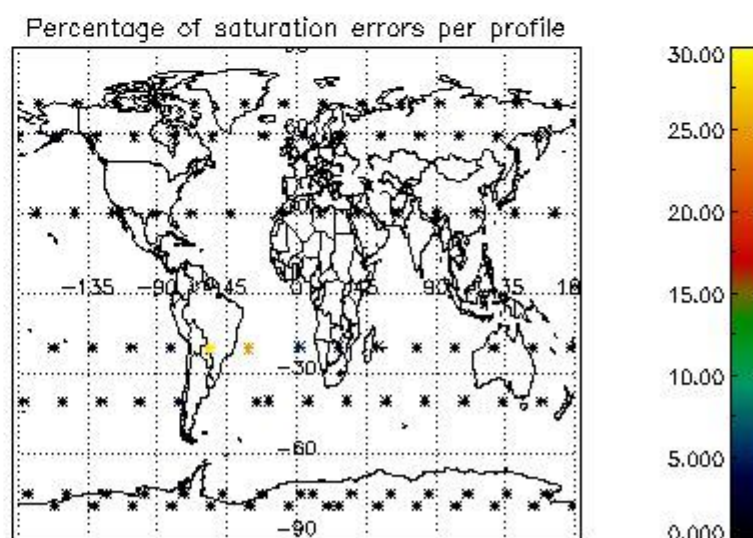
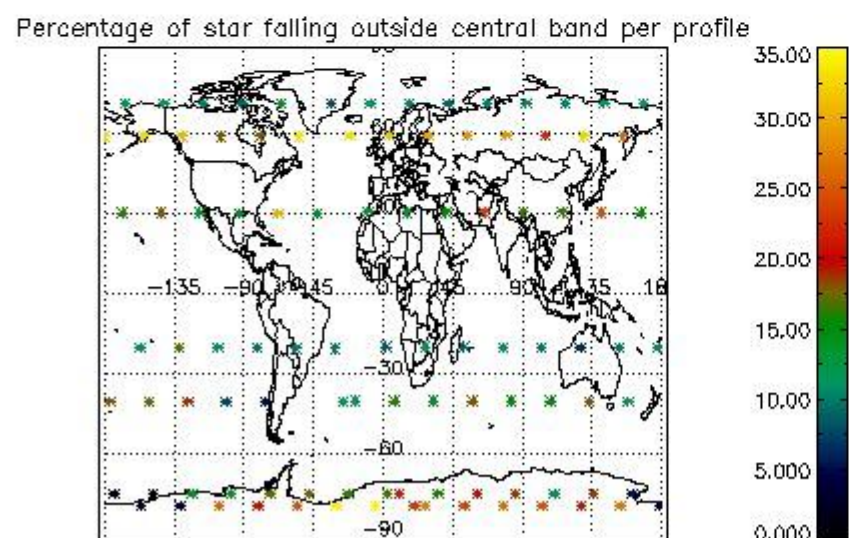
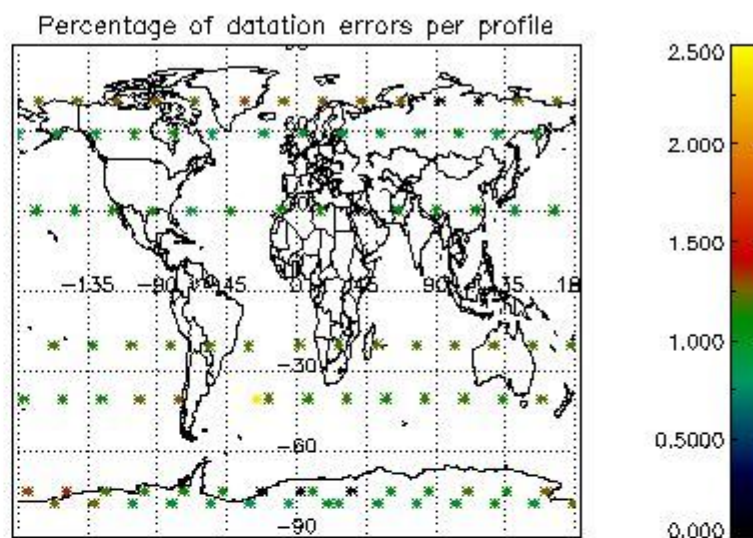
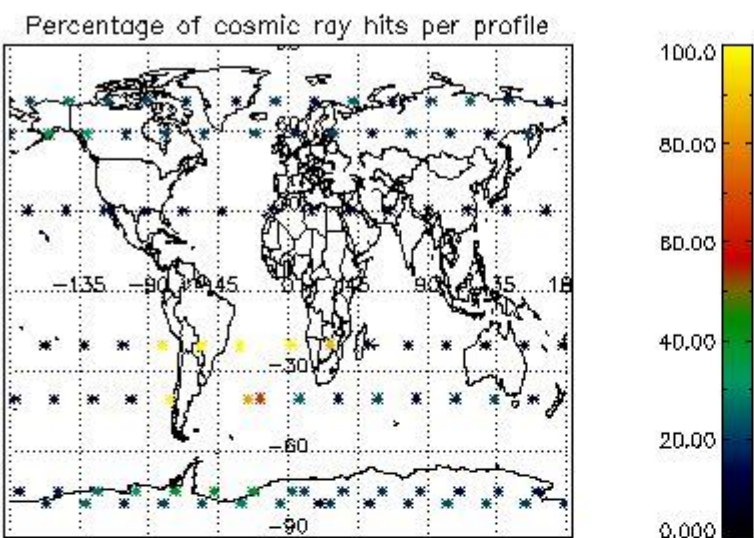
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



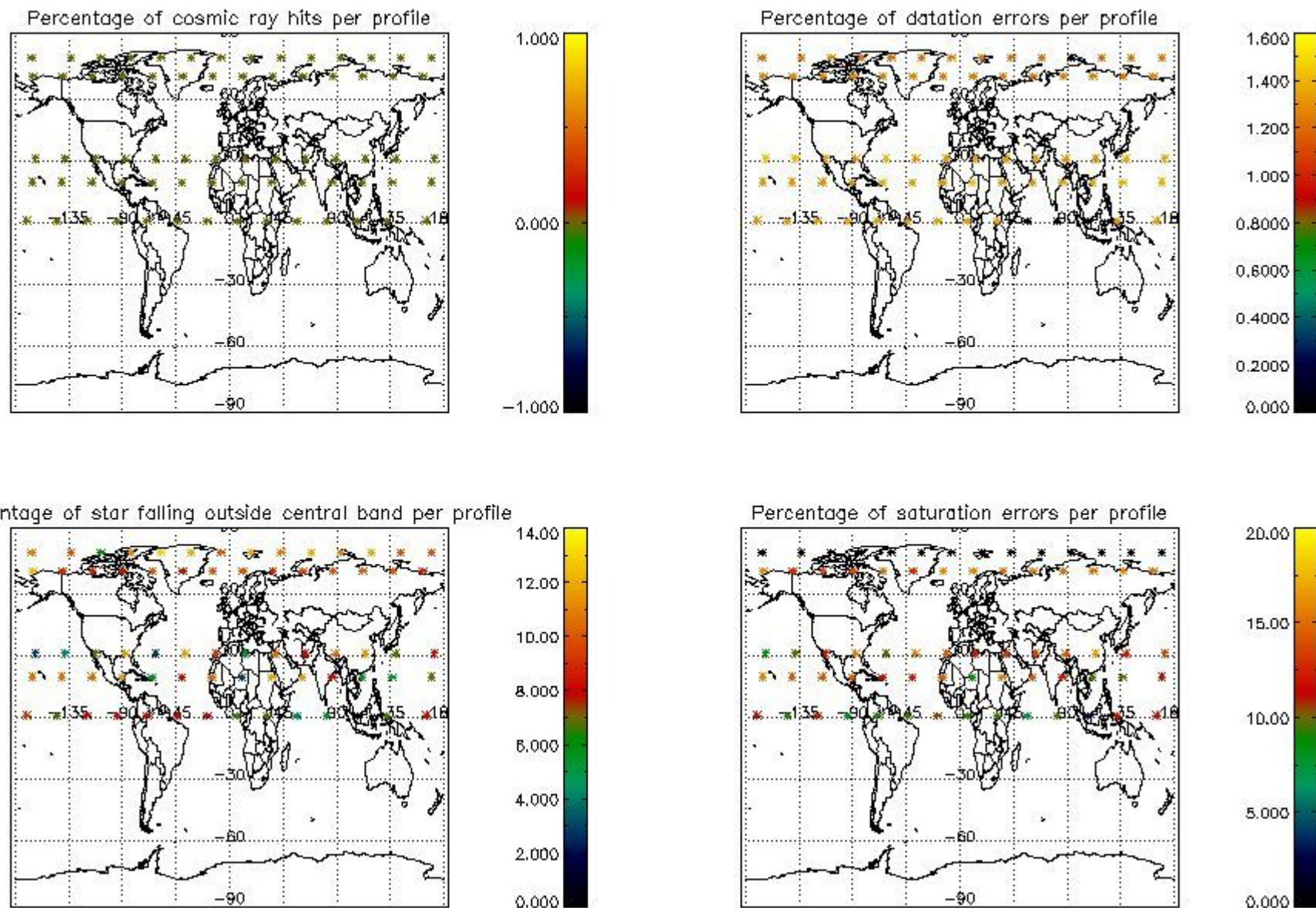
#### 4.2 Plot quality information per product coming from level 1b processing (world map)

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





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



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

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

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

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

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

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

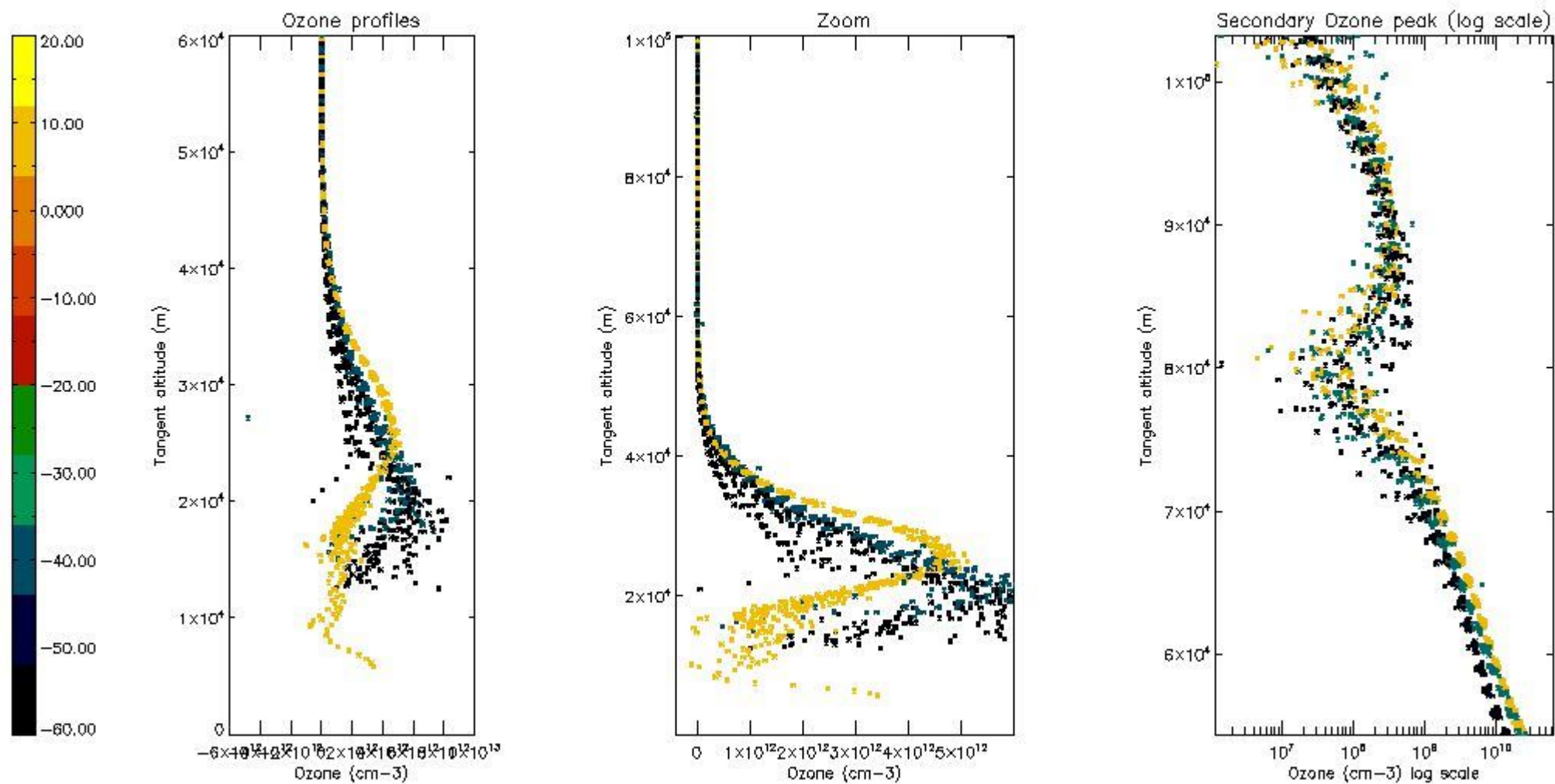
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	26
STD < 20	18

STD < 10	16
STD < 5	13

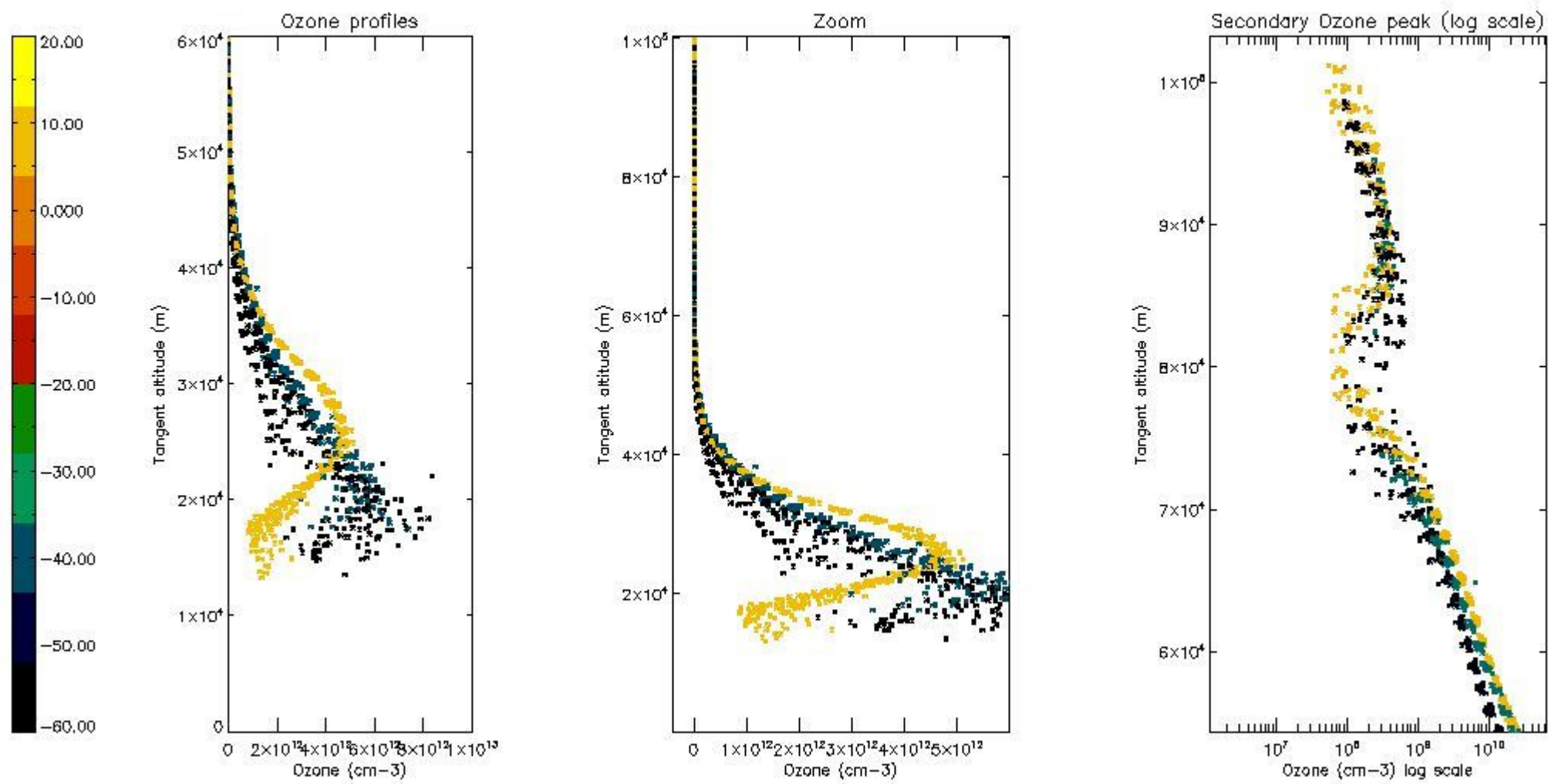
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



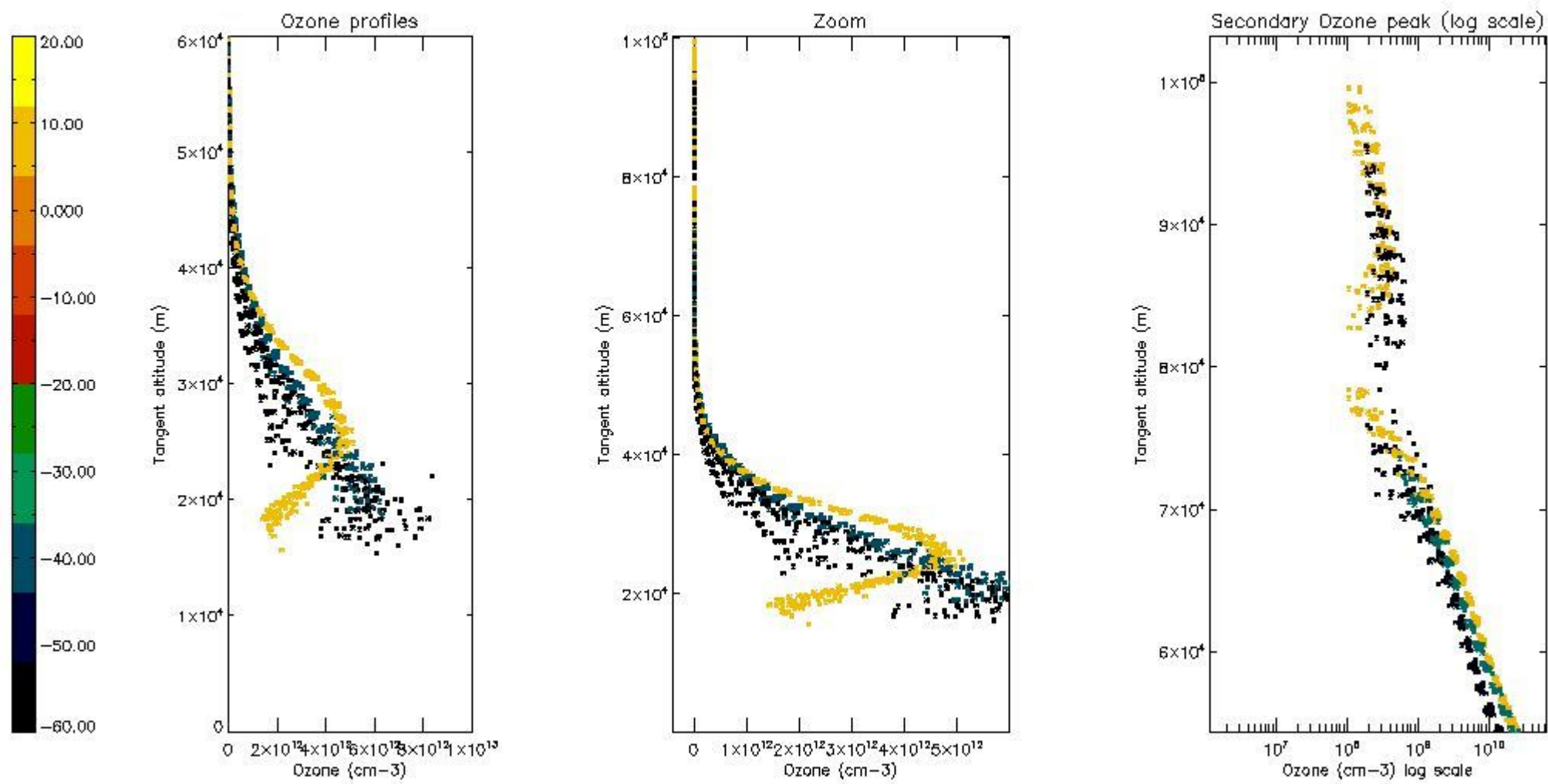
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



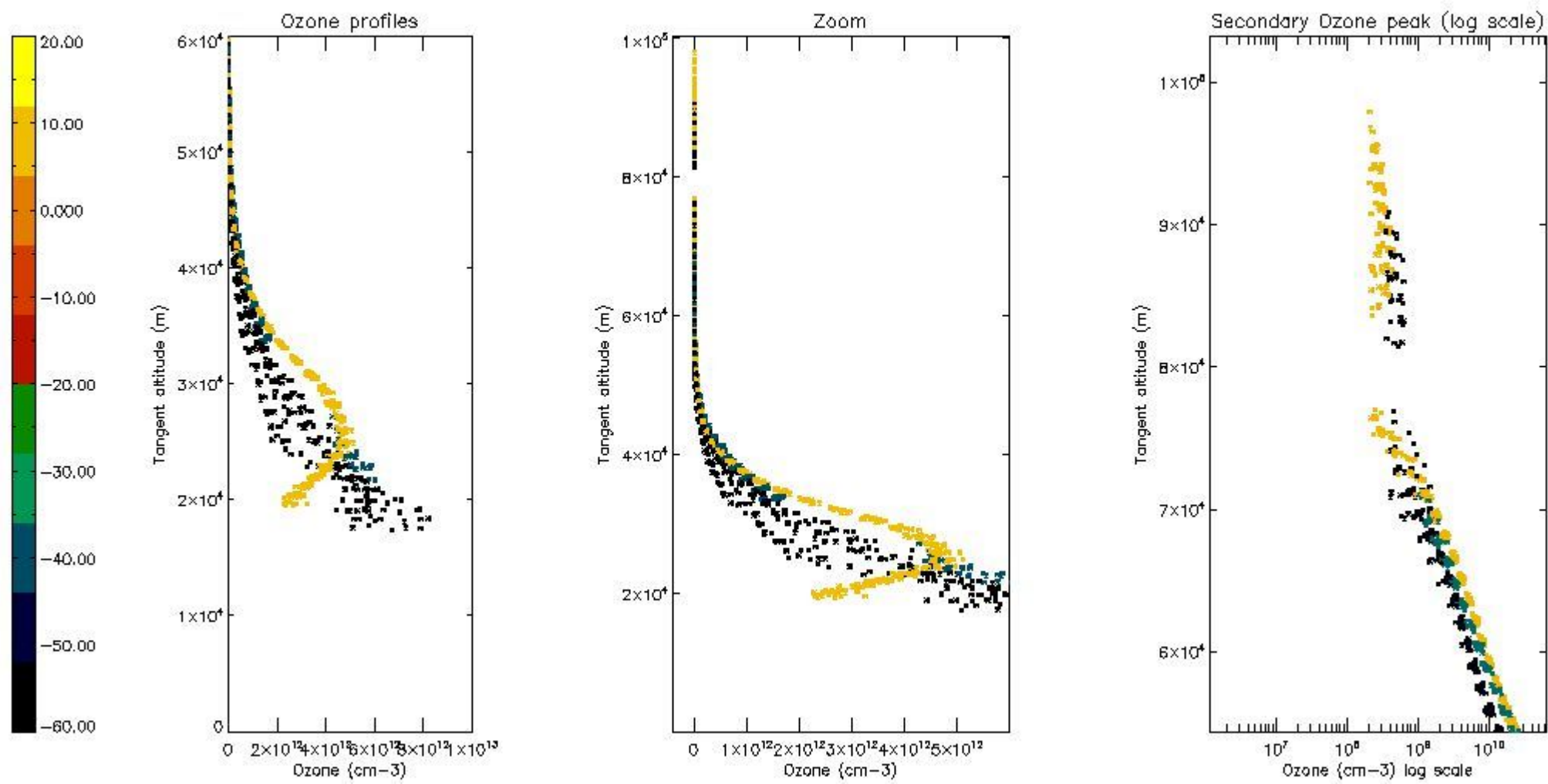
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



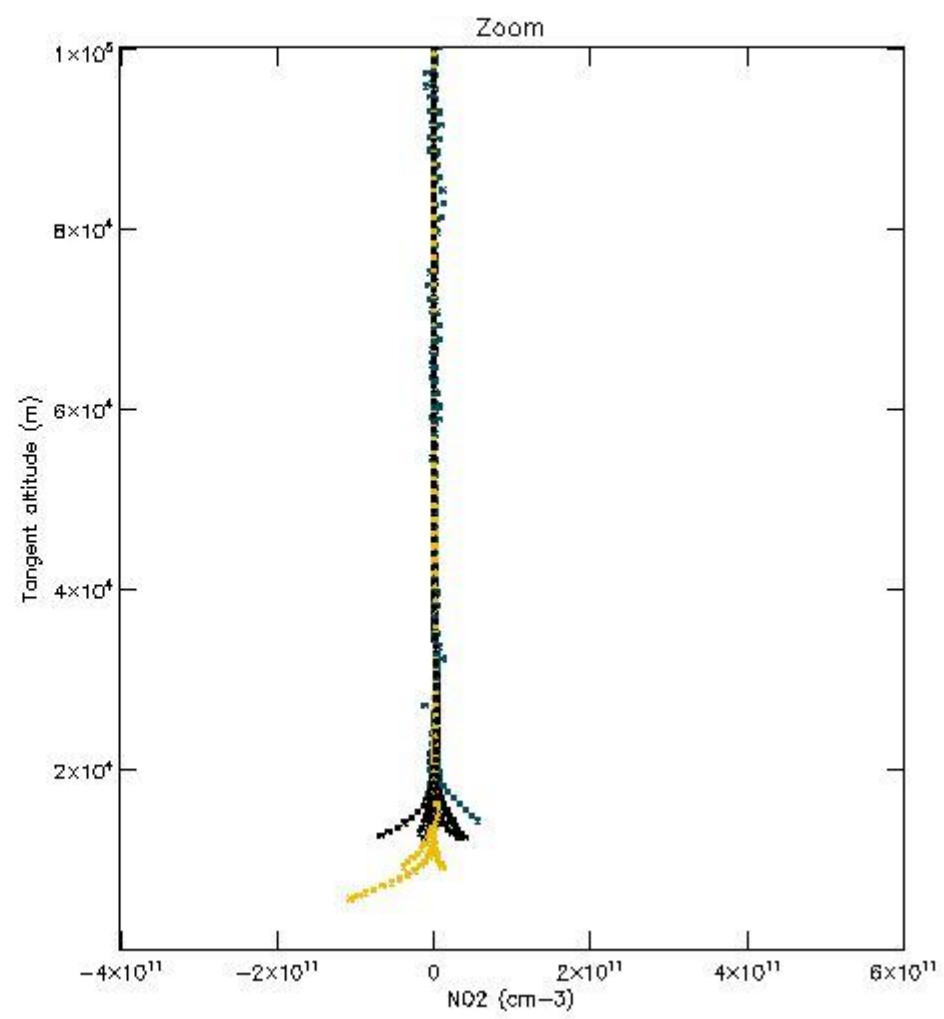
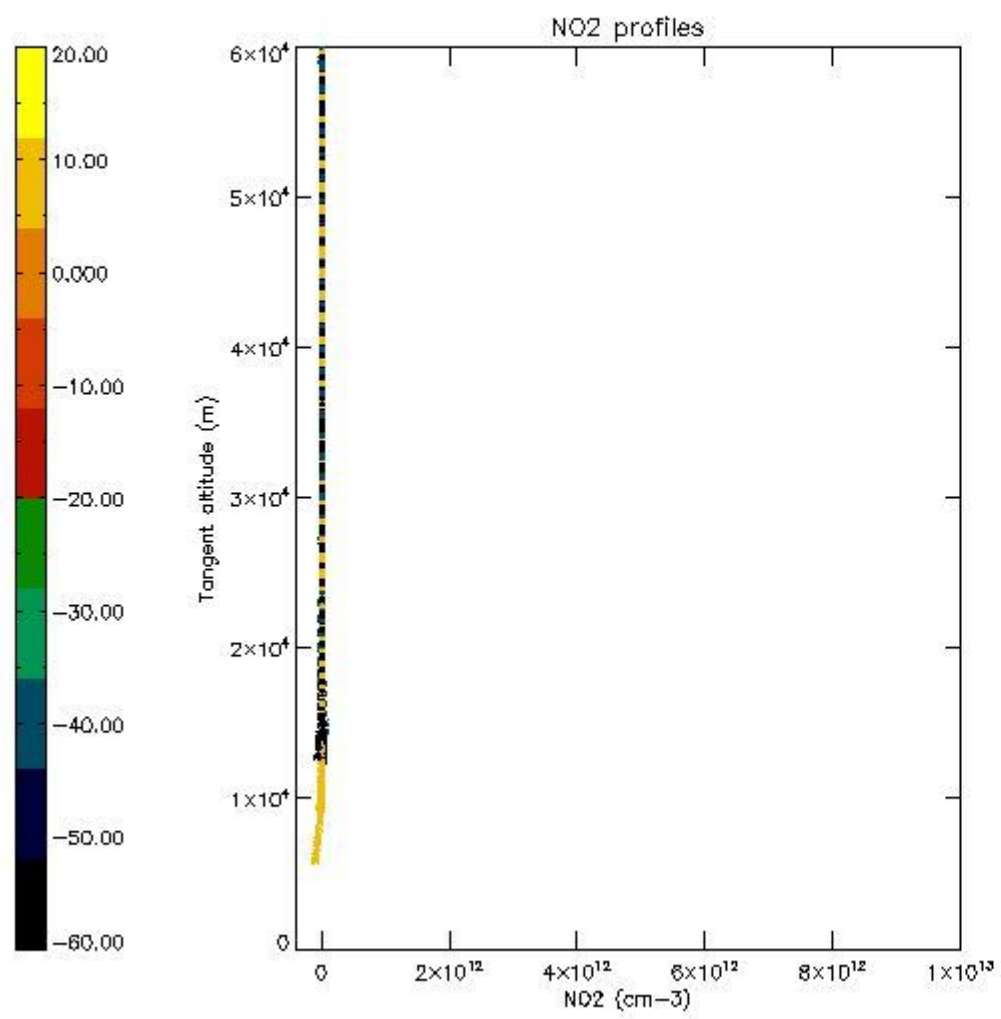
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



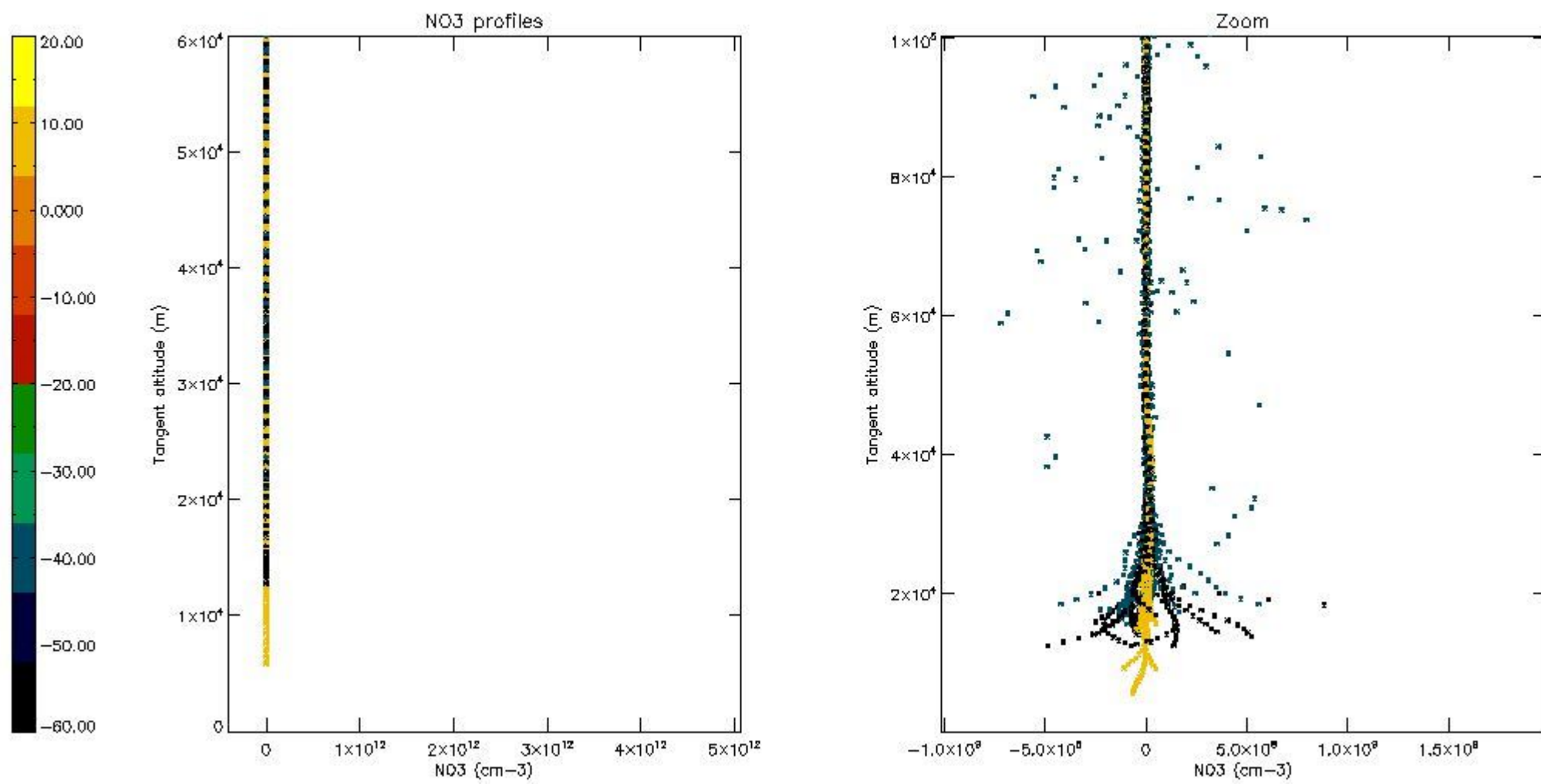
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

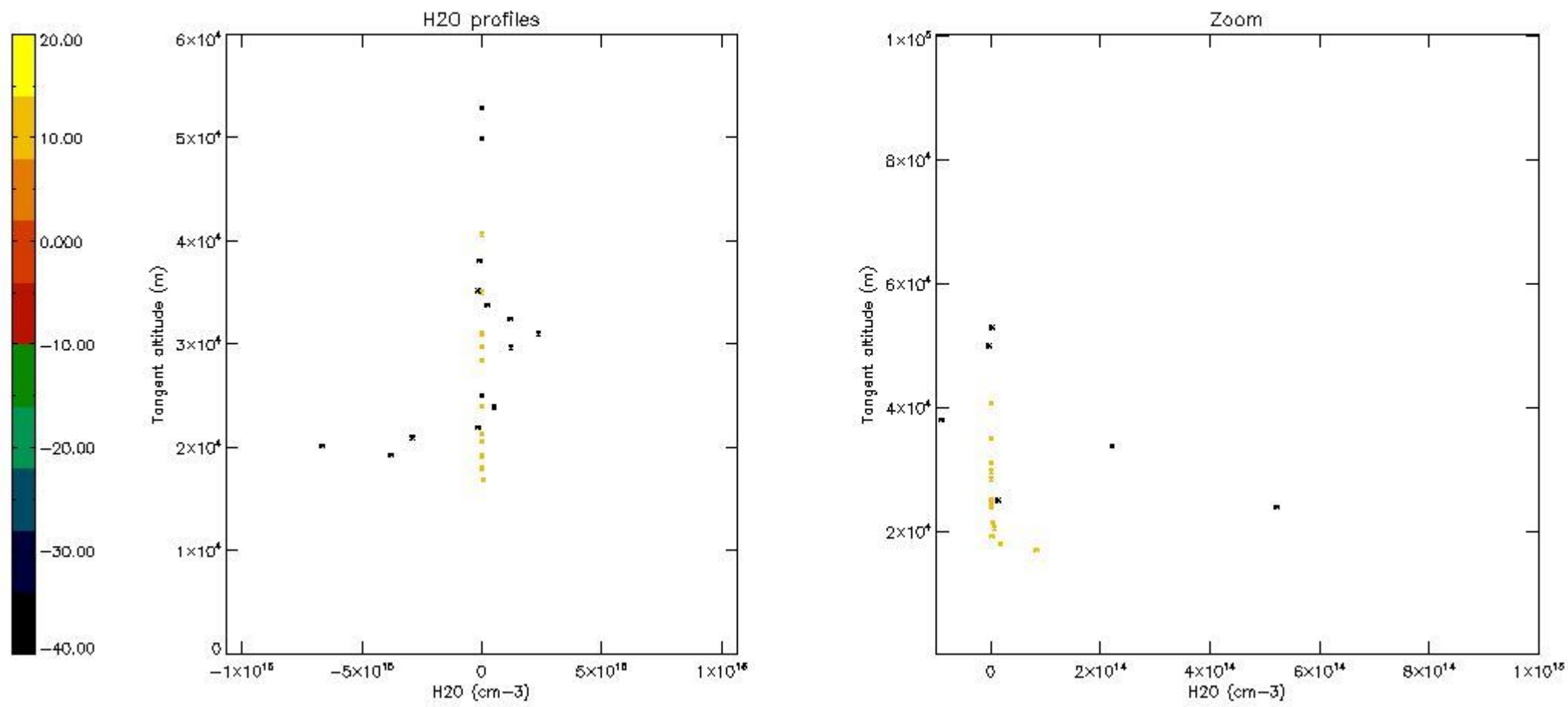
The colorbar represents the latitude.



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	21-AUG-2005 00:00:10
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	21-AUG-2005 00:00:10
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	21-AUG-2005 00:00:10

# 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](#)





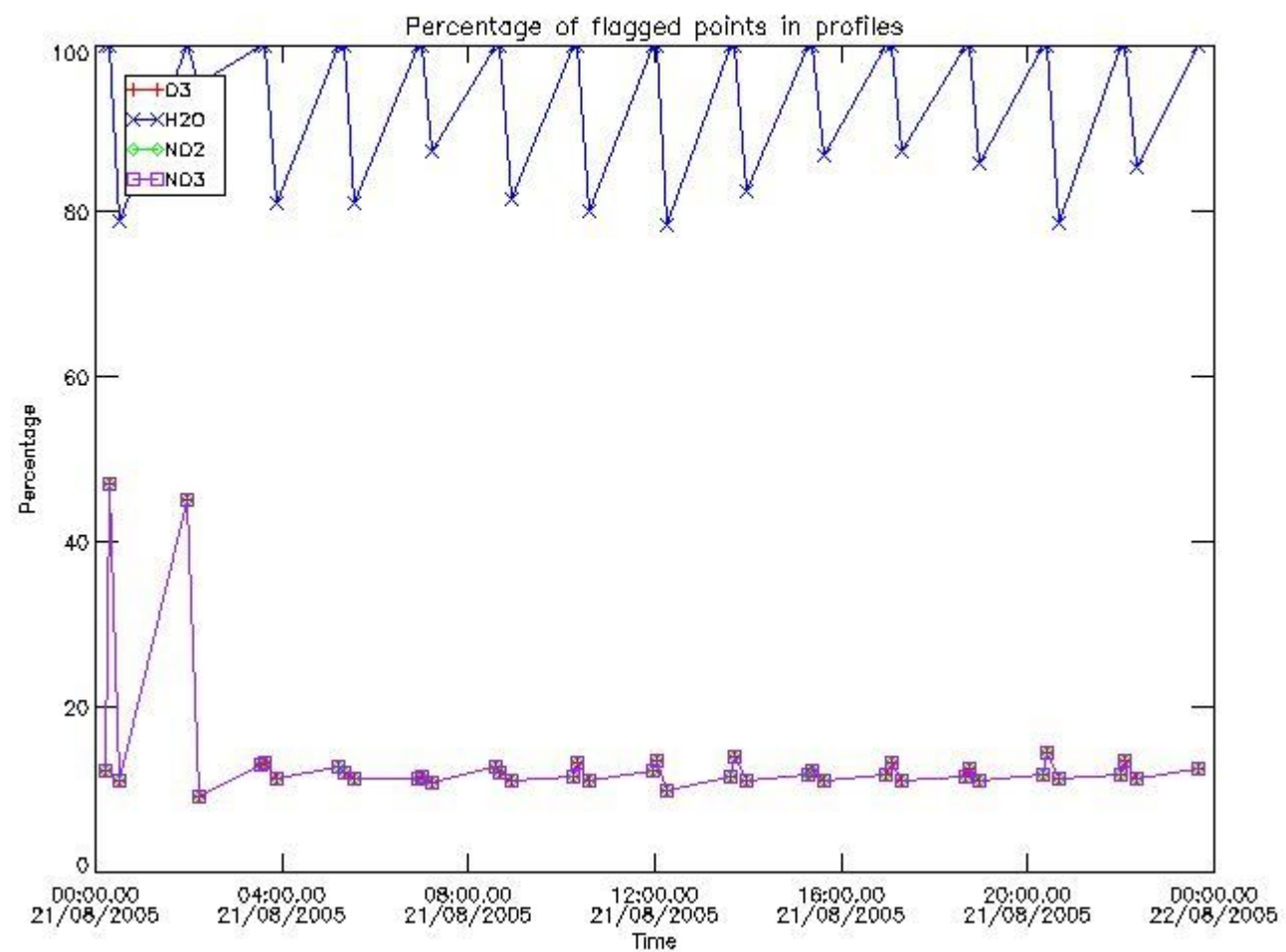


161	GOM_NL__2PRFIN20050821_222751_000000552040_00087_18177_6024.N1	21-AUG-2005 22:27:51	Straylight	54.500	63	Bet Gru	2.1500	2800.0	109	18177	No
162	GOM_NL__2PRFIN20050821_223129_000000382040_00087_18177_6025.N1	21-AUG-2005 22:31:29	Straylight	38.000	172	Gam Gru	3.0030	13100.	76	18177	No
163	GOM_NL__2PRFIN20050821_223752_000000412040_00087_18177_6026.N1	21-AUG-2005 22:37:52	Bright	40.500	142	49Del Cap	2.8500	8900.0	81	18177	No
164	GOM_NL__2PRFIN20050821_224110_000000412040_00087_18177_6027.N1	21-AUG-2005 22:41:10	Bright	40.500	154	22Bet Aqr	2.8990	5700.0	81	18177	No
165	GOM_NL__2PRFIN20050821_225241_000000372040_00087_18177_6028.N1	21-AUG-2005 22:52:41	Bright	37.000	92	53Eps Cyg	2.5000	4500.0	74	18177	No
166	GOM_NL__2PRFIN20050821_225553_000000362040_00087_18177_6029.N1	21-AUG-2005 22:55:53	Bright	36.000	19	50Alp Cyg	1.2460	10500.	72	18177	No
167	GOM_NL__2PRFIN20050821_230107_000000382040_00087_18177_6030.N1	21-AUG-2005 23:01:07	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	18177	No
168	GOM_NL__2PRFIN20050821_232837_000000532040_00087_18177_6031.N1	21-AUG-2005 23:28:37	Twilight_stray	53.000	151	13Mu Gem	2.8900	3000.0	106	18177	No
169	GOM_NL__2PRFIN20050821_233015_000000472040_00087_18177_6032.N1	21-AUG-2005 23:30:15	Twilight_stray	47.000	44	24Gam Gem	1.9280	11000.	94	18177	No
170	GOM_NL__2PRFIN20050821_234030_000000412040_00087_18177_6033.N1	21-AUG-2005 23:40:30	Dark	41.000	47	2Bet CMa	1.9760	28000.	82	18177	No
171	GOM_NL__2PRFIN20050821_234400_000000232040_00087_18177_6034.N1	21-AUG-2005 23:44:00	Dark	22.500	177	1Zet CMa	3.0220	26000.	45	18177	Yes

### 3. Quality information per product

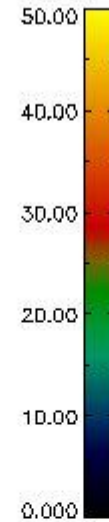
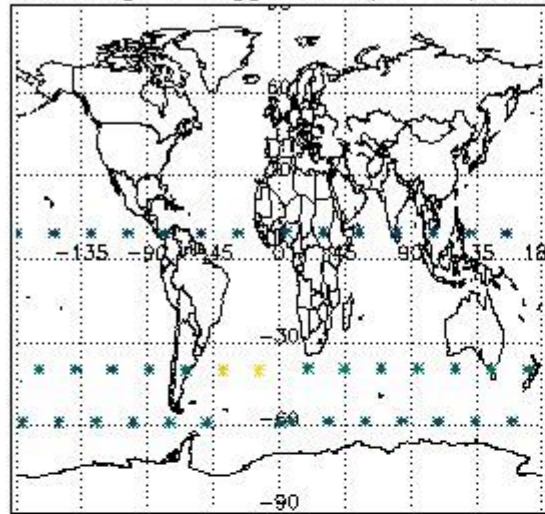
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

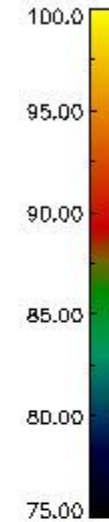
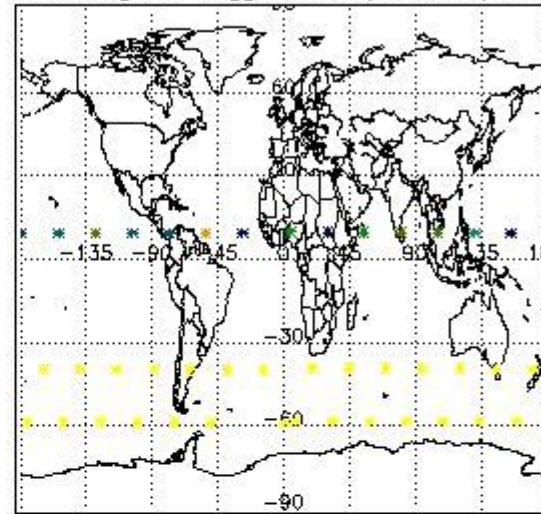


#### 3.2 Plot quality information per product (world map)

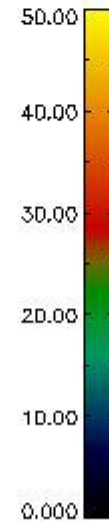
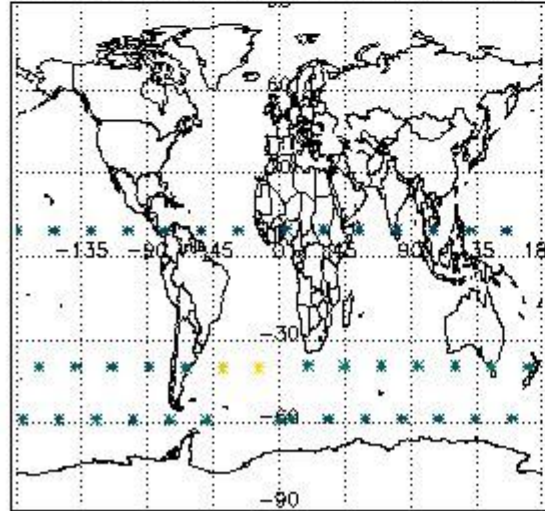
Percentage of flagged data per O3 profile



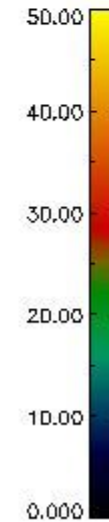
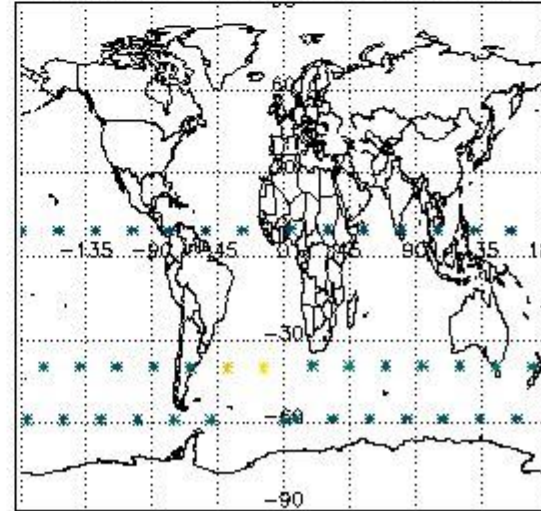
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

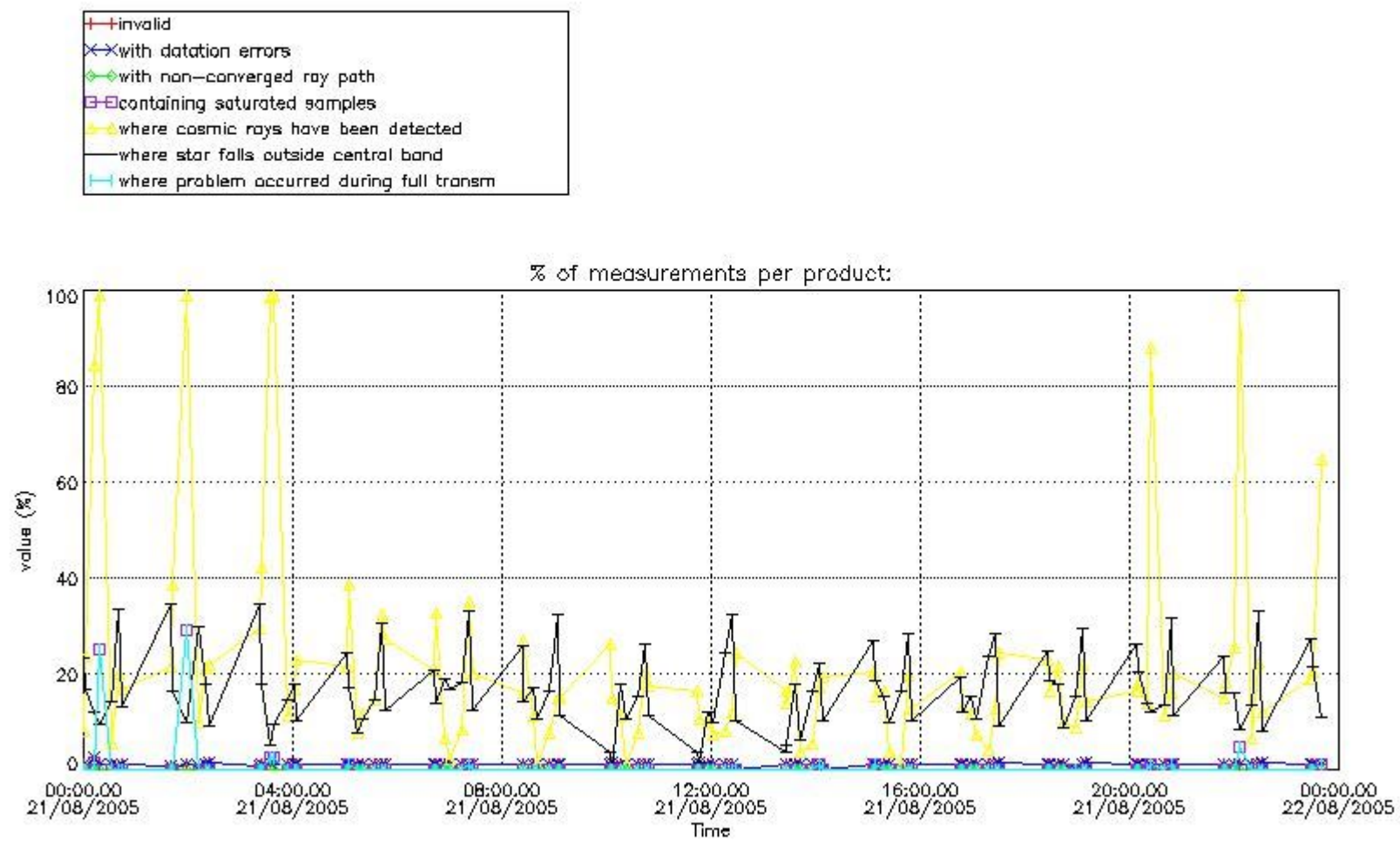


#### 4. Level 1 quality information per product

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.

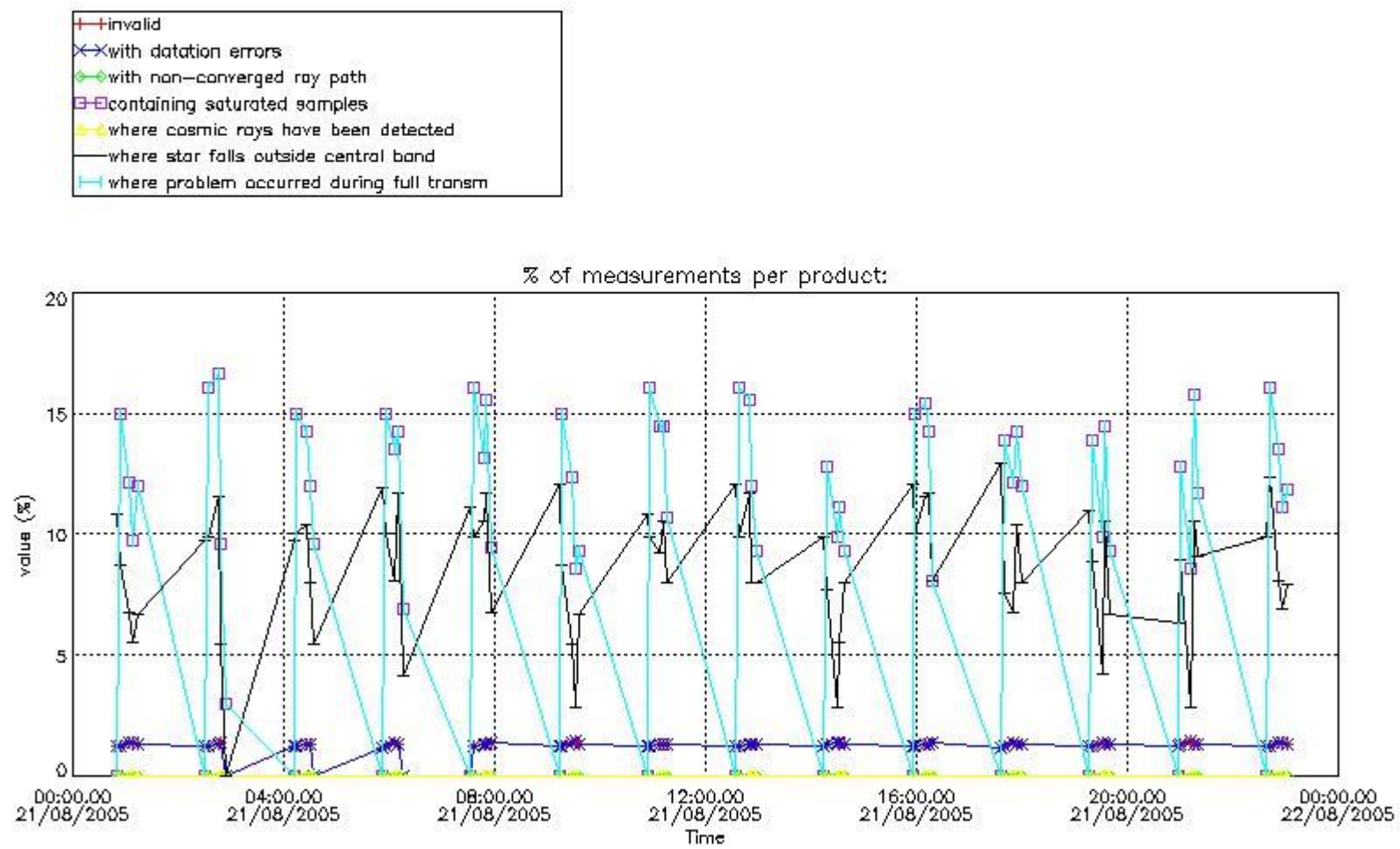
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

###### 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

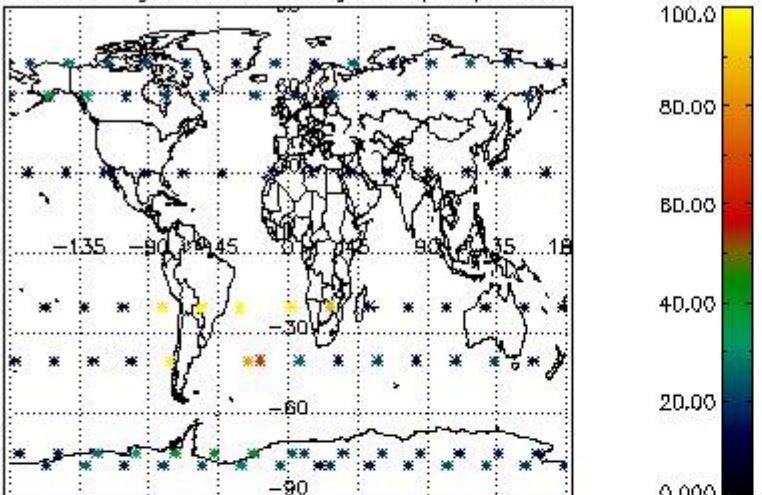




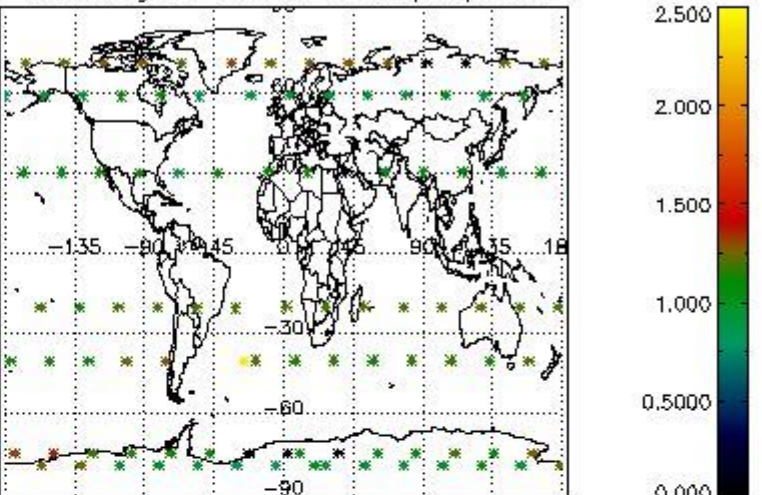
*4.2 Plot quality information per product coming from level 1b processing (world map)*

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

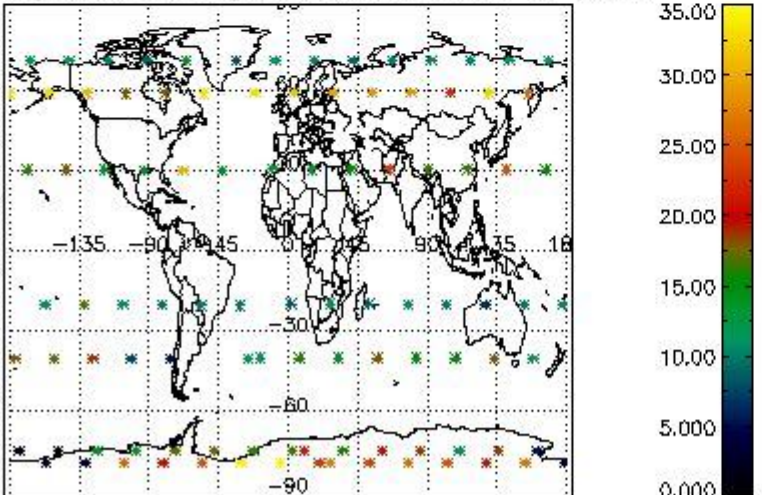
Percentage of cosmic ray hits per profile



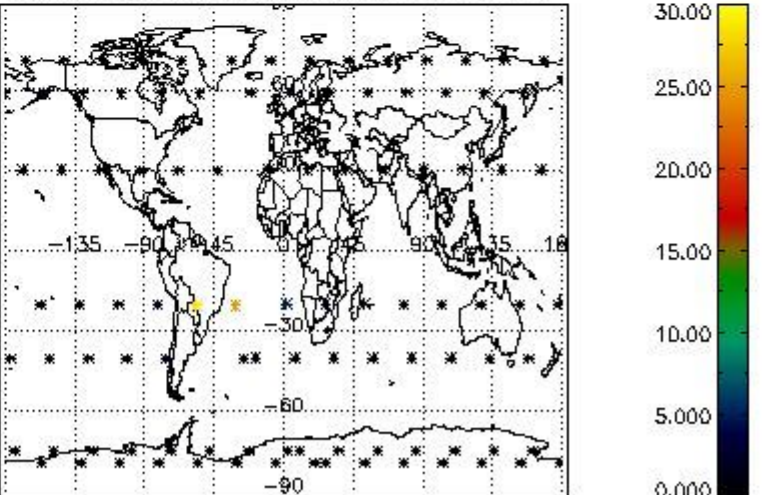
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

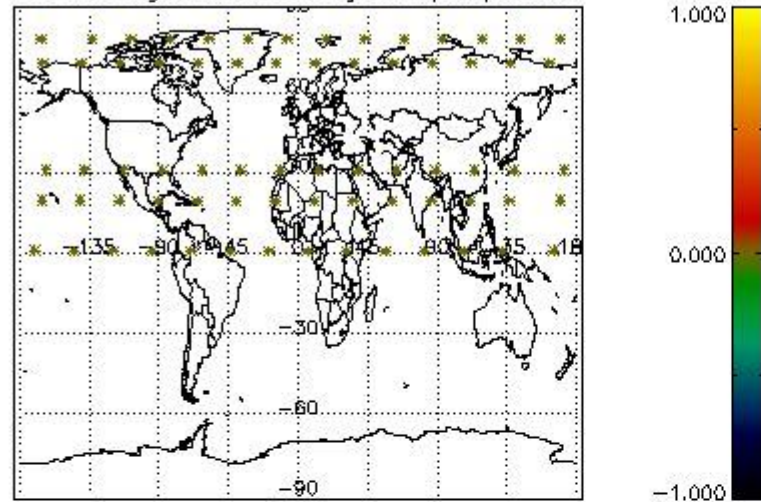


Percentage of saturation errors per profile

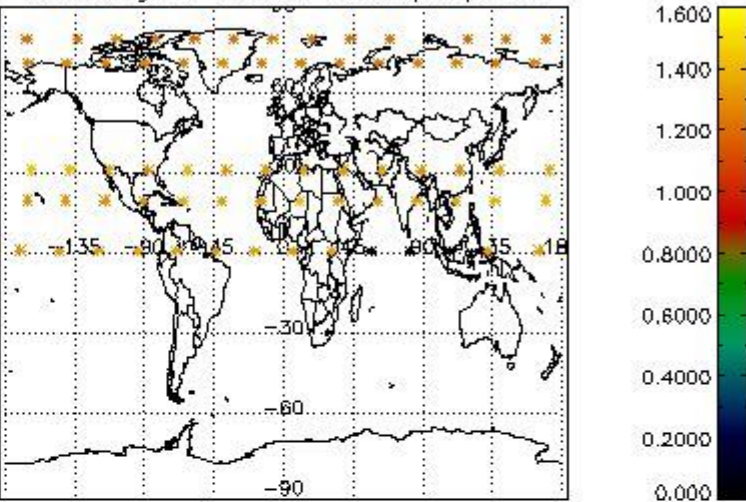


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

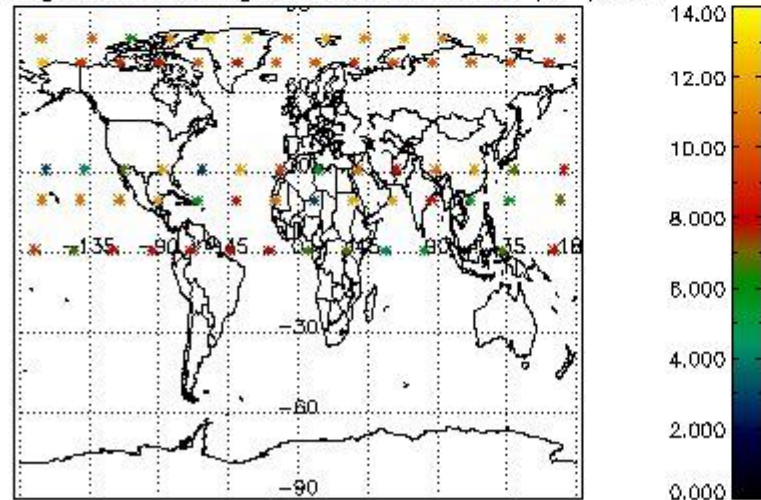
Percentage of cosmic ray hits per profile



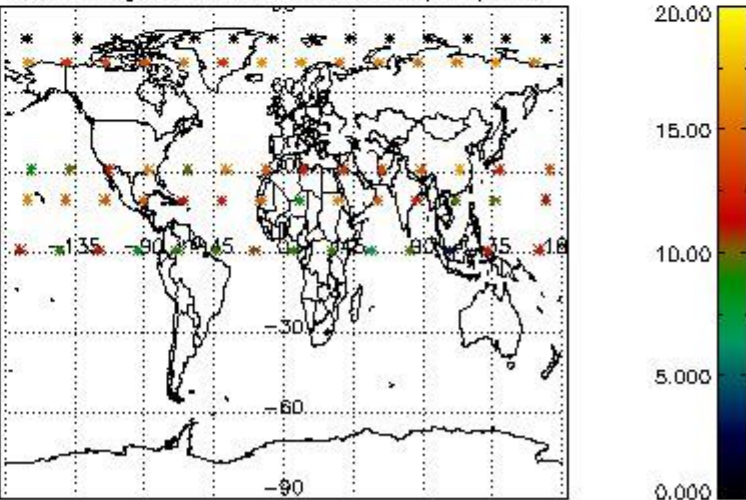
Percentage of datation errors per profile



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

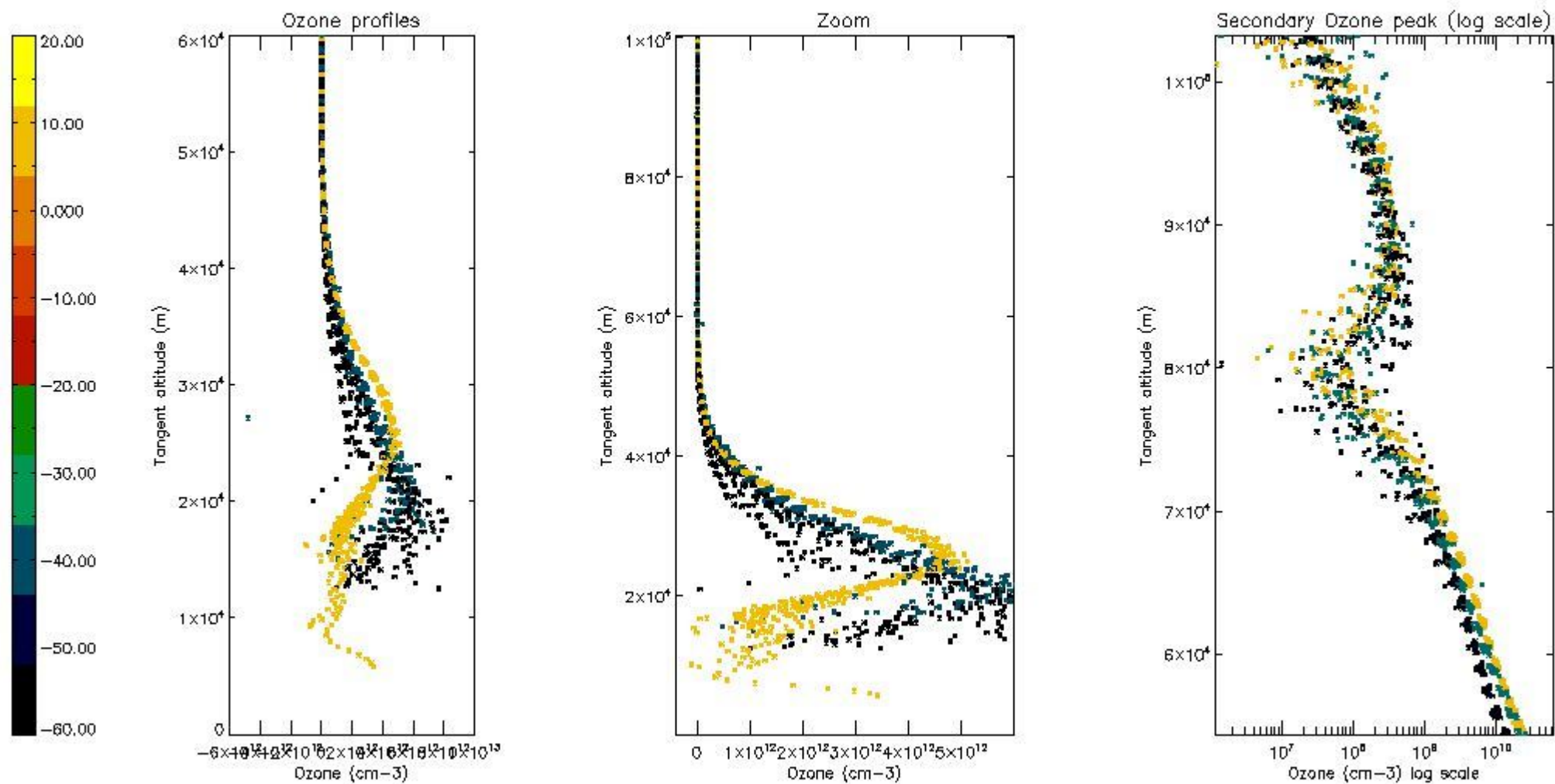
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	26
STD < 20	18

STD < 10	16
STD < 5	13

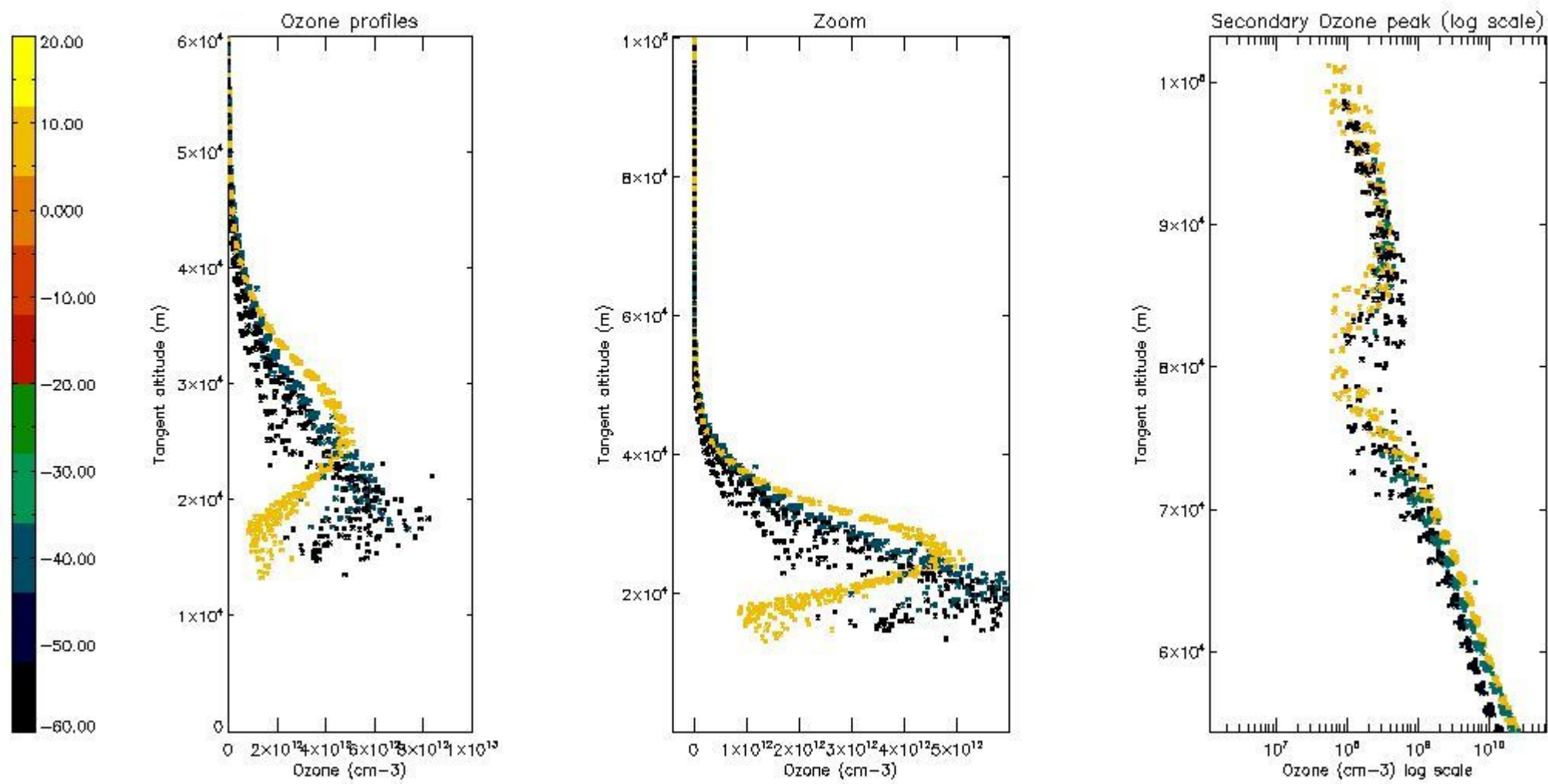
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



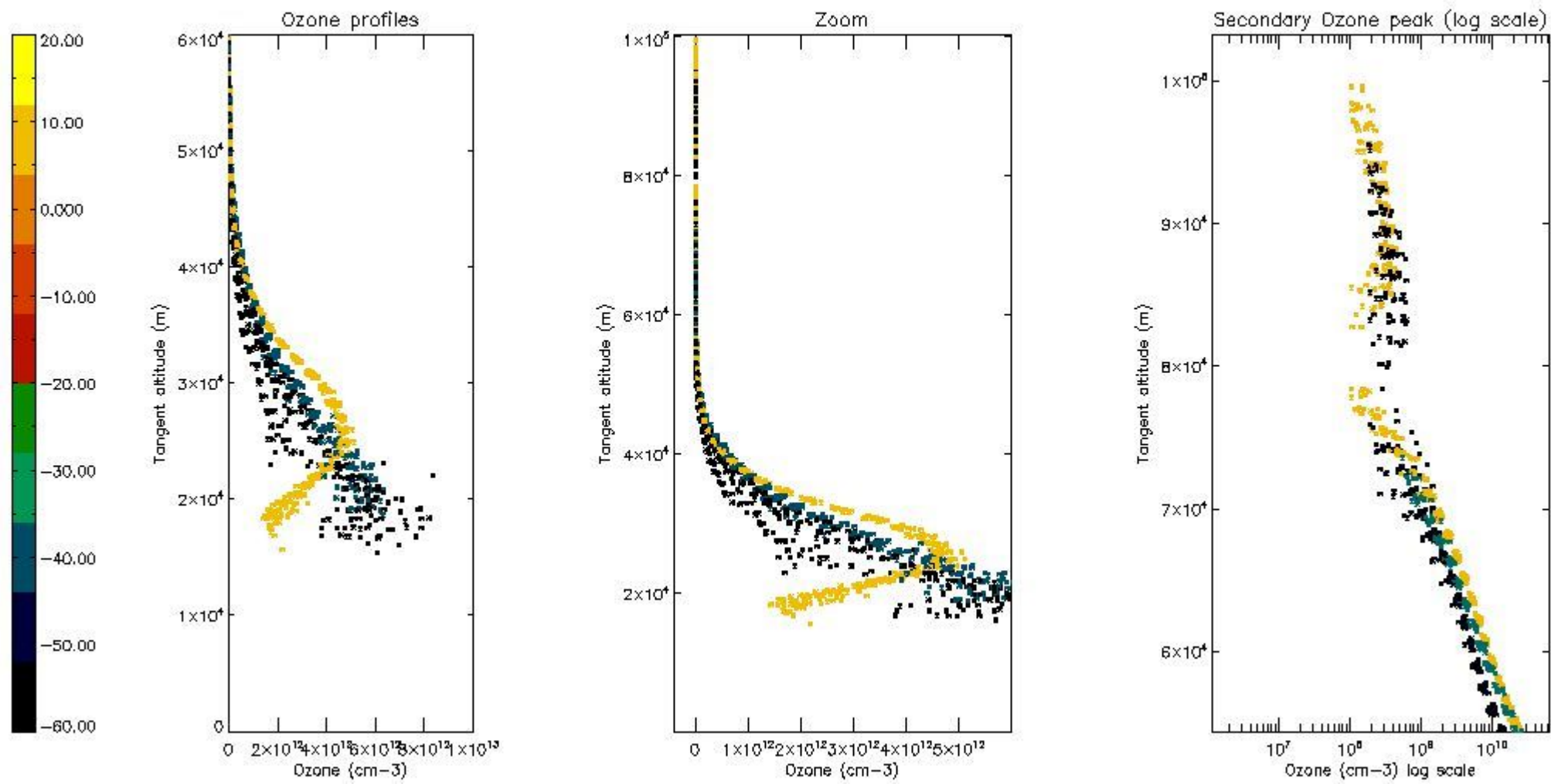
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



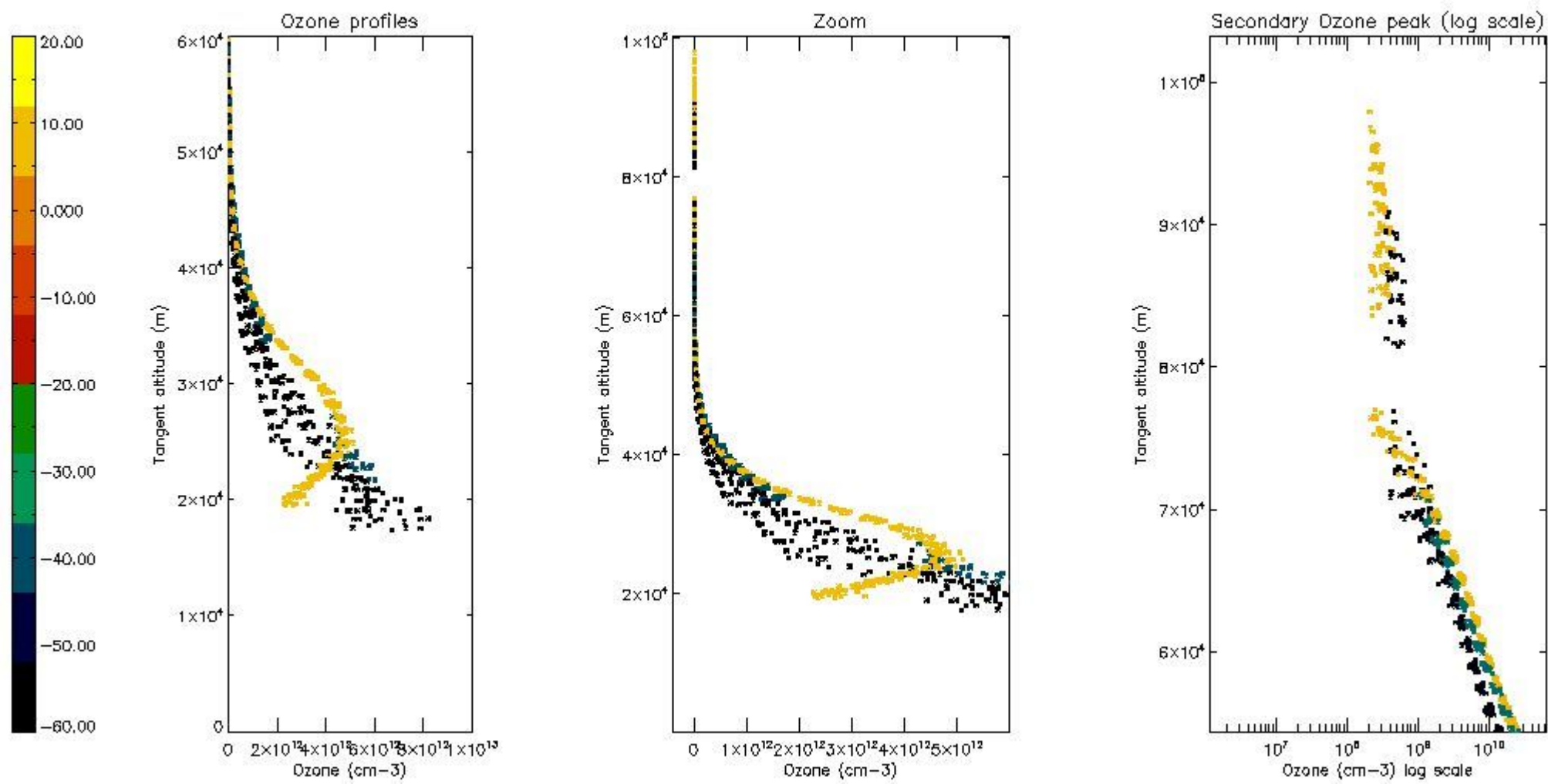
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



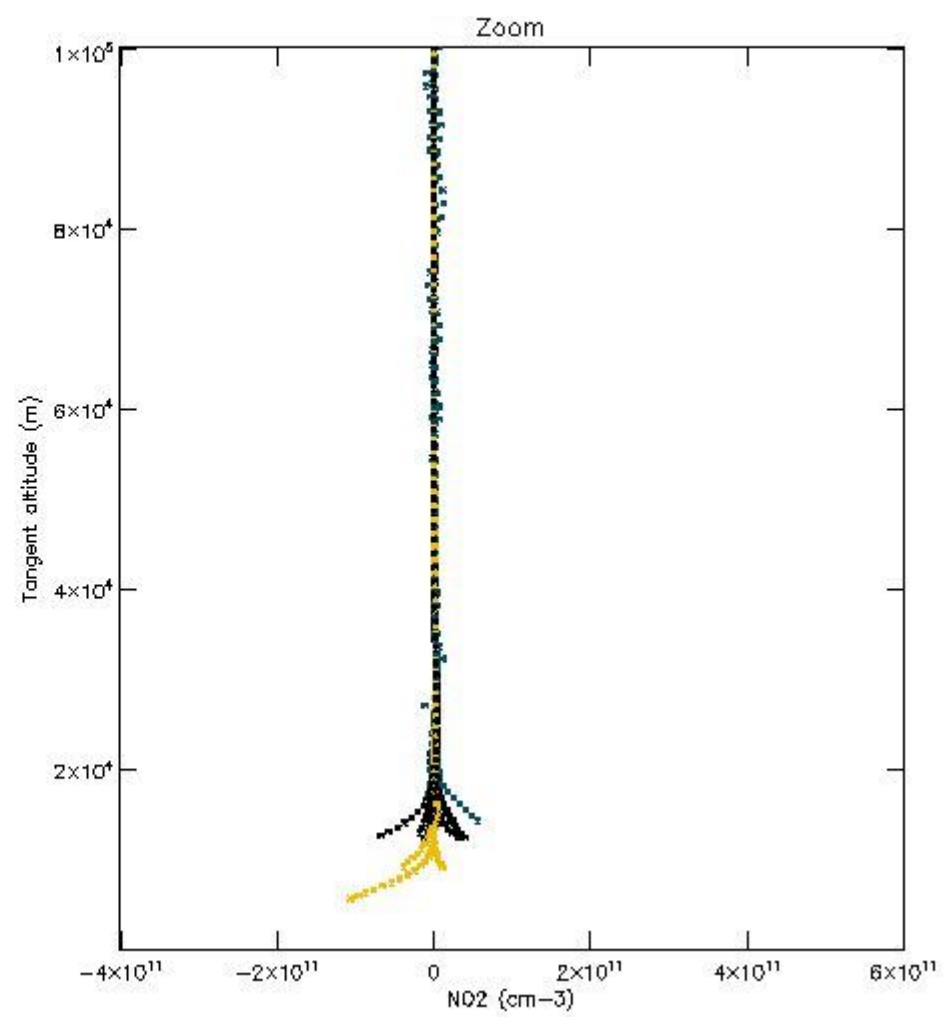
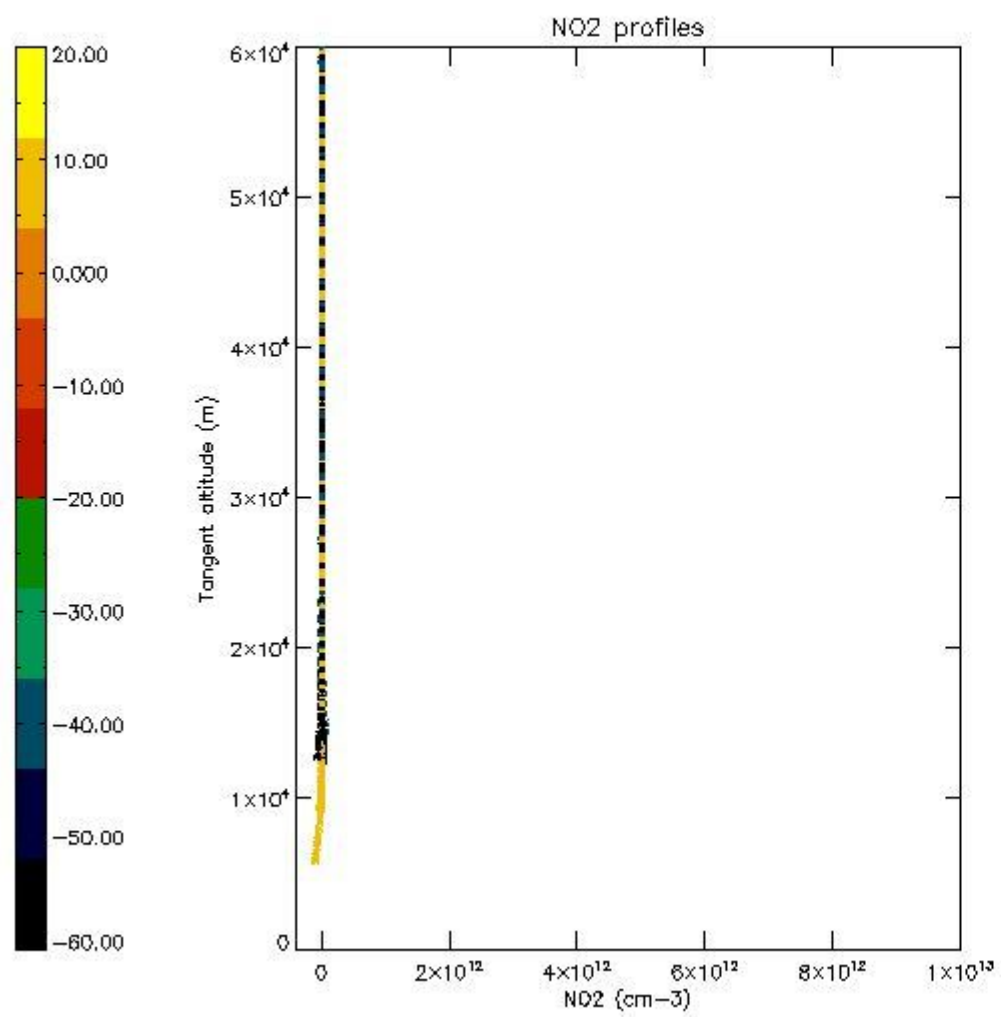
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



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

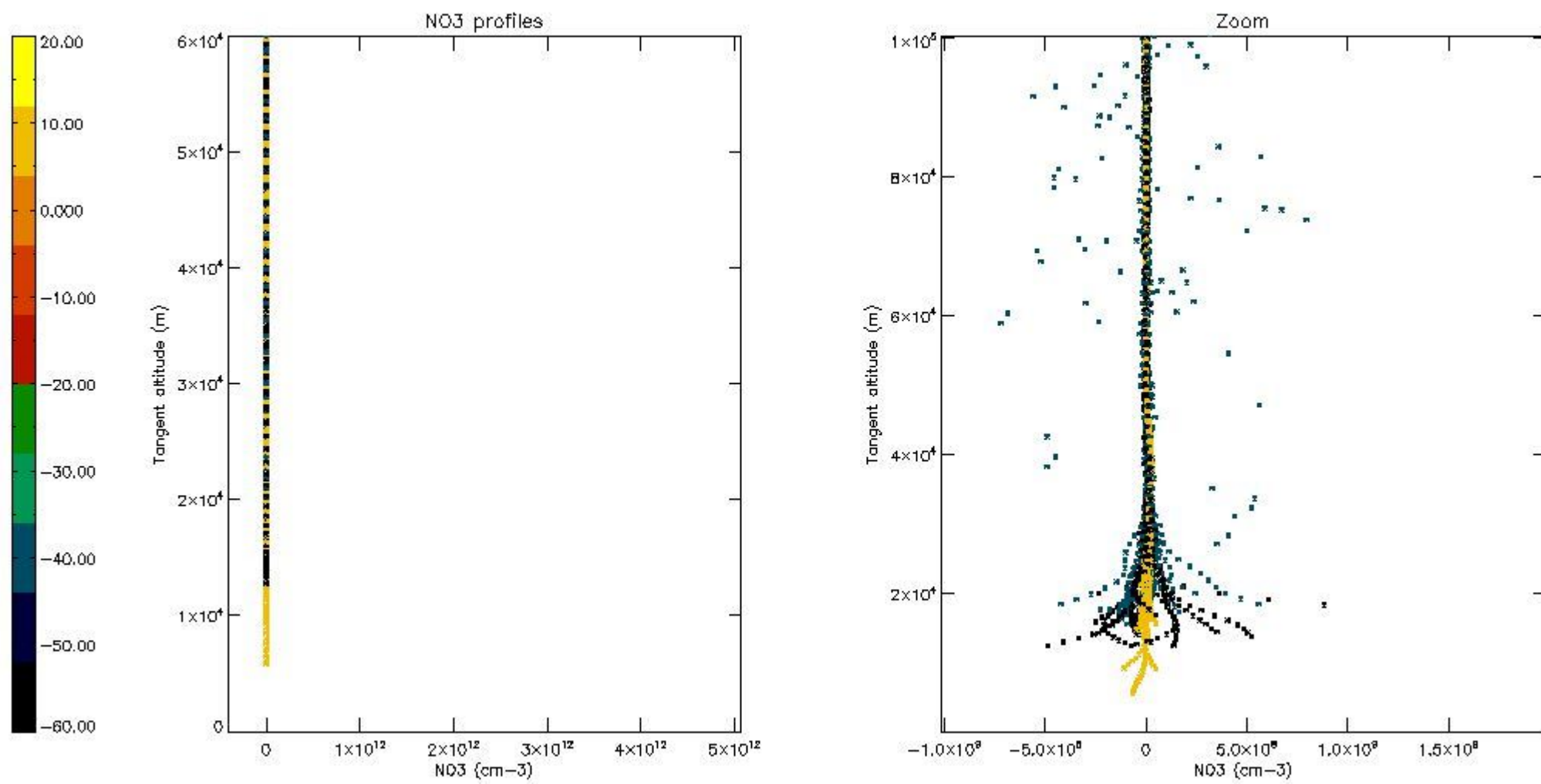
The colorbar represents the latitude.



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

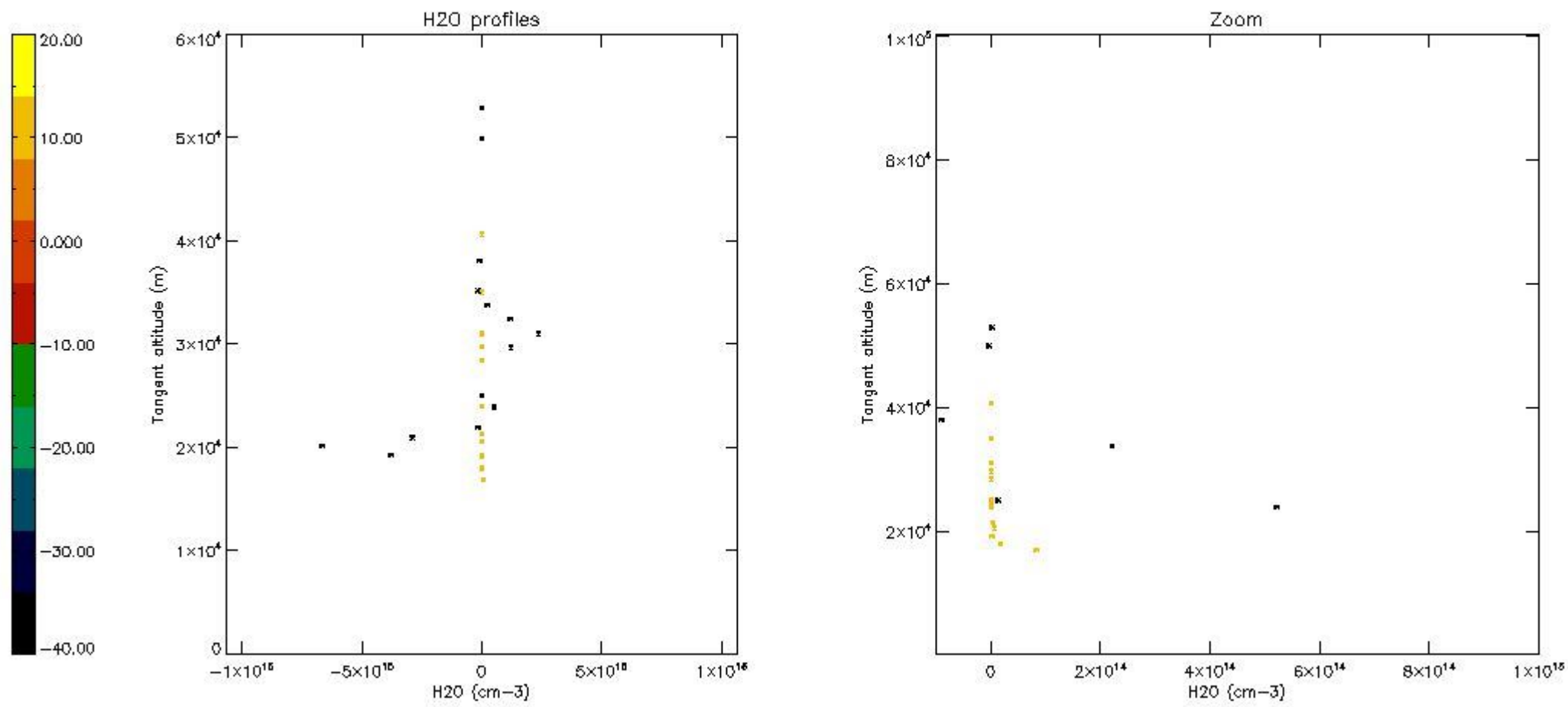
The colorbar represents the latitude.





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)

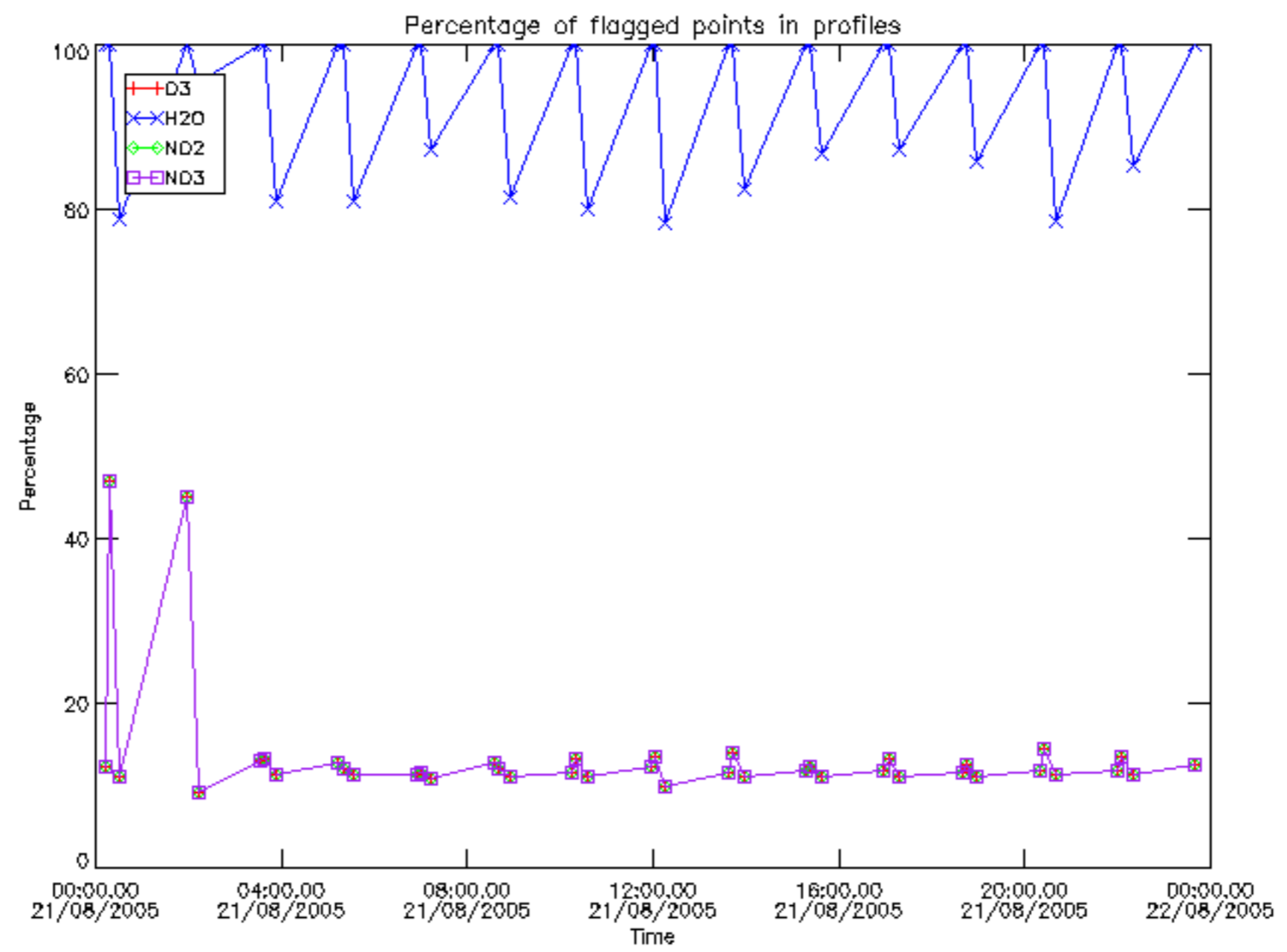
The colorbar represents the latitude.



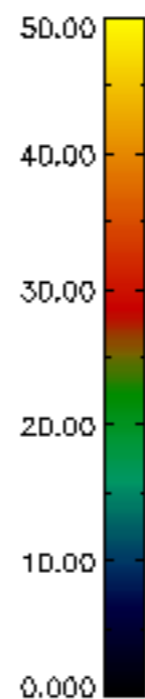
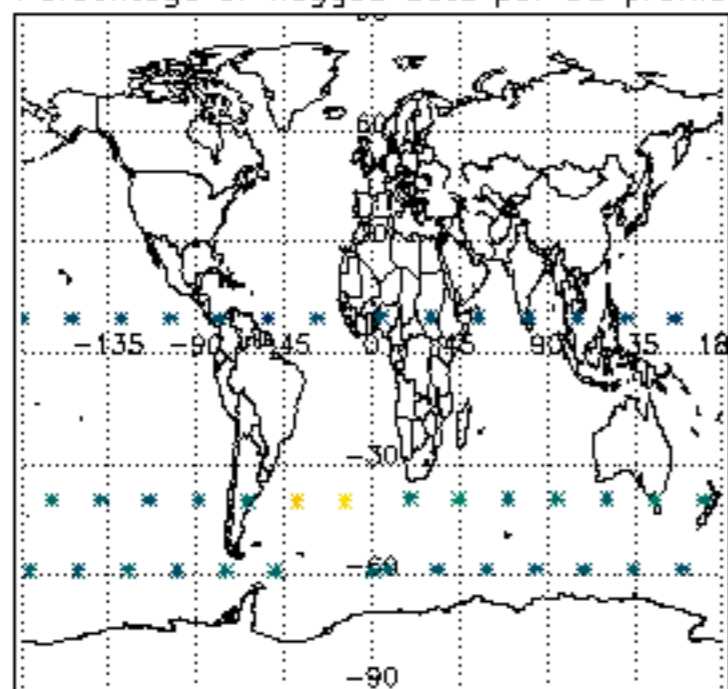
## 6. Auxiliary Data Files used for the production reported in section 2

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.

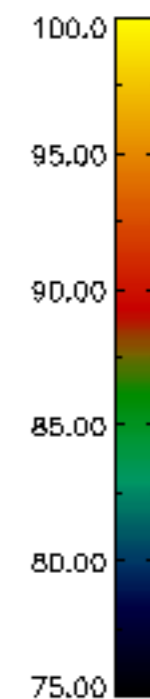
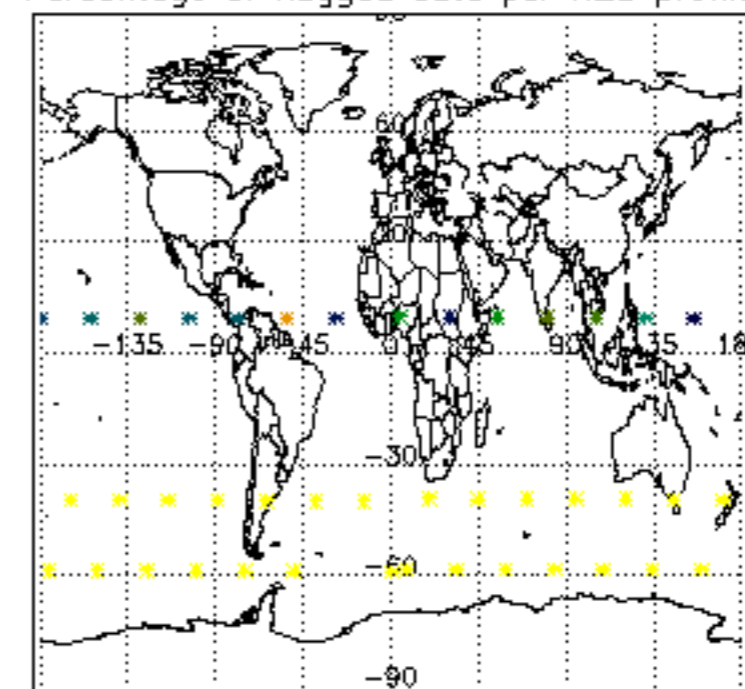
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	21-AUG-2005 00:00:10
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	21-AUG-2005 00:00:10
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	21-AUG-2005 00:00:10



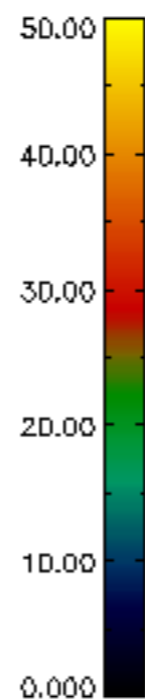
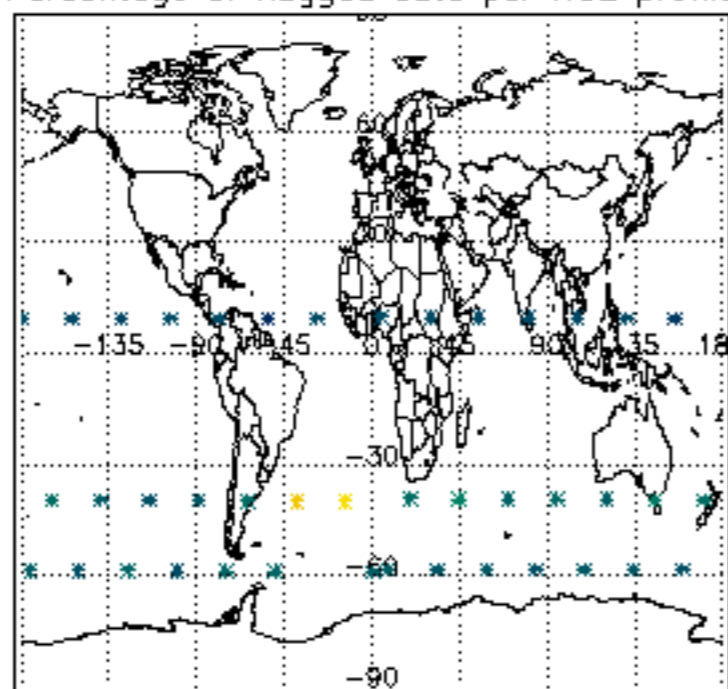
Percentage of flagged data per D3 profile



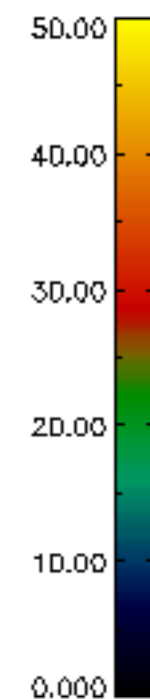
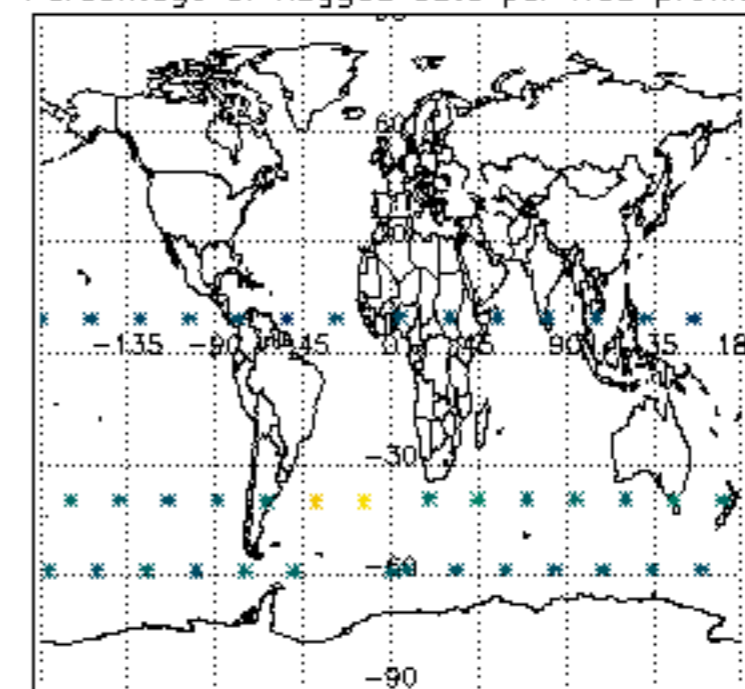
Percentage of flagged data per H2O profile

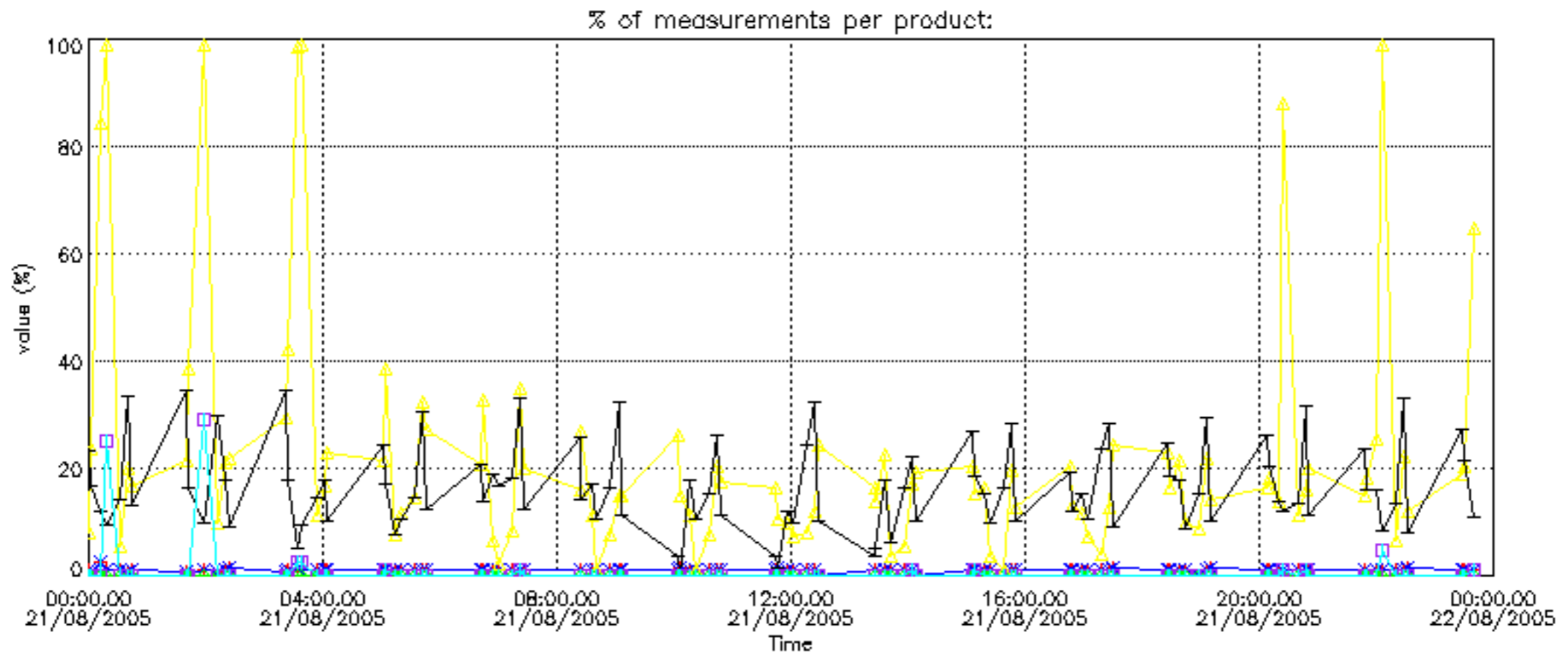


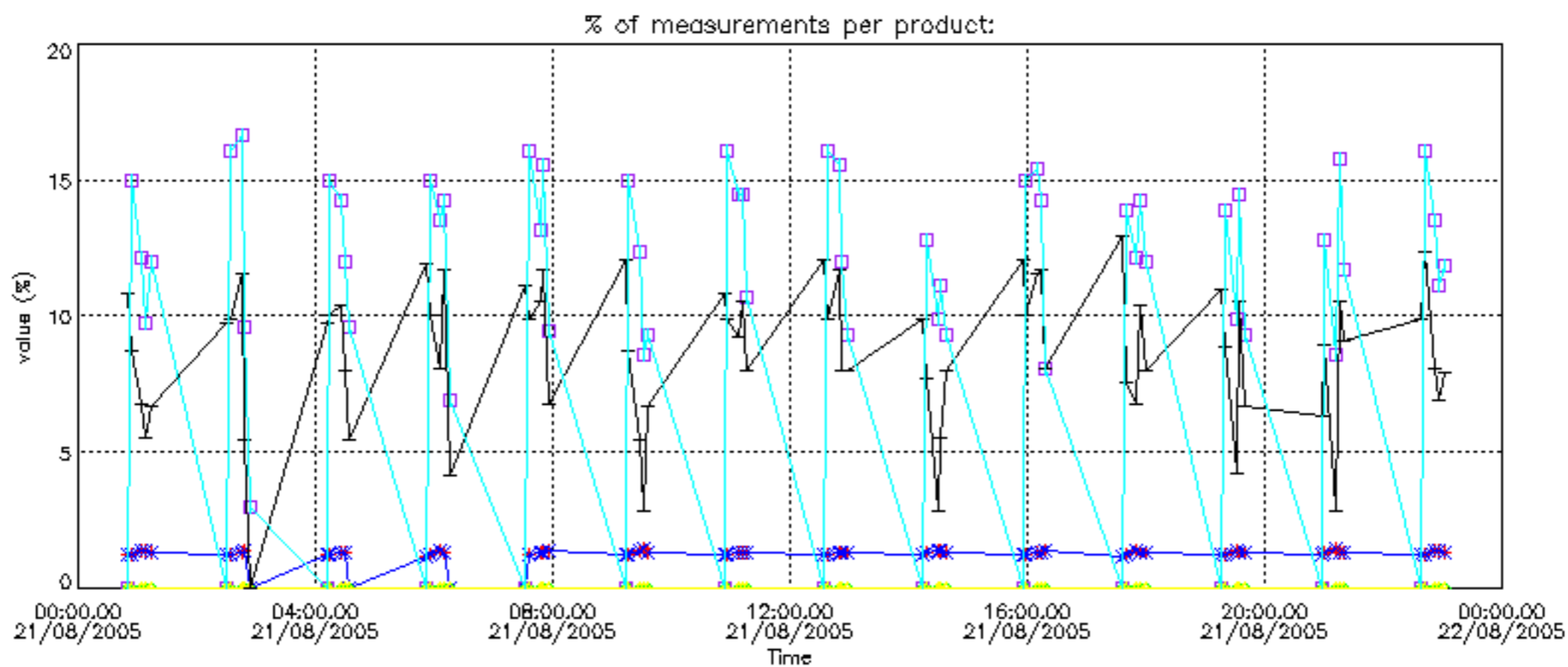
Percentage of flagged data per NO2 profile



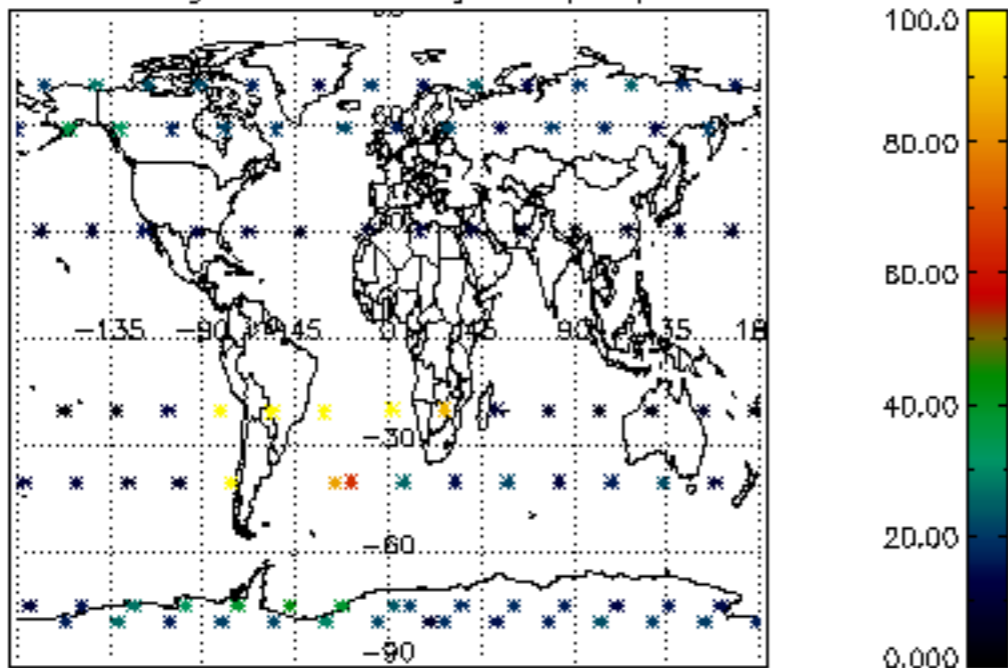
Percentage of flagged data per NO3 profile



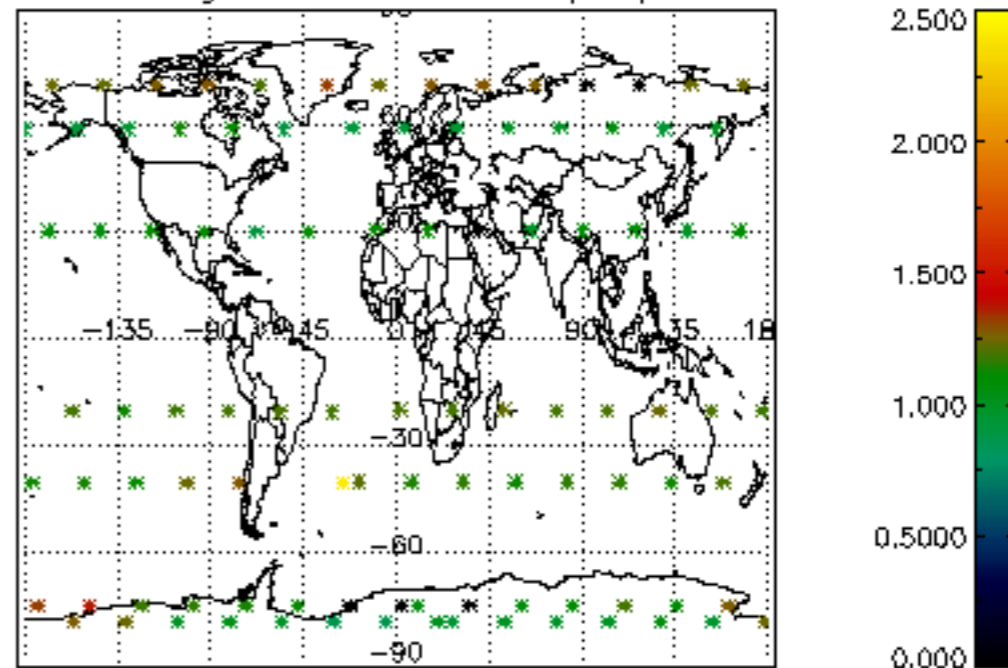




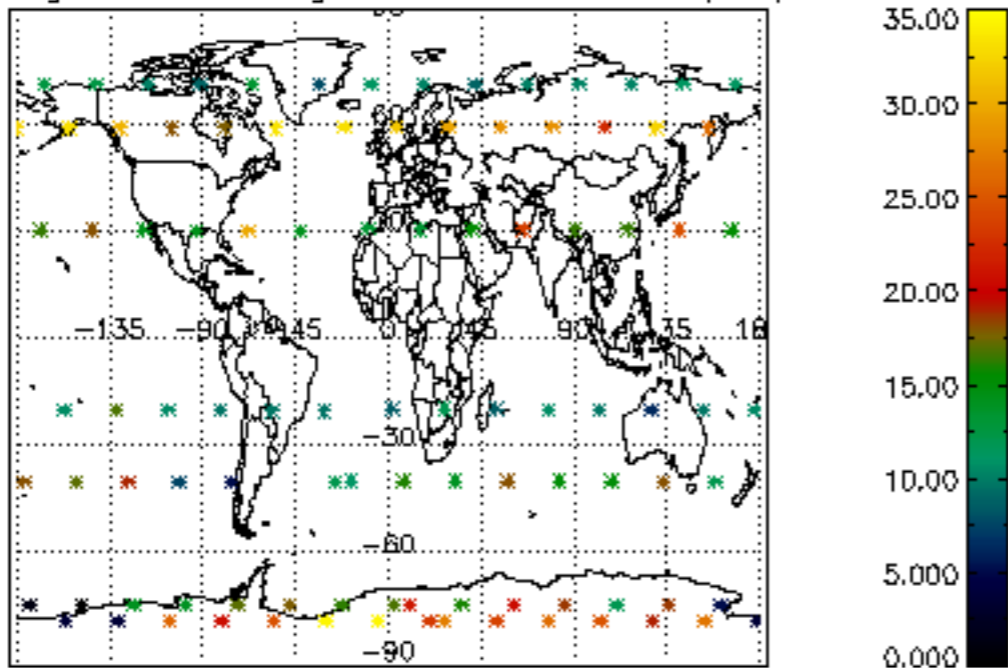
Percentage of cosmic ray hits per profile



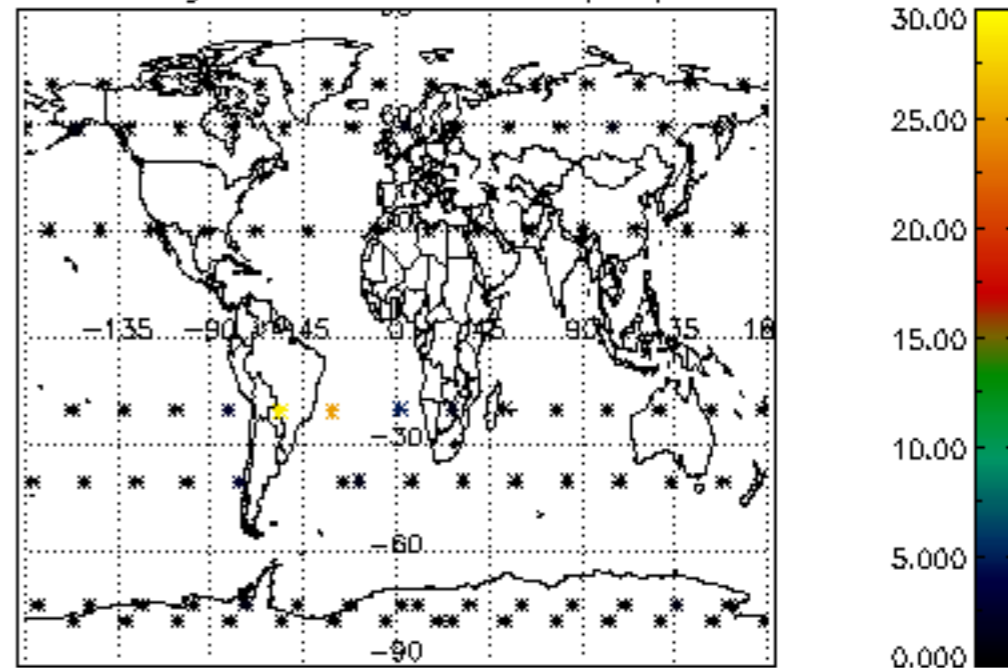
Percentage of datation errors per profile



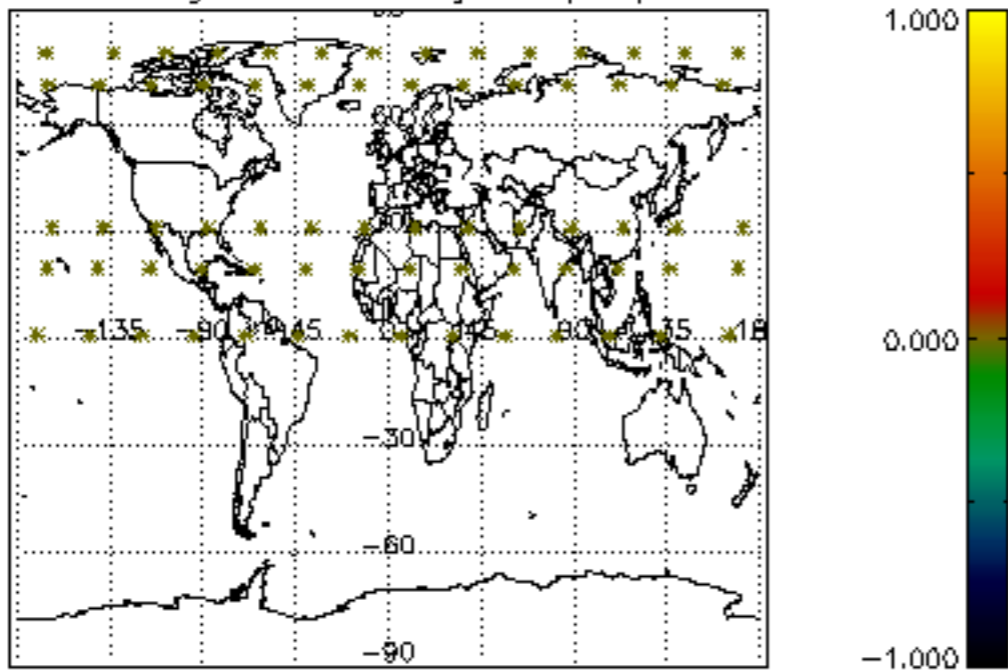
Percentage of star falling outside central band per profile



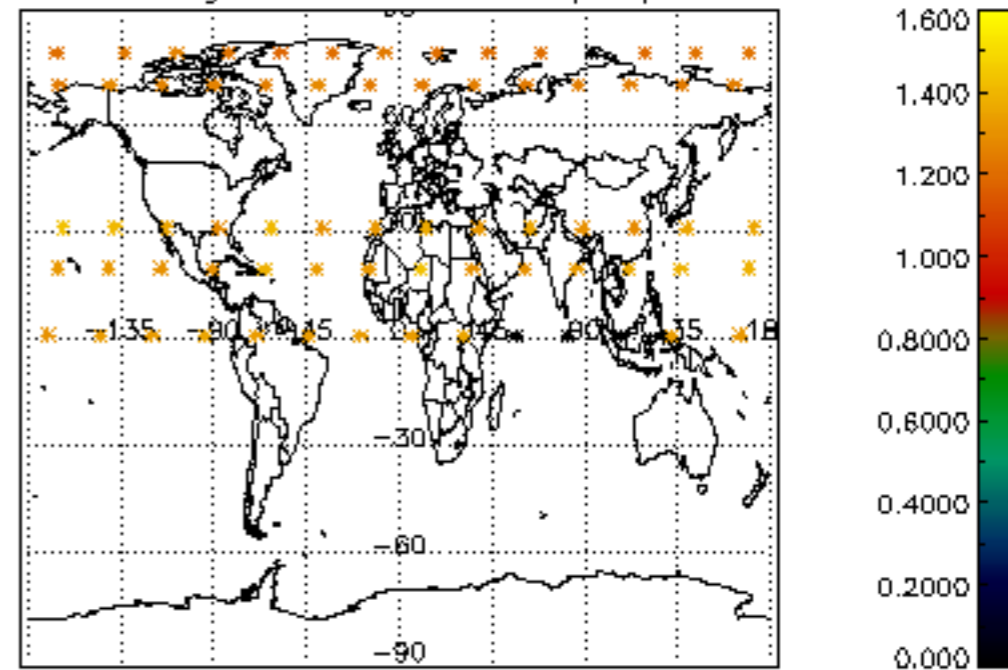
Percentage of saturation errors per profile



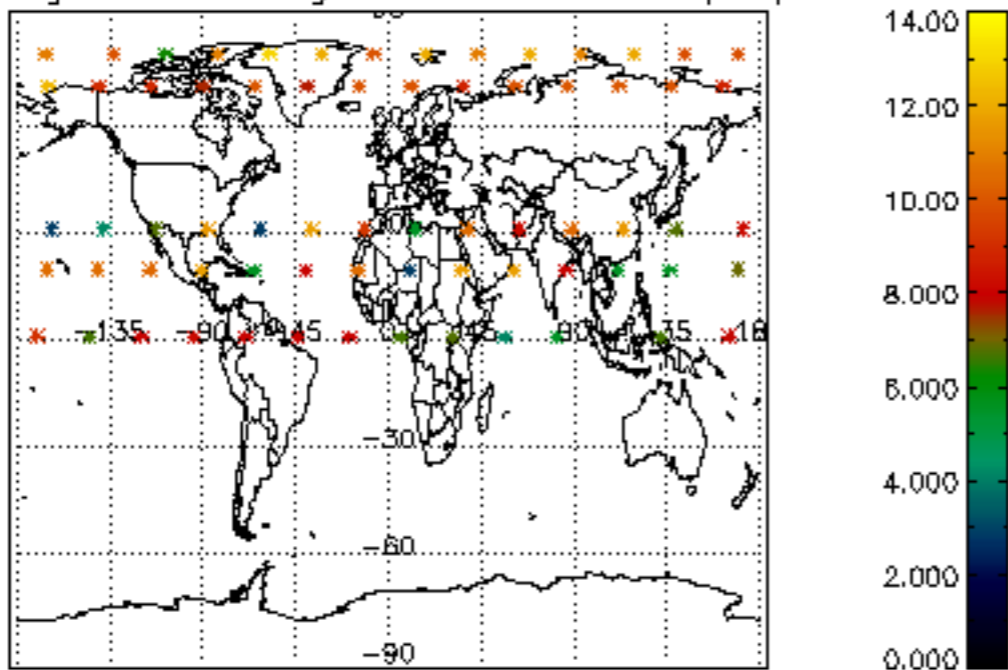
Percentage of cosmic ray hits per profile



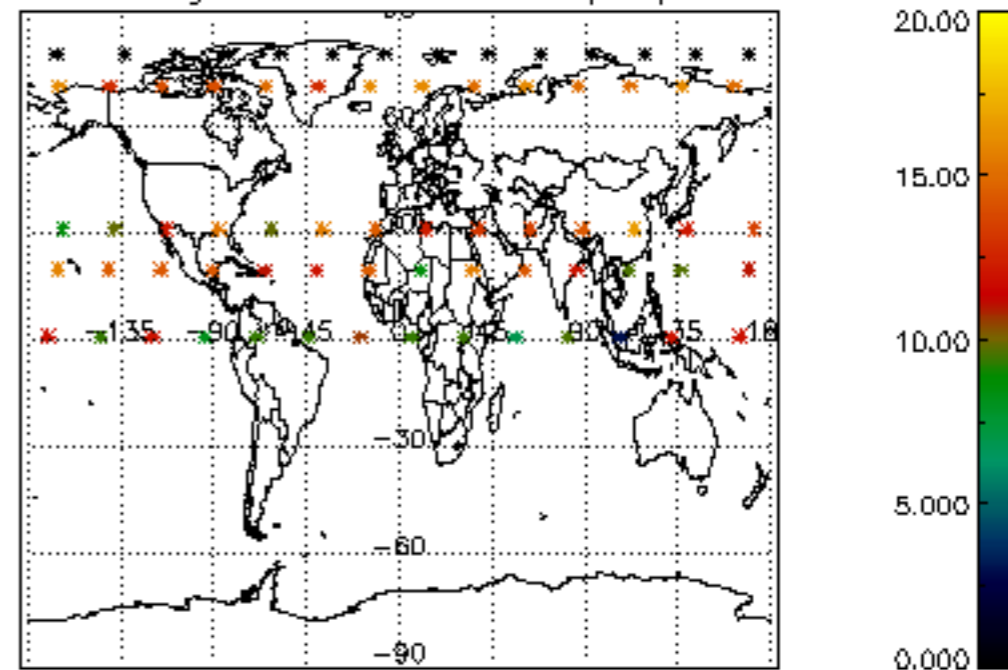
Percentage of datation errors per profile



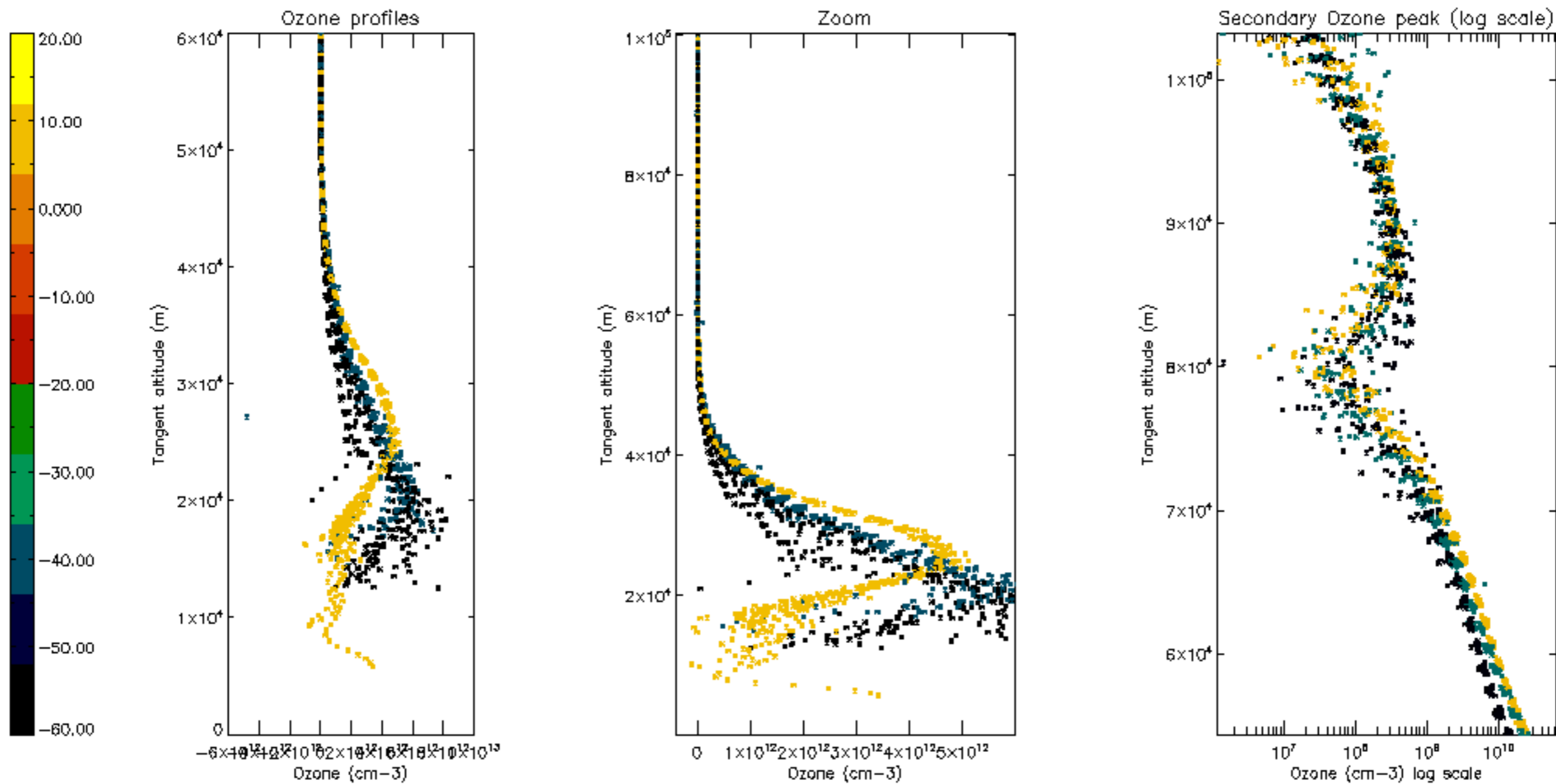
Percentage of star falling outside central band per profile

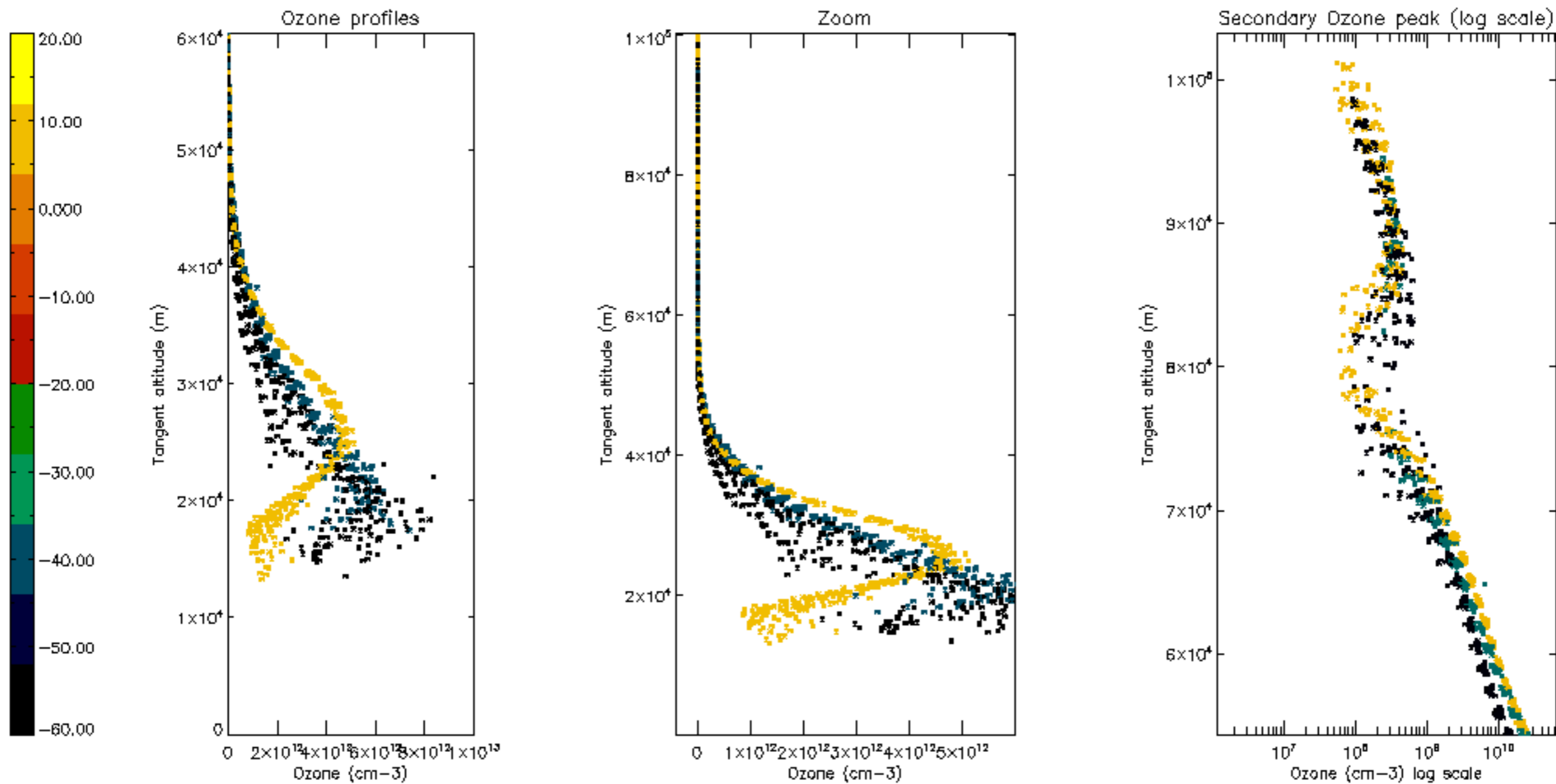


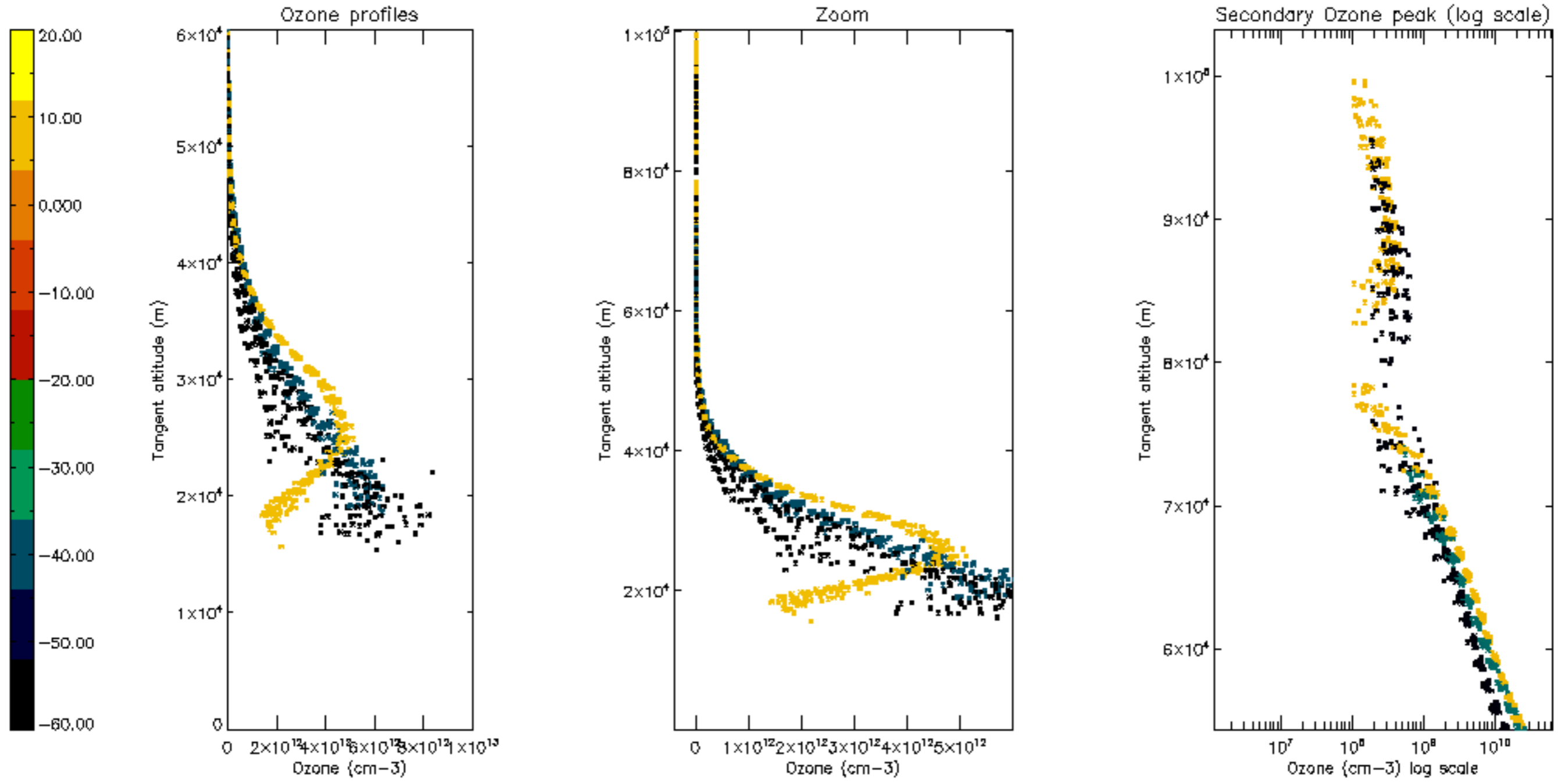
Percentage of saturation errors per profile

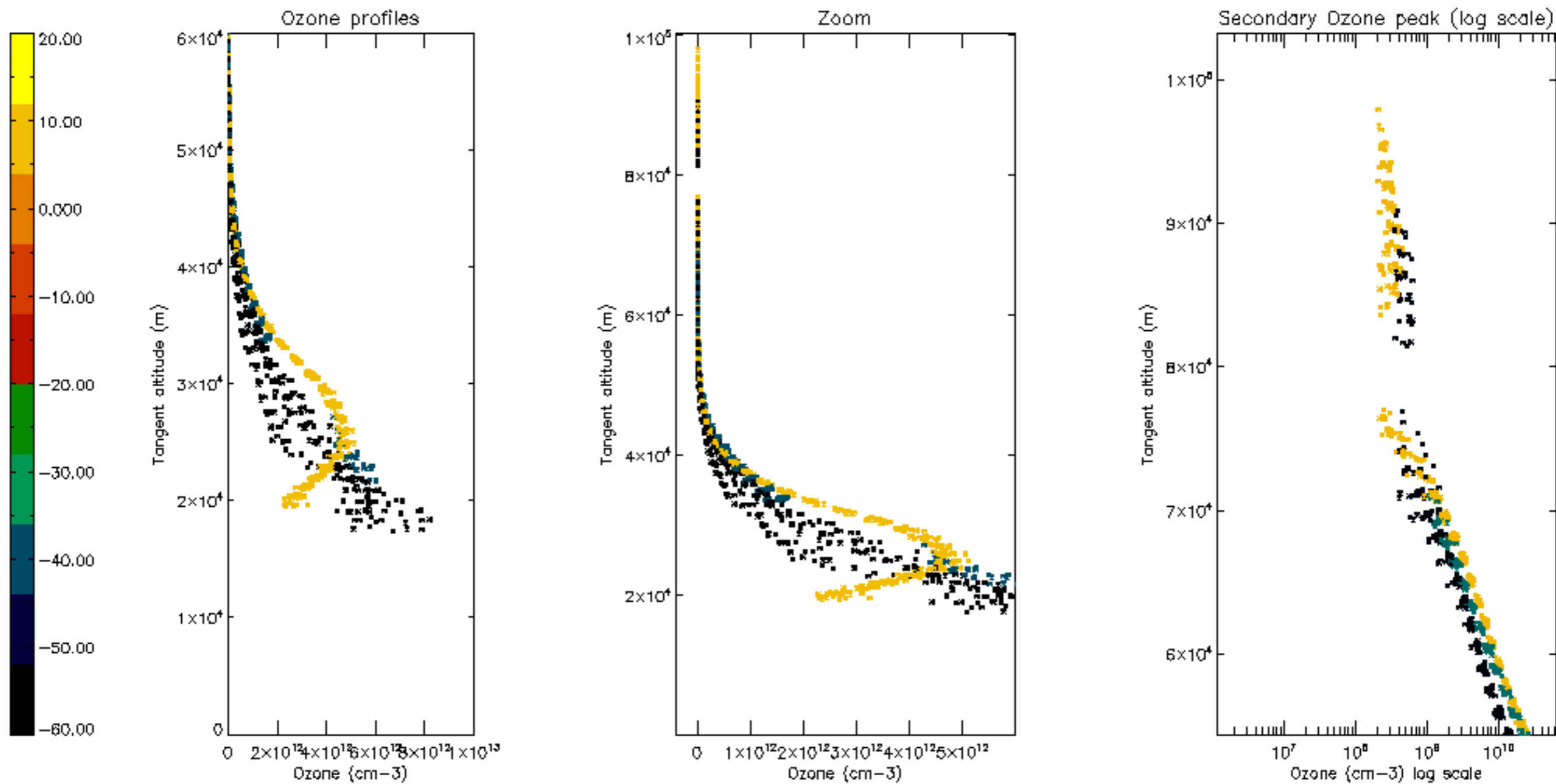


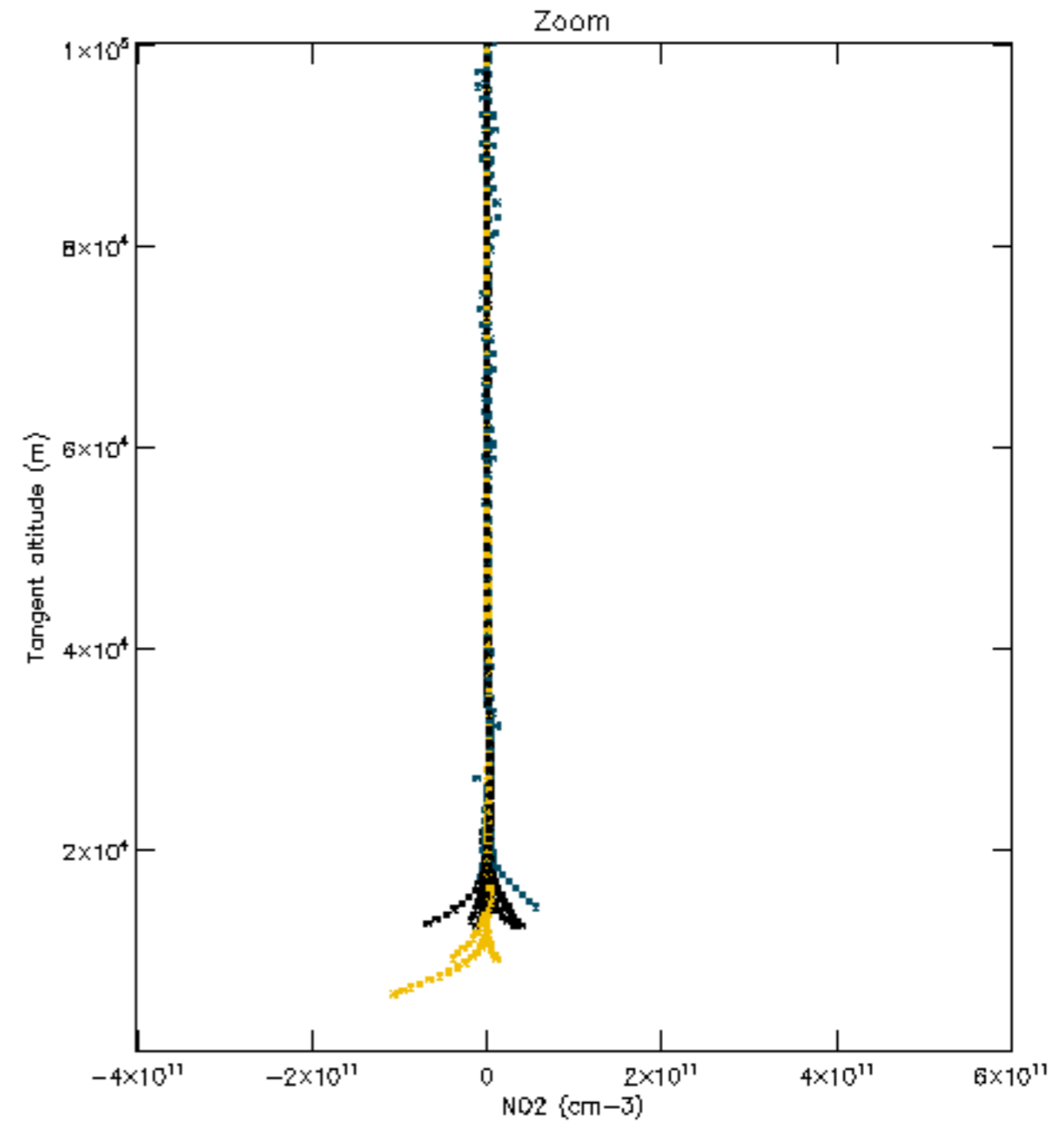
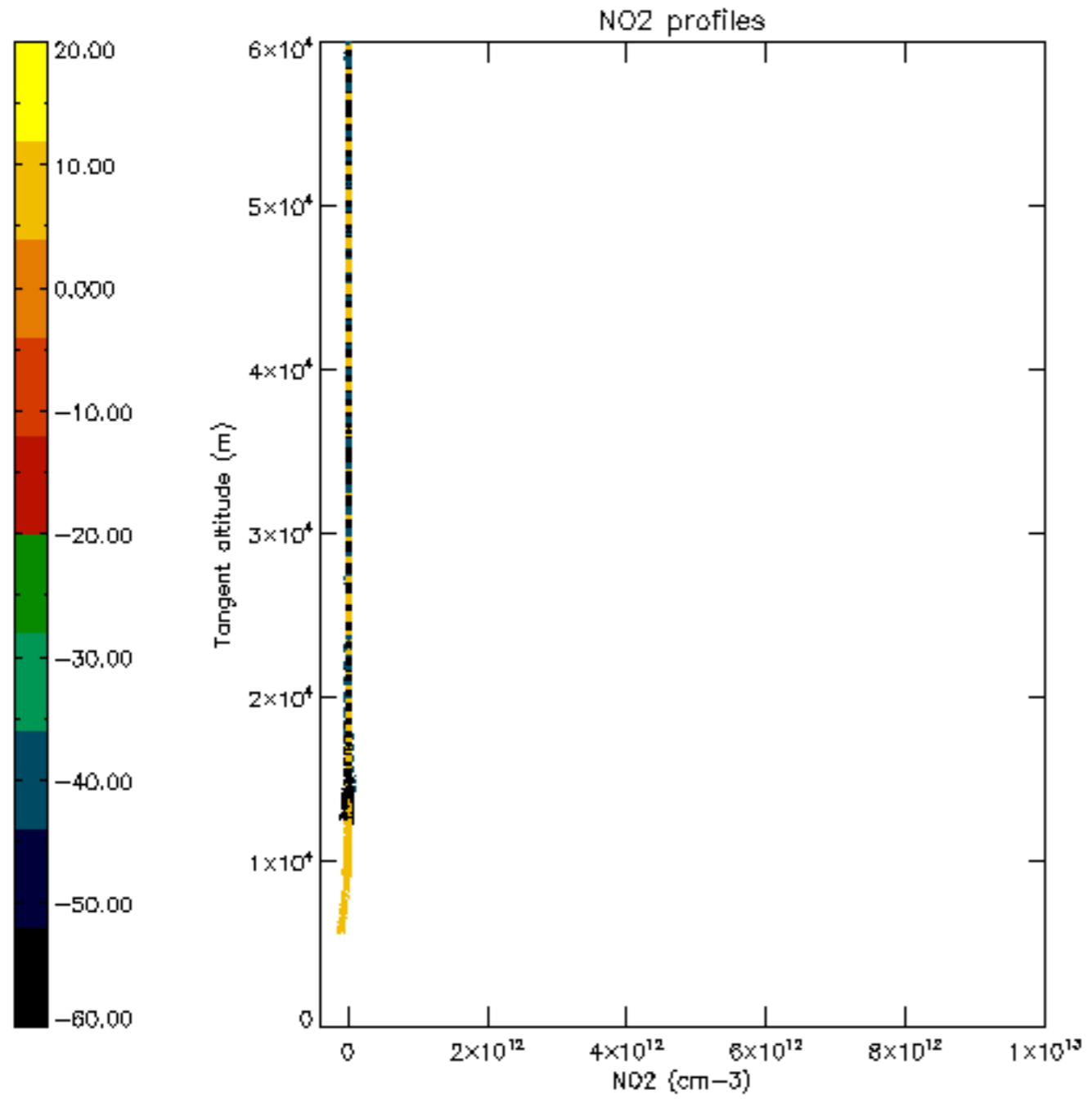


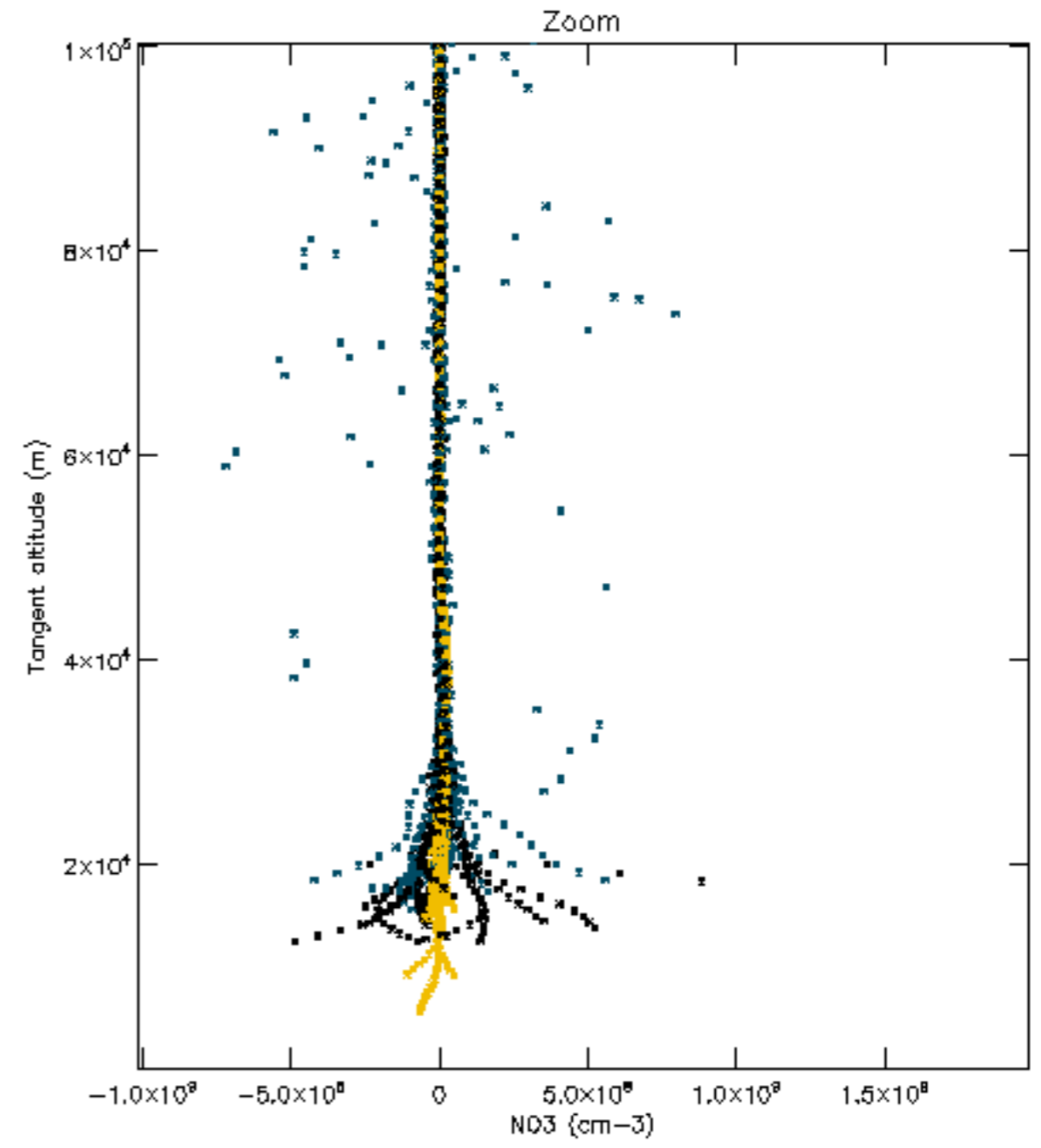
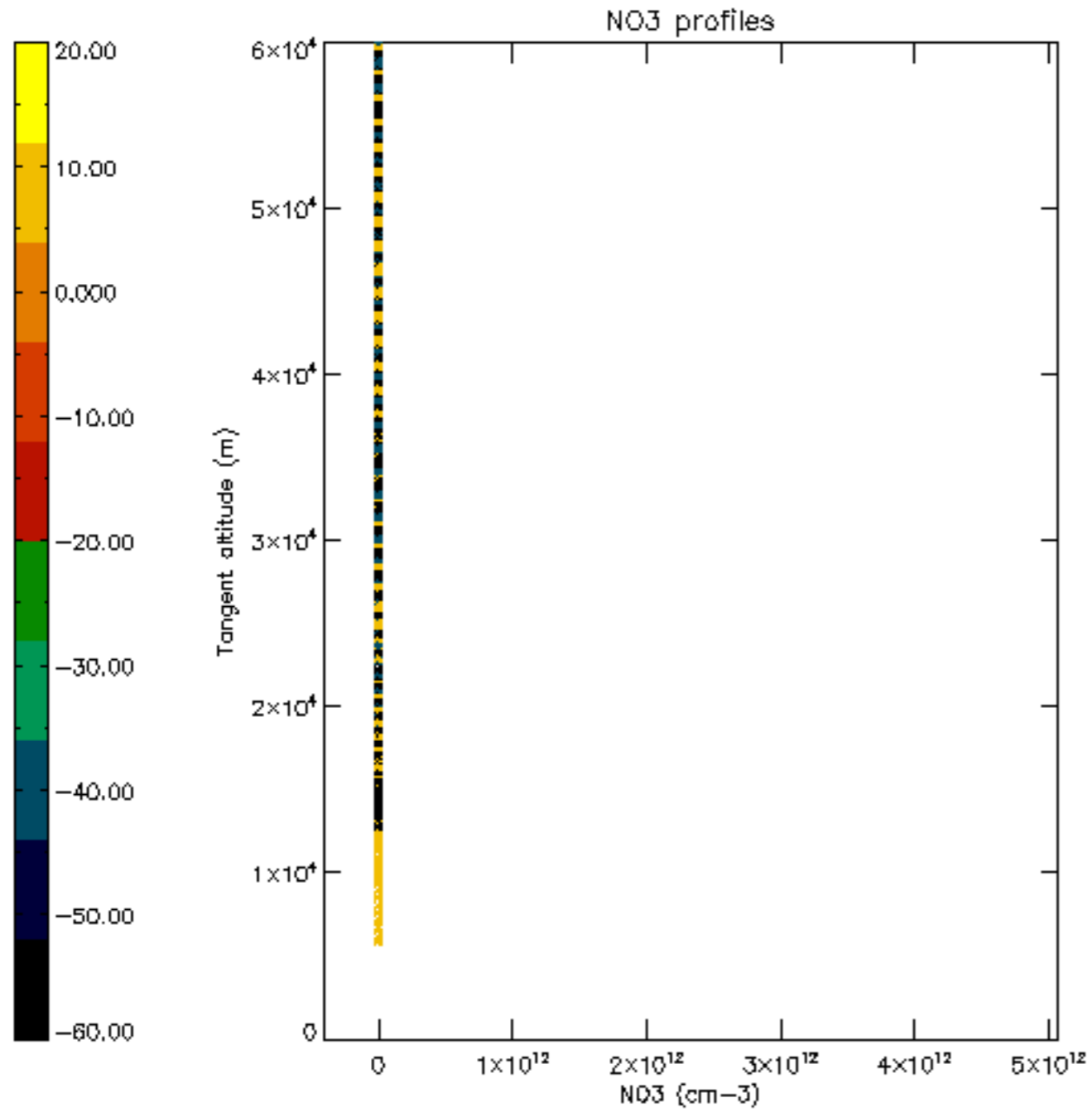


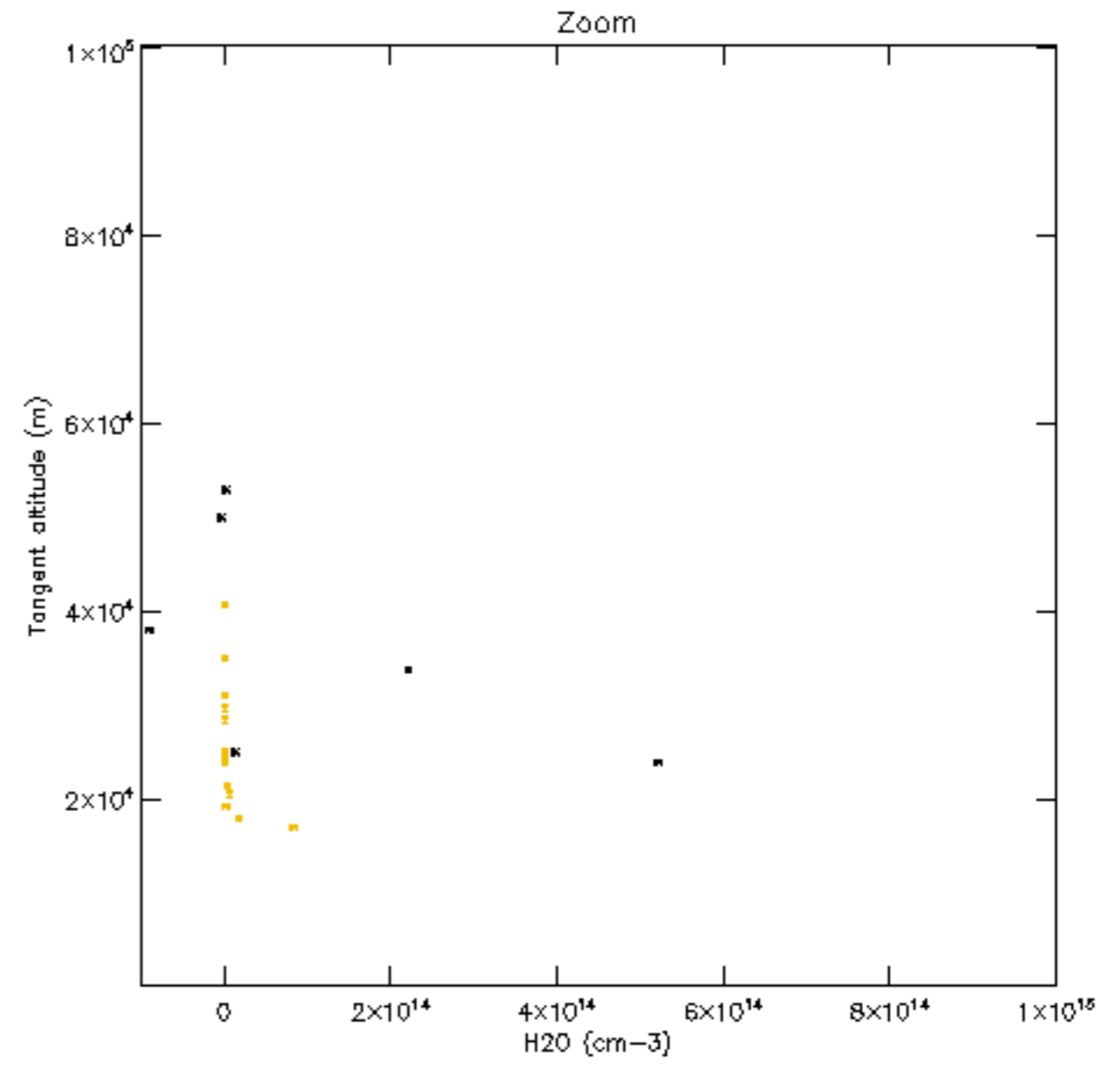
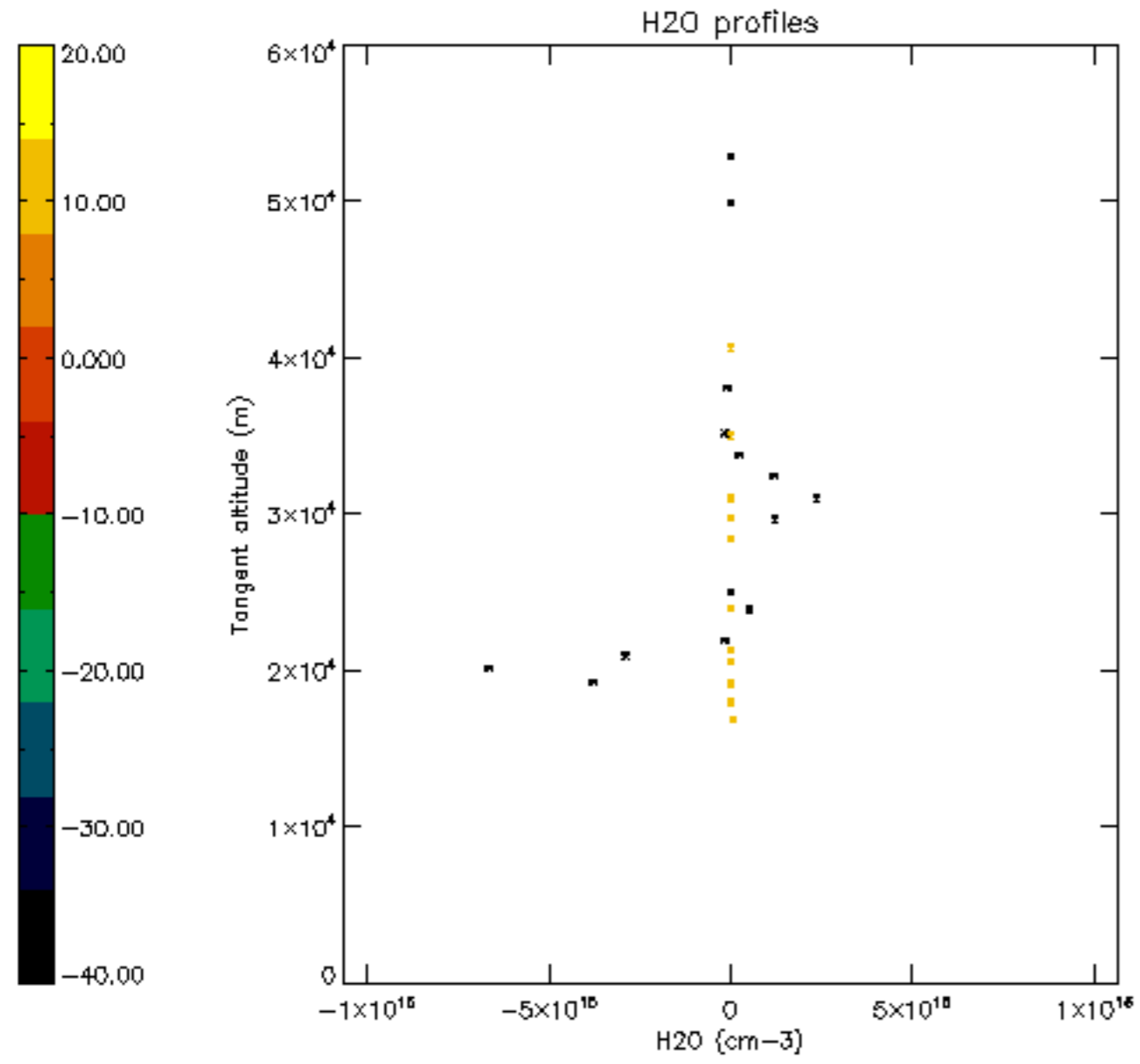


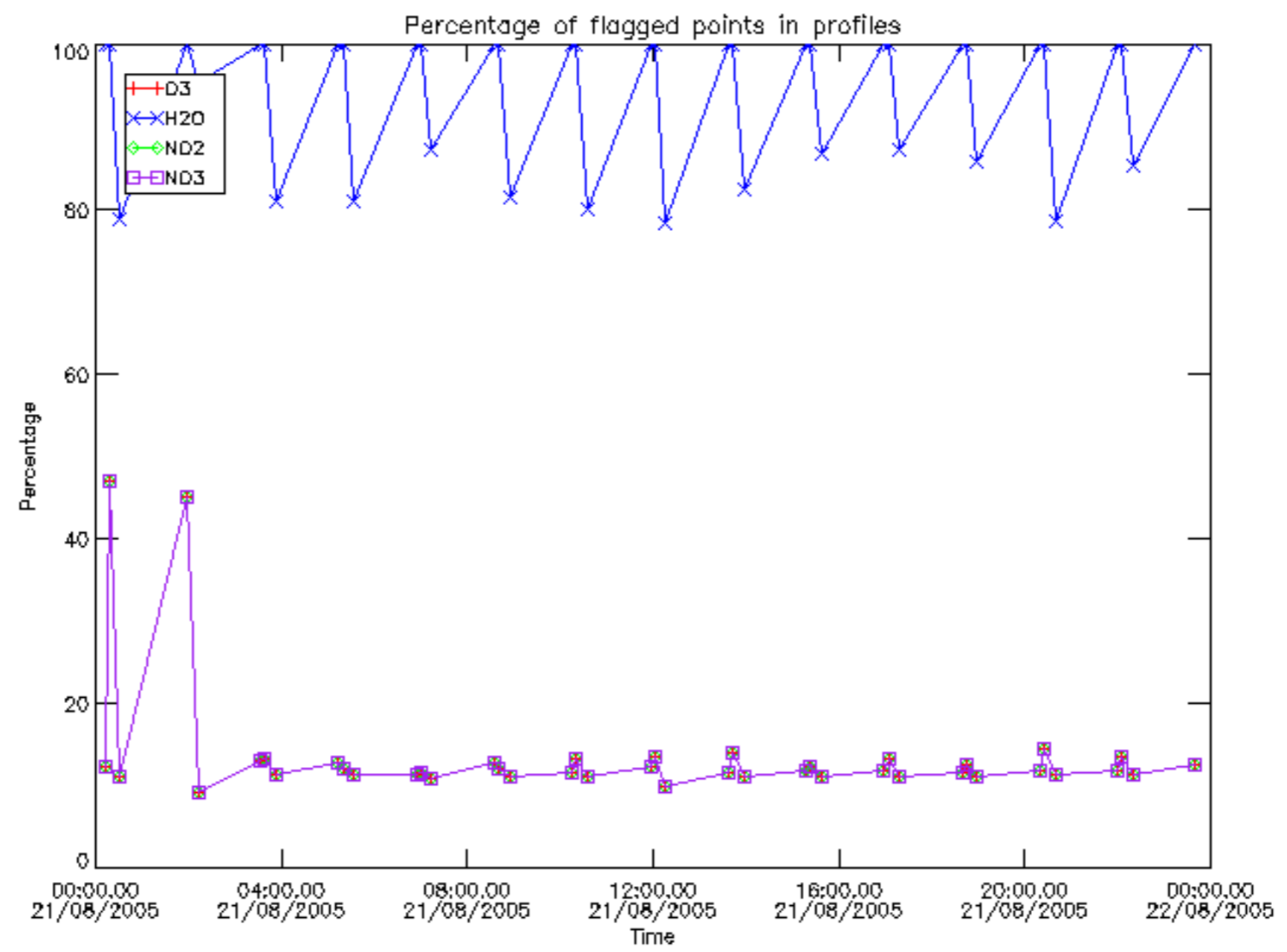






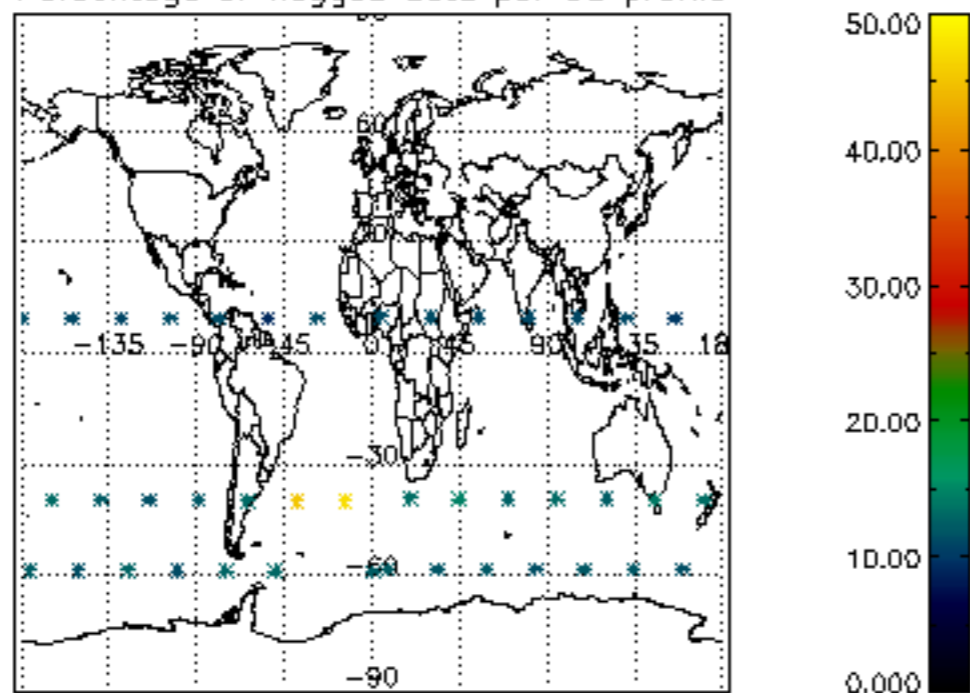




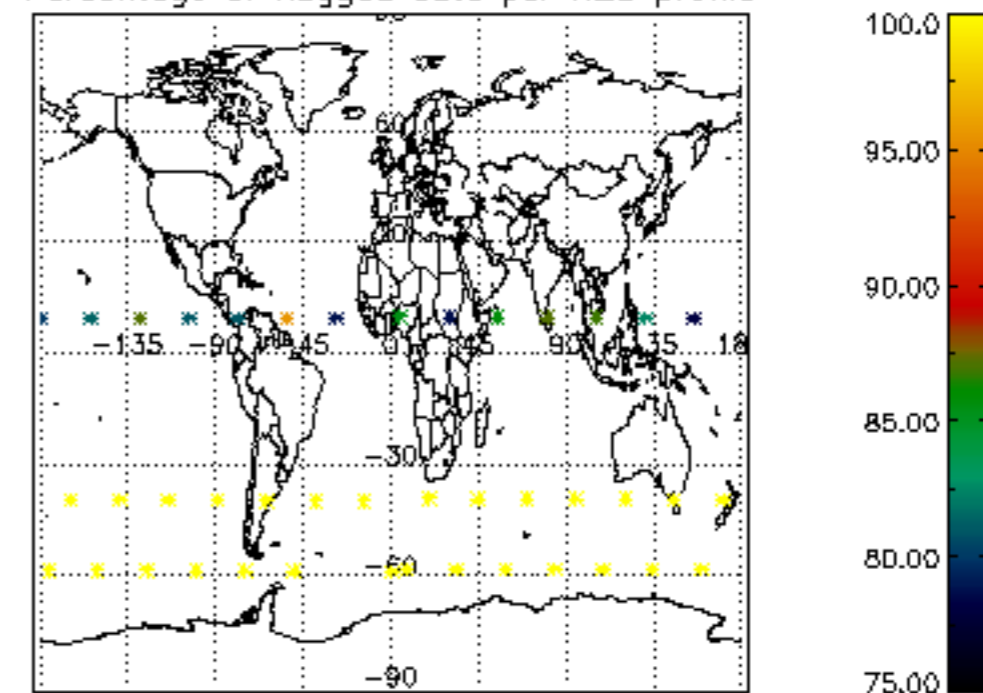




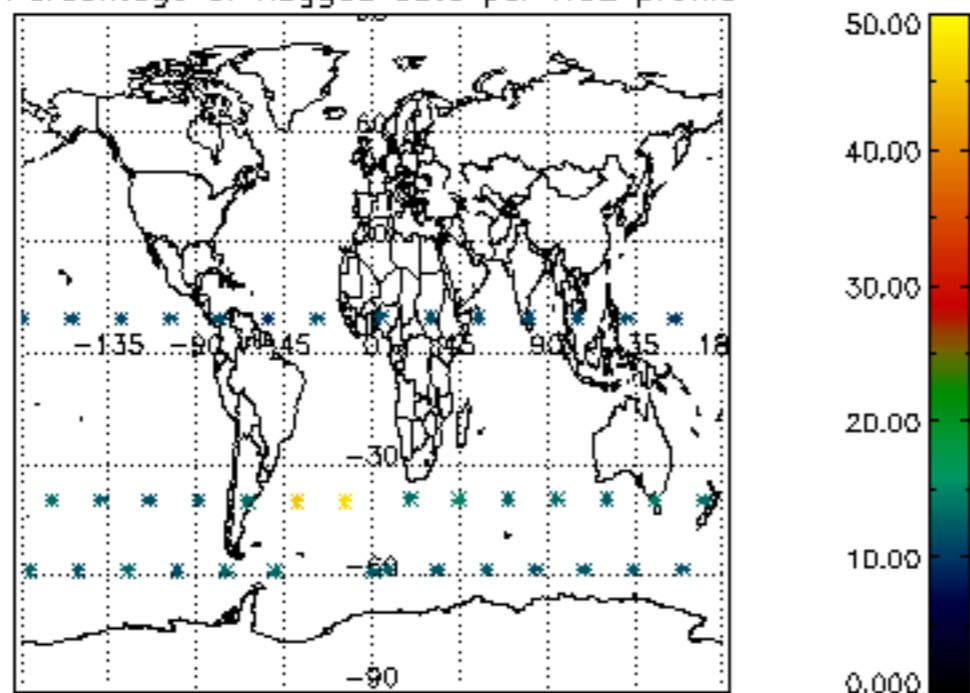
Percentage of flagged data per D3 profile



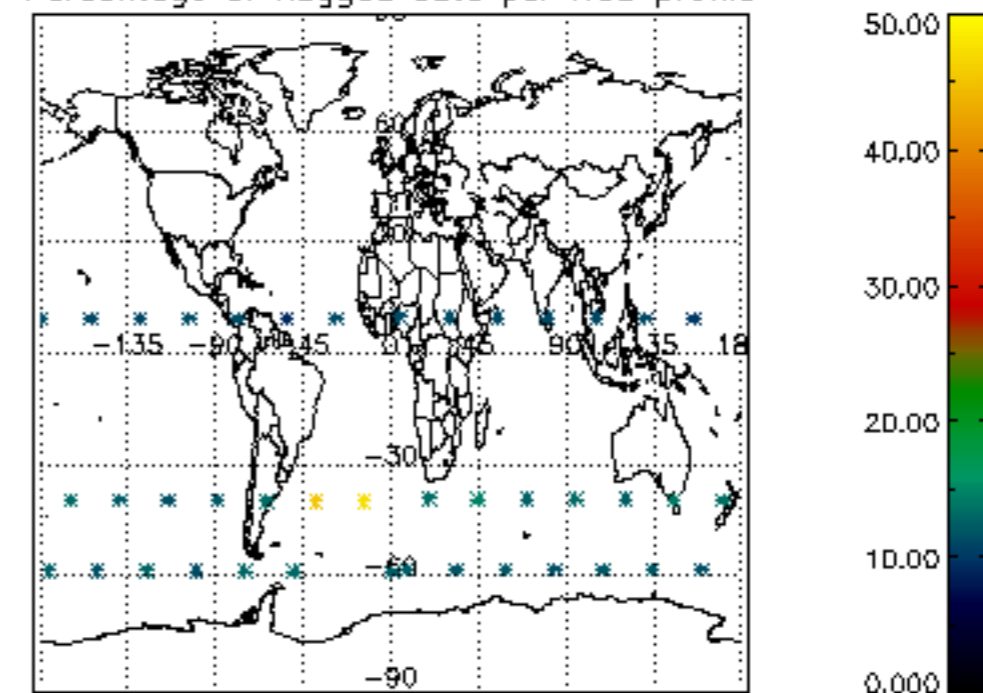
Percentage of flagged data per H2O profile

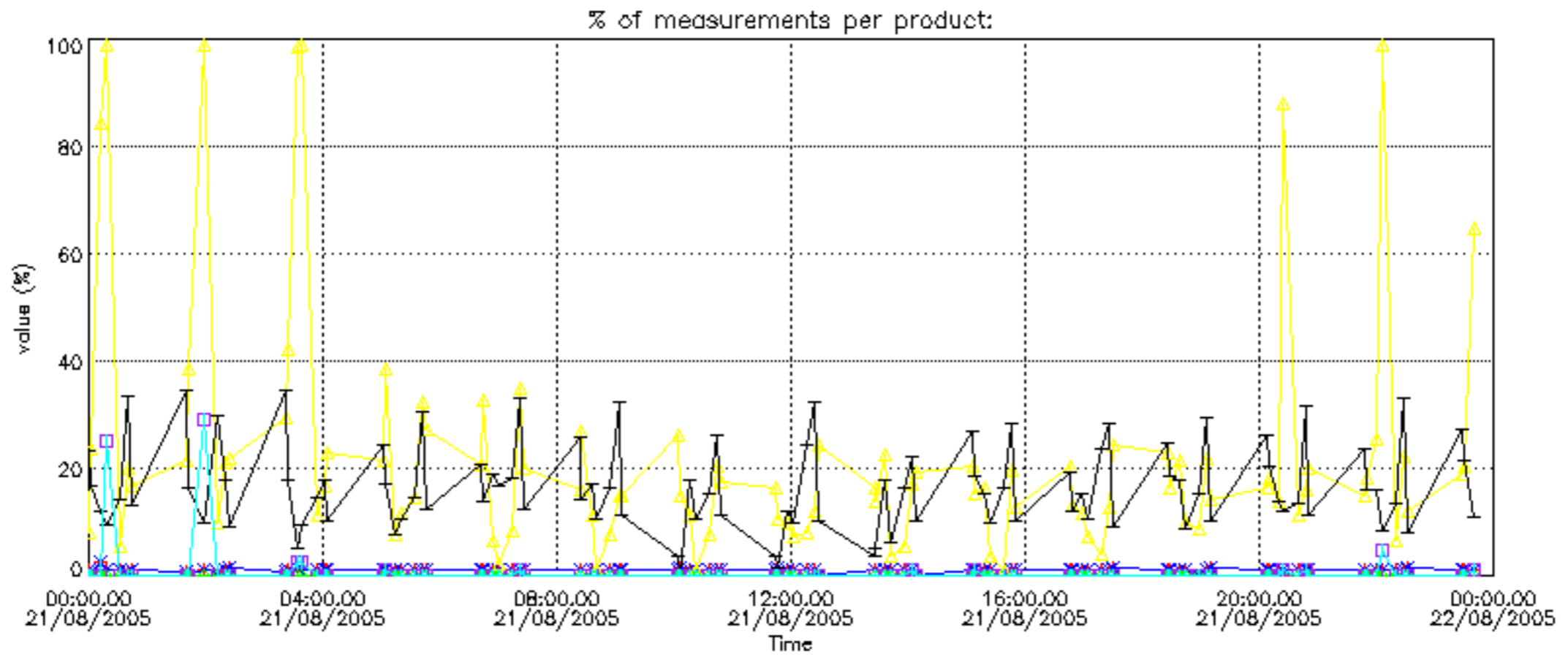


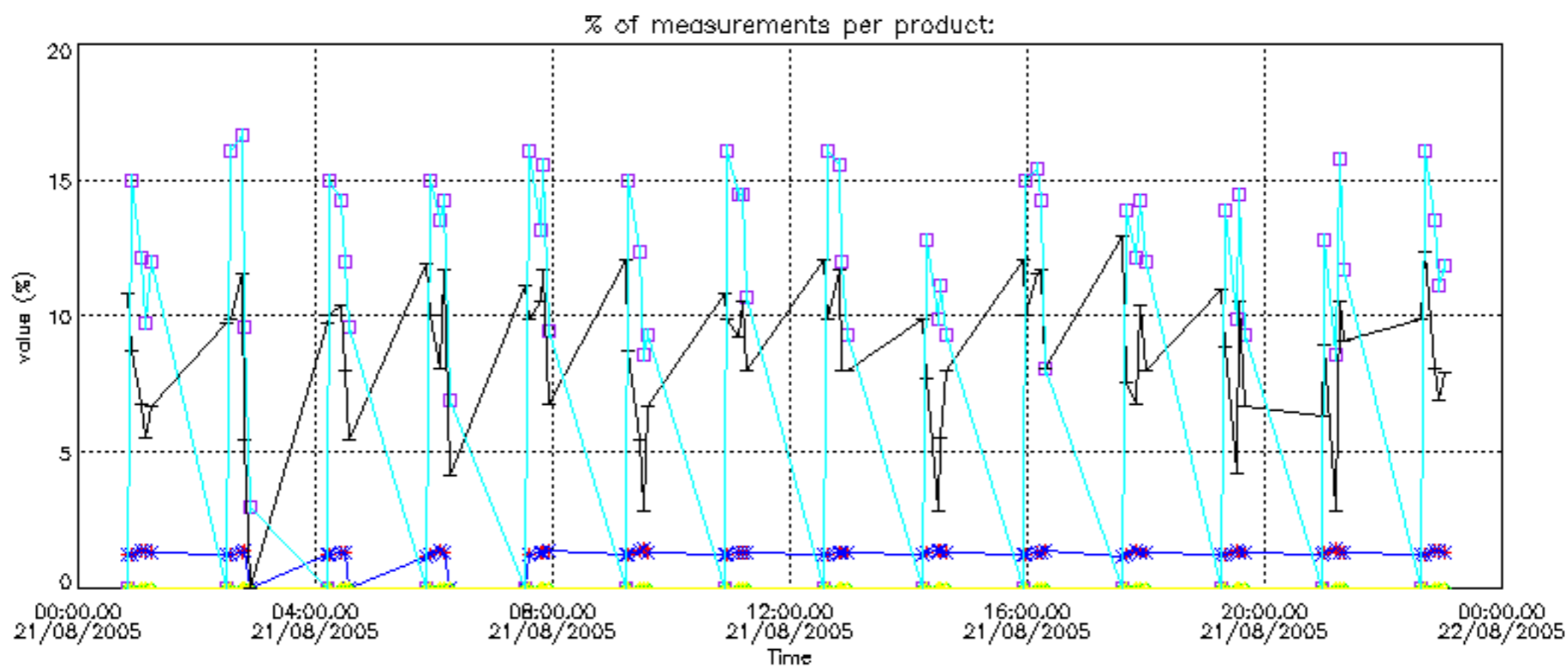
Percentage of flagged data per NO2 profile



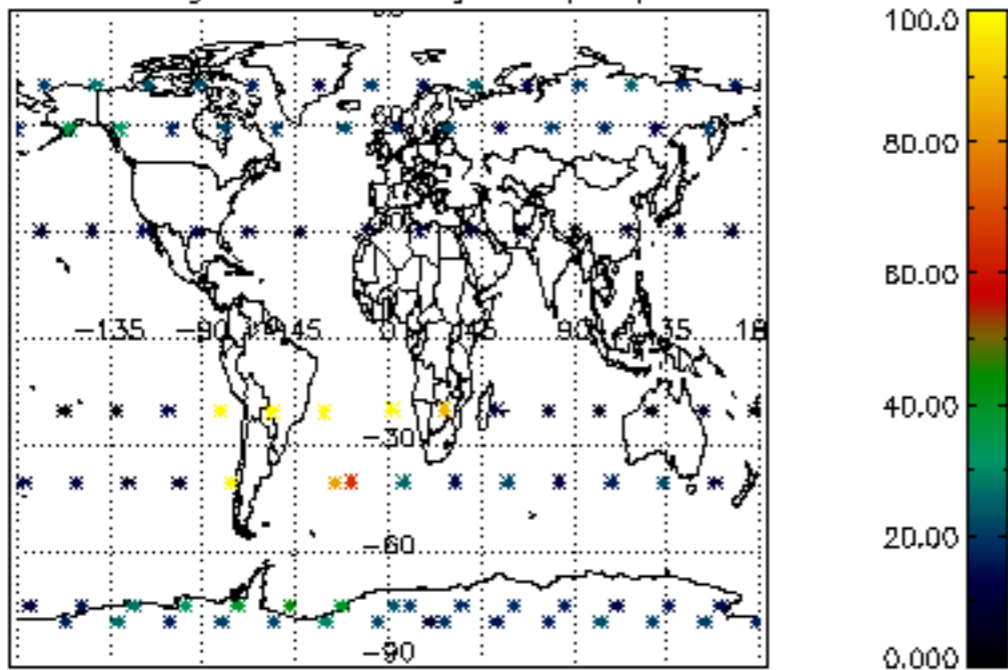
Percentage of flagged data per NO3 profile



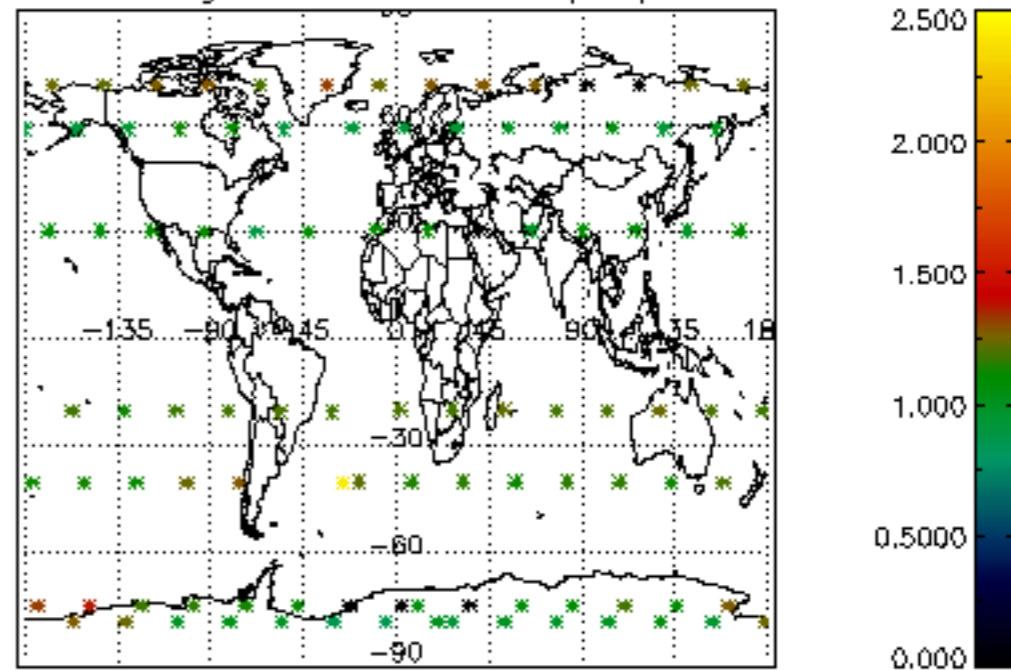




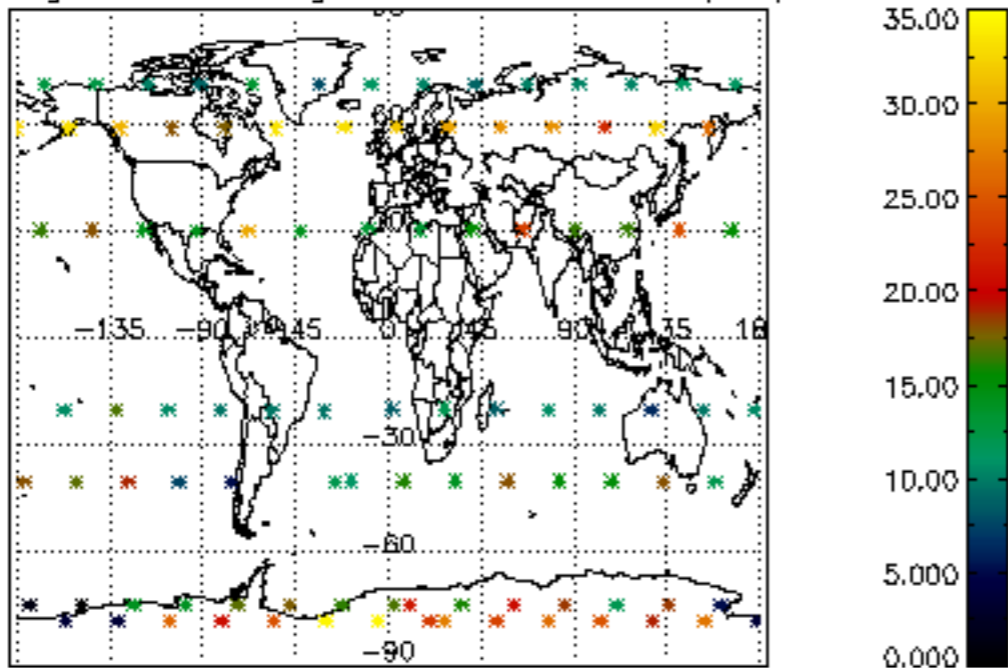
Percentage of cosmic ray hits per profile



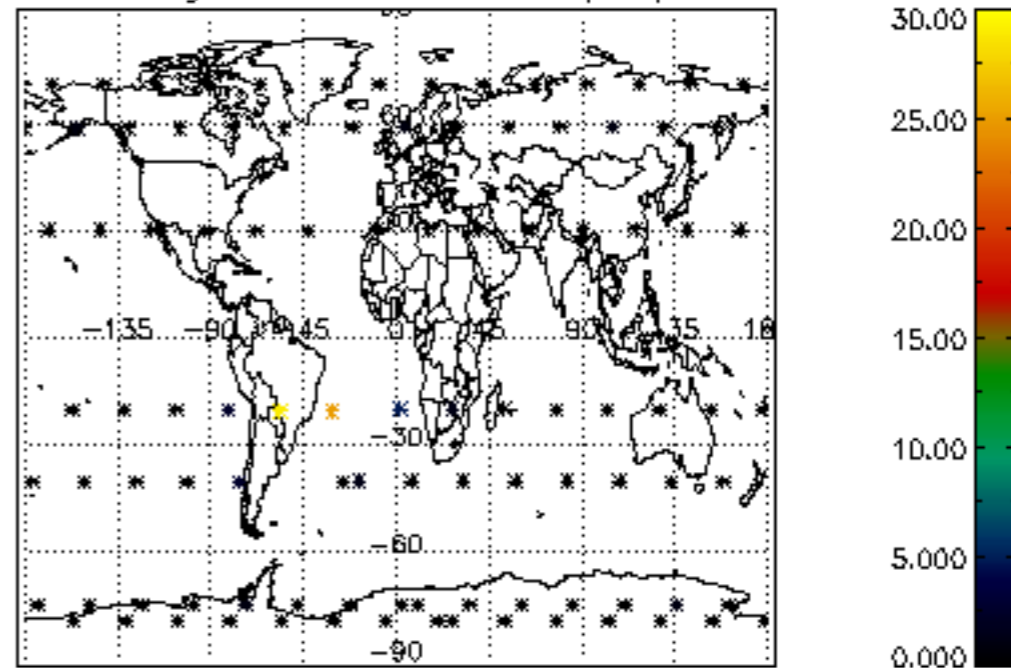
Percentage of datation errors per profile



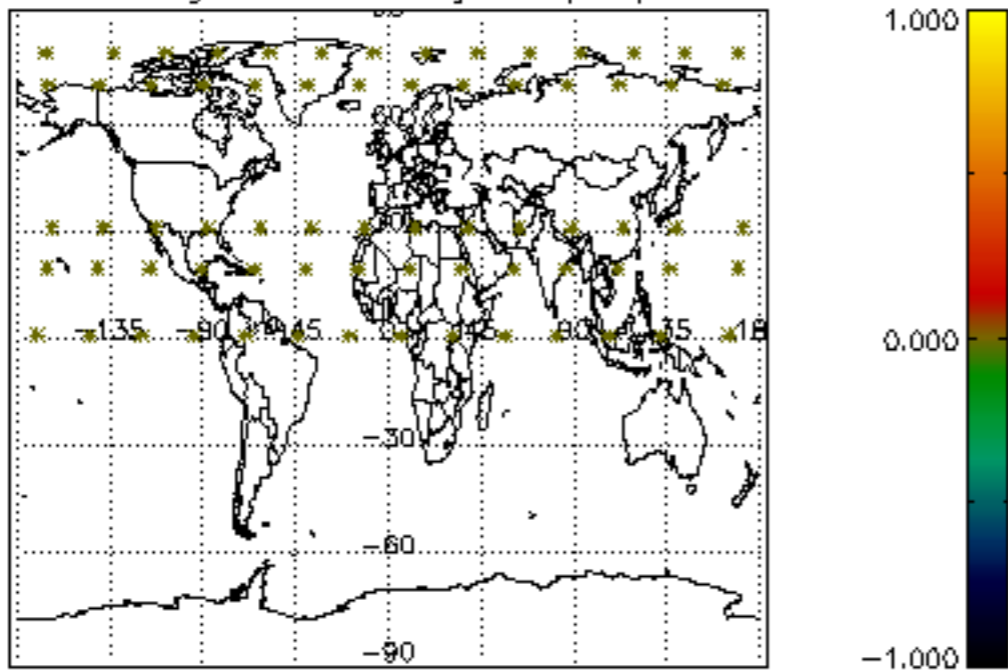
Percentage of star falling outside central band per profile



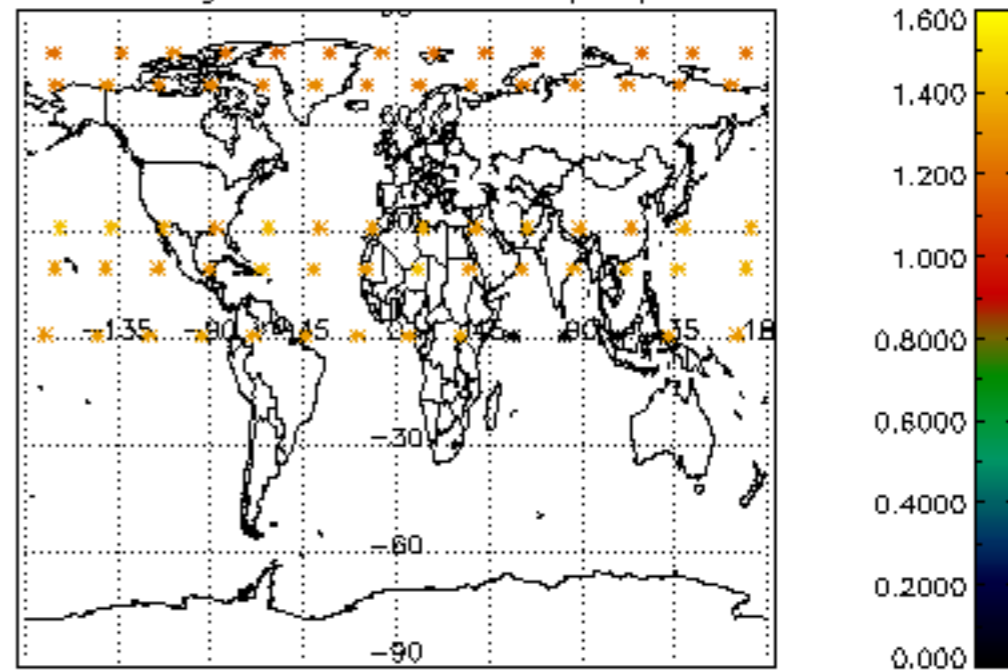
Percentage of saturation errors per profile



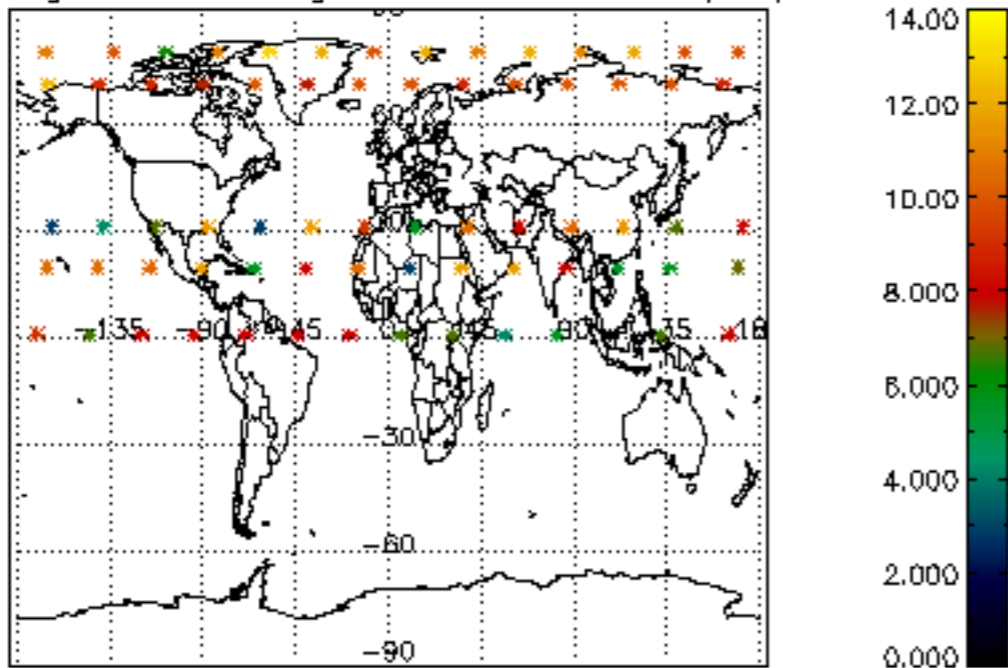
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

