

# GOMOS Level 2 Daily Report

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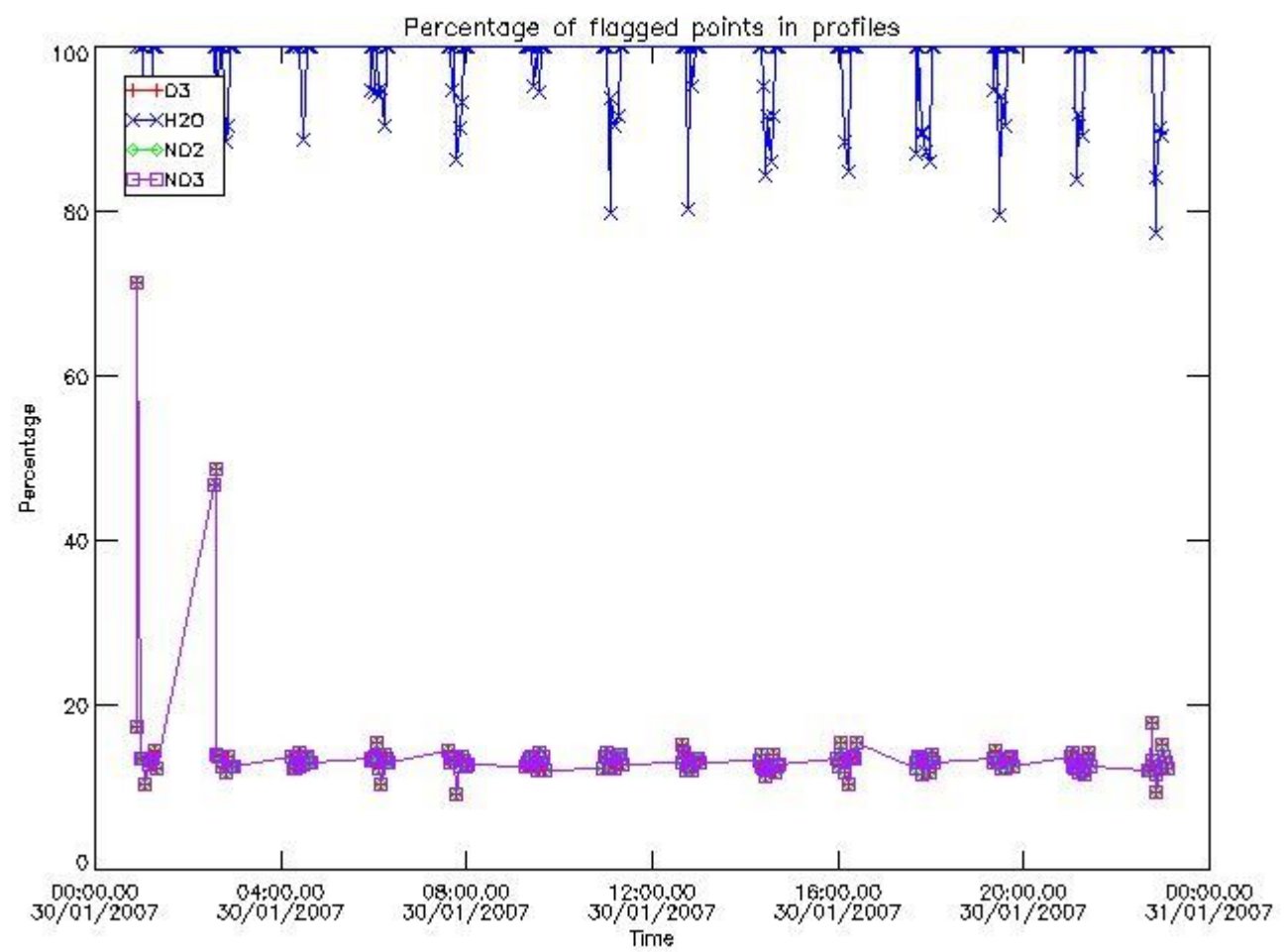
338	GOM_NL__2PRFIN20070130_213510_000000452055_00115_25720_5689.N1	30-JAN-2007 21:35:10	Straylight	44.500	1	9Alp CMa	-1.4400	11000.	89	25720	No
339	GOM_NL__2PRFIN20070130_214154_000000392055_00115_25720_5690.N1	30-JAN-2007 21:41:54	Twl_and_stray	38.500	153	3Bet CMI	2.8940	13100.	77	25720	No
340	GOM_NL__2PRFIN20070130_214424_000000362055_00115_25720_5691.N1	30-JAN-2007 21:44:24	Bright	35.500	44	24Gam Gem	1.9280	11000.	71	25720	No
341	GOM_NL__2PRFIN20070130_214614_000000372055_00115_25720_5692.N1	30-JAN-2007 21:46:14	Bright	37.000	151	13Mu Gem	2.8900	3000.0	74	25720	No
342	GOM_NL__2PRFIN20070130_215031_000000362055_00115_25720_5693.N1	30-JAN-2007 21:50:31	Bright	35.500	107	37The Aur	2.6490	11000.	71	25720	No
343	GOM_NL__2PRFIN20070130_215237_000000372055_00115_25720_5694.N1	30-JAN-2007 21:52:37	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	25720	No
344	GOM_NL__2PRFIN20070130_220455_000000362055_00115_25720_5695.N1	30-JAN-2007 22:04:55	Bright	36.000	49	1Alp UMI	1.9900	6300.0	72	25720	No
345	GOM_NL__2PRFIN20070130_221607_000000342055_00115_25720_5696.N1	30-JAN-2007 22:16:07	Bright	33.500	69	33Gam Dra	2.2310	3800.0	67	25720	No
346	GOM_NL__2PRFIN20070130_221930_000000342055_00115_25720_5697.N1	30-JAN-2007 22:19:30	Bright	34.000	5	3Alp Lyr	0.033000	11000.	68	25720	No
347	GOM_NL__2PRFIN20070130_222740_000000362055_00115_25720_5698.N1	30-JAN-2007 22:27:40	Bright	35.500	59	55Alp Oph	2.0800	8900.0	71	25720	No
348	GOM_NL__2PRFIN20070130_222947_000000362055_00115_25720_5699.N1	30-JAN-2007 22:29:47	Bright	36.000	126	60Bet Oph	2.7700	4250.0	72	25720	No
349	GOM_NL__2PRFIN20070130_223612_000000442055_00115_25720_5700.N1	30-JAN-2007 22:36:12	Twl_and_stray	44.000	86	35Eta Oph	2.4300	10200.	88	25720	No
350	GOM_NL__2PRFIN20070130_224119_000000422055_00115_25720_5701.N1	30-JAN-2007 22:41:19	Dark	42.000	25	35Lam Sco	1.6200	28000.	84	25720	No
351	GOM_NL__2PRFIN20070130_224248_000000422055_00115_25720_5702.N1	30-JAN-2007 22:42:48	Dark	42.000	40	The Sco	1.8590	7100.0	84	25720	No
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366	GOM_NL__2PRFIN20070130_232230_000000402055_00116_25721_5705.N1	30-JAN-2007 23:22:30	Twl_and_stray	40.000	153	3Bet CMI	2.8940	13100.	80	25721	No
367	GOM_NL__2PRFIN20070130_232500_000000362055_00116_25721_5706.N1	30-JAN-2007 23:25:00	Bright	35.500	44	24Gam Gem	1.9280	11000.	71	25721	No
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369	GOM_NL__2PRFIN20070130_233107_000000342055_00116_25721_5708.N1	30-JAN-2007 23:31:07	Bright	34.000	107	37The Aur	2.6490	11000.	68	25721	No
370	GOM_NL__2PRFIN20070130_233313_000000352055_00116_25721_5709.N1	30-JAN-2007 23:33:13	Bright	35.000	42	34Bet Aur	1.9000	10200.	70	25721	No
371	GOM_NL__2PRFIN20070130_234531_000000322055_00116_25721_5710.N1	30-JAN-2007 23:45:31	Bright	32.000	49	1Alp UMI	1.9900	6300.0	64	25721	No
372	GOM_NL__2PRFIN20070130_235643_000000382055_00116_25721_5711.N1	30-JAN-2007 23:56:43	Bright	37.500	69	33Gam Dra	2.2310	3800.0	75	25721	No

### 3. Quality information per product

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

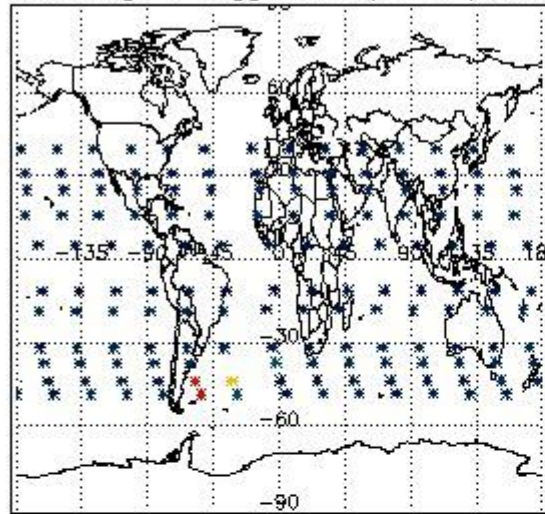
#### 3.1 Plot quality information per product (time dependant)



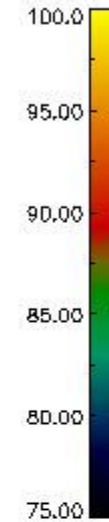
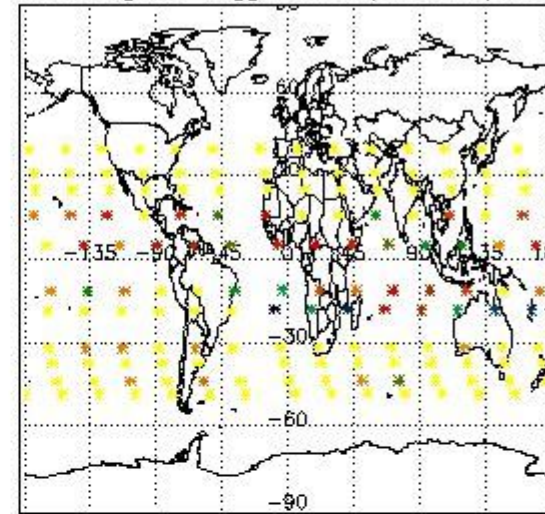


3.2 Plot quality information per product (world map)

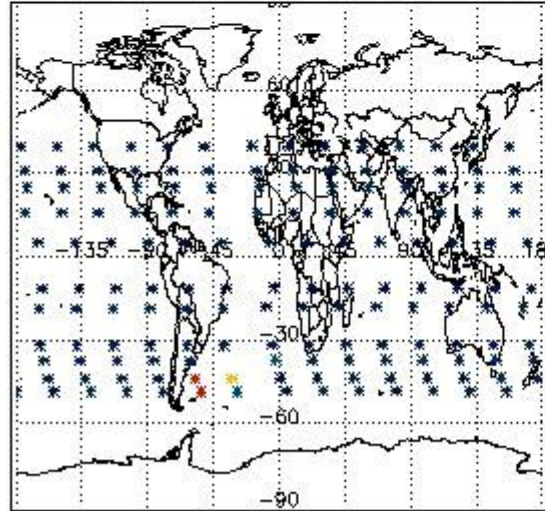
Percentage of flagged data per O3 profile



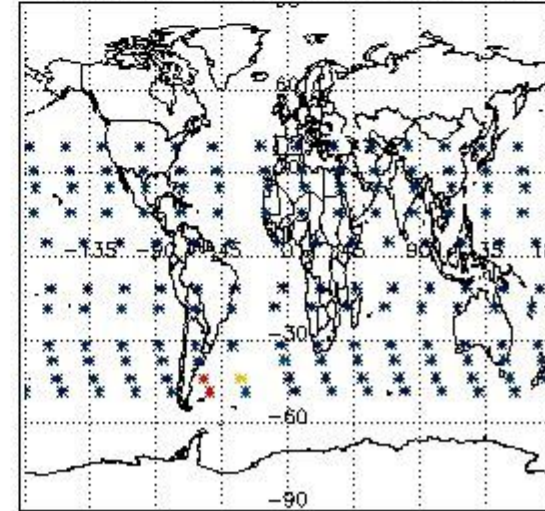
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

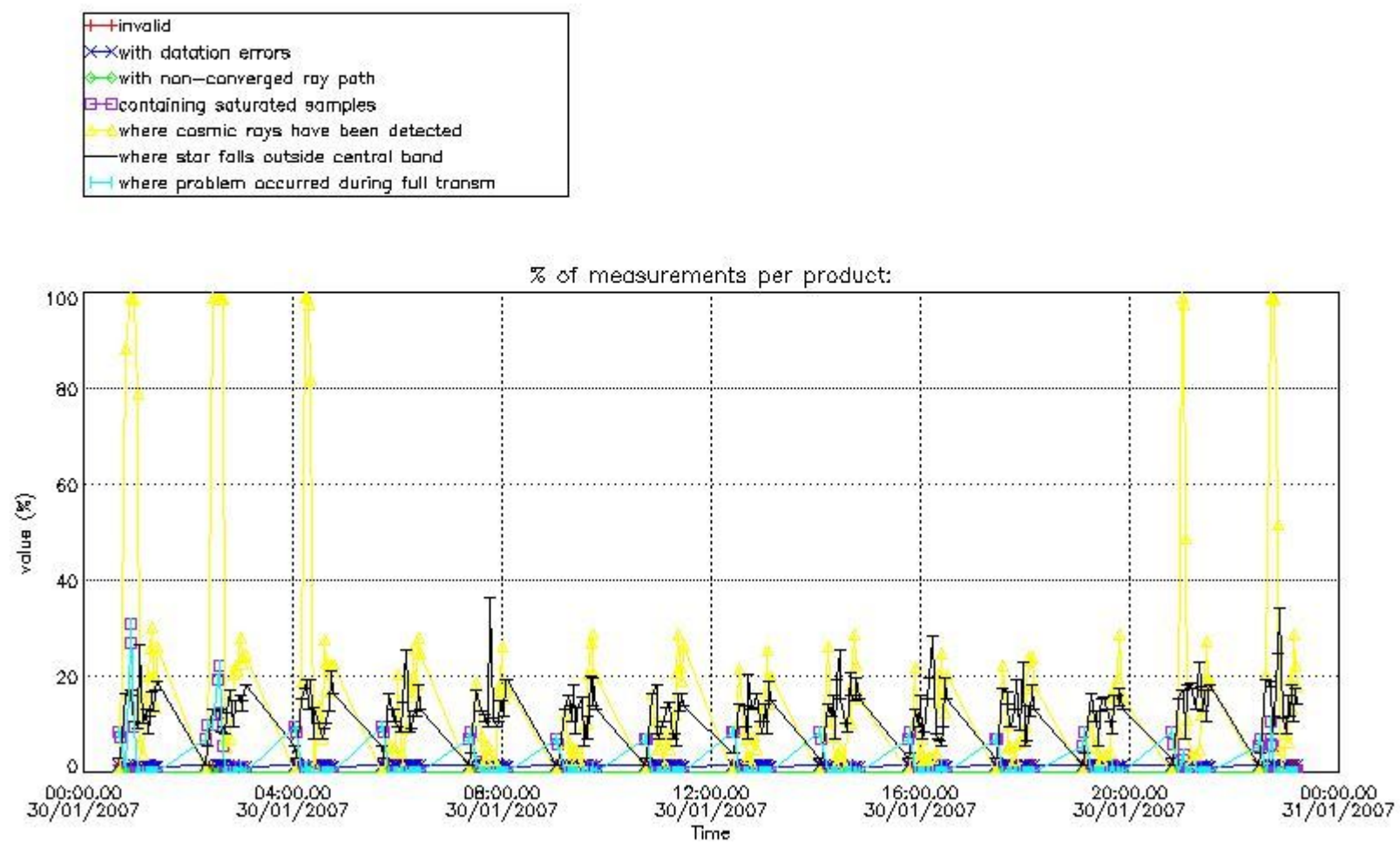


#### 4. Level 1 quality information per product

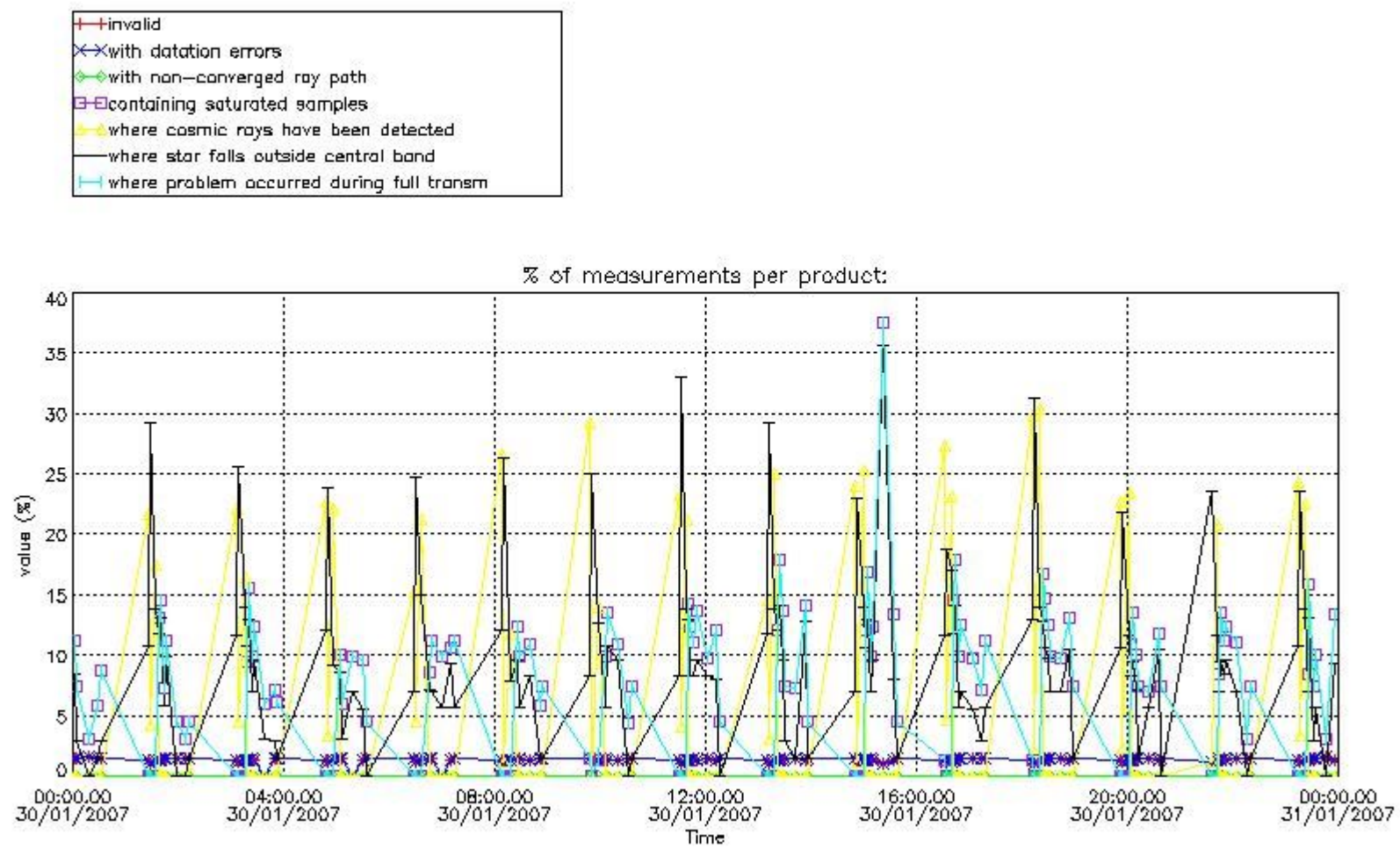
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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

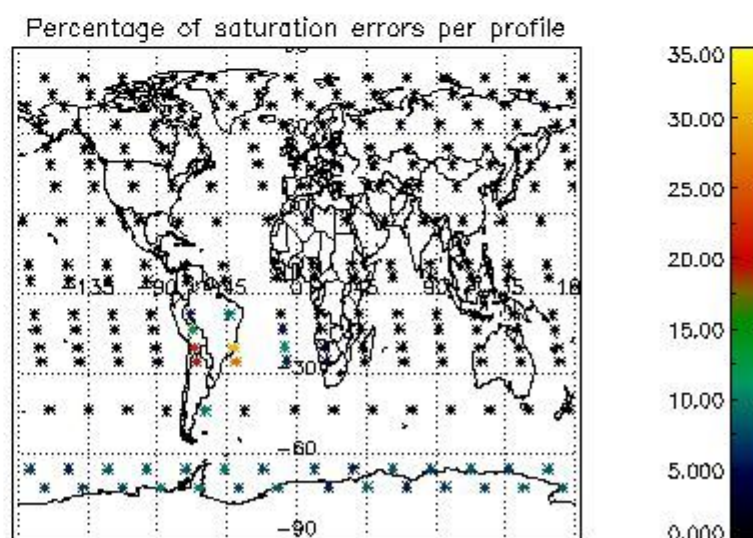
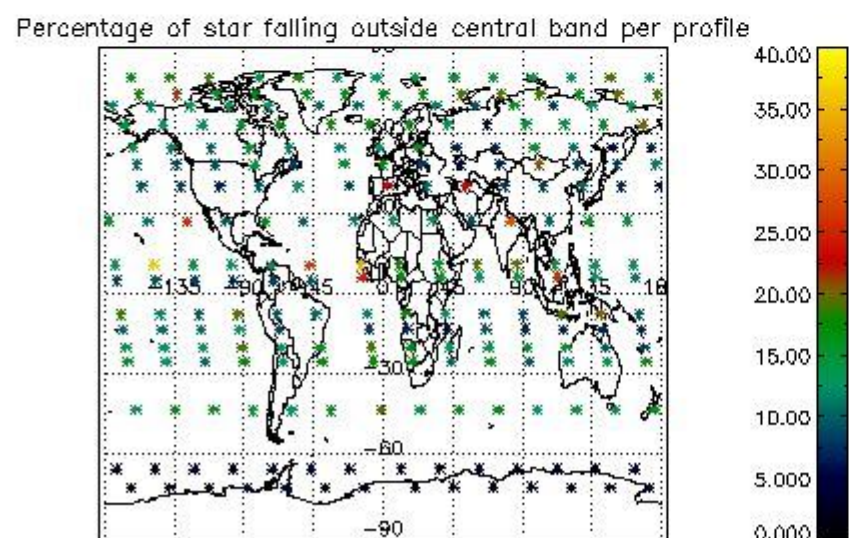
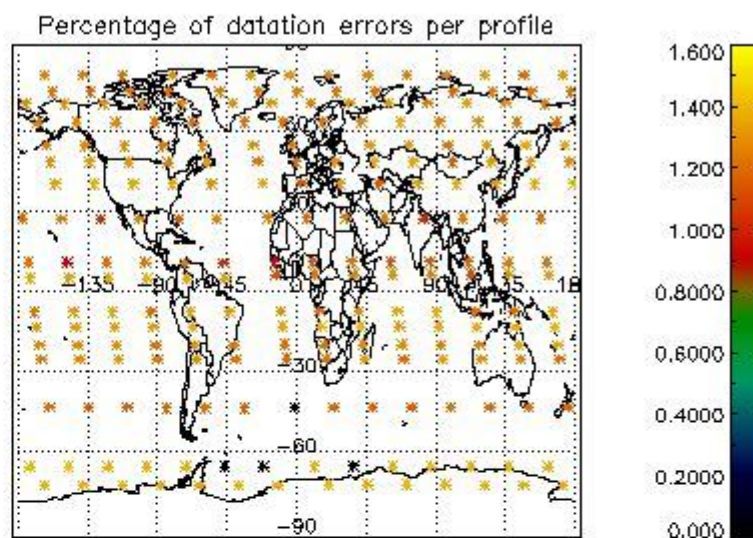
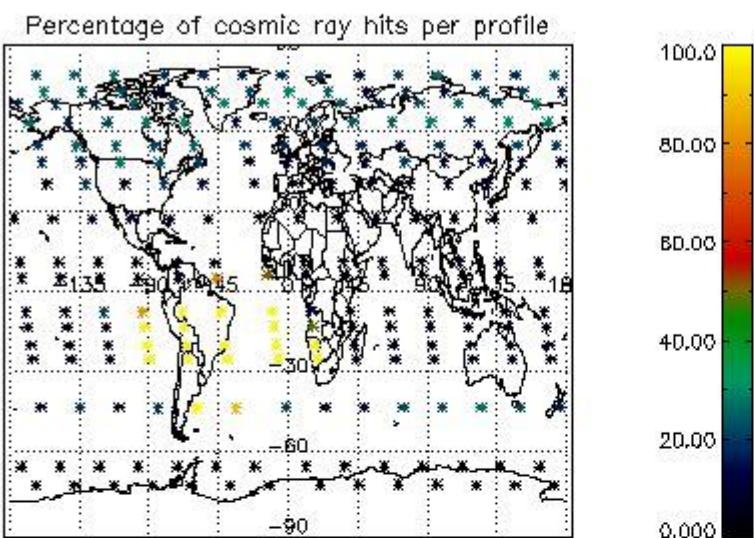


4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes

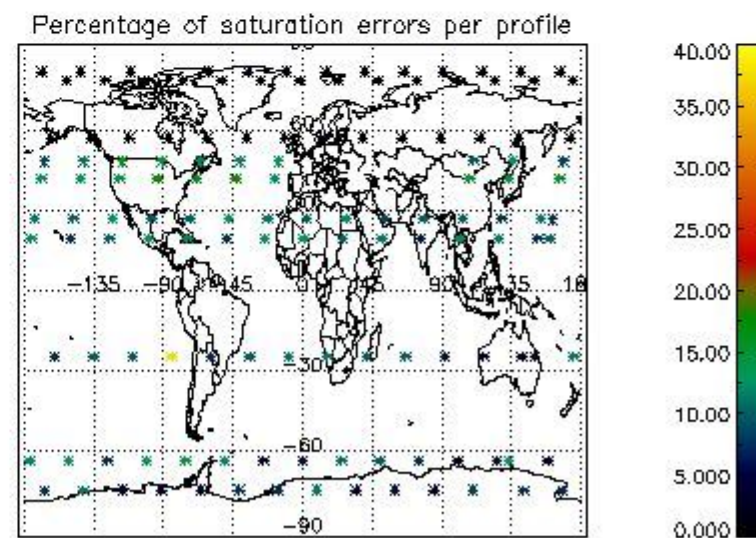
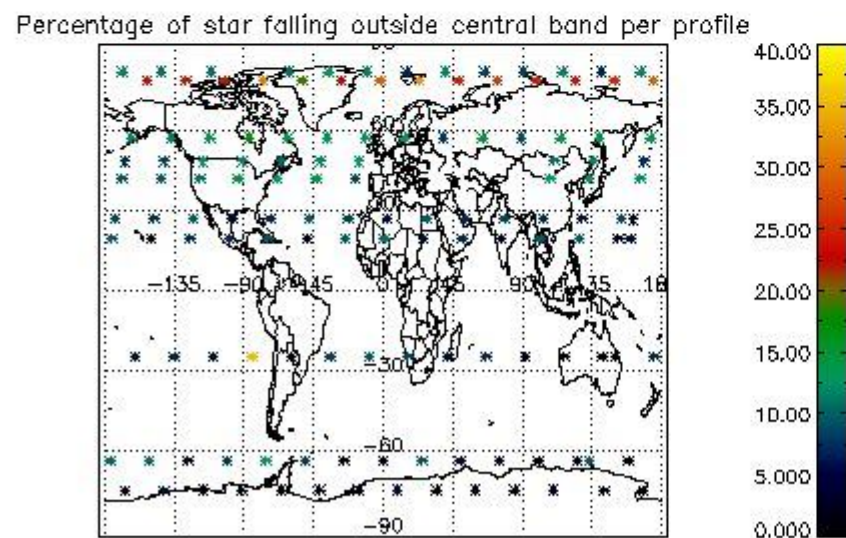
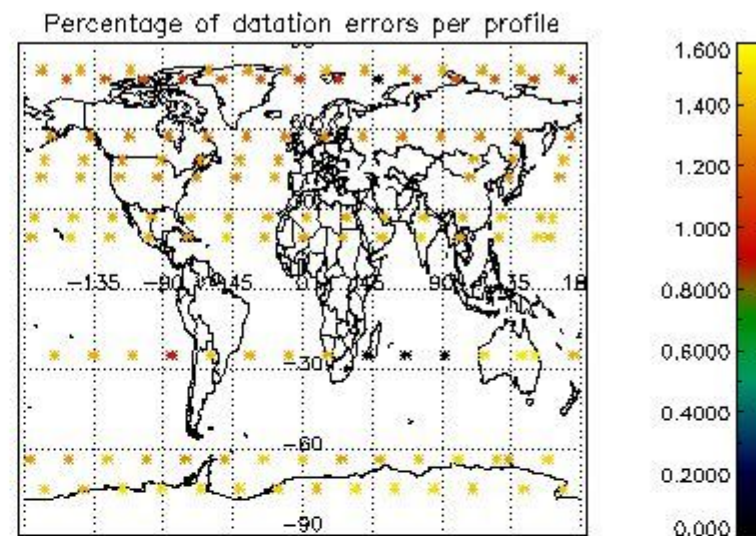
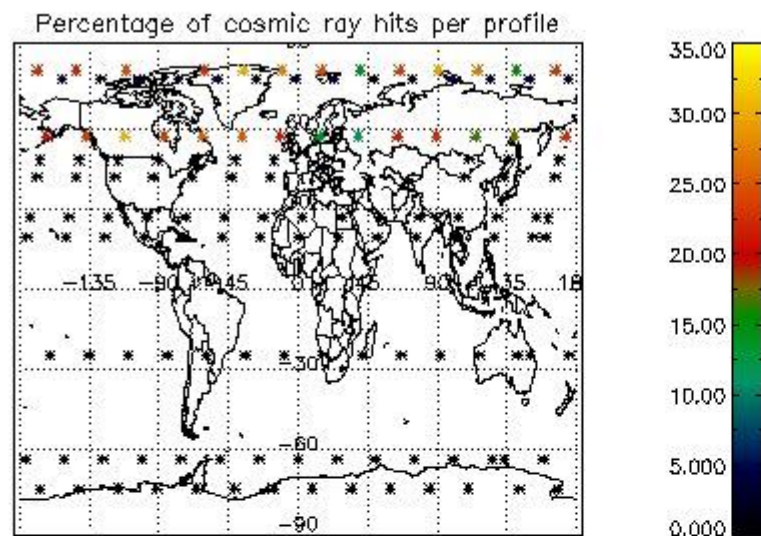


#### 4.2 Plot quality information per product coming from level 1b processing (world map)

##### 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

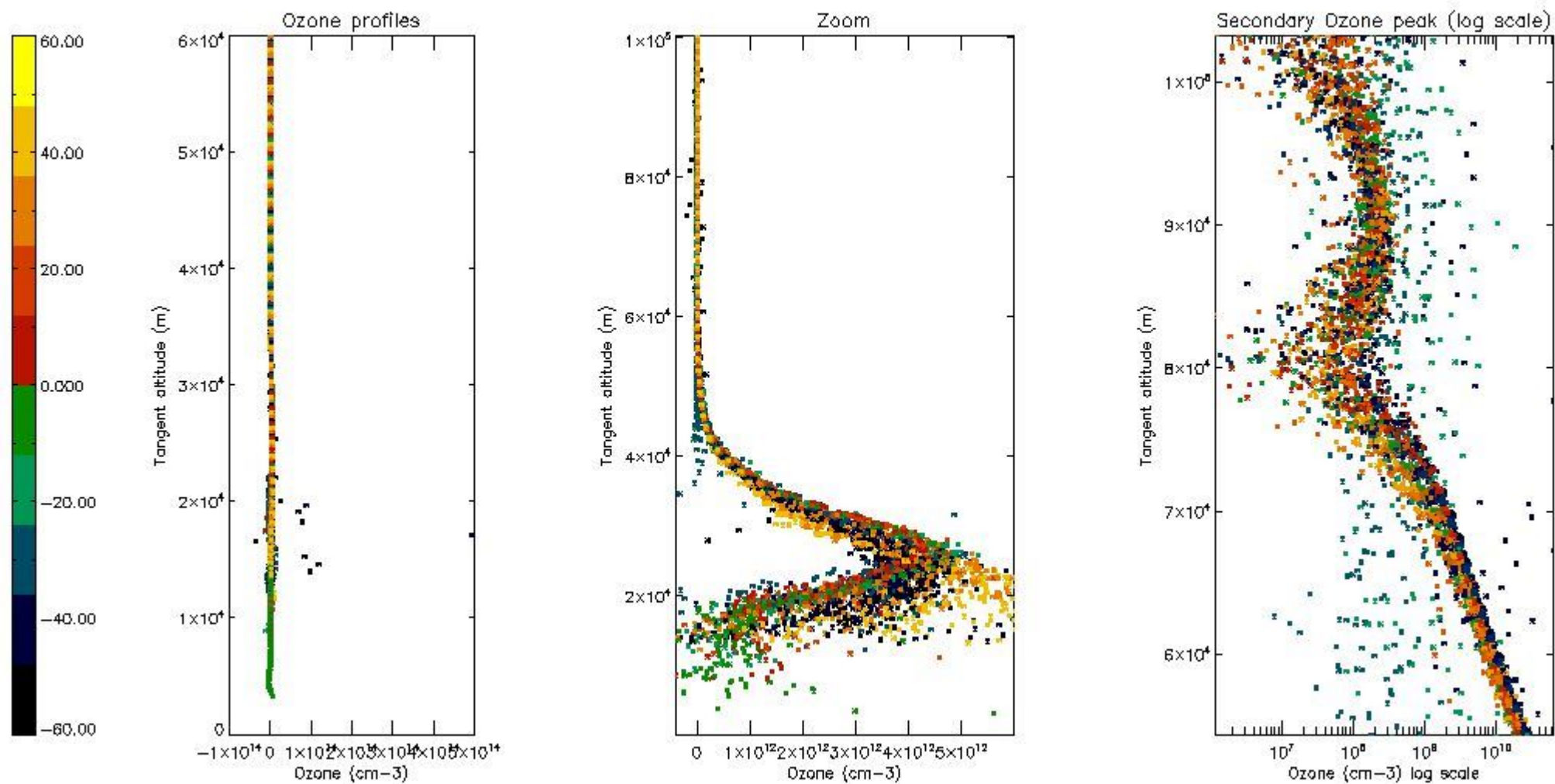
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	43
STD < 20	23

STD < 10	20
STD < 5	12

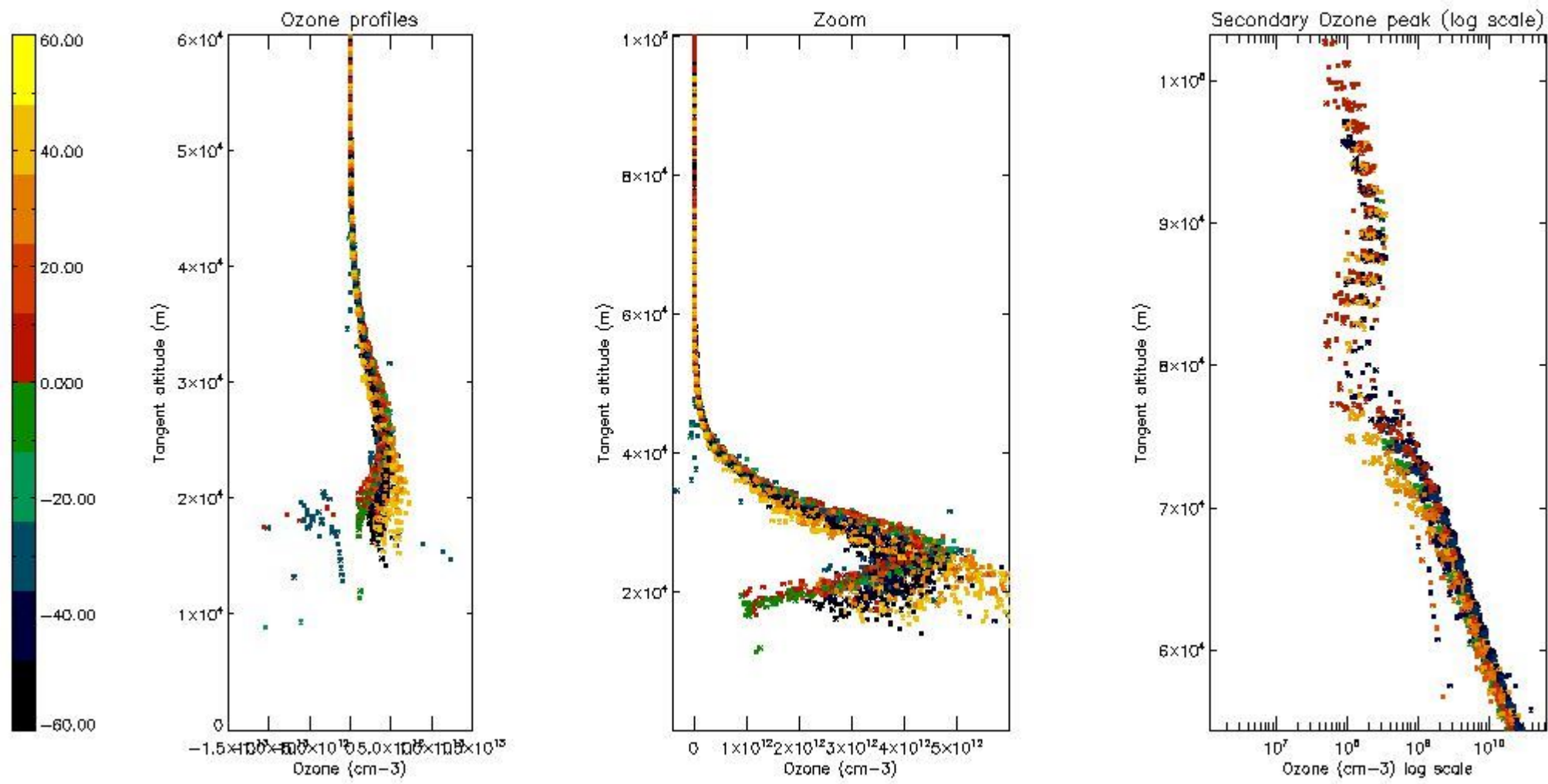
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

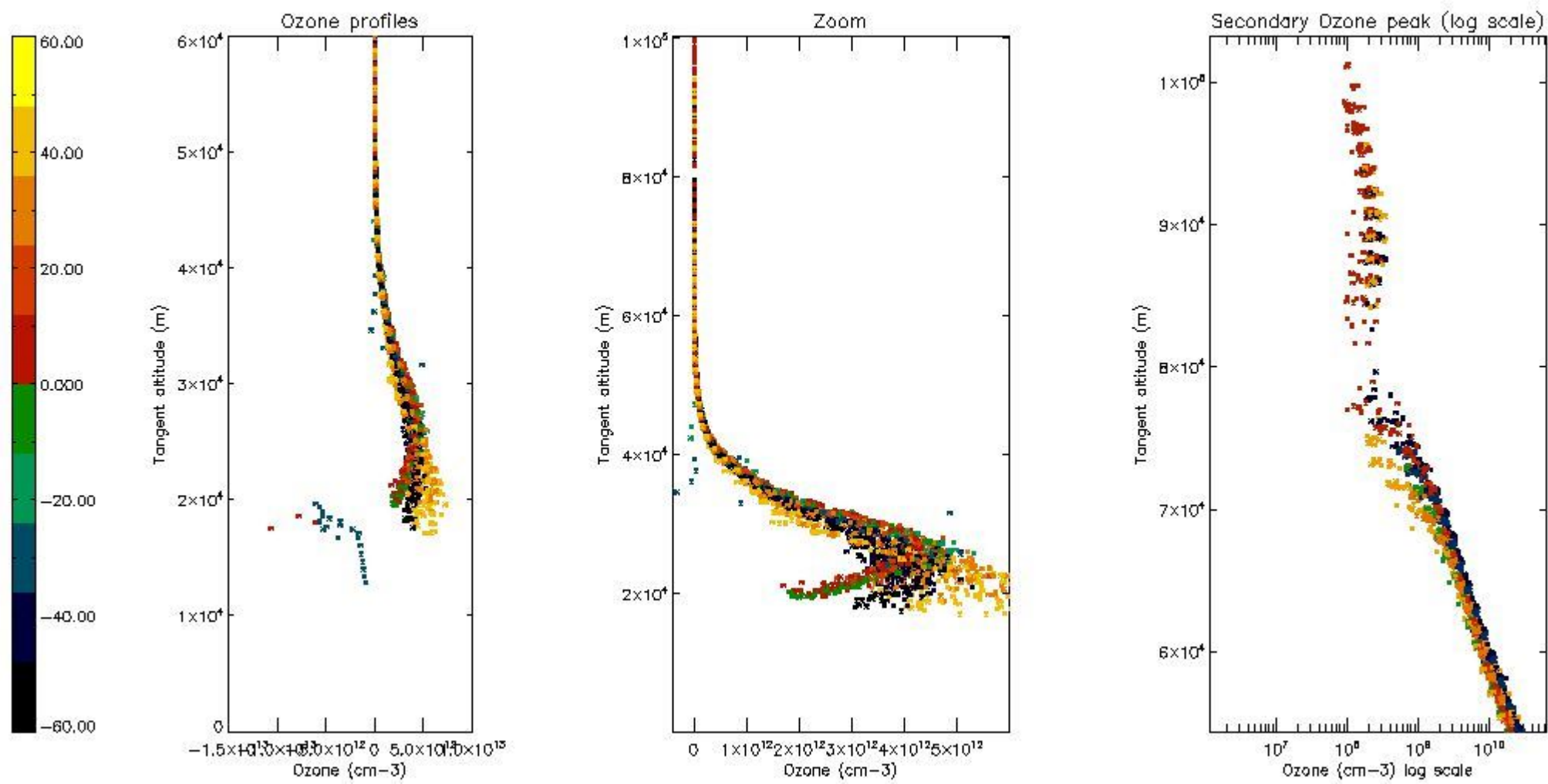
The colorbar represents the latitude.



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

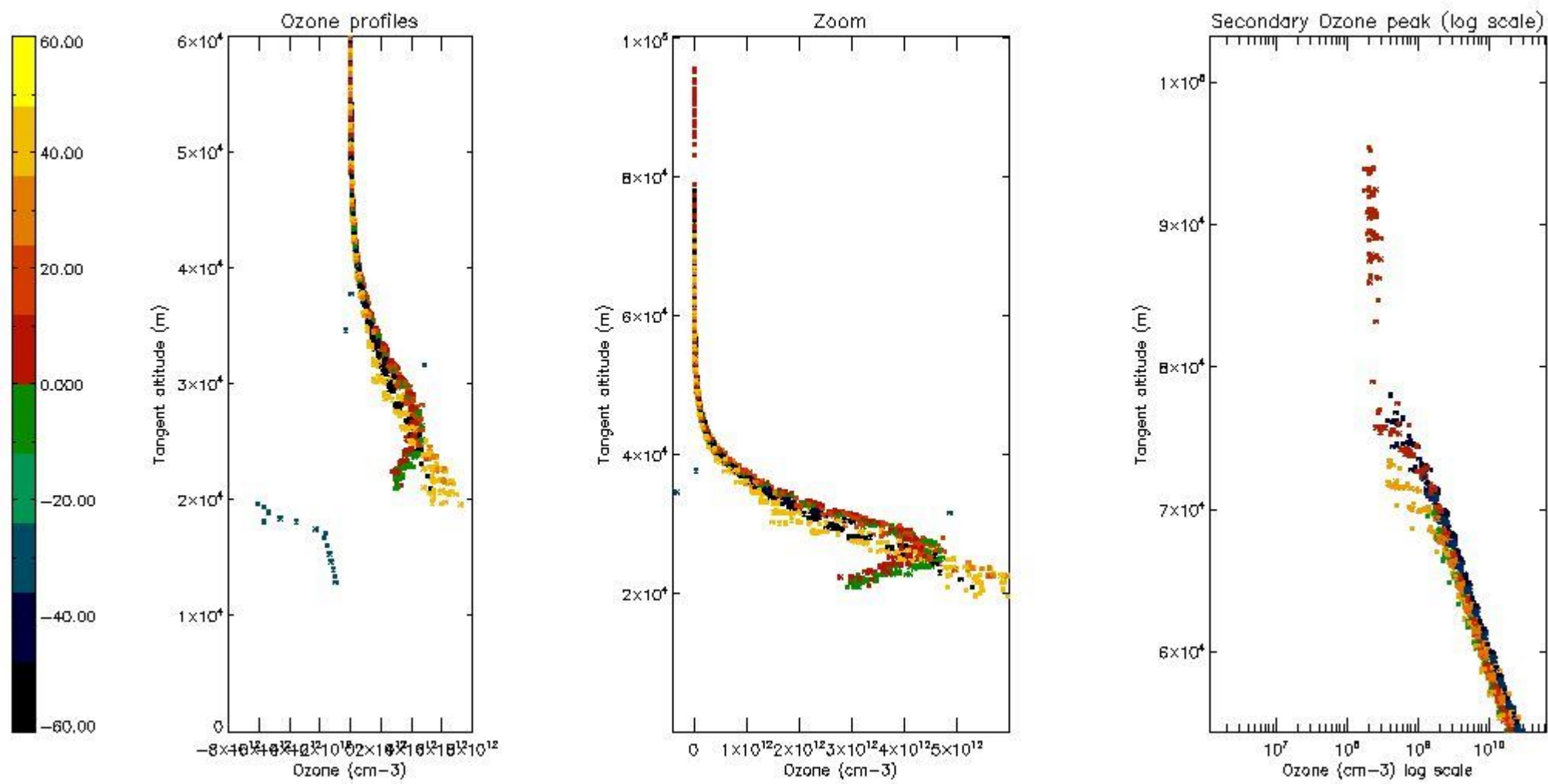
The colorbar represents the latitude.





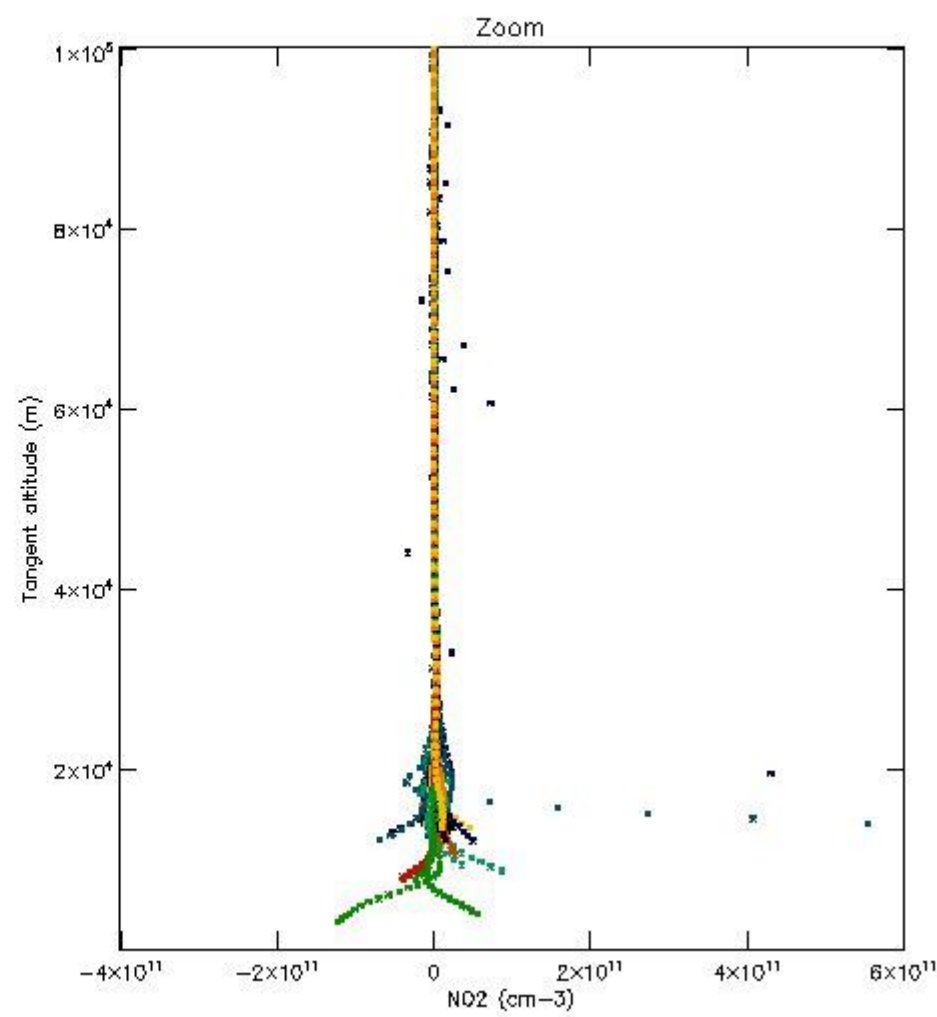
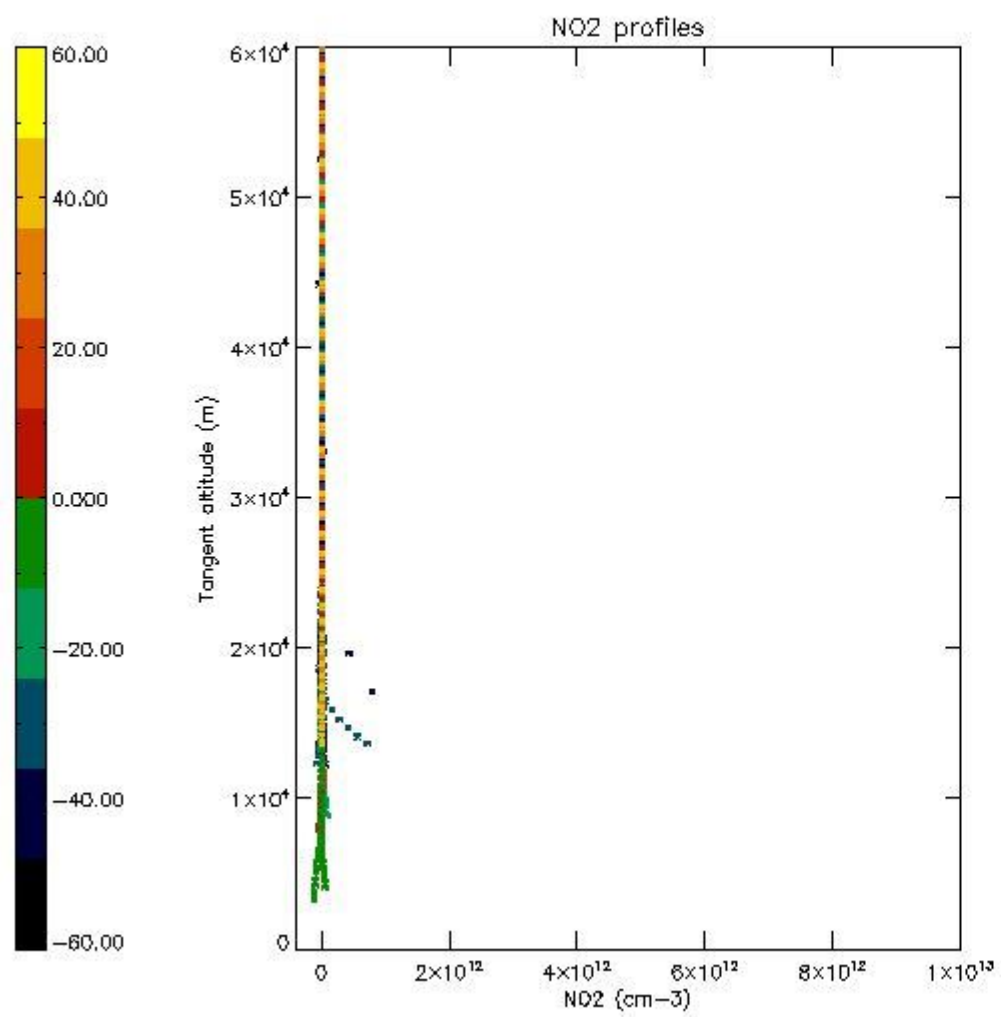
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



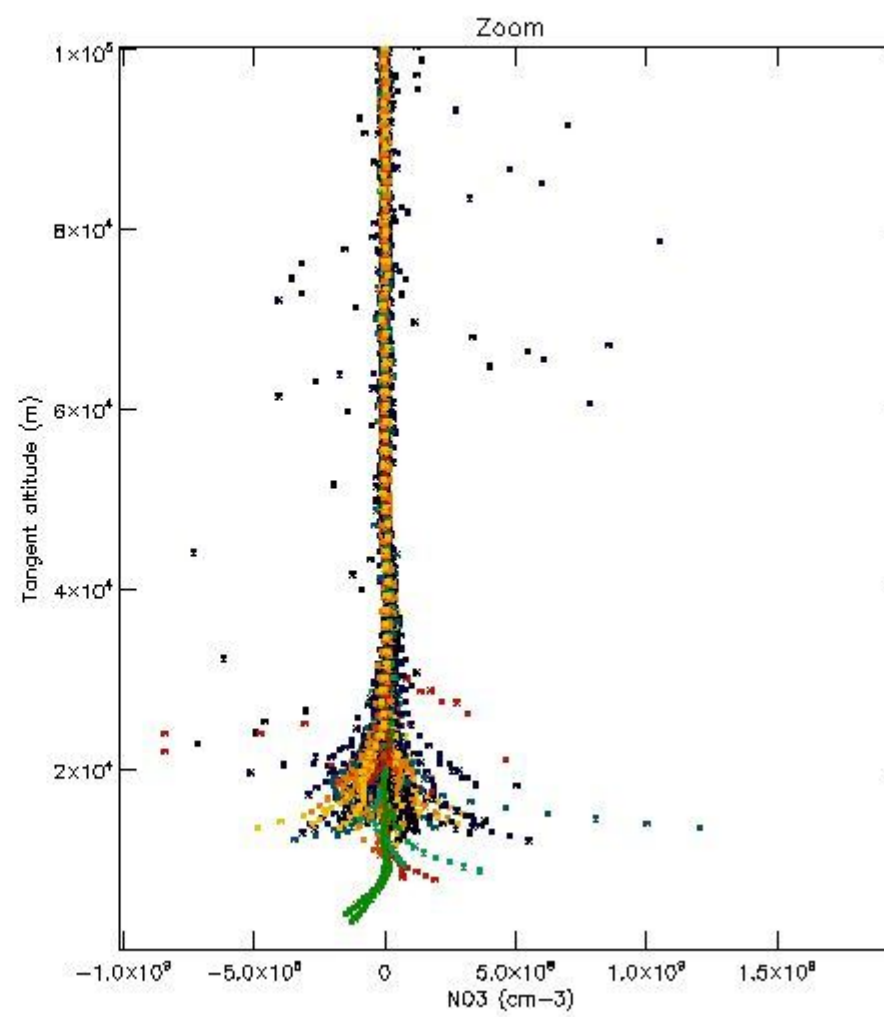
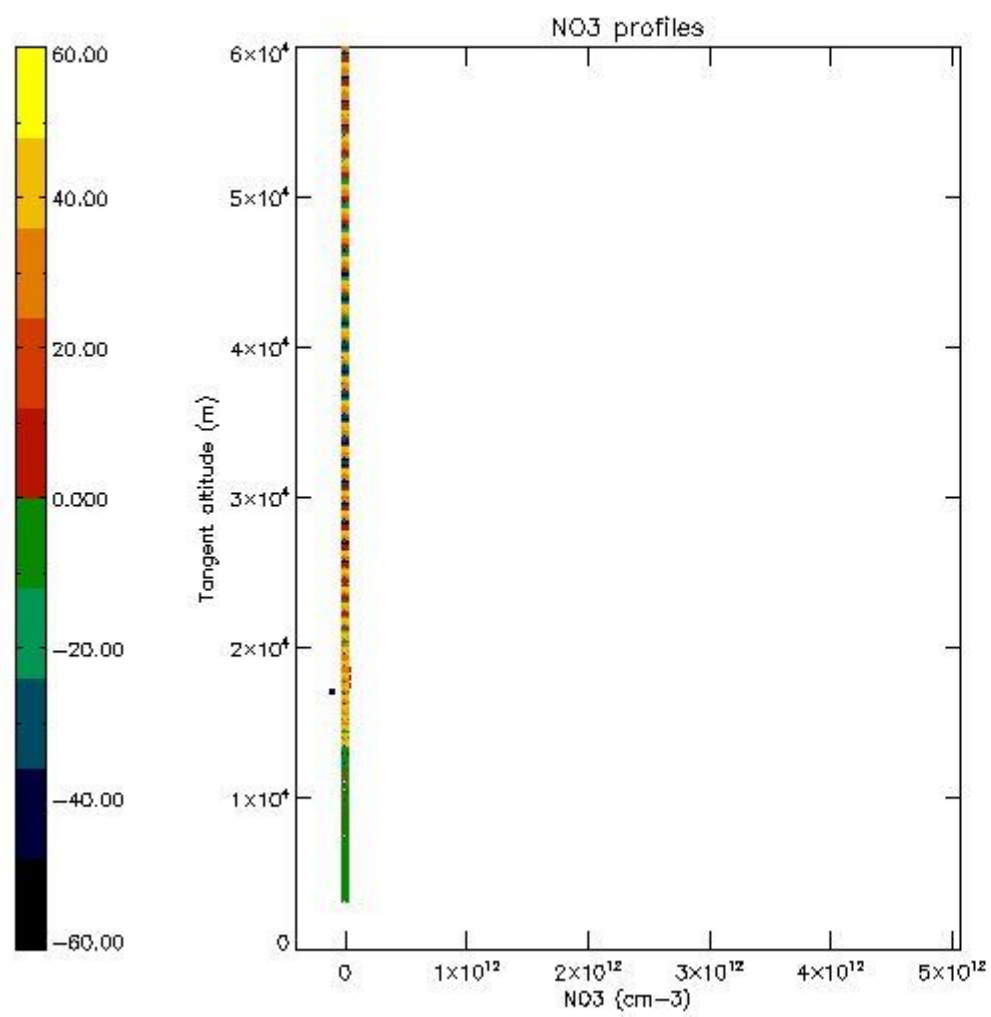
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



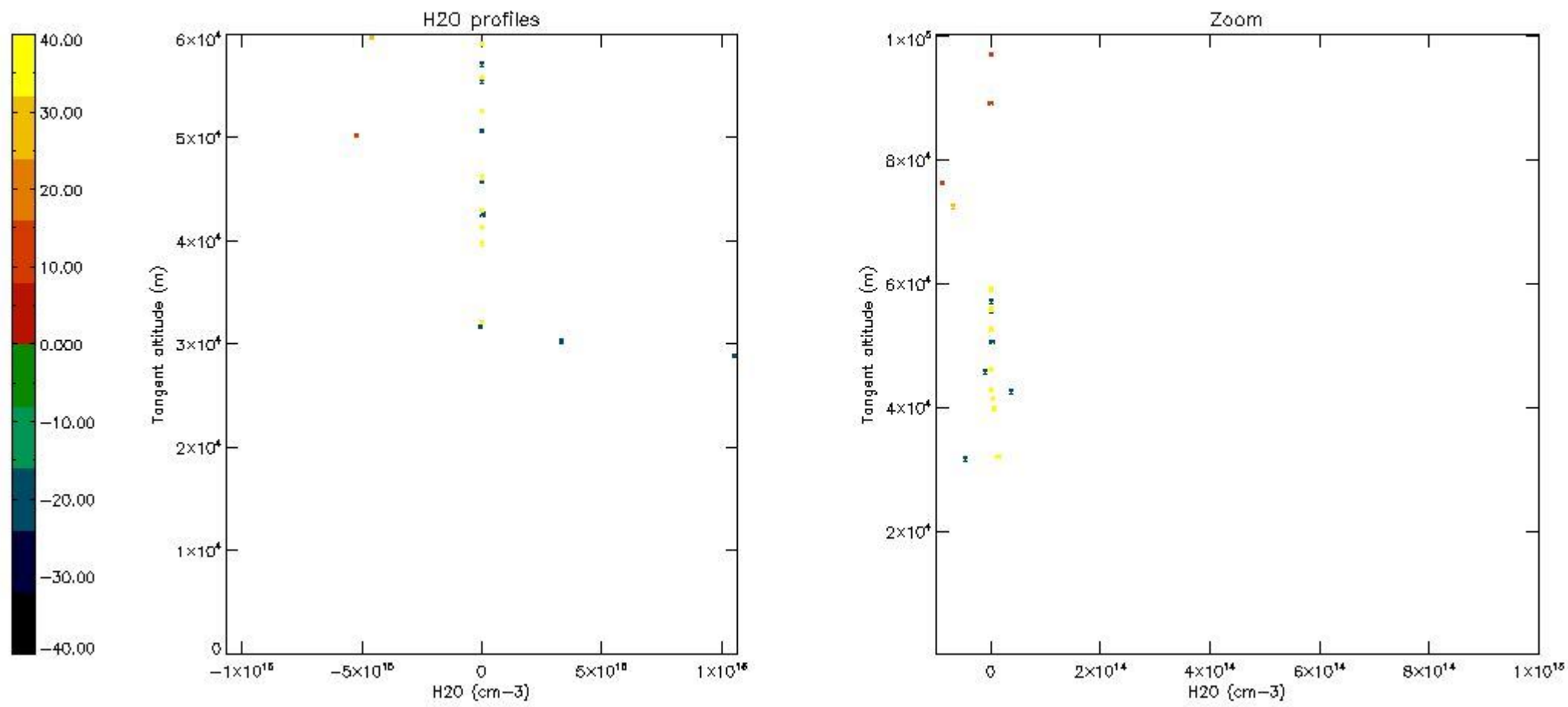
*5.7 Plot NO3 profiles for all STD (dark without errors)*

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-JAN-2007 00:02:41
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	30-JAN-2007 00:02:41
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	30-JAN-2007 00:02:41

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#### [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](#)

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#### [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](#)













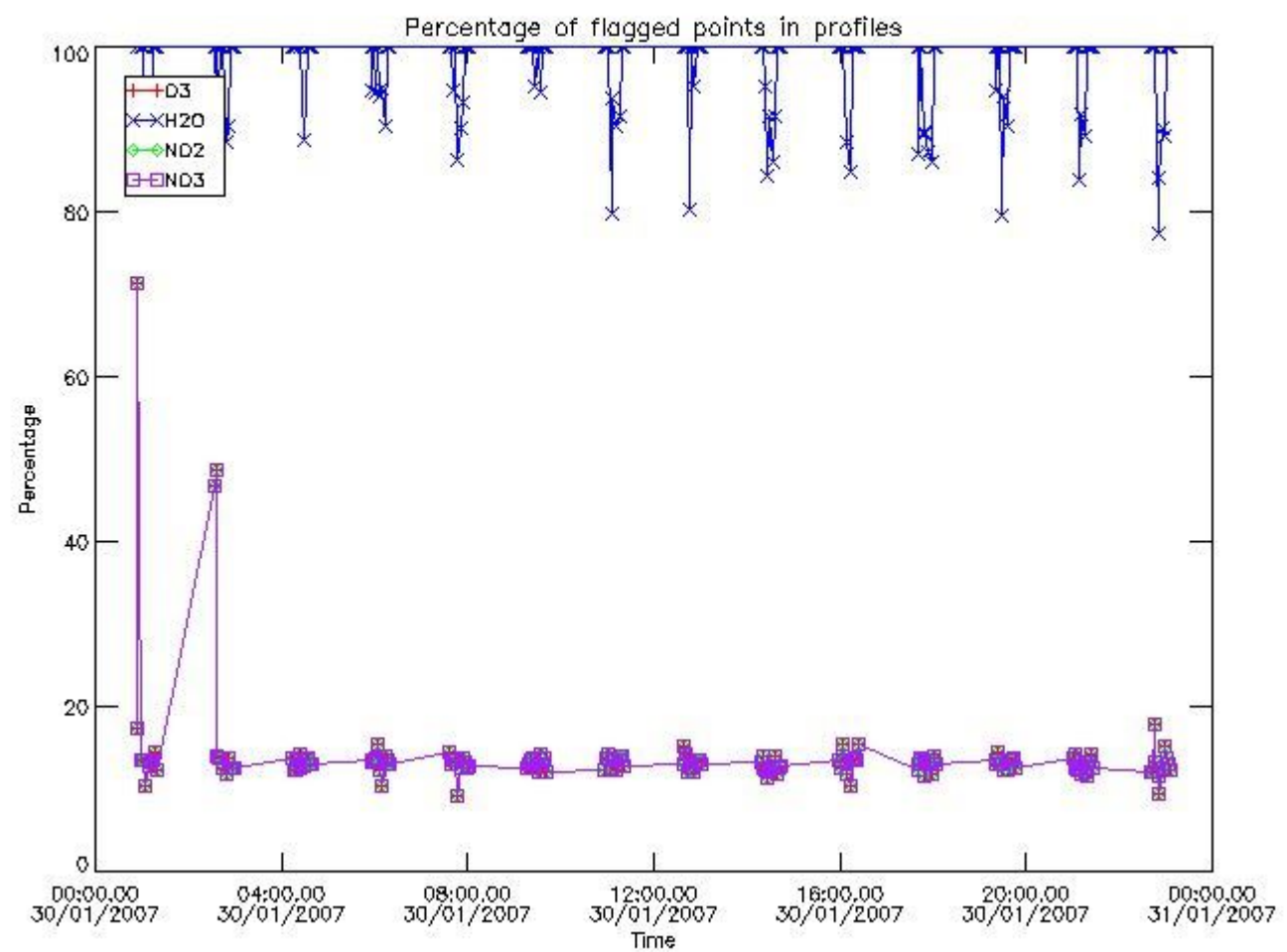


338	GOM_NL__2PRFIN20070130_213510_000000452055_00115_25720_5689.N1	30-JAN-2007 21:35:10	Straylight	44.500	1	9Alp CMa	-1.4400	11000.	89	25720	No
339	GOM_NL__2PRFIN20070130_214154_000000392055_00115_25720_5690.N1	30-JAN-2007 21:41:54	Twl_and_stray	38.500	153	3Bet CMI	2.8940	13100.	77	25720	No
340	GOM_NL__2PRFIN20070130_214424_000000362055_00115_25720_5691.N1	30-JAN-2007 21:44:24	Bright	35.500	44	24Gam Gem	1.9280	11000.	71	25720	No
341	GOM_NL__2PRFIN20070130_214614_000000372055_00115_25720_5692.N1	30-JAN-2007 21:46:14	Bright	37.000	151	13Mu Gem	2.8900	3000.0	74	25720	No
342	GOM_NL__2PRFIN20070130_215031_000000362055_00115_25720_5693.N1	30-JAN-2007 21:50:31	Bright	35.500	107	37The Aur	2.6490	11000.	71	25720	No
343	GOM_NL__2PRFIN20070130_215237_000000372055_00115_25720_5694.N1	30-JAN-2007 21:52:37	Bright	36.500	42	34Bet Aur	1.9000	10200.	73	25720	No
344	GOM_NL__2PRFIN20070130_220455_000000362055_00115_25720_5695.N1	30-JAN-2007 22:04:55	Bright	36.000	49	1Alp UMI	1.9900	6300.0	72	25720	No
345	GOM_NL__2PRFIN20070130_221607_000000342055_00115_25720_5696.N1	30-JAN-2007 22:16:07	Bright	33.500	69	33Gam Dra	2.2310	3800.0	67	25720	No
346	GOM_NL__2PRFIN20070130_221930_000000342055_00115_25720_5697.N1	30-JAN-2007 22:19:30	Bright	34.000	5	3Alp Lyr	0.033000	11000.	68	25720	No
347	GOM_NL__2PRFIN20070130_222740_000000362055_00115_25720_5698.N1	30-JAN-2007 22:27:40	Bright	35.500	59	55Alp Oph	2.0800	8900.0	71	25720	No
348	GOM_NL__2PRFIN20070130_222947_000000362055_00115_25720_5699.N1	30-JAN-2007 22:29:47	Bright	36.000	126	60Bet Oph	2.7700	4250.0	72	25720	No
349	GOM_NL__2PRFIN20070130_223612_000000442055_00115_25720_5700.N1	30-JAN-2007 22:36:12	Twl_and_stray	44.000	86	35Eta Oph	2.4300	10200.	88	25720	No
350	GOM_NL__2PRFIN20070130_224119_000000422055_00115_25720_5701.N1	30-JAN-2007 22:41:19	Dark	42.000	25	35Lam Sco	1.6200	28000.	84	25720	No
351	GOM_NL__2PRFIN20070130_224248_000000422055_00115_25720_5702.N1	30-JAN-2007 22:42:48	Dark	42.000	40	The Sco	1.8590	7100.0	84	25720	No
352	GOM_NL__2PRFIN20070130_224441_000000372055_00115_25720_5703.N1	30-JAN-2007 22:44:41	Dark	37.000	147	Alp Ara	2.8770	26000.	74	25720	No
353	GOM_NL__2PRFIN20070130_224615_000000392055_00115_25720_5704.N1	30-JAN-2007 22:46:15	Dark	38.500	141	Bet Ara	2.8400	4600.0	77	25720	No
354	GOM_NL__2PRFIN20070130_225008_000000452055_00116_25721_5693.N1	30-JAN-2007 22:50:08	Dark	44.500	43	Alp TrA	1.9100	4250.0	89	25721	No
355	GOM_NL__2PRFIN20070130_225128_000000542055_00116_25721_5694.N1	30-JAN-2007 22:51:28	Dark	54.000	4	Alp1Cen	-0.010000	5800.0	108	25721	No
356	GOM_NL__2PRFIN20070130_225604_000000412055_00116_25721_5695.N1	30-JAN-2007 22:56:04	Dark	40.500	12	Alp1Cru	0.77500	30000.	81	25721	No
357	GOM_NL__2PRFIN20070130_225941_000000372055_00116_25721_5696.N1	30-JAN-2007 22:59:41	Dark	37.000	29	Bet Car	1.6720	10200.	74	25721	No
358	GOM_NL__2PRFIN20070130_230201_000000412055_00116_25721_5697.N1	30-JAN-2007 23:02:01	Dark	41.000	71	lot Car	2.2460	7700.0	82	25721	No
359	GOM_NL__2PRFIN20070130_230347_000000392055_00116_25721_5698.N1	30-JAN-2007 23:03:47	Dark	39.000	46	Del Vel	1.9540	10600.	78	25721	No
360	GOM_NL__2PRFIN20070130_230619_000000422055_00116_25721_5699.N1	30-JAN-2007 23:06:19	Dark	41.500	34	Gam2Vel	1.7930	23000.	83	25721	No
361	GOM_NL__2PRFIN20070130_230824_000000392055_00116_25721_5700.N1	30-JAN-2007 23:08:24	Straylight	38.500	70	Zet Pup	2.2460	39000.	77	25721	No
362	GOM_NL__2PRFIN20070130_230948_000000412055_00116_25721_5701.N1	30-JAN-2007 23:09:48	Straylight	40.500	117	Pi Pup	2.7060	3800.0	81	25721	No
363	GOM_NL__2PRFIN20070130_231214_000000392055_00116_25721_5702.N1	30-JAN-2007 23:12:14	Straylight	39.000	23	21Eps CMa	1.5020	26000.	78	25721	No
364	GOM_NL__2PRFIN20070130_231337_000000372055_00116_25721_5703.N1	30-JAN-2007 23:13:37	Straylight	37.000	179	24Omi2CMa	3.0320	24000.	74	25721	No
365	GOM_NL__2PRFIN20070130_231546_000000452055_00116_25721_5704.N1	30-JAN-2007 23:15:46	Straylight	44.500	1	9Alp CMa	-1.4400	11000.	89	25721	No
366	GOM_NL__2PRFIN20070130_232230_000000402055_00116_25721_5705.N1	30-JAN-2007 23:22:30	Twl_and_stray	40.000	153	3Bet CMI	2.8940	13100.	80	25721	No
367	GOM_NL__2PRFIN20070130_232500_000000362055_00116_25721_5706.N1	30-JAN-2007 23:25:00	Bright	35.500	44	24Gam Gem	1.9280	11000.	71	25721	No
368	GOM_NL__2PRFIN20070130_232650_000000382055_00116_25721_5707.N1	30-JAN-2007 23:26:50	Bright	38.000	151	13Mu Gem	2.8900	3000.0	76	25721	No
369	GOM_NL__2PRFIN20070130_233107_000000342055_00116_25721_5708.N1	30-JAN-2007 23:31:07	Bright	34.000	107	37The Aur	2.6490	11000.	68	25721	No
370	GOM_NL__2PRFIN20070130_233313_000000352055_00116_25721_5709.N1	30-JAN-2007 23:33:13	Bright	35.000	42	34Bet Aur	1.9000	10200.	70	25721	No
371	GOM_NL__2PRFIN20070130_234531_000000322055_00116_25721_5710.N1	30-JAN-2007 23:45:31	Bright	32.000	49	1Alp UMI	1.9900	6300.0	64	25721	No
372	GOM_NL__2PRFIN20070130_235643_000000382055_00116_25721_5711.N1	30-JAN-2007 23:56:43	Bright	37.500	69	33Gam Dra	2.2310	3800.0	75	25721	No

### 3. Quality information per product

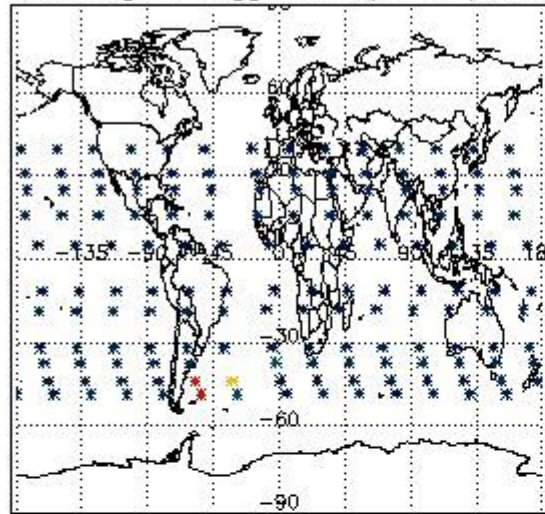
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

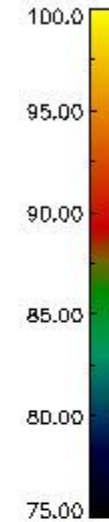
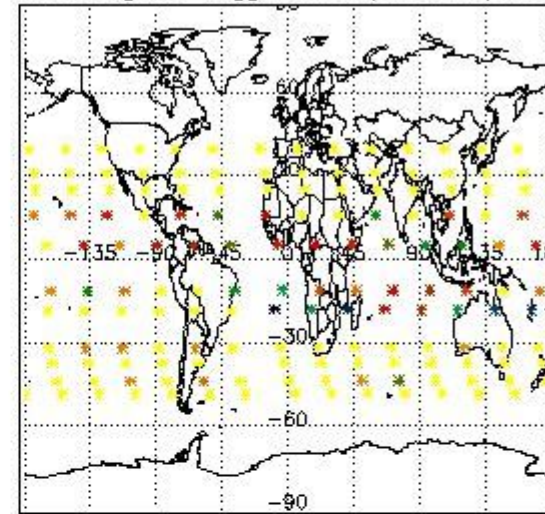


3.2 Plot quality information per product (world map)

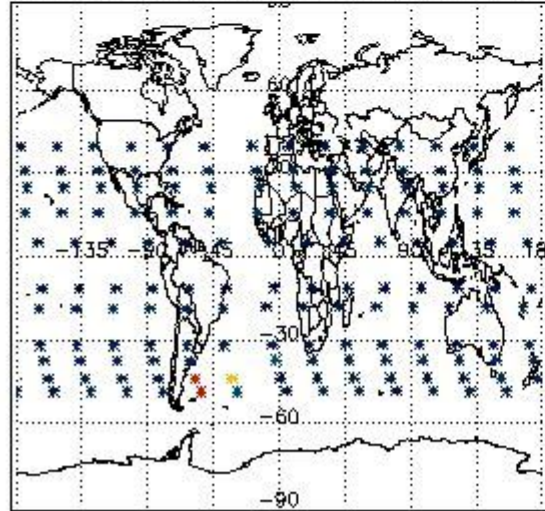
Percentage of flagged data per O3 profile



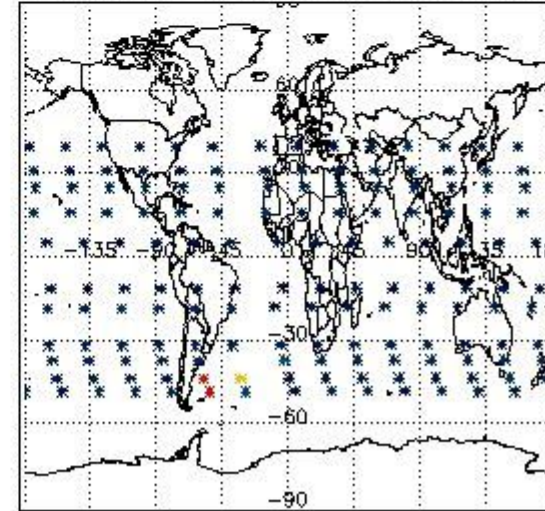
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

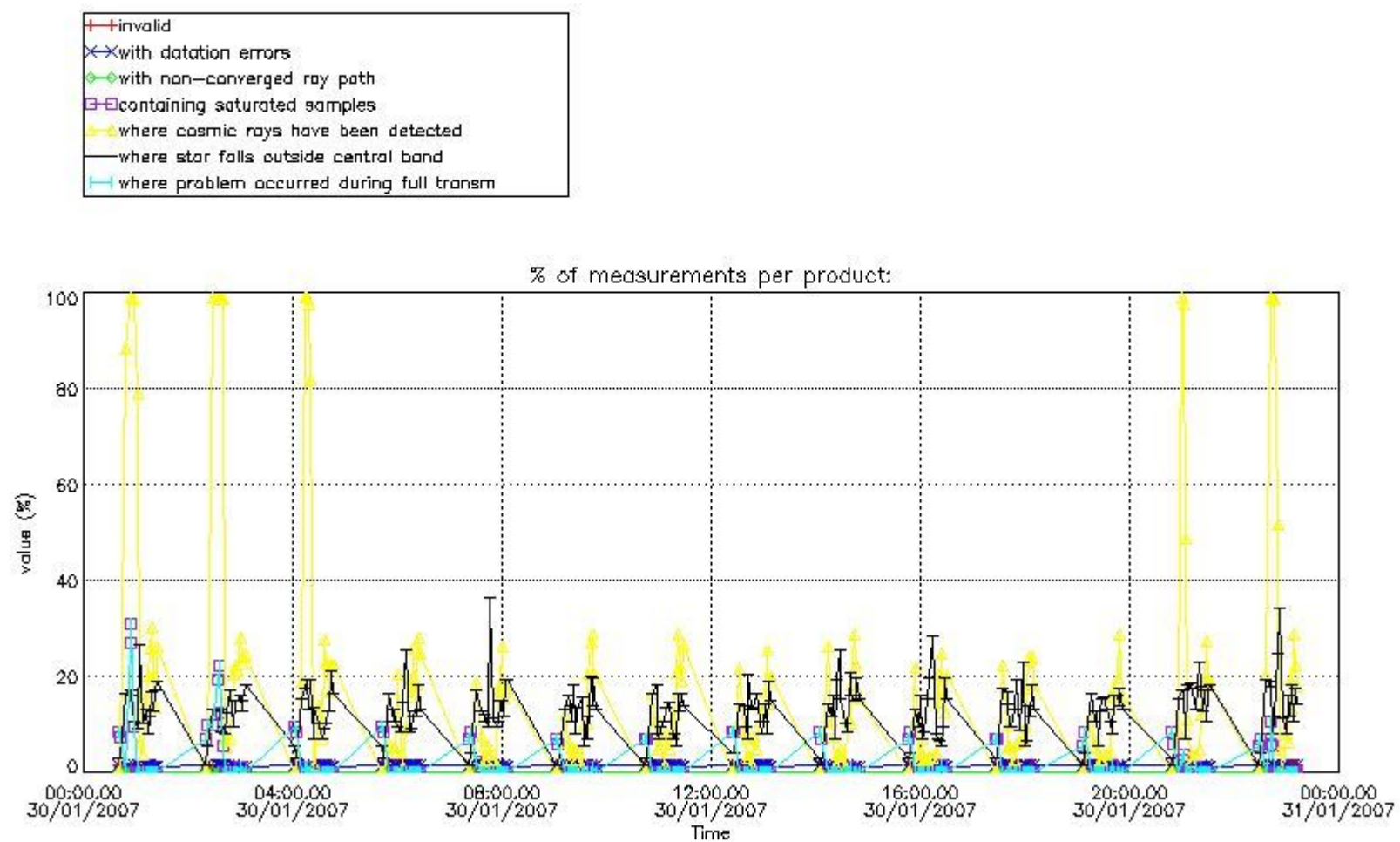


#### 4. Level 1 quality information per product

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

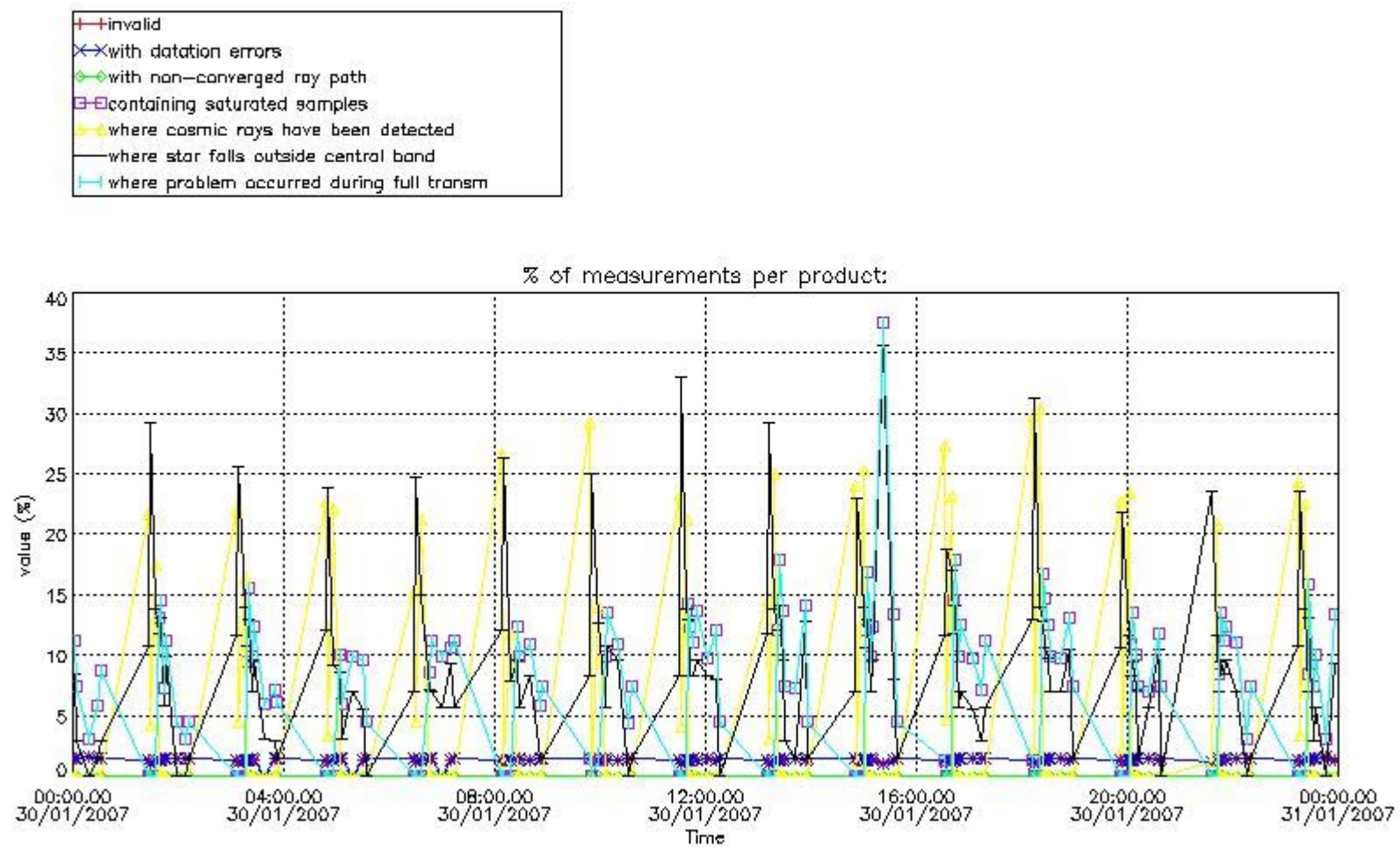
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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



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

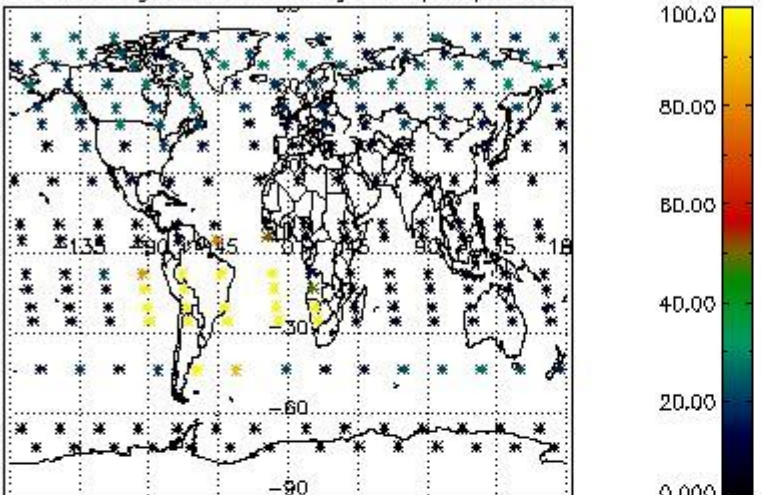




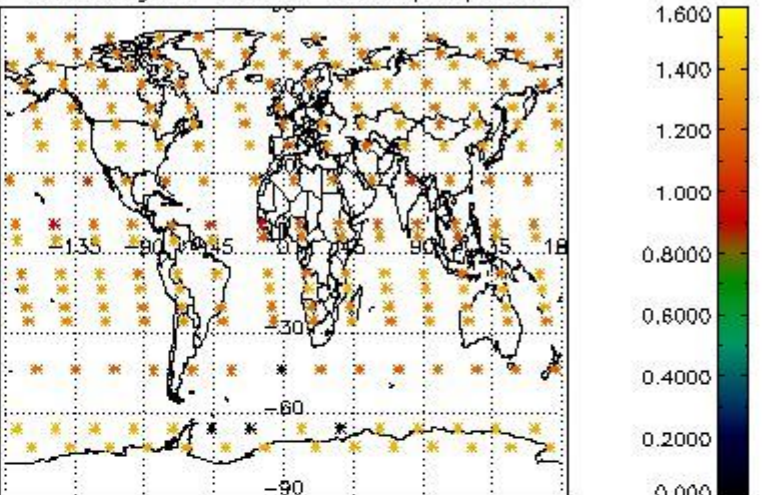
#### 4.2 Plot quality information per product coming from level 1b processing (world map)

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

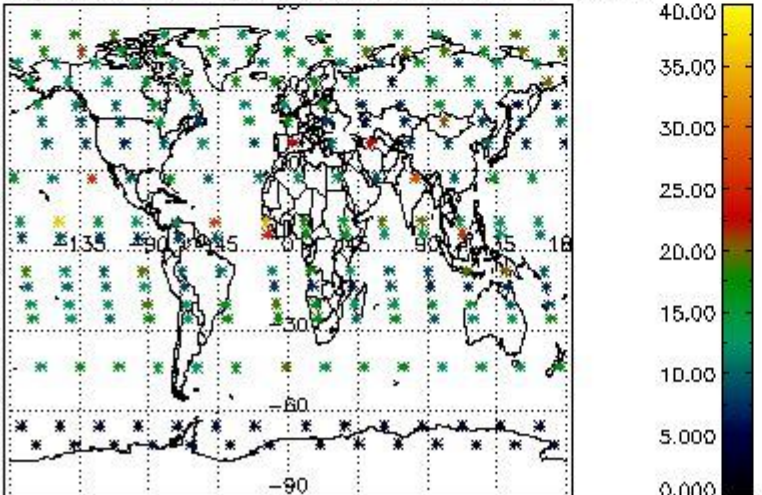
Percentage of cosmic ray hits per profile



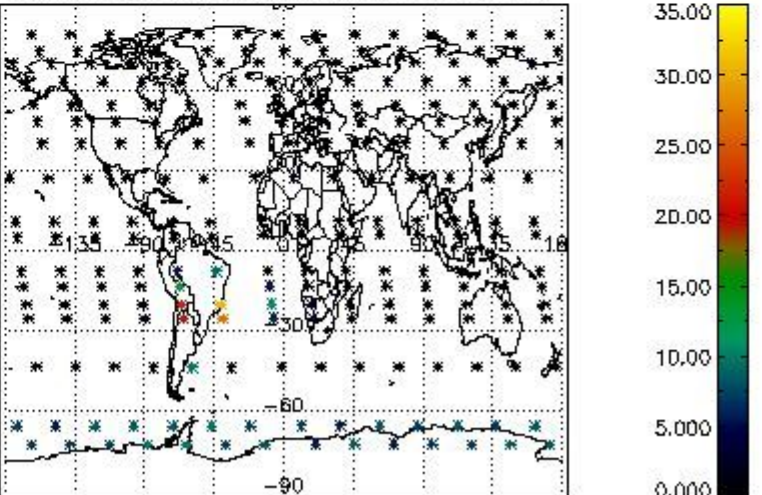
Percentage of datation errors per profile



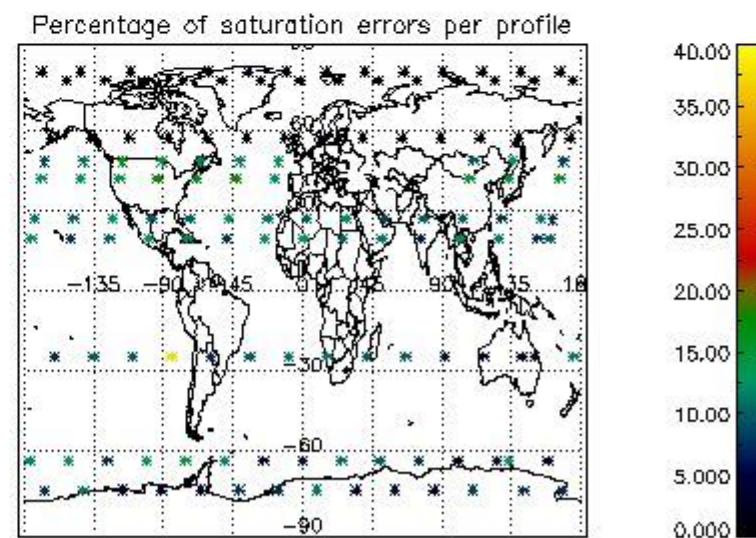
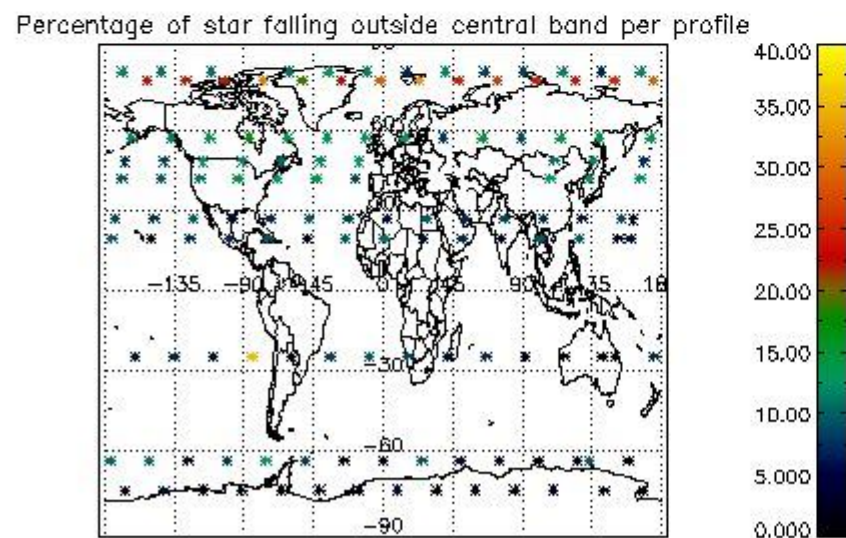
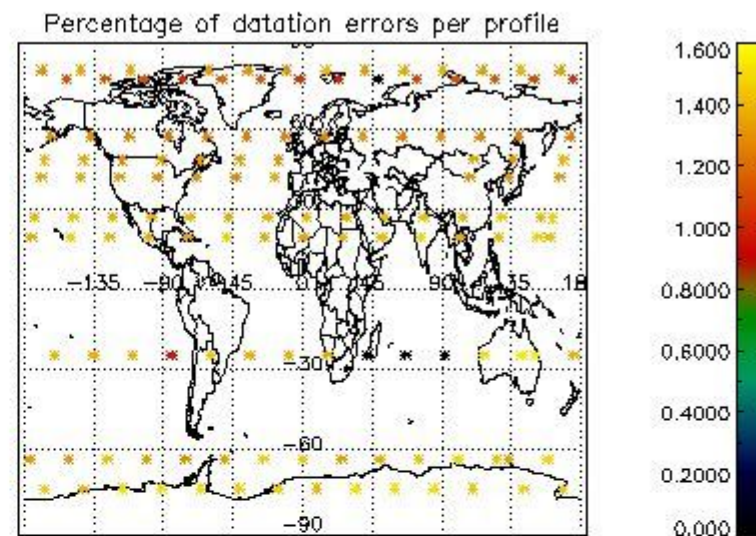
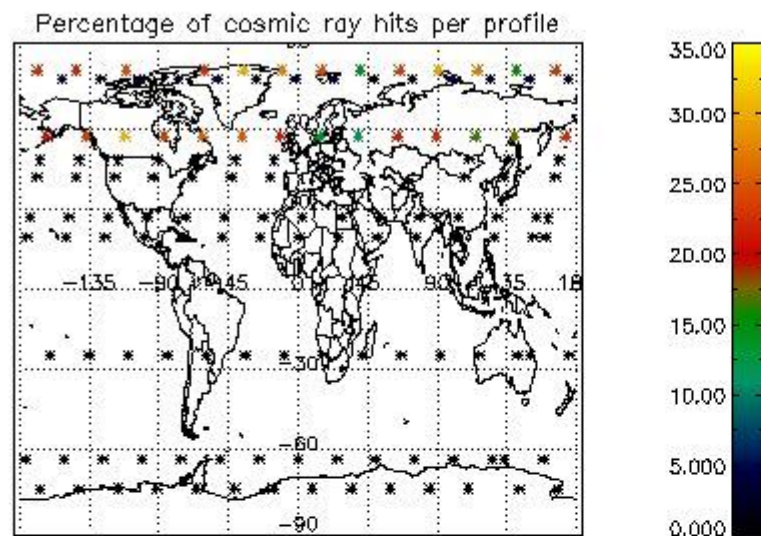
Percentage of star falling outside central band per profile



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

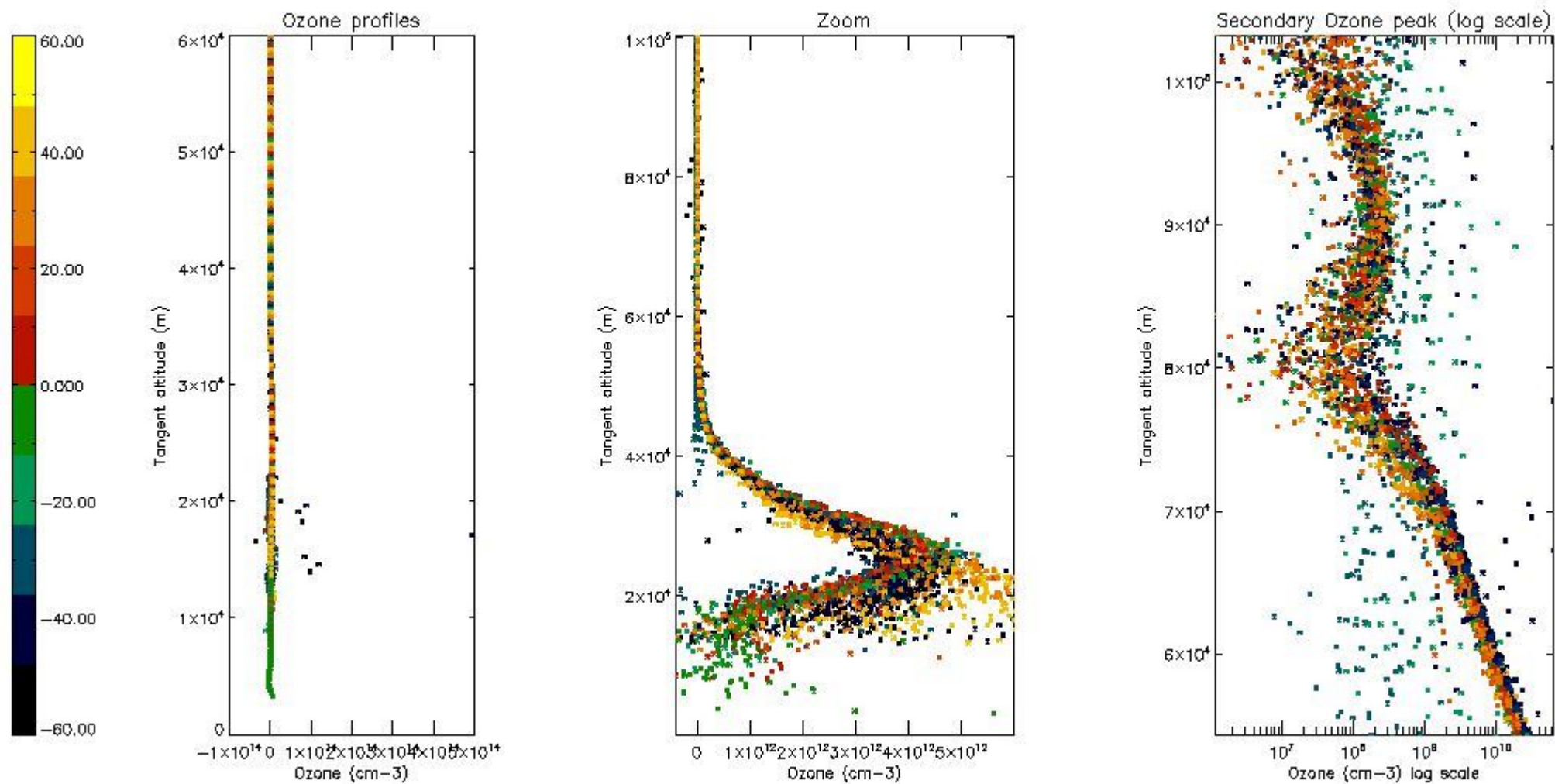
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	43
STD < 20	23

STD < 10	20
STD < 5	12

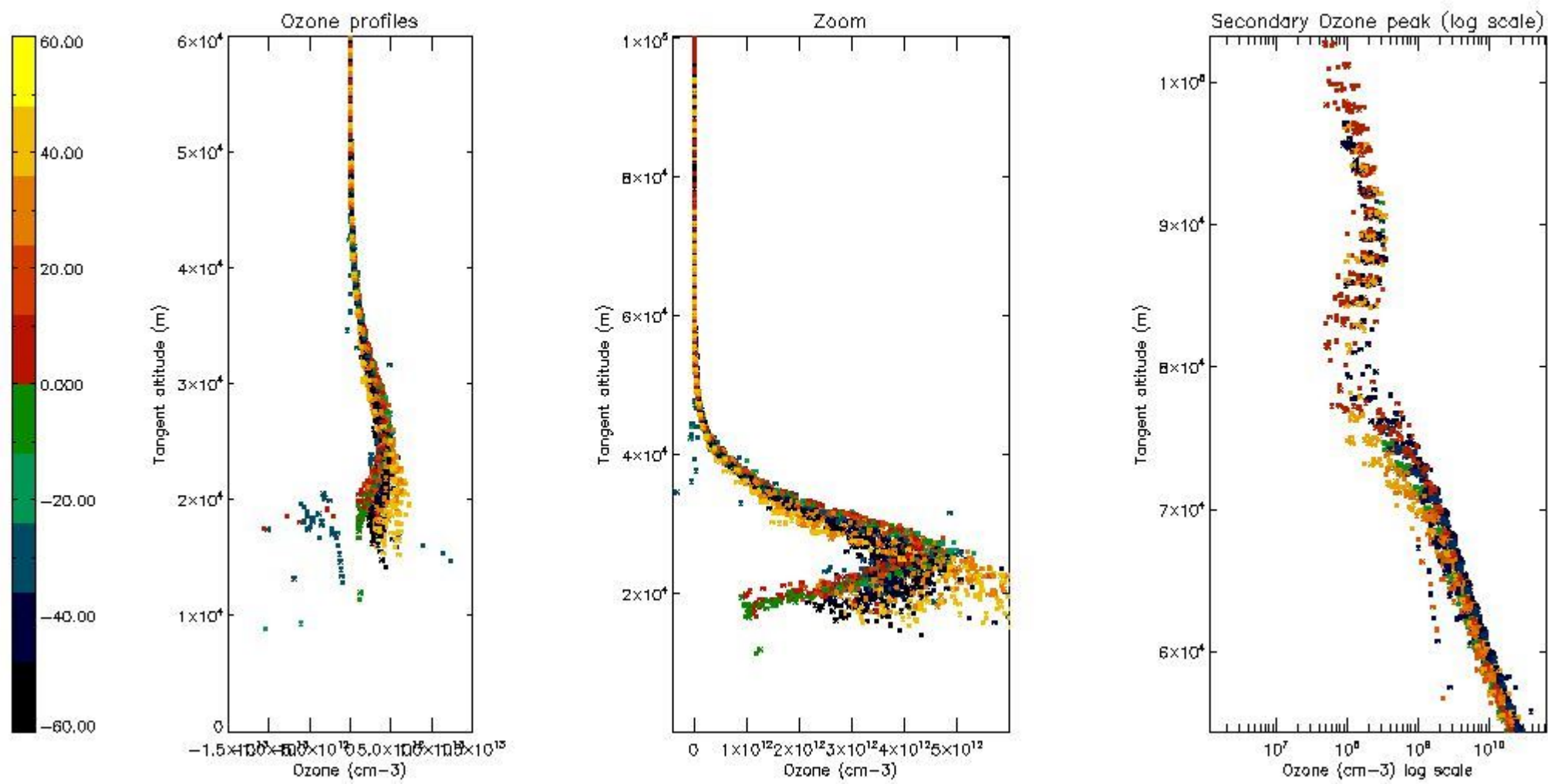
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



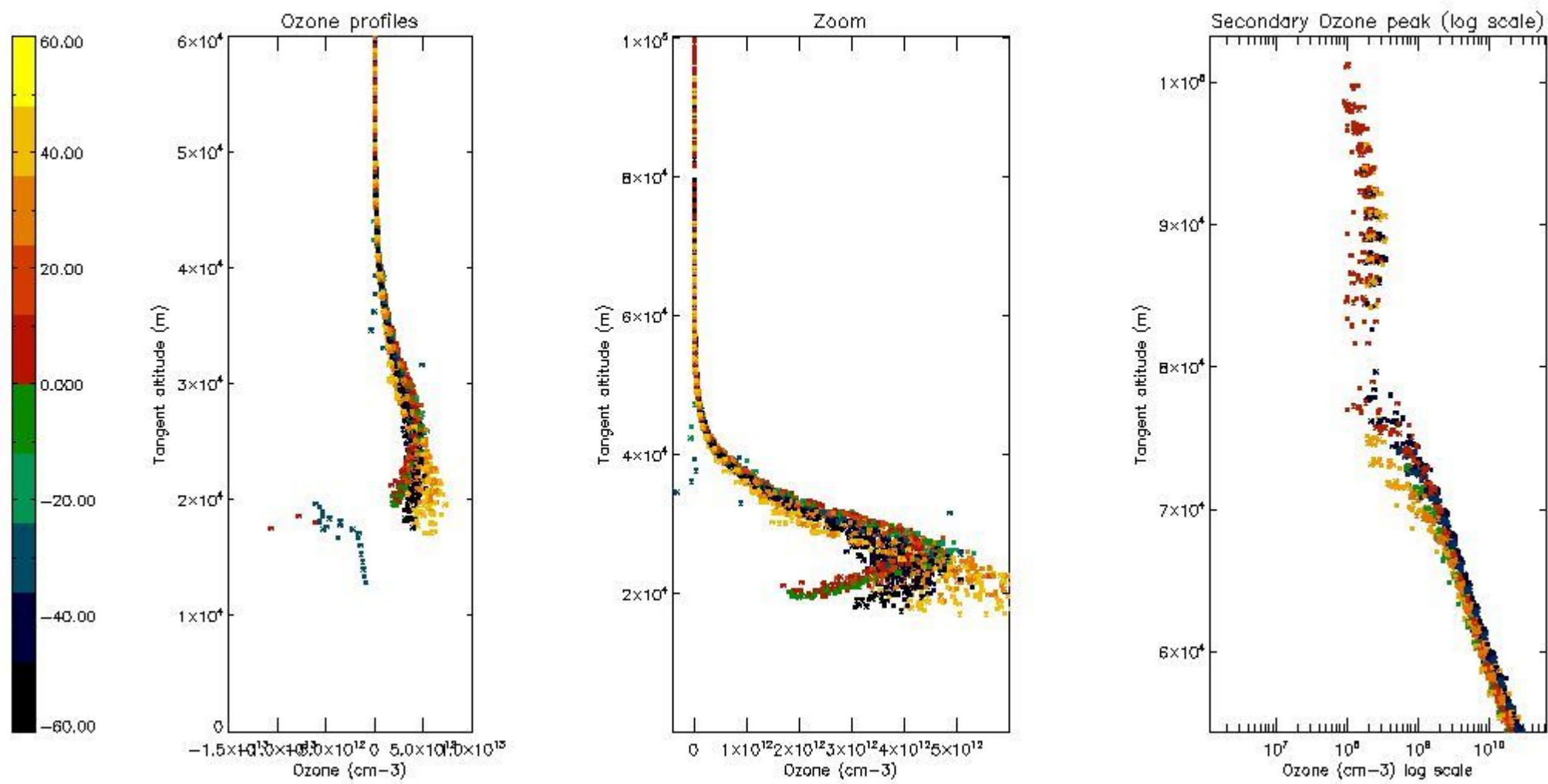
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



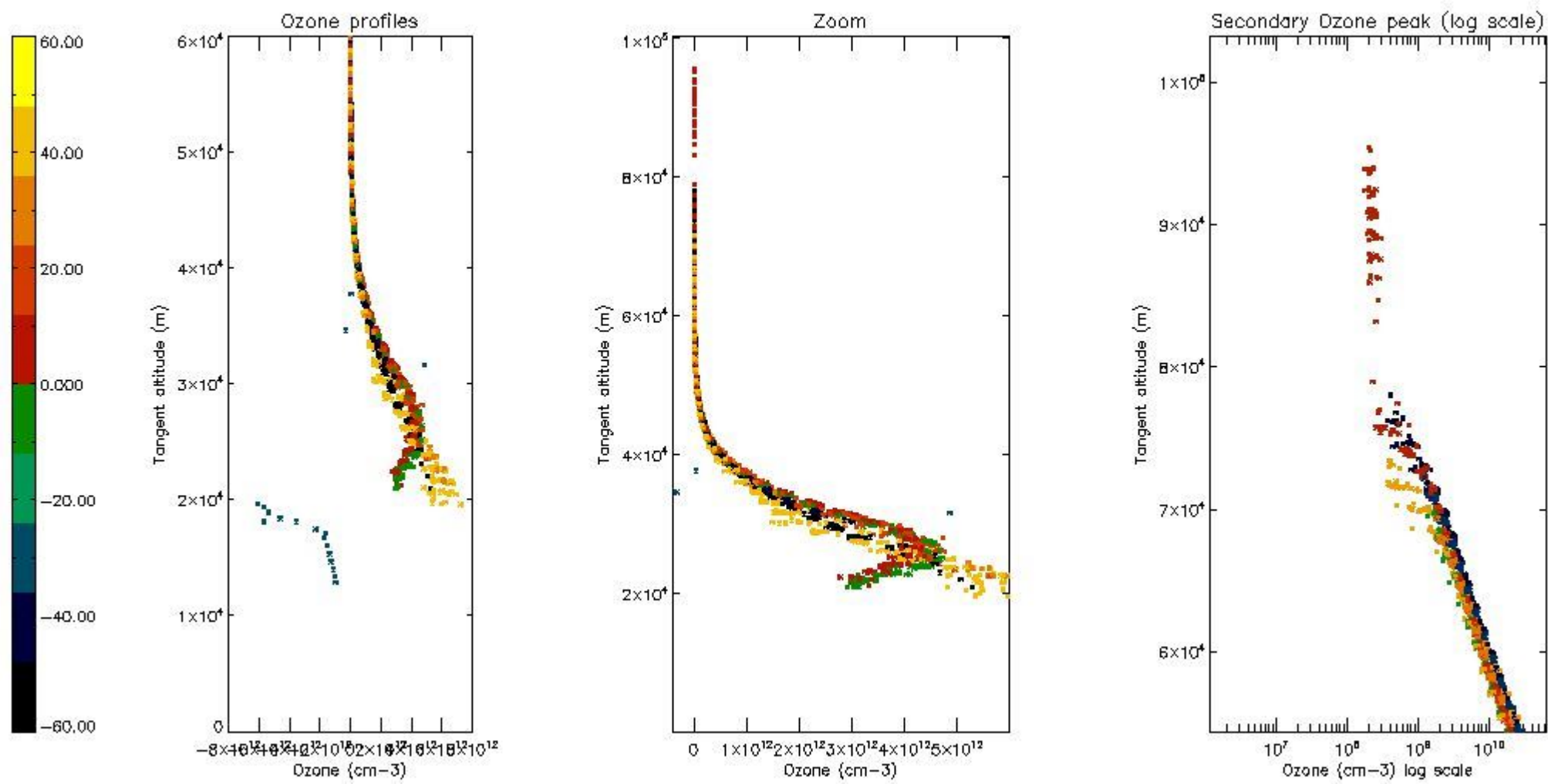
*5.4 Plot ozone profiles where  $STD < 10\%$  (dark without errors)*

The colorbar represents the latitude.



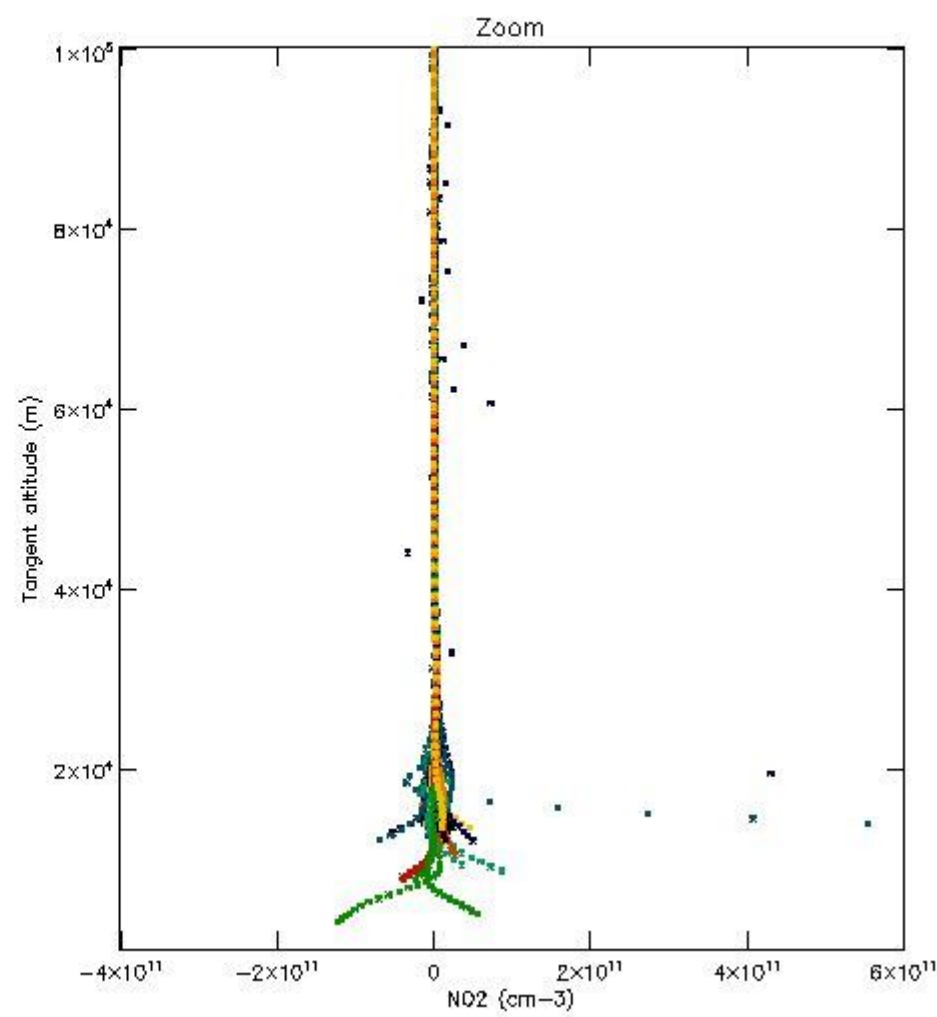
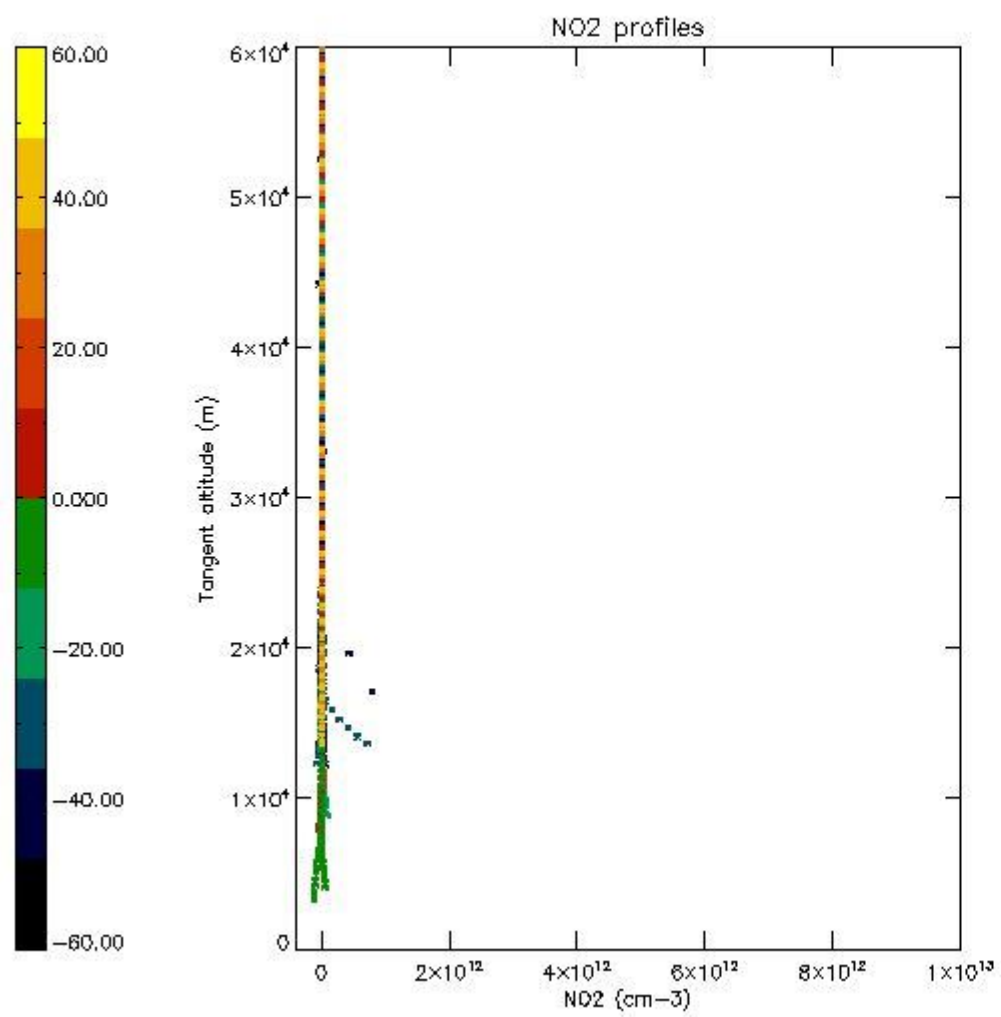
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



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

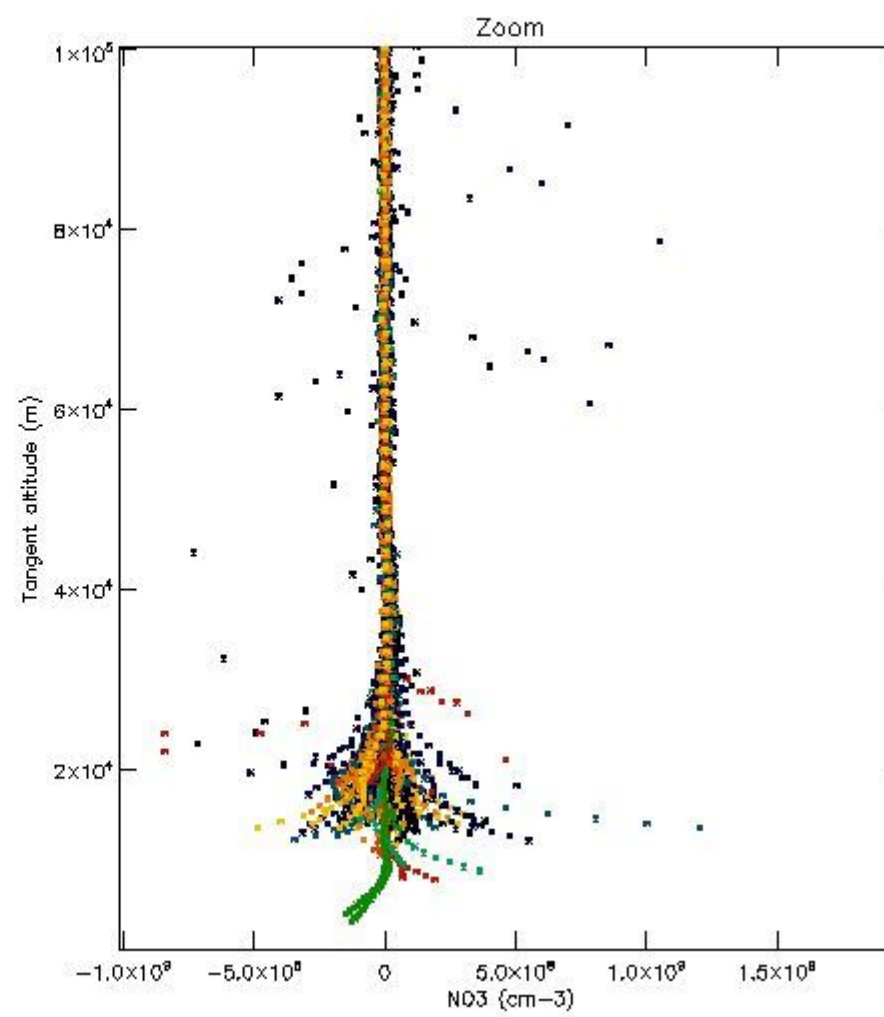
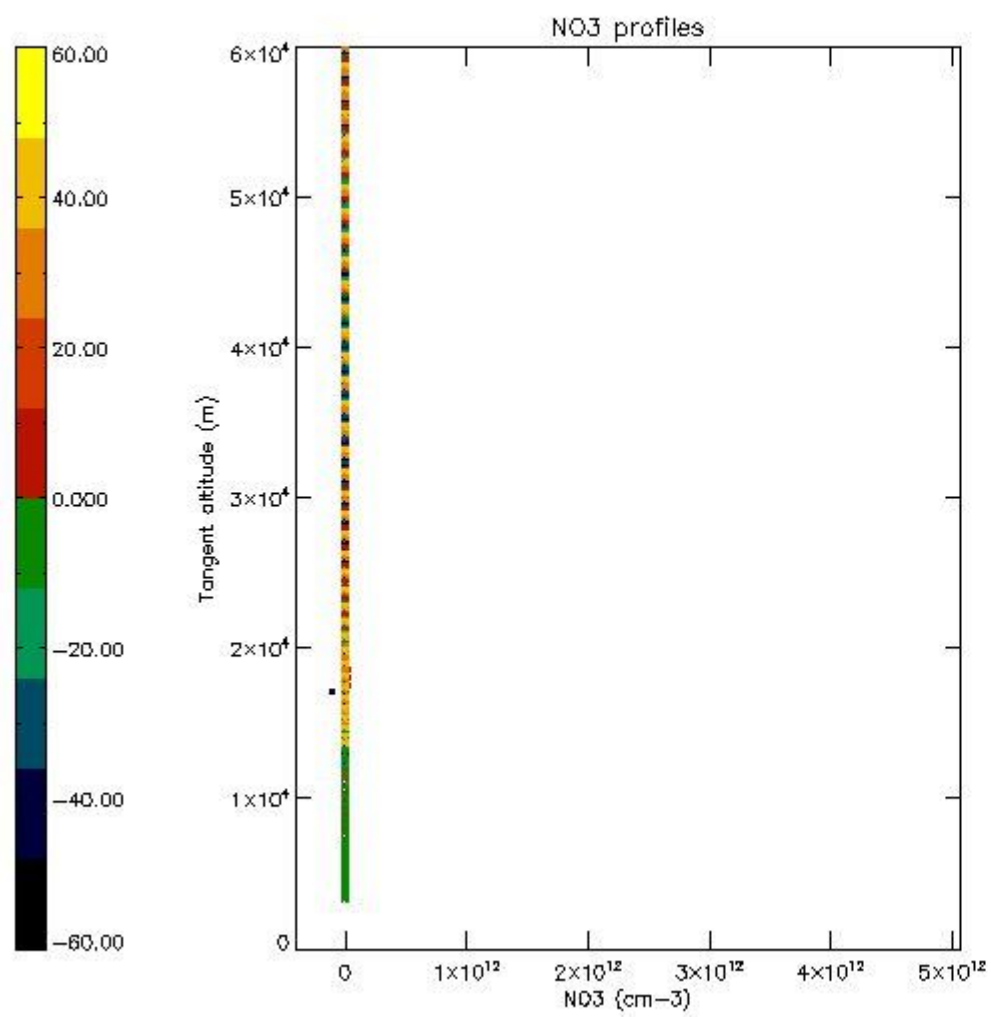
The colorbar represents the latitude.



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

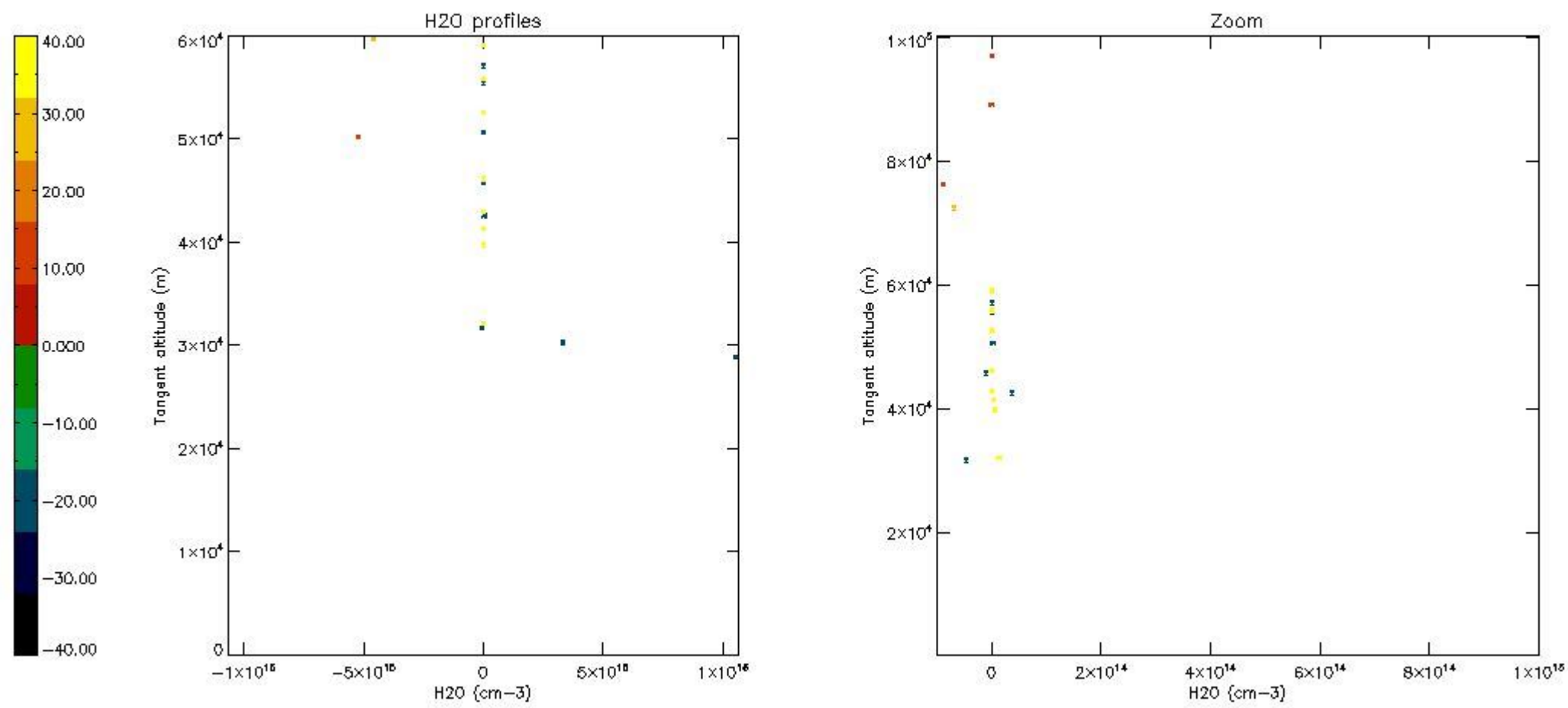
The colorbar represents the latitude.





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)

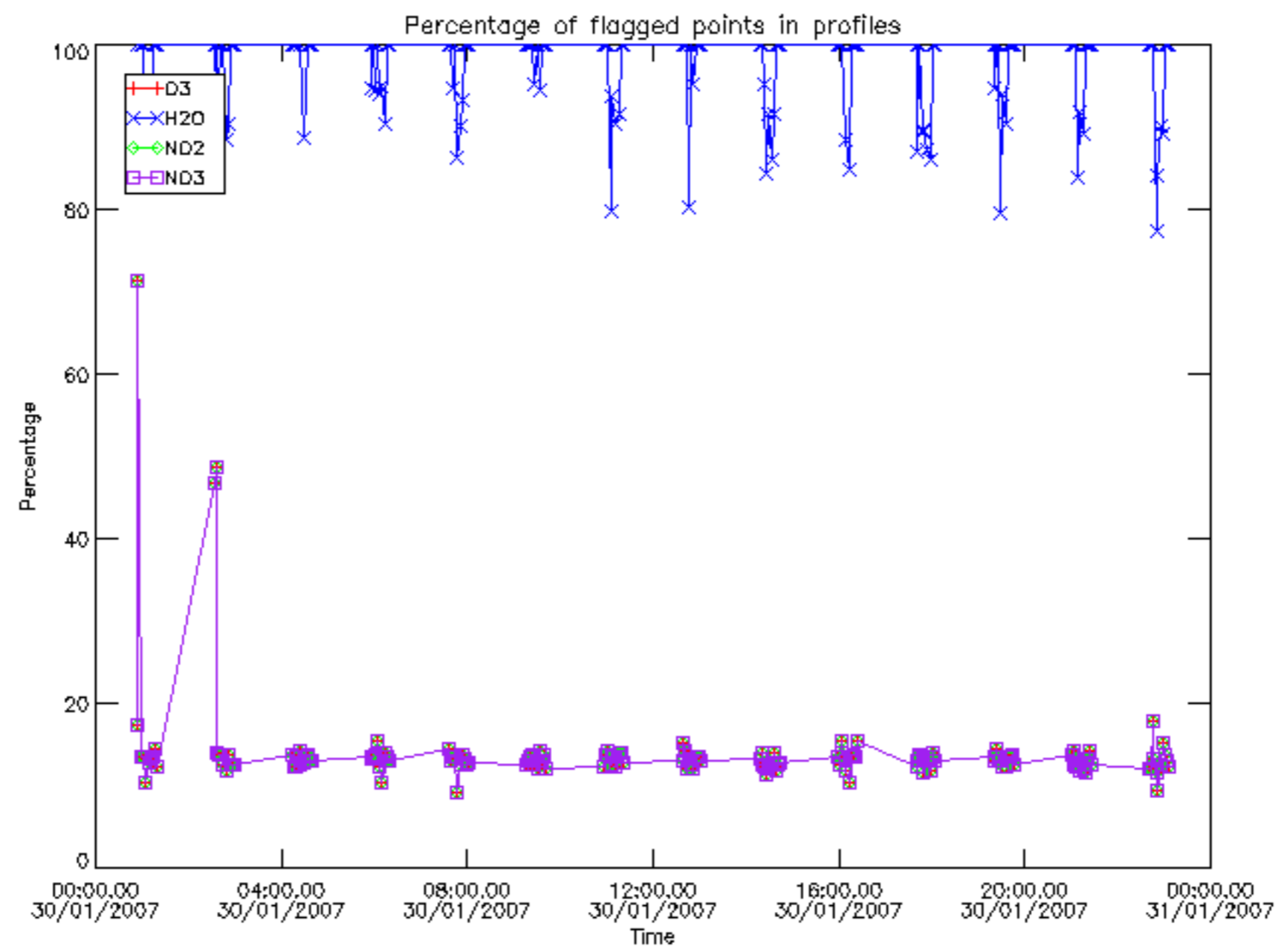
The colorbar represents the latitude.



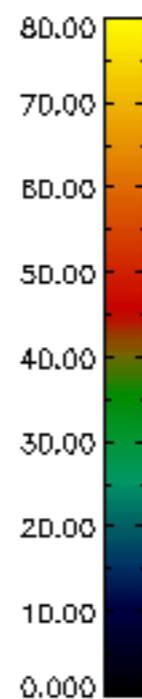
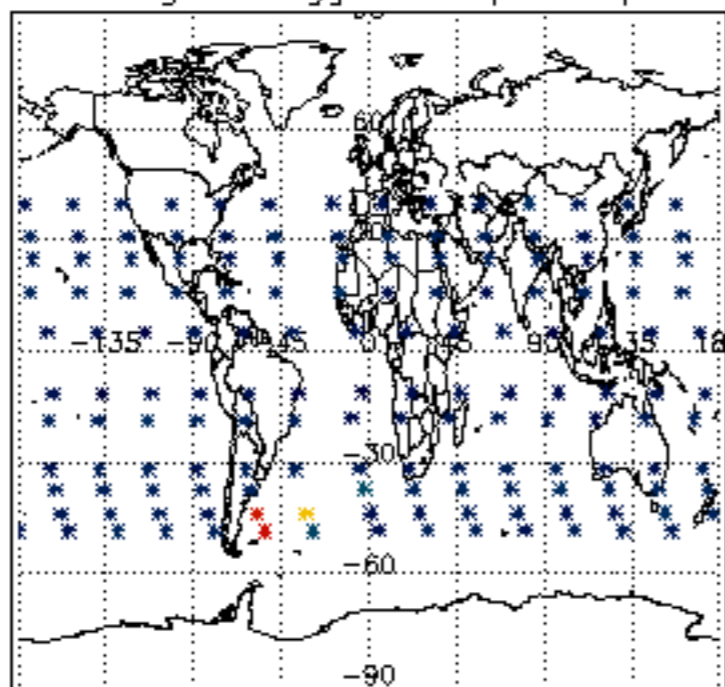
## 6. Auxiliary Data Files used for the production reported in section 2

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.

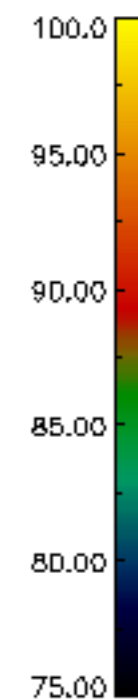
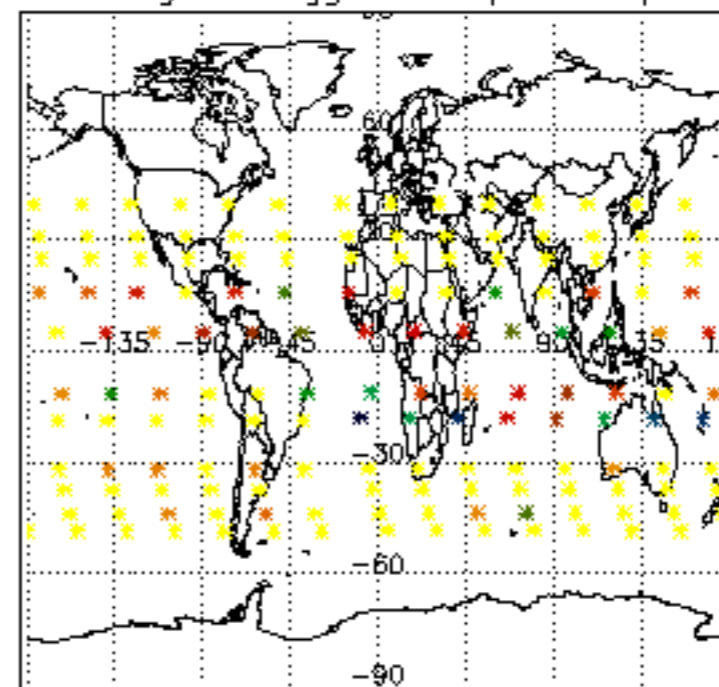
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	30-JAN-2007 00:02:41
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	30-JAN-2007 00:02:41
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	30-JAN-2007 00:02:41



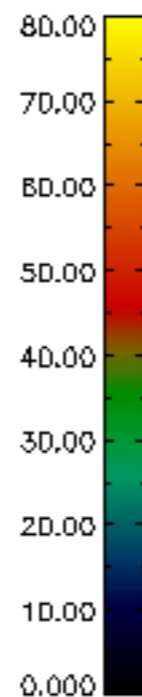
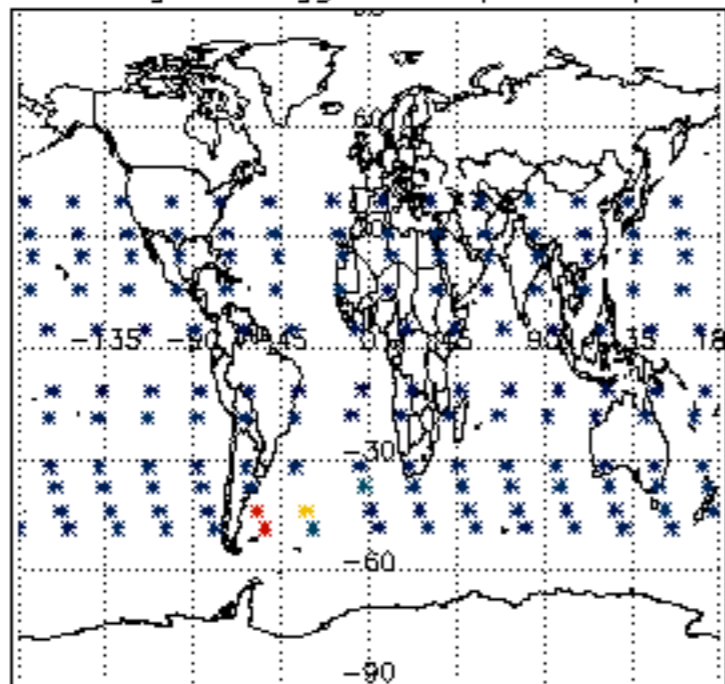
Percentage of flagged data per D3 profile



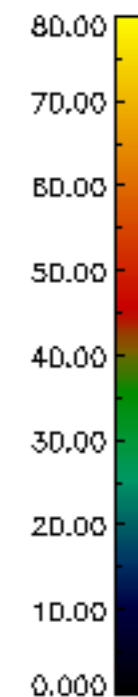
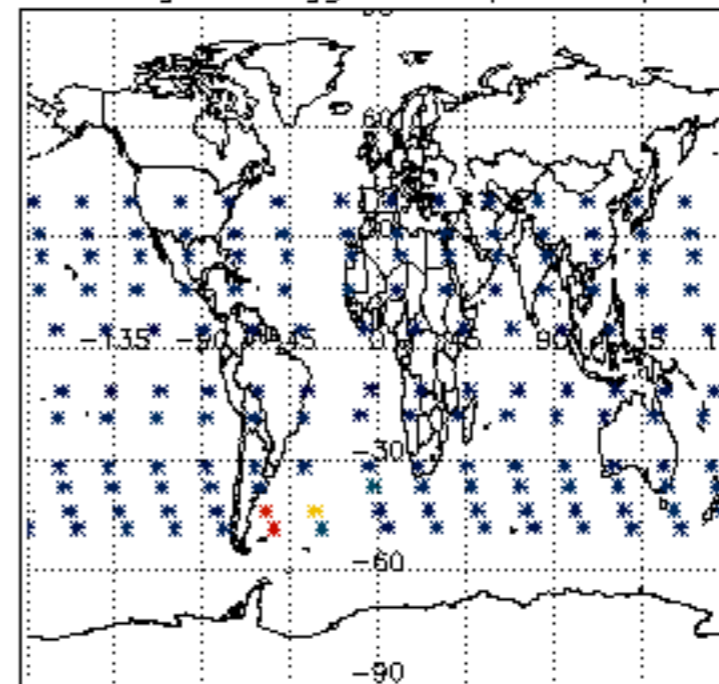
Percentage of flagged data per H2O profile

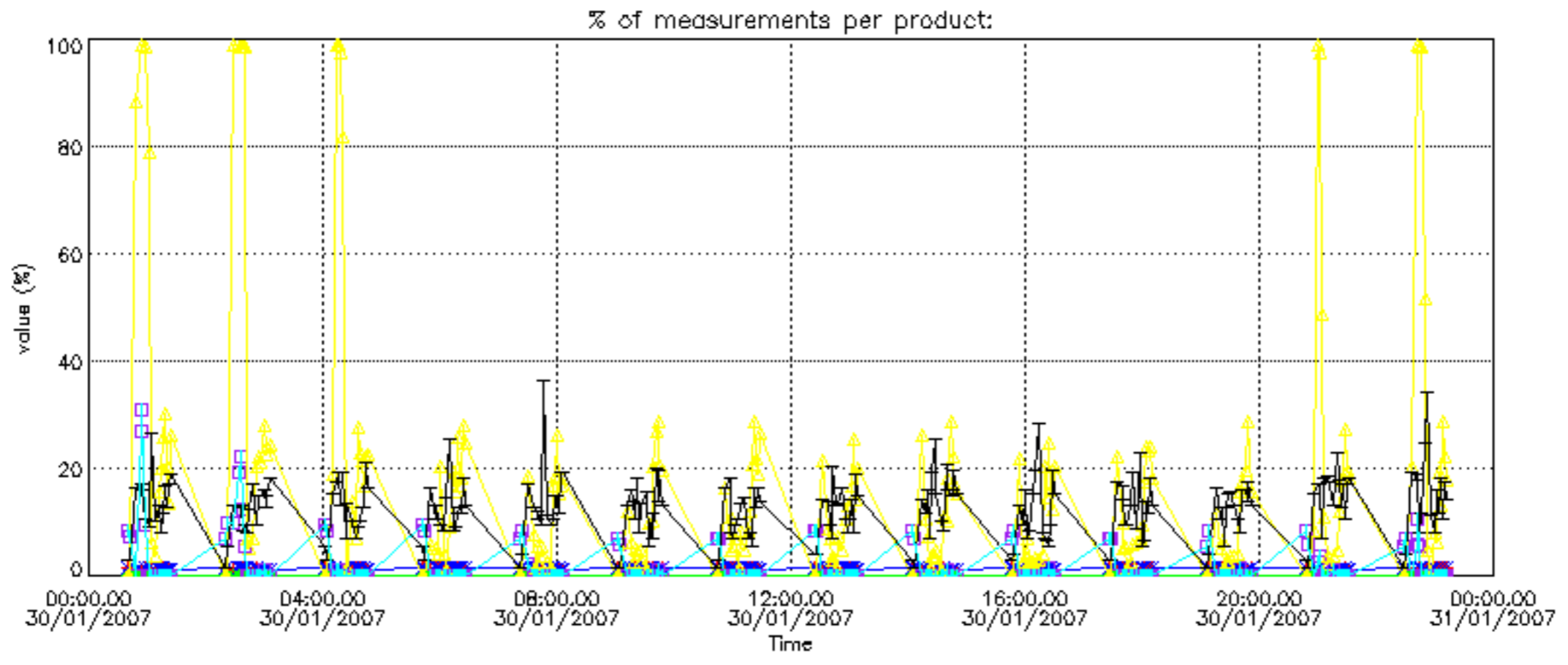


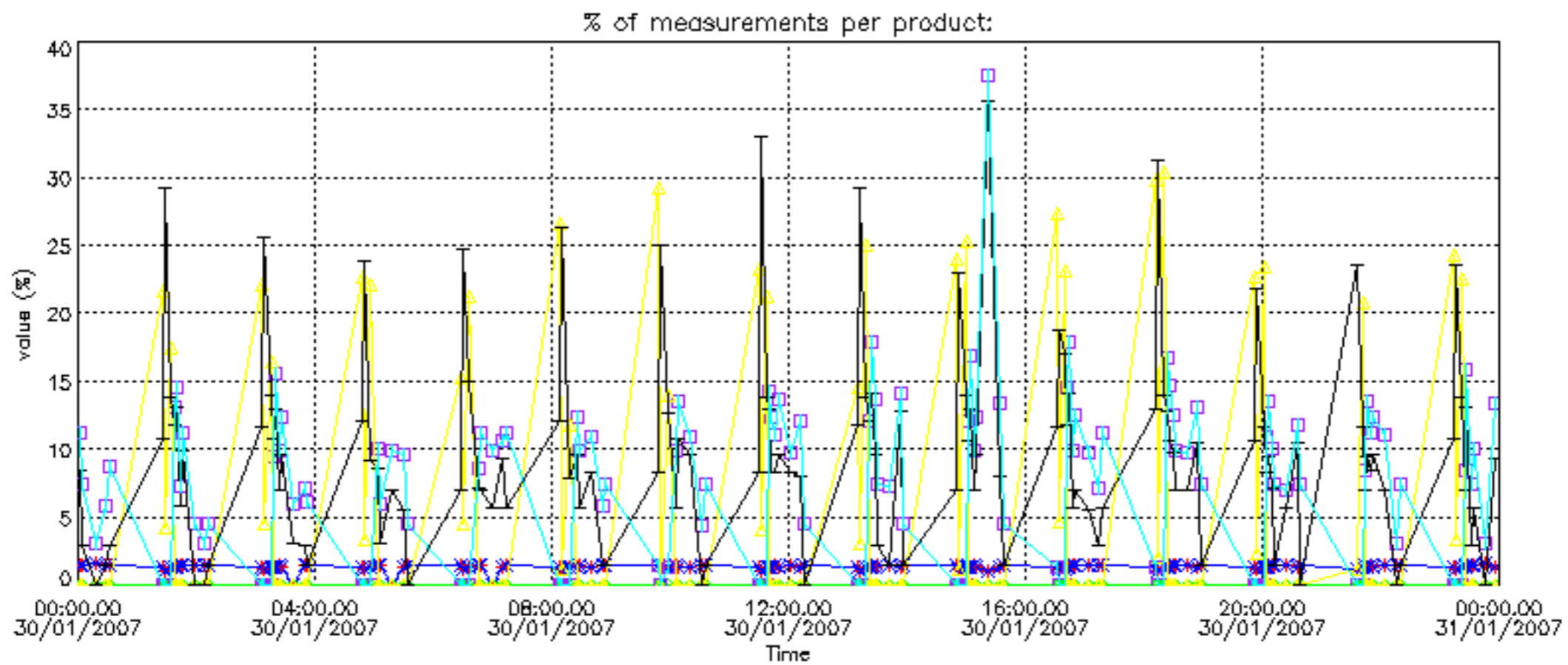
Percentage of flagged data per NO2 profile



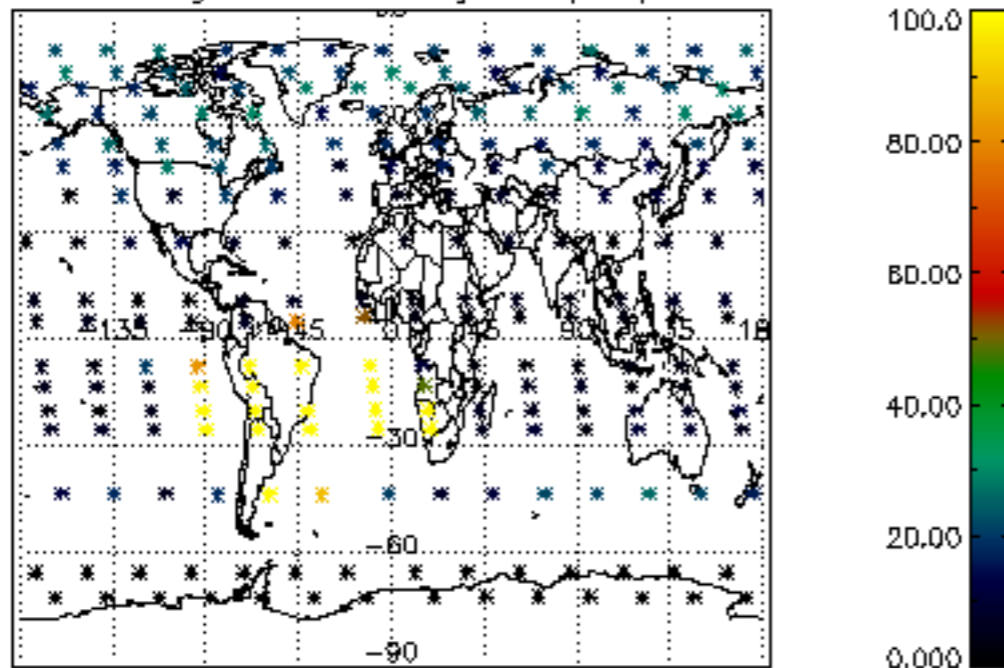
Percentage of flagged data per NO3 profile



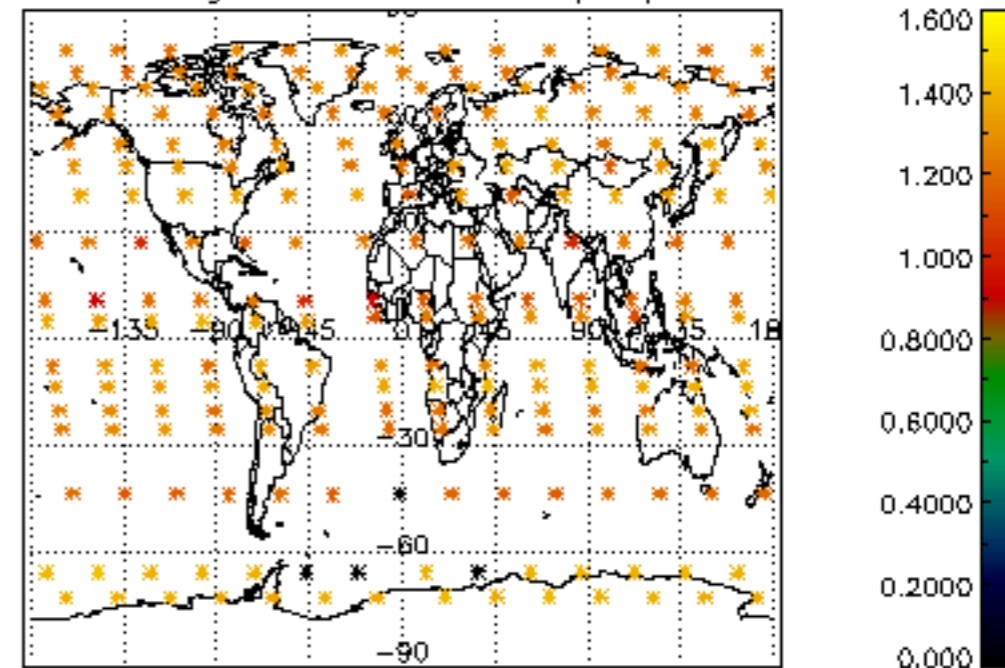




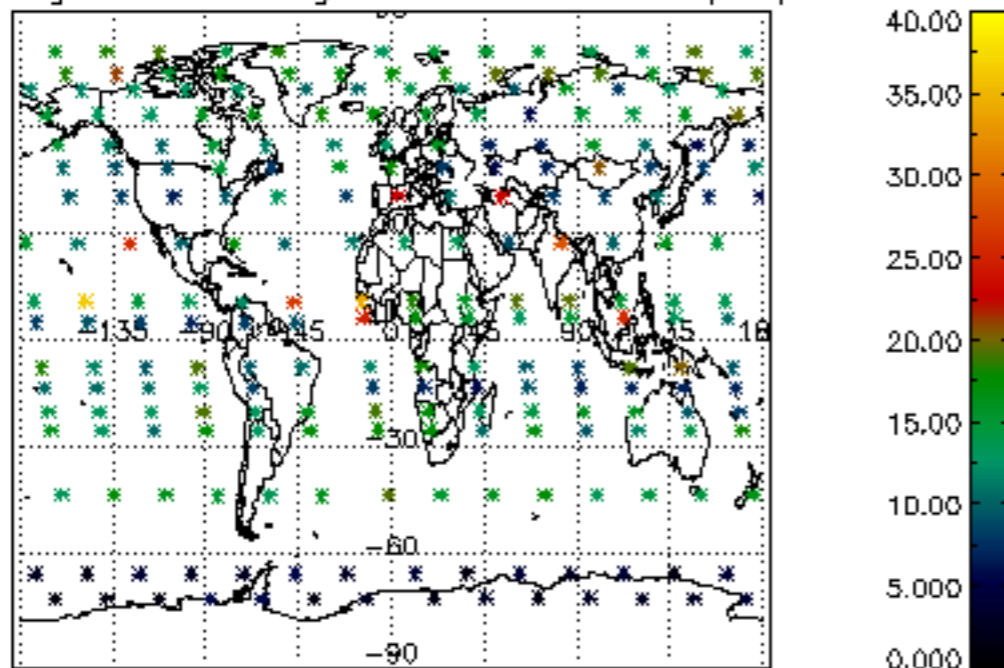
Percentage of cosmic ray hits per profile



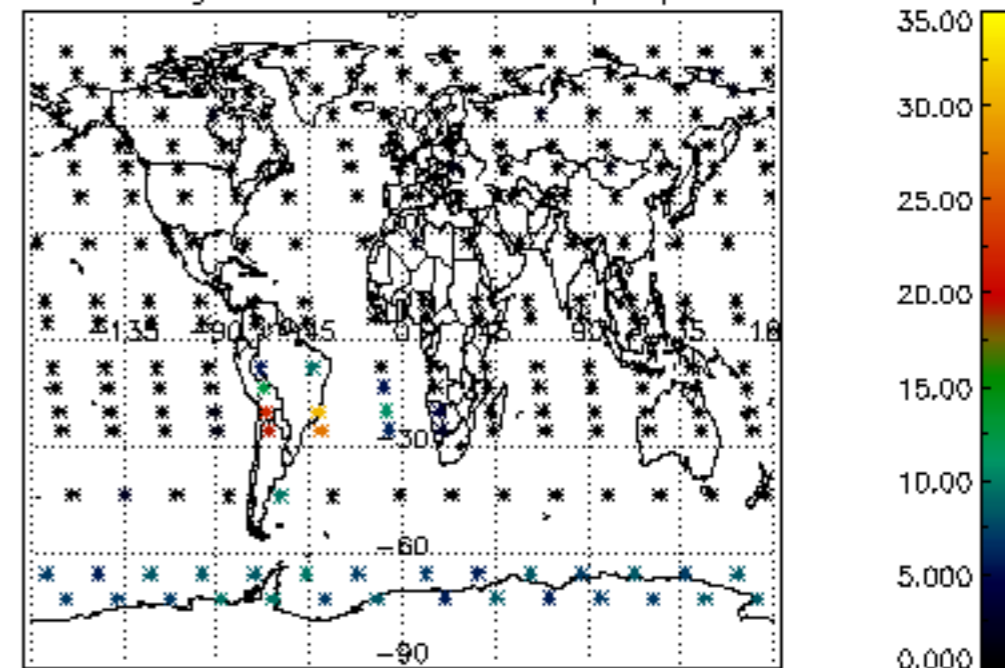
Percentage of datation errors per profile



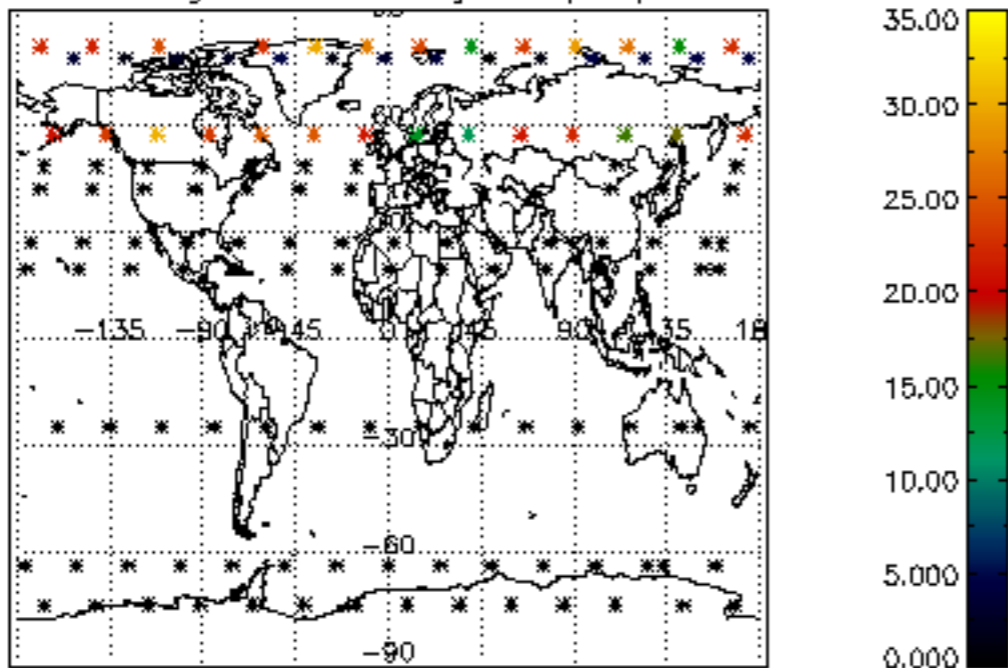
Percentage of star falling outside central band per profile



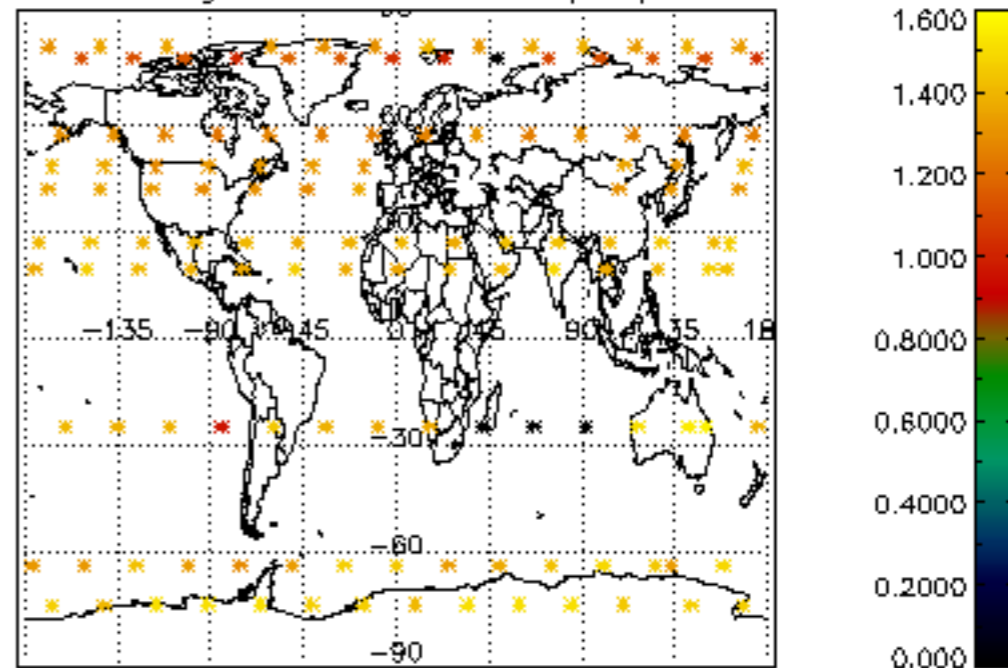
Percentage of saturation errors per profile



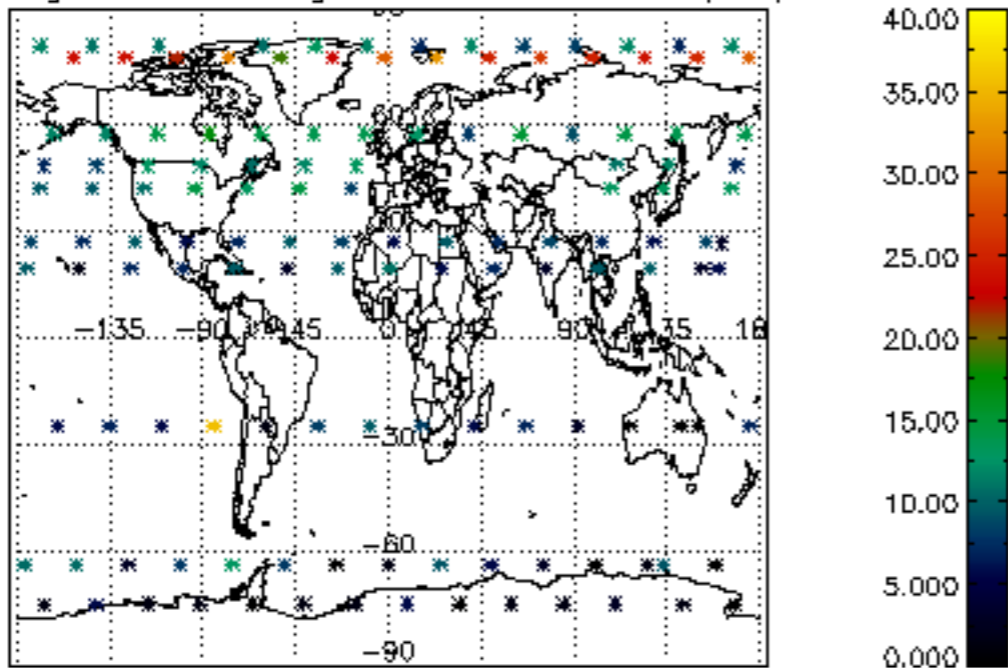
Percentage of cosmic ray hits per profile



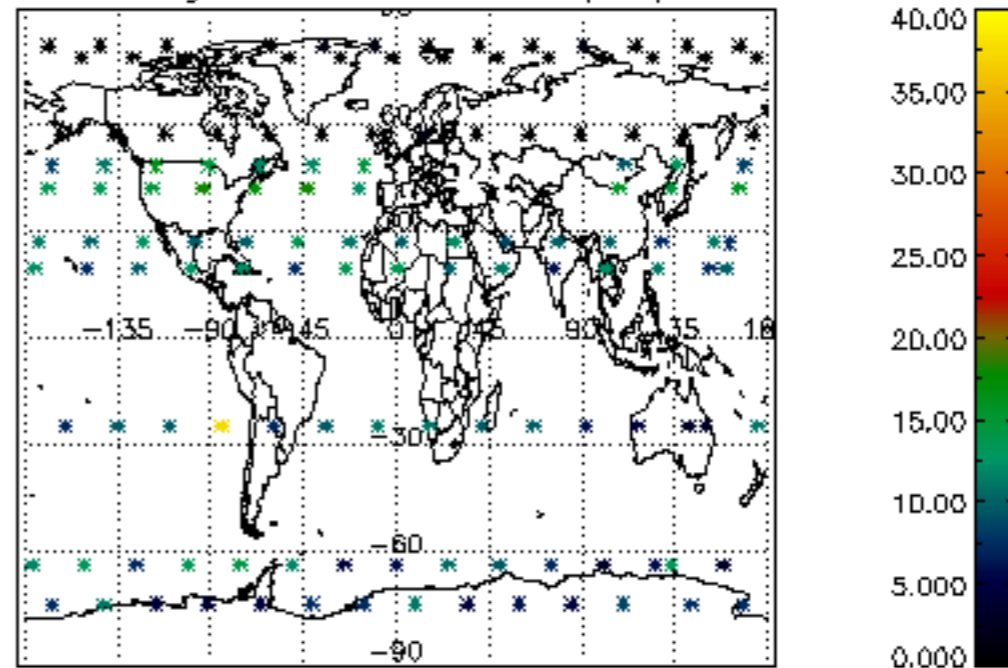
Percentage of datation errors per profile



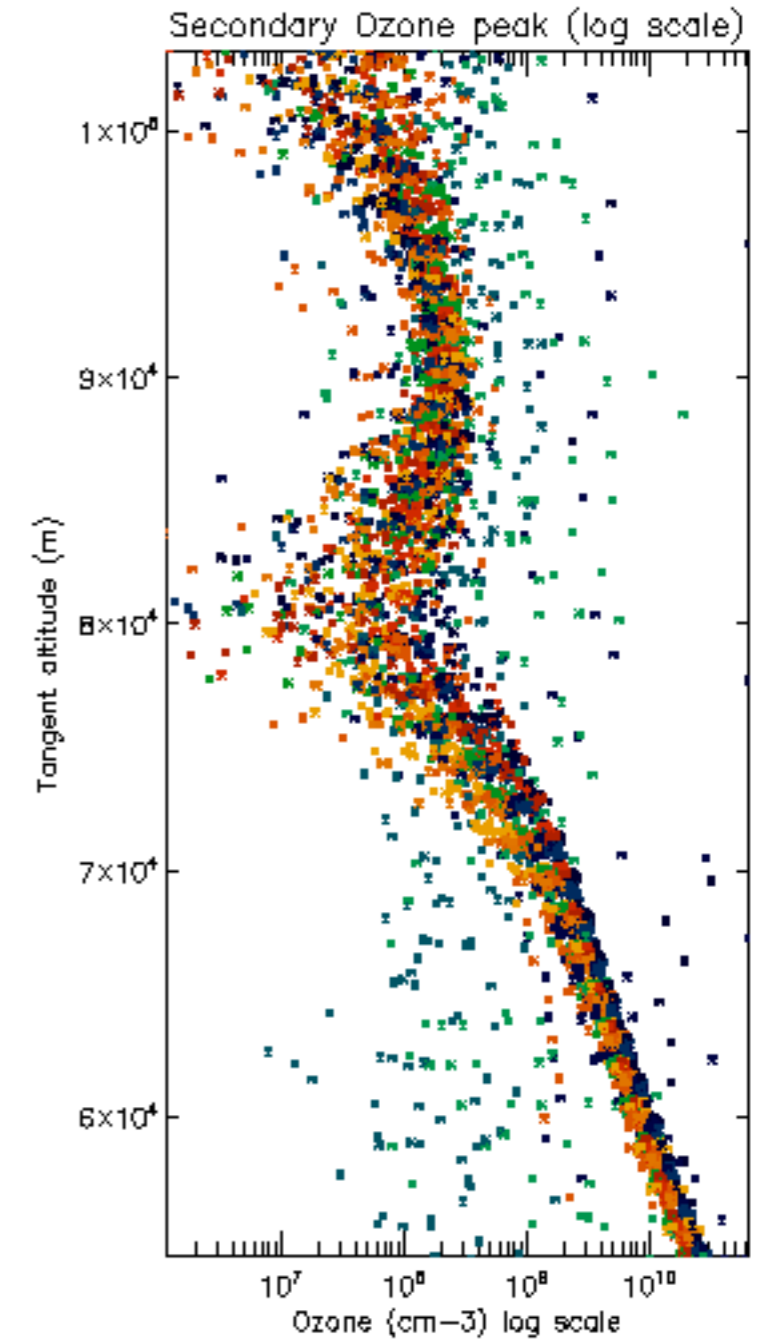
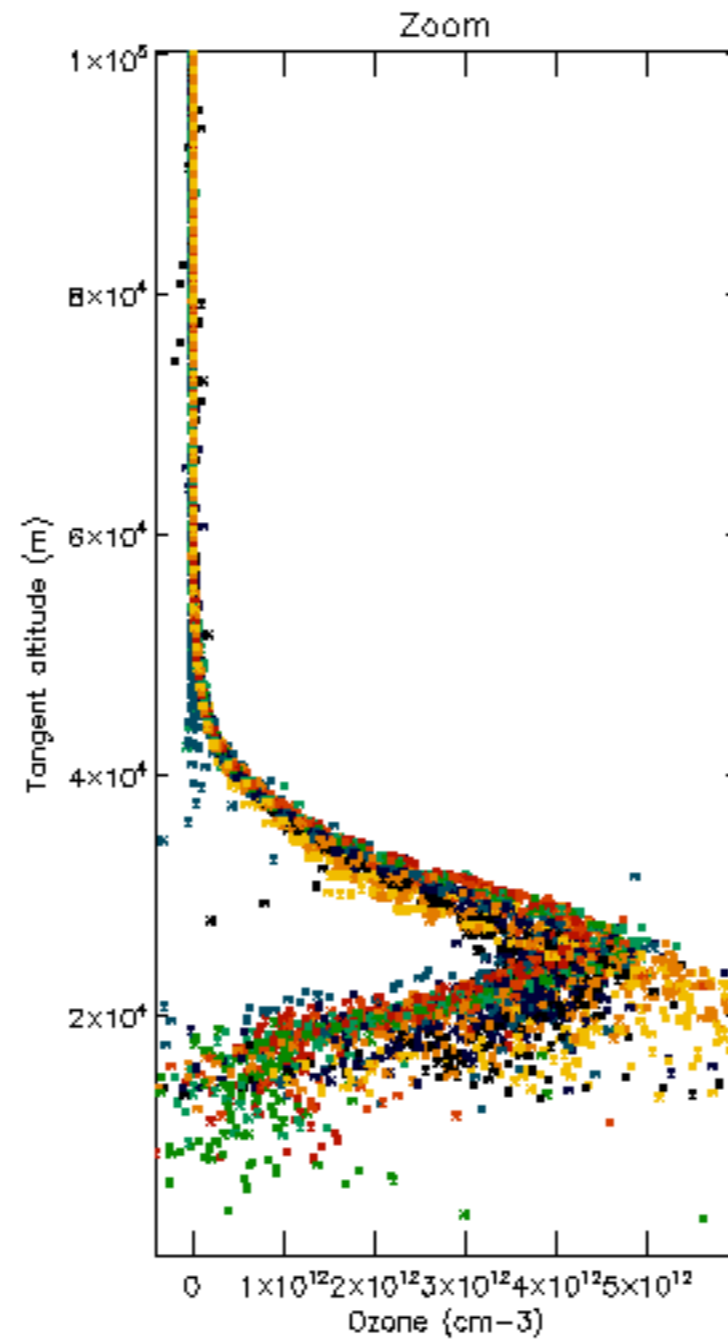
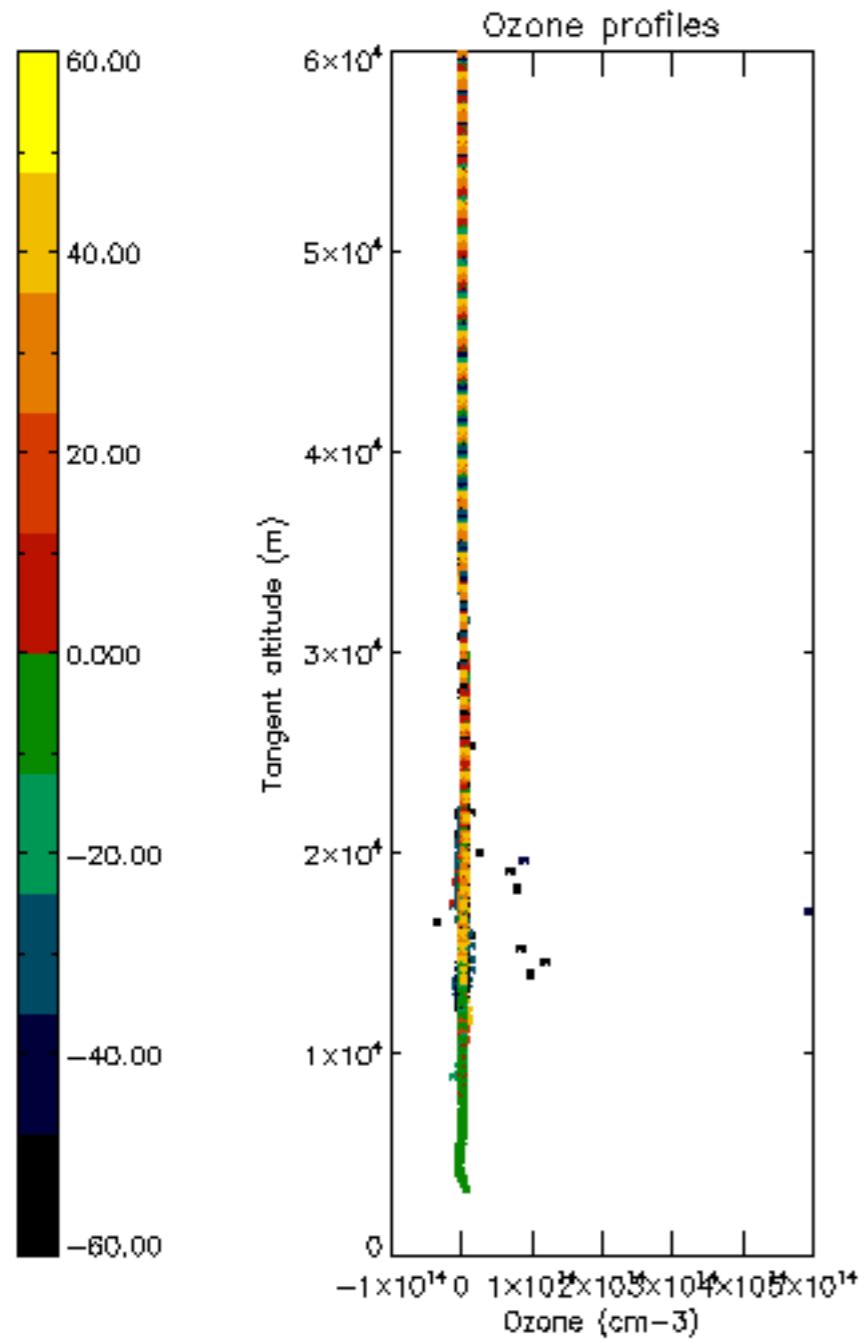
Percentage of star falling outside central band per profile

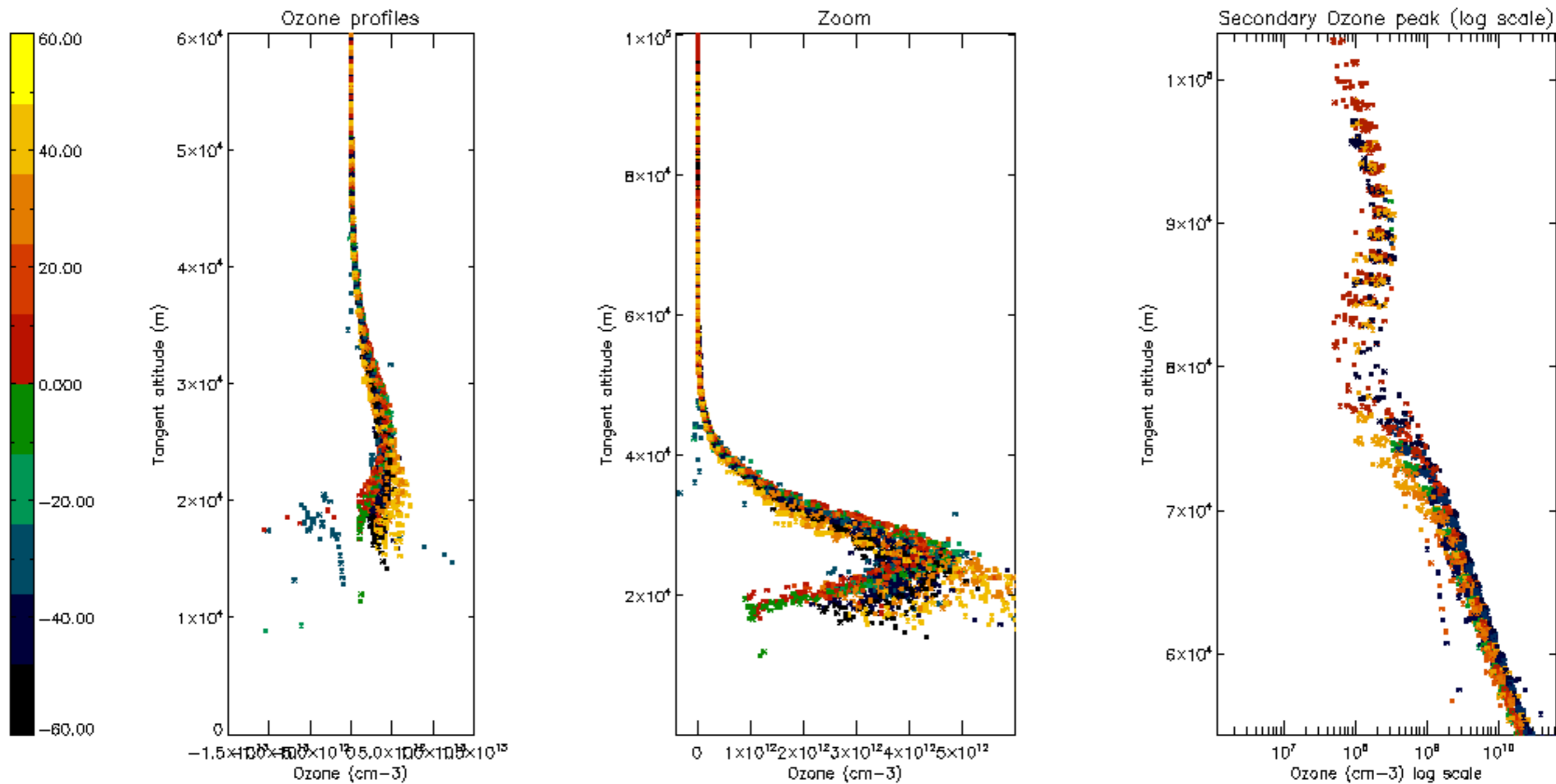


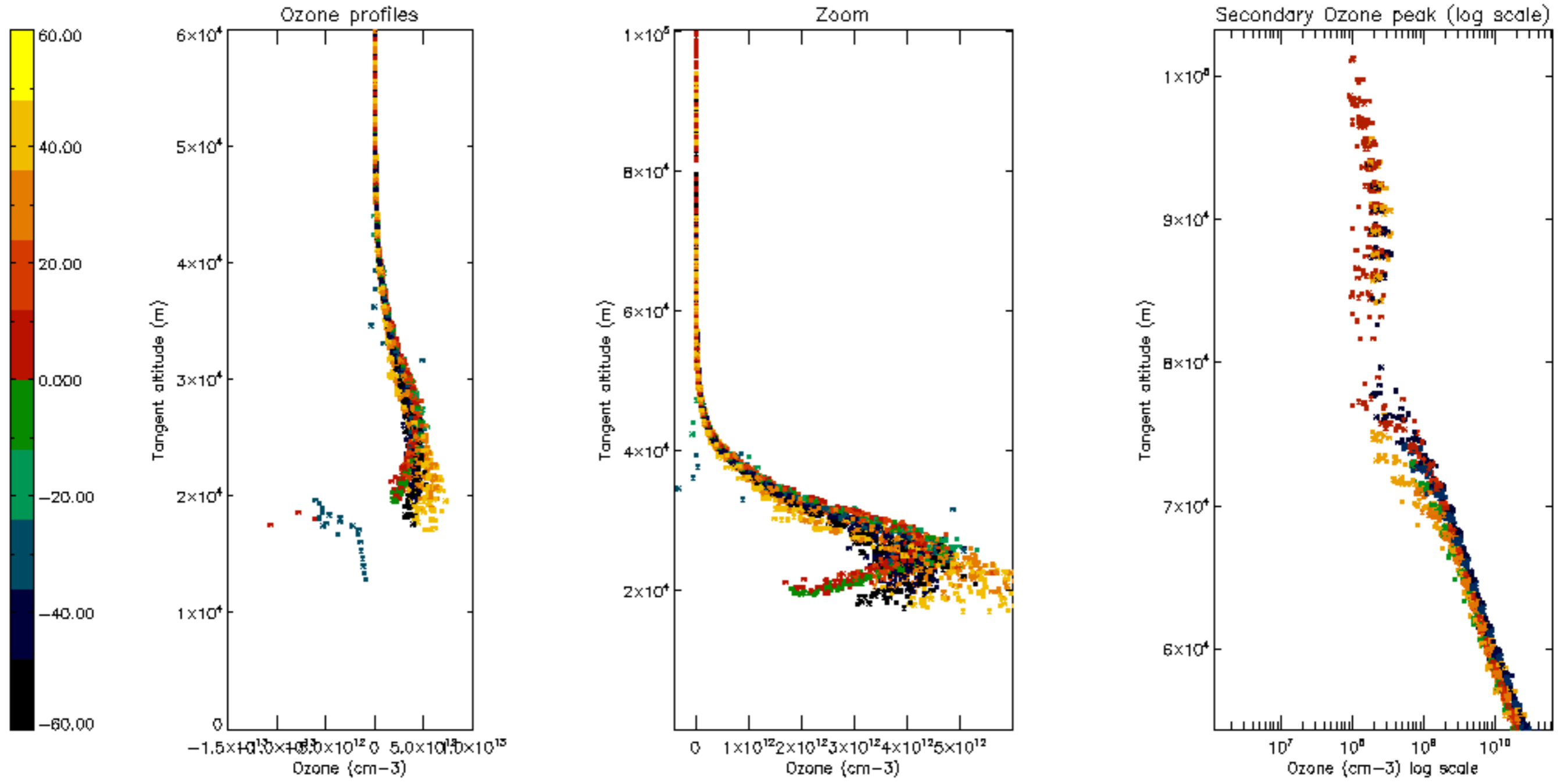
Percentage of saturation errors per profile

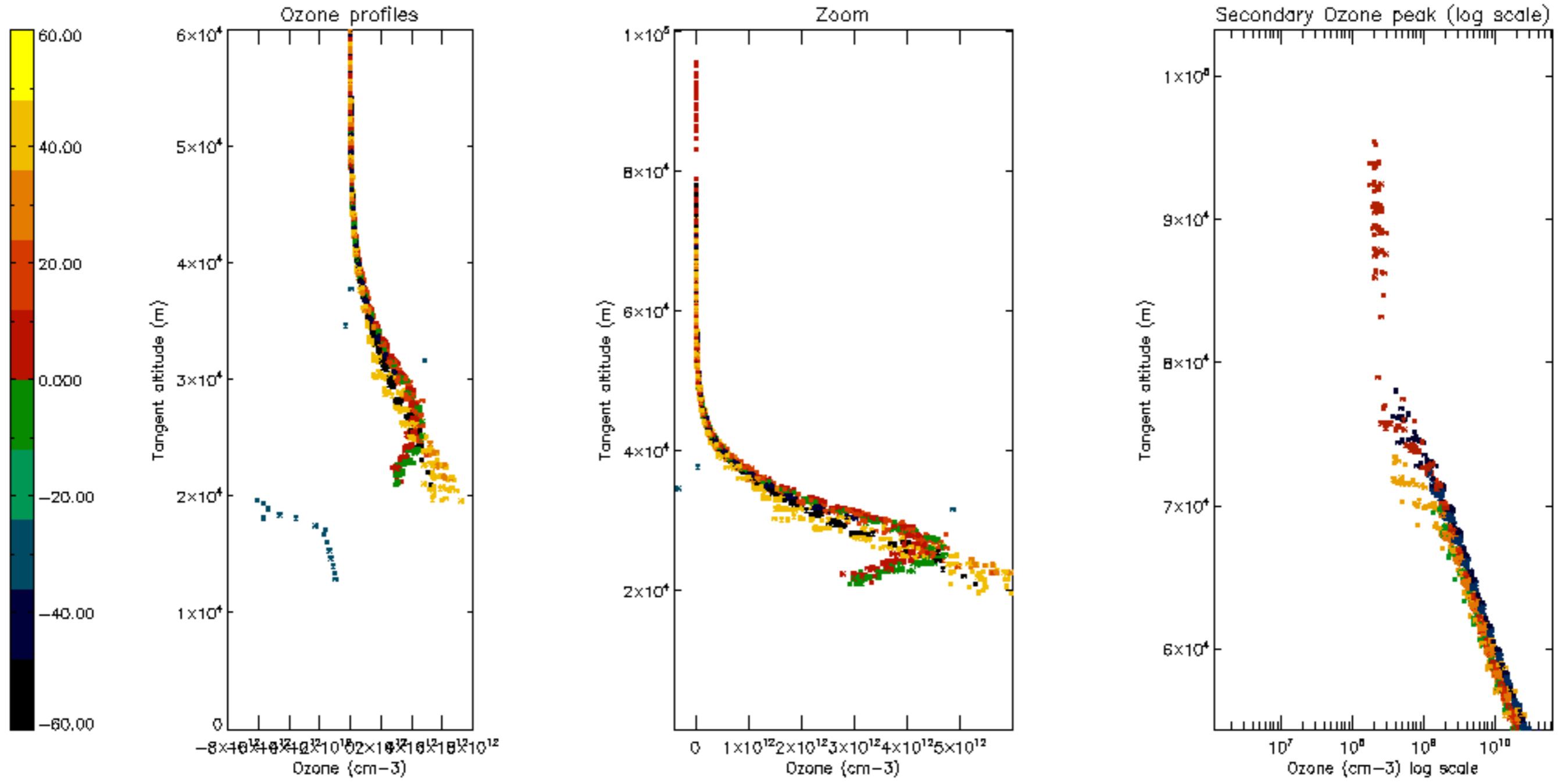


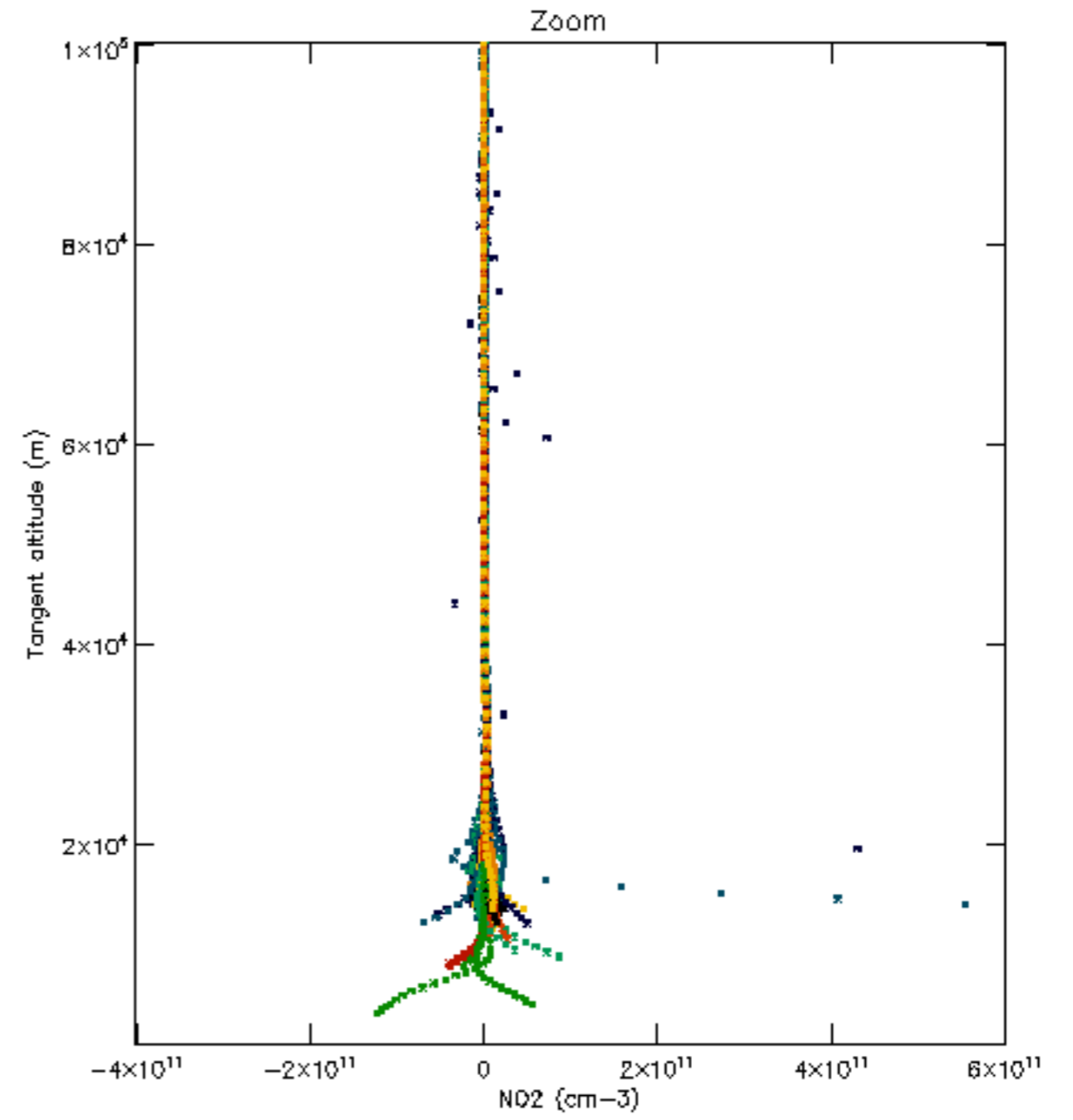
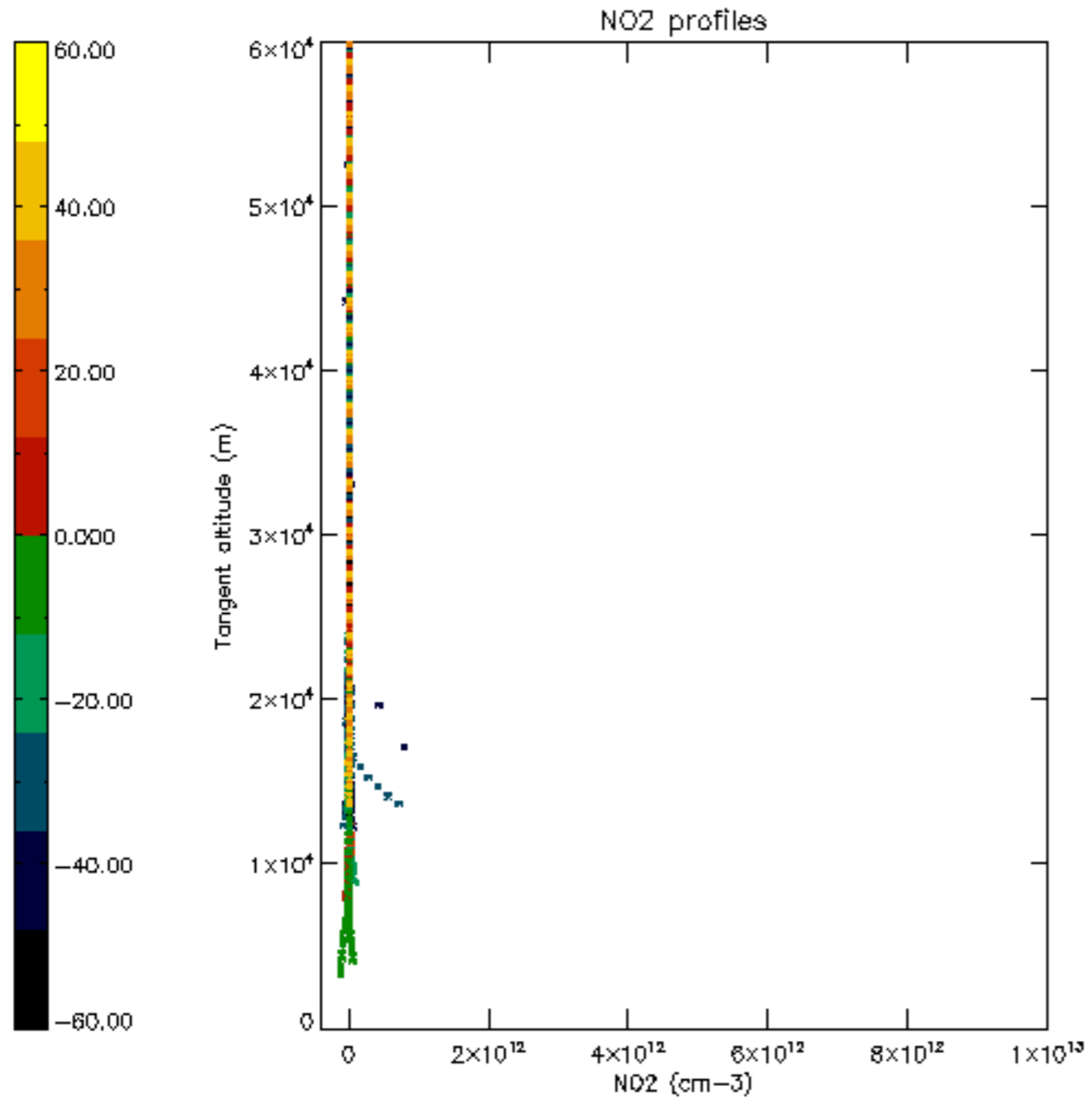


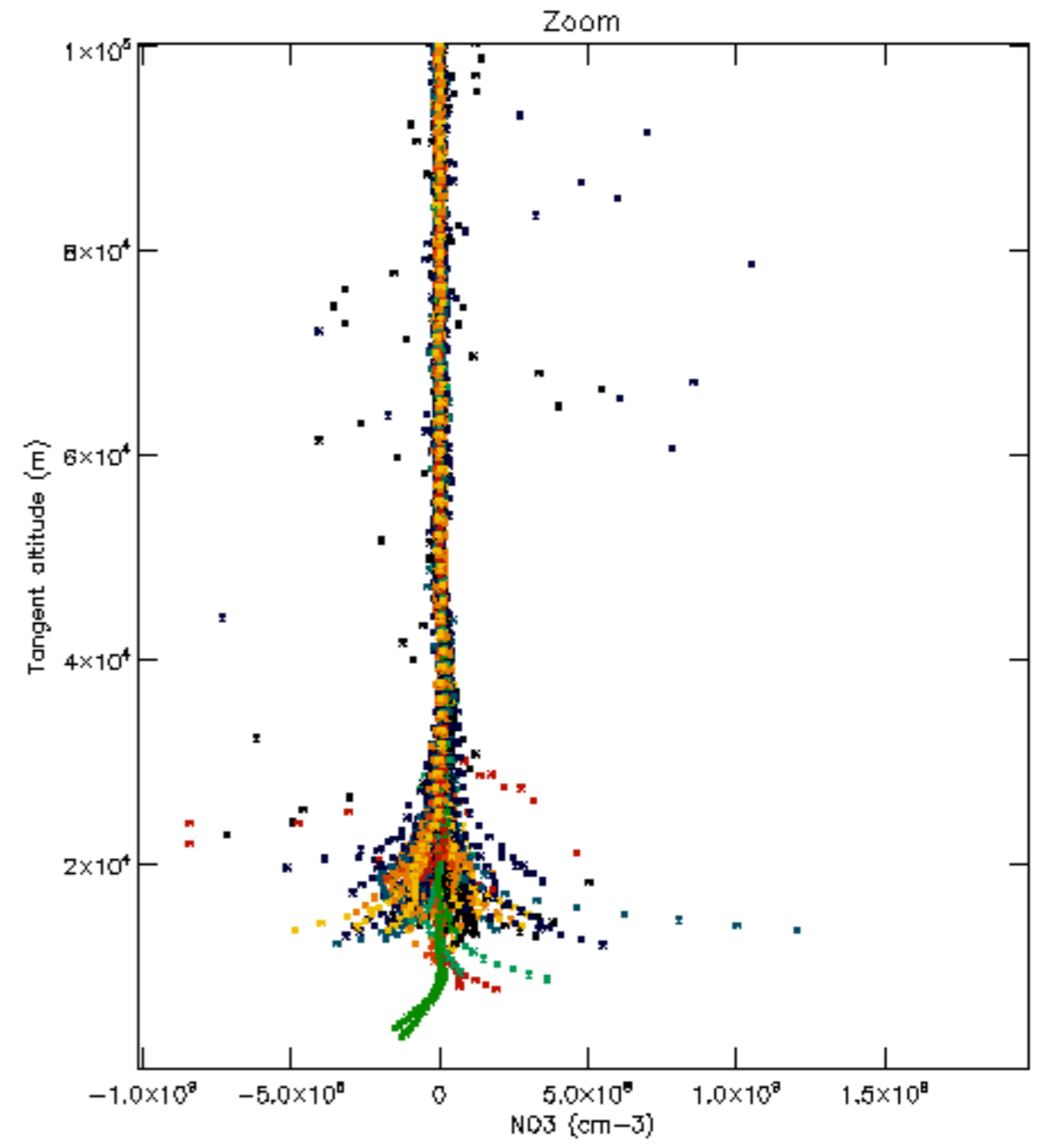
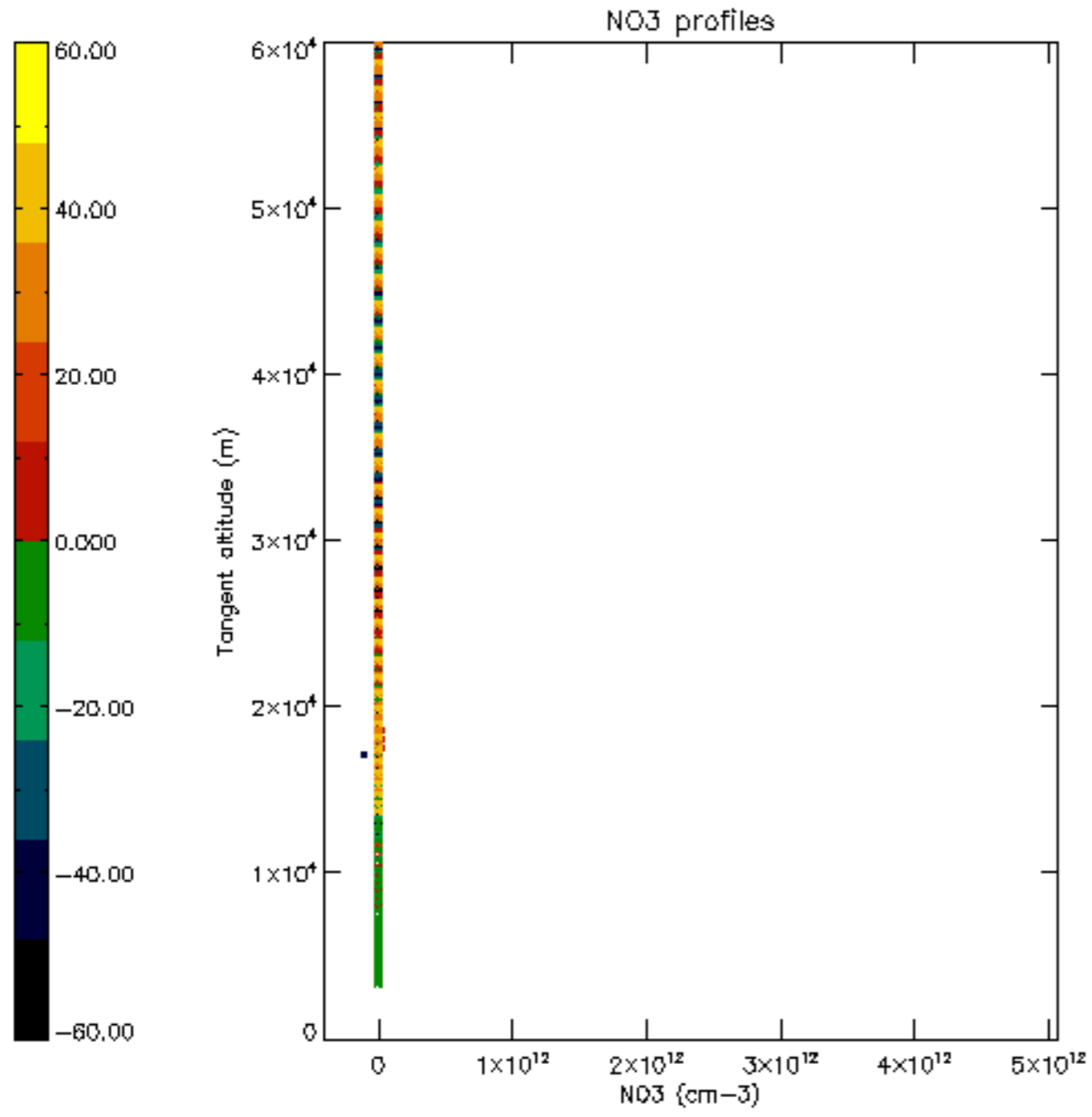


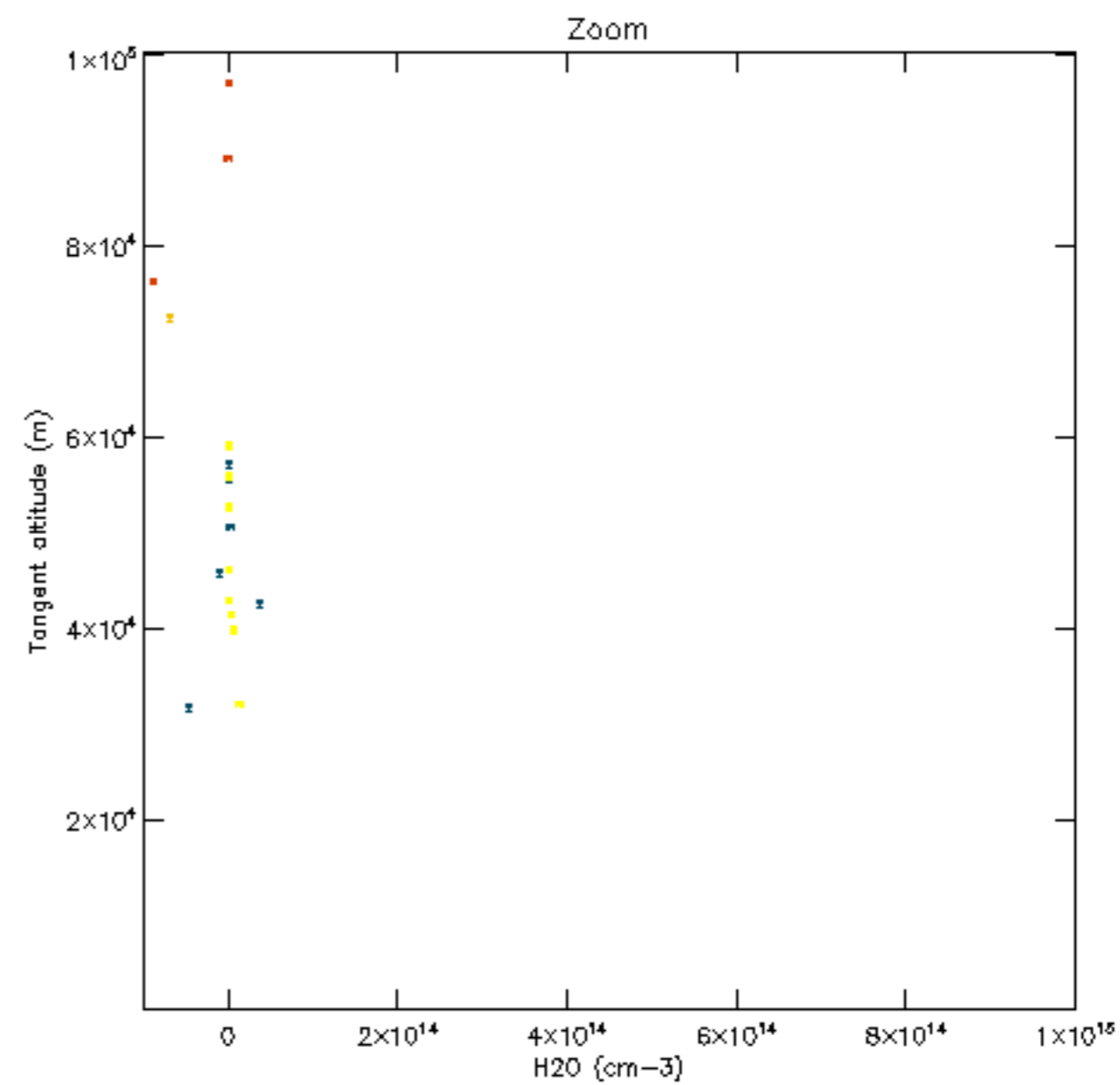
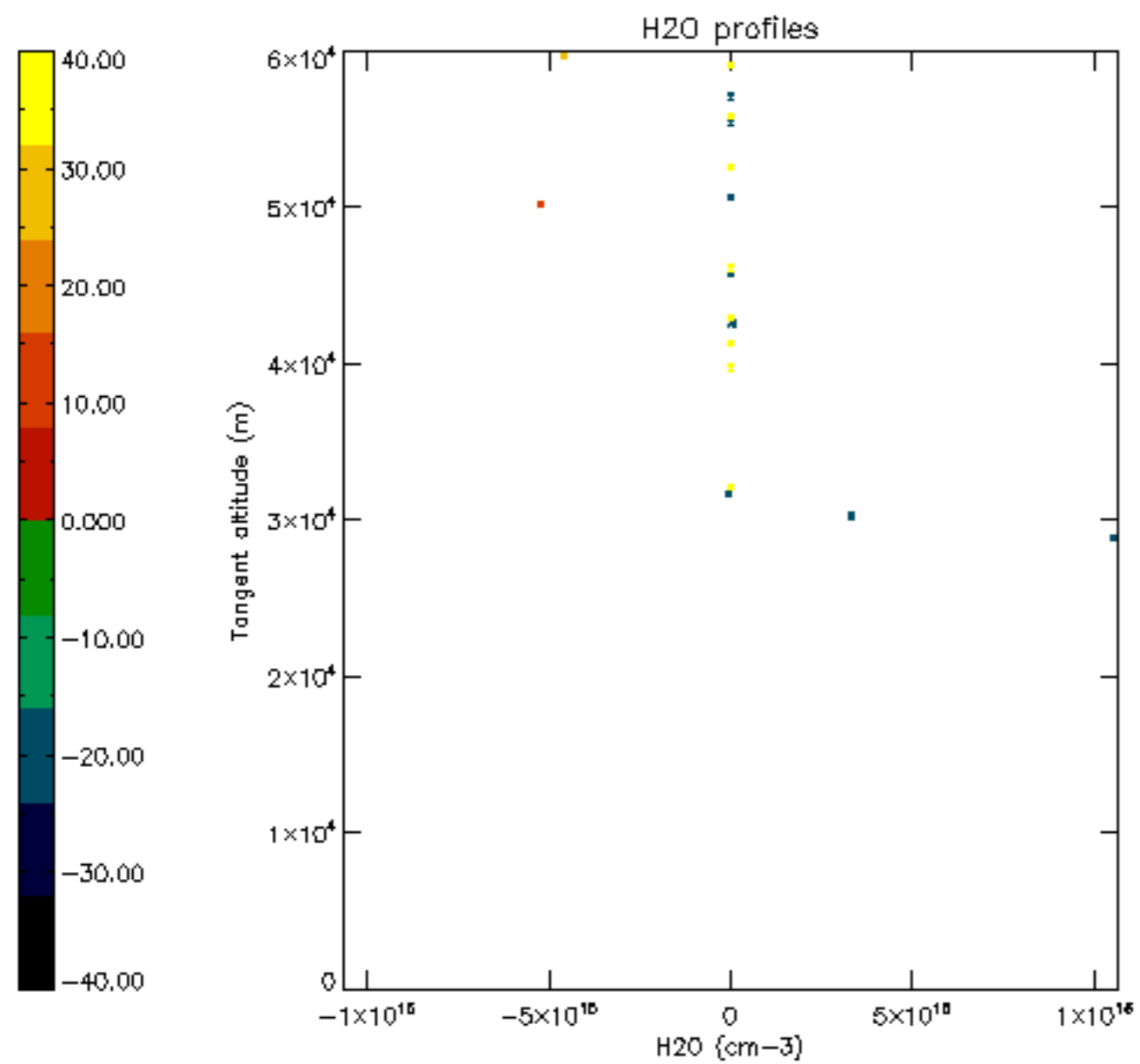


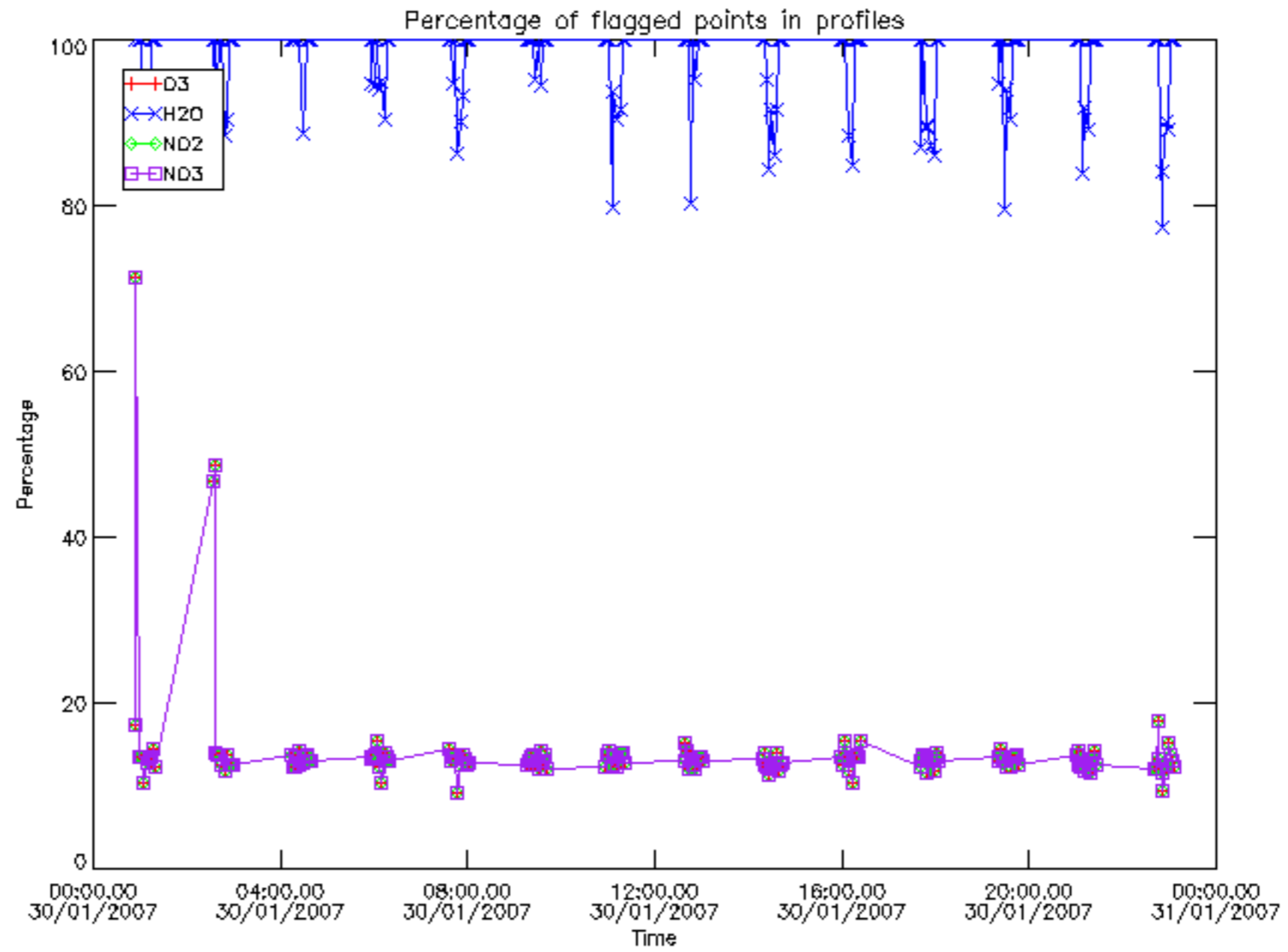






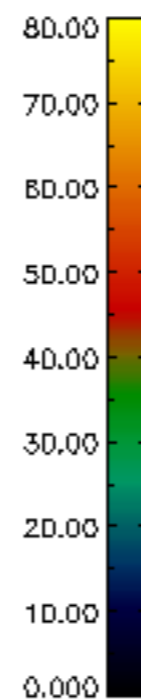
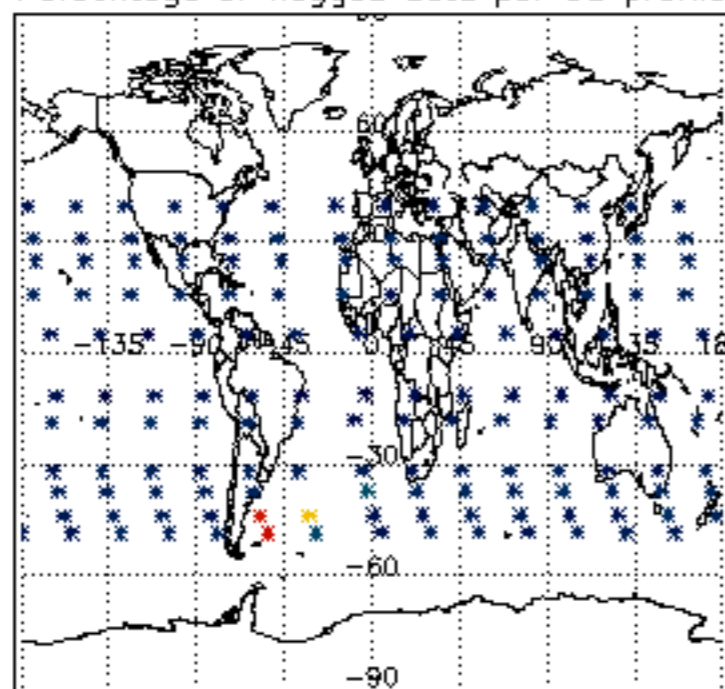




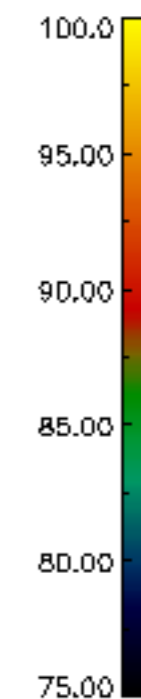
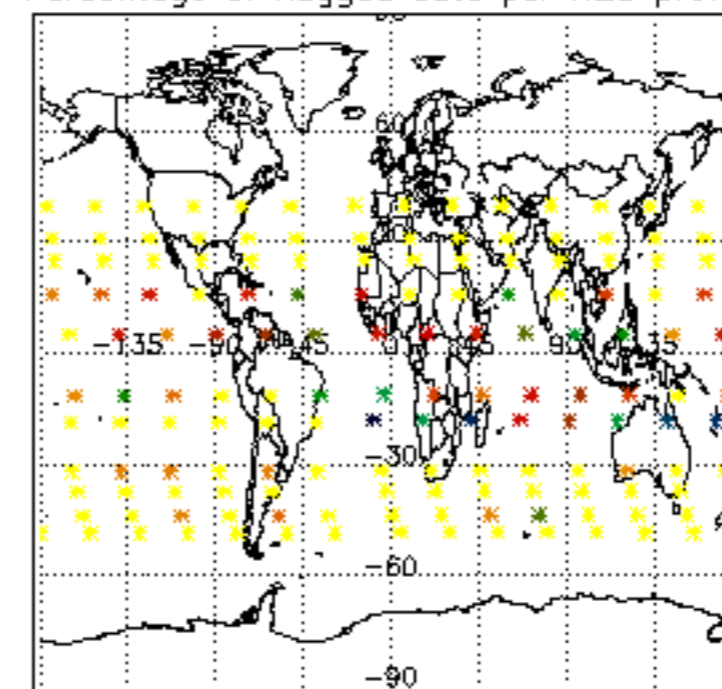




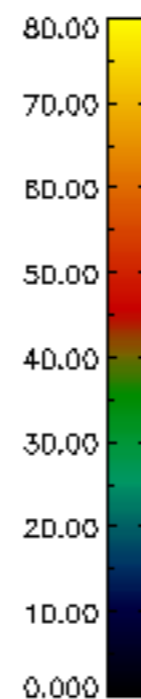
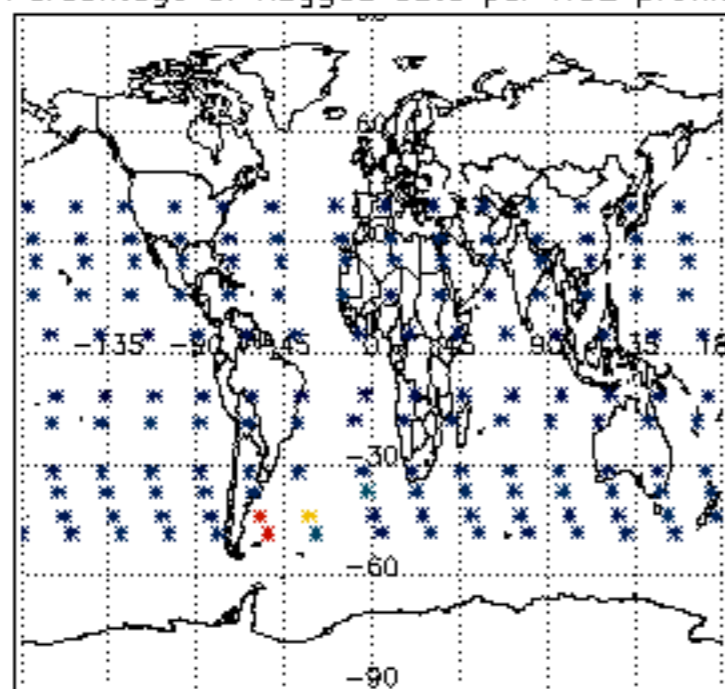
Percentage of flagged data per D3 profile



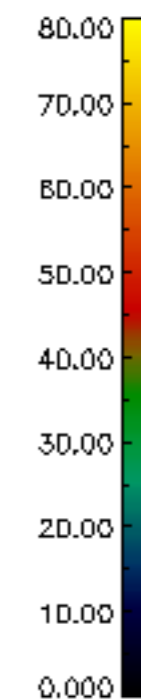
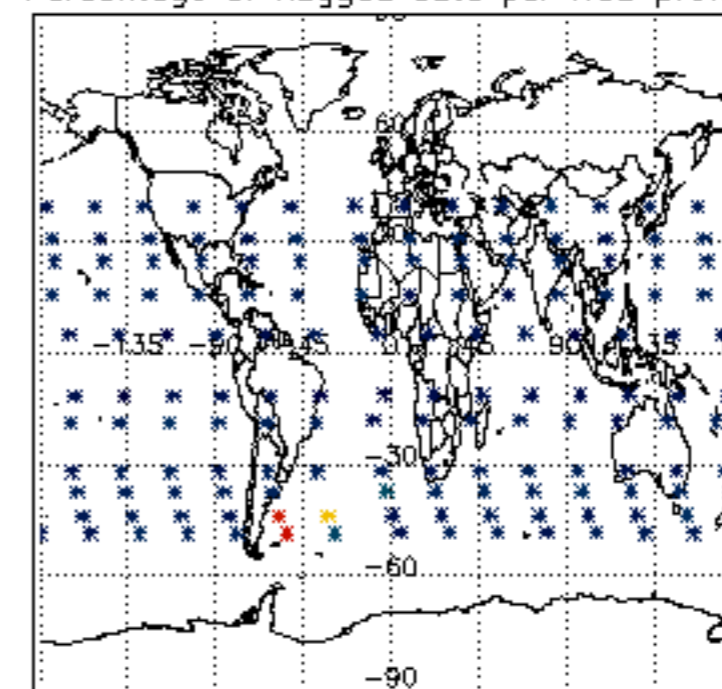
Percentage of flagged data per H2O profile

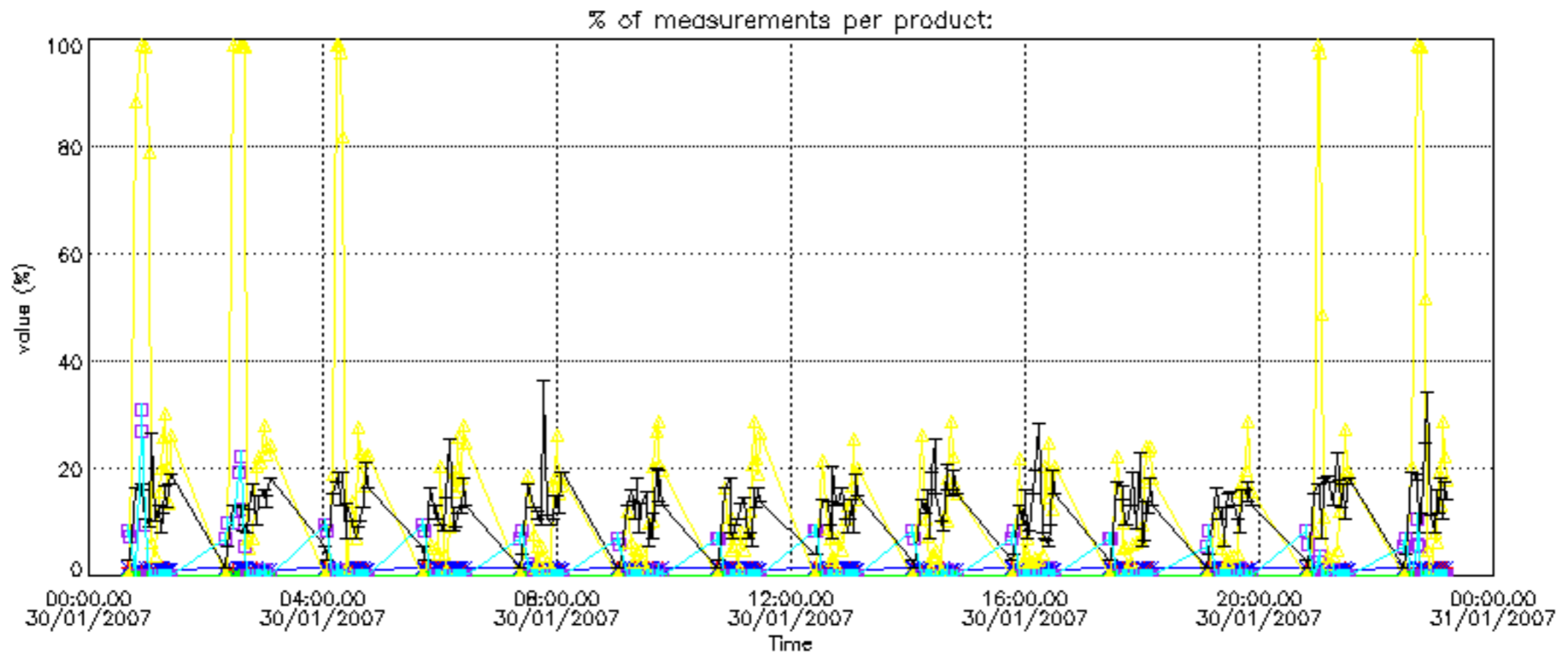


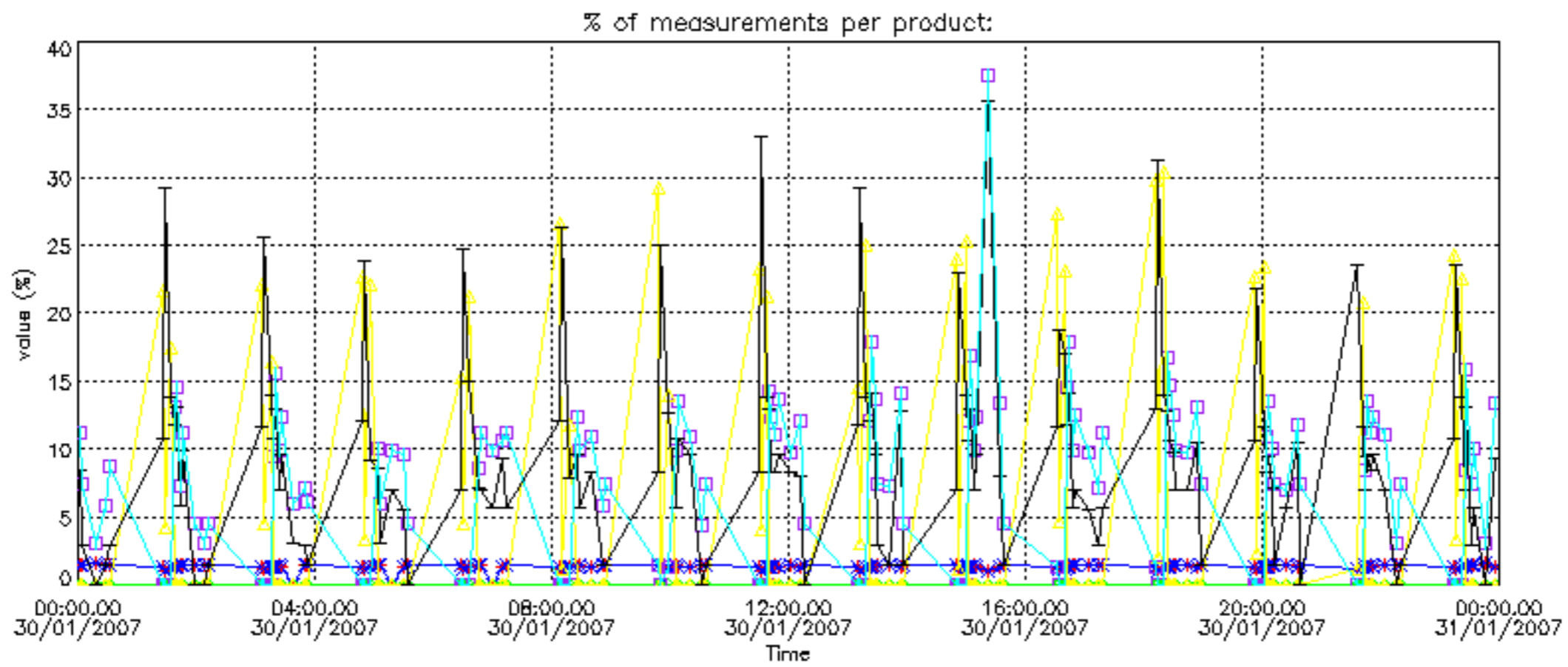
Percentage of flagged data per NO2 profile



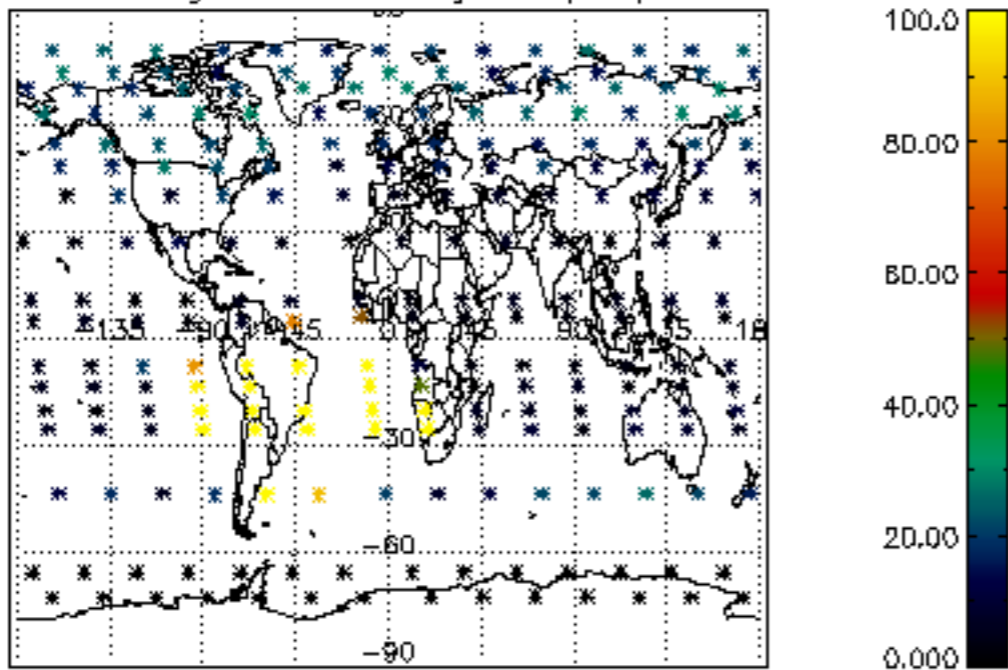
Percentage of flagged data per NO3 profile



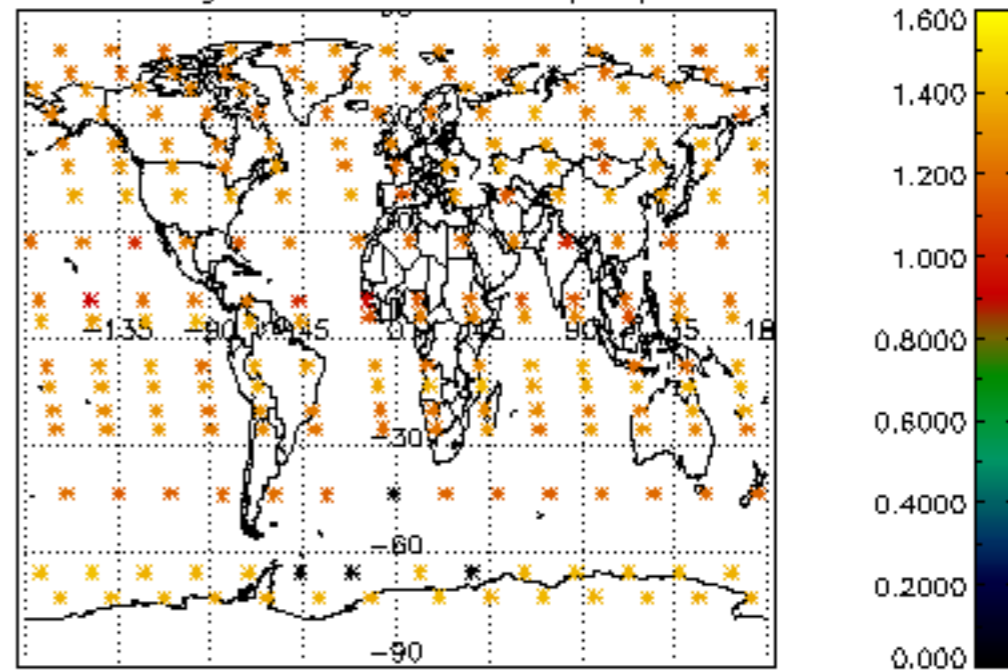




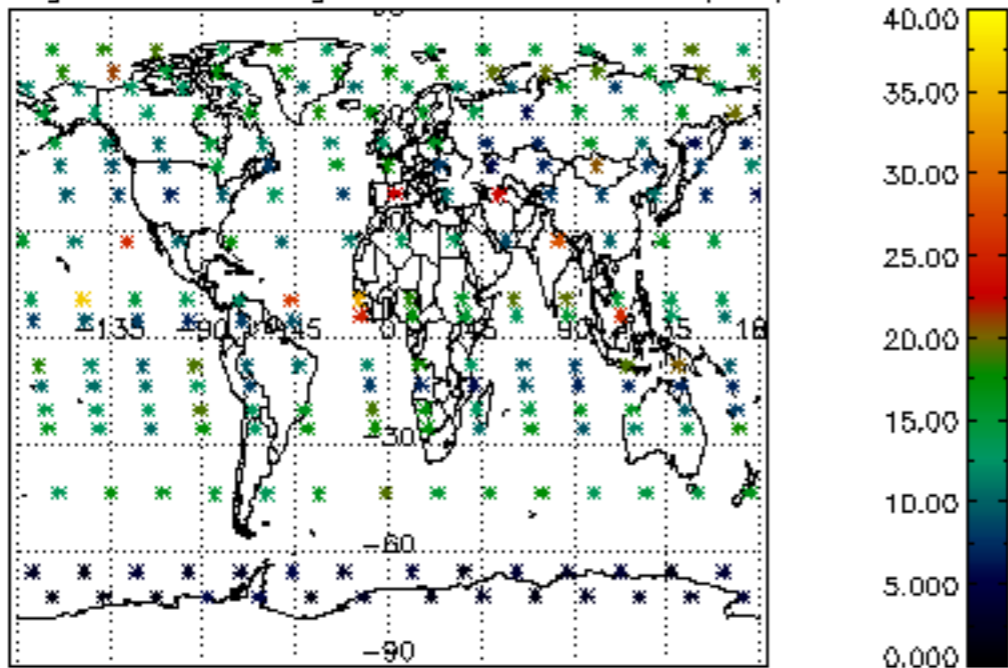
Percentage of cosmic ray hits per profile



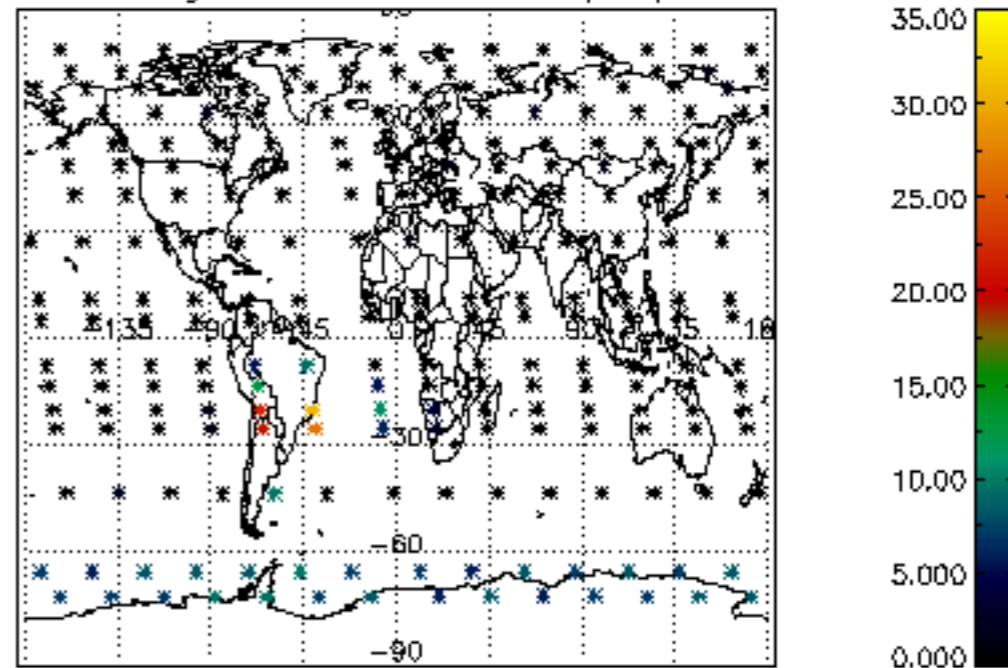
Percentage of datation errors per profile



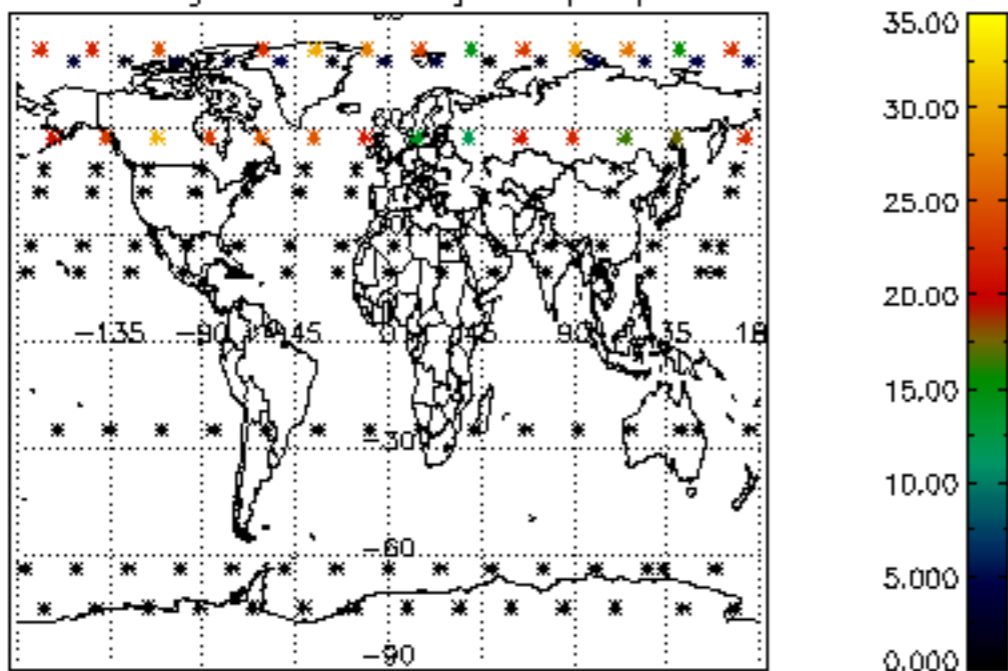
Percentage of star falling outside central band per profile



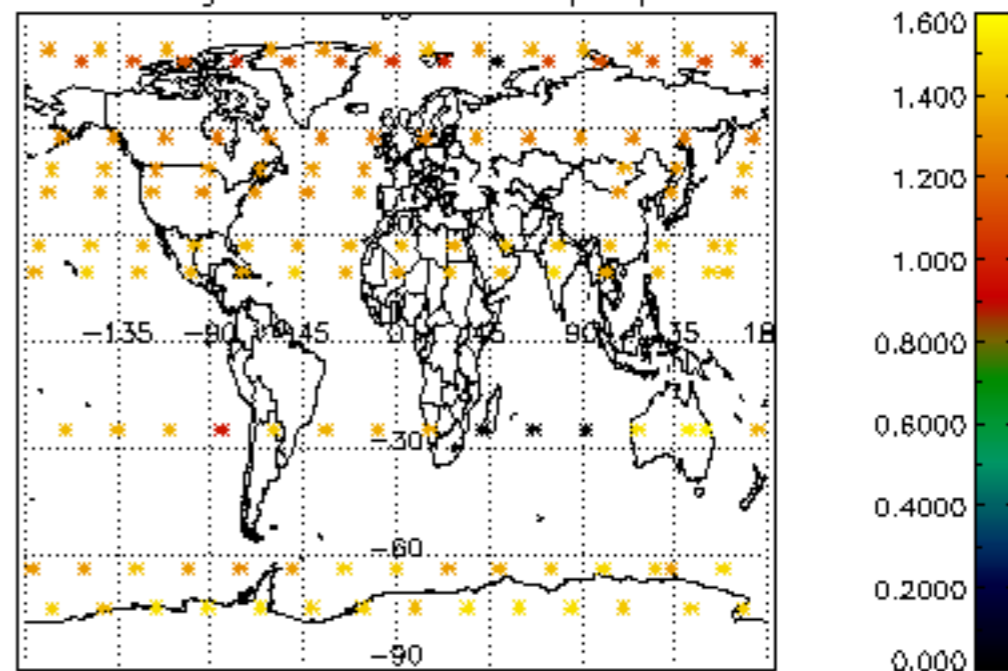
Percentage of saturation errors per profile



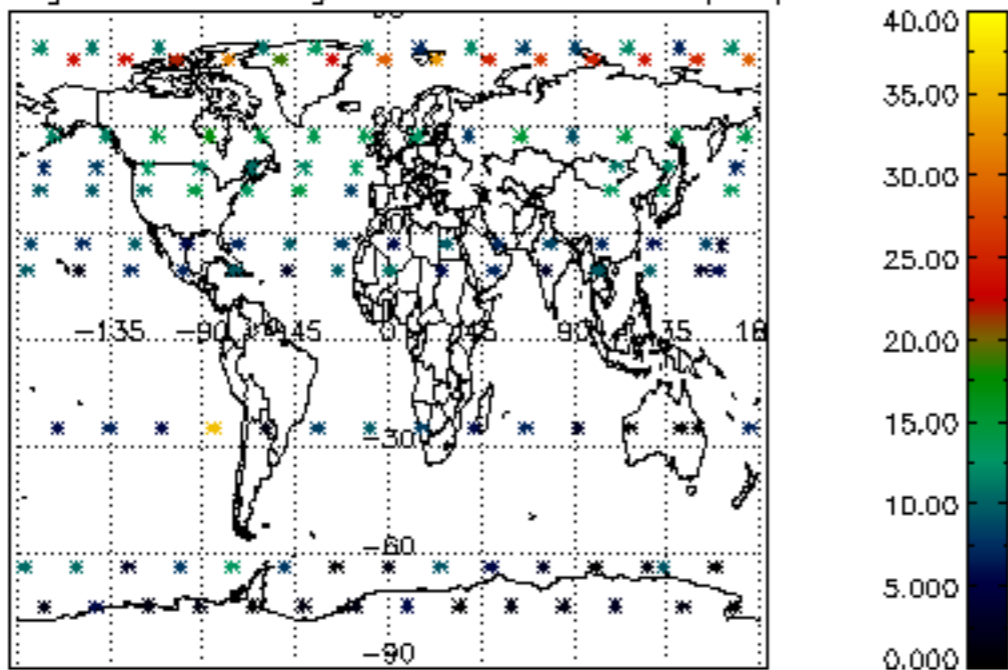
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

