

# GOMOS Level 2 Daily Report

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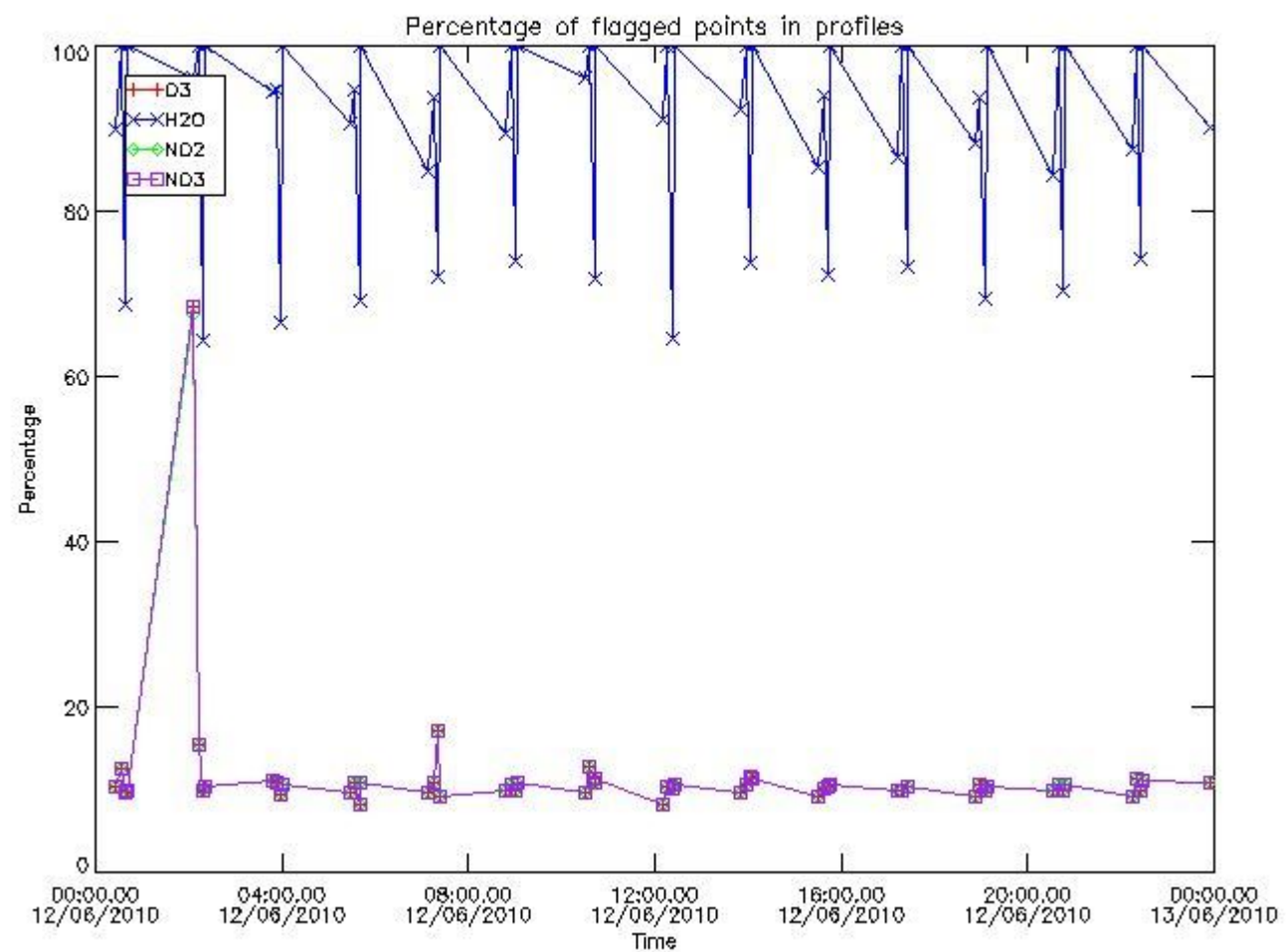


279	GOM_NL__2PRFIN20100612_232102_000000482090_00173_43313_4406.N1	12-JUN-2010 23:21:02	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43313	No
280	GOM_NL__2PRFIN20100612_232711_000000442090_00173_43313_4407.N1	12-JUN-2010 23:27:11	Bright	44.000	74	11Bet Cas	2.2680	6600.0	88	43313	No
281	GOM_NL__2PRFIN20100612_233327_000000402090_00173_43313_4408.N1	12-JUN-2010 23:33:27	Bright	39.500	73	57Gam1And	2.2600	13100.	79	43313	No
282	GOM_NL__2PRFIN20100612_233548_000000582090_00173_43313_4409.N1	12-JUN-2010 23:35:48	Twilight	57.500	53	43Bet And	2.0480	3300.0	115	43313	No
283	GOM_NL__2PRFIN20100612_233910_000000492090_00173_43313_4410.N1	12-JUN-2010 23:39:10	Twilight	48.500	50	13Alp Ari	2.0070	4250.0	97	43313	No
284	GOM_NL__2PRFIN20100612_235419_000000562090_00173_43313_4411.N1	12-JUN-2010 23:54:19	Dark	56.000	52	16Bet Cet	2.0370	4500.0	112	43313	No

### 3. Quality information per product

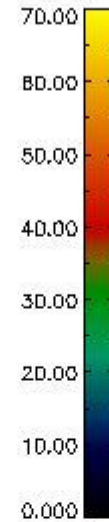
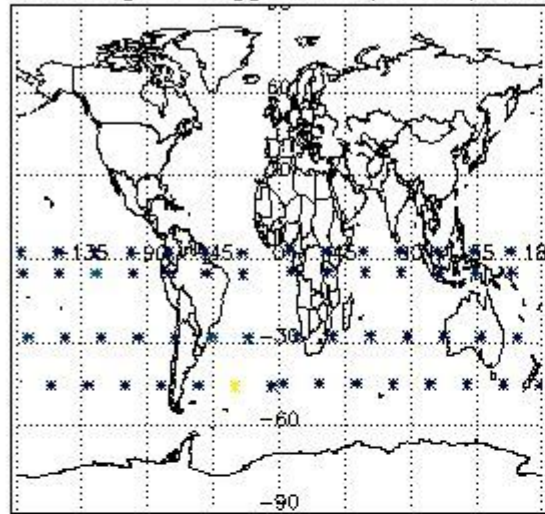
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

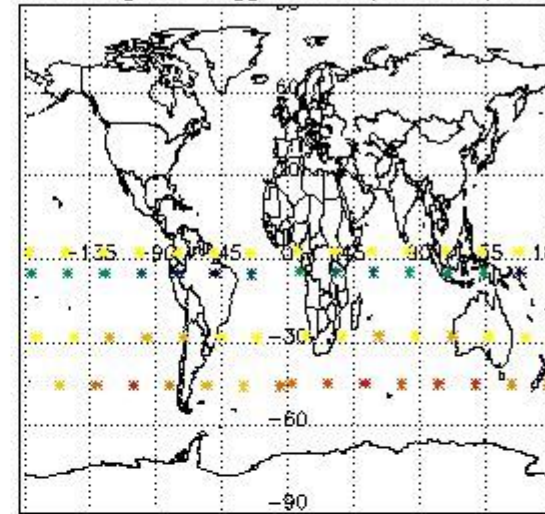


#### 3.2 Plot quality information per product (world map)

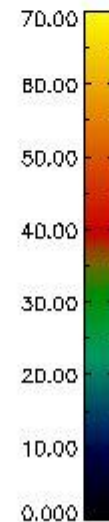
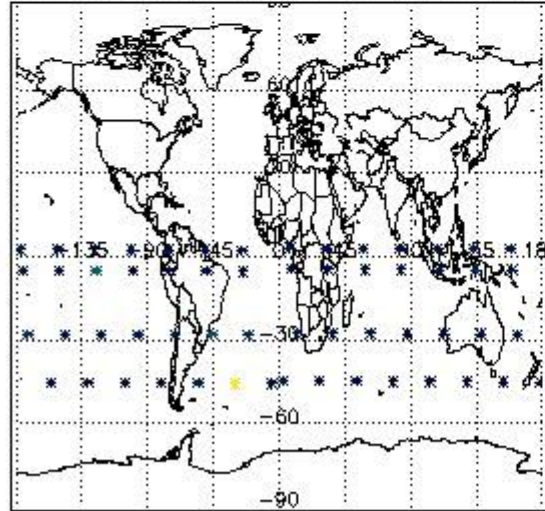
Percentage of flagged data per O3 profile



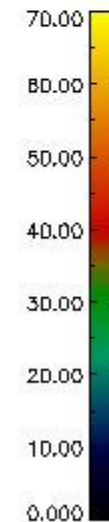
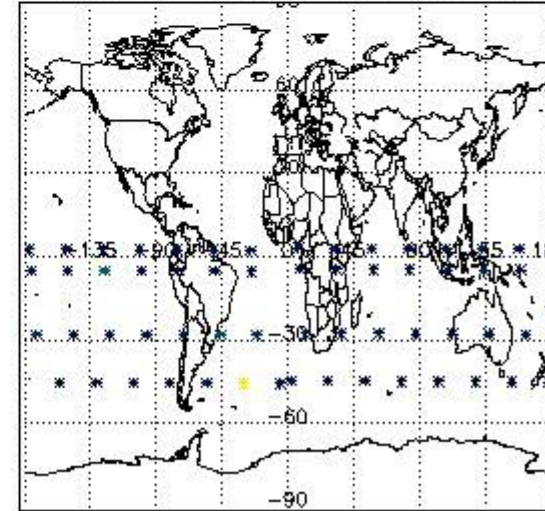
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile



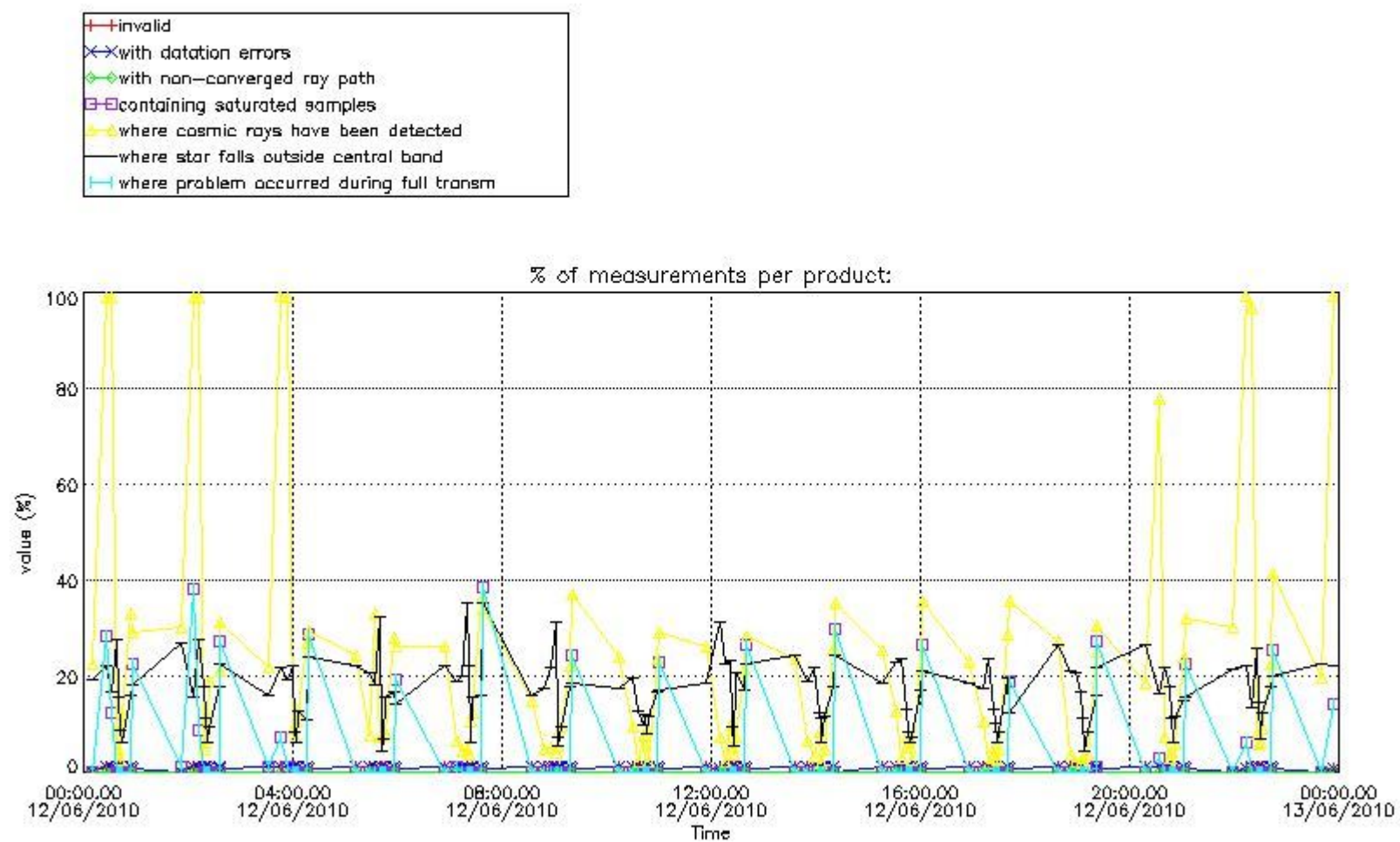
#### 4. Level 1 quality information per product

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

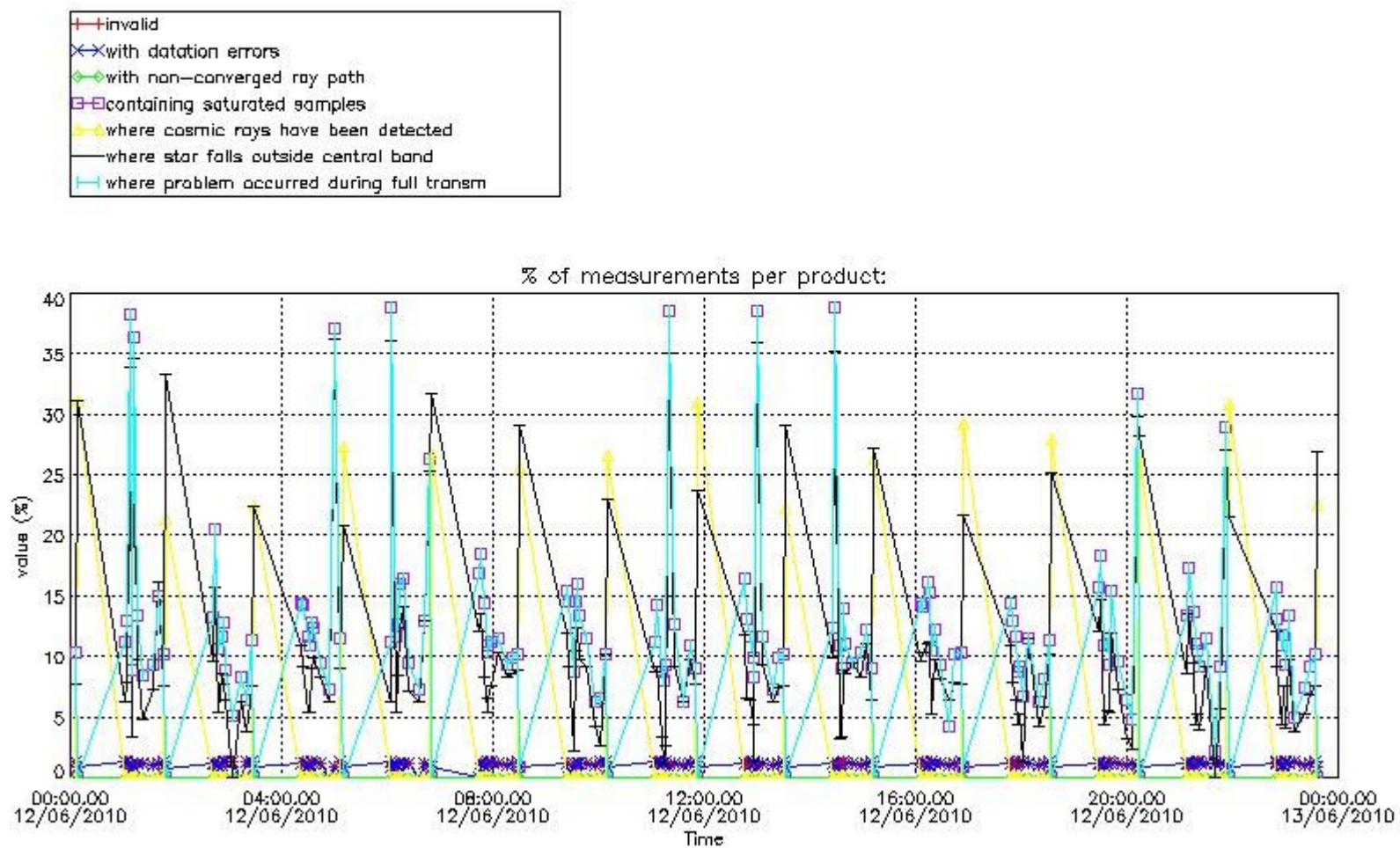
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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





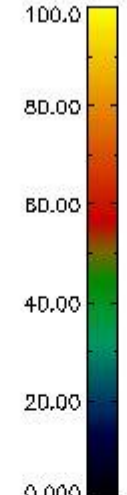
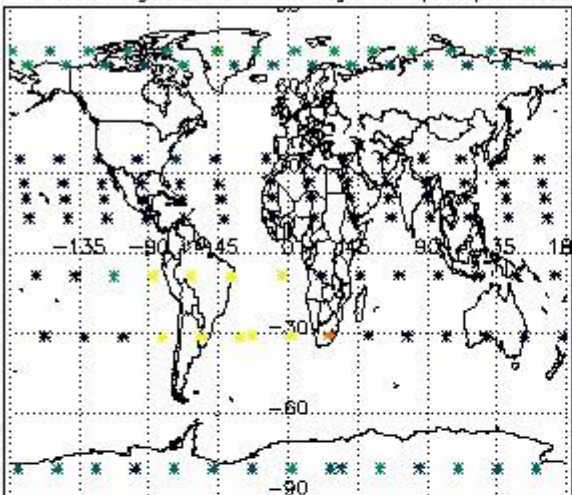
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



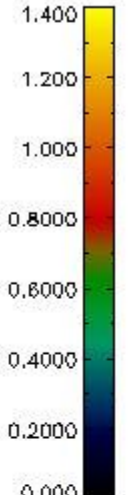
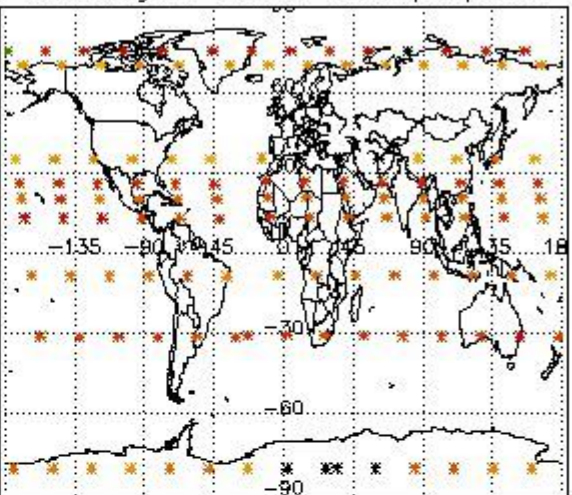
4.2 Plot quality information per product coming from level 1b processing (world map)

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

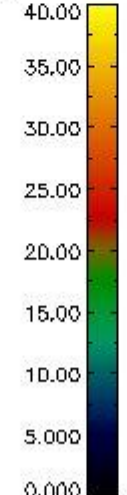
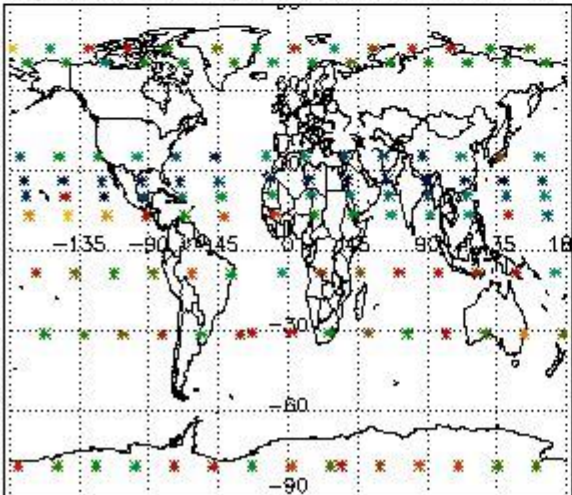
Percentage of cosmic ray hits per profile



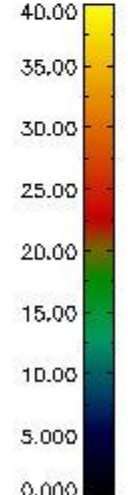
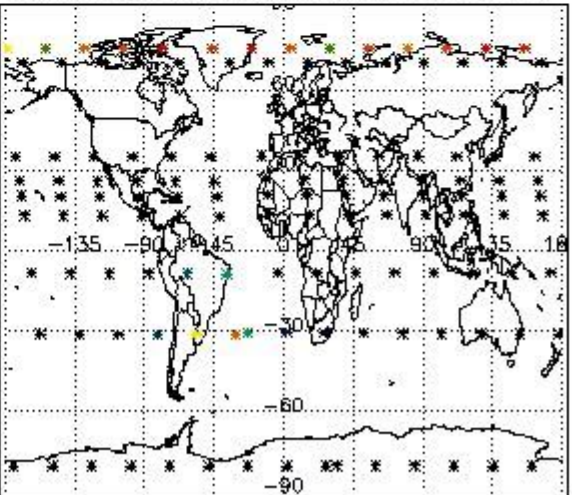
Percentage of datation errors per profile



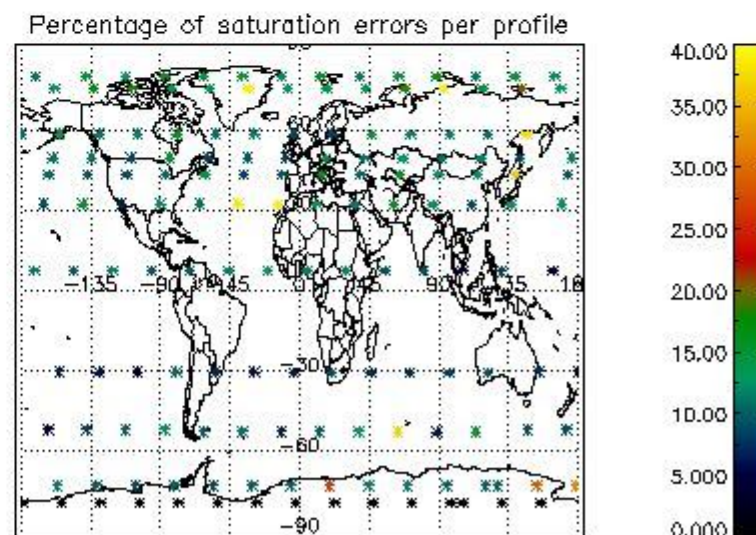
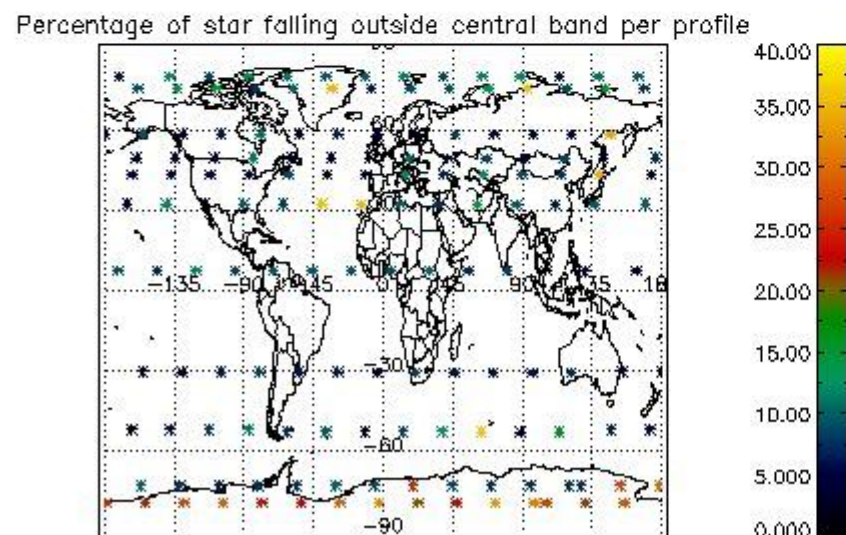
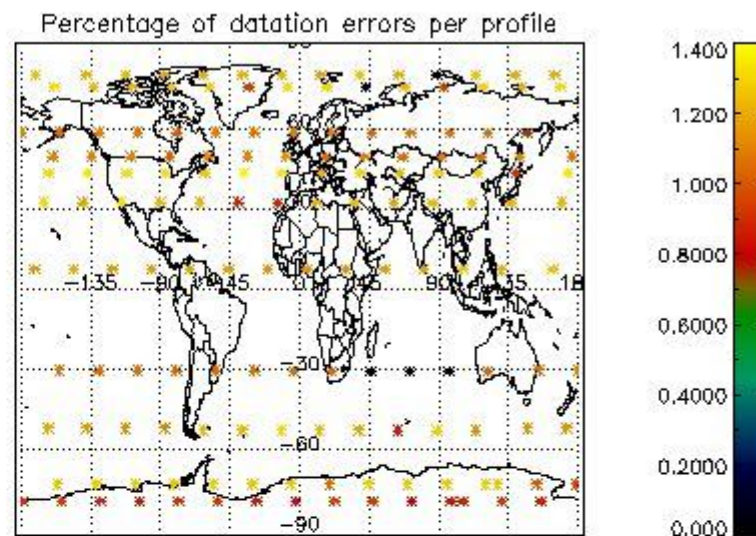
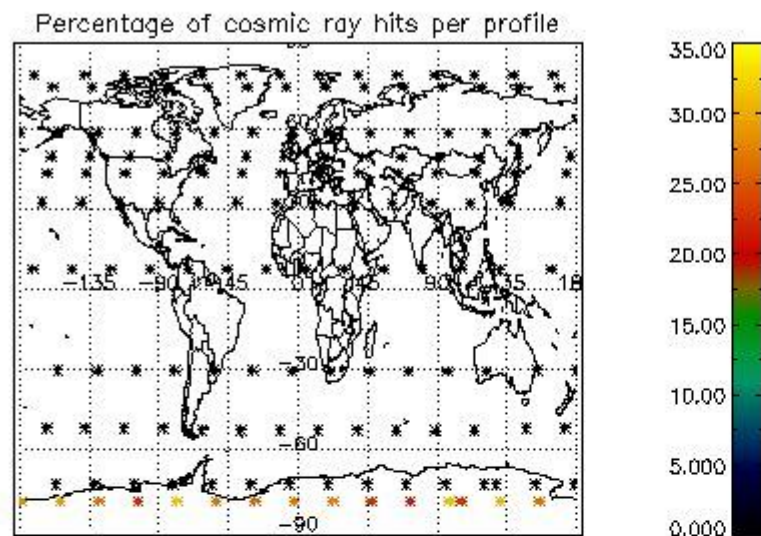
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

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

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

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

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

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

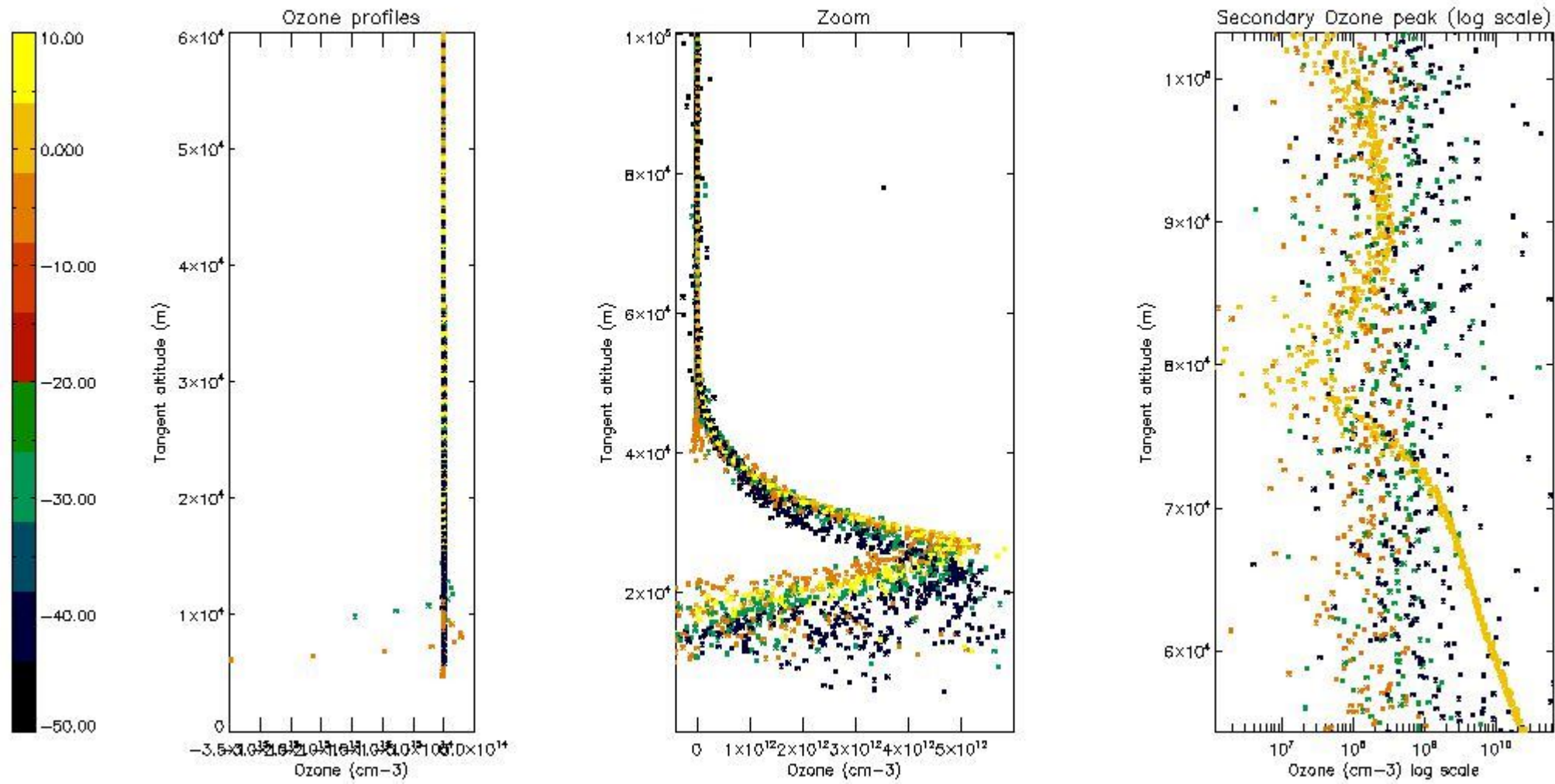
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	22
STD < 20	8

STD < 10	4
STD < 5	3

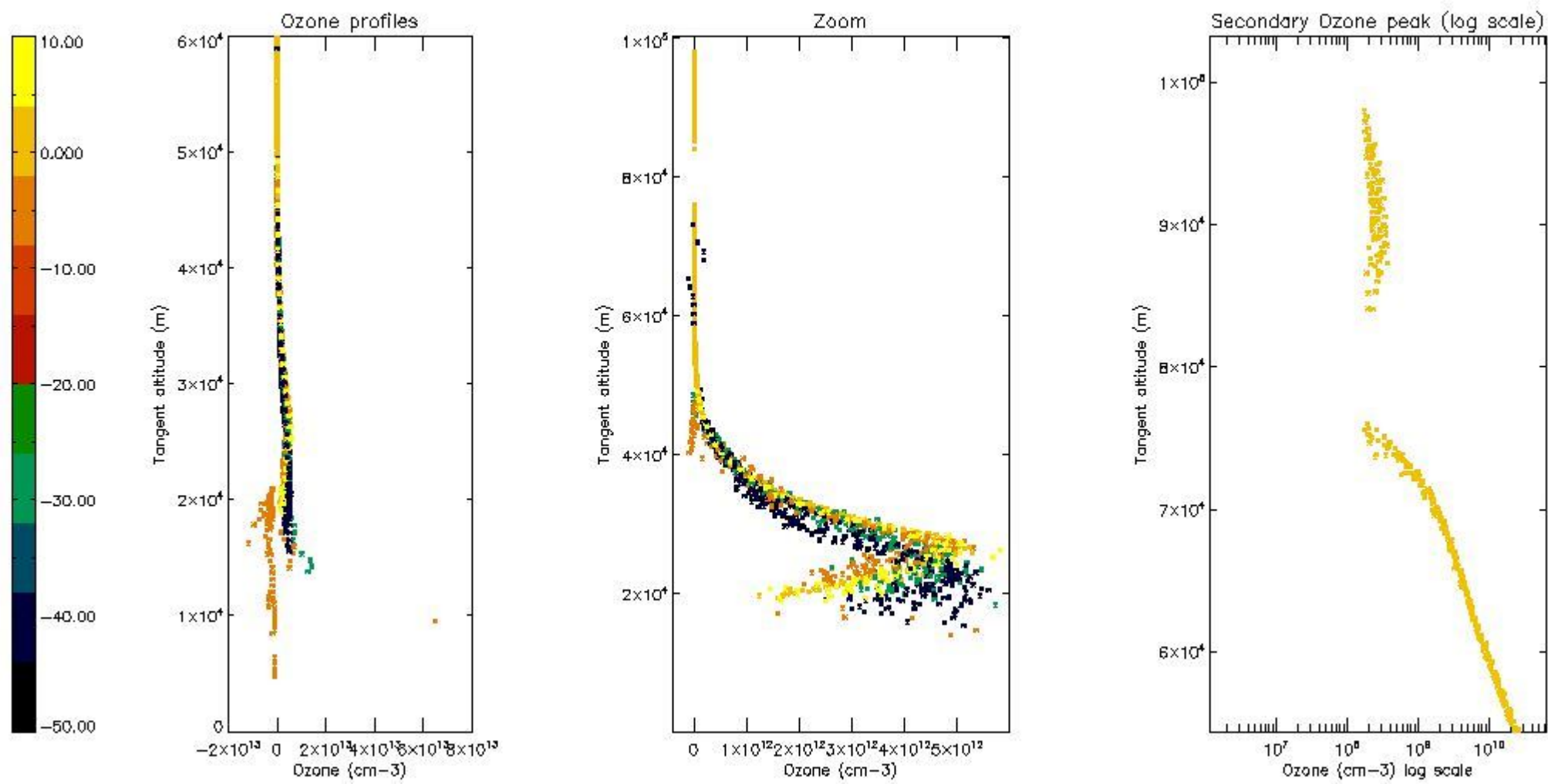
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



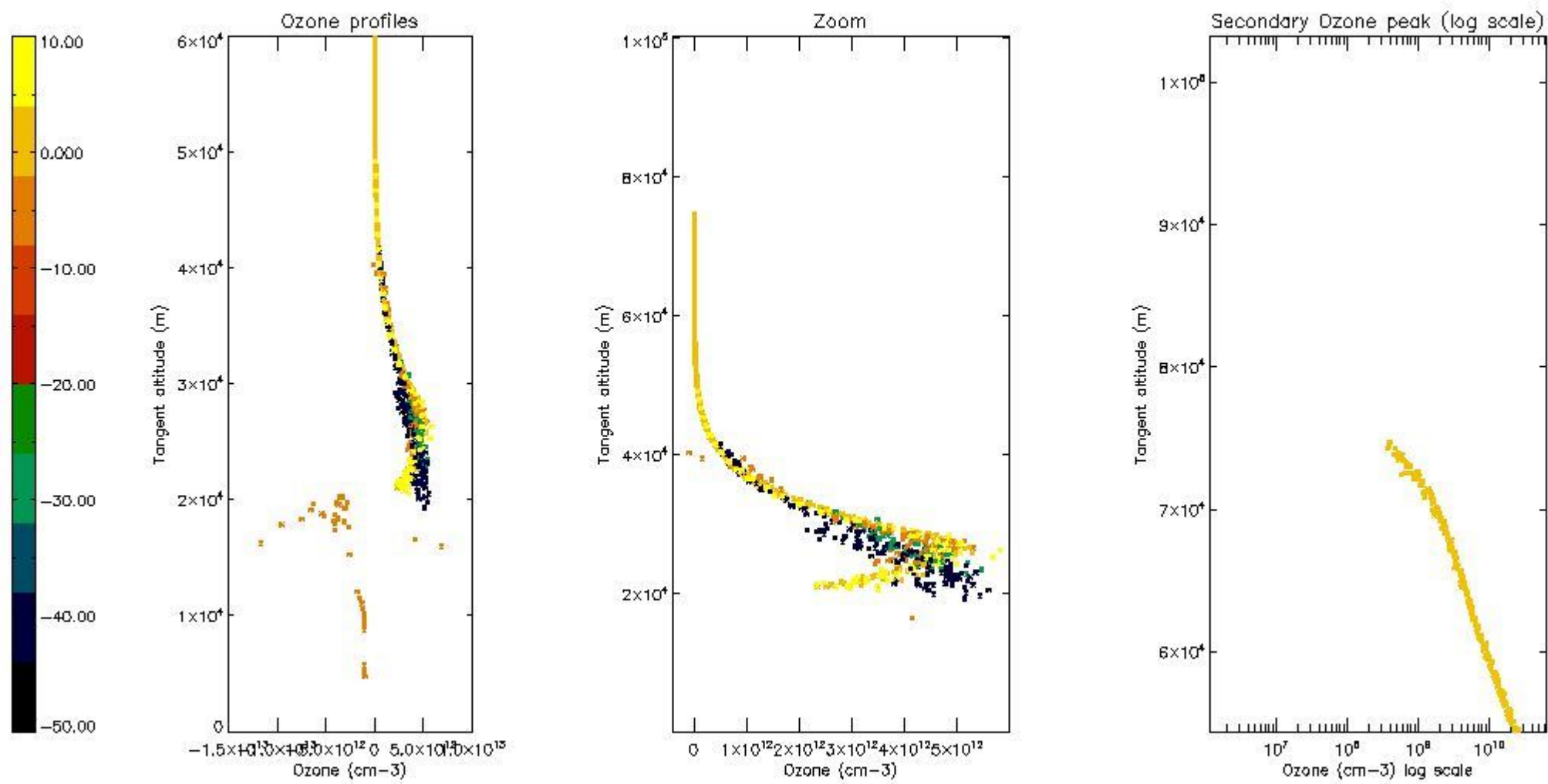
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



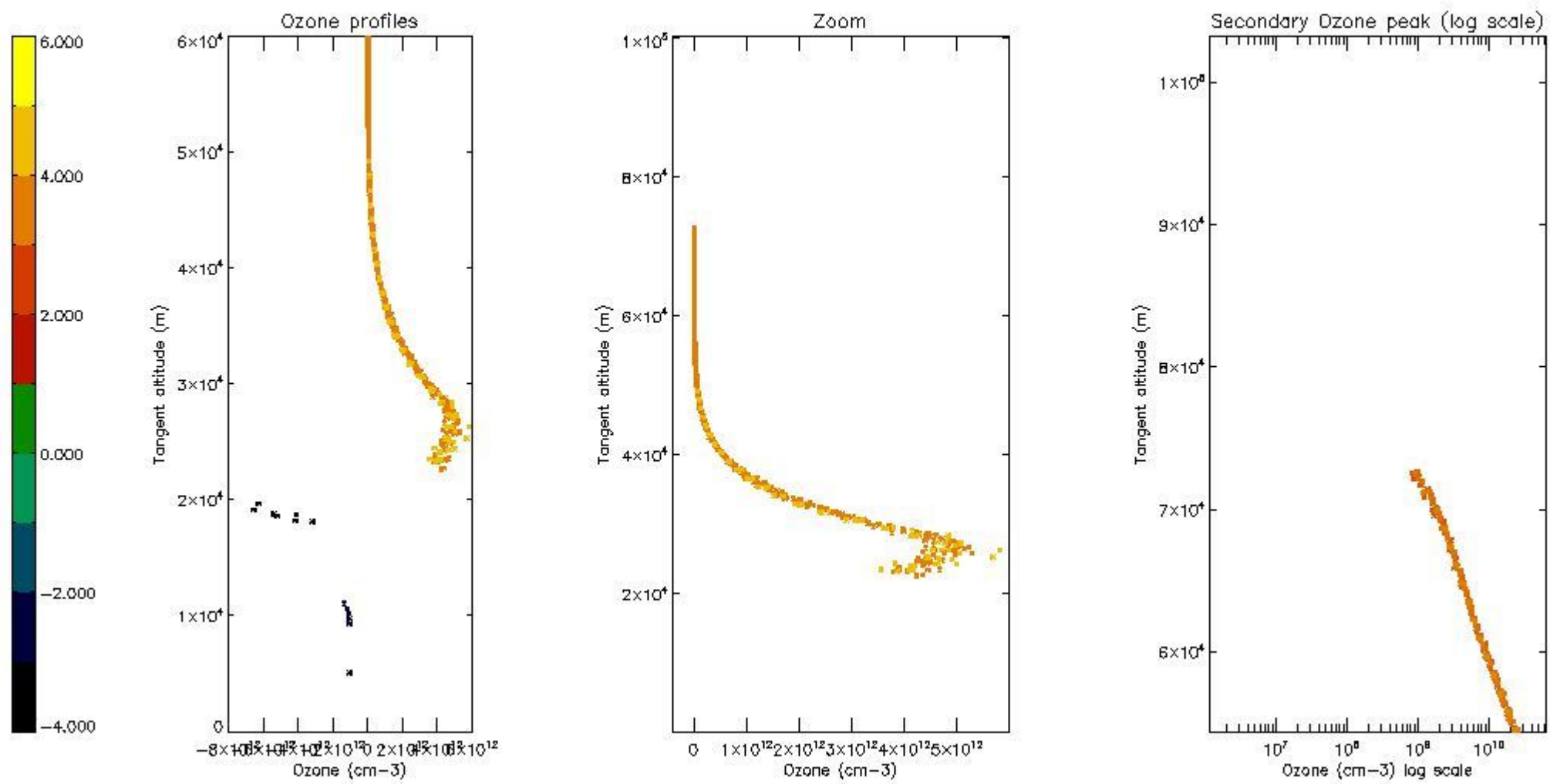
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



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

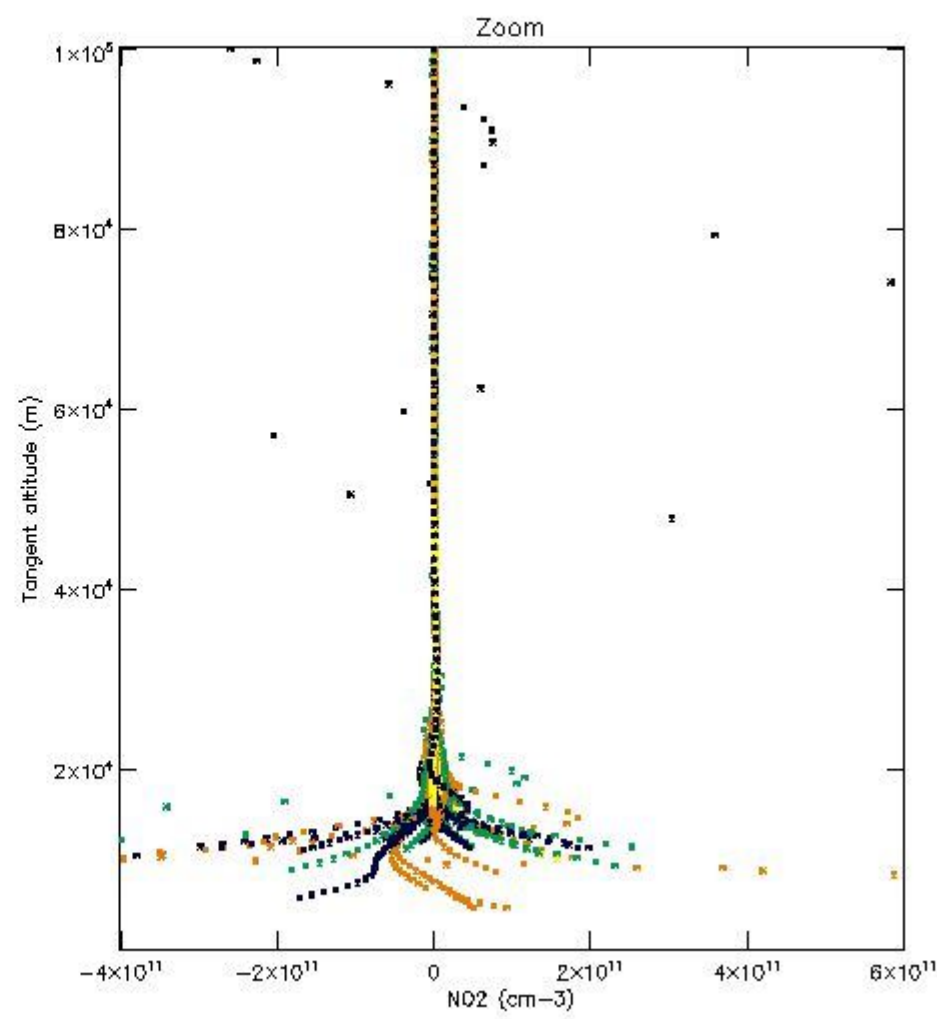
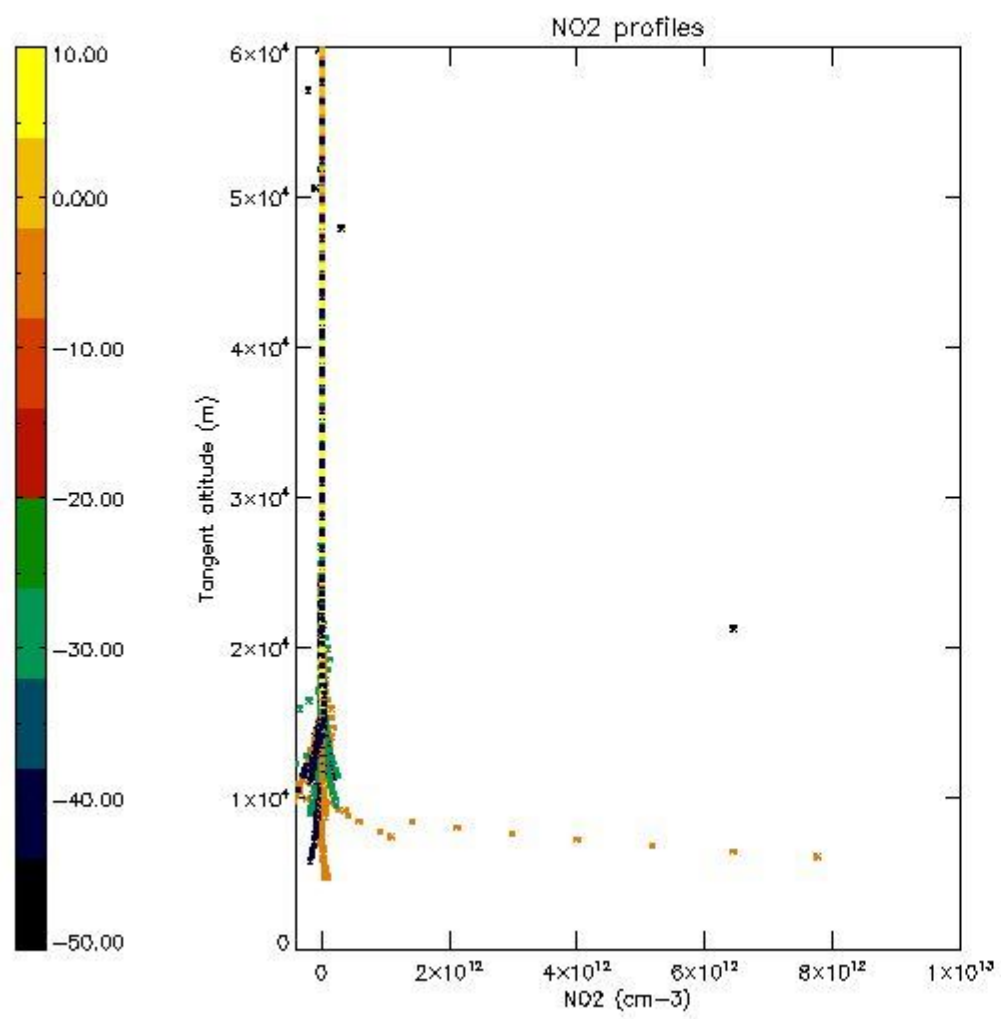
The colorbar represents the latitude.



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

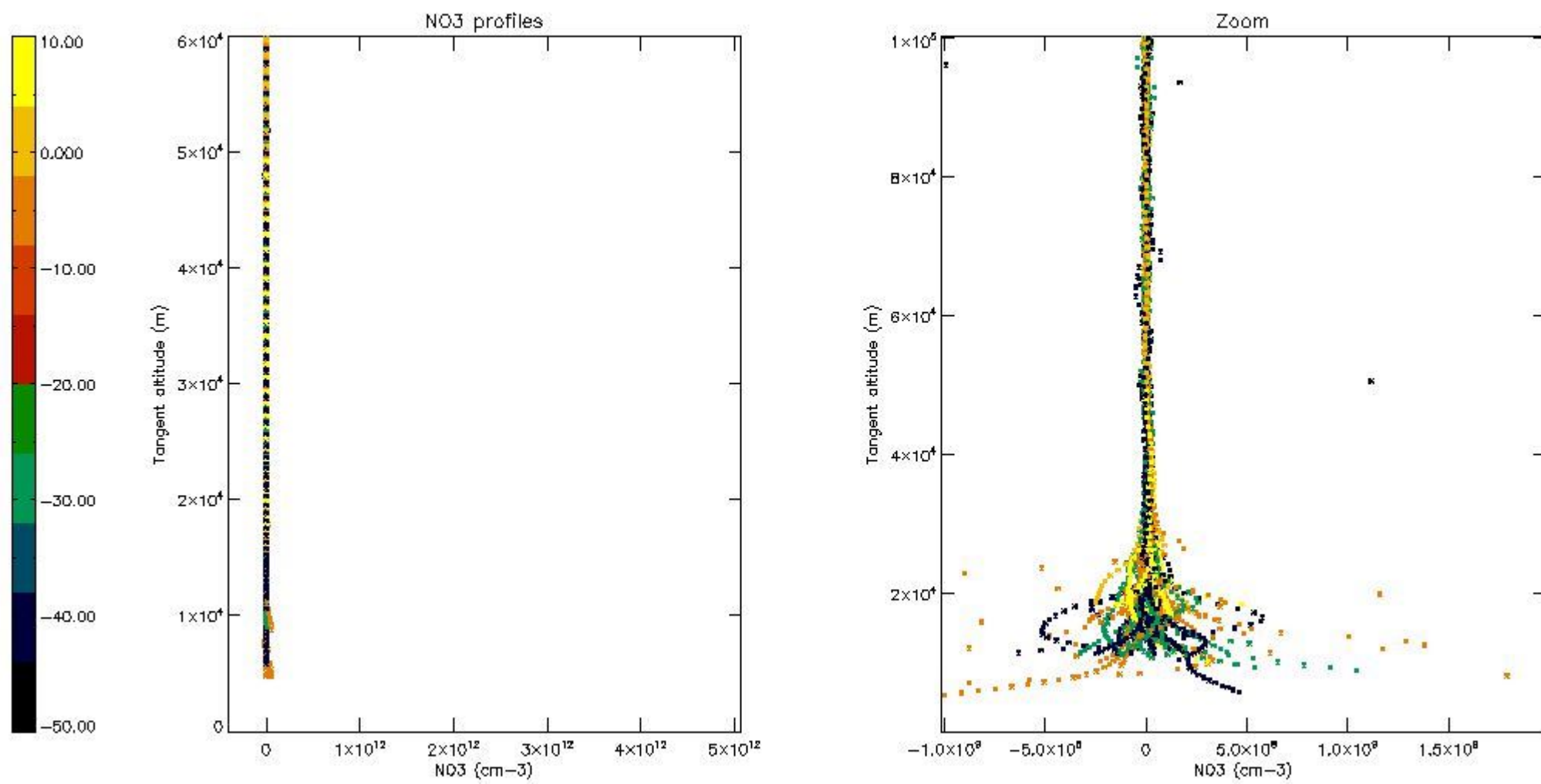
The colorbar represents the latitude.





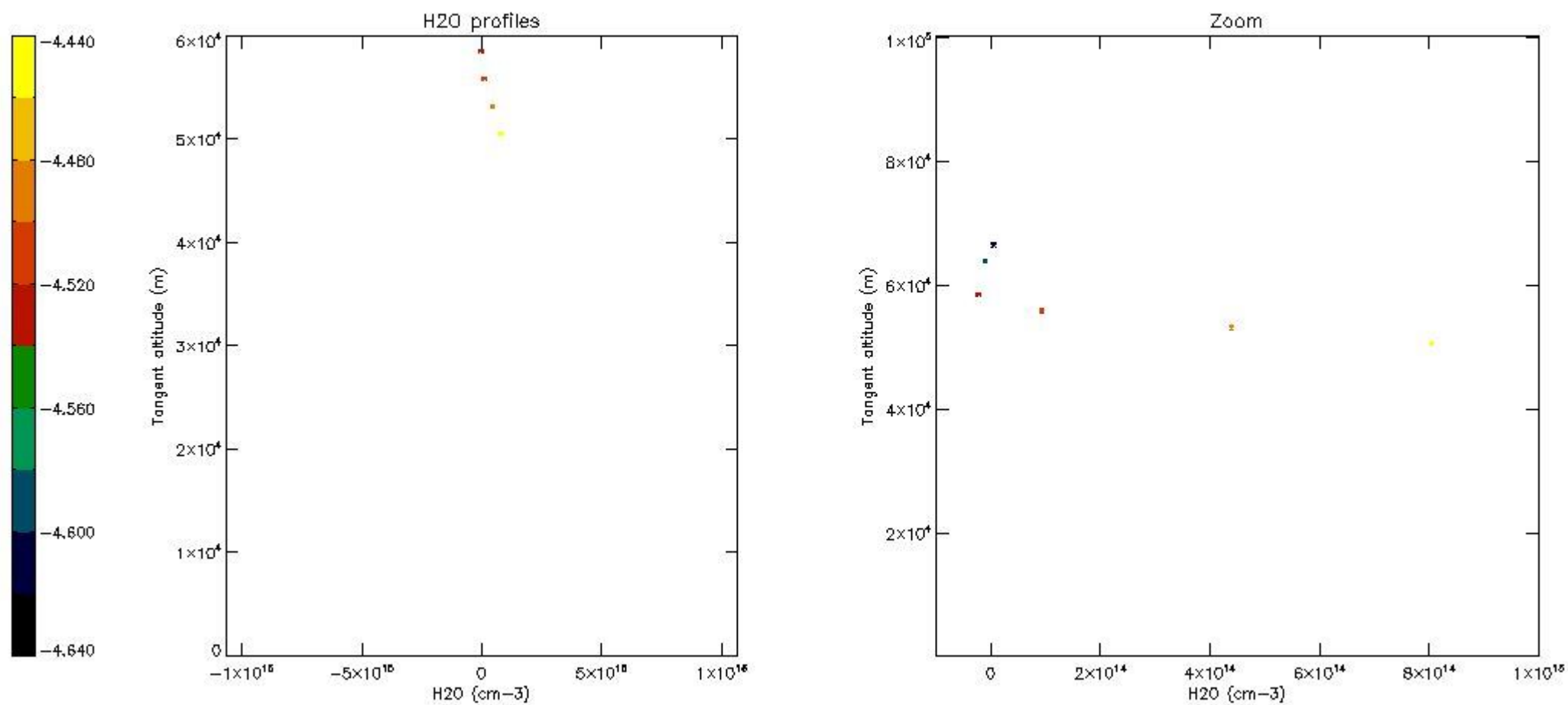
*5.7 Plot NO3 profiles for all STD (dark without errors)*

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	12-JUN-2010 00:05:03
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	12-JUN-2010 00:05:03
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	12-JUN-2010 00:05:03

# GOMOS Level 2 Daily Report

## SUMMARY

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### [4. Level 1 Quality information per product \(stored on level 2 products\)](#)

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##### [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](#)

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	29APR2013 11:51:28
Data source version	GOMOS/6.01
Start time of products	12-06-2010 (12JUN2010 00:00:00)
Stop time of products	13-06-2010 (13JUN2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	284
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__2PRFIN20100612_000503_000000392090_00159_43299_4256.N1	12-JUN-2010 00:05:03	Bright	39.000	73	57Gam1And	2.2600	13100.	78	43299	No
2	GOM_NL__2PRFIN20100612_000723_000000602090_00159_43299_4257.N1	12-JUN-2010 00:07:23	Twilight	59.500	53	43Bet And	2.0480	3300.0	119	43299	No
3	GOM_NL__2PRFIN20100612_001044_000000452090_00159_43299_4258.N1	12-JUN-2010 00:10:44	Twilight	44.500	50	13Alp Ari	2.0070	4250.0	89	43299	No
4	GOM_NL__2PRFIN20100612_002543_000000552090_00159_43299_4259.N1	12-JUN-2010 00:25:43	Dark	54.500	52	16Bet Cet	2.0370	4500.0	109	43299	No
5	GOM_NL__2PRFIN20100612_003208_000000452090_00159_43299_4260.N1	12-JUN-2010 00:32:08	Dark	45.000	84	Alp Phe	2.3970	4500.0	90	43299	No
6	GOM_NL__2PRFIN20100612_003809_000000582090_00160_43300_4249.N1	12-JUN-2010 00:38:09	Dark	58.000	63	Bet Gru	2.1500	2800.0	116	43300	No
7	GOM_NL__2PRFIN20100612_004011_000000522090_00160_43300_4250.N1	12-JUN-2010 00:40:11	Dark	51.500	31	Alp Gru	1.7340	15200.	103	43300	No
8	GOM_NL__2PRFIN20100612_004145_000000582090_00160_43300_4251.N1	12-JUN-2010 00:41:45	Straylight	58.000	172	Gam Gru	3.0030	13100.	116	43300	No
9	GOM_NL__2PRFIN20100612_004422_000000422090_00160_43300_4252.N1	12-JUN-2010 00:44:22	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	43300	No
10	GOM_NL__2PRFIN20100612_005433_000000442090_00160_43300_4253.N1	12-JUN-2010 00:54:33	Twilight	44.000	25	35Lam Sco	1.6200	28000.	88	43300	No
11	GOM_NL__2PRFIN20100612_005614_000000602090_00160_43300_4254.N1	12-JUN-2010 00:56:14	Bright	60.000	57	34Sig Sgr	2.0660	26000.	120	43300	No
12	GOM_NL__2PRFIN20100612_010119_000000402090_00160_43300_4255.N1	12-JUN-2010 01:01:19	Bright	40.000	86	35Eta Oph	2.4300	10200.	80	43300	No
13	GOM_NL__2PRFIN20100612_010304_000000392090_00160_43300_4256.N1	12-JUN-2010 01:03:04	Bright	38.500	98	13Zet Oph	2.5710	30000.	77	43300	No
14	GOM_NL__2PRFIN20100612_010815_000000682090_00160_43300_4257.N1	12-JUN-2010 01:08:15	Bright	68.000	126	60Bet Oph	2.7700	4250.0	136	43300	No
15	GOM_NL__2PRFIN20100612_011051_000000452090_00160_43300_4258.N1	12-JUN-2010 01:10:51	Bright	45.000	59	55Alp Oph	2.0800	8900.0	90	43300	No
16	GOM_NL__2PRFIN20100612_011236_000000552090_00160_43300_4259.N1	12-JUN-2010 01:12:36	Bright	55.000	127	27Bet Her	2.7810	4700.0	110	43300	No
17	GOM_NL__2PRFIN20100612_011543_000000412090_00160_43300_4260.N1	12-JUN-2010 01:15:43	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	43300	No
18	GOM_NL__2PRFIN20100612_012244_000000422090_00160_43300_4261.N1	12-JUN-2010 01:22:44	Bright	41.500	130	23Bet Dra	2.7990	5800.0	83	43300	No
19	GOM_NL__2PRFIN20100612_013323_000000492090_00160_43300_4262.N1	12-JUN-2010 01:33:23	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	43300	No
20	GOM_NL__2PRFIN20100612_013940_000000442090_00160_43300_4263.N1	12-JUN-2010 01:39:40	Bright	43.500	76	27Gam Cas	2.3000	30000.	87	43300	No
21	GOM_NL__2PRFIN20100612_014539_000000402090_00160_43300_4264.N1	12-JUN-2010 01:45:39	Bright	39.500	73	57Gam1And	2.2600	13100.	79	43300	No
22	GOM_NL__2PRFIN20100612_014759_000000632090_00160_43300_4265.N1	12-JUN-2010 01:47:59	Twilight	63.000	53	43Bet And	2.0480	3300.0	126	43300	No
23	GOM_NL__2PRFIN20100612_015120_000000502090_00160_43300_4266.N1	12-JUN-2010 01:51:20	Twilight	50.000	50	13Alp Ari	2.0070	4250.0	100	43300	No
24	GOM_NL__2PRFIN20100612_020620_000000512090_00160_43300_4267.N1	12-JUN-2010 02:06:20	Dark	51.000	52	16Bet Cet	2.0370	4500.0	102	43300	No
25	GOM_NL__2PRFIN20100612_021245_000000532090_00160_43300_4268.N1	12-JUN-2010 02:12:45	Dark	52.500	84	Alp Phe	2.3970	4500.0	105	43300	No
26	GOM_NL__2PRFIN20100612_021846_000000512090_00161_43301_4277.N1	12-JUN-2010 02:18:46	Dark	51.000	63	Bet Gru	2.1500	2800.0	102	43301	No
27	GOM_NL__2PRFIN20100612_022048_000000492090_00161_43301_4278.N1	12-JUN-2010 02:20:48	Dark	49.000	31	Alp Gru	1.7340	15200.	98	43301	No
28	GOM_NL__2PRFIN20100612_022223_000000562090_00161_43301_4279.N1	12-JUN-2010 02:22:23	Straylight	55.500	172	Gam Gru	3.0030	13100.	111	43301	No
29	GOM_NL__2PRFIN20100612_022459_000000432090_00161_43301_4280.N1	12-JUN-2010 02:24:59	Straylight	42.500	45	Alp Pav	1.9400	26000.	85	43301	No
30	GOM_NL__2PRFIN20100612_023509_000000452090_00161_43301_4281.N1	12-JUN-2010 02:35:09	Twilight	45.000	25	35Lam Sco	1.6200	28000.	90	43301	No
31	GOM_NL__2PRFIN20100612_023650_000000642090_00161_43301_4282.N1	12-JUN-2010 02:36:50	Bright	64.000	57	34Sig Sgr	2.0660	26000.	128	43301	No
32	GOM_NL__2PRFIN20100612_024155_000000422090_00161_43301_4283.N1	12-JUN-2010 02:41:55	Bright	41.500	86	35Eta Oph	2.4300	10200.	83	43301	No
33	GOM_NL__2PRFIN20100612_024341_000000422090_00161_43301_4284.N1	12-JUN-2010 02:43:41	Bright	41.500	98	13Zet Oph	2.5710	30000.	83	43301	No
34	GOM_NL__2PRFIN20100612_024851_000000472090_00161_43301_4285.N1	12-JUN-2010 02:48:51	Bright	47.000	126	60Bet Oph	2.7700	4250.0	94	43301	No
35	GOM_NL__2PRFIN20100612_025127_000000472090_00161_43301_4286.N1	12-JUN-2010 02:51:27	Bright	47.000	59	55Alp Oph	2.0800	8900.0	94	43301	No
36	GOM_NL__2PRFIN20100612_025312_000000392090_00161_43301_4287.N1	12-JUN-2010 02:53:12	Bright	39.000	127	27Bet Her	2.7810	4700.0	78	43301	No
37	GOM_NL__2PRFIN20100612_025619_000000402090_00161_43301_4288.N1	12-JUN-2010 02:56:19	Bright	39.500	133	40Zet Her	2.8070	6000.0	79	43301	No
38	GOM_NL__2PRFIN20100612_030319_000000402090_00161_43301_4289.N1	12-JUN-2010 03:03:19	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	43301	No
39	GOM_NL__2PRFIN20100612_031358_000000492090_00161_43301_4290.N1	12-JUN-2010 03:13:58	Bright	48.500	89	5Alp Cep	2.4510	8000.0	97	43301	No
40	GOM_NL__2PRFIN20100612_032016_000000392090_00161_43301_4291.N1	12-JUN-2010 03:20:16	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	43301	No
41	GOM_NL__2PRFIN20100612_032615_000000402090_00161_43301_4292.N1	12-JUN-2010 03:26:15	Bright	39.500	73	57Gam1And	2.2600	13100.	79	43301	No
42	GOM_NL__2PRFIN20100612_032835_000000542090_00161_43301_4293.N1	12-JUN-2010 03:28:35	Twilight	53.500	53	43Bet And	2.0480	3300.0	107	43301	No









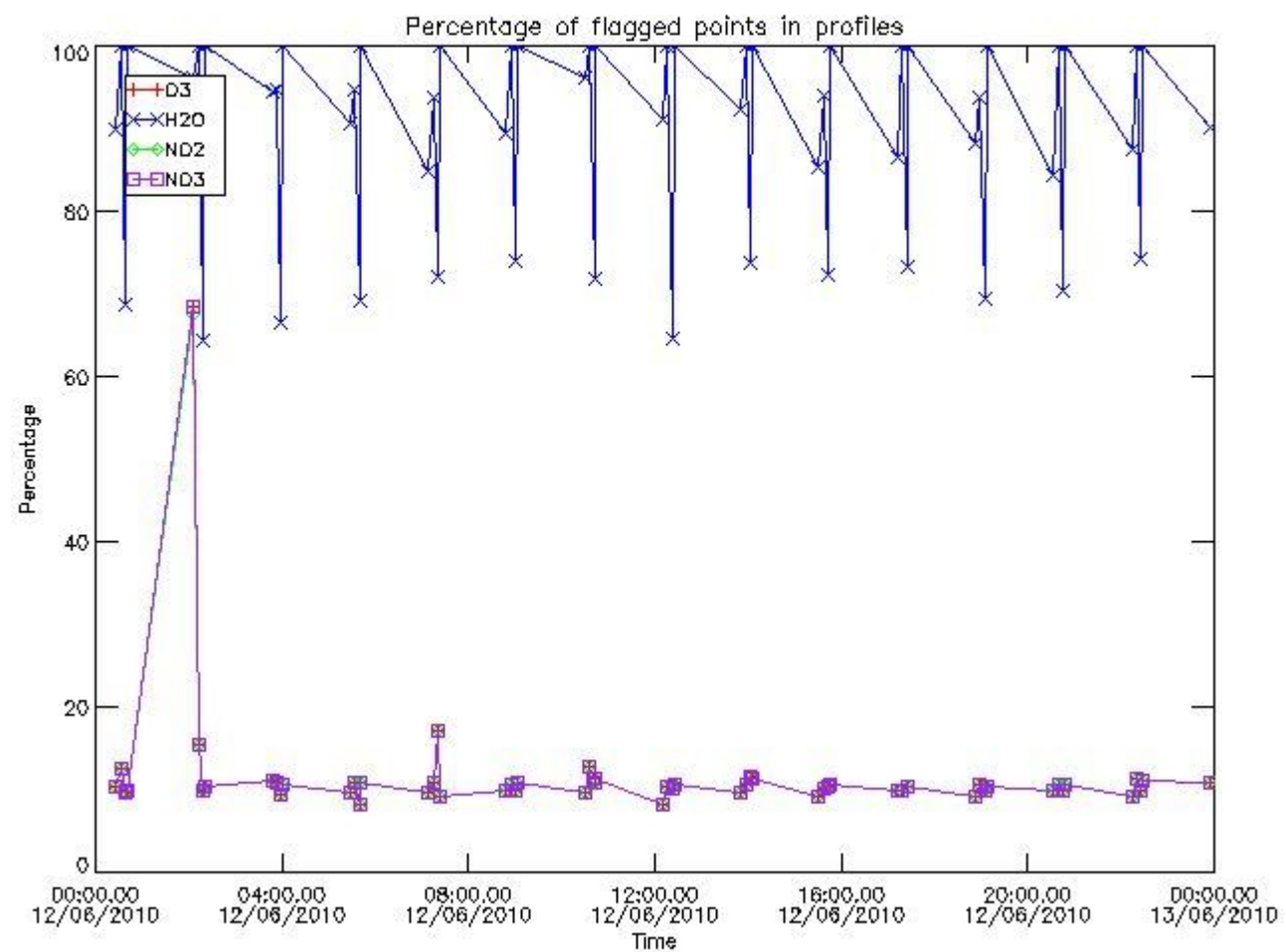


279	GOM_NL__2PRFIN20100612_232102_000000482090_00173_43313_4406.N1	12-JUN-2010 23:21:02	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43313	No
280	GOM_NL__2PRFIN20100612_232711_000000442090_00173_43313_4407.N1	12-JUN-2010 23:27:11	Bright	44.000	74	11Bet Cas	2.2680	6600.0	88	43313	No
281	GOM_NL__2PRFIN20100612_233327_000000402090_00173_43313_4408.N1	12-JUN-2010 23:33:27	Bright	39.500	73	57Gam1And	2.2600	13100.	79	43313	No
282	GOM_NL__2PRFIN20100612_233548_000000582090_00173_43313_4409.N1	12-JUN-2010 23:35:48	Twilight	57.500	53	43Bet And	2.0480	3300.0	115	43313	No
283	GOM_NL__2PRFIN20100612_233910_000000492090_00173_43313_4410.N1	12-JUN-2010 23:39:10	Twilight	48.500	50	13Alp Ari	2.0070	4250.0	97	43313	No
284	GOM_NL__2PRFIN20100612_235419_000000562090_00173_43313_4411.N1	12-JUN-2010 23:54:19	Dark	56.000	52	16Bet Cet	2.0370	4500.0	112	43313	No

### 3. Quality information per product

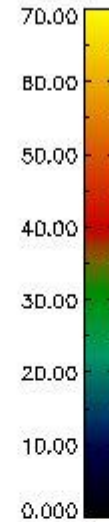
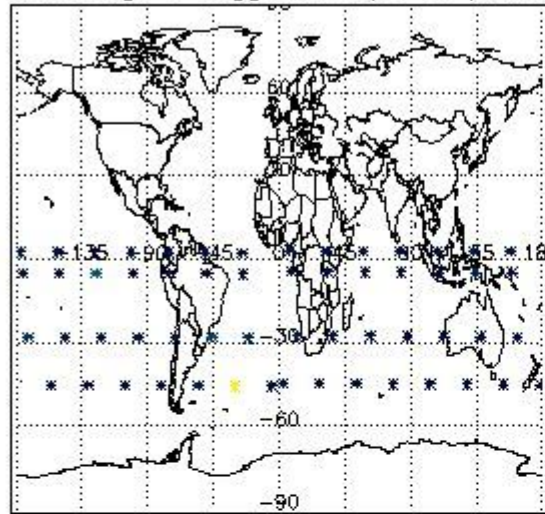
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

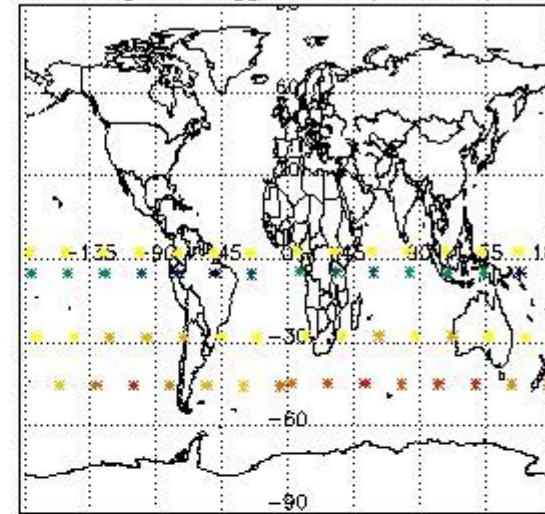


#### 3.2 Plot quality information per product (world map)

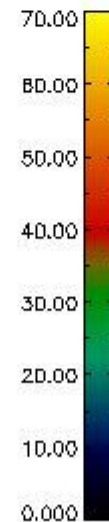
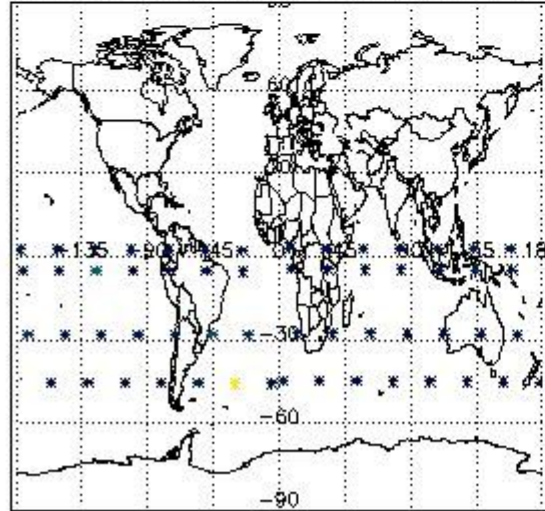
Percentage of flagged data per O3 profile



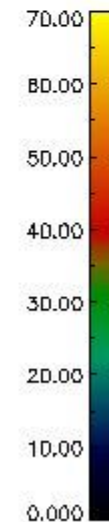
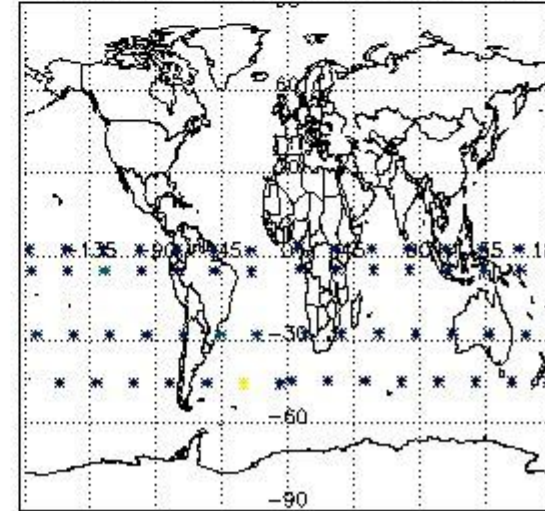
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

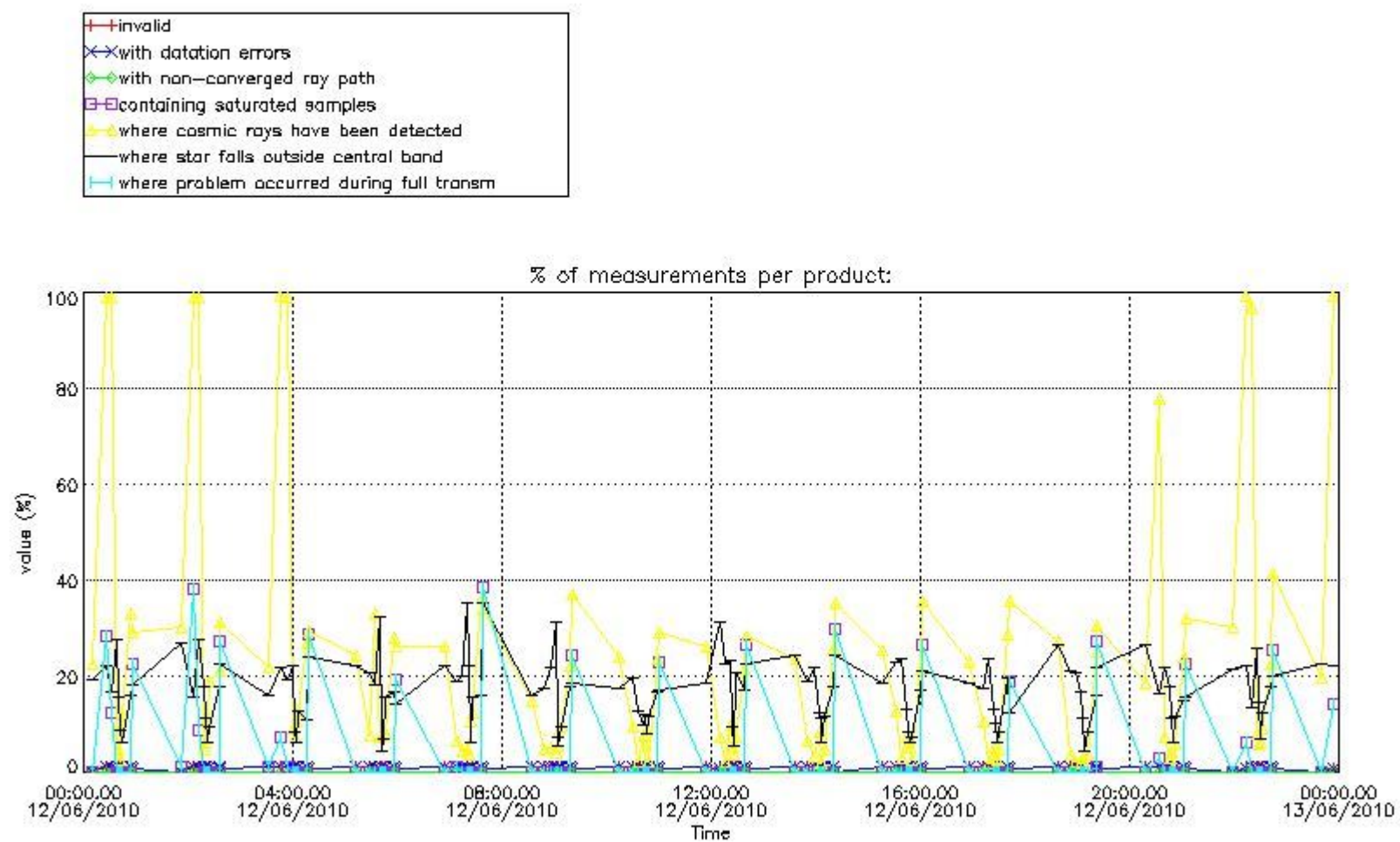


#### 4. Level 1 quality information per product

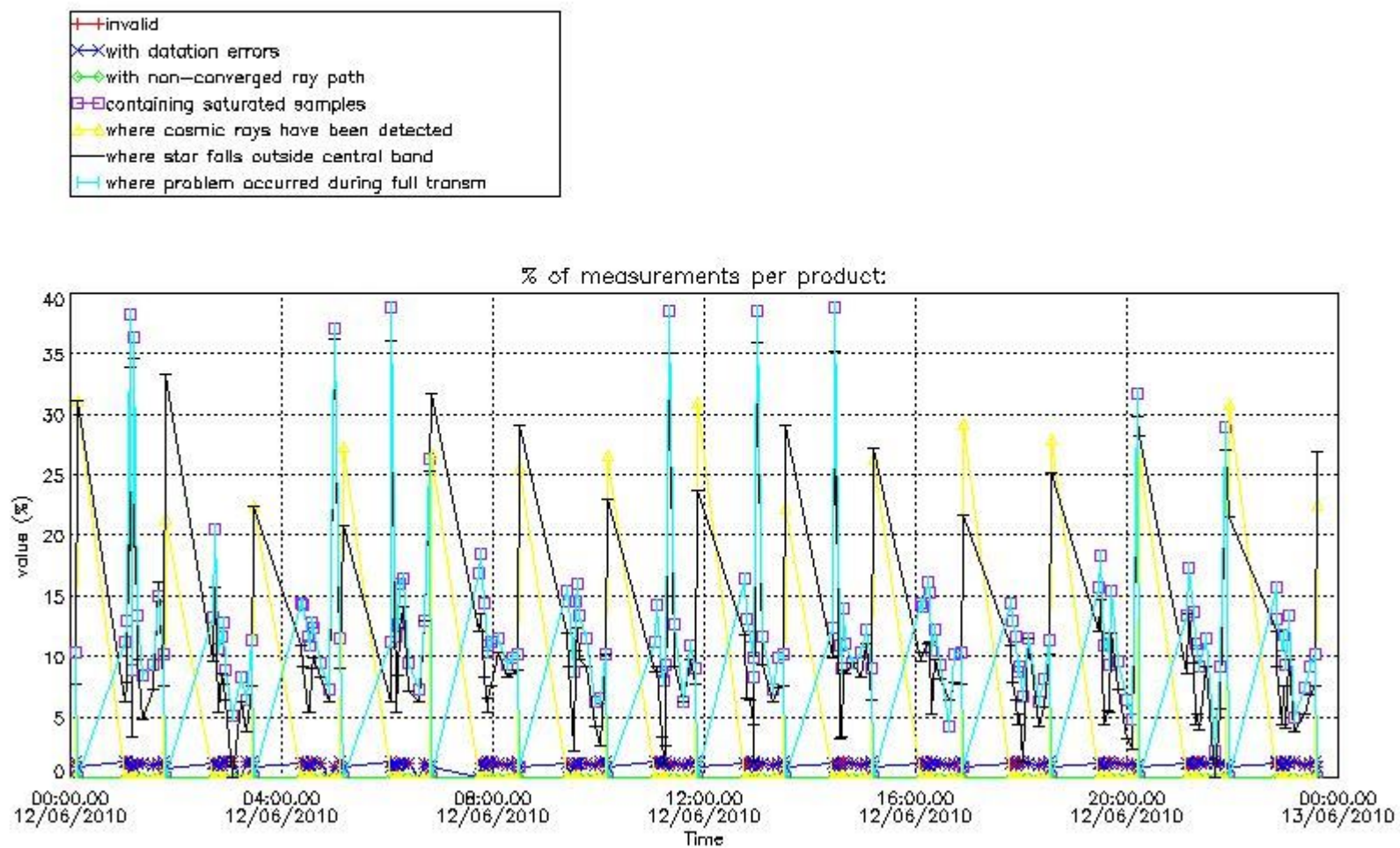
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



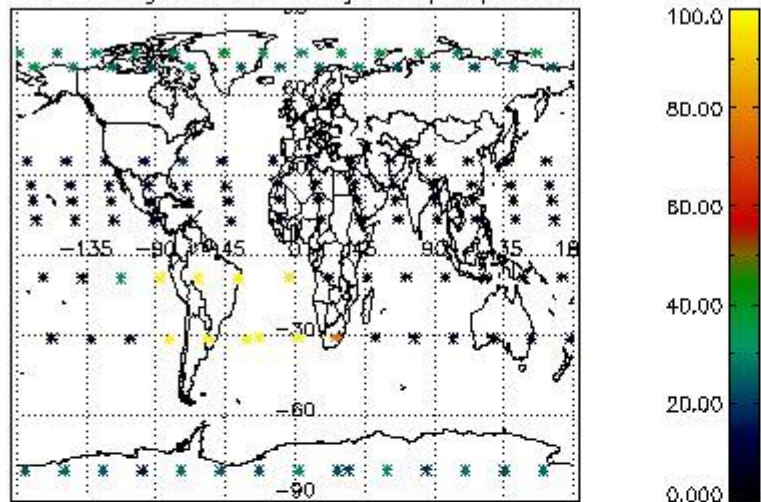
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



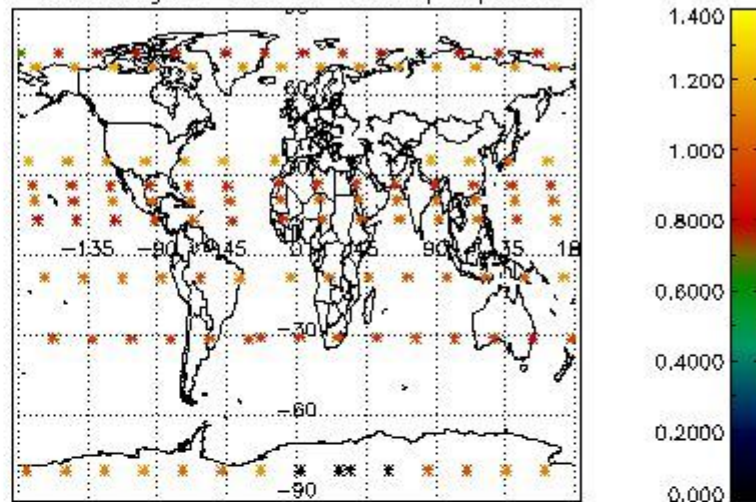
4.2 Plot quality information per product coming from level 1b processing (world map)

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

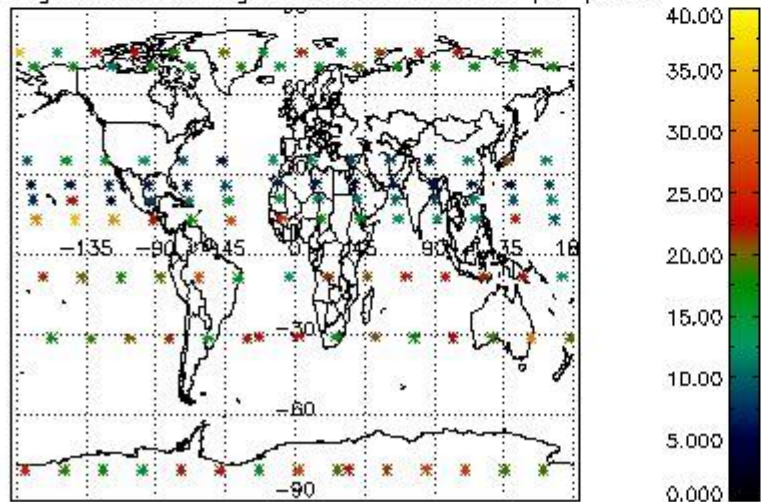
Percentage of cosmic ray hits per profile



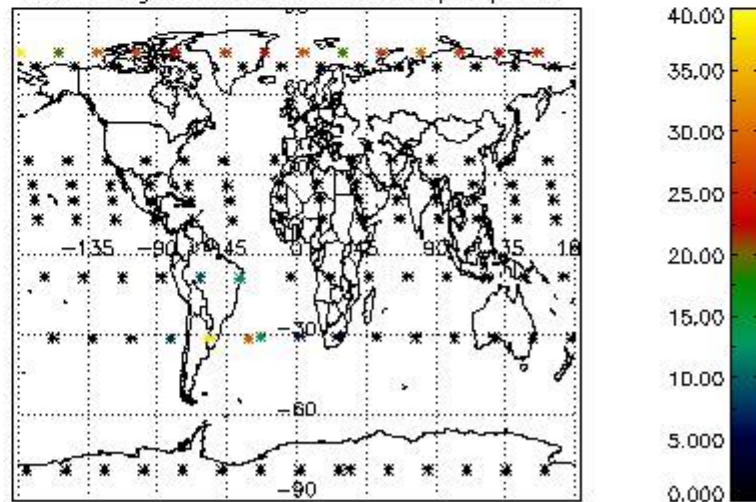
Percentage of datation errors per profile



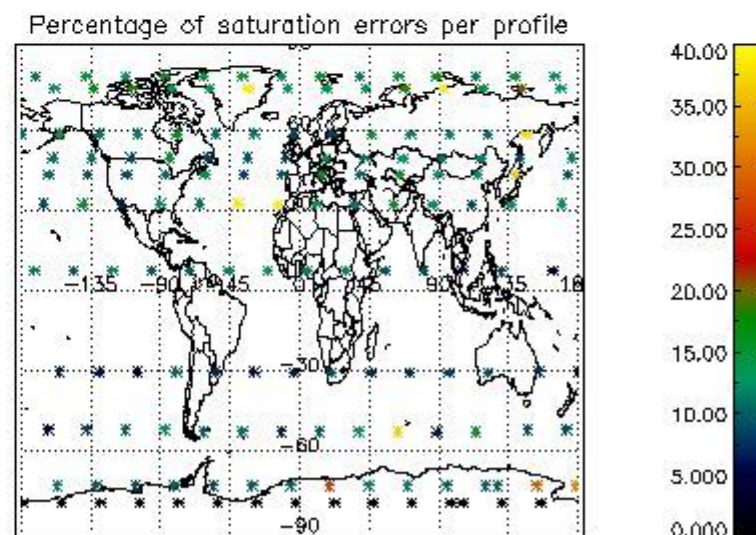
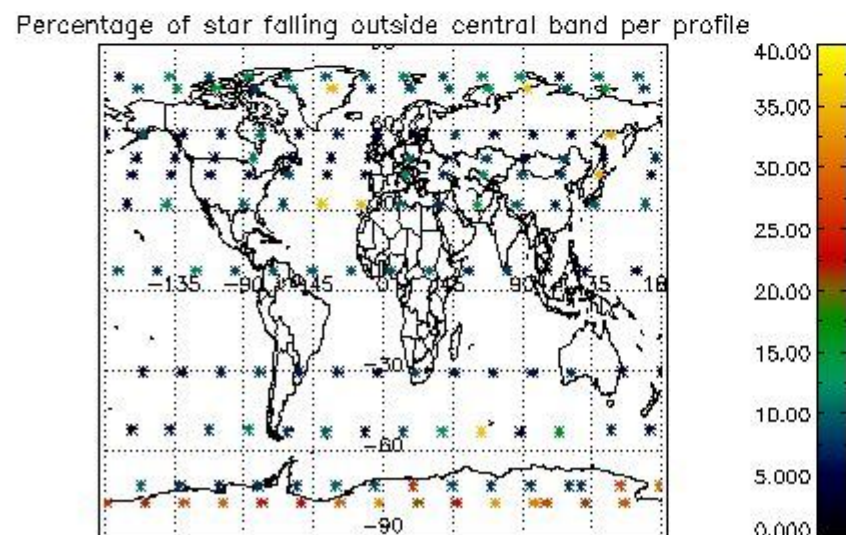
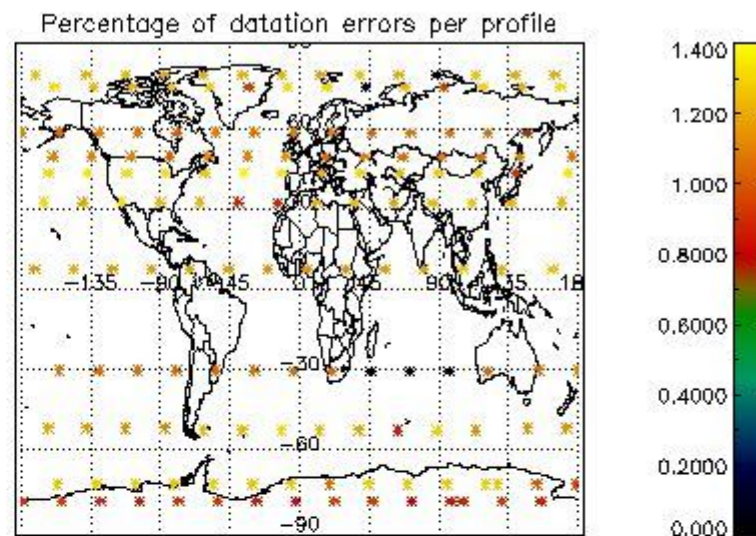
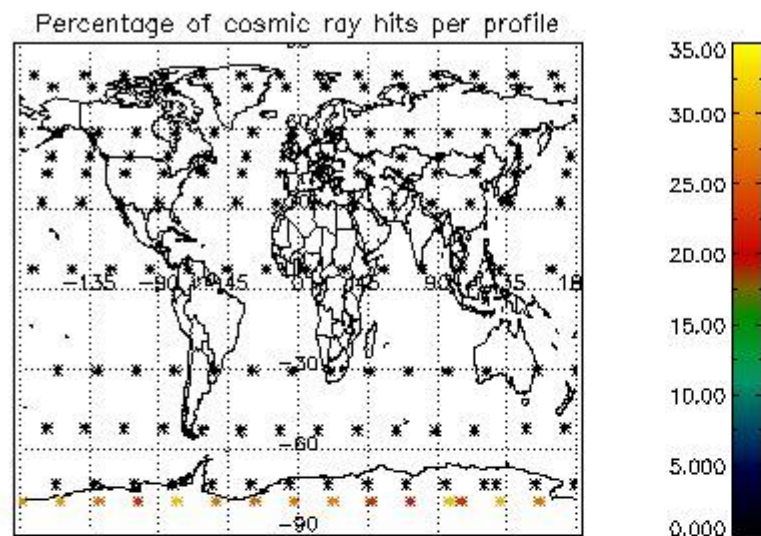
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

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

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

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

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

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

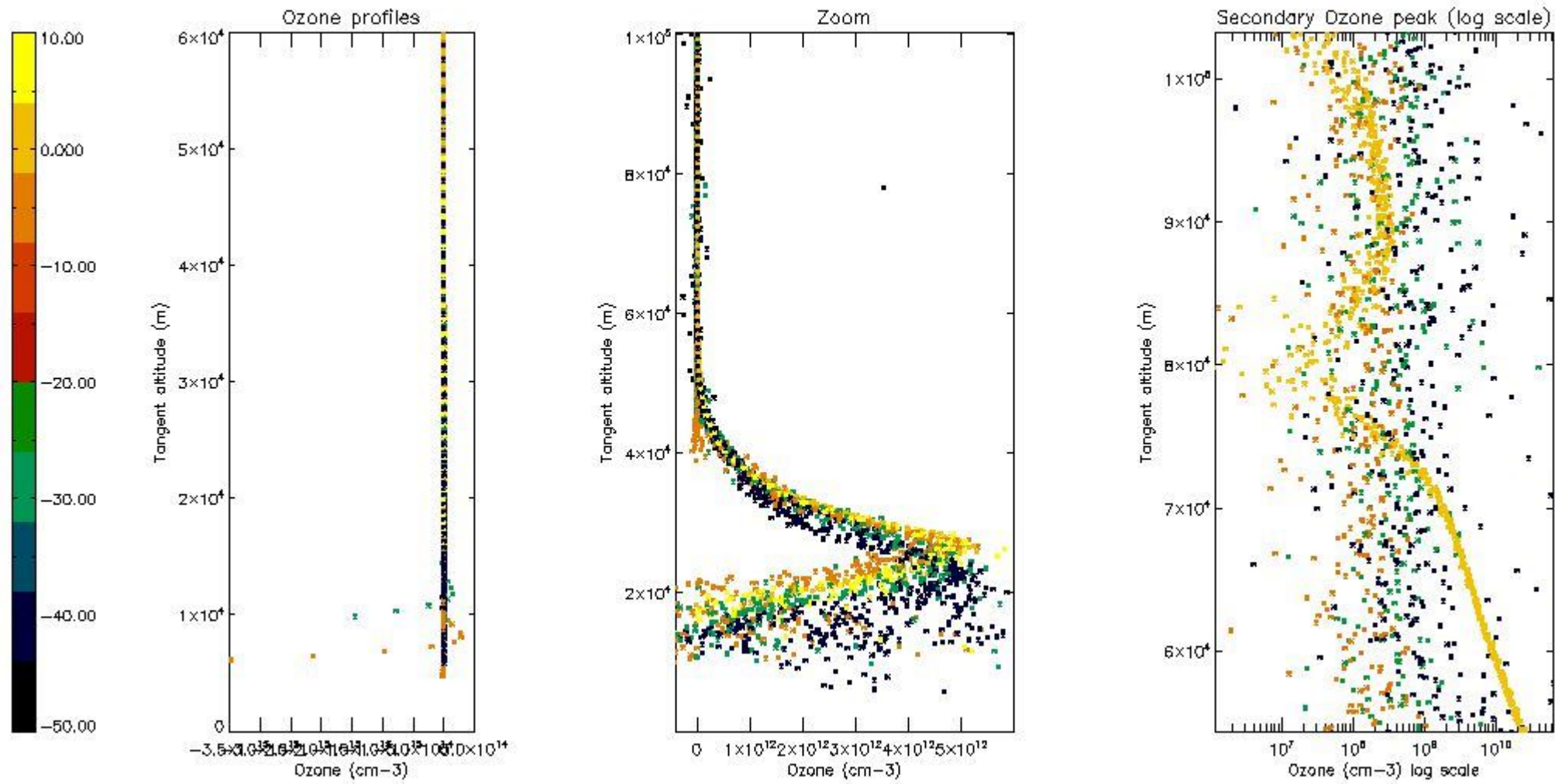
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	22
STD < 20	8

STD < 10	4
STD < 5	3

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

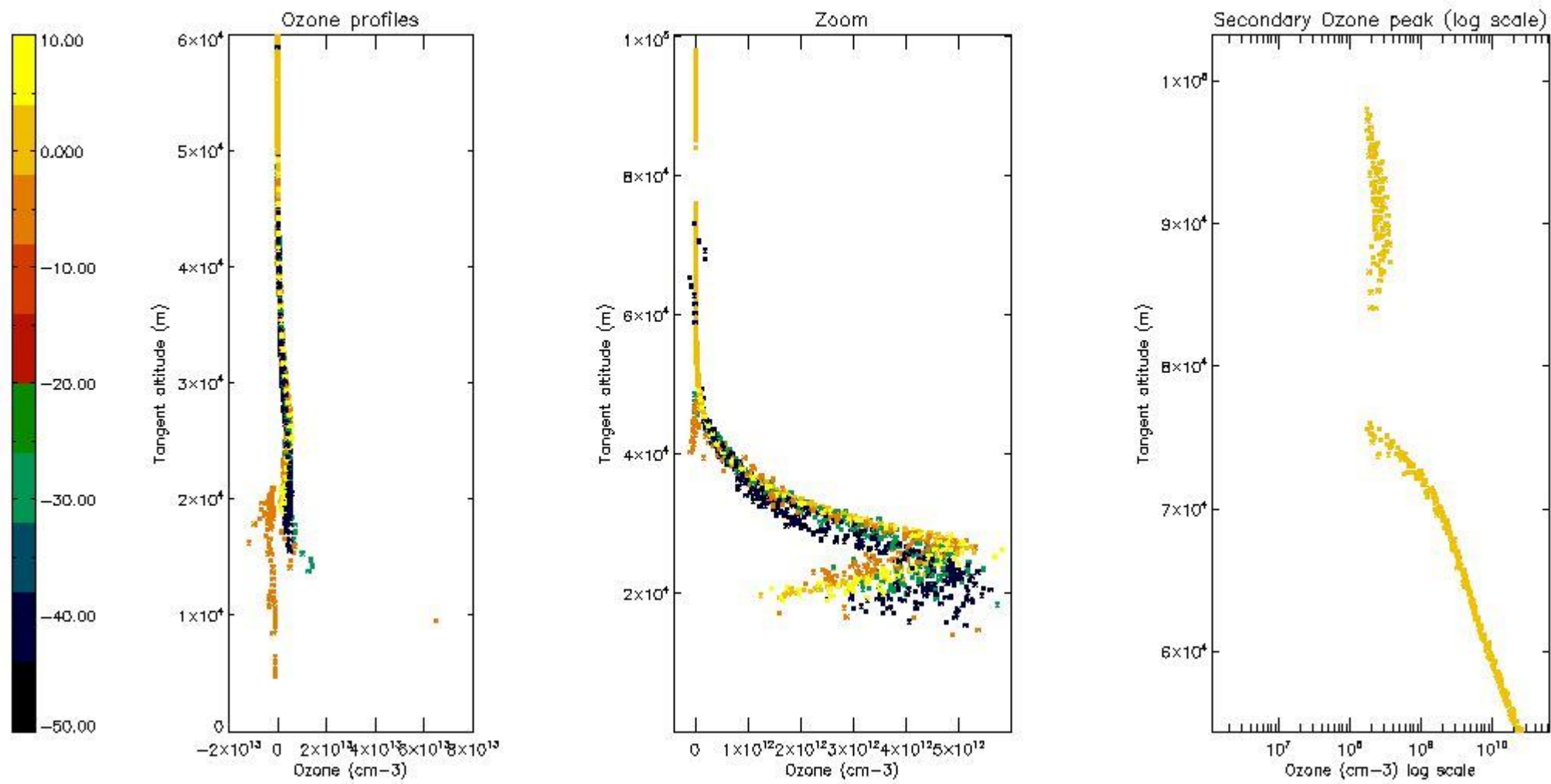
The colorbar represents the latitude.



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

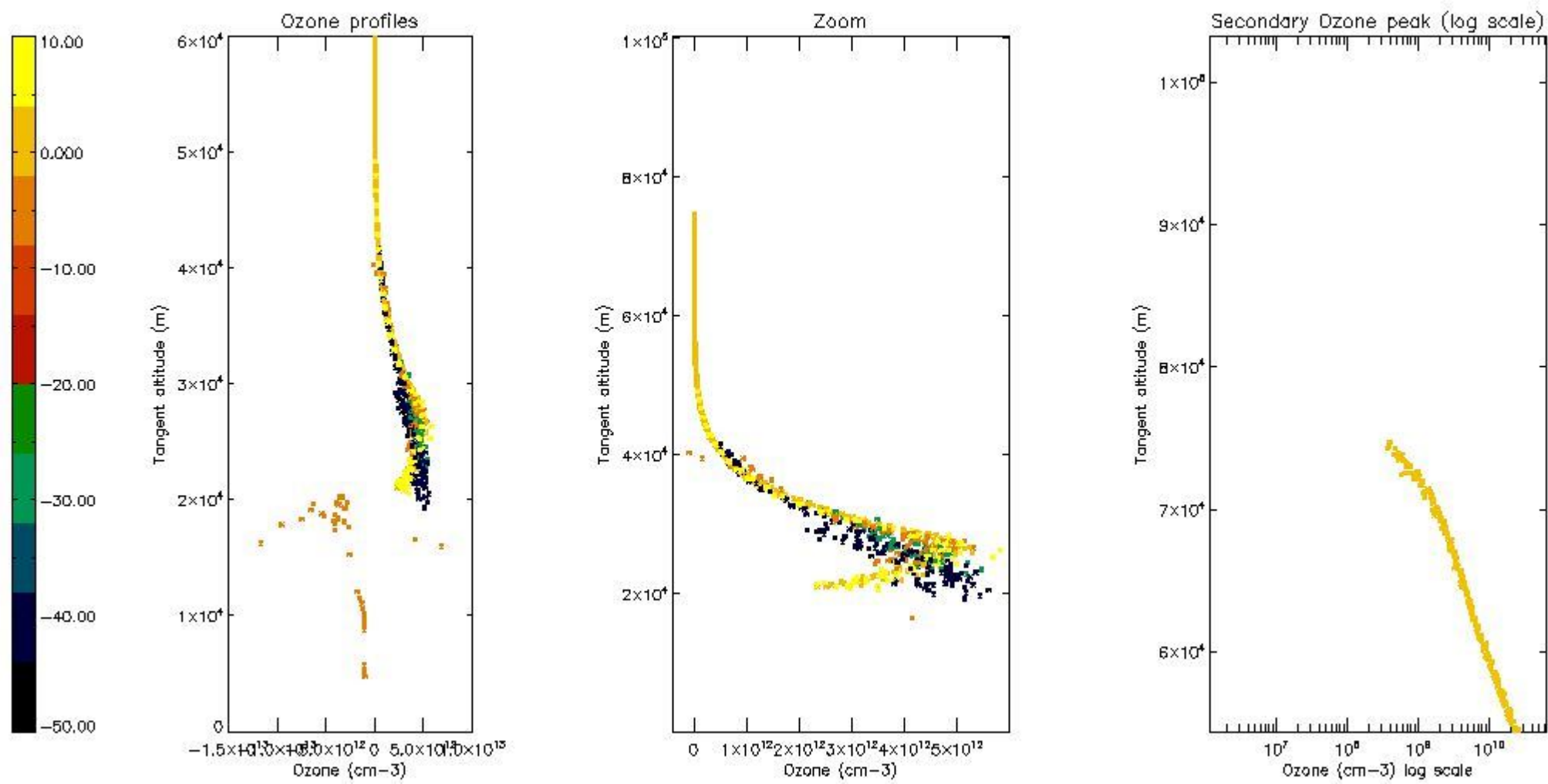
The colorbar represents the latitude.





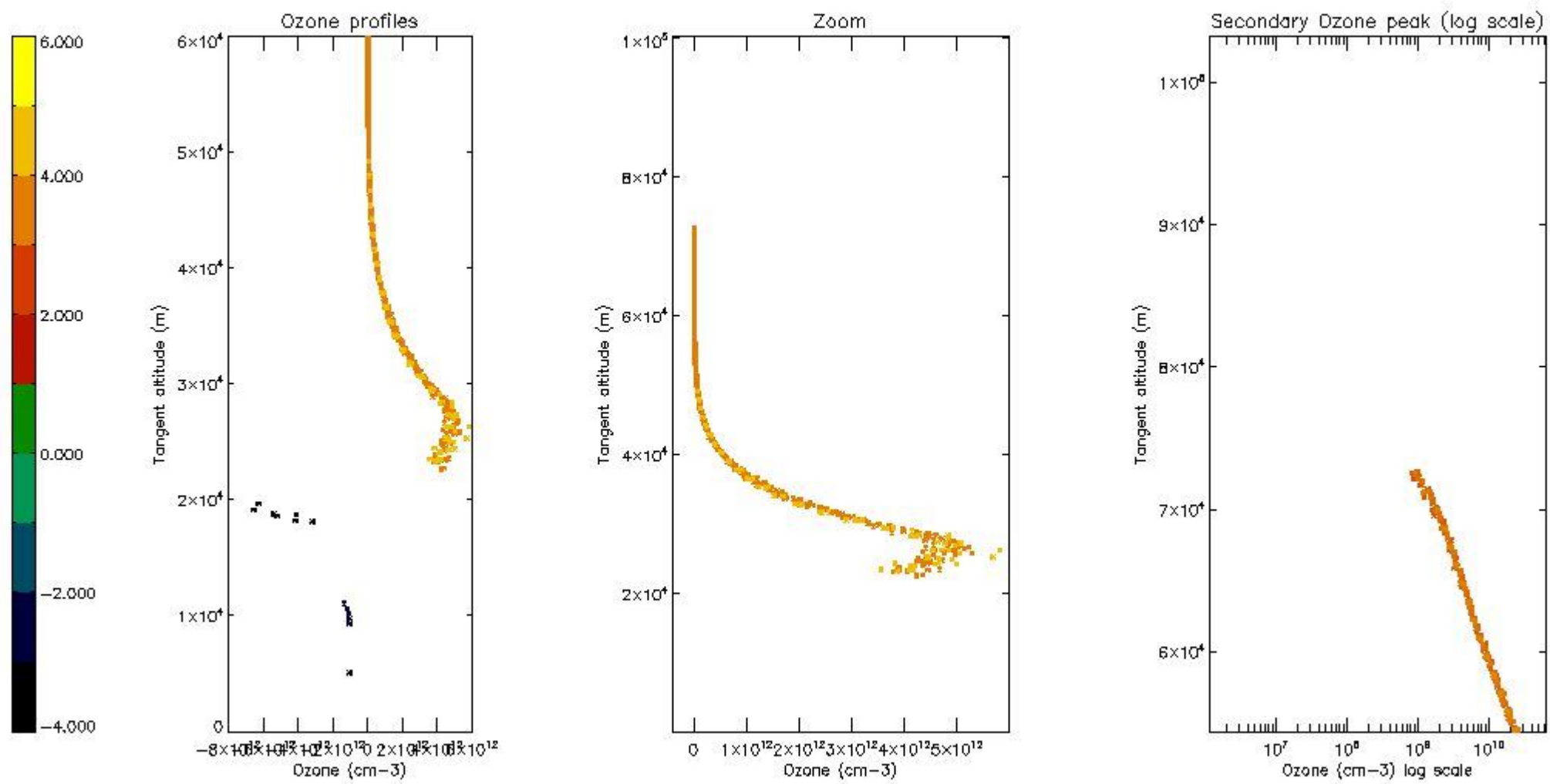
5.4 Plot ozone profiles where  $STD < 10\%$  (dark without errors)

The colorbar represents the latitude.



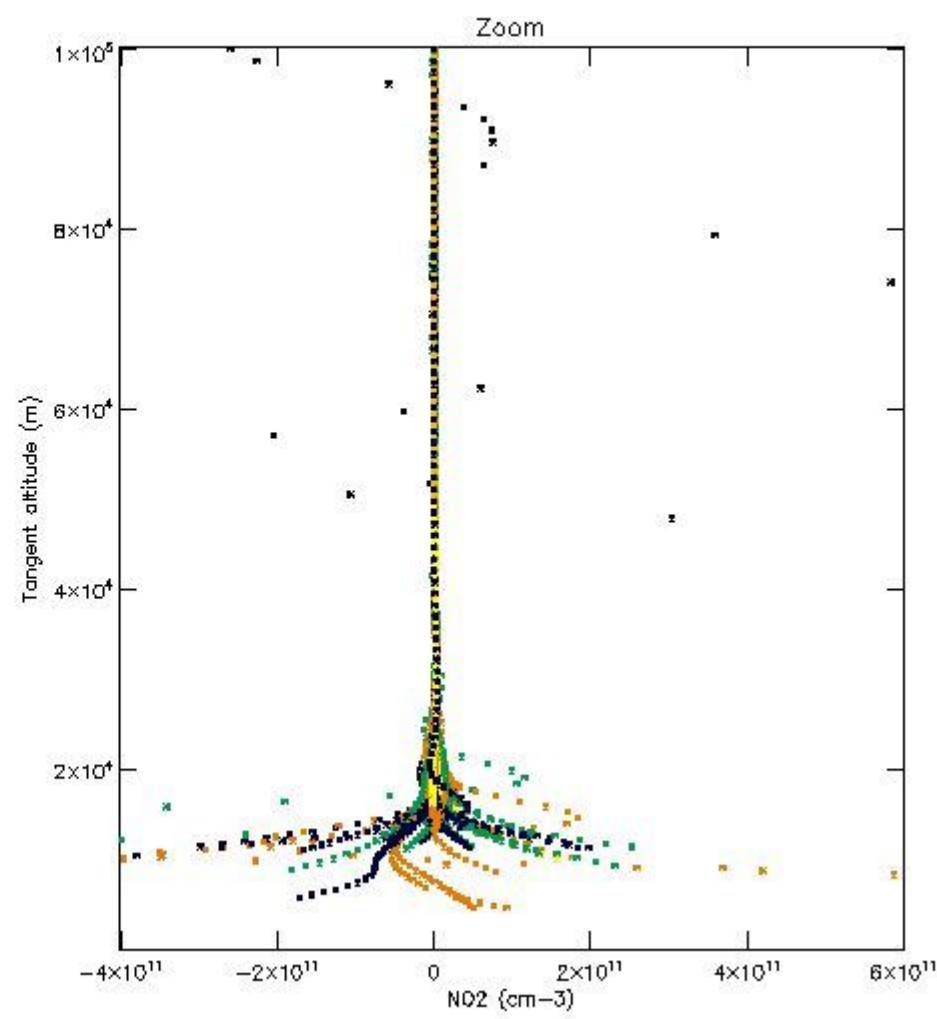
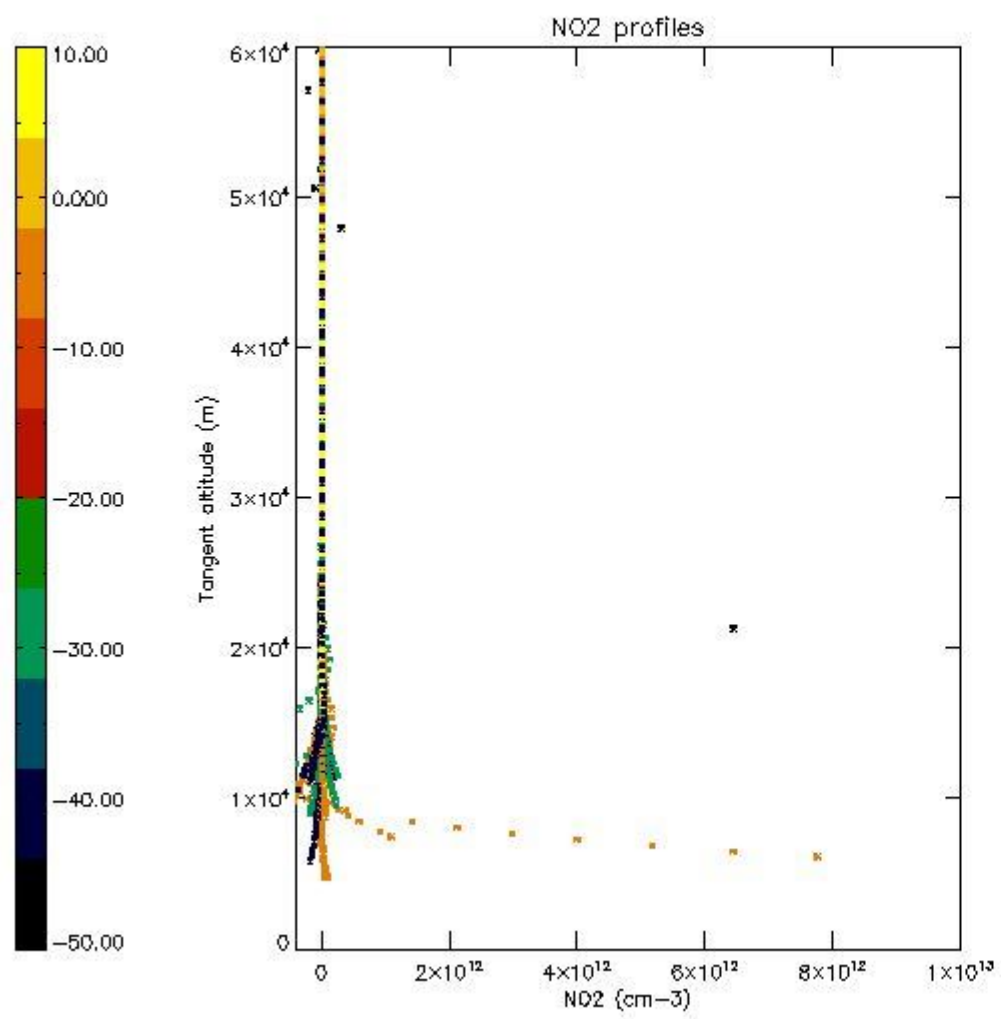
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



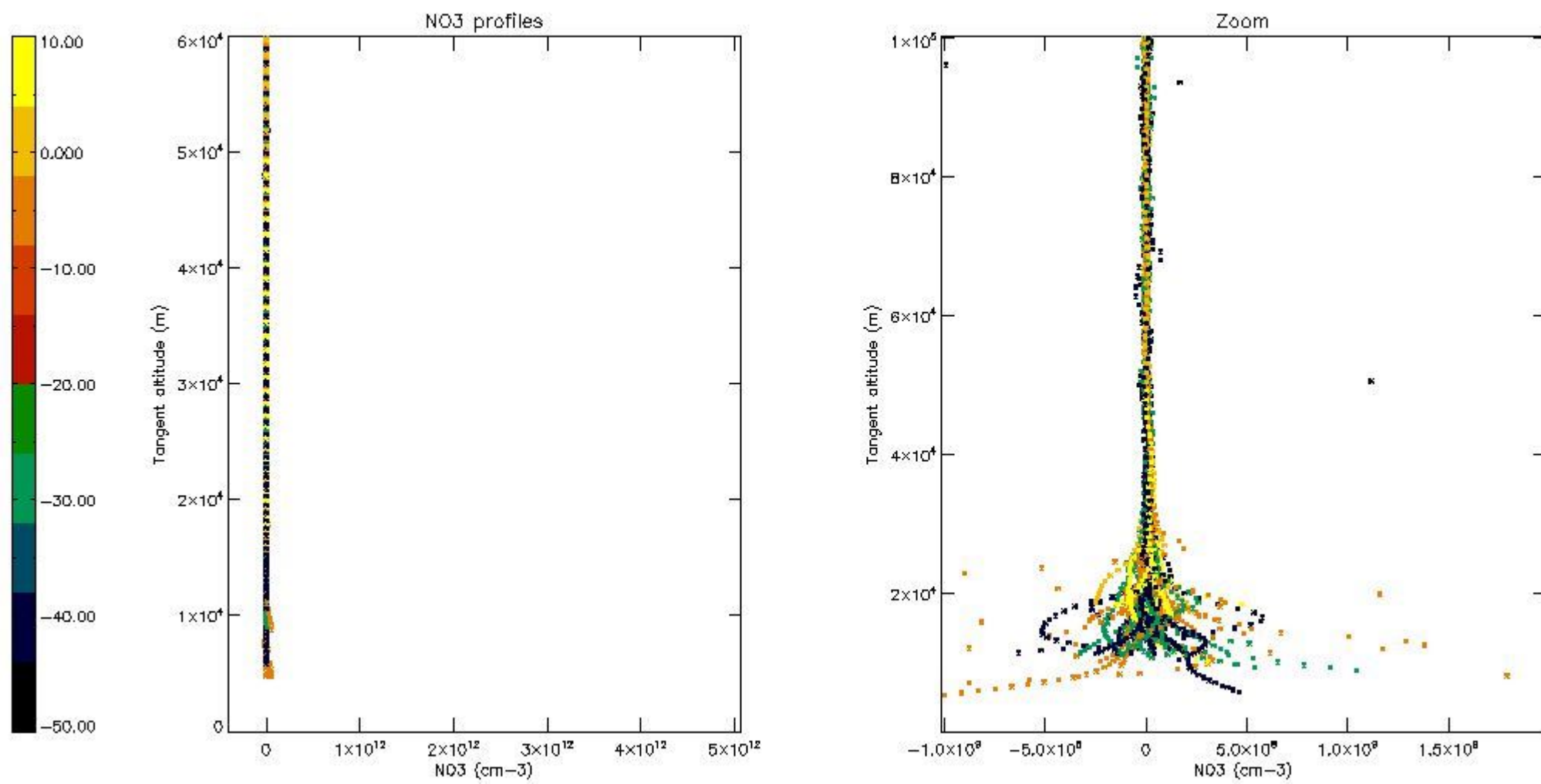
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



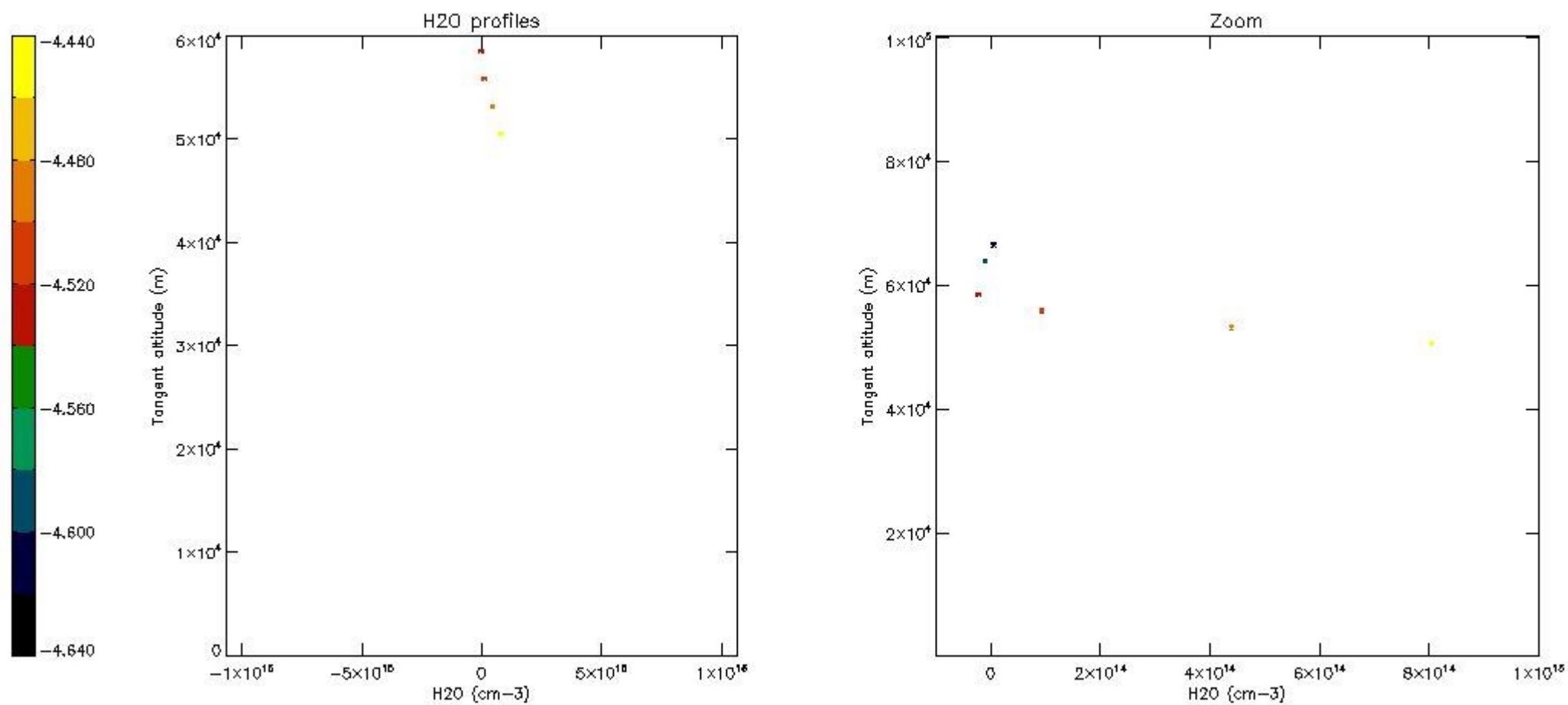
*5.7 Plot NO3 profiles for all STD (dark without errors)*

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)*

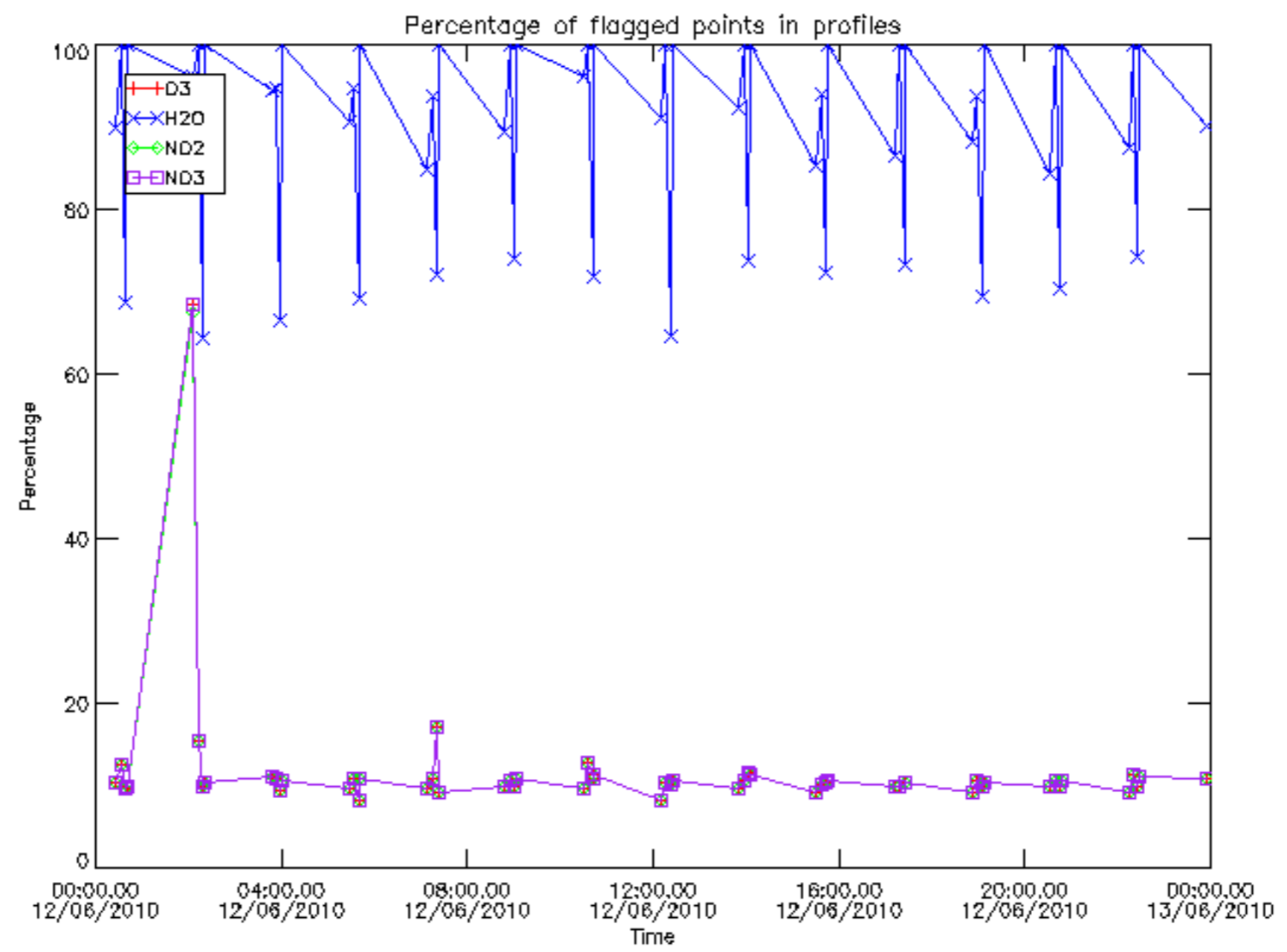
The colorbar represents the latitude.



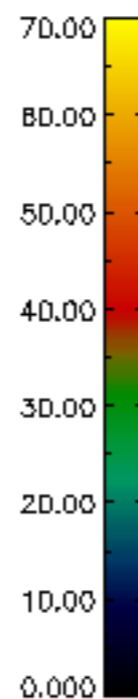
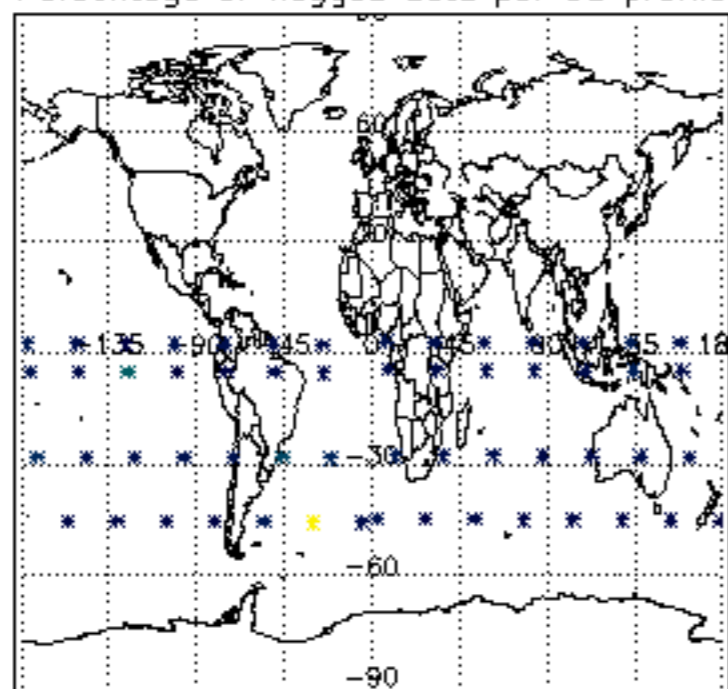
## 6. Auxiliary Data Files used for the production reported in section 2

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.

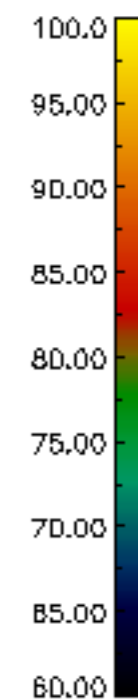
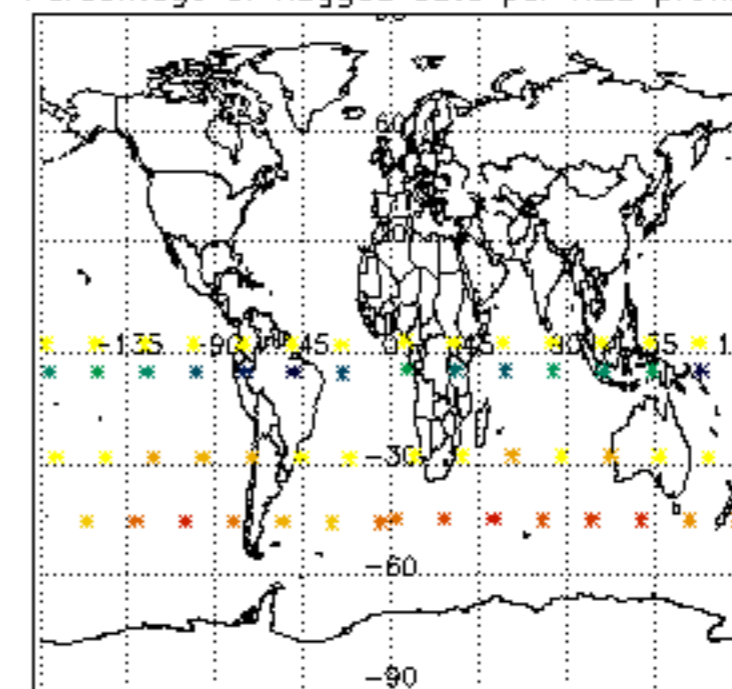
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	12-JUN-2010 00:05:03
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	12-JUN-2010 00:05:03
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	12-JUN-2010 00:05:03



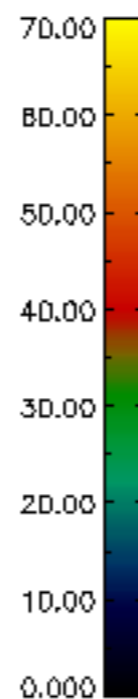
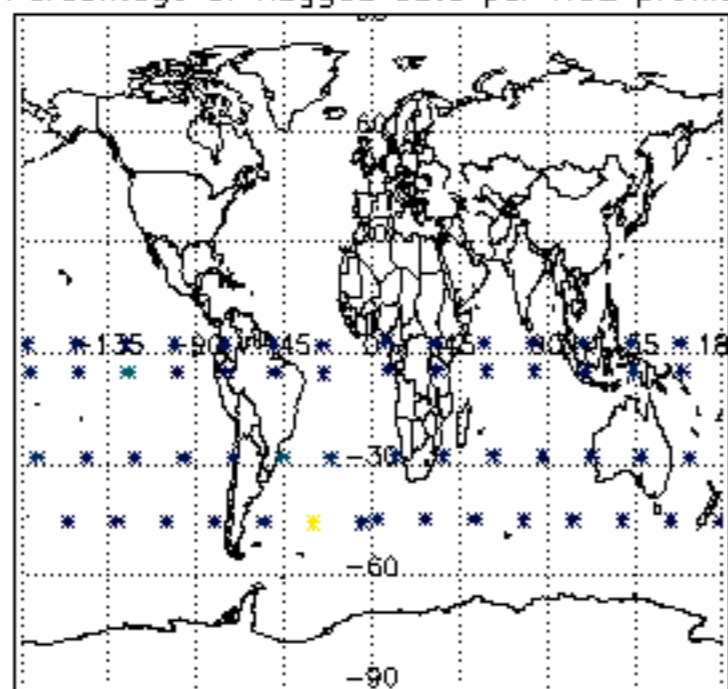
Percentage of flagged data per D3 profile



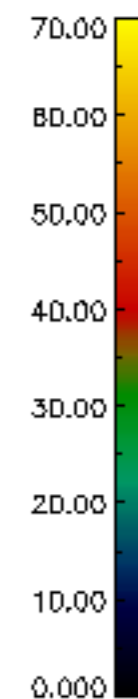
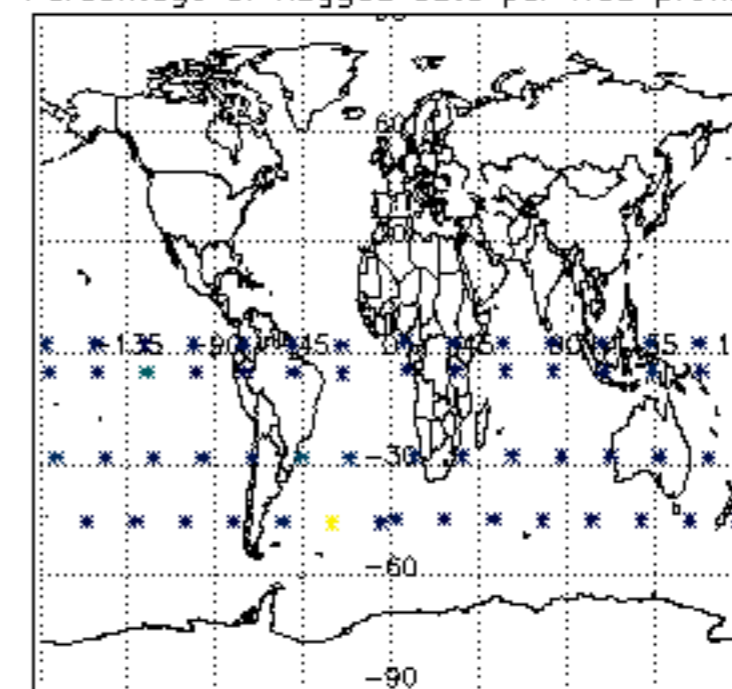
Percentage of flagged data per H2O profile



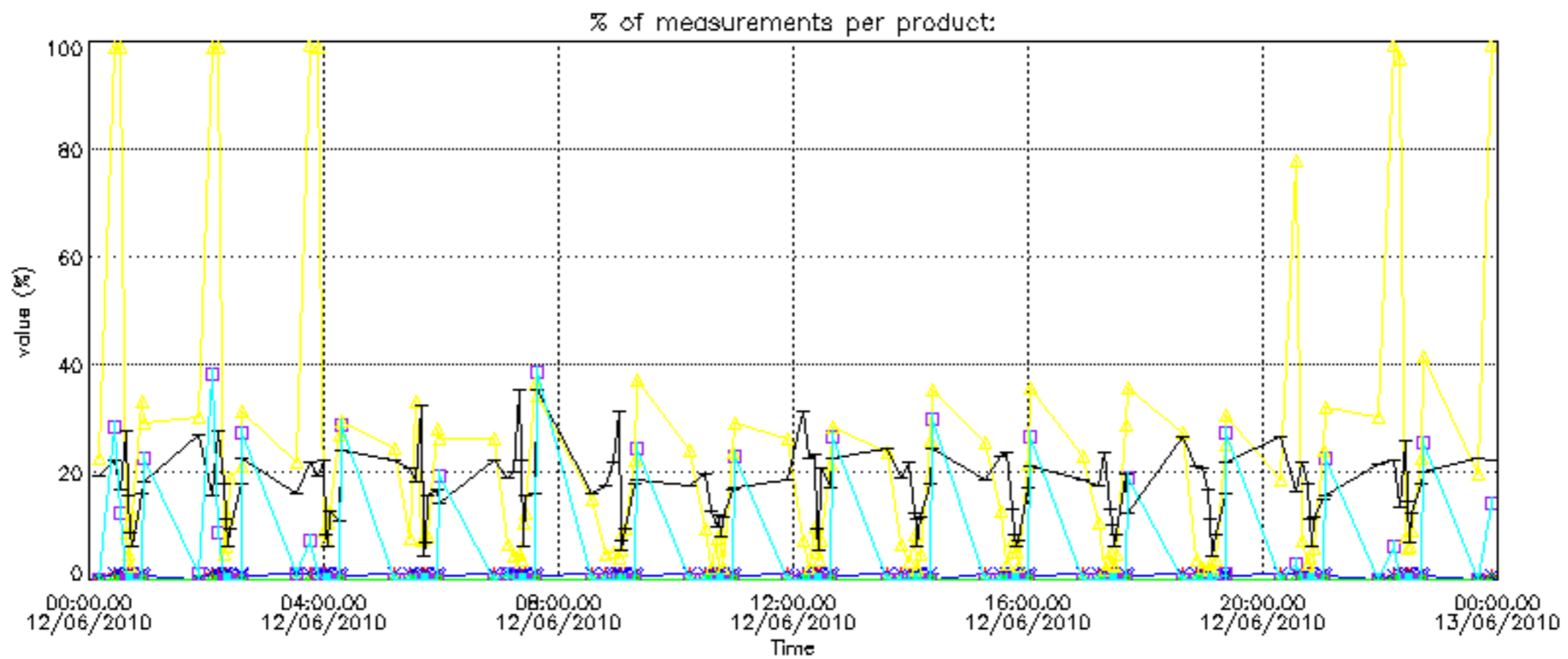
Percentage of flagged data per NO2 profile

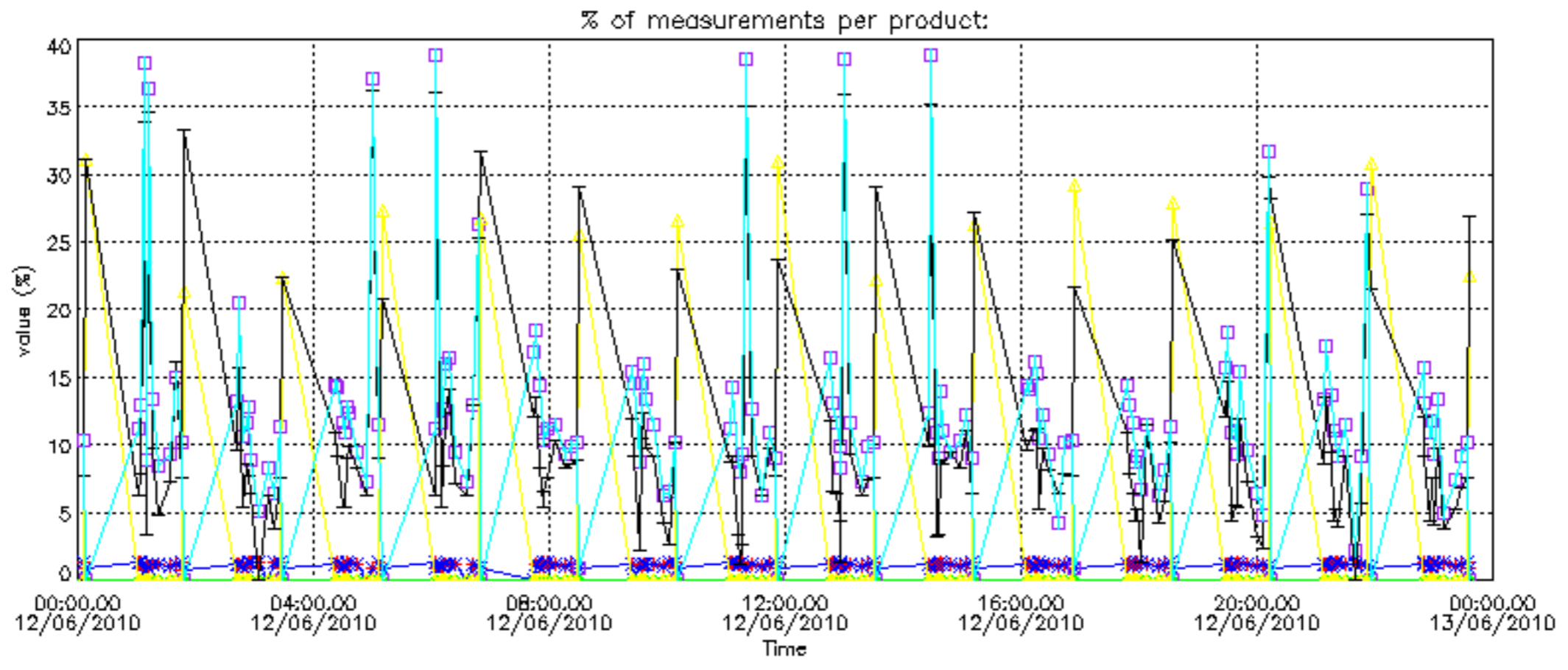


Percentage of flagged data per NO3 profile

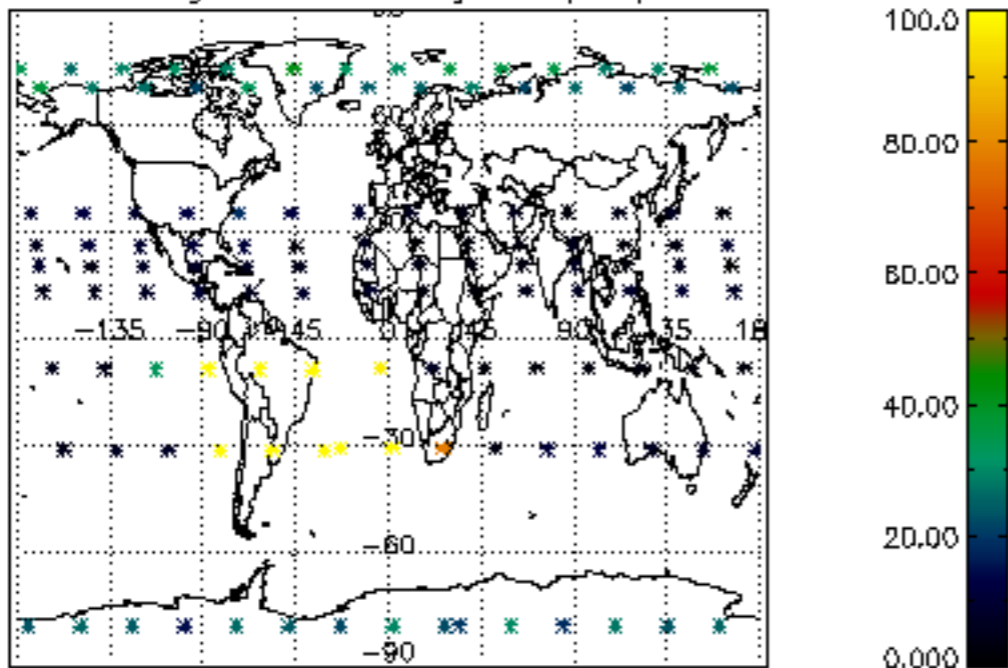




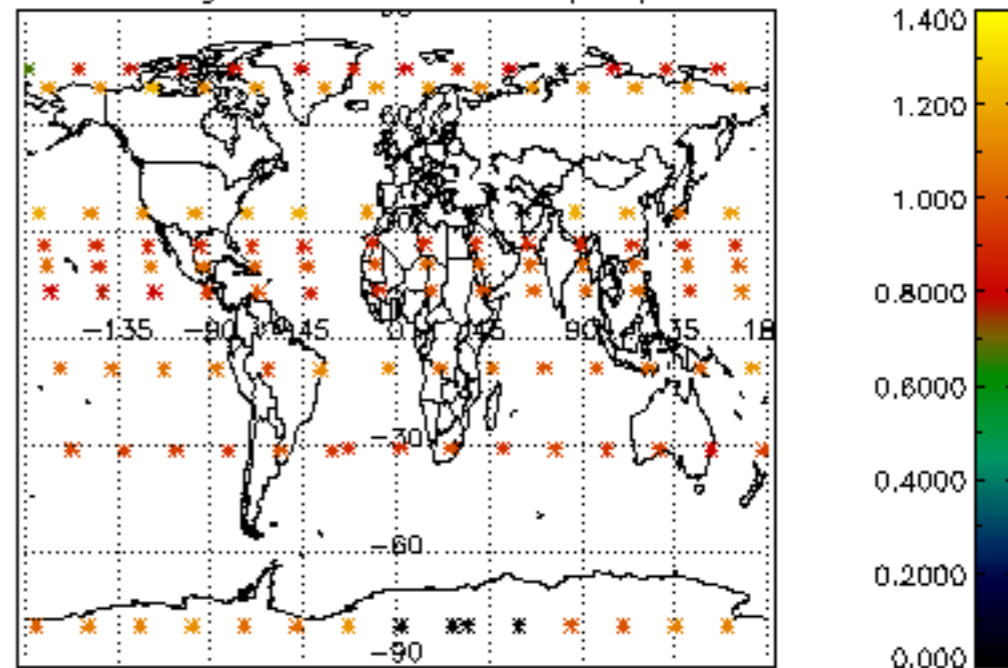




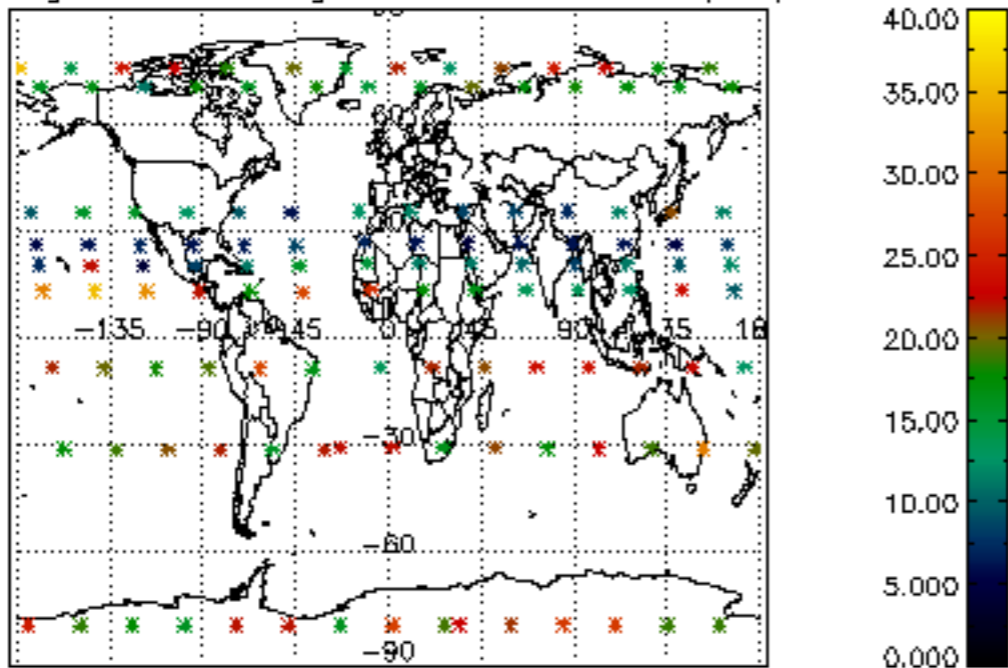
Percentage of cosmic ray hits per profile



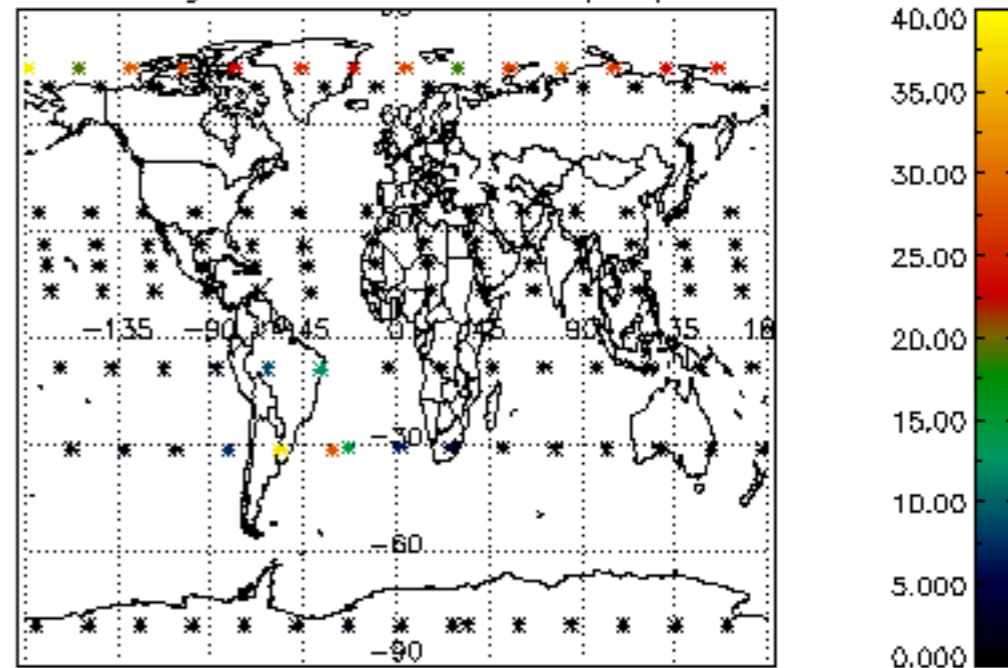
Percentage of datation errors per profile



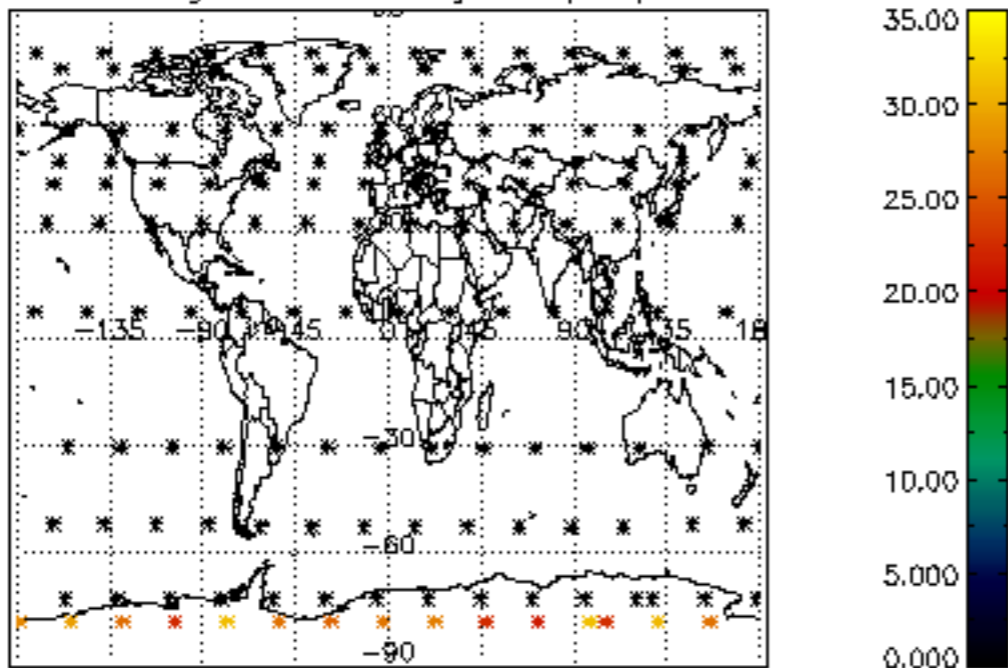
Percentage of star falling outside central band per profile



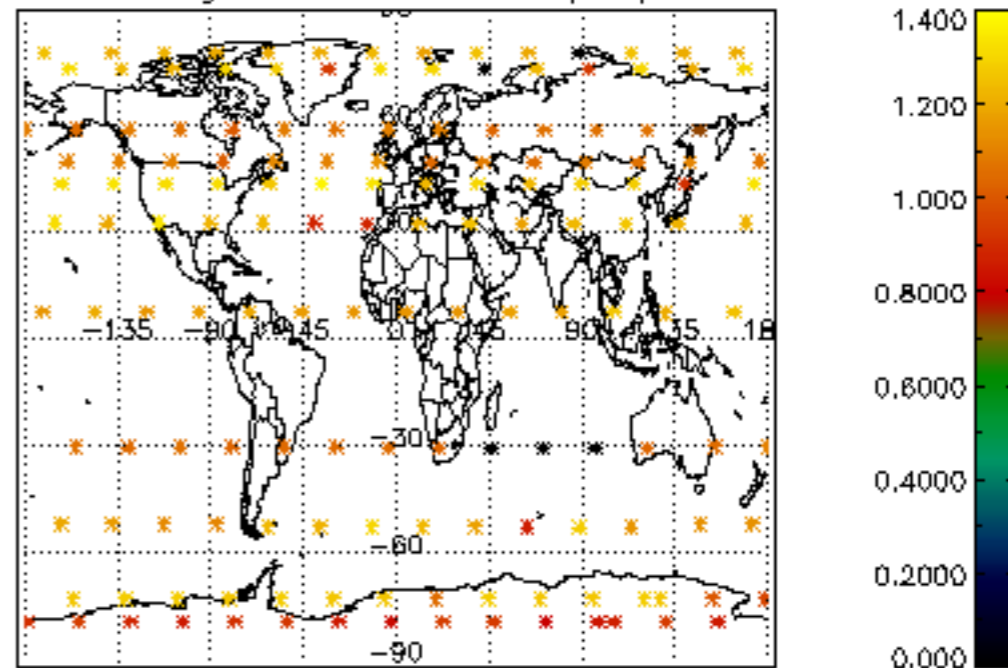
Percentage of saturation errors per profile



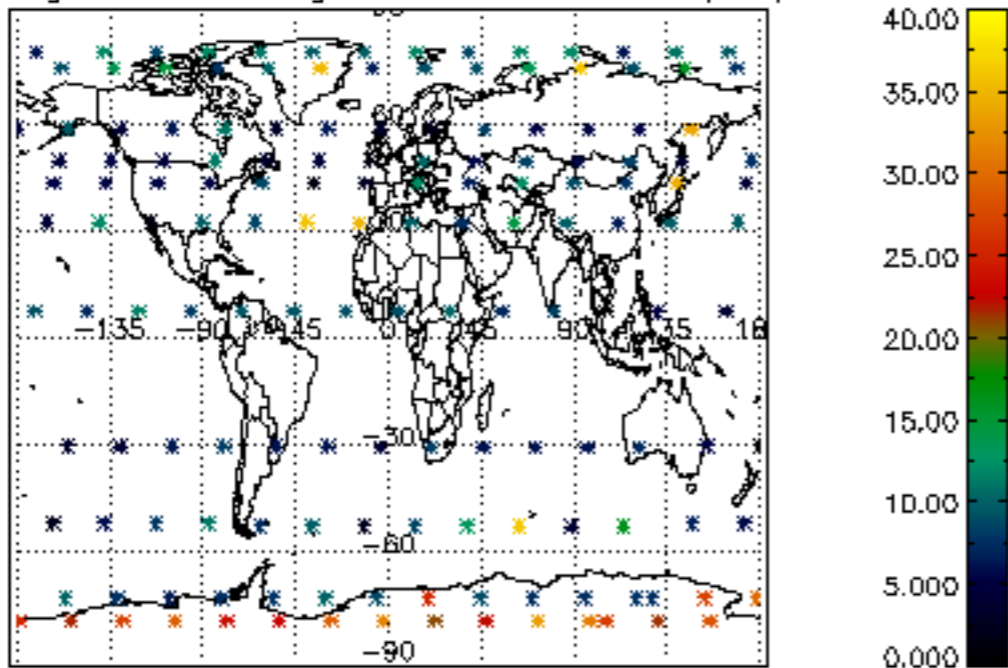
Percentage of cosmic ray hits per profile



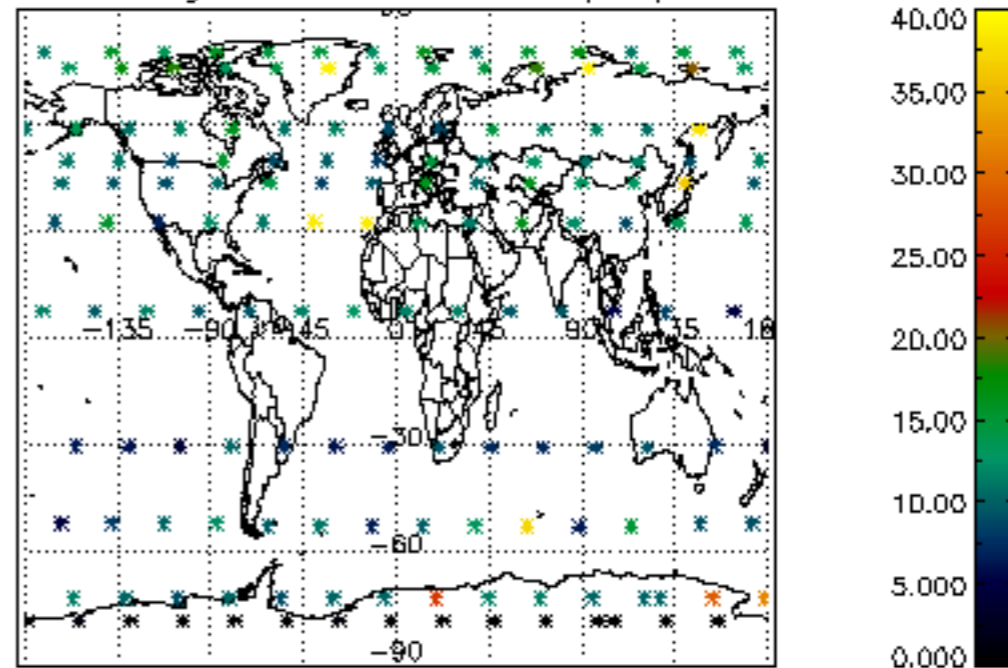
Percentage of datation errors per profile

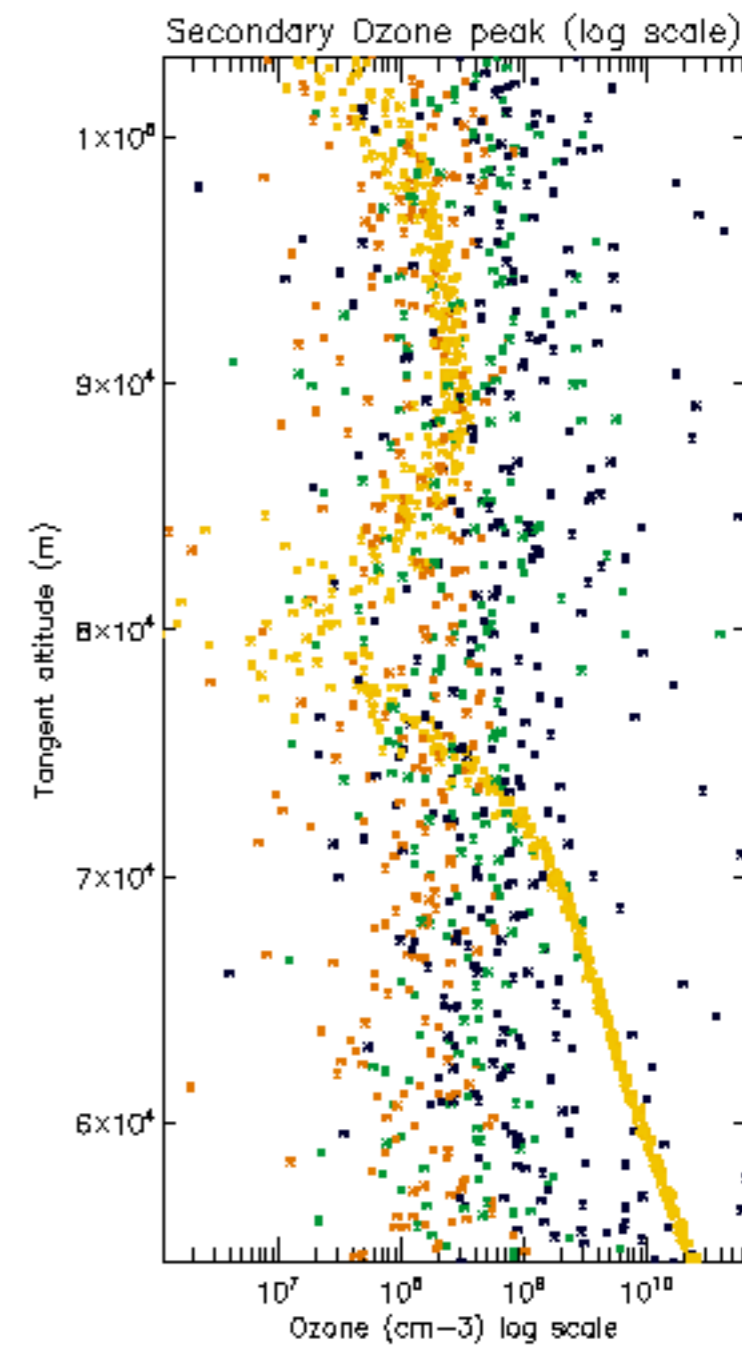
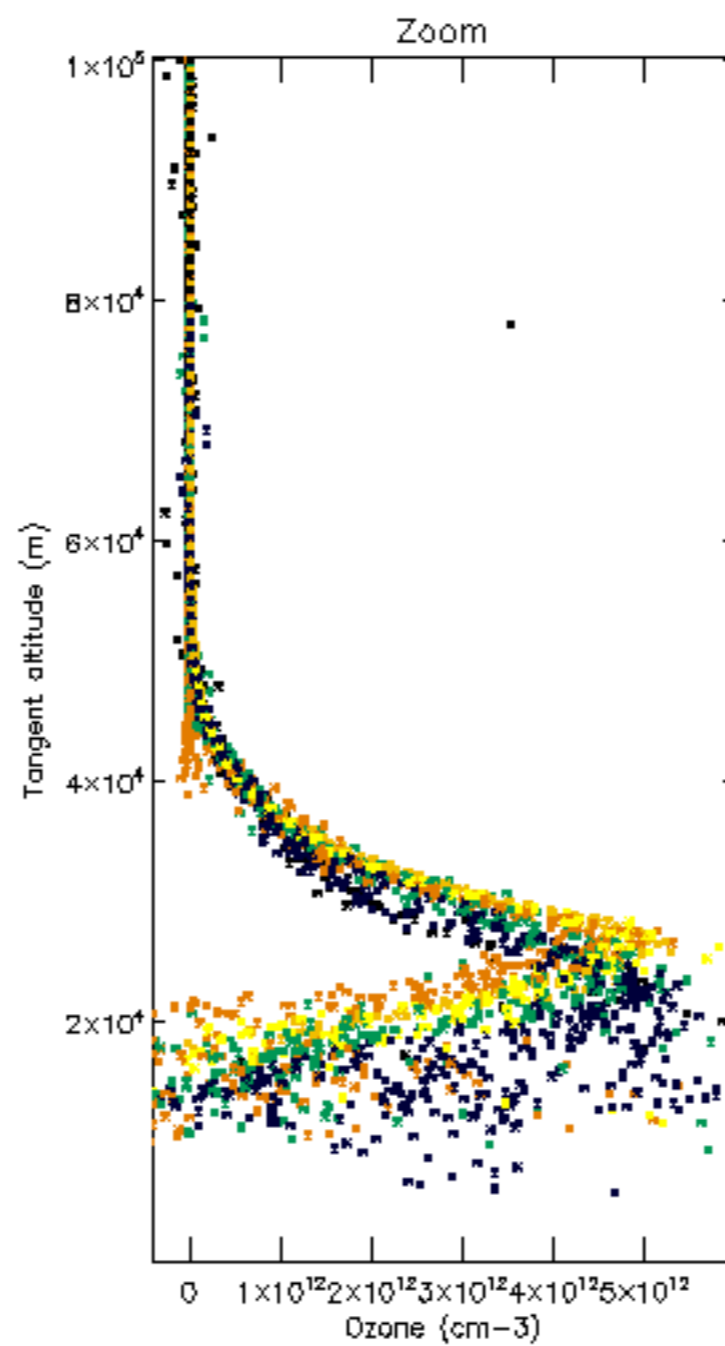
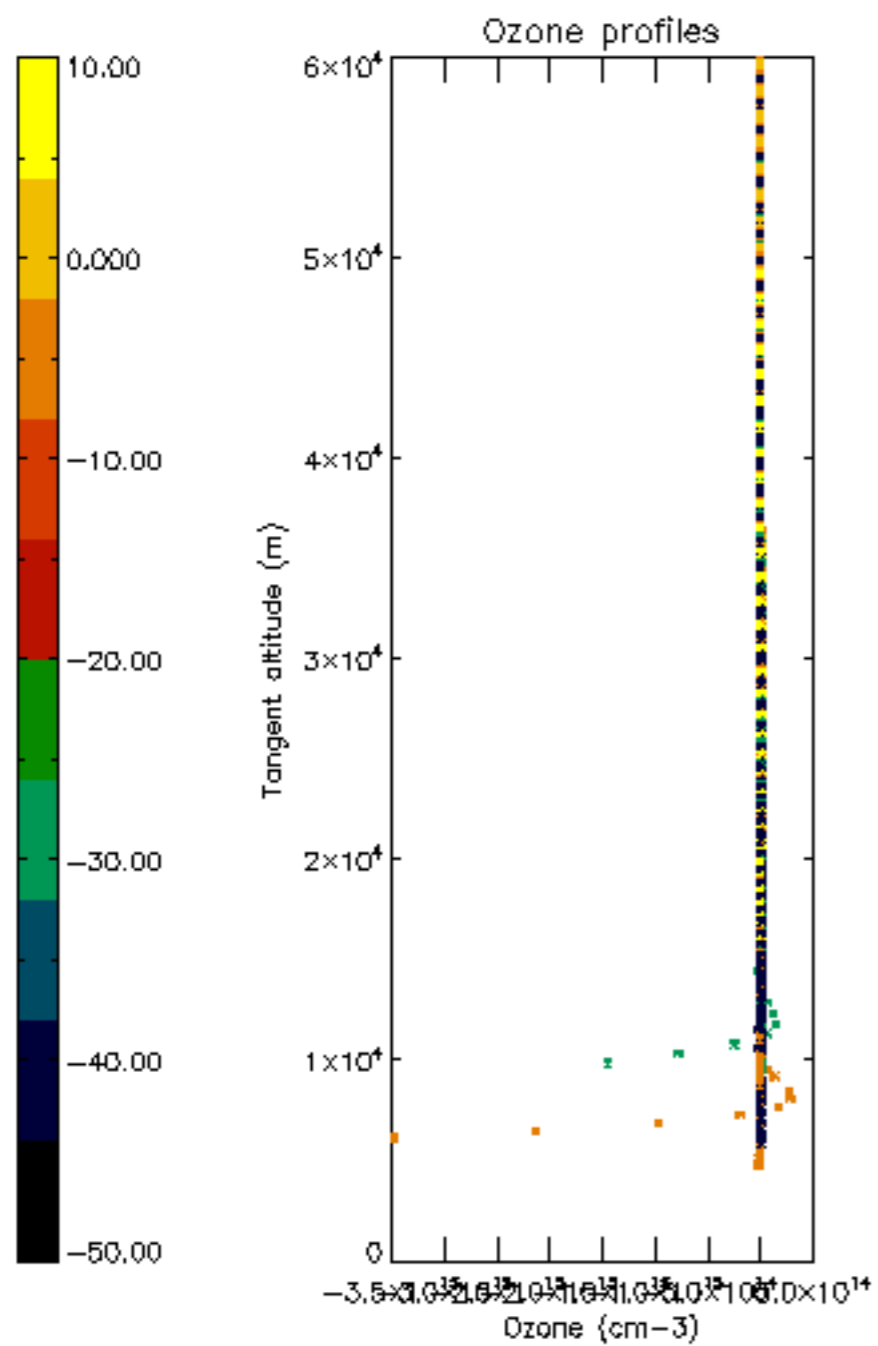


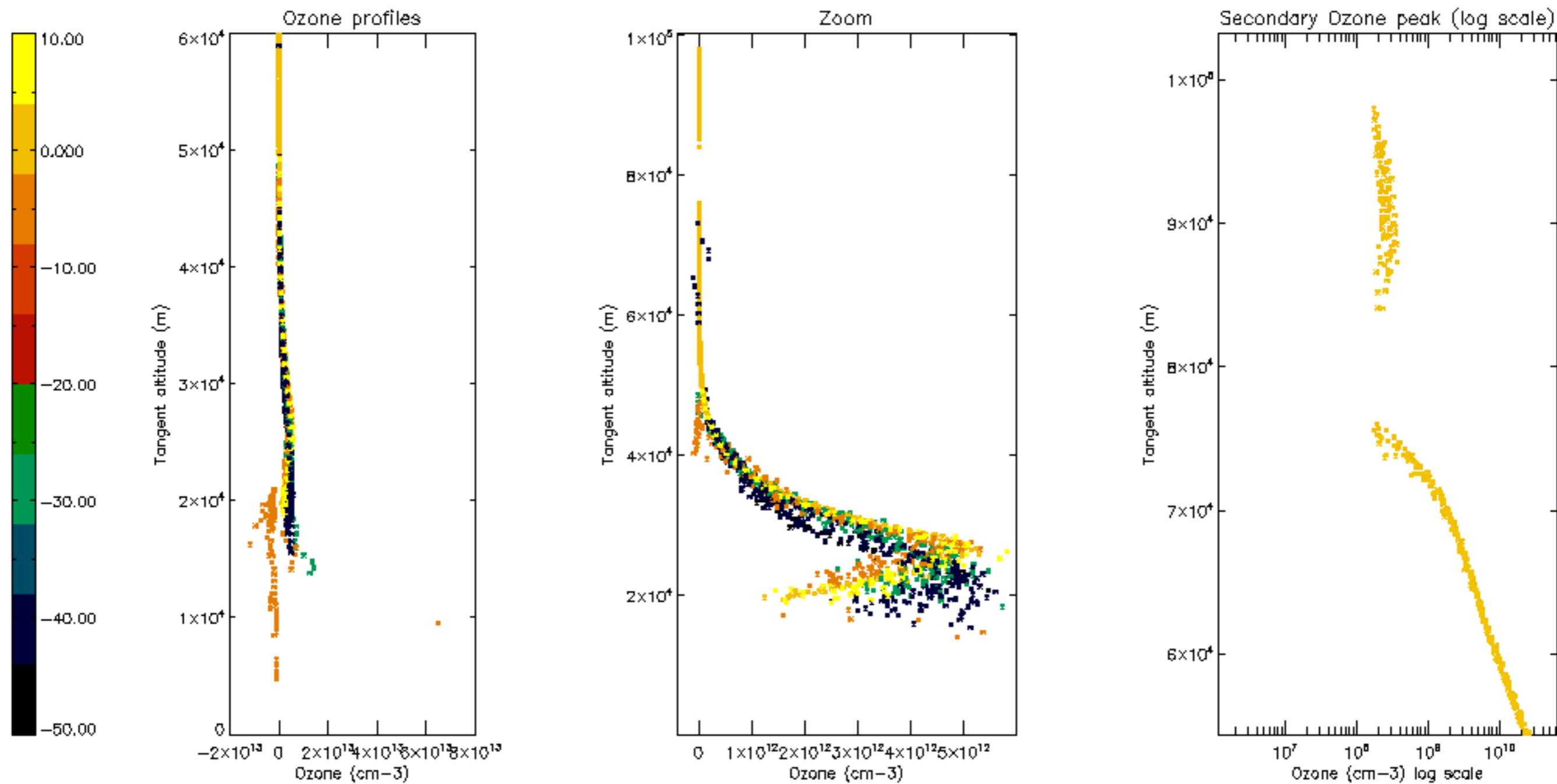
Percentage of star falling outside central band per profile

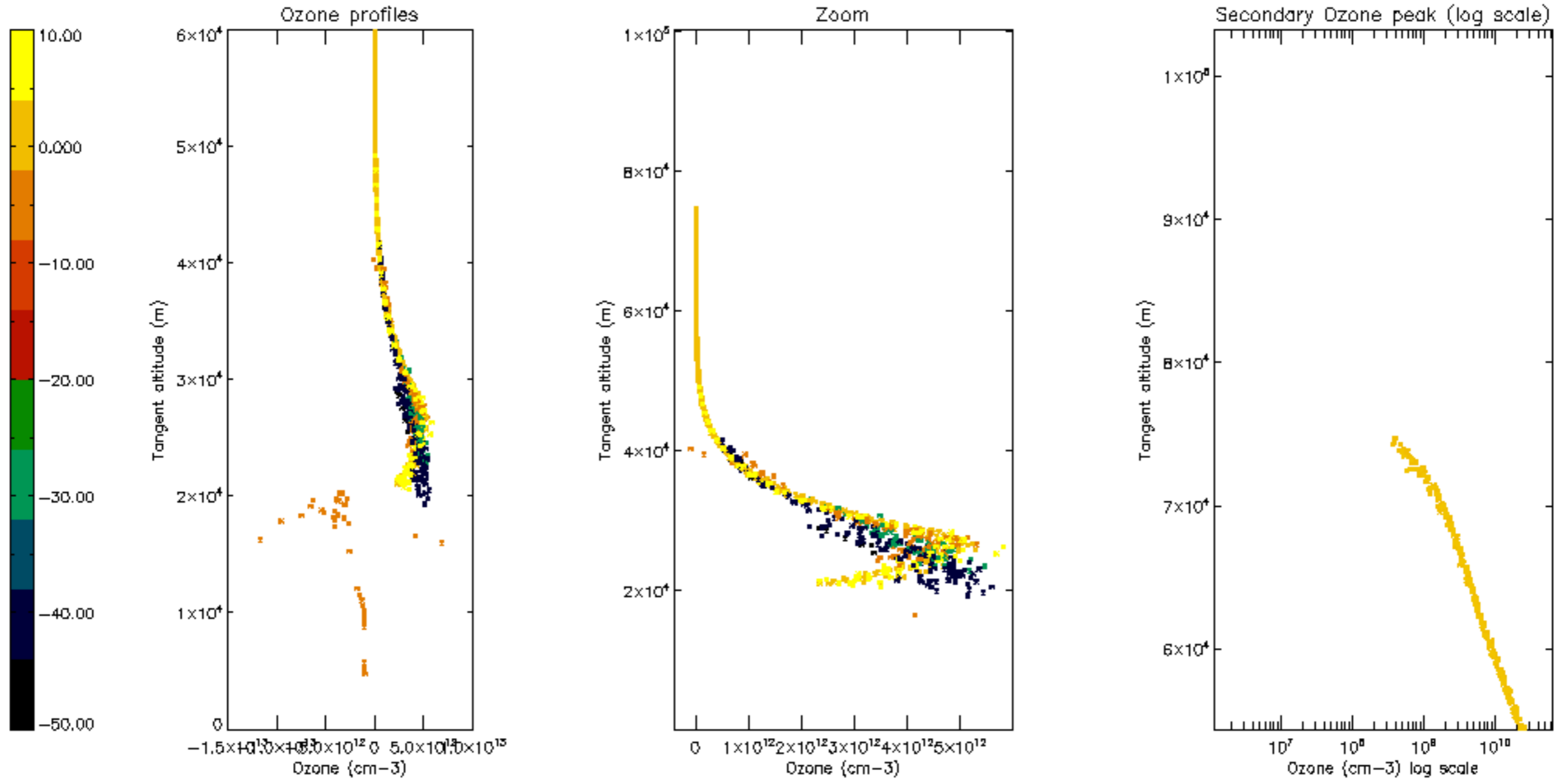


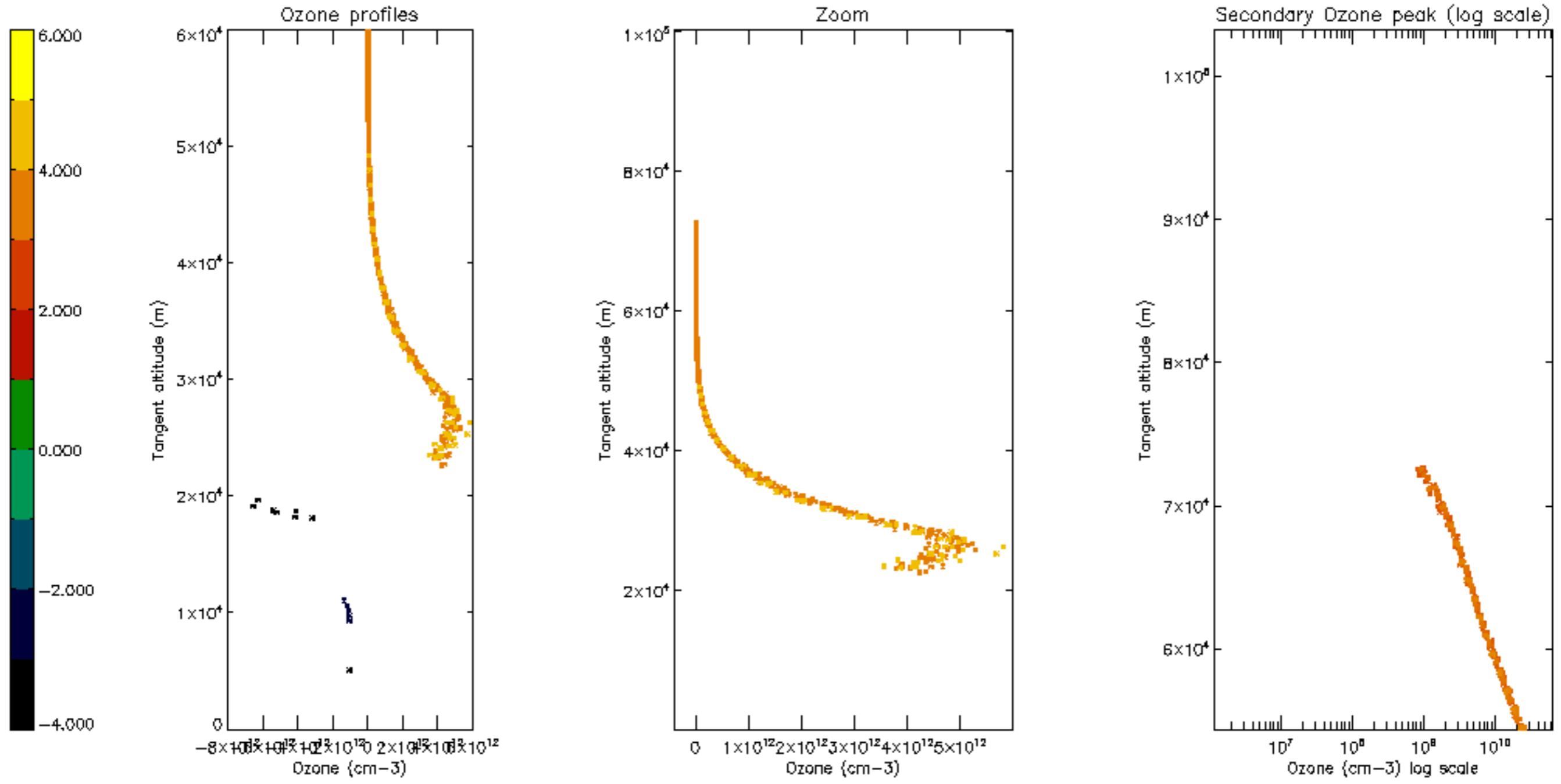
Percentage of saturation errors per profile



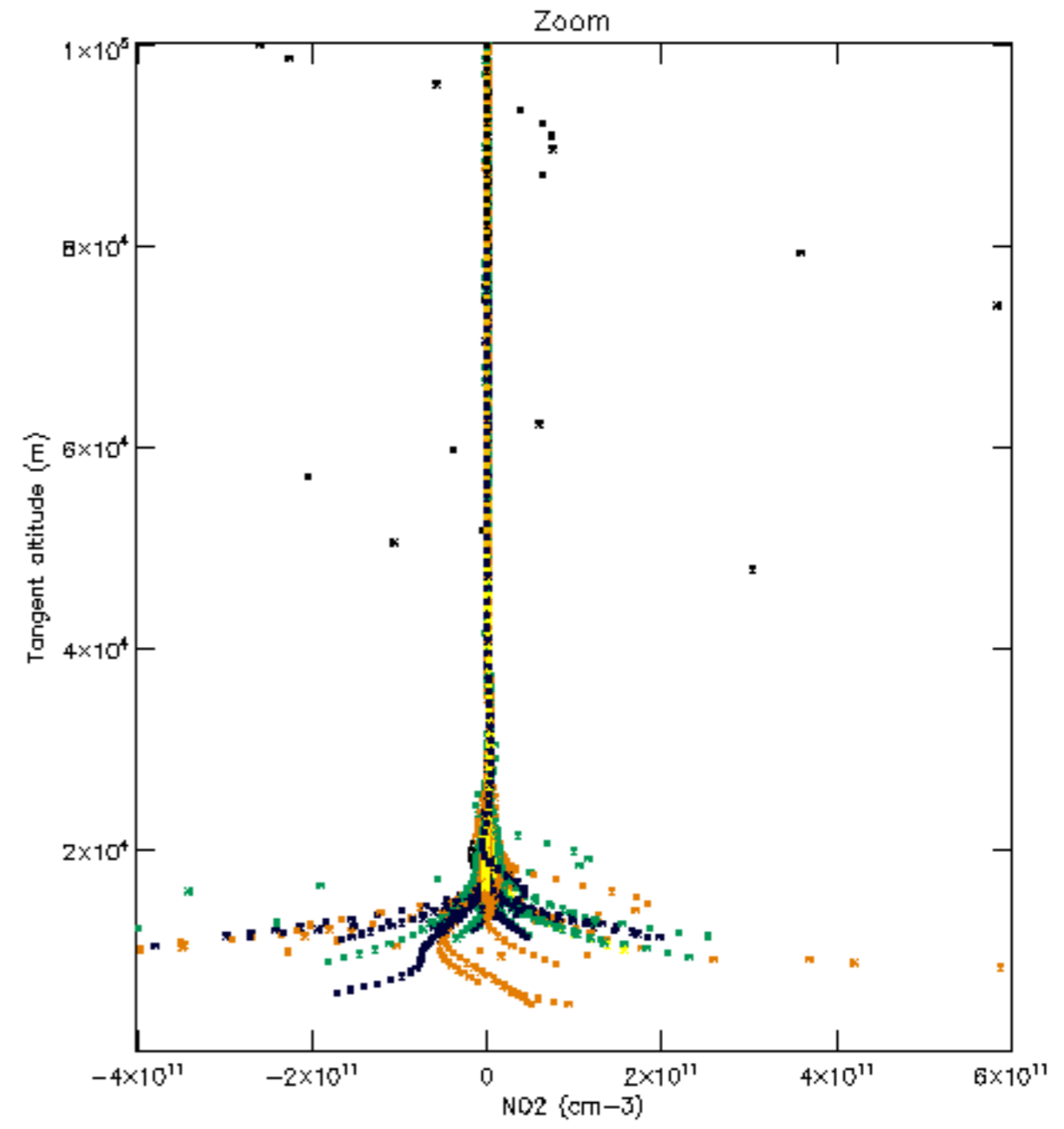
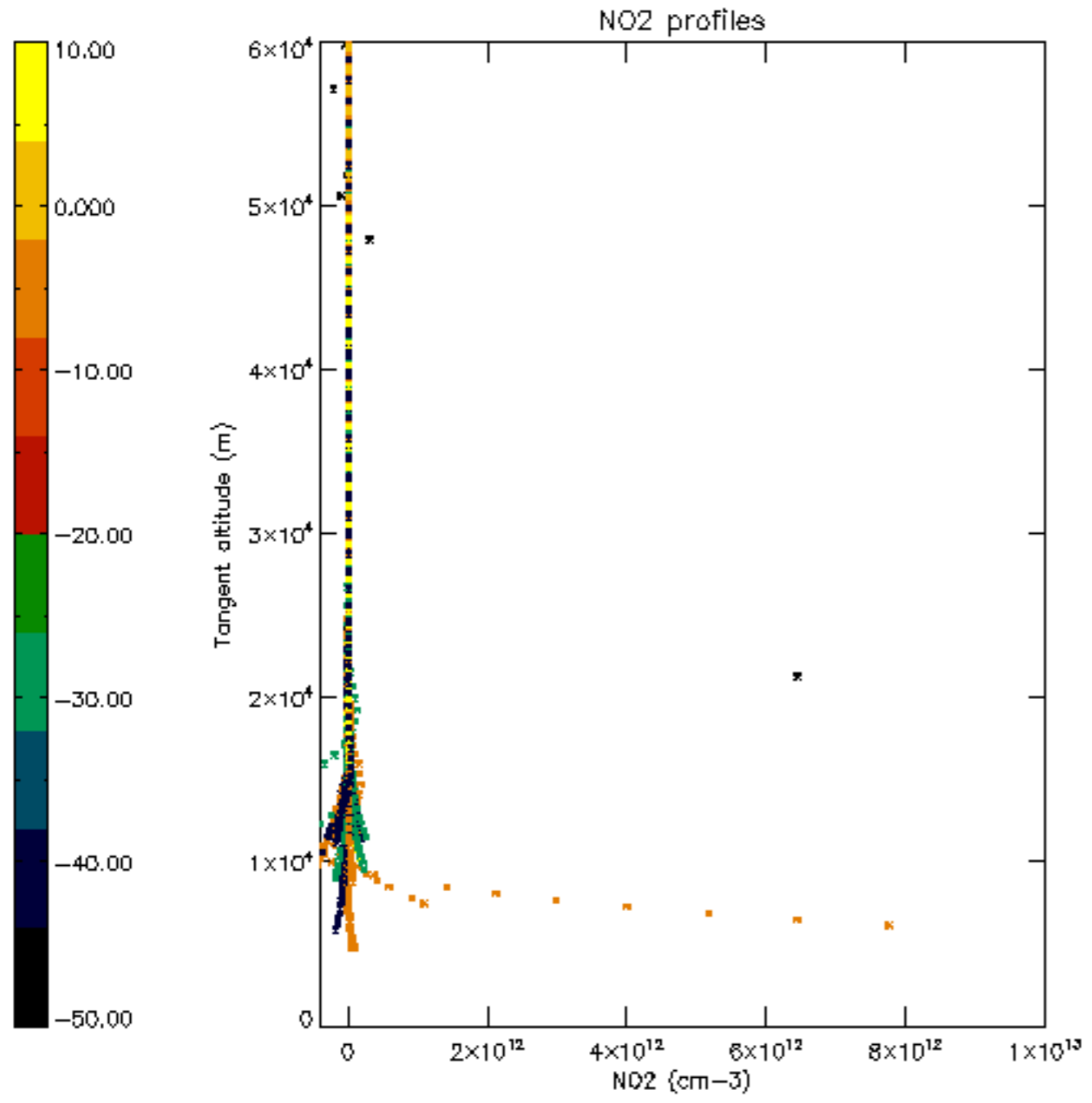


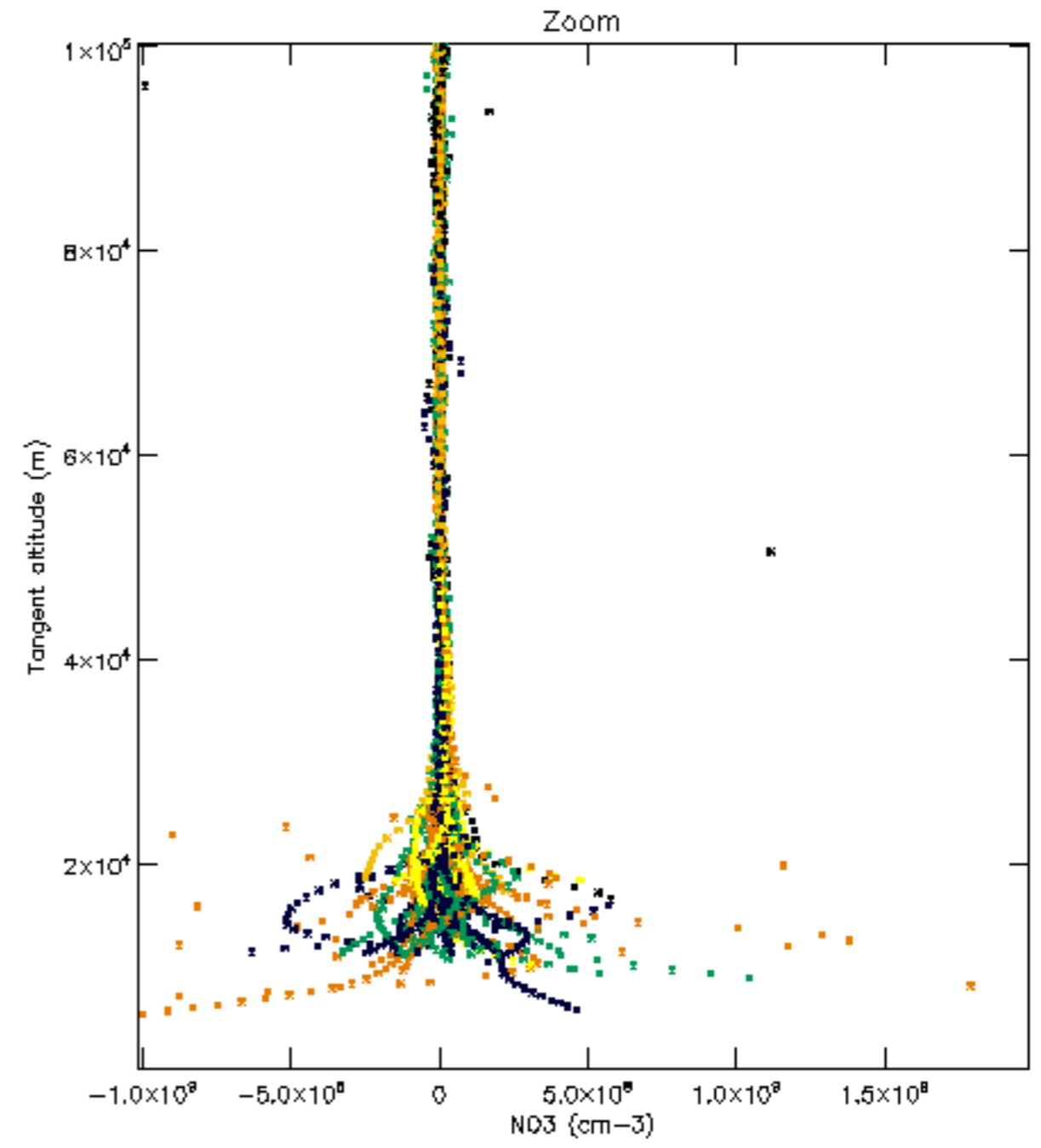
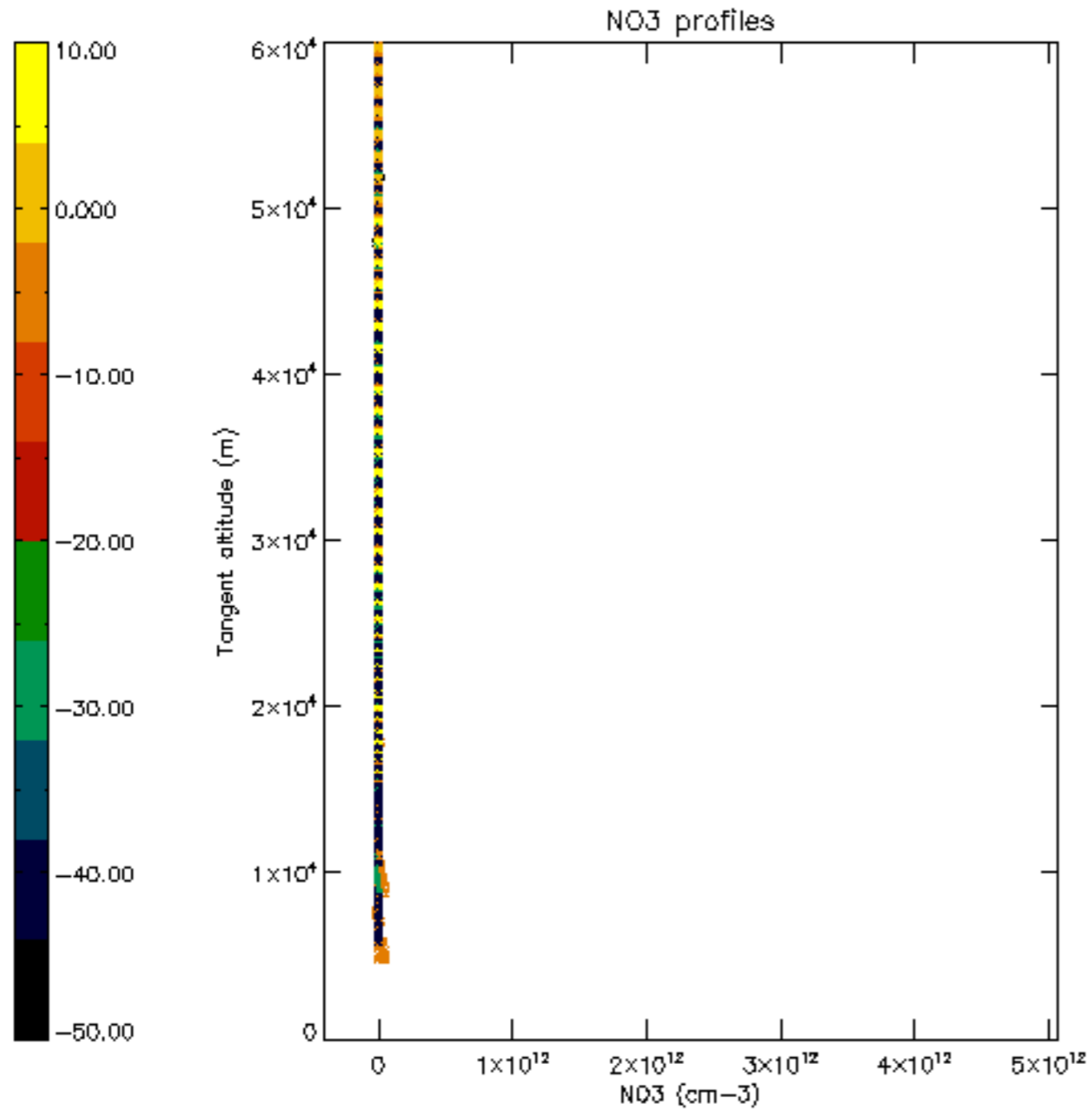


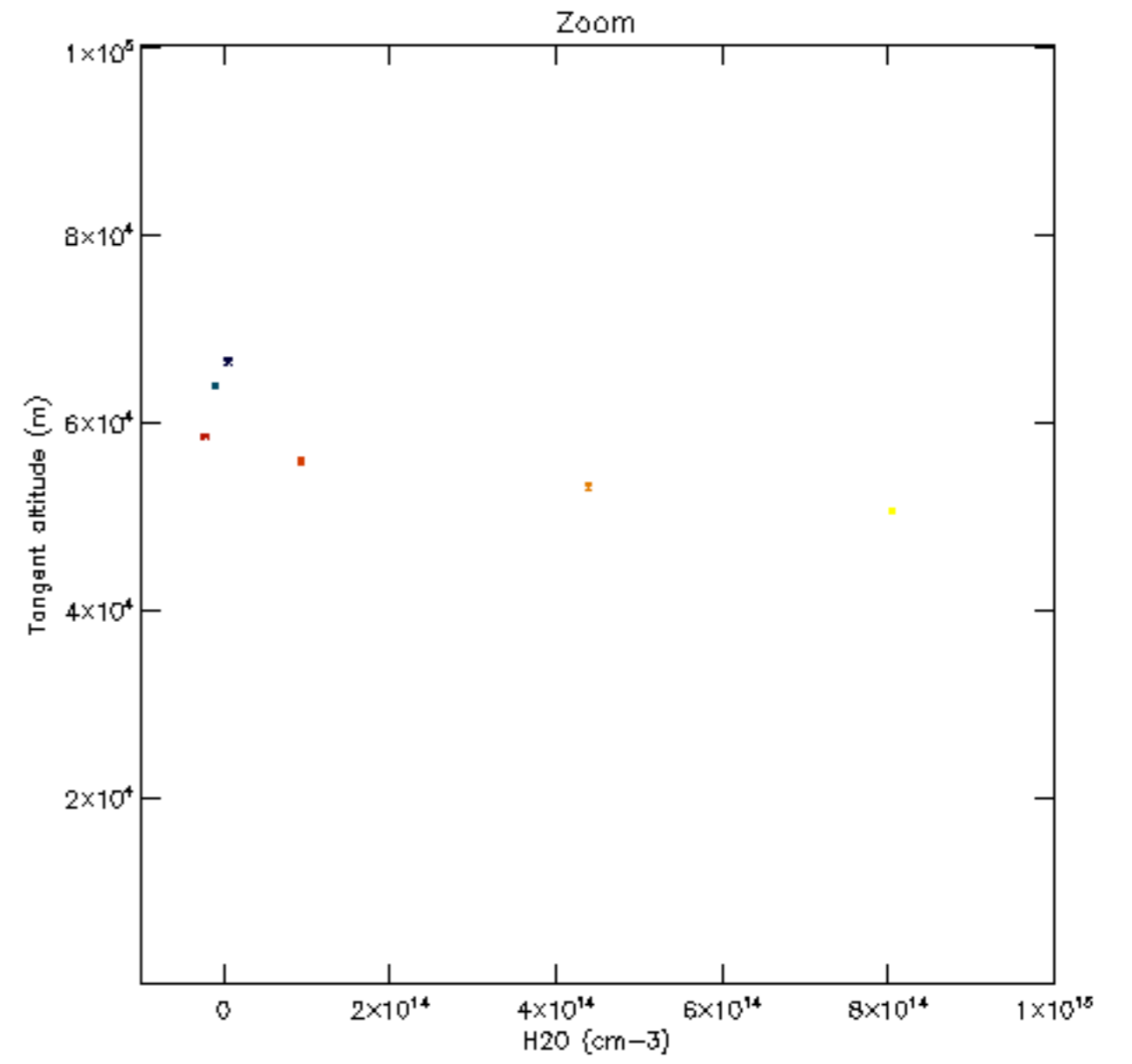
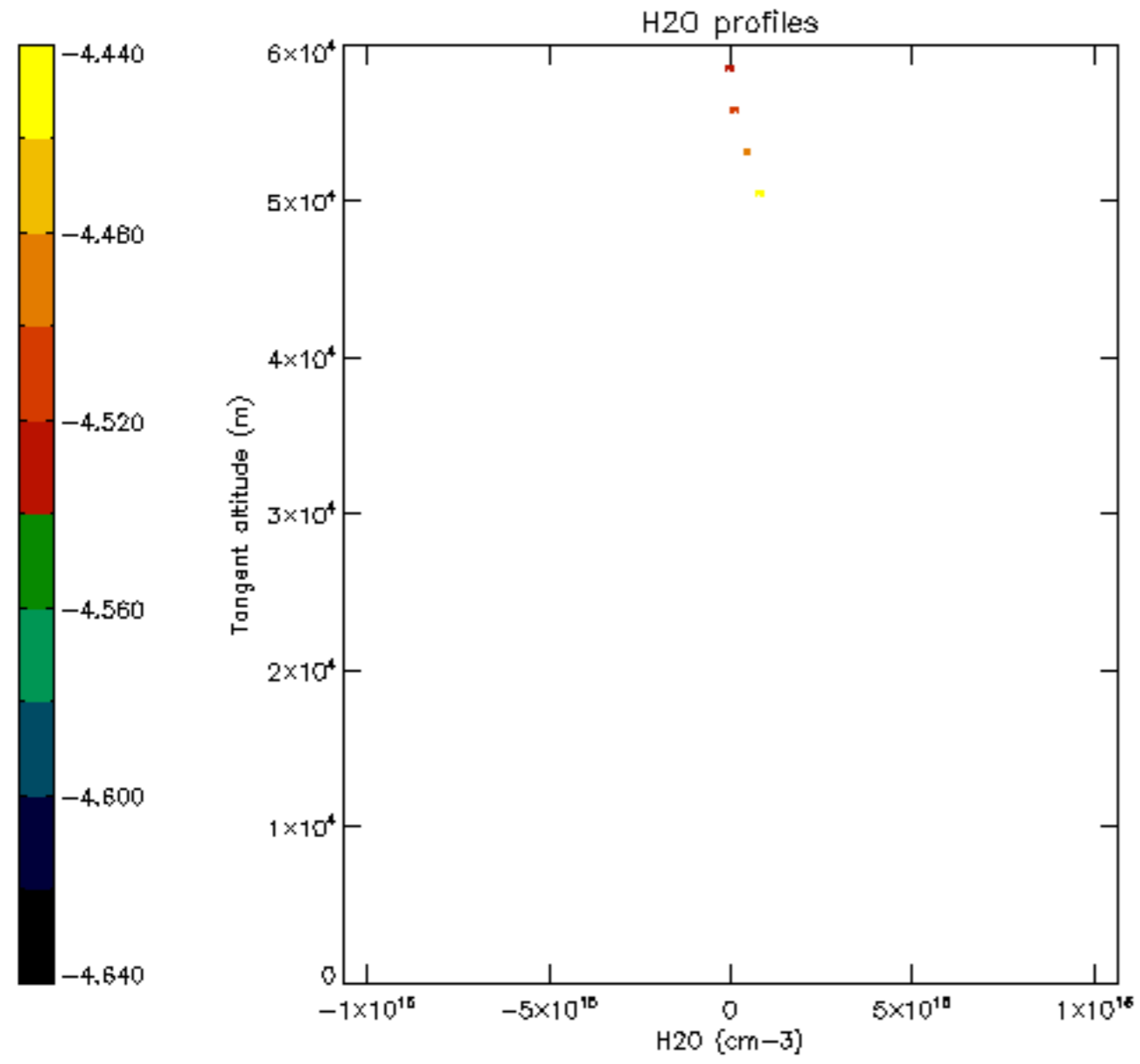


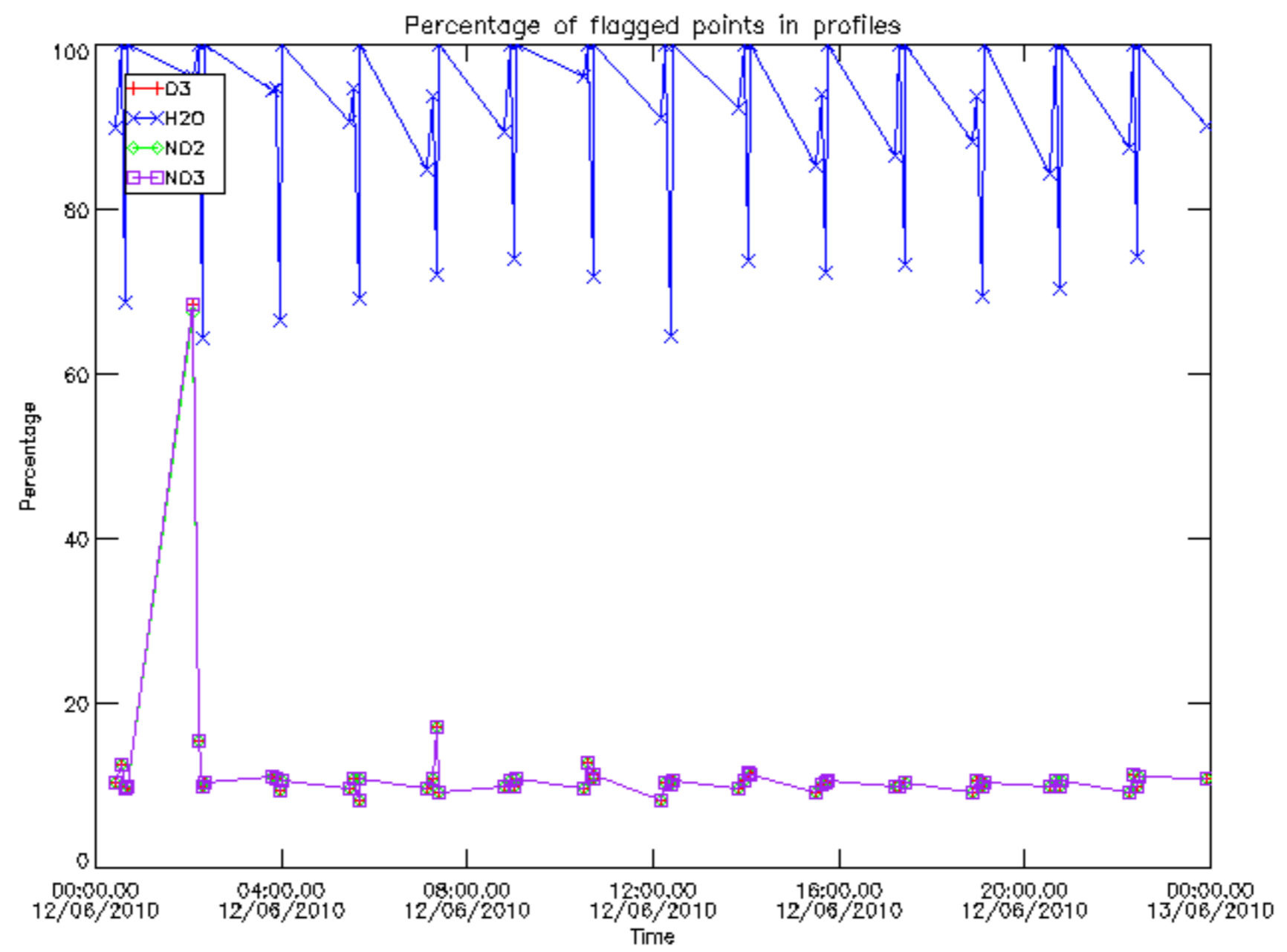




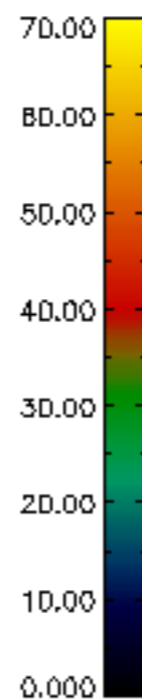
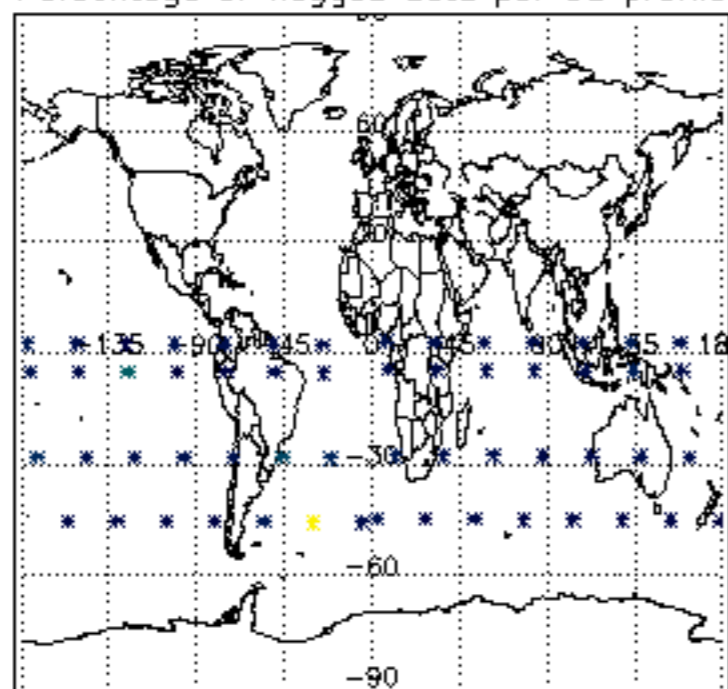




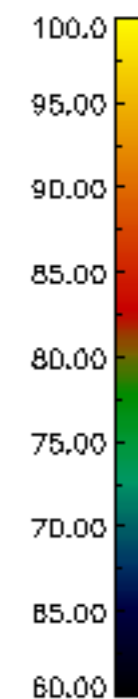
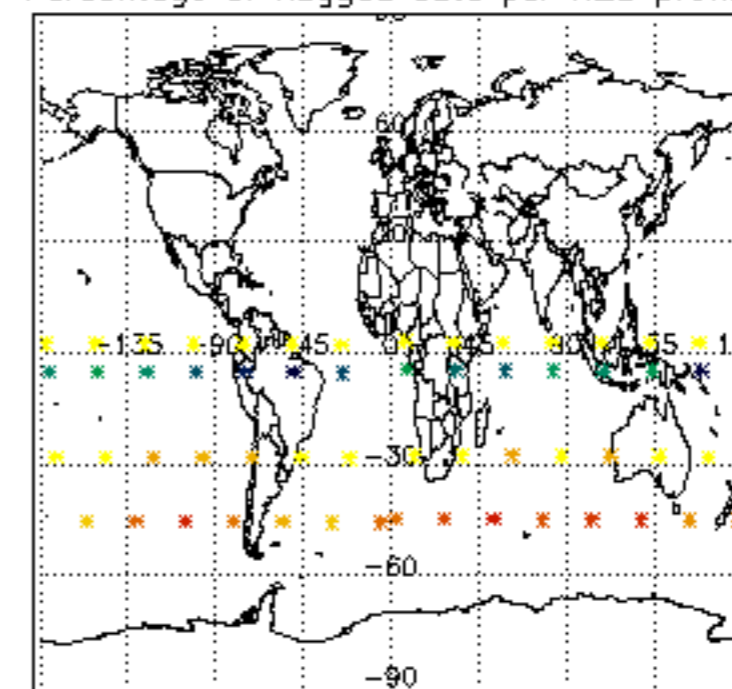




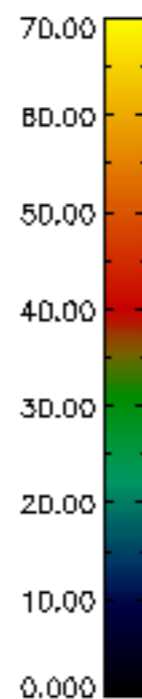
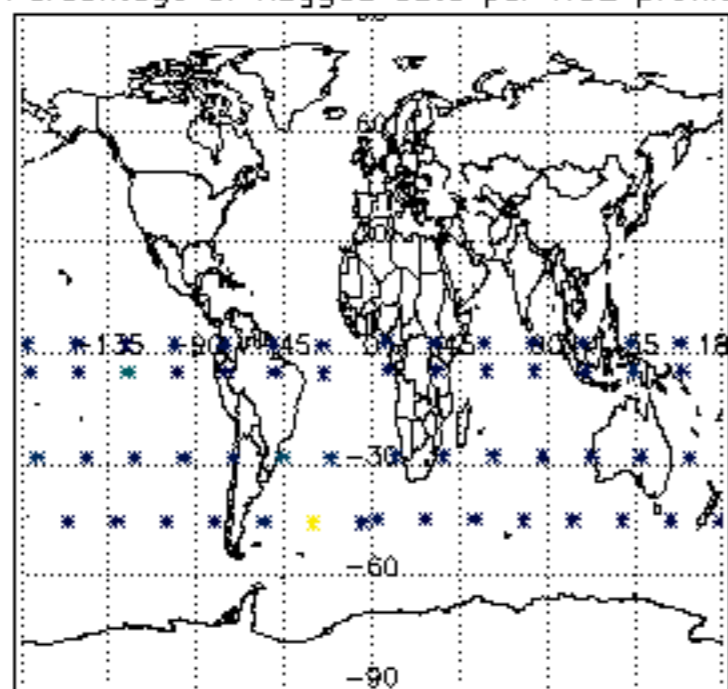
Percentage of flagged data per D3 profile



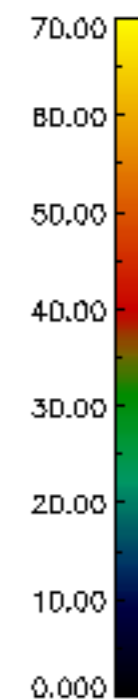
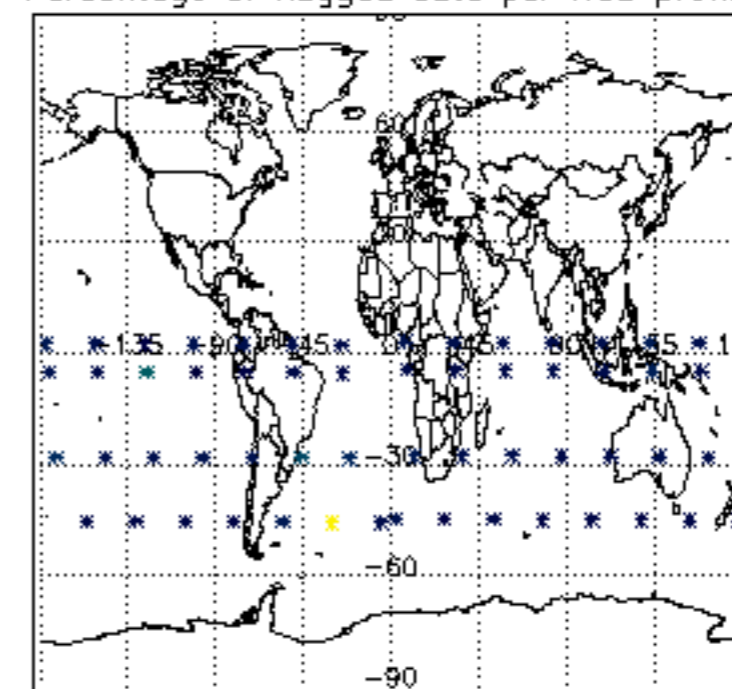
Percentage of flagged data per H2O profile

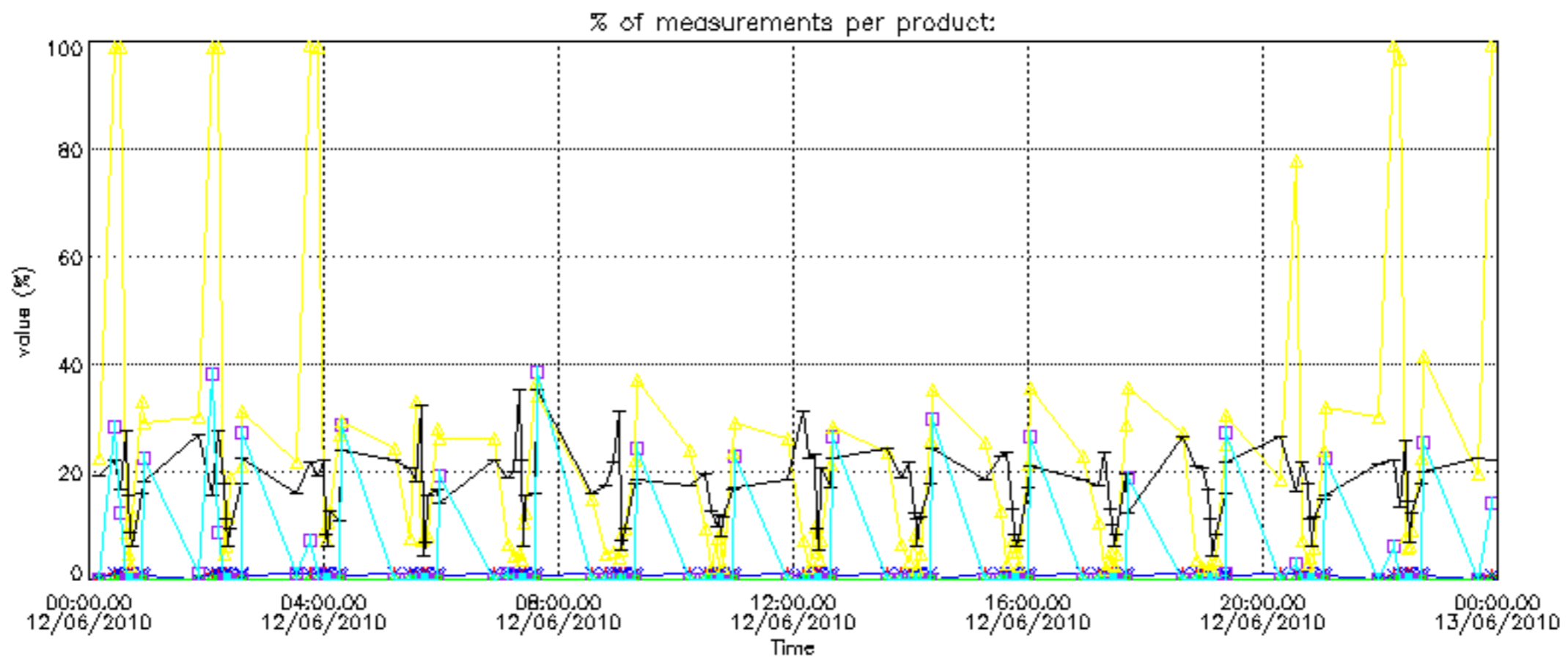


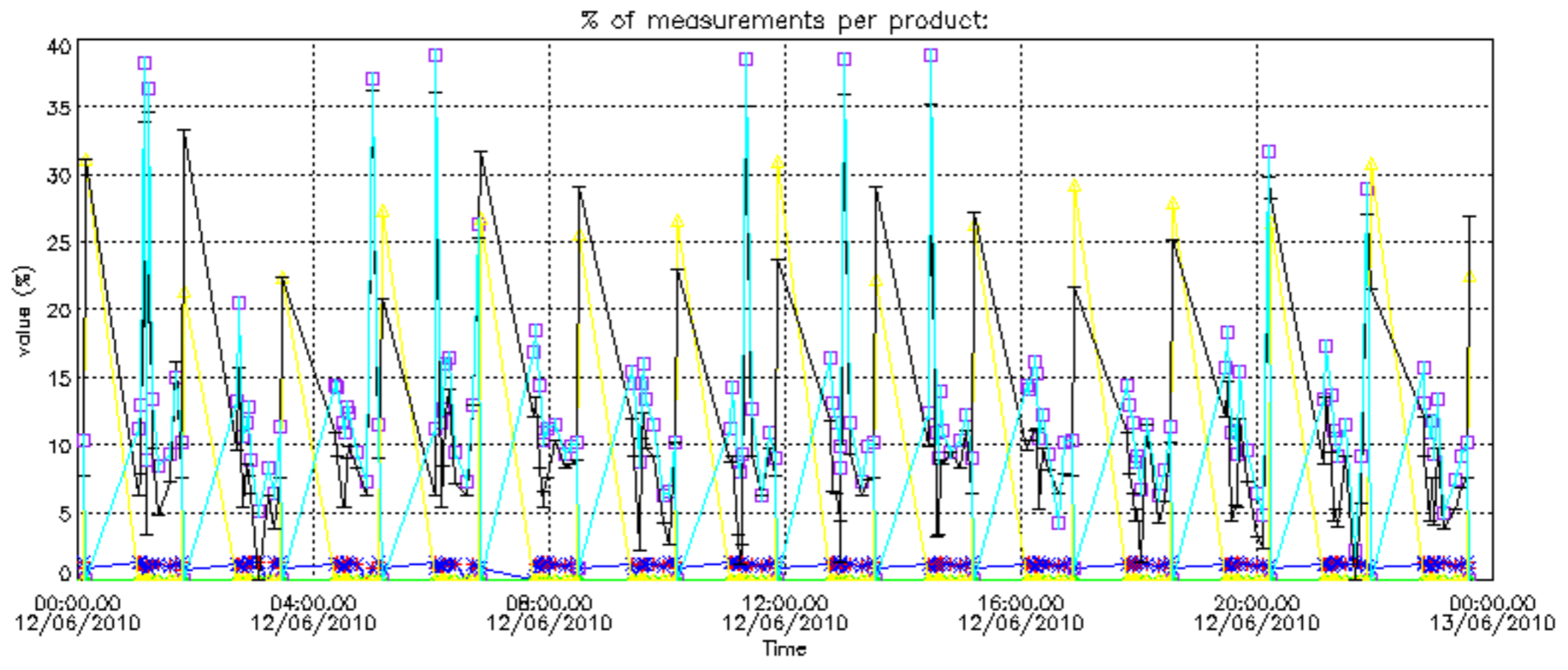
Percentage of flagged data per NO2 profile



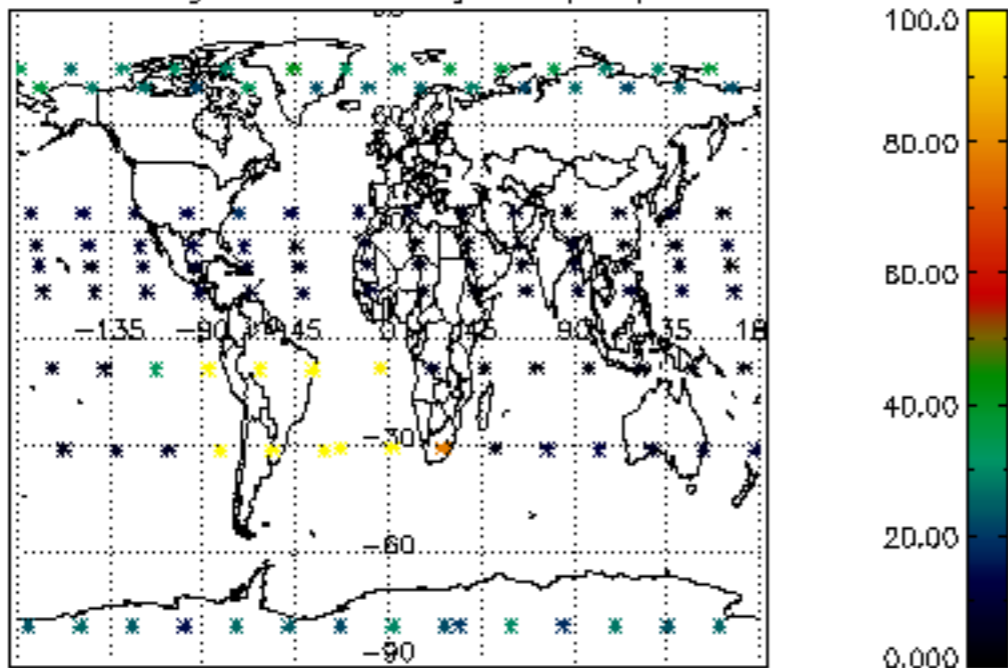
Percentage of flagged data per NO3 profile



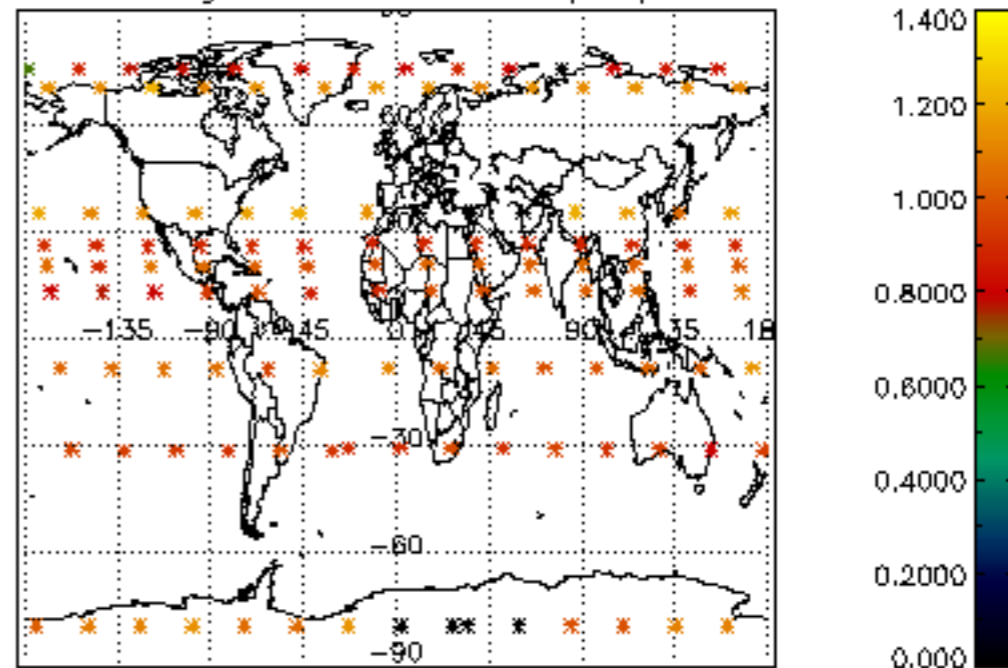




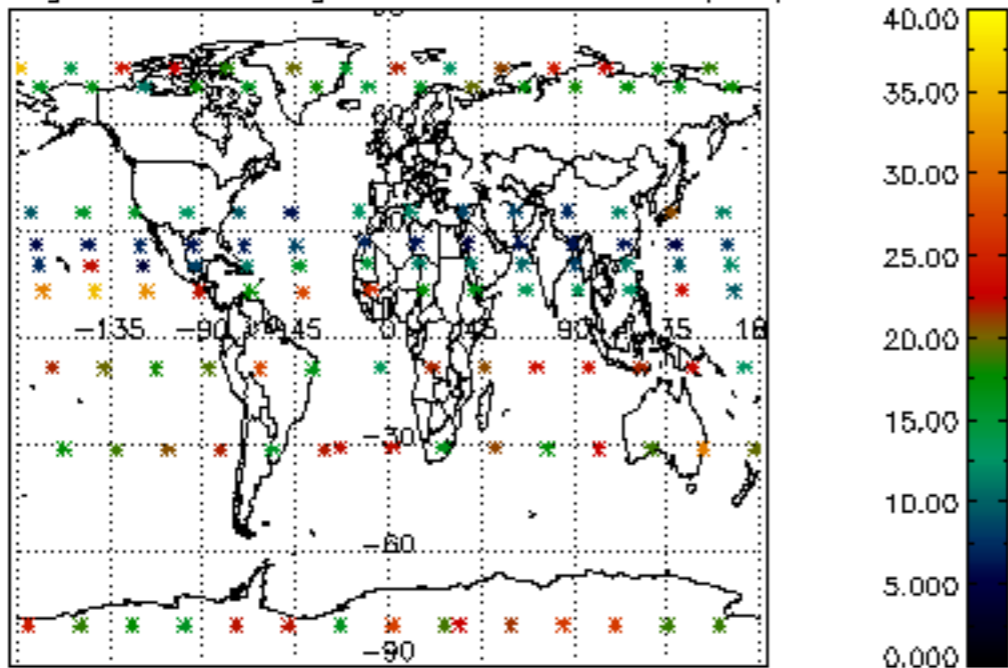
Percentage of cosmic ray hits per profile



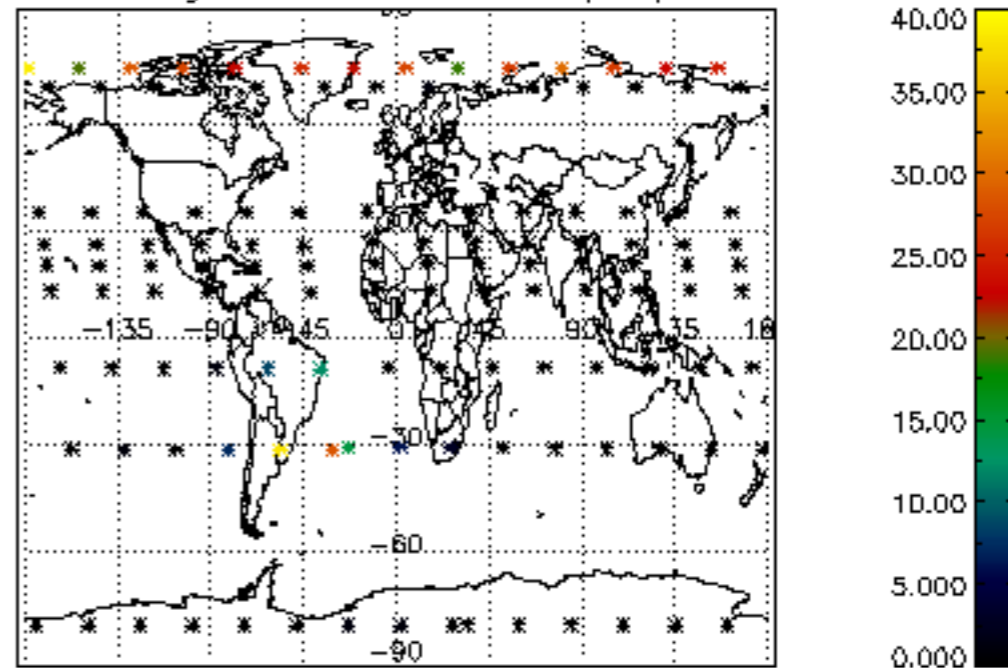
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

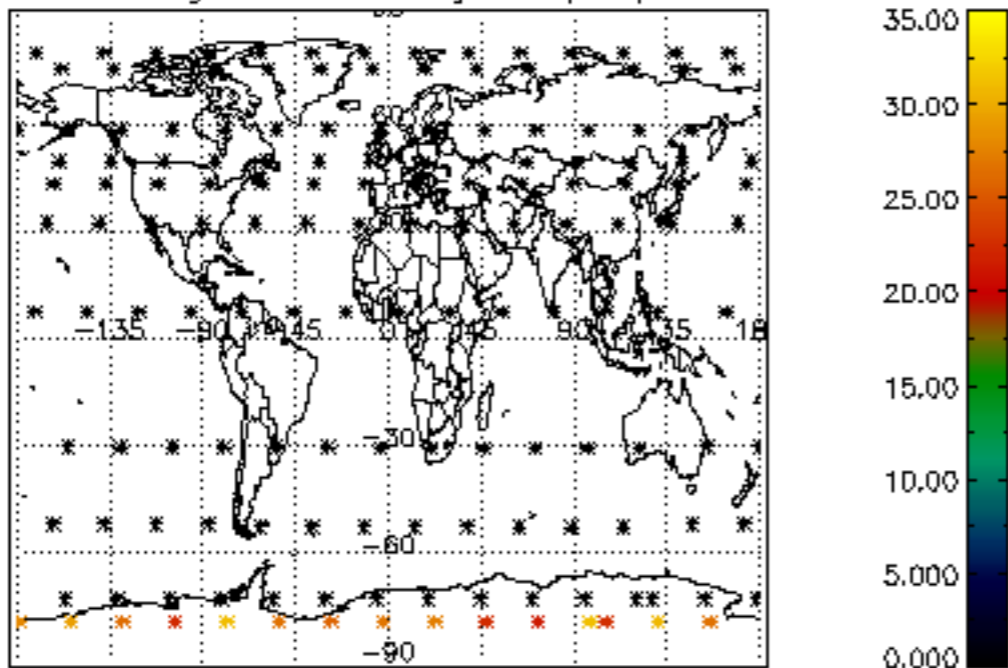


Percentage of saturation errors per profile

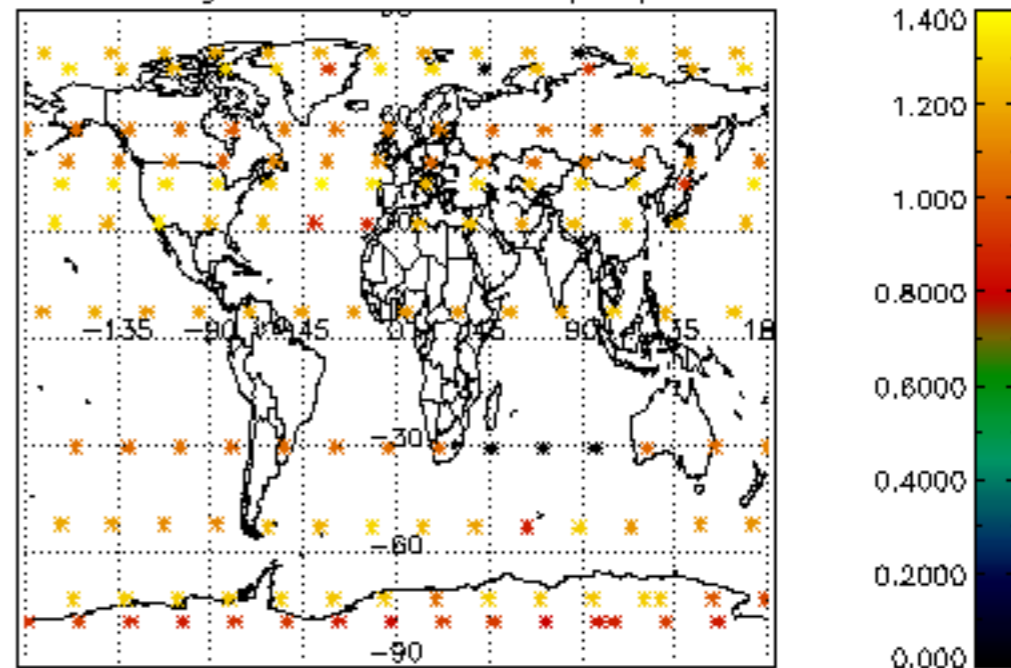




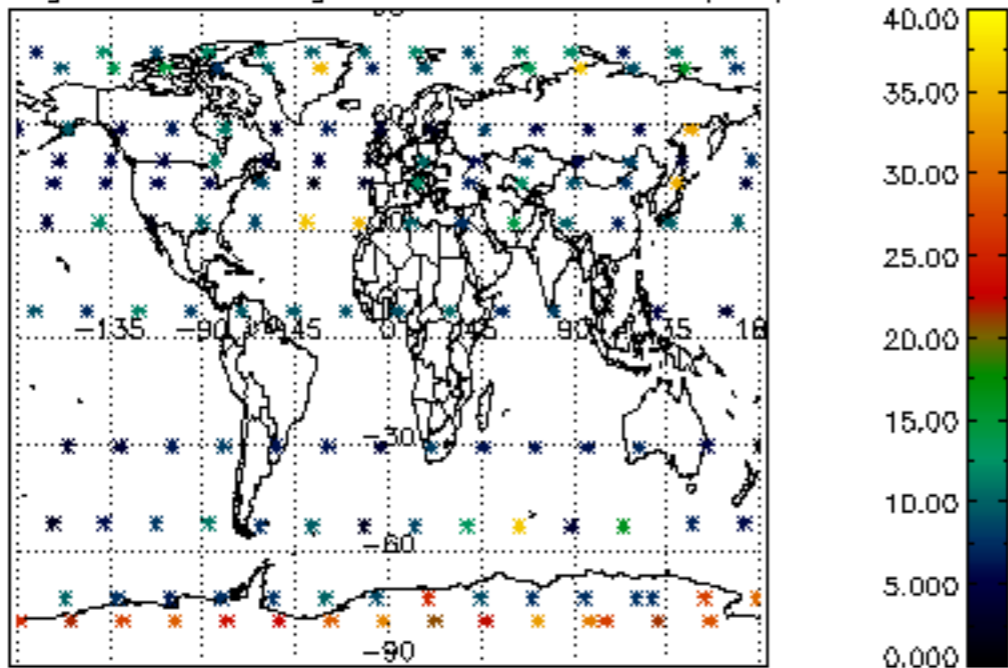
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

