

# GOMOS Level 2 Daily Report

## SUMMARY

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

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

### [3. Level 2 Quality information per product](#)

#### [3.1 Plot of level 2 quality information per product \(time dependant\)](#)

#### [3.2 Plot of level 2 quality information per product \(world map\)](#)

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

#### [4.1 Plot of level 1 quality information per product \(time dependant\)](#)

##### [4.1.1 Plot of level 1 quality information per product \(time dependant\): ASCENDING](#)

##### [4.1.2 Plot of level 1 quality information per product \(time dependant\): DESCENDING](#)

#### [4.2 Plot of level 1 quality information per product \(world map\)](#)

##### [4.2.1 Plot of level 1 quality information per product \(world map\): ASCENDING](#)

##### [4.2.2 Plot of level 1 quality information per product \(world map\): DESCENDING](#)

### [5. Ozone profiles based on quality statistics and other trace gas profiles](#)

#### [5.1 Ozone statistics based on quality of products](#)

#### [5.2 Plot ozone profiles for all STD \(dark without errors\)](#)

#### [5.3 Plot ozone profiles where STD < 20% \(dark without errors\)](#)

#### [5.4. Plot ozone profiles where STD < 10% \(dark without errors\)](#)

#### [5.5. Plot ozone profiles where STD < 5% \(dark without errors\)](#)

#### [5.6 Plot NO2 profiles for all STD \(dark without errors\)](#)

#### [5.7 Plot NO3 profiles for all STD \(dark without errors\)](#)

#### [5.8 Plot H2O profiles \(only for occultations of stars 1,2,3,4,13,14,16,26,63 dark without errors\) for all STD](#)

### [6. Auxiliary Data Files used for the production reported in section 2](#)

This report presents the daily analysis on parameters extracted from GOMOS level 2 data (GOM\_NL\_\_2P). It is intended to monitor some important parameters that will impact the quality of these products. A list of level 2 products (and content) that have arrived during the reporting day to the PCF is also given.

Item	Value
Time of report generation	24APR2013 17:51:38
Data source version	GOMOS/6.01
Start time of products	26-09-2011 (26SEP2011 00:00:00)
Stop time of products	27-09-2011 (27SEP2011 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	32
Nb of prods with errors	0

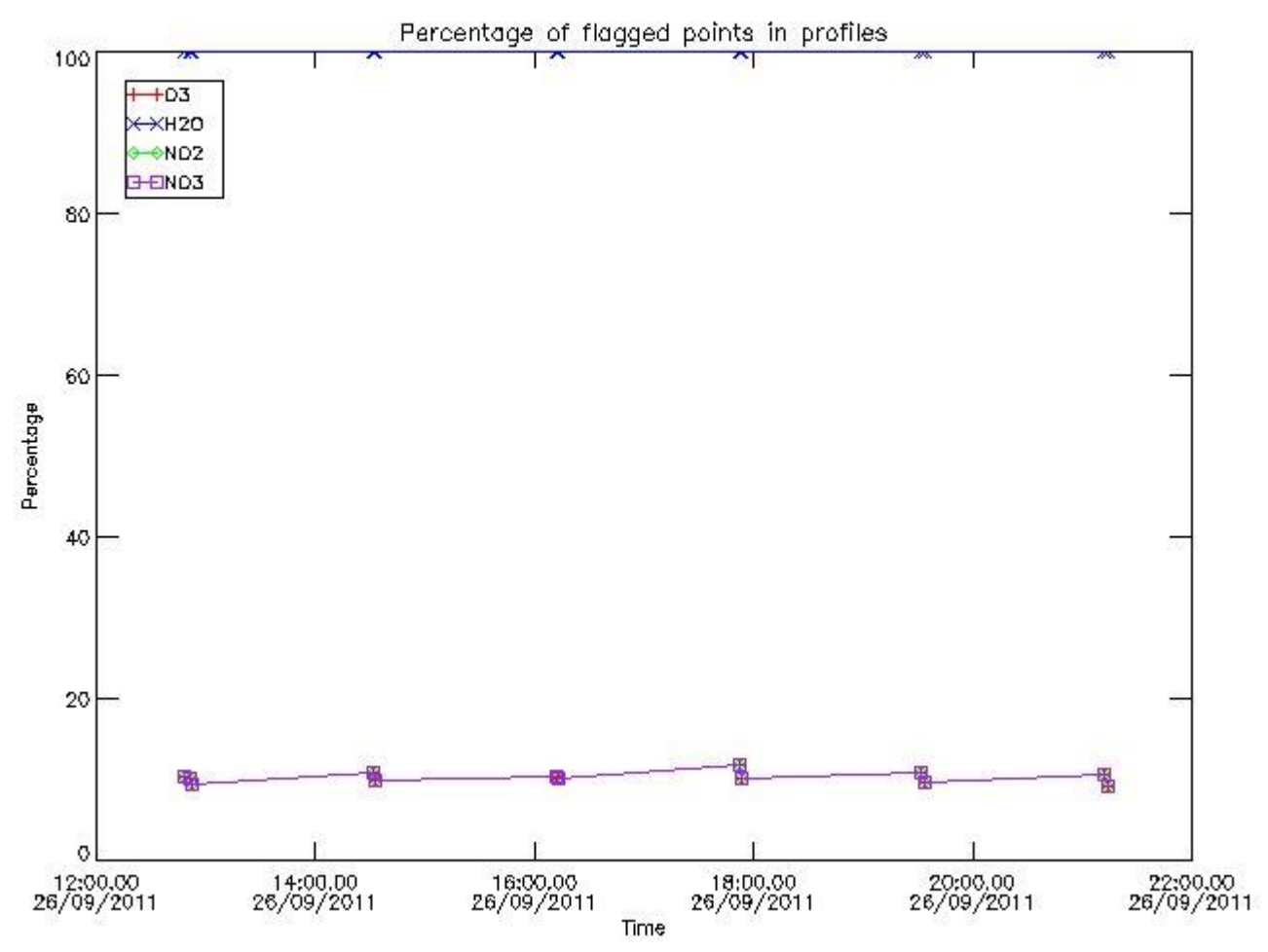
## 2. Summary of processed GOM\_NL\_\_2P products.

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20110926_120612_000000413107_00052_50066_9785.N1	26-SEP-2011 12:06:12	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	50066	No
2	GOM_NL__2PRFIN20110926_123141_000000443107_00052_50066_9786.N1	26-SEP-2011 12:31:41	Bright	44.000	17	78Bet Gem	1.1610	4500.0	88	50066	No
3	GOM_NL__2PRFIN20110926_124739_000000493107_00052_50066_9787.N1	26-SEP-2011 12:47:39	Dark	49.000	132	15Rho Pup	2.8030	6900.0	98	50066	No
4	GOM_NL__2PRFIN20110926_125103_000000503107_00052_50066_9788.N1	26-SEP-2011 12:51:03	Dark	50.000	88	31Eta CMa	2.4480	20000.	100	50066	No
5	GOM_NL__2PRFIN20110926_125237_000000543107_00052_50066_9789.N1	26-SEP-2011 12:52:37	Dark	53.500	23	21Eps CMa	1.5020	26000.	107	50066	No
6	GOM_NL__2PRFIN20110926_134459_000000403107_00053_50067_9831.N1	26-SEP-2011 13:44:59	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	50067	No
7	GOM_NL__2PRFIN20110926_134626_000000413107_00053_50067_9832.N1	26-SEP-2011 13:46:26	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	50067	No
8	GOM_NL__2PRFIN20110926_141155_000000443107_00053_50067_9833.N1	26-SEP-2011 14:11:55	Bright	44.000	17	78Bet Gem	1.1610	4500.0	88	50067	No
9	GOM_NL__2PRFIN20110926_143118_000000473107_00053_50067_9834.N1	26-SEP-2011 14:31:18	Dark	47.000	88	31Eta CMa	2.4480	20000.	94	50067	No
10	GOM_NL__2PRFIN20110926_143252_000000523107_00053_50067_9835.N1	26-SEP-2011 14:32:52	Dark	51.500	23	21Eps CMa	1.5020	26000.	103	50067	No
11	GOM_NL__2PRFIN20110926_145034_000000513107_00054_50068_9894.N1	26-SEP-2011 14:50:34	Straylight	51.000	157	The1Eri	2.9060	9300.0	102	50068	No
12	GOM_NL__2PRFIN20110926_151228_000000423107_00054_50068_9895.N1	26-SEP-2011 15:12:28	Bright	42.000	140	88Gam Peg	2.8340	26000.	84	50068	No
13	GOM_NL__2PRFIN20110926_152639_000000413107_00054_50068_9896.N1	26-SEP-2011 15:26:39	Bright	41.000	76	27Gam Cas	2.3000	30000.	82	50068	No
14	GOM_NL__2PRFIN20110926_155209_000000353107_00054_50068_9897.N1	26-SEP-2011 15:52:09	Twilight	35.000	17	78Bet Gem	1.1610	4500.0	70	50068	No
15	GOM_NL__2PRFIN20110926_161133_000000503107_00054_50068_9898.N1	26-SEP-2011 16:11:33	Dark	49.500	88	31Eta CMa	2.4480	20000.	99	50068	No
16	GOM_NL__2PRFIN20110926_161307_000000503107_00054_50068_9899.N1	26-SEP-2011 16:13:07	Dark	50.000	23	21Eps CMa	1.5020	26000.	100	50068	No
17	GOM_NL__2PRFIN20110926_163049_000000493107_00055_50069_9943.N1	26-SEP-2011 16:30:49	Straylight	49.000	157	The1Eri	2.9060	9300.0	98	50069	No
18	GOM_NL__2PRFIN20110926_164159_000000203107_00055_50069_9944.N1	26-SEP-2011 16:41:59	Twilight	20.000	52	16Bet Cet	2.0370	4500.0	40	50069	No
19	GOM_NL__2PRFIN20110926_170653_000000403107_00055_50069_9945.N1	26-SEP-2011 17:06:53	Bright	40.000	76	27Gam Cas	2.3000	30000.	80	50069	No
20	GOM_NL__2PRFIN20110926_173223_000000353107_00055_50069_9946.N1	26-SEP-2011 17:32:23	Twilight	35.000	17	78Bet Gem	1.1610	4500.0	70	50069	No
21	GOM_NL__2PRFIN20110926_175148_000000473107_00055_50069_9947.N1	26-SEP-2011 17:51:48	Dark	47.000	88	31Eta CMa	2.4480	20000.	94	50069	No
22	GOM_NL__2PRFIN20110926_175322_000000513107_00055_50069_9948.N1	26-SEP-2011 17:53:22	Dark	50.500	23	21Eps CMa	1.5020	26000.	101	50069	No
23	GOM_NL__2PRFIN20110926_181104_000000503107_00056_50070_9980.N1	26-SEP-2011 18:11:04	Straylight	50.000	157	The1Eri	2.9060	9300.0	100	50070	No
24	GOM_NL__2PRFIN20110926_184706_000000423107_00056_50070_9981.N1	26-SEP-2011 18:47:06	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	50070	No
25	GOM_NL__2PRFIN20110926_191237_000000273107_00056_50070_9982.N1	26-SEP-2011 19:12:37	Twilight	27.000	17	78Bet Gem	1.1610	4500.0	54	50070	No
26	GOM_NL__2PRFIN20110926_193203_000000473107_00056_50070_9983.N1	26-SEP-2011 19:32:03	Dark	47.000	88	31Eta CMa	2.4480	20000.	94	50070	No
27	GOM_NL__2PRFIN20110926_193337_000000543107_00056_50070_9984.N1	26-SEP-2011 19:33:37	Dark	53.500	23	21Eps CMa	1.5020	26000.	107	50070	No
28	GOM_NL__2PRFIN20110926_195118_000000513107_00057_50071_0014.N1	26-SEP-2011 19:51:18	Straylight	51.000	157	The1Eri	2.9060	9300.0	102	50071	No
29	GOM_NL__2PRFIN20110926_202720_000000413107_00057_50071_0015.N1	26-SEP-2011 20:27:20	Bright	41.000	76	27Gam Cas	2.3000	30000.	82	50071	No
30	GOM_NL__2PRFIN20110926_205252_000000273107_00057_50071_0016.N1	26-SEP-2011 20:52:52	Twilight	26.500	17	78Bet Gem	1.1610	4500.0	53	50071	No
31	GOM_NL__2PRFIN20110926_211218_000000493107_00057_50071_0017.N1	26-SEP-2011 21:12:18	Dark	48.500	88	31Eta CMa	2.4480	20000.	97	50071	No
32	GOM_NL__2PRFIN20110926_211352_000000563107_00057_50071_0018.N1	26-SEP-2011 21:13:52	Dark	55.500	23	21Eps CMa	1.5020	26000.	111	50071	No

## 3. Quality information per product

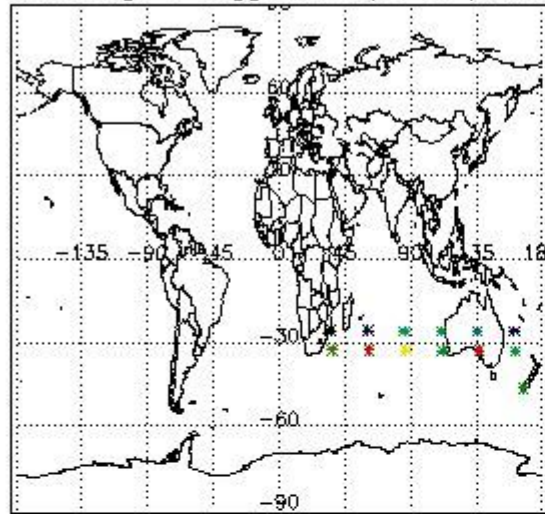
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

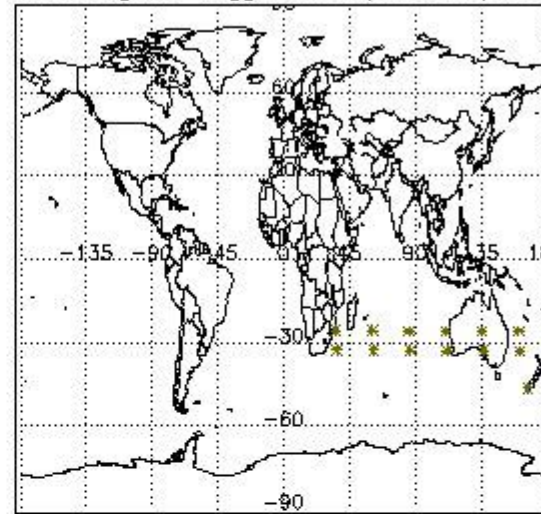


*3.2 Plot quality information per product (world map)*

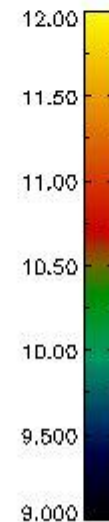
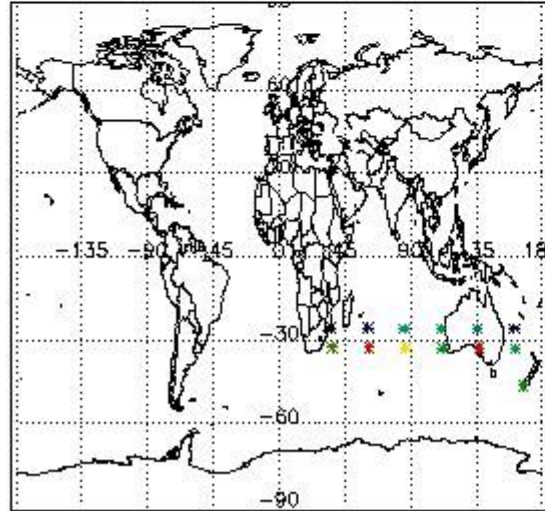
Percentage of flagged data per O3 profile



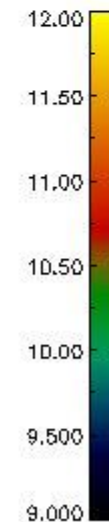
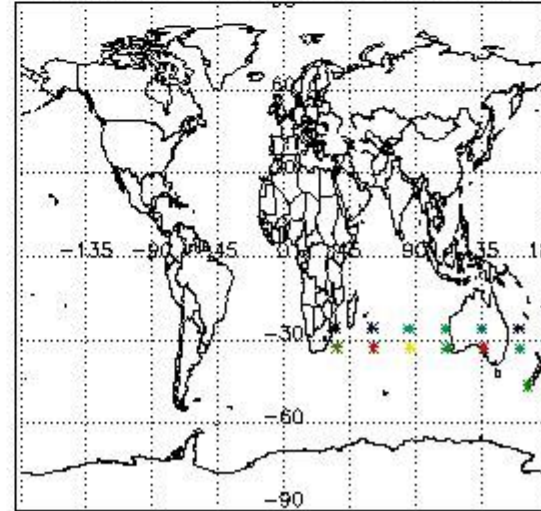
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

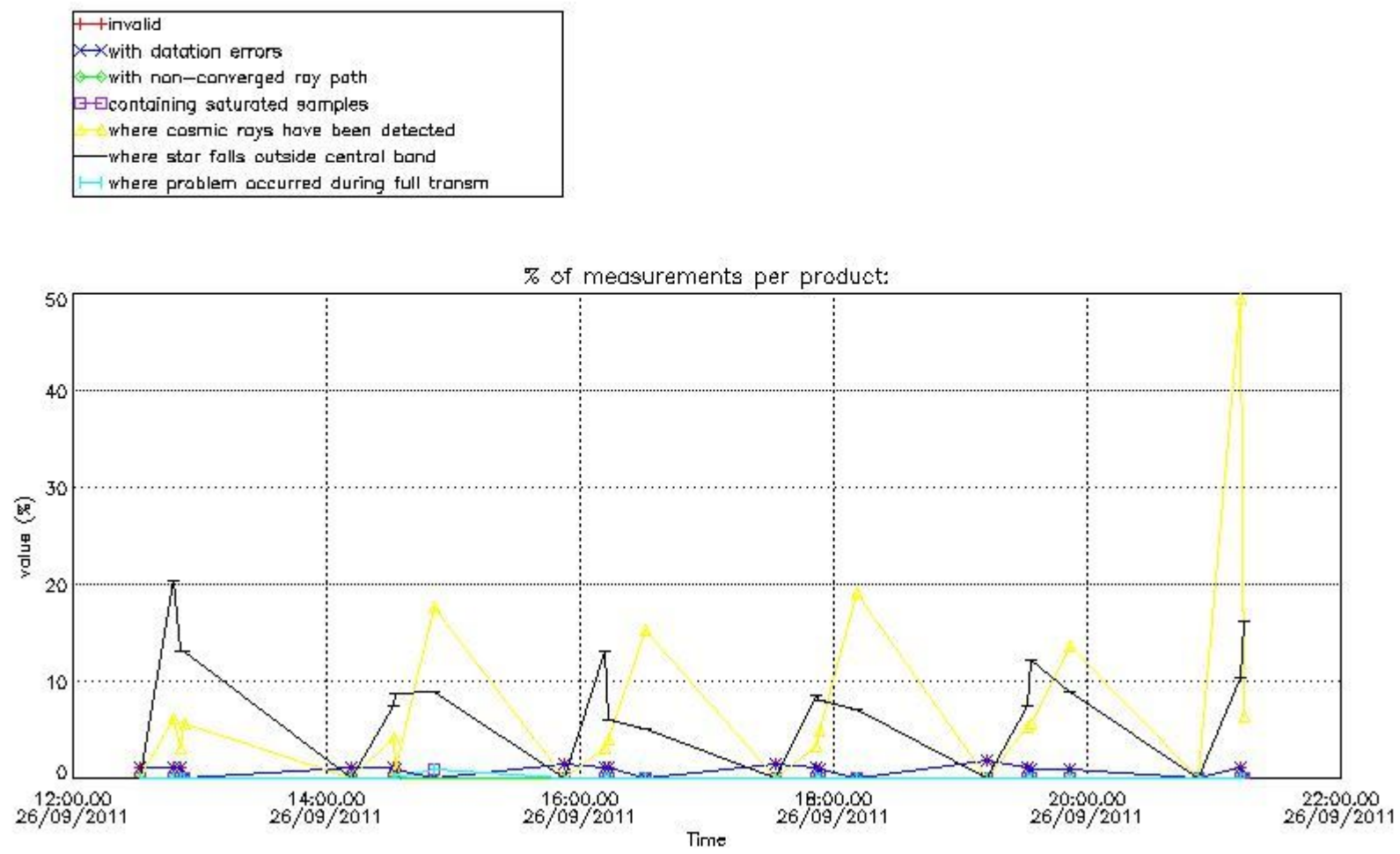


#### 4. Level 1 quality information per product

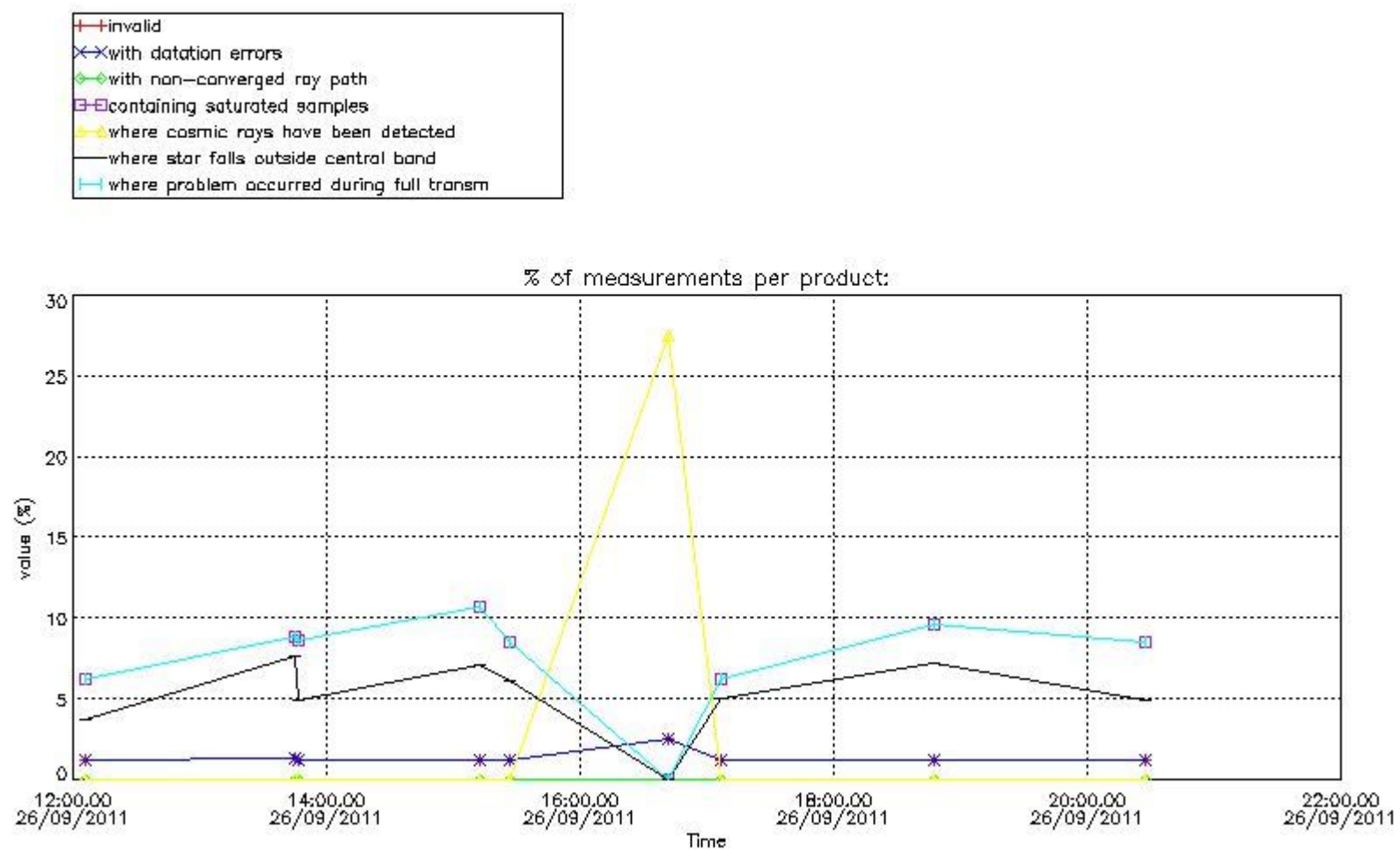
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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

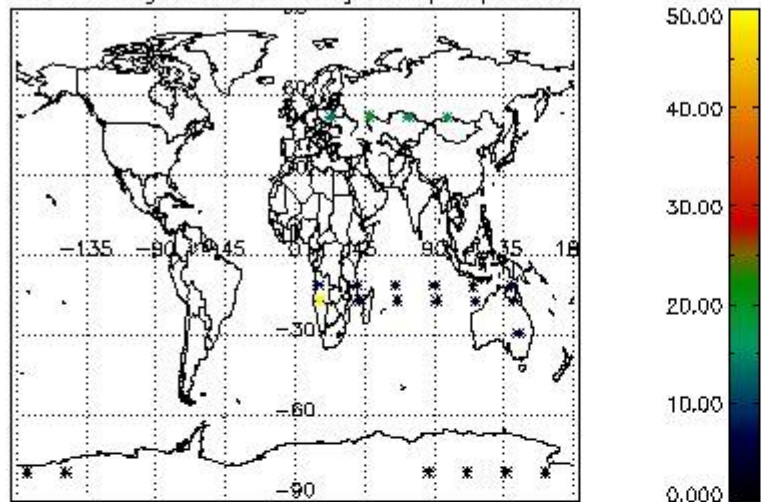


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

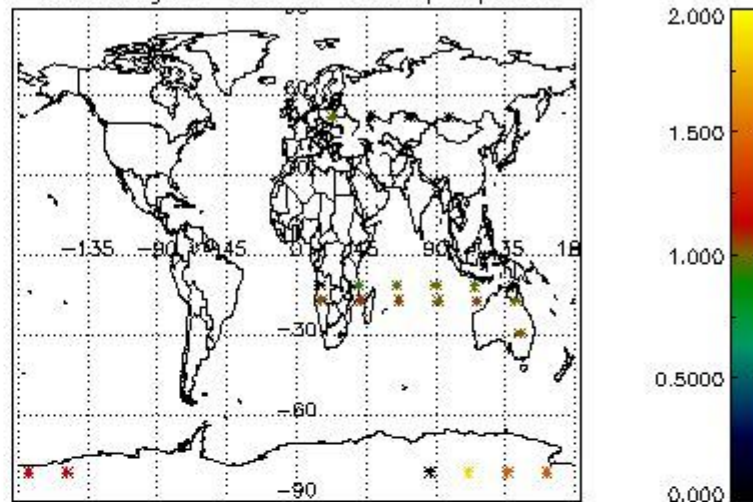


4.2 Plot quality information per product coming from level 1b processing (world map)  
 4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes

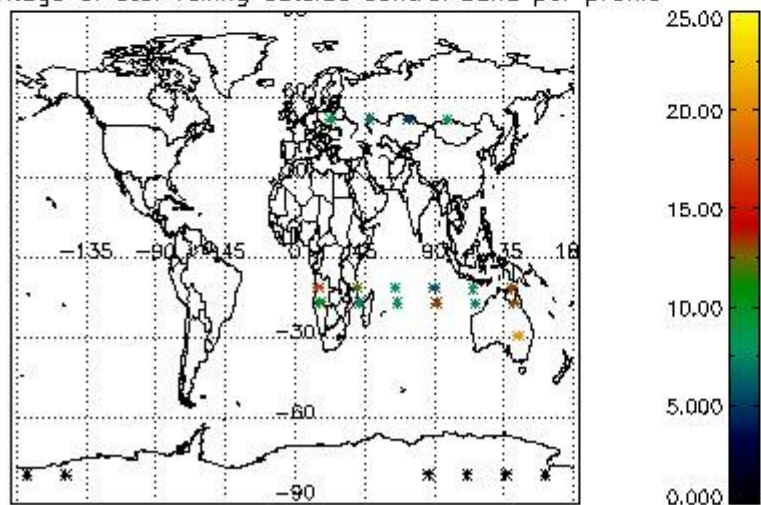
Percentage of cosmic ray hits per profile



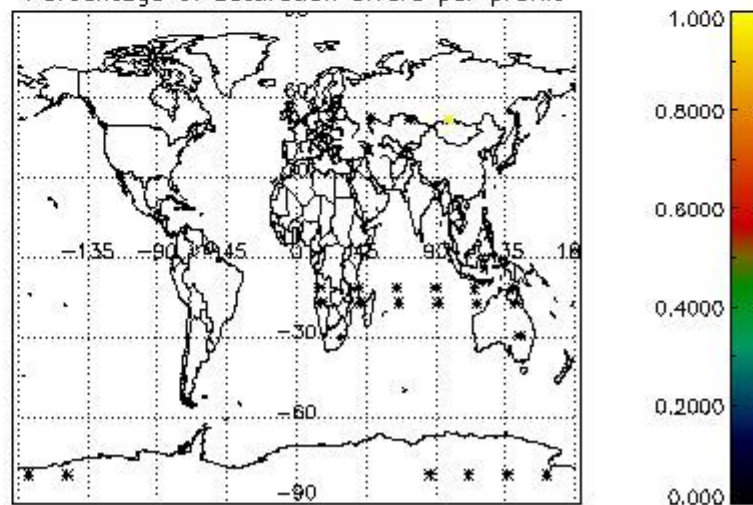
Percentage of datation errors per profile



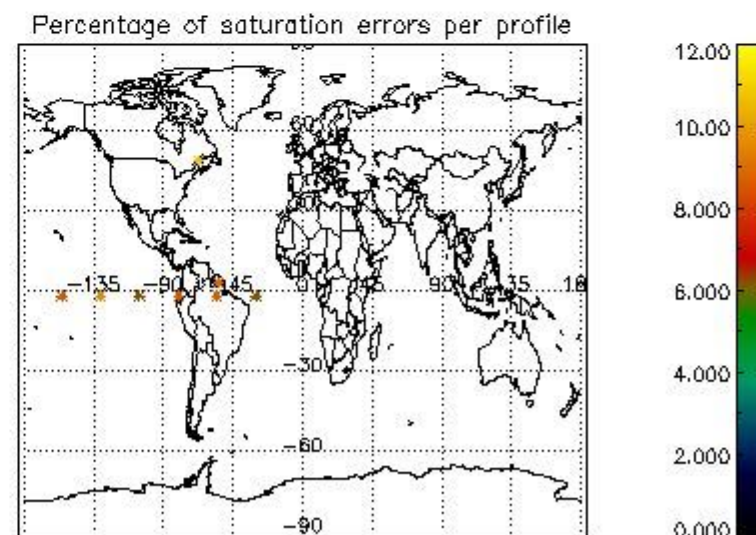
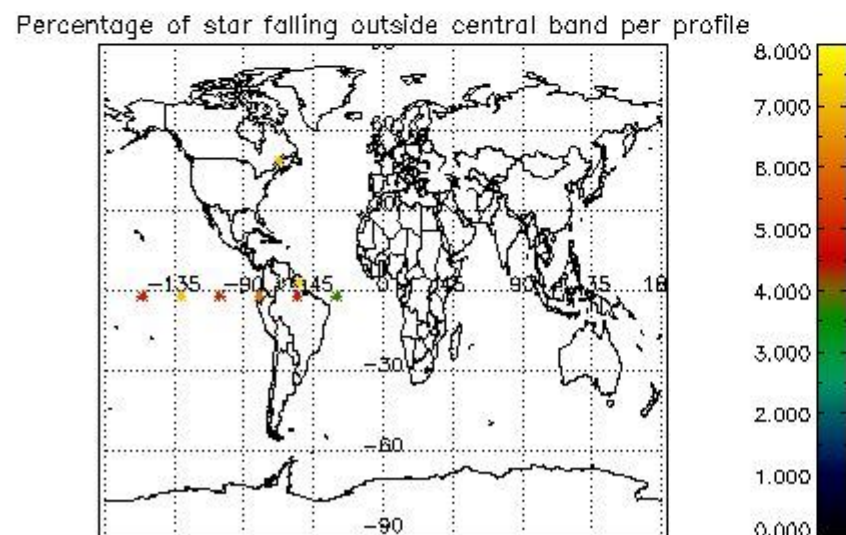
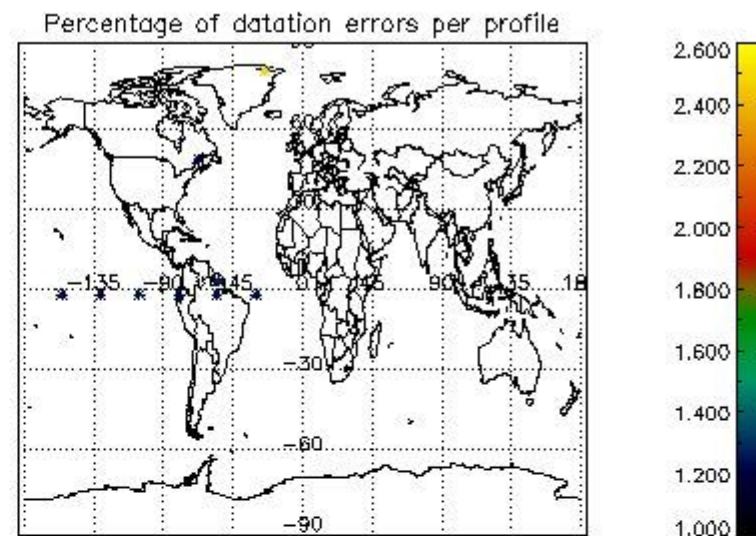
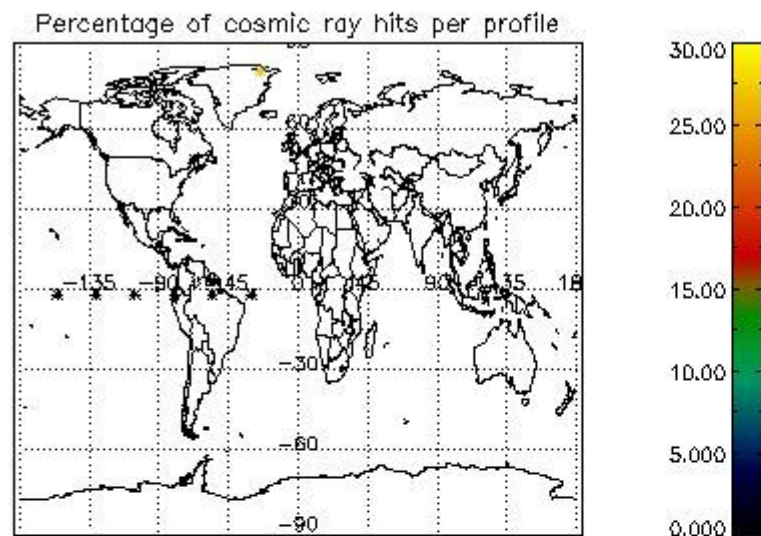
Percentage of star falling outside central band per profile



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.

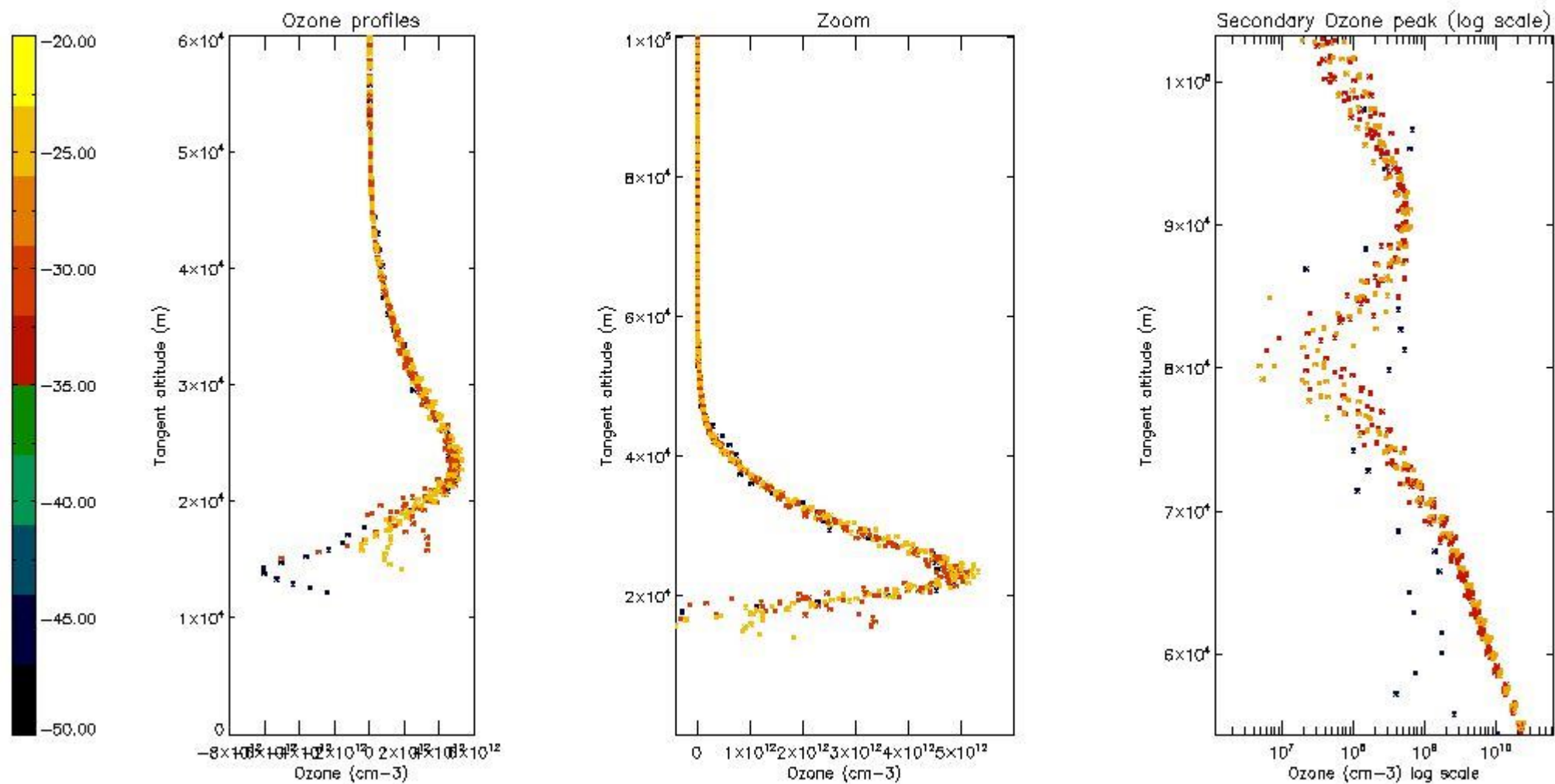
Criteria	% of total production
All STD	48
STD < 20	31



STD < 10	26
STD < 5	21

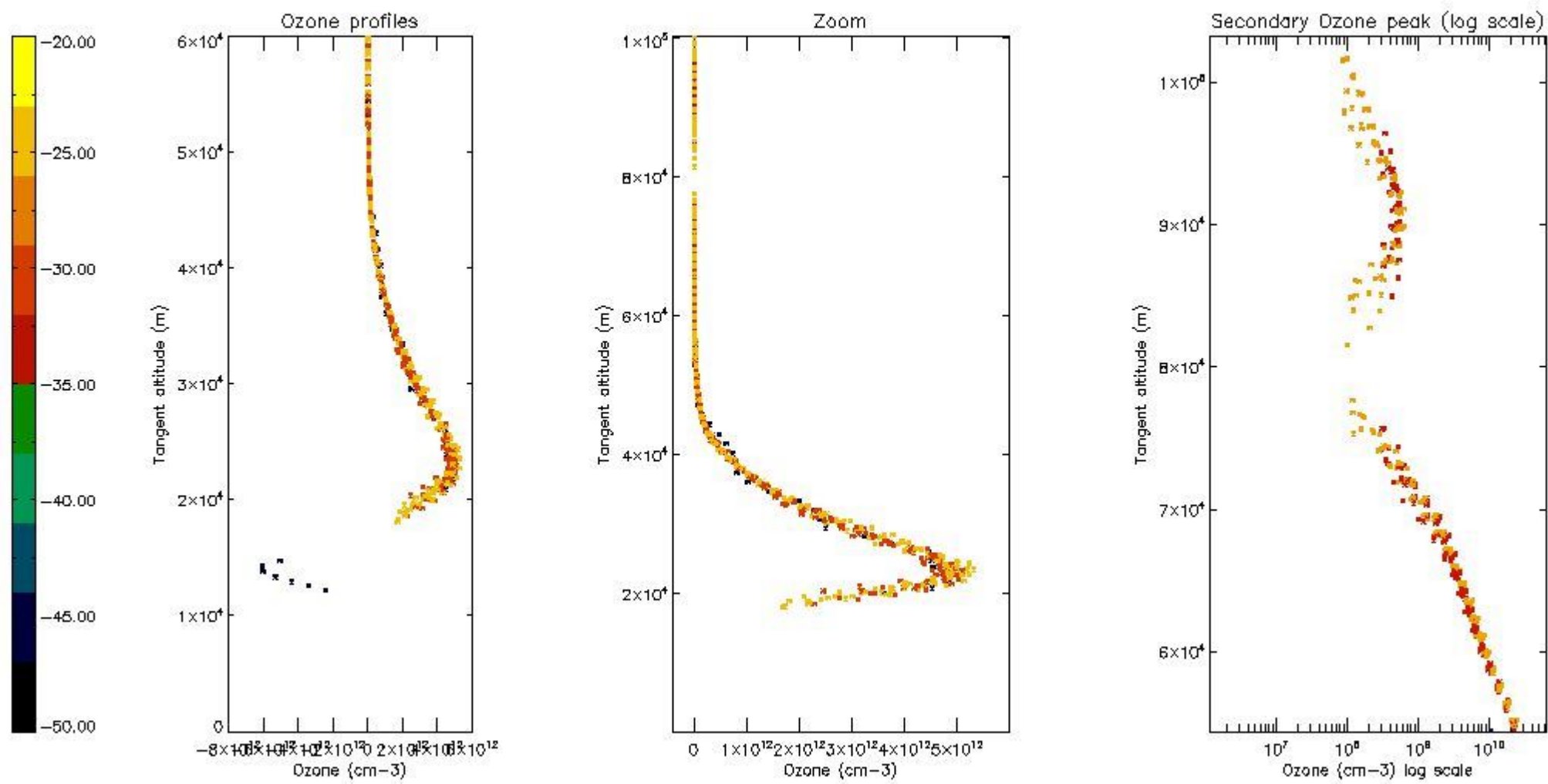
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



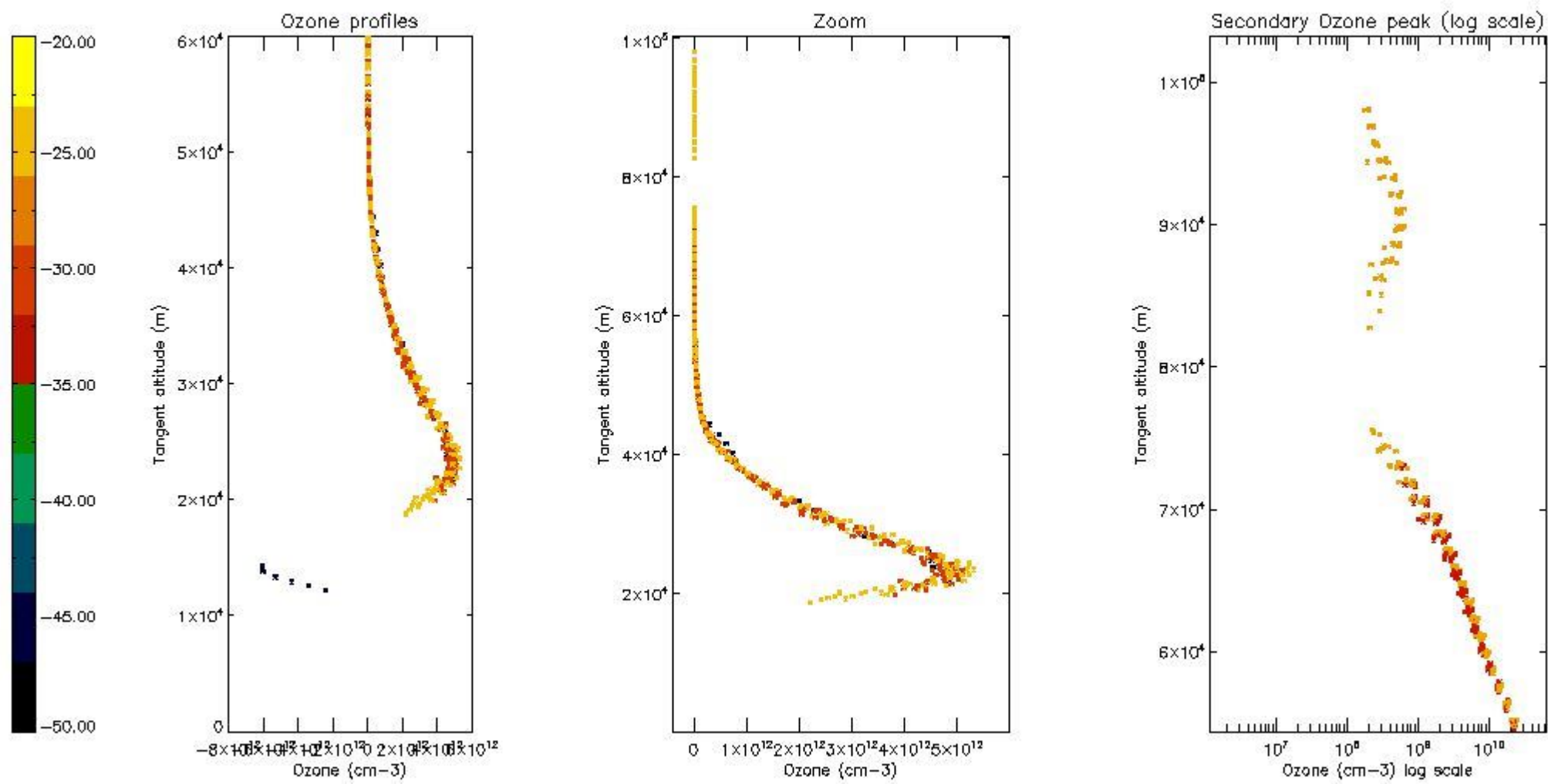
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



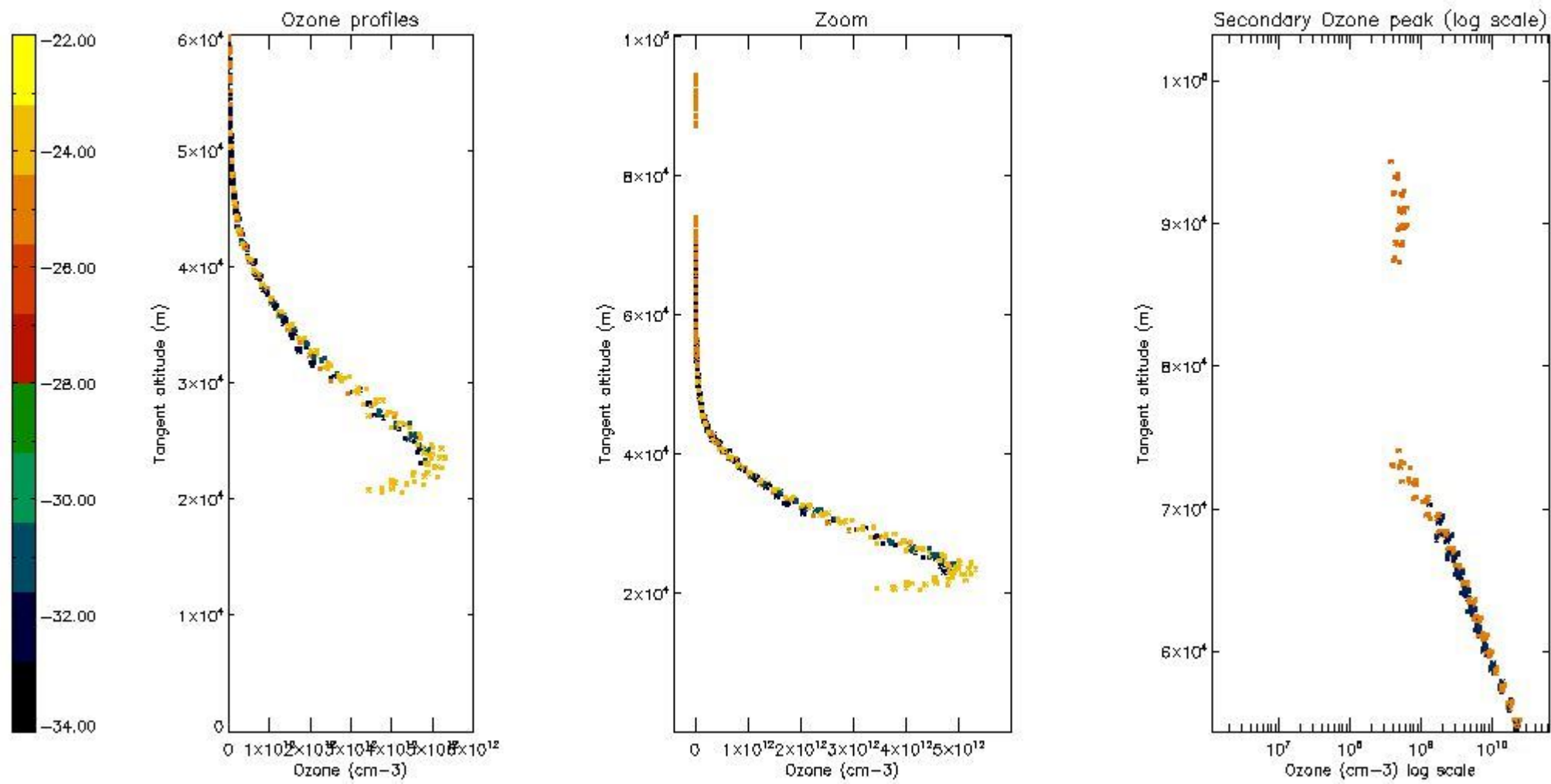
*5.4 Plot ozone profiles where  $STD < 10\%$  (dark without errors)*

The colorbar represents the latitude.



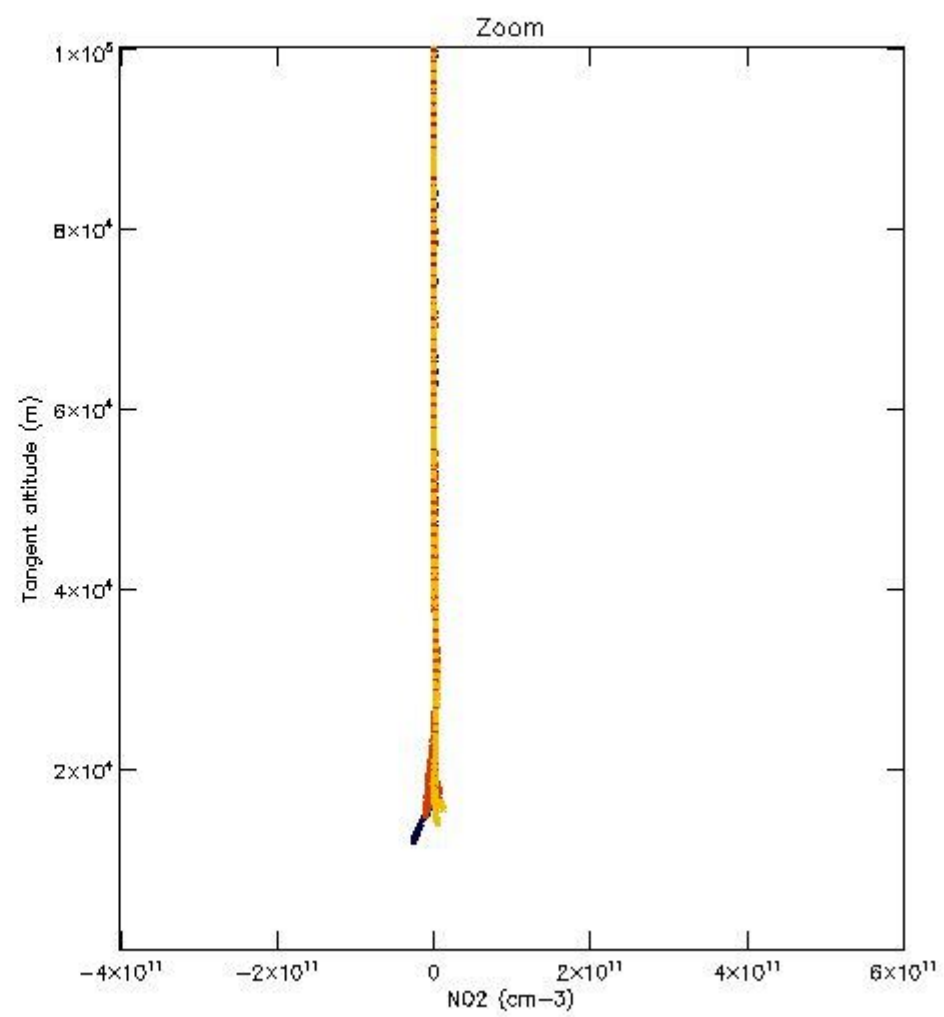
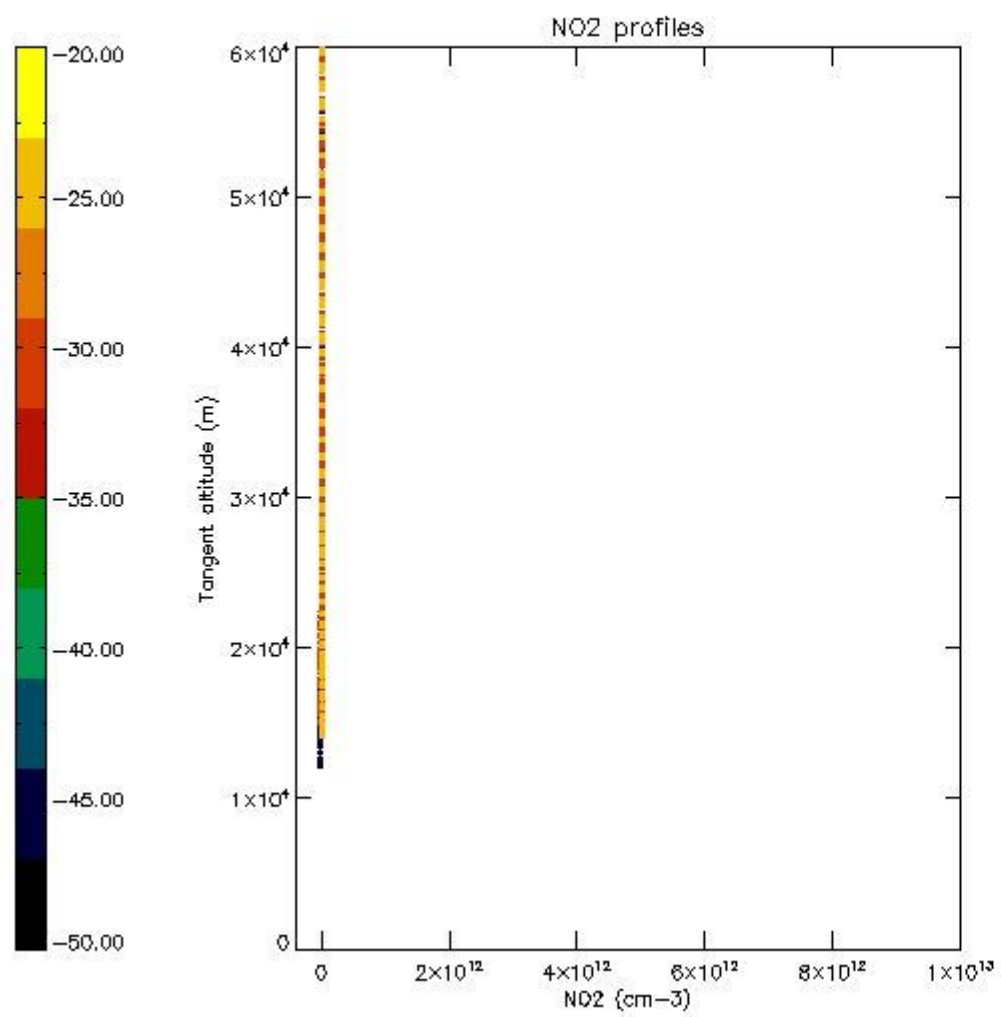
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



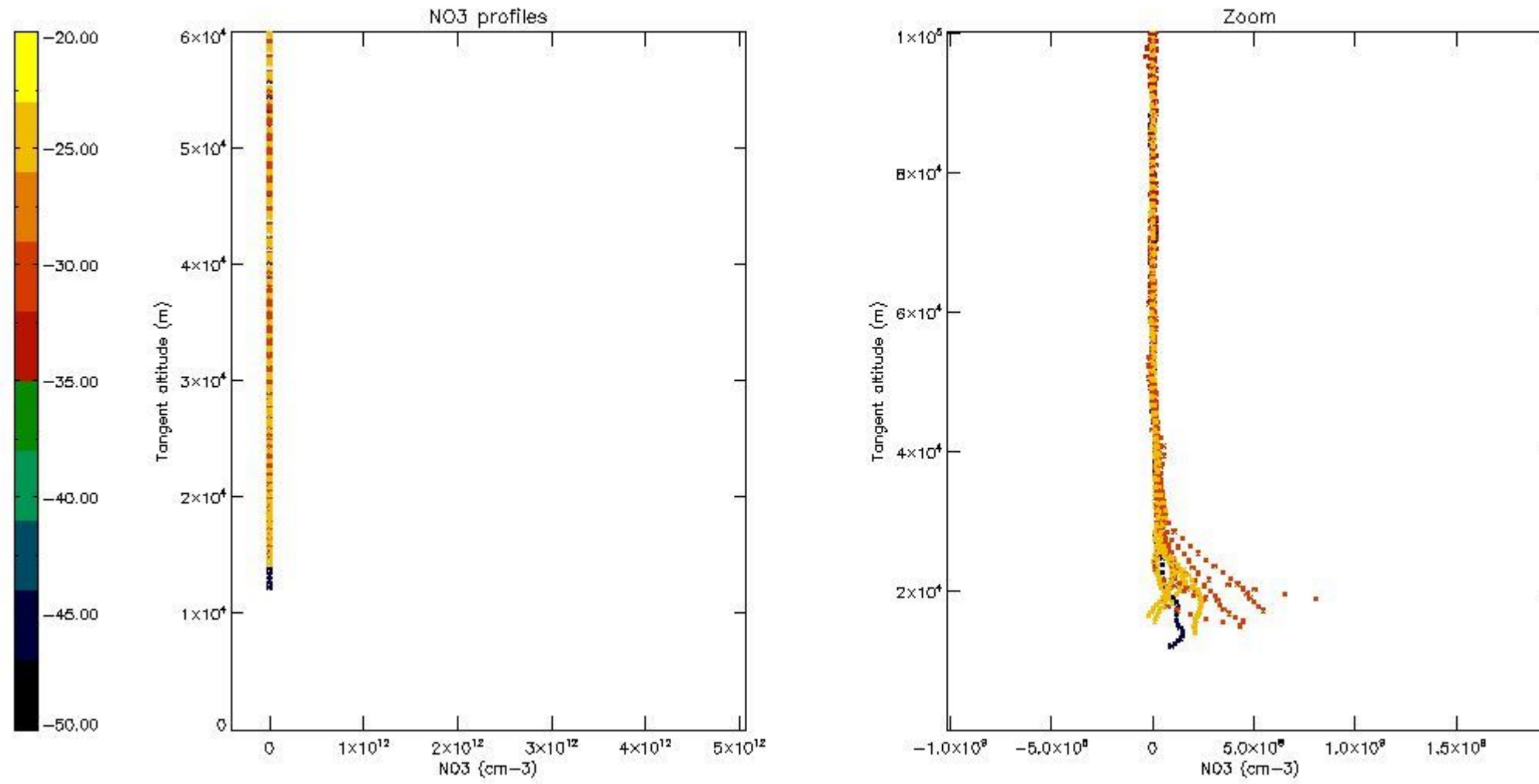
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

The colorbar represents the latitude.



## 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	26-SEP-2011 12:06:12
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	26-SEP-2011 12:06:12
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	26-SEP-2011 12:06:12

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### [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 \(dark without errors\)](#)

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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	24APR2013 17:51:38
Data source version	GOMOS/6.01
Start time of products	26-09-2011 (26SEP2011 00:00:00)
Stop time of products	27-09-2011 (27SEP2011 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	32
Nb of prods with errors	0

## 2. Summary of processed GOM\_NL\_\_2P products.

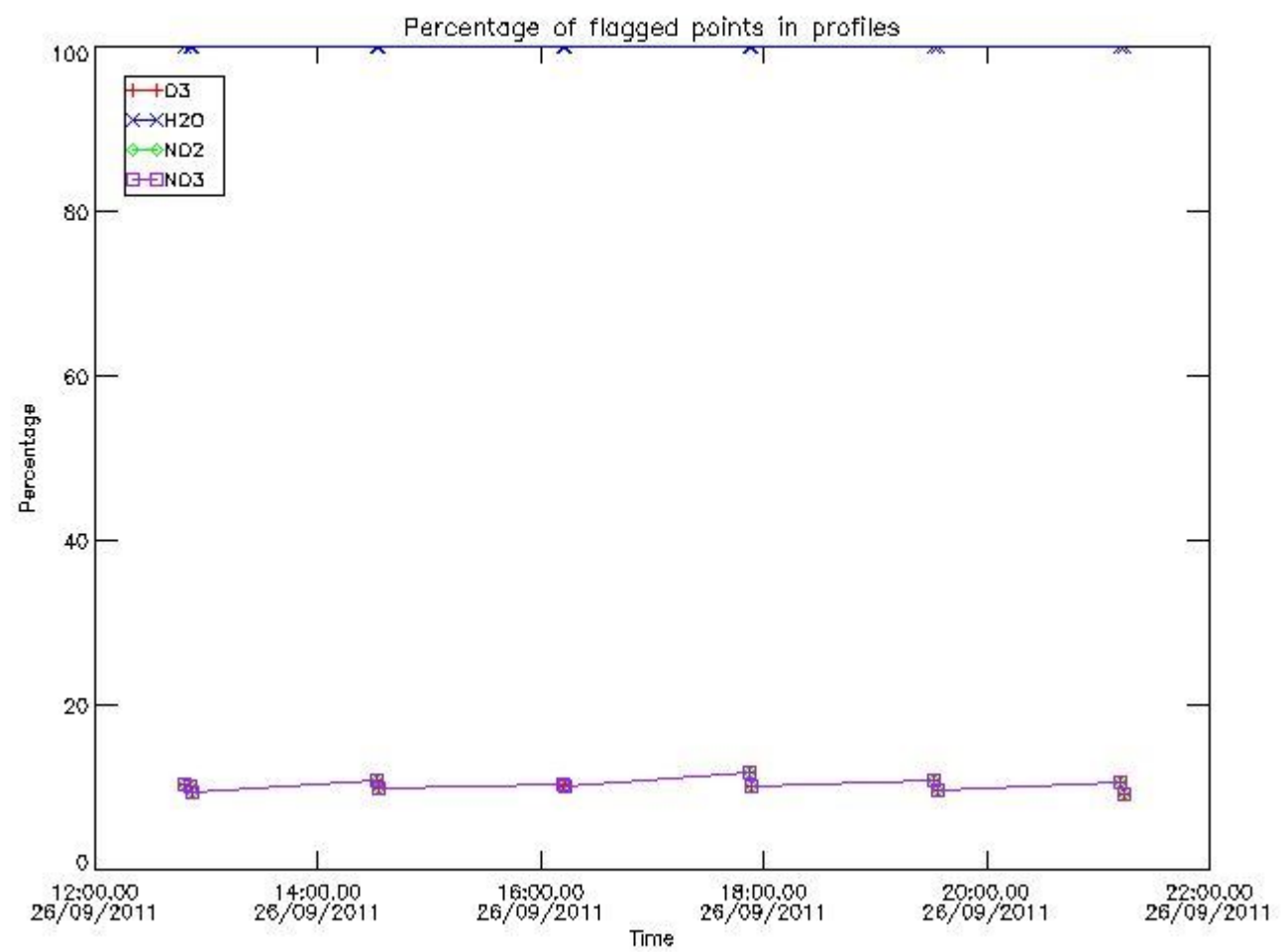
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20110926_120612_000000413107_00052_50066_9785.N1	26-SEP-2011 12:06:12	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	50066	No
2	GOM_NL__2PRFIN20110926_123141_000000443107_00052_50066_9786.N1	26-SEP-2011 12:31:41	Bright	44.000	17	78Bet Gem	1.1610	4500.0	88	50066	No
3	GOM_NL__2PRFIN20110926_124739_000000493107_00052_50066_9787.N1	26-SEP-2011 12:47:39	Dark	49.000	132	15Rho Pup	2.8030	6900.0	98	50066	No
4	GOM_NL__2PRFIN20110926_125103_000000503107_00052_50066_9788.N1	26-SEP-2011 12:51:03	Dark	50.000	88	31Eta CMa	2.4480	20000.	100	50066	No
5	GOM_NL__2PRFIN20110926_125237_000000543107_00052_50066_9789.N1	26-SEP-2011 12:52:37	Dark	53.500	23	21Eps CMa	1.5020	26000.	107	50066	No
6	GOM_NL__2PRFIN20110926_134459_000000403107_00053_50067_9831.N1	26-SEP-2011 13:44:59	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	50067	No
7	GOM_NL__2PRFIN20110926_134626_000000413107_00053_50067_9832.N1	26-SEP-2011 13:46:26	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	50067	No
8	GOM_NL__2PRFIN20110926_141155_000000443107_00053_50067_9833.N1	26-SEP-2011 14:11:55	Bright	44.000	17	78Bet Gem	1.1610	4500.0	88	50067	No
9	GOM_NL__2PRFIN20110926_143118_000000473107_00053_50067_9834.N1	26-SEP-2011 14:31:18	Dark	47.000	88	31Eta CMa	2.4480	20000.	94	50067	No
10	GOM_NL__2PRFIN20110926_143252_000000523107_00053_50067_9835.N1	26-SEP-2011 14:32:52	Dark	51.500	23	21Eps CMa	1.5020	26000.	103	50067	No
11	GOM_NL__2PRFIN20110926_145034_000000513107_00054_50068_9894.N1	26-SEP-2011 14:50:34	Straylight	51.000	157	The1Eri	2.9060	9300.0	102	50068	No
12	GOM_NL__2PRFIN20110926_151228_000000423107_00054_50068_9895.N1	26-SEP-2011 15:12:28	Bright	42.000	140	88Gam Peg	2.8340	26000.	84	50068	No
13	GOM_NL__2PRFIN20110926_152639_000000413107_00054_50068_9896.N1	26-SEP-2011 15:26:39	Bright	41.000	76	27Gam Cas	2.3000	30000.	82	50068	No
14	GOM_NL__2PRFIN20110926_155209_000000353107_00054_50068_9897.N1	26-SEP-2011 15:52:09	Twilight	35.000	17	78Bet Gem	1.1610	4500.0	70	50068	No
15	GOM_NL__2PRFIN20110926_161133_000000503107_00054_50068_9898.N1	26-SEP-2011 16:11:33	Dark	49.500	88	31Eta CMa	2.4480	20000.	99	50068	No
16	GOM_NL__2PRFIN20110926_161307_000000503107_00054_50068_9899.N1	26-SEP-2011 16:13:07	Dark	50.000	23	21Eps CMa	1.5020	26000.	100	50068	No
17	GOM_NL__2PRFIN20110926_163049_000000493107_00055_50069_9943.N1	26-SEP-2011 16:30:49	Straylight	49.000	157	The1Eri	2.9060	9300.0	98	50069	No
18	GOM_NL__2PRFIN20110926_164159_000000203107_00055_50069_9944.N1	26-SEP-2011 16:41:59	Twilight	20.000	52	16Bet Cet	2.0370	4500.0	40	50069	No
19	GOM_NL__2PRFIN20110926_170653_000000403107_00055_50069_9945.N1	26-SEP-2011 17:06:53	Bright	40.000	76	27Gam Cas	2.3000	30000.	80	50069	No
20	GOM_NL__2PRFIN20110926_173223_000000353107_00055_50069_9946.N1	26-SEP-2011 17:32:23	Twilight	35.000	17	78Bet Gem	1.1610	4500.0	70	50069	No
21	GOM_NL__2PRFIN20110926_175148_000000473107_00055_50069_9947.N1	26-SEP-2011 17:51:48	Dark	47.000	88	31Eta CMa	2.4480	20000.	94	50069	No
22	GOM_NL__2PRFIN20110926_175322_000000513107_00055_50069_9948.N1	26-SEP-2011 17:53:22	Dark	50.500	23	21Eps CMa	1.5020	26000.	101	50069	No
23	GOM_NL__2PRFIN20110926_181104_000000503107_00056_50070_9980.N1	26-SEP-2011 18:11:04	Straylight	50.000	157	The1Eri	2.9060	9300.0	100	50070	No
24	GOM_NL__2PRFIN20110926_184706_000000423107_00056_50070_9981.N1	26-SEP-2011 18:47:06	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	50070	No
25	GOM_NL__2PRFIN20110926_191237_000000273107_00056_50070_9982.N1	26-SEP-2011 19:12:37	Twilight	27.000	17	78Bet Gem	1.1610	4500.0	54	50070	No
26	GOM_NL__2PRFIN20110926_193203_000000473107_00056_50070_9983.N1	26-SEP-2011 19:32:03	Dark	47.000	88	31Eta CMa	2.4480	20000.	94	50070	No
27	GOM_NL__2PRFIN20110926_193337_000000543107_00056_50070_9984.N1	26-SEP-2011 19:33:37	Dark	53.500	23	21Eps CMa	1.5020	26000.	107	50070	No
28	GOM_NL__2PRFIN20110926_195118_000000513107_00057_50071_0014.N1	26-SEP-2011 19:51:18	Straylight	51.000	157	The1Eri	2.9060	9300.0	102	50071	No
29	GOM_NL__2PRFIN20110926_202720_000000413107_00057_50071_0015.N1	26-SEP-2011 20:27:20	Bright	41.000	76	27Gam Cas	2.3000	30000.	82	50071	No
30	GOM_NL__2PRFIN20110926_205252_000000273107_00057_50071_0016.N1	26-SEP-2011 20:52:52	Twilight	26.500	17	78Bet Gem	1.1610	4500.0	53	50071	No
31	GOM_NL__2PRFIN20110926_211218_000000493107_00057_50071_0017.N1	26-SEP-2011 21:12:18	Dark	48.500	88	31Eta CMa	2.4480	20000.	97	50071	No
32	GOM_NL__2PRFIN20110926_211352_000000563107_00057_50071_0018.N1	26-SEP-2011 21:13:52	Dark	55.500	23	21Eps CMa	1.5020	26000.	111	50071	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.

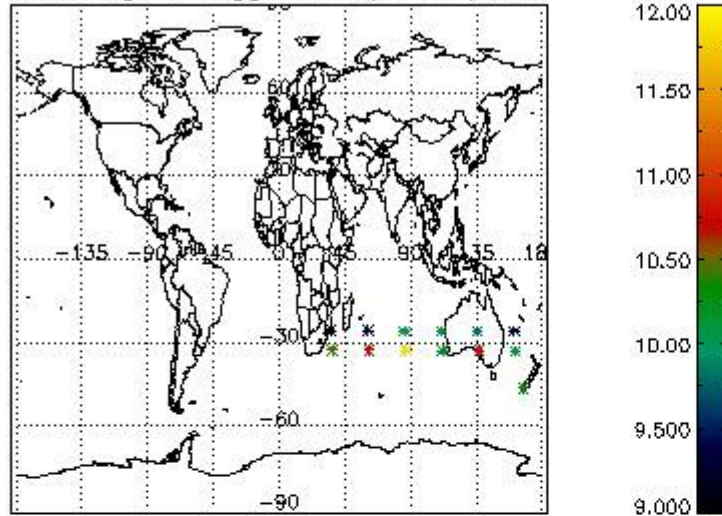
### 3.1 Plot quality information per product (time dependant)



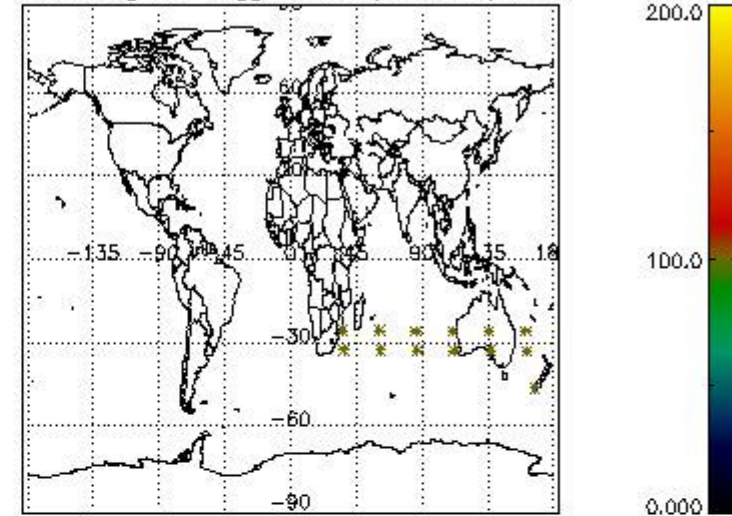


*3.2 Plot quality information per product (world map)*

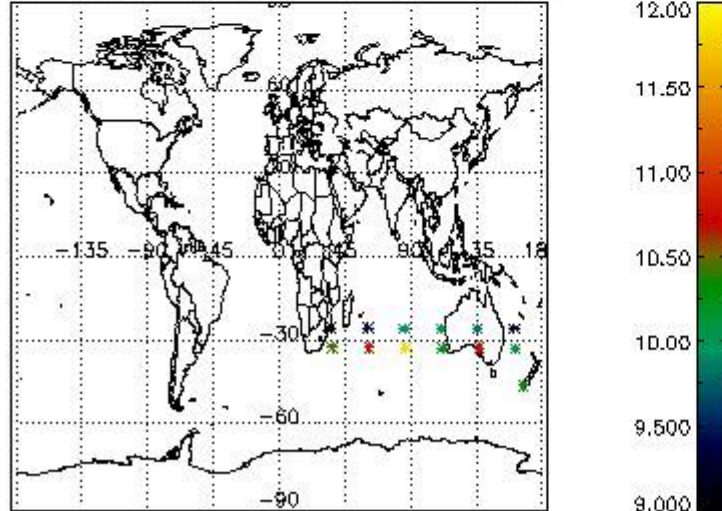
Percentage of flagged data per O3 profile



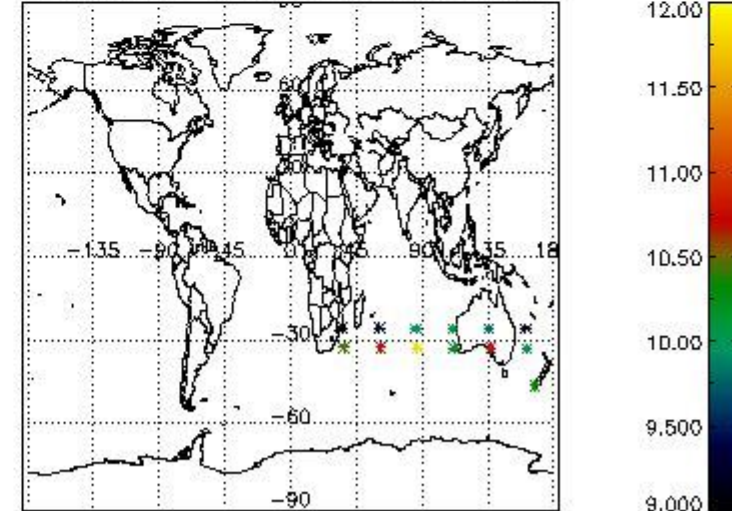
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

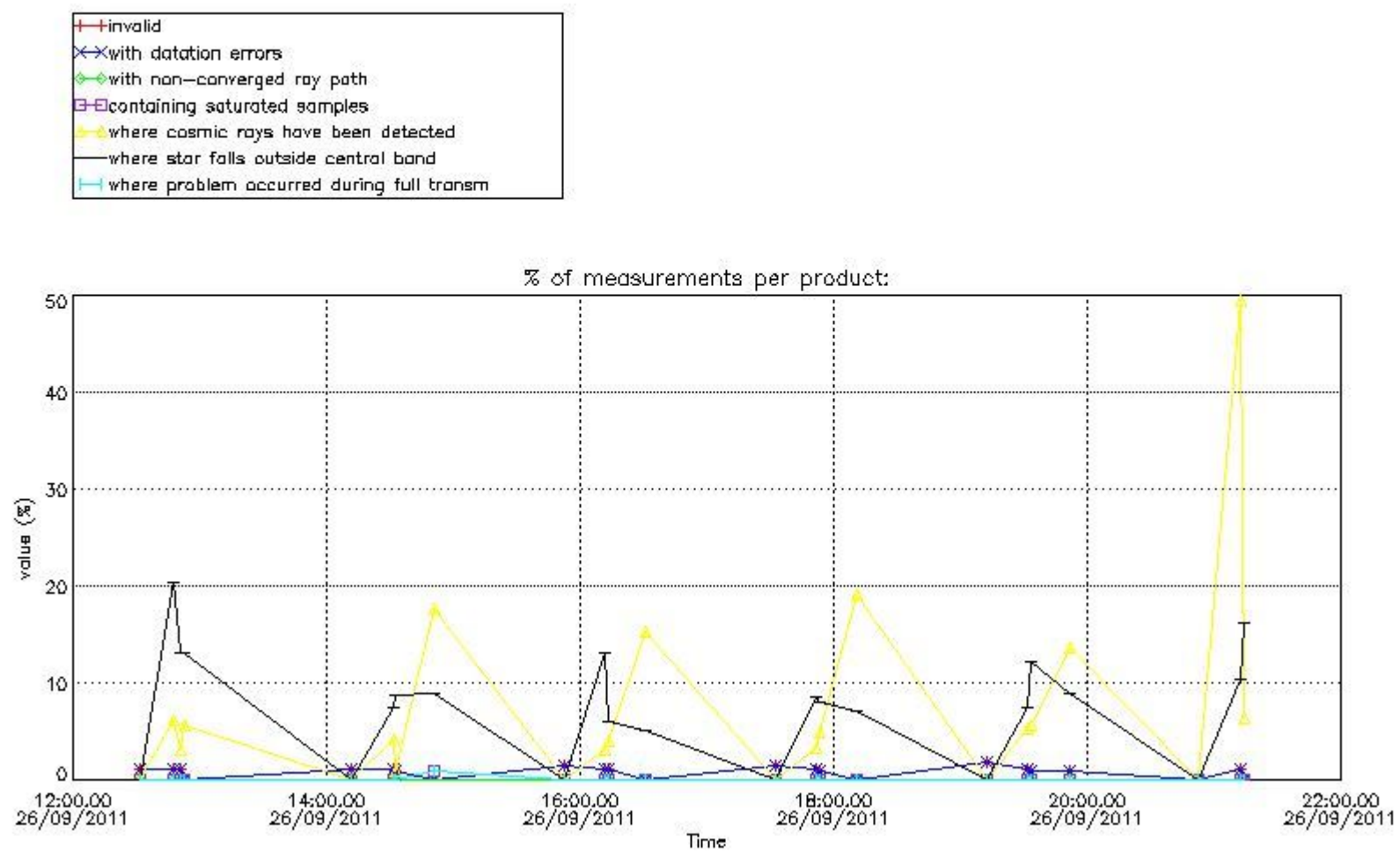


#### 4. Level 1 quality information per product

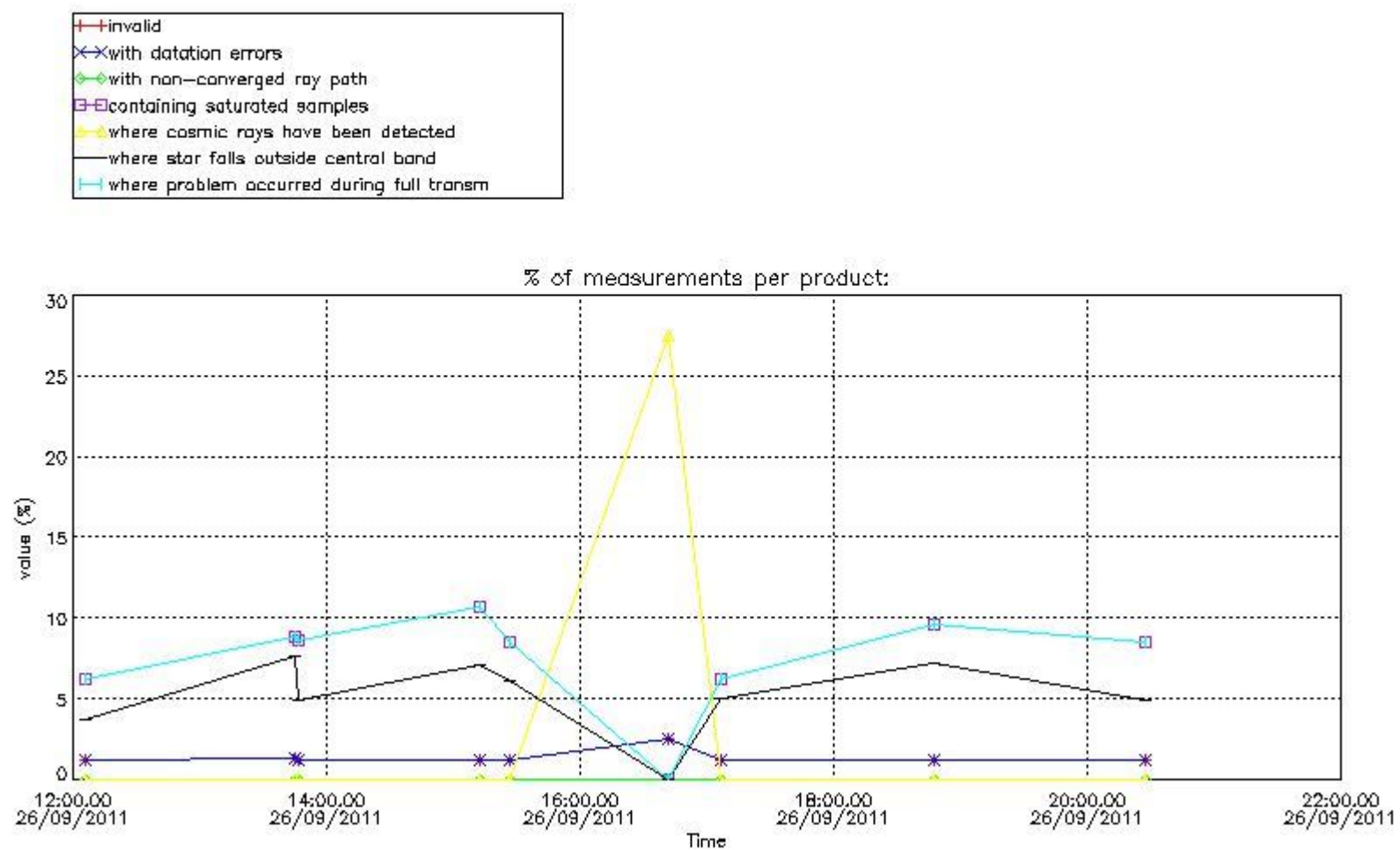
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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

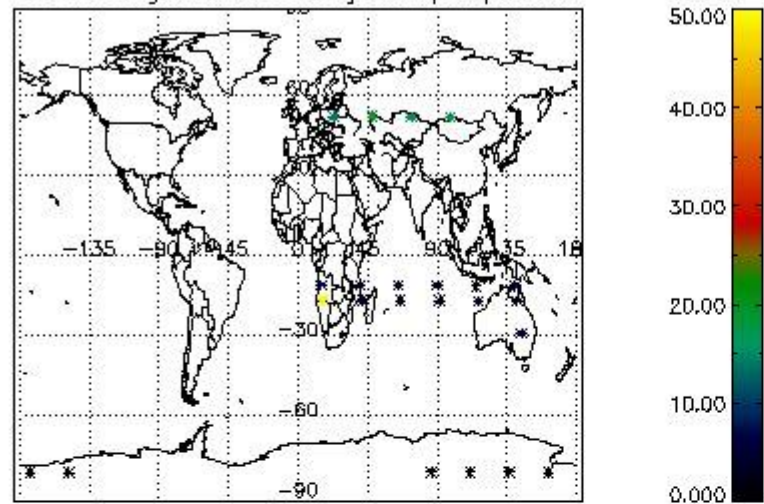


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

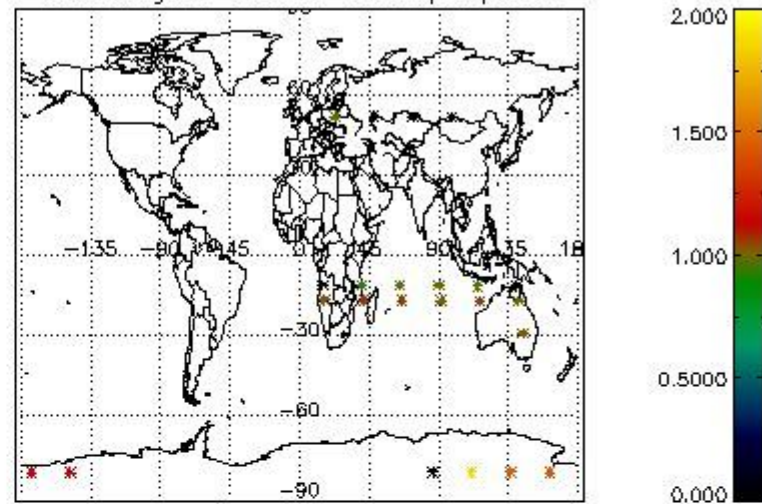


4.2 Plot quality information per product coming from level 1b processing (world map)  
 4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes

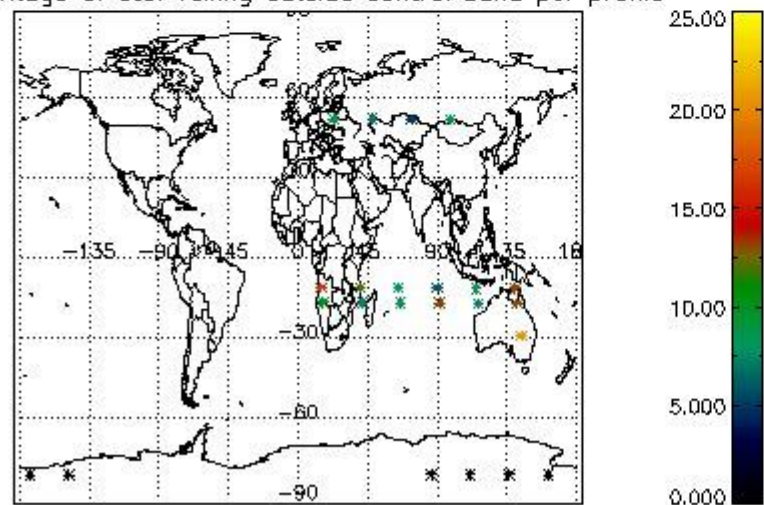
Percentage of cosmic ray hits per profile



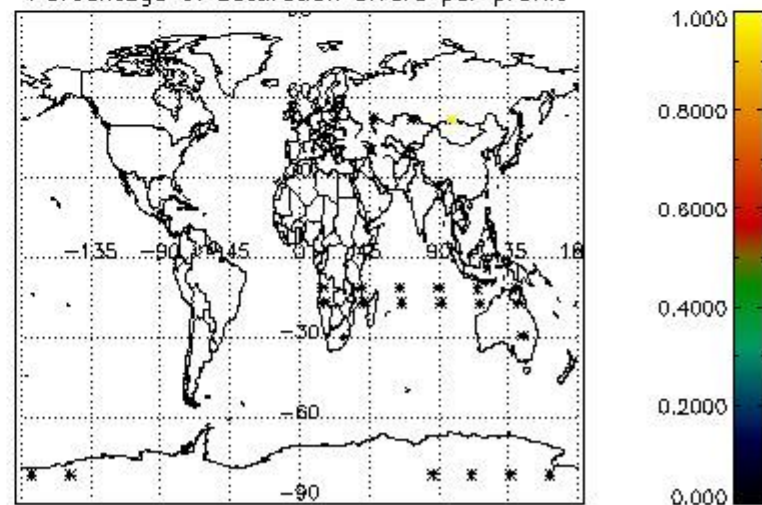
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

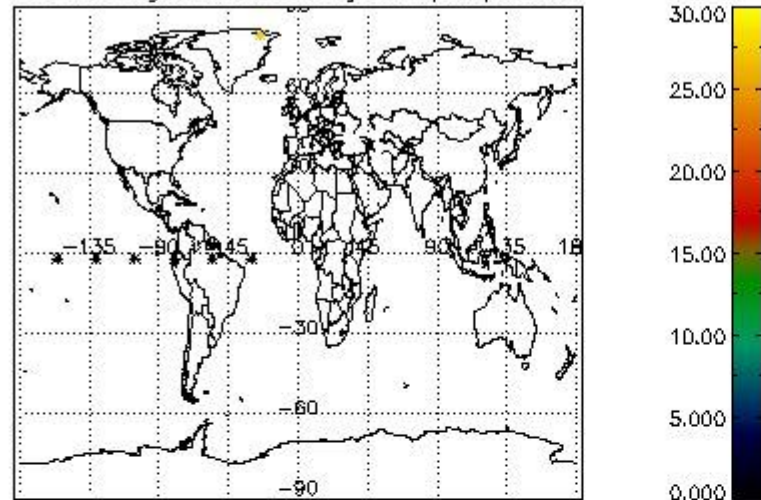


Percentage of saturation errors per profile

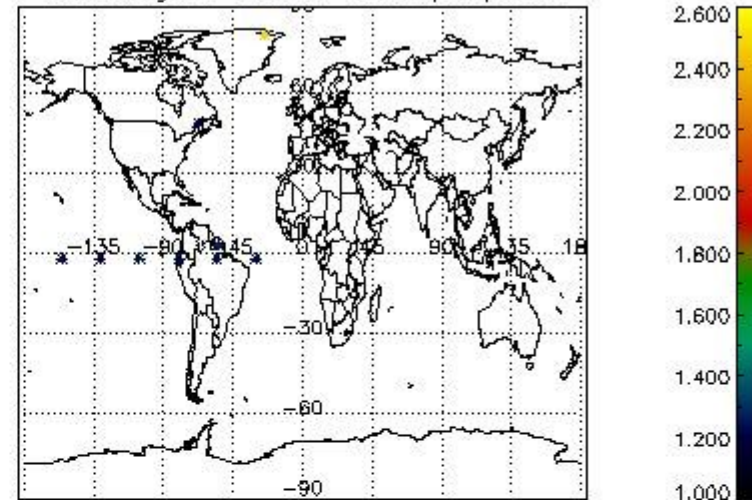


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

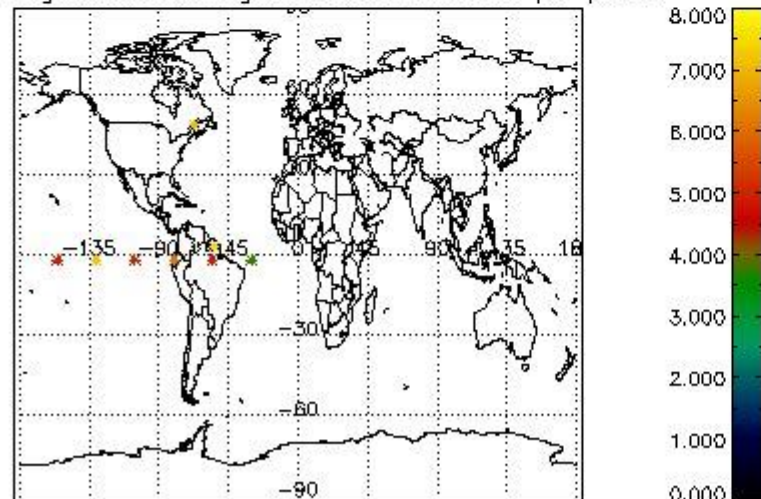
Percentage of cosmic ray hits per profile



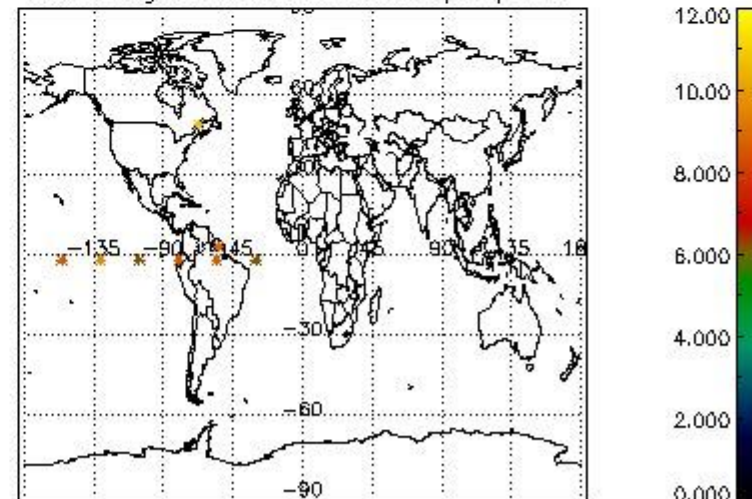
Percentage of datation errors per profile



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

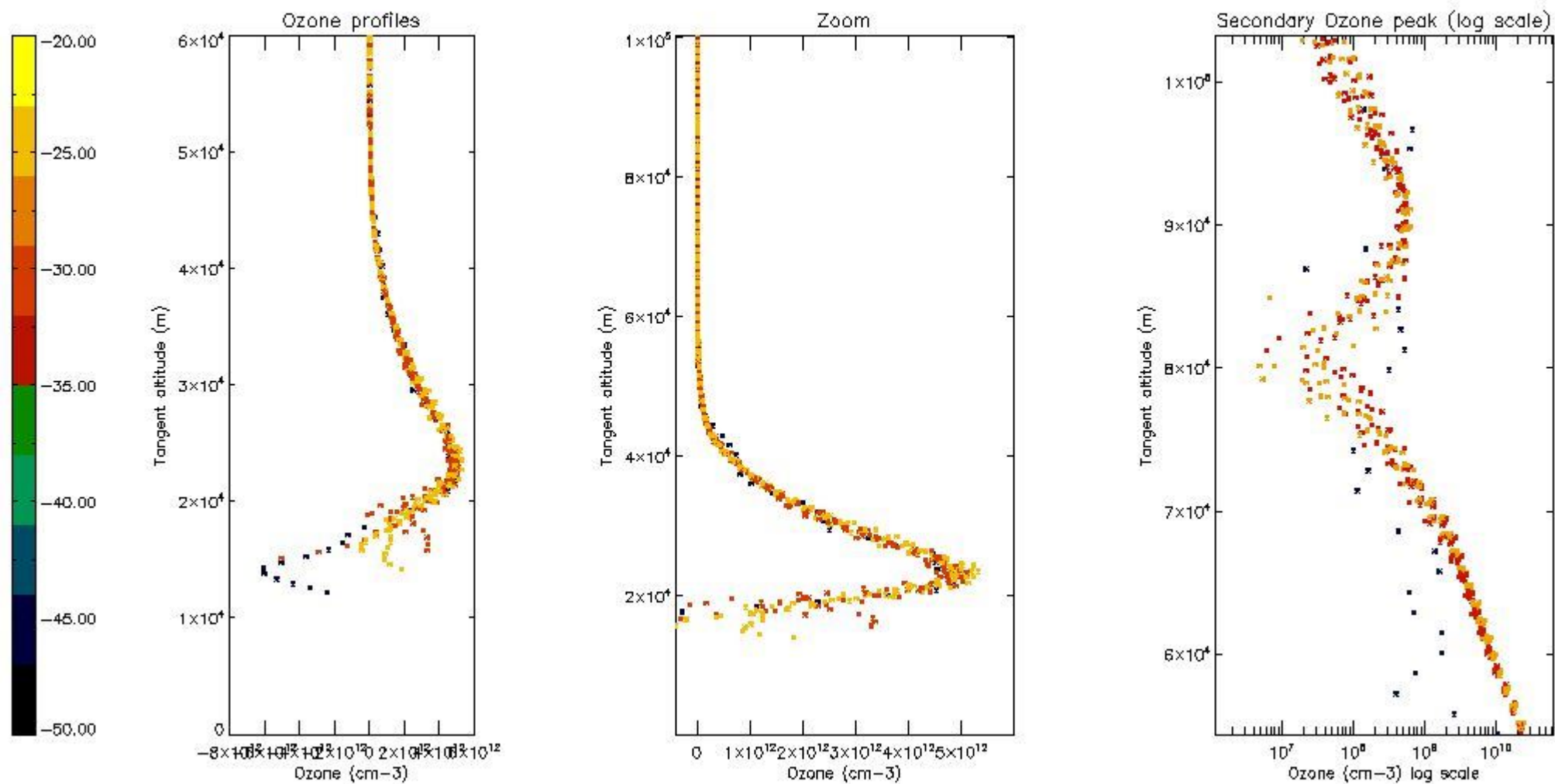
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	48
STD < 20	31

STD < 10	26
STD < 5	21

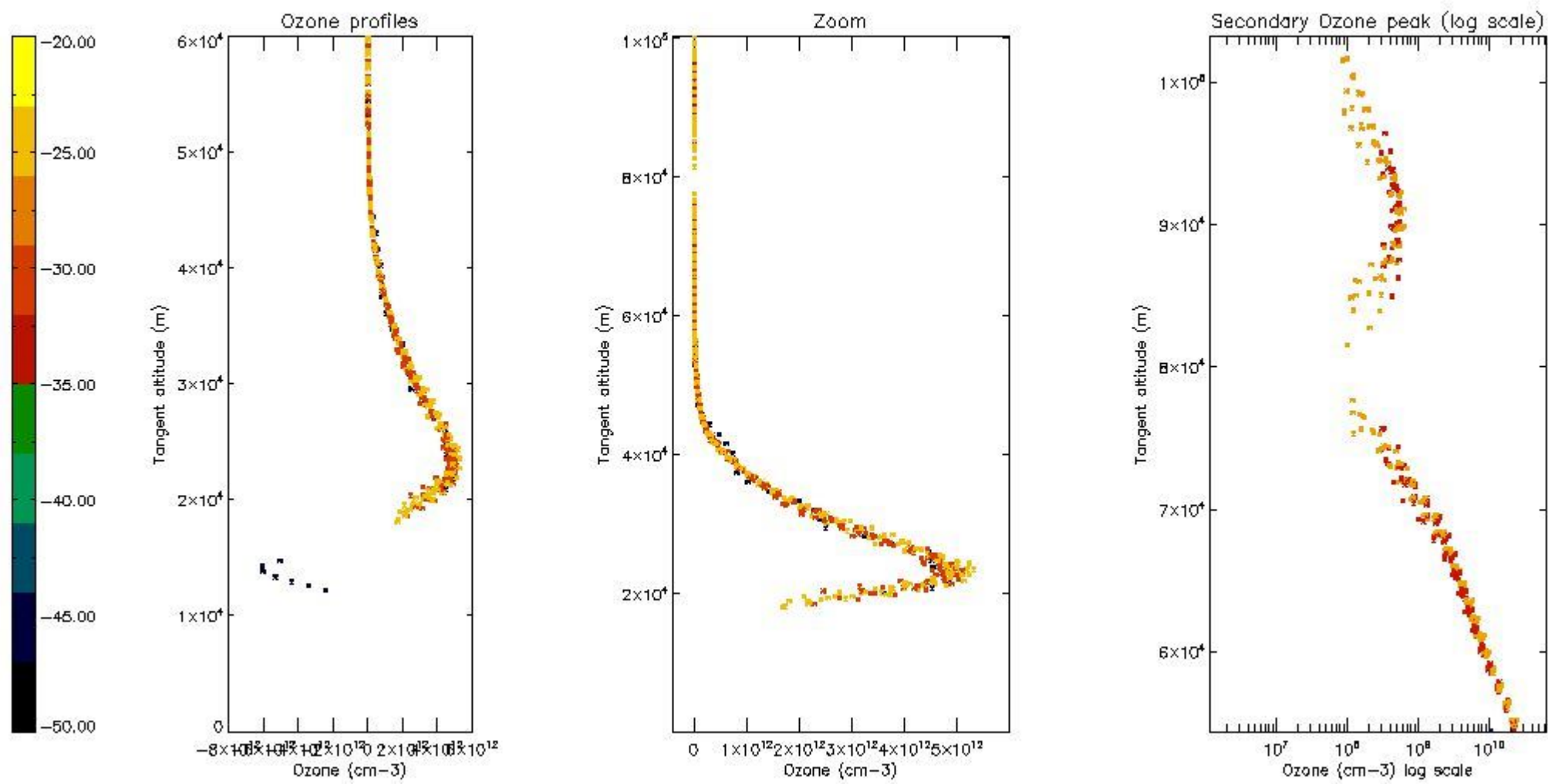
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

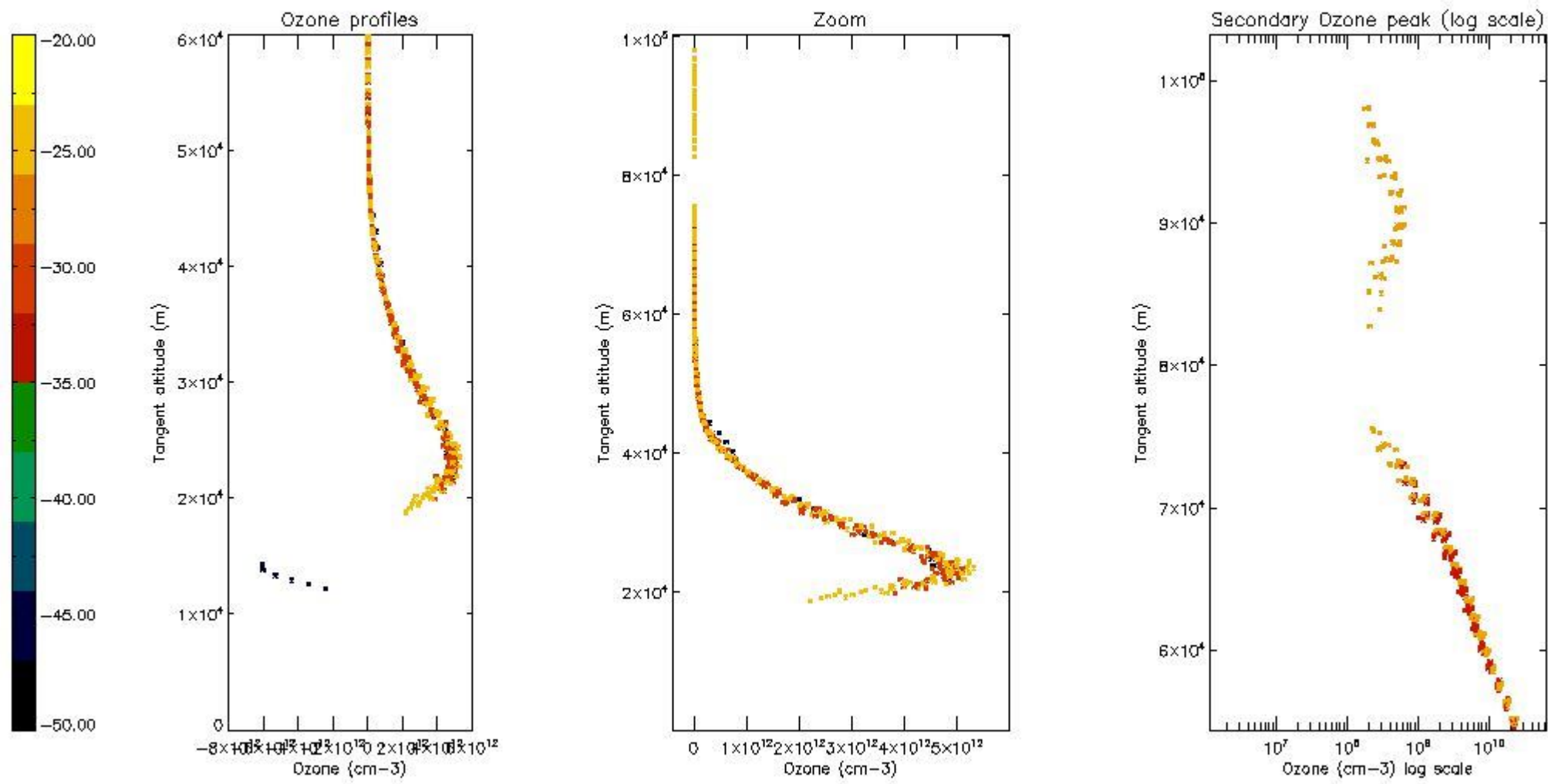
The colorbar represents the latitude.



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

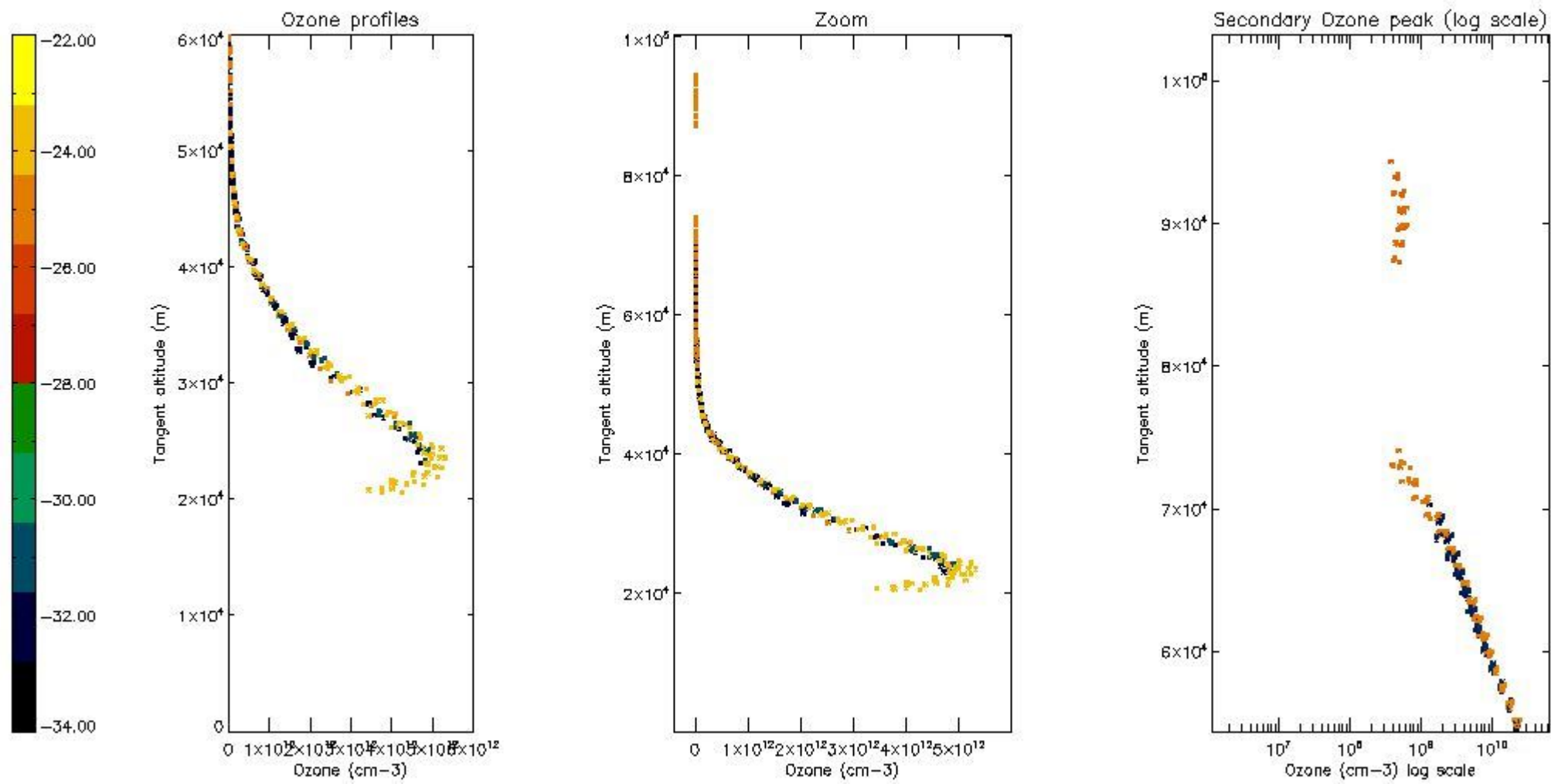
The colorbar represents the latitude.





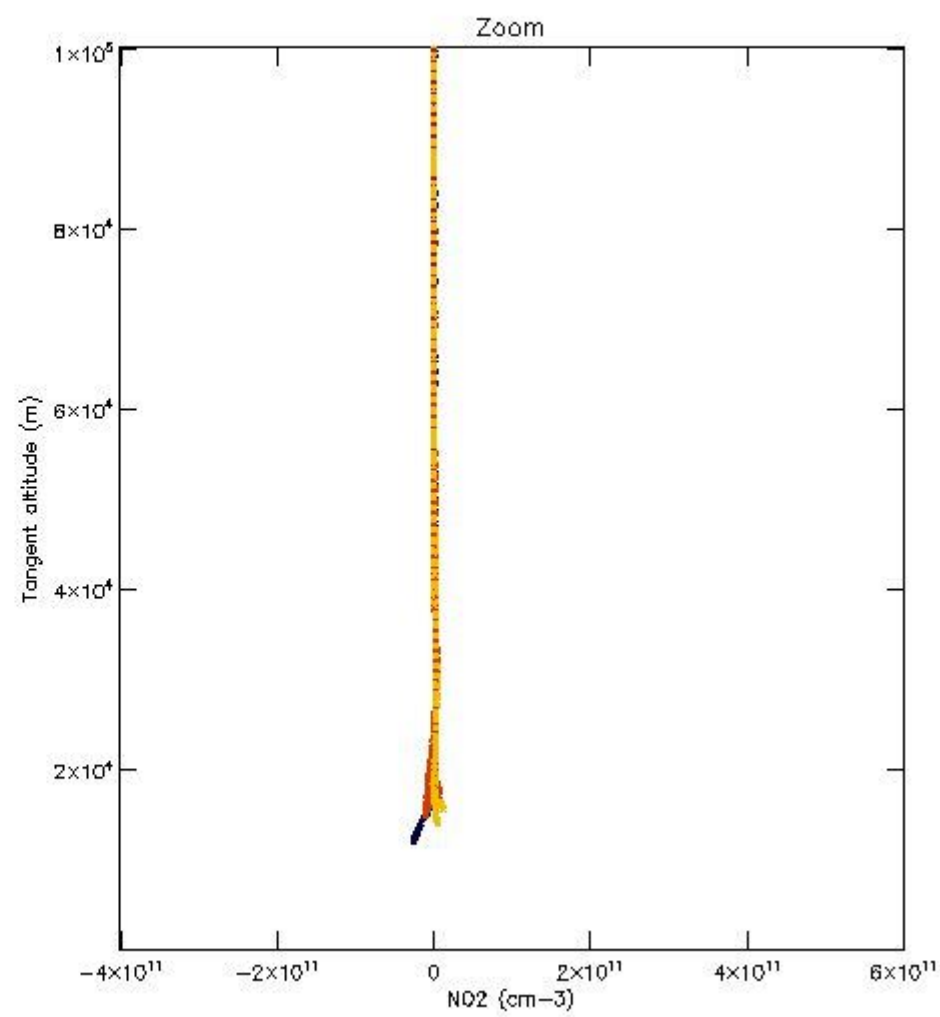
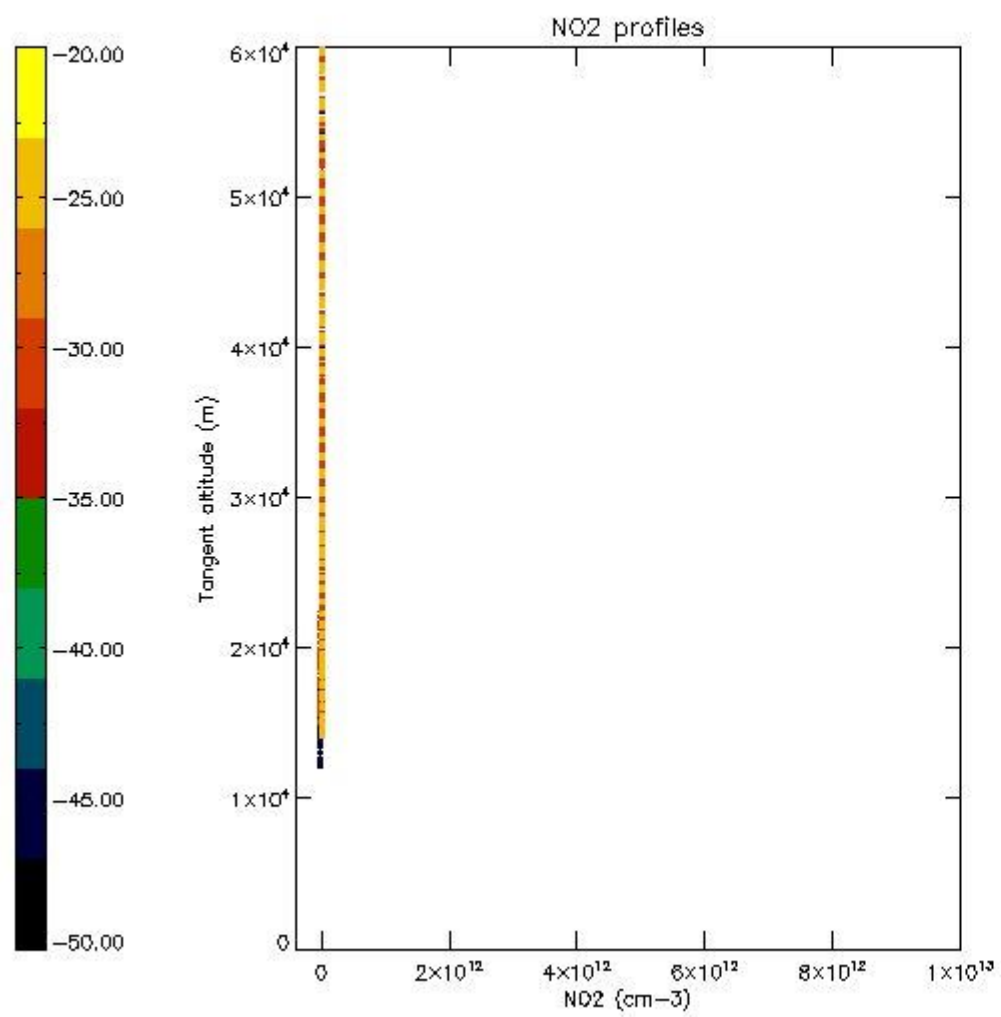
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



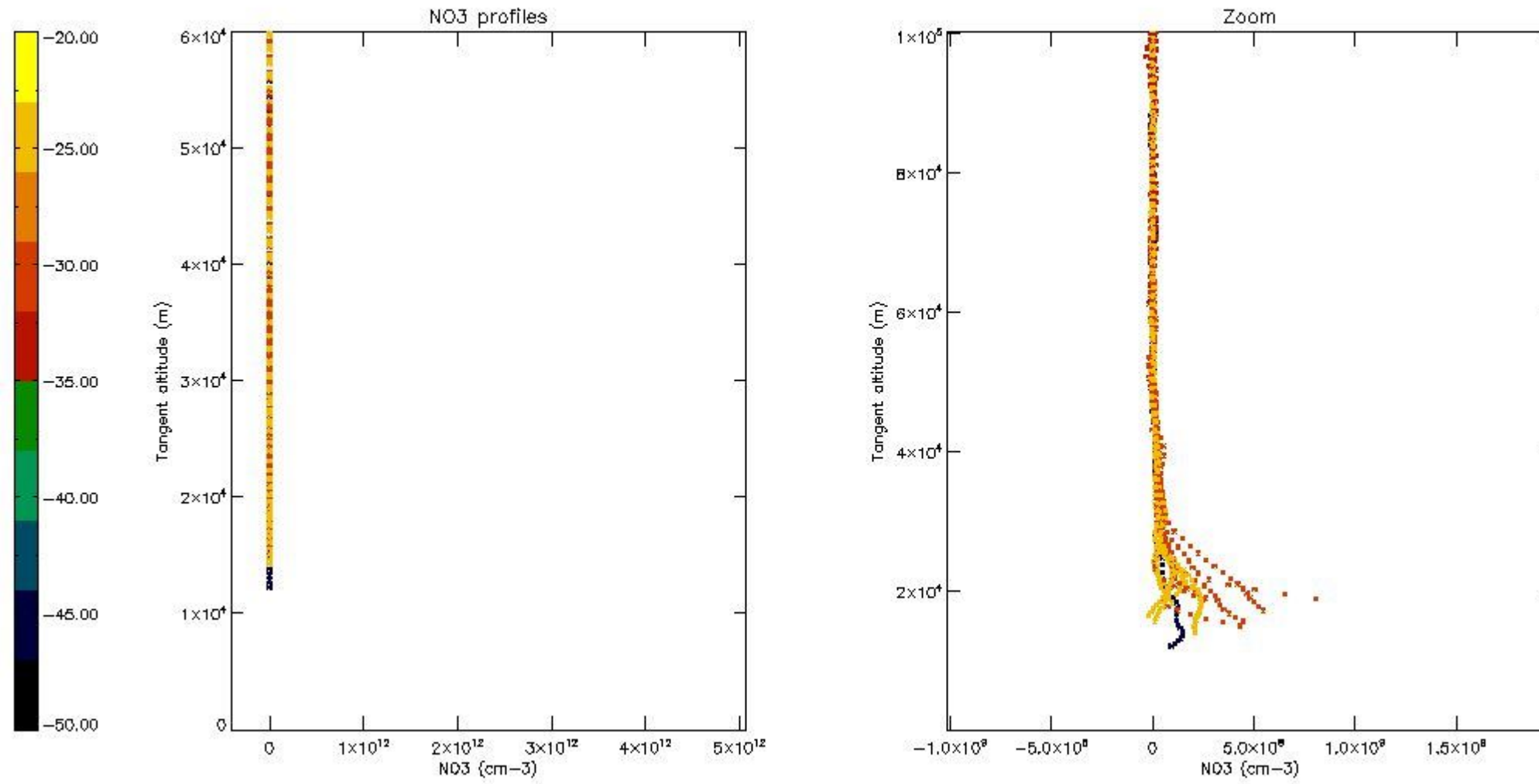
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

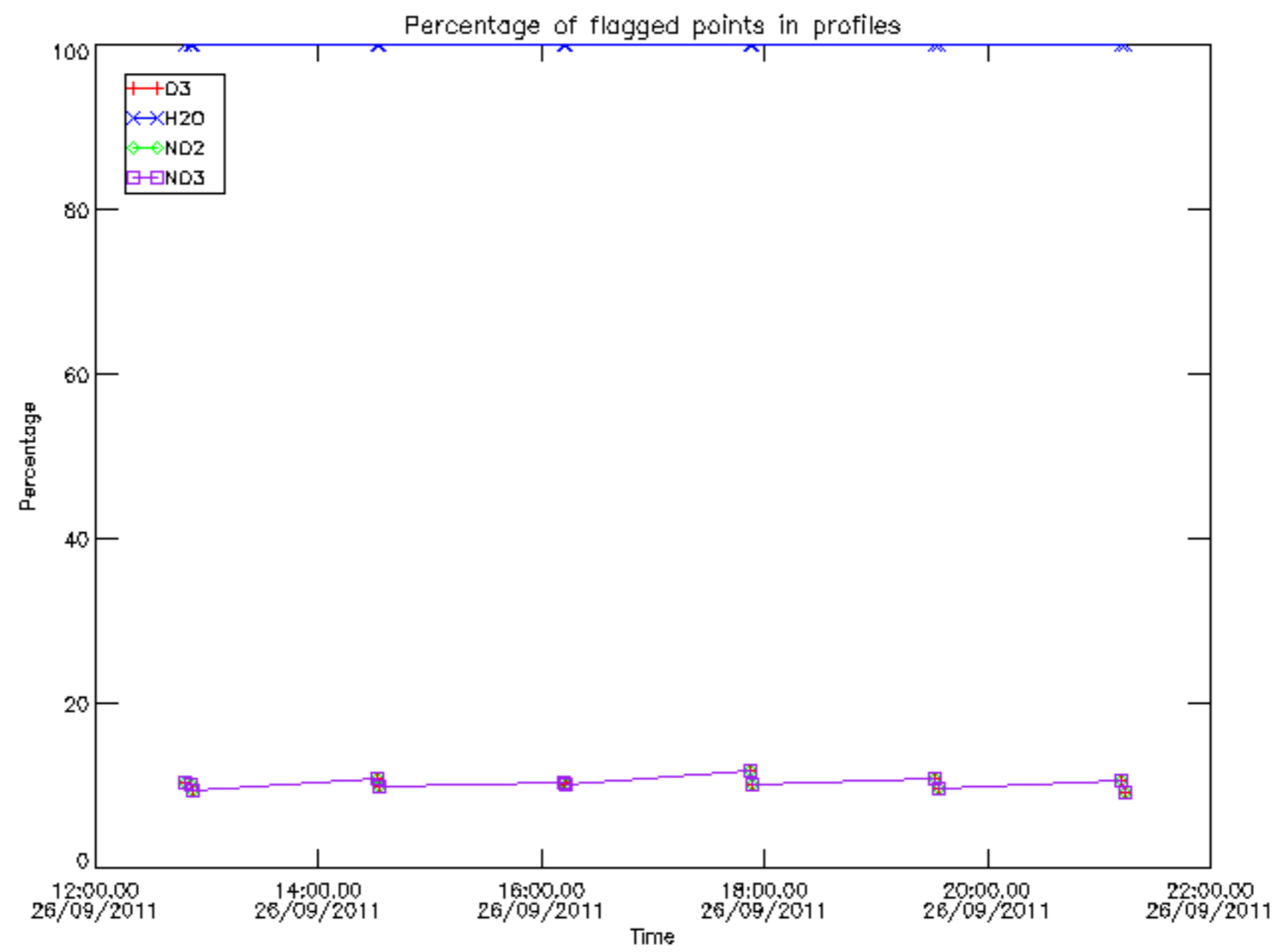
The colorbar represents the latitude.



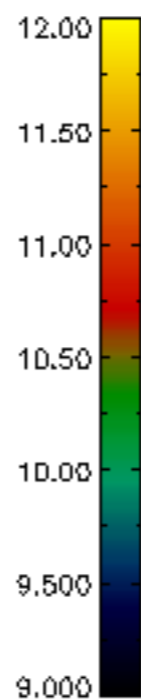
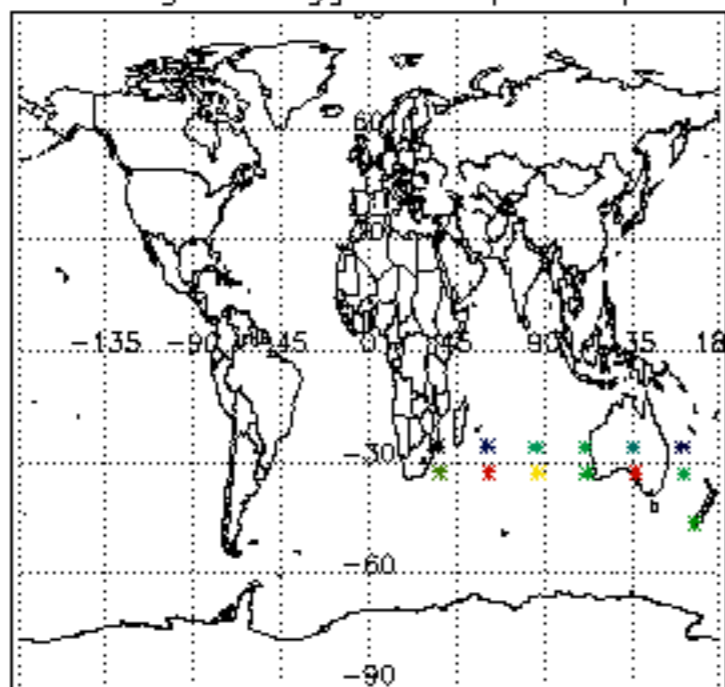
## 6. Auxiliary Data Files used for the production reported in section 2

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.

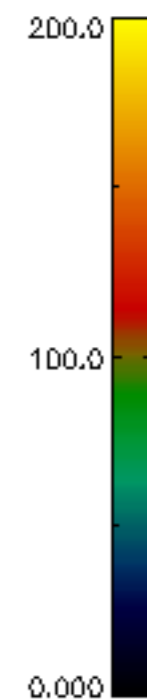
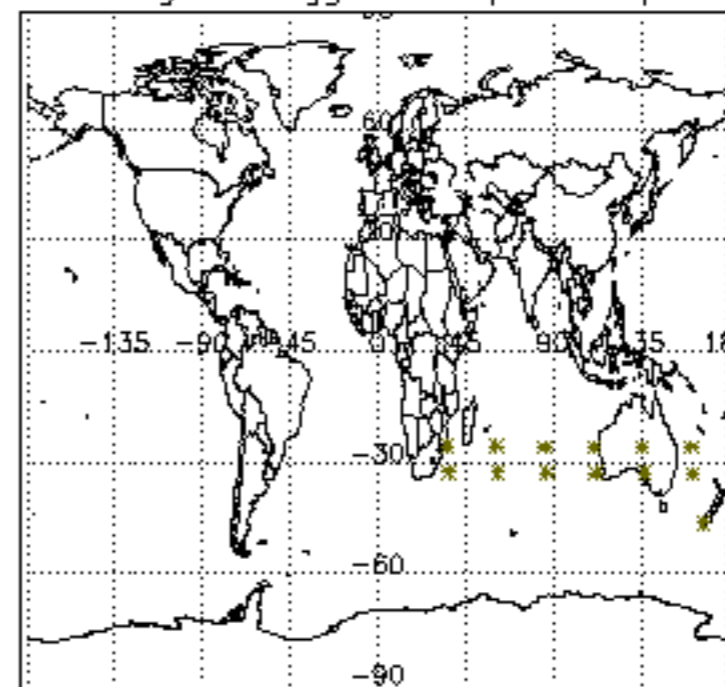
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	26-SEP-2011 12:06:12
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	26-SEP-2011 12:06:12
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	26-SEP-2011 12:06:12



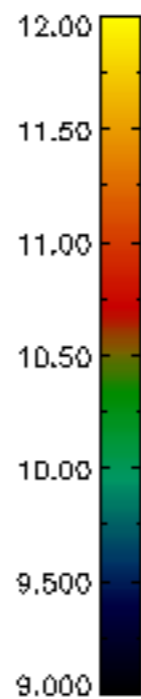
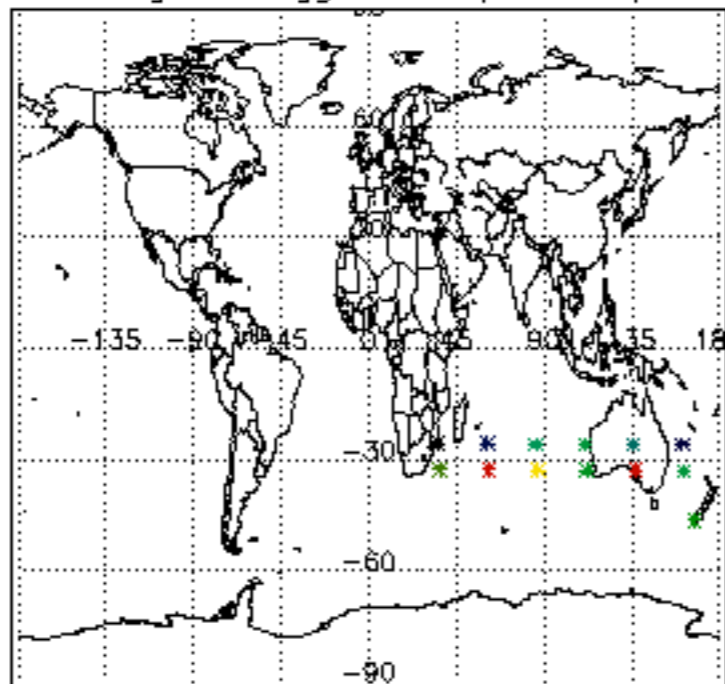
Percentage of flagged data per D3 profile



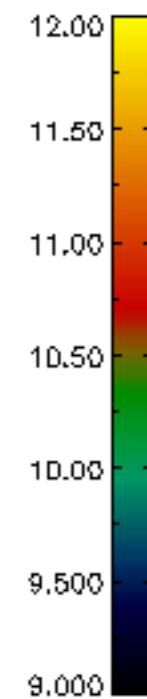
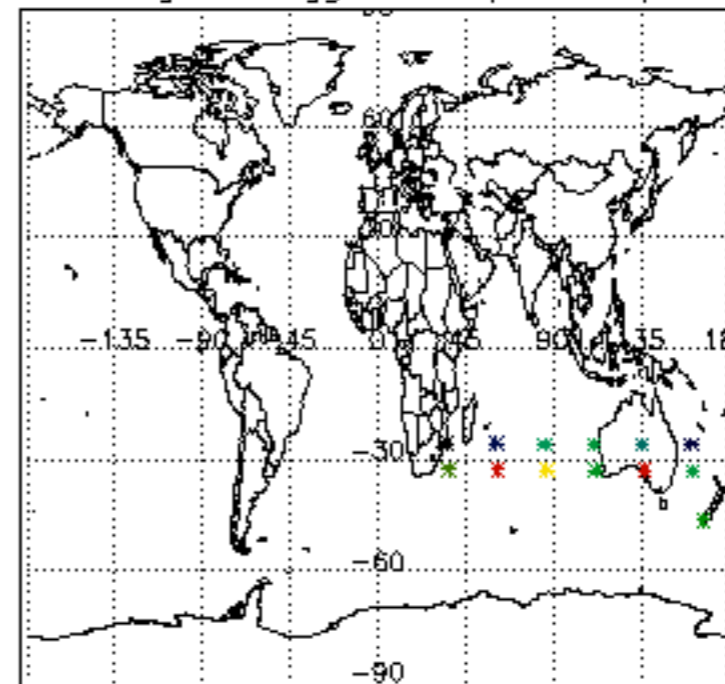
Percentage of flagged data per H2O profile

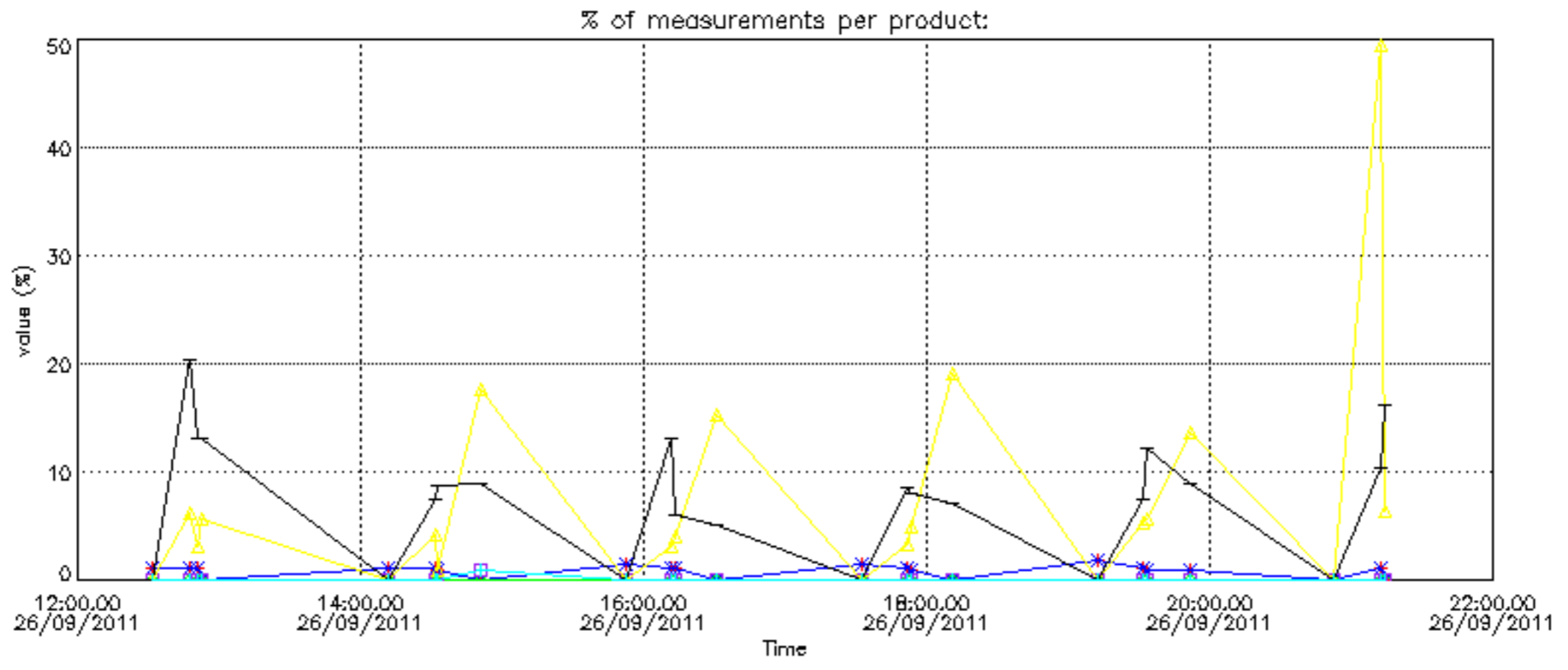


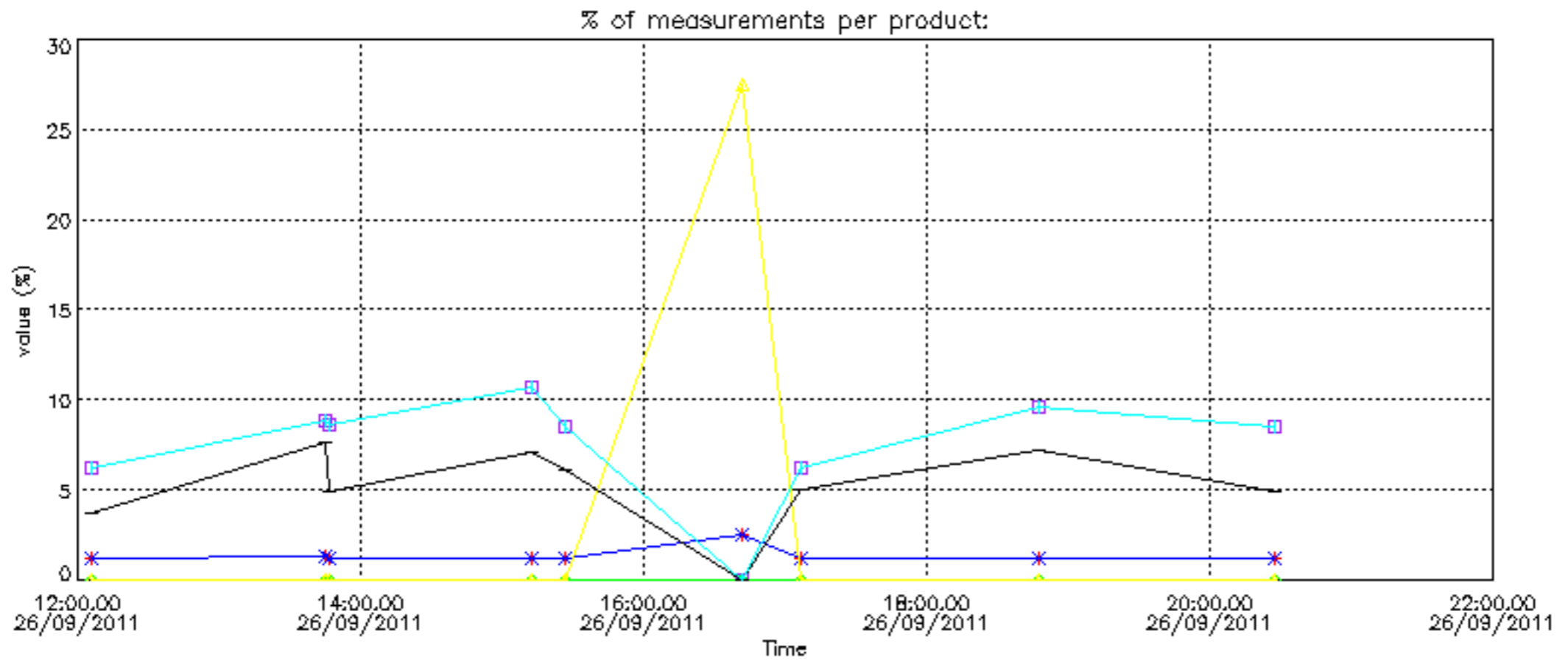
Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

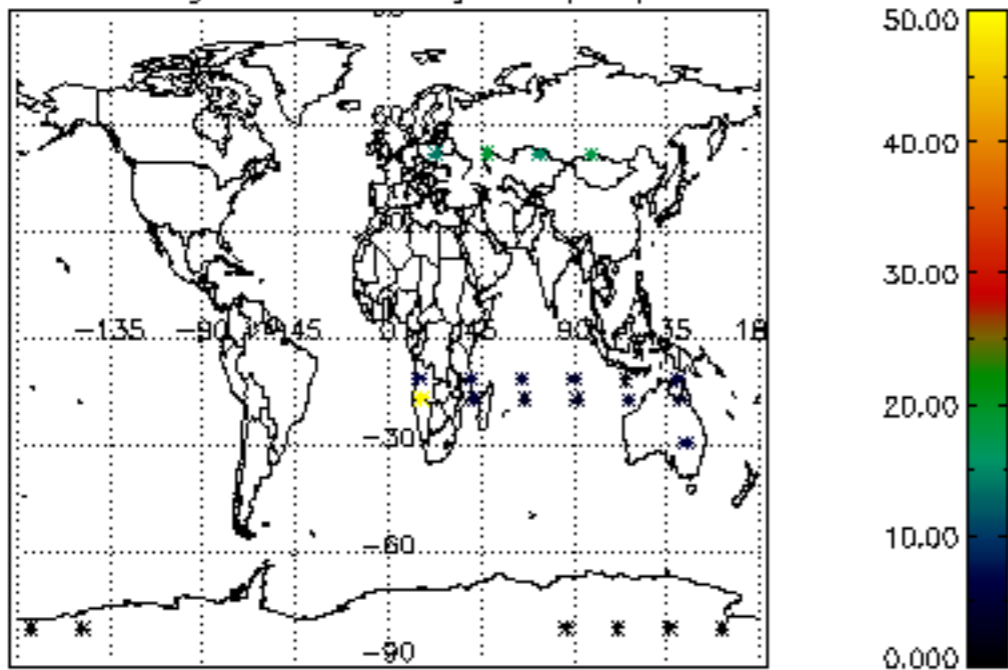




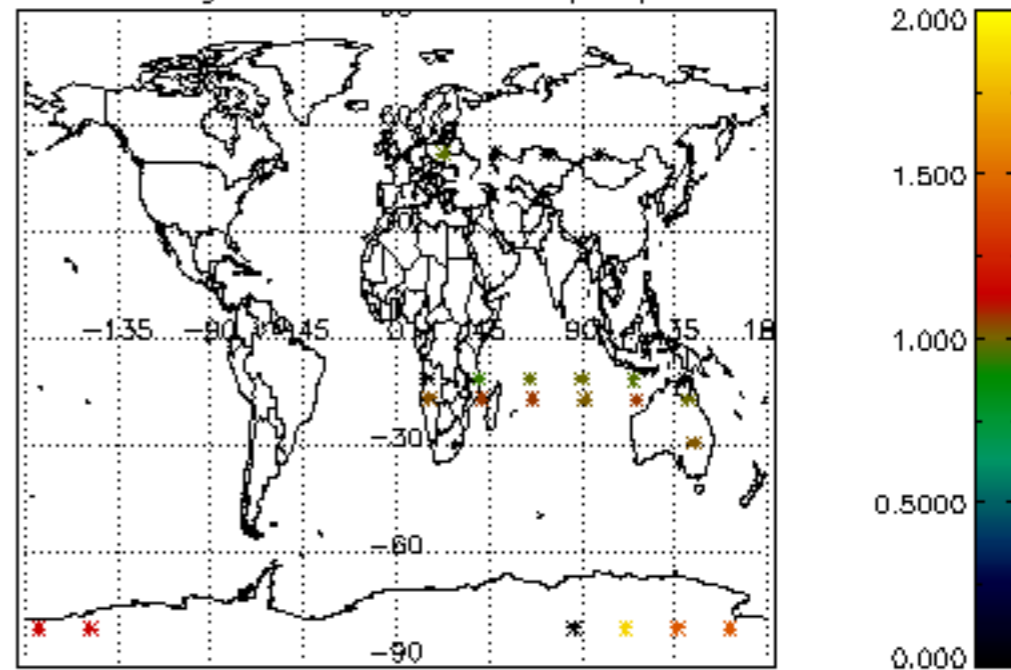




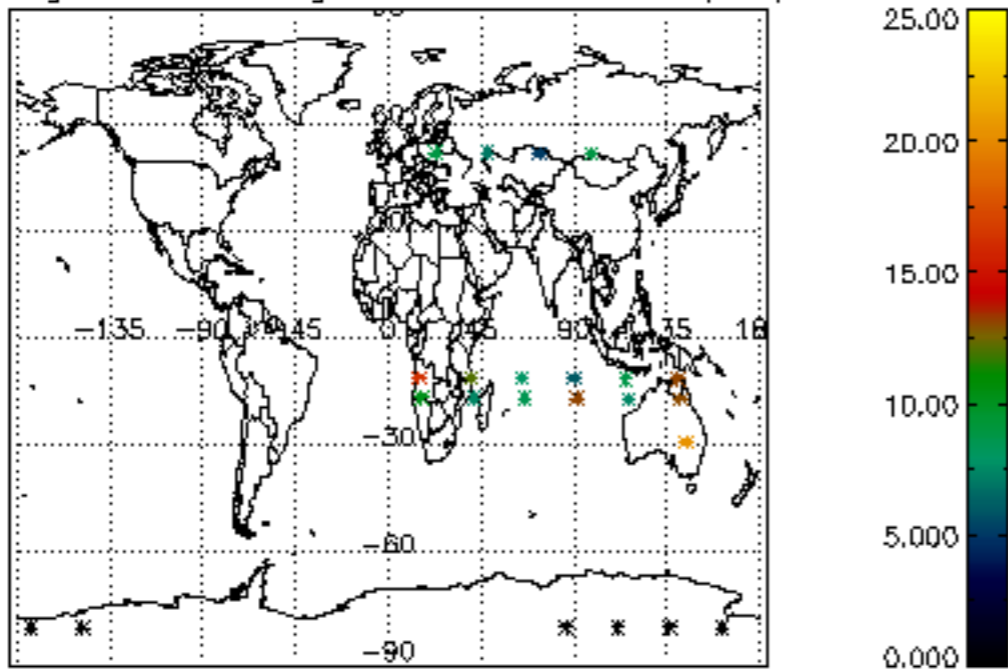
Percentage of cosmic ray hits per profile



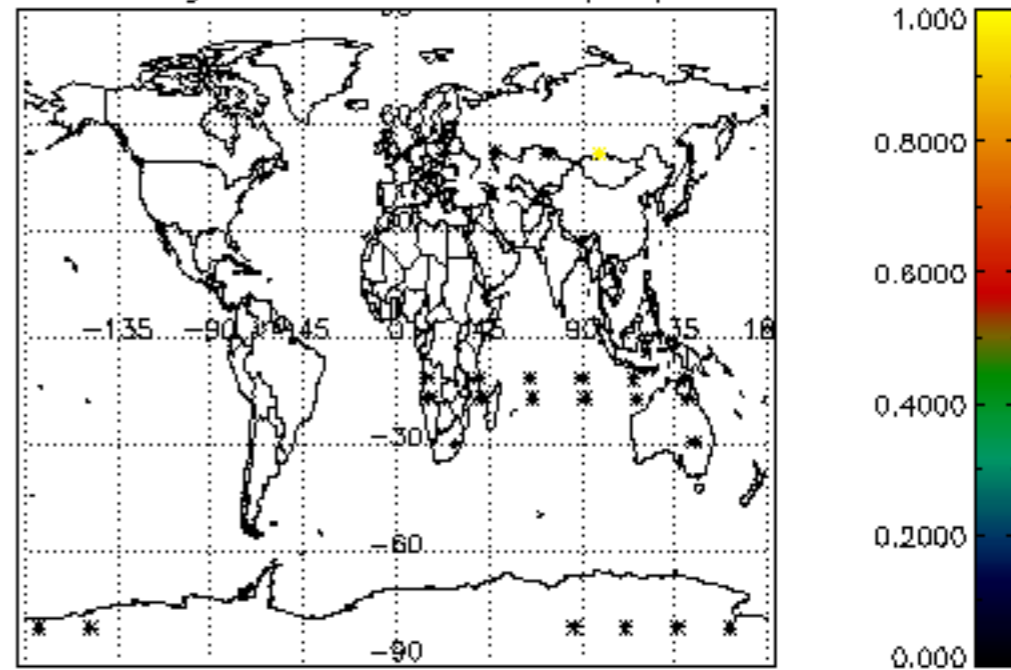
Percentage of datation errors per profile



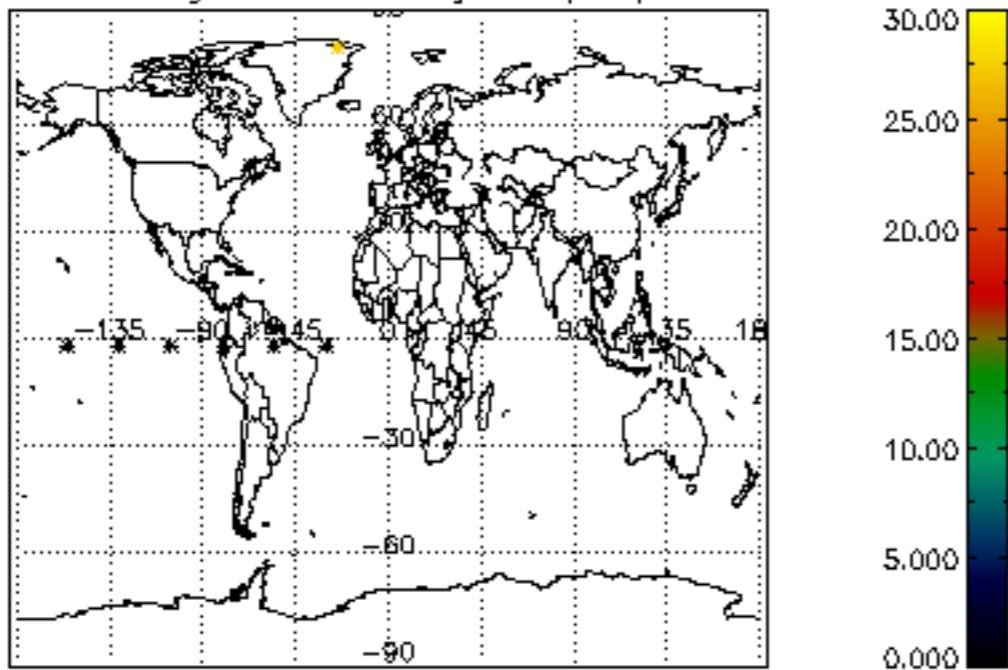
Percentage of star falling outside central band per profile



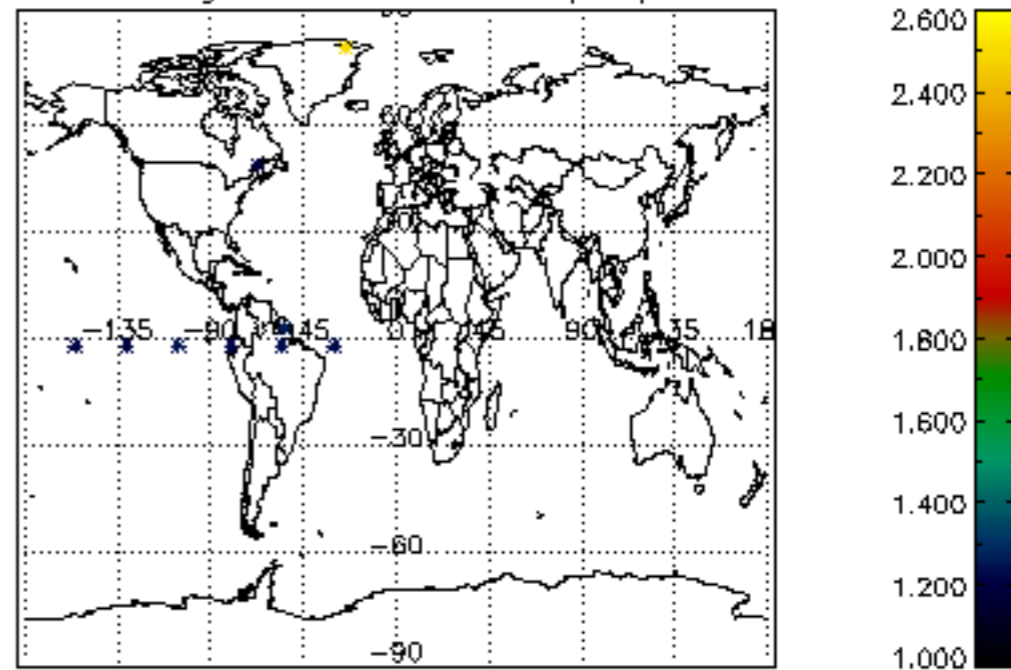
Percentage of saturation errors per profile



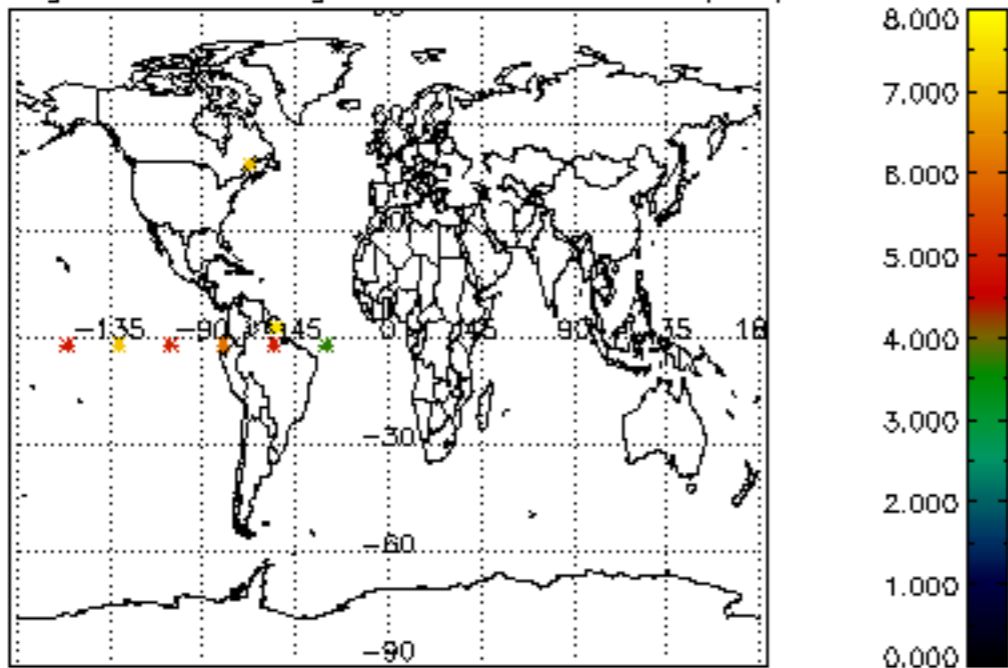
Percentage of cosmic ray hits per profile



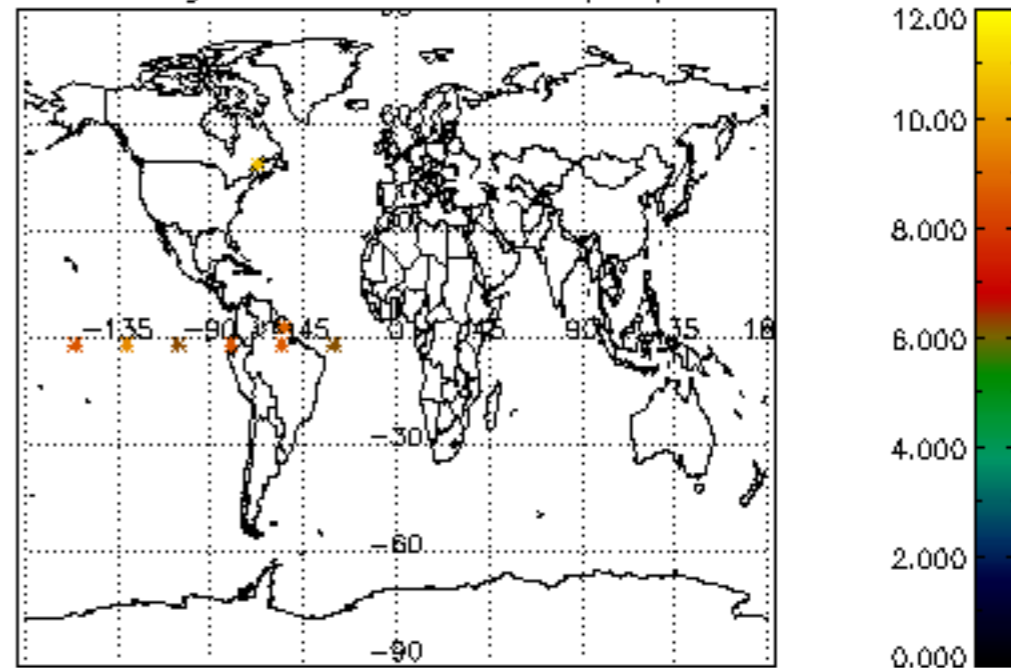
Percentage of datation errors per profile

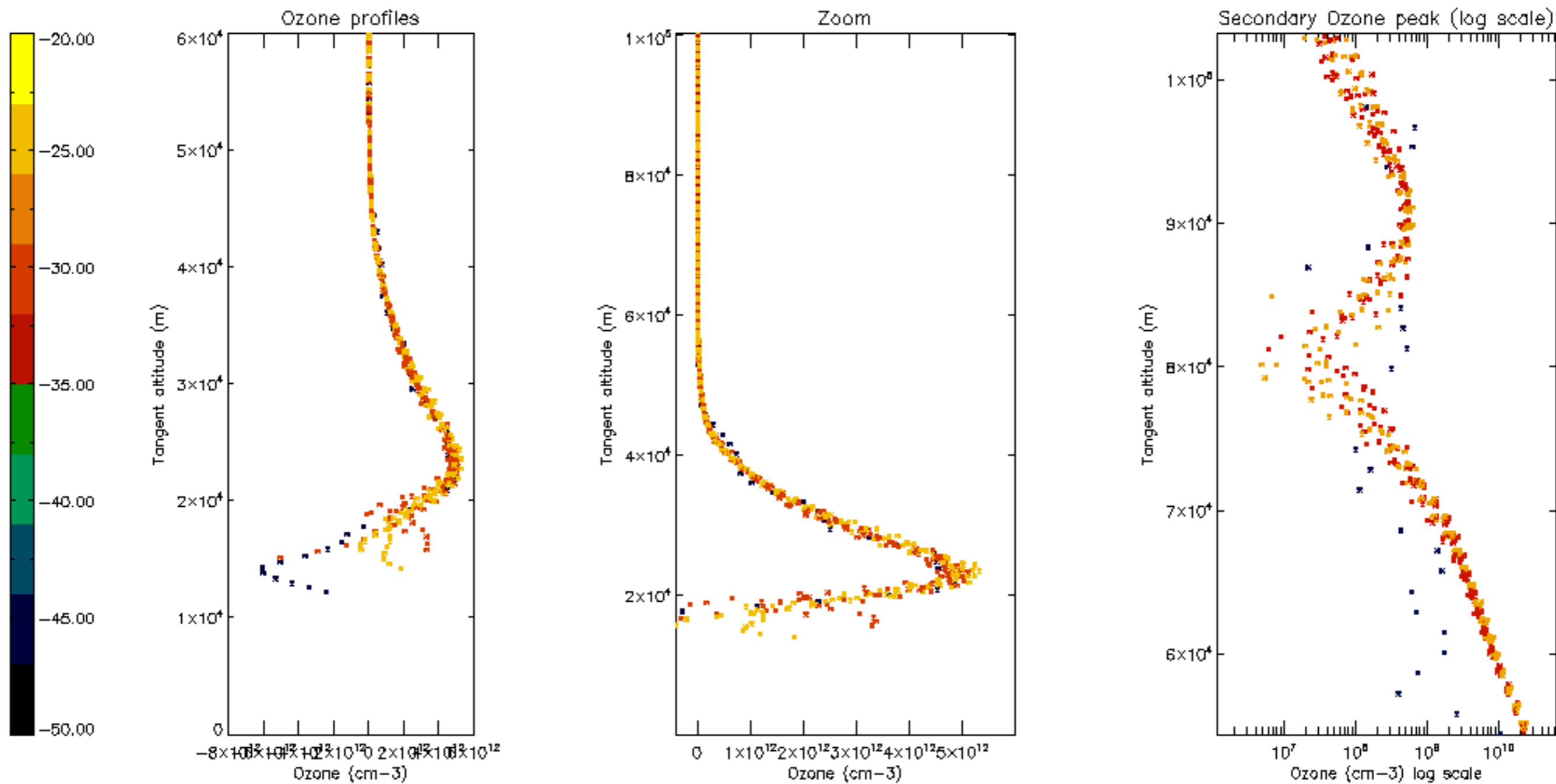


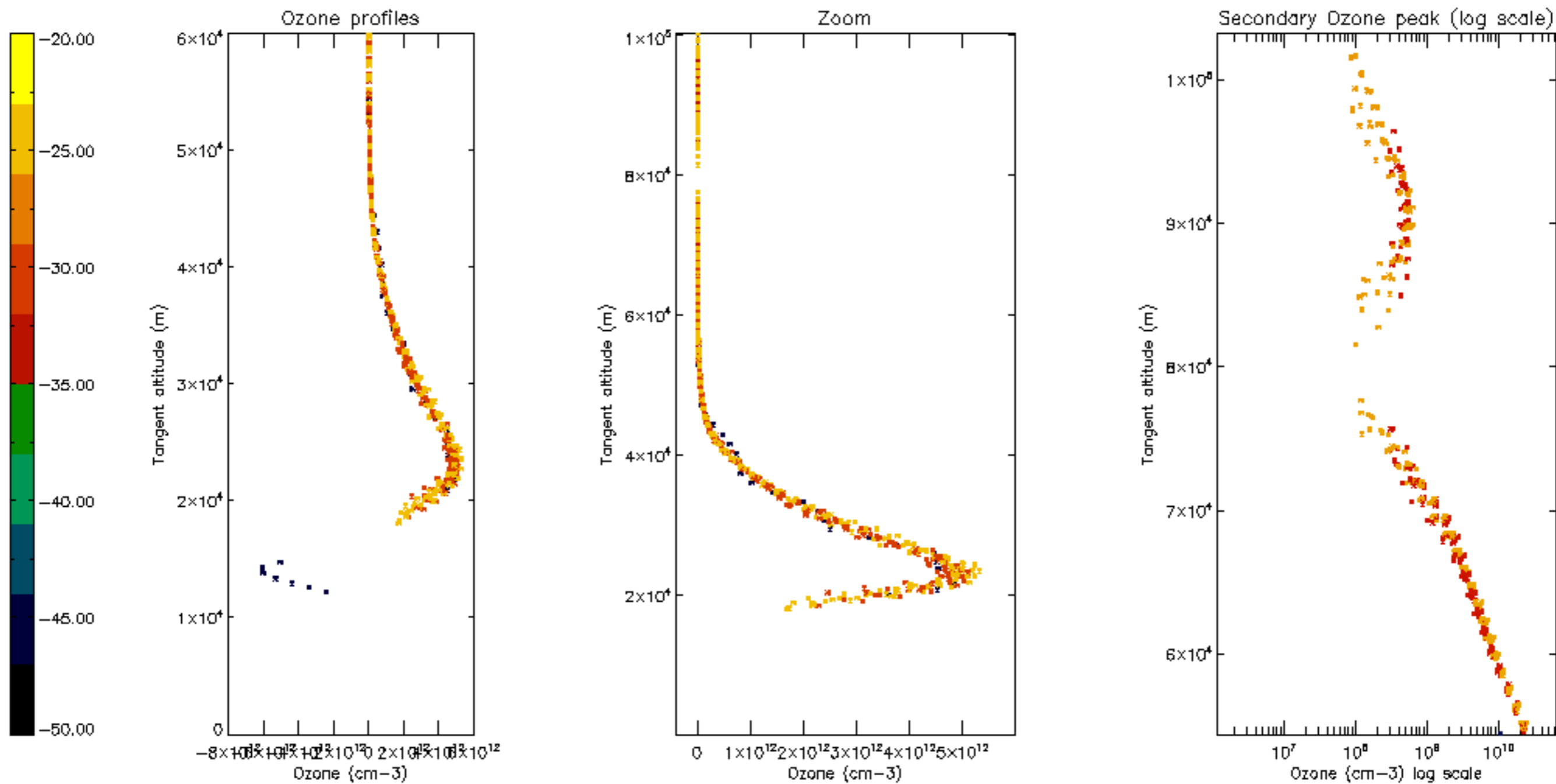
Percentage of star falling outside central band per profile

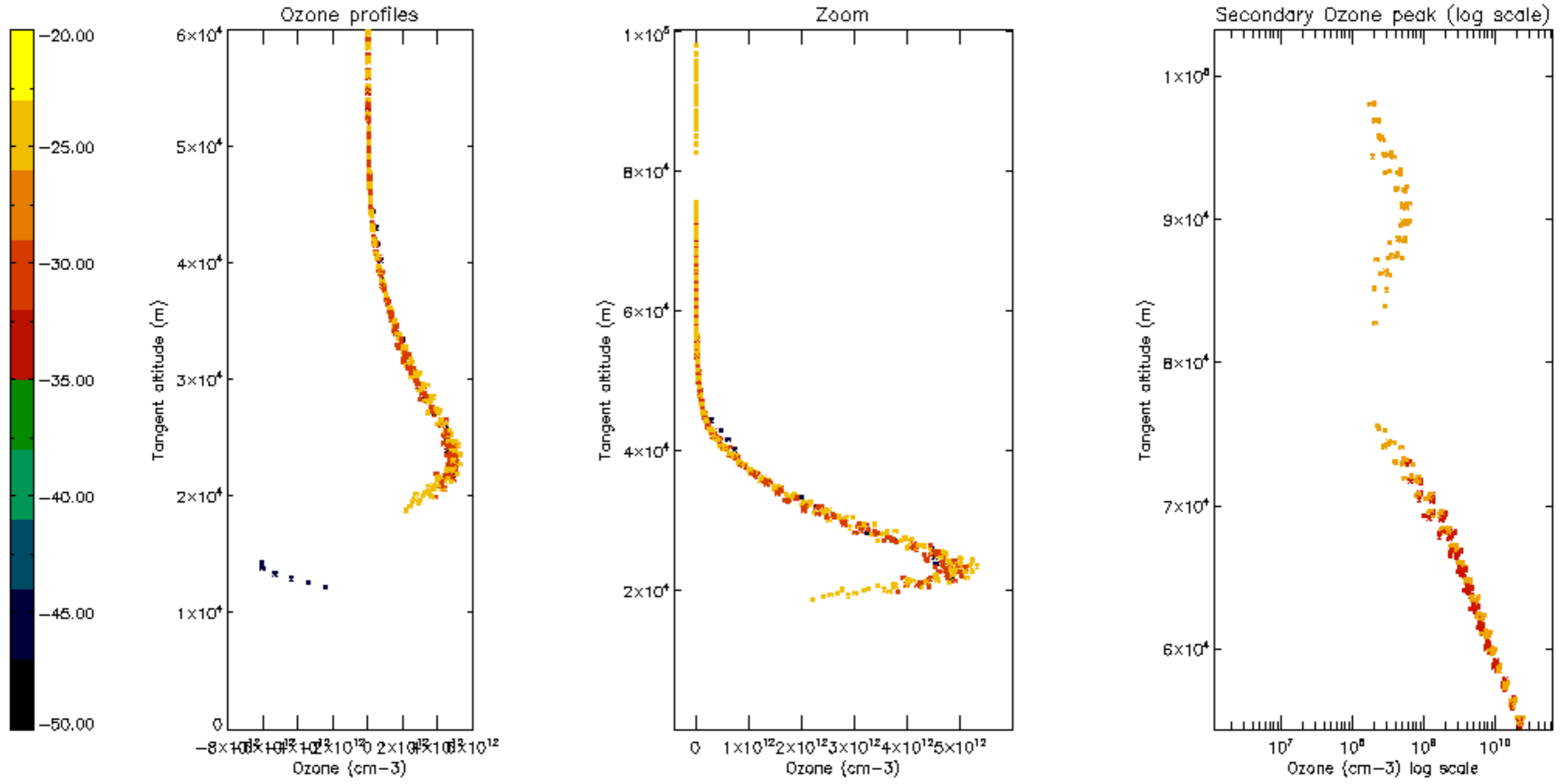


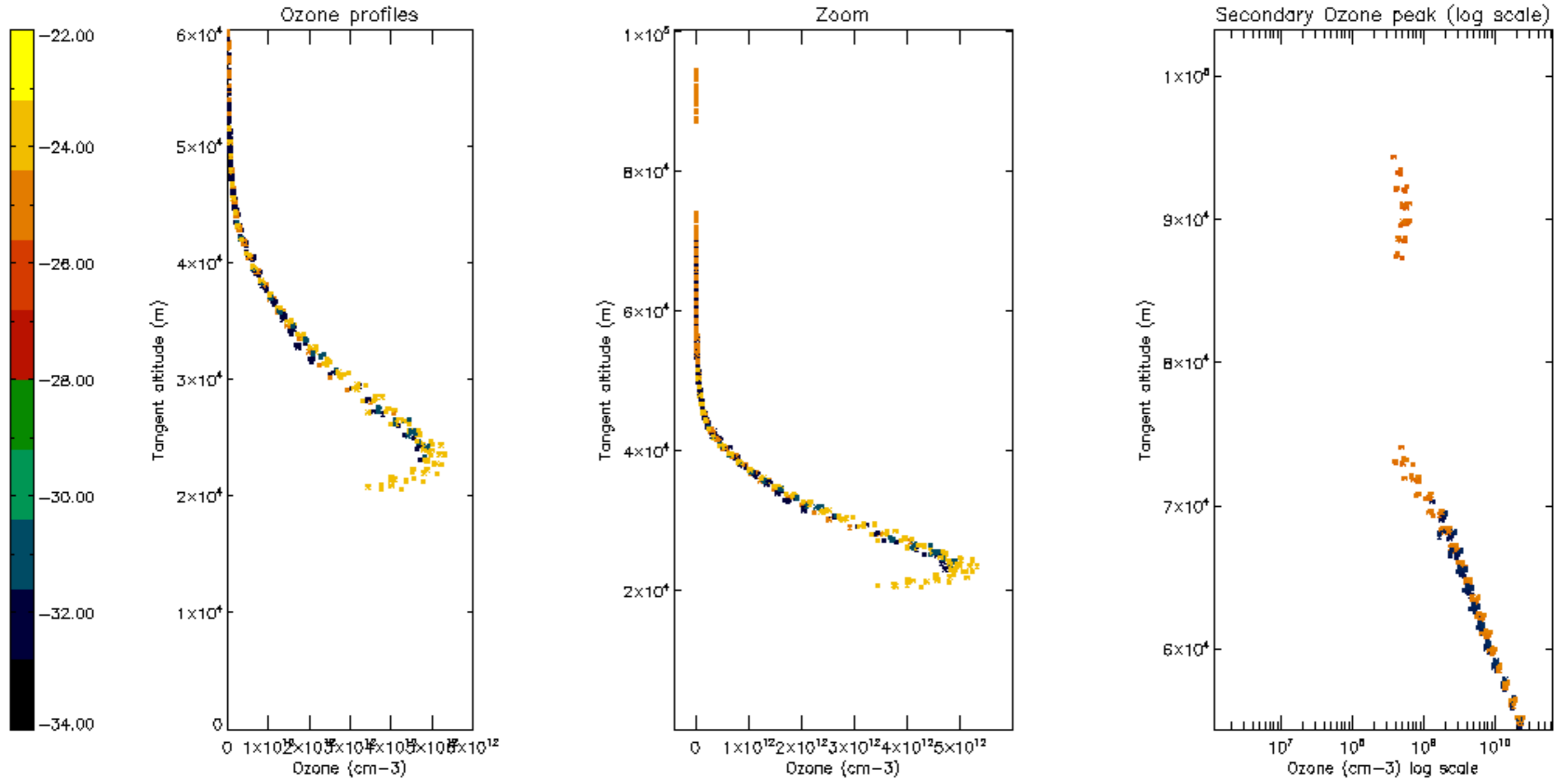
Percentage of saturation errors per profile

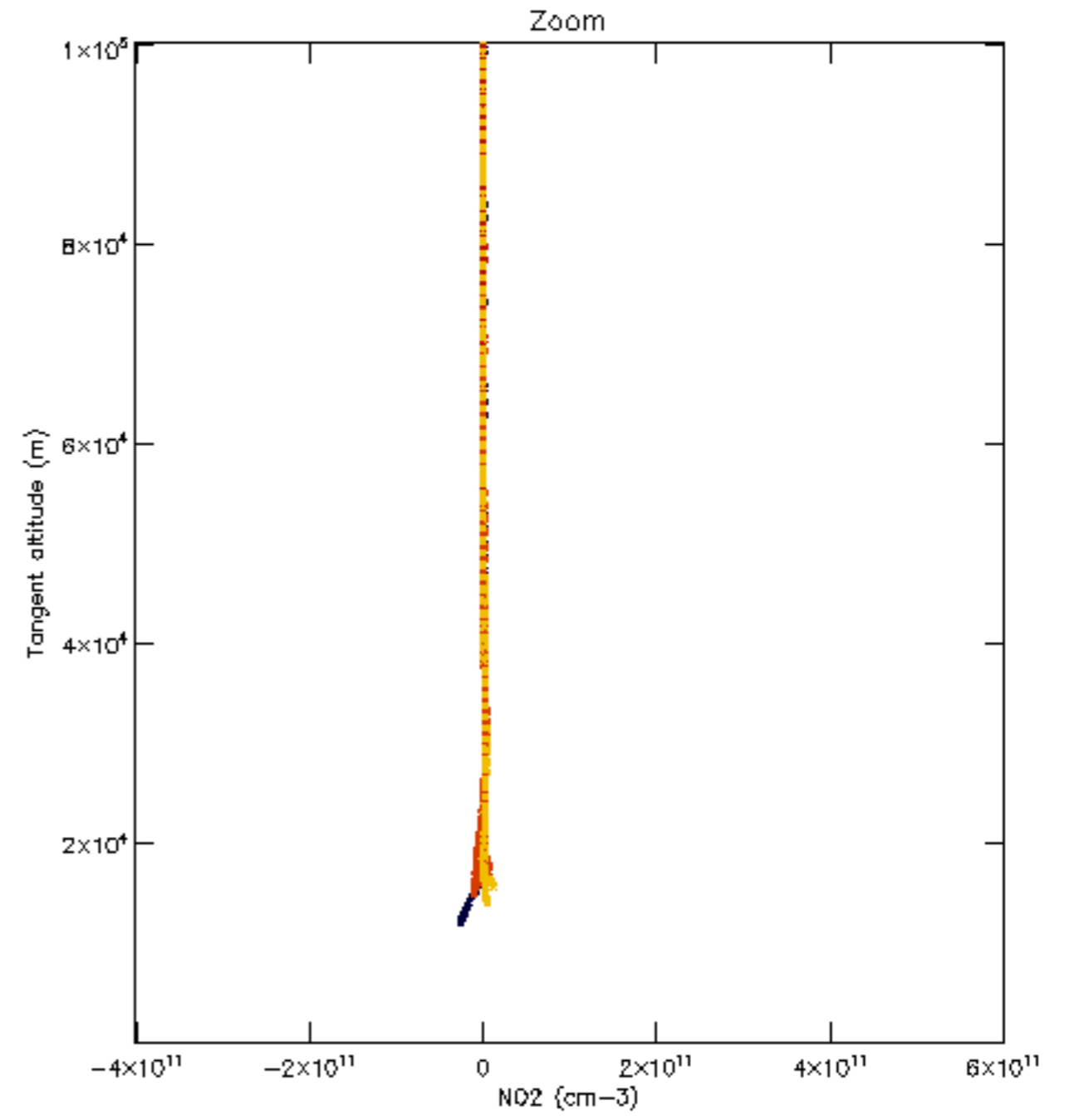
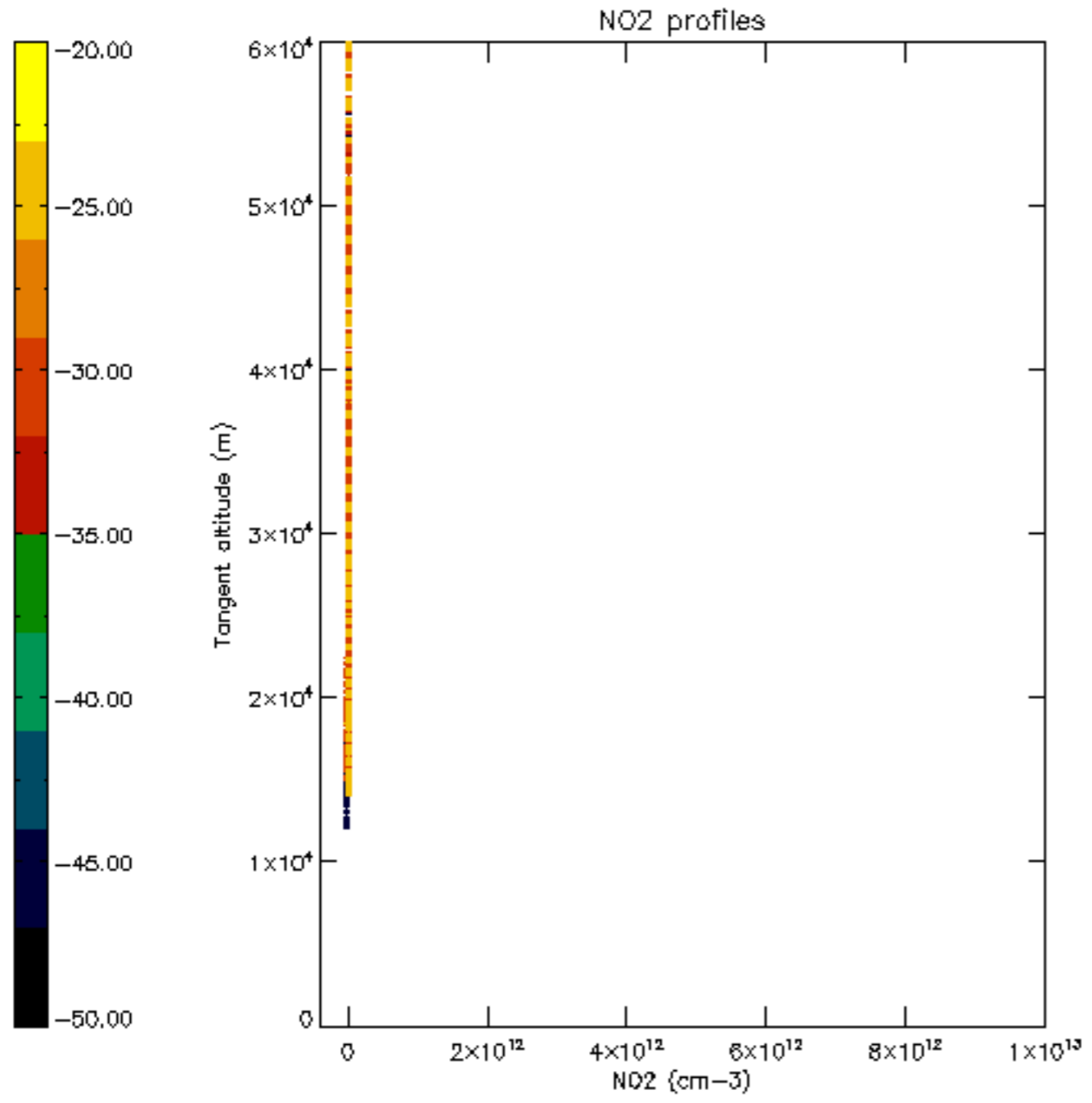


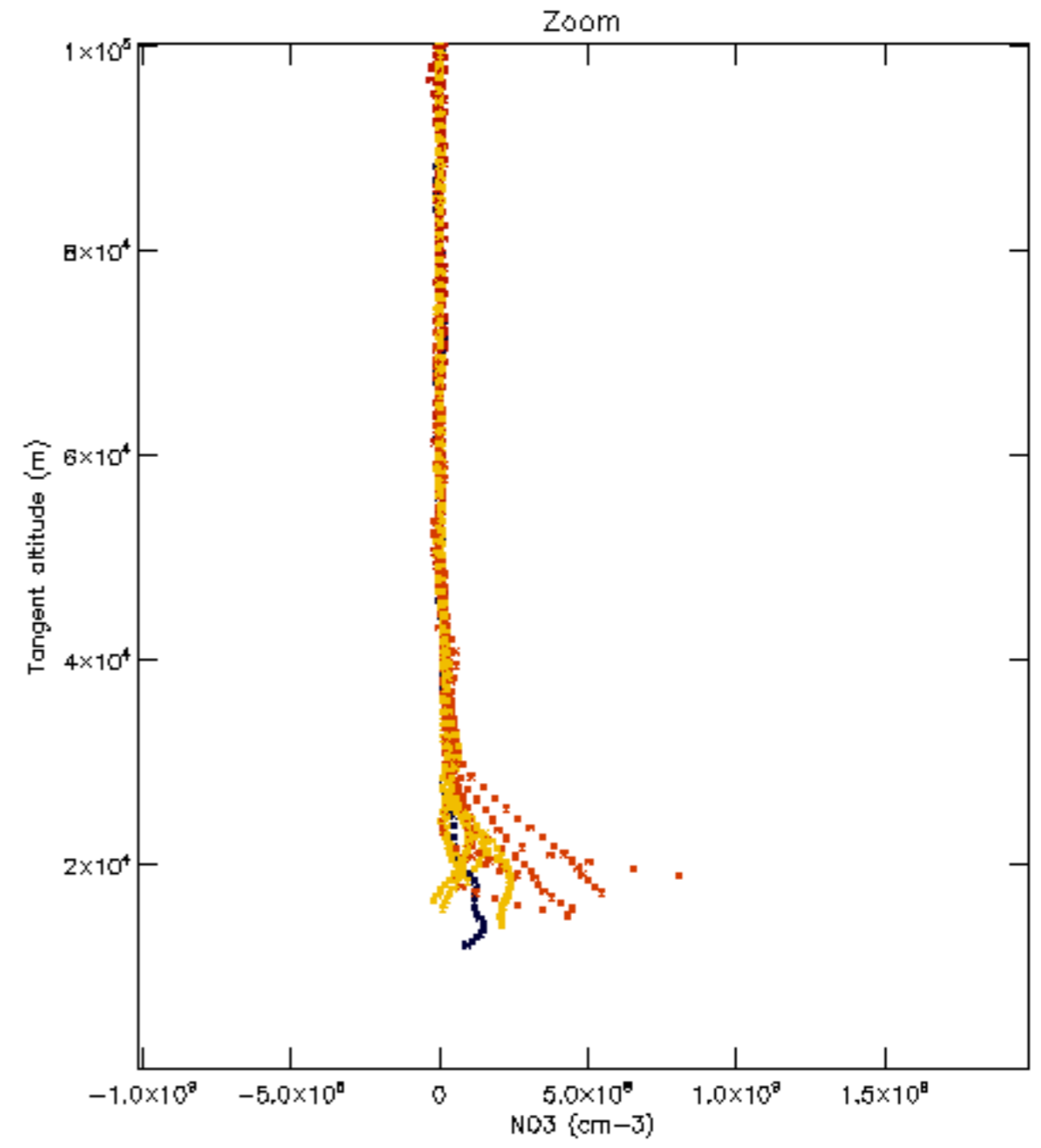
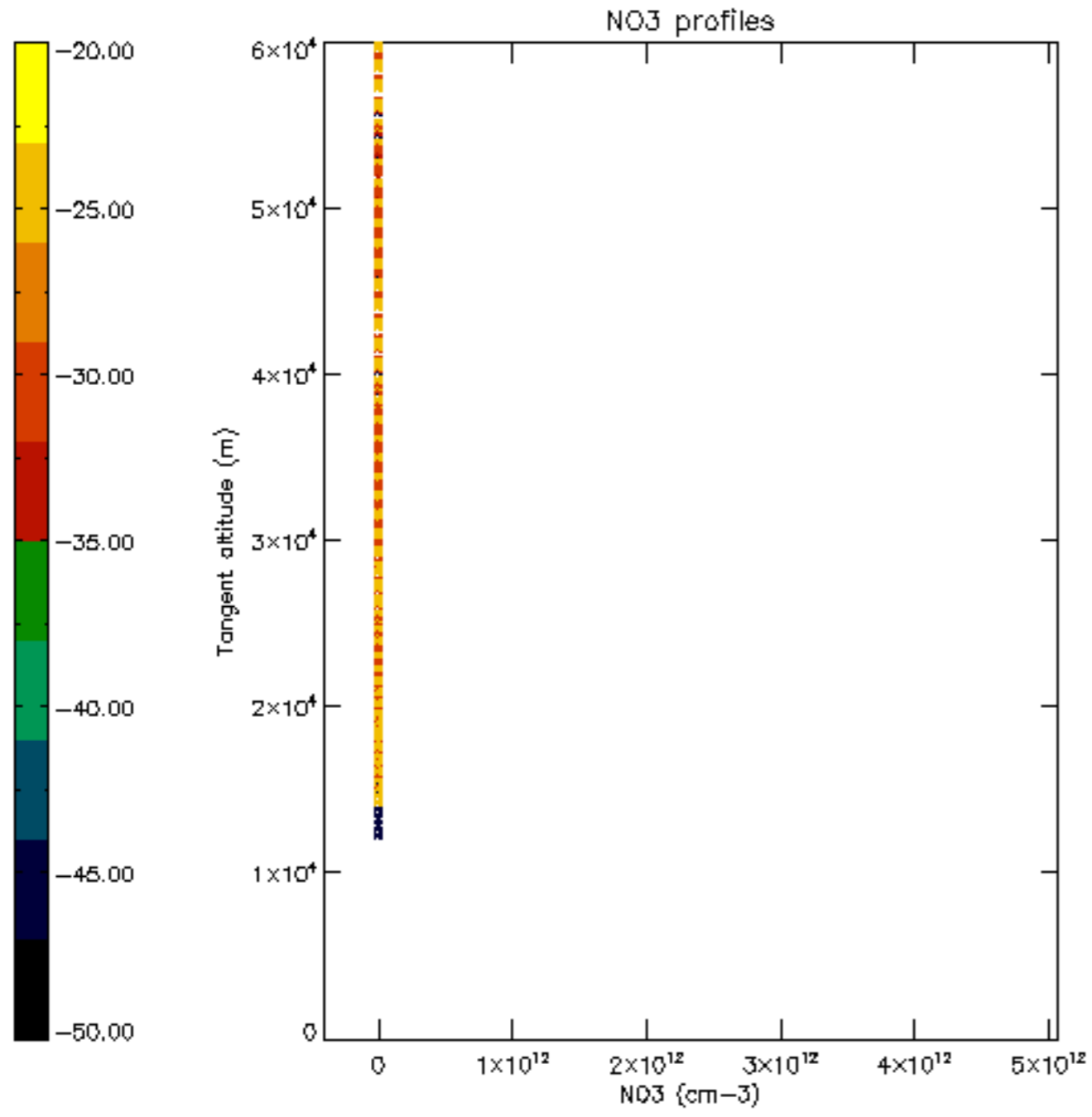




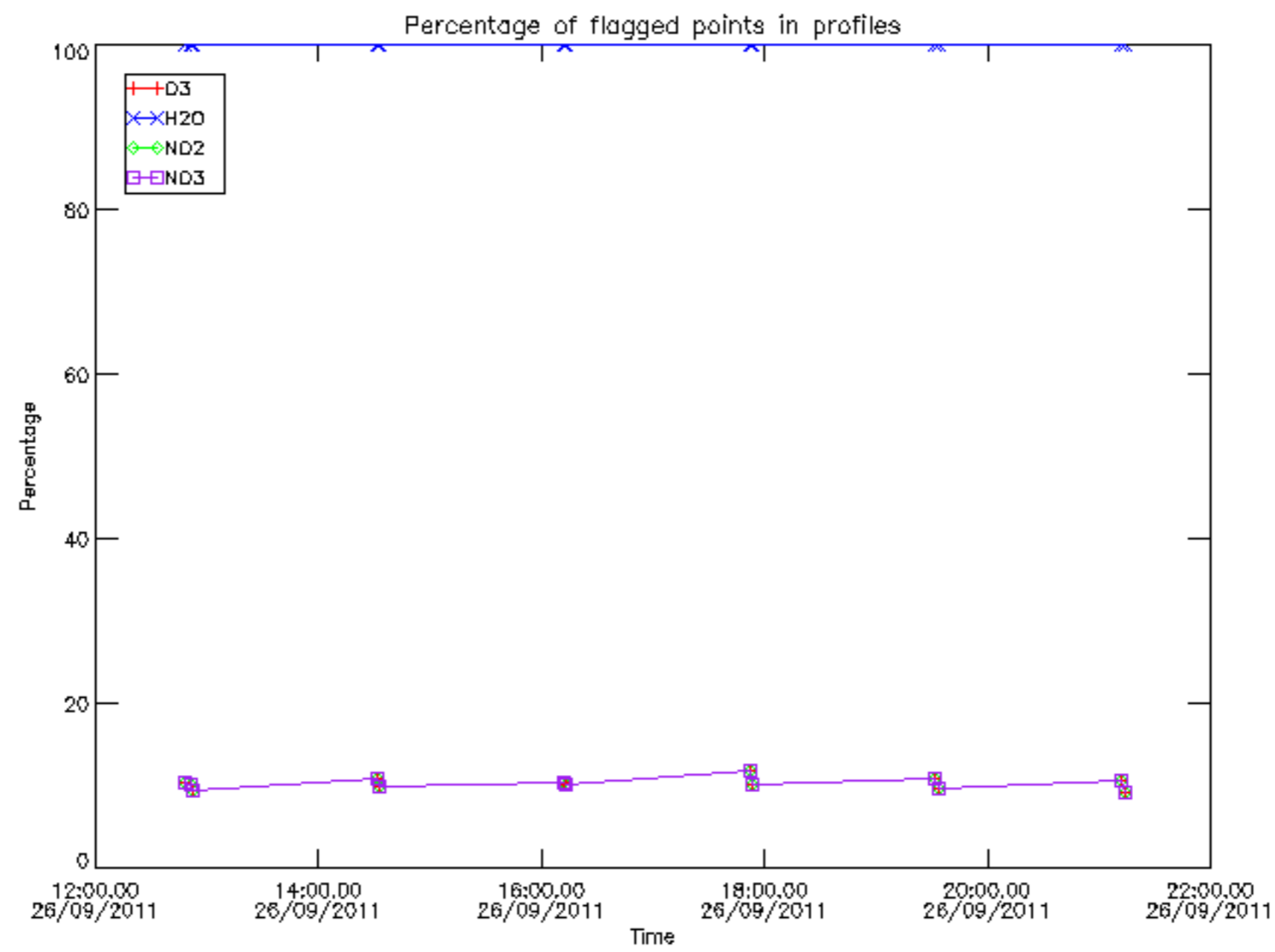




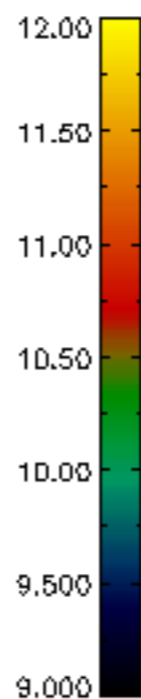
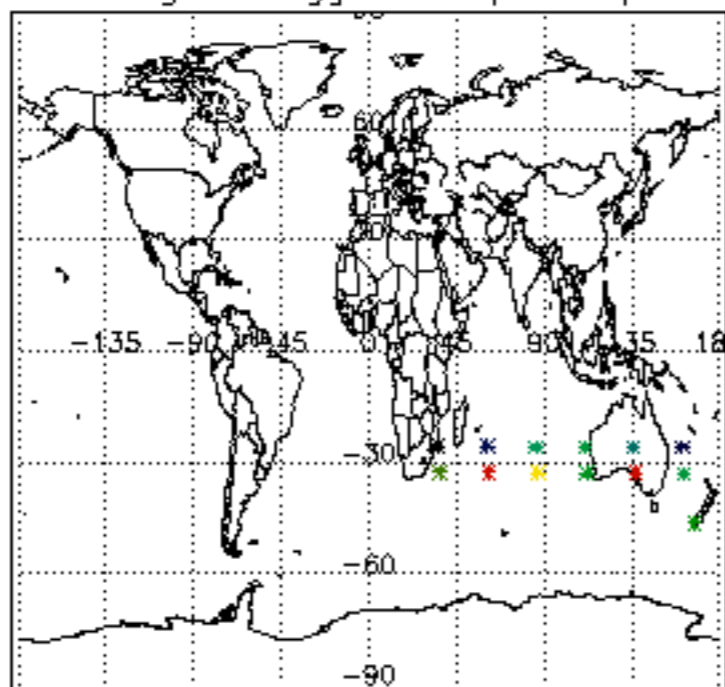




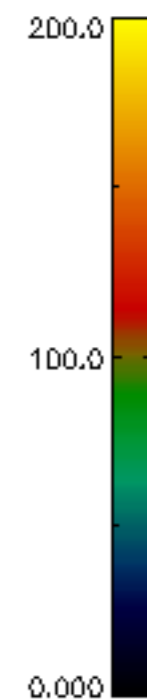
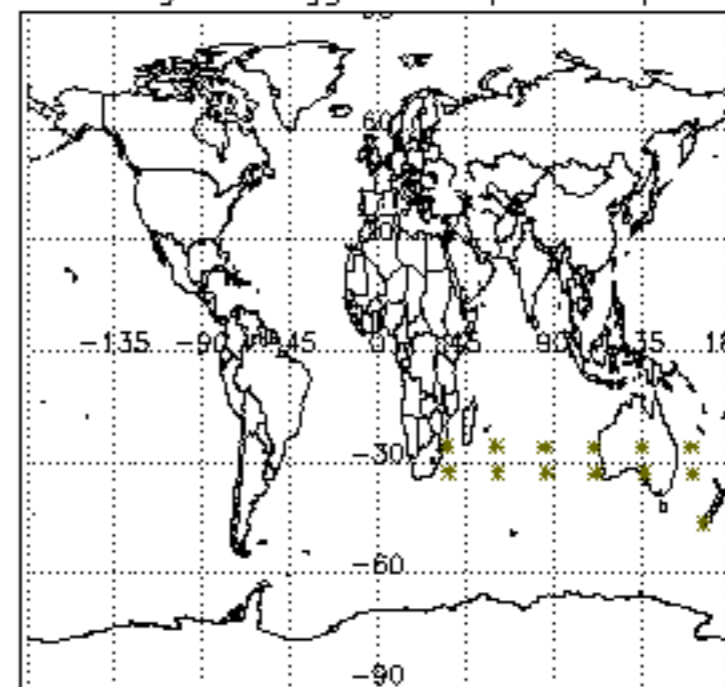




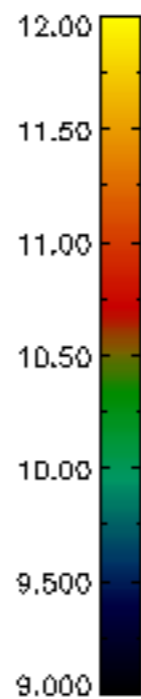
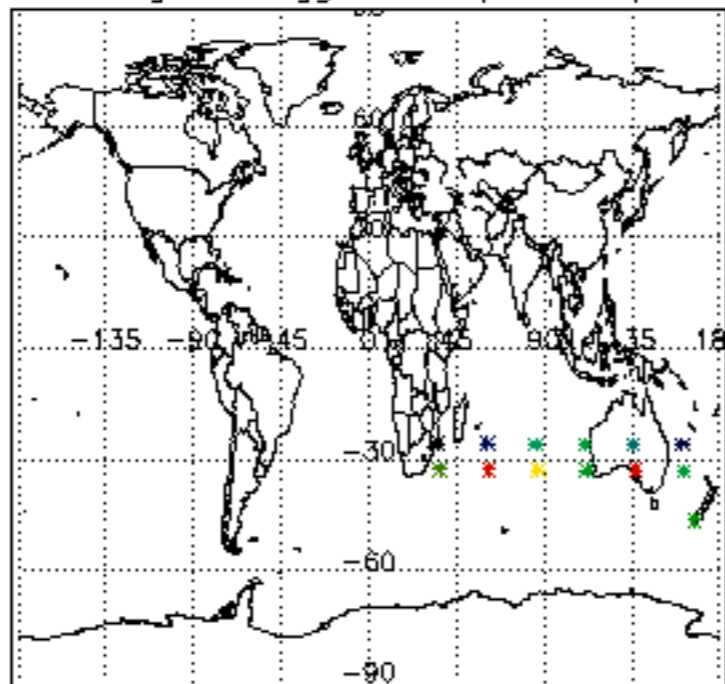
Percentage of flagged data per D3 profile



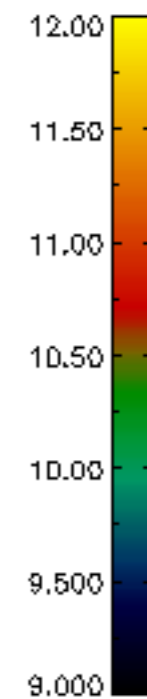
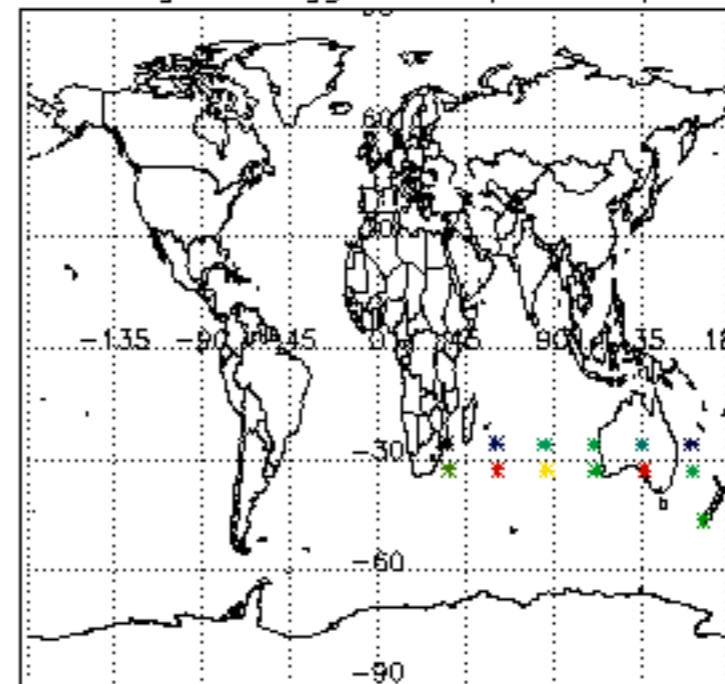
Percentage of flagged data per H2O profile

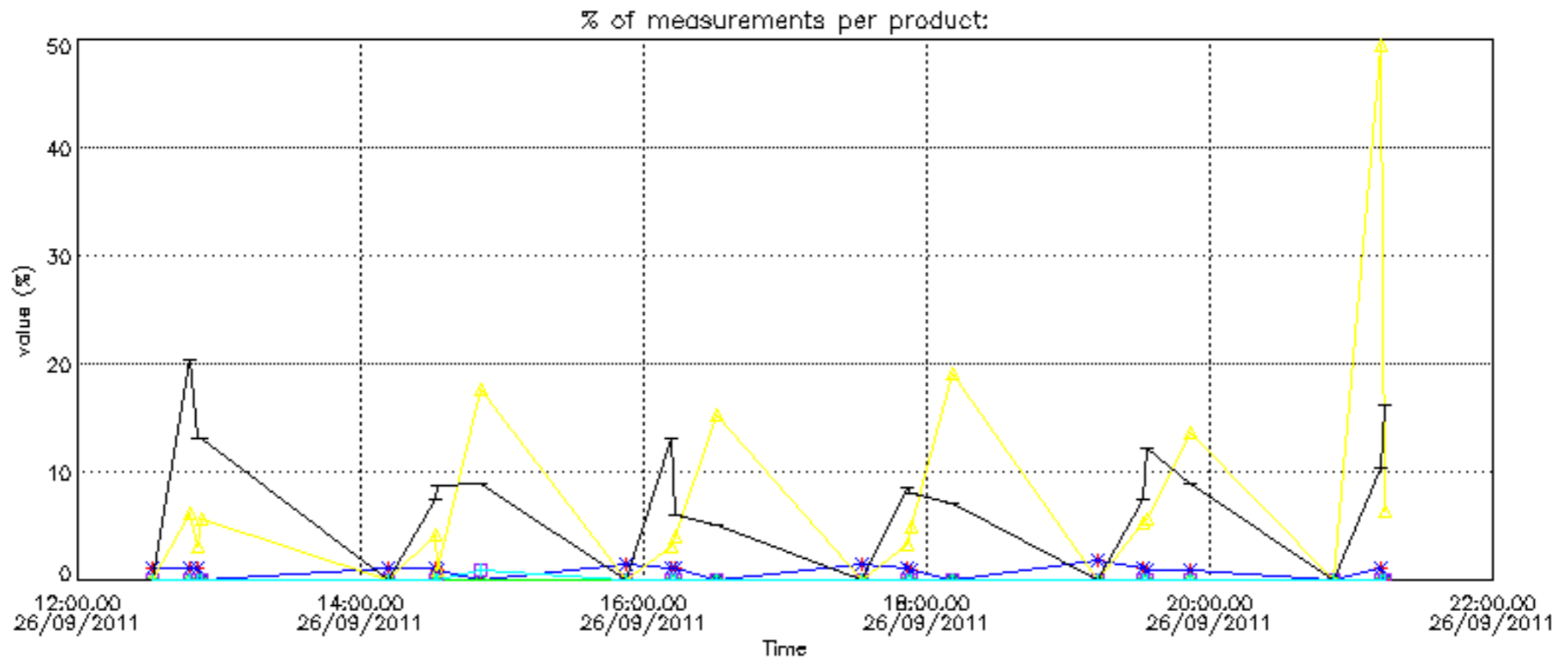


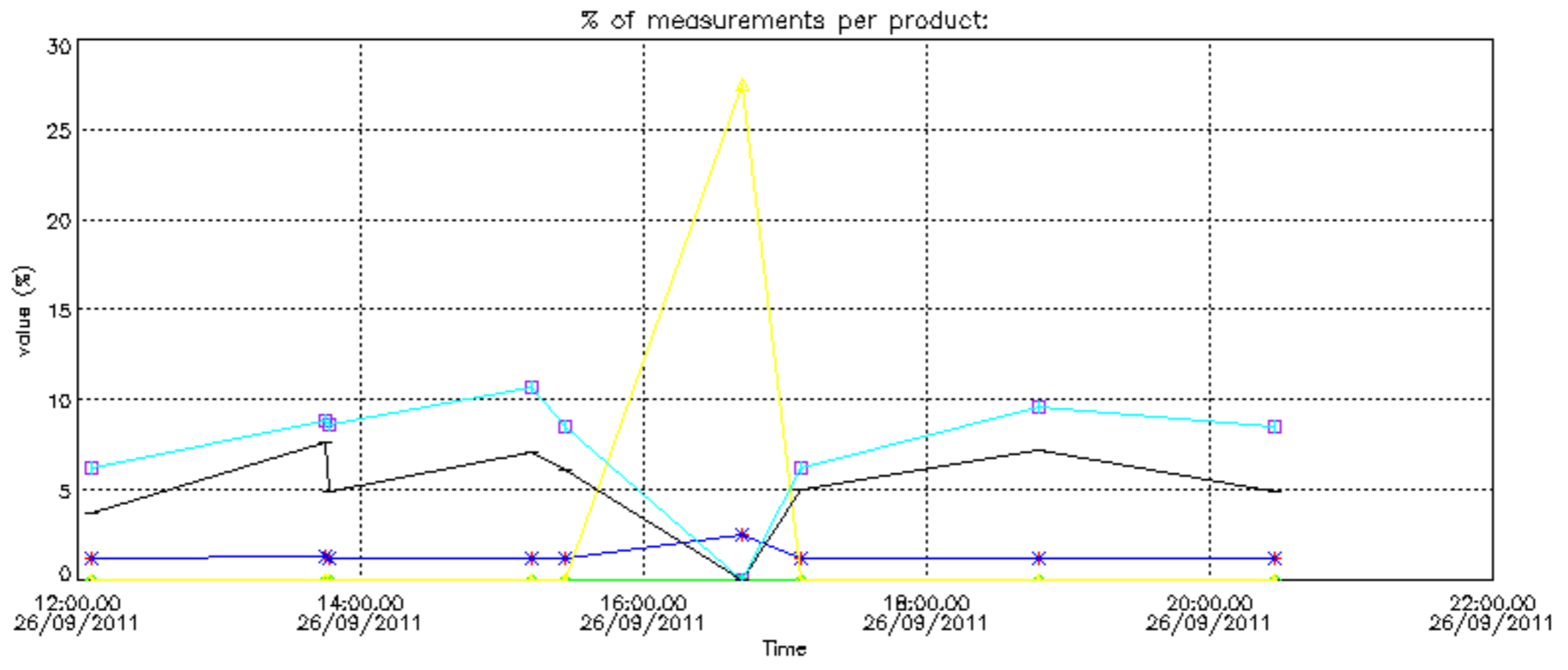
Percentage of flagged data per NO2 profile



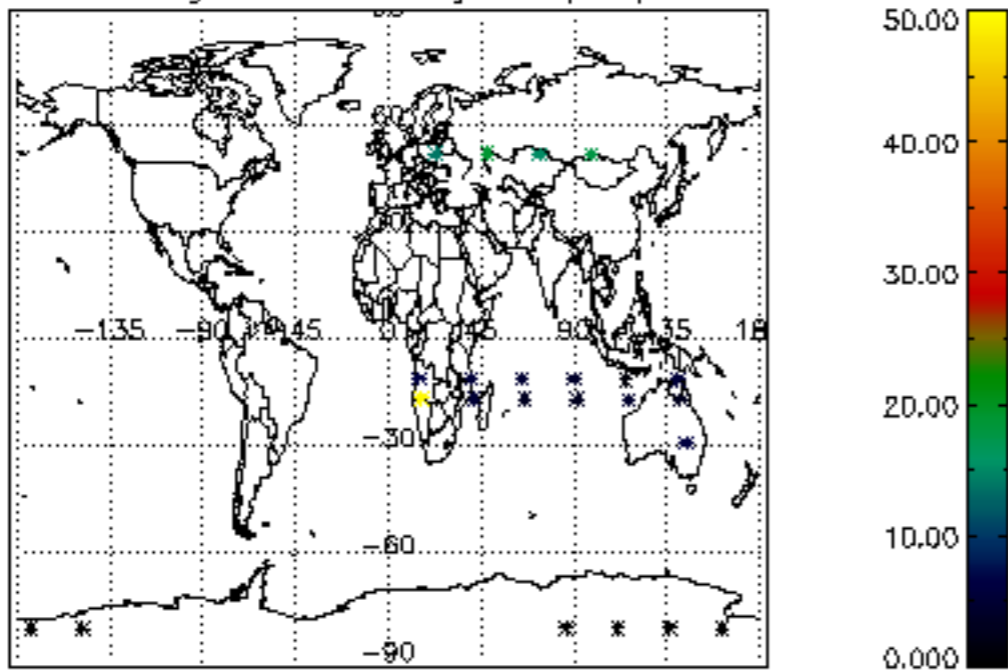
Percentage of flagged data per NO3 profile



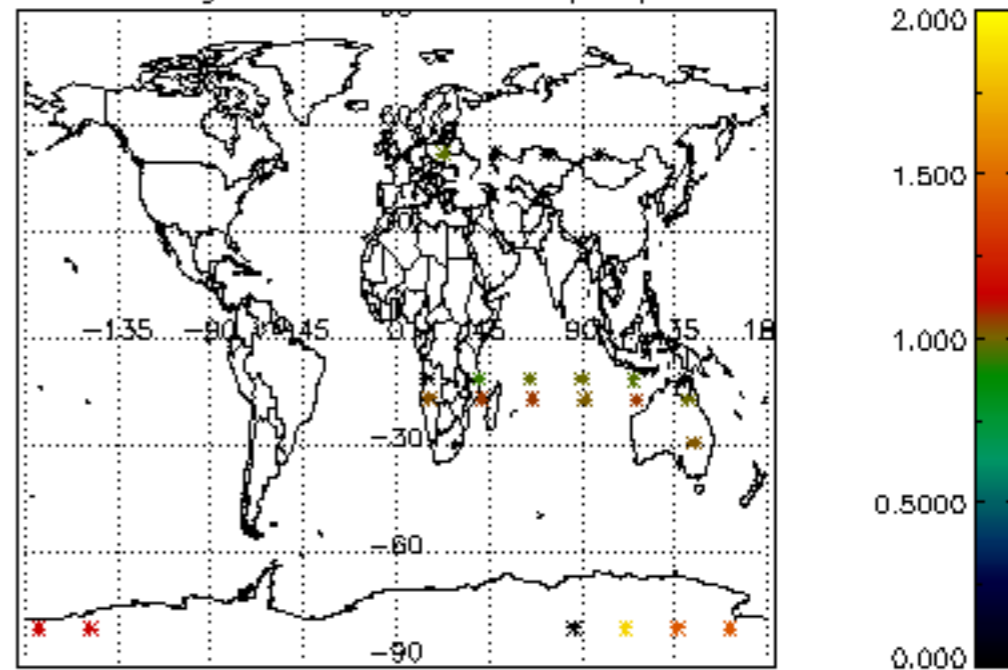




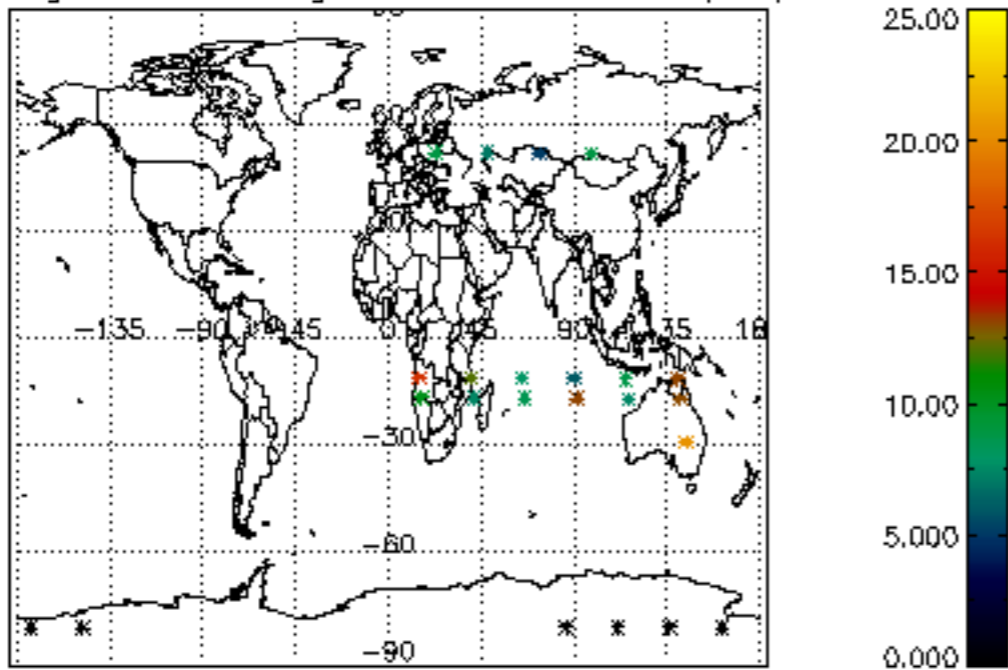
Percentage of cosmic ray hits per profile



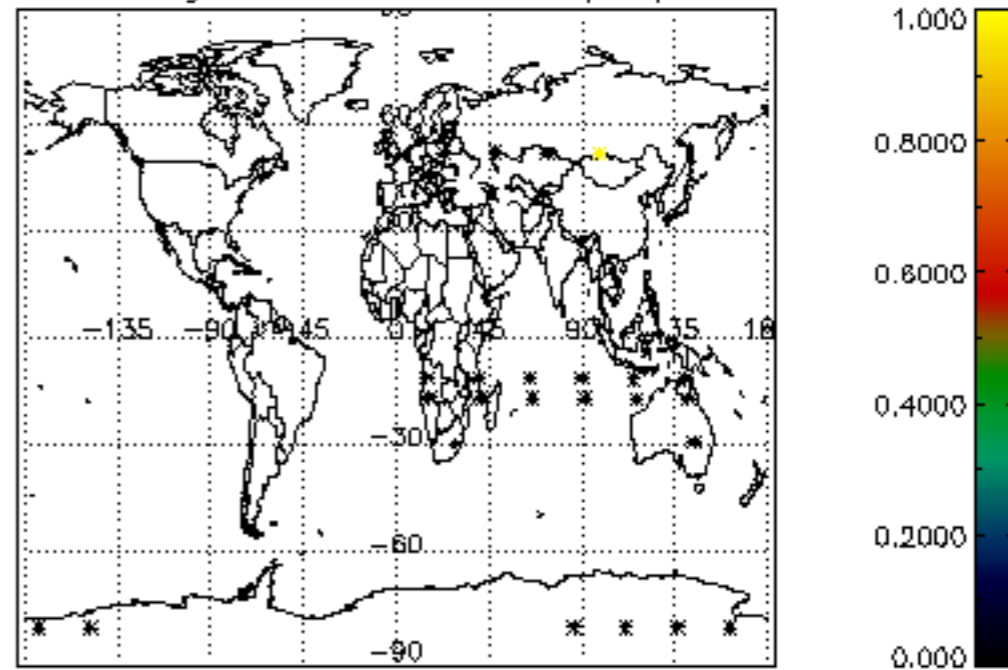
Percentage of datation errors per profile



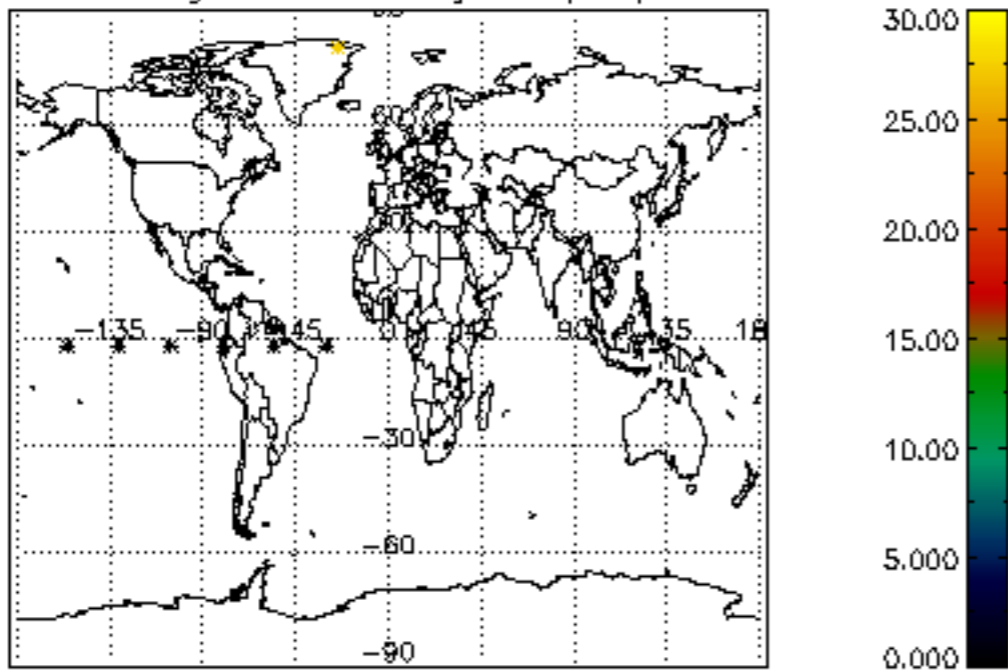
Percentage of star falling outside central band per profile



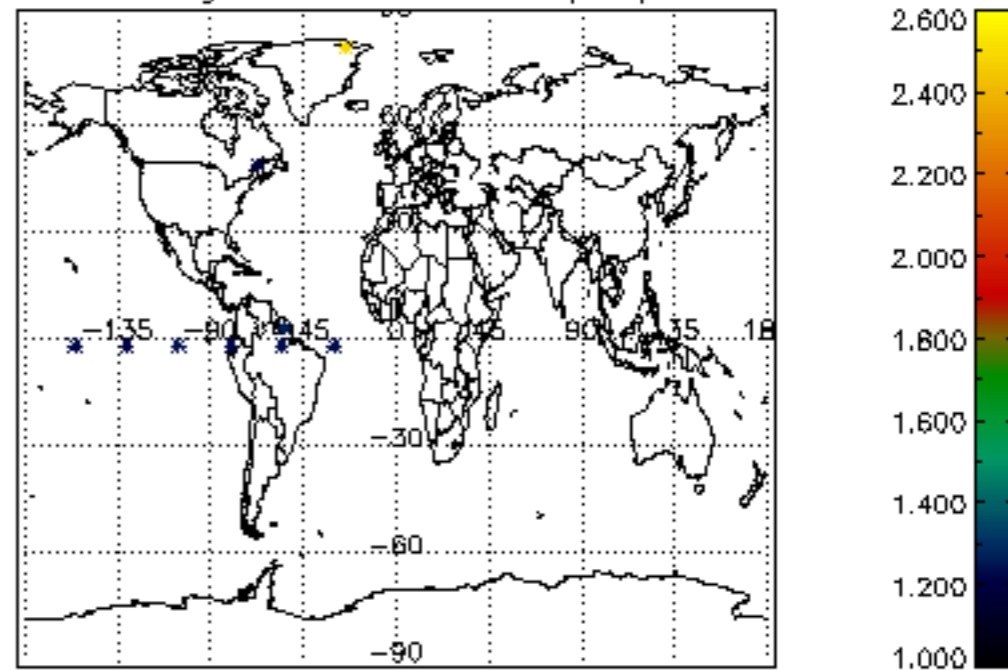
Percentage of saturation errors per profile



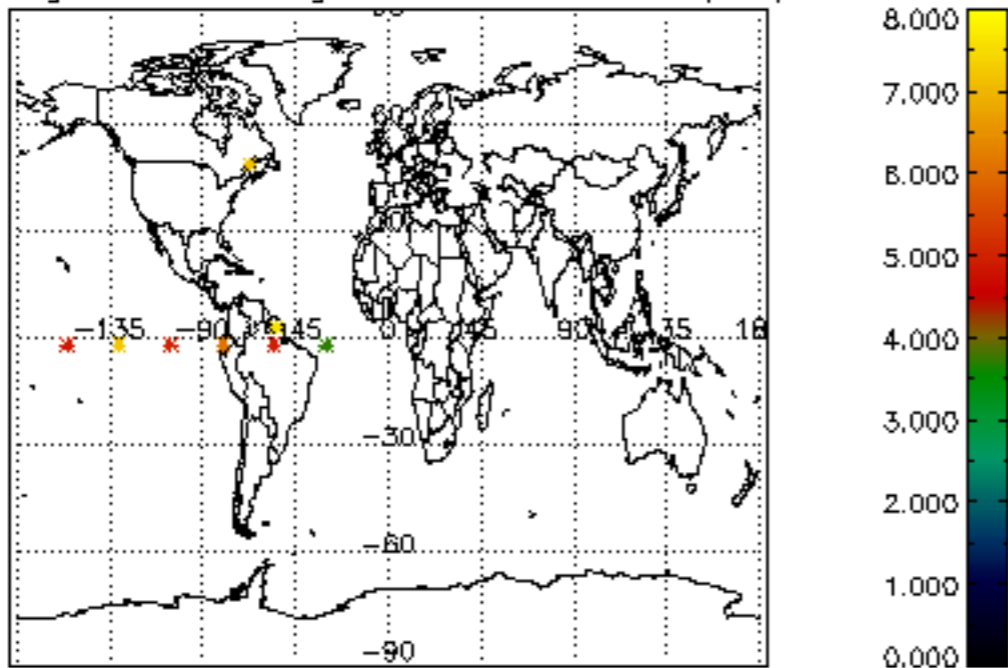
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

