

# 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](#)













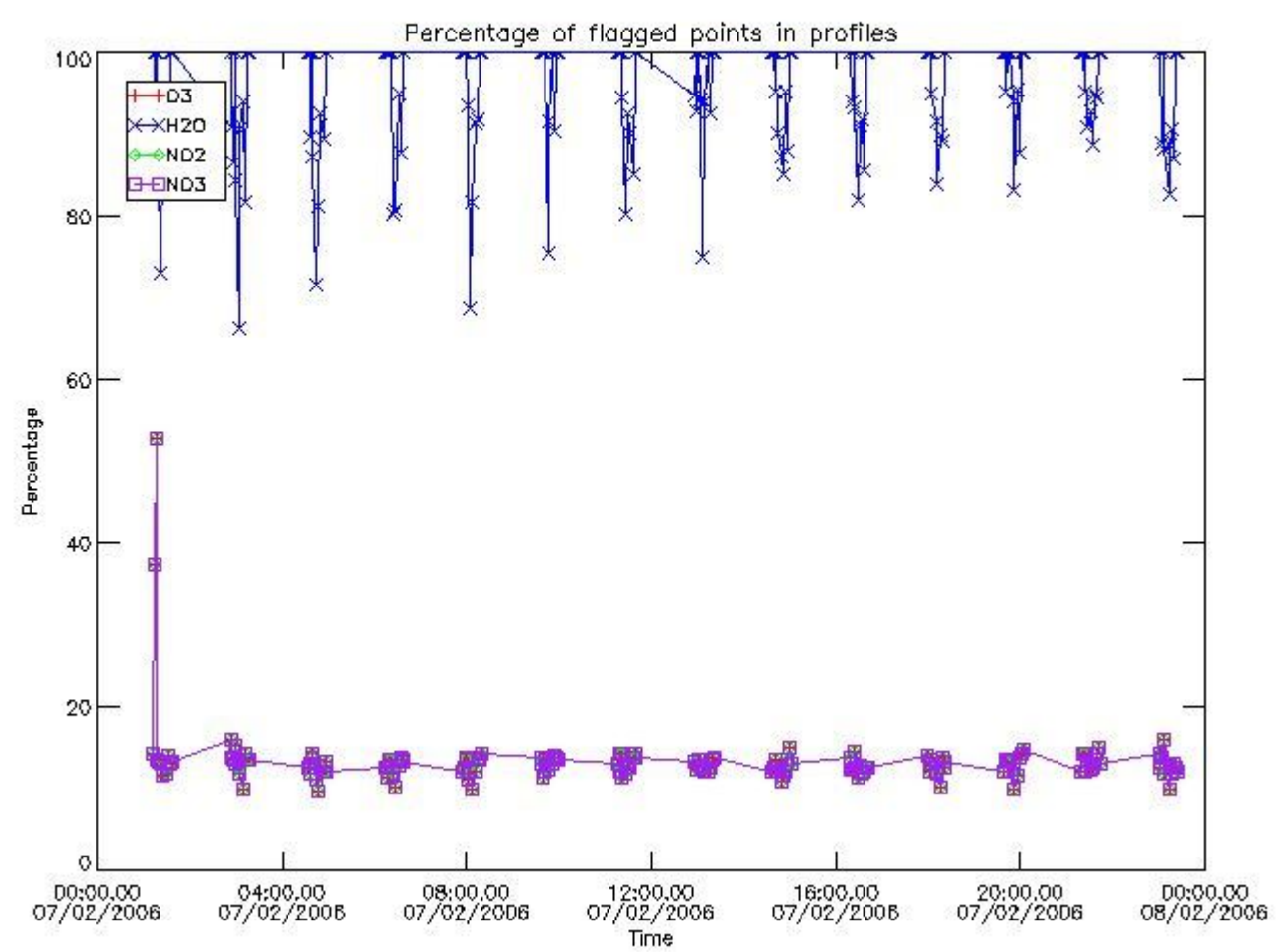
338	GOM_NL__2PRFIN20060207_214349_000000402045_00015_20610_8245.N1	07-FEB-2006 21:43:49	Dark	39.500	46	Del Vel	1.9540	10600.	79	20610	No
339	GOM_NL__2PRFIN20060207_214616_000000402045_00015_20610_8246.N1	07-FEB-2006 21:46:16	Straylight	39.500	34	Gam2Vel	1.7930	23000.	79	20610	No
340	GOM_NL__2PRFIN20060207_214821_000000402045_00015_20610_8247.N1	07-FEB-2006 21:48:21	Straylight	40.000	70	Zet Pup	2.2460	39000.	80	20610	No
341	GOM_NL__2PRFIN20060207_215143_000000372045_00015_20610_8248.N1	07-FEB-2006 21:51:43	Straylight	36.500	88	31Eta CMa	2.4480	20000.	73	20610	No
342	GOM_NL__2PRFIN20060207_220112_000000442045_00015_20610_8249.N1	07-FEB-2006 22:01:12	Twilight	44.000	8	10Alp CMi	0.40000	6500.0	88	20610	No
343	GOM_NL__2PRFIN20060207_220453_000000372045_00015_20610_8250.N1	07-FEB-2006 22:04:53	Bright	37.000	44	24Gam Gem	1.9280	11000.	74	20610	No
344	GOM_NL__2PRFIN20060207_220711_000000372045_00015_20610_8251.N1	07-FEB-2006 22:07:11	Bright	37.000	170	27Eps Gem	3.0000	9700.0	74	20610	No
345	GOM_NL__2PRFIN20060207_220844_000000372045_00015_20610_8252.N1	07-FEB-2006 22:08:44	Bright	36.500	24	66Alp Gem	1.5800	10200.	73	20610	No
346	GOM_NL__2PRFIN20060207_221311_000000362045_00015_20610_8253.N1	07-FEB-2006 22:13:11	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	20610	No
347	GOM_NL__2PRFIN20060207_222503_000000342045_00015_20610_8254.N1	07-FEB-2006 22:25:03	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	20610	No
348	GOM_NL__2PRFIN20060207_223136_000000362045_00015_20610_8255.N1	07-FEB-2006 22:31:36	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	20610	No
349	GOM_NL__2PRFIN20060207_223730_000000342045_00015_20610_8256.N1	07-FEB-2006 22:37:30	Bright	33.500	144	18Del Cyg	2.8600	11000.	67	20610	No
350	GOM_NL__2PRFIN20060207_223951_000000342045_00015_20610_8257.N1	07-FEB-2006 22:39:51	Bright	34.000	5	3Alp Lyr	0.033000	11000.	68	20610	No
351	GOM_NL__2PRFIN20060207_224636_000000332045_00015_20610_8258.N1	07-FEB-2006 22:46:36	Bright	32.500	168	17Zet Aql	2.9860	11000.	65	20610	No
352	GOM_NL__2PRFIN20060207_225754_000000422045_00015_20610_8259.N1	07-FEB-2006 22:57:54	Twilight	42.000	137	22Lam Sgr	2.8240	4400.0	84	20610	No
353	GOM_NL__2PRFIN20060207_225913_000000432045_00015_20610_8260.N1	07-FEB-2006 22:59:13	Twilight	43.000	116	19Del Sgr	2.7000	4100.0	86	20610	No
354	GOM_NL__2PRFIN20060207_230023_000000402045_00015_20610_8261.N1	07-FEB-2006 23:00:23	Dark	39.500	38	20Eps Sgr	1.8360	11000.	79	20610	No
355	GOM_NL__2PRFIN20060207_230210_000000412045_00015_20610_8262.N1	07-FEB-2006 23:02:10	Dark	41.000	25	35Lam Sco	1.6200	28000.	82	20610	No
356	GOM_NL__2PRFIN20060207_230334_000000412045_00015_20610_8263.N1	07-FEB-2006 23:03:34	Dark	41.000	40	The Sco	1.8590	7100.0	82	20610	No
357	GOM_NL__2PRFIN20060207_230524_000000362045_00015_20610_8264.N1	07-FEB-2006 23:05:24	Dark	35.500	147	Alp Ara	2.8770	26000.	71	20610	No
358	GOM_NL__2PRFIN20060207_230655_000000432045_00015_20610_8265.N1	07-FEB-2006 23:06:55	Dark	43.000	141	Bet Ara	2.8400	4600.0	86	20610	No
359	GOM_NL__2PRFIN20060207_231241_000000522045_00016_20611_8240.N1	07-FEB-2006 23:12:41	Dark	52.000	4	Alp1Cen	-0.010000	5800.0	104	20611	No
360	GOM_NL__2PRFIN20060207_231357_000000402045_00016_20611_8241.N1	07-FEB-2006 23:13:57	Dark	40.000	10	Bet Cen	0.61000	28000.	80	20611	No
361	GOM_NL__2PRFIN20060207_231713_000000432045_00016_20611_8242.N1	07-FEB-2006 23:17:13	Dark	43.000	12	Alp1Cru	0.77500	30000.	86	20611	No
362	GOM_NL__2PRFIN20060207_232014_000000392045_00016_20611_8243.N1	07-FEB-2006 23:20:14	Dark	39.000	29	Bet Car	1.6720	10200.	78	20611	No
363	GOM_NL__2PRFIN20060207_232244_000000412045_00016_20611_8244.N1	07-FEB-2006 23:22:44	Dark	40.500	71	lot Car	2.2460	7700.0	81	20611	No
364	GOM_NL__2PRFIN20060207_232425_000000432045_00016_20611_8245.N1	07-FEB-2006 23:24:25	Dark	42.500	46	Del Vel	1.9540	10600.	85	20611	No
365	GOM_NL__2PRFIN20060207_232652_000000402045_00016_20611_8246.N1	07-FEB-2006 23:26:52	Straylight	40.000	34	Gam2Vel	1.7930	23000.	80	20611	No
366	GOM_NL__2PRFIN20060207_232857_000000372045_00016_20611_8247.N1	07-FEB-2006 23:28:57	Straylight	37.000	70	Zet Pup	2.2460	39000.	74	20611	No
367	GOM_NL__2PRFIN20060207_233219_000000382045_00016_20611_8248.N1	07-FEB-2006 23:32:19	Straylight	38.000	88	31Eta CMa	2.4480	20000.	76	20611	No
368	GOM_NL__2PRFIN20060207_234148_000000452045_00016_20611_8249.N1	07-FEB-2006 23:41:48	Twilight	45.000	8	10Alp CMi	0.40000	6500.0	90	20611	No
369	GOM_NL__2PRFIN20060207_234529_000000372045_00016_20611_8250.N1	07-FEB-2006 23:45:29	Bright	37.000	44	24Gam Gem	1.9280	11000.	74	20611	No
370	GOM_NL__2PRFIN20060207_234747_000000352045_00016_20611_8251.N1	07-FEB-2006 23:47:47	Bright	35.000	170	27Eps Gem	3.0000	9700.0	70	20611	No
371	GOM_NL__2PRFIN20060207_234920_000000372045_00016_20611_8252.N1	07-FEB-2006 23:49:20	Bright	36.500	24	66Alp Gem	1.5800	10200.	73	20611	No
372	GOM_NL__2PRFIN20060207_235348_000000352045_00016_20611_8253.N1	07-FEB-2006 23:53:48	Bright	34.500	42	34Bet Aur	1.9000	10200.	69	20611	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.

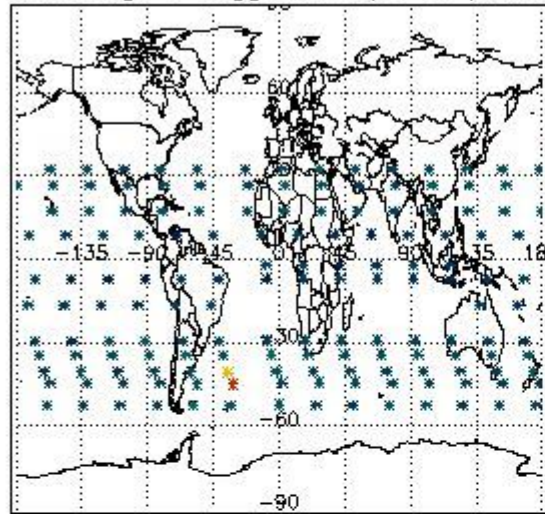
#### 3.1 Plot quality information per product (time dependant)



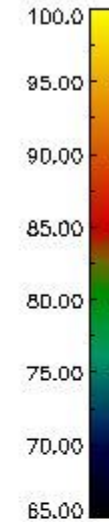
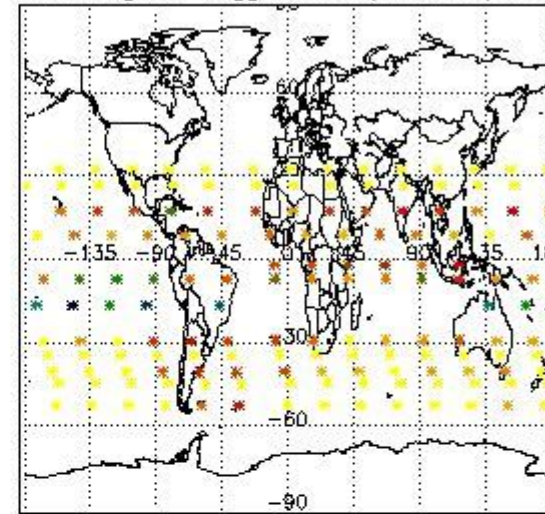


3.2 Plot quality information per product (world map)

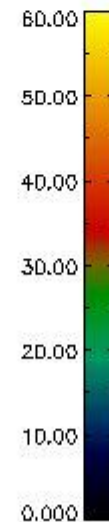
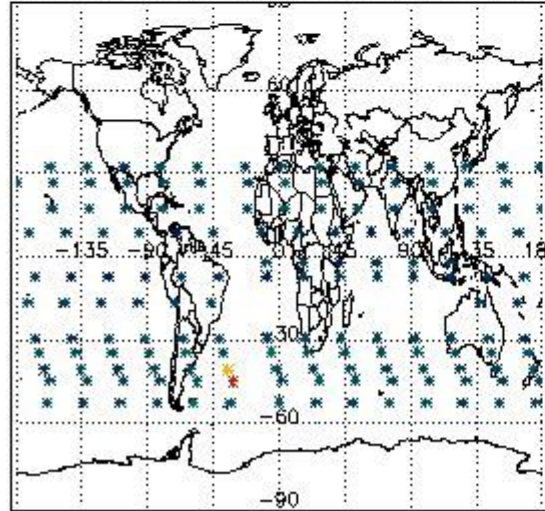
Percentage of flagged data per O3 profile



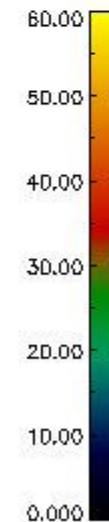
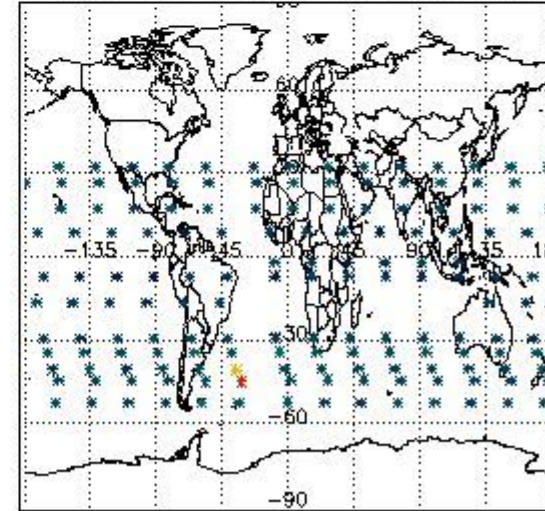
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

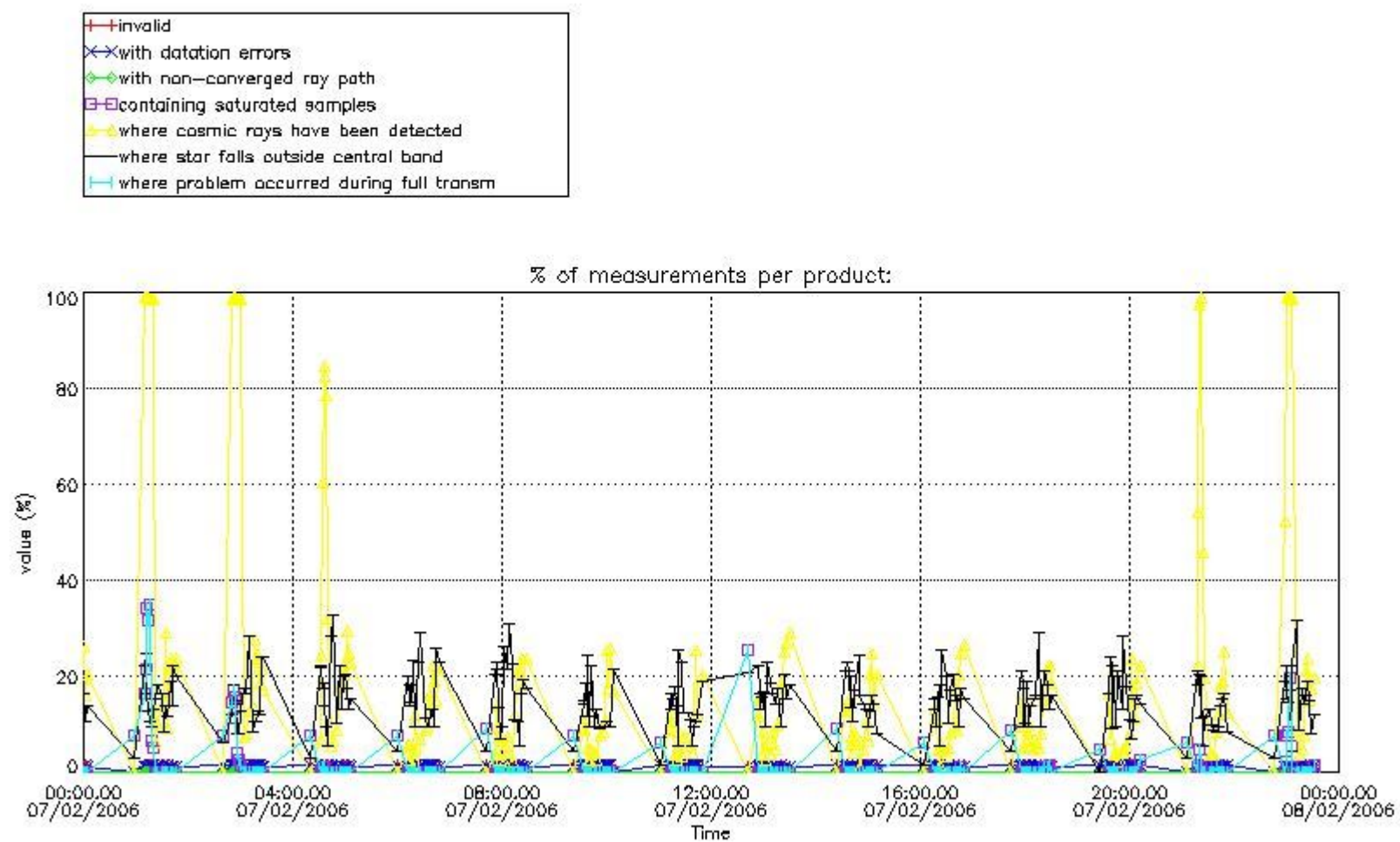


#### 4. Level 1 quality information per product

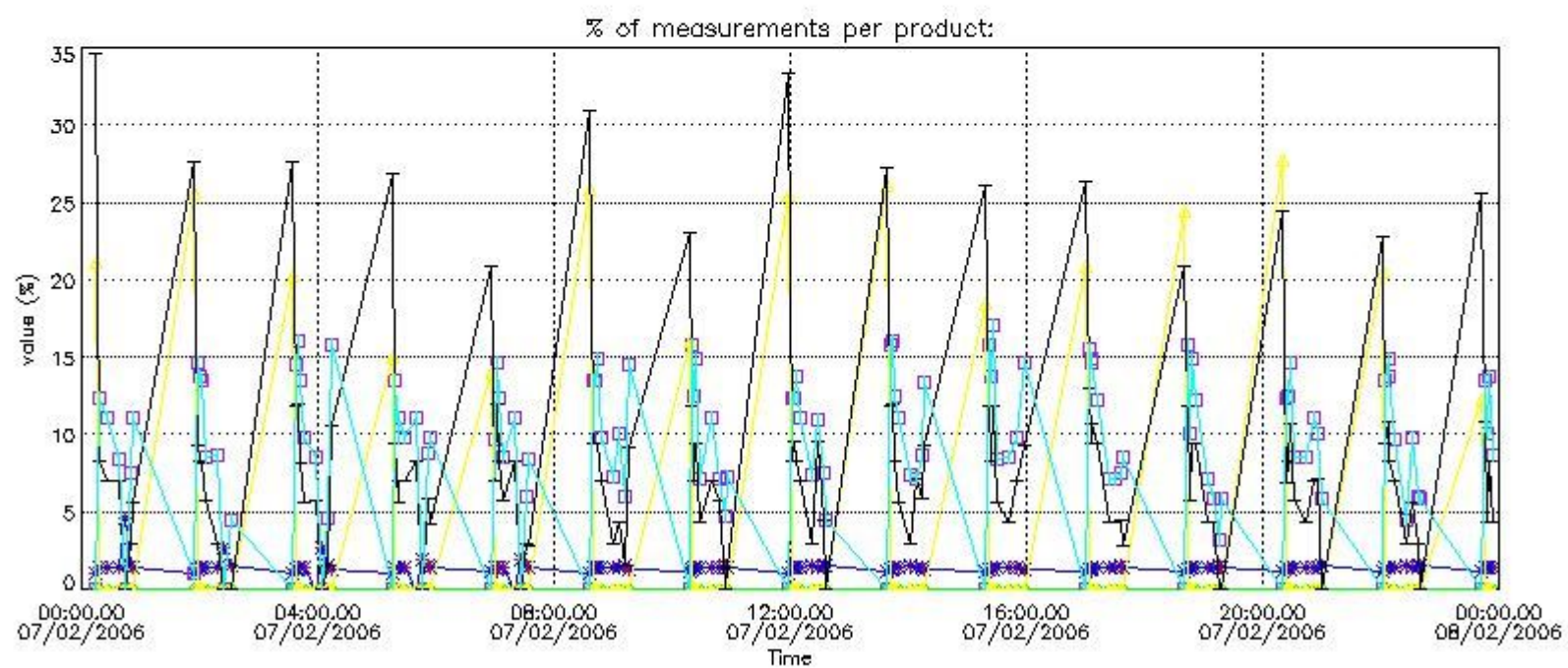
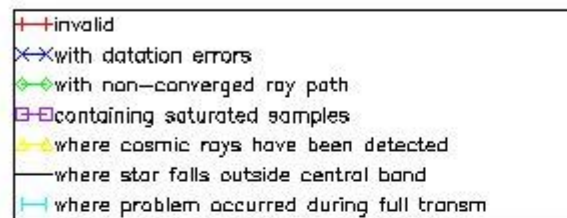
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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

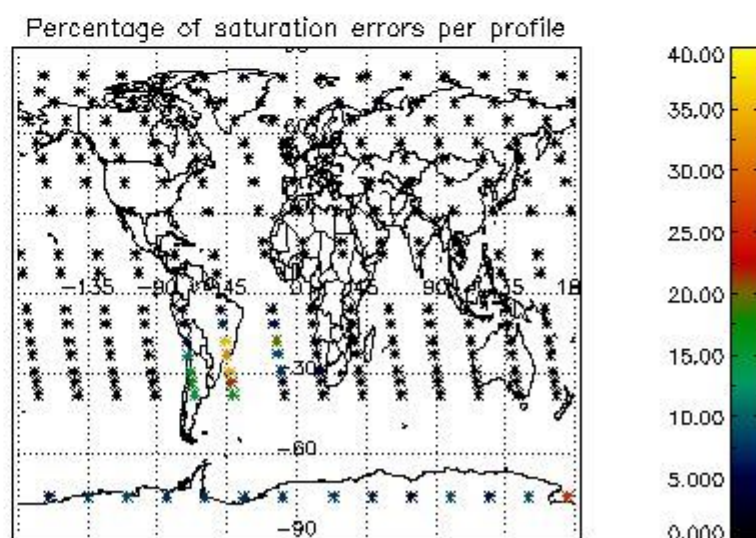
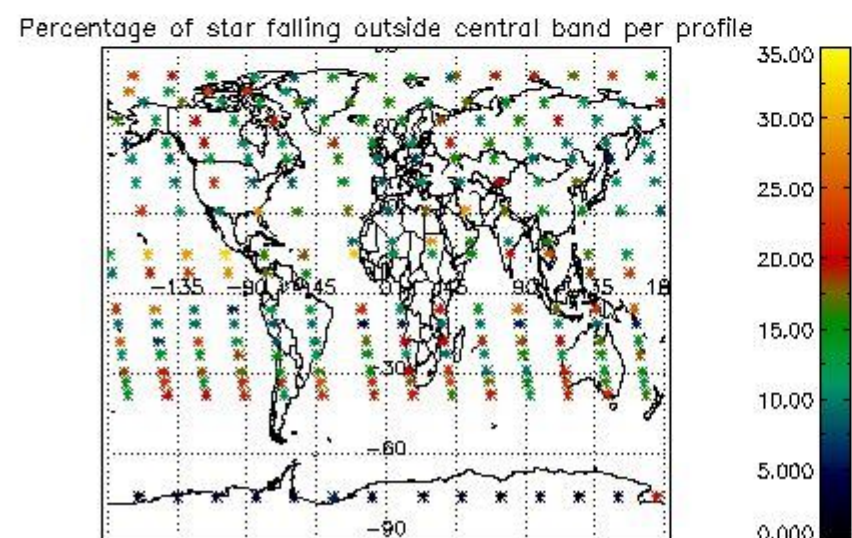
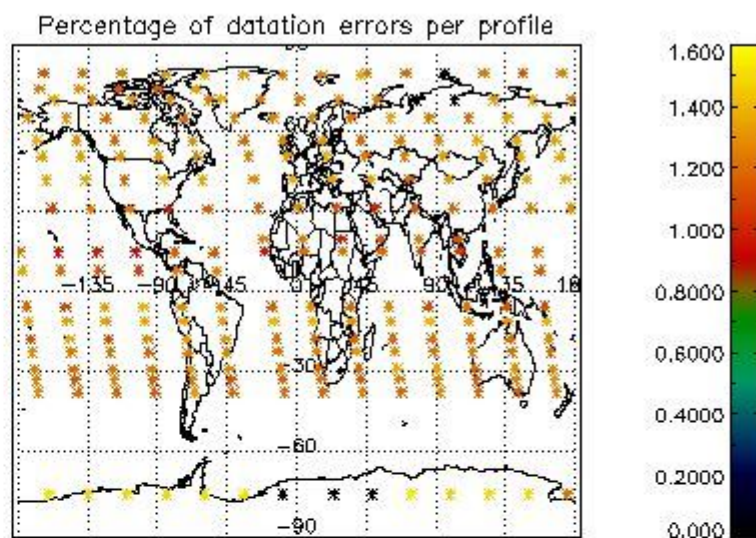
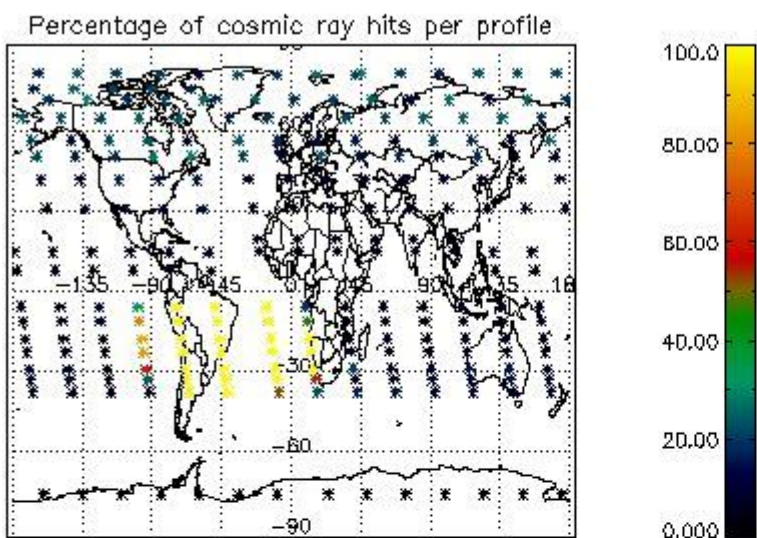


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

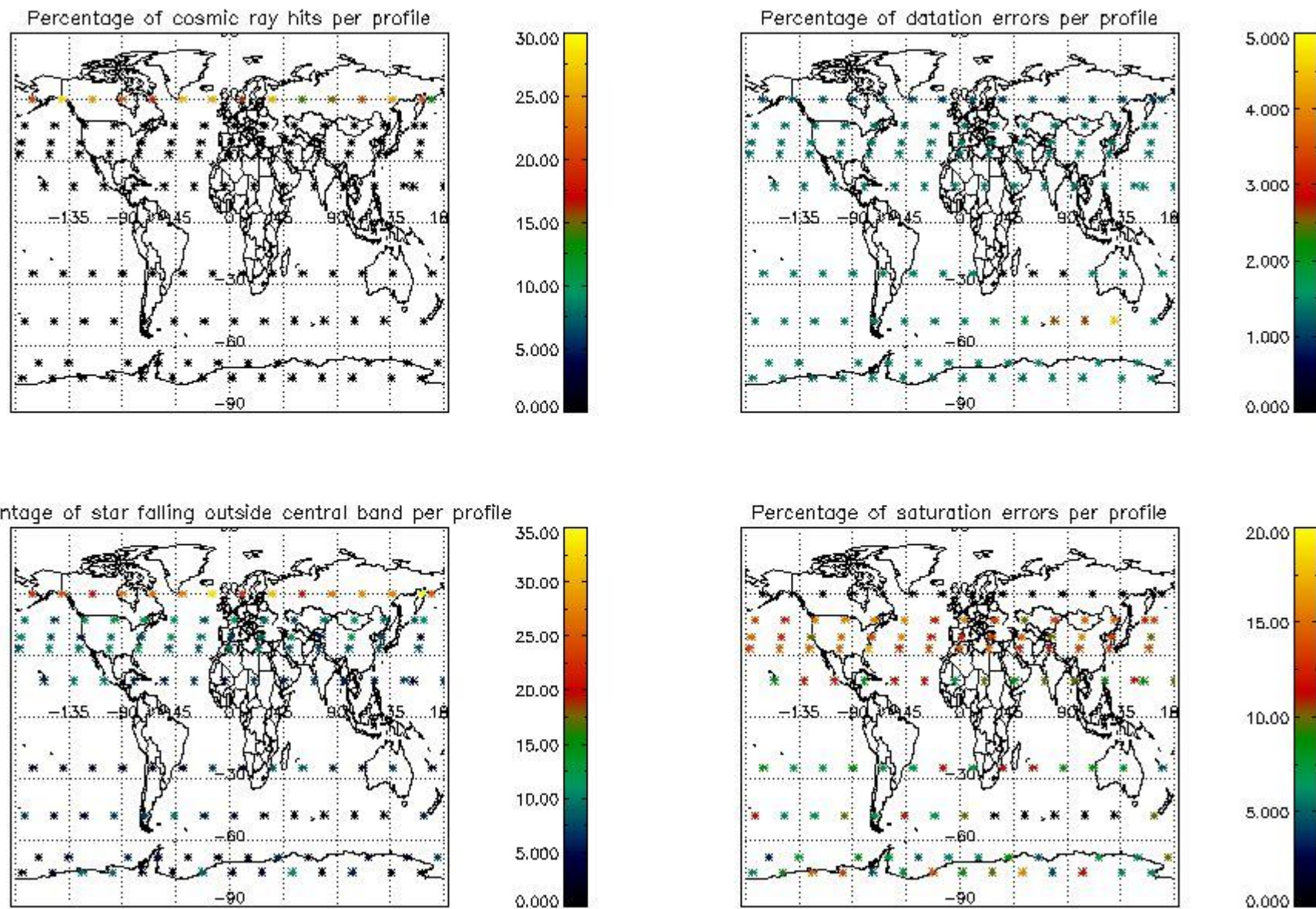


#### 4.2 Plot quality information per product coming from level 1b processing (world map)

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



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

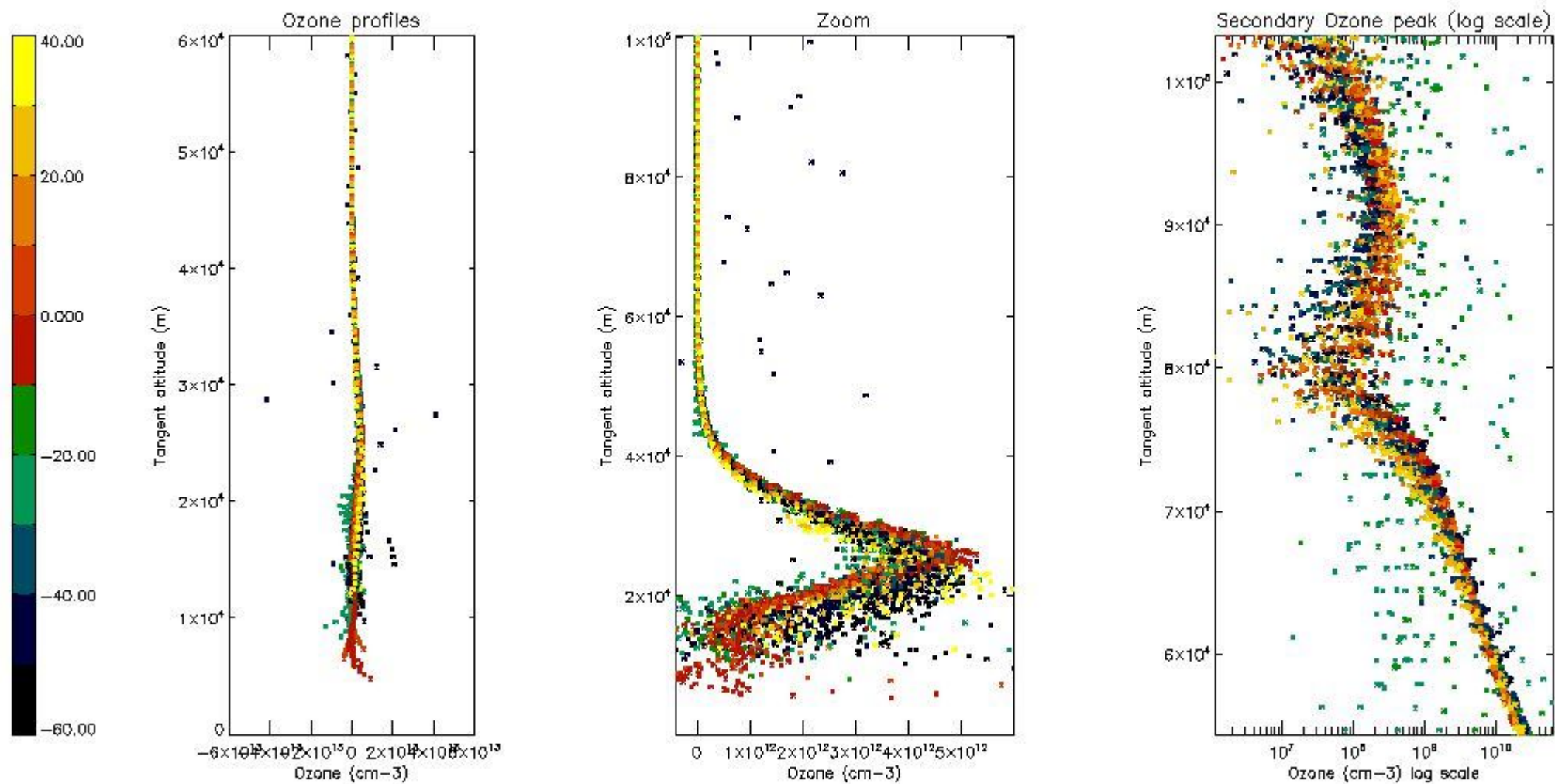
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	44
STD < 20	25

STD < 10	20
STD < 5	14

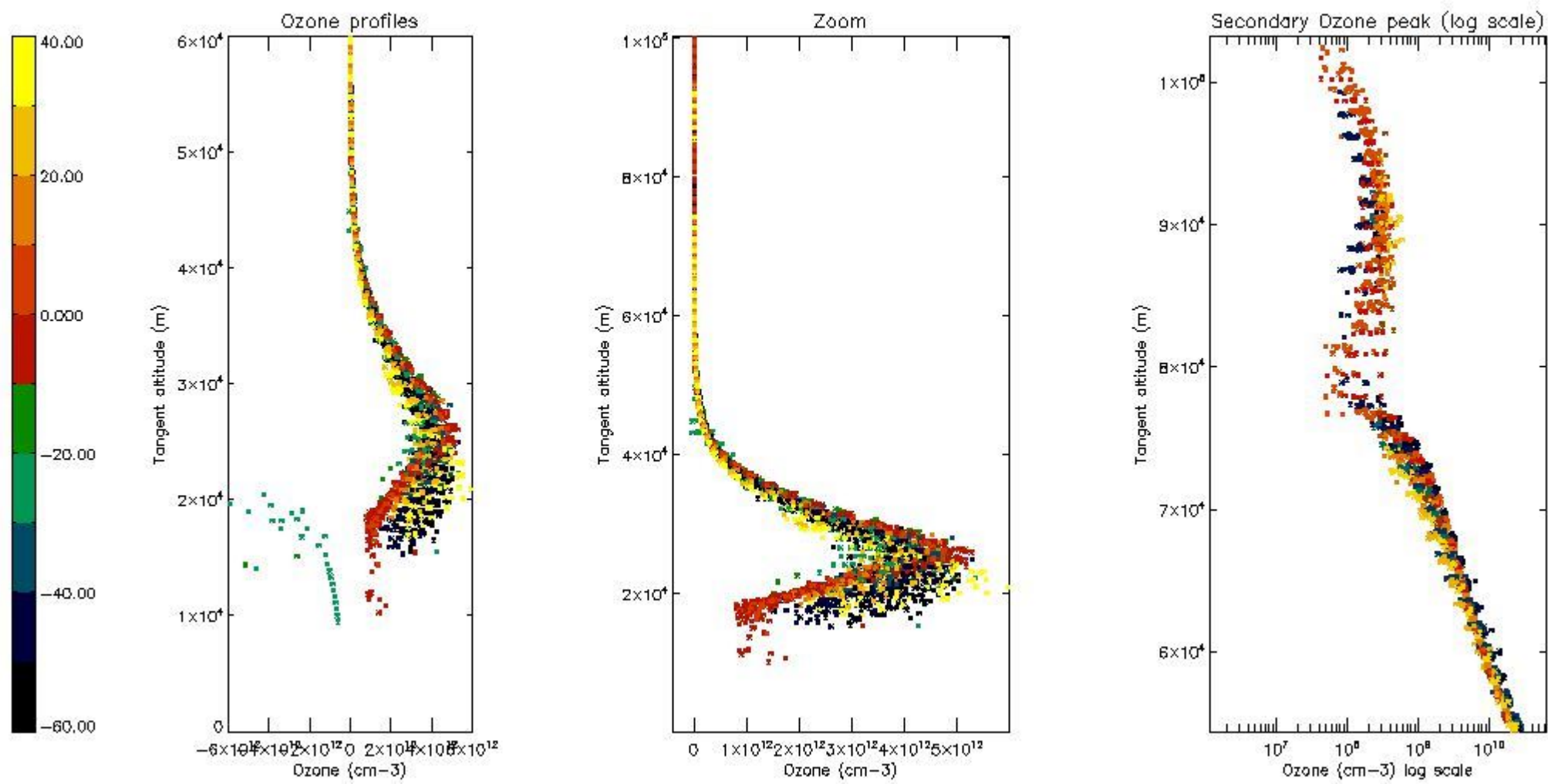
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

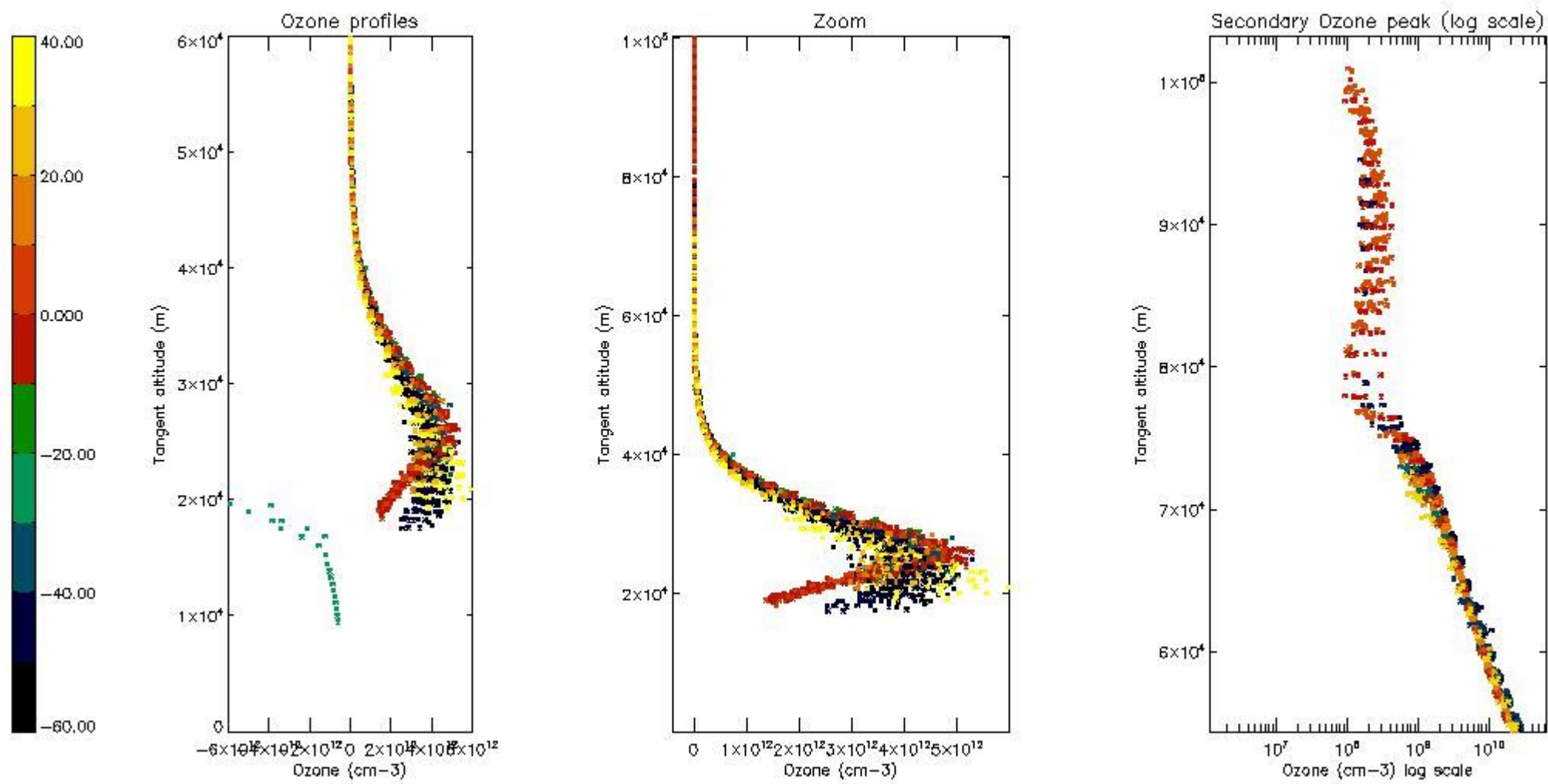
The colorbar represents the latitude.



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

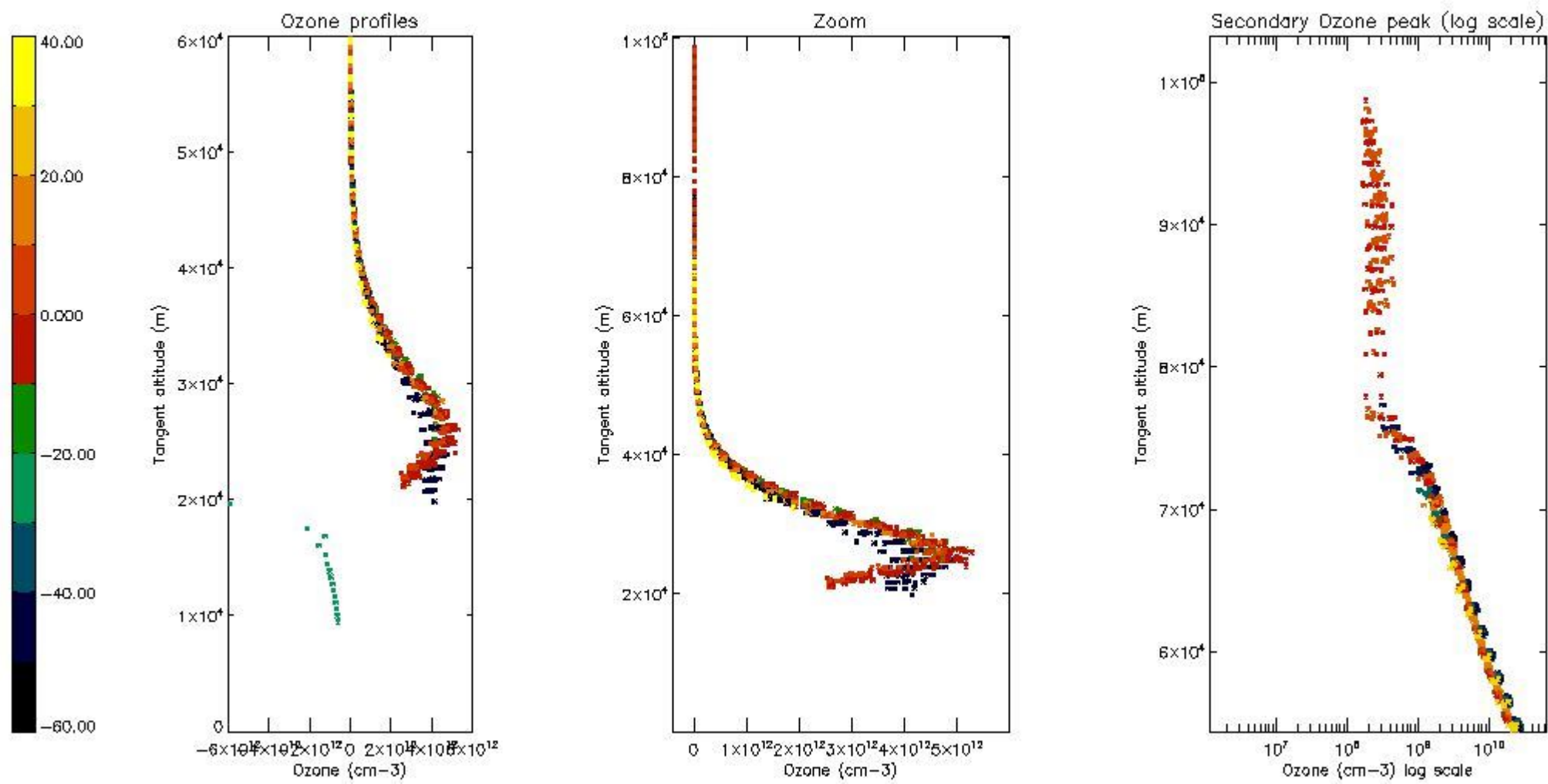
The colorbar represents the latitude.





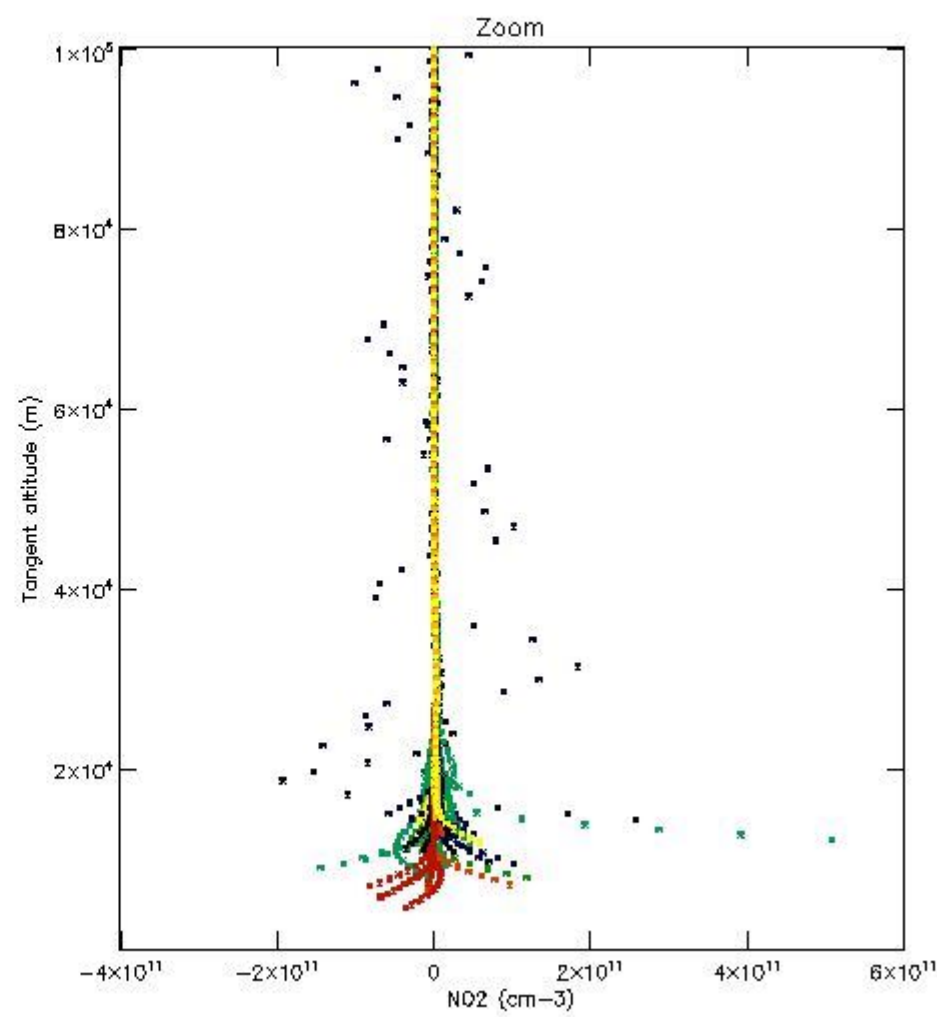
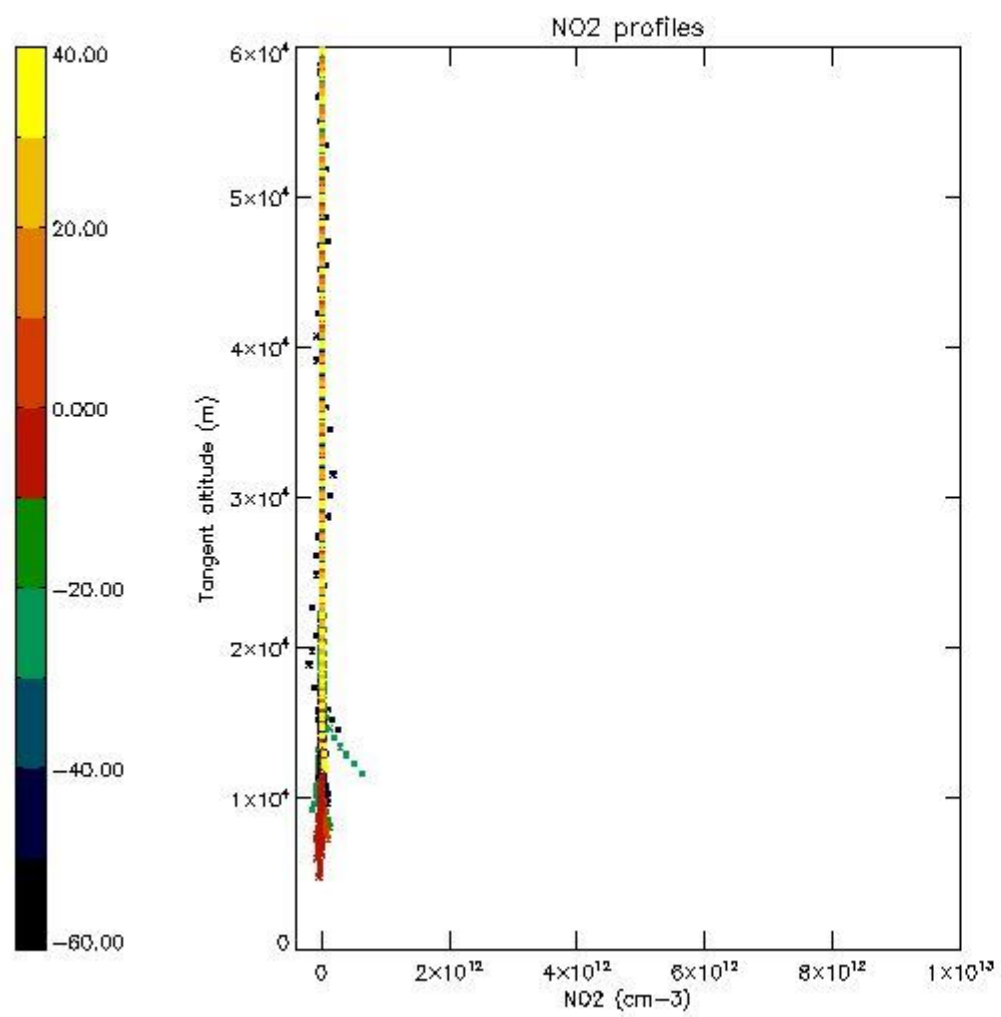
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



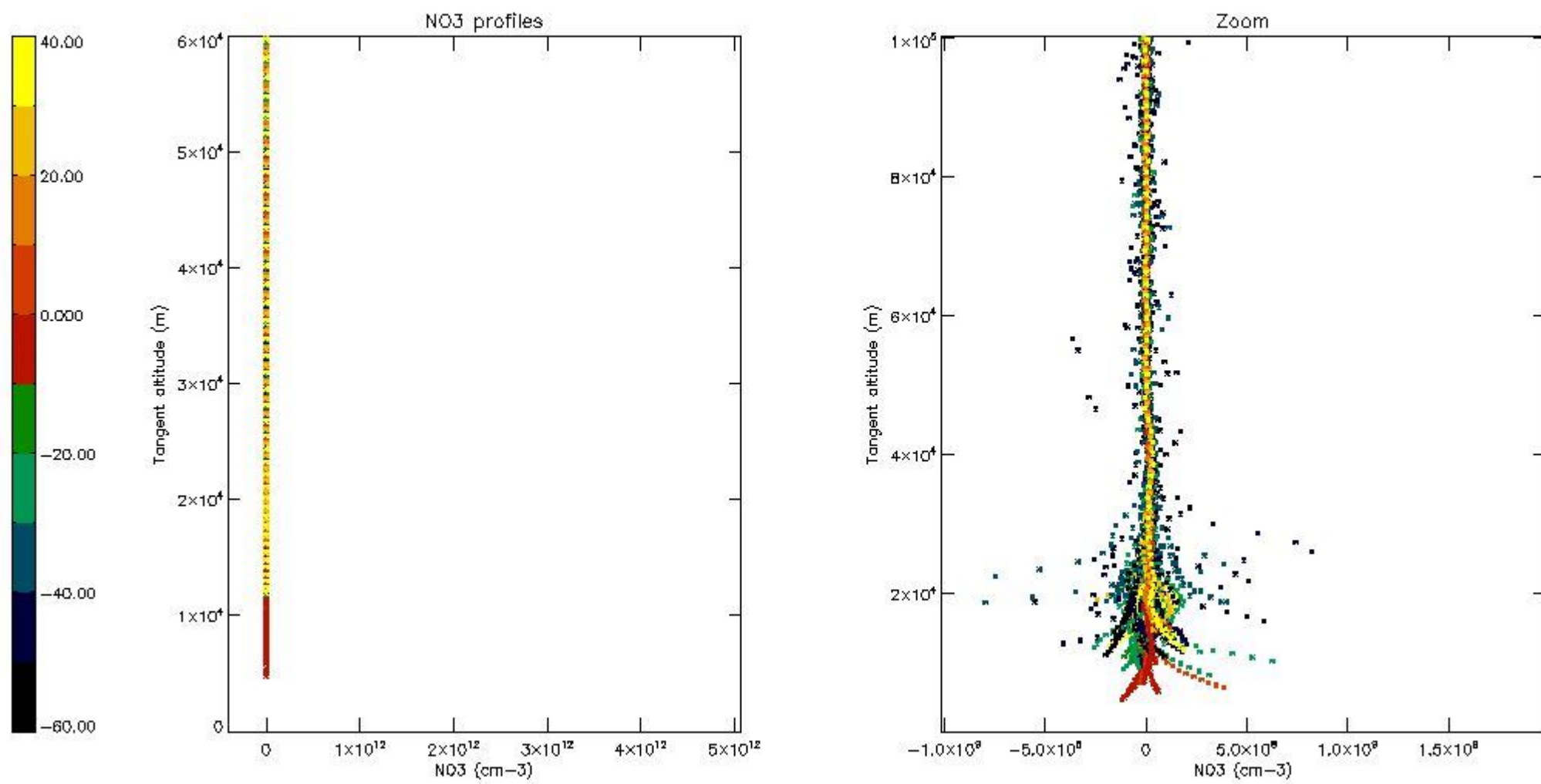
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



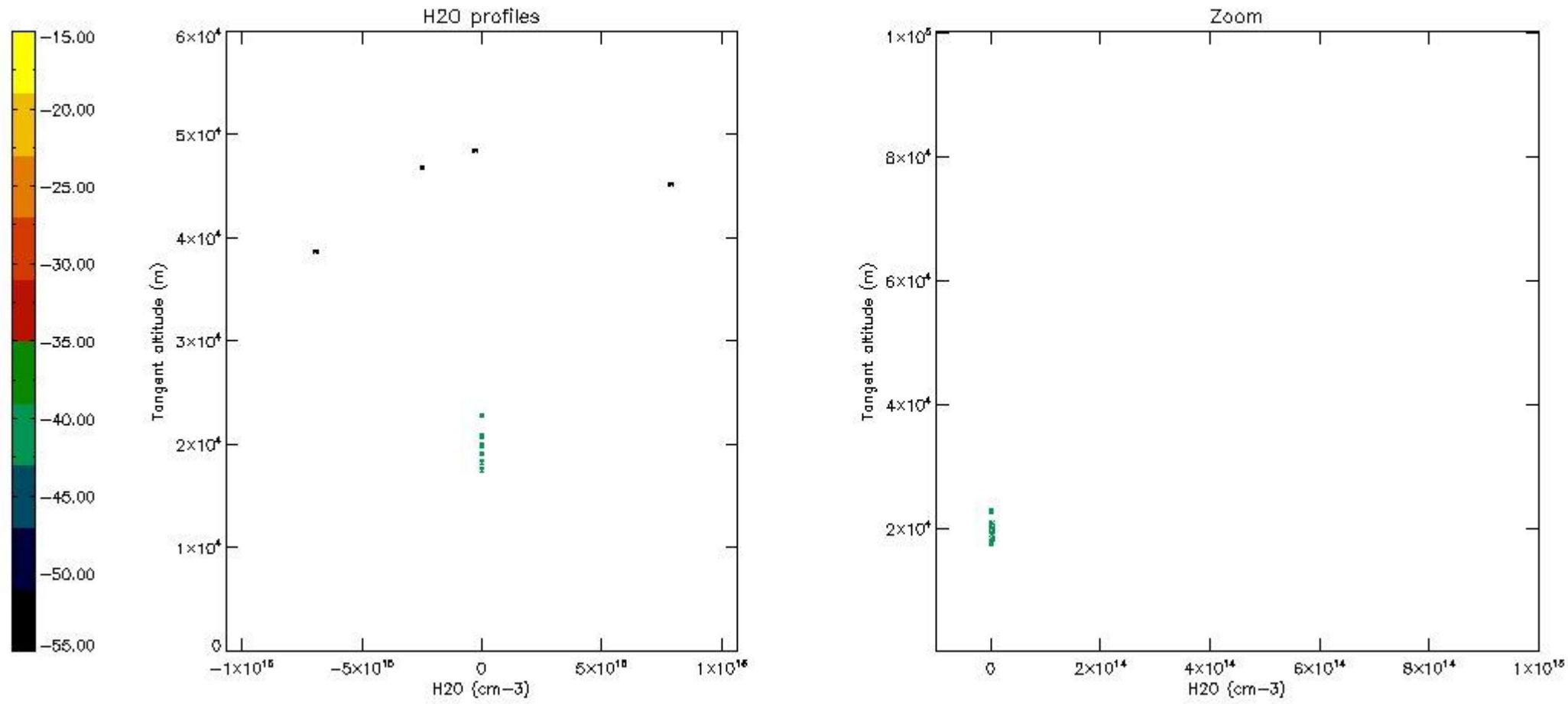
*5.7 Plot NO3 profiles for all STD (dark without errors)*

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	07-FEB-2006 00:00:31
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	07-FEB-2006 00:00:31
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	07-FEB-2006 00:00:31

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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 \(dark without errors\)](#)

#### [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](#)













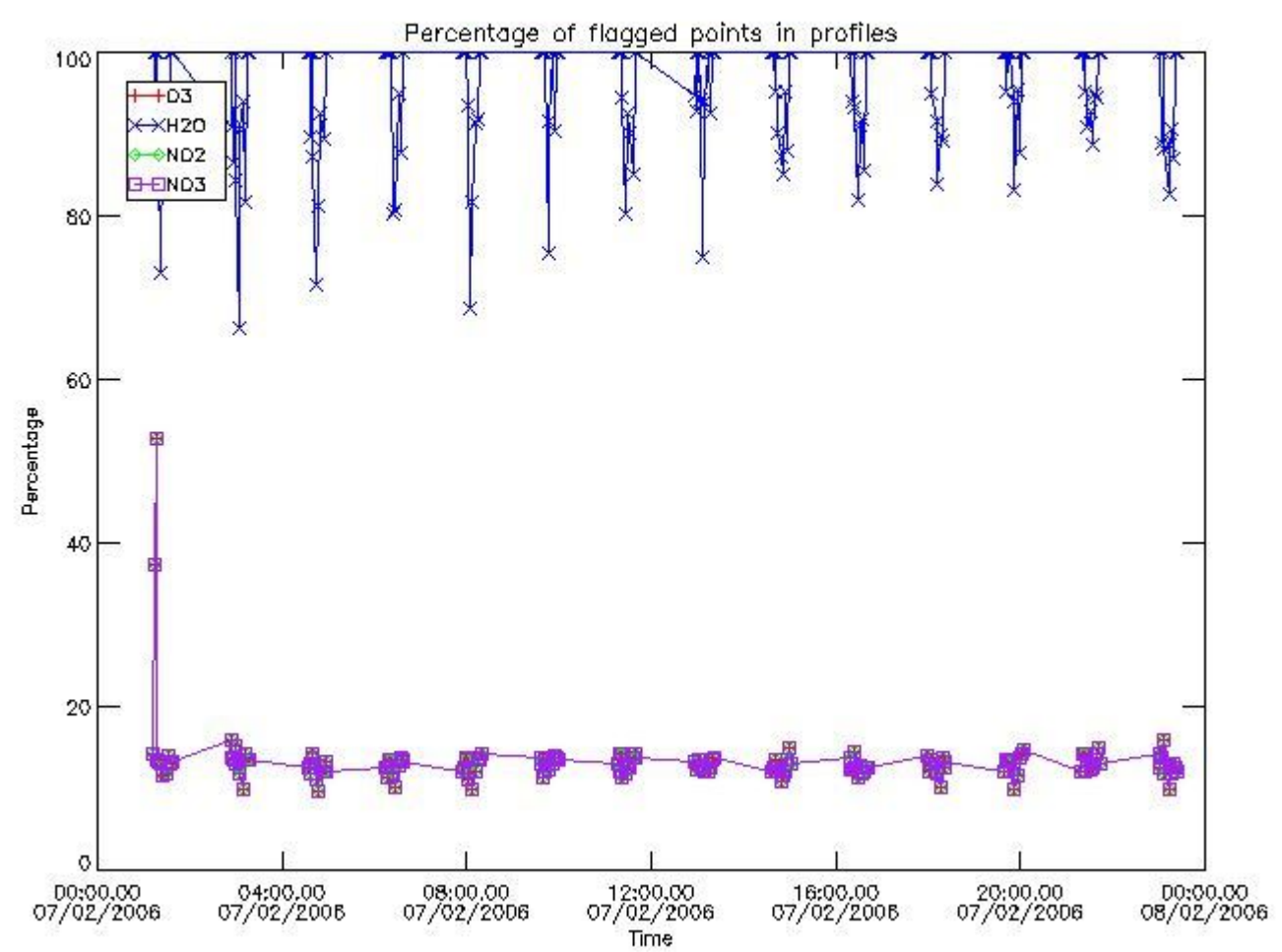


338	GOM_NL__2PRFIN20060207_214349_000000402045_00015_20610_8245.N1	07-FEB-2006 21:43:49	Dark	39.500	46	Del Vel	1.9540	10600.	79	20610	No
339	GOM_NL__2PRFIN20060207_214616_000000402045_00015_20610_8246.N1	07-FEB-2006 21:46:16	Straylight	39.500	34	Gam2Vel	1.7930	23000.	79	20610	No
340	GOM_NL__2PRFIN20060207_214821_000000402045_00015_20610_8247.N1	07-FEB-2006 21:48:21	Straylight	40.000	70	Zet Pup	2.2460	39000.	80	20610	No
341	GOM_NL__2PRFIN20060207_215143_000000372045_00015_20610_8248.N1	07-FEB-2006 21:51:43	Straylight	36.500	88	31Eta CMa	2.4480	20000.	73	20610	No
342	GOM_NL__2PRFIN20060207_220112_000000442045_00015_20610_8249.N1	07-FEB-2006 22:01:12	Twilight	44.000	8	10Alp CMi	0.40000	6500.0	88	20610	No
343	GOM_NL__2PRFIN20060207_220453_000000372045_00015_20610_8250.N1	07-FEB-2006 22:04:53	Bright	37.000	44	24Gam Gem	1.9280	11000.	74	20610	No
344	GOM_NL__2PRFIN20060207_220711_000000372045_00015_20610_8251.N1	07-FEB-2006 22:07:11	Bright	37.000	170	27Eps Gem	3.0000	9700.0	74	20610	No
345	GOM_NL__2PRFIN20060207_220844_000000372045_00015_20610_8252.N1	07-FEB-2006 22:08:44	Bright	36.500	24	66Alp Gem	1.5800	10200.	73	20610	No
346	GOM_NL__2PRFIN20060207_221311_000000362045_00015_20610_8253.N1	07-FEB-2006 22:13:11	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	20610	No
347	GOM_NL__2PRFIN20060207_222503_000000342045_00015_20610_8254.N1	07-FEB-2006 22:25:03	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	20610	No
348	GOM_NL__2PRFIN20060207_223136_000000362045_00015_20610_8255.N1	07-FEB-2006 22:31:36	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	20610	No
349	GOM_NL__2PRFIN20060207_223730_000000342045_00015_20610_8256.N1	07-FEB-2006 22:37:30	Bright	33.500	144	18Del Cyg	2.8600	11000.	67	20610	No
350	GOM_NL__2PRFIN20060207_223951_000000342045_00015_20610_8257.N1	07-FEB-2006 22:39:51	Bright	34.000	5	3Alp Lyr	0.033000	11000.	68	20610	No
351	GOM_NL__2PRFIN20060207_224636_000000332045_00015_20610_8258.N1	07-FEB-2006 22:46:36	Bright	32.500	168	17Zet Aql	2.9860	11000.	65	20610	No
352	GOM_NL__2PRFIN20060207_225754_000000422045_00015_20610_8259.N1	07-FEB-2006 22:57:54	Twilight	42.000	137	22Lam Sgr	2.8240	4400.0	84	20610	No
353	GOM_NL__2PRFIN20060207_225913_000000432045_00015_20610_8260.N1	07-FEB-2006 22:59:13	Twilight	43.000	116	19Del Sgr	2.7000	4100.0	86	20610	No
354	GOM_NL__2PRFIN20060207_230023_000000402045_00015_20610_8261.N1	07-FEB-2006 23:00:23	Dark	39.500	38	20Eps Sgr	1.8360	11000.	79	20610	No
355	GOM_NL__2PRFIN20060207_230210_000000412045_00015_20610_8262.N1	07-FEB-2006 23:02:10	Dark	41.000	25	35Lam Sco	1.6200	28000.	82	20610	No
356	GOM_NL__2PRFIN20060207_230334_000000412045_00015_20610_8263.N1	07-FEB-2006 23:03:34	Dark	41.000	40	The Sco	1.8590	7100.0	82	20610	No
357	GOM_NL__2PRFIN20060207_230524_000000362045_00015_20610_8264.N1	07-FEB-2006 23:05:24	Dark	35.500	147	Alp Ara	2.8770	26000.	71	20610	No
358	GOM_NL__2PRFIN20060207_230655_000000432045_00015_20610_8265.N1	07-FEB-2006 23:06:55	Dark	43.000	141	Bet Ara	2.8400	4600.0	86	20610	No
359	GOM_NL__2PRFIN20060207_231241_000000522045_00016_20611_8240.N1	07-FEB-2006 23:12:41	Dark	52.000	4	Alp1Cen	-0.010000	5800.0	104	20611	No
360	GOM_NL__2PRFIN20060207_231357_000000402045_00016_20611_8241.N1	07-FEB-2006 23:13:57	Dark	40.000	10	Bet Cen	0.61000	28000.	80	20611	No
361	GOM_NL__2PRFIN20060207_231713_000000432045_00016_20611_8242.N1	07-FEB-2006 23:17:13	Dark	43.000	12	Alp1Cru	0.77500	30000.	86	20611	No
362	GOM_NL__2PRFIN20060207_232014_000000392045_00016_20611_8243.N1	07-FEB-2006 23:20:14	Dark	39.000	29	Bet Car	1.6720	10200.	78	20611	No
363	GOM_NL__2PRFIN20060207_232244_000000412045_00016_20611_8244.N1	07-FEB-2006 23:22:44	Dark	40.500	71	lot Car	2.2460	7700.0	81	20611	No
364	GOM_NL__2PRFIN20060207_232425_000000432045_00016_20611_8245.N1	07-FEB-2006 23:24:25	Dark	42.500	46	Del Vel	1.9540	10600.	85	20611	No
365	GOM_NL__2PRFIN20060207_232652_000000402045_00016_20611_8246.N1	07-FEB-2006 23:26:52	Straylight	40.000	34	Gam2Vel	1.7930	23000.	80	20611	No
366	GOM_NL__2PRFIN20060207_232857_000000372045_00016_20611_8247.N1	07-FEB-2006 23:28:57	Straylight	37.000	70	Zet Pup	2.2460	39000.	74	20611	No
367	GOM_NL__2PRFIN20060207_233219_000000382045_00016_20611_8248.N1	07-FEB-2006 23:32:19	Straylight	38.000	88	31Eta CMa	2.4480	20000.	76	20611	No
368	GOM_NL__2PRFIN20060207_234148_000000452045_00016_20611_8249.N1	07-FEB-2006 23:41:48	Twilight	45.000	8	10Alp CMi	0.40000	6500.0	90	20611	No
369	GOM_NL__2PRFIN20060207_234529_000000372045_00016_20611_8250.N1	07-FEB-2006 23:45:29	Bright	37.000	44	24Gam Gem	1.9280	11000.	74	20611	No
370	GOM_NL__2PRFIN20060207_234747_000000352045_00016_20611_8251.N1	07-FEB-2006 23:47:47	Bright	35.000	170	27Eps Gem	3.0000	9700.0	70	20611	No
371	GOM_NL__2PRFIN20060207_234920_000000372045_00016_20611_8252.N1	07-FEB-2006 23:49:20	Bright	36.500	24	66Alp Gem	1.5800	10200.	73	20611	No
372	GOM_NL__2PRFIN20060207_235348_000000352045_00016_20611_8253.N1	07-FEB-2006 23:53:48	Bright	34.500	42	34Bet Aur	1.9000	10200.	69	20611	No

### 3. Quality information per product

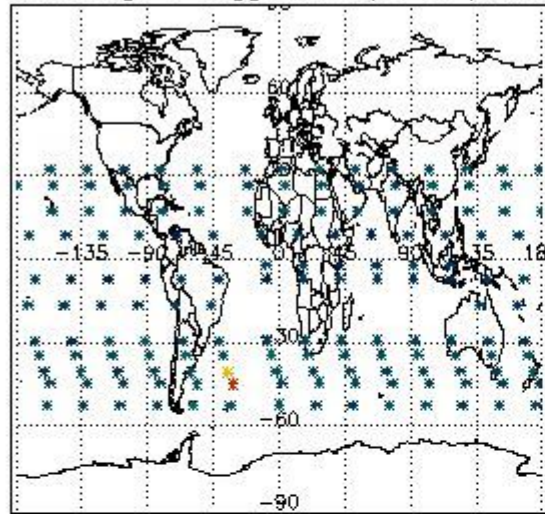
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

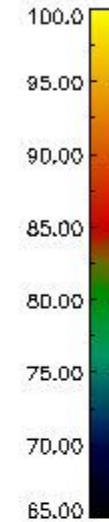
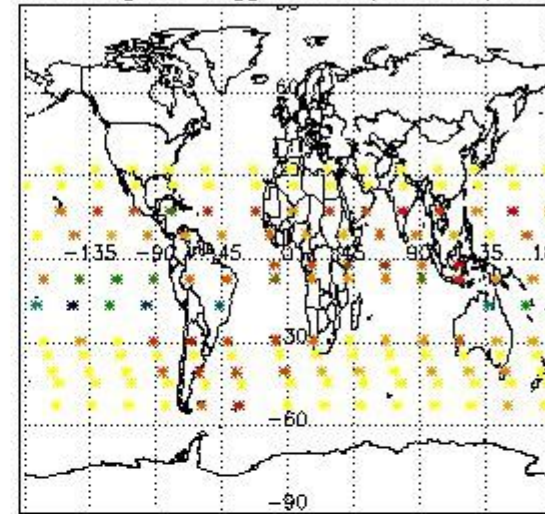


3.2 Plot quality information per product (world map)

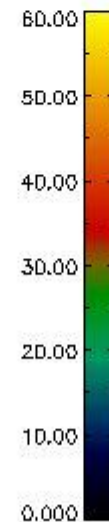
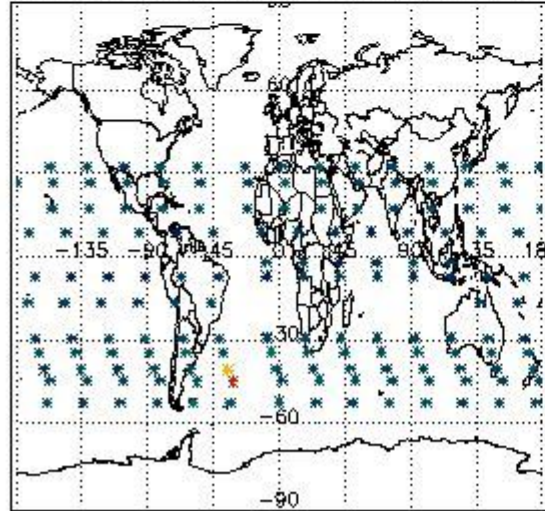
Percentage of flagged data per O3 profile



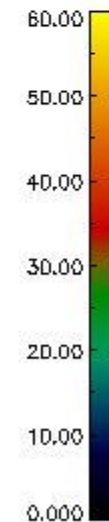
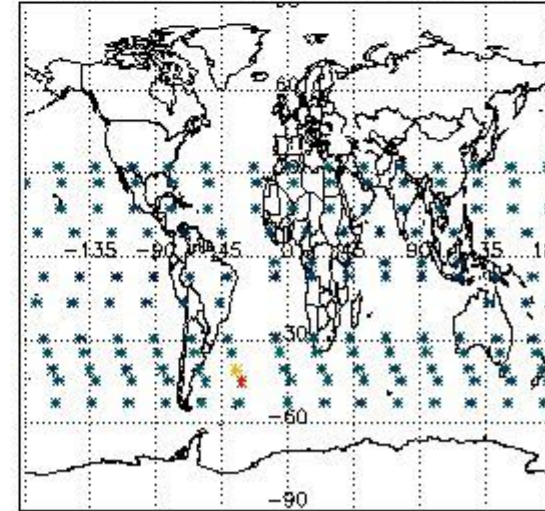
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

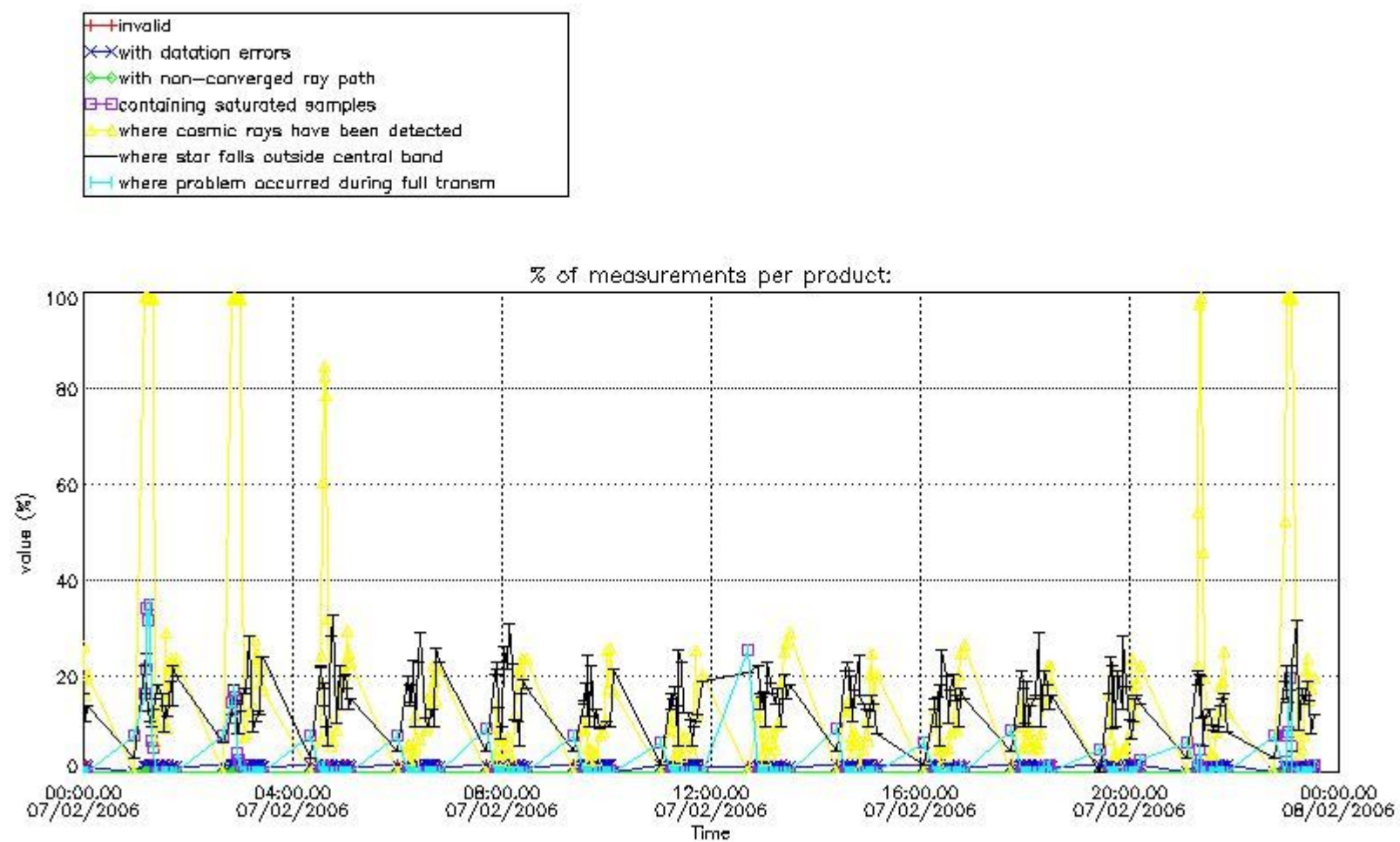


#### 4. Level 1 quality information per product

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.

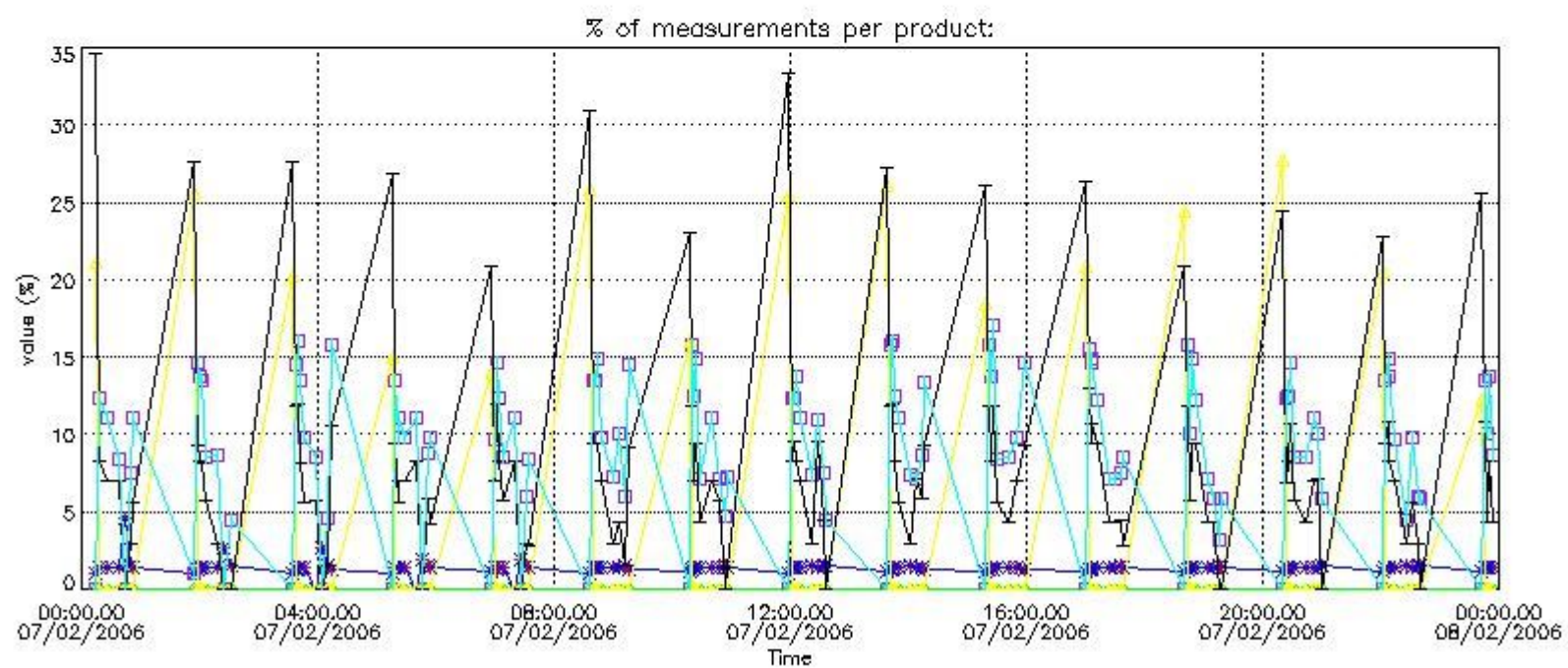
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

##### 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

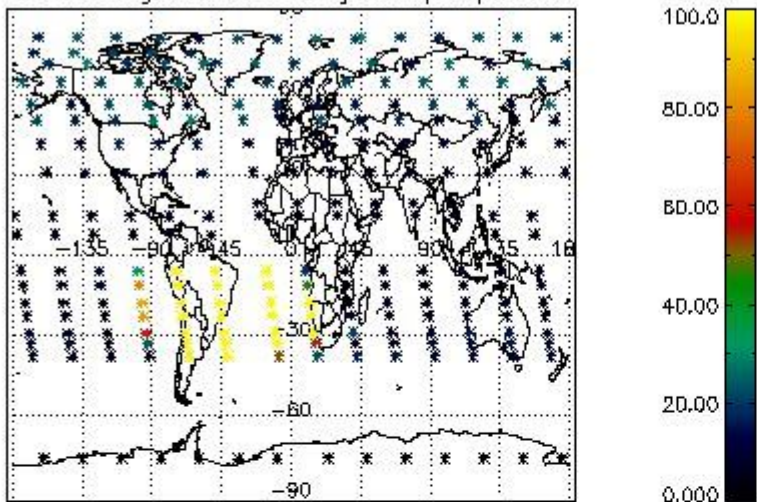




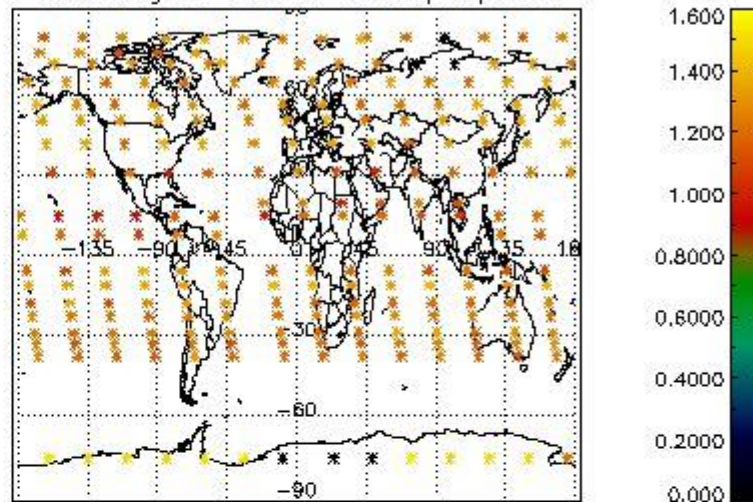
*4.2 Plot quality information per product coming from level 1b processing (world map)*

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

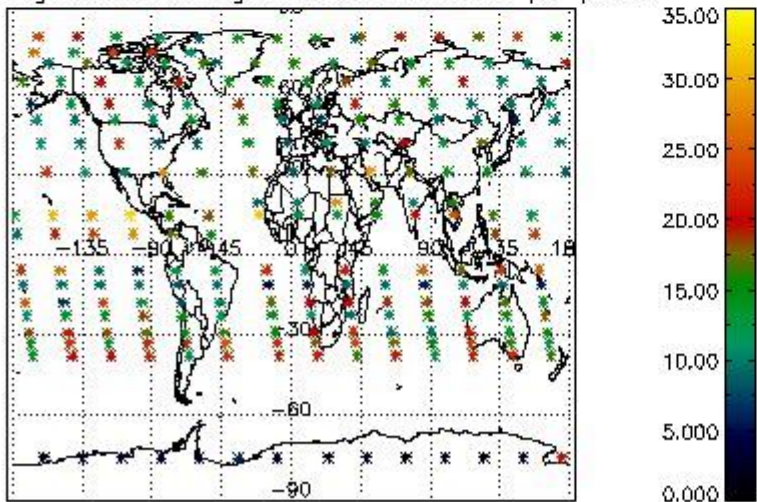
Percentage of cosmic ray hits per profile



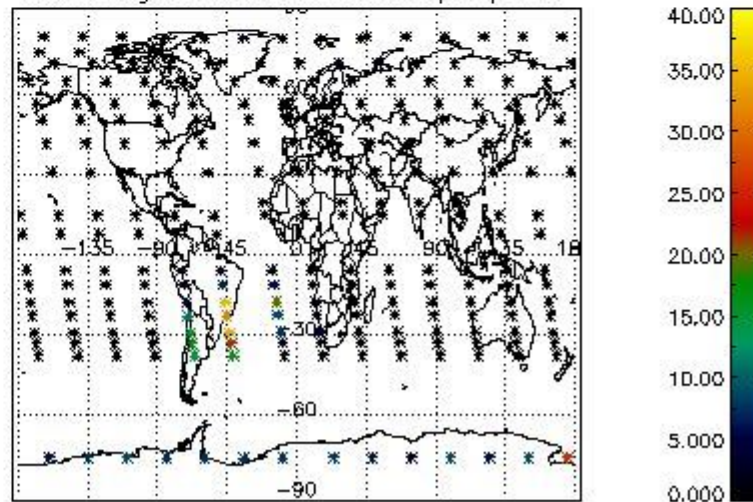
Percentage of datation errors per profile



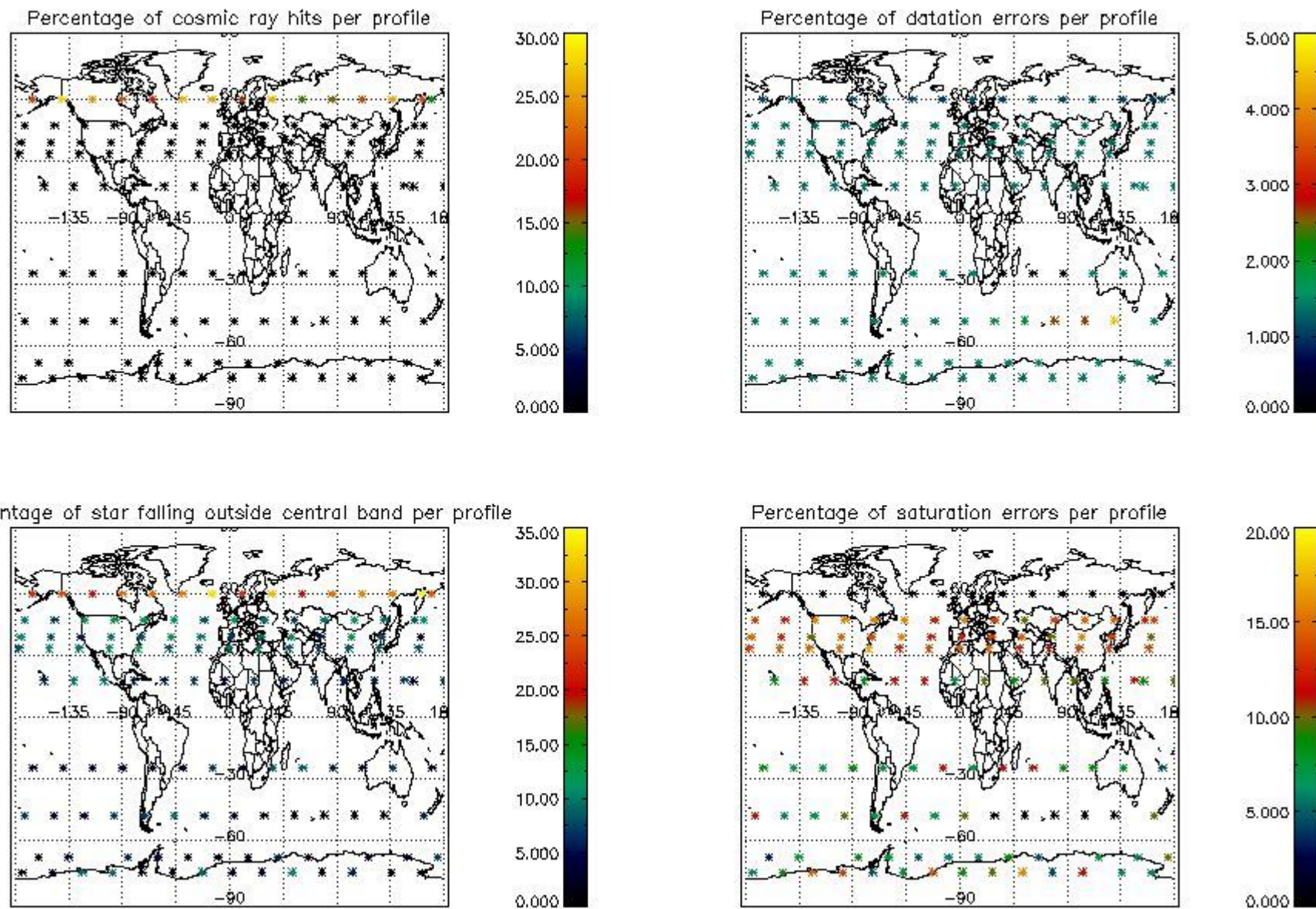
Percentage of star falling outside central band per profile



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

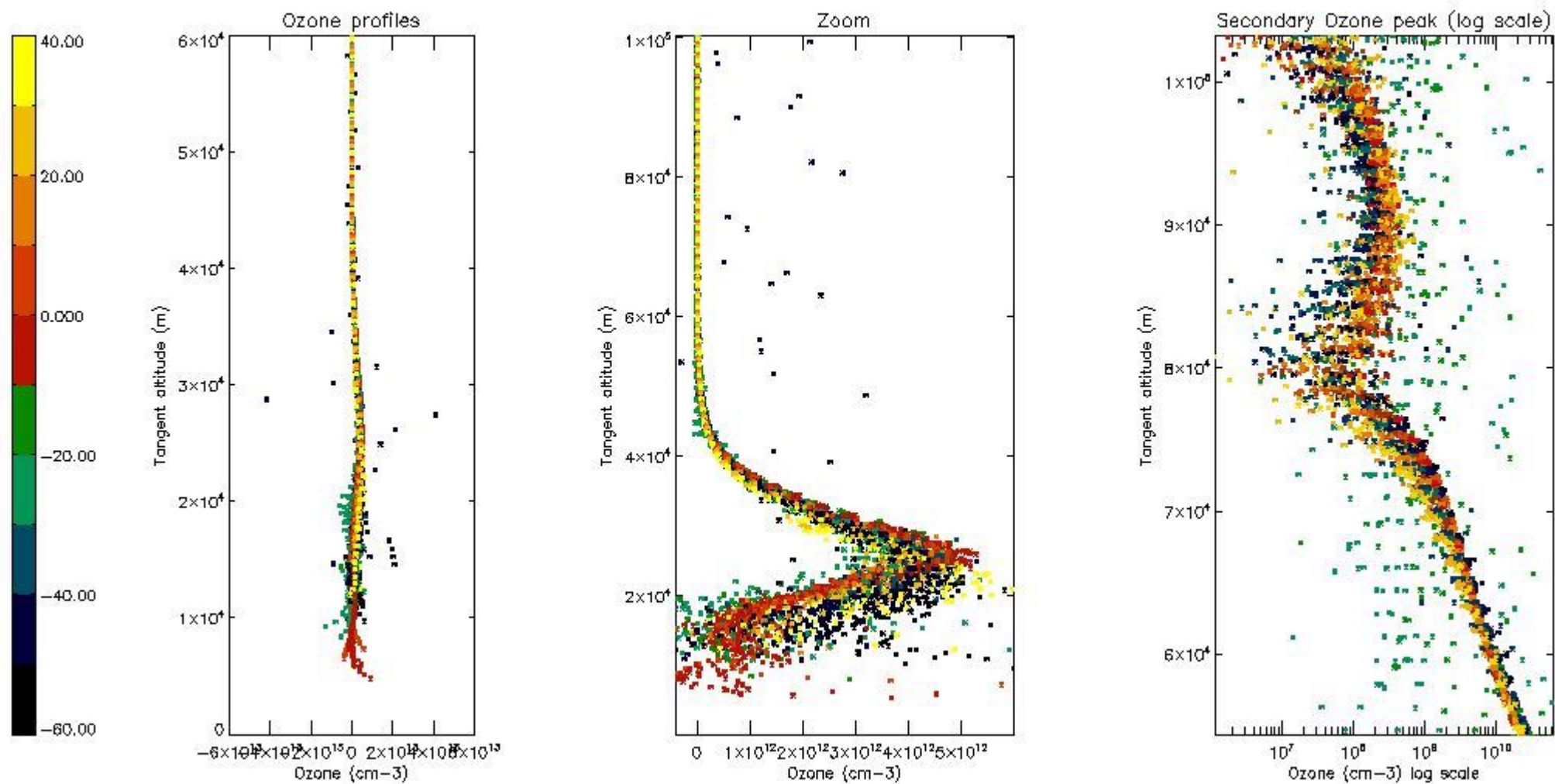
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	44
STD < 20	25

STD < 10	20
STD < 5	14

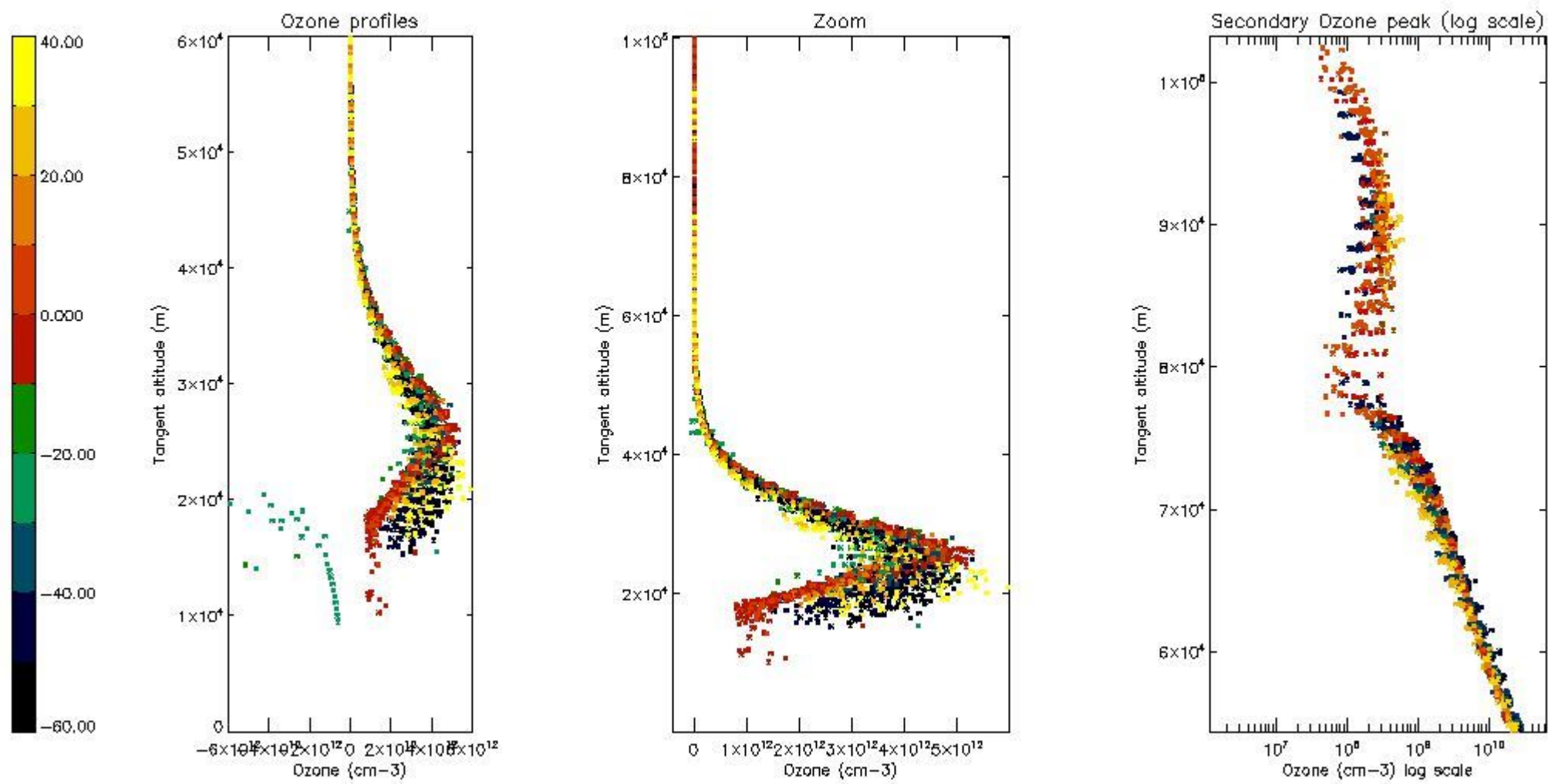
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



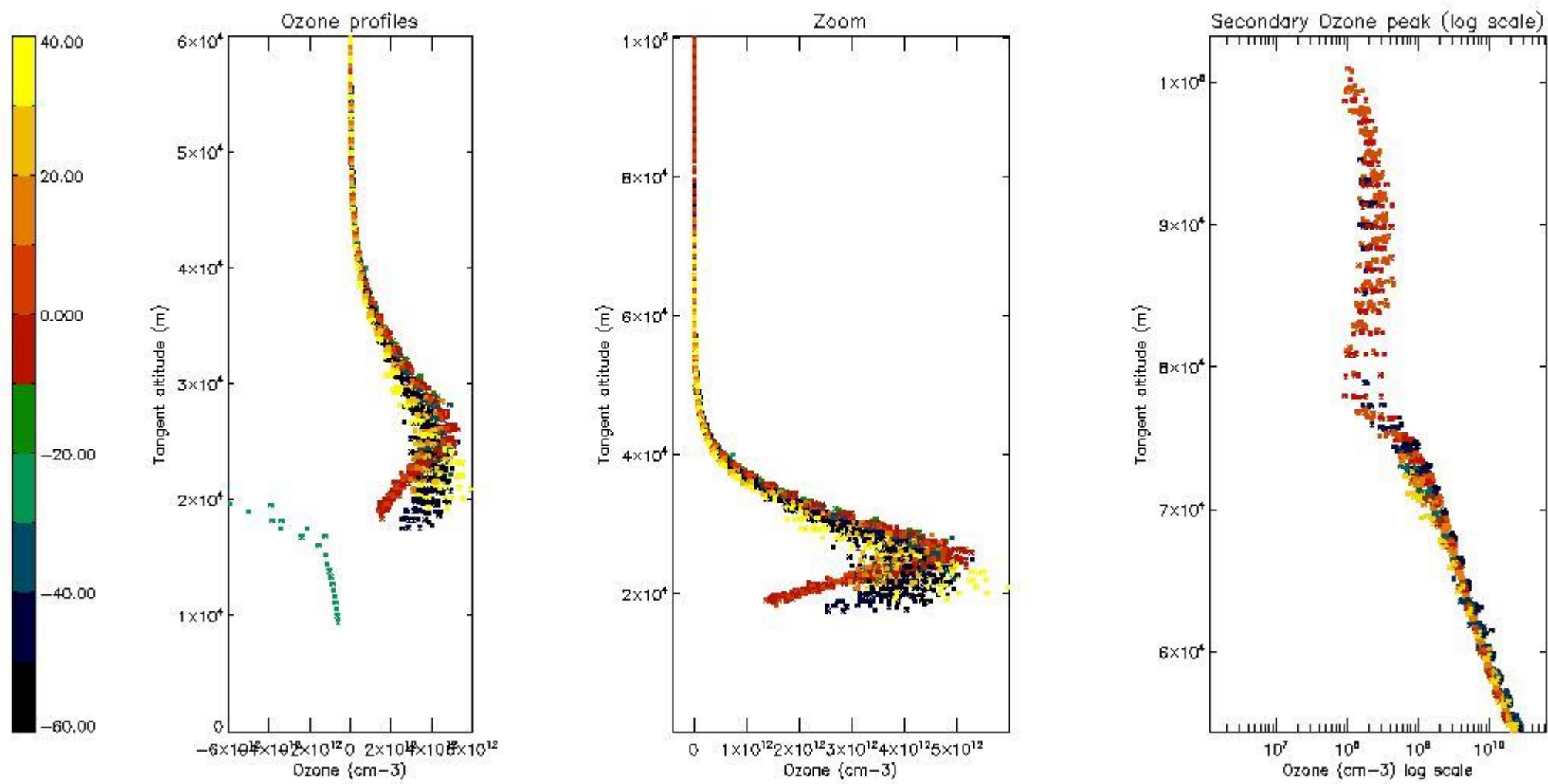
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



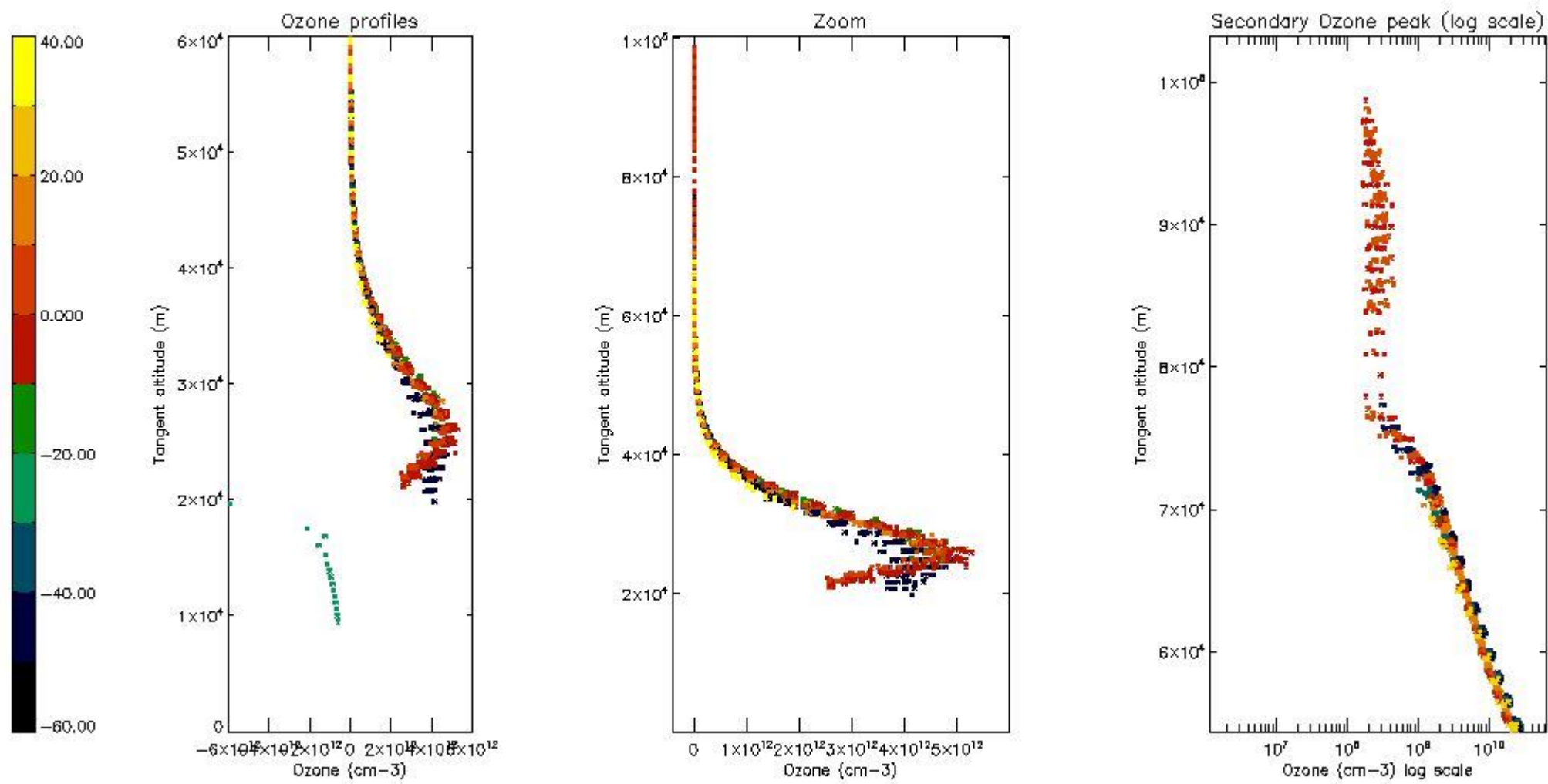
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



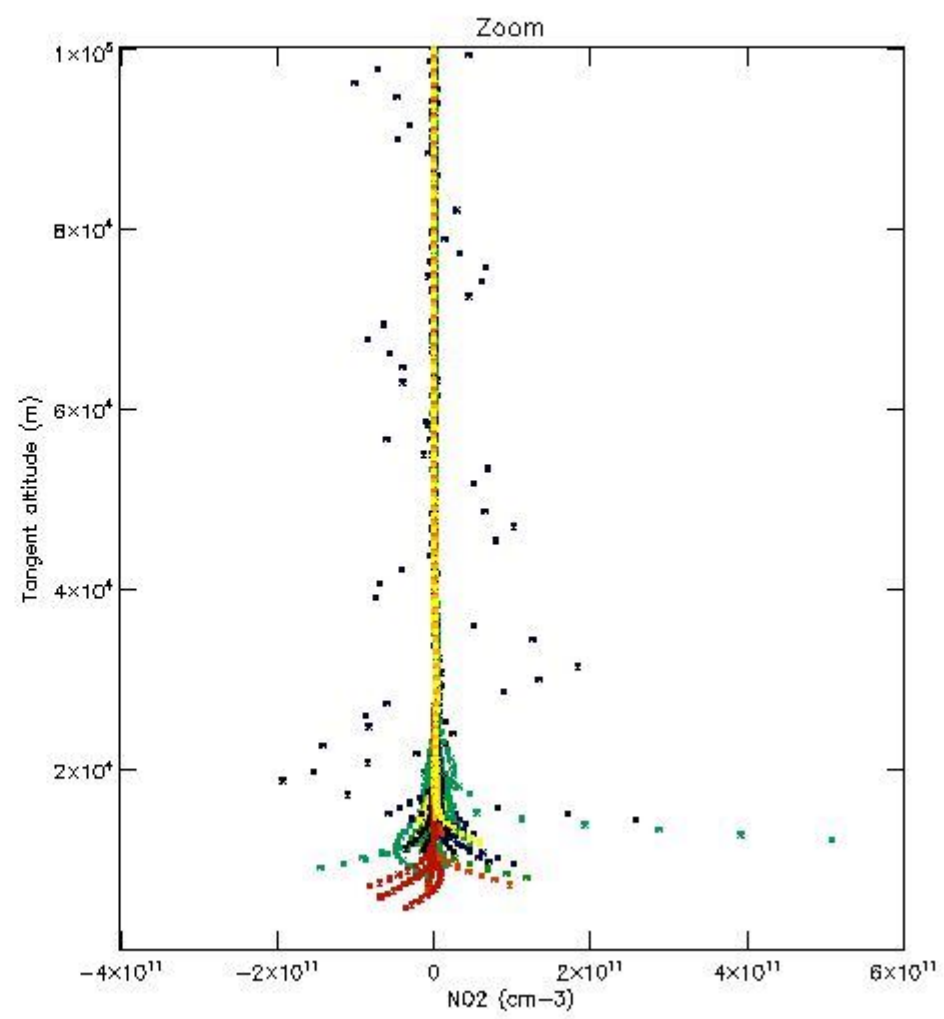
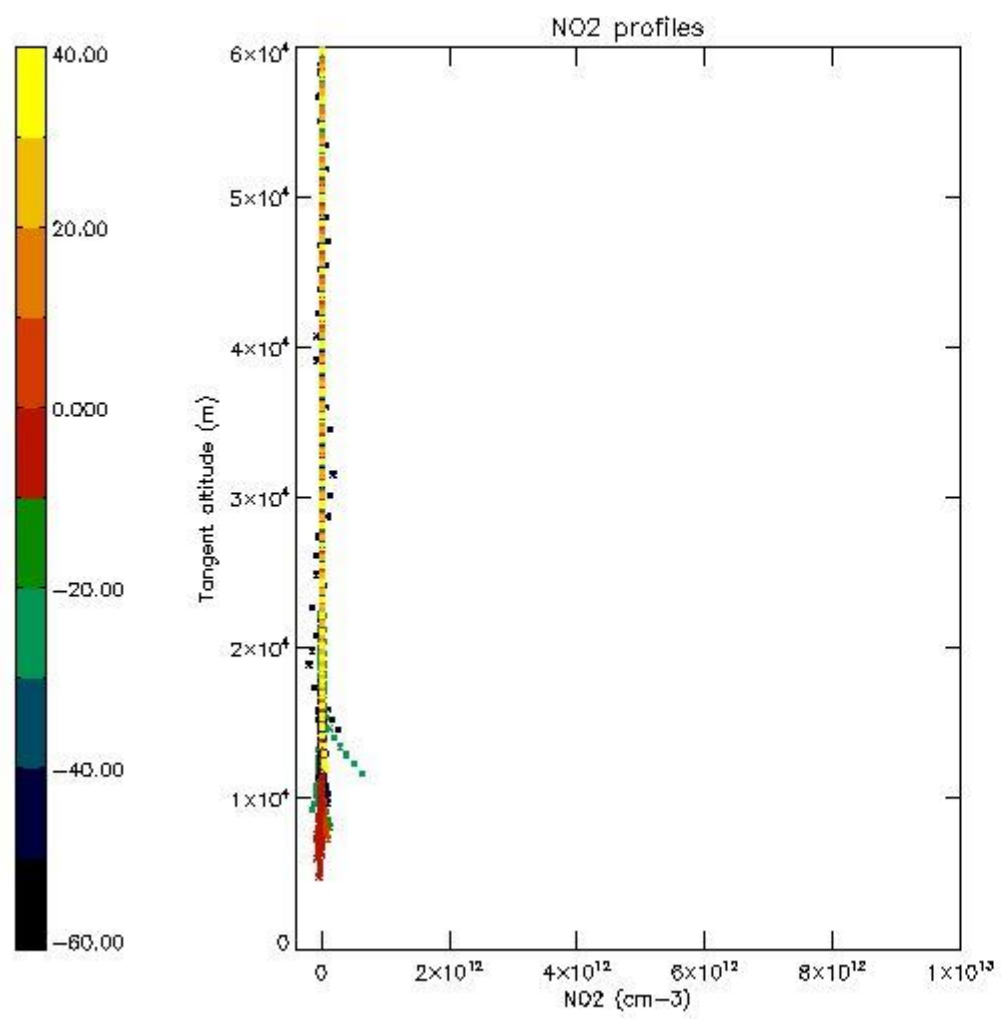
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



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

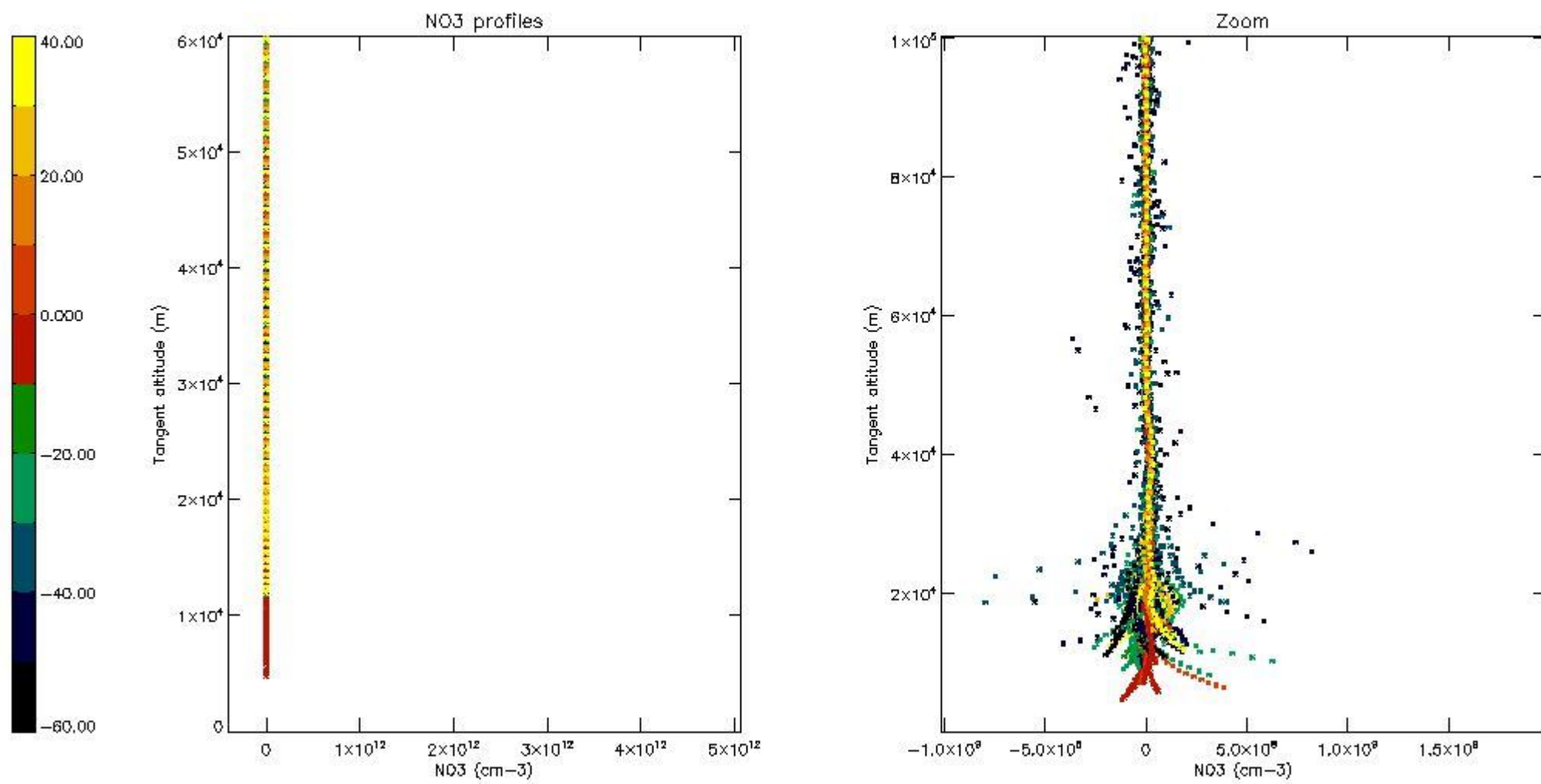
The colorbar represents the latitude.



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

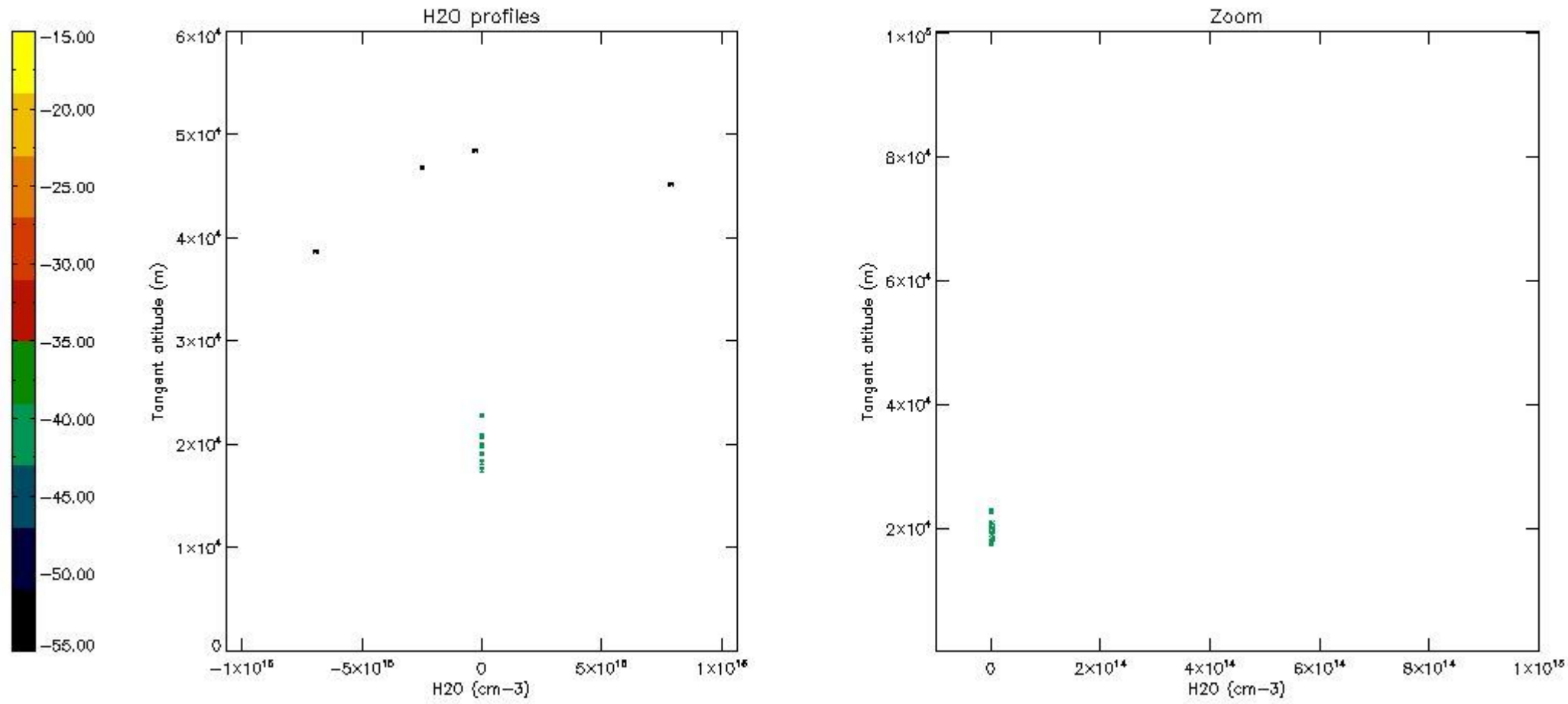
The colorbar represents the latitude.





*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)*

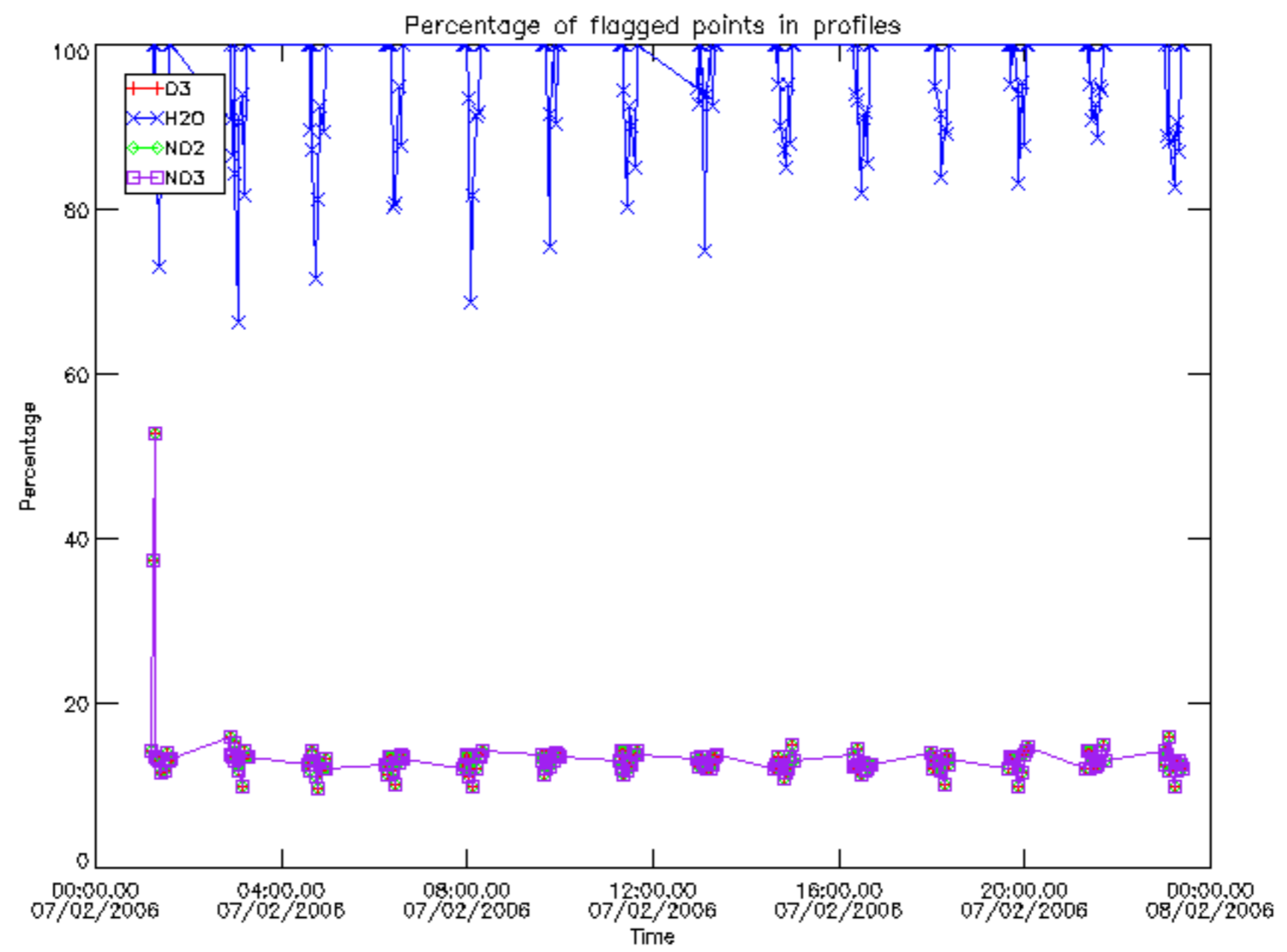
The colorbar represents the latitude.



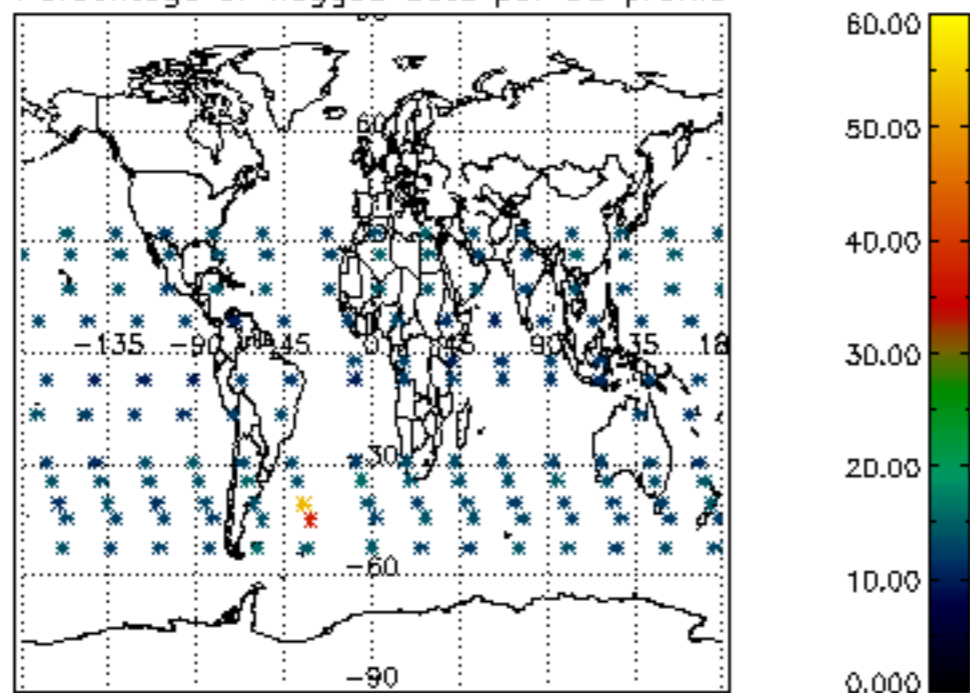
## 6. Auxiliary Data Files used for the production reported in section 2

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.

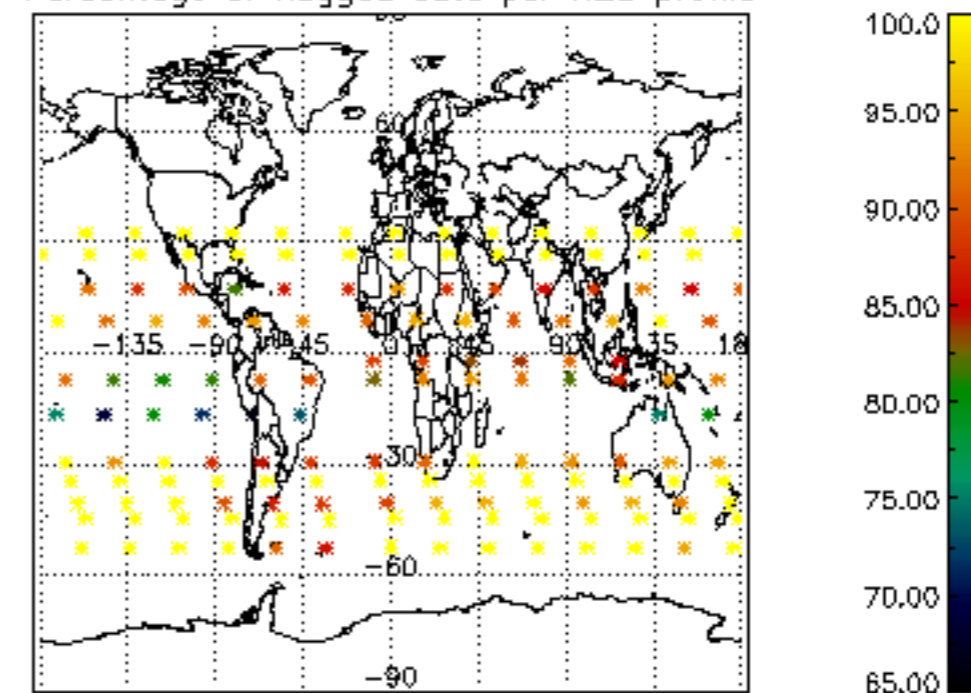
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	07-FEB-2006 00:00:31
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	07-FEB-2006 00:00:31
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	07-FEB-2006 00:00:31



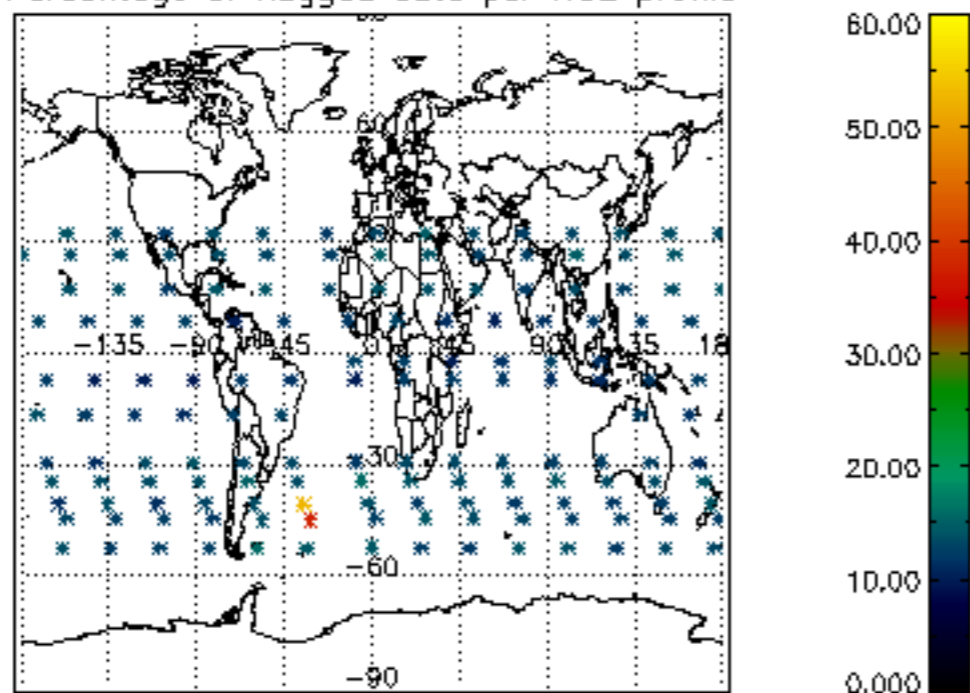
Percentage of flagged data per D3 profile



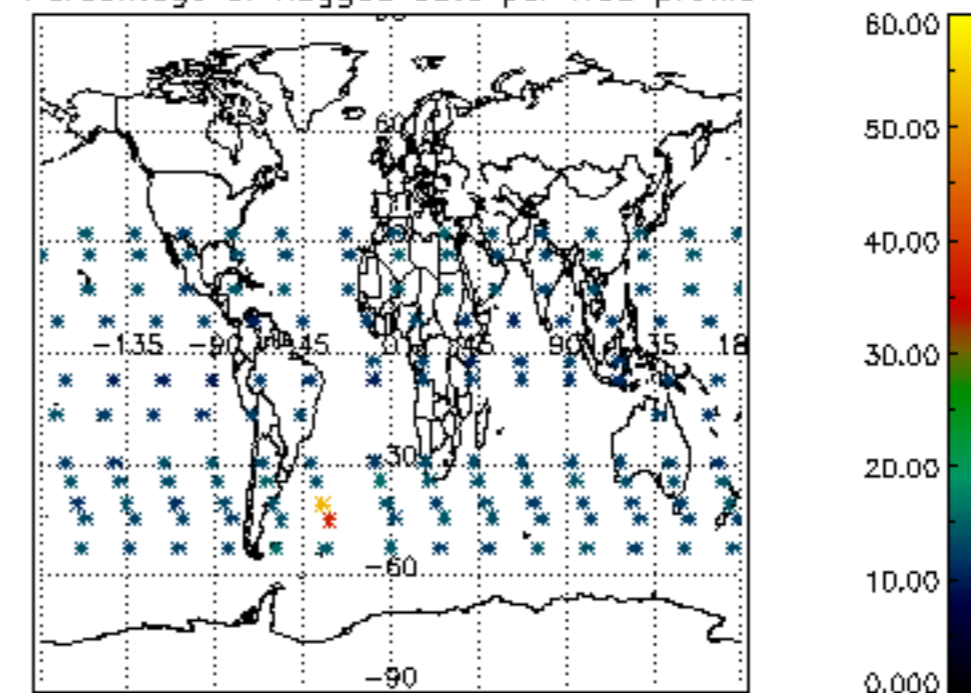
Percentage of flagged data per H2O profile

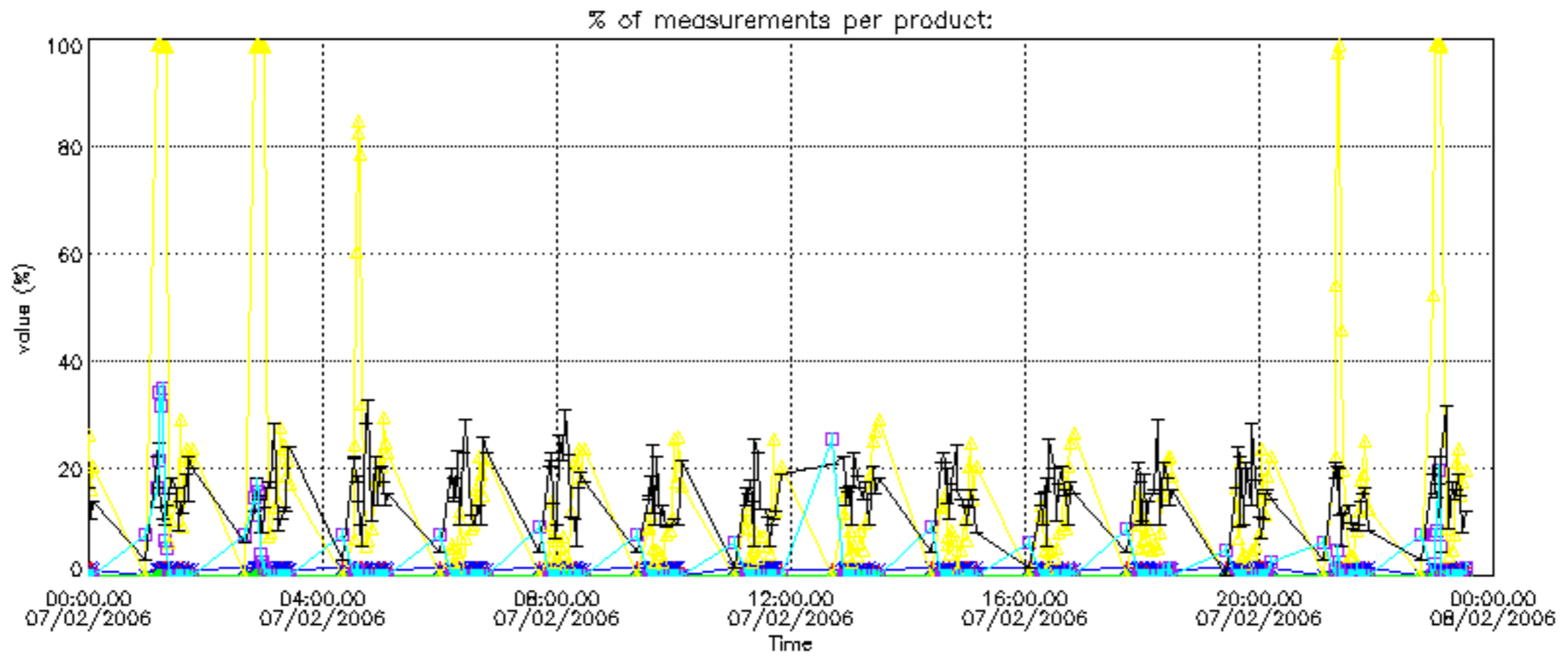


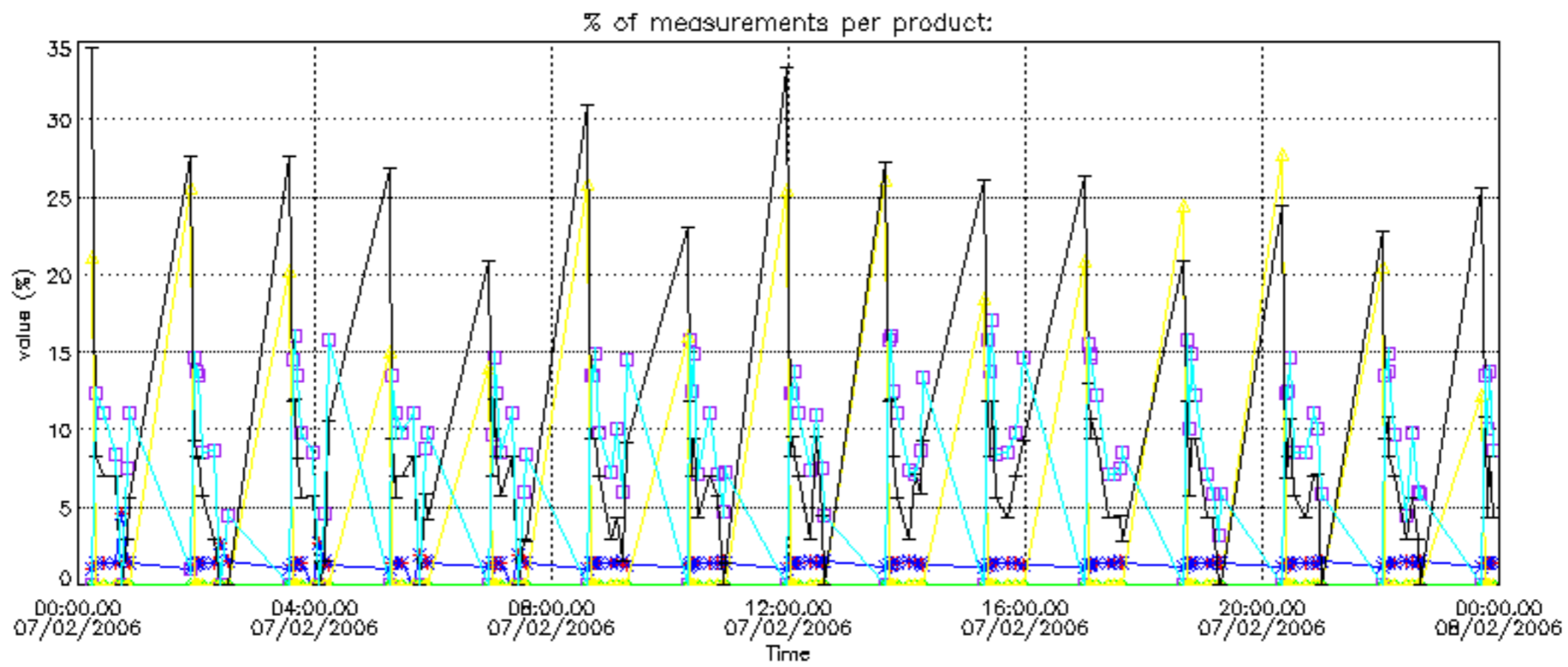
Percentage of flagged data per NO2 profile



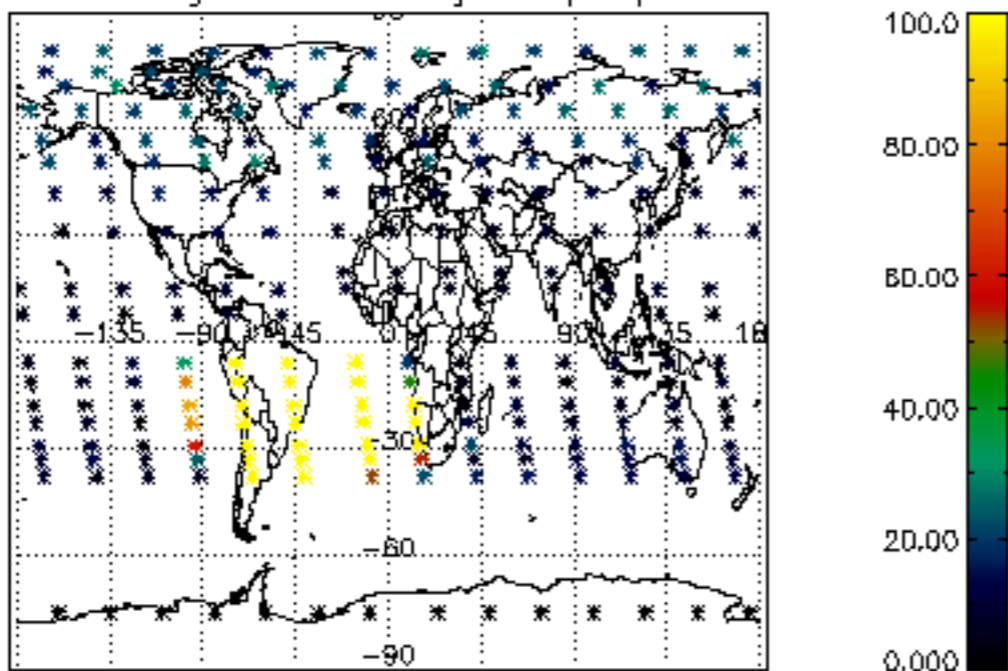
Percentage of flagged data per NO3 profile



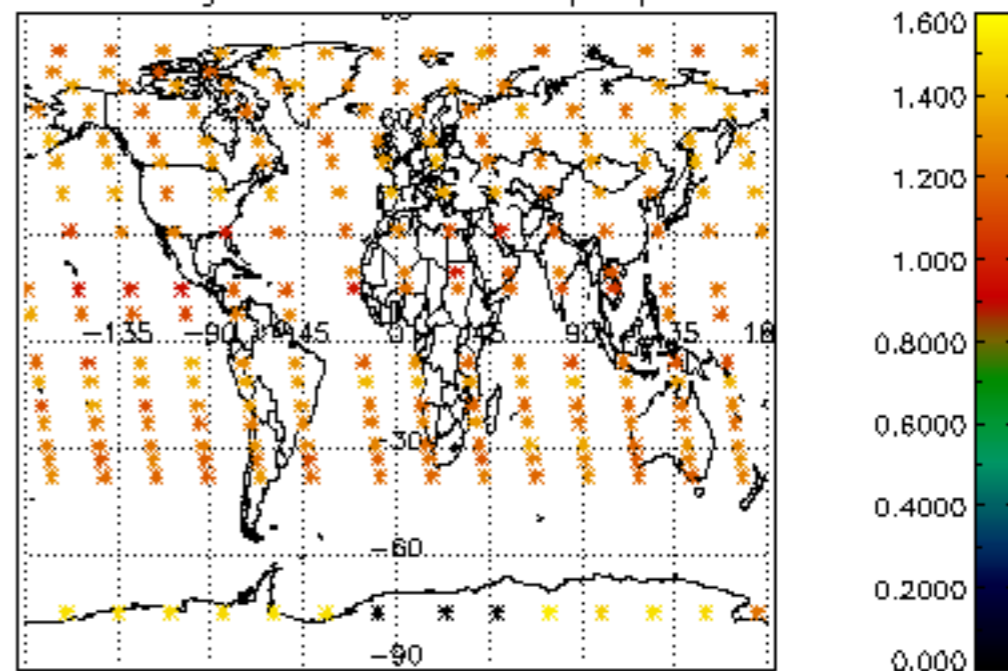




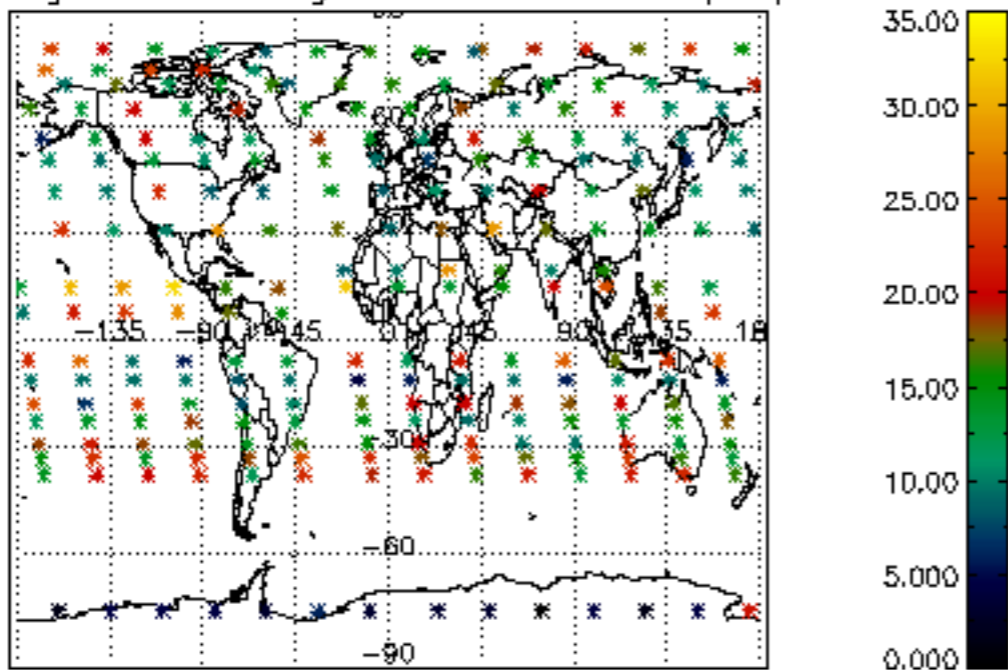
Percentage of cosmic ray hits per profile



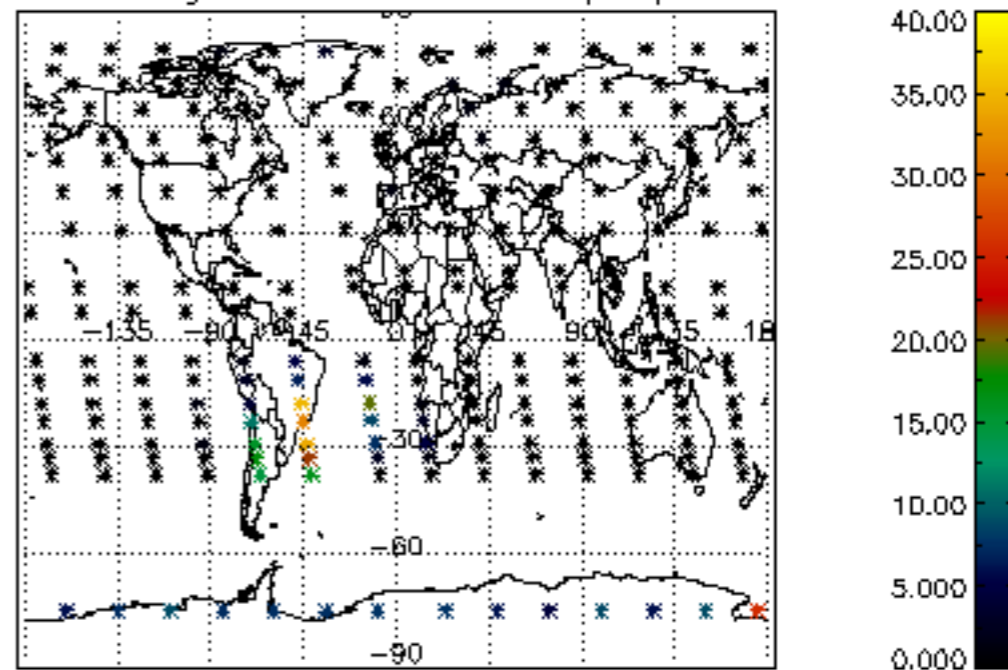
Percentage of datation errors per profile



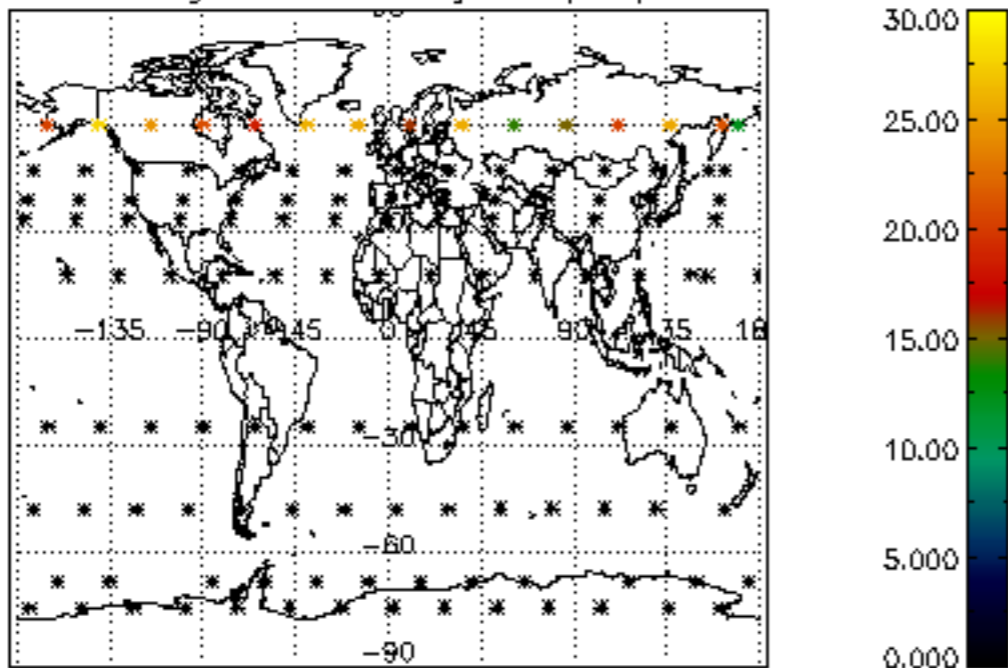
Percentage of star falling outside central band per profile



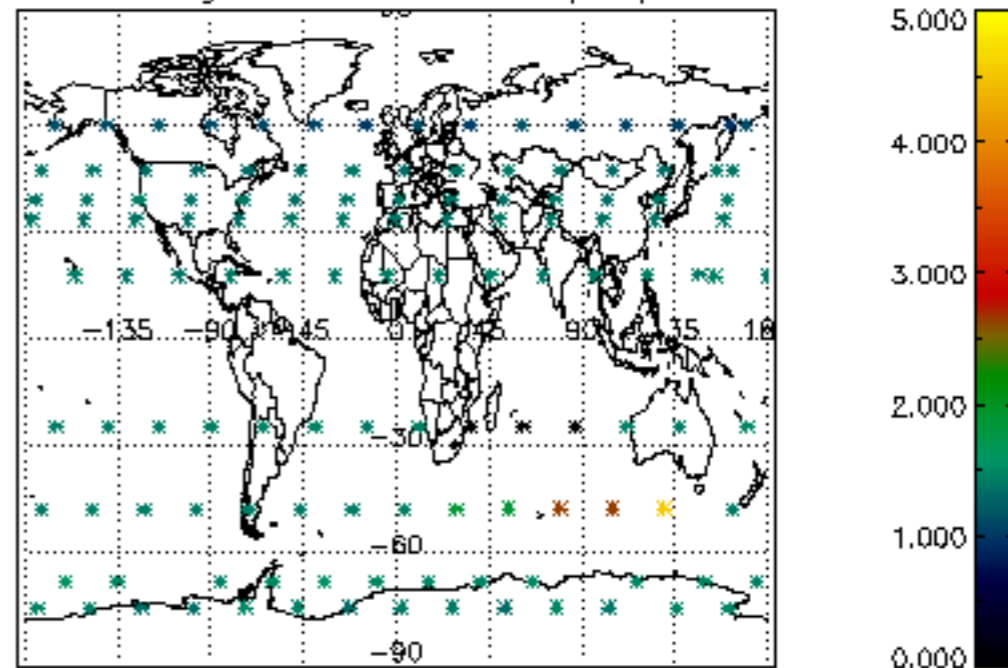
Percentage of saturation errors per profile



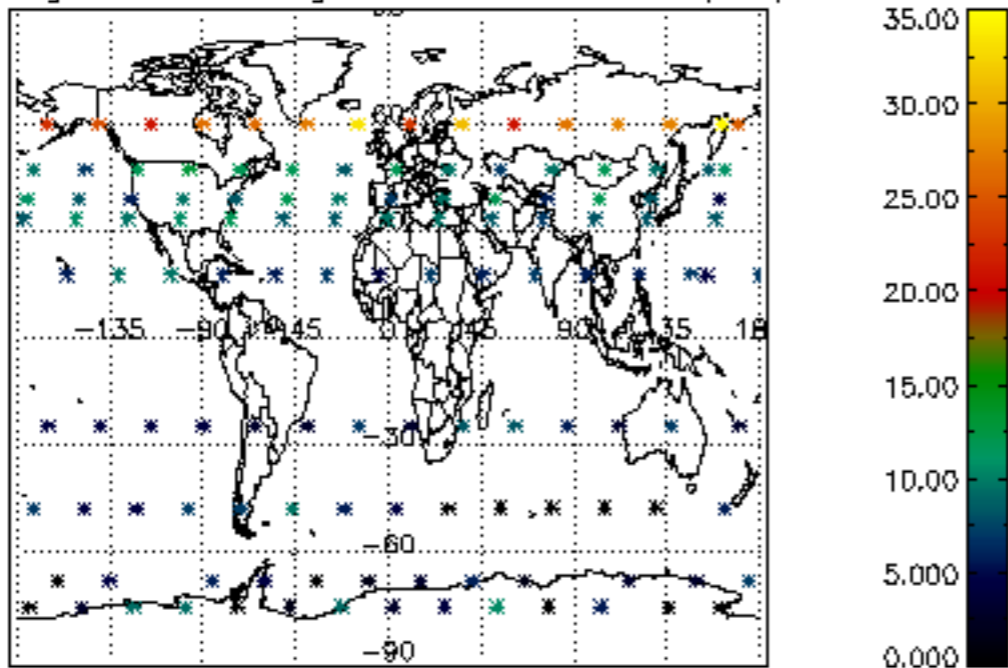
Percentage of cosmic ray hits per profile



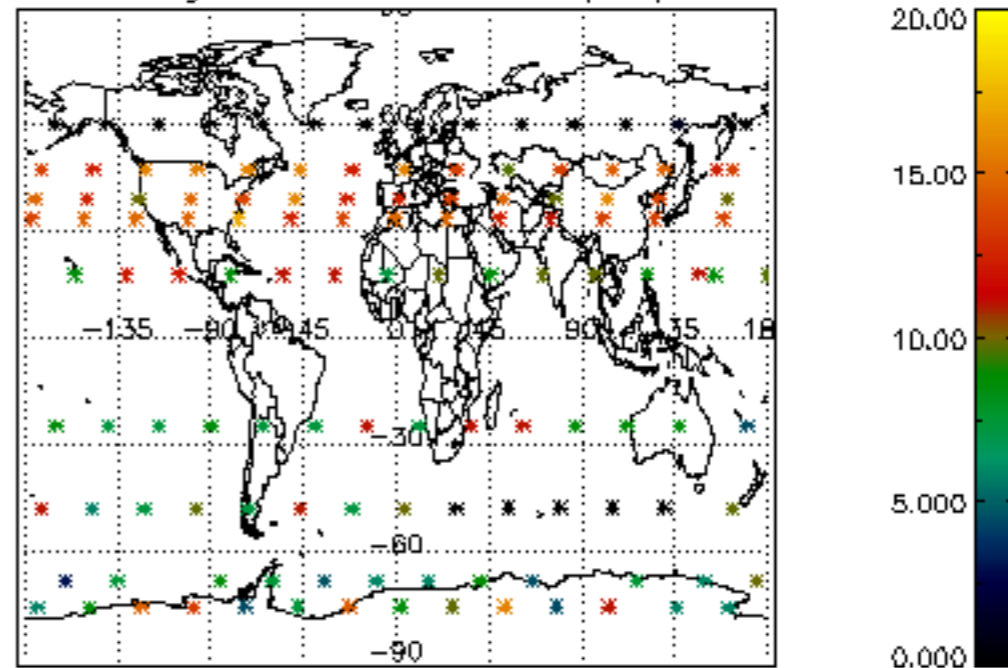
Percentage of datation errors per profile



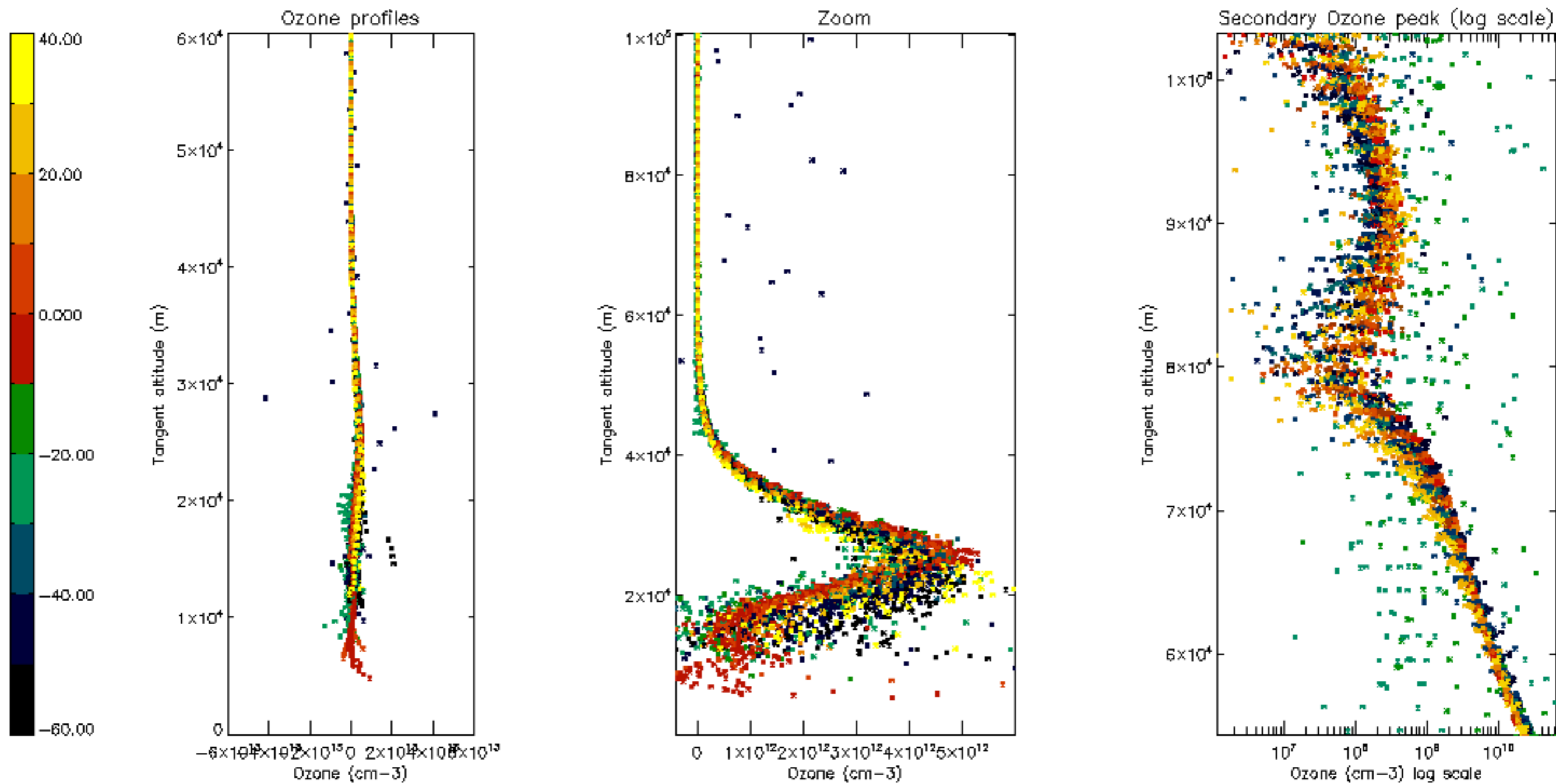
Percentage of star falling outside central band per profile

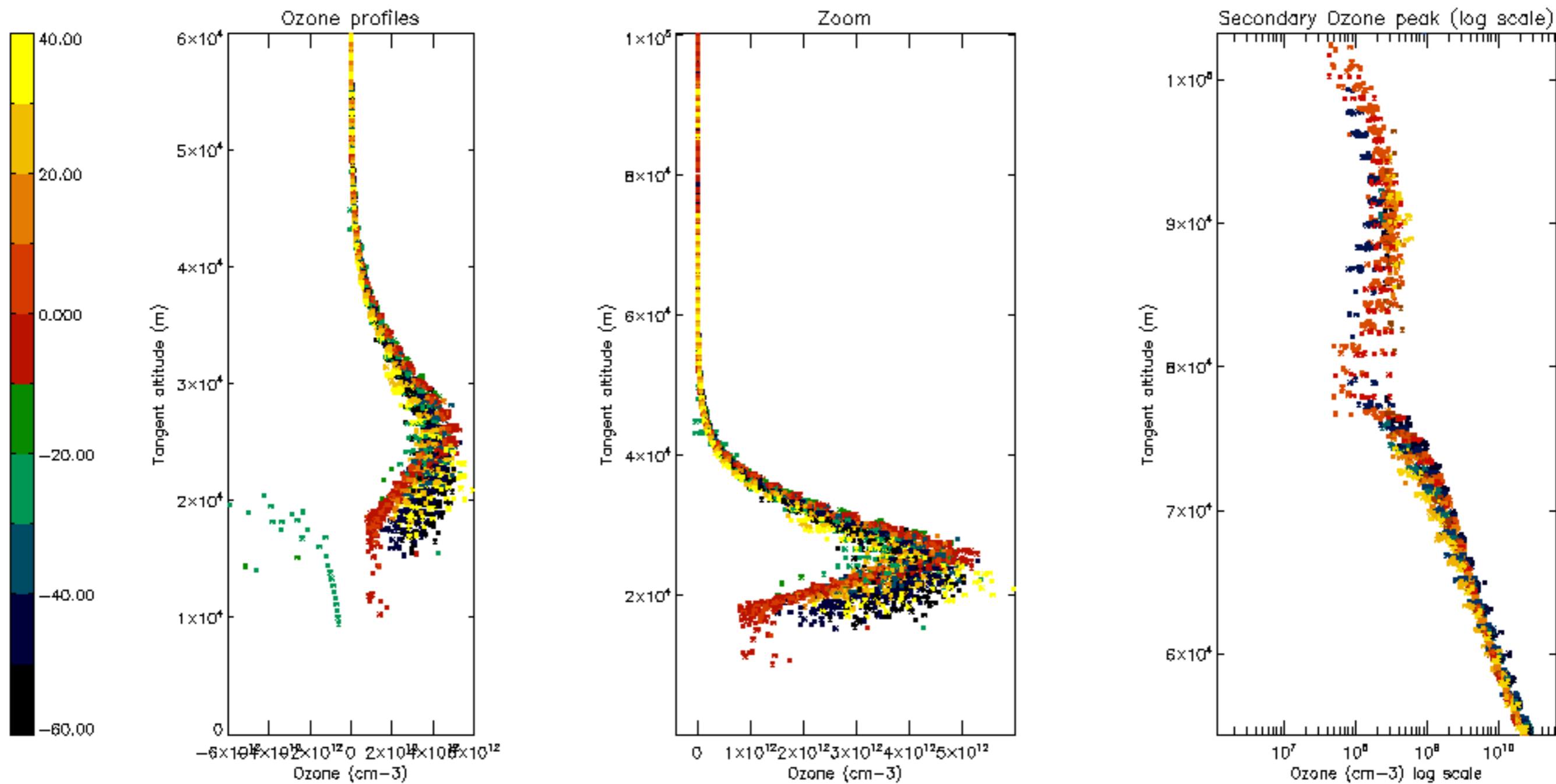


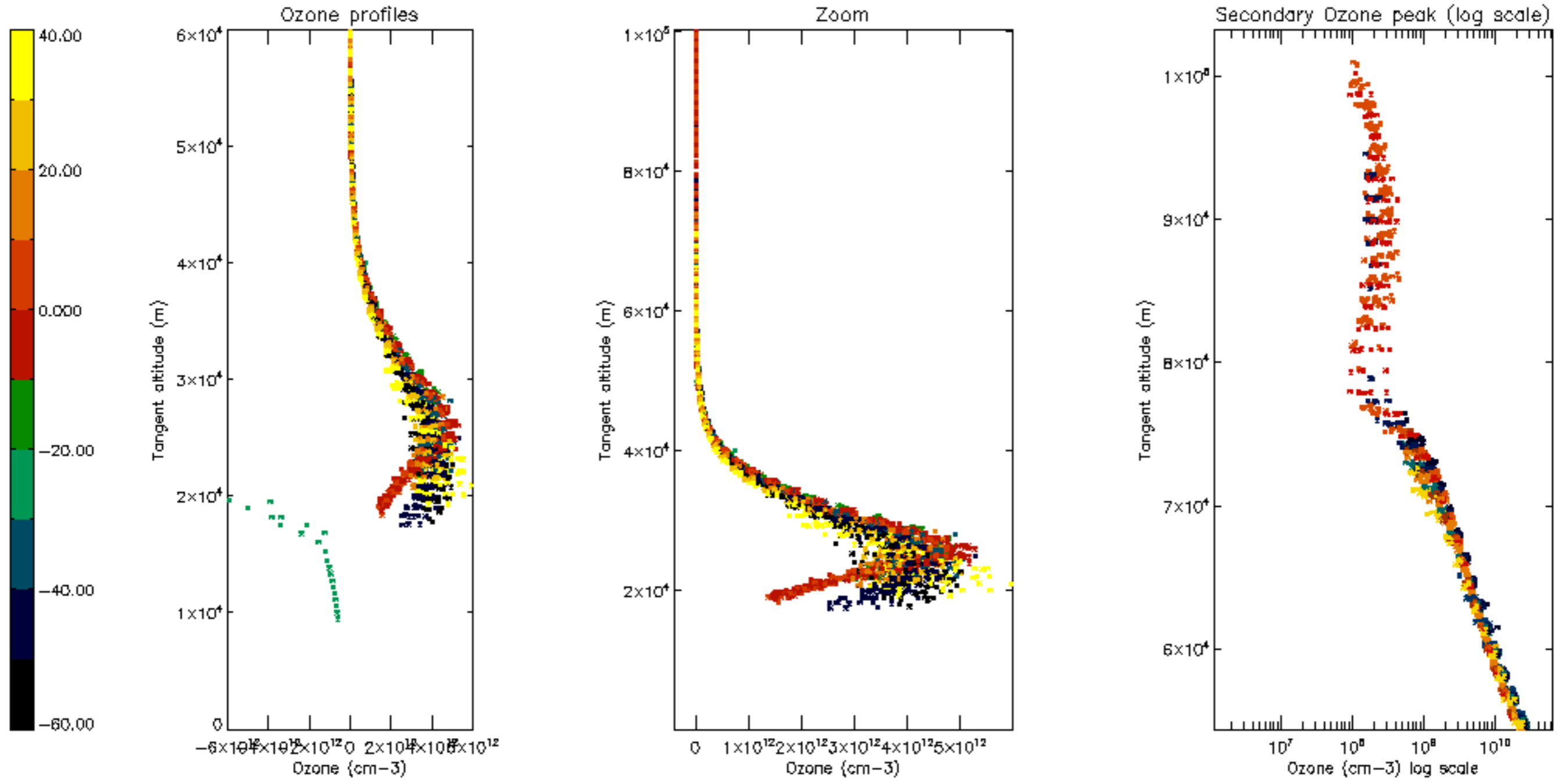
Percentage of saturation errors per profile

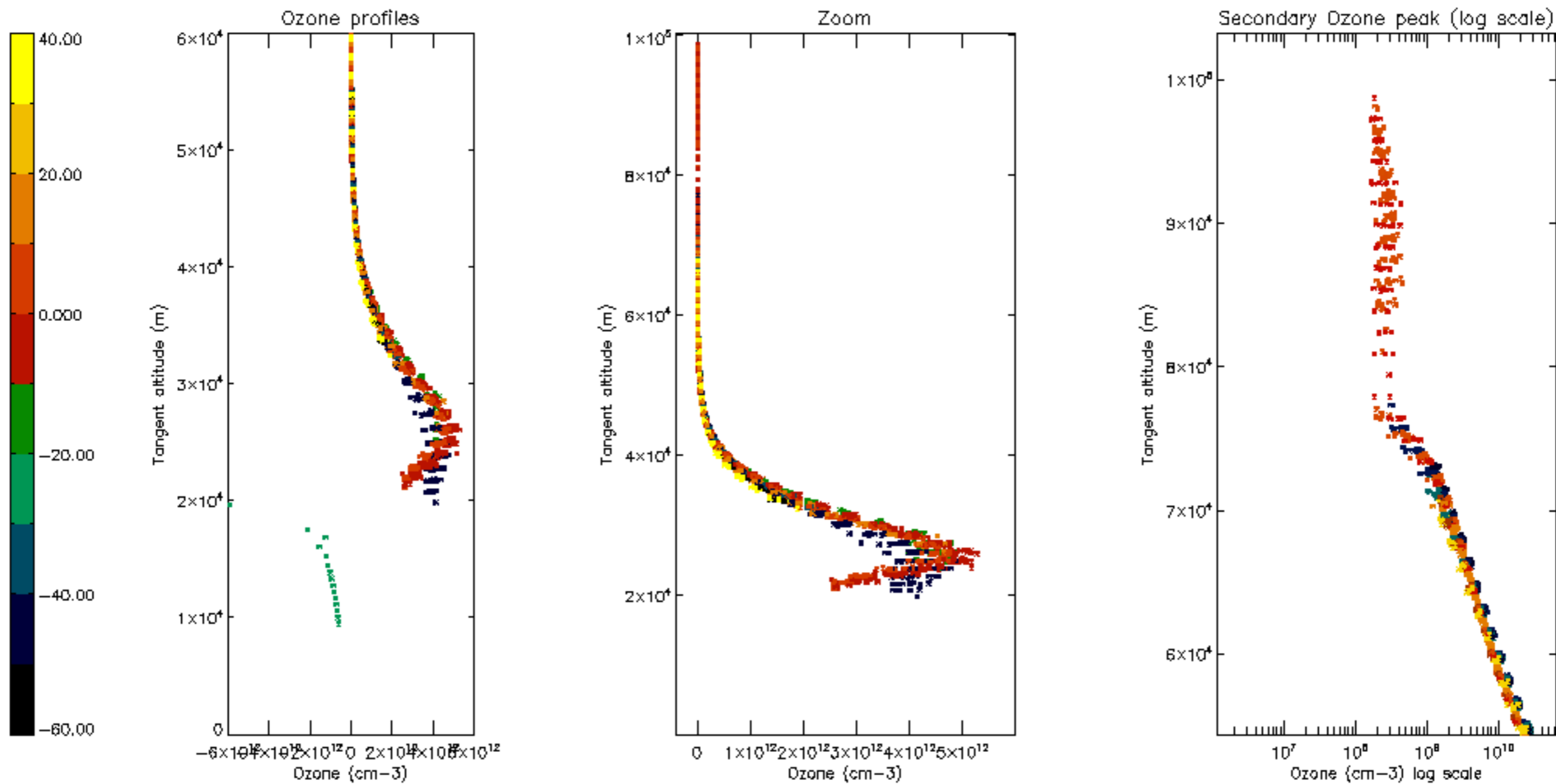


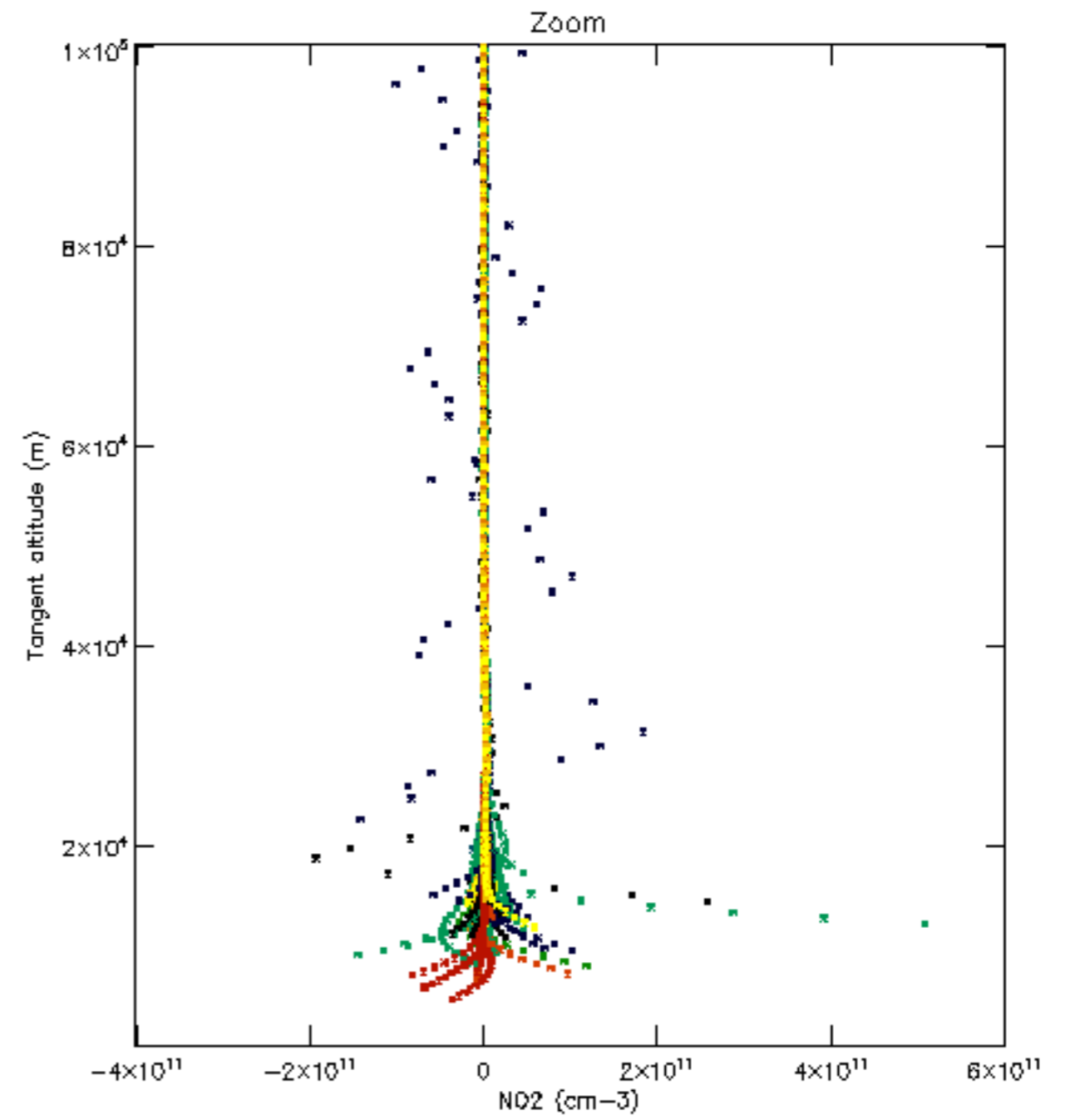
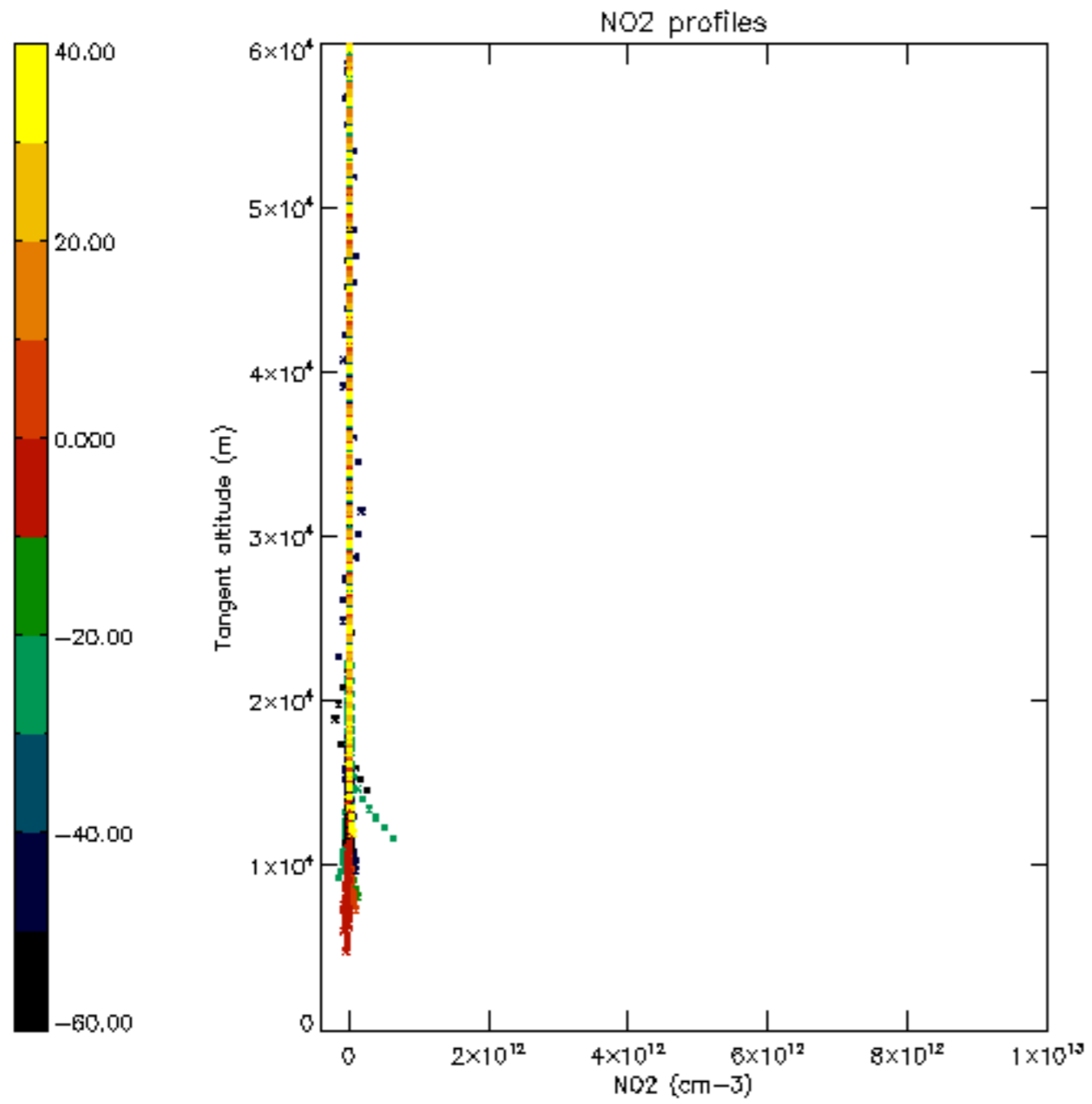


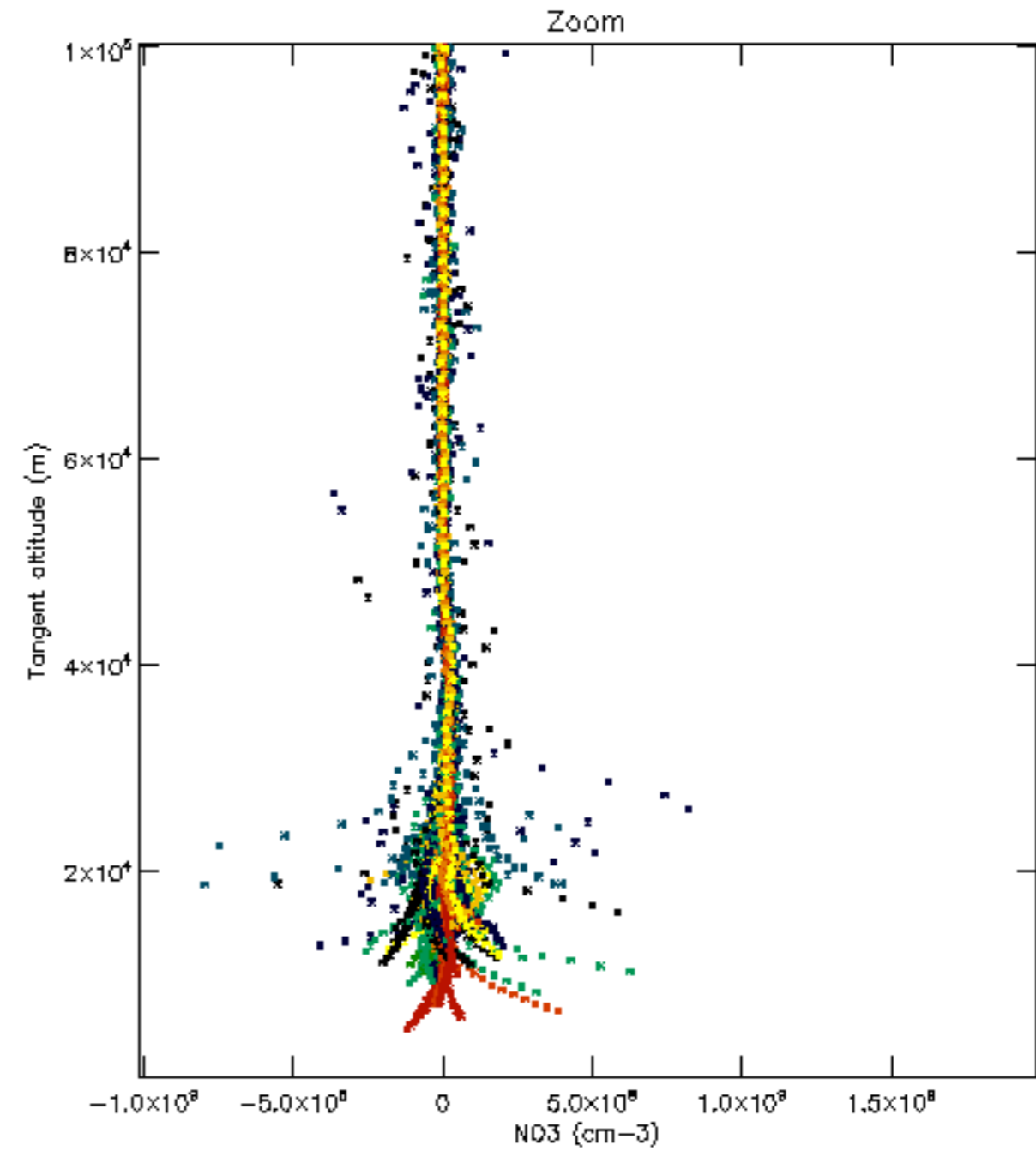
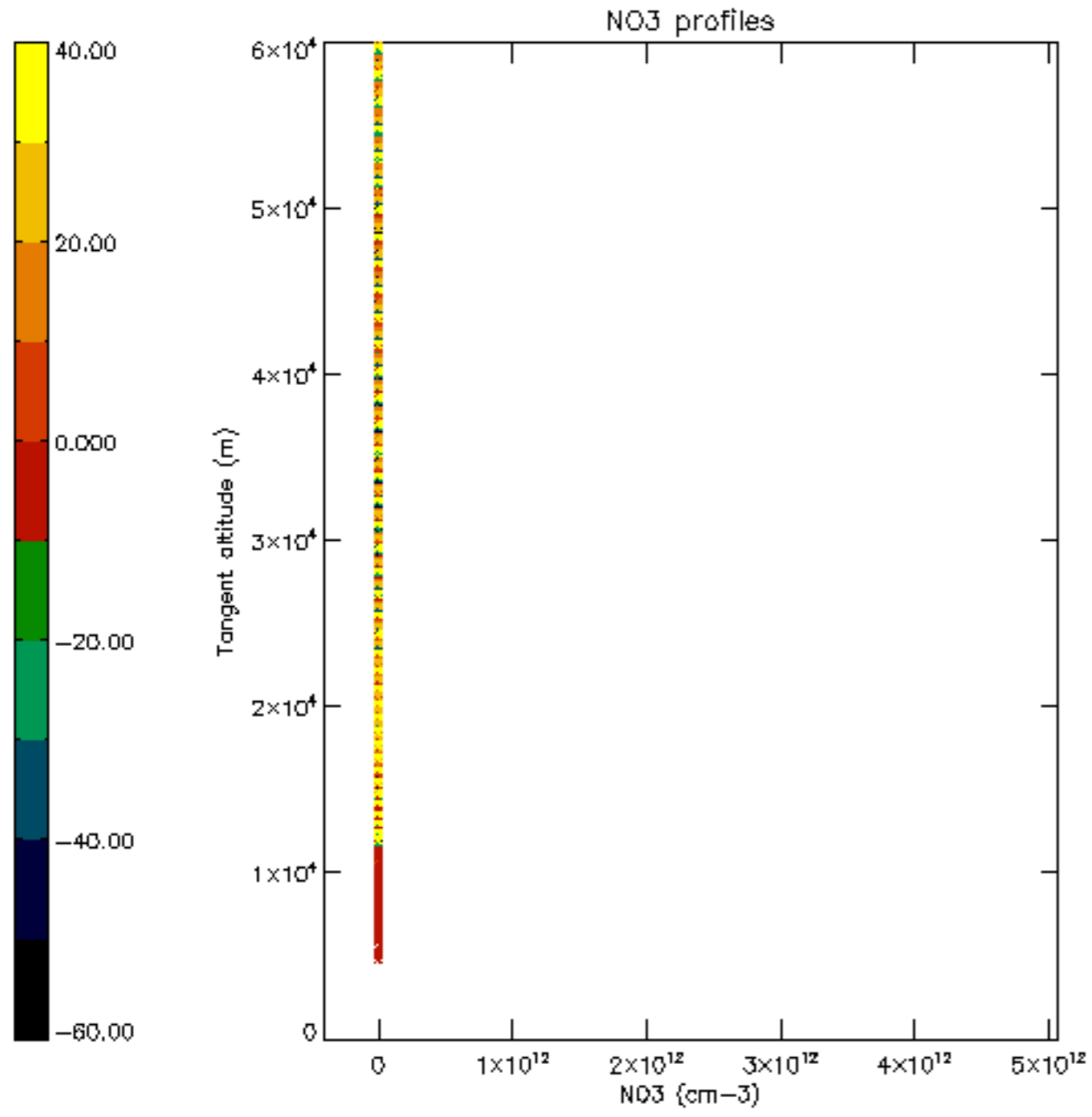


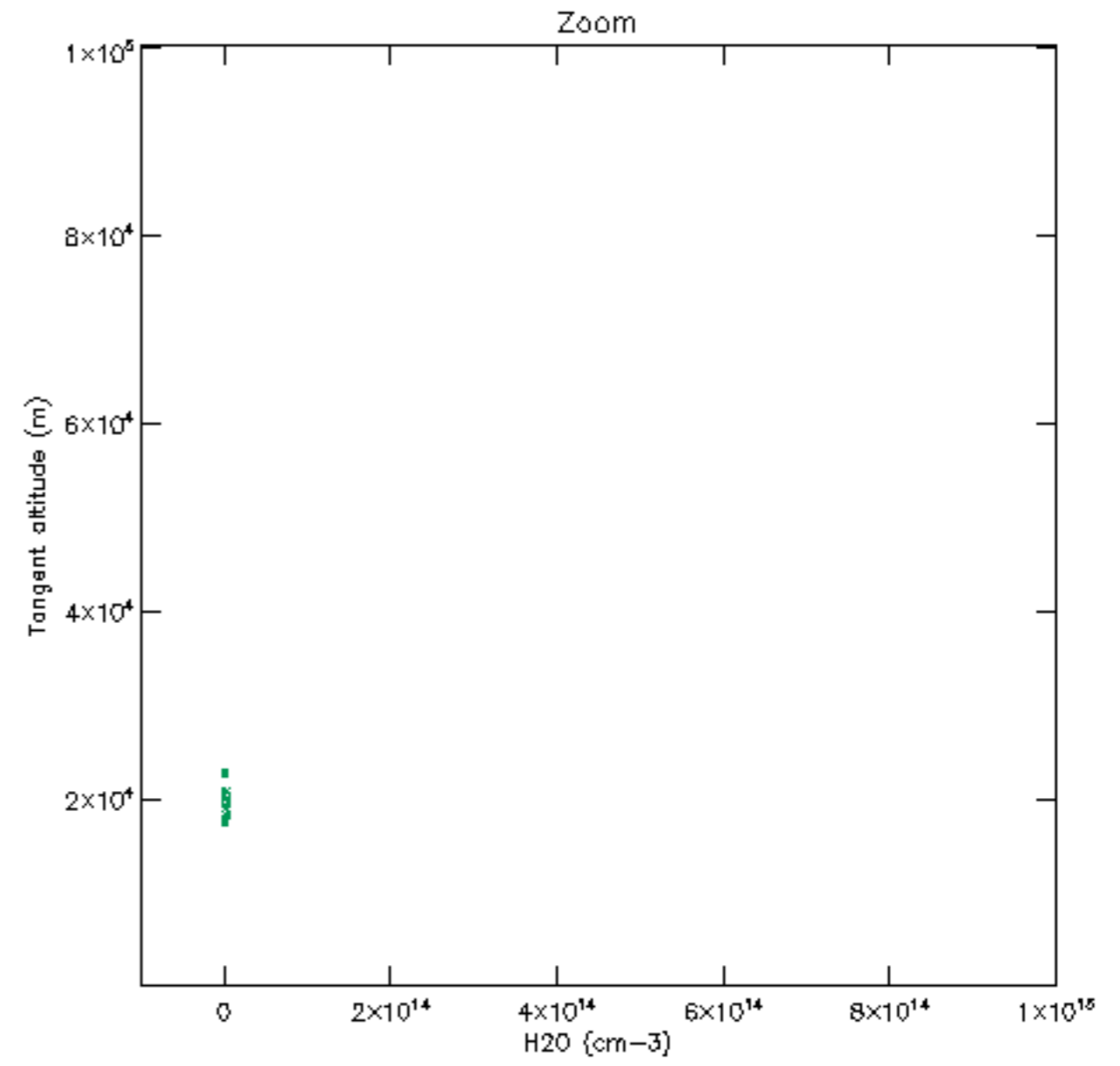
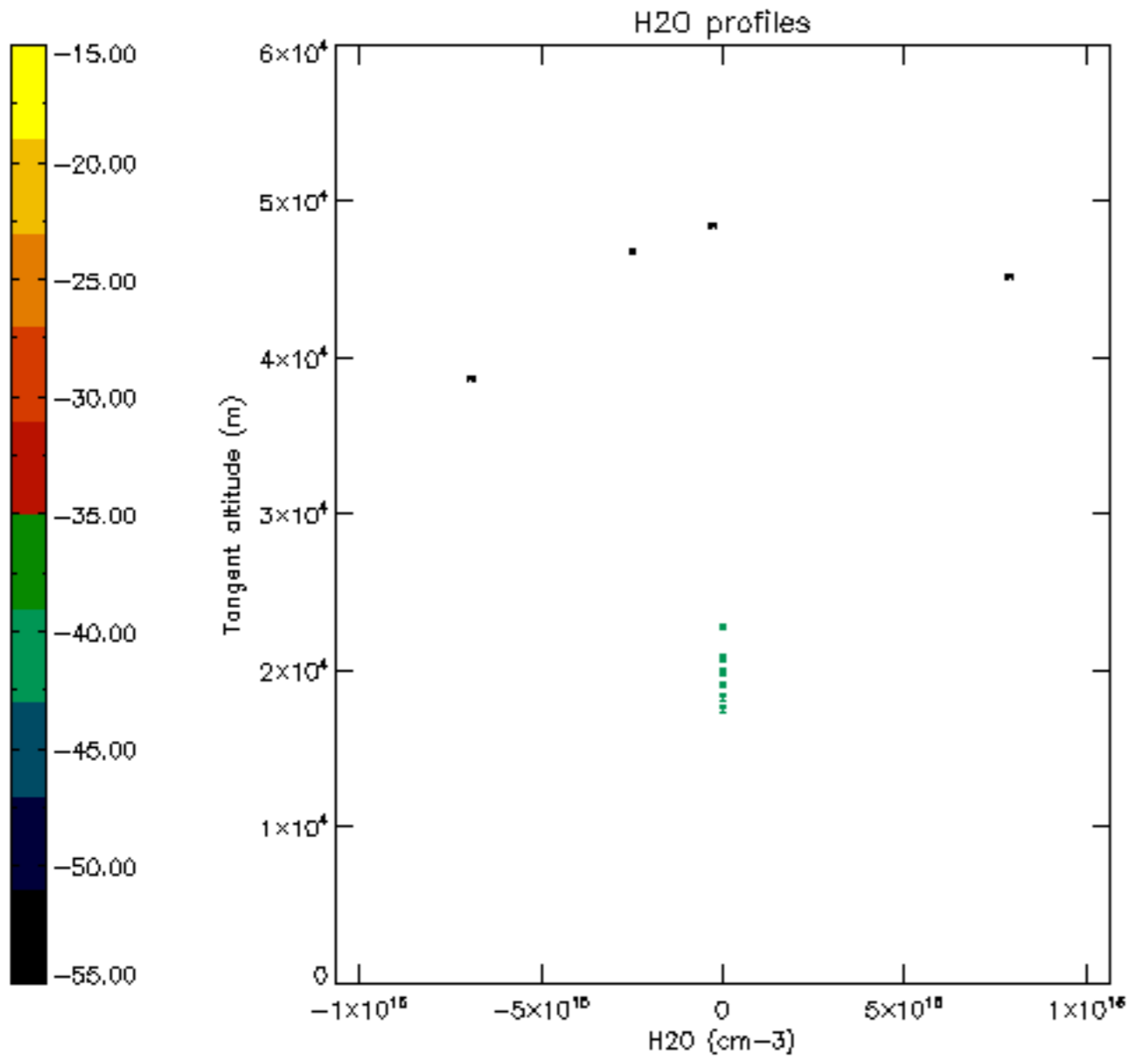


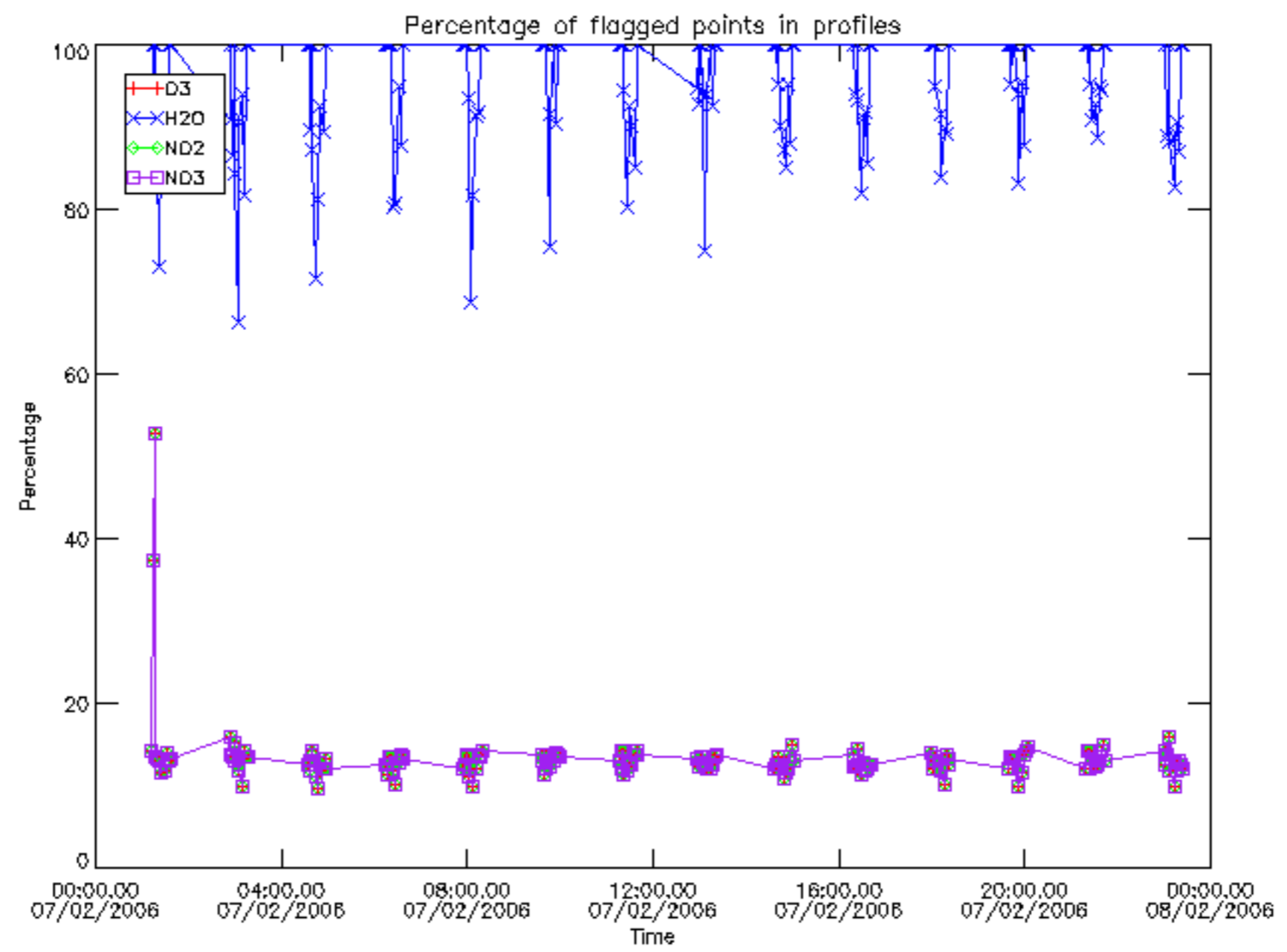






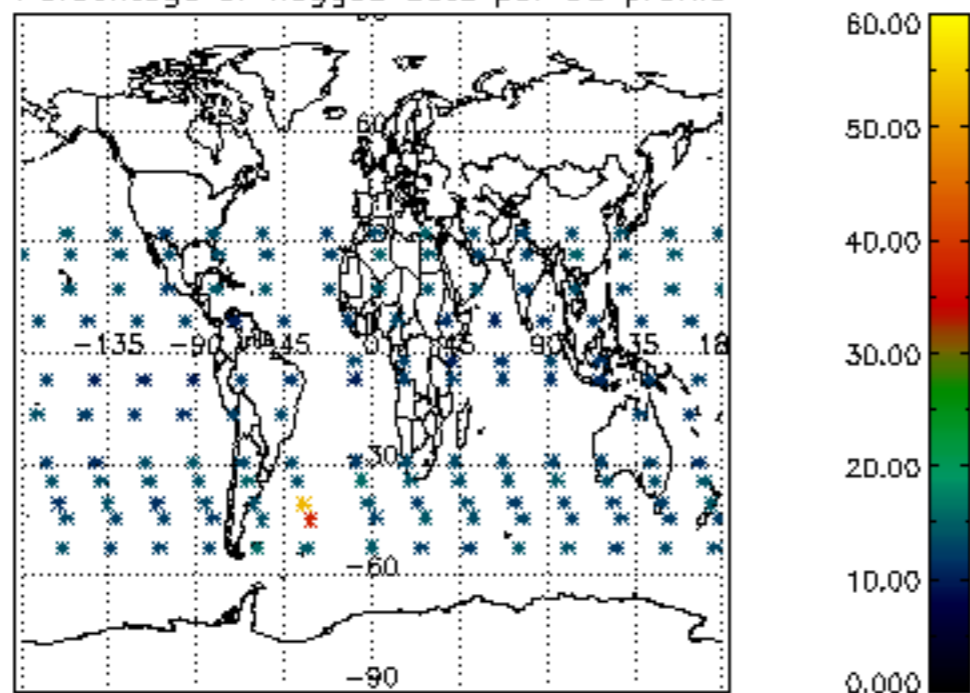




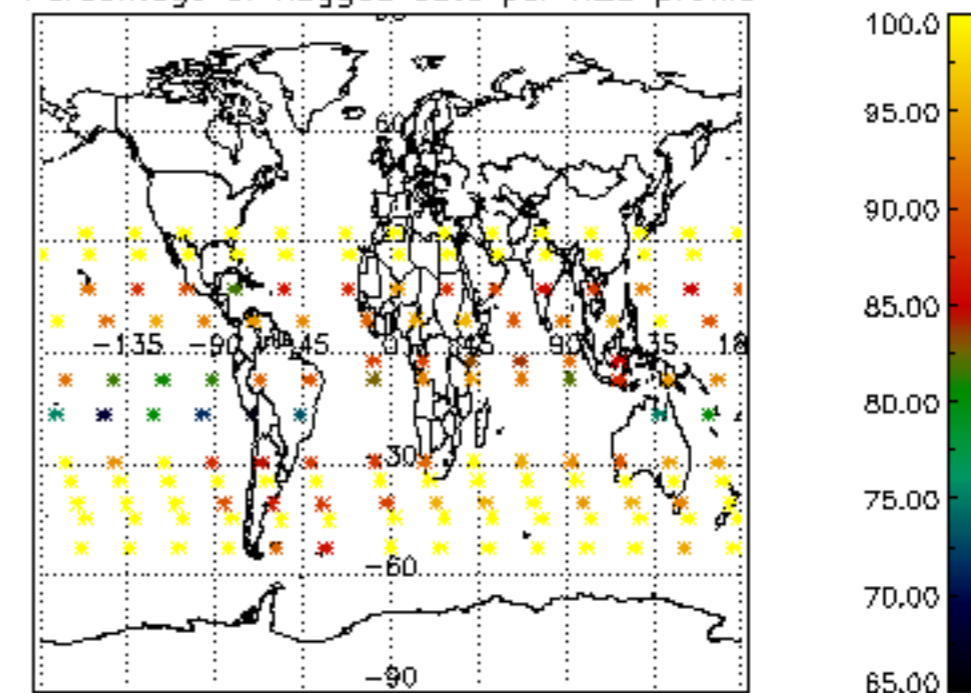




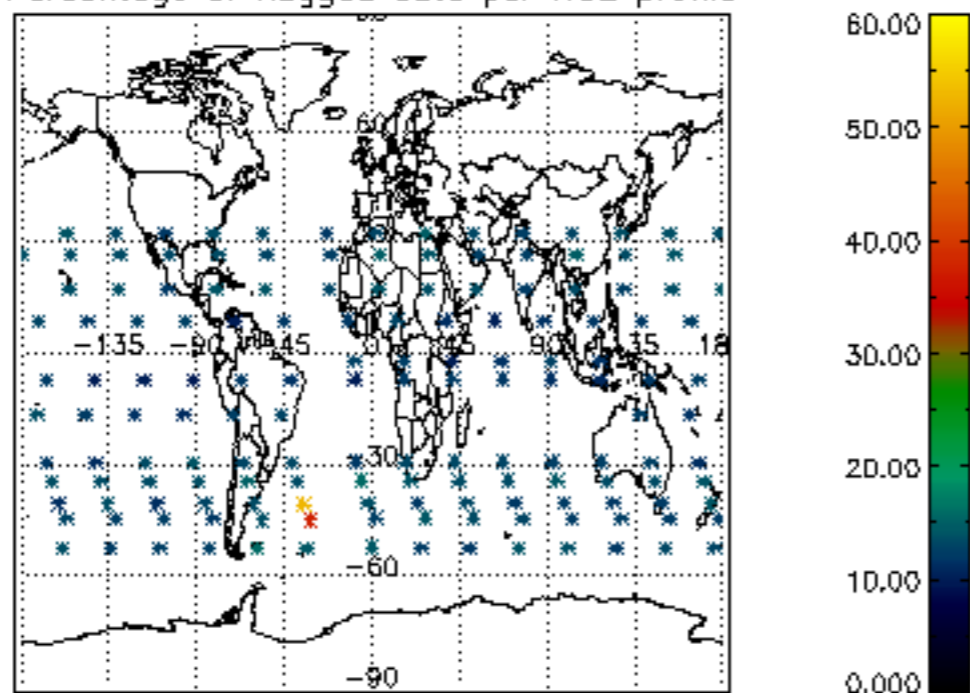
Percentage of flagged data per D3 profile



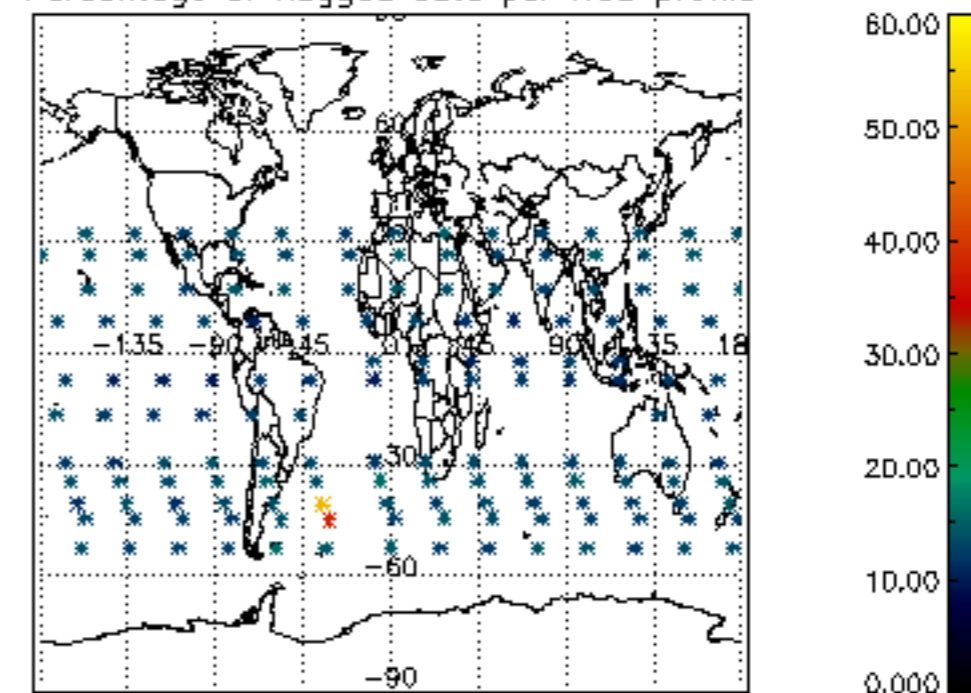
Percentage of flagged data per H2O profile

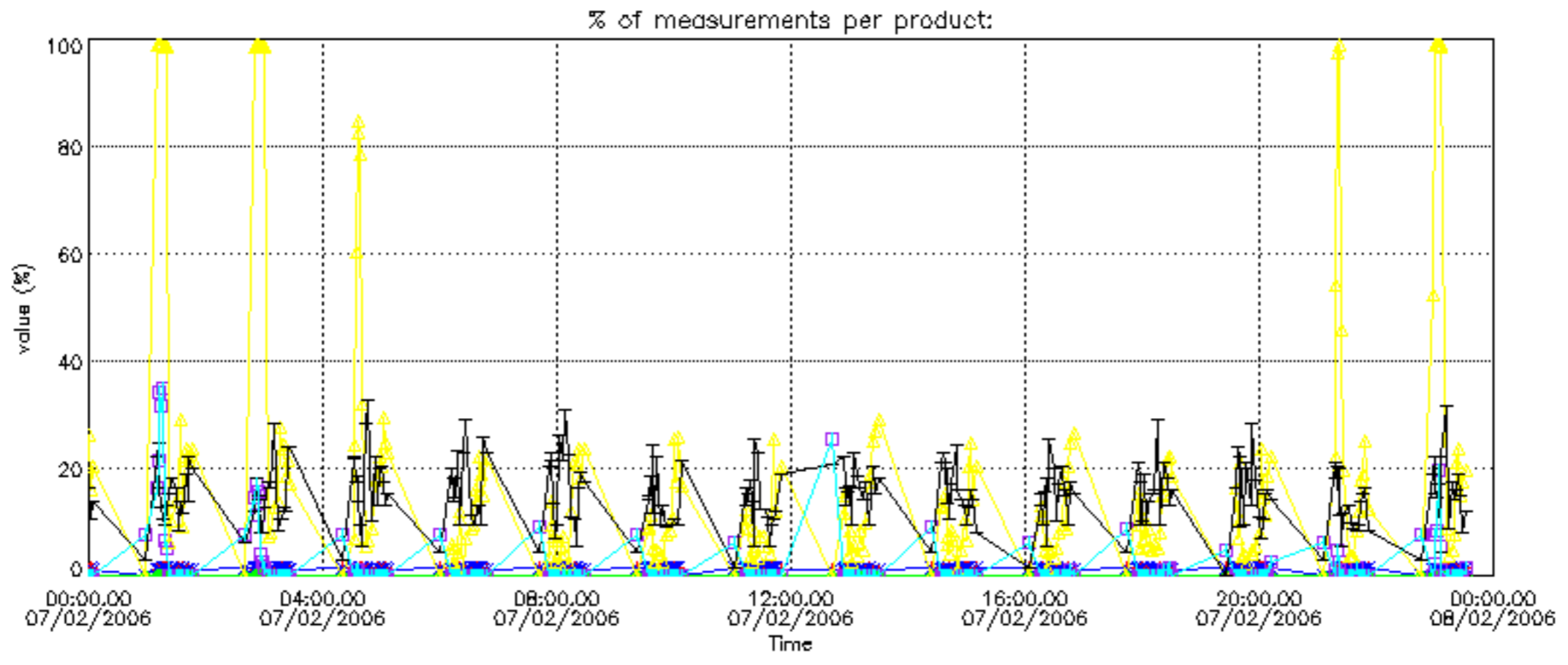


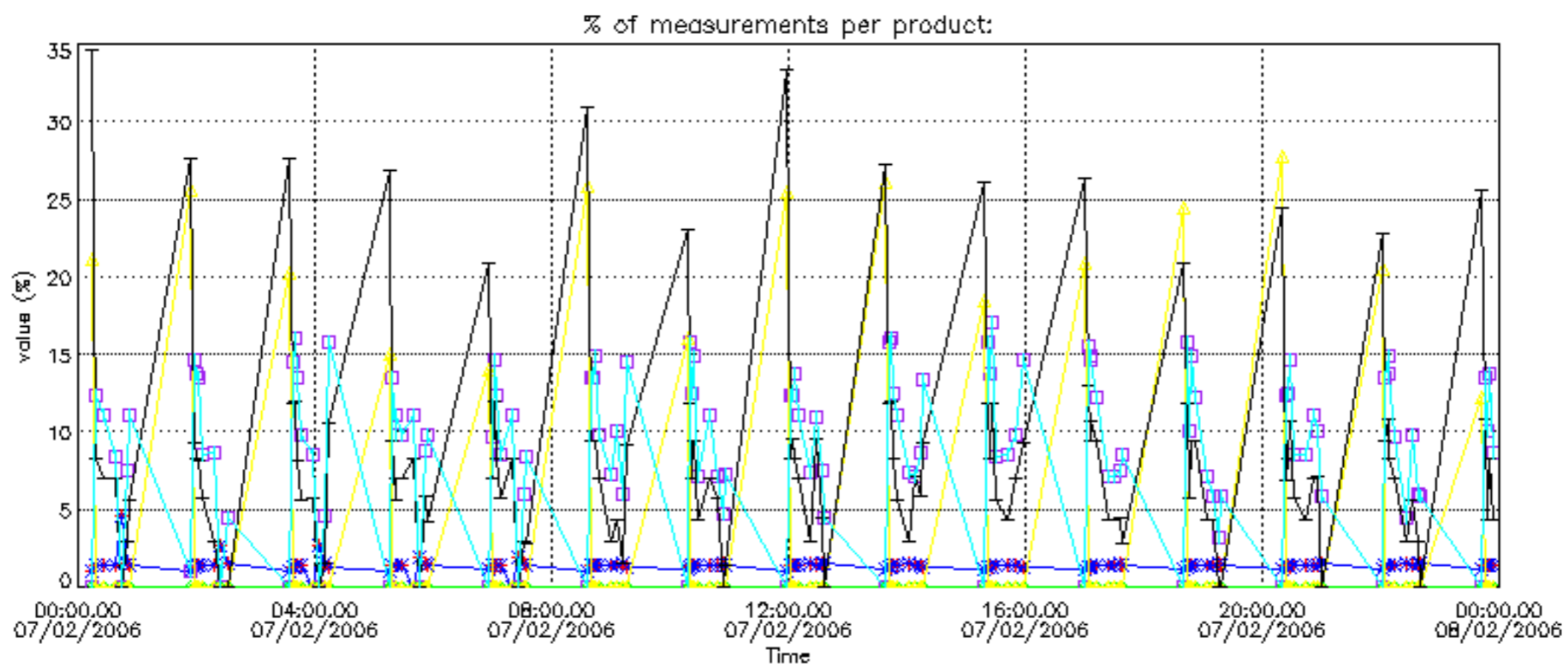
Percentage of flagged data per NO2 profile



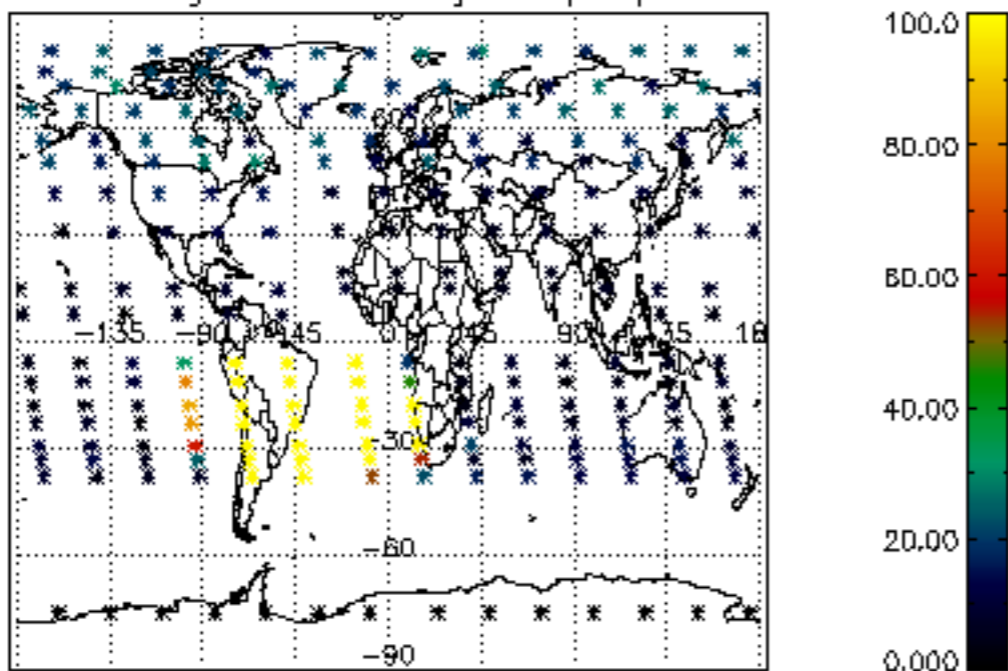
Percentage of flagged data per NO3 profile



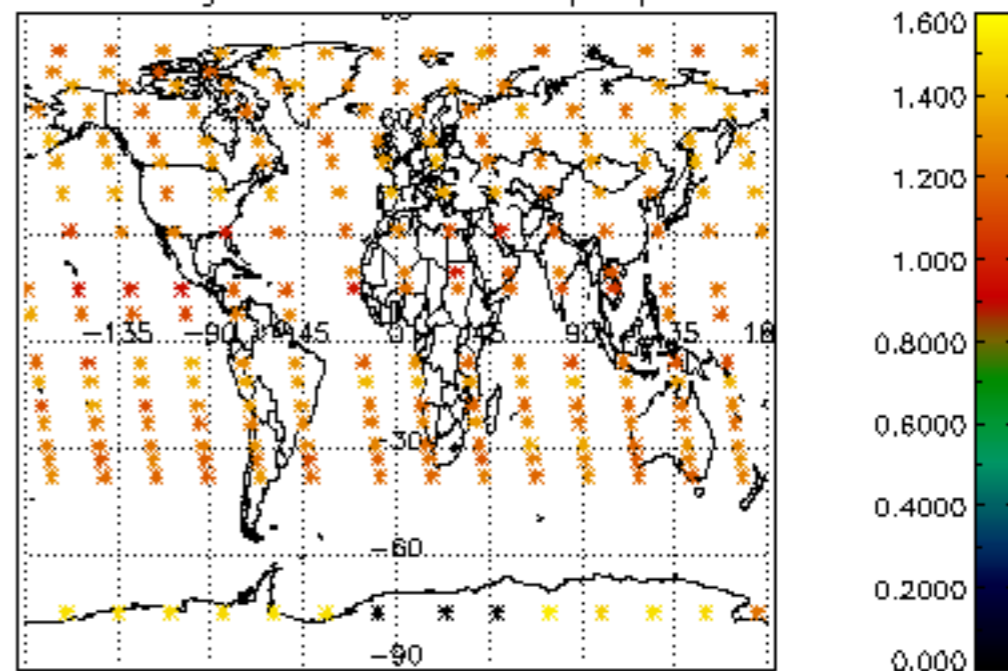




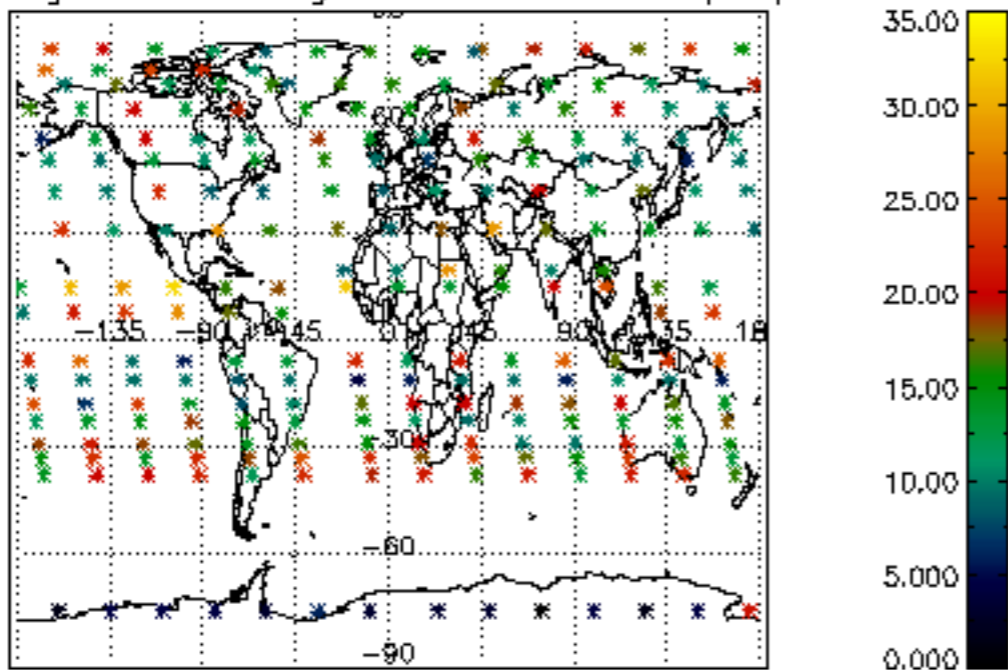
Percentage of cosmic ray hits per profile



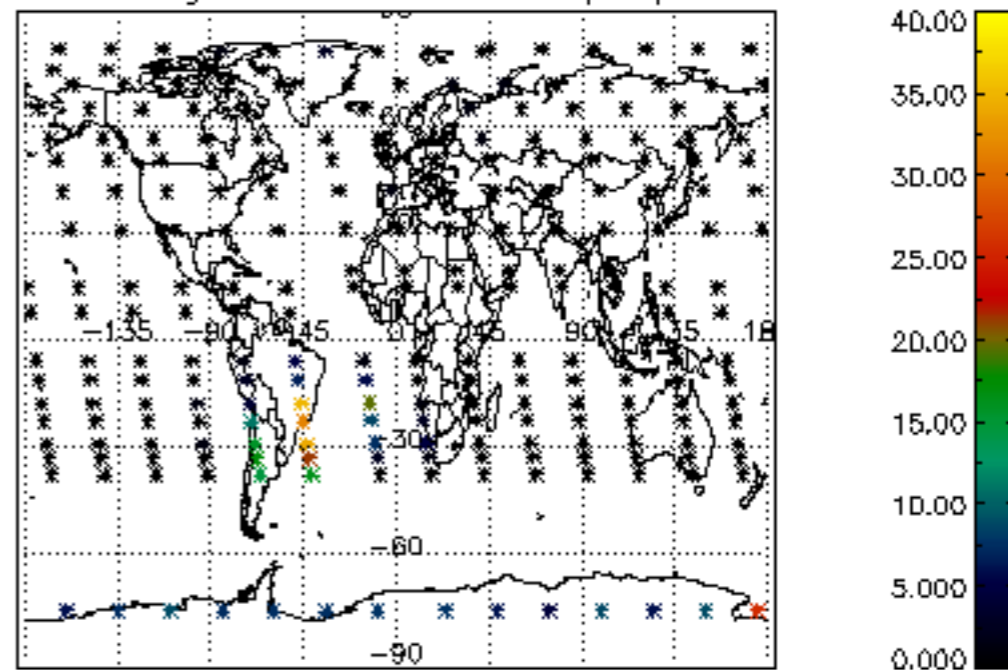
Percentage of datation errors per profile



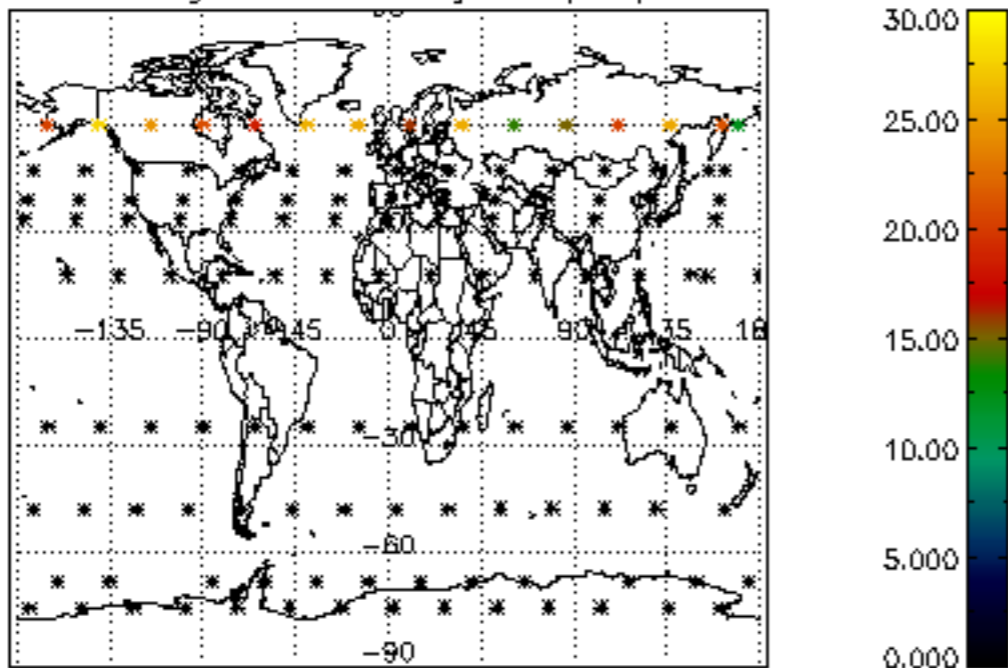
Percentage of star falling outside central band per profile



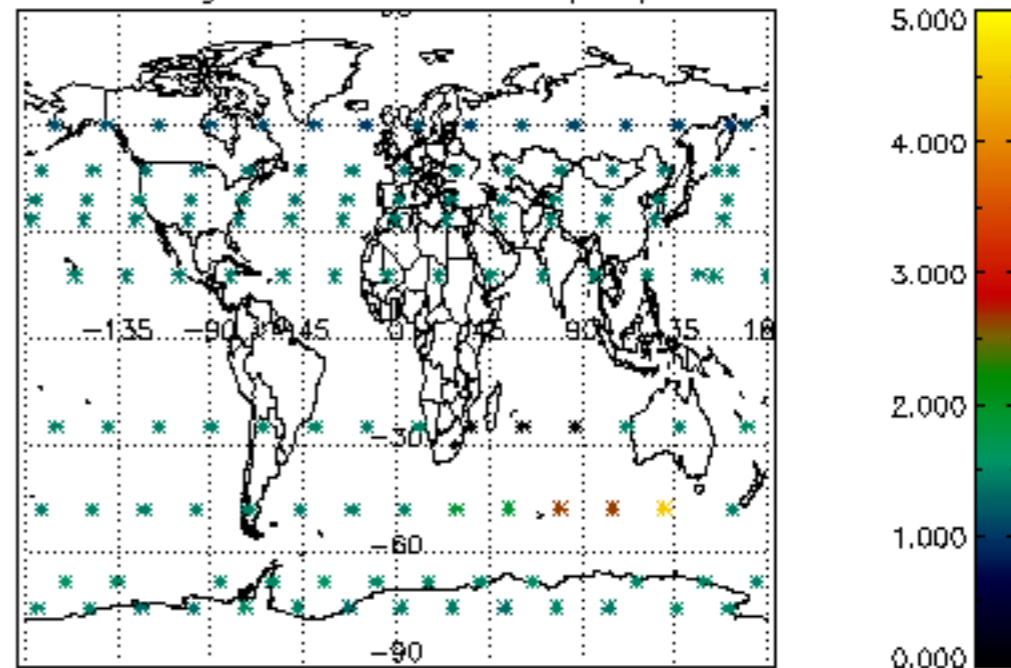
Percentage of saturation errors per profile



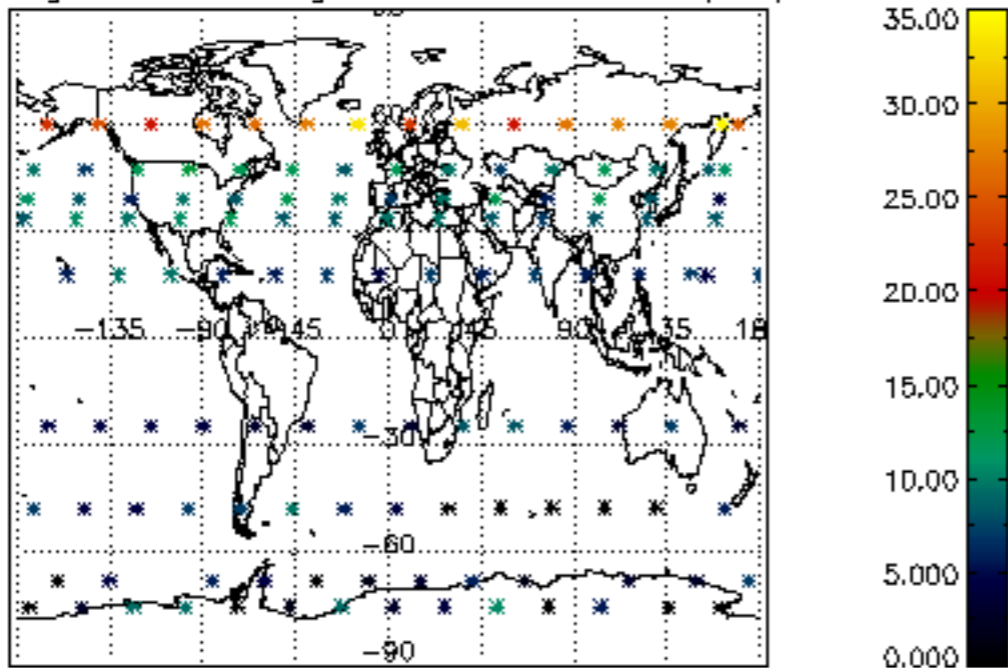
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

