

GOMOS Level 2 Daily Report

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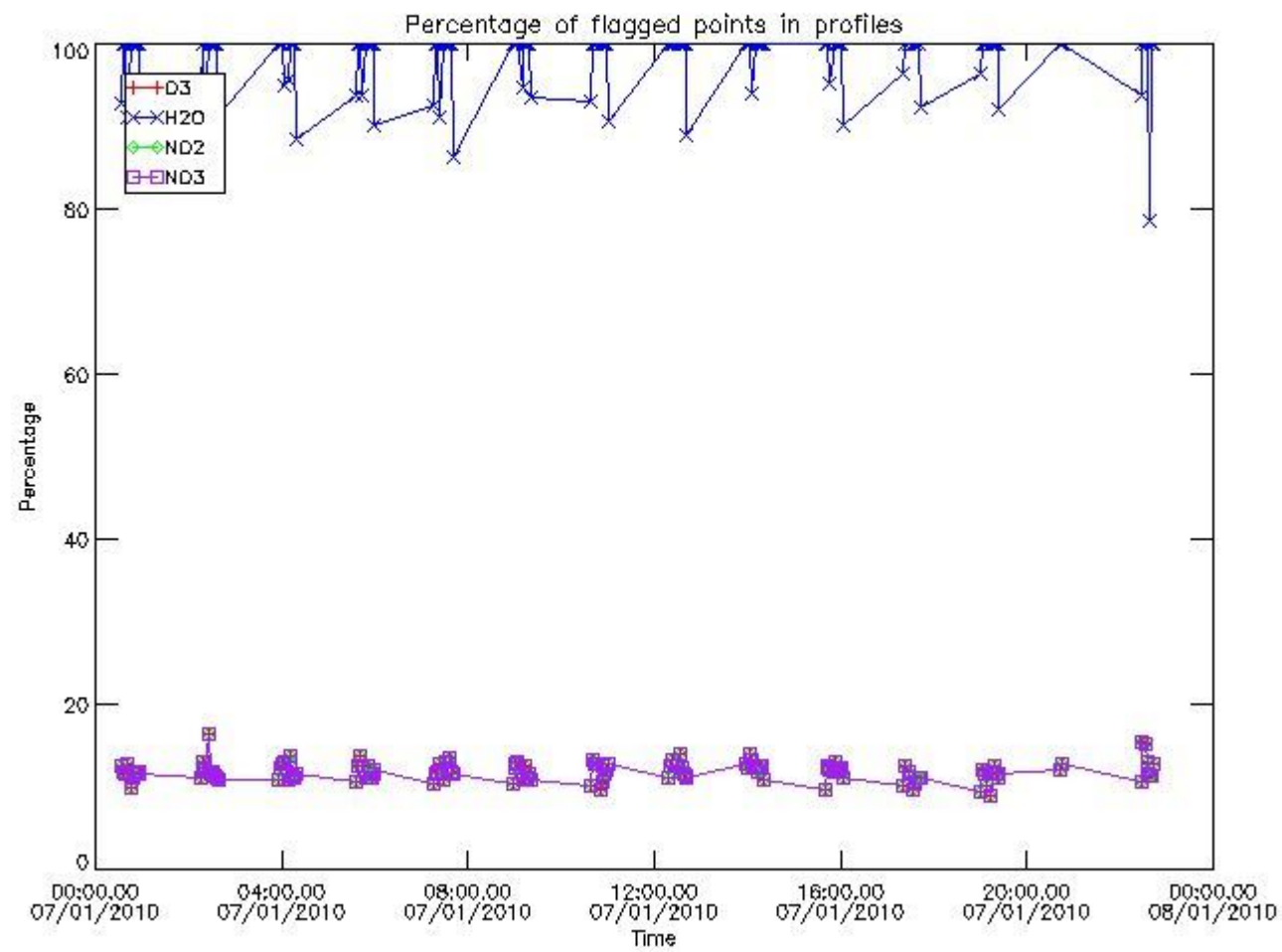
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338	GOM_NL__2PRFIN20100107_230957_000000362085_00445_41080_9051.N1	07-JAN-2010 23:09:57	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	41080	No
339	GOM_NL__2PRFIN20100107_232219_000000362085_00445_41080_9052.N1	07-JAN-2010 23:22:19	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	41080	No
340	GOM_NL__2PRFIN20100107_232635_000000402085_00445_41080_9053.N1	07-JAN-2010 23:26:35	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	41080	No
341	GOM_NL__2PRFIN20100107_233040_000000392085_00445_41080_9054.N1	07-JAN-2010 23:30:40	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	41080	No
342	GOM_NL__2PRFIN20100107_233913_000000332085_00445_41080_9055.N1	07-JAN-2010 23:39:13	Bright	33.000	133	40Zet Her	2.8070	6000.0	66	41080	No
343	GOM_NL__2PRFIN20100107_234121_000000382085_00445_41080_9056.N1	07-JAN-2010 23:41:21	Bright	38.000	67	5Alp CrB	2.2210	11000.	76	41080	No
344	GOM_NL__2PRFIN20100107_234720_000000572085_00445_41080_9057.N1	07-JAN-2010 23:47:20	Bright	57.000	102	24Alp Ser	2.6000	4250.0	114	41080	No
345	GOM_NL__2PRFIN20100107_234933_000000342085_00445_41080_9058.N1	07-JAN-2010 23:49:33	Bright	34.000	120	1Del Oph	2.7340	3200.0	68	41080	No
346	GOM_NL__2PRFIN20100107_235242_000000472085_00445_41080_9059.N1	07-JAN-2010 23:52:42	Bright	47.000	104	27Bet Lib	2.6140	13100.	94	41080	No
347	GOM_NL__2PRFIN20100107_235501_000000422085_00445_41080_9060.N1	07-JAN-2010 23:55:01	Tw_i_and_stray	42.000	80	7Del Sco	2.3160	30000.	84	41080	No

3. Quality information per product

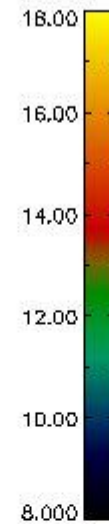
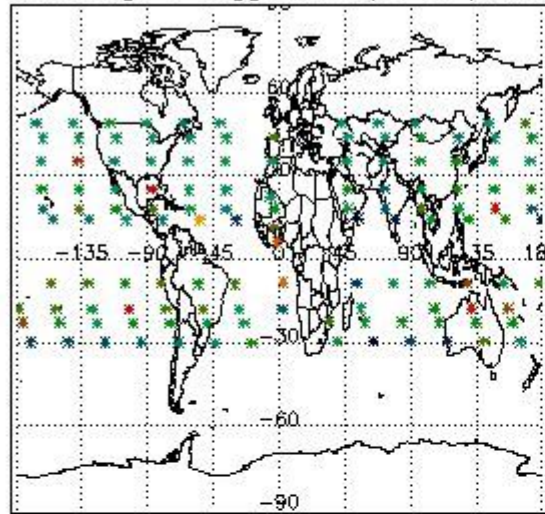
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

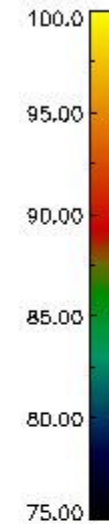
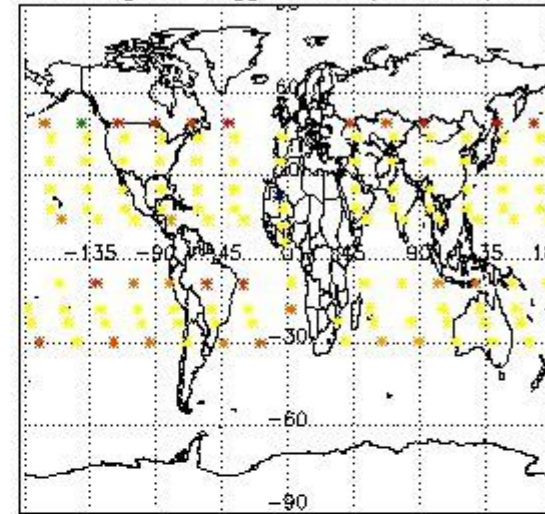


3.2 Plot quality information per product (world map)

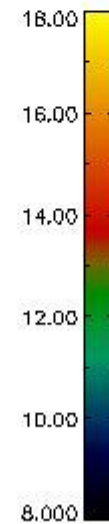
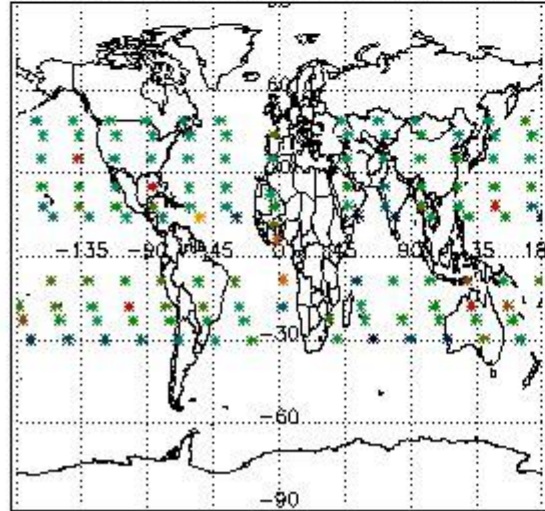
Percentage of flagged data per O3 profile



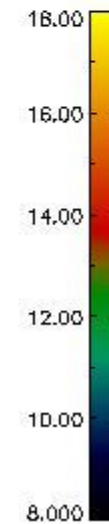
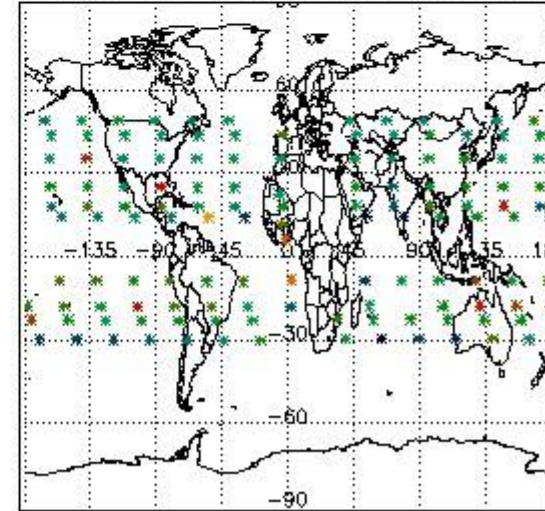
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

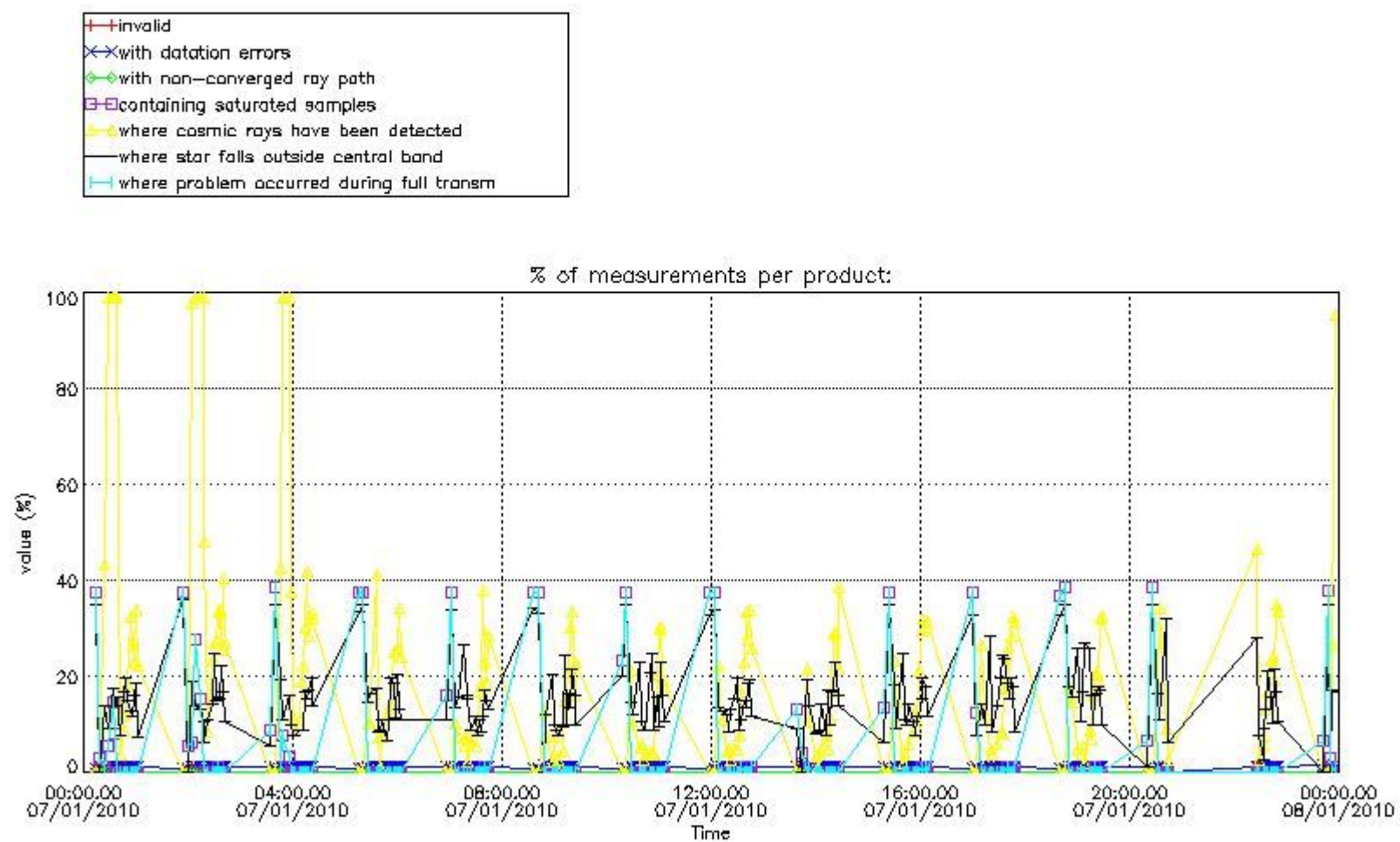


4. Level 1 quality information per product

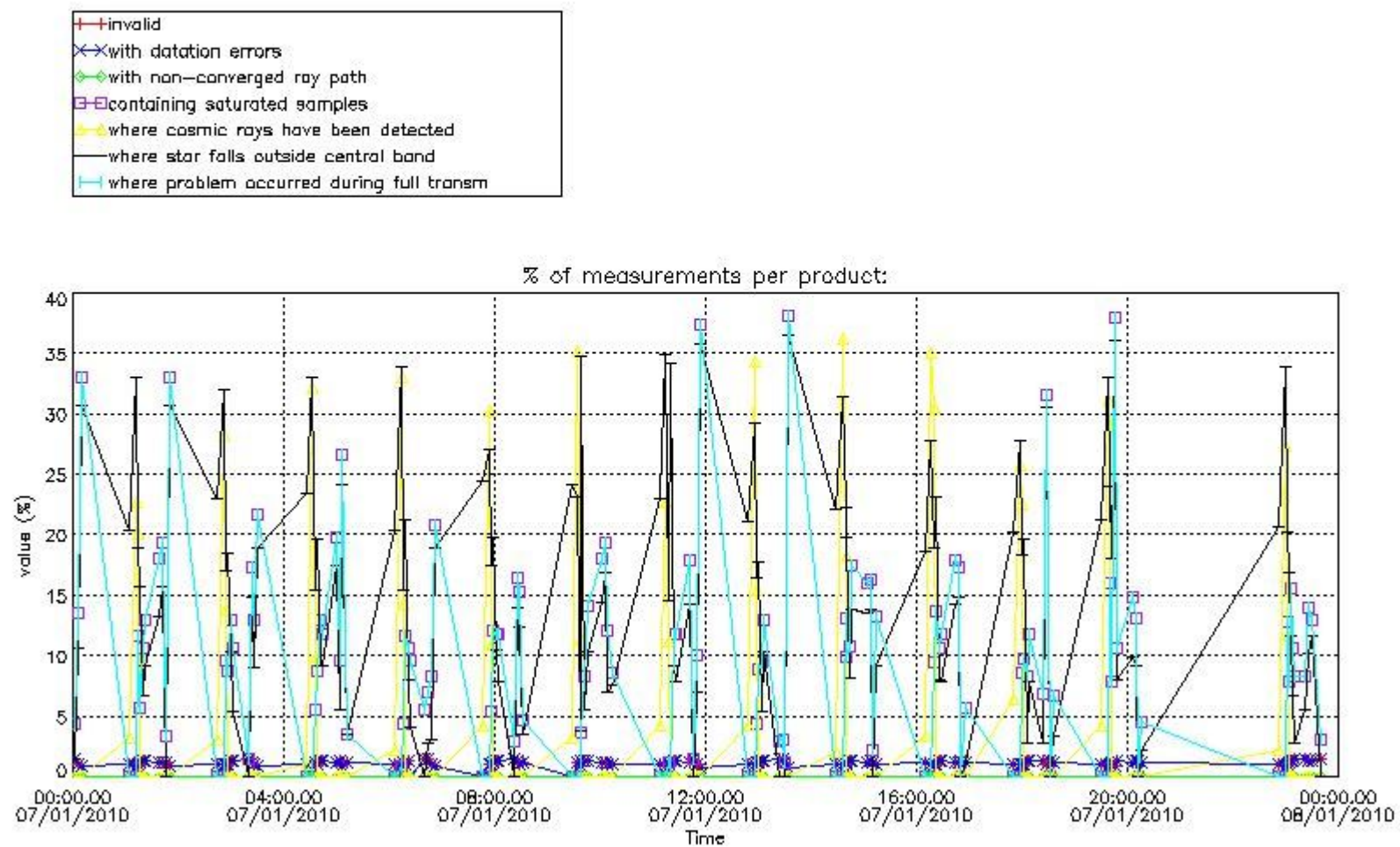
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



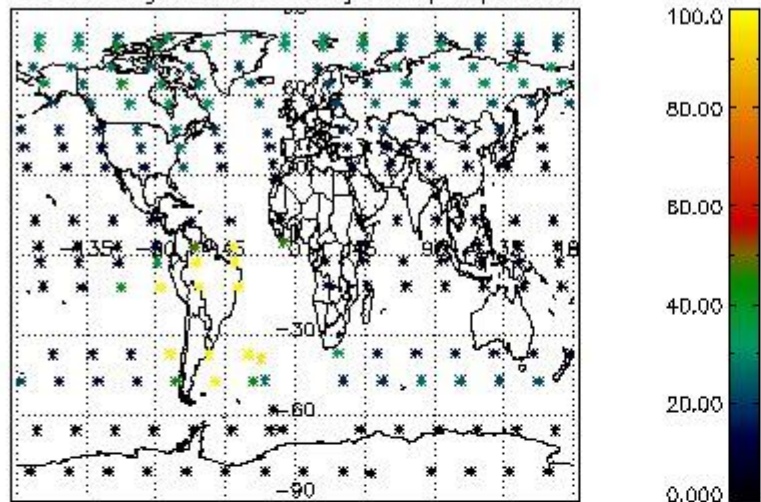
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



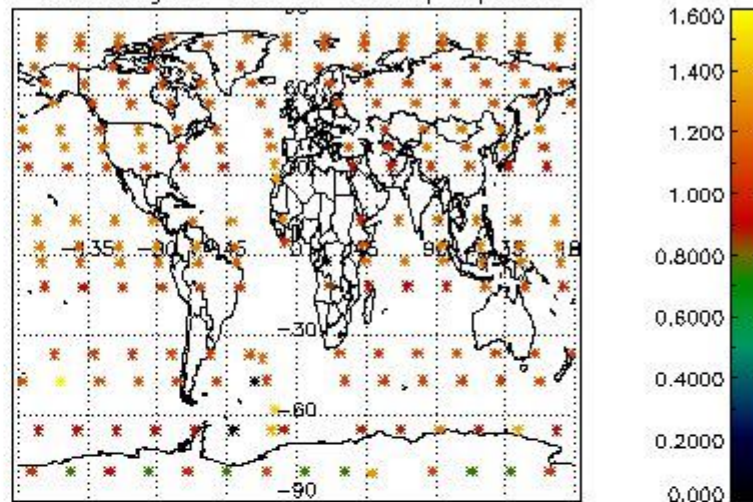
4.2 Plot quality information per product coming from level 1b processing (world map)

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

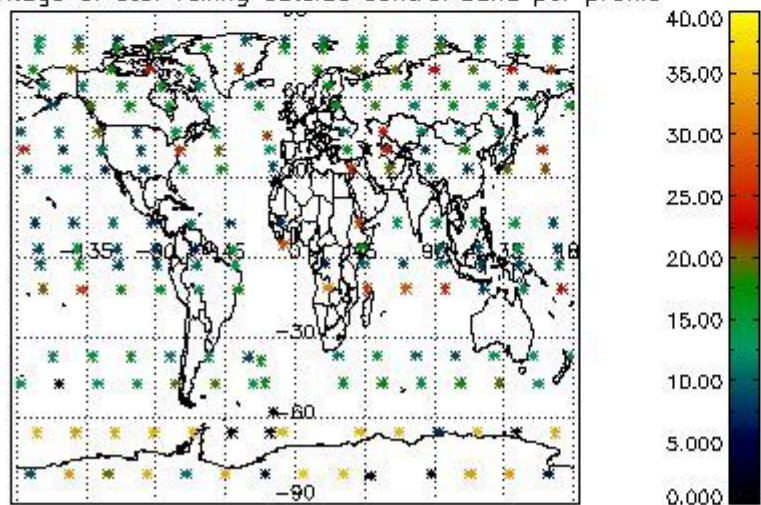
Percentage of cosmic ray hits per profile



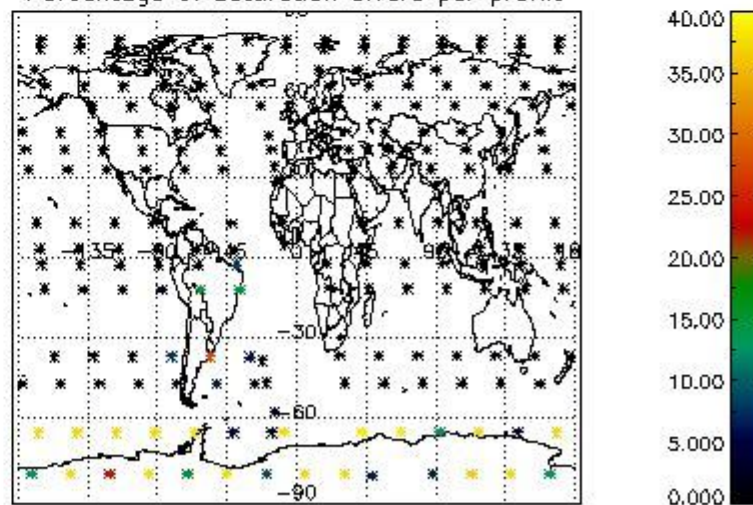
Percentage of datation errors per profile



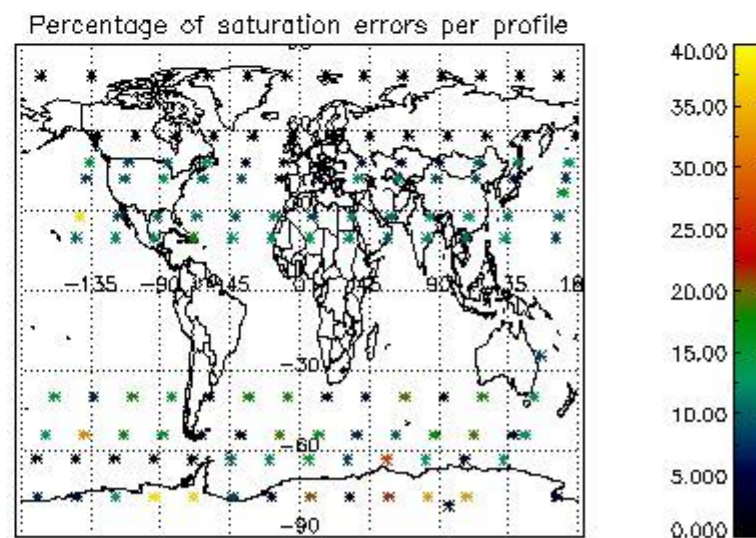
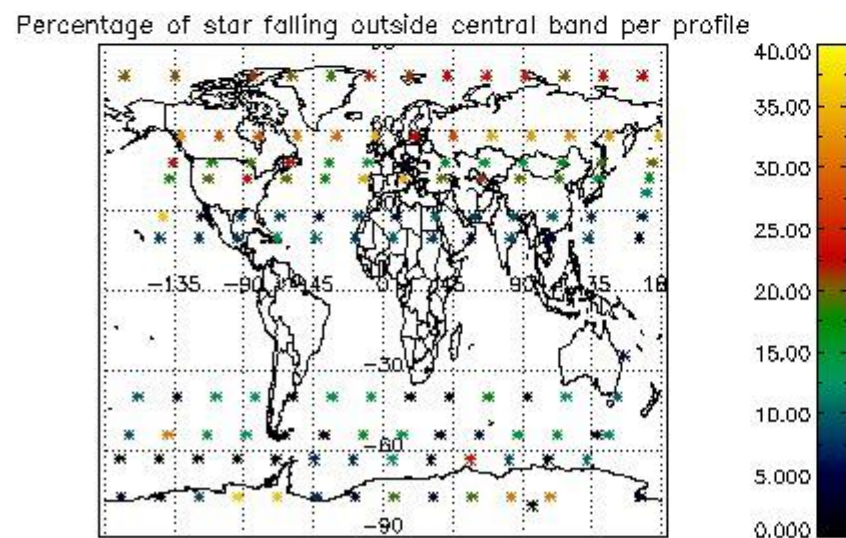
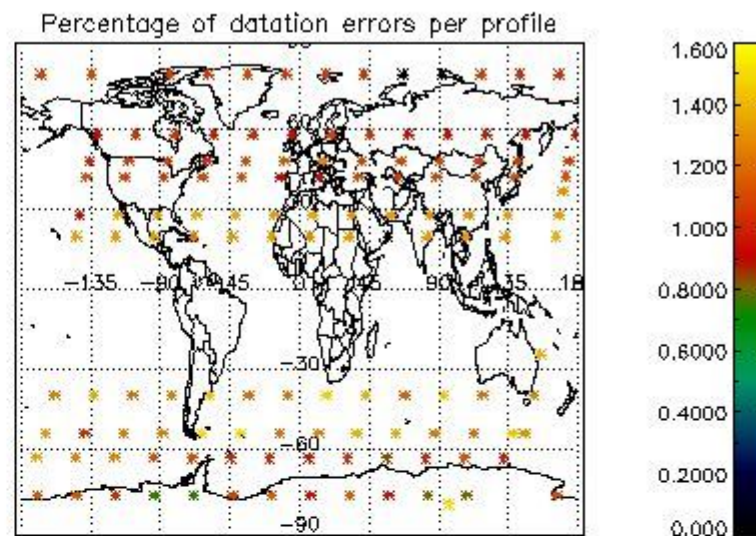
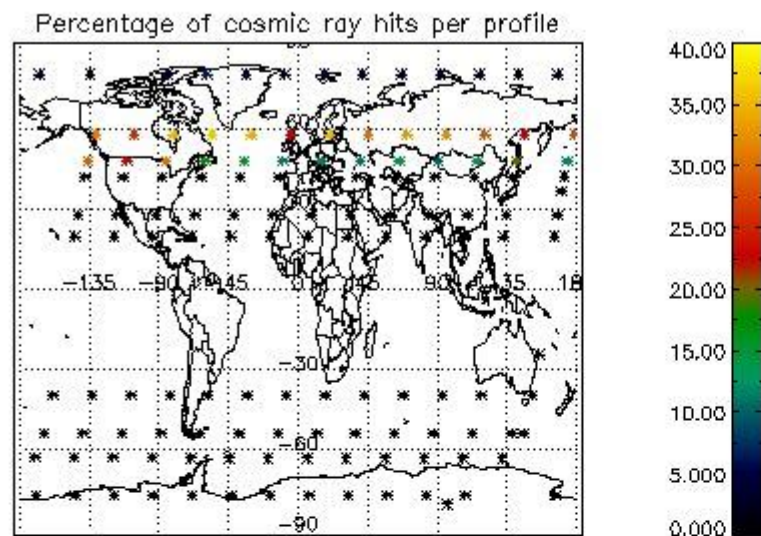
Percentage of star falling outside central band per profile



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

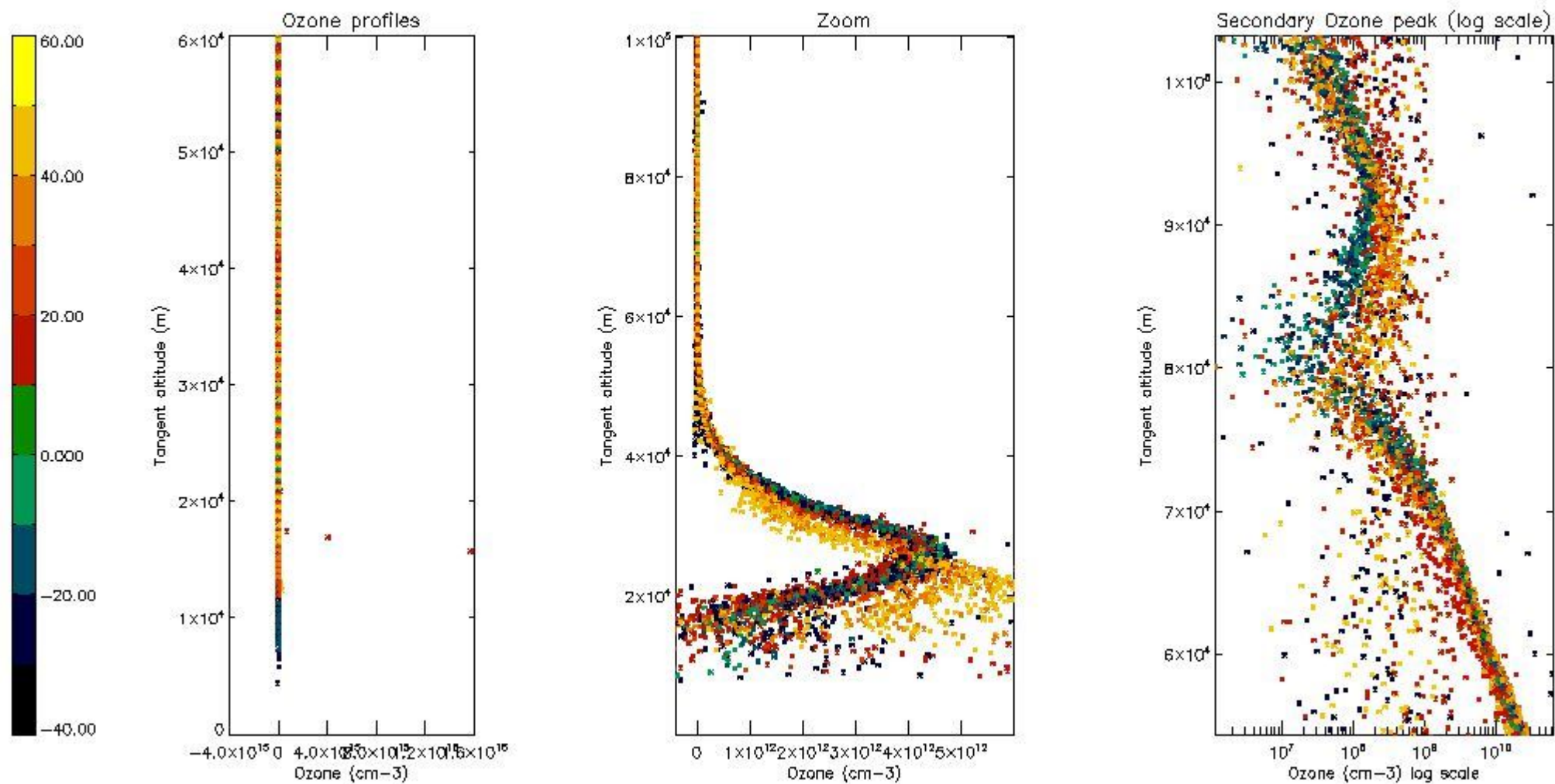
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	37
STD < 20	18

STD < 10	14
STD < 5	9

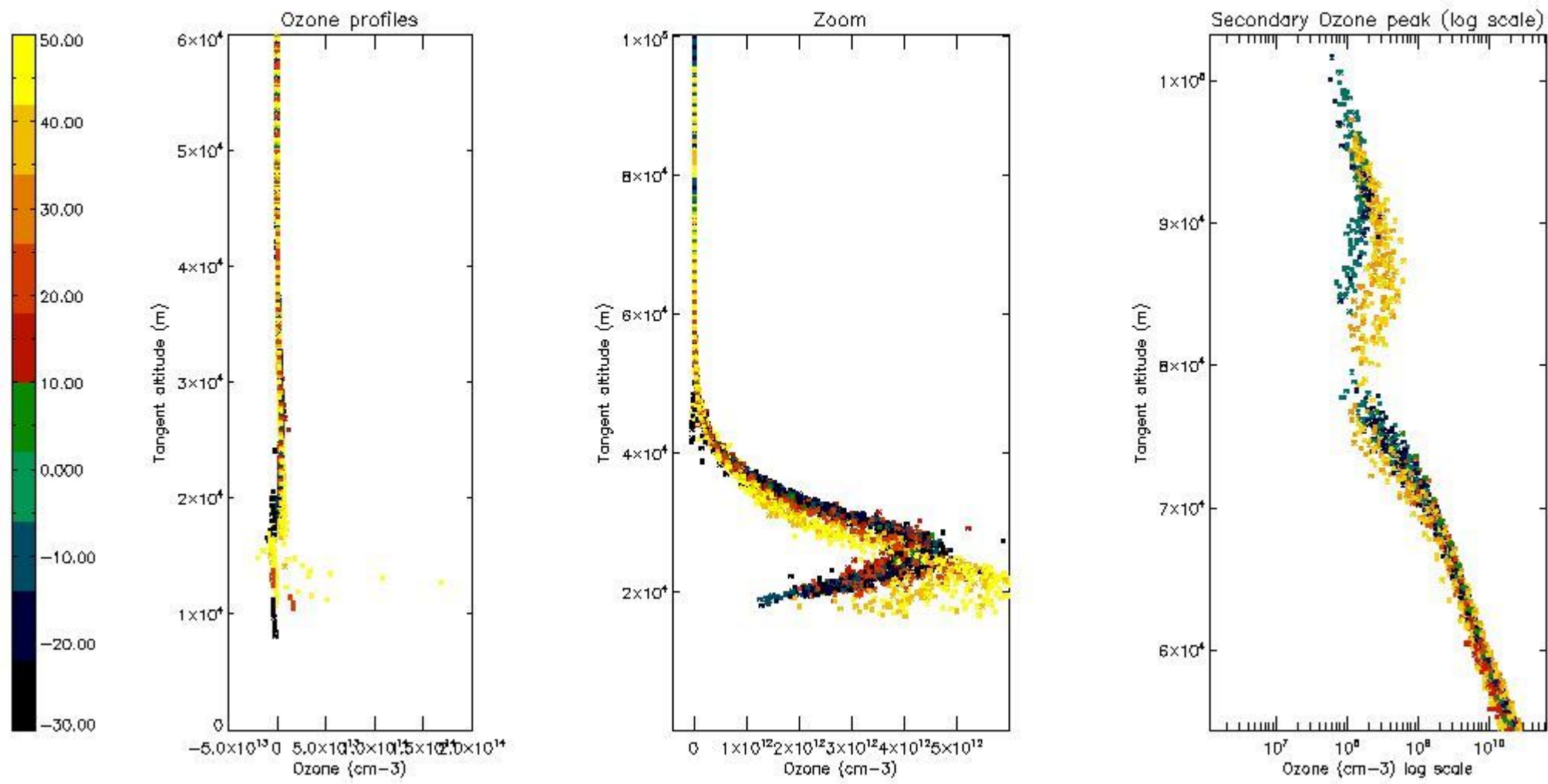
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



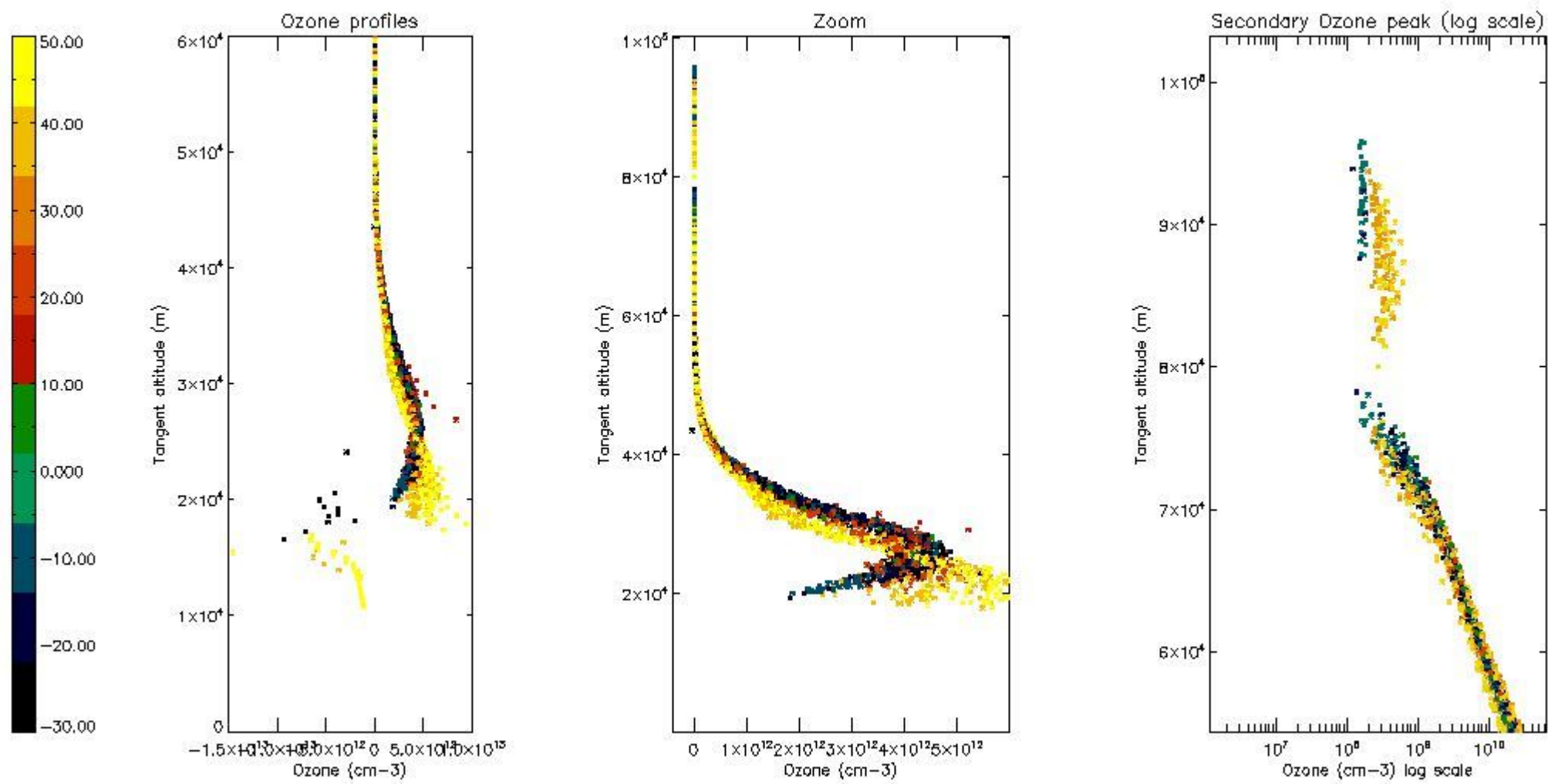
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



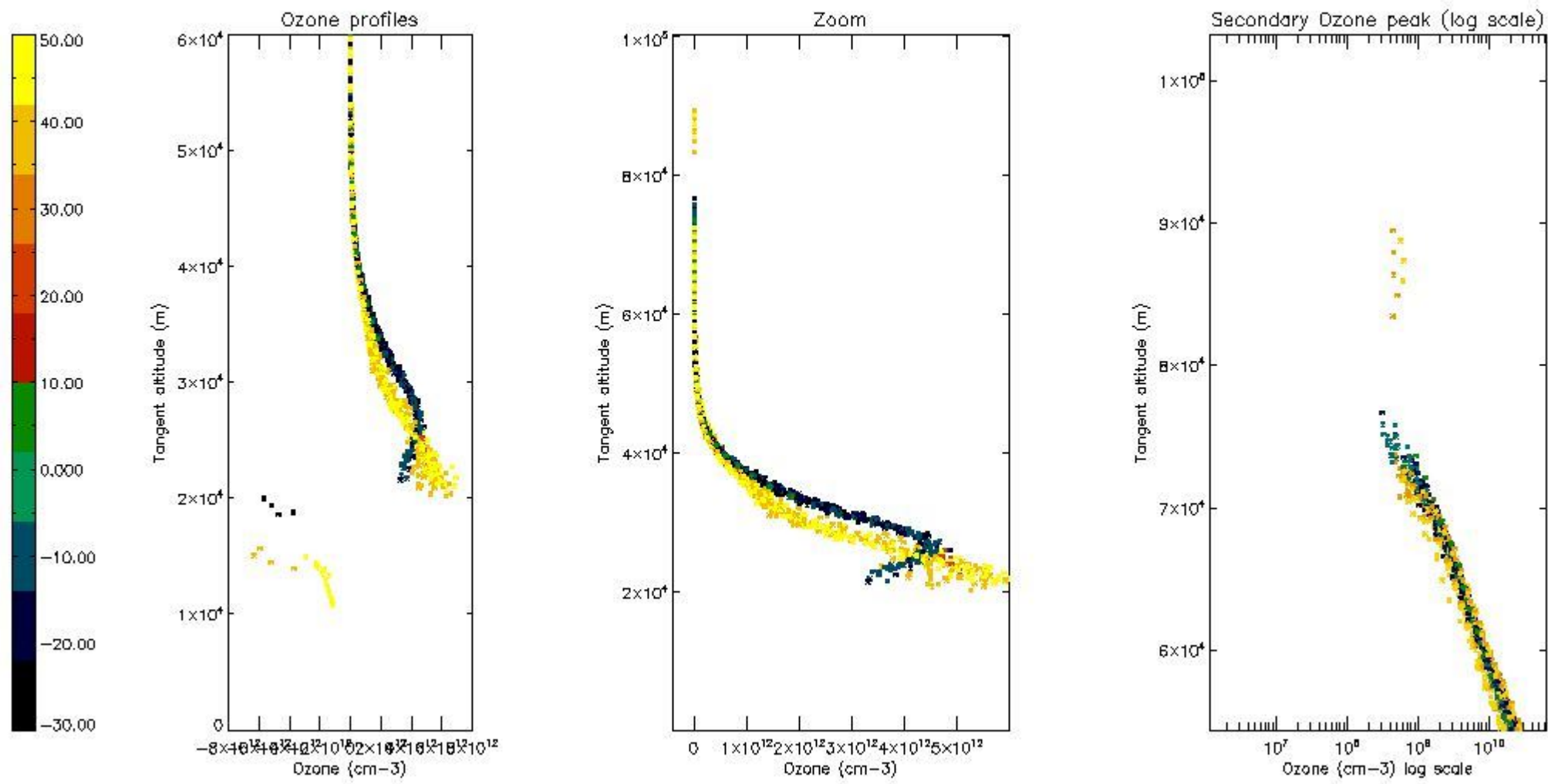
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



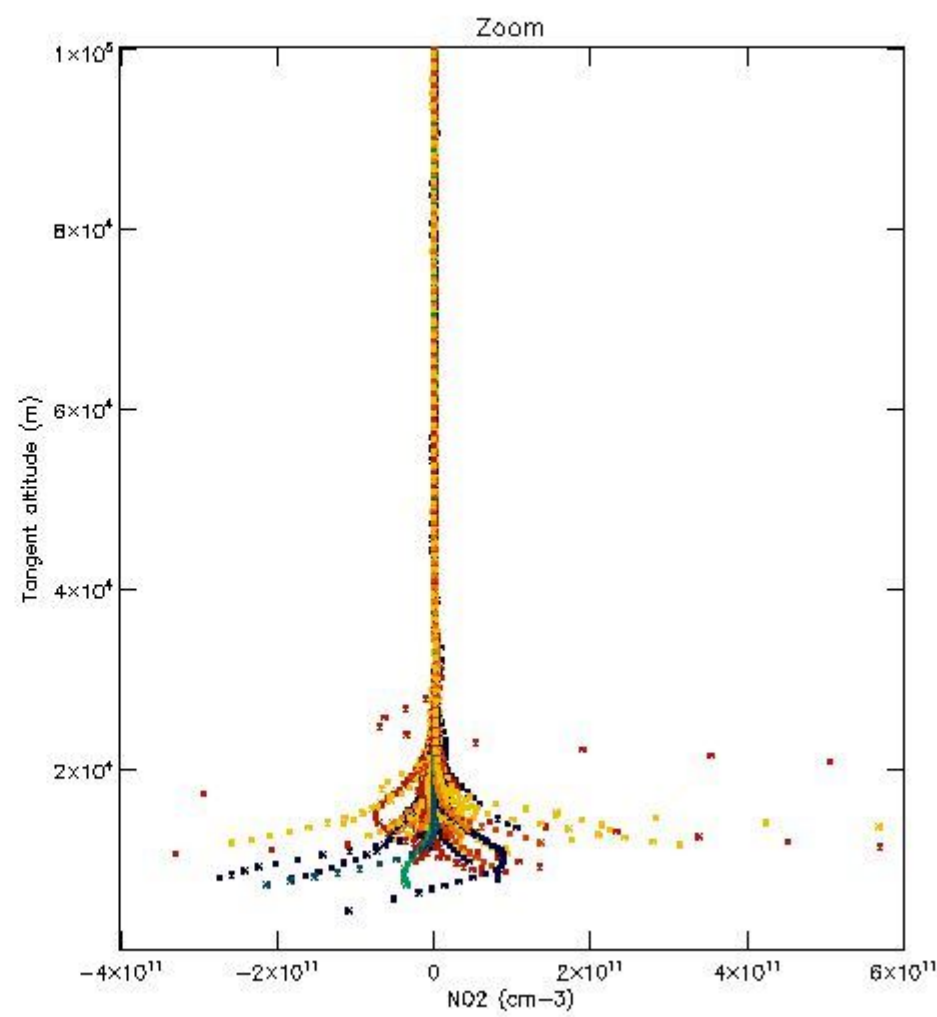
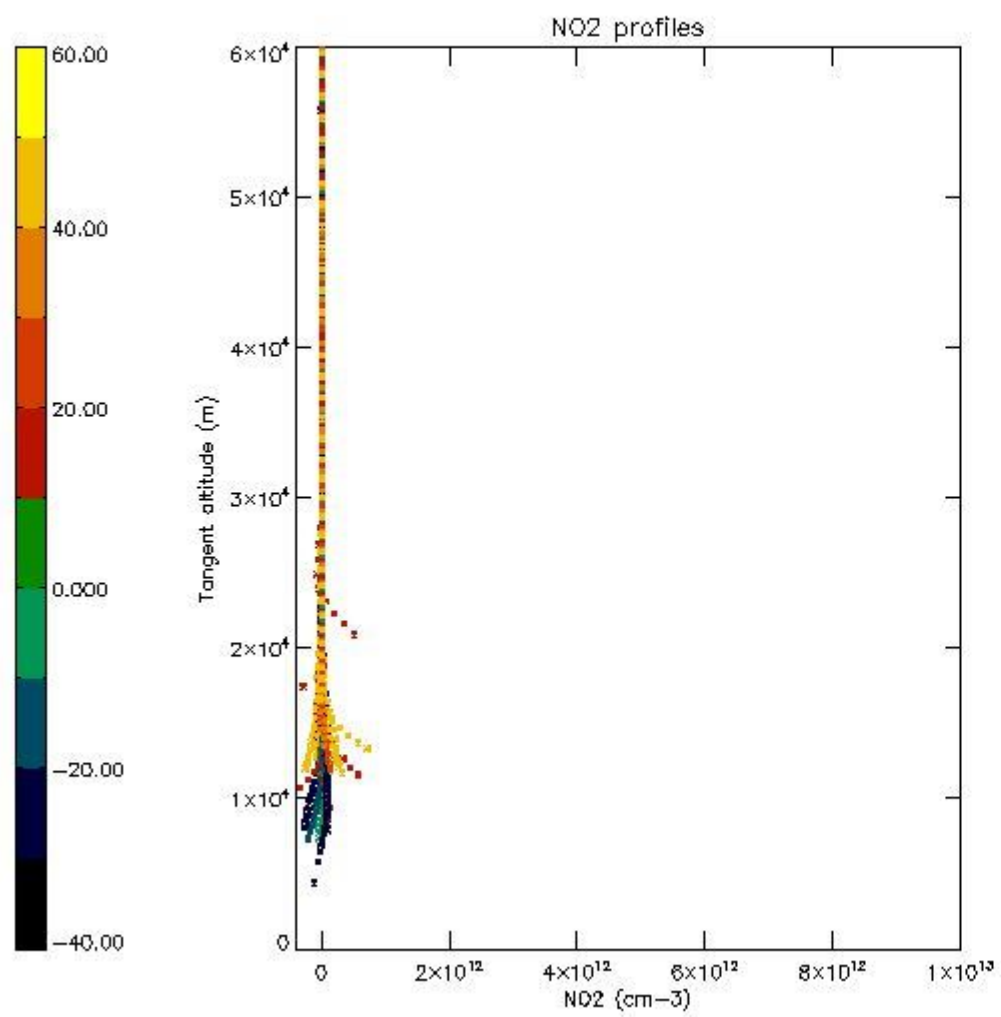
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



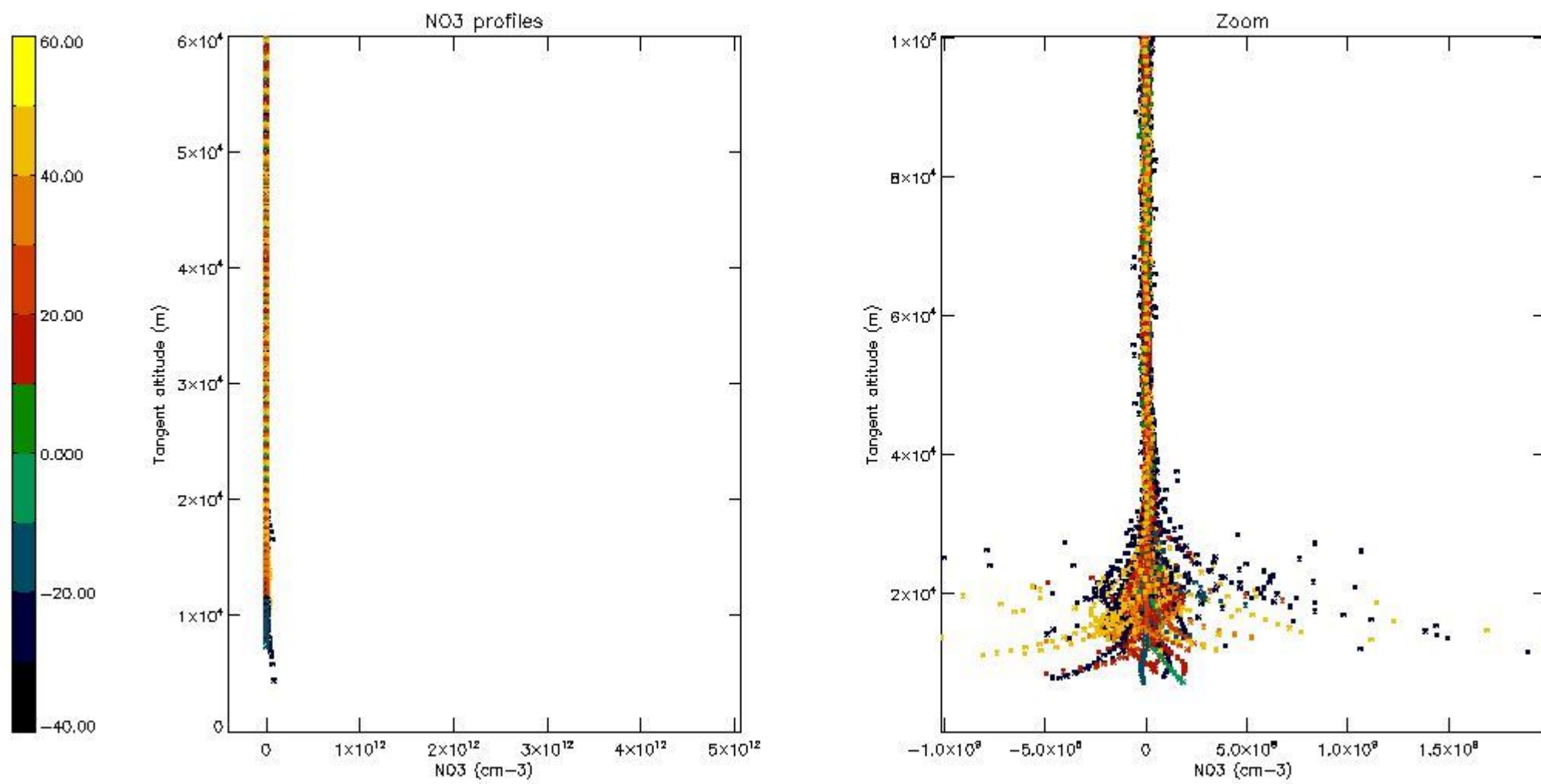
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



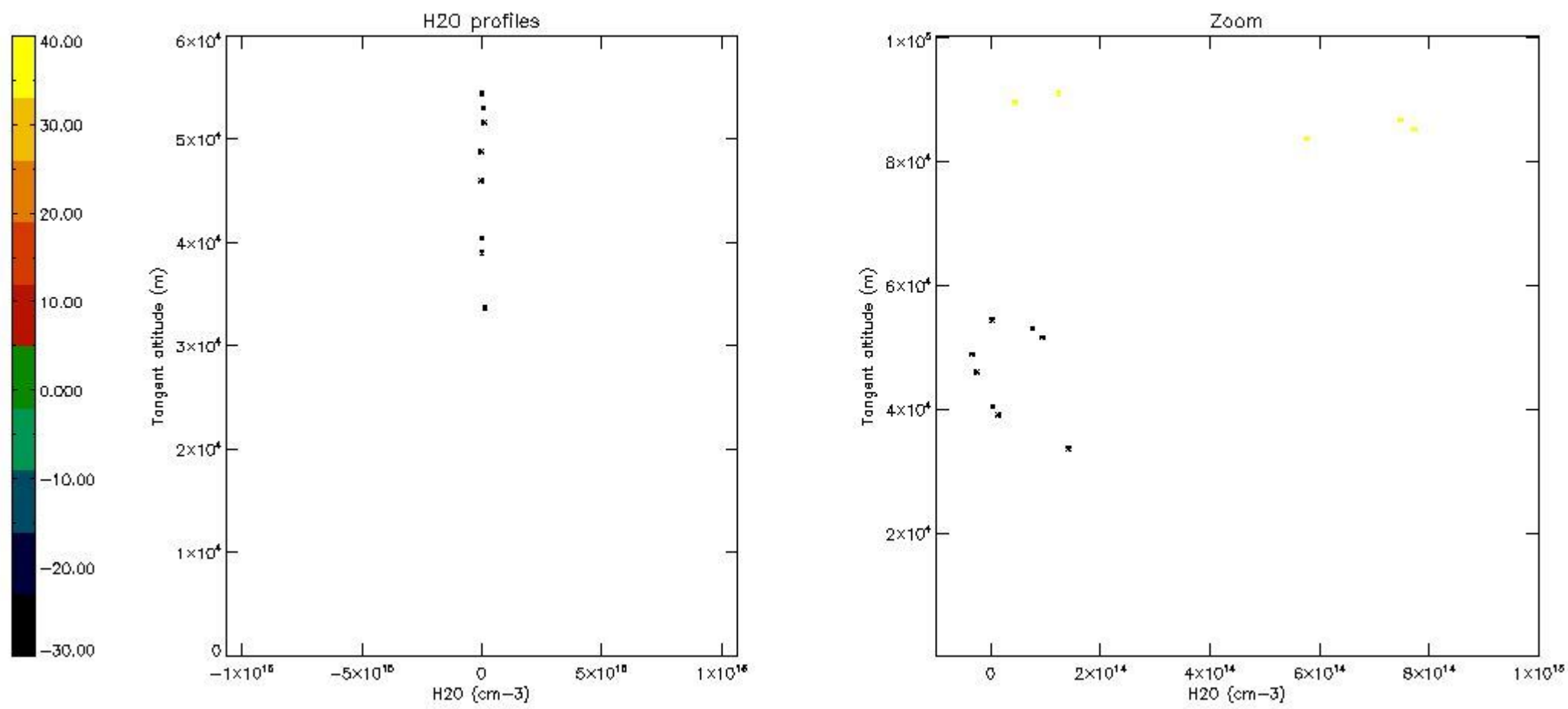
5.7 Plot NO3 profiles for all STD (dark without errors)

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-JAN-2010 00:02:17
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	07-JAN-2010 00:02:17
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	07-JAN-2010 00:02:17

GOMOS Level 2 Daily Report

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[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	26APR2013 16:06:14
Data source version	GOMOS/6.01
Start time of products	07-01-2010 (07JAN2010 00:00:00)
Stop time of products	08-01-2010 (08JAN2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	347
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

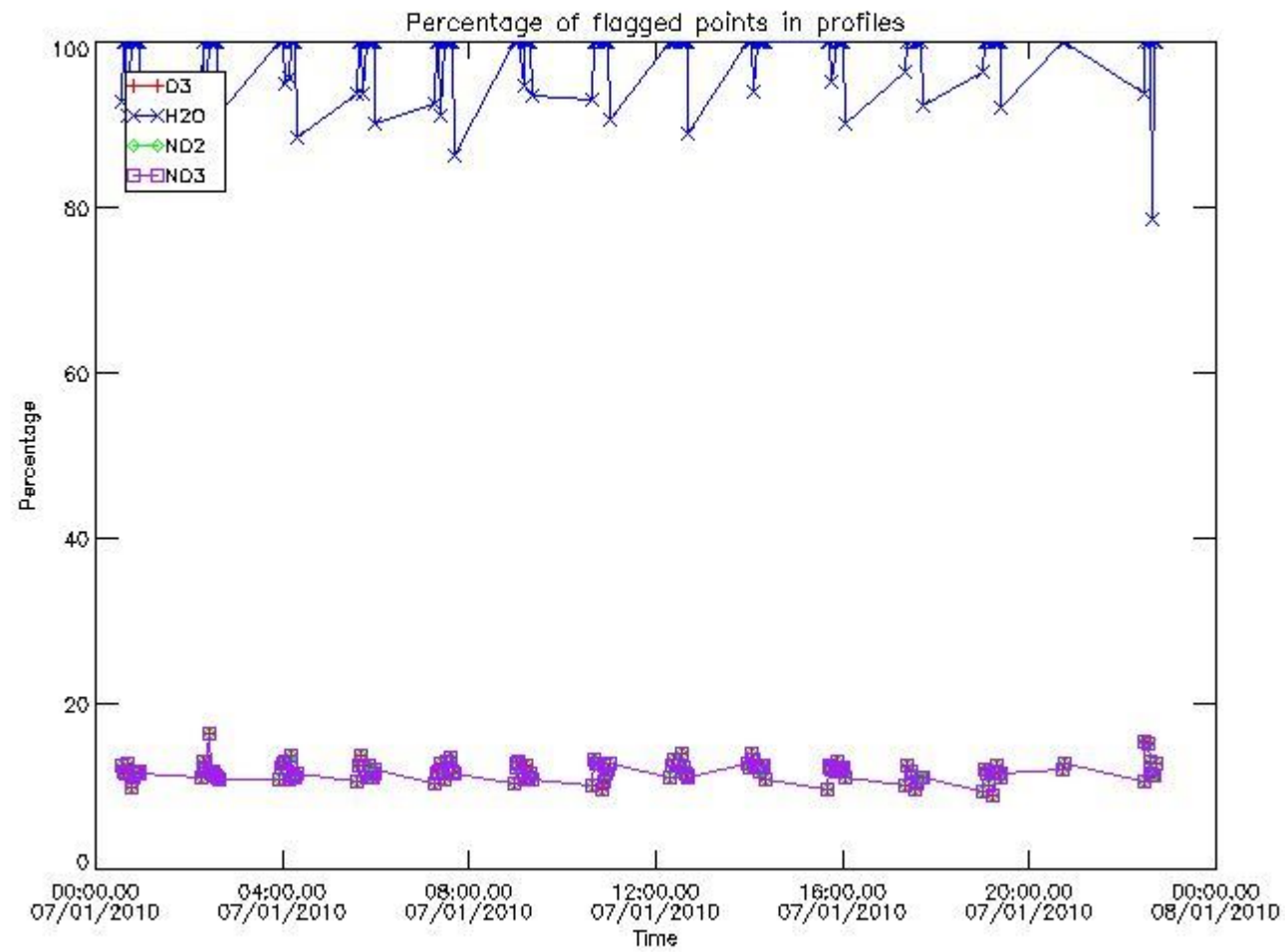
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20100107_000217_000000352085_00431_41066_8756.N1	07-JAN-2010 00:02:17	Bright	34.500	119	14Eta Dra	2.7270	4700.0	69	41066	No
2	GOM_NL__2PRFIN20100107_000501_000000522085_00431_41066_8757.N1	07-JAN-2010 00:05:01	Bright	51.500	39	85Eta UMa	1.8540	24000.	103	41066	No
3	GOM_NL__2PRFIN20100107_000927_000000622085_00431_41066_8758.N1	07-JAN-2010 00:09:27	Bright	62.000	180	27Gam Boo	3.0400	8000.0	124	41066	No
4	GOM_NL__2PRFIN20100107_001326_000000672085_00431_41066_8759.N1	07-JAN-2010 00:13:26	Bright	67.000	83		2.3780	11000.	134	41066	No
5	GOM_NL__2PRFIN20100107_001851_000000362085_00431_41066_8760.N1	07-JAN-2010 00:18:51	Bright	36.000	102	24Alp Ser	2.6000	4250.0	72	41066	No
6	GOM_NL__2PRFIN20100107_002410_000000442085_00431_41066_8761.N1	07-JAN-2010 00:24:10	Bright	44.000	104	27Bet Lib	2.6140	13100.	88	41066	No
7	GOM_NL__2PRFIN20100107_002703_000000452085_00431_41066_8762.N1	07-JAN-2010 00:27:03	Twilight	44.500	122	9Alp2Lib	2.7470	9700.0	89	41066	No
8	GOM_NL__2PRFIN20100107_003406_000000492085_00431_41066_8763.N1	07-JAN-2010 00:34:06	Dark	48.500	54	5The Cen	2.0550	4500.0	97	41066	No
9	GOM_NL__2PRFIN20100107_003641_000000442085_00431_41066_8764.N1	07-JAN-2010 00:36:41	Dark	43.500	95	Zet Cen	2.5450	26000.	87	41066	No
10	GOM_NL__2PRFIN20100107_003821_000000452085_00432_41067_8768.N1	07-JAN-2010 00:38:21	Dark	44.500	77	Eps Cen	2.3030	28000.	89	41067	No
11	GOM_NL__2PRFIN20100107_004103_000000402085_00432_41067_8769.N1	07-JAN-2010 00:41:03	Dark	40.000	20	Bet Cru	1.2530	30000.	80	41067	No
12	GOM_NL__2PRFIN20100107_004640_000000512085_00432_41067_8770.N1	07-JAN-2010 00:46:40	Dark	51.000	113	Mu Vel	2.6920	5000.0	102	41067	No
13	GOM_NL__2PRFIN20100107_004843_000000462085_00432_41067_8771.N1	07-JAN-2010 00:48:43	Dark	46.000	71	lot Car	2.2460	7700.0	92	41067	No
14	GOM_NL__2PRFIN20100107_005038_000000442085_00432_41067_8772.N1	07-JAN-2010 00:50:38	Dark	44.000	46	Del Vel	1.9540	10600.	88	41067	No
15	GOM_NL__2PRFIN20100107_005326_000000442085_00432_41067_8773.N1	07-JAN-2010 00:53:26	Dark	43.500	34	Gam2Vel	1.7930	23000.	87	41067	No
16	GOM_NL__2PRFIN20100107_005537_000000442085_00432_41067_8774.N1	07-JAN-2010 00:55:37	Dark	43.500	70	Zet Pup	2.2460	39000.	87	41067	No
17	GOM_NL__2PRFIN20100107_005730_000000442085_00432_41067_8775.N1	07-JAN-2010 00:57:30	Dark	44.000	117	Pi Pup	2.7060	3800.0	88	41067	No
18	GOM_NL__2PRFIN20100107_010011_000000462085_00432_41067_8776.N1	07-JAN-2010 01:00:11	Straylight	46.000	23	21Eps CMa	1.5020	26000.	92	41067	No
19	GOM_NL__2PRFIN20100107_010140_000000412085_00432_41067_8777.N1	07-JAN-2010 01:01:40	Straylight	40.500	179	24Omi2CMa	3.0320	24000.	81	41067	No
20	GOM_NL__2PRFIN20100107_010400_000000472085_00432_41067_8778.N1	07-JAN-2010 01:04:00	Straylight	46.500	1	9Alp CMa	-1.4400	11000.	93	41067	No
21	GOM_NL__2PRFIN20100107_011119_000000532085_00432_41067_8779.N1	07-JAN-2010 01:11:19	Twilight	53.000	14	58Alp Ori	0.87000	3000.0	106	41067	No
22	GOM_NL__2PRFIN20100107_011414_000000482085_00432_41067_8780.N1	07-JAN-2010 01:14:14	Twilight	47.500	44	24Gam Gem	1.9280	11000.	95	41067	No
23	GOM_NL__2PRFIN20100107_011554_000000452085_00432_41067_8781.N1	07-JAN-2010 01:15:54	Bright	44.500	151	13Mu Gem	2.8900	3000.0	89	41067	No
24	GOM_NL__2PRFIN20100107_011958_000000382085_00432_41067_8782.N1	07-JAN-2010 01:19:58	Bright	37.500	107	37The Aur	2.6490	11000.	75	41067	No
25	GOM_NL__2PRFIN20100107_012211_000000392085_00432_41067_8783.N1	07-JAN-2010 01:22:11	Bright	38.500	42	34Bet Aur	1.9000	10200.	77	41067	No
26	GOM_NL__2PRFIN20100107_013850_000000422085_00432_41067_8784.N1	07-JAN-2010 01:38:50	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	41067	No
27	GOM_NL__2PRFIN20100107_014253_000000422085_00432_41067_8785.N1	07-JAN-2010 01:42:53	Bright	41.500	119	14Eta Dra	2.7270	4700.0	83	41067	No
28	GOM_NL__2PRFIN20100107_014537_000000452085_00432_41067_8786.N1	07-JAN-2010 01:45:37	Bright	44.500	39	85Eta UMa	1.8540	24000.	89	41067	No
29	GOM_NL__2PRFIN20100107_015003_000000622085_00432_41067_8787.N1	07-JAN-2010 01:50:03	Bright	62.000	180	27Gam Boo	3.0400	8000.0	124	41067	No
30	GOM_NL__2PRFIN20100107_015402_000000672085_00432_41067_8788.N1	07-JAN-2010 01:54:02	Bright	67.000	83		2.3780	11000.	134	41067	No
31	GOM_NL__2PRFIN20100107_015928_000000372085_00432_41067_8789.N1	07-JAN-2010 01:59:28	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	41067	No
32	GOM_NL__2PRFIN20100107_020447_000000482085_00432_41067_8790.N1	07-JAN-2010 02:04:47	Bright	47.500	104	27Bet Lib	2.6140	13100.	95	41067	No
33	GOM_NL__2PRFIN20100107_020740_000000472085_00432_41067_8791.N1	07-JAN-2010 02:07:40	Twilight	47.000	122	9Alp2Lib	2.7470	9700.0	94	41067	No
34	GOM_NL__2PRFIN20100107_021443_000000462085_00432_41067_8792.N1	07-JAN-2010 02:14:43	Dark	46.000	54	5The Cen	2.0550	4500.0	92	41067	No
35	GOM_NL__2PRFIN20100107_021718_000000432085_00432_41067_8793.N1	07-JAN-2010 02:17:18	Dark	42.500	95	Zet Cen	2.5450	26000.	85	41067	No
36	GOM_NL__2PRFIN20100107_021857_000000402085_00433_41068_8777.N1	07-JAN-2010 02:18:57	Dark	39.500	77	Eps Cen	2.3030	28000.	79	41068	No
37	GOM_NL__2PRFIN20100107_022140_000000422085_00433_41068_8778.N1	07-JAN-2010 02:21:40	Dark	41.500	20	Bet Cru	1.2530	30000.	83	41068	No
38	GOM_NL__2PRFIN20100107_022717_000000502085_00433_41068_8779.N1	07-JAN-2010 02:27:17	Dark	49.500	113	Mu Vel	2.6920	5000.0	99	41068	No
39	GOM_NL__2PRFIN20100107_022920_000000492085_00433_41068_8780.N1	07-JAN-2010 02:29:20	Dark	48.500	71	lot Car	2.2460	7700.0	97	41068	No
40	GOM_NL__2PRFIN20100107_023114_000000442085_00433_41068_8781.N1	07-JAN-2010 02:31:14	Dark	43.500	46	Del Vel	1.9540	10600.	87	41068	No
41	GOM_NL__2PRFIN20100107_023402_000000452085_00433_41068_8782.N1	07-JAN-2010 02:34:02	Dark	45.000	34	Gam2Vel	1.7930	23000.	90	41068	No
42	GOM_NL__2PRFIN20100107_023613_000000462085_00433_41068_8783.N1	07-JAN-2010 02:36:13	Dark	46.000	70	Zet Pup	2.2460	39000.	92	41068	No

338	GOM_NL__2PRFIN20100107_230957_000000362085_00445_41080_9051.N1	07-JAN-2010 23:09:57	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	41080	No
339	GOM_NL__2PRFIN20100107_232219_000000362085_00445_41080_9052.N1	07-JAN-2010 23:22:19	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	41080	No
340	GOM_NL__2PRFIN20100107_232635_000000402085_00445_41080_9053.N1	07-JAN-2010 23:26:35	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	41080	No
341	GOM_NL__2PRFIN20100107_233040_000000392085_00445_41080_9054.N1	07-JAN-2010 23:30:40	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	41080	No
342	GOM_NL__2PRFIN20100107_233913_000000332085_00445_41080_9055.N1	07-JAN-2010 23:39:13	Bright	33.000	133	40Zet Her	2.8070	6000.0	66	41080	No
343	GOM_NL__2PRFIN20100107_234121_000000382085_00445_41080_9056.N1	07-JAN-2010 23:41:21	Bright	38.000	67	5Alp CrB	2.2210	11000.	76	41080	No
344	GOM_NL__2PRFIN20100107_234720_000000572085_00445_41080_9057.N1	07-JAN-2010 23:47:20	Bright	57.000	102	24Alp Ser	2.6000	4250.0	114	41080	No
345	GOM_NL__2PRFIN20100107_234933_000000342085_00445_41080_9058.N1	07-JAN-2010 23:49:33	Bright	34.000	120	1Del Oph	2.7340	3200.0	68	41080	No
346	GOM_NL__2PRFIN20100107_235242_000000472085_00445_41080_9059.N1	07-JAN-2010 23:52:42	Bright	47.000	104	27Bet Lib	2.6140	13100.	94	41080	No
347	GOM_NL__2PRFIN20100107_235501_000000422085_00445_41080_9060.N1	07-JAN-2010 23:55:01	Twilight_stray	42.000	80	7Del Sco	2.3160	30000.	84	41080	No

3. Quality information per product

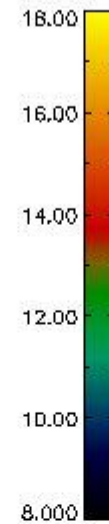
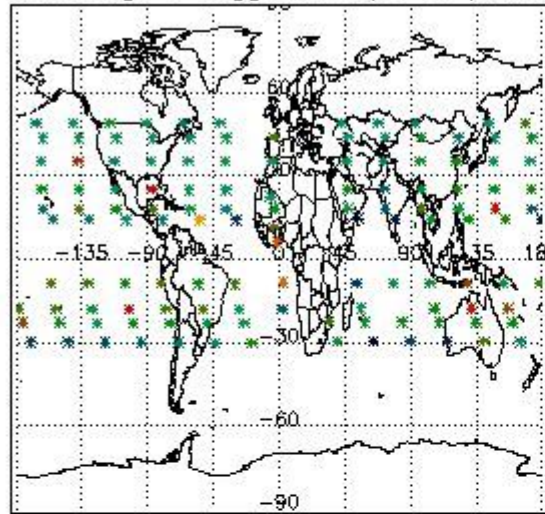
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

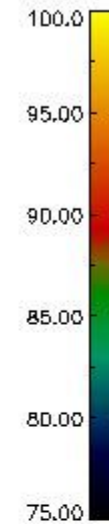
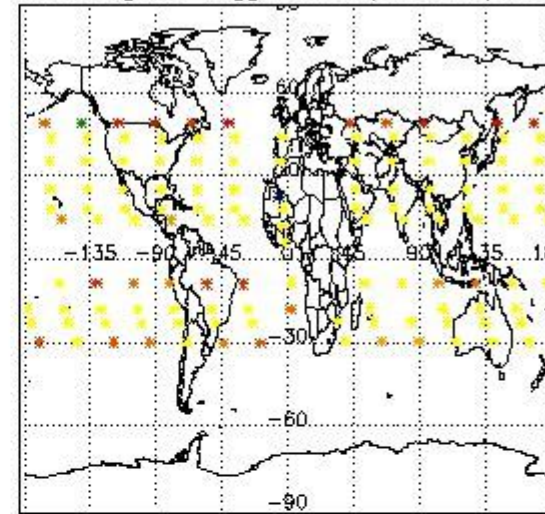


3.2 Plot quality information per product (world map)

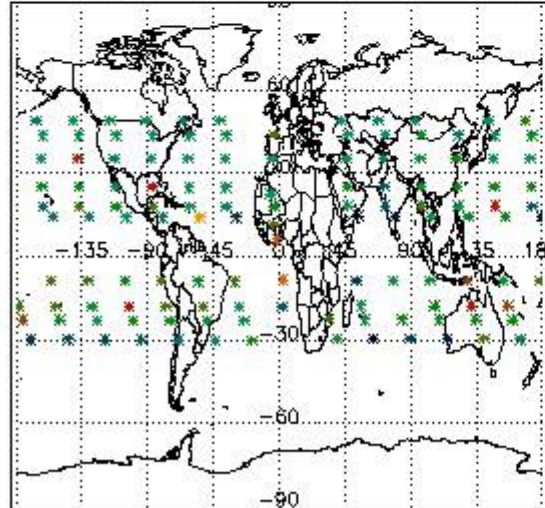
Percentage of flagged data per O3 profile



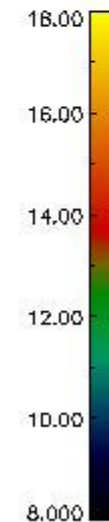
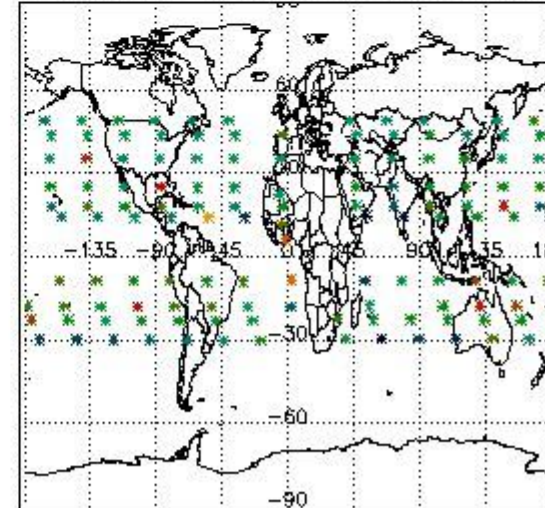
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

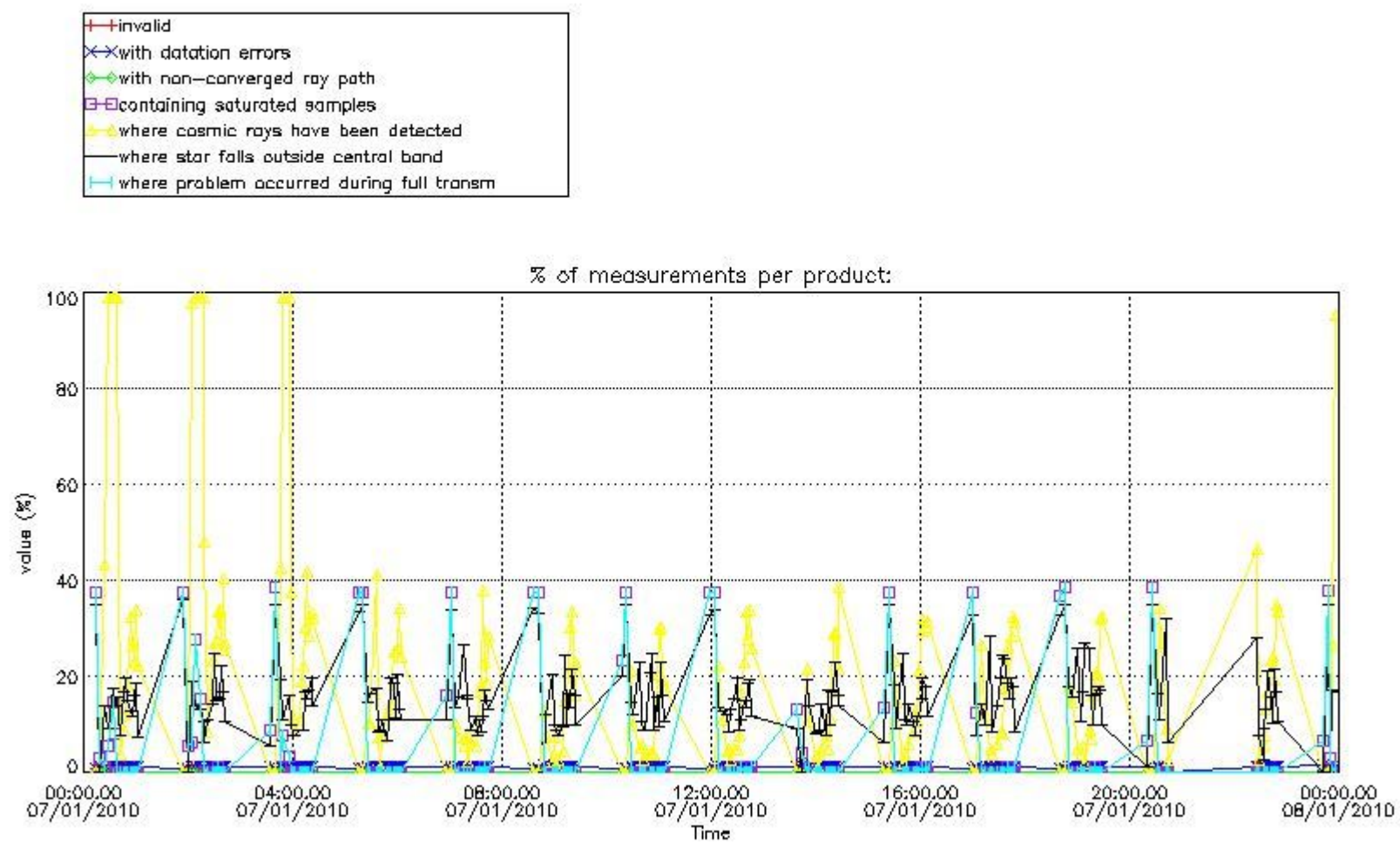


4. Level 1 quality information per product

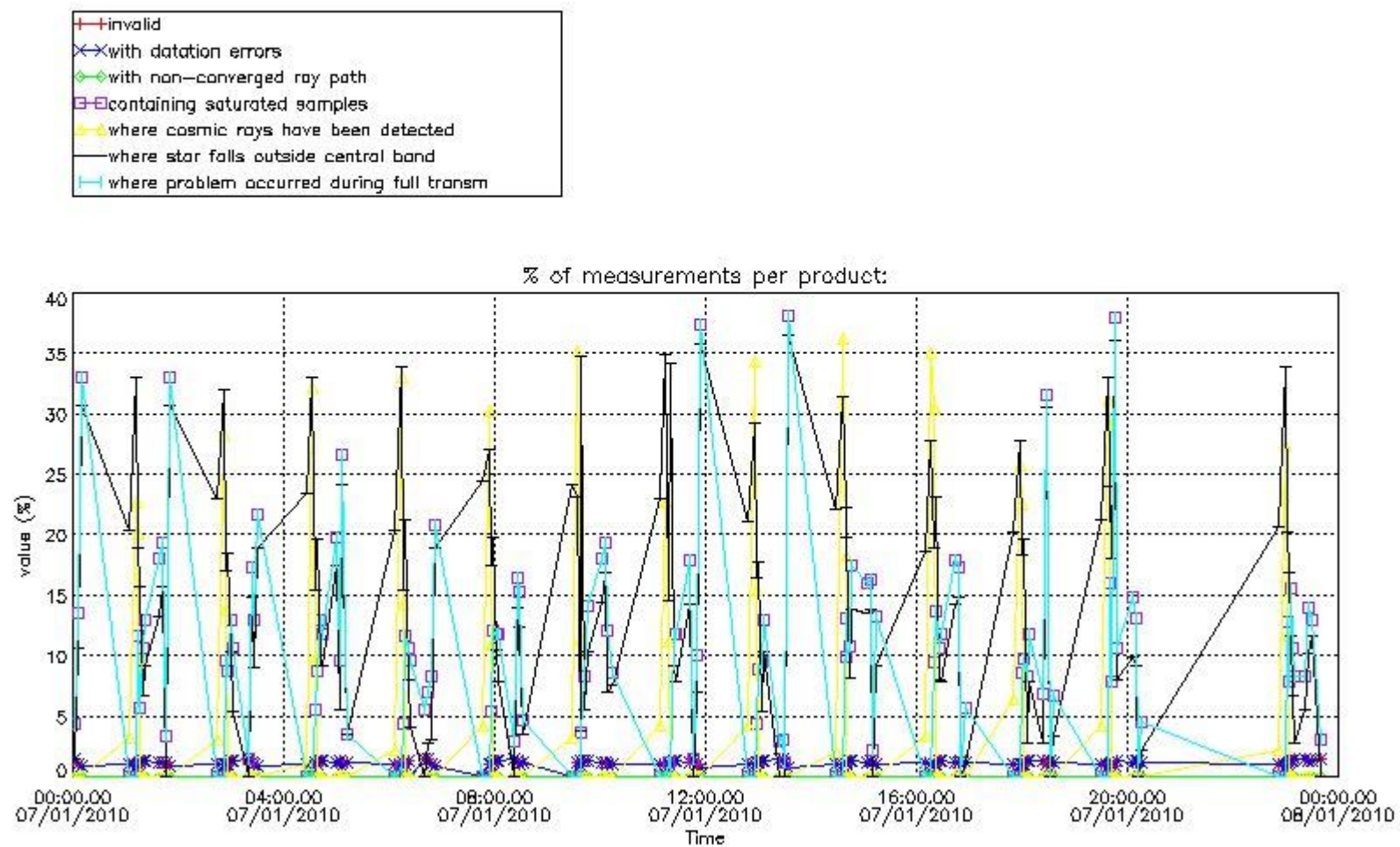
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



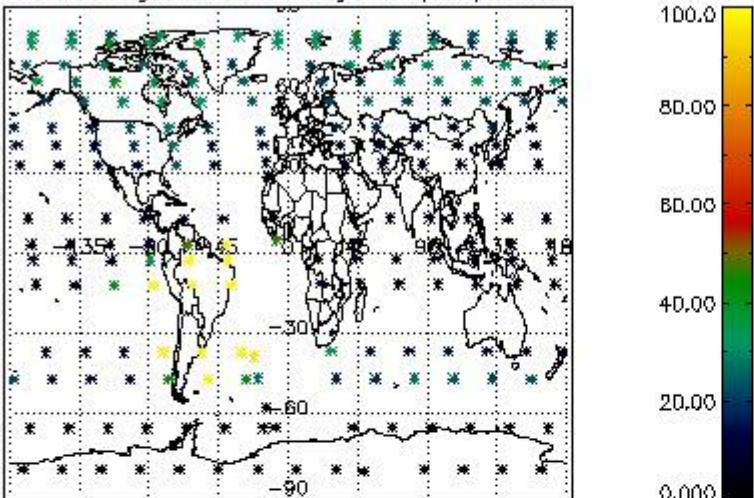
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



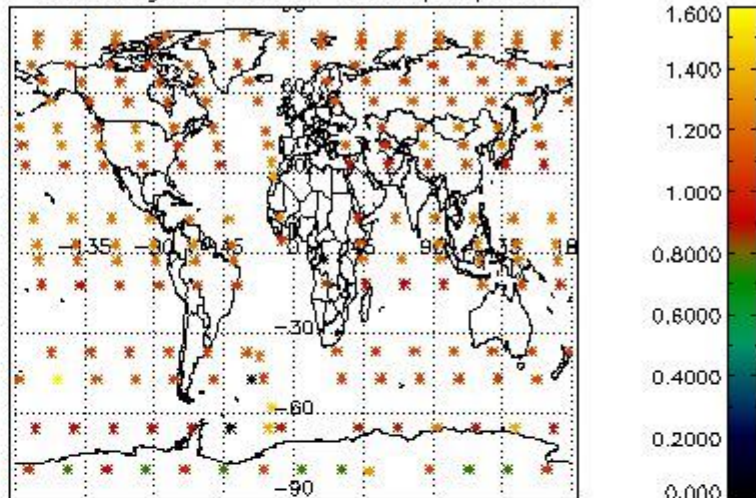
4.2 Plot quality information per product coming from level 1b processing (world map)

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

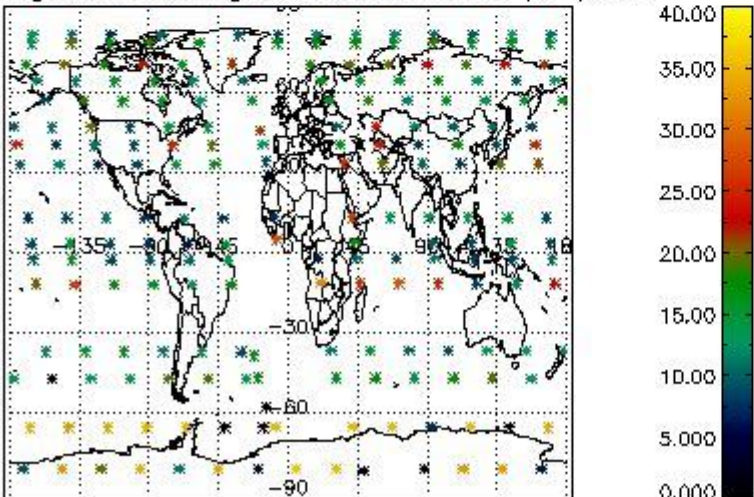
Percentage of cosmic ray hits per profile



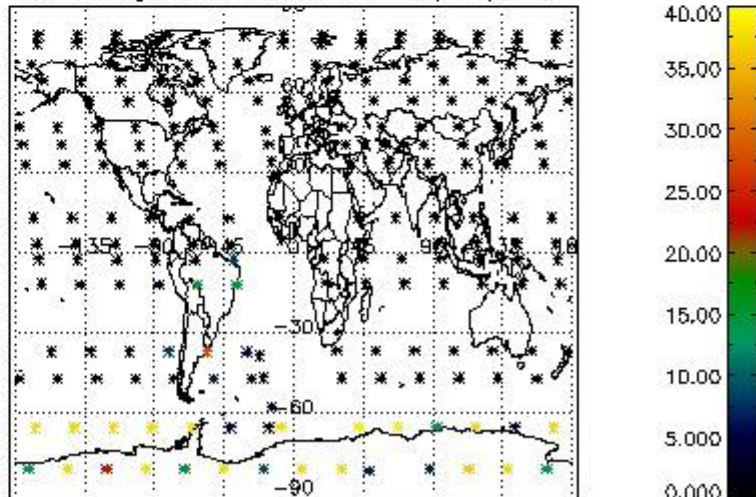
Percentage of datation errors per profile



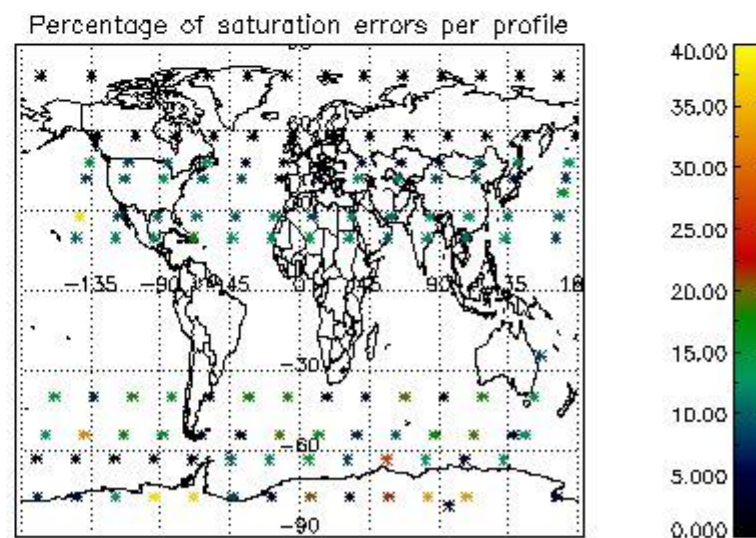
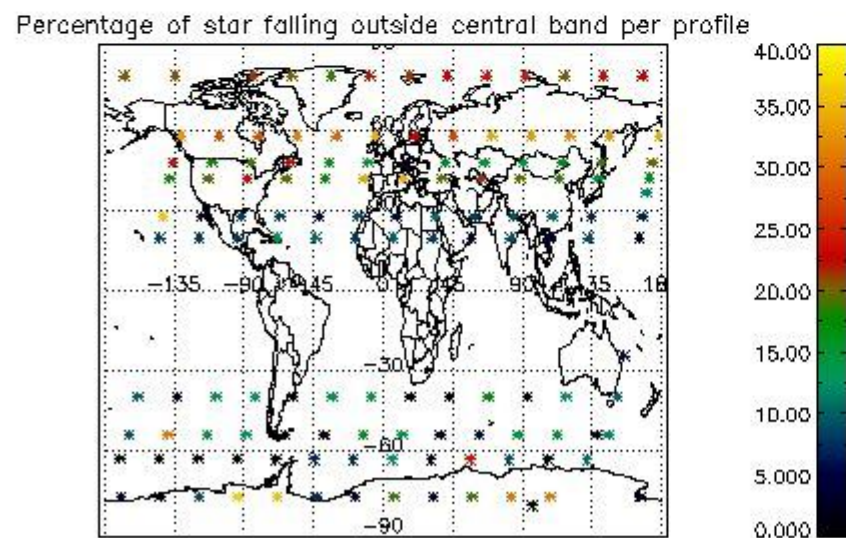
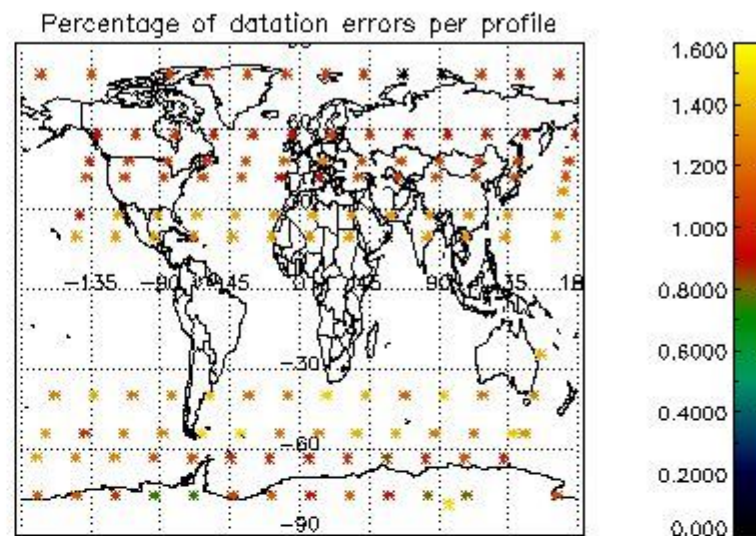
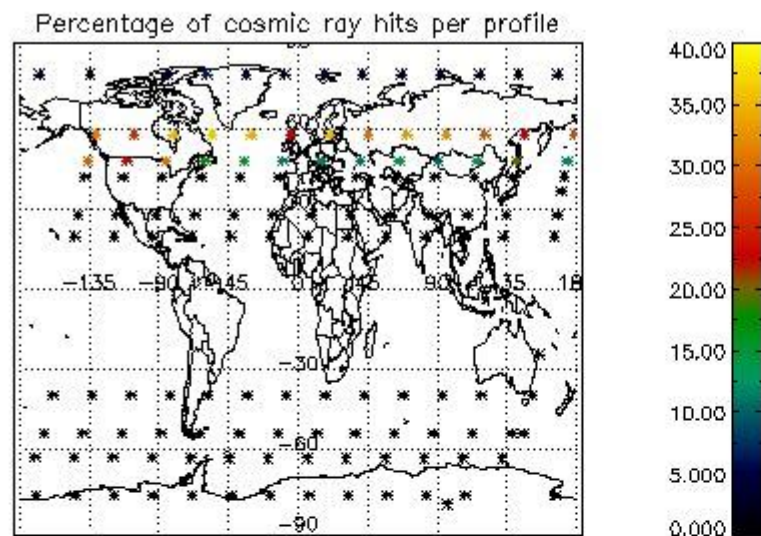
Percentage of star falling outside central band per profile



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

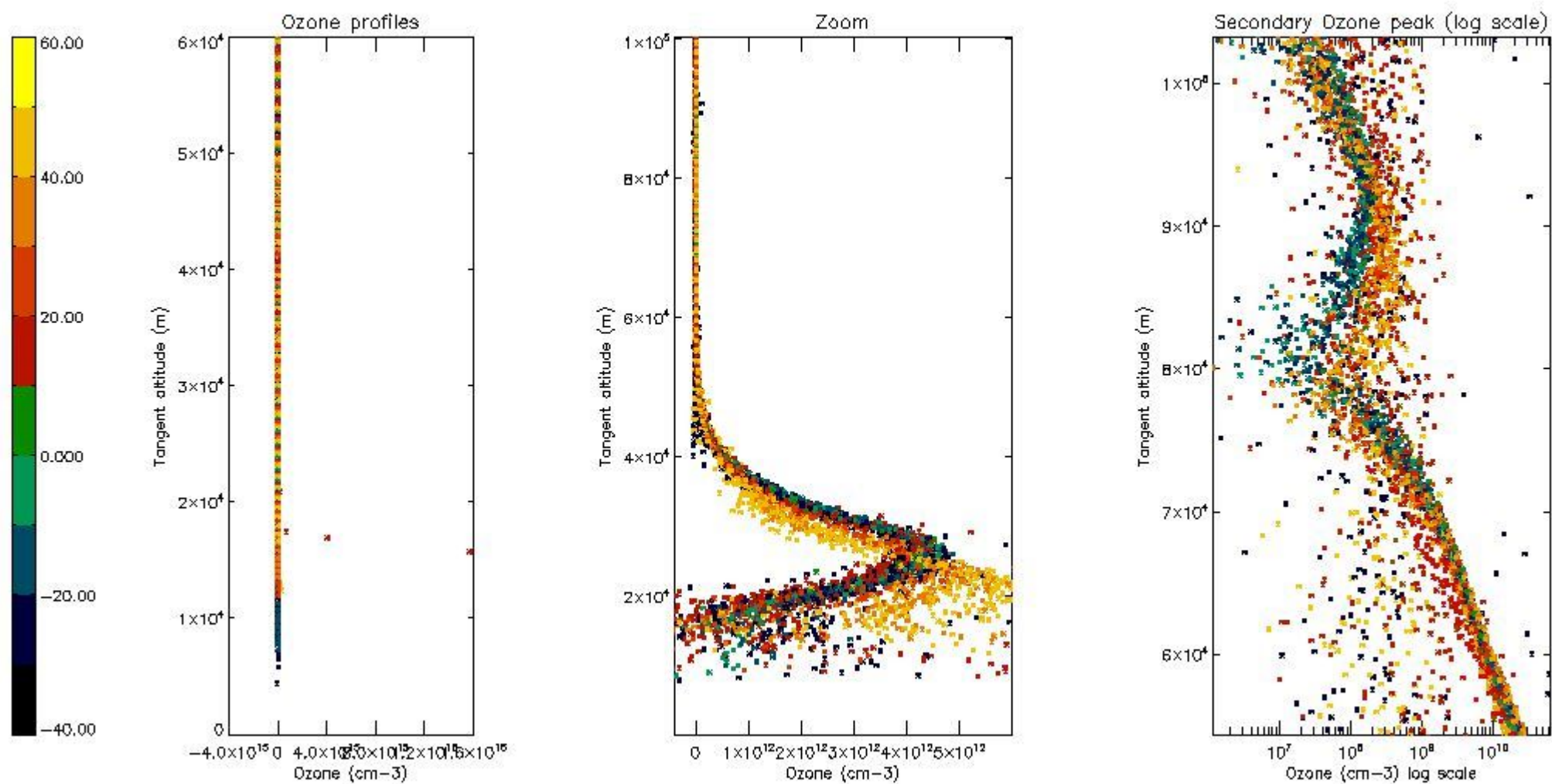
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	37
STD < 20	18

STD < 10	14
STD < 5	9

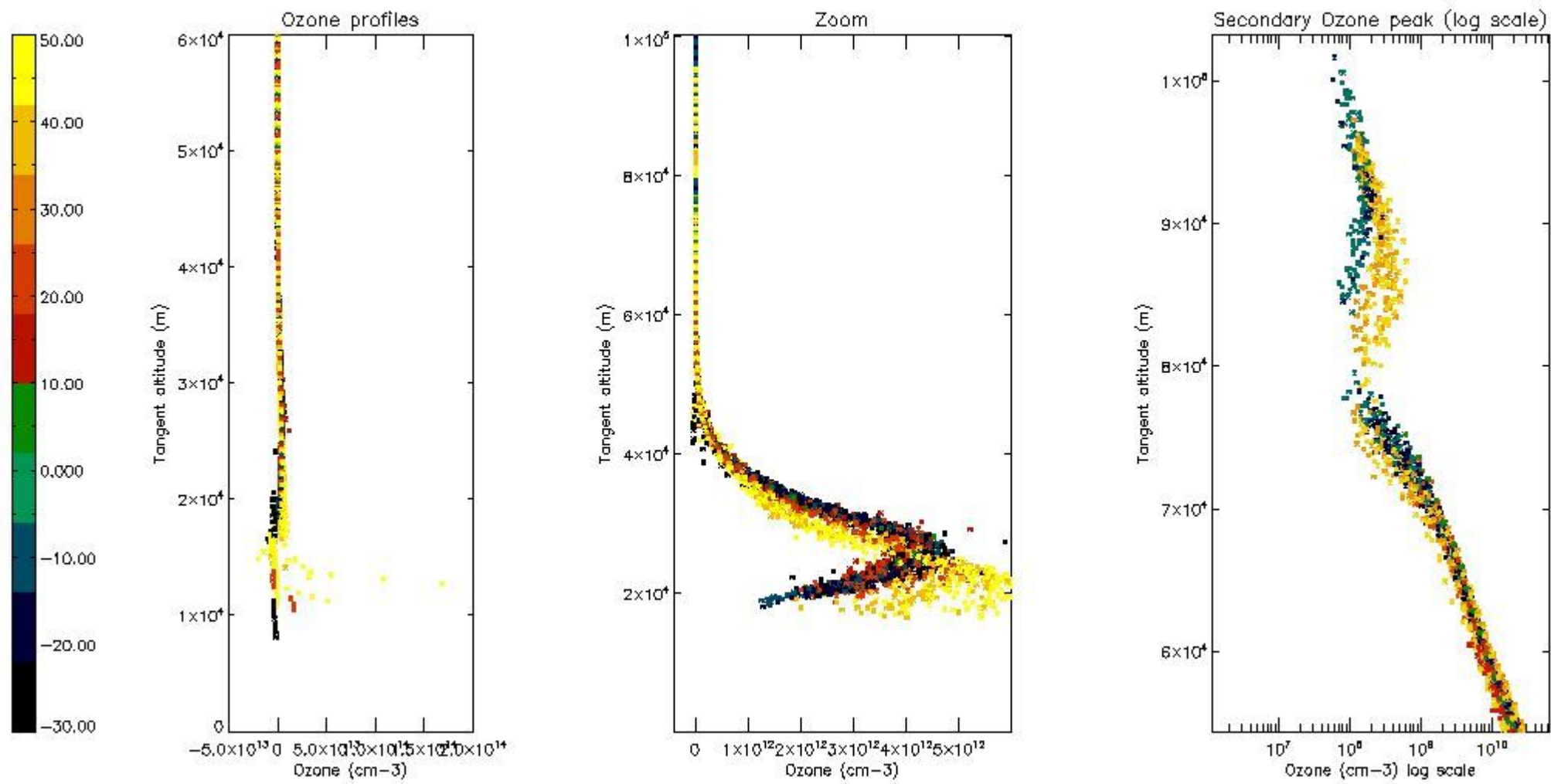
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



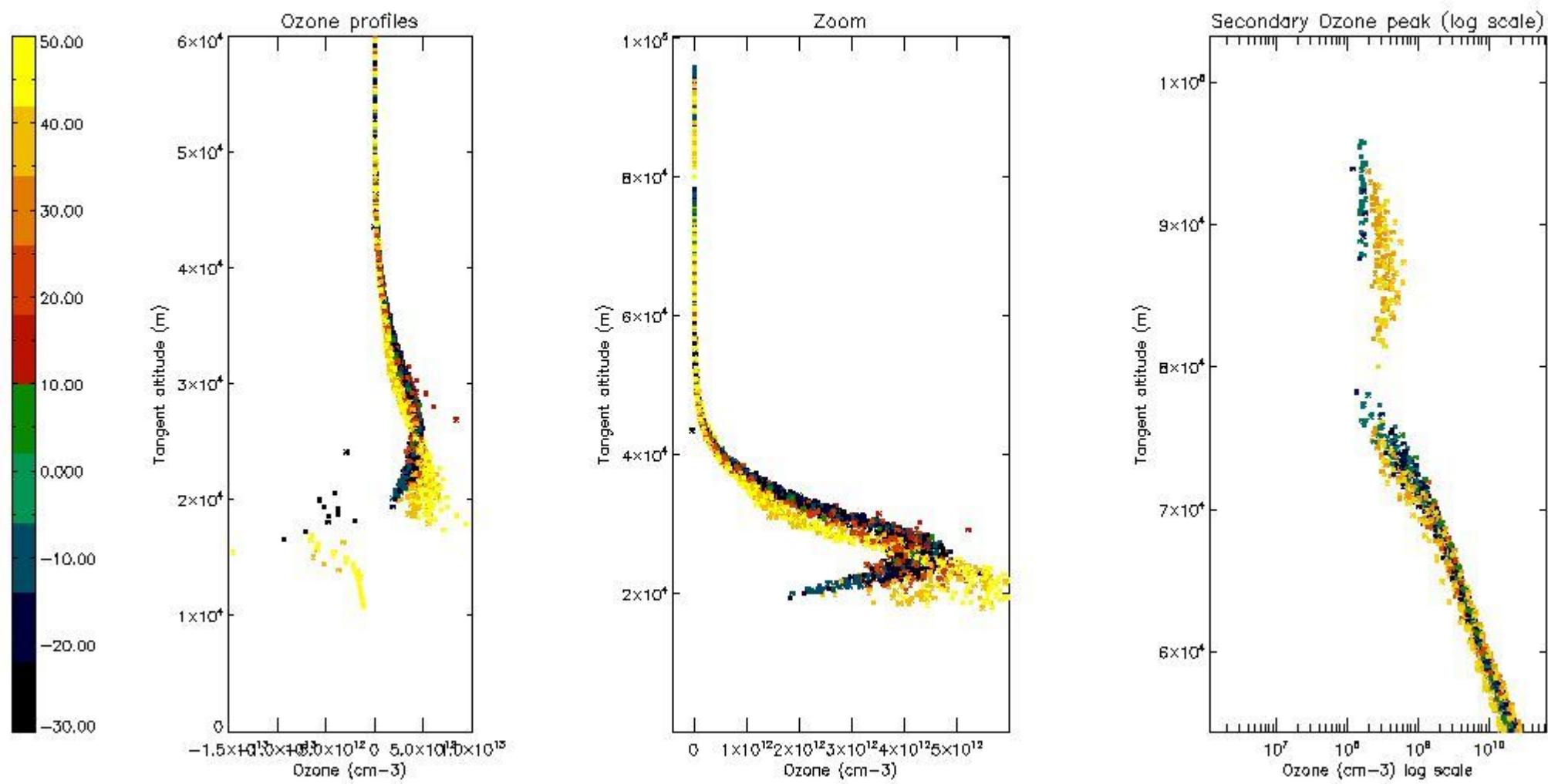
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



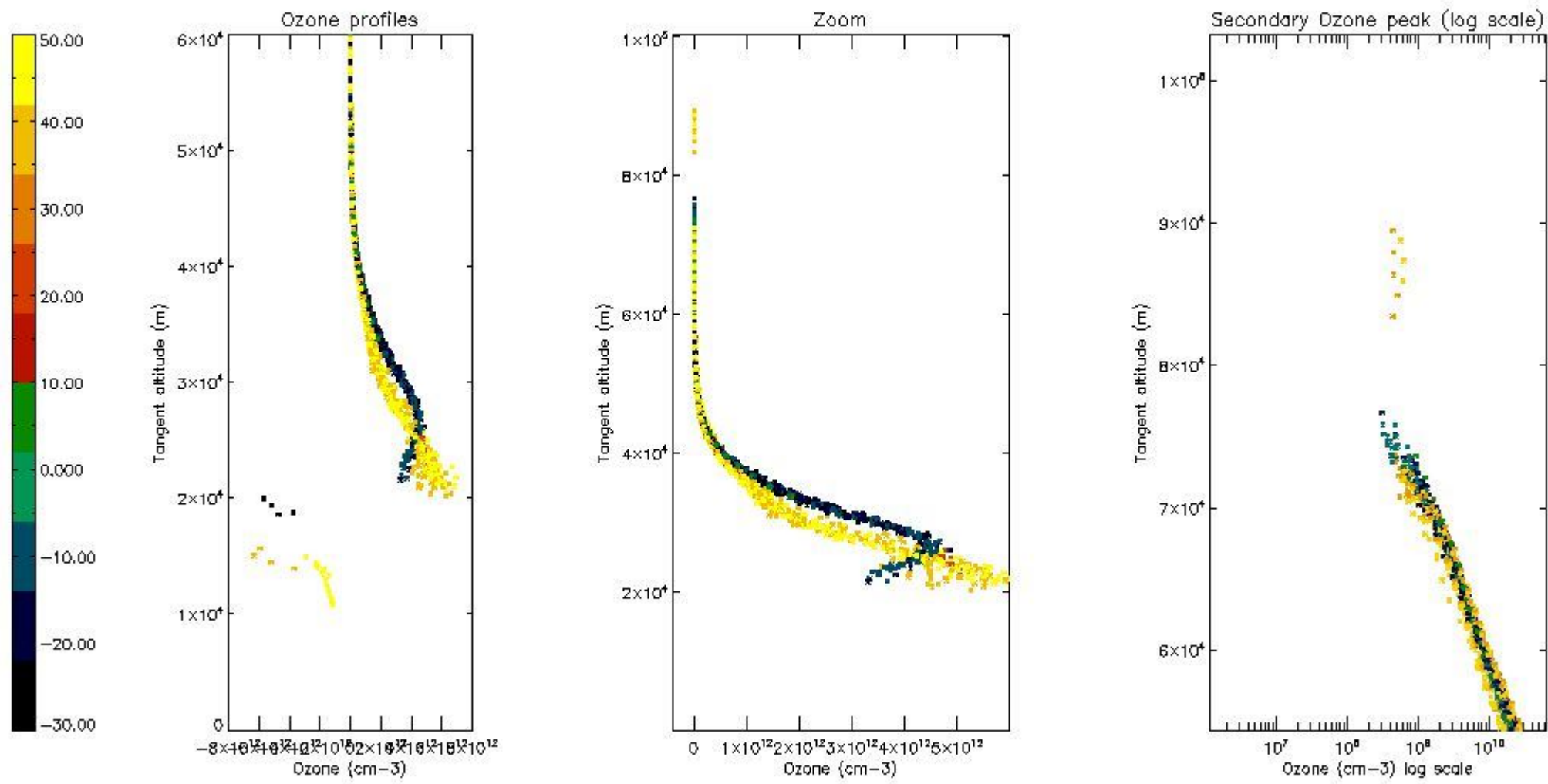
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



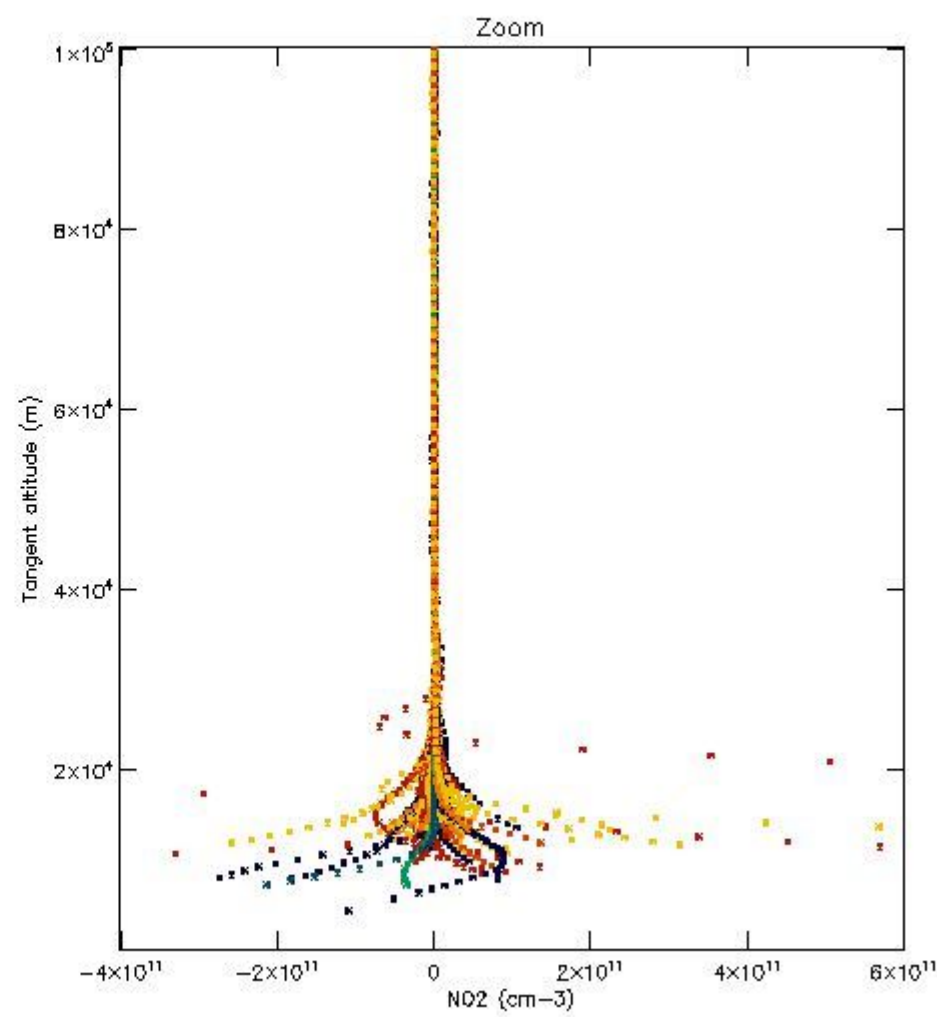
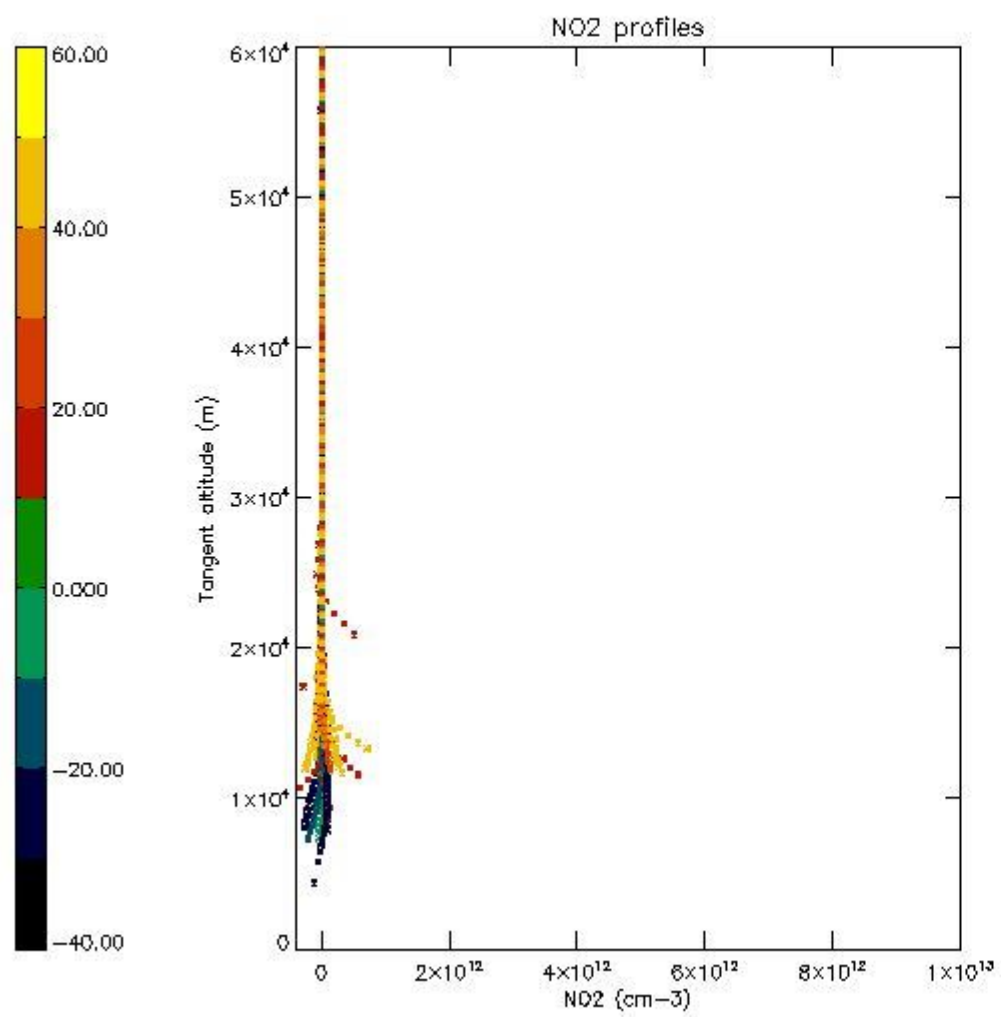
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



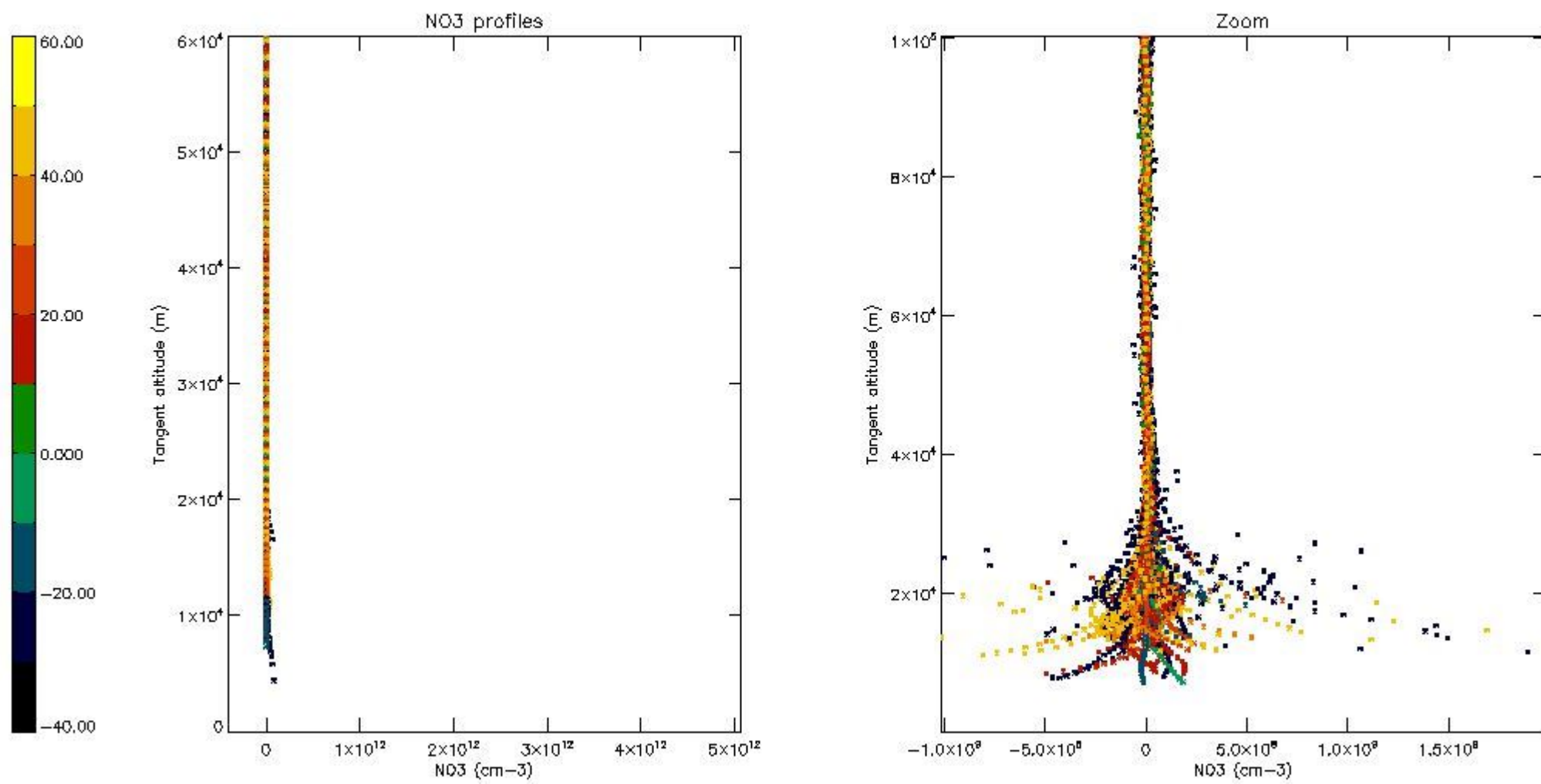
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



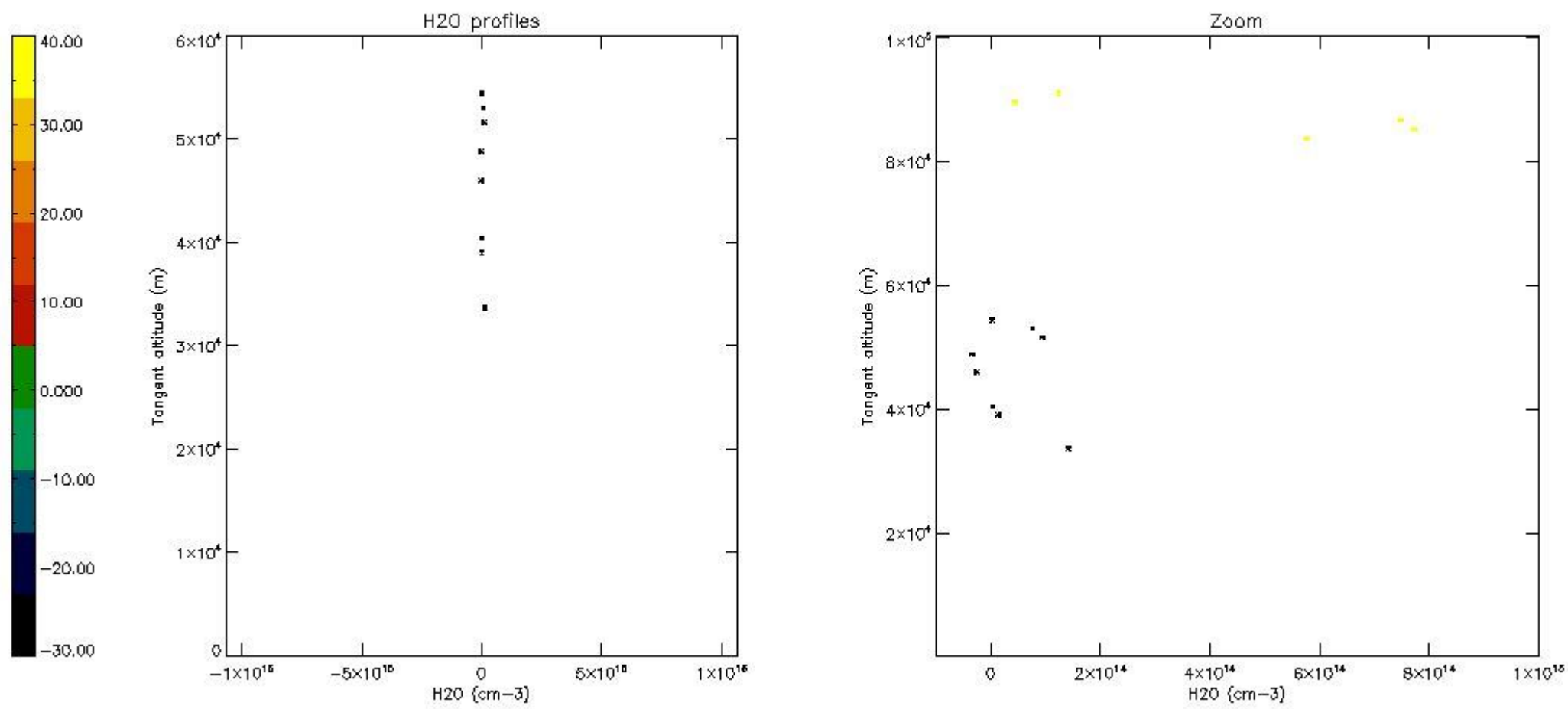
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

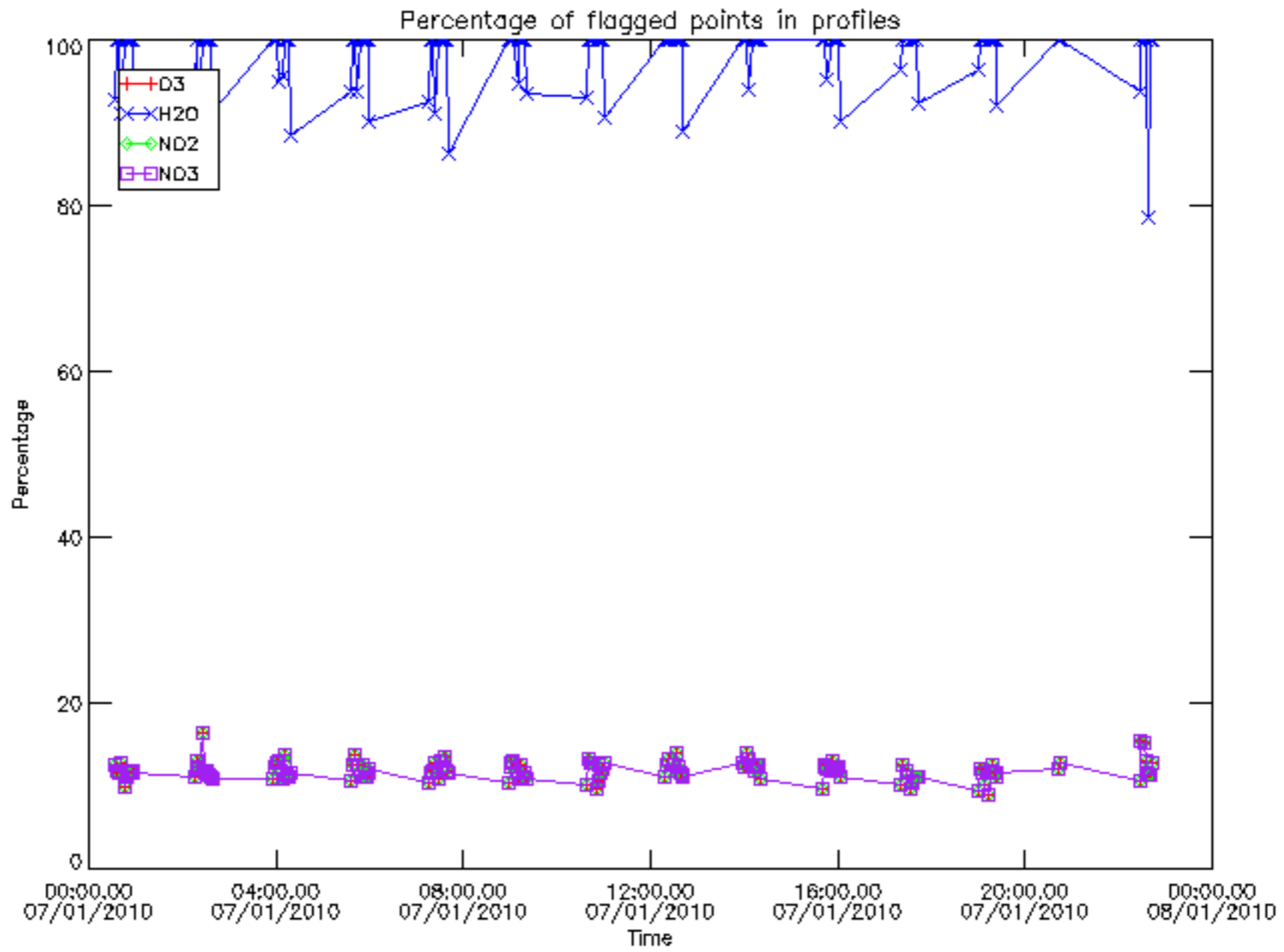
The colorbar represents the latitude.



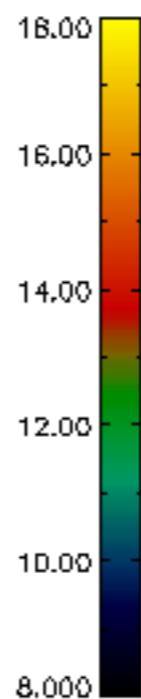
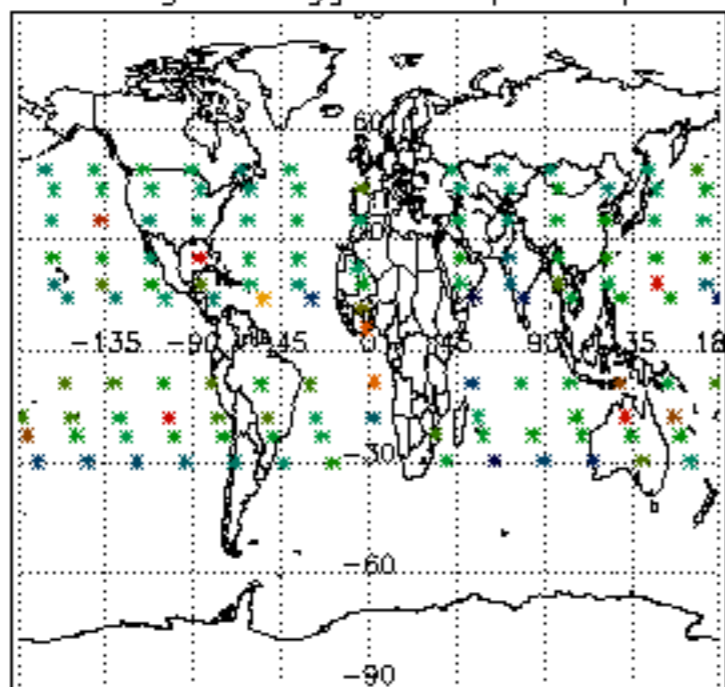
6. Auxiliary Data Files used for the production reported in section 2

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.

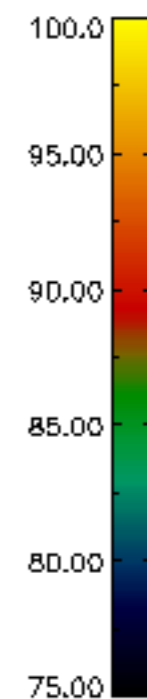
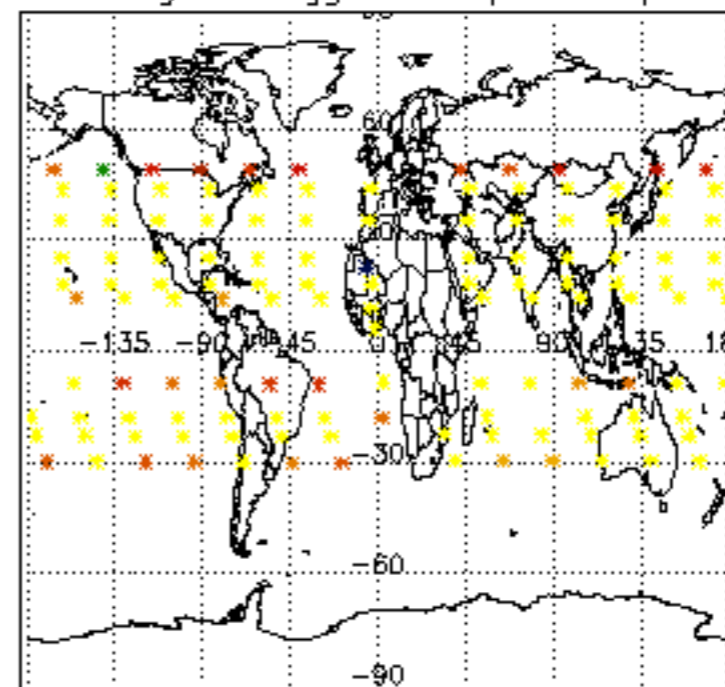
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	07-JAN-2010 00:02:17
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	07-JAN-2010 00:02:17
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	07-JAN-2010 00:02:17



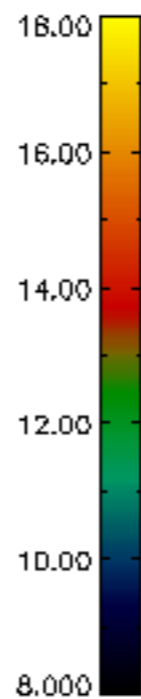
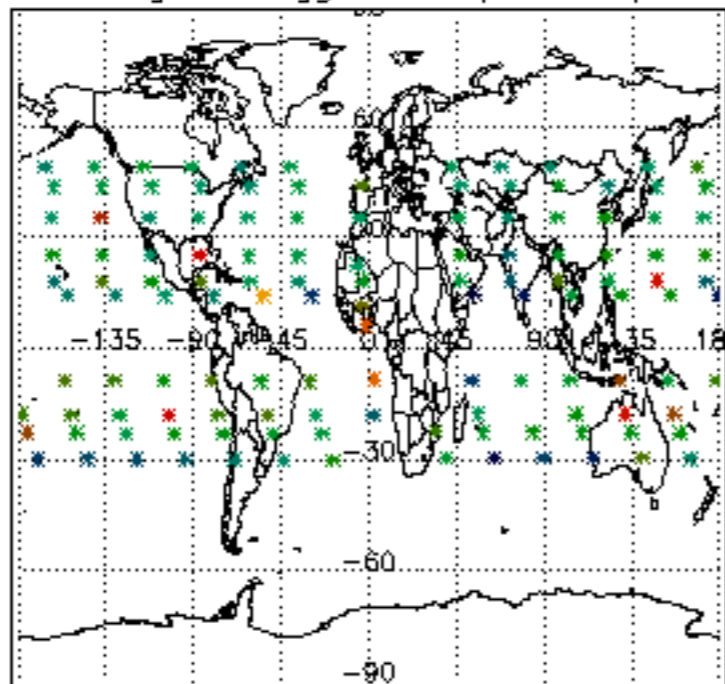
Percentage of flagged data per D3 profile



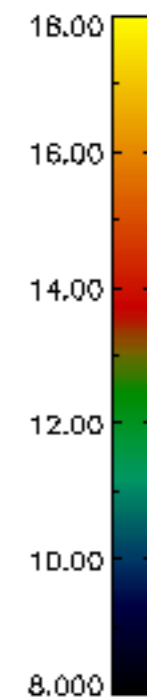
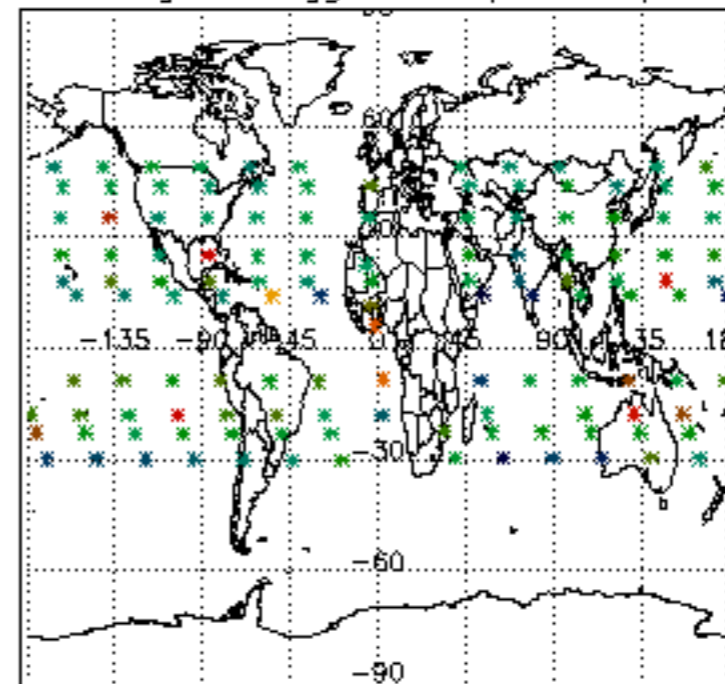
Percentage of flagged data per H2O profile

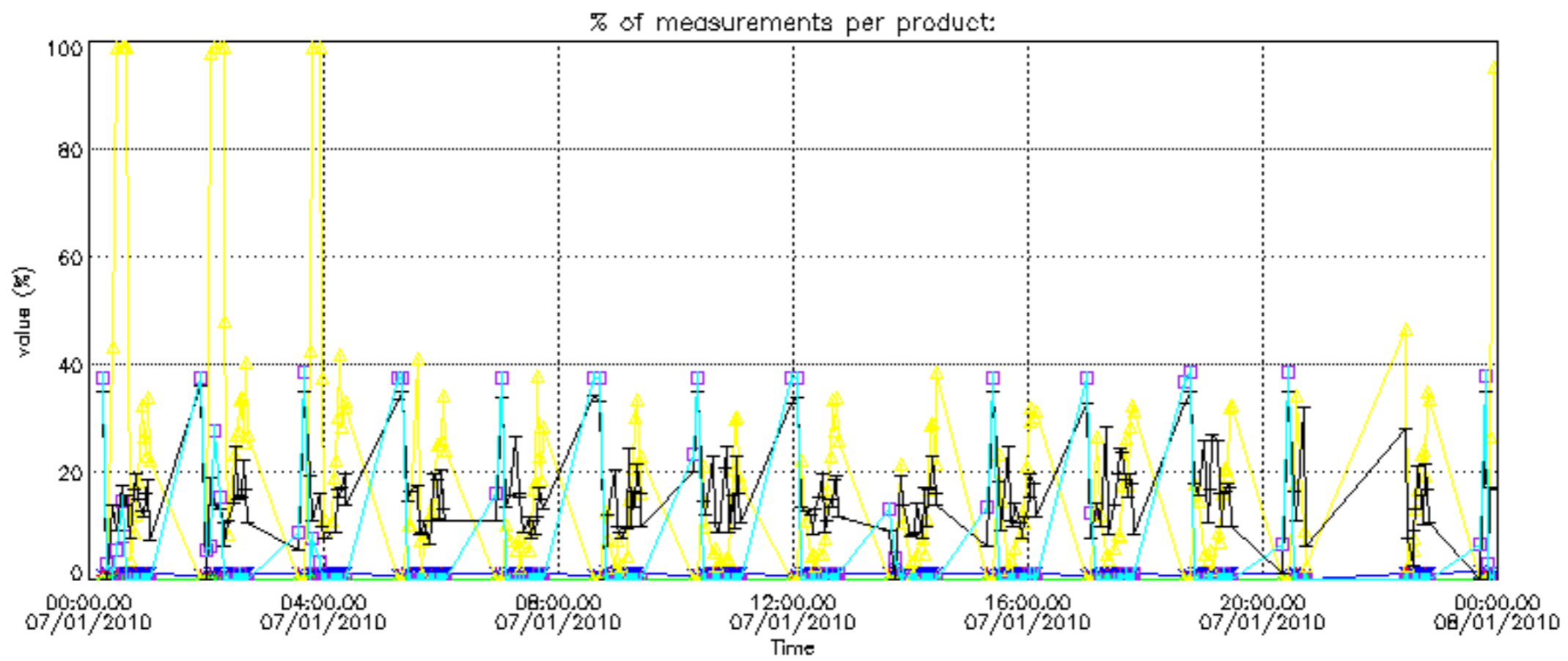
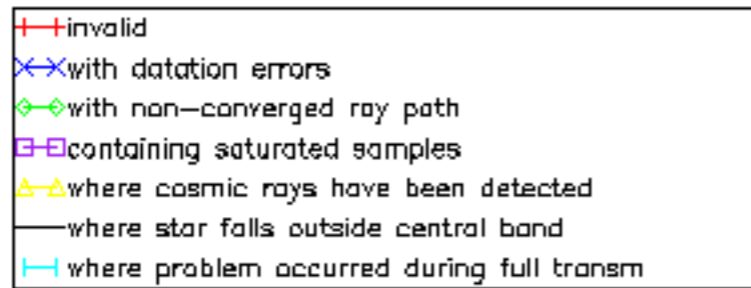


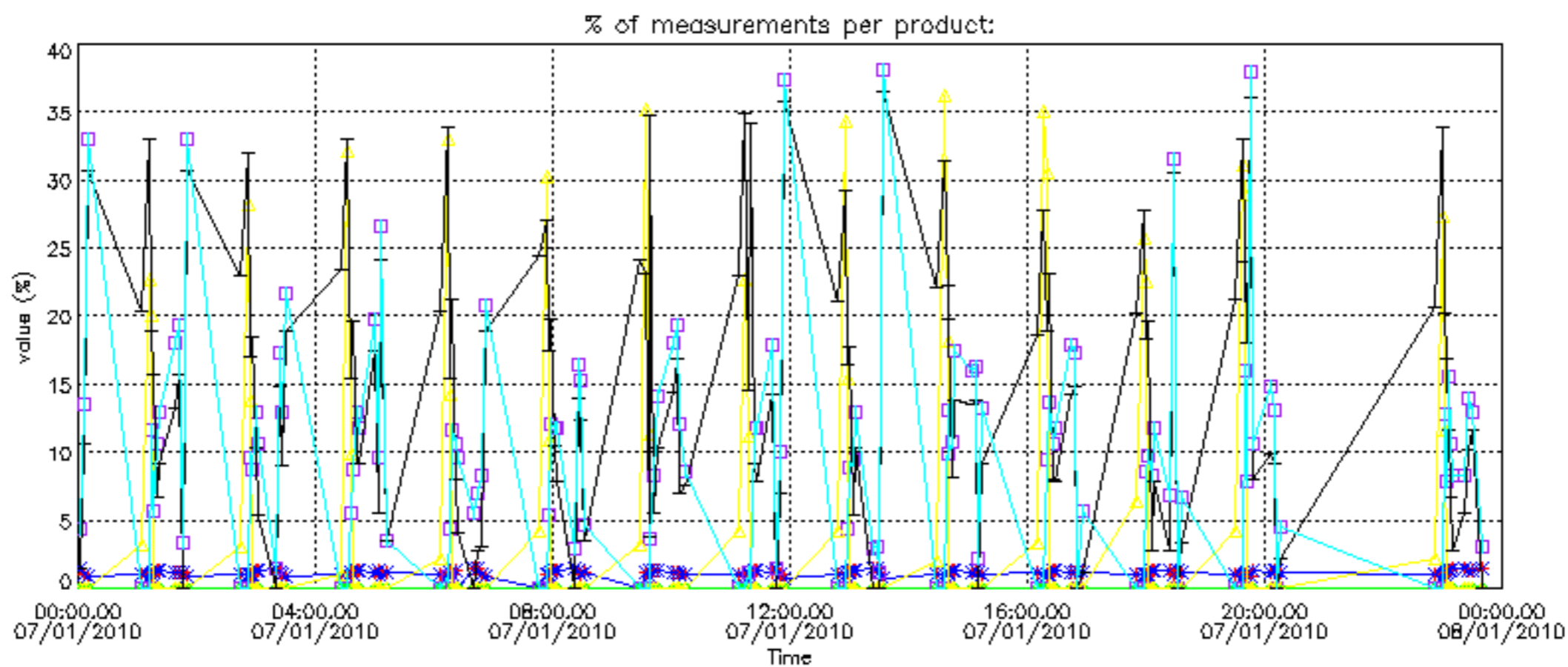
Percentage of flagged data per NO2 profile



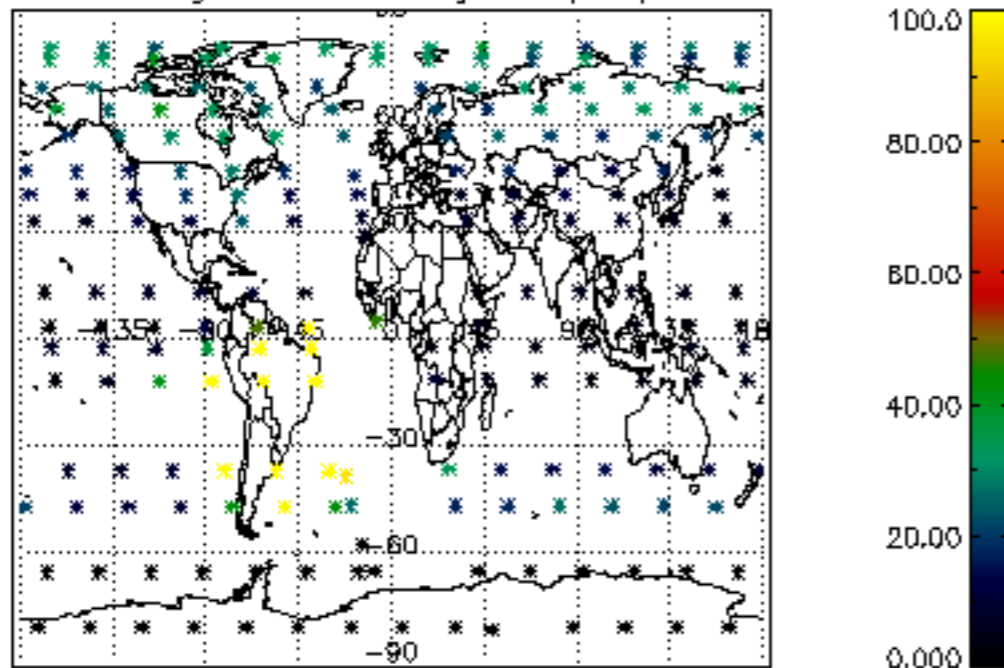
Percentage of flagged data per NO3 profile



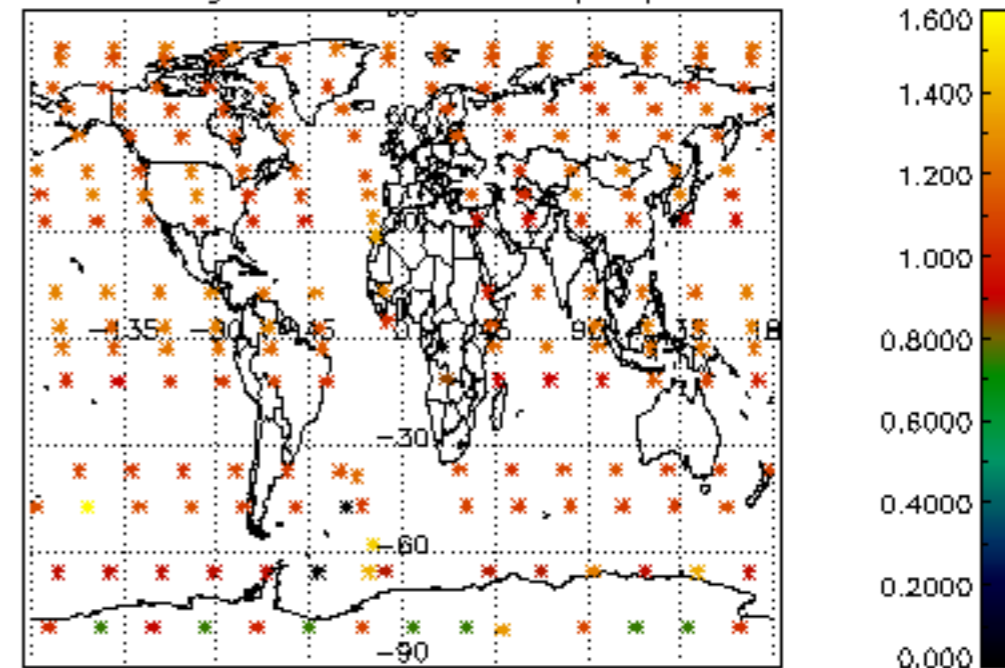




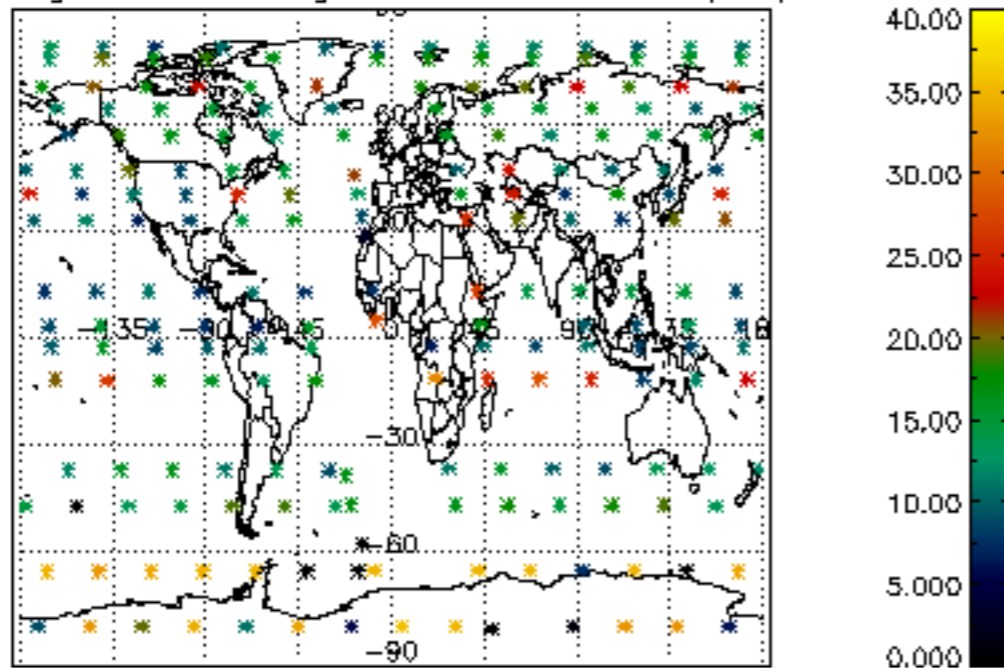
Percentage of cosmic ray hits per profile



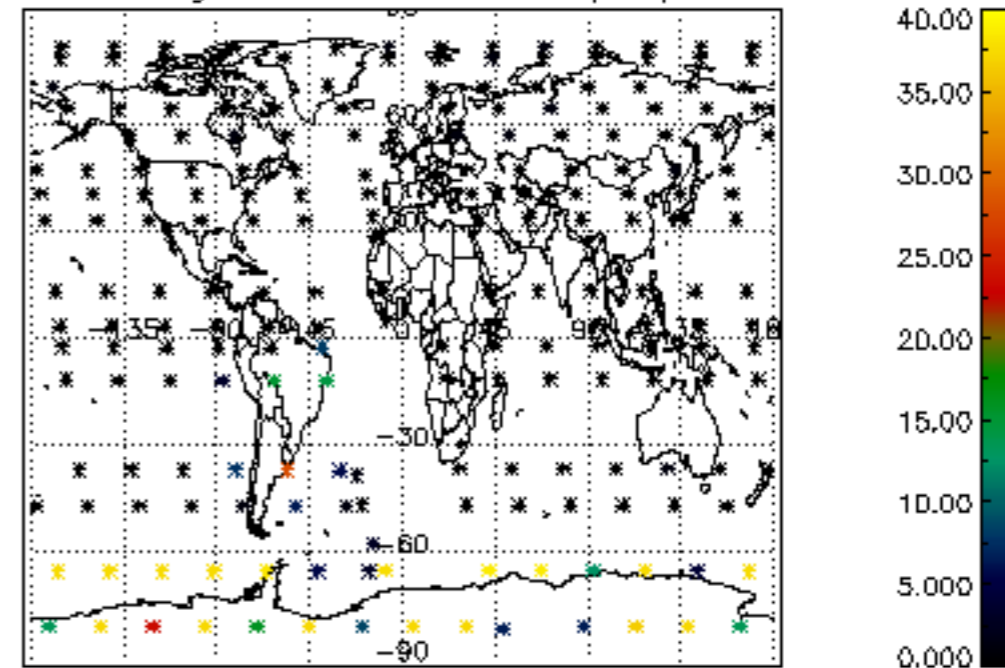
Percentage of datation errors per profile



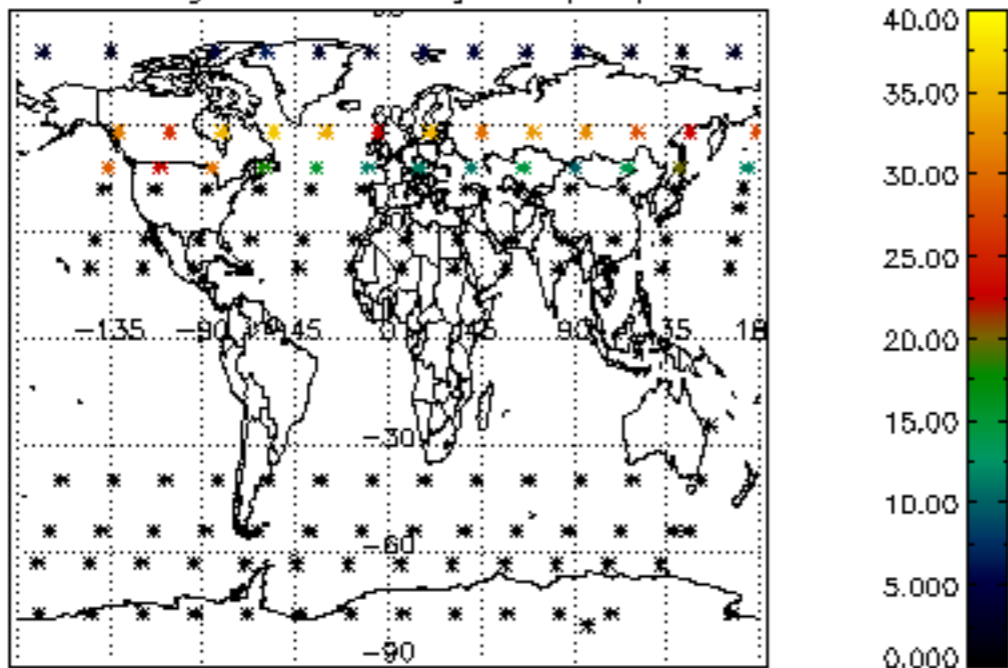
Percentage of star falling outside central band per profile



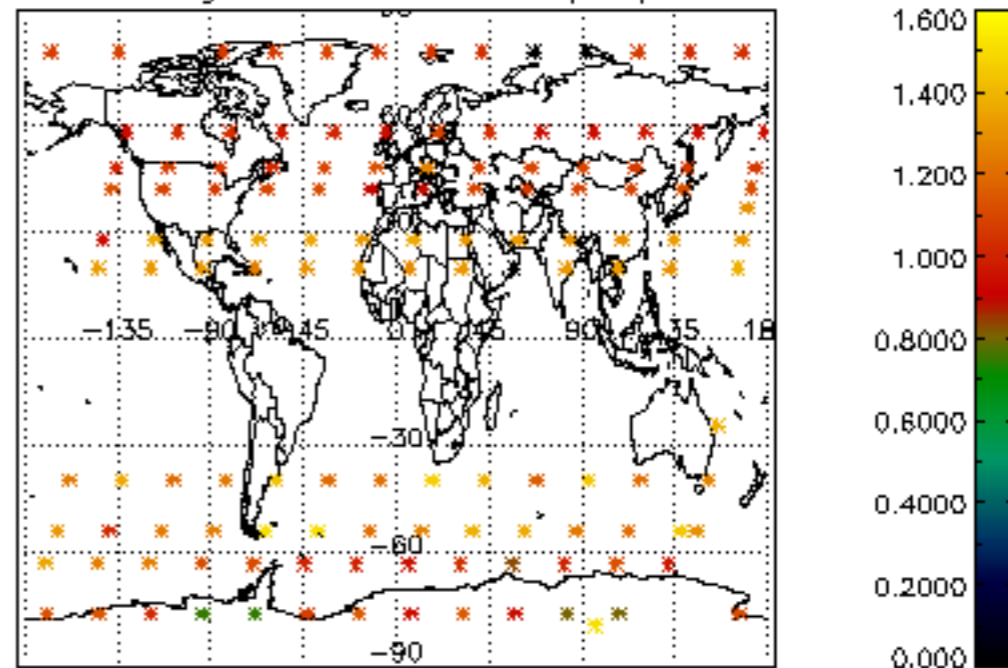
Percentage of saturation errors per profile



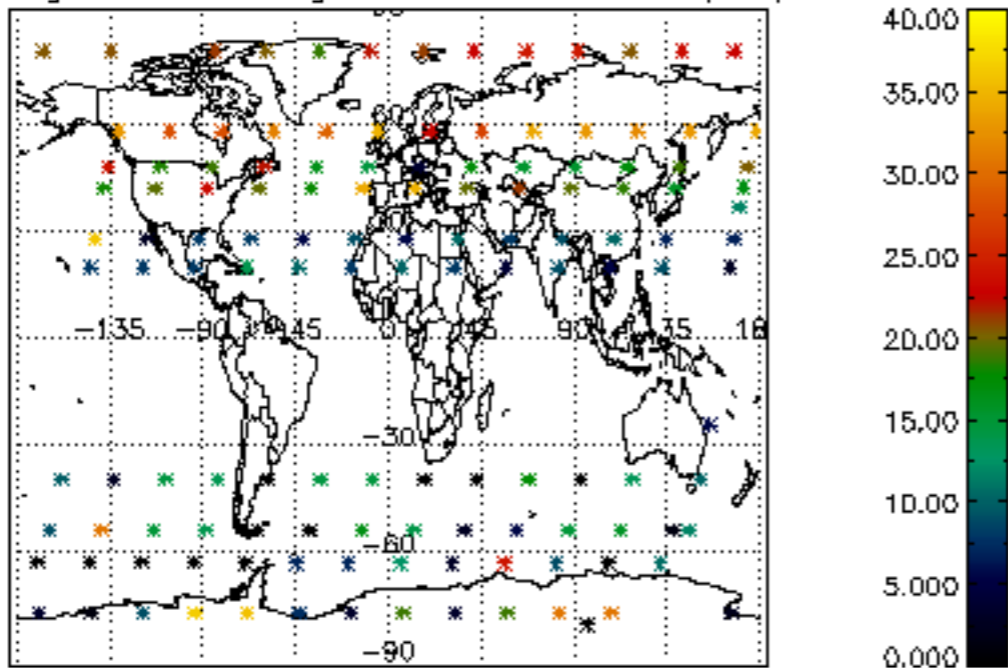
Percentage of cosmic ray hits per profile



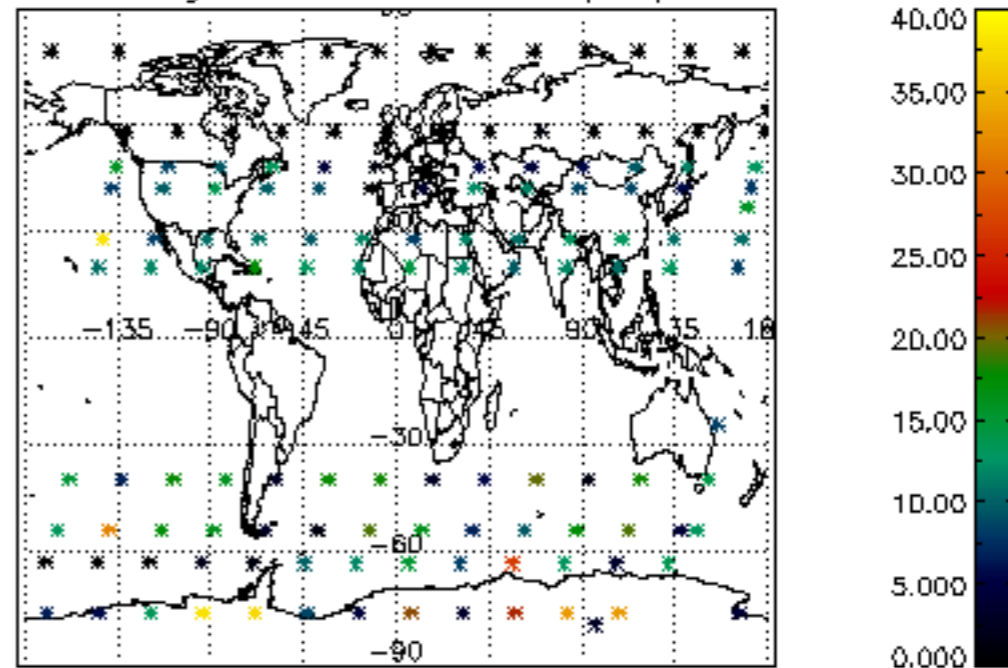
Percentage of datation errors per profile

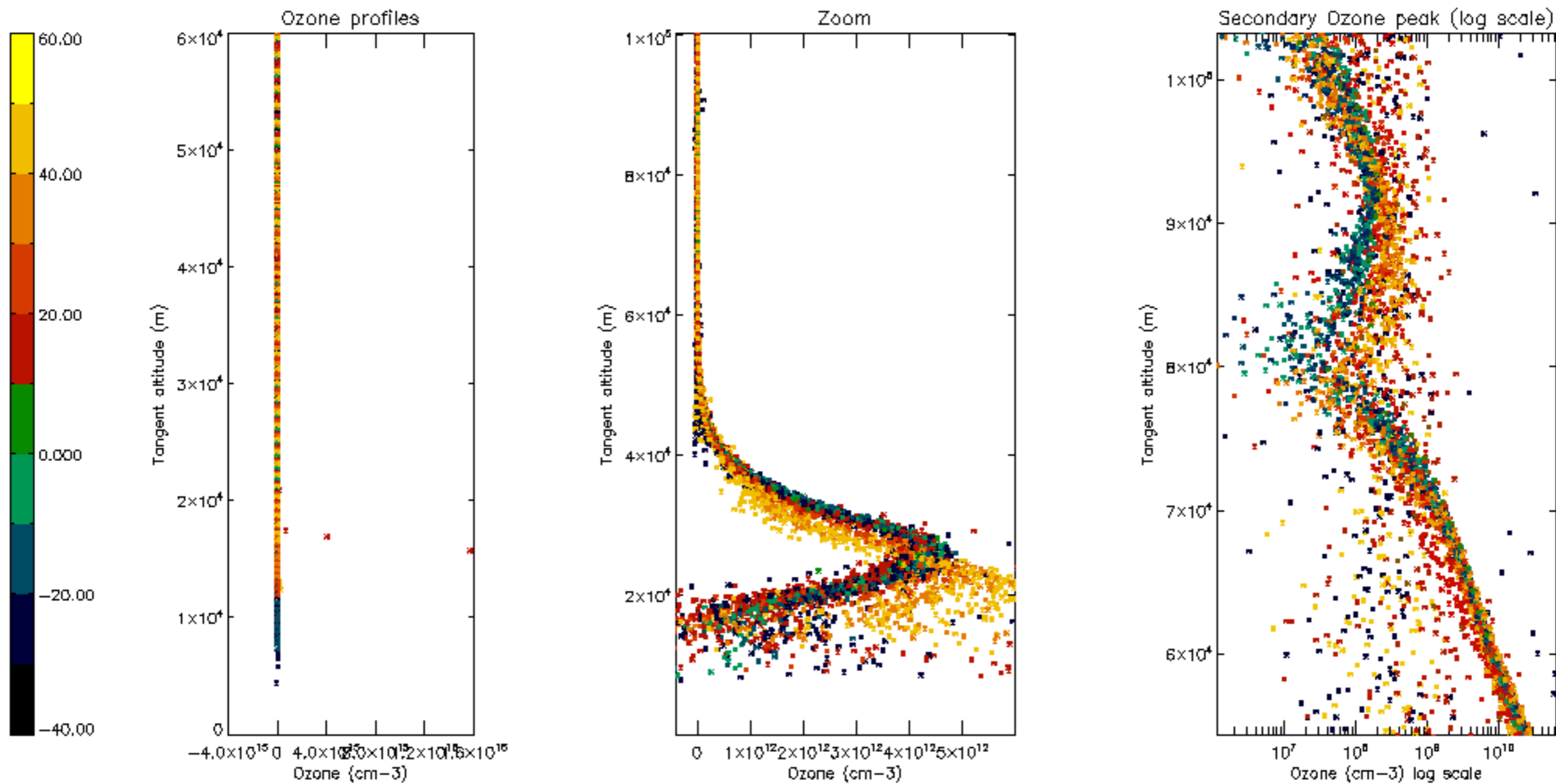


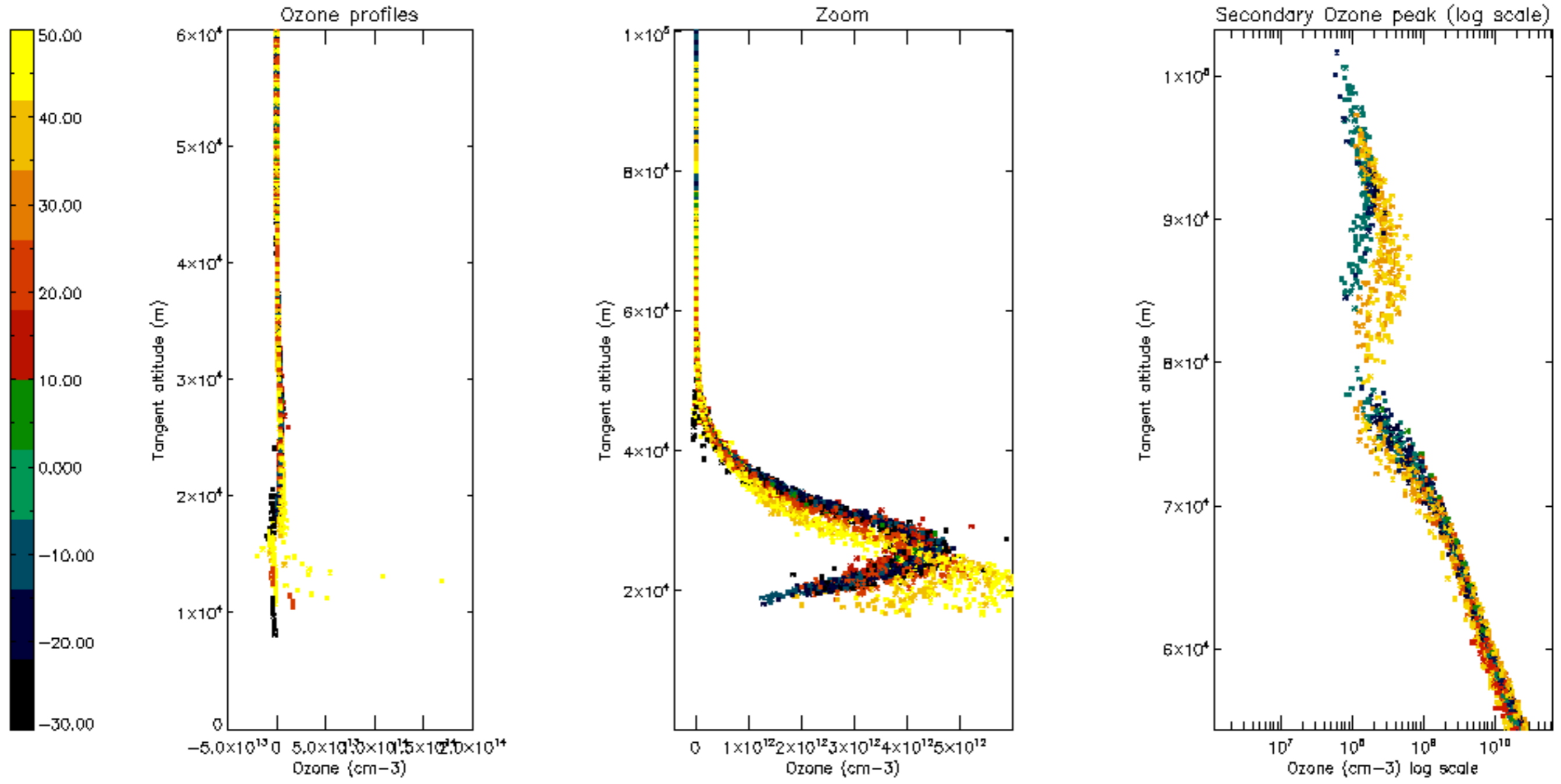
Percentage of star falling outside central band per profile

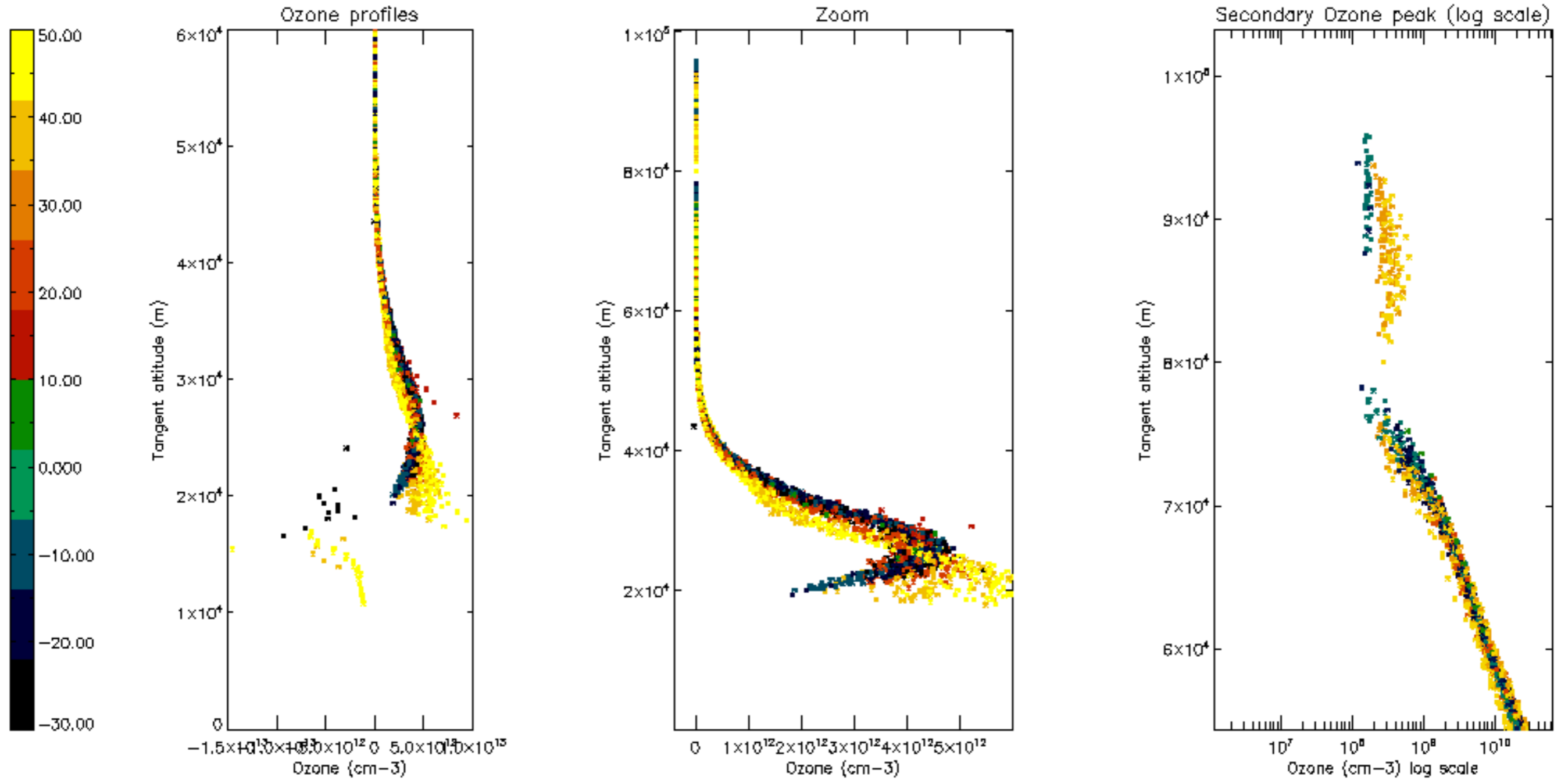


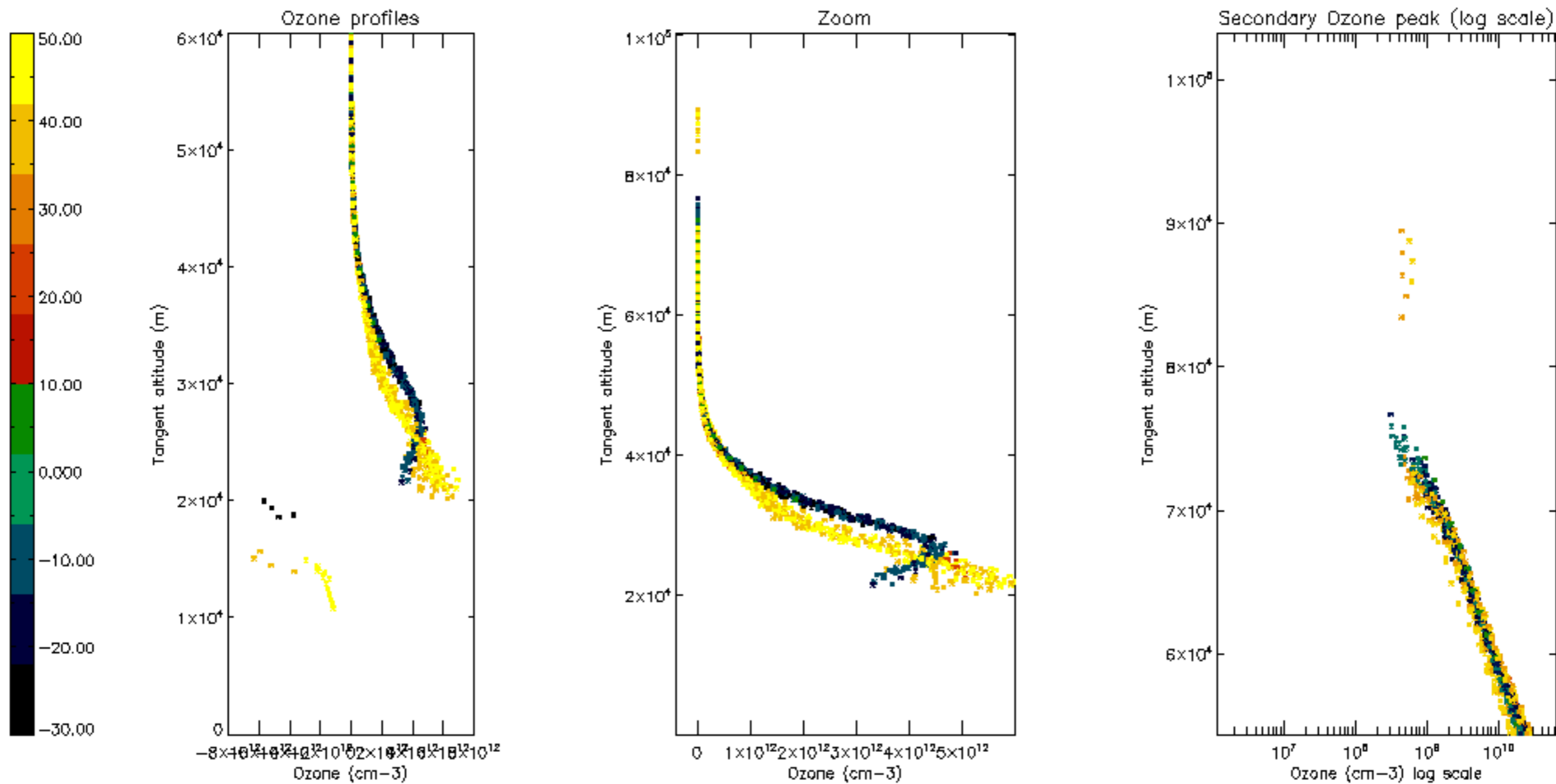
Percentage of saturation errors per profile

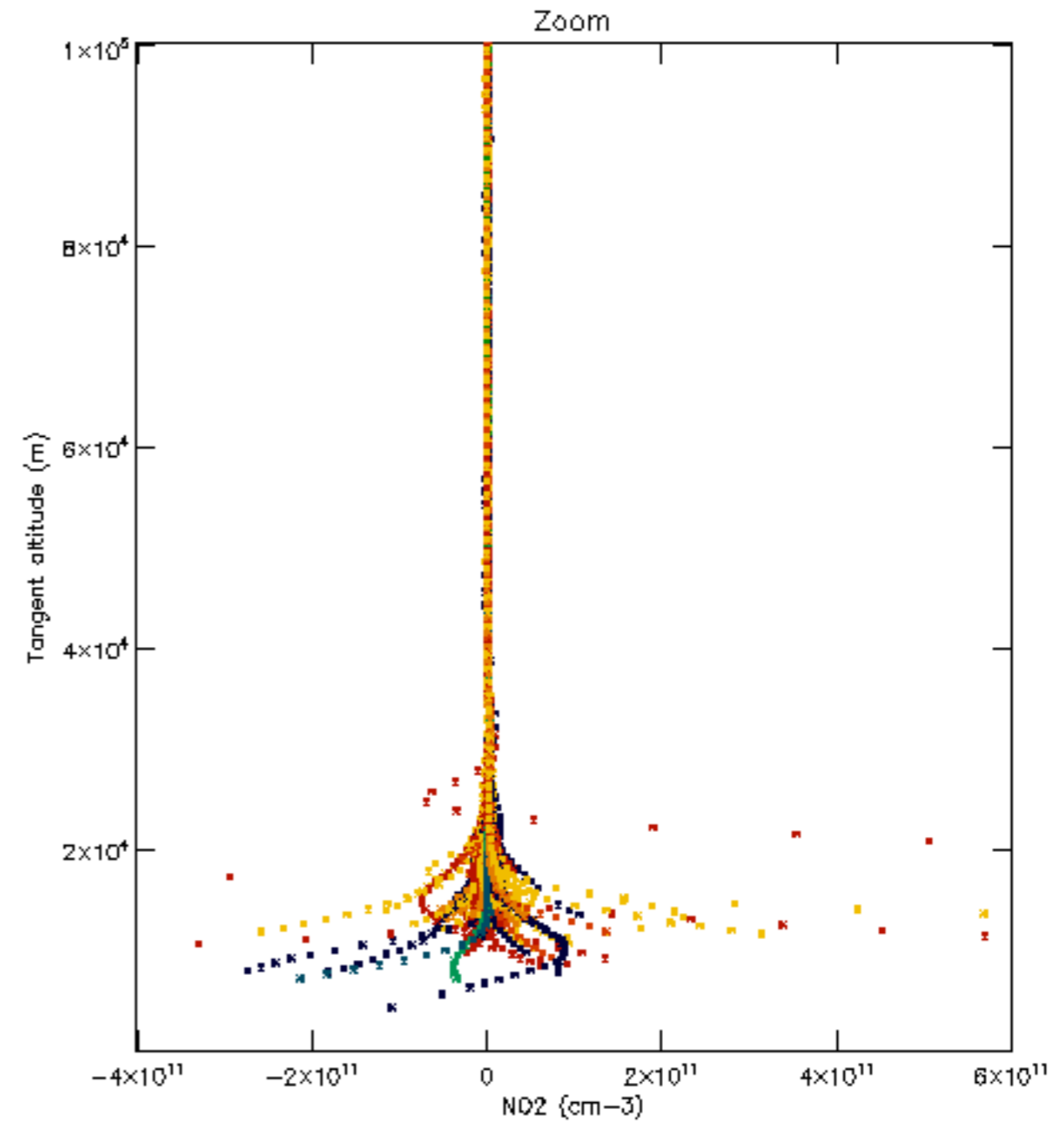
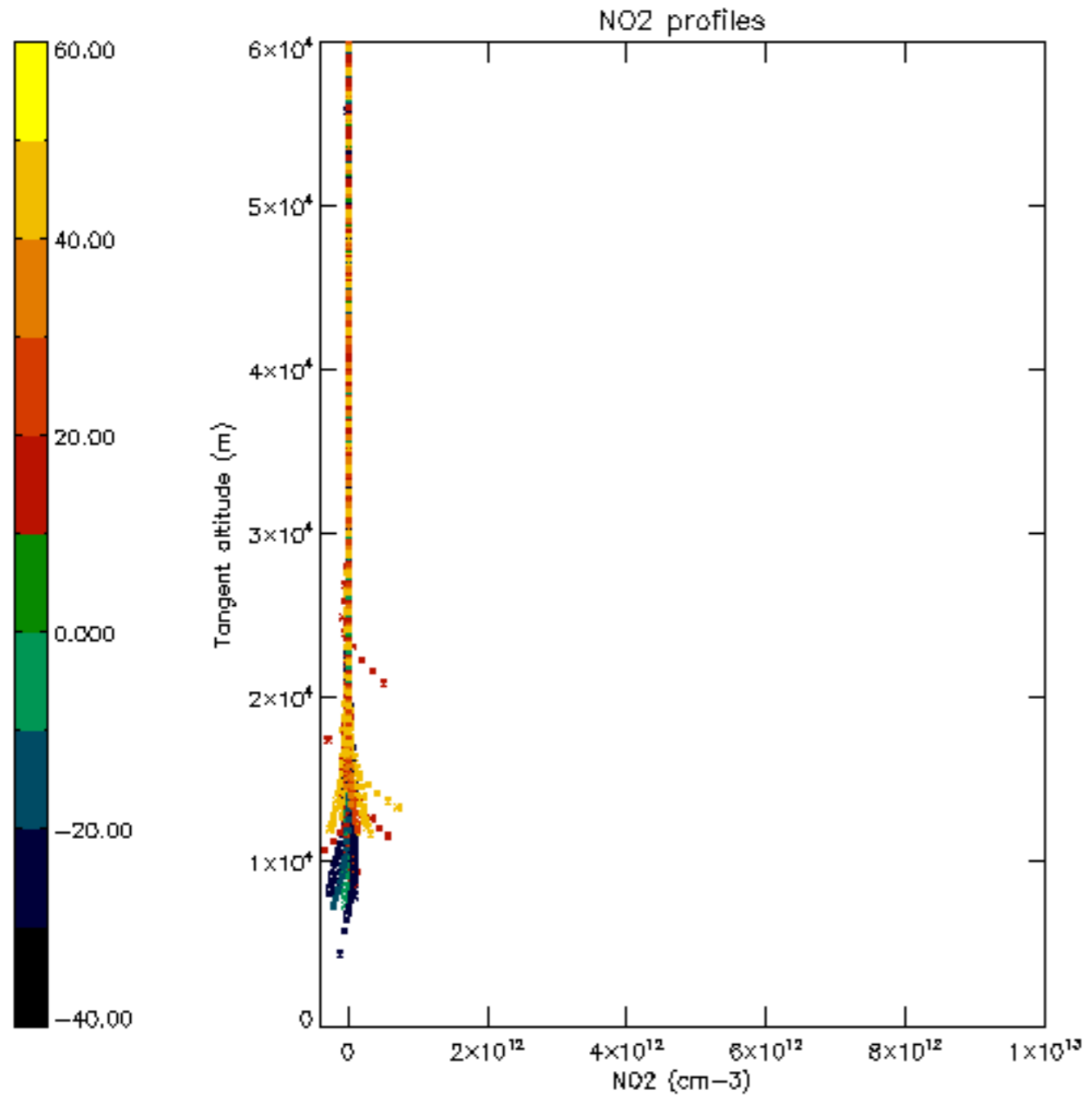


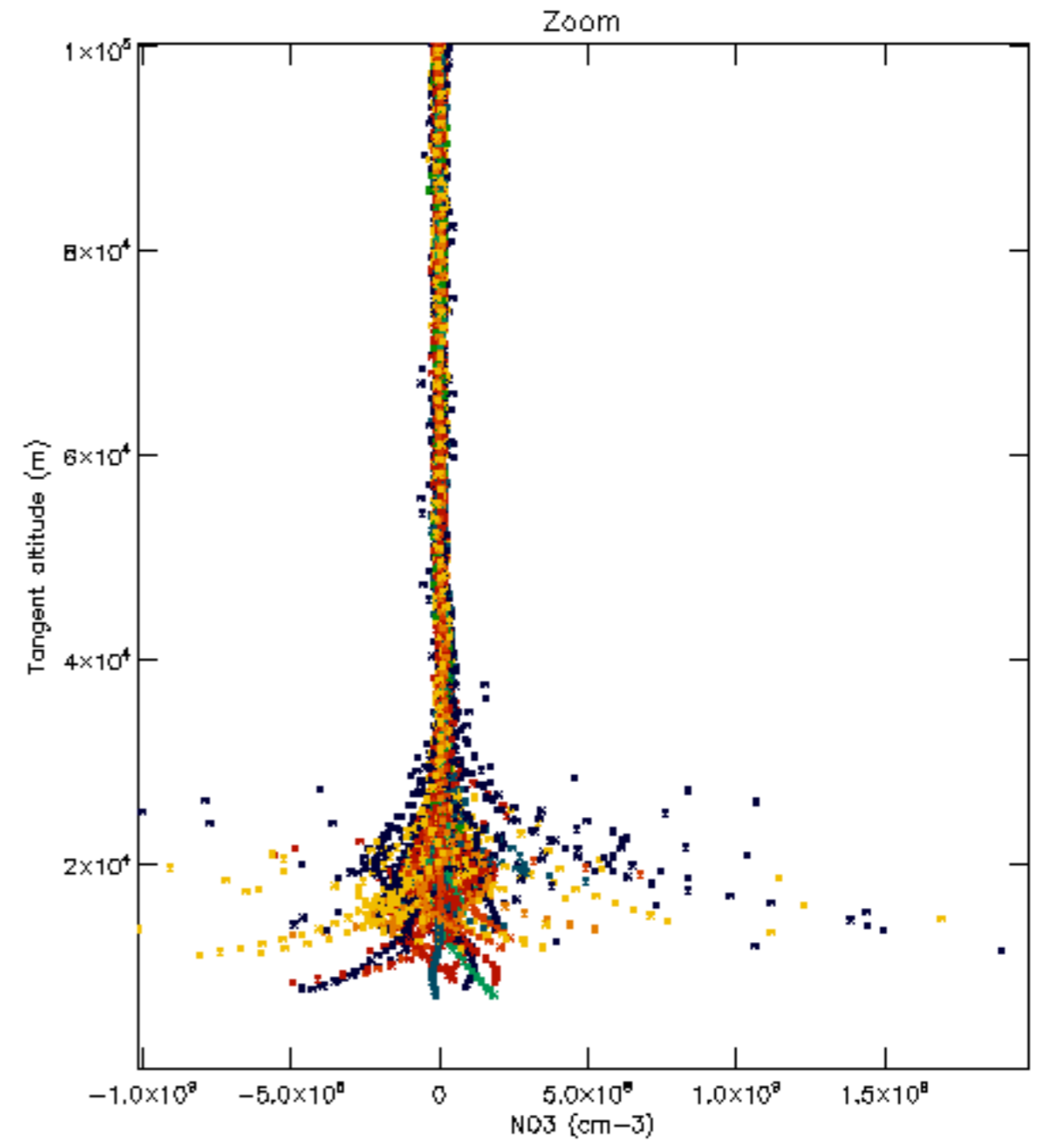
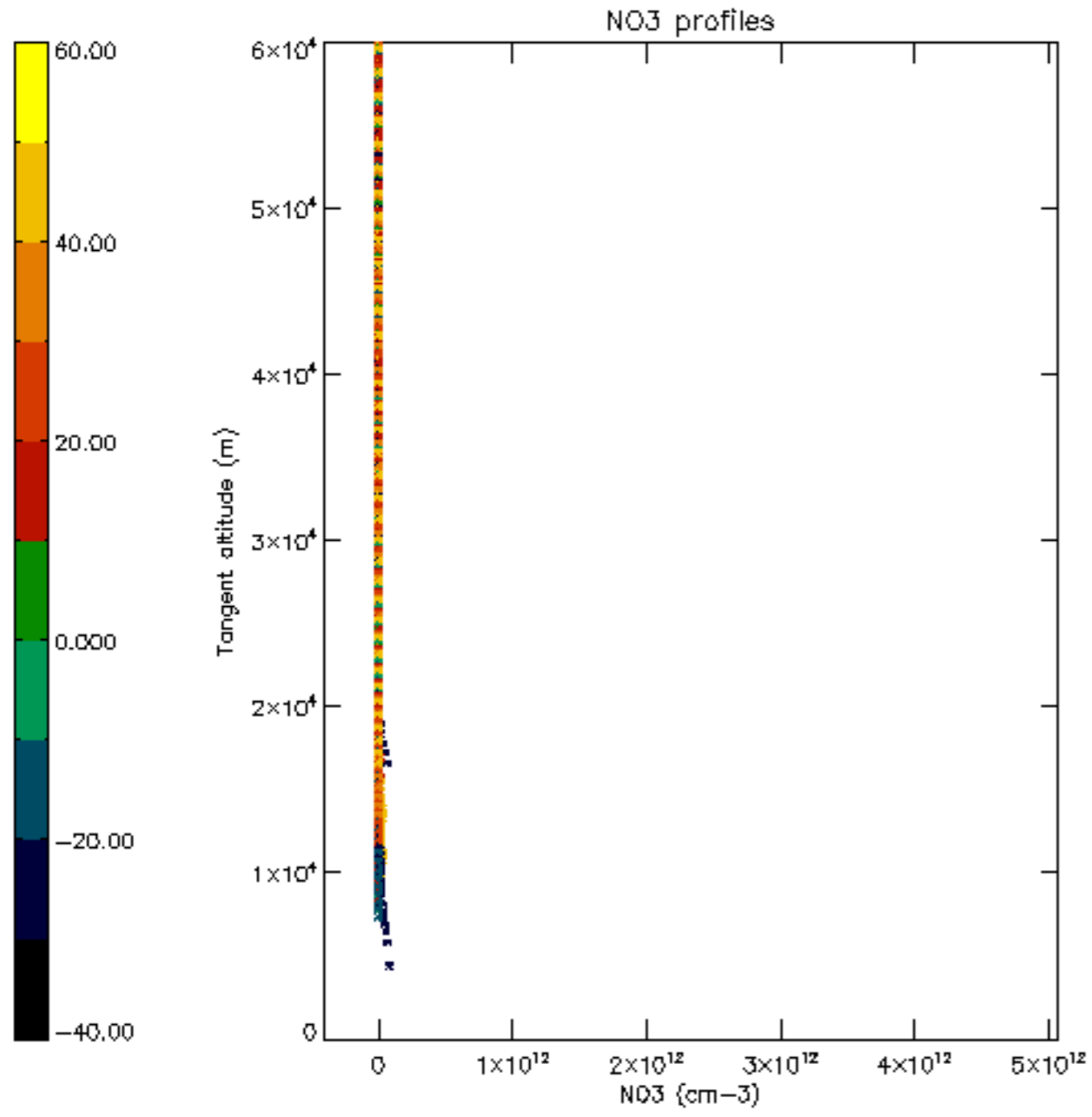


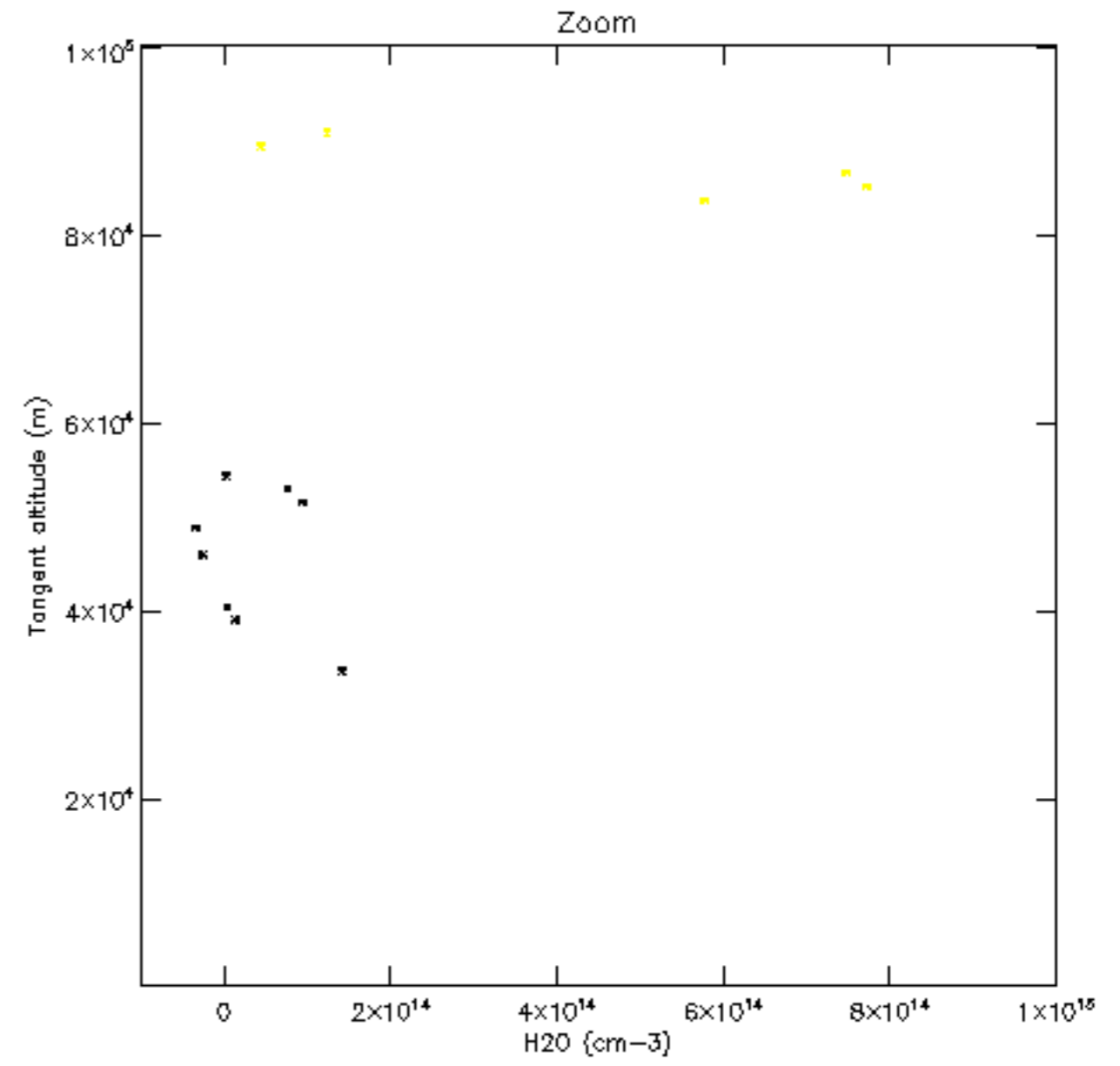
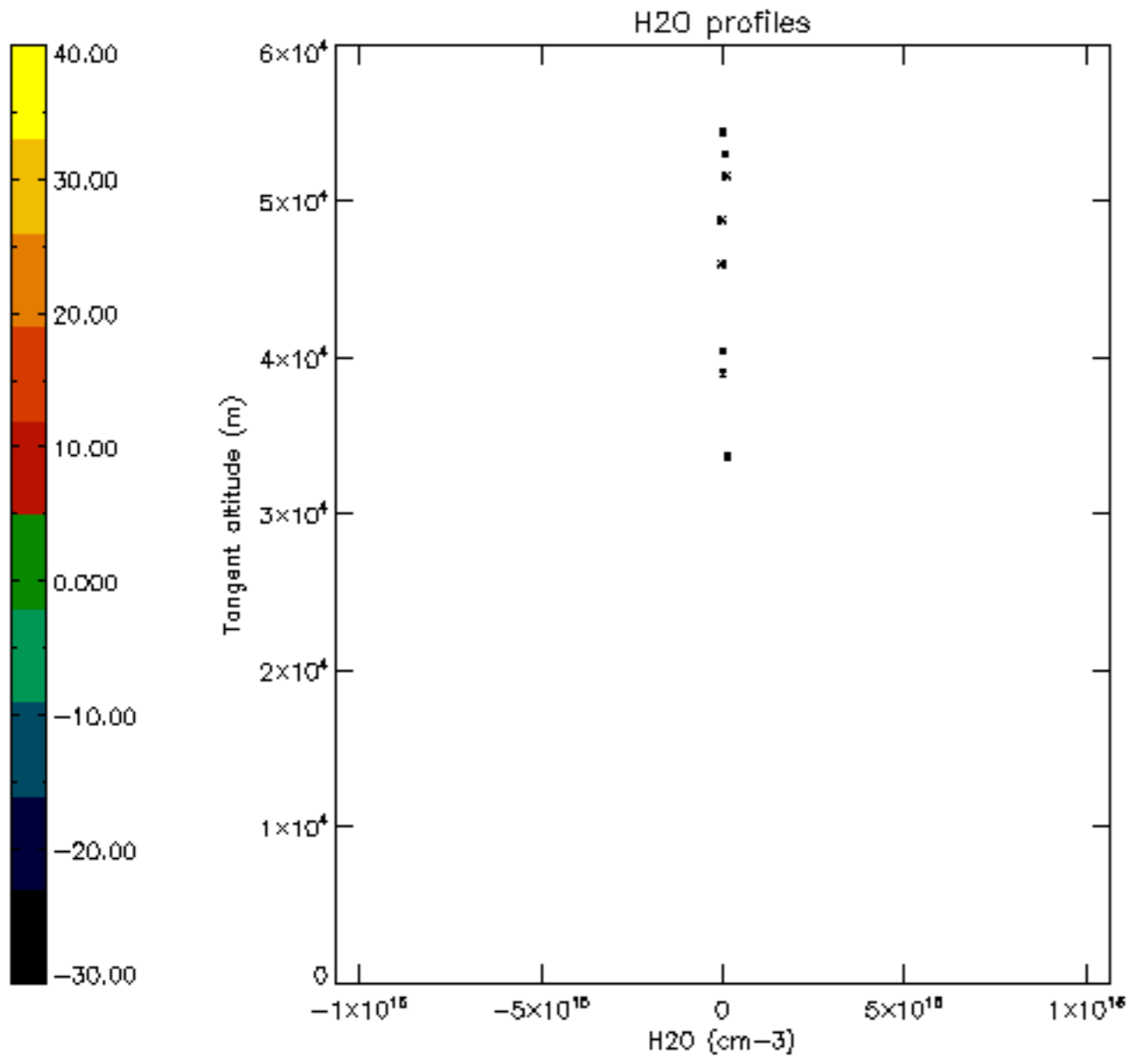


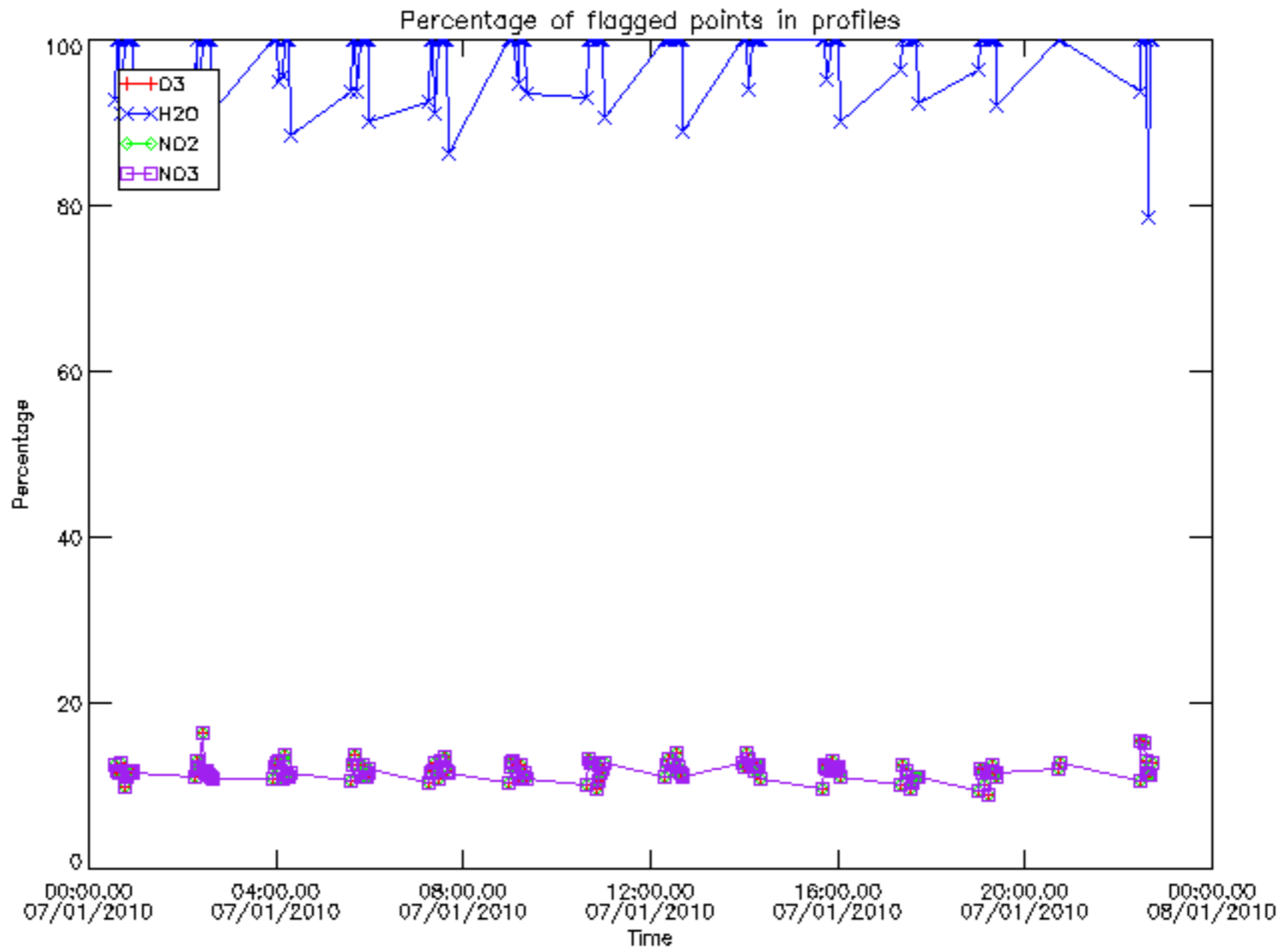




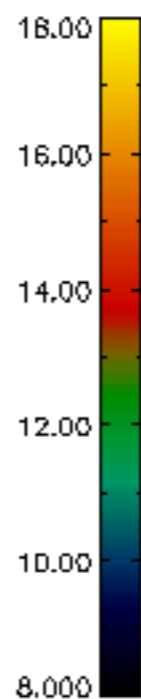
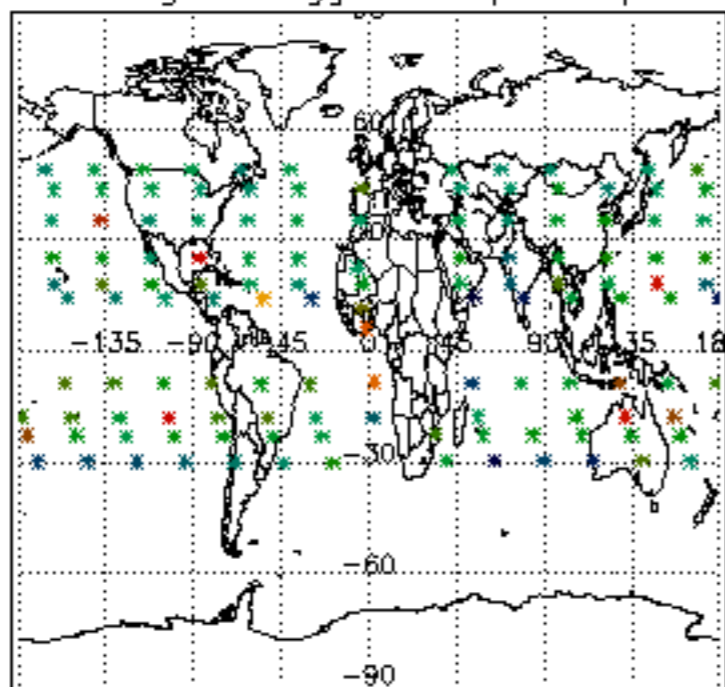




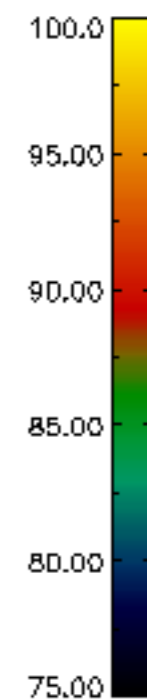
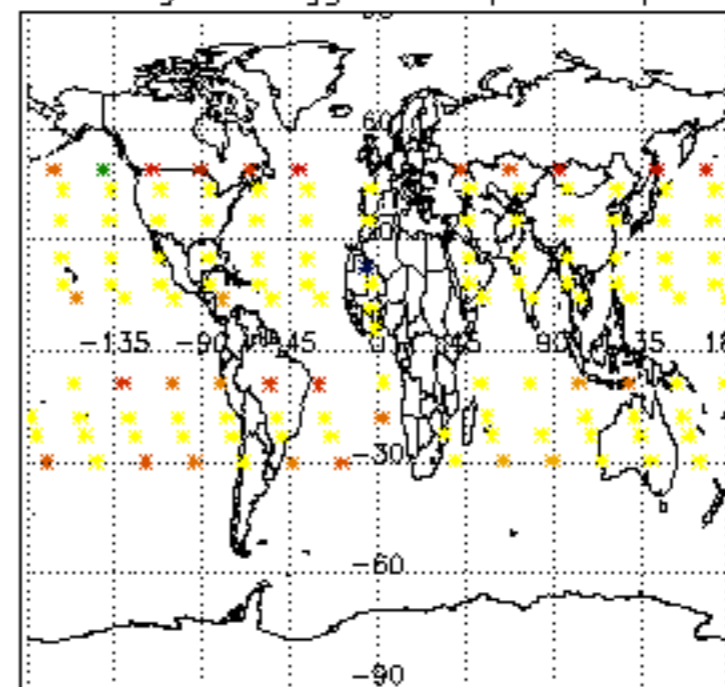




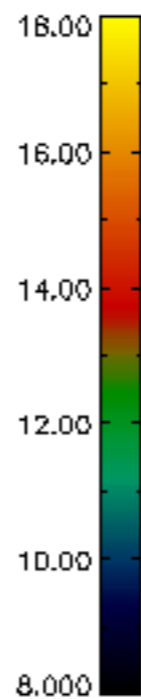
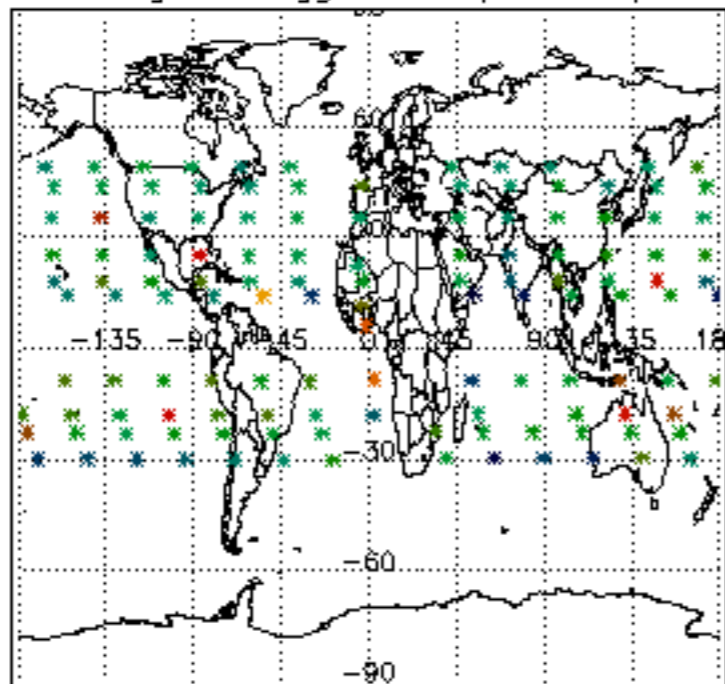
Percentage of flagged data per D3 profile



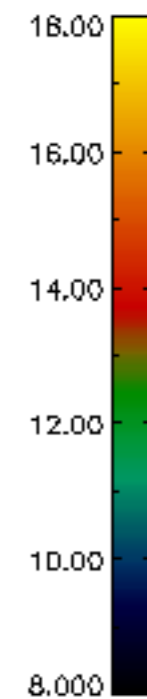
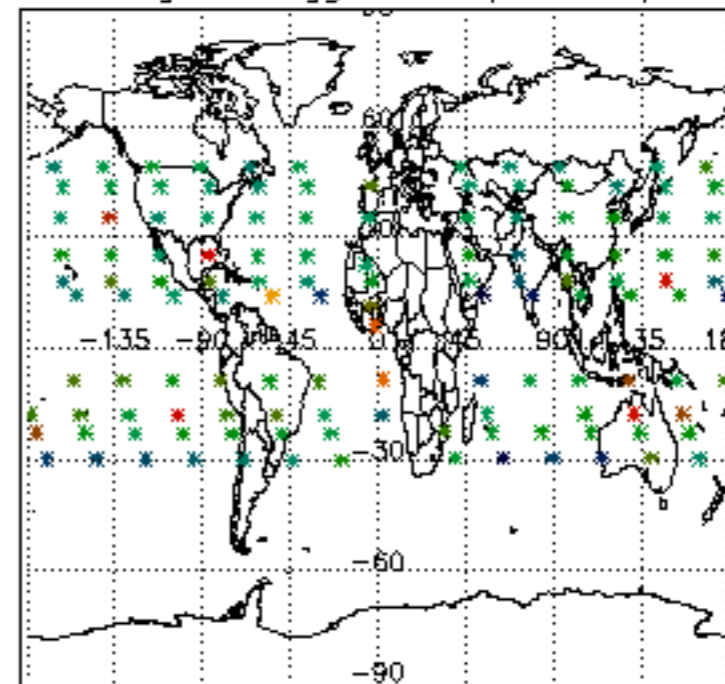
Percentage of flagged data per H2O profile

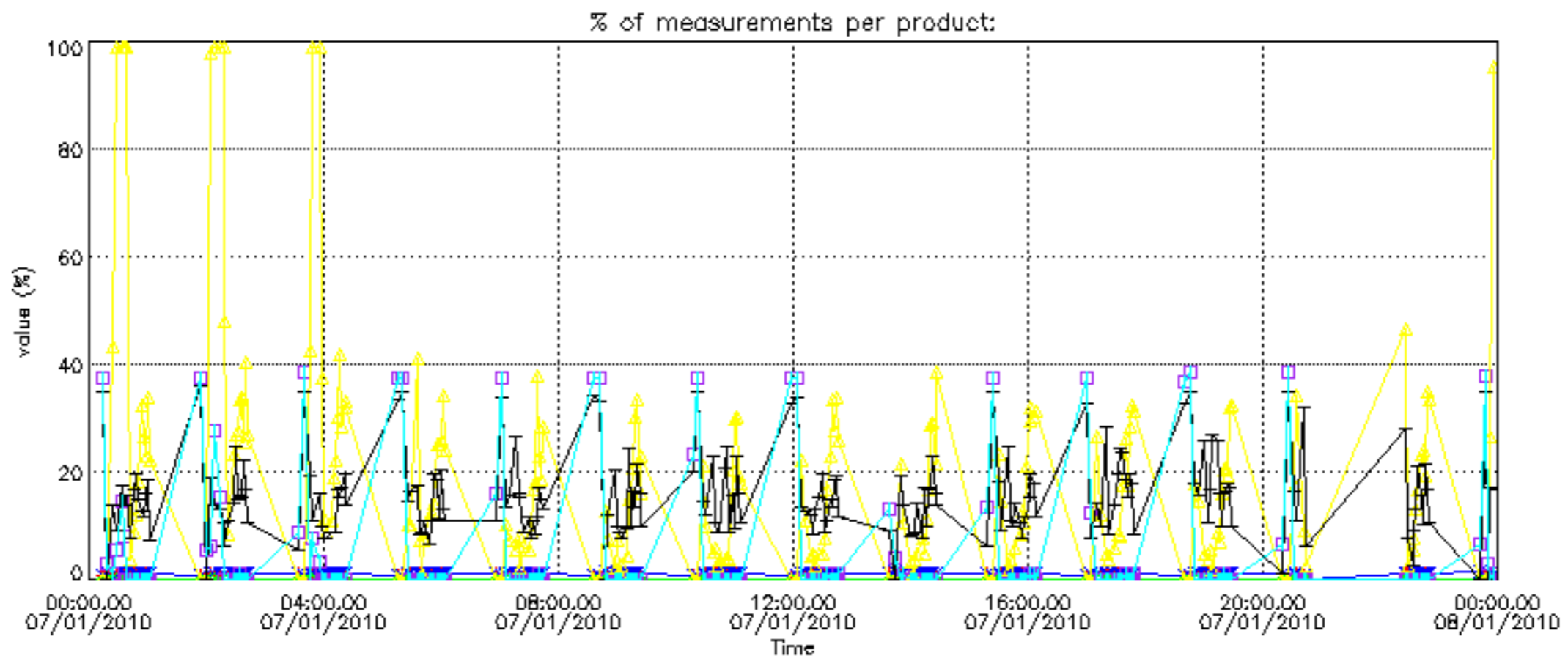


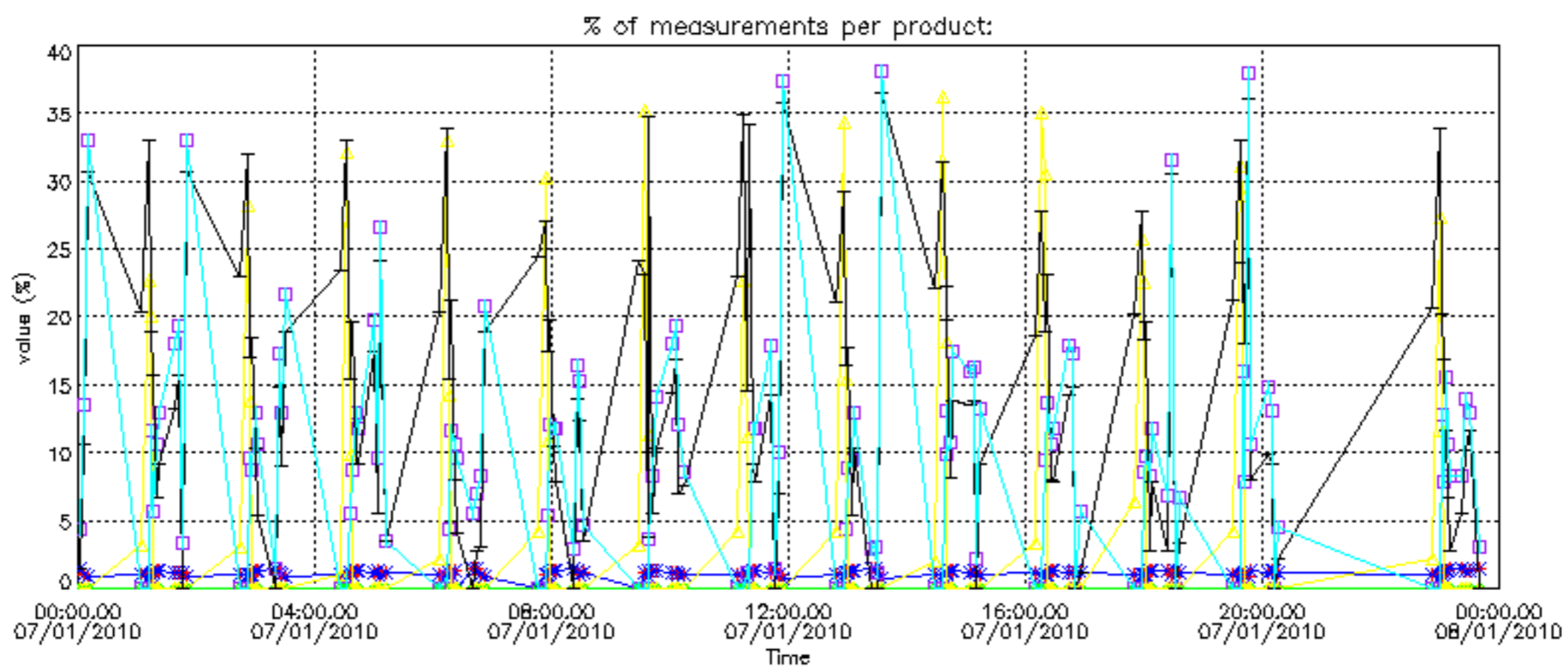
Percentage of flagged data per NO2 profile



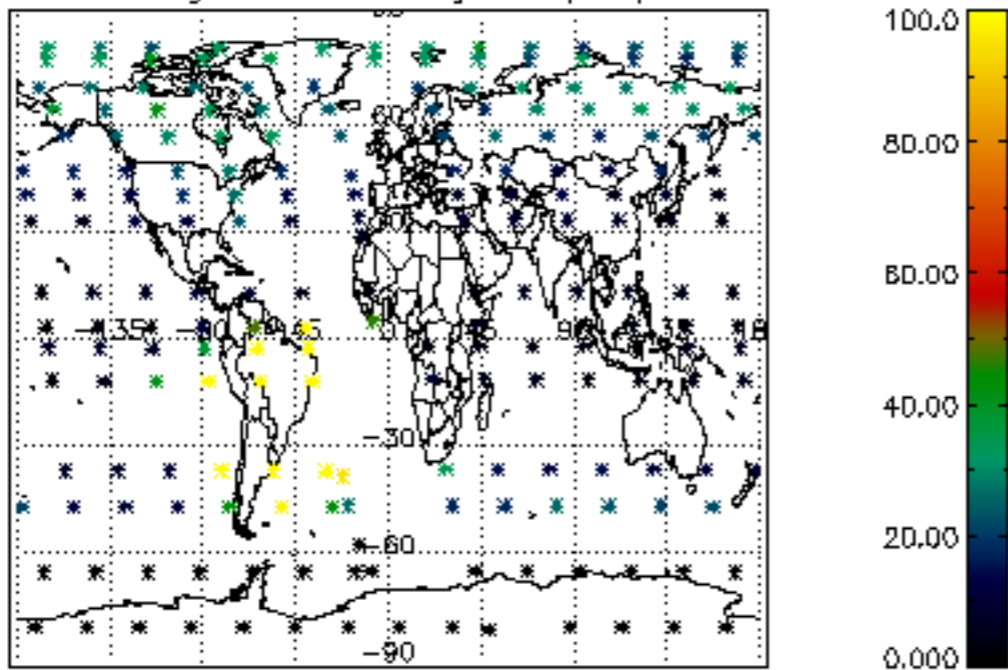
Percentage of flagged data per NO3 profile



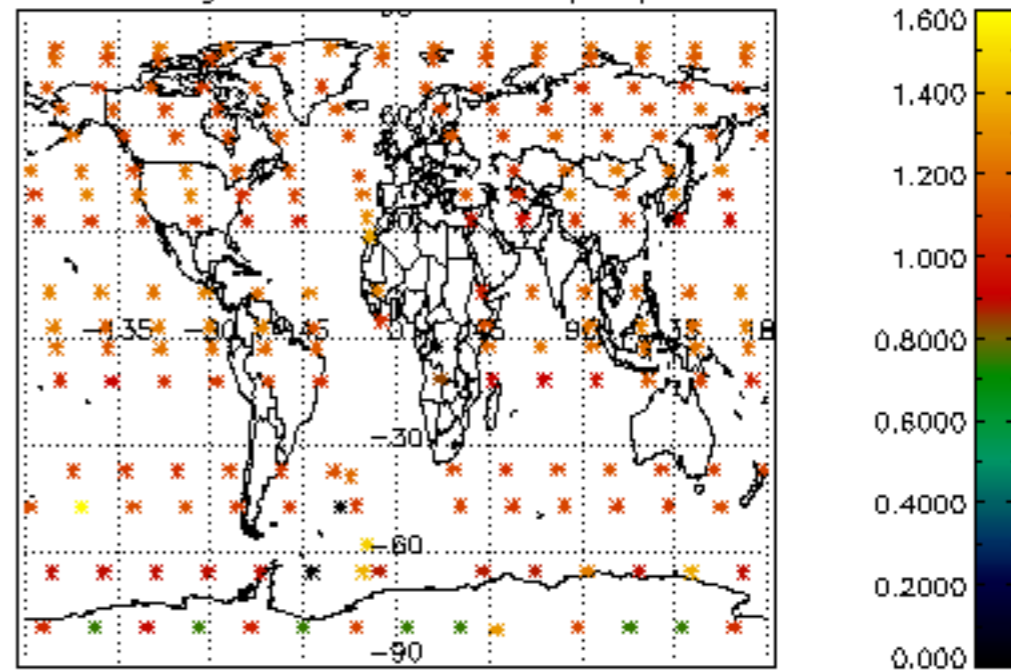




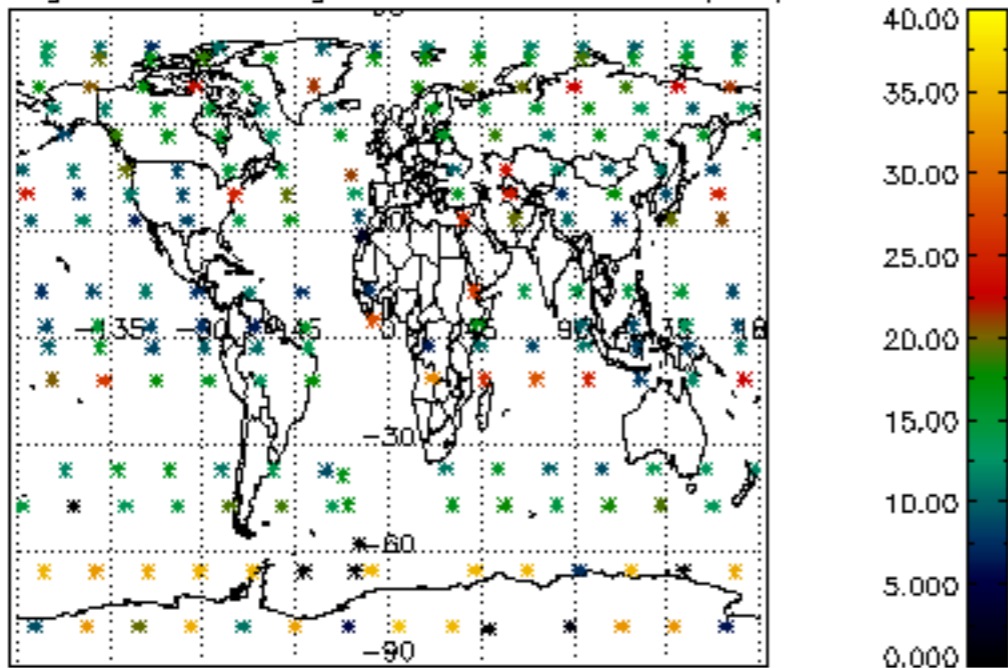
Percentage of cosmic ray hits per profile



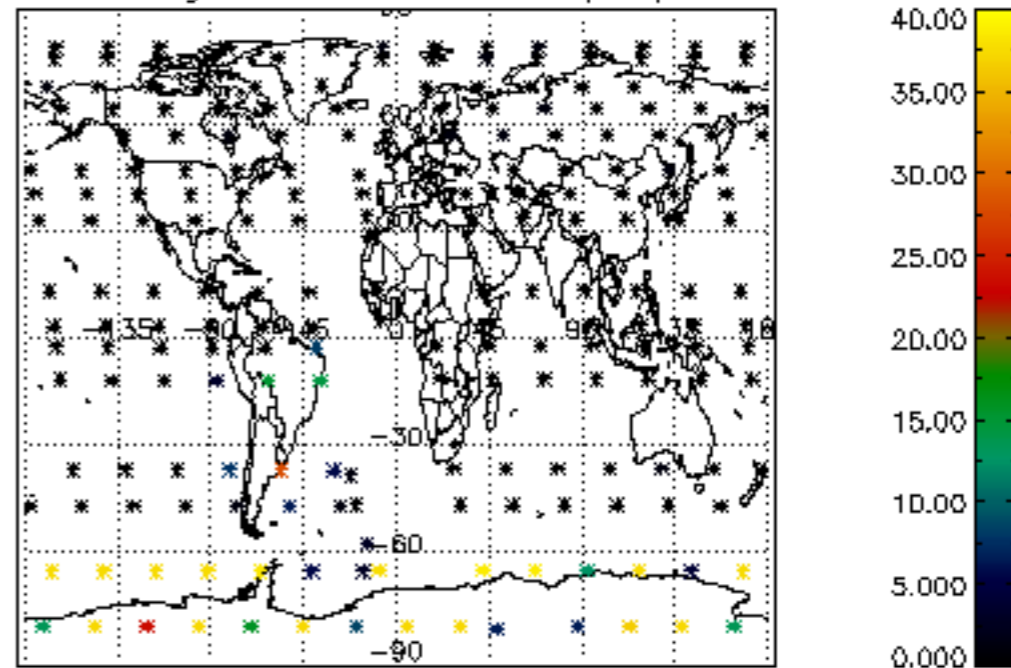
Percentage of datation errors per profile



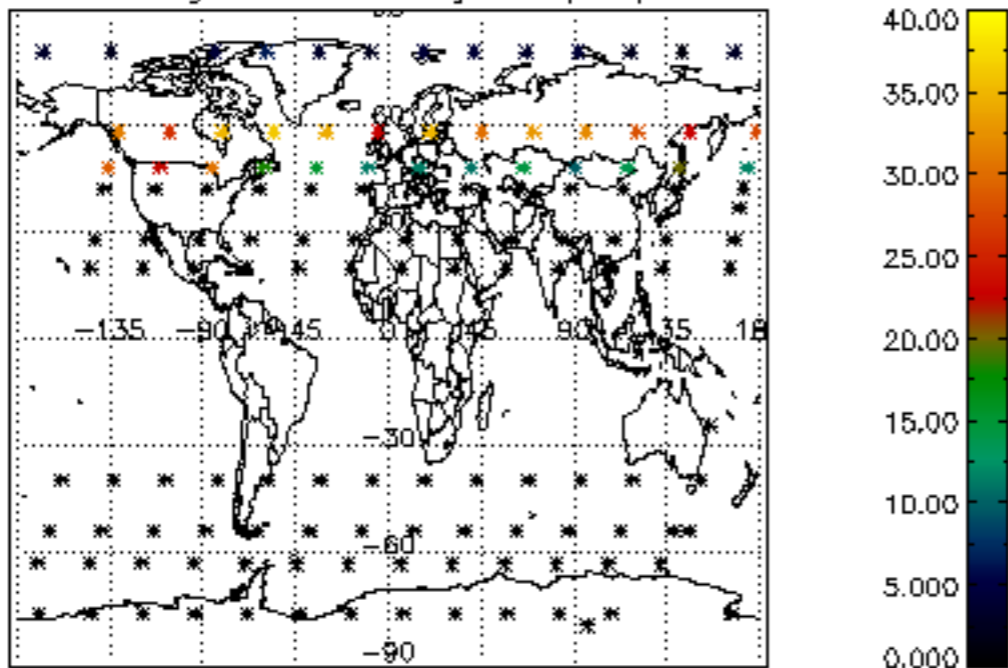
Percentage of star falling outside central band per profile



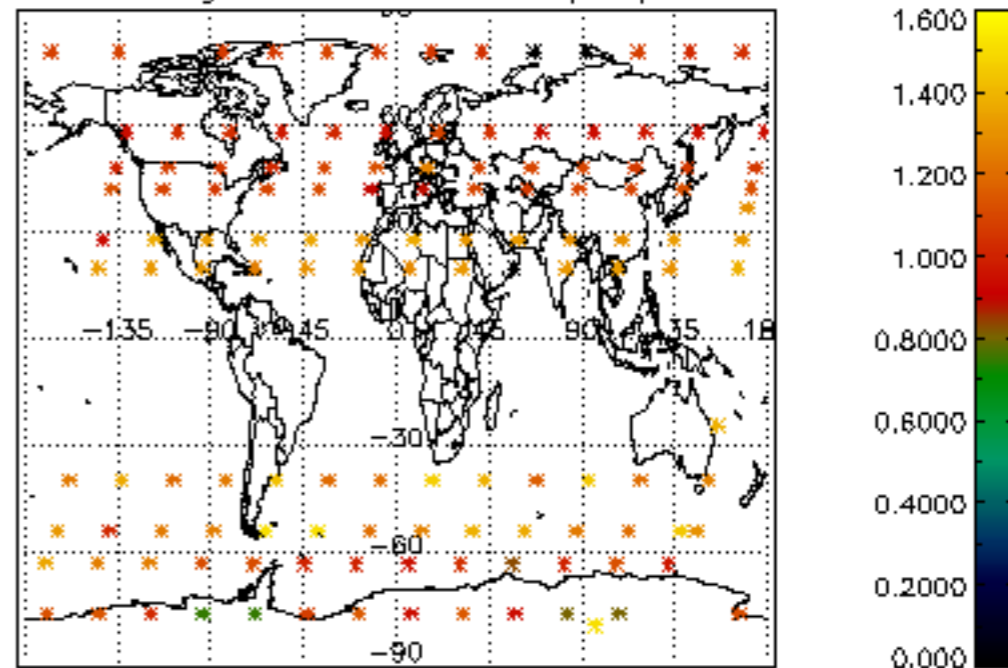
Percentage of saturation errors per profile



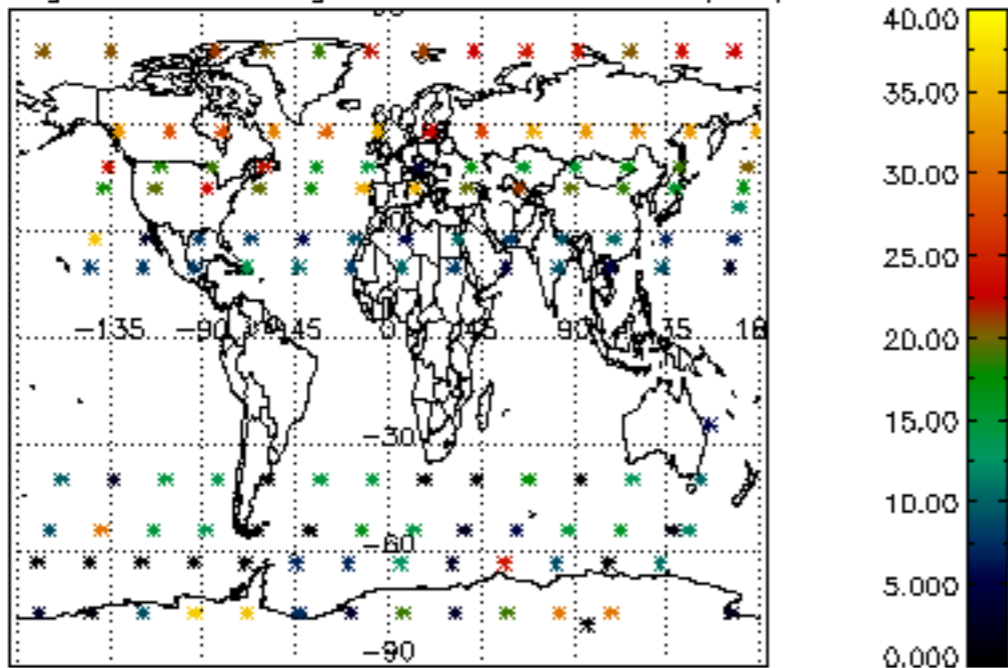
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

