

GOMOS Level 2 Daily Report

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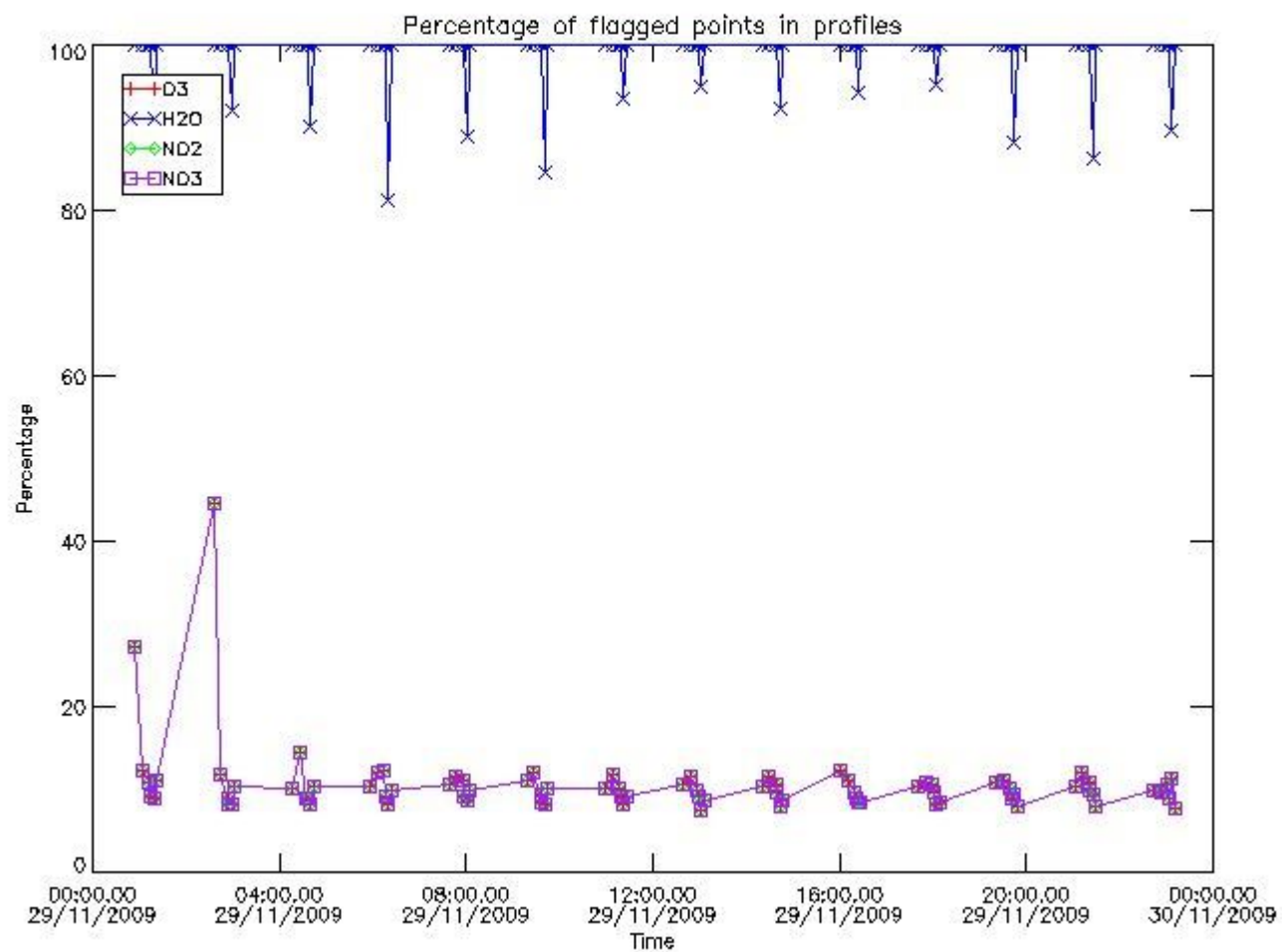
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338	GOM_NL__2PRFIN20091129_230612_000000632084_00388_40522_3567.N1	29-NOV-2009 23:06:12	Dark	63.000	117	Pi Pup	2.7060	3800.0	126	40522	No
339	GOM_NL__2PRFIN20091129_231003_000000662084_00388_40522_3568.N1	29-NOV-2009 23:10:03	Dark	66.000	23	21Eps CMa	1.5020	26000.	132	40522	No
340	GOM_NL__2PRFIN20091129_231640_000000572084_00388_40522_3569.N1	29-NOV-2009 23:16:40	Straylight	56.500	101	11Alp Lep	2.5820	7000.0	113	40522	No
341	GOM_NL__2PRFIN20091129_232020_000000582084_00388_40522_3570.N1	29-NOV-2009 23:20:20	Straylight	58.000	7	19Bet Ori	0.10000	14000.	116	40522	No
342	GOM_NL__2PRFIN20091129_232342_000000552084_00388_40522_3571.N1	29-NOV-2009 23:23:42	Twilight_stray	55.000	72	34Del Ori	2.2500	30000.	110	40522	No
343	GOM_NL__2PRFIN20091129_232611_000000652084_00388_40522_3572.N1	29-NOV-2009 23:26:11	Twilight_stray	65.000	27	24Gam Ori	1.6360	26000.	130	40522	No
344	GOM_NL__2PRFIN20091129_232824_000000572084_00388_40522_3573.N1	29-NOV-2009 23:28:24	Bright	56.500	13	87Alp Tau	0.86700	3800.0	113	40522	No
345	GOM_NL__2PRFIN20091129_232957_000000422084_00388_40522_3574.N1	29-NOV-2009 23:29:57	Bright	41.500	146	25Eta Tau	2.8730	15200.	83	40522	No
346	GOM_NL__2PRFIN20091129_233221_000000392084_00388_40522_3575.N1	29-NOV-2009 23:32:21	Bright	39.000	150	44Zet Per	2.8900	28000.	78	40522	No
347	GOM_NL__2PRFIN20091129_233447_000000372084_00388_40522_3576.N1	29-NOV-2009 23:34:47	Bright	37.000	149	45Eps Per	2.8880	30000.	74	40522	No
348	GOM_NL__2PRFIN20091129_233845_000000472084_00388_40522_3577.N1	29-NOV-2009 23:38:45	Bright	46.500	6	13Alp Aur	0.080000	3400.0	93	40522	No
349	GOM_NL__2PRFIN20091129_234039_000000482084_00388_40522_3578.N1	29-NOV-2009 23:40:39	Bright	47.500	42	34Bet Aur	1.9000	10200.	95	40522	No
350	GOM_NL__2PRFIN20091129_235453_000000492084_00388_40522_3579.N1	29-NOV-2009 23:54:53	Bright	48.500	36	50Alp UMa	1.8000	6300.0	97	40522	No
351	GOM_NL__2PRFIN20091129_235630_000000672084_00388_40522_3580.N1	29-NOV-2009 23:56:30	Bright	67.000	82	48Bet UMa	2.3650	10600.	134	40522	No
352	GOM_NL__2PRFIN20091129_235802_000000412084_00388_40522_3581.N1	29-NOV-2009 23:58:02	Bright	40.500	32	77Eps UMa	1.7630	11000.	81	40522	No

3. Quality information per product

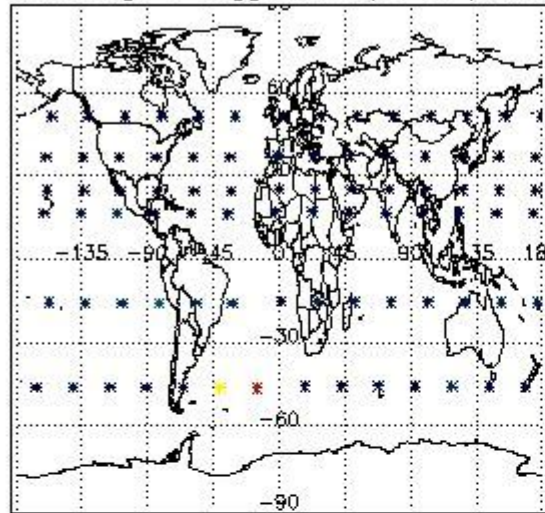
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

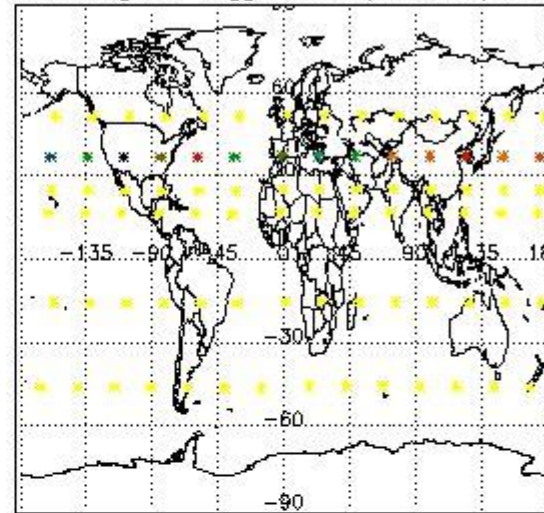


3.2 Plot quality information per product (world map)

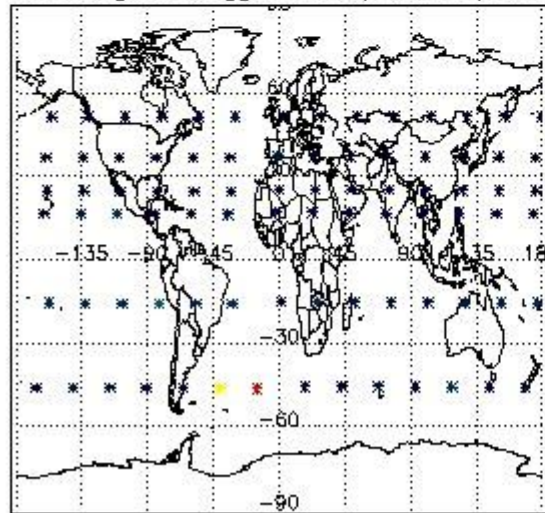
Percentage of flagged data per O3 profile



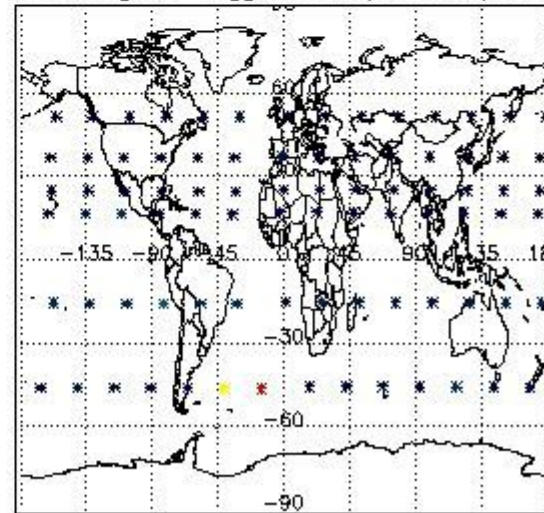
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

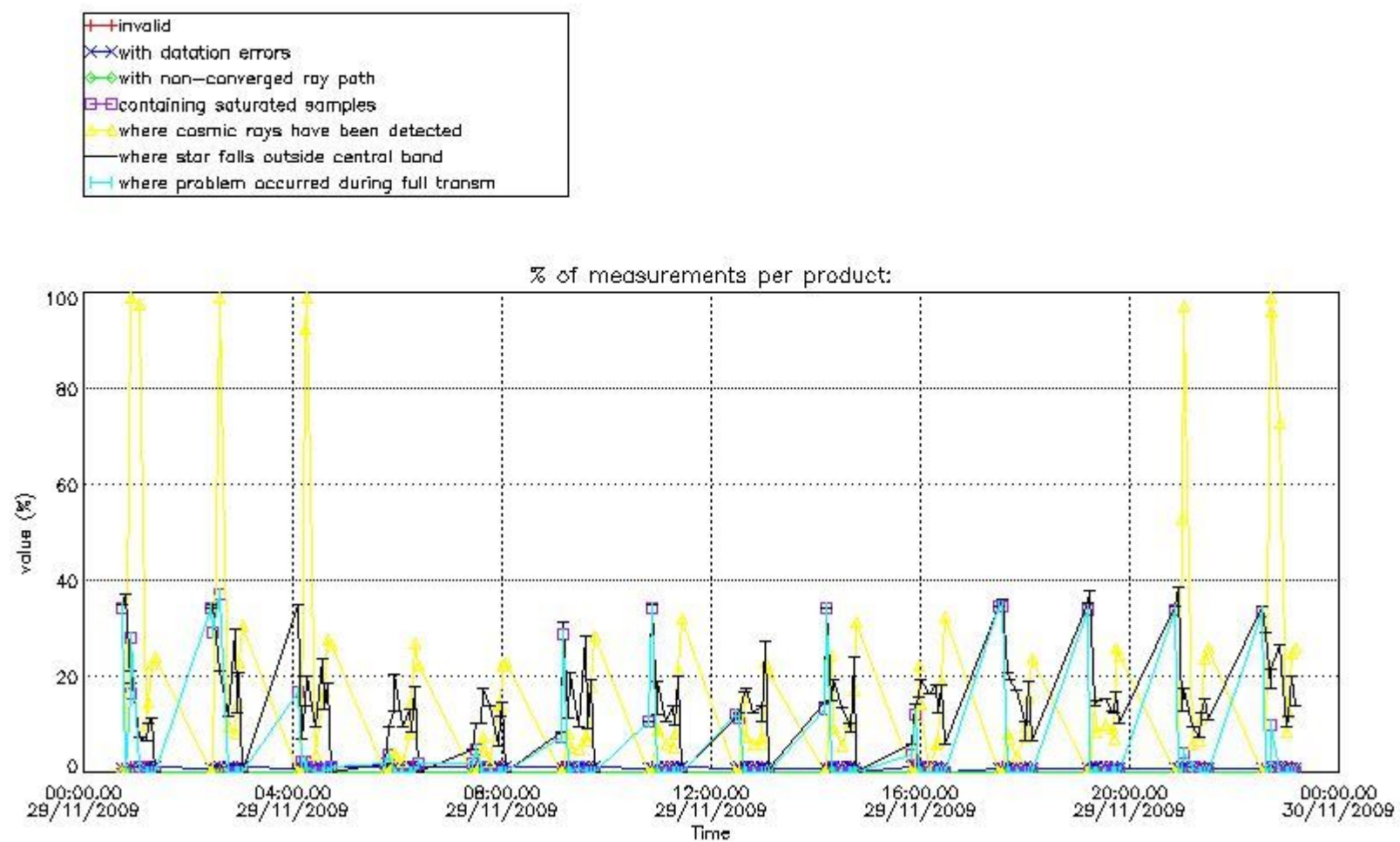


4. Level 1 quality information per product

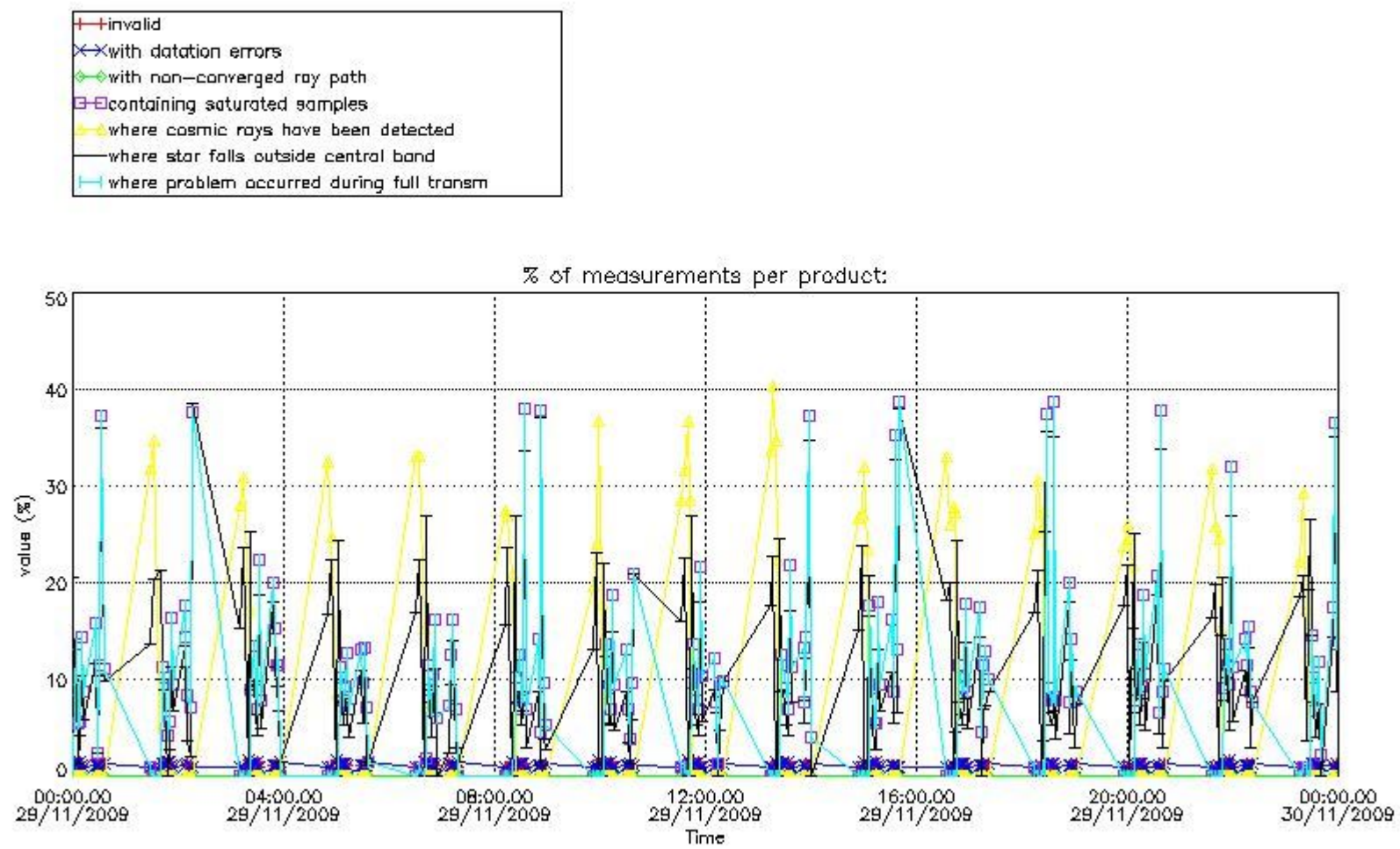
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



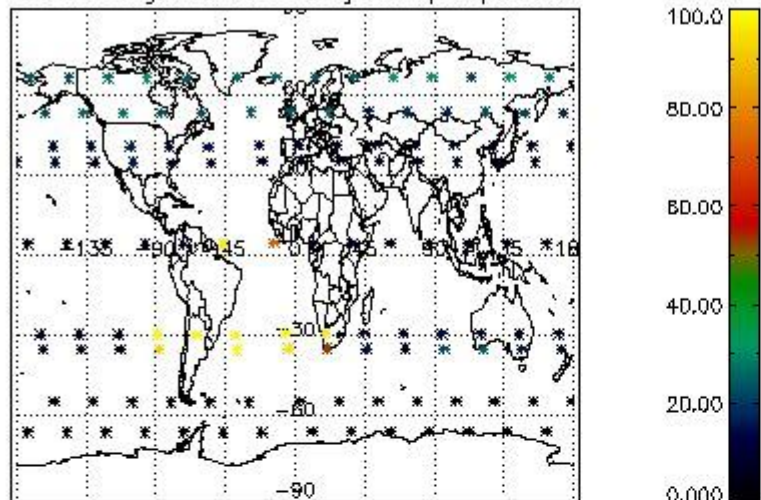
4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



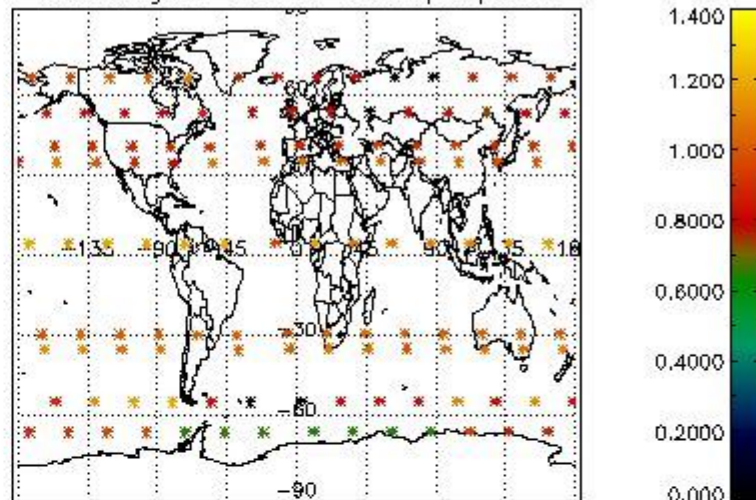
4.2 Plot quality information per product coming from level 1b processing (world map)

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

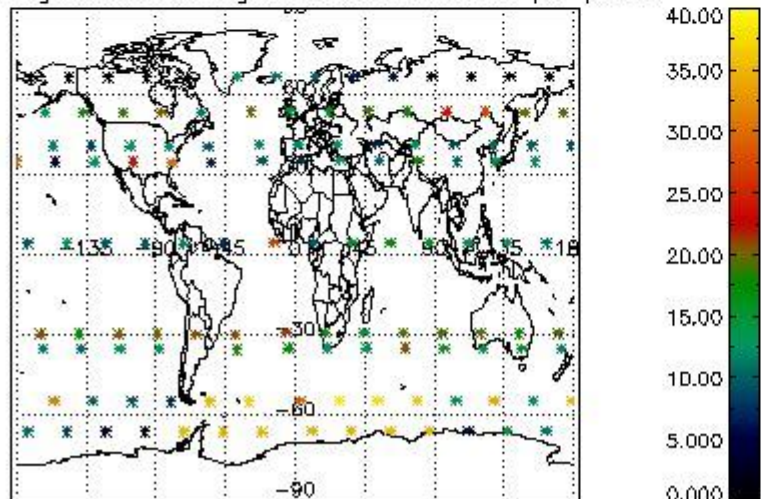
Percentage of cosmic ray hits per profile



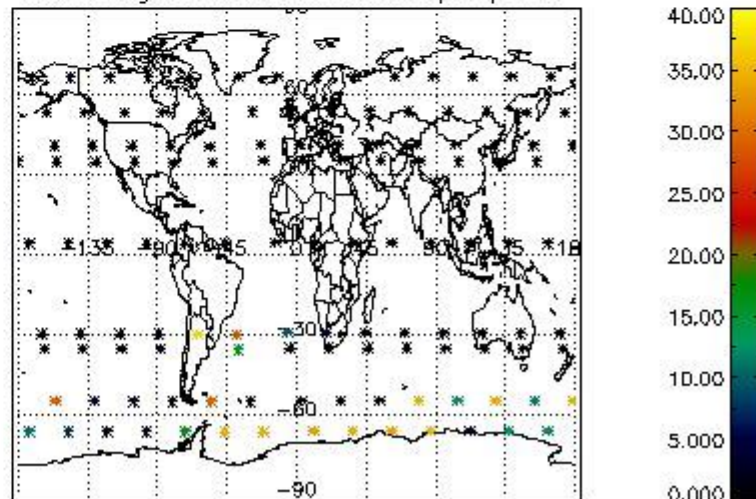
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

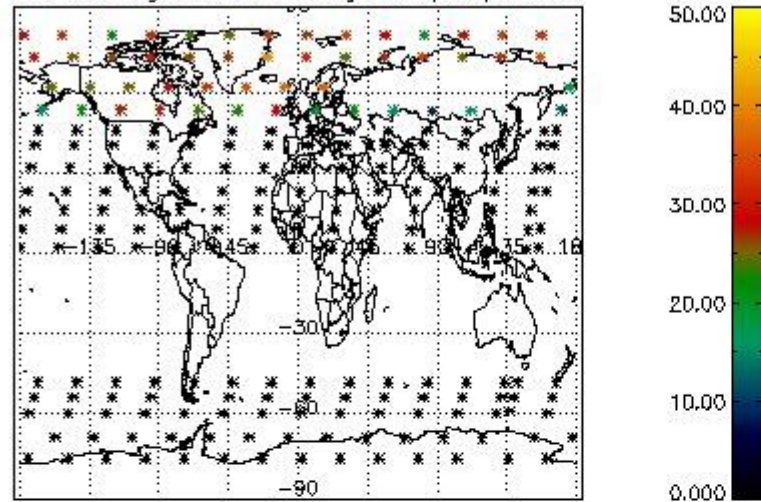


Percentage of saturation errors per profile

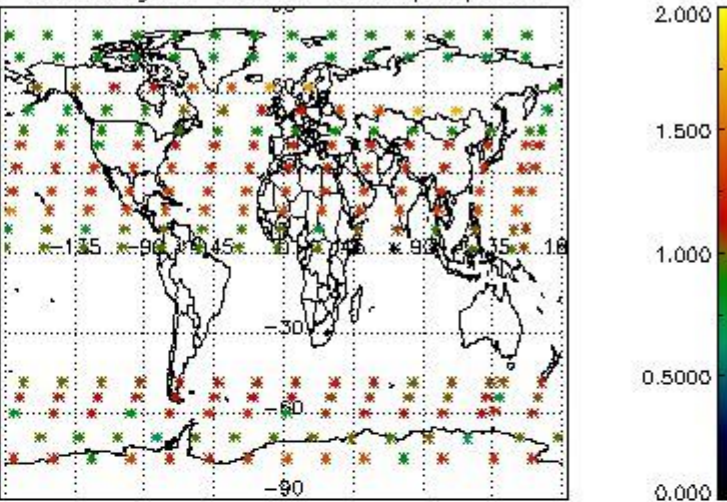


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

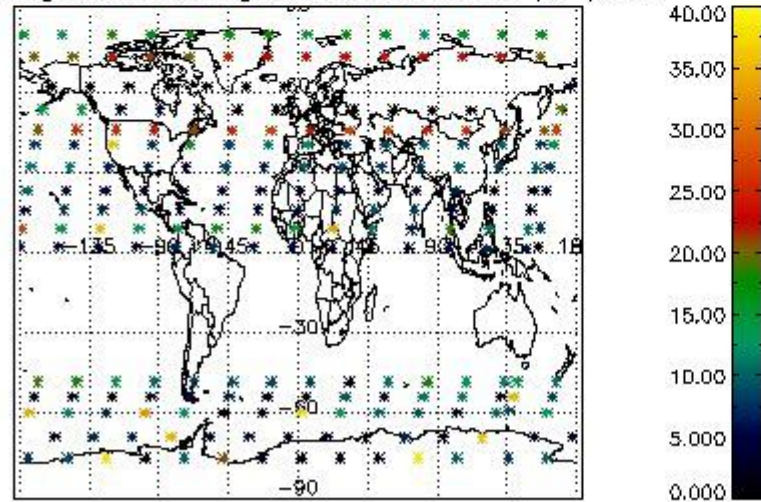
Percentage of cosmic ray hits per profile



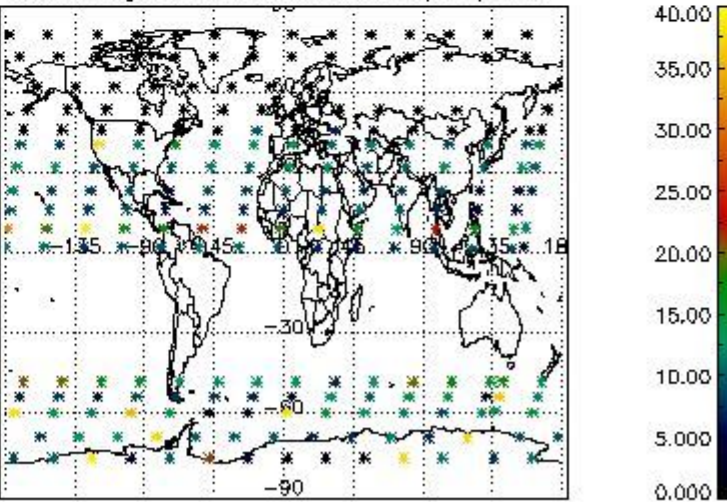
Percentage of datation errors per profile



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

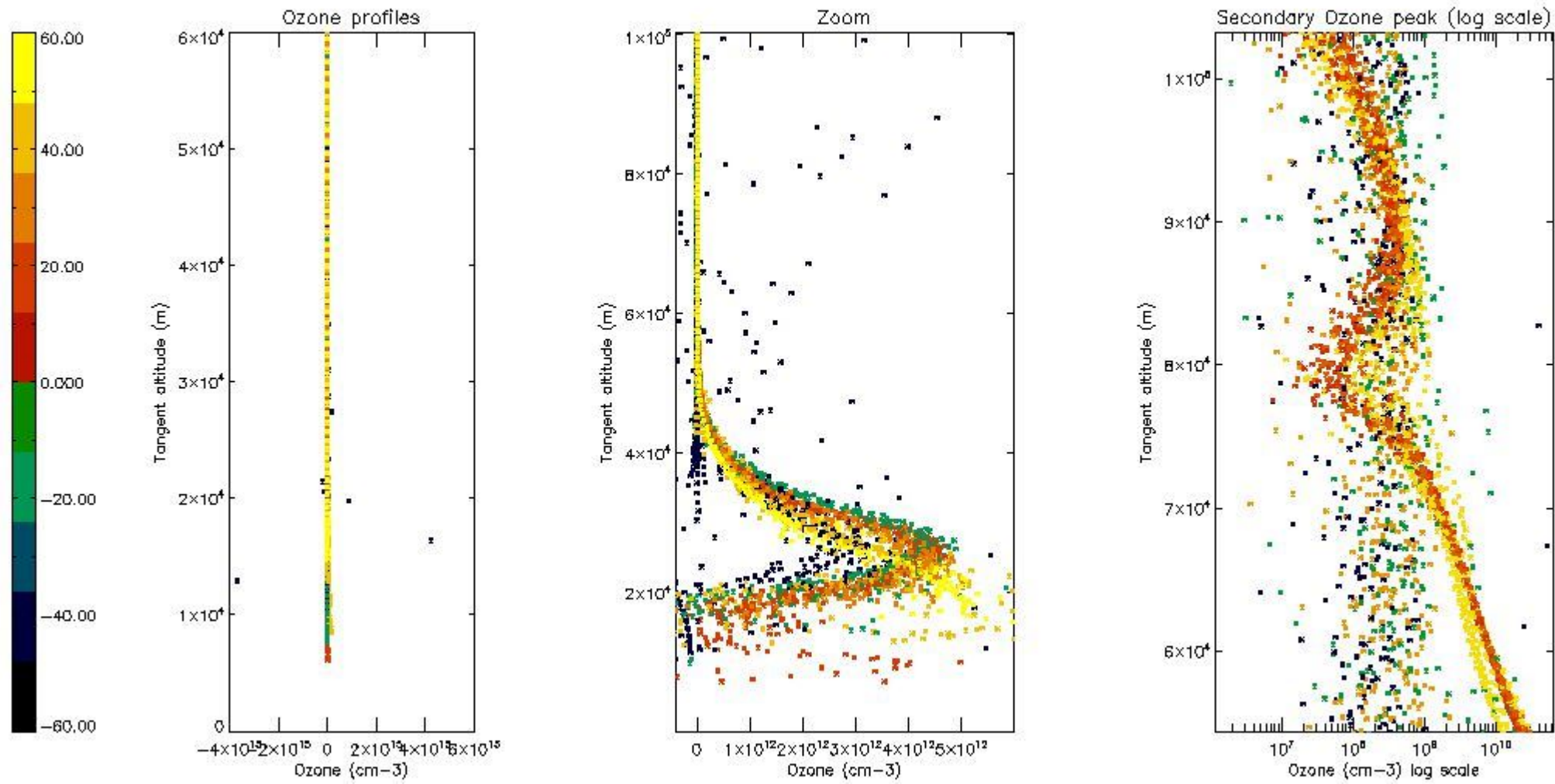
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	26
STD < 20	13

STD < 10	10
STD < 5	8

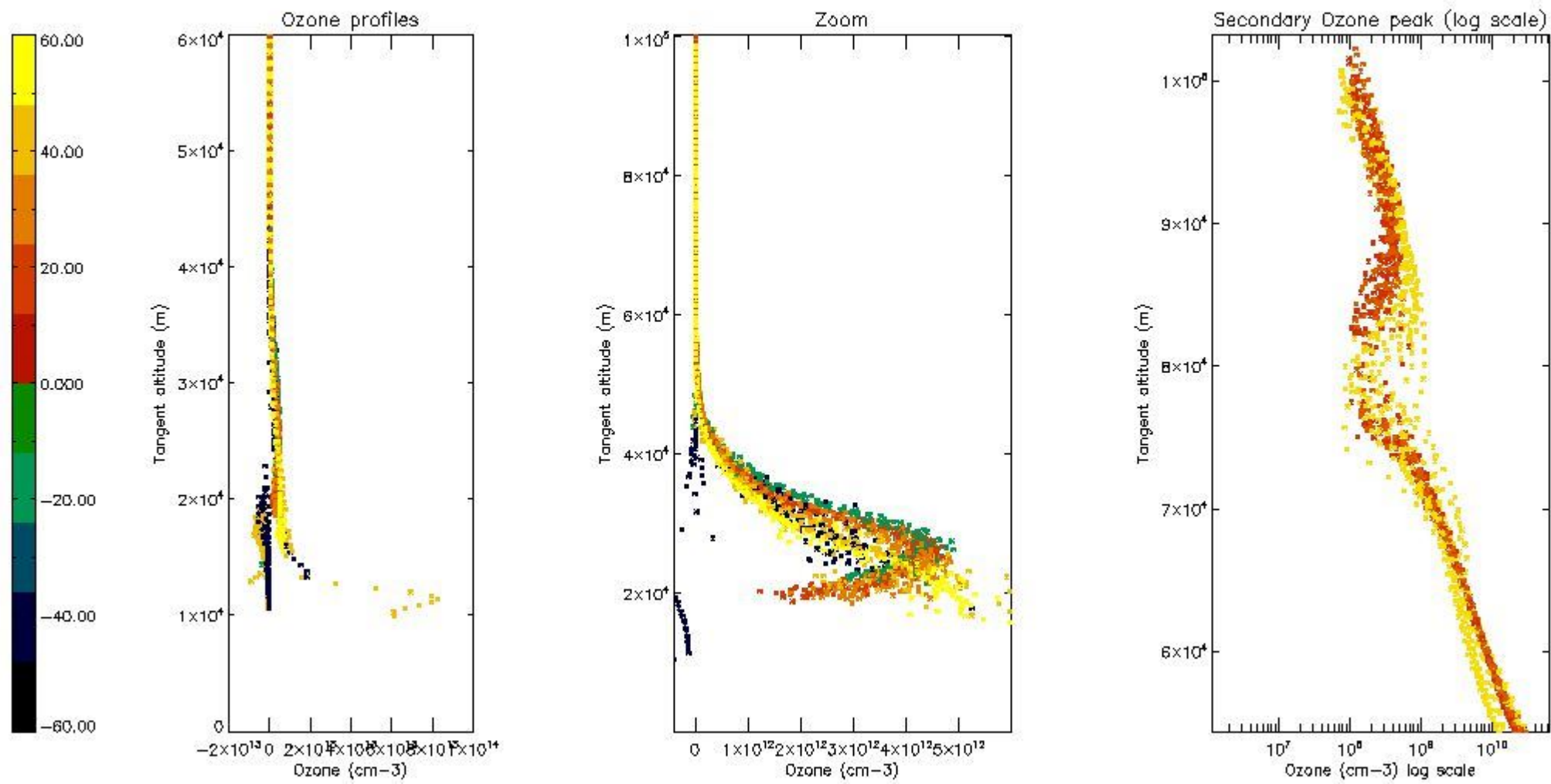
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



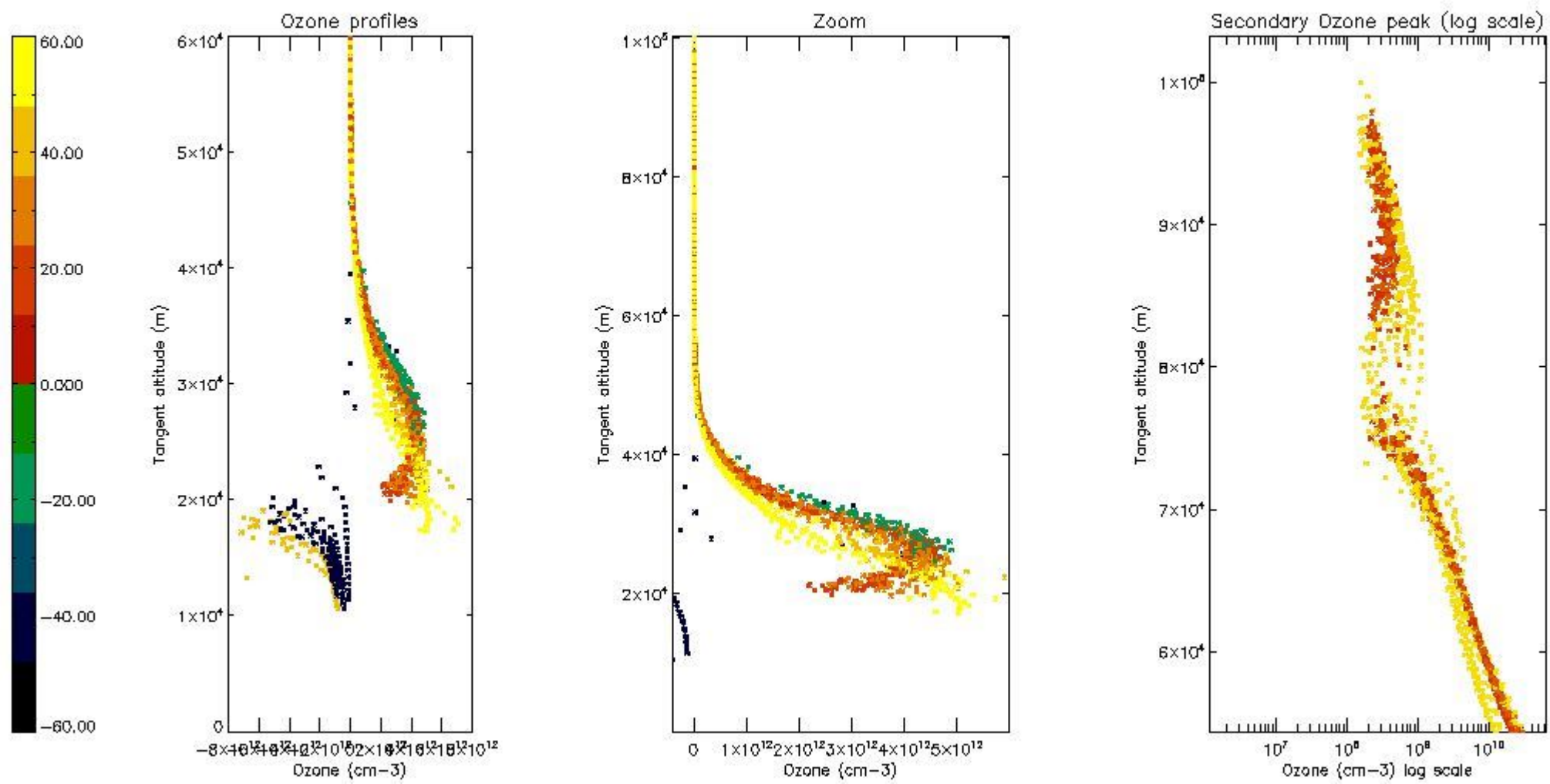
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



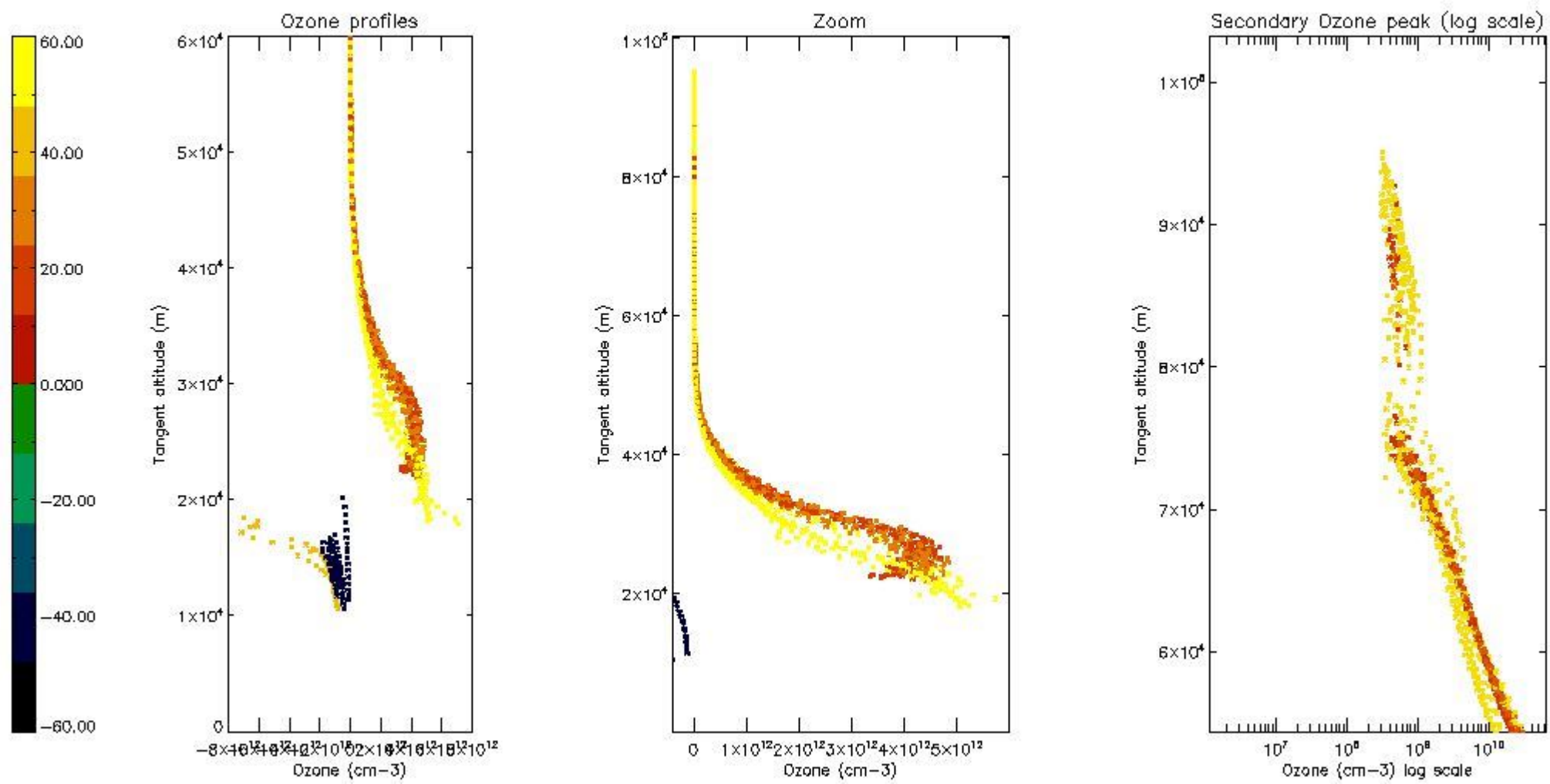
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



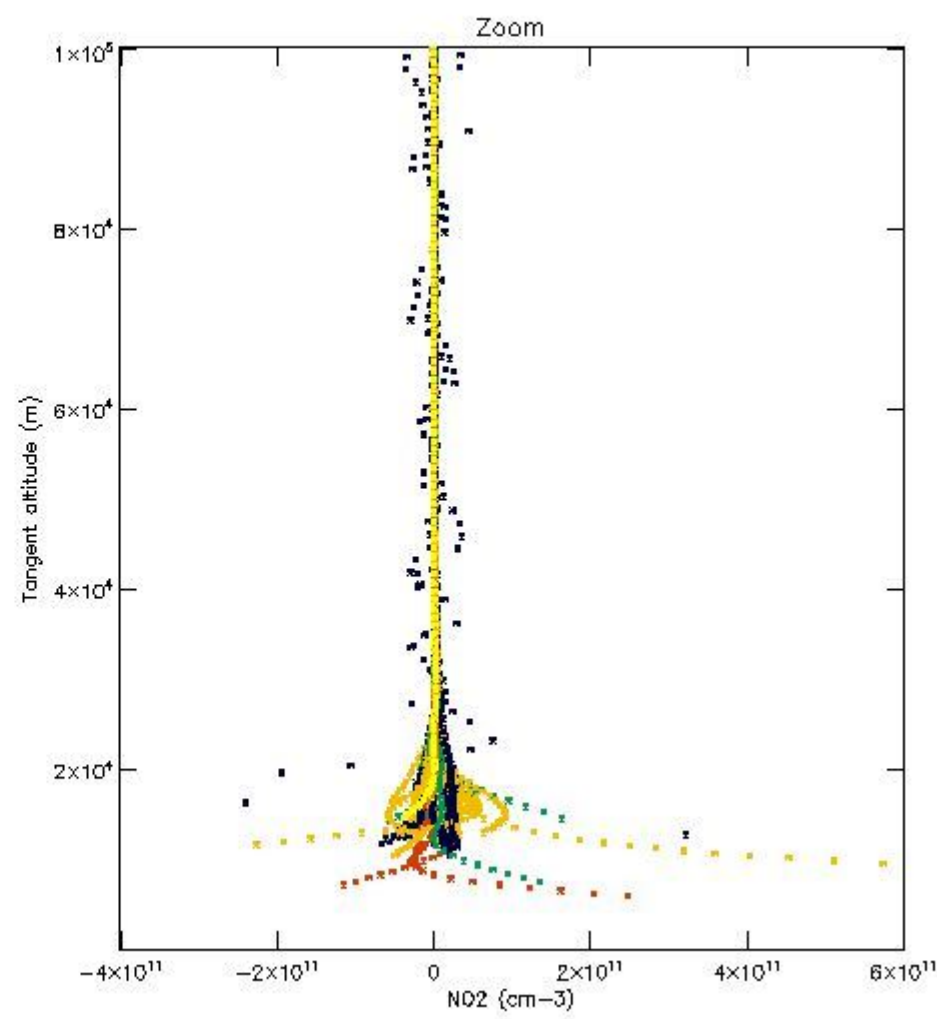
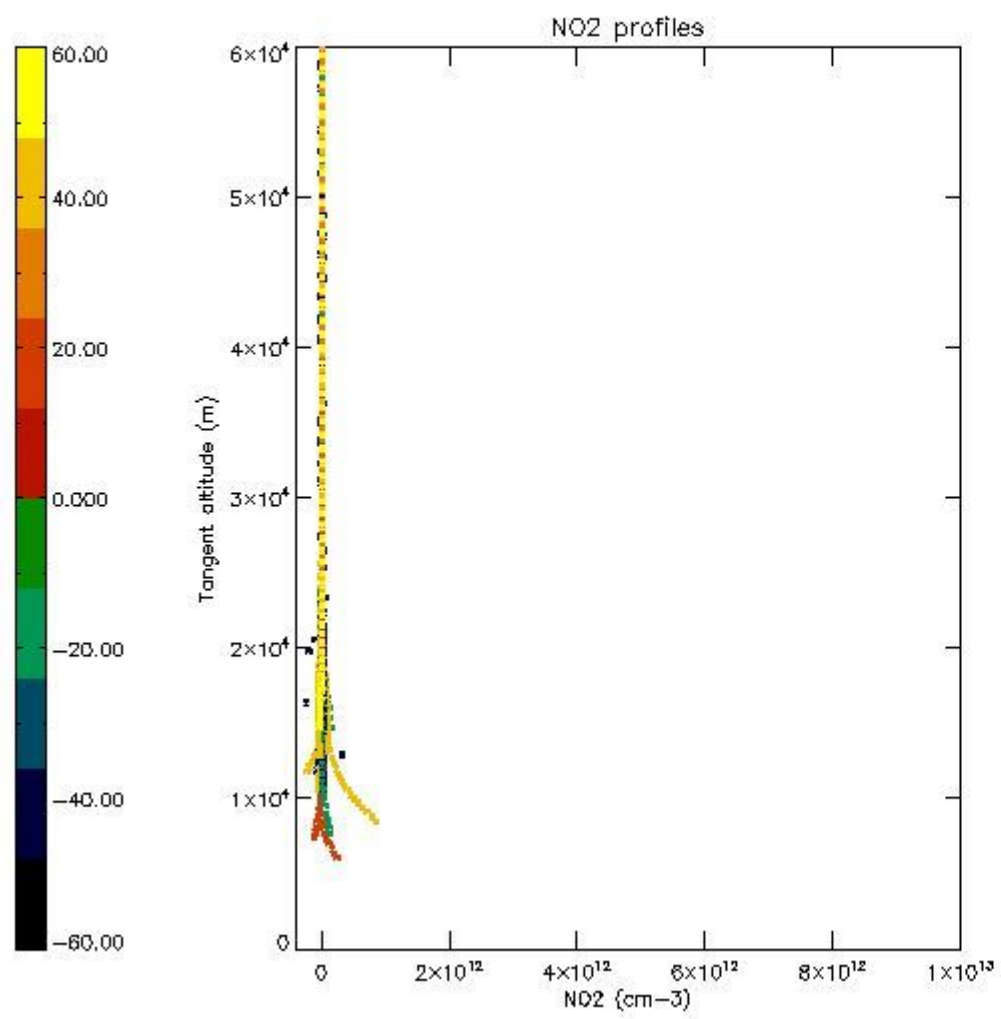
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



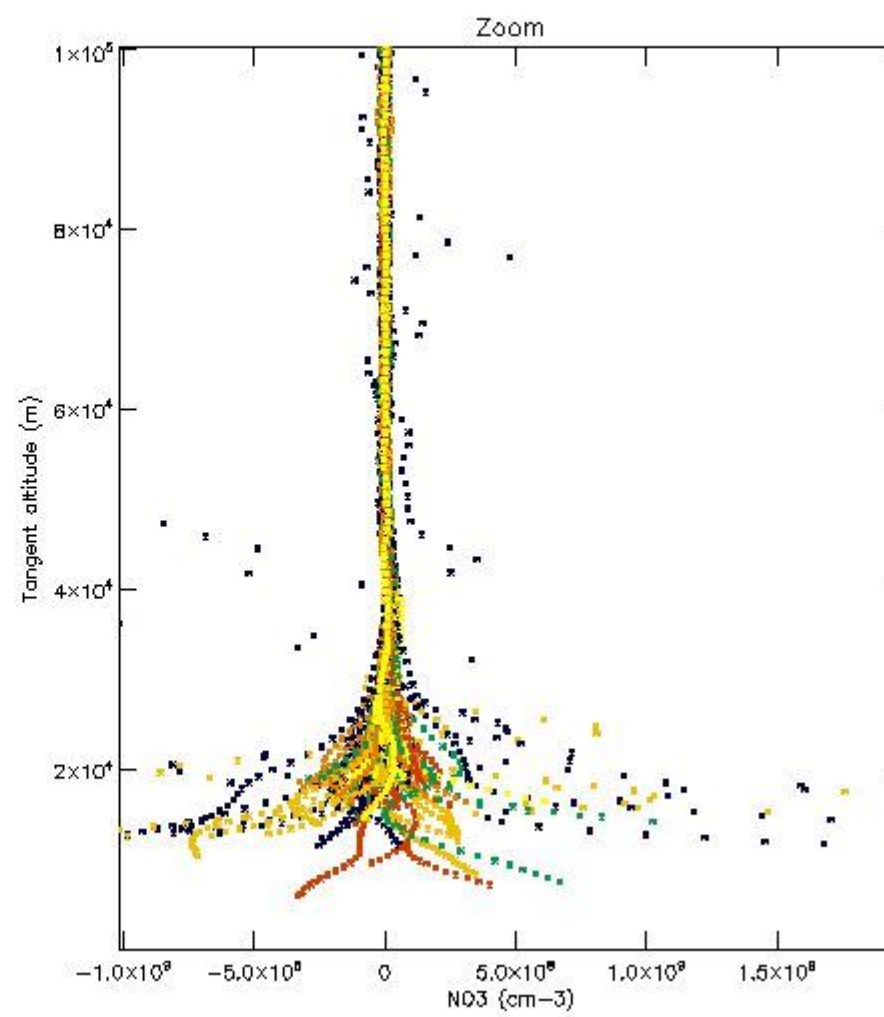
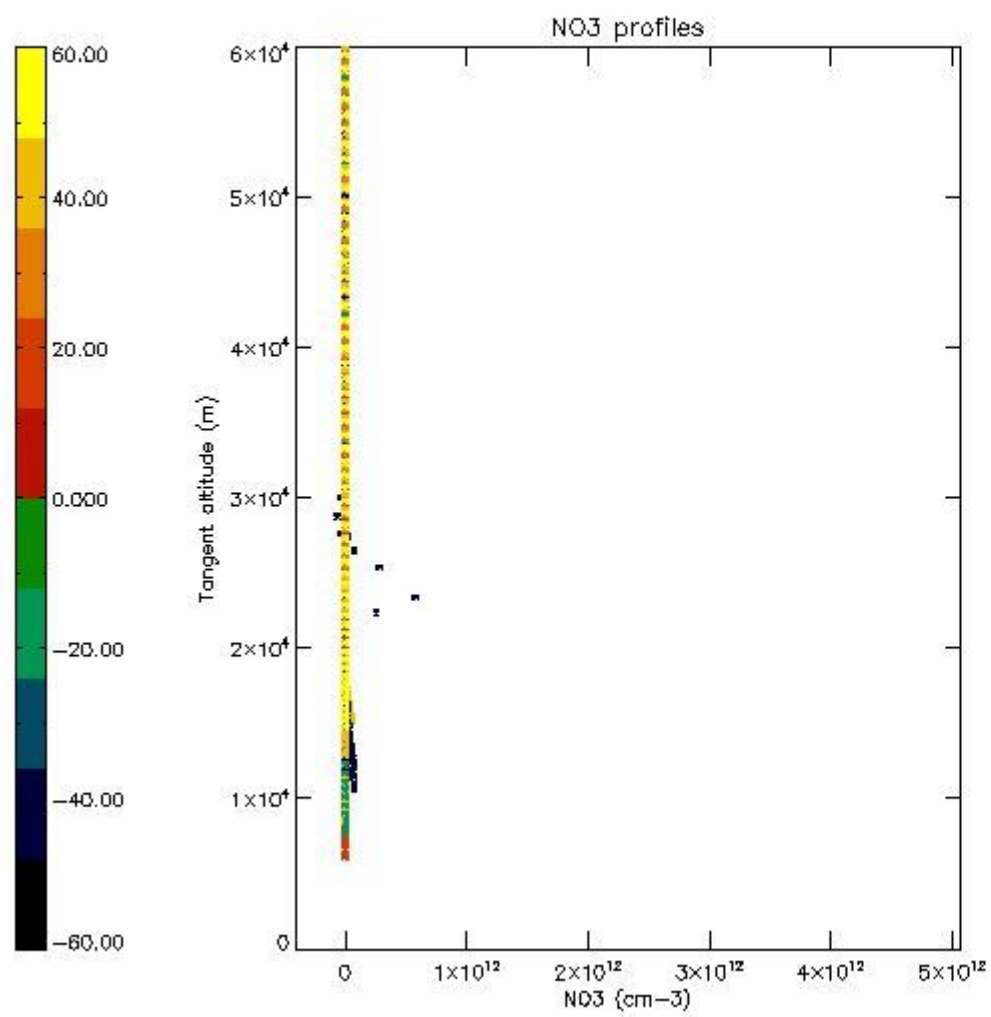
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



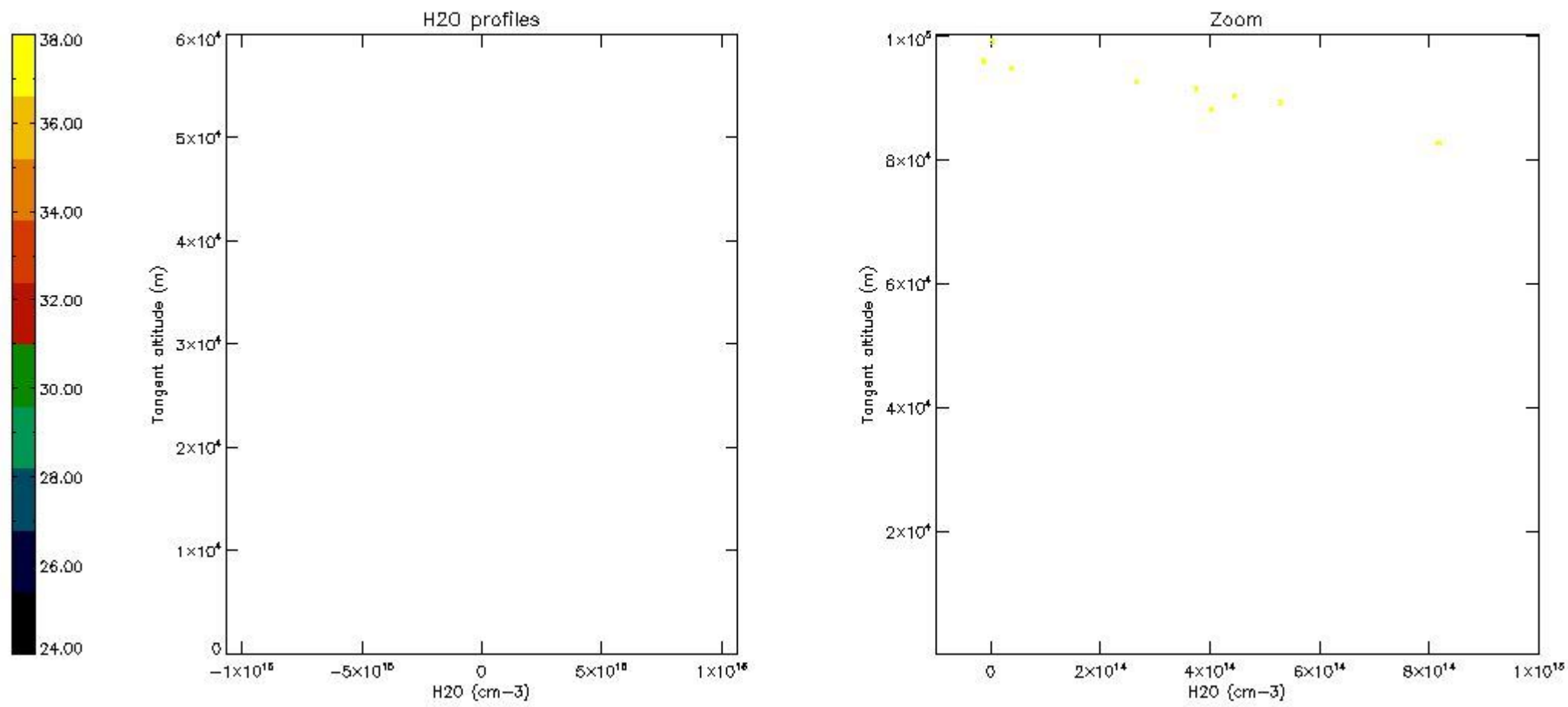
5.7 Plot NO3 profiles for all STD (dark without errors)

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	29-NOV-2009 00:00:07
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	29-NOV-2009 00:00:07
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	29-NOV-2009 00:00:07

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

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

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[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 14:24:14
Data source version	GOMOS/6.01
Start time of products	29-11-2009 (29NOV2009 00:00:00)
Stop time of products	30-11-2009 (30NOV2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	352
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

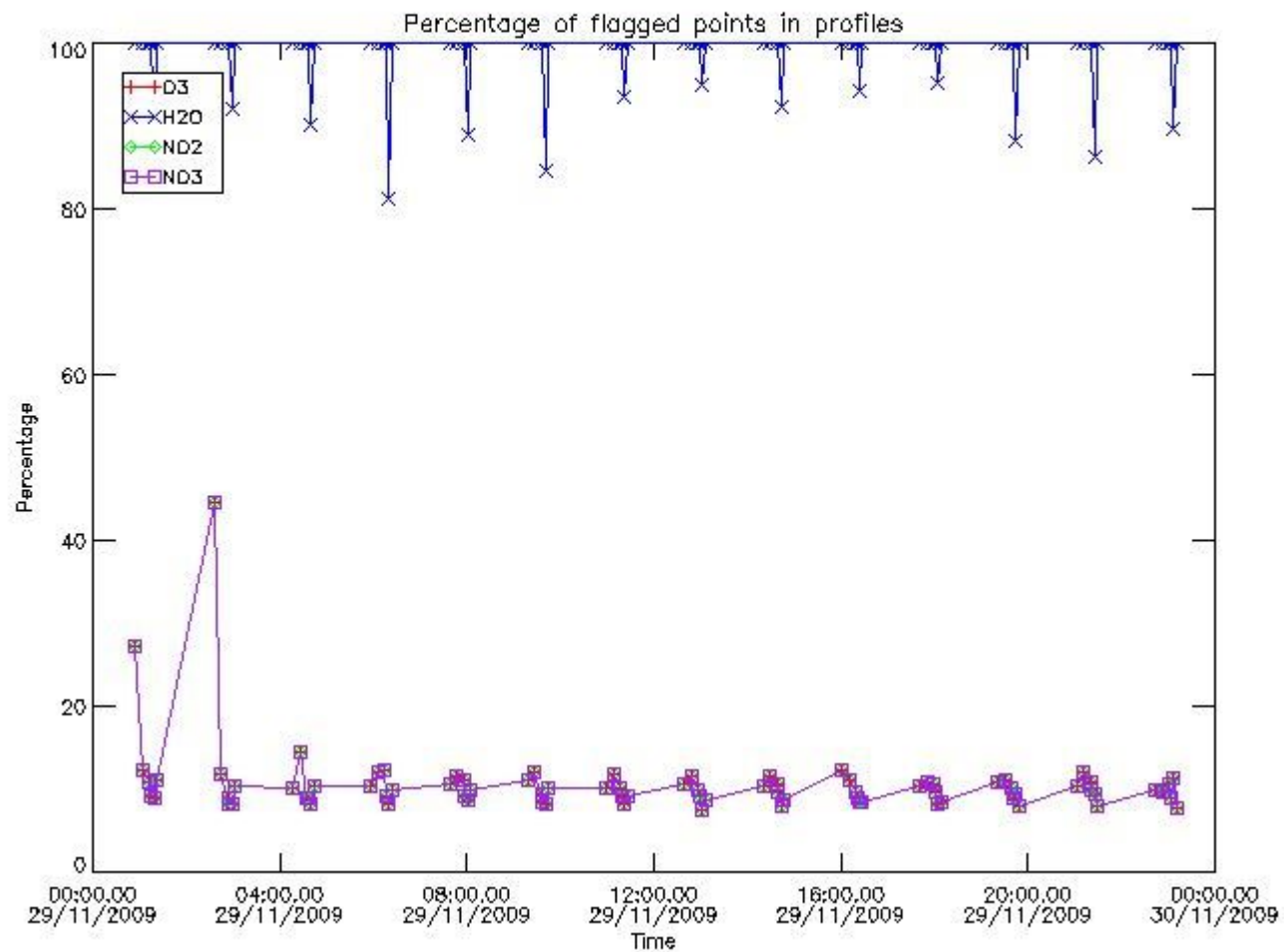
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20091129_000007_00000542084_00374_40508_3405.N1	29-NOV-2009 00:00:07	Bright	53.500	13	87Alp Tau	0.86700	3800.0	107	40508	No
2	GOM_NL__2PRFIN20091129_000137_00000392084_00374_40508_3406.N1	29-NOV-2009 00:01:37	Bright	39.000	146	25Eta Tau	2.8730	15200.	78	40508	No
3	GOM_NL__2PRFIN20091129_000402_000000412084_00374_40508_3407.N1	29-NOV-2009 00:04:02	Bright	40.500	150	44Zet Per	2.8900	28000.	81	40508	No
4	GOM_NL__2PRFIN20091129_000628_000000372084_00374_40508_3408.N1	29-NOV-2009 00:06:28	Bright	37.000	149	45Eps Per	2.8880	30000.	74	40508	No
5	GOM_NL__2PRFIN20091129_000828_000000362084_00374_40508_3409.N1	29-NOV-2009 00:08:28	Bright	35.500	175	39Del Per	3.0100	19400.	71	40508	No
6	GOM_NL__2PRFIN20091129_001032_000000492084_00374_40508_3410.N1	29-NOV-2009 00:10:32	Bright	48.500	6	13Alp Aur	0.080000	3400.0	97	40508	No
7	GOM_NL__2PRFIN20091129_001230_000000522084_00374_40508_3411.N1	29-NOV-2009 00:12:30	Bright	52.000	42	34Bet Aur	1.9000	10200.	104	40508	No
8	GOM_NL__2PRFIN20091129_002635_000000482084_00374_40508_3412.N1	29-NOV-2009 00:26:35	Bright	47.500	36	50Alp UMa	1.8000	6300.0	95	40508	No
9	GOM_NL__2PRFIN20091129_002812_000000432084_00374_40508_3413.N1	29-NOV-2009 00:28:12	Bright	43.000	82	48Bet UMa	2.3650	10600.	86	40508	No
10	GOM_NL__2PRFIN20091129_002956_000000442084_00374_40508_3414.N1	29-NOV-2009 00:29:56	Bright	43.500	87	64Gam UMa	2.4330	11000.	87	40508	No
11	GOM_NL__2PRFIN20091129_003238_000000752084_00374_40508_3415.N1	29-NOV-2009 00:32:38	Bright	75.000	174	52Psi UMa	3.0040	4400.0	150	40508	No
12	GOM_NL__2PRFIN20091129_003510_000000412084_00374_40508_3416.N1	29-NOV-2009 00:35:10	Bright	40.500	152	12Alp2CVn	2.8900	11000.	81	40508	No
13	GOM_NL__2PRFIN20091129_004427_000000762084_00374_40508_3417.N1	29-NOV-2009 00:44:27	Bright	76.000	62	94Bet Leo	2.1360	9700.0	152	40508	No
14	GOM_NL__2PRFIN20091129_004748_000000602084_00374_40508_3418.N1	29-NOV-2009 00:47:48	Bright	59.500	121	29Gam Vir	2.7400	7200.0	119	40508	No
15	GOM_NL__2PRFIN20091129_005321_000000492084_00374_40508_3419.N1	29-NOV-2009 00:53:21	Twilight	49.000	100	4Gam Crv	2.5800	13100.	98	40508	No
16	GOM_NL__2PRFIN20091129_005457_000000502084_00374_40508_3420.N1	29-NOV-2009 00:54:57	Dark	50.000	171	2Eps Crv	3.0010	4250.0	100	40508	No
17	GOM_NL__2PRFIN20091129_010426_000000422084_00375_40509_3407.N1	29-NOV-2009 01:04:26	Dark	41.500	113	Mu Vel	2.6920	5000.0	83	40509	No
18	GOM_NL__2PRFIN20091129_011259_000000472084_00375_40509_3408.N1	29-NOV-2009 01:12:59	Dark	46.500	34	Gam2Vel	1.7930	23000.	93	40509	No
19	GOM_NL__2PRFIN20091129_011440_000000552084_00375_40509_3409.N1	29-NOV-2009 01:14:40	Dark	55.000	70	Zet Pup	2.2460	39000.	110	40509	No
20	GOM_NL__2PRFIN20091129_011814_000000582084_00375_40509_3410.N1	29-NOV-2009 01:18:14	Dark	57.500	117	Pi Pup	2.7060	3800.0	115	40509	No
21	GOM_NL__2PRFIN20091129_012206_000000462084_00375_40509_3411.N1	29-NOV-2009 01:22:06	Dark	46.000	23	21Eps CMa	1.5020	26000.	92	40509	No
22	GOM_NL__2PRFIN20091129_012851_000000552084_00375_40509_3412.N1	29-NOV-2009 01:28:51	Straylight	55.000	101	11Alp Lep	2.5820	7000.0	110	40509	No
23	GOM_NL__2PRFIN20091129_013234_000000592084_00375_40509_3413.N1	29-NOV-2009 01:32:34	Straylight	59.000	7	19Bet Ori	0.10000	14000.	118	40509	No
24	GOM_NL__2PRFIN20091129_014042_000000542084_00375_40509_3414.N1	29-NOV-2009 01:40:42	Bright	54.000	13	87Alp Tau	0.86700	3800.0	108	40509	No
25	GOM_NL__2PRFIN20091129_014213_000000402084_00375_40509_3415.N1	29-NOV-2009 01:42:13	Bright	40.000	146	25Eta Tau	2.8730	15200.	80	40509	No
26	GOM_NL__2PRFIN20091129_014437_000000402084_00375_40509_3416.N1	29-NOV-2009 01:44:37	Bright	39.500	150	44Zet Per	2.8900	28000.	79	40509	No
27	GOM_NL__2PRFIN20091129_014704_000000372084_00375_40509_3417.N1	29-NOV-2009 01:47:04	Bright	36.500	149	45Eps Per	2.8880	30000.	73	40509	No
28	GOM_NL__2PRFIN20091129_014903_000000362084_00375_40509_3418.N1	29-NOV-2009 01:49:03	Bright	36.000	175	39Del Per	3.0100	19400.	72	40509	No
29	GOM_NL__2PRFIN20091129_015107_000000492084_00375_40509_3419.N1	29-NOV-2009 01:51:07	Bright	49.000	6	13Alp Aur	0.080000	3400.0	98	40509	No
30	GOM_NL__2PRFIN20091129_015305_000000532084_00375_40509_3420.N1	29-NOV-2009 01:53:05	Bright	52.500	42	34Bet Aur	1.9000	10200.	105	40509	No
31	GOM_NL__2PRFIN20091129_020710_000000482084_00375_40509_3421.N1	29-NOV-2009 02:07:10	Bright	48.000	36	50Alp UMa	1.8000	6300.0	96	40509	No
32	GOM_NL__2PRFIN20091129_020847_000000492084_00375_40509_3422.N1	29-NOV-2009 02:08:47	Bright	49.000	82	48Bet UMa	2.3650	10600.	98	40509	No
33	GOM_NL__2PRFIN20091129_021031_000000422084_00375_40509_3423.N1	29-NOV-2009 02:10:31	Bright	41.500	87	64Gam UMa	2.4330	11000.	83	40509	No
34	GOM_NL__2PRFIN20091129_021314_000000502084_00375_40509_3424.N1	29-NOV-2009 02:13:14	Bright	49.500	174	52Psi UMa	3.0040	4400.0	99	40509	No
35	GOM_NL__2PRFIN20091129_021546_000000572084_00375_40509_3425.N1	29-NOV-2009 02:15:46	Bright	57.000	152	12Alp2CVn	2.8900	11000.	114	40509	No
36	GOM_NL__2PRFIN20091129_022504_000000762084_00375_40509_3426.N1	29-NOV-2009 02:25:04	Bright	76.000	62	94Bet Leo	2.1360	9700.0	152	40509	No
37	GOM_NL__2PRFIN20091129_022824_000000602084_00375_40509_3427.N1	29-NOV-2009 02:28:24	Bright	60.000	121	29Gam Vir	2.7400	7200.0	120	40509	No
38	GOM_NL__2PRFIN20091129_023533_000000502084_00375_40509_3428.N1	29-NOV-2009 02:35:33	Dark	50.000	171	2Eps Crv	3.0010	4250.0	100	40509	No
39	GOM_NL__2PRFIN20091129_024502_000000432084_00376_40510_3436.N1	29-NOV-2009 02:45:02	Dark	43.000	113	Mu Vel	2.6920	5000.0	86	40510	No
40	GOM_NL__2PRFIN20091129_025336_000000622084_00376_40510_3437.N1	29-NOV-2009 02:53:36	Dark	62.000	34	Gam2Vel	1.7930	23000.	124	40510	No
41	GOM_NL__2PRFIN20091129_025517_000000572084_00376_40510_3438.N1	29-NOV-2009 02:55:17	Dark	56.500	70	Zet Pup	2.2460	39000.	113	40510	No
42	GOM_NL__2PRFIN20091129_025851_000000632084_00376_40510_3439.N1	29-NOV-2009 02:58:51	Dark	63.000	117	Pi Pup	2.7060	3800.0	126	40510	No

338	GOM_NL__2PRFIN20091129_230612_000000632084_00388_40522_3567.N1	29-NOV-2009 23:06:12	Dark	63.000	117	Pi Pup	2.7060	3800.0	126	40522	No
339	GOM_NL__2PRFIN20091129_231003_000000662084_00388_40522_3568.N1	29-NOV-2009 23:10:03	Dark	66.000	23	21Eps CMa	1.5020	26000.	132	40522	No
340	GOM_NL__2PRFIN20091129_231640_000000572084_00388_40522_3569.N1	29-NOV-2009 23:16:40	Straylight	56.500	101	11Alp Lep	2.5820	7000.0	113	40522	No
341	GOM_NL__2PRFIN20091129_232020_000000582084_00388_40522_3570.N1	29-NOV-2009 23:20:20	Straylight	58.000	7	19Bet Ori	0.10000	14000.	116	40522	No
342	GOM_NL__2PRFIN20091129_232342_000000552084_00388_40522_3571.N1	29-NOV-2009 23:23:42	Twilight_stray	55.000	72	34Del Ori	2.2500	30000.	110	40522	No
343	GOM_NL__2PRFIN20091129_232611_000000652084_00388_40522_3572.N1	29-NOV-2009 23:26:11	Twilight_stray	65.000	27	24Gam Ori	1.6360	26000.	130	40522	No
344	GOM_NL__2PRFIN20091129_232824_000000572084_00388_40522_3573.N1	29-NOV-2009 23:28:24	Bright	56.500	13	87Alp Tau	0.86700	3800.0	113	40522	No
345	GOM_NL__2PRFIN20091129_232957_000000422084_00388_40522_3574.N1	29-NOV-2009 23:29:57	Bright	41.500	146	25Eta Tau	2.8730	15200.	83	40522	No
346	GOM_NL__2PRFIN20091129_233221_000000392084_00388_40522_3575.N1	29-NOV-2009 23:32:21	Bright	39.000	150	44Zet Per	2.8900	28000.	78	40522	No
347	GOM_NL__2PRFIN20091129_233447_000000372084_00388_40522_3576.N1	29-NOV-2009 23:34:47	Bright	37.000	149	45Eps Per	2.8880	30000.	74	40522	No
348	GOM_NL__2PRFIN20091129_233845_000000472084_00388_40522_3577.N1	29-NOV-2009 23:38:45	Bright	46.500	6	13Alp Aur	0.080000	3400.0	93	40522	No
349	GOM_NL__2PRFIN20091129_234039_000000482084_00388_40522_3578.N1	29-NOV-2009 23:40:39	Bright	47.500	42	34Bet Aur	1.9000	10200.	95	40522	No
350	GOM_NL__2PRFIN20091129_235453_000000492084_00388_40522_3579.N1	29-NOV-2009 23:54:53	Bright	48.500	36	50Alp UMa	1.8000	6300.0	97	40522	No
351	GOM_NL__2PRFIN20091129_235630_000000672084_00388_40522_3580.N1	29-NOV-2009 23:56:30	Bright	67.000	82	48Bet UMa	2.3650	10600.	134	40522	No
352	GOM_NL__2PRFIN20091129_235802_000000412084_00388_40522_3581.N1	29-NOV-2009 23:58:02	Bright	40.500	32	77Eps UMa	1.7630	11000.	81	40522	No

3. Quality information per product

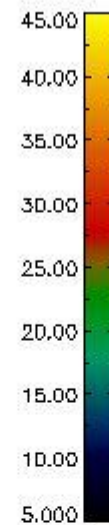
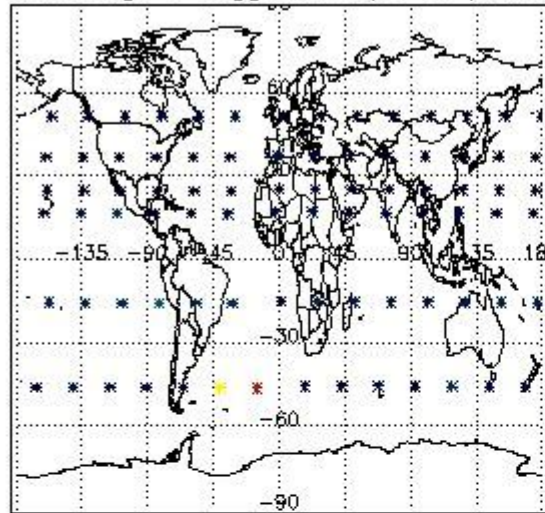
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

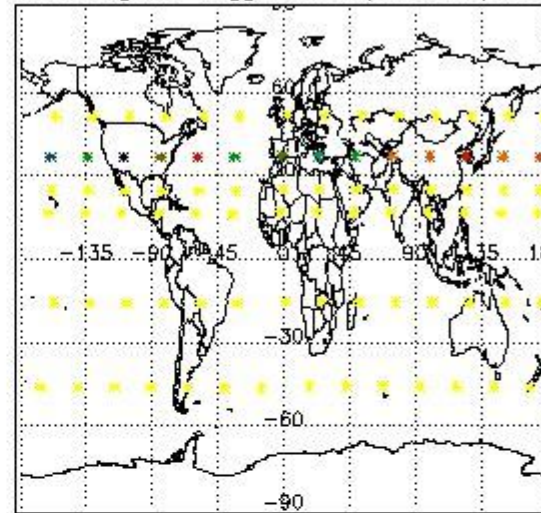


3.2 Plot quality information per product (world map)

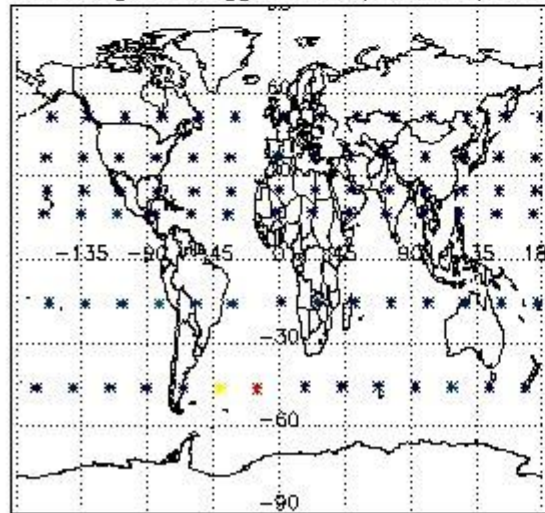
Percentage of flagged data per O3 profile



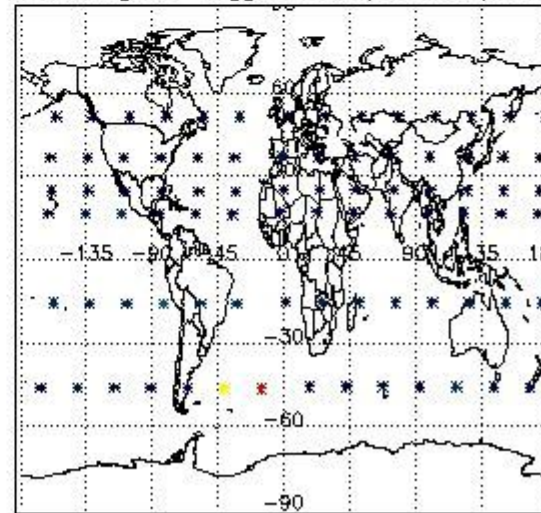
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

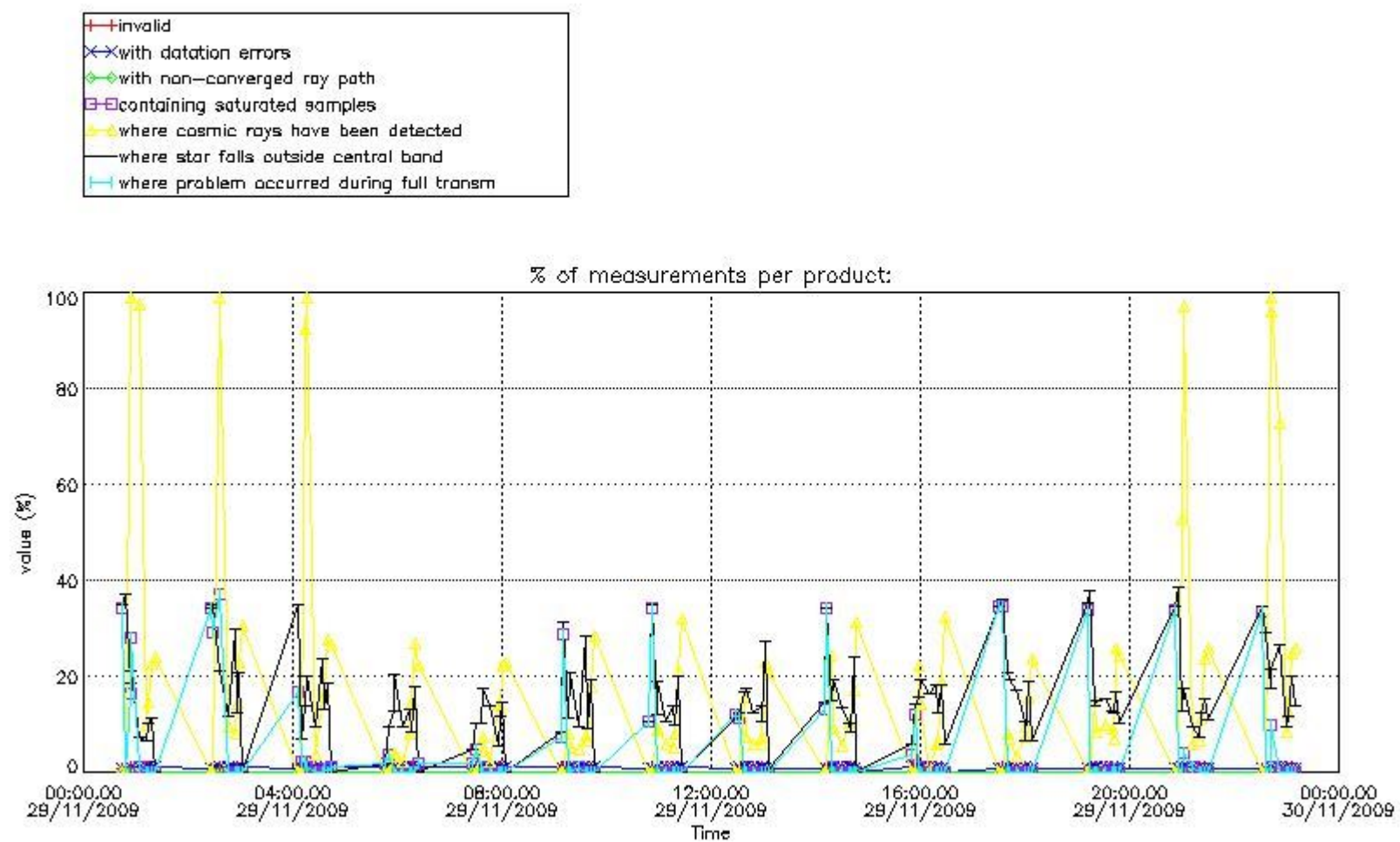


4. Level 1 quality information per product

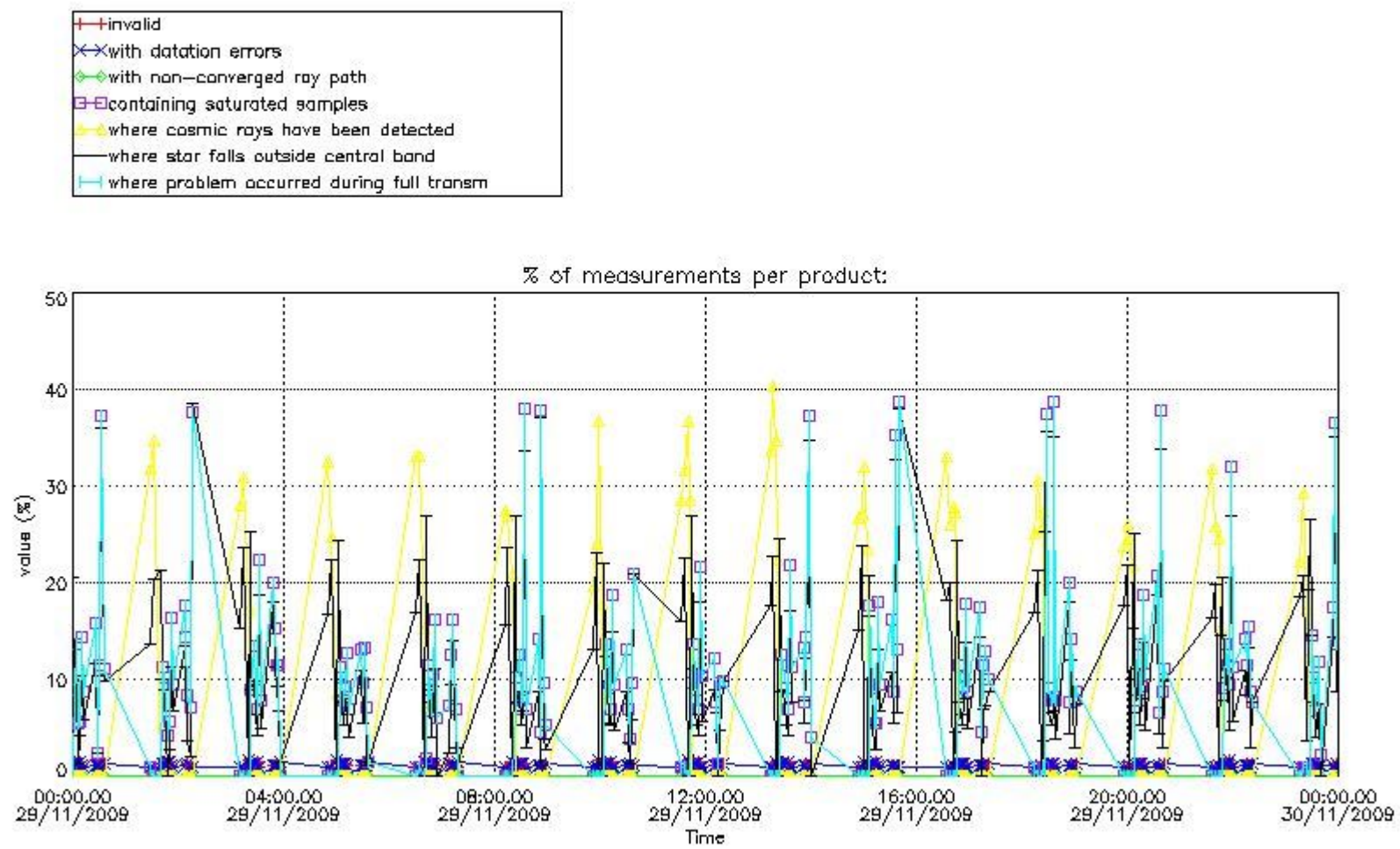
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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

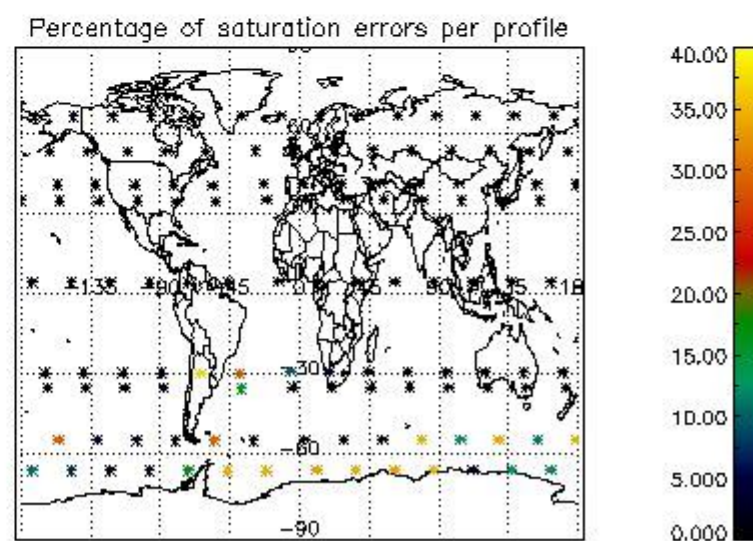
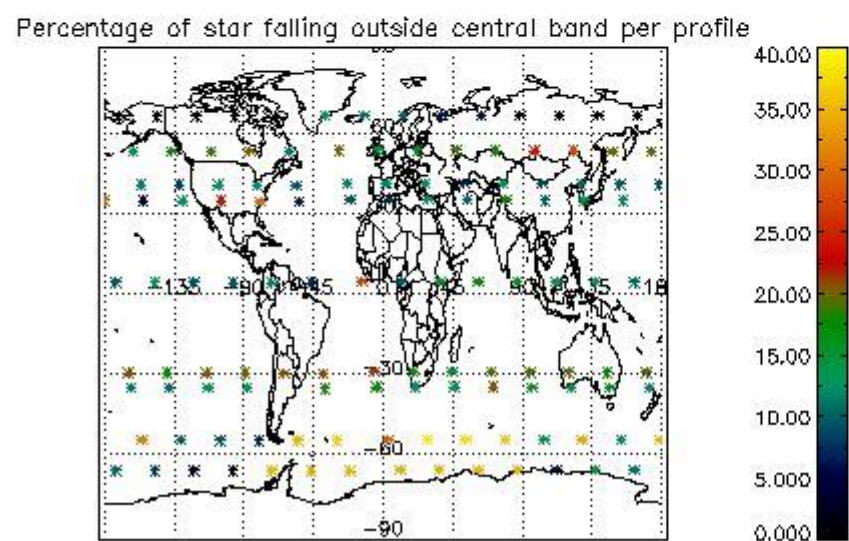
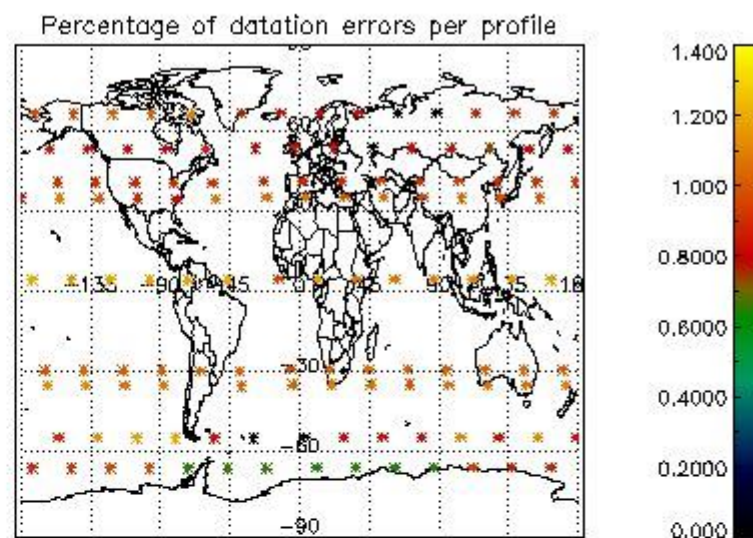
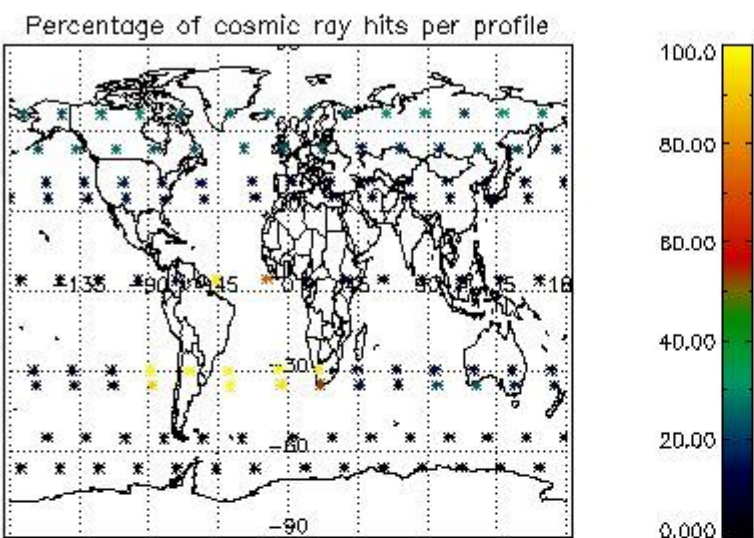


4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes

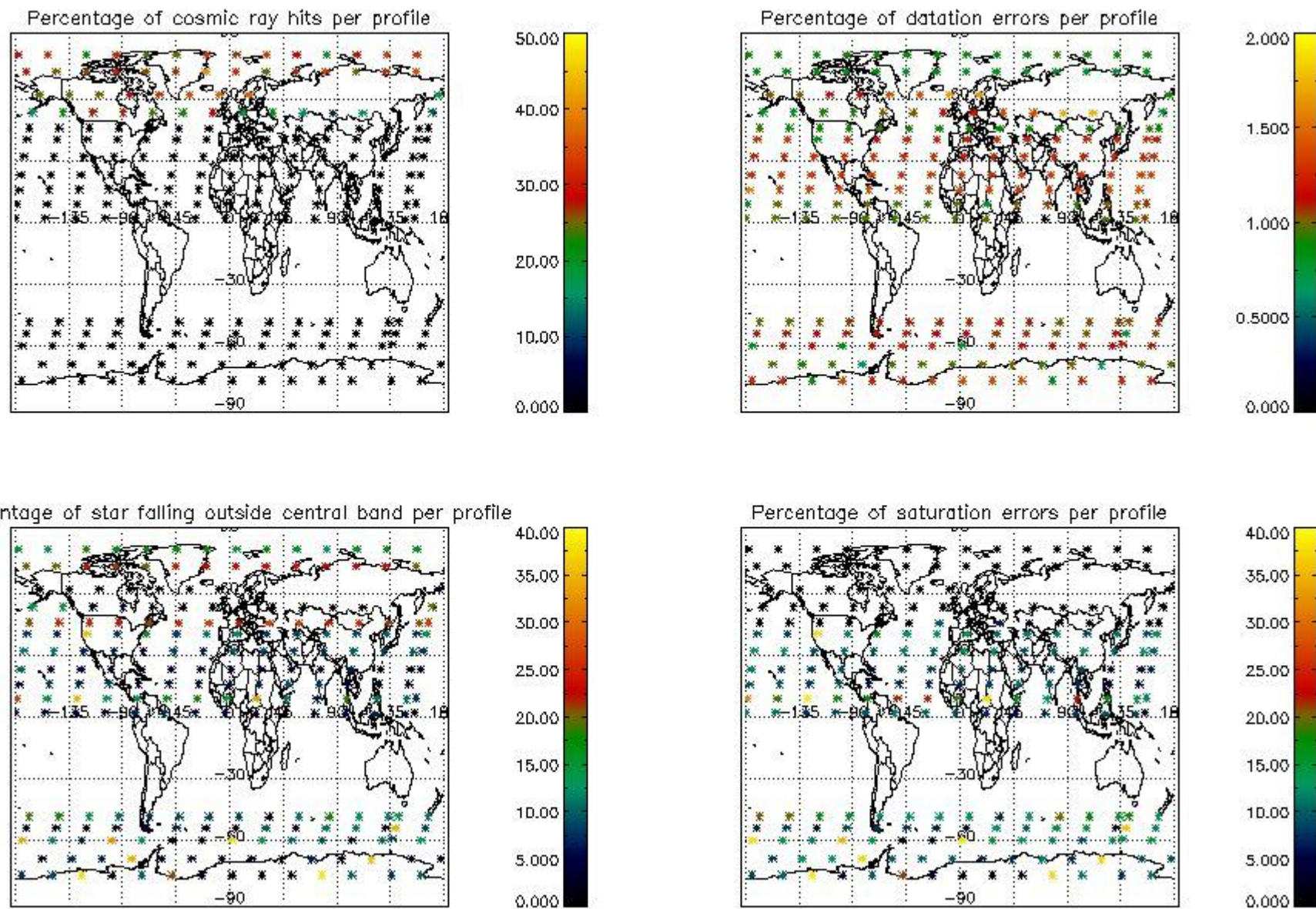


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/o3_std of the level 2 products. The table below shows the statistics for given STD ranges.

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

- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

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

- Products in dark limb illumination condition: GOM_NL__2P/NL_SUMMARY_QUALITY/obs_ill_cond=0
- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

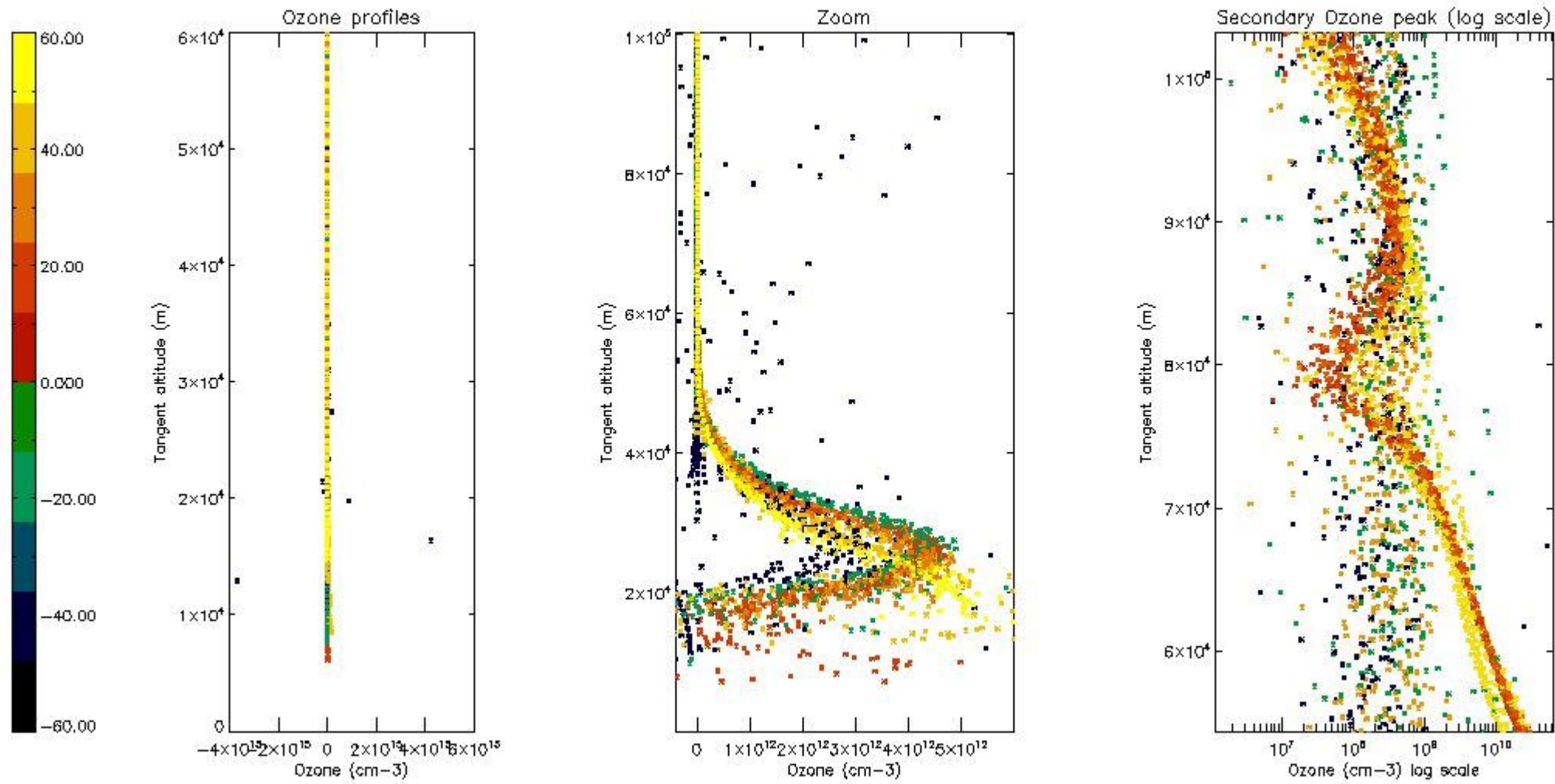
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	26
STD < 20	13

STD < 10	10
STD < 5	8

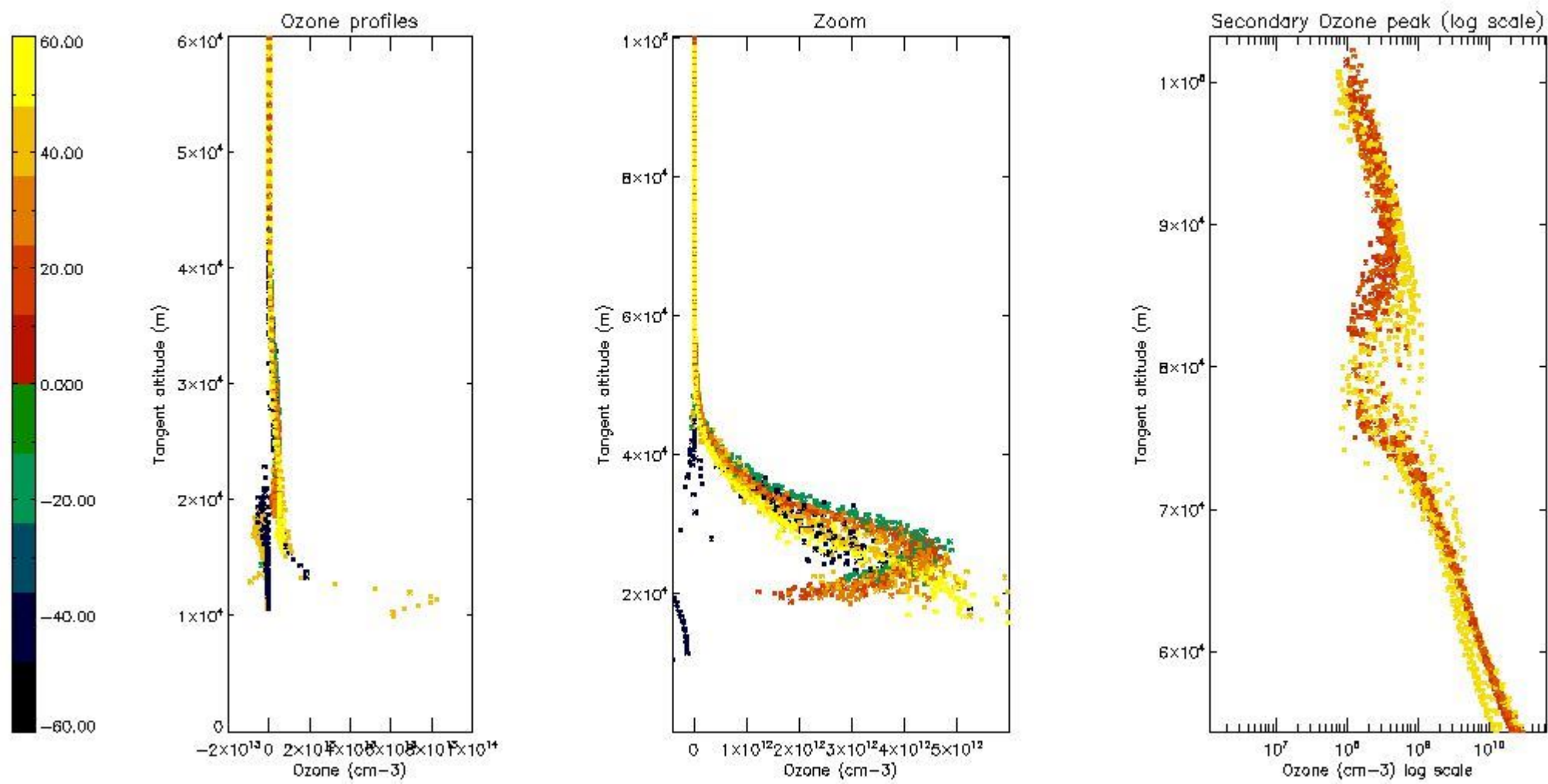
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



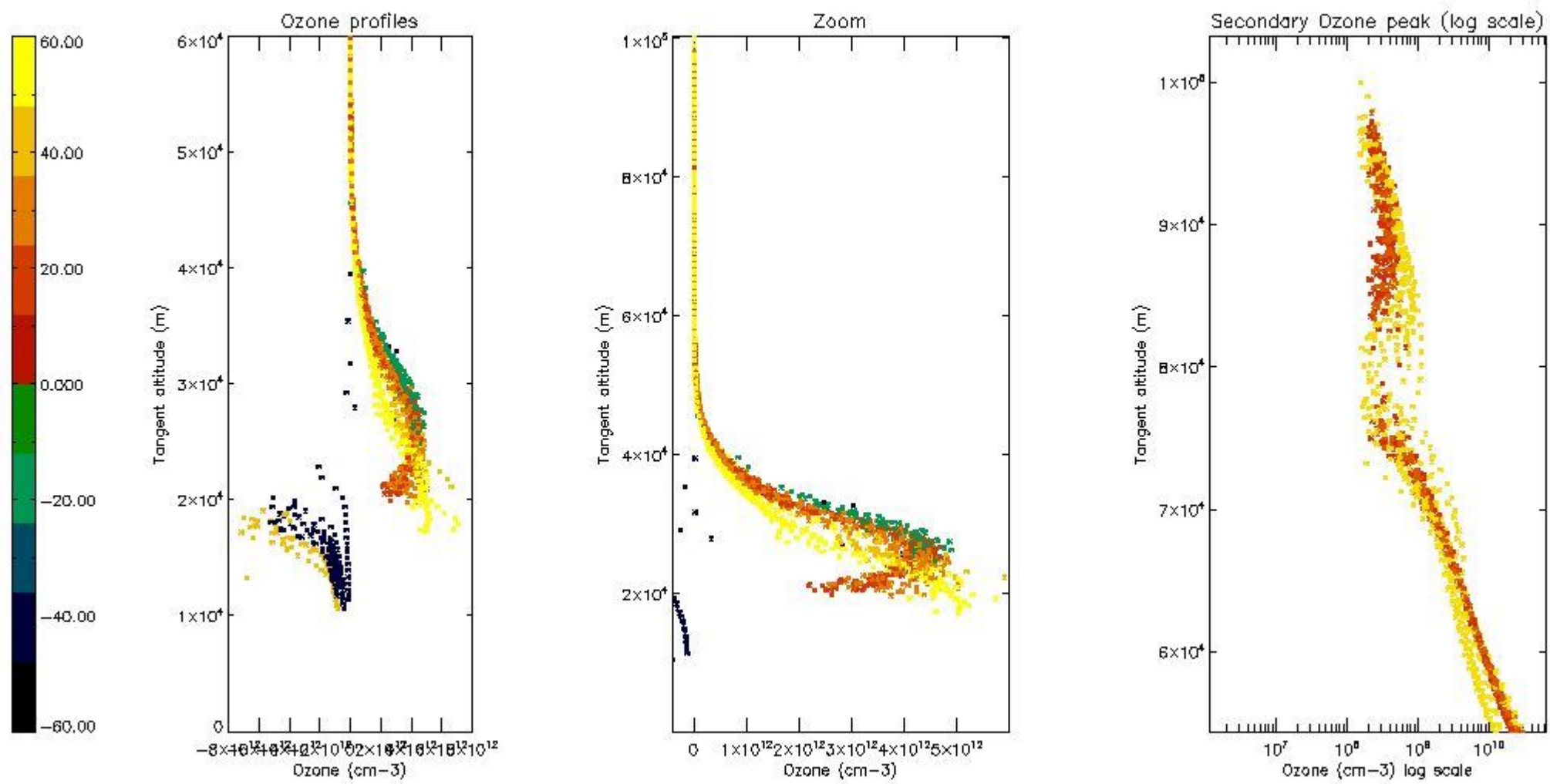
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



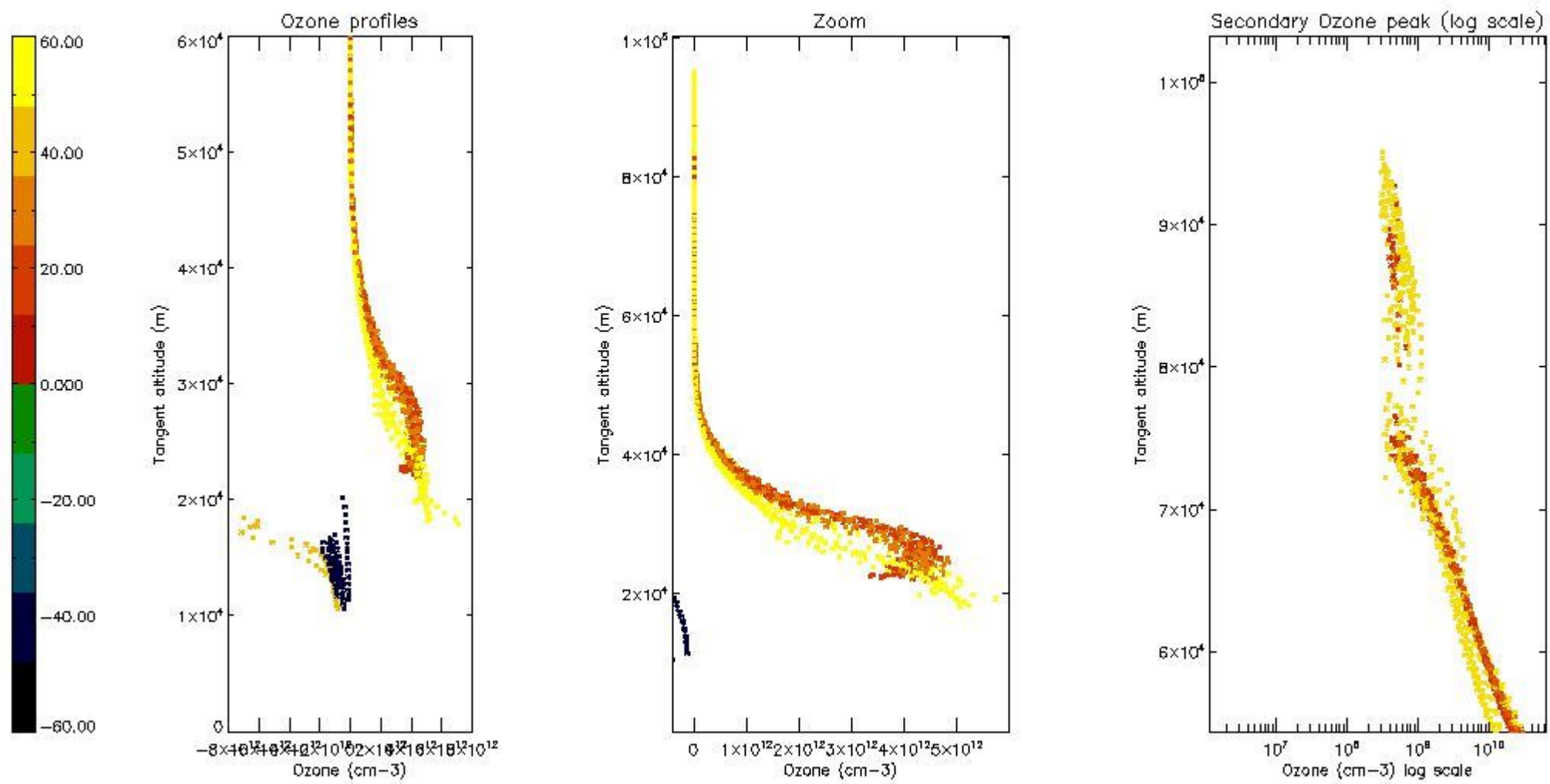
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



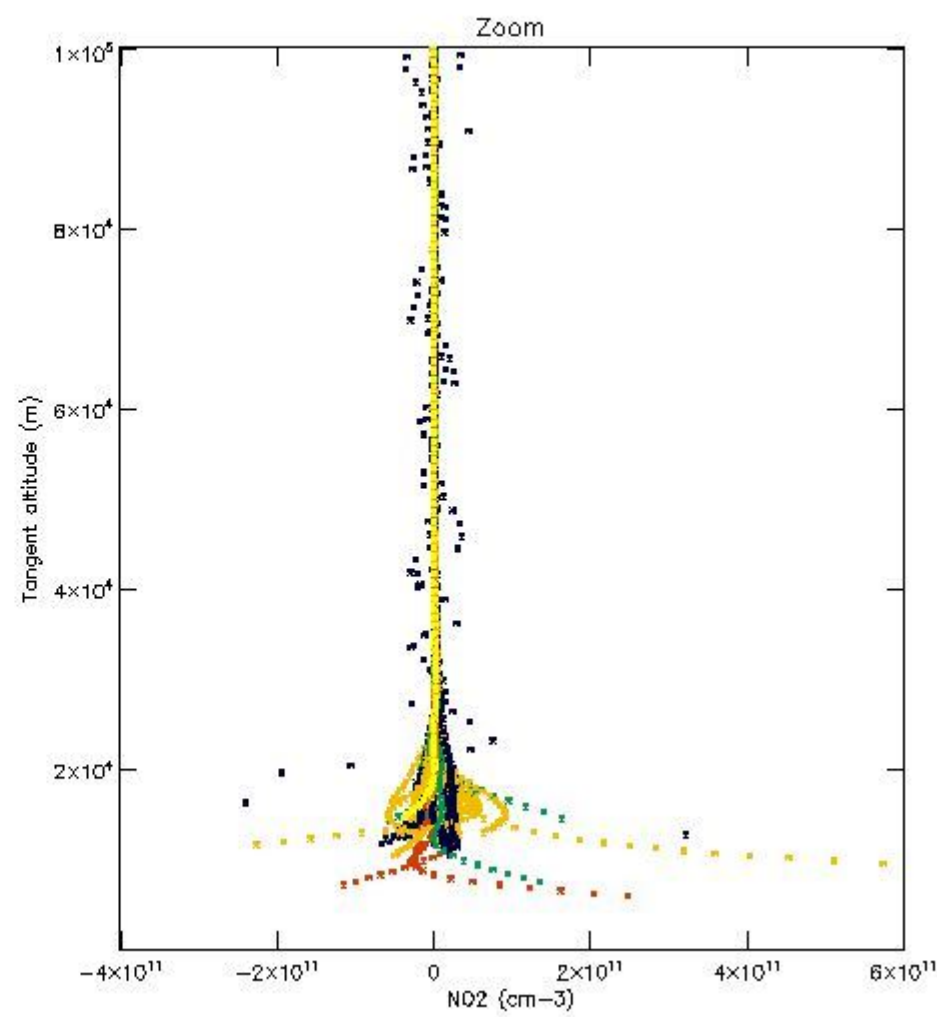
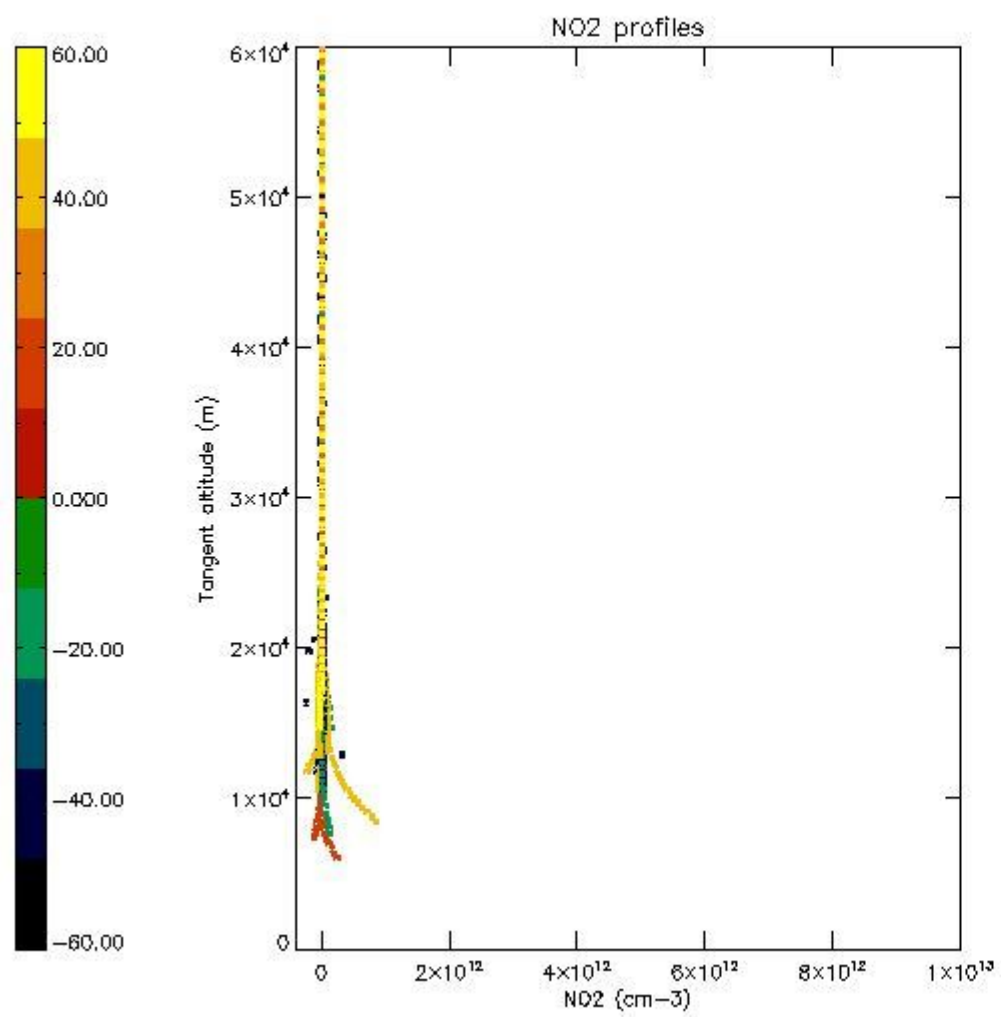
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



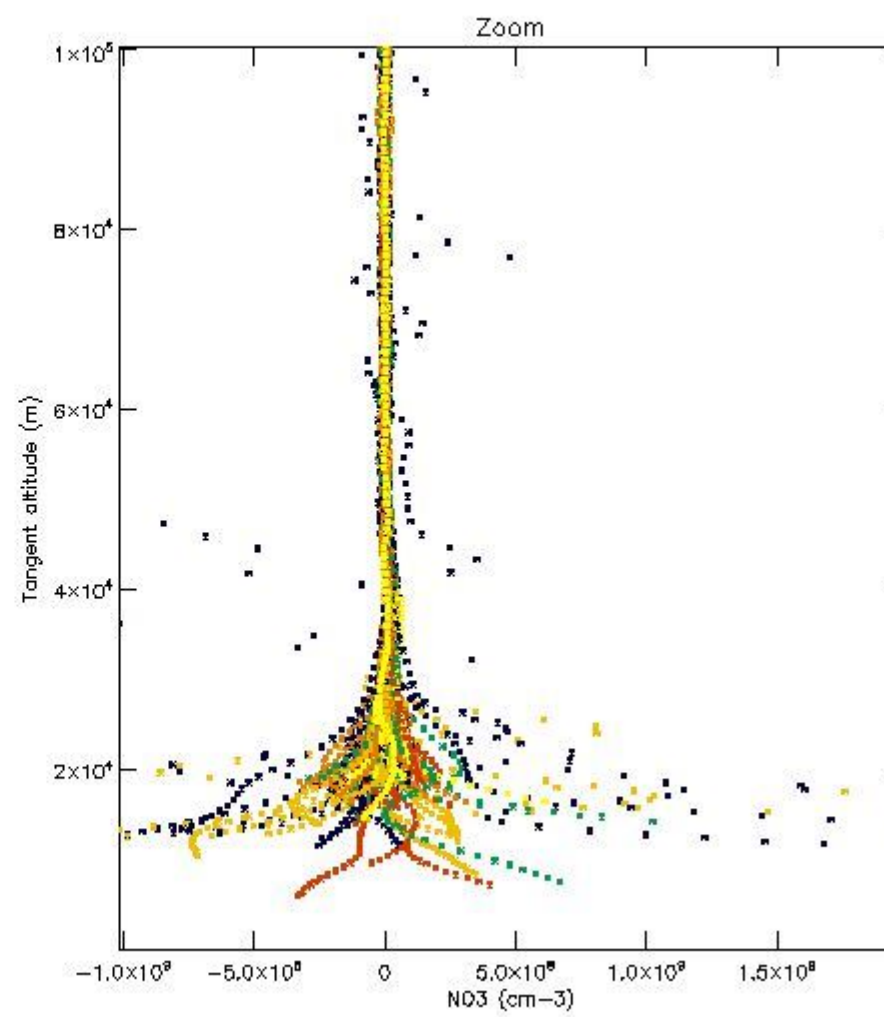
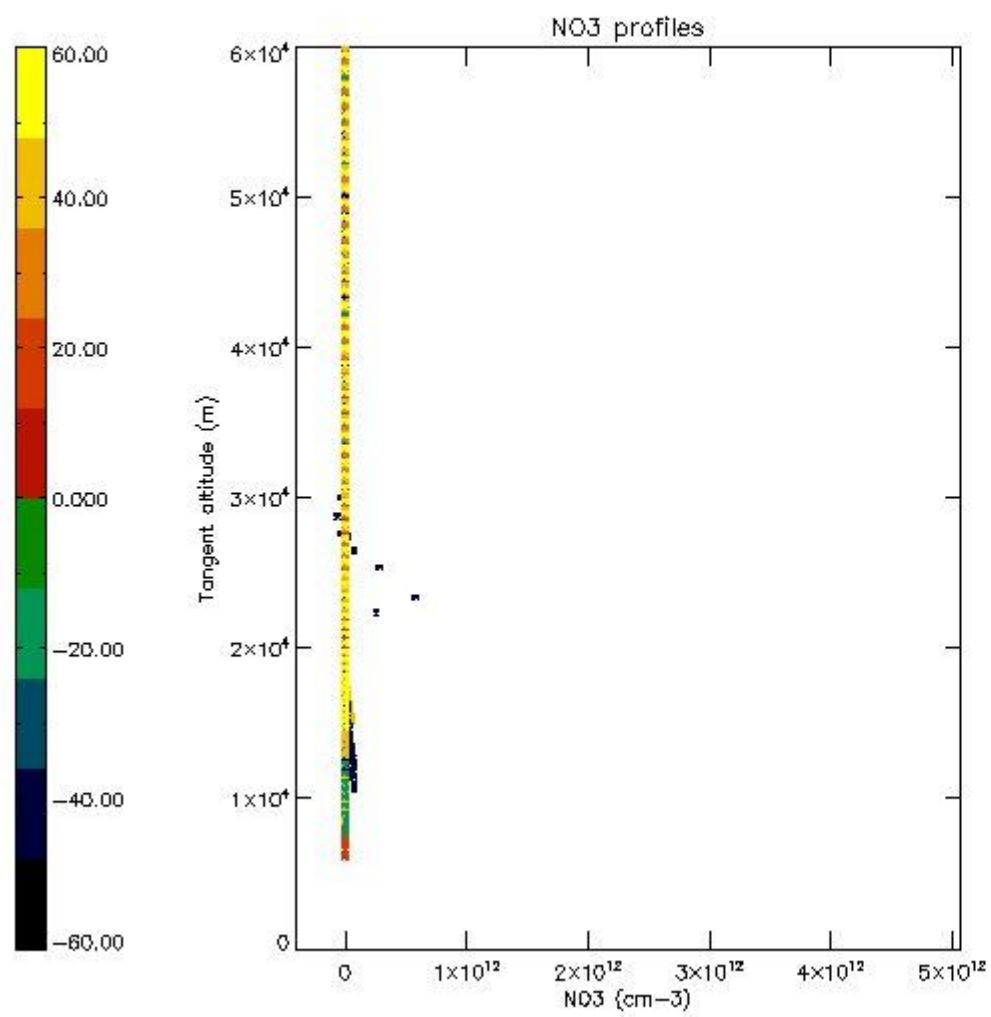
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



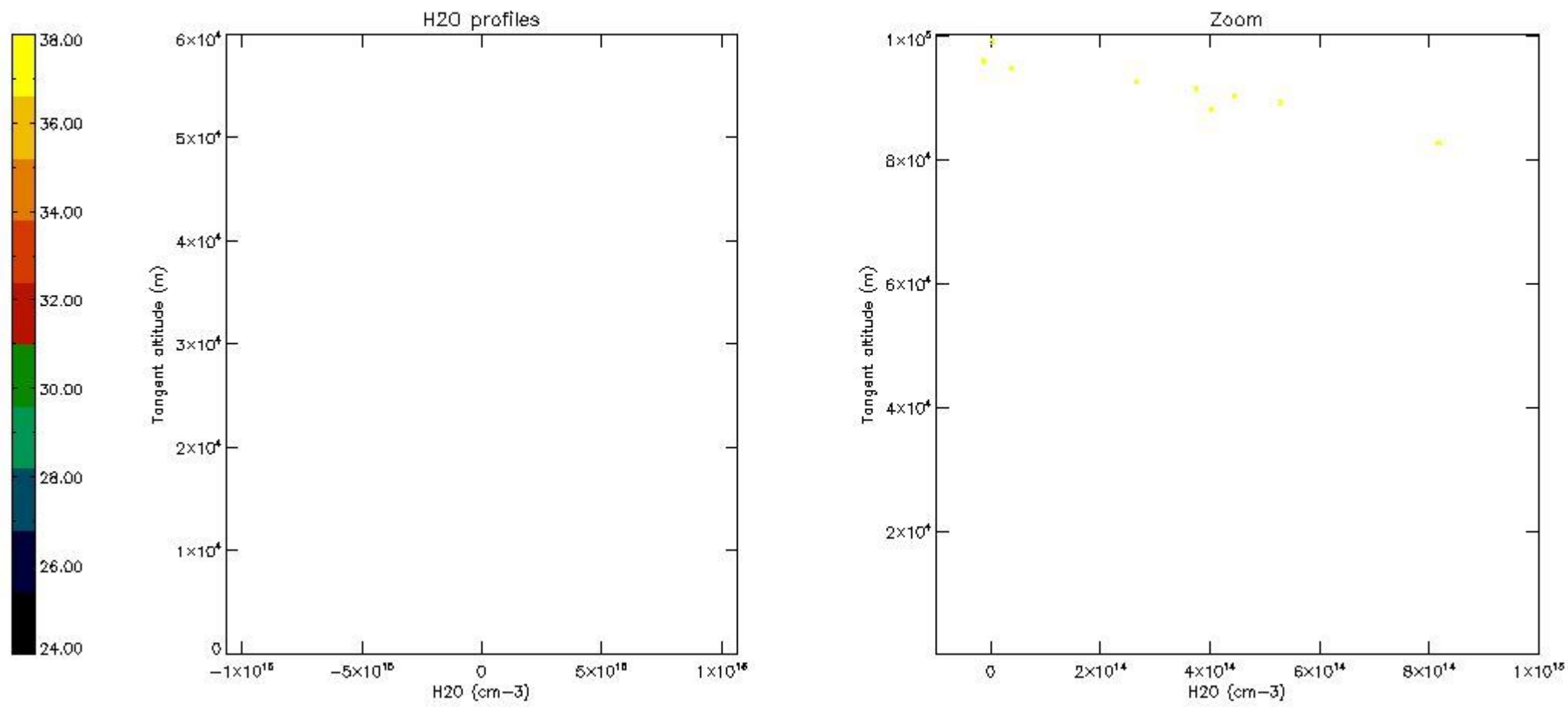
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

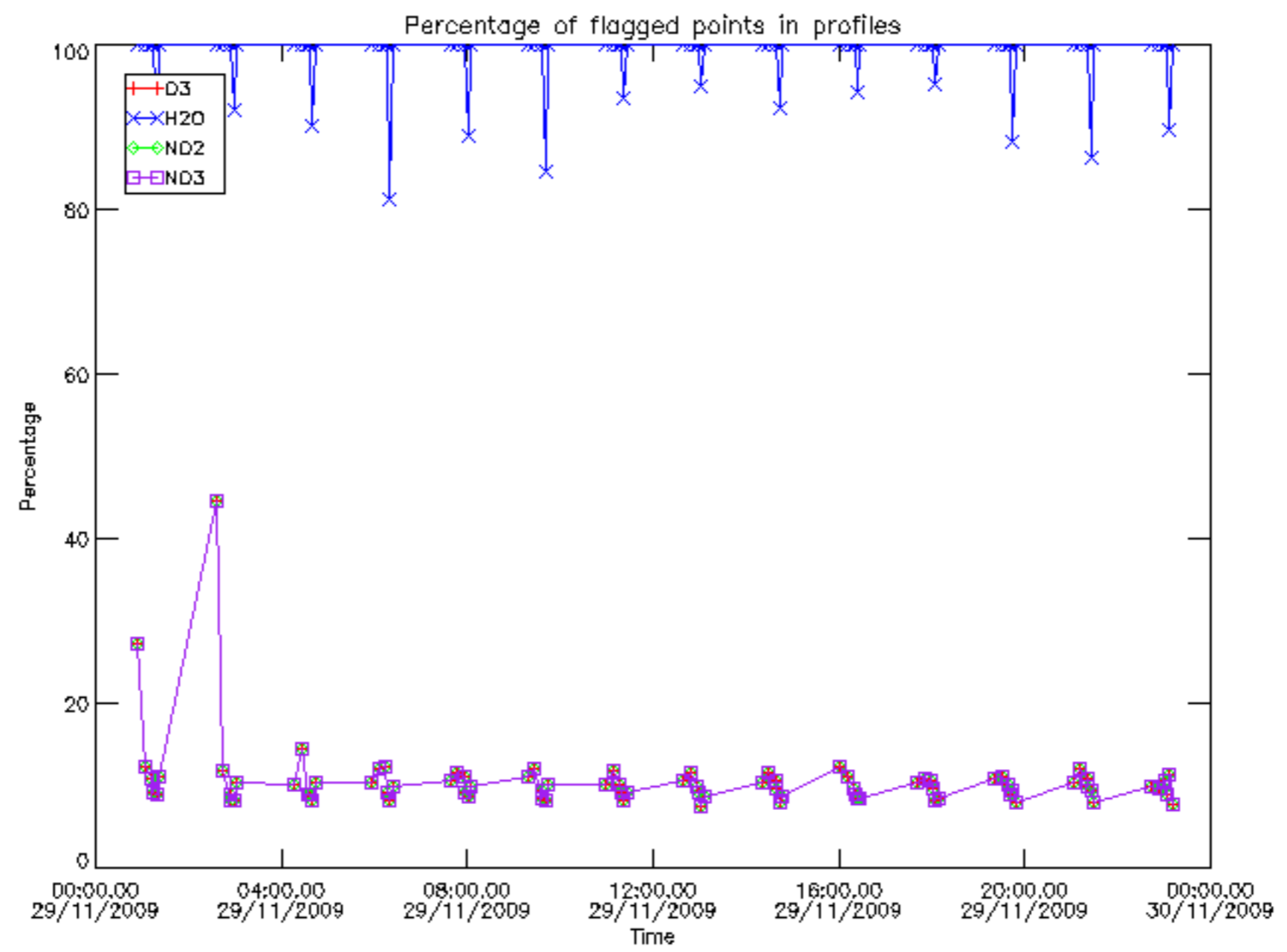
The colorbar represents the latitude.



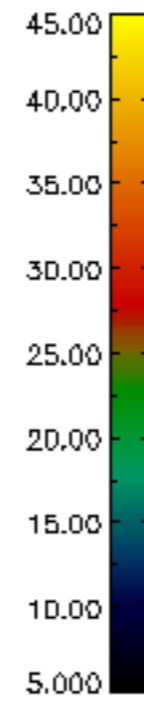
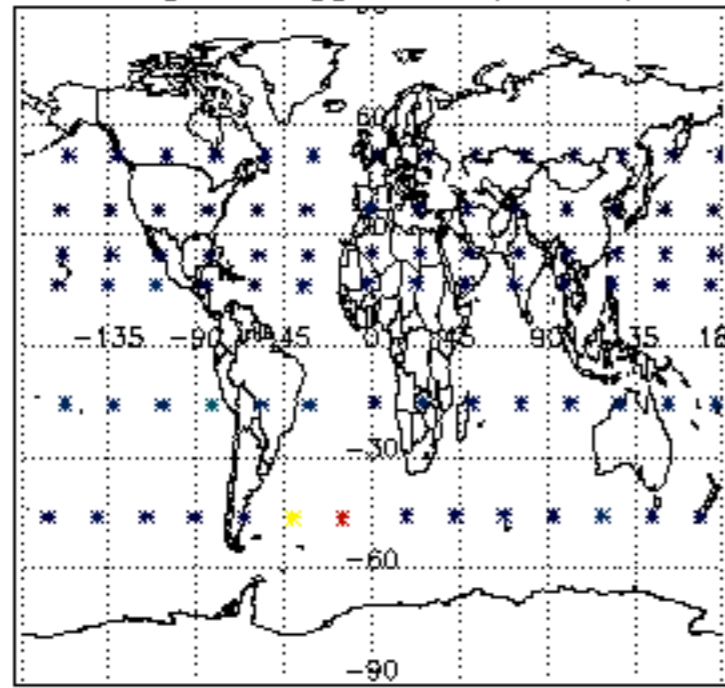
6. Auxiliary Data Files used for the production reported in section 2

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.

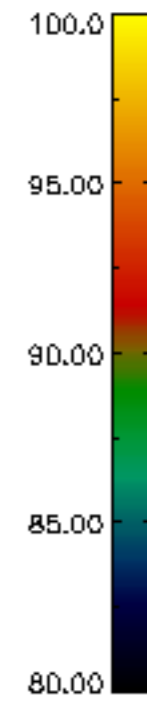
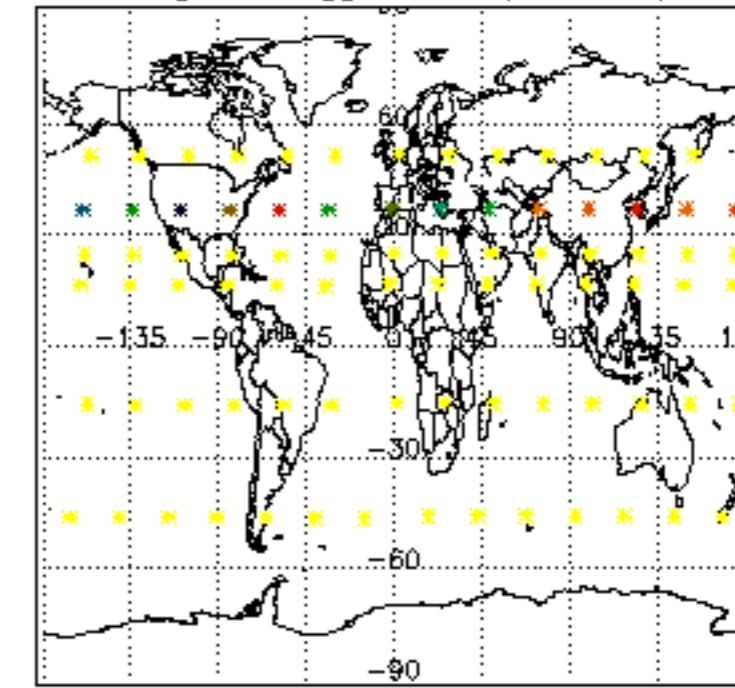
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	29-NOV-2009 00:00:07
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	29-NOV-2009 00:00:07
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	29-NOV-2009 00:00:07



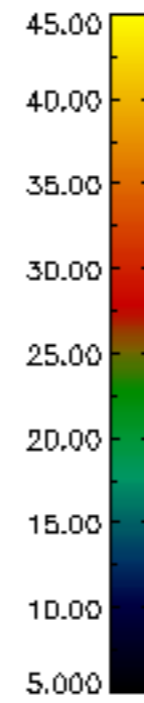
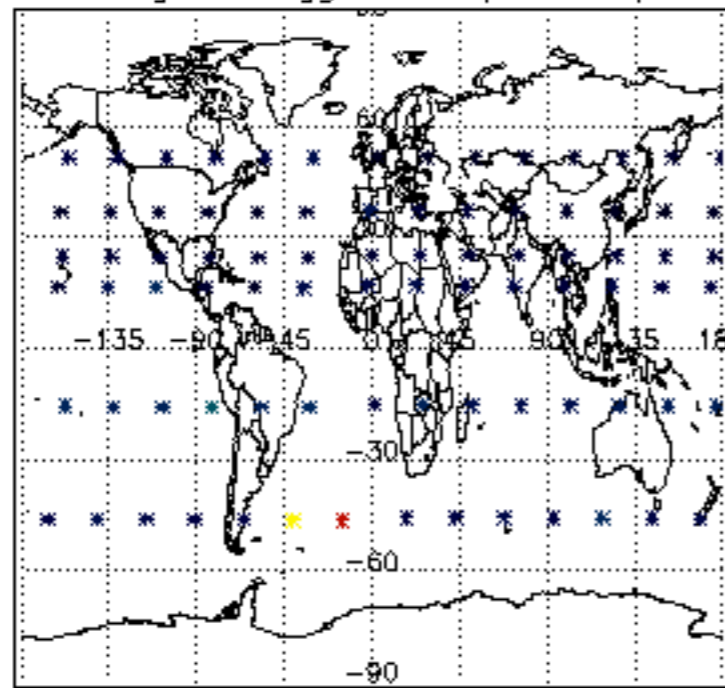
Percentage of flagged data per D3 profile



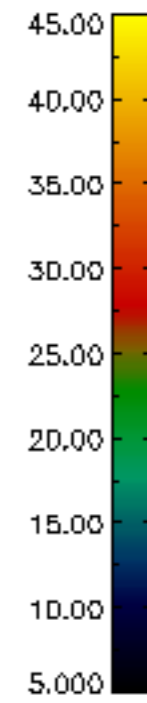
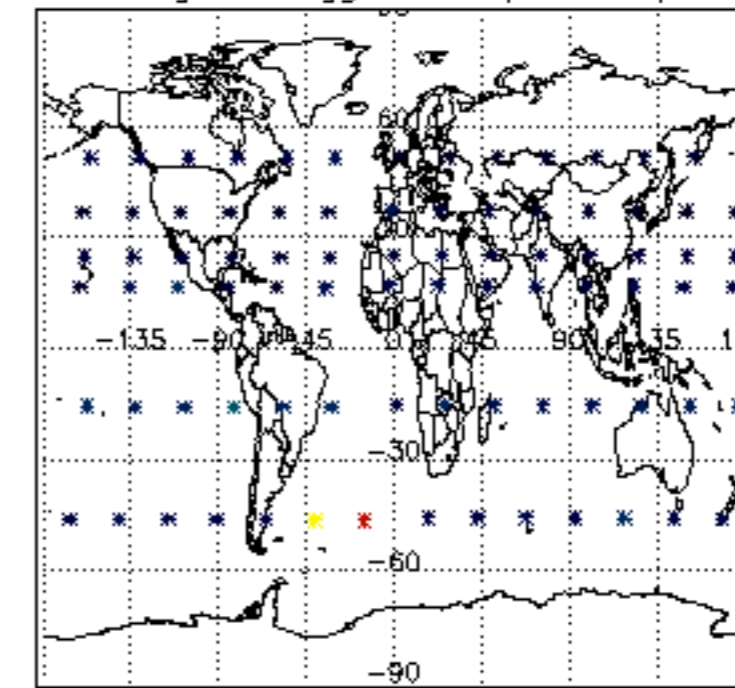
Percentage of flagged data per H2O profile

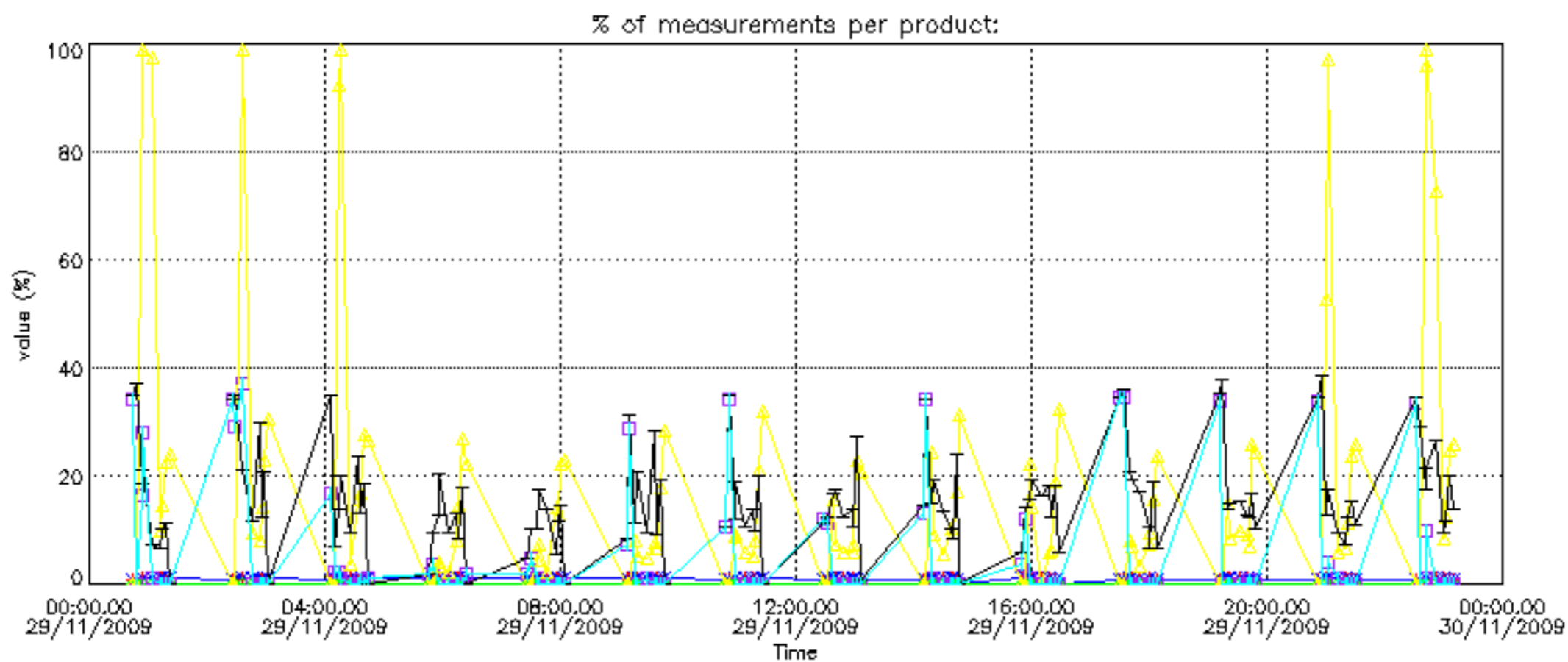


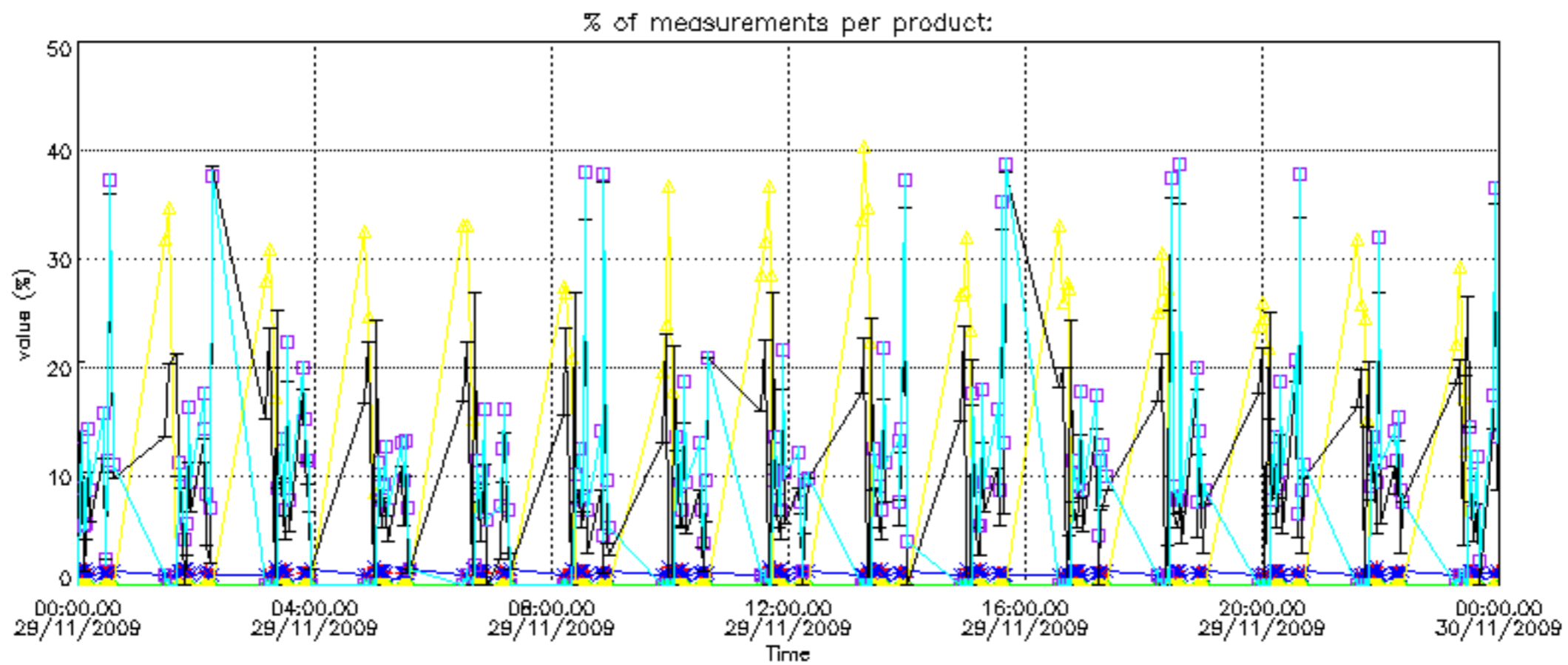
Percentage of flagged data per NO2 profile



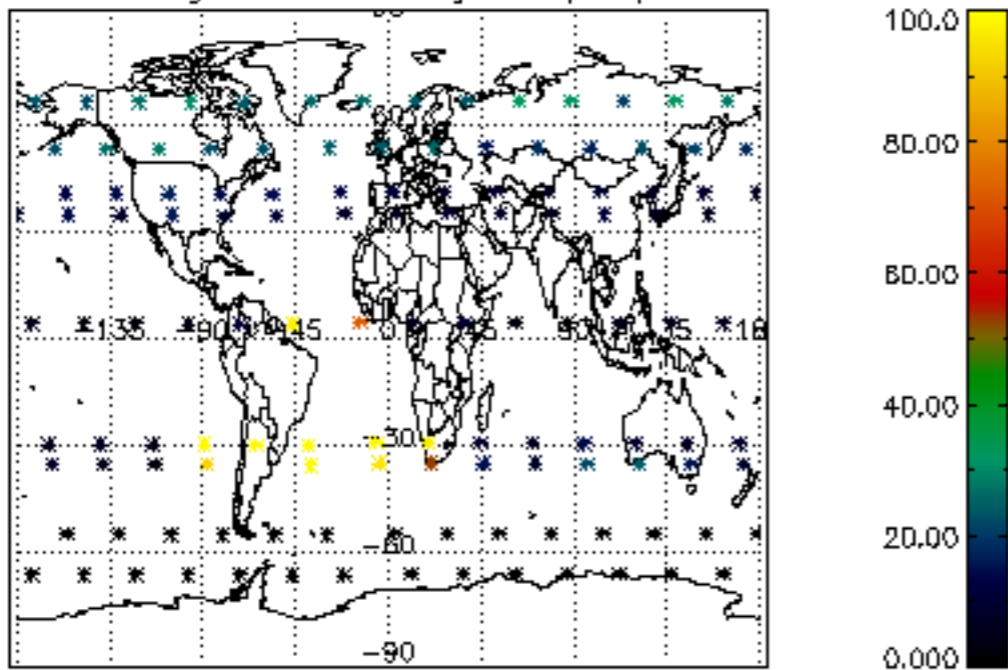
Percentage of flagged data per NO3 profile



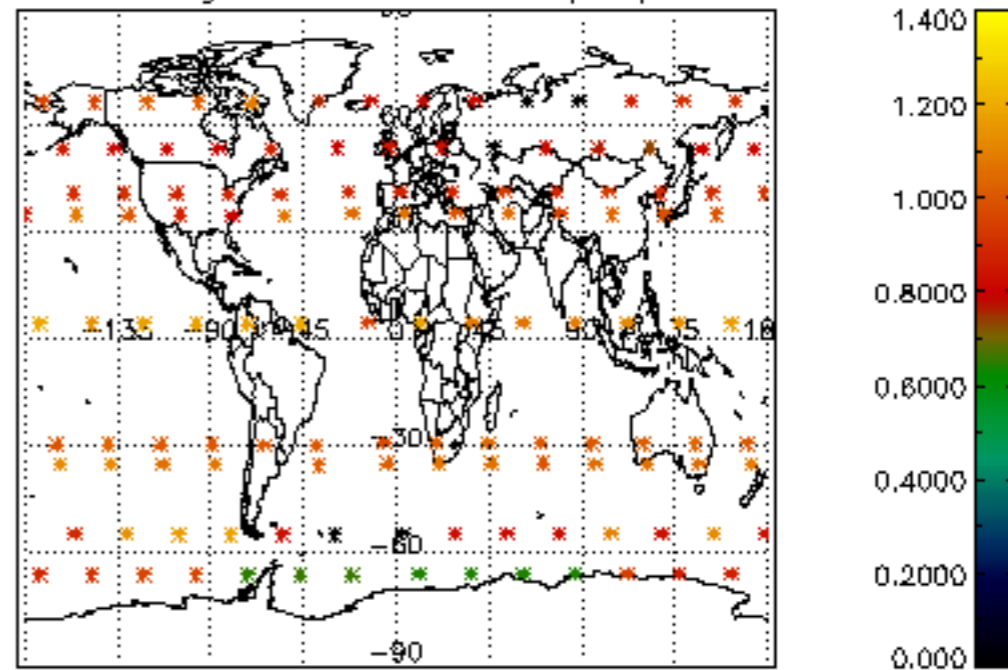




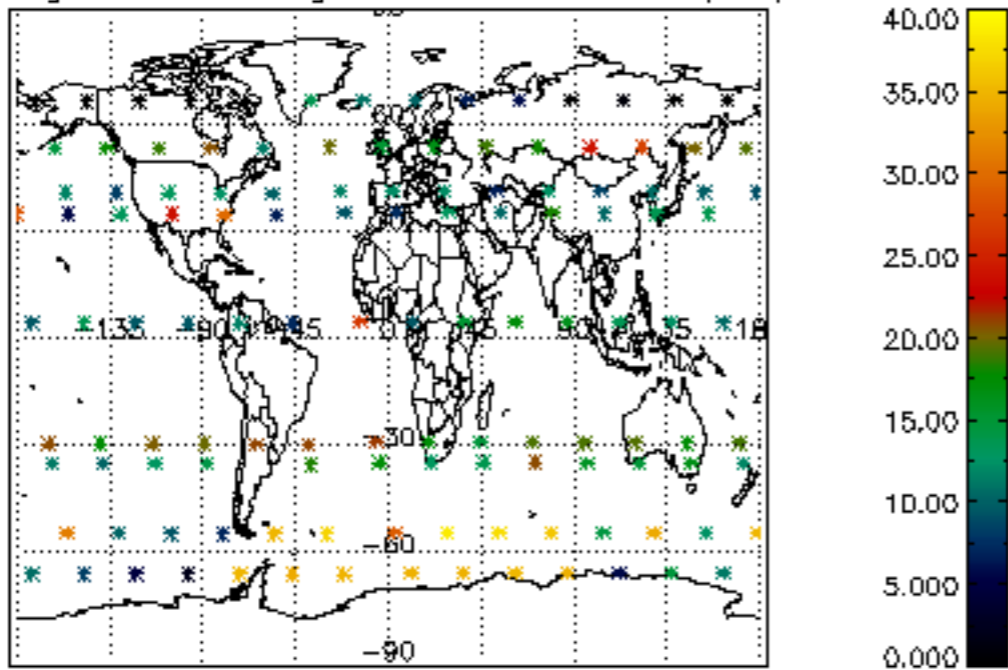
Percentage of cosmic ray hits per profile



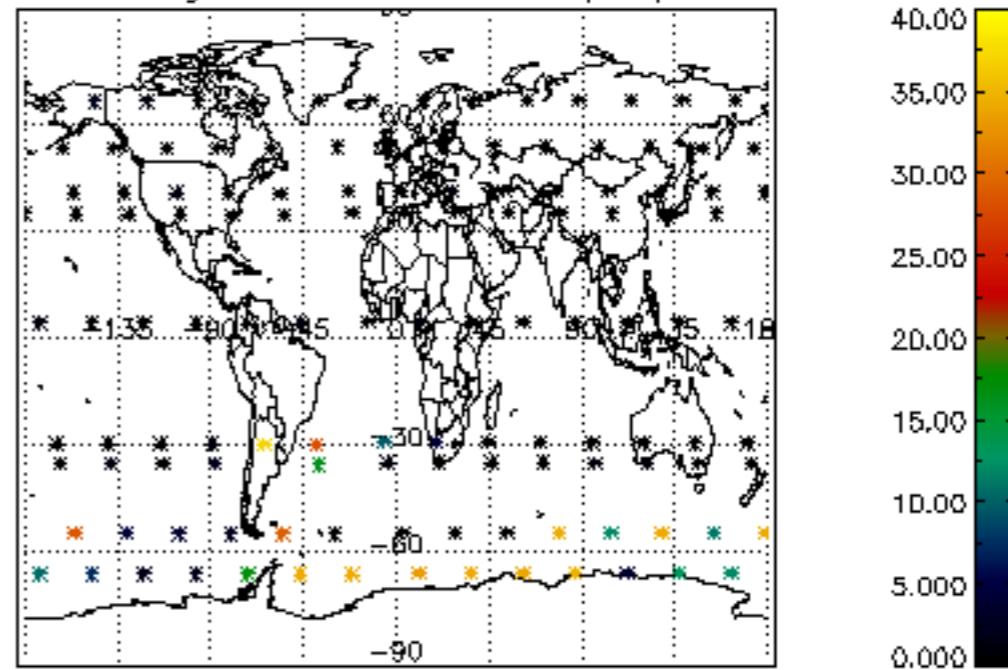
Percentage of datation errors per profile



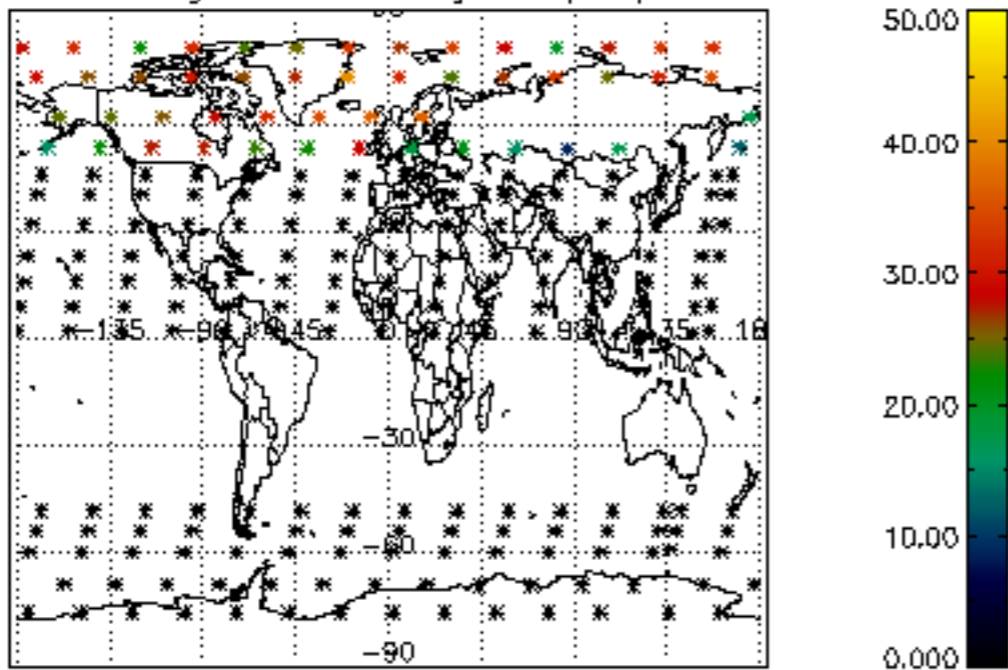
Percentage of star falling outside central band per profile



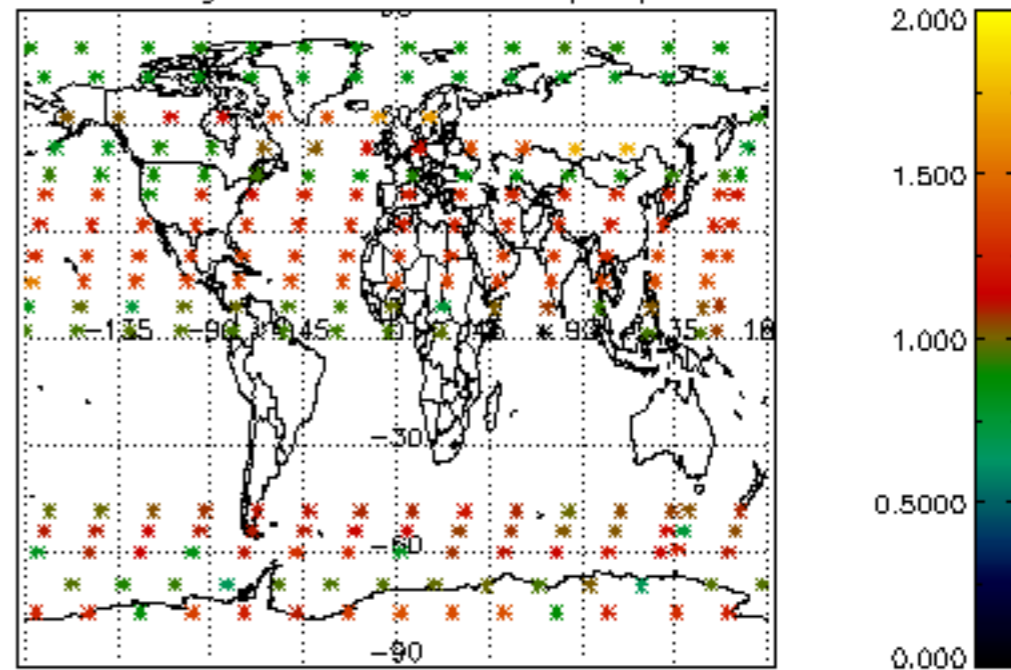
Percentage of saturation errors per profile



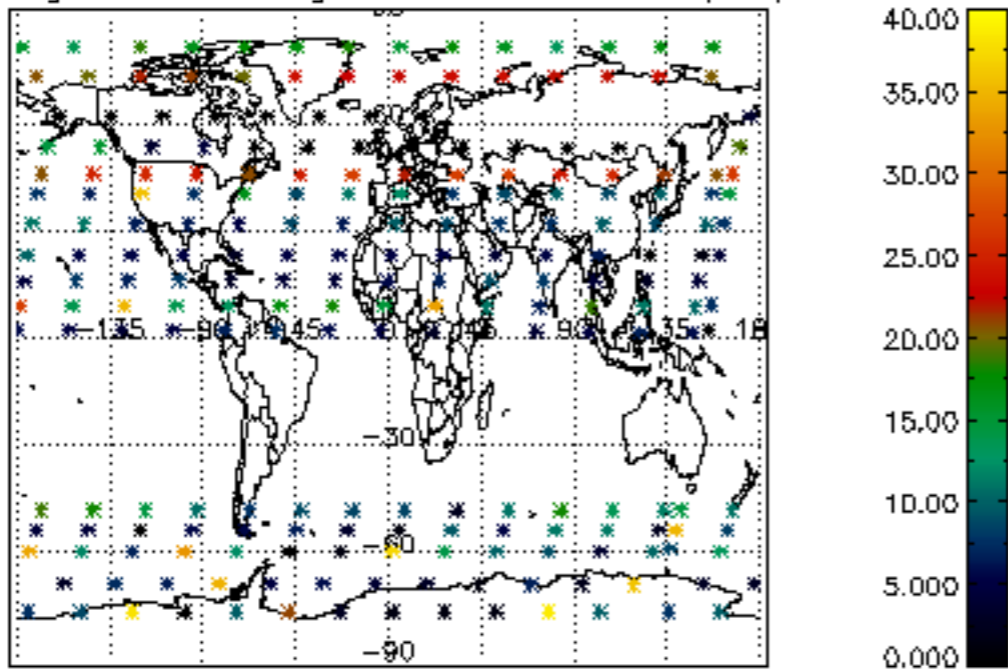
Percentage of cosmic ray hits per profile



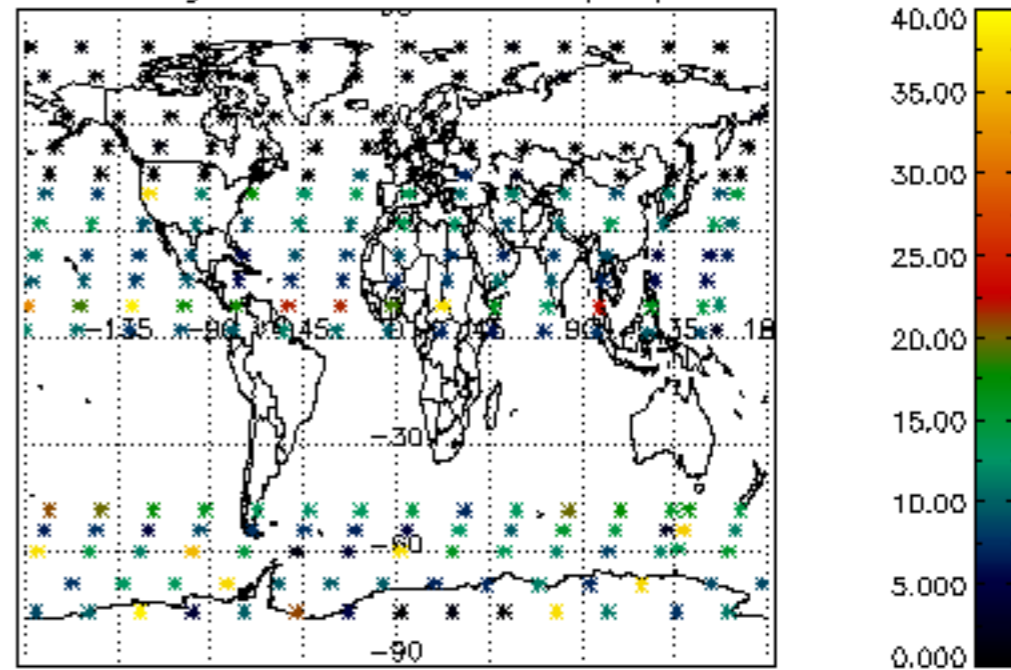
Percentage of datation errors per profile

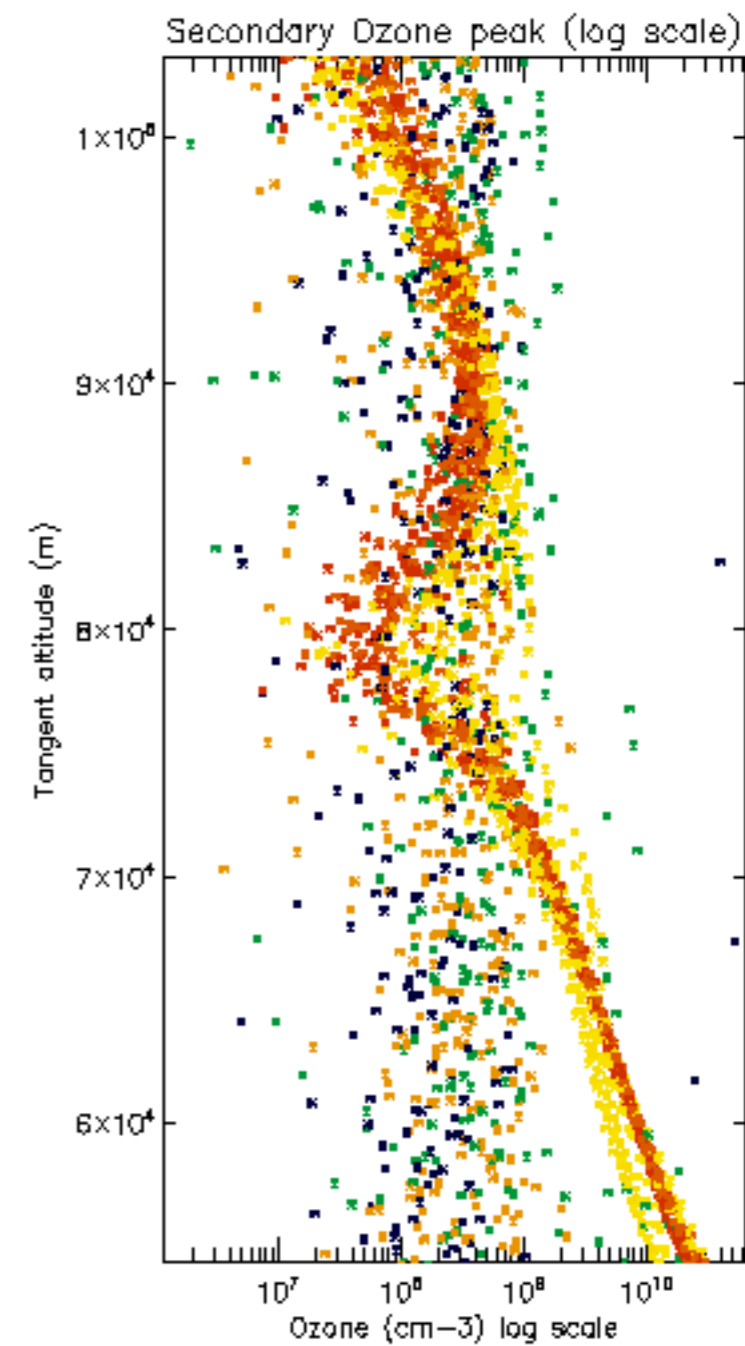
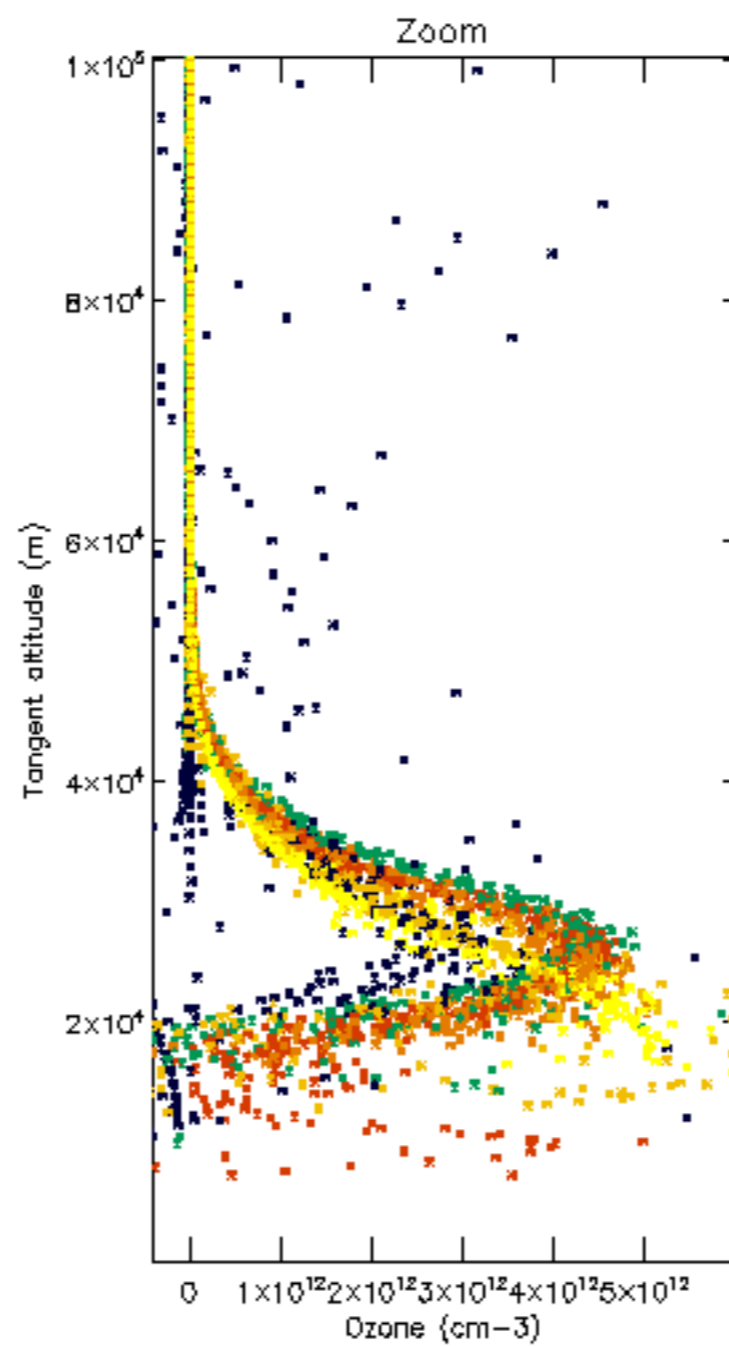
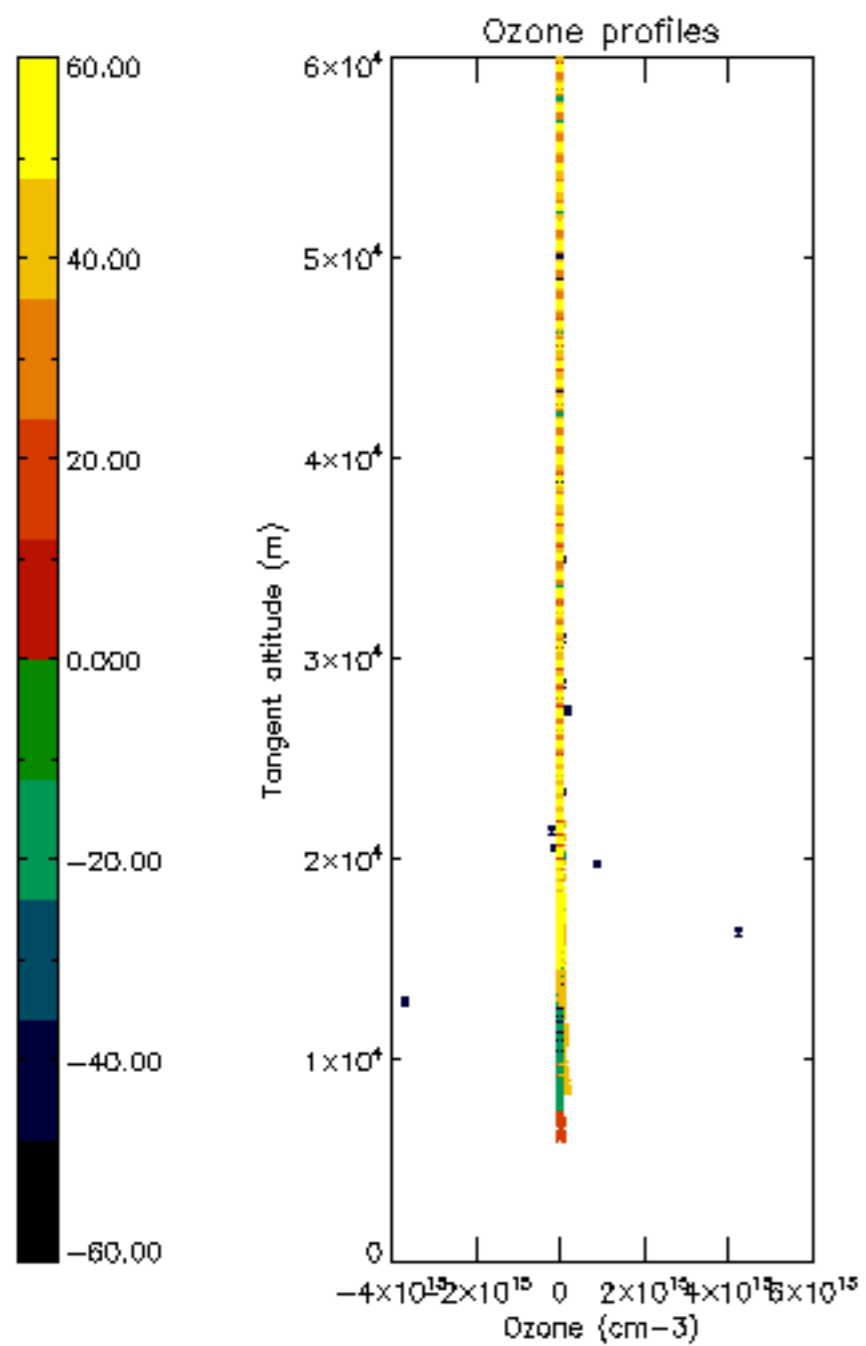


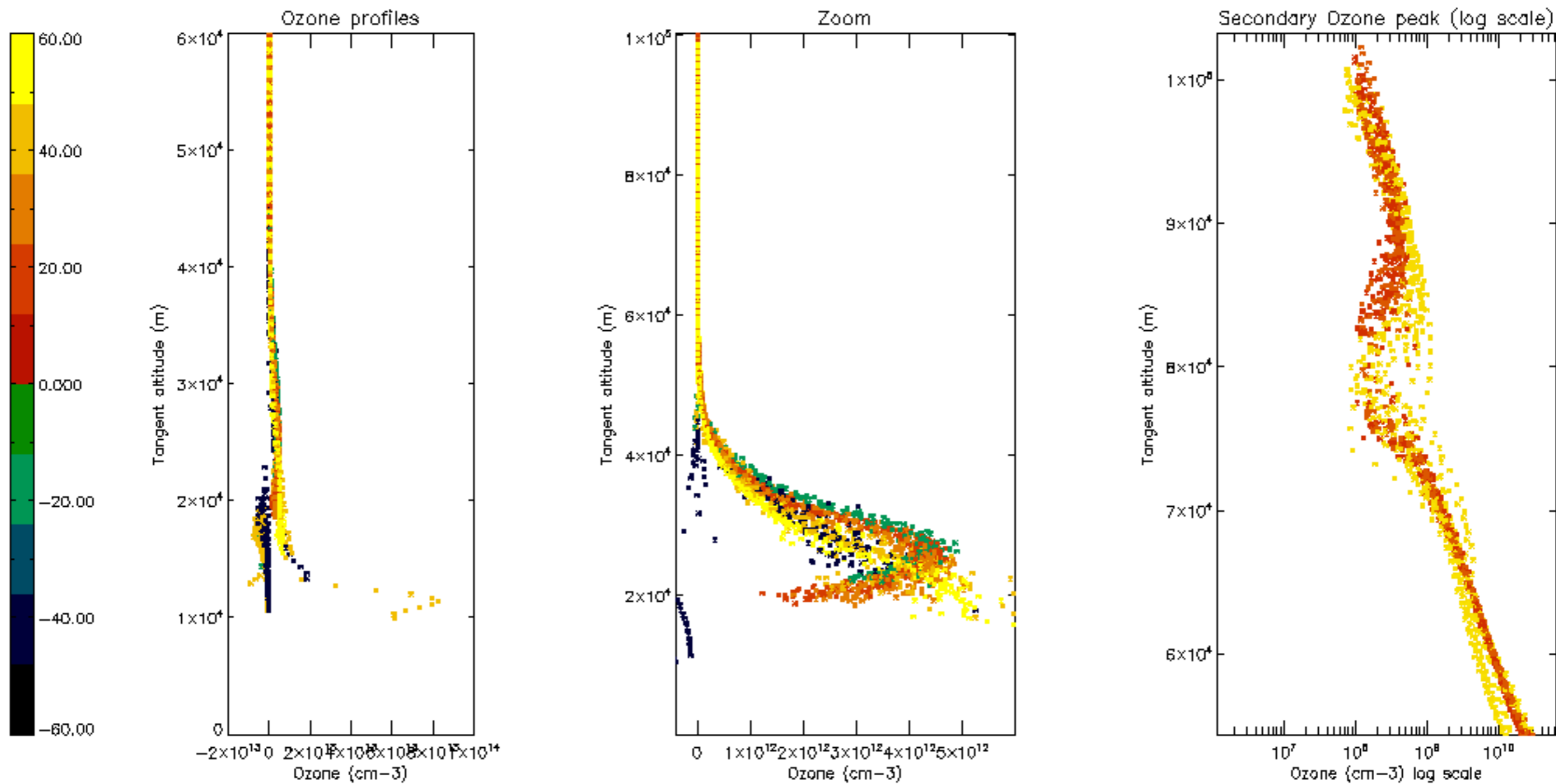
Percentage of star falling outside central band per profile

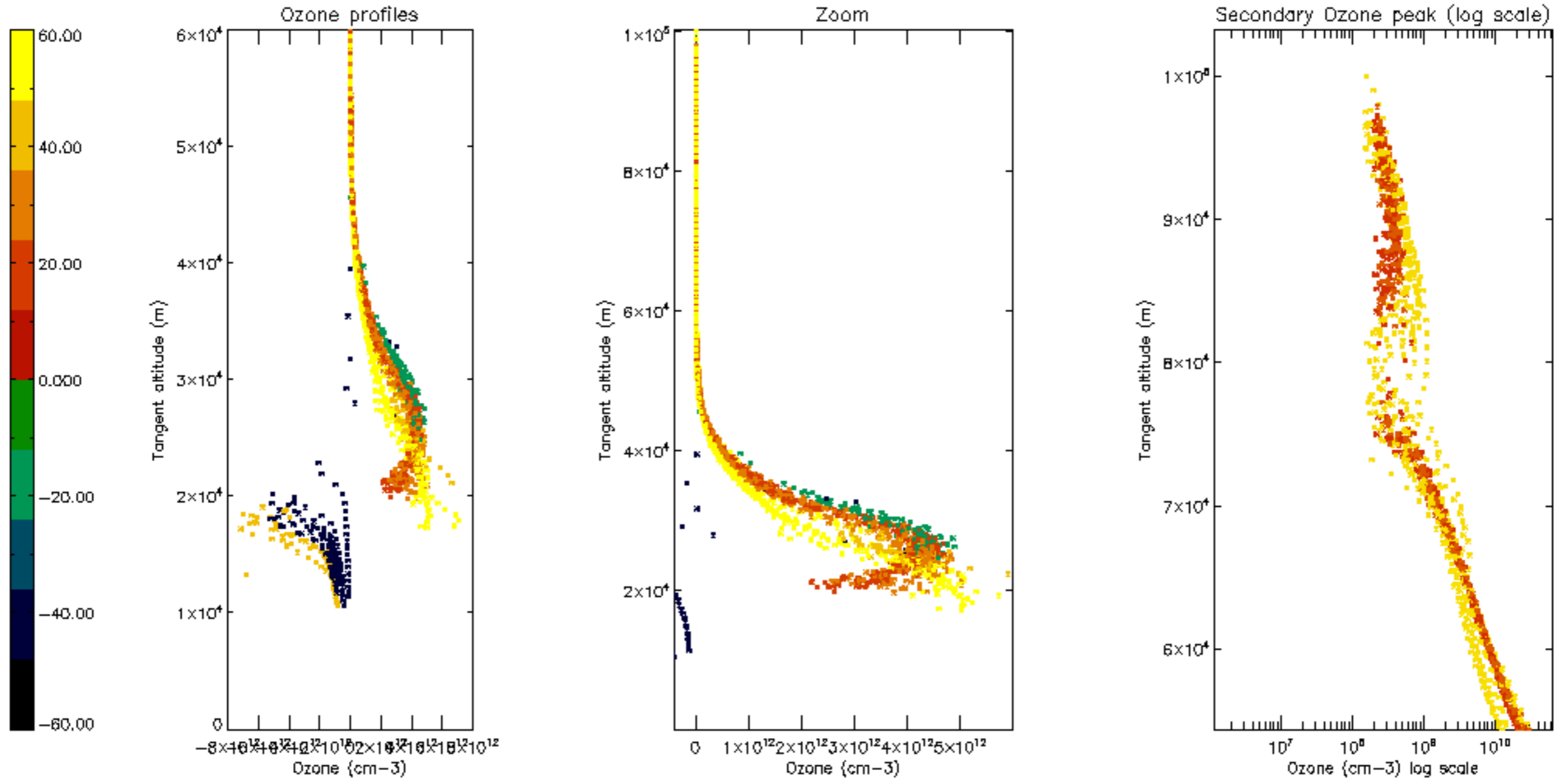


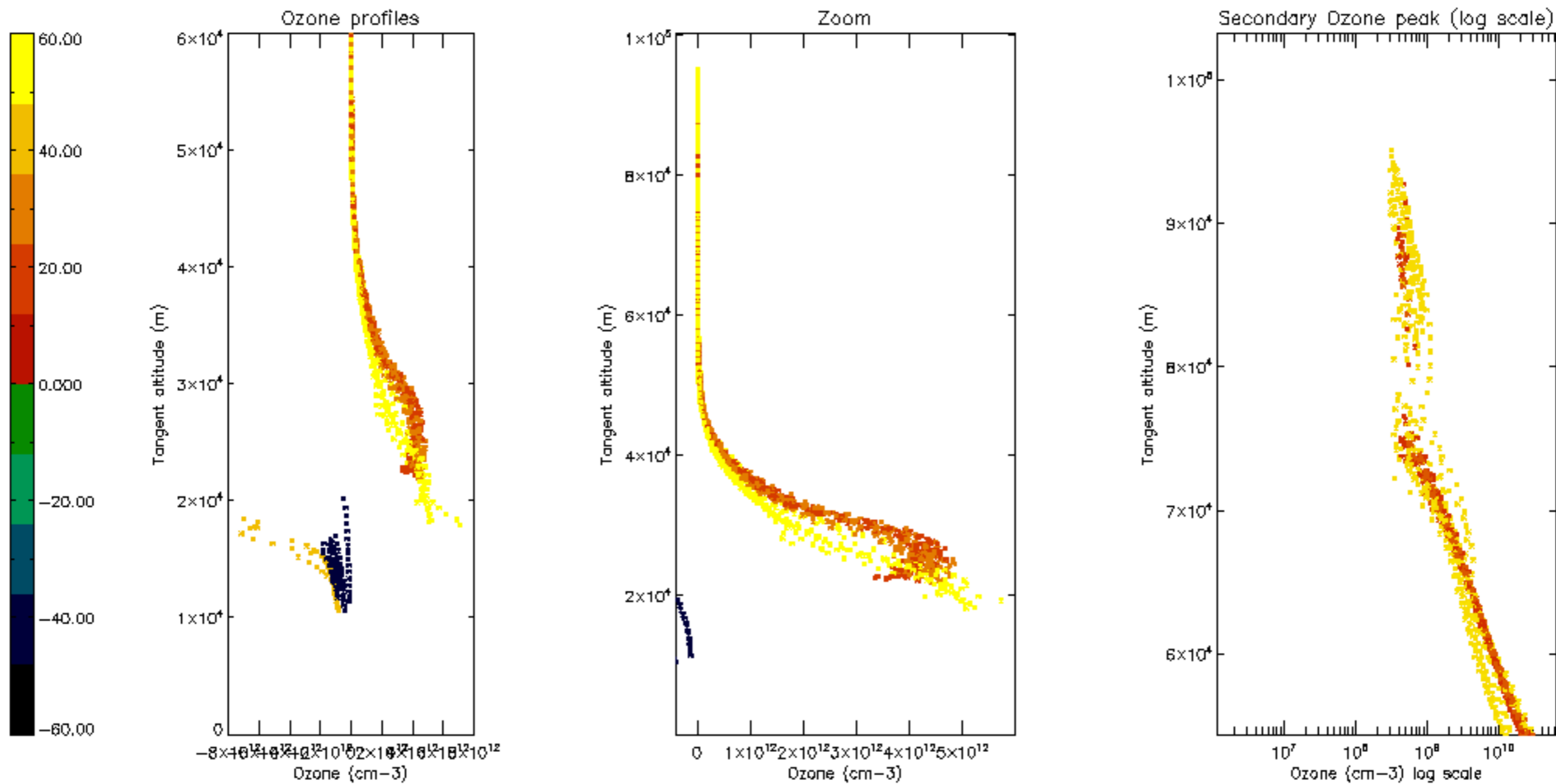
Percentage of saturation errors per profile

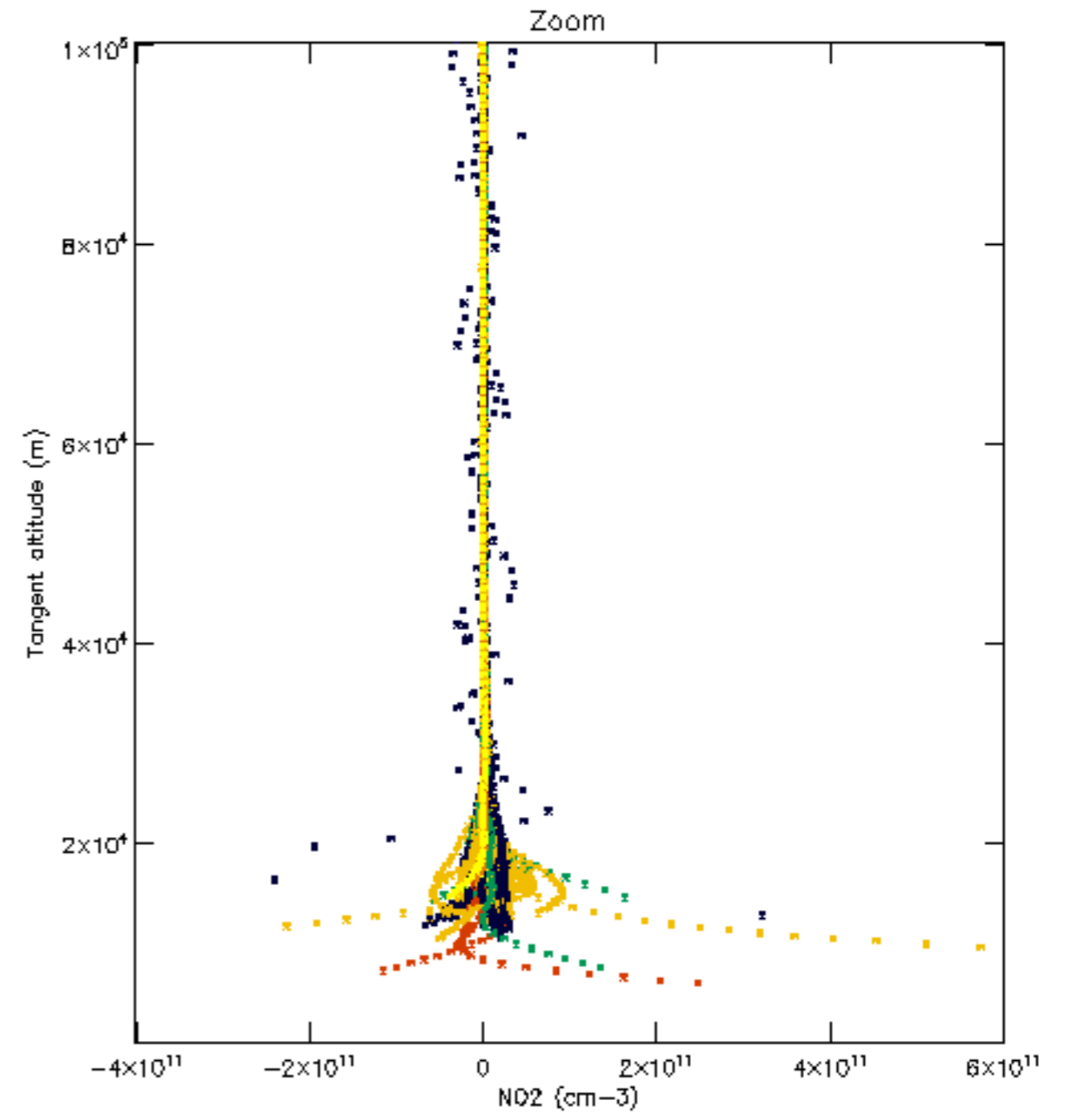
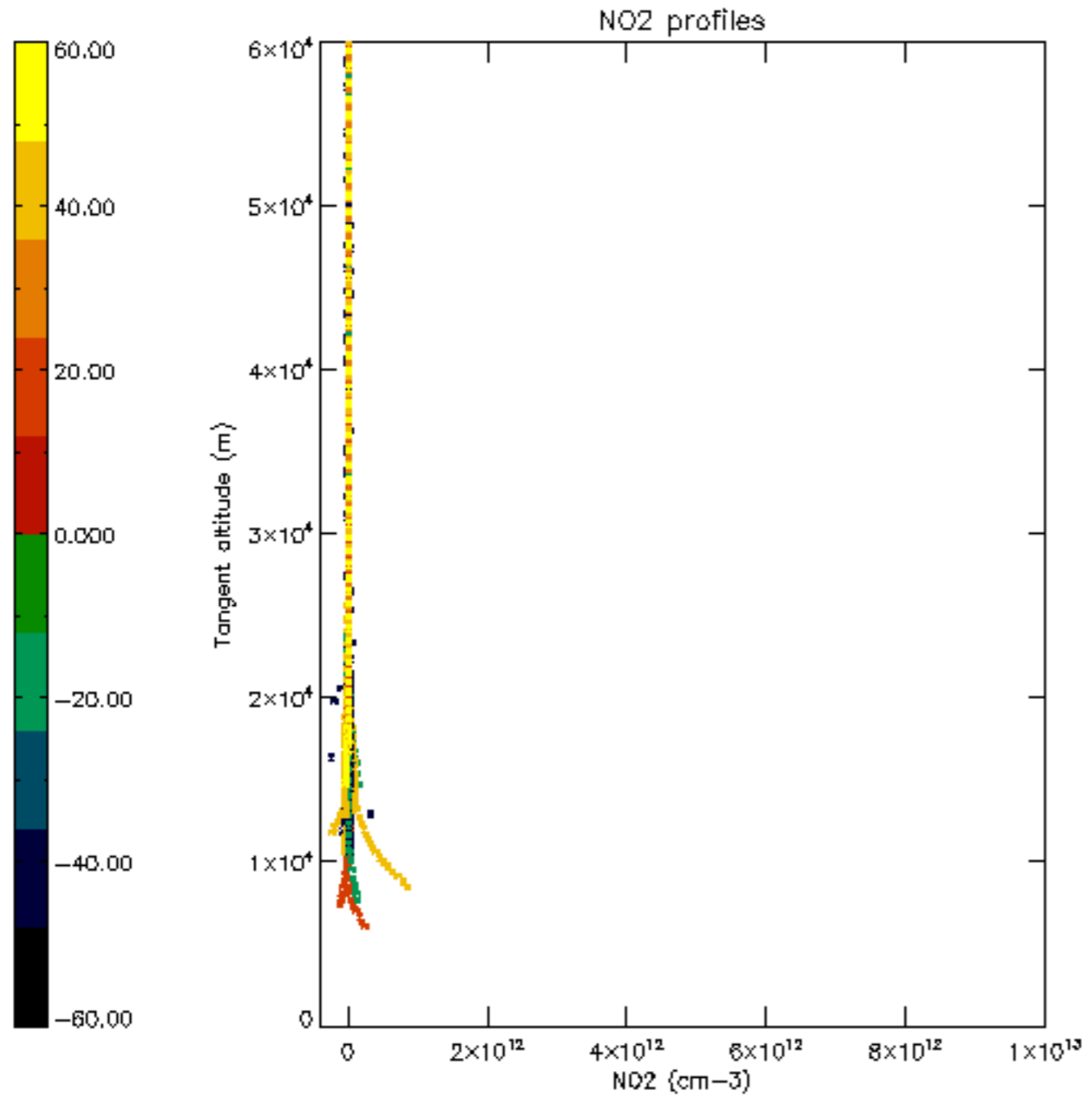


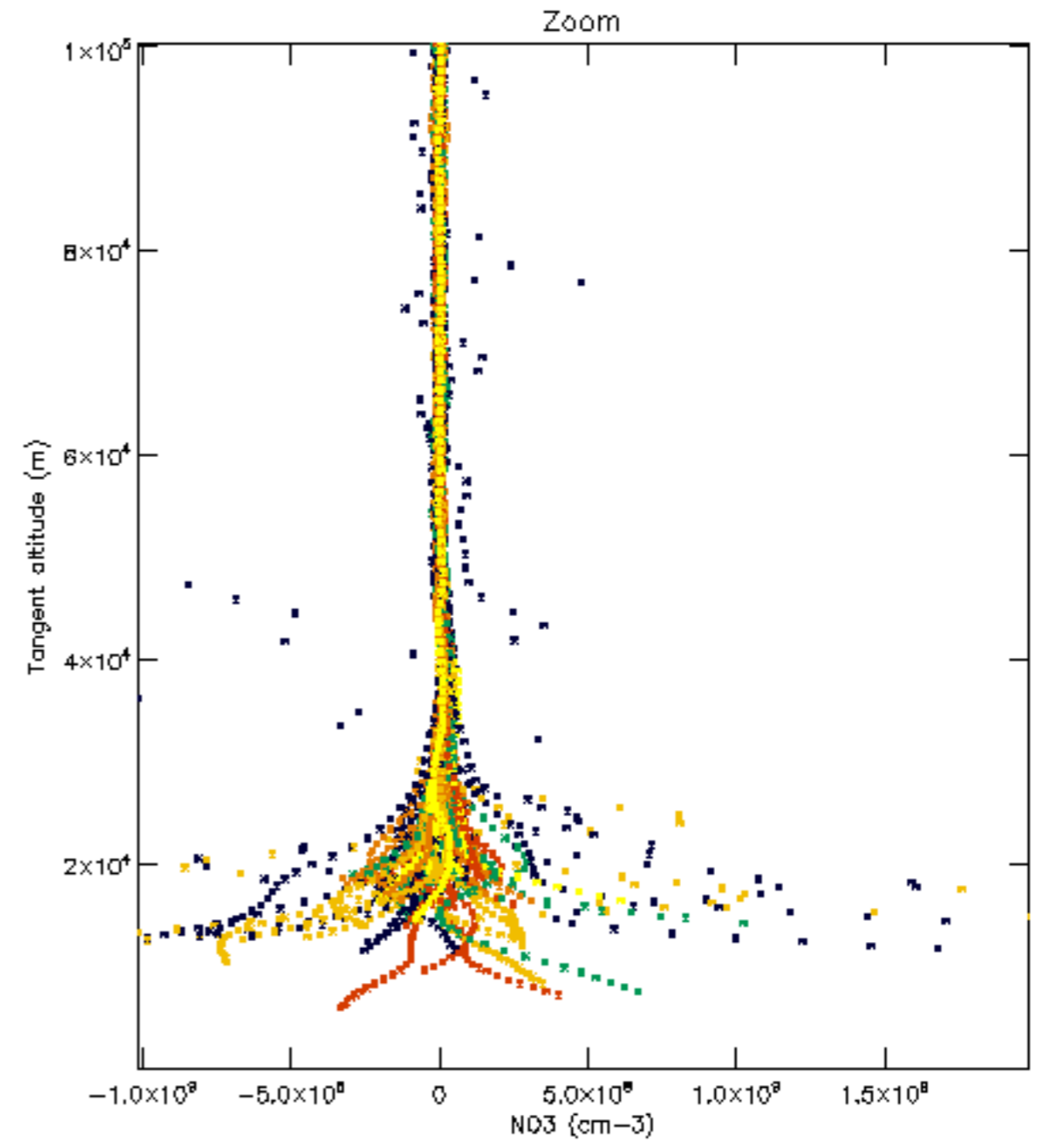
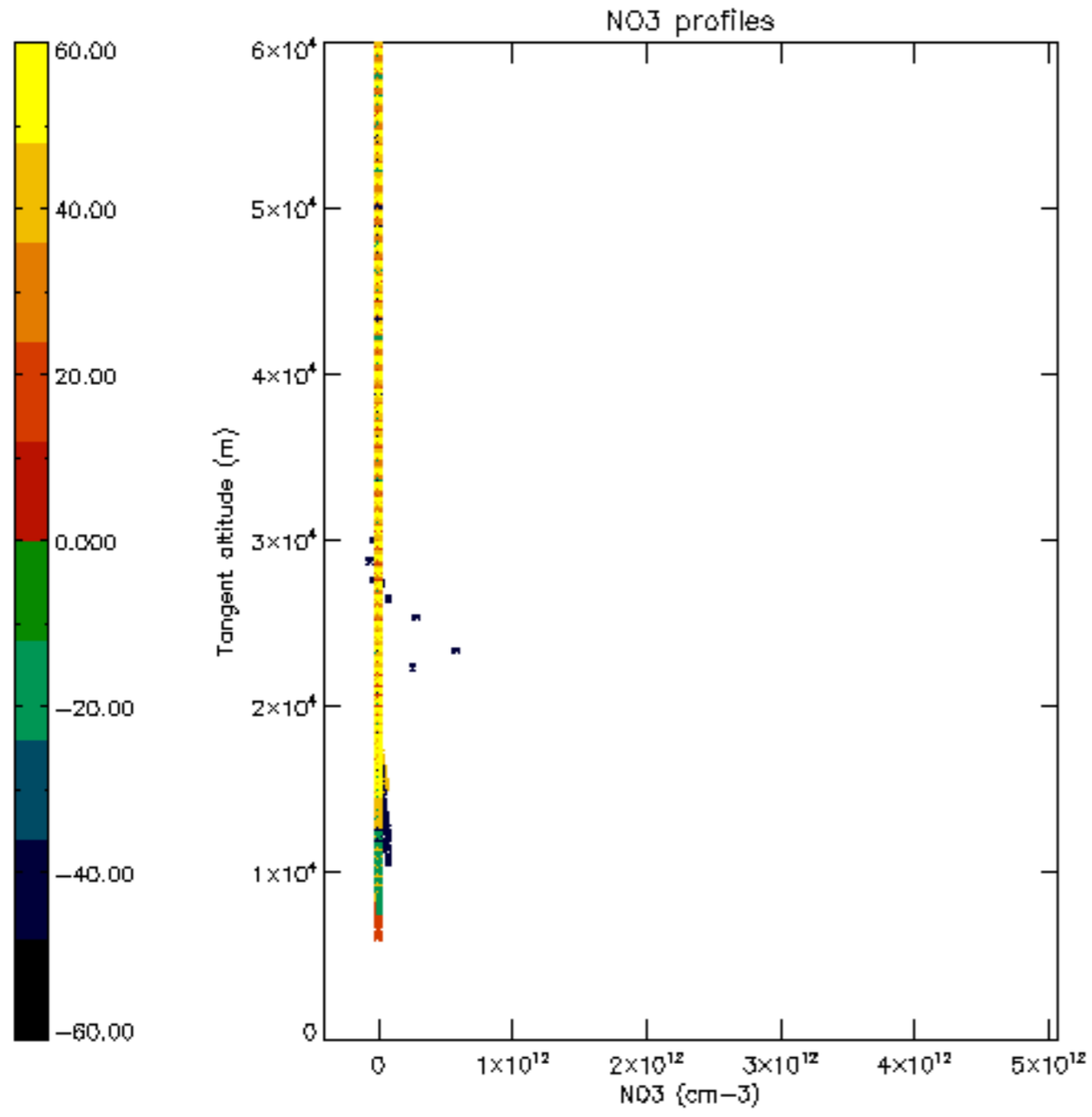


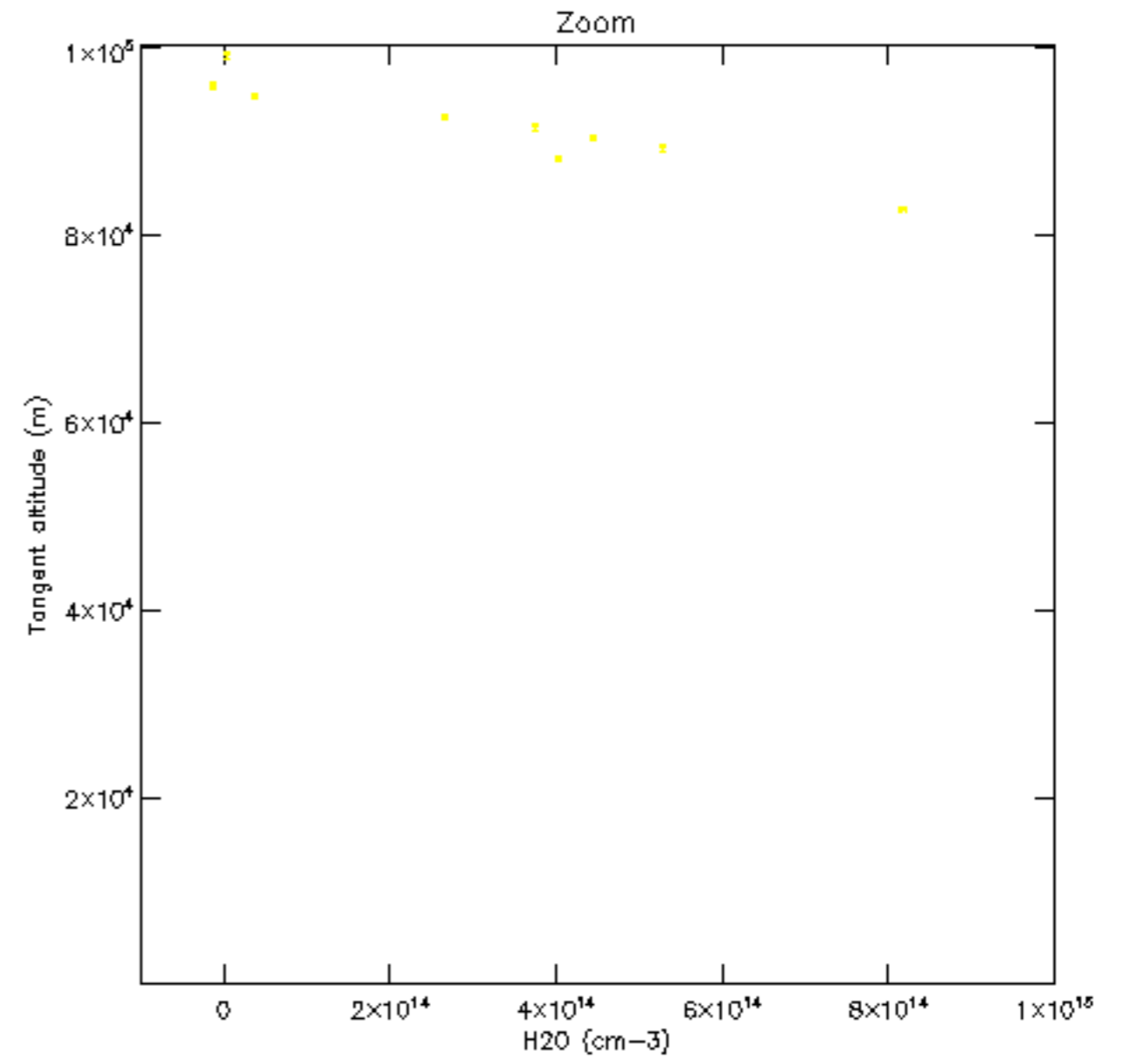
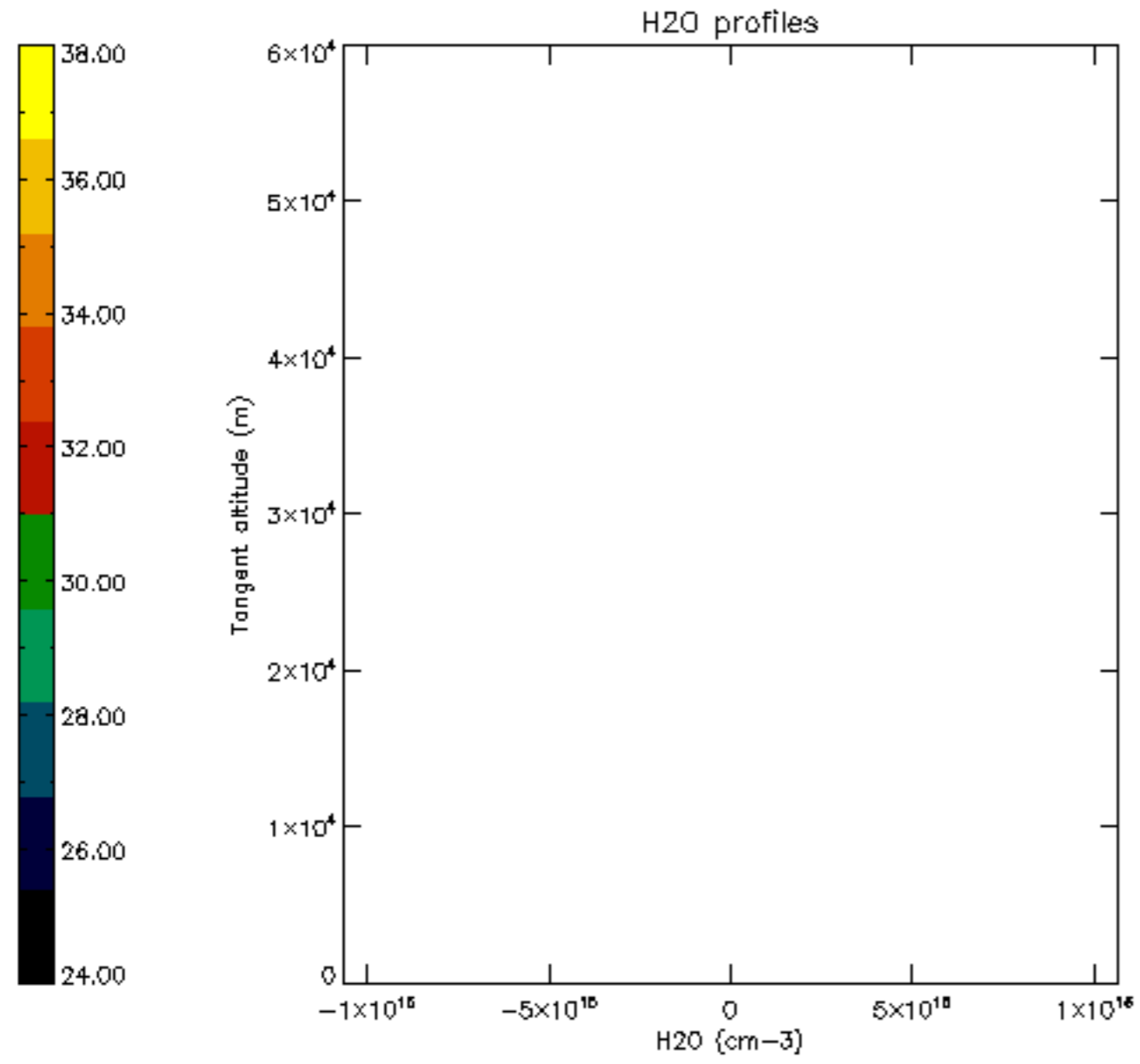


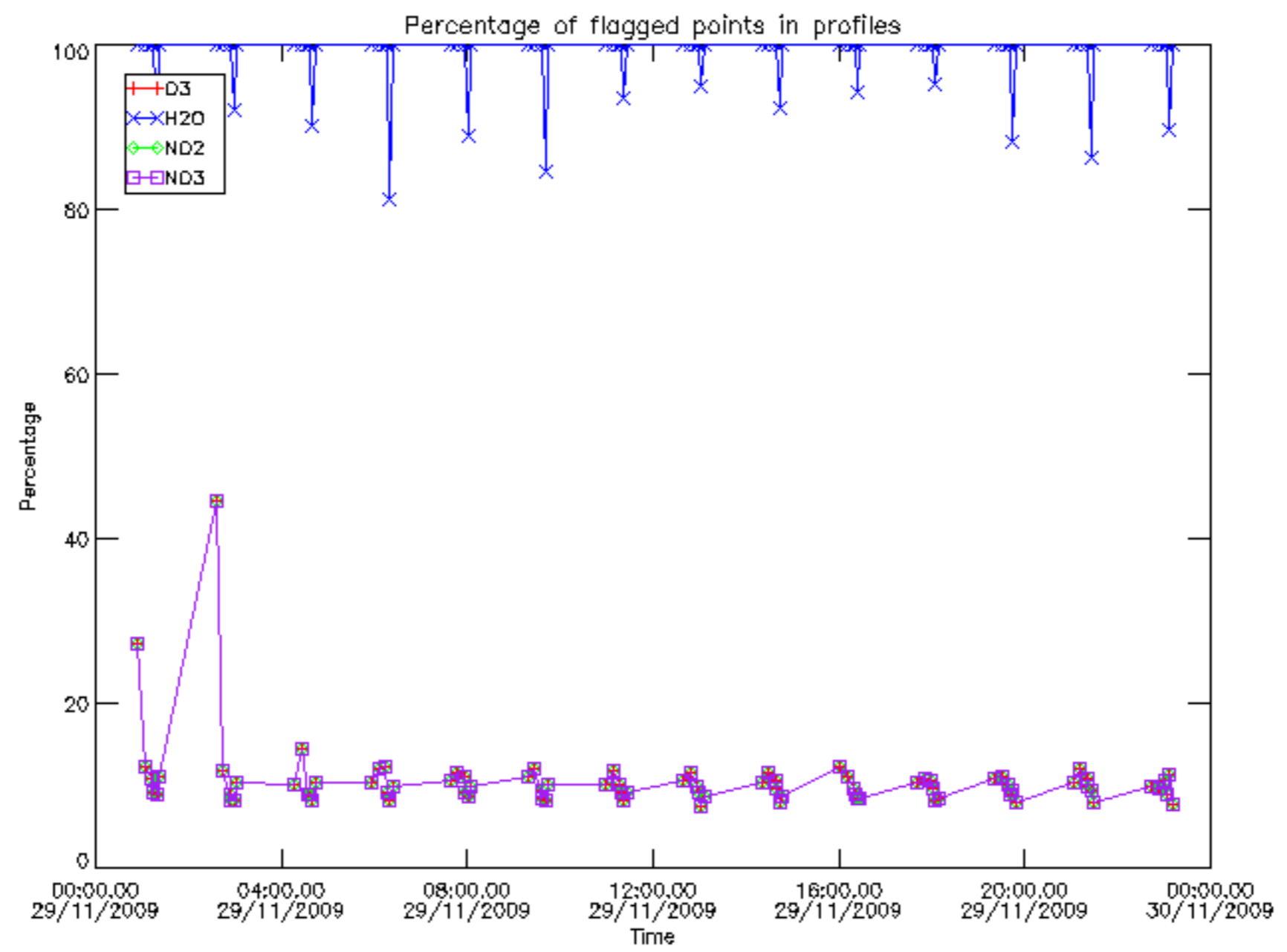




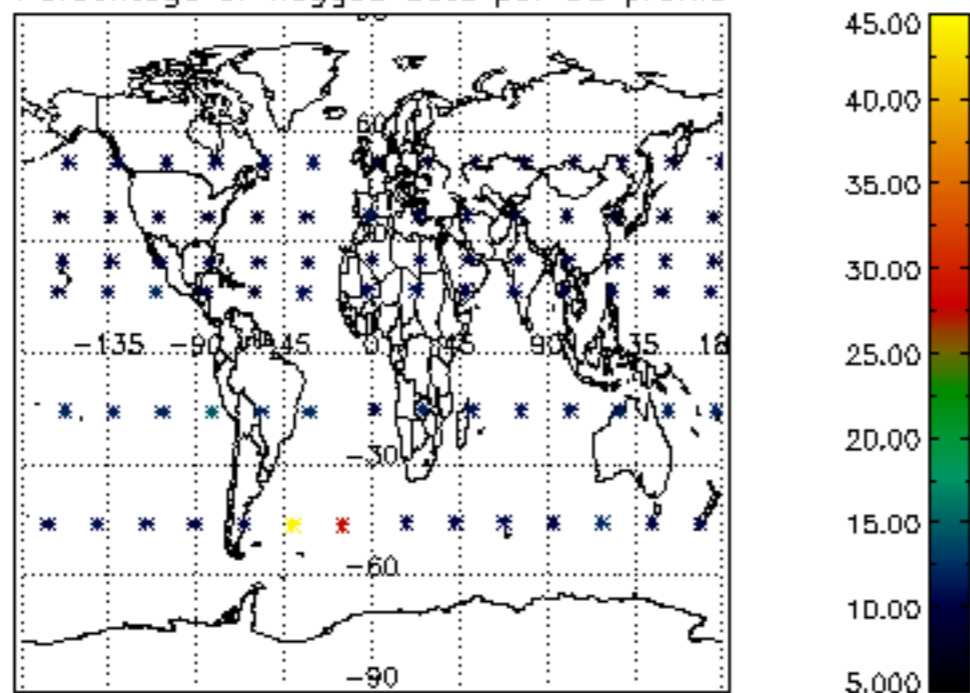




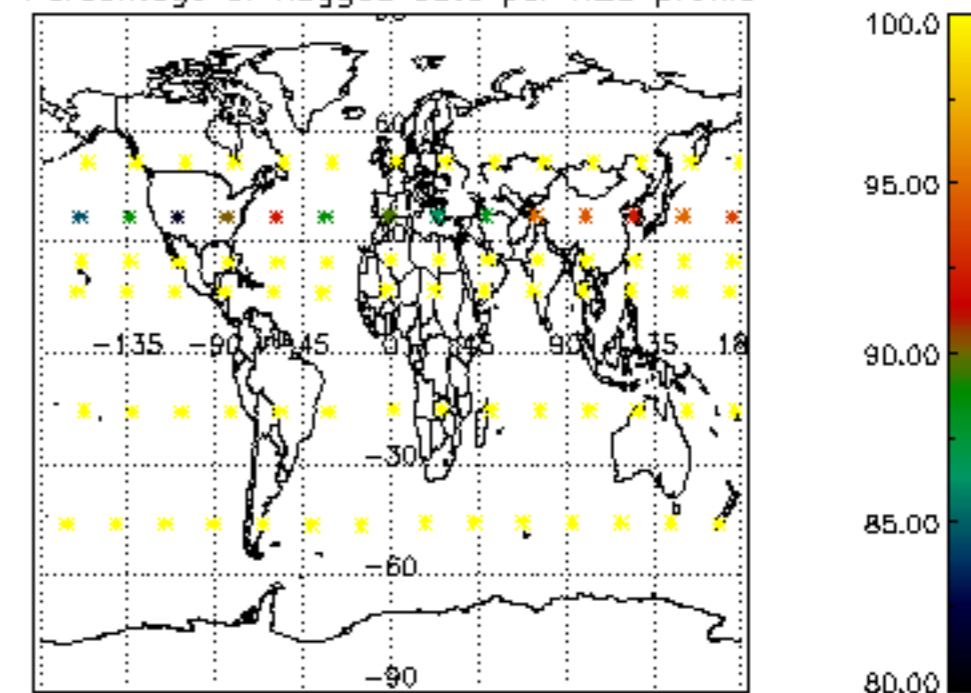




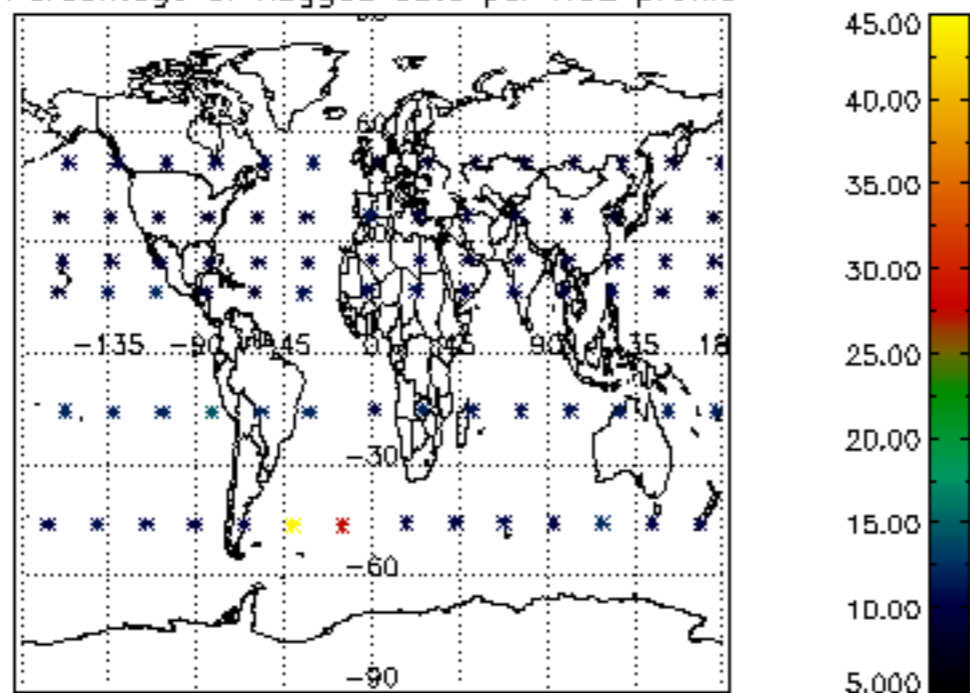
Percentage of flagged data per D3 profile



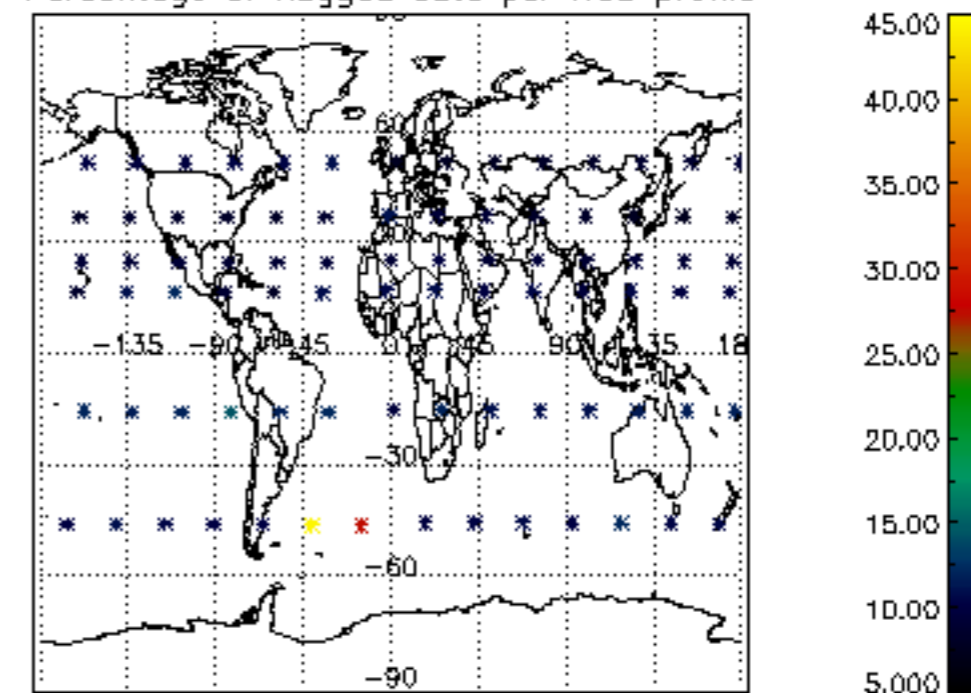
Percentage of flagged data per H2O profile

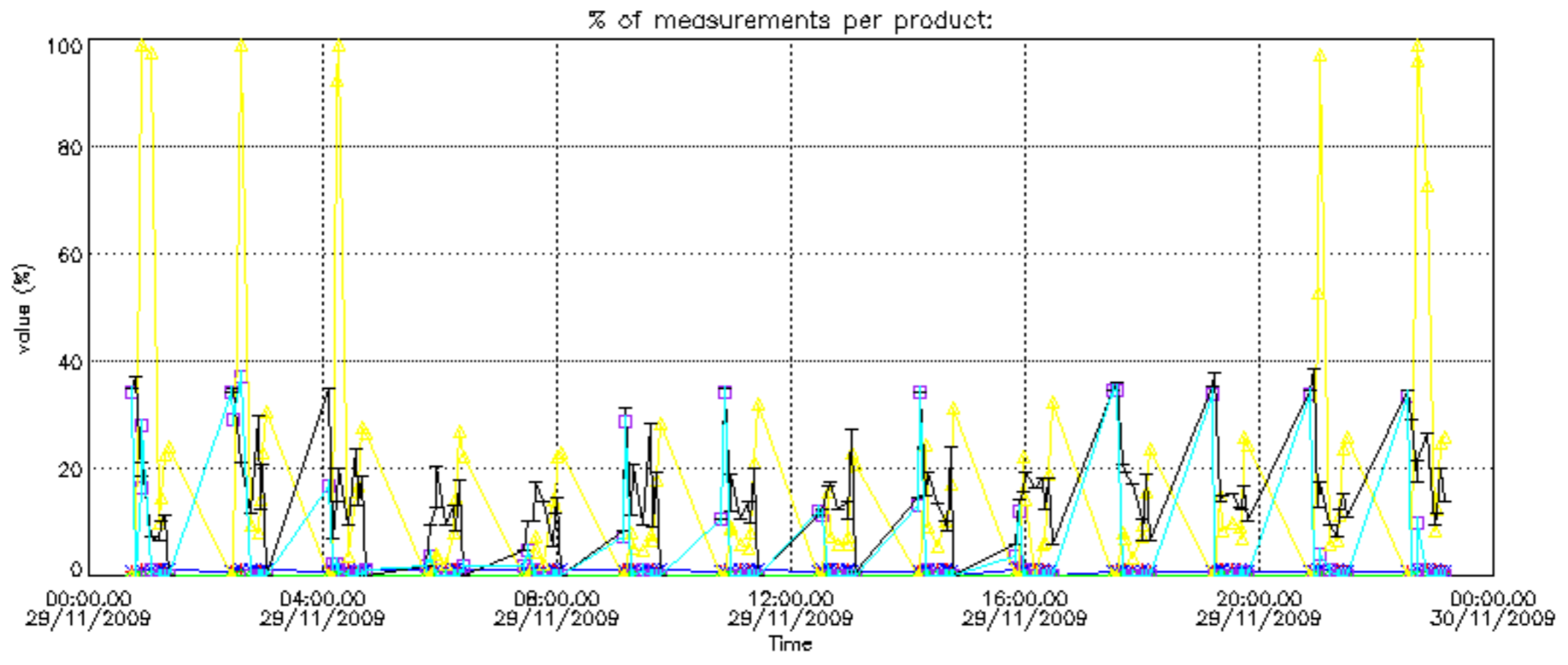


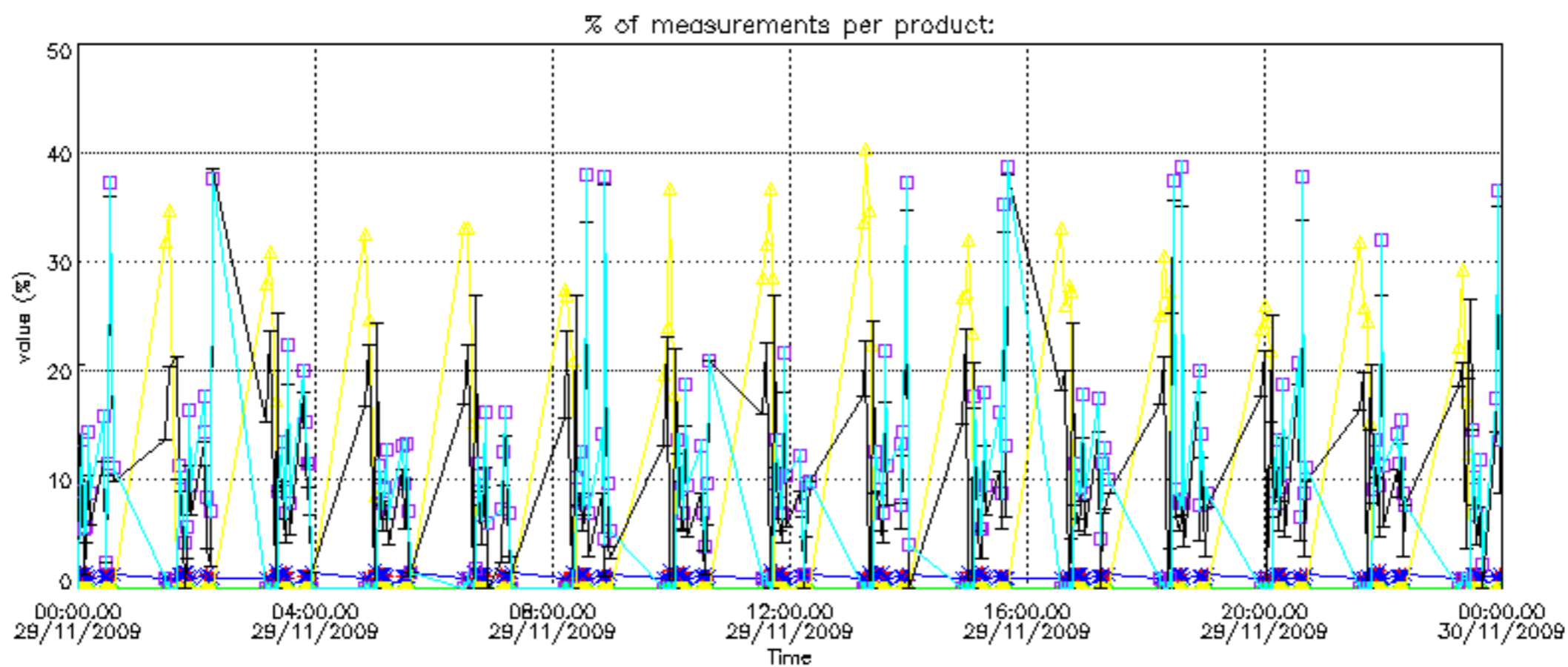
Percentage of flagged data per NO2 profile



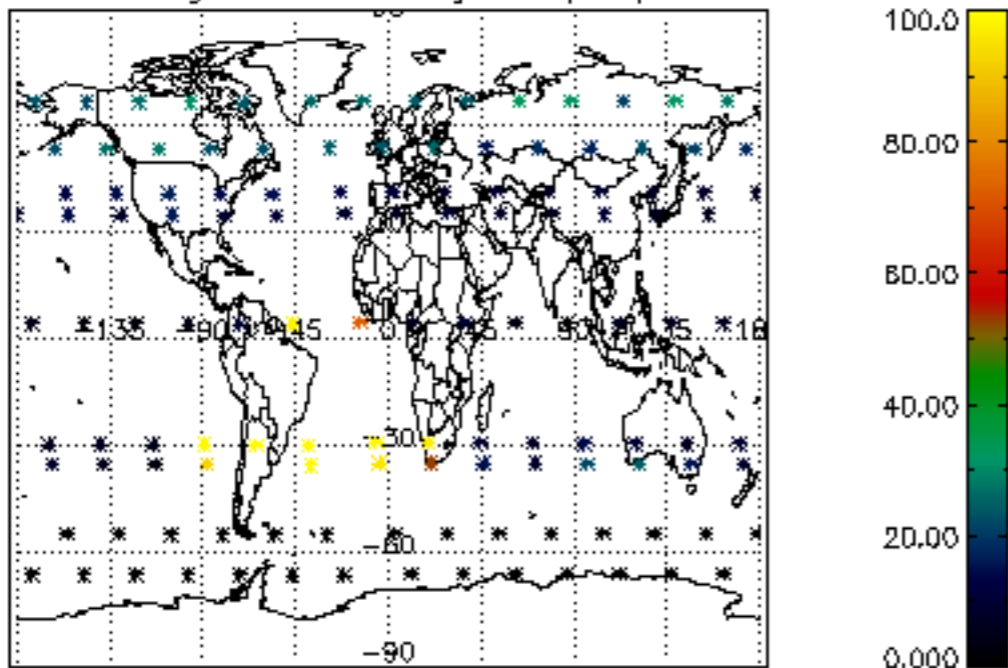
Percentage of flagged data per NO3 profile



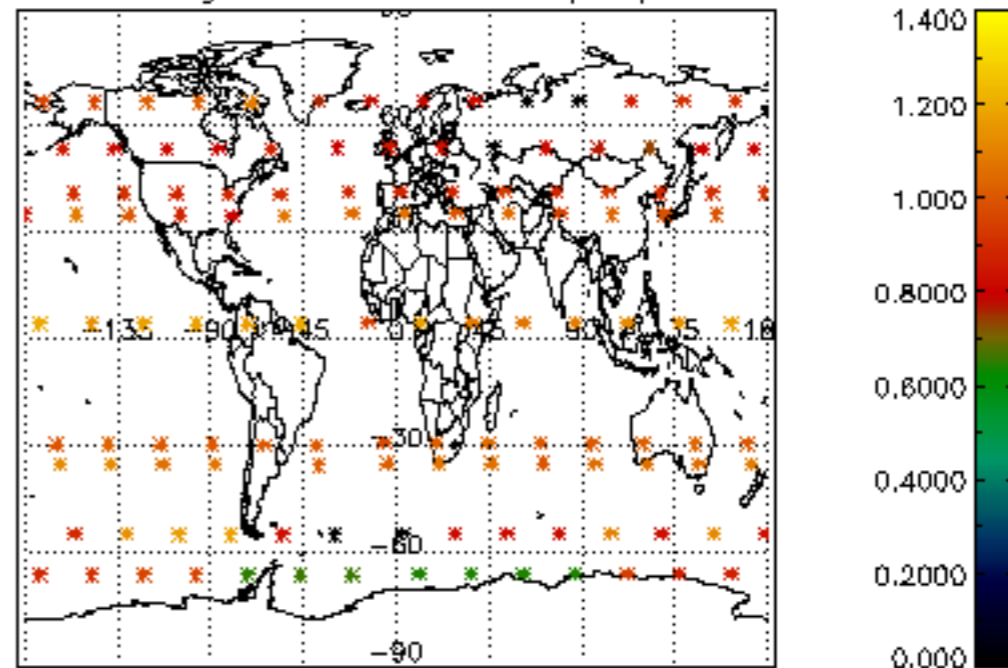




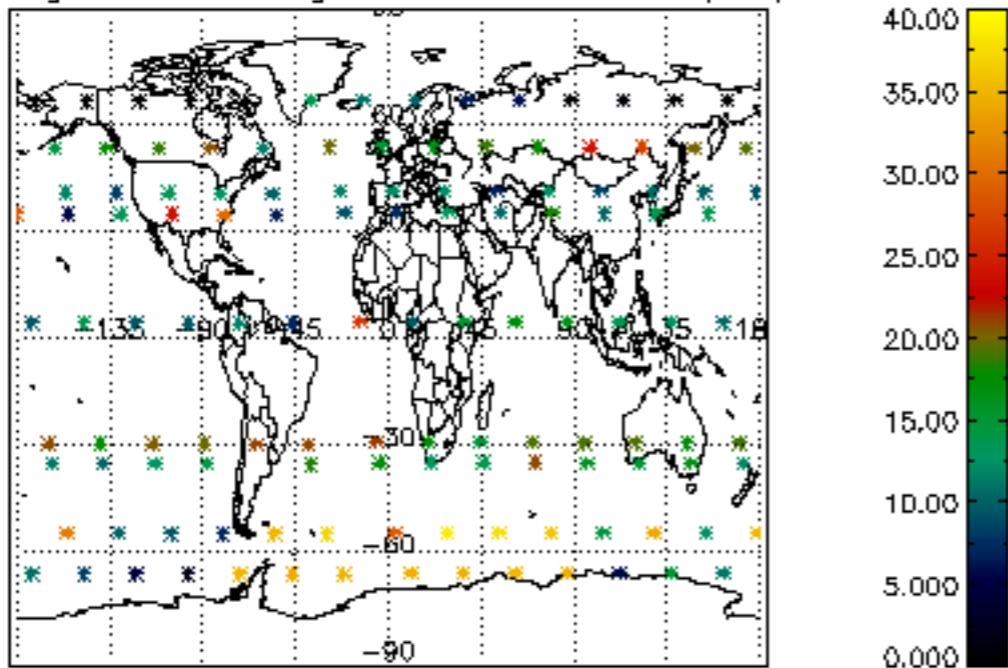
Percentage of cosmic ray hits per profile



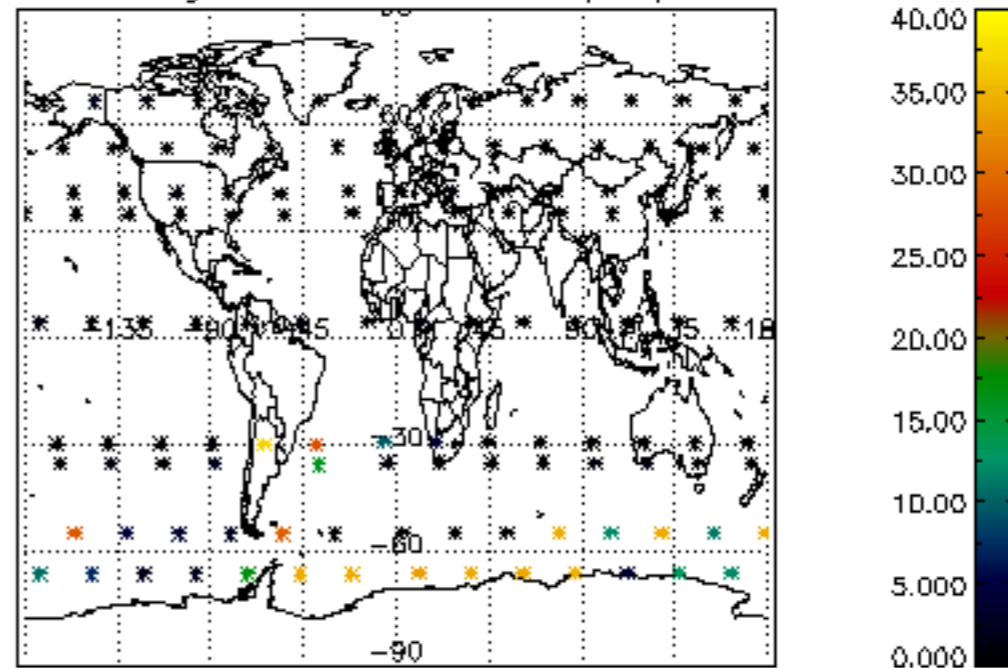
Percentage of datation errors per profile



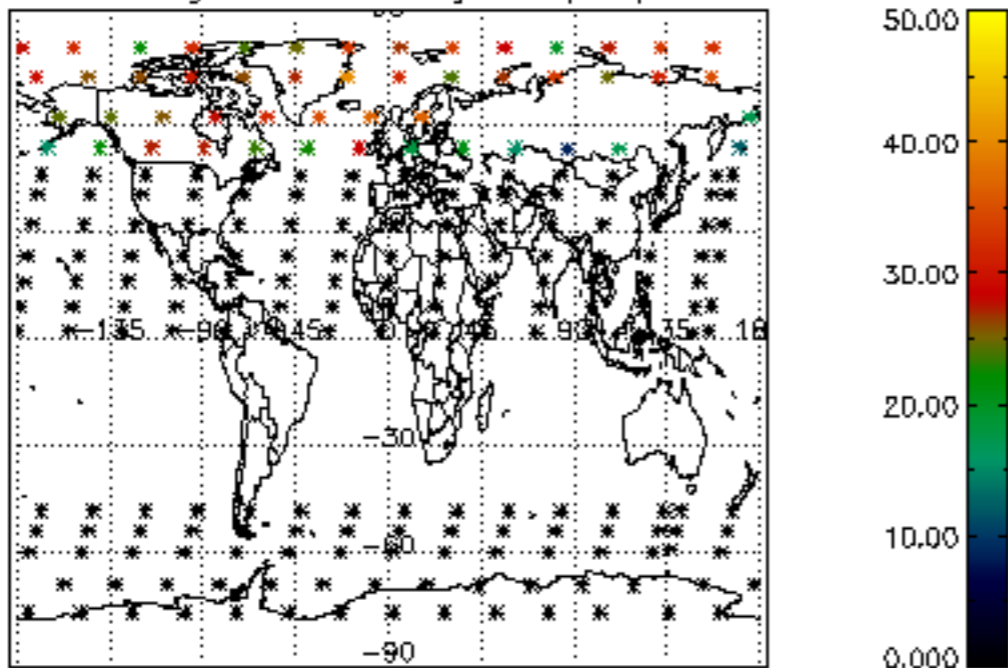
Percentage of star falling outside central band per profile



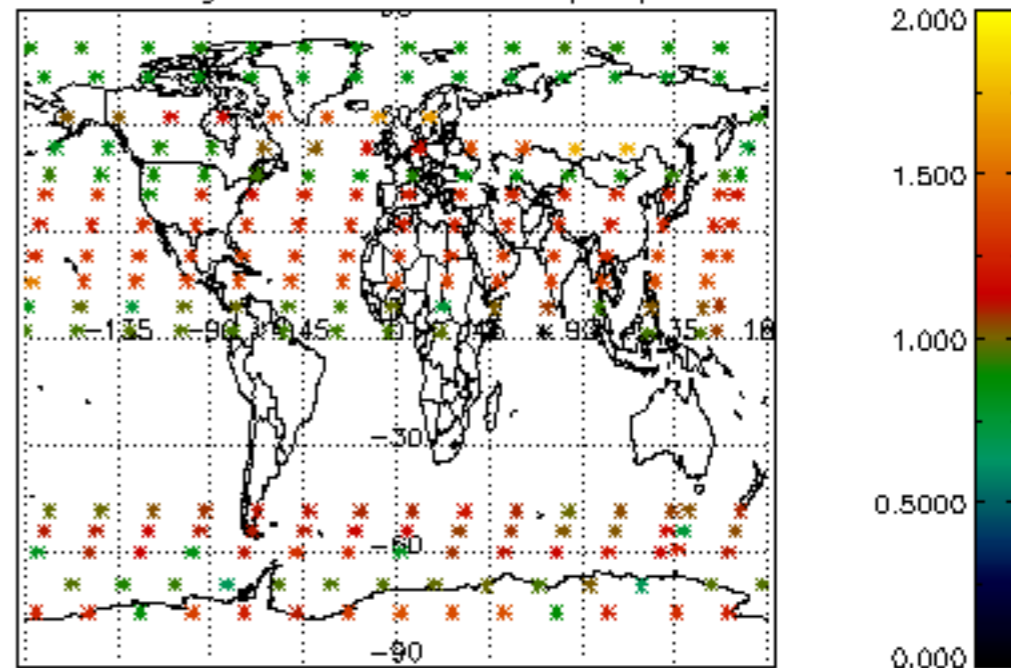
Percentage of saturation errors per profile



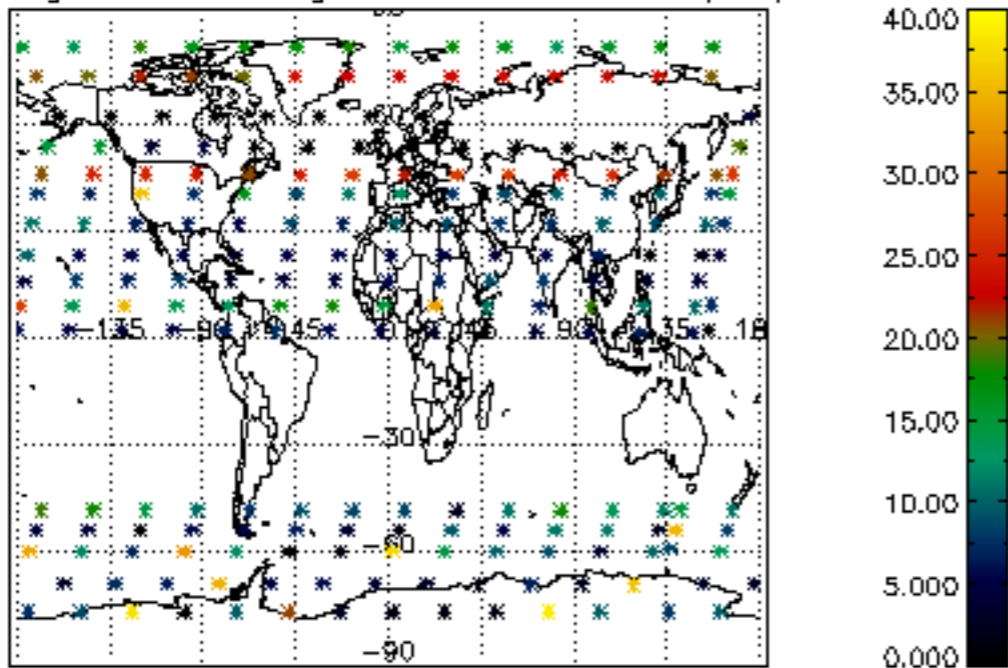
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

