

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](#)

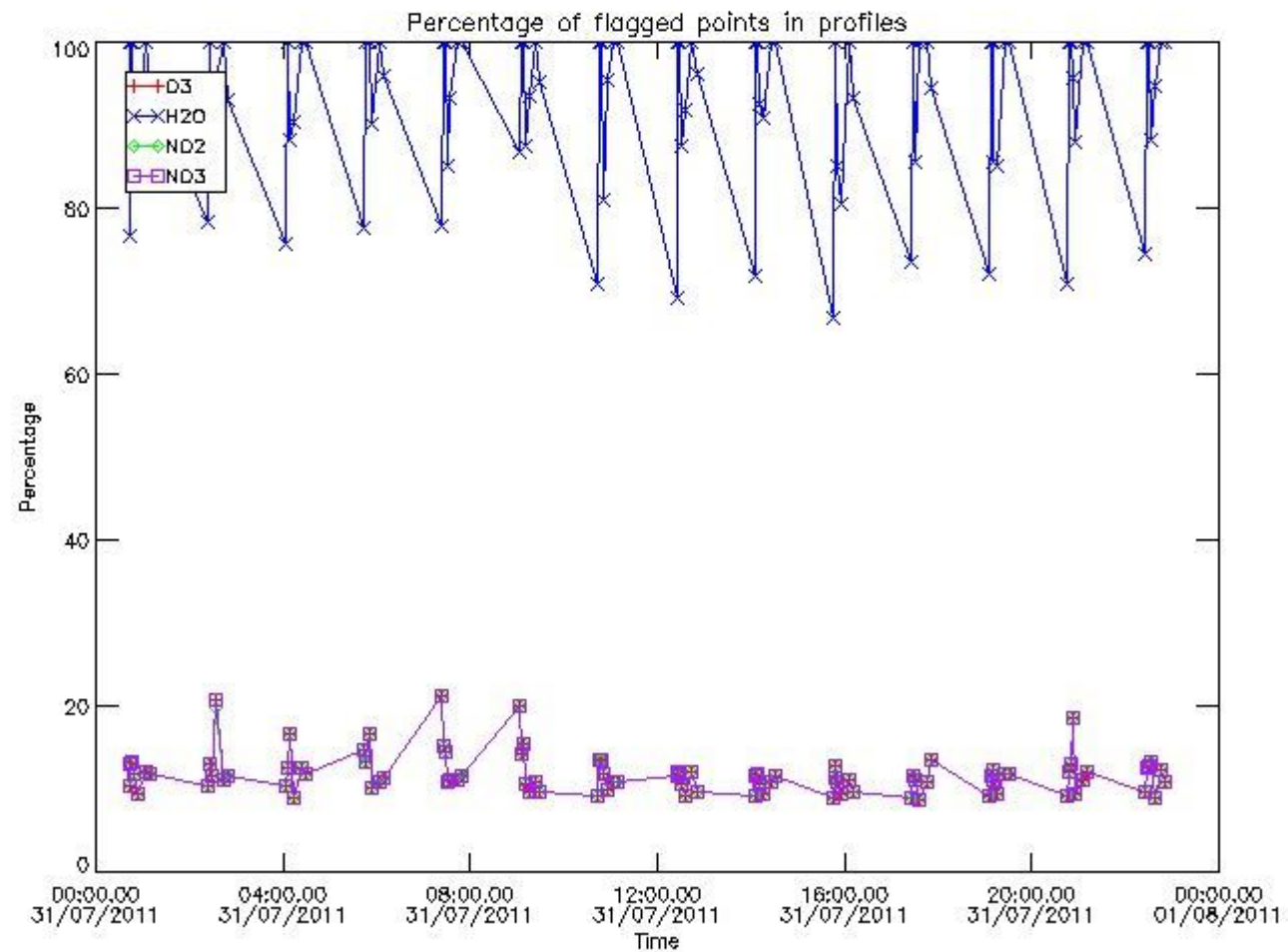
[6. Auxiliary Data Files used for the production reported in section 2](#)

279	GOM_NL__2PRFIN20110731_230457_000000463105_00102_49254_5971.N1	31-JUL-2011 23:04:57	Straylight	45.500	172	Gam Gru	3.0030	13100.	91	49254	No
280	GOM_NL__2PRFIN20110731_232039_000000383105_00102_49254_5972.N1	31-JUL-2011 23:20:39	Bright	38.000	11	53Alp Aql	0.76500	8000.0	76	49254	No
281	GOM_NL__2PRFIN20110731_232911_000000453105_00102_49254_5973.N1	31-JUL-2011 23:29:11	Bright	44.500	92	53Eps Cyg	2.5000	4500.0	89	49254	No
282	GOM_NL__2PRFIN20110731_233110_000000363105_00102_49254_5974.N1	31-JUL-2011 23:31:10	Bright	35.500	144	18Del Cyg	2.8600	11000.	71	49254	No
283	GOM_NL__2PRFIN20110731_233742_000000413105_00102_49254_5975.N1	31-JUL-2011 23:37:42	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	49254	No
284	GOM_NL__2PRFIN20110731_235226_000000583105_00102_49254_5976.N1	31-JUL-2011 23:52:26	Bright	58.000	160	23Gam Per	2.9300	4700.0	116	49254	No
285	GOM_NL__2PRFIN20110731_235406_000000503105_00102_49254_5977.N1	31-JUL-2011 23:54:06	Bright	49.500	35	33Alp Per	1.7950	6250.0	99	49254	No
286	GOM_NL__2PRFIN20110731_235613_000000443105_00102_49254_5978.N1	31-JUL-2011 23:56:13	Bright	44.000	6	13Alp Aur	0.080000	3400.0	88	49254	No
287	GOM_NL__2PRFIN20110731_235805_000000453105_00102_49254_5979.N1	31-JUL-2011 23:58:05	Bright	44.500	149	45Eps Per	2.8880	30000.	89	49254	No

3. Quality information per product

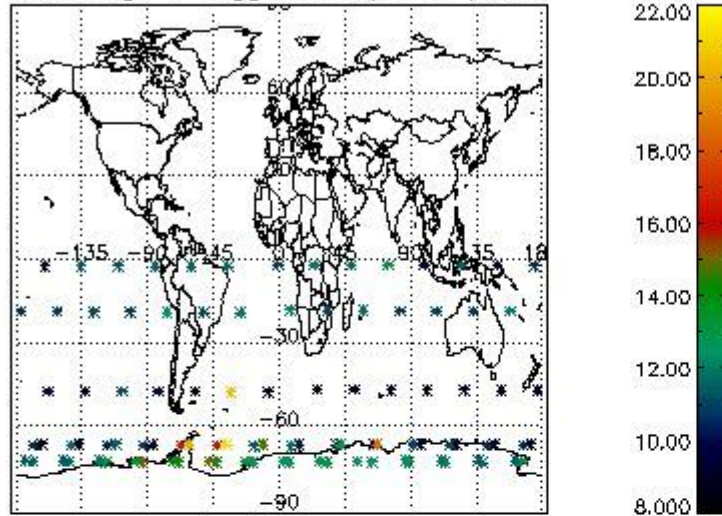
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

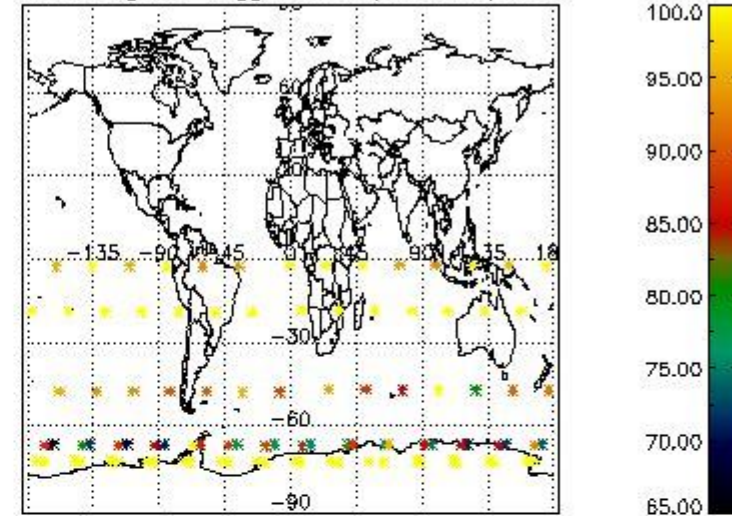


3.2 Plot quality information per product (world map)

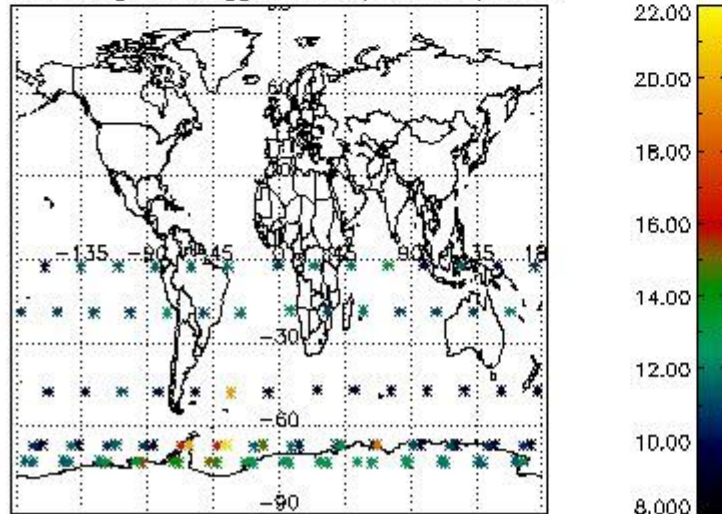
Percentage of flagged data per O3 profile



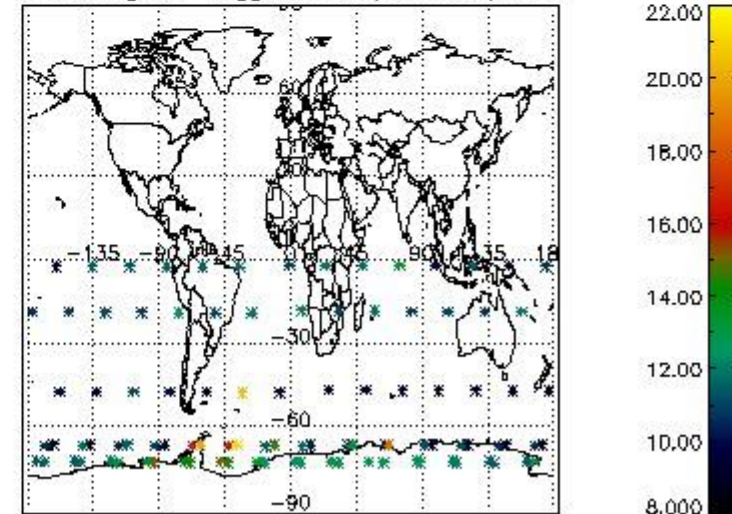
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

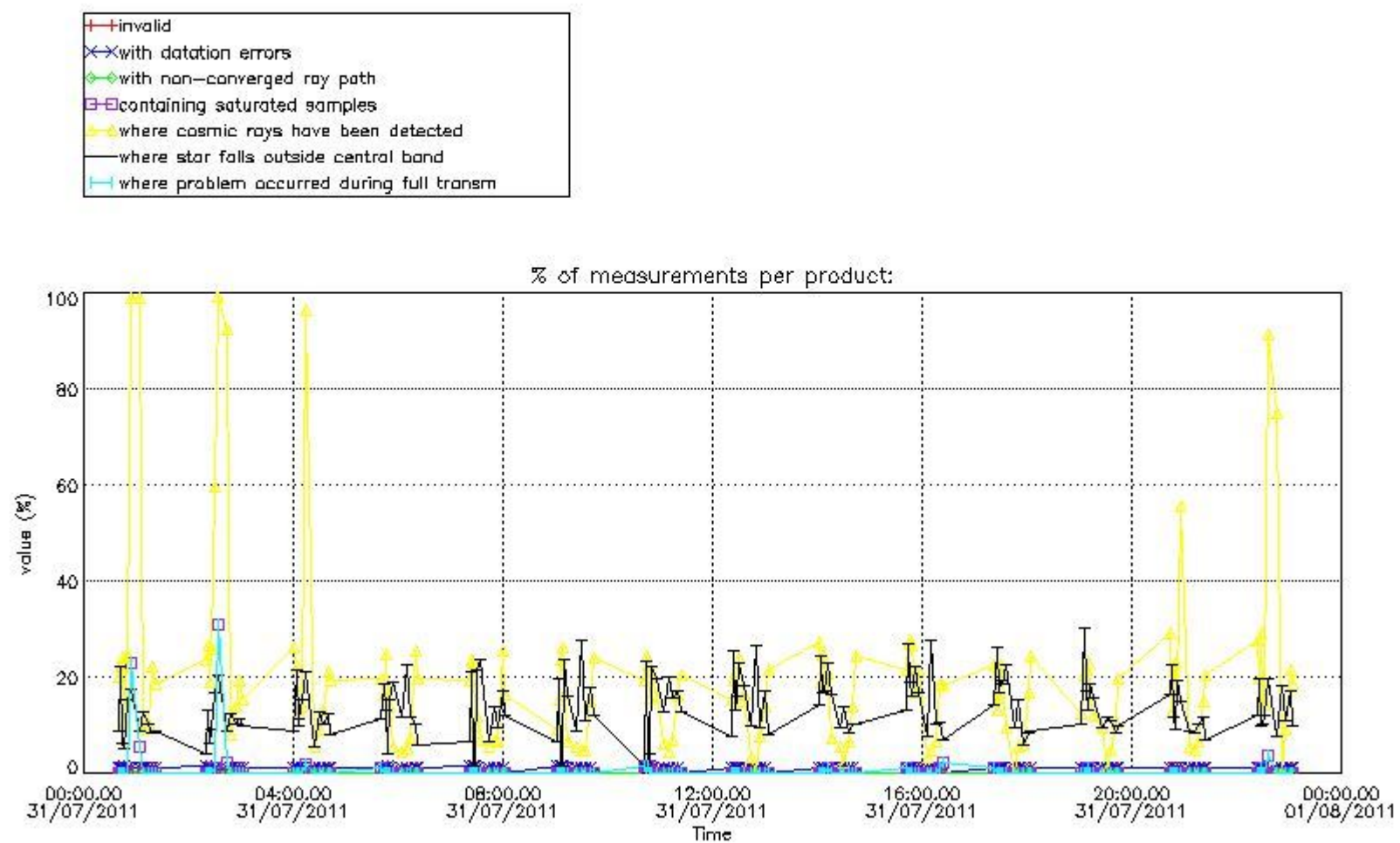


4. Level 1 quality information per product

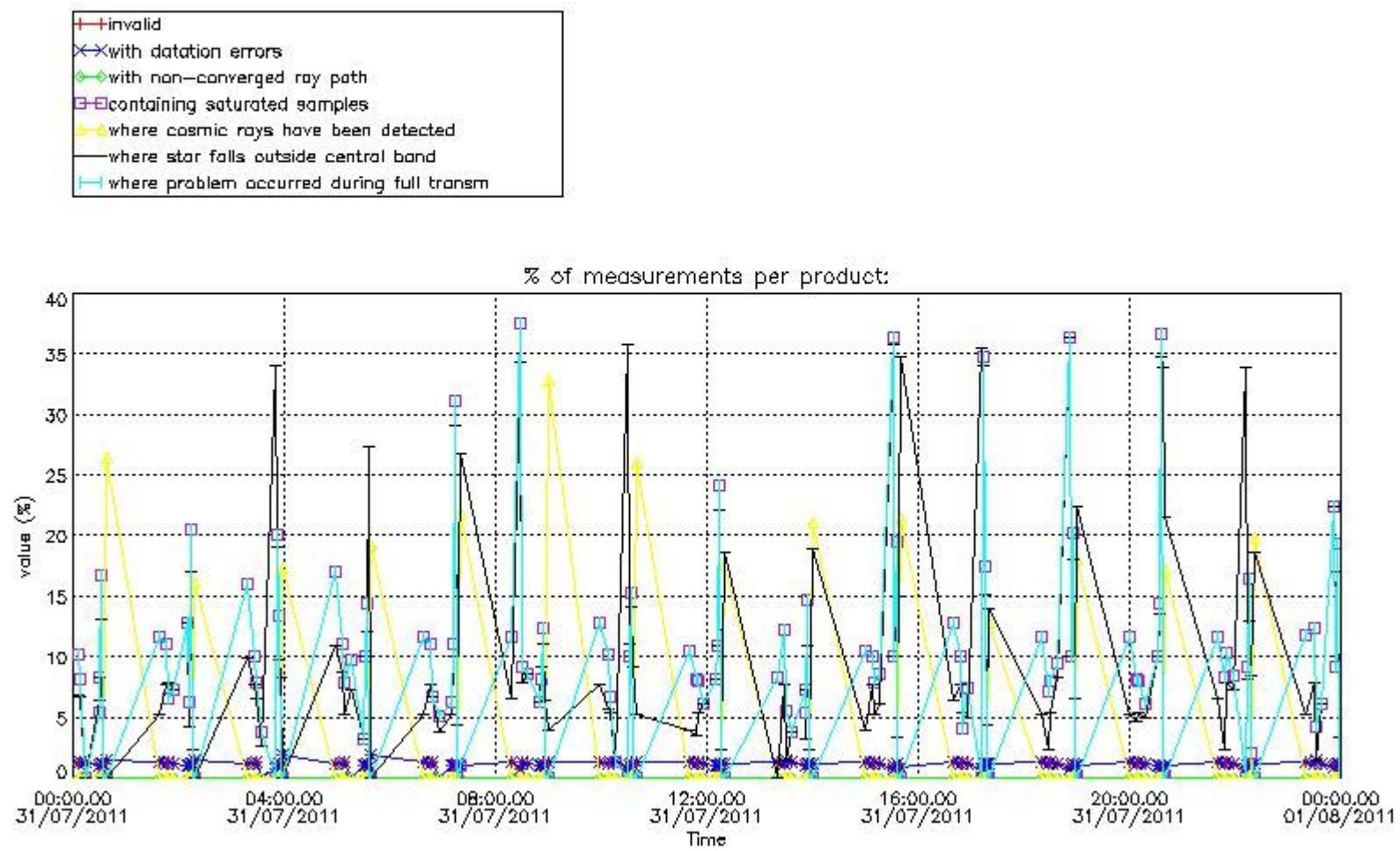
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



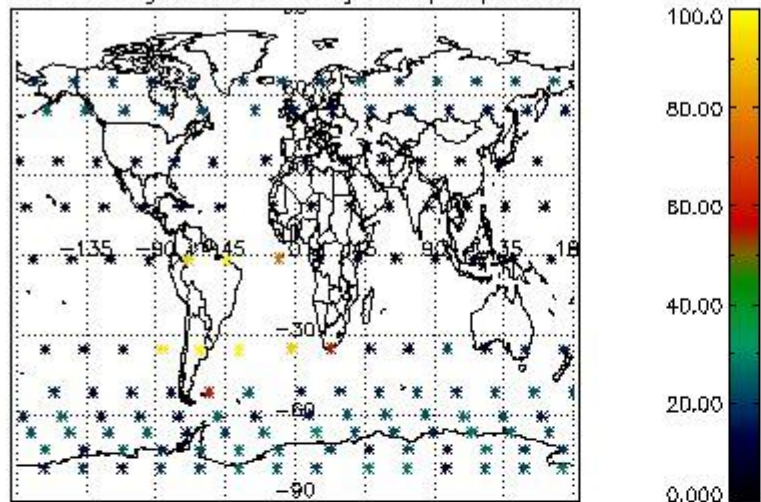
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



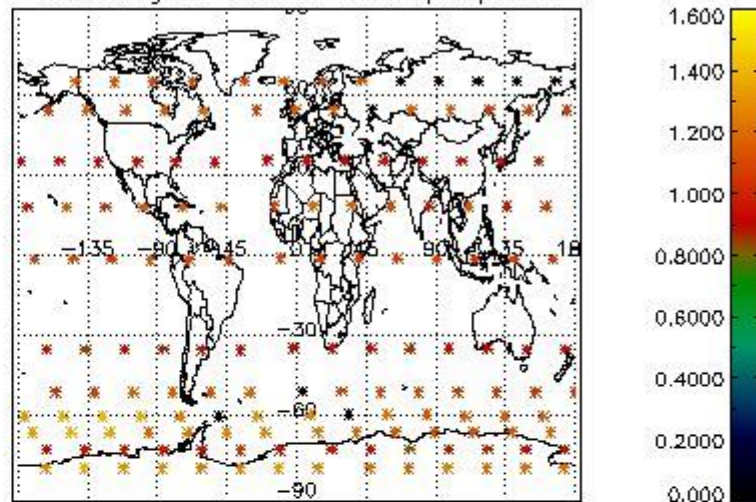
4.2 Plot quality information per product coming from level 1b processing (world map)

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

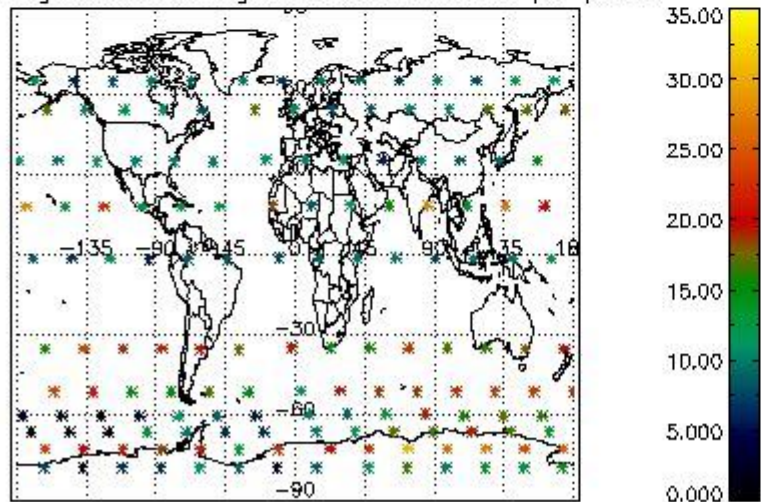
Percentage of cosmic ray hits per profile



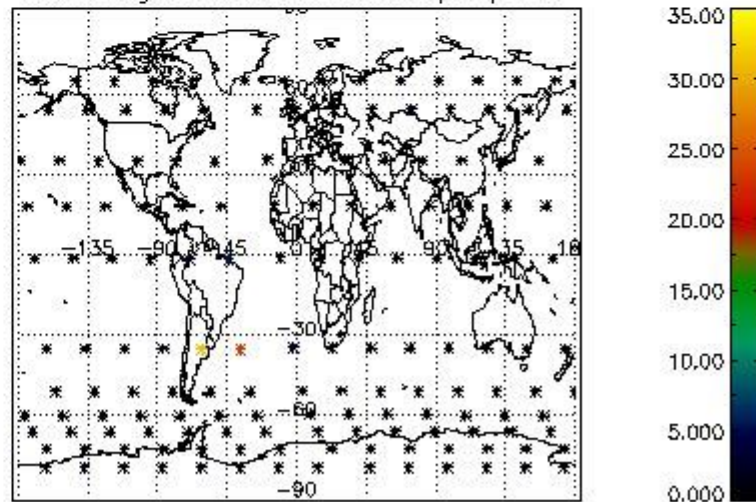
Percentage of datation errors per profile



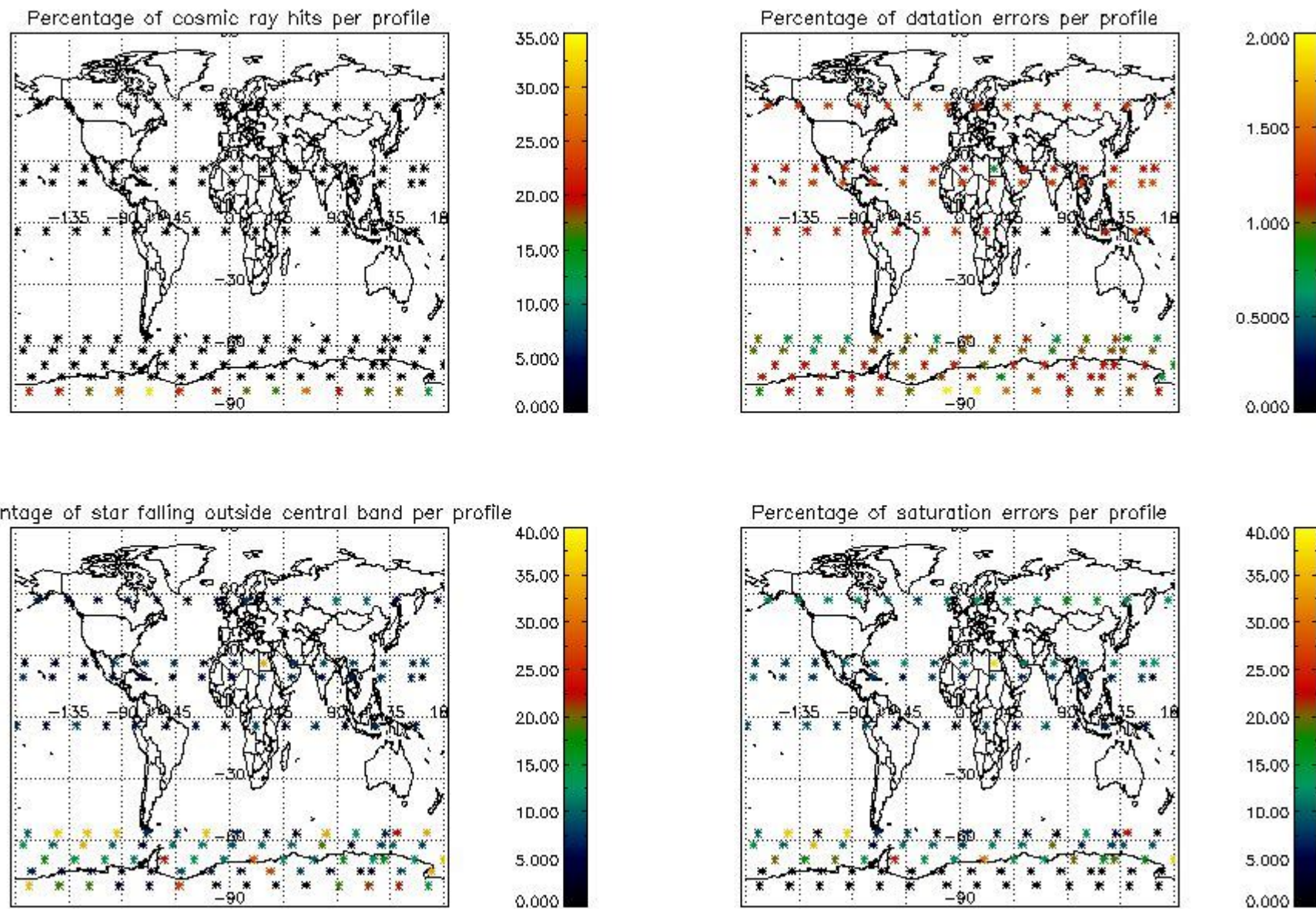
Percentage of star falling outside central band per profile



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

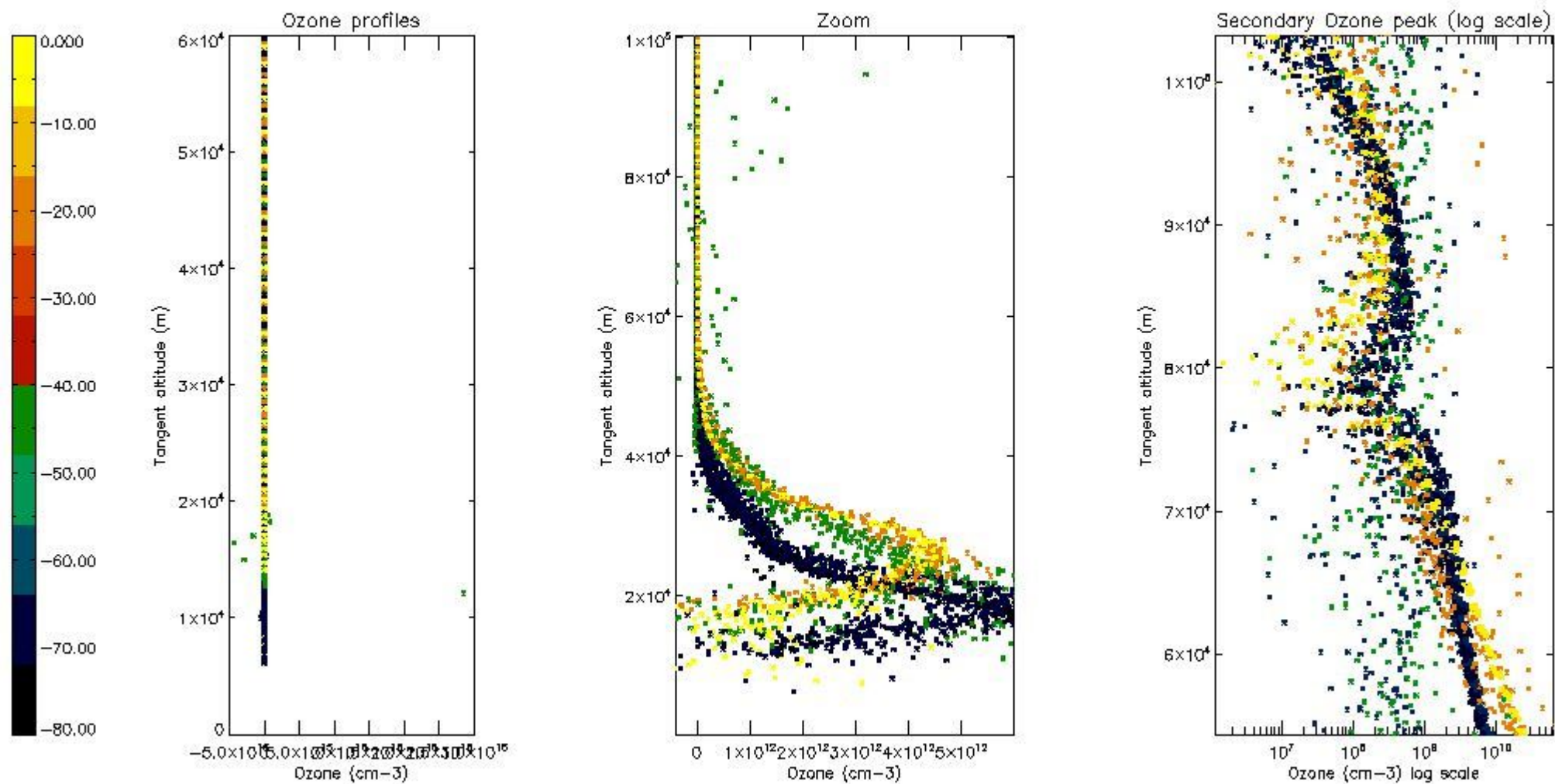
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	36
STD < 20	19

STD < 10	14
STD < 5	10

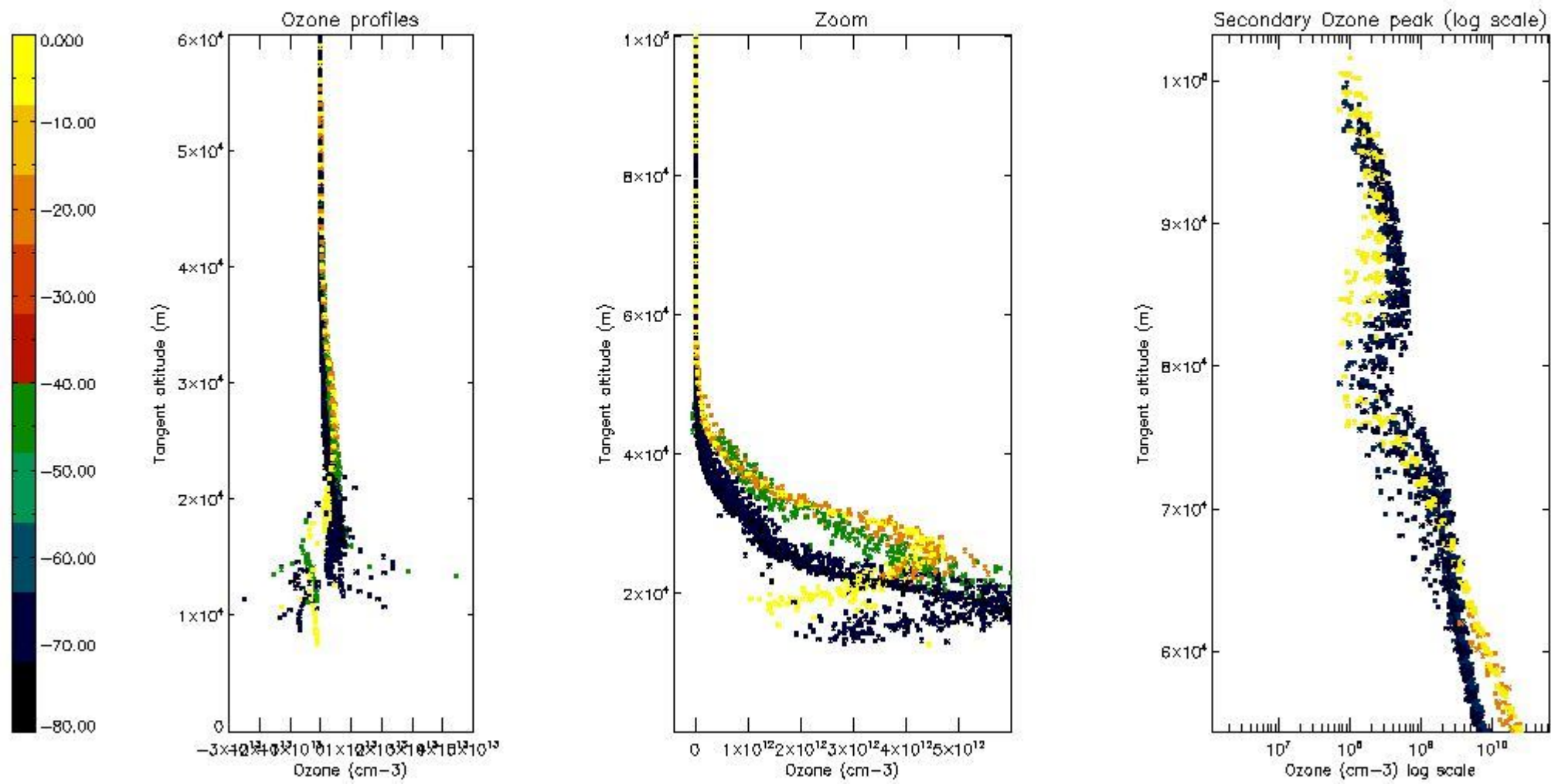
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



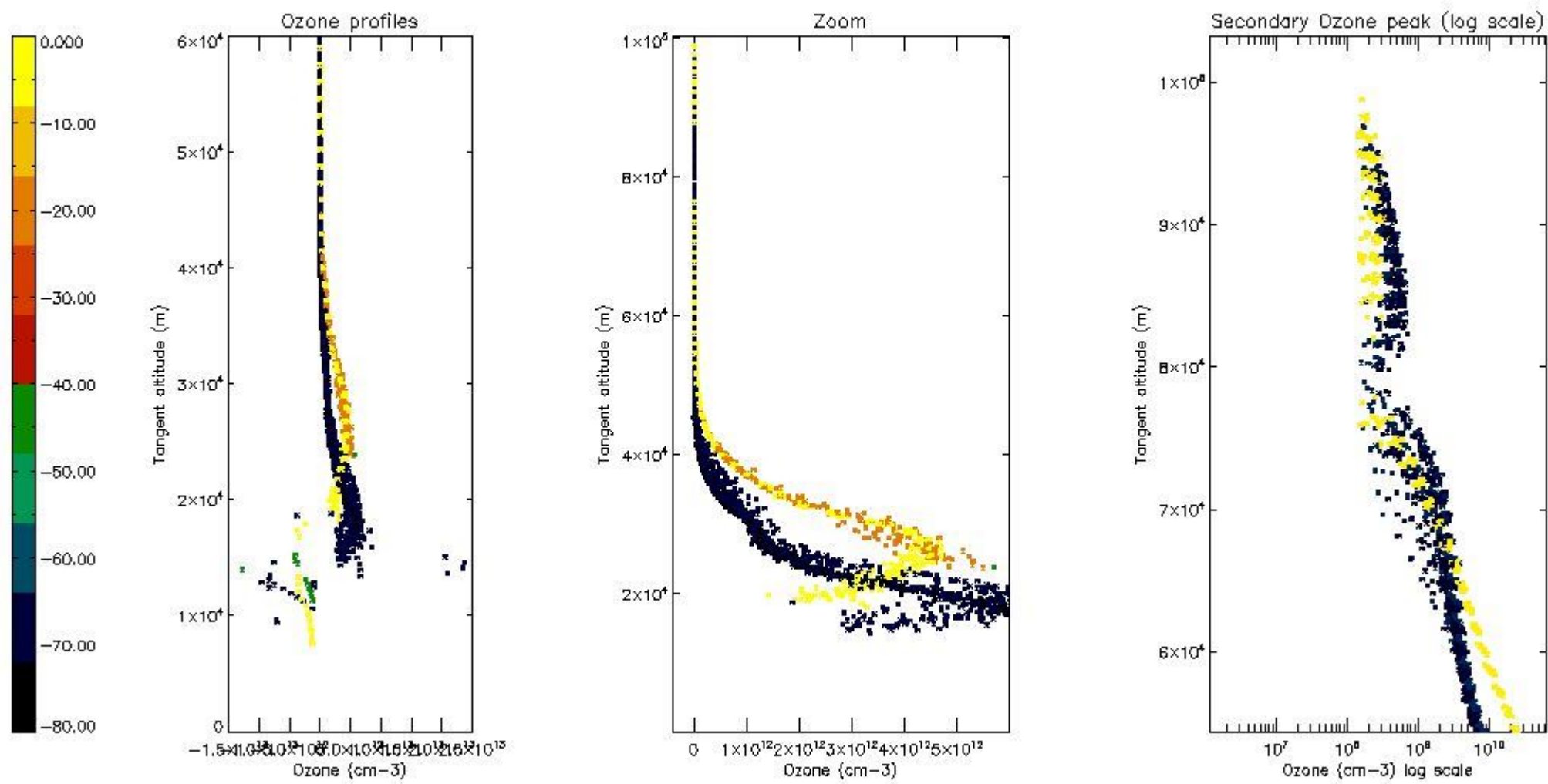
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



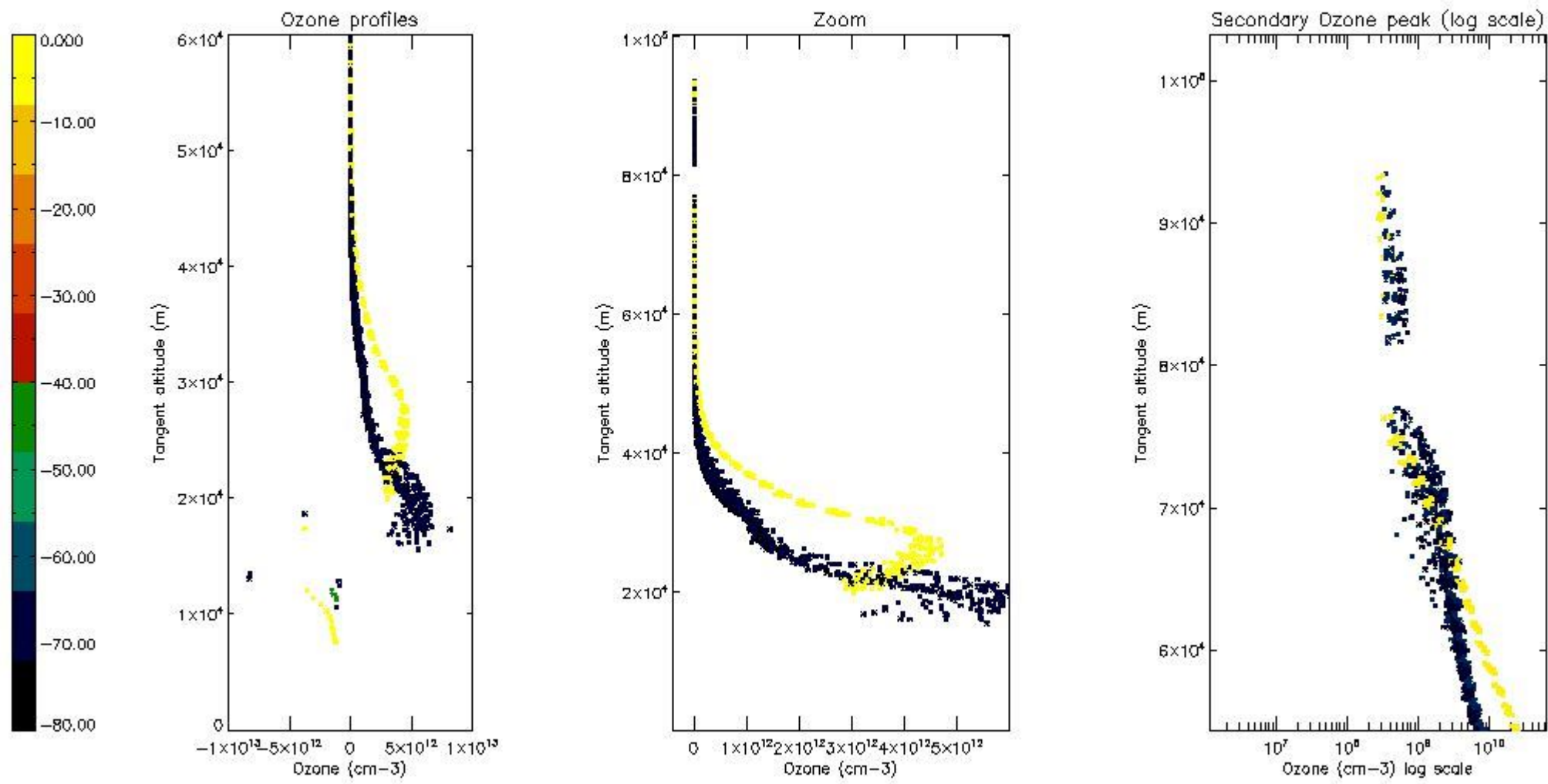
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



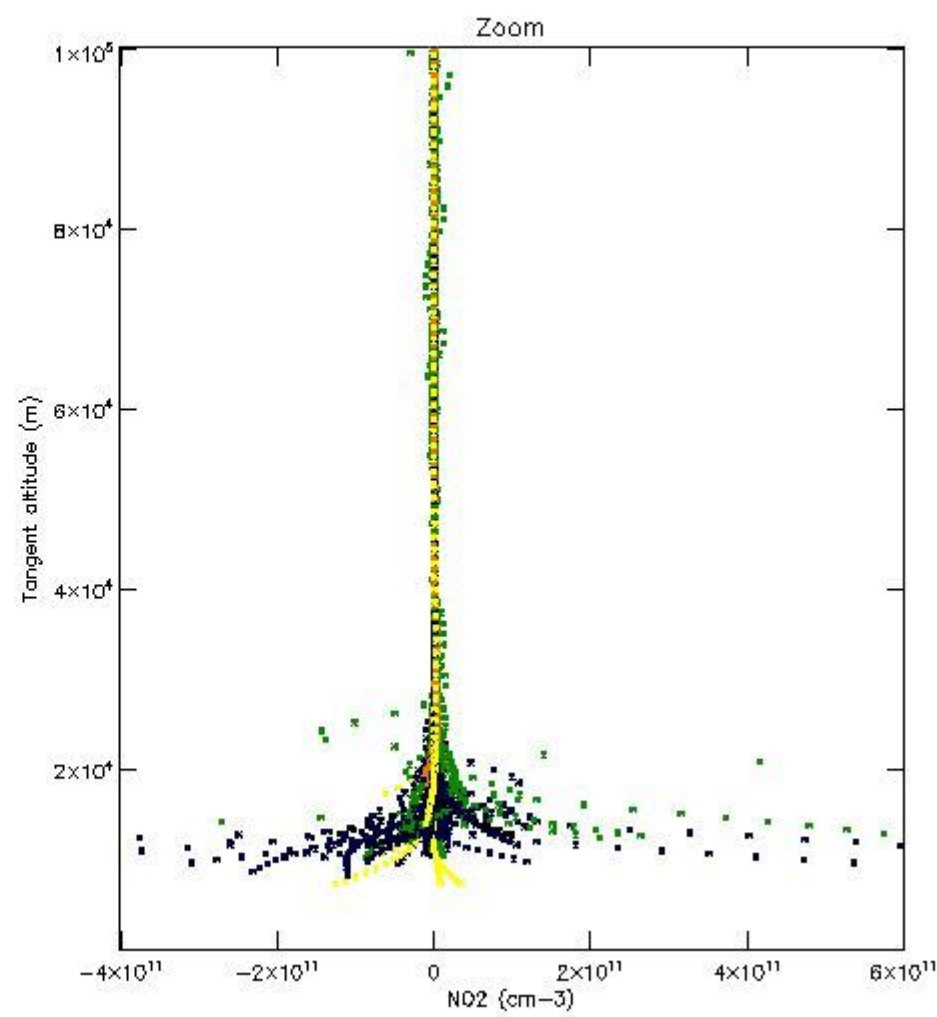
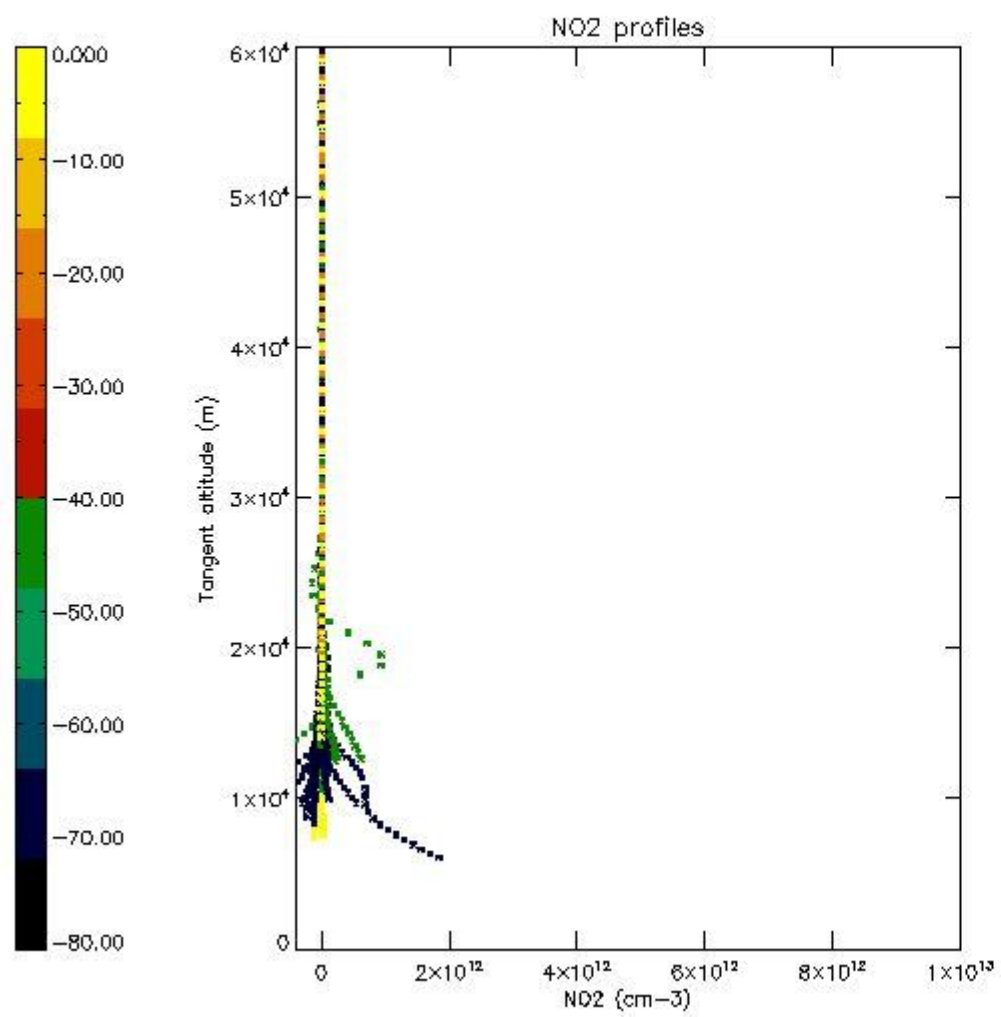
5.5 Plot ozone profiles where $STD < 5\%$ (dark without errors)

The colorbar represents the latitude.



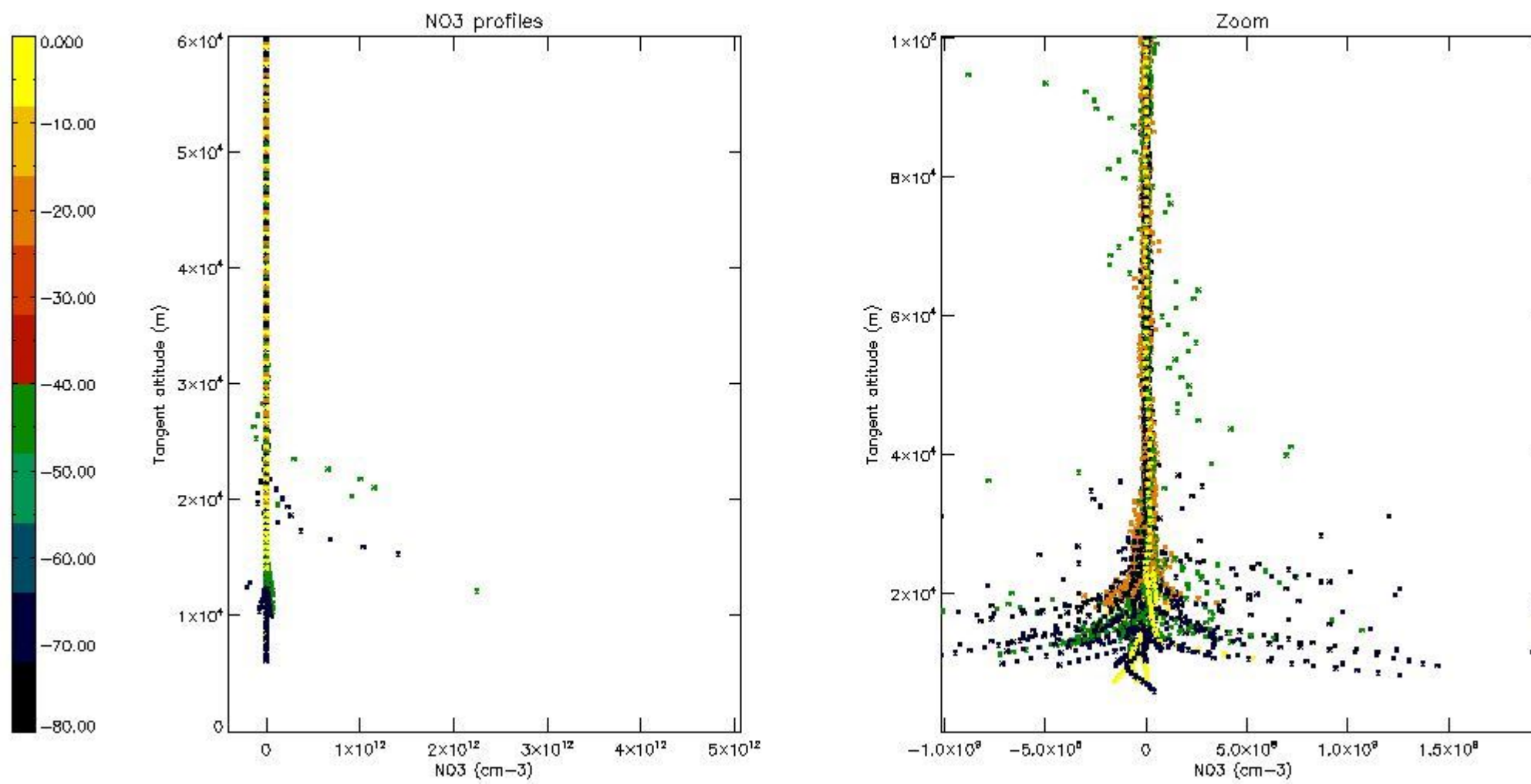
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



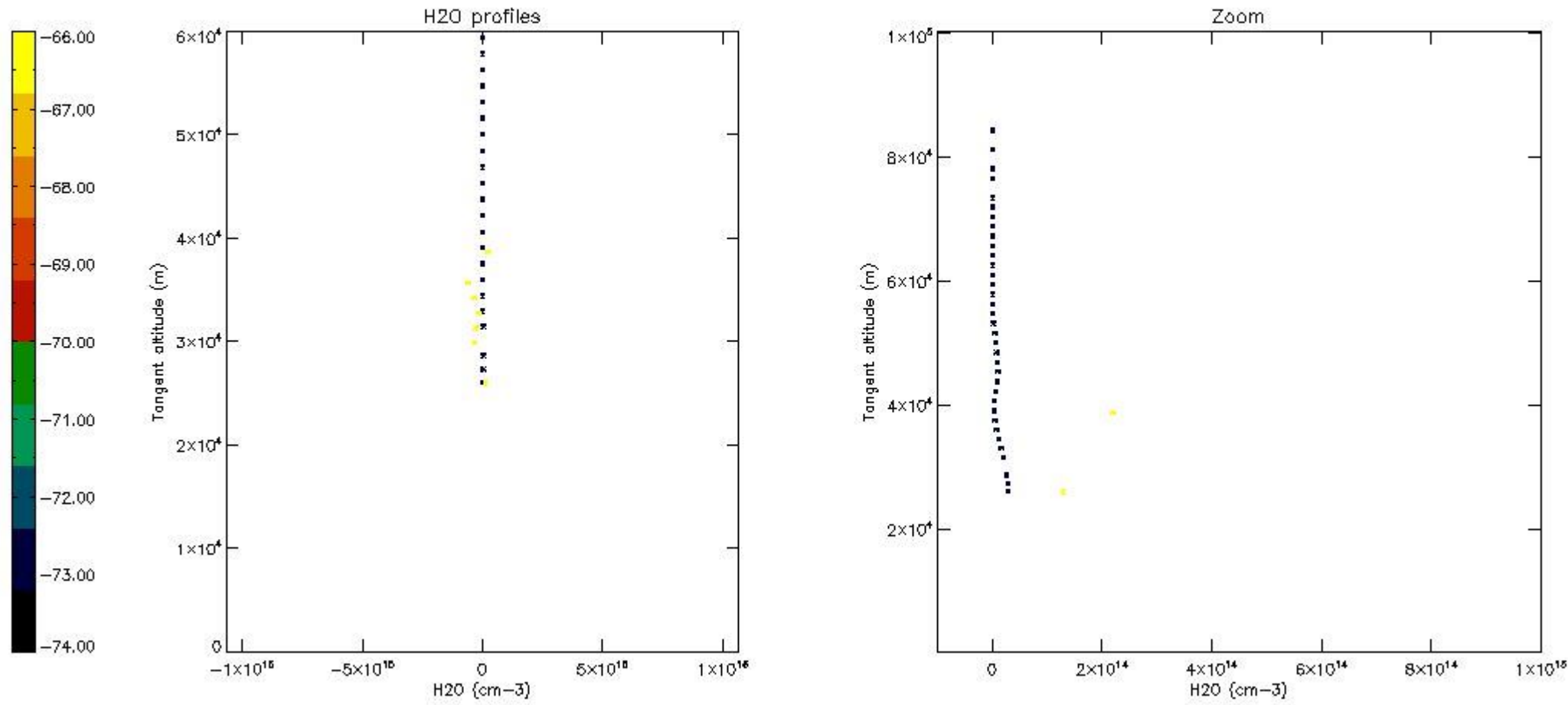
5.7 Plot NO3 profiles for all STD (dark without errors)

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	31-JUL-2011 00:06:03
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	31-JUL-2011 00:06:03
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	31-JUL-2011 00:06:03

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[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 \(world map\)](#)

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

This report presents the daily analysis on parameters extracted from GOMOS level 2 data (GOM_NL__2P).
It is intended to monitor some important parameters that will impact the quality of these products.
A list of level 2 products (and content) that have arrived during the reporting day to the PCF is also given.

Item	Value
Time of report generation	24APR2013 16:21:17
Data source version	GOMOS/6.01
Start time of products	31-07-2011 (31JUL2011 00:00:00)
Stop time of products	01-08-2011 (01AUG2011 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	287
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

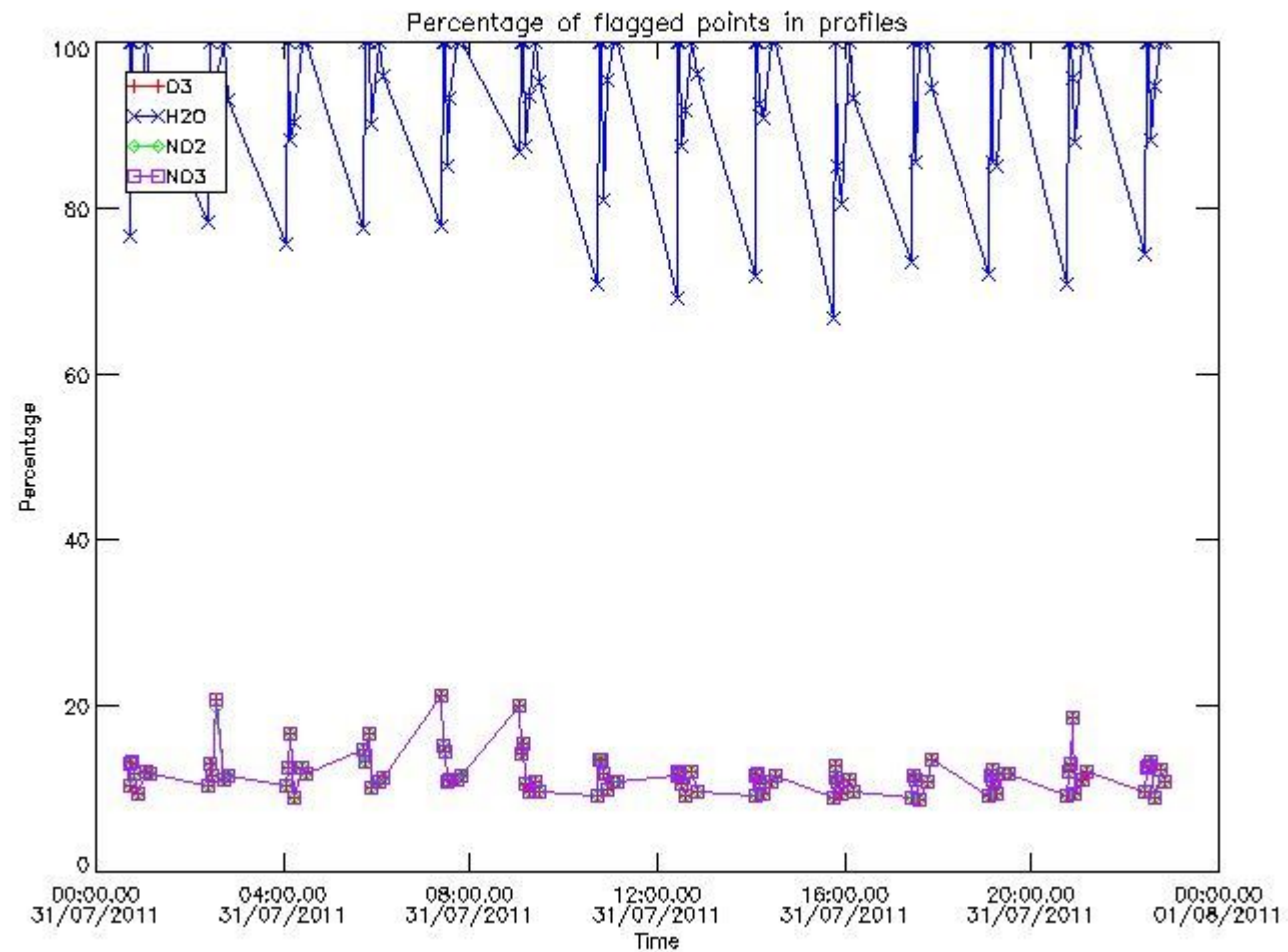
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20110731_000603_000000443105_00088_49240_4091.N1	31-JUL-2011 00:06:03	Bright	44.000	92	53Eps Cyg	2.5000	4500.0	88	49240	No
2	GOM_NL__2PRFIN20110731_000758_000000373105_00088_49240_4092.N1	31-JUL-2011 00:07:58	Bright	37.000	144	18Del Cyg	2.8600	11000.	74	49240	No
3	GOM_NL__2PRFIN20110731_001432_000000373105_00088_49240_4093.N1	31-JUL-2011 00:14:32	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	49240	No
4	GOM_NL__2PRFIN20110731_002916_000000473105_00088_49240_4094.N1	31-JUL-2011 00:29:16	Bright	47.000	160	23Gam Per	2.9300	4700.0	94	49240	No
5	GOM_NL__2PRFIN20110731_003054_000000493105_00088_49240_4095.N1	31-JUL-2011 00:30:54	Bright	48.500	35	33Alp Per	1.7950	6250.0	97	49240	No
6	GOM_NL__2PRFIN20110731_003257_000000423105_00088_49240_4096.N1	31-JUL-2011 00:32:57	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	49240	No
7	GOM_NL__2PRFIN20110731_003450_000000443105_00088_49240_4097.N1	31-JUL-2011 00:34:50	Bright	44.000	149	45Eps Per	2.8880	30000.	88	49240	No
8	GOM_NL__2PRFIN20110731_003754_000000343105_00088_49240_4098.N1	31-JUL-2011 00:37:54	Twilight	34.000	150	44Zet Per	2.8900	28000.	68	49240	No
9	GOM_NL__2PRFIN20110731_004014_000000403105_00088_49240_4099.N1	31-JUL-2011 00:40:14	Twilight	40.000	176	23Zet Tau	3.0200	22000.	80	49240	No
10	GOM_NL__2PRFIN20110731_004242_000000543105_00088_49240_4100.N1	31-JUL-2011 00:42:42	Dark	54.000	13	87Alp Tau	0.86700	3800.0	108	49240	No
11	GOM_NL__2PRFIN20110731_004443_000000403105_00088_49240_4101.N1	31-JUL-2011 00:44:43	Dark	39.500	27	24Gam Ori	1.6360	26000.	79	49240	No
12	GOM_NL__2PRFIN20110731_004628_000000393105_00088_49240_4102.N1	31-JUL-2011 00:46:28	Dark	38.500	72	34Del Ori	2.2500	30000.	77	49240	No
13	GOM_NL__2PRFIN20110731_004905_000000433105_00088_49240_4103.N1	31-JUL-2011 00:49:05	Dark	43.000	7	19Bet Ori	0.10000	14000.	86	49240	No
14	GOM_NL__2PRFIN20110731_005337_000000553105_00088_49240_4104.N1	31-JUL-2011 00:53:37	Dark	54.500	165	34Gam Eri	2.9500	3200.0	109	49240	No
15	GOM_NL__2PRFIN20110731_010300_000000473105_00088_49240_4105.N1	31-JUL-2011 01:03:00	Dark	46.500	157	The1Eri	2.9060	9300.0	93	49240	No
16	GOM_NL__2PRFIN20110731_010831_000000443105_00089_49241_4092.N1	31-JUL-2011 01:08:31	Dark	43.500	9	Alp Eri	0.45300	24000.	87	49241	No
17	GOM_NL__2PRFIN20110731_011314_000000543105_00089_49241_4093.N1	31-JUL-2011 01:13:14	Straylight	54.000	84	Alp Phe	2.3970	4500.0	108	49241	No
18	GOM_NL__2PRFIN20110731_011841_000000433105_00089_49241_4094.N1	31-JUL-2011 01:18:41	Straylight	42.500	31	Alp Gru	1.7340	15200.	85	49241	No
19	GOM_NL__2PRFIN20110731_012149_000000463105_00089_49241_4095.N1	31-JUL-2011 01:21:49	Straylight	45.500	172	Gam Gru	3.0030	13100.	91	49241	No
20	GOM_NL__2PRFIN20110731_013738_000000393105_00089_49241_4096.N1	31-JUL-2011 01:37:38	Bright	38.500	11	53Alp Aql	0.76500	8000.0	77	49241	No
21	GOM_NL__2PRFIN20110731_014616_000000463105_00089_49241_4097.N1	31-JUL-2011 01:46:16	Bright	45.500	92	53Eps Cyg	2.5000	4500.0	91	49241	No
22	GOM_NL__2PRFIN20110731_014811_000000383105_00089_49241_4098.N1	31-JUL-2011 01:48:11	Bright	38.000	144	18Del Cyg	2.8600	11000.	76	49241	No
23	GOM_NL__2PRFIN20110731_015446_000000423105_00089_49241_4099.N1	31-JUL-2011 01:54:46	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	49241	No
24	GOM_NL__2PRFIN20110731_020929_000000513105_00089_49241_4100.N1	31-JUL-2011 02:09:29	Bright	51.000	160	23Gam Per	2.9300	4700.0	102	49241	No
25	GOM_NL__2PRFIN20110731_021108_000000483105_00089_49241_4101.N1	31-JUL-2011 02:11:08	Bright	47.500	35	33Alp Per	1.7950	6250.0	95	49241	No
26	GOM_NL__2PRFIN20110731_021311_000000443105_00089_49241_4102.N1	31-JUL-2011 02:13:11	Bright	44.000	6	13Alp Aur	0.080000	3400.0	88	49241	No
27	GOM_NL__2PRFIN20110731_021504_000000443105_00089_49241_4103.N1	31-JUL-2011 02:15:04	Bright	43.500	149	45Eps Per	2.8880	30000.	87	49241	No
28	GOM_NL__2PRFIN20110731_021808_000000343105_00089_49241_4104.N1	31-JUL-2011 02:18:08	Twilight	34.000	150	44Zet Per	2.8900	28000.	68	49241	No
29	GOM_NL__2PRFIN20110731_022028_000000383105_00089_49241_4105.N1	31-JUL-2011 02:20:28	Twilight	38.000	176	23Zet Tau	3.0200	22000.	76	49241	No
30	GOM_NL__2PRFIN20110731_022256_000000493105_00089_49241_4106.N1	31-JUL-2011 02:22:56	Dark	49.000	13	87Alp Tau	0.86700	3800.0	98	49241	No
31	GOM_NL__2PRFIN20110731_022457_000000403105_00089_49241_4107.N1	31-JUL-2011 02:24:57	Dark	39.500	27	24Gam Ori	1.6360	26000.	79	49241	No
32	GOM_NL__2PRFIN20110731_022642_000000393105_00089_49241_4108.N1	31-JUL-2011 02:26:42	Dark	39.000	72	34Del Ori	2.2500	30000.	78	49241	No
33	GOM_NL__2PRFIN20110731_022919_000000453105_00089_49241_4109.N1	31-JUL-2011 02:29:19	Dark	44.500	7	19Bet Ori	0.10000	14000.	89	49241	No
34	GOM_NL__2PRFIN20110731_023351_000000573105_00089_49241_4110.N1	31-JUL-2011 02:33:51	Dark	56.500	165	34Gam Eri	2.9500	3200.0	113	49241	No
35	GOM_NL__2PRFIN20110731_024315_000000463105_00089_49241_4111.N1	31-JUL-2011 02:43:15	Dark	46.000	157	The1Eri	2.9060	9300.0	92	49241	No
36	GOM_NL__2PRFIN20110731_024845_000000443105_00090_49242_4103.N1	31-JUL-2011 02:48:45	Dark	44.000	9	Alp Eri	0.45300	24000.	88	49242	No
37	GOM_NL__2PRFIN20110731_025329_000000543105_00090_49242_4104.N1	31-JUL-2011 02:53:29	Straylight	54.000	84	Alp Phe	2.3970	4500.0	108	49242	No
38	GOM_NL__2PRFIN20110731_025856_000000443105_00090_49242_4105.N1	31-JUL-2011 02:58:56	Straylight	44.000	31	Alp Gru	1.7340	15200.	88	49242	No
39	GOM_NL__2PRFIN20110731_030204_000000463105_00090_49242_4106.N1	31-JUL-2011 03:02:04	Straylight	45.500	172	Gam Gru	3.0030	13100.	91	49242	No
40	GOM_NL__2PRFIN20110731_031752_000000413105_00090_49242_4107.N1	31-JUL-2011 03:17:52	Bright	40.500	11	53Alp Aql	0.76500	8000.0	81	49242	No
41	GOM_NL__2PRFIN20110731_032630_000000453105_00090_49242_4108.N1	31-JUL-2011 03:26:30	Bright	45.000	92	53Eps Cyg	2.5000	4500.0	90	49242	No
42	GOM_NL__2PRFIN20110731_032825_000000383105_00090_49242_4109.N1	31-JUL-2011 03:28:25	Bright	38.000	144	18Del Cyg	2.8600	11000.	76	49242	No

279	GOM_NL__2PRFIN20110731_230457_000000463105_00102_49254_5971.N1	31-JUL-2011 23:04:57	Straylight	45.500	172	Gam Gru	3.0030	13100.	91	49254	No
280	GOM_NL__2PRFIN20110731_232039_000000383105_00102_49254_5972.N1	31-JUL-2011 23:20:39	Bright	38.000	11	53Alp Aql	0.76500	8000.0	76	49254	No
281	GOM_NL__2PRFIN20110731_232911_000000453105_00102_49254_5973.N1	31-JUL-2011 23:29:11	Bright	44.500	92	53Eps Cyg	2.5000	4500.0	89	49254	No
282	GOM_NL__2PRFIN20110731_233110_000000363105_00102_49254_5974.N1	31-JUL-2011 23:31:10	Bright	35.500	144	18Del Cyg	2.8600	11000.	71	49254	No
283	GOM_NL__2PRFIN20110731_233742_000000413105_00102_49254_5975.N1	31-JUL-2011 23:37:42	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	49254	No
284	GOM_NL__2PRFIN20110731_235226_000000583105_00102_49254_5976.N1	31-JUL-2011 23:52:26	Bright	58.000	160	23Gam Per	2.9300	4700.0	116	49254	No
285	GOM_NL__2PRFIN20110731_235406_000000503105_00102_49254_5977.N1	31-JUL-2011 23:54:06	Bright	49.500	35	33Alp Per	1.7950	6250.0	99	49254	No
286	GOM_NL__2PRFIN20110731_235613_000000443105_00102_49254_5978.N1	31-JUL-2011 23:56:13	Bright	44.000	6	13Alp Aur	0.080000	3400.0	88	49254	No
287	GOM_NL__2PRFIN20110731_235805_000000453105_00102_49254_5979.N1	31-JUL-2011 23:58:05	Bright	44.500	149	45Eps Per	2.8880	30000.	89	49254	No

3. Quality information per product

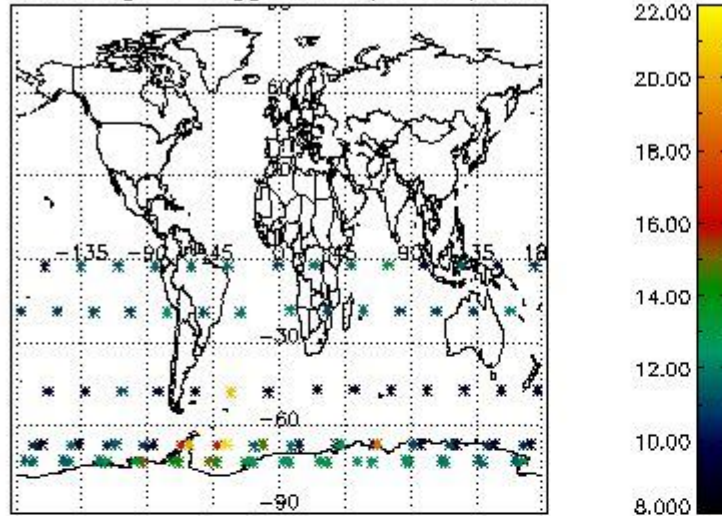
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

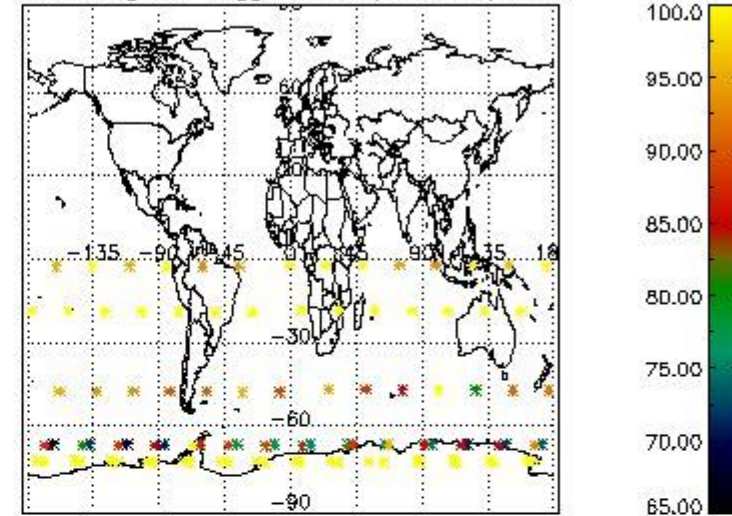


3.2 Plot quality information per product (world map)

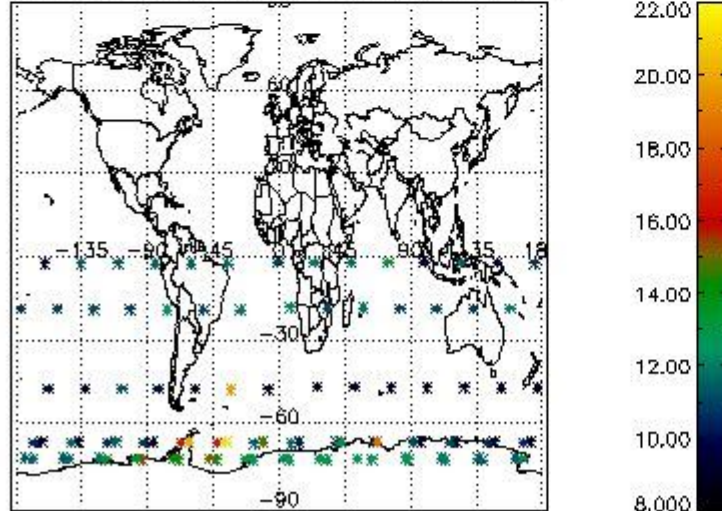
Percentage of flagged data per O3 profile



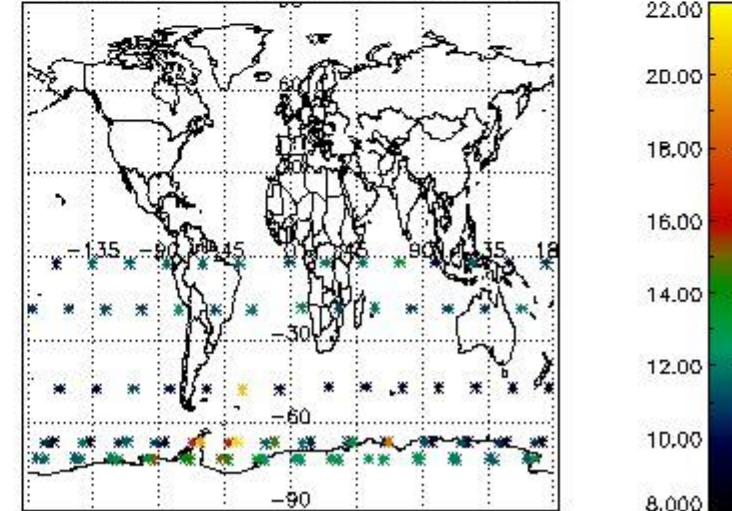
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

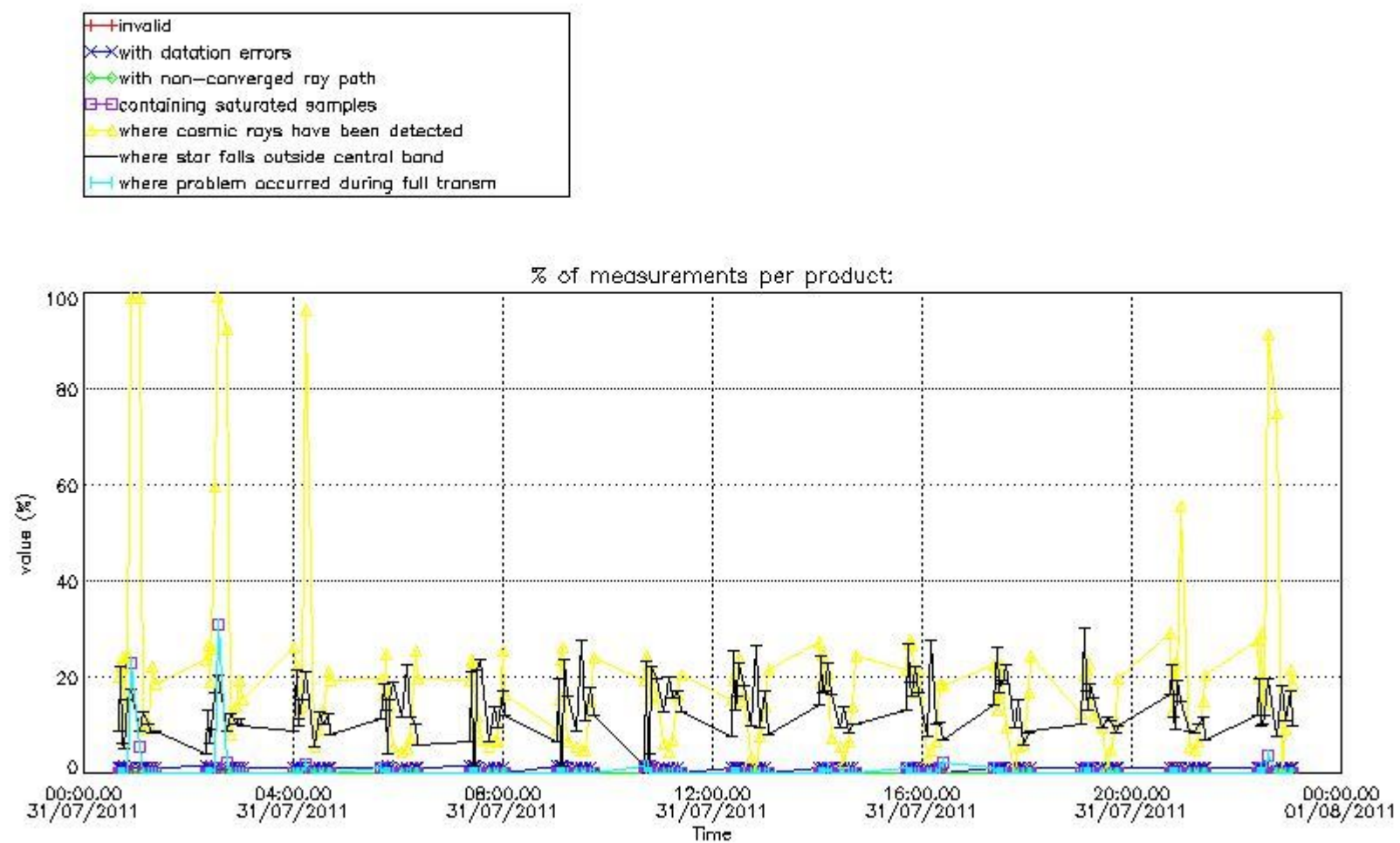


4. Level 1 quality information per product

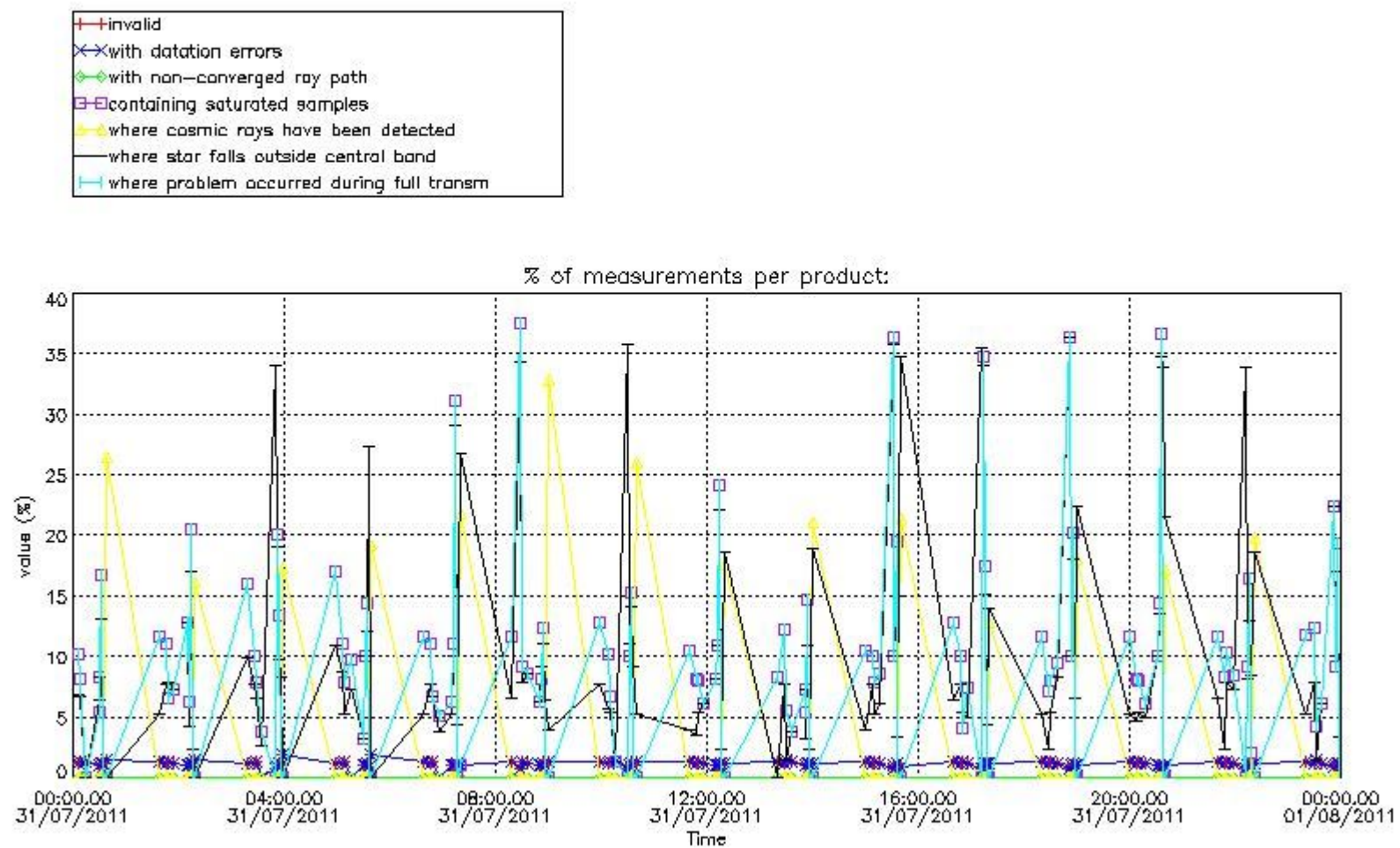
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



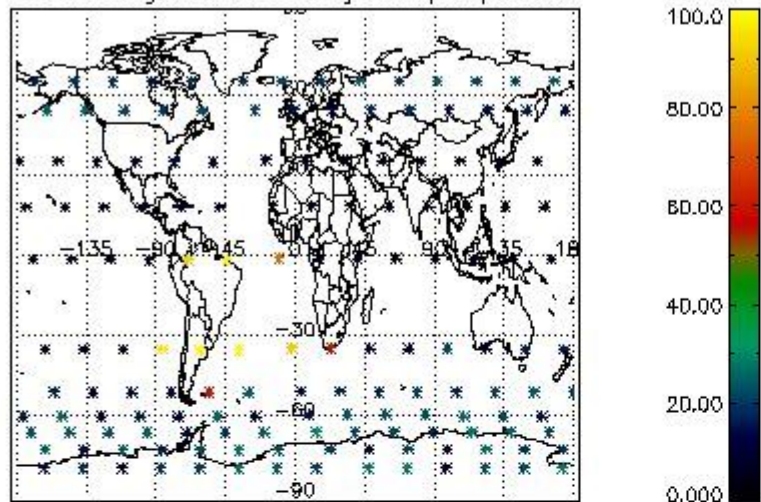
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



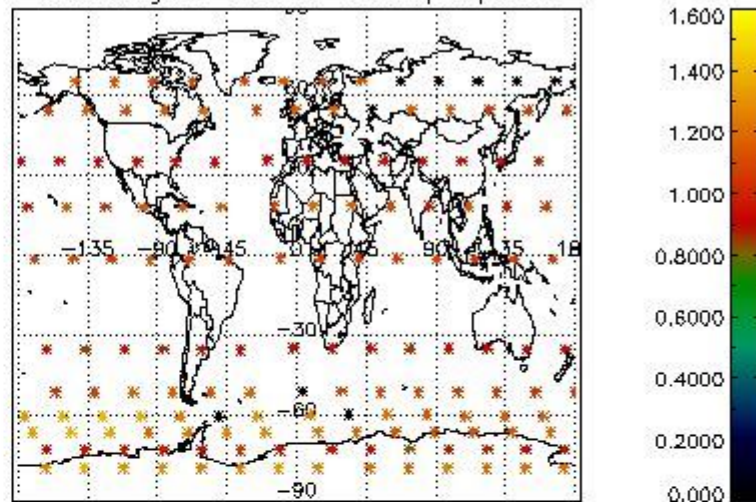
4.2 Plot quality information per product coming from level 1b processing (world map)

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

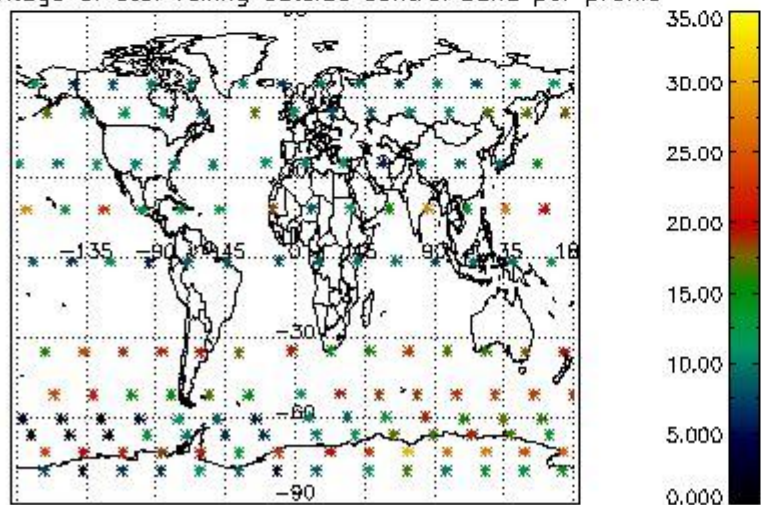
Percentage of cosmic ray hits per profile



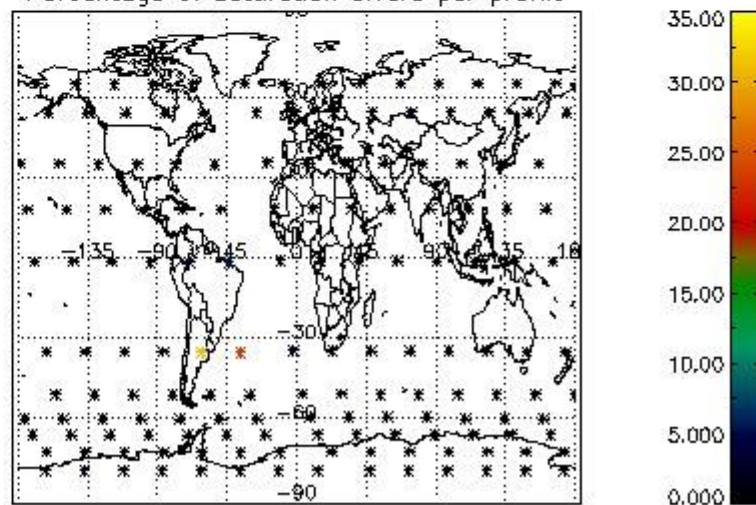
Percentage of datation errors per profile



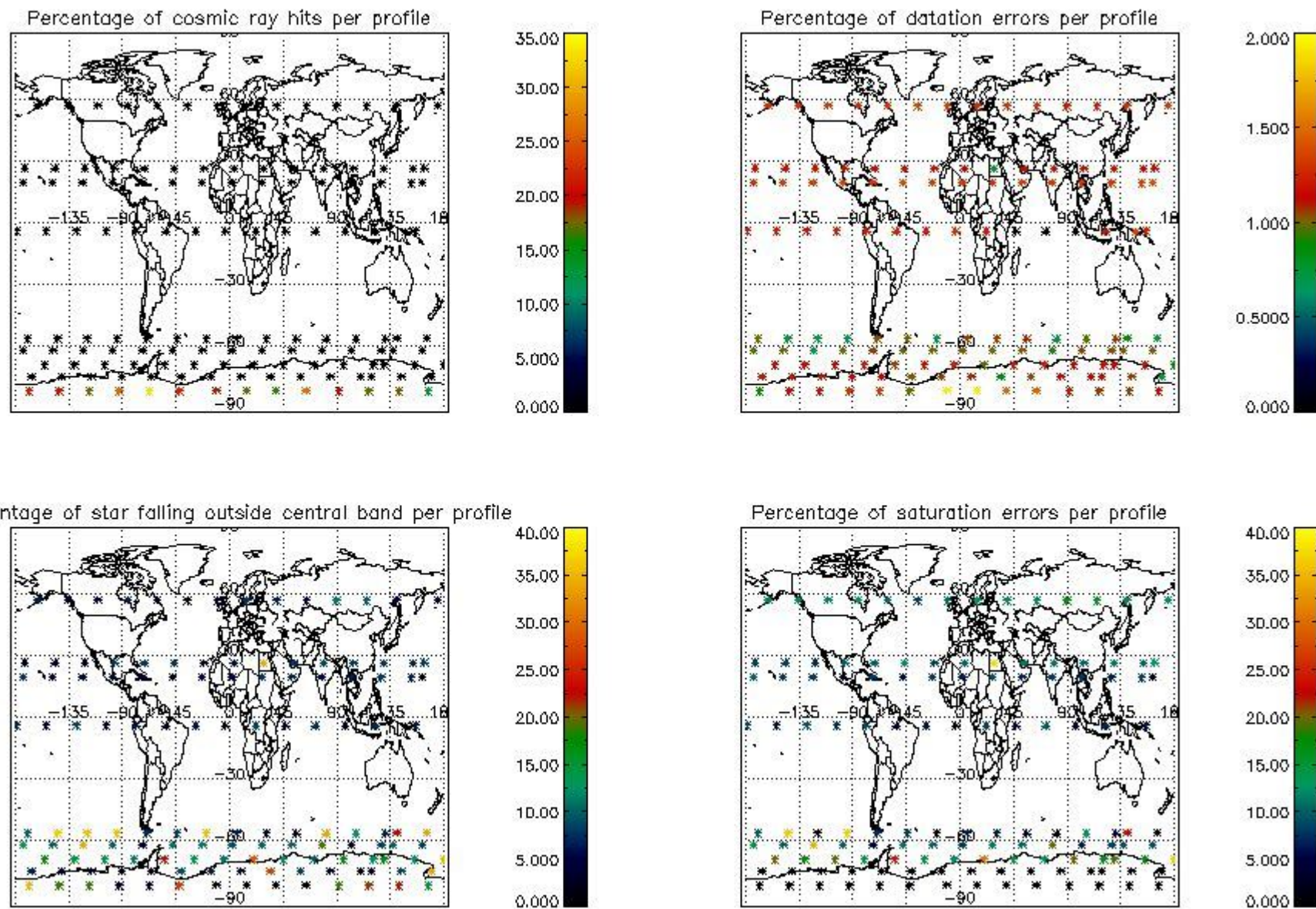
Percentage of star falling outside central band per profile



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

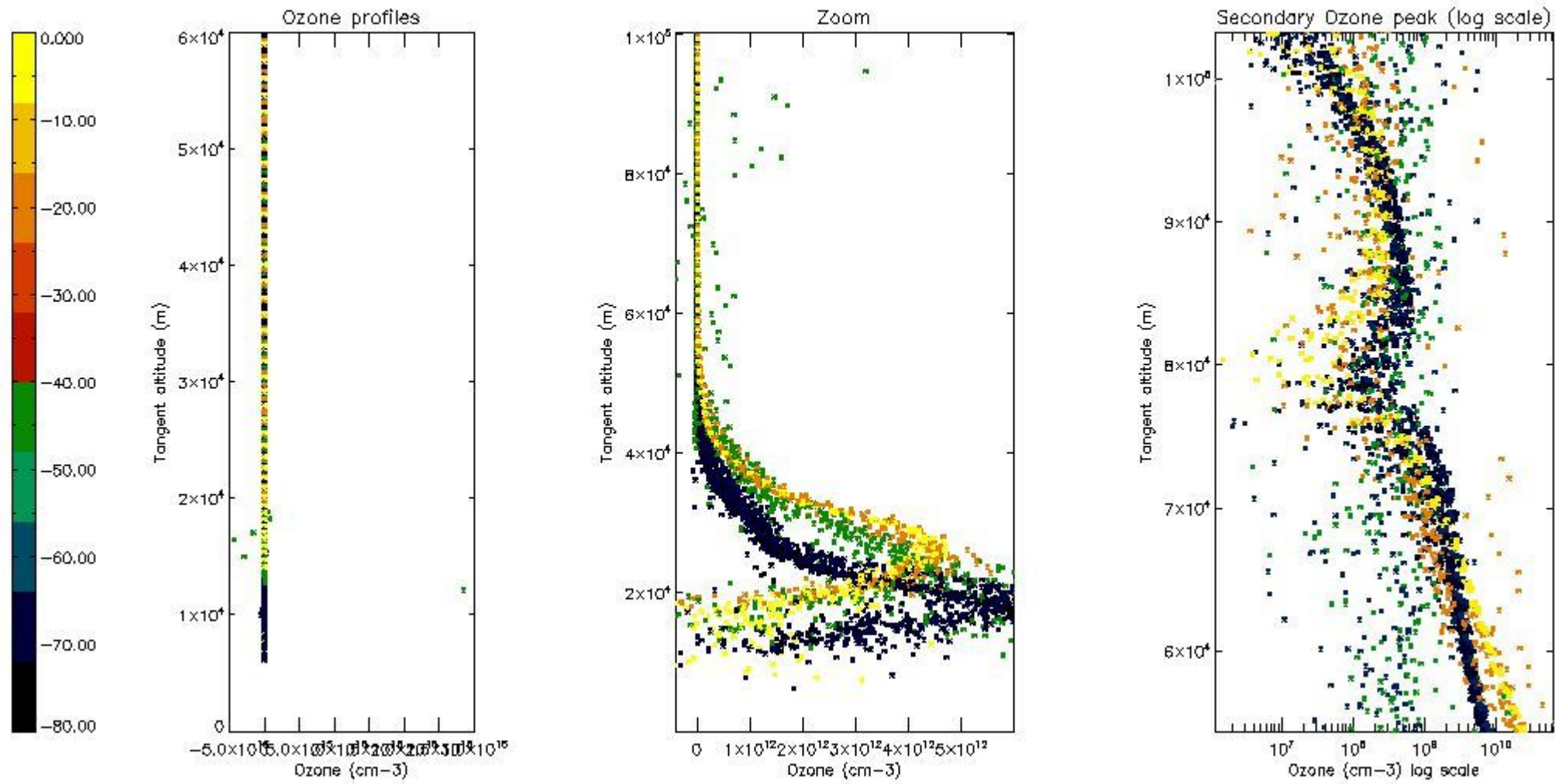
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	36
STD < 20	19

STD < 10	14
STD < 5	10

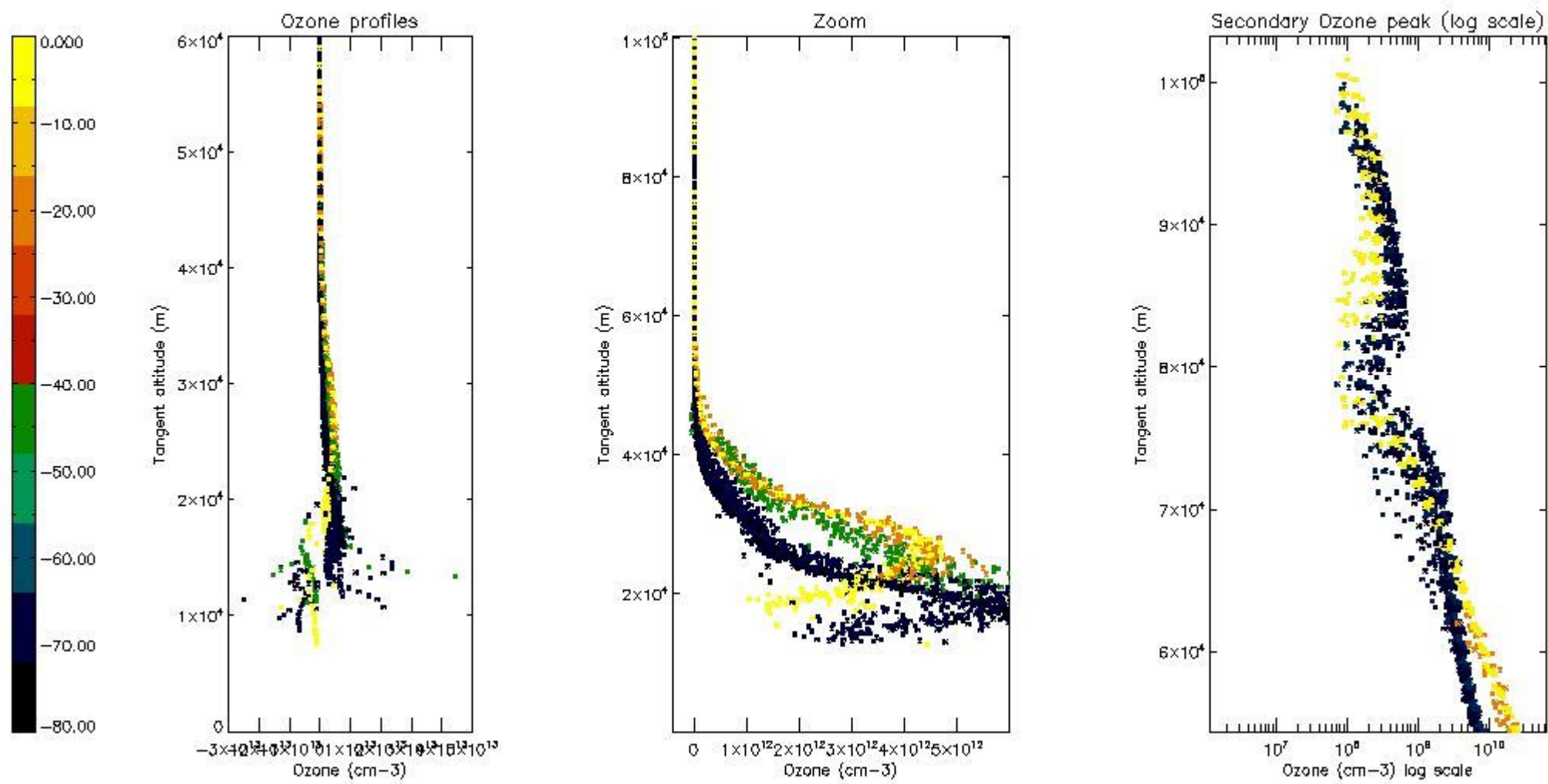
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



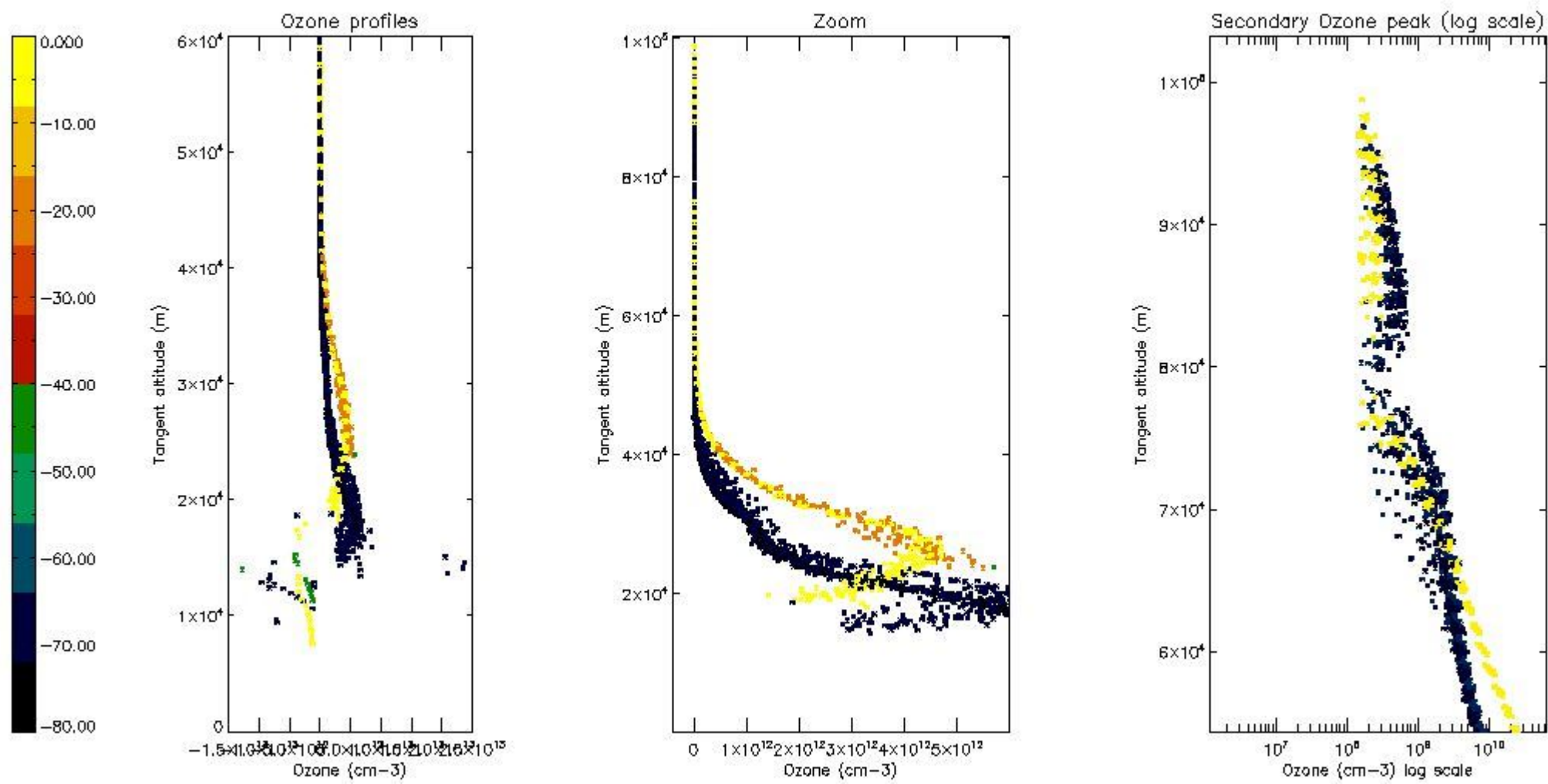
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



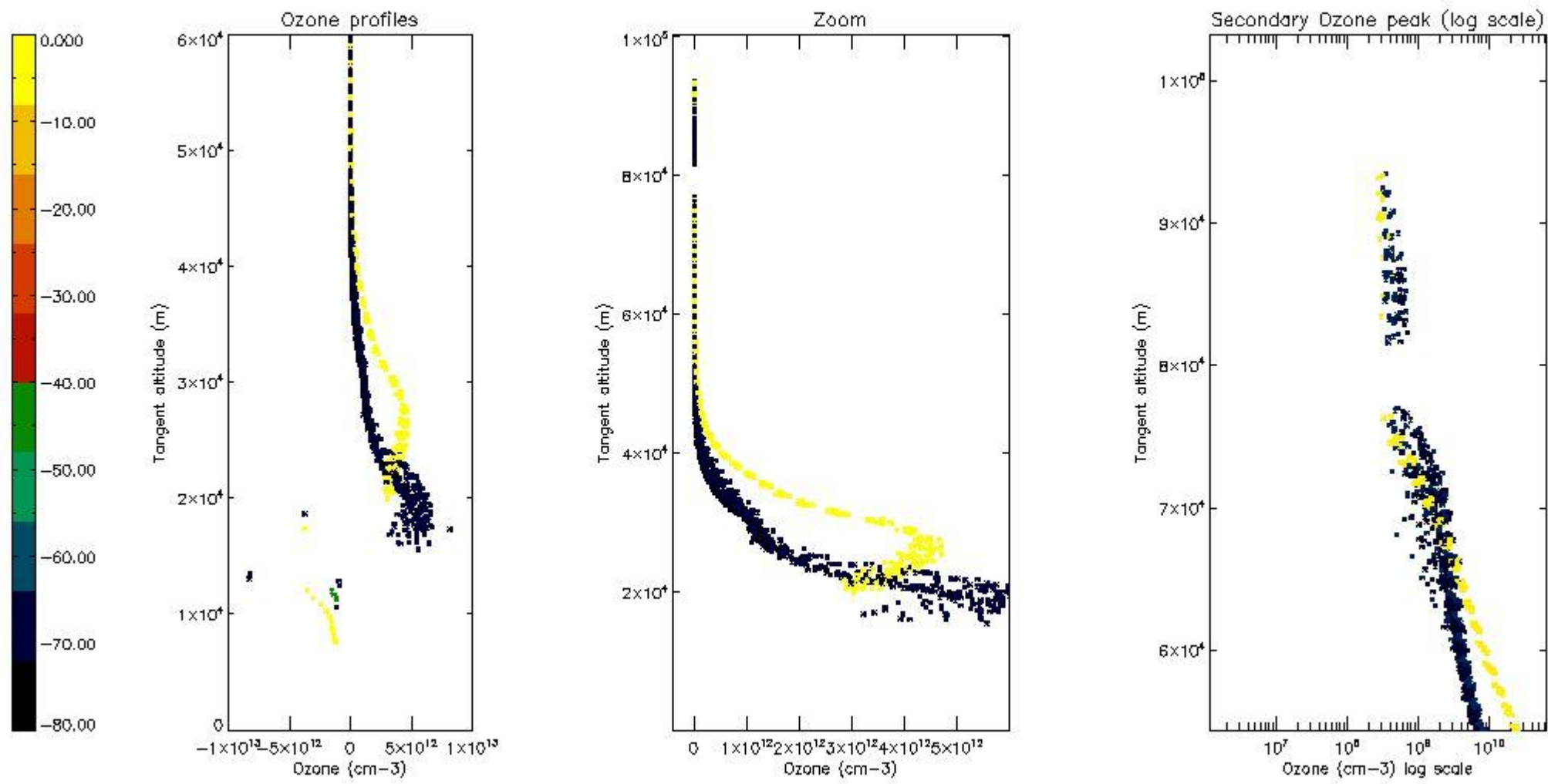
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



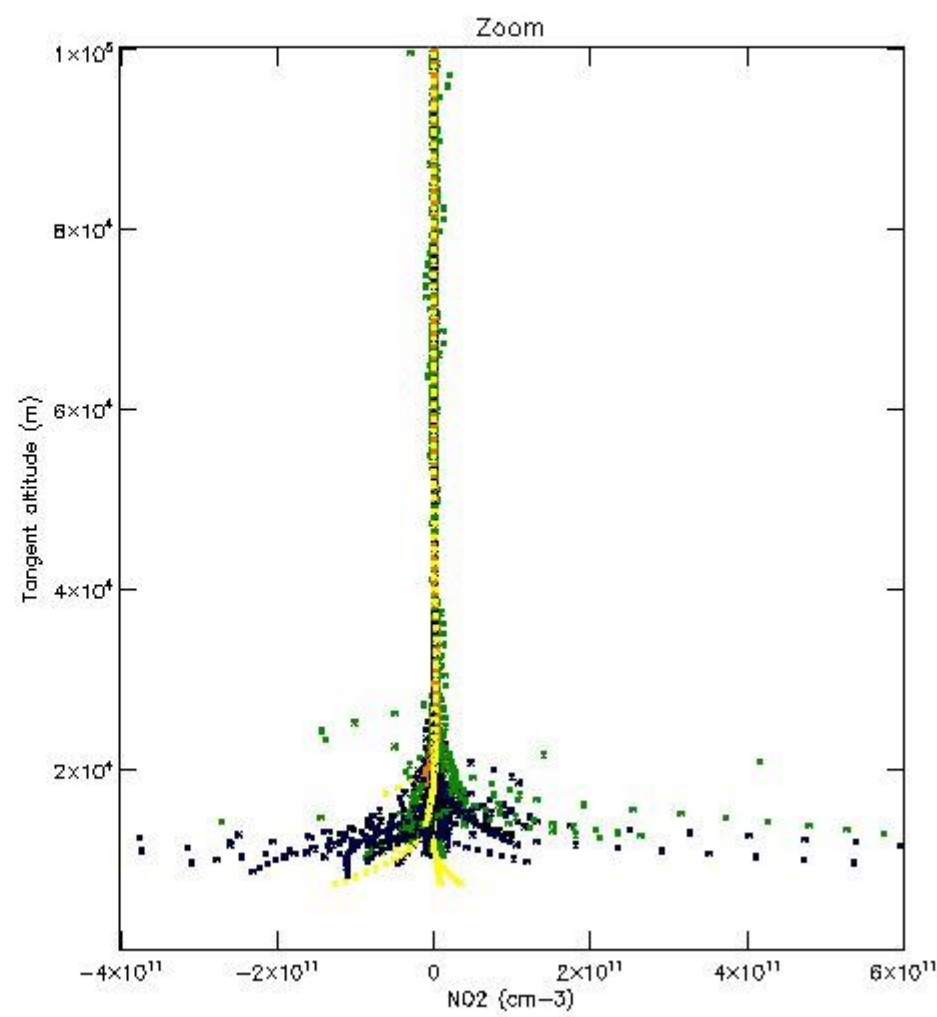
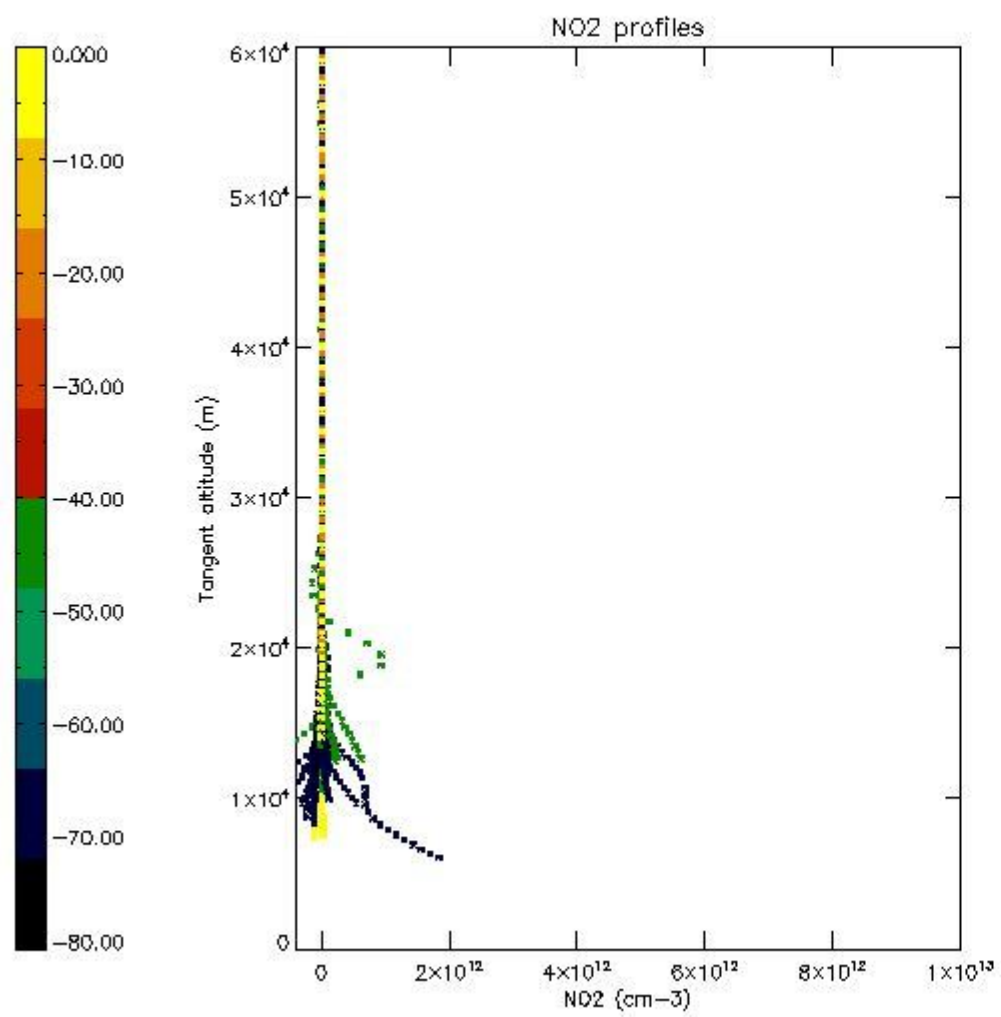
5.5 Plot ozone profiles where $STD < 5\%$ (dark without errors)

The colorbar represents the latitude.



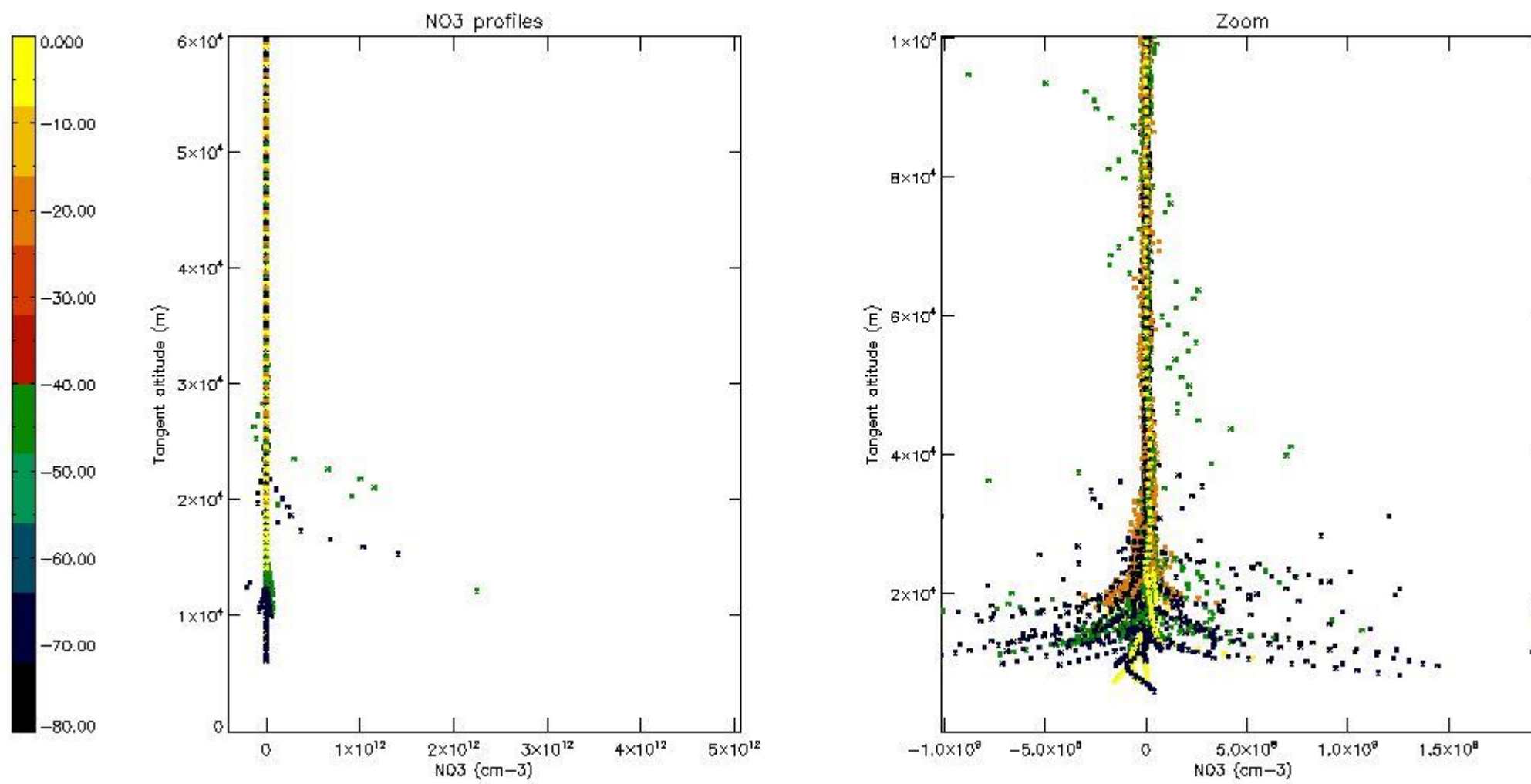
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



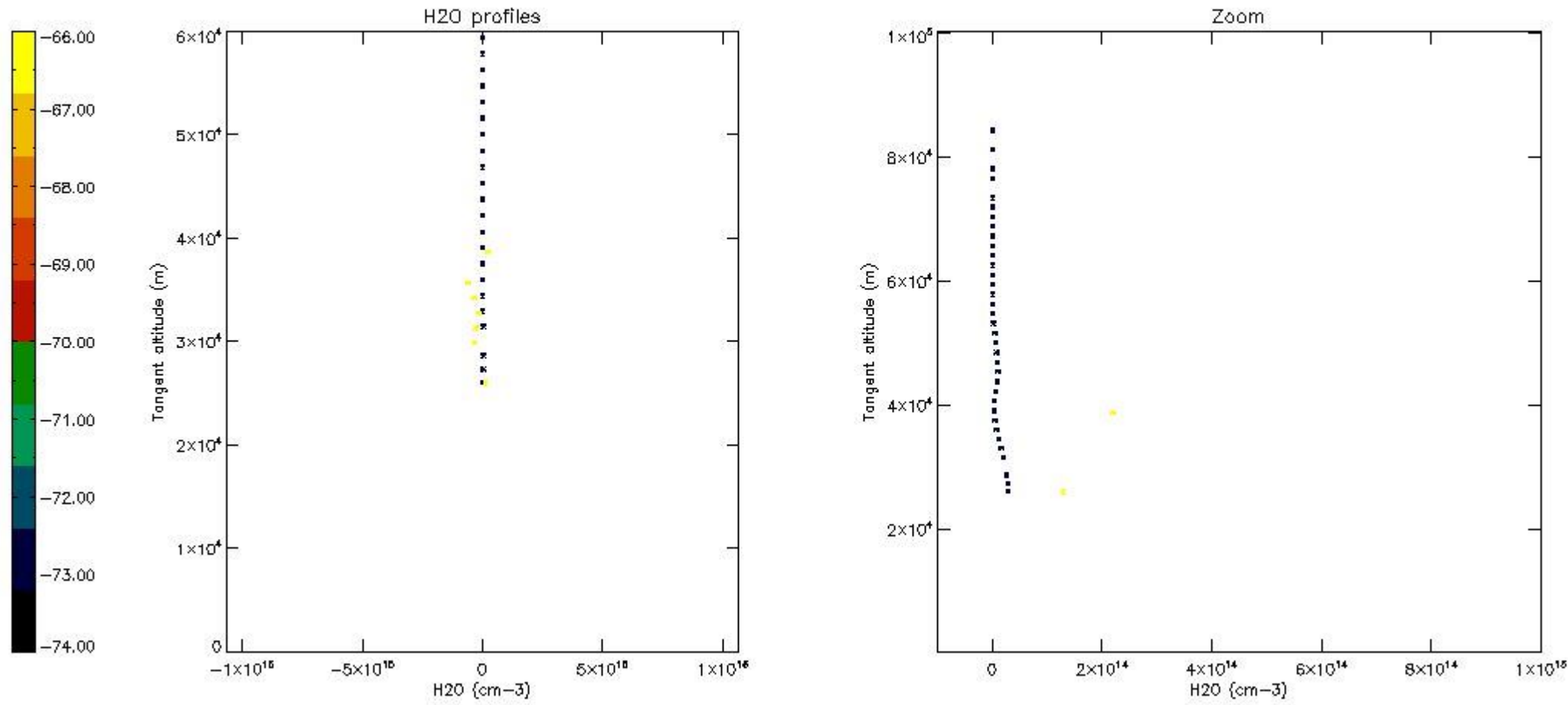
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

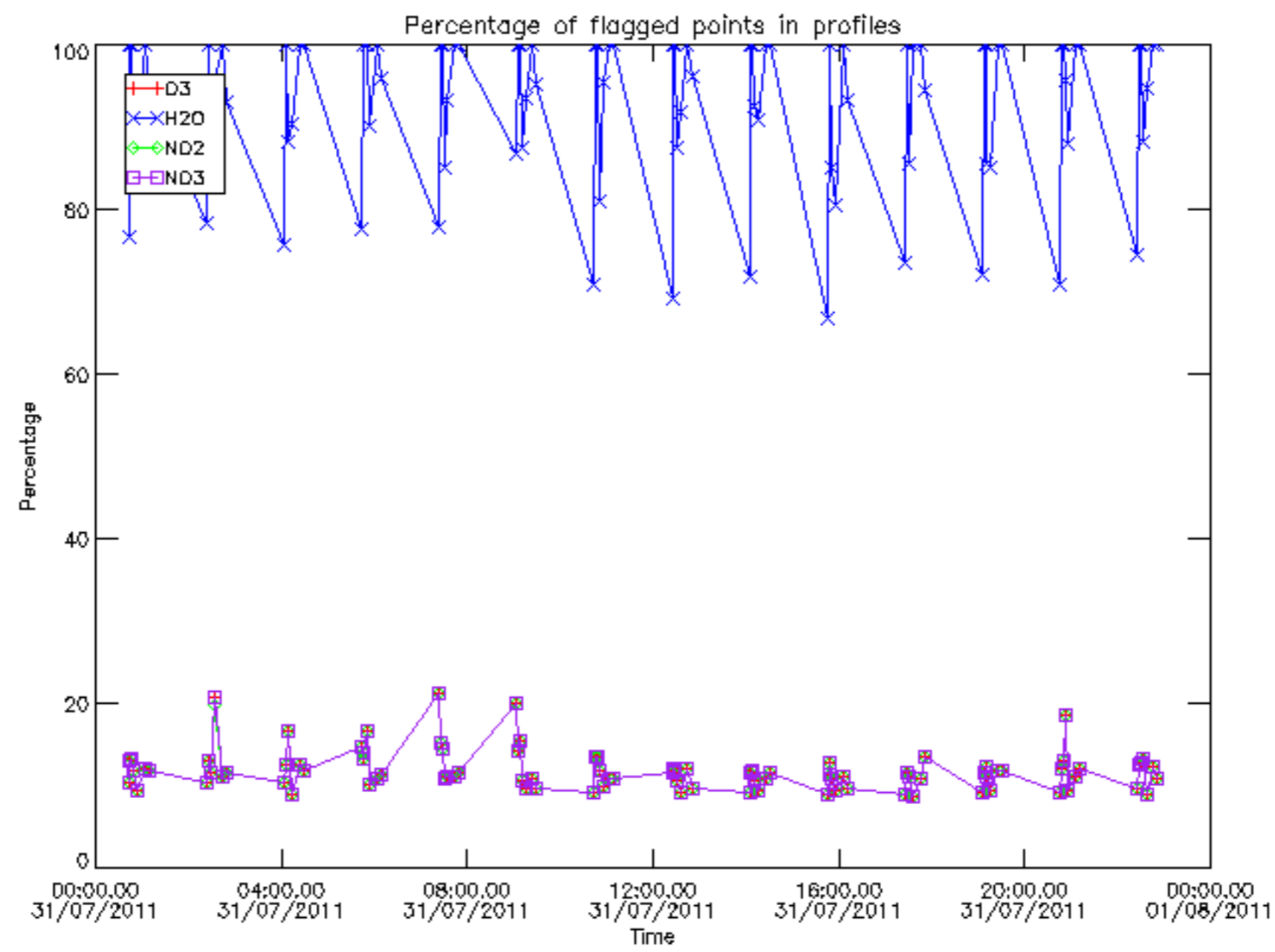
The colorbar represents the latitude.



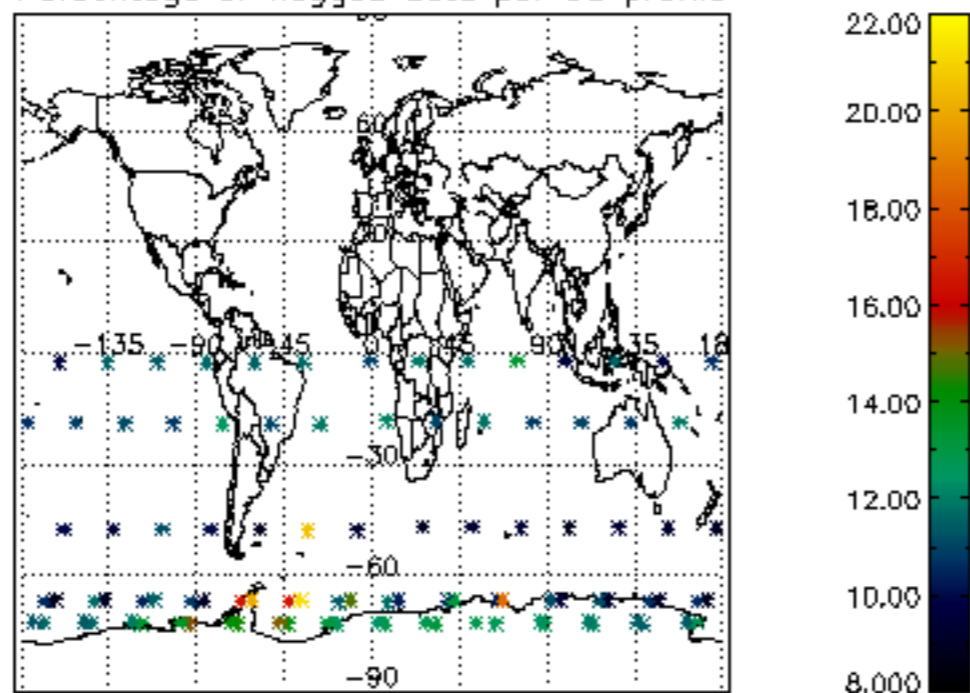
6. Auxiliary Data Files used for the production reported in section 2

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.

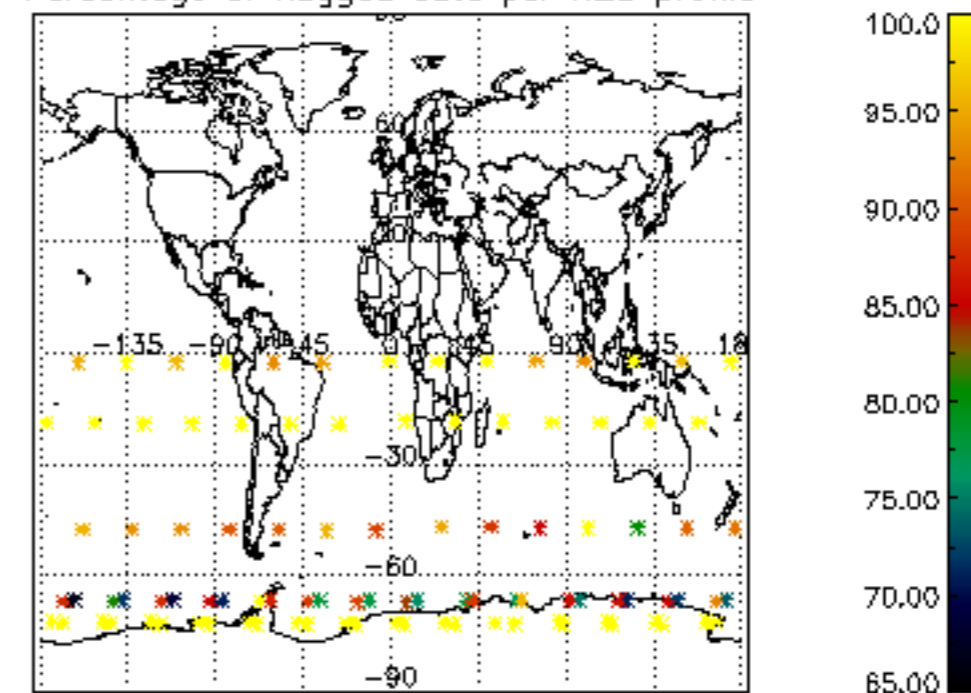
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	31-JUL-2011 00:06:03
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	31-JUL-2011 00:06:03
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	31-JUL-2011 00:06:03



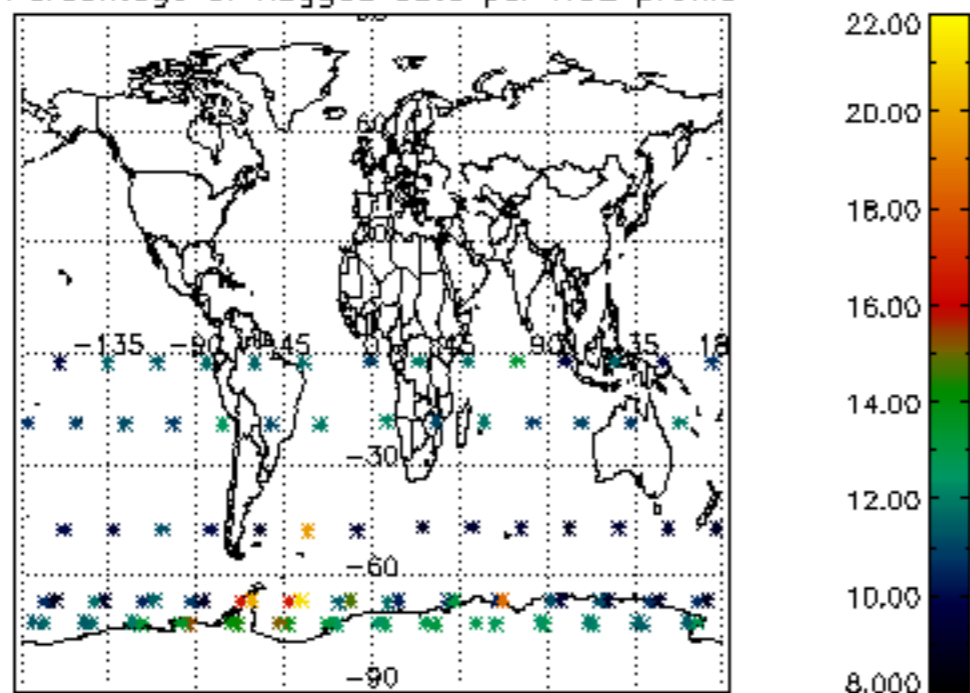
Percentage of flagged data per D3 profile



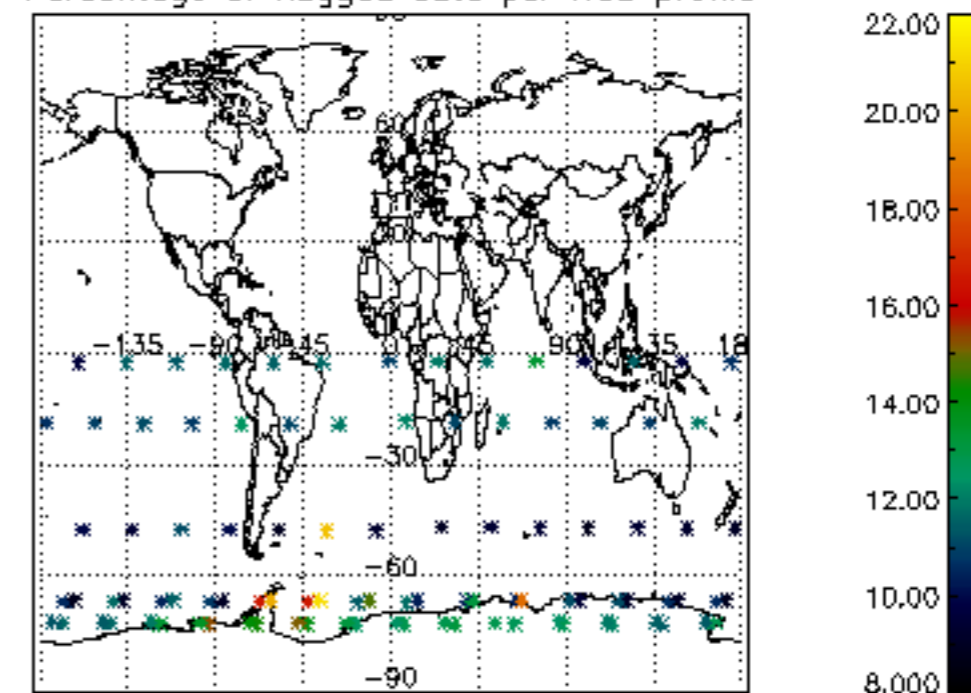
Percentage of flagged data per H2O profile

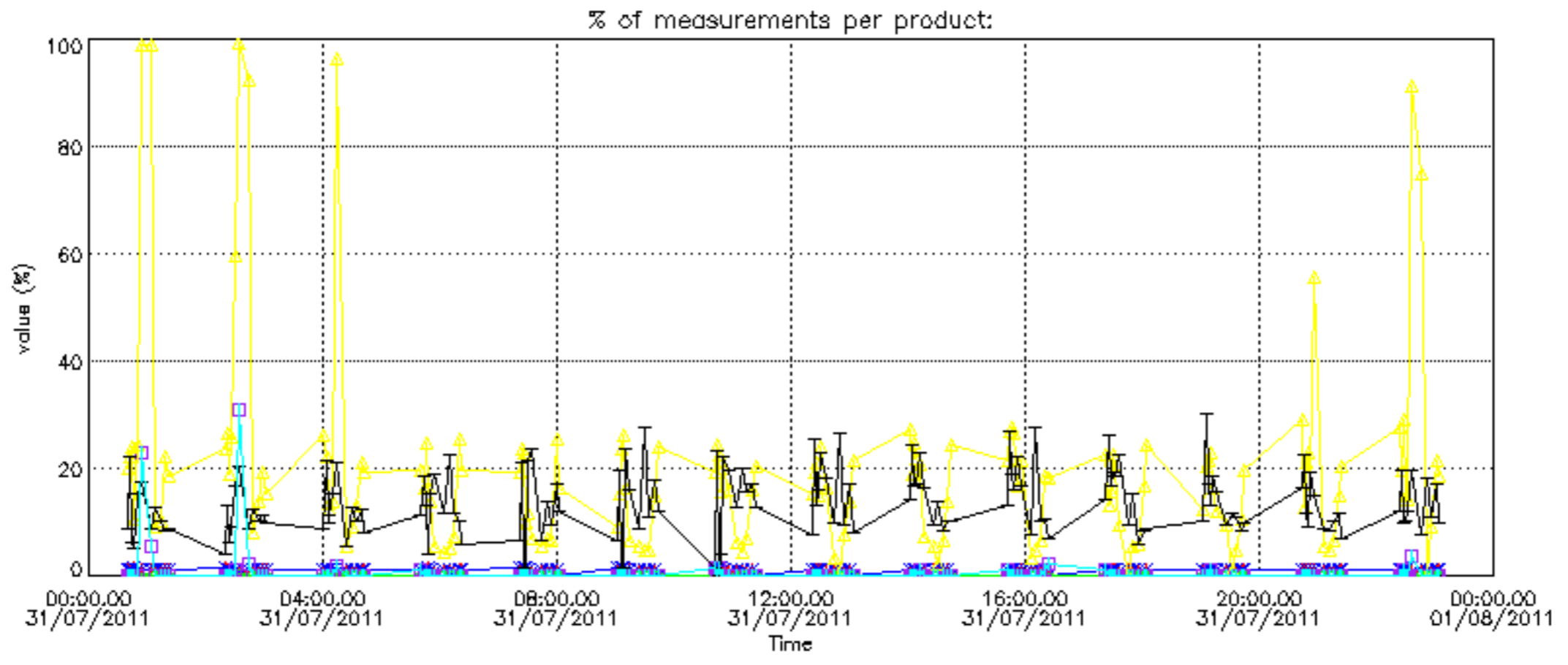


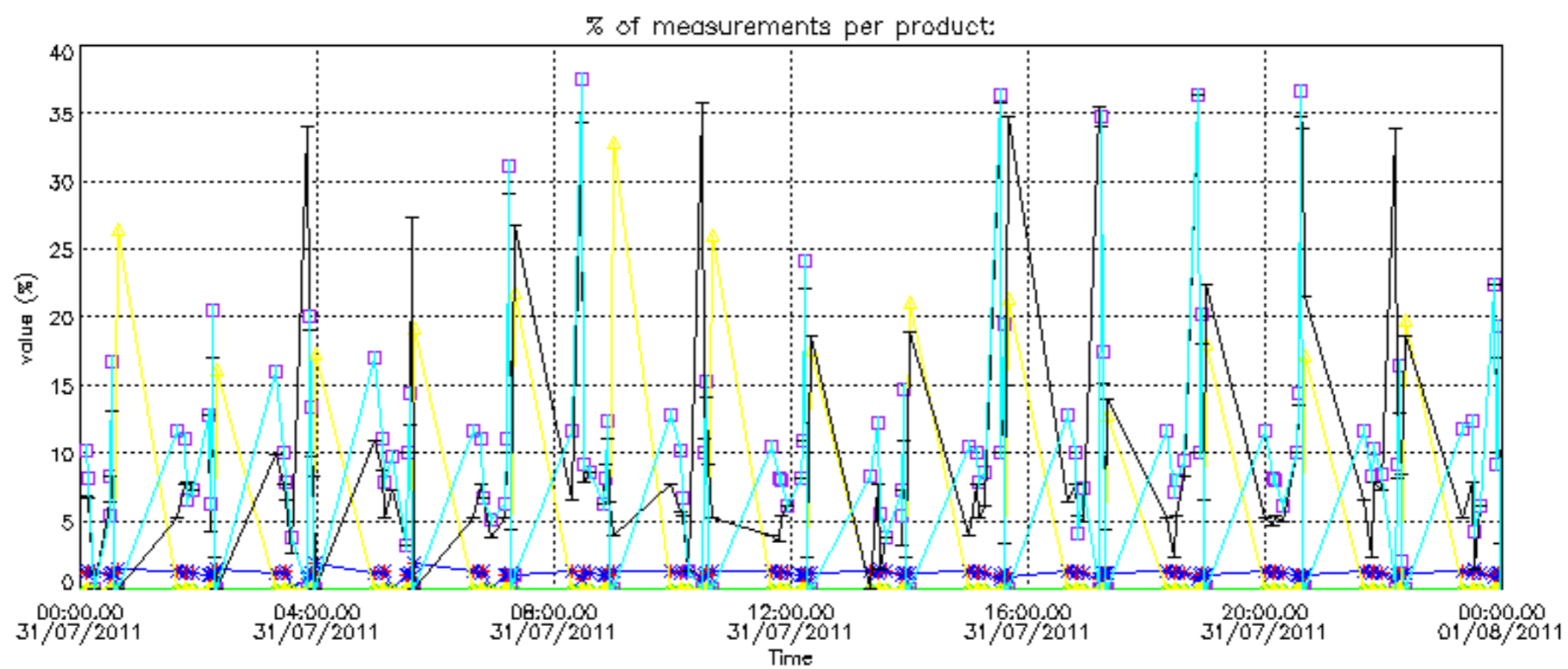
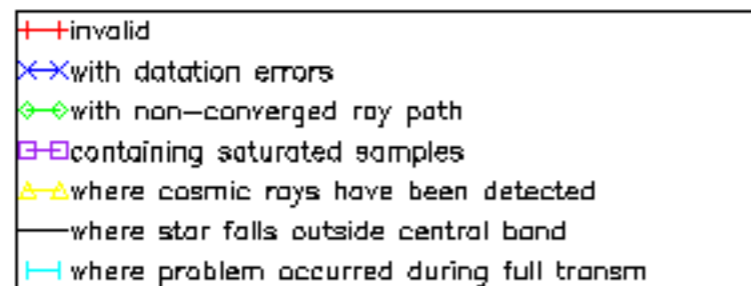
Percentage of flagged data per NO2 profile



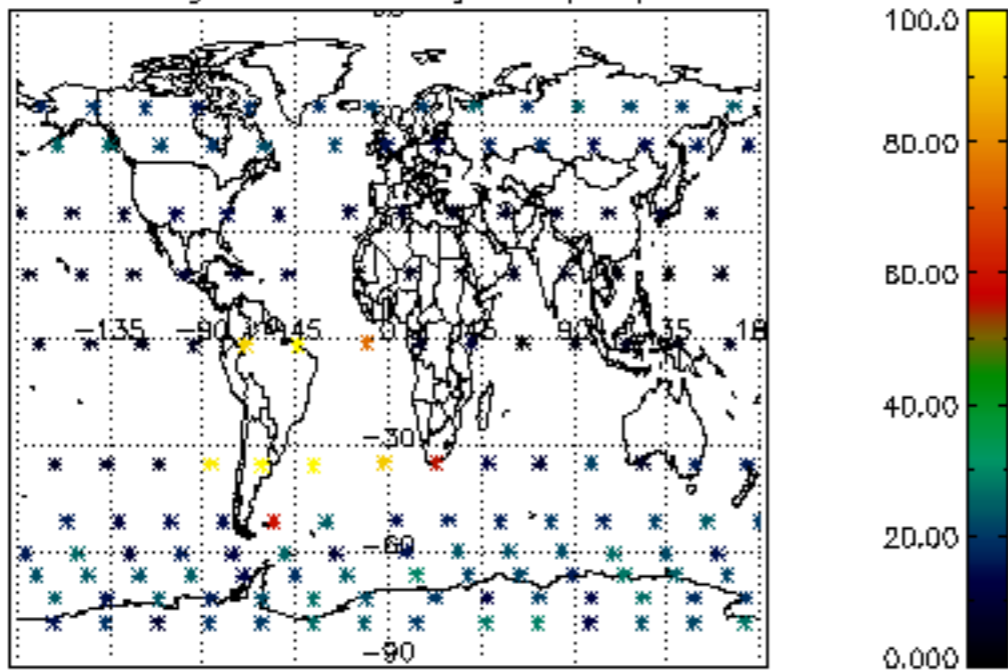
Percentage of flagged data per NO3 profile



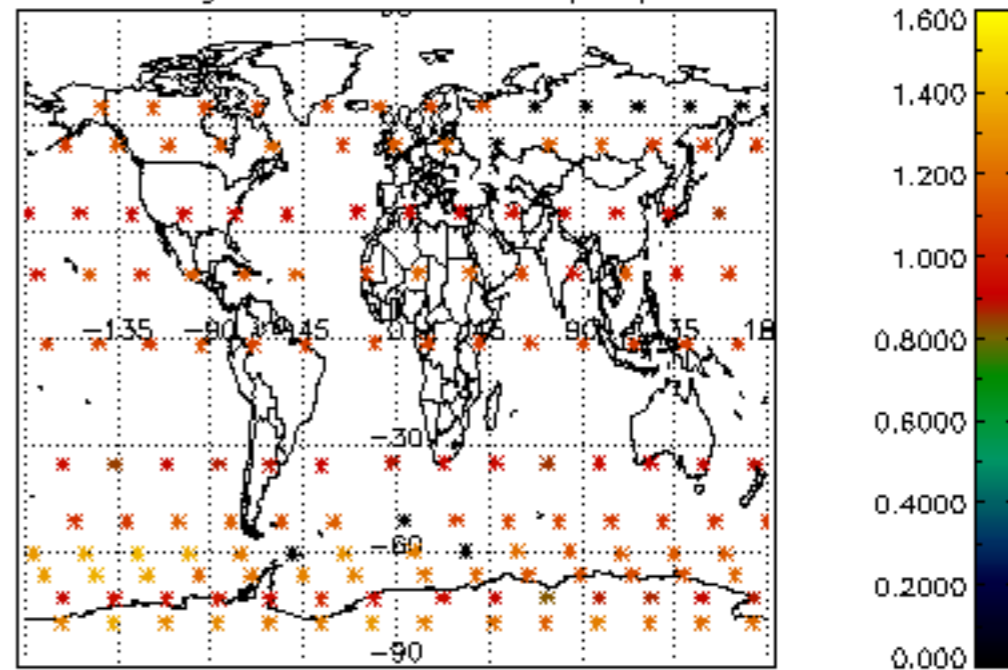




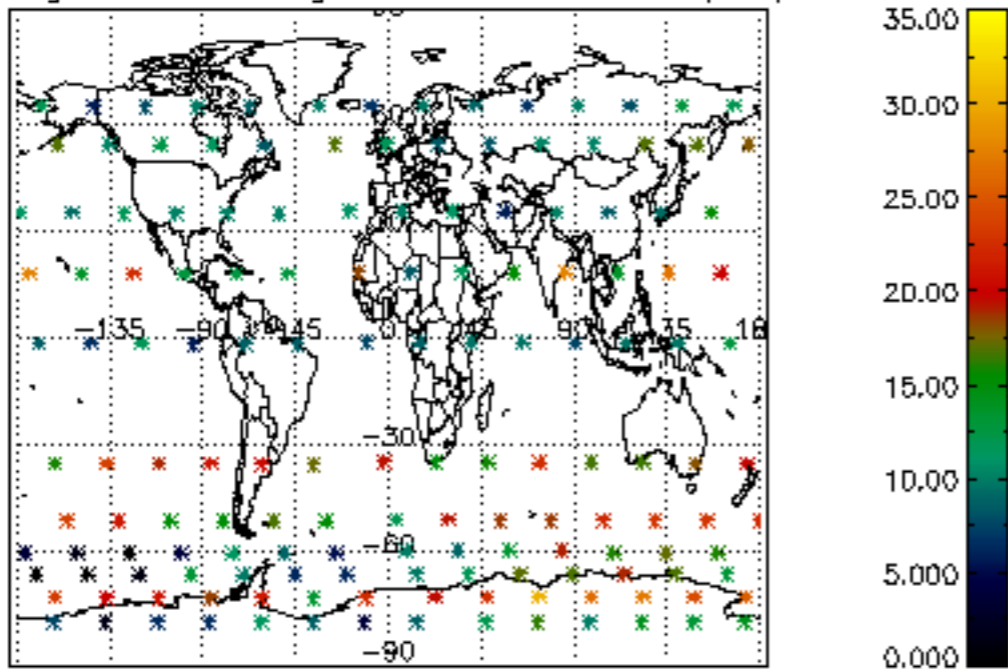
Percentage of cosmic ray hits per profile



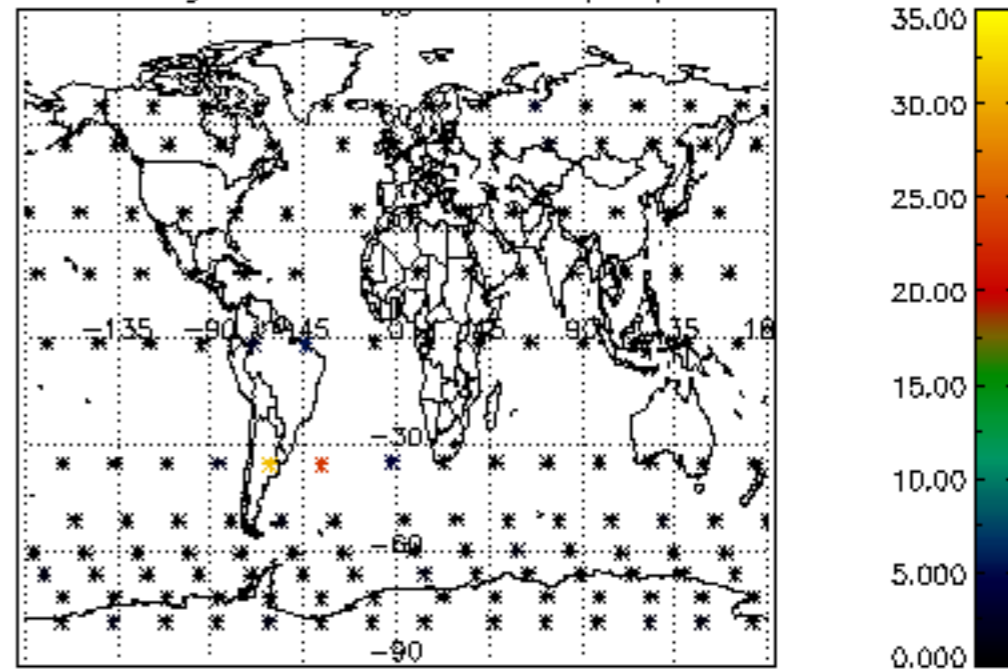
Percentage of datation errors per profile



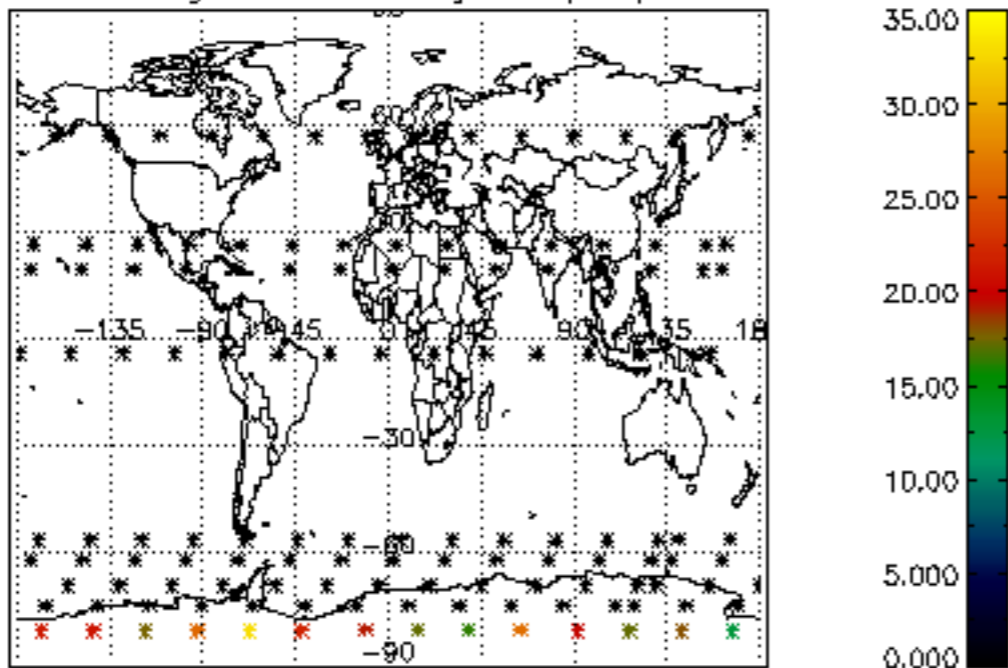
Percentage of star falling outside central band per profile



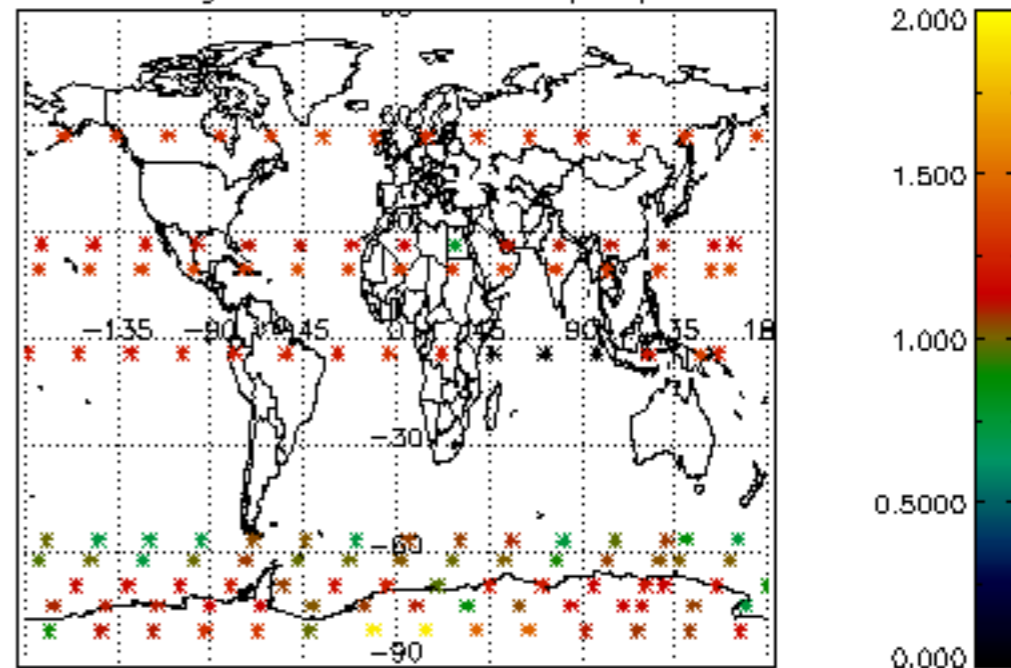
Percentage of saturation errors per profile



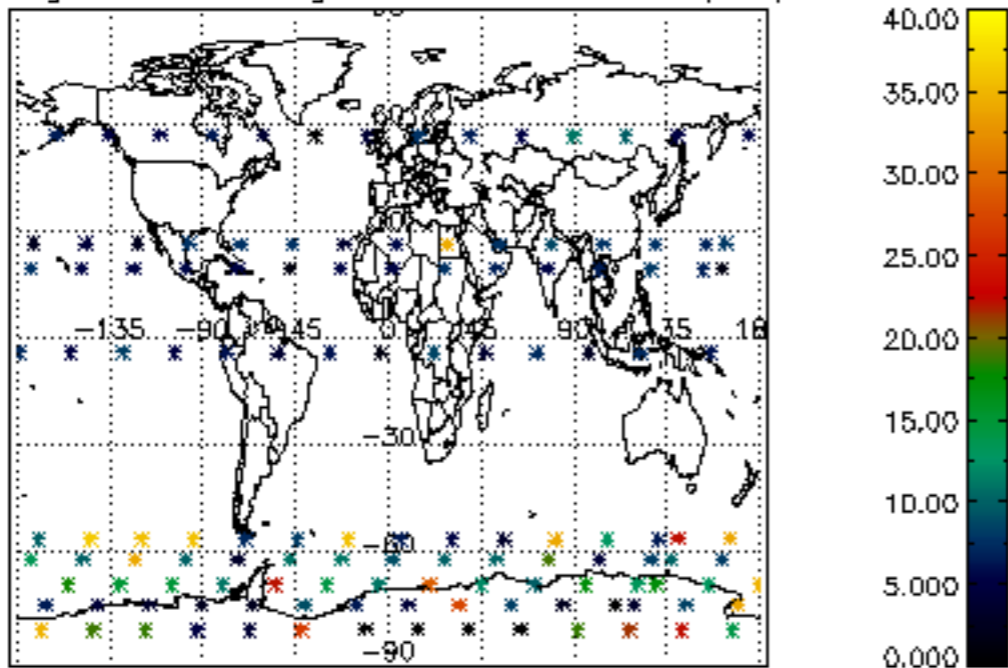
Percentage of cosmic ray hits per profile



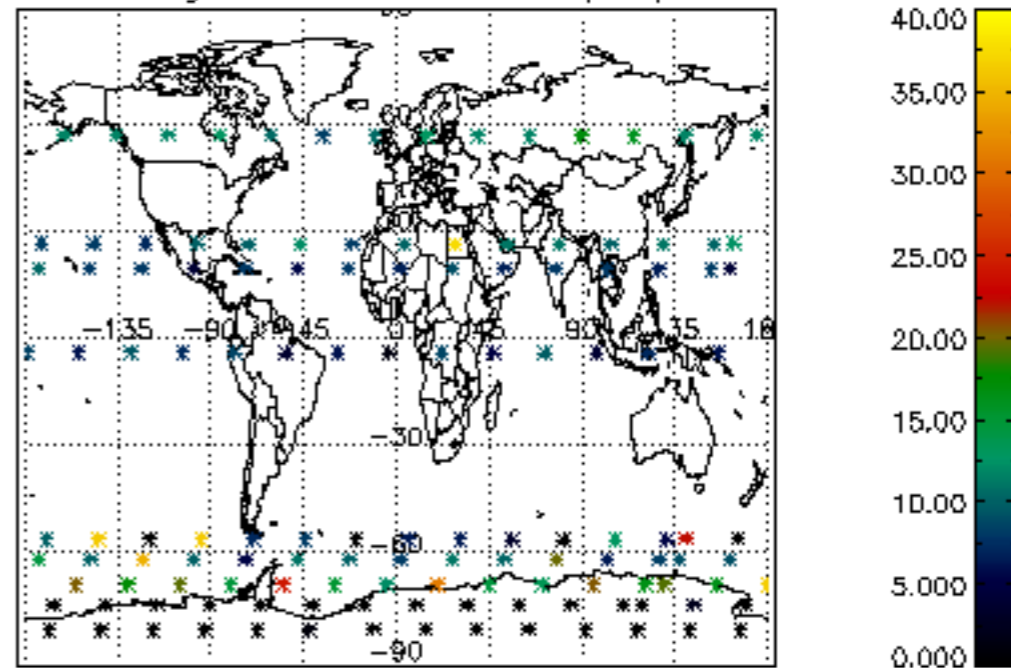
Percentage of datation errors per profile

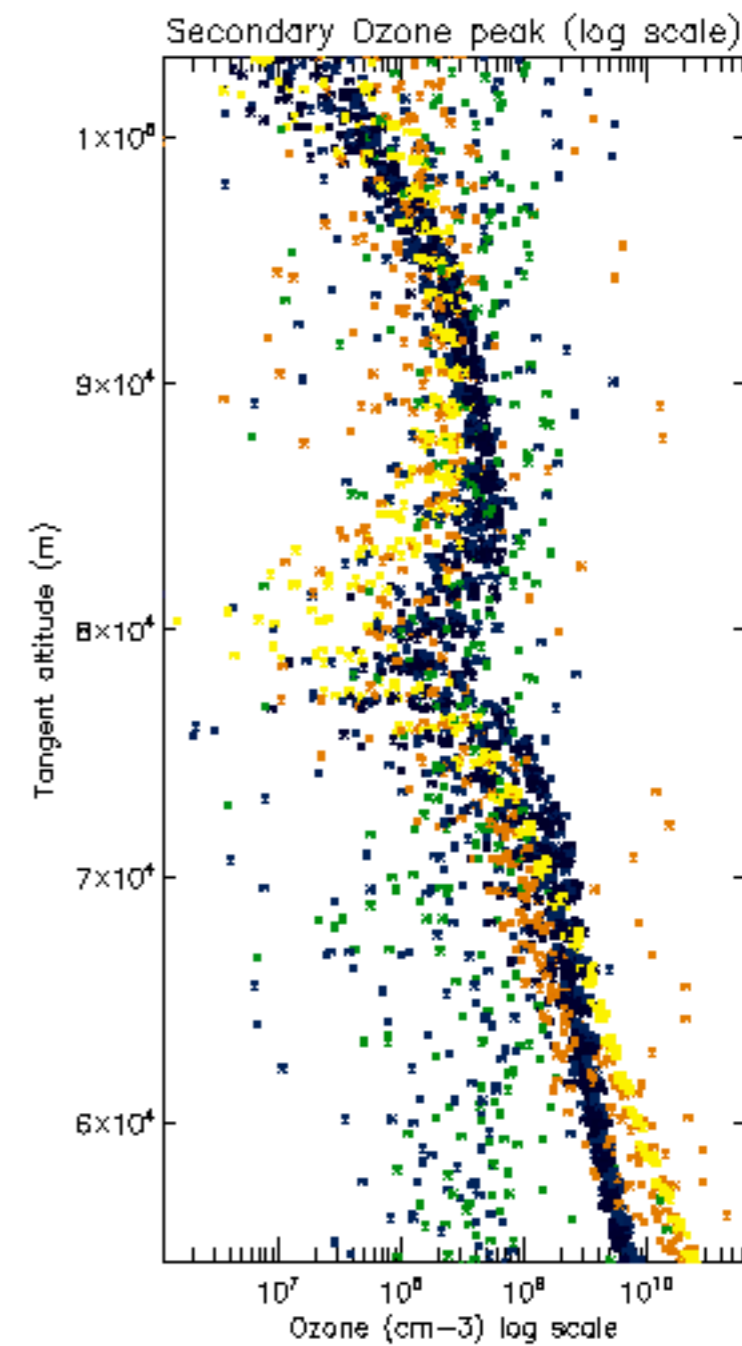
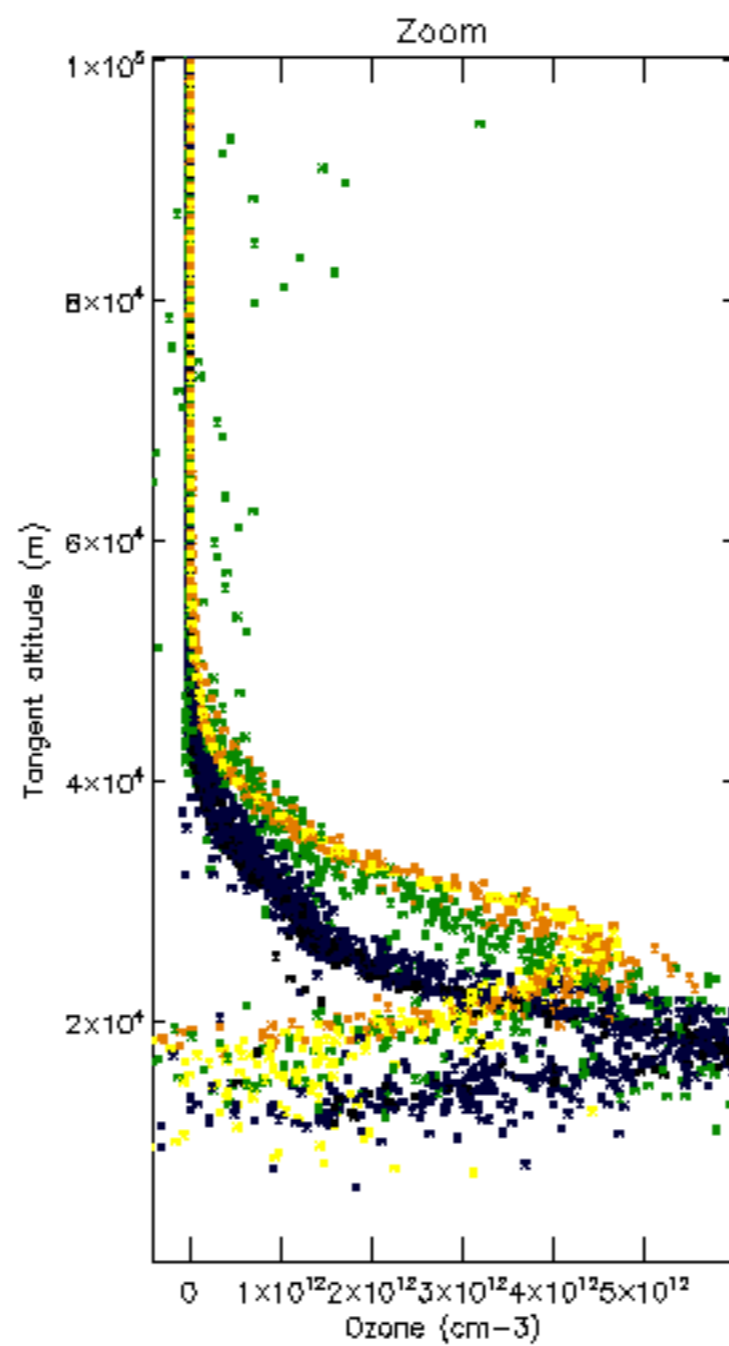
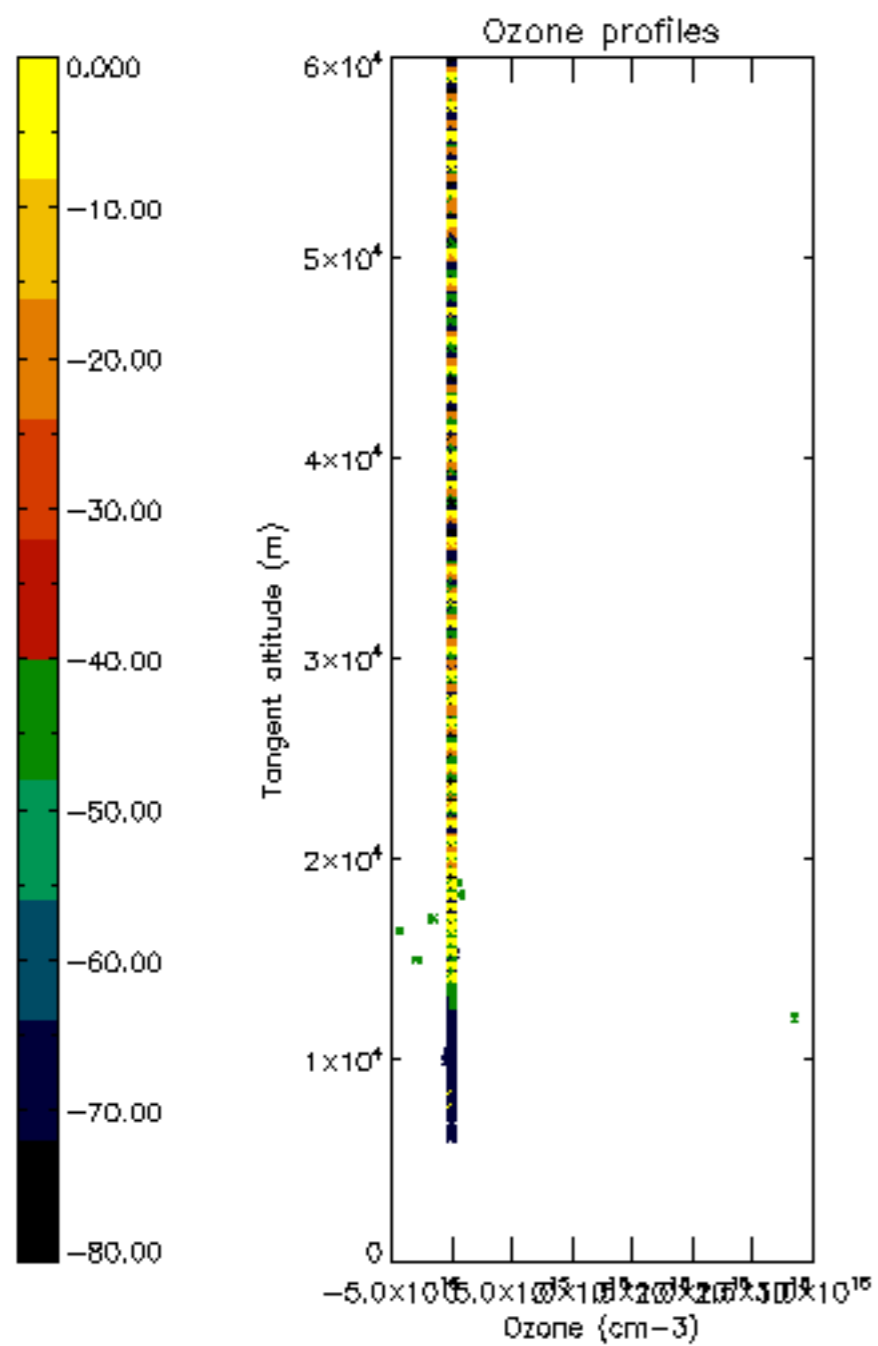


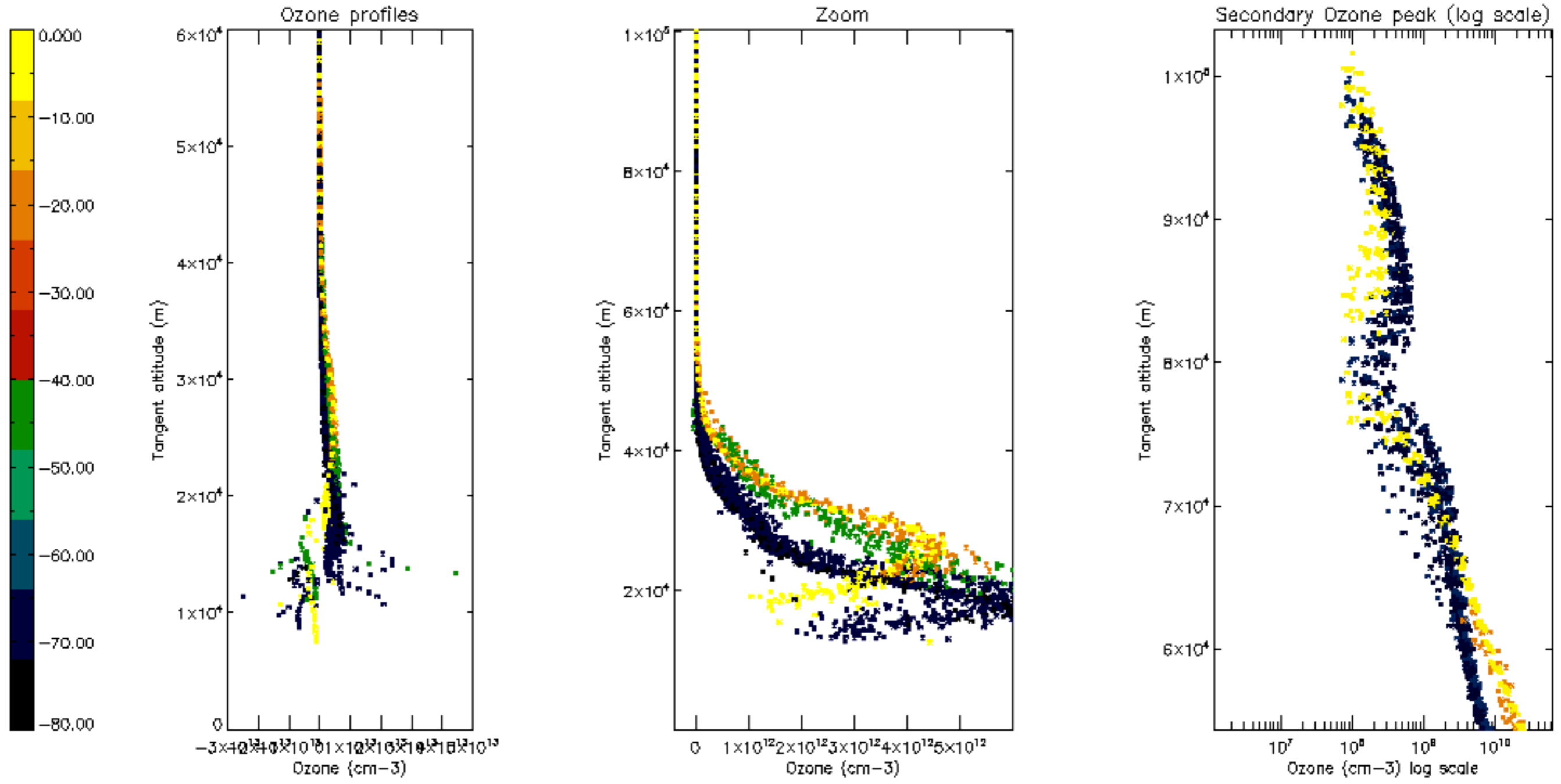
Percentage of star falling outside central band per profile

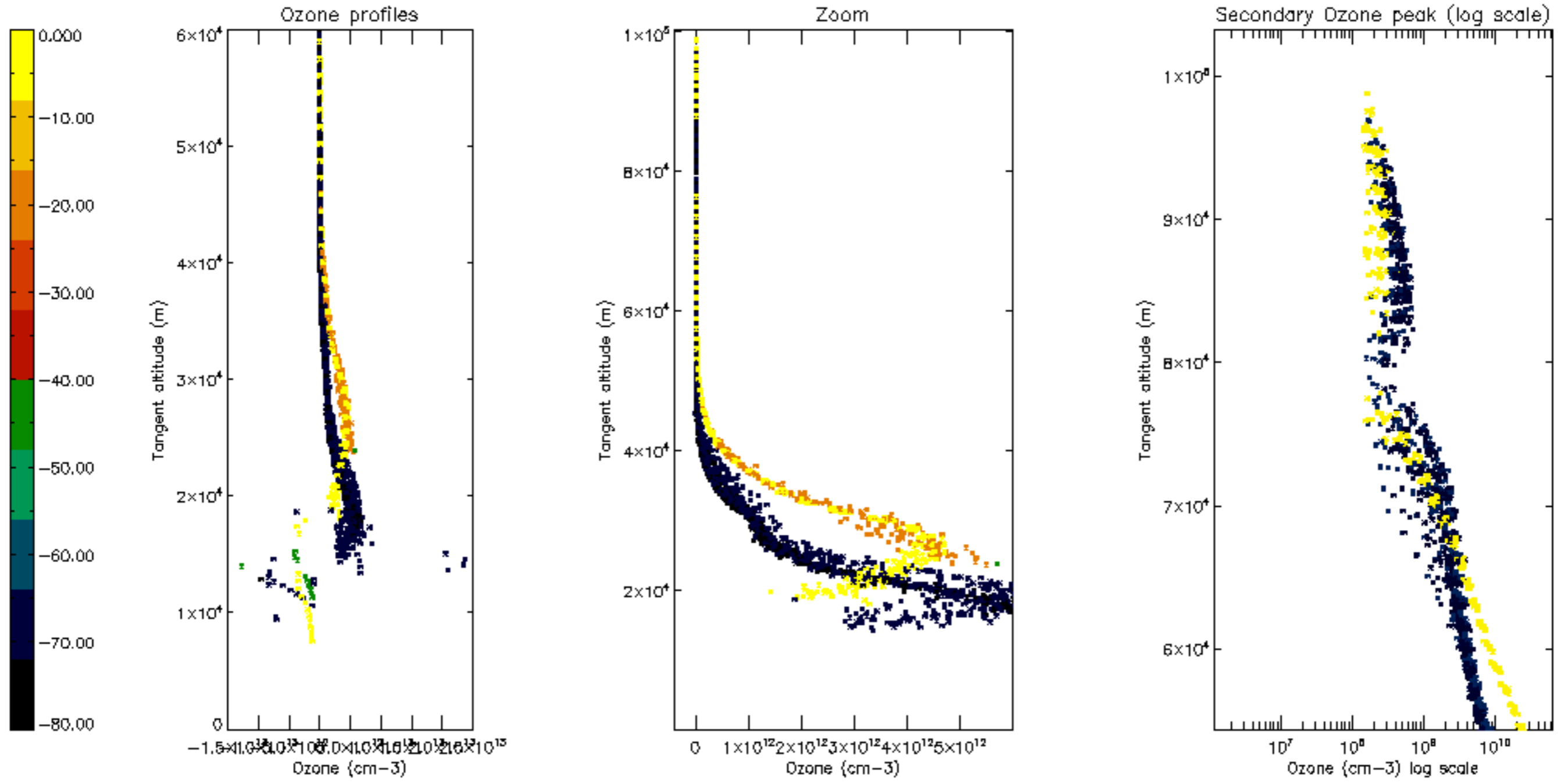


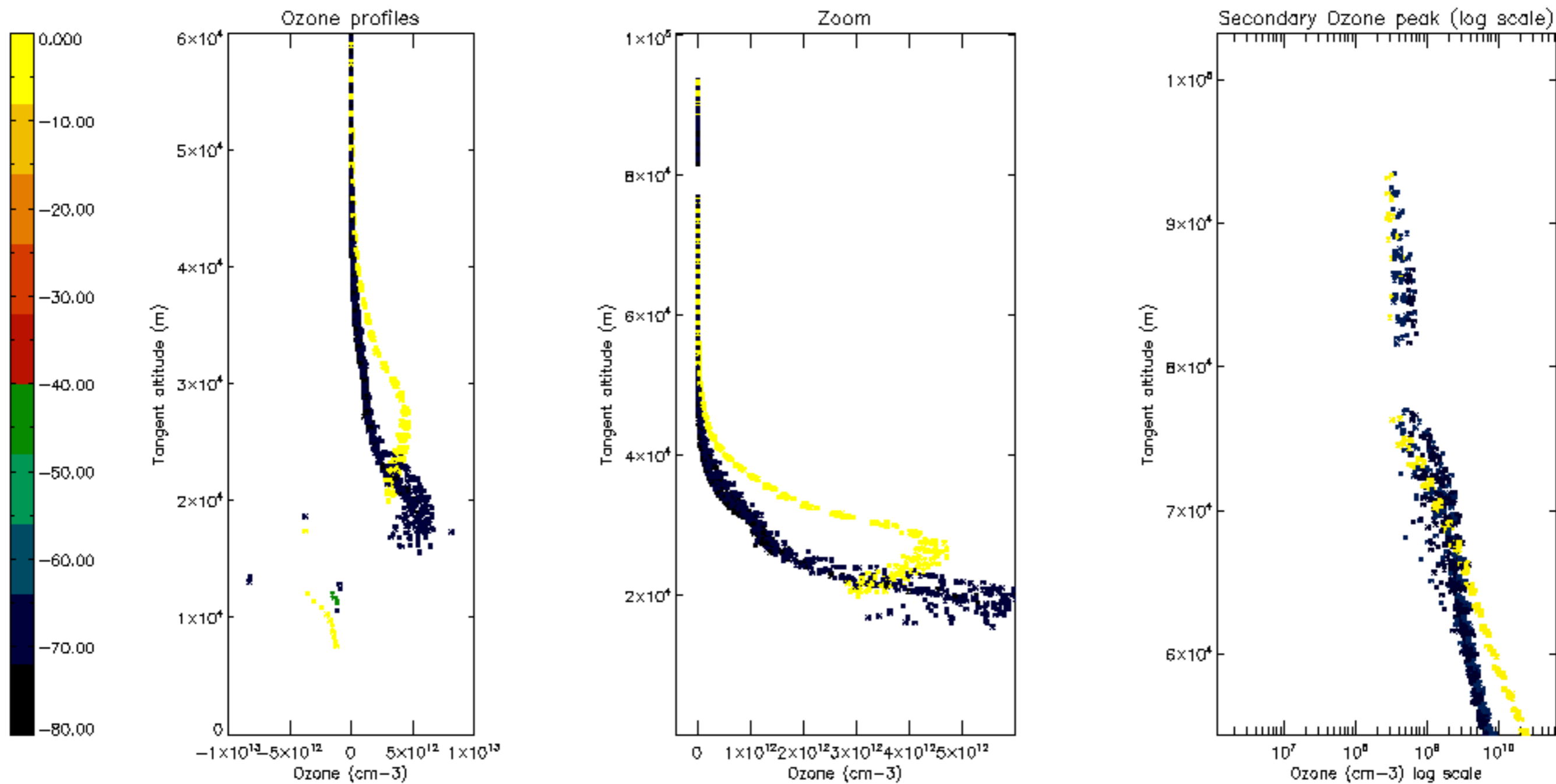
Percentage of saturation errors per profile

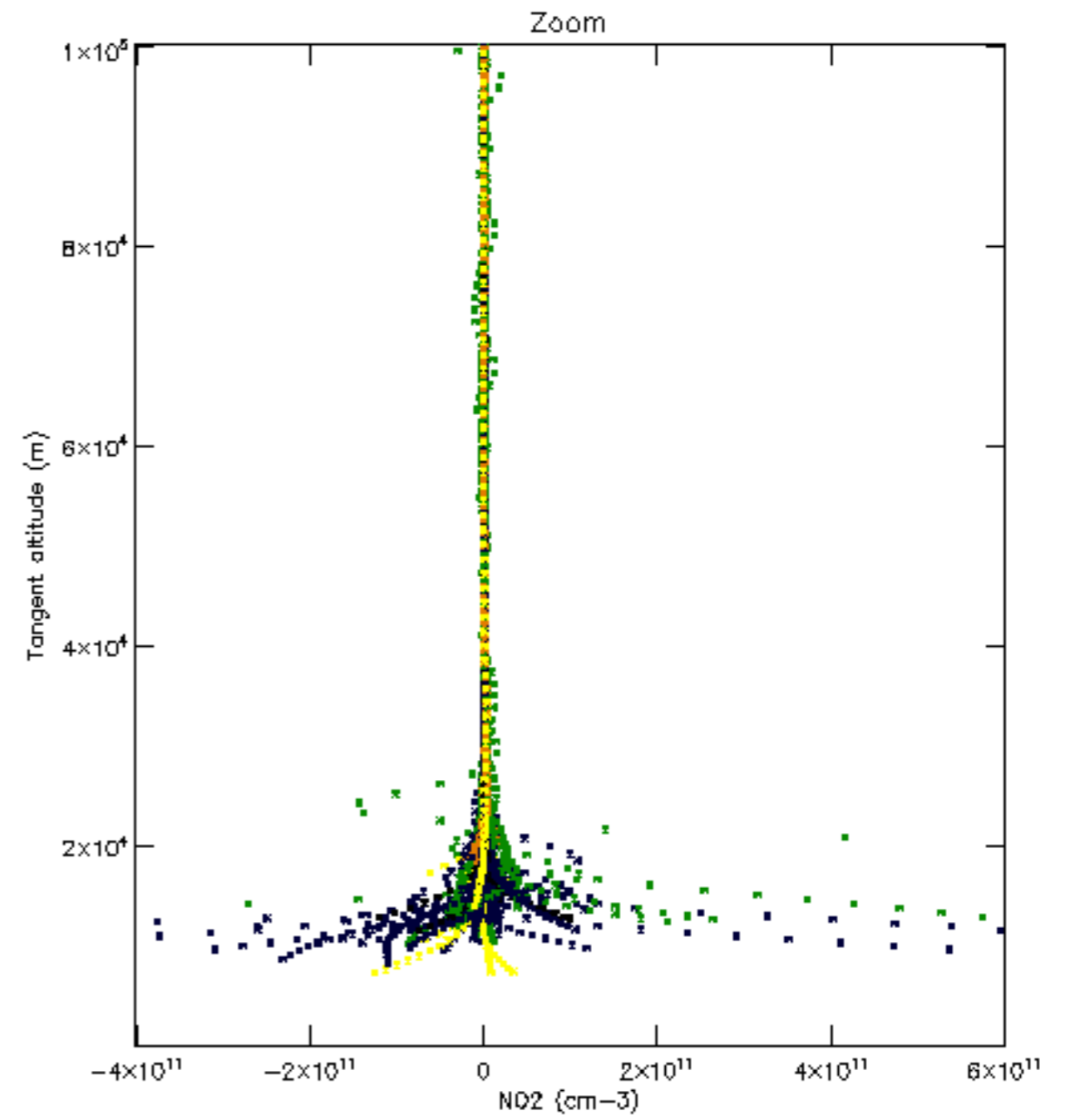
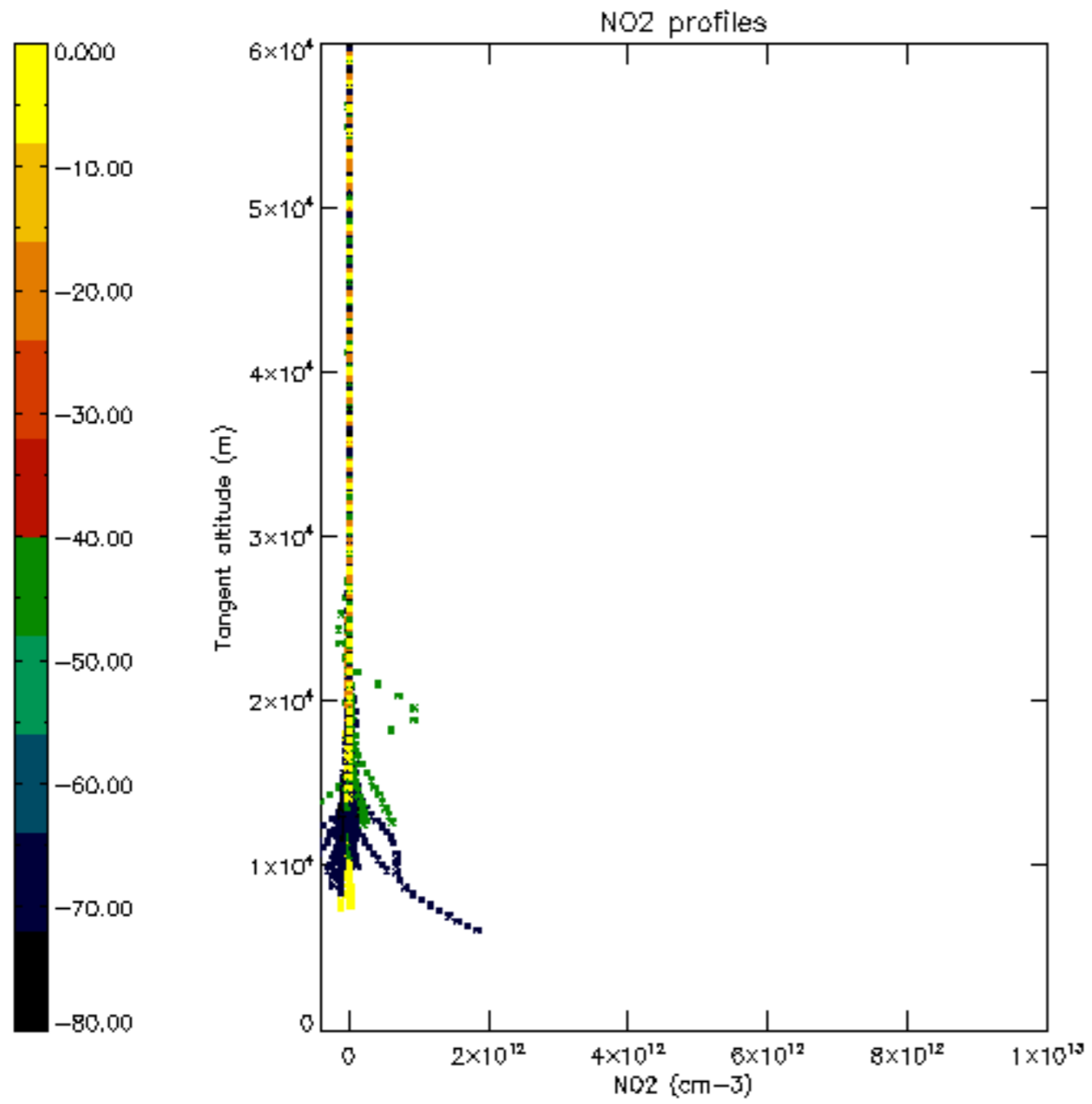


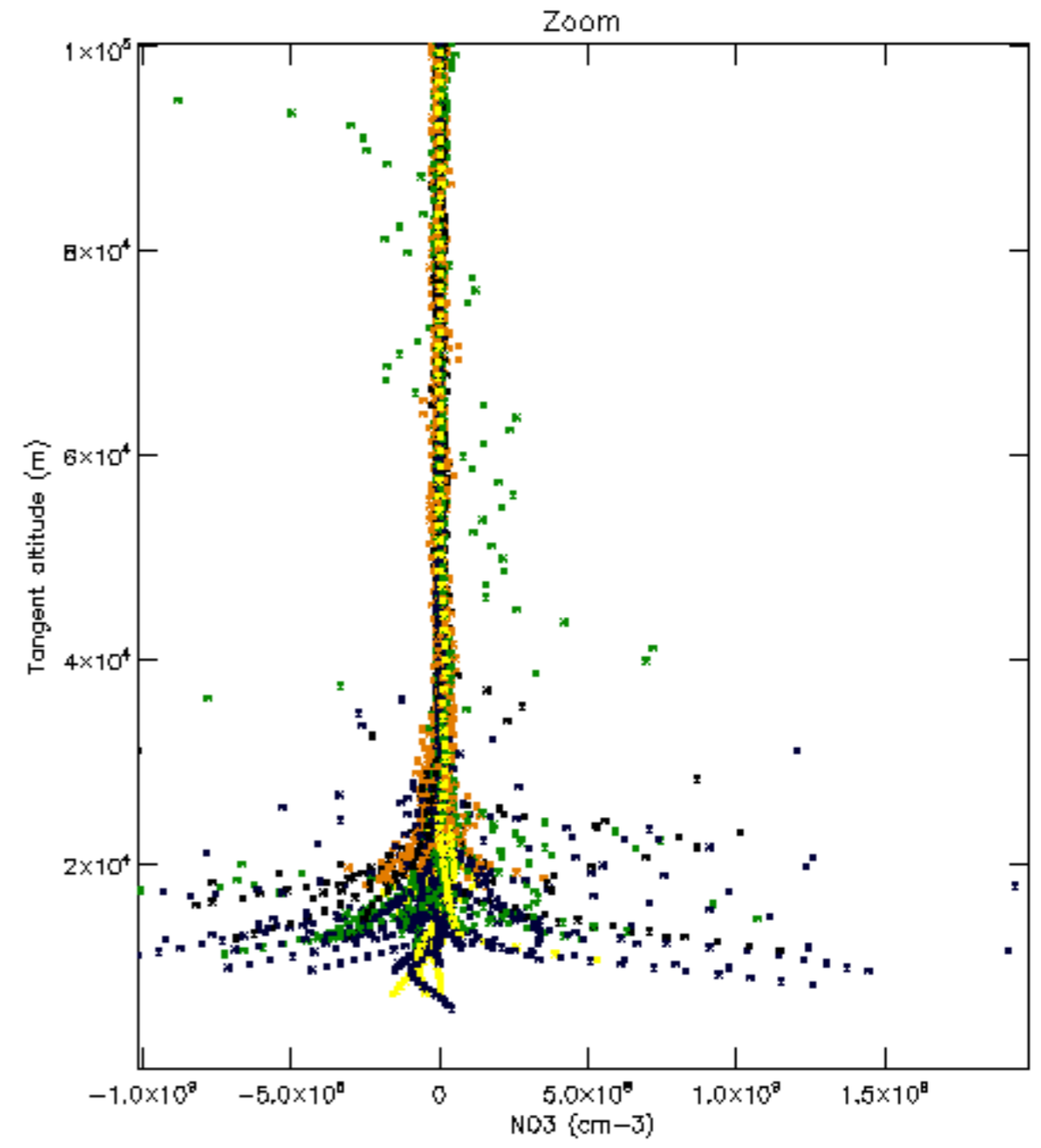
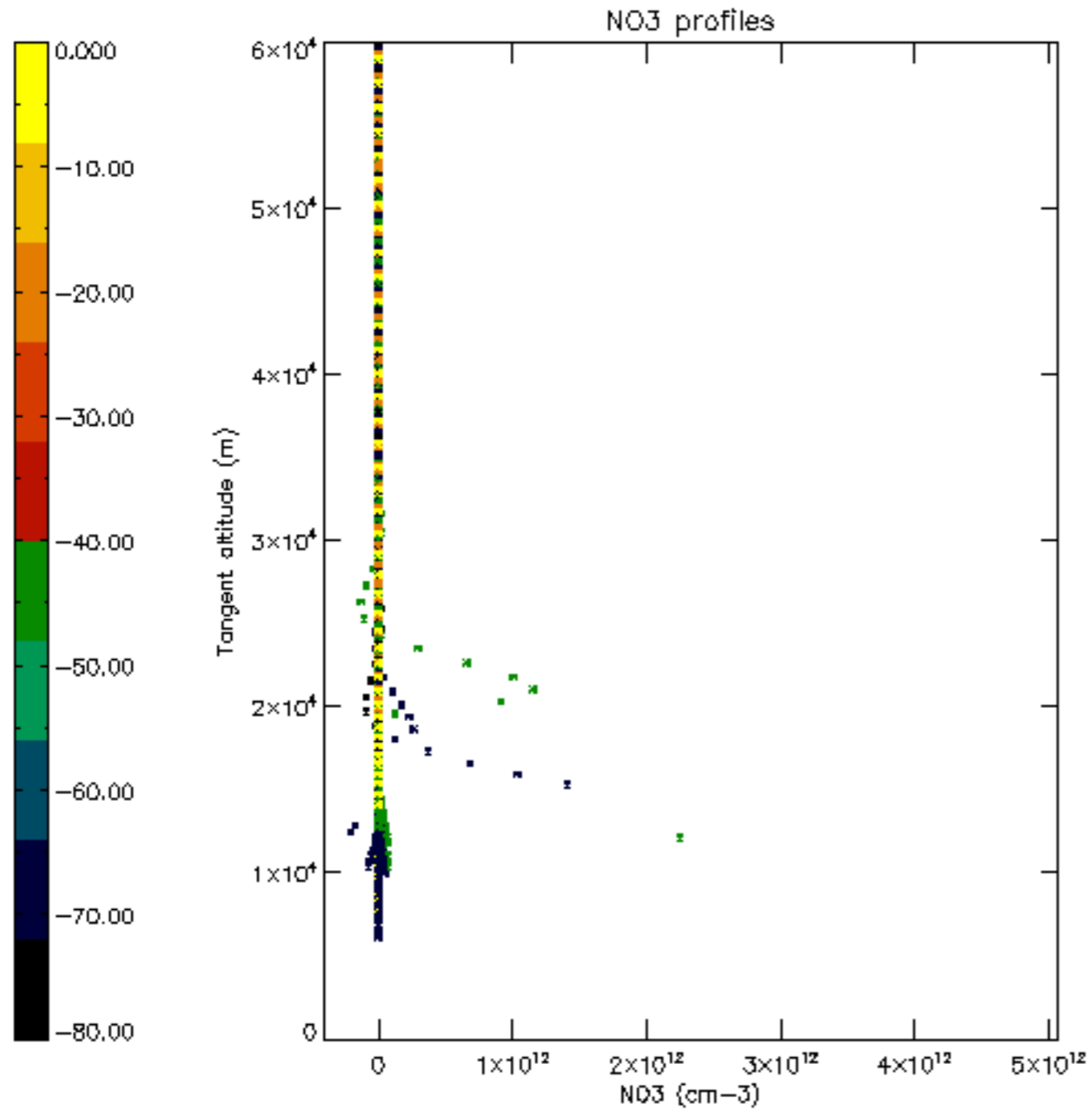


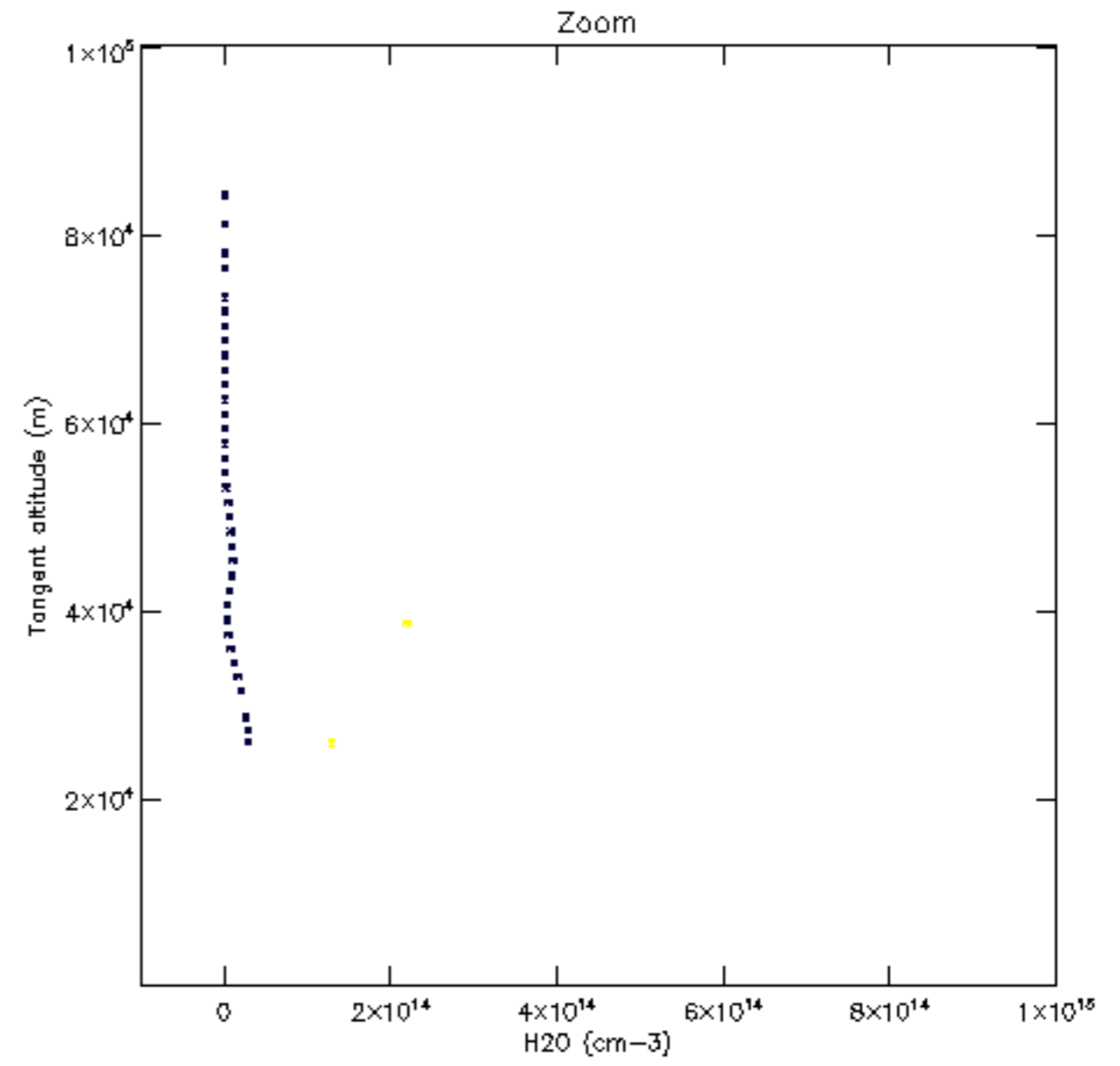
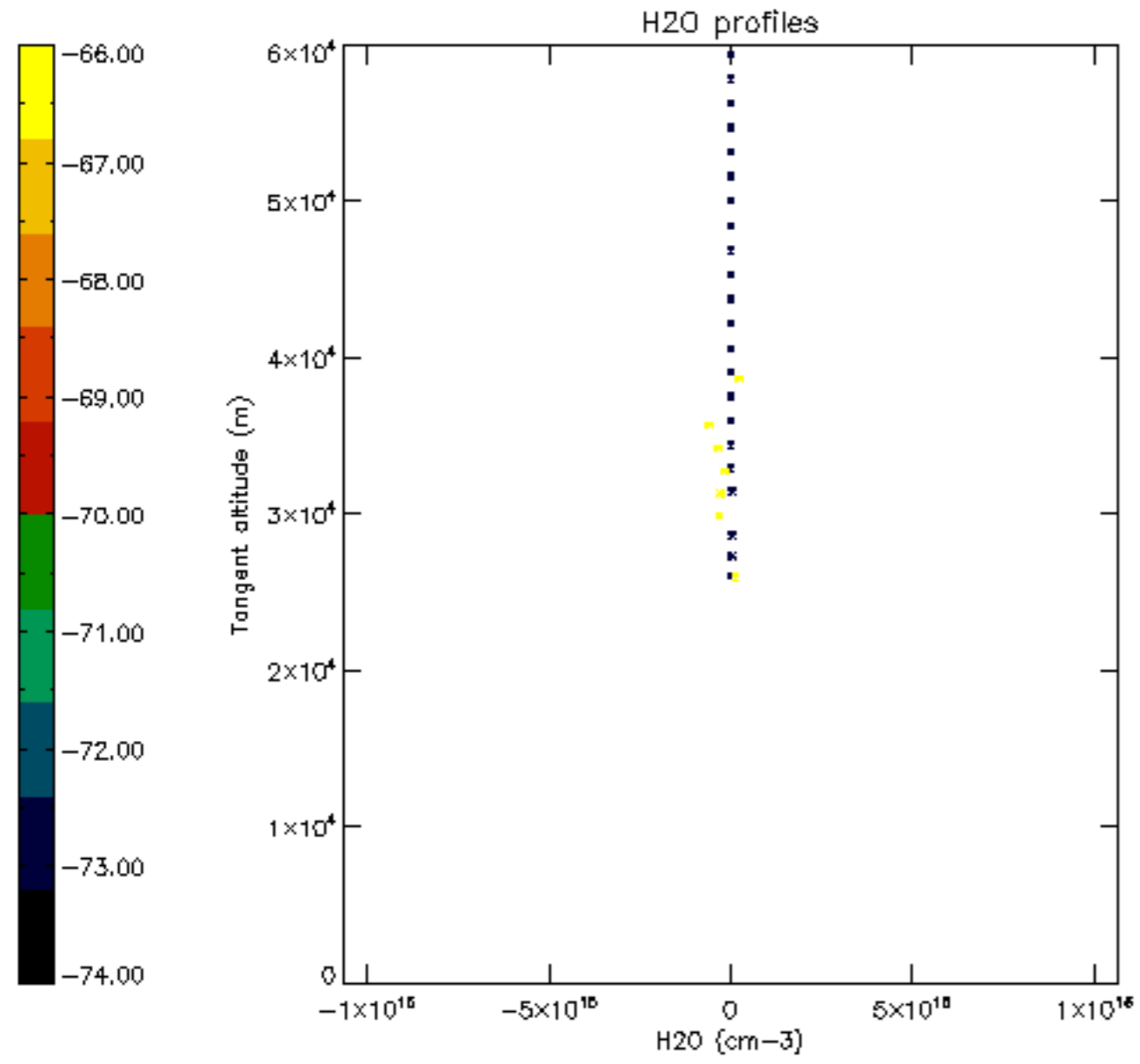


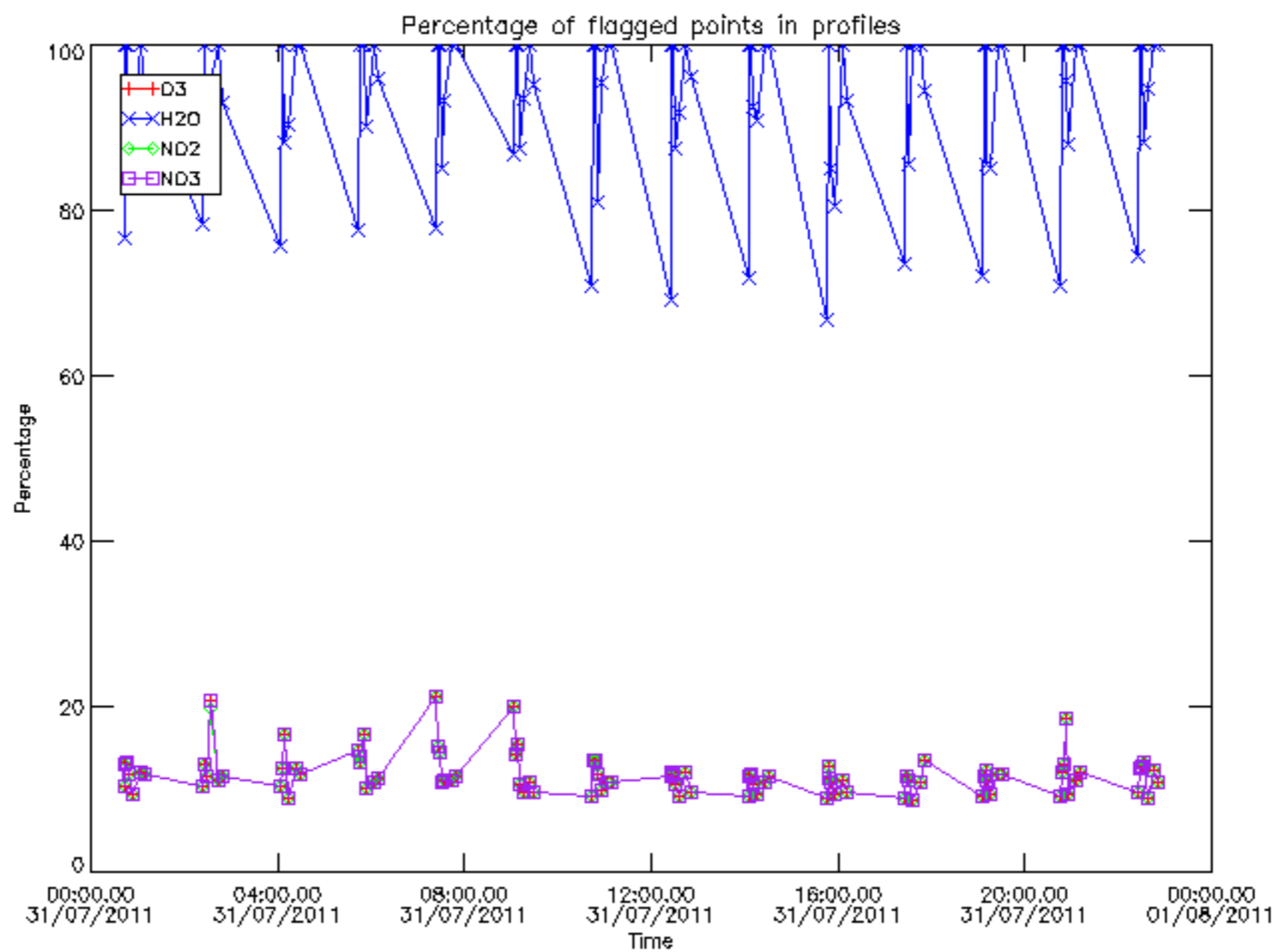




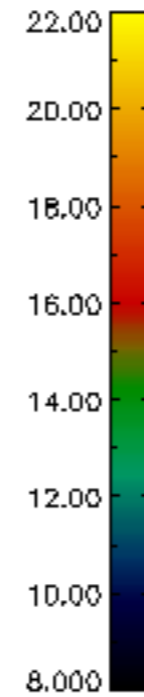
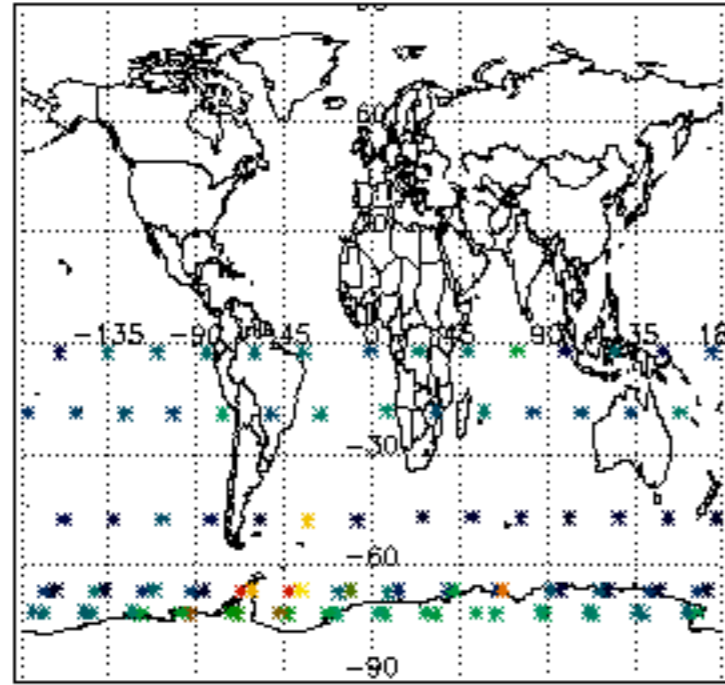




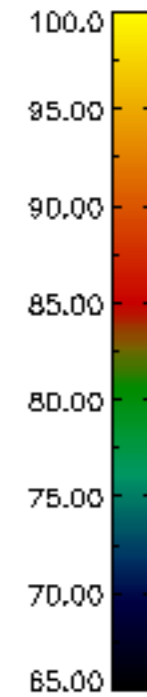
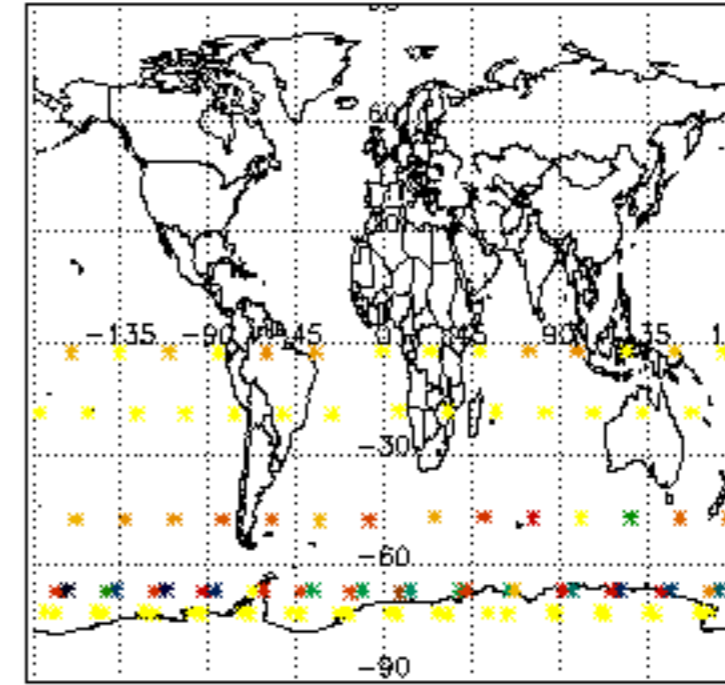




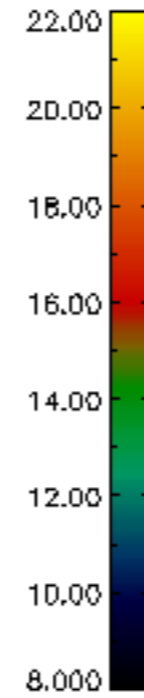
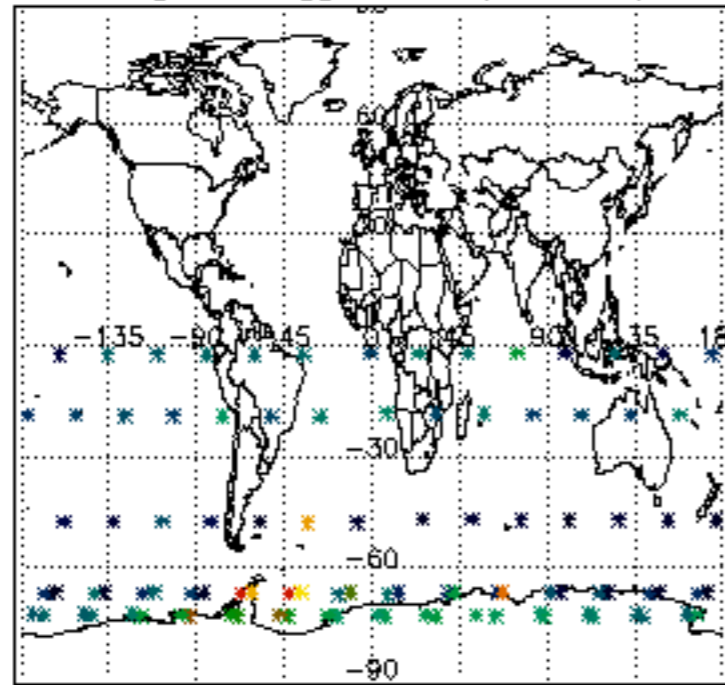
Percentage of flagged data per D3 profile



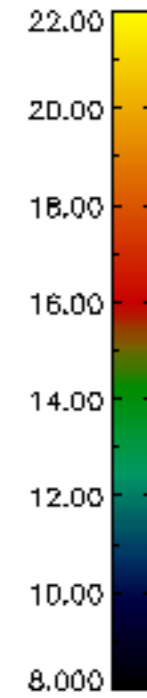
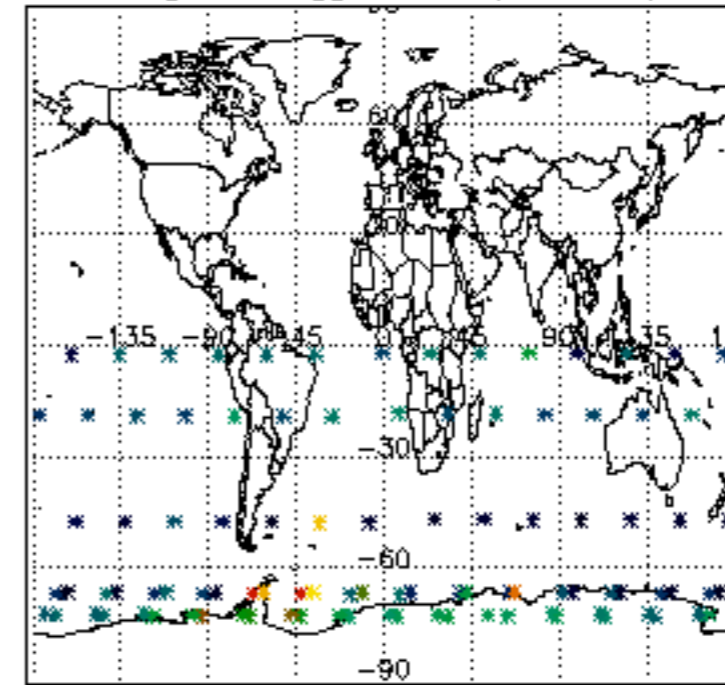
Percentage of flagged data per H2O profile

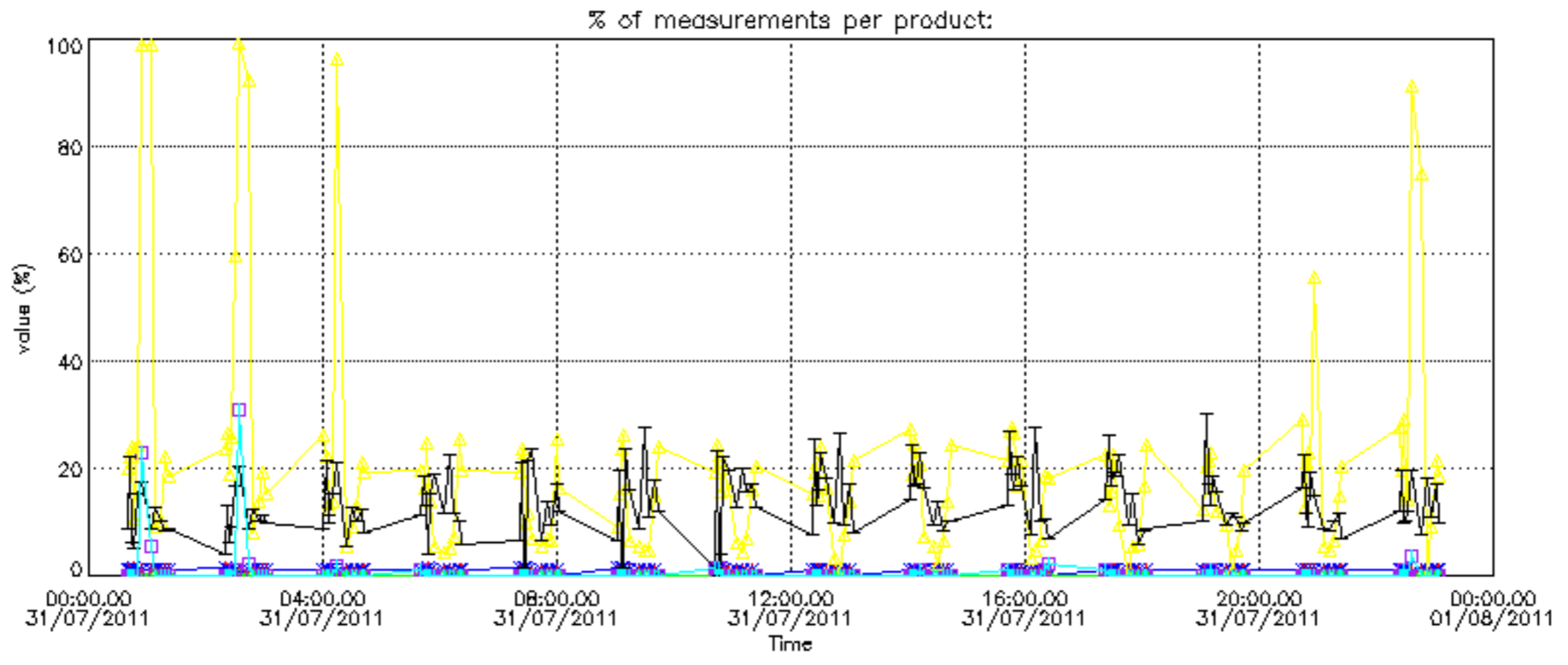


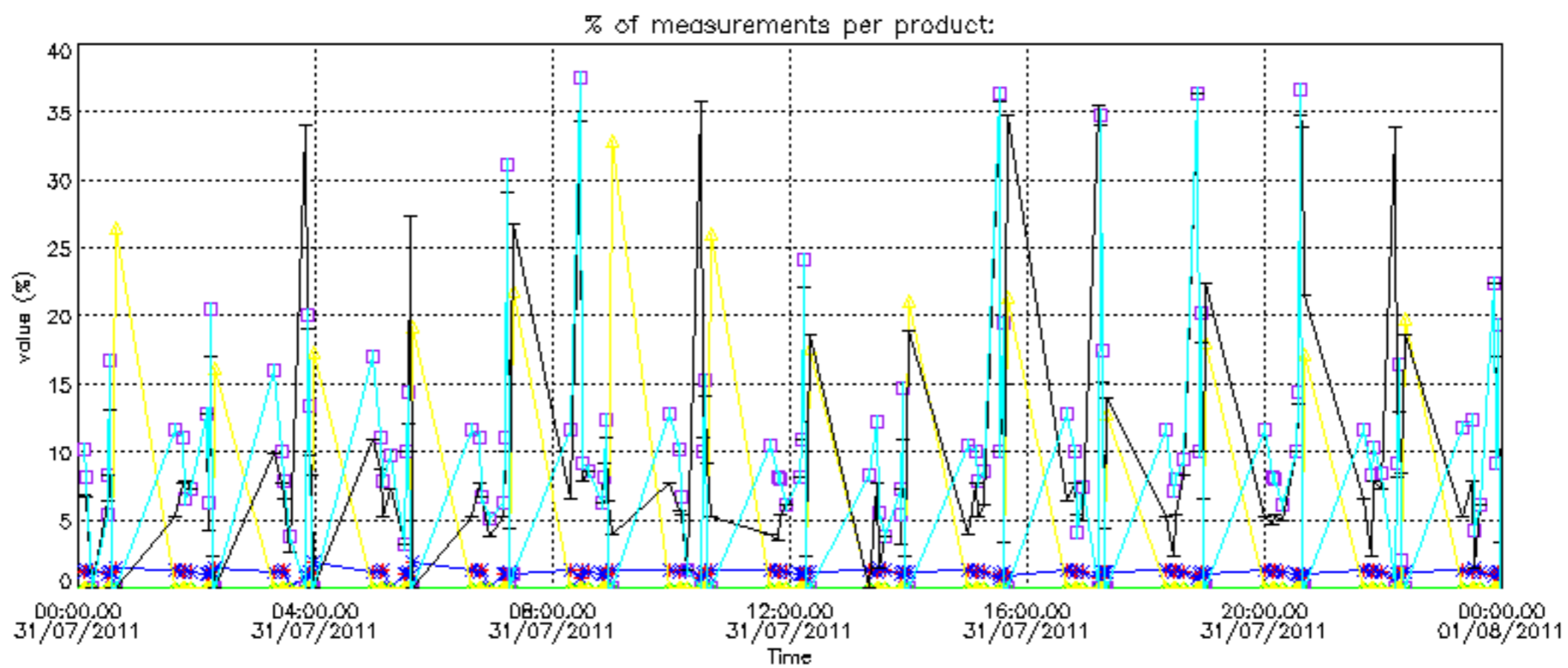
Percentage of flagged data per NO2 profile



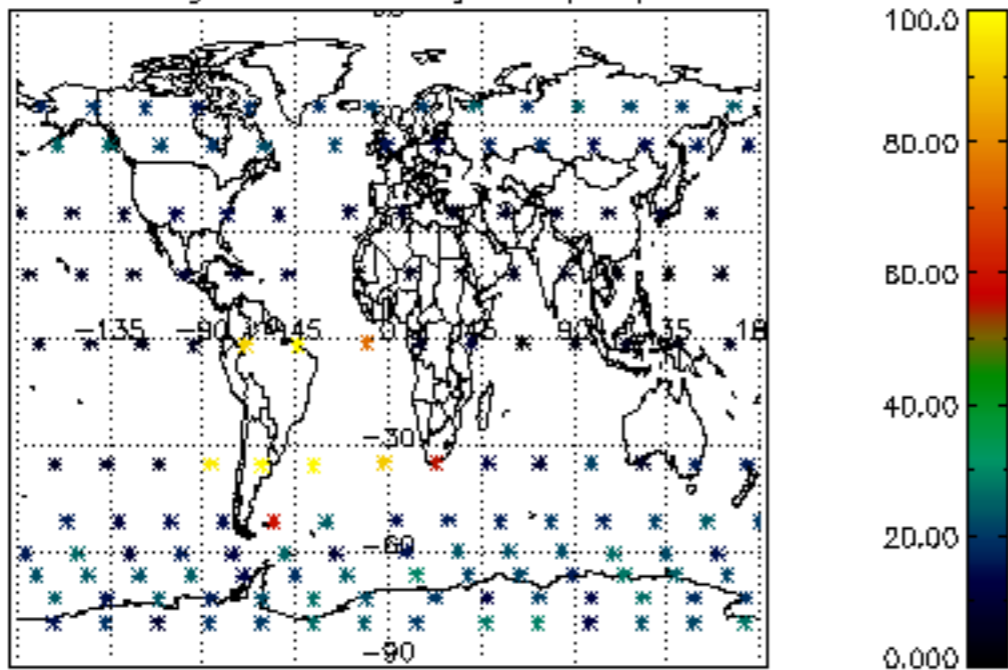
Percentage of flagged data per NO3 profile



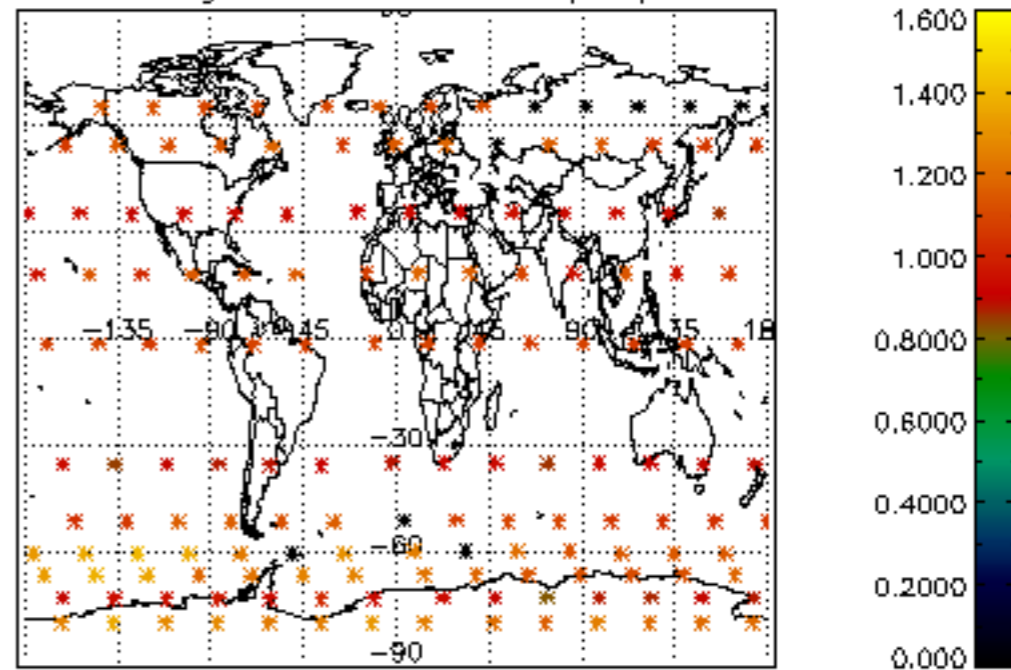




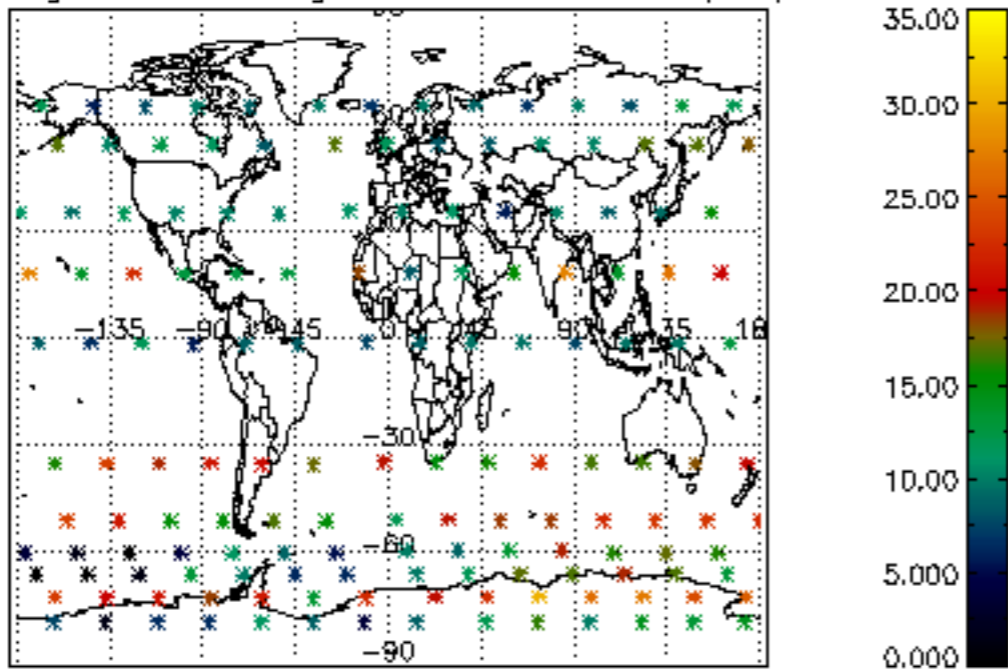
Percentage of cosmic ray hits per profile



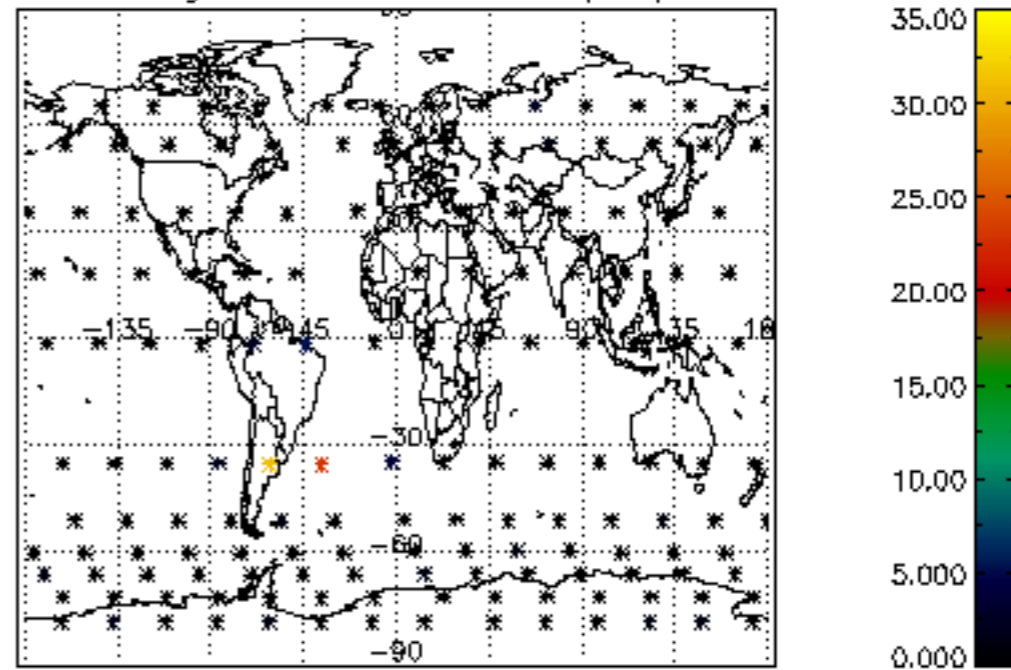
Percentage of datation errors per profile



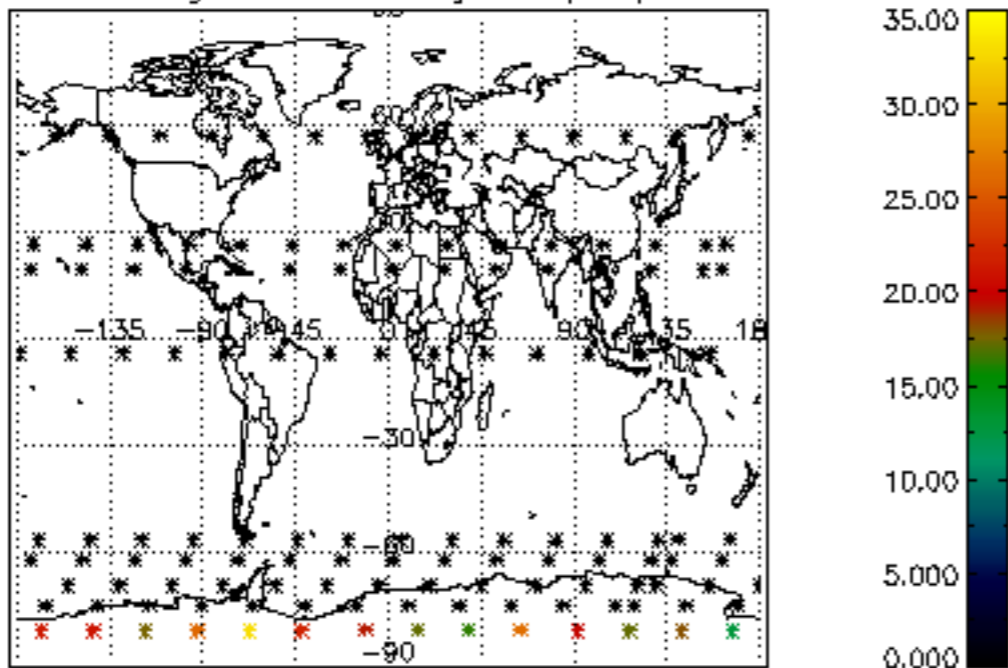
Percentage of star falling outside central band per profile



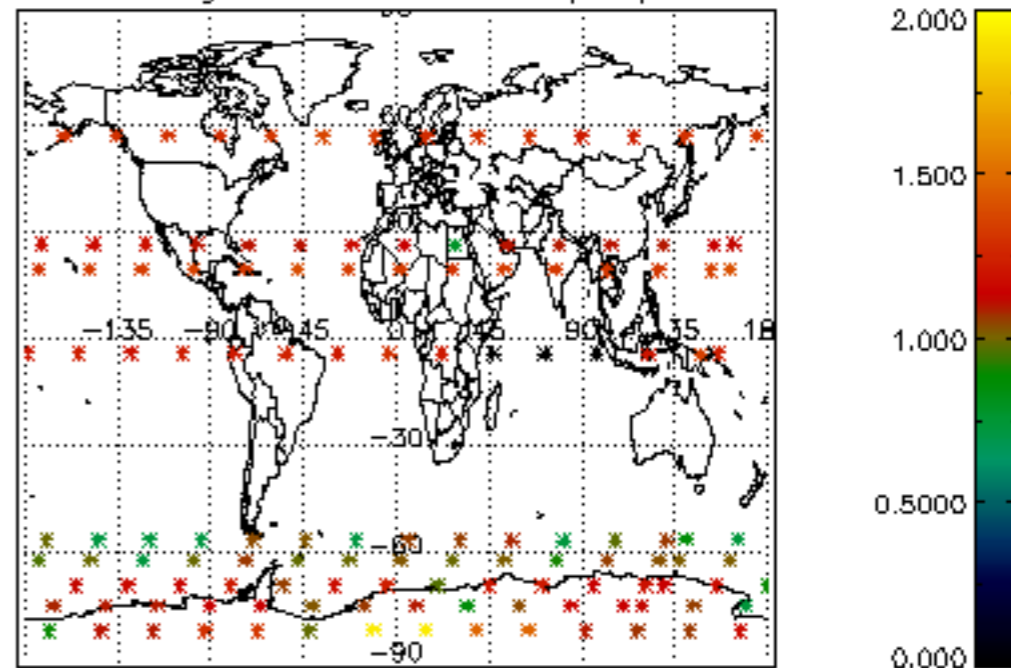
Percentage of saturation errors per profile



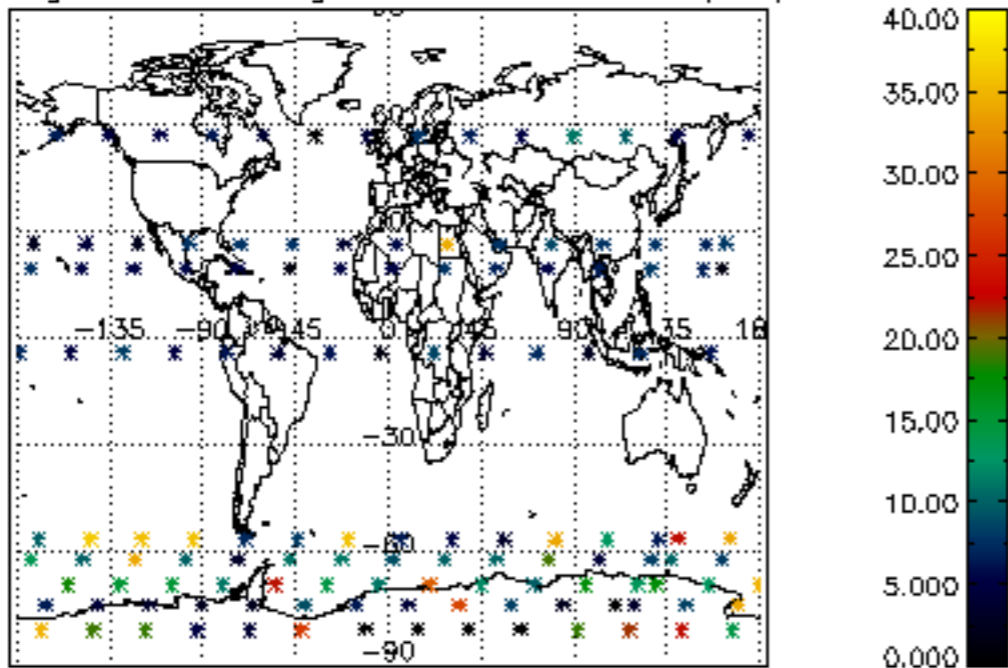
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

