

GOMOS Level 2 Daily Report

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

Item	Value
Time of report generation	18APR2013 08:52:09
Data source version	GOMOS/6.01
Start time of products	12-01-2005 (12JAN2005 00:00:00)
Stop time of products	13-01-2005 (13JAN2005 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	348
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

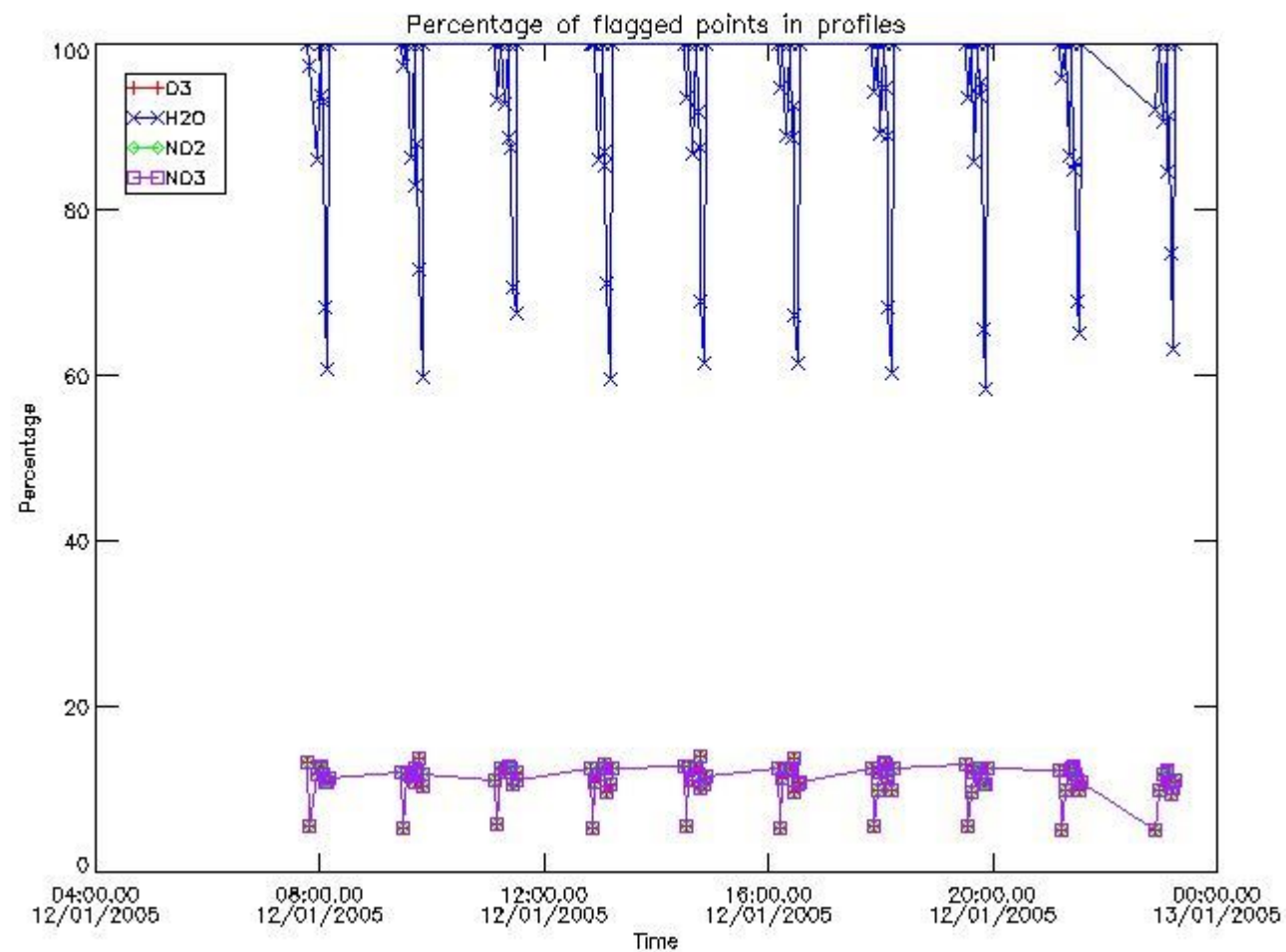
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20050112_071214_000000382033_00421_15004_8918.N1	12-JAN-2005 07:12:14	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	15004	No
2	GOM_NL__2PRFIN20050112_071454_000000532033_00421_15004_8919.N1	12-JAN-2005 07:14:54	Bright	53.000	32	77Eps UMa	1.7630	11000.	106	15004	No
3	GOM_NL__2PRFIN20050112_071856_000000372033_00421_15004_8920.N1	12-JAN-2005 07:18:56	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	15004	No
4	GOM_NL__2PRFIN20050112_072158_000000392033_00421_15004_8921.N1	12-JAN-2005 07:21:58	Bright	38.500	5	3Alp Lyr	0.033000	11000.	77	15004	No
5	GOM_NL__2PRFIN20050112_072339_000000492033_00421_15004_8922.N1	12-JAN-2005 07:23:39	Bright	49.000	180	27Gam Boo	3.0400	8000.0	98	15004	No
6	GOM_NL__2PRFIN20050112_072758_000000542033_00421_15004_8923.N1	12-JAN-2005 07:27:58	Bright	53.500	83		2.3780	11000.	107	15004	No
7	GOM_NL__2PRFIN20050112_073337_000000822033_00421_15004_8924.N1	12-JAN-2005 07:33:37	Twilight	82.000	111	8Eta Boo	2.6800	6000.0	164	15004	No
8	GOM_NL__2PRFIN20050112_073709_000000402033_00421_15004_8925.N1	12-JAN-2005 07:37:09	Bright	39.500	98	13Zet Oph	2.5710	30000.	79	15004	No
9	GOM_NL__2PRFIN20050112_073912_000000502033_00421_15004_8926.N1	12-JAN-2005 07:39:12	Twilight	49.500	104	27Bet Lib	2.6140	13100.	99	15004	No
10	GOM_NL__2PRFIN20050112_074136_000000472033_00421_15004_8927.N1	12-JAN-2005 07:41:36	Twilight	46.500	16	21Alp Sco	1.0200	3000.0	93	15004	No
11	GOM_NL__2PRFIN20050112_074645_000000422033_00421_15004_8928.N1	12-JAN-2005 07:46:45	Dark	42.000	131	Gam Lup	2.8000	26000.	84	15004	No
12	GOM_NL__2PRFIN20050112_074848_000000942033_00421_15004_8929.N1	12-JAN-2005 07:48:48	Dark	94.000	15	67Alp Vir	0.97600	28000.	188	15004	No
13	GOM_NL__2PRFIN20050112_075603_000000442033_00422_15005_8921.N1	12-JAN-2005 07:56:03	Dark	43.500	20	Bet Cru	1.2530	30000.	87	15005	No
14	GOM_NL__2PRFIN20050112_080015_000000412033_00422_15005_8922.N1	12-JAN-2005 08:00:15	Dark	41.000	124	The Car	2.7640	30000.	82	15005	No
15	GOM_NL__2PRFIN20050112_080144_000000402033_00422_15005_8923.N1	12-JAN-2005 08:01:44	Dark	40.000	29	Bet Car	1.6720	10200.	80	15005	No
16	GOM_NL__2PRFIN20050112_080334_000000432033_00422_15005_8924.N1	12-JAN-2005 08:03:34	Dark	43.000	71	lot Car	2.2460	7700.0	86	15005	No
17	GOM_NL__2PRFIN20050112_080453_000000482033_00422_15005_8925.N1	12-JAN-2005 08:04:53	Dark	47.500	41	Eps Car	1.8600	4100.0	95	15005	No
18	GOM_NL__2PRFIN20050112_080836_000000482033_00422_15005_8926.N1	12-JAN-2005 08:08:36	Dark	47.500	2	Alp Car	-0.73600	7000.0	95	15005	No
19	GOM_NL__2PRFIN20050112_081022_000000452033_00422_15005_8927.N1	12-JAN-2005 08:10:22	Dark	45.000	70	Zet Pup	2.2460	39000.	90	15005	No
20	GOM_NL__2PRFIN20050112_081206_000000452033_00422_15005_8928.N1	12-JAN-2005 08:12:06	Straylight	44.500	117	Pi Pup	2.7060	3800.0	89	15005	No
21	GOM_NL__2PRFIN20050112_081442_000000452033_00422_15005_8929.N1	12-JAN-2005 08:14:42	Straylight	44.500	23	21Eps CMa	1.5020	26000.	89	15005	No
22	GOM_NL__2PRFIN20050112_081607_000000412033_00422_15005_8930.N1	12-JAN-2005 08:16:07	Straylight	41.000	179	24Omi2CMa	3.0320	24000.	82	15005	No
23	GOM_NL__2PRFIN20050112_081823_000000542033_00422_15005_8931.N1	12-JAN-2005 08:18:23	Straylight	53.500	1	9Alp CMa	-1.4400	11000.	107	15005	No
24	GOM_NL__2PRFIN20050112_082137_000000512033_00422_15005_8932.N1	12-JAN-2005 08:21:37	Straylight	50.500	7	19Bet Ori	0.10000	14000.	101	15005	No
25	GOM_NL__2PRFIN20050112_082319_000000442033_00422_15005_8933.N1	12-JAN-2005 08:23:19	Twilight	44.000	30	46Eps Ori	1.6940	30000.	88	15005	No
26	GOM_NL__2PRFIN20050112_082523_000000642033_00422_15005_8934.N1	12-JAN-2005 08:25:23	Twilight	63.500	8	10Alp CMi	0.40000	6500.0	127	15005	No
27	GOM_NL__2PRFIN20050112_082813_000000442033_00422_15005_8935.N1	12-JAN-2005 08:28:13	Twilight	44.000	44	24Gam Gem	1.9280	11000.	88	15005	No
28	GOM_NL__2PRFIN20050112_082955_000000472033_00422_15005_8936.N1	12-JAN-2005 08:29:55	Bright	46.500	151	13Mu Gem	2.8900	3000.0	93	15005	No
29	GOM_NL__2PRFIN20050112_083140_000000382033_00422_15005_8937.N1	12-JAN-2005 08:31:40	Bright	38.000	28	12Bet Tau	1.6500	15200.	76	15005	No
30	GOM_NL__2PRFIN20050112_083311_000000402033_00422_15005_8938.N1	12-JAN-2005 08:33:11	Bright	39.500	114	3lot Aur	2.6930	4600.0	79	15005	No
31	GOM_NL__2PRFIN20050112_083614_000000392033_00422_15005_8939.N1	12-JAN-2005 08:36:14	Bright	38.500	42	34Bet Aur	1.9000	10200.	77	15005	No
32	GOM_NL__2PRFIN20050112_083823_000000392033_00422_15005_8940.N1	12-JAN-2005 08:38:23	Bright	38.500	175	39Del Per	3.0100	19400.	77	15005	No
33	GOM_NL__2PRFIN20050112_084844_000000382033_00422_15005_8941.N1	12-JAN-2005 08:48:44	Bright	38.000	49	1Alp UMi	1.9900	6300.0	76	15005	No
34	GOM_NL__2PRFIN20050112_085249_000000422033_00422_15005_8942.N1	12-JAN-2005 08:52:49	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	15005	No
35	GOM_NL__2PRFIN20050112_085529_000000542033_00422_15005_8943.N1	12-JAN-2005 08:55:29	Bright	54.000	32	77Eps UMa	1.7630	11000.	108	15005	No
36	GOM_NL__2PRFIN20050112_085931_000000382033_00422_15005_8944.N1	12-JAN-2005 08:59:31	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	15005	No
37	GOM_NL__2PRFIN20050112_090235_000000392033_00422_15005_8945.N1	12-JAN-2005 09:02:35	Bright	38.500	5	3Alp Lyr	0.033000	11000.	77	15005	No
38	GOM_NL__2PRFIN20050112_090415_000000502033_00422_15005_8946.N1	12-JAN-2005 09:04:15	Bright	49.500	180	27Gam Boo	3.0400	8000.0	99	15005	No
39	GOM_NL__2PRFIN20050112_090835_000000532033_00422_15005_8947.N1	12-JAN-2005 09:08:35	Bright	53.000	83		2.3780	11000.	106	15005	No
40	GOM_NL__2PRFIN20050112_091034_000000372033_00422_15005_8948.N1	12-JAN-2005 09:10:34	Bright	36.500	59	55Alp Oph	2.0800	8900.0	73	15005	No
41	GOM_NL__2PRFIN20050112_091414_000000862033_00422_15005_8949.N1	12-JAN-2005 09:14:14	Twilight	85.500	111	8Eta Boo	2.6800	6000.0	171	15005	No
42	GOM_NL__2PRFIN20050112_091746_000000382033_00422_15005_8950.N1	12-JAN-2005 09:17:46	Bright	38.000	98	13Zet Oph	2.5710	30000.	76	15005	No

338	GOM_NL__2PRFIN20050112_232703_000000472033_00431_15014_8933.N1	12-JAN-2005 23:27:03	Straylight	46.500	7	19Bet Ori	0.10000	14000.	93	15014	No
339	GOM_NL__2PRFIN20050112_232843_000000392033_00431_15014_8934.N1	12-JAN-2005 23:28:43	Twl_and_stray	39.000	30	46Eps Ori	1.6940	30000.	78	15014	No
340	GOM_NL__2PRFIN20050112_233056_000000522033_00431_15014_8935.N1	12-JAN-2005 23:30:56	Twl_and_stray	52.000	14	58Alp Ori	0.87000	3000.0	104	15014	No
341	GOM_NL__2PRFIN20050112_233334_000000462033_00431_15014_8936.N1	12-JAN-2005 23:33:34	Bright	45.500	44	24Gam Gem	1.9280	11000.	91	15014	No
342	GOM_NL__2PRFIN20050112_233516_000000452033_00431_15014_8937.N1	12-JAN-2005 23:35:16	Bright	45.000	151	13Mu Gem	2.8900	3000.0	90	15014	No
343	GOM_NL__2PRFIN20050112_233703_000000392033_00431_15014_8938.N1	12-JAN-2005 23:37:03	Bright	39.000	28	12Bet Tau	1.6500	15200.	78	15014	No
344	GOM_NL__2PRFIN20050112_233835_000000402033_00431_15014_8939.N1	12-JAN-2005 23:38:35	Bright	39.500	114	3lot Aur	2.6930	4600.0	79	15014	No
345	GOM_NL__2PRFIN20050112_234136_000000532033_00431_15014_8940.N1	12-JAN-2005 23:41:36	Bright	53.000	42	34Bet Aur	1.9000	10200.	106	15014	No
346	GOM_NL__2PRFIN20050112_234350_000000362033_00431_15014_8941.N1	12-JAN-2005 23:43:50	Bright	36.000	175	39Del Per	3.0100	19400.	72	15014	No
347	GOM_NL__2PRFIN20050112_235408_000000372033_00431_15014_8942.N1	12-JAN-2005 23:54:08	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	15014	No
348	GOM_NL__2PRFIN20050112_235811_000000382033_00431_15014_8943.N1	12-JAN-2005 23:58:11	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	15014	No

3. Quality information per product

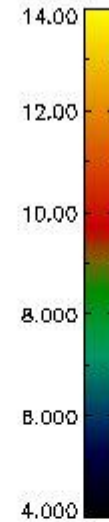
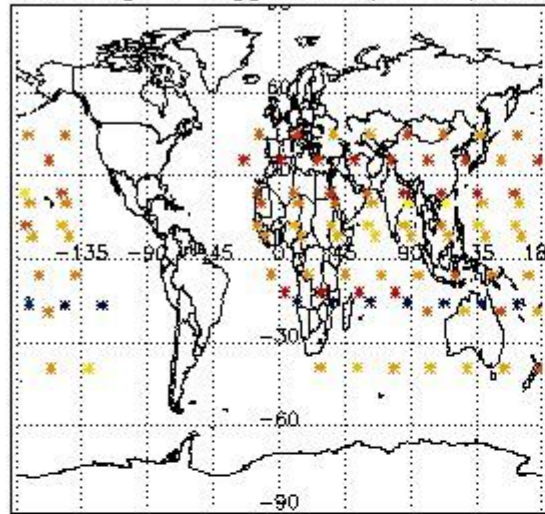
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

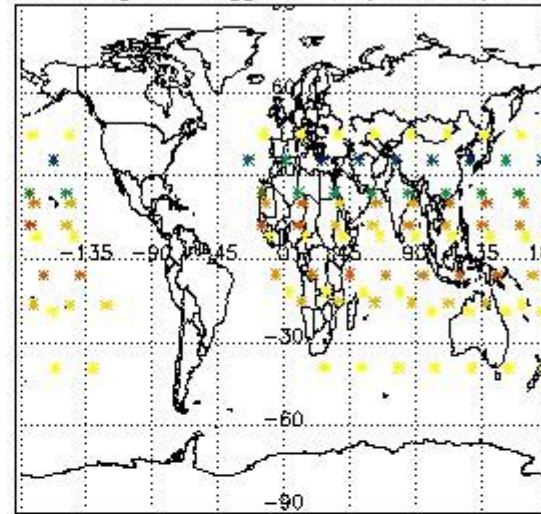


3.2 Plot quality information per product (world map)

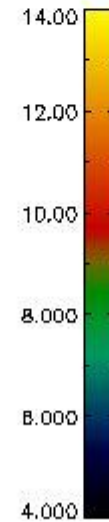
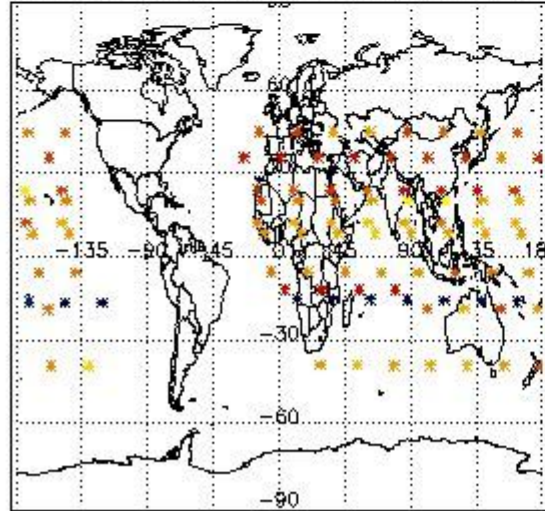
Percentage of flagged data per O3 profile



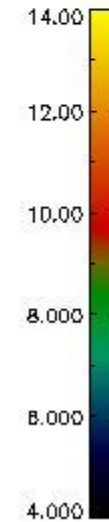
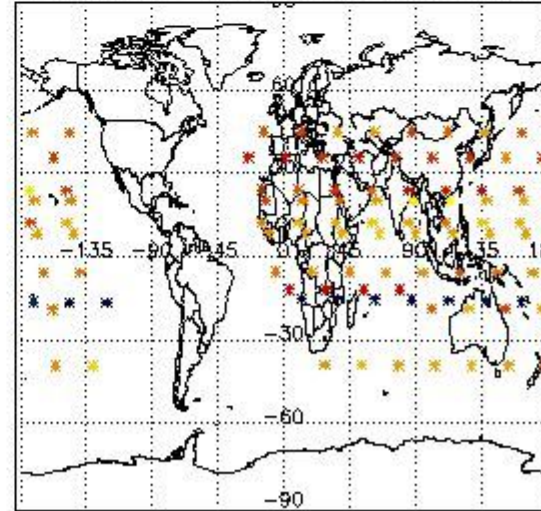
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

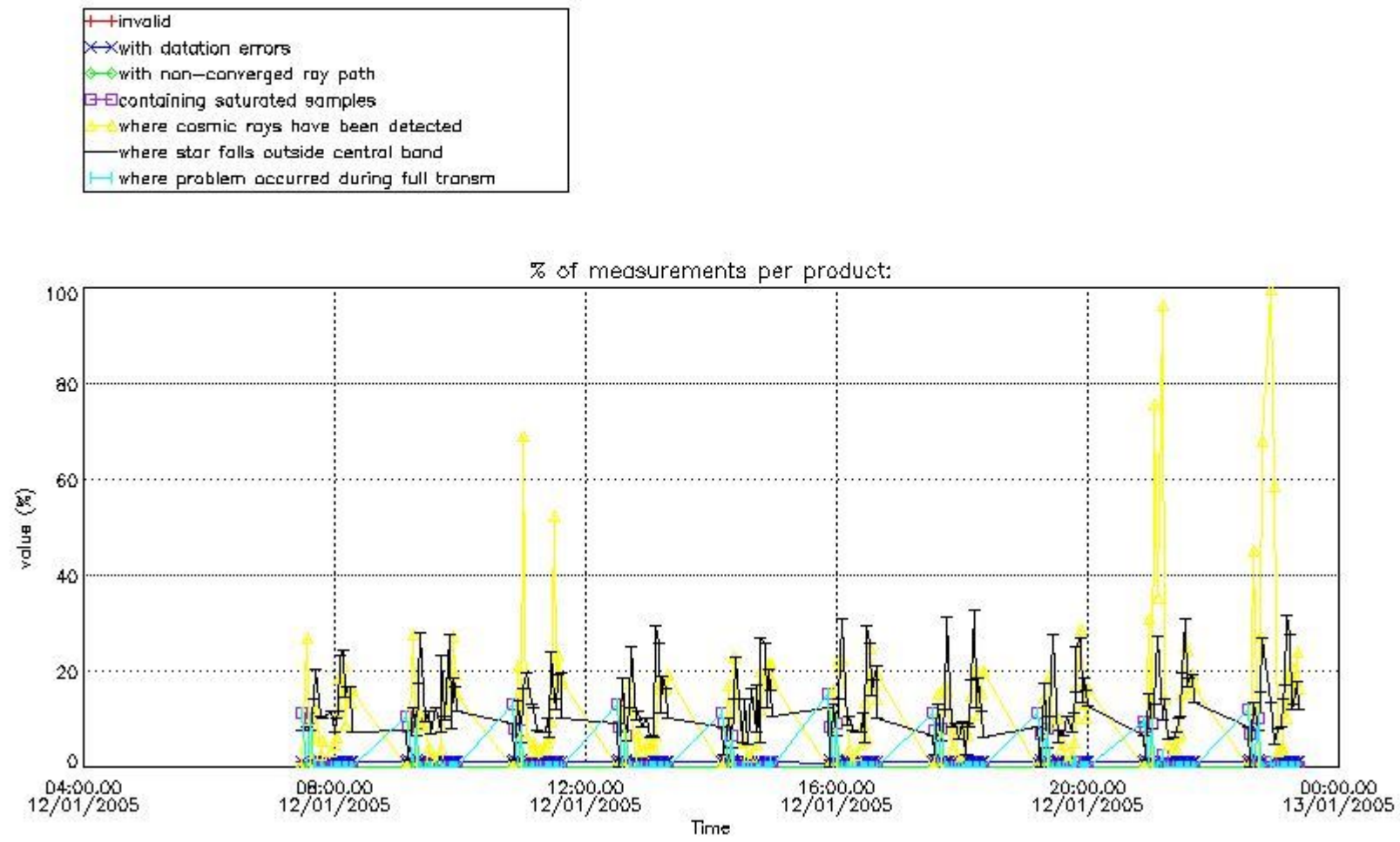


4. Level 1 quality information per product

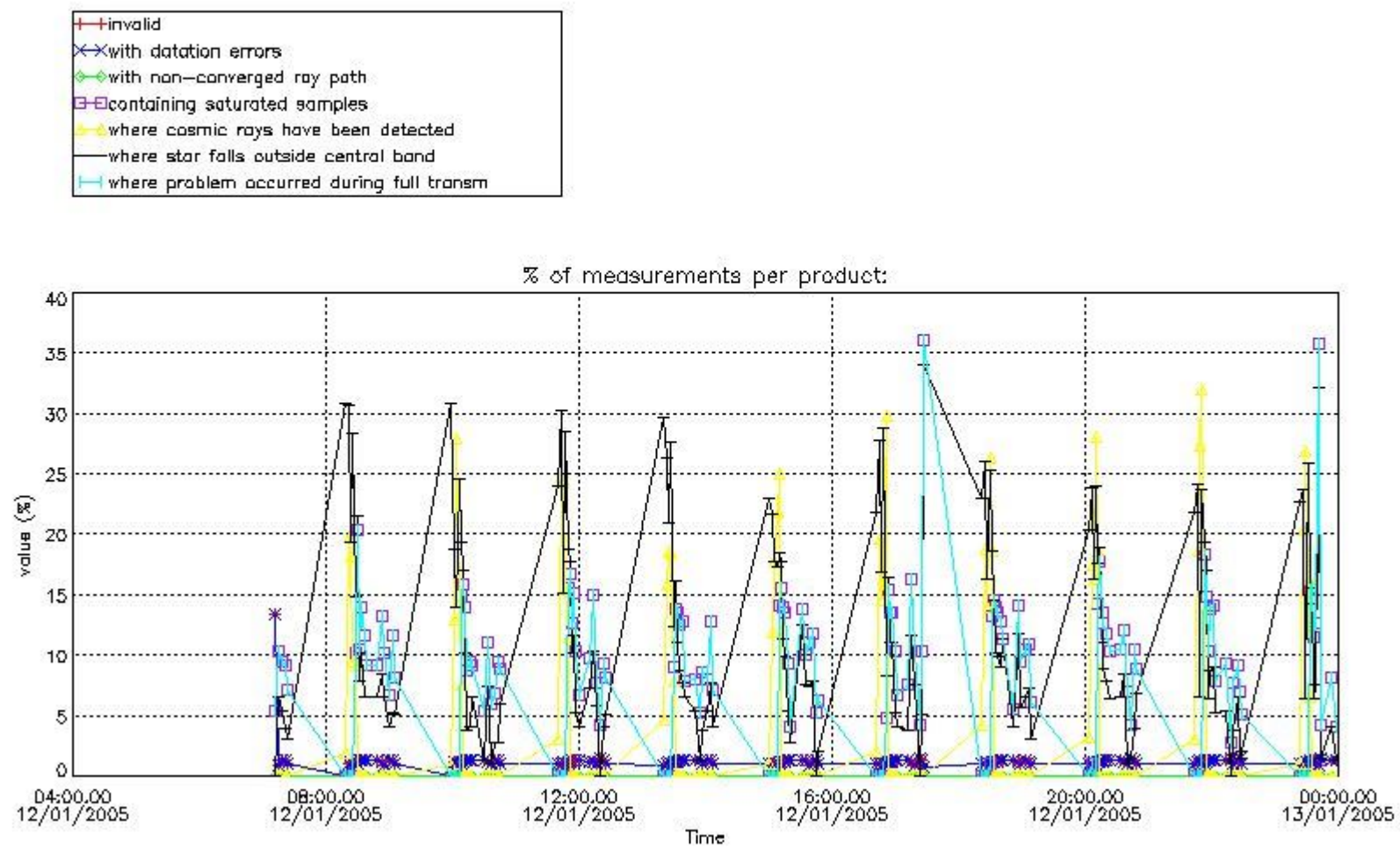
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



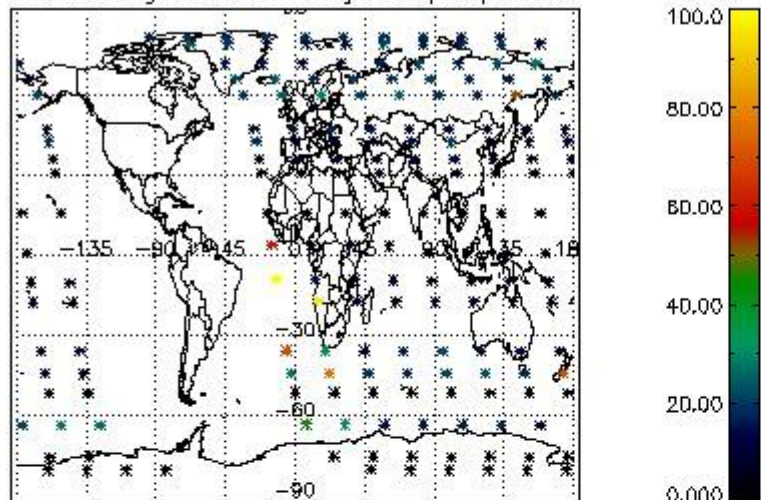
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



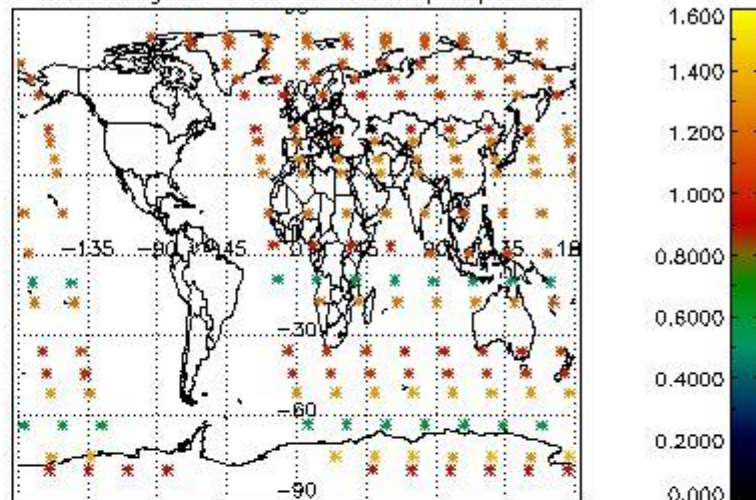
4.2 Plot quality information per product coming from level 1b processing (world map)

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

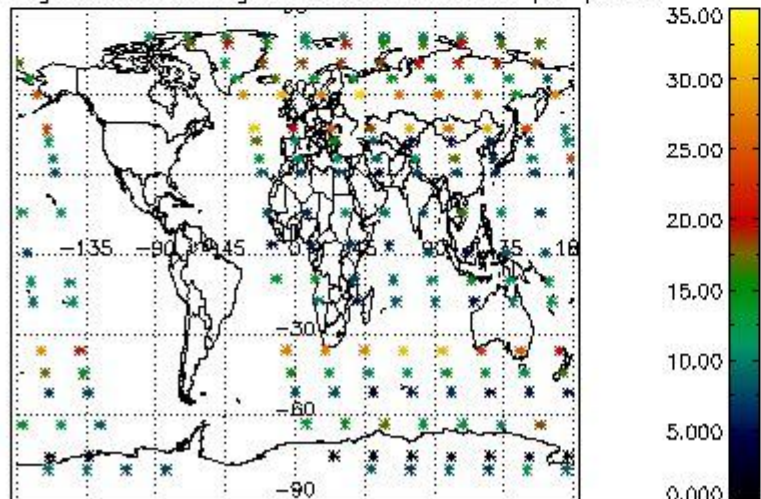
Percentage of cosmic ray hits per profile



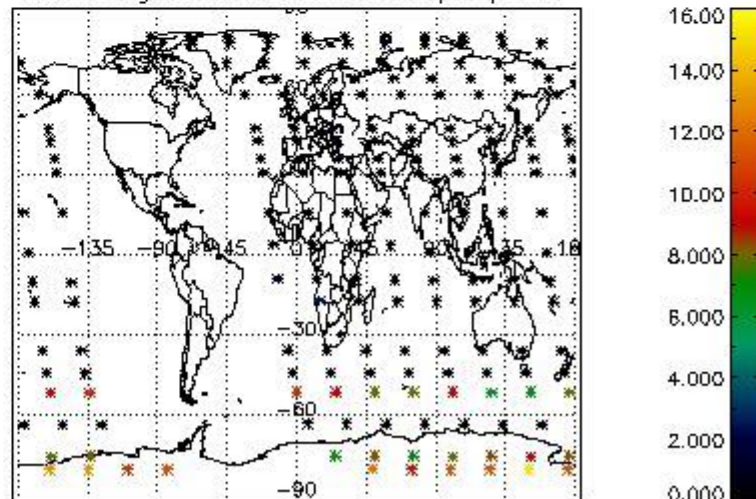
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

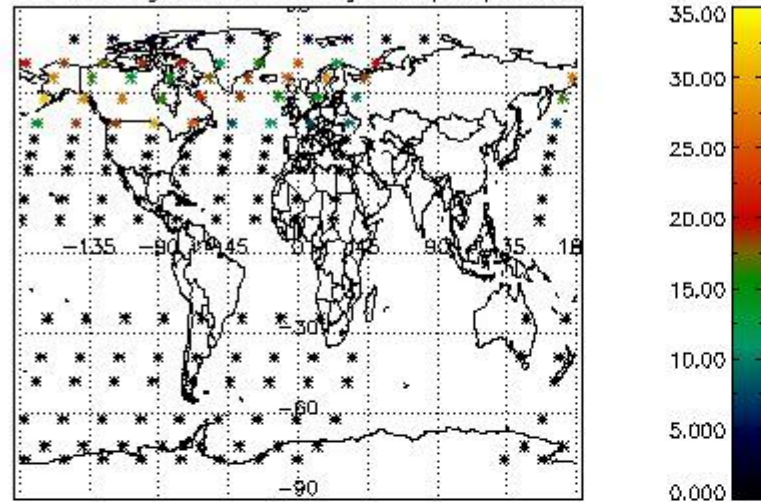


Percentage of saturation errors per profile

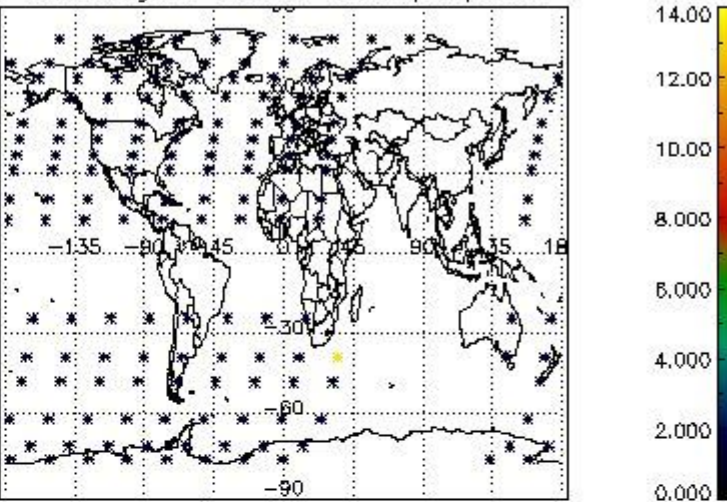


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

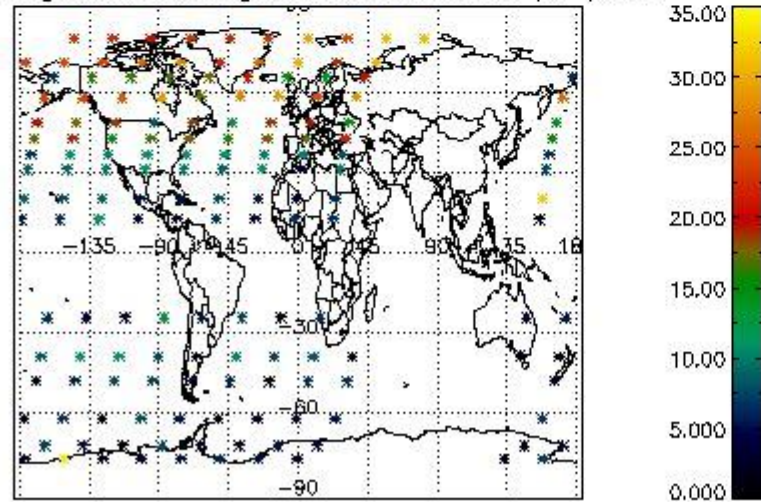
Percentage of cosmic ray hits per profile



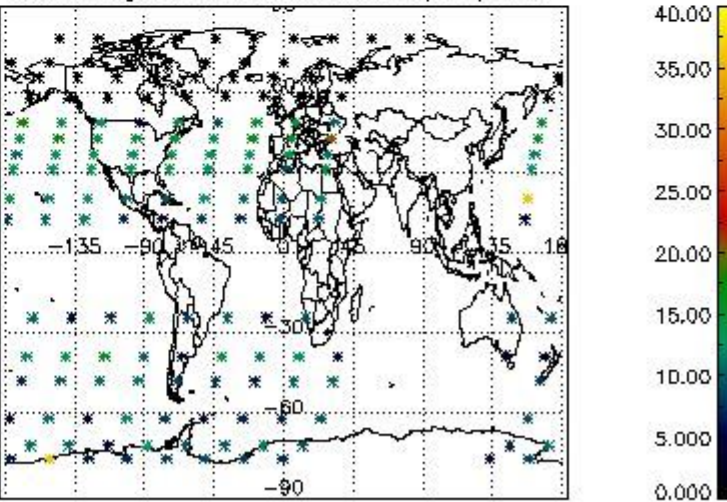
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

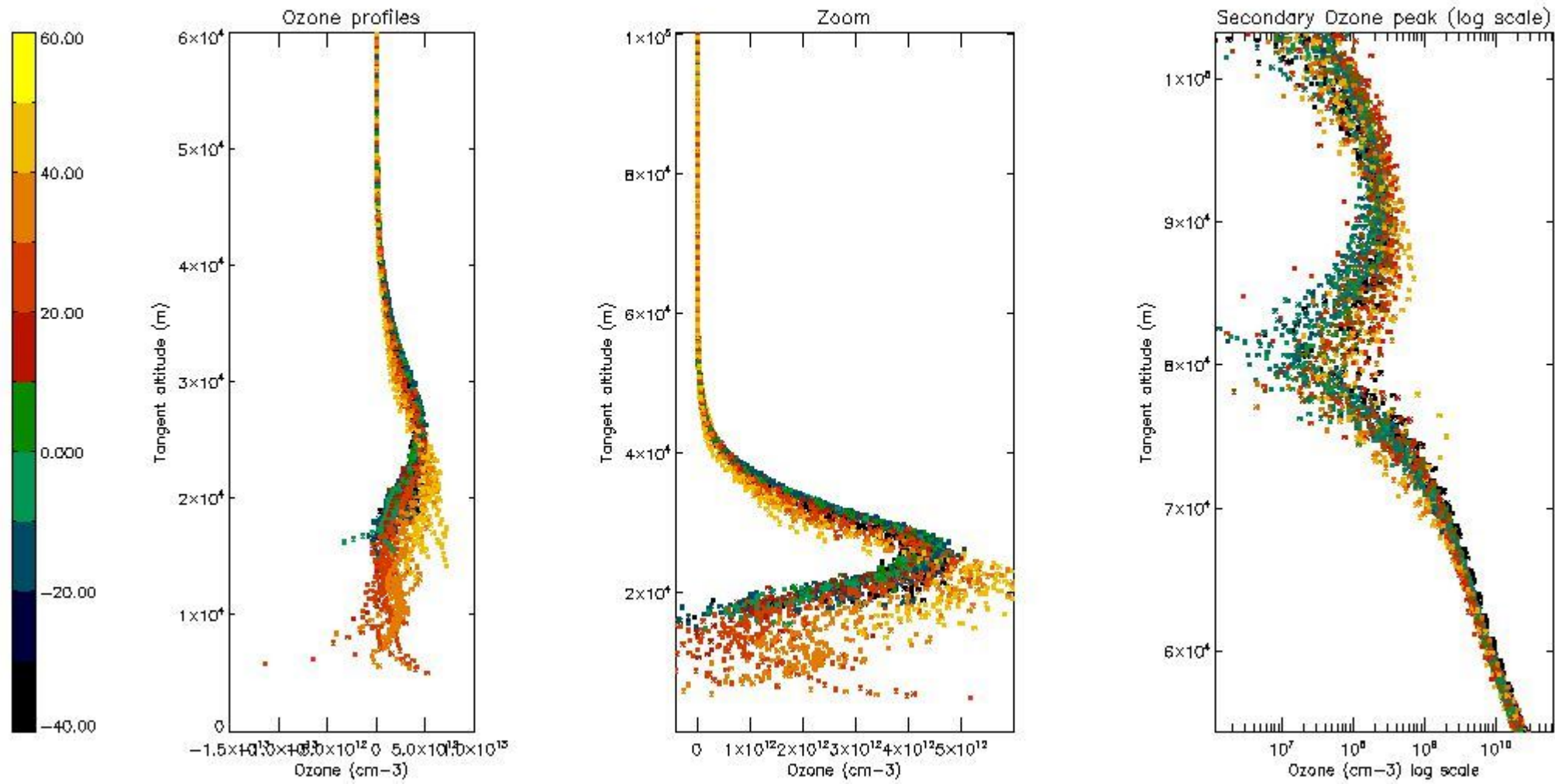
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	30
STD < 20	20

STD < 10	17
STD < 5	13

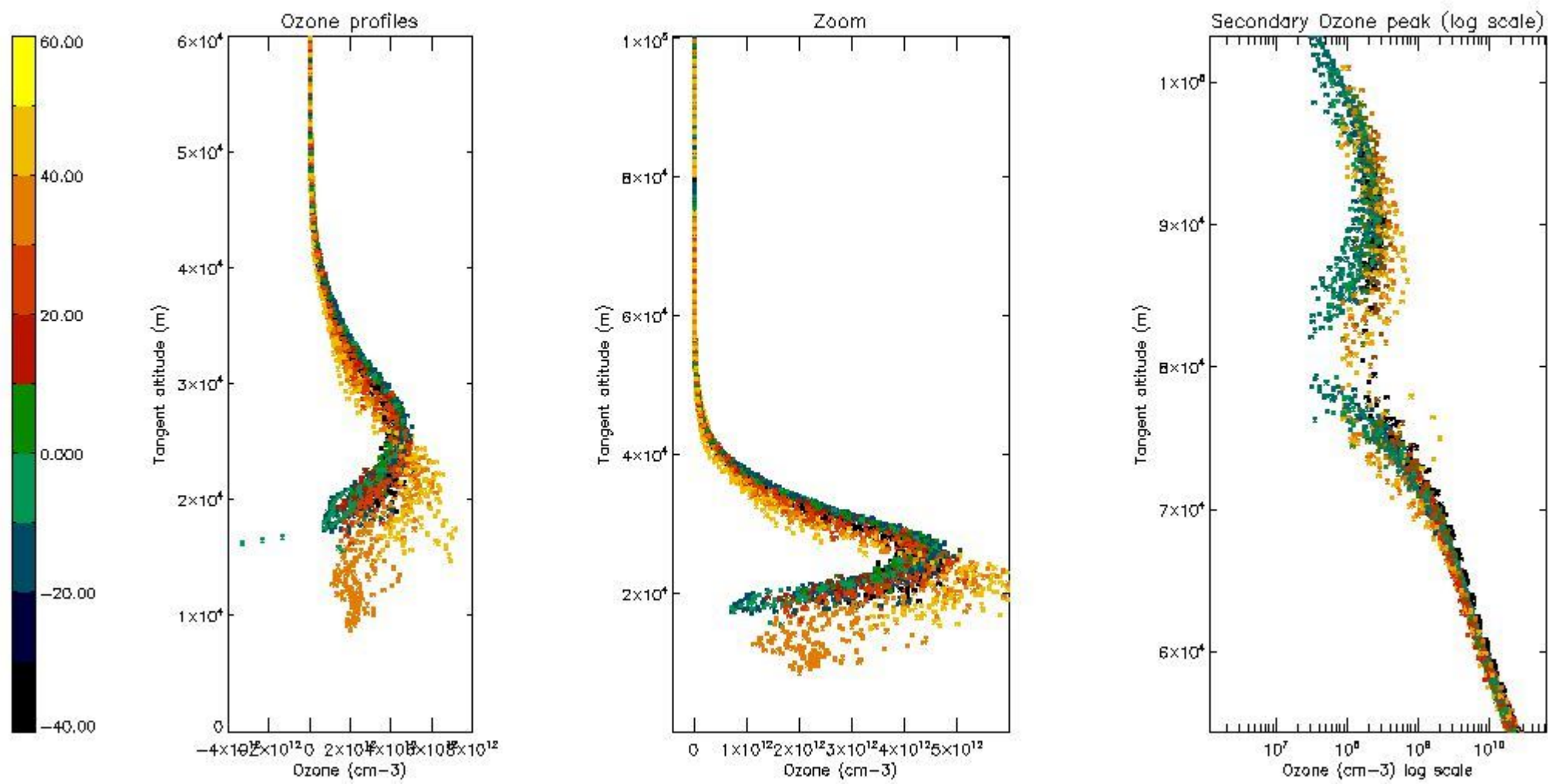
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



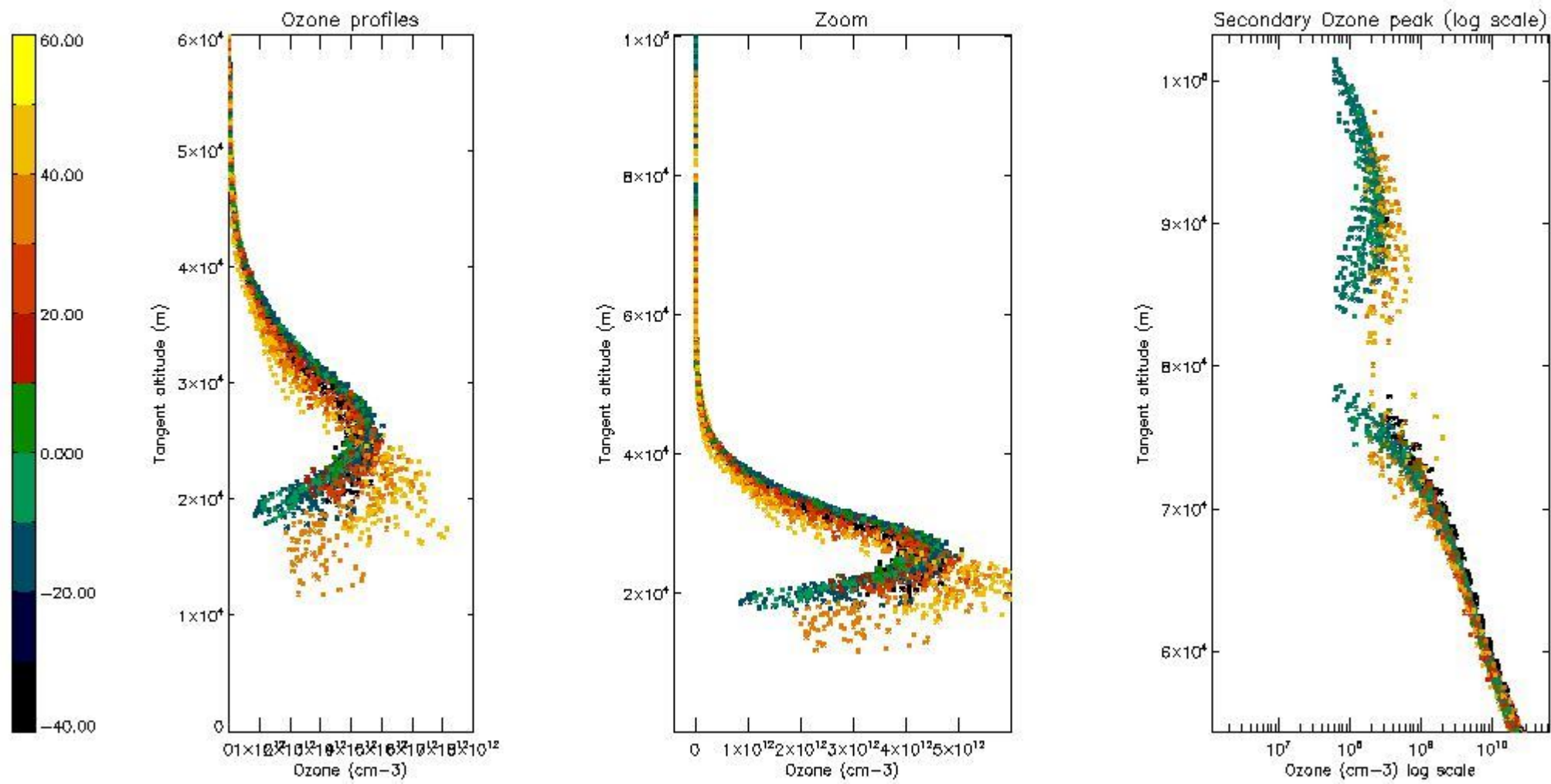
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



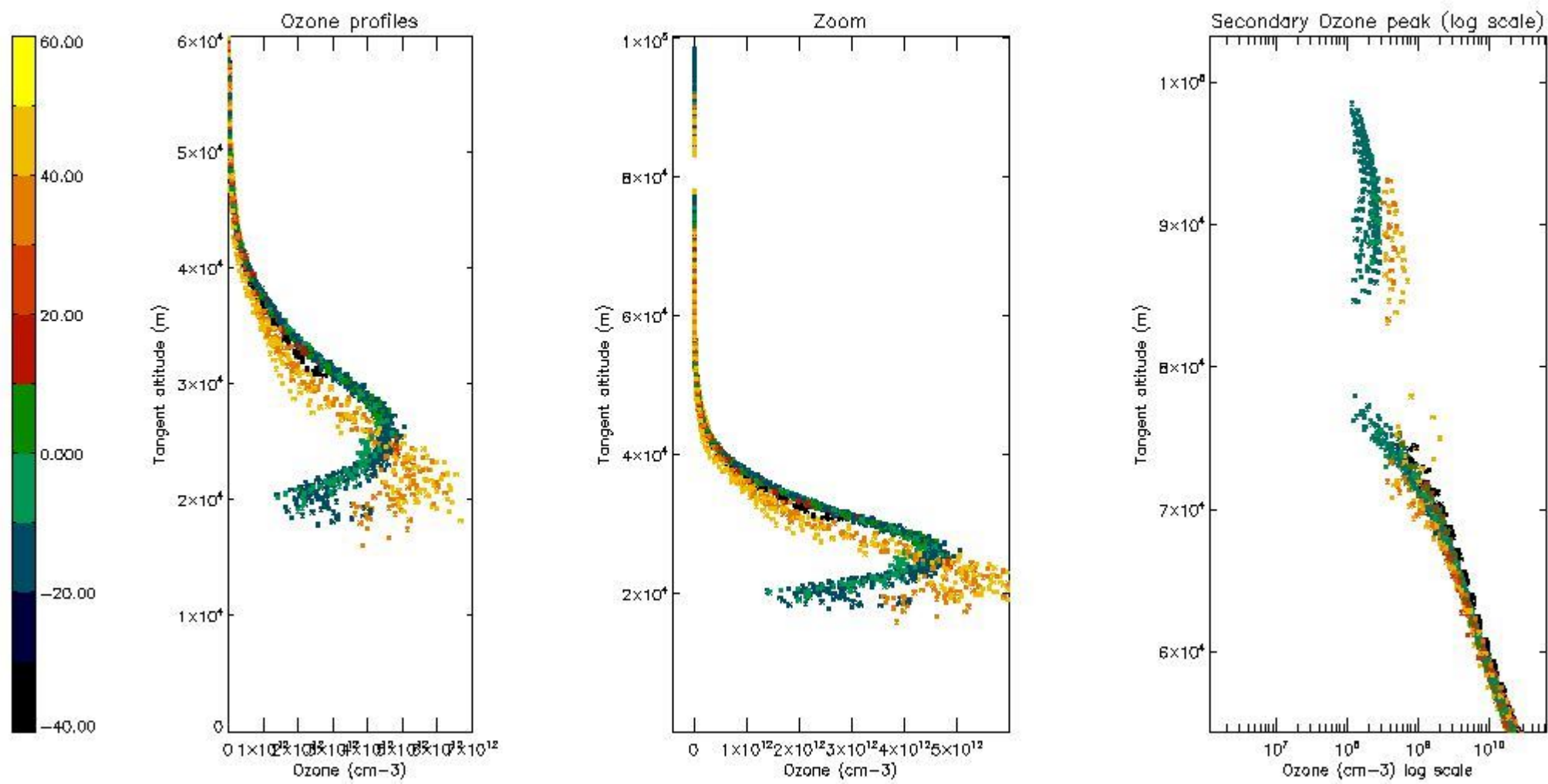
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



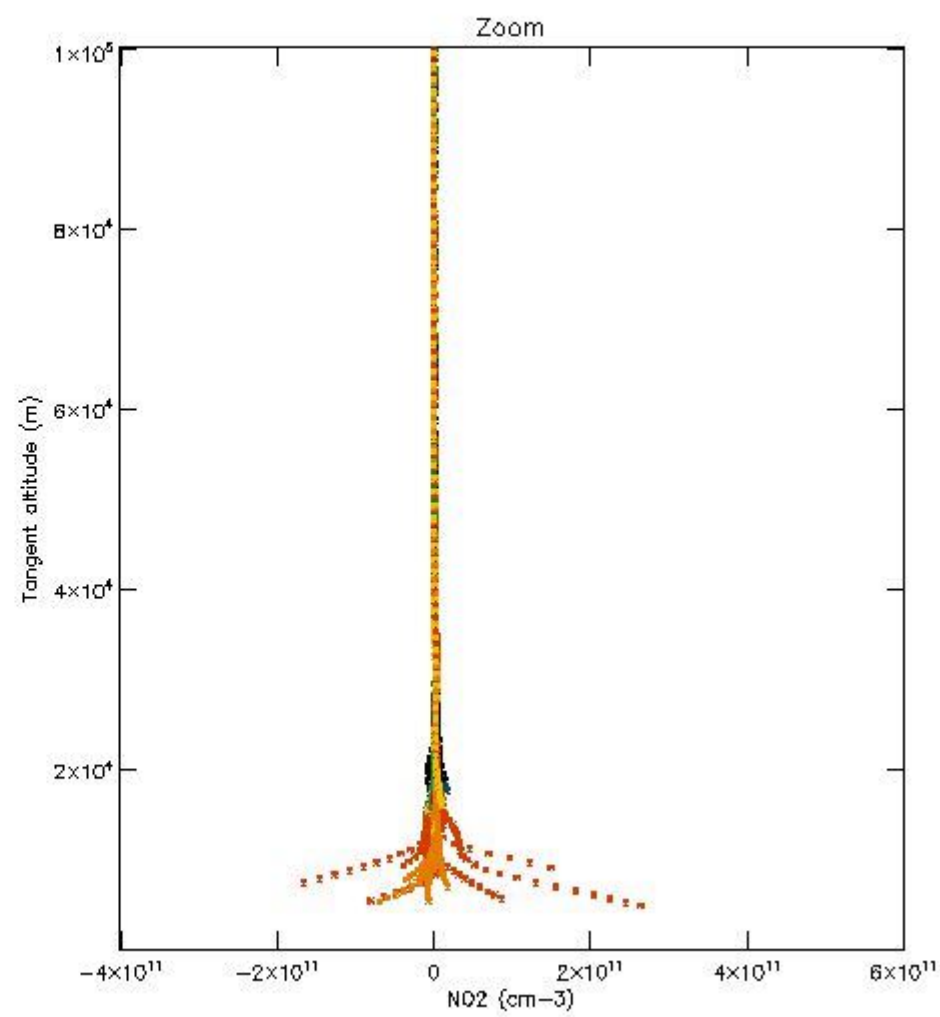
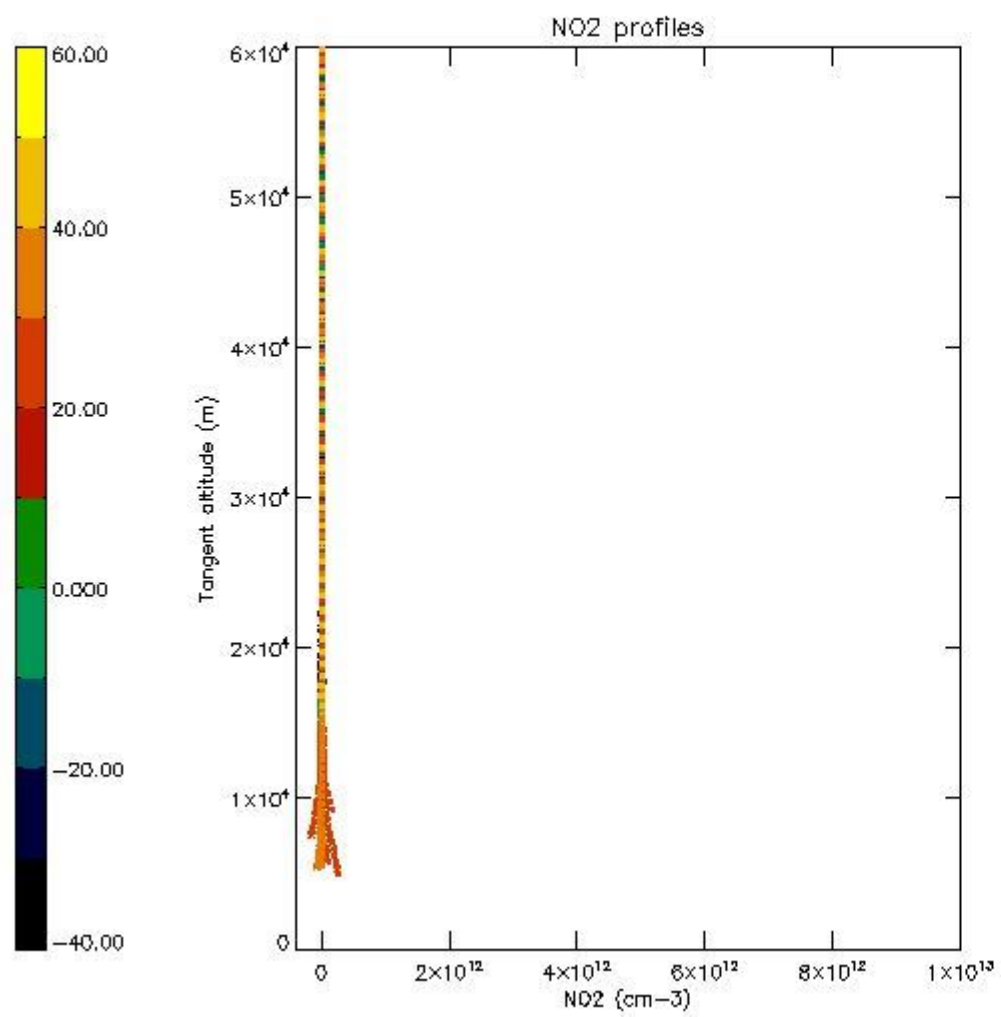
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



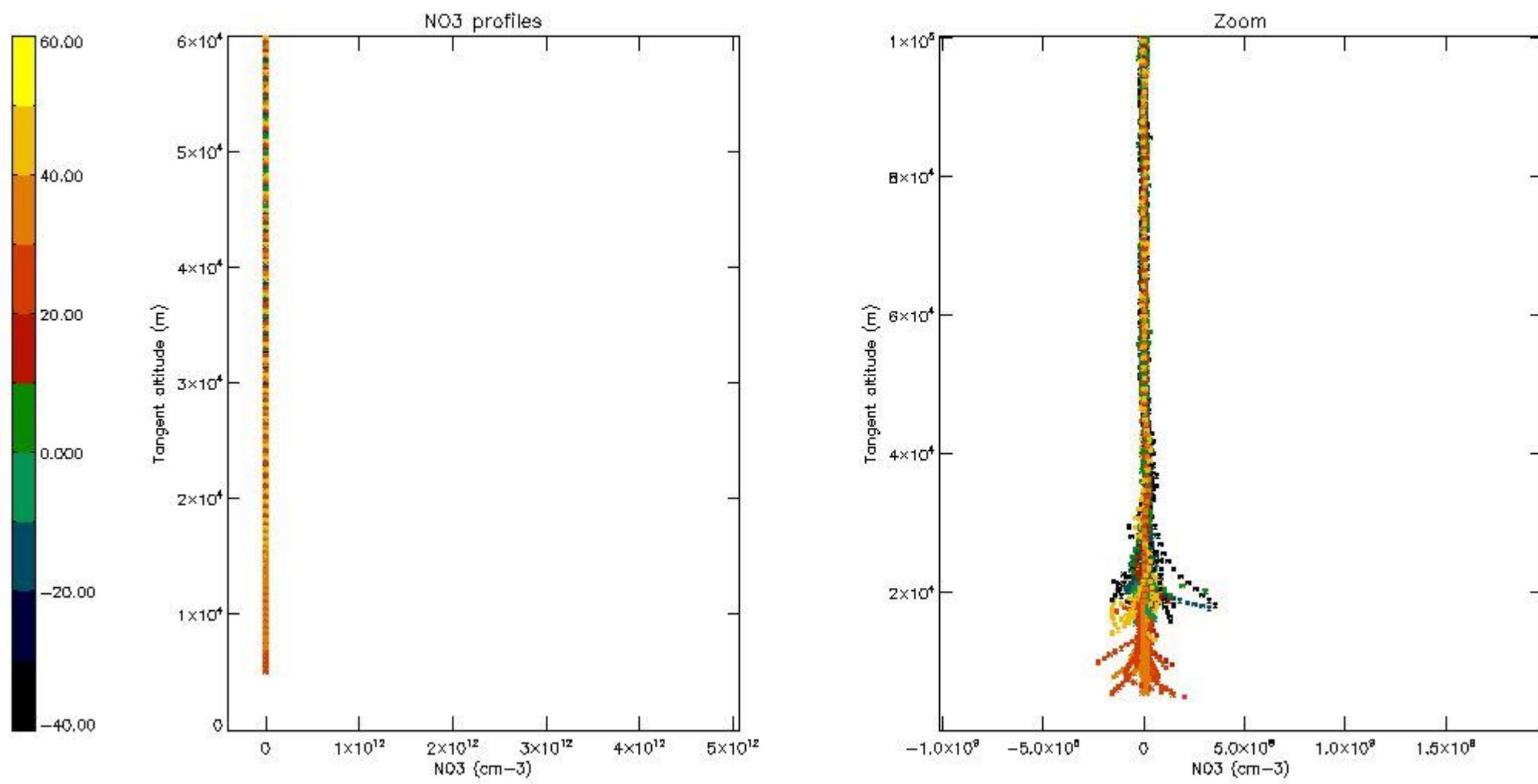
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



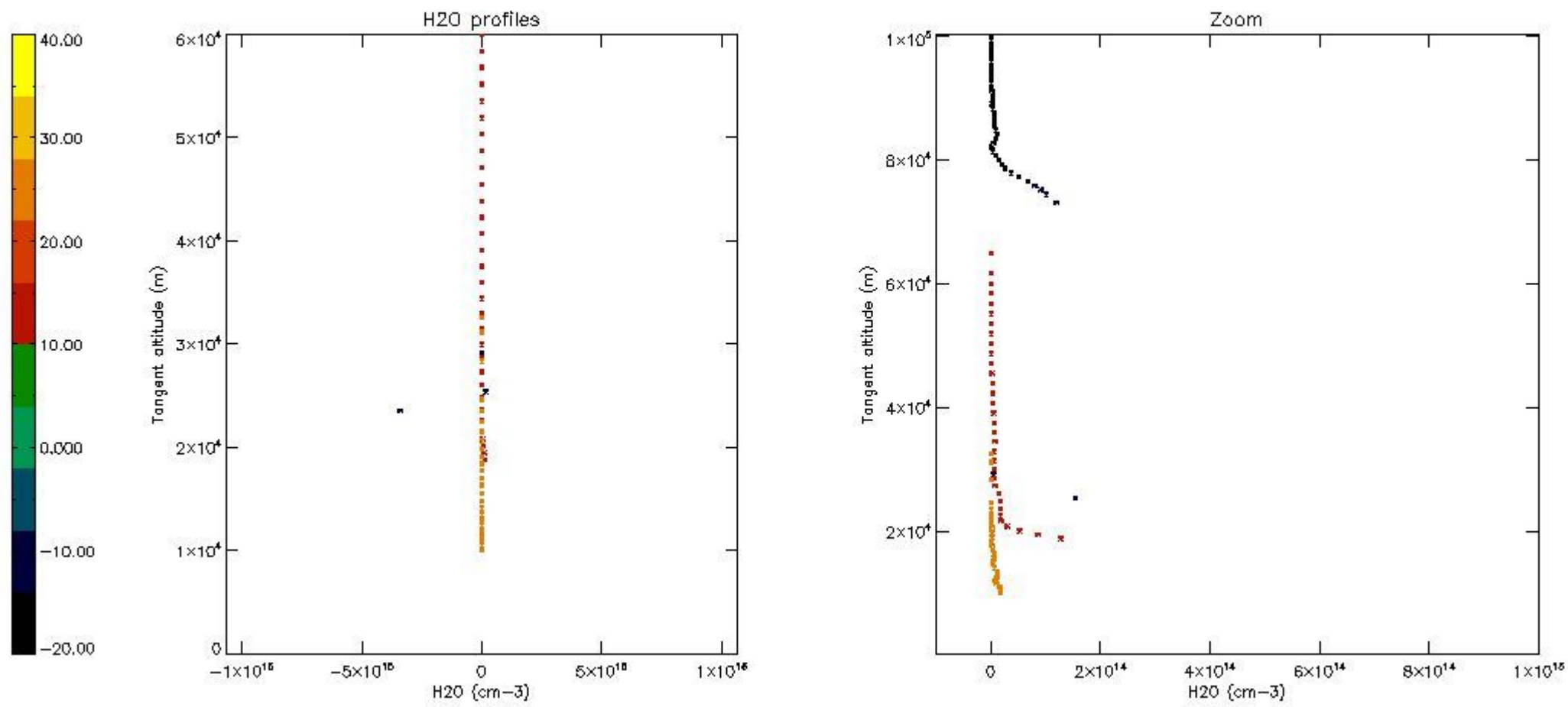
5.7 Plot NO3 profiles for all STD (dark without errors)

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	12-JAN-2005 07:12:14
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	12-JAN-2005 07:12:14
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	12-JAN-2005 07:12:14

GOMOS Level 2 Daily Report

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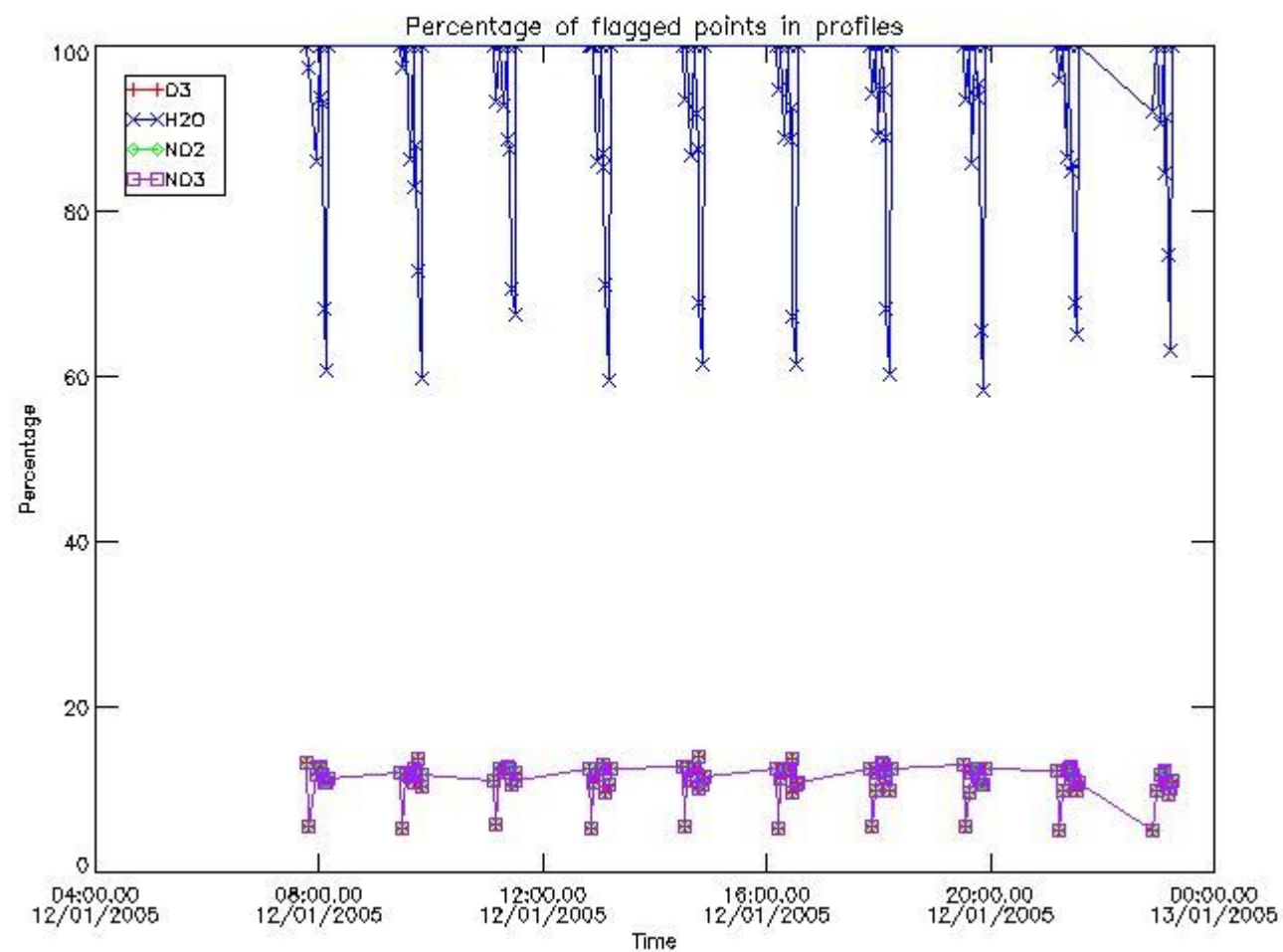
[6. Auxiliary Data Files used for the production reported in section 2](#)

338	GOM_NL__2PRFIN20050112_232703_000000472033_00431_15014_8933.N1	12-JAN-2005 23:27:03	Straylight	46.500	7	19Bet Ori	0.10000	14000.	93	15014	No
339	GOM_NL__2PRFIN20050112_232843_000000392033_00431_15014_8934.N1	12-JAN-2005 23:28:43	Twl_and_stray	39.000	30	46Eps Ori	1.6940	30000.	78	15014	No
340	GOM_NL__2PRFIN20050112_233056_000000522033_00431_15014_8935.N1	12-JAN-2005 23:30:56	Twl_and_stray	52.000	14	58Alp Ori	0.87000	3000.0	104	15014	No
341	GOM_NL__2PRFIN20050112_233334_000000462033_00431_15014_8936.N1	12-JAN-2005 23:33:34	Bright	45.500	44	24Gam Gem	1.9280	11000.	91	15014	No
342	GOM_NL__2PRFIN20050112_233516_000000452033_00431_15014_8937.N1	12-JAN-2005 23:35:16	Bright	45.000	151	13Mu Gem	2.8900	3000.0	90	15014	No
343	GOM_NL__2PRFIN20050112_233703_000000392033_00431_15014_8938.N1	12-JAN-2005 23:37:03	Bright	39.000	28	12Bet Tau	1.6500	15200.	78	15014	No
344	GOM_NL__2PRFIN20050112_233835_000000402033_00431_15014_8939.N1	12-JAN-2005 23:38:35	Bright	39.500	114	3lot Aur	2.6930	4600.0	79	15014	No
345	GOM_NL__2PRFIN20050112_234136_000000532033_00431_15014_8940.N1	12-JAN-2005 23:41:36	Bright	53.000	42	34Bet Aur	1.9000	10200.	106	15014	No
346	GOM_NL__2PRFIN20050112_234350_000000362033_00431_15014_8941.N1	12-JAN-2005 23:43:50	Bright	36.000	175	39Del Per	3.0100	19400.	72	15014	No
347	GOM_NL__2PRFIN20050112_235408_000000372033_00431_15014_8942.N1	12-JAN-2005 23:54:08	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	15014	No
348	GOM_NL__2PRFIN20050112_235811_000000382033_00431_15014_8943.N1	12-JAN-2005 23:58:11	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	15014	No

3. Quality information per product

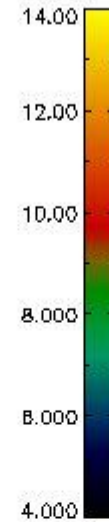
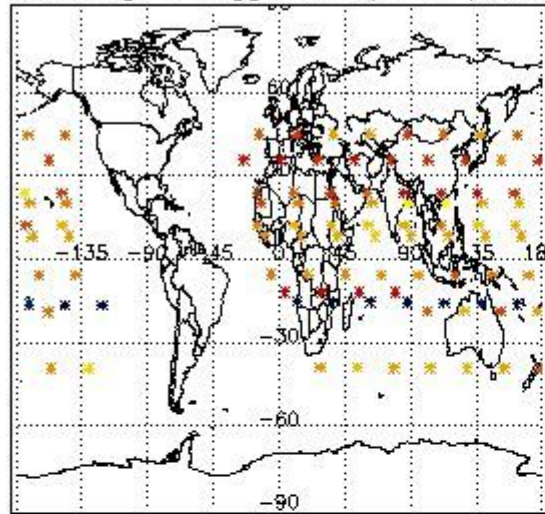
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

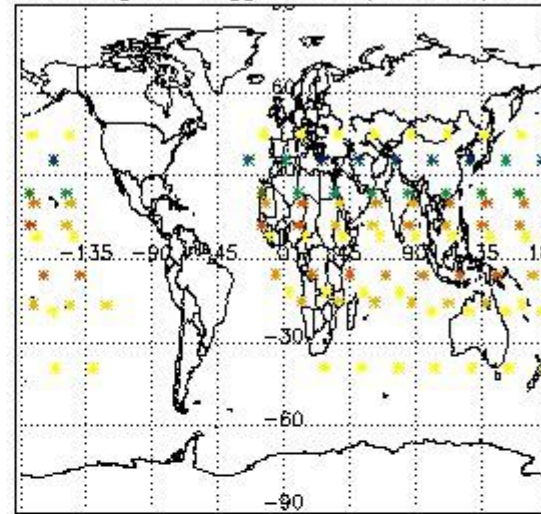


3.2 Plot quality information per product (world map)

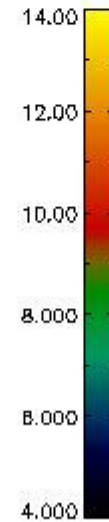
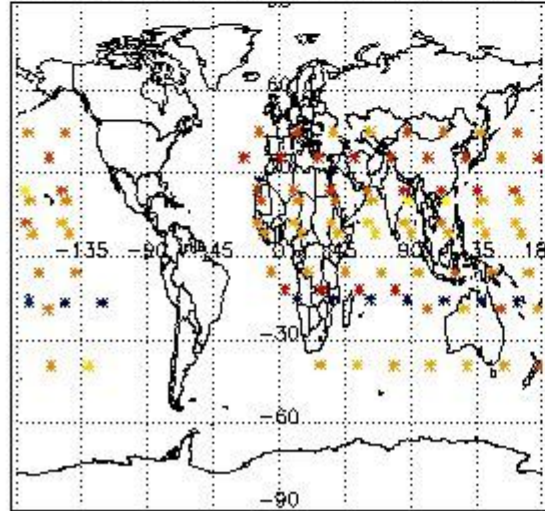
Percentage of flagged data per O3 profile



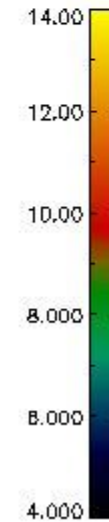
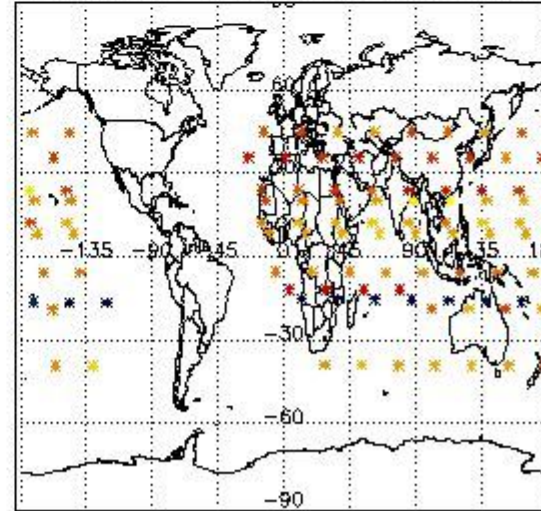
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

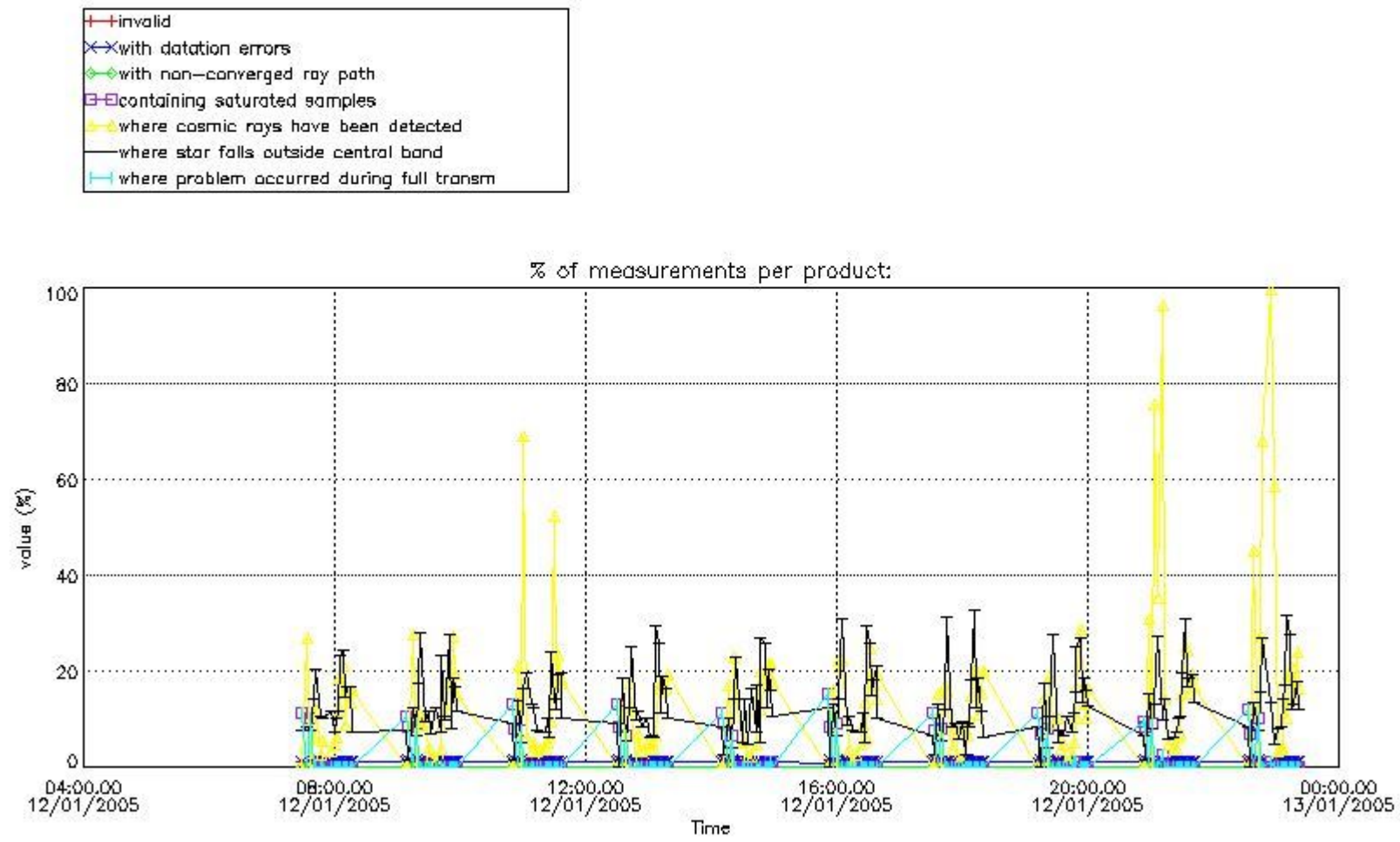


4. Level 1 quality information per product

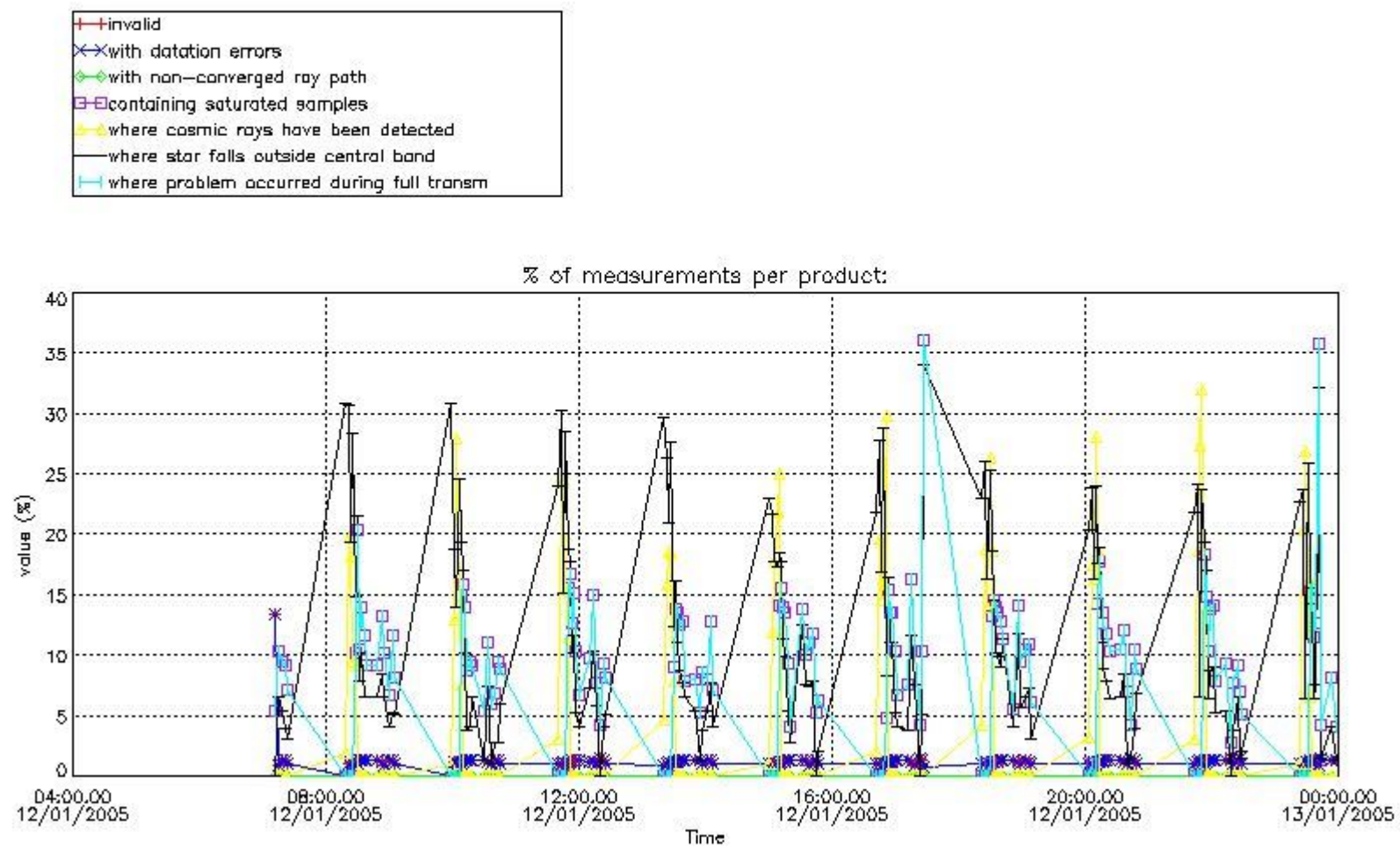
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



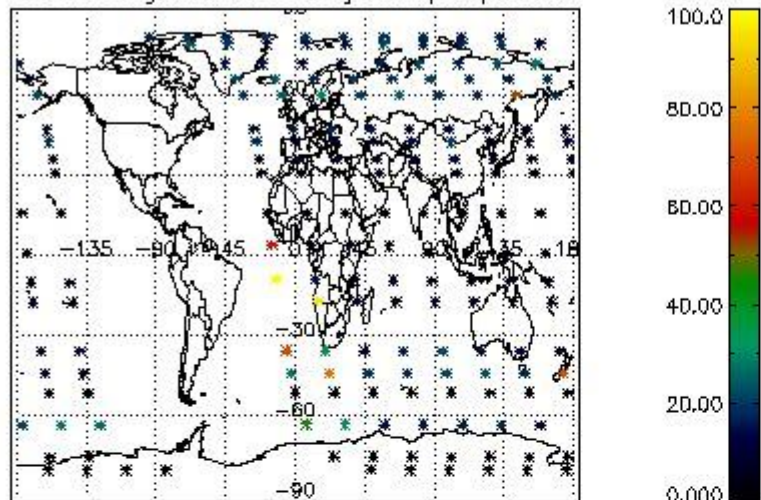
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



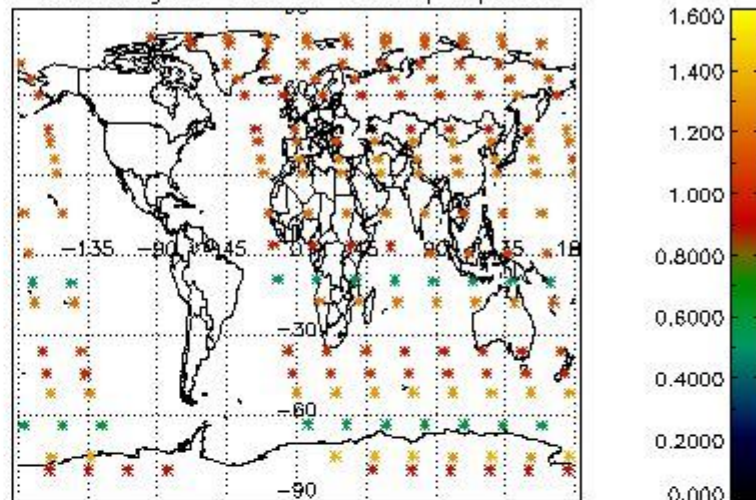
4.2 Plot quality information per product coming from level 1b processing (world map)

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

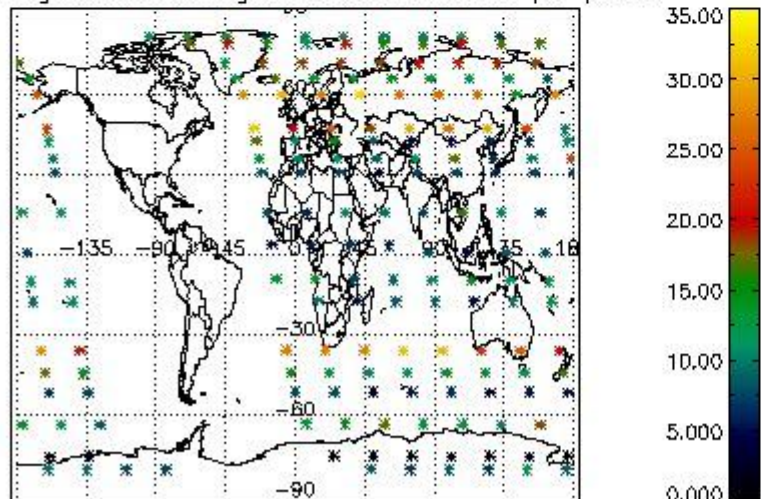
Percentage of cosmic ray hits per profile



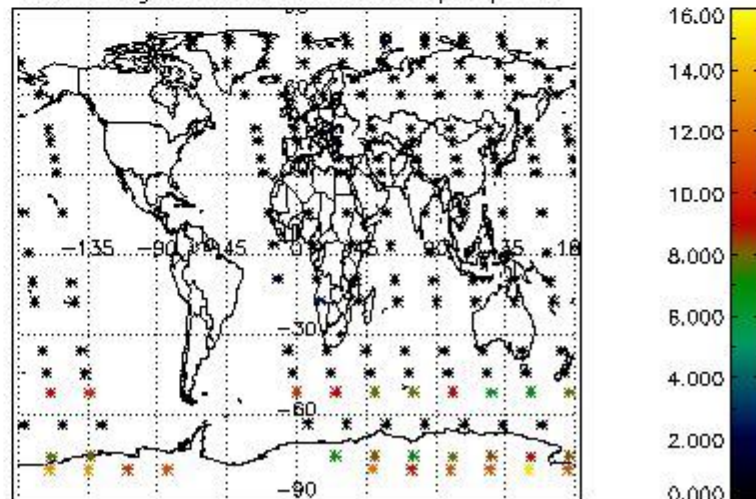
Percentage of datation errors per profile



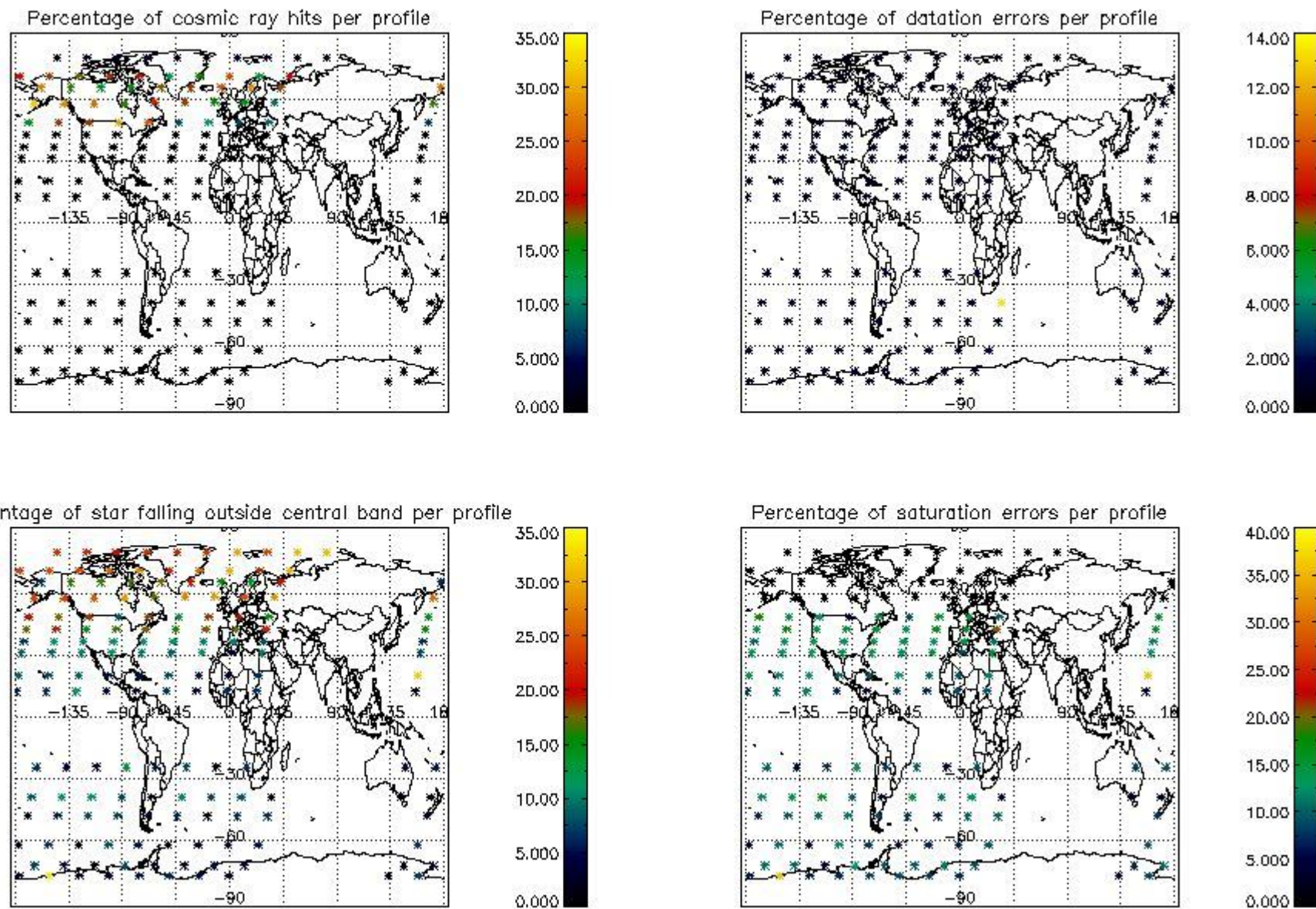
Percentage of star falling outside central band per profile



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

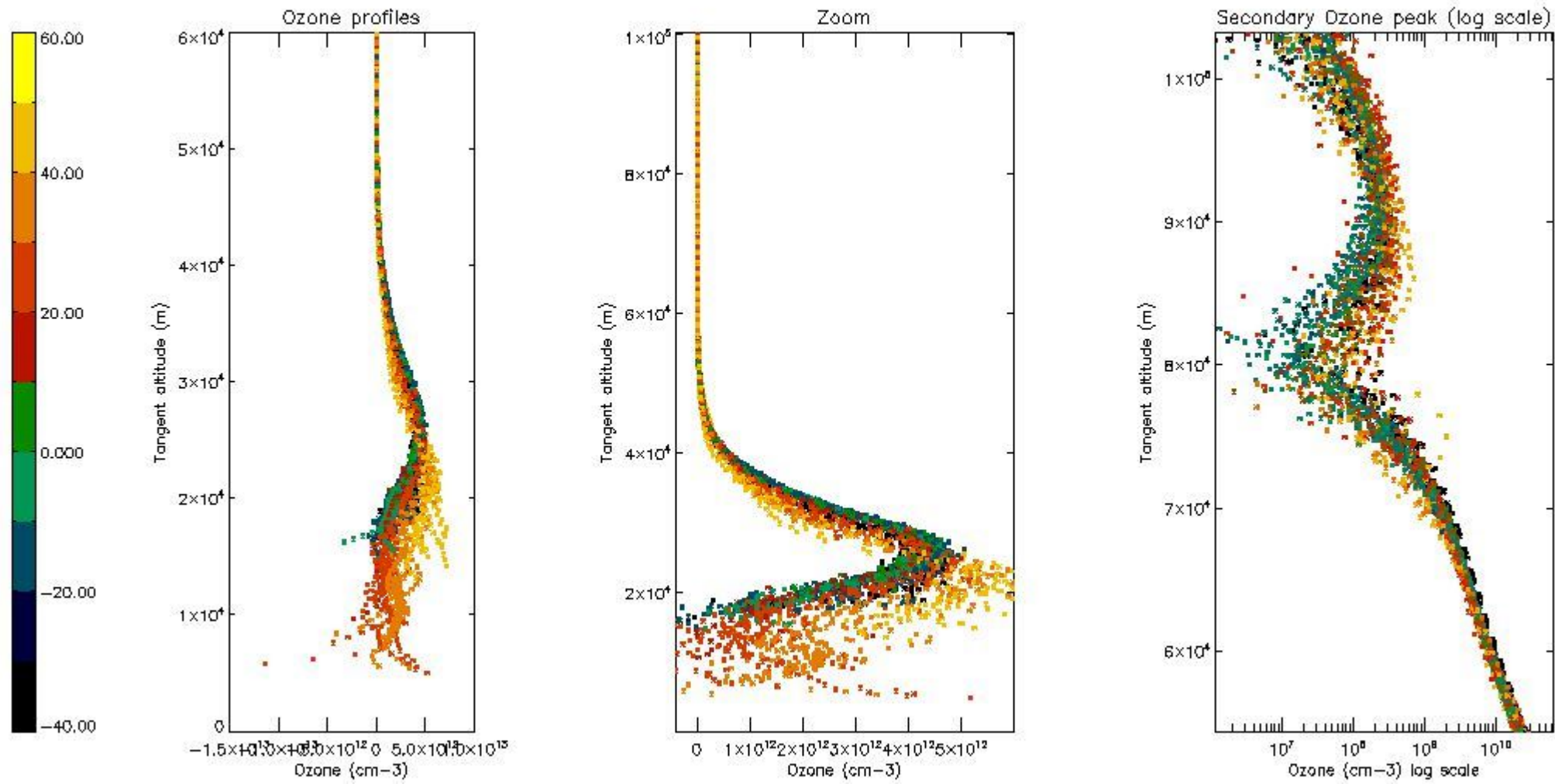
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	30
STD < 20	20

STD < 10	17
STD < 5	13

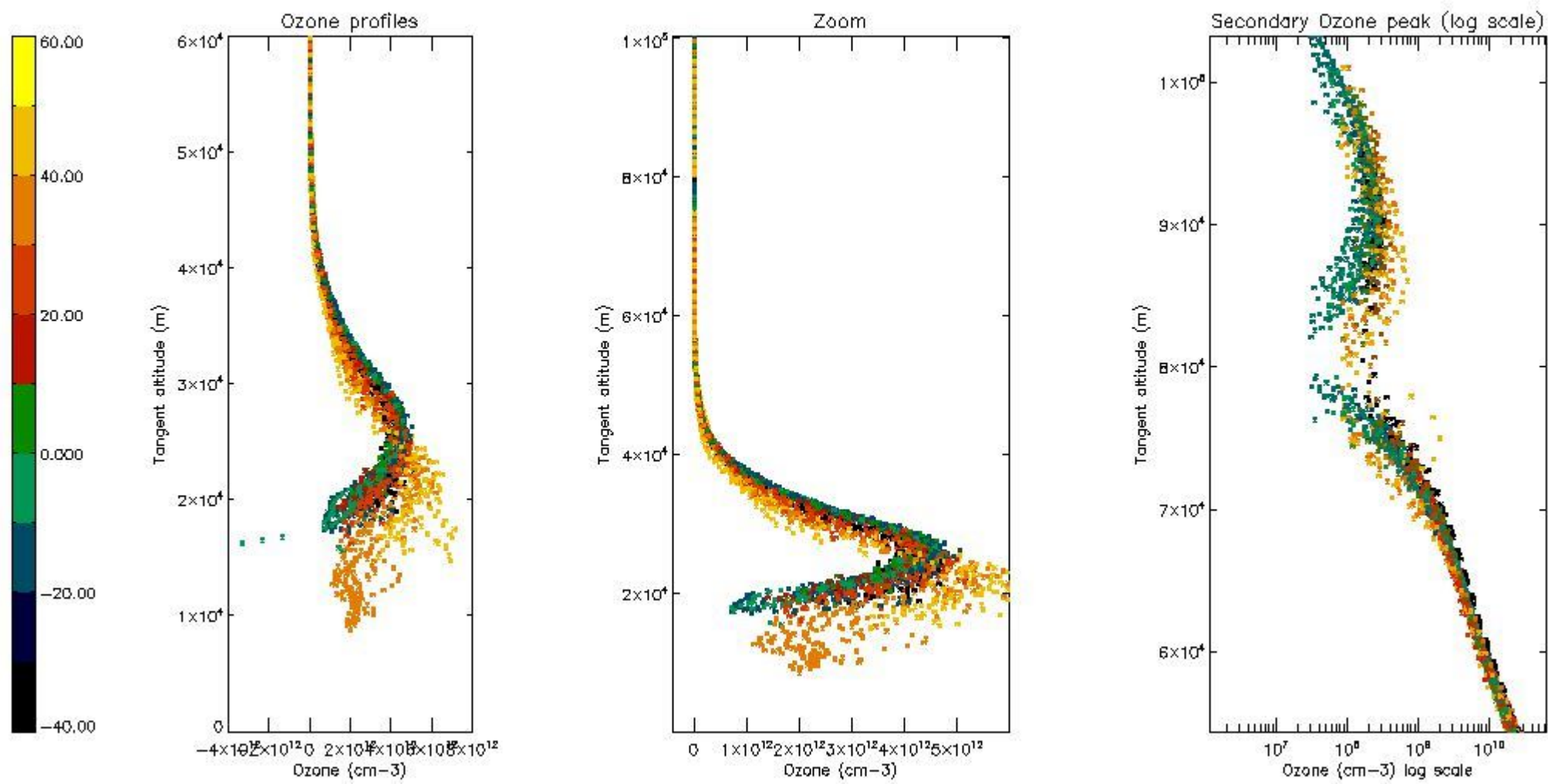
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



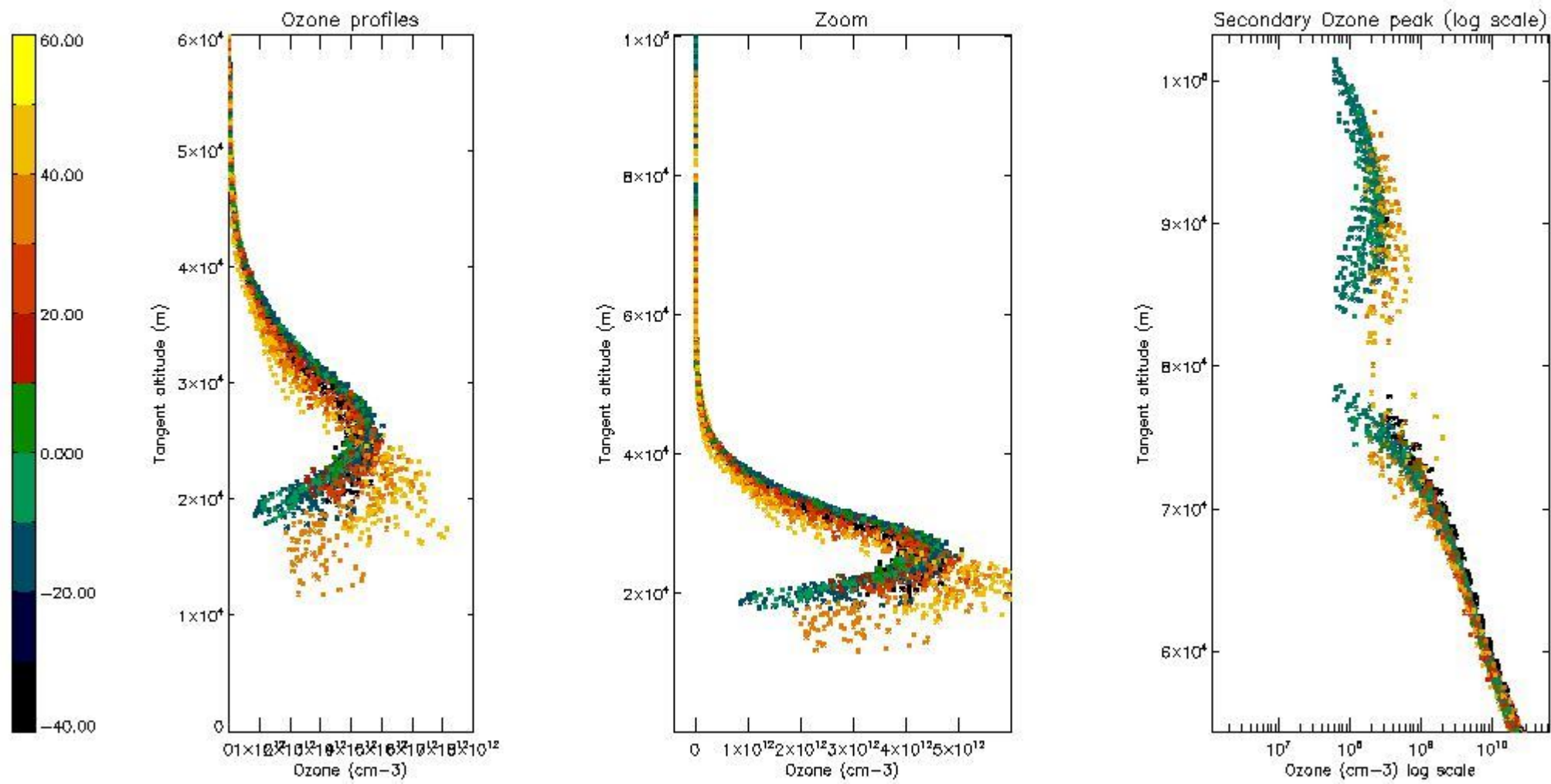
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



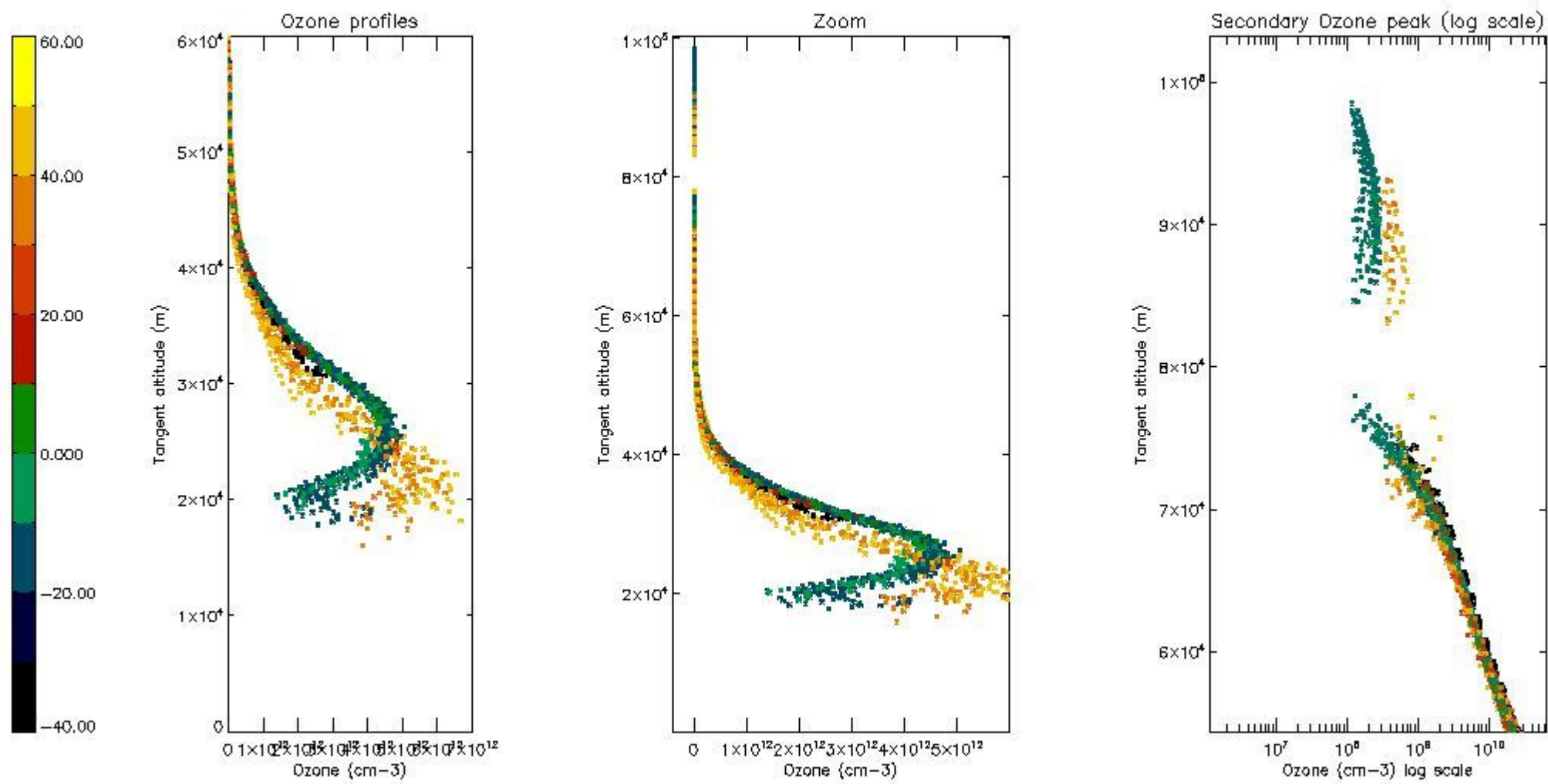
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



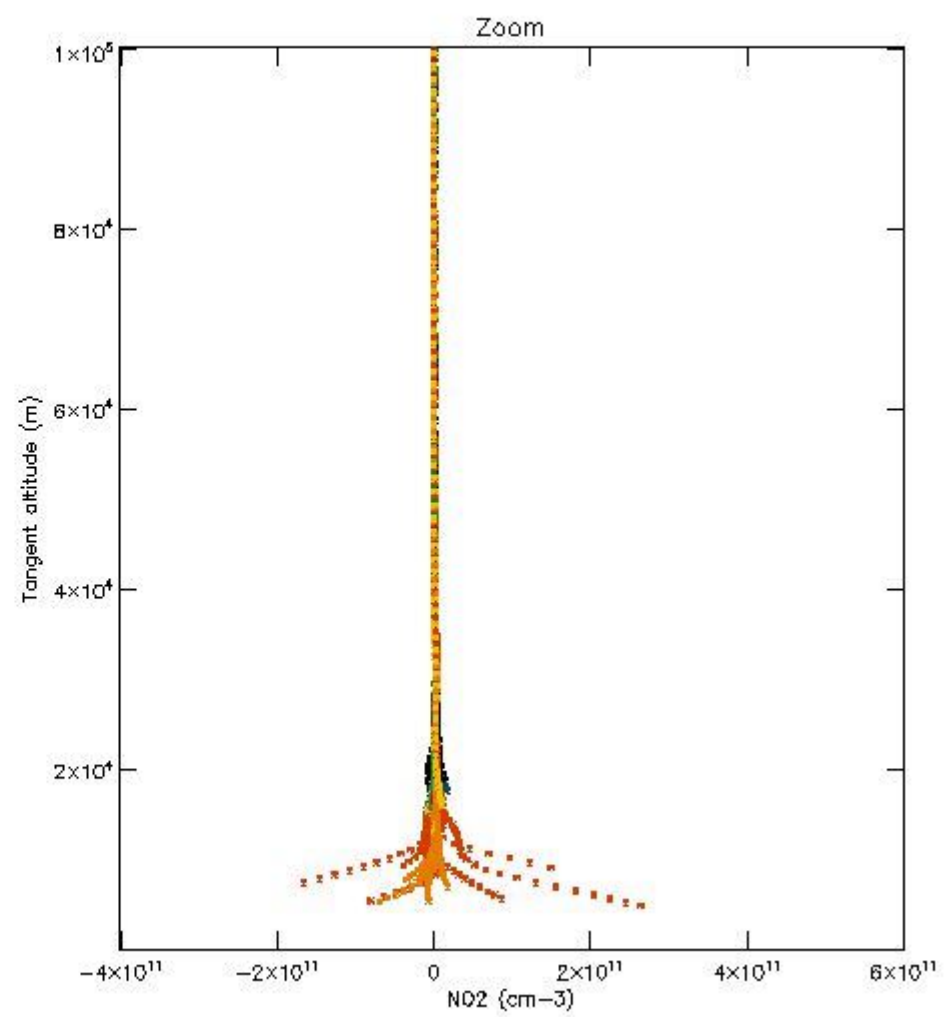
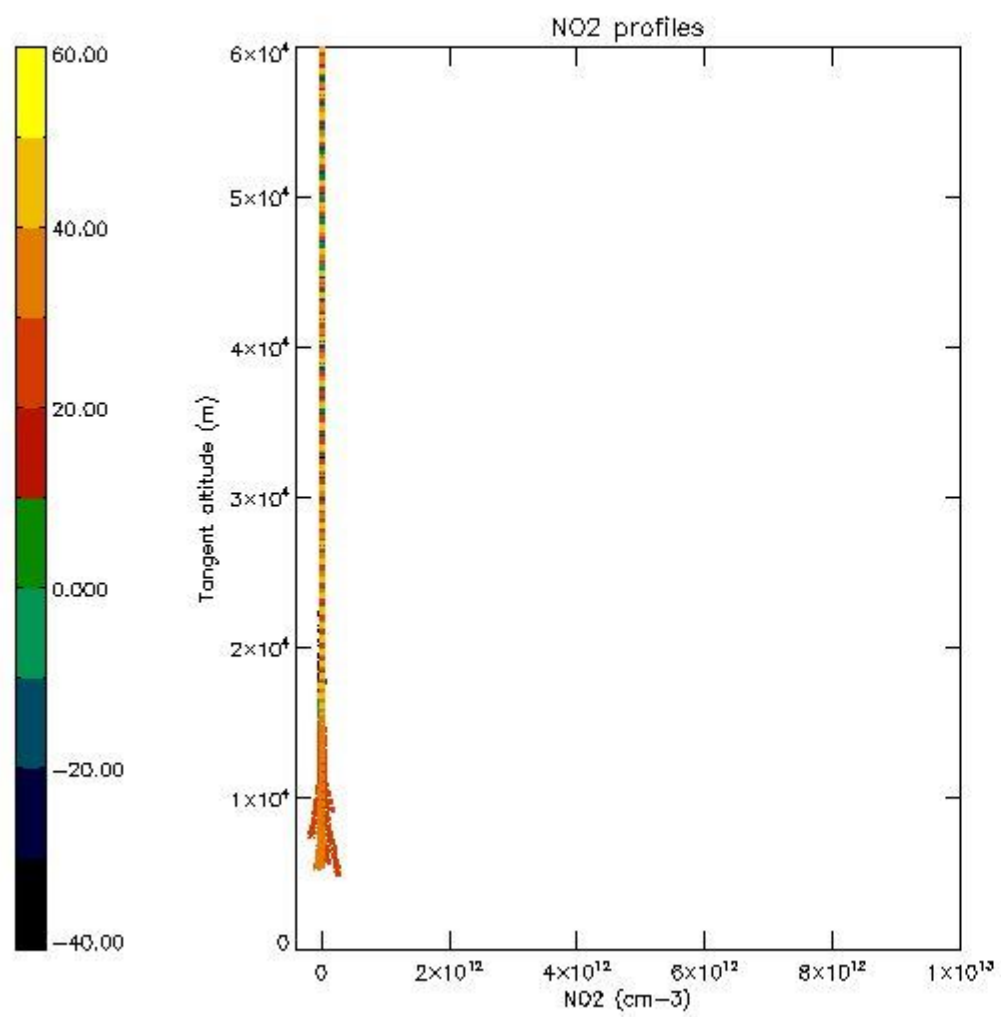
5.5 Plot ozone profiles where $STD < 5\%$ (dark without errors)

The colorbar represents the latitude.



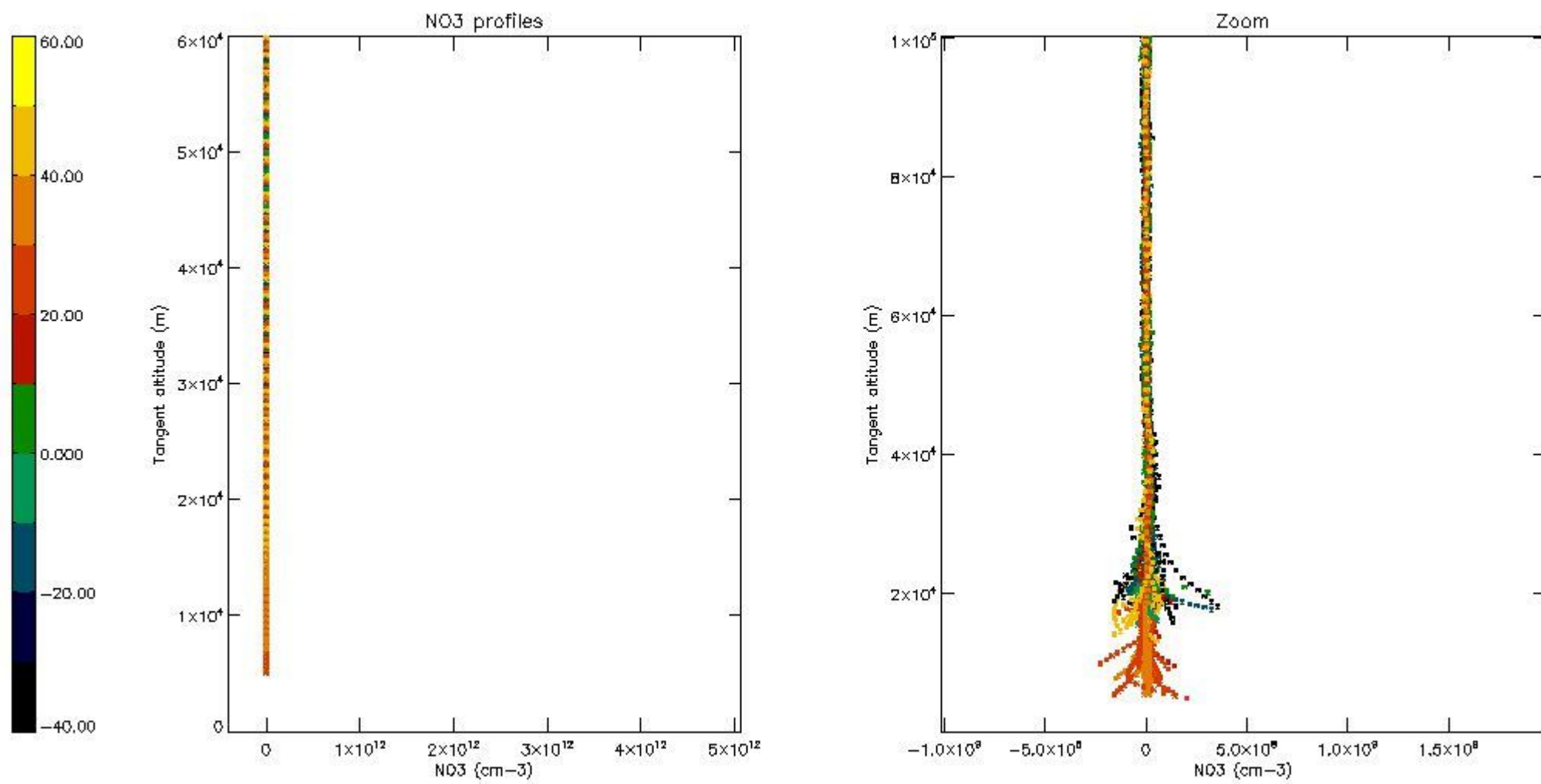
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



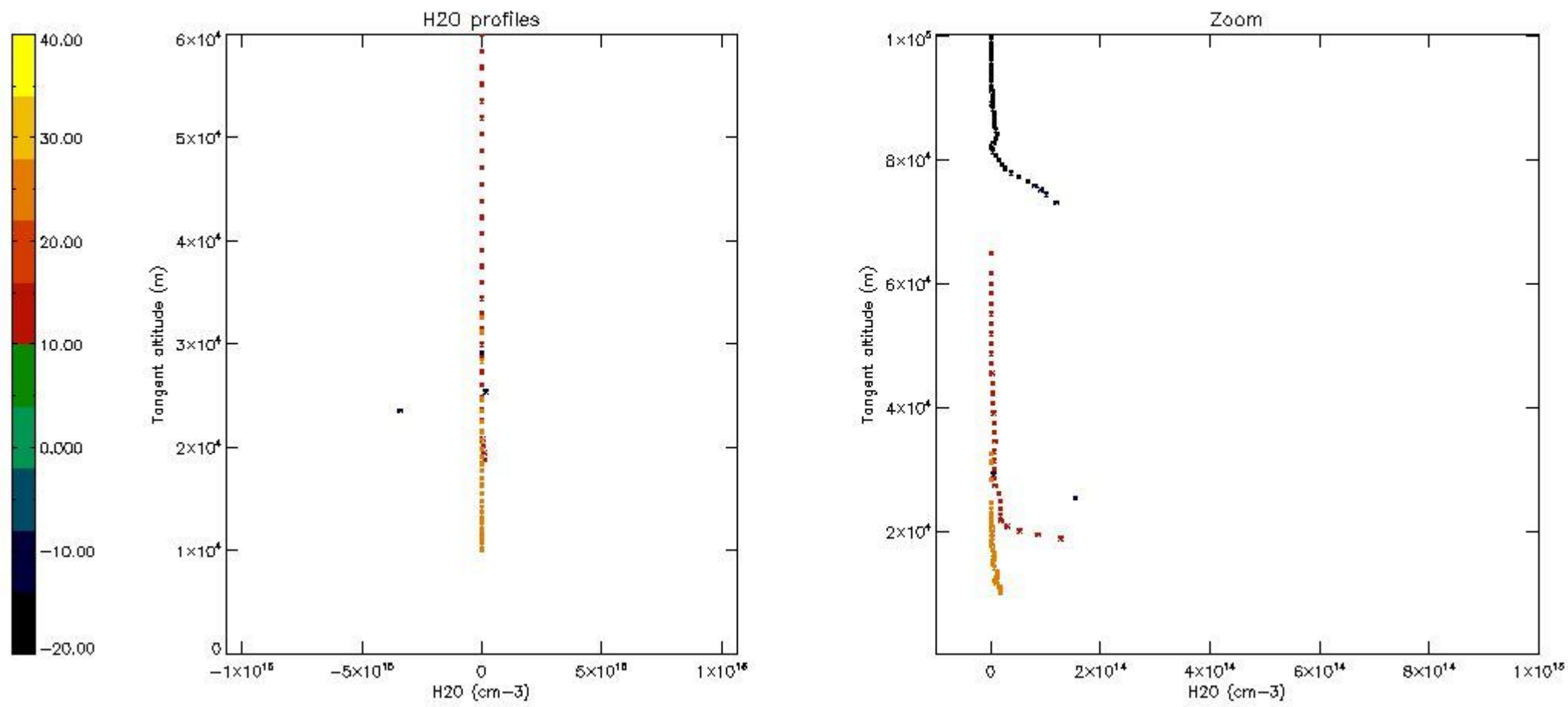
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

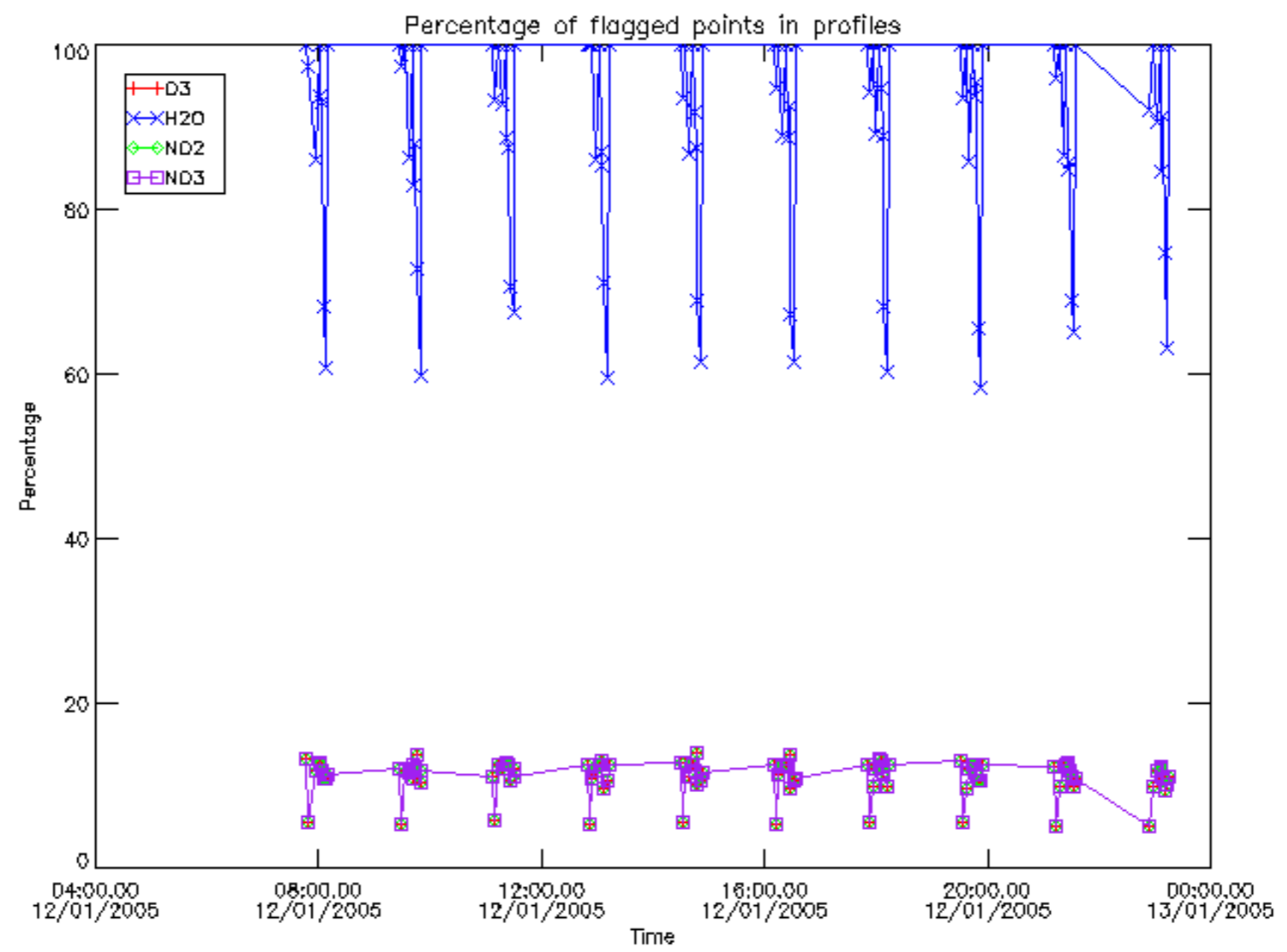
The colorbar represents the latitude.



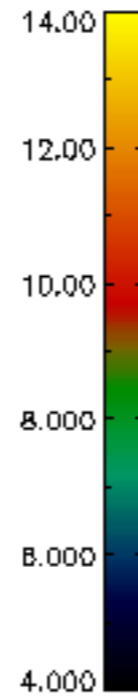
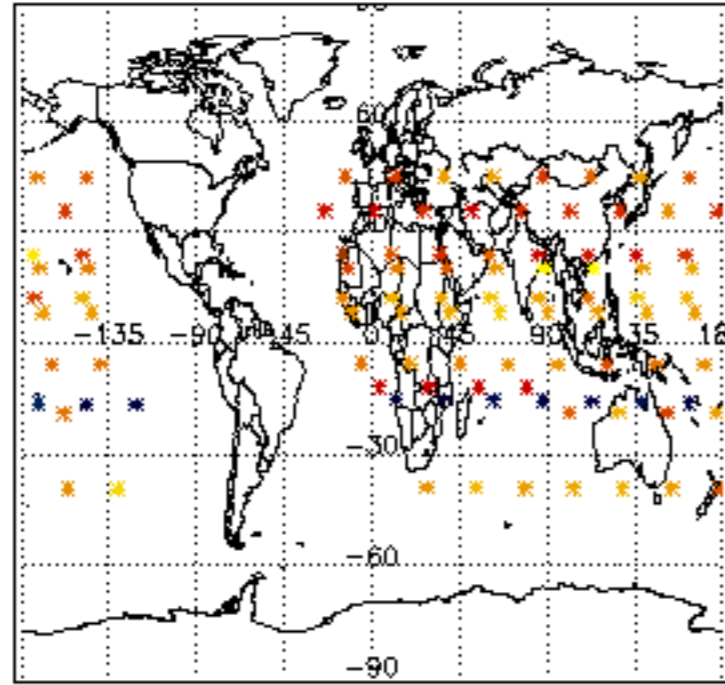
6. Auxiliary Data Files used for the production reported in section 2

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.

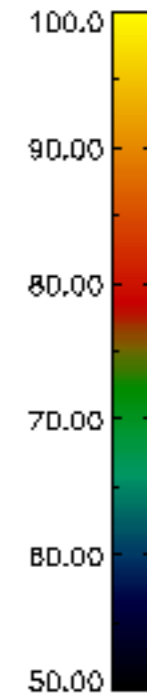
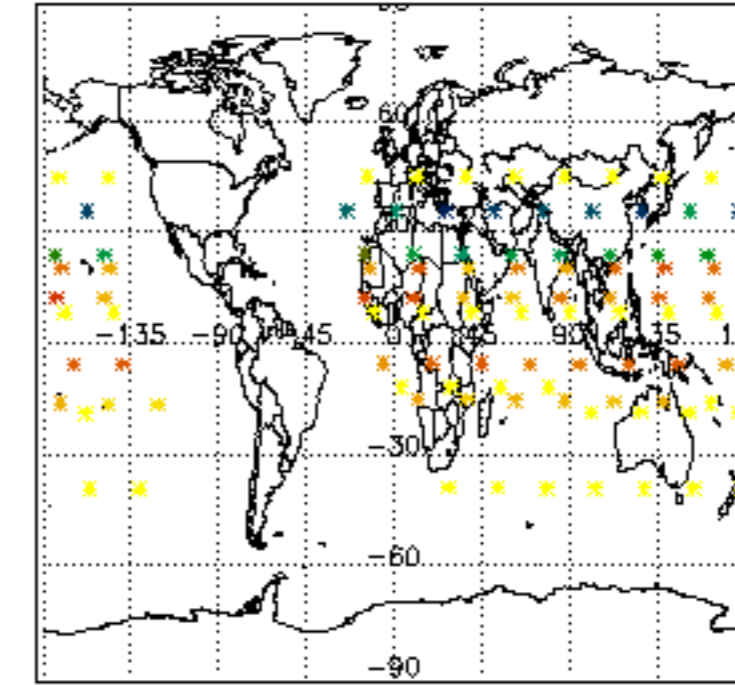
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	12-JAN-2005 07:12:14
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	12-JAN-2005 07:12:14
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	12-JAN-2005 07:12:14



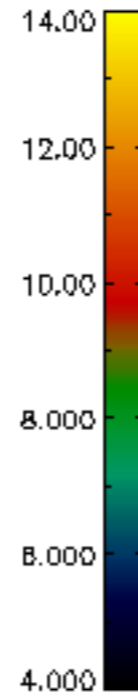
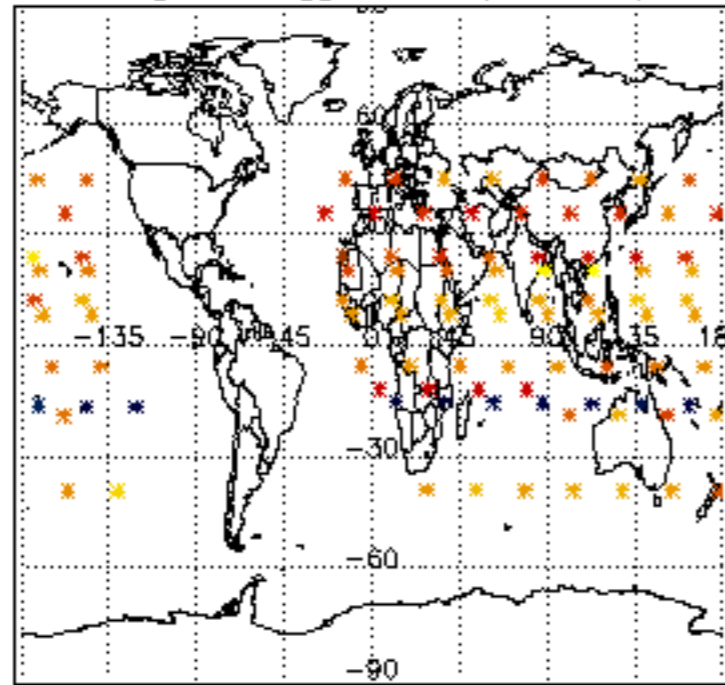
Percentage of flagged data per D3 profile



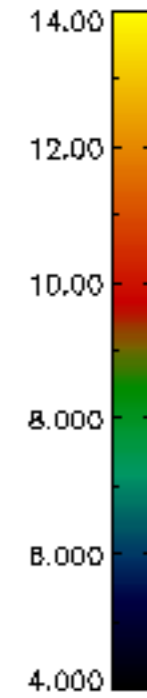
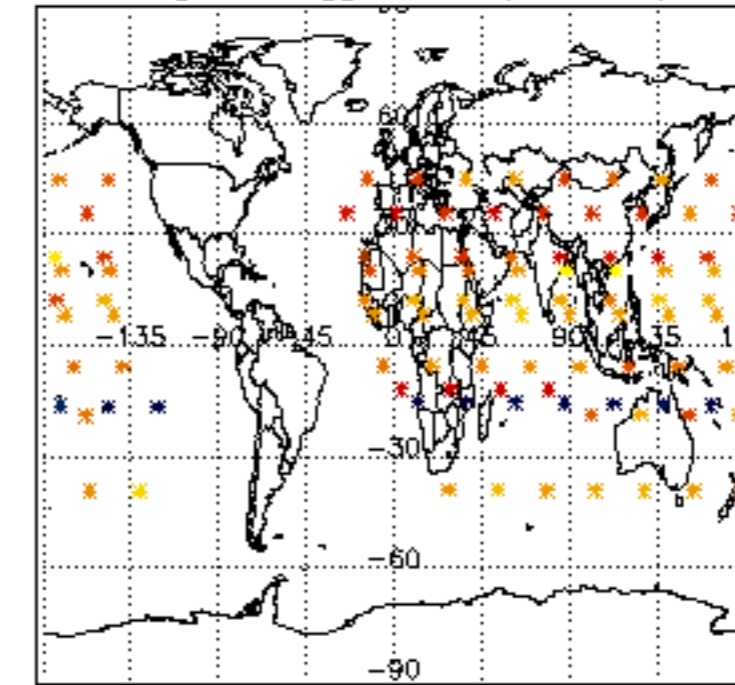
Percentage of flagged data per H2O profile

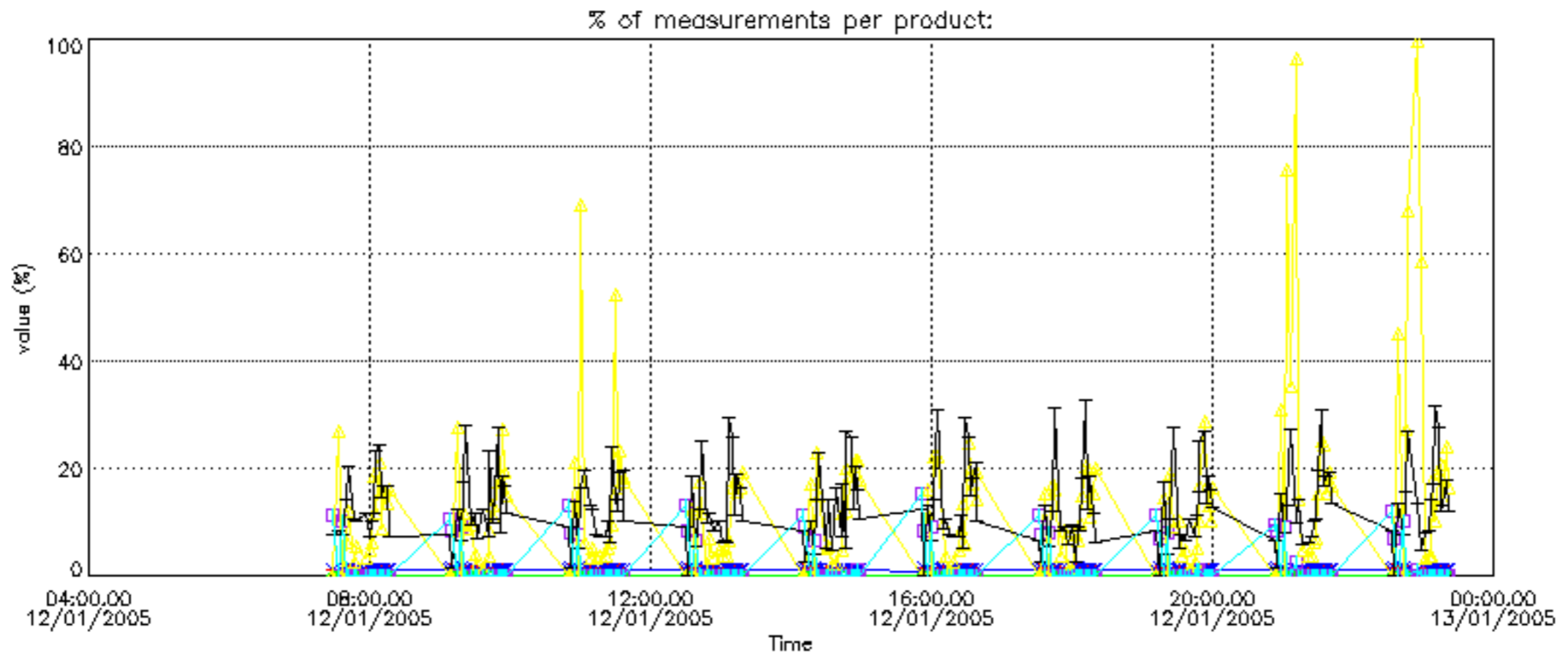


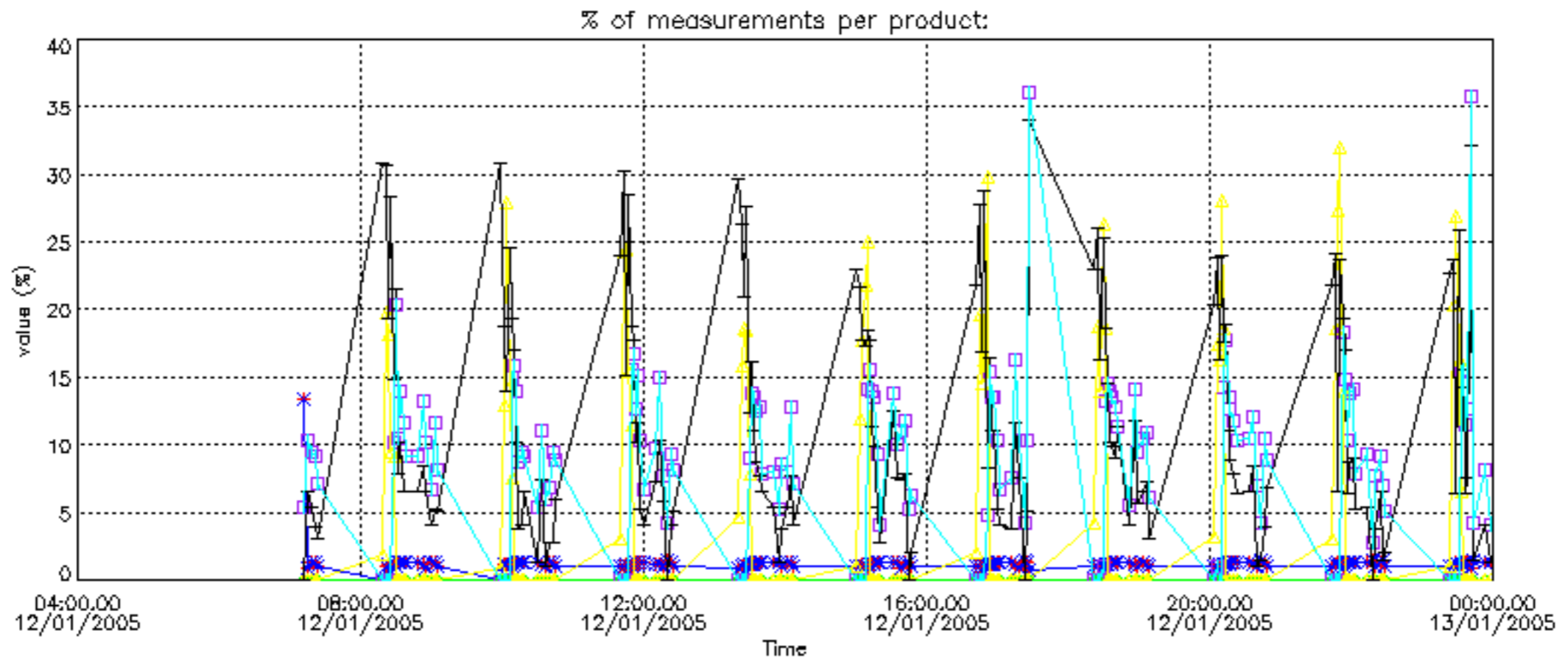
Percentage of flagged data per NO2 profile



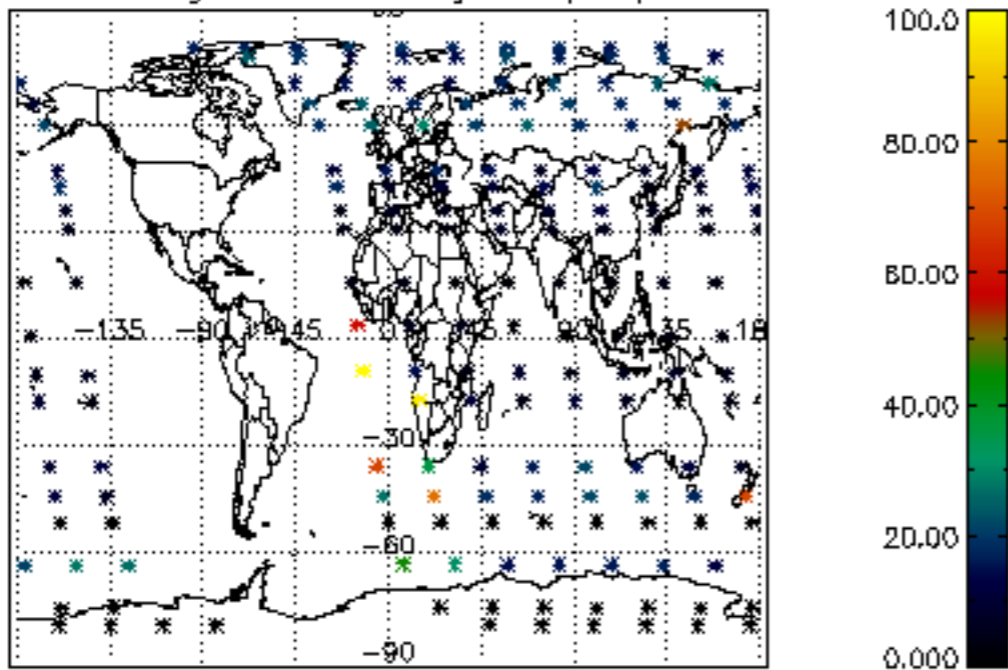
Percentage of flagged data per NO3 profile



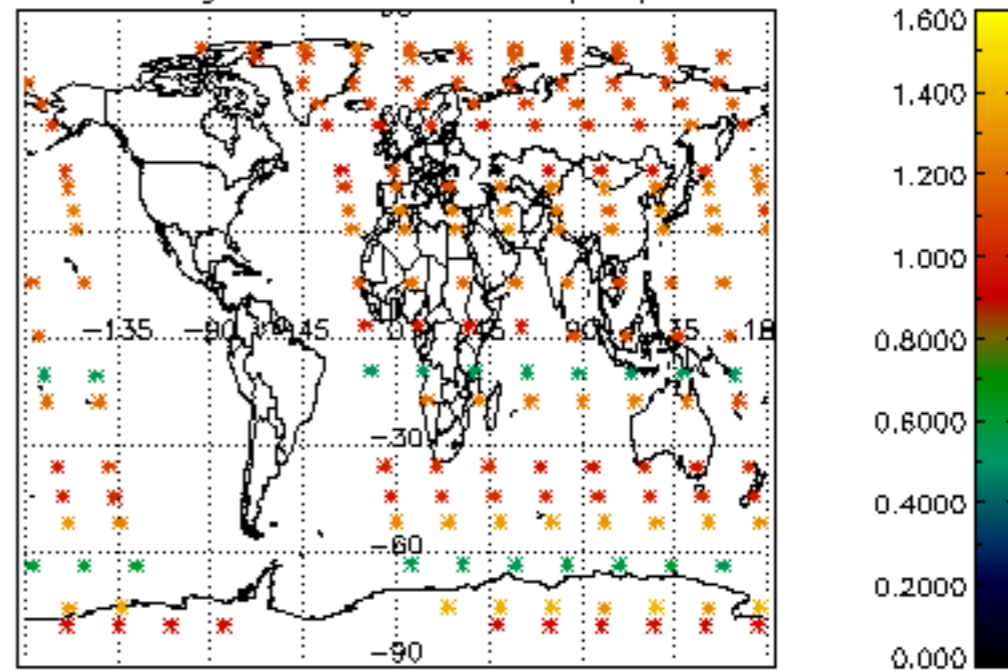




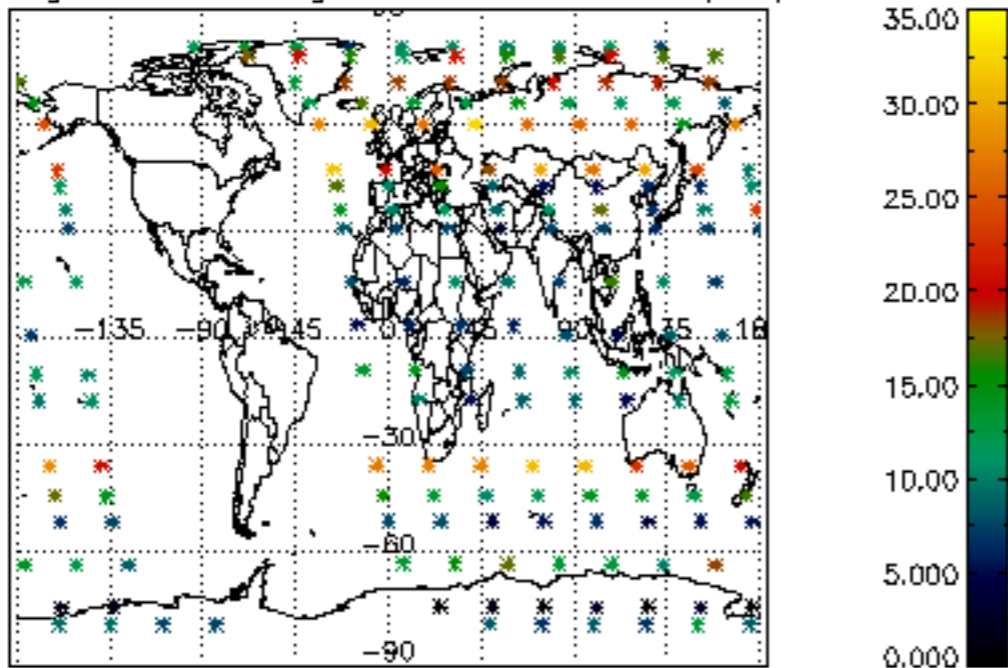
Percentage of cosmic ray hits per profile



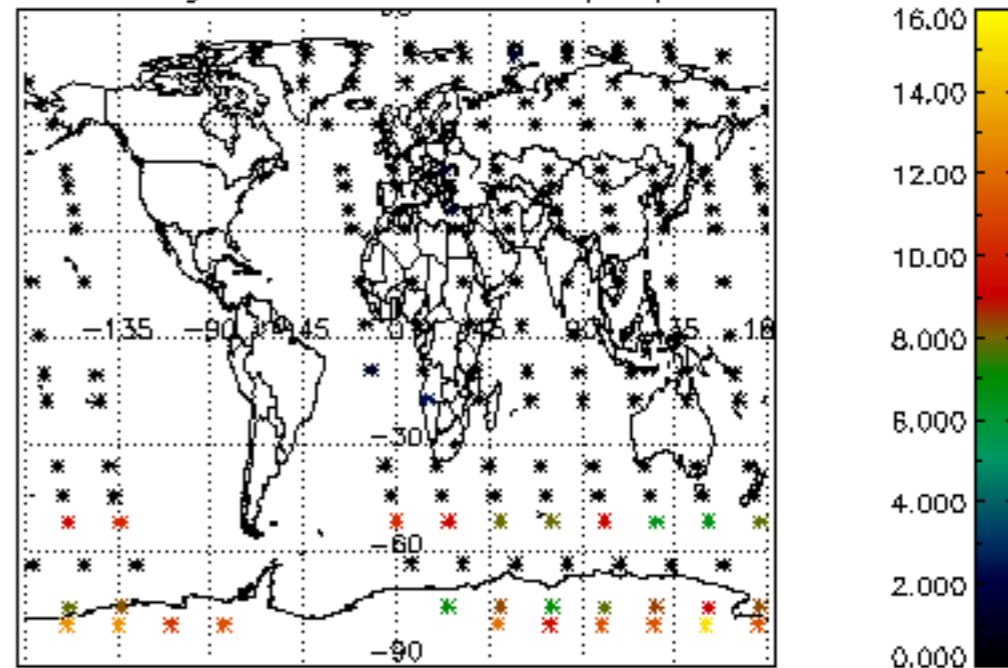
Percentage of datation errors per profile



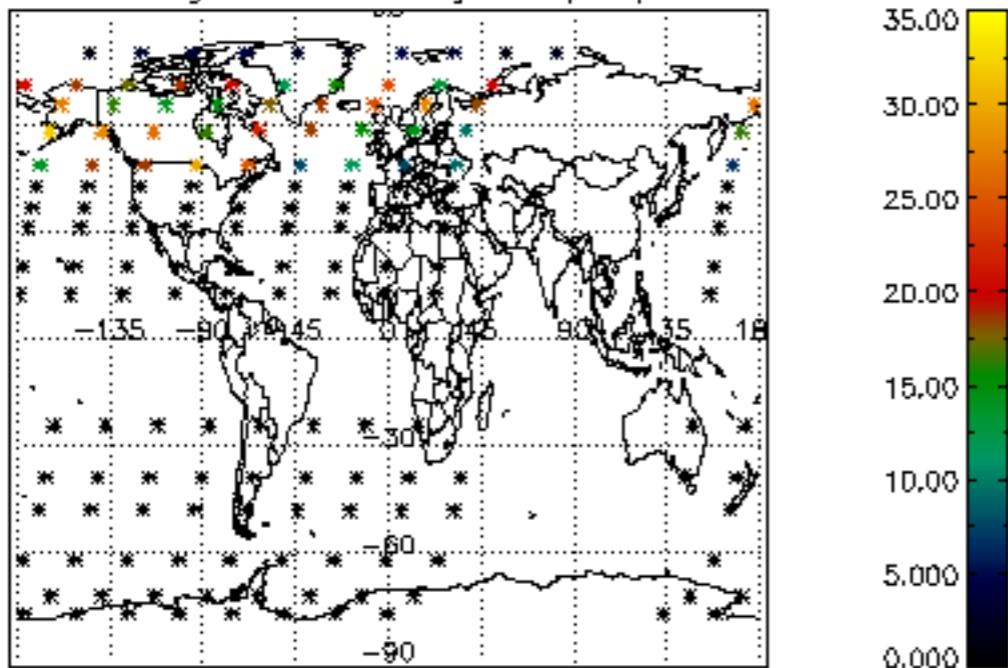
Percentage of star falling outside central band per profile



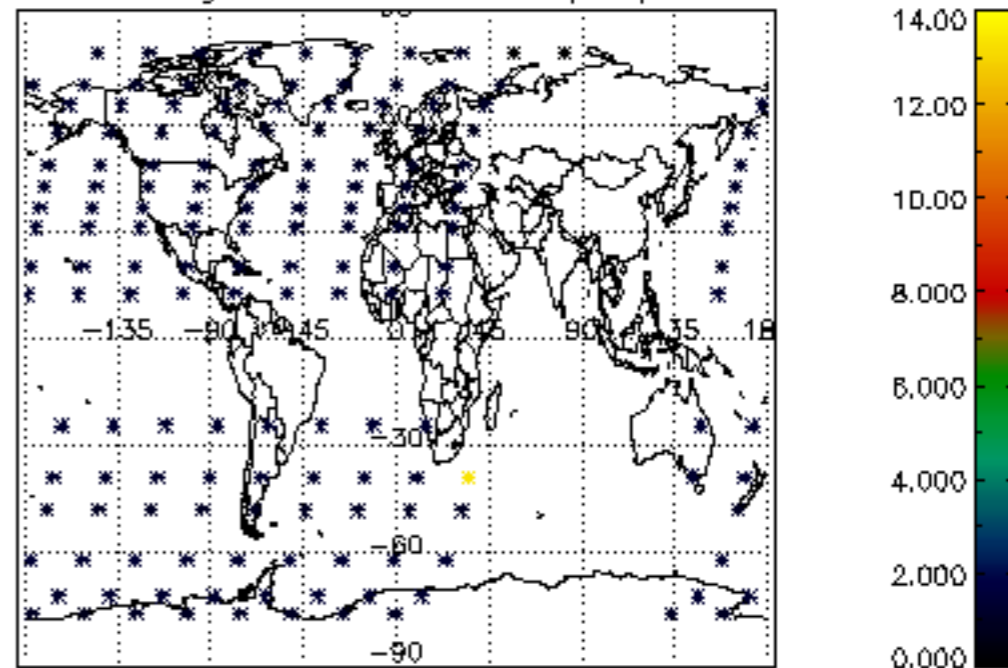
Percentage of saturation errors per profile



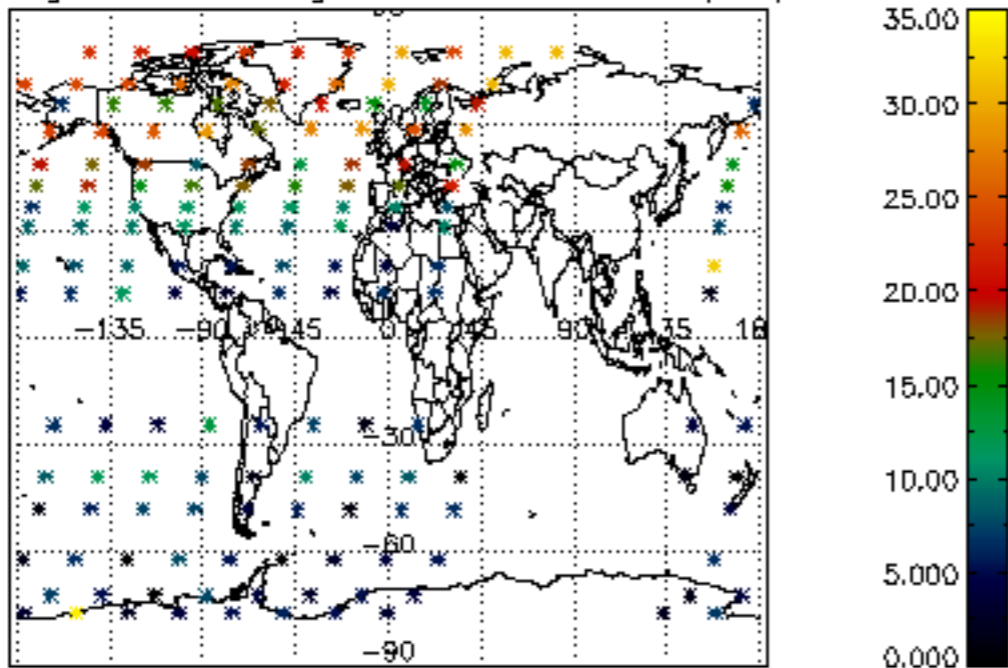
Percentage of cosmic ray hits per profile



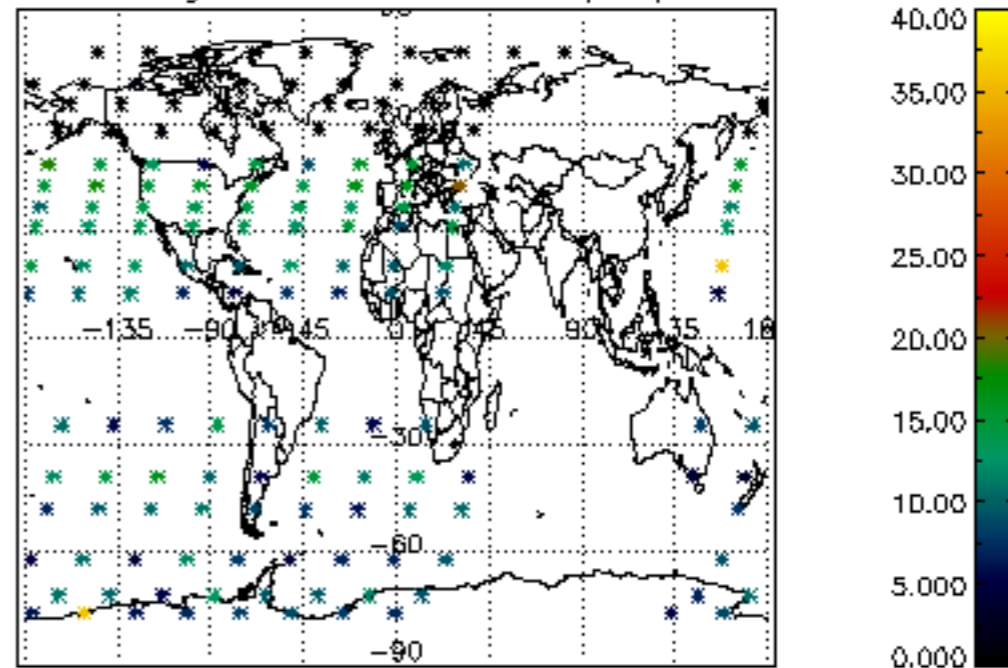
Percentage of datation errors per profile

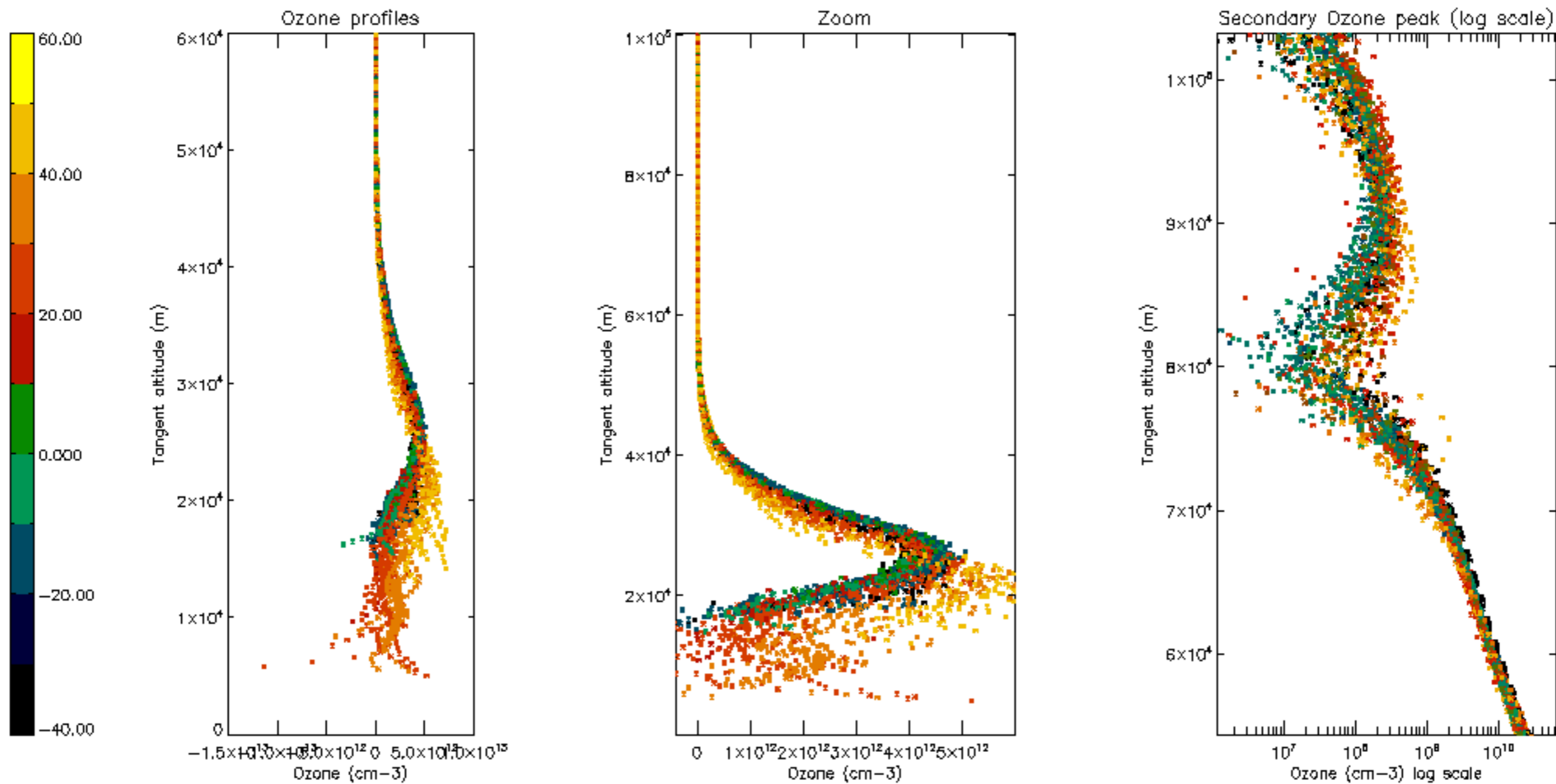


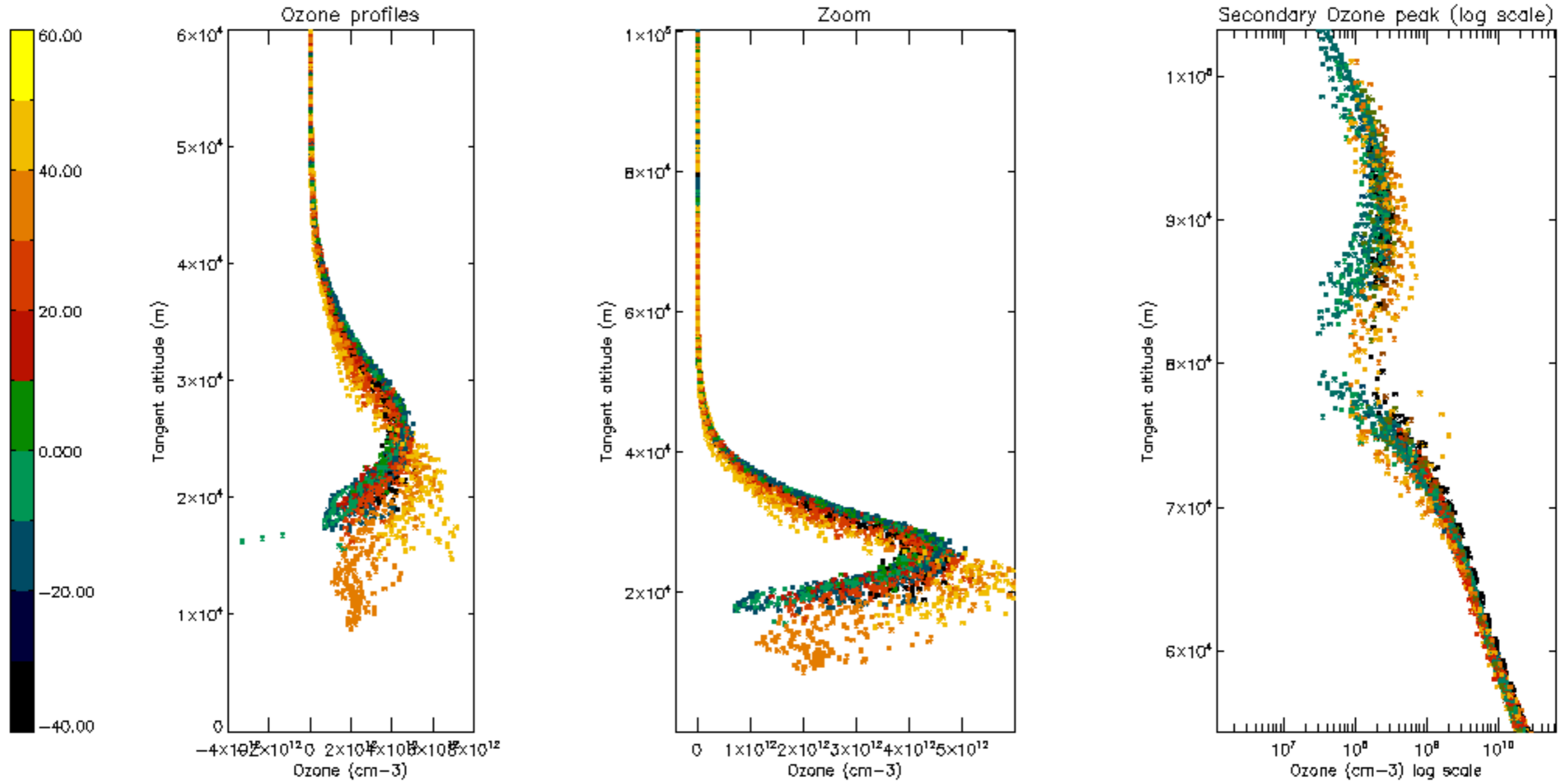
Percentage of star falling outside central band per profile

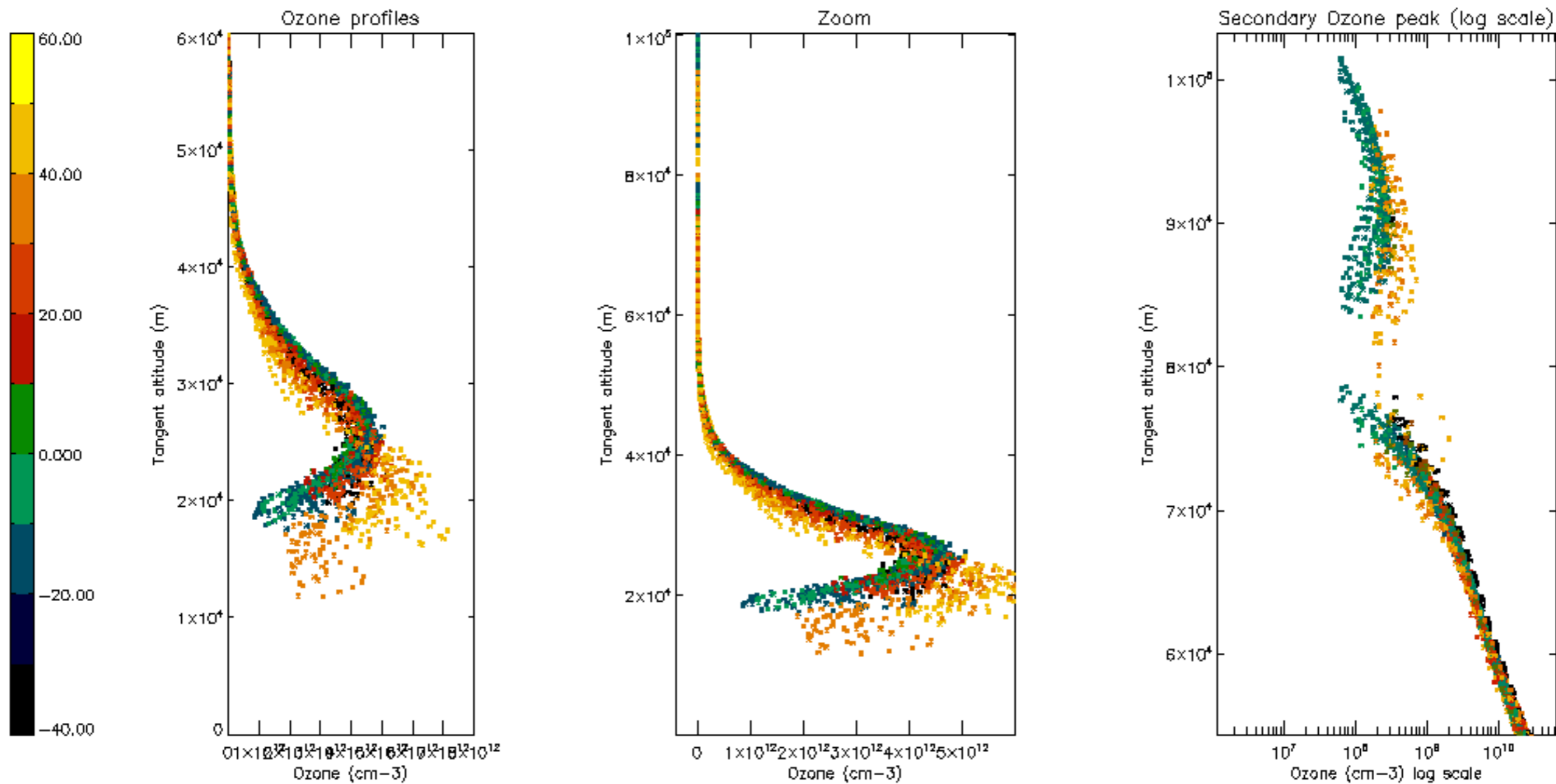


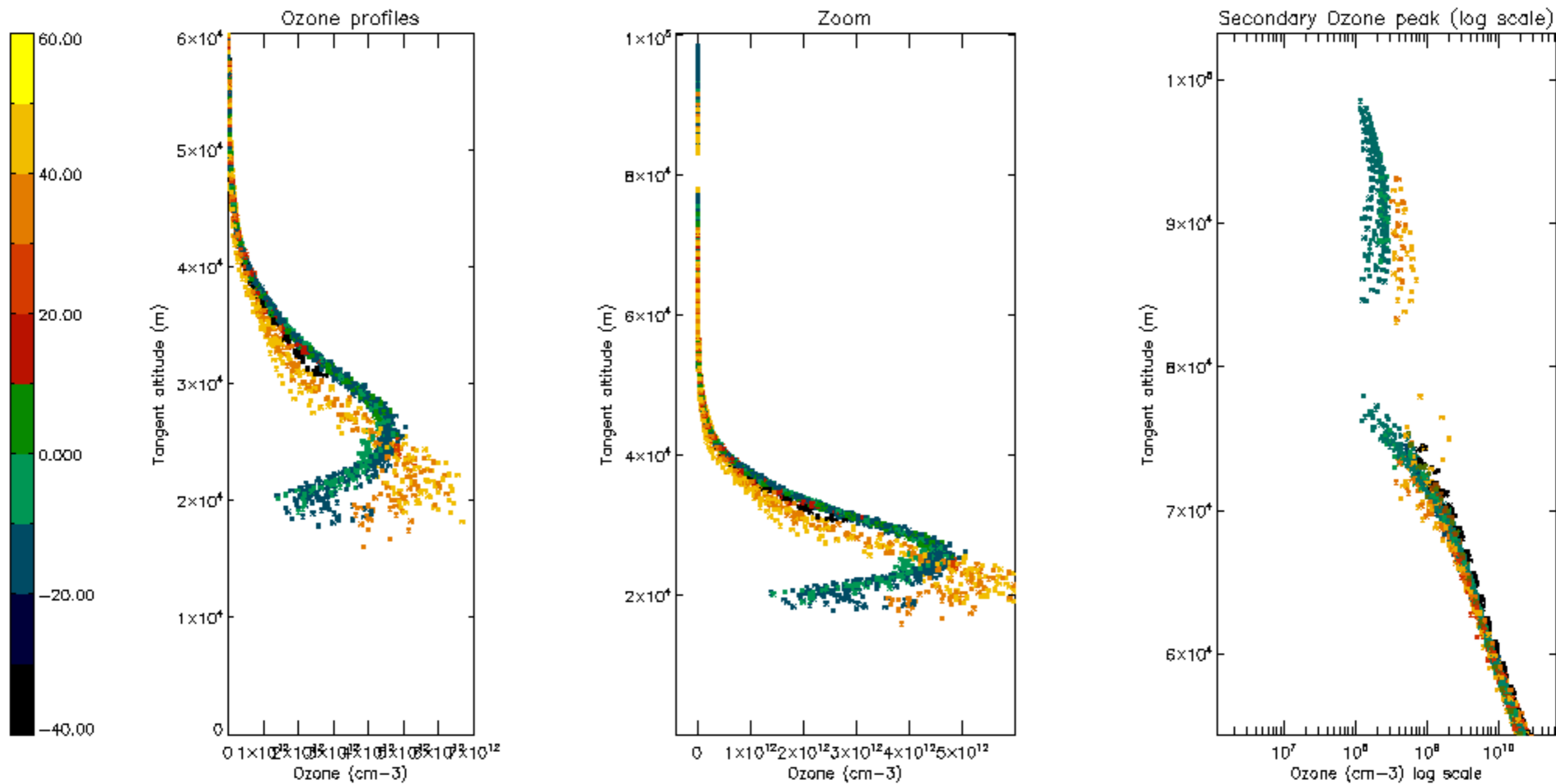
Percentage of saturation errors per profile

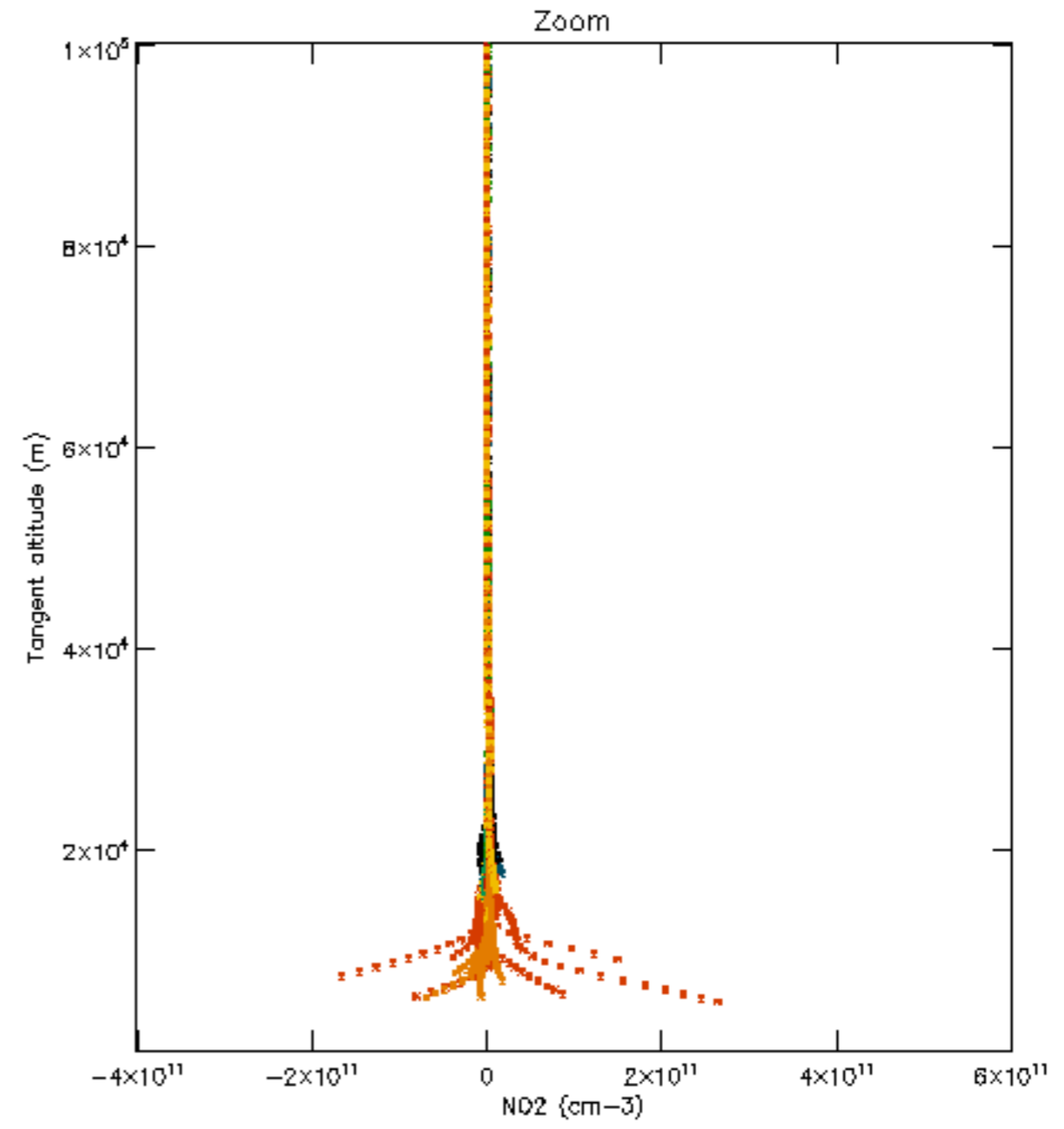
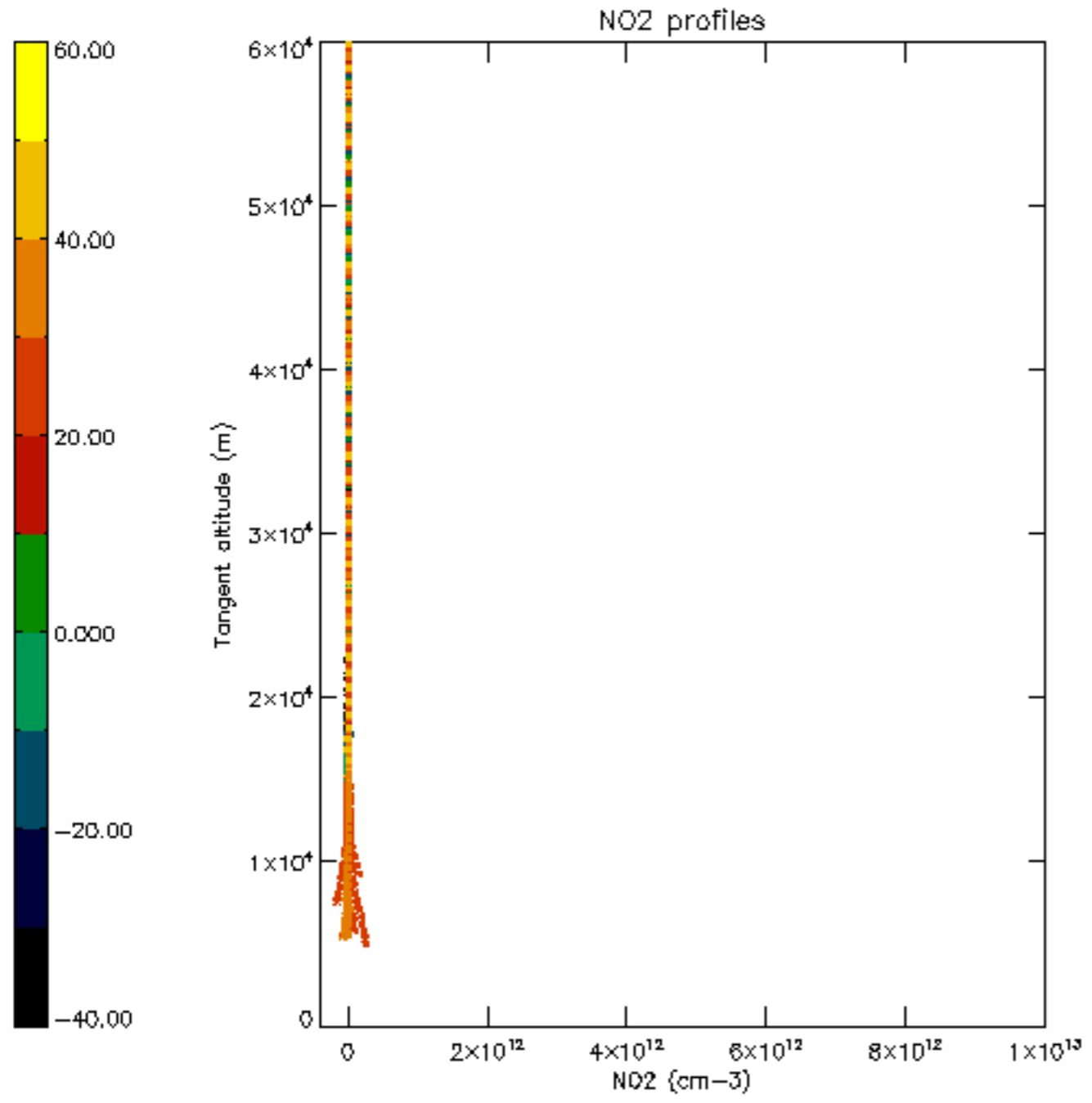


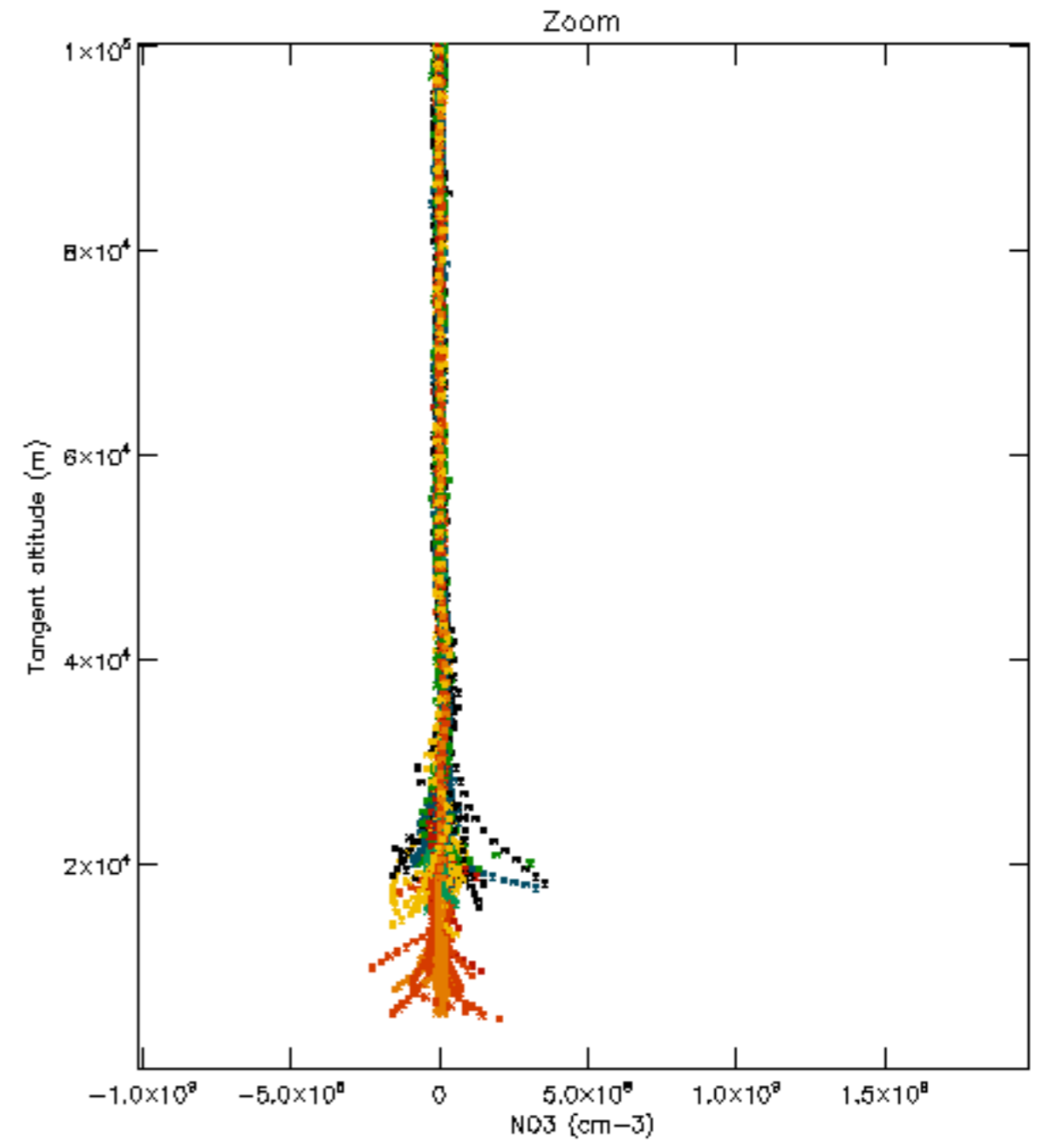
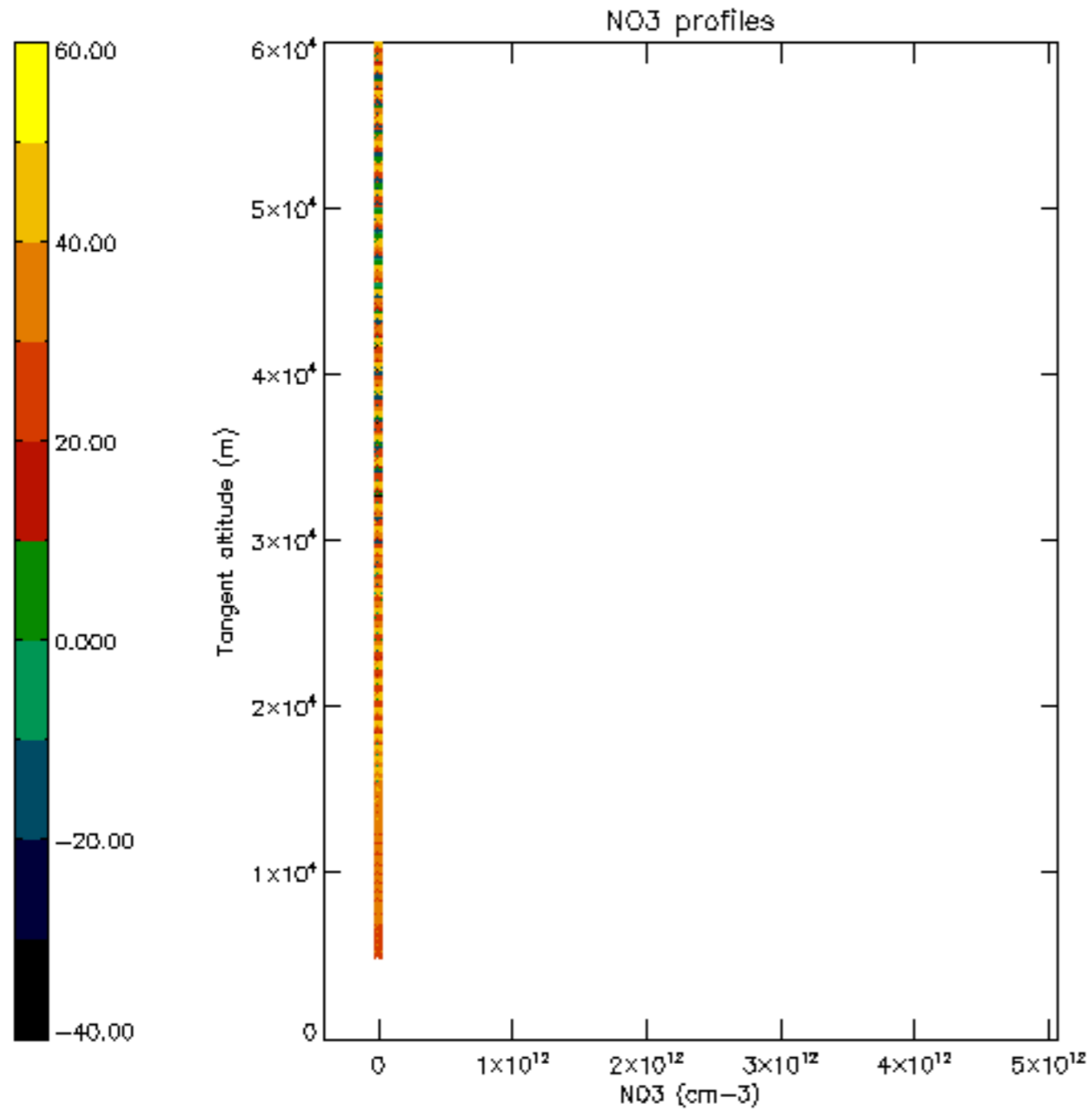


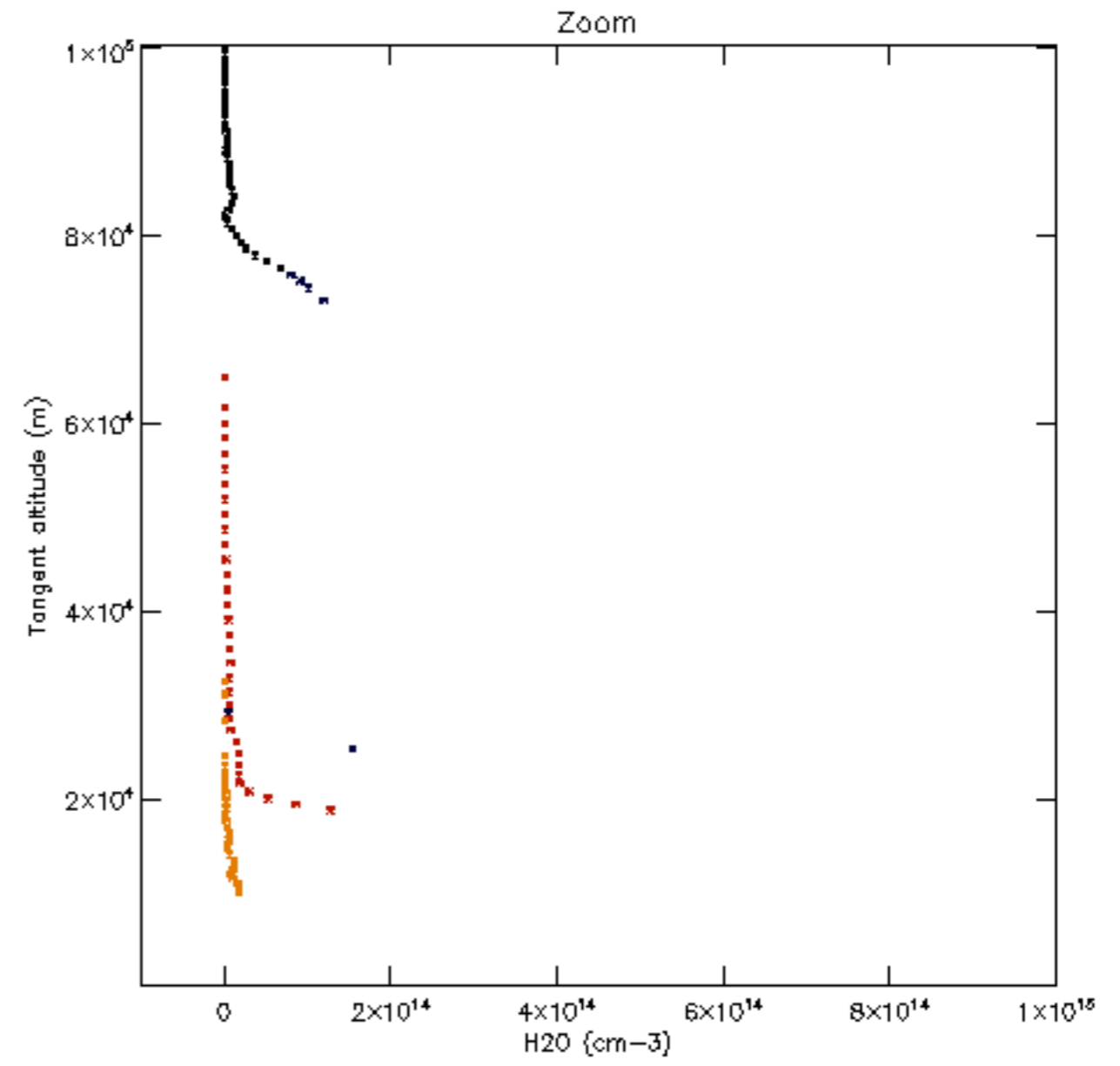
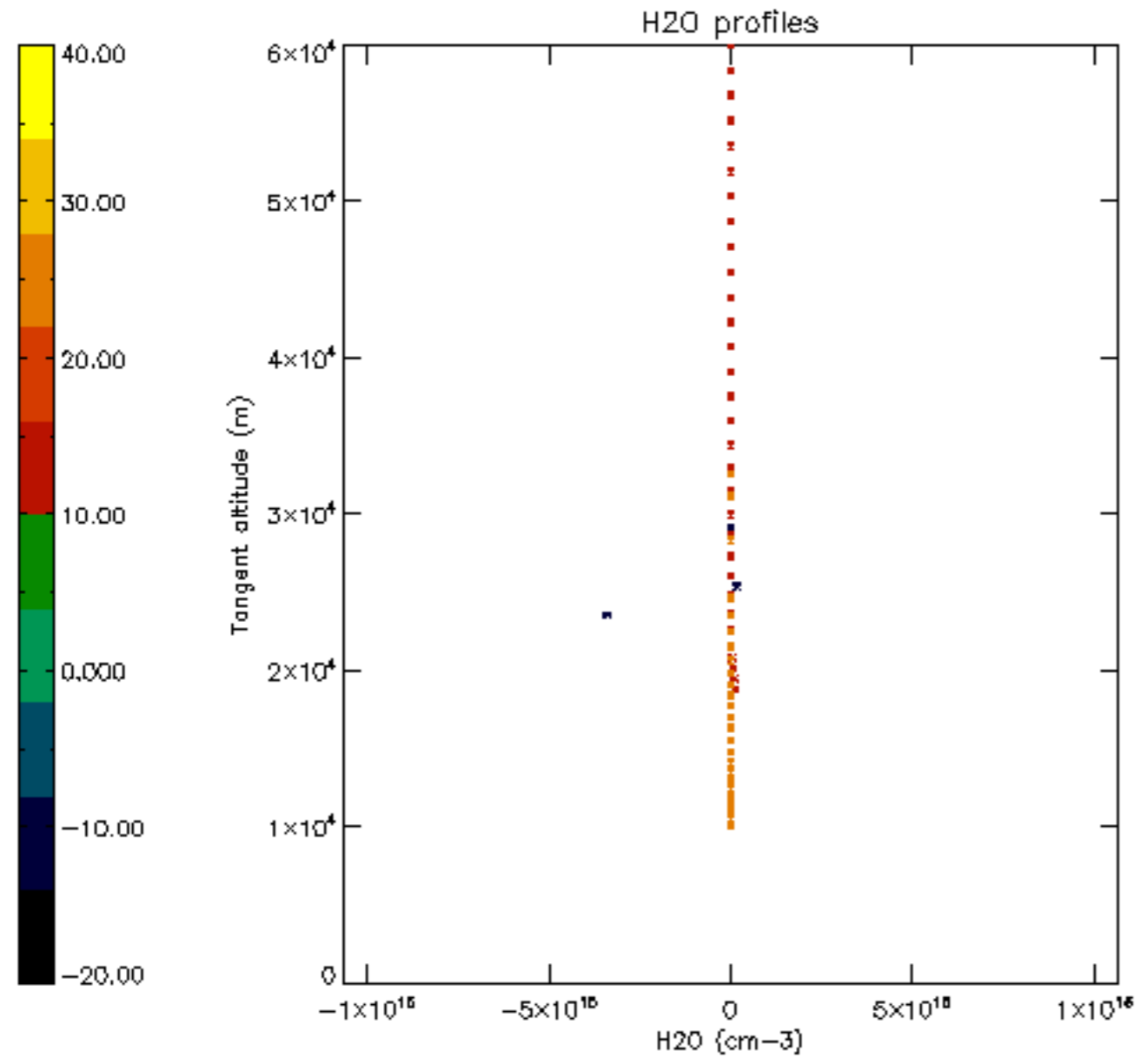


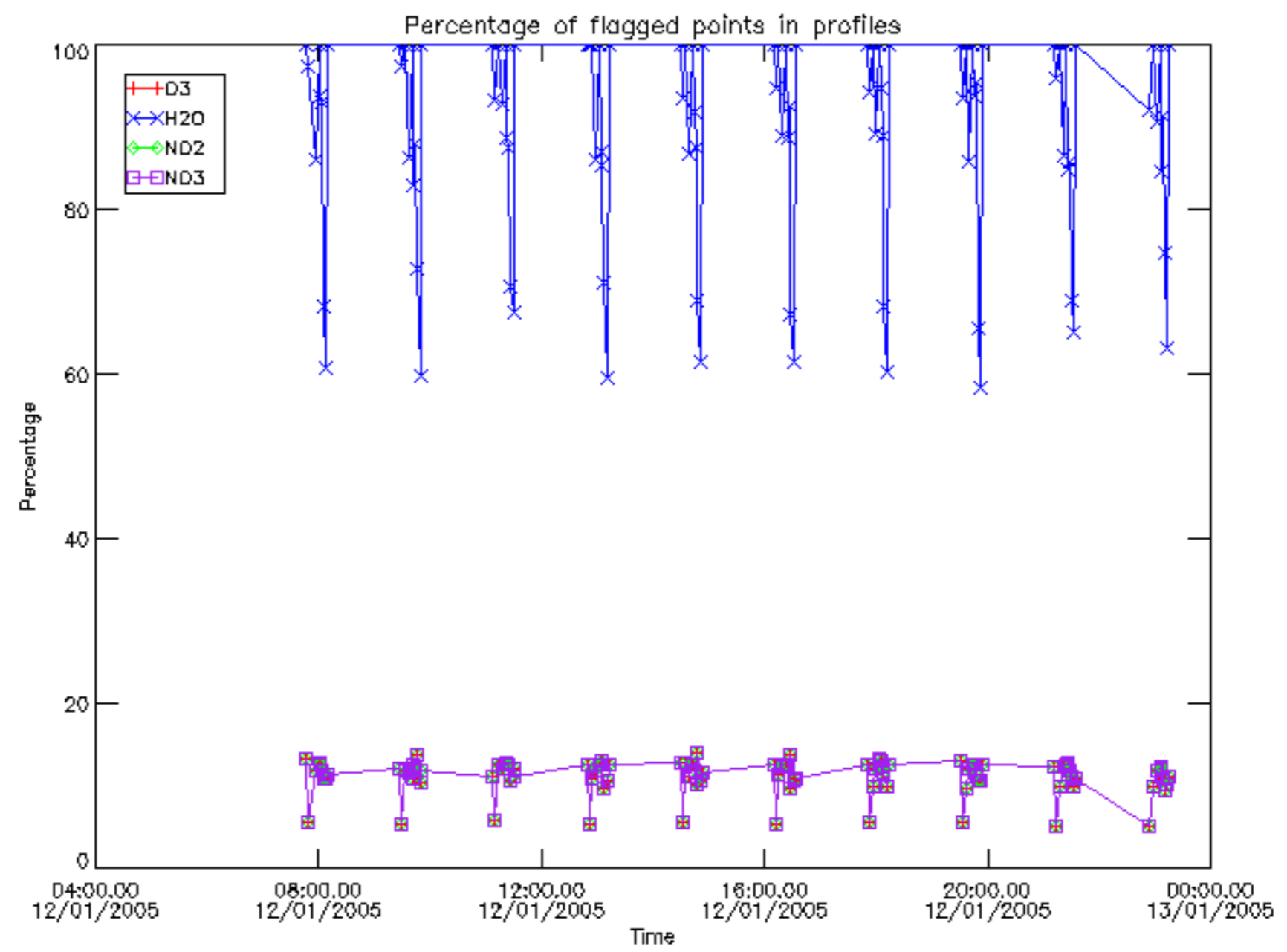




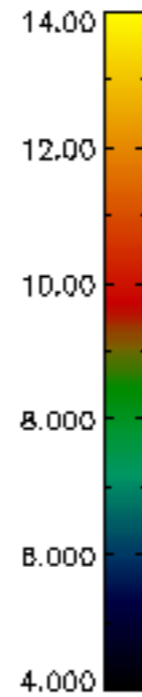
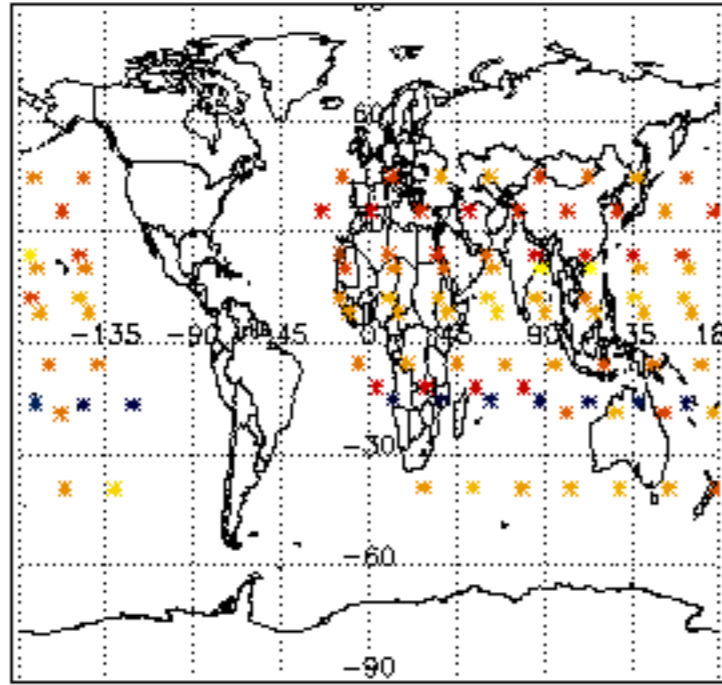




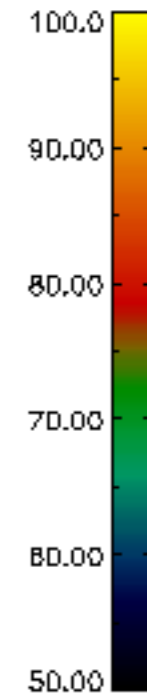
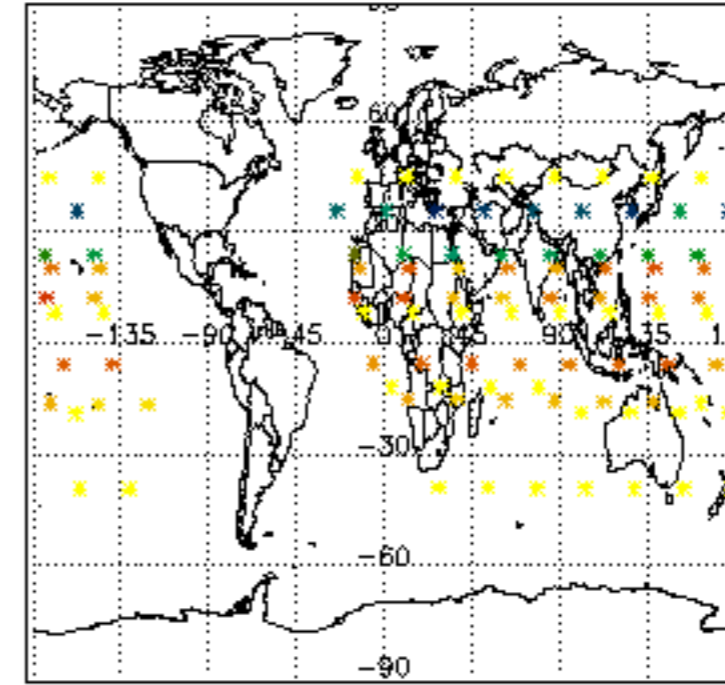




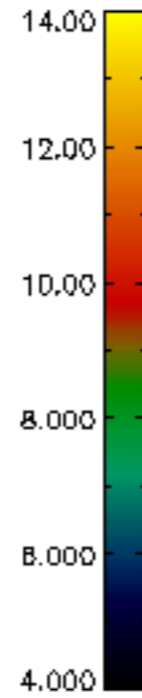
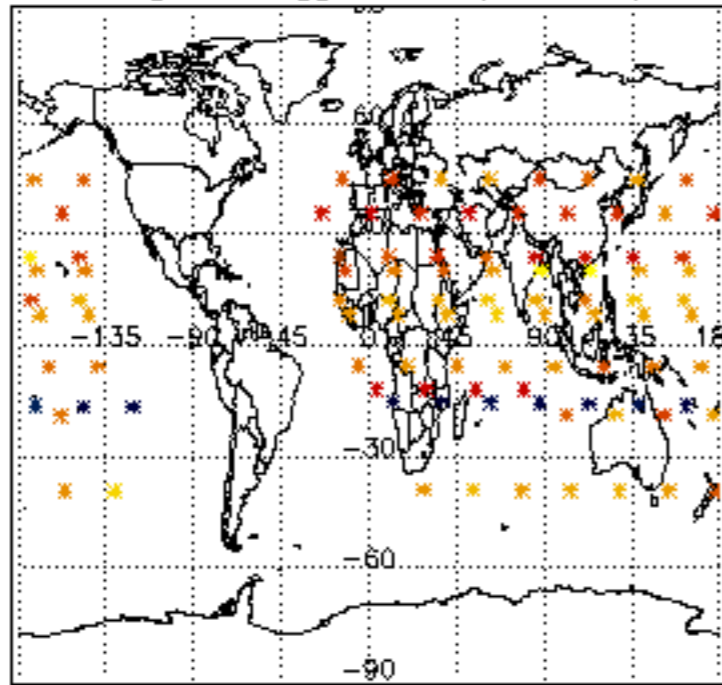
Percentage of flagged data per D3 profile



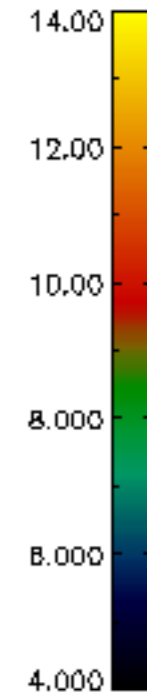
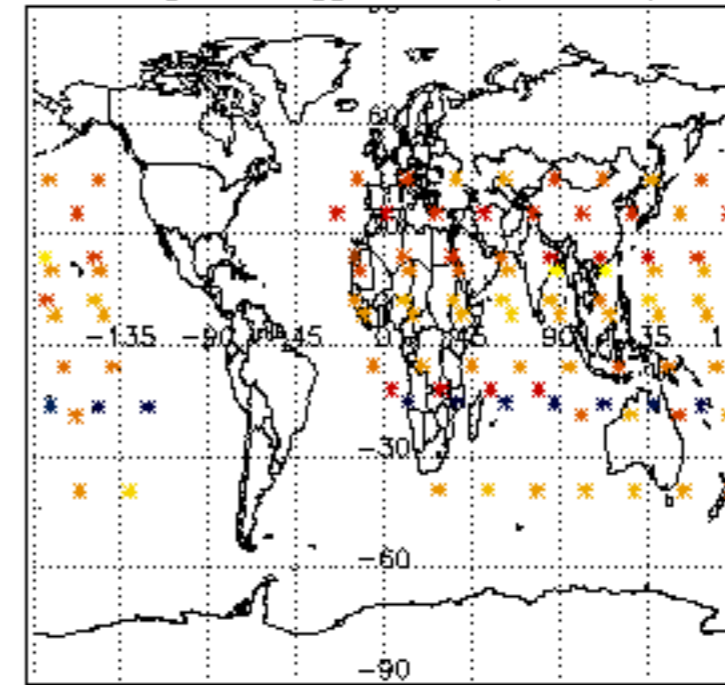
Percentage of flagged data per H2O profile

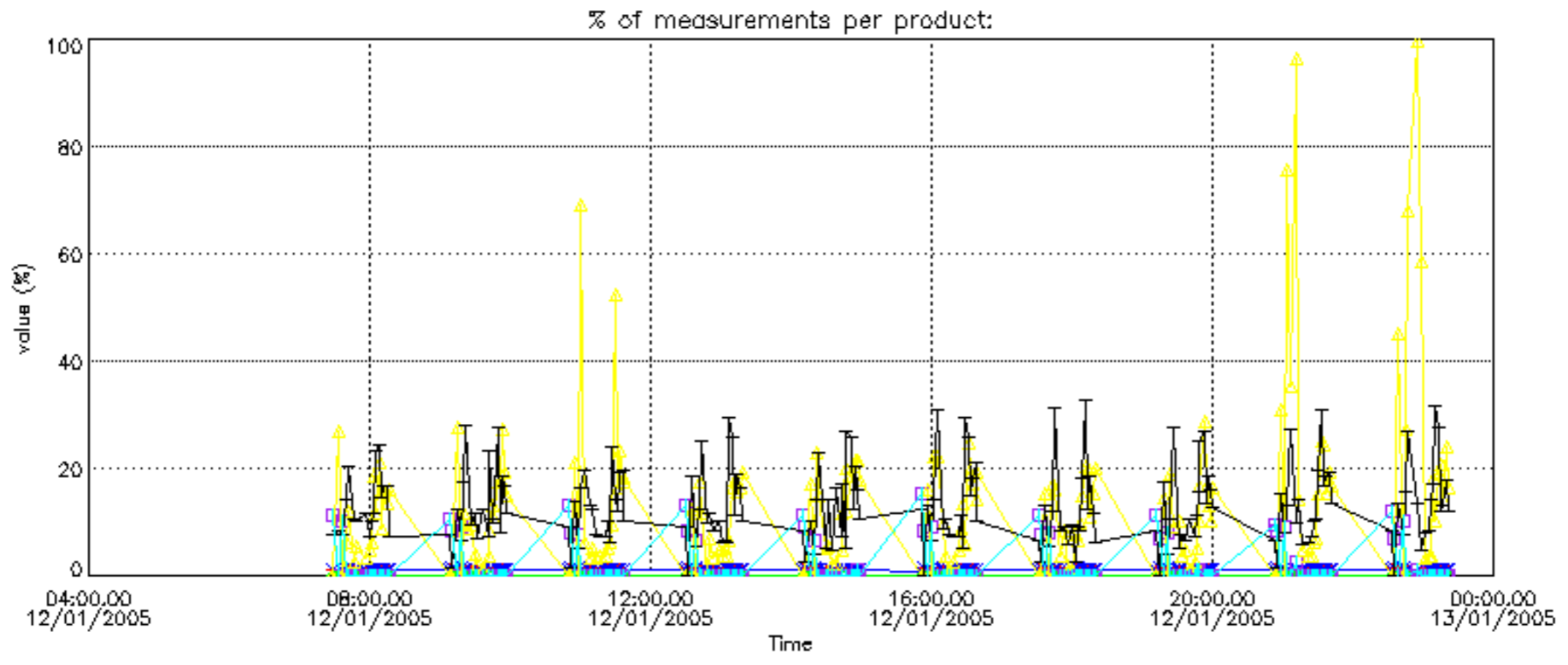


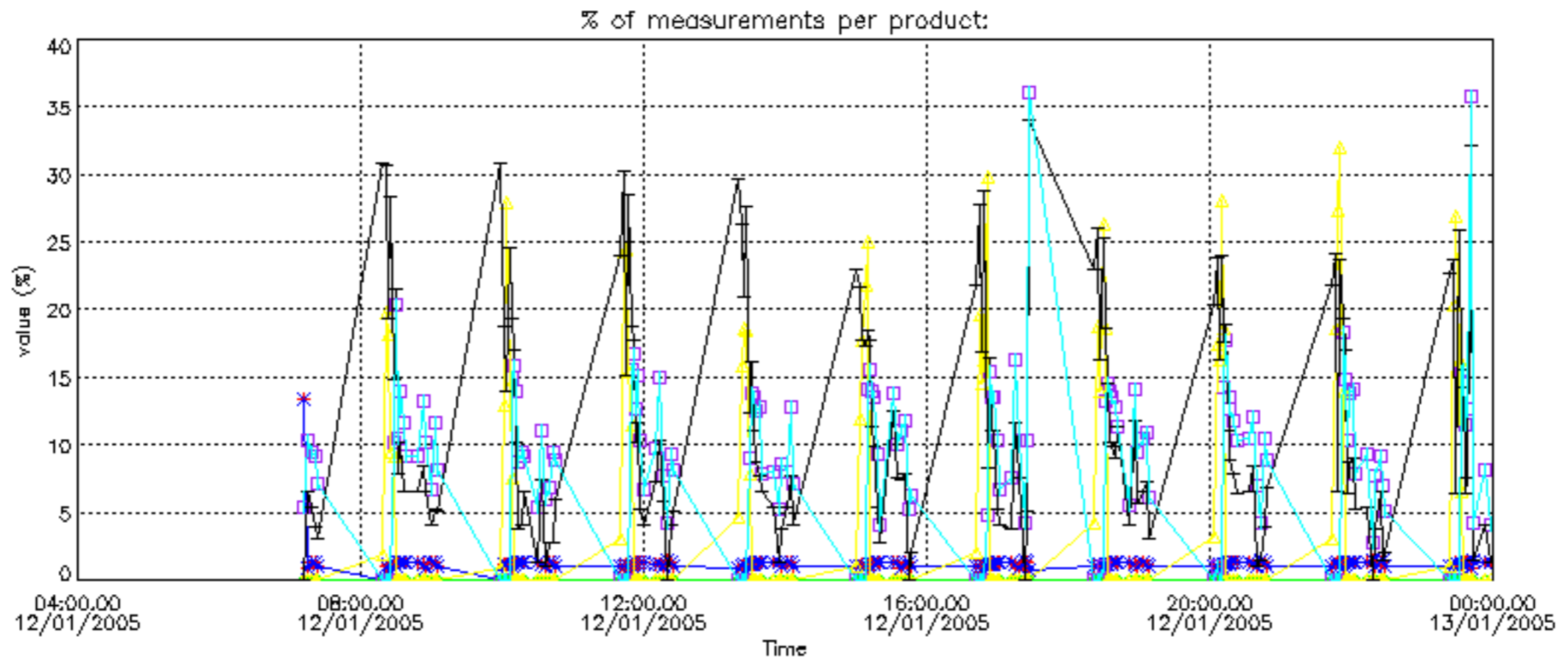
Percentage of flagged data per NO2 profile



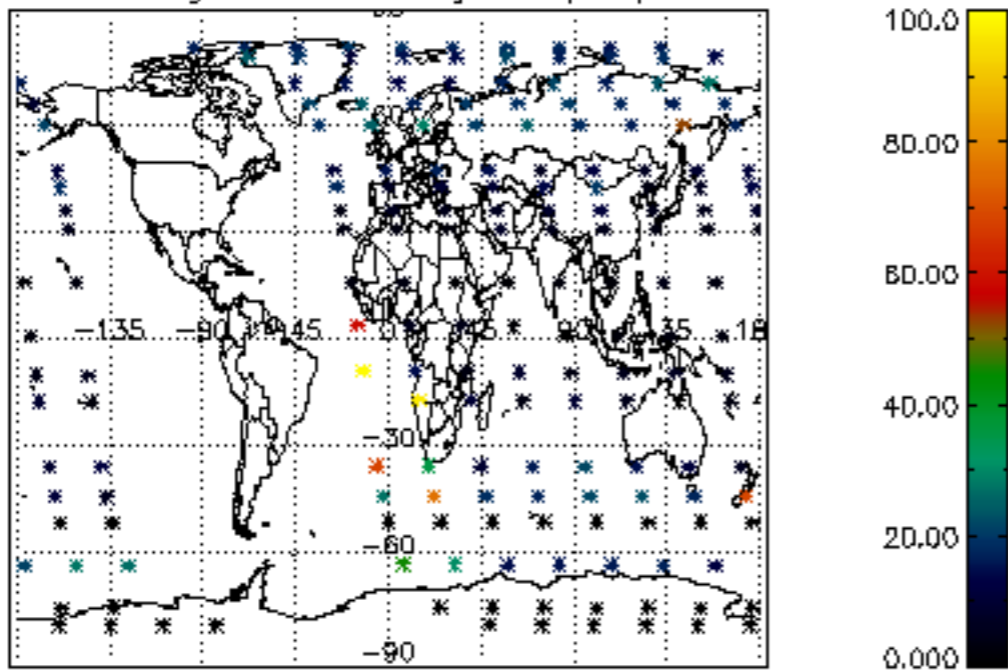
Percentage of flagged data per NO3 profile



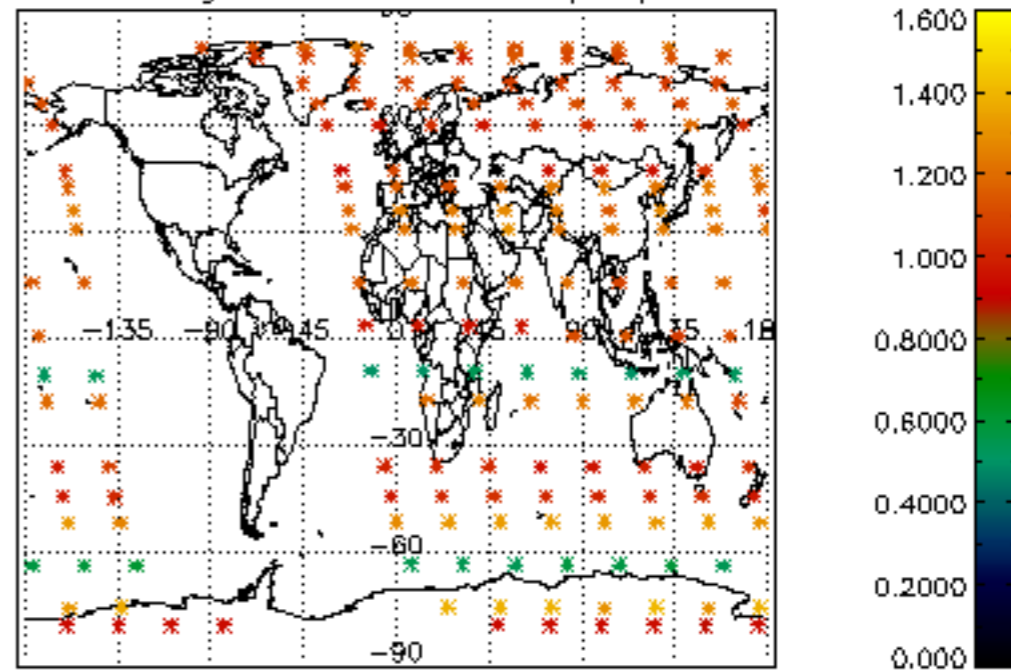




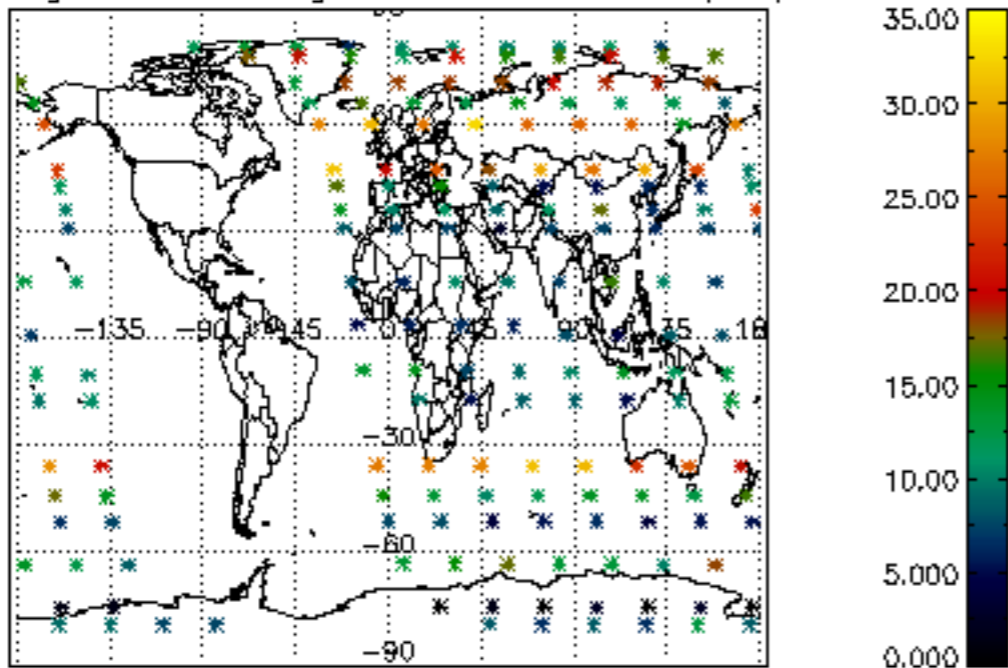
Percentage of cosmic ray hits per profile



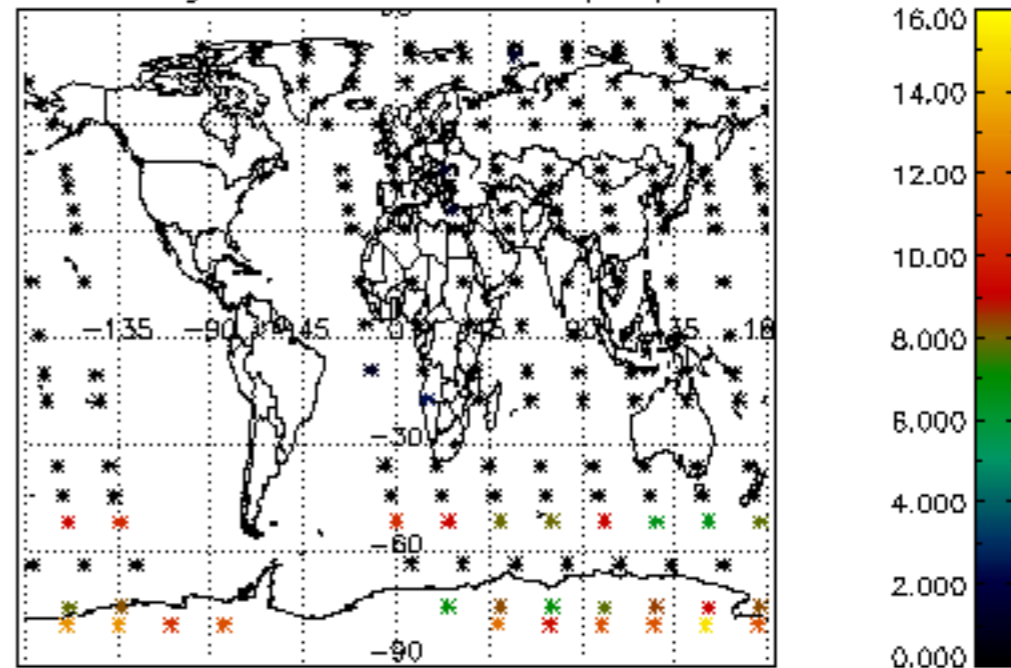
Percentage of datation errors per profile



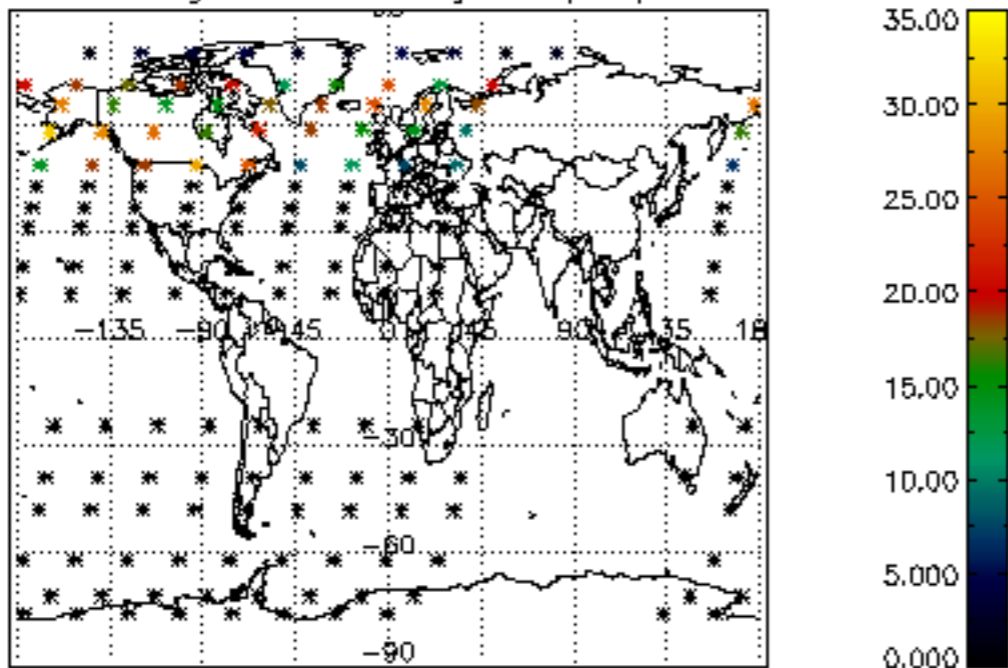
Percentage of star falling outside central band per profile



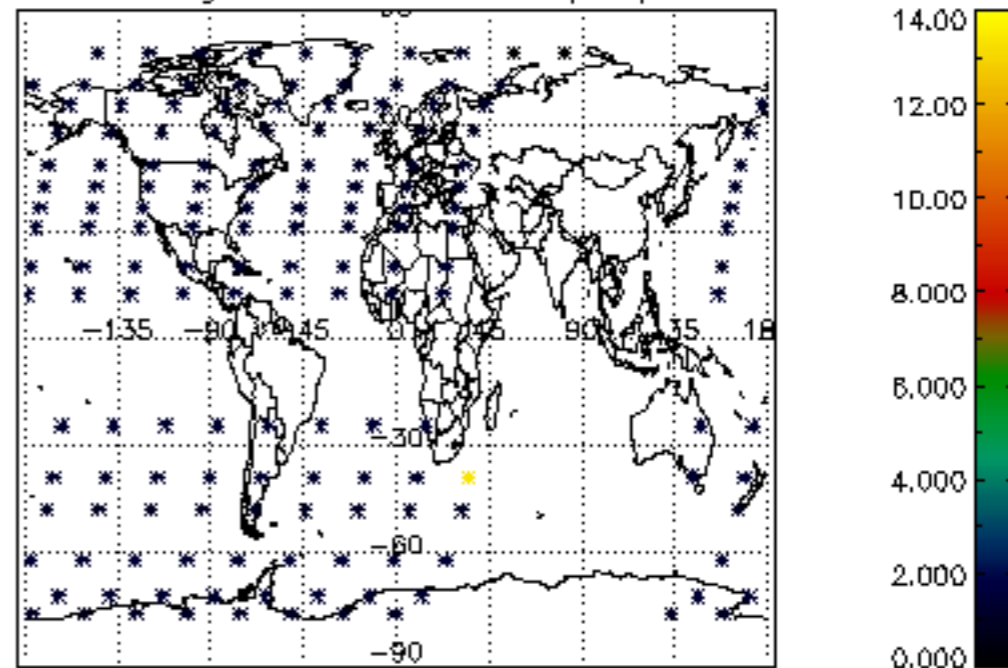
Percentage of saturation errors per profile



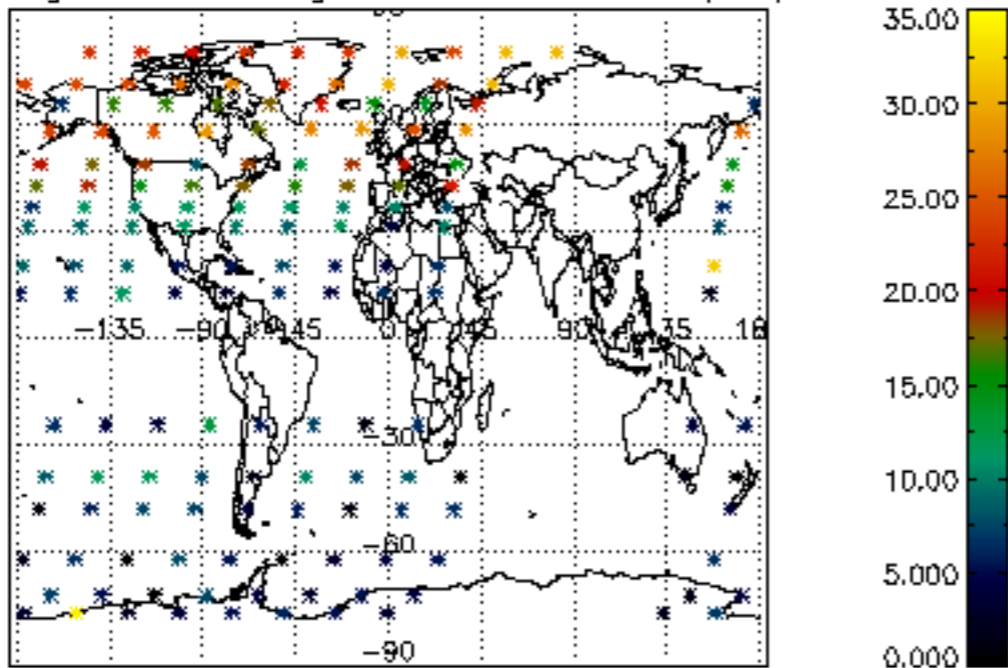
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

