

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	29APR2013 12:35:55
Data source version	GOMOS/6.01
Start time of products	02-07-2010 (02JUL2010 00:00:00)
Stop time of products	03-07-2010 (03JUL2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	230
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

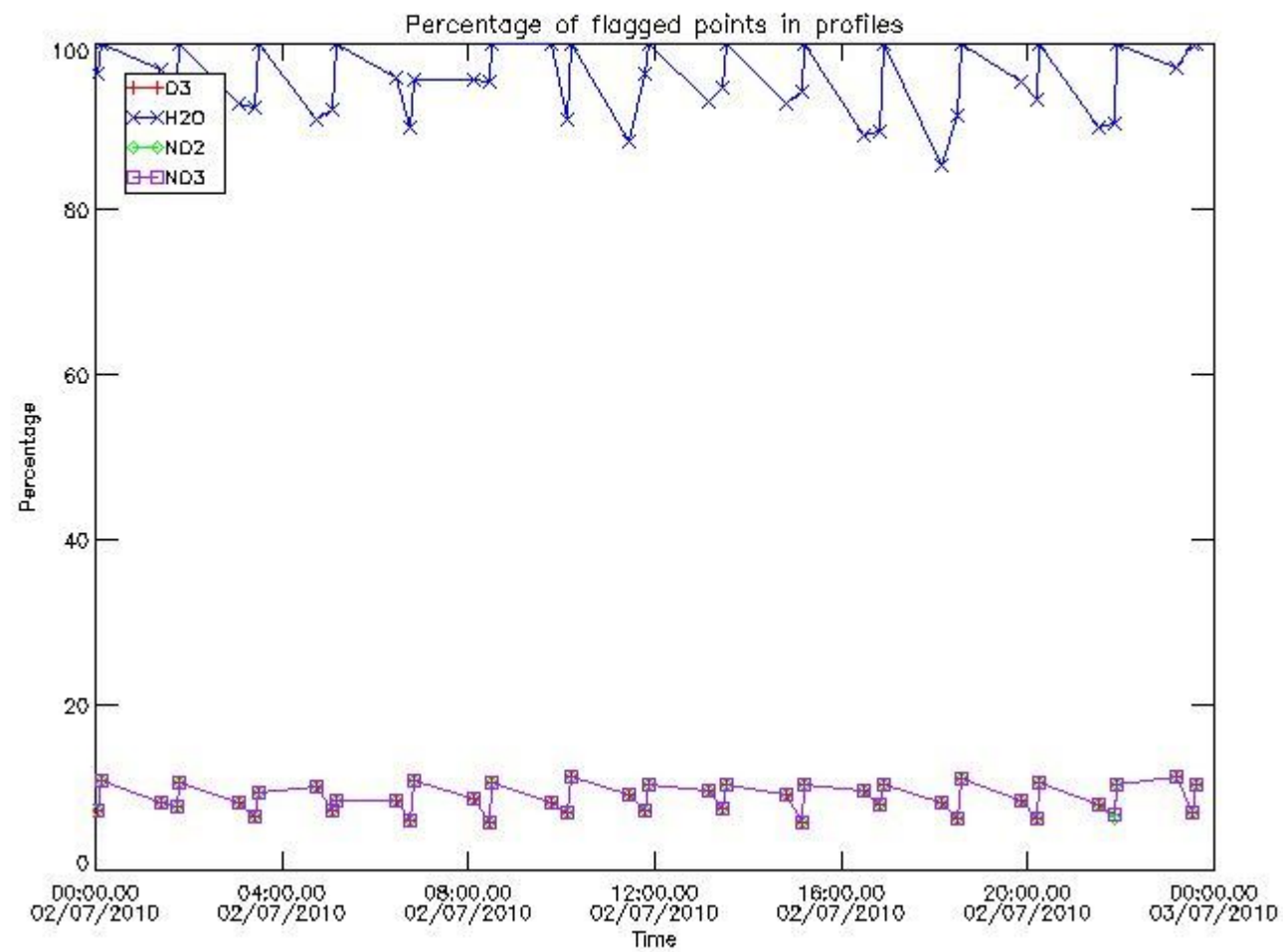
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20100702_000315_000000712090_00445_43585_6891.N1	02-JUL-2010 00:03:15	Dark	71.000	52	16Bet Cet	2.0370	4500.0	142	43585	No
2	GOM_NL__2PRFIN20100702_000736_000000482090_00446_43586_6888.N1	02-JUL-2010 00:07:36	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	43586	No
3	GOM_NL__2PRFIN20100702_001404_000000532090_00446_43586_6889.N1	02-JUL-2010 00:14:04	Straylight	52.500	63	Bet Gru	2.1500	2800.0	105	43586	No
4	GOM_NL__2PRFIN20100702_001545_000000972090_00446_43586_6890.N1	02-JUL-2010 00:15:45	Straylight	96.500	18	24Alp PsA	1.1660	9700.0	193	43586	No
5	GOM_NL__2PRFIN20100702_001855_000000572090_00446_43586_6891.N1	02-JUL-2010 00:18:55	Straylight	56.500	172	Gam Gru	3.0030	13100.	113	43586	No
6	GOM_NL__2PRFIN20100702_003030_000000462090_00446_43586_6892.N1	02-JUL-2010 00:30:30	Bright	45.500	155	41Pi Sgr	2.9000	6600.0	91	43586	No
7	GOM_NL__2PRFIN20100702_004253_000000462090_00446_43586_6893.N1	02-JUL-2010 00:42:53	Bright	46.000	168	17Zet Aql	2.9860	11000.	92	43586	No
8	GOM_NL__2PRFIN20100702_004953_000000422090_00446_43586_6894.N1	02-JUL-2010 00:49:53	Bright	42.000	5	3Alp Lyr	0.033000	11000.	84	43586	No
9	GOM_NL__2PRFIN20100702_005420_000000502090_00446_43586_6895.N1	02-JUL-2010 00:54:20	Bright	49.500	144	18Del Cyg	2.8600	11000.	99	43586	No
10	GOM_NL__2PRFIN20100702_005757_000000622090_00446_43586_6896.N1	02-JUL-2010 00:57:57	Bright	61.500	19	50Alp Cyg	1.2460	10500.	123	43586	No
11	GOM_NL__2PRFIN20100702_010123_000000482090_00446_43586_6897.N1	02-JUL-2010 01:01:23	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43586	No
12	GOM_NL__2PRFIN20100702_010846_000000472090_00446_43586_6898.N1	02-JUL-2010 01:08:46	Bright	47.000	74	11Bet Cas	2.2680	6600.0	94	43586	No
13	GOM_NL__2PRFIN20100702_011021_000000592090_00446_43586_6899.N1	02-JUL-2010 01:10:21	Bright	59.000	110	37Del Cas	2.6780	8900.0	118	43586	No
14	GOM_NL__2PRFIN20100702_011653_000000512090_00446_43586_6900.N1	02-JUL-2010 01:16:53	Bright	50.500	73	57Gam1And	2.2600	13100.	101	43586	No
15	GOM_NL__2PRFIN20100702_011927_000000742090_00446_43586_6901.N1	02-JUL-2010 01:19:27	Twilight	74.000	53	43Bet And	2.0480	3300.0	148	43586	No
16	GOM_NL__2PRFIN20100702_012351_000000622090_00446_43586_6902.N1	02-JUL-2010 01:23:51	Dark	62.000	50	13Alp Ari	2.0070	4250.0	124	43586	No
17	GOM_NL__2PRFIN20100702_014353_000000872090_00446_43586_6903.N1	02-JUL-2010 01:43:53	Dark	86.500	52	16Bet Cet	2.0370	4500.0	173	43586	No
18	GOM_NL__2PRFIN20100702_014813_000000482090_00447_43587_6898.N1	02-JUL-2010 01:48:13	Dark	48.000	84	Alp Phe	2.3970	4500.0	96	43587	No
19	GOM_NL__2PRFIN20100702_015441_000000542090_00447_43587_6899.N1	02-JUL-2010 01:54:41	Straylight	53.500	63	Bet Gru	2.1500	2800.0	107	43587	No
20	GOM_NL__2PRFIN20100702_015623_000000782090_00447_43587_6900.N1	02-JUL-2010 01:56:23	Straylight	77.500	18	24Alp PsA	1.1660	9700.0	155	43587	No
21	GOM_NL__2PRFIN20100702_015932_000000572090_00447_43587_6901.N1	02-JUL-2010 01:59:32	Straylight	57.000	172	Gam Gru	3.0030	13100.	114	43587	No
22	GOM_NL__2PRFIN20100702_021106_000000462090_00447_43587_6902.N1	02-JUL-2010 02:11:06	Bright	46.000	155	41Pi Sgr	2.9000	6600.0	92	43587	No
23	GOM_NL__2PRFIN20100702_022329_000000472090_00447_43587_6903.N1	02-JUL-2010 02:23:29	Bright	47.000	168	17Zet Aql	2.9860	11000.	94	43587	No
24	GOM_NL__2PRFIN20100702_023029_000000402090_00447_43587_6904.N1	02-JUL-2010 02:30:29	Bright	40.000	5	3Alp Lyr	0.033000	11000.	80	43587	No
25	GOM_NL__2PRFIN20100702_023456_000000462090_00447_43587_6905.N1	02-JUL-2010 02:34:56	Bright	46.000	144	18Del Cyg	2.8600	11000.	92	43587	No
26	GOM_NL__2PRFIN20100702_023832_000000642090_00447_43587_6906.N1	02-JUL-2010 02:38:32	Bright	63.500	19	50Alp Cyg	1.2460	10500.	127	43587	No
27	GOM_NL__2PRFIN20100702_024158_000000442090_00447_43587_6907.N1	02-JUL-2010 02:41:58	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	43587	No
28	GOM_NL__2PRFIN20100702_024921_000000482090_00447_43587_6908.N1	02-JUL-2010 02:49:21	Bright	48.000	74	11Bet Cas	2.2680	6600.0	96	43587	No
29	GOM_NL__2PRFIN20100702_025056_000000422090_00447_43587_6909.N1	02-JUL-2010 02:50:56	Bright	41.500	110	37Del Cas	2.6780	8900.0	83	43587	No
30	GOM_NL__2PRFIN20100702_025729_000000522090_00447_43587_6910.N1	02-JUL-2010 02:57:29	Bright	51.500	73	57Gam1And	2.2600	13100.	103	43587	No
31	GOM_NL__2PRFIN20100702_030002_000000672090_00447_43587_6911.N1	02-JUL-2010 03:00:02	Twilight	66.500	53	43Bet And	2.0480	3300.0	133	43587	No
32	GOM_NL__2PRFIN20100702_030427_000000632090_00447_43587_6912.N1	02-JUL-2010 03:04:27	Dark	62.500	50	13Alp Ari	2.0070	4250.0	125	43587	No
33	GOM_NL__2PRFIN20100702_032431_000000792090_00447_43587_6913.N1	02-JUL-2010 03:24:31	Dark	78.500	52	16Bet Cet	2.0370	4500.0	157	43587	No
34	GOM_NL__2PRFIN20100702_032850_000000552090_00448_43588_6908.N1	02-JUL-2010 03:28:50	Dark	54.500	84	Alp Phe	2.3970	4500.0	109	43588	No
35	GOM_NL__2PRFIN20100702_033518_000000532090_00448_43588_6909.N1	02-JUL-2010 03:35:18	Straylight	52.500	63	Bet Gru	2.1500	2800.0	105	43588	No
36	GOM_NL__2PRFIN20100702_033701_000000862090_00448_43588_6910.N1	02-JUL-2010 03:37:01	Straylight	86.000	18	24Alp PsA	1.1660	9700.0	172	43588	No
37	GOM_NL__2PRFIN20100702_034009_000000562090_00448_43588_6911.N1	02-JUL-2010 03:40:09	Straylight	55.500	172	Gam Gru	3.0030	13100.	111	43588	No
38	GOM_NL__2PRFIN20100702_035142_000000462090_00448_43588_6912.N1	02-JUL-2010 03:51:42	Bright	46.000	155	41Pi Sgr	2.9000	6600.0	92	43588	No
39	GOM_NL__2PRFIN20100702_040404_000000492090_00448_43588_6913.N1	02-JUL-2010 04:04:04	Bright	48.500	168	17Zet Aql	2.9860	11000.	97	43588	No
40	GOM_NL__2PRFIN20100702_041104_000000432090_00448_43588_6914.N1	02-JUL-2010 04:11:04	Bright	42.500	5	3Alp Lyr	0.033000	11000.	85	43588	No
41	GOM_NL__2PRFIN20100702_041531_000000482090_00448_43588_6915.N1	02-JUL-2010 04:15:31	Bright	48.000	144	18Del Cyg	2.8600	11000.	96	43588	No
42	GOM_NL__2PRFIN20100702_041907_000000602090_00448_43588_6916.N1	02-JUL-2010 04:19:07	Bright	60.000	19	50Alp Cyg	1.2460	10500.	120	43588	No

220	GOM_NL__2PRFIN20100702_225626_000000492090_00459_43599_7224.N1	02-JUL-2010 22:56:26	Bright	48.500	74	11Bet Cas	2.2680	6600.0	97	43599	No
221	GOM_NL__2PRFIN20100702_225804_000000432090_00459_43599_7225.N1	02-JUL-2010 22:58:04	Bright	42.500	110	37Del Cas	2.6780	8900.0	85	43599	No
222	GOM_NL__2PRFIN20100702_230439_000000532090_00459_43599_7226.N1	02-JUL-2010 23:04:39	Bright	53.000	73	57Gam1And	2.2600	13100.	106	43599	No
223	GOM_NL__2PRFIN20100702_230714_000000742090_00459_43599_7227.N1	02-JUL-2010 23:07:14	Twilight	74.000	53	43Bet And	2.0480	3300.0	148	43599	No
224	GOM_NL__2PRFIN20100702_231142_000000672090_00459_43599_7228.N1	02-JUL-2010 23:11:42	Dark	66.500	50	13Alp Ari	2.0070	4250.0	133	43599	No
225	GOM_NL__2PRFIN20100702_233205_000000732090_00459_43599_7229.N1	02-JUL-2010 23:32:05	Dark	73.000	52	16Bet Cet	2.0370	4500.0	146	43599	No
226	GOM_NL__2PRFIN20100702_233614_000000502090_00460_43600_7226.N1	02-JUL-2010 23:36:14	Dark	49.500	84	Alp Phe	2.3970	4500.0	99	43600	No
227	GOM_NL__2PRFIN20100702_234241_000000542090_00460_43600_7227.N1	02-JUL-2010 23:42:41	Straylight	53.500	63	Bet Gru	2.1500	2800.0	107	43600	No
228	GOM_NL__2PRFIN20100702_234433_000000782090_00460_43600_7228.N1	02-JUL-2010 23:44:33	Straylight	77.500	18	24Alp PsA	1.1660	9700.0	155	43600	No
229	GOM_NL__2PRFIN20100702_234733_000000572090_00460_43600_7229.N1	02-JUL-2010 23:47:33	Straylight	57.000	172	Gam Gru	3.0030	13100.	114	43600	No
230	GOM_NL__2PRFIN20100702_235856_000000452090_00460_43600_7230.N1	02-JUL-2010 23:58:56	Bright	45.000	155	41Pi Sgr	2.9000	6600.0	90	43600	No

3. Quality information per product

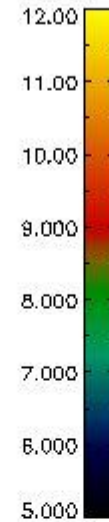
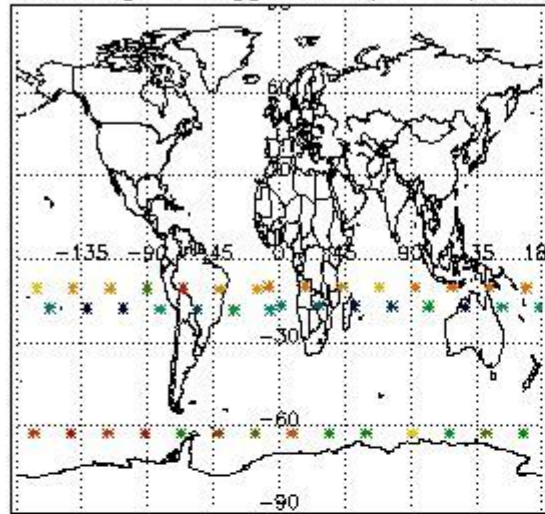
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

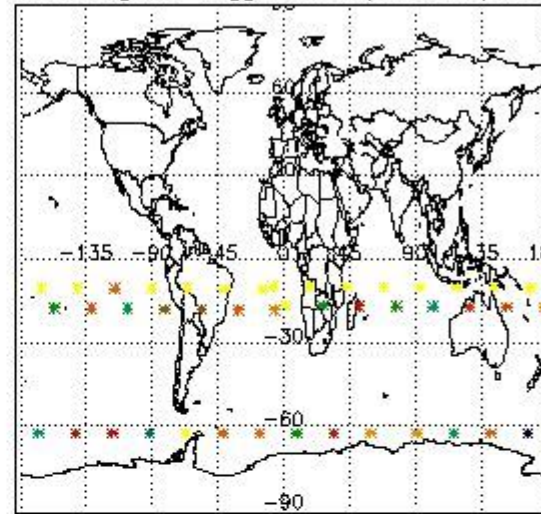


3.2 Plot quality information per product (world map)

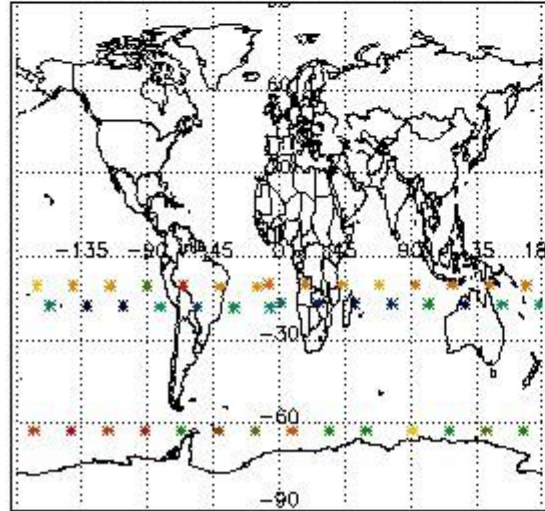
Percentage of flagged data per O3 profile



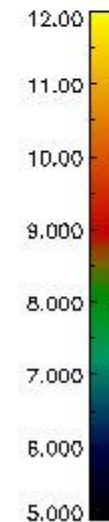
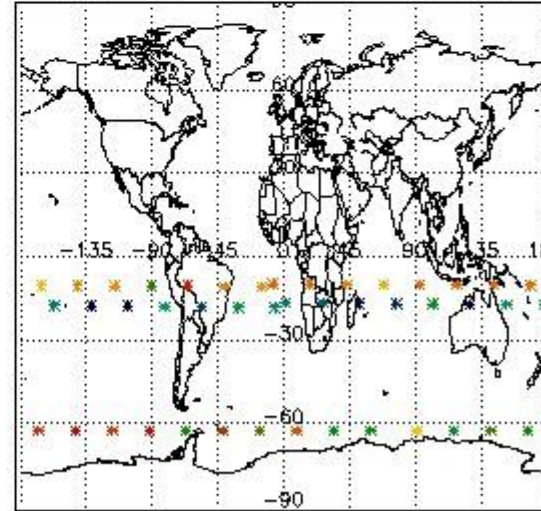
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

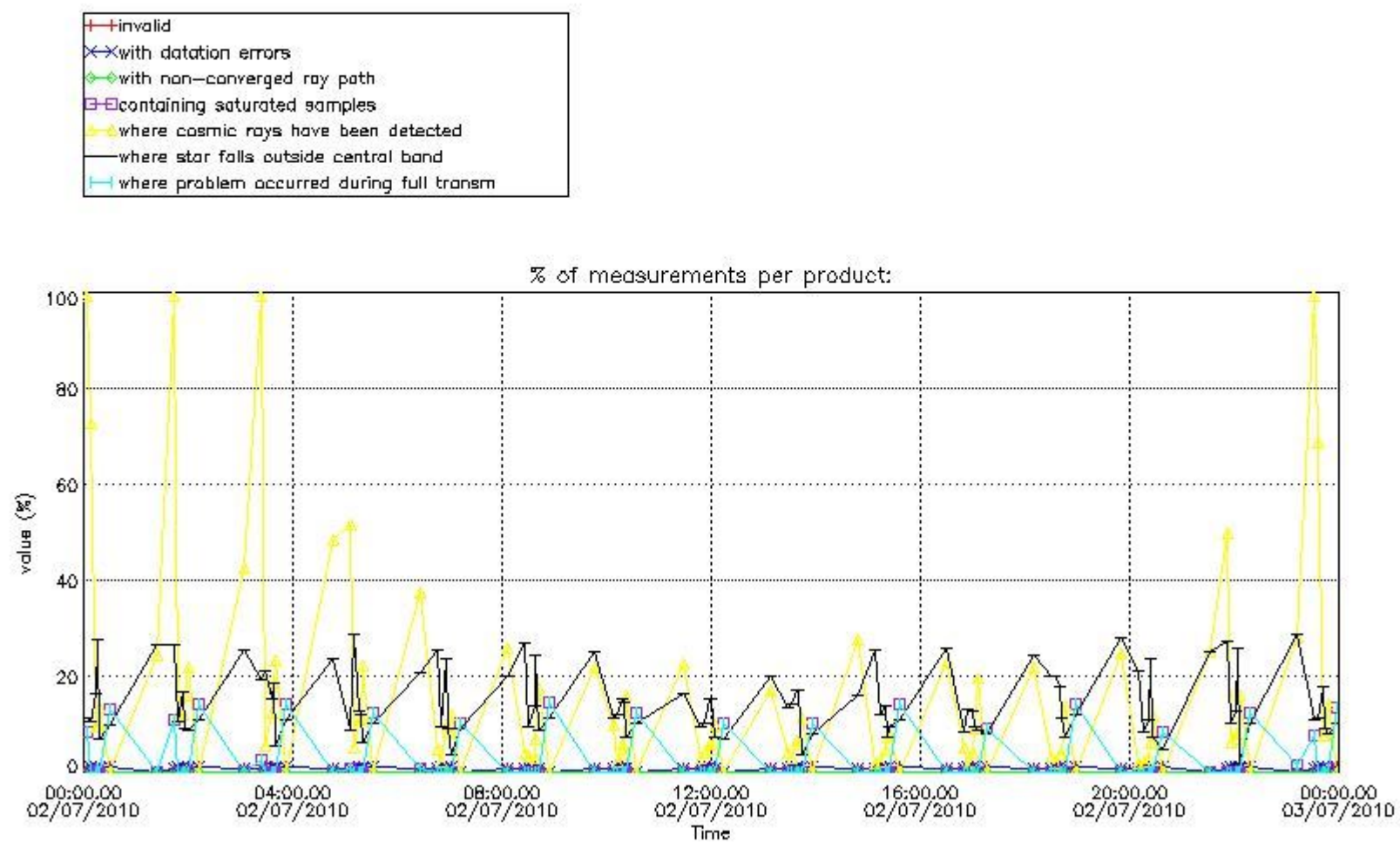


4. Level 1 quality information per product

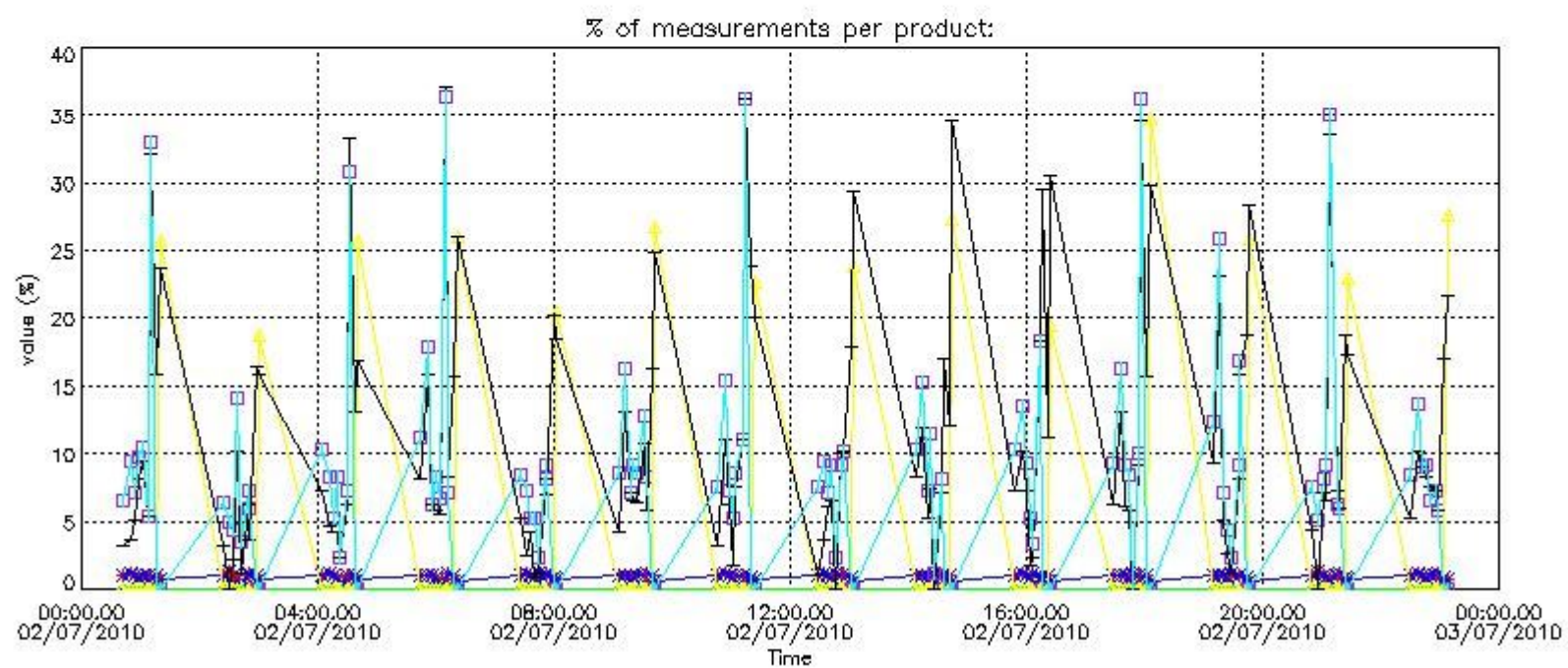
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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

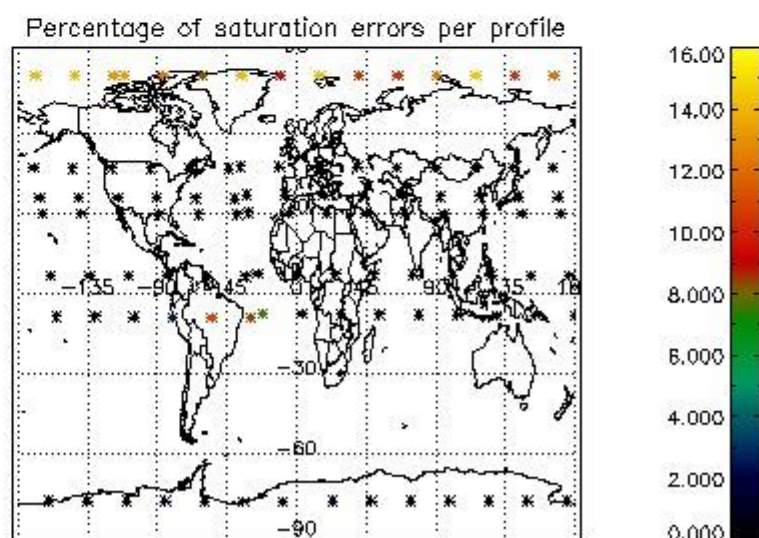
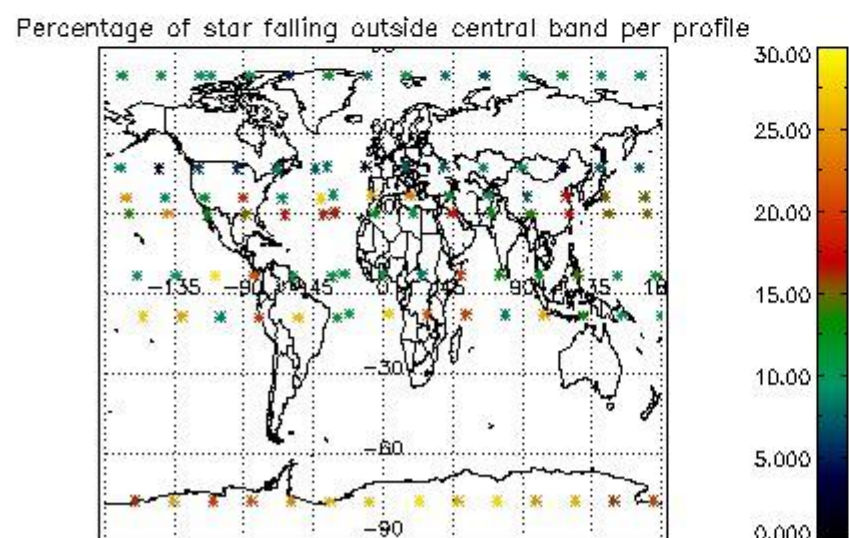
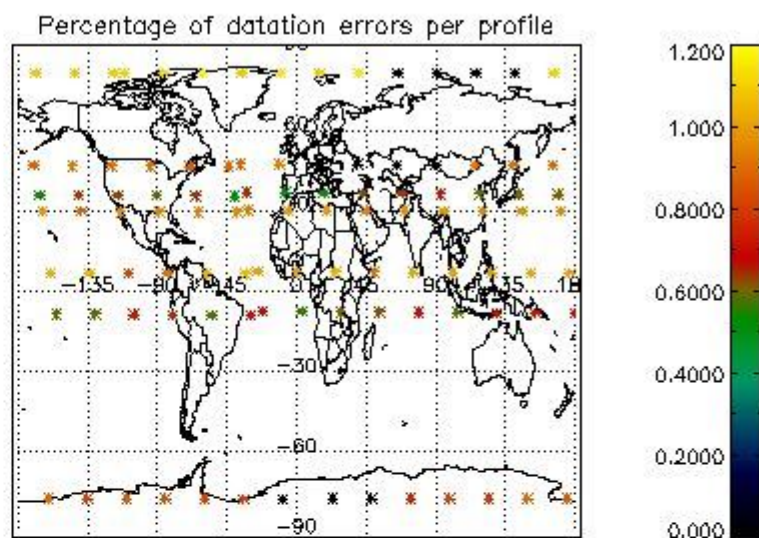
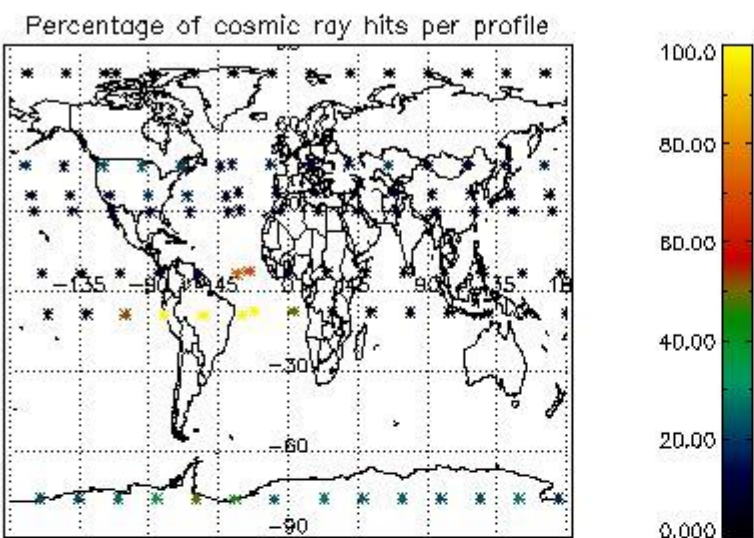


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

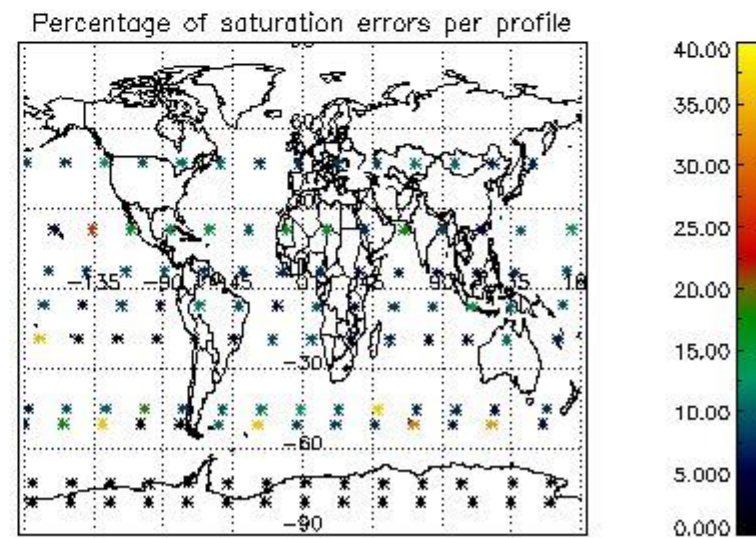
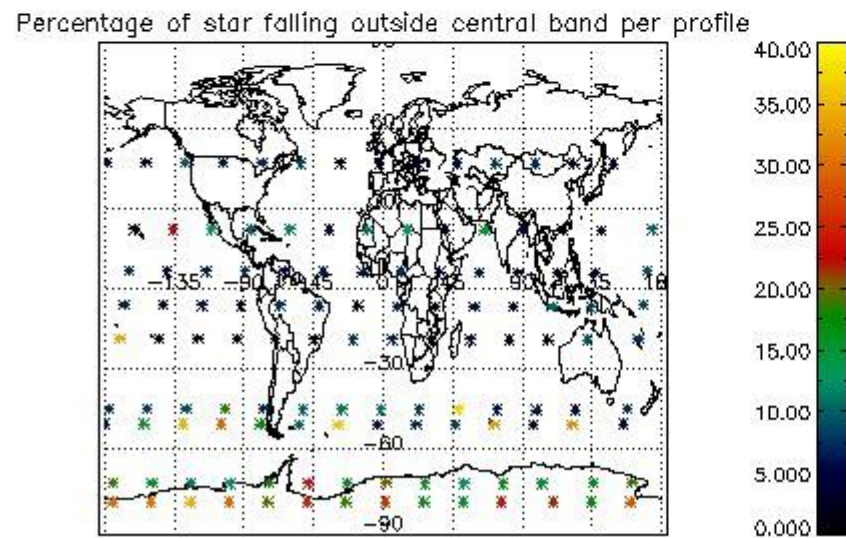
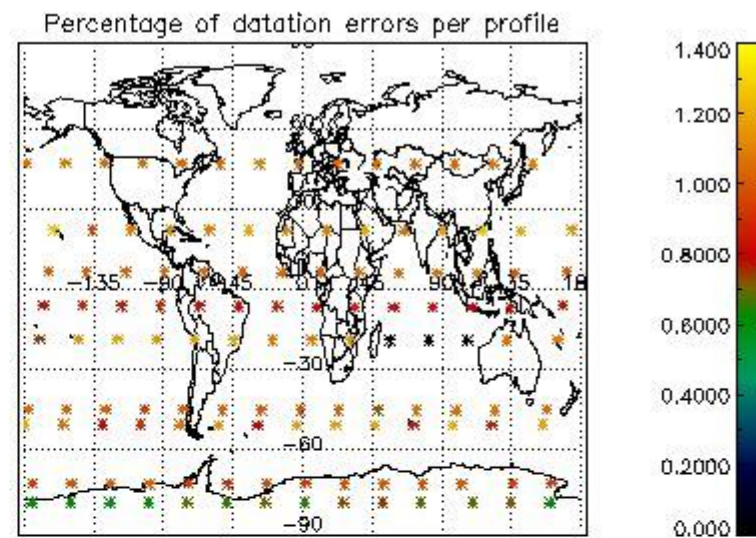
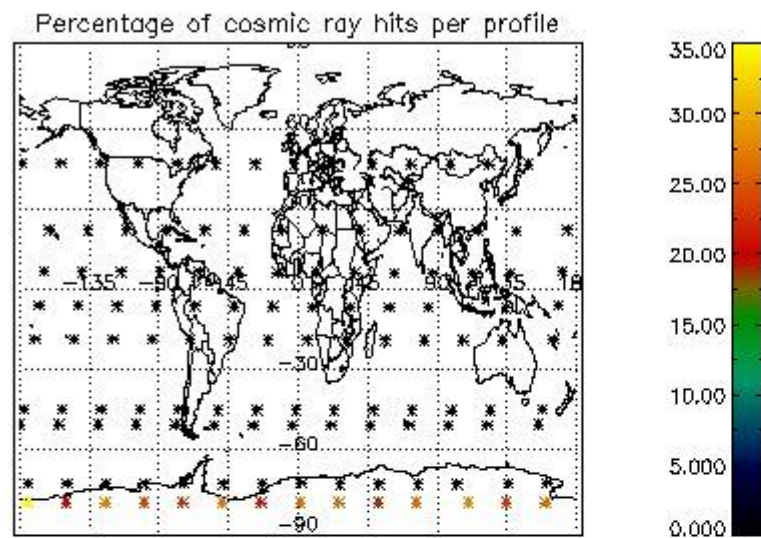


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

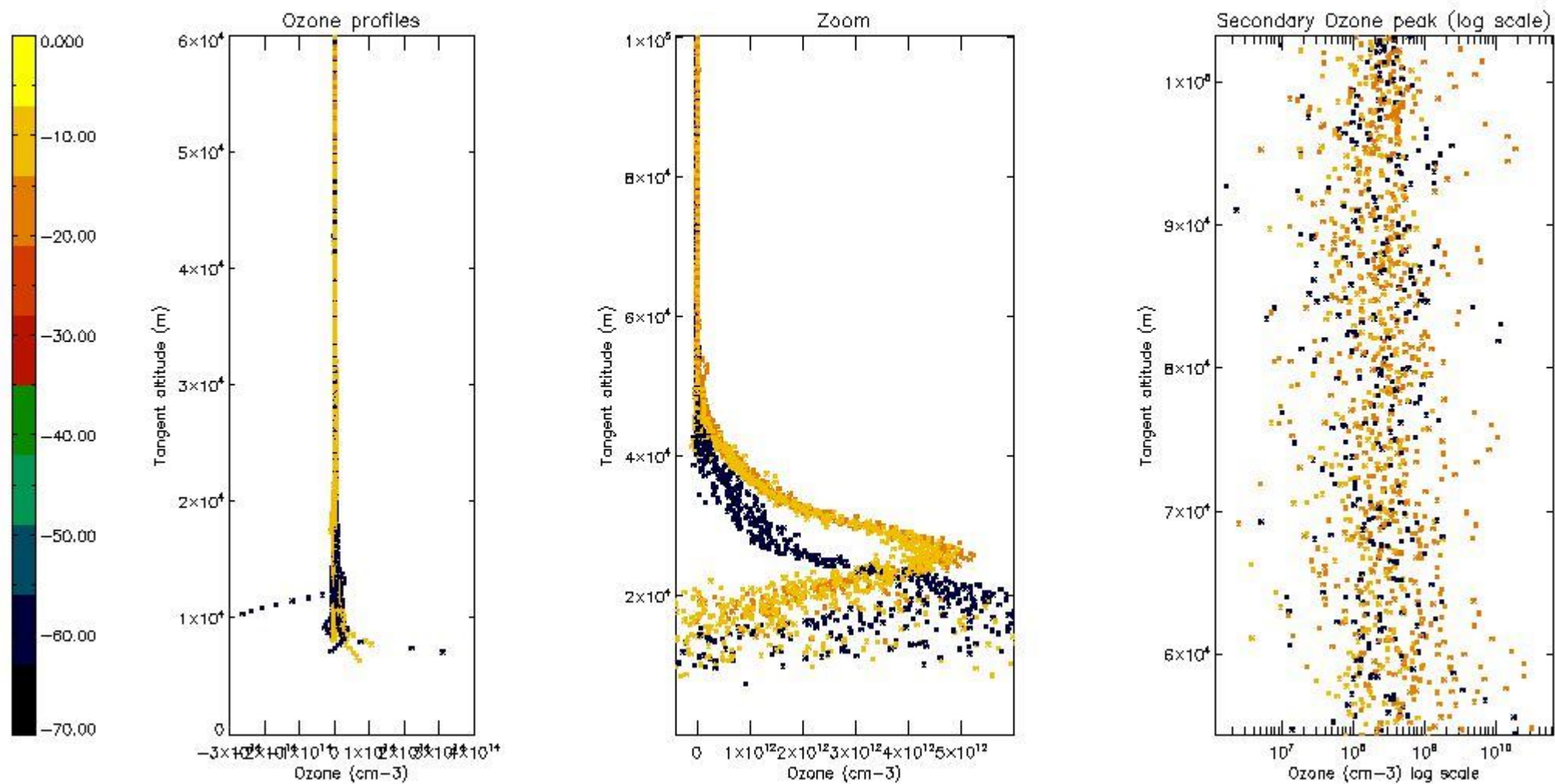
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	22
STD < 20	6

STD < 10	3
STD < 5	1

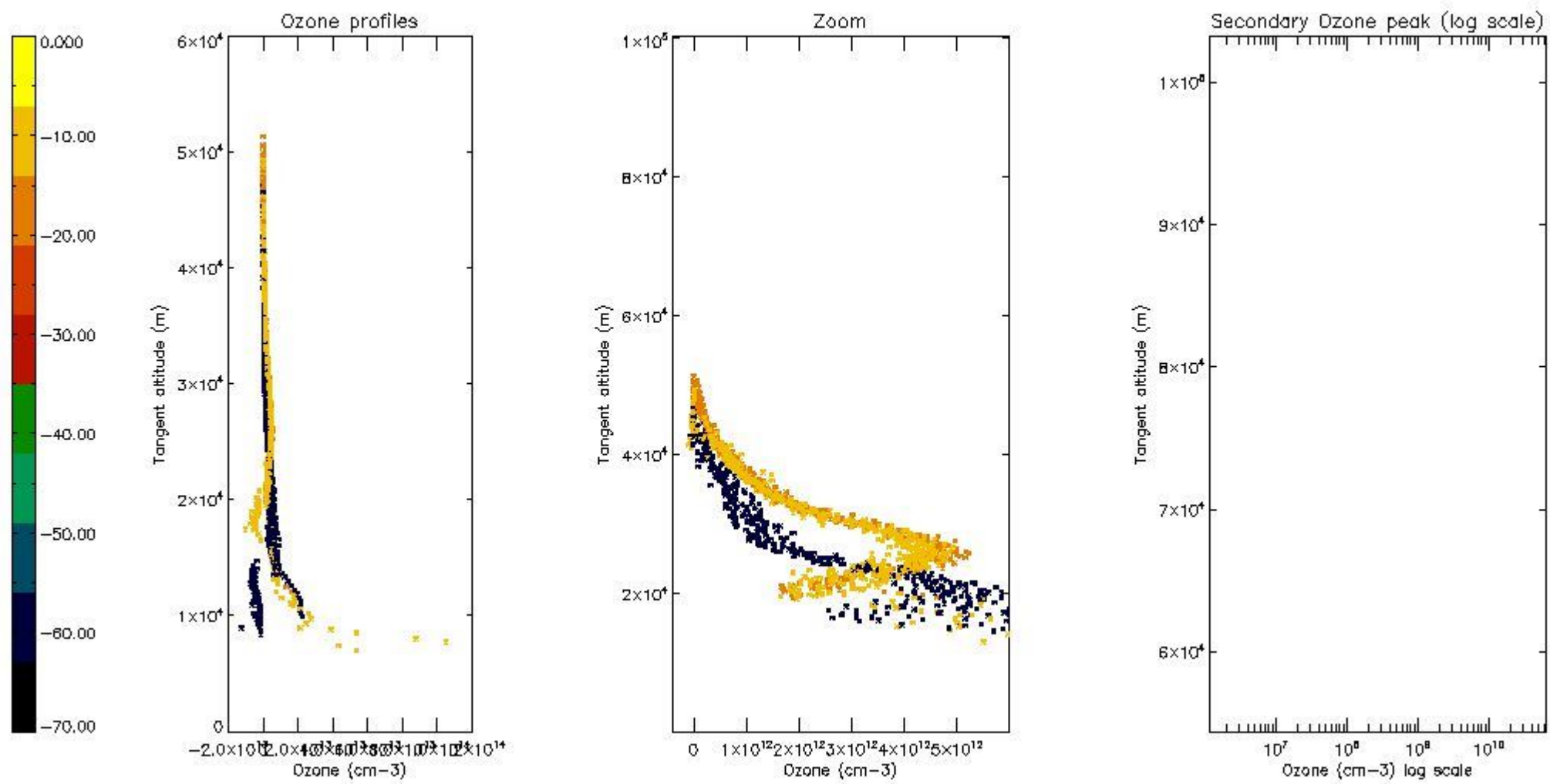
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



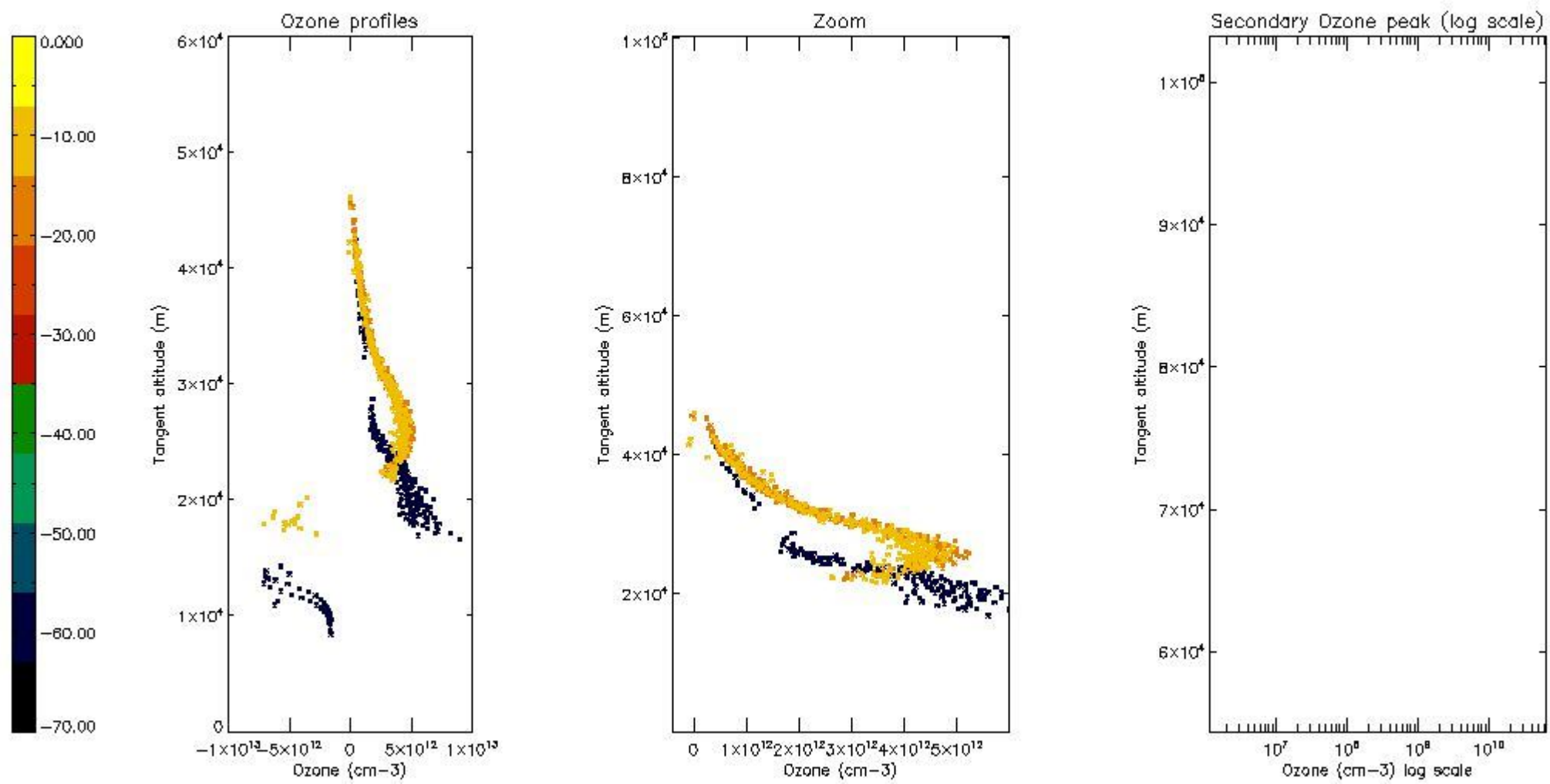
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



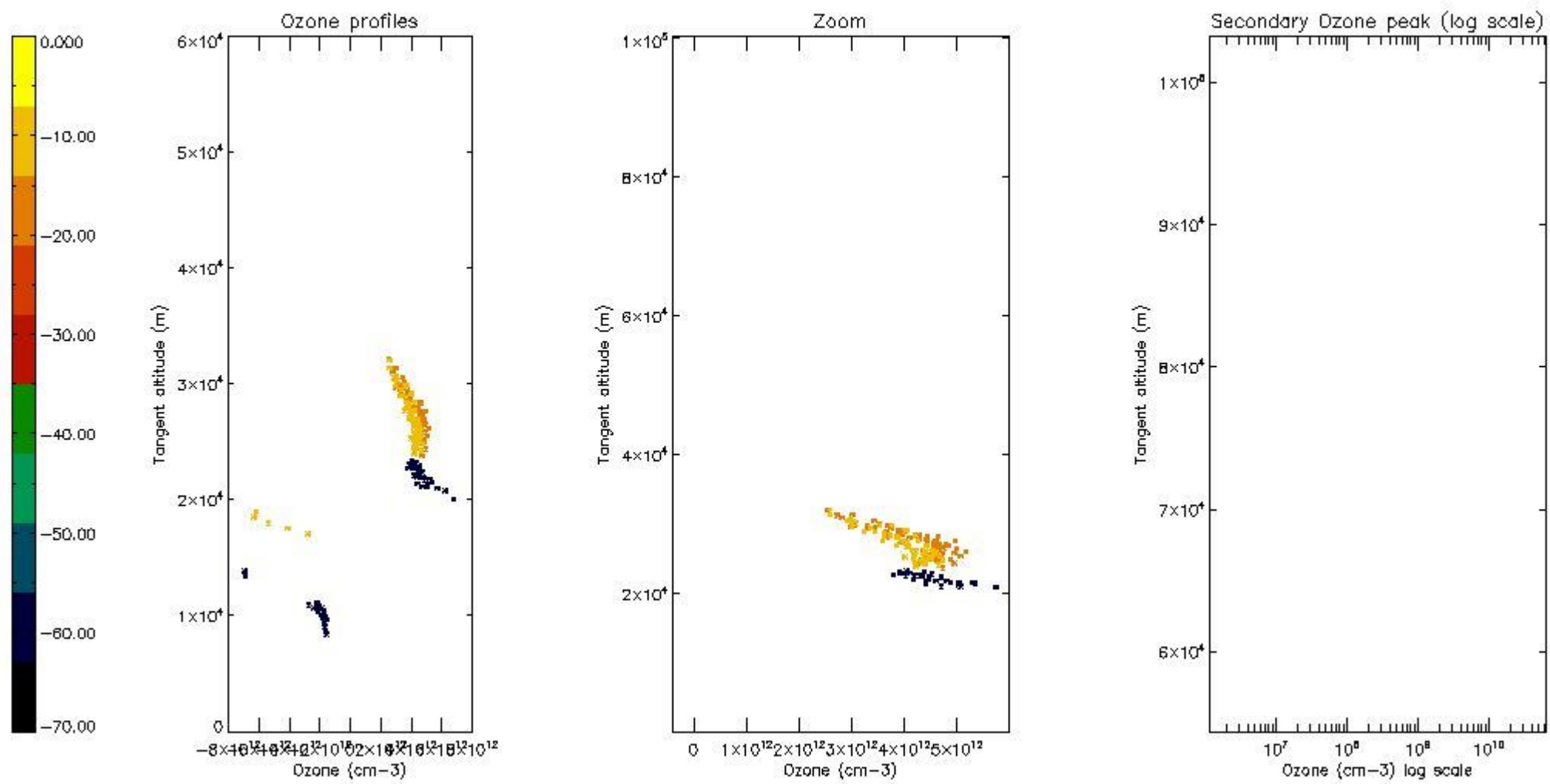
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



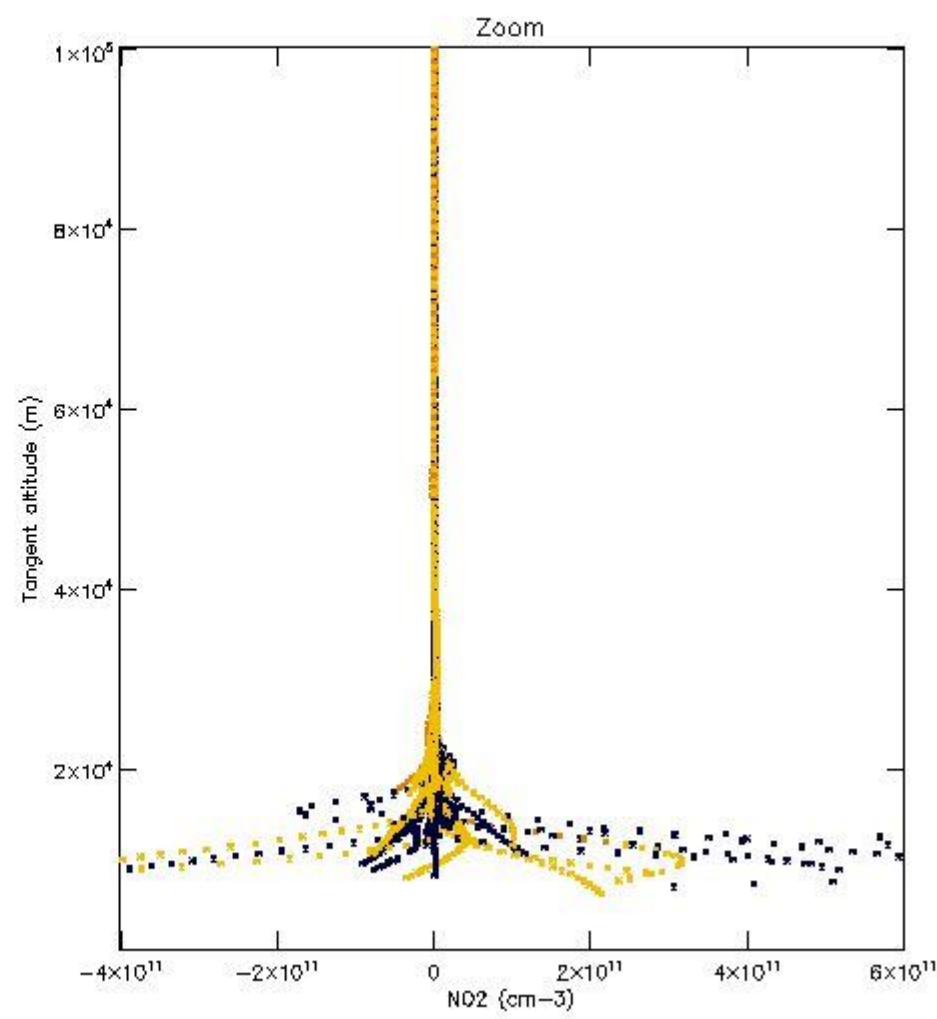
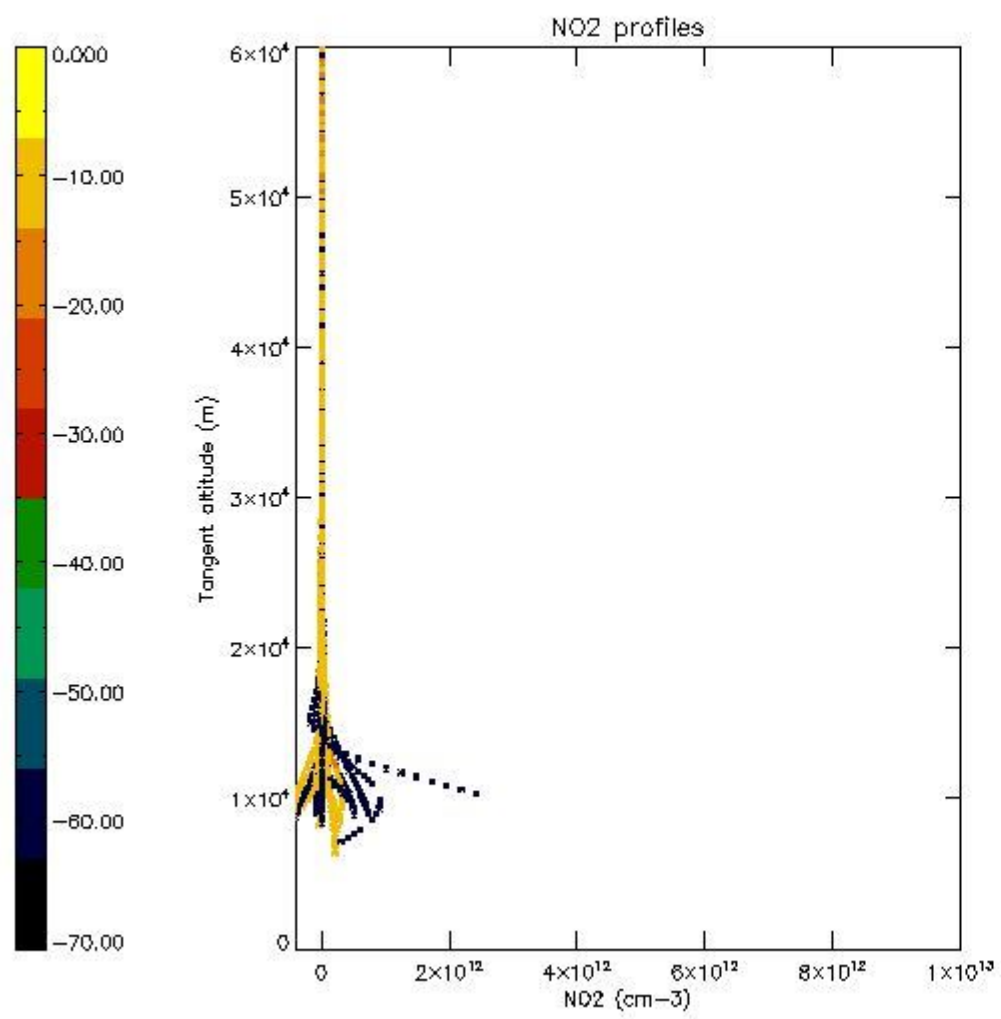
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



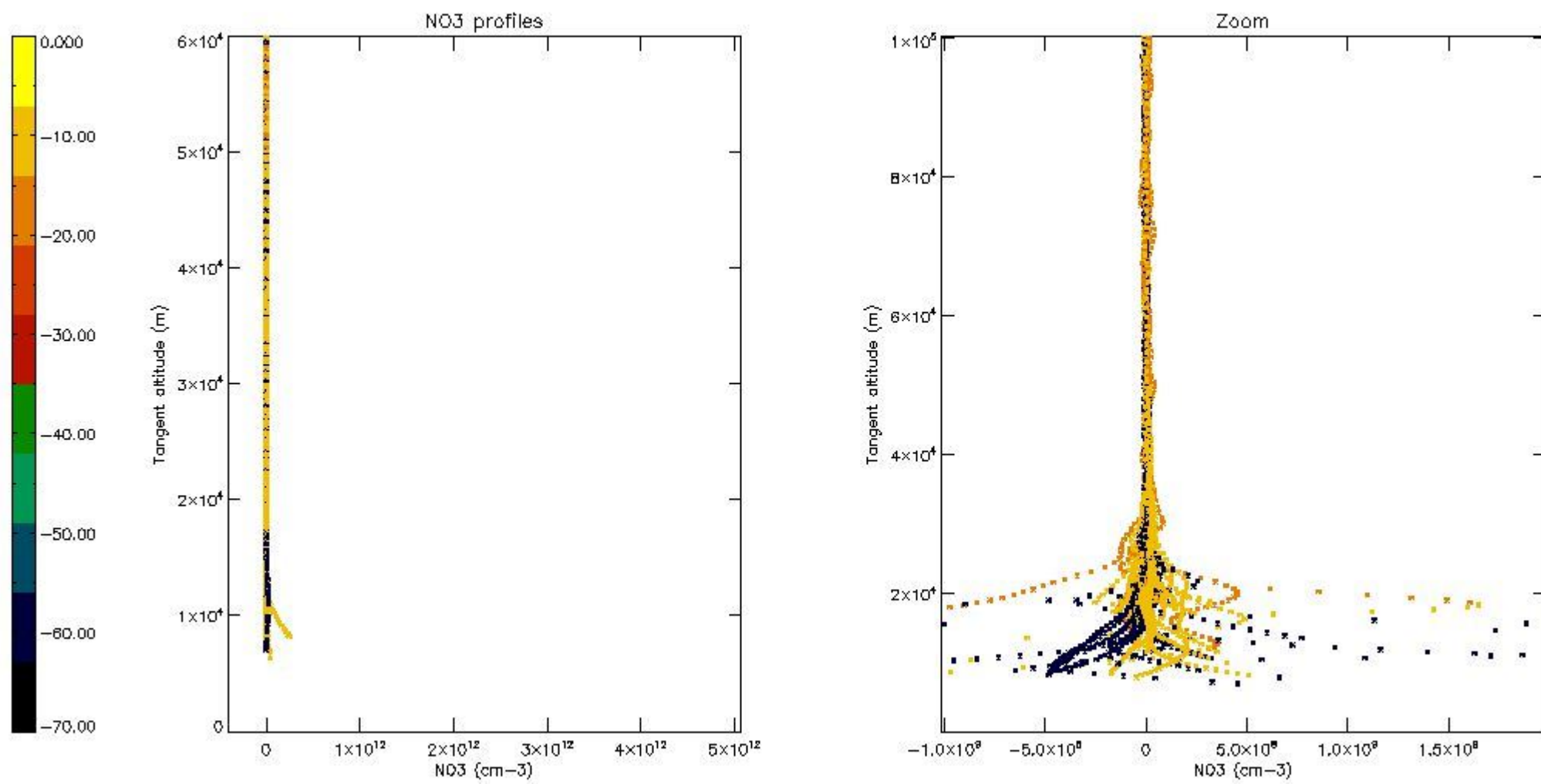
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



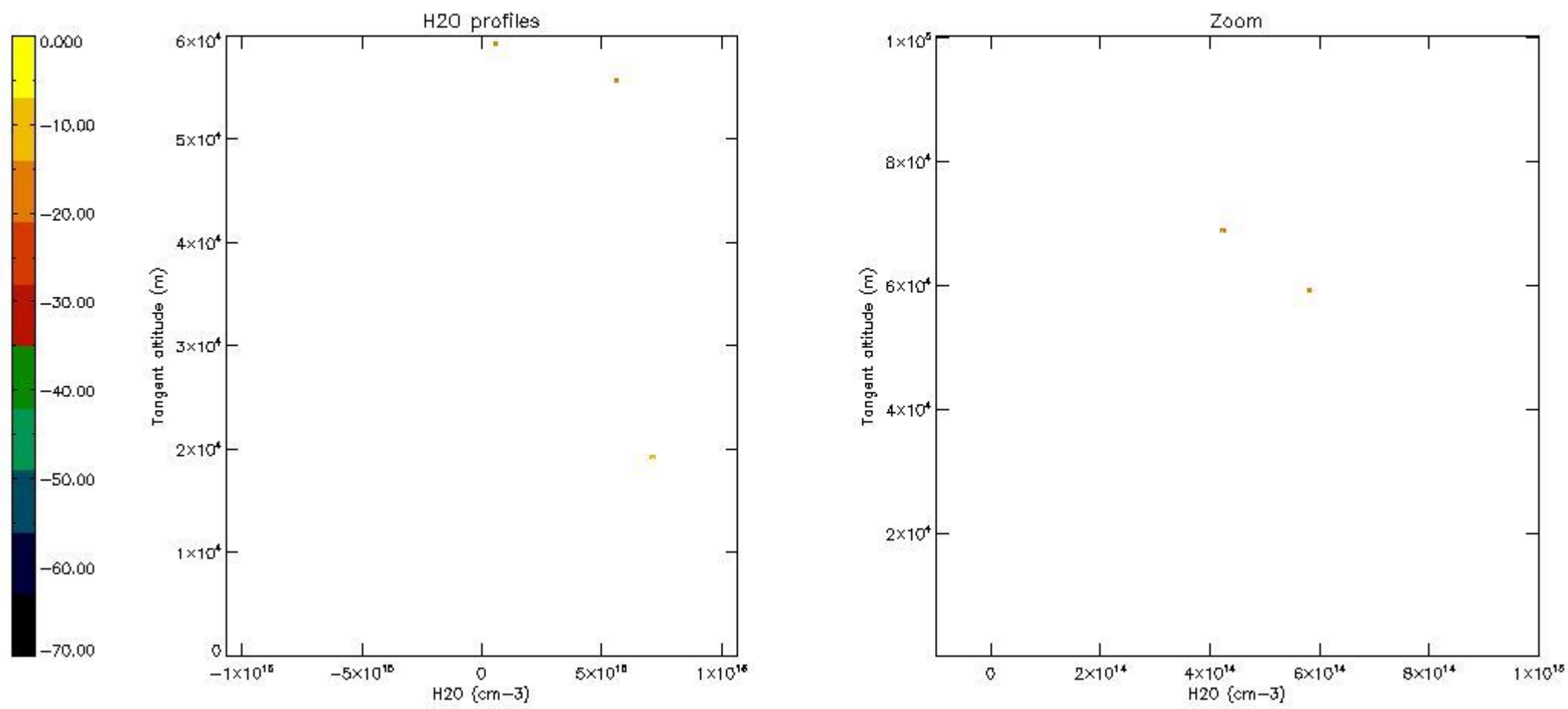
5.7 Plot NO3 profiles for all STD (dark without errors)

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	02-JUL-2010 00:03:15
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	02-JUL-2010 00:03:15
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	02-JUL-2010 00:03:15

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](#)

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	29APR2013 12:35:55
Data source version	GOMOS/6.01
Start time of products	02-07-2010 (02JUL2010 00:00:00)
Stop time of products	03-07-2010 (03JUL2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	230
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__2PRFIN20100702_000315_000000712090_00445_43585_6891.N1	02-JUL-2010 00:03:15	Dark	71.000	52	16Bet Cet	2.0370	4500.0	142	43585	No
2	GOM_NL__2PRFIN20100702_000736_000000482090_00446_43586_6888.N1	02-JUL-2010 00:07:36	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	43586	No
3	GOM_NL__2PRFIN20100702_001404_000000532090_00446_43586_6889.N1	02-JUL-2010 00:14:04	Straylight	52.500	63	Bet Gru	2.1500	2800.0	105	43586	No
4	GOM_NL__2PRFIN20100702_001545_000000972090_00446_43586_6890.N1	02-JUL-2010 00:15:45	Straylight	96.500	18	24Alp PsA	1.1660	9700.0	193	43586	No
5	GOM_NL__2PRFIN20100702_001855_000000572090_00446_43586_6891.N1	02-JUL-2010 00:18:55	Straylight	56.500	172	Gam Gru	3.0030	13100.	113	43586	No
6	GOM_NL__2PRFIN20100702_003030_000000462090_00446_43586_6892.N1	02-JUL-2010 00:30:30	Bright	45.500	155	41Pi Sgr	2.9000	6600.0	91	43586	No
7	GOM_NL__2PRFIN20100702_004253_000000462090_00446_43586_6893.N1	02-JUL-2010 00:42:53	Bright	46.000	168	17Zet Aql	2.9860	11000.	92	43586	No
8	GOM_NL__2PRFIN20100702_004953_000000422090_00446_43586_6894.N1	02-JUL-2010 00:49:53	Bright	42.000	5	3Alp Lyr	0.033000	11000.	84	43586	No
9	GOM_NL__2PRFIN20100702_005420_000000502090_00446_43586_6895.N1	02-JUL-2010 00:54:20	Bright	49.500	144	18Del Cyg	2.8600	11000.	99	43586	No
10	GOM_NL__2PRFIN20100702_005757_000000622090_00446_43586_6896.N1	02-JUL-2010 00:57:57	Bright	61.500	19	50Alp Cyg	1.2460	10500.	123	43586	No
11	GOM_NL__2PRFIN20100702_010123_000000482090_00446_43586_6897.N1	02-JUL-2010 01:01:23	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	43586	No
12	GOM_NL__2PRFIN20100702_010846_000000472090_00446_43586_6898.N1	02-JUL-2010 01:08:46	Bright	47.000	74	11Bet Cas	2.2680	6600.0	94	43586	No
13	GOM_NL__2PRFIN20100702_011021_000000592090_00446_43586_6899.N1	02-JUL-2010 01:10:21	Bright	59.000	110	37Del Cas	2.6780	8900.0	118	43586	No
14	GOM_NL__2PRFIN20100702_011653_000000512090_00446_43586_6900.N1	02-JUL-2010 01:16:53	Bright	50.500	73	57Gam1And	2.2600	13100.	101	43586	No
15	GOM_NL__2PRFIN20100702_011927_000000742090_00446_43586_6901.N1	02-JUL-2010 01:19:27	Twilight	74.000	53	43Bet And	2.0480	3300.0	148	43586	No
16	GOM_NL__2PRFIN20100702_012351_000000622090_00446_43586_6902.N1	02-JUL-2010 01:23:51	Dark	62.000	50	13Alp Ari	2.0070	4250.0	124	43586	No
17	GOM_NL__2PRFIN20100702_014353_000000872090_00446_43586_6903.N1	02-JUL-2010 01:43:53	Dark	86.500	52	16Bet Cet	2.0370	4500.0	173	43586	No
18	GOM_NL__2PRFIN20100702_014813_000000482090_00447_43587_6898.N1	02-JUL-2010 01:48:13	Dark	48.000	84	Alp Phe	2.3970	4500.0	96	43587	No
19	GOM_NL__2PRFIN20100702_015441_000000542090_00447_43587_6899.N1	02-JUL-2010 01:54:41	Straylight	53.500	63	Bet Gru	2.1500	2800.0	107	43587	No
20	GOM_NL__2PRFIN20100702_015623_000000782090_00447_43587_6900.N1	02-JUL-2010 01:56:23	Straylight	77.500	18	24Alp PsA	1.1660	9700.0	155	43587	No
21	GOM_NL__2PRFIN20100702_015932_000000572090_00447_43587_6901.N1	02-JUL-2010 01:59:32	Straylight	57.000	172	Gam Gru	3.0030	13100.	114	43587	No
22	GOM_NL__2PRFIN20100702_021106_000000462090_00447_43587_6902.N1	02-JUL-2010 02:11:06	Bright	46.000	155	41Pi Sgr	2.9000	6600.0	92	43587	No
23	GOM_NL__2PRFIN20100702_022329_000000472090_00447_43587_6903.N1	02-JUL-2010 02:23:29	Bright	47.000	168	17Zet Aql	2.9860	11000.	94	43587	No
24	GOM_NL__2PRFIN20100702_023029_000000402090_00447_43587_6904.N1	02-JUL-2010 02:30:29	Bright	40.000	5	3Alp Lyr	0.033000	11000.	80	43587	No
25	GOM_NL__2PRFIN20100702_023456_000000462090_00447_43587_6905.N1	02-JUL-2010 02:34:56	Bright	46.000	144	18Del Cyg	2.8600	11000.	92	43587	No
26	GOM_NL__2PRFIN20100702_023832_000000642090_00447_43587_6906.N1	02-JUL-2010 02:38:32	Bright	63.500	19	50Alp Cyg	1.2460	10500.	127	43587	No
27	GOM_NL__2PRFIN20100702_024158_000000442090_00447_43587_6907.N1	02-JUL-2010 02:41:58	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	43587	No
28	GOM_NL__2PRFIN20100702_024921_000000482090_00447_43587_6908.N1	02-JUL-2010 02:49:21	Bright	48.000	74	11Bet Cas	2.2680	6600.0	96	43587	No
29	GOM_NL__2PRFIN20100702_025056_000000422090_00447_43587_6909.N1	02-JUL-2010 02:50:56	Bright	41.500	110	37Del Cas	2.6780	8900.0	83	43587	No
30	GOM_NL__2PRFIN20100702_025729_000000522090_00447_43587_6910.N1	02-JUL-2010 02:57:29	Bright	51.500	73	57Gam1And	2.2600	13100.	103	43587	No
31	GOM_NL__2PRFIN20100702_030002_000000672090_00447_43587_6911.N1	02-JUL-2010 03:00:02	Twilight	66.500	53	43Bet And	2.0480	3300.0	133	43587	No
32	GOM_NL__2PRFIN20100702_030427_000000632090_00447_43587_6912.N1	02-JUL-2010 03:04:27	Dark	62.500	50	13Alp Ari	2.0070	4250.0	125	43587	No
33	GOM_NL__2PRFIN20100702_032431_000000792090_00447_43587_6913.N1	02-JUL-2010 03:24:31	Dark	78.500	52	16Bet Cet	2.0370	4500.0	157	43587	No
34	GOM_NL__2PRFIN20100702_032850_000000552090_00448_43588_6908.N1	02-JUL-2010 03:28:50	Dark	54.500	84	Alp Phe	2.3970	4500.0	109	43588	No
35	GOM_NL__2PRFIN20100702_033518_000000532090_00448_43588_6909.N1	02-JUL-2010 03:35:18	Straylight	52.500	63	Bet Gru	2.1500	2800.0	105	43588	No
36	GOM_NL__2PRFIN20100702_033701_000000862090_00448_43588_6910.N1	02-JUL-2010 03:37:01	Straylight	86.000	18	24Alp PsA	1.1660	9700.0	172	43588	No
37	GOM_NL__2PRFIN20100702_034009_000000562090_00448_43588_6911.N1	02-JUL-2010 03:40:09	Straylight	55.500	172	Gam Gru	3.0030	13100.	111	43588	No
38	GOM_NL__2PRFIN20100702_035142_000000462090_00448_43588_6912.N1	02-JUL-2010 03:51:42	Bright	46.000	155	41Pi Sgr	2.9000	6600.0	92	43588	No
39	GOM_NL__2PRFIN20100702_040404_000000492090_00448_43588_6913.N1	02-JUL-2010 04:04:04	Bright	48.500	168	17Zet Aql	2.9860	11000.	97	43588	No
40	GOM_NL__2PRFIN20100702_041104_000000432090_00448_43588_6914.N1	02-JUL-2010 04:11:04	Bright	42.500	5	3Alp Lyr	0.033000	11000.	85	43588	No
41	GOM_NL__2PRFIN20100702_041531_000000482090_00448_43588_6915.N1	02-JUL-2010 04:15:31	Bright	48.000	144	18Del Cyg	2.8600	11000.	96	43588	No
42	GOM_NL__2PRFIN20100702_041907_000000602090_00448_43588_6916.N1	02-JUL-2010 04:19:07	Bright	60.000	19	50Alp Cyg	1.2460	10500.	120	43588	No

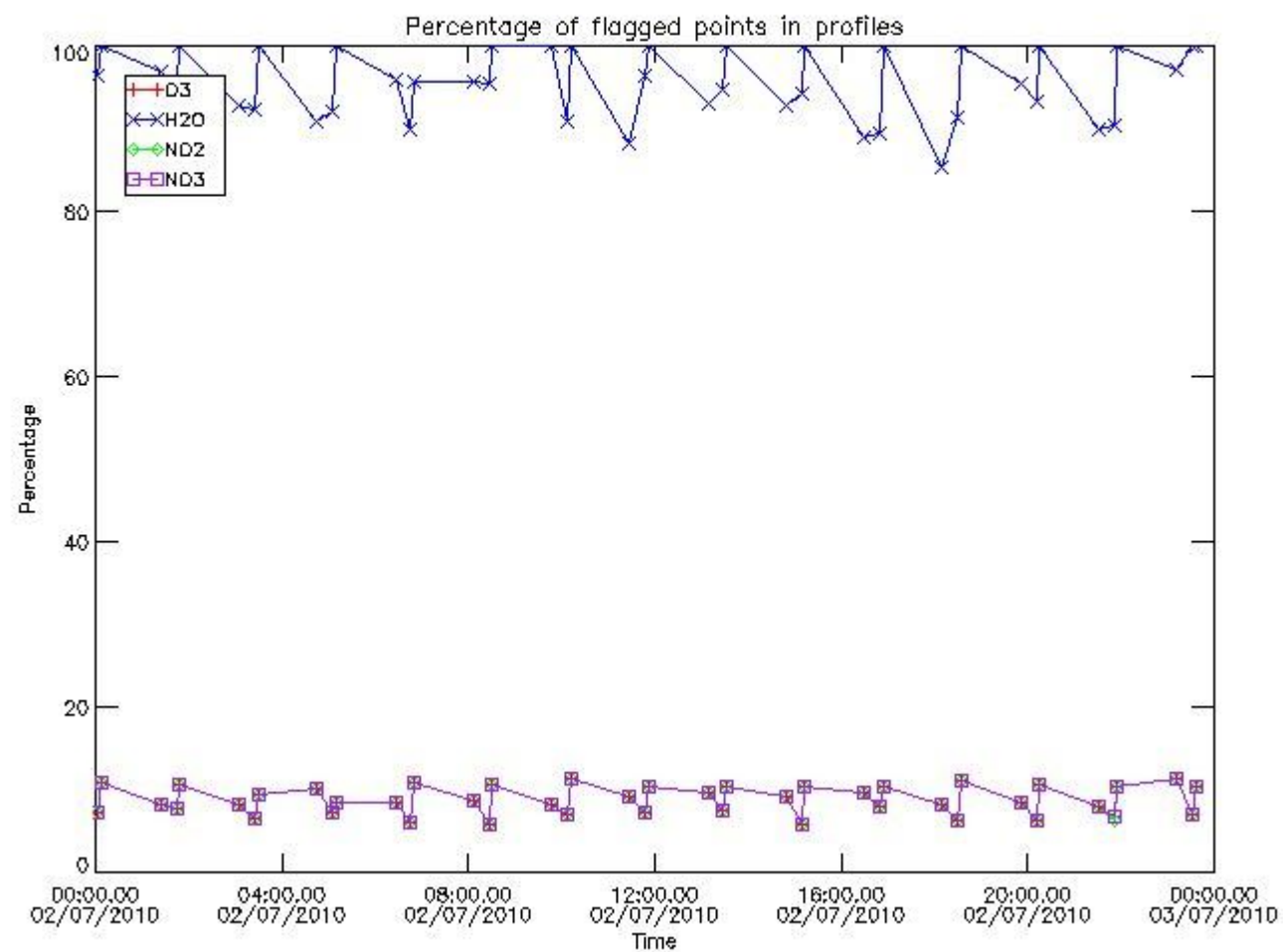
43	GOM_NL__2PRFIN20100702_042234_000000442090_00448_43588_6917.N1	02-JUL-2010 04:22:34	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	43588	No
44	GOM_NL__2PRFIN20100702_042957_000000482090_00448_43588_6918.N1	02-JUL-2010 04:29:57	Bright	48.000	74	11Bet Cas	2.2680	6600.0	96	43588	No
45	GOM_NL__2PRFIN20100702_043132_000000592090_00448_43588_6919.N1	02-JUL-2010 04:31:32	Bright	58.500	110	37Del Cas	2.6780	8900.0	117	43588	No
46	GOM_NL__2PRFIN20100702_043805_000000502090_00448_43588_6920.N1	02-JUL-2010 04:38:05	Bright	49.500	73	57Gam1And	2.2600	13100.	99	43588	No
47	GOM_NL__2PRFIN20100702_044039_000000682090_00448_43588_6921.N1	02-JUL-2010 04:40:39	Twi_and_stray	68.000	53	43Bet And	2.0480	3300.0	136	43588	No
48	GOM_NL__2PRFIN20100702_044503_000000612090_00448_43588_6922.N1	02-JUL-2010 04:45:03	Dark	61.000	50	13Alp Ari	2.0070	4250.0	122	43588	No
49	GOM_NL__2PRFIN20100702_050509_000000702090_00448_43588_6923.N1	02-JUL-2010 05:05:09	Dark	69.500	52	16Bet Cet	2.0370	4500.0	139	43588	No
50	GOM_NL__2PRFIN20100702_050927_000000612090_00449_43589_6918.N1	02-JUL-2010 05:09:27	Dark	61.000	84	Alp Phe	2.3970	4500.0	122	43589	No
51	GOM_NL__2PRFIN20100702_051555_000000512090_00449_43589_6919.N1	02-JUL-2010 05:15:55	Straylight	51.000	63	Bet Gru	2.1500	2800.0	102	43589	No
52	GOM_NL__2PRFIN20100702_051738_000000802090_00449_43589_6920.N1	02-JUL-2010 05:17:38	Straylight	79.500	18	24Alp PsA	1.1660	9700.0	159	43589	No
53	GOM_NL__2PRFIN20100702_052046_000000562090_00449_43589_6921.N1	02-JUL-2010 05:20:46	Straylight	56.000	172	Gam Gru	3.0030	13100.	112	43589	No
54	GOM_NL__2PRFIN20100702_053218_000000452090_00449_43589_6922.N1	02-JUL-2010 05:32:18	Bright	45.000	155	41Pi Sgr	2.9000	6600.0	90	43589	No
55	GOM_NL__2PRFIN20100702_054440_000000492090_00449_43589_6923.N1	02-JUL-2010 05:44:40	Bright	49.000	168	17Zet Aql	2.9860	11000.	98	43589	No
56	GOM_NL__2PRFIN20100702_055140_000000482090_00449_43589_6924.N1	02-JUL-2010 05:51:40	Bright	47.500	5	3Alp Lyr	0.033000	11000.	95	43589	No
57	GOM_NL__2PRFIN20100702_055606_000000492090_00449_43589_6925.N1	02-JUL-2010 05:56:06	Bright	48.500	144	18Del Cyg	2.8600	11000.	97	43589	No
58	GOM_NL__2PRFIN20100702_055941_000000612090_00449_43589_6926.N1	02-JUL-2010 05:59:41	Bright	60.500	19	50Alp Cyg	1.2460	10500.	121	43589	No
59	GOM_NL__2PRFIN20100702_060309_000000452090_00449_43589_6927.N1	02-JUL-2010 06:03:09	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	43589	No
60	GOM_NL__2PRFIN20100702_061033_000000702090_00449_43589_6928.N1	02-JUL-2010 06:10:33	Bright	70.000	74	11Bet Cas	2.2680	6600.0	140	43589	No
61	GOM_NL__2PRFIN20100702_061208_000000432090_00449_43589_6929.N1	02-JUL-2010 06:12:08	Bright	42.500	110	37Del Cas	2.6780	8900.0	85	43589	No
62	GOM_NL__2PRFIN20100702_061841_000000512090_00449_43589_6930.N1	02-JUL-2010 06:18:41	Bright	51.000	73	57Gam1And	2.2600	13100.	102	43589	No
63	GOM_NL__2PRFIN20100702_062115_000000772090_00449_43589_6931.N1	02-JUL-2010 06:21:15	Twi_and_stray	77.000	53	43Bet And	2.0480	3300.0	154	43589	No
64	GOM_NL__2PRFIN20100702_062539_000000602090_00449_43589_6932.N1	02-JUL-2010 06:25:39	Dark	60.000	50	13Alp Ari	2.0070	4250.0	120	43589	No
65	GOM_NL__2PRFIN20100702_064547_000000852090_00449_43589_6933.N1	02-JUL-2010 06:45:47	Dark	85.000	52	16Bet Cet	2.0370	4500.0	170	43589	No
66	GOM_NL__2PRFIN20100702_065004_000000482090_00450_43590_6946.N1	02-JUL-2010 06:50:04	Dark	47.500	84	Alp Phe	2.3970	4500.0	95	43590	No
67	GOM_NL__2PRFIN20100702_065632_000000582090_00450_43590_6947.N1	02-JUL-2010 06:56:32	Straylight	57.500	63	Bet Gru	2.1500	2800.0	115	43590	No
68	GOM_NL__2PRFIN20100702_065816_000000782090_00450_43590_6948.N1	02-JUL-2010 06:58:16	Straylight	78.000	18	24Alp PsA	1.1660	9700.0	156	43590	No
69	GOM_NL__2PRFIN20100702_070123_000000542090_00450_43590_6949.N1	02-JUL-2010 07:01:23	Straylight	54.000	172	Gam Gru	3.0030	13100.	108	43590	No
70	GOM_NL__2PRFIN20100702_071255_000000442090_00450_43590_6950.N1	02-JUL-2010 07:12:55	Bright	43.500	155	41Pi Sgr	2.9000	6600.0	87	43590	No
71	GOM_NL__2PRFIN20100702_072515_000000482090_00450_43590_6951.N1	02-JUL-2010 07:25:15	Bright	47.500	168	17Zet Aql	2.9860	11000.	95	43590	No
72	GOM_NL__2PRFIN20100702_073216_000000422090_00450_43590_6952.N1	02-JUL-2010 07:32:16	Bright	41.500	5	3Alp Lyr	0.033000	11000.	83	43590	No
73	GOM_NL__2PRFIN20100702_073641_000000482090_00450_43590_6953.N1	02-JUL-2010 07:36:41	Bright	48.000	144	18Del Cyg	2.8600	11000.	96	43590	No
74	GOM_NL__2PRFIN20100702_074016_000000582090_00450_43590_6954.N1	02-JUL-2010 07:40:16	Bright	57.500	19	50Alp Cyg	1.2460	10500.	115	43590	No
75	GOM_NL__2PRFIN20100702_074345_000000442090_00450_43590_6955.N1	02-JUL-2010 07:43:45	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	43590	No
76	GOM_NL__2PRFIN20100702_075108_000000492090_00450_43590_6956.N1	02-JUL-2010 07:51:08	Bright	49.000	74	11Bet Cas	2.2680	6600.0	98	43590	No
77	GOM_NL__2PRFIN20100702_075243_000000432090_00450_43590_6957.N1	02-JUL-2010 07:52:43	Bright	43.000	110	37Del Cas	2.6780	8900.0	86	43590	No
78	GOM_NL__2PRFIN20100702_075916_000000552090_00450_43590_6958.N1	02-JUL-2010 07:59:16	Bright	54.500	73	57Gam1And	2.2600	13100.	109	43590	No
79	GOM_NL__2PRFIN20100702_080150_000000712090_00450_43590_6959.N1	02-JUL-2010 08:01:50	Twi_and_stray	70.500	53	43Bet And	2.0480	3300.0	141	43590	No
80	GOM_NL__2PRFIN20100702_080616_000000582090_00450_43590_6960.N1	02-JUL-2010 08:06:16	Dark	58.000	50	13Alp Ari	2.0070	4250.0	116	43590	No
81	GOM_NL__2PRFIN20100702_082624_000000872090_00450_43590_6961.N1	02-JUL-2010 08:26:24	Dark	87.000	52	16Bet Cet	2.0370	4500.0	174	43590	No
82	GOM_NL__2PRFIN20100702_083041_000000482090_00451_43591_6978.N1	02-JUL-2010 08:30:41	Dark	48.000	84	Alp Phe	2.3970	4500.0	96	43591	No
83	GOM_NL__2PRFIN20100702_083709_000000512090_00451_43591_6979.N1	02-JUL-2010 08:37:09	Straylight	51.000	63	Bet Gru	2.1500	2800.0	102	43591	No
84	GOM_NL__2PRFIN20100702_083854_000000932090_00451_43591_6980.N1	02-JUL-2010 08:38:54	Straylight	93.000	18	24Alp PsA	1.1660	9700.0	186	43591	No
85	GOM_NL__2PRFIN20100702_084200_000000572090_00451_43591_6981.N1	02-JUL-2010 08:42:00	Straylight	57.000	172	Gam Gru	3.0030	13100.	114	43591	No
86	GOM_NL__2PRFIN20100702_085331_000000452090_00451_43591_6982.N1	02-JUL-2010 08:53:31	Bright	45.000	155	41Pi Sgr	2.9000	6600.0	90	43591	No
87	GOM_NL__2PRFIN20100702_090550_000000472090_00451_43591_6983.N1	02-JUL-2010 09:05:50	Bright	47.000	168	17Zet Aql	2.9860	11000.	94	43591	No
88	GOM_NL__2PRFIN20100702_091251_000000462090_00451_43591_6984.N1	02-JUL-2010 09:12:51	Bright	46.000	5	3Alp Lyr	0.033000	11000.	92	43591	No
89	GOM_NL__2PRFIN20100702_091716_000000492090_00451_43591_6985.N1	02-JUL-2010 09:17:16	Bright	49.000	144	18Del Cyg	2.8600	11000.	98	43591	No
90	GOM_NL__2PRFIN20100702_092051_000000612090_00451_43591_6986.N1	02-JUL-2010 09:20:51	Bright	60.500	19	50Alp Cyg	1.2460	10500.	121	43591	No
91	GOM_NL__2PRFIN20100702_092420_000000472090_00451_43591_6987.N1	02-JUL-2010 09:24:20	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	43591	No
92	GOM_NL__2PRFIN20100702_093143_000000512090_00451_43591_6988.N1	02-JUL-2010 09:31:43	Bright	51.000	74	11Bet Cas	2.2680	6600.0	102	43591	No
93	GOM_NL__2PRFIN20100702_093319_000000432090_00451_43591_6989.N1	02-JUL-2010 09:33:19	Bright	42.500	110	37Del Cas	2.6780	8900.0	85	43591	No
94	GOM_NL__2PRFIN20100702_093952_000000522090_00451_43591_6990.N1	02-JUL-2010 09:39:52	Bright	52.000	73	57Gam1And	2.2600	13100.	104	43591	No
95	GOM_NL__2PRFIN20100702_094227_000000772090_00451_43591_6991.N1	02-JUL-2010 09:42:27	Twi_and_stray	76.500	53	43Bet And	2.0480	3300.0	153	43591	No
96	GOM_NL__2PRFIN20100702_094652_000000622090_00451_43591_6992.N1	02-JUL-2010 09:46:52	Dark	62.000	50	13Alp Ari	2.0070	4250.0	124	43591	No
97	GOM_NL__2PRFIN20100702_100702_000000722090_00451_43591_6993.N1	02-JUL-2010 10:07:02	Dark	72.000	52	16Bet Cet	2.0370	4500.0	144	43591	No
98	GOM_NL__2PRFIN20100702_101118_000000502090_00452_43592_7006.N1	02-JUL-2010 10:11:18	Dark	49.500	84	Alp Phe	2.3970	4500.0	99	43592	No
99	GOM_NL__2PRFIN20100702_101746_000000532090_00452_43592_7007.N1	02-JUL-2010 10:17:46	Straylight	52.500	63	Bet Gru	2.1500	2800.0	105	43592	No
100	GOM_NL__2PRFIN20100702_101931_000000822090_00452_43592_7008.N1	02-JUL-2010 10:19:31	Straylight	82.000	18	24Alp PsA	1.1660	9700.0	164	43592	No
101	GOM_NL__2PRFIN20100702_102237_000000562090_00452_43592_7009.N1	02-JUL-2010 10:22:37	Straylight	56.000	172	Gam Gru	3.0030	13100.	112	43592	No

220	GOM_NL__2PRFIN20100702_225626_000000492090_00459_43599_7224.N1	02-JUL-2010 22:56:26	Bright	48.500	74	11Bet Cas	2.2680	6600.0	97	43599	No
221	GOM_NL__2PRFIN20100702_225804_000000432090_00459_43599_7225.N1	02-JUL-2010 22:58:04	Bright	42.500	110	37Del Cas	2.6780	8900.0	85	43599	No
222	GOM_NL__2PRFIN20100702_230439_000000532090_00459_43599_7226.N1	02-JUL-2010 23:04:39	Bright	53.000	73	57Gam1And	2.2600	13100.	106	43599	No
223	GOM_NL__2PRFIN20100702_230714_000000742090_00459_43599_7227.N1	02-JUL-2010 23:07:14	Twilight	74.000	53	43Bet And	2.0480	3300.0	148	43599	No
224	GOM_NL__2PRFIN20100702_231142_000000672090_00459_43599_7228.N1	02-JUL-2010 23:11:42	Dark	66.500	50	13Alp Ari	2.0070	4250.0	133	43599	No
225	GOM_NL__2PRFIN20100702_233205_000000732090_00459_43599_7229.N1	02-JUL-2010 23:32:05	Dark	73.000	52	16Bet Cet	2.0370	4500.0	146	43599	No
226	GOM_NL__2PRFIN20100702_233614_000000502090_00460_43600_7226.N1	02-JUL-2010 23:36:14	Dark	49.500	84	Alp Phe	2.3970	4500.0	99	43600	No
227	GOM_NL__2PRFIN20100702_234241_000000542090_00460_43600_7227.N1	02-JUL-2010 23:42:41	Straylight	53.500	63	Bet Gru	2.1500	2800.0	107	43600	No
228	GOM_NL__2PRFIN20100702_234433_000000782090_00460_43600_7228.N1	02-JUL-2010 23:44:33	Straylight	77.500	18	24Alp PsA	1.1660	9700.0	155	43600	No
229	GOM_NL__2PRFIN20100702_234733_000000572090_00460_43600_7229.N1	02-JUL-2010 23:47:33	Straylight	57.000	172	Gam Gru	3.0030	13100.	114	43600	No
230	GOM_NL__2PRFIN20100702_235856_000000452090_00460_43600_7230.N1	02-JUL-2010 23:58:56	Bright	45.000	155	41Pi Sgr	2.9000	6600.0	90	43600	No

3. Quality information per product

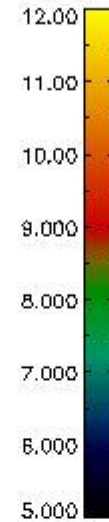
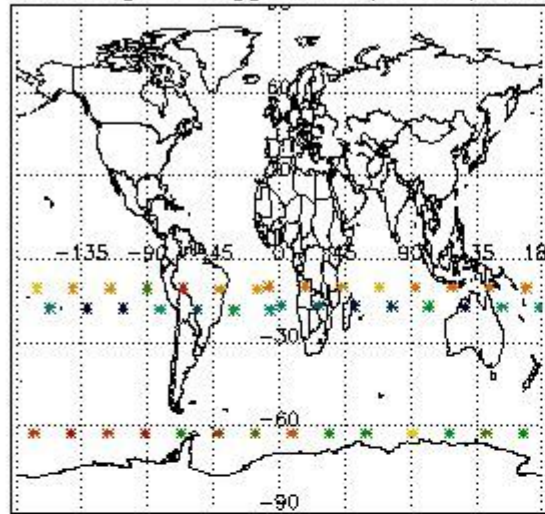
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

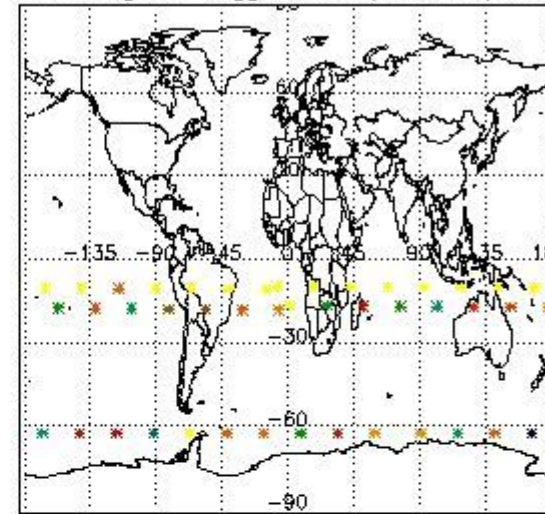


3.2 Plot quality information per product (world map)

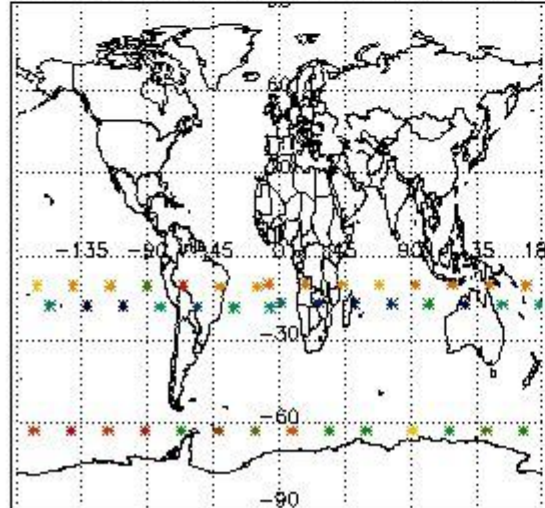
Percentage of flagged data per O3 profile



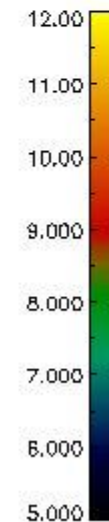
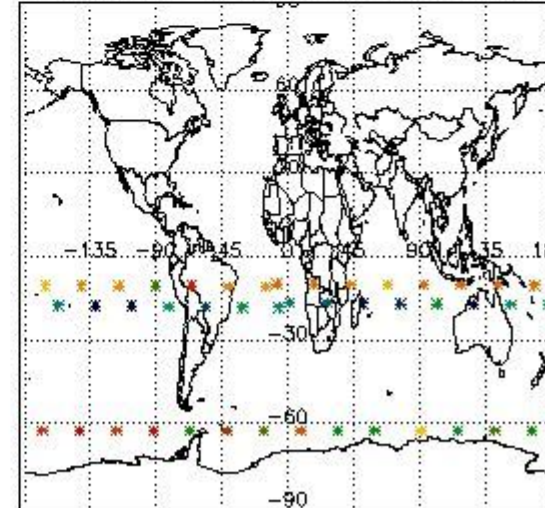
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

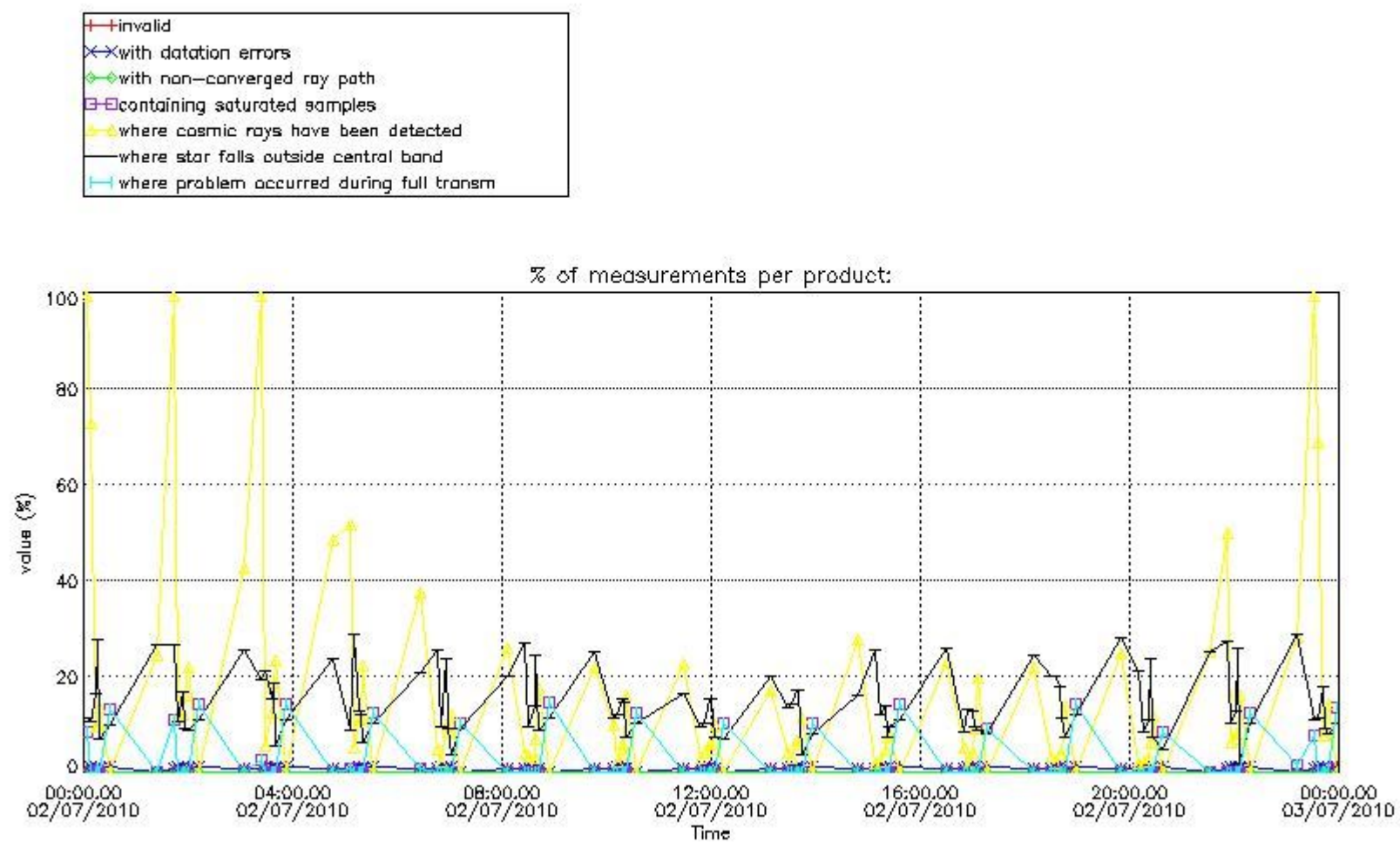


4. Level 1 quality information per product

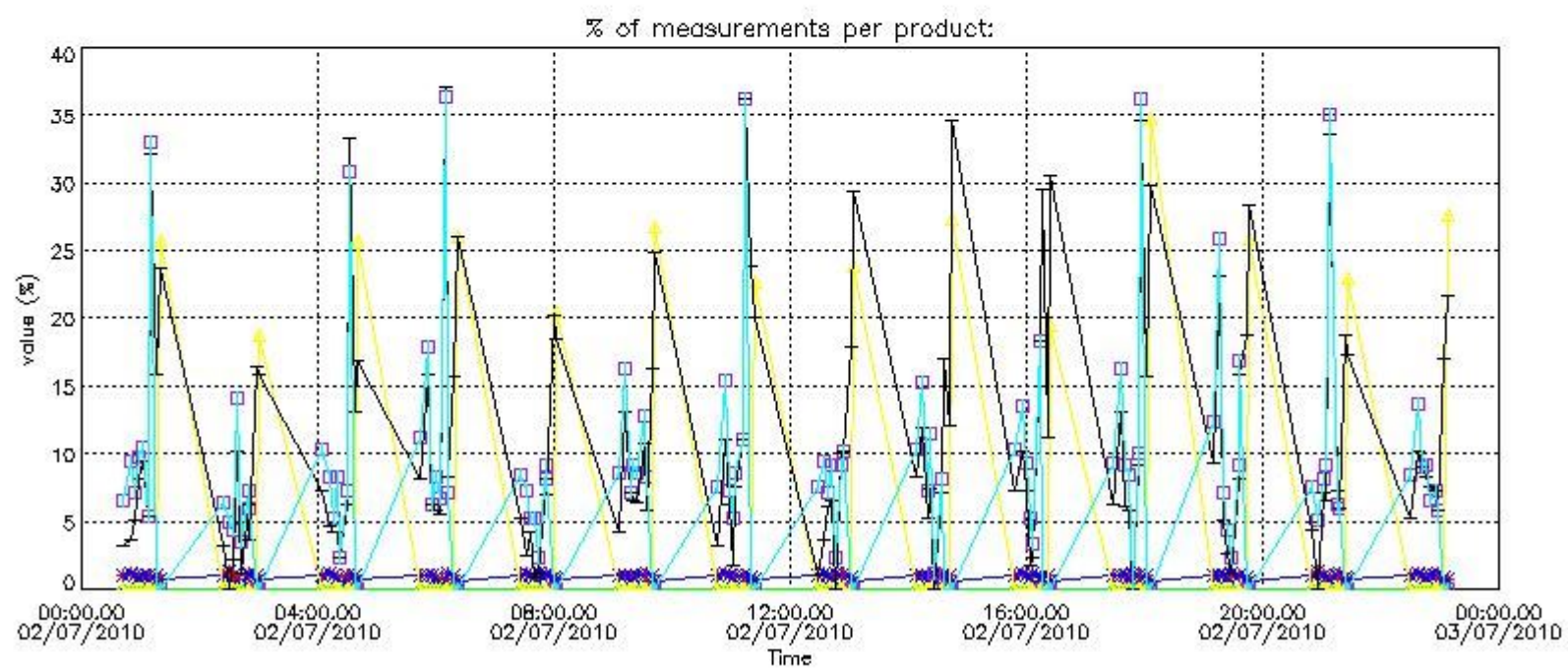
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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

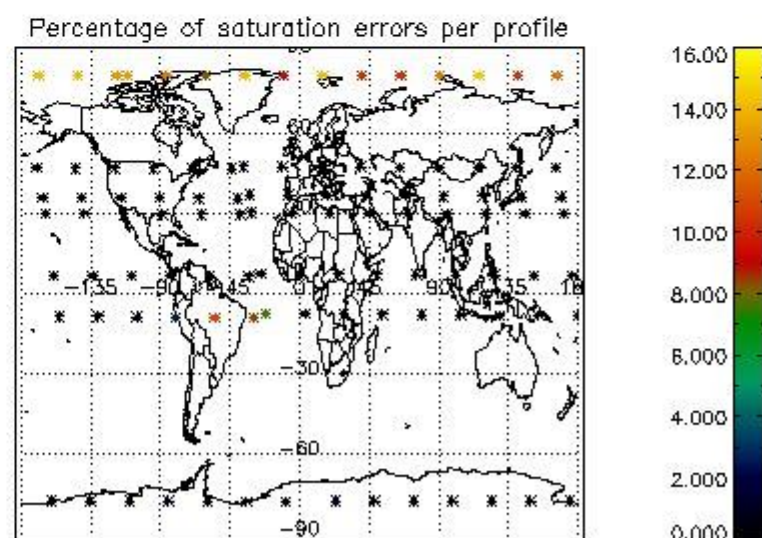
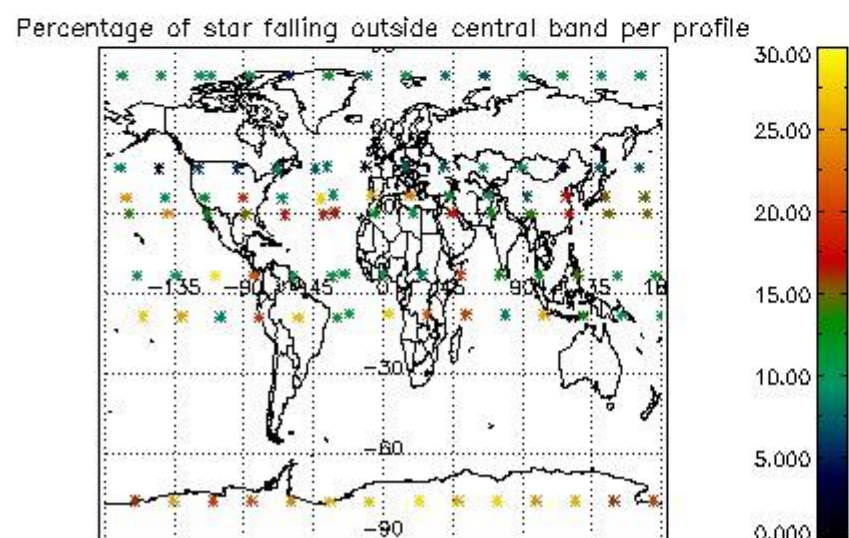
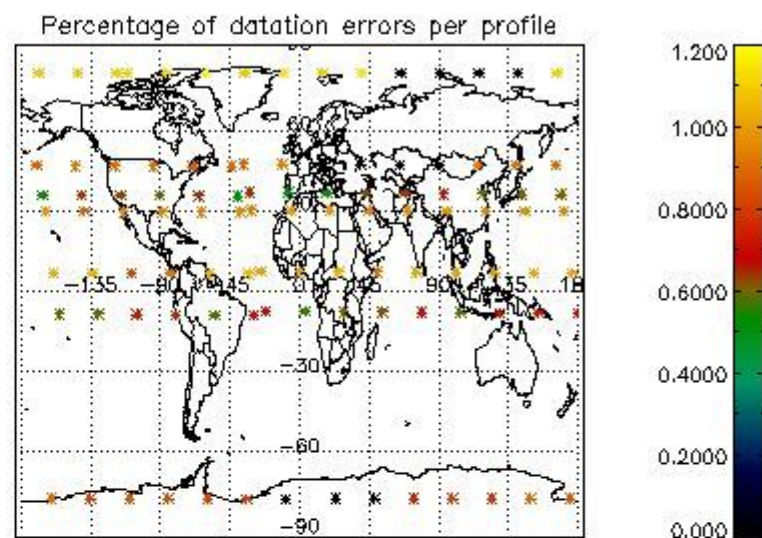
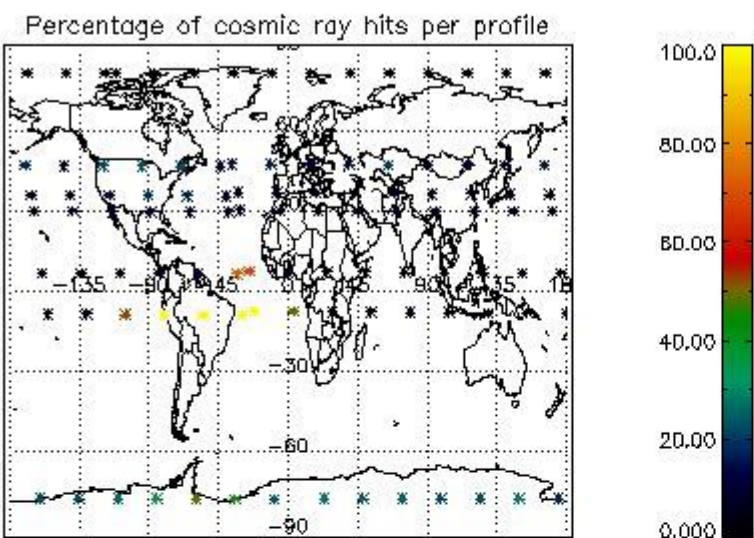


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

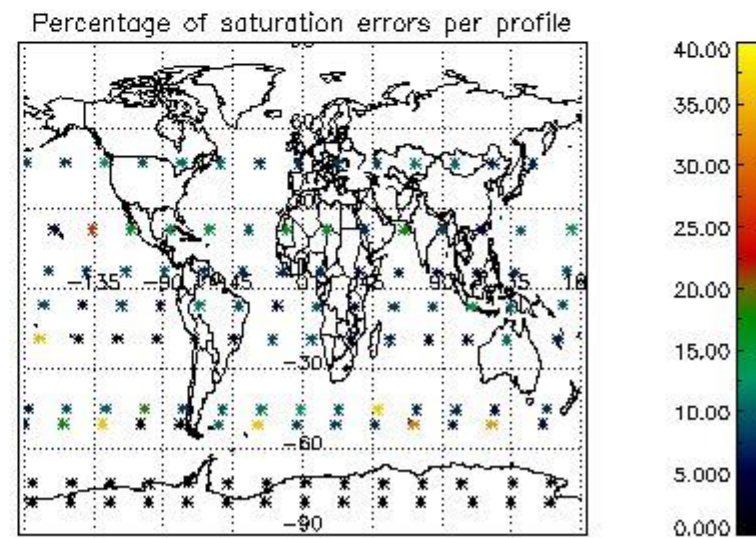
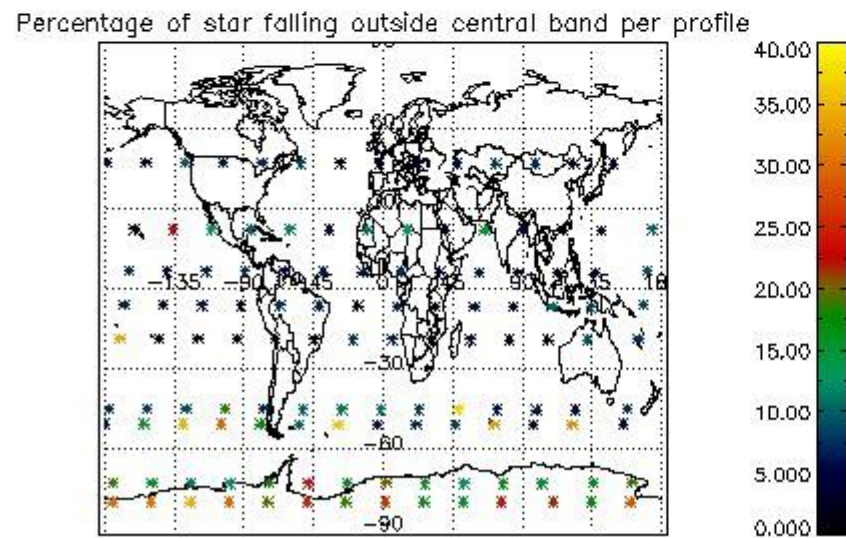
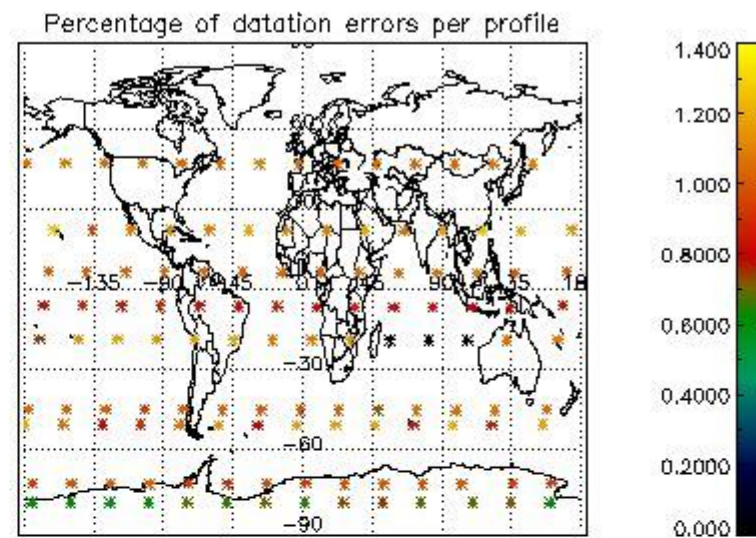
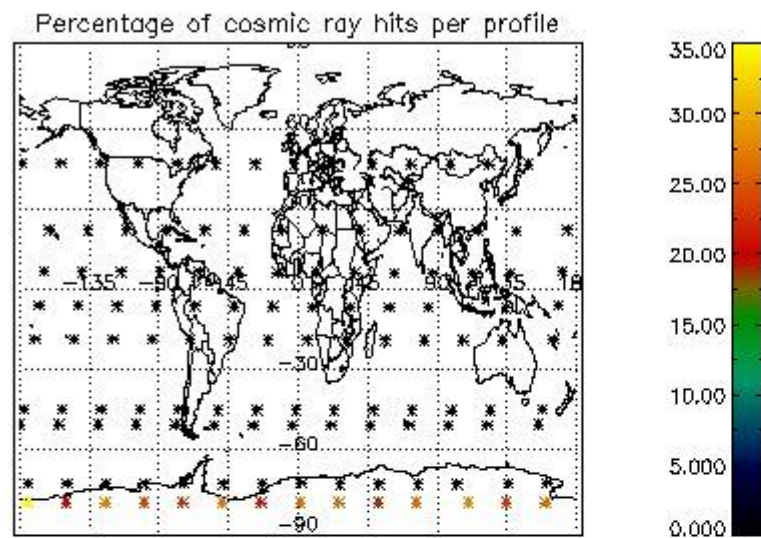


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

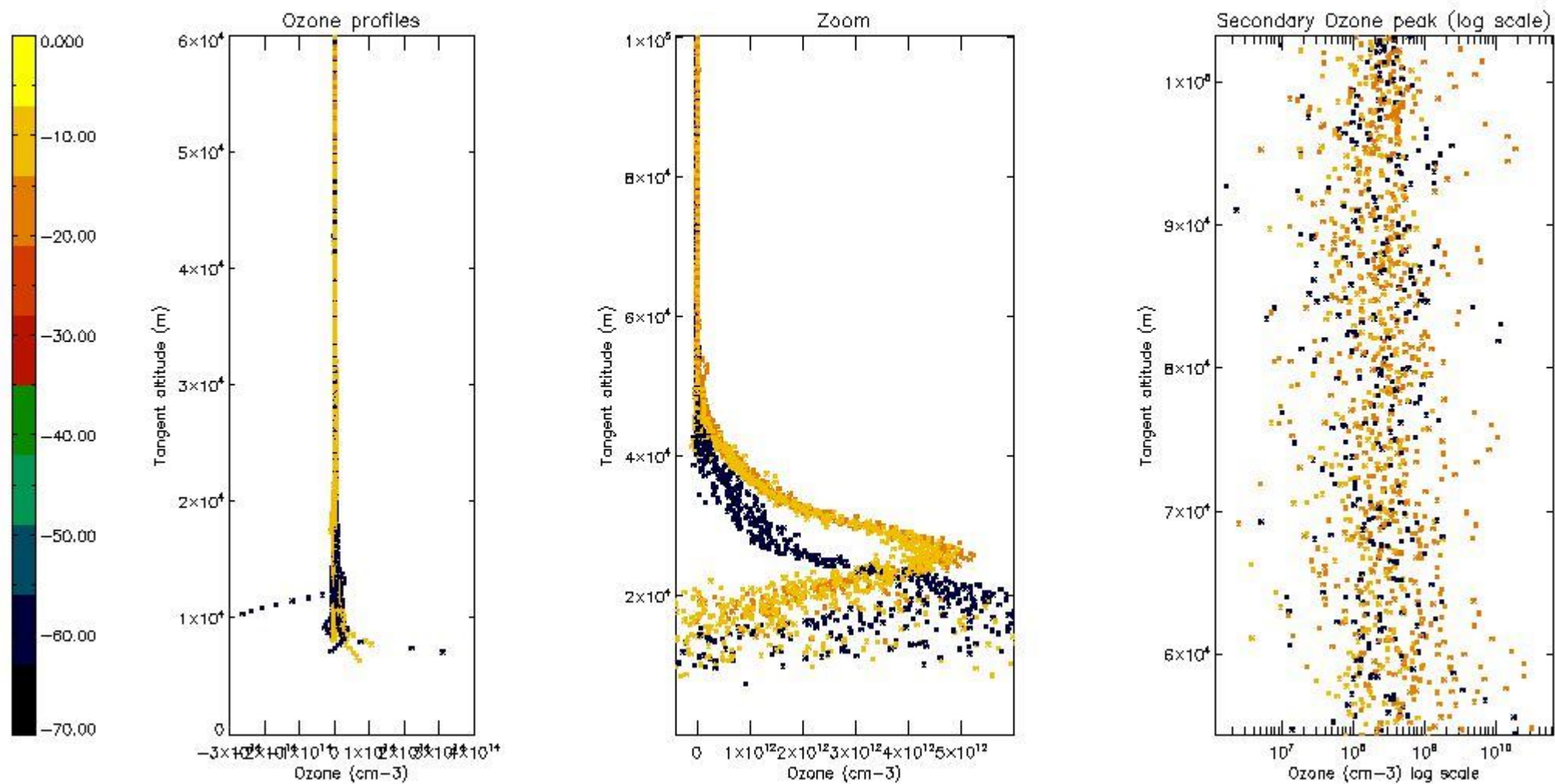
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	22
STD < 20	6

STD < 10	3
STD < 5	1

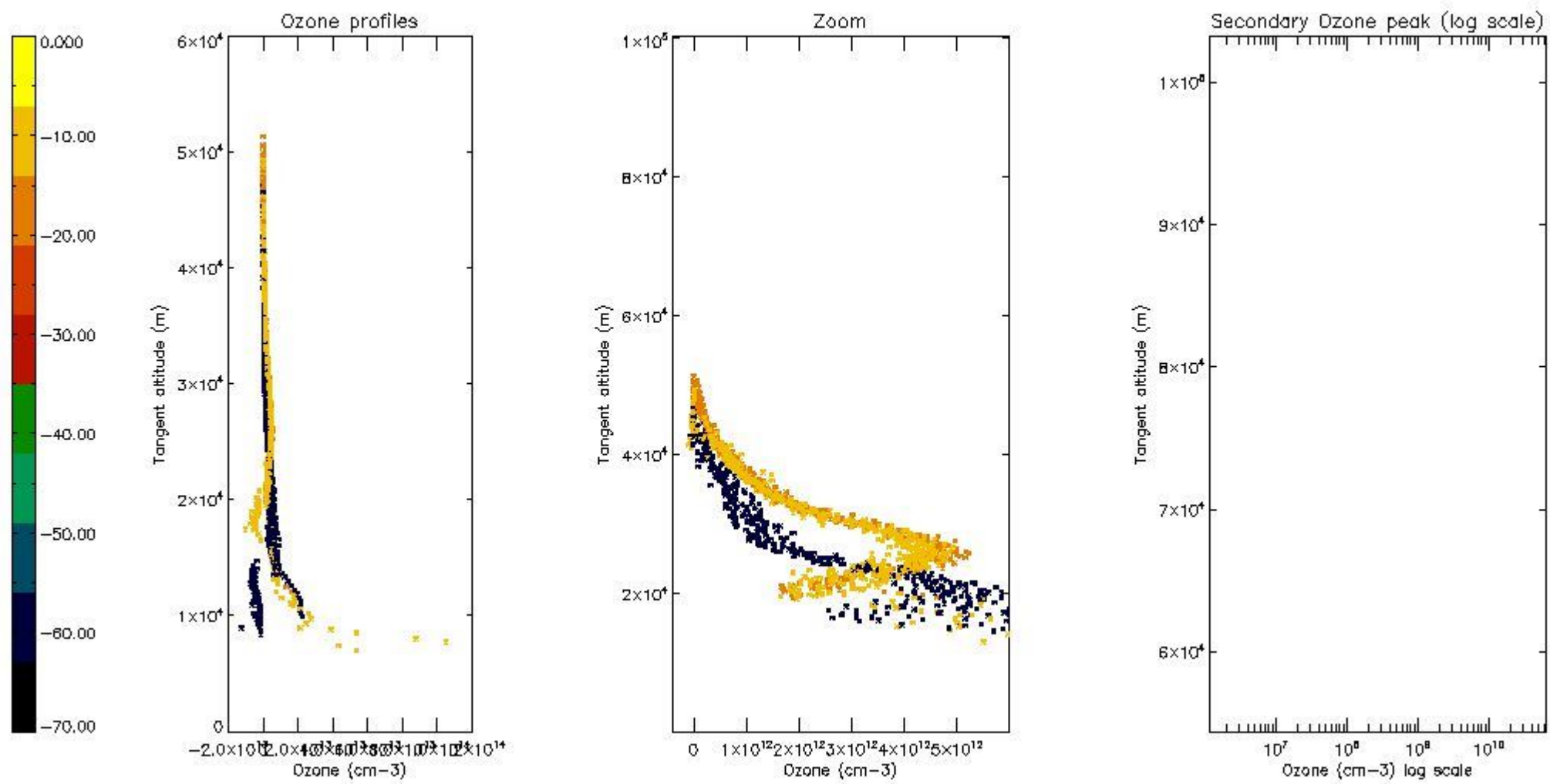
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



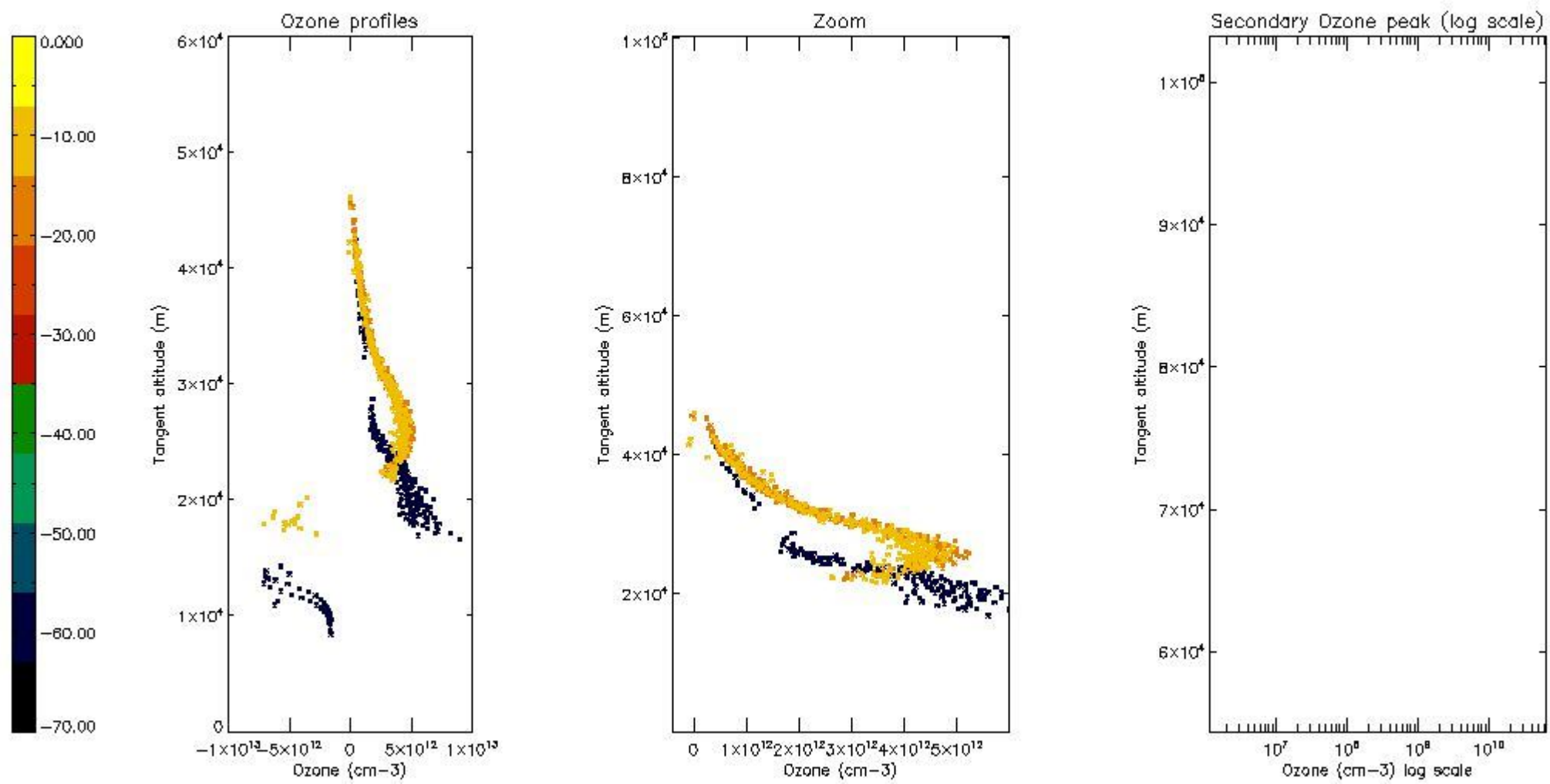
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



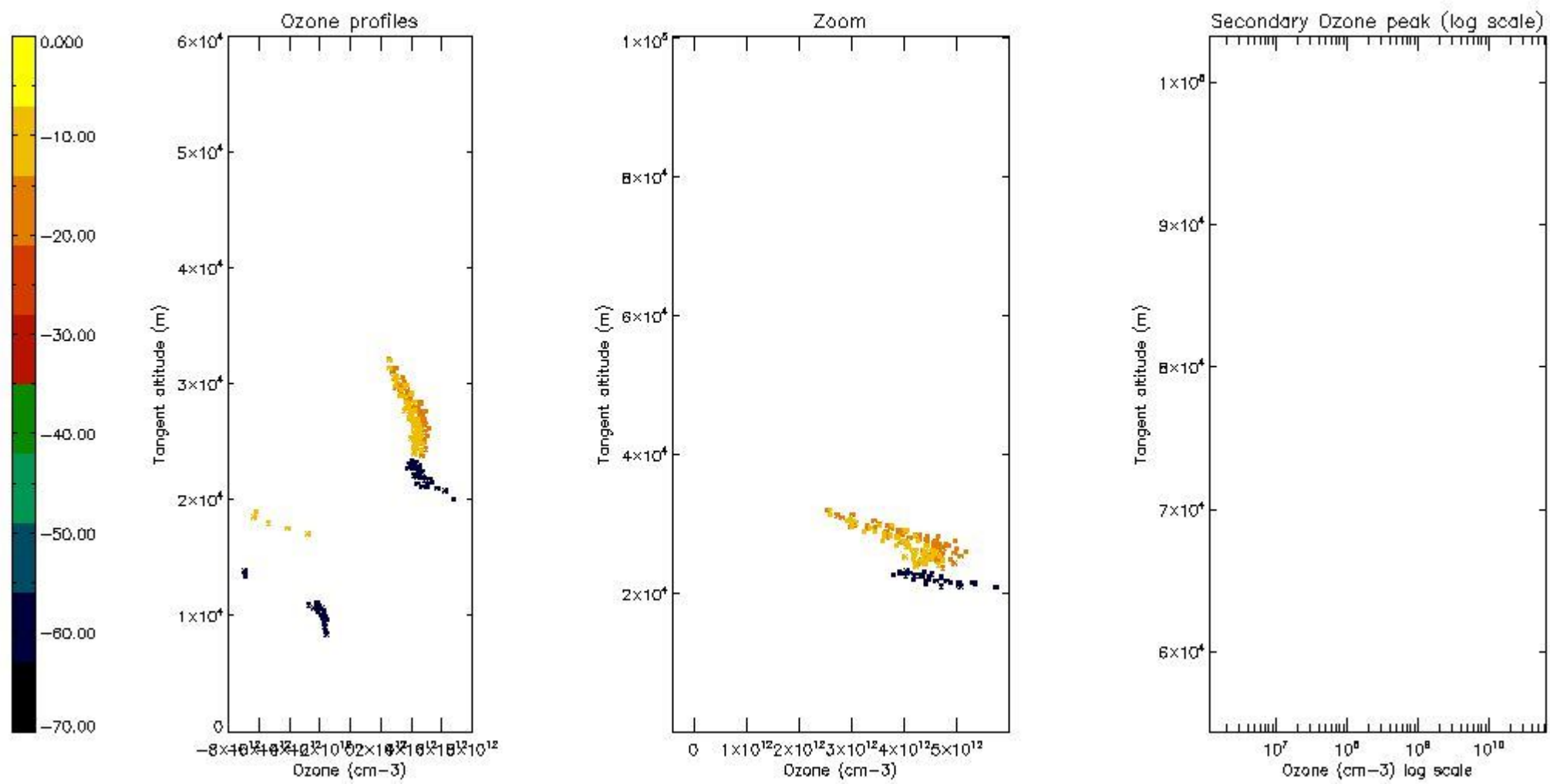
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



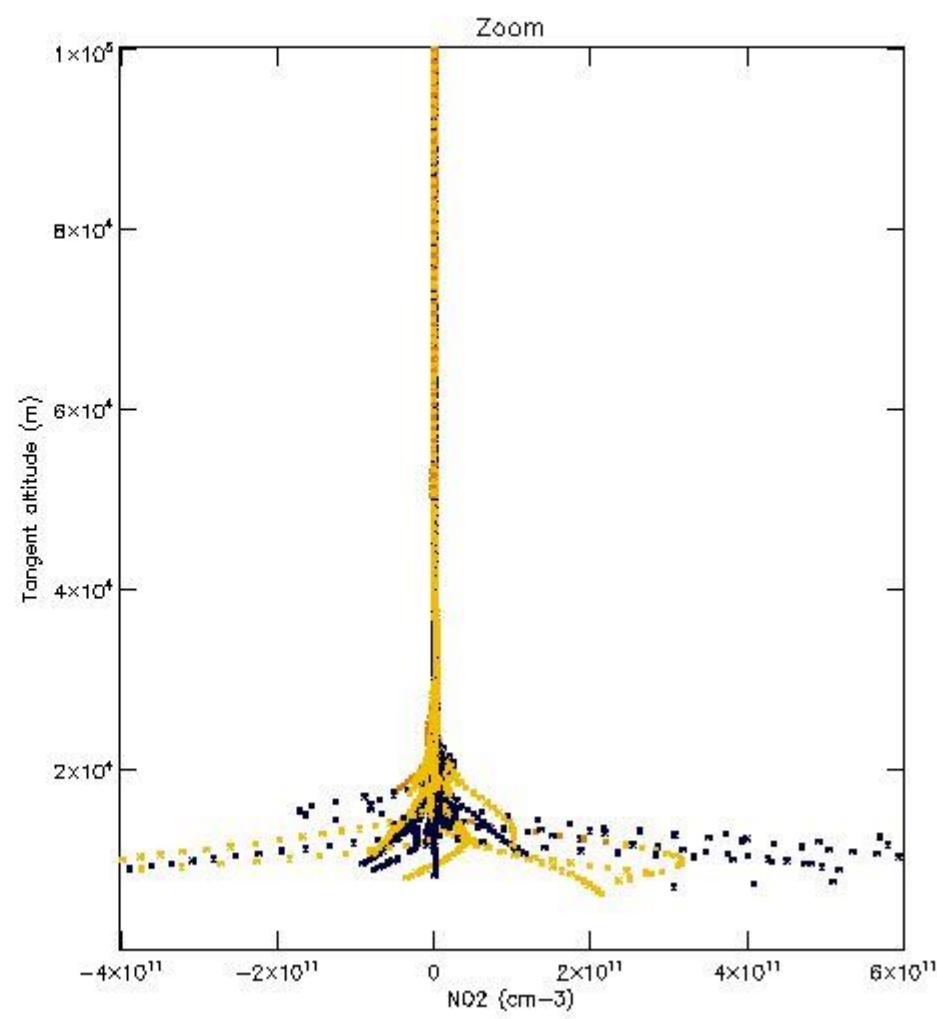
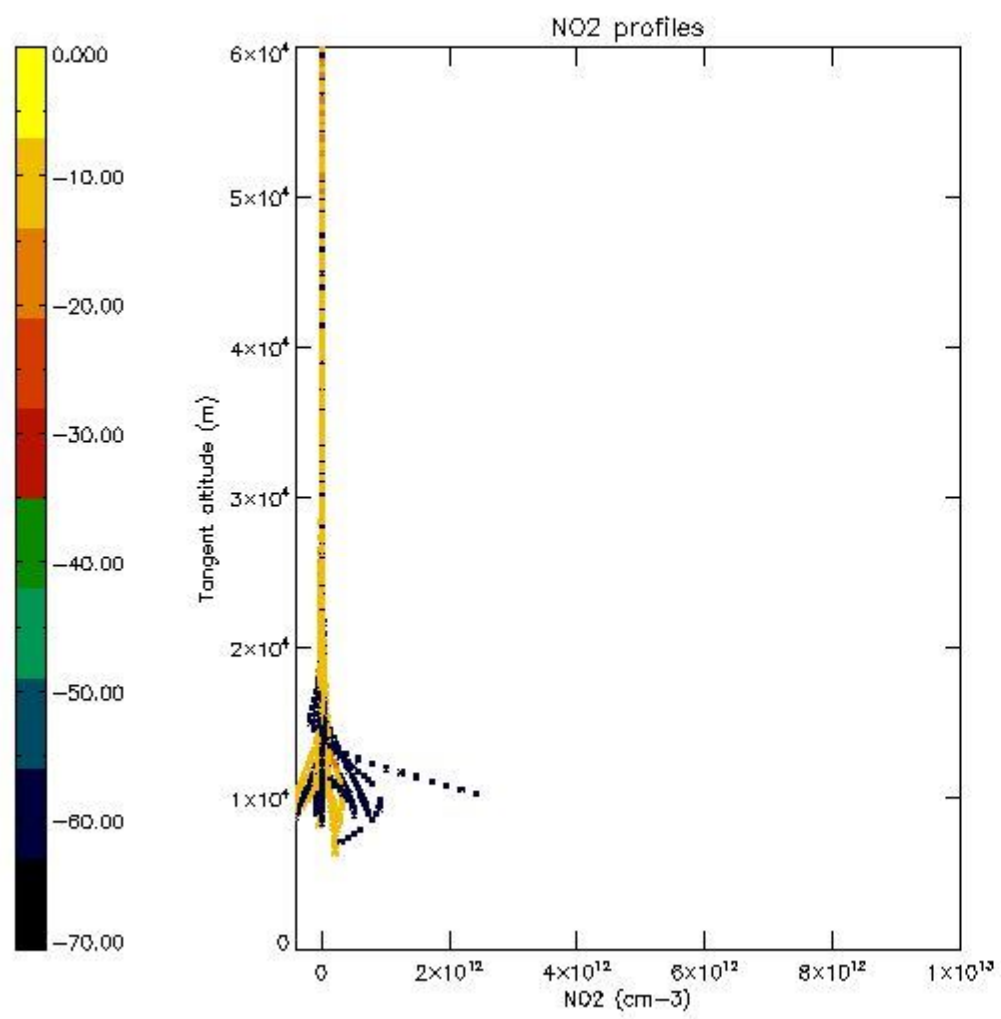
5.5 Plot ozone profiles where $STD < 5\%$ (dark without errors)

The colorbar represents the latitude.



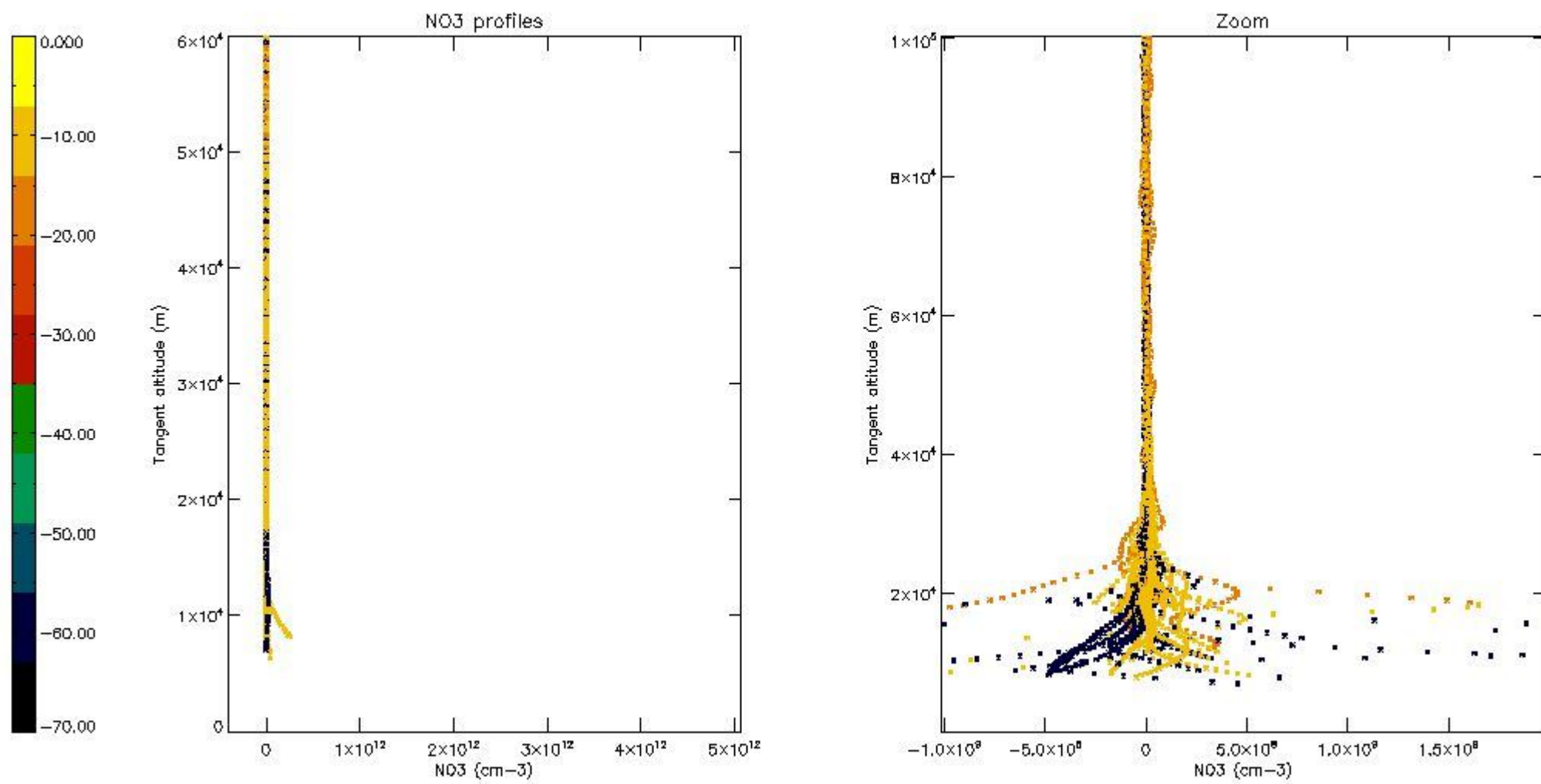
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



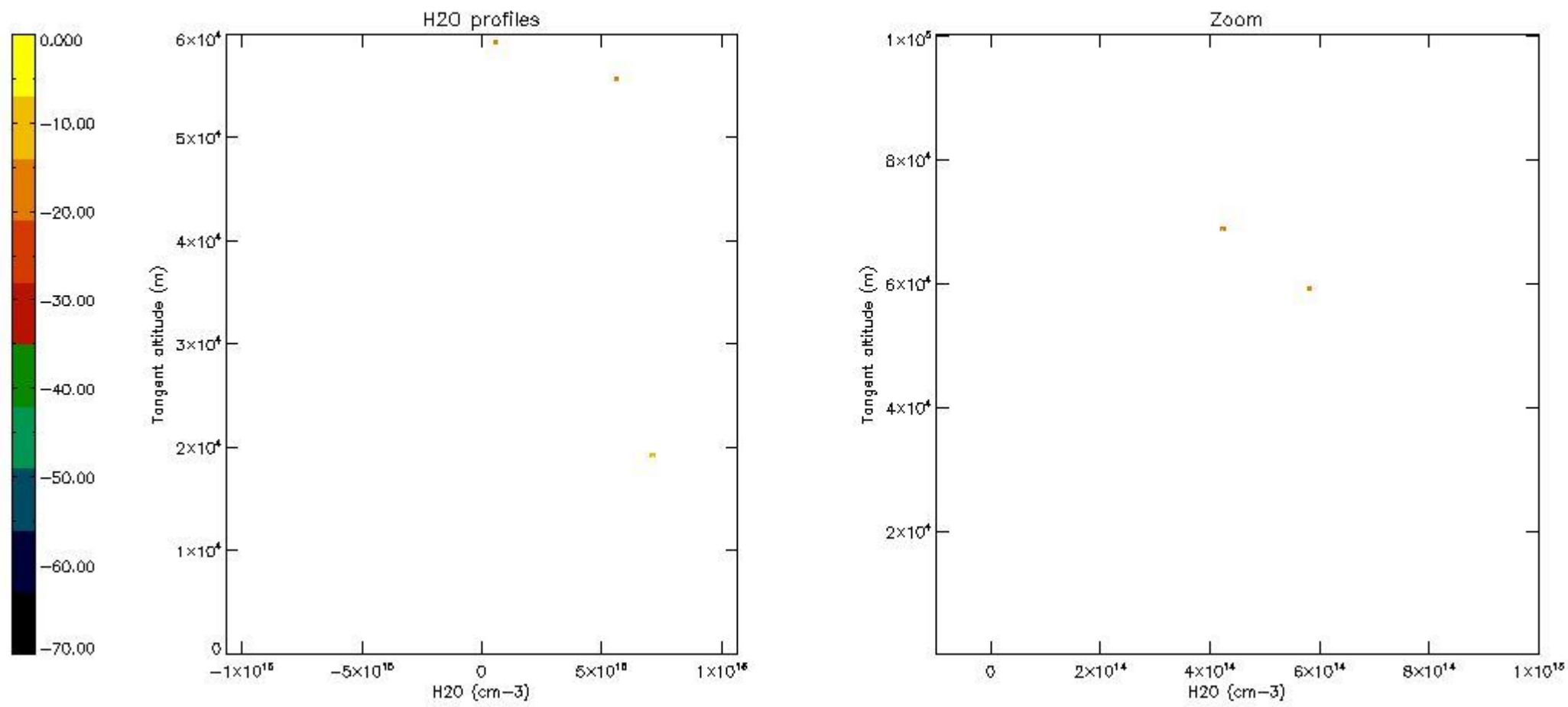
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

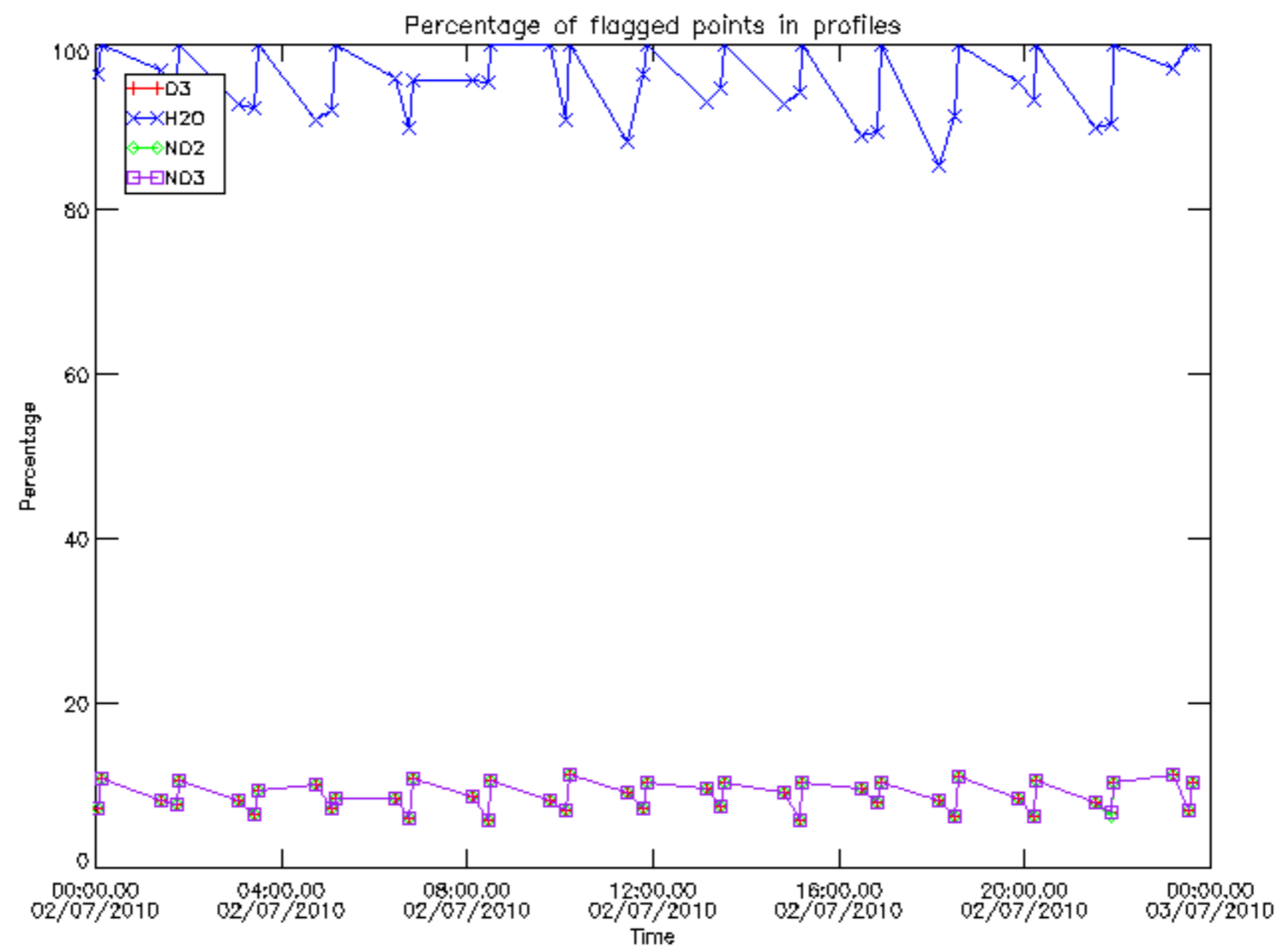
The colorbar represents the latitude.



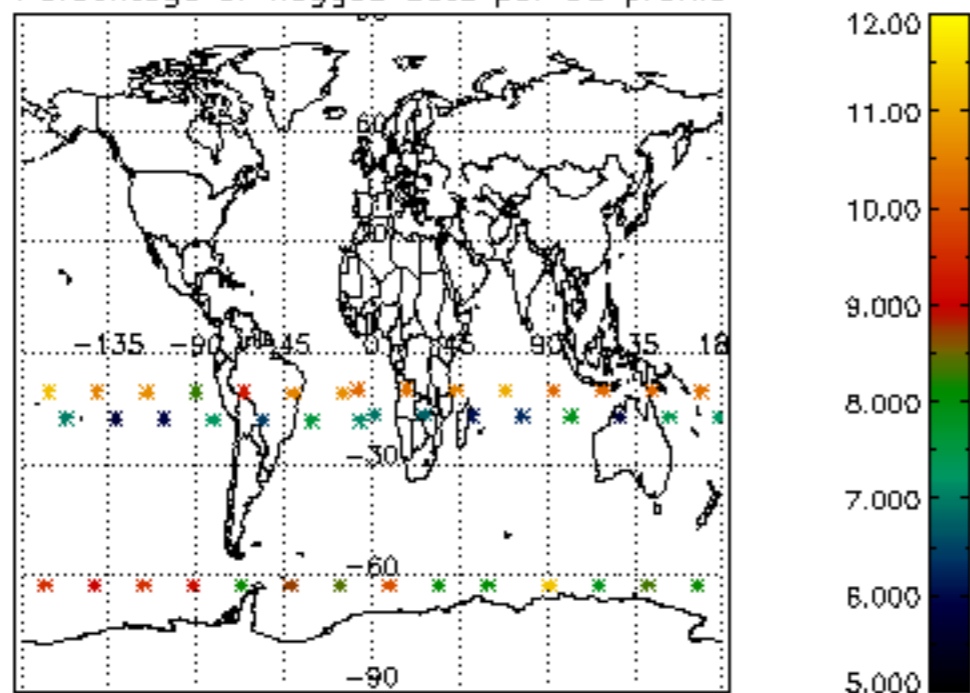
6. Auxiliary Data Files used for the production reported in section 2

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.

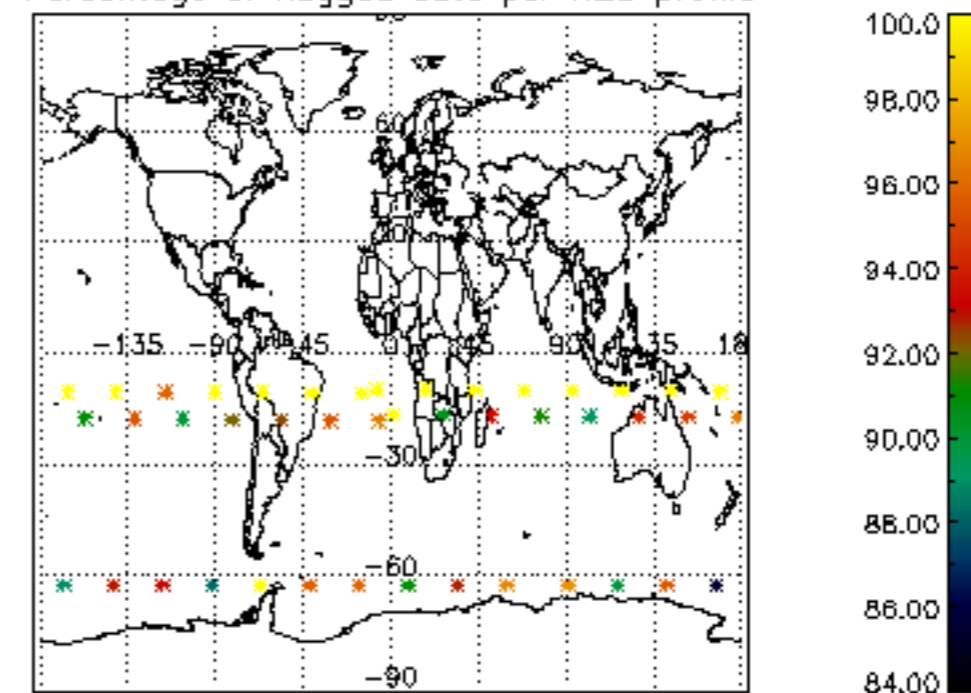
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	02-JUL-2010 00:03:15
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	02-JUL-2010 00:03:15
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	02-JUL-2010 00:03:15



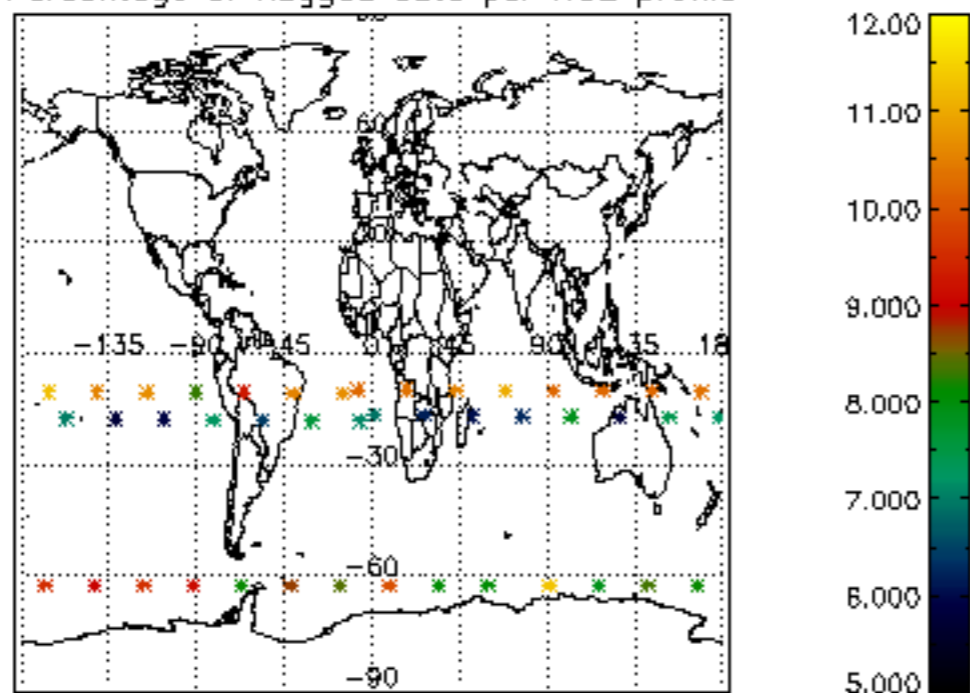
Percentage of flagged data per D3 profile



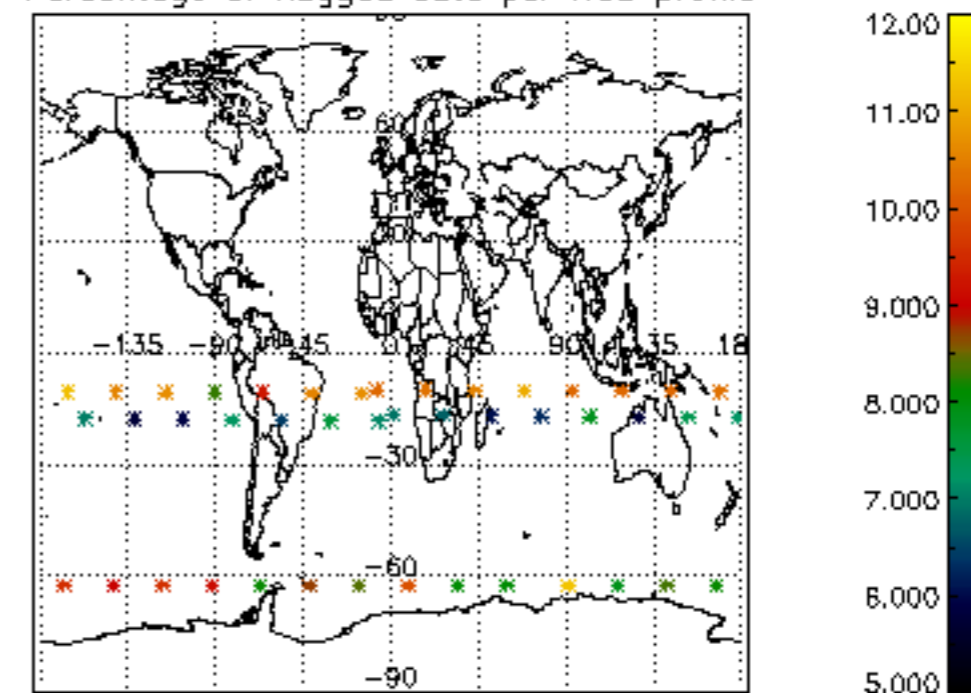
Percentage of flagged data per H2O profile

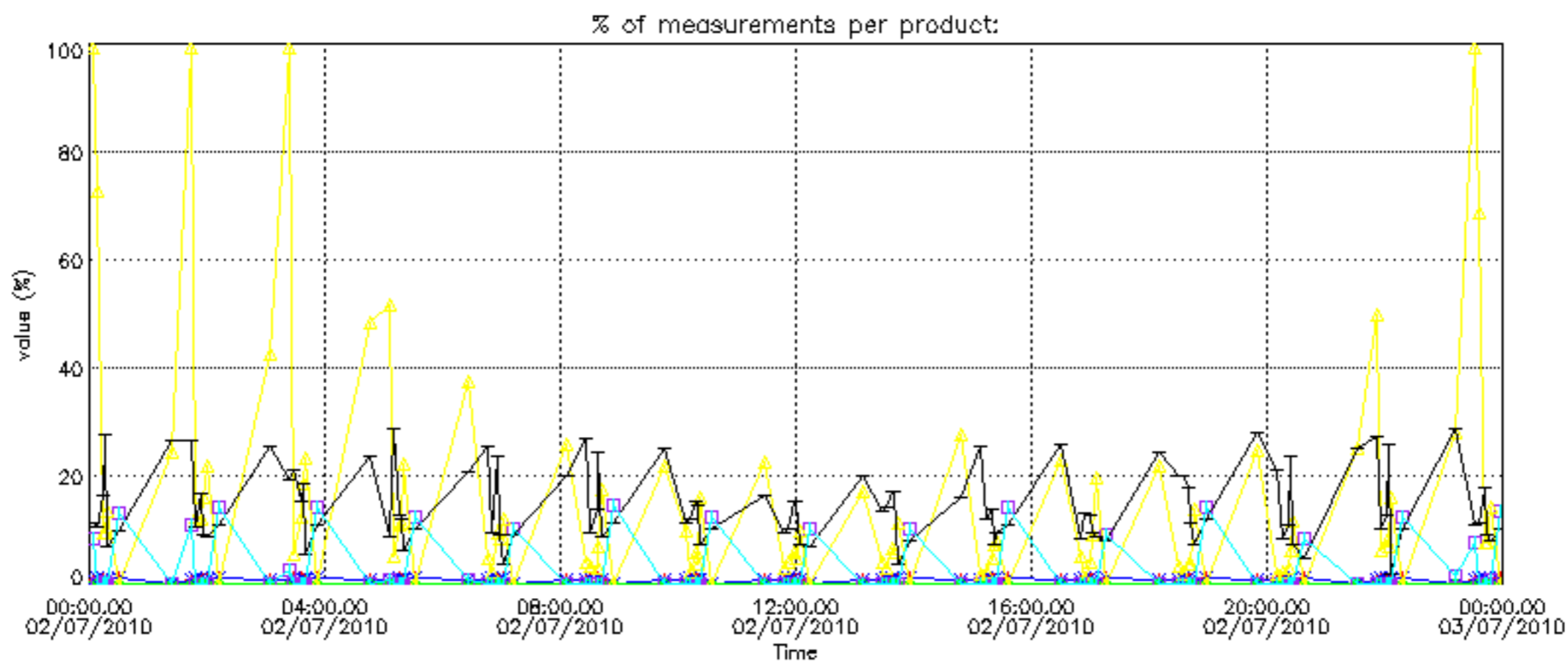


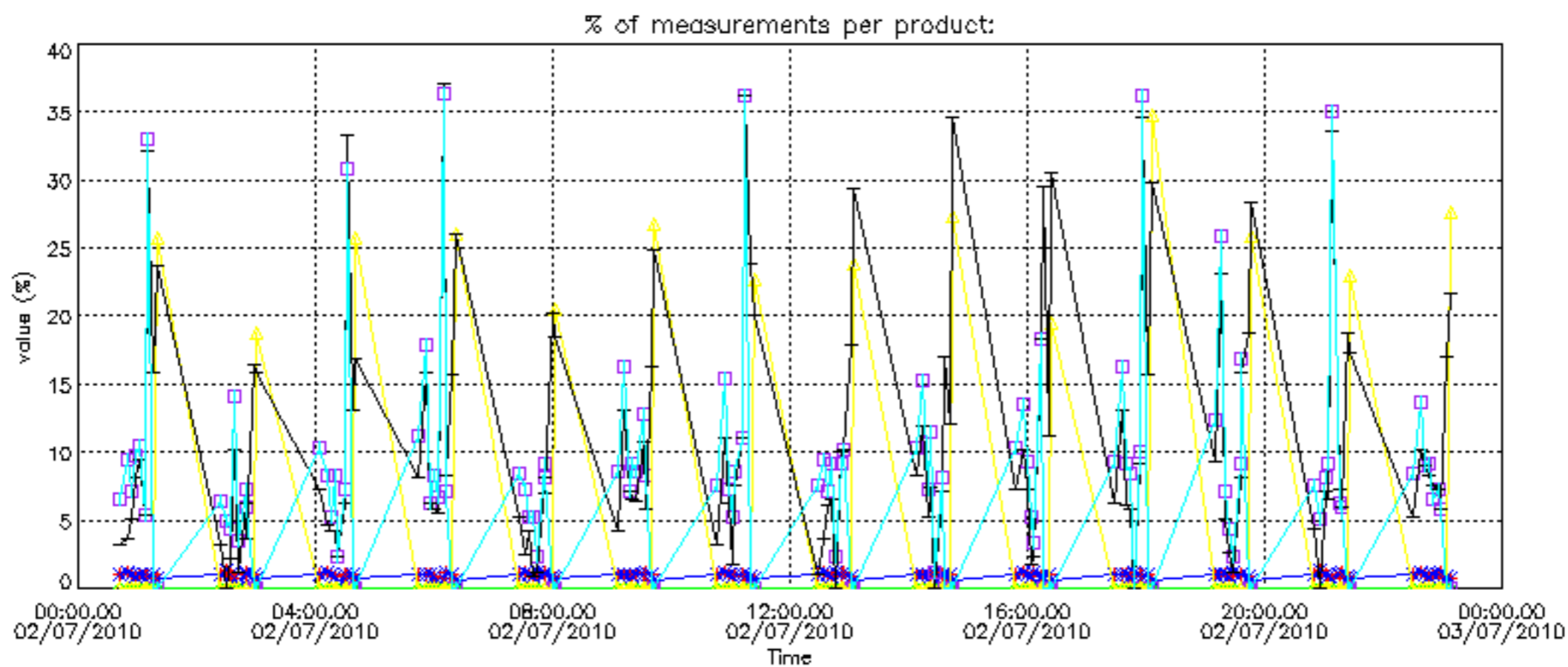
Percentage of flagged data per NO2 profile



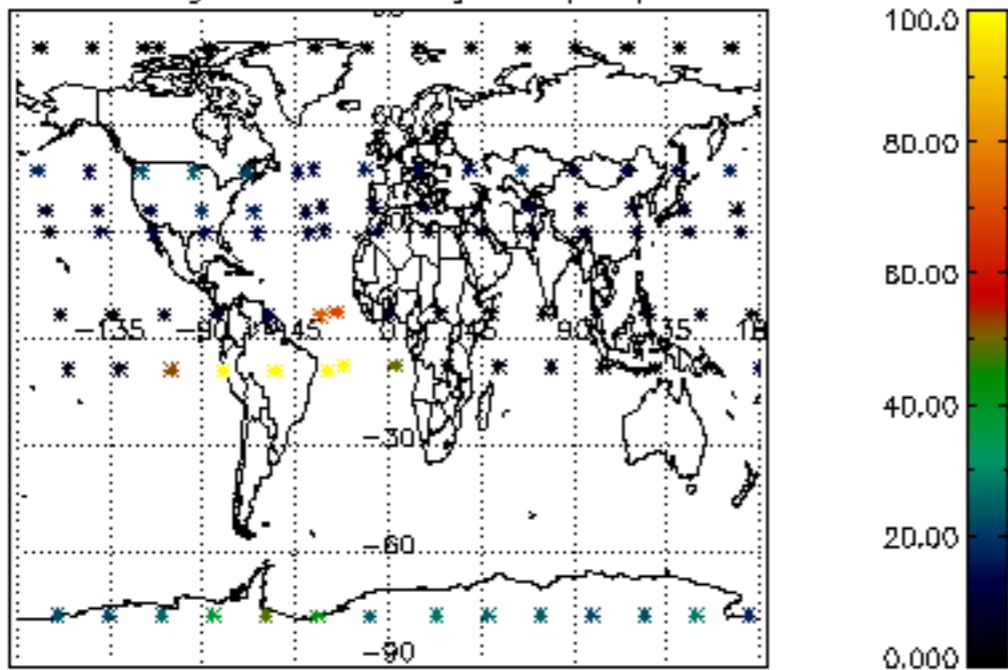
Percentage of flagged data per NO3 profile



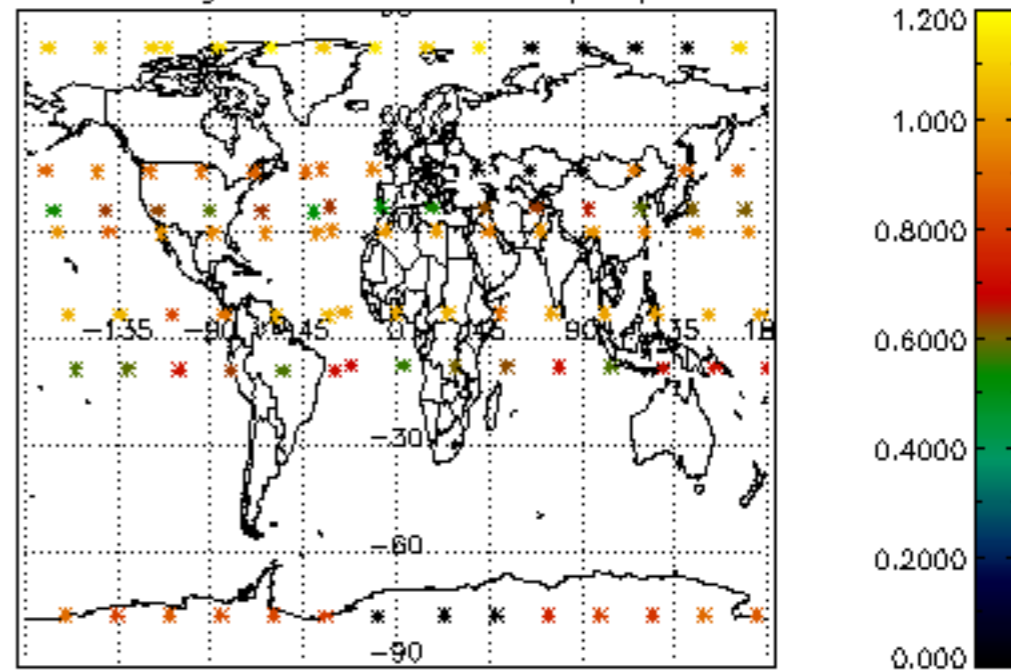




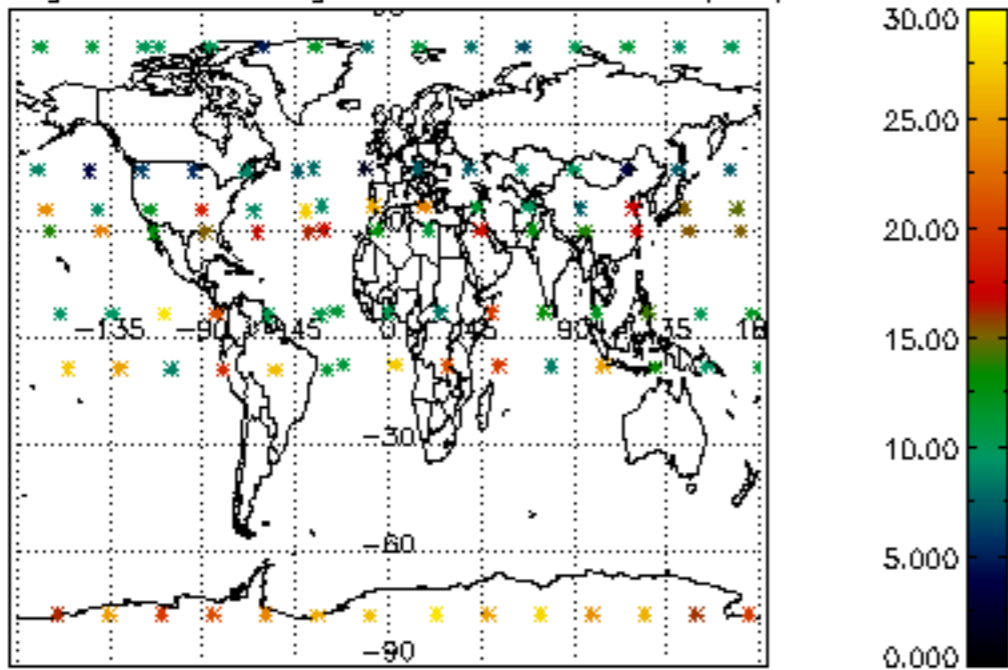
Percentage of cosmic ray hits per profile



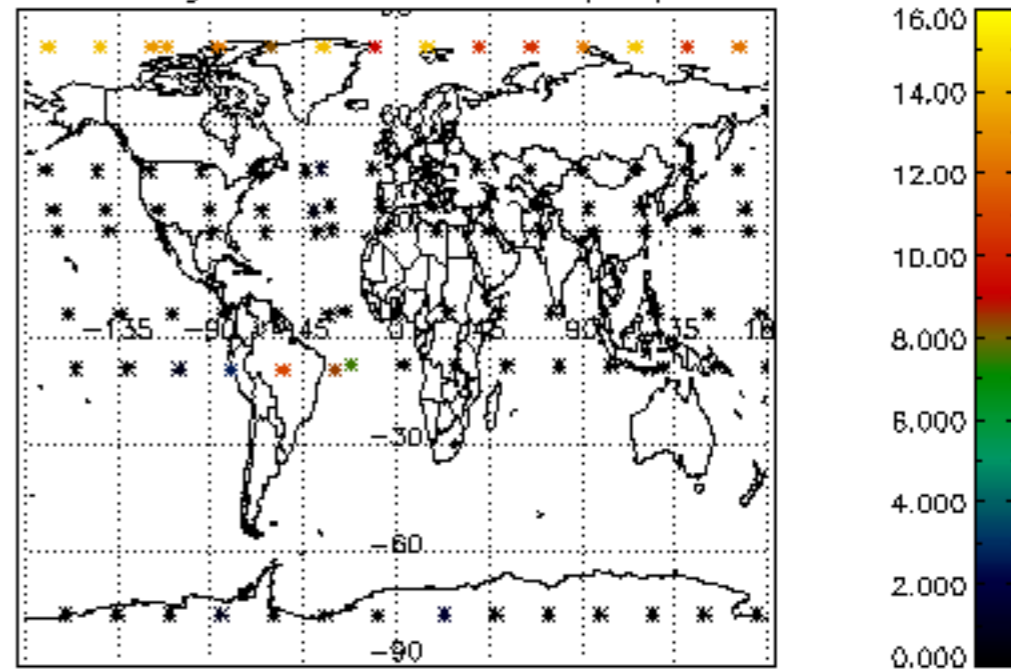
Percentage of datation errors per profile



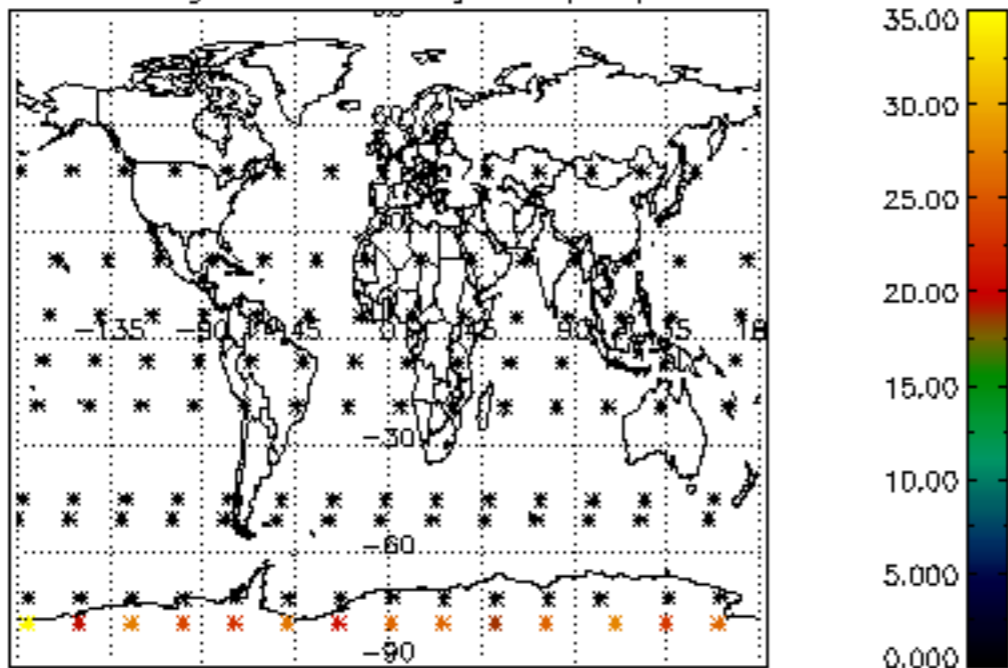
Percentage of star falling outside central band per profile



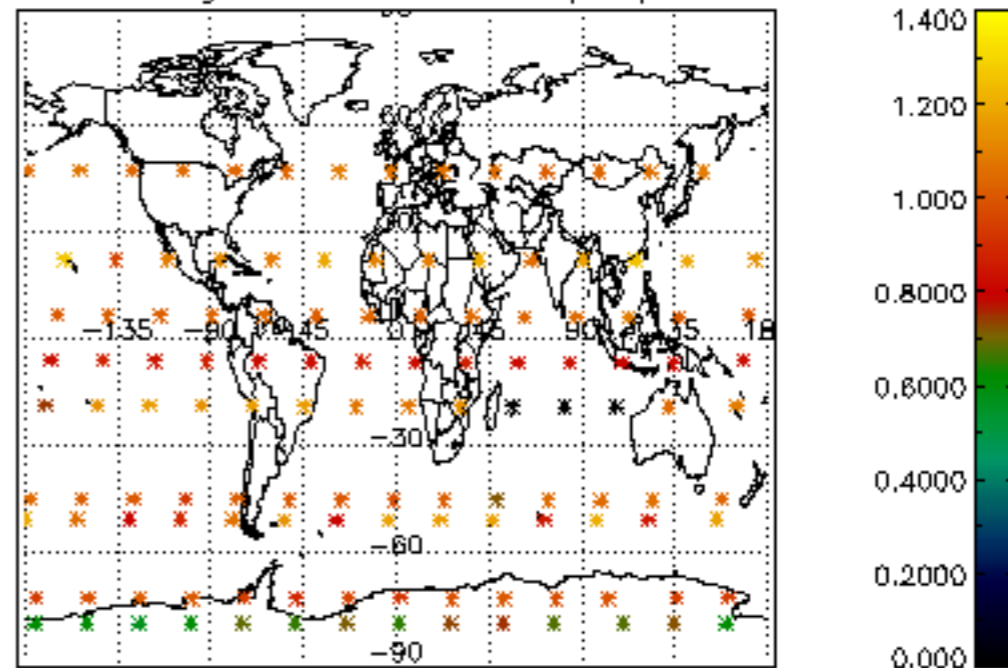
Percentage of saturation errors per profile



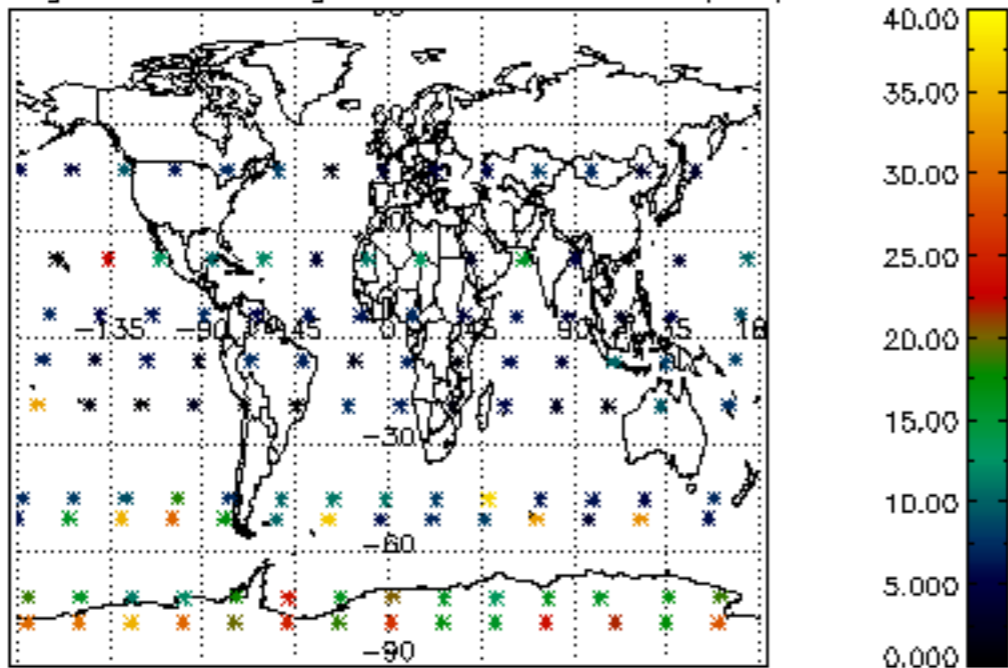
Percentage of cosmic ray hits per profile



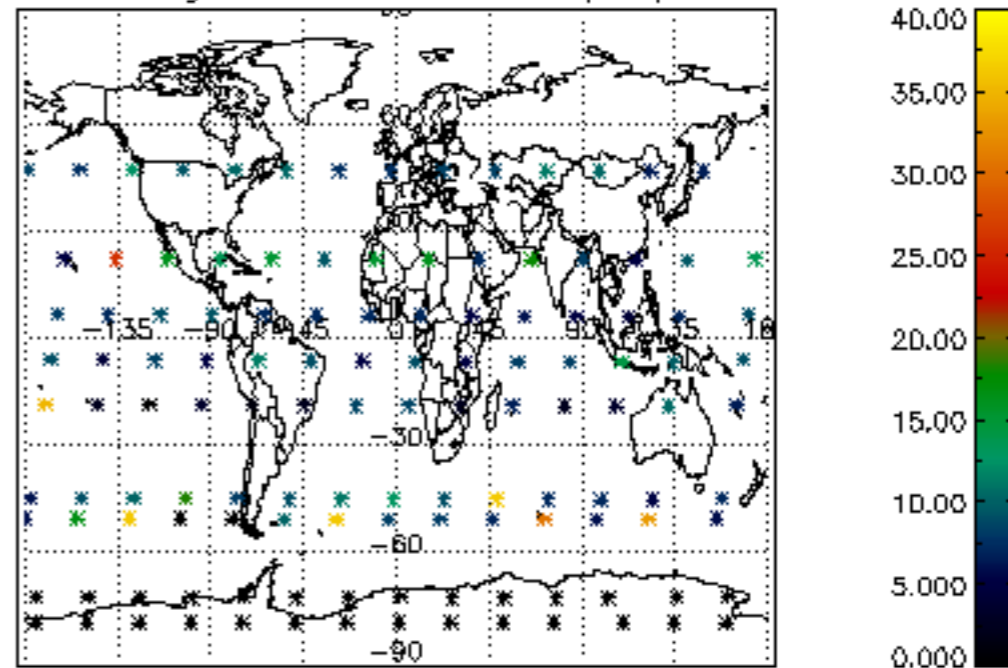
Percentage of datation errors per profile

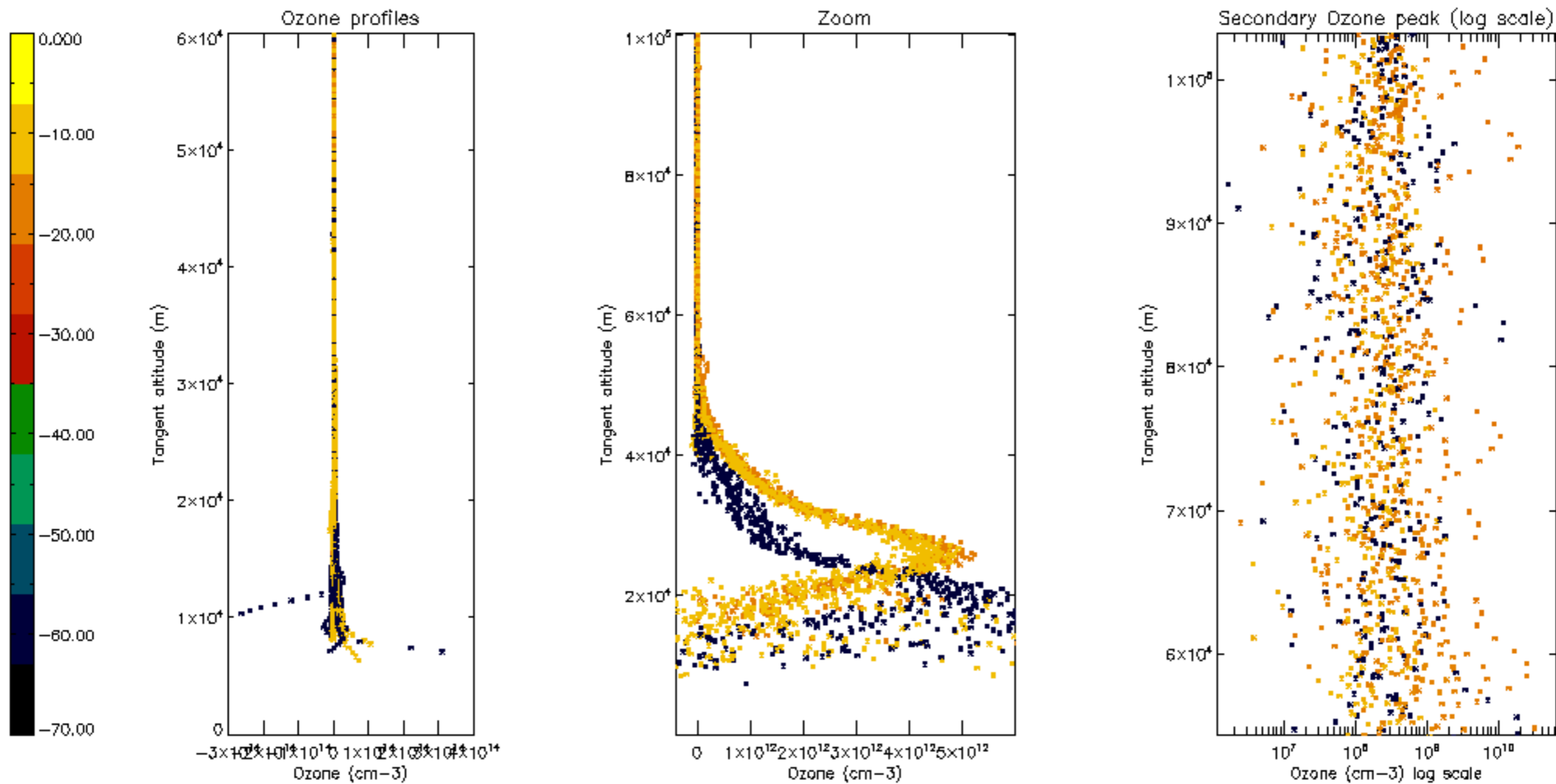


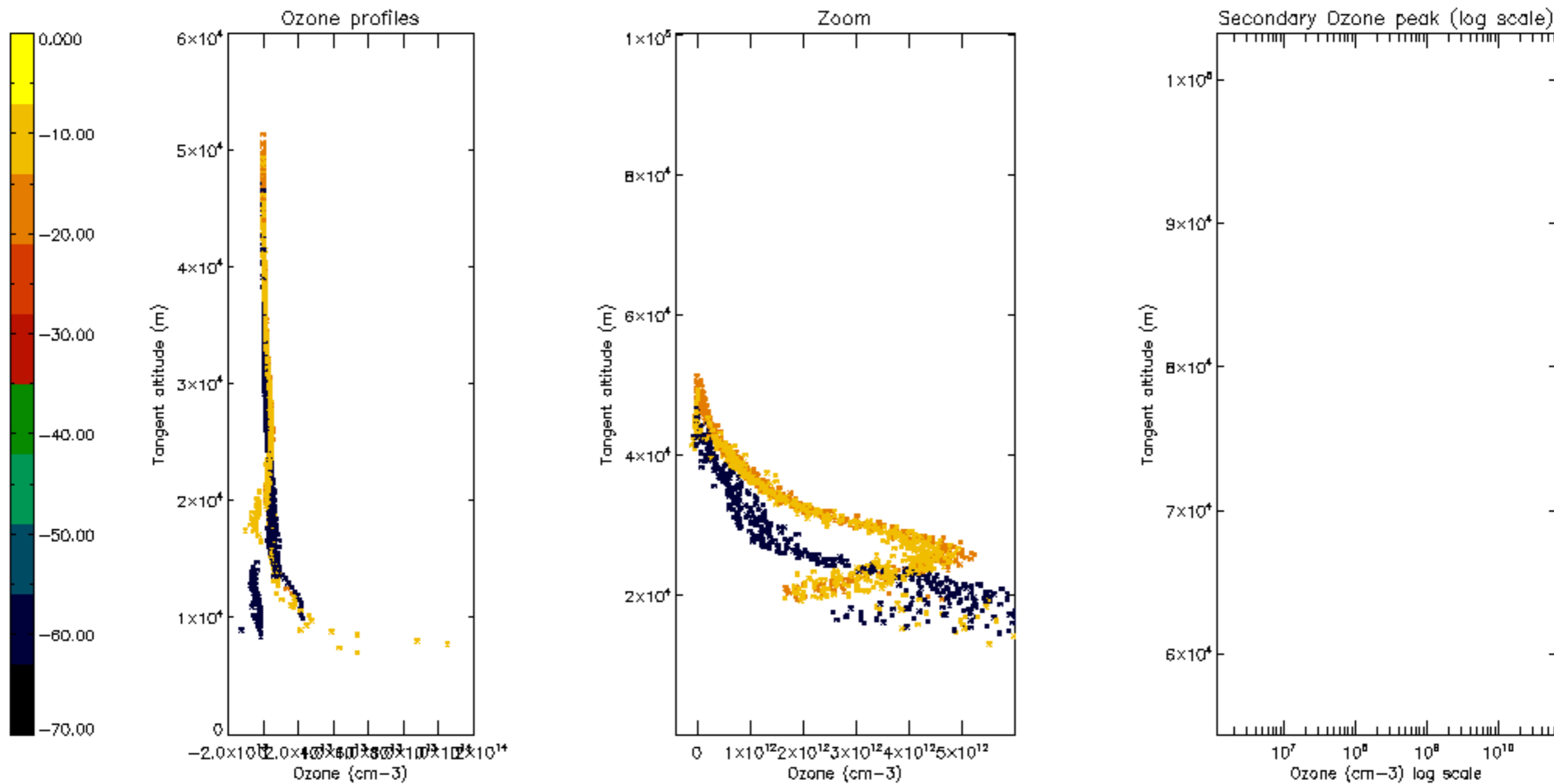
Percentage of star falling outside central band per profile

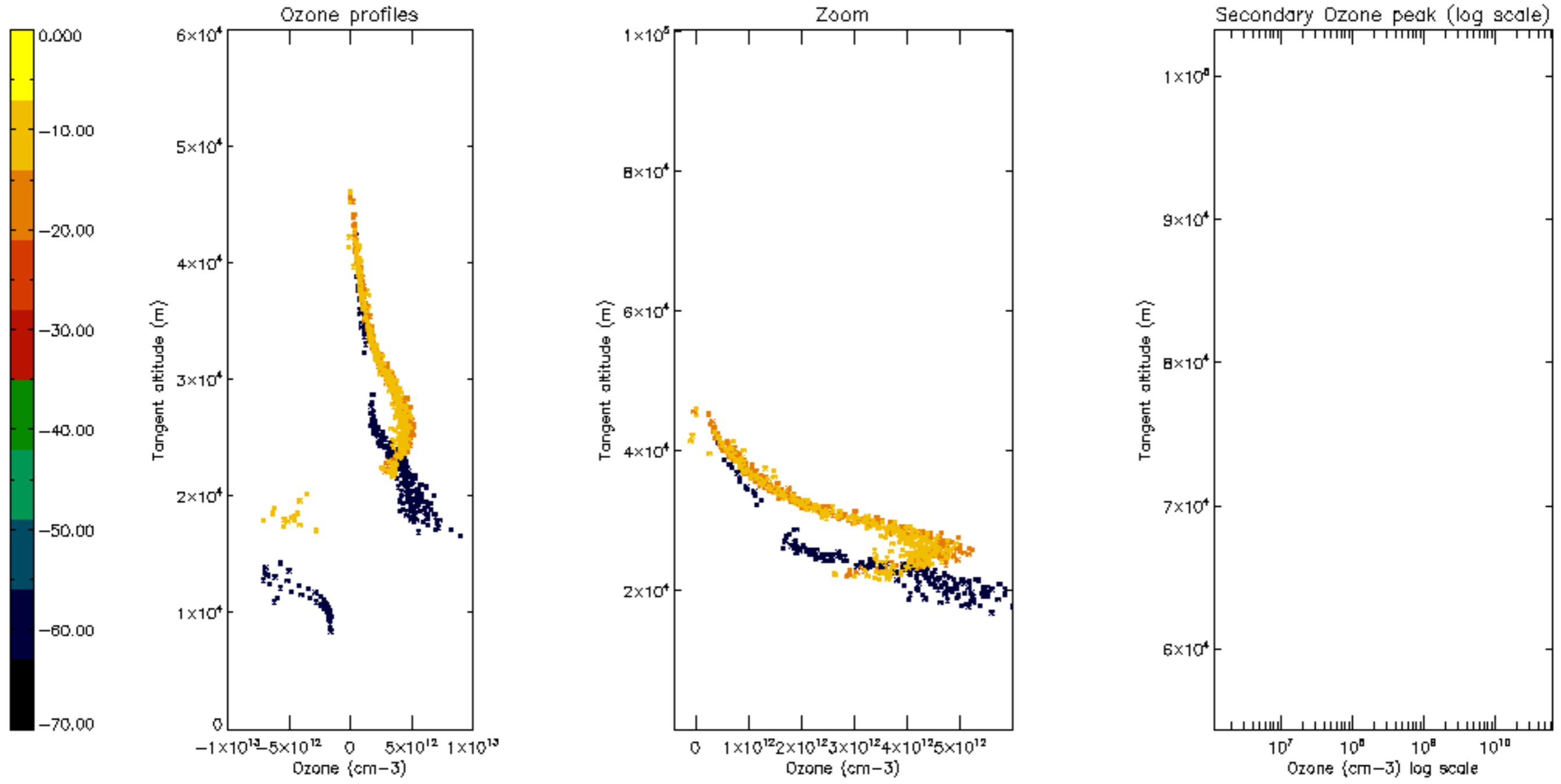


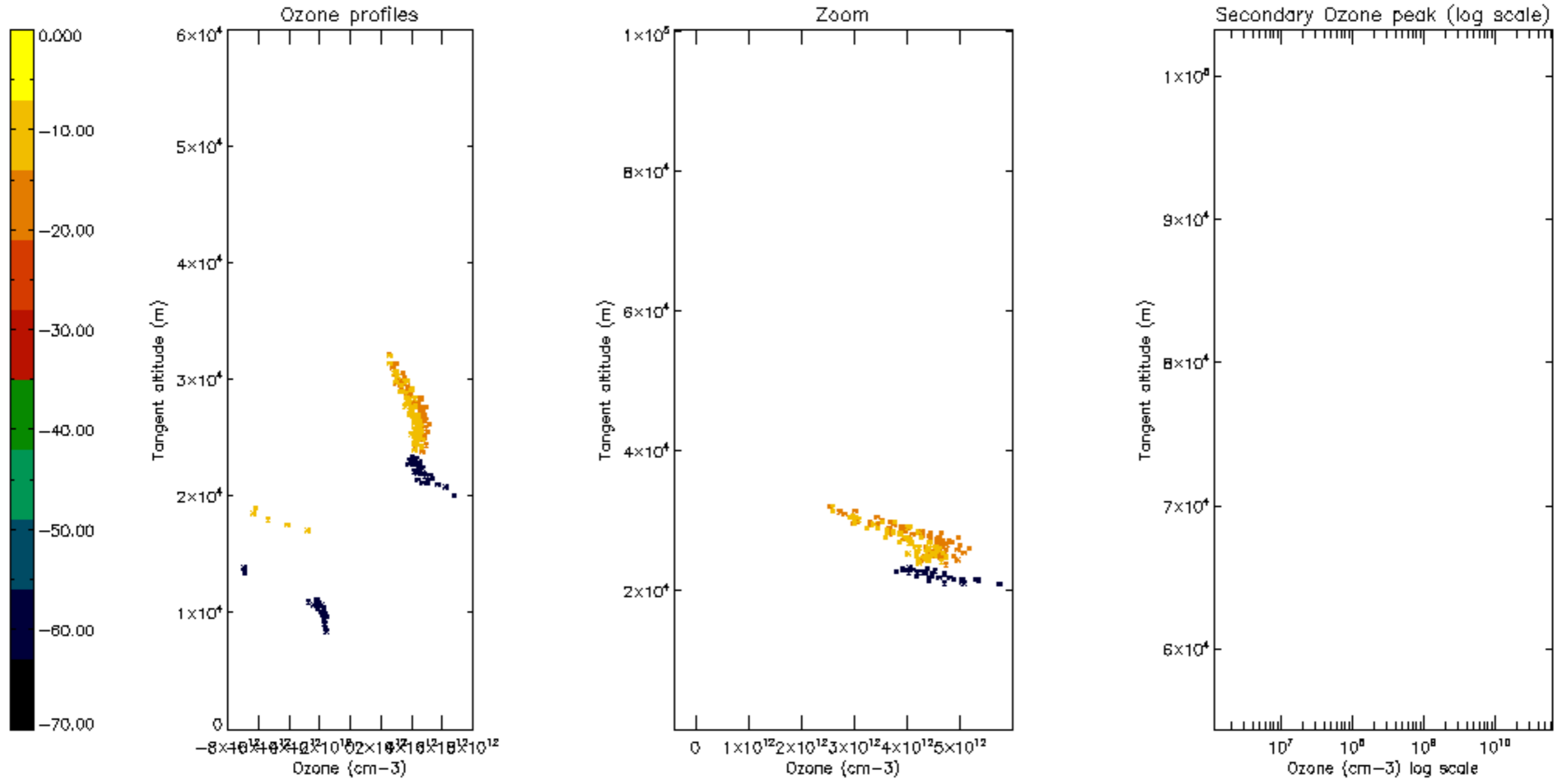
Percentage of saturation errors per profile

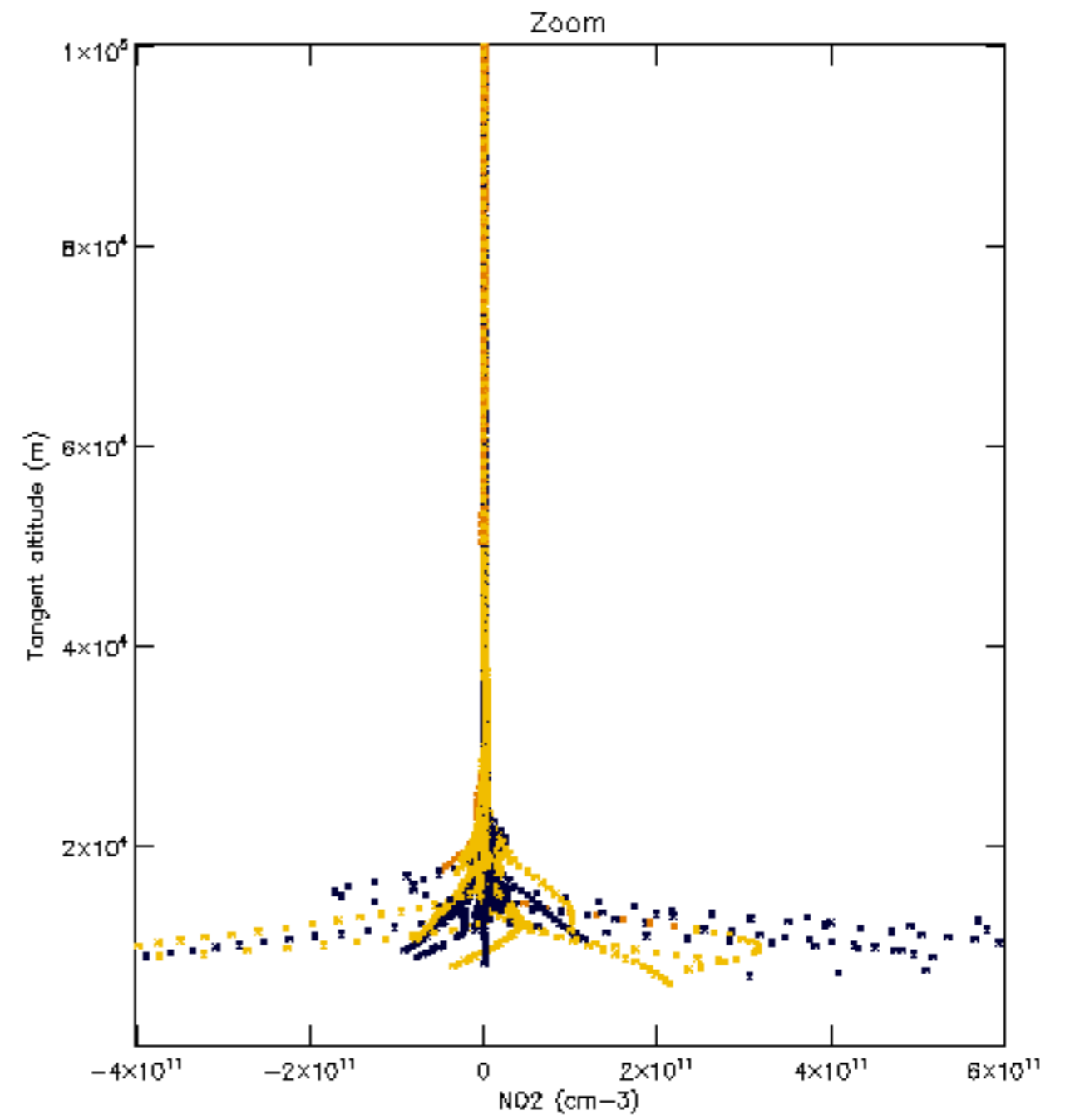
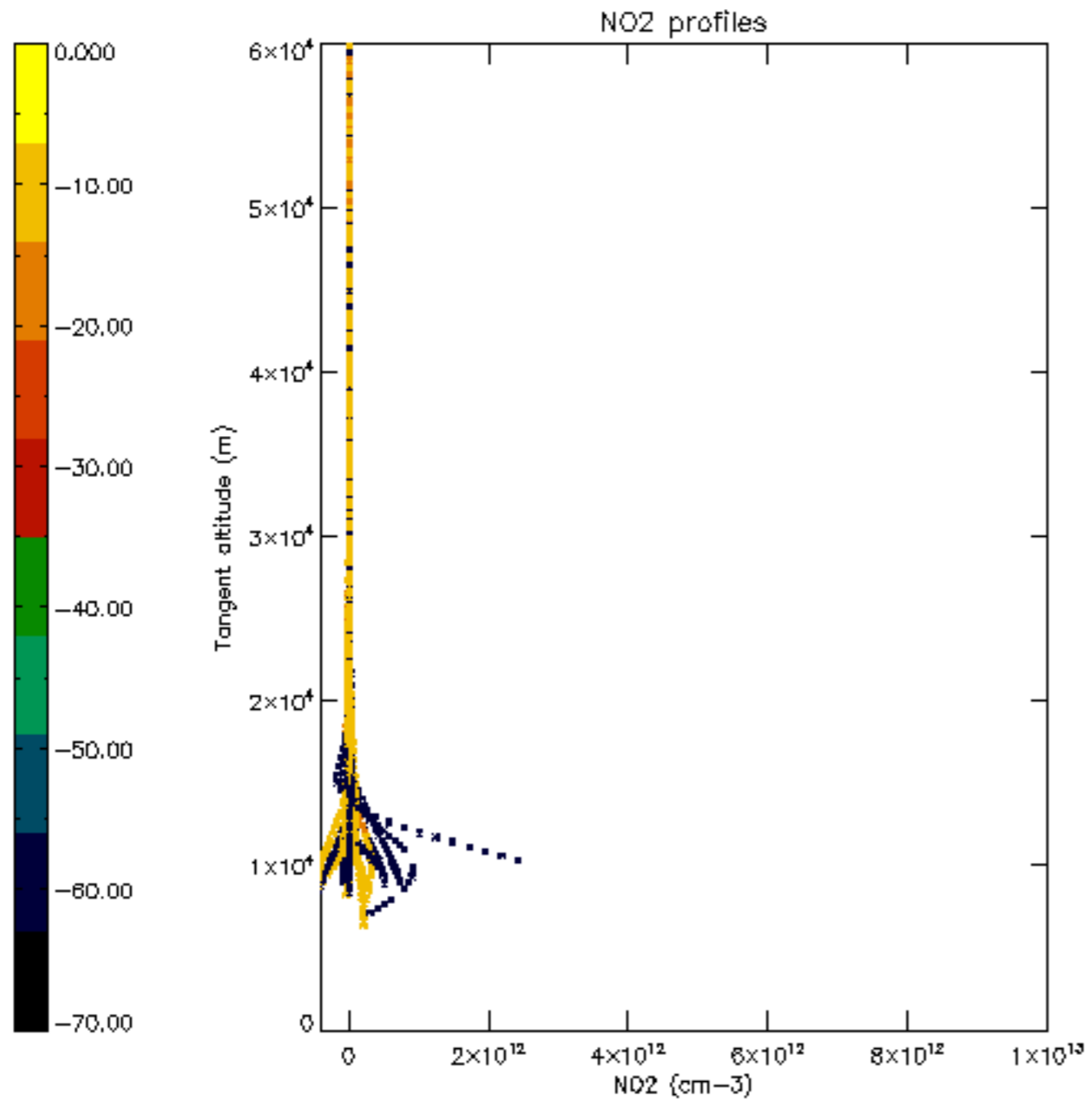


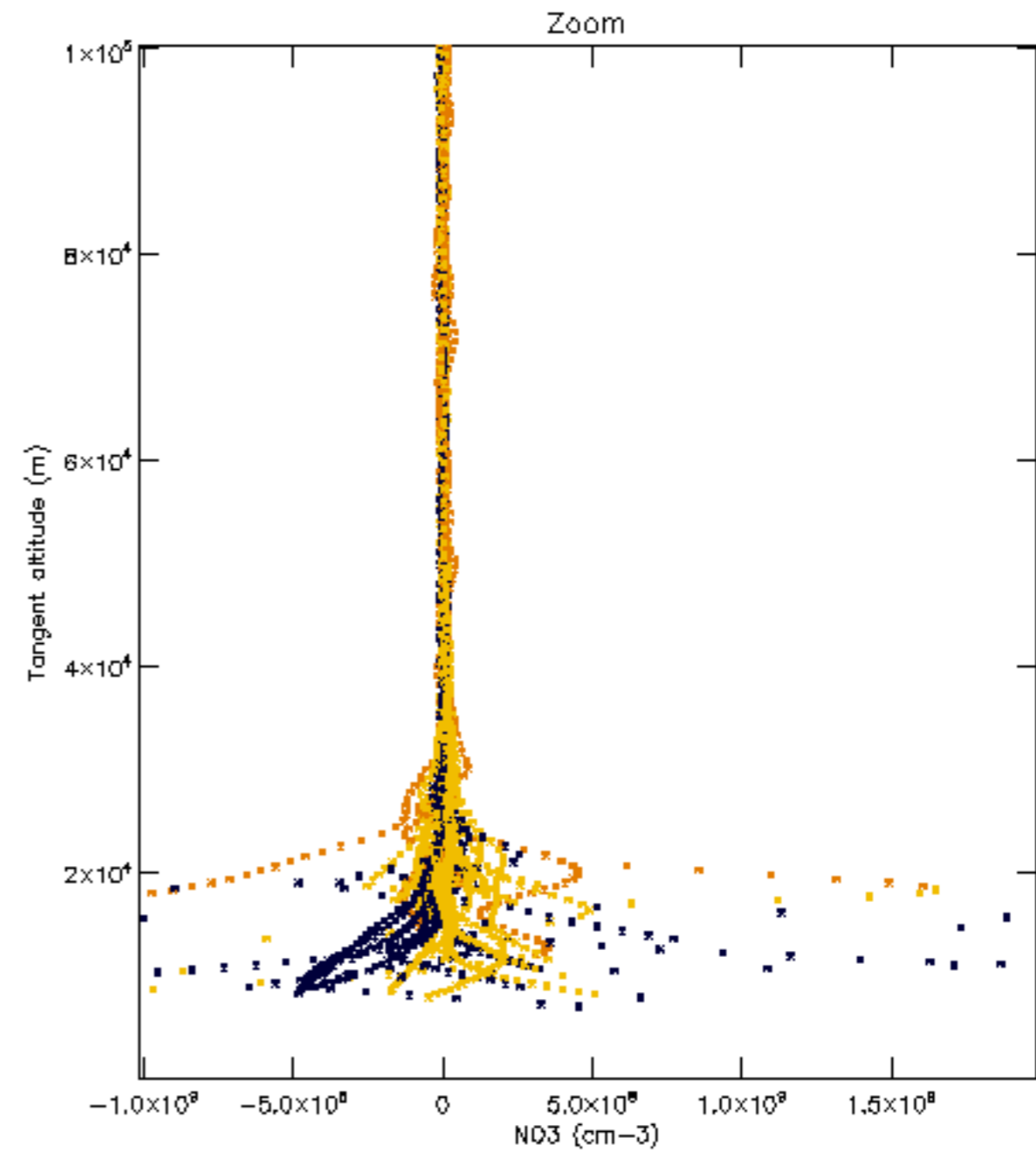
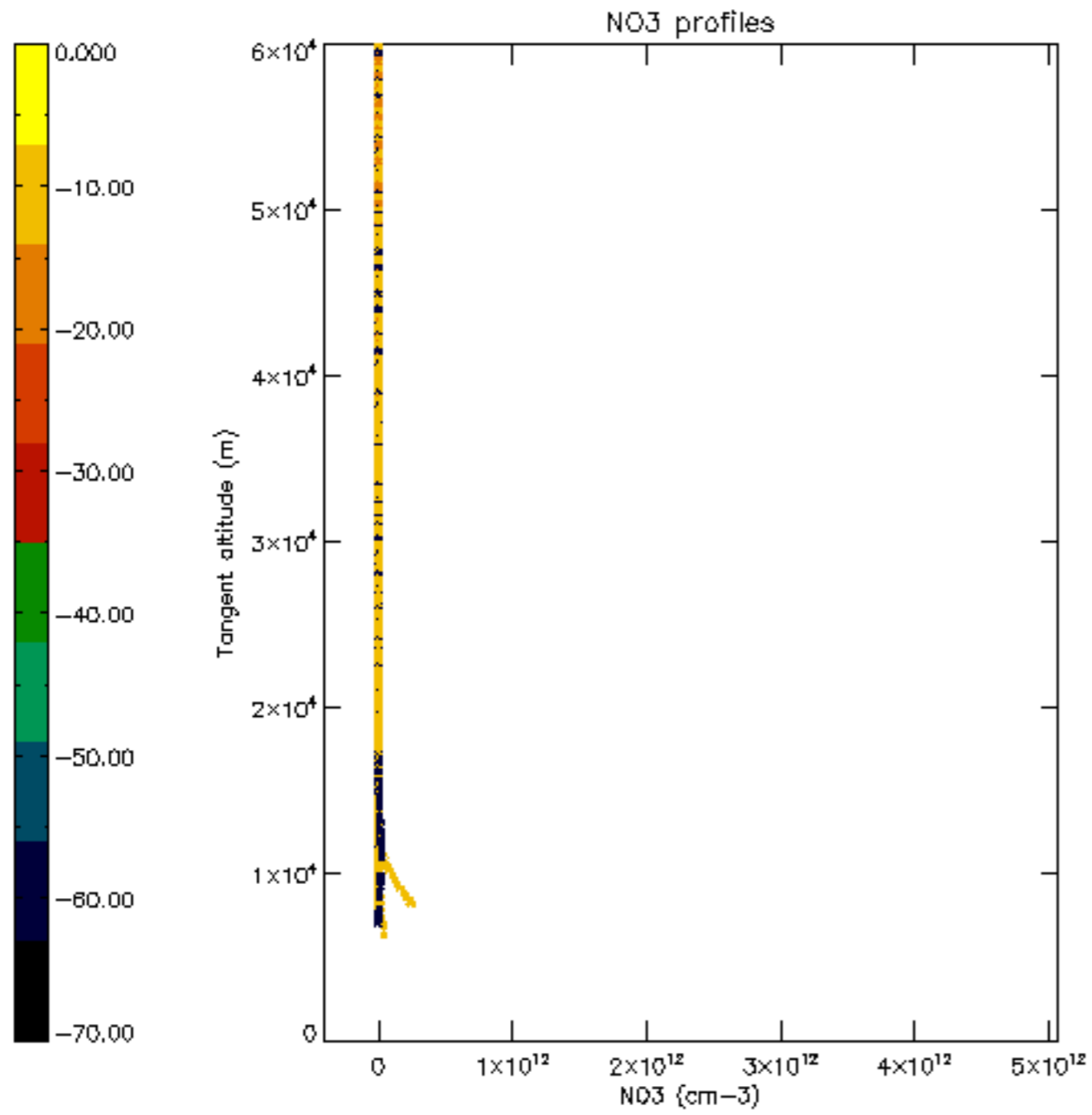


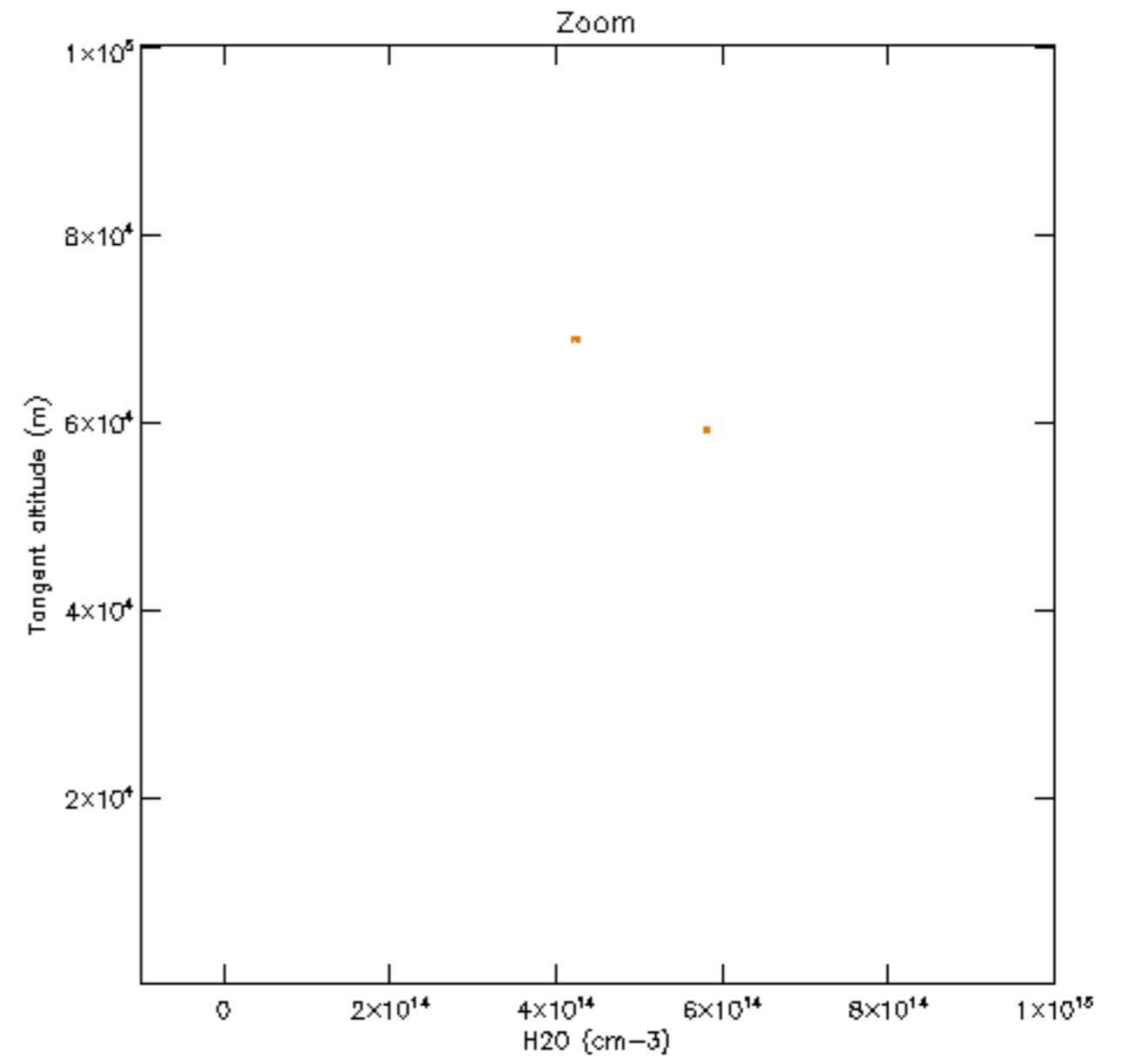
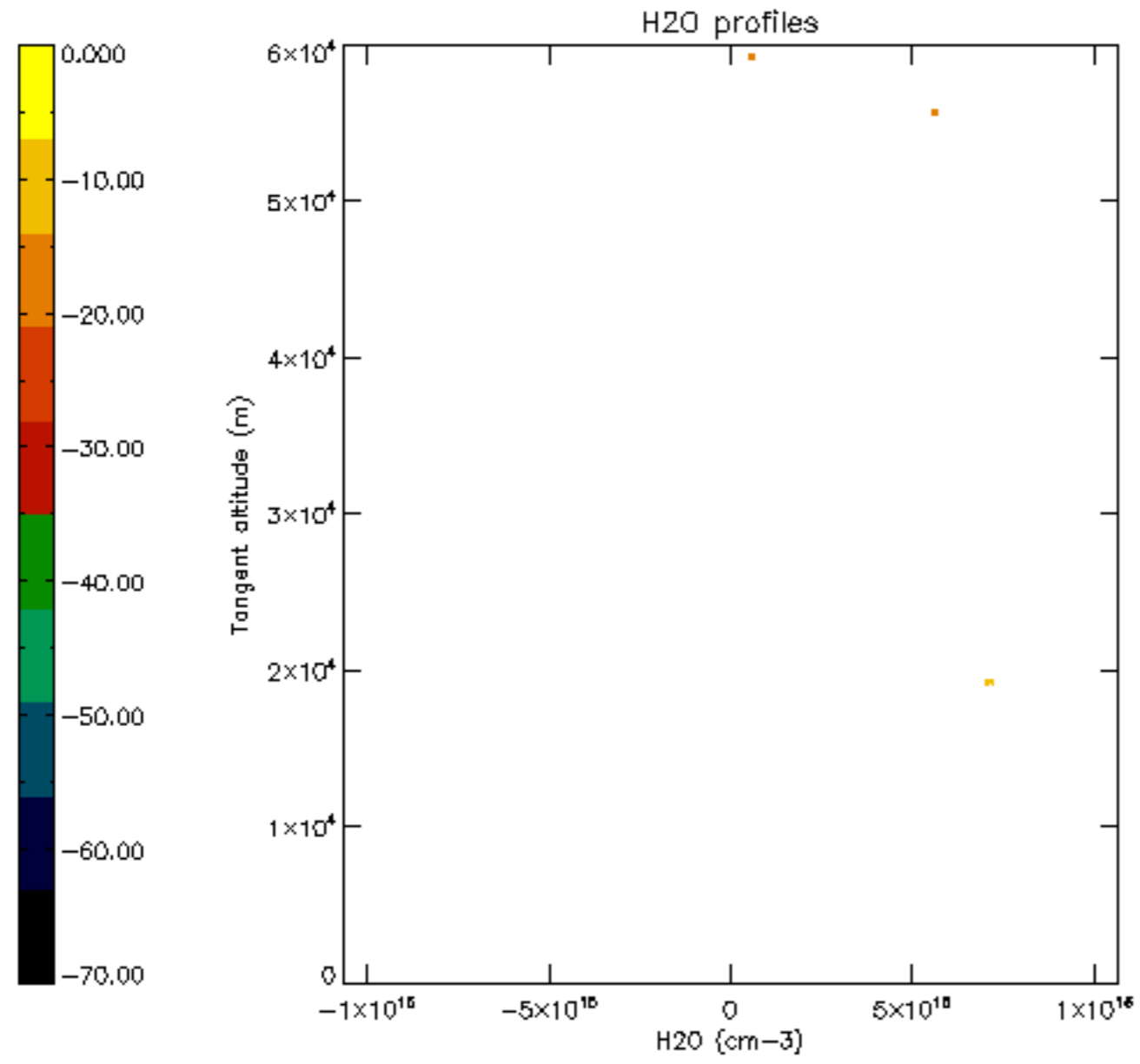


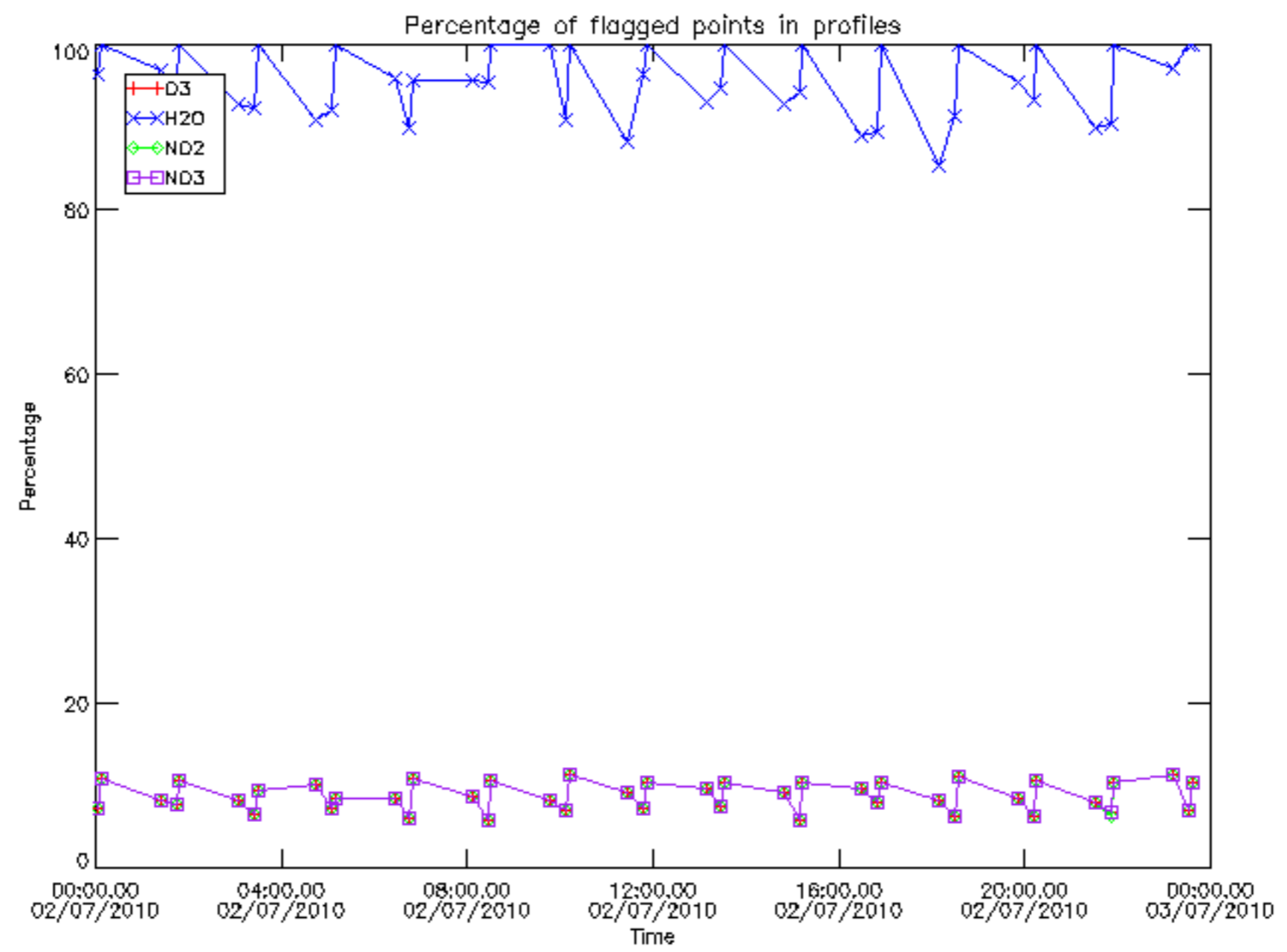




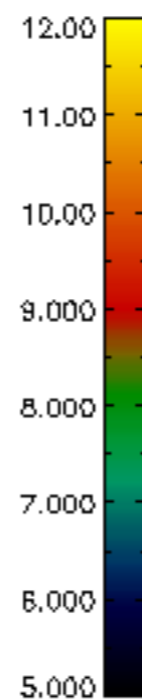
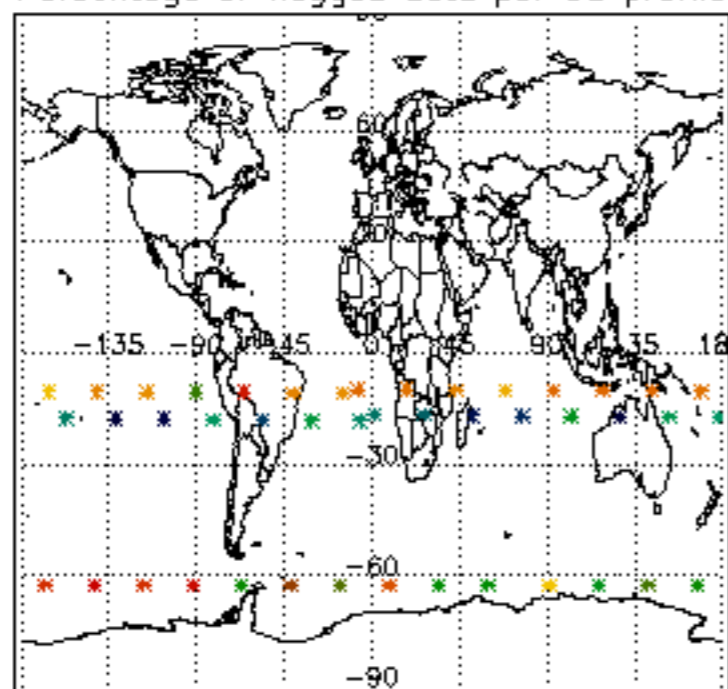




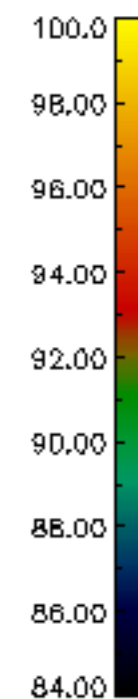
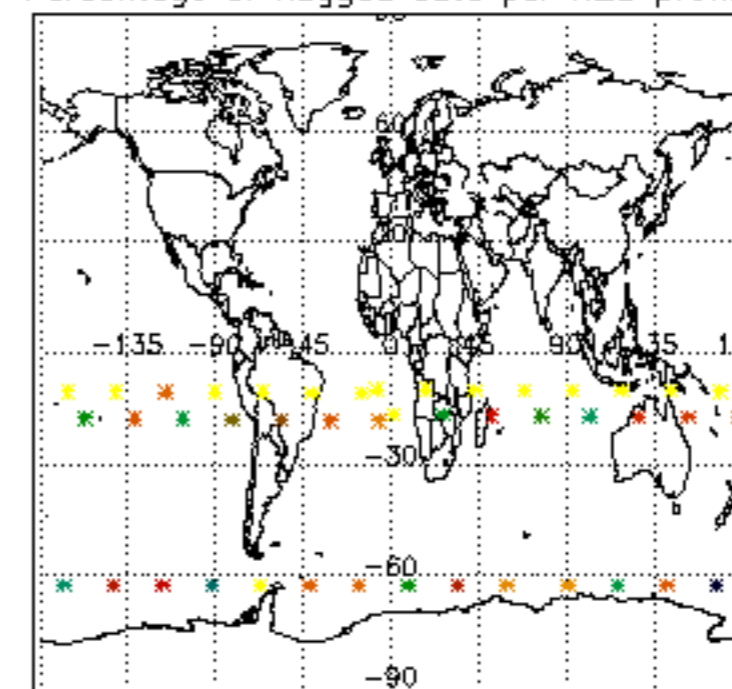




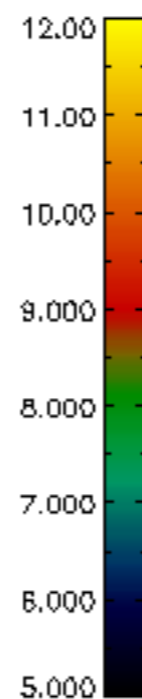
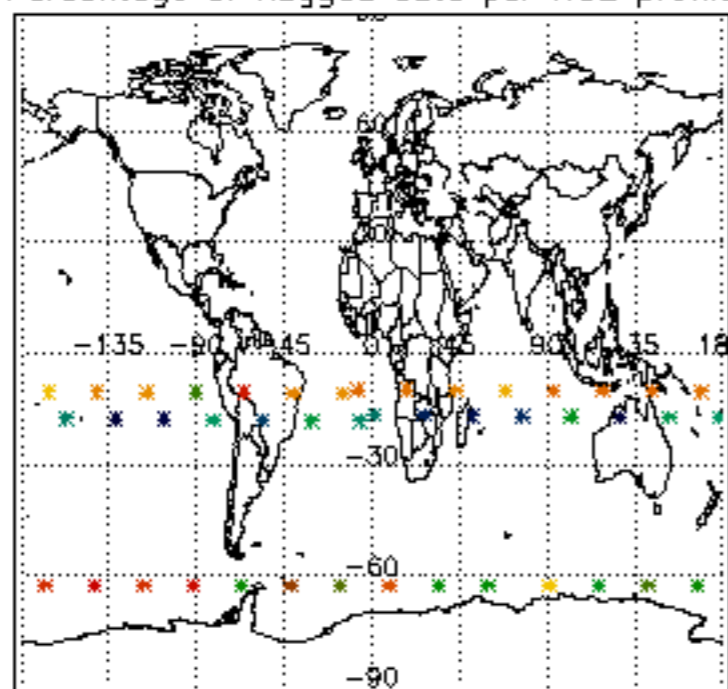
Percentage of flagged data per D3 profile



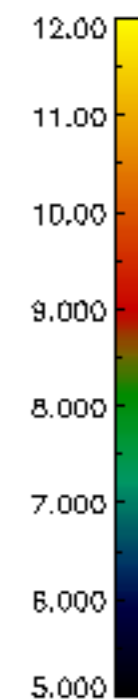
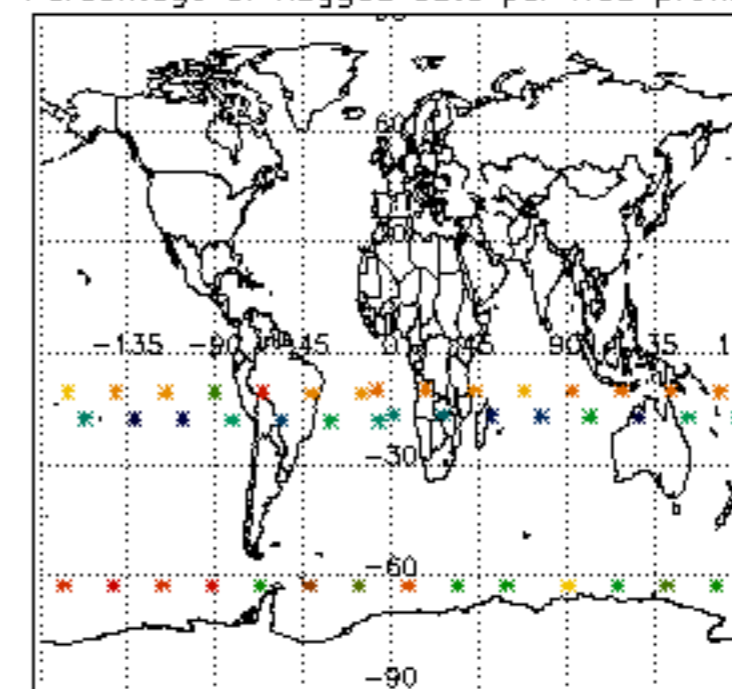
Percentage of flagged data per H2O profile

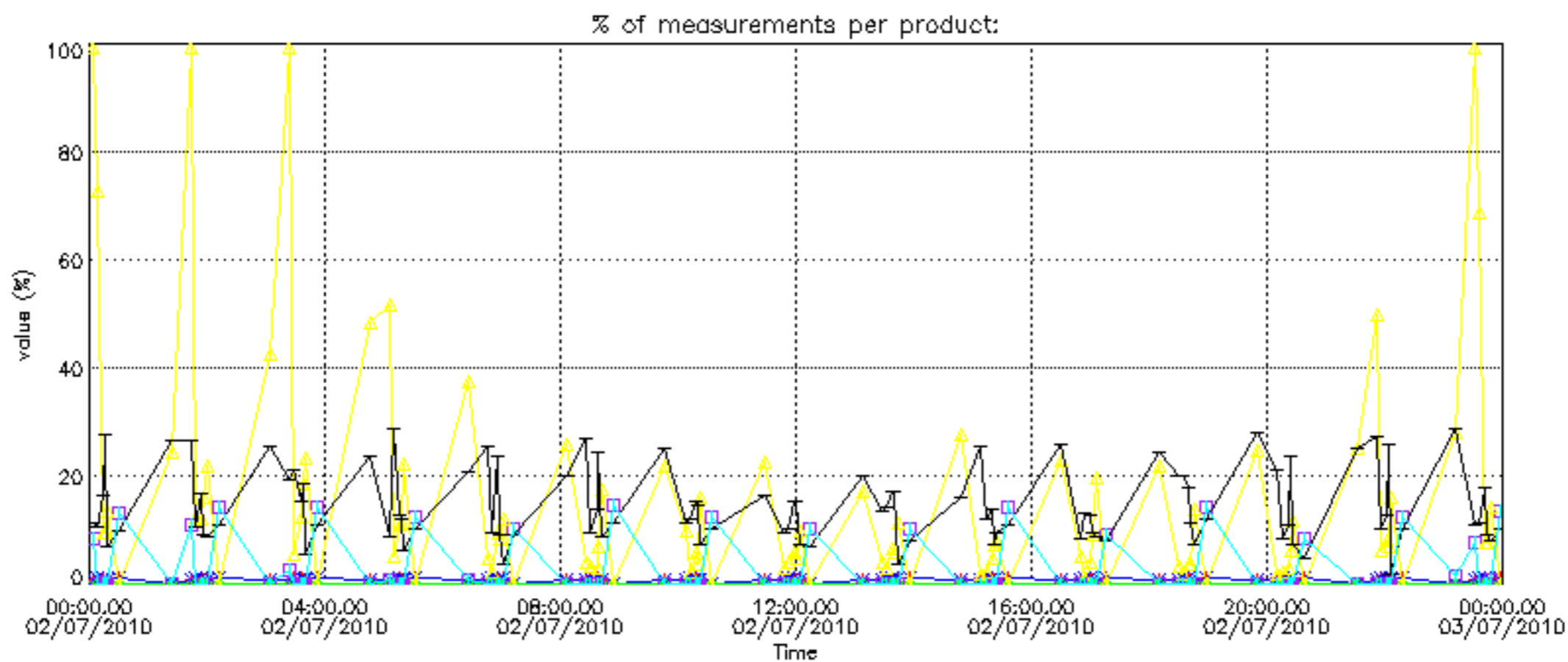


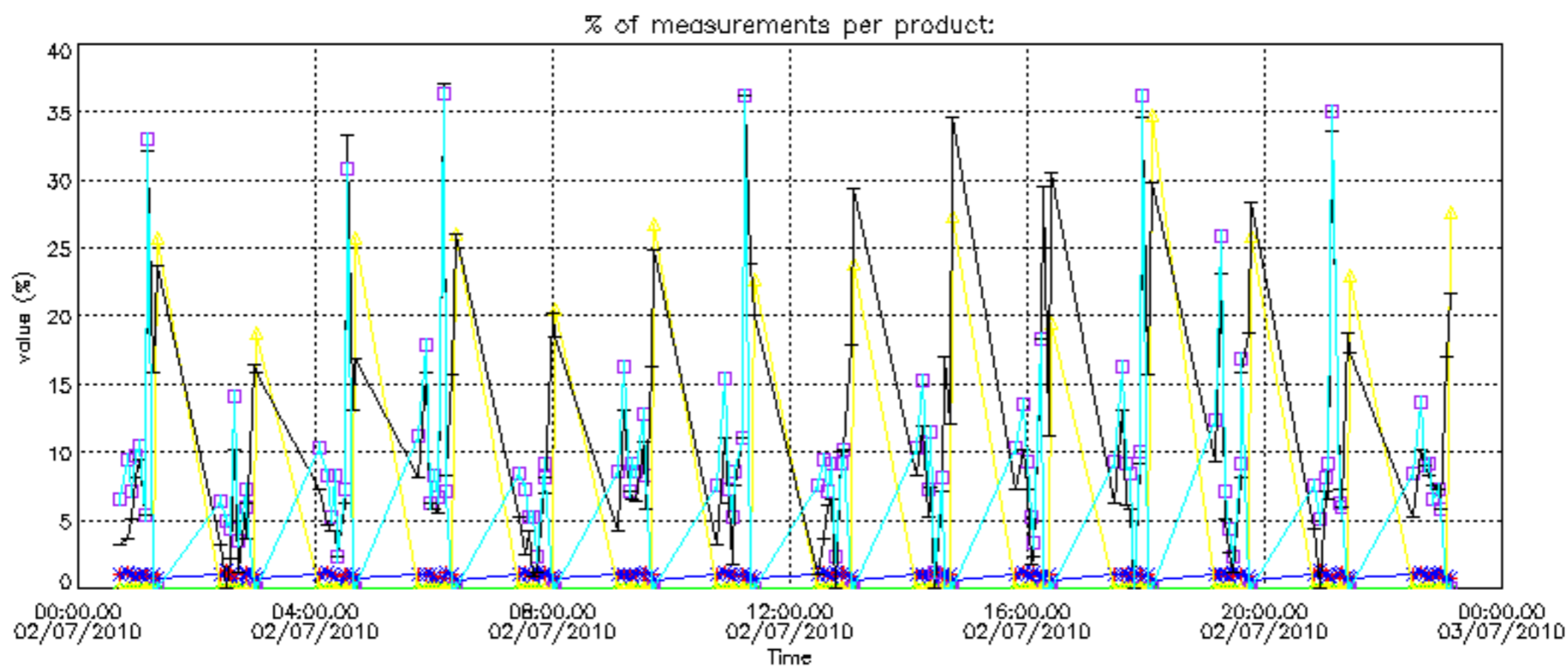
Percentage of flagged data per NO2 profile



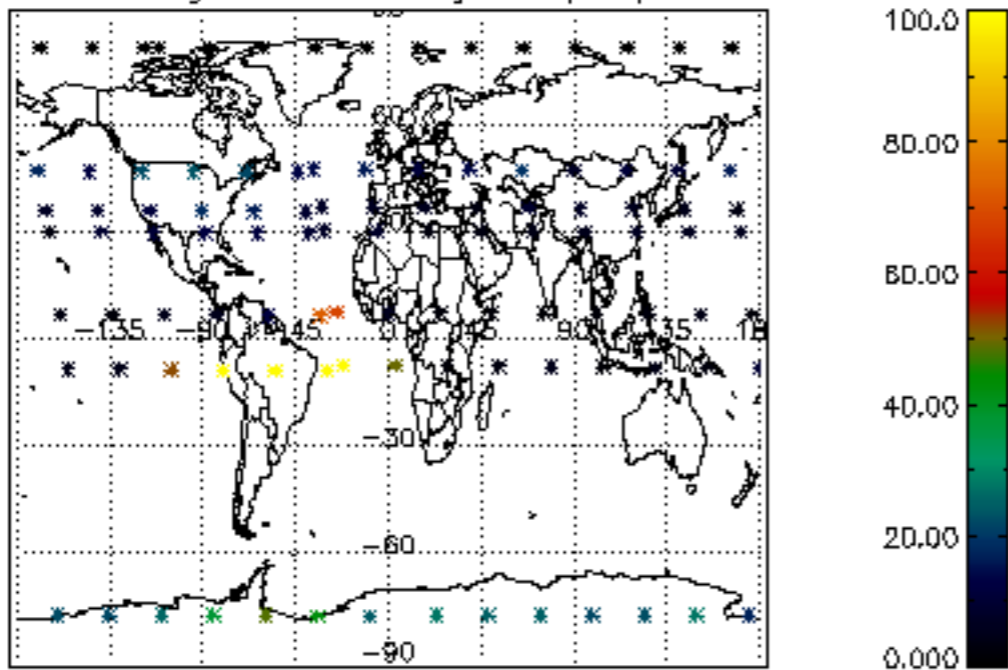
Percentage of flagged data per NO3 profile



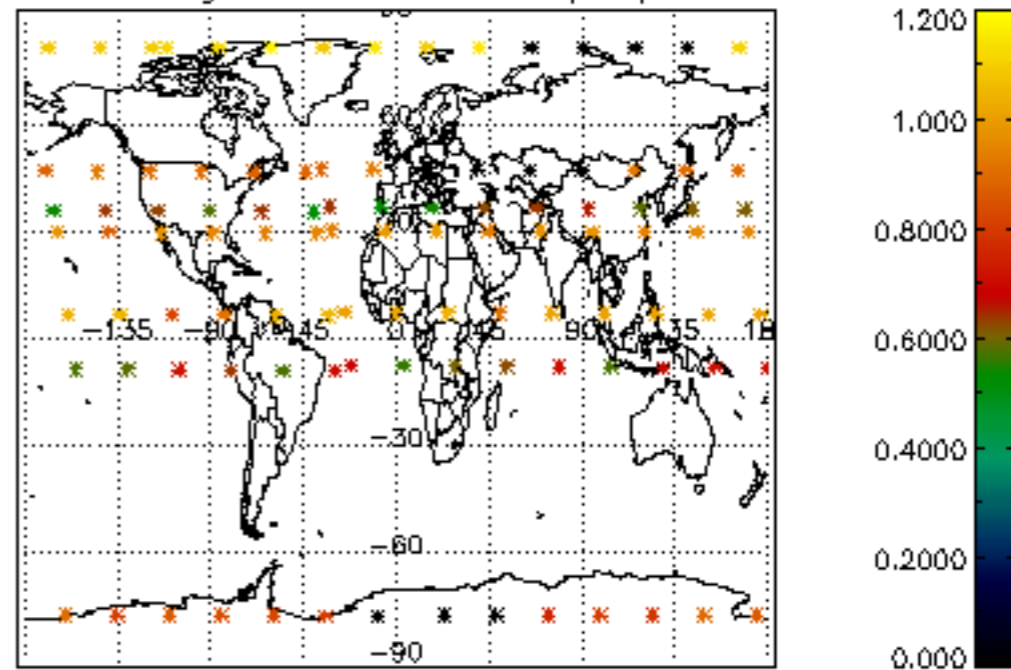




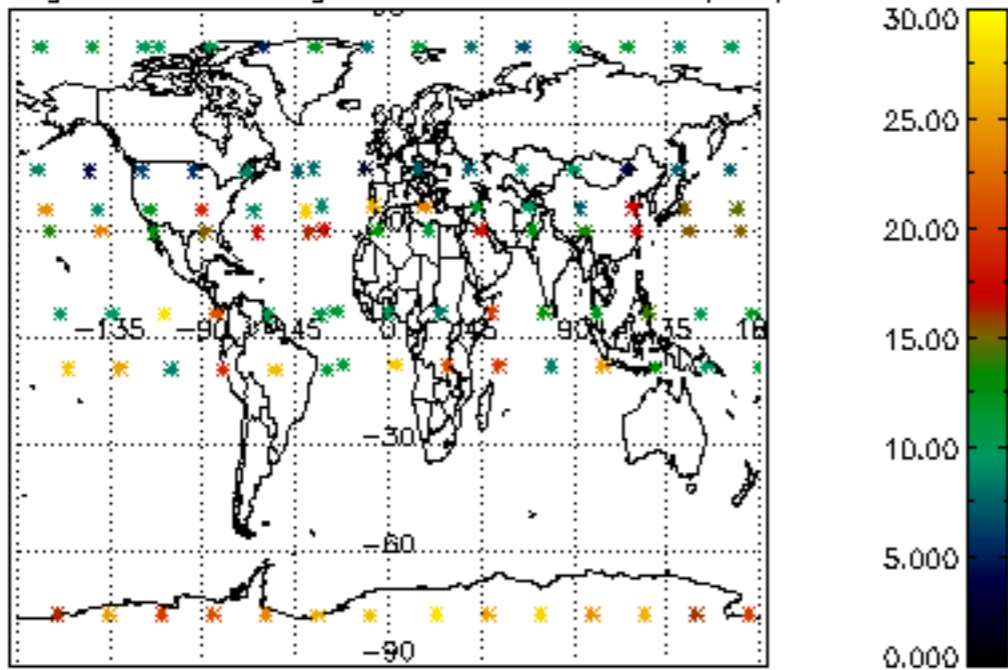
Percentage of cosmic ray hits per profile



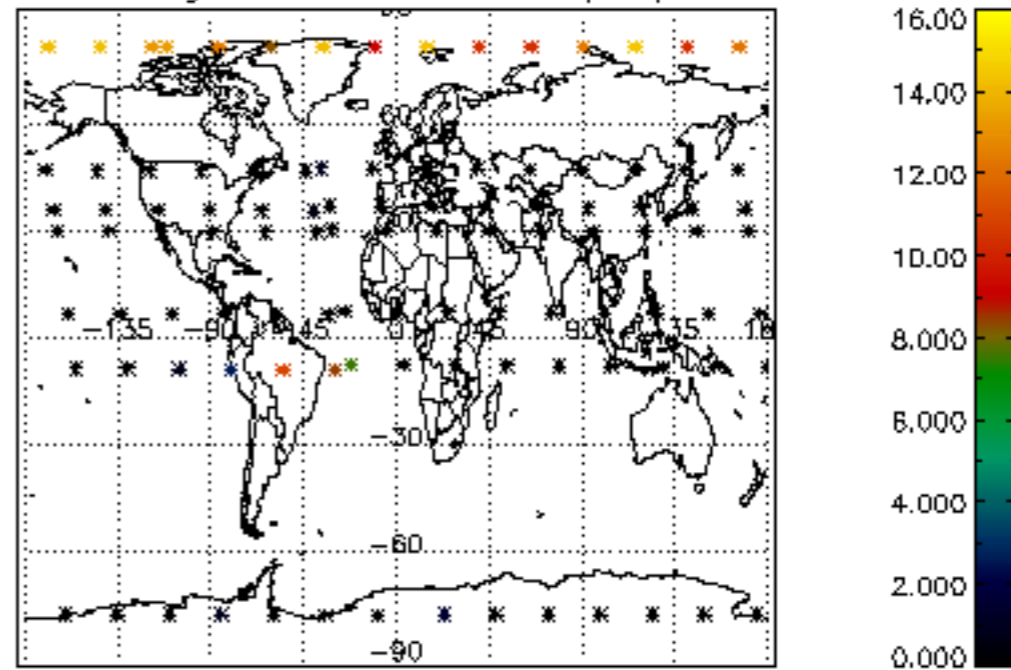
Percentage of datation errors per profile



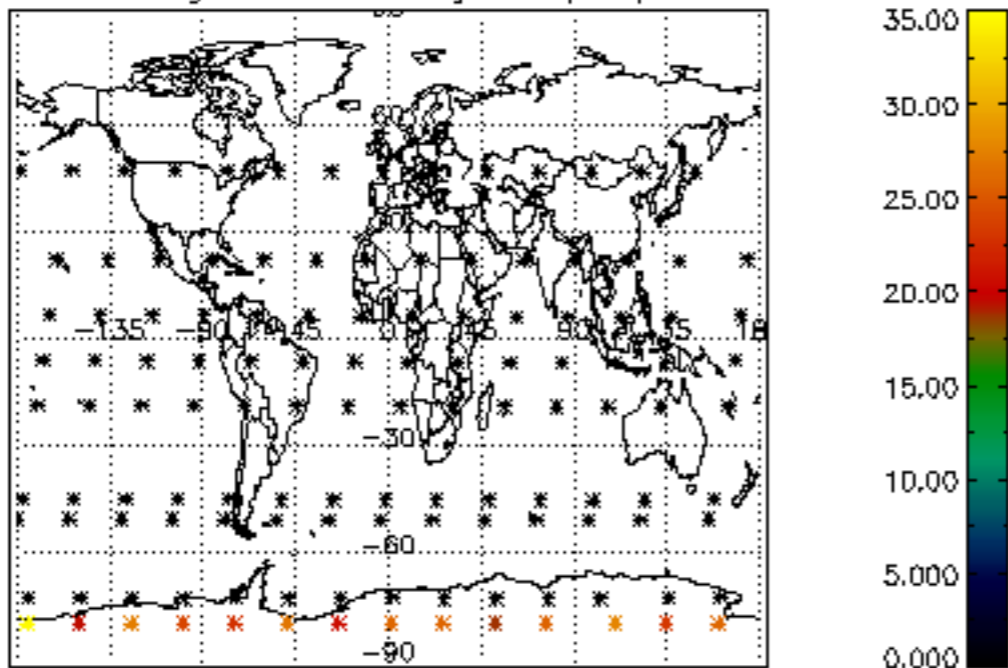
Percentage of star falling outside central band per profile



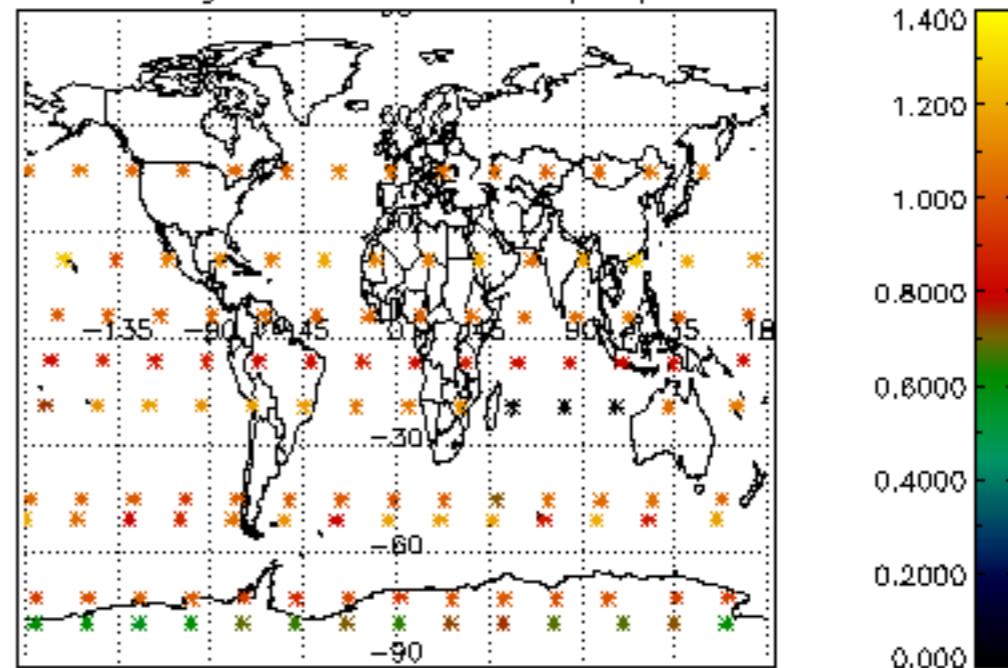
Percentage of saturation errors per profile



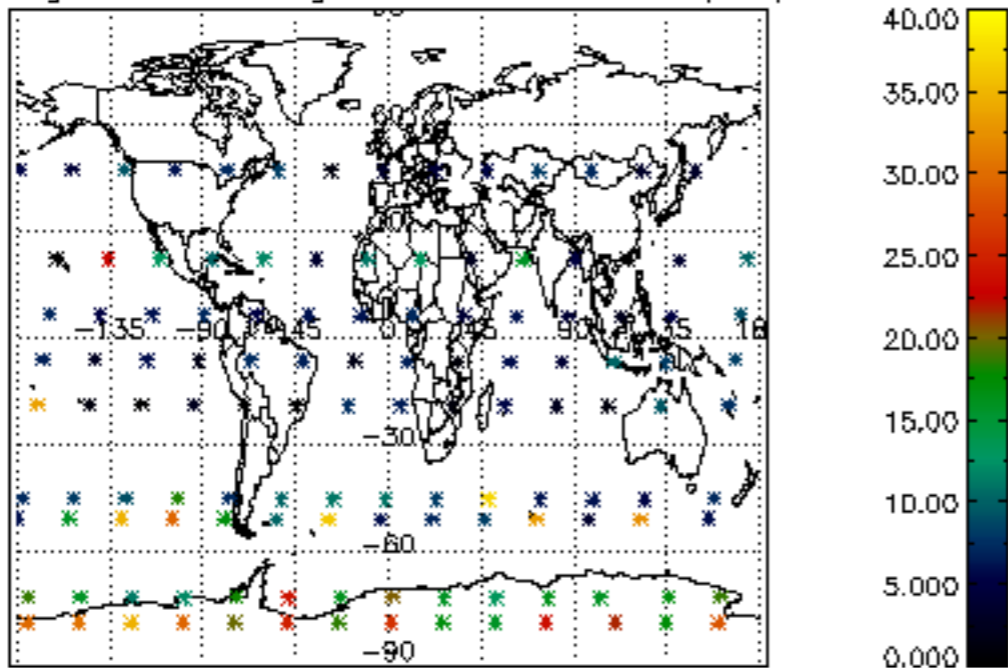
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

