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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	24APR2013 15:30:05
Data source version	GOMOS/6.01
Start time of products	06-07-2011 (06JUL2011 00:00:00)
Stop time of products	07-07-2011 (07JUL2011 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	231
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

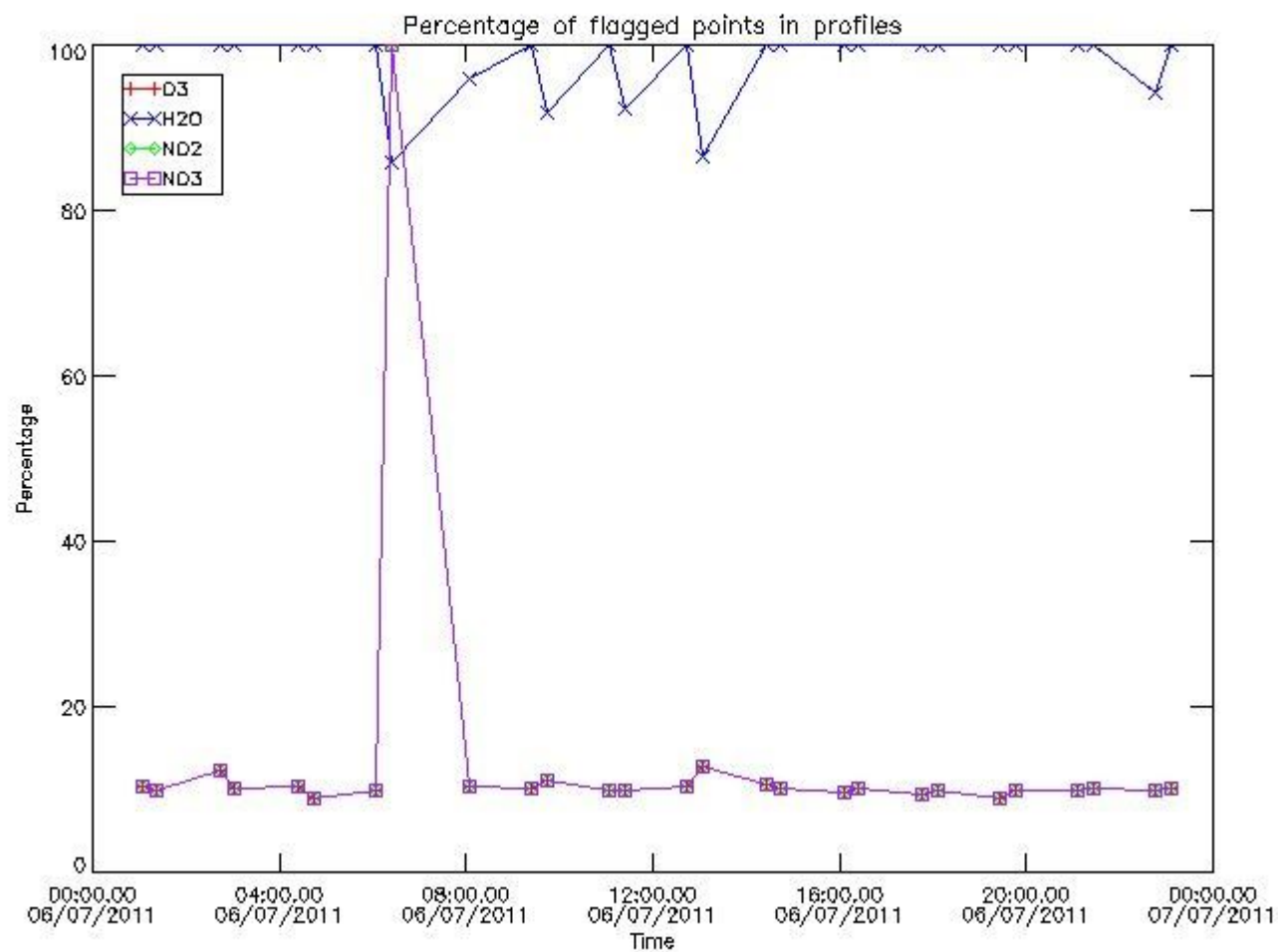
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20110706_000146_000000463104_00160_48881_2437.N1	06-JUL-2011 00:01:46	Twilight	45.500	103	38Zet Sgr	2.6000	9700.0	91	48881	No
2	GOM_NL__2PRFIN20110706_000424_000000423104_00160_48881_2438.N1	06-JUL-2011 00:04:24	Bright	42.000	155	41Pi Sgr	2.9000	6600.0	84	48881	No
3	GOM_NL__2PRFIN20110706_001558_000000443104_00160_48881_2439.N1	06-JUL-2011 00:15:58	Bright	43.500	168	17Zet Aql	2.9860	11000.	87	48881	No
4	GOM_NL__2PRFIN20110706_002300_000000453104_00160_48881_2440.N1	06-JUL-2011 00:23:00	Bright	45.000	5	3Alp Lyr	0.033000	11000.	90	48881	No
5	GOM_NL__2PRFIN20110706_002602_000000383104_00160_48881_2441.N1	06-JUL-2011 00:26:02	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	48881	No
6	GOM_NL__2PRFIN20110706_003408_000000473104_00160_48881_2442.N1	06-JUL-2011 00:34:08	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48881	No
7	GOM_NL__2PRFIN20110706_004238_000000453104_00160_48881_2443.N1	06-JUL-2011 00:42:38	Bright	44.500	76	27Gam Cas	2.3000	30000.	89	48881	No
8	GOM_NL__2PRFIN20110706_004654_000000583104_00160_48881_2444.N1	06-JUL-2011 00:46:54	Bright	58.000	160	23Gam Per	2.9300	4700.0	116	48881	No
9	GOM_NL__2PRFIN20110706_004845_000000423104_00160_48881_2445.N1	06-JUL-2011 00:48:45	Bright	42.000	175	39Del Per	3.0100	19400.	84	48881	No
10	GOM_NL__2PRFIN20110706_005015_000000553104_00160_48881_2446.N1	06-JUL-2011 00:50:15	Bright	54.500	73	57Gam1And	2.2600	13100.	109	48881	No
11	GOM_NL__2PRFIN20110706_005328_000000393104_00160_48881_2447.N1	06-JUL-2011 00:53:28	Bright	38.500	150	44Zet Per	2.8900	28000.	77	48881	No
12	GOM_NL__2PRFIN20110706_005551_000000433104_00160_48881_2448.N1	06-JUL-2011 00:55:51	Twilight	43.000	146	25Eta Tau	2.8730	15200.	86	48881	No
13	GOM_NL__2PRFIN20110706_010251_000000493104_00160_48881_2449.N1	06-JUL-2011 01:02:51	Dark	49.000	94	92Alp Cet	2.5260	3100.0	98	48881	No
14	GOM_NL__2PRFIN20110706_012252_000000523104_00161_48882_2443.N1	06-JUL-2011 01:22:52	Dark	52.000	84	Alp Phe	2.3970	4500.0	104	48882	No
15	GOM_NL__2PRFIN20110706_012910_000000603104_00161_48882_2444.N1	06-JUL-2011 01:29:10	Straylight	60.000	63	Bet Gru	2.1500	2800.0	120	48882	No
16	GOM_NL__2PRFIN20110706_013059_000000493104_00161_48882_2445.N1	06-JUL-2011 01:31:59	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	48882	No
17	GOM_NL__2PRFIN20110706_013249_000000413104_00161_48882_2446.N1	06-JUL-2011 01:32:49	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	48882	No
18	GOM_NL__2PRFIN20110706_014200_000000443104_00161_48882_2447.N1	06-JUL-2011 01:42:00	Twilight	44.000	103	38Zet Sgr	2.6000	9700.0	88	48882	No
19	GOM_NL__2PRFIN20110706_014438_000000433104_00161_48882_2448.N1	06-JUL-2011 01:44:38	Bright	43.000	155	41Pi Sgr	2.9000	6600.0	86	48882	No
20	GOM_NL__2PRFIN20110706_015612_000000453104_00161_48882_2449.N1	06-JUL-2011 01:56:12	Bright	45.000	168	17Zet Aql	2.9860	11000.	90	48882	No
21	GOM_NL__2PRFIN20110706_020314_000000423104_00161_48882_2450.N1	06-JUL-2011 02:03:14	Bright	41.500	5	3Alp Lyr	0.033000	11000.	83	48882	No
22	GOM_NL__2PRFIN20110706_020616_000000353104_00161_48882_2451.N1	06-JUL-2011 02:06:16	Bright	34.500	130	23Bet Dra	2.7990	5800.0	69	48882	No
23	GOM_NL__2PRFIN20110706_021422_000000453104_00161_48882_2452.N1	06-JUL-2011 02:14:22	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	48882	No
24	GOM_NL__2PRFIN20110706_022252_000000503104_00161_48882_2453.N1	06-JUL-2011 02:22:52	Bright	49.500	76	27Gam Cas	2.3000	30000.	99	48882	No
25	GOM_NL__2PRFIN20110706_022708_000000583104_00161_48882_2454.N1	06-JUL-2011 02:27:08	Bright	58.000	160	23Gam Per	2.9300	4700.0	116	48882	No
26	GOM_NL__2PRFIN20110706_022859_000000473104_00161_48882_2455.N1	06-JUL-2011 02:28:59	Bright	46.500	175	39Del Per	3.0100	19400.	93	48882	No
27	GOM_NL__2PRFIN20110706_023029_000000703104_00161_48882_2456.N1	06-JUL-2011 02:30:29	Bright	70.000	73	57Gam1And	2.2600	13100.	140	48882	No
28	GOM_NL__2PRFIN20110706_023342_000000413104_00161_48882_2457.N1	06-JUL-2011 02:33:42	Bright	41.000	150	44Zet Per	2.8900	28000.	82	48882	No
29	GOM_NL__2PRFIN20110706_023605_000000413104_00161_48882_2458.N1	06-JUL-2011 02:36:05	Twilight	40.500	146	25Eta Tau	2.8730	15200.	81	48882	No
30	GOM_NL__2PRFIN20110706_024305_000000423104_00161_48882_2459.N1	06-JUL-2011 02:43:05	Dark	41.500	94	92Alp Cet	2.5260	3100.0	83	48882	No
31	GOM_NL__2PRFIN20110706_030307_000000503104_00162_48883_2601.N1	06-JUL-2011 03:03:07	Dark	50.000	84	Alp Phe	2.3970	4500.0	100	48883	No
32	GOM_NL__2PRFIN20110706_030925_000000543104_00162_48883_2602.N1	06-JUL-2011 03:09:25	Straylight	54.000	63	Bet Gru	2.1500	2800.0	108	48883	No
33	GOM_NL__2PRFIN20110706_031114_000000503104_00162_48883_2603.N1	06-JUL-2011 03:11:14	Straylight	49.500	31	Alp Gru	1.7340	15200.	99	48883	No
34	GOM_NL__2PRFIN20110706_031304_000000443104_00162_48883_2604.N1	06-JUL-2011 03:13:04	Straylight	43.500	45	Alp Pav	1.9400	26000.	87	48883	No
35	GOM_NL__2PRFIN20110706_032215_000000453104_00162_48883_2605.N1	06-JUL-2011 03:22:15	Twilight	45.000	103	38Zet Sgr	2.6000	9700.0	90	48883	No
36	GOM_NL__2PRFIN20110706_032452_000000423104_00162_48883_2606.N1	06-JUL-2011 03:24:52	Bright	42.000	155	41Pi Sgr	2.9000	6600.0	84	48883	No
37	GOM_NL__2PRFIN20110706_033626_000000653104_00162_48883_2607.N1	06-JUL-2011 03:36:26	Bright	65.000	168	17Zet Aql	2.9860	11000.	130	48883	No
38	GOM_NL__2PRFIN20110706_034327_000000443104_00162_48883_2608.N1	06-JUL-2011 03:43:27	Bright	43.500	5	3Alp Lyr	0.033000	11000.	87	48883	No
39	GOM_NL__2PRFIN20110706_034630_000000373104_00162_48883_2609.N1	06-JUL-2011 03:46:30	Bright	37.000	130	23Bet Dra	2.7990	5800.0	74	48883	No
40	GOM_NL__2PRFIN20110706_035435_000000453104_00162_48883_2610.N1	06-JUL-2011 03:54:35	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	48883	No
41	GOM_NL__2PRFIN20110706_040305_000000453104_00162_48883_2611.N1	06-JUL-2011 04:03:05	Bright	44.500	76	27Gam Cas	2.3000	30000.	89	48883	No
42	GOM_NL__2PRFIN20110706_040722_000000583104_00162_48883_2612.N1	06-JUL-2011 04:07:22	Bright	58.000	160	23Gam Per	2.9300	4700.0	116	48883	No

220	GOM_NL__2PRFIN20110706_223855_000000423104_00173_48894_2956.N1	06-JUL-2011 22:38:55	Twilight	41.500	146	25Eta Tau	2.8730	15200.	83	48894	No
221	GOM_NL__2PRFIN20110706_224559_000000523104_00173_48894_2957.N1	06-JUL-2011 22:45:59	Dark	51.500	94	92Alp Cet	2.5260	3100.0	103	48894	No
222	GOM_NL__2PRFIN20110706_230607_000000503104_00174_48895_2975.N1	06-JUL-2011 23:06:07	Dark	50.000	84	Alp Phe	2.3970	4500.0	100	48895	No
223	GOM_NL__2PRFIN20110706_231224_000000503104_00174_48895_2976.N1	06-JUL-2011 23:12:24	Straylight	50.000	63	Bet Gru	2.1500	2800.0	100	48895	No
224	GOM_NL__2PRFIN20110706_231412_000000493104_00174_48895_2977.N1	06-JUL-2011 23:14:12	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	48895	No
225	GOM_NL__2PRFIN20110706_231557_000000393104_00174_48895_2978.N1	06-JUL-2011 23:15:57	Straylight	39.000	45	Alp Pav	1.9400	26000.	78	48895	No
226	GOM_NL__2PRFIN20110706_232505_000000473104_00174_48895_2979.N1	06-JUL-2011 23:25:05	Twilight_and_stray	47.000	103	38Zet Sgr	2.6000	9700.0	94	48895	No
227	GOM_NL__2PRFIN20110706_232742_000000423104_00174_48895_2980.N1	06-JUL-2011 23:27:42	Bright	42.000	155	41Pi Sgr	2.9000	6600.0	84	48895	No
228	GOM_NL__2PRFIN20110706_233909_000000433104_00174_48895_2981.N1	06-JUL-2011 23:39:09	Bright	43.000	168	17Zet Aql	2.9860	11000.	86	48895	No
229	GOM_NL__2PRFIN20110706_234611_000000593104_00174_48895_2982.N1	06-JUL-2011 23:46:11	Bright	59.000	5	3Alp Lyr	0.033000	11000.	118	48895	No
230	GOM_NL__2PRFIN20110706_234916_000000383104_00174_48895_2983.N1	06-JUL-2011 23:49:16	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	48895	No
231	GOM_NL__2PRFIN20110706_235715_000000443104_00174_48895_2984.N1	06-JUL-2011 23:57:15	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	48895	No

3. Quality information per product

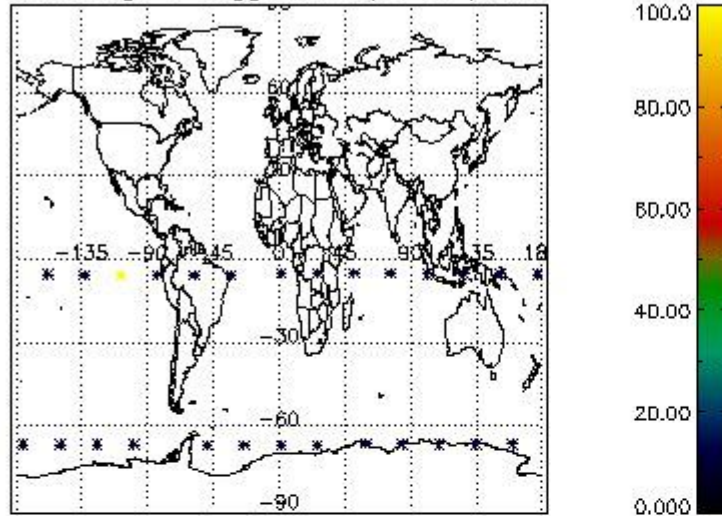
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

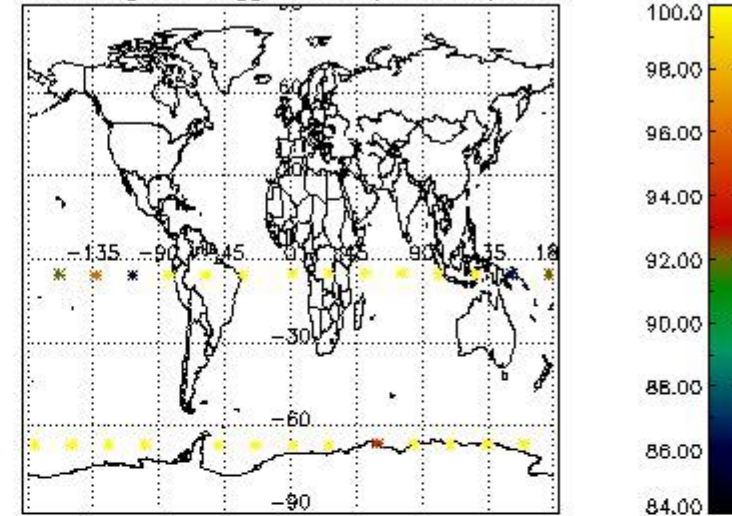


3.2 Plot quality information per product (world map)

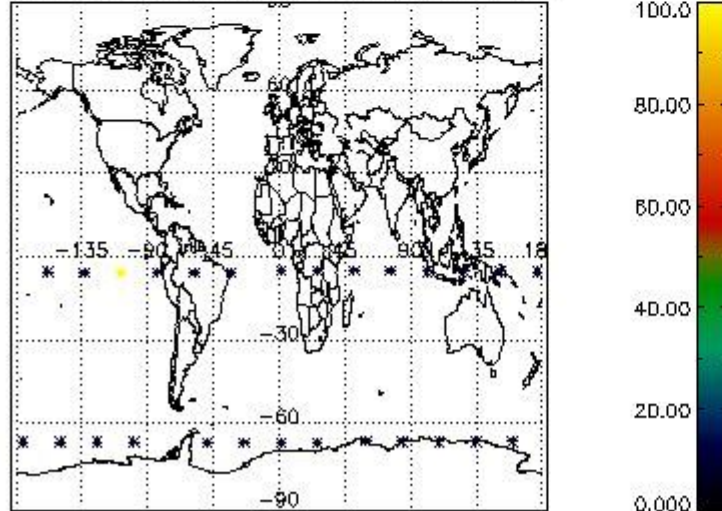
Percentage of flagged data per O3 profile



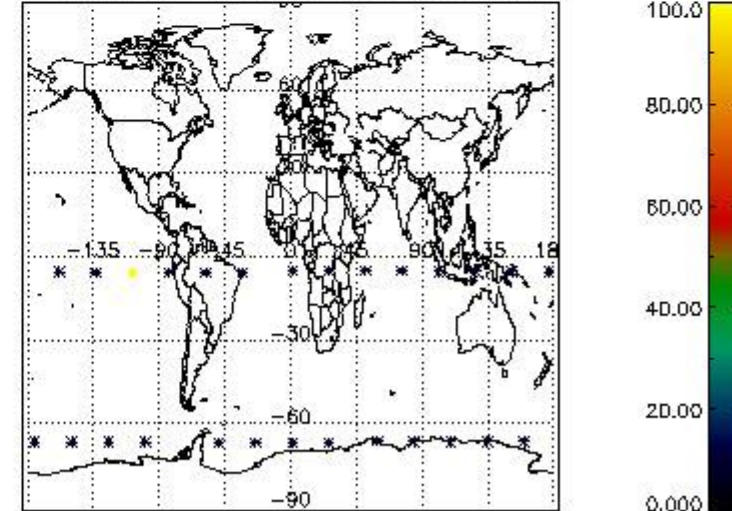
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

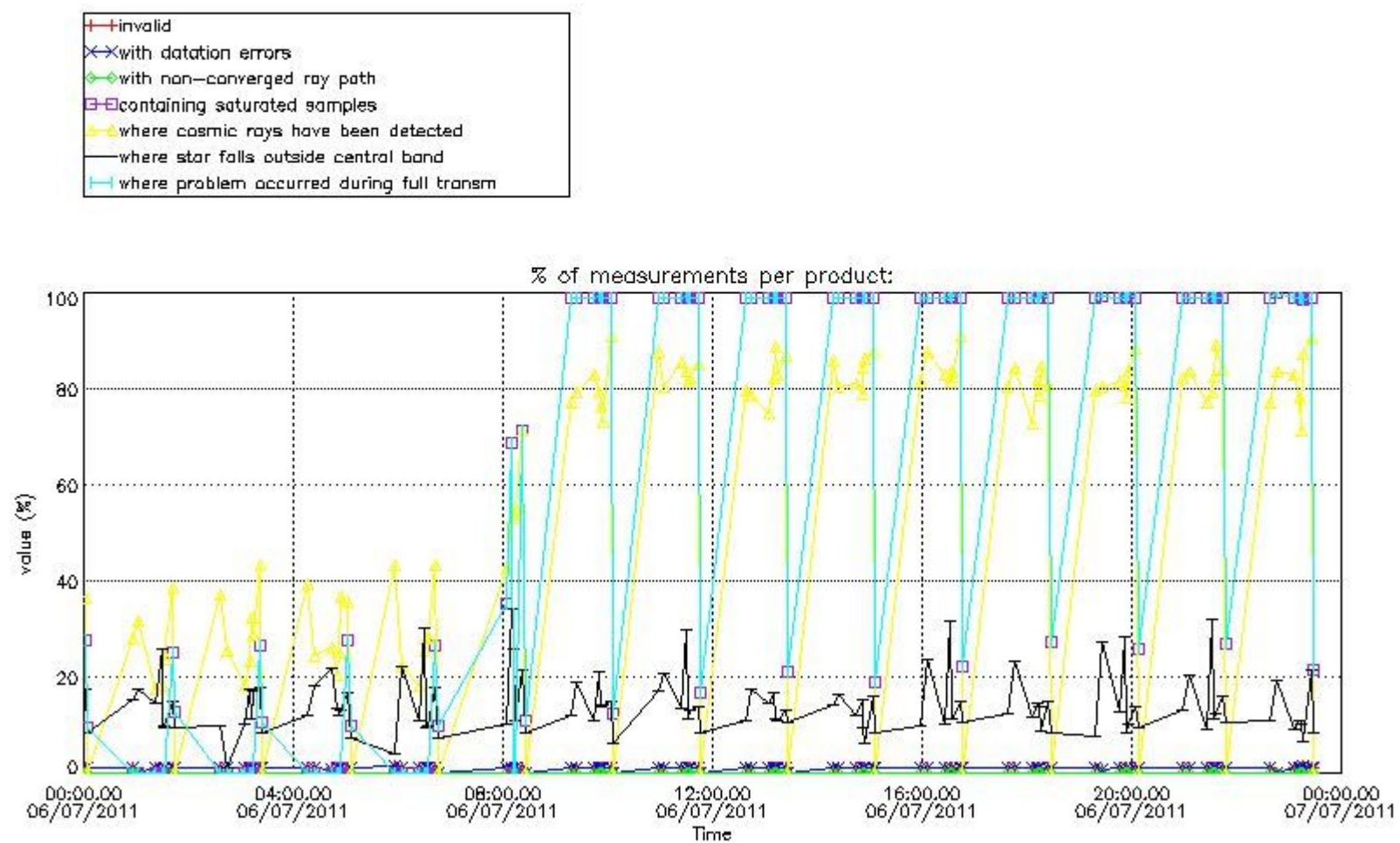


4. Level 1 quality information per product

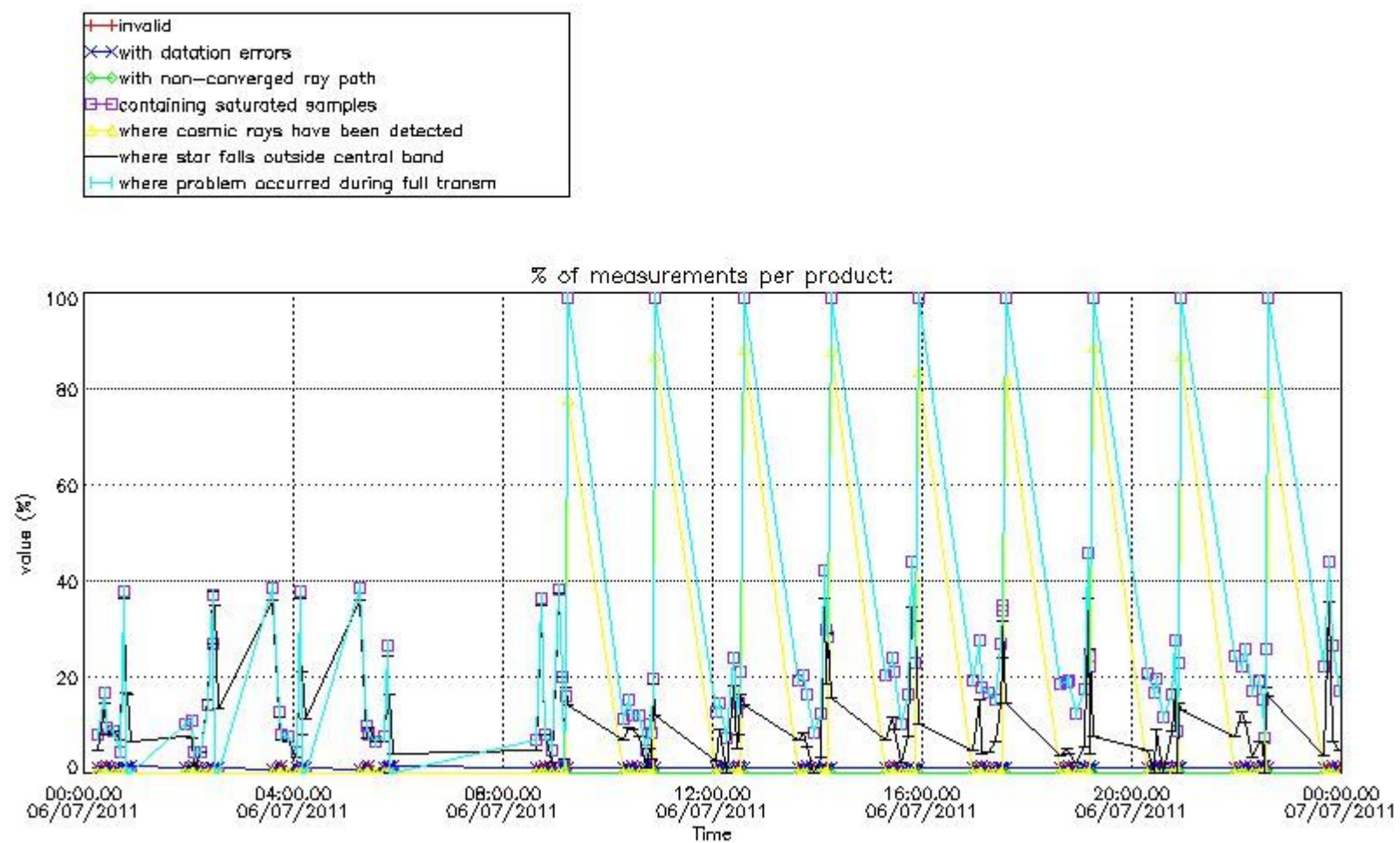
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

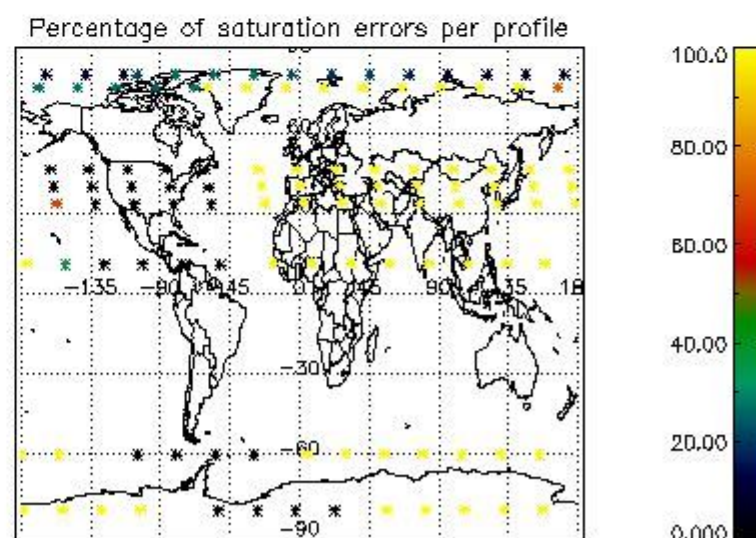
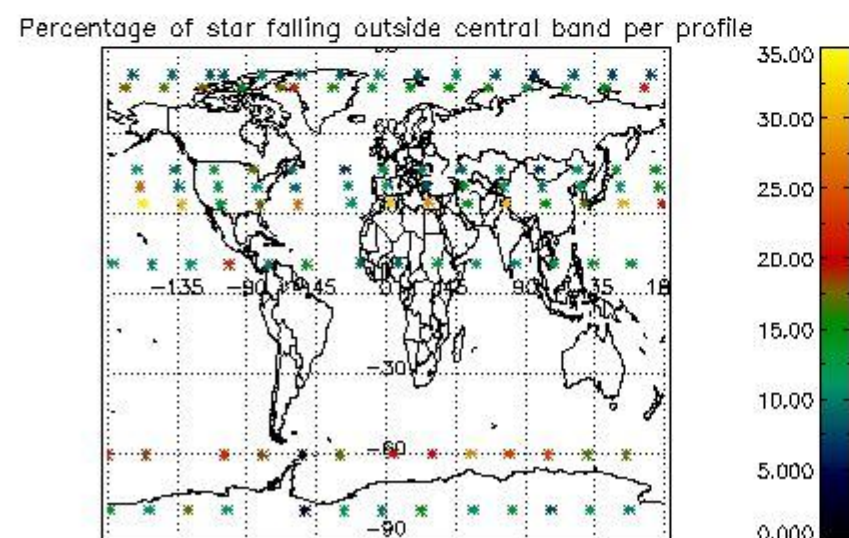
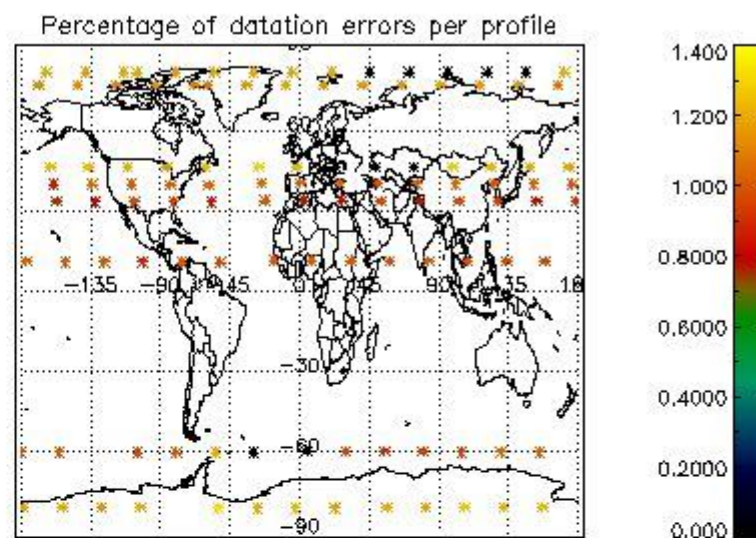
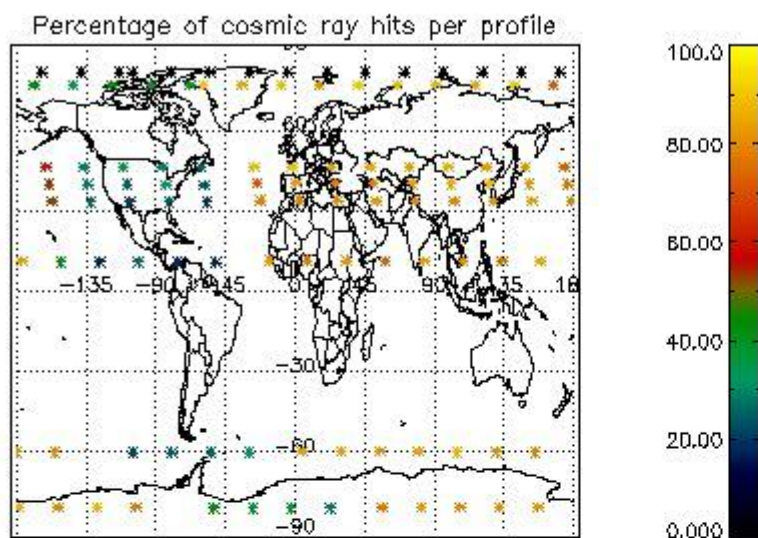


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



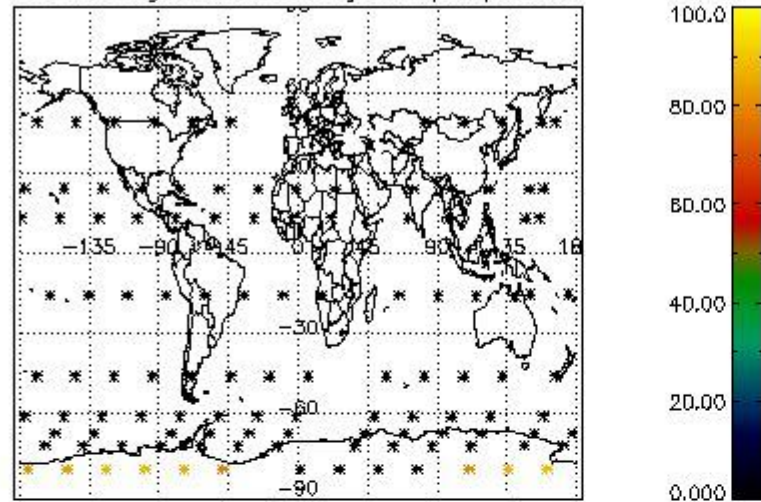
4.2 Plot quality information per product coming from level 1b processing (world map)

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

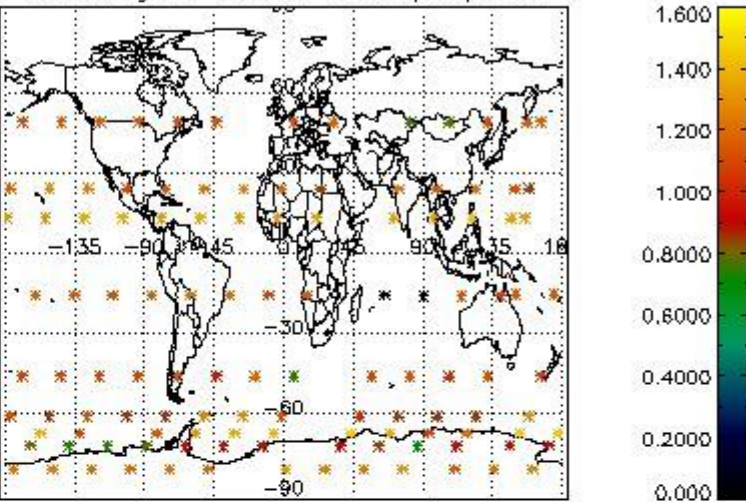


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

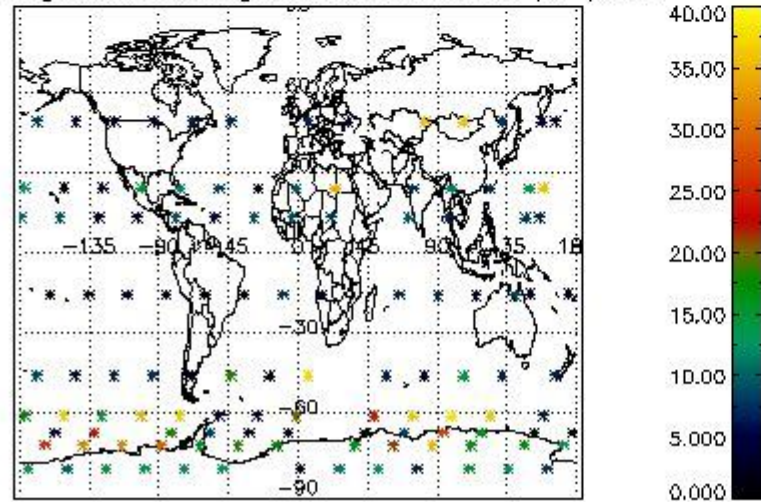
Percentage of cosmic ray hits per profile



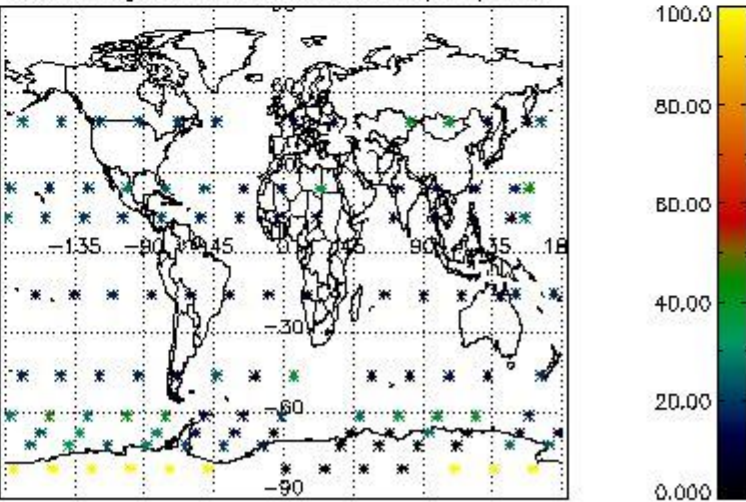
Percentage of datation errors per profile



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

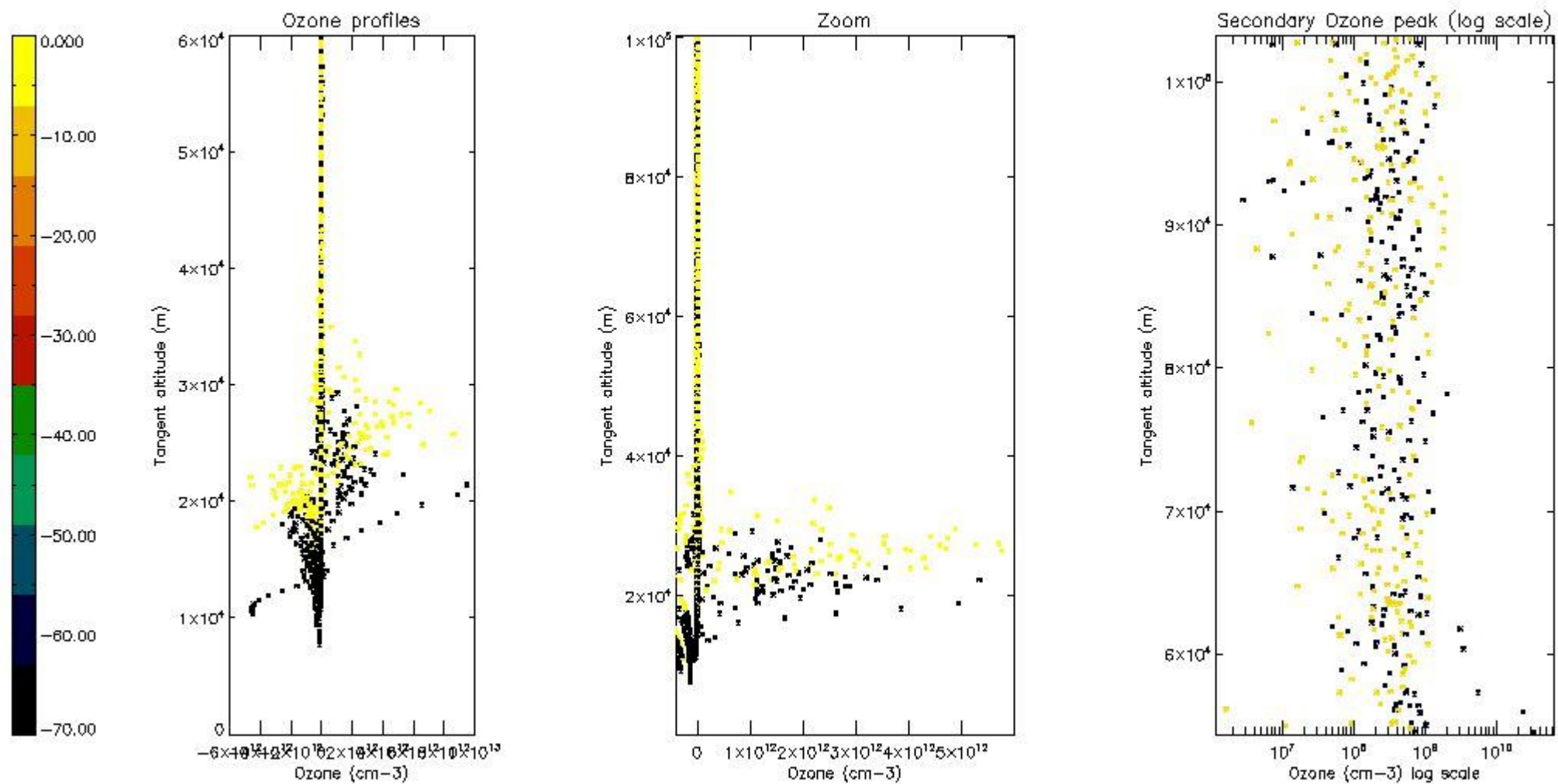
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	13
STD < 20	2

STD < 10	1
STD < 5	0

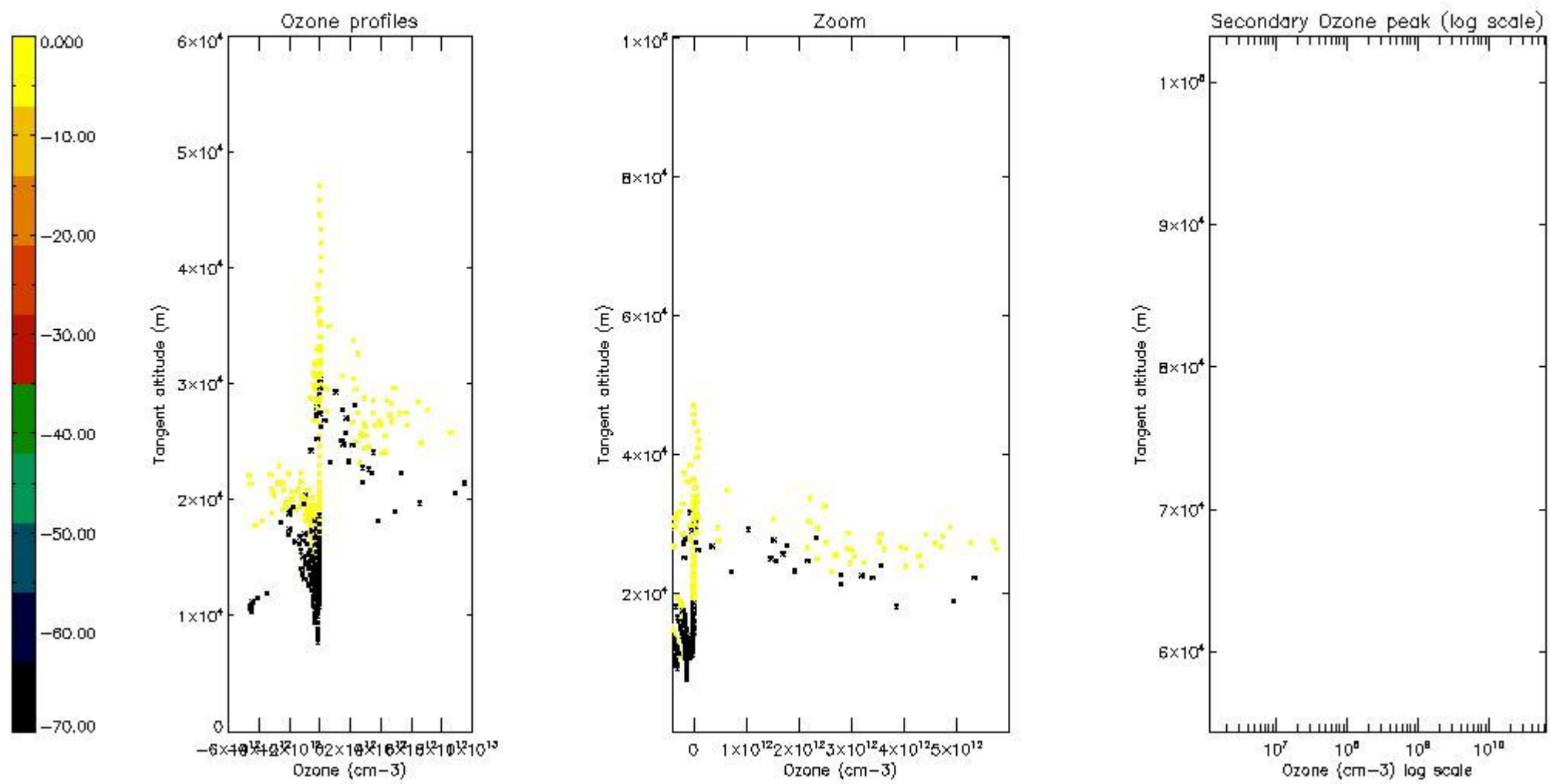
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



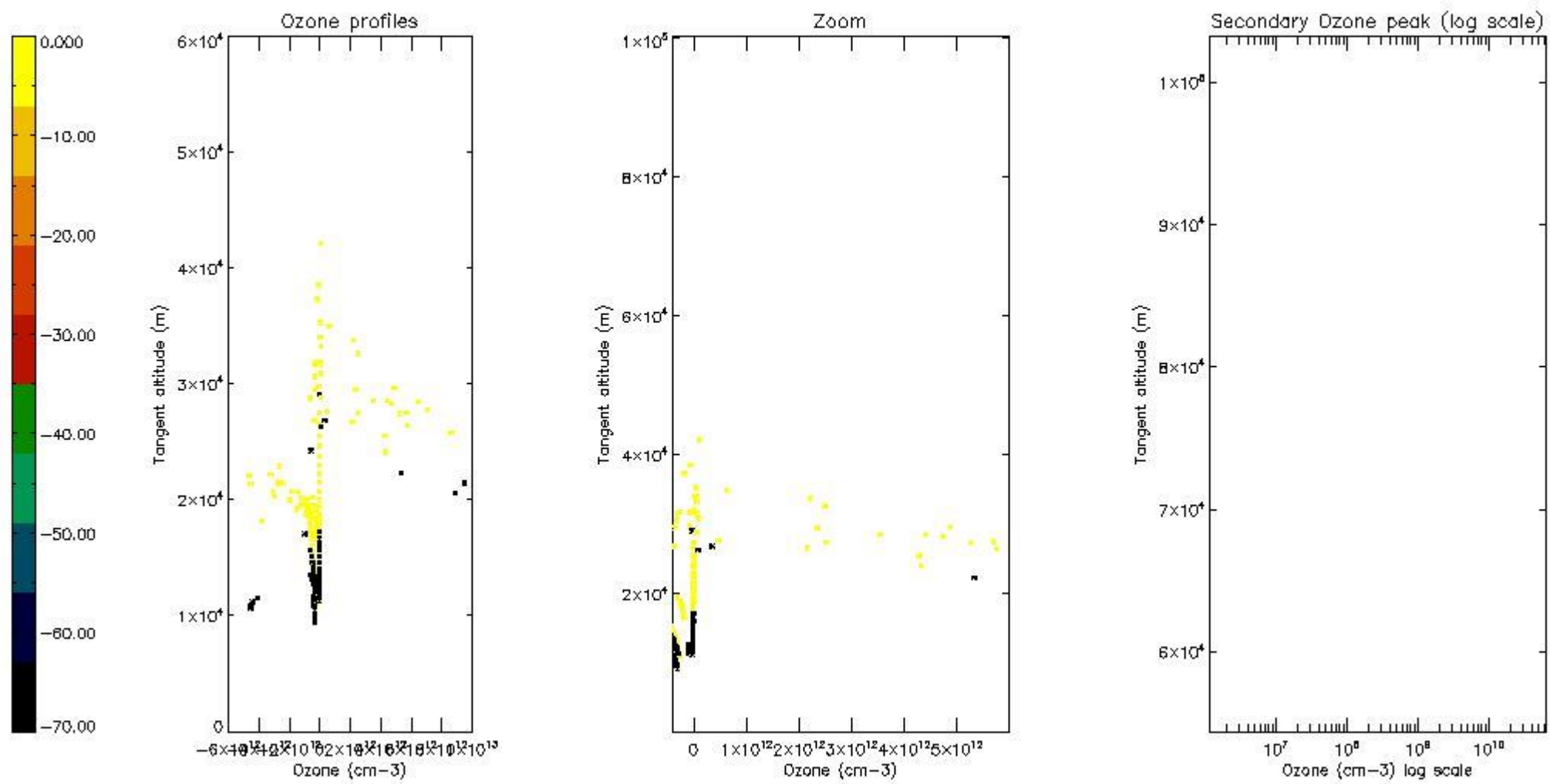
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



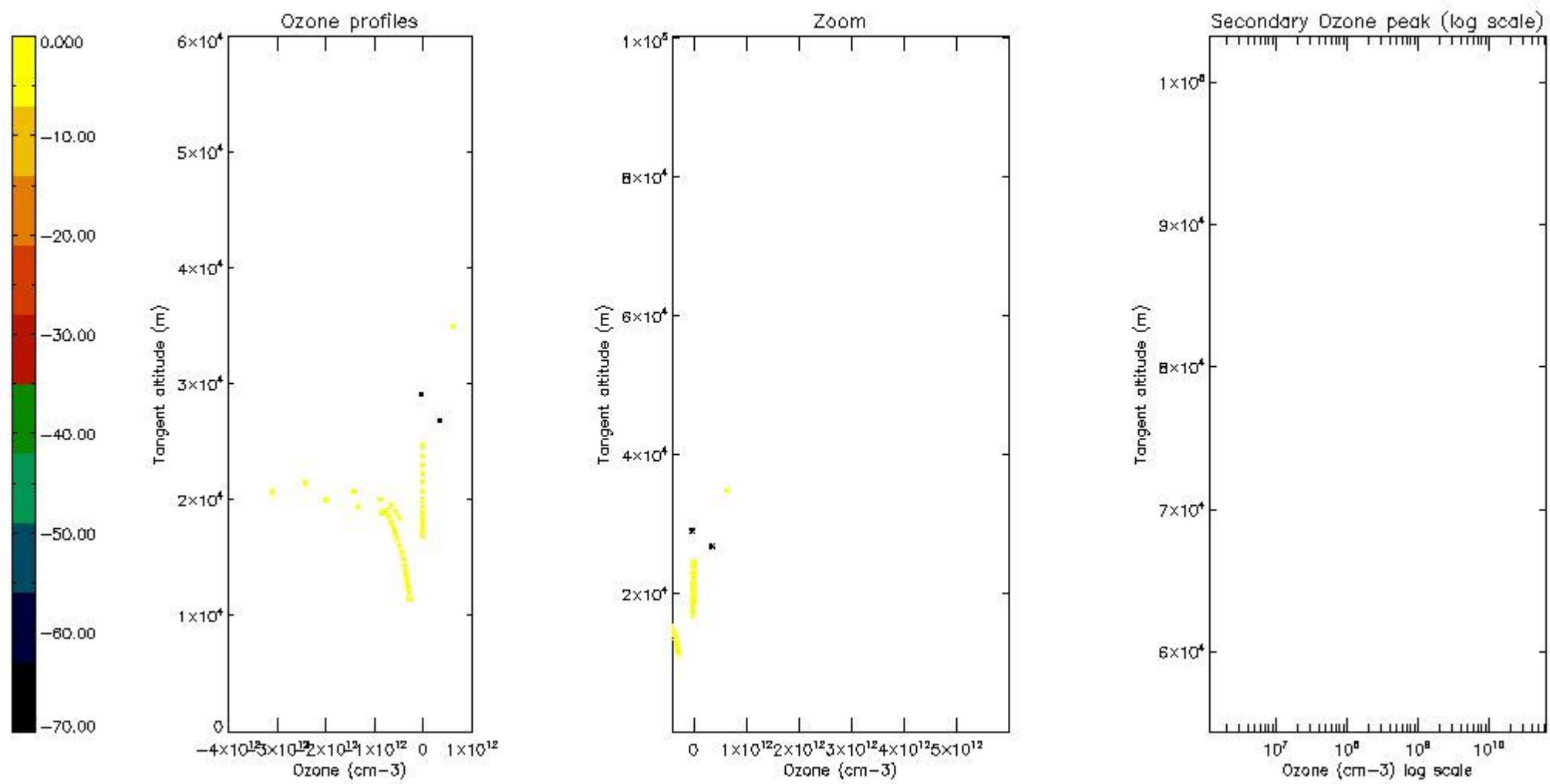
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



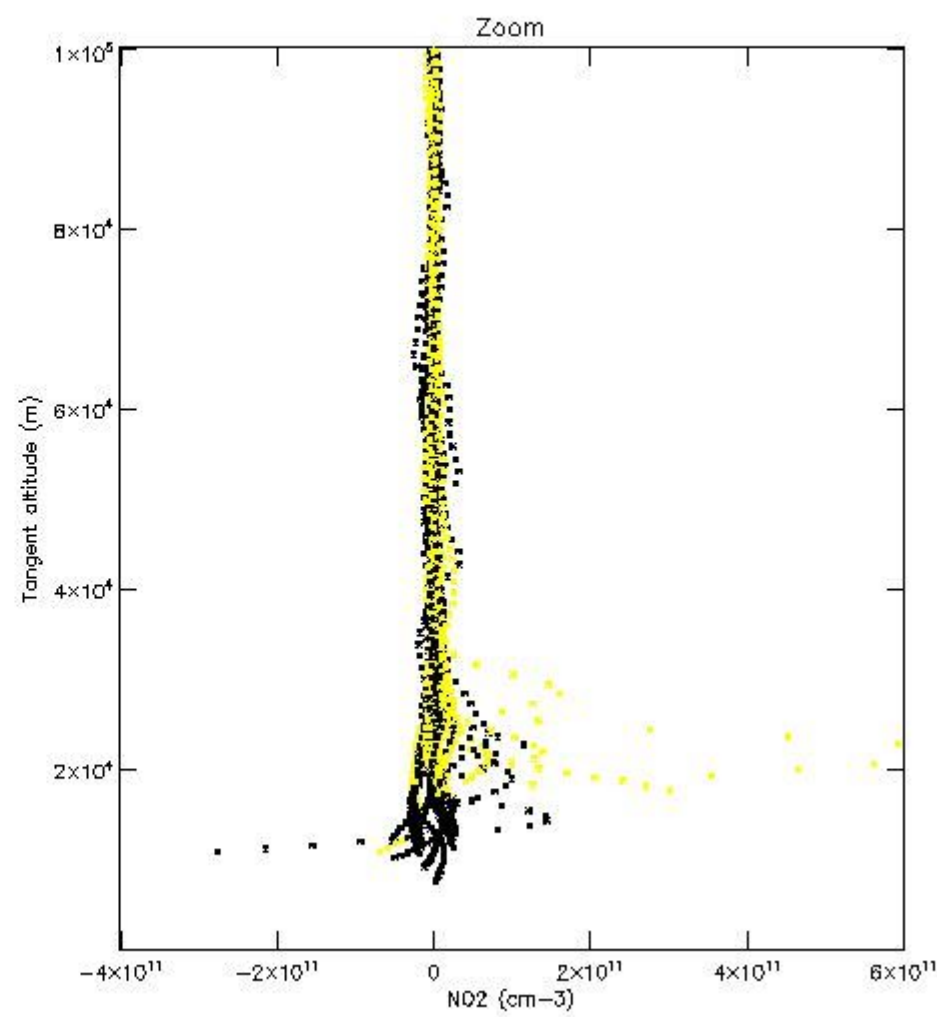
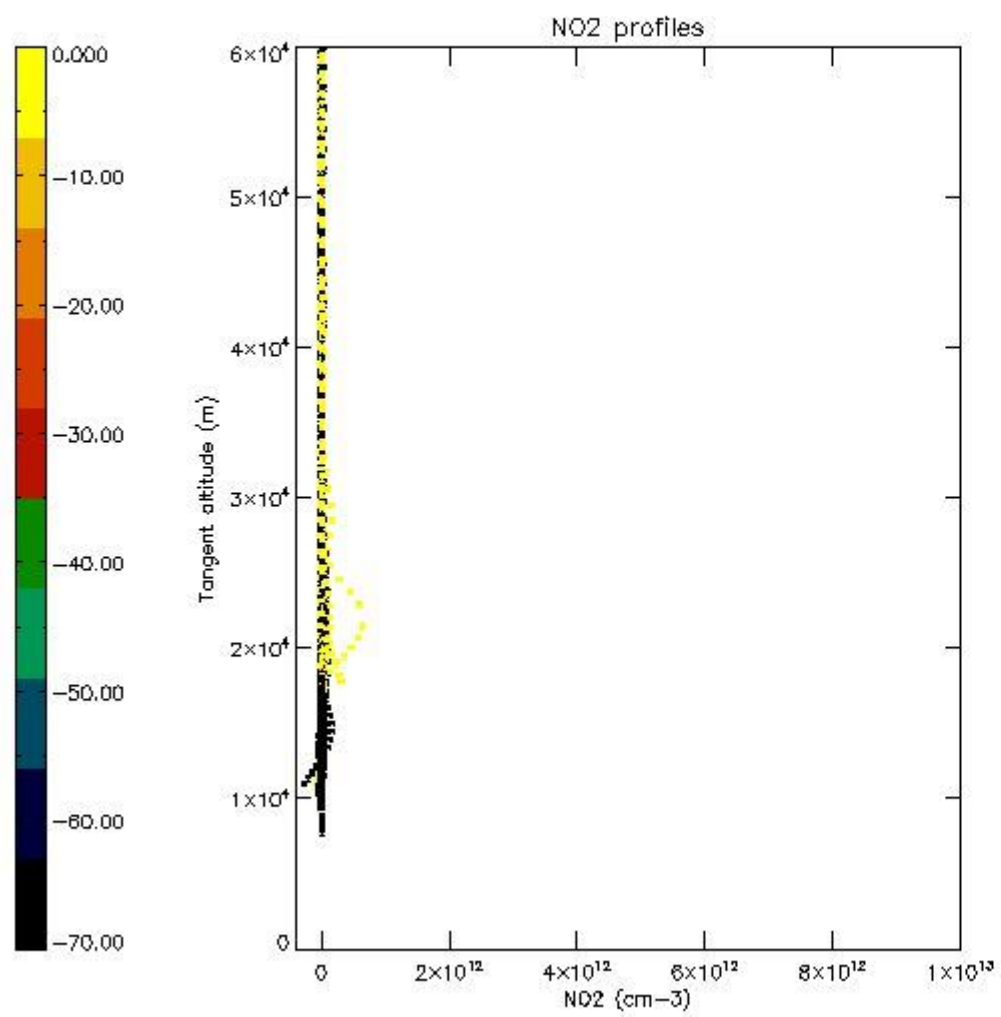
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



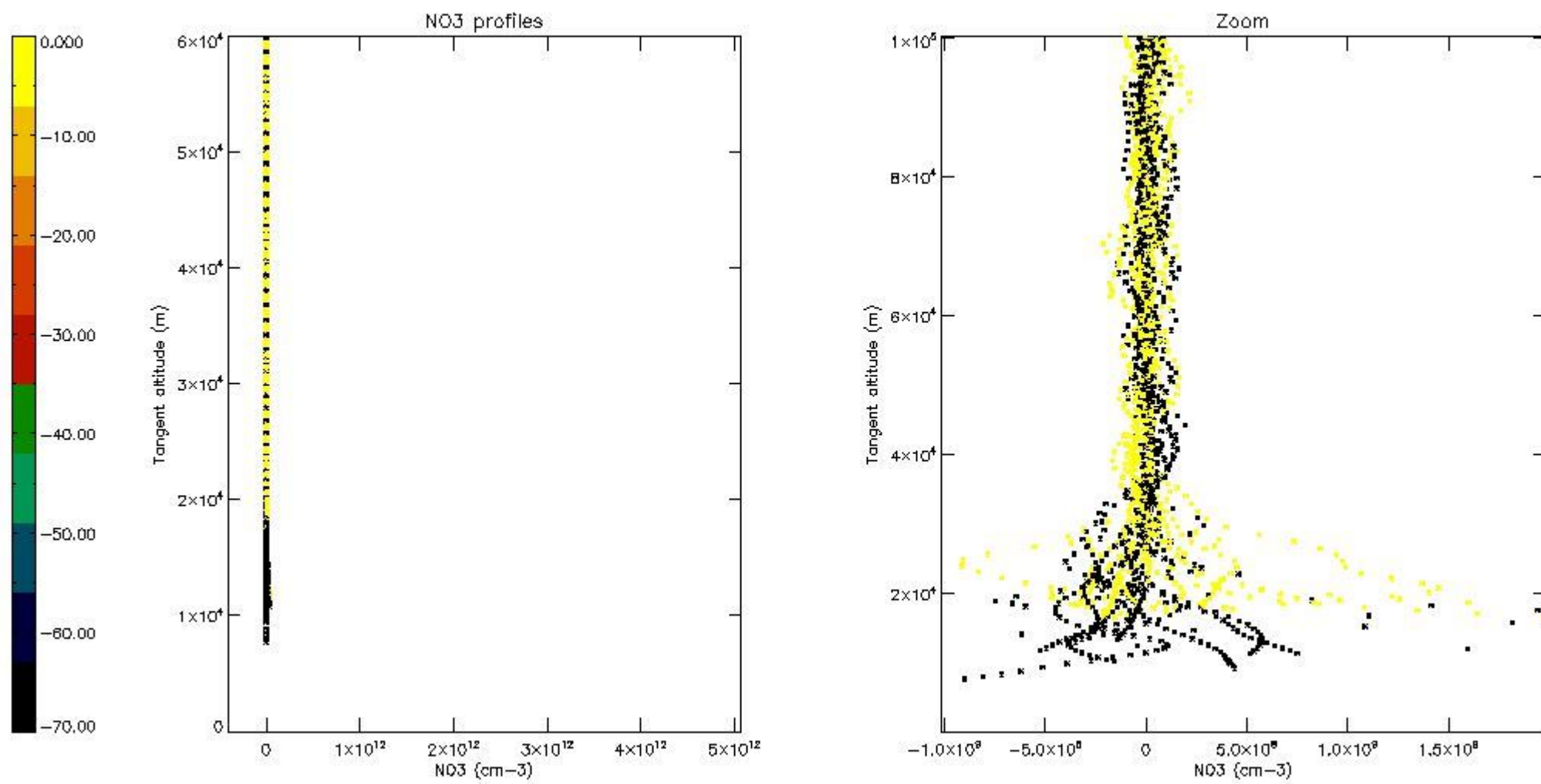
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



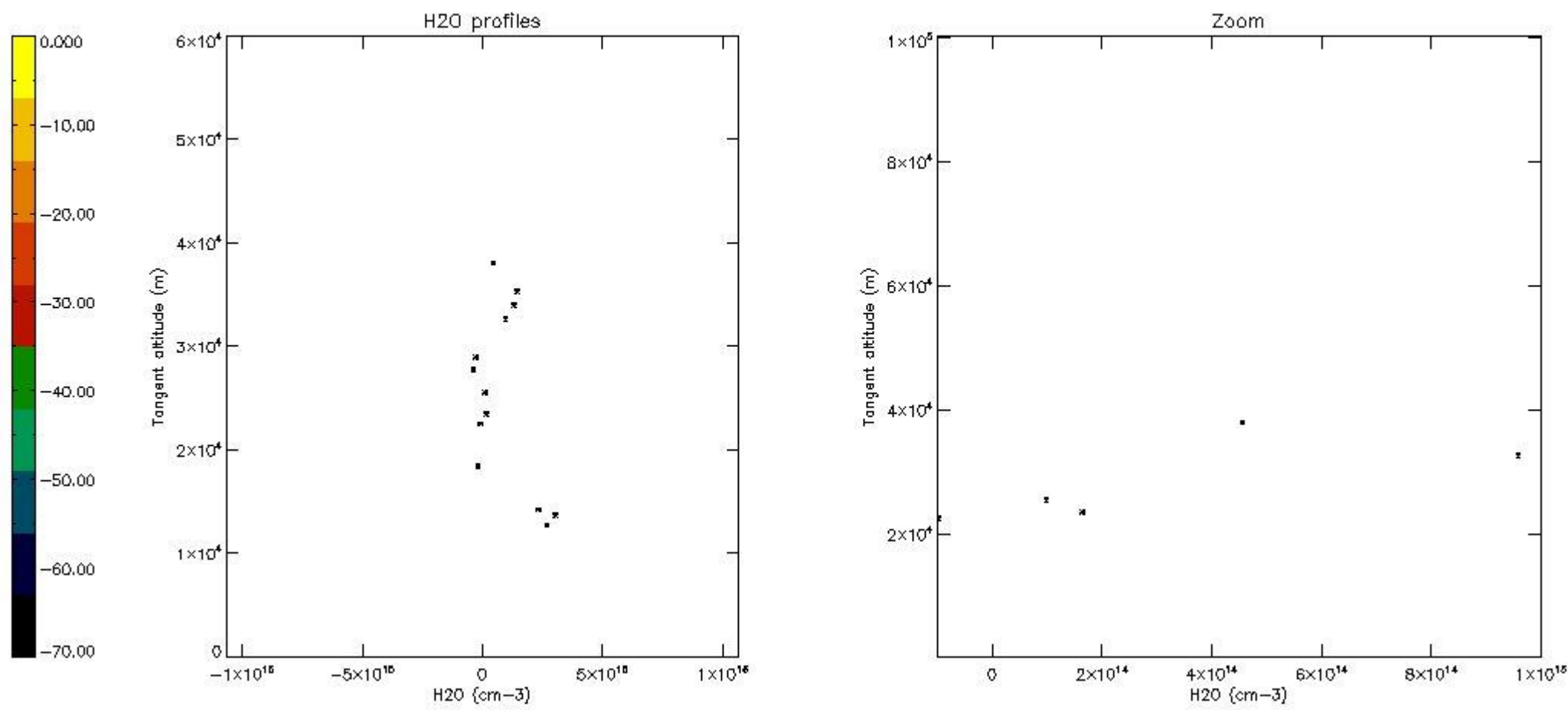
5.7 Plot NO3 profiles for all STD (dark without errors)

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	06-JUL-2011 00:01:46
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	06-JUL-2011 00:01:46
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	06-JUL-2011 00:01:46

GOMOS Level 2 Daily Report

SUMMARY

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[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](#)

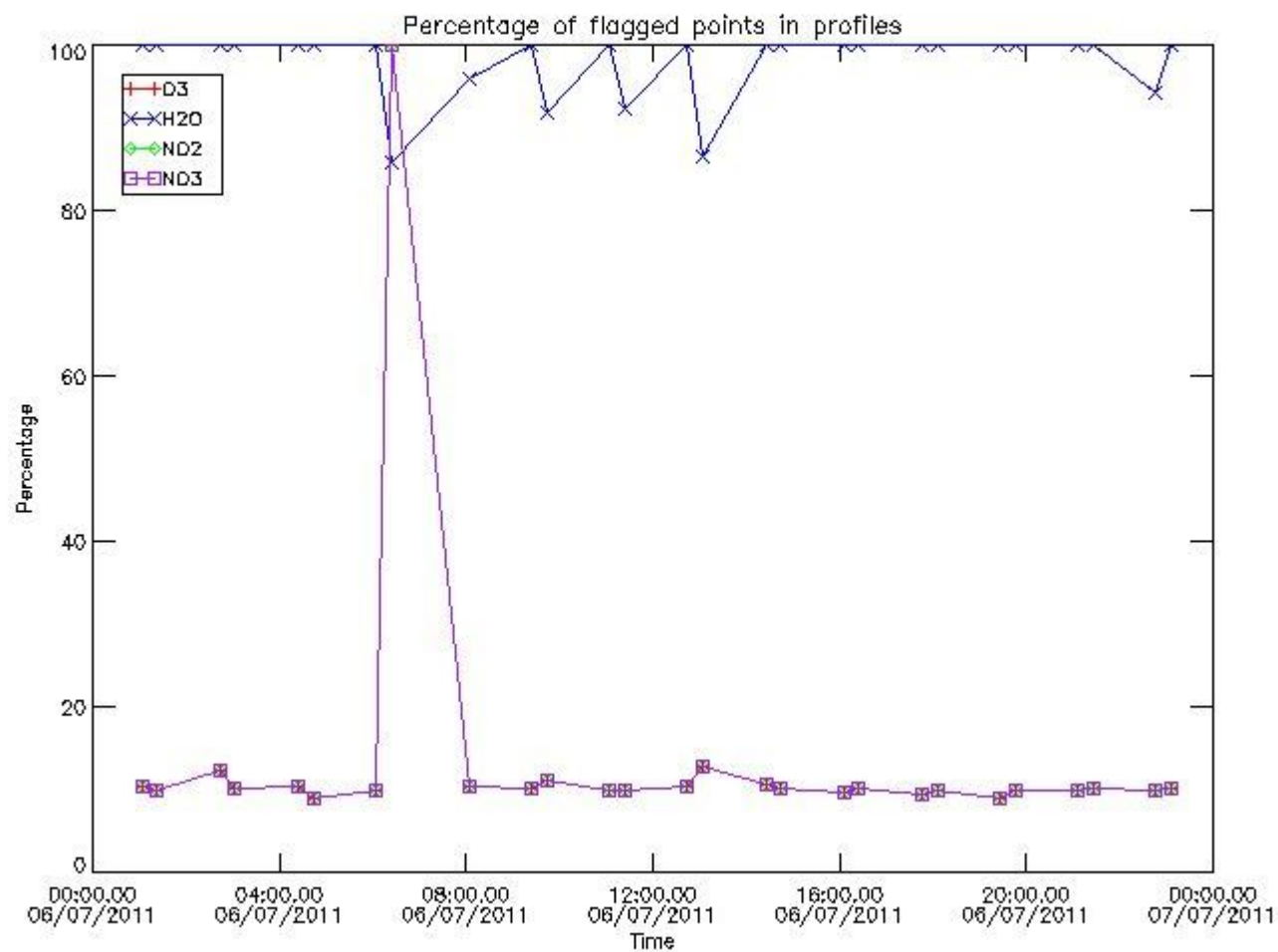
[6. Auxiliary Data Files used for the production reported in section 2](#)

220	GOM_NL__2PRFIN20110706_223855_000000423104_00173_48894_2956.N1	06-JUL-2011 22:38:55	Twilight	41.500	146	25Eta Tau	2.8730	15200.	83	48894	No
221	GOM_NL__2PRFIN20110706_224559_000000523104_00173_48894_2957.N1	06-JUL-2011 22:45:59	Dark	51.500	94	92Alp Cet	2.5260	3100.0	103	48894	No
222	GOM_NL__2PRFIN20110706_230607_000000503104_00174_48895_2975.N1	06-JUL-2011 23:06:07	Dark	50.000	84	Alp Phe	2.3970	4500.0	100	48895	No
223	GOM_NL__2PRFIN20110706_231224_000000503104_00174_48895_2976.N1	06-JUL-2011 23:12:24	Straylight	50.000	63	Bet Gru	2.1500	2800.0	100	48895	No
224	GOM_NL__2PRFIN20110706_231412_000000493104_00174_48895_2977.N1	06-JUL-2011 23:14:12	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	48895	No
225	GOM_NL__2PRFIN20110706_231557_000000393104_00174_48895_2978.N1	06-JUL-2011 23:15:57	Straylight	39.000	45	Alp Pav	1.9400	26000.	78	48895	No
226	GOM_NL__2PRFIN20110706_232505_000000473104_00174_48895_2979.N1	06-JUL-2011 23:25:05	Tw_i_and_stray	47.000	103	38Zet Sgr	2.6000	9700.0	94	48895	No
227	GOM_NL__2PRFIN20110706_232742_000000423104_00174_48895_2980.N1	06-JUL-2011 23:27:42	Bright	42.000	155	41Pi Sgr	2.9000	6600.0	84	48895	No
228	GOM_NL__2PRFIN20110706_233909_000000433104_00174_48895_2981.N1	06-JUL-2011 23:39:09	Bright	43.000	168	17Zet Aql	2.9860	11000.	86	48895	No
229	GOM_NL__2PRFIN20110706_234611_000000593104_00174_48895_2982.N1	06-JUL-2011 23:46:11	Bright	59.000	5	3Alp Lyr	0.033000	11000.	118	48895	No
230	GOM_NL__2PRFIN20110706_234916_000000383104_00174_48895_2983.N1	06-JUL-2011 23:49:16	Bright	37.500	130	23Bet Dra	2.7990	5800.0	75	48895	No
231	GOM_NL__2PRFIN20110706_235715_000000443104_00174_48895_2984.N1	06-JUL-2011 23:57:15	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	48895	No

3. Quality information per product

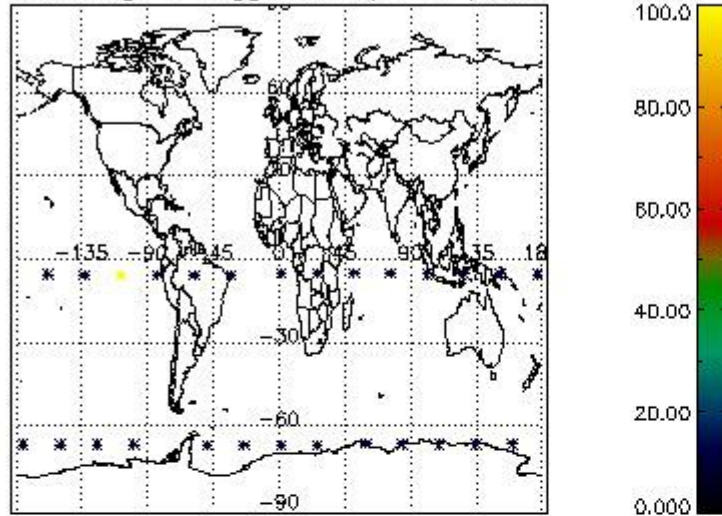
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

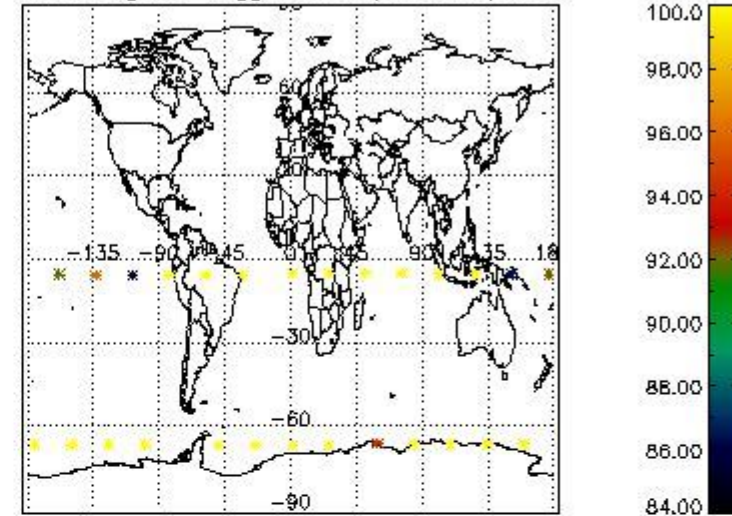


3.2 Plot quality information per product (world map)

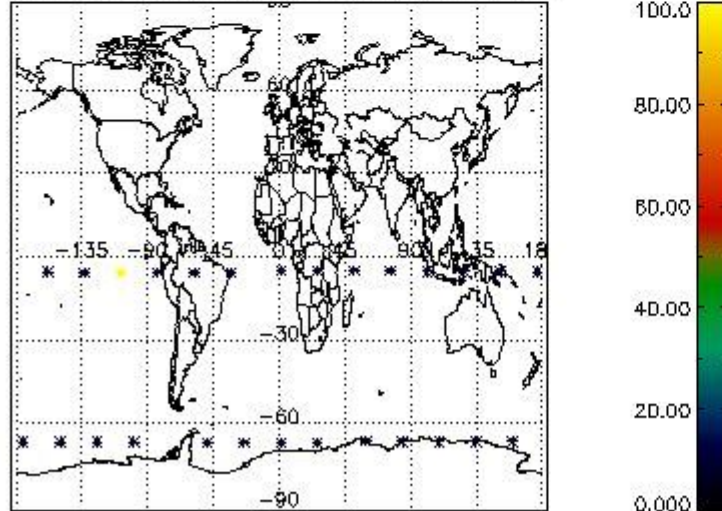
Percentage of flagged data per O3 profile



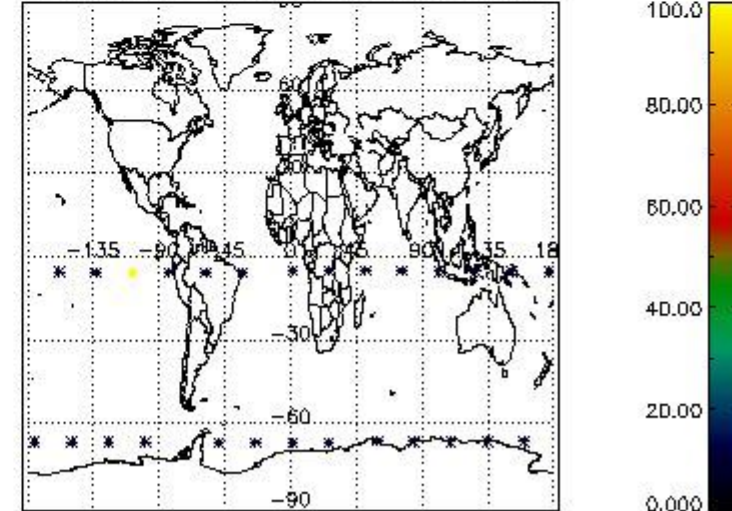
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

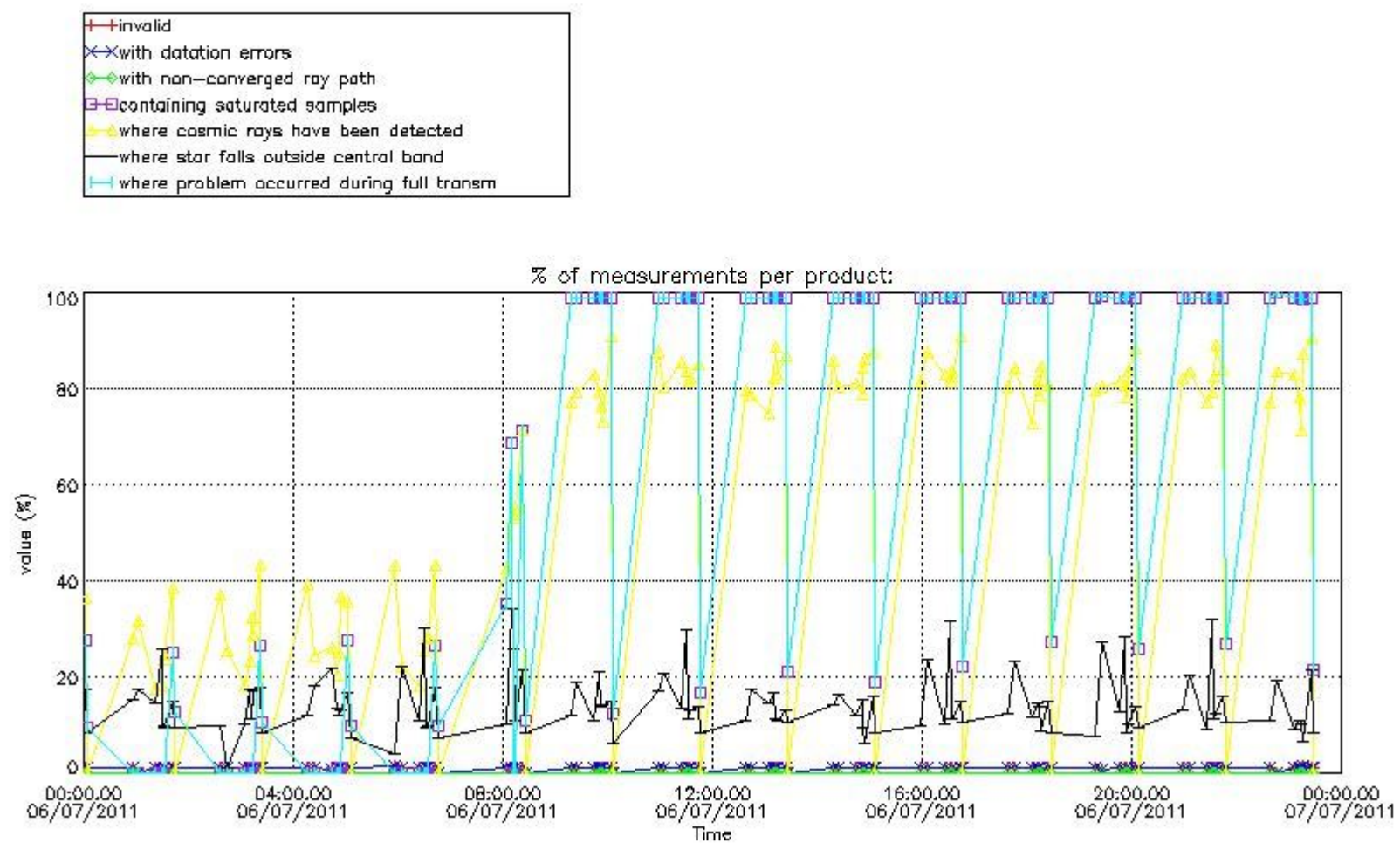


4. Level 1 quality information per product

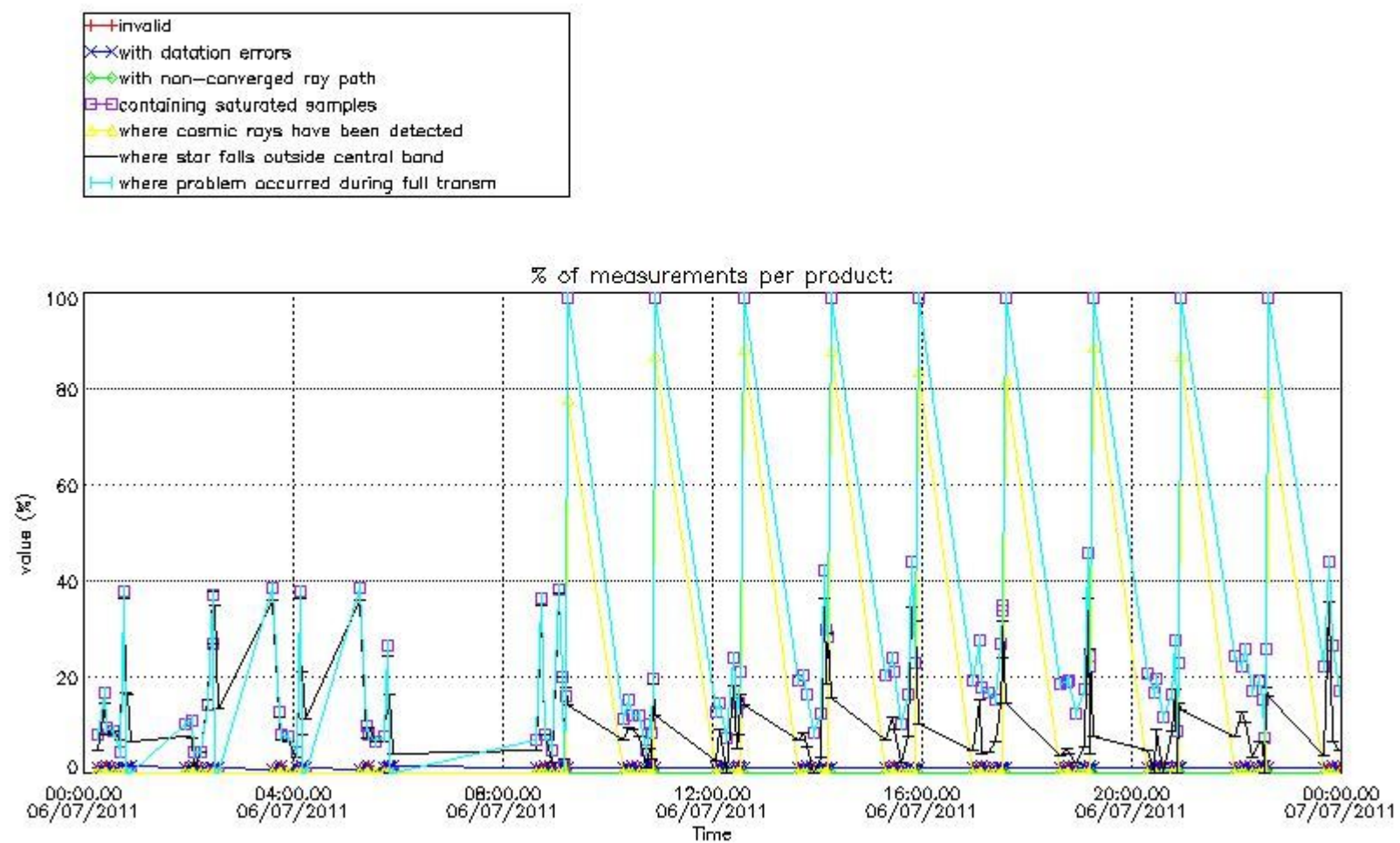
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

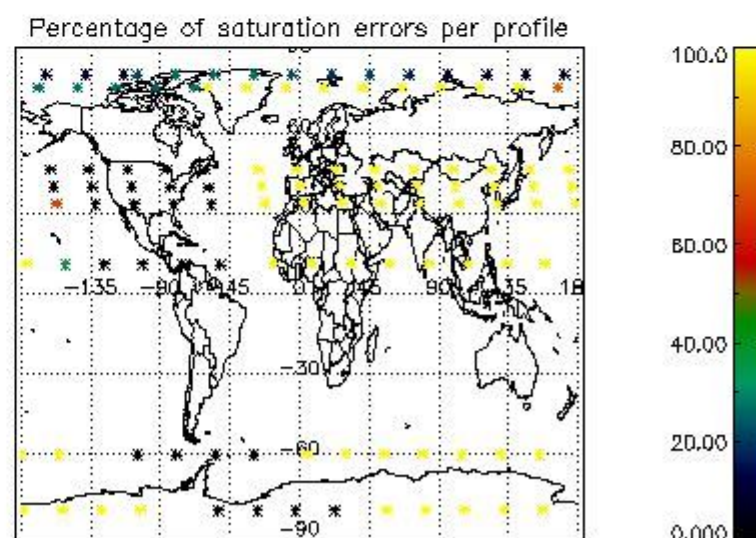
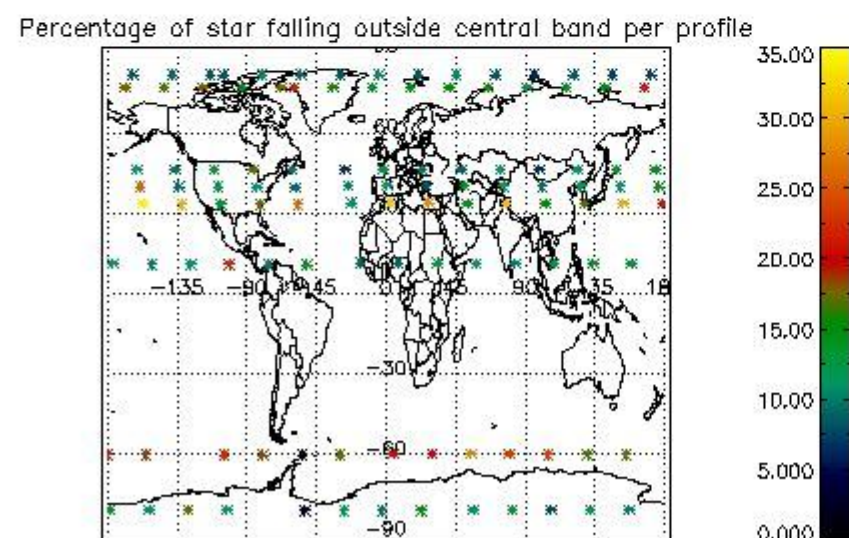
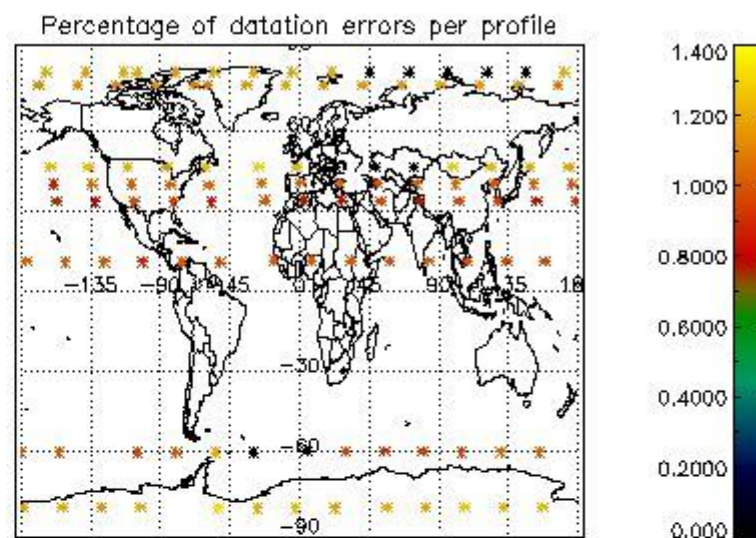
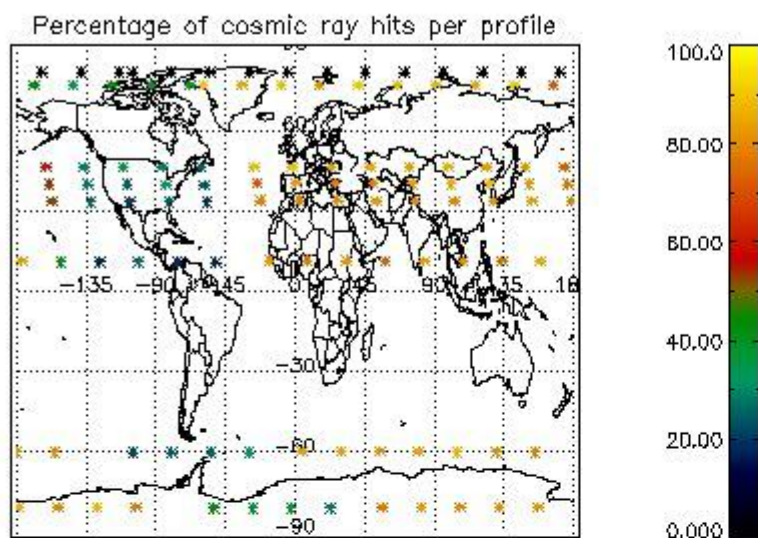


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



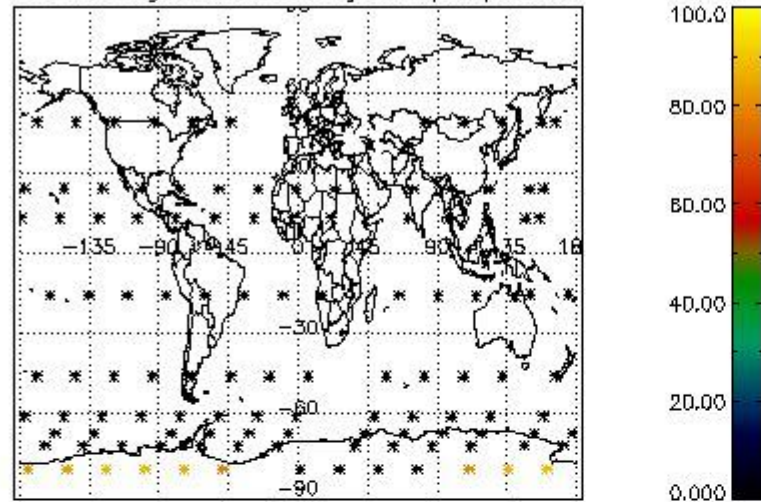
4.2 Plot quality information per product coming from level 1b processing (world map)

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

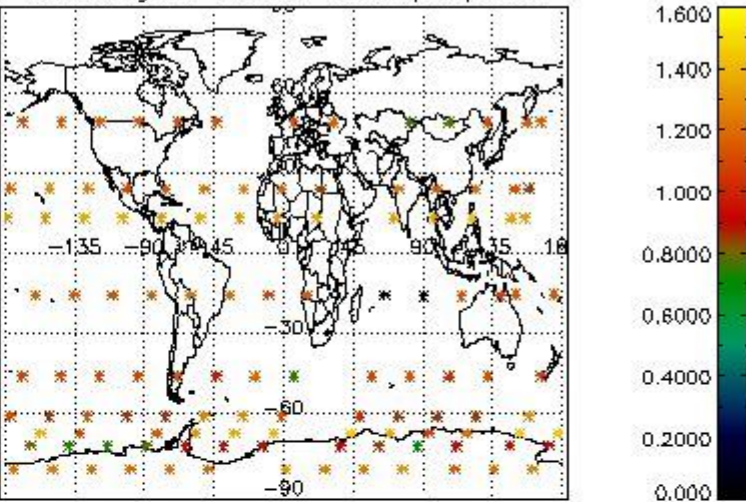


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

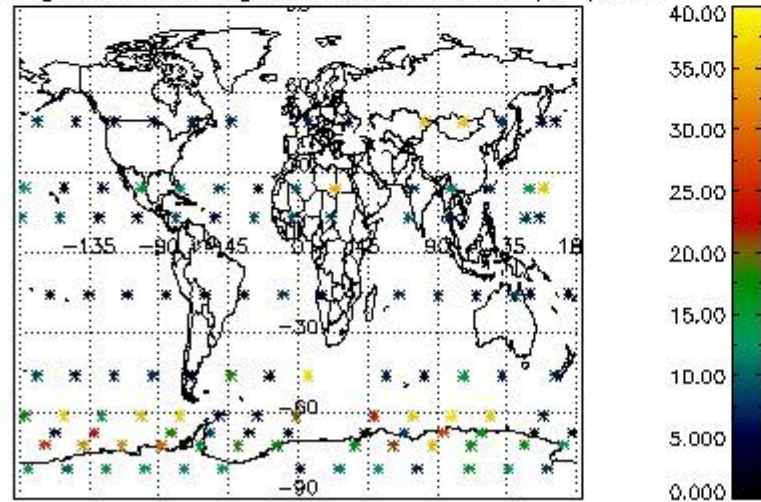
Percentage of cosmic ray hits per profile



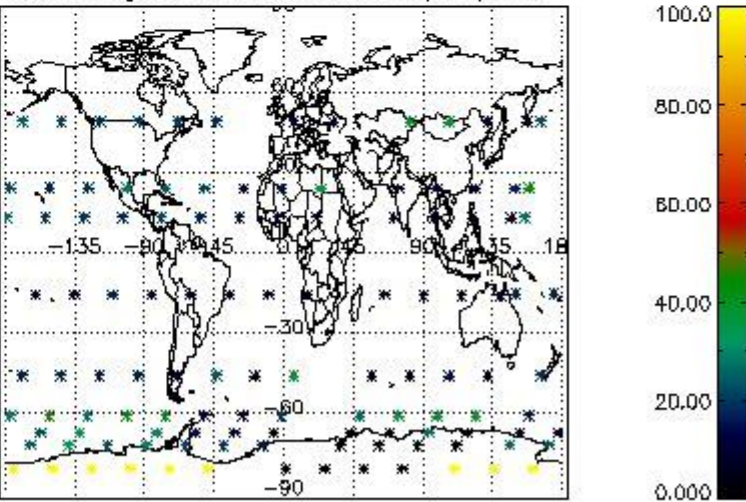
Percentage of datation errors per profile



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

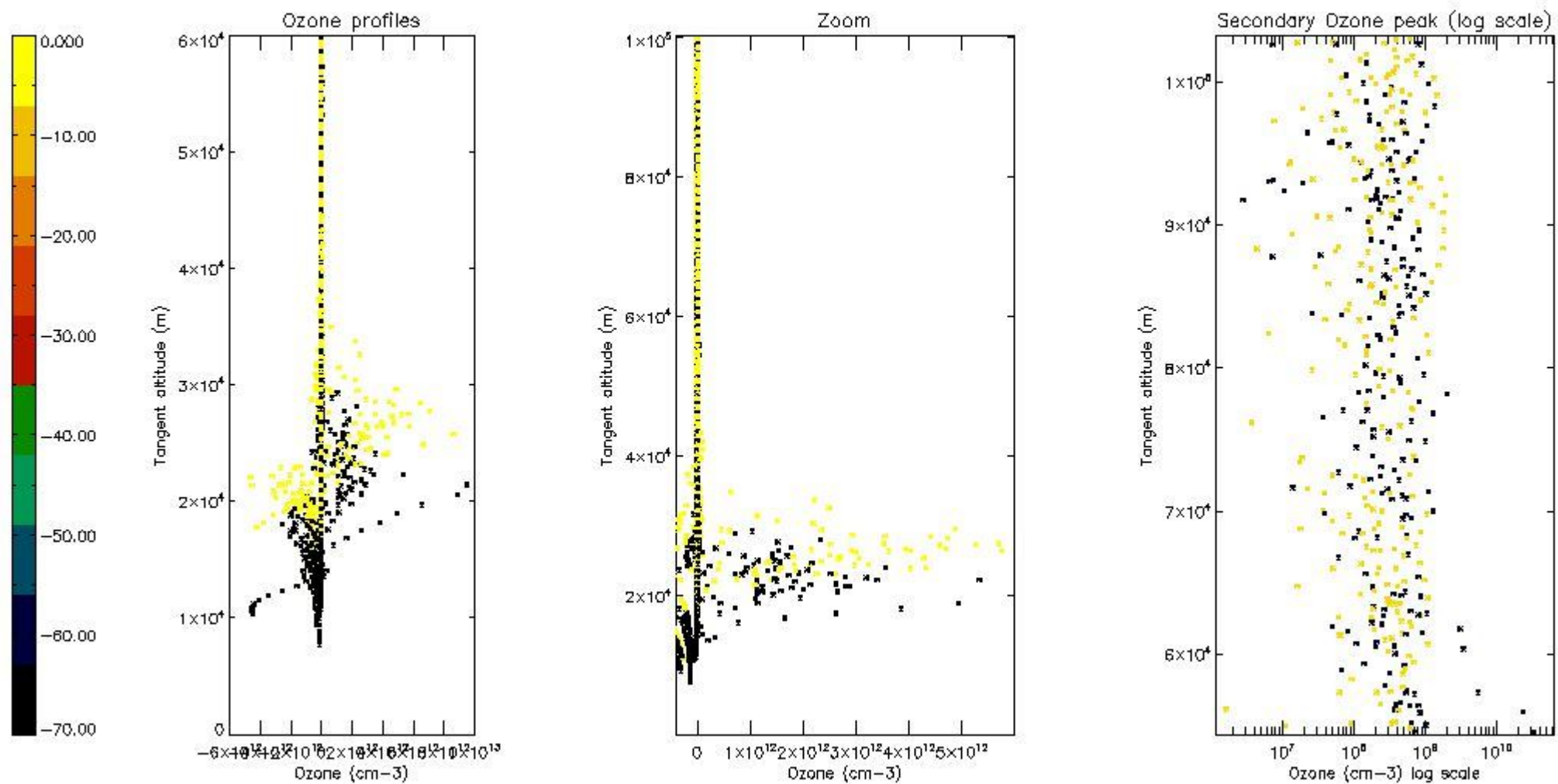
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	13
STD < 20	2

STD < 10	1
STD < 5	0

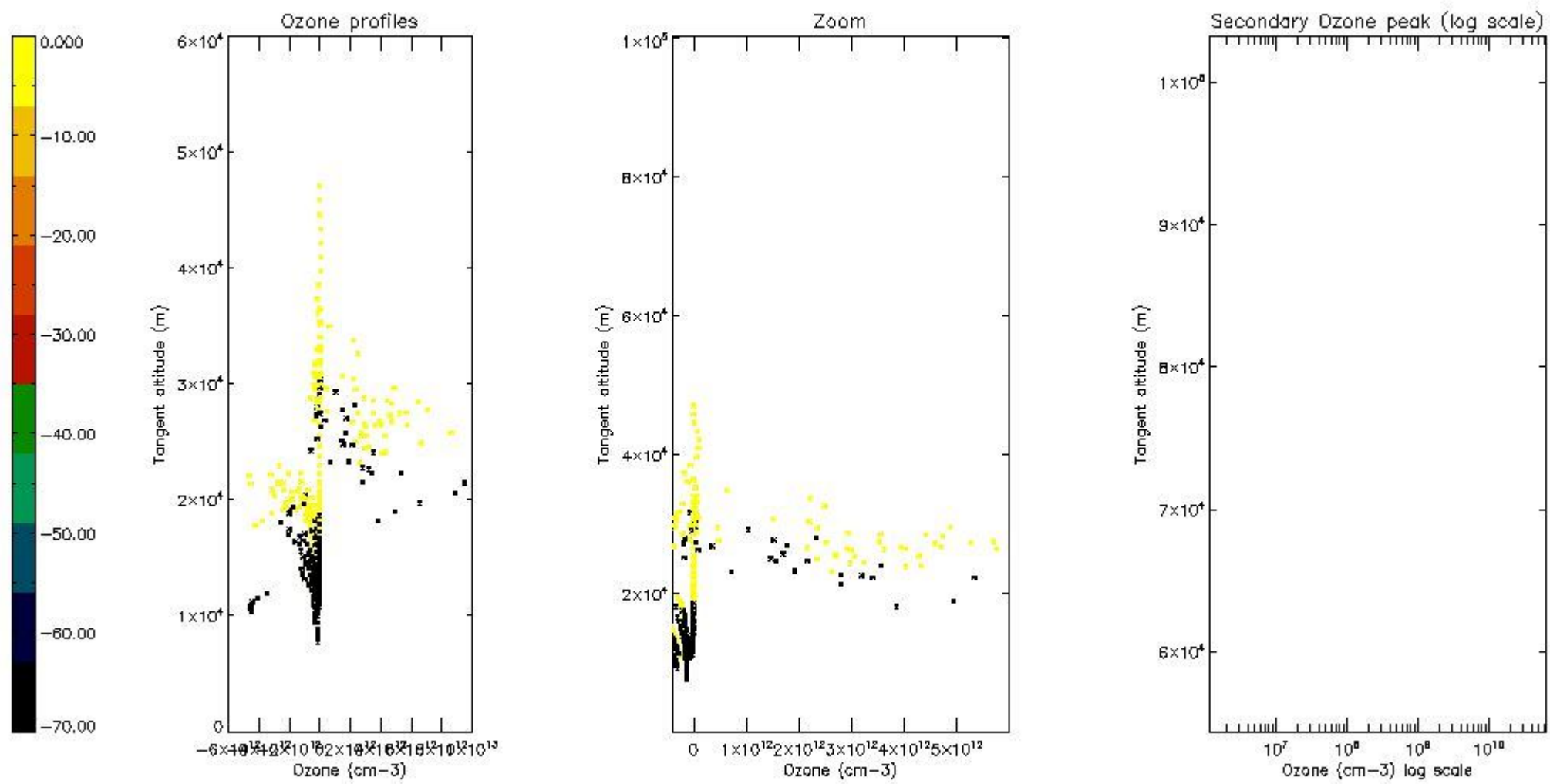
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



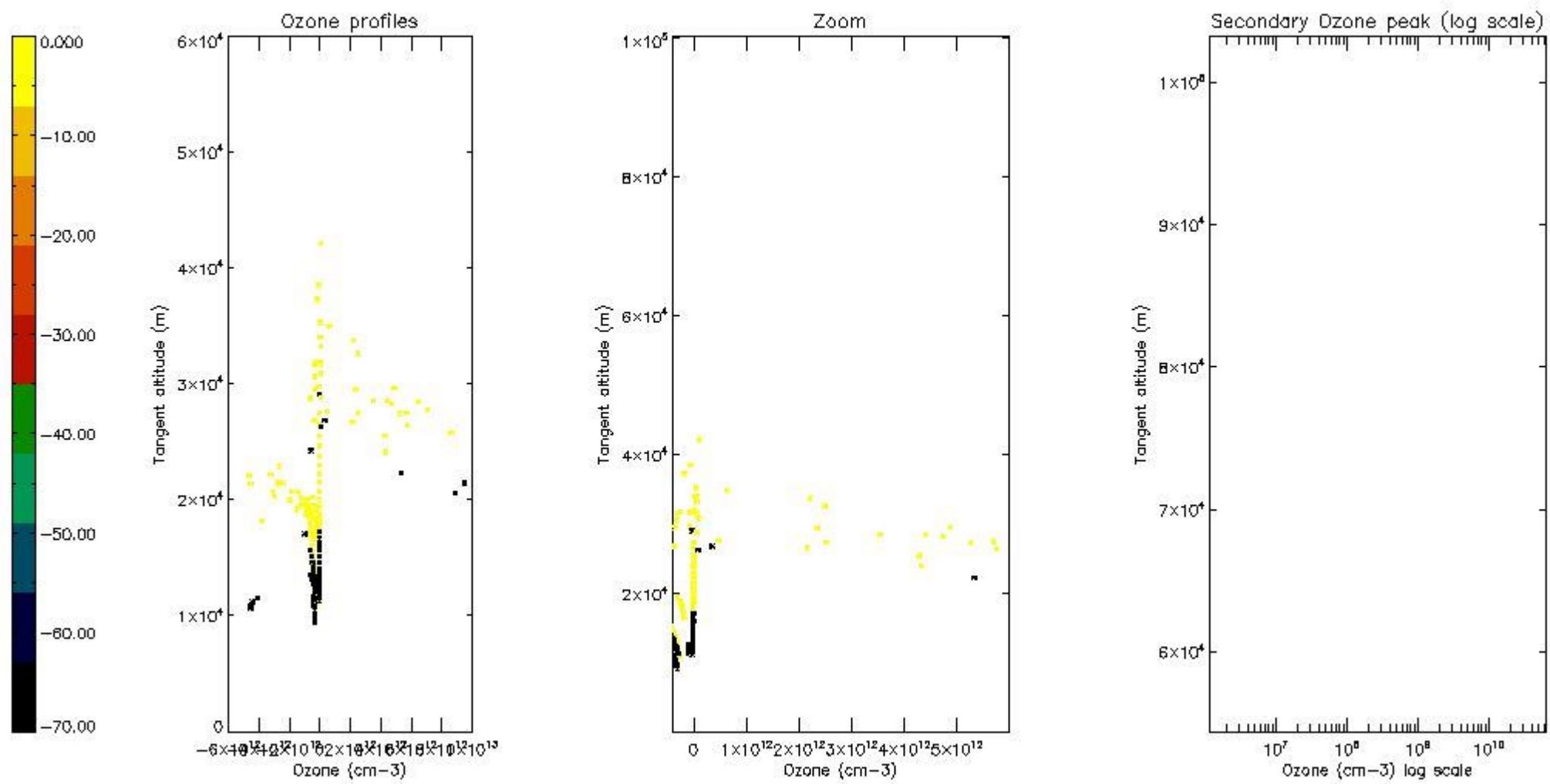
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



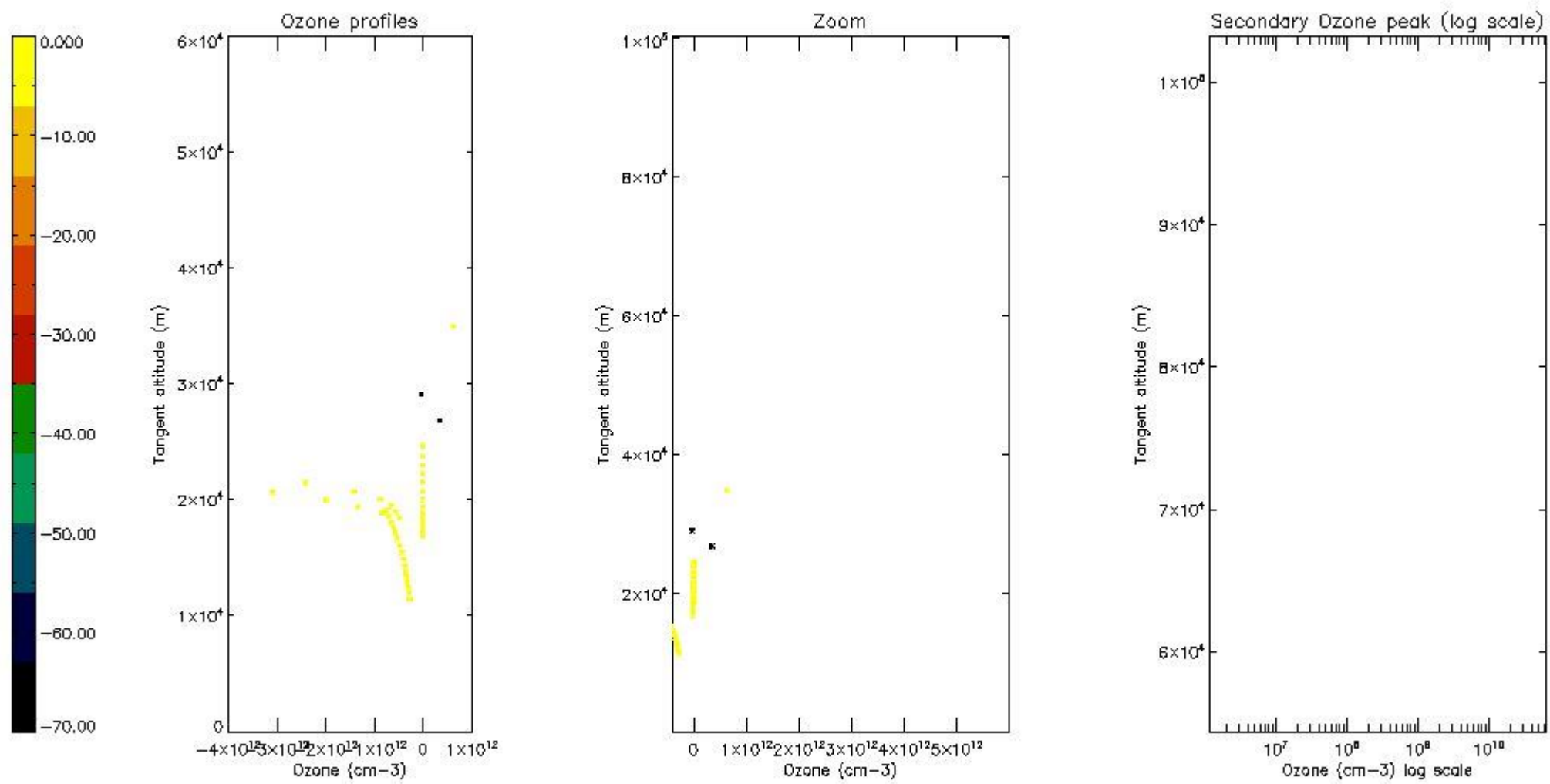
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



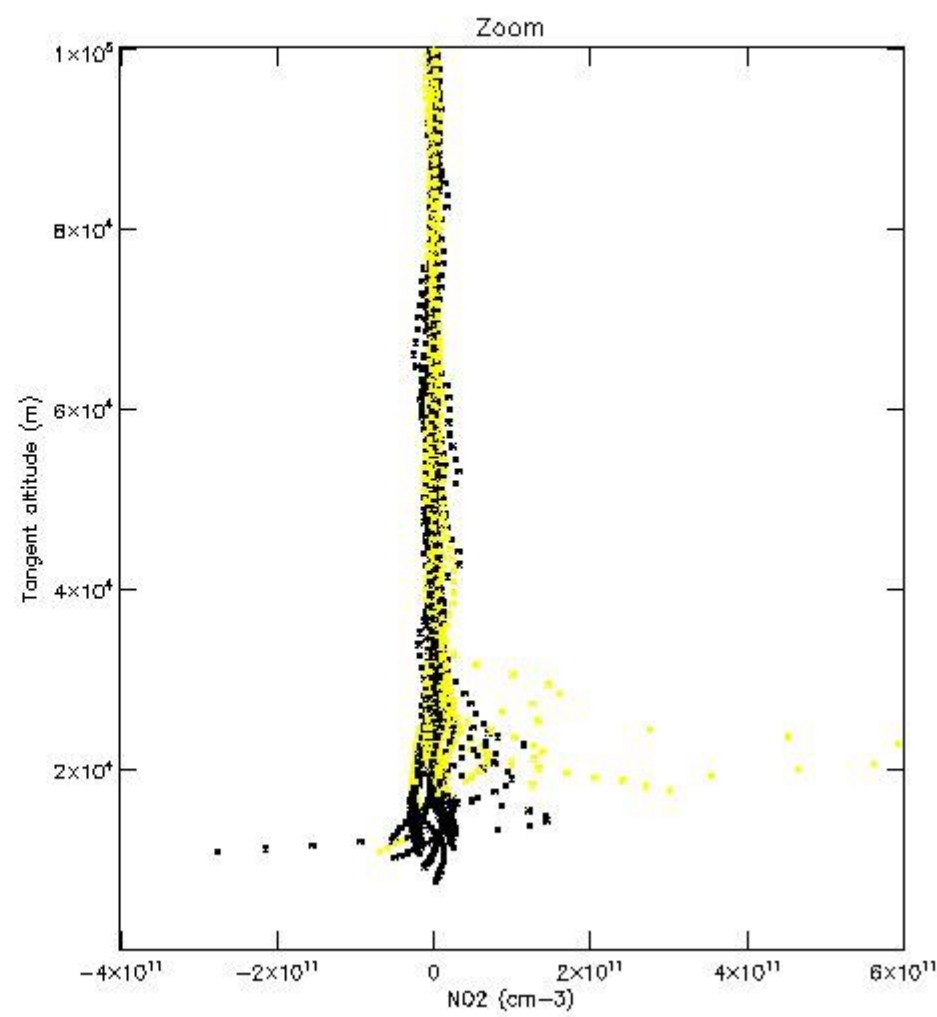
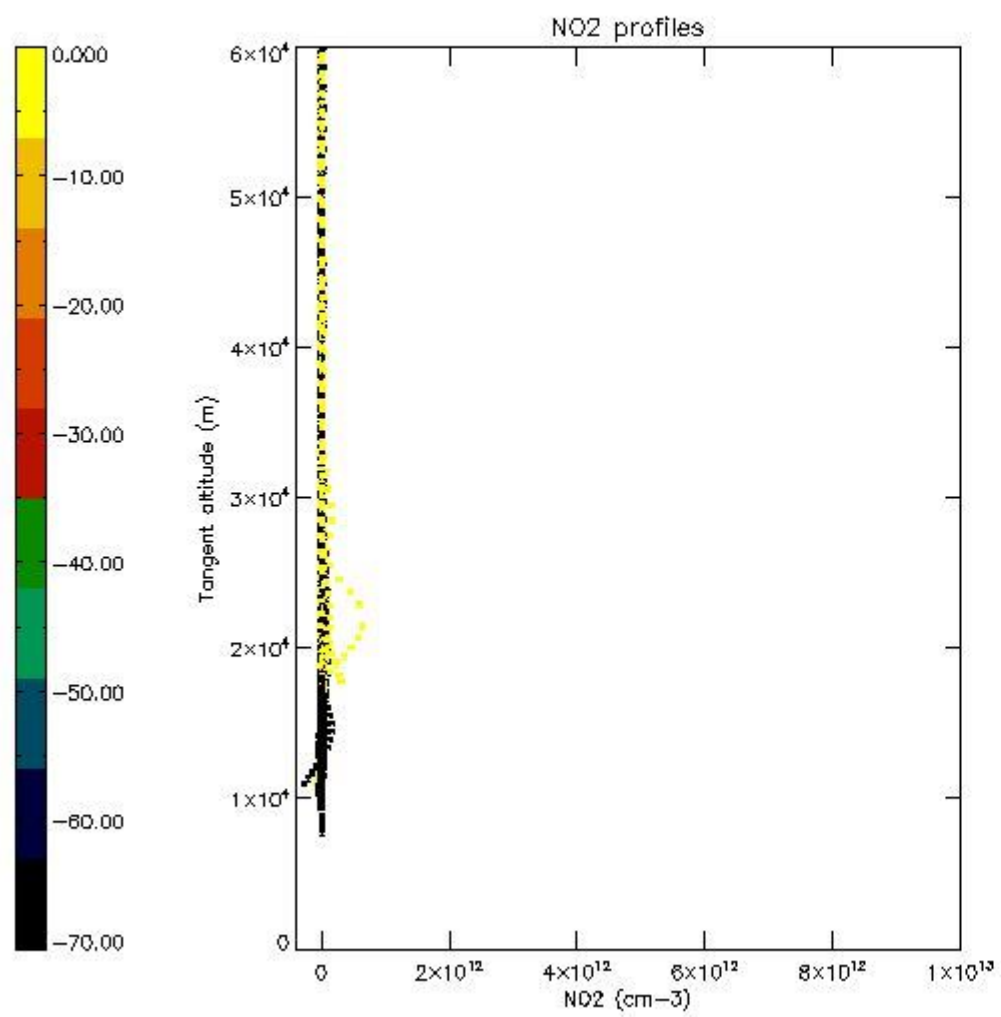
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



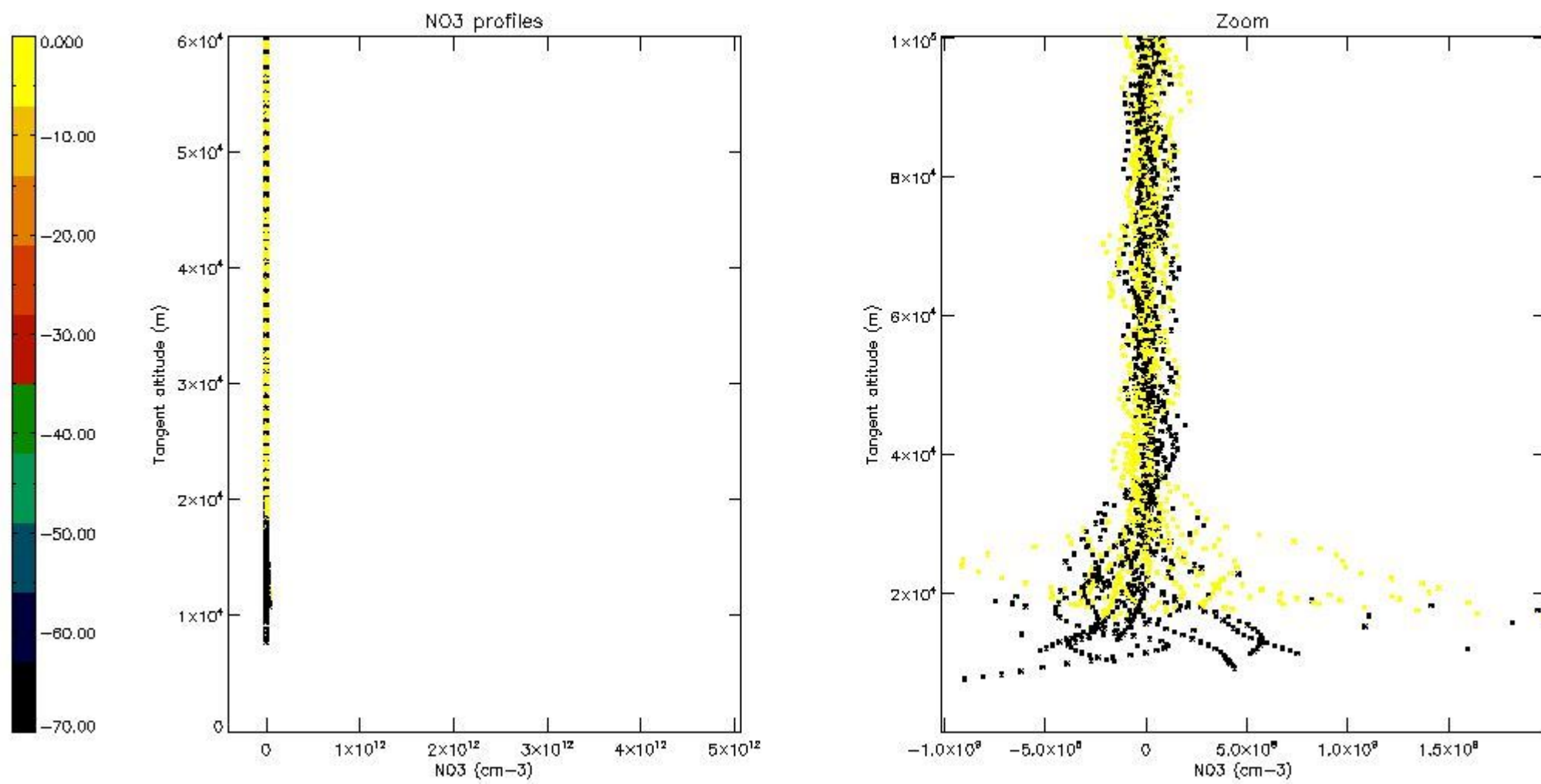
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



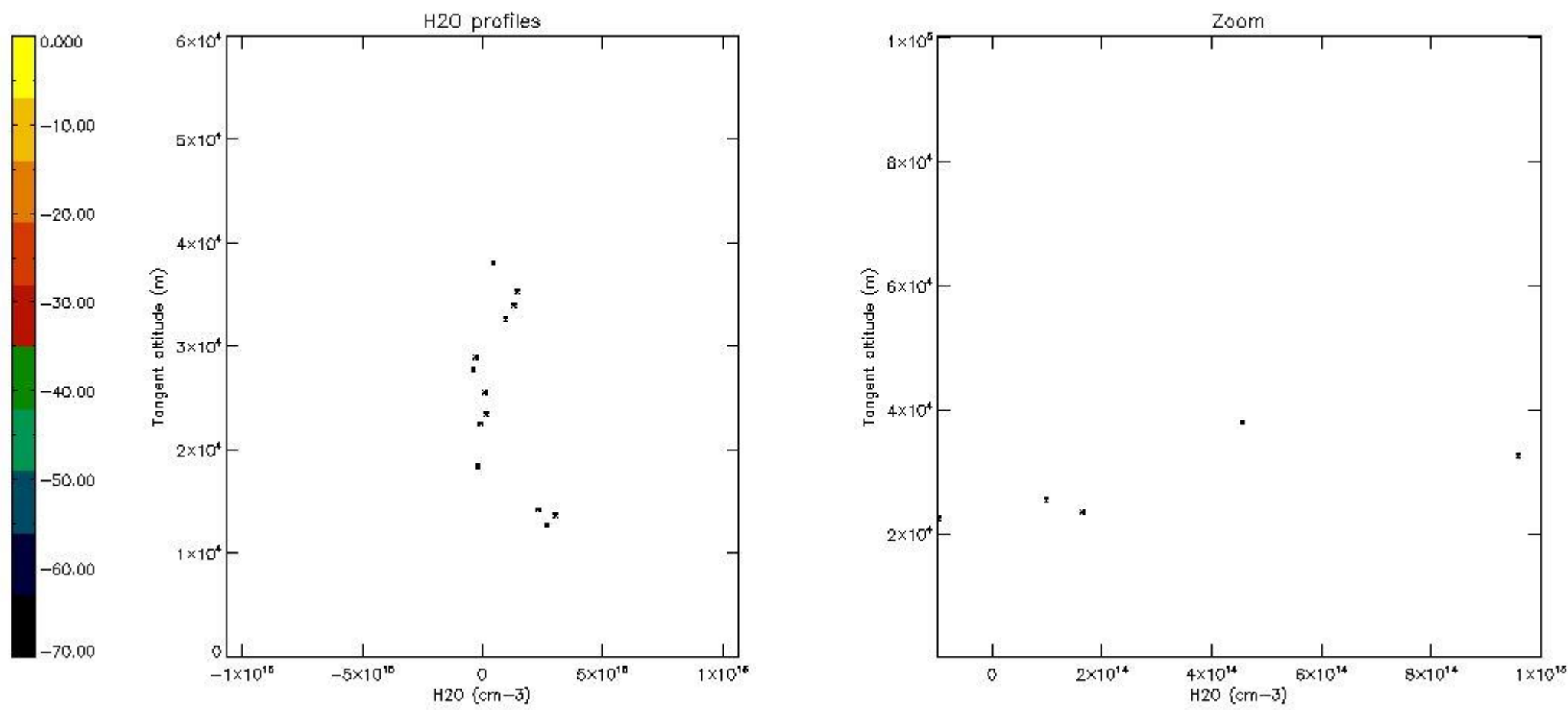
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

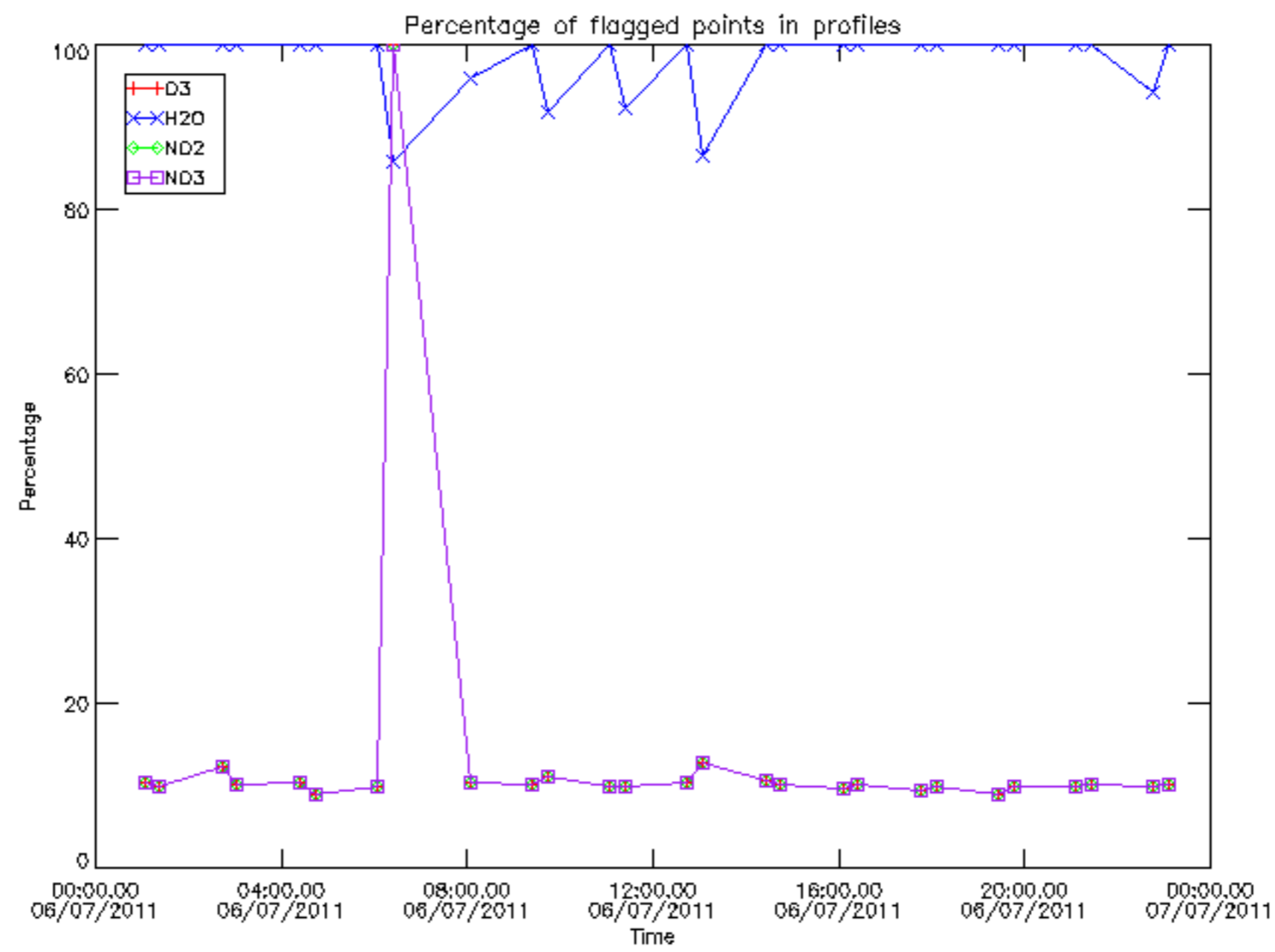
The colorbar represents the latitude.



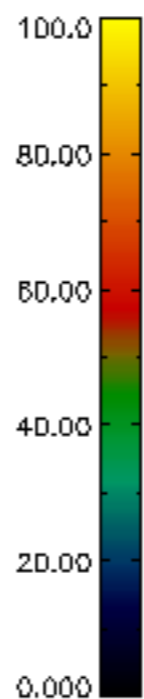
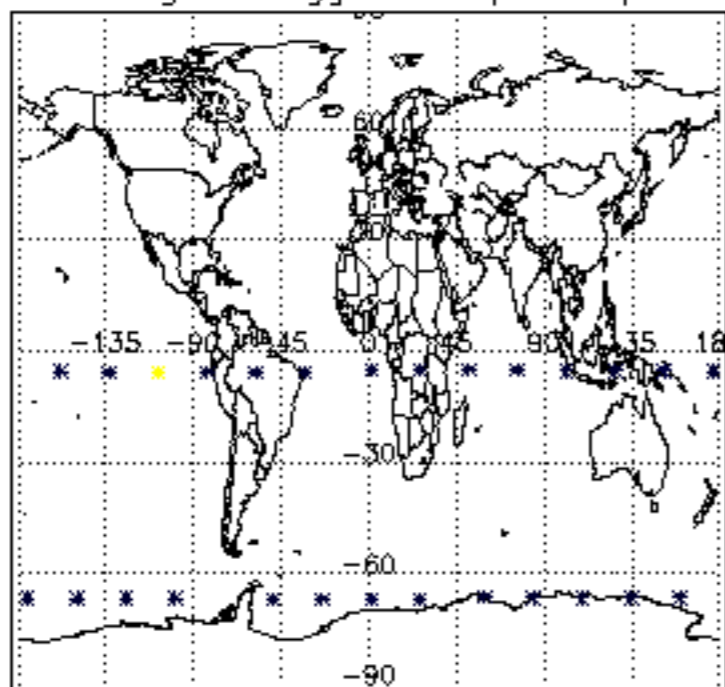
6. Auxiliary Data Files used for the production reported in section 2

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.

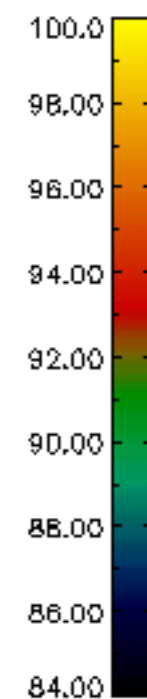
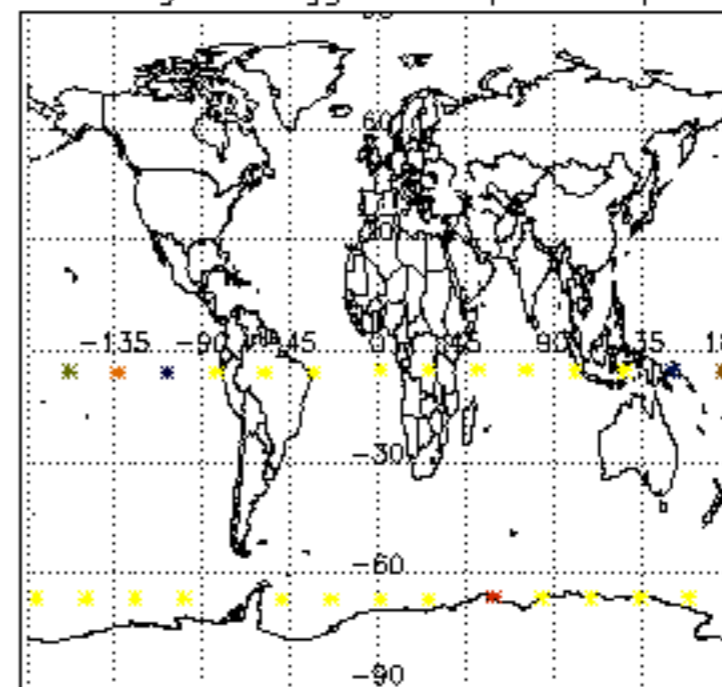
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	06-JUL-2011 00:01:46
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	06-JUL-2011 00:01:46
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	06-JUL-2011 00:01:46



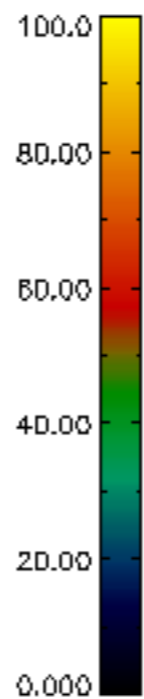
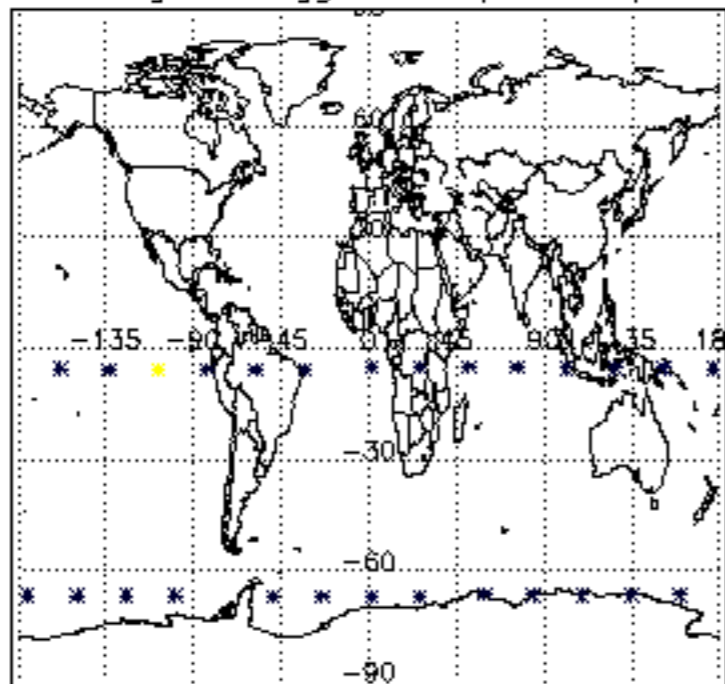
Percentage of flagged data per D3 profile



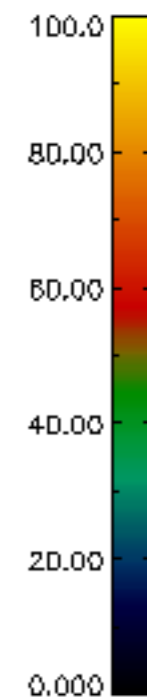
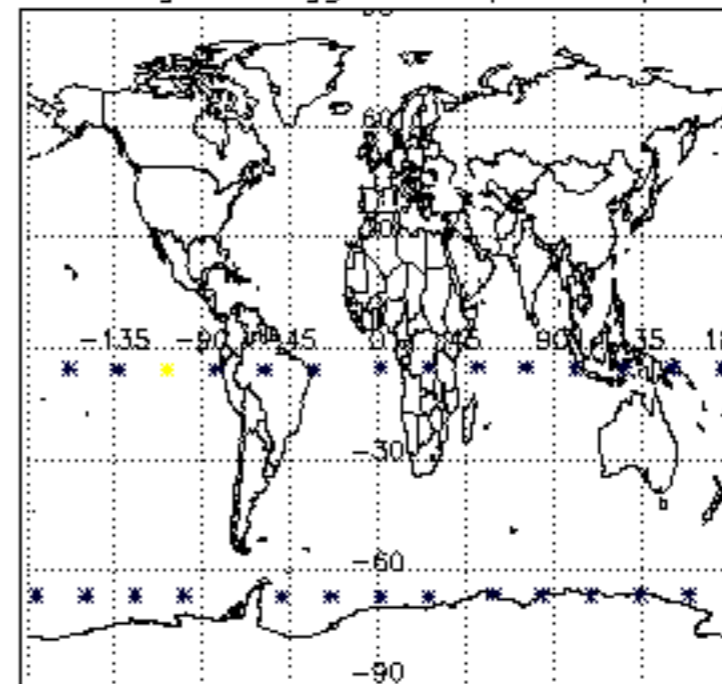
Percentage of flagged data per H2O profile

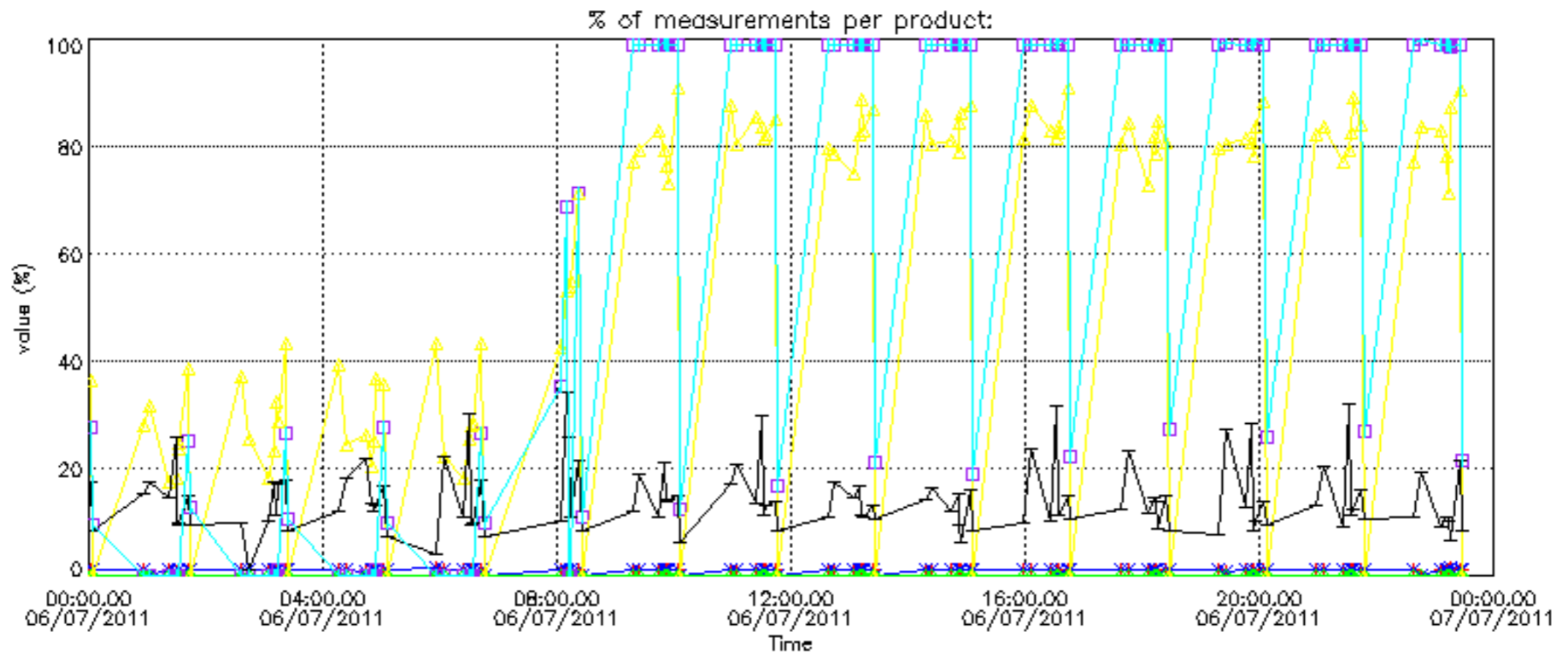


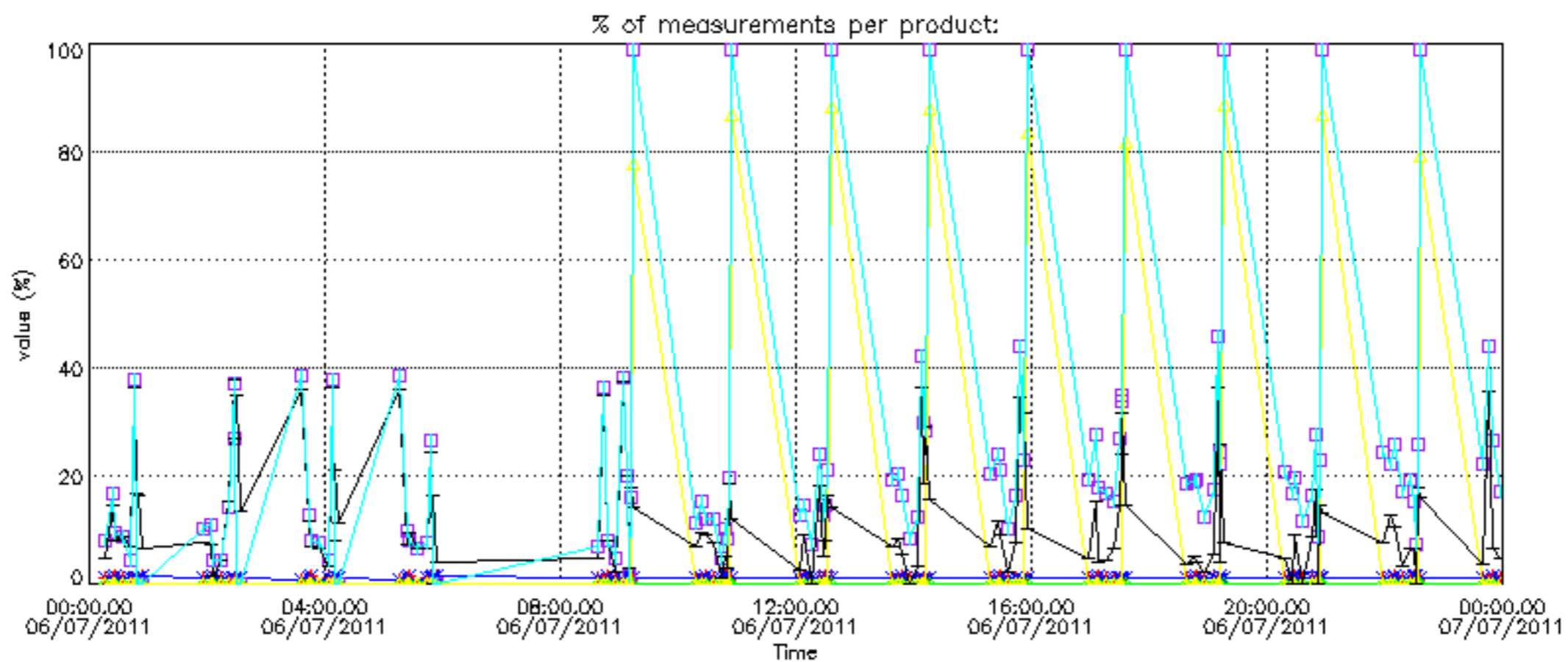
Percentage of flagged data per NO2 profile



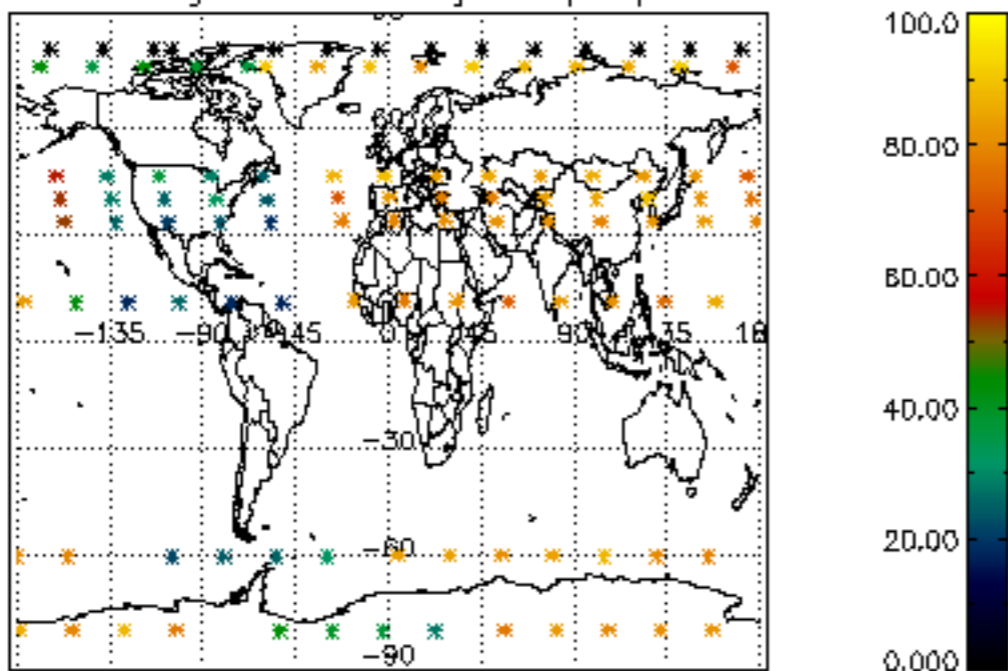
Percentage of flagged data per NO3 profile



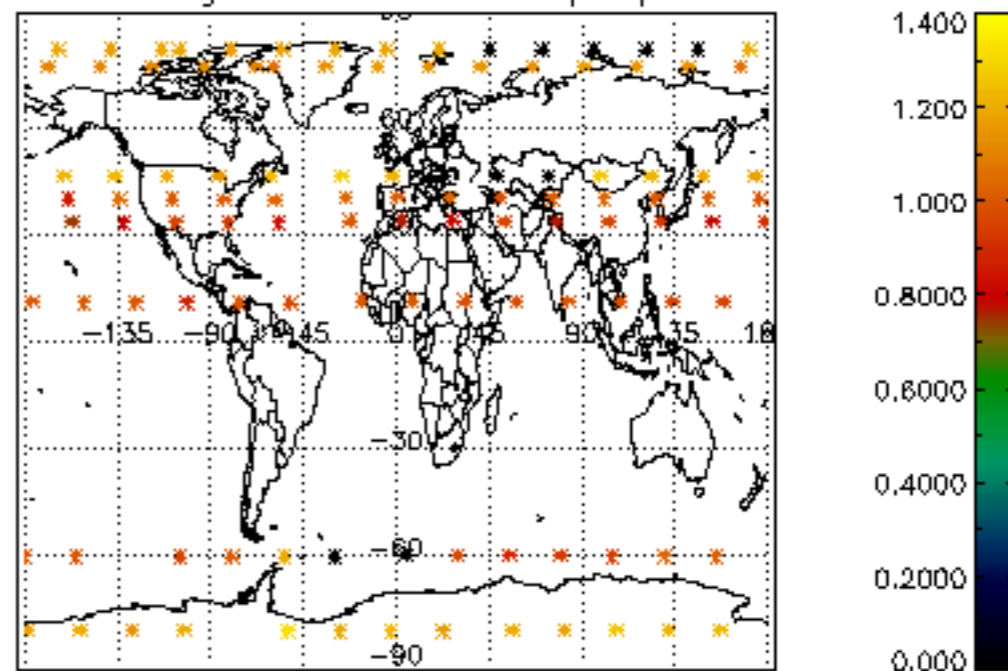




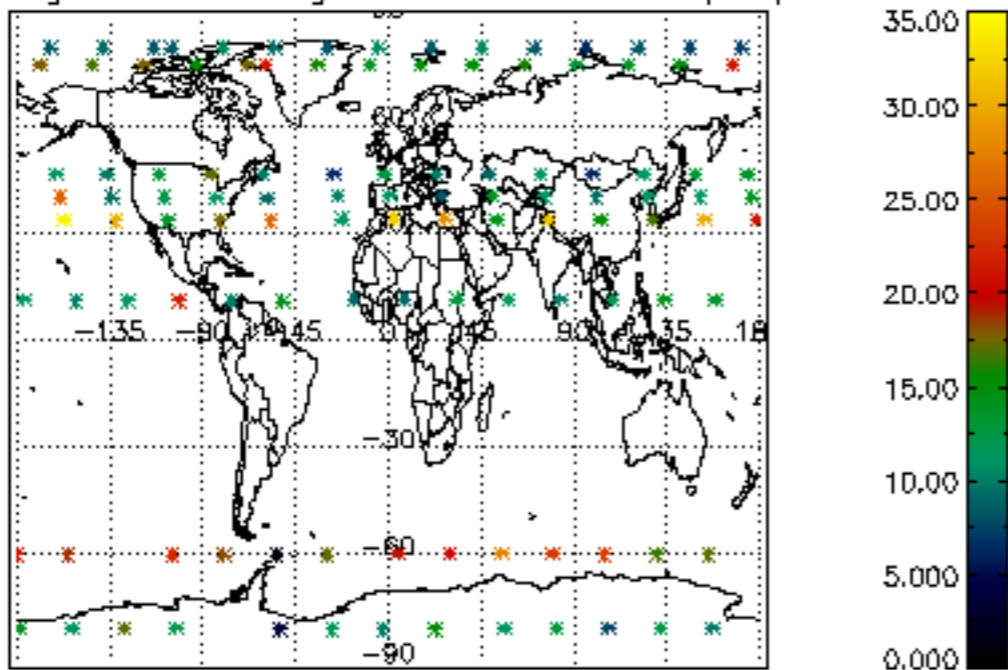
Percentage of cosmic ray hits per profile



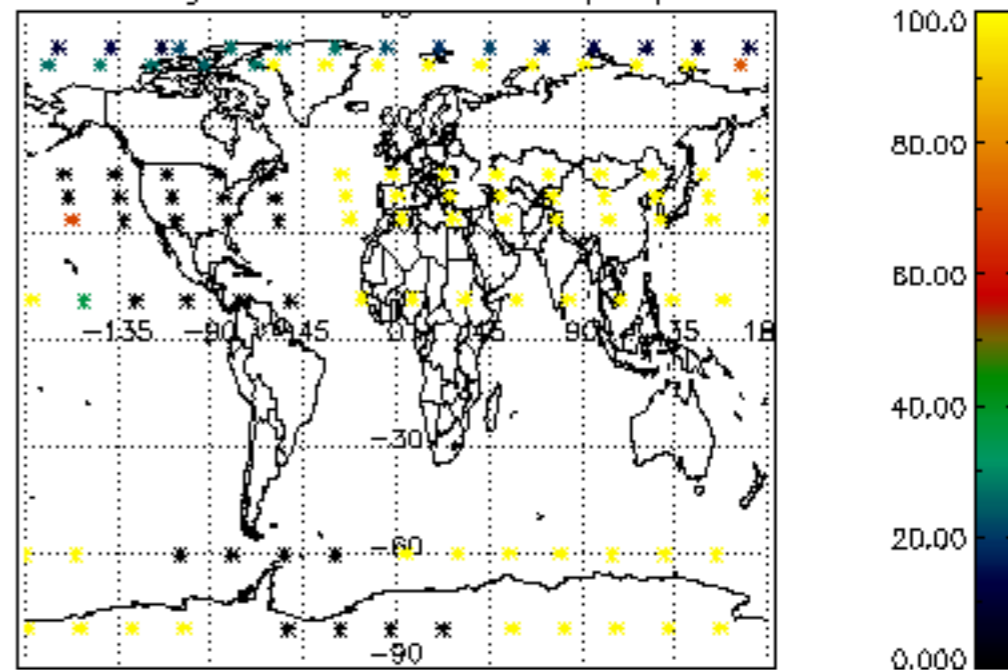
Percentage of datation errors per profile



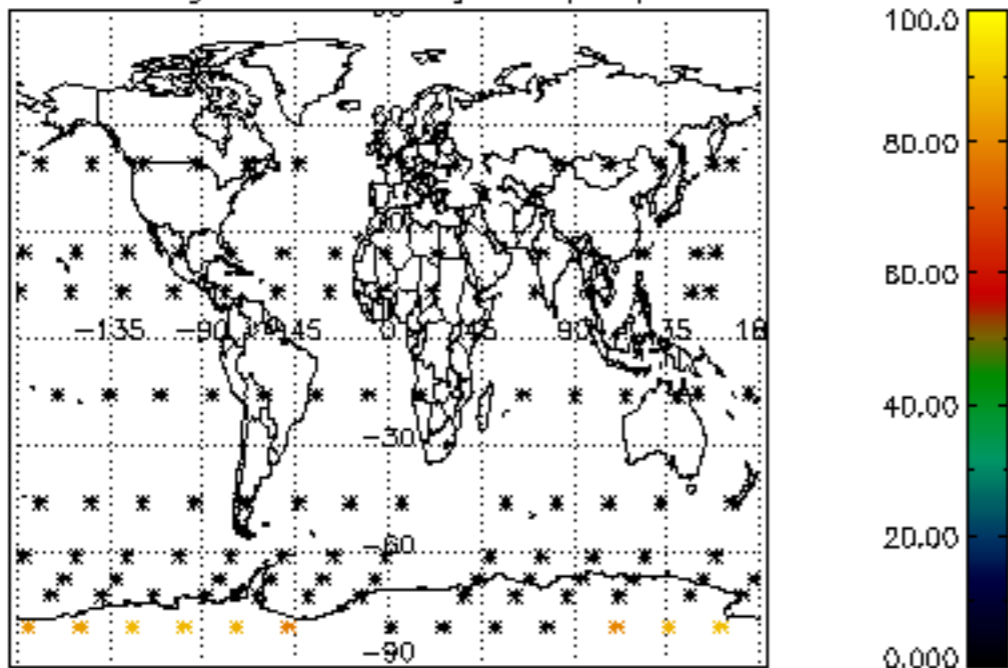
Percentage of star falling outside central band per profile



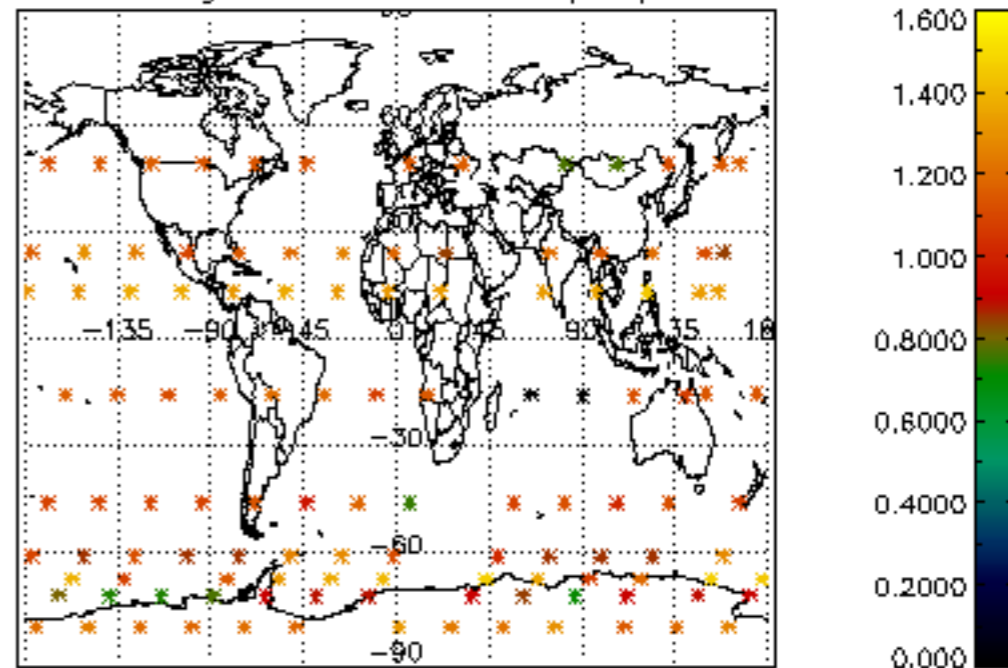
Percentage of saturation errors per profile



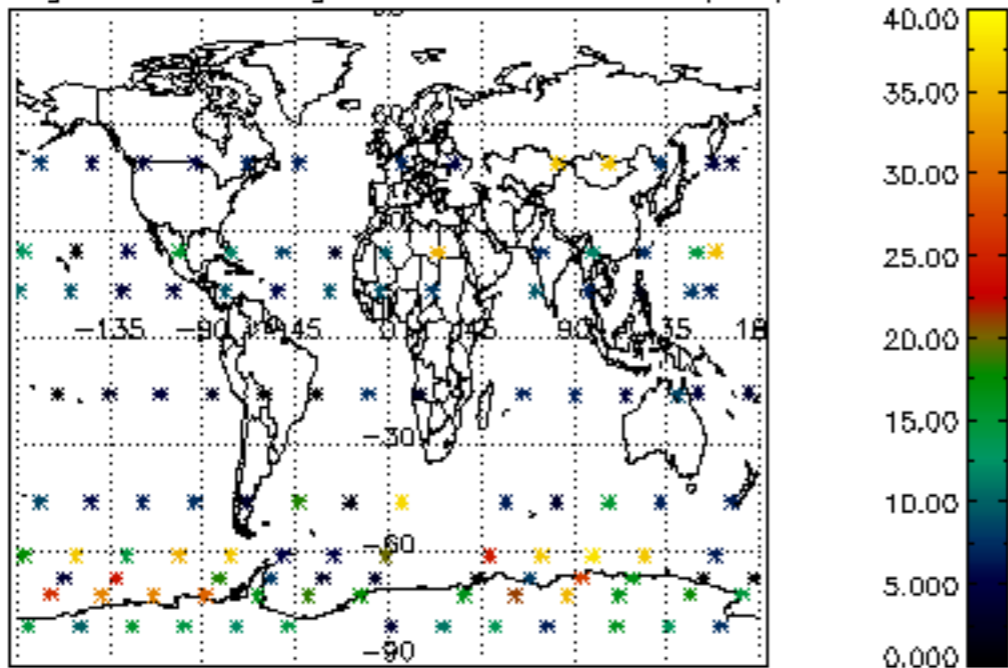
Percentage of cosmic ray hits per profile



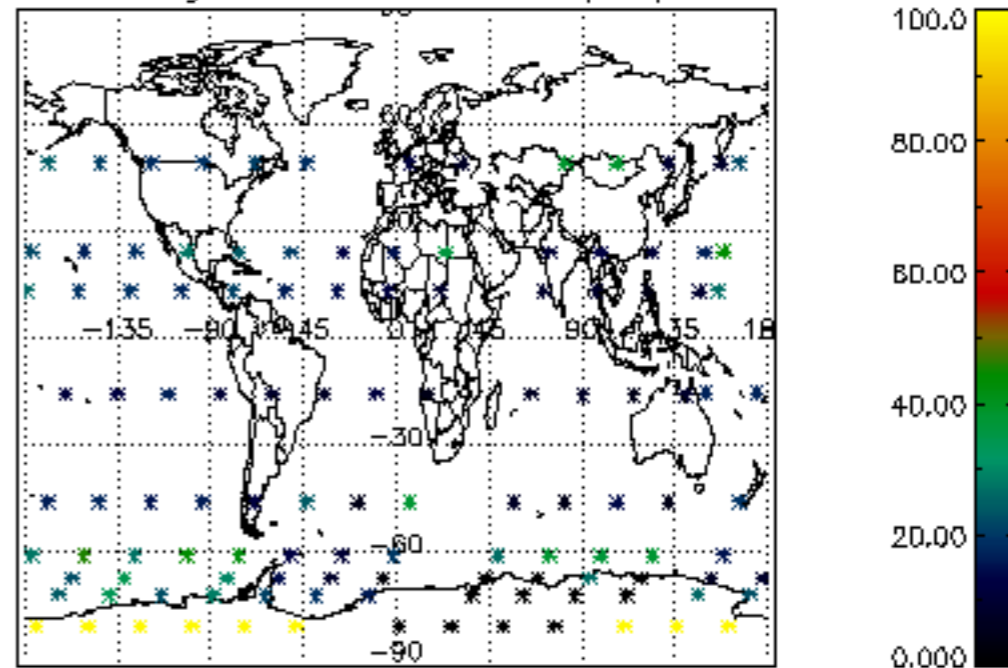
Percentage of datation errors per profile

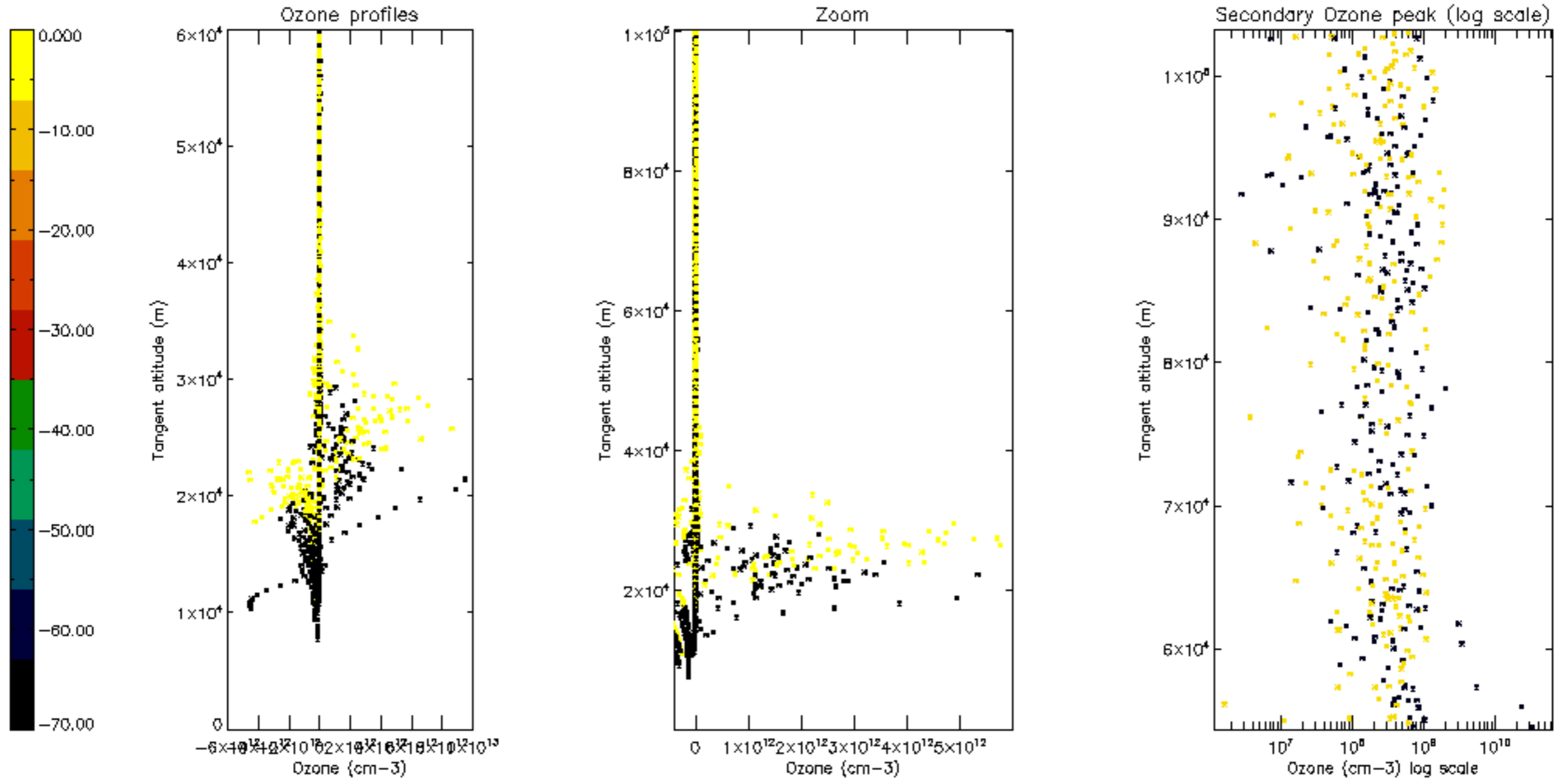


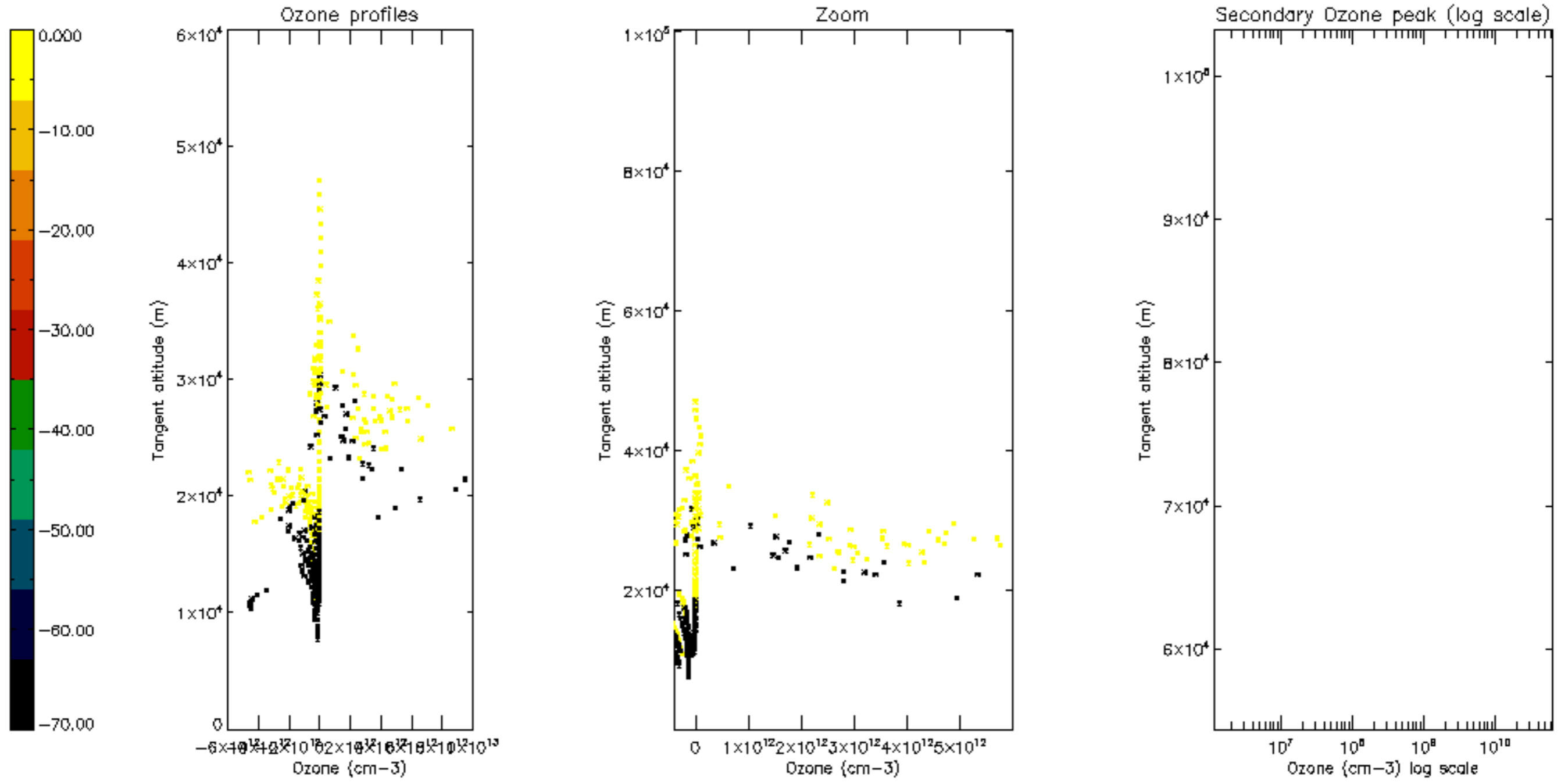
Percentage of star falling outside central band per profile

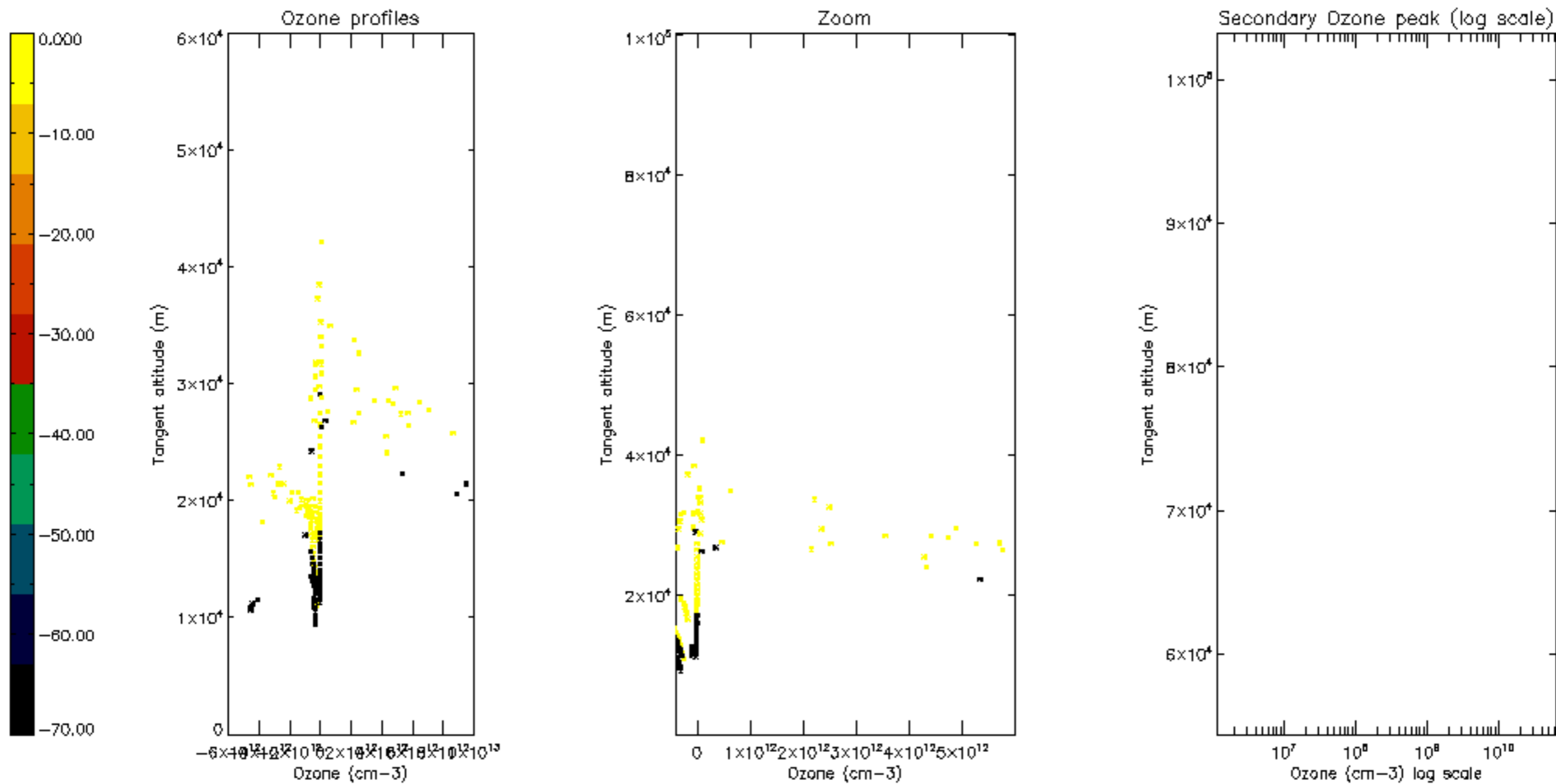


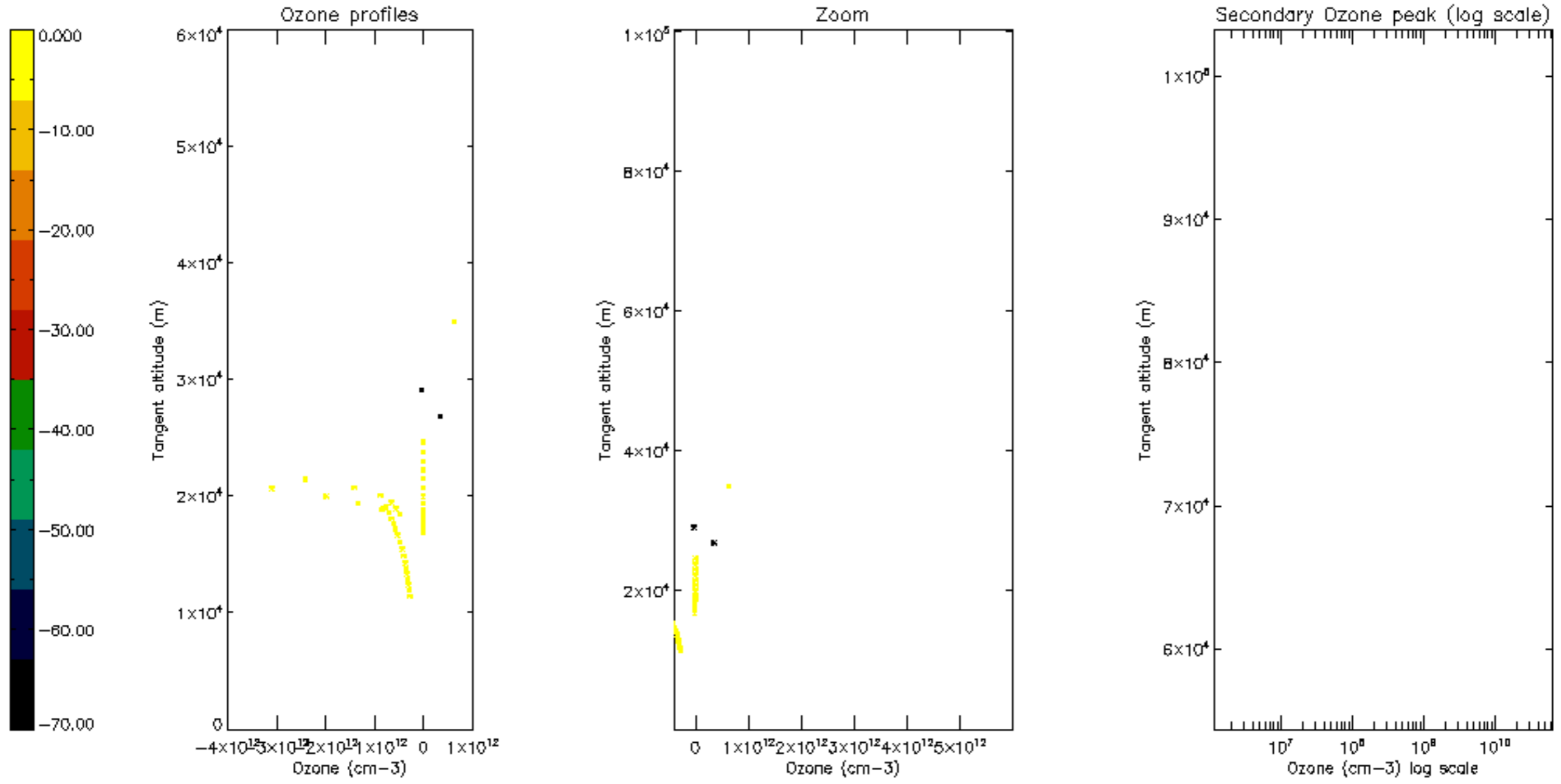
Percentage of saturation errors per profile

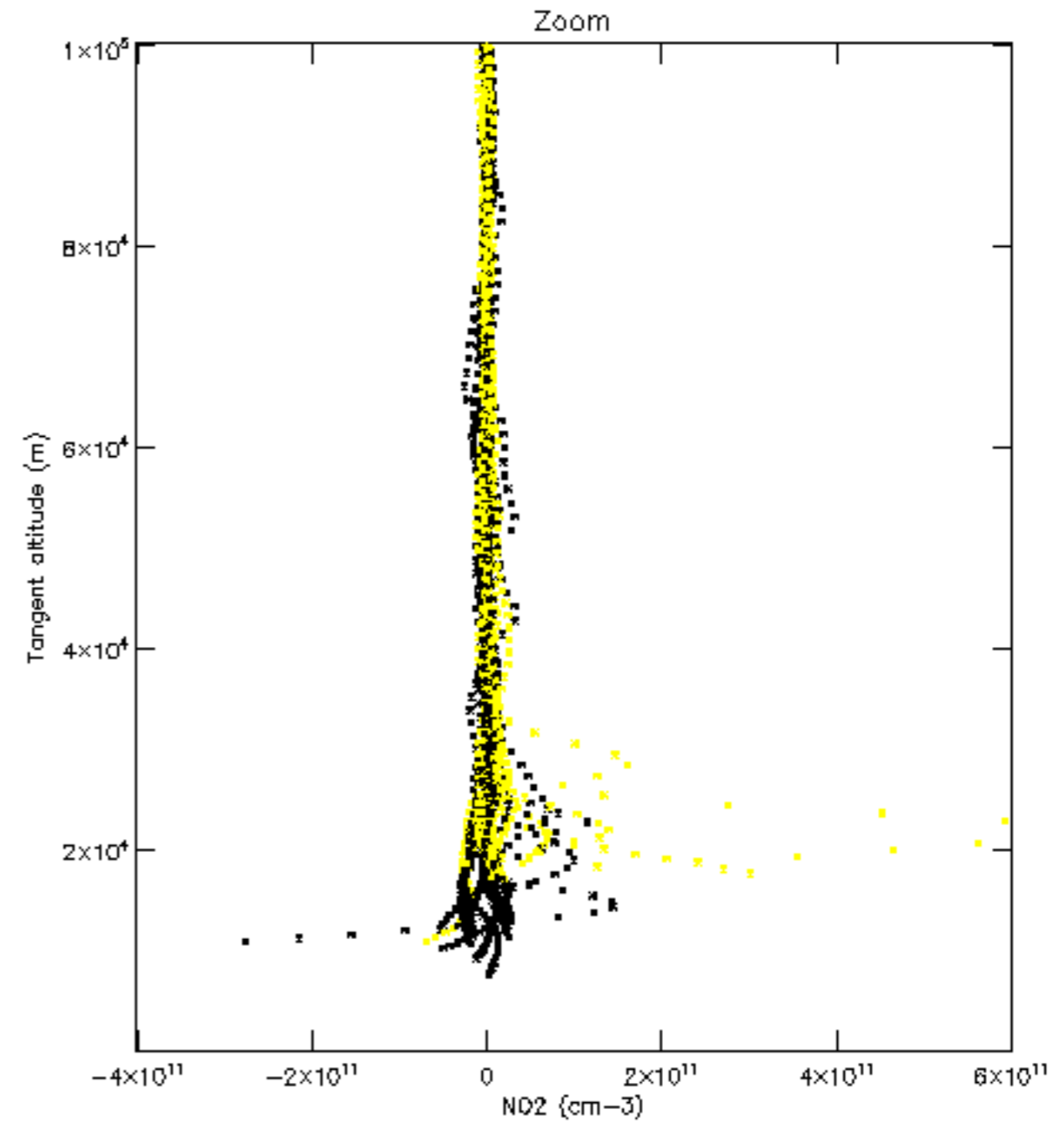
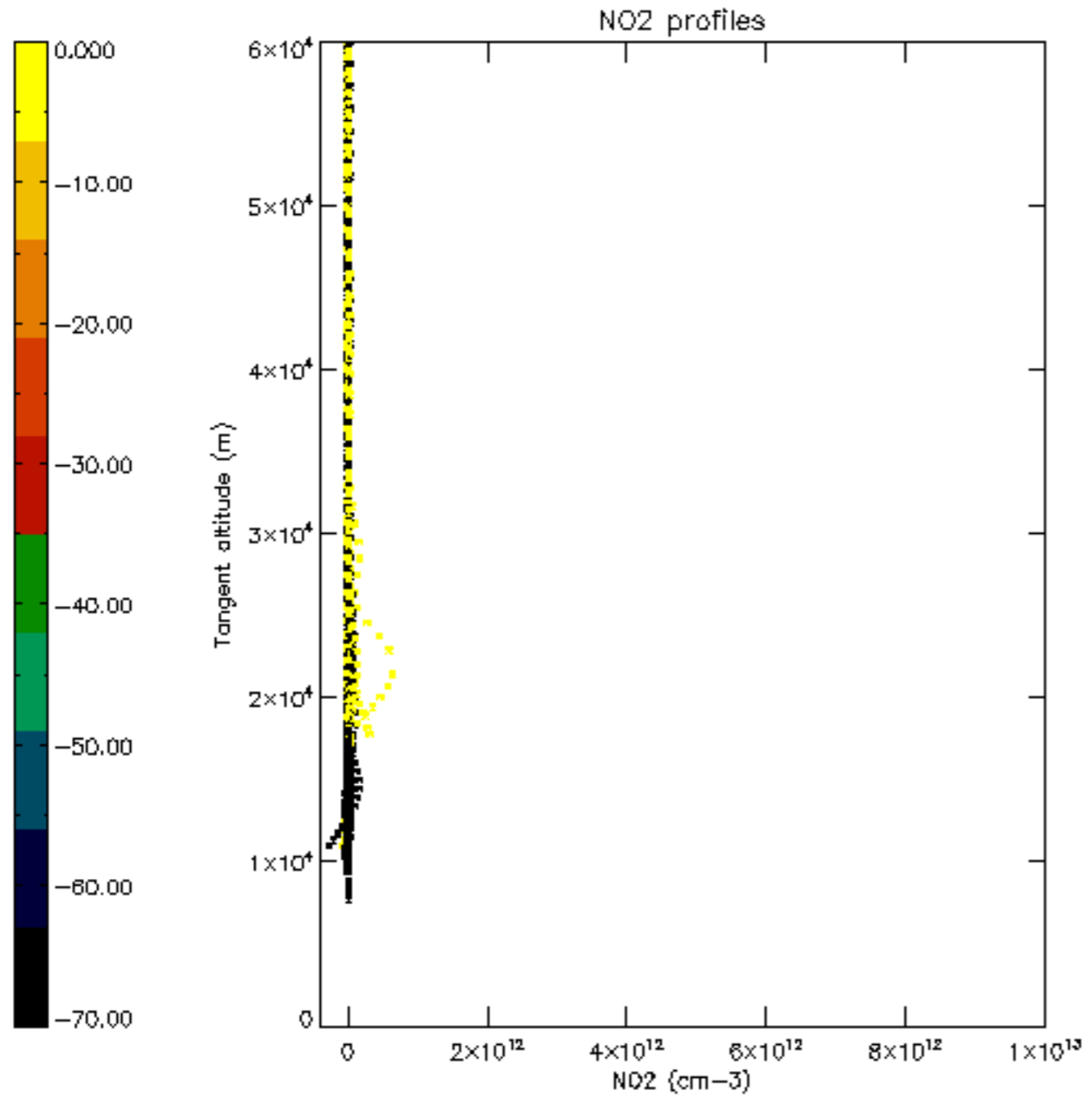


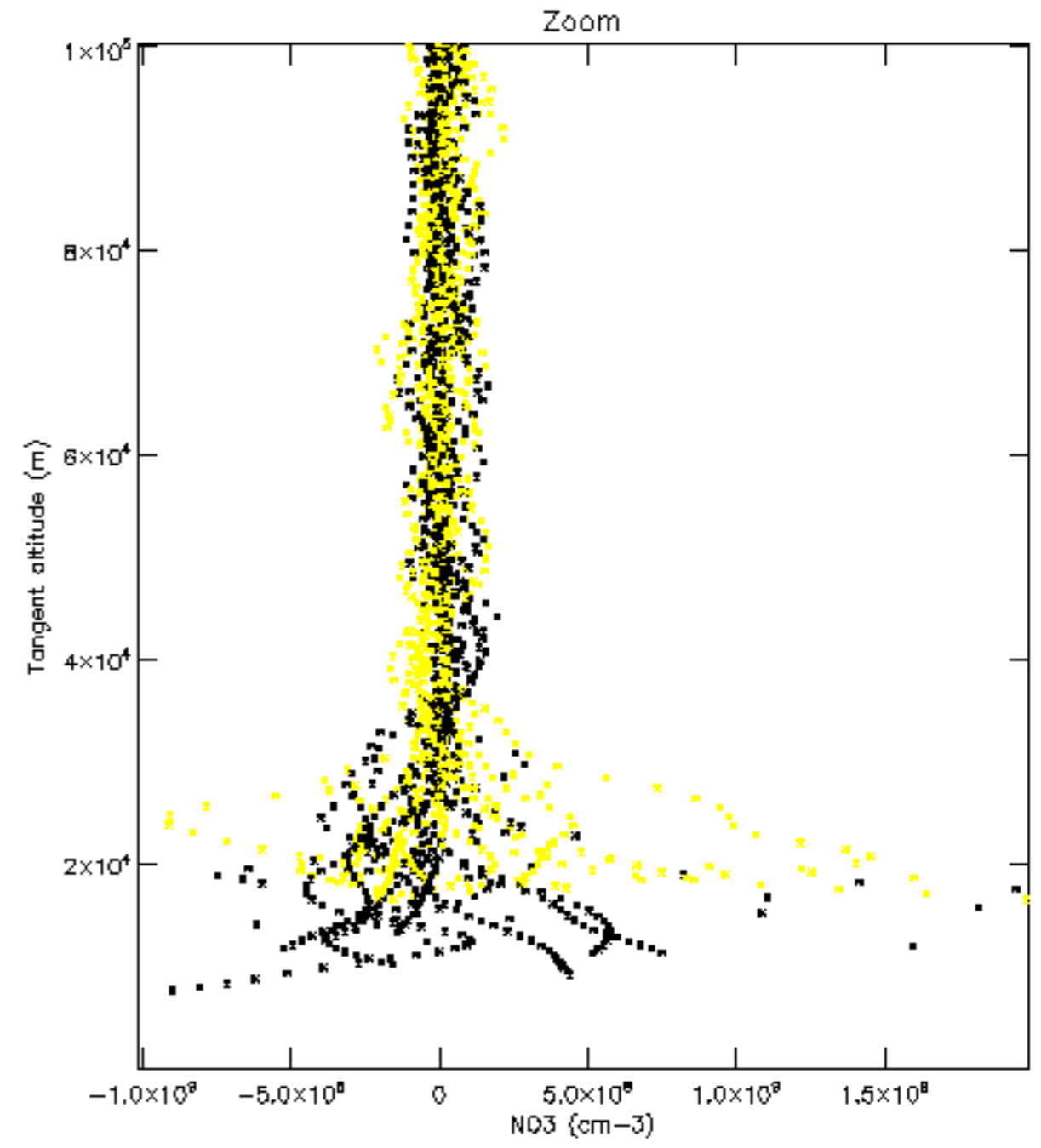
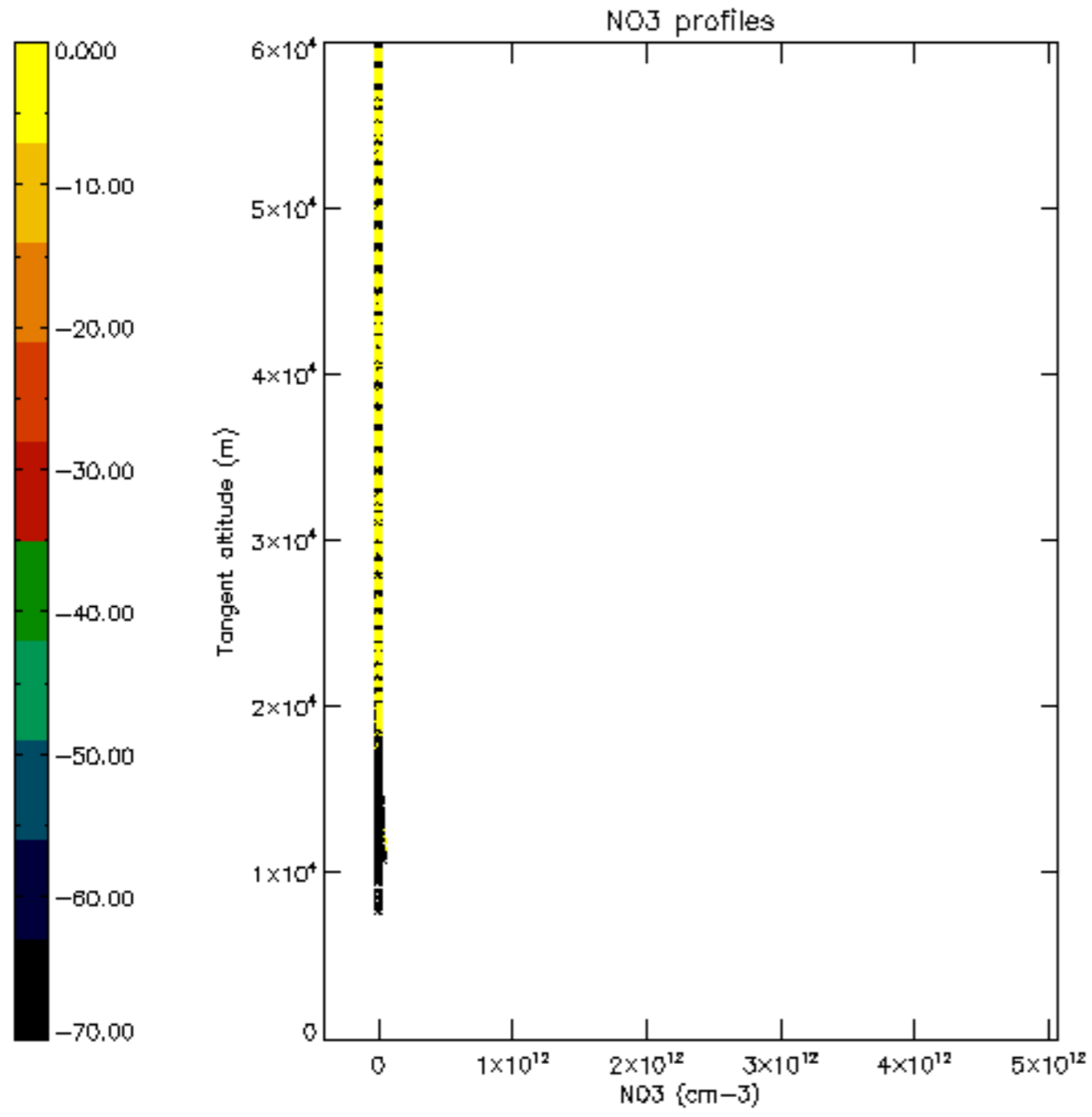


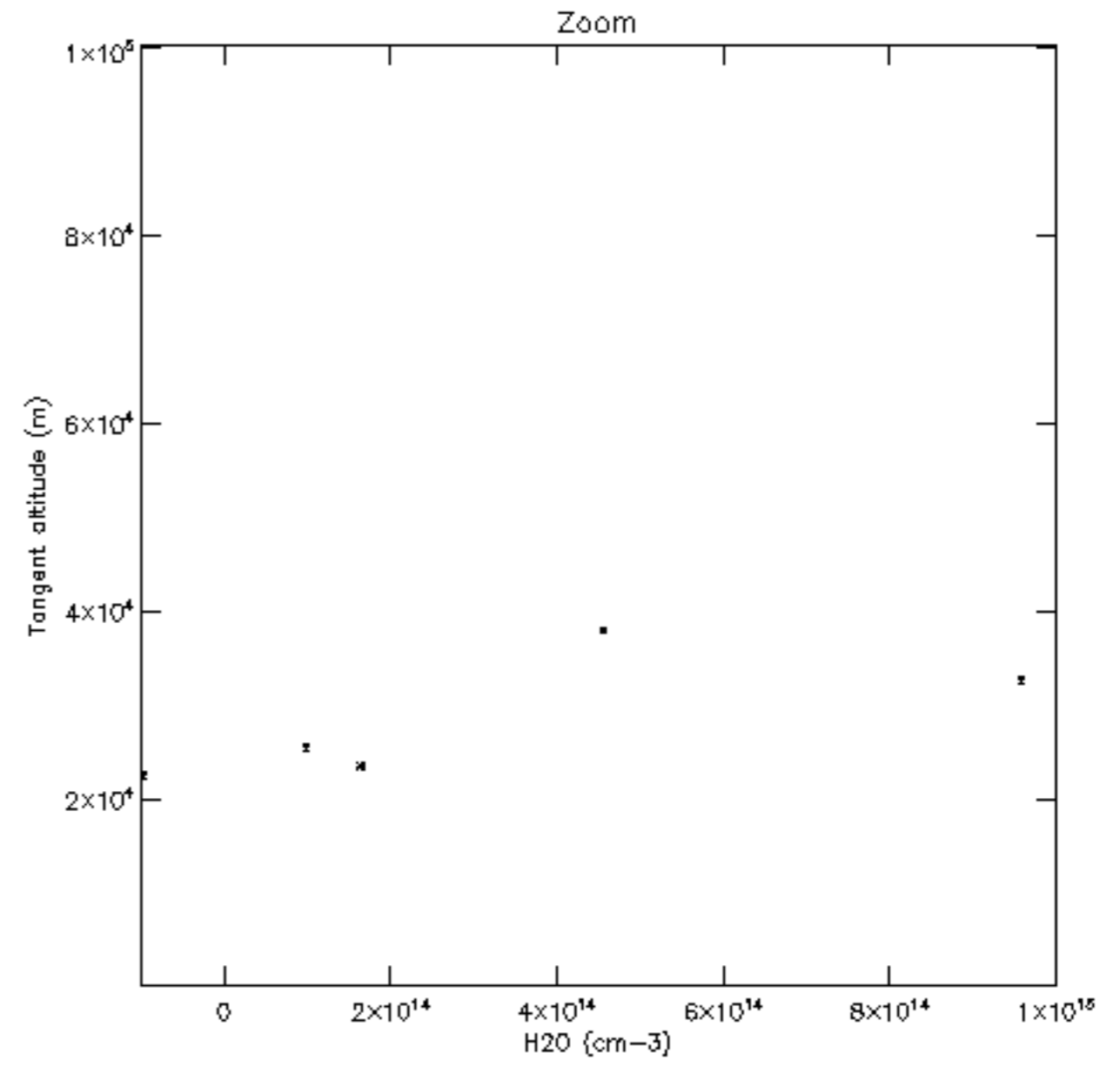
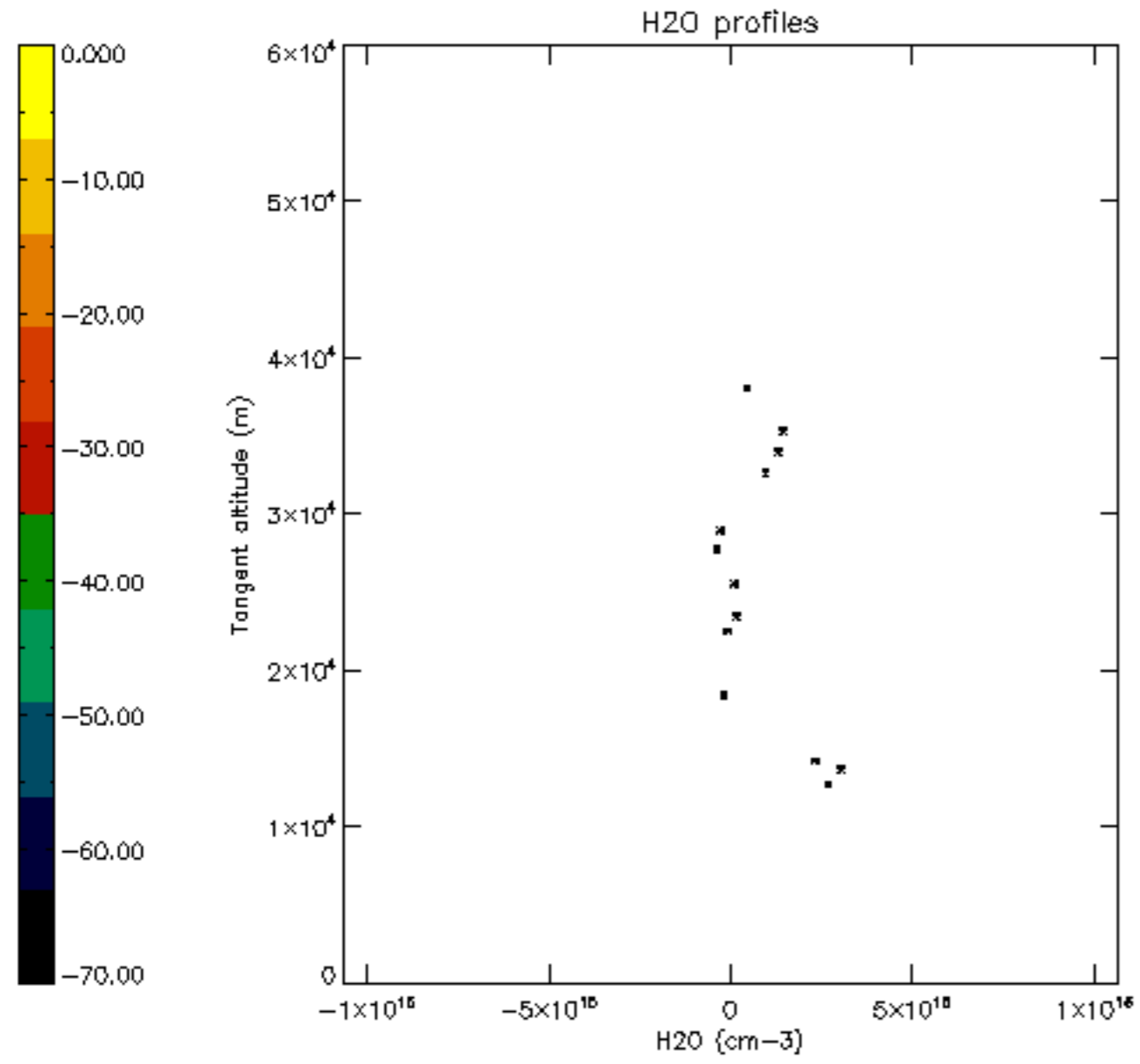


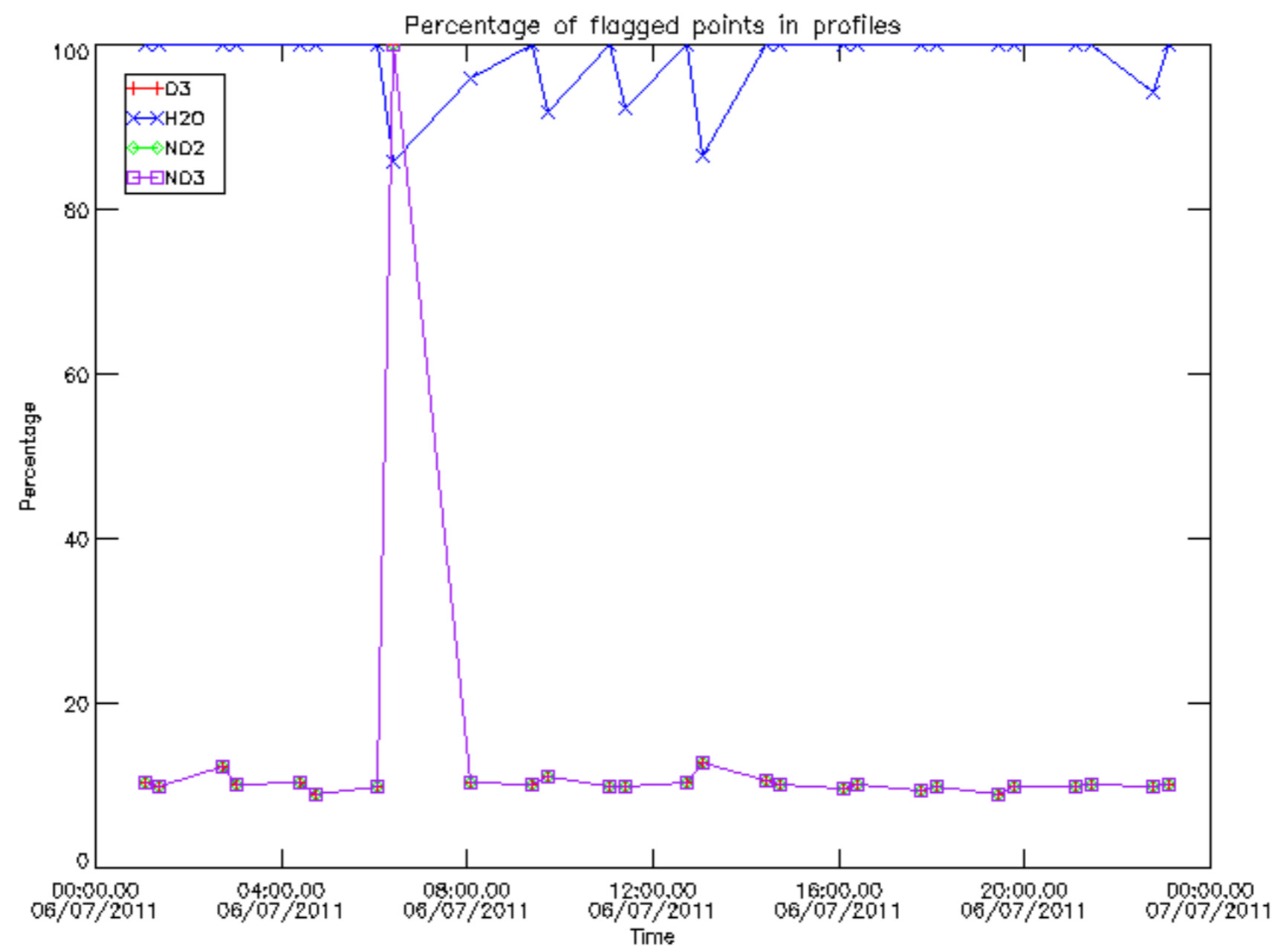




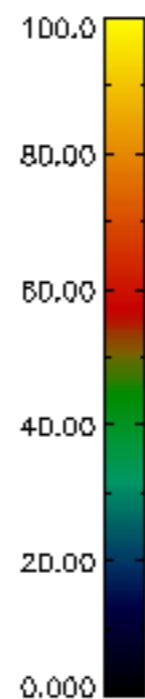
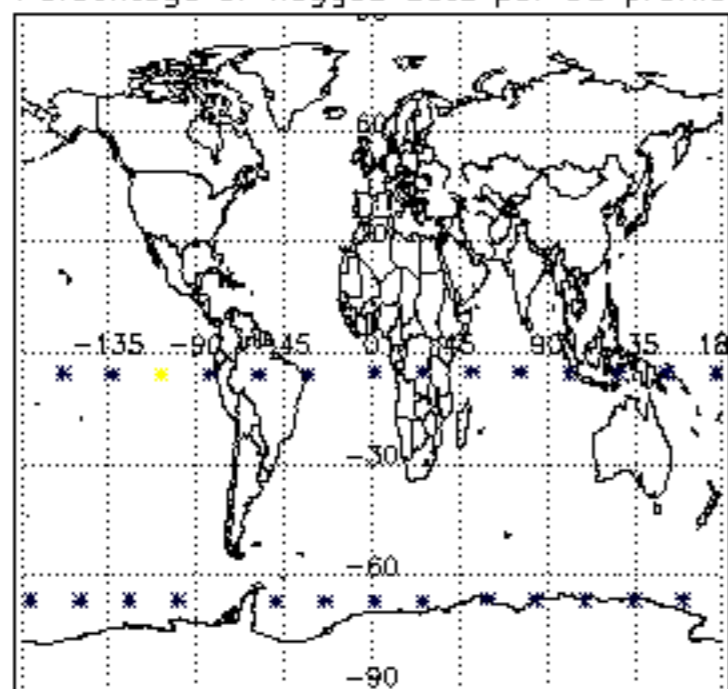




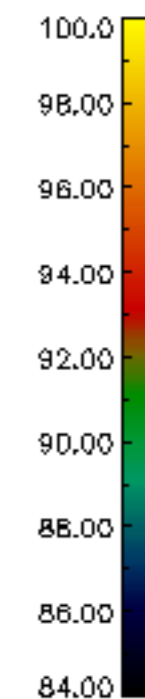
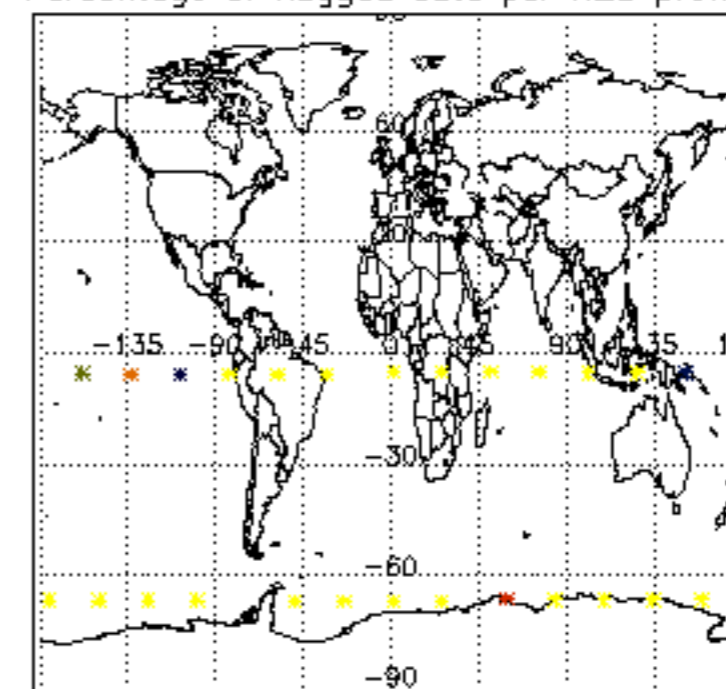




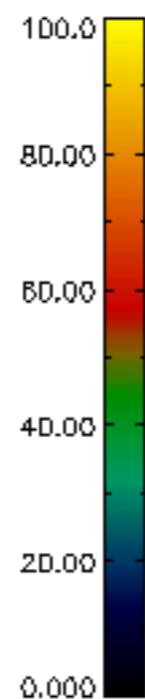
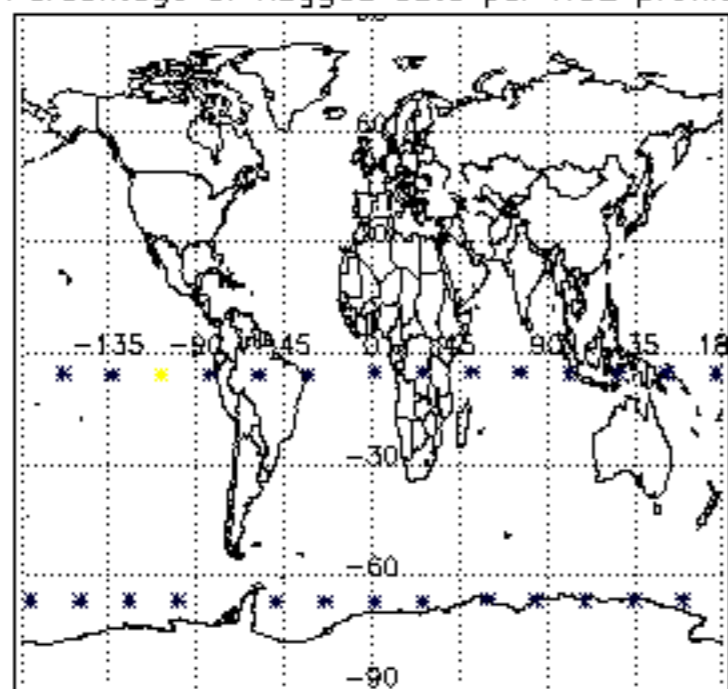
Percentage of flagged data per D3 profile



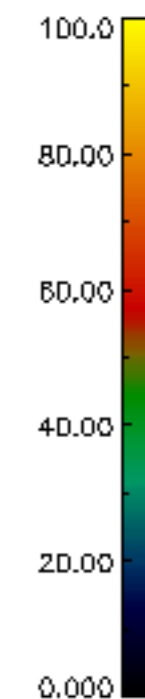
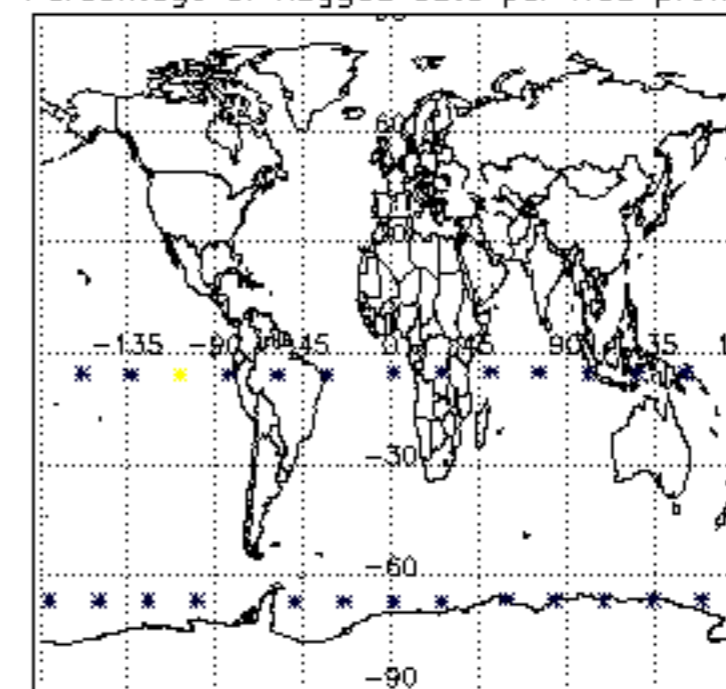
Percentage of flagged data per H2O profile

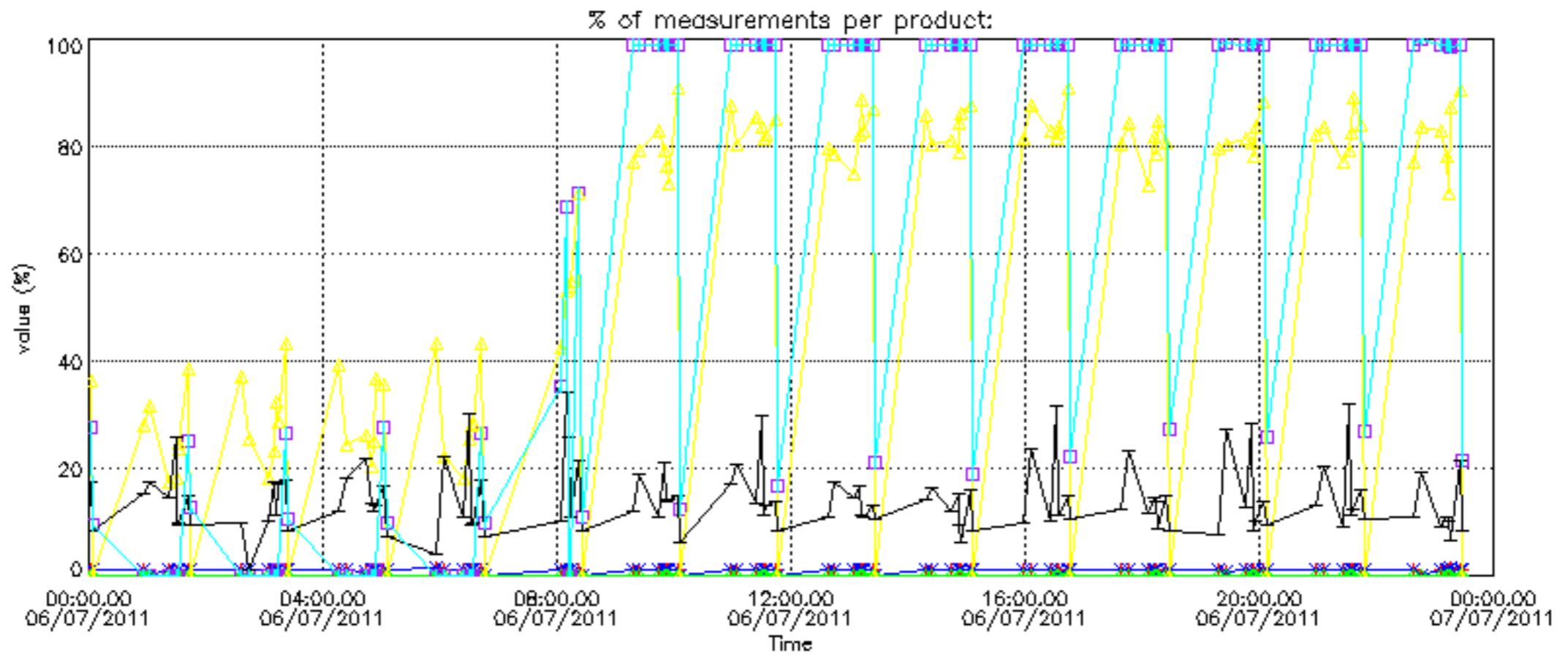


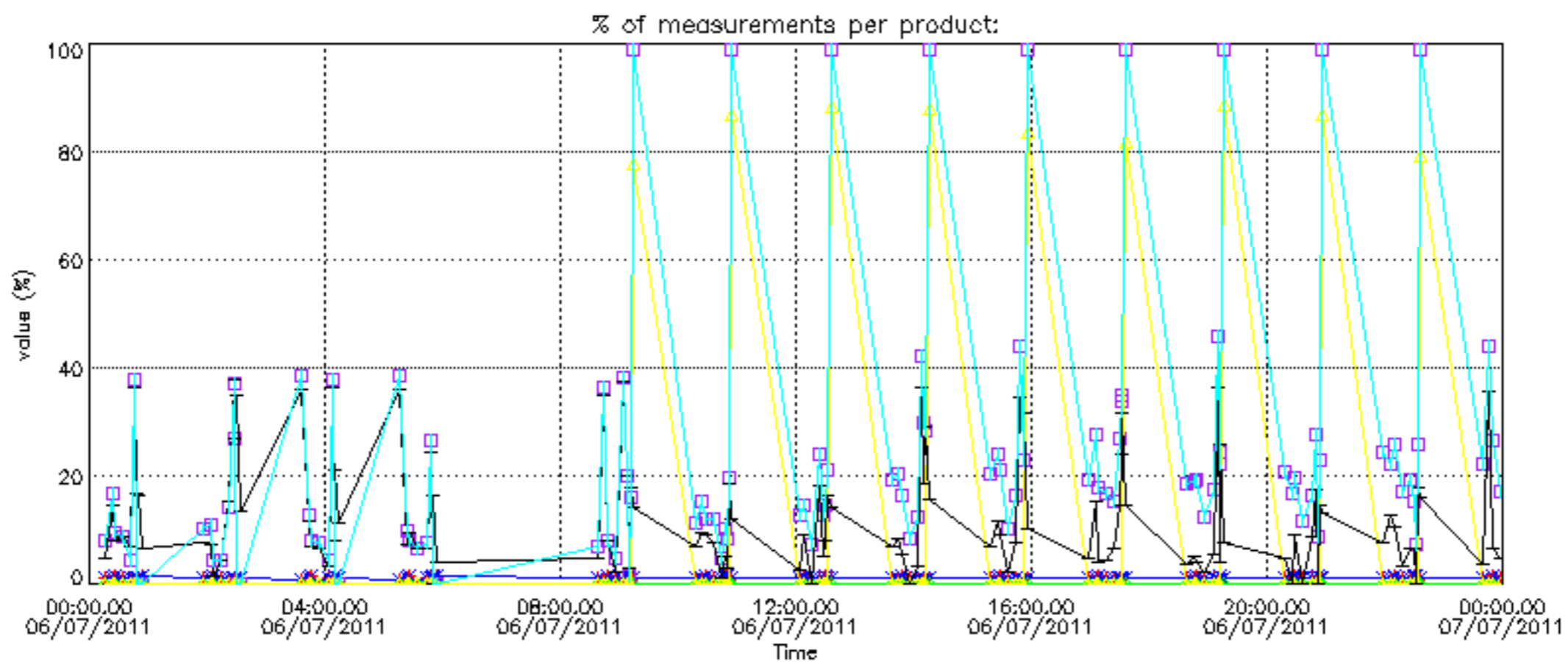
Percentage of flagged data per NO2 profile



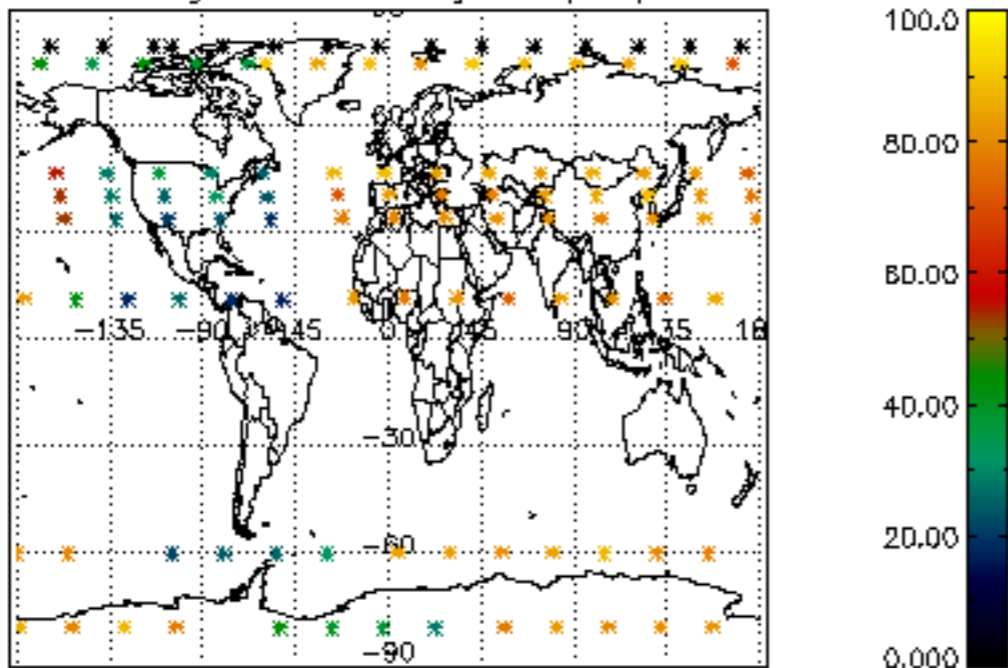
Percentage of flagged data per NO3 profile



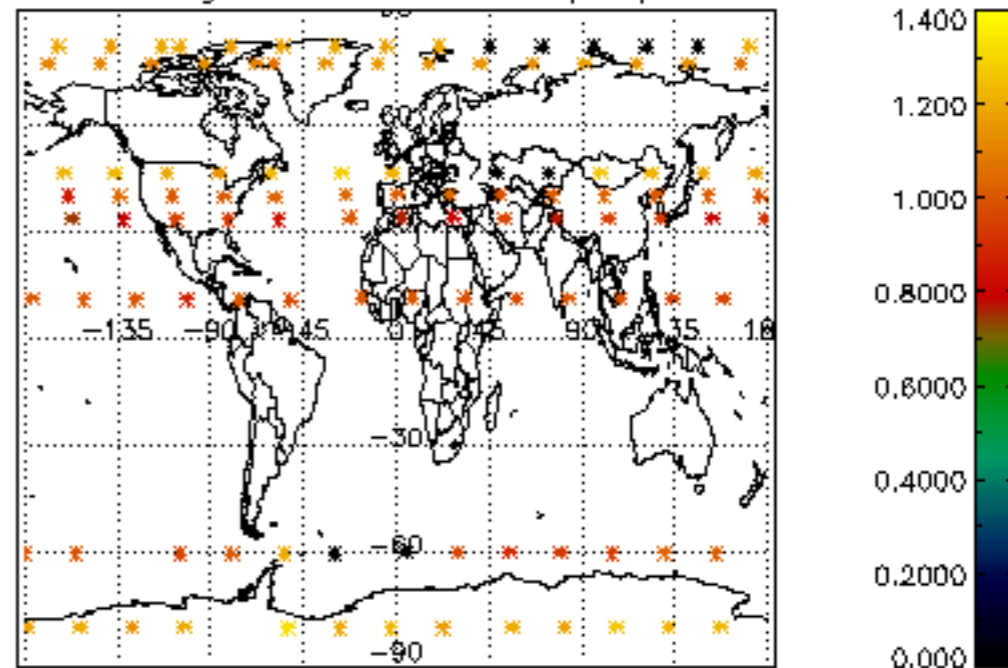




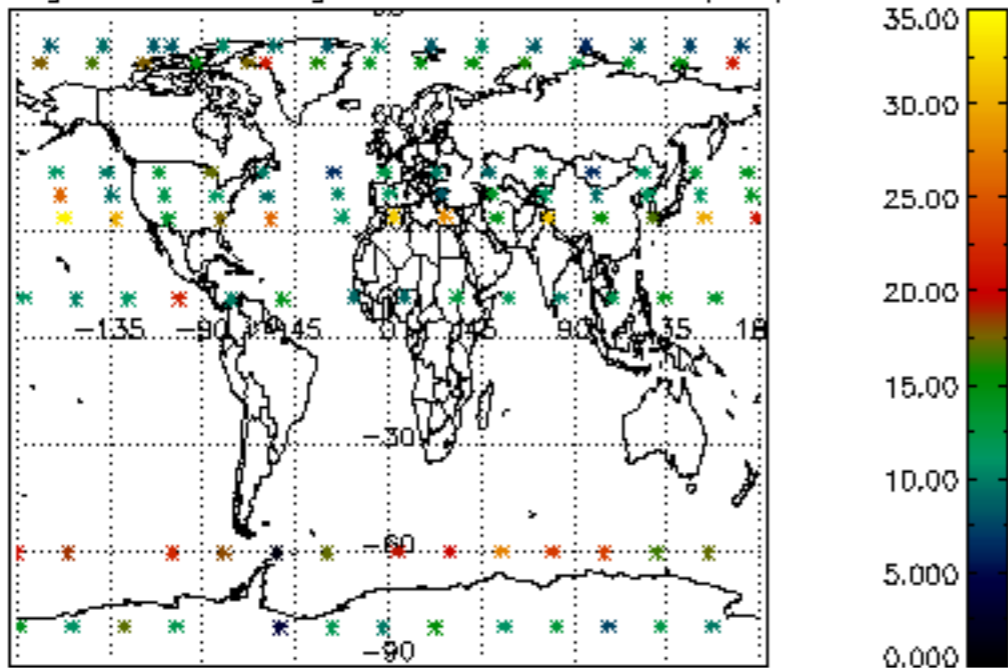
Percentage of cosmic ray hits per profile



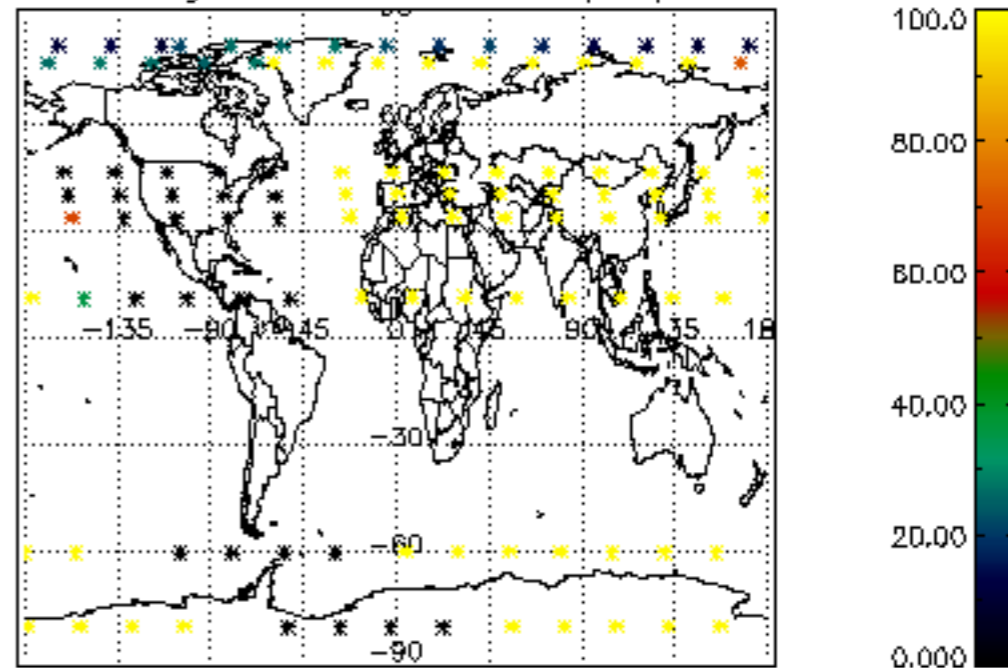
Percentage of datation errors per profile



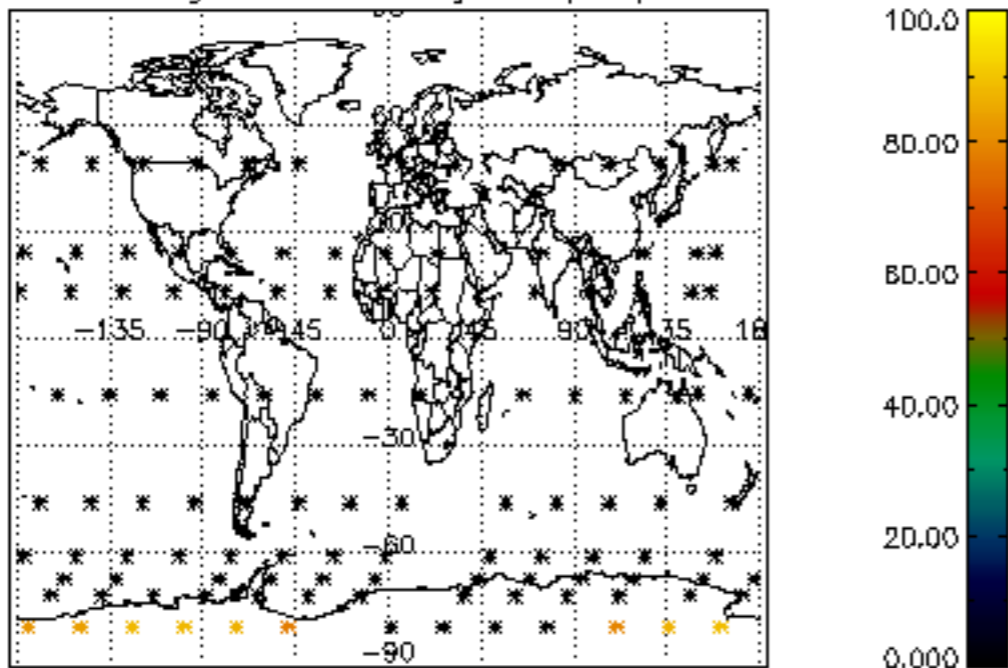
Percentage of star falling outside central band per profile



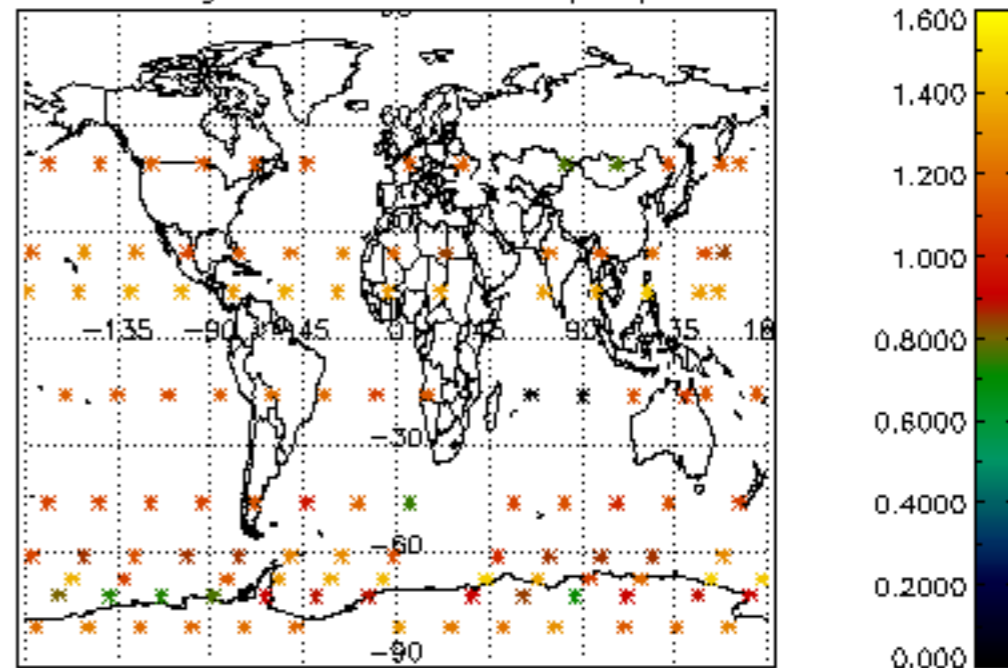
Percentage of saturation errors per profile



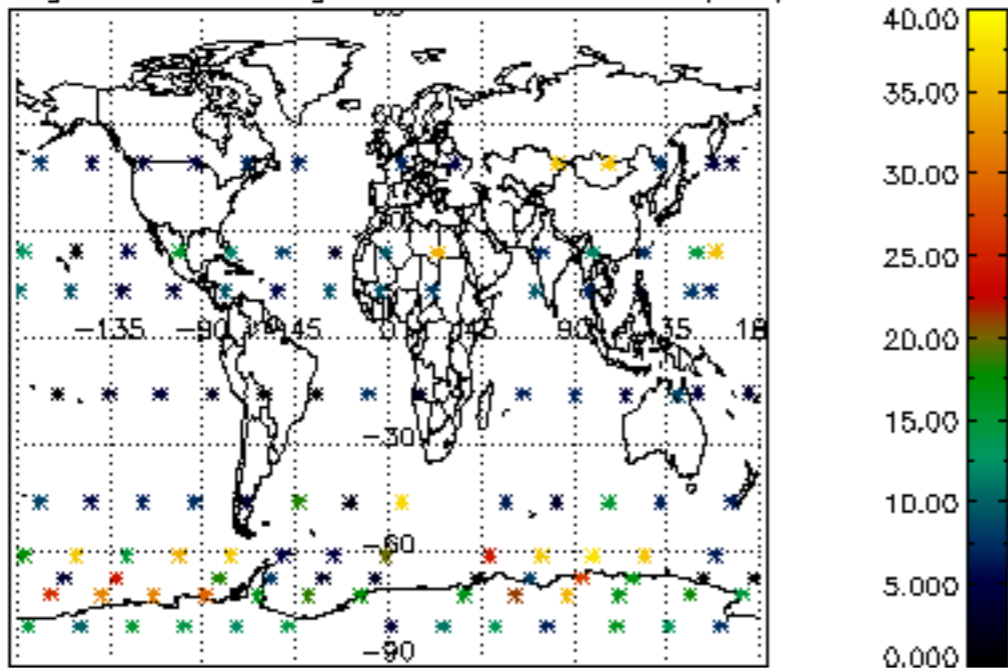
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

