

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	22APR2013 21:05:42
Data source version	GOMOS/6.01
Start time of products	24-06-2007 (24JUN2007 00:00:00)
Stop time of products	25-06-2007 (25JUN2007 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	290
Nb of prods with errors	1

2. Summary of processed GOM_NL__2P products.

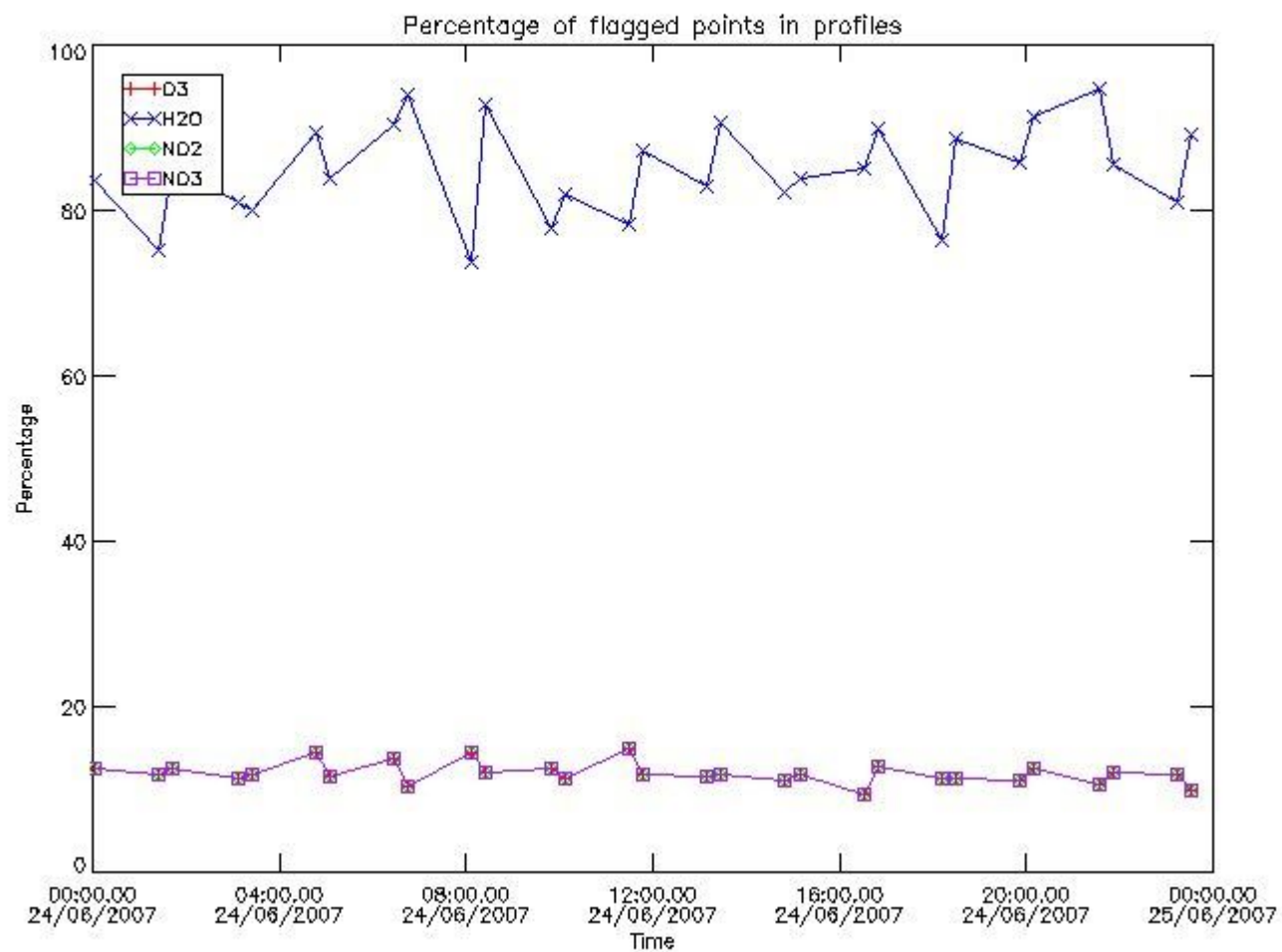
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20070624_000300_000000492059_00173_27782_2729.N1	24-JUN-2007 00:03:00	Dark	49.000	9	Alp Eri	0.45300	24000.	98	27782	No
2	GOM_NL__2PRFIN20070624_001011_000000422059_00174_27783_2761.N1	24-JUN-2007 00:10:11	Straylight	41.500	148	Alp Tuc	2.8780	4100.0	83	27783	No
3	GOM_NL__2PRFIN20070624_001442_000000422059_00174_27783_2762.N1	24-JUN-2007 00:14:42	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	27783	No
4	GOM_NL__2PRFIN20070624_001907_000000402059_00174_27783_2763.N1	24-JUN-2007 00:19:07	Straylight	39.500	141	Bet Ara	2.8400	4600.0	79	27783	No
5	GOM_NL__2PRFIN20070624_002032_000000382059_00174_27783_2764.N1	24-JUN-2007 00:20:32	Straylight	38.000	147	Alp Ara	2.8770	26000.	76	27783	No
6	GOM_NL__2PRFIN20070624_002219_000000422059_00174_27783_2765.N1	24-JUN-2007 00:22:19	Twilight	41.500	40	The Sco	1.8590	7100.0	83	27783	No
7	GOM_NL__2PRFIN20070624_002400_000000422059_00174_27783_2766.N1	24-JUN-2007 00:24:00	Twilight	41.500	25	35Lam Sco	1.6200	28000.	83	27783	No
8	GOM_NL__2PRFIN20070624_002525_000000422059_00174_27783_2767.N1	24-JUN-2007 00:25:25	Bright	41.500	167	10Gam2Sgr	2.9840	4500.0	83	27783	No
9	GOM_NL__2PRFIN20070624_002744_000000402059_00174_27783_2768.N1	24-JUN-2007 00:27:44	Bright	40.000	16	21Alp Sco	1.0200	3000.0	80	27783	No
10	GOM_NL__2PRFIN20070624_003020_000000372059_00174_27783_2769.N1	24-JUN-2007 00:30:20	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	27783	No
11	GOM_NL__2PRFIN20070624_003204_000000362059_00174_27783_2770.N1	24-JUN-2007 00:32:04	Bright	35.500	98	13Zet Oph	2.5710	30000.	71	27783	No
12	GOM_NL__2PRFIN20070624_003411_000000362059_00174_27783_2771.N1	24-JUN-2007 00:34:11	Bright	35.500	120	1Del Oph	2.7340	3200.0	71	27783	No
13	GOM_NL__2PRFIN20070624_004107_000000382059_00174_27783_2772.N1	24-JUN-2007 00:41:07	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	27783	No
14	GOM_NL__2PRFIN20070624_004359_000000362059_00174_27783_2773.N1	24-JUN-2007 00:43:59	Bright	35.500	133	40Zet Her	2.8070	6000.0	71	27783	No
15	GOM_NL__2PRFIN20070624_005225_000000372059_00174_27783_2774.N1	24-JUN-2007 00:52:25	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	27783	No
16	GOM_NL__2PRFIN20070624_005611_000000342059_00174_27783_2775.N1	24-JUN-2007 00:56:11	Bright	33.500	60	7Bet UMi	2.0810	3950.0	67	27783	No
17	GOM_NL__2PRFIN20070624_010038_000000362059_00174_27783_2776.N1	24-JUN-2007 01:00:38	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	27783	No
18	GOM_NL__2PRFIN20070624_011058_000000462059_00174_27783_2777.N1	24-JUN-2007 01:10:58	Bright	45.500	160	23Gam Per	2.9300	4700.0	91	27783	No
19	GOM_NL__2PRFIN20070624_011440_000000372059_00174_27783_2778.N1	24-JUN-2007 01:14:40	Bright	36.500	79	26Bet Per	2.3100	13100.	73	27783	No
20	GOM_NL__2PRFIN20070624_012530_000000472059_00174_27783_2779.N1	24-JUN-2007 01:25:30	Dark	46.500	94	92Alp Cet	2.5260	3100.0	93	27783	No
21	GOM_NL__2PRFIN20070624_014336_000000412059_00174_27783_2780.N1	24-JUN-2007 01:43:36	Dark	40.500	9	Alp Eri	0.45300	24000.	81	27783	No
22	GOM_NL__2PRFIN20070624_015047_000000392059_00175_27784_2772.N1	24-JUN-2007 01:50:47	Straylight	39.000	148	Alp Tuc	2.8780	4100.0	78	27784	No
23	GOM_NL__2PRFIN20070624_015519_000000422059_00175_27784_2773.N1	24-JUN-2007 01:55:19	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	27784	No
24	GOM_NL__2PRFIN20070624_015943_000000392059_00175_27784_2774.N1	24-JUN-2007 01:59:43	Straylight	38.500	141	Bet Ara	2.8400	4600.0	77	27784	No
25	GOM_NL__2PRFIN20070624_020108_000000392059_00175_27784_2775.N1	24-JUN-2007 02:01:08	Straylight	38.500	147	Alp Ara	2.8770	26000.	77	27784	No
26	GOM_NL__2PRFIN20070624_020255_000000432059_00175_27784_2776.N1	24-JUN-2007 02:02:55	Twilight	42.500	40	The Sco	1.8590	7100.0	85	27784	No
27	GOM_NL__2PRFIN20070624_020436_000000412059_00175_27784_2777.N1	24-JUN-2007 02:04:36	Twilight	40.500	25	35Lam Sco	1.6200	28000.	81	27784	No
28	GOM_NL__2PRFIN20070624_020601_000000442059_00175_27784_2778.N1	24-JUN-2007 02:06:01	Bright	44.000	167	10Gam2Sgr	2.9840	4500.0	88	27784	No
29	GOM_NL__2PRFIN20070624_020820_000000412059_00175_27784_2779.N1	24-JUN-2007 02:08:20	Bright	41.000	16	21Alp Sco	1.0200	3000.0	82	27784	No
30	GOM_NL__2PRFIN20070624_021056_000000382059_00175_27784_2780.N1	24-JUN-2007 02:10:56	Bright	37.500	86	35Eta Oph	2.4300	10200.	75	27784	No
31	GOM_NL__2PRFIN20070624_021240_000000362059_00175_27784_2781.N1	24-JUN-2007 02:12:40	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	27784	No
32	GOM_NL__2PRFIN20070624_021447_000000362059_00175_27784_2782.N1	24-JUN-2007 02:14:47	Bright	35.500	120	1Del Oph	2.7340	3200.0	71	27784	No
33	GOM_NL__2PRFIN20070624_022143_000000342059_00175_27784_2783.N1	24-JUN-2007 02:21:43	Bright	34.000	127	27Bet Her	2.7810	4700.0	68	27784	No
34	GOM_NL__2PRFIN20070624_022435_000000352059_00175_27784_2784.N1	24-JUN-2007 02:24:35	Bright	34.500	133	40Zet Her	2.8070	6000.0	69	27784	No
35	GOM_NL__2PRFIN20070624_023301_000000322059_00175_27784_2785.N1	24-JUN-2007 02:33:01	Bright	32.000	119	14Eta Dra	2.7270	4700.0	64	27784	No
36	GOM_NL__2PRFIN20070624_023647_000000322059_00175_27784_2786.N1	24-JUN-2007 02:36:47	Bright	32.000	60	7Bet UMi	2.0810	3950.0	64	27784	No
37	GOM_NL__2PRFIN20070624_024114_000000352059_00175_27784_2787.N1	24-JUN-2007 02:41:14	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	27784	No
38	GOM_NL__2PRFIN20070624_025134_000000352059_00175_27784_2788.N1	24-JUN-2007 02:51:34	Bright	34.500	160	23Gam Per	2.9300	4700.0	69	27784	No
39	GOM_NL__2PRFIN20070624_025516_000000362059_00175_27784_2789.N1	24-JUN-2007 02:55:16	Bright	35.500	79	26Bet Per	2.3100	13100.	71	27784	No
40	GOM_NL__2PRFIN20070624_030606_000000452059_00175_27784_2790.N1	24-JUN-2007 03:06:06	Dark	45.000	94	92Alp Cet	2.5260	3100.0	90	27784	No
41	GOM_NL__2PRFIN20070624_032412_000000432059_00175_27784_2791.N1	24-JUN-2007 03:24:12	Dark	43.000	9	Alp Eri	0.45300	24000.	86	27784	No
42	GOM_NL__2PRFIN20070624_033124_000000422059_00176_27785_2789.N1	24-JUN-2007 03:31:24	Straylight	41.500	148	Alp Tuc	2.8780	4100.0	83	27785	No

279	GOM_NL__2PRFIN20070624_230229_000000362059_00187_27796_3125.N1	24-JUN-2007 23:02:29	Bright	36.000	79	26Bet Per	2.3100	13100.	72	27796	No
280	GOM_NL__2PRFIN20070624_231322_000000472059_00187_27796_3126.N1	24-JUN-2007 23:13:22	Dark	47.000	94	92Alp Cet	2.5260	3100.0	94	27796	No
281	GOM_NL__2PRFIN20070624_233129_000000512059_00188_27797_3127.N1	24-JUN-2007 23:31:29	Dark	51.000	9	Alp Eri	0.45300	24000.	102	27797	No
282	GOM_NL__2PRFIN20070624_233843_000000412059_00188_27797_3139.N1	24-JUN-2007 23:38:43	Straylight	41.000	148	Alp Tuc	2.8780	4100.0	82	27797	No
283	GOM_NL__2PRFIN20070624_234313_000000402059_00188_27797_3140.N1	24-JUN-2007 23:43:13	Straylight	39.500	45	Alp Pav	1.9400	26000.	79	27797	No
284	GOM_NL__2PRFIN20070624_234733_000000422059_00188_27797_3141.N1	24-JUN-2007 23:47:33	Straylight	41.500	141	Bet Ara	2.8400	4600.0	83	27797	No
285	GOM_NL__2PRFIN20070624_234859_000000402059_00188_27797_3142.N1	24-JUN-2007 23:48:59	Straylight	39.500	147	Alp Ara	2.8770	26000.	79	27797	No
286	GOM_NL__2PRFIN20070624_235045_000000432059_00188_27797_3143.N1	24-JUN-2007 23:50:45	Twi_and_stray	42.500	40	The Sco	1.8590	7100.0	85	27797	No
287	GOM_NL__2PRFIN20070624_235226_000000422059_00188_27797_3144.N1	24-JUN-2007 23:52:26	Twi_and_stray	41.500	25	35Lam Sco	1.6200	28000.	83	27797	No
288	GOM_NL__2PRFIN20070624_235352_000000432059_00188_27797_3145.N1	24-JUN-2007 23:53:52	Bright	42.500	167	10Gam2Sgr	2.9840	4500.0	85	27797	No
289	GOM_NL__2PRFIN20070624_235626_000000232059_00188_27797_3146.N1	24-JUN-2007 23:56:26	Dark	22.500	16	21Alp Sco	1.0200	3000.0	45	27797	Yes
290	GOM_NL__2PRFIN20070624_235845_000000372059_00188_27797_3147.N1	24-JUN-2007 23:58:45	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	27797	No

3. Quality information per product

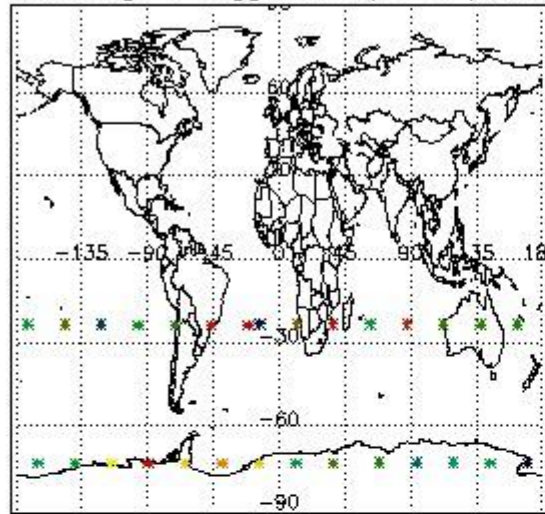
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

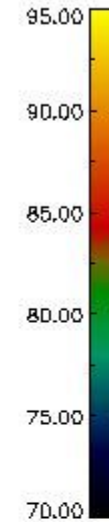
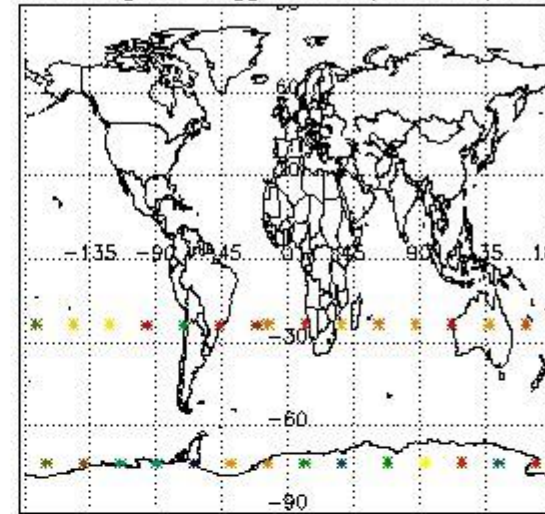


3.2 Plot quality information per product (world map)

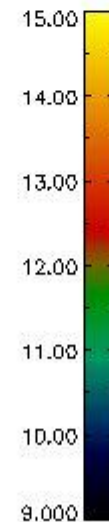
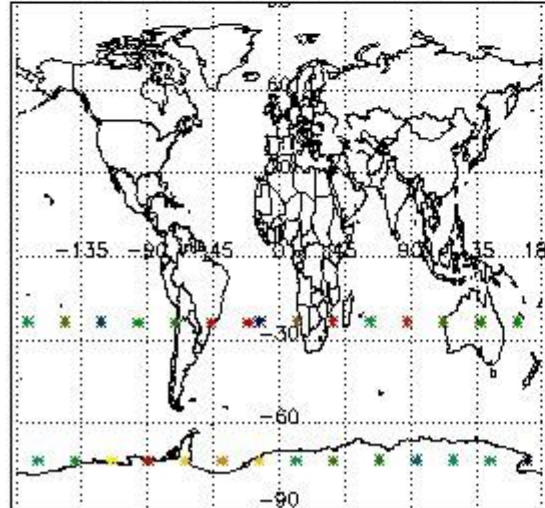
Percentage of flagged data per O3 profile



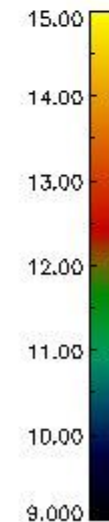
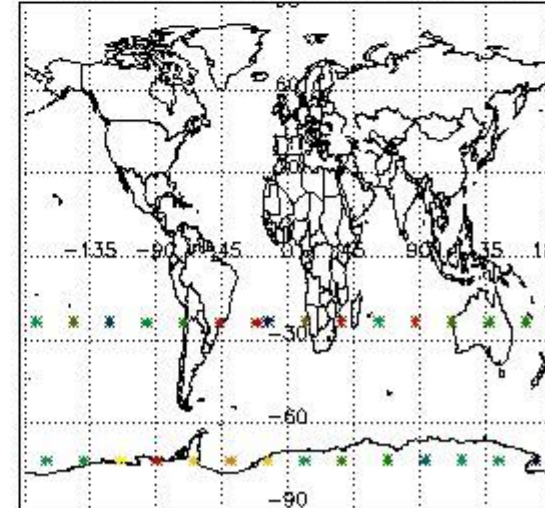
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

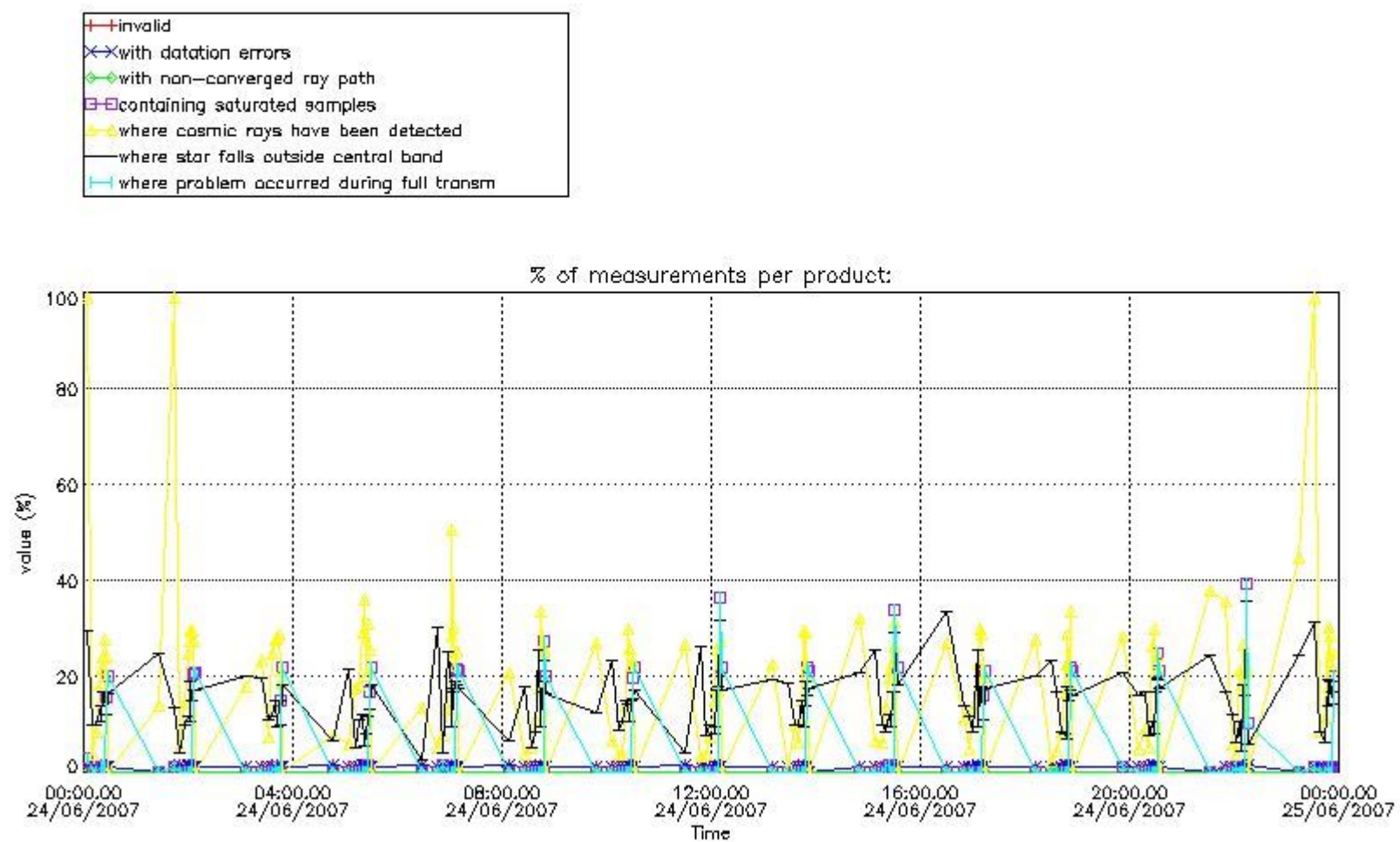


4. Level 1 quality information per product

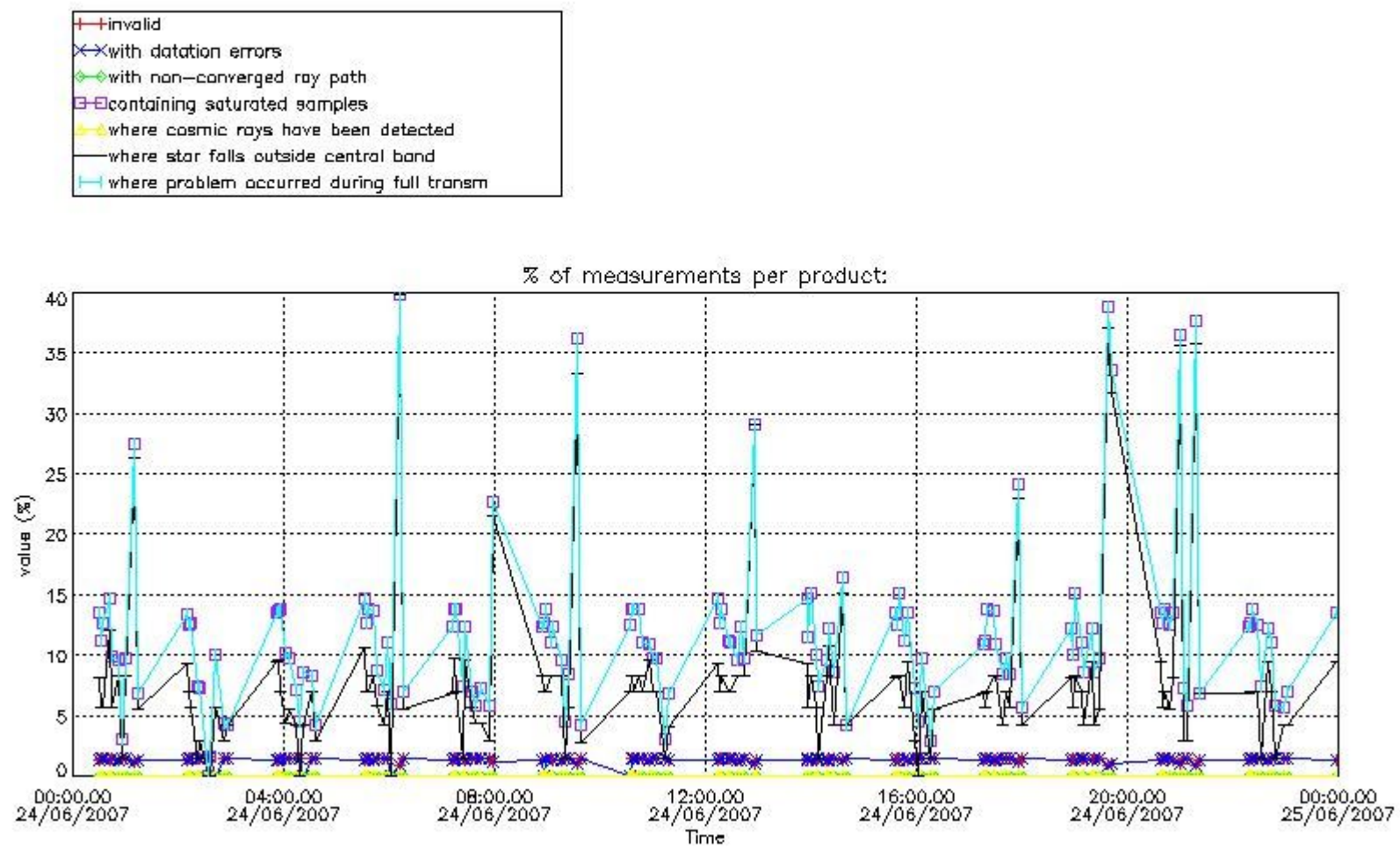
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



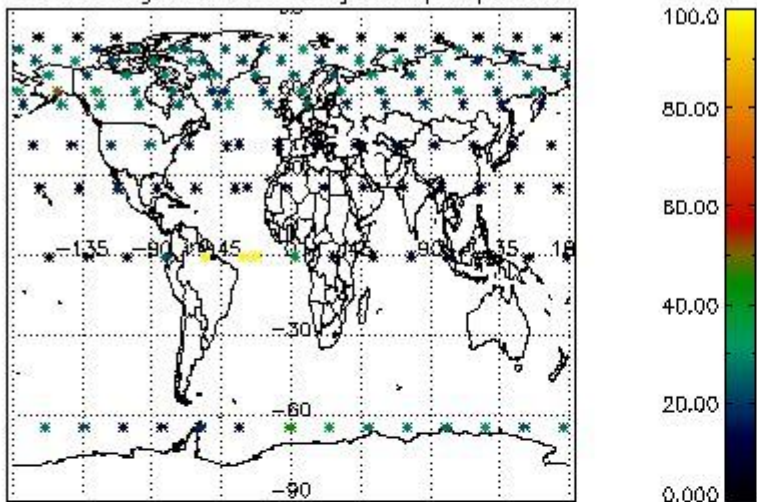
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



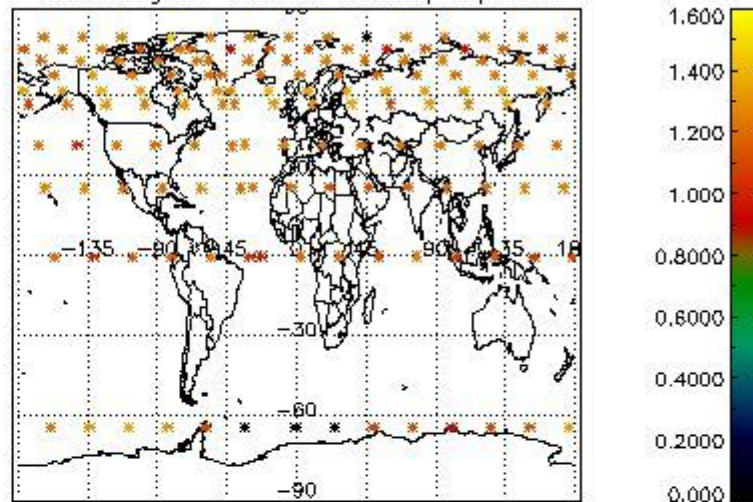
4.2 Plot quality information per product coming from level 1b processing (world map)

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

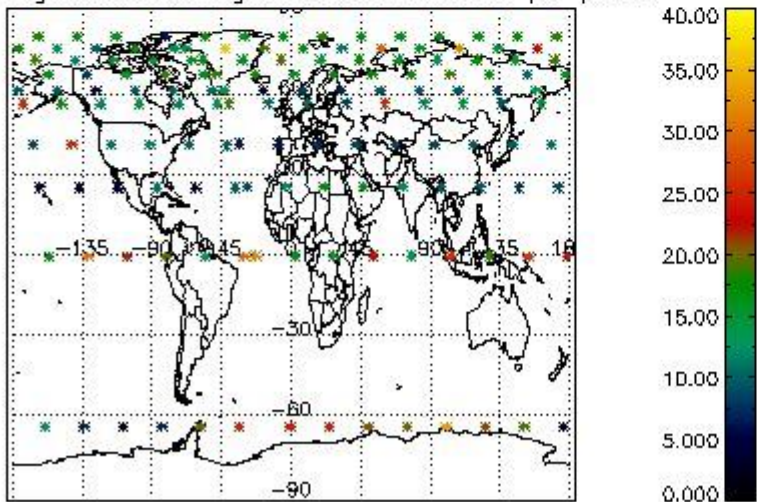
Percentage of cosmic ray hits per profile



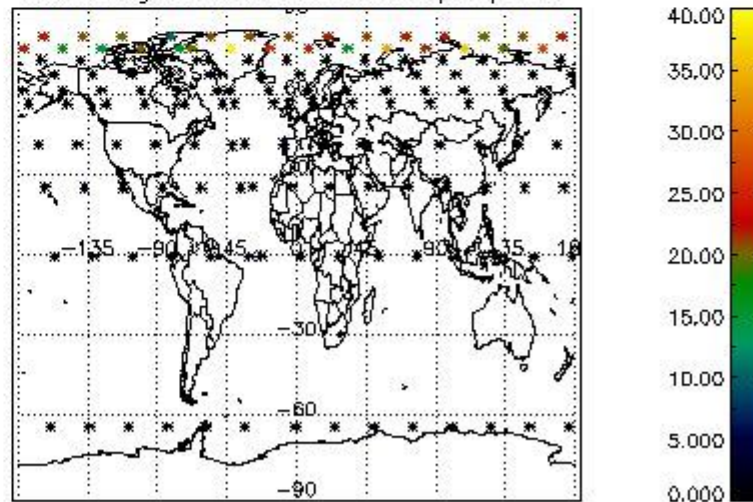
Percentage of datation errors per profile



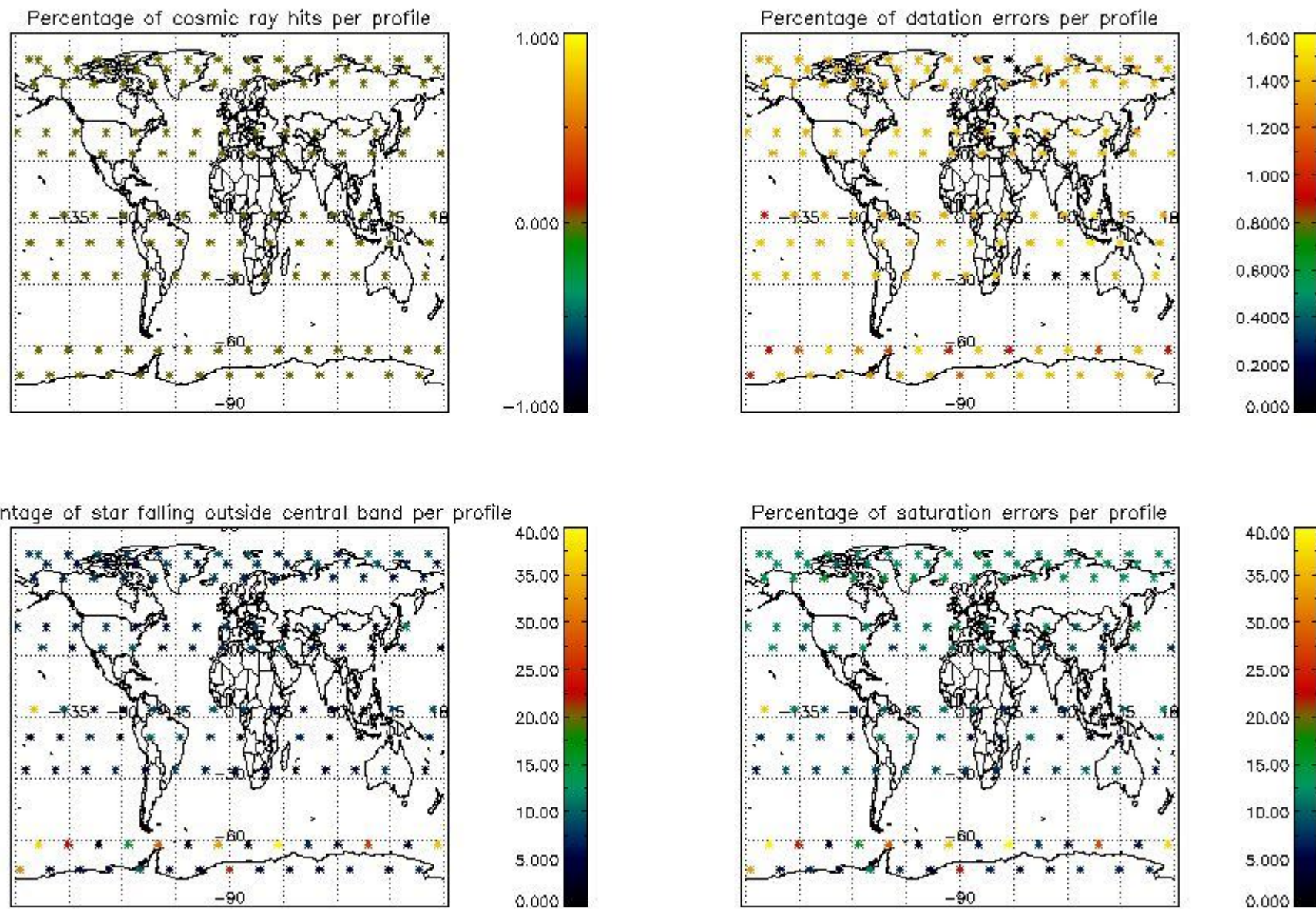
Percentage of star falling outside central band per profile



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

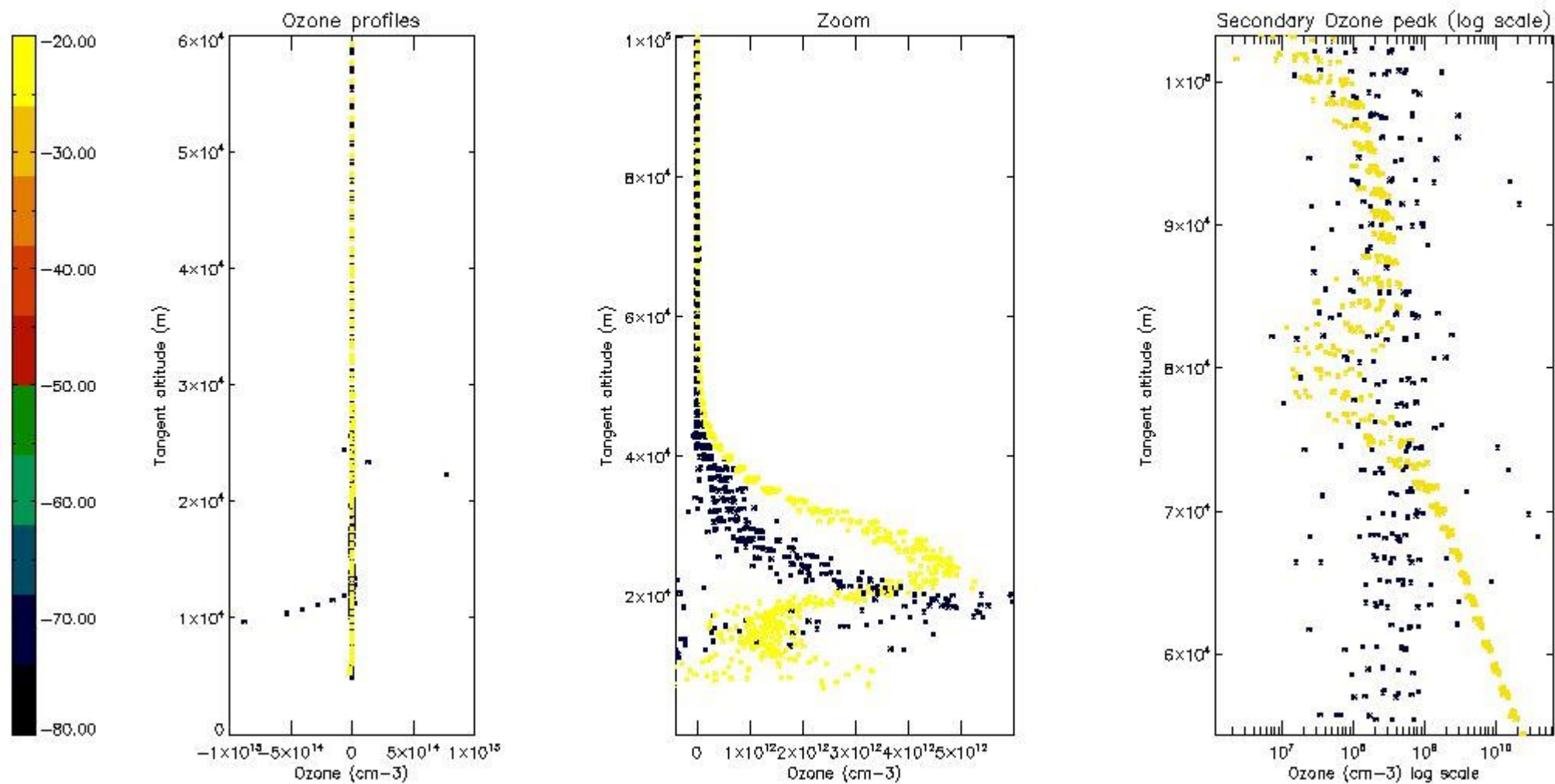
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	12
STD < 20	5

STD < 10	4
STD < 5	3

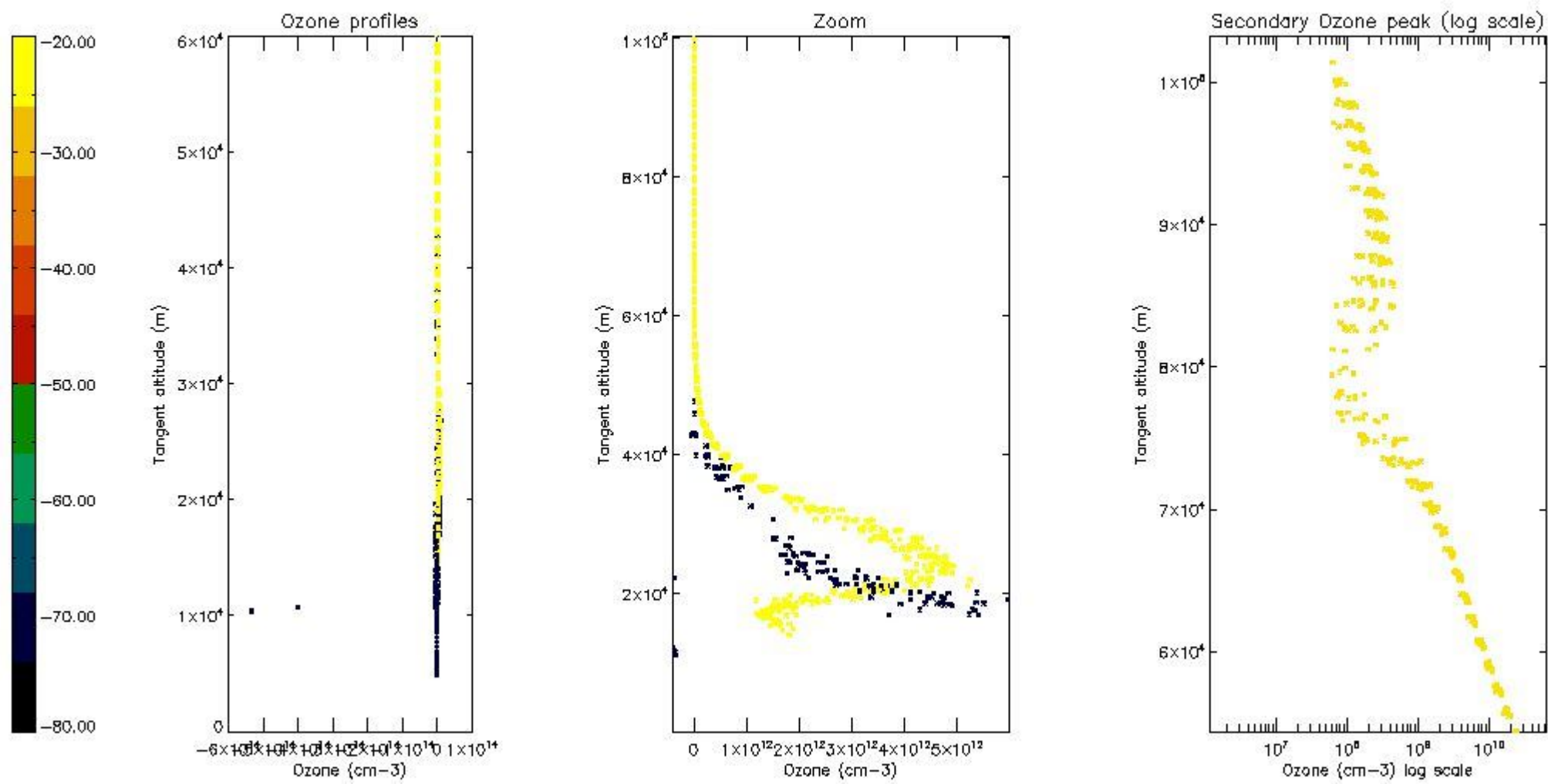
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



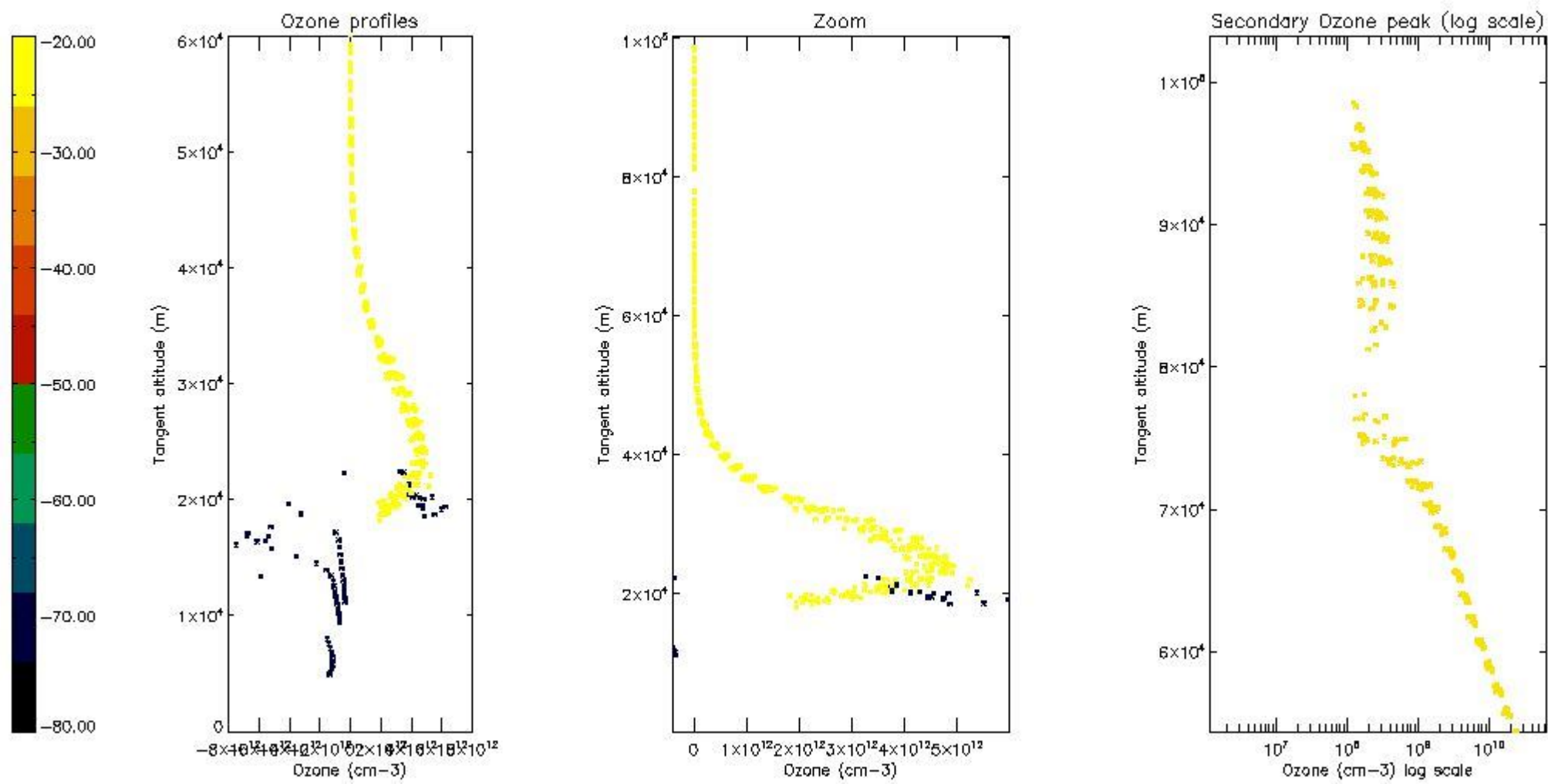
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



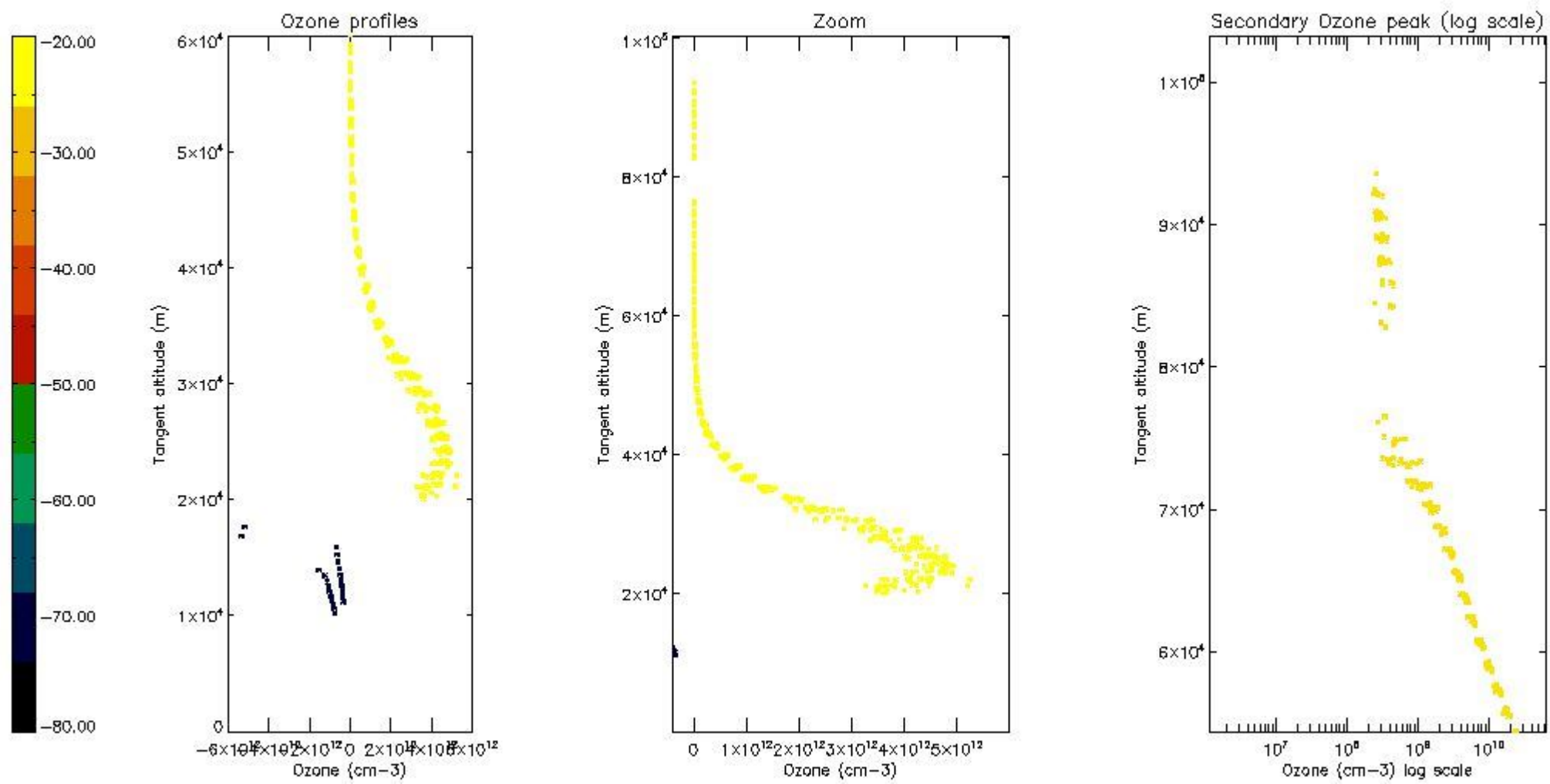
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



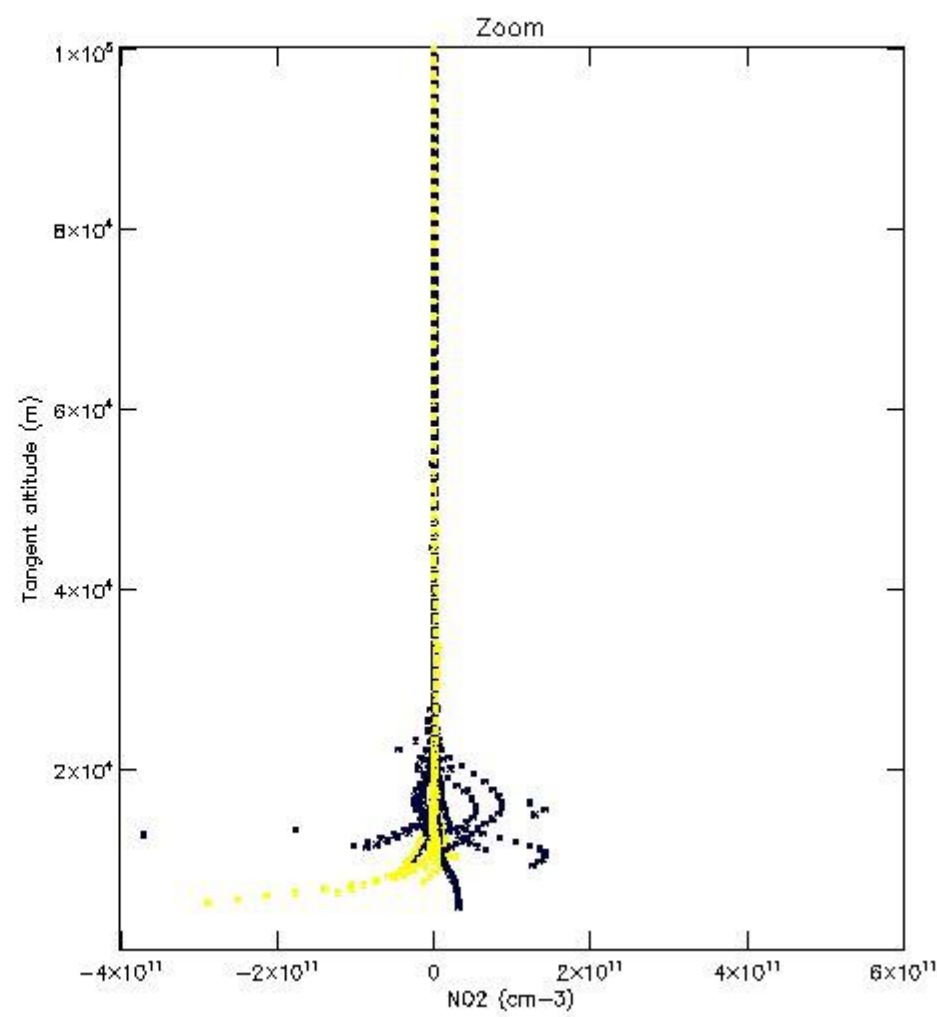
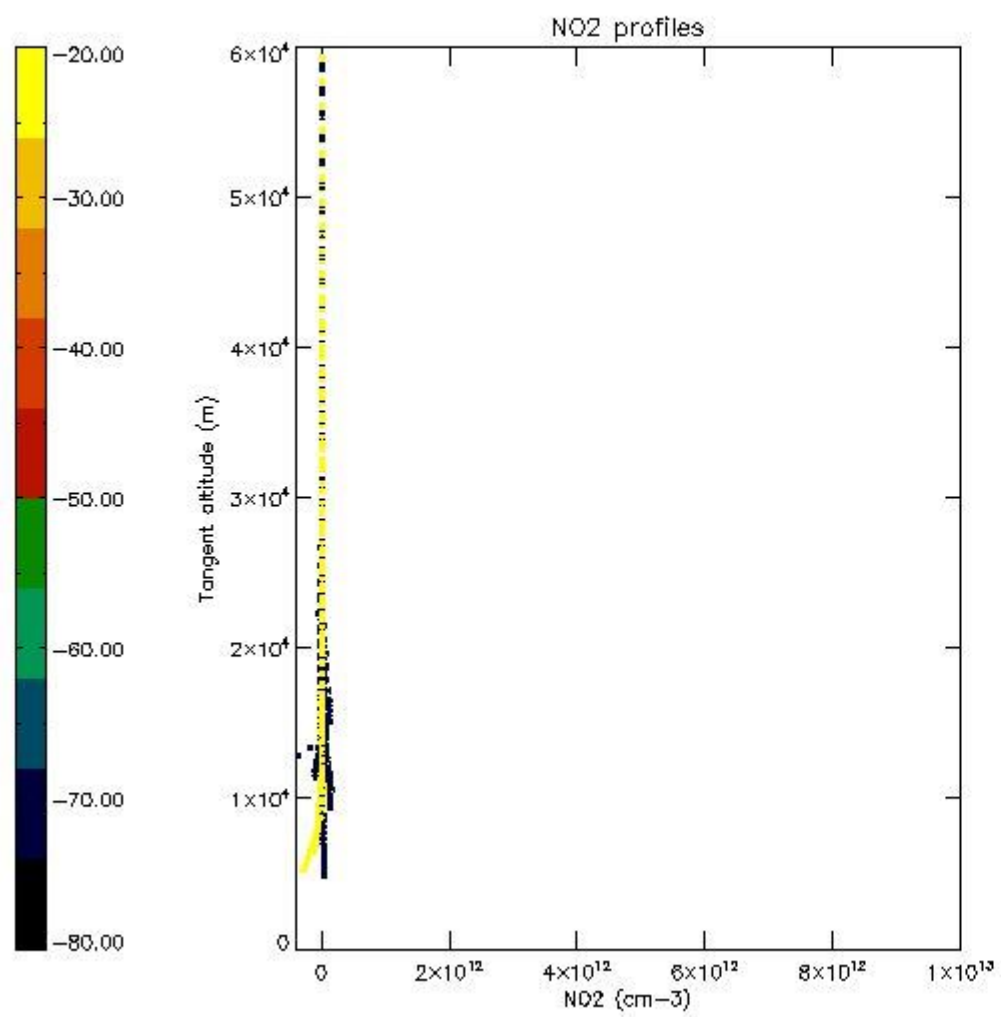
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



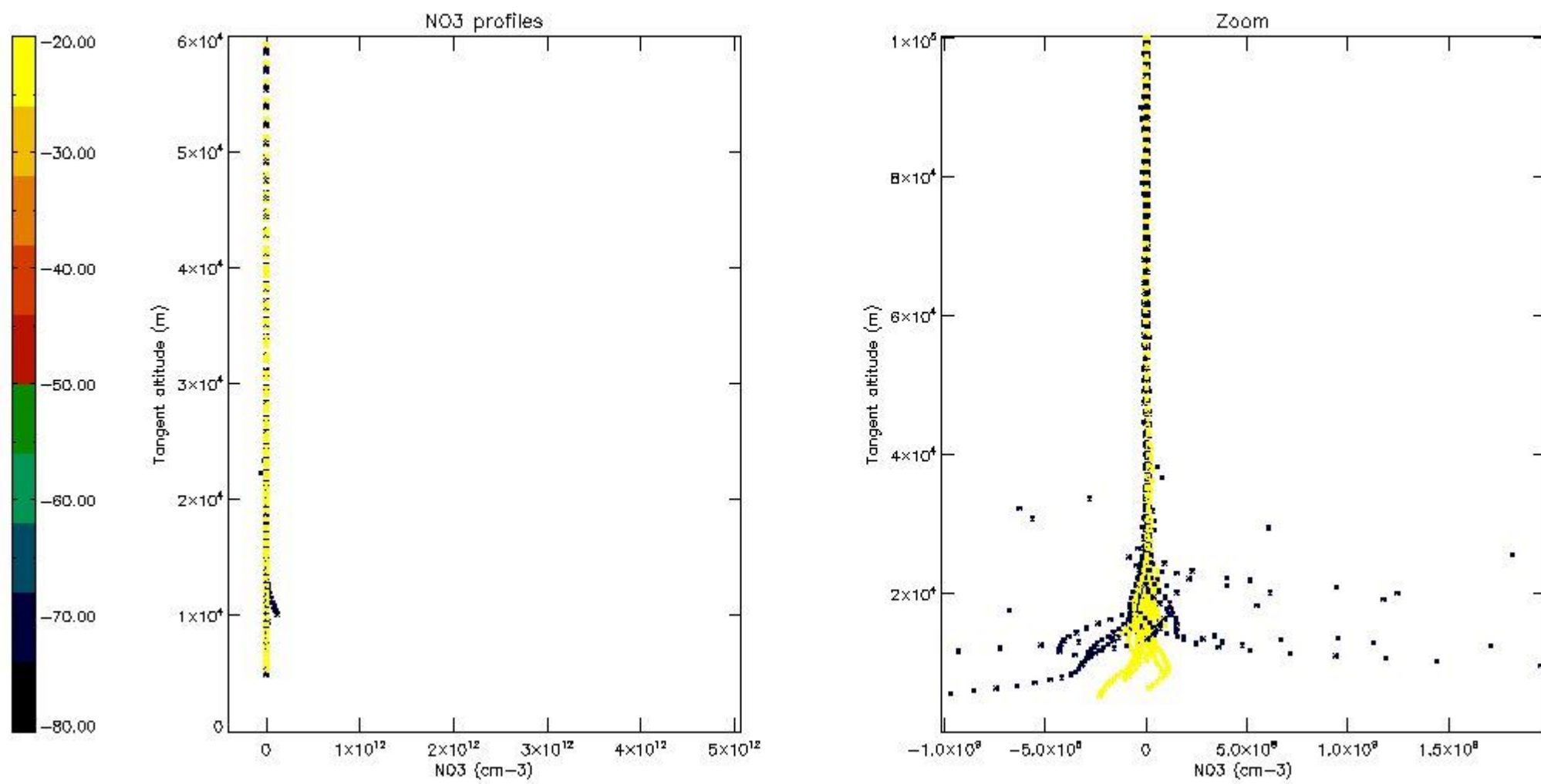
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



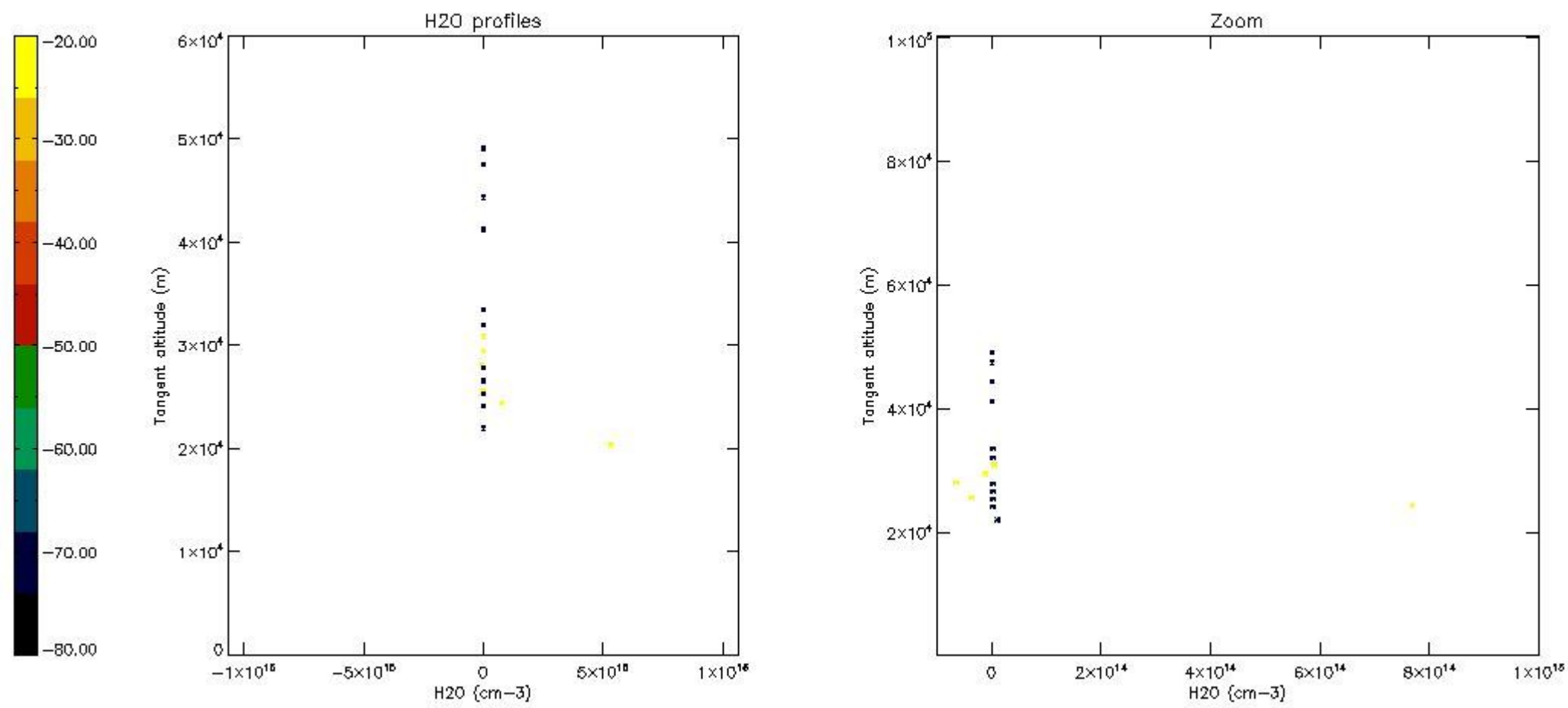
5.7 Plot NO3 profiles for all STD (dark without errors)

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	24-JUN-2007 00:03:00
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	24-JUN-2007 00:03:00
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	24-JUN-2007 00:03:00

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	22APR2013 21:05:42
Data source version	GOMOS/6.01
Start time of products	24-06-2007 (24JUN2007 00:00:00)
Stop time of products	25-06-2007 (25JUN2007 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	290
Nb of prods with errors	1

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__2PRFIN20070624_000300_000000492059_00173_27782_2729.N1	24-JUN-2007 00:03:00	Dark	49.000	9	Alp Eri	0.45300	24000.	98	27782	No
2	GOM_NL__2PRFIN20070624_001011_000000422059_00174_27783_2761.N1	24-JUN-2007 00:10:11	Straylight	41.500	148	Alp Tuc	2.8780	4100.0	83	27783	No
3	GOM_NL__2PRFIN20070624_001442_000000422059_00174_27783_2762.N1	24-JUN-2007 00:14:42	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	27783	No
4	GOM_NL__2PRFIN20070624_001907_000000402059_00174_27783_2763.N1	24-JUN-2007 00:19:07	Straylight	39.500	141	Bet Ara	2.8400	4600.0	79	27783	No
5	GOM_NL__2PRFIN20070624_002032_000000382059_00174_27783_2764.N1	24-JUN-2007 00:20:32	Straylight	38.000	147	Alp Ara	2.8770	26000.	76	27783	No
6	GOM_NL__2PRFIN20070624_002219_000000422059_00174_27783_2765.N1	24-JUN-2007 00:22:19	Straylight	41.500	40	The Sco	1.8590	7100.0	83	27783	No
7	GOM_NL__2PRFIN20070624_002400_000000422059_00174_27783_2766.N1	24-JUN-2007 00:24:00	Straylight	41.500	25	35Lam Sco	1.6200	28000.	83	27783	No
8	GOM_NL__2PRFIN20070624_002525_000000422059_00174_27783_2767.N1	24-JUN-2007 00:25:25	Bright	41.500	167	10Gam2Sgr	2.9840	4500.0	83	27783	No
9	GOM_NL__2PRFIN20070624_002744_000000402059_00174_27783_2768.N1	24-JUN-2007 00:27:44	Bright	40.000	16	21Alp Sco	1.0200	3000.0	80	27783	No
10	GOM_NL__2PRFIN20070624_003020_000000372059_00174_27783_2769.N1	24-JUN-2007 00:30:20	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	27783	No
11	GOM_NL__2PRFIN20070624_003204_000000362059_00174_27783_2770.N1	24-JUN-2007 00:32:04	Bright	35.500	98	13Zet Oph	2.5710	30000.	71	27783	No
12	GOM_NL__2PRFIN20070624_003411_000000362059_00174_27783_2771.N1	24-JUN-2007 00:34:11	Bright	35.500	120	1Del Oph	2.7340	3200.0	71	27783	No
13	GOM_NL__2PRFIN20070624_004107_000000382059_00174_27783_2772.N1	24-JUN-2007 00:41:07	Bright	37.500	127	27Bet Her	2.7810	4700.0	75	27783	No
14	GOM_NL__2PRFIN20070624_004359_000000362059_00174_27783_2773.N1	24-JUN-2007 00:43:59	Bright	35.500	133	40Zet Her	2.8070	6000.0	71	27783	No
15	GOM_NL__2PRFIN20070624_005225_000000372059_00174_27783_2774.N1	24-JUN-2007 00:52:25	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	27783	No
16	GOM_NL__2PRFIN20070624_005611_000000342059_00174_27783_2775.N1	24-JUN-2007 00:56:11	Bright	33.500	60	7Bet UMi	2.0810	3950.0	67	27783	No
17	GOM_NL__2PRFIN20070624_010038_000000362059_00174_27783_2776.N1	24-JUN-2007 01:00:38	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	27783	No
18	GOM_NL__2PRFIN20070624_011058_000000462059_00174_27783_2777.N1	24-JUN-2007 01:10:58	Bright	45.500	160	23Gam Per	2.9300	4700.0	91	27783	No
19	GOM_NL__2PRFIN20070624_011440_000000372059_00174_27783_2778.N1	24-JUN-2007 01:14:40	Bright	36.500	79	26Bet Per	2.3100	13100.	73	27783	No
20	GOM_NL__2PRFIN20070624_012530_000000472059_00174_27783_2779.N1	24-JUN-2007 01:25:30	Dark	46.500	94	92Alp Cet	2.5260	3100.0	93	27783	No
21	GOM_NL__2PRFIN20070624_014336_000000412059_00174_27783_2780.N1	24-JUN-2007 01:43:36	Dark	40.500	9	Alp Eri	0.45300	24000.	81	27783	No
22	GOM_NL__2PRFIN20070624_015047_000000392059_00175_27784_2772.N1	24-JUN-2007 01:50:47	Straylight	39.000	148	Alp Tuc	2.8780	4100.0	78	27784	No
23	GOM_NL__2PRFIN20070624_015519_000000422059_00175_27784_2773.N1	24-JUN-2007 01:55:19	Straylight	41.500	45	Alp Pav	1.9400	26000.	83	27784	No
24	GOM_NL__2PRFIN20070624_015943_000000392059_00175_27784_2774.N1	24-JUN-2007 01:59:43	Straylight	38.500	141	Bet Ara	2.8400	4600.0	77	27784	No
25	GOM_NL__2PRFIN20070624_020108_000000392059_00175_27784_2775.N1	24-JUN-2007 02:01:08	Straylight	38.500	147	Alp Ara	2.8770	26000.	77	27784	No
26	GOM_NL__2PRFIN20070624_020255_000000432059_00175_27784_2776.N1	24-JUN-2007 02:02:55	Straylight	42.500	40	The Sco	1.8590	7100.0	85	27784	No
27	GOM_NL__2PRFIN20070624_020436_000000412059_00175_27784_2777.N1	24-JUN-2007 02:04:36	Straylight	40.500	25	35Lam Sco	1.6200	28000.	81	27784	No
28	GOM_NL__2PRFIN20070624_020601_000000442059_00175_27784_2778.N1	24-JUN-2007 02:06:01	Bright	44.000	167	10Gam2Sgr	2.9840	4500.0	88	27784	No
29	GOM_NL__2PRFIN20070624_020820_000000412059_00175_27784_2779.N1	24-JUN-2007 02:08:20	Bright	41.000	16	21Alp Sco	1.0200	3000.0	82	27784	No
30	GOM_NL__2PRFIN20070624_021056_000000382059_00175_27784_2780.N1	24-JUN-2007 02:10:56	Bright	37.500	86	35Eta Oph	2.4300	10200.	75	27784	No
31	GOM_NL__2PRFIN20070624_021240_000000362059_00175_27784_2781.N1	24-JUN-2007 02:12:40	Bright	36.000	98	13Zet Oph	2.5710	30000.	72	27784	No
32	GOM_NL__2PRFIN20070624_021447_000000362059_00175_27784_2782.N1	24-JUN-2007 02:14:47	Bright	35.500	120	1Del Oph	2.7340	3200.0	71	27784	No
33	GOM_NL__2PRFIN20070624_022143_000000342059_00175_27784_2783.N1	24-JUN-2007 02:21:43	Bright	34.000	127	27Bet Her	2.7810	4700.0	68	27784	No
34	GOM_NL__2PRFIN20070624_022435_000000352059_00175_27784_2784.N1	24-JUN-2007 02:24:35	Bright	34.500	133	40Zet Her	2.8070	6000.0	69	27784	No
35	GOM_NL__2PRFIN20070624_023301_000000322059_00175_27784_2785.N1	24-JUN-2007 02:33:01	Bright	32.000	119	14Eta Dra	2.7270	4700.0	64	27784	No
36	GOM_NL__2PRFIN20070624_023647_000000322059_00175_27784_2786.N1	24-JUN-2007 02:36:47	Bright	32.000	60	7Bet UMi	2.0810	3950.0	64	27784	No
37	GOM_NL__2PRFIN20070624_024114_000000352059_00175_27784_2787.N1	24-JUN-2007 02:41:14	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	27784	No
38	GOM_NL__2PRFIN20070624_025134_000000352059_00175_27784_2788.N1	24-JUN-2007 02:51:34	Bright	34.500	160	23Gam Per	2.9300	4700.0	69	27784	No
39	GOM_NL__2PRFIN20070624_025516_000000362059_00175_27784_2789.N1	24-JUN-2007 02:55:16	Bright	35.500	79	26Bet Per	2.3100	13100.	71	27784	No
40	GOM_NL__2PRFIN20070624_030606_000000452059_00175_27784_2790.N1	24-JUN-2007 03:06:06	Dark	45.000	94	92Alp Cet	2.5260	3100.0	90	27784	No
41	GOM_NL__2PRFIN20070624_032412_000000432059_00175_27784_2791.N1	24-JUN-2007 03:24:12	Dark	43.000	9	Alp Eri	0.45300	24000.	86	27784	No
42	GOM_NL__2PRFIN20070624_033124_000000422059_00176_27785_2789.N1	24-JUN-2007 03:31:24	Straylight	41.500	148	Alp Tuc	2.8780	4100.0	83	27785	No

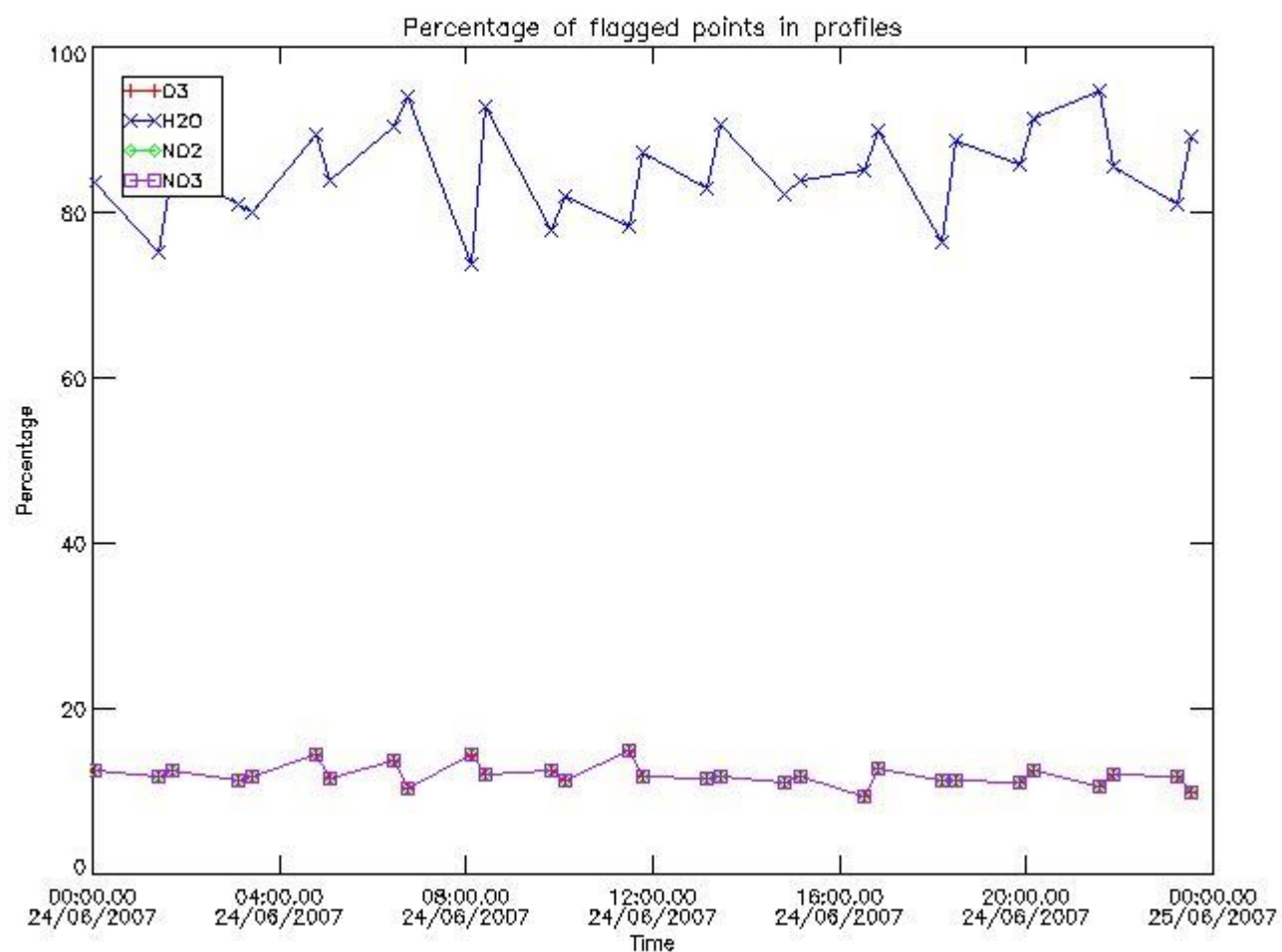
220	GOM_NL__2PRFIN20070624_181133_000000452059_00184_27793_3080.N1	24-JUN-2007 18:11:33	Dark	45.000	94	92Alp Cet	2.5260	3100.0	90	27793	No
221	GOM_NL__2PRFIN20070624_182940_000000452059_00185_27794_3081.N1	24-JUN-2007 18:29:40	Dark	45.000	9	Alp Eri	0.45300	24000.	90	27794	No
222	GOM_NL__2PRFIN20070624_183653_000000452059_00185_27794_3077.N1	24-JUN-2007 18:36:53	Straylight	45.000	148	Alp Tuc	2.8780	4100.0	90	27794	No
223	GOM_NL__2PRFIN20070624_184124_000000412059_00185_27794_3078.N1	24-JUN-2007 18:41:24	Straylight	41.000	45	Alp Pav	1.9400	26000.	82	27794	No
224	GOM_NL__2PRFIN20070624_184545_000000372059_00185_27794_3079.N1	24-JUN-2007 18:45:45	Straylight	37.000	141	Bet Ara	2.8400	4600.0	74	27794	No
225	GOM_NL__2PRFIN20070624_184710_000000372059_00185_27794_3080.N1	24-JUN-2007 18:47:10	Straylight	36.500	147	Alp Ara	2.8770	26000.	73	27794	No
226	GOM_NL__2PRFIN20070624_184857_000000422059_00185_27794_3081.N1	24-JUN-2007 18:48:57	Tw_i_and_stray	42.000	40	The Sco	1.8590	7100.0	84	27794	No
227	GOM_NL__2PRFIN20070624_185038_000000412059_00185_27794_3082.N1	24-JUN-2007 18:50:38	Tw_i_and_stray	40.500	25	35Lam Sco	1.6200	28000.	81	27794	No
228	GOM_NL__2PRFIN20070624_185203_000000442059_00185_27794_3083.N1	24-JUN-2007 18:52:03	Bright	43.500	167	10Gam2Sgr	2.9840	4500.0	87	27794	No
229	GOM_NL__2PRFIN20070624_185421_000000412059_00185_27794_3084.N1	24-JUN-2007 18:54:21	Bright	40.500	16	21Alp Sco	1.0200	3000.0	81	27794	No
230	GOM_NL__2PRFIN20070624_185657_000000372059_00185_27794_3085.N1	24-JUN-2007 18:56:57	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	27794	No
231	GOM_NL__2PRFIN20070624_185841_000000352059_00185_27794_3086.N1	24-JUN-2007 18:58:41	Bright	35.000	98	13Zet Oph	2.5710	30000.	70	27794	No
232	GOM_NL__2PRFIN20070624_190048_000000372059_00185_27794_3087.N1	24-JUN-2007 19:00:48	Bright	36.500	120	1Del Oph	2.7340	3200.0	73	27794	No
233	GOM_NL__2PRFIN20070624_190743_000000362059_00185_27794_3088.N1	24-JUN-2007 19:07:43	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	27794	No
234	GOM_NL__2PRFIN20070624_191034_000000352059_00185_27794_3089.N1	24-JUN-2007 19:10:34	Bright	35.000	133	40Zet Her	2.8070	6000.0	70	27794	No
235	GOM_NL__2PRFIN20070624_191900_000000372059_00185_27794_3090.N1	24-JUN-2007 19:19:00	Bright	37.000	119	14Eta Dra	2.7270	4700.0	74	27794	No
236	GOM_NL__2PRFIN20070624_192247_000000352059_00185_27794_3091.N1	24-JUN-2007 19:22:47	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	27794	No
237	GOM_NL__2PRFIN20070624_192714_000000362059_00185_27794_3092.N1	24-JUN-2007 19:27:14	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	27794	No
238	GOM_NL__2PRFIN20070624_193733_000000542059_00185_27794_3093.N1	24-JUN-2007 19:37:33	Bright	54.000	160	23Gam Per	2.9300	4700.0	108	27794	No
239	GOM_NL__2PRFIN20070624_194117_000000512059_00185_27794_3094.N1	24-JUN-2007 19:41:17	Bright	50.500	79	26Bet Per	2.3100	13100.	101	27794	No
240	GOM_NL__2PRFIN20070624_195209_000000462059_00185_27794_3095.N1	24-JUN-2007 19:52:09	Dark	46.000	94	92Alp Cet	2.5260	3100.0	92	27794	No
241	GOM_NL__2PRFIN20070624_201016_000000412059_00186_27795_3096.N1	24-JUN-2007 20:10:16	Dark	41.000	9	Alp Eri	0.45300	24000.	82	27795	No
242	GOM_NL__2PRFIN20070624_201730_000000452059_00186_27795_3093.N1	24-JUN-2007 20:17:30	Straylight	44.500	148	Alp Tuc	2.8780	4100.0	89	27795	No
243	GOM_NL__2PRFIN20070624_202200_000000402059_00186_27795_3094.N1	24-JUN-2007 20:22:00	Straylight	40.000	45	Alp Pav	1.9400	26000.	80	27795	No
244	GOM_NL__2PRFIN20070624_202621_000000382059_00186_27795_3095.N1	24-JUN-2007 20:26:21	Straylight	38.000	141	Bet Ara	2.8400	4600.0	76	27795	No
245	GOM_NL__2PRFIN20070624_202746_000000372059_00186_27795_3096.N1	24-JUN-2007 20:27:46	Straylight	37.000	147	Alp Ara	2.8770	26000.	74	27795	No
246	GOM_NL__2PRFIN20070624_202933_000000422059_00186_27795_3097.N1	24-JUN-2007 20:29:33	Tw_i_and_stray	41.500	40	The Sco	1.8590	7100.0	83	27795	No
247	GOM_NL__2PRFIN20070624_203114_000000432059_00186_27795_3098.N1	24-JUN-2007 20:31:14	Tw_i_and_stray	43.000	25	35Lam Sco	1.6200	28000.	86	27795	No
248	GOM_NL__2PRFIN20070624_203239_000000452059_00186_27795_3099.N1	24-JUN-2007 20:32:39	Bright	44.500	167	10Gam2Sgr	2.9840	4500.0	89	27795	No
249	GOM_NL__2PRFIN20070624_203457_000000412059_00186_27795_3100.N1	24-JUN-2007 20:34:57	Bright	40.500	16	21Alp Sco	1.0200	3000.0	81	27795	No
250	GOM_NL__2PRFIN20070624_203733_000000372059_00186_27795_3101.N1	24-JUN-2007 20:37:33	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	27795	No
251	GOM_NL__2PRFIN20070624_203917_000000362059_00186_27795_3102.N1	24-JUN-2007 20:39:17	Bright	35.500	98	13Zet Oph	2.5710	30000.	71	27795	No
252	GOM_NL__2PRFIN20070624_204124_000000362059_00186_27795_3103.N1	24-JUN-2007 20:41:24	Bright	36.000	120	1Del Oph	2.7340	3200.0	72	27795	No
253	GOM_NL__2PRFIN20070624_204819_000000362059_00186_27795_3104.N1	24-JUN-2007 20:48:19	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	27795	No
254	GOM_NL__2PRFIN20070624_205110_000000372059_00186_27795_3105.N1	24-JUN-2007 20:51:10	Bright	37.000	133	40Zet Her	2.8070	6000.0	74	27795	No
255	GOM_NL__2PRFIN20070624_205936_000000522059_00186_27795_3106.N1	24-JUN-2007 20:59:36	Bright	52.000	119	14Eta Dra	2.7270	4700.0	104	27795	No
256	GOM_NL__2PRFIN20070624_210323_000000352059_00186_27795_3107.N1	24-JUN-2007 21:03:23	Bright	34.500	60	7Bet UMi	2.0810	3950.0	69	27795	No
257	GOM_NL__2PRFIN20070624_210750_000000352059_00186_27795_3108.N1	24-JUN-2007 21:07:50	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	27795	No
258	GOM_NL__2PRFIN20070624_211809_000000532059_00186_27795_3109.N1	24-JUN-2007 21:18:09	Bright	53.000	160	23Gam Per	2.9300	4700.0	106	27795	No
259	GOM_NL__2PRFIN20070624_212153_000000372059_00186_27795_3110.N1	24-JUN-2007 21:21:53	Bright	36.500	79	26Bet Per	2.3100	13100.	73	27795	No
260	GOM_NL__2PRFIN20070624_213245_000000482059_00186_27795_3111.N1	24-JUN-2007 21:32:45	Dark	47.500	94	92Alp Cet	2.5260	3100.0	95	27795	No
261	GOM_NL__2PRFIN20070624_215052_000000422059_00187_27796_3112.N1	24-JUN-2007 21:50:52	Dark	42.000	9	Alp Eri	0.45300	24000.	84	27796	No
262	GOM_NL__2PRFIN20070624_215806_000000422059_00187_27796_3108.N1	24-JUN-2007 21:58:06	Straylight	42.000	148	Alp Tuc	2.8780	4100.0	84	27796	No
263	GOM_NL__2PRFIN20070624_220237_000000402059_00187_27796_3109.N1	24-JUN-2007 22:02:37	Straylight	40.000	45	Alp Pav	1.9400	26000.	80	27796	No
264	GOM_NL__2PRFIN20070624_220657_000000382059_00187_27796_3110.N1	24-JUN-2007 22:06:57	Straylight	38.000	141	Bet Ara	2.8400	4600.0	76	27796	No
265	GOM_NL__2PRFIN20070624_220823_000000362059_00187_27796_3111.N1	24-JUN-2007 22:08:23	Straylight	35.500	147	Alp Ara	2.8770	26000.	71	27796	No
266	GOM_NL__2PRFIN20070624_221009_000000422059_00187_27796_3112.N1	24-JUN-2007 22:10:09	Tw_i_and_stray	41.500	40	The Sco	1.8590	7100.0	83	27796	No
267	GOM_NL__2PRFIN20070624_221150_000000412059_00187_27796_3113.N1	24-JUN-2007 22:11:50	Tw_i_and_stray	41.000	25	35Lam Sco	1.6200	28000.	82	27796	No
268	GOM_NL__2PRFIN20070624_221316_000000562059_00187_27796_3114.N1	24-JUN-2007 22:13:16	Bright	56.000	167	10Gam2Sgr	2.9840	4500.0	112	27796	No
269	GOM_NL__2PRFIN20070624_221535_000000342059_00187_27796_3115.N1	24-JUN-2007 22:15:35	Bright	34.000	16	21Alp Sco	1.0200	3000.0	68	27796	No
270	GOM_NL__2PRFIN20070624_221809_000000372059_00187_27796_3116.N1	24-JUN-2007 22:18:09	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	27796	No
271	GOM_NL__2PRFIN20070624_221953_000000362059_00187_27796_3117.N1	24-JUN-2007 22:19:53	Bright	35.500	98	13Zet Oph	2.5710	30000.	71	27796	No
272	GOM_NL__2PRFIN20070624_222200_000000362059_00187_27796_3118.N1	24-JUN-2007 22:22:00	Bright	36.000	120	1Del Oph	2.7340	3200.0	72	27796	No
273	GOM_NL__2PRFIN20070624_222855_000000362059_00187_27796_3119.N1	24-JUN-2007 22:28:55	Bright	36.000	127	27Bet Her	2.7810	4700.0	72	27796	No
274	GOM_NL__2PRFIN20070624_223146_000000342059_00187_27796_3120.N1	24-JUN-2007 22:31:46	Bright	34.000	133	40Zet Her	2.8070	6000.0	68	27796	No
275	GOM_NL__2PRFIN20070624_224012_000000372059_00187_27796_3121.N1	24-JUN-2007 22:40:12	Bright	37.000	119	14Eta Dra	2.7270	4700.0	74	27796	No
276	GOM_NL__2PRFIN20070624_224359_000000362059_00187_27796_3122.N1	24-JUN-2007 22:43:59	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	27796	No
277	GOM_NL__2PRFIN20070624_224826_000000342059_00187_27796_3123.N1	24-JUN-2007 22:48:26	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	27796	No
278	GOM_NL__2PRFIN20070624_225845_000000352059_00187_27796_3124.N1	24-JUN-2007 22:58:45	Bright	35.000	160	23Gam Per	2.9300	4700.0	70	27796	No

279	GOM_NL__2PRFIN20070624_230229_000000362059_00187_27796_3125.N1	24-JUN-2007 23:02:29	Bright	36.000	79	26Bet Per	2.3100	13100.	72	27796	No
280	GOM_NL__2PRFIN20070624_231322_000000472059_00187_27796_3126.N1	24-JUN-2007 23:13:22	Dark	47.000	94	92Alp Cet	2.5260	3100.0	94	27796	No
281	GOM_NL__2PRFIN20070624_233129_000000512059_00188_27797_3127.N1	24-JUN-2007 23:31:29	Dark	51.000	9	Alp Eri	0.45300	24000.	102	27797	No
282	GOM_NL__2PRFIN20070624_233843_000000412059_00188_27797_3139.N1	24-JUN-2007 23:38:43	Straylight	41.000	148	Alp Tuc	2.8780	4100.0	82	27797	No
283	GOM_NL__2PRFIN20070624_234313_000000402059_00188_27797_3140.N1	24-JUN-2007 23:43:13	Straylight	39.500	45	Alp Pav	1.9400	26000.	79	27797	No
284	GOM_NL__2PRFIN20070624_234733_000000422059_00188_27797_3141.N1	24-JUN-2007 23:47:33	Straylight	41.500	141	Bet Ara	2.8400	4600.0	83	27797	No
285	GOM_NL__2PRFIN20070624_234859_000000402059_00188_27797_3142.N1	24-JUN-2007 23:48:59	Straylight	39.500	147	Alp Ara	2.8770	26000.	79	27797	No
286	GOM_NL__2PRFIN20070624_235045_000000432059_00188_27797_3143.N1	24-JUN-2007 23:50:45	Twilight_stray	42.500	40	The Sco	1.8590	7100.0	85	27797	No
287	GOM_NL__2PRFIN20070624_235226_000000422059_00188_27797_3144.N1	24-JUN-2007 23:52:26	Twilight_stray	41.500	25	35Lam Sco	1.6200	28000.	83	27797	No
288	GOM_NL__2PRFIN20070624_235352_000000432059_00188_27797_3145.N1	24-JUN-2007 23:53:52	Bright	42.500	167	10Gam2Sgr	2.9840	4500.0	85	27797	No
289	GOM_NL__2PRFIN20070624_235626_000000232059_00188_27797_3146.N1	24-JUN-2007 23:56:26	Dark	22.500	16	21Alp Sco	1.0200	3000.0	45	27797	Yes
290	GOM_NL__2PRFIN20070624_235845_000000372059_00188_27797_3147.N1	24-JUN-2007 23:58:45	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	27797	No

3. Quality information per product

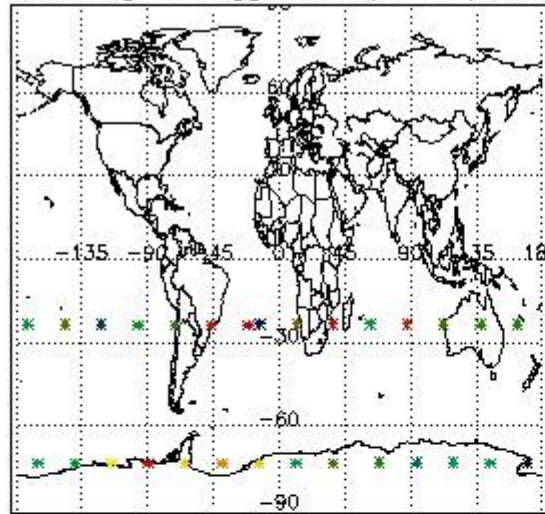
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

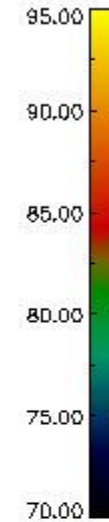
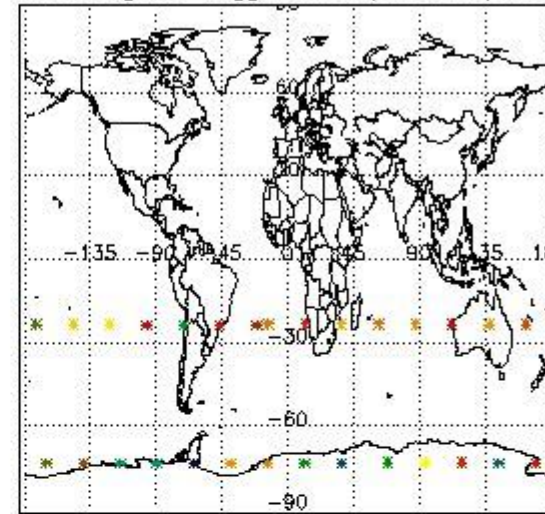


3.2 Plot quality information per product (world map)

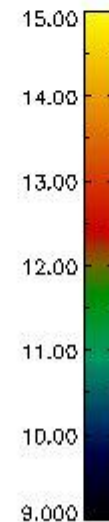
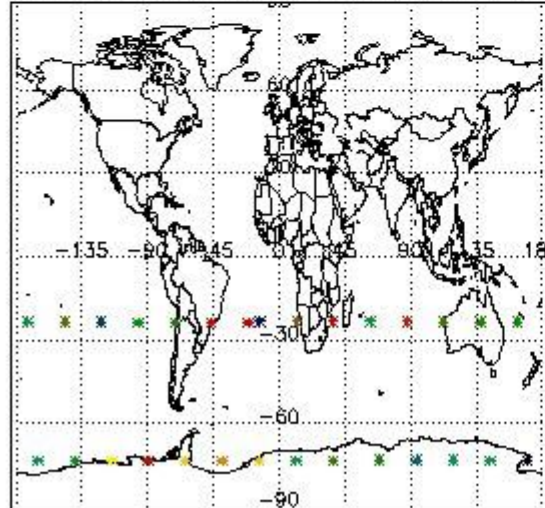
Percentage of flagged data per O3 profile



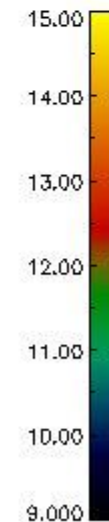
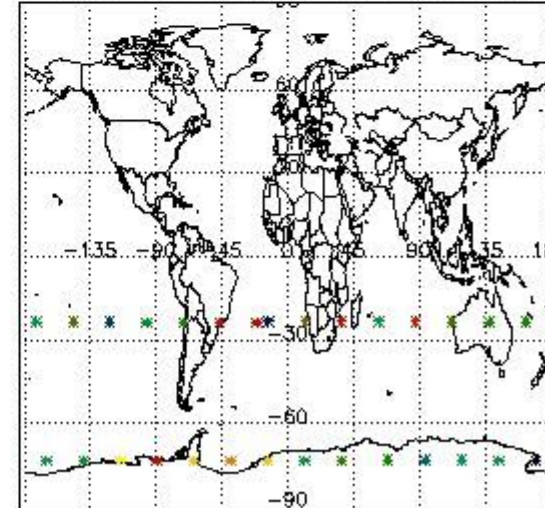
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

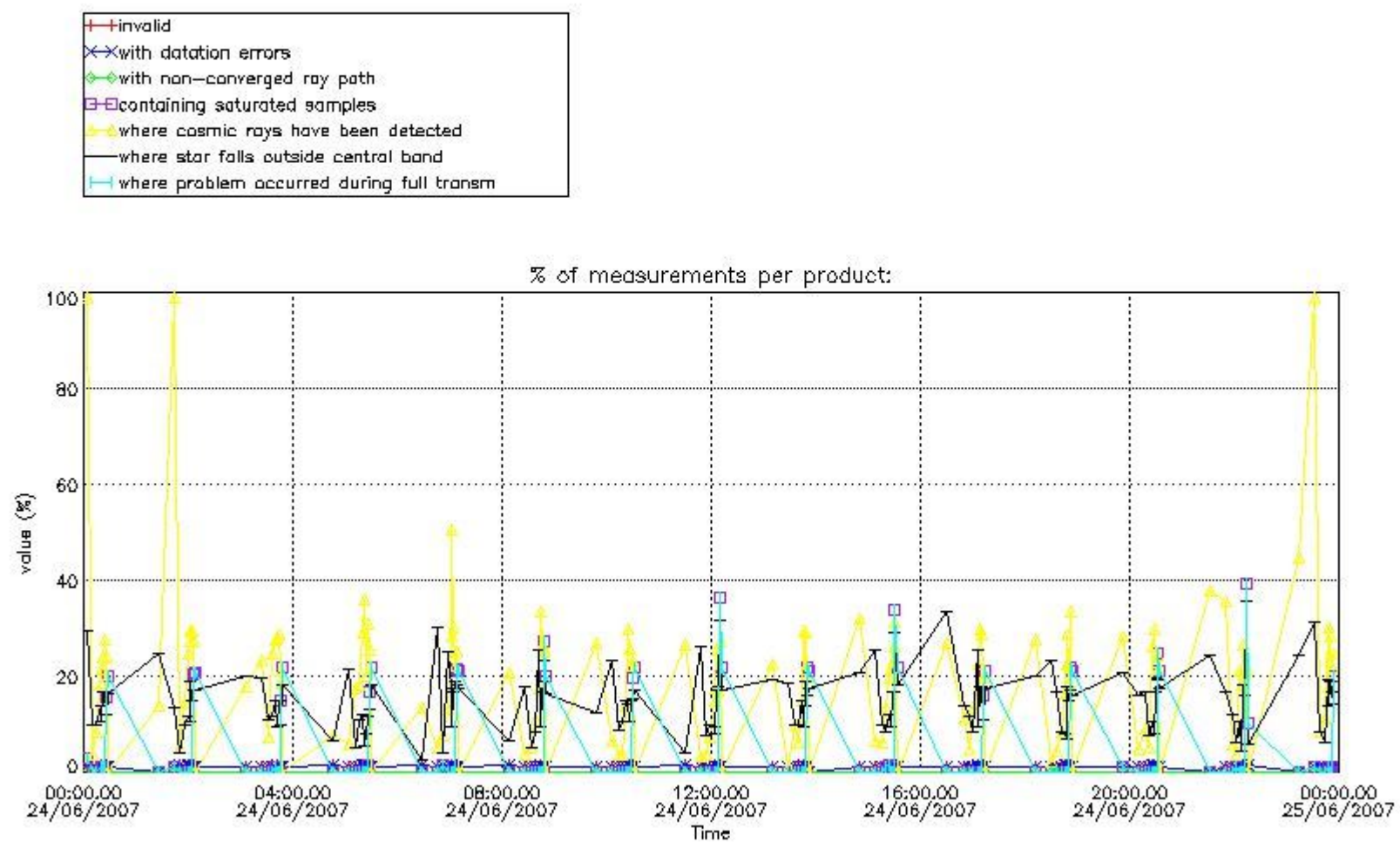


4. Level 1 quality information per product

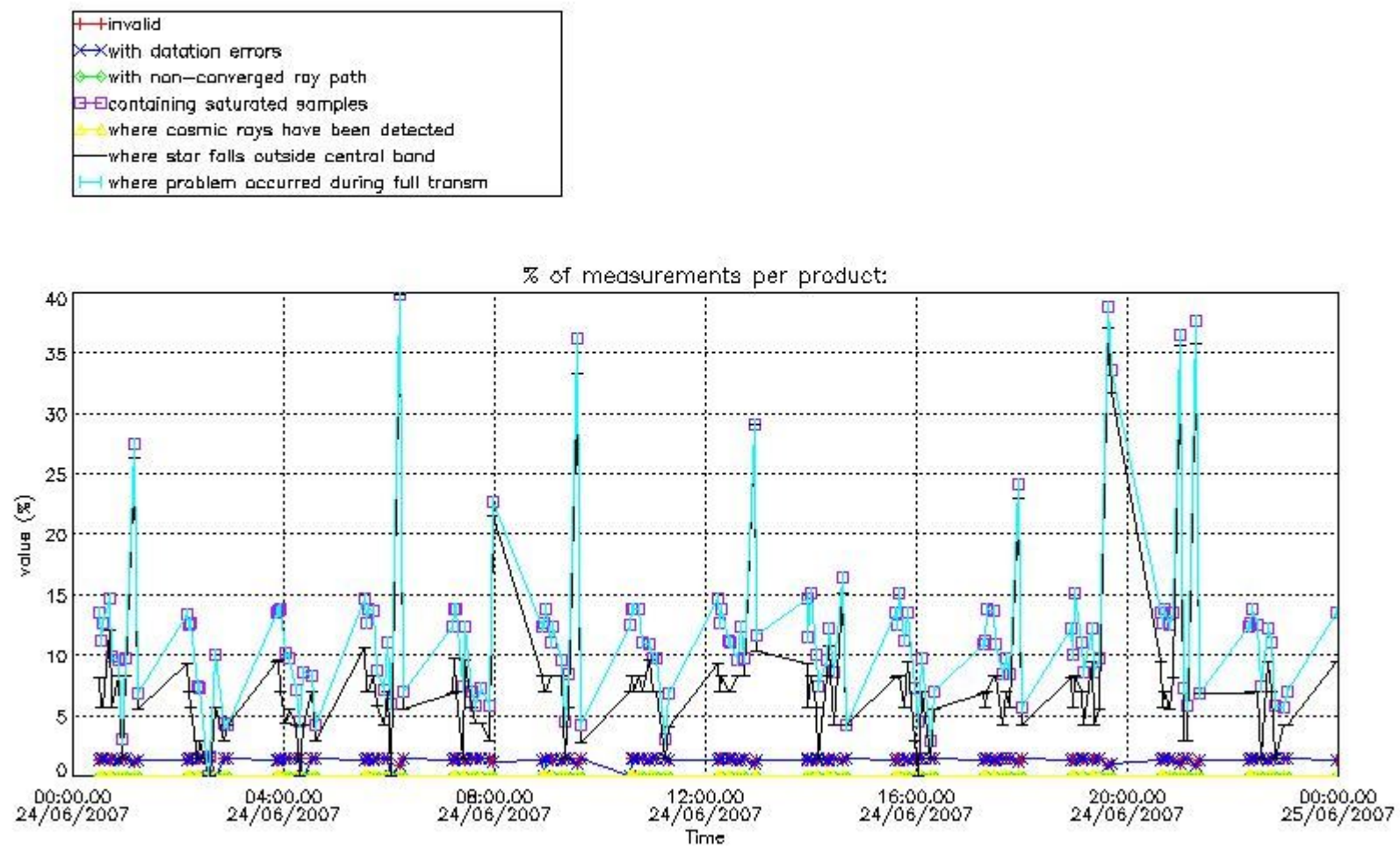
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

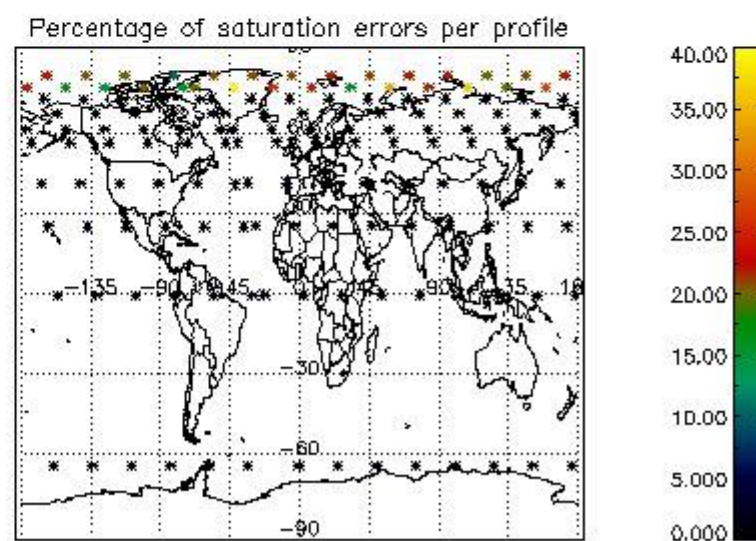
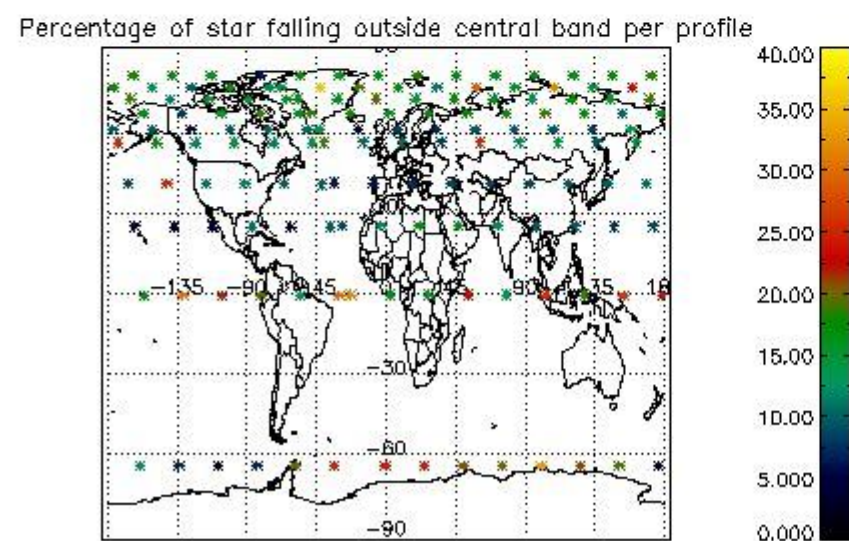
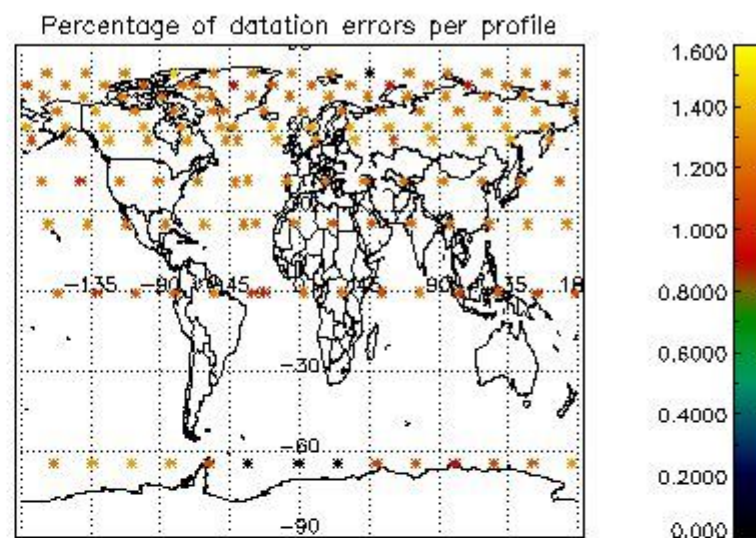
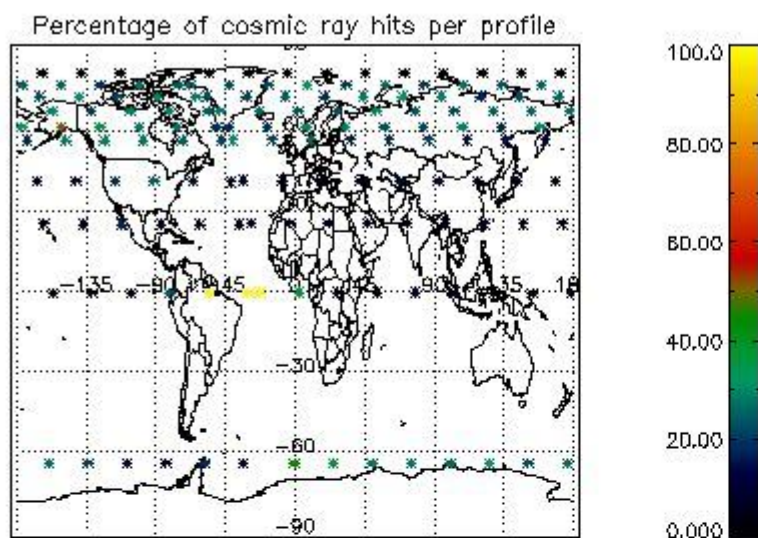


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

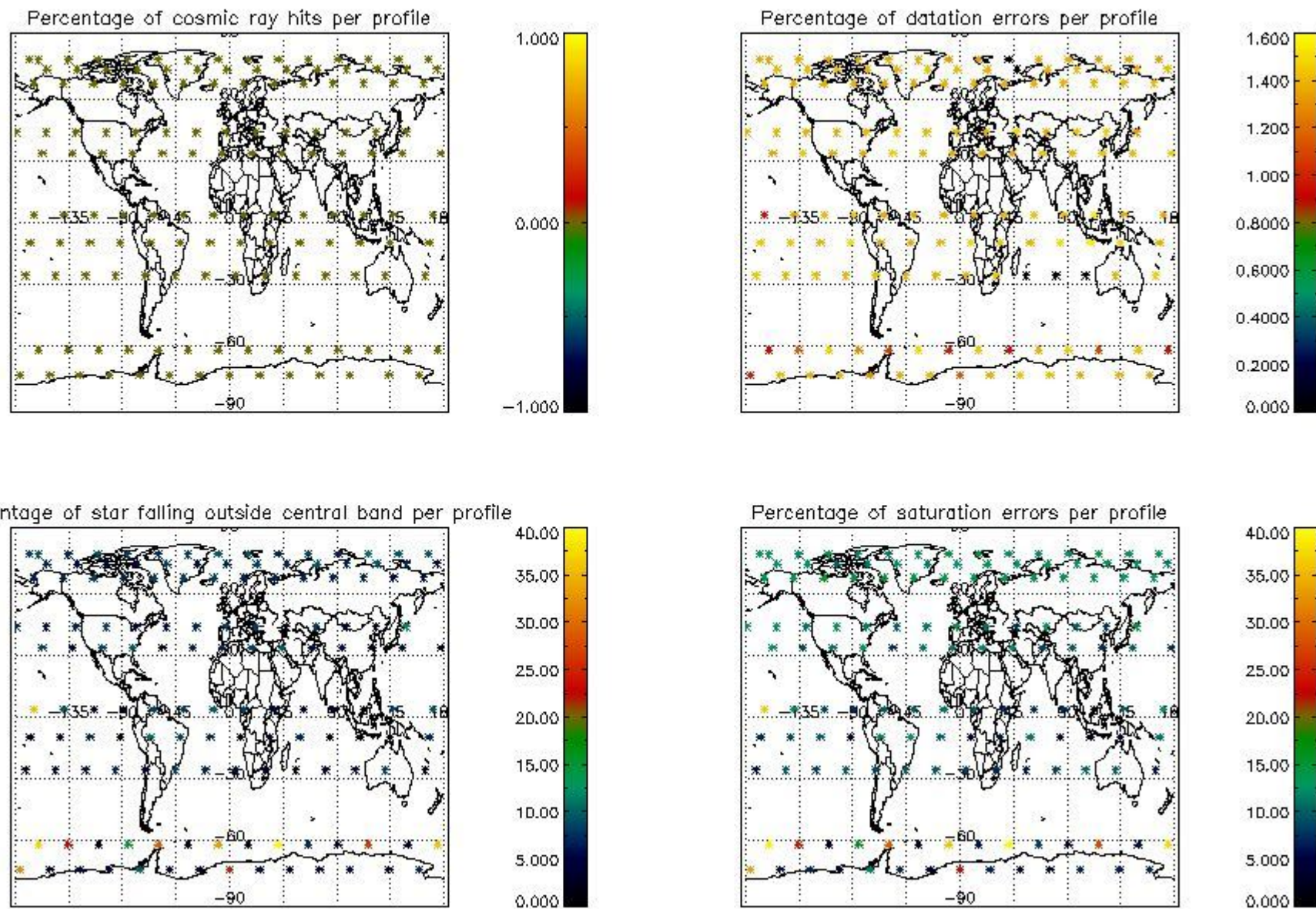


4.2 Plot quality information per product coming from level 1b processing (world map)

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

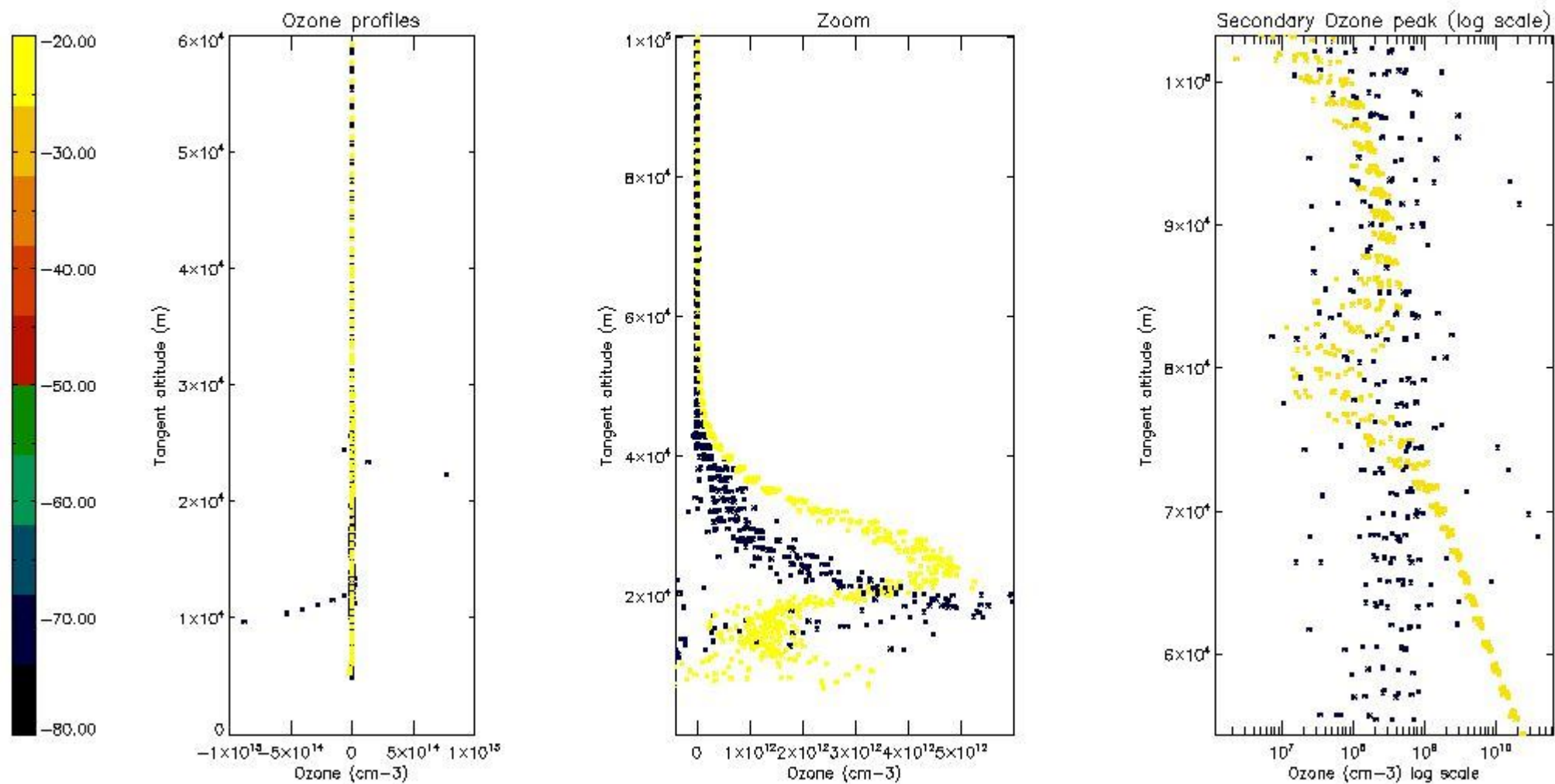
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	12
STD < 20	5

STD < 10	4
STD < 5	3

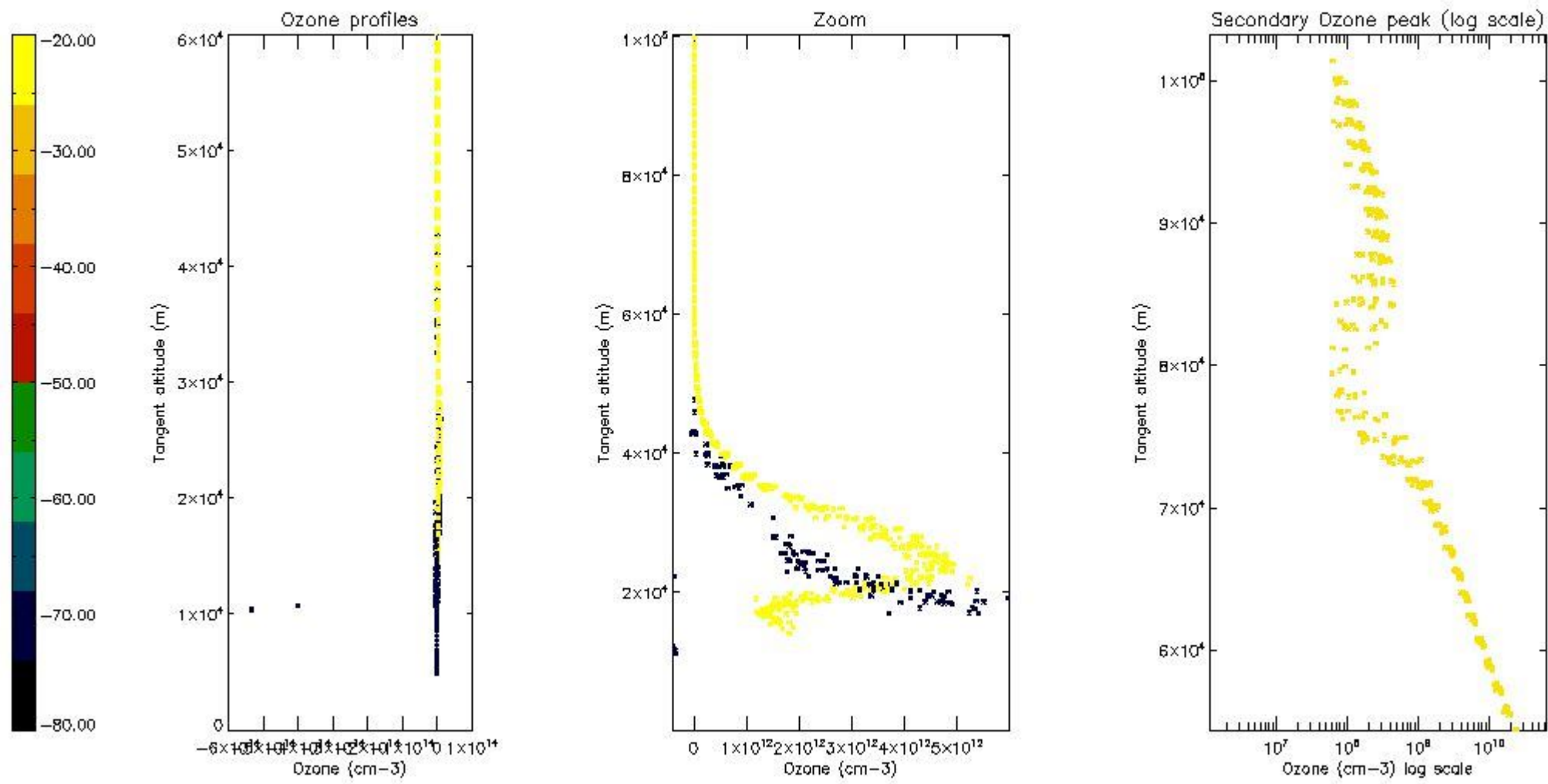
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



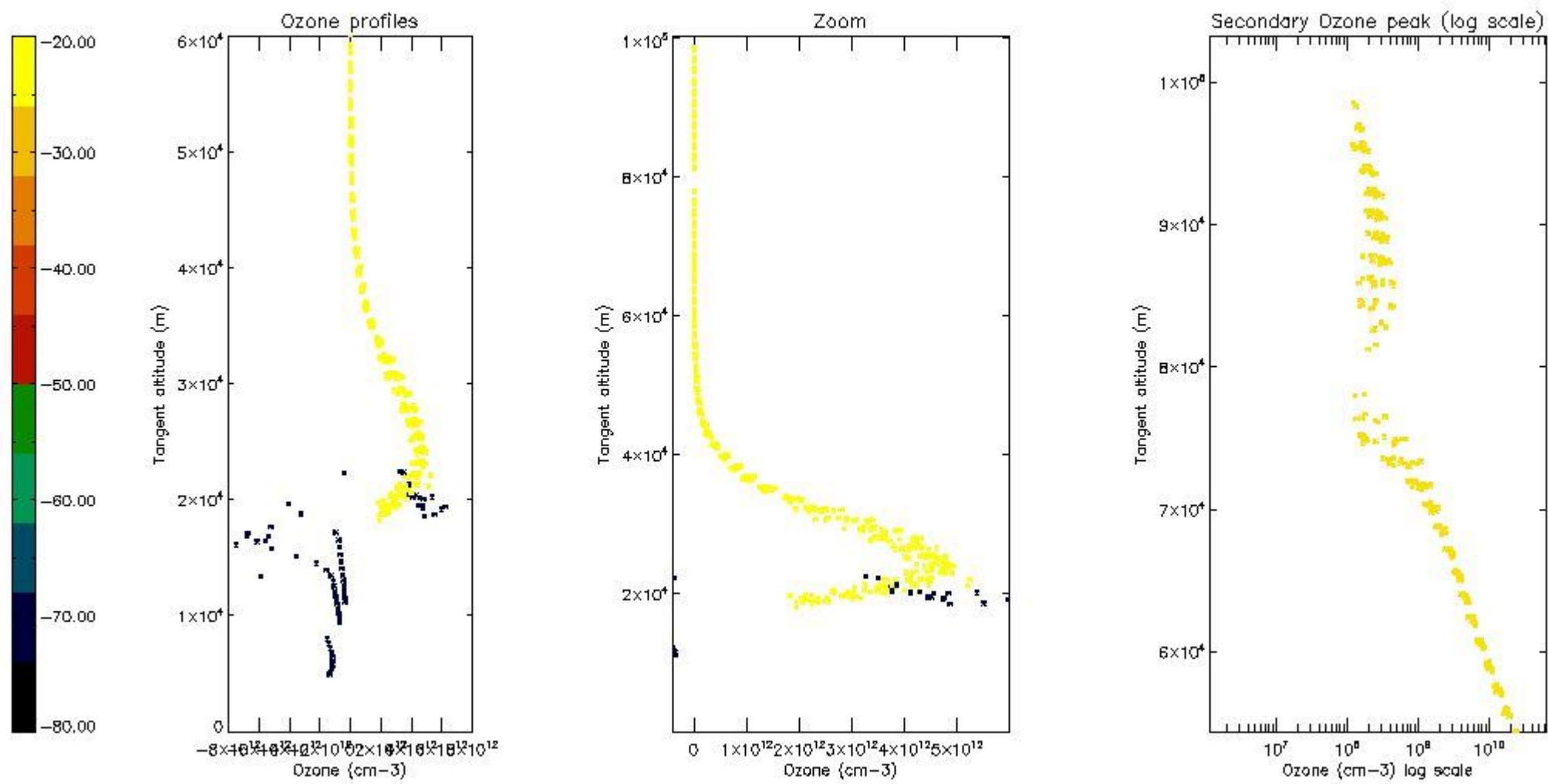
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



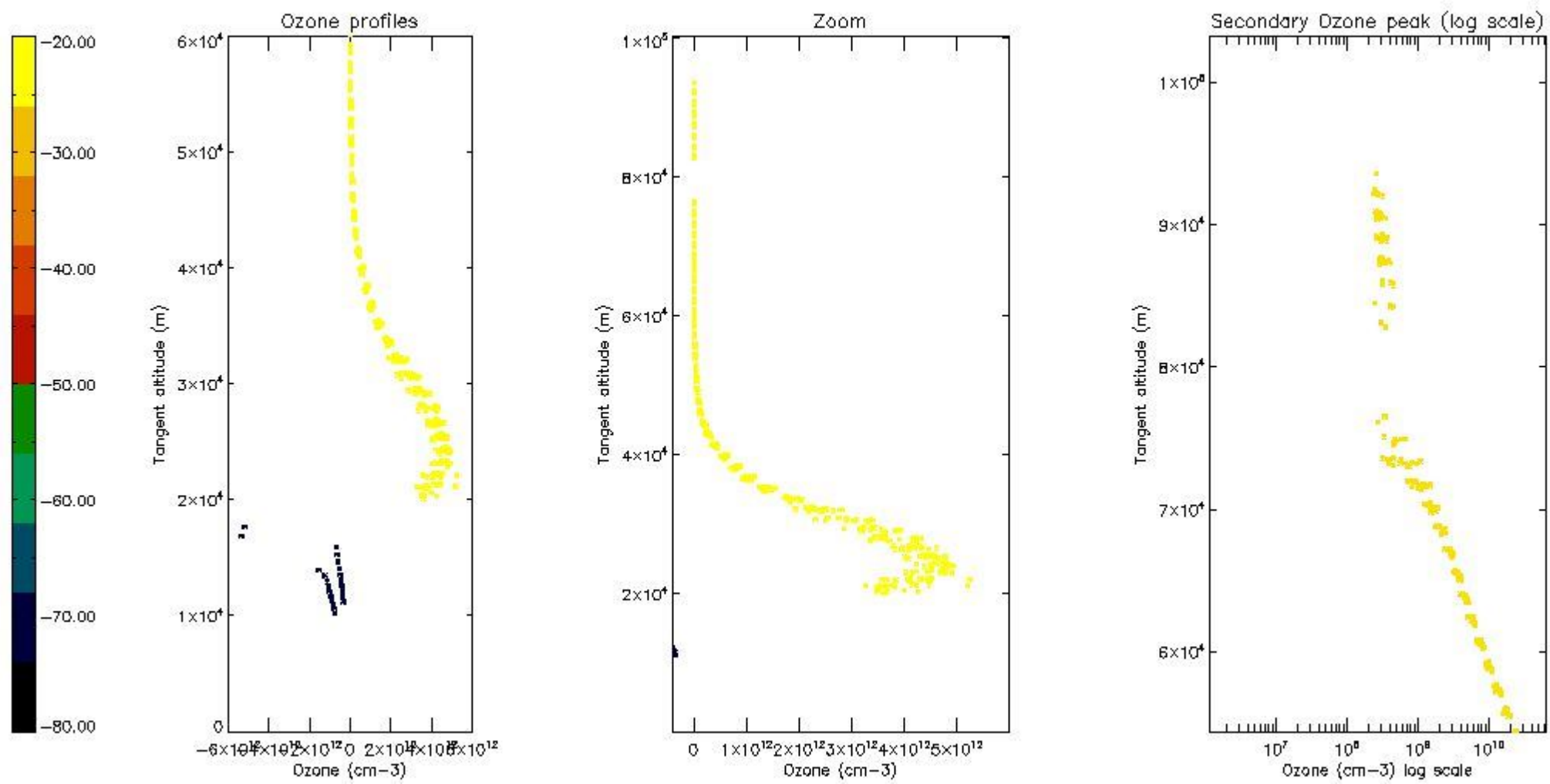
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



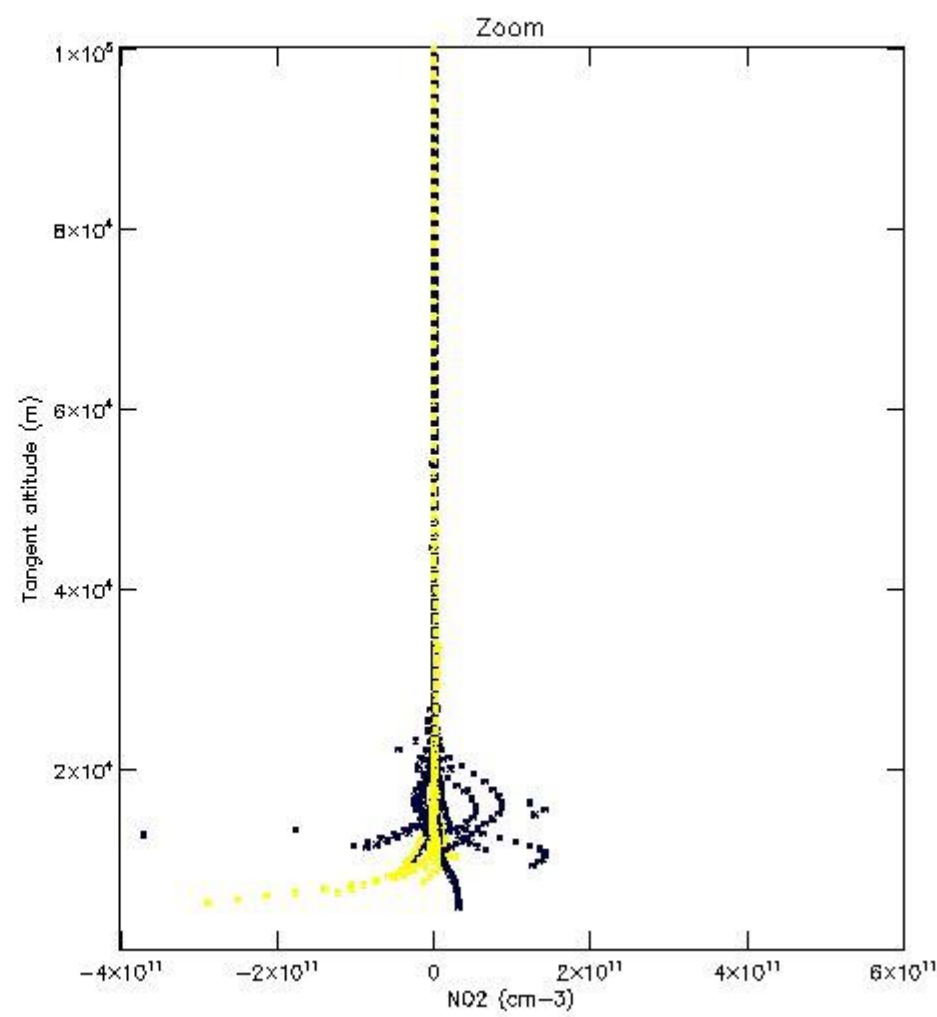
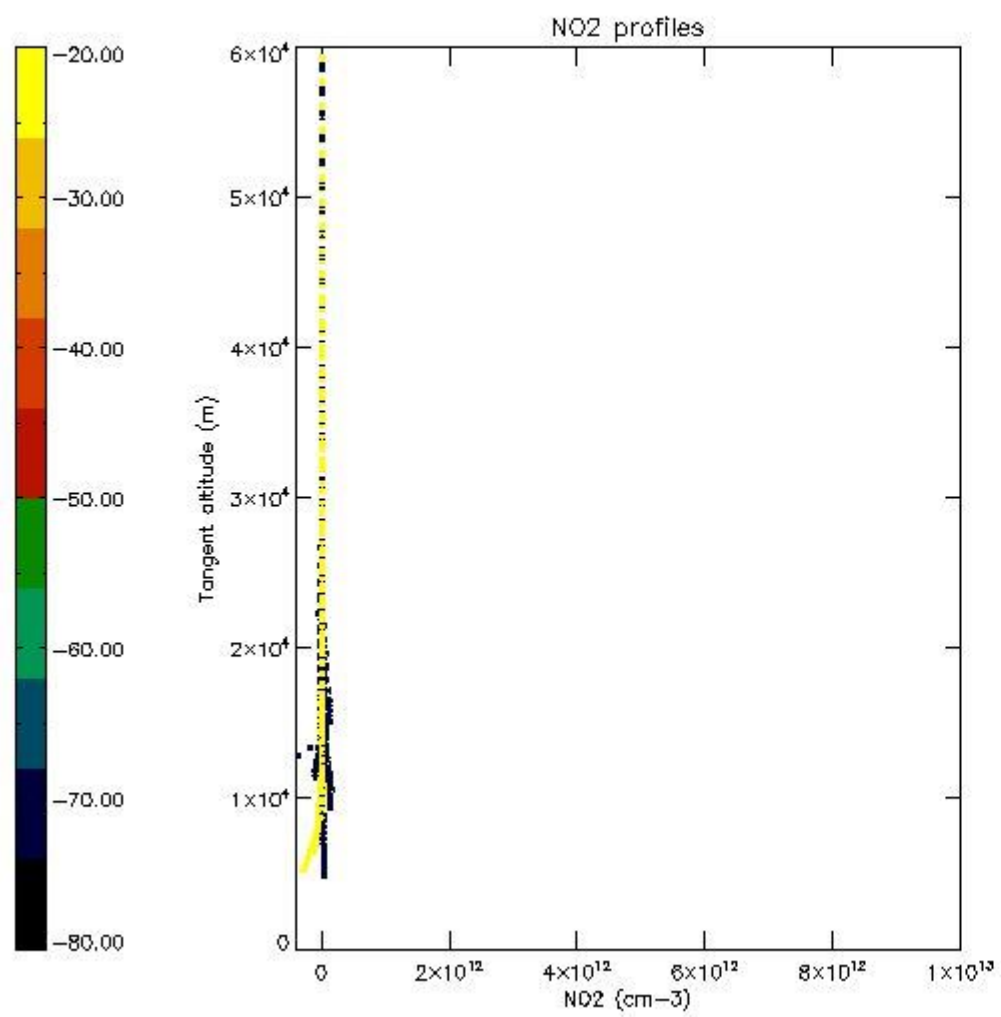
5.5 Plot ozone profiles where $STD < 5\%$ (dark without errors)

The colorbar represents the latitude.



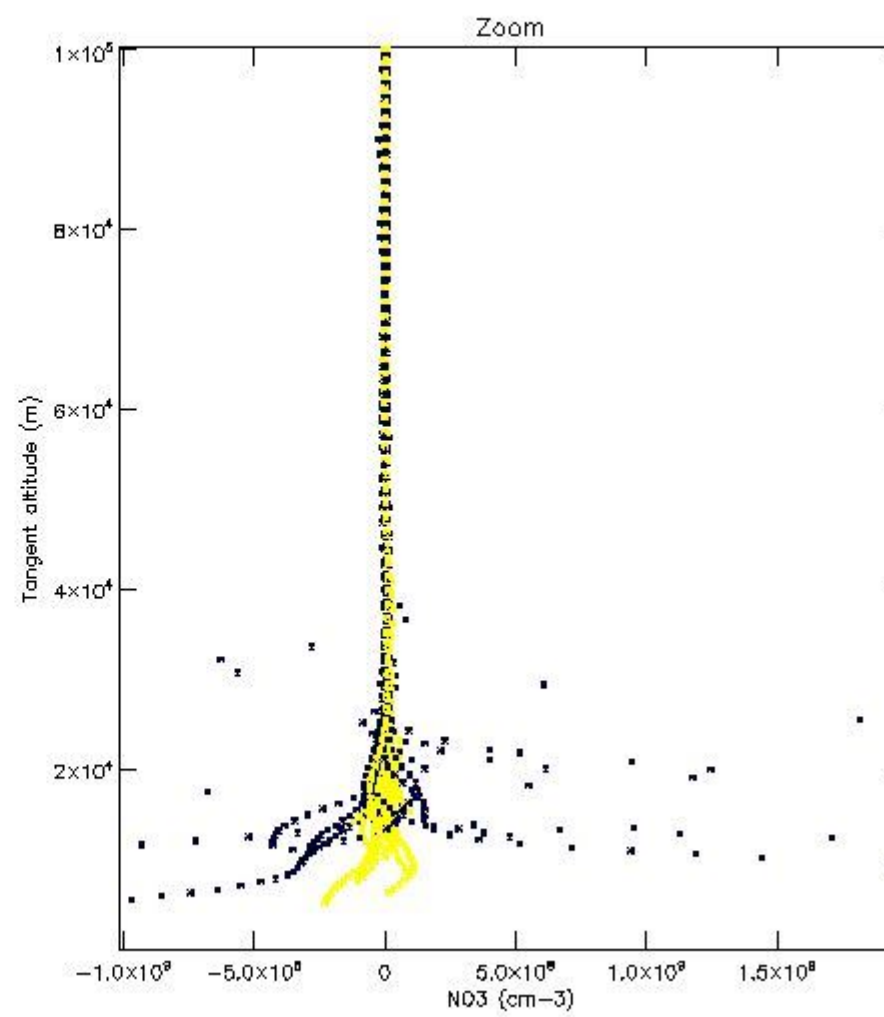
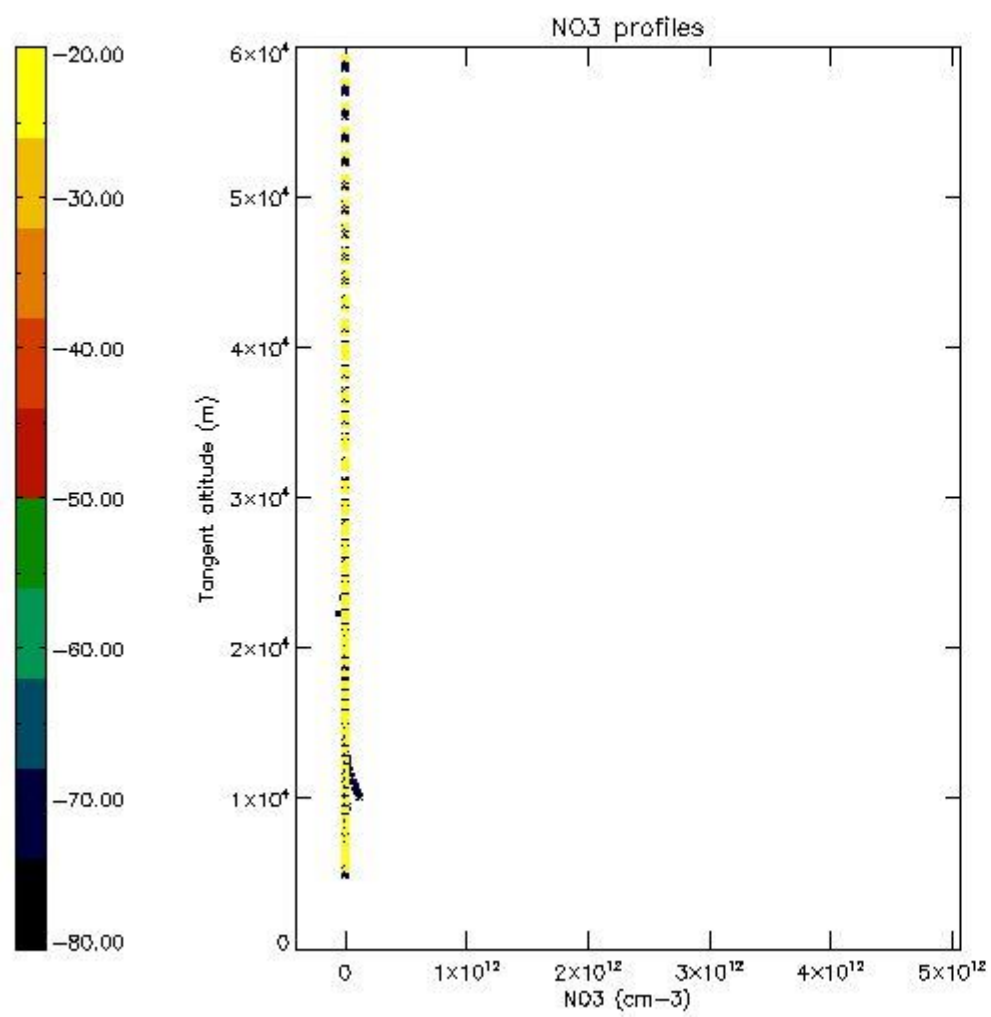
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



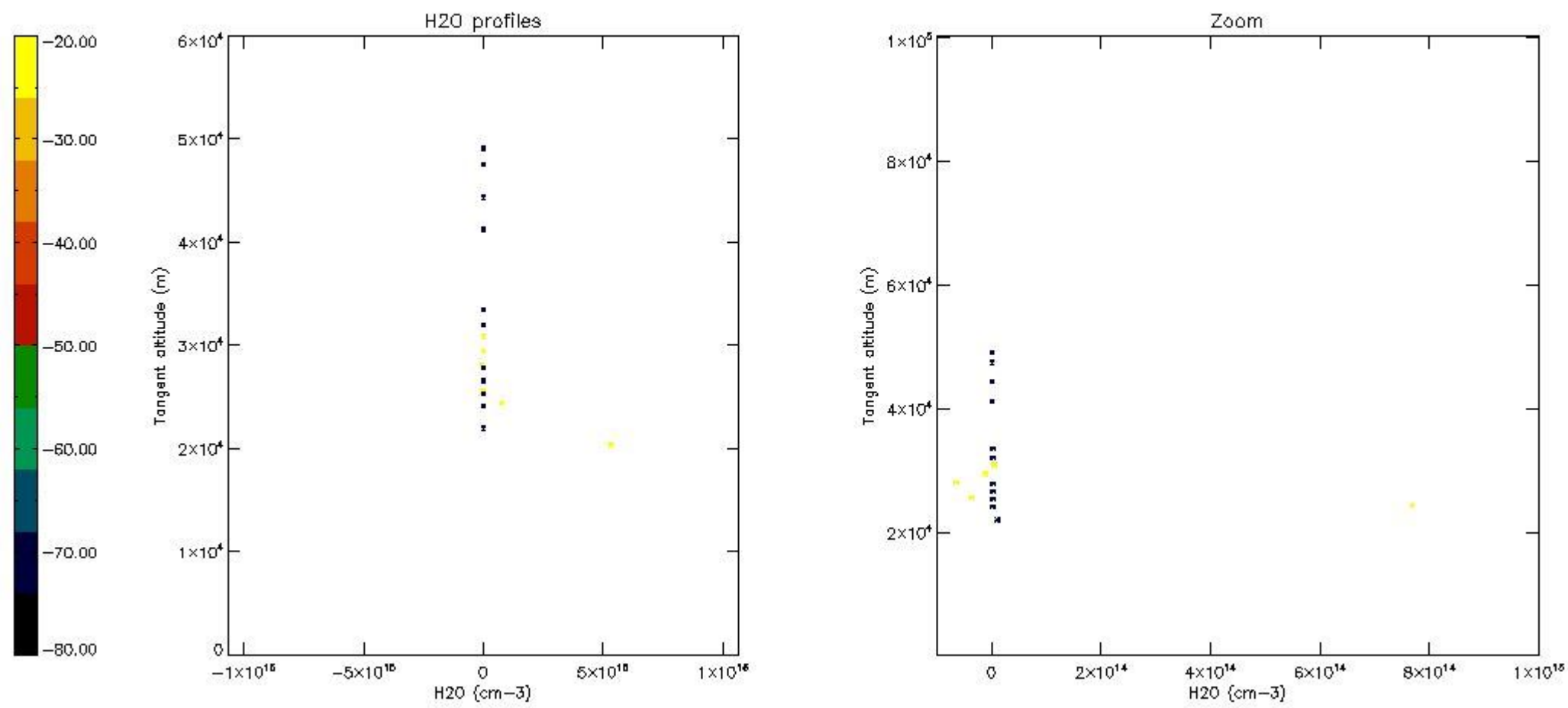
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

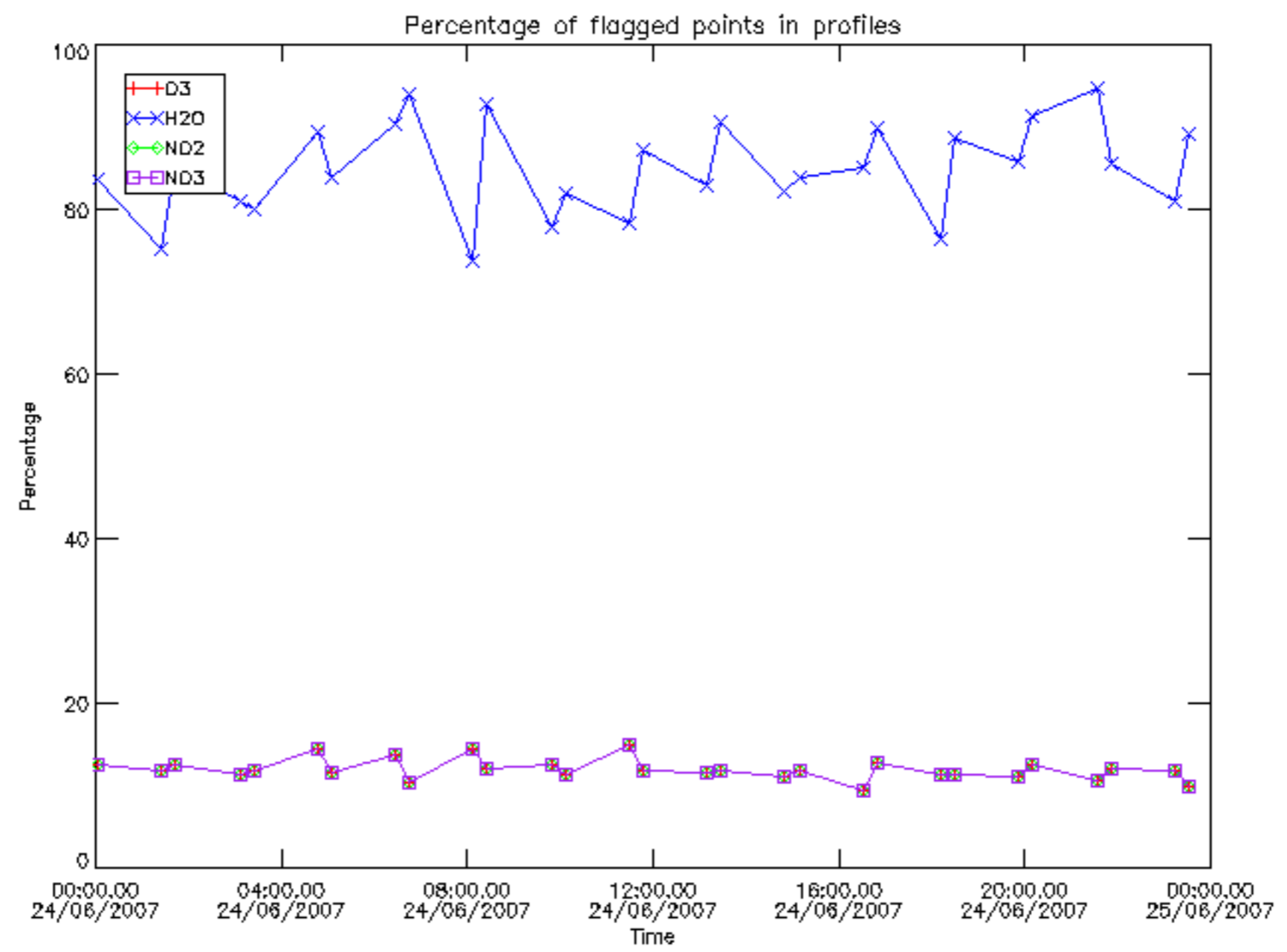
The colorbar represents the latitude.



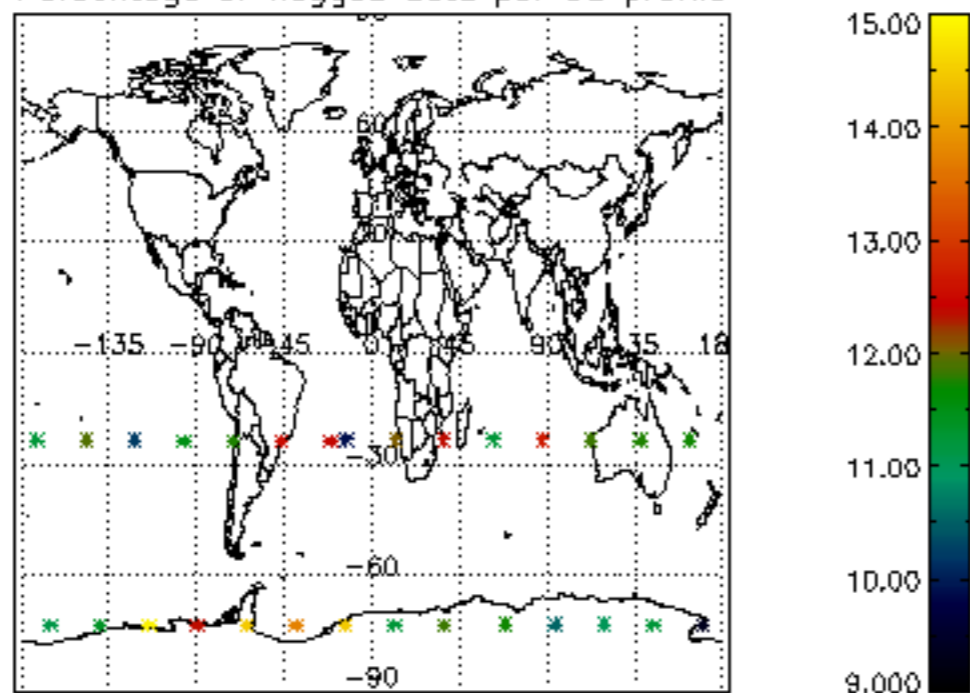
6. Auxiliary Data Files used for the production reported in section 2

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.

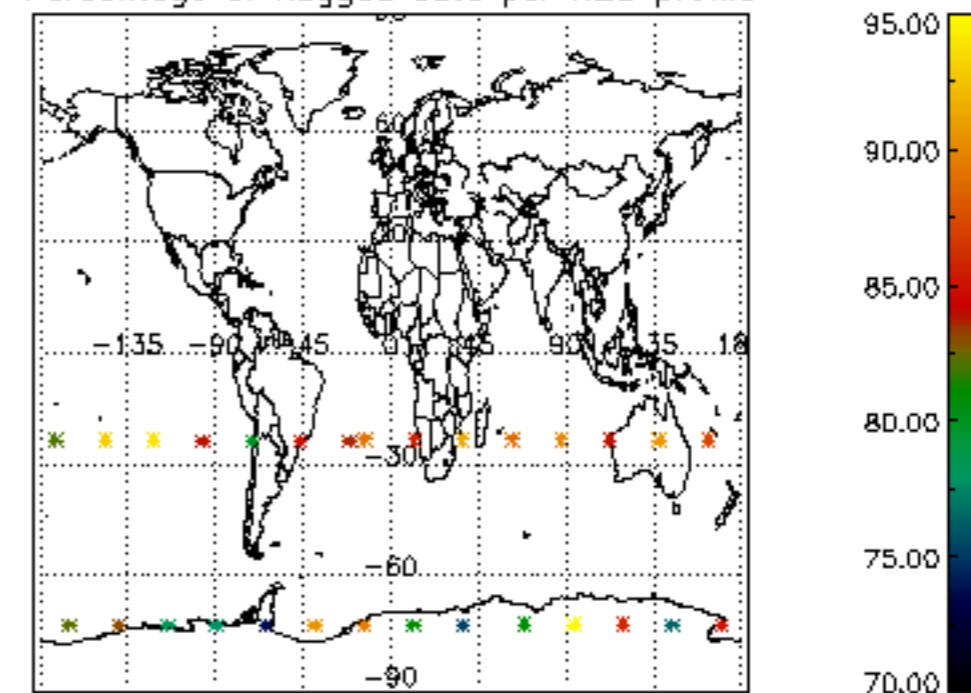
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	24-JUN-2007 00:03:00
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	24-JUN-2007 00:03:00
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	24-JUN-2007 00:03:00



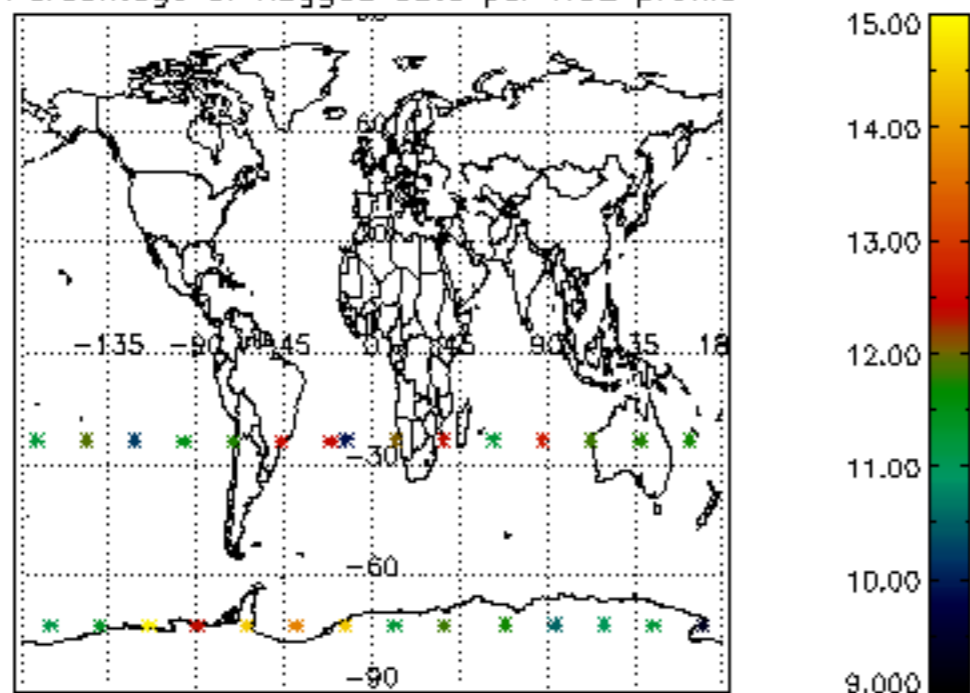
Percentage of flagged data per D3 profile



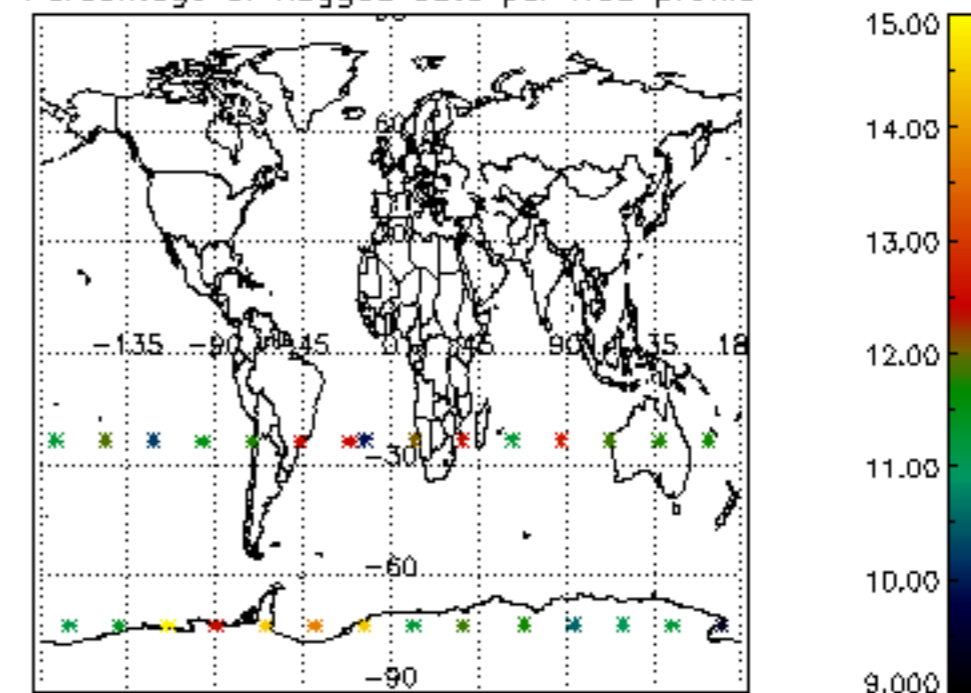
Percentage of flagged data per H2O profile

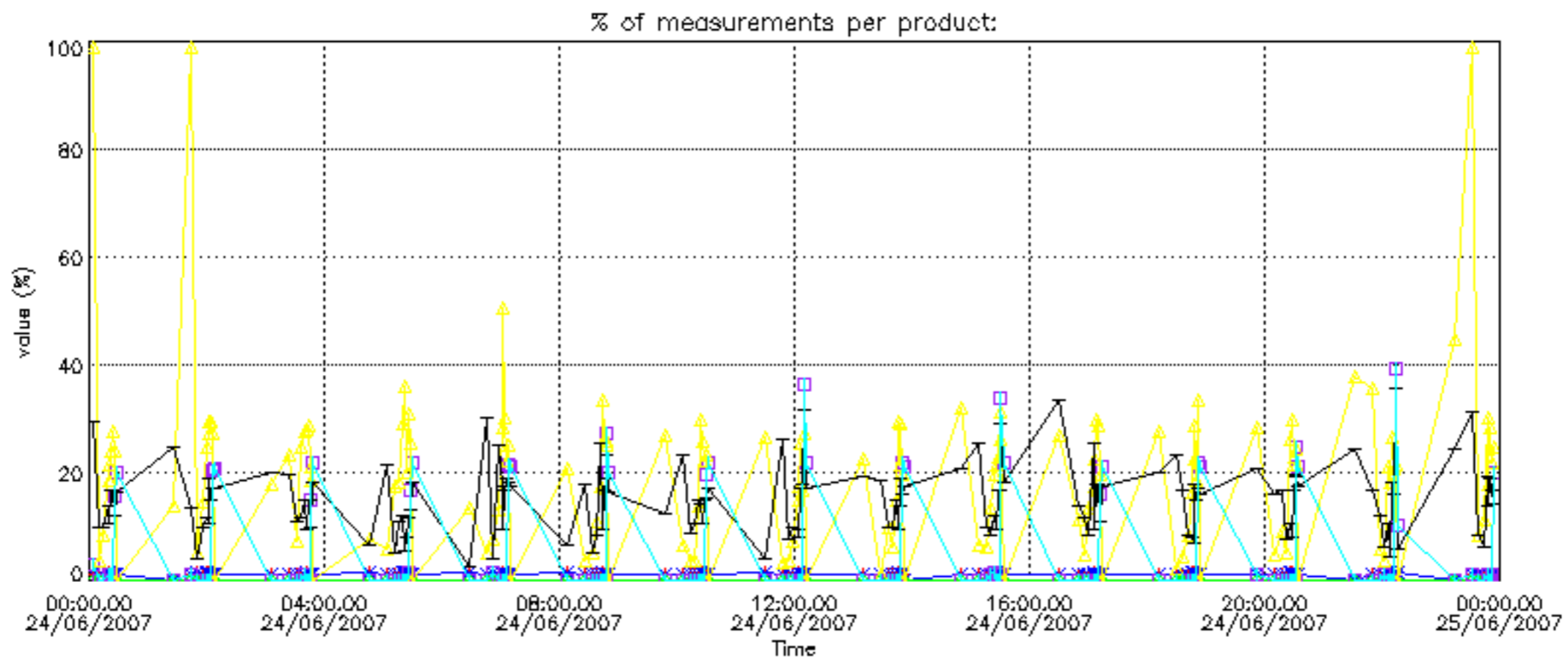
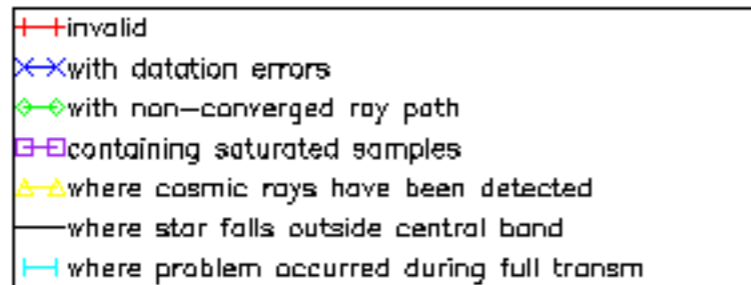


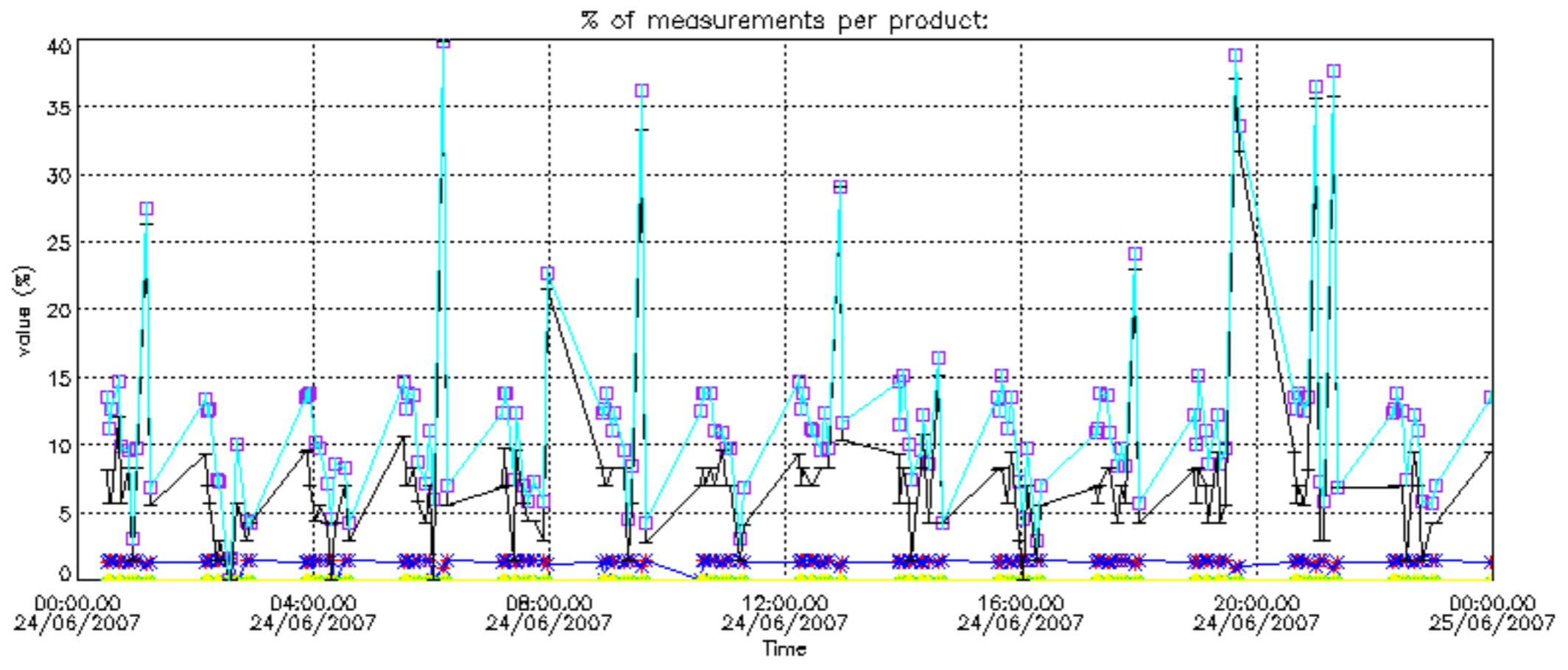
Percentage of flagged data per NO2 profile



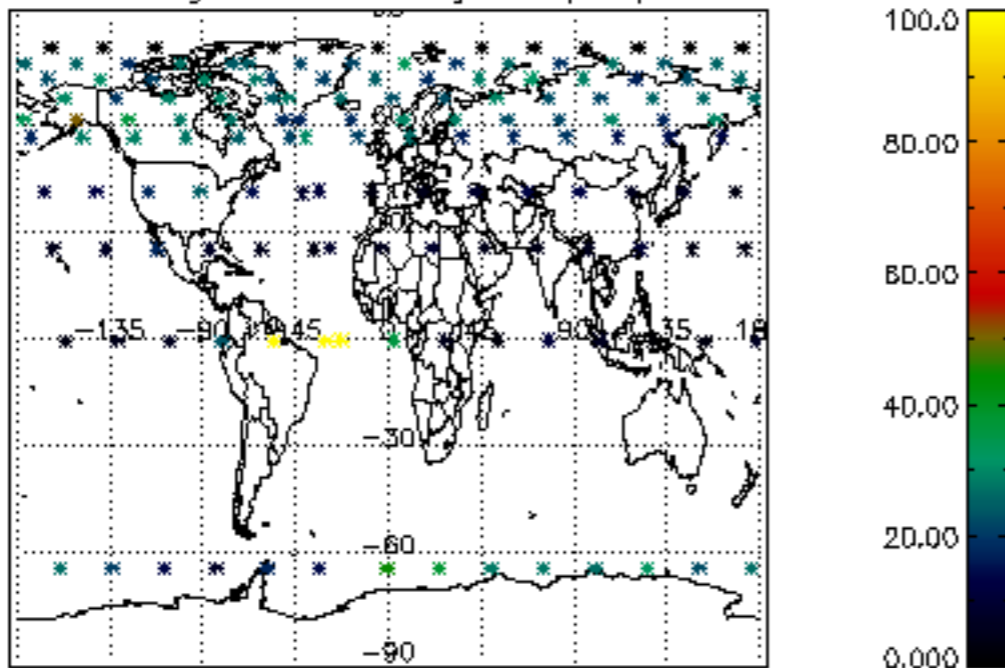
Percentage of flagged data per NO3 profile



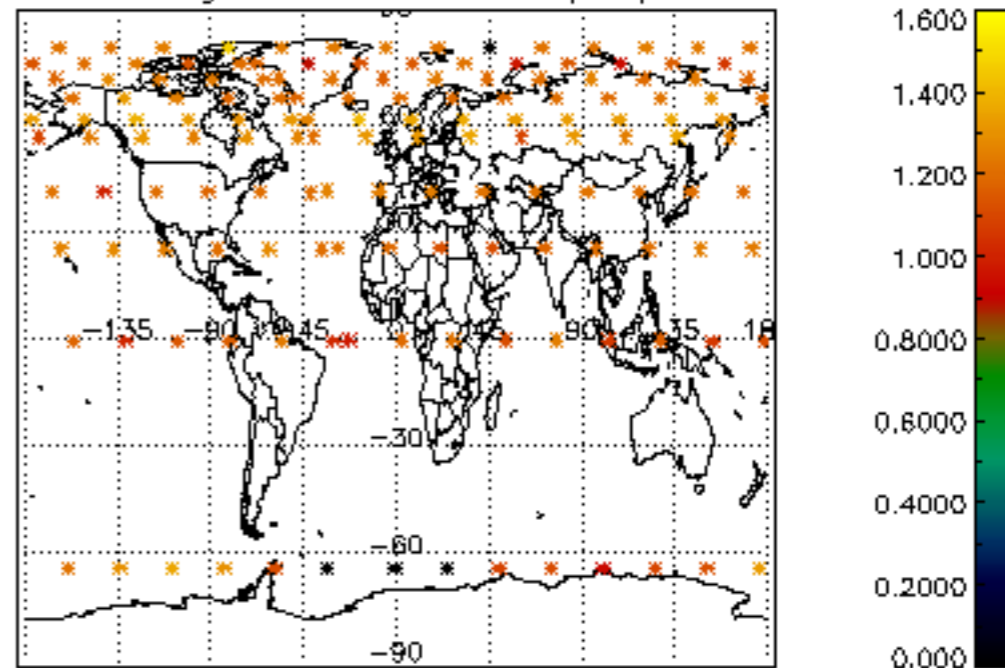




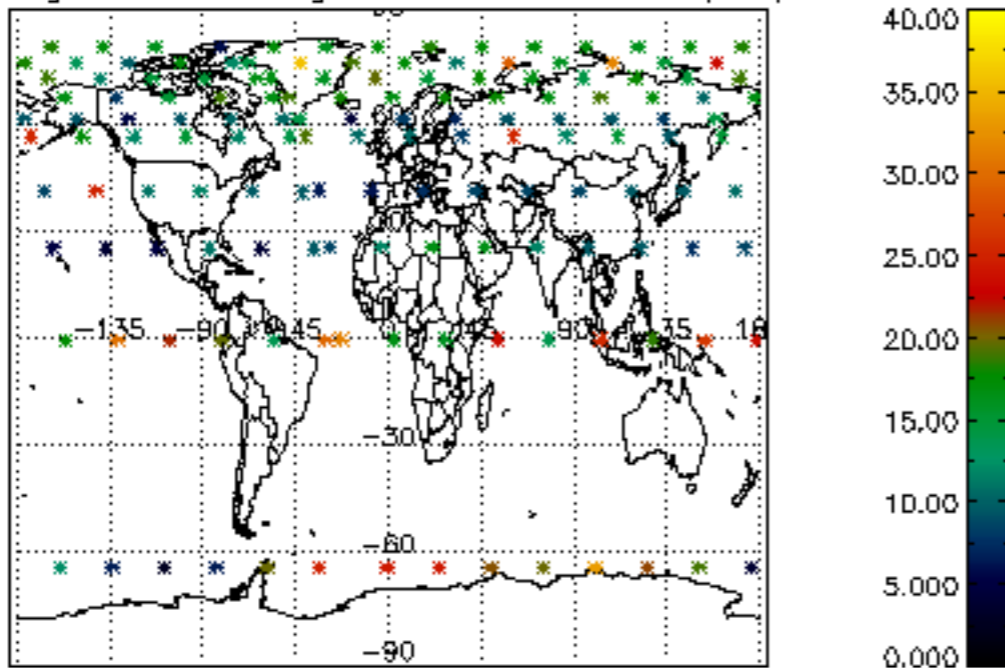
Percentage of cosmic ray hits per profile



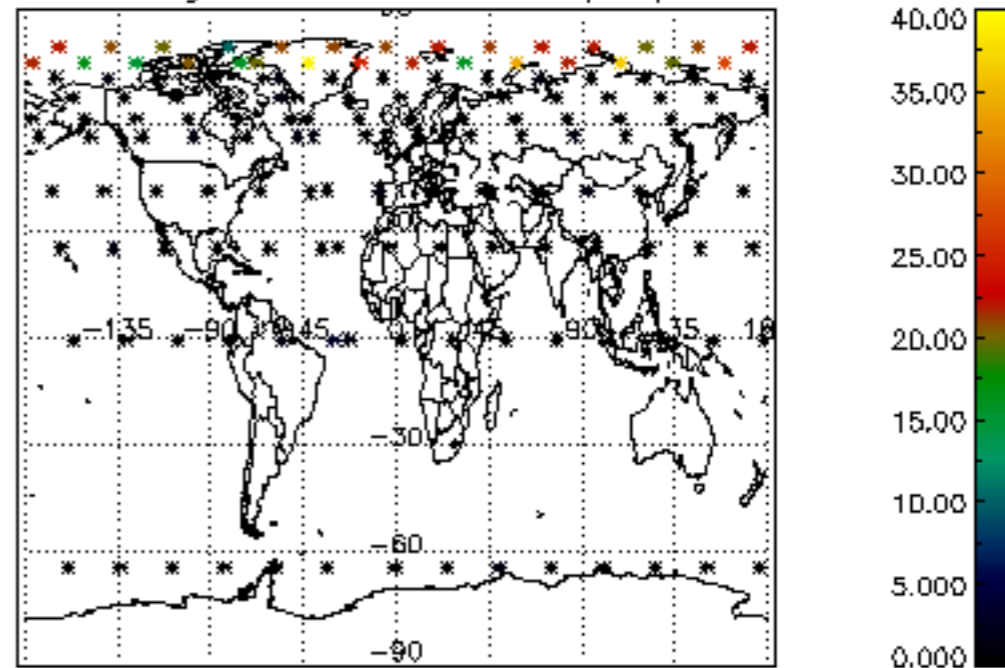
Percentage of datation errors per profile



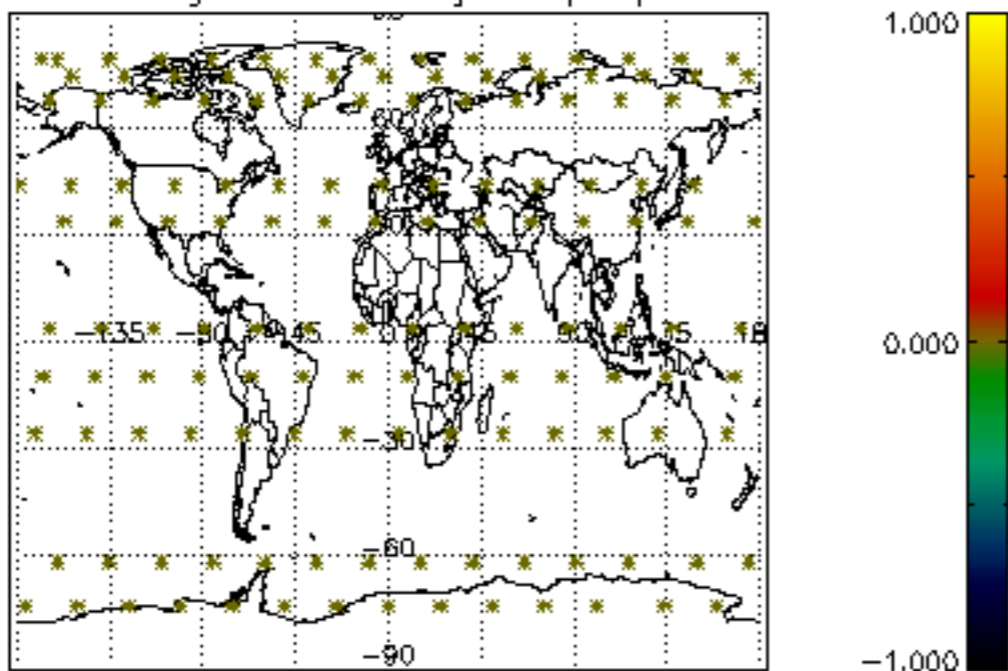
Percentage of star falling outside central band per profile



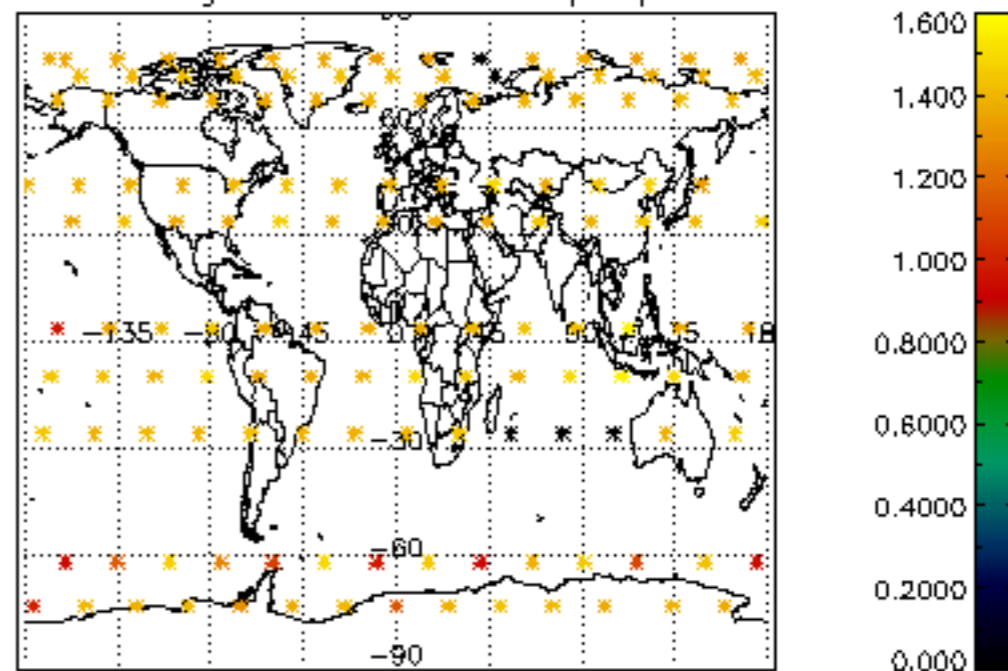
Percentage of saturation errors per profile



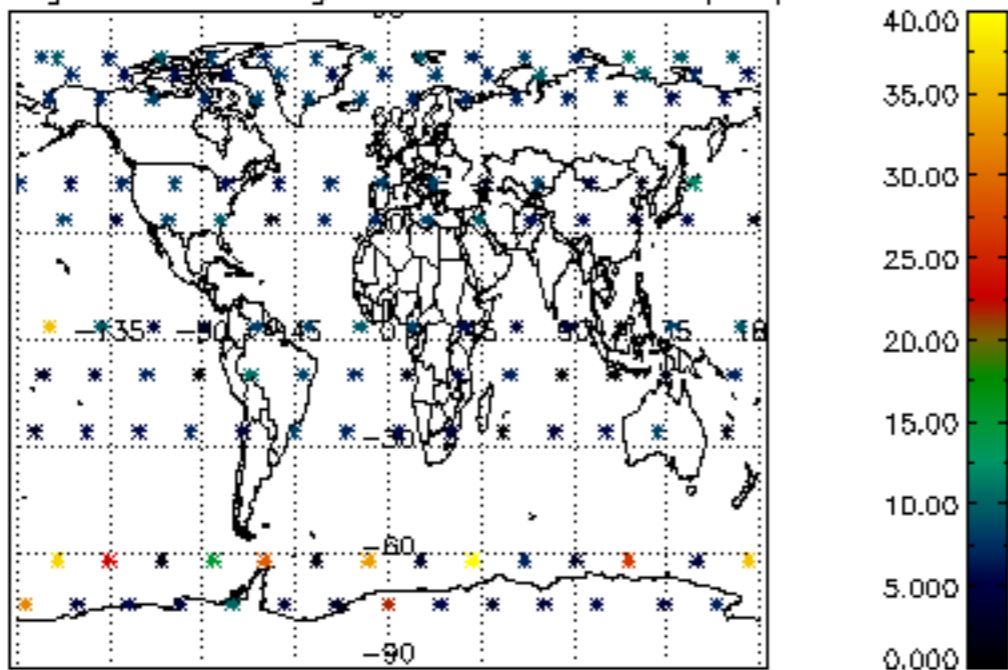
Percentage of cosmic ray hits per profile



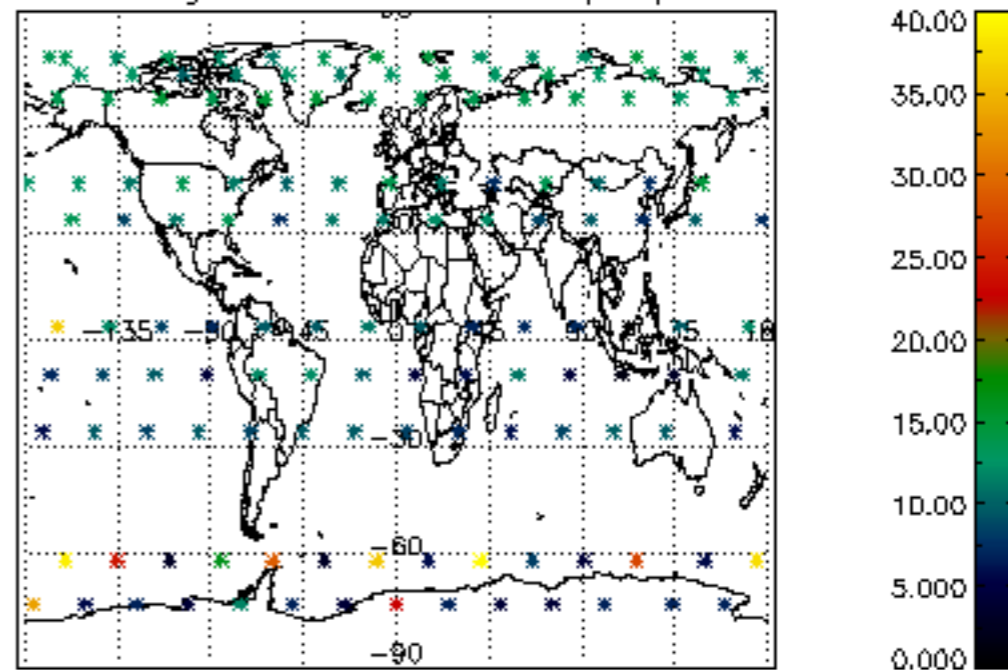
Percentage of datation errors per profile

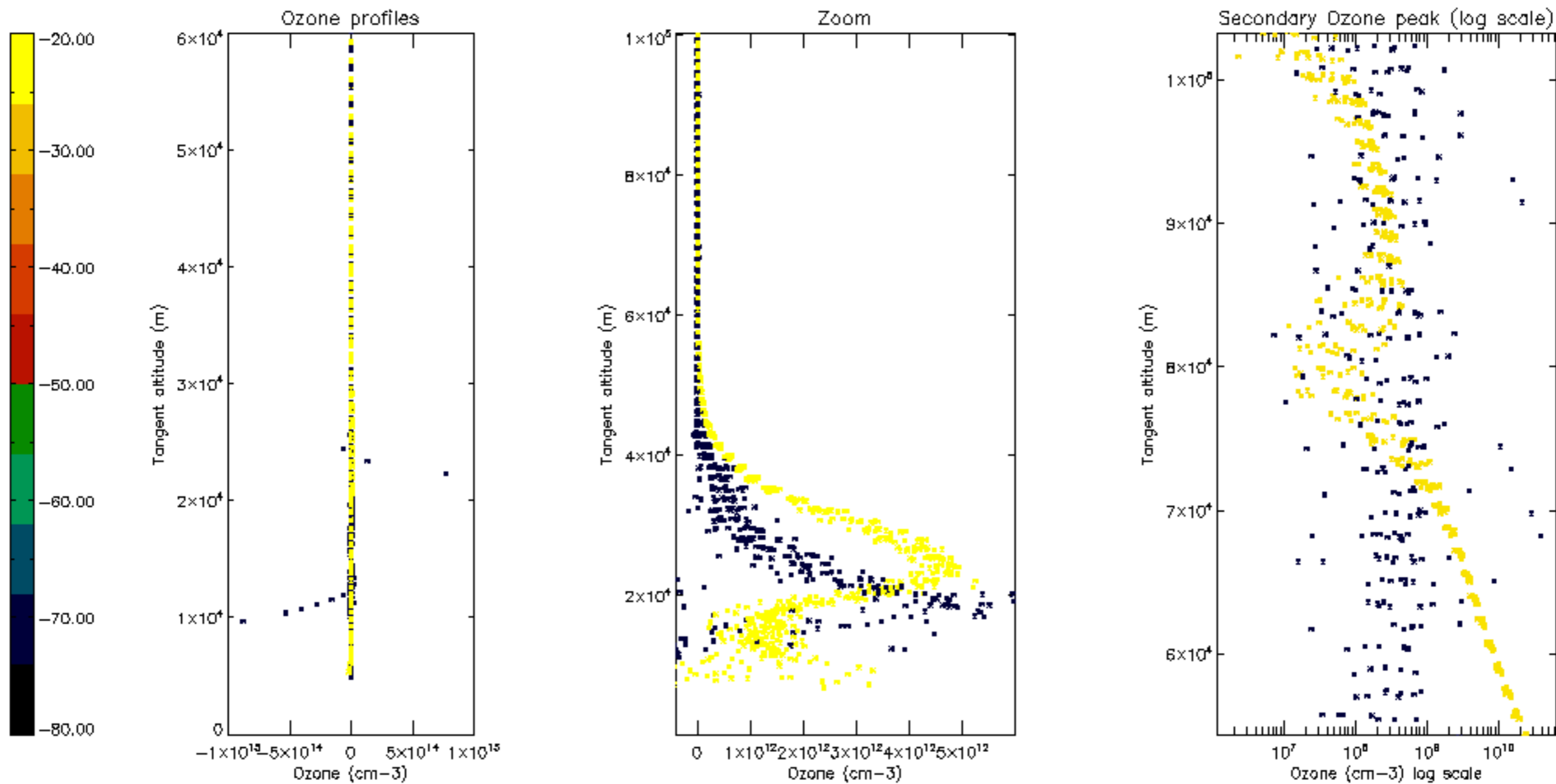


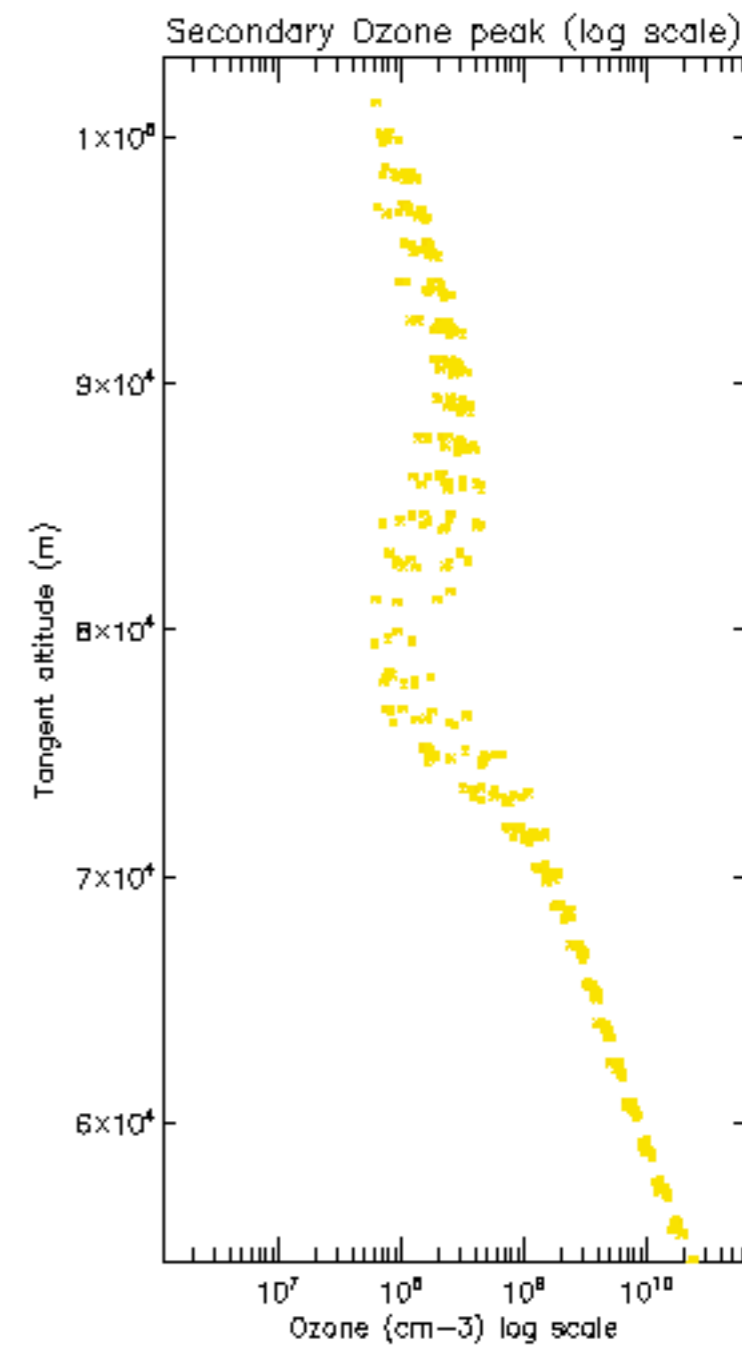
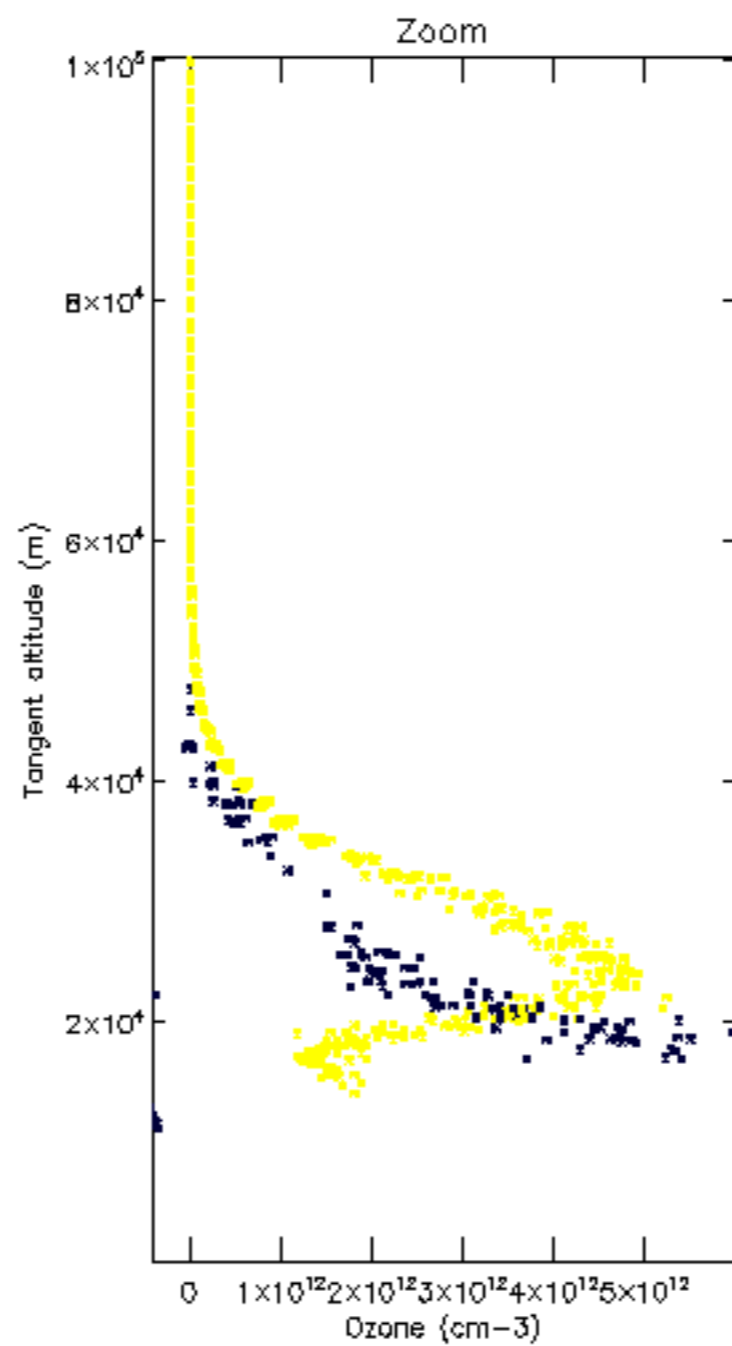
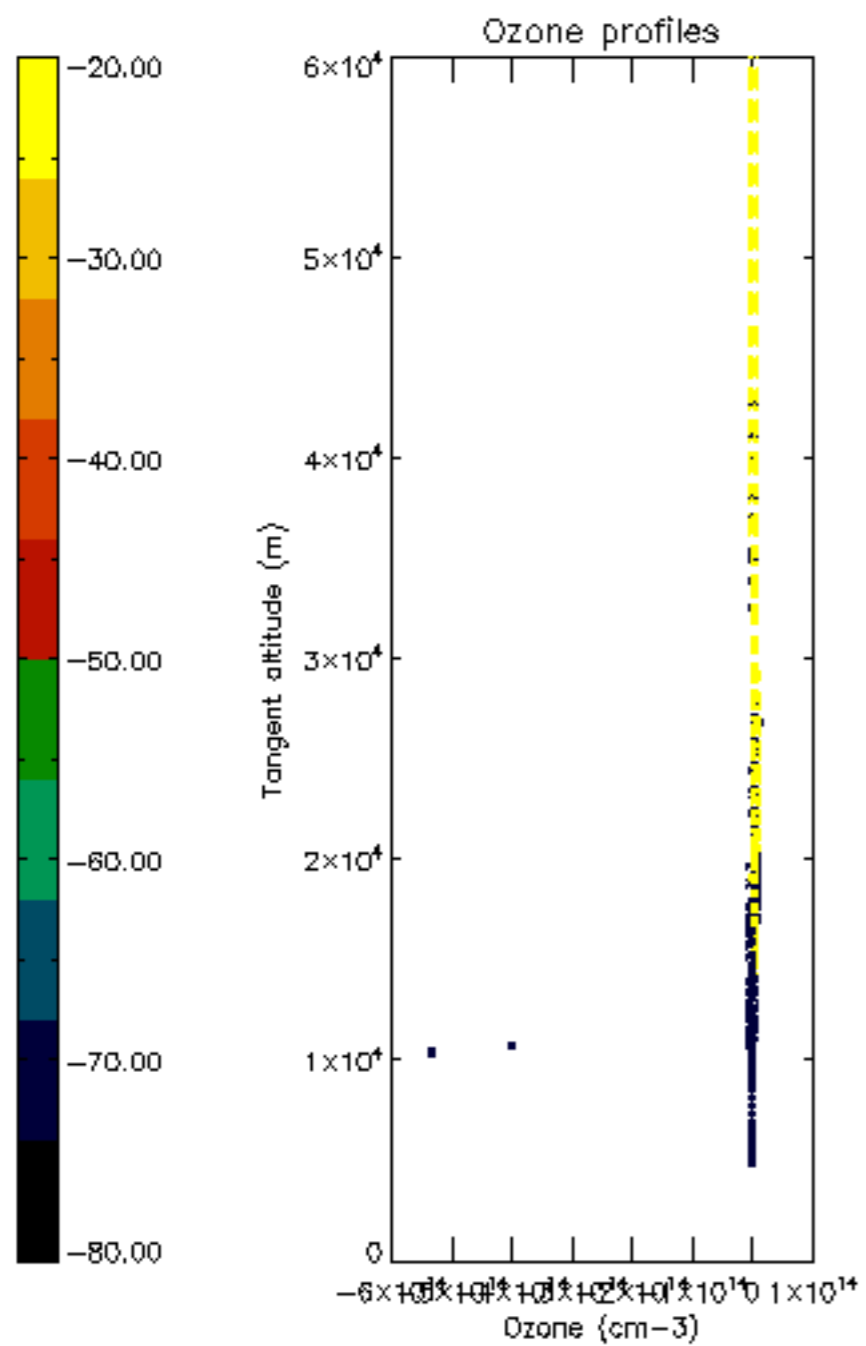
Percentage of star falling outside central band per profile

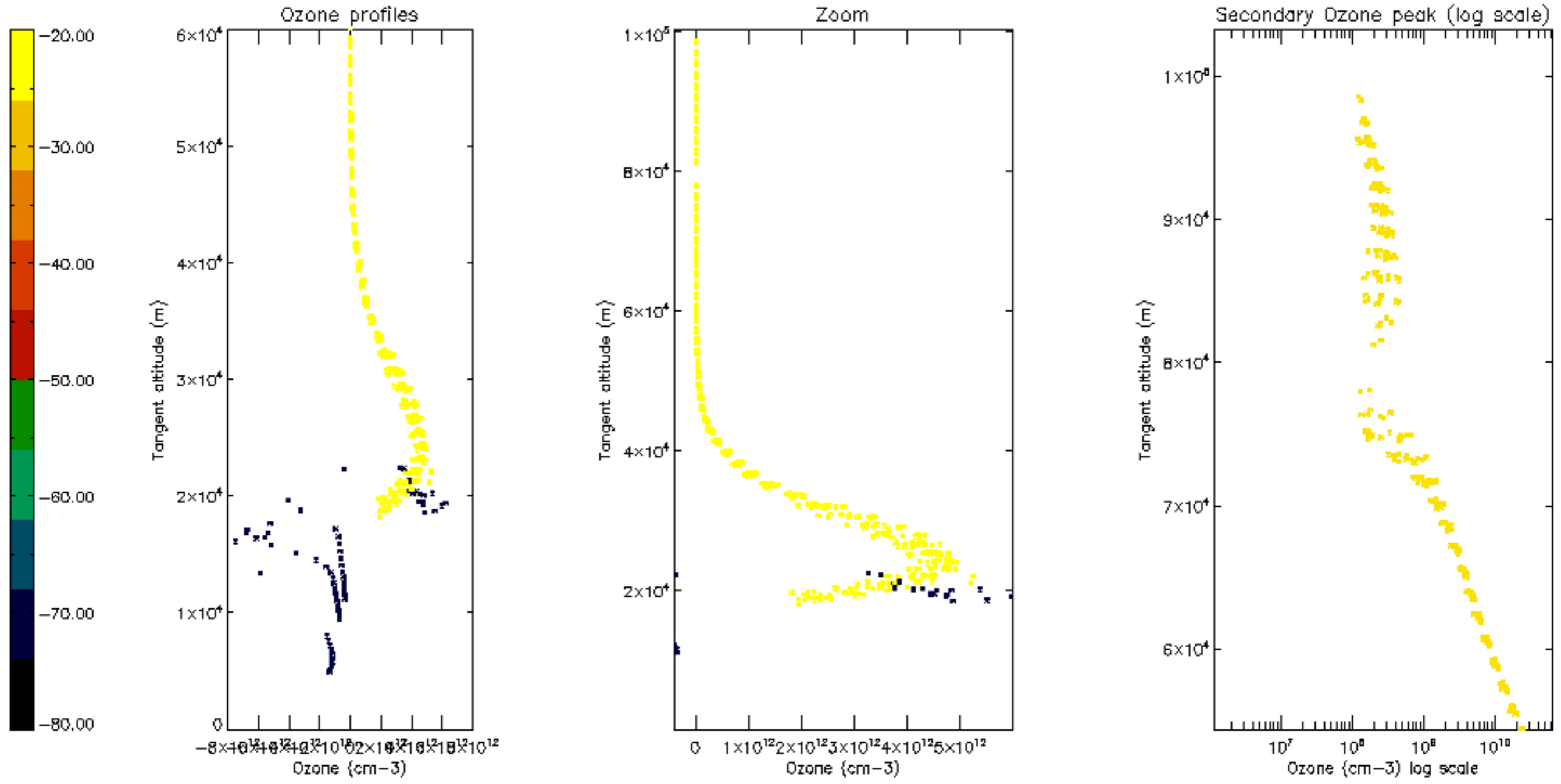


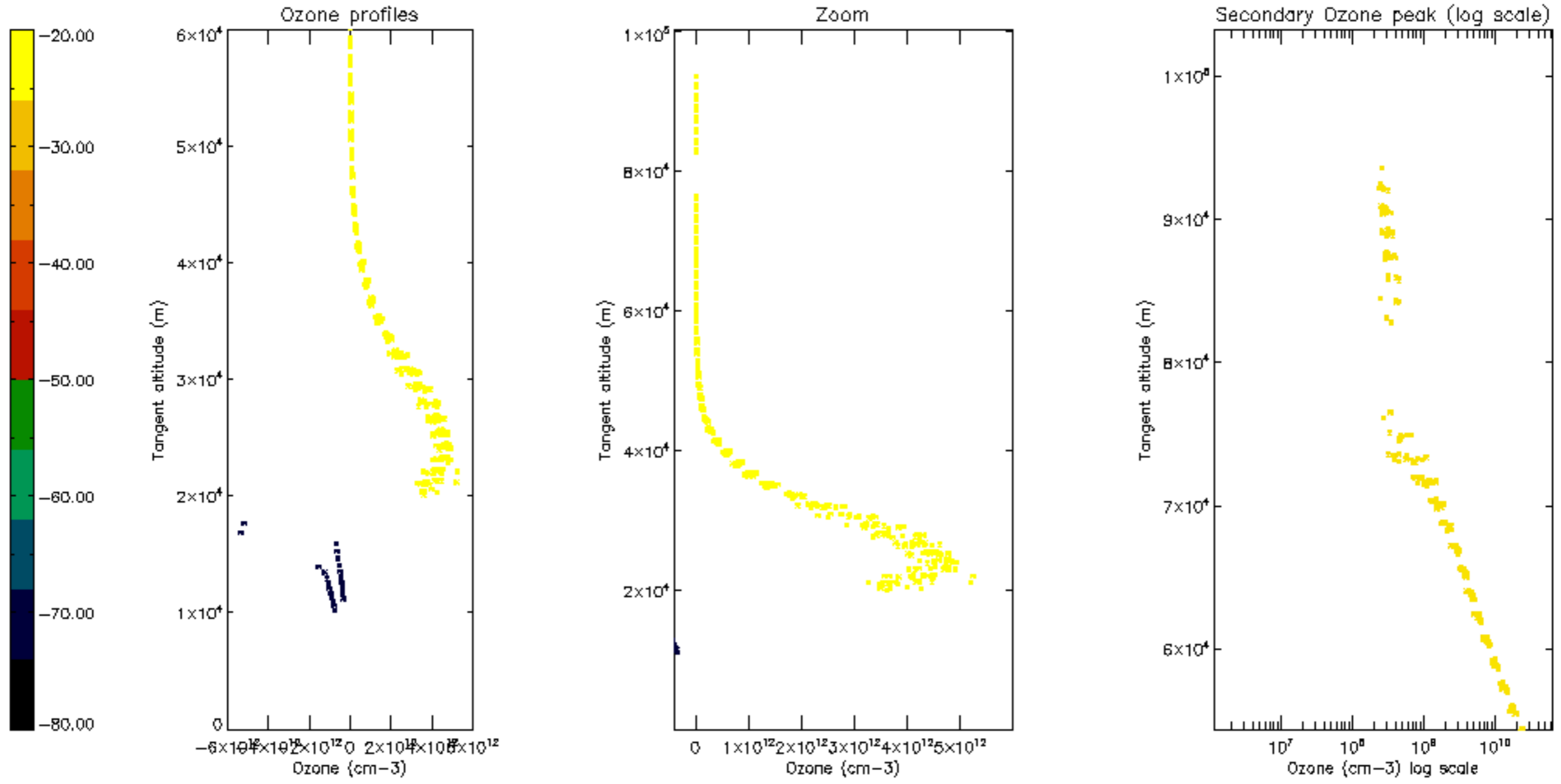
Percentage of saturation errors per profile

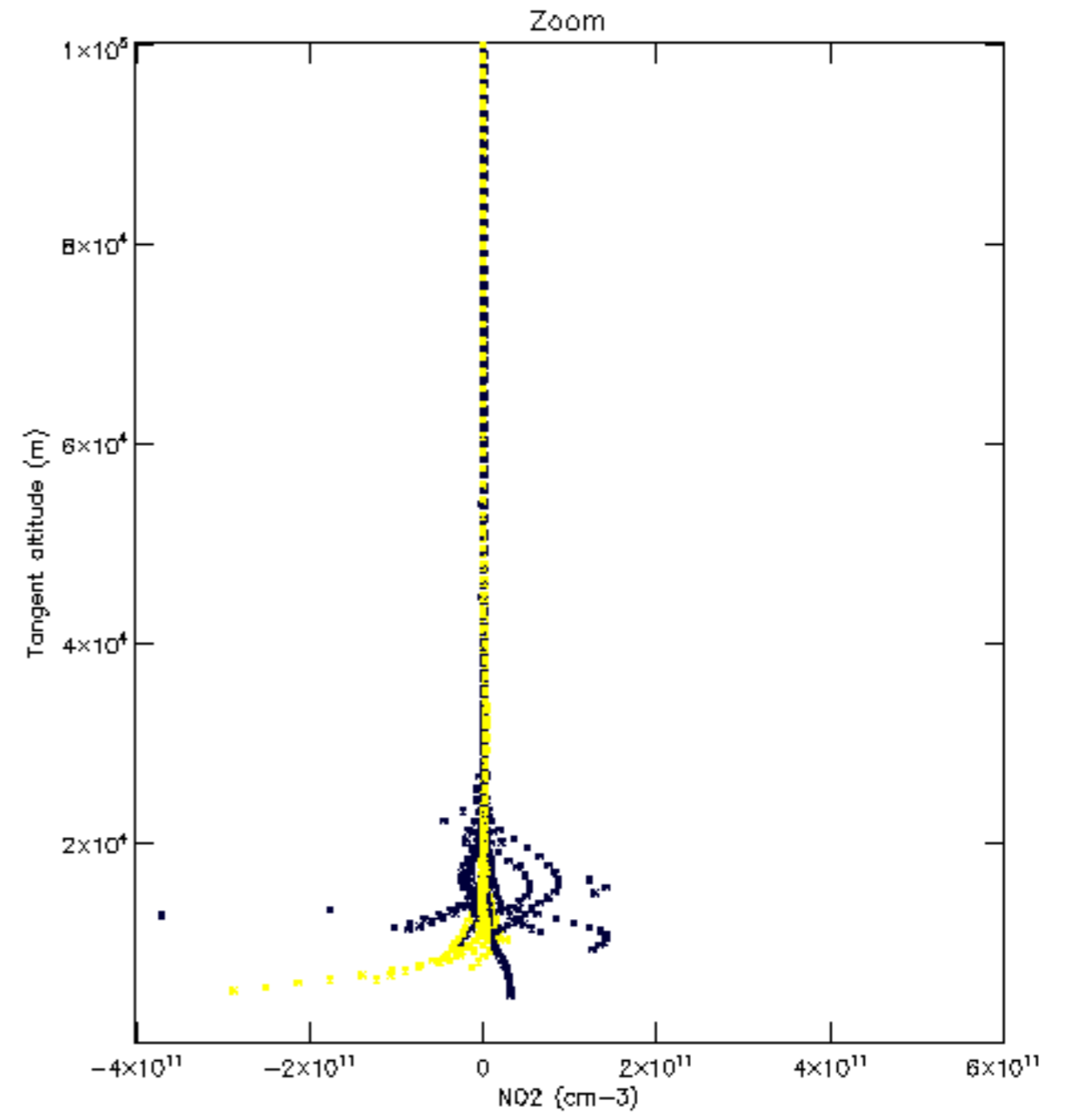
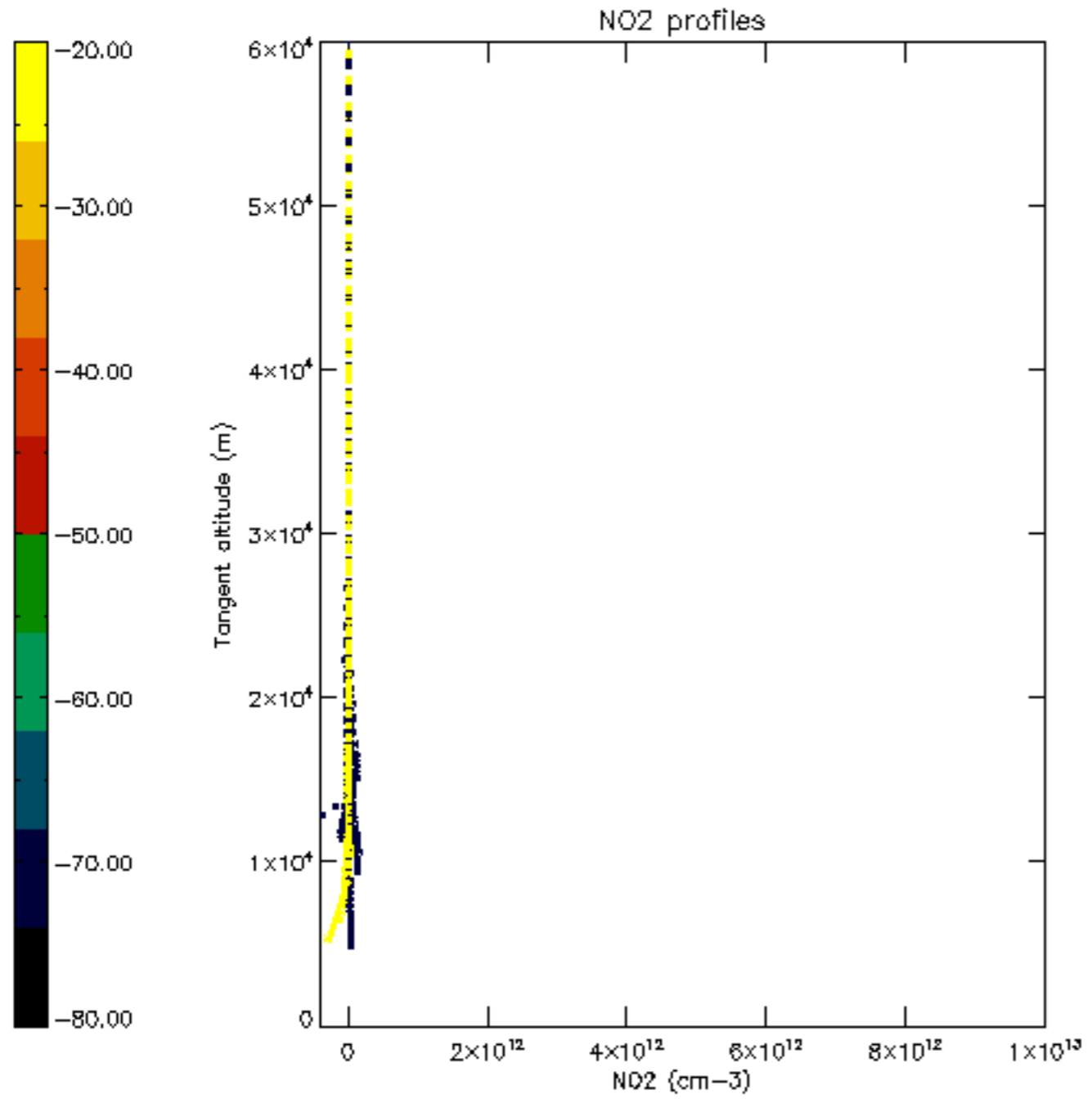


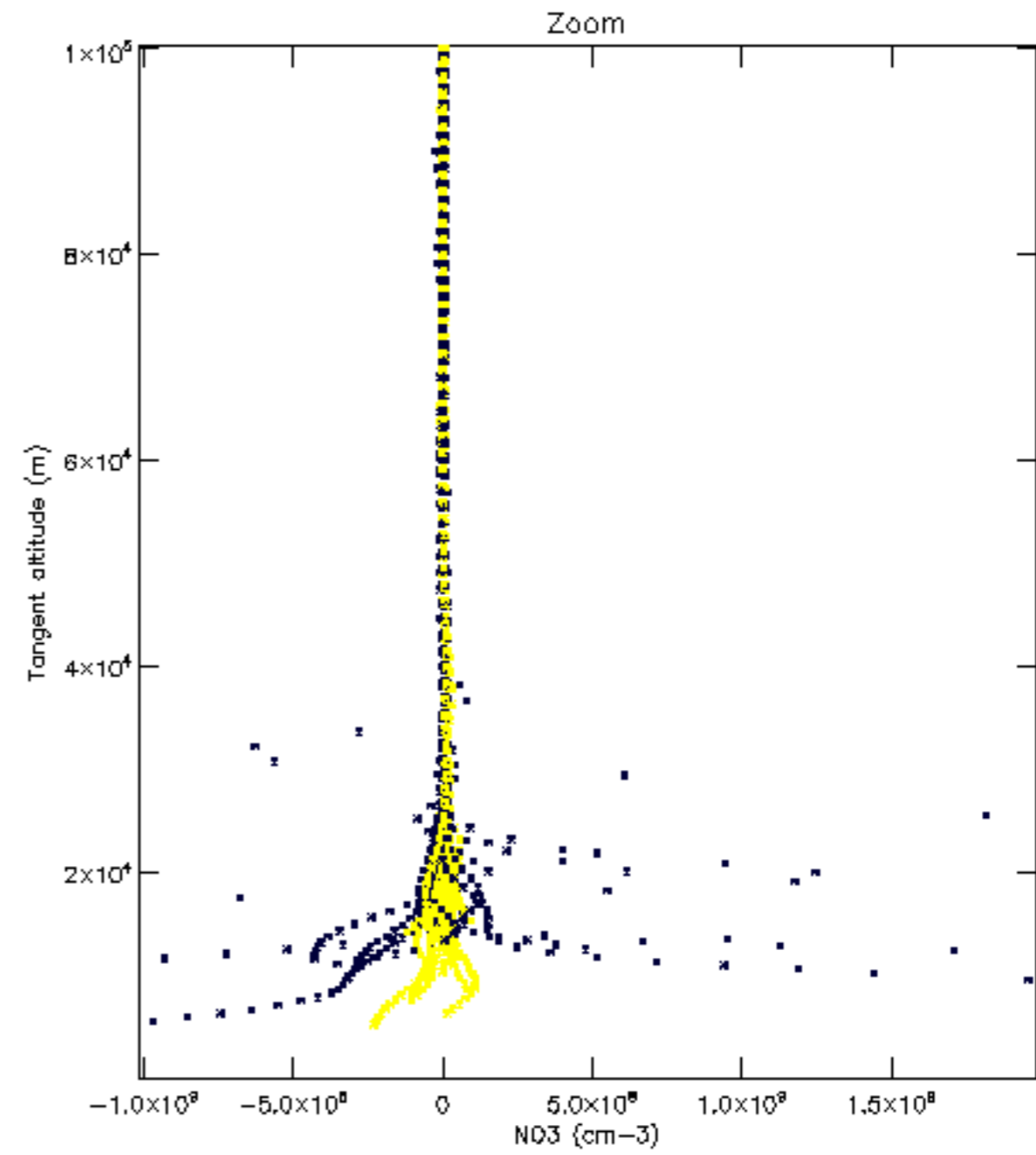
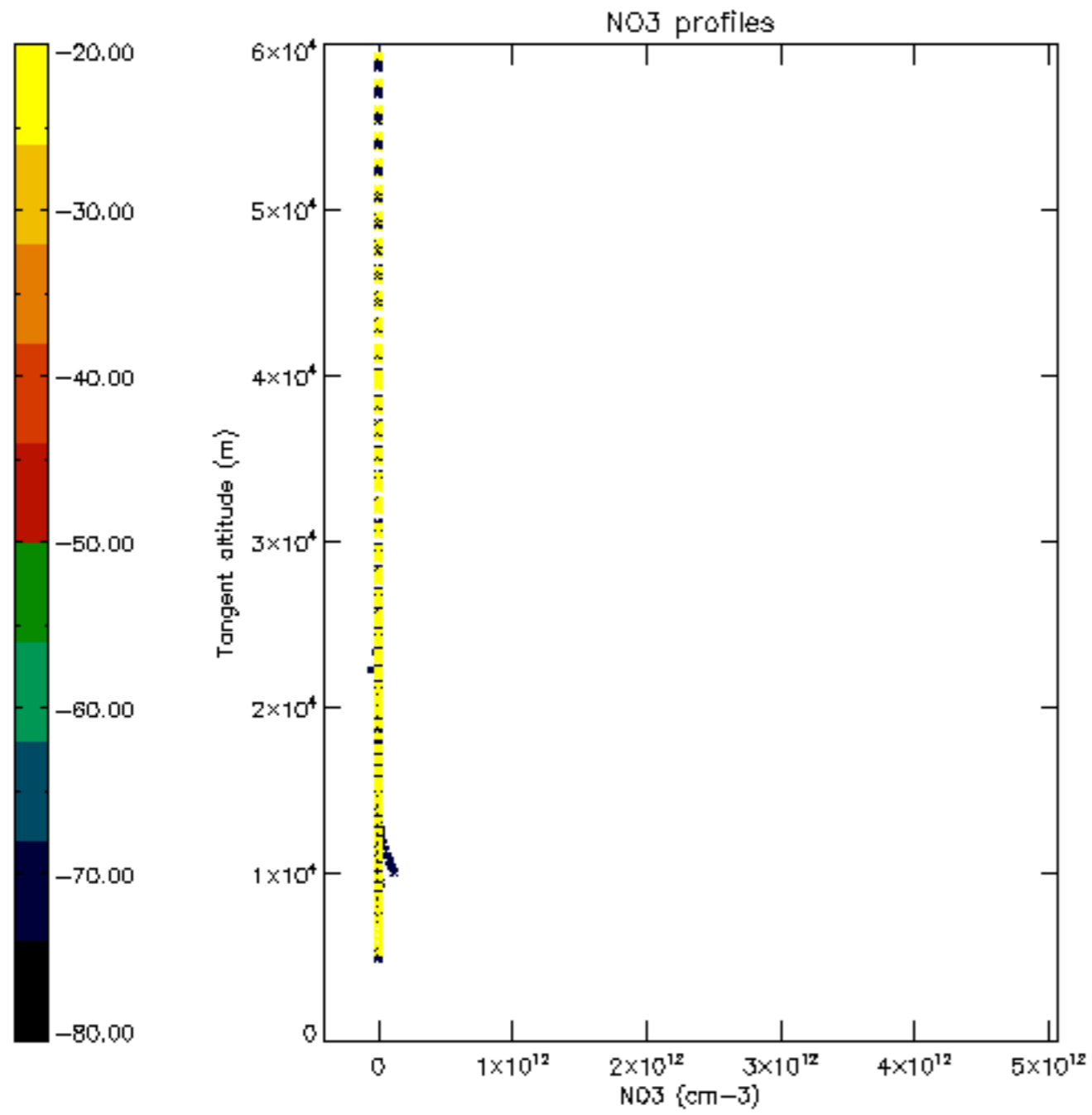


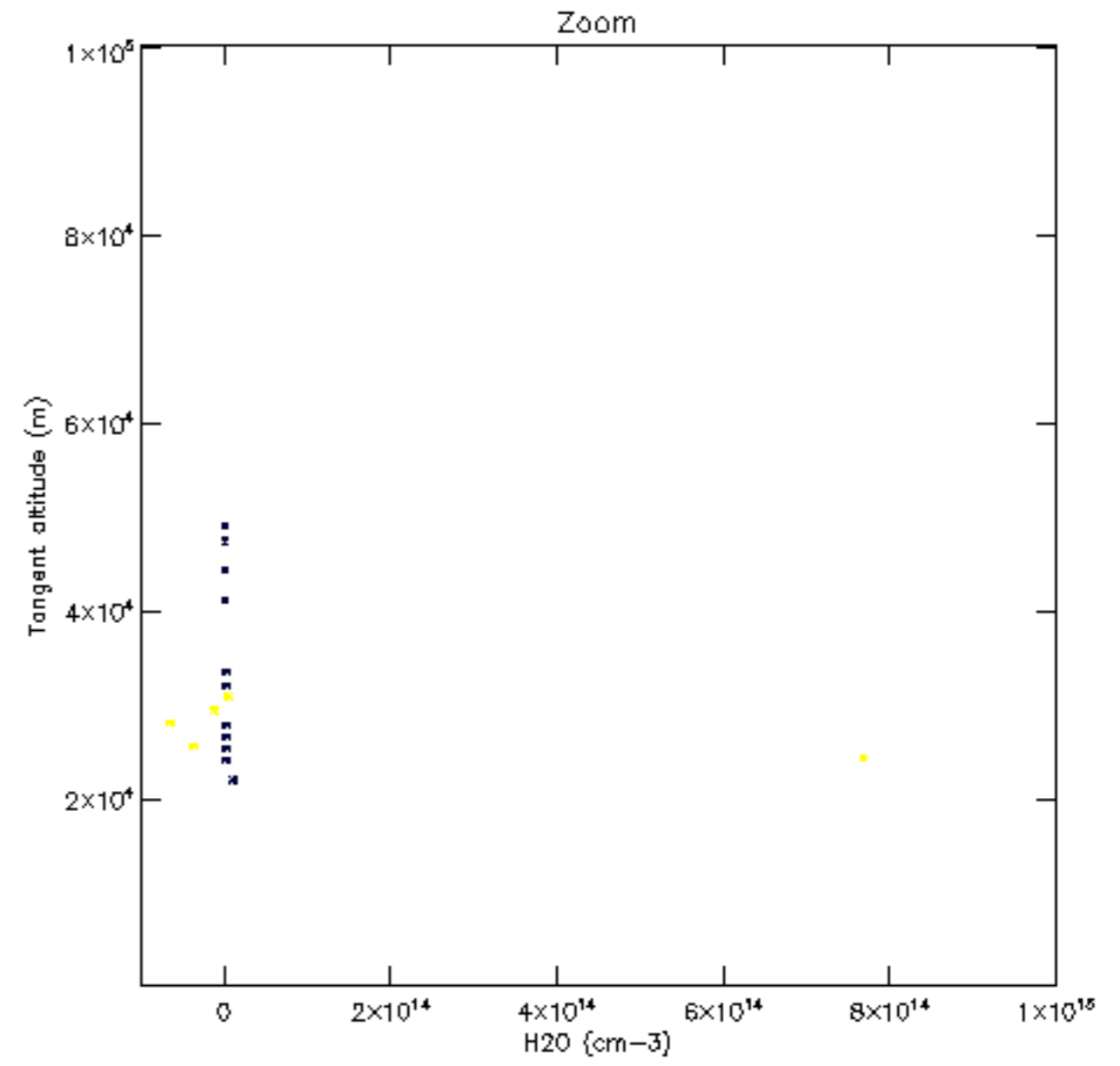
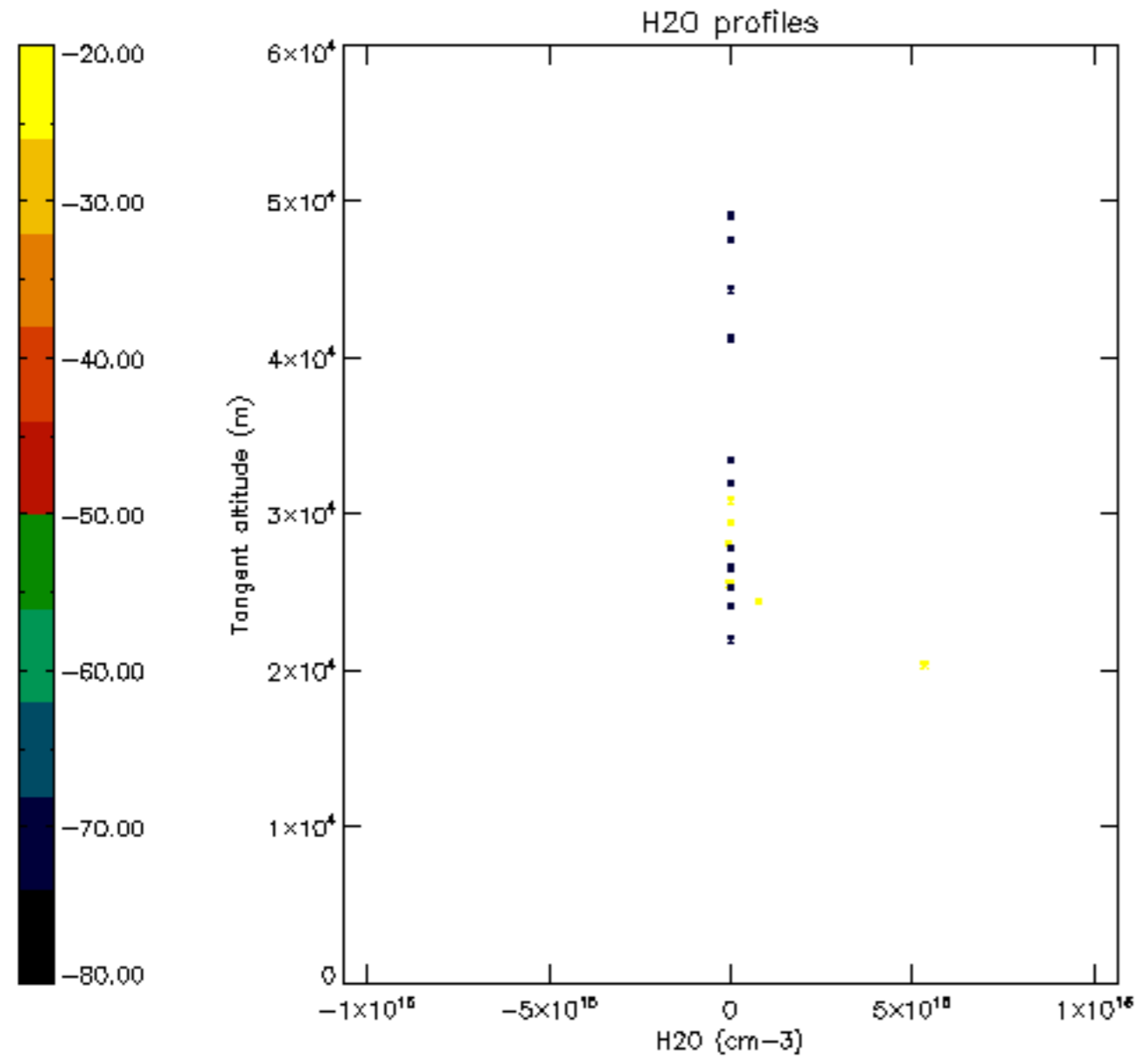


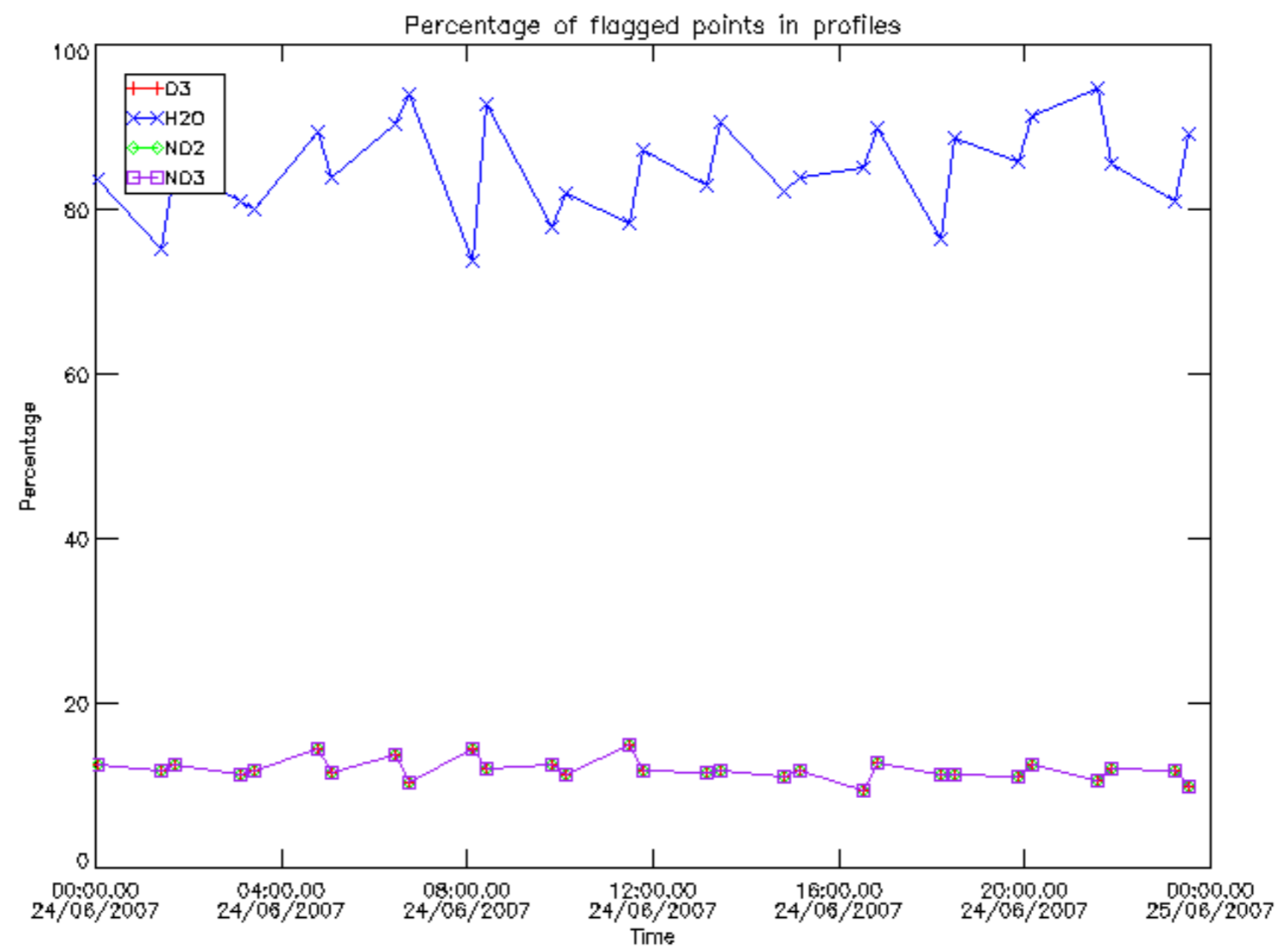




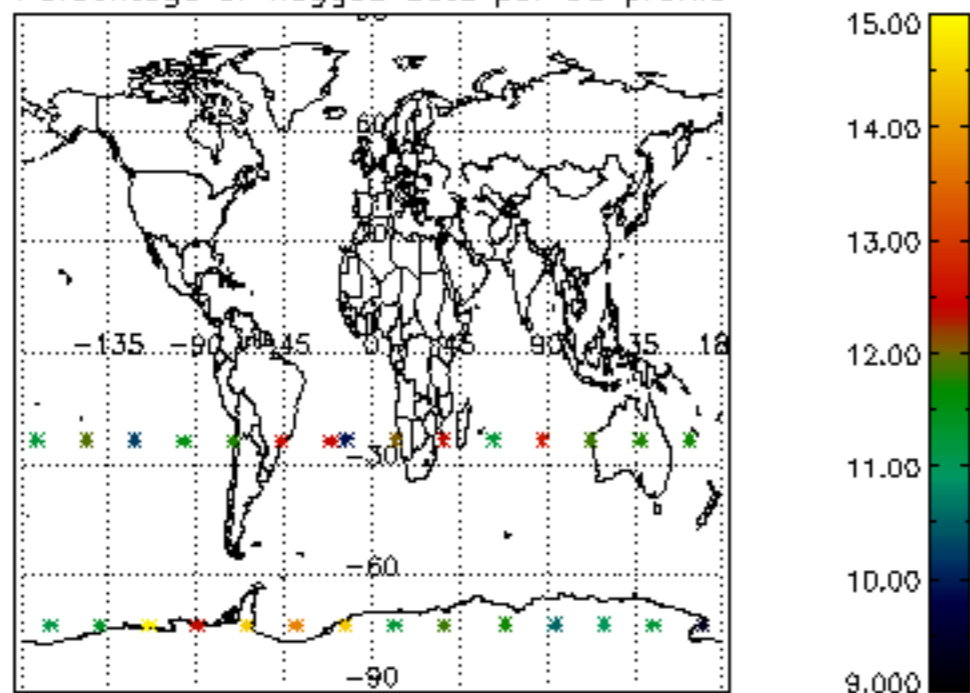




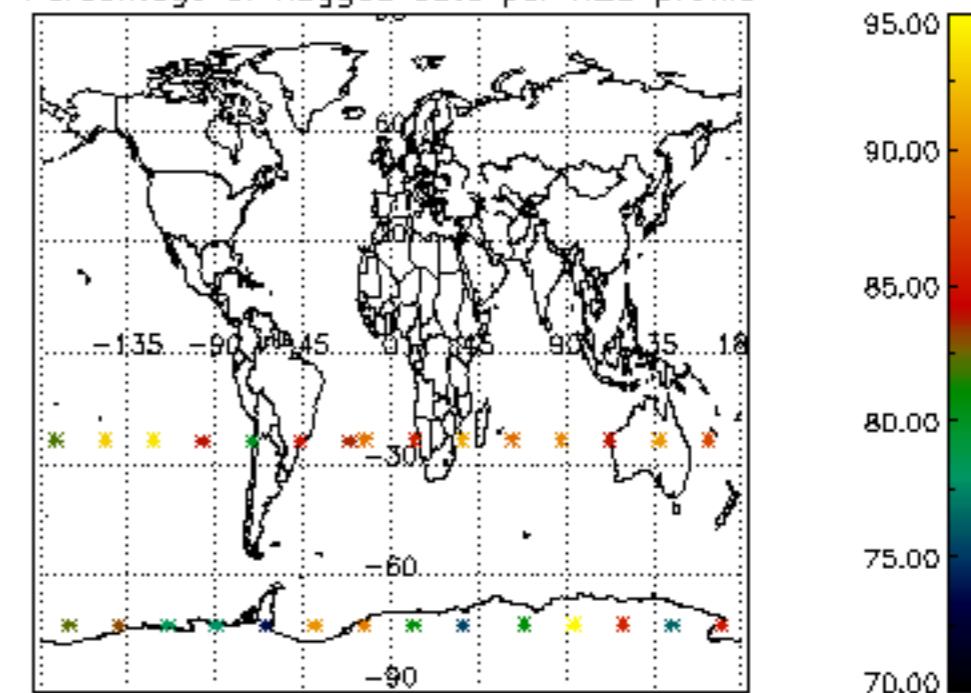




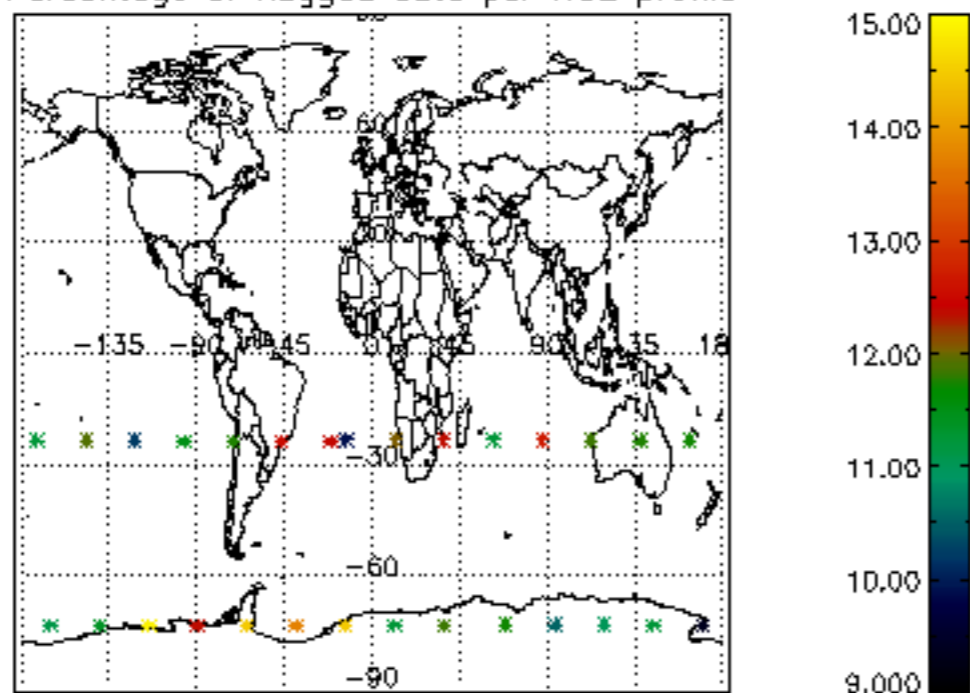
Percentage of flagged data per D3 profile



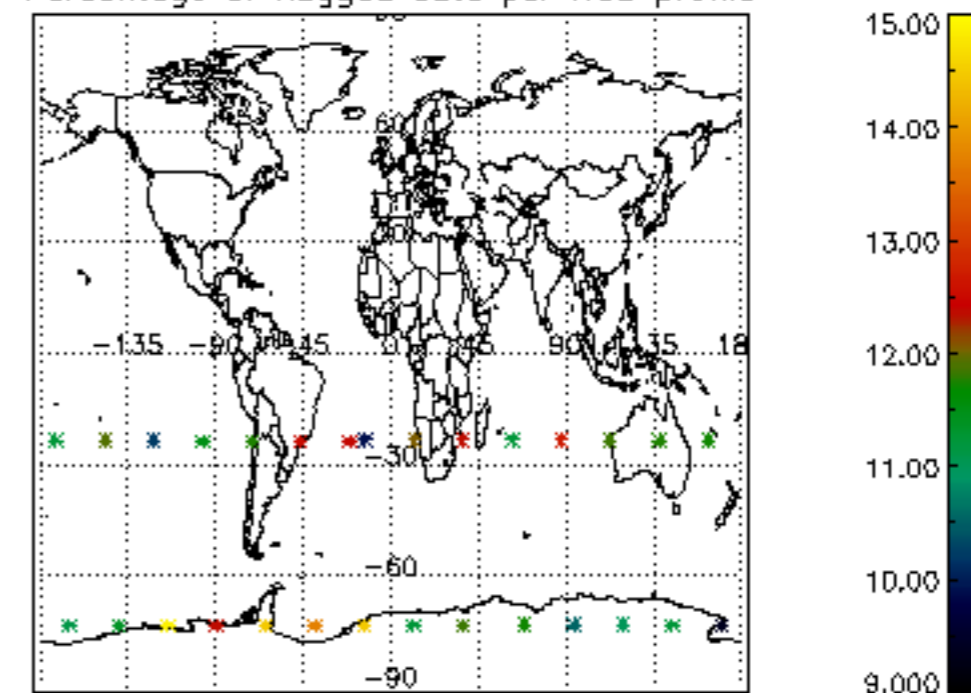
Percentage of flagged data per H2O profile

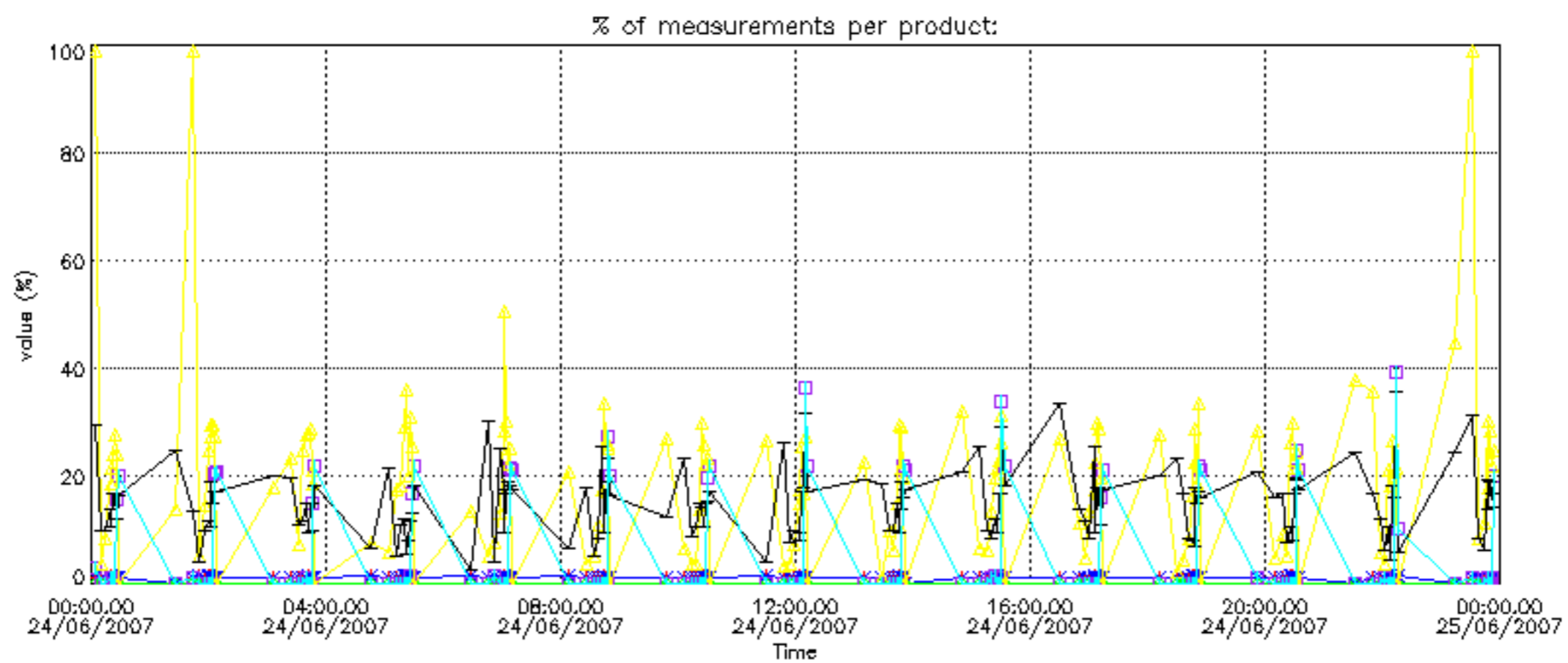
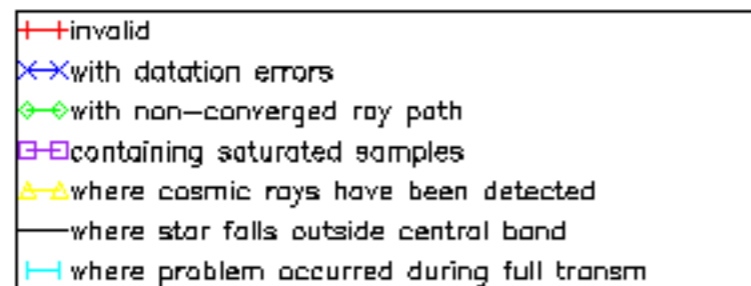


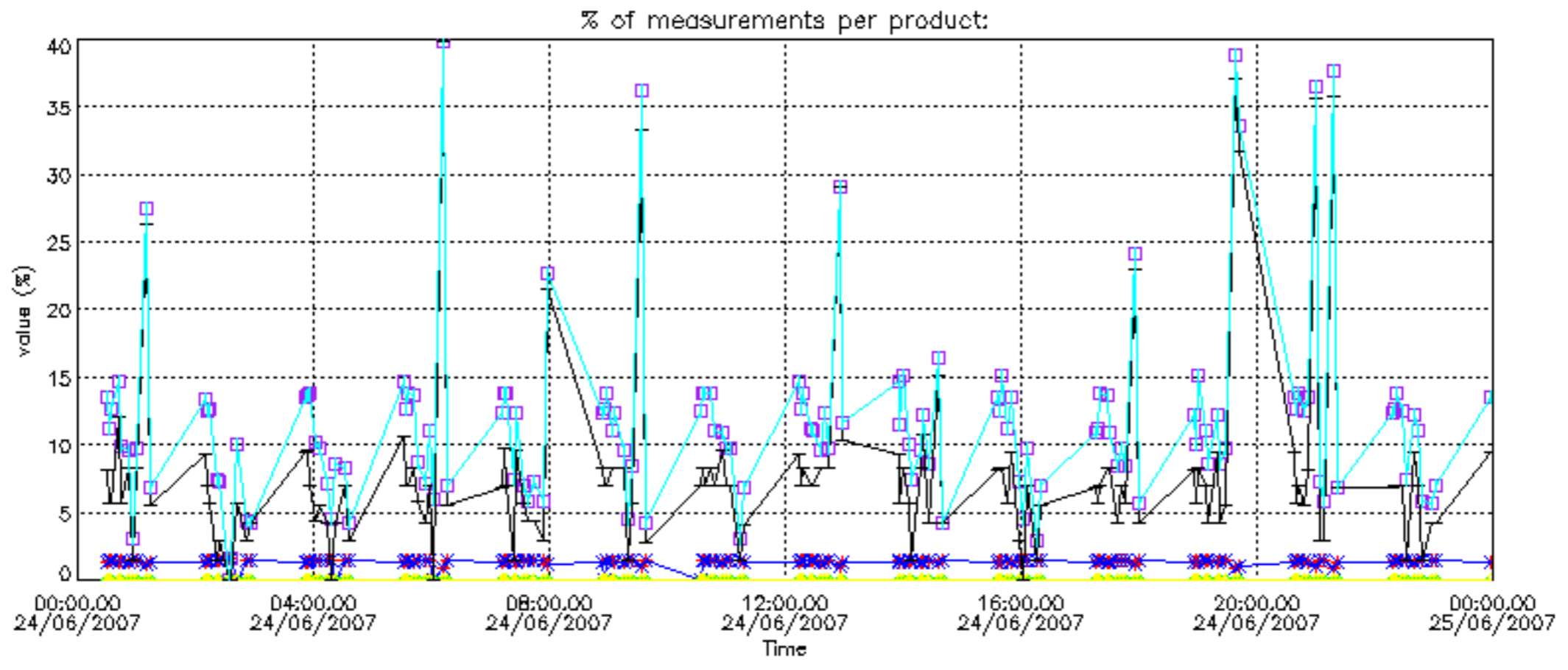
Percentage of flagged data per NO2 profile



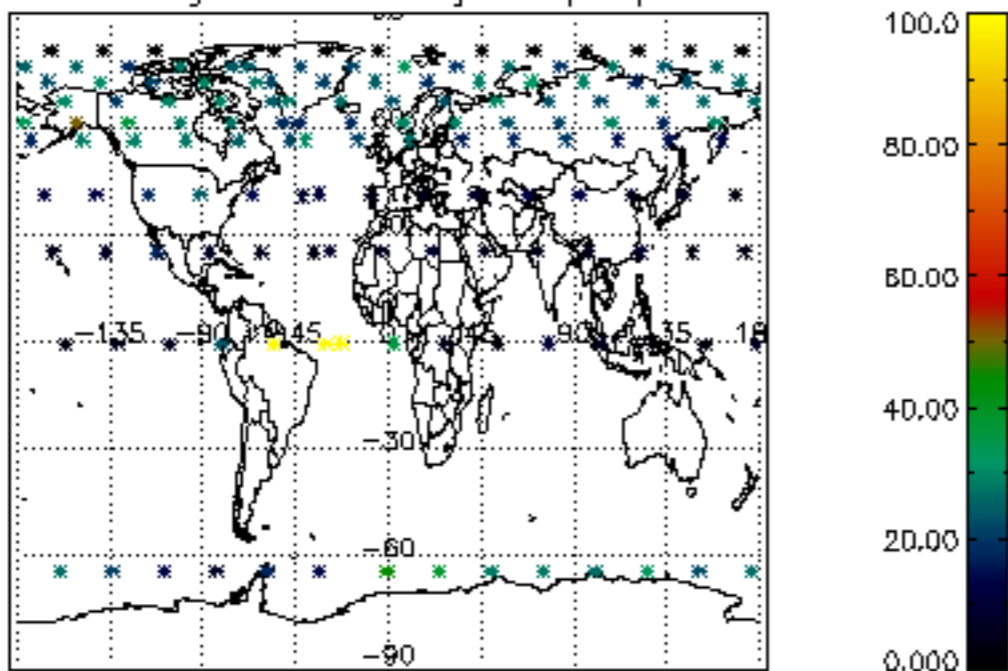
Percentage of flagged data per NO3 profile



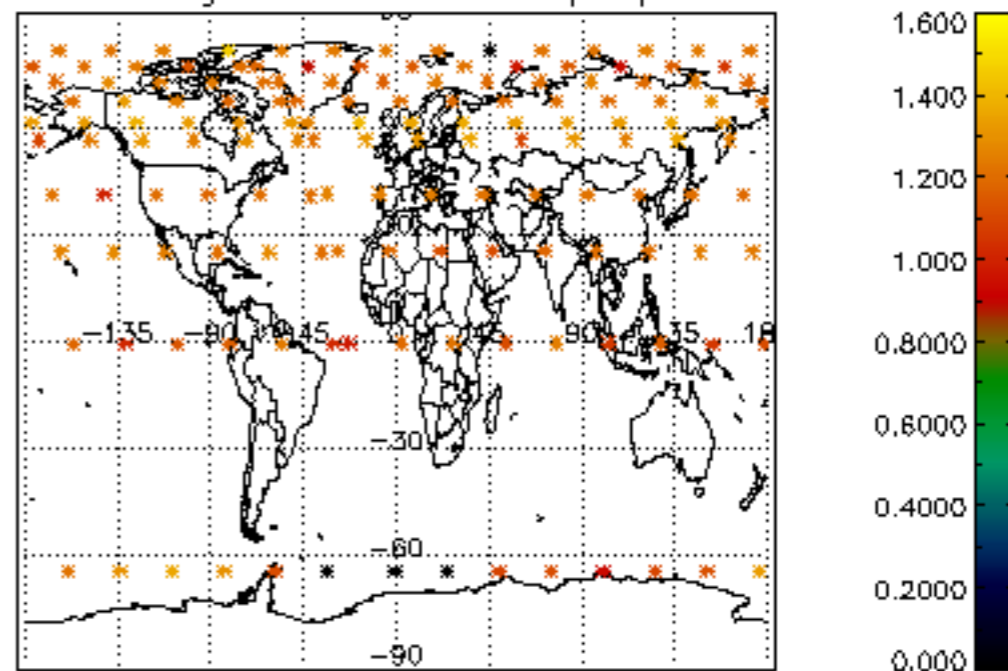




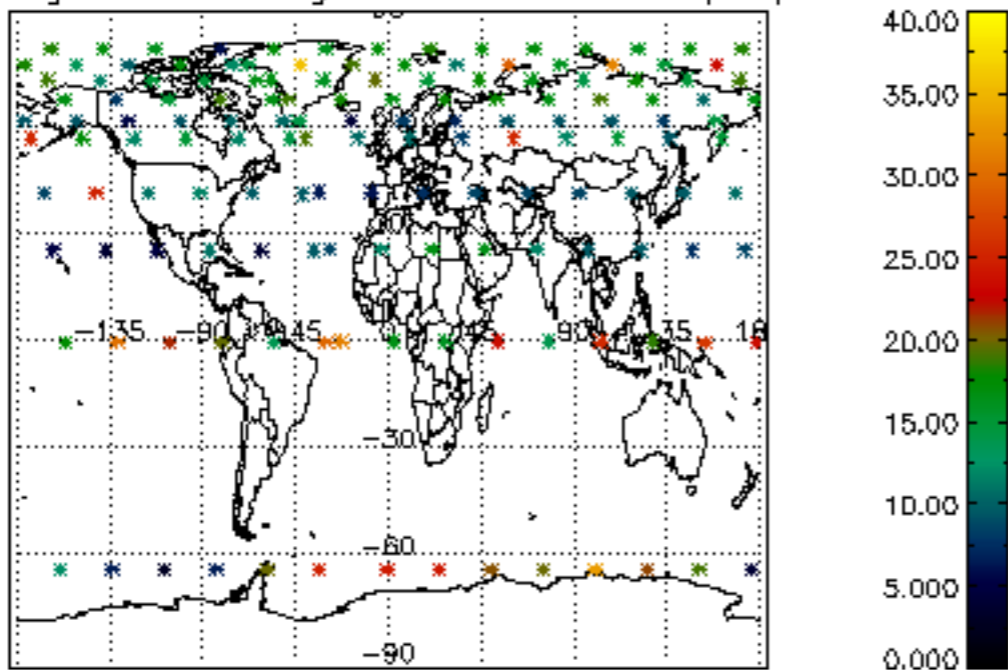
Percentage of cosmic ray hits per profile



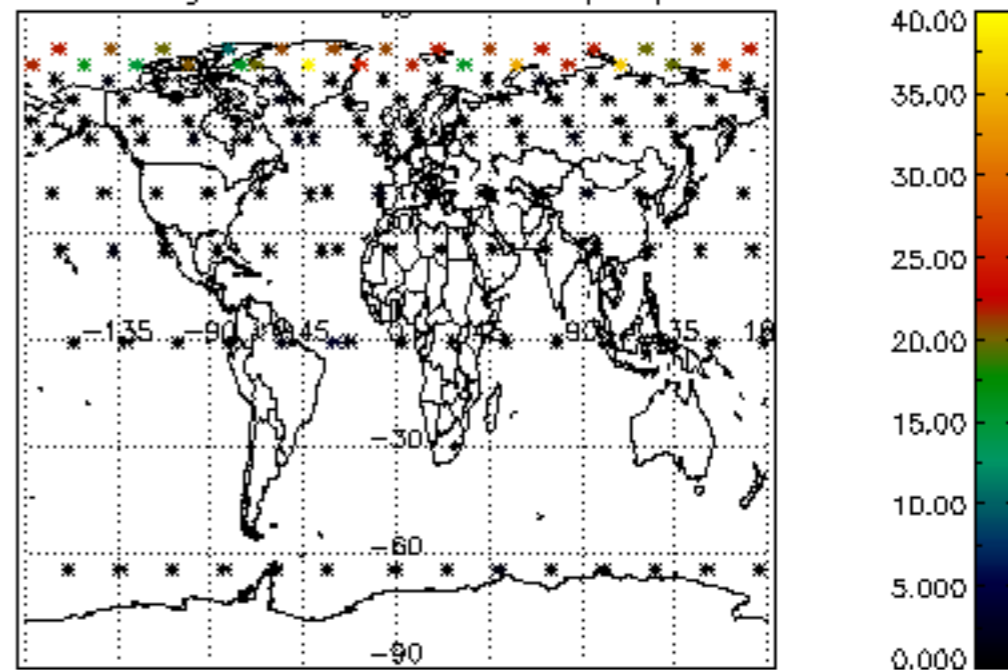
Percentage of datation errors per profile



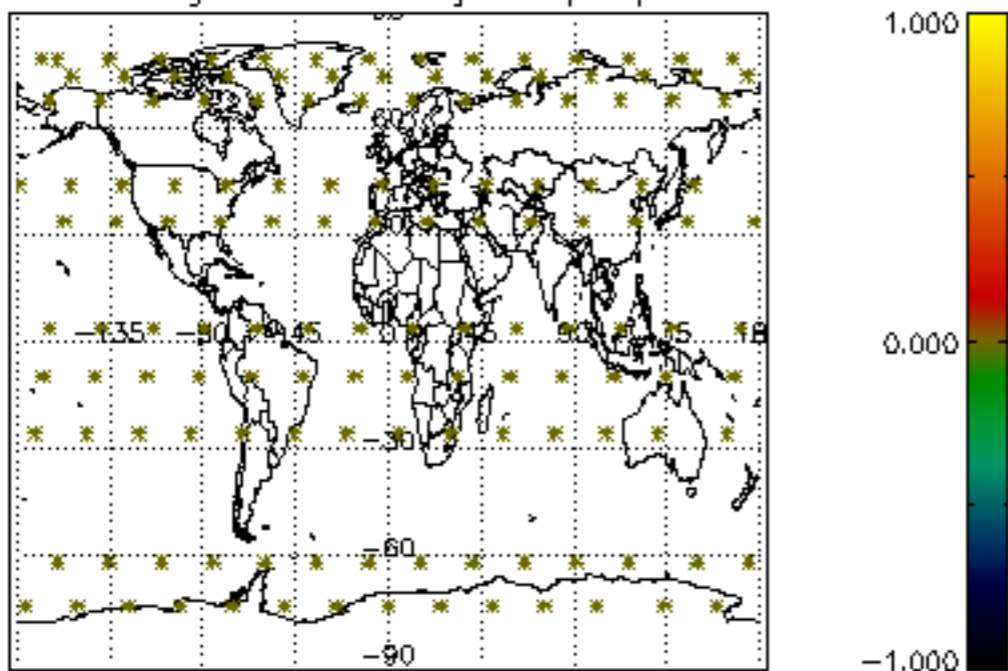
Percentage of star falling outside central band per profile



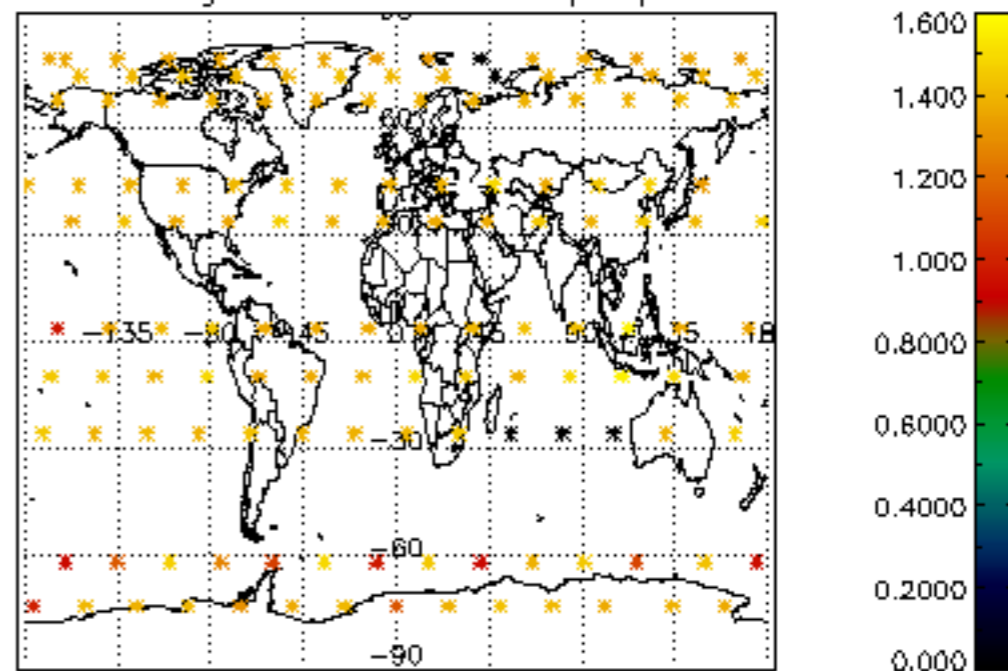
Percentage of saturation errors per profile



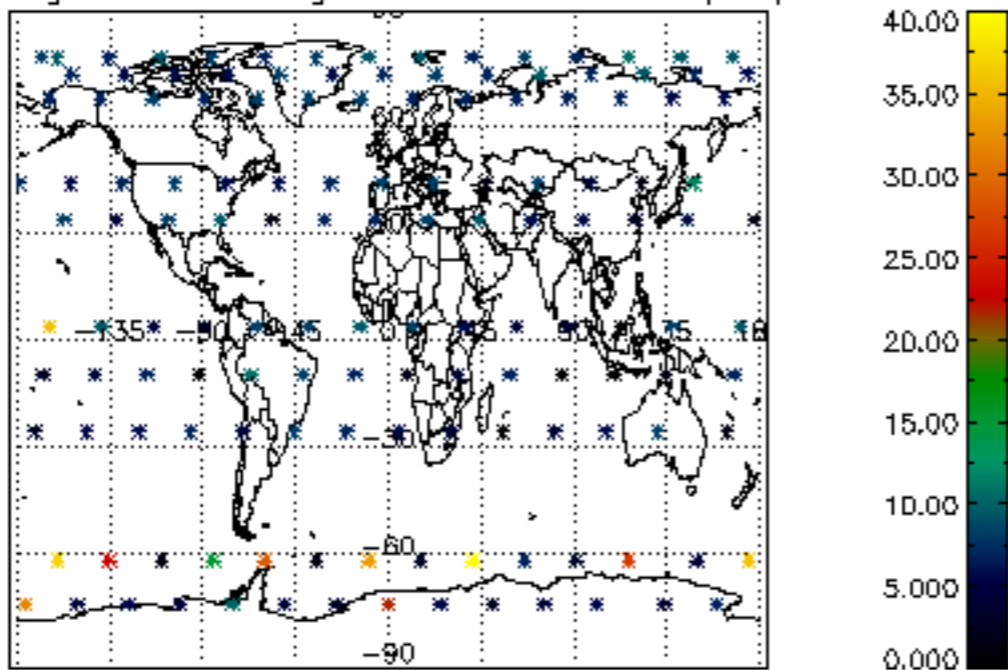
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

