

GOMOS Level 2 Daily Report

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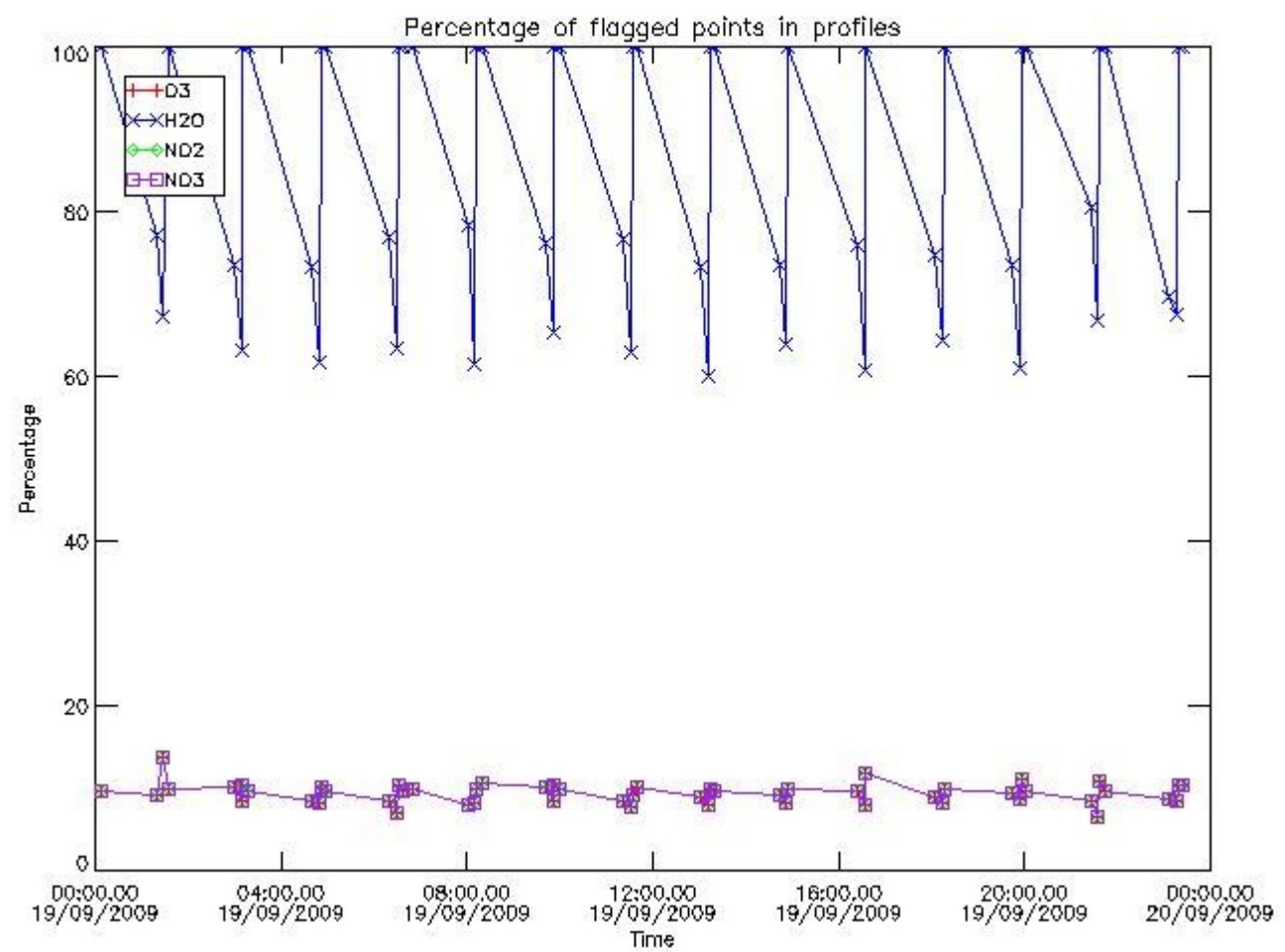
This report presents the daily analysis on parameters extracted from GOMOS level 2 data (GOM_NL__2P). It is intended to monitor some important parameters that will impact the quality of these products. A list of level 2 products (and content) that have arrived during the reporting day to the PCF is also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

Item	Value
Time of report generation	26APR2013 12:51:21
Data source version	GOMOS/6.01
Start time of products	19-09-2009 (19SEP2009 00:00:00)
Stop time of products	20-09-2009 (20SEP2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	152
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

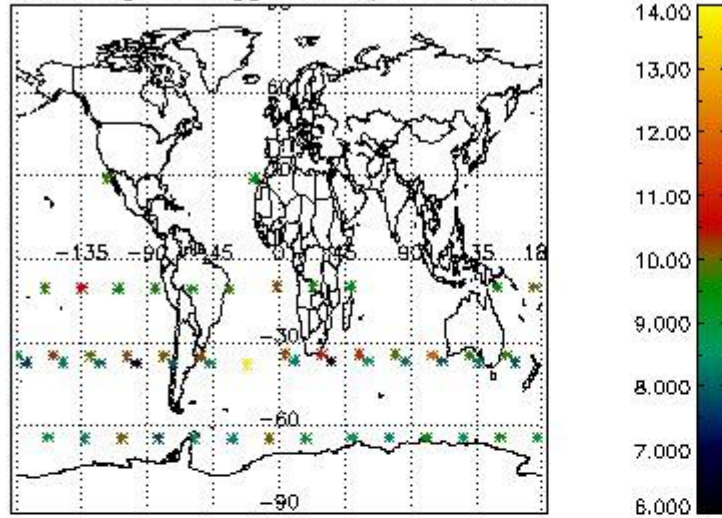
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20090919_000715_000000532082_00360_39492_7653.N1	19-SEP-2009 00:07:15	Dark	53.000	157	The1Eri	2.9060	9300.0	106	39492	No
2	GOM_NL__2PRFIN20090919_001958_000000542082_00360_39492_7654.N1	19-SEP-2009 00:19:58	Twilight	53.500	52	16Bet Cet	2.0370	4500.0	107	39492	No
3	GOM_NL__2PRFIN20090919_003149_000000462082_00360_39492_7655.N1	19-SEP-2009 00:31:49	Bright	46.000	140	88Gam Peg	2.8340	26000.	92	39492	No
4	GOM_NL__2PRFIN20090919_003613_000000452082_00360_39492_7656.N1	19-SEP-2009 00:36:13	Bright	44.500	58	21Alp And	2.0730	11000.	89	39492	No
5	GOM_NL__2PRFIN20090919_004432_000000402082_00360_39492_7657.N1	19-SEP-2009 00:44:32	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	39492	No
6	GOM_NL__2PRFIN20090919_004615_000000422082_00360_39492_7658.N1	19-SEP-2009 00:46:15	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	39492	No
7	GOM_NL__2PRFIN20090919_010912_000000492082_00360_39492_7659.N1	19-SEP-2009 01:09:12	Bright	48.500	24	66Alp Gem	1.5800	10200.	97	39492	No
8	GOM_NL__2PRFIN20090919_011812_000000662082_00360_39492_7660.N1	19-SEP-2009 01:18:12	Dark	65.500	8	10Alp CMi	0.40000	6500.0	131	39492	No
9	GOM_NL__2PRFIN20090919_012744_000000662082_00360_39492_7661.N1	19-SEP-2009 01:27:44	Dark	66.000	1	9Alp CMa	-1.4400	11000.	132	39492	No
10	GOM_NL__2PRFIN20090919_013602_000000522082_00361_39493_7670.N1	19-SEP-2009 01:36:02	Dark	52.000	108	Alp Col	2.6520	15200.	104	39493	No
11	GOM_NL__2PRFIN20090919_014751_000000552082_00361_39493_7671.N1	19-SEP-2009 01:47:51	Straylight	54.500	157	The1Eri	2.9060	9300.0	109	39493	No
12	GOM_NL__2PRFIN20090919_020034_000000562082_00361_39493_7672.N1	19-SEP-2009 02:00:34	Twilight	55.500	52	16Bet Cet	2.0370	4500.0	111	39493	No
13	GOM_NL__2PRFIN20090919_021224_000000462082_00361_39493_7673.N1	19-SEP-2009 02:12:24	Bright	46.000	140	88Gam Peg	2.8340	26000.	92	39493	No
14	GOM_NL__2PRFIN20090919_021648_000000462082_00361_39493_7674.N1	19-SEP-2009 02:16:48	Bright	46.000	58	21Alp And	2.0730	11000.	92	39493	No
15	GOM_NL__2PRFIN20090919_022508_000000402082_00361_39493_7675.N1	19-SEP-2009 02:25:08	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	39493	No
16	GOM_NL__2PRFIN20090919_022650_000000432082_00361_39493_7676.N1	19-SEP-2009 02:26:50	Bright	43.000	76	27Gam Cas	2.3000	30000.	86	39493	No
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18	GOM_NL__2PRFIN20090919_025848_000000552082_00361_39493_7678.N1	19-SEP-2009 02:58:48	Dark	55.000	8	10Alp CMi	0.40000	6500.0	110	39493	No
19	GOM_NL__2PRFIN20090919_030821_000000672082_00361_39493_7679.N1	19-SEP-2009 03:08:21	Dark	67.000	1	9Alp CMa	-1.4400	11000.	134	39493	No
20	GOM_NL__2PRFIN20090919_031022_000000502082_00361_39493_7680.N1	19-SEP-2009 03:10:22	Dark	49.500	23	21Eps CMa	1.5020	26000.	99	39493	No
21	GOM_NL__2PRFIN20090919_031639_000000542082_00362_39494_7679.N1	19-SEP-2009 03:16:39	Dark	53.500	108	Alp Col	2.6520	15200.	107	39494	No
22	GOM_NL__2PRFIN20090919_032828_000000552082_00362_39494_7680.N1	19-SEP-2009 03:28:28	Straylight	54.500	157	The1Eri	2.9060	9300.0	109	39494	No
23	GOM_NL__2PRFIN20090919_034110_000000562082_00362_39494_7681.N1	19-SEP-2009 03:41:10	Twilight	55.500	52	16Bet Cet	2.0370	4500.0	111	39494	No
24	GOM_NL__2PRFIN20090919_035300_000000462082_00362_39494_7682.N1	19-SEP-2009 03:53:00	Bright	46.000	140	88Gam Peg	2.8340	26000.	92	39494	No
25	GOM_NL__2PRFIN20090919_035723_000000462082_00362_39494_7683.N1	19-SEP-2009 03:57:23	Bright	46.000	58	21Alp And	2.0730	11000.	92	39494	No
26	GOM_NL__2PRFIN20090919_040544_000000412082_00362_39494_7684.N1	19-SEP-2009 04:05:44	Bright	40.500	74	11Bet Cas	2.2680	6600.0	81	39494	No
27	GOM_NL__2PRFIN20090919_040726_000000422082_00362_39494_7685.N1	19-SEP-2009 04:07:26	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	39494	No
28	GOM_NL__2PRFIN20090919_043024_000000472082_00362_39494_7686.N1	19-SEP-2009 04:30:24	Bright	47.000	24	66Alp Gem	1.5800	10200.	94	39494	No
29	GOM_NL__2PRFIN20090919_043925_000000612082_00362_39494_7687.N1	19-SEP-2009 04:39:25	Dark	60.500	8	10Alp CMi	0.40000	6500.0	121	39494	No
30	GOM_NL__2PRFIN20090919_044858_000000632082_00362_39494_7688.N1	19-SEP-2009 04:48:58	Dark	63.000	1	9Alp CMa	-1.4400	11000.	126	39494	No
31	GOM_NL__2PRFIN20090919_045059_000000502082_00362_39494_7689.N1	19-SEP-2009 04:50:59	Dark	50.000	23	21Eps CMa	1.5020	26000.	100	39494	No
32	GOM_NL__2PRFIN20090919_045717_000000532082_00363_39495_7705.N1	19-SEP-2009 04:57:17	Dark	52.500	108	Alp Col	2.6520	15200.	105	39495	No
33	GOM_NL__2PRFIN20090919_050905_000000542082_00363_39495_7706.N1	19-SEP-2009 05:09:05	Straylight	54.000	157	The1Eri	2.9060	9300.0	108	39495	No
34	GOM_NL__2PRFIN20090919_052146_000000542082_00363_39495_7707.N1	19-SEP-2009 05:21:46	Twilight	53.500	52	16Bet Cet	2.0370	4500.0	107	39495	No
35	GOM_NL__2PRFIN20090919_053335_000000462082_00363_39495_7708.N1	19-SEP-2009 05:33:35	Bright	46.000	140	88Gam Peg	2.8340	26000.	92	39495	No
36	GOM_NL__2PRFIN20090919_053759_000000442082_00363_39495_7709.N1	19-SEP-2009 05:37:59	Bright	44.000	58	21Alp And	2.0730	11000.	88	39495	No
37	GOM_NL__2PRFIN20090919_054619_000000412082_00363_39495_7710.N1	19-SEP-2009 05:46:19	Bright	40.500	74	11Bet Cas	2.2680	6600.0	81	39495	No
38	GOM_NL__2PRFIN20090919_054801_000000422082_00363_39495_7711.N1	19-SEP-2009 05:48:01	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	39495	No
39	GOM_NL__2PRFIN20090919_061100_000000612082_00363_39495_7712.N1	19-SEP-2009 06:11:00	Bright	61.000	24	66Alp Gem	1.5800	10200.	122	39495	No
40	GOM_NL__2PRFIN20090919_062002_000000662082_00363_39495_7713.N1	19-SEP-2009 06:20:02	Dark	65.500	8	10Alp CMi	0.40000	6500.0	131	39495	No
41	GOM_NL__2PRFIN20090919_062935_000000732082_00363_39495_7714.N1	19-SEP-2009 06:29:35	Dark	73.000	1	9Alp CMa	-1.4400	11000.	146	39495	No
42	GOM_NL__2PRFIN20090919_063136_000000502082_00363_39495_7715.N1	19-SEP-2009 06:31:36	Dark	49.500	23	21Eps CMa	1.5020	26000.	99	39495	No

3.1 Plot quality information per product (time dependant)

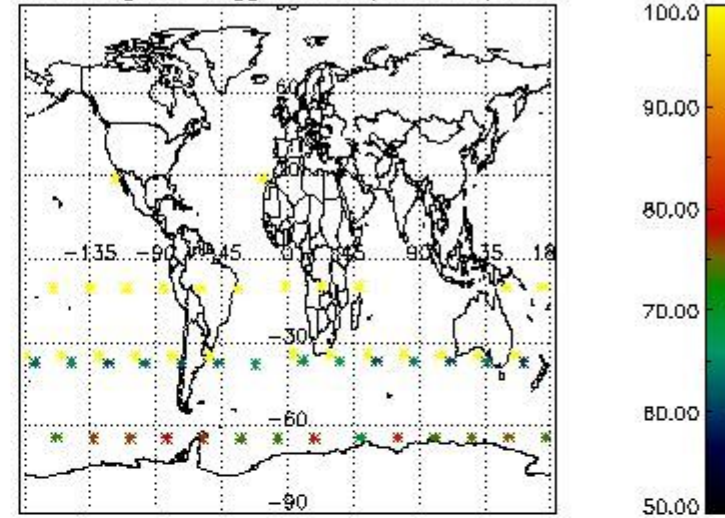


3.2 Plot quality information per product (world map)

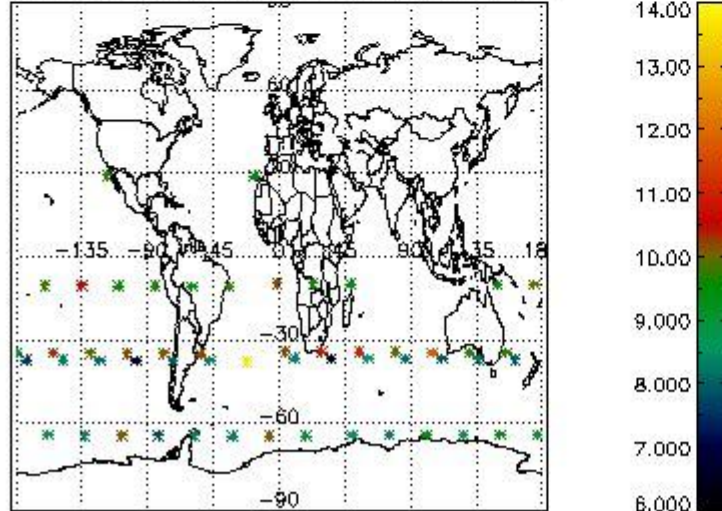
Percentage of flagged data per O3 profile



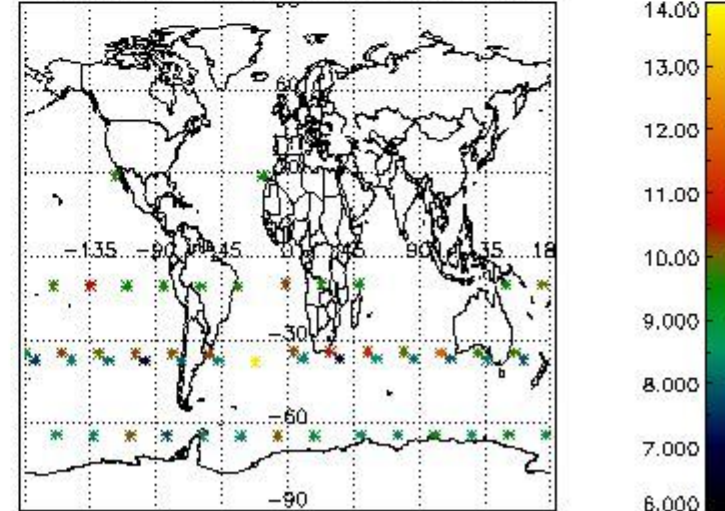
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

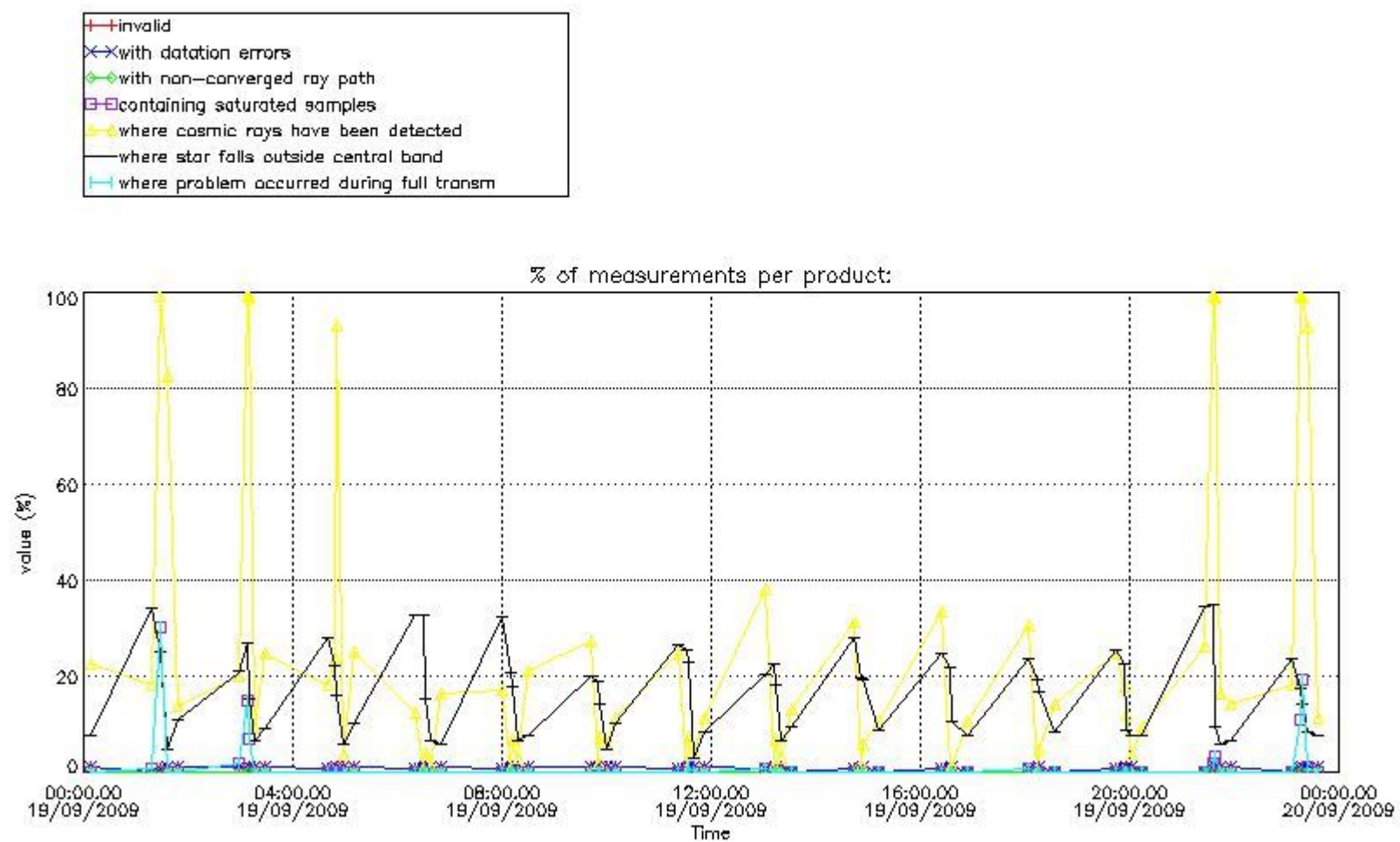


4. Level 1 quality information per product

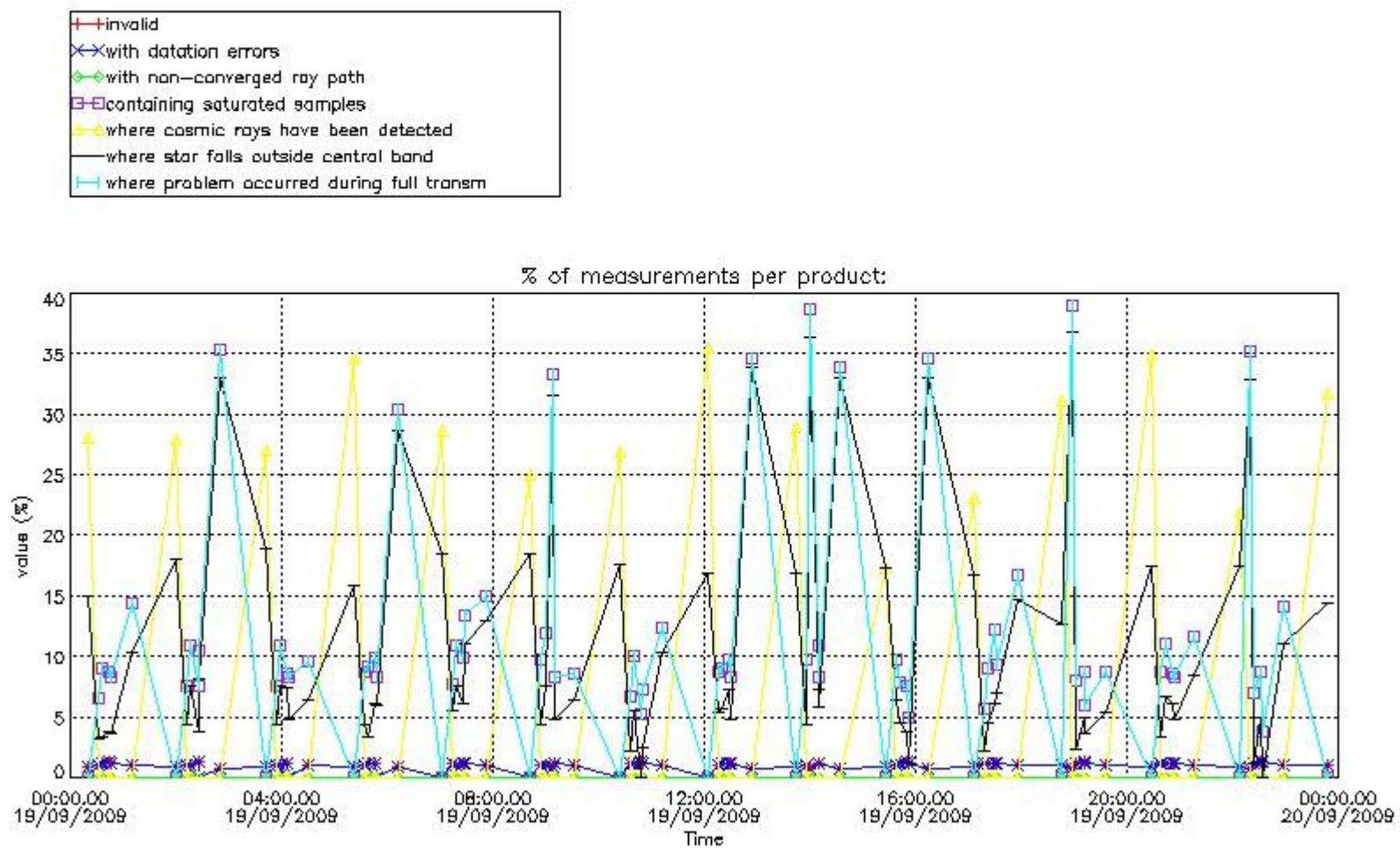
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

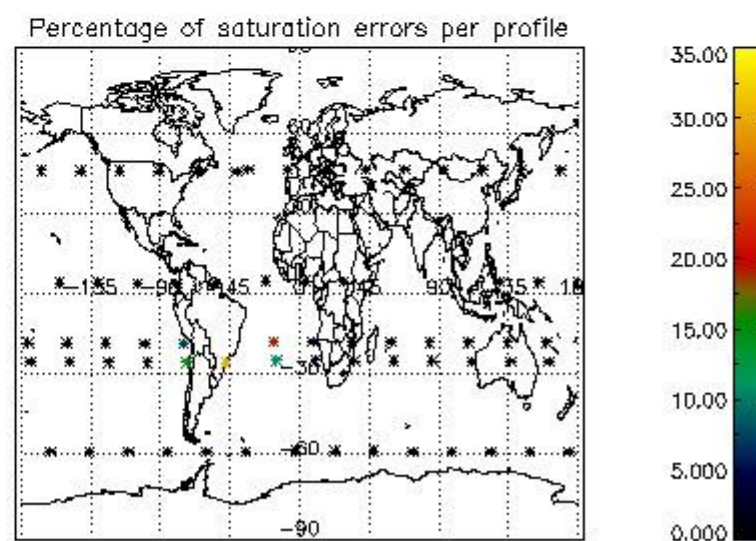
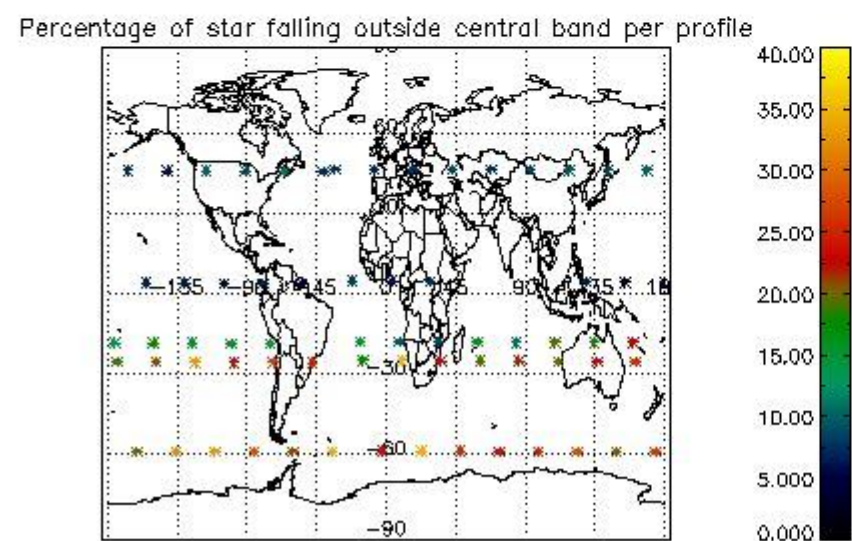
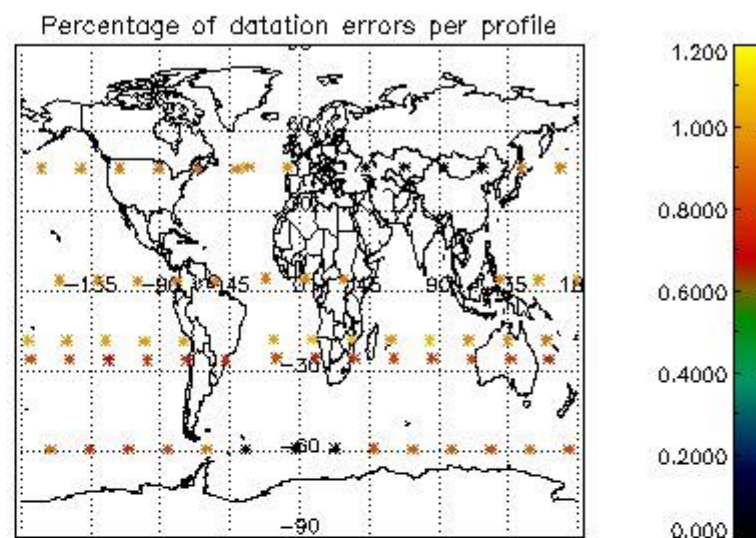
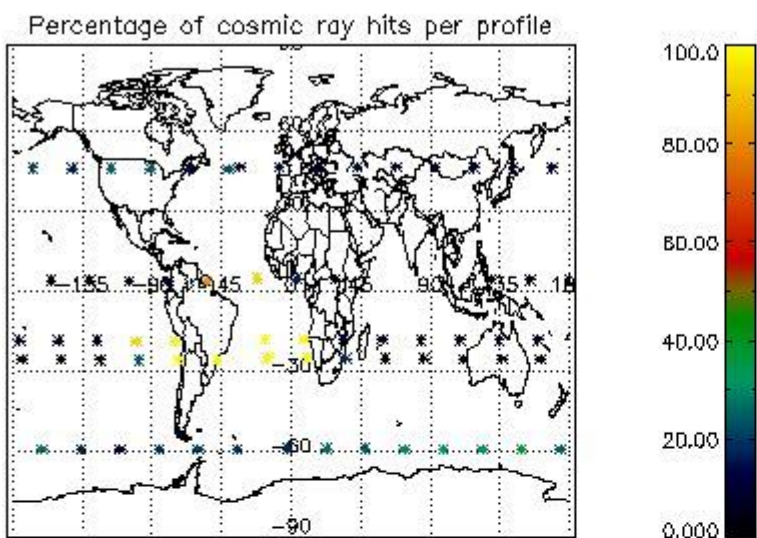


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

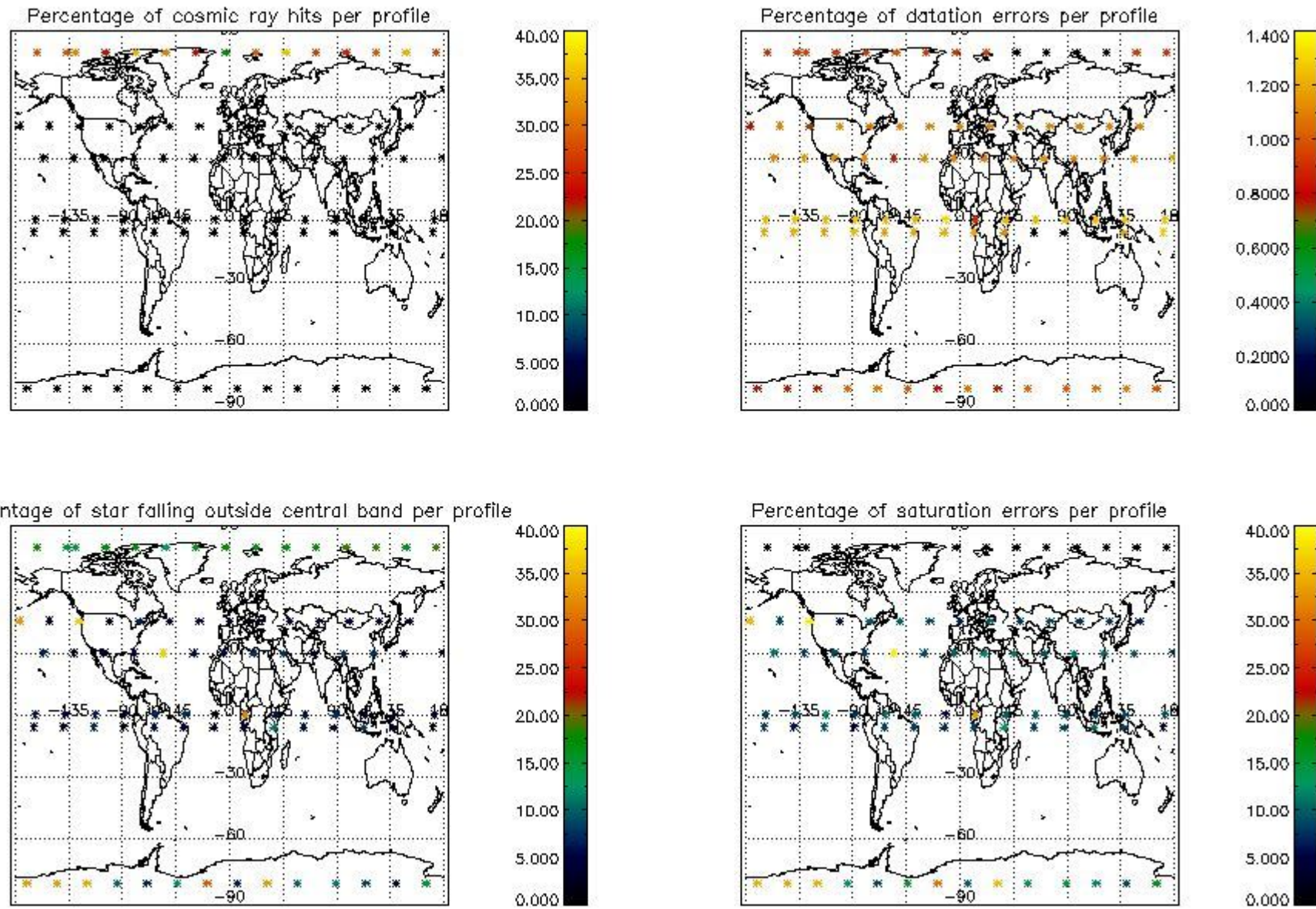


4.2 Plot quality information per product coming from level 1b processing (world map)

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

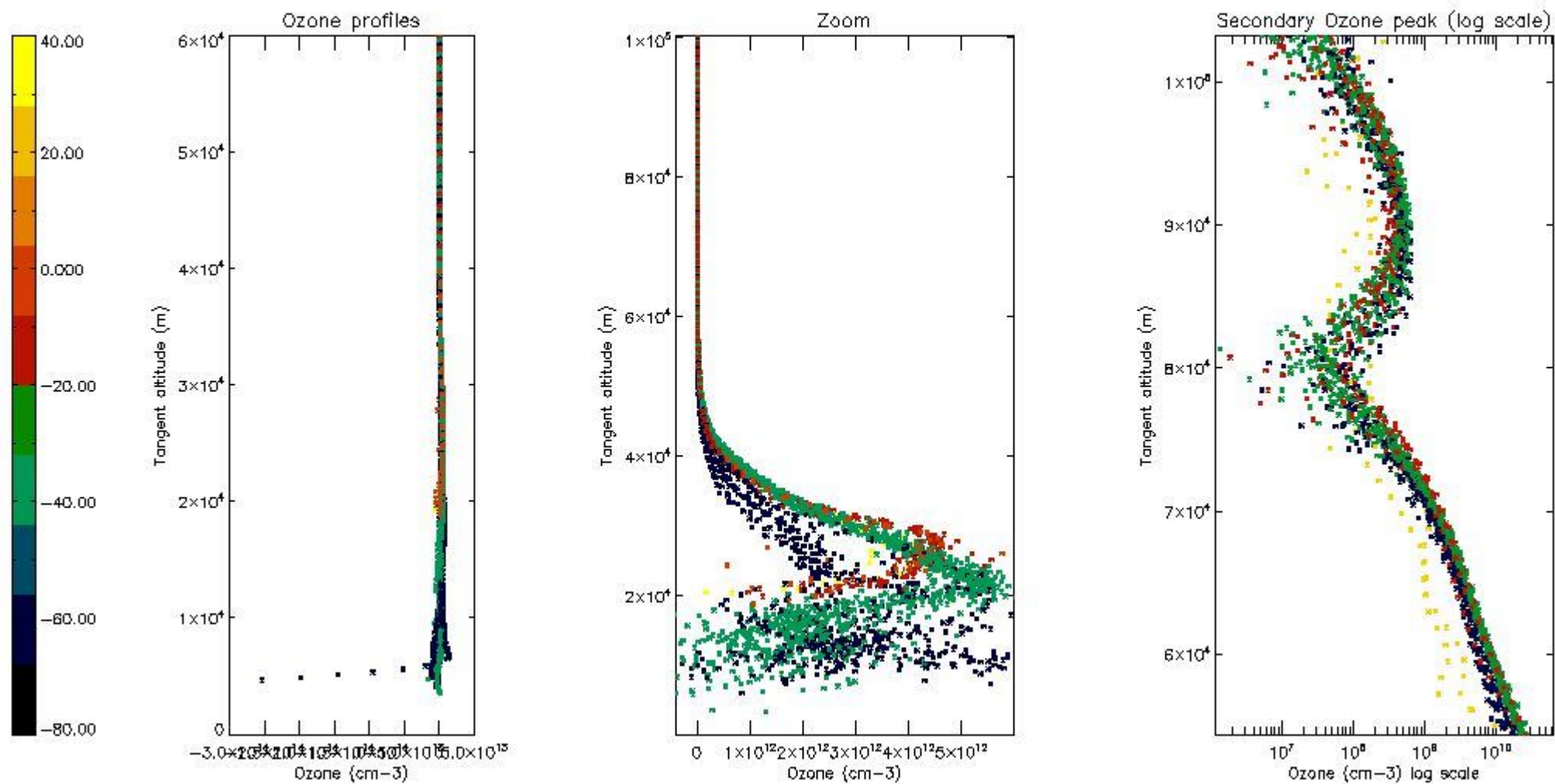
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	41
STD < 20	28

STD < 10	24
STD < 5	20

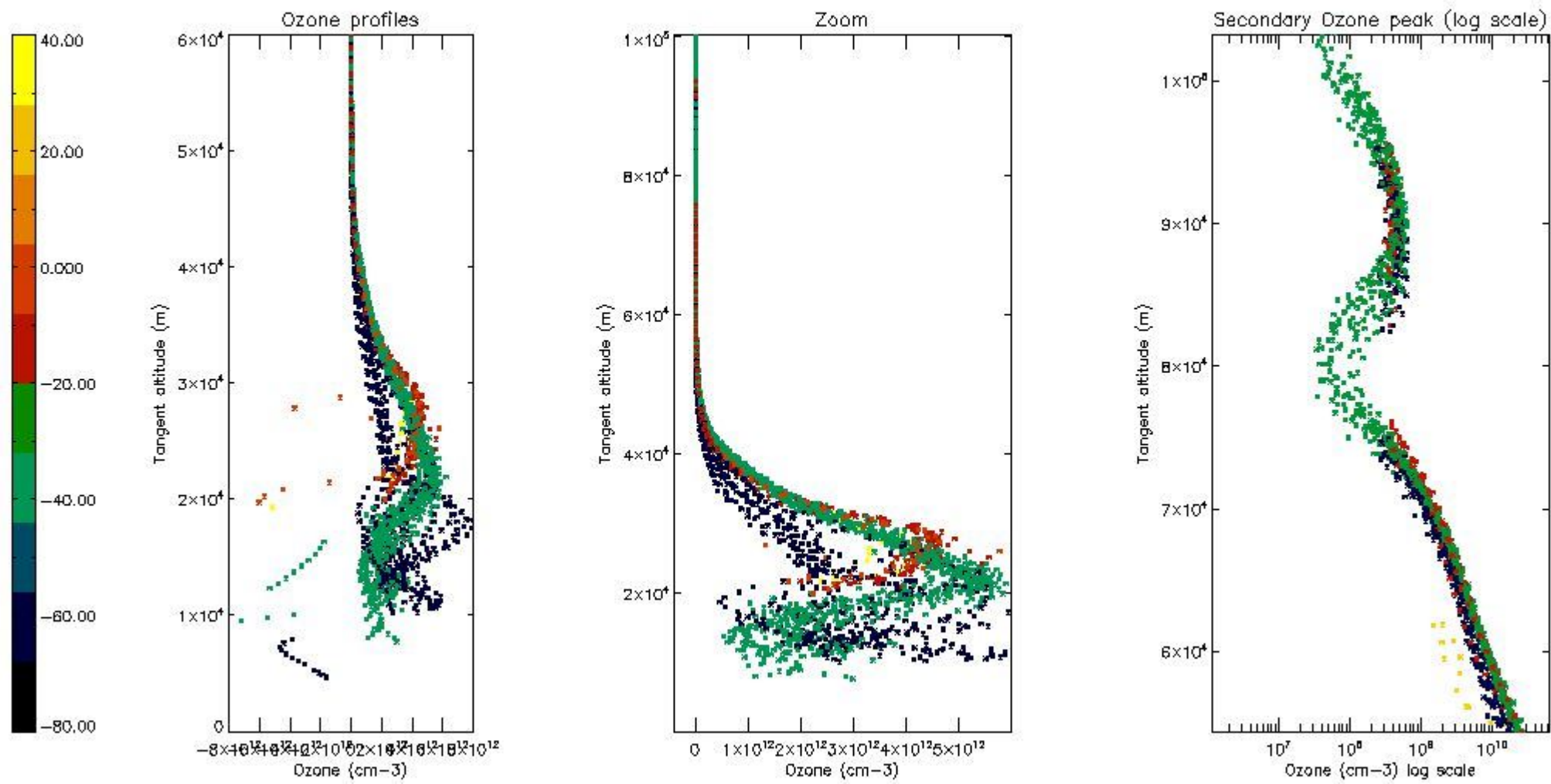
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



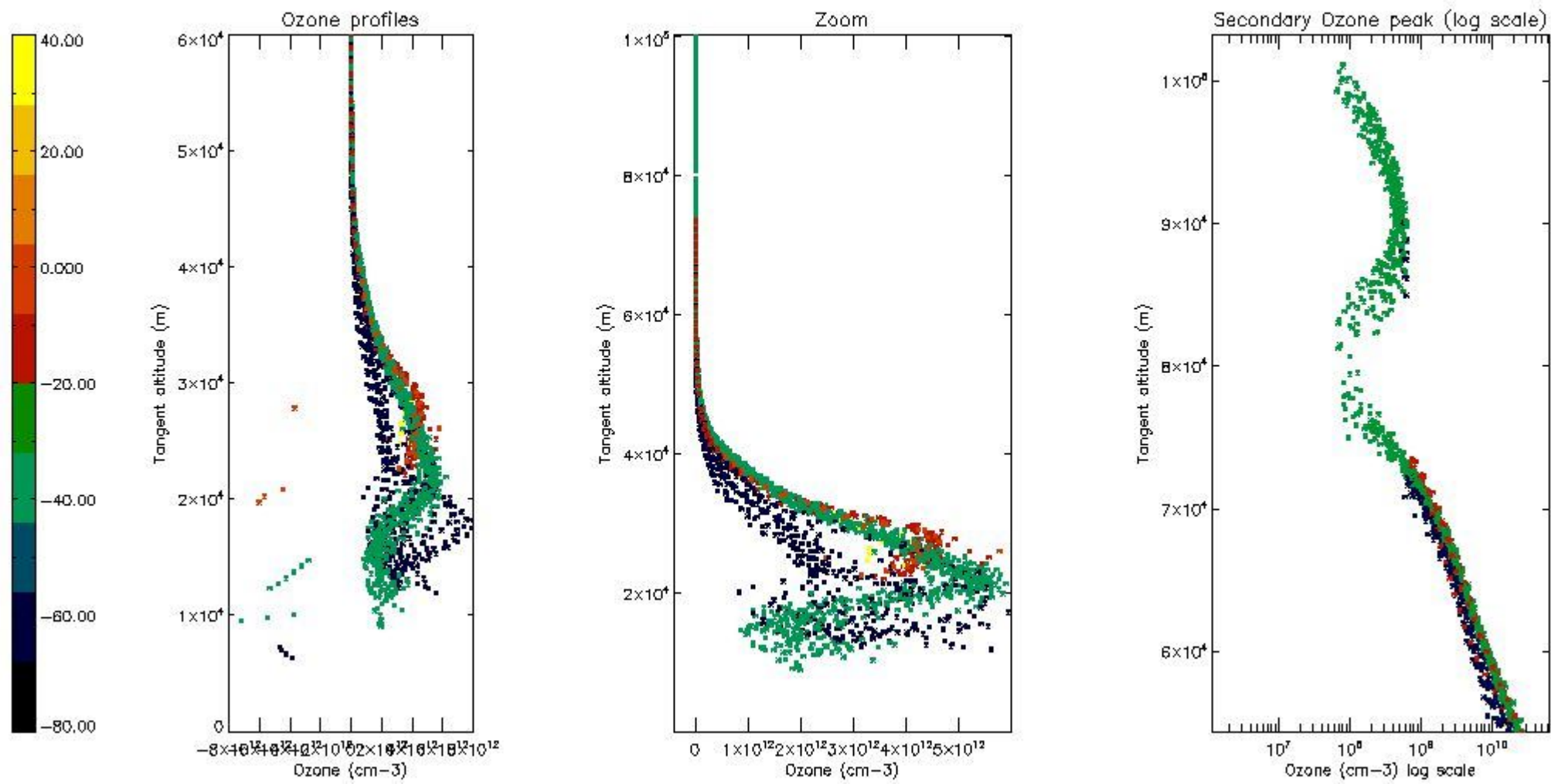
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



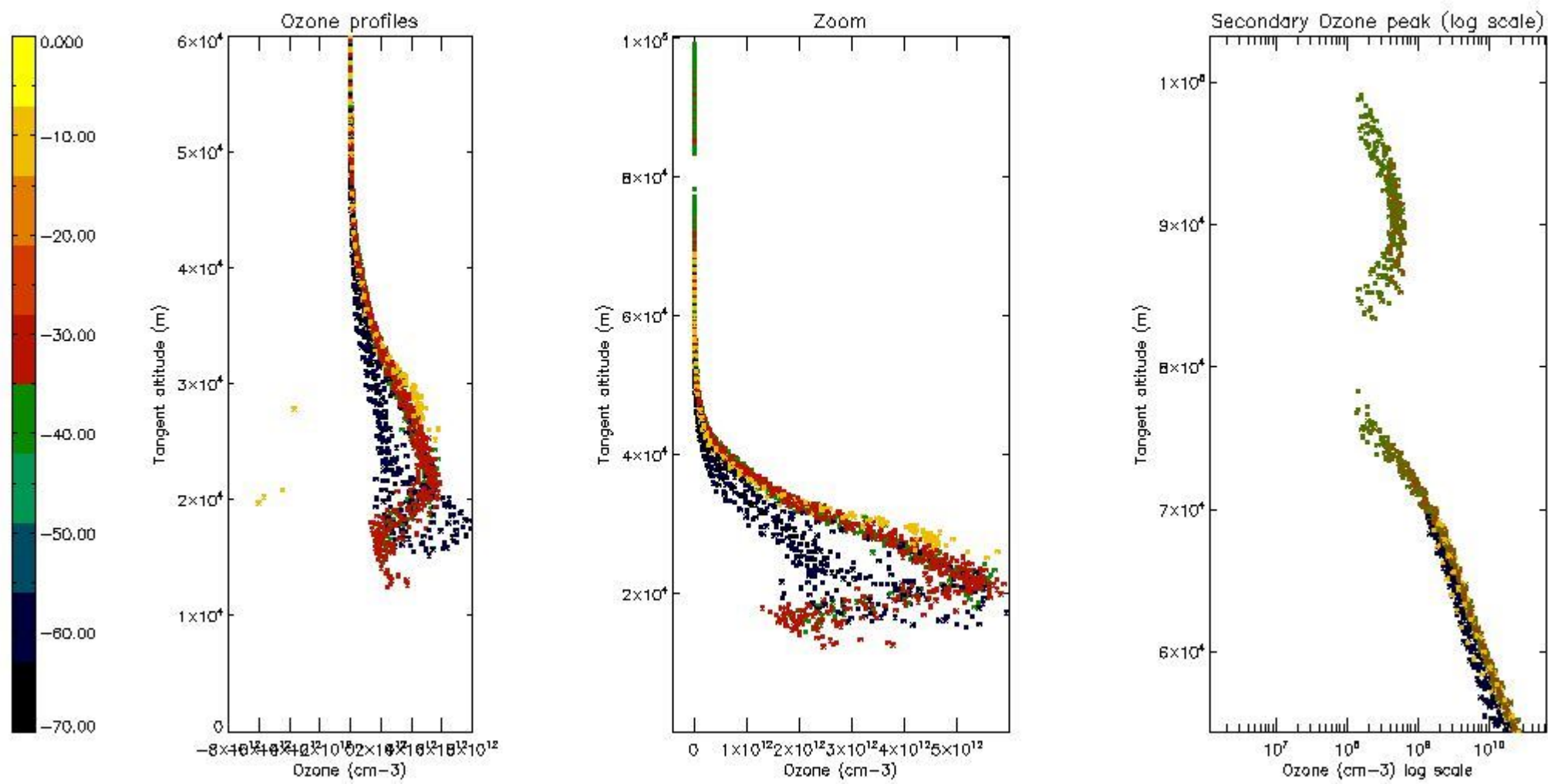
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



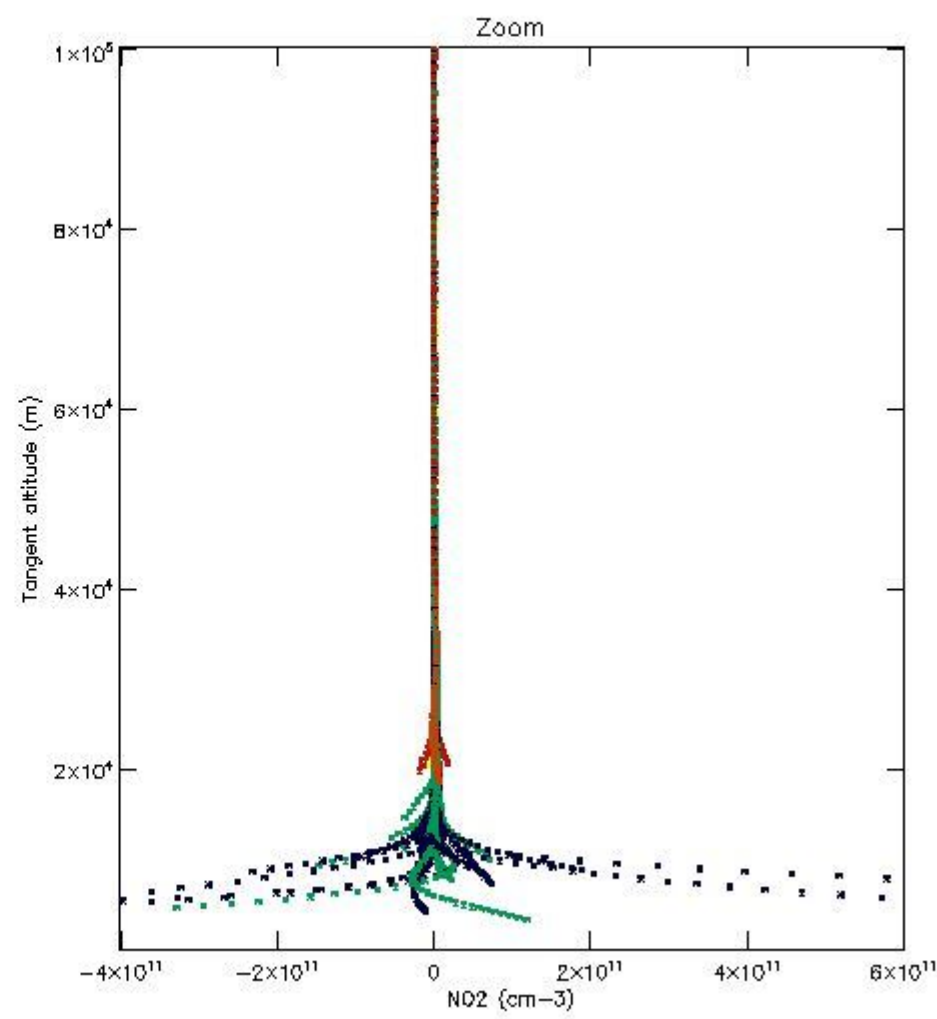
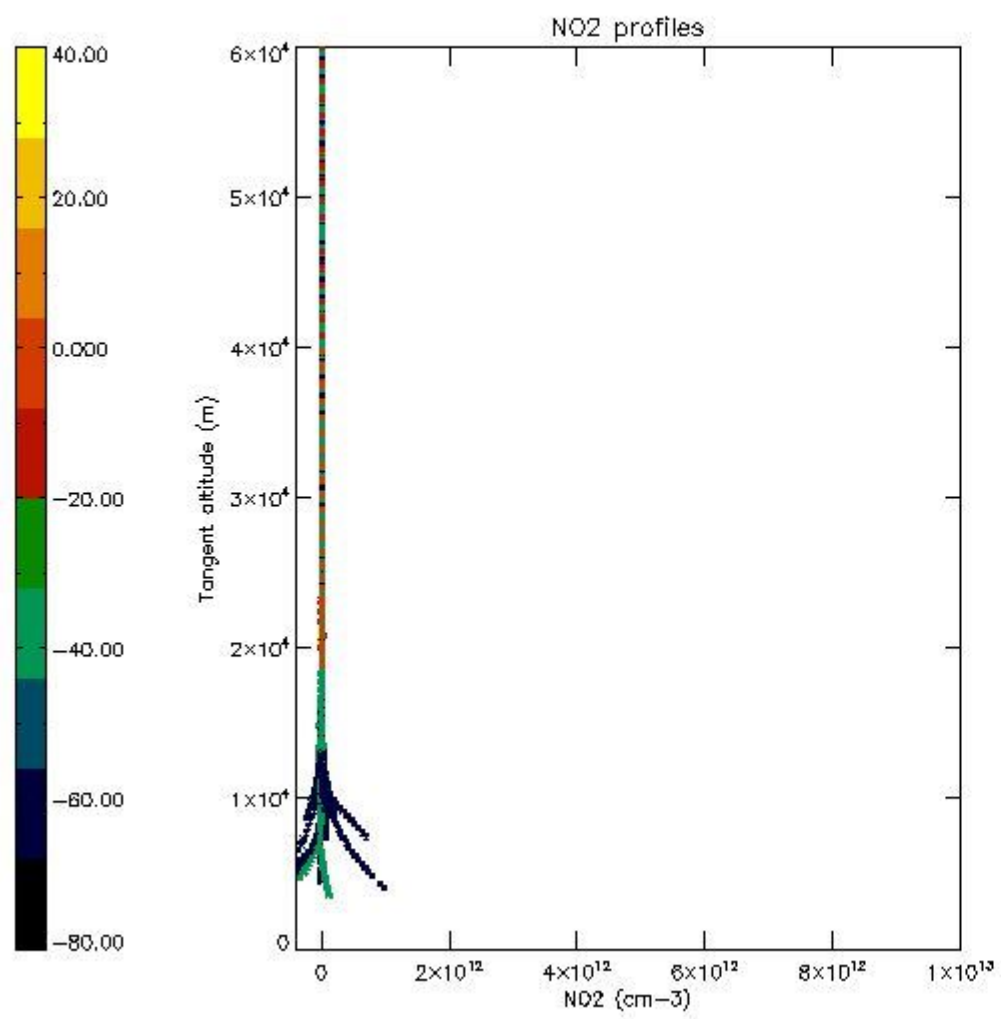
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



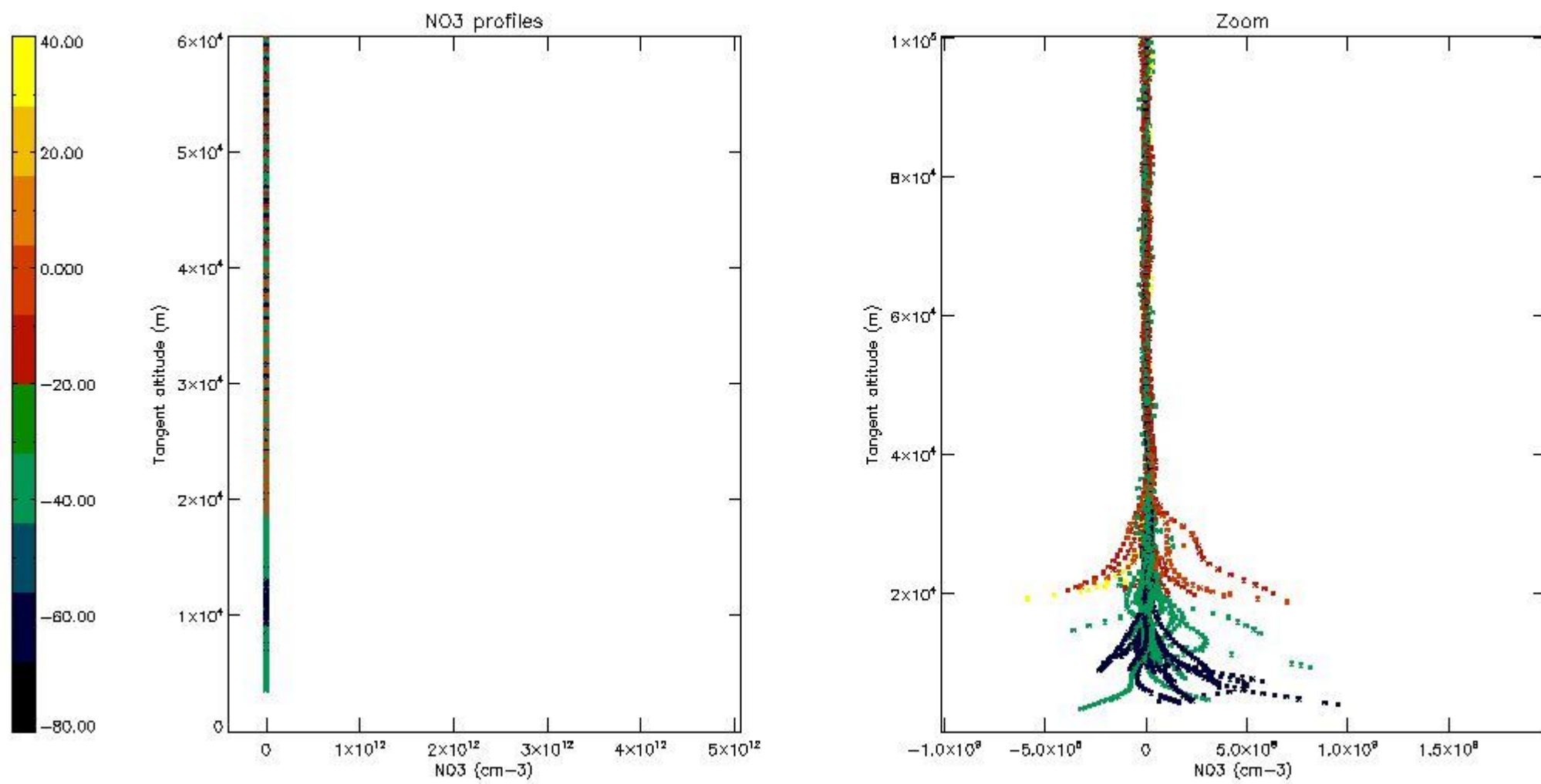
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



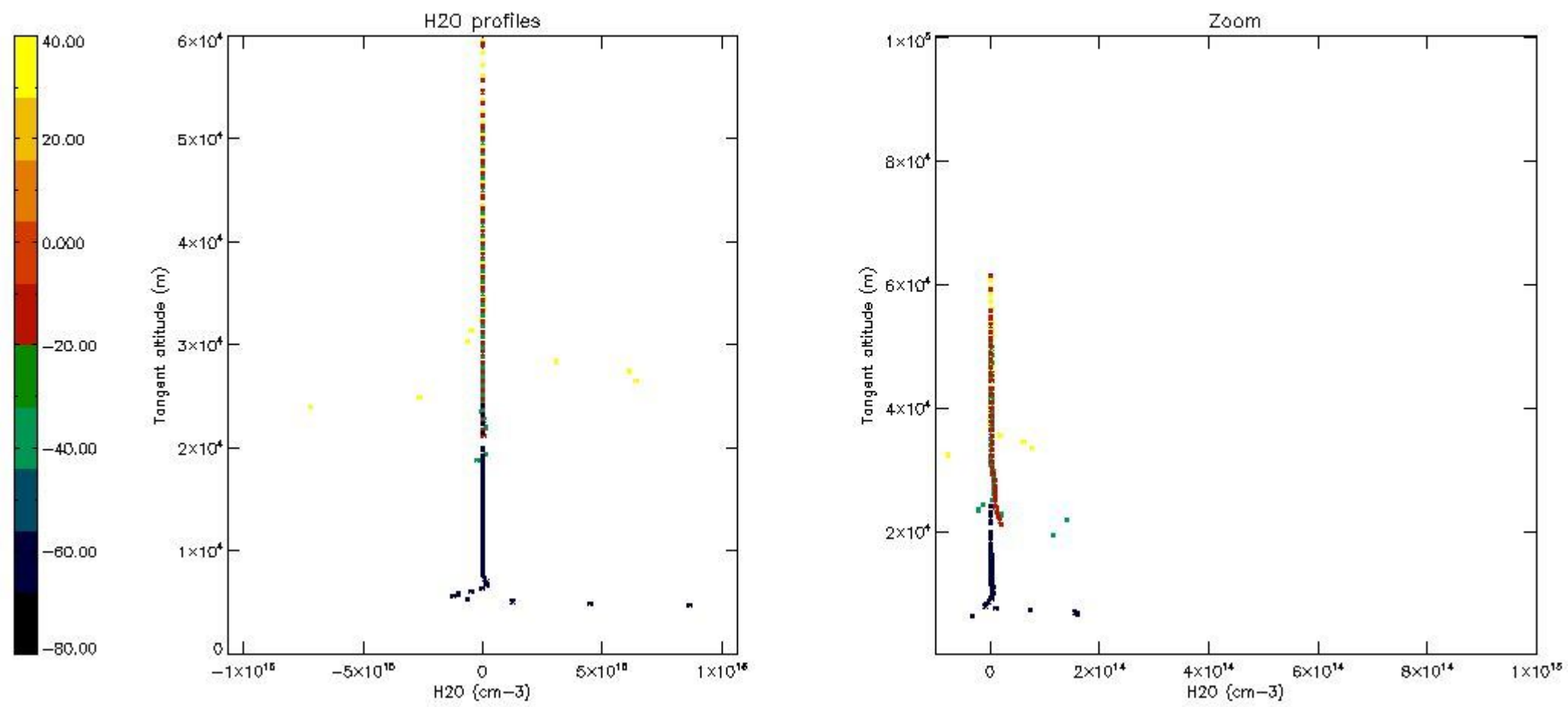
5.7 Plot NO₃ profiles for all STD (dark without errors)

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	19-SEP-2009 00:07:15
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	19-SEP-2009 00:07:15
CROSS_SECTIONS_FILE	GOM_CR2_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	19-SEP-2009 00:07:15

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[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	26APR2013 12:51:21
Data source version	GOMOS/6.01
Start time of products	19-09-2009 (19SEP2009 00:00:00)
Stop time of products	20-09-2009 (20SEP2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	152
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__2PRFIN20090919_000715_000000532082_00360_39492_7653.N1	19-SEP-2009 00:07:15	Dark	53.000	157	The1Eri	2.9060	9300.0	106	39492	No
2	GOM_NL__2PRFIN20090919_001958_000000542082_00360_39492_7654.N1	19-SEP-2009 00:19:58	Twilight	53.500	52	16Bet Cet	2.0370	4500.0	107	39492	No
3	GOM_NL__2PRFIN20090919_003149_000000462082_00360_39492_7655.N1	19-SEP-2009 00:31:49	Bright	46.000	140	88Gam Peg	2.8340	26000.	92	39492	No
4	GOM_NL__2PRFIN20090919_003613_000000452082_00360_39492_7656.N1	19-SEP-2009 00:36:13	Bright	44.500	58	21Alp And	2.0730	11000.	89	39492	No
5	GOM_NL__2PRFIN20090919_004432_000000402082_00360_39492_7657.N1	19-SEP-2009 00:44:32	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	39492	No
6	GOM_NL__2PRFIN20090919_004615_000000422082_00360_39492_7658.N1	19-SEP-2009 00:46:15	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	39492	No
7	GOM_NL__2PRFIN20090919_010912_000000492082_00360_39492_7659.N1	19-SEP-2009 01:09:12	Bright	48.500	24	66Alp Gem	1.5800	10200.	97	39492	No
8	GOM_NL__2PRFIN20090919_011812_000000662082_00360_39492_7660.N1	19-SEP-2009 01:18:12	Dark	65.500	8	10Alp CMi	0.40000	6500.0	131	39492	No
9	GOM_NL__2PRFIN20090919_012744_000000662082_00360_39492_7661.N1	19-SEP-2009 01:27:44	Dark	66.000	1	9Alp CMa	-1.4400	11000.	132	39492	No
10	GOM_NL__2PRFIN20090919_013602_000000522082_00361_39493_7670.N1	19-SEP-2009 01:36:02	Dark	52.000	108	Alp Col	2.6520	15200.	104	39493	No
11	GOM_NL__2PRFIN20090919_014751_000000552082_00361_39493_7671.N1	19-SEP-2009 01:47:51	Straylight	54.500	157	The1Eri	2.9060	9300.0	109	39493	No
12	GOM_NL__2PRFIN20090919_020034_000000562082_00361_39493_7672.N1	19-SEP-2009 02:00:34	Twilight	55.500	52	16Bet Cet	2.0370	4500.0	111	39493	No
13	GOM_NL__2PRFIN20090919_021224_000000462082_00361_39493_7673.N1	19-SEP-2009 02:12:24	Bright	46.000	140	88Gam Peg	2.8340	26000.	92	39493	No
14	GOM_NL__2PRFIN20090919_021648_000000462082_00361_39493_7674.N1	19-SEP-2009 02:16:48	Bright	46.000	58	21Alp And	2.0730	11000.	92	39493	No
15	GOM_NL__2PRFIN20090919_022508_000000402082_00361_39493_7675.N1	19-SEP-2009 02:25:08	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	39493	No
16	GOM_NL__2PRFIN20090919_022650_000000432082_00361_39493_7676.N1	19-SEP-2009 02:26:50	Bright	43.000	76	27Gam Cas	2.3000	30000.	86	39493	No
17	GOM_NL__2PRFIN20090919_024948_000000652082_00361_39493_7677.N1	19-SEP-2009 02:49:48	Bright	65.000	24	66Alp Gem	1.5800	10200.	130	39493	No
18	GOM_NL__2PRFIN20090919_025848_000000552082_00361_39493_7678.N1	19-SEP-2009 02:58:48	Dark	55.000	8	10Alp CMi	0.40000	6500.0	110	39493	No
19	GOM_NL__2PRFIN20090919_030821_000000672082_00361_39493_7679.N1	19-SEP-2009 03:08:21	Dark	67.000	1	9Alp CMa	-1.4400	11000.	134	39493	No
20	GOM_NL__2PRFIN20090919_031022_000000502082_00361_39493_7680.N1	19-SEP-2009 03:10:22	Dark	49.500	23	21Eps CMa	1.5020	26000.	99	39493	No
21	GOM_NL__2PRFIN20090919_031639_000000542082_00362_39494_7679.N1	19-SEP-2009 03:16:39	Dark	53.500	108	Alp Col	2.6520	15200.	107	39494	No
22	GOM_NL__2PRFIN20090919_032828_000000552082_00362_39494_7680.N1	19-SEP-2009 03:28:28	Straylight	54.500	157	The1Eri	2.9060	9300.0	109	39494	No
23	GOM_NL__2PRFIN20090919_034110_000000562082_00362_39494_7681.N1	19-SEP-2009 03:41:10	Twilight	55.500	52	16Bet Cet	2.0370	4500.0	111	39494	No
24	GOM_NL__2PRFIN20090919_035300_000000462082_00362_39494_7682.N1	19-SEP-2009 03:53:00	Bright	46.000	140	88Gam Peg	2.8340	26000.	92	39494	No
25	GOM_NL__2PRFIN20090919_035723_000000462082_00362_39494_7683.N1	19-SEP-2009 03:57:23	Bright	46.000	58	21Alp And	2.0730	11000.	92	39494	No
26	GOM_NL__2PRFIN20090919_040544_000000412082_00362_39494_7684.N1	19-SEP-2009 04:05:44	Bright	40.500	74	11Bet Cas	2.2680	6600.0	81	39494	No
27	GOM_NL__2PRFIN20090919_040726_000000422082_00362_39494_7685.N1	19-SEP-2009 04:07:26	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	39494	No
28	GOM_NL__2PRFIN20090919_043024_000000472082_00362_39494_7686.N1	19-SEP-2009 04:30:24	Bright	47.000	24	66Alp Gem	1.5800	10200.	94	39494	No
29	GOM_NL__2PRFIN20090919_043925_000000612082_00362_39494_7687.N1	19-SEP-2009 04:39:25	Dark	60.500	8	10Alp CMi	0.40000	6500.0	121	39494	No
30	GOM_NL__2PRFIN20090919_044858_000000632082_00362_39494_7688.N1	19-SEP-2009 04:48:58	Dark	63.000	1	9Alp CMa	-1.4400	11000.	126	39494	No
31	GOM_NL__2PRFIN20090919_045059_000000502082_00362_39494_7689.N1	19-SEP-2009 04:50:59	Dark	50.000	23	21Eps CMa	1.5020	26000.	100	39494	No
32	GOM_NL__2PRFIN20090919_045717_000000532082_00363_39495_7705.N1	19-SEP-2009 04:57:17	Dark	52.500	108	Alp Col	2.6520	15200.	105	39495	No
33	GOM_NL__2PRFIN20090919_050905_000000542082_00363_39495_7706.N1	19-SEP-2009 05:09:05	Straylight	54.000	157	The1Eri	2.9060	9300.0	108	39495	No
34	GOM_NL__2PRFIN20090919_052146_000000542082_00363_39495_7707.N1	19-SEP-2009 05:21:46	Twilight	53.500	52	16Bet Cet	2.0370	4500.0	107	39495	No
35	GOM_NL__2PRFIN20090919_053335_000000462082_00363_39495_7708.N1	19-SEP-2009 05:33:35	Bright	46.000	140	88Gam Peg	2.8340	26000.	92	39495	No
36	GOM_NL__2PRFIN20090919_053759_000000442082_00363_39495_7709.N1	19-SEP-2009 05:37:59	Bright	44.000	58	21Alp And	2.0730	11000.	88	39495	No
37	GOM_NL__2PRFIN20090919_054619_000000412082_00363_39495_7710.N1	19-SEP-2009 05:46:19	Bright	40.500	74	11Bet Cas	2.2680	6600.0	81	39495	No
38	GOM_NL__2PRFIN20090919_054801_000000422082_00363_39495_7711.N1	19-SEP-2009 05:48:01	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	39495	No
39	GOM_NL__2PRFIN20090919_061100_000000612082_00363_39495_7712.N1	19-SEP-2009 06:11:00	Bright	61.000	24	66Alp Gem	1.5800	10200.	122	39495	No
40	GOM_NL__2PRFIN20090919_062002_000000662082_00363_39495_7713.N1	19-SEP-2009 06:20:02	Dark	65.500	8	10Alp CMi	0.40000	6500.0	131	39495	No
41	GOM_NL__2PRFIN20090919_062935_000000732082_00363_39495_7714.N1	19-SEP-2009 06:29:35	Dark	73.000	1	9Alp CMa	-1.4400	11000.	146	39495	No
42	GOM_NL__2PRFIN20090919_063136_000000502082_00363_39495_7715.N1	19-SEP-2009 06:31:36	Dark	49.500	23	21Eps CMa	1.5020	26000.	99	39495	No

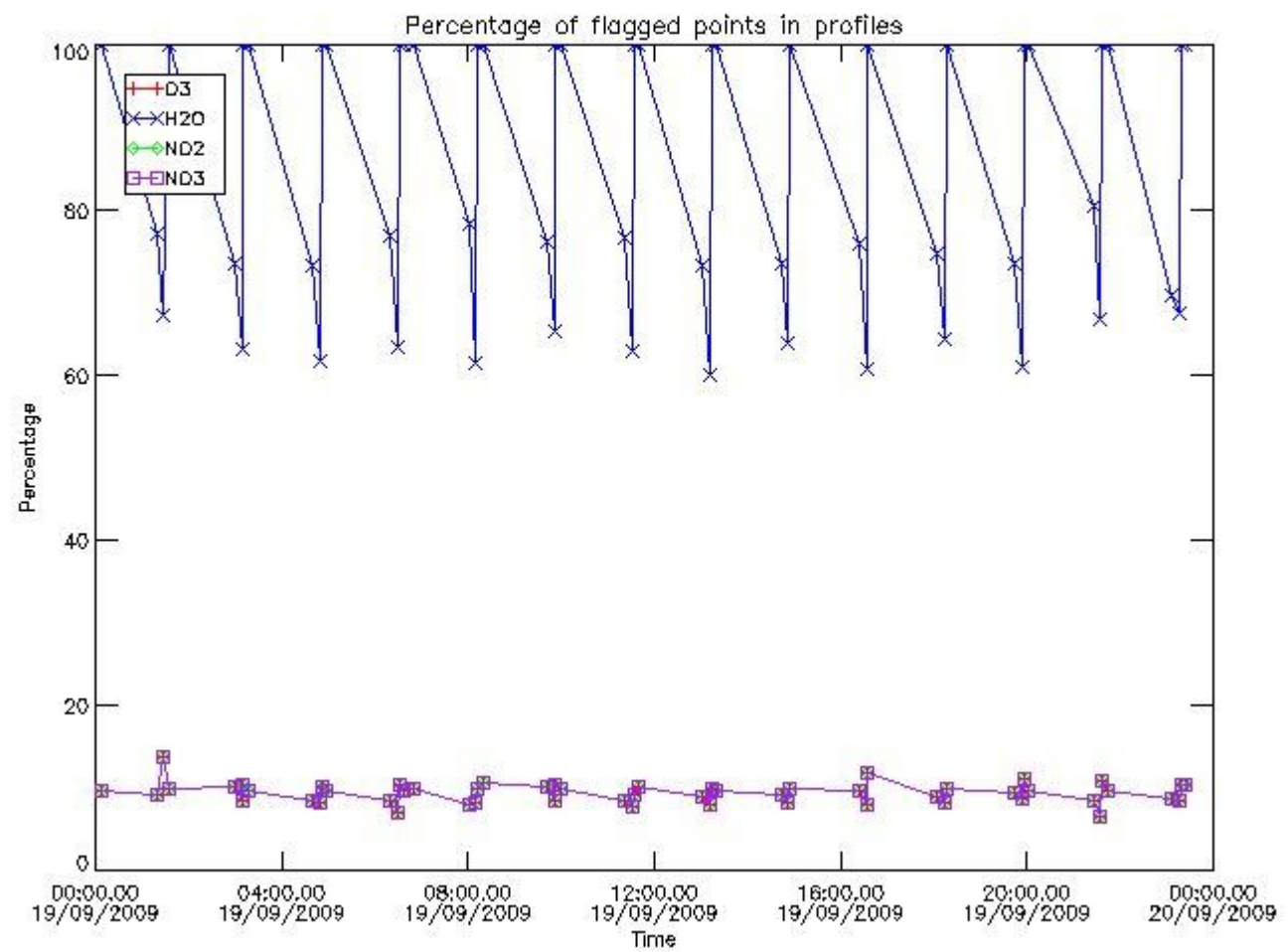
43	GOM_NL__2PRFIN20090919_063754_000000532082_00364_39496_7739.N1	19-SEP-2009 06:37:54	Dark	53.000	108	Alp Col	2.6520	15200.	106	39496	No
44	GOM_NL__2PRFIN20090919_064942_000000522082_00364_39496_7740.N1	19-SEP-2009 06:49:42	Dark	52.000	157	The1Eri	2.9060	9300.0	104	39496	No
45	GOM_NL__2PRFIN20090919_070222_000000542082_00364_39496_7741.N1	19-SEP-2009 07:02:22	Twl_and_stray	54.000	52	16Bet Cet	2.0370	4500.0	108	39496	No
46	GOM_NL__2PRFIN20090919_071411_000000462082_00364_39496_7742.N1	19-SEP-2009 07:14:11	Bright	45.500	140	88Gam Peg	2.8340	26000.	91	39496	No
47	GOM_NL__2PRFIN20090919_071834_000000462082_00364_39496_7743.N1	19-SEP-2009 07:18:34	Bright	46.000	58	21Alp And	2.0730	11000.	92	39496	No
48	GOM_NL__2PRFIN20090919_072655_000000412082_00364_39496_7744.N1	19-SEP-2009 07:26:55	Bright	40.500	74	11Bet Cas	2.2680	6600.0	81	39496	No
49	GOM_NL__2PRFIN20090919_072837_000000452082_00364_39496_7745.N1	19-SEP-2009 07:28:37	Bright	45.000	76	27Gam Cas	2.3000	30000.	90	39496	No
50	GOM_NL__2PRFIN20090919_075136_000000502082_00364_39496_7746.N1	19-SEP-2009 07:51:36	Bright	50.000	24	66Alp Gem	1.5800	10200.	100	39496	No
51	GOM_NL__2PRFIN20090919_080038_000000652082_00364_39496_7747.N1	19-SEP-2009 08:00:38	Dark	65.000	8	10Alp CMi	0.40000	6500.0	130	39496	No
52	GOM_NL__2PRFIN20090919_081013_000000632082_00364_39496_7748.N1	19-SEP-2009 08:10:13	Dark	62.500	1	9Alp CMa	-1.4400	11000.	125	39496	No
53	GOM_NL__2PRFIN20090919_081213_000000512082_00364_39496_7749.N1	19-SEP-2009 08:12:13	Dark	51.000	23	21Eps CMa	1.5020	26000.	102	39496	No
54	GOM_NL__2PRFIN20090919_081831_000000532082_00365_39497_7753.N1	19-SEP-2009 08:18:31	Dark	52.500	108	Alp Col	2.6520	15200.	105	39497	No
55	GOM_NL__2PRFIN20090919_083019_000000532082_00365_39497_7754.N1	19-SEP-2009 08:30:19	Straylight	52.500	157	The1Eri	2.9060	9300.0	105	39497	No
56	GOM_NL__2PRFIN20090919_084258_000000542082_00365_39497_7755.N1	19-SEP-2009 08:42:58	Twl_and_stray	54.000	52	16Bet Cet	2.0370	4500.0	108	39497	No
57	GOM_NL__2PRFIN20090919_085446_000000462082_00365_39497_7756.N1	19-SEP-2009 08:54:46	Bright	46.000	140	88Gam Peg	2.8340	26000.	92	39497	No
58	GOM_NL__2PRFIN20090919_085910_000000462082_00365_39497_7757.N1	19-SEP-2009 08:59:10	Bright	46.000	58	21Alp And	2.0730	11000.	92	39497	No
59	GOM_NL__2PRFIN20090919_090730_000000562082_00365_39497_7758.N1	19-SEP-2009 09:07:30	Bright	55.500	74	11Bet Cas	2.2680	6600.0	111	39497	No
60	GOM_NL__2PRFIN20090919_090912_000000422082_00365_39497_7759.N1	19-SEP-2009 09:09:12	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	39497	No
61	GOM_NL__2PRFIN20090919_093212_000000472082_00365_39497_7760.N1	19-SEP-2009 09:32:12	Bright	46.500	24	66Alp Gem	1.5800	10200.	93	39497	No
62	GOM_NL__2PRFIN20090919_094115_000000552082_00365_39497_7761.N1	19-SEP-2009 09:41:15	Dark	55.000	8	10Alp CMi	0.40000	6500.0	110	39497	No
63	GOM_NL__2PRFIN20090919_095050_000000612082_00365_39497_7762.N1	19-SEP-2009 09:50:50	Dark	61.000	1	9Alp CMa	-1.4400	11000.	122	39497	No
64	GOM_NL__2PRFIN20090919_095250_000000492082_00365_39497_7763.N1	19-SEP-2009 09:52:50	Dark	49.000	23	21Eps CMa	1.5020	26000.	98	39497	No
65	GOM_NL__2PRFIN20090919_095908_000000522082_00366_39498_7767.N1	19-SEP-2009 09:59:08	Dark	52.000	108	Alp Col	2.6520	15200.	104	39498	No
66	GOM_NL__2PRFIN20090919_101056_000000542082_00366_39498_7768.N1	19-SEP-2009 10:10:56	Straylight	54.000	157	The1Eri	2.9060	9300.0	108	39498	No
67	GOM_NL__2PRFIN20090919_102334_000000542082_00366_39498_7769.N1	19-SEP-2009 10:23:34	Twl_and_stray	54.000	52	16Bet Cet	2.0370	4500.0	108	39498	No
68	GOM_NL__2PRFIN20090919_103522_000000452082_00366_39498_7770.N1	19-SEP-2009 10:35:22	Bright	45.000	140	88Gam Peg	2.8340	26000.	90	39498	No
69	GOM_NL__2PRFIN20090919_103945_000000452082_00366_39498_7771.N1	19-SEP-2009 10:39:45	Bright	45.000	58	21Alp And	2.0730	11000.	90	39498	No
70	GOM_NL__2PRFIN20090919_104806_000000382082_00366_39498_7772.N1	19-SEP-2009 10:48:06	Bright	38.000	74	11Bet Cas	2.2680	6600.0	76	39498	No
71	GOM_NL__2PRFIN20090919_104948_000000422082_00366_39498_7773.N1	19-SEP-2009 10:49:48	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	39498	No
72	GOM_NL__2PRFIN20090919_111248_000000492082_00366_39498_7774.N1	19-SEP-2009 11:12:48	Bright	48.500	24	66Alp Gem	1.5800	10200.	97	39498	No
73	GOM_NL__2PRFIN20090919_112151_000000612082_00366_39498_7775.N1	19-SEP-2009 11:21:51	Dark	60.500	8	10Alp CMi	0.40000	6500.0	121	39498	No
74	GOM_NL__2PRFIN20090919_113127_000000672082_00366_39498_7776.N1	19-SEP-2009 11:31:27	Dark	66.500	1	9Alp CMa	-1.4400	11000.	133	39498	No
75	GOM_NL__2PRFIN20090919_113327_000000552082_00366_39498_7777.N1	19-SEP-2009 11:33:27	Dark	55.000	23	21Eps CMa	1.5020	26000.	110	39498	No
76	GOM_NL__2PRFIN20090919_113946_000000512082_00367_39499_7781.N1	19-SEP-2009 11:39:46	Dark	50.500	108	Alp Col	2.6520	15200.	101	39499	No
77	GOM_NL__2PRFIN20090919_115133_000000542082_00367_39499_7782.N1	19-SEP-2009 11:51:33	Straylight	53.500	157	The1Eri	2.9060	9300.0	107	39499	No
78	GOM_NL__2PRFIN20090919_120410_000000542082_00367_39499_7783.N1	19-SEP-2009 12:04:10	Twl_and_stray	53.500	52	16Bet Cet	2.0370	4500.0	107	39499	No
79	GOM_NL__2PRFIN20090919_121557_000000462082_00367_39499_7784.N1	19-SEP-2009 12:15:57	Bright	46.000	140	88Gam Peg	2.8340	26000.	92	39499	No
80	GOM_NL__2PRFIN20090919_122020_000000452082_00367_39499_7785.N1	19-SEP-2009 12:20:20	Bright	44.500	58	21Alp And	2.0730	11000.	89	39499	No
81	GOM_NL__2PRFIN20090919_122841_000000412082_00367_39499_7786.N1	19-SEP-2009 12:28:41	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	39499	No
82	GOM_NL__2PRFIN20090919_123023_000000422082_00367_39499_7787.N1	19-SEP-2009 12:30:23	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	39499	No
83	GOM_NL__2PRFIN20090919_125324_000000652082_00367_39499_7788.N1	19-SEP-2009 12:53:24	Bright	65.000	24	66Alp Gem	1.5800	10200.	130	39499	No
84	GOM_NL__2PRFIN20090919_130228_000000572082_00367_39499_7789.N1	19-SEP-2009 13:02:28	Dark	56.500	8	10Alp CMi	0.40000	6500.0	113	39499	No
85	GOM_NL__2PRFIN20090919_131204_000000642082_00367_39499_7790.N1	19-SEP-2009 13:12:04	Dark	64.000	1	9Alp CMa	-1.4400	11000.	128	39499	No
86	GOM_NL__2PRFIN20090919_131403_000000522082_00367_39499_7791.N1	19-SEP-2009 13:14:03	Dark	52.000	23	21Eps CMa	1.5020	26000.	104	39499	No
87	GOM_NL__2PRFIN20090919_132023_000000532082_00368_39500_7795.N1	19-SEP-2009 13:20:23	Dark	53.000	108	Alp Col	2.6520	15200.	106	39500	No
88	GOM_NL__2PRFIN20090919_133210_000000532082_00368_39500_7796.N1	19-SEP-2009 13:32:10	Straylight	53.000	157	The1Eri	2.9060	9300.0	106	39500	No
89	GOM_NL__2PRFIN20090919_134446_000000542082_00368_39500_7797.N1	19-SEP-2009 13:44:46	Twl_and_stray	53.500	52	16Bet Cet	2.0370	4500.0	107	39500	No
90	GOM_NL__2PRFIN20090919_135633_000000462082_00368_39500_7798.N1	19-SEP-2009 13:56:33	Bright	46.000	140	88Gam Peg	2.8340	26000.	92	39500	No
91	GOM_NL__2PRFIN20090919_140055_000000662082_00368_39500_7799.N1	19-SEP-2009 14:00:55	Bright	66.000	58	21Alp And	2.0730	11000.	132	39500	No
92	GOM_NL__2PRFIN20090919_140917_000000412082_00368_39500_7800.N1	19-SEP-2009 14:09:17	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	39500	No
93	GOM_NL__2PRFIN20090919_141058_000000432082_00368_39500_7801.N1	19-SEP-2009 14:10:58	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	39500	No
94	GOM_NL__2PRFIN20090919_143400_000000652082_00368_39500_7802.N1	19-SEP-2009 14:34:00	Bright	65.000	24	66Alp Gem	1.5800	10200.	130	39500	No
95	GOM_NL__2PRFIN20090919_144304_000000612082_00368_39500_7803.N1	19-SEP-2009 14:43:04	Dark	61.000	8	10Alp CMi	0.40000	6500.0	122	39500	No
96	GOM_NL__2PRFIN20090919_145241_000000622082_00368_39500_7804.N1	19-SEP-2009 14:52:41	Dark	61.500	1	9Alp CMa	-1.4400	11000.	123	39500	No
97	GOM_NL__2PRFIN20090919_145440_000000522082_00368_39500_7805.N1	19-SEP-2009 14:54:40	Dark	52.000	23	21Eps CMa	1.5020	26000.	104	39500	No
98	GOM_NL__2PRFIN20090919_151246_000000532082_00369_39501_7810.N1	19-SEP-2009 15:12:46	Straylight	52.500	157	The1Eri	2.9060	9300.0	105	39501	No
99	GOM_NL__2PRFIN20090919_152522_000000552082_00369_39501_7811.N1	19-SEP-2009 15:25:22	Twl_and_stray	55.000	52	16Bet Cet	2.0370	4500.0	110	39501	No
100	GOM_NL__2PRFIN20090919_153708_000000472082_00369_39501_7812.N1	19-SEP-2009 15:37:08	Bright	46.500	140	88Gam Peg	2.8340	26000.	93	39501	No
101	GOM_NL__2PRFIN20090919_154131_000000452082_00369_39501_7813.N1	19-SEP-2009 15:41:31	Bright	44.500	58	21Alp And	2.0730	11000.	89	39501	No

102	GOM_NL__2PRFIN20090919_154952_000000402082_00369_39501_7814.N1	19-SEP-2009 15:49:52	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	39501	No
103	GOM_NL__2PRFIN20090919_155134_000000412082_00369_39501_7815.N1	19-SEP-2009 15:51:34	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	39501	No
104	GOM_NL__2PRFIN20090919_161436_000000652082_00369_39501_7816.N1	19-SEP-2009 16:14:36	Bright	65.000	24	66Alp Gem	1.5800	10200.	130	39501	No
105	GOM_NL__2PRFIN20090919_162341_000000592082_00369_39501_7817.N1	19-SEP-2009 16:23:41	Dark	58.500	8	10Alp CMi	0.40000	6500.0	117	39501	No
106	GOM_NL__2PRFIN20090919_163318_000000642082_00369_39501_7818.N1	19-SEP-2009 16:33:18	Dark	64.000	1	9Alp CMA	-1.4400	11000.	128	39501	No
107	GOM_NL__2PRFIN20090919_163517_000000472082_00369_39501_7819.N1	19-SEP-2009 16:35:17	Dark	47.000	23	21Eps CMA	1.5020	26000.	94	39501	No
108	GOM_NL__2PRFIN20090919_165323_000000532082_00370_39502_7826.N1	19-SEP-2009 16:53:23	Straylight	52.500	157	The1Eri	2.9060	9300.0	105	39502	No
109	GOM_NL__2PRFIN20090919_170559_000000542082_00370_39502_7827.N1	19-SEP-2009 17:05:59	Tw_i_and_stray	54.000	52	16Bet Cet	2.0370	4500.0	108	39502	No
110	GOM_NL__2PRFIN20090919_171743_000000452082_00370_39502_7828.N1	19-SEP-2009 17:17:43	Bright	44.500	140	88Gam Peg	2.8340	26000.	89	39502	No
111	GOM_NL__2PRFIN20090919_172206_000000452082_00370_39502_7829.N1	19-SEP-2009 17:22:06	Bright	44.500	58	21Alp And	2.0730	11000.	89	39502	No
112	GOM_NL__2PRFIN20090919_173028_000000412082_00370_39502_7830.N1	19-SEP-2009 17:30:28	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	39502	No
113	GOM_NL__2PRFIN20090919_173209_000000432082_00370_39502_7831.N1	19-SEP-2009 17:32:09	Bright	43.000	76	27Gam Cas	2.3000	30000.	86	39502	No
114	GOM_NL__2PRFIN20090919_175512_000000512082_00370_39502_7832.N1	19-SEP-2009 17:55:12	Bright	51.000	24	66Alp Gem	1.5800	10200.	102	39502	No
115	GOM_NL__2PRFIN20090919_180417_000000582082_00370_39502_7833.N1	19-SEP-2009 18:04:17	Dark	57.500	8	10Alp CMi	0.40000	6500.0	115	39502	No
116	GOM_NL__2PRFIN20090919_181355_000000622082_00370_39502_7834.N1	19-SEP-2009 18:13:55	Dark	62.000	1	9Alp CMA	-1.4400	11000.	124	39502	No
117	GOM_NL__2PRFIN20090919_181554_000000512082_00370_39502_7835.N1	19-SEP-2009 18:15:54	Dark	51.000	23	21Eps CMA	1.5020	26000.	102	39502	No
118	GOM_NL__2PRFIN20090919_183400_000000532082_00371_39503_7843.N1	19-SEP-2009 18:34:00	Straylight	53.000	157	The1Eri	2.9060	9300.0	106	39503	No
119	GOM_NL__2PRFIN20090919_184635_000000522082_00371_39503_7844.N1	19-SEP-2009 18:46:35	Tw_i_and_stray	51.500	52	16Bet Cet	2.0370	4500.0	103	39503	No
120	GOM_NL__2PRFIN20090919_185819_000000682082_00371_39503_7845.N1	19-SEP-2009 18:58:19	Bright	68.000	140	88Gam Peg	2.8340	26000.	136	39503	No
121	GOM_NL__2PRFIN20090919_190242_000000442082_00371_39503_7846.N1	19-SEP-2009 19:02:42	Bright	43.500	58	21Alp And	2.0730	11000.	87	39503	No
122	GOM_NL__2PRFIN20090919_191103_000000402082_00371_39503_7847.N1	19-SEP-2009 19:11:03	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	39503	No
123	GOM_NL__2PRFIN20090919_191244_000000422082_00371_39503_7848.N1	19-SEP-2009 19:12:44	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	39503	No
124	GOM_NL__2PRFIN20090919_193549_000000462082_00371_39503_7849.N1	19-SEP-2009 19:35:49	Bright	46.000	24	66Alp Gem	1.5800	10200.	92	39503	No
125	GOM_NL__2PRFIN20090919_194454_000000592082_00371_39503_7850.N1	19-SEP-2009 19:44:54	Dark	59.000	8	10Alp CMi	0.40000	6500.0	118	39503	No
126	GOM_NL__2PRFIN20090919_195432_000000652082_00371_39503_7851.N1	19-SEP-2009 19:54:32	Dark	64.500	1	9Alp CMA	-1.4400	11000.	129	39503	No
127	GOM_NL__2PRFIN20090919_195631_000000462082_00371_39503_7852.N1	19-SEP-2009 19:56:31	Dark	46.000	23	21Eps CMA	1.5020	26000.	92	39503	No
128	GOM_NL__2PRFIN20090919_200252_000000542082_00372_39504_7860.N1	19-SEP-2009 20:02:52	Dark	53.500	108	Alp Col	2.6520	15200.	107	39504	No
129	GOM_NL__2PRFIN20090919_201437_000000532082_00372_39504_7861.N1	19-SEP-2009 20:14:37	Straylight	52.500	157	The1Eri	2.9060	9300.0	105	39504	No
130	GOM_NL__2PRFIN20090919_202711_000000552082_00372_39504_7862.N1	19-SEP-2009 20:27:11	Tw_i_and_stray	54.500	52	16Bet Cet	2.0370	4500.0	109	39504	No
131	GOM_NL__2PRFIN20090919_203854_000000462082_00372_39504_7863.N1	19-SEP-2009 20:38:54	Bright	45.500	140	88Gam Peg	2.8340	26000.	91	39504	No
132	GOM_NL__2PRFIN20090919_204317_000000452082_00372_39504_7864.N1	19-SEP-2009 20:43:17	Bright	45.000	58	21Alp And	2.0730	11000.	90	39504	No
133	GOM_NL__2PRFIN20090919_205139_000000412082_00372_39504_7865.N1	19-SEP-2009 20:51:39	Bright	40.500	74	11Bet Cas	2.2680	6600.0	81	39504	No
134	GOM_NL__2PRFIN20090919_205320_000000422082_00372_39504_7866.N1	19-SEP-2009 20:53:20	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	39504	No
135	GOM_NL__2PRFIN20090919_211625_000000482082_00372_39504_7867.N1	19-SEP-2009 21:16:25	Bright	47.500	24	66Alp Gem	1.5800	10200.	95	39504	No
136	GOM_NL__2PRFIN20090919_212531_000000672082_00372_39504_7868.N1	19-SEP-2009 21:25:31	Dark	66.500	8	10Alp CMi	0.40000	6500.0	133	39504	No
137	GOM_NL__2PRFIN20090919_213510_000000772082_00372_39504_7869.N1	19-SEP-2009 21:35:10	Dark	77.000	1	9Alp CMA	-1.4400	11000.	154	39504	No
138	GOM_NL__2PRFIN20090919_213708_000000472082_00372_39504_7870.N1	19-SEP-2009 21:37:08	Dark	47.000	23	21Eps CMA	1.5020	26000.	94	39504	No
139	GOM_NL__2PRFIN20090919_214329_000000532082_00373_39505_7875.N1	19-SEP-2009 21:43:29	Dark	52.500	108	Alp Col	2.6520	15200.	105	39505	No
140	GOM_NL__2PRFIN20090919_215514_000000532082_00373_39505_7876.N1	19-SEP-2009 21:55:14	Straylight	52.500	157	The1Eri	2.9060	9300.0	105	39505	No
141	GOM_NL__2PRFIN20090919_220747_000000552082_00373_39505_7877.N1	19-SEP-2009 22:07:47	Tw_i_and_stray	54.500	52	16Bet Cet	2.0370	4500.0	109	39505	No
142	GOM_NL__2PRFIN20090919_221930_000000642082_00373_39505_7878.N1	19-SEP-2009 22:19:30	Bright	64.000	140	88Gam Peg	2.8340	26000.	128	39505	No
143	GOM_NL__2PRFIN20090919_222352_000000432082_00373_39505_7879.N1	19-SEP-2009 22:23:52	Bright	43.000	58	21Alp And	2.0730	11000.	86	39505	No
144	GOM_NL__2PRFIN20090919_223214_000000402082_00373_39505_7880.N1	19-SEP-2009 22:32:14	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	39505	No
145	GOM_NL__2PRFIN20090919_223355_000000392082_00373_39505_7881.N1	19-SEP-2009 22:33:55	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	39505	No
146	GOM_NL__2PRFIN20090919_225700_000000502082_00373_39505_7882.N1	19-SEP-2009 22:57:00	Bright	49.500	24	66Alp Gem	1.5800	10200.	99	39505	No
147	GOM_NL__2PRFIN20090919_230607_000000582082_00373_39505_7883.N1	19-SEP-2009 23:06:07	Dark	57.500	8	10Alp CMi	0.40000	6500.0	115	39505	No
148	GOM_NL__2PRFIN20090919_231547_000000612082_00373_39505_7884.N1	19-SEP-2009 23:15:47	Dark	60.500	1	9Alp CMA	-1.4400	11000.	121	39505	No
149	GOM_NL__2PRFIN20090919_231745_000000502082_00373_39505_7885.N1	19-SEP-2009 23:17:45	Dark	49.500	23	21Eps CMA	1.5020	26000.	99	39505	No
150	GOM_NL__2PRFIN20090919_232406_000000552082_00374_39506_7901.N1	19-SEP-2009 23:24:06	Dark	54.500	108	Alp Col	2.6520	15200.	109	39506	No
151	GOM_NL__2PRFIN20090919_233551_000000532082_00374_39506_7902.N1	19-SEP-2009 23:35:51	Straylight	53.000	157	The1Eri	2.9060	9300.0	106	39506	No
152	GOM_NL__2PRFIN20090919_234823_000000522082_00374_39506_7903.N1	19-SEP-2009 23:48:23	Tw_i_and_stray	52.000	52	16Bet Cet	2.0370	4500.0	104	39506	No

3. Quality information per product

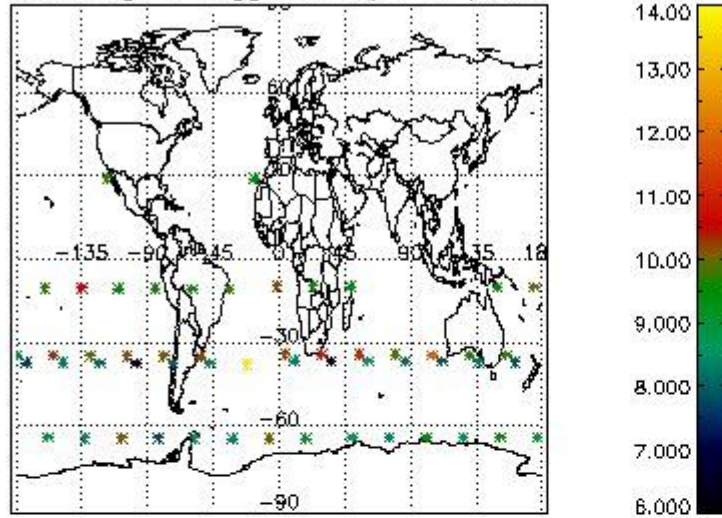
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

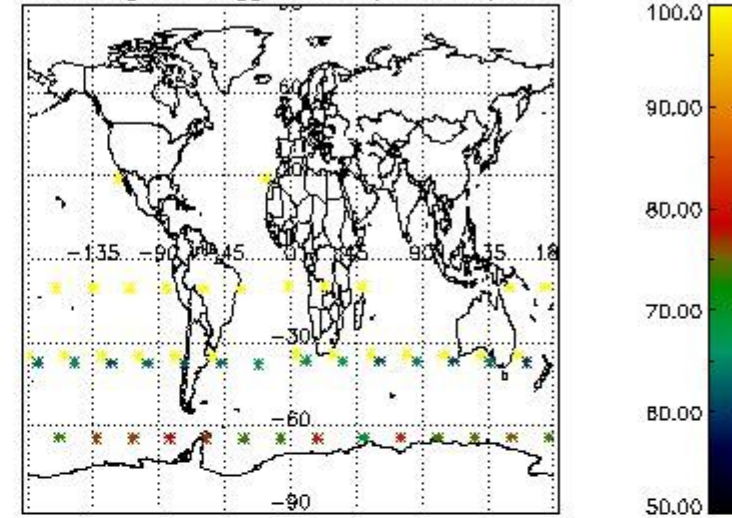


3.2 Plot quality information per product (world map)

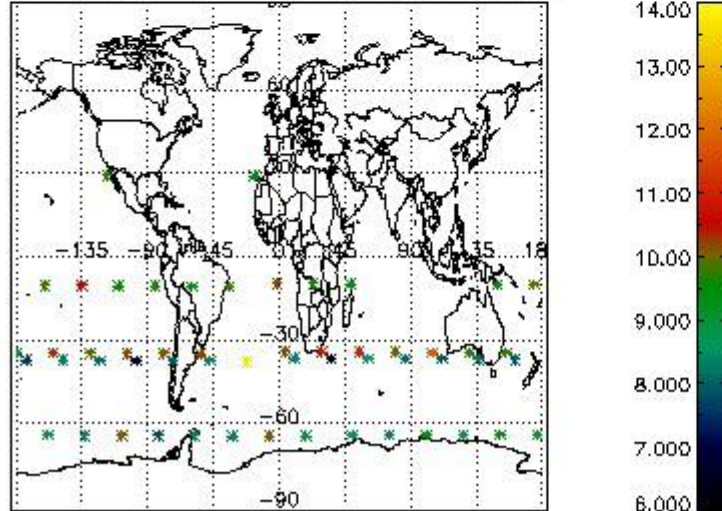
Percentage of flagged data per O3 profile



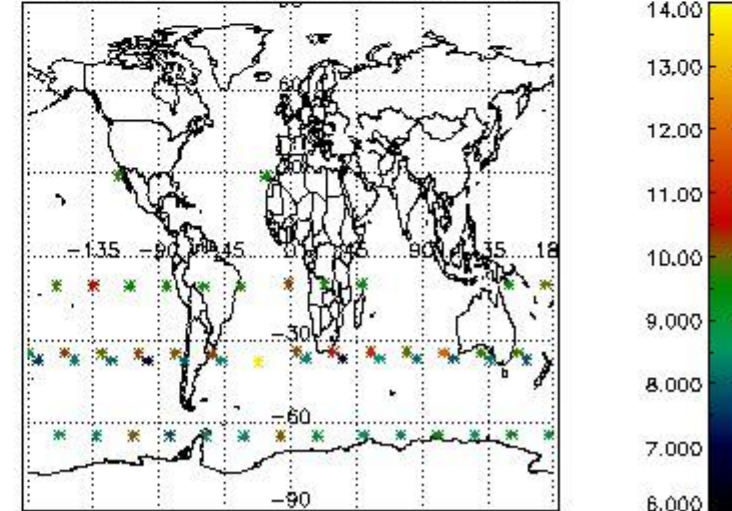
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

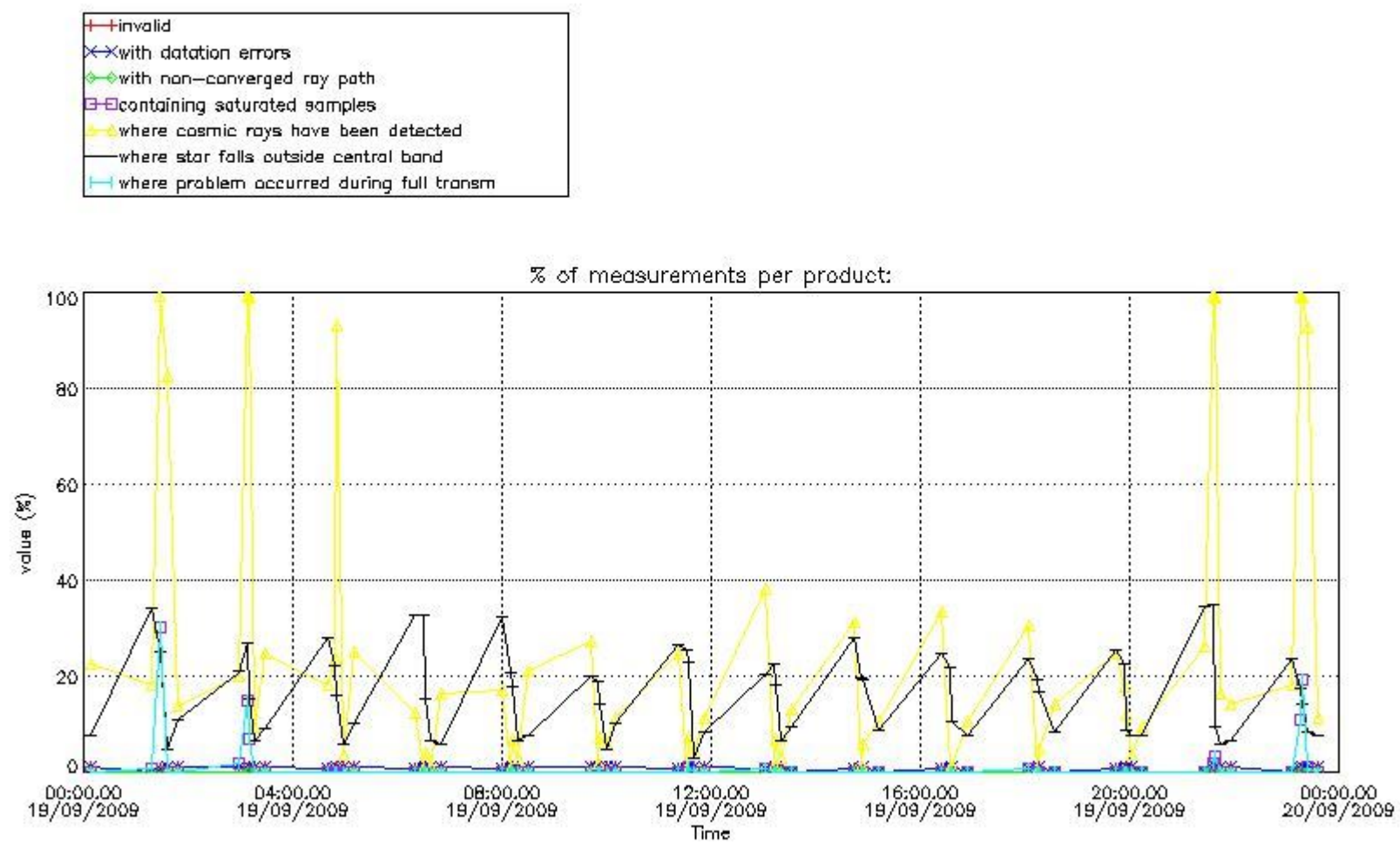


4. Level 1 quality information per product

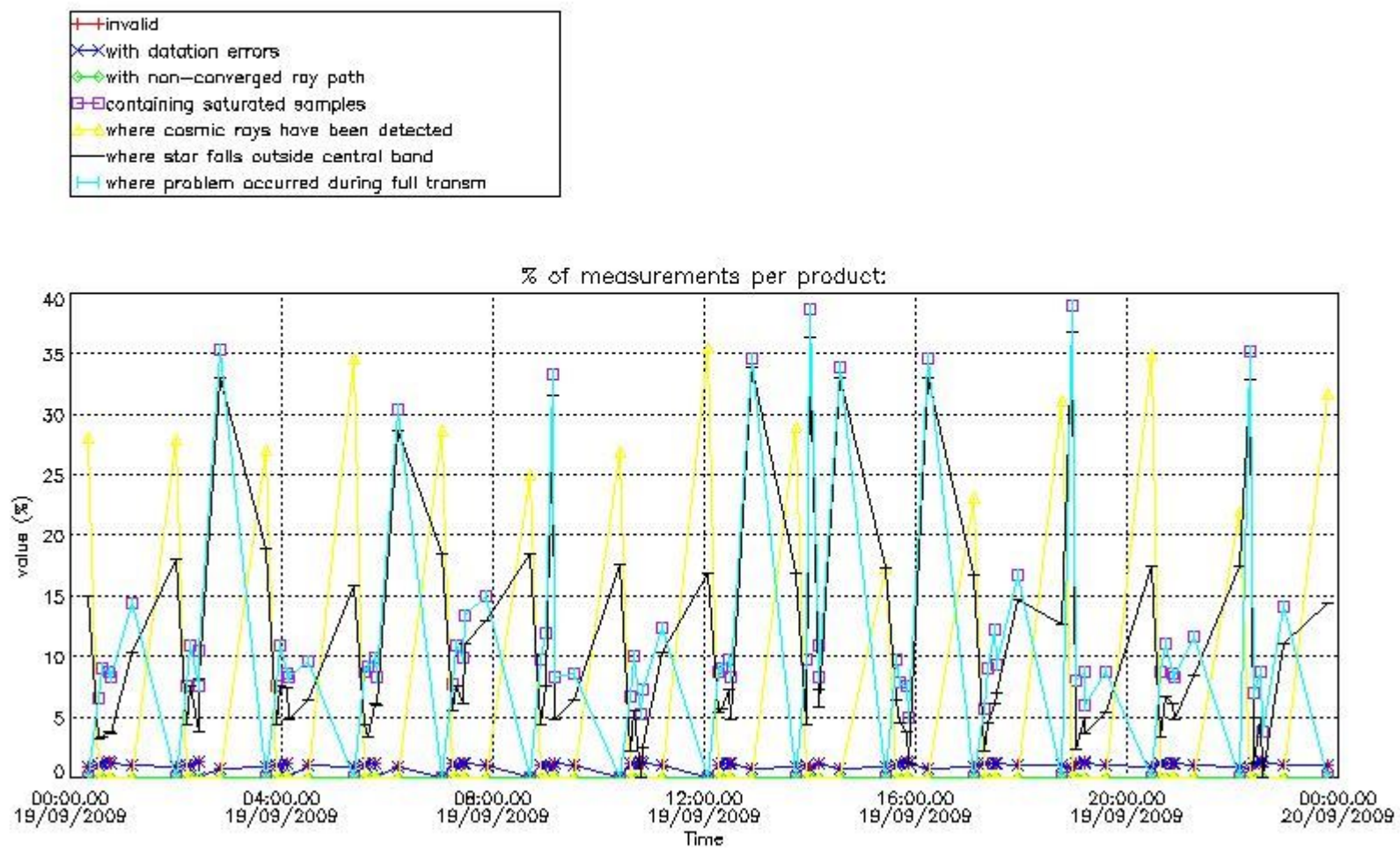
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

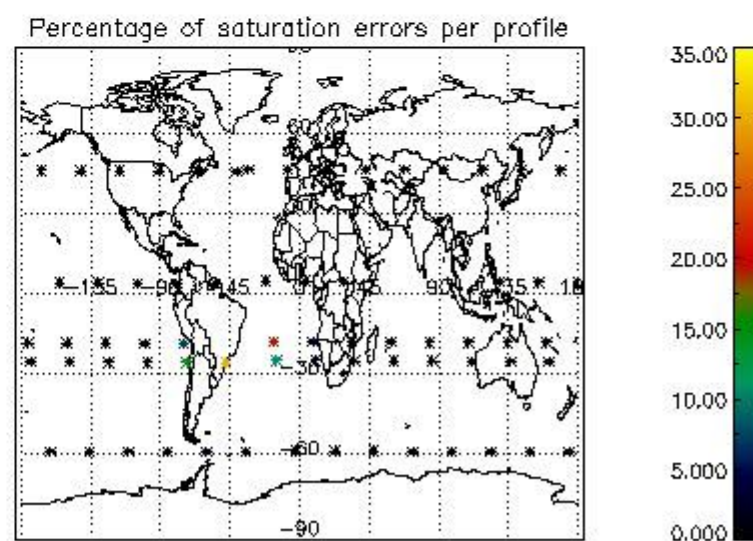
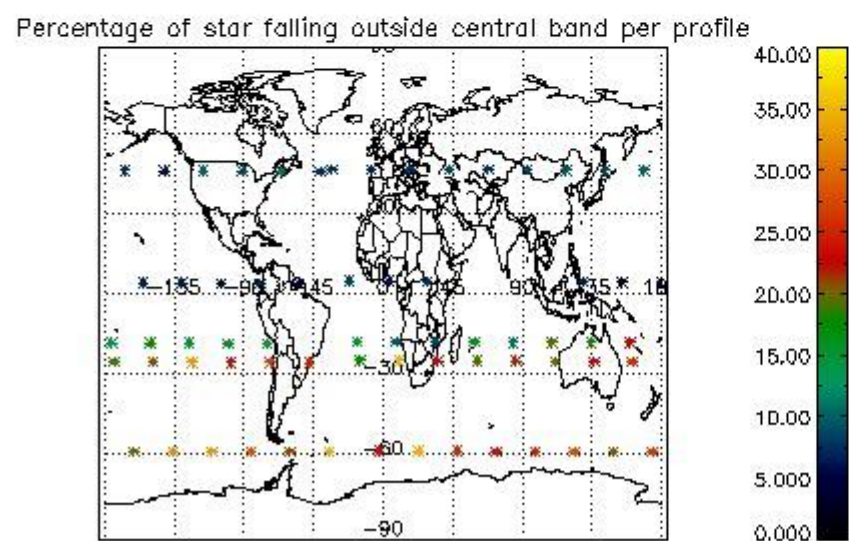
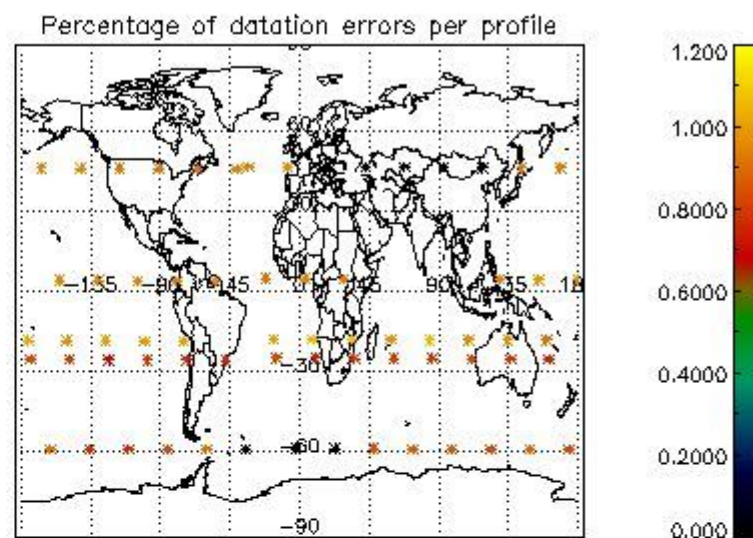
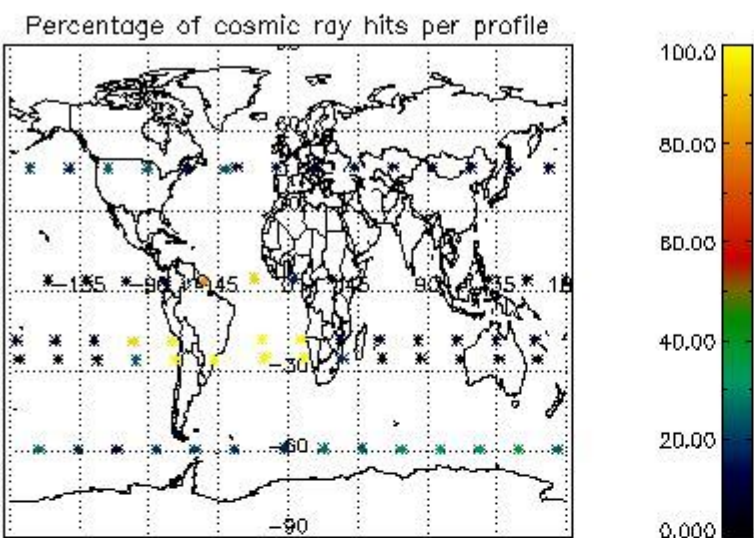


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

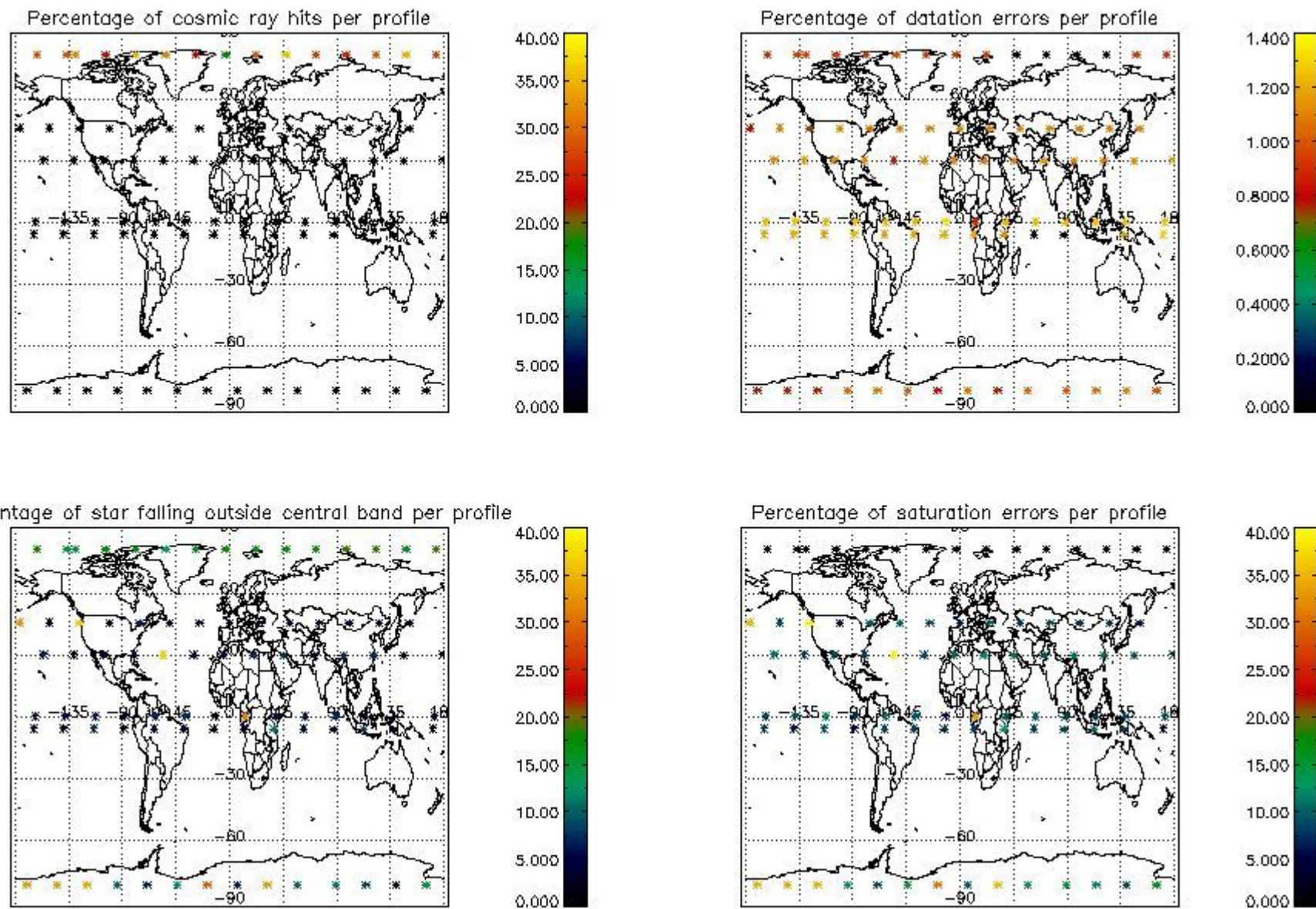


4.2 Plot quality information per product coming from level 1b processing (world map)

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

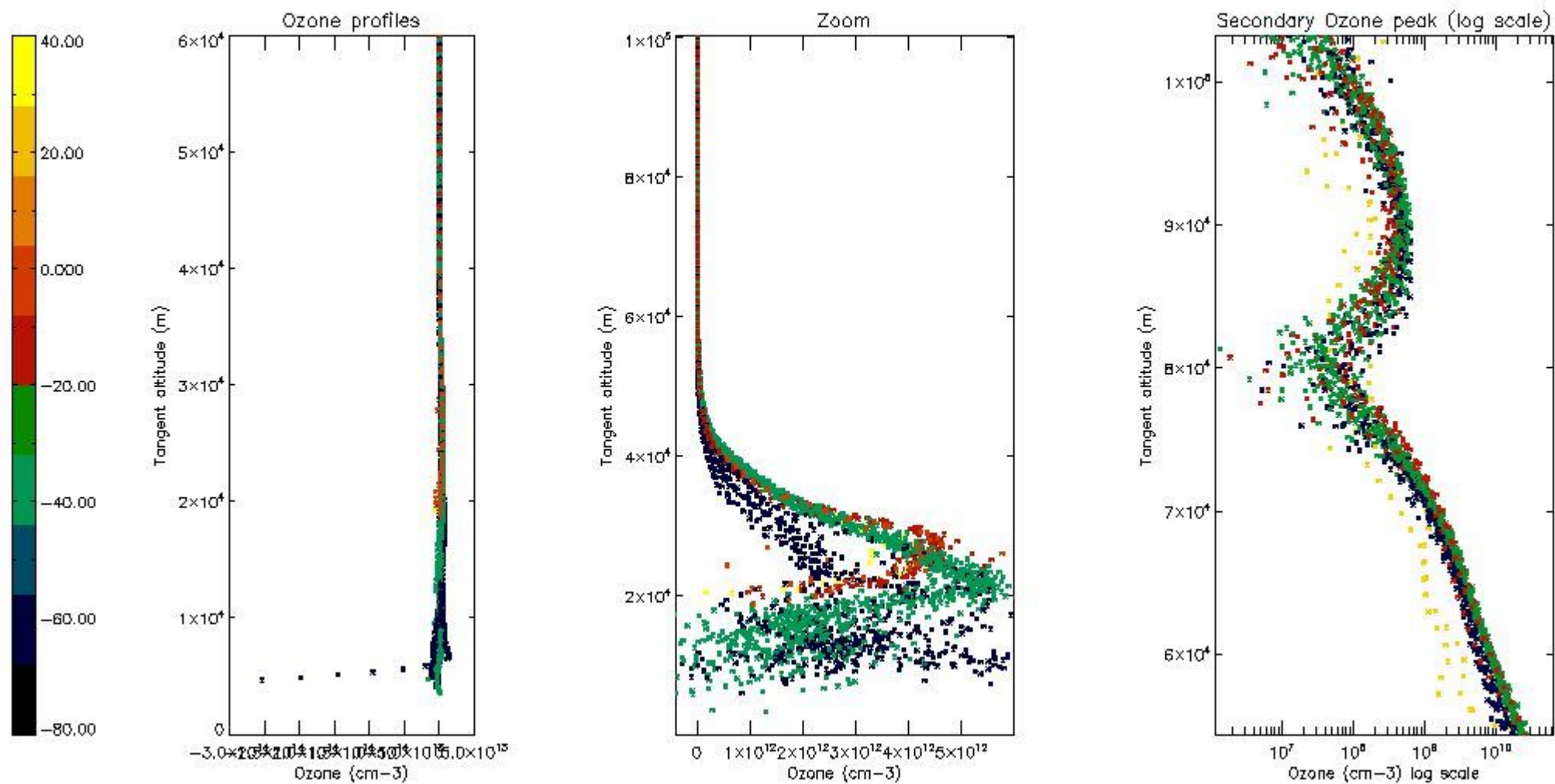
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	41
STD < 20	28

STD < 10	24
STD < 5	20

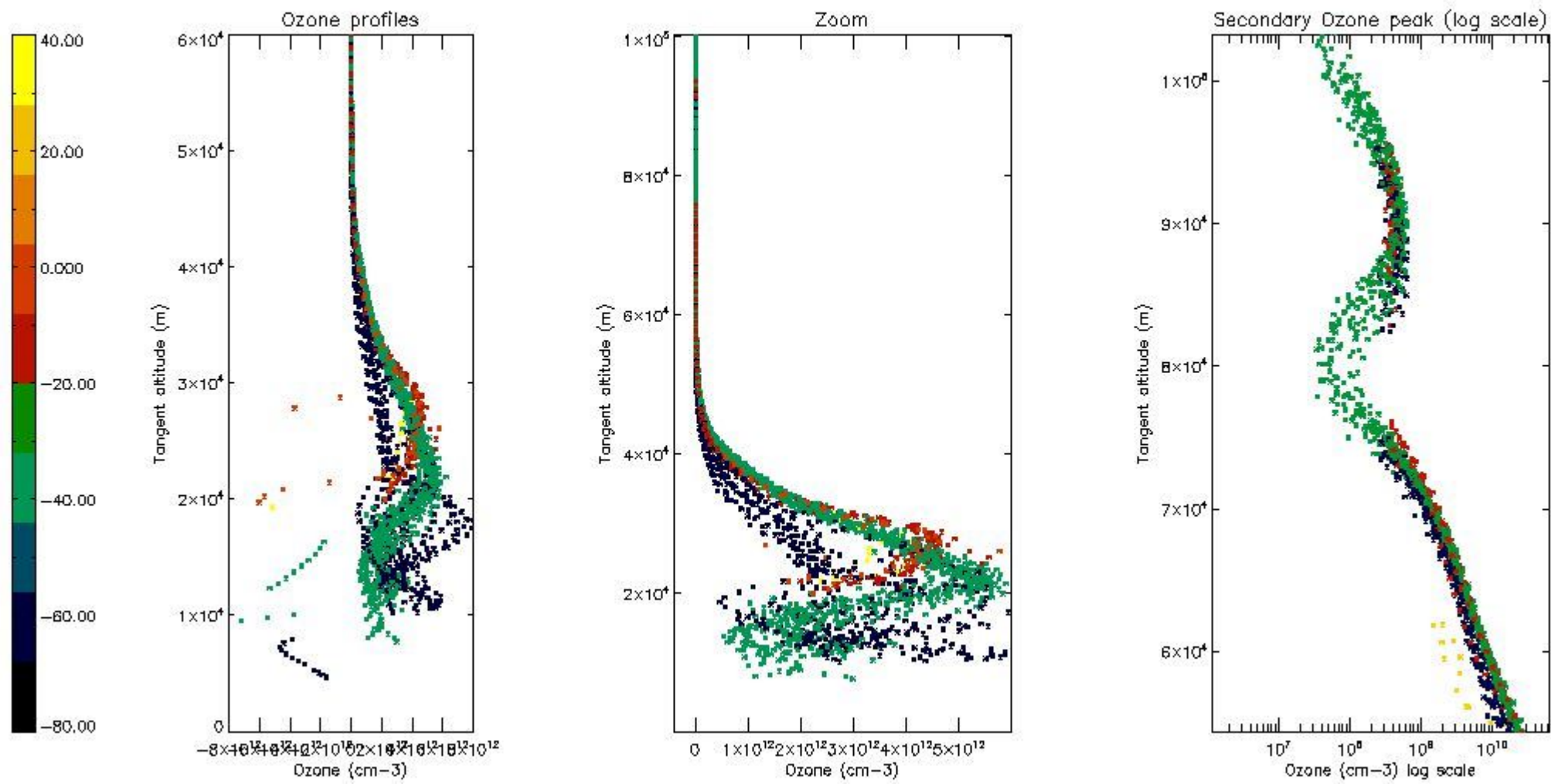
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



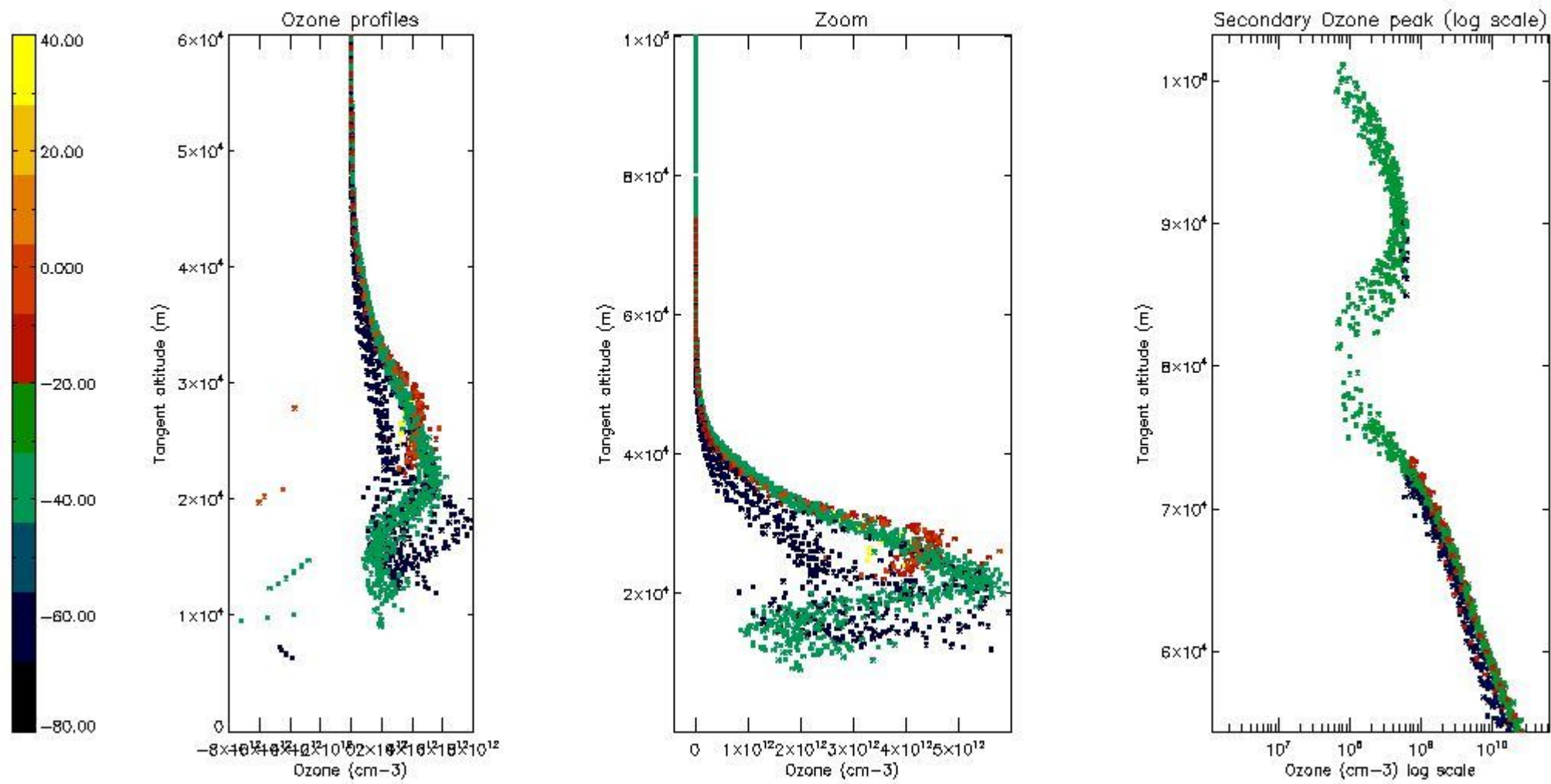
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



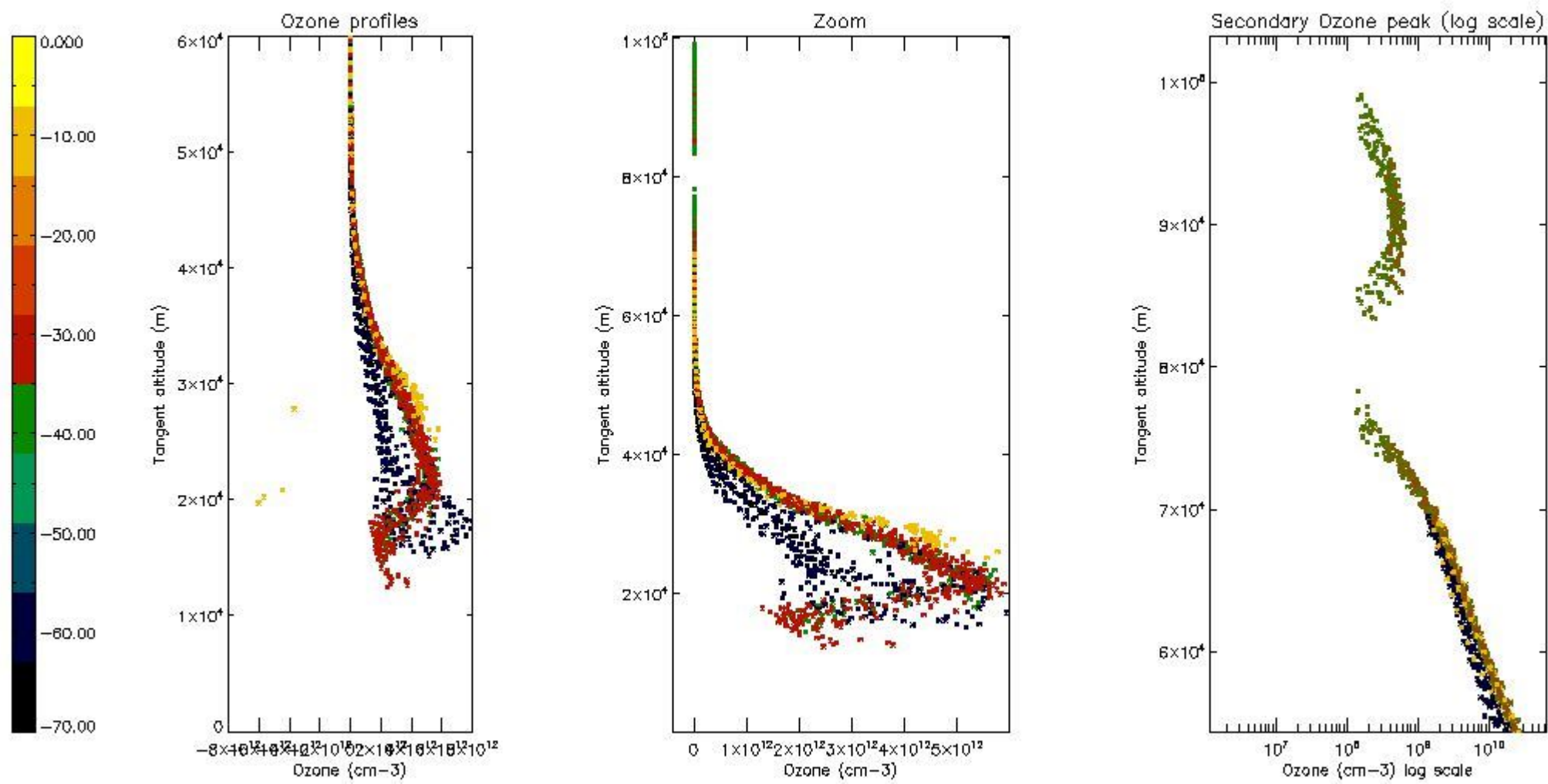
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



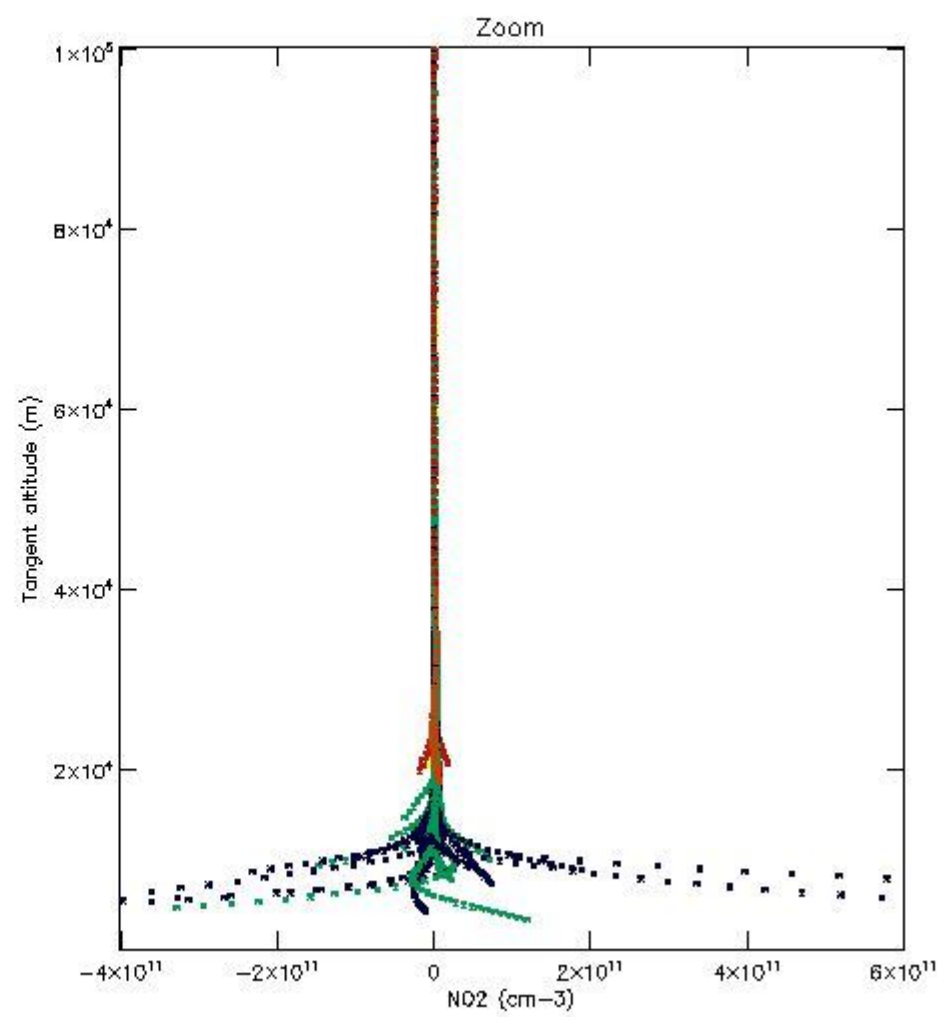
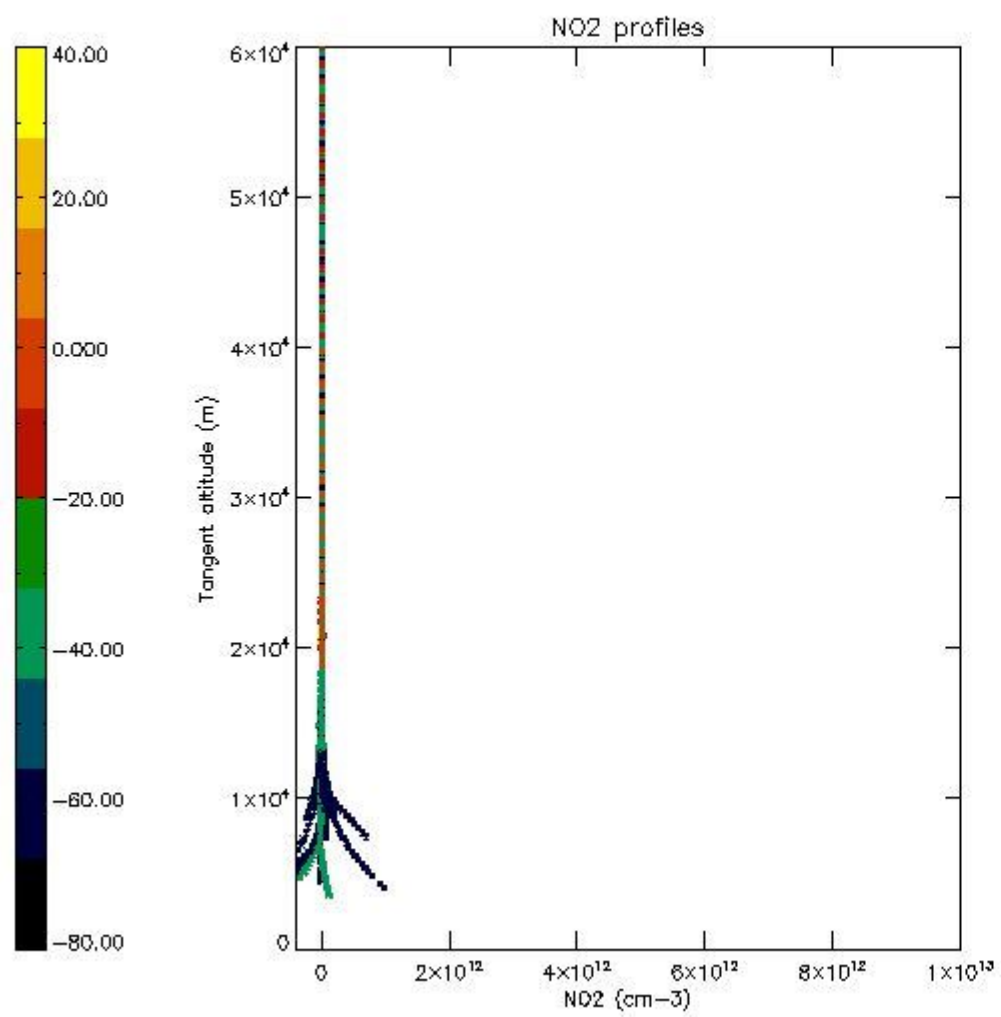
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



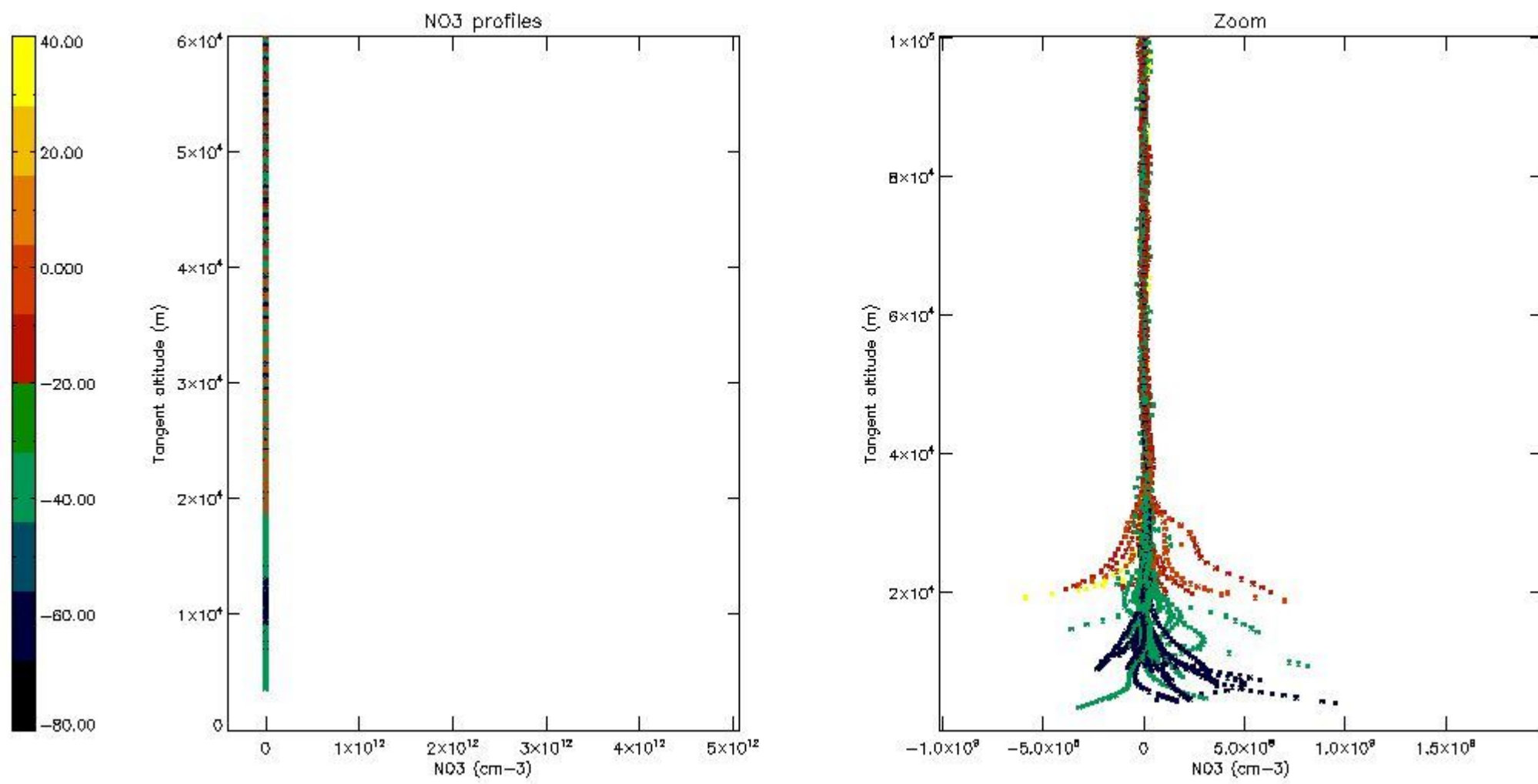
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



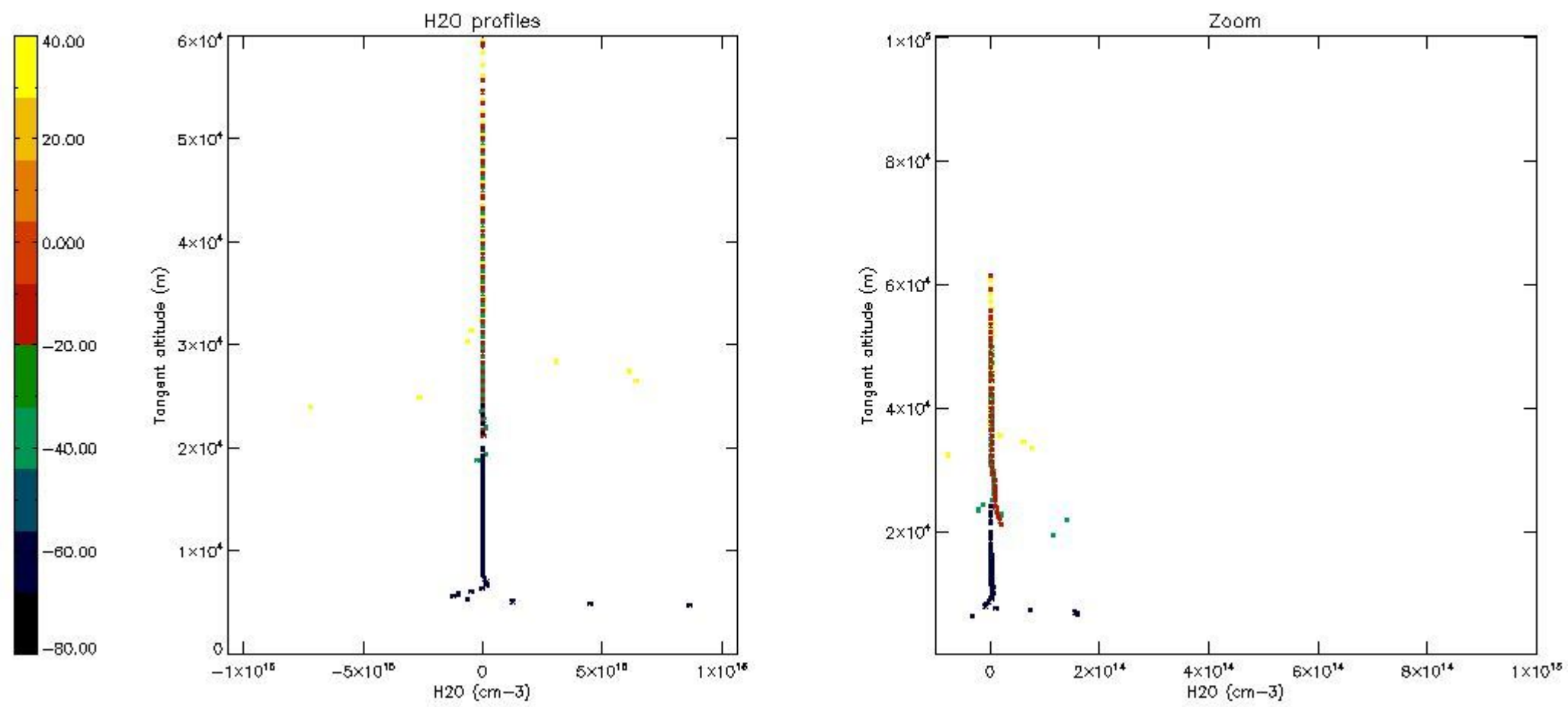
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

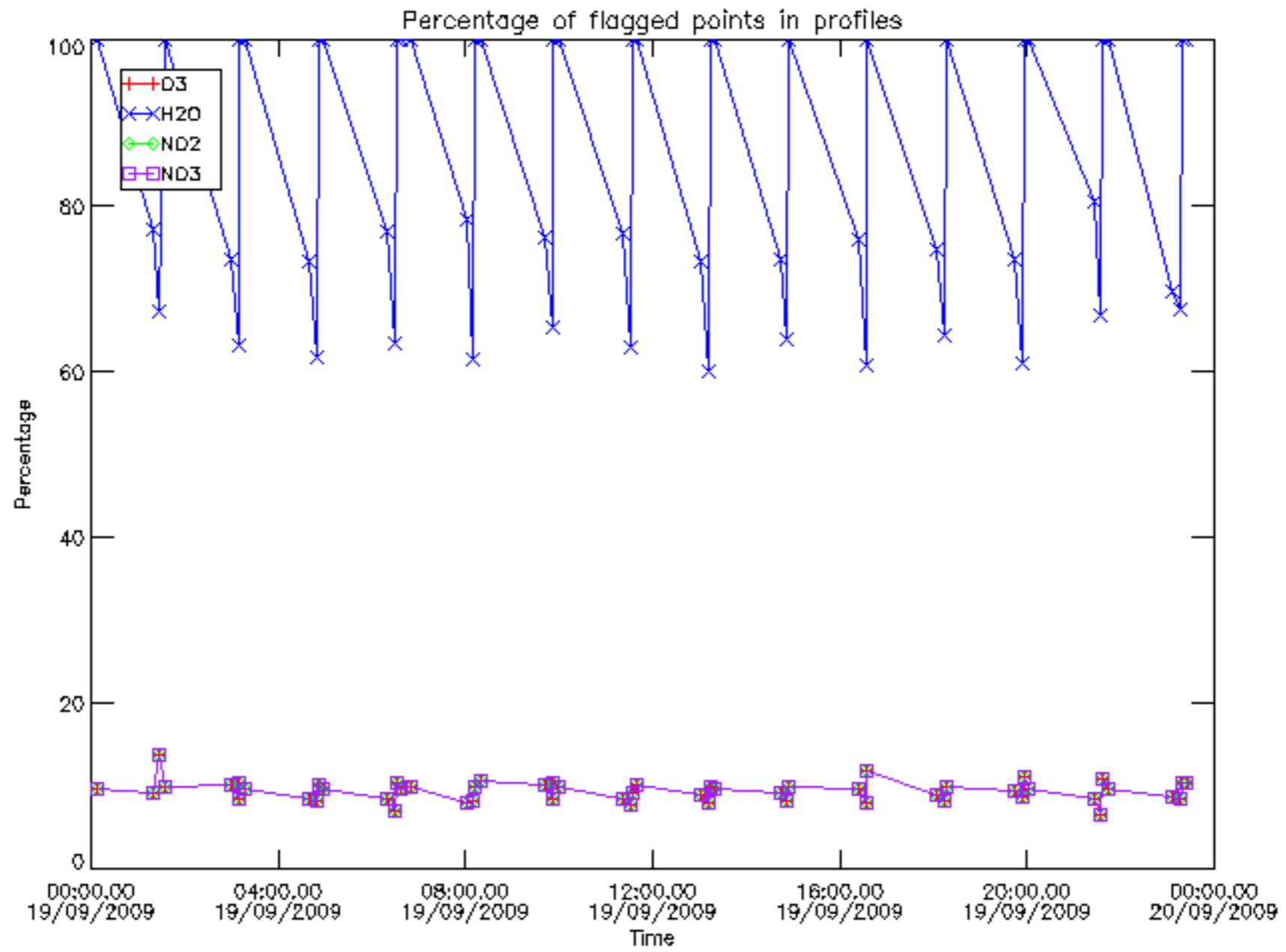
The colorbar represents the latitude.



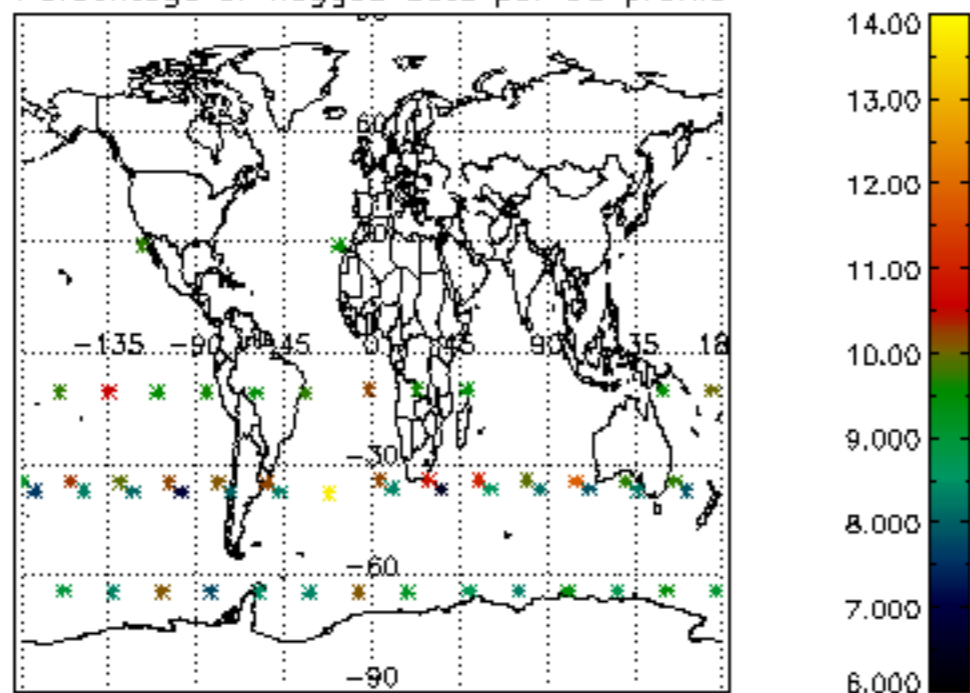
6. Auxiliary Data Files used for the production reported in section 2

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.

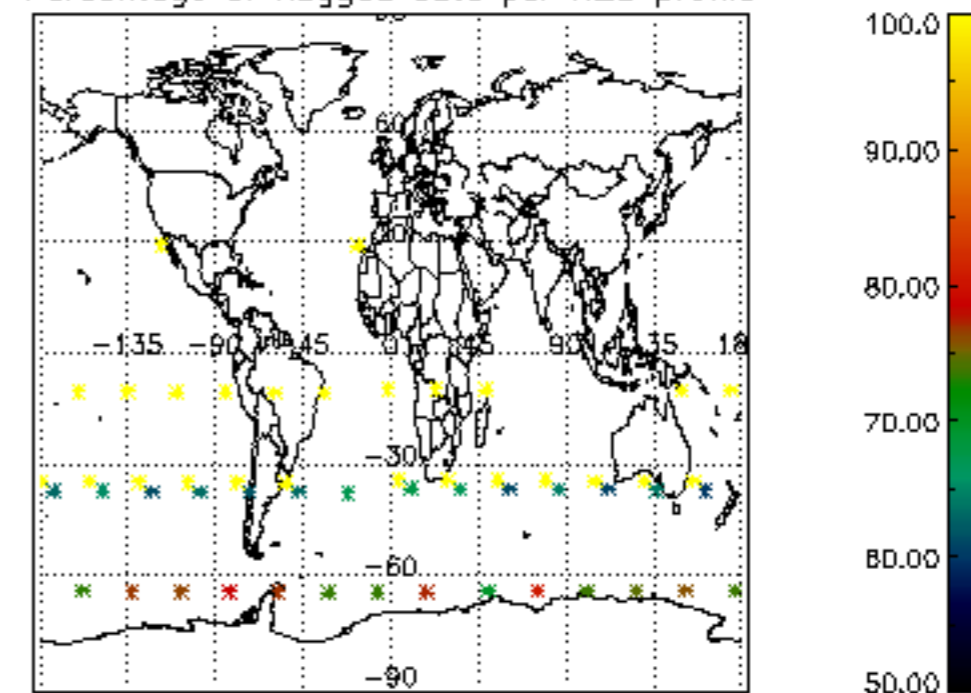
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	19-SEP-2009 00:07:15
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	19-SEP-2009 00:07:15
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	19-SEP-2009 00:07:15



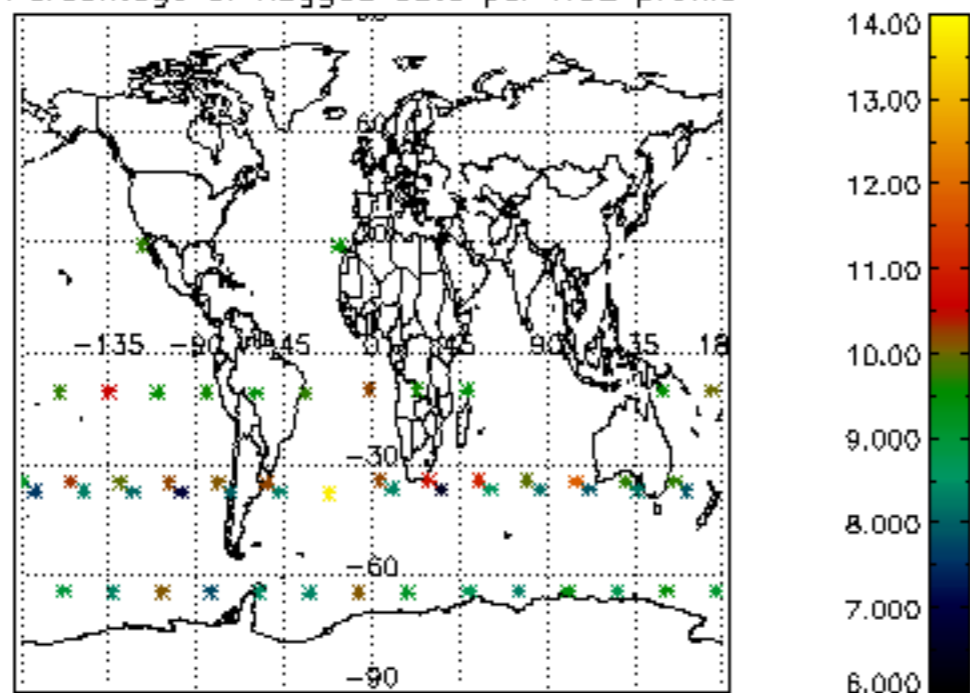
Percentage of flagged data per D3 profile



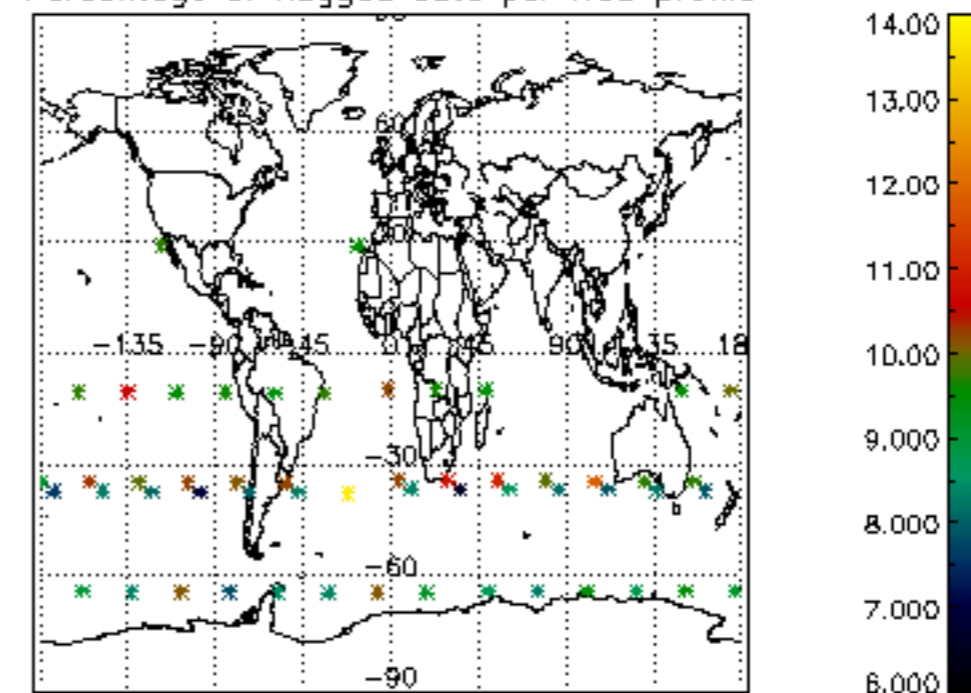
Percentage of flagged data per H2O profile

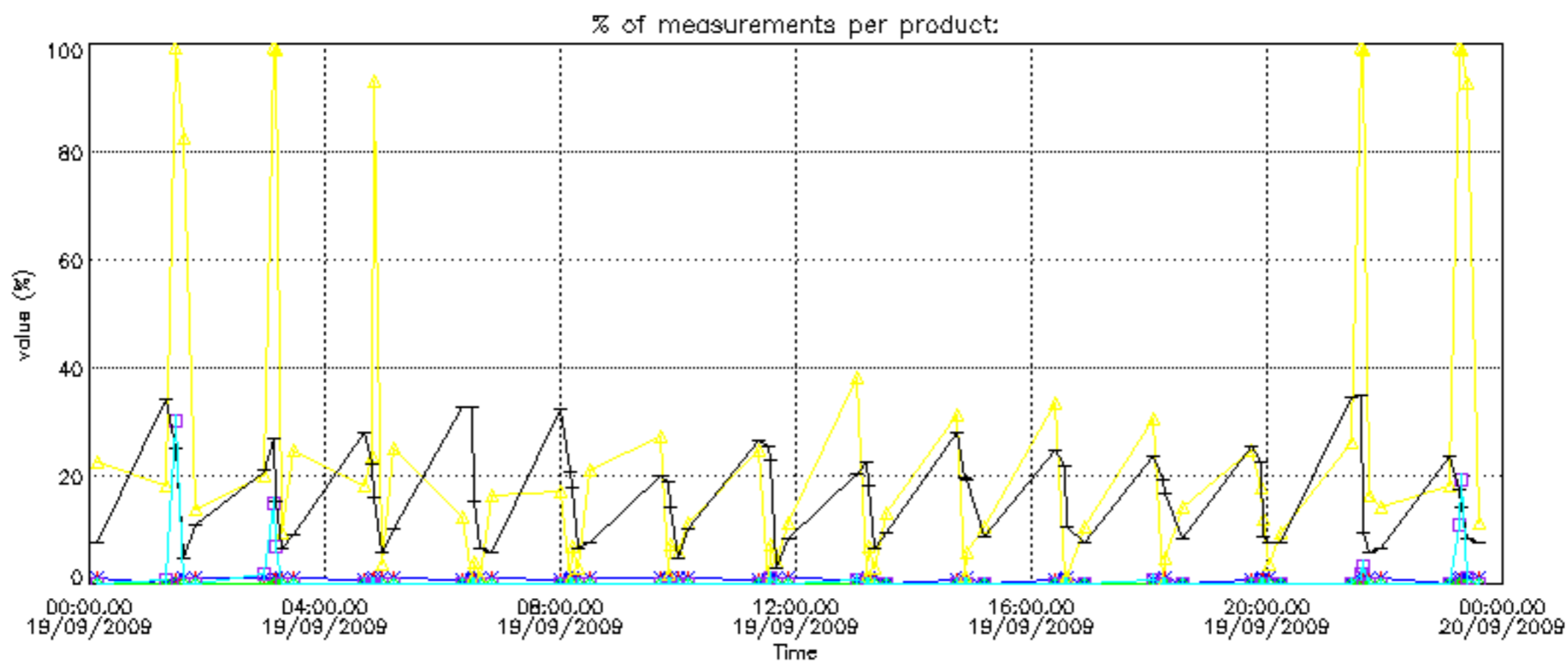


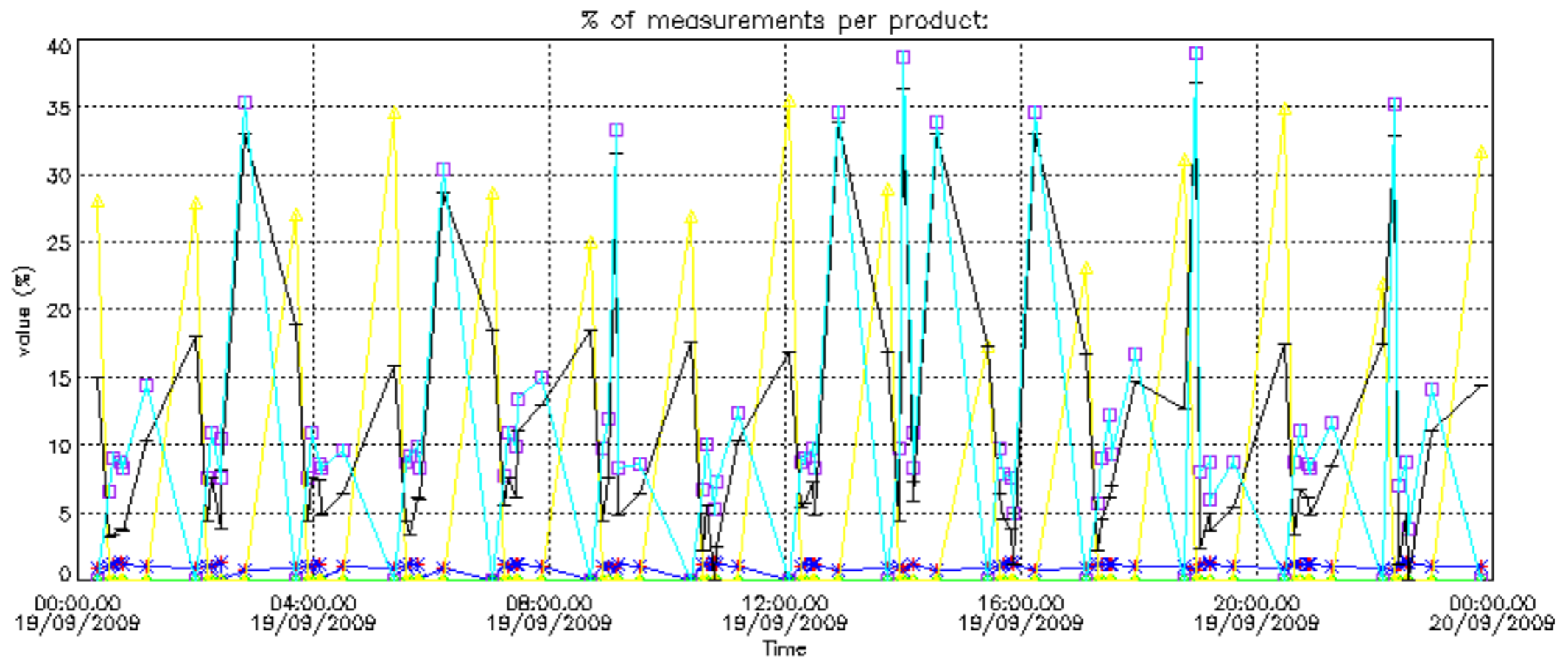
Percentage of flagged data per NO2 profile



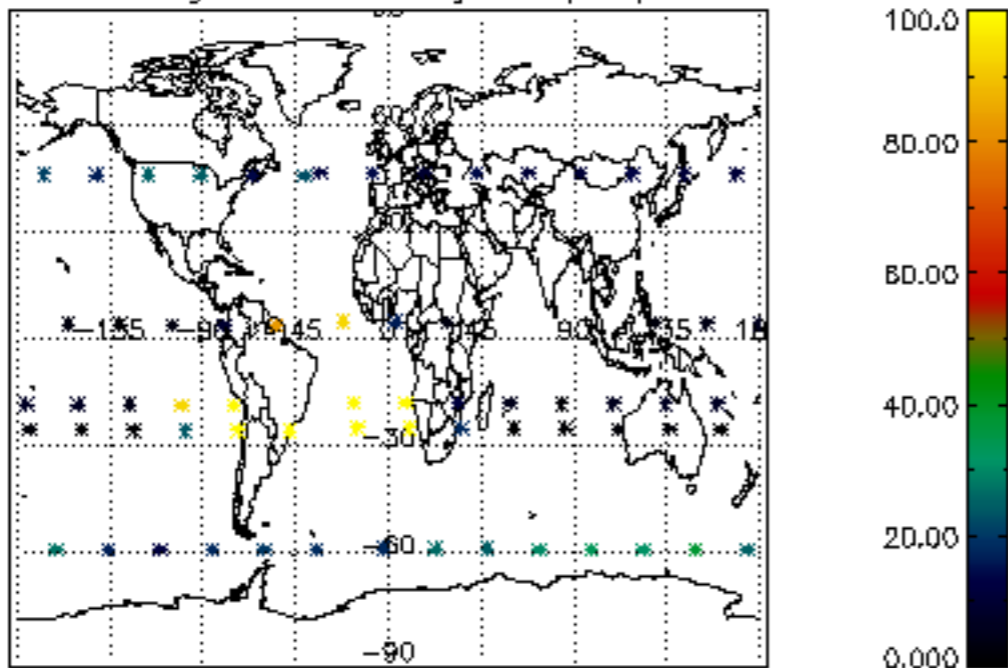
Percentage of flagged data per NO3 profile



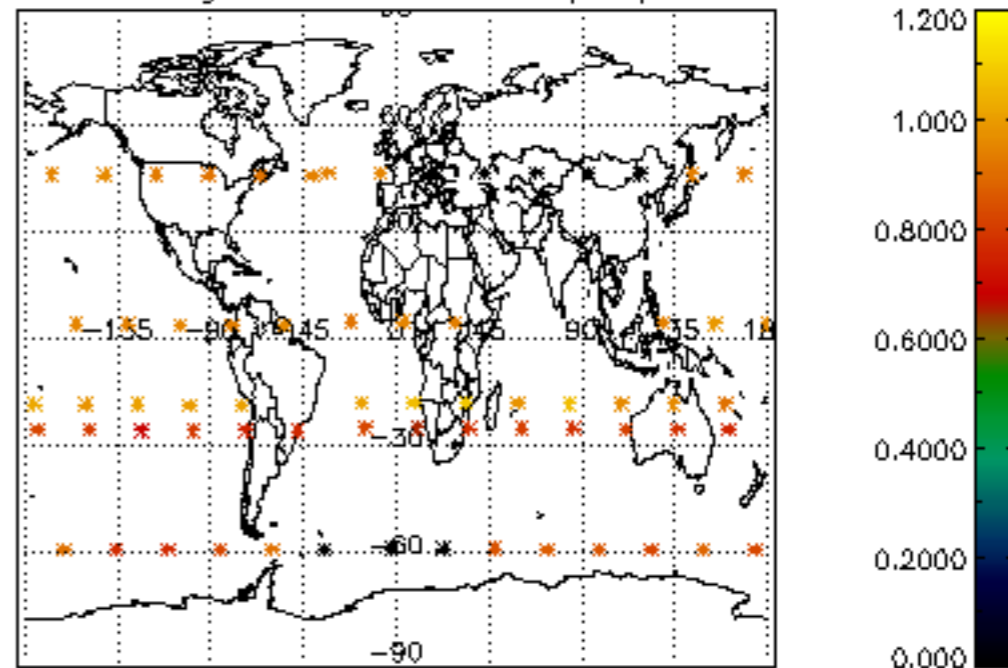




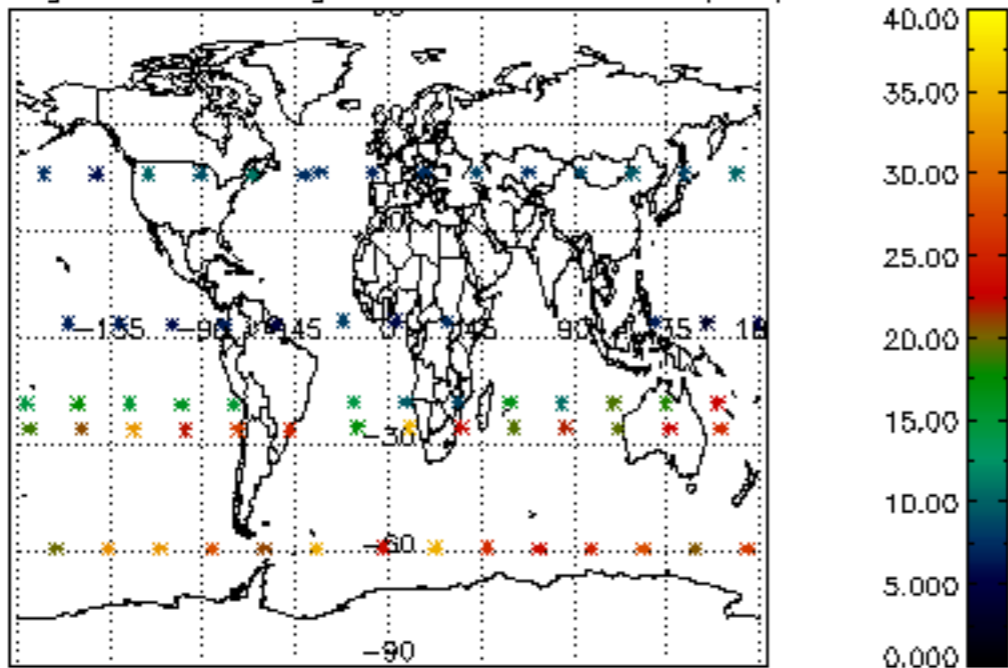
Percentage of cosmic ray hits per profile



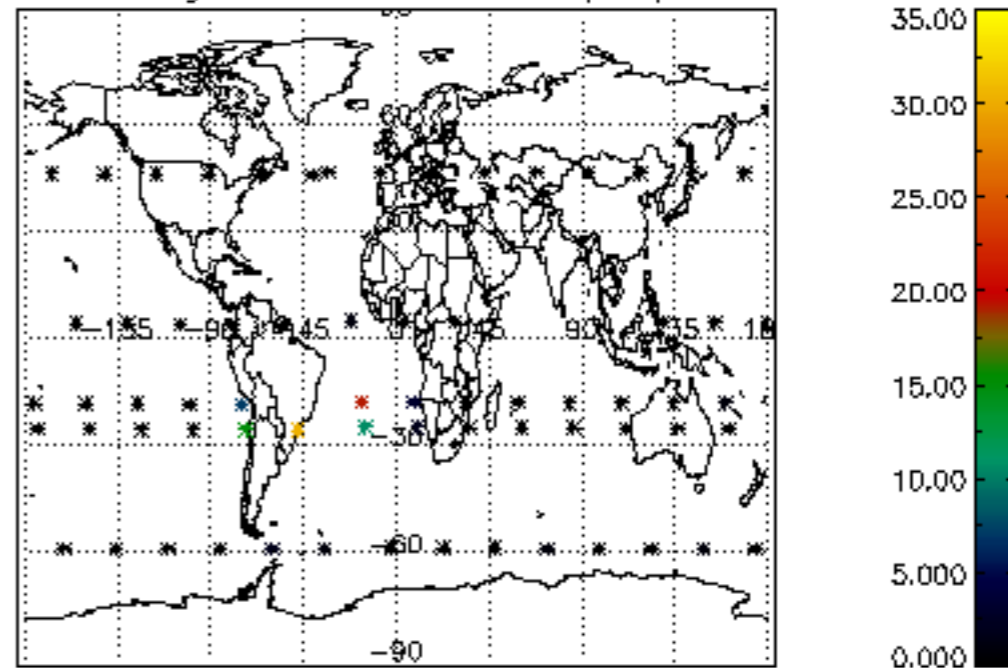
Percentage of datation errors per profile



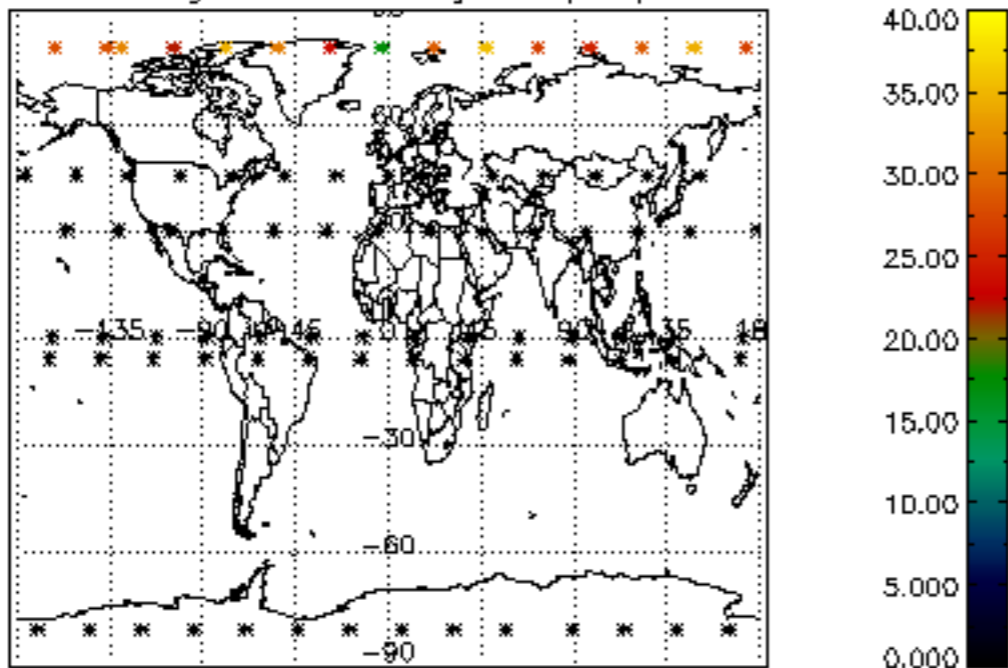
Percentage of star falling outside central band per profile



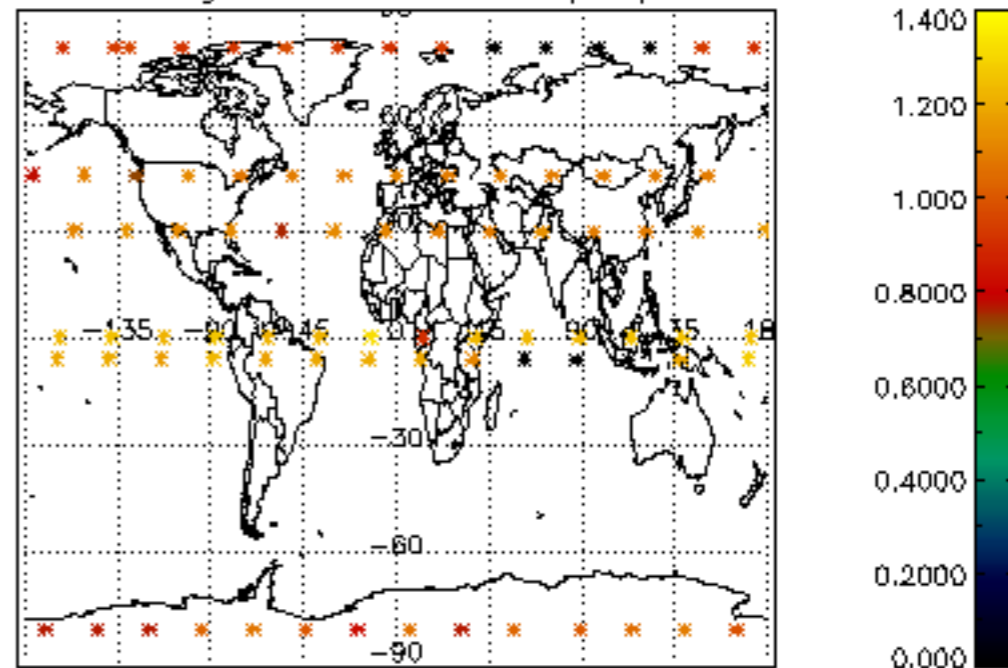
Percentage of saturation errors per profile



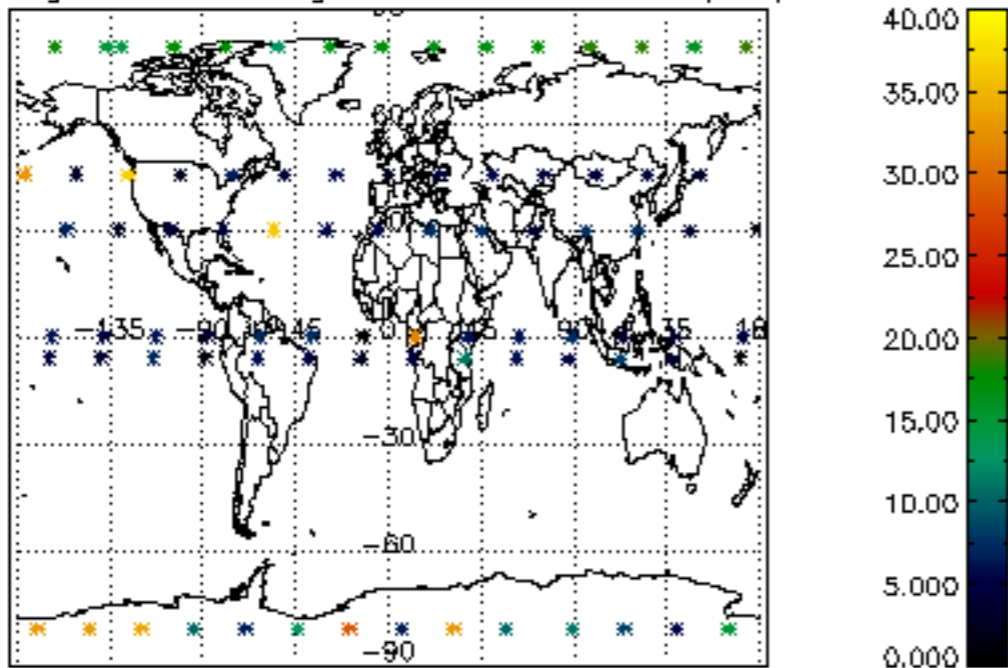
Percentage of cosmic ray hits per profile



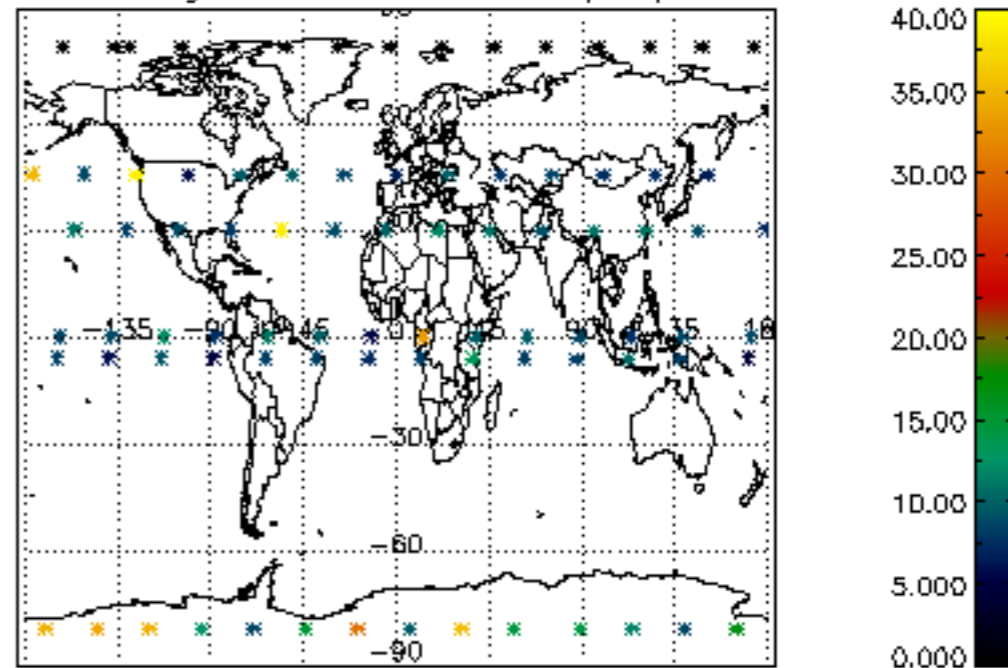
Percentage of datation errors per profile

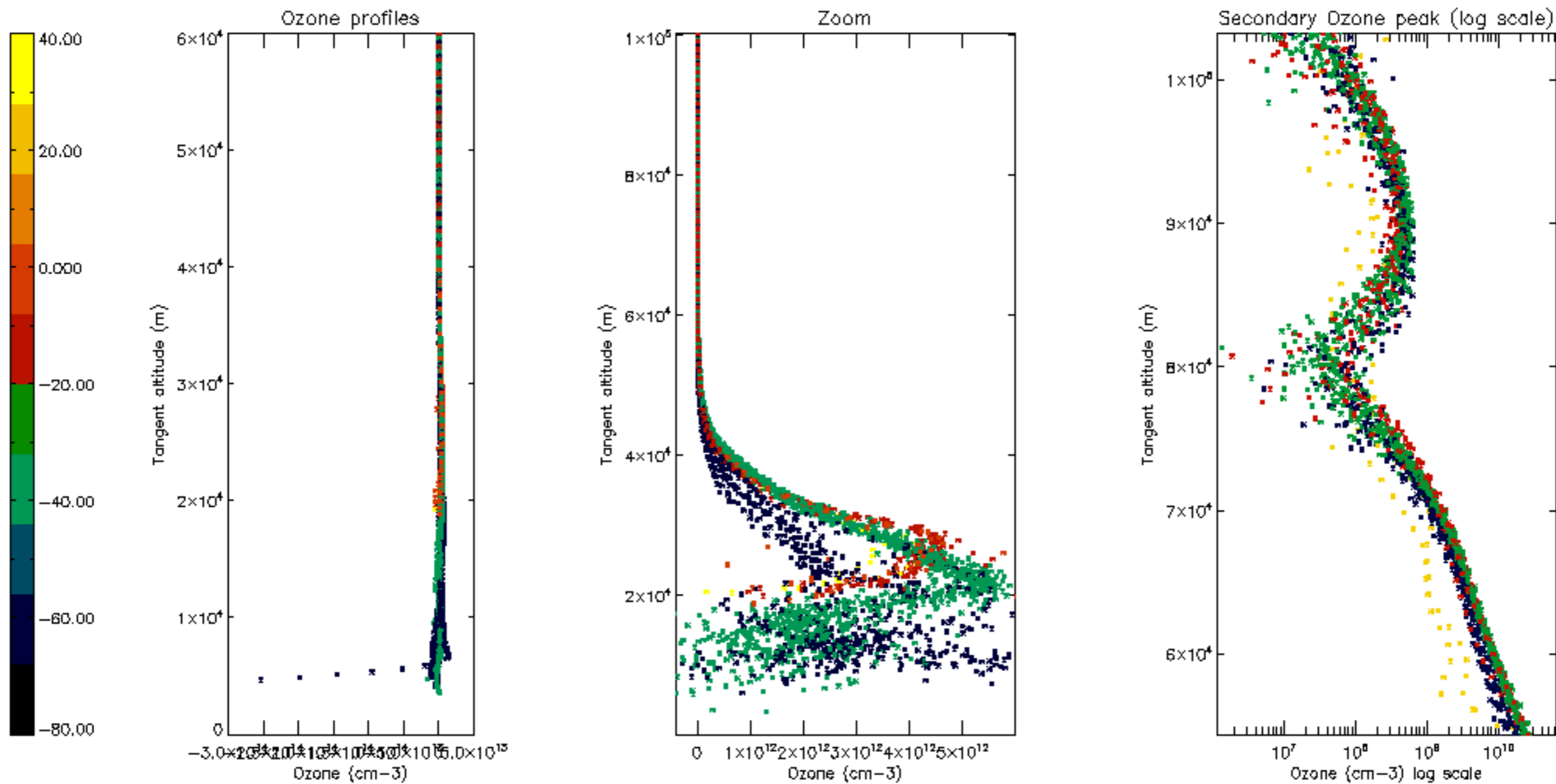


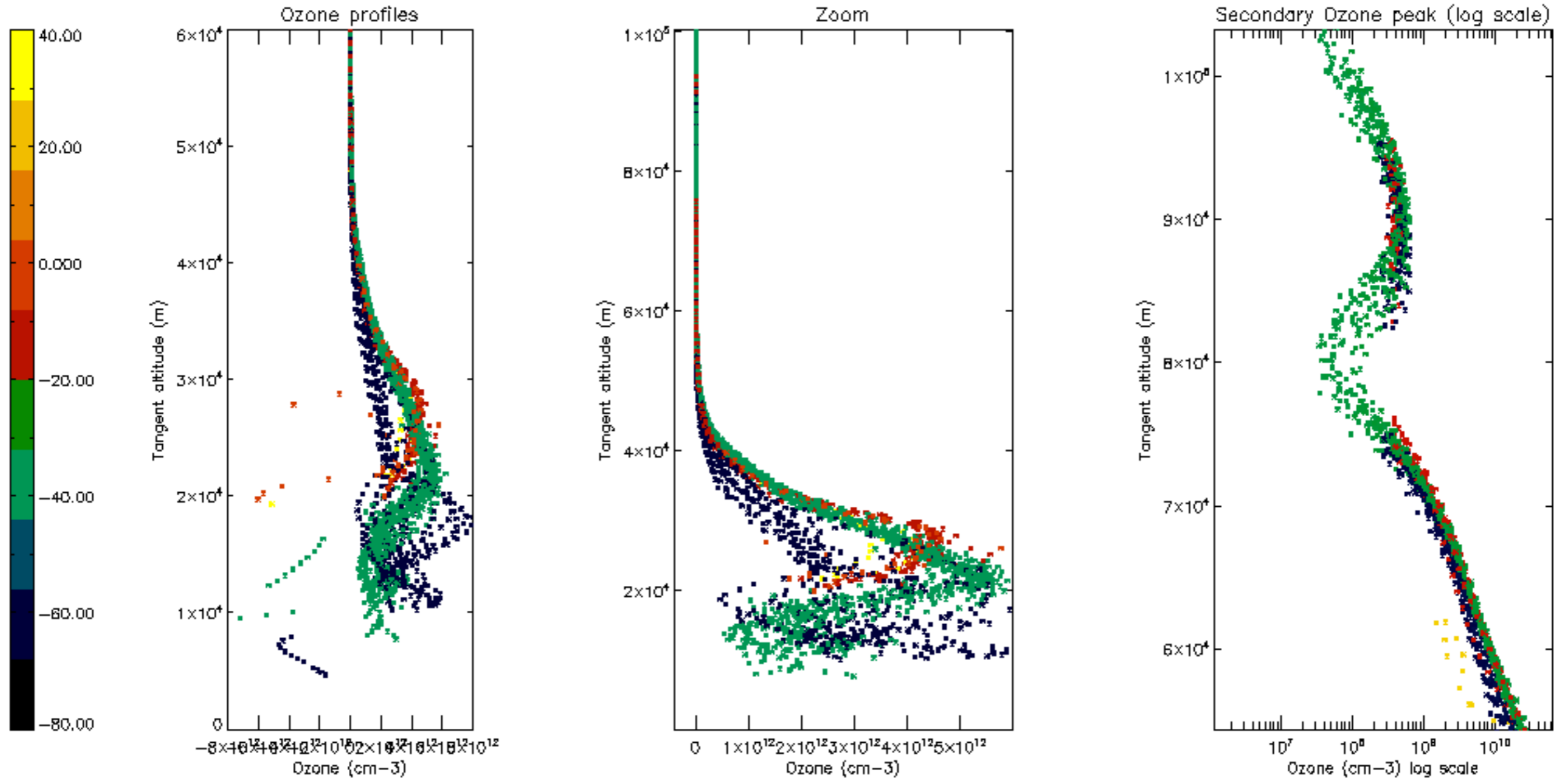
Percentage of star falling outside central band per profile

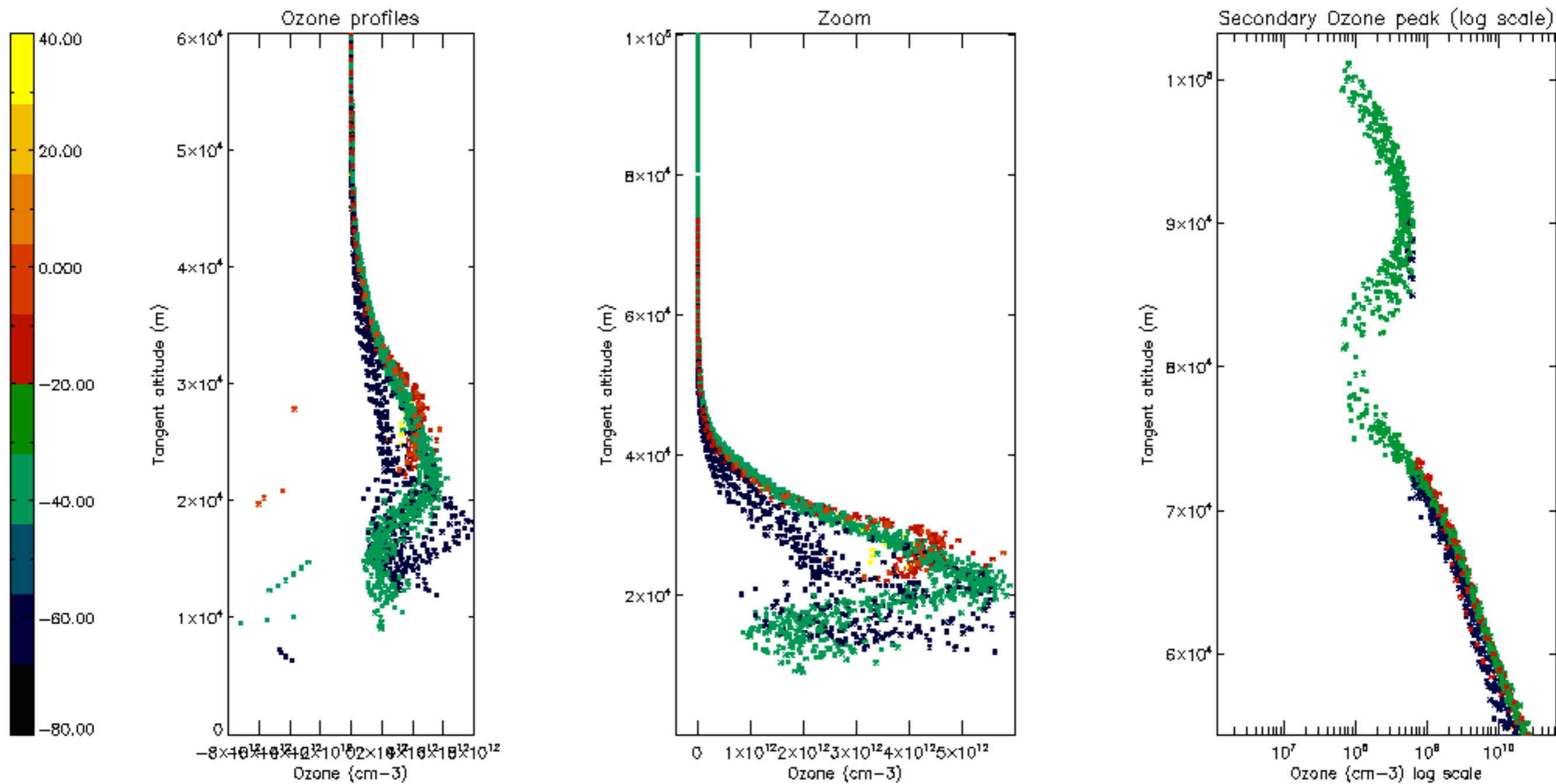


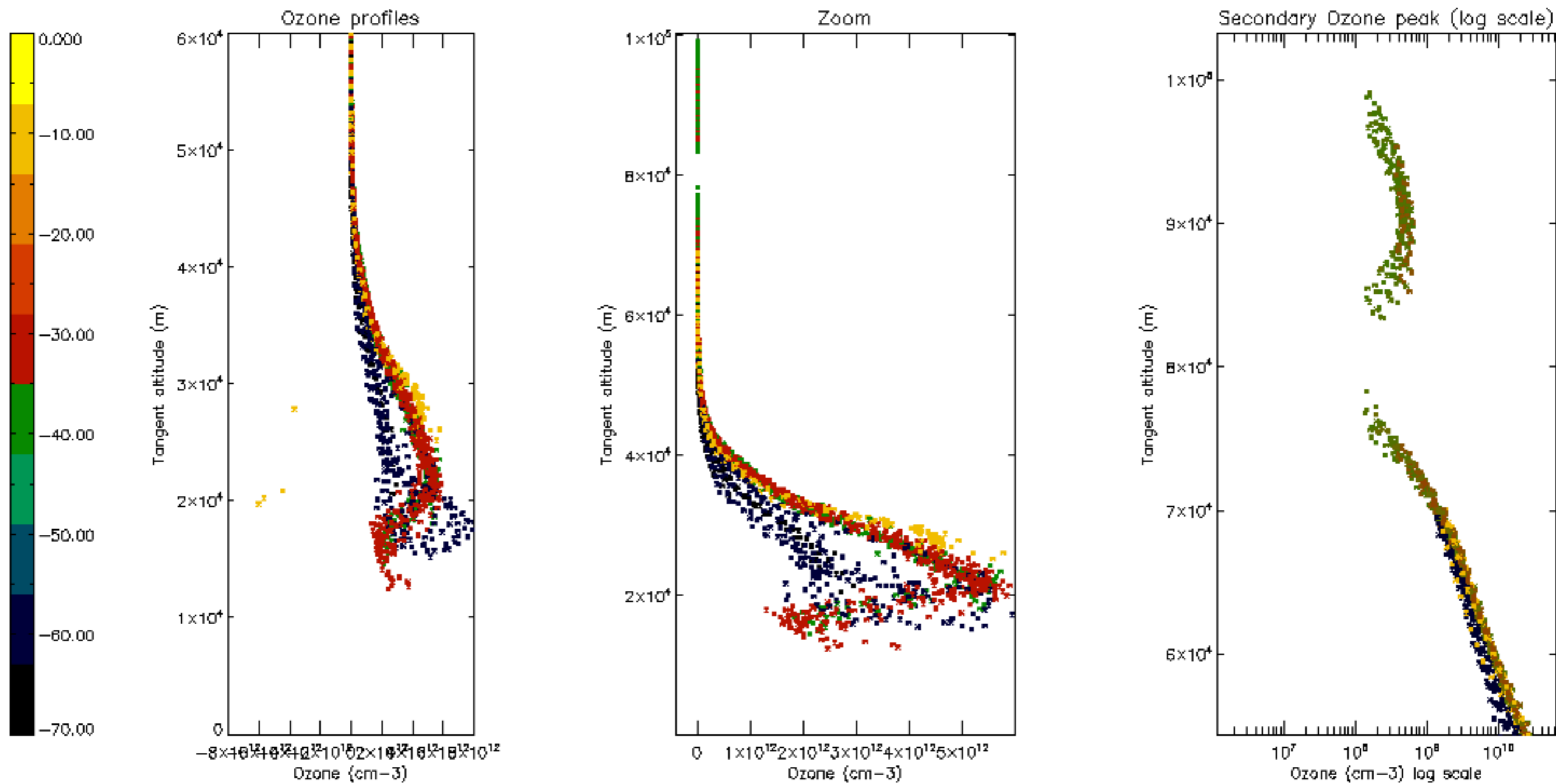
Percentage of saturation errors per profile

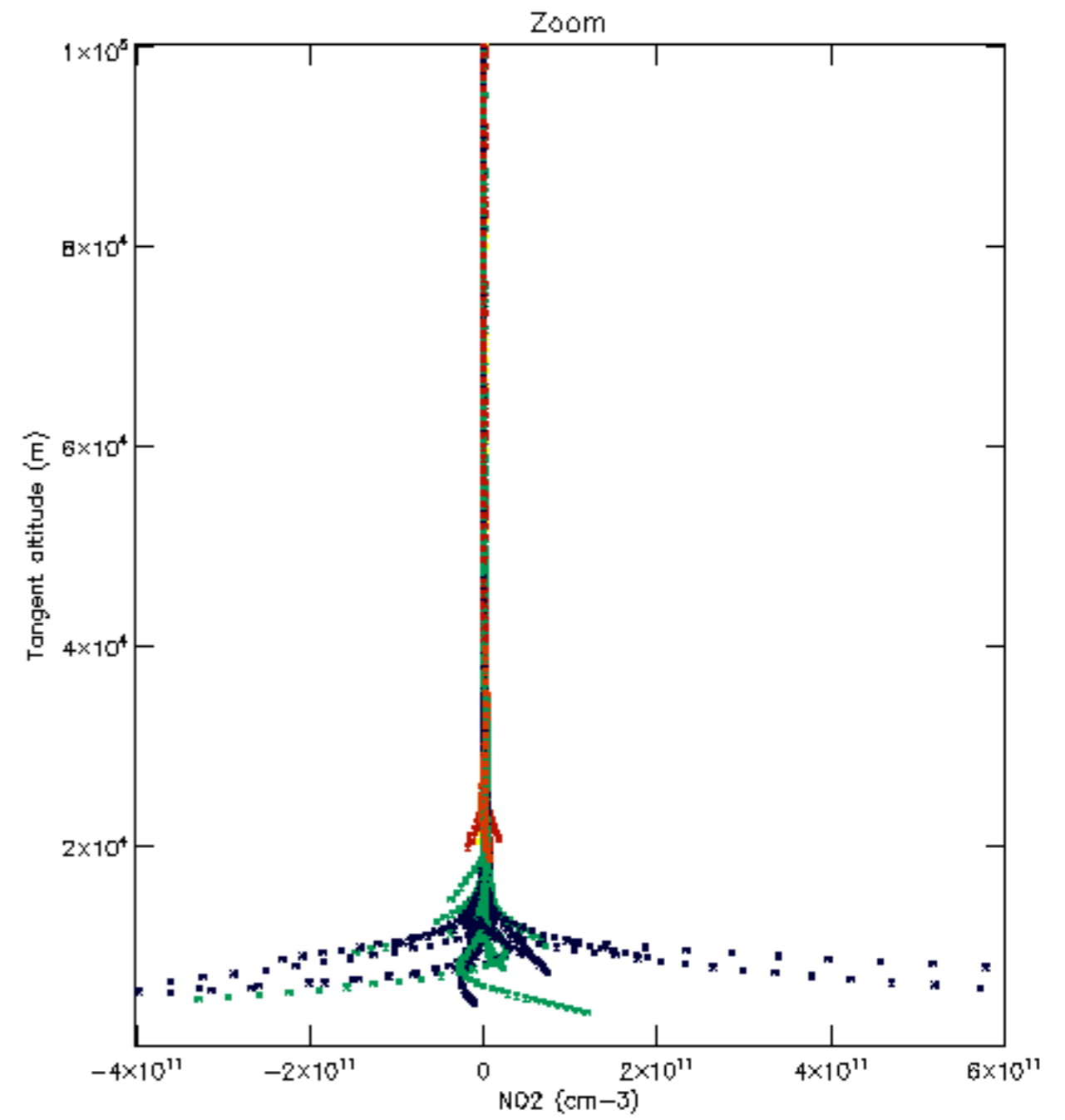
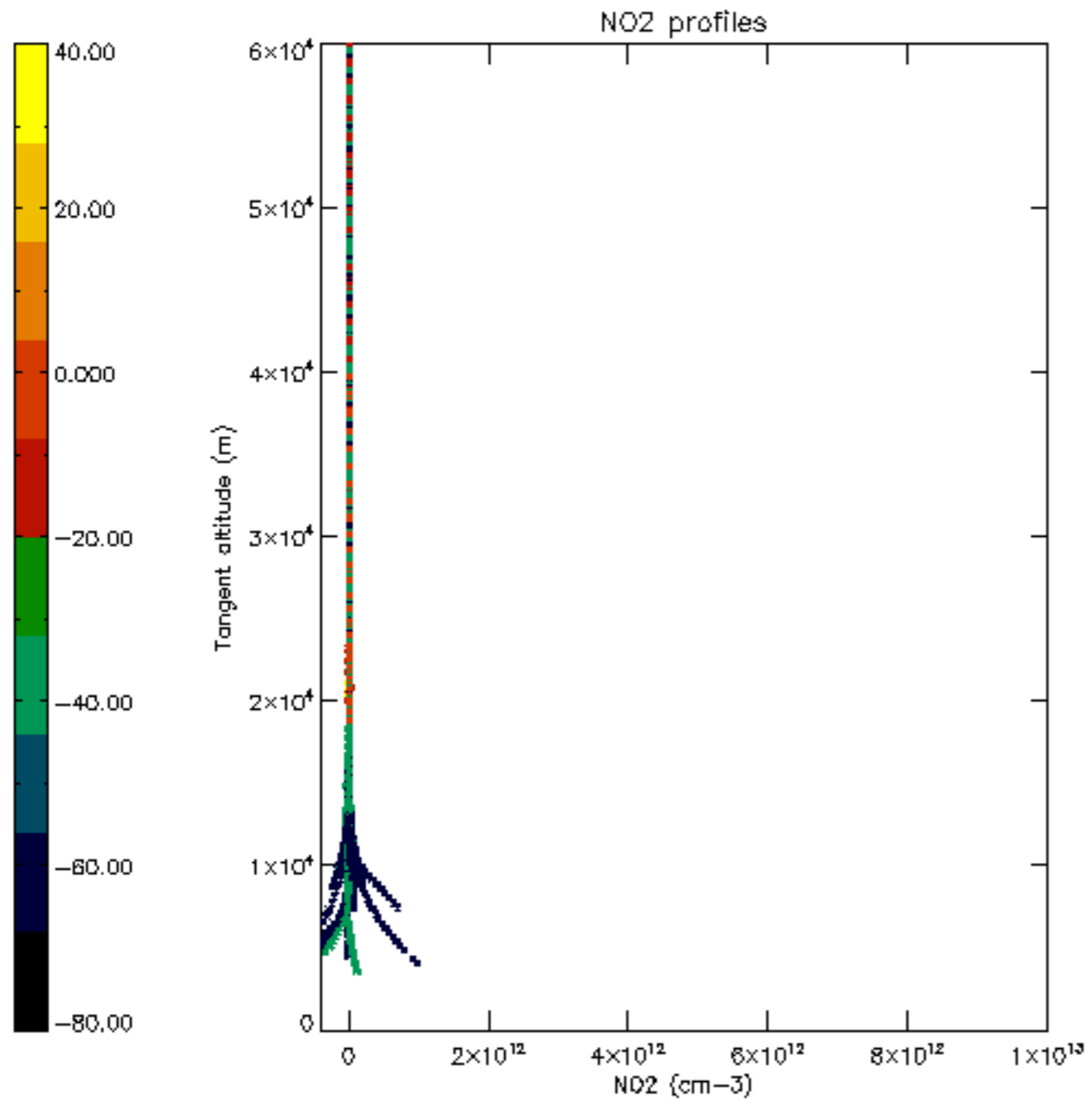


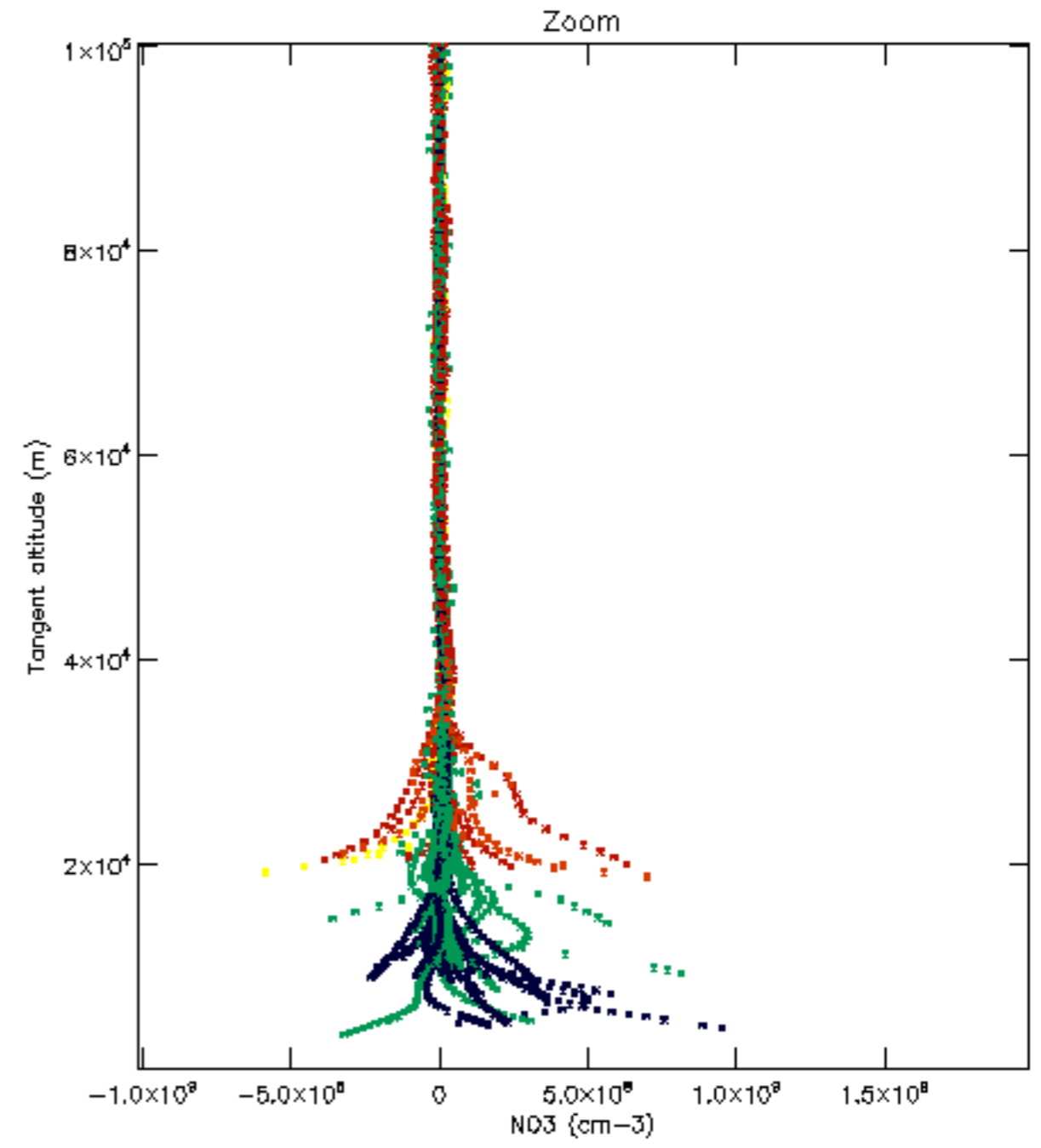
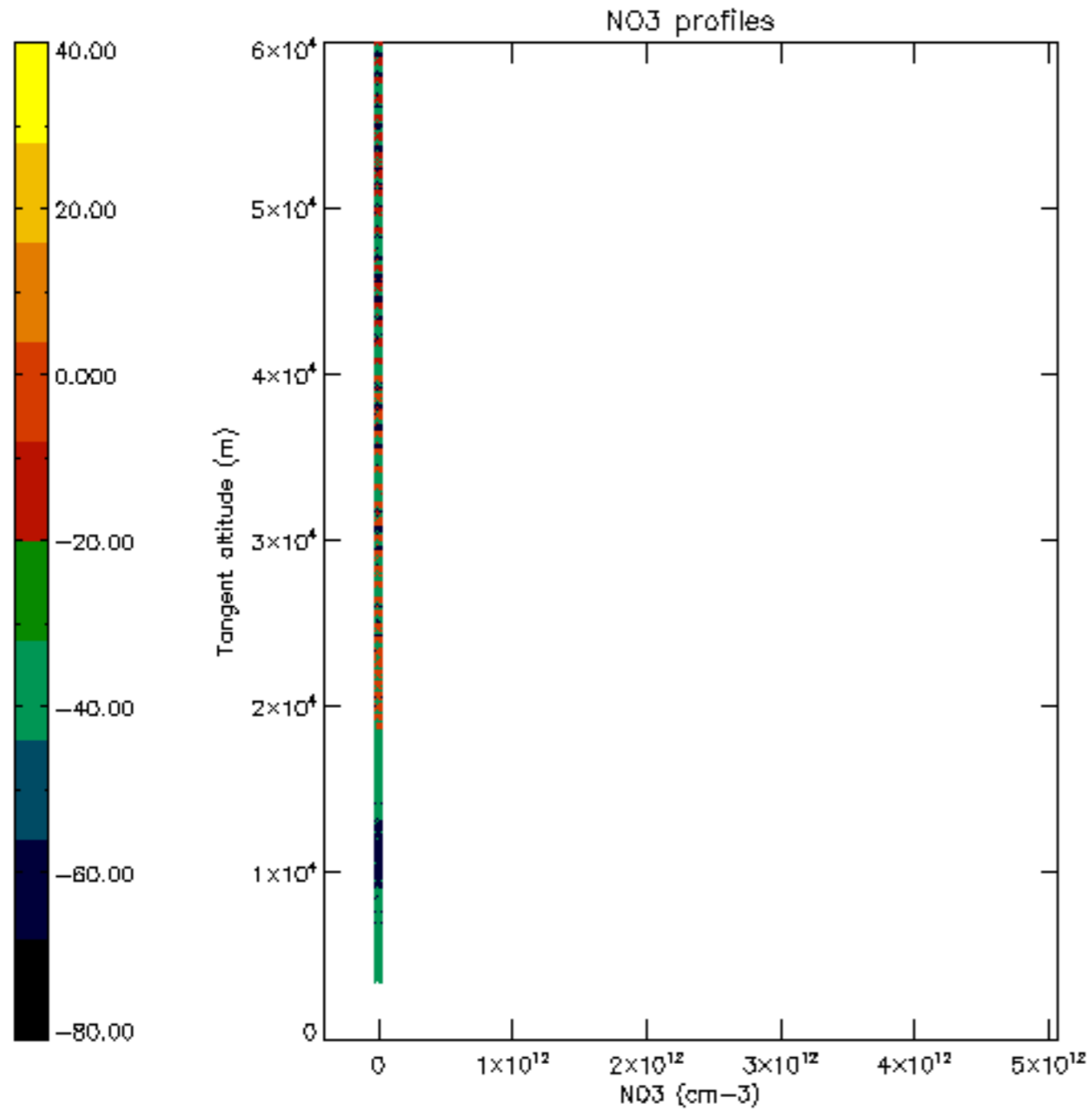


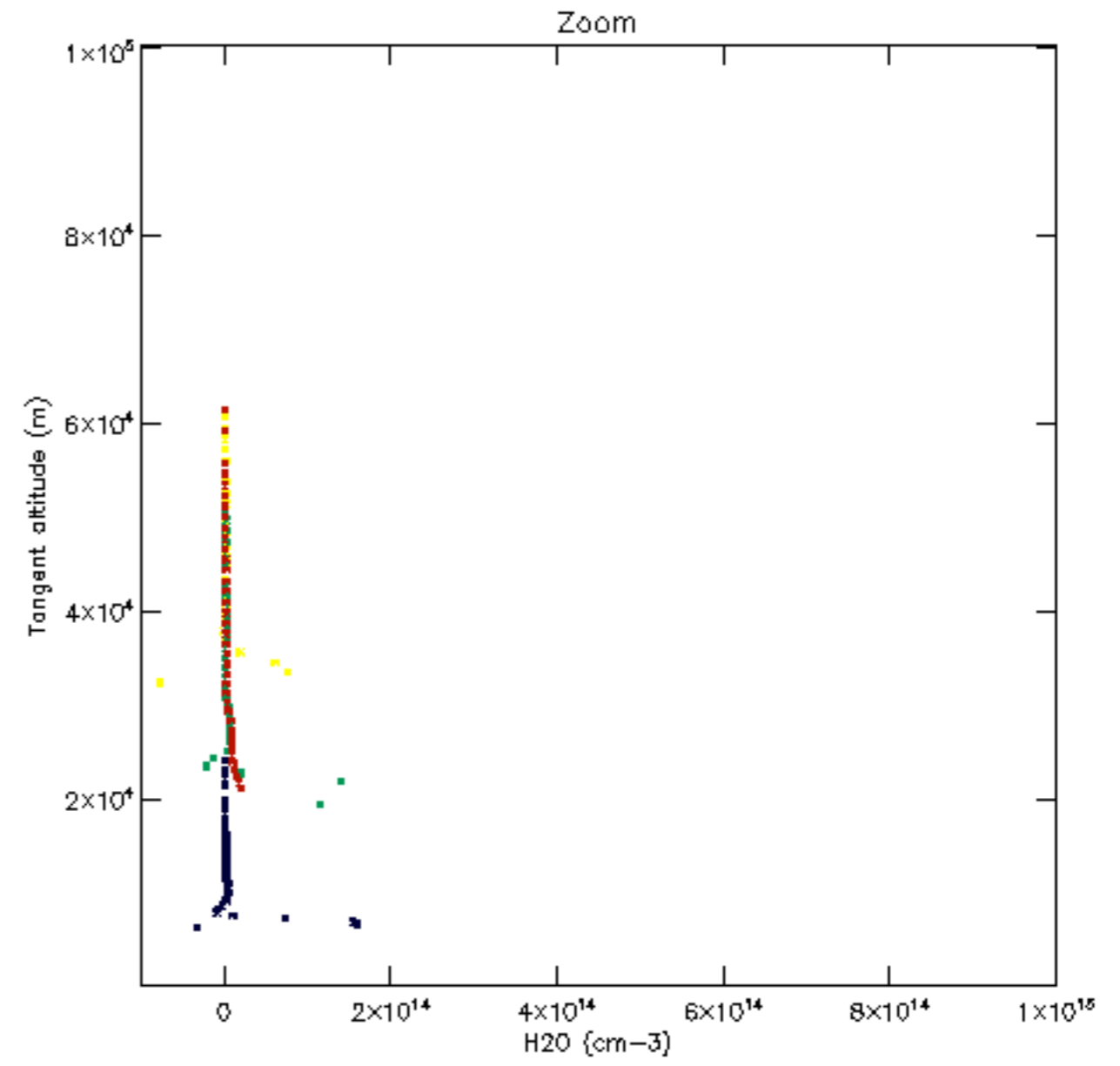
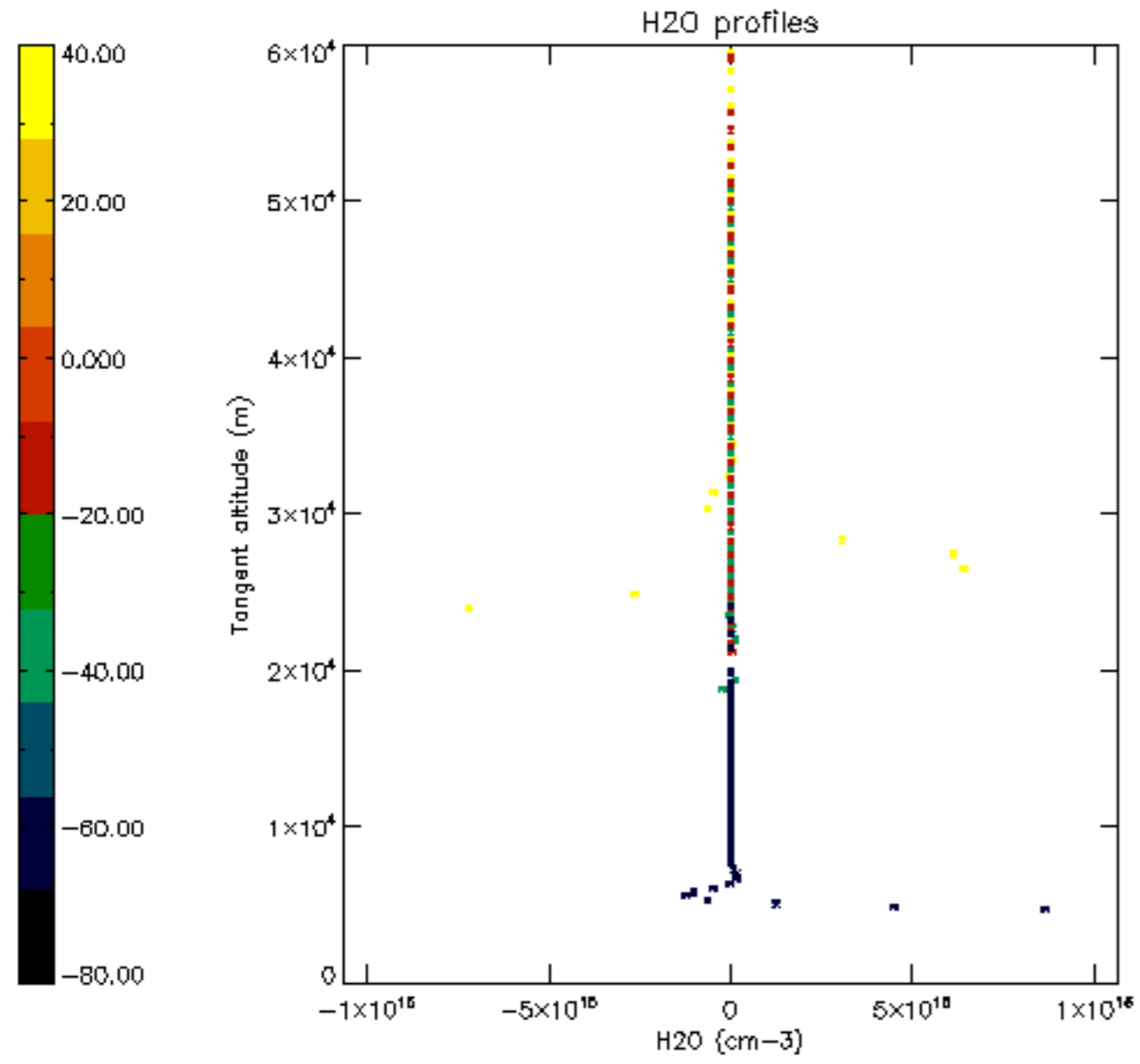


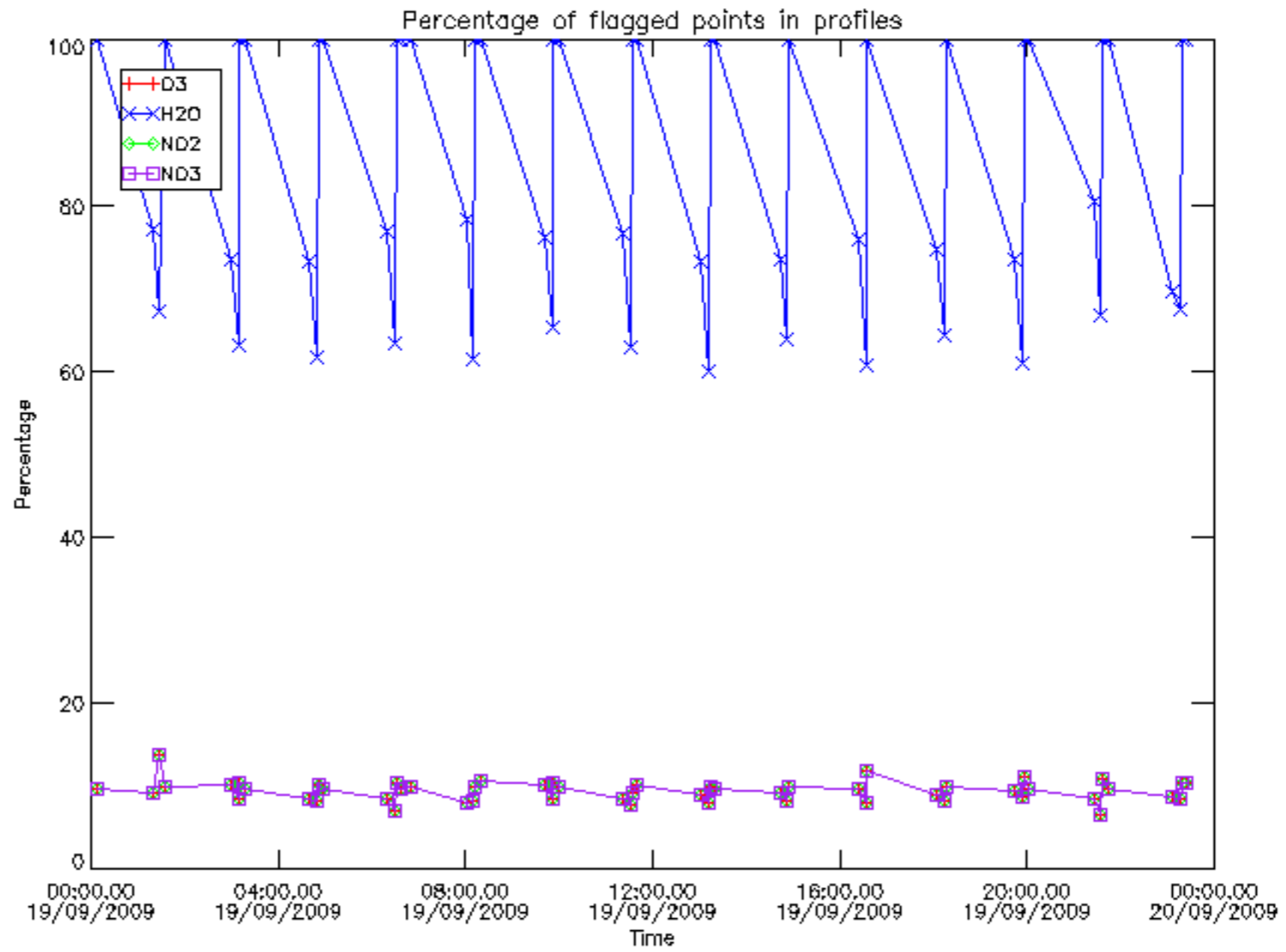




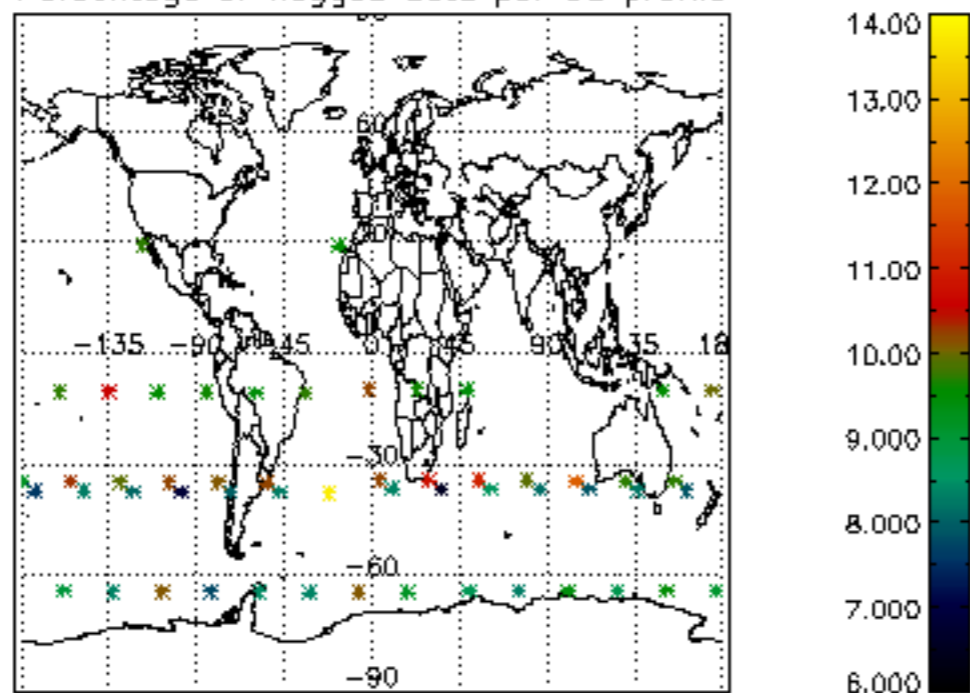




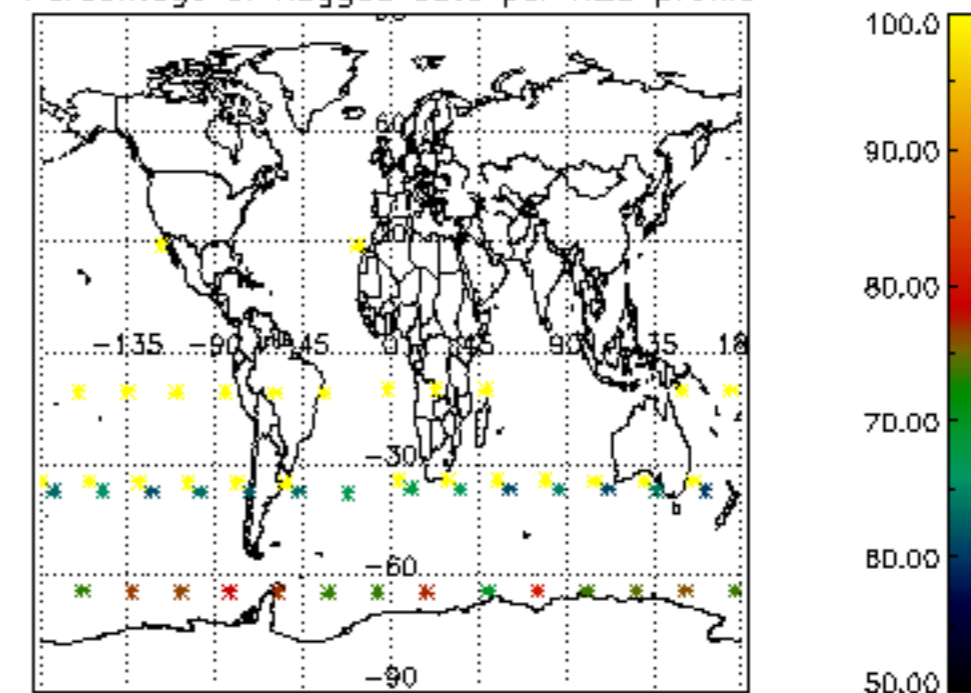




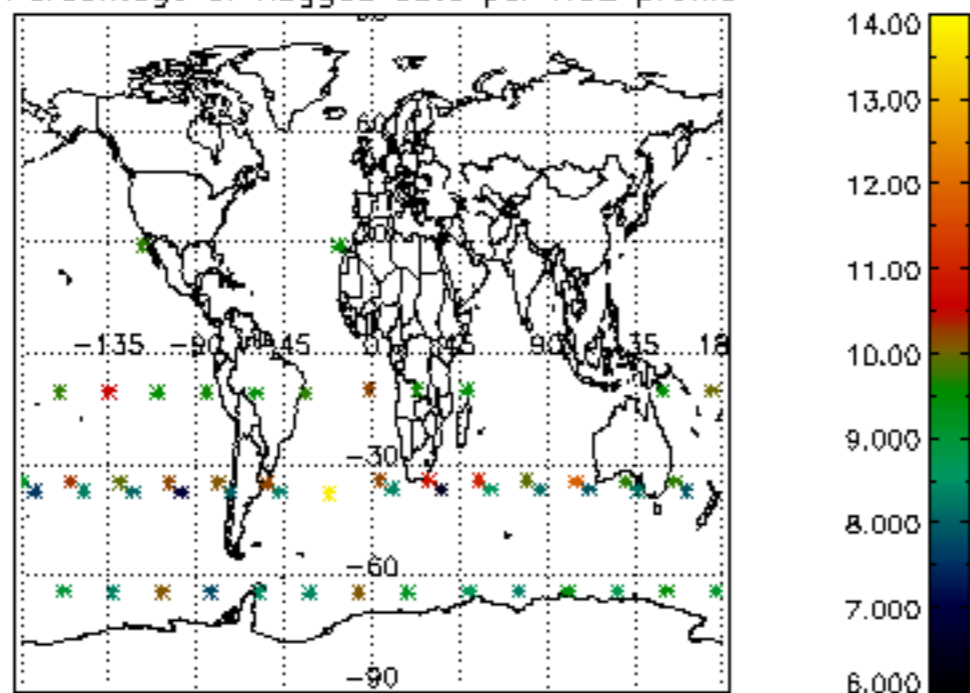
Percentage of flagged data per D3 profile



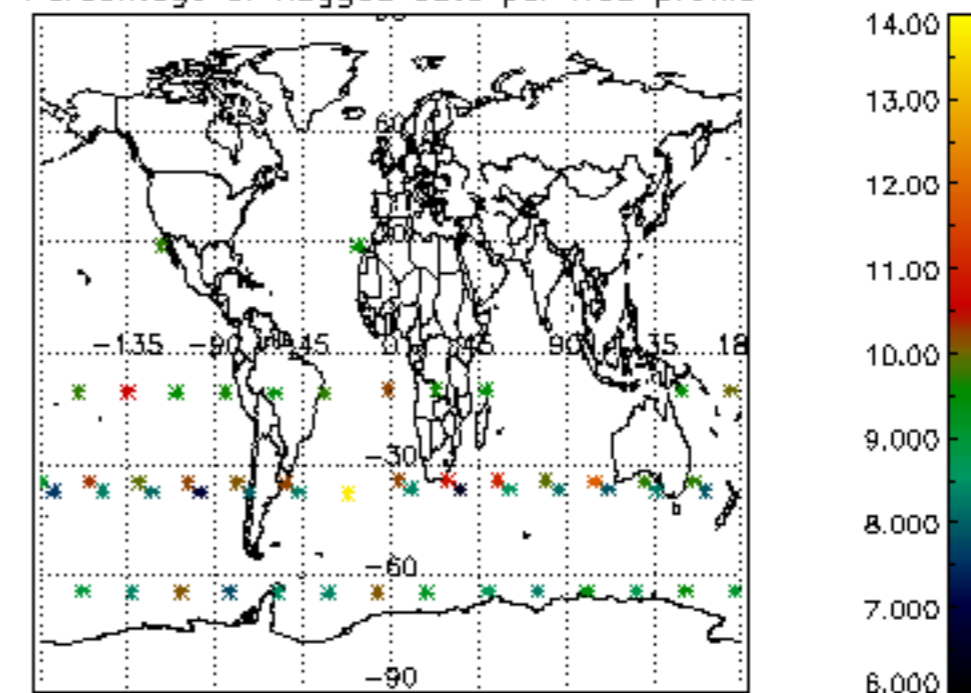
Percentage of flagged data per H2O profile

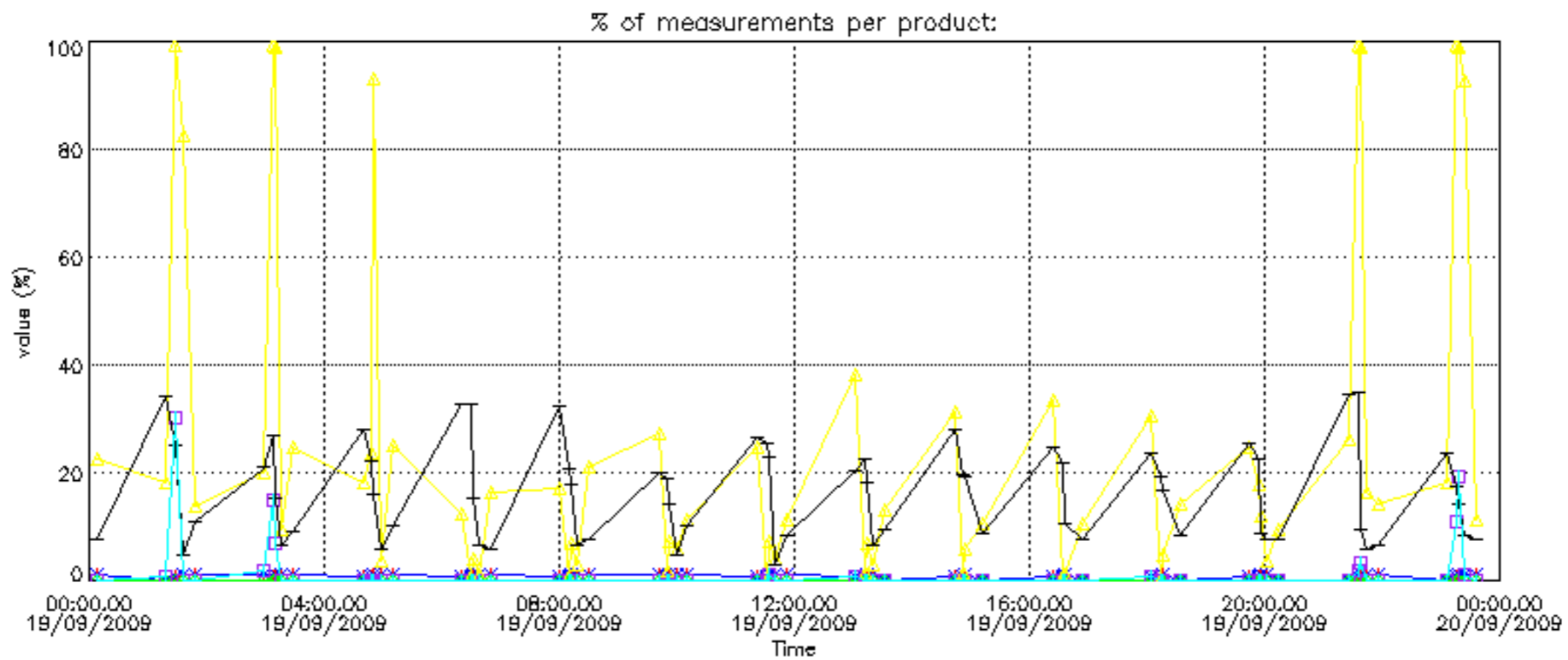


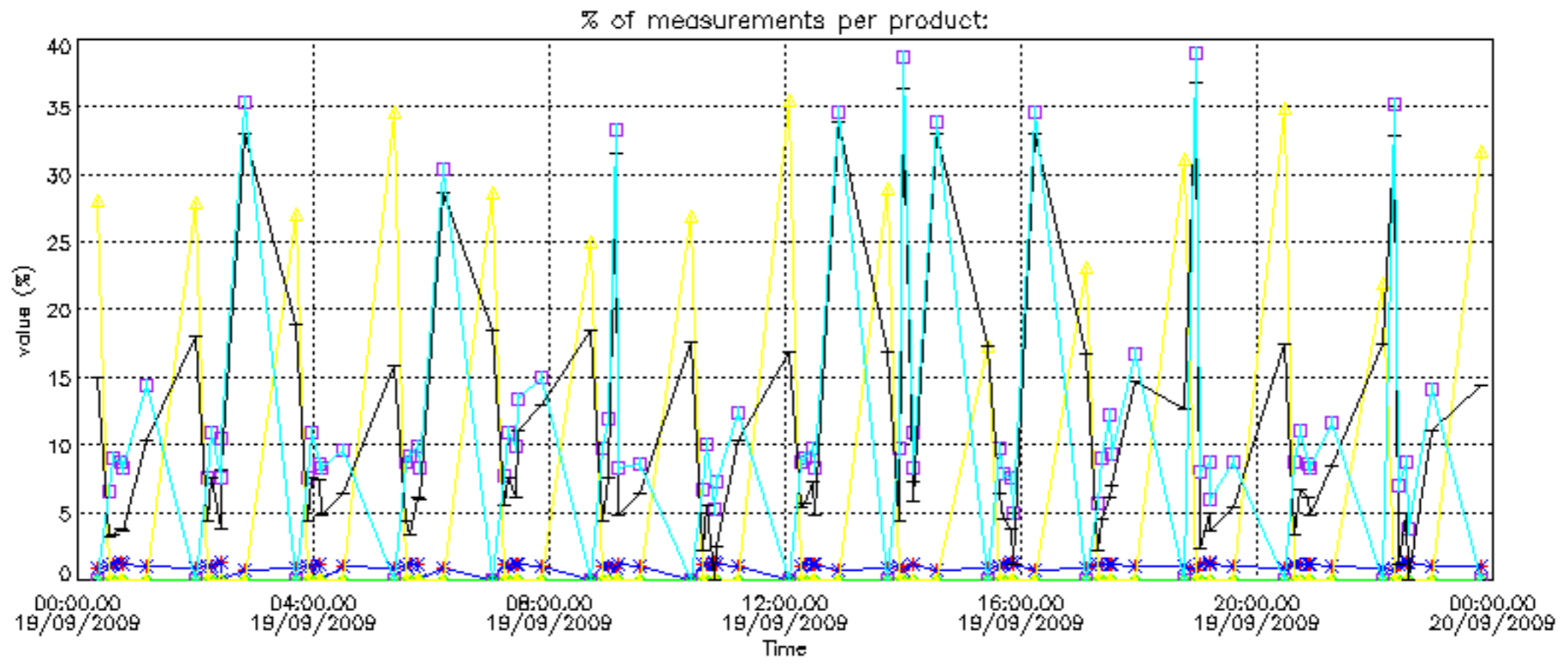
Percentage of flagged data per NO2 profile



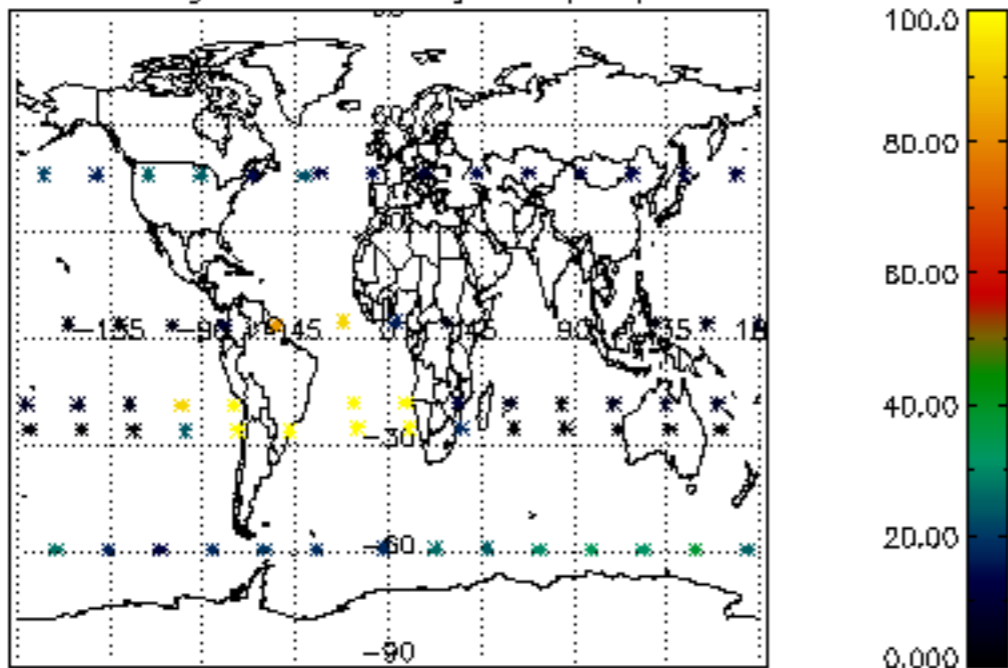
Percentage of flagged data per NO3 profile



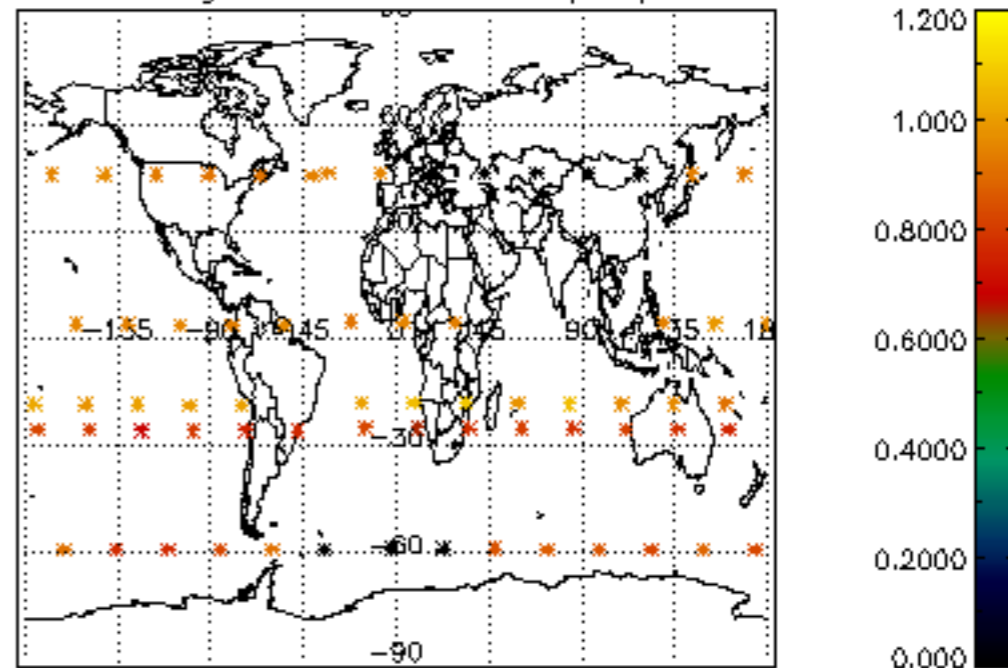




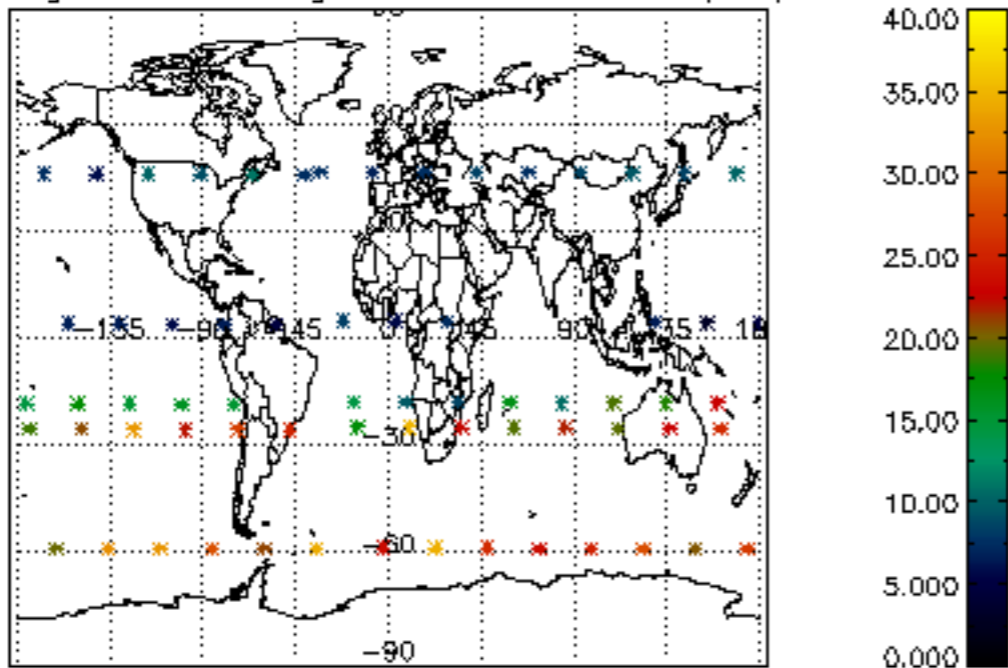
Percentage of cosmic ray hits per profile



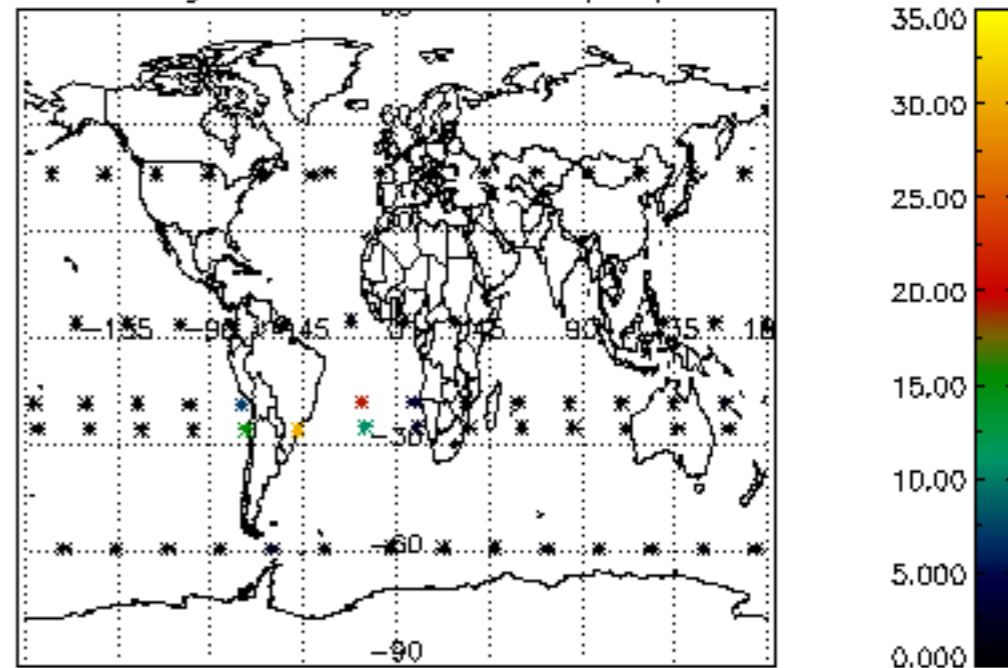
Percentage of datation errors per profile



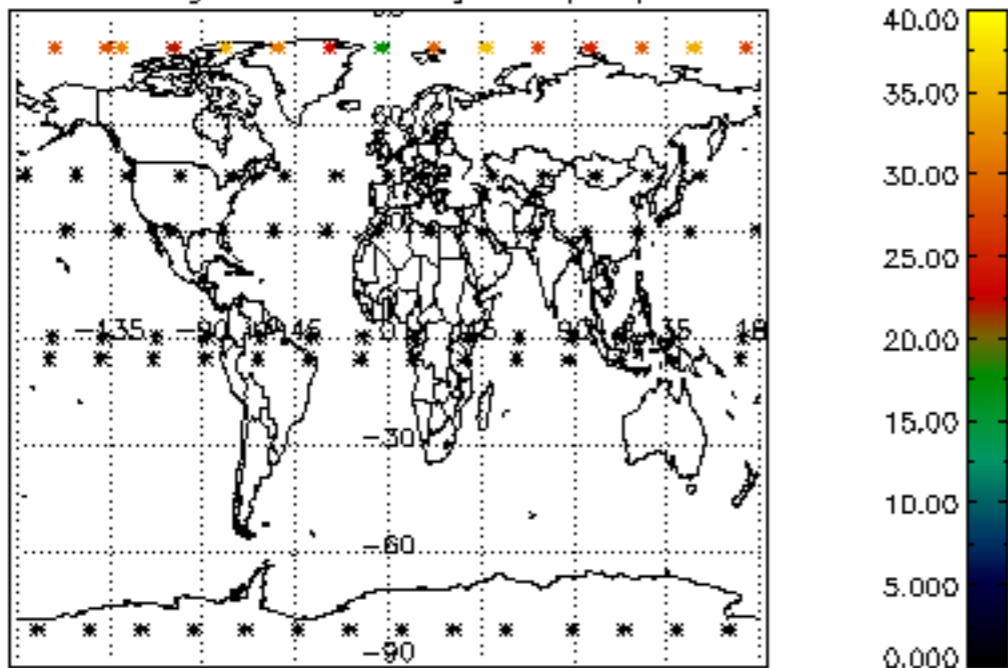
Percentage of star falling outside central band per profile



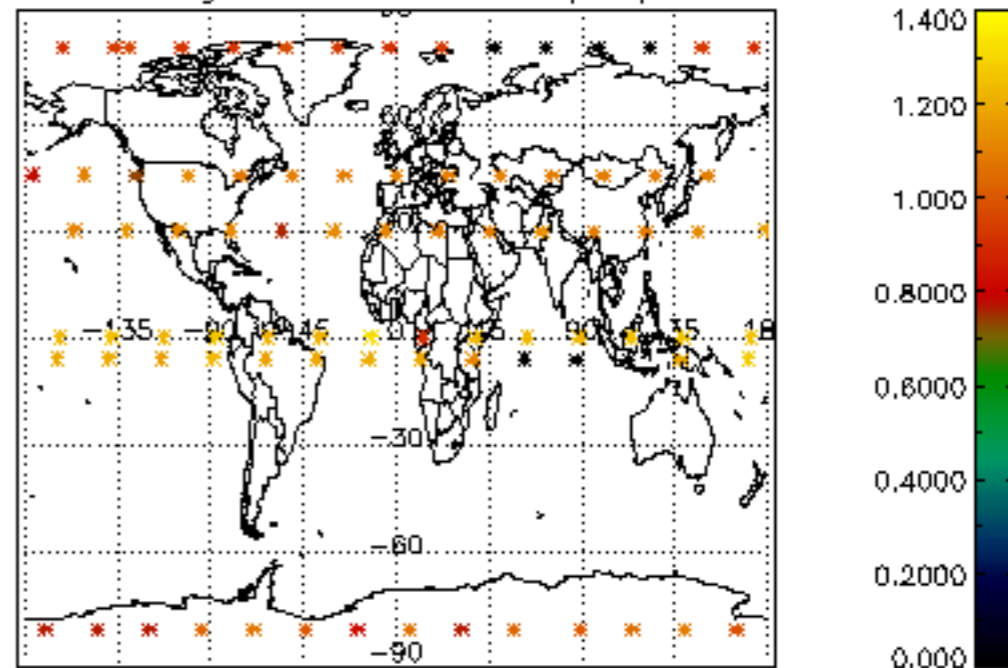
Percentage of saturation errors per profile



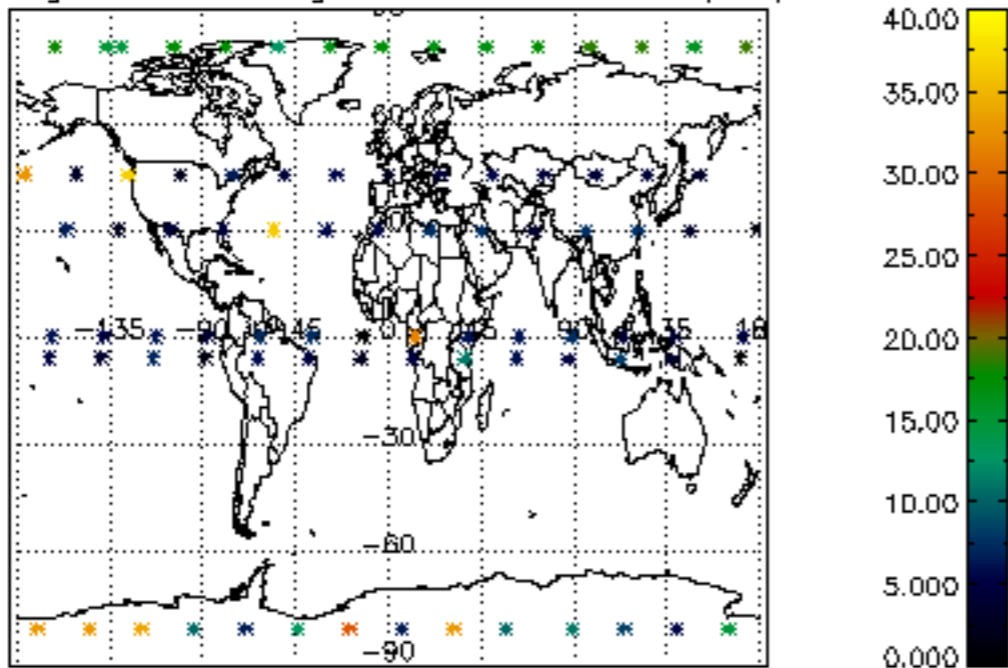
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

