

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](#)

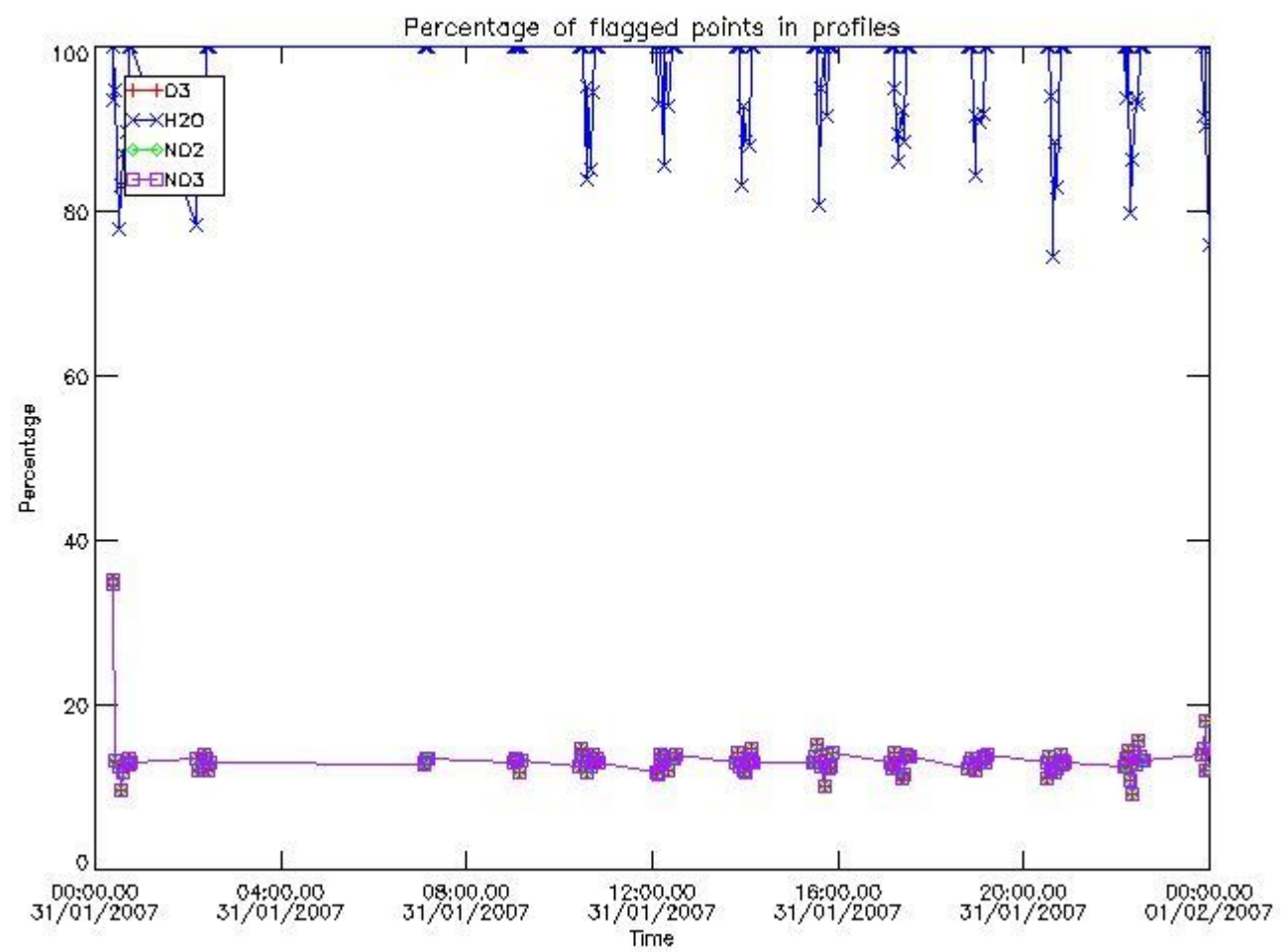
[6. Auxiliary Data Files used for the production reported in section 2](#)

279	GOM_NL__2PRFIN20070131_221115_000000412055_00129_25734_5949.N1	31-JAN-2007 22:11:15	Dark	41.000	40	The Sco	1.8590	7100.0	82	25734	No
280	GOM_NL__2PRFIN20070131_221308_000000382055_00129_25734_5950.N1	31-JAN-2007 22:13:08	Dark	37.500	147	Alp Ara	2.8770	26000.	75	25734	No
281	GOM_NL__2PRFIN20070131_221441_000000392055_00129_25734_5951.N1	31-JAN-2007 22:14:41	Dark	39.000	141	Bet Ara	2.8400	4600.0	78	25734	No
282	GOM_NL__2PRFIN20070131_221834_000000482055_00130_25735_5943.N1	31-JAN-2007 22:18:34	Dark	47.500	43	Alp TrA	1.9100	4250.0	95	25735	No
283	GOM_NL__2PRFIN20070131_221959_000000552055_00130_25735_5944.N1	31-JAN-2007 22:19:59	Dark	55.000	4	Alp1Cen	-0.010000	5800.0	110	25735	No
284	GOM_NL__2PRFIN20070131_222435_000000402055_00130_25735_5945.N1	31-JAN-2007 22:24:35	Dark	40.000	12	Alp1Cru	0.77500	30000.	80	25735	No
285	GOM_NL__2PRFIN20070131_222808_000000362055_00130_25735_5946.N1	31-JAN-2007 22:28:08	Dark	36.000	29	Bet Car	1.6720	10200.	72	25735	No
286	GOM_NL__2PRFIN20070131_223029_000000372055_00130_25735_5947.N1	31-JAN-2007 22:30:29	Dark	37.000	71	lot Car	2.2460	7700.0	74	25735	No
287	GOM_NL__2PRFIN20070131_223214_000000392055_00130_25735_5948.N1	31-JAN-2007 22:32:14	Dark	38.500	46	Del Vel	1.9540	10600.	77	25735	No
288	GOM_NL__2PRFIN20070131_223446_000000392055_00130_25735_5949.N1	31-JAN-2007 22:34:46	Dark	38.500	34	Gam2Vel	1.7930	23000.	77	25735	No
289	GOM_NL__2PRFIN20070131_223651_000000392055_00130_25735_5950.N1	31-JAN-2007 22:36:51	Straylight	38.500	70	Zet Pup	2.2460	39000.	77	25735	No
290	GOM_NL__2PRFIN20070131_223814_000000422055_00130_25735_5951.N1	31-JAN-2007 22:38:14	Straylight	41.500	117	Pi Pup	2.7060	3800.0	83	25735	No
291	GOM_NL__2PRFIN20070131_224040_000000392055_00130_25735_5952.N1	31-JAN-2007 22:40:40	Straylight	39.000	23	21Eps CMa	1.5020	26000.	78	25735	No
292	GOM_NL__2PRFIN20070131_224203_000000382055_00130_25735_5953.N1	31-JAN-2007 22:42:03	Straylight	38.000	179	24Omi2CMa	3.0320	24000.	76	25735	No
293	GOM_NL__2PRFIN20070131_224412_000000462055_00130_25735_5954.N1	31-JAN-2007 22:44:12	Straylight	45.500	1	9Alp CMa	-1.4400	11000.	91	25735	No
294	GOM_NL__2PRFIN20070131_225000_000000532055_00130_25735_5955.N1	31-JAN-2007 22:50:00	Twilight	52.500	8	10Alp CMI	0.40000	6500.0	105	25735	No
295	GOM_NL__2PRFIN20070131_225325_000000362055_00130_25735_5956.N1	31-JAN-2007 22:53:25	Bright	36.000	44	24Gam Gem	1.9280	11000.	72	25735	No
296	GOM_NL__2PRFIN20070131_225516_000000382055_00130_25735_5957.N1	31-JAN-2007 22:55:16	Bright	37.500	151	13Mu Gem	2.8900	3000.0	75	25735	No
297	GOM_NL__2PRFIN20070131_225933_000000352055_00130_25735_5958.N1	31-JAN-2007 22:59:33	Bright	35.000	107	37The Aur	2.6490	11000.	70	25735	No
298	GOM_NL__2PRFIN20070131_230139_000000362055_00130_25735_5959.N1	31-JAN-2007 23:01:39	Bright	35.500	42	34Bet Aur	1.9000	10200.	71	25735	No
299	GOM_NL__2PRFIN20070131_231354_000000322055_00130_25735_5960.N1	31-JAN-2007 23:13:54	Bright	32.000	49	1Alp UMi	1.9900	6300.0	64	25735	No
300	GOM_NL__2PRFIN20070131_232506_000000392055_00130_25735_5961.N1	31-JAN-2007 23:25:06	Bright	38.500	69	33Gam Dra	2.2310	3800.0	77	25735	No
301	GOM_NL__2PRFIN20070131_232831_000000342055_00130_25735_5962.N1	31-JAN-2007 23:28:31	Bright	33.500	5	3Alp Lyr	0.033000	11000.	67	25735	No
302	GOM_NL__2PRFIN20070131_233643_000000372055_00130_25735_5963.N1	31-JAN-2007 23:36:43	Bright	36.500	59	55Alp Oph	2.0800	8900.0	73	25735	No
303	GOM_NL__2PRFIN20070131_233851_000000372055_00130_25735_5964.N1	31-JAN-2007 23:38:51	Bright	37.000	126	60Bet Oph	2.7700	4250.0	74	25735	No
304	GOM_NL__2PRFIN20070131_234519_000000452055_00130_25735_5965.N1	31-JAN-2007 23:45:19	Twilight	44.500	86	35Eta Oph	2.4300	10200.	89	25735	No
305	GOM_NL__2PRFIN20070131_234803_000000412055_00130_25735_5966.N1	31-JAN-2007 23:48:03	Twilight	40.500	167	10Gam2Sgr	2.9840	4500.0	81	25735	No
306	GOM_NL__2PRFIN20070131_235023_000000402055_00130_25735_5967.N1	31-JAN-2007 23:50:23	Dark	40.000	25	35Lam Sco	1.6200	28000.	80	25735	No
307	GOM_NL__2PRFIN20070131_235151_000000422055_00130_25735_5968.N1	31-JAN-2007 23:51:51	Dark	41.500	40	The Sco	1.8590	7100.0	83	25735	No
308	GOM_NL__2PRFIN20070131_235344_000000372055_00130_25735_5969.N1	31-JAN-2007 23:53:44	Dark	36.500	147	Alp Ara	2.8770	26000.	73	25735	No
309	GOM_NL__2PRFIN20070131_235518_000000422055_00130_25735_5970.N1	31-JAN-2007 23:55:18	Dark	42.000	141	Bet Ara	2.8400	4600.0	84	25735	No
310	GOM_NL__2PRFIN20070131_235910_000000422055_00131_25736_5955.N1	31-JAN-2007 23:59:10	Dark	42.000	43	Alp TrA	1.9100	4250.0	84	25736	No

3. Quality information per product

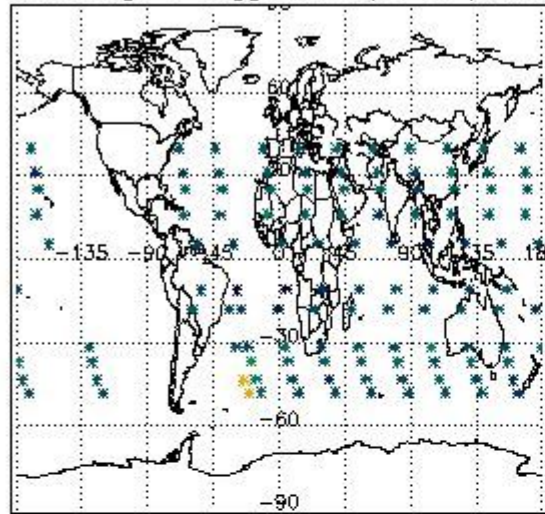
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

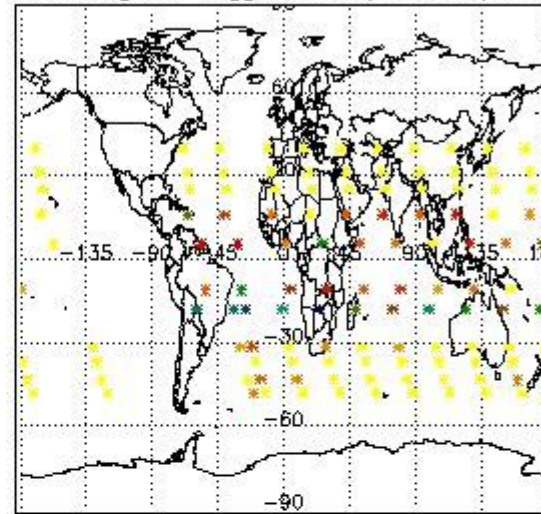


3.2 Plot quality information per product (world map)

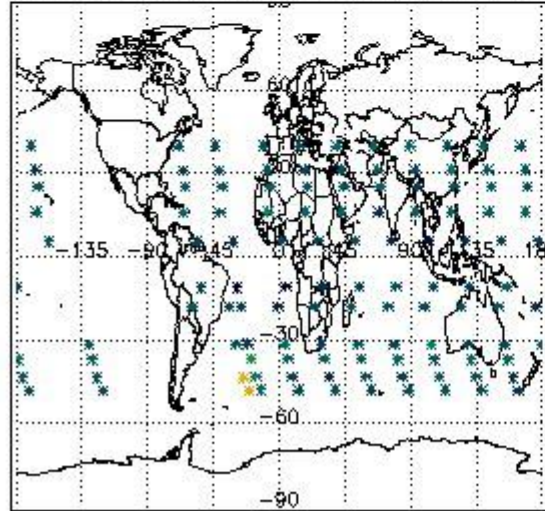
Percentage of flagged data per O3 profile



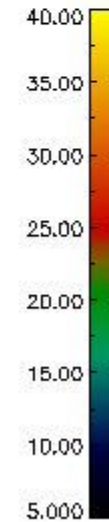
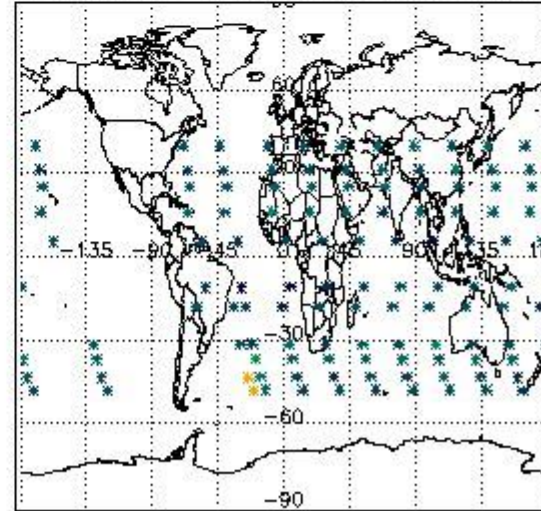
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

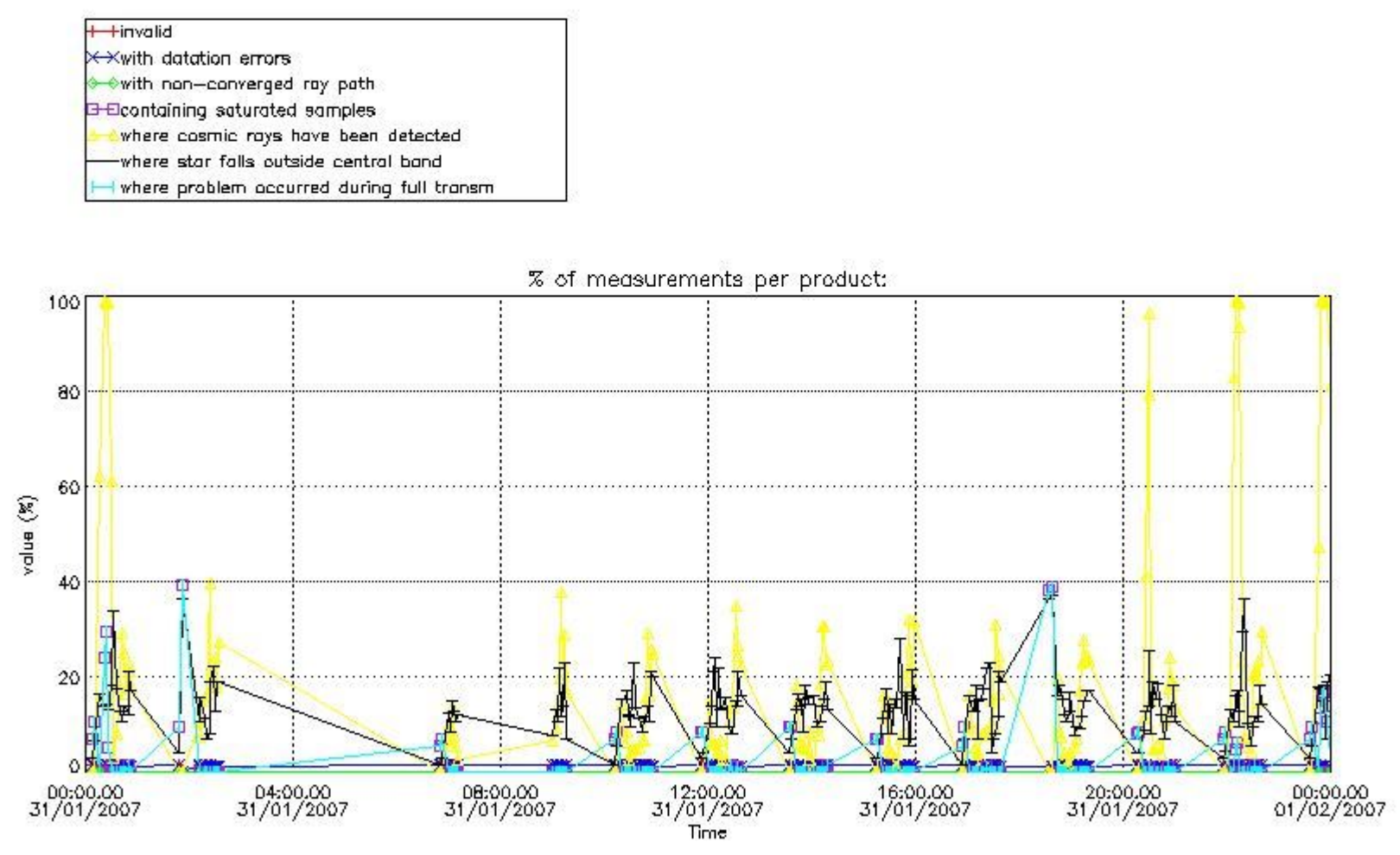


4. Level 1 quality information per product

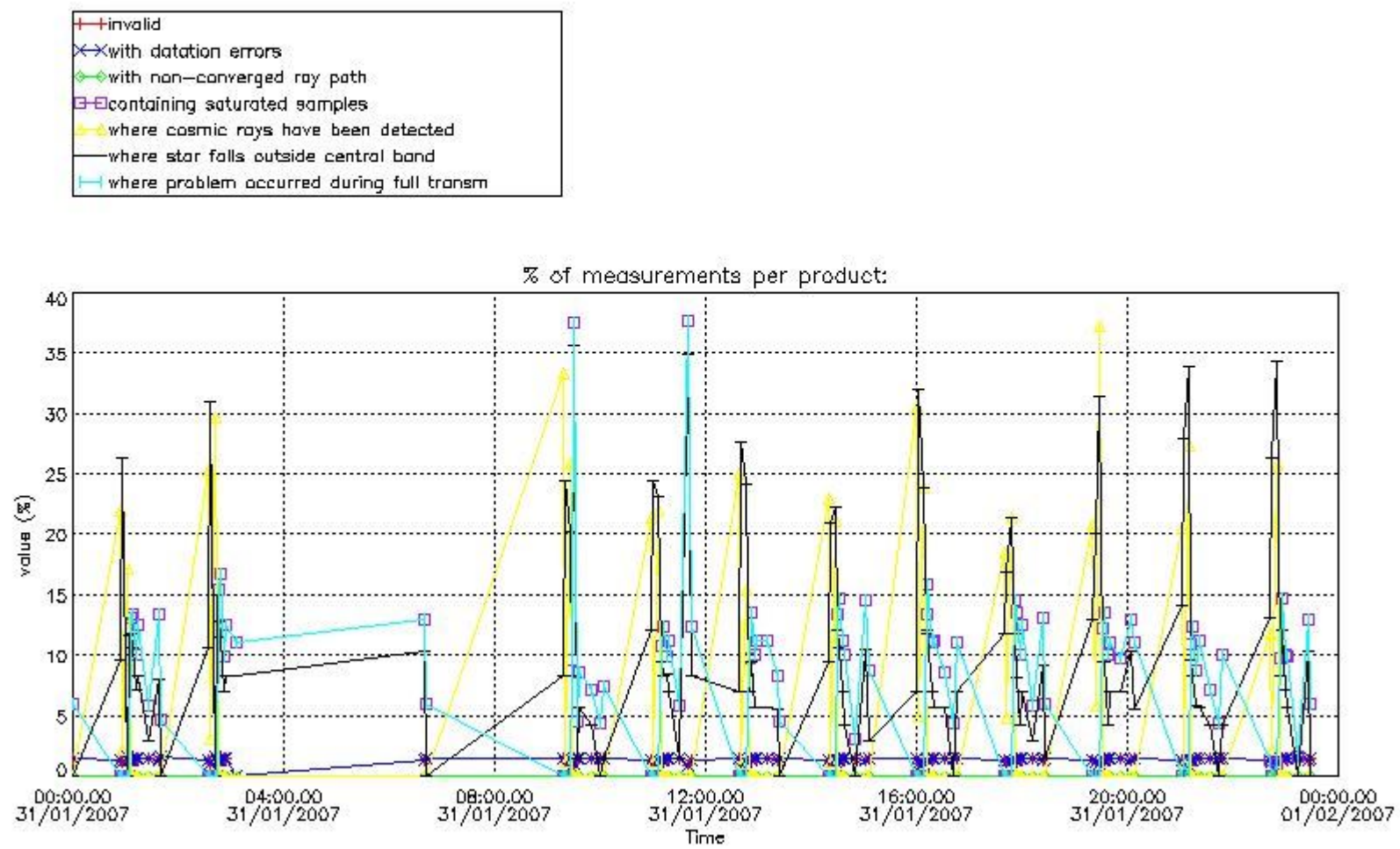
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

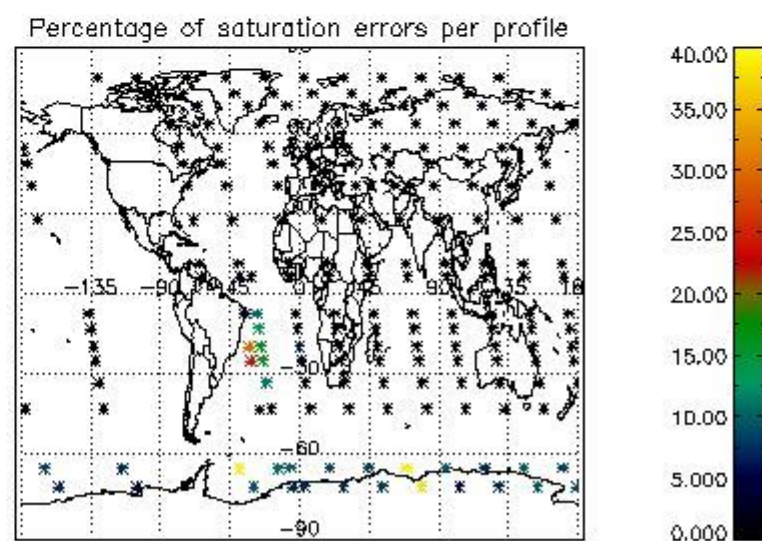
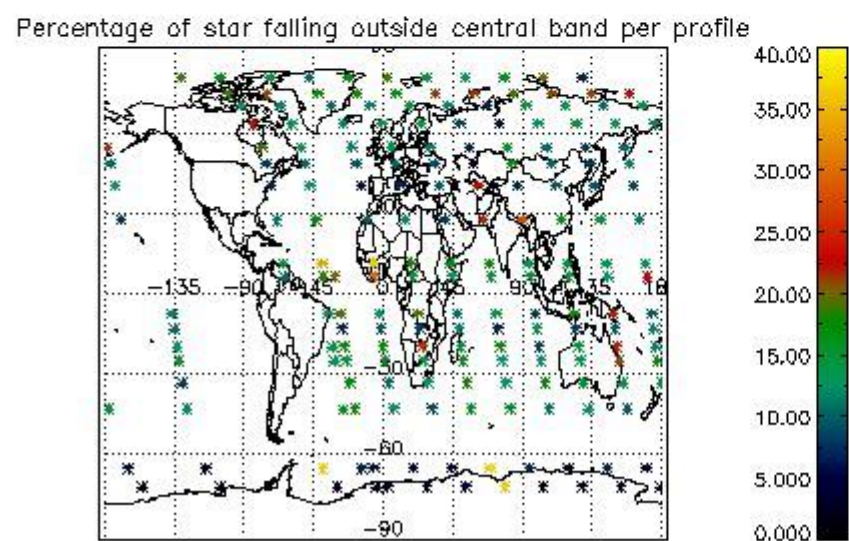
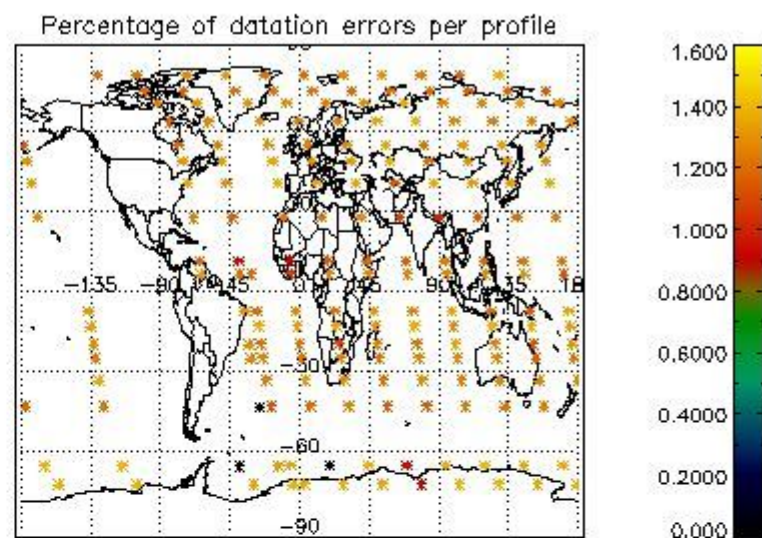
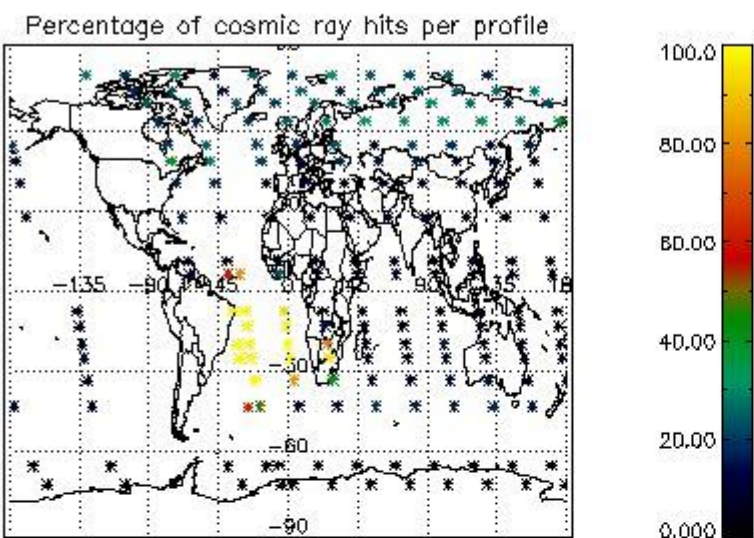


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

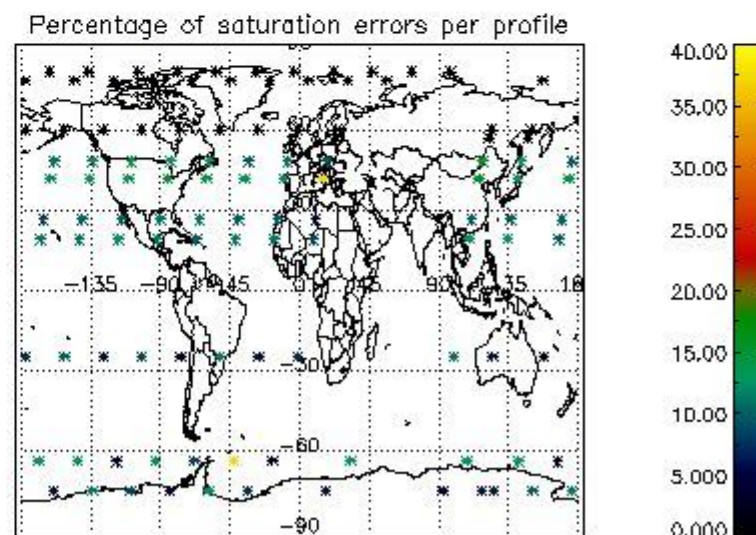
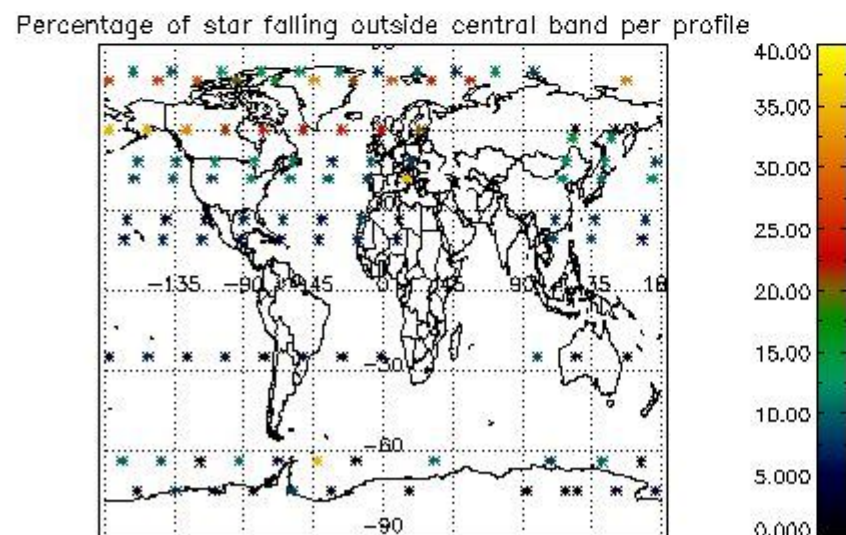
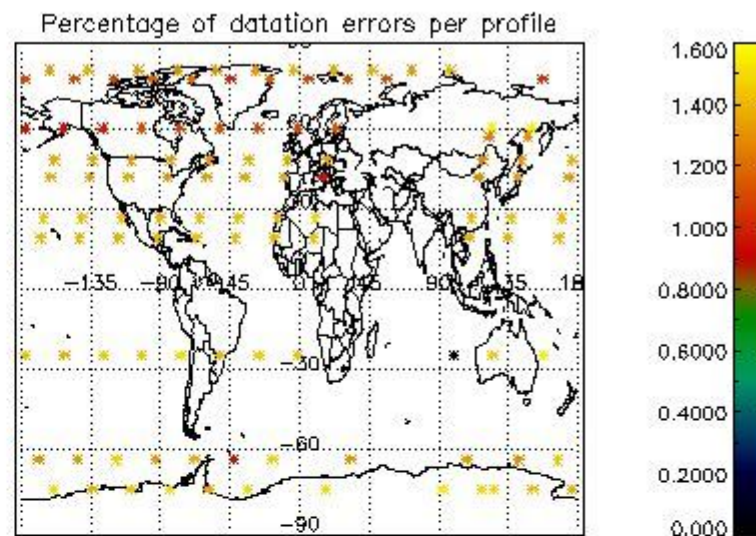
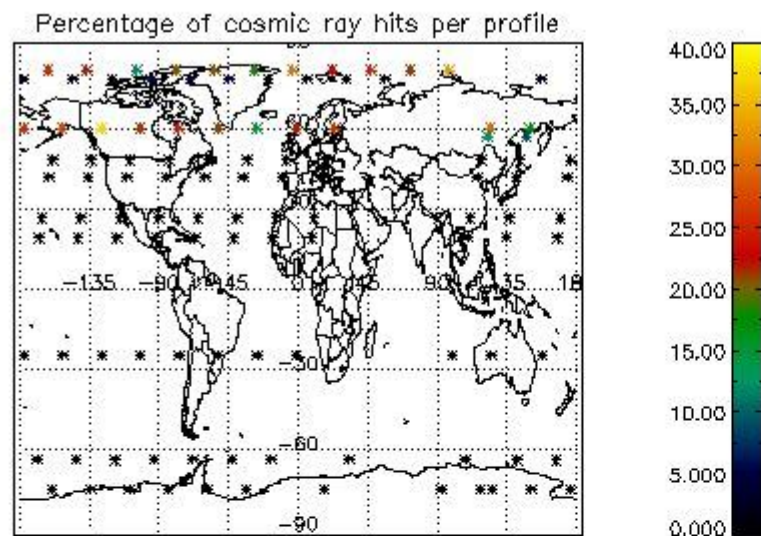


4.2 Plot quality information per product coming from level 1b processing (world map)

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

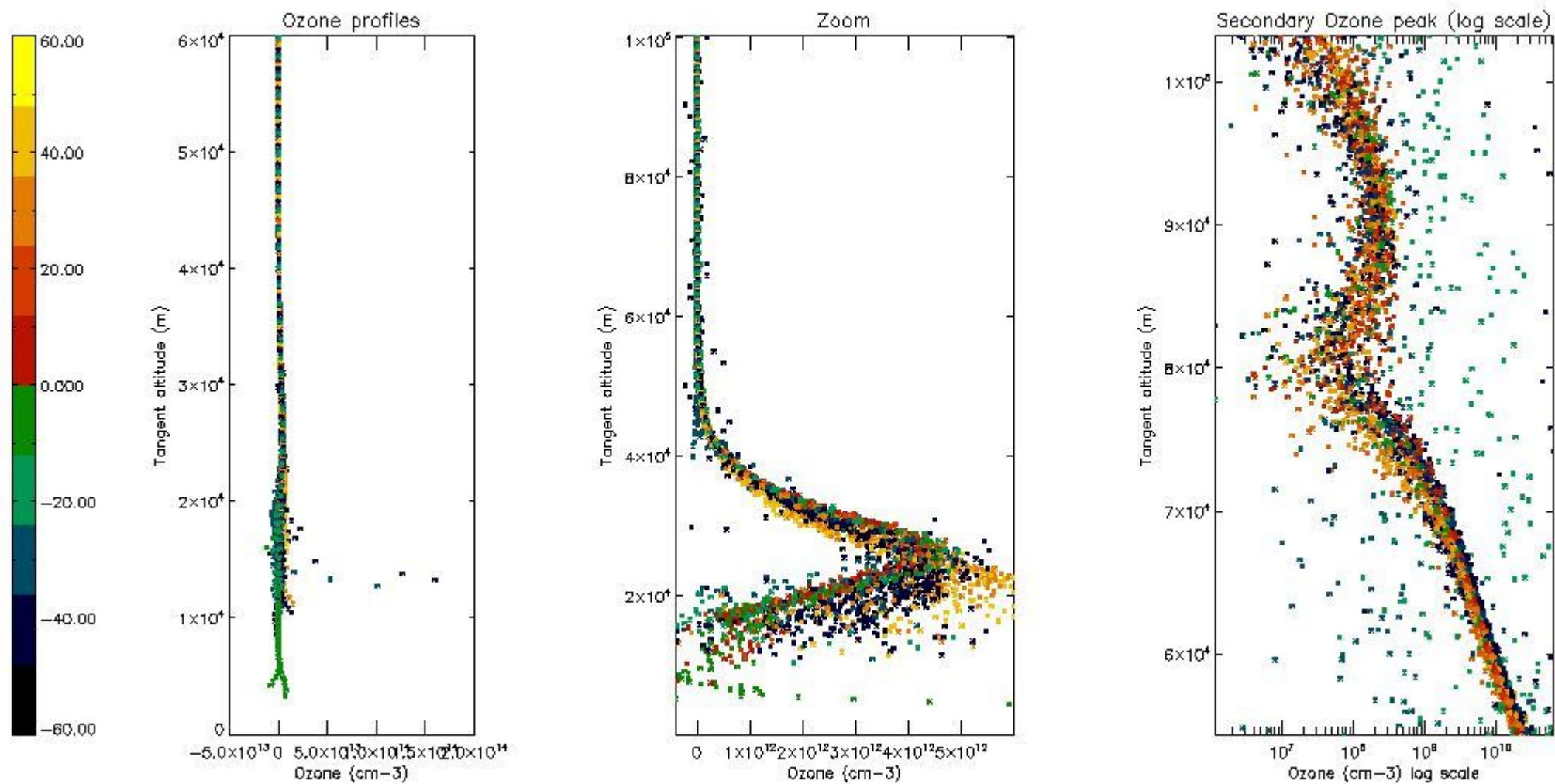
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	40
STD < 20	22

STD < 10	18
STD < 5	12

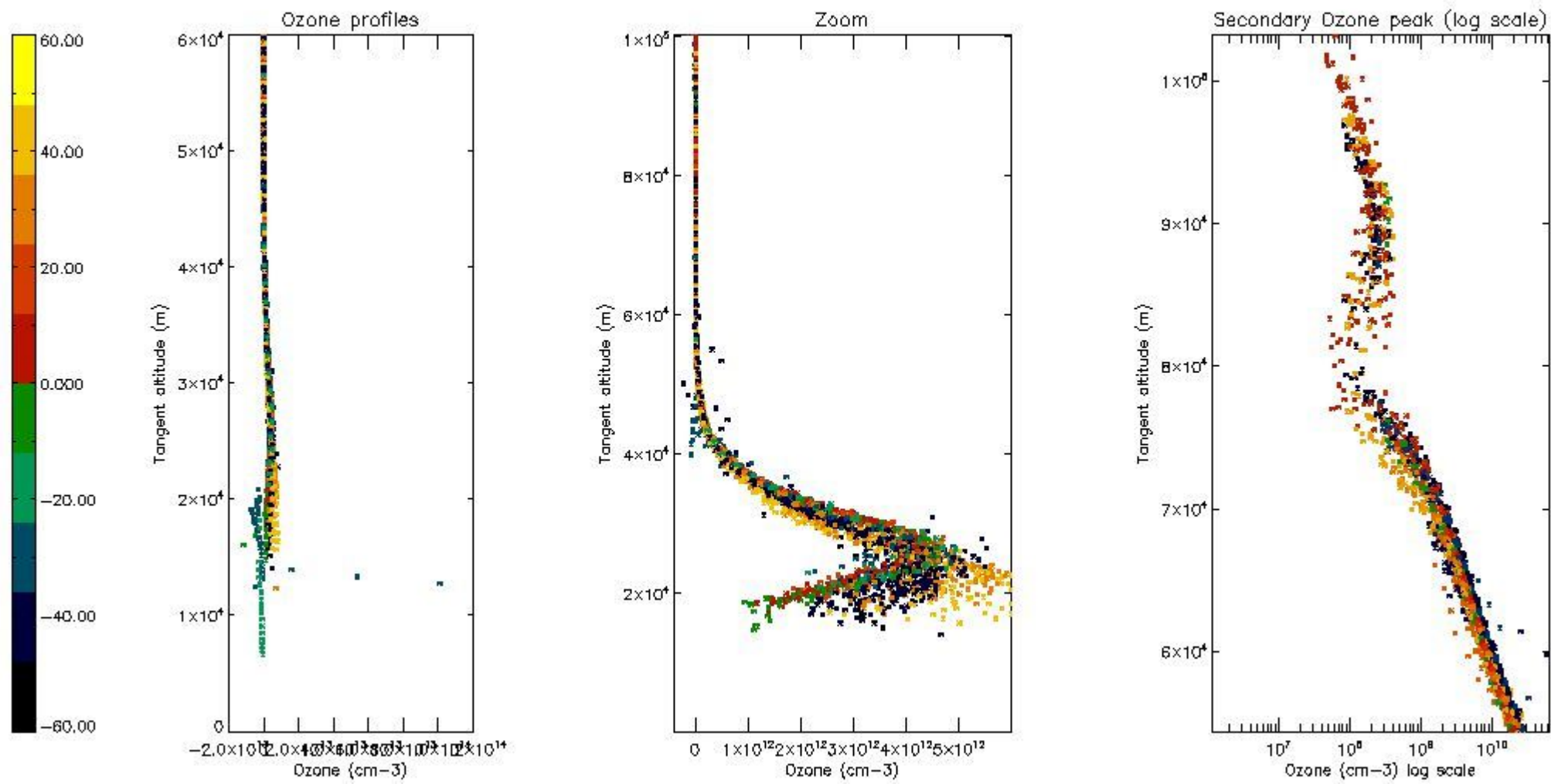
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



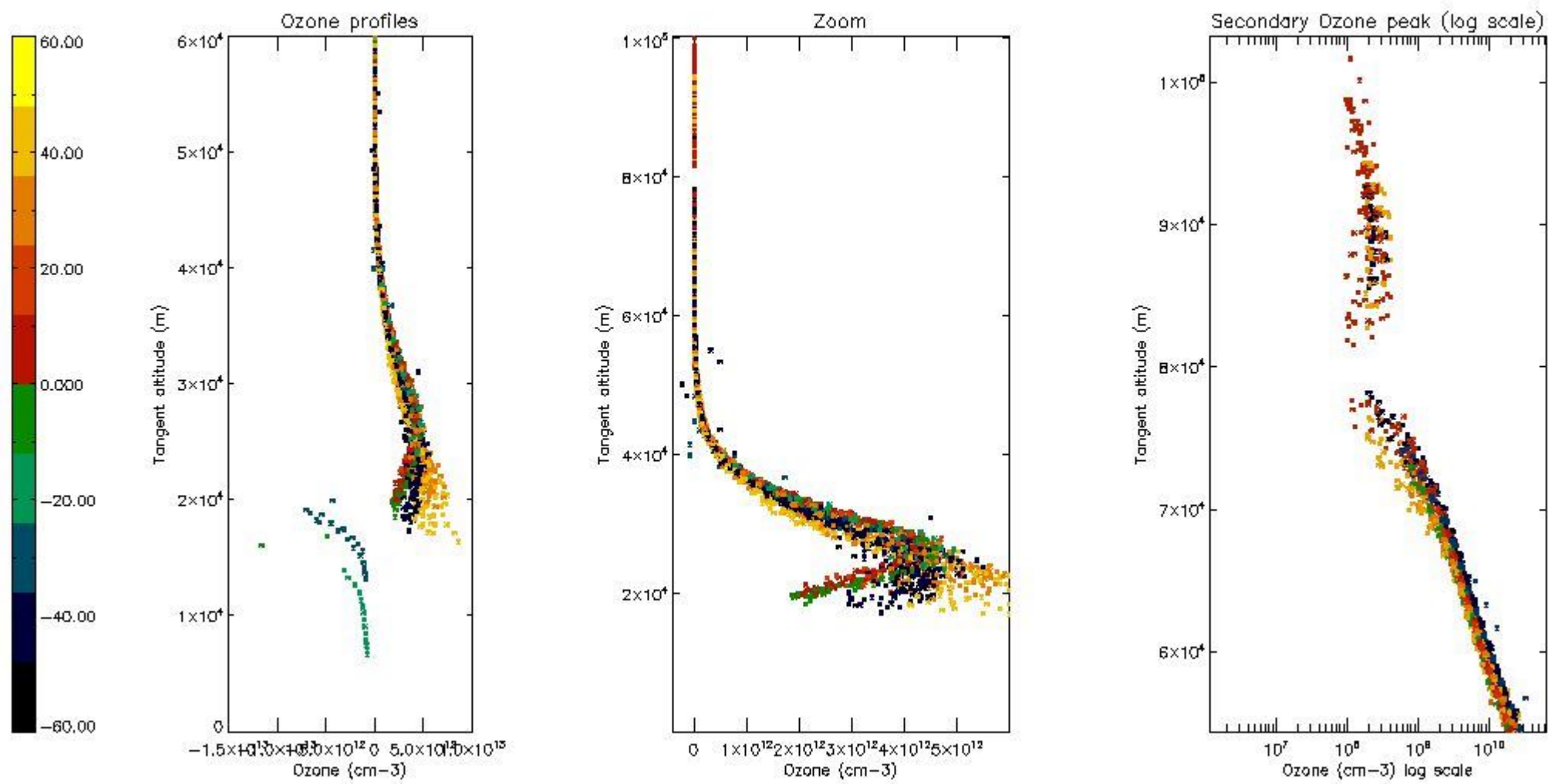
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



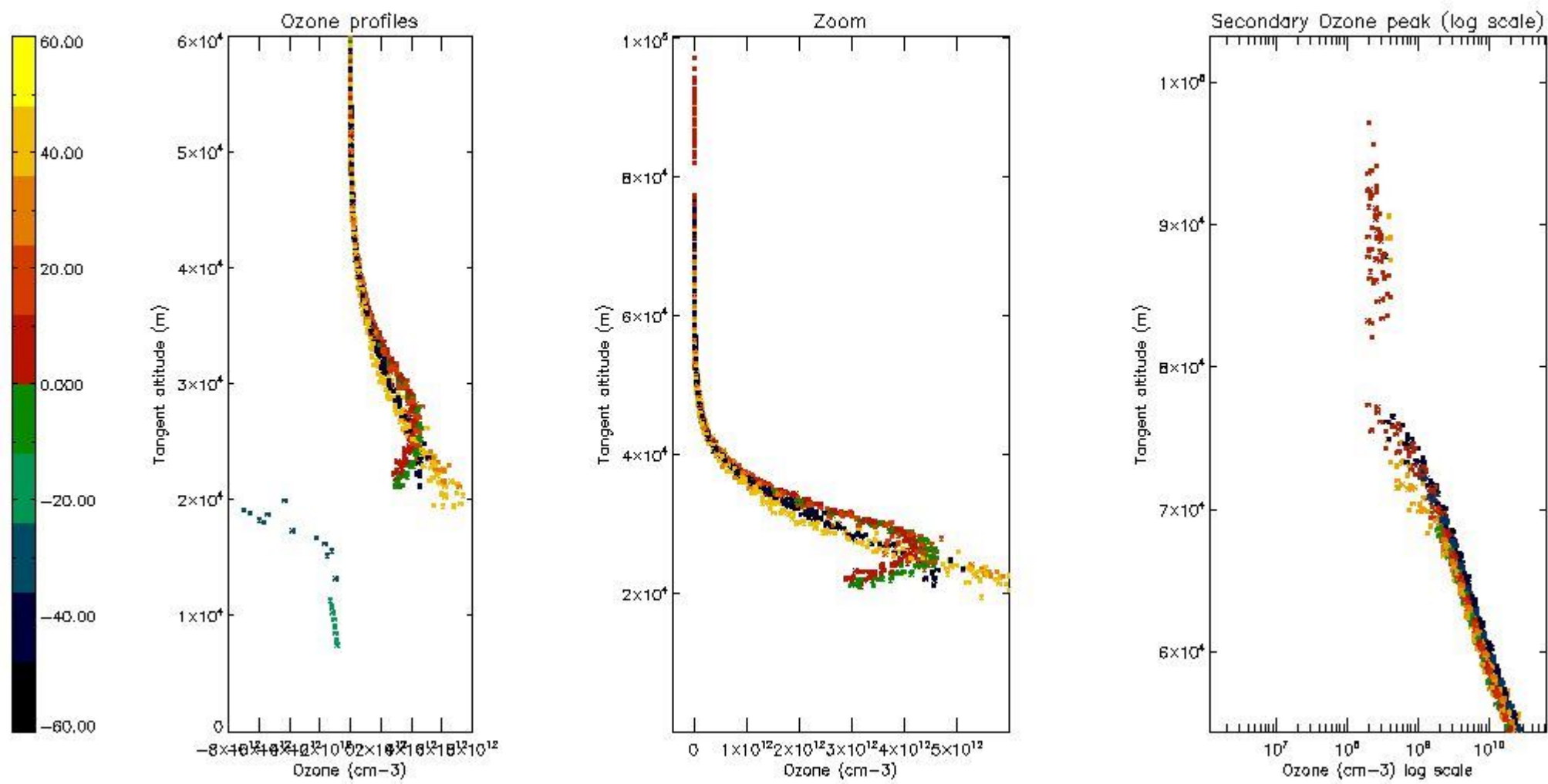
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



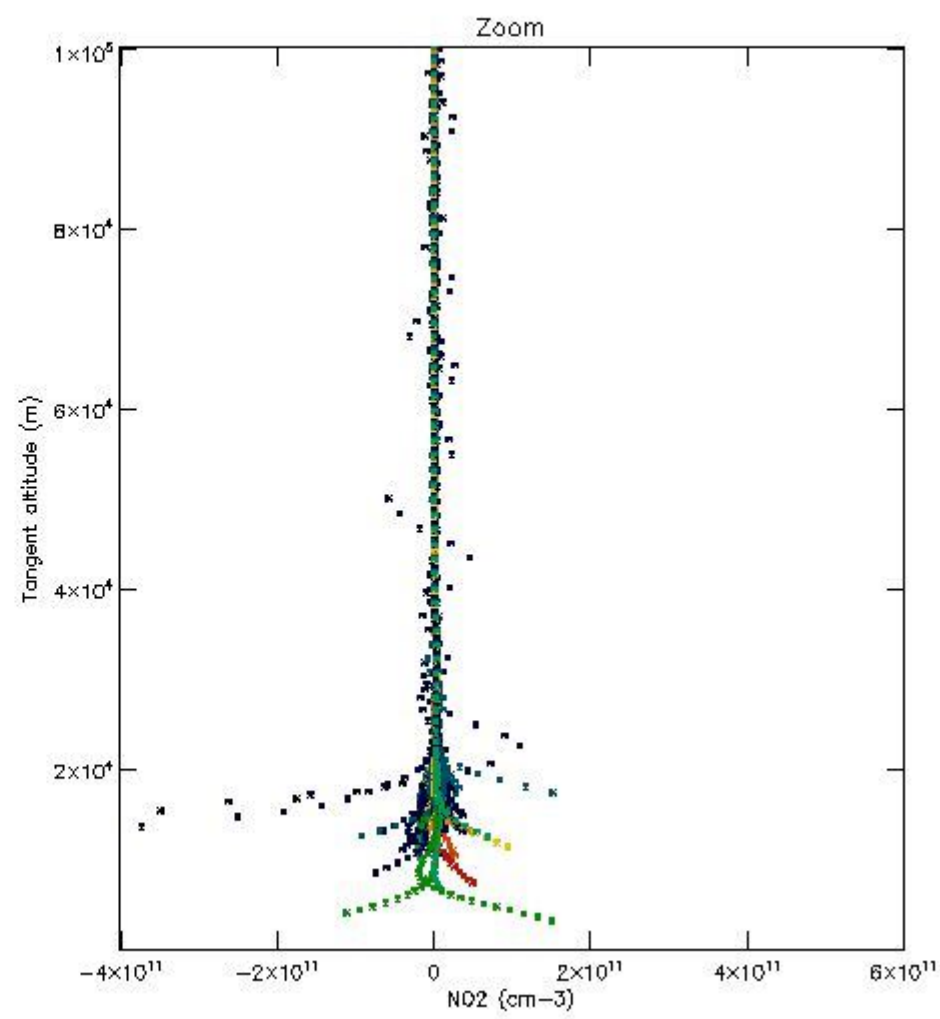
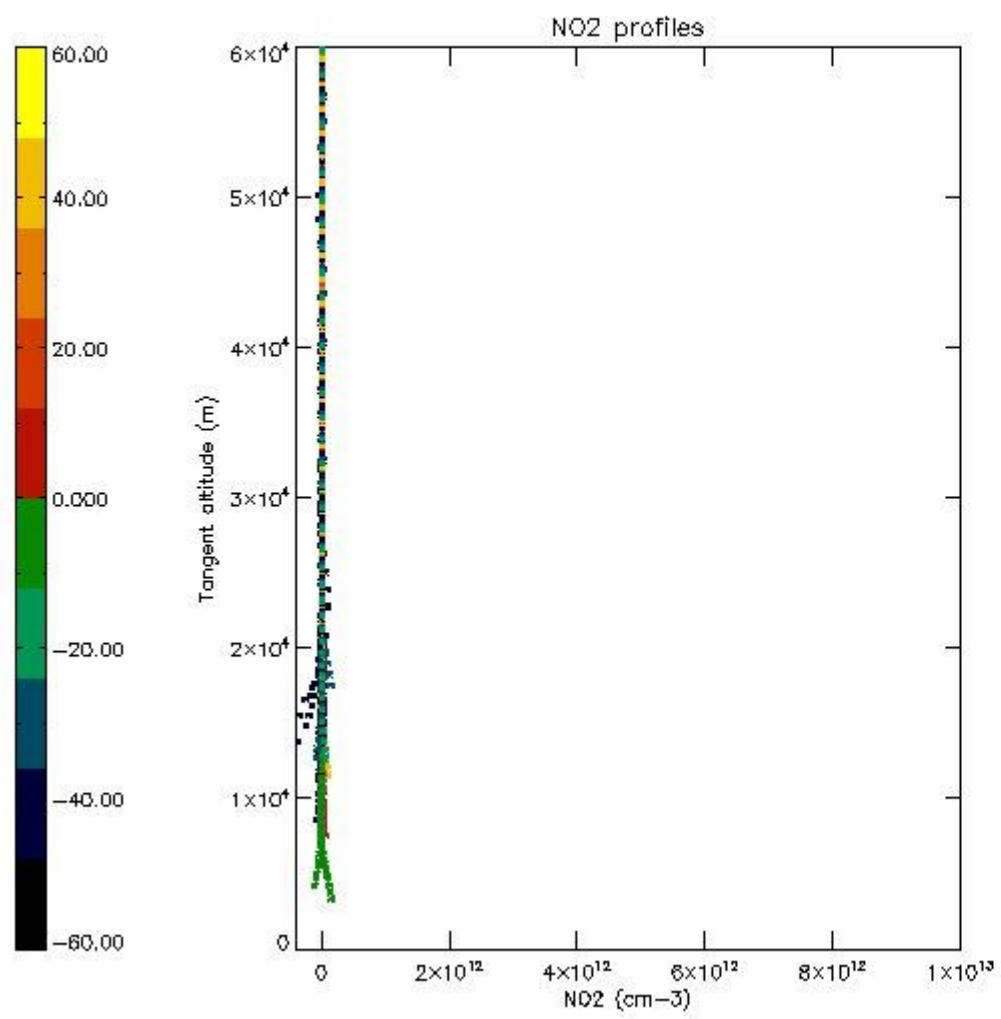
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



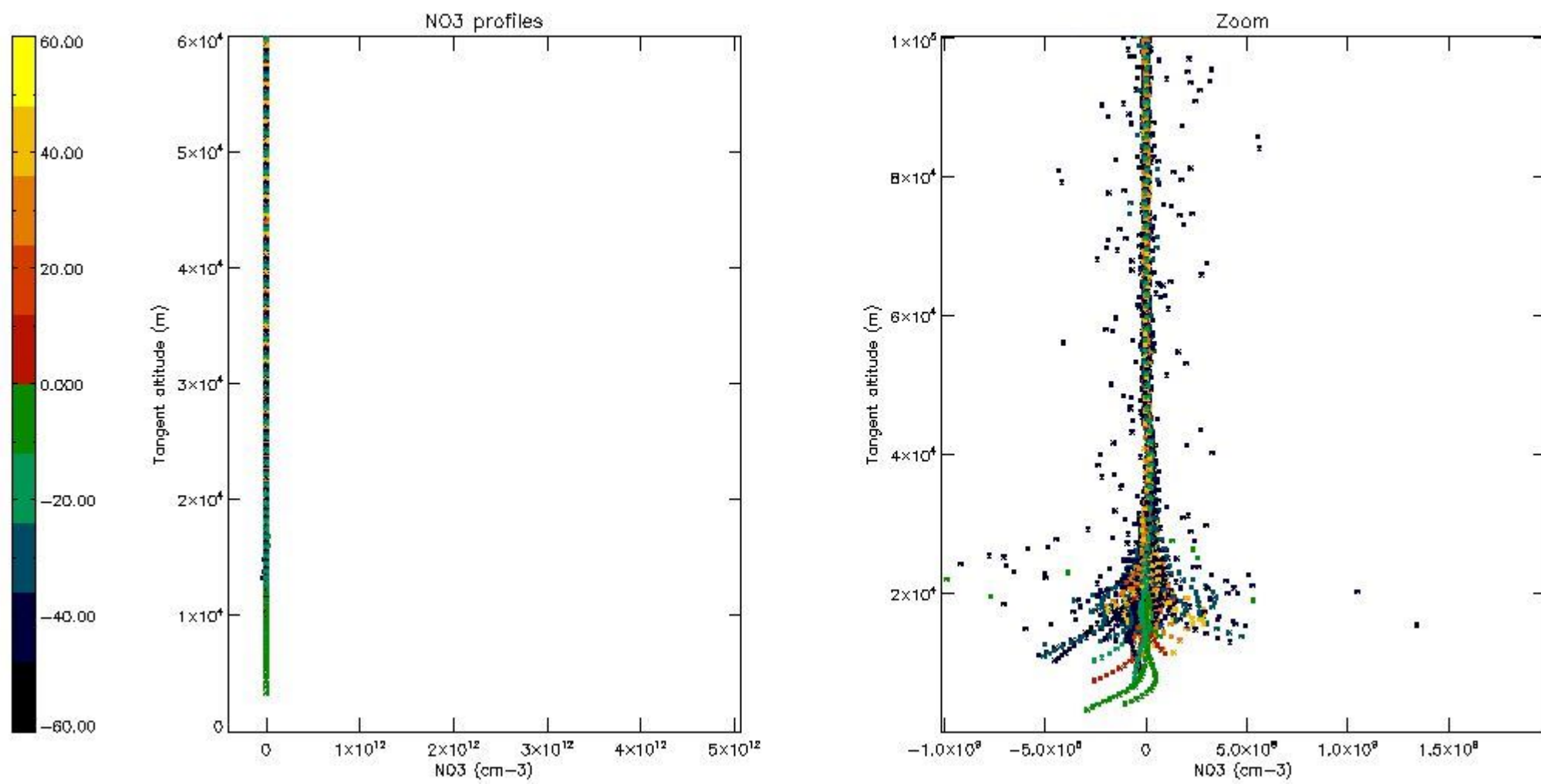
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



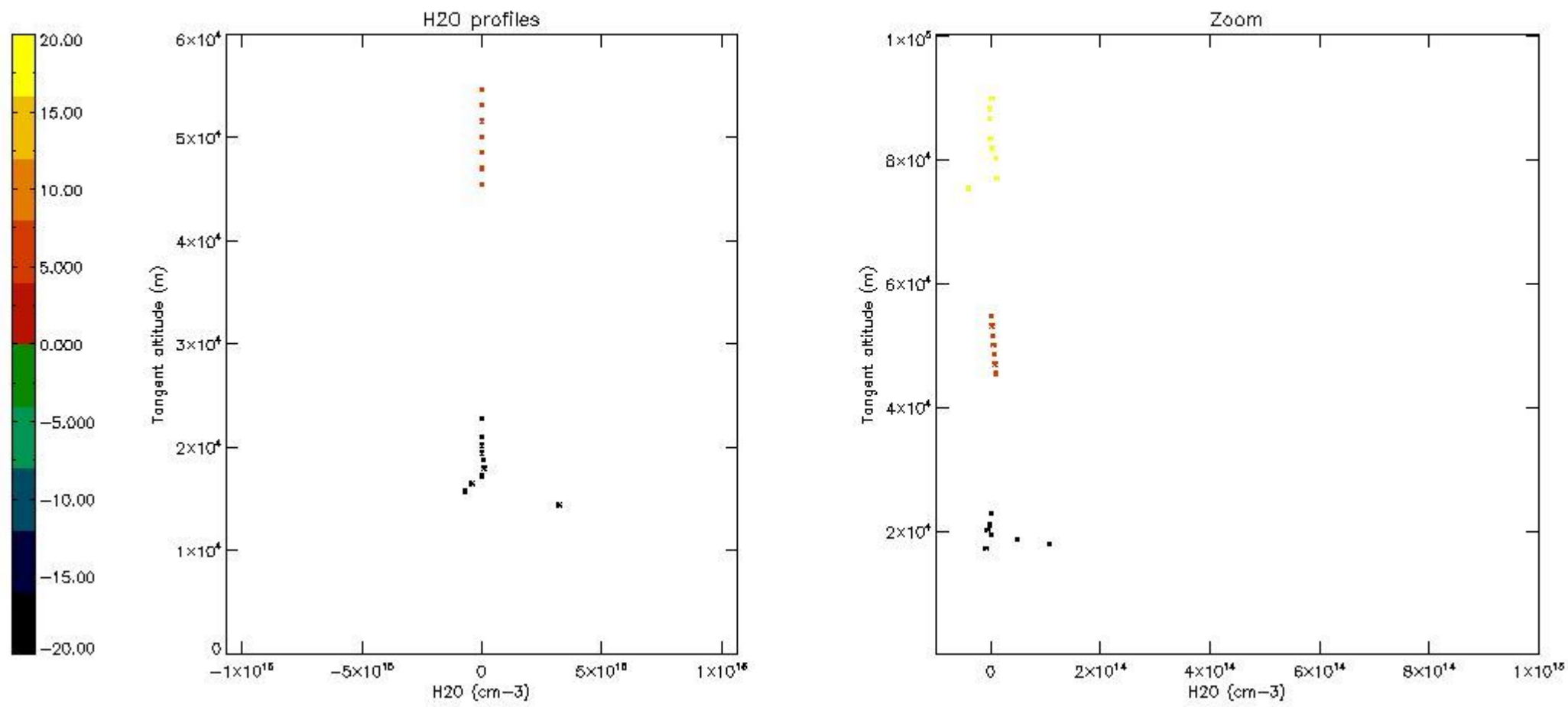
5.7 Plot NO3 profiles for all STD (dark without errors)

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	31-JAN-2007 00:00:06
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	31-JAN-2007 00:00:06
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	31-JAN-2007 00:00:06

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](#)

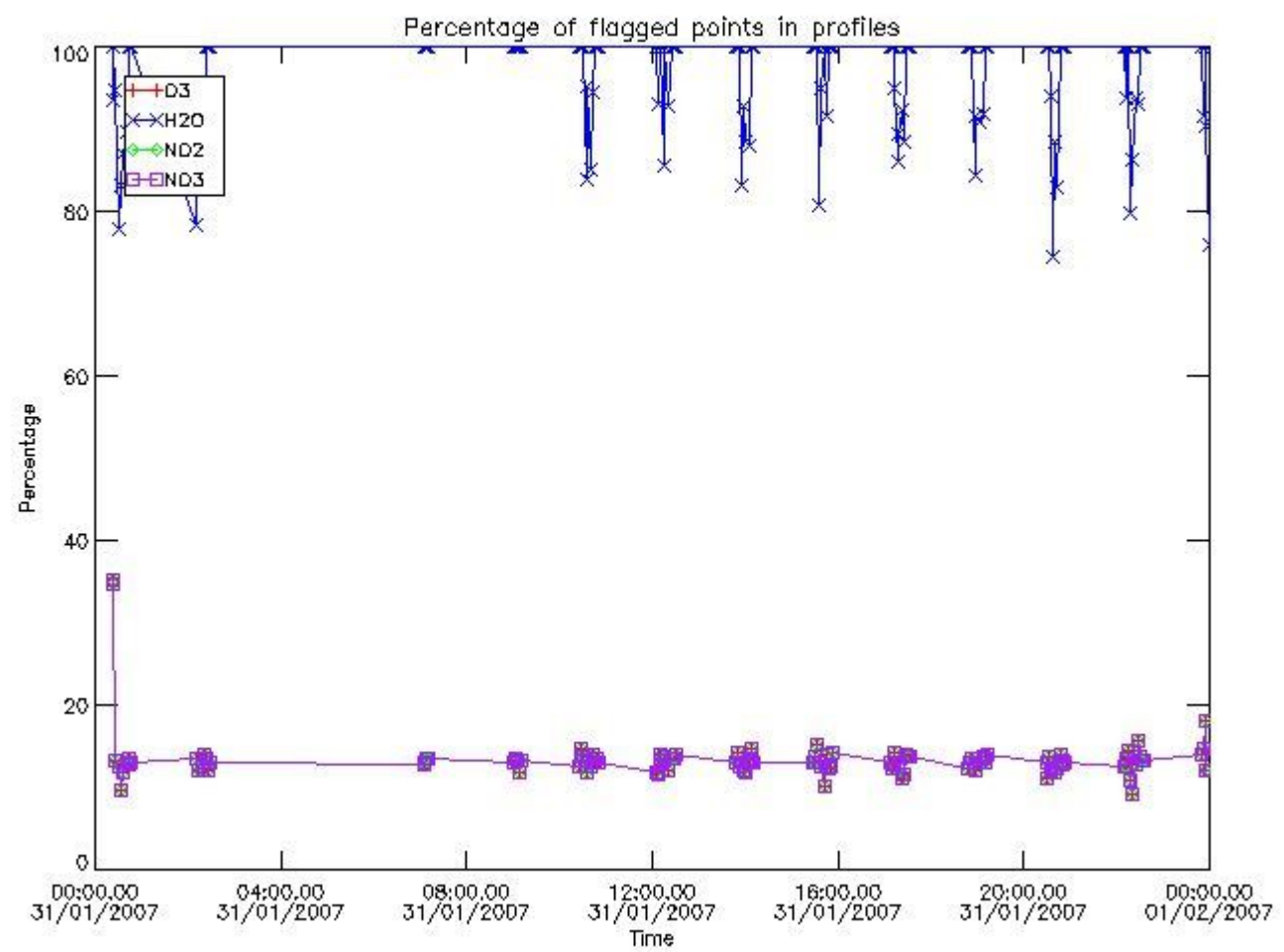
[6. Auxiliary Data Files used for the production reported in section 2](#)

279	GOM_NL__2PRFIN20070131_221115_000000412055_00129_25734_5949.N1	31-JAN-2007 22:11:15	Dark	41.000	40	The Sco	1.8590	7100.0	82	25734	No
280	GOM_NL__2PRFIN20070131_221308_000000382055_00129_25734_5950.N1	31-JAN-2007 22:13:08	Dark	37.500	147	Alp Ara	2.8770	26000.	75	25734	No
281	GOM_NL__2PRFIN20070131_221441_000000392055_00129_25734_5951.N1	31-JAN-2007 22:14:41	Dark	39.000	141	Bet Ara	2.8400	4600.0	78	25734	No
282	GOM_NL__2PRFIN20070131_221834_000000482055_00130_25735_5943.N1	31-JAN-2007 22:18:34	Dark	47.500	43	Alp TrA	1.9100	4250.0	95	25735	No
283	GOM_NL__2PRFIN20070131_221959_000000552055_00130_25735_5944.N1	31-JAN-2007 22:19:59	Dark	55.000	4	Alp1Cen	-0.010000	5800.0	110	25735	No
284	GOM_NL__2PRFIN20070131_222435_000000402055_00130_25735_5945.N1	31-JAN-2007 22:24:35	Dark	40.000	12	Alp1Cru	0.77500	30000.	80	25735	No
285	GOM_NL__2PRFIN20070131_222808_000000362055_00130_25735_5946.N1	31-JAN-2007 22:28:08	Dark	36.000	29	Bet Car	1.6720	10200.	72	25735	No
286	GOM_NL__2PRFIN20070131_223029_000000372055_00130_25735_5947.N1	31-JAN-2007 22:30:29	Dark	37.000	71	lot Car	2.2460	7700.0	74	25735	No
287	GOM_NL__2PRFIN20070131_223214_000000392055_00130_25735_5948.N1	31-JAN-2007 22:32:14	Dark	38.500	46	Del Vel	1.9540	10600.	77	25735	No
288	GOM_NL__2PRFIN20070131_223446_000000392055_00130_25735_5949.N1	31-JAN-2007 22:34:46	Dark	38.500	34	Gam2Vel	1.7930	23000.	77	25735	No
289	GOM_NL__2PRFIN20070131_223651_000000392055_00130_25735_5950.N1	31-JAN-2007 22:36:51	Straylight	38.500	70	Zet Pup	2.2460	39000.	77	25735	No
290	GOM_NL__2PRFIN20070131_223814_000000422055_00130_25735_5951.N1	31-JAN-2007 22:38:14	Straylight	41.500	117	Pi Pup	2.7060	3800.0	83	25735	No
291	GOM_NL__2PRFIN20070131_224040_000000392055_00130_25735_5952.N1	31-JAN-2007 22:40:40	Straylight	39.000	23	21Eps CMa	1.5020	26000.	78	25735	No
292	GOM_NL__2PRFIN20070131_224203_000000382055_00130_25735_5953.N1	31-JAN-2007 22:42:03	Straylight	38.000	179	24Omi2CMa	3.0320	24000.	76	25735	No
293	GOM_NL__2PRFIN20070131_224412_000000462055_00130_25735_5954.N1	31-JAN-2007 22:44:12	Straylight	45.500	1	9Alp CMa	-1.4400	11000.	91	25735	No
294	GOM_NL__2PRFIN20070131_225000_000000532055_00130_25735_5955.N1	31-JAN-2007 22:50:00	Twilight	52.500	8	10Alp CMI	0.40000	6500.0	105	25735	No
295	GOM_NL__2PRFIN20070131_225325_000000362055_00130_25735_5956.N1	31-JAN-2007 22:53:25	Bright	36.000	44	24Gam Gem	1.9280	11000.	72	25735	No
296	GOM_NL__2PRFIN20070131_225516_000000382055_00130_25735_5957.N1	31-JAN-2007 22:55:16	Bright	37.500	151	13Mu Gem	2.8900	3000.0	75	25735	No
297	GOM_NL__2PRFIN20070131_225933_000000352055_00130_25735_5958.N1	31-JAN-2007 22:59:33	Bright	35.000	107	37The Aur	2.6490	11000.	70	25735	No
298	GOM_NL__2PRFIN20070131_230139_000000362055_00130_25735_5959.N1	31-JAN-2007 23:01:39	Bright	35.500	42	34Bet Aur	1.9000	10200.	71	25735	No
299	GOM_NL__2PRFIN20070131_231354_000000322055_00130_25735_5960.N1	31-JAN-2007 23:13:54	Bright	32.000	49	1Alp UMi	1.9900	6300.0	64	25735	No
300	GOM_NL__2PRFIN20070131_232506_000000392055_00130_25735_5961.N1	31-JAN-2007 23:25:06	Bright	38.500	69	33Gam Dra	2.2310	3800.0	77	25735	No
301	GOM_NL__2PRFIN20070131_232831_000000342055_00130_25735_5962.N1	31-JAN-2007 23:28:31	Bright	33.500	5	3Alp Lyr	0.033000	11000.	67	25735	No
302	GOM_NL__2PRFIN20070131_233643_000000372055_00130_25735_5963.N1	31-JAN-2007 23:36:43	Bright	36.500	59	55Alp Oph	2.0800	8900.0	73	25735	No
303	GOM_NL__2PRFIN20070131_233851_000000372055_00130_25735_5964.N1	31-JAN-2007 23:38:51	Bright	37.000	126	60Bet Oph	2.7700	4250.0	74	25735	No
304	GOM_NL__2PRFIN20070131_234519_000000452055_00130_25735_5965.N1	31-JAN-2007 23:45:19	Twilight	44.500	86	35Eta Oph	2.4300	10200.	89	25735	No
305	GOM_NL__2PRFIN20070131_234803_000000412055_00130_25735_5966.N1	31-JAN-2007 23:48:03	Twilight	40.500	167	10Gam2Sgr	2.9840	4500.0	81	25735	No
306	GOM_NL__2PRFIN20070131_235023_000000402055_00130_25735_5967.N1	31-JAN-2007 23:50:23	Dark	40.000	25	35Lam Sco	1.6200	28000.	80	25735	No
307	GOM_NL__2PRFIN20070131_235151_000000422055_00130_25735_5968.N1	31-JAN-2007 23:51:51	Dark	41.500	40	The Sco	1.8590	7100.0	83	25735	No
308	GOM_NL__2PRFIN20070131_235344_000000372055_00130_25735_5969.N1	31-JAN-2007 23:53:44	Dark	36.500	147	Alp Ara	2.8770	26000.	73	25735	No
309	GOM_NL__2PRFIN20070131_235518_000000422055_00130_25735_5970.N1	31-JAN-2007 23:55:18	Dark	42.000	141	Bet Ara	2.8400	4600.0	84	25735	No
310	GOM_NL__2PRFIN20070131_235910_000000422055_00131_25736_5955.N1	31-JAN-2007 23:59:10	Dark	42.000	43	Alp TrA	1.9100	4250.0	84	25736	No

3. Quality information per product

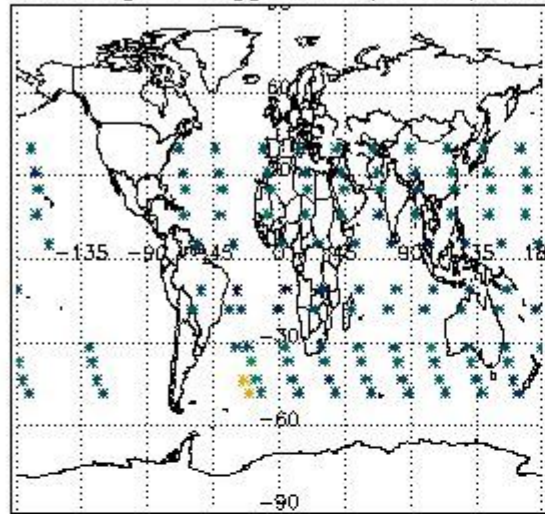
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

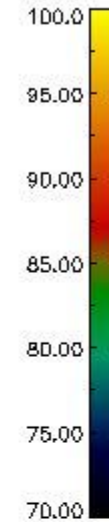
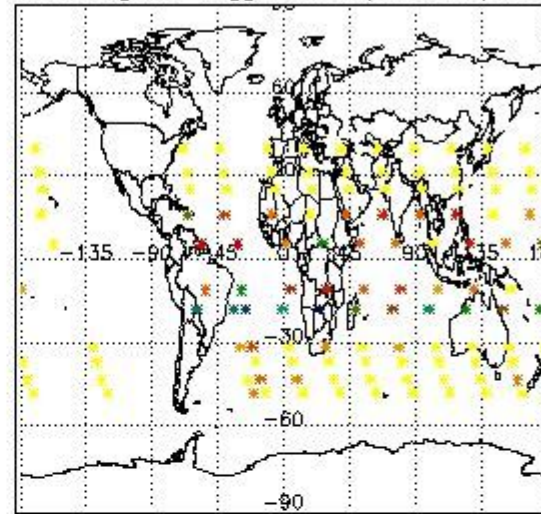


3.2 Plot quality information per product (world map)

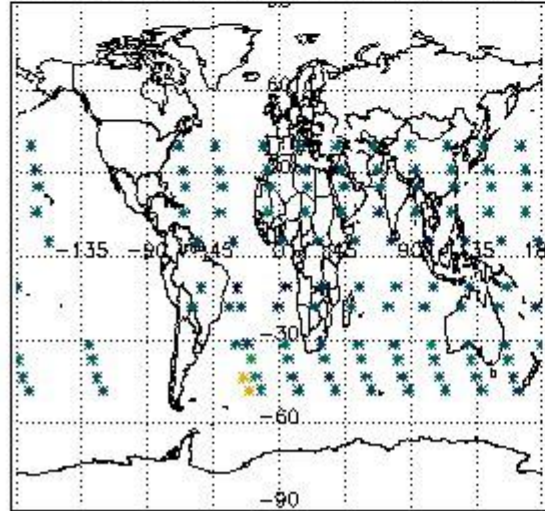
Percentage of flagged data per O3 profile



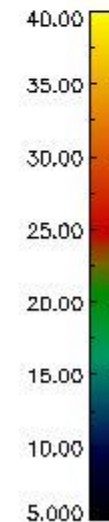
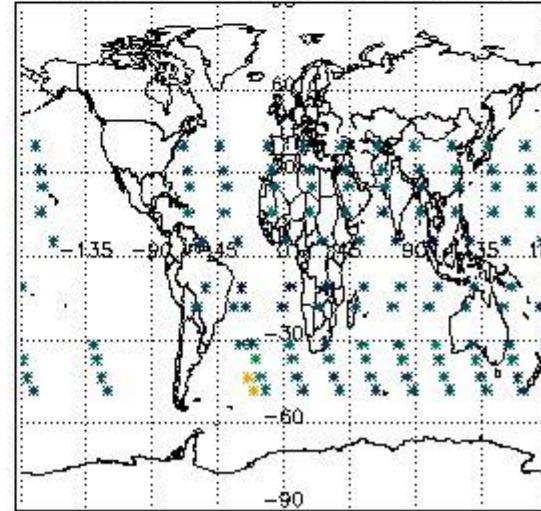
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

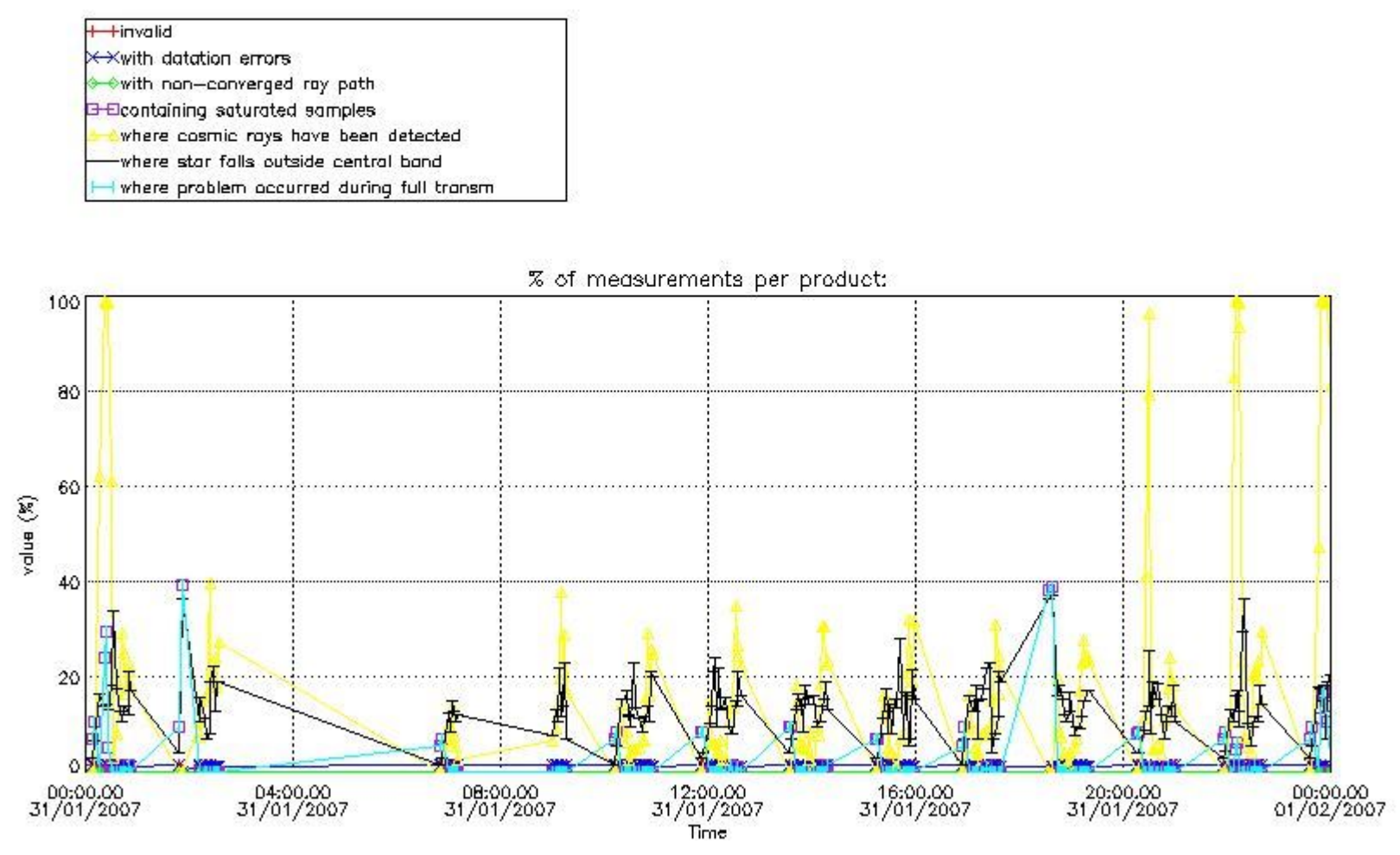


4. Level 1 quality information per product

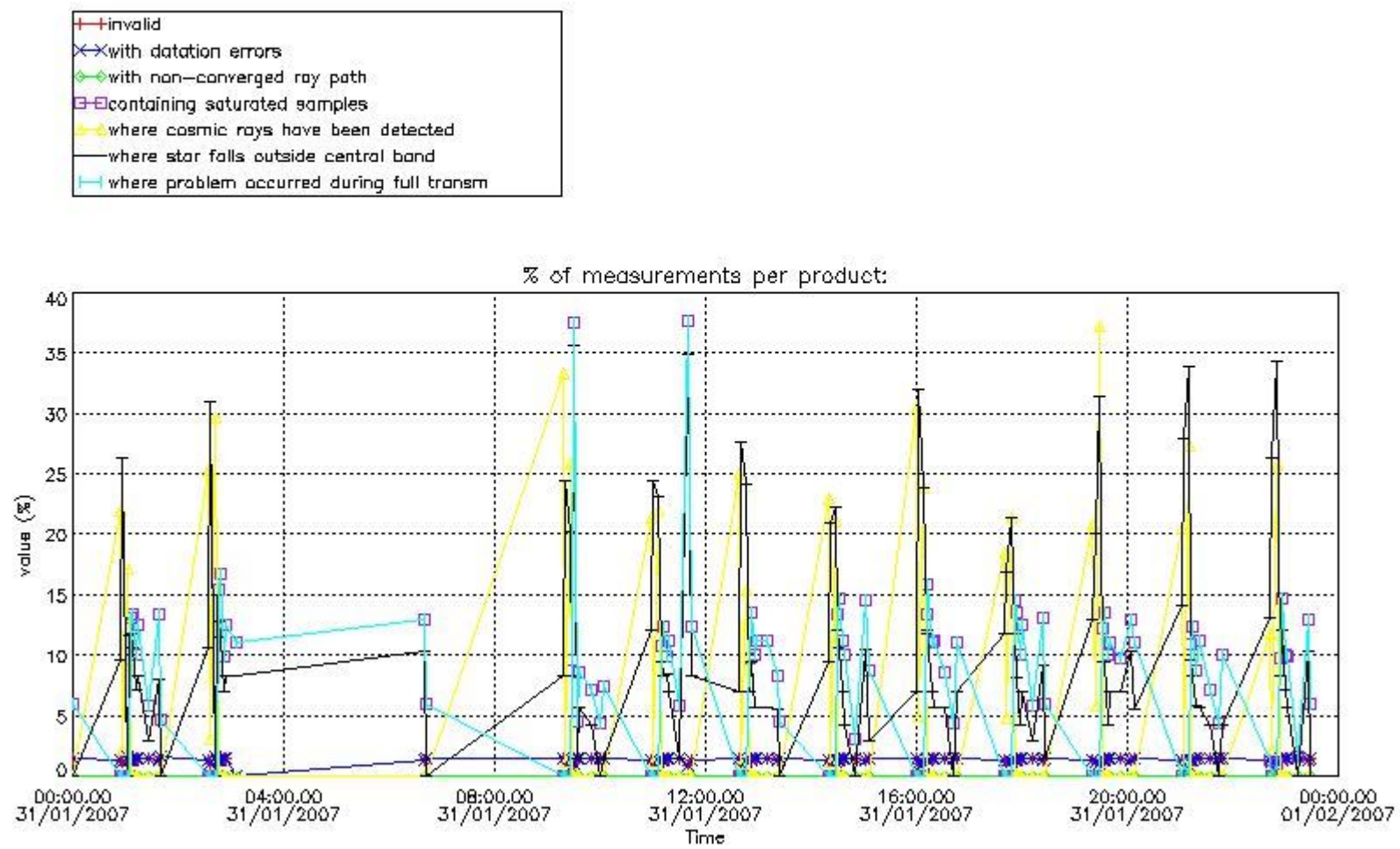
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



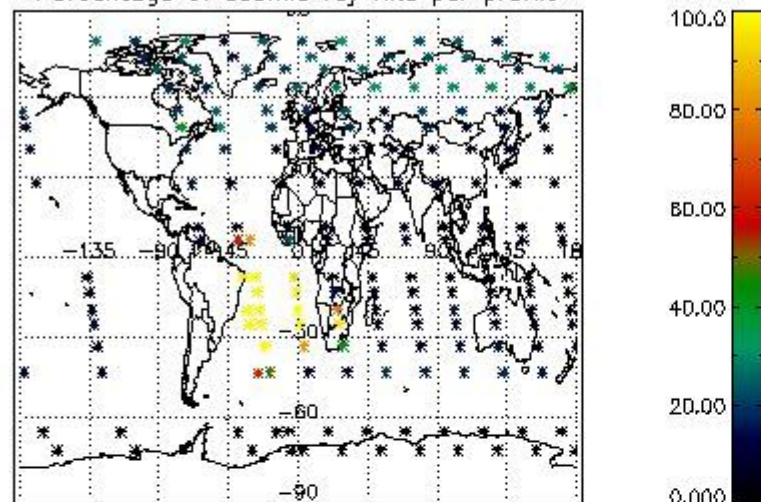
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



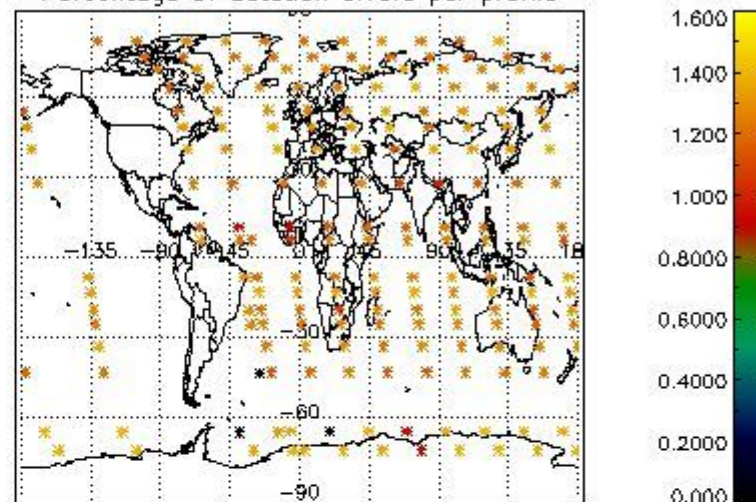
4.2 Plot quality information per product coming from level 1b processing (world map)

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

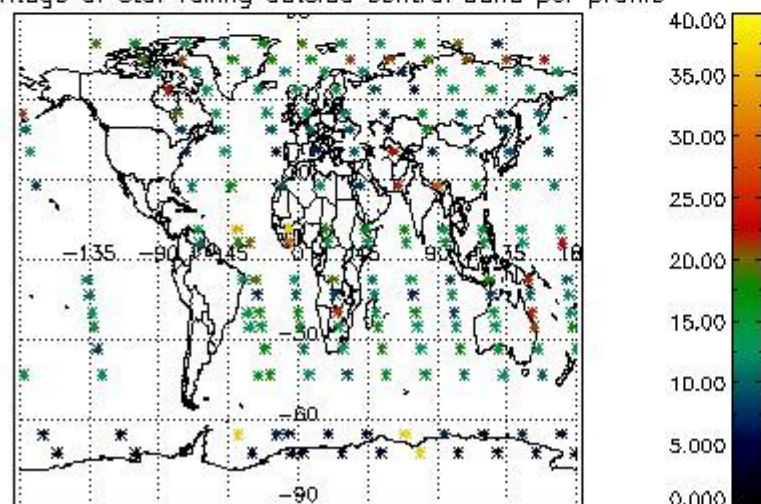
Percentage of cosmic ray hits per profile



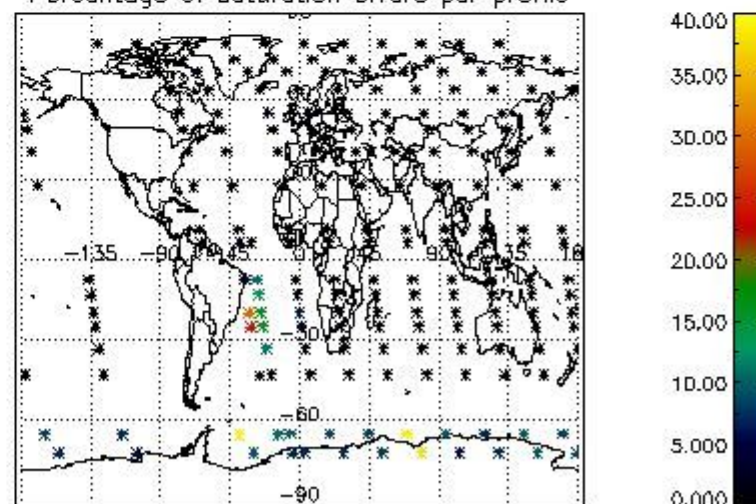
Percentage of datation errors per profile



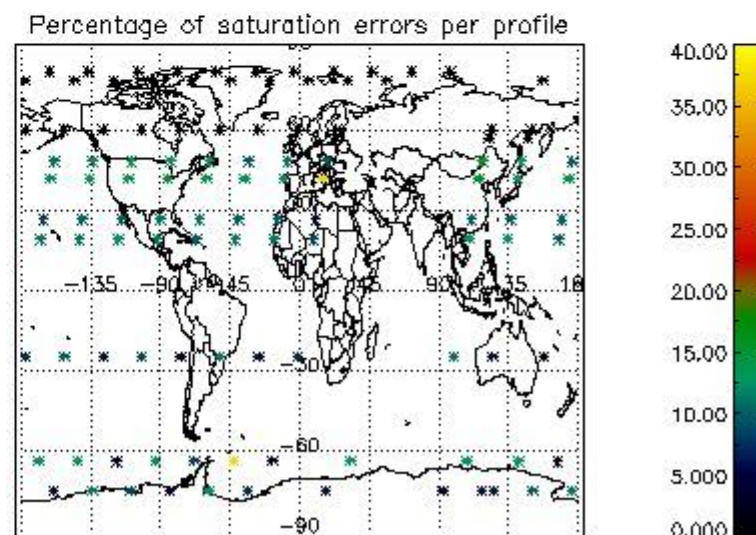
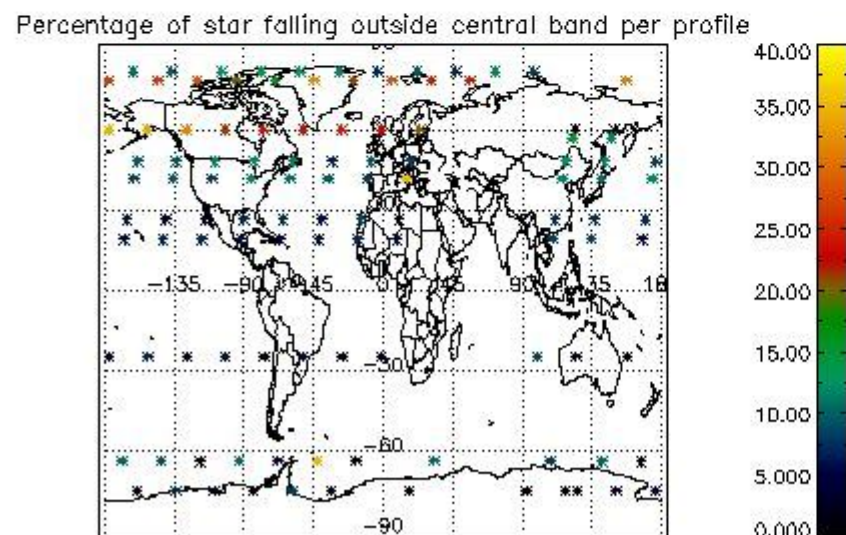
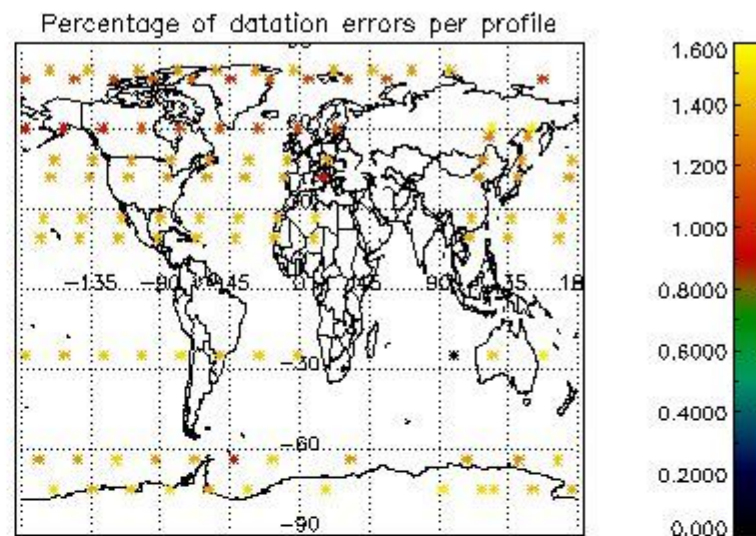
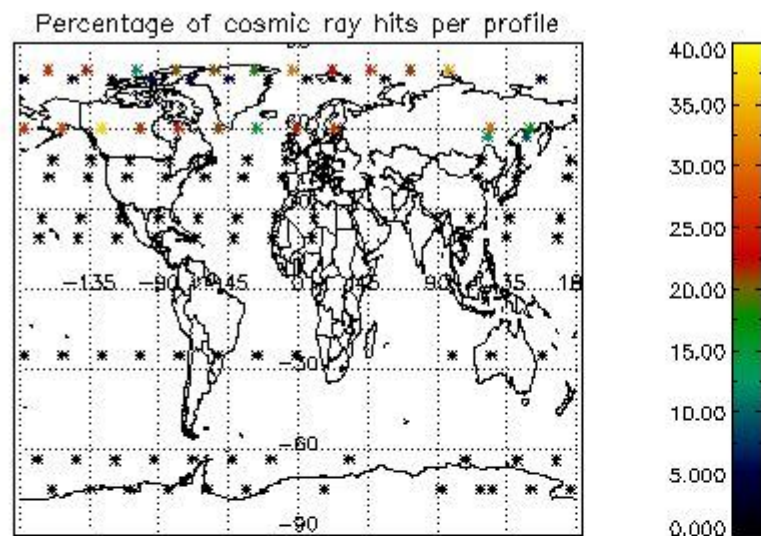
Percentage of star falling outside central band per profile



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

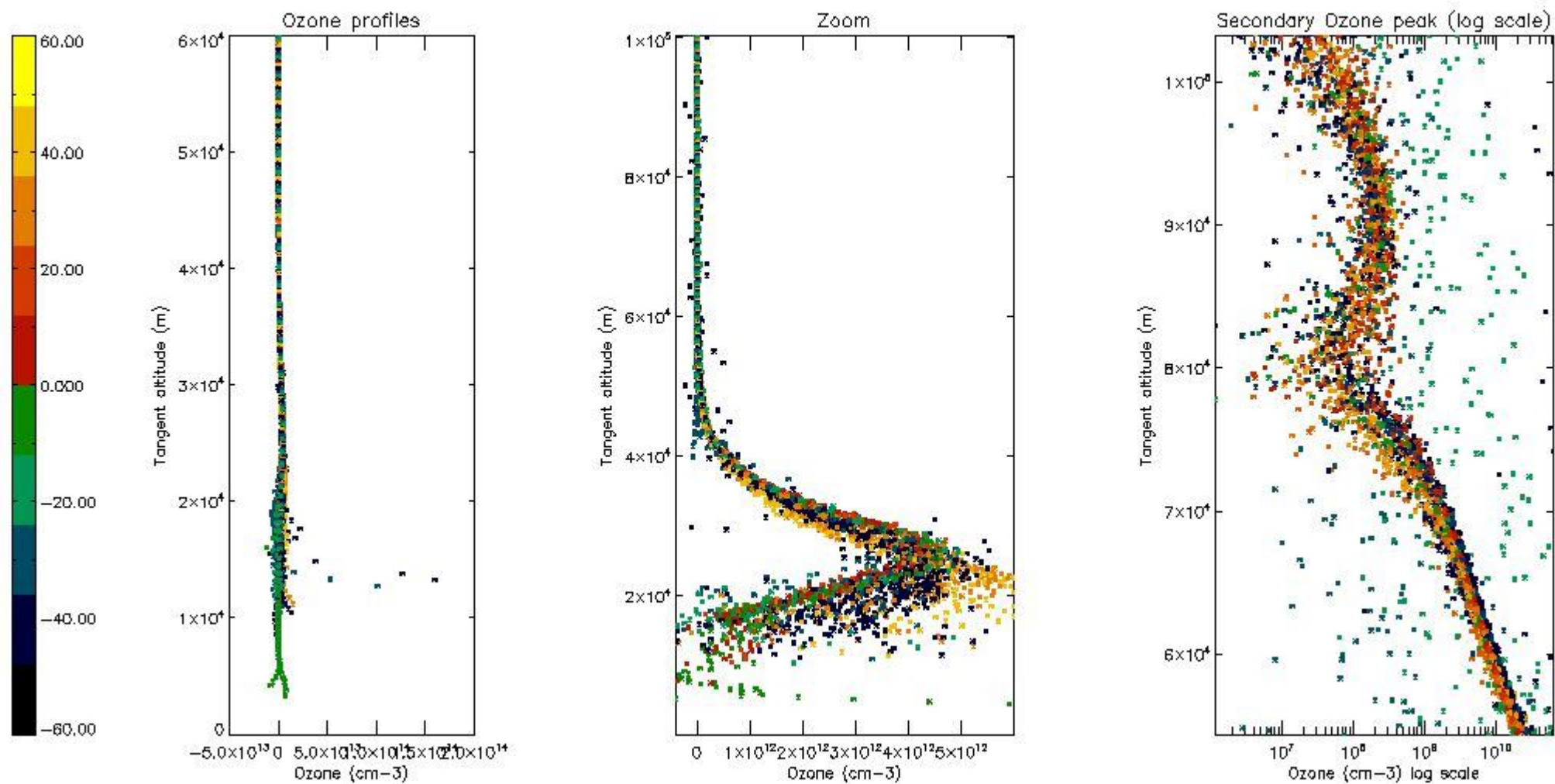
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	40
STD < 20	22

STD < 10	18
STD < 5	12

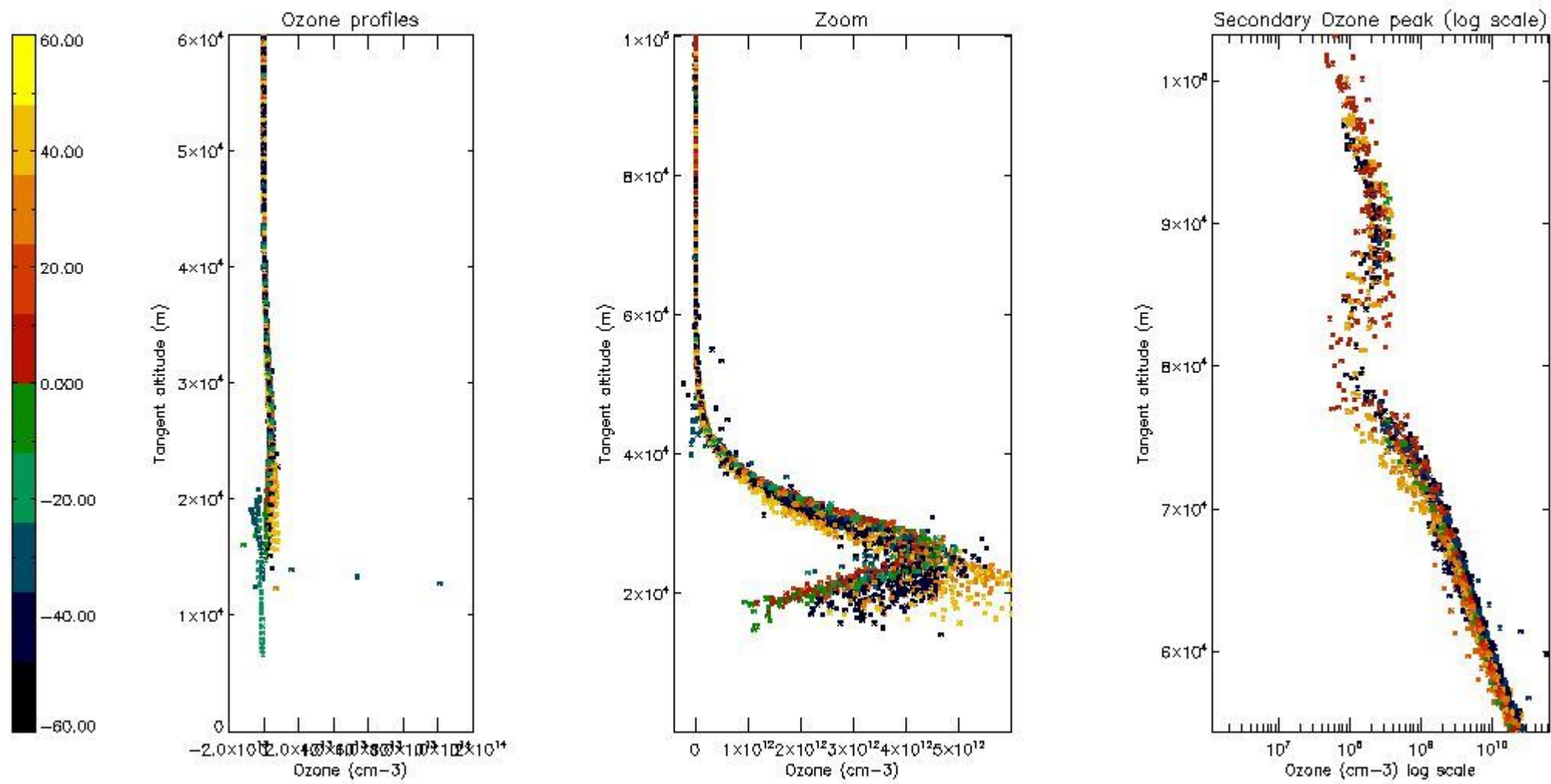
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



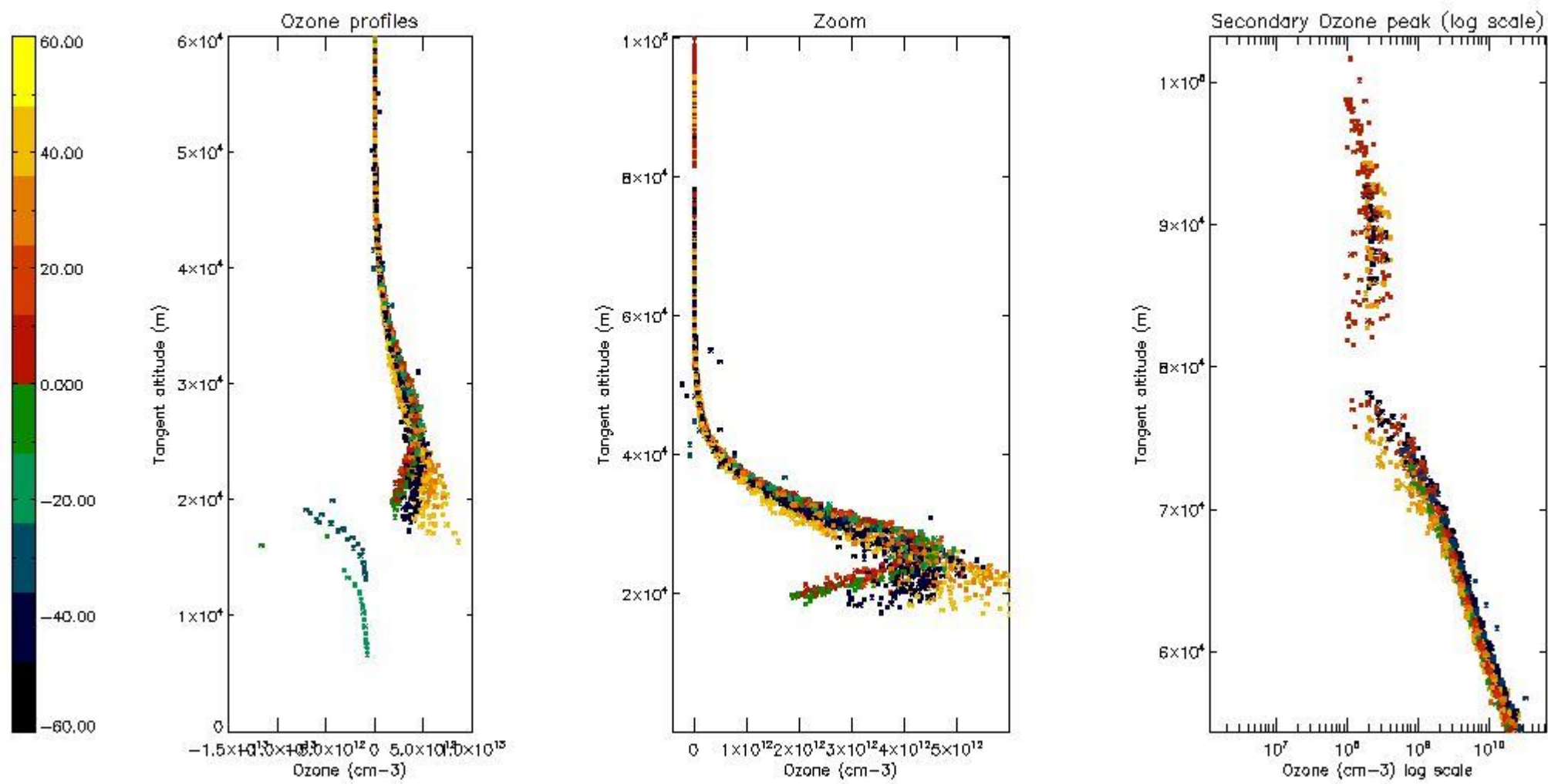
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



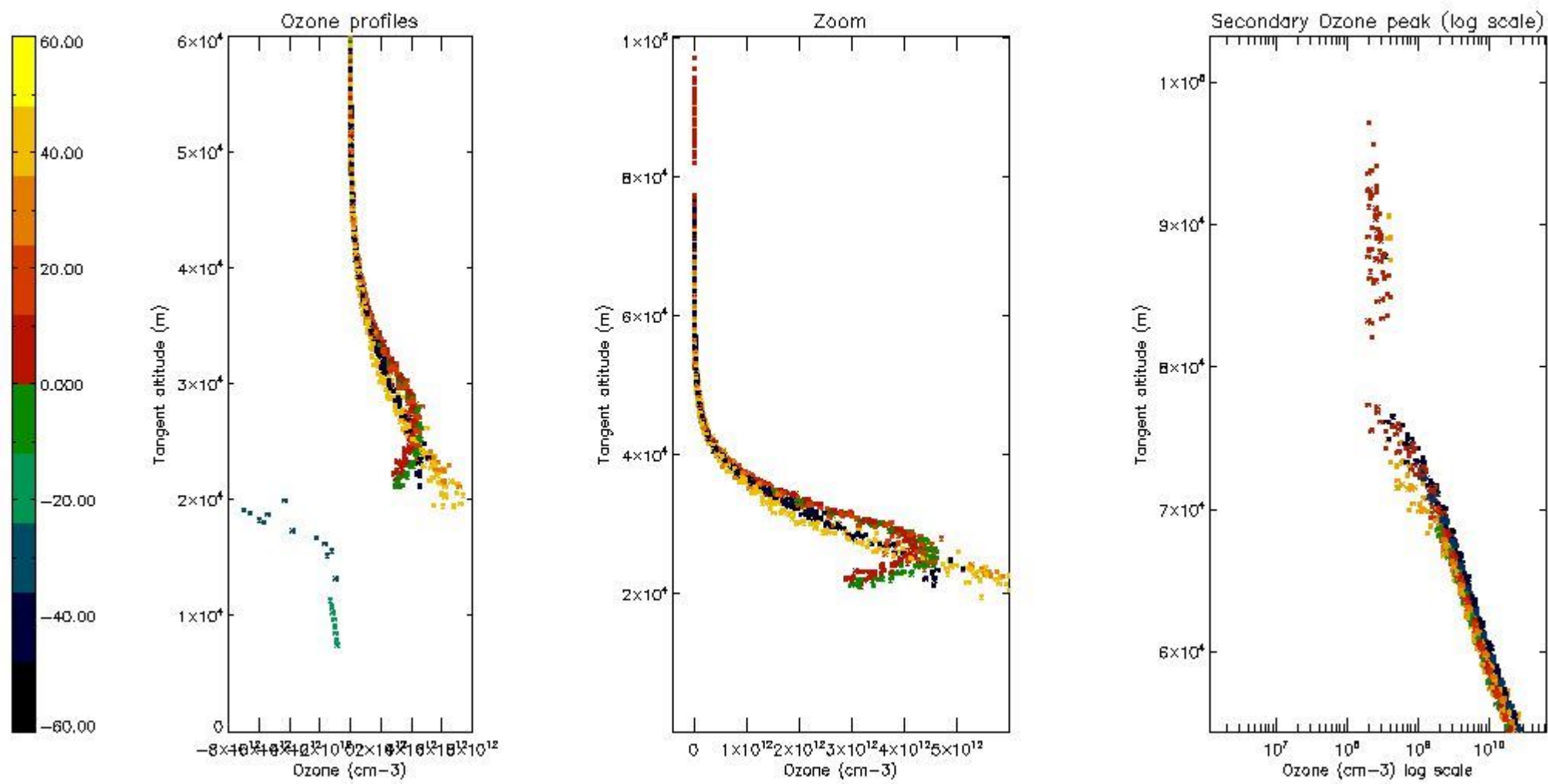
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



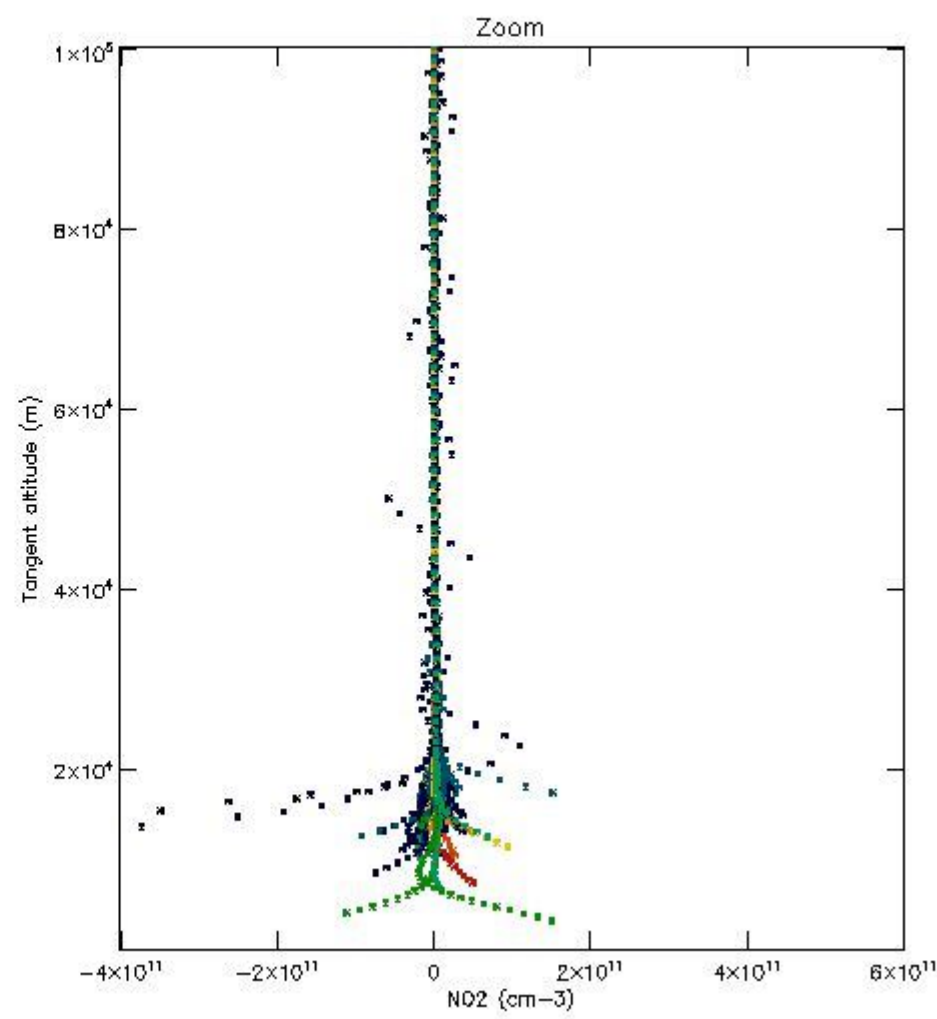
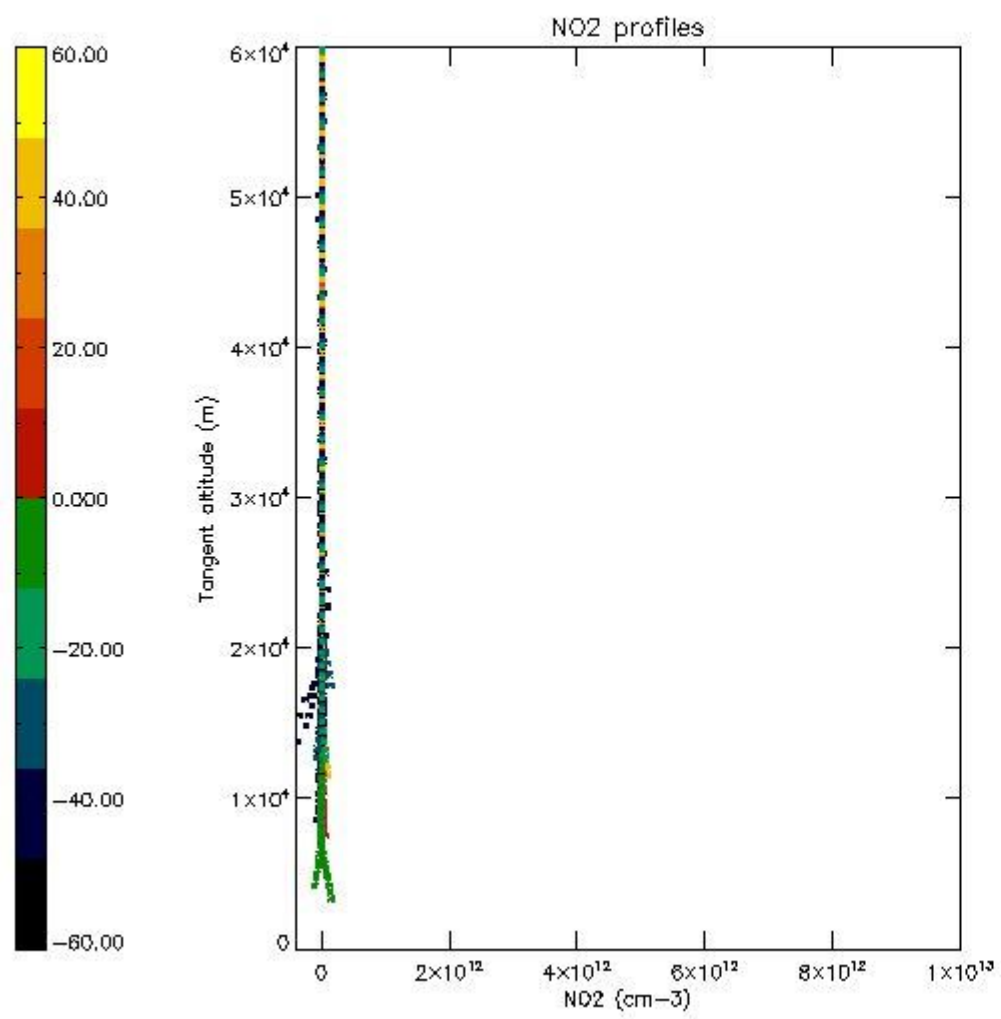
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



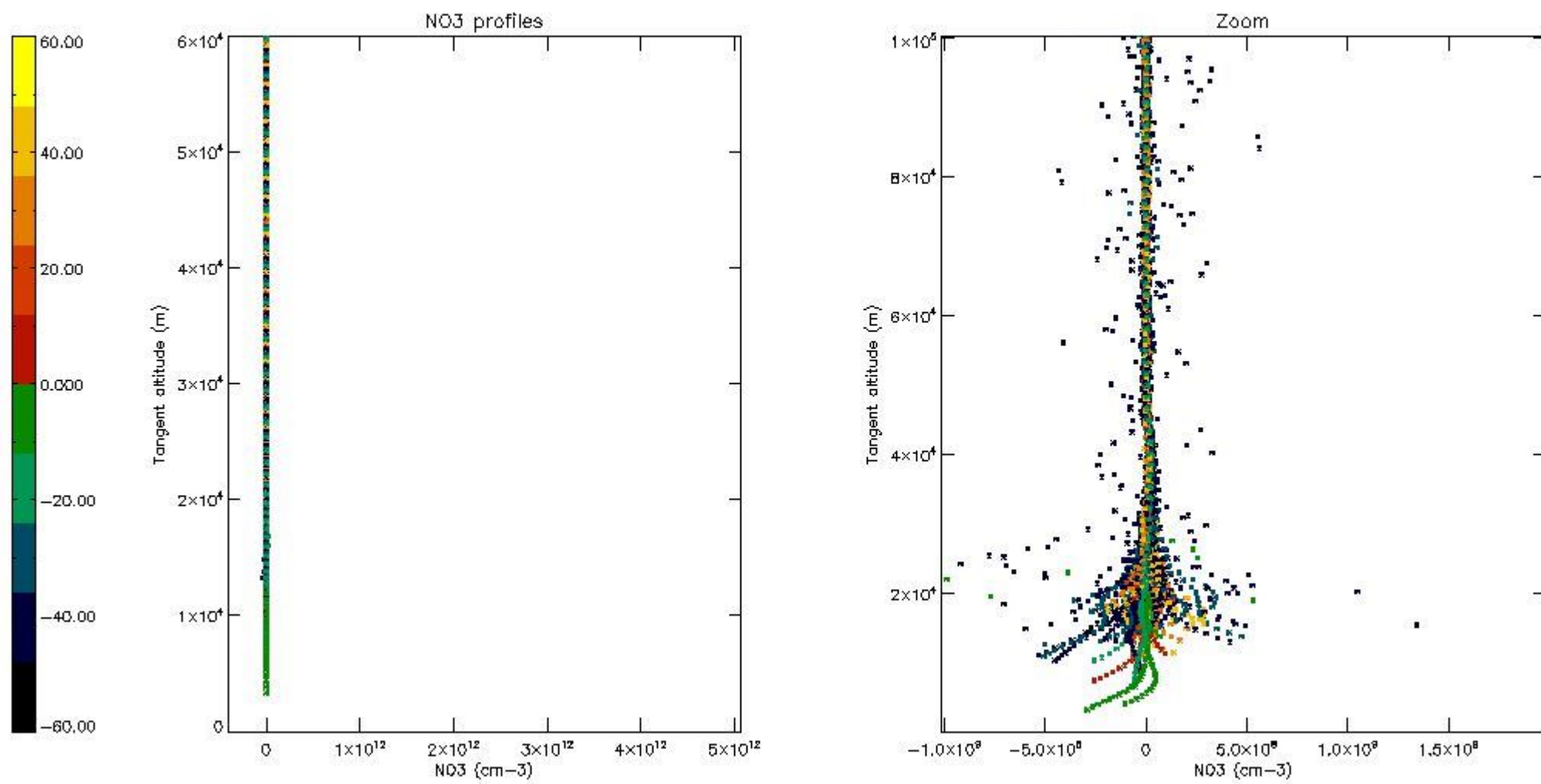
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



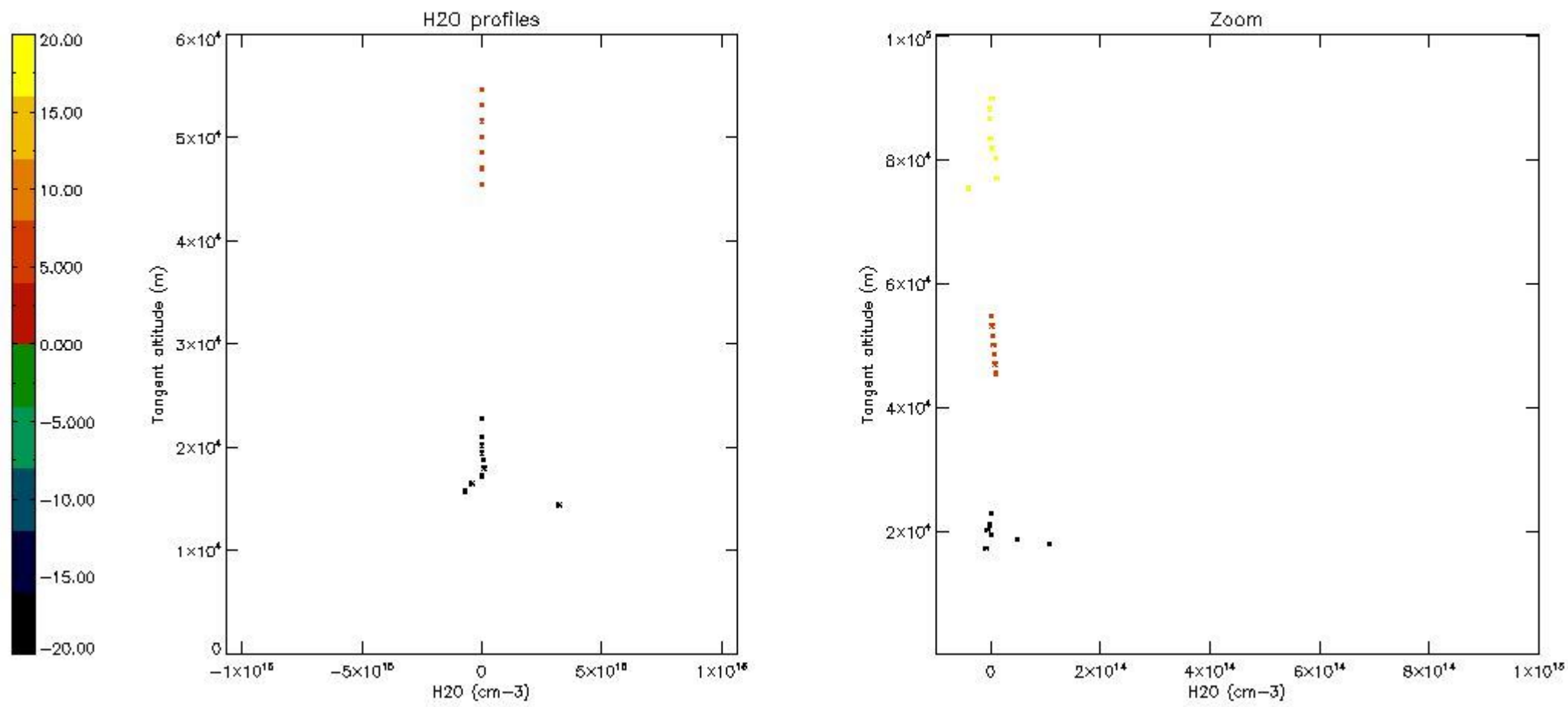
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

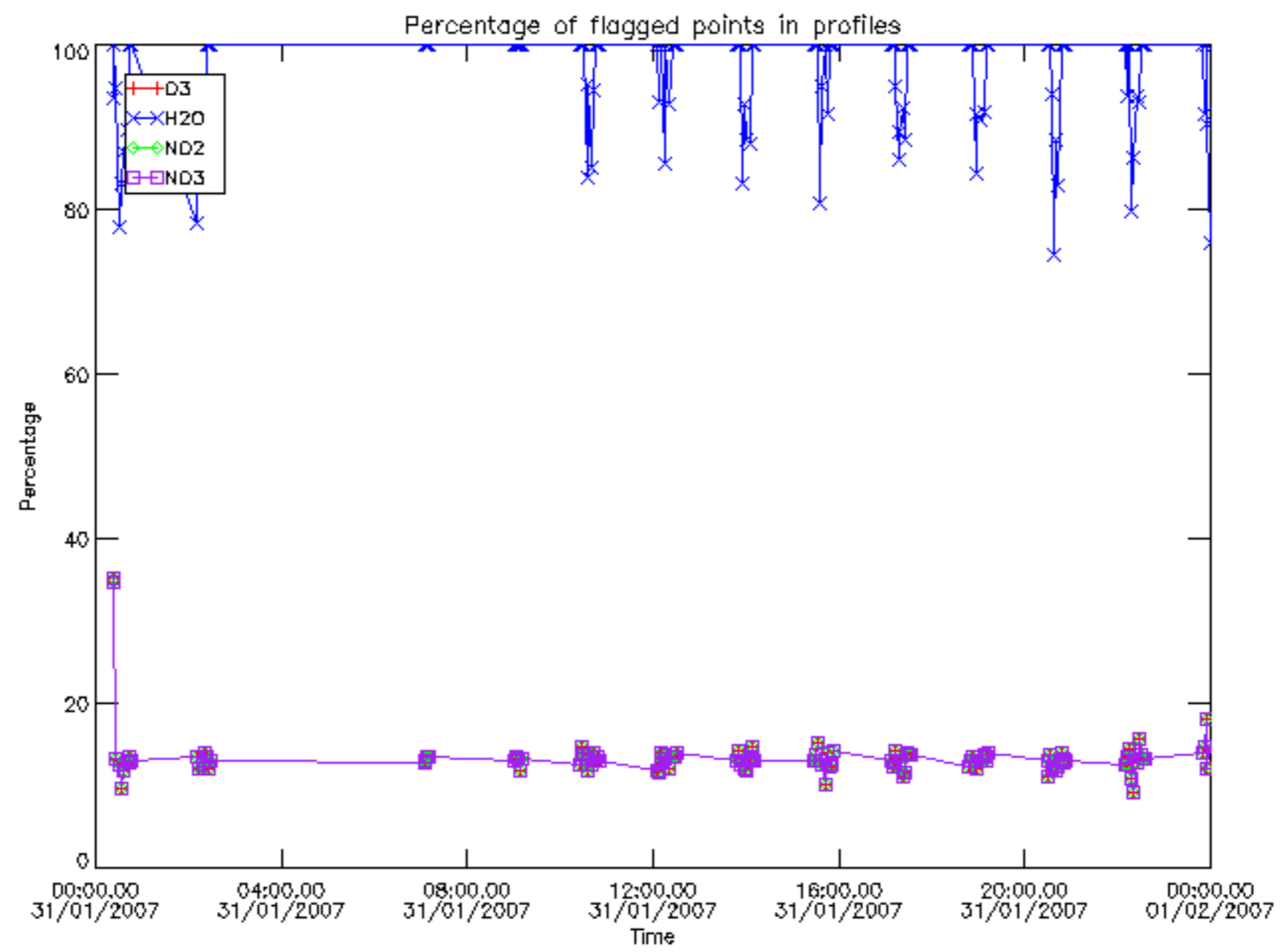
The colorbar represents the latitude.



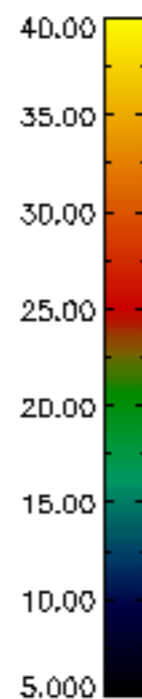
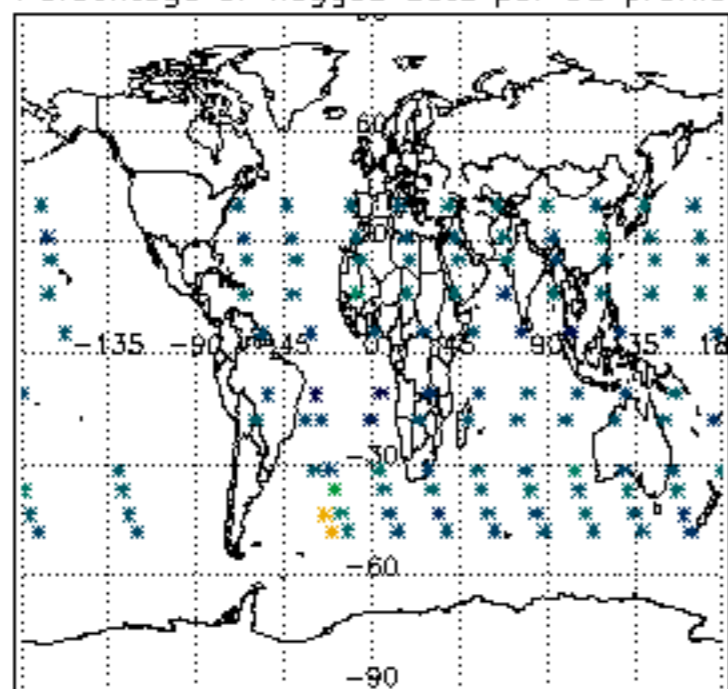
6. Auxiliary Data Files used for the production reported in section 2

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.

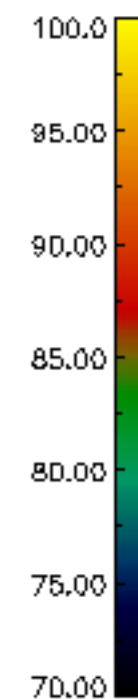
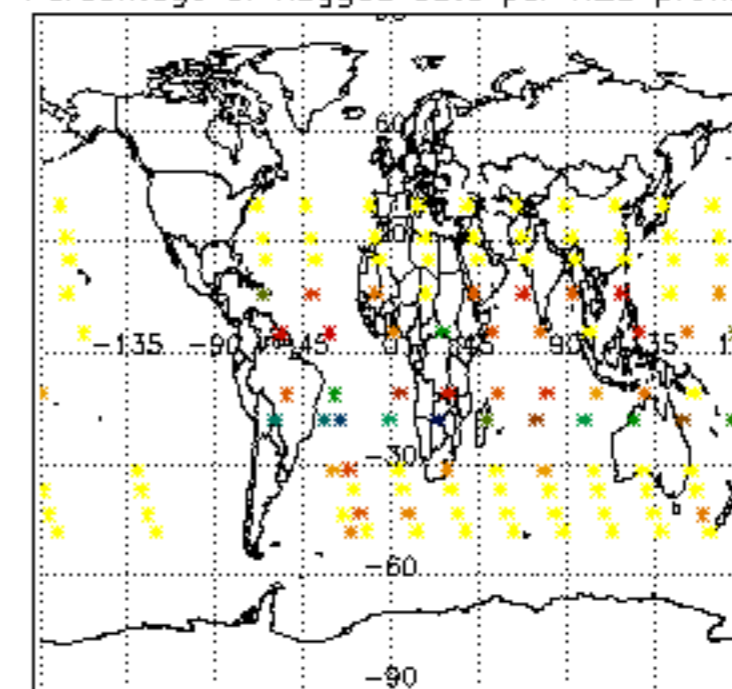
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	31-JAN-2007 00:00:06
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	31-JAN-2007 00:00:06
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	31-JAN-2007 00:00:06



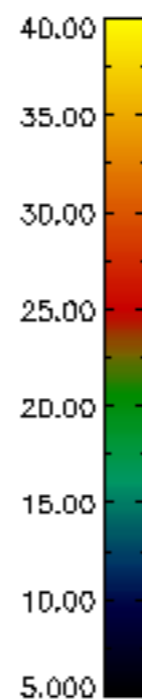
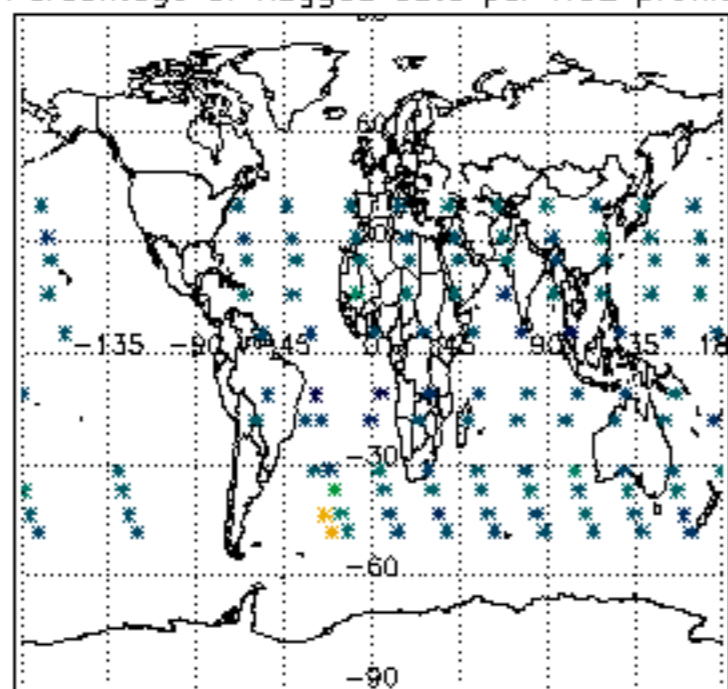
Percentage of flagged data per D3 profile



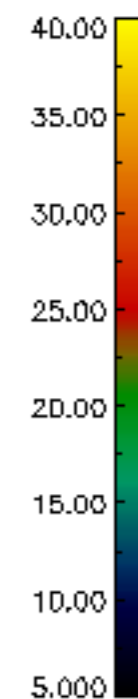
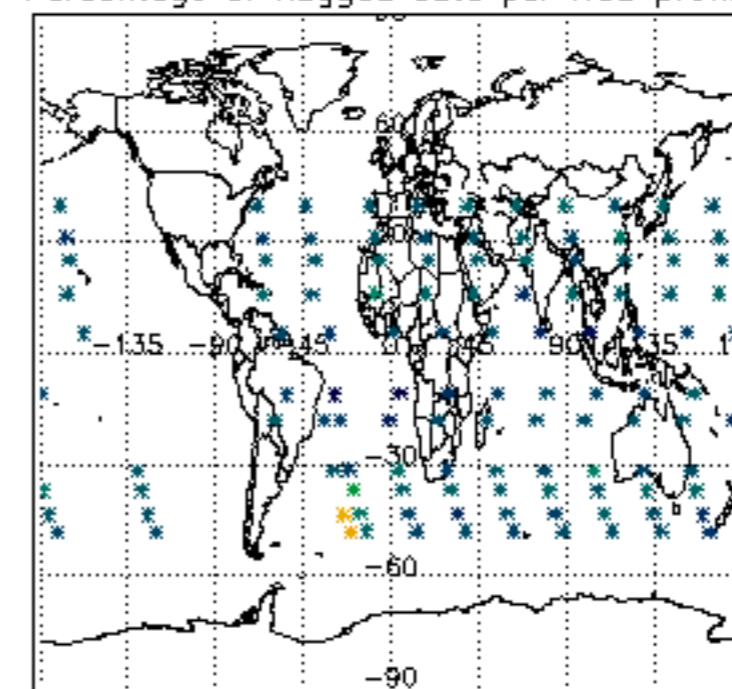
Percentage of flagged data per H2O profile

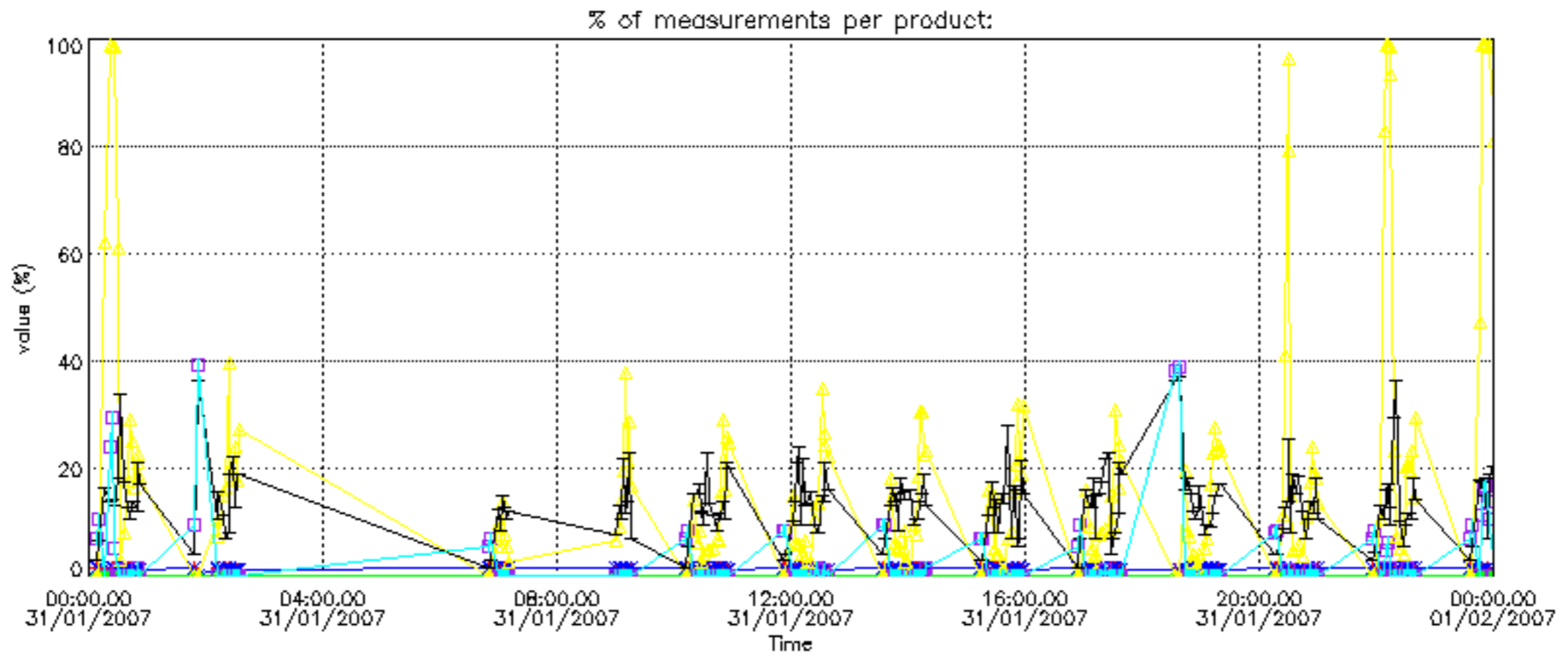


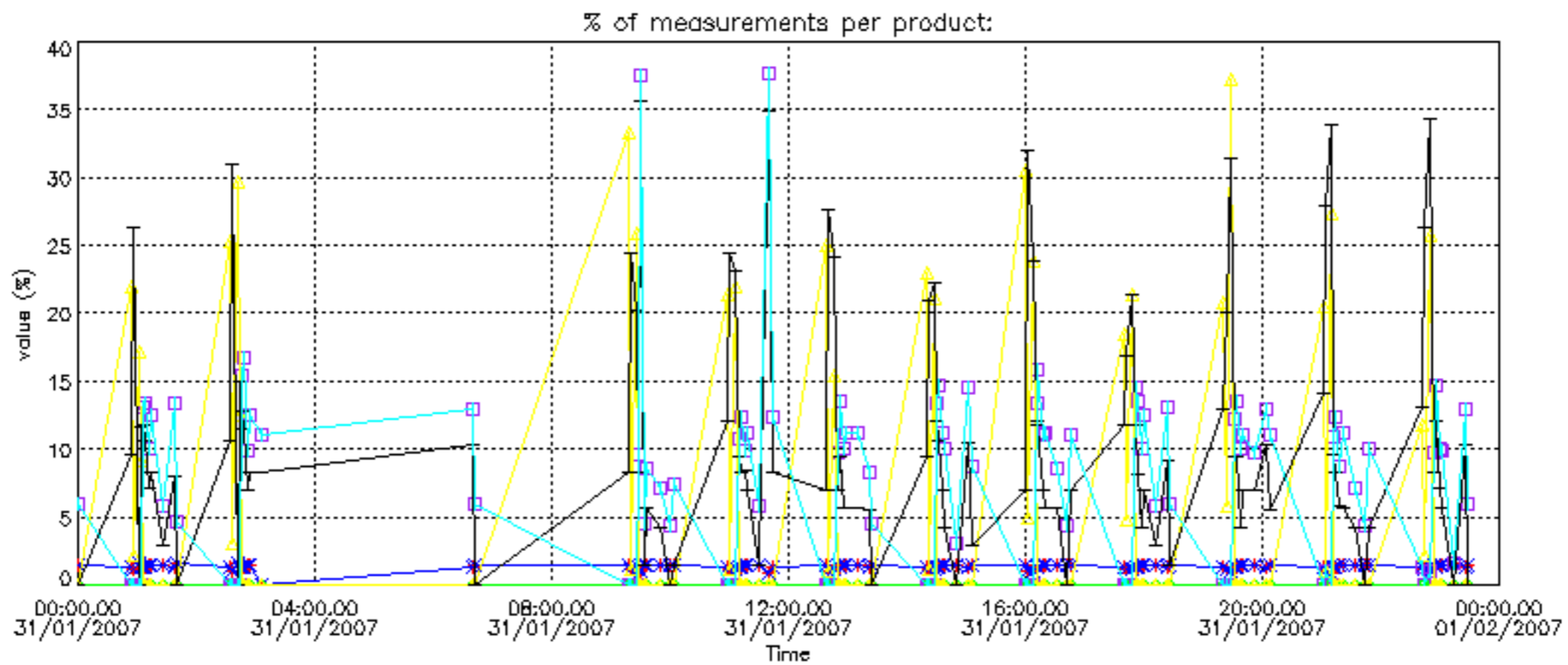
Percentage of flagged data per NO2 profile



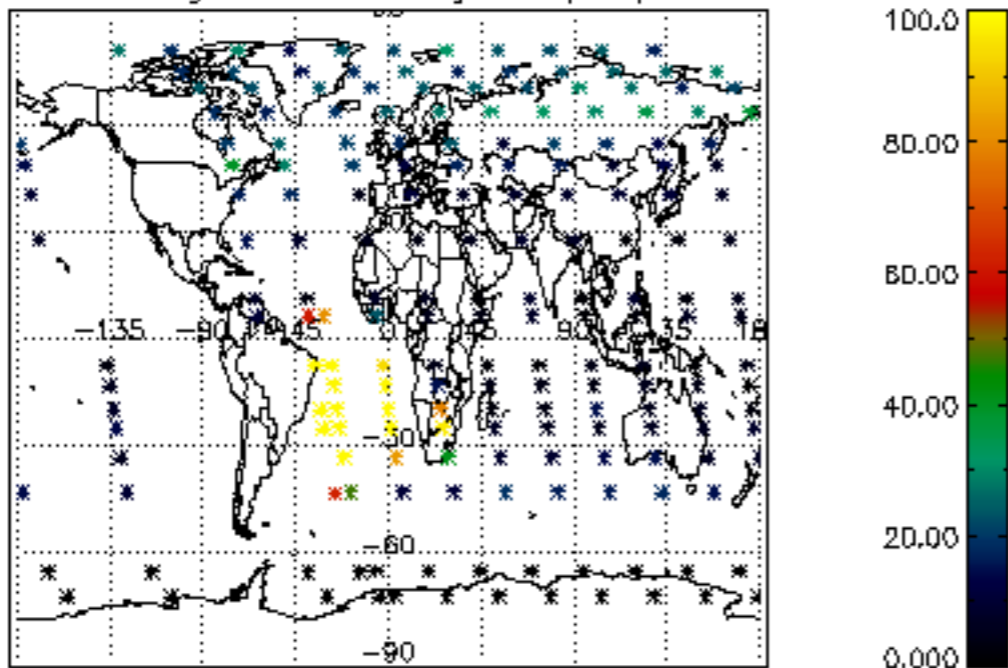
Percentage of flagged data per NO3 profile



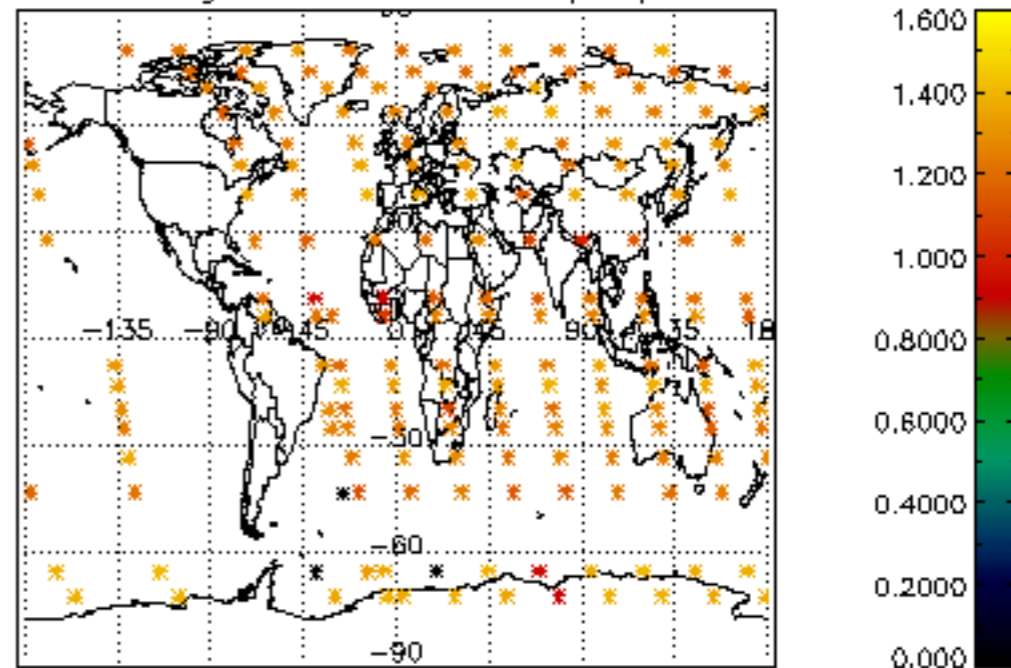




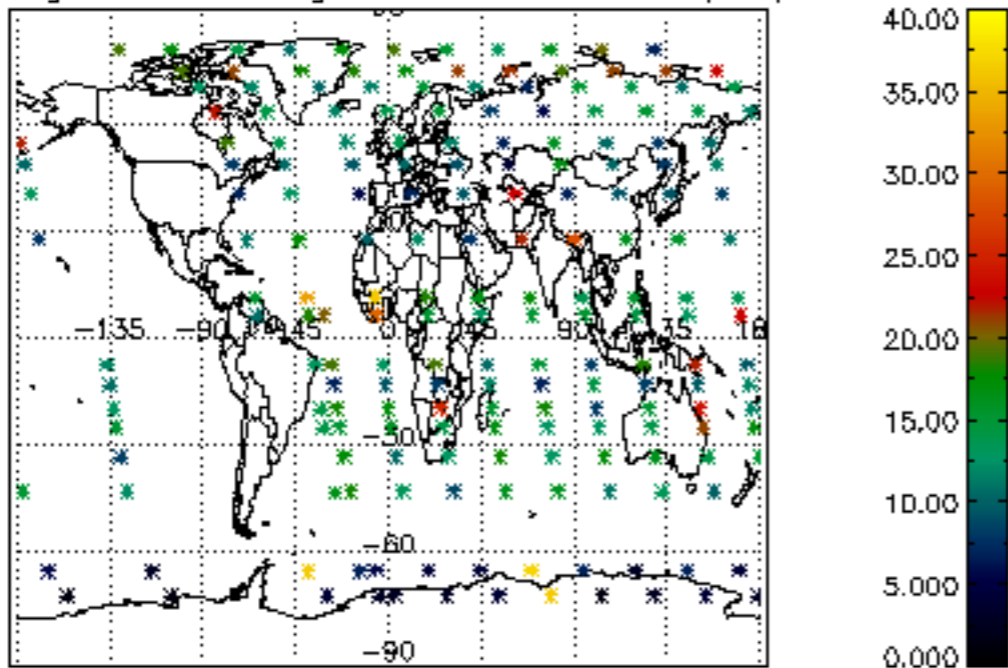
Percentage of cosmic ray hits per profile



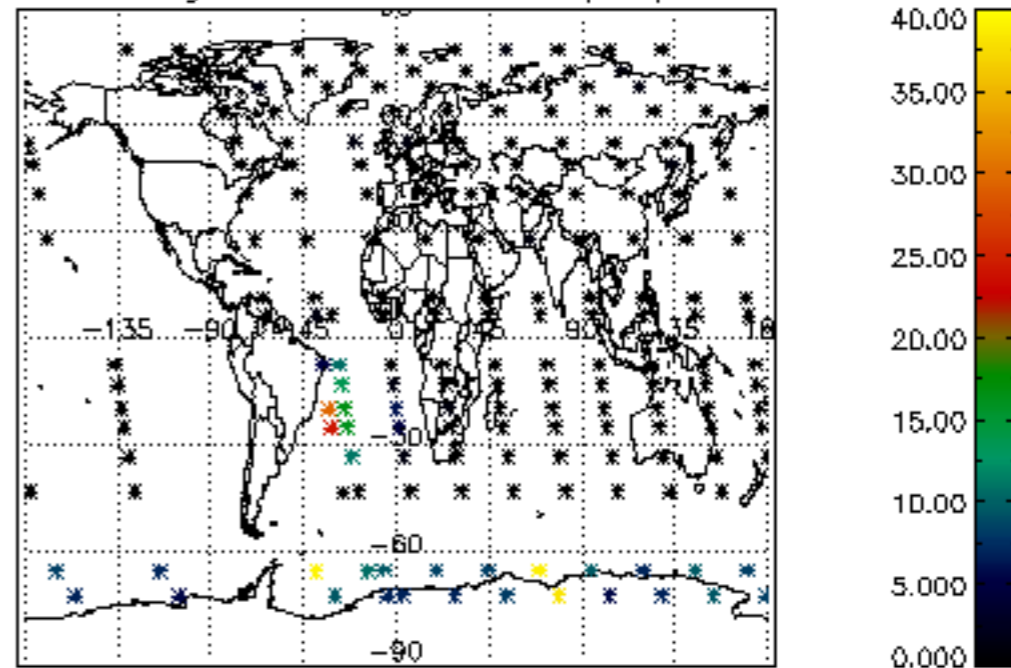
Percentage of datation errors per profile



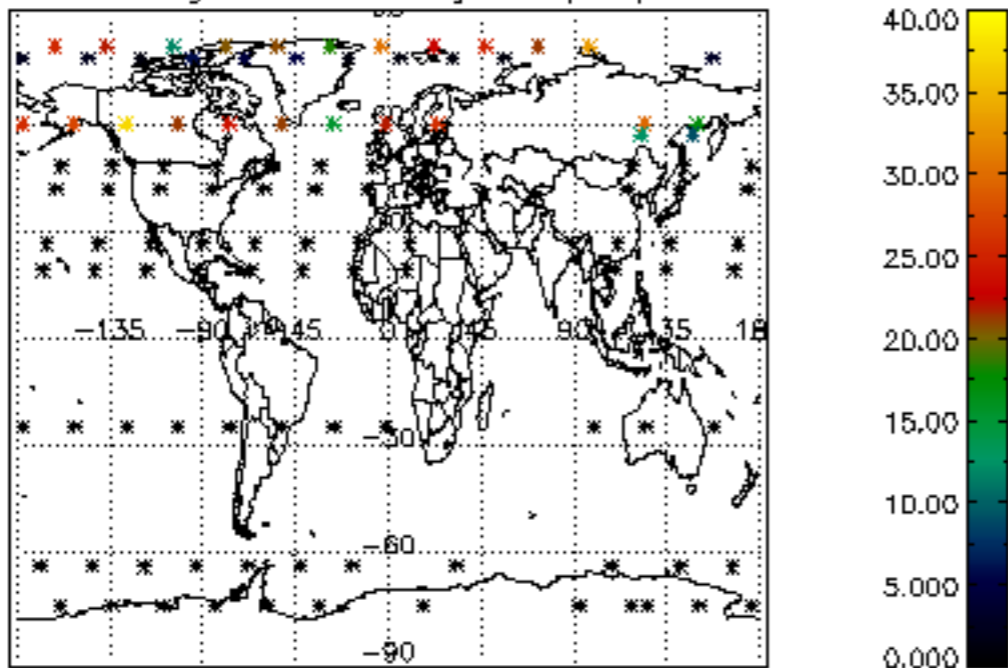
Percentage of star falling outside central band per profile



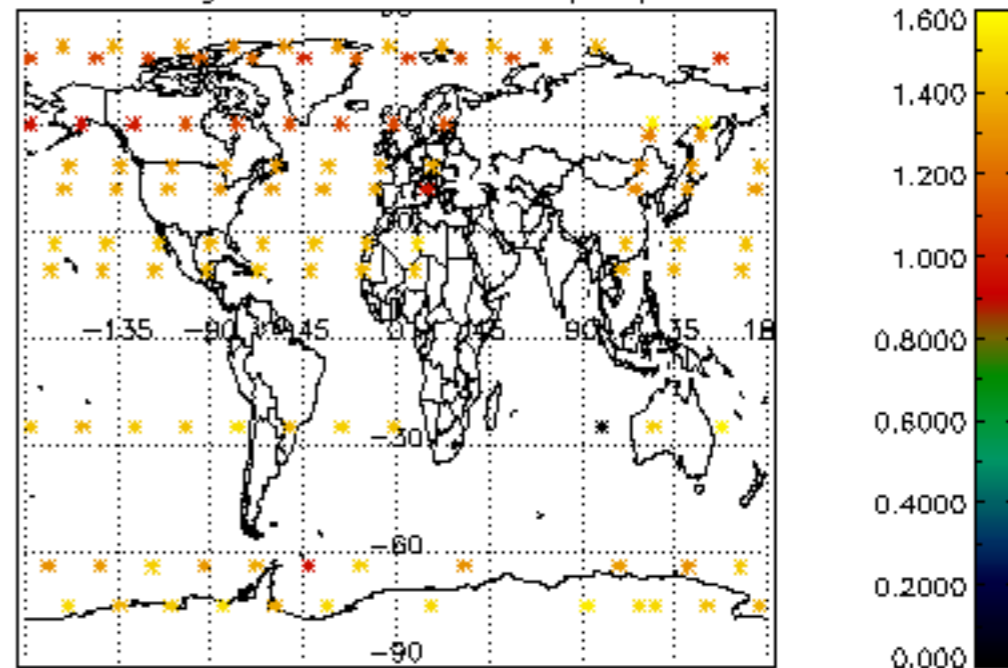
Percentage of saturation errors per profile



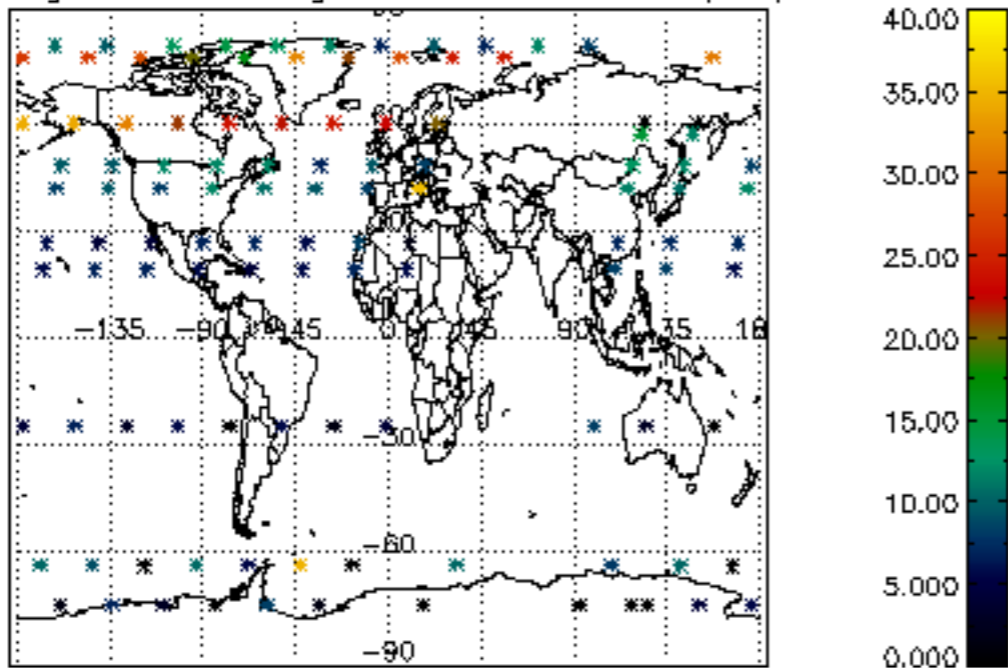
Percentage of cosmic ray hits per profile



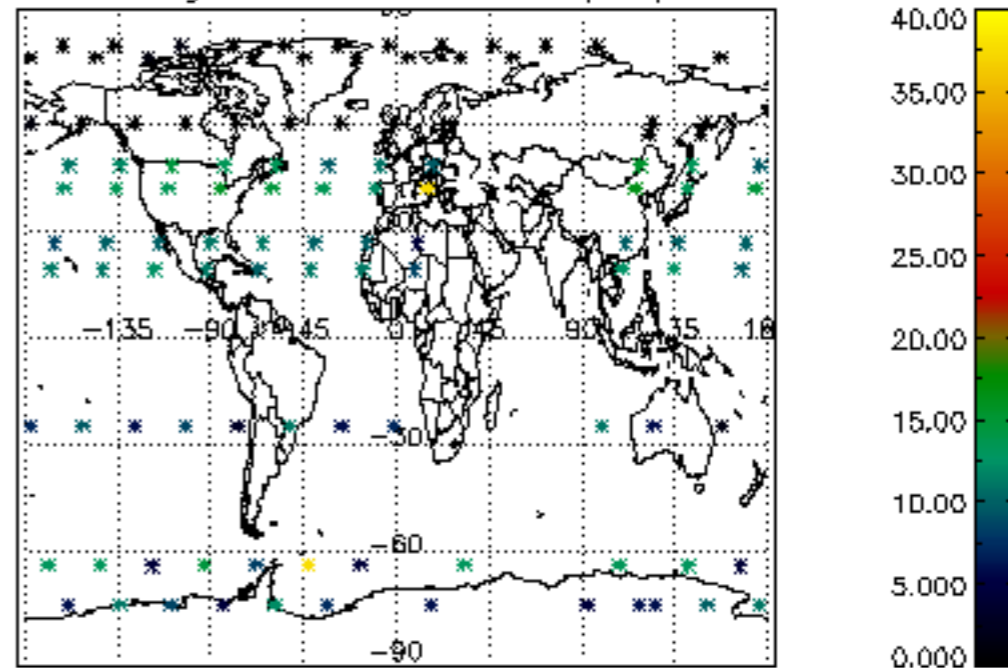
Percentage of datation errors per profile

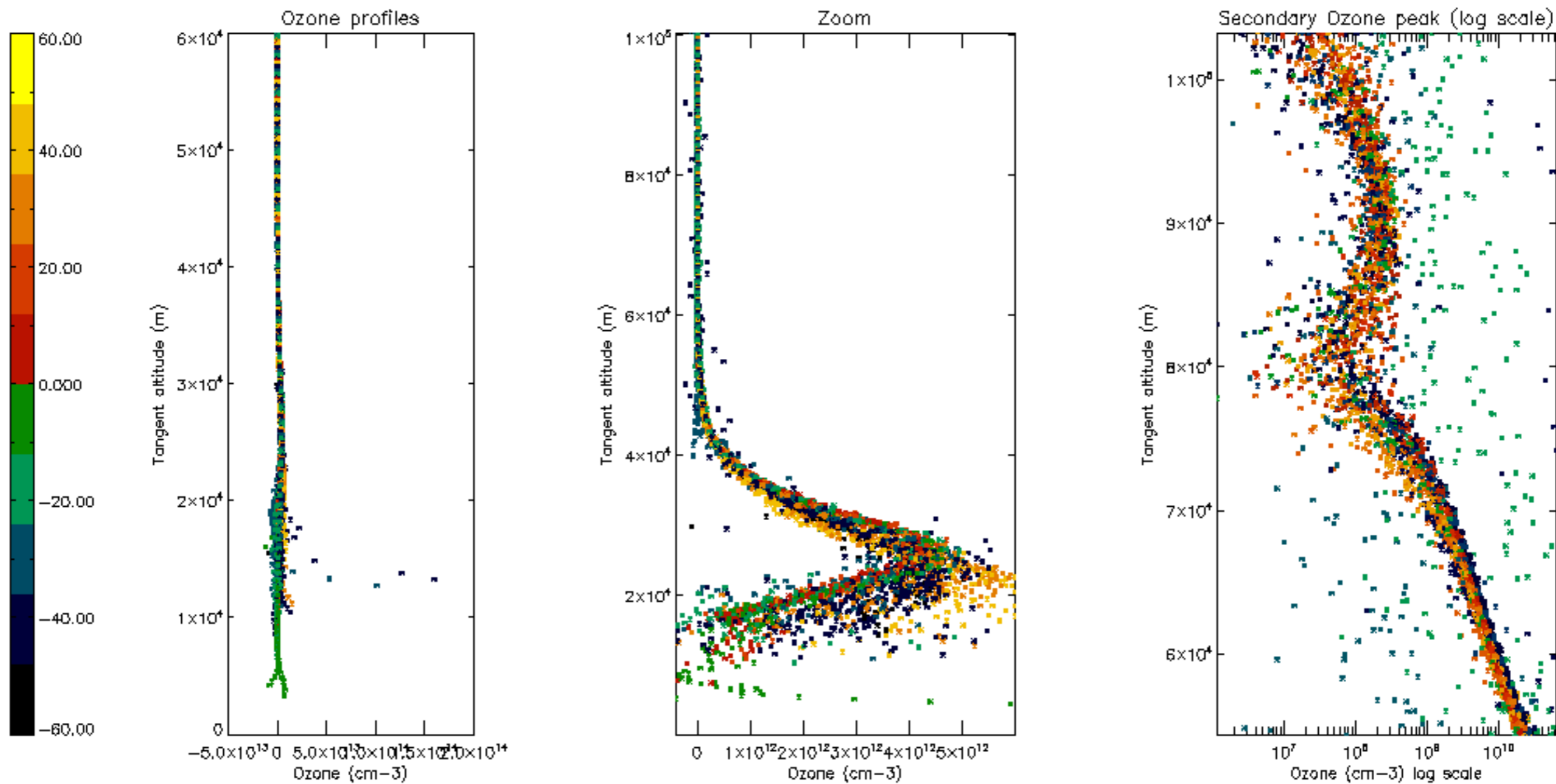


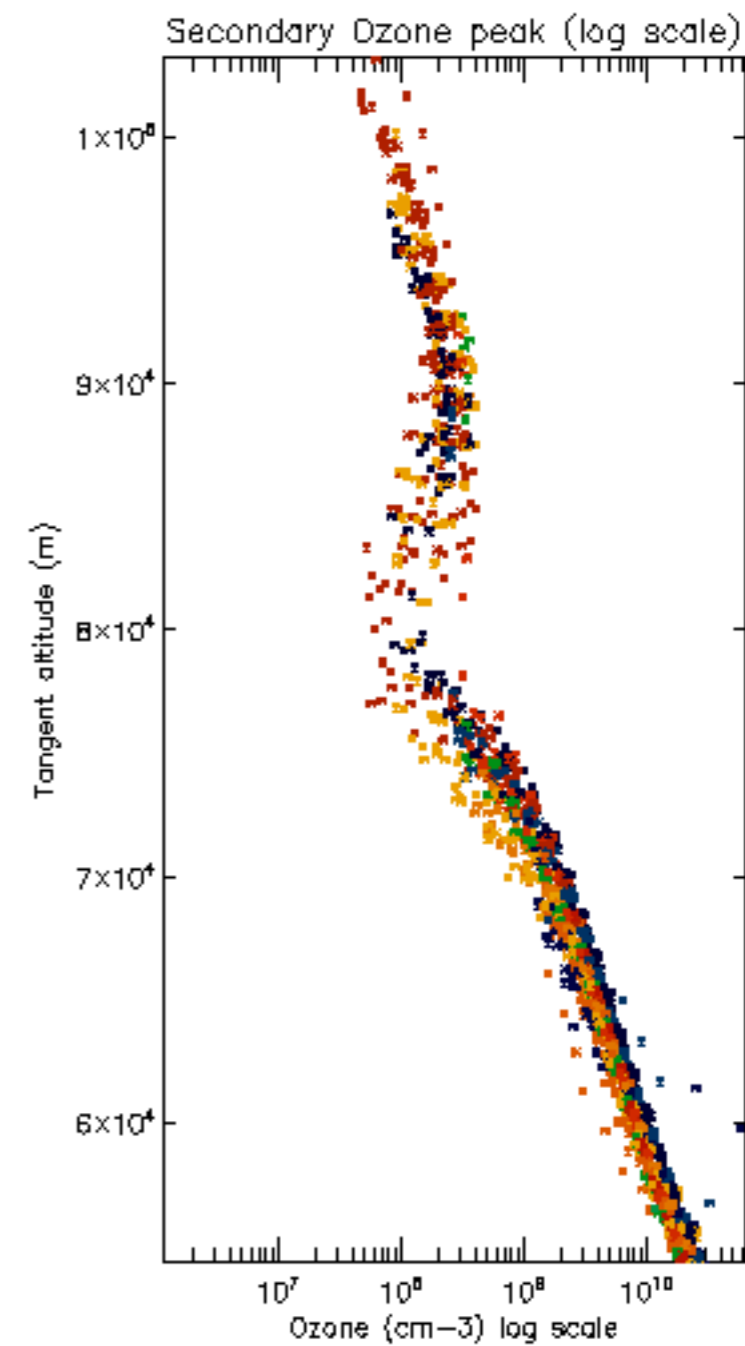
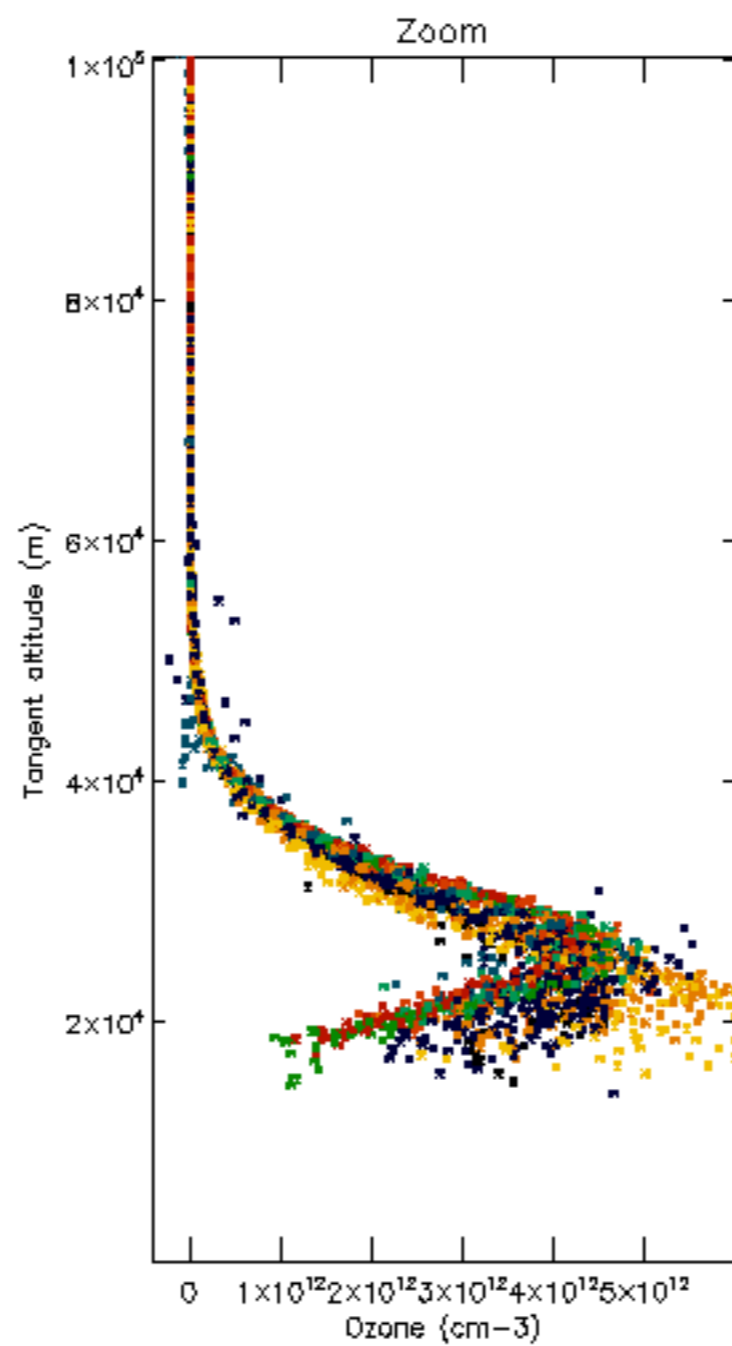
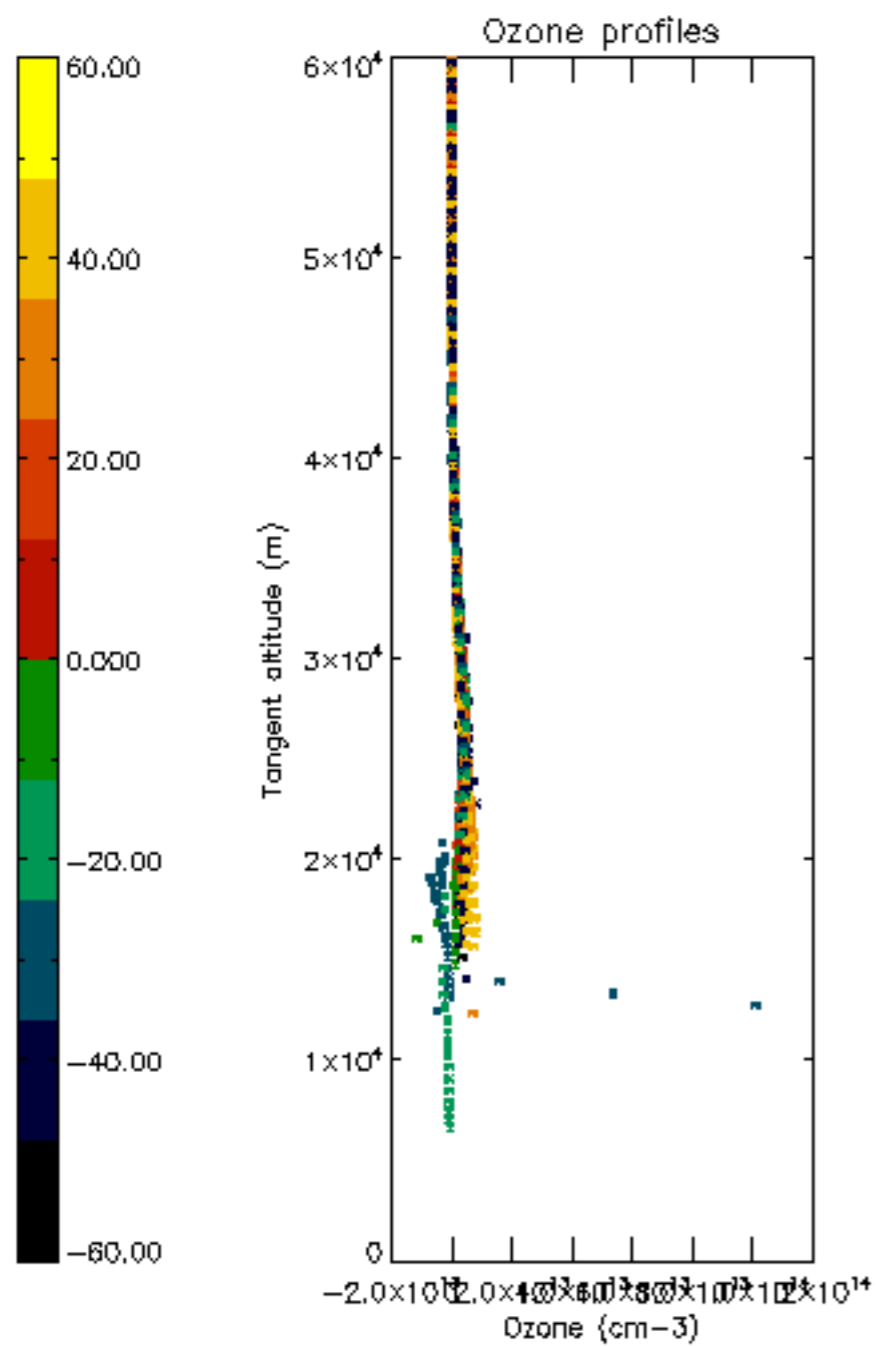
Percentage of star falling outside central band per profile

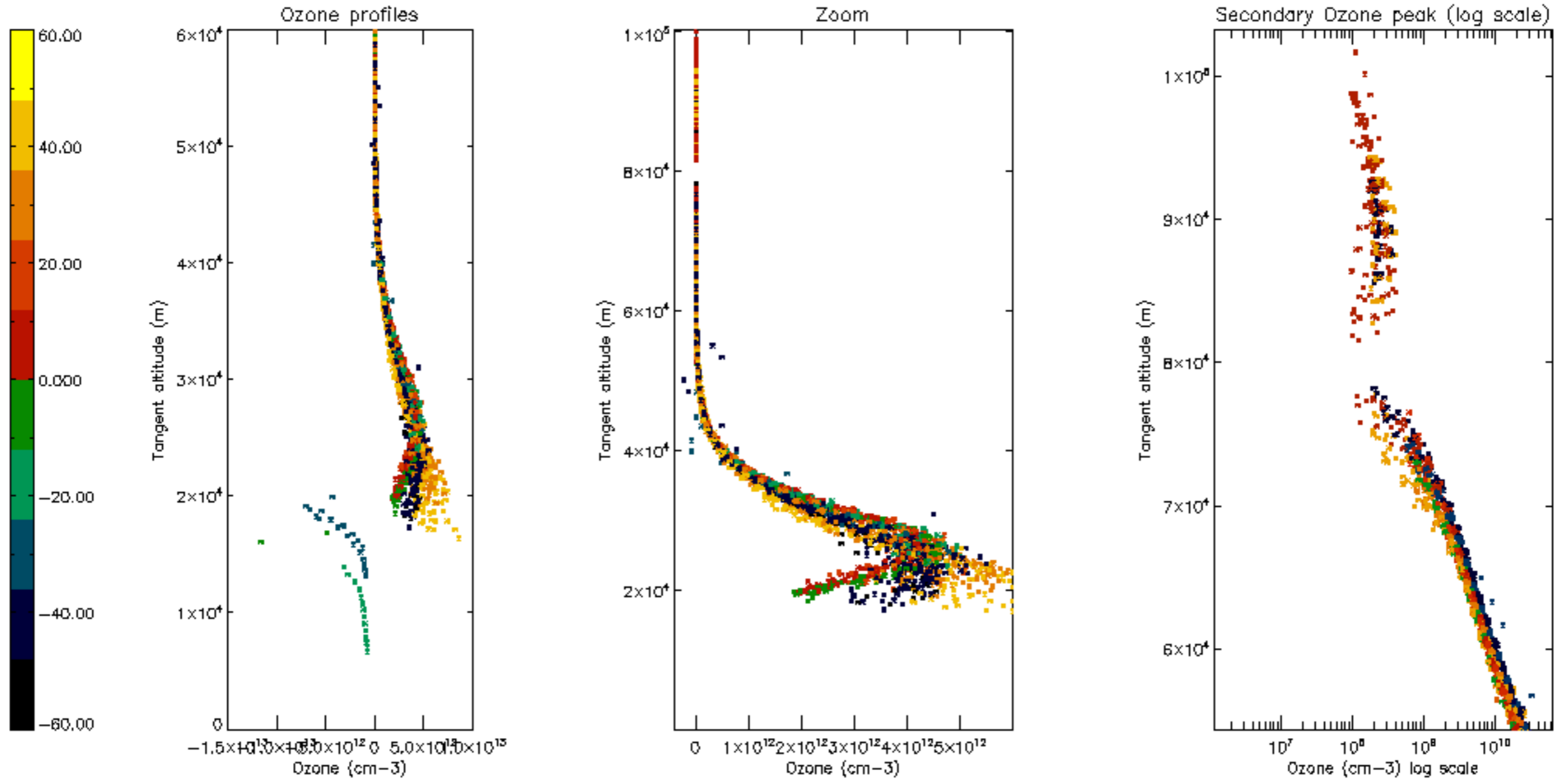


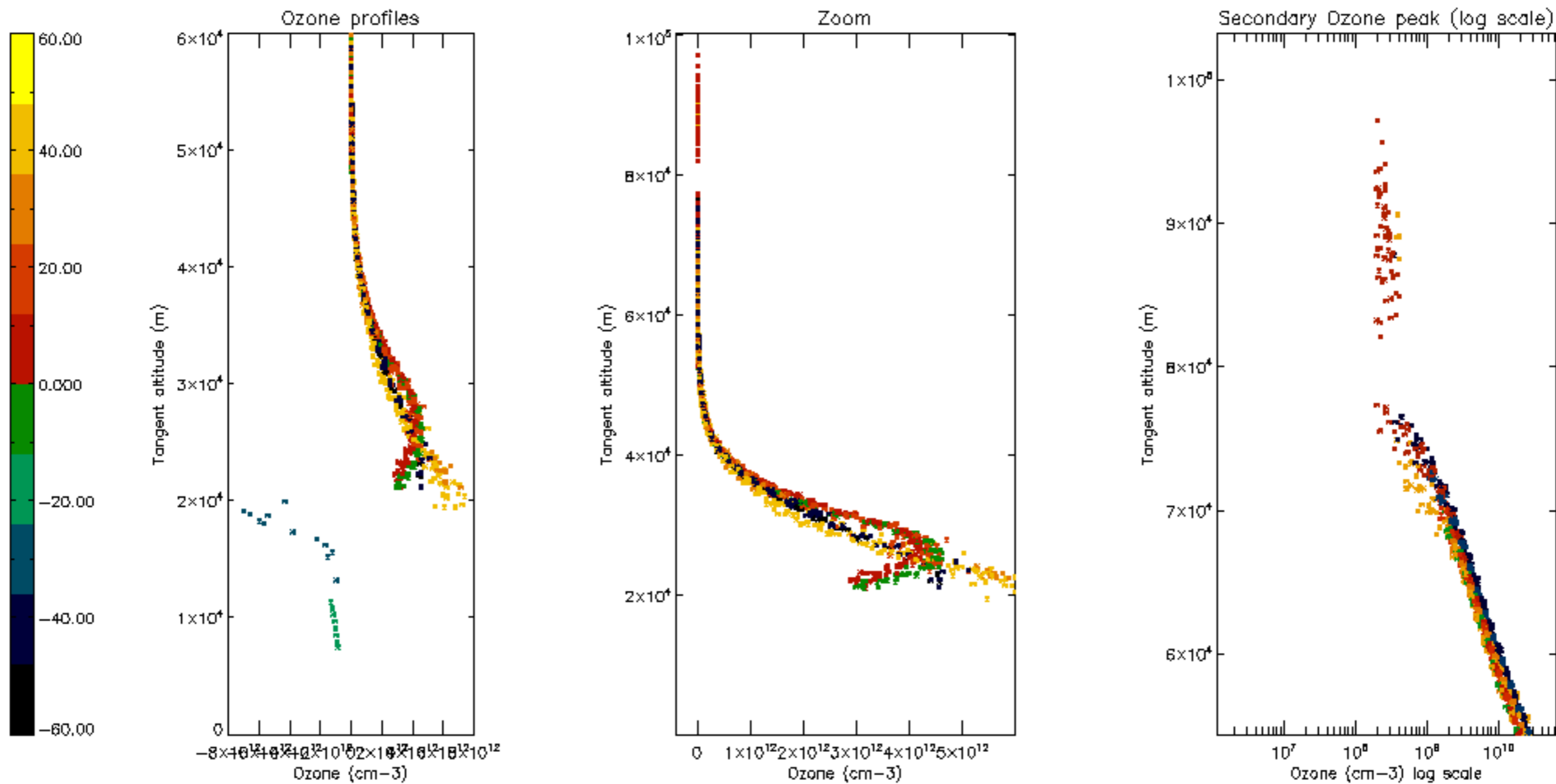
Percentage of saturation errors per profile

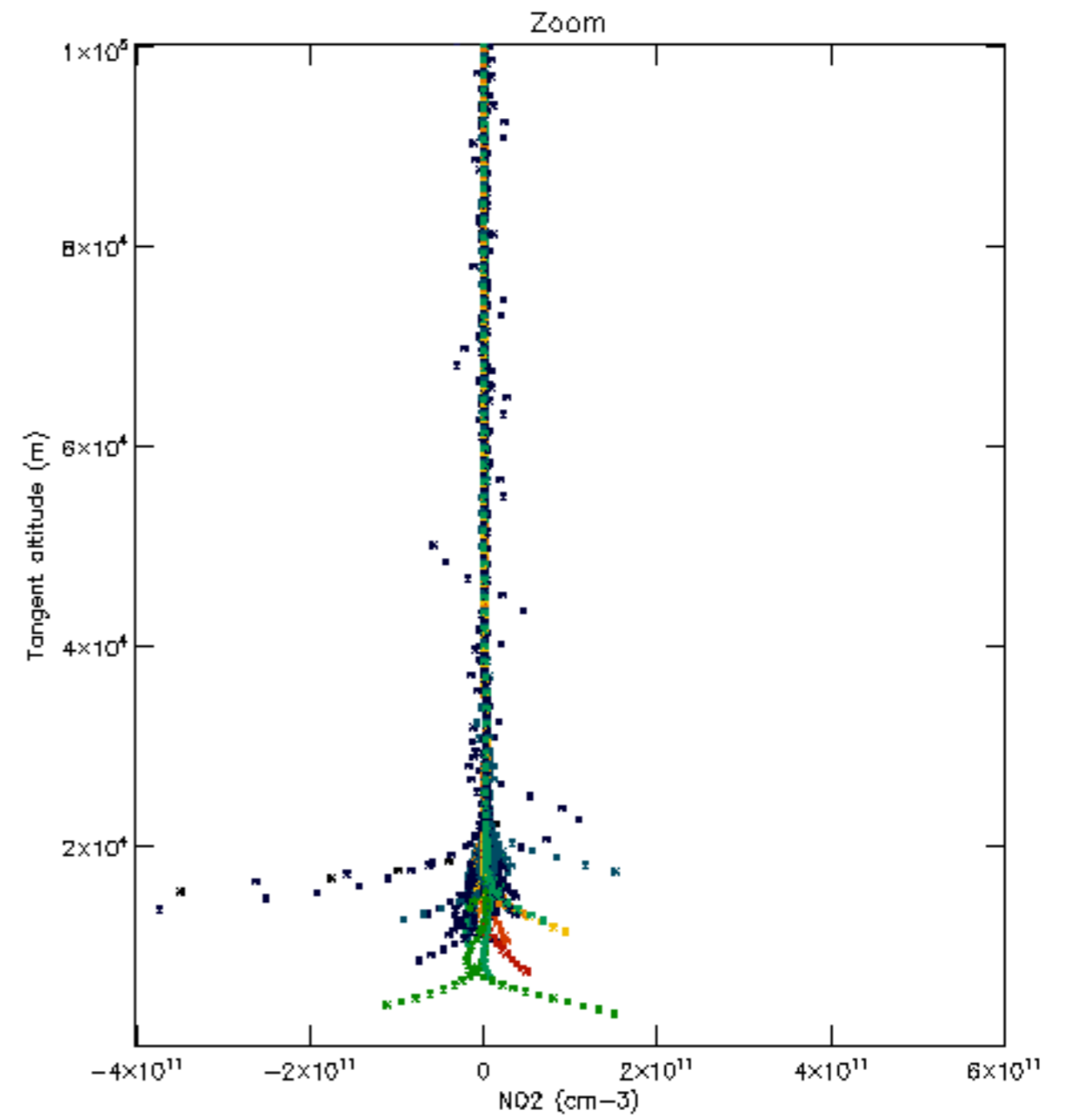
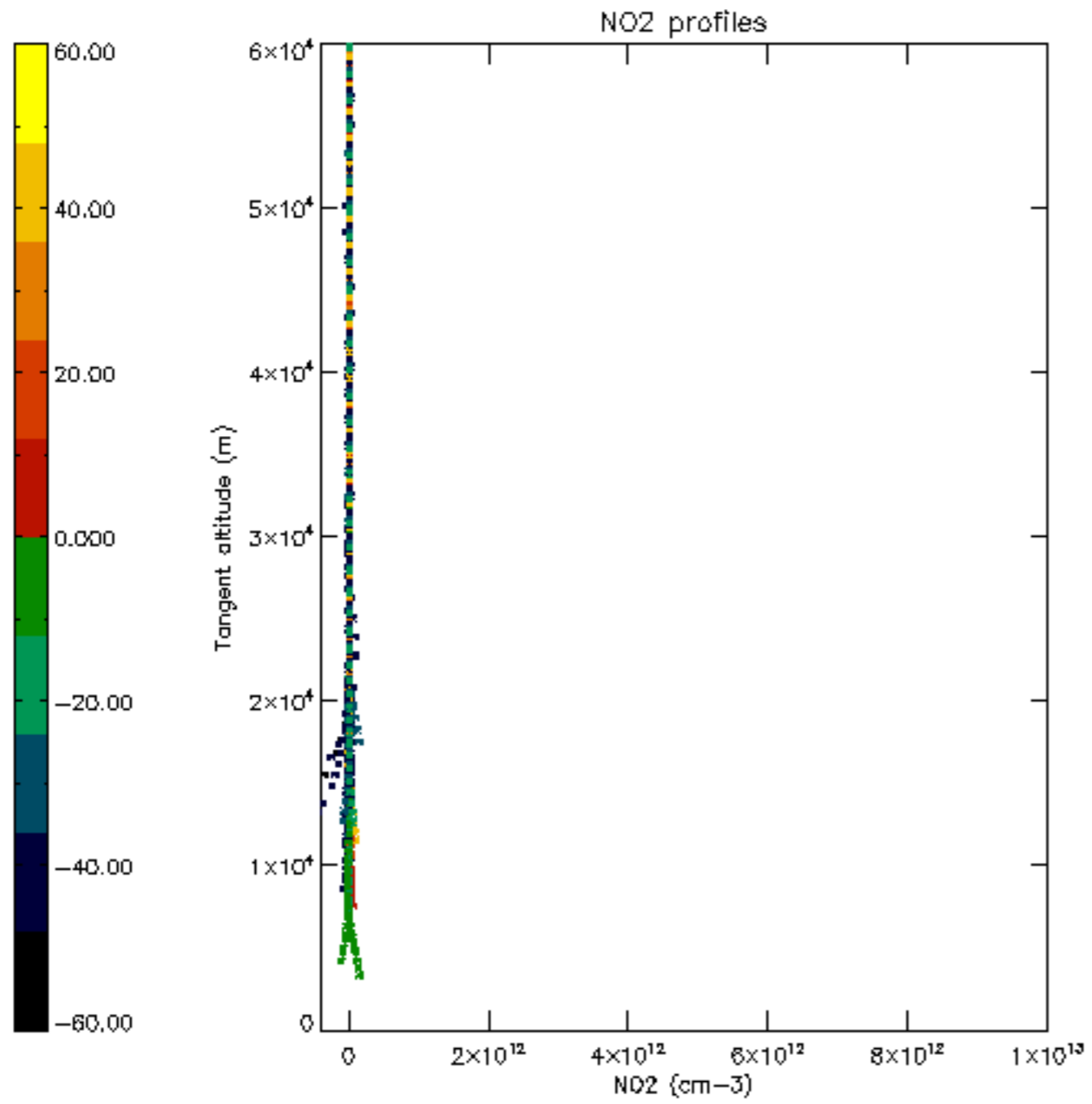


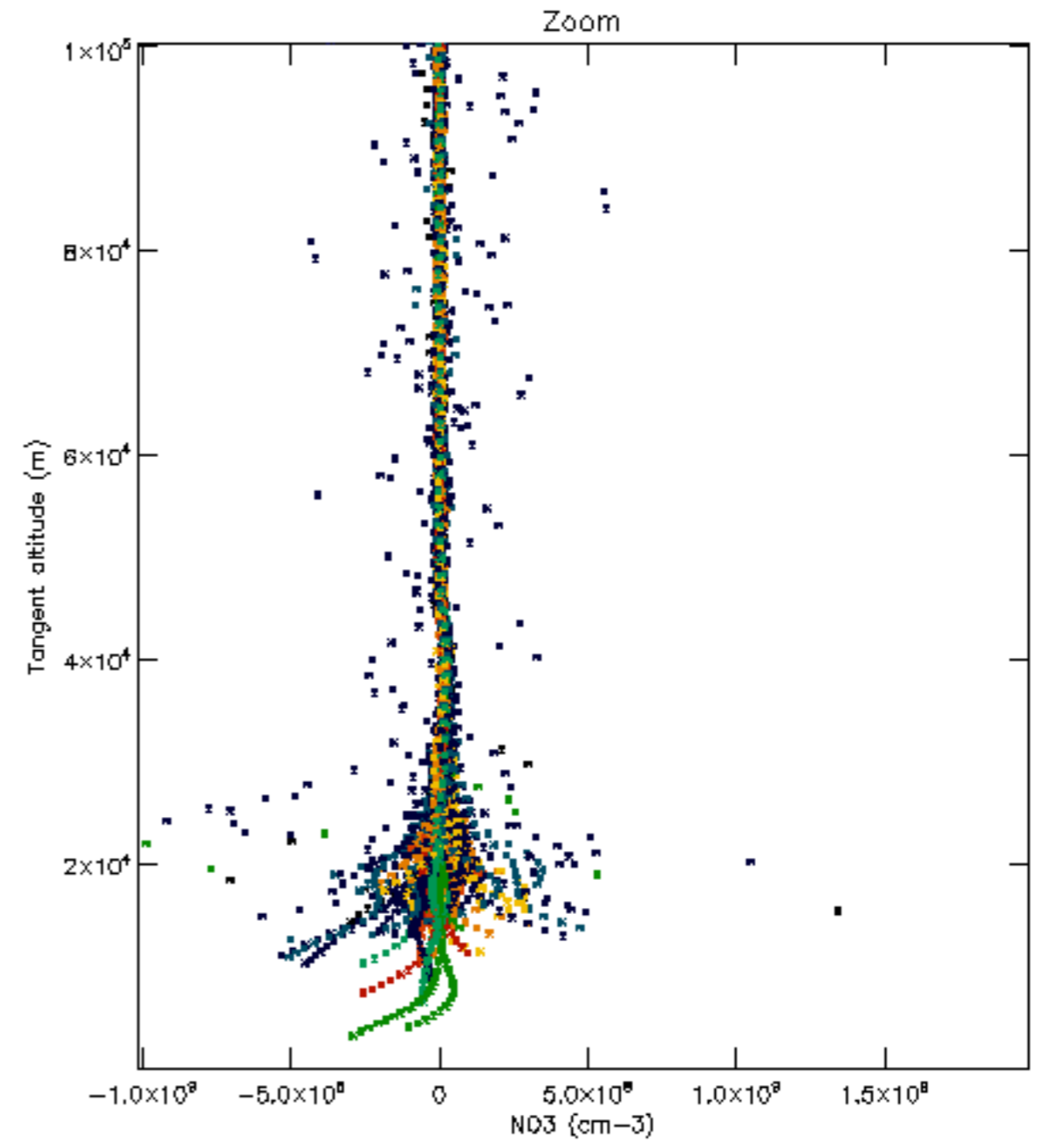
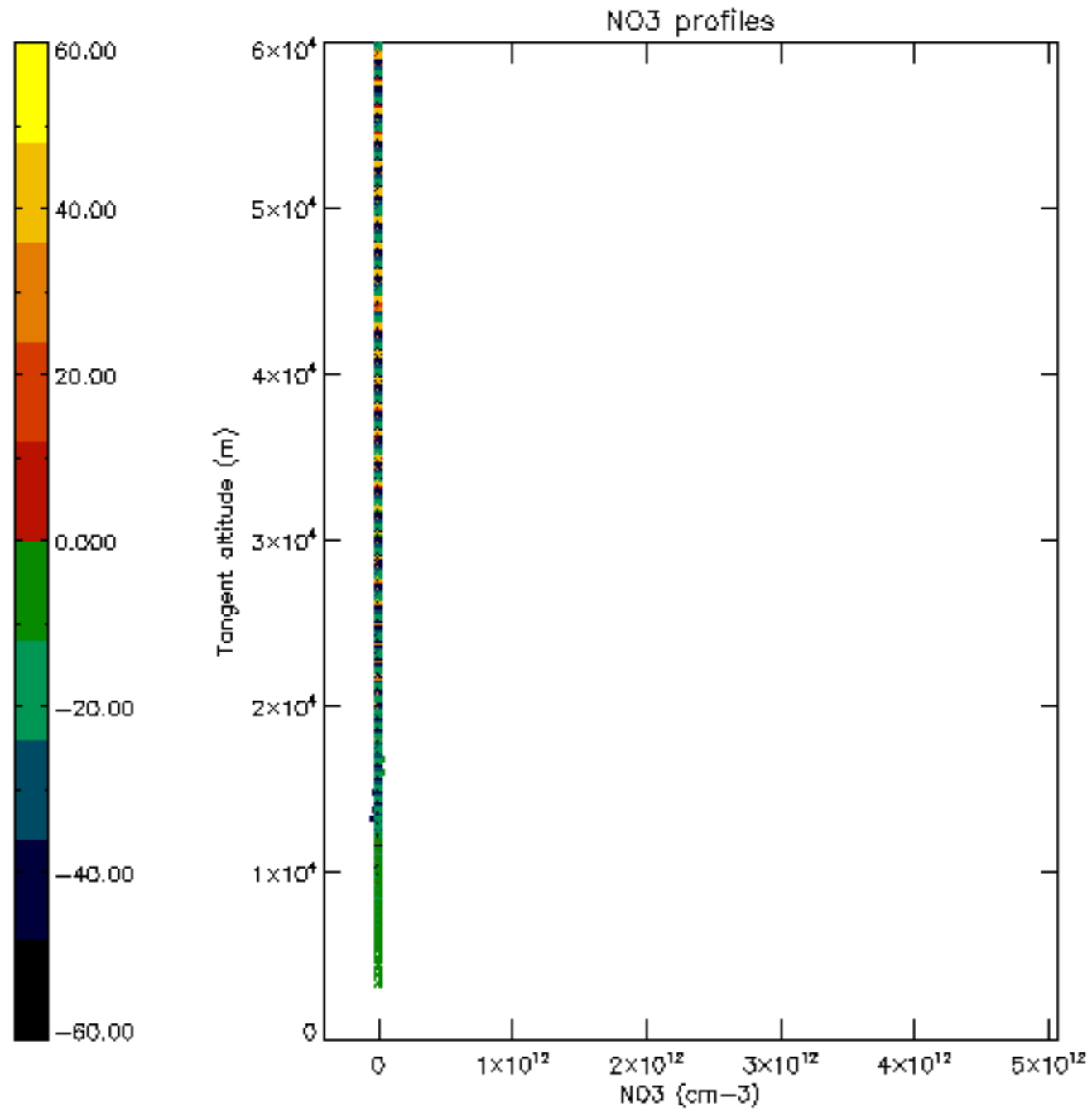


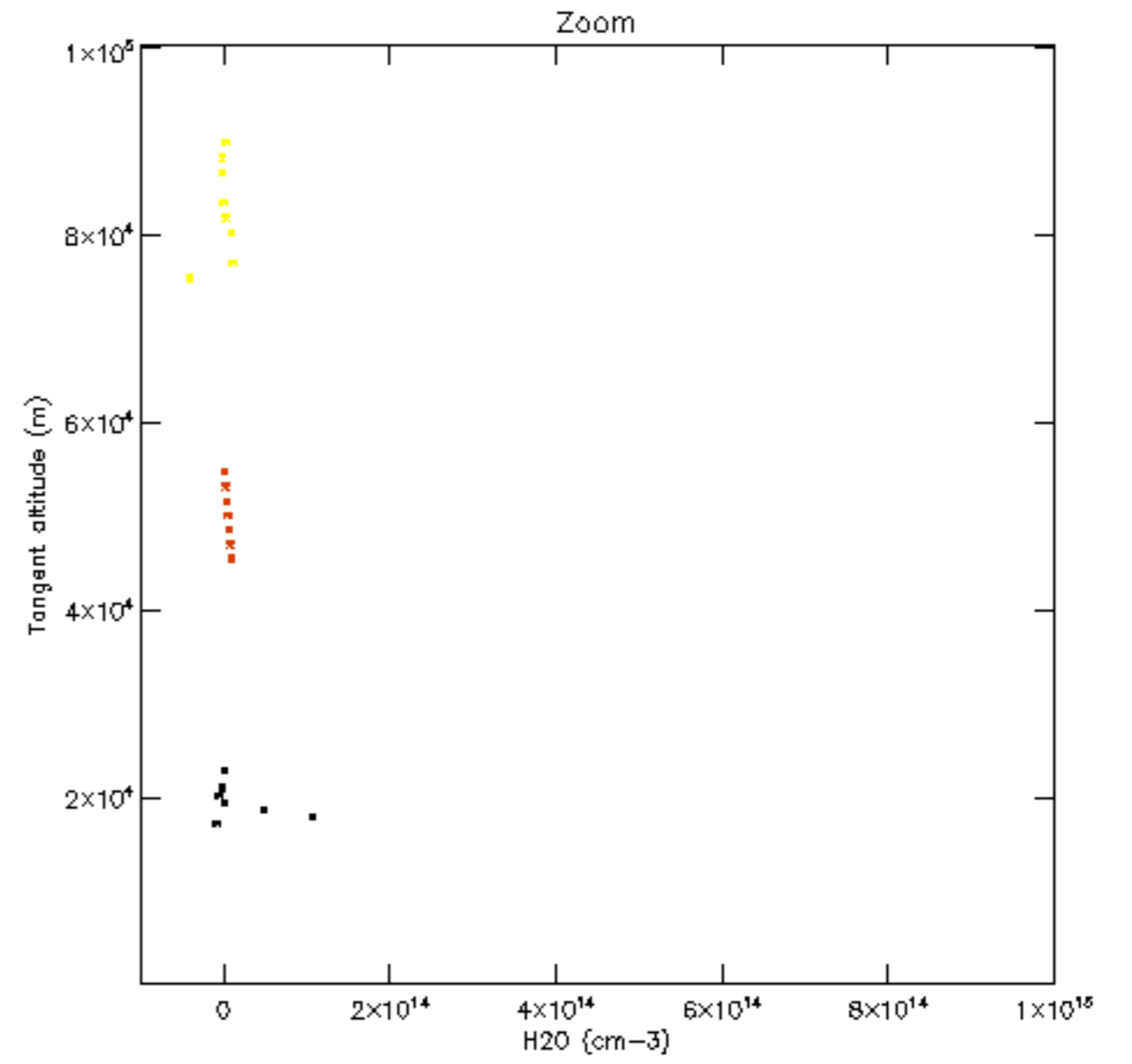
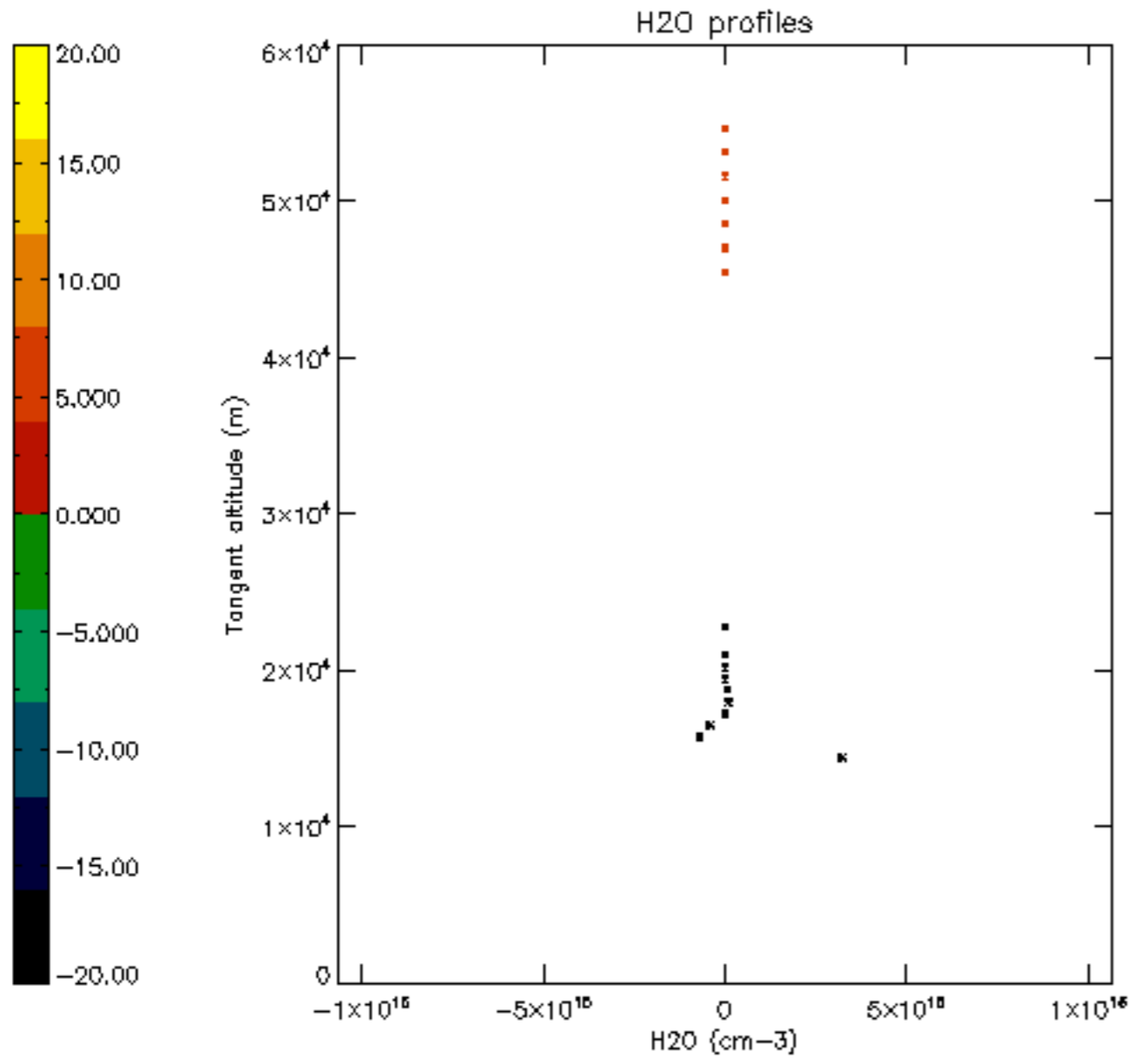


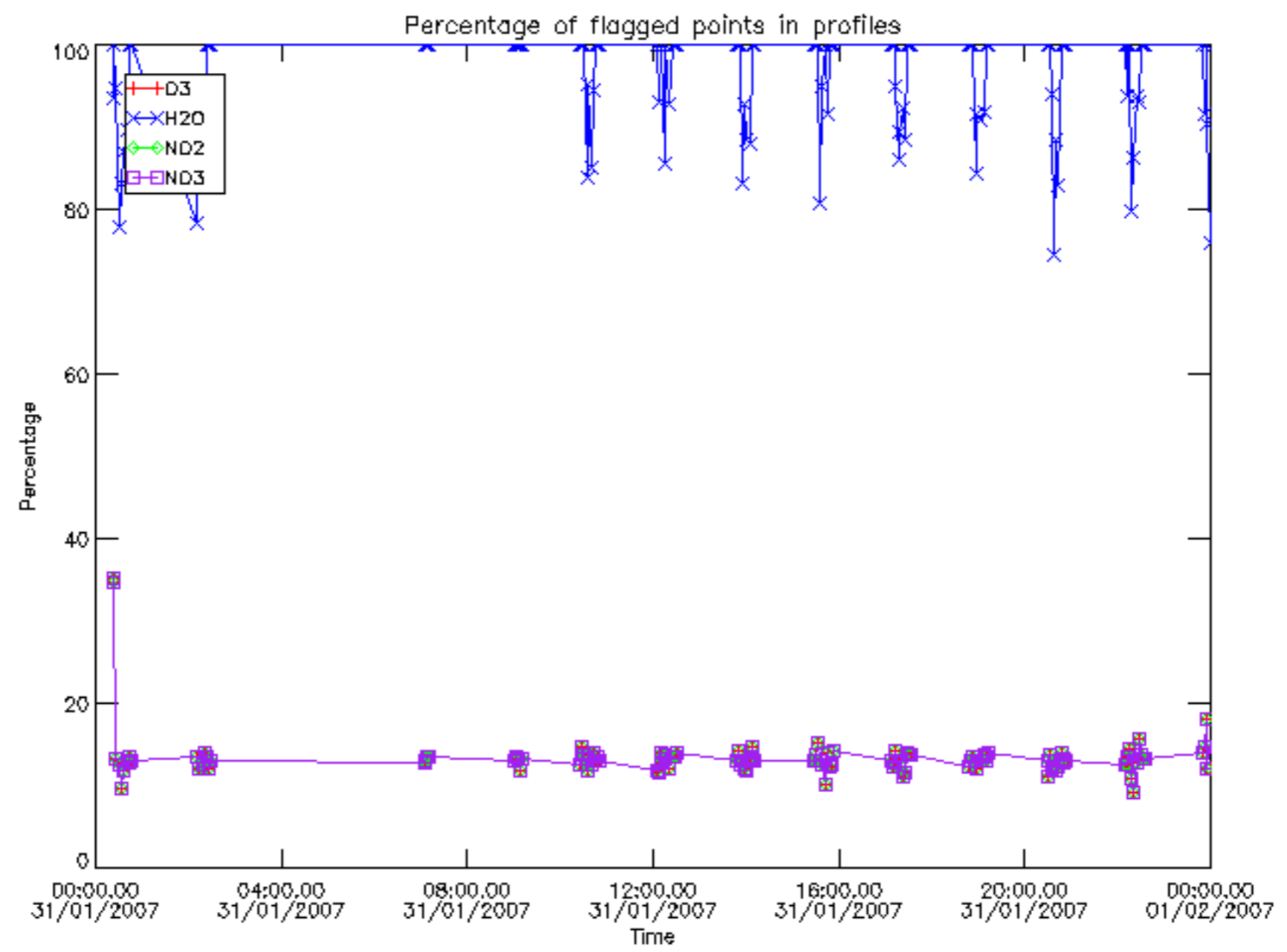




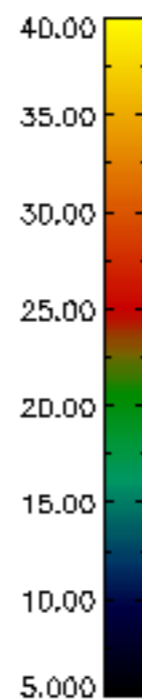
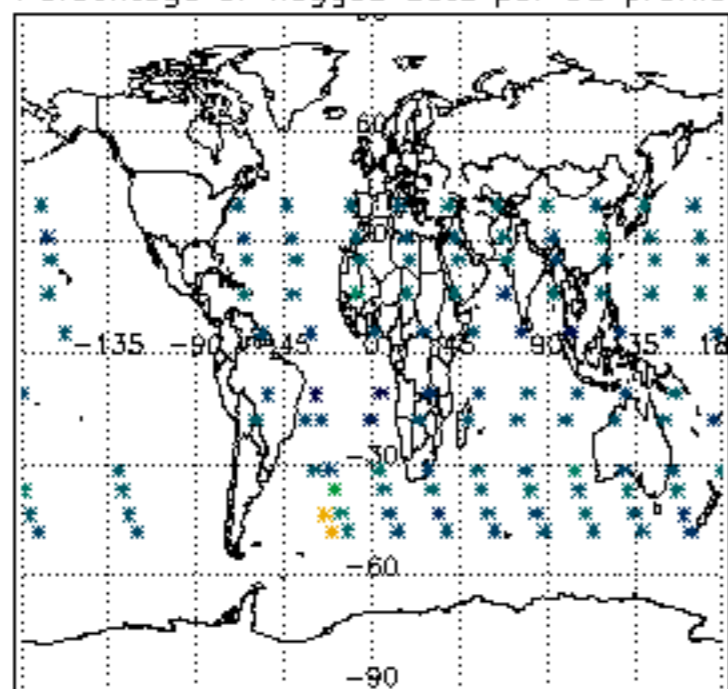




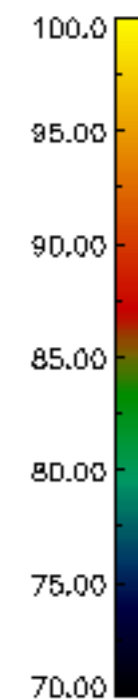
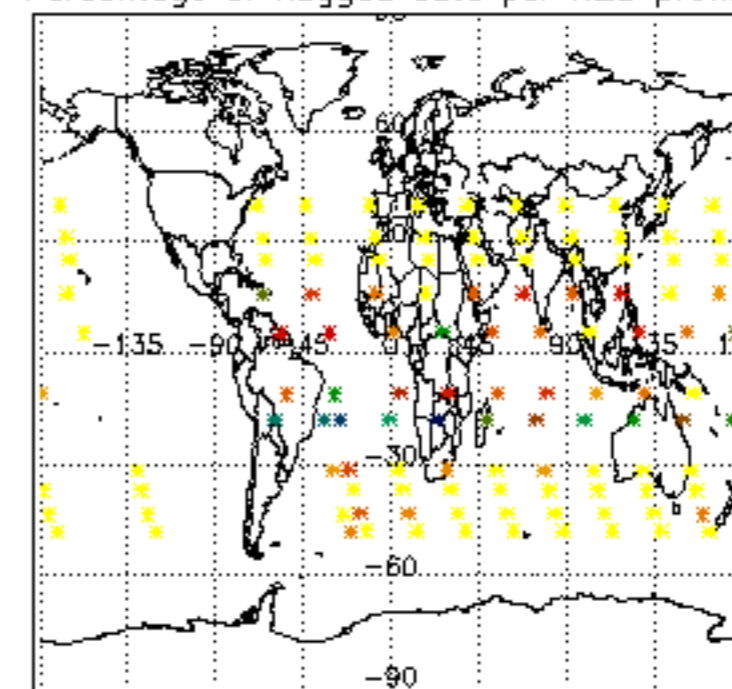




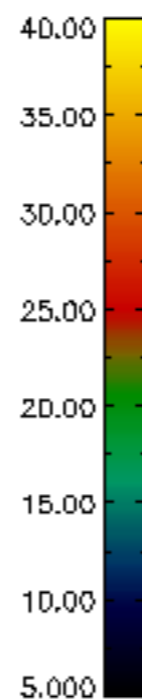
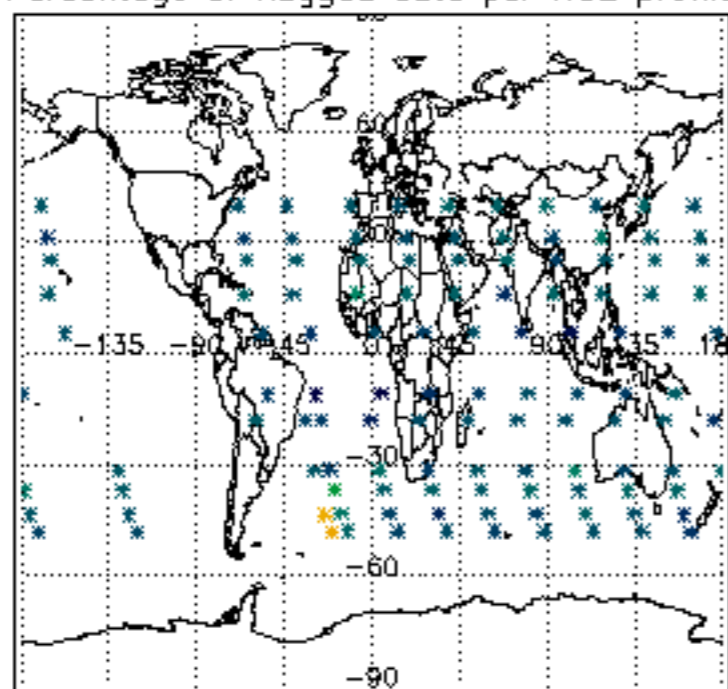
Percentage of flagged data per D3 profile



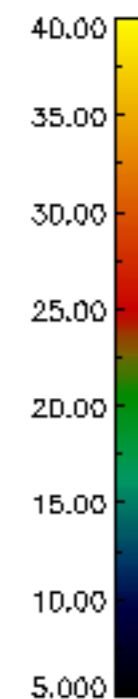
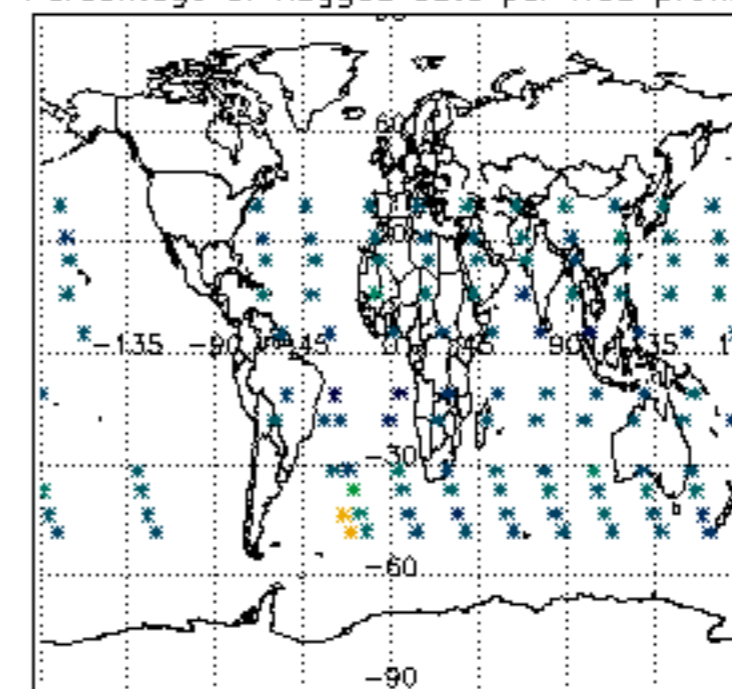
Percentage of flagged data per H2O profile

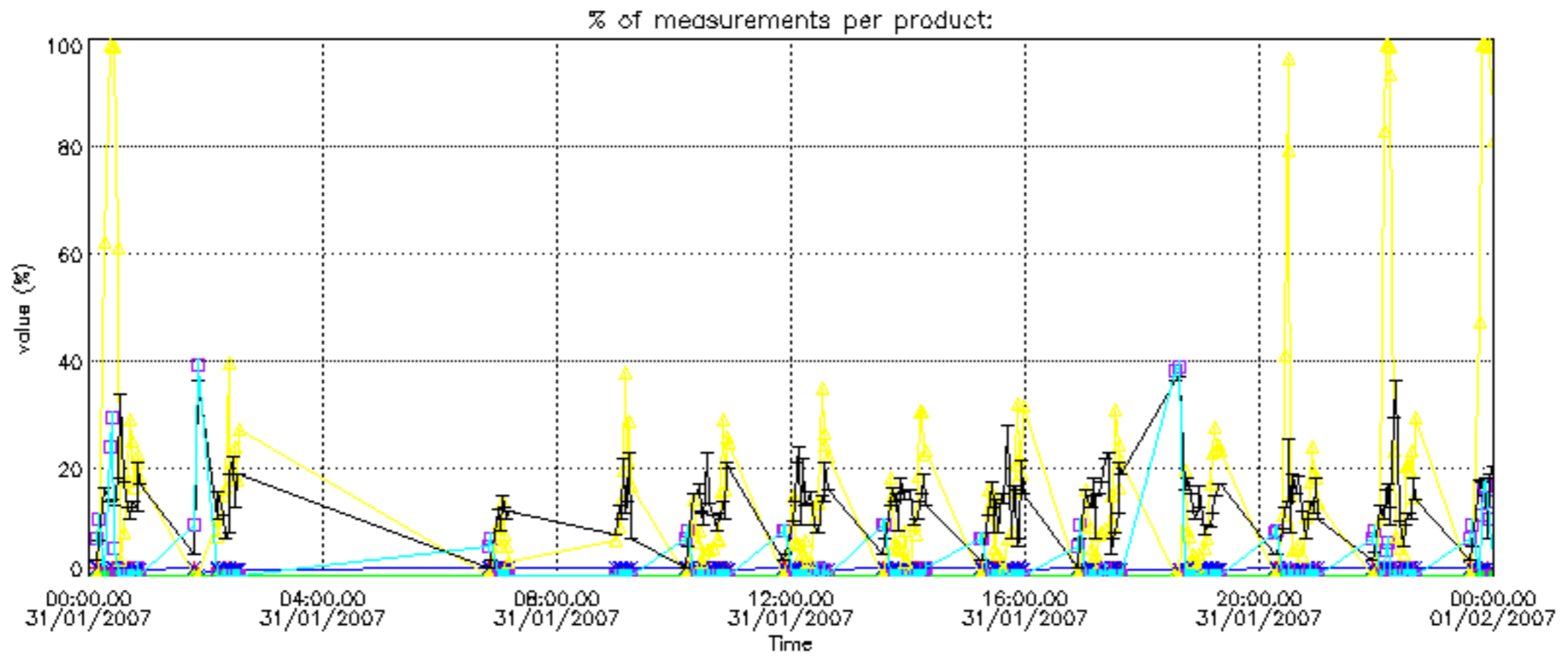


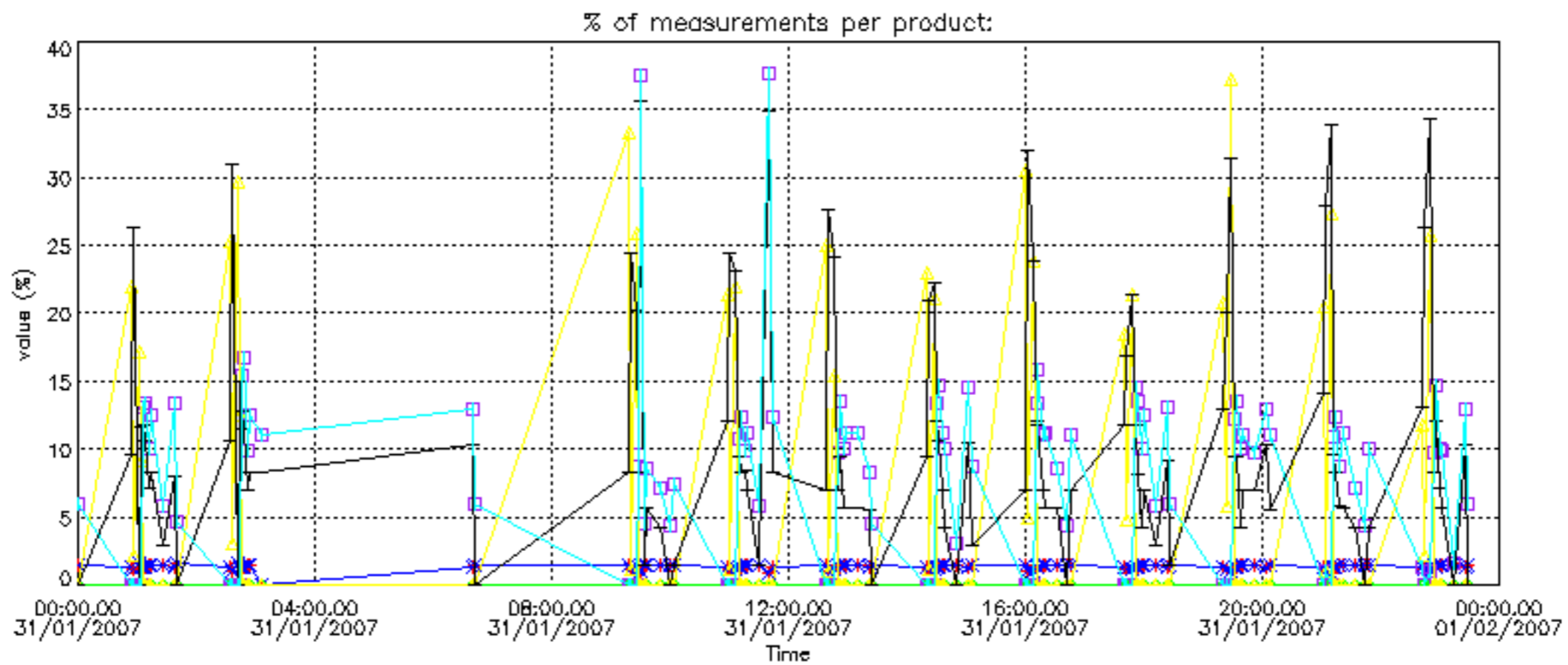
Percentage of flagged data per NO2 profile



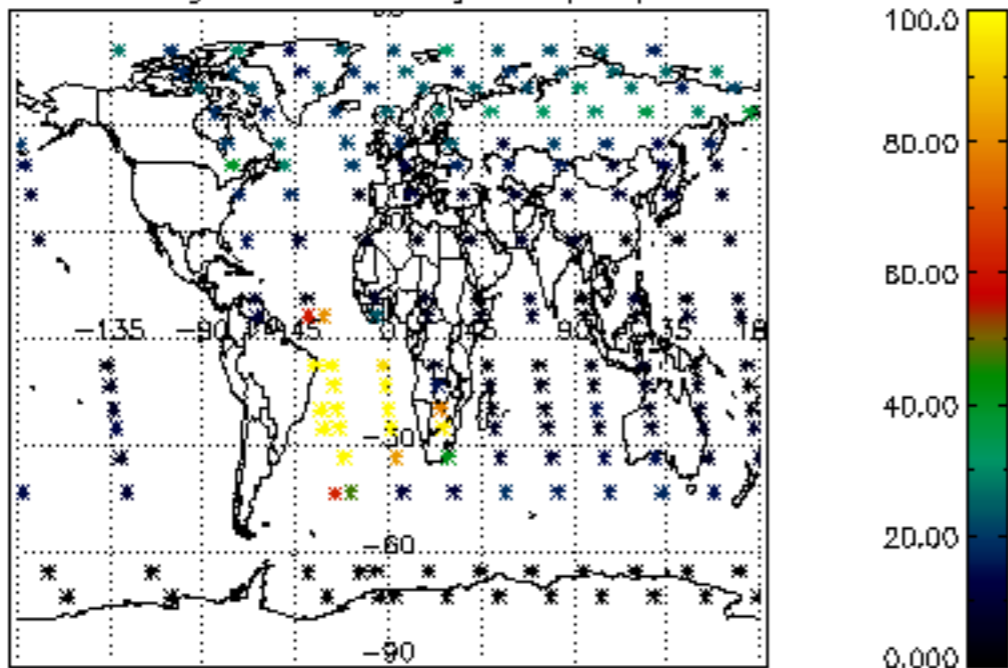
Percentage of flagged data per NO3 profile



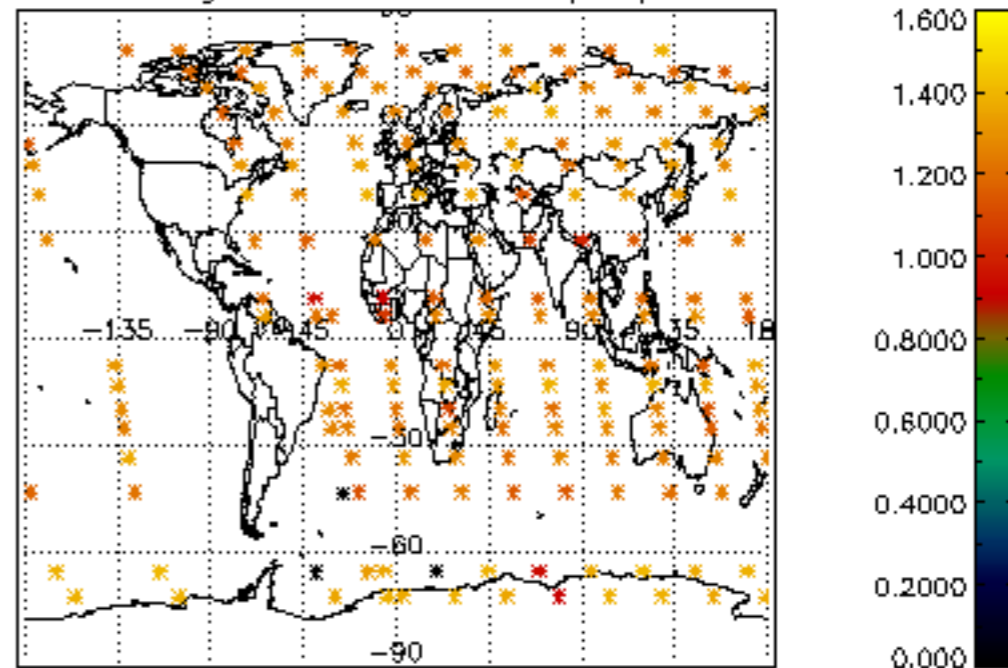




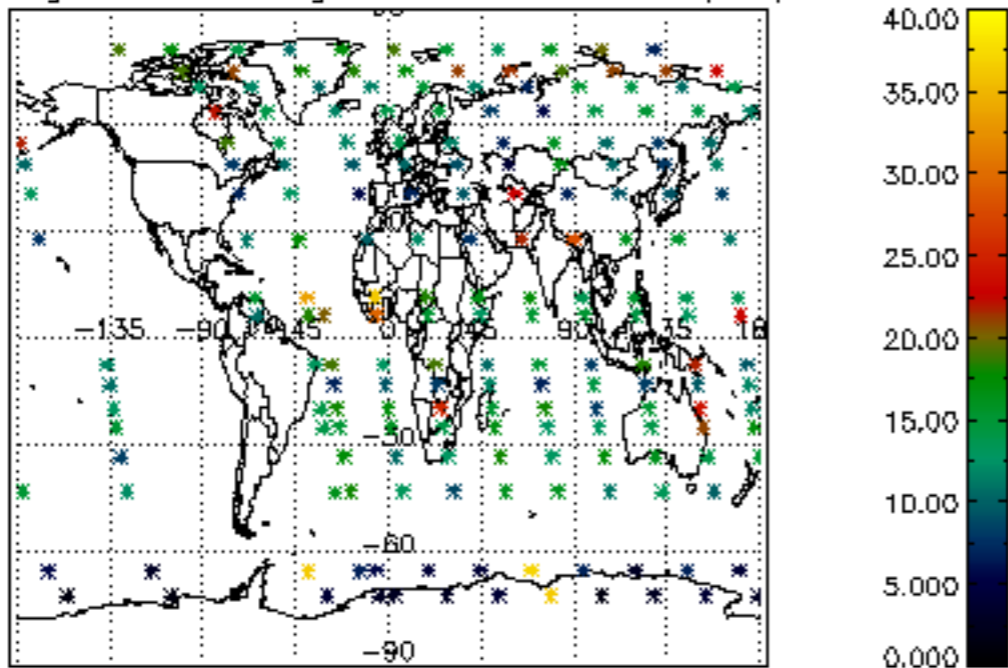
Percentage of cosmic ray hits per profile



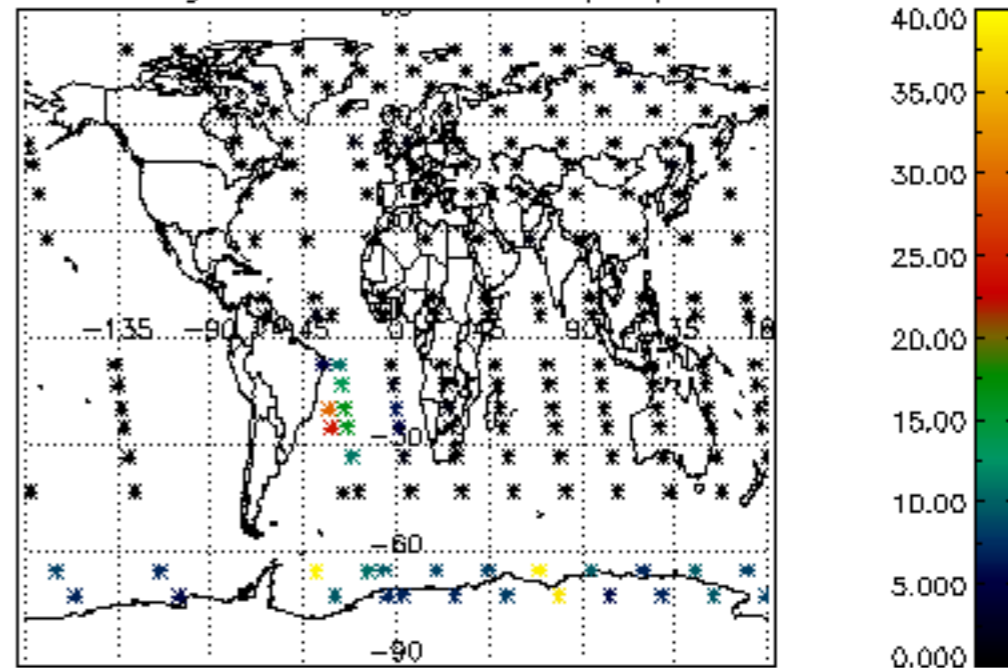
Percentage of datation errors per profile



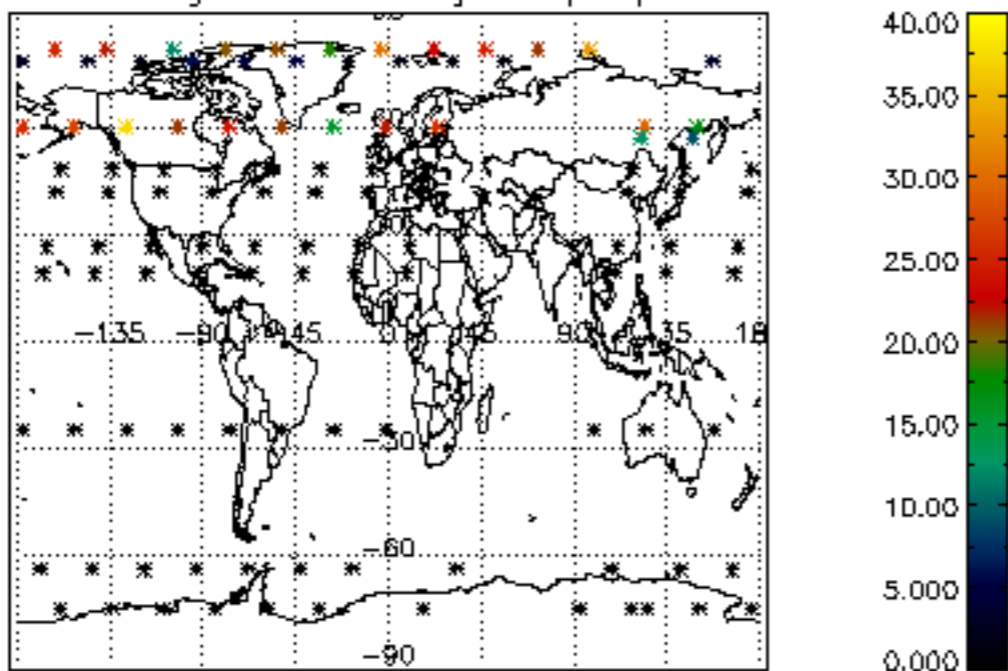
Percentage of star falling outside central band per profile



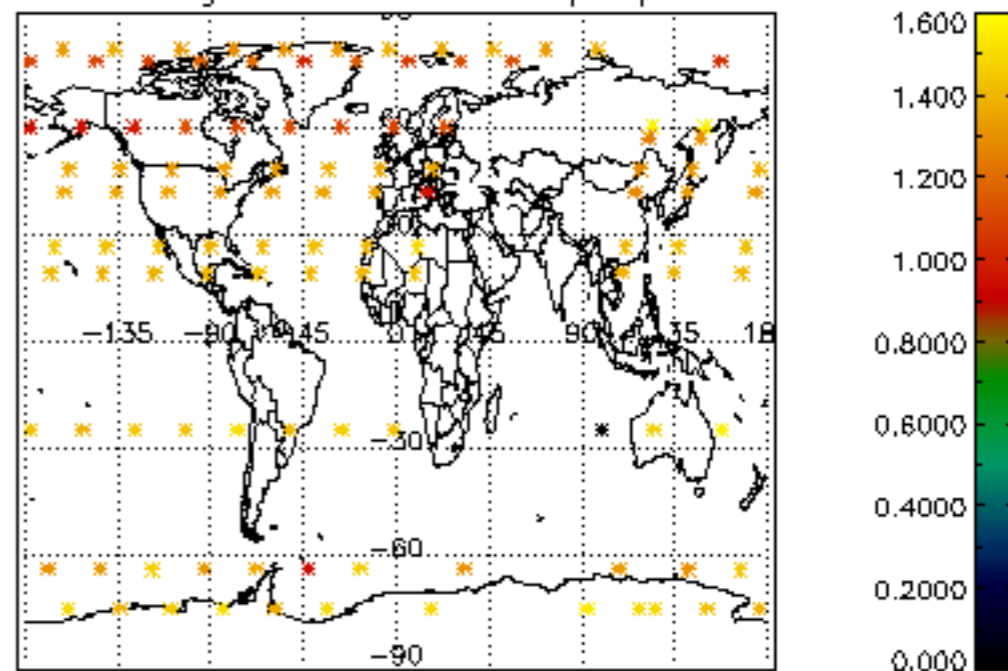
Percentage of saturation errors per profile



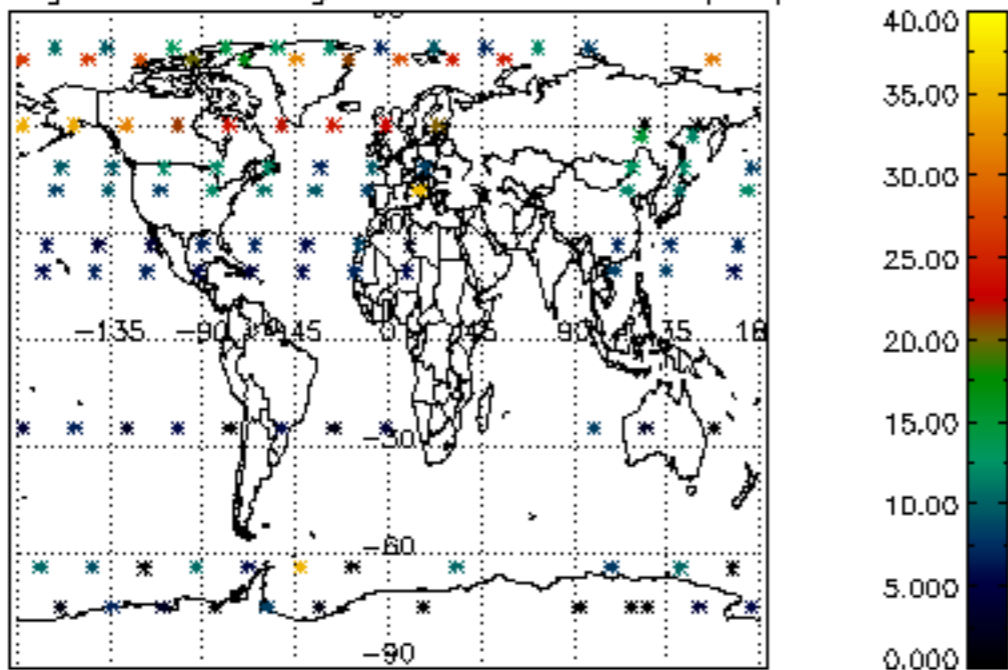
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

