

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	24APR2013 14:04:37
Data source version	GOMOS/6.01
Start time of products	27-05-2011 (27MAY2011 00:00:00)
Stop time of products	28-05-2011 (28MAY2011 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	28
Nb of prods with errors	0

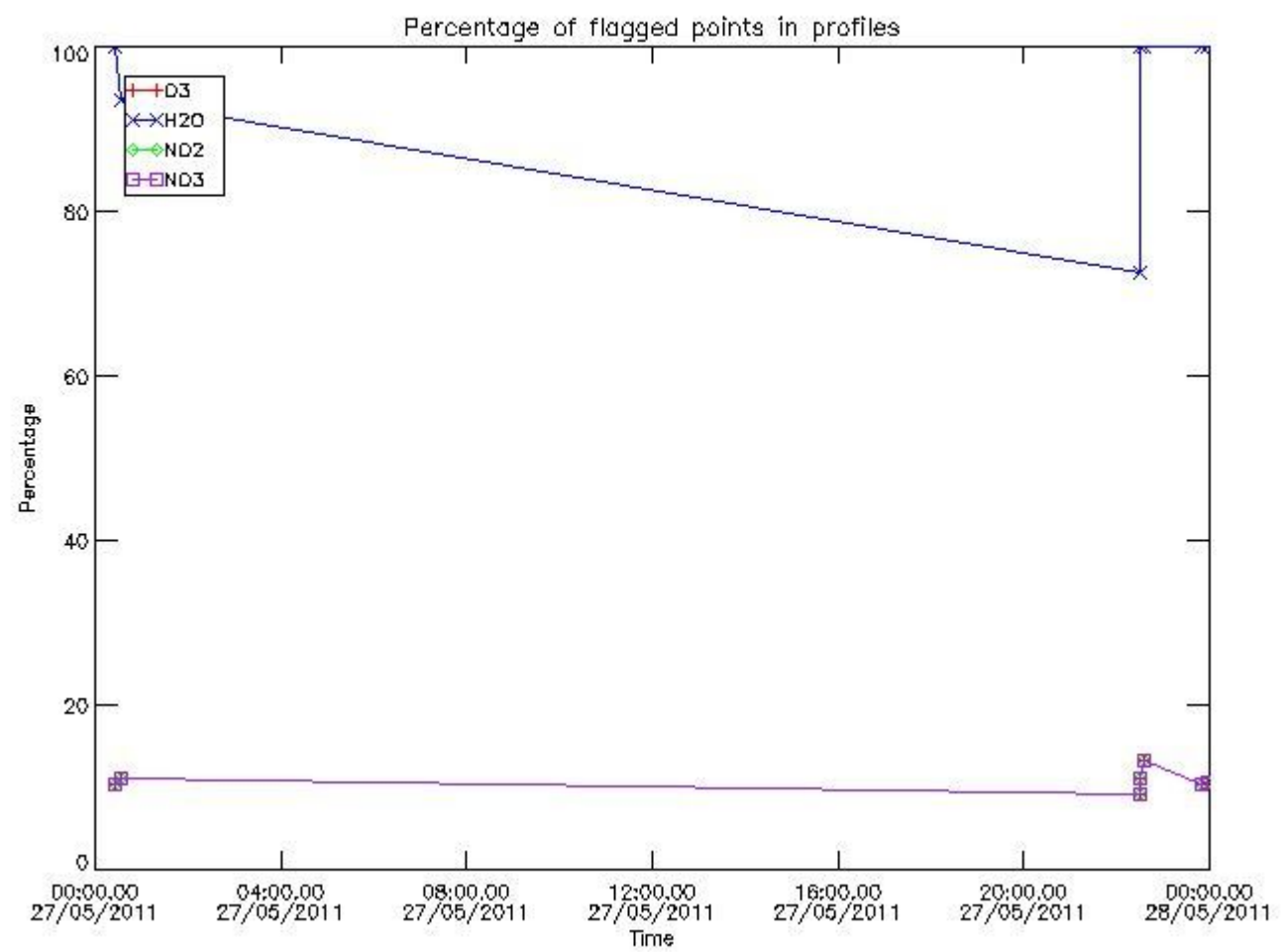
2. Summary of processed GOM_NL__2P products.

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20110527_000621_000000473103_00016_48306_4962.N1	27-MAY-2011 00:06:21	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48306	No
2	GOM_NL__2PRFIN20110527_001051_000000533103_00016_48306_4963.N1	27-MAY-2011 00:10:51	Bright	53.000	76	27Gam Cas	2.3000	30000.	106	48306	No
3	GOM_NL__2PRFIN20110527_001823_000000413103_00016_48306_4964.N1	27-MAY-2011 00:18:23	Bright	40.500	53	43Bet And	2.0480	3300.0	81	48306	No
4	GOM_NL__2PRFIN20110527_002058_000000513103_00016_48306_4965.N1	27-MAY-2011 00:20:58	Twilight	51.000	58	21Alp And	2.0730	11000.	102	48306	No
5	GOM_NL__2PRFIN20110527_002536_000000493103_00016_48306_4966.N1	27-MAY-2011 00:25:36	Dark	49.000	140	88Gam Peg	2.8340	26000.	98	48306	No
6	GOM_NL__2PRFIN20110527_003429_000000463103_00016_48306_4967.N1	27-MAY-2011 00:34:29	Dark	46.000	52	16Bet Cet	2.0370	4500.0	92	48306	No
7	GOM_NL__2PRFIN20110527_222923_000000613103_00030_48320_5602.N1	27-MAY-2011 22:29:23	Dark	60.500	63	Bet Gru	2.1500	2800.0	121	48320	No
8	GOM_NL__2PRFIN20110527_223111_000000463103_00030_48320_5603.N1	27-MAY-2011 22:31:11	Dark	46.000	31	Alp Gru	1.7340	15200.	92	48320	No
9	GOM_NL__2PRFIN20110527_223620_000000423103_00030_48320_5604.N1	27-MAY-2011 22:36:20	Dark	42.000	45	Alp Pav	1.9400	26000.	84	48320	No
10	GOM_NL__2PRFIN20110527_224358_000000433103_00030_48320_5605.N1	27-MAY-2011 22:43:58	Straylight	42.500	147	Alp Ara	2.8770	26000.	85	48320	No
11	GOM_NL__2PRFIN20110527_224537_000000503103_00030_48320_5606.N1	27-MAY-2011 22:45:37	Straylight	49.500	40	The Sco	1.8590	7100.0	99	48320	No
12	GOM_NL__2PRFIN20110527_224726_000000503103_00030_48320_5607.N1	27-MAY-2011 22:47:26	Twilight	49.500	25	35Lam Sco	1.6200	28000.	99	48320	No
13	GOM_NL__2PRFIN20110527_224918_000000483103_00030_48320_5608.N1	27-MAY-2011 22:49:18	Twilight	47.500	75	26Eps Sco	2.2910	4250.0	95	48320	No
14	GOM_NL__2PRFIN20110527_225123_000000423103_00030_48320_5609.N1	27-MAY-2011 22:51:23	Twilight	41.500	136	23Tau Sco	2.8220	30000.	83	48320	No
15	GOM_NL__2PRFIN20110527_225331_000000433103_00030_48320_5610.N1	27-MAY-2011 22:53:31	Bright	42.500	80	7Del Sco	2.3160	30000.	85	48320	No
16	GOM_NL__2PRFIN20110527_225507_000000493103_00030_48320_5611.N1	27-MAY-2011 22:55:07	Bright	49.000	86	35Eta Oph	2.4300	10200.	98	48320	No
17	GOM_NL__2PRFIN20110527_225702_000000453103_00030_48320_5612.N1	27-MAY-2011 22:57:02	Bright	44.500	98	13Zet Oph	2.5710	30000.	89	48320	No
18	GOM_NL__2PRFIN20110527_225916_000000423103_00030_48320_5613.N1	27-MAY-2011 22:59:16	Bright	41.500	120	1Del Oph	2.7340	3200.0	83	48320	No
19	GOM_NL__2PRFIN20110527_230217_000000383103_00030_48320_5614.N1	27-MAY-2011 23:02:17	Bright	37.500	102	24Alp Ser	2.6000	4250.0	75	48320	No
20	GOM_NL__2PRFIN20110527_230815_000000393103_00030_48320_5615.N1	27-MAY-2011 23:08:15	Bright	38.500	67	5Alp CrB	2.2210	11000.	77	48320	No
21	GOM_NL__2PRFIN20110527_231112_000000633103_00030_48320_5616.N1	27-MAY-2011 23:11:12	Bright	62.500	133	40Zet Her	2.8070	6000.0	125	48320	No
22	GOM_NL__2PRFIN20110527_231856_000000413103_00030_48320_5617.N1	27-MAY-2011 23:18:56	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	48320	No
23	GOM_NL__2PRFIN20110527_232929_000000463103_00030_48320_5618.N1	27-MAY-2011 23:29:29	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	48320	No
24	GOM_NL__2PRFIN20110527_233406_000000533103_00030_48320_5619.N1	27-MAY-2011 23:34:06	Bright	55.000	76	27Gam Cas	2.3000	30000.	110	48320	No
25	GOM_NL__2PRFIN20110527_234140_000000403103_00030_48320_5620.N1	27-MAY-2011 23:41:40	Bright	39.500	53	43Bet And	2.0480	3300.0	79	48320	No
26	GOM_NL__2PRFIN20110527_234416_000000513103_00030_48320_5621.N1	27-MAY-2011 23:44:16	Twilight	51.000	58	21Alp And	2.0730	11000.	102	48320	No
27	GOM_NL__2PRFIN20110527_234858_000000493103_00030_48320_5622.N1	27-MAY-2011 23:48:58	Dark	49.000	140	88Gam Peg	2.8340	26000.	98	48320	No
28	GOM_NL__2PRFIN20110527_235752_000000483103_00030_48320_5623.N1	27-MAY-2011 23:57:52	Dark	48.000	52	16Bet Cet	2.0370	4500.0	96	48320	No

3. Quality information per product

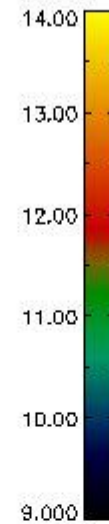
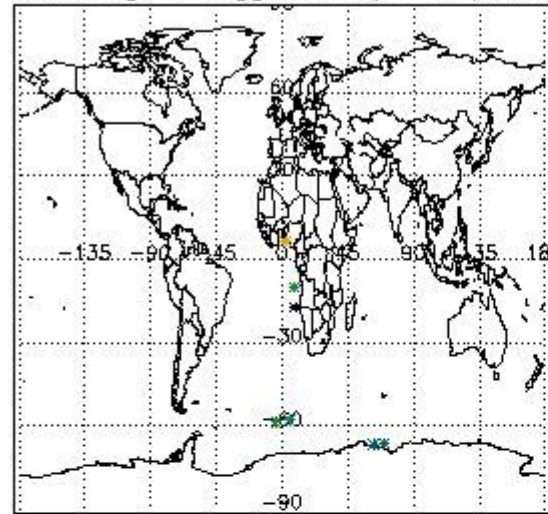
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

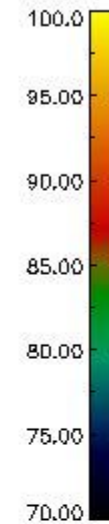
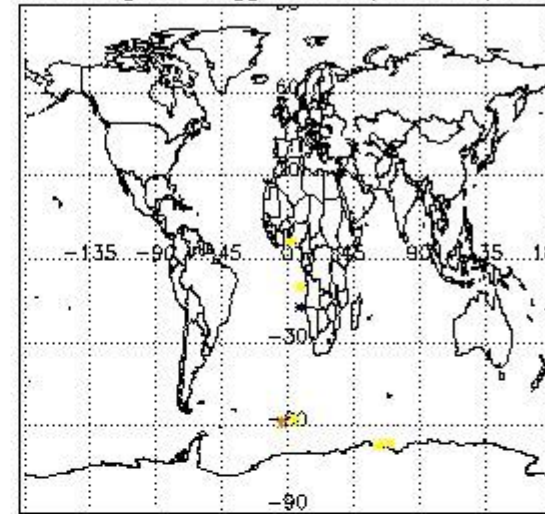


3.2 Plot quality information per product (world map)

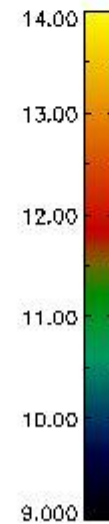
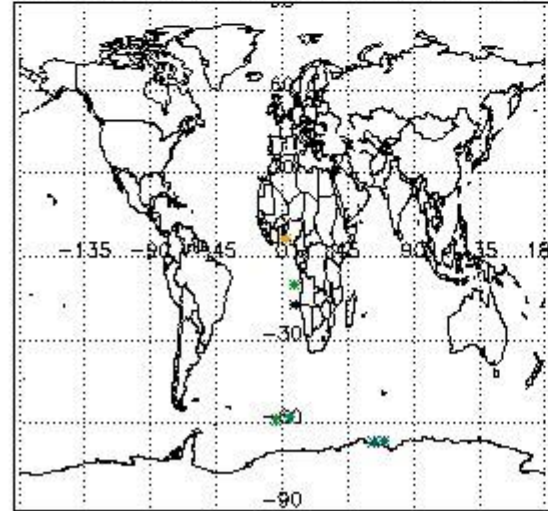
Percentage of flagged data per O3 profile



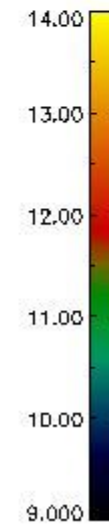
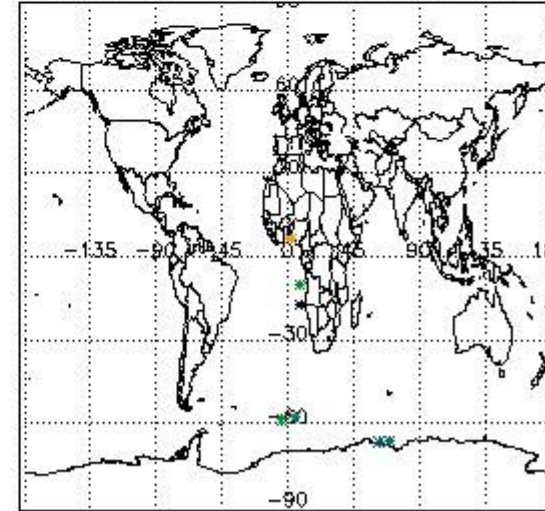
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

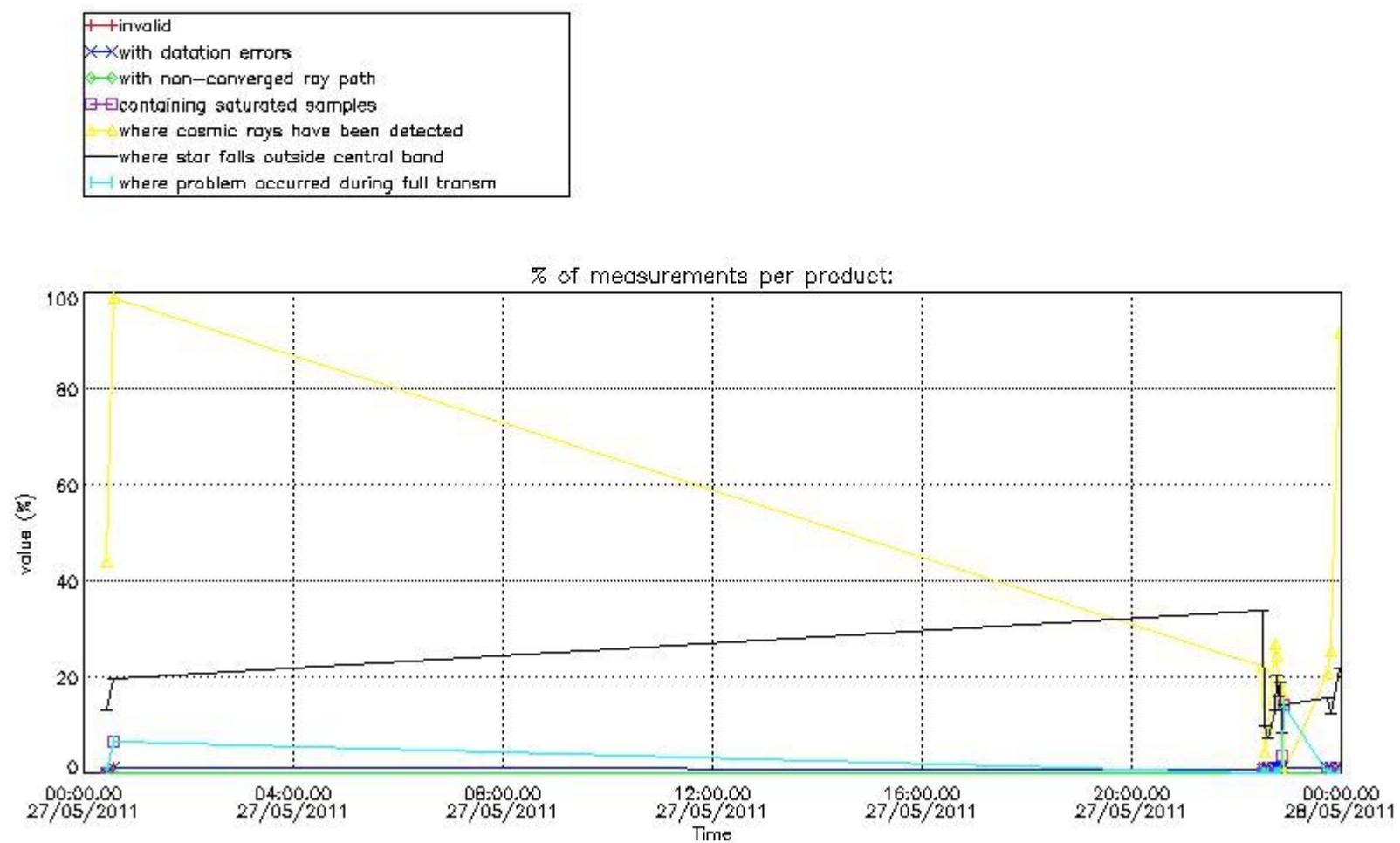


4. Level 1 quality information per product

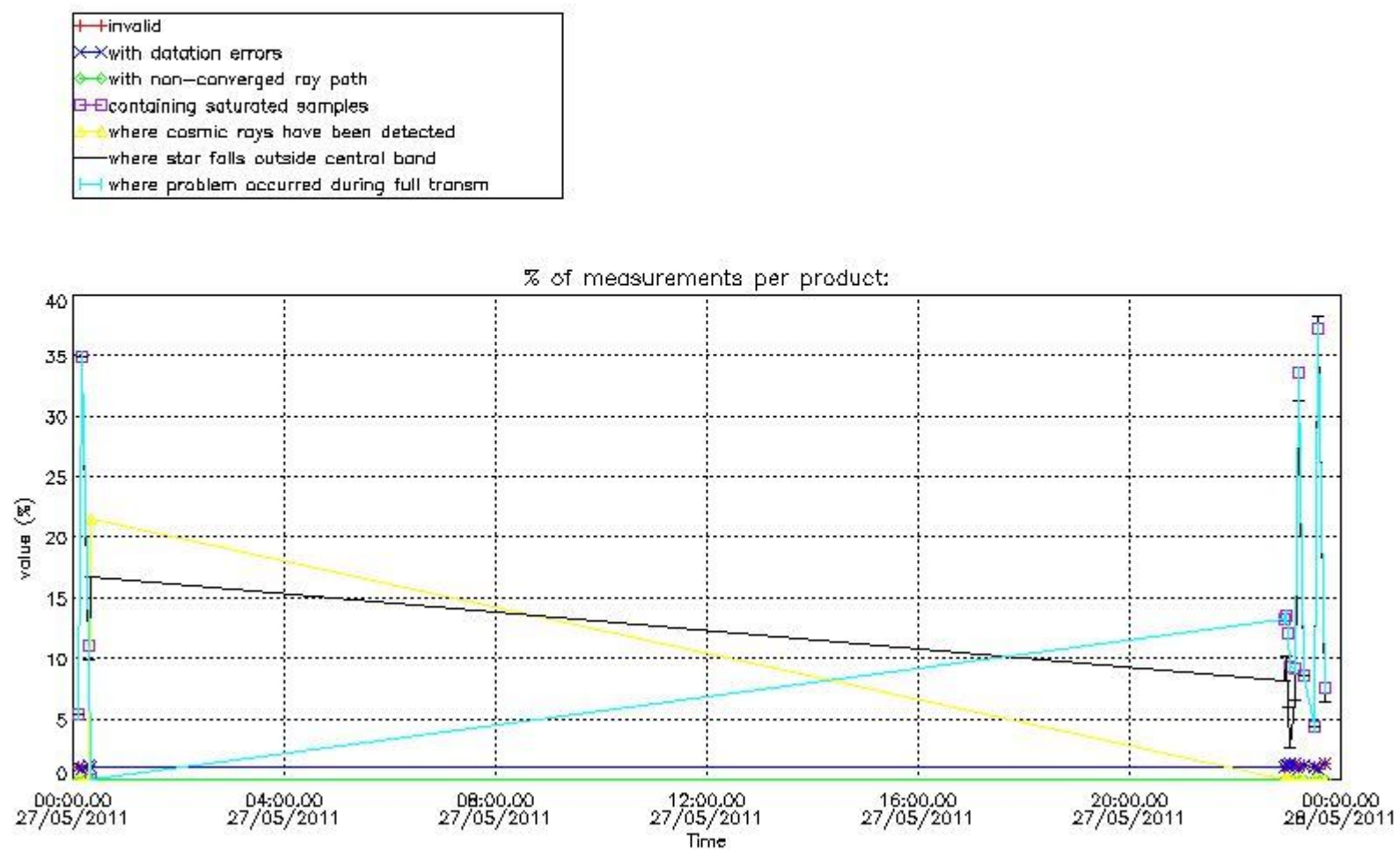
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



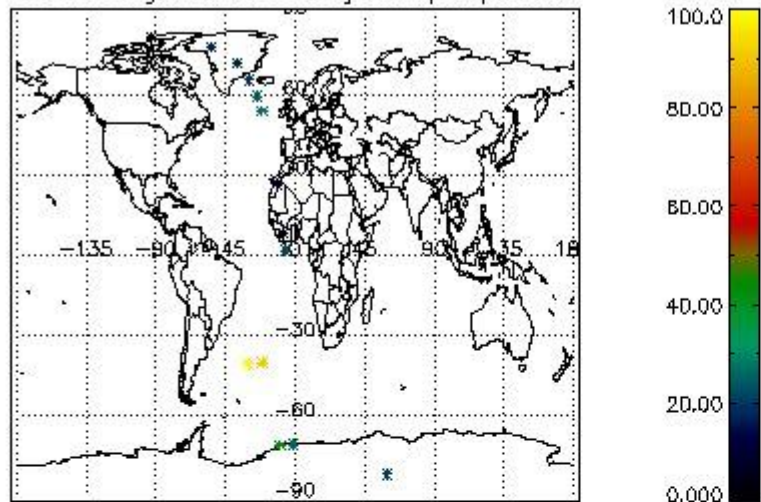
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



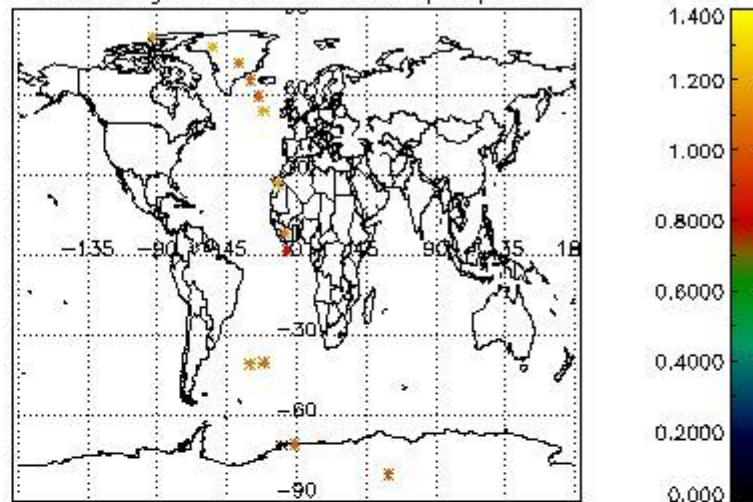
4.2 Plot quality information per product coming from level 1b processing (world map)

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

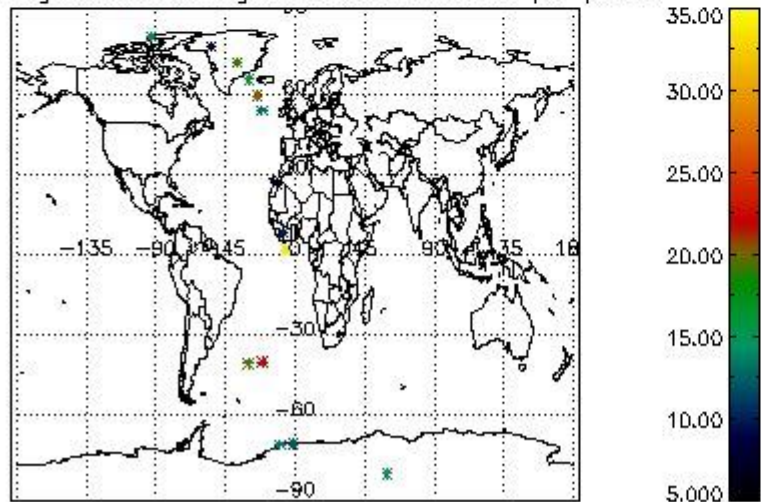
Percentage of cosmic ray hits per profile



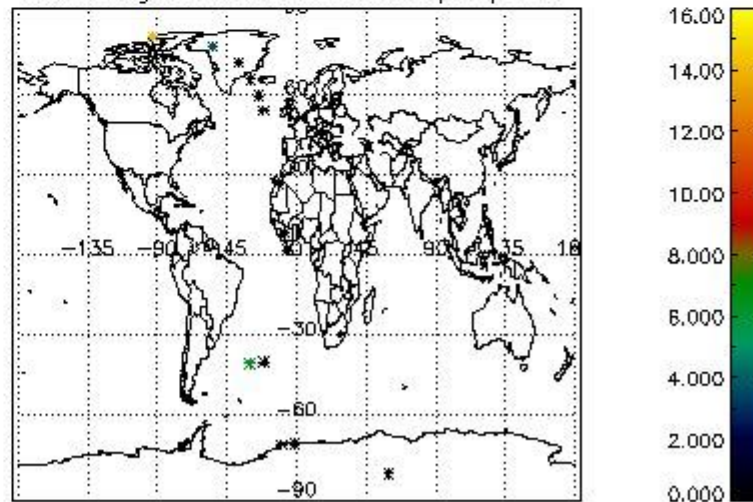
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

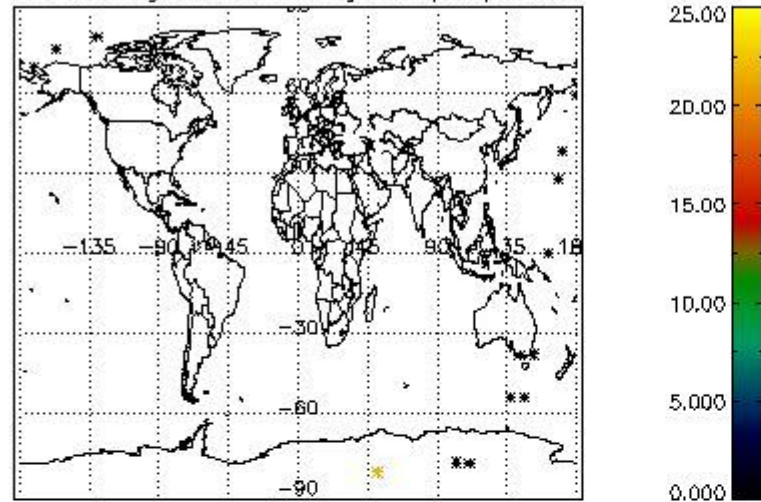


Percentage of saturation errors per profile

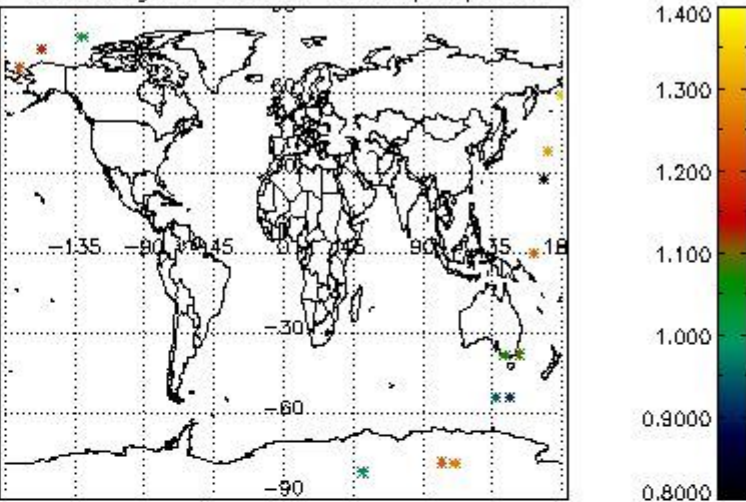


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

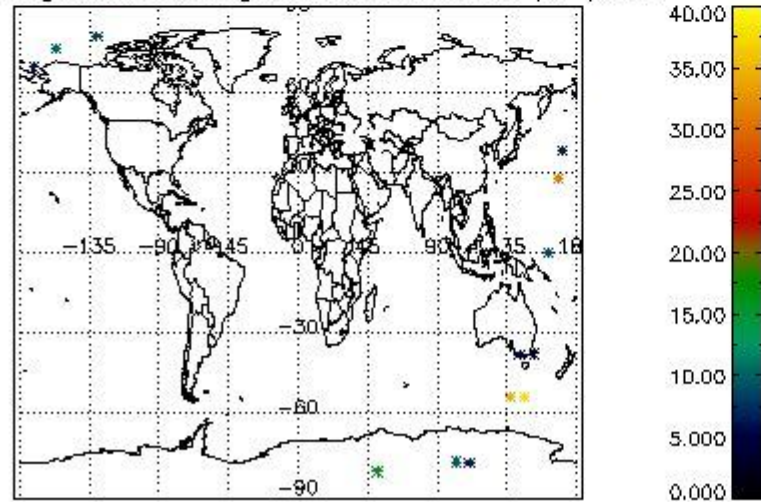
Percentage of cosmic ray hits per profile



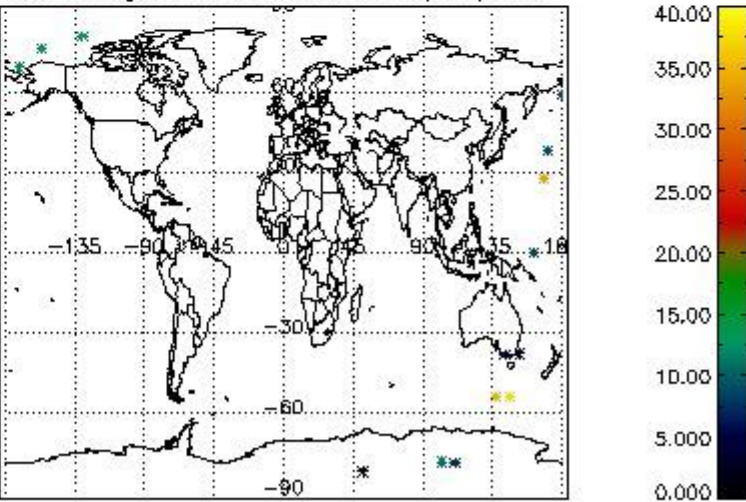
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

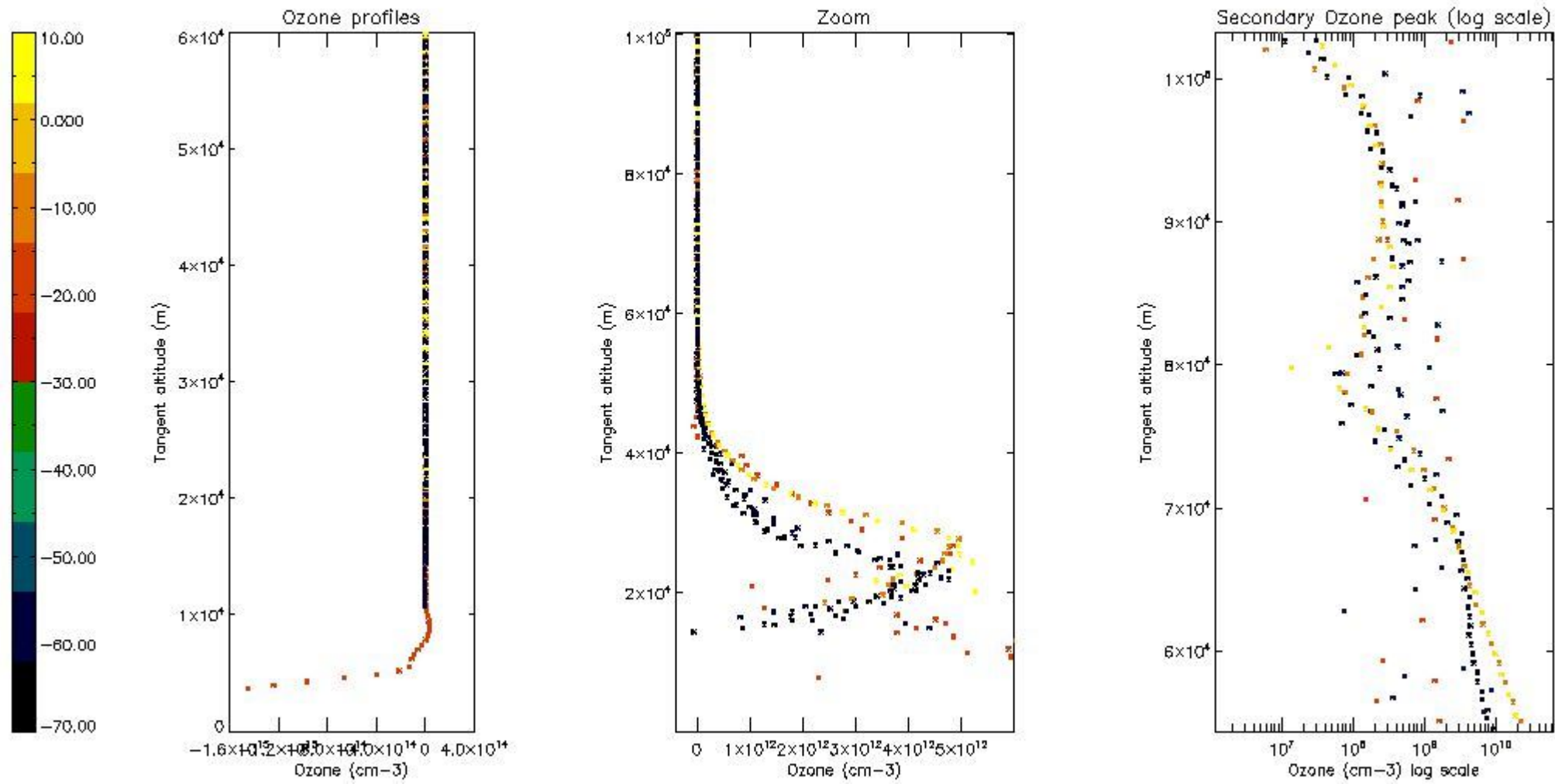
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	27
STD < 20	13

STD < 10	9
STD < 5	6

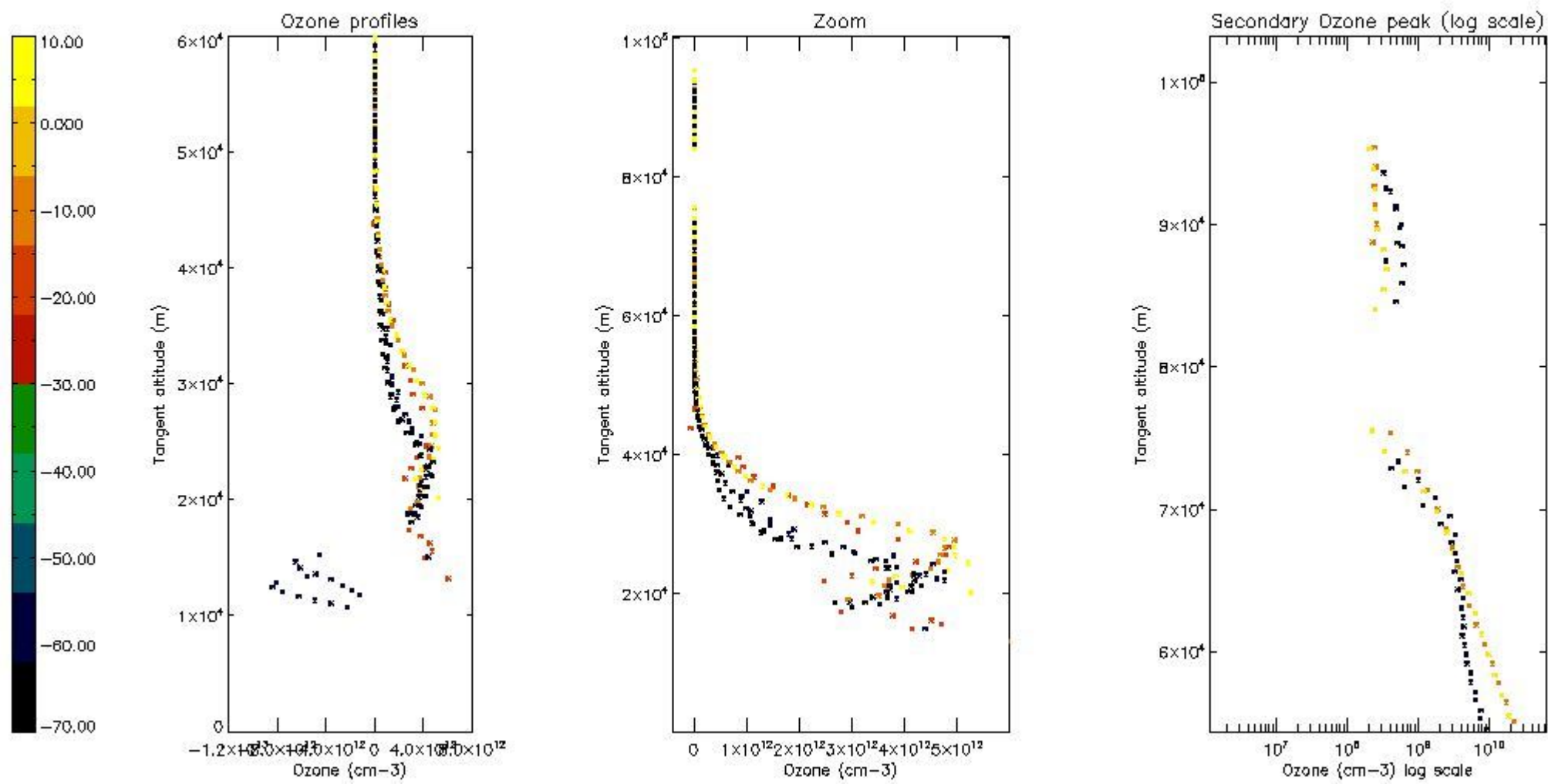
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



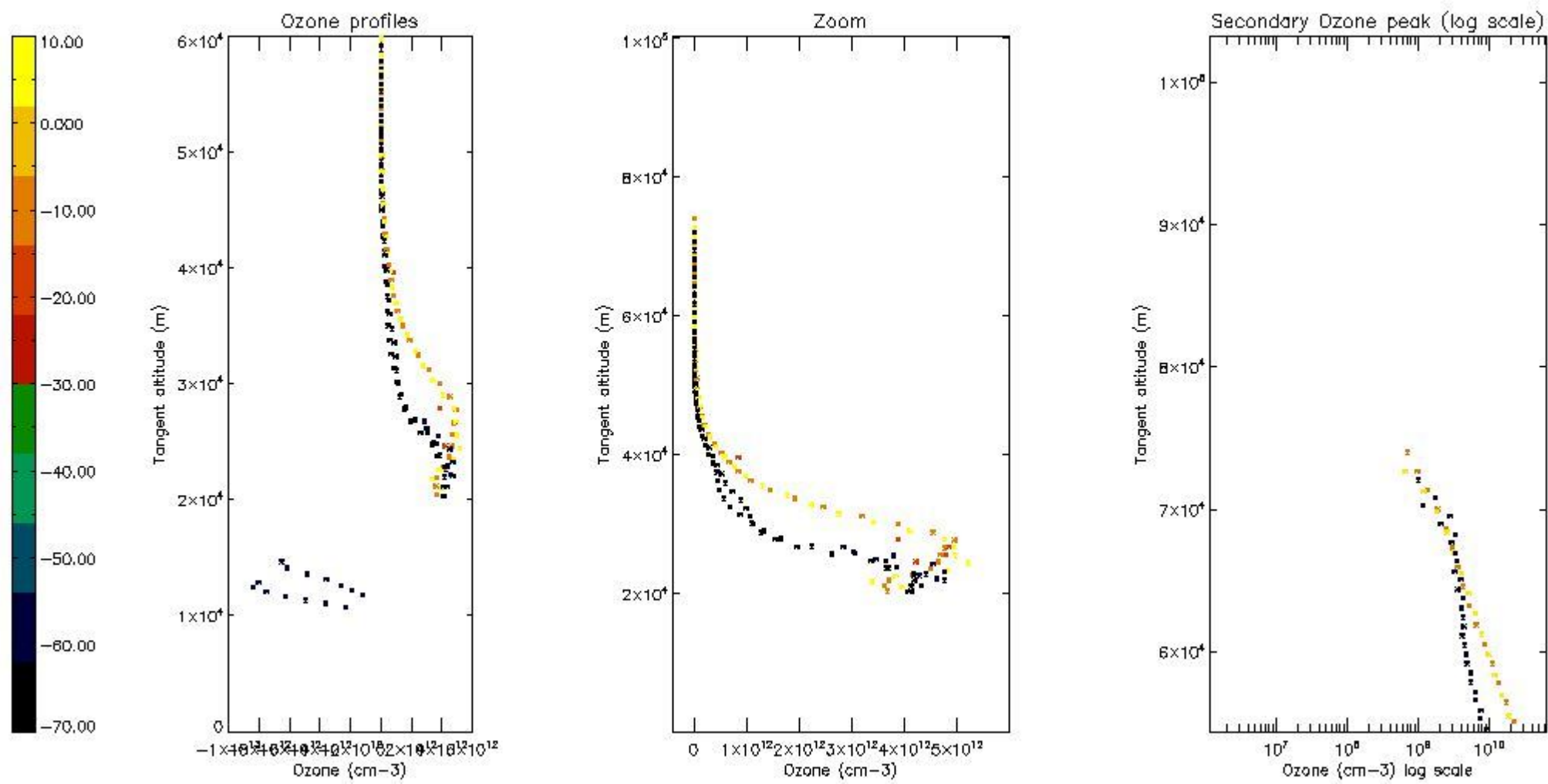
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



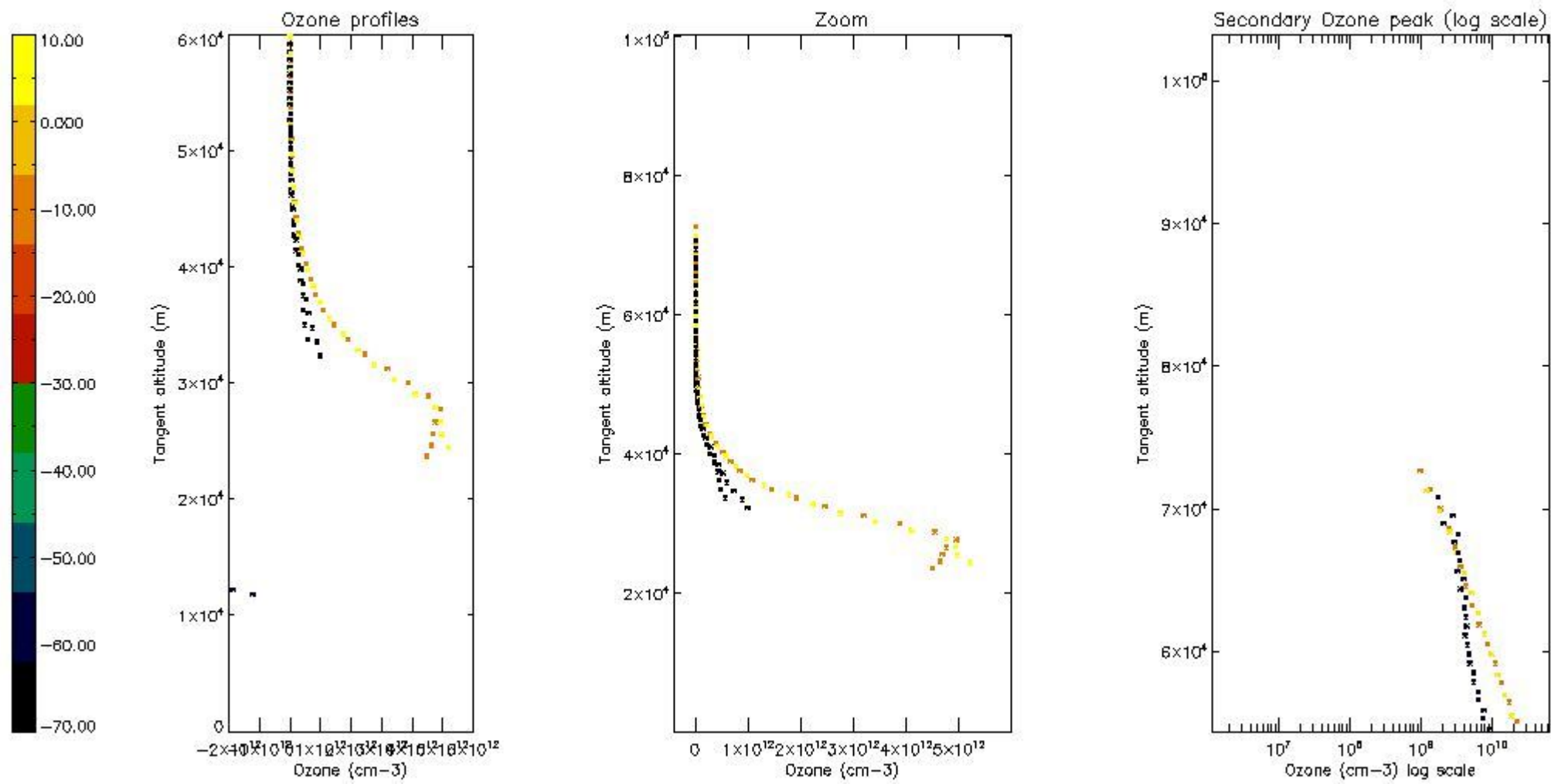
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



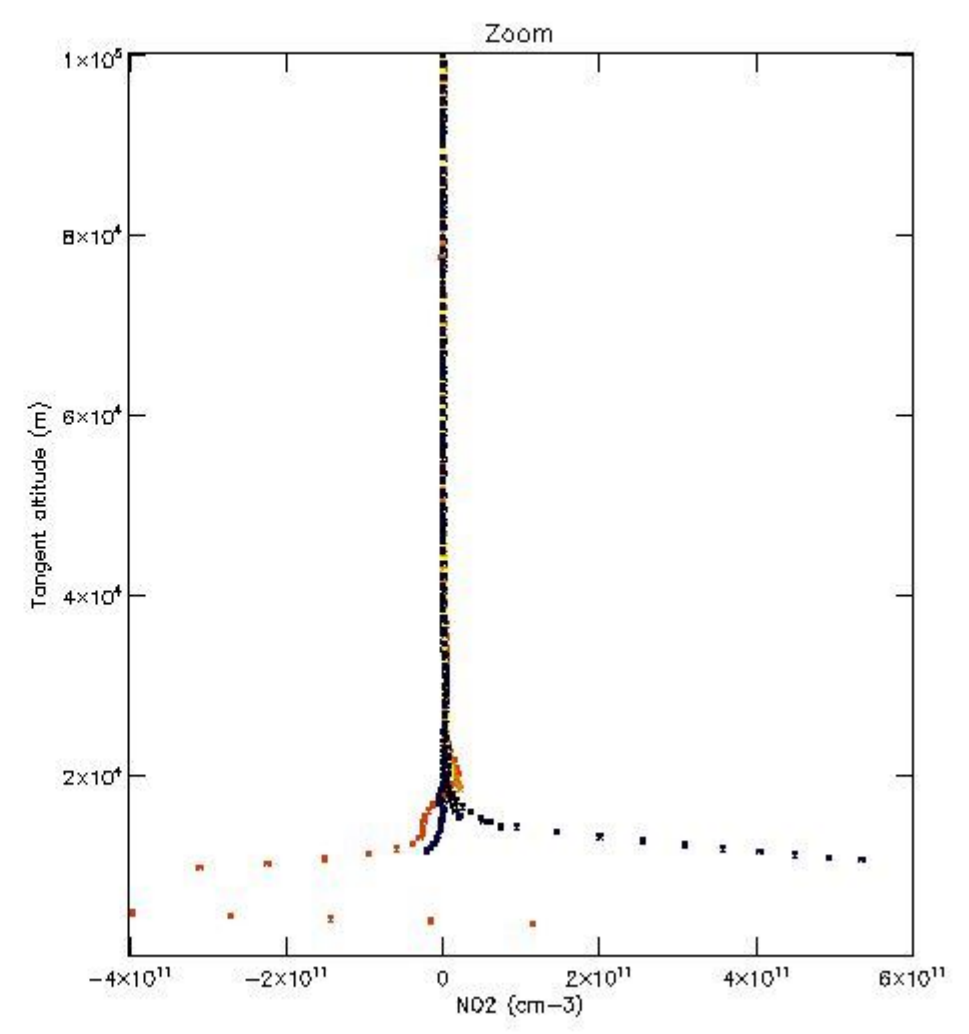
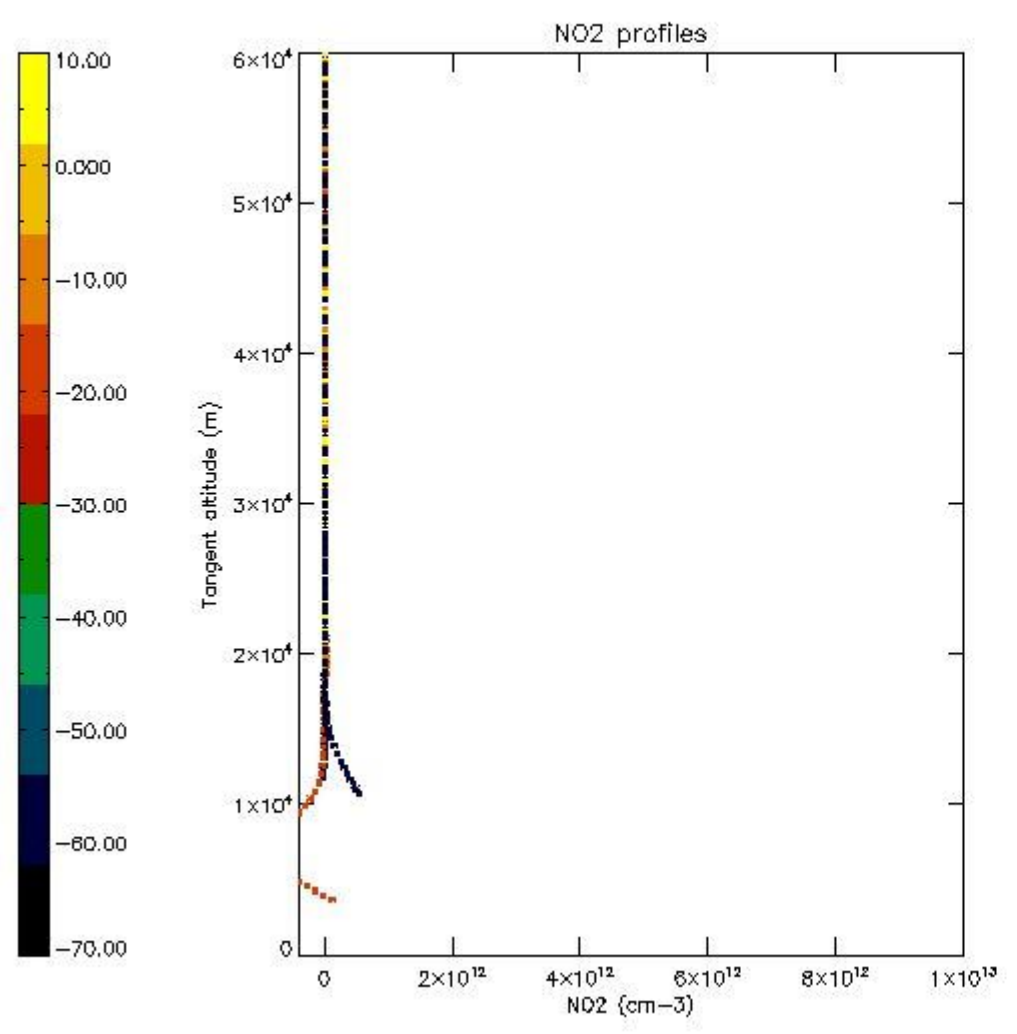
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



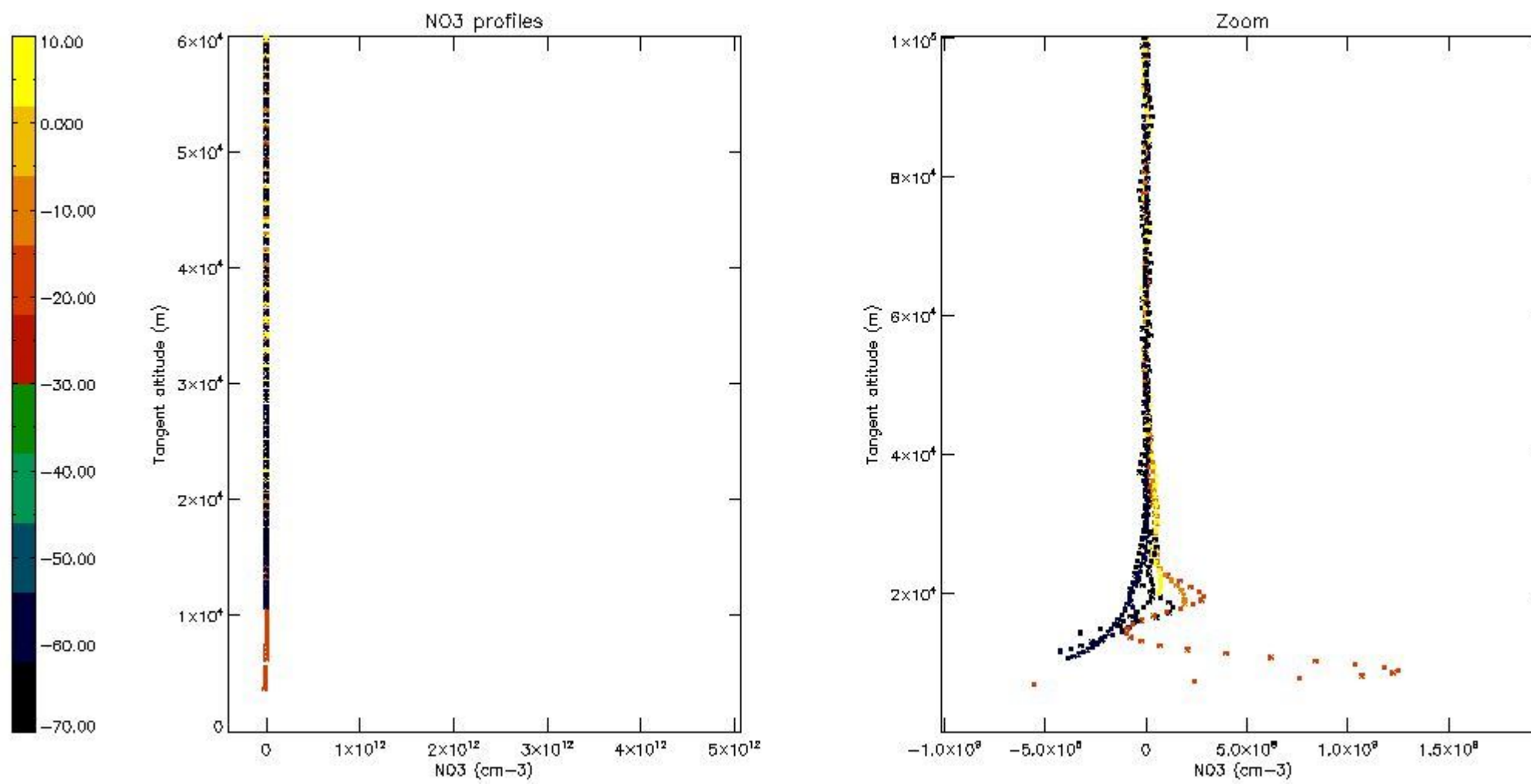
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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	27-MAY-2011 00:06:21
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	27-MAY-2011 00:06:21
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	27-MAY-2011 00:06:21

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	24APR2013 14:04:37
Data source version	GOMOS/6.01
Start time of products	27-05-2011 (27MAY2011 00:00:00)
Stop time of products	28-05-2011 (28MAY2011 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	28
Nb of prods with errors	0

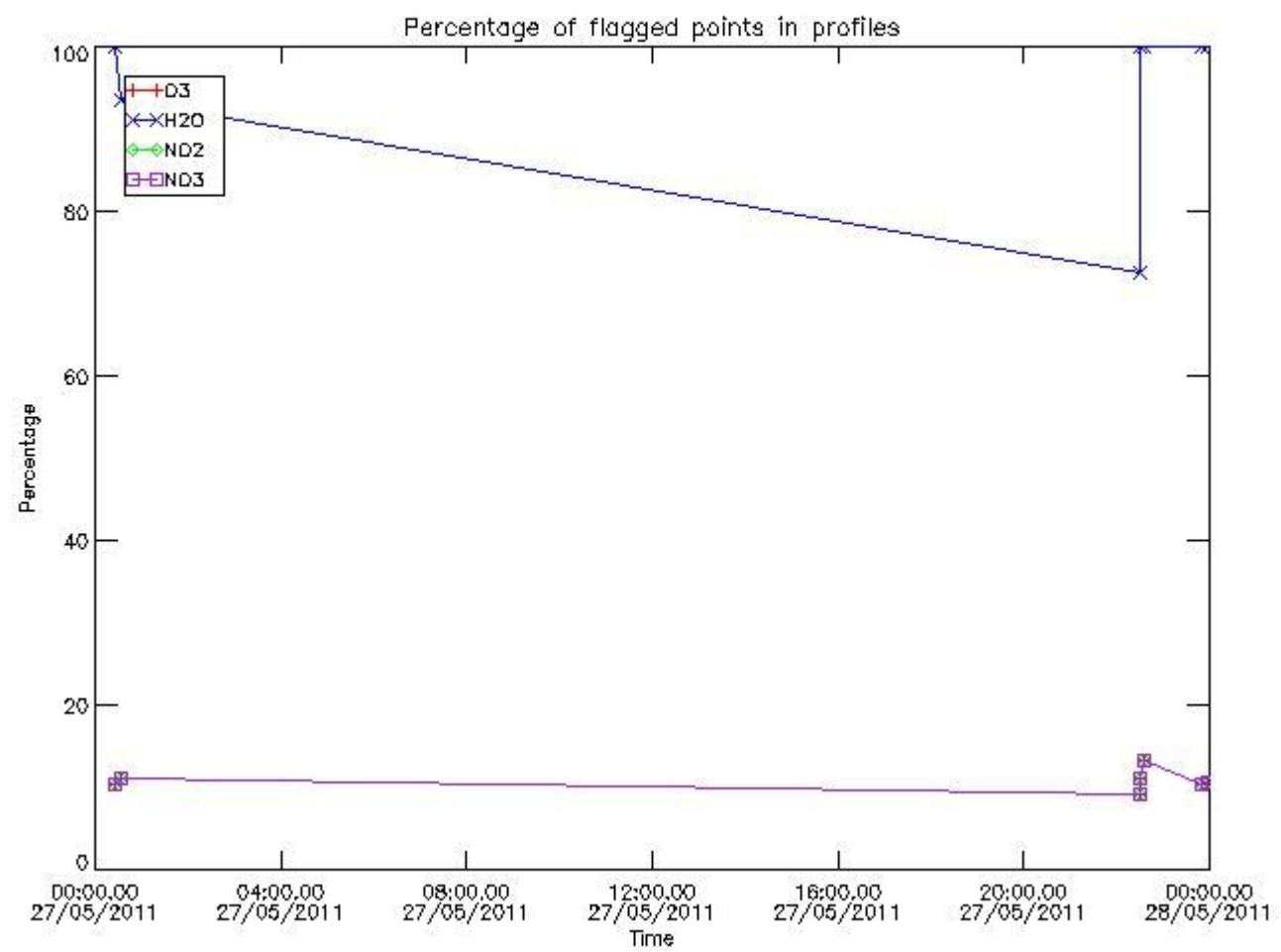
2. Summary of processed GOM_NL__2P products.

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20110527_000621_000000473103_00016_48306_4962.N1	27-MAY-2011 00:06:21	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	48306	No
2	GOM_NL__2PRFIN20110527_001051_000000533103_00016_48306_4963.N1	27-MAY-2011 00:10:51	Bright	53.000	76	27Gam Cas	2.3000	30000.	106	48306	No
3	GOM_NL__2PRFIN20110527_001823_000000413103_00016_48306_4964.N1	27-MAY-2011 00:18:23	Bright	40.500	53	43Bet And	2.0480	3300.0	81	48306	No
4	GOM_NL__2PRFIN20110527_002058_000000513103_00016_48306_4965.N1	27-MAY-2011 00:20:58	Twilight	51.000	58	21Alp And	2.0730	11000.	102	48306	No
5	GOM_NL__2PRFIN20110527_002536_000000493103_00016_48306_4966.N1	27-MAY-2011 00:25:36	Dark	49.000	140	88Gam Peg	2.8340	26000.	98	48306	No
6	GOM_NL__2PRFIN20110527_003429_000000463103_00016_48306_4967.N1	27-MAY-2011 00:34:29	Dark	46.000	52	16Bet Cet	2.0370	4500.0	92	48306	No
7	GOM_NL__2PRFIN20110527_222923_000000613103_00030_48320_5602.N1	27-MAY-2011 22:29:23	Dark	60.500	63	Bet Gru	2.1500	2800.0	121	48320	No
8	GOM_NL__2PRFIN20110527_223111_000000463103_00030_48320_5603.N1	27-MAY-2011 22:31:11	Dark	46.000	31	Alp Gru	1.7340	15200.	92	48320	No
9	GOM_NL__2PRFIN20110527_223620_000000423103_00030_48320_5604.N1	27-MAY-2011 22:36:20	Dark	42.000	45	Alp Pav	1.9400	26000.	84	48320	No
10	GOM_NL__2PRFIN20110527_224358_000000433103_00030_48320_5605.N1	27-MAY-2011 22:43:58	Straylight	42.500	147	Alp Ara	2.8770	26000.	85	48320	No
11	GOM_NL__2PRFIN20110527_224537_000000503103_00030_48320_5606.N1	27-MAY-2011 22:45:37	Straylight	49.500	40	The Sco	1.8590	7100.0	99	48320	No
12	GOM_NL__2PRFIN20110527_224726_000000503103_00030_48320_5607.N1	27-MAY-2011 22:47:26	Twilight	49.500	25	35Lam Sco	1.6200	28000.	99	48320	No
13	GOM_NL__2PRFIN20110527_224918_000000483103_00030_48320_5608.N1	27-MAY-2011 22:49:18	Twilight	47.500	75	26Eps Sco	2.2910	4250.0	95	48320	No
14	GOM_NL__2PRFIN20110527_225123_000000423103_00030_48320_5609.N1	27-MAY-2011 22:51:23	Twilight	41.500	136	23Tau Sco	2.8220	30000.	83	48320	No
15	GOM_NL__2PRFIN20110527_225331_000000433103_00030_48320_5610.N1	27-MAY-2011 22:53:31	Bright	42.500	80	7Del Sco	2.3160	30000.	85	48320	No
16	GOM_NL__2PRFIN20110527_225507_000000493103_00030_48320_5611.N1	27-MAY-2011 22:55:07	Bright	49.000	86	35Eta Oph	2.4300	10200.	98	48320	No
17	GOM_NL__2PRFIN20110527_225702_000000453103_00030_48320_5612.N1	27-MAY-2011 22:57:02	Bright	44.500	98	13Zet Oph	2.5710	30000.	89	48320	No
18	GOM_NL__2PRFIN20110527_225916_000000423103_00030_48320_5613.N1	27-MAY-2011 22:59:16	Bright	41.500	120	1Del Oph	2.7340	3200.0	83	48320	No
19	GOM_NL__2PRFIN20110527_230217_000000383103_00030_48320_5614.N1	27-MAY-2011 23:02:17	Bright	37.500	102	24Alp Ser	2.6000	4250.0	75	48320	No
20	GOM_NL__2PRFIN20110527_230815_000000393103_00030_48320_5615.N1	27-MAY-2011 23:08:15	Bright	38.500	67	5Alp CrB	2.2210	11000.	77	48320	No
21	GOM_NL__2PRFIN20110527_231112_000000633103_00030_48320_5616.N1	27-MAY-2011 23:11:12	Bright	62.500	133	40Zet Her	2.8070	6000.0	125	48320	No
22	GOM_NL__2PRFIN20110527_231856_000000413103_00030_48320_5617.N1	27-MAY-2011 23:18:56	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	48320	No
23	GOM_NL__2PRFIN20110527_232929_000000463103_00030_48320_5618.N1	27-MAY-2011 23:29:29	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	48320	No
24	GOM_NL__2PRFIN20110527_233406_000000533103_00030_48320_5619.N1	27-MAY-2011 23:34:06	Bright	55.000	76	27Gam Cas	2.3000	30000.	110	48320	No
25	GOM_NL__2PRFIN20110527_234140_000000403103_00030_48320_5620.N1	27-MAY-2011 23:41:40	Bright	39.500	53	43Bet And	2.0480	3300.0	79	48320	No
26	GOM_NL__2PRFIN20110527_234416_000000513103_00030_48320_5621.N1	27-MAY-2011 23:44:16	Twilight	51.000	58	21Alp And	2.0730	11000.	102	48320	No
27	GOM_NL__2PRFIN20110527_234858_000000493103_00030_48320_5622.N1	27-MAY-2011 23:48:58	Dark	49.000	140	88Gam Peg	2.8340	26000.	98	48320	No
28	GOM_NL__2PRFIN20110527_235752_000000483103_00030_48320_5623.N1	27-MAY-2011 23:57:52	Dark	48.000	52	16Bet Cet	2.0370	4500.0	96	48320	No

3. Quality information per product

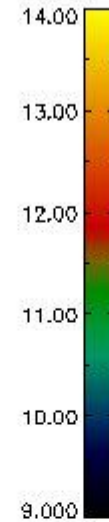
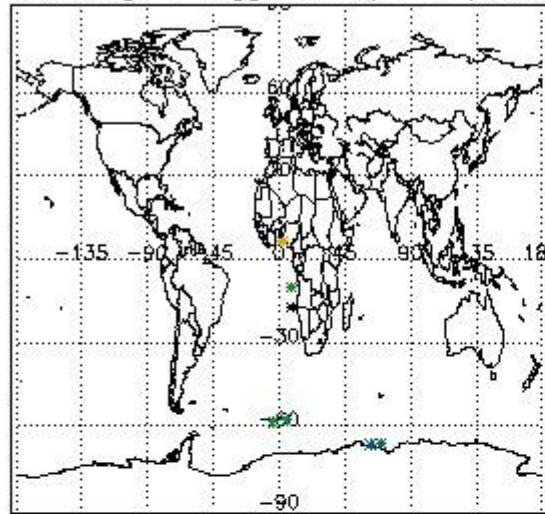
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

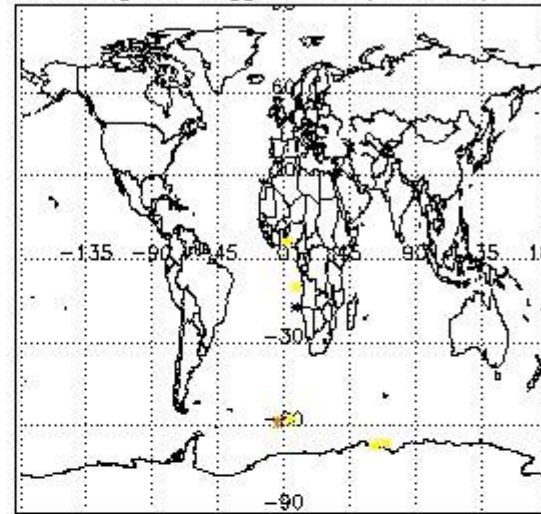


3.2 Plot quality information per product (world map)

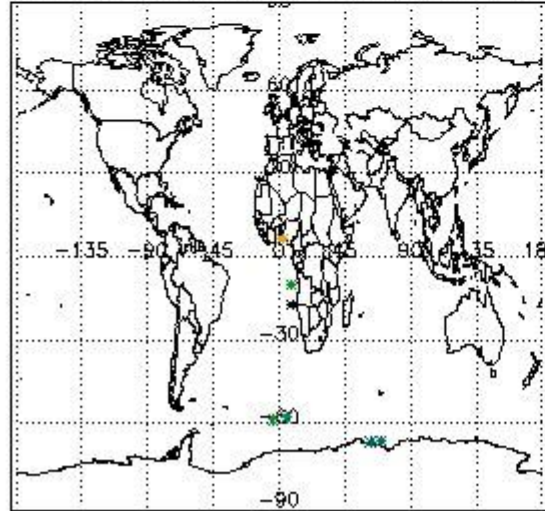
Percentage of flagged data per O3 profile



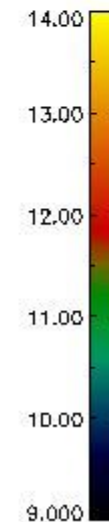
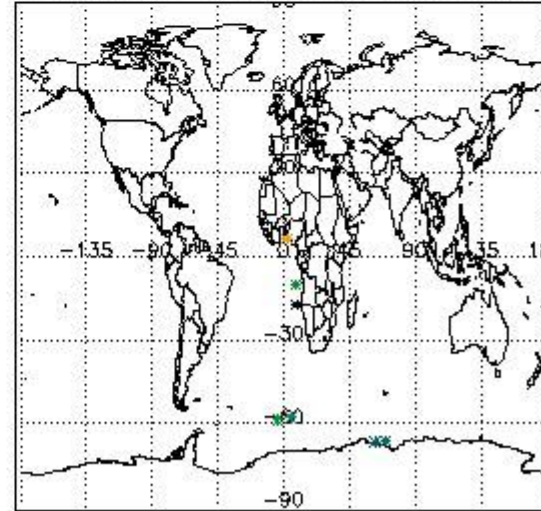
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

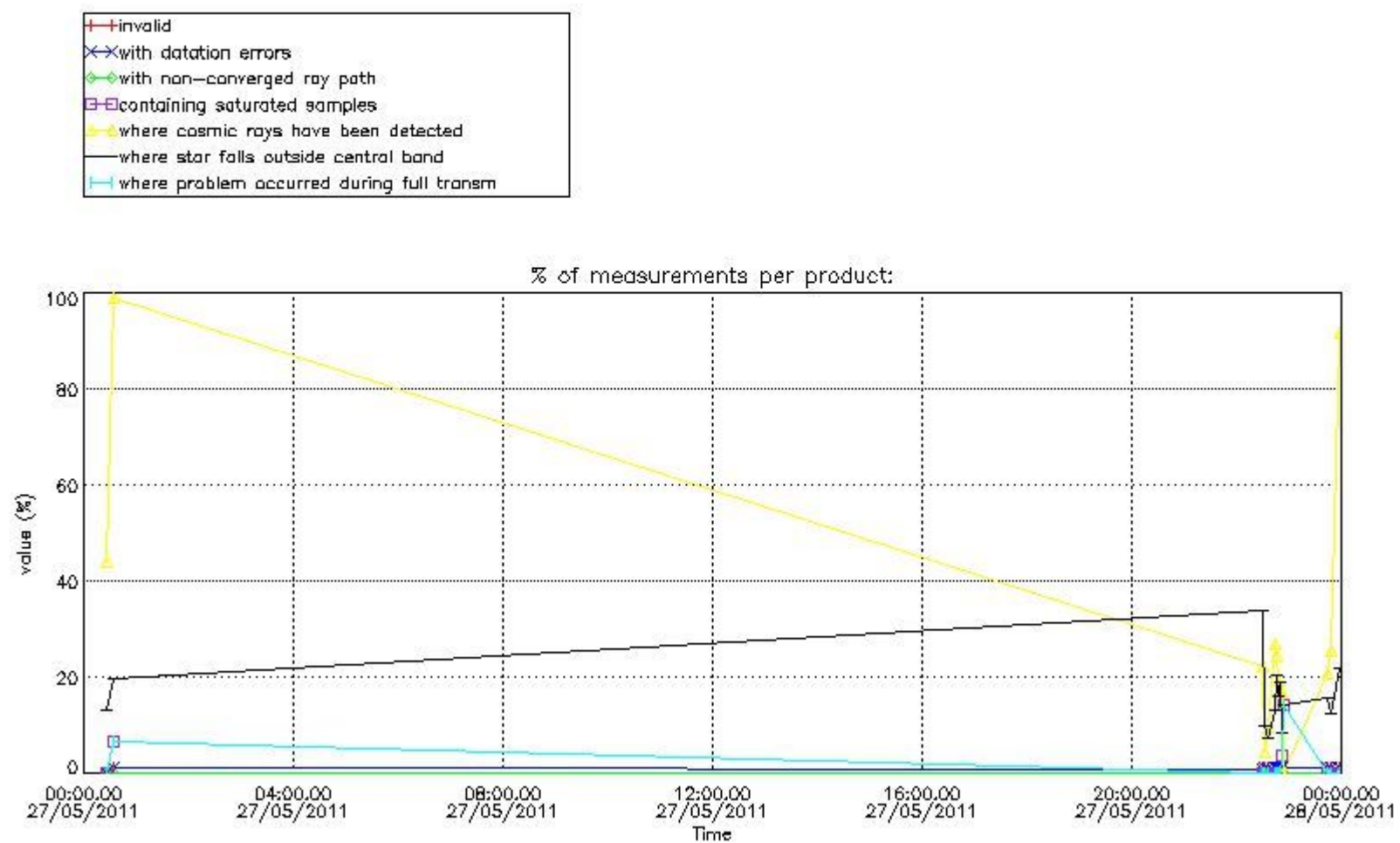


4. Level 1 quality information per product

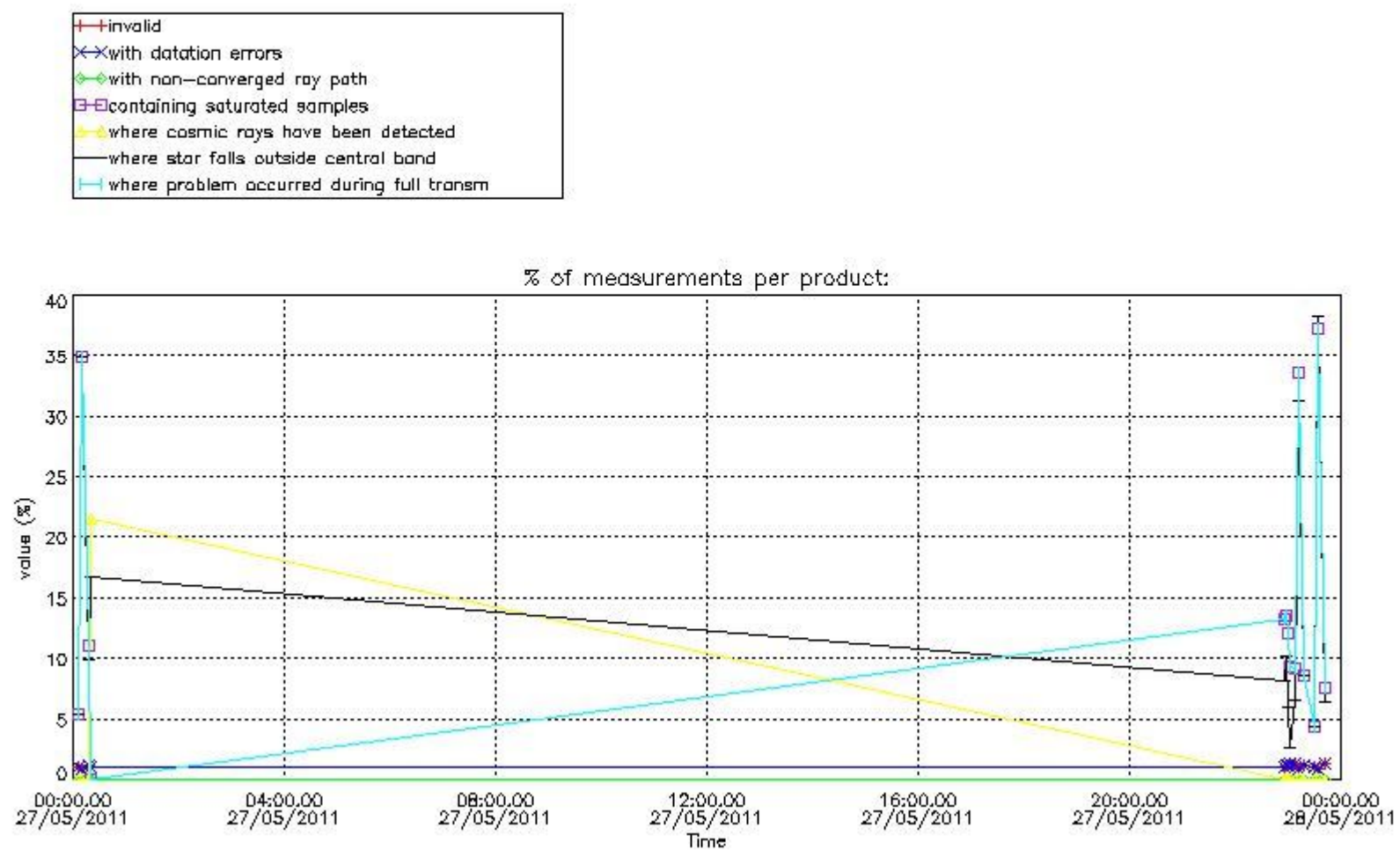
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



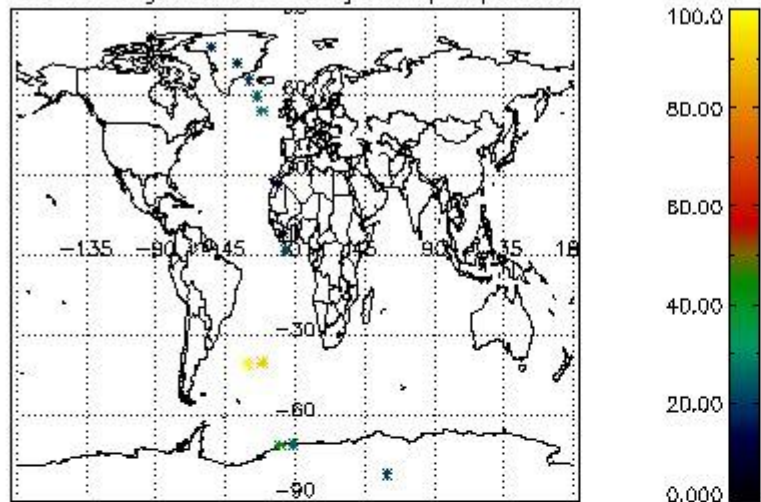
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



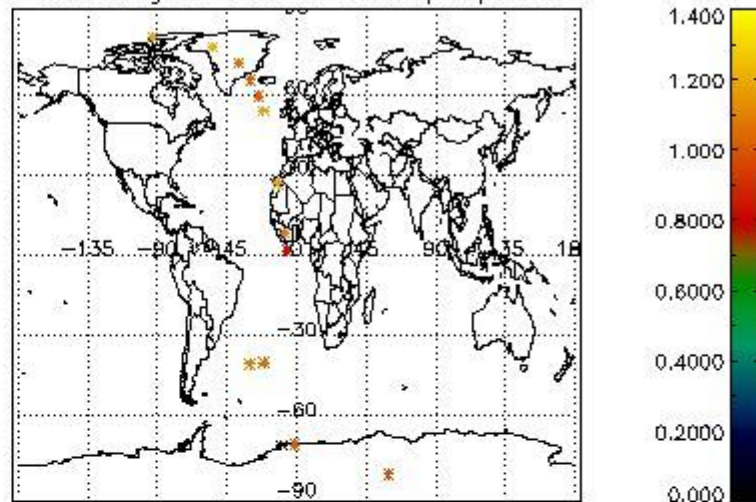
4.2 Plot quality information per product coming from level 1b processing (world map)

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

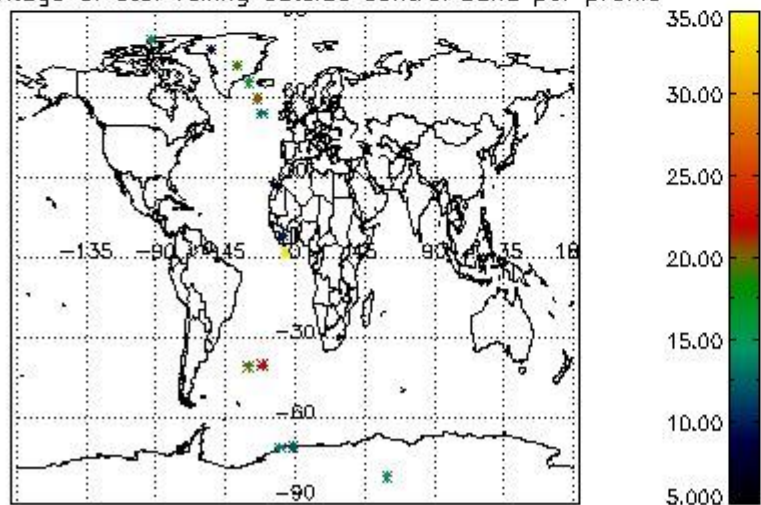
Percentage of cosmic ray hits per profile



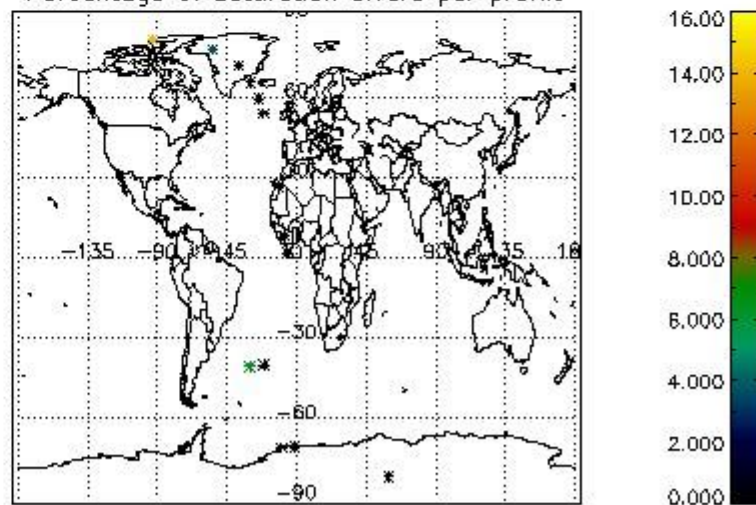
Percentage of datation errors per profile



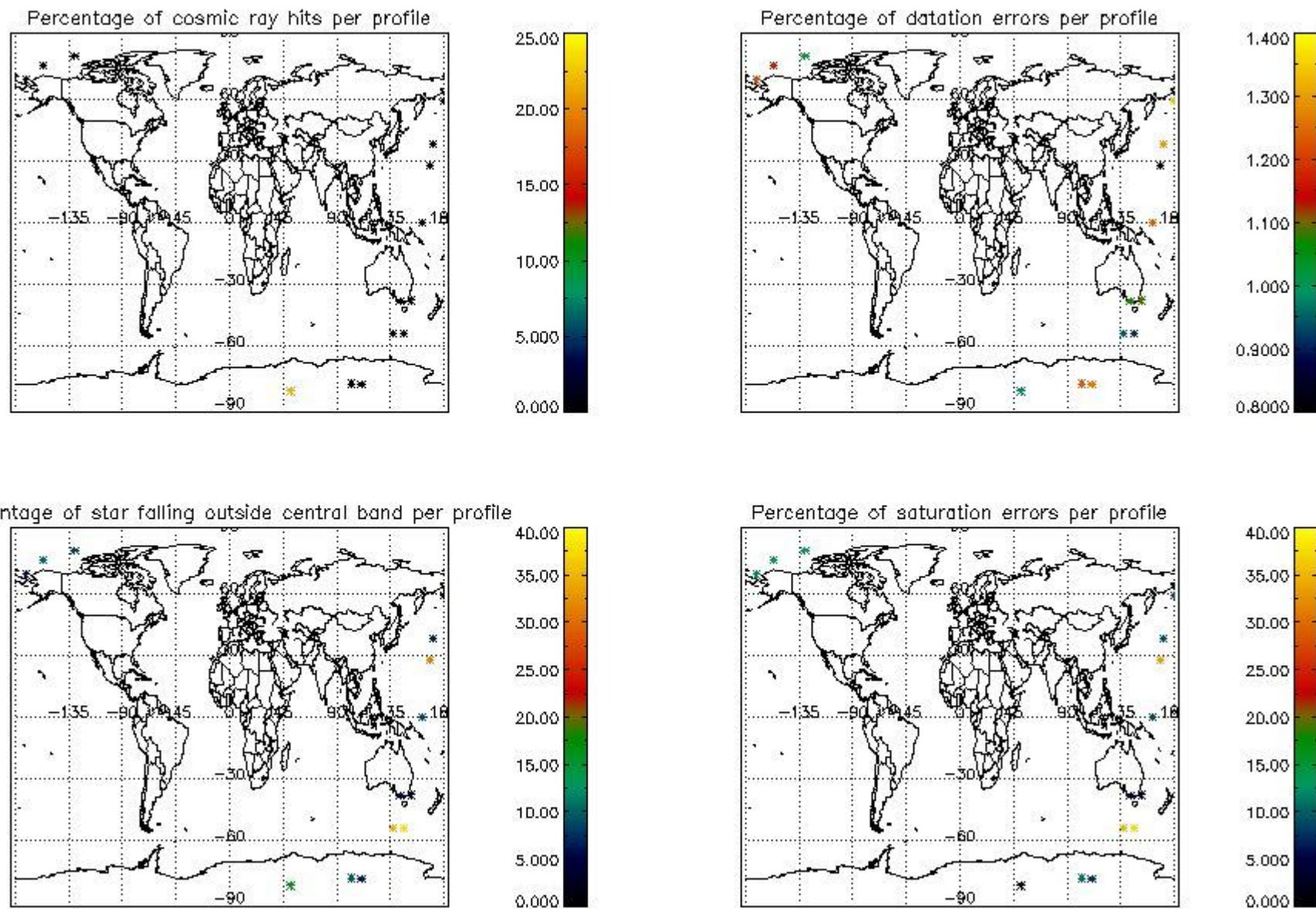
Percentage of star falling outside central band per profile



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

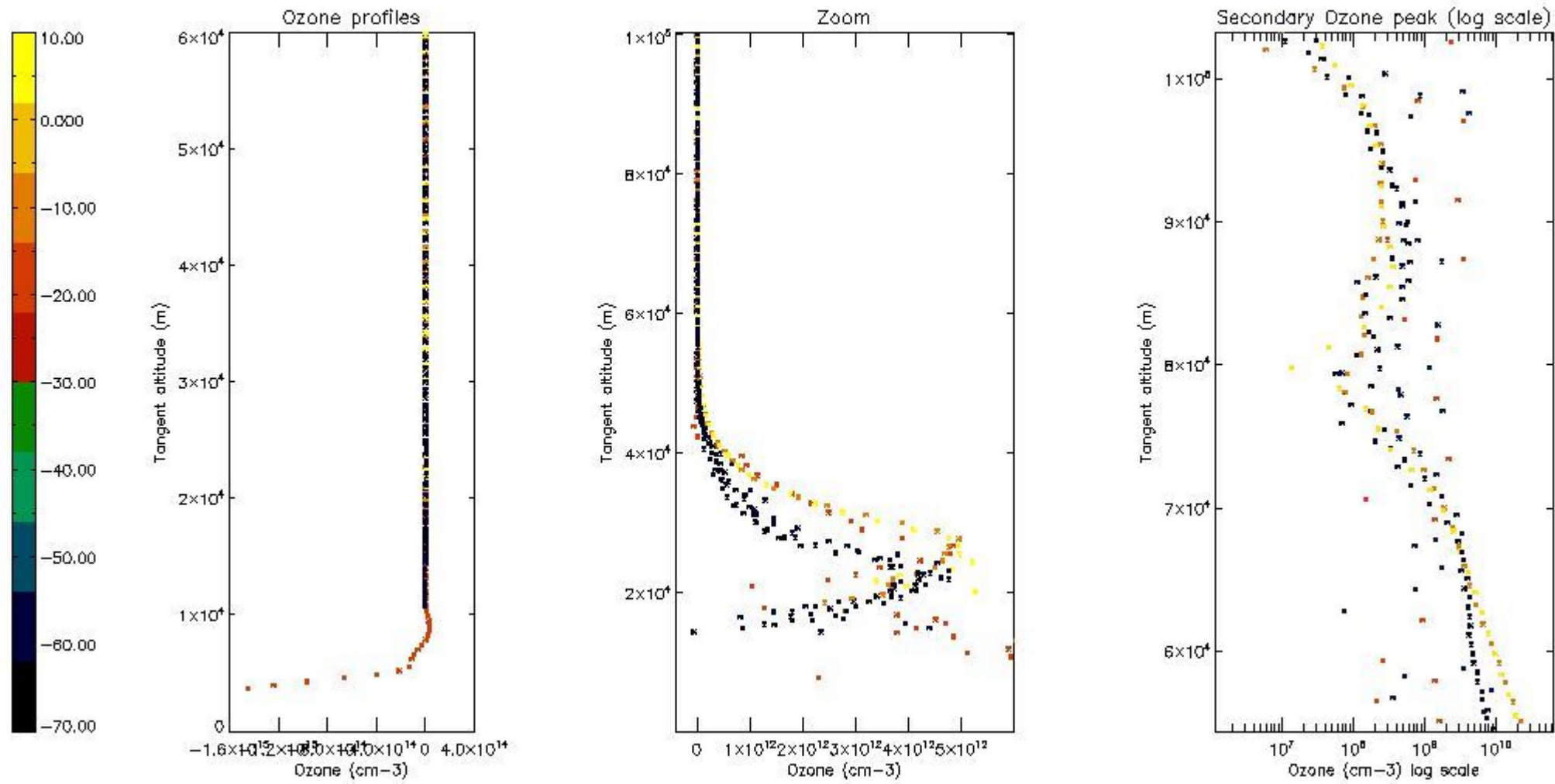
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	27
STD < 20	13

STD < 10	9
STD < 5	6

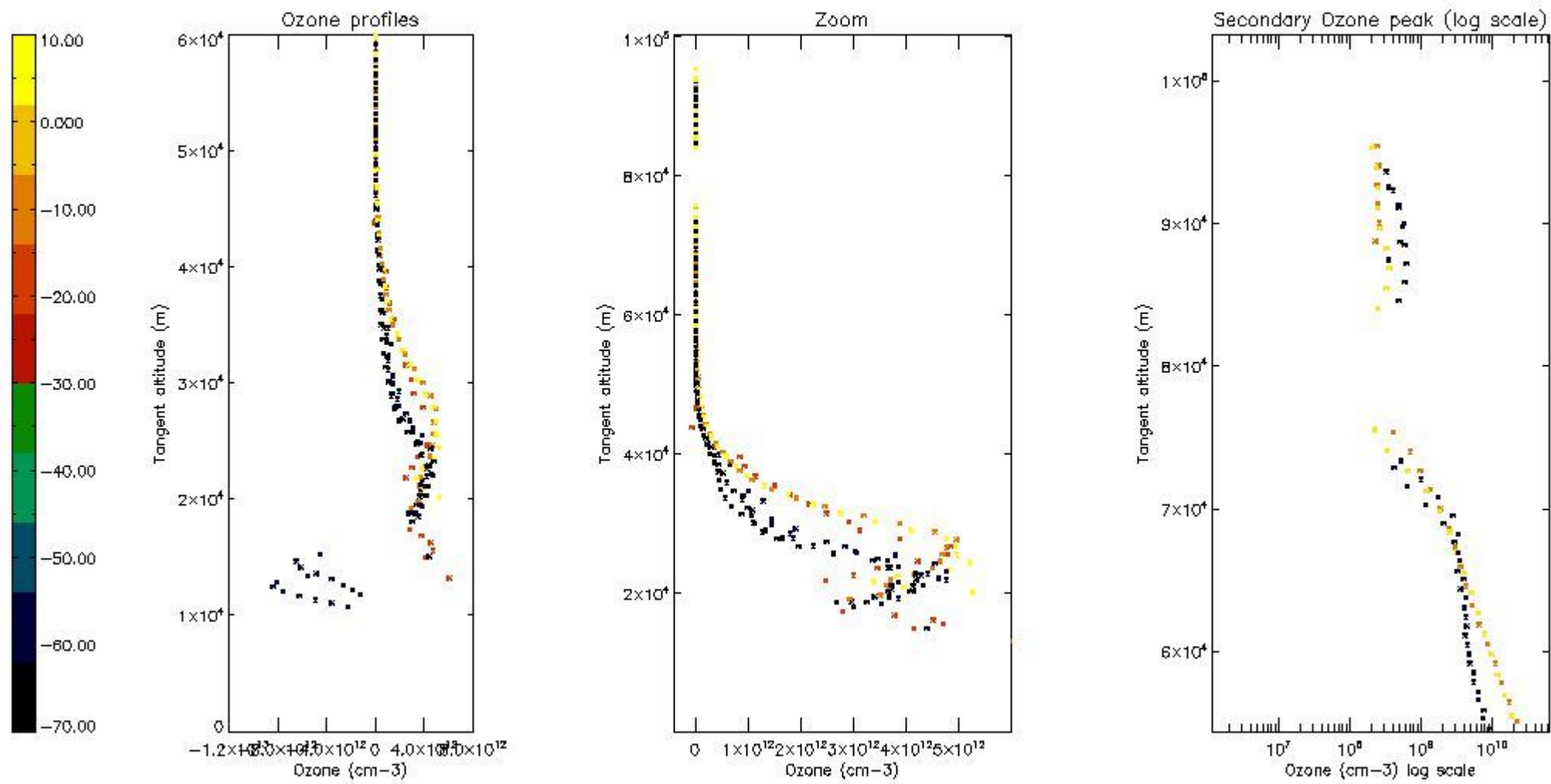
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



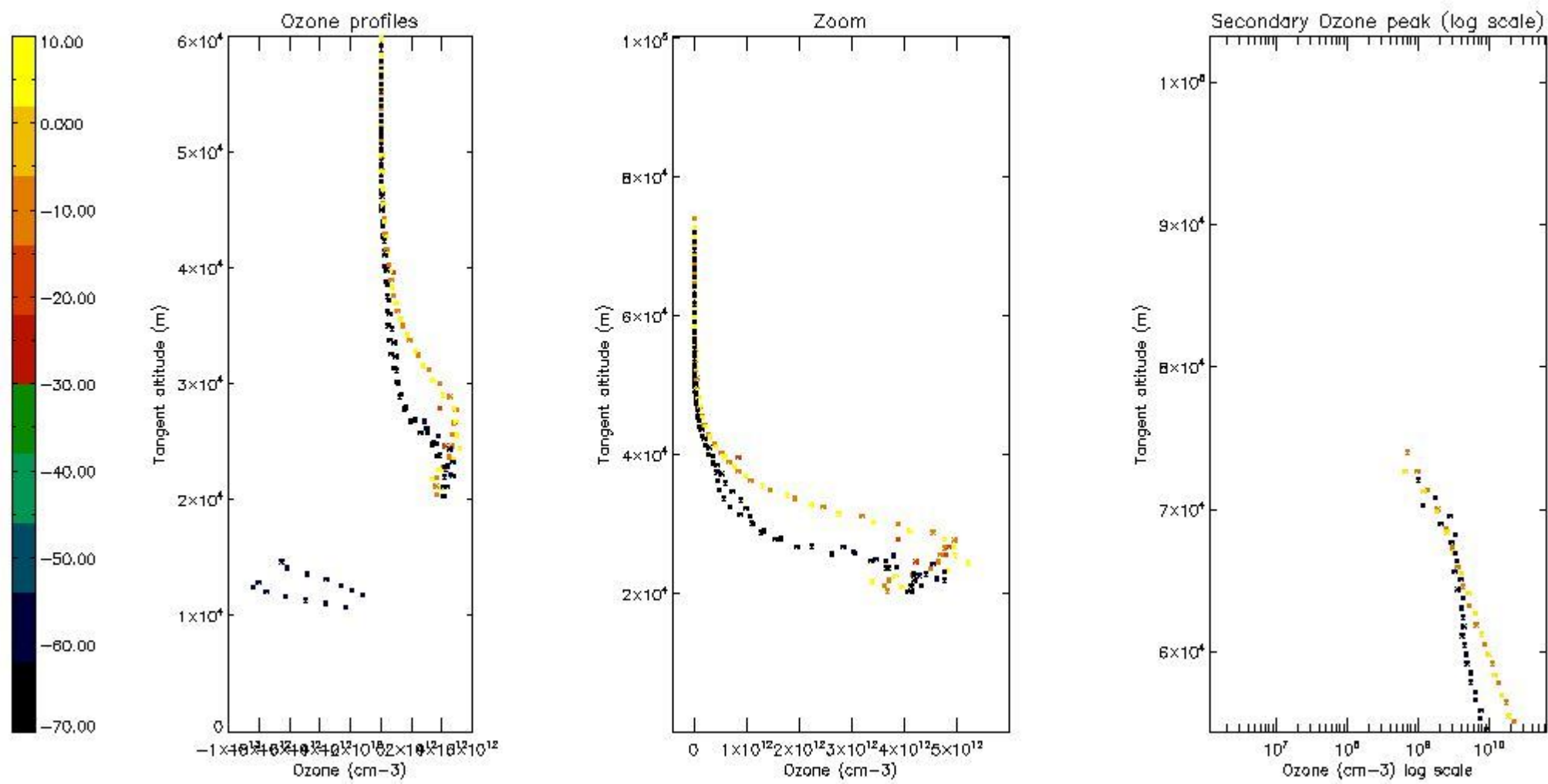
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



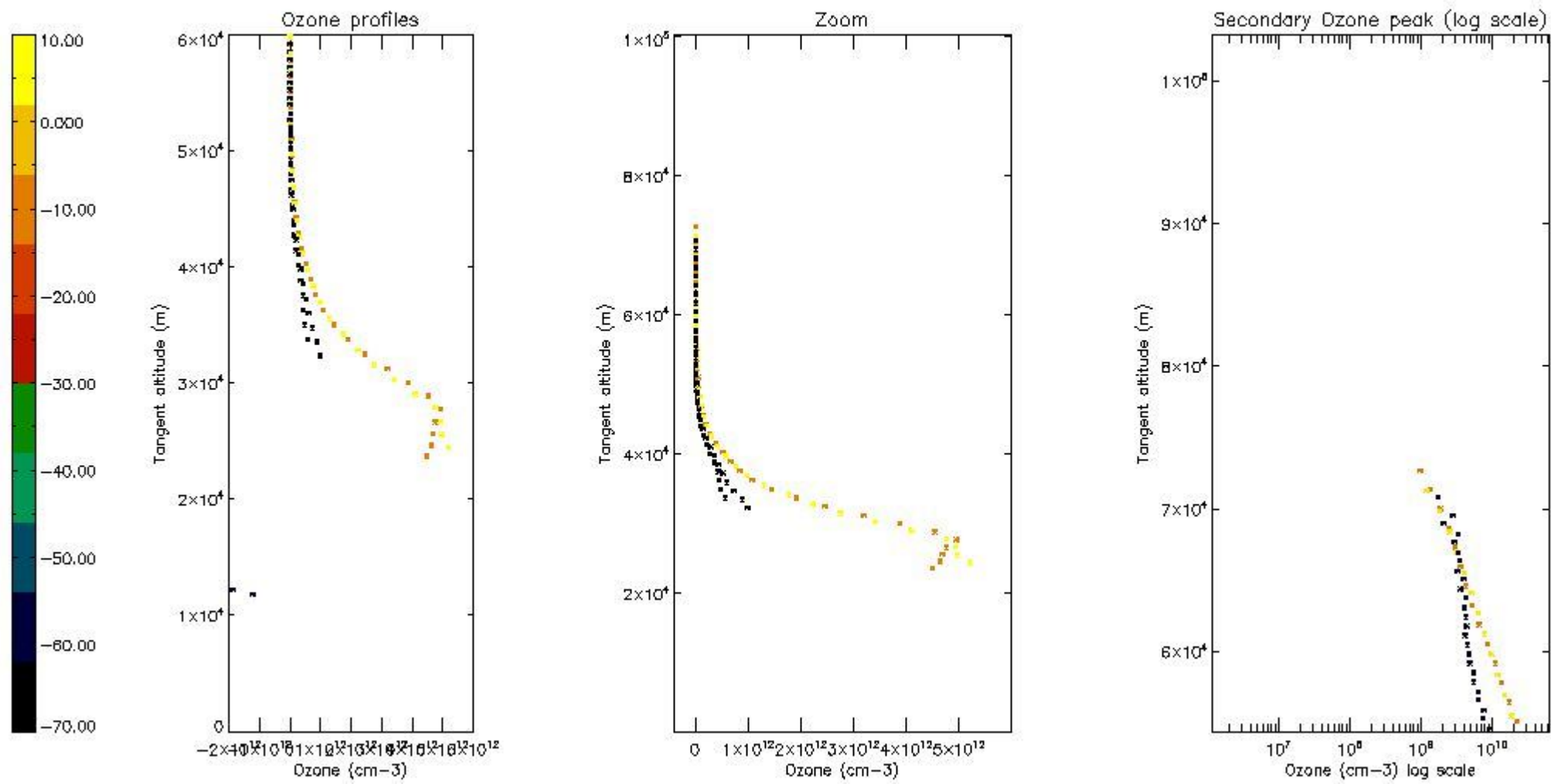
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



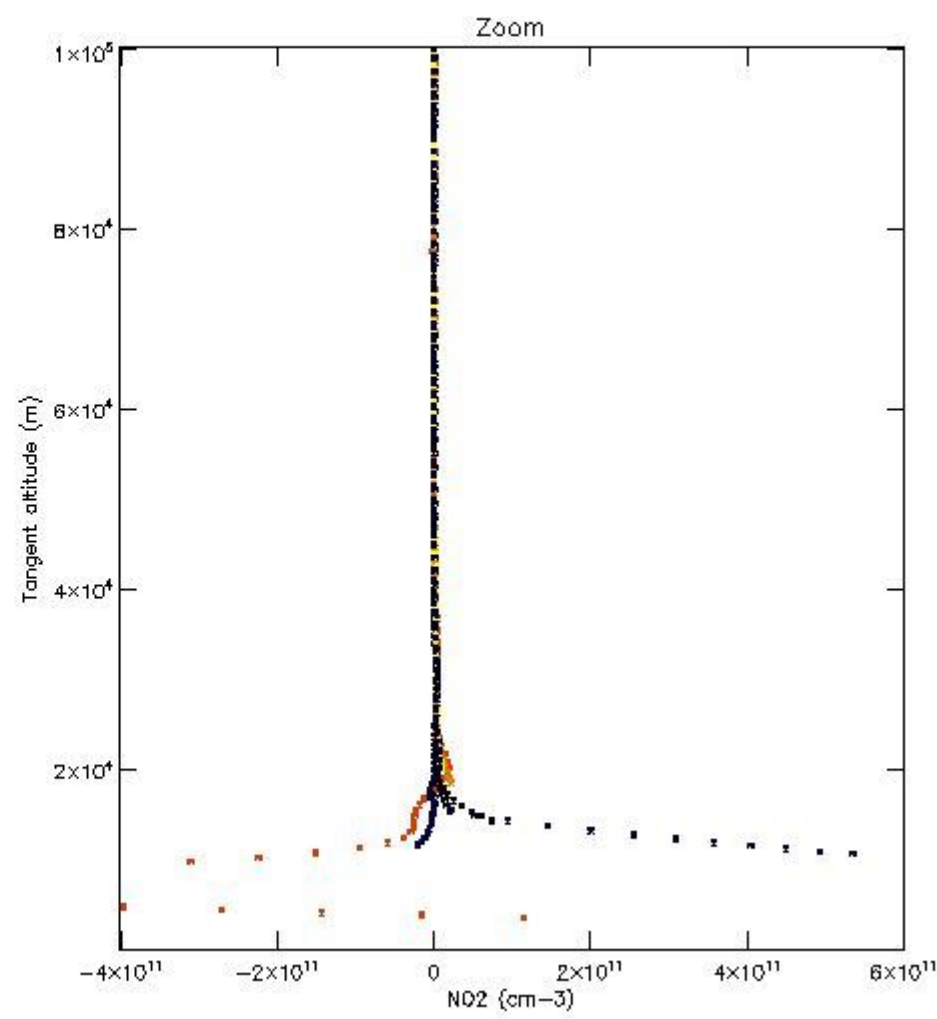
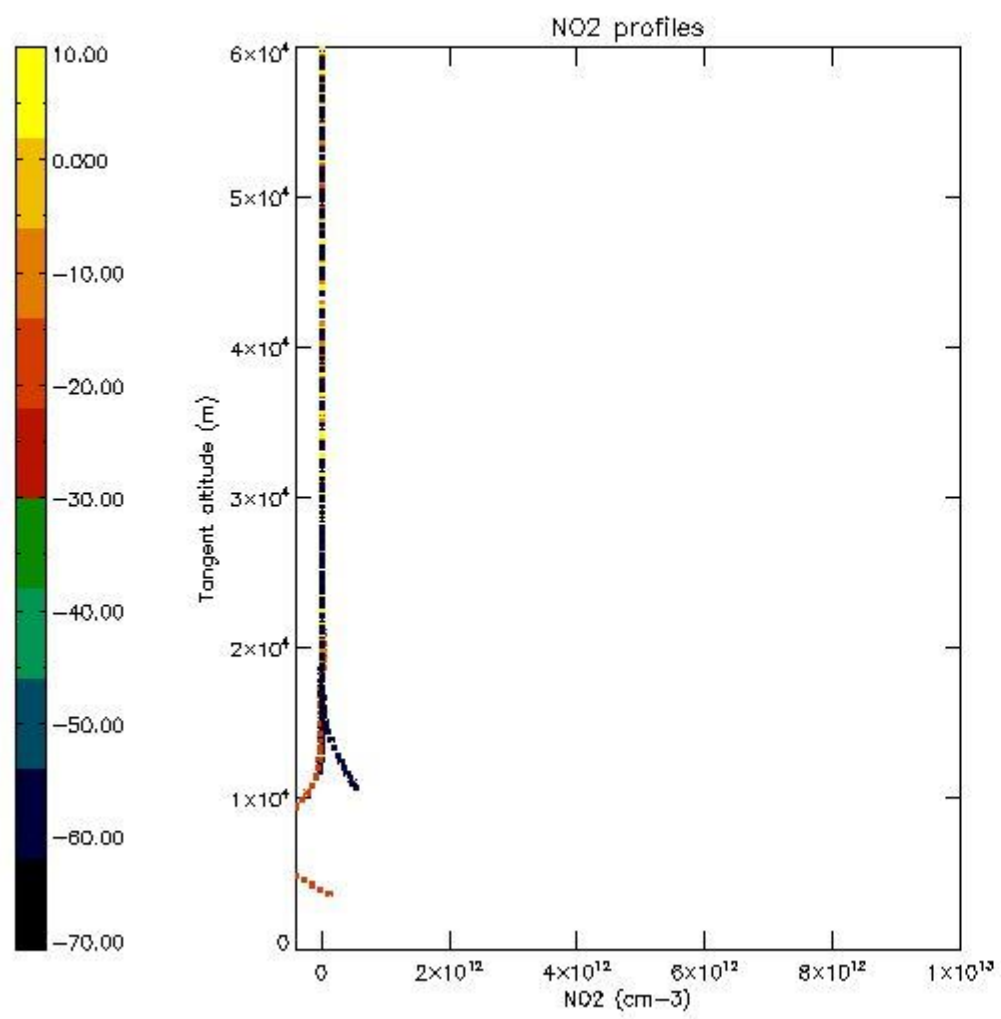
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



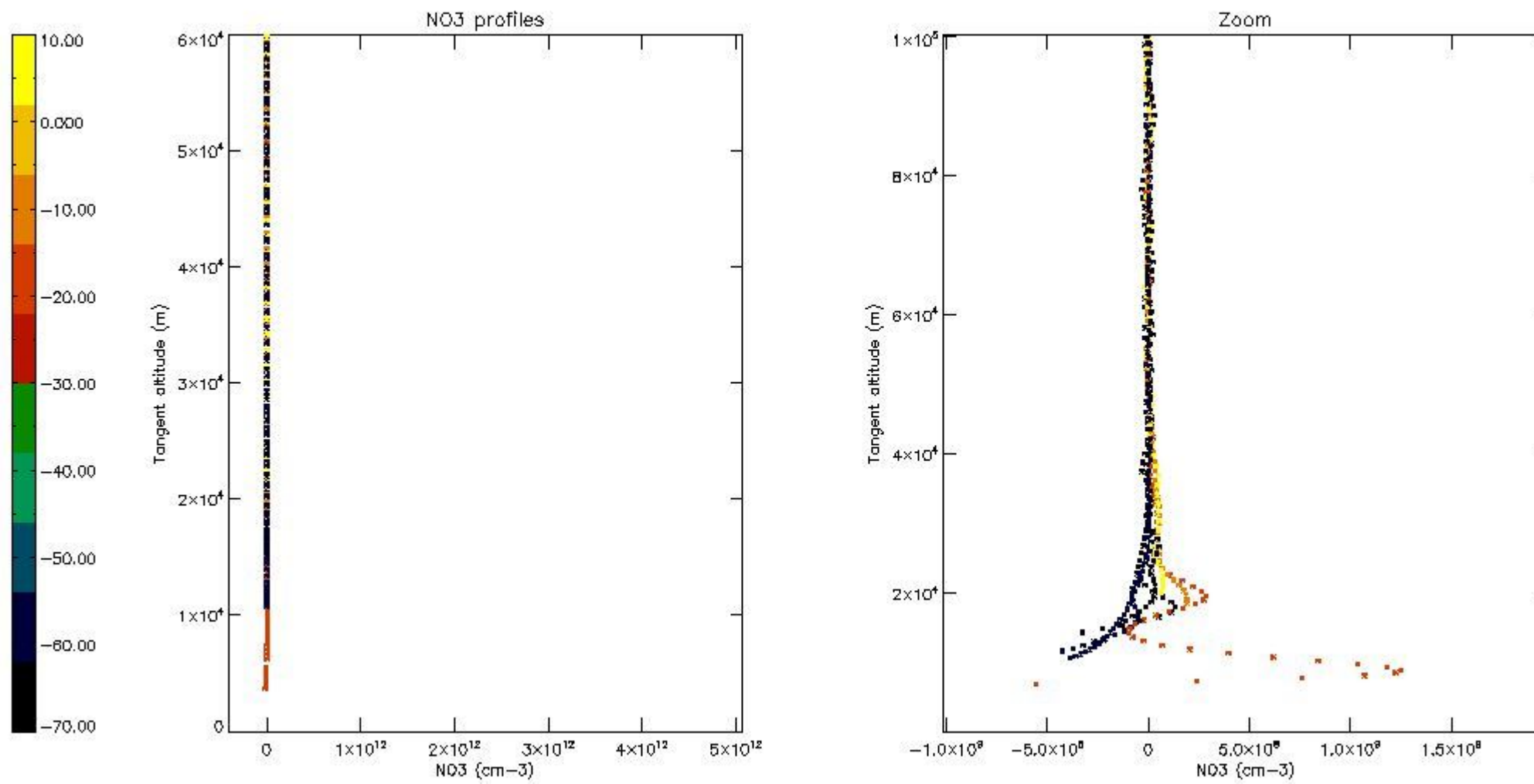
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

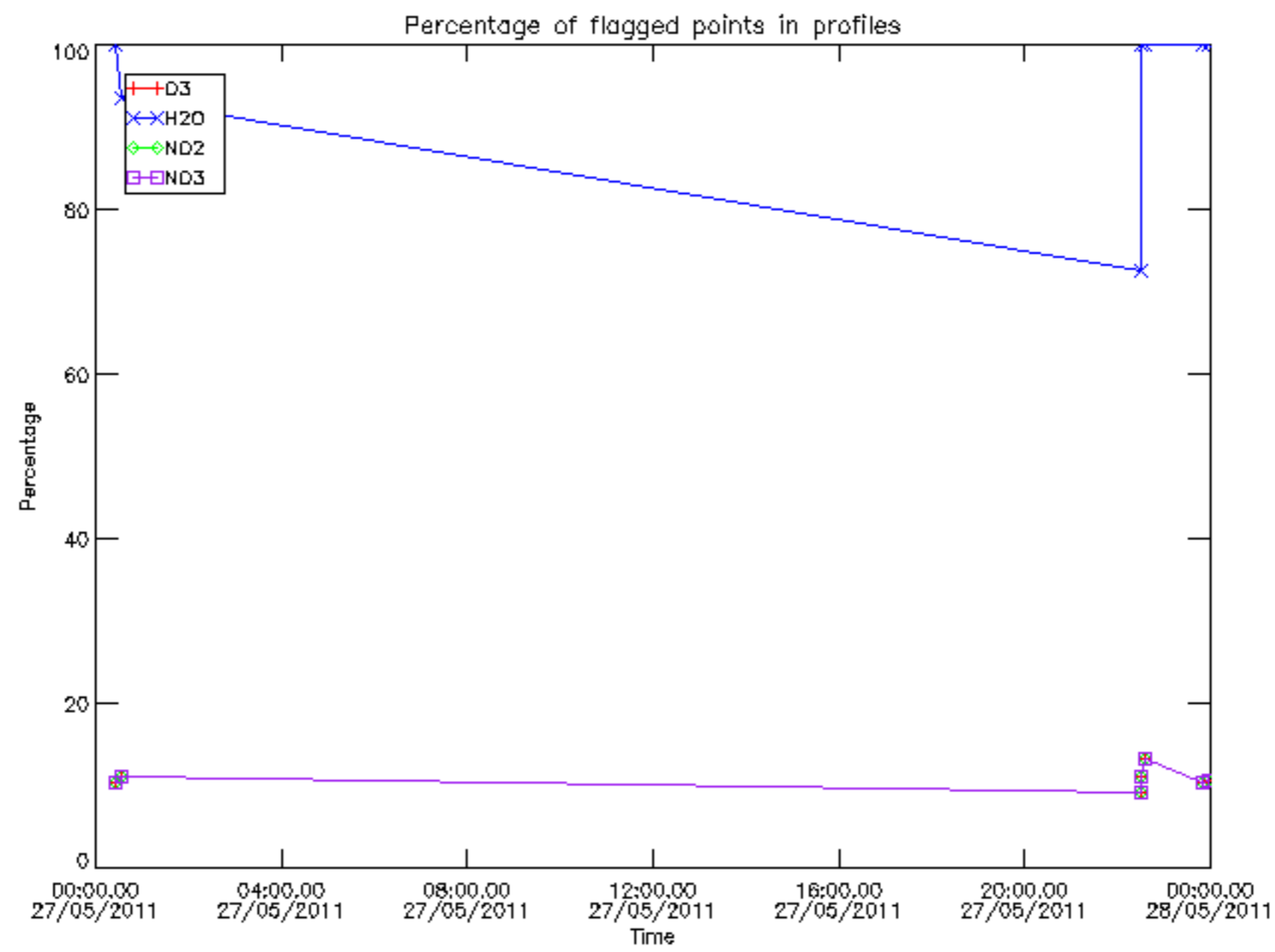
The colorbar represents the latitude.



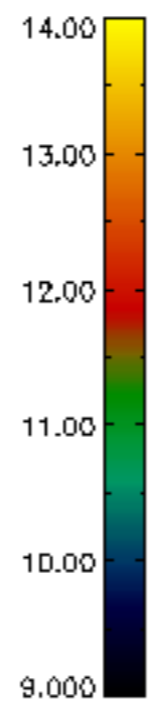
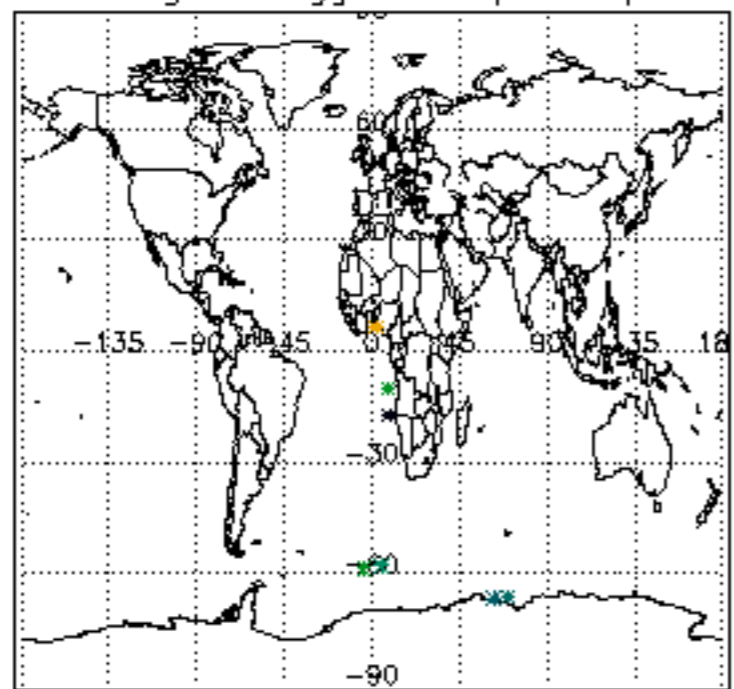
6. Auxiliary Data Files used for the production reported in section 2

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.

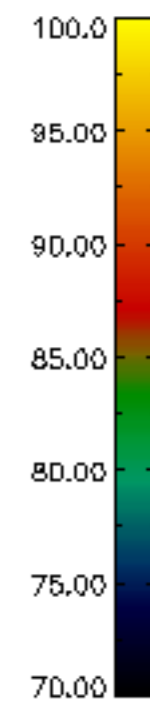
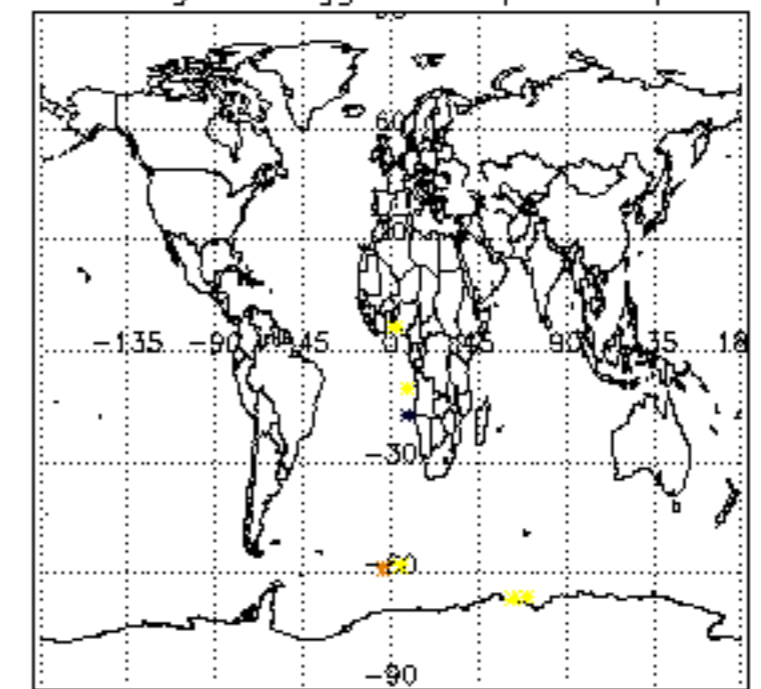
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	27-MAY-2011 00:06:21
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	27-MAY-2011 00:06:21
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	27-MAY-2011 00:06:21



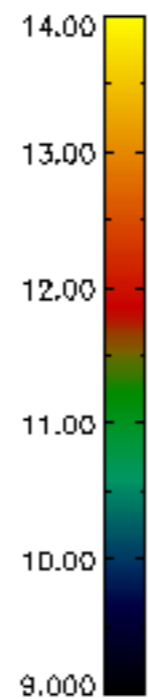
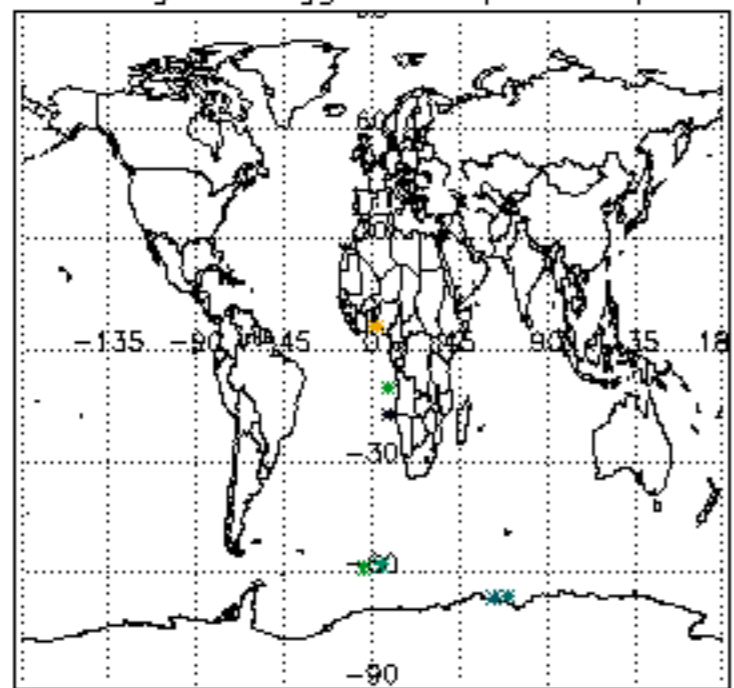
Percentage of flagged data per D3 profile



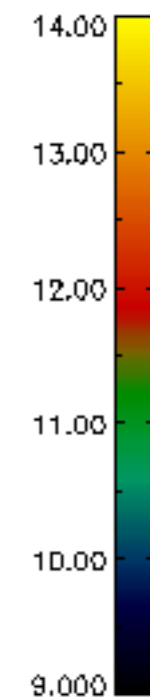
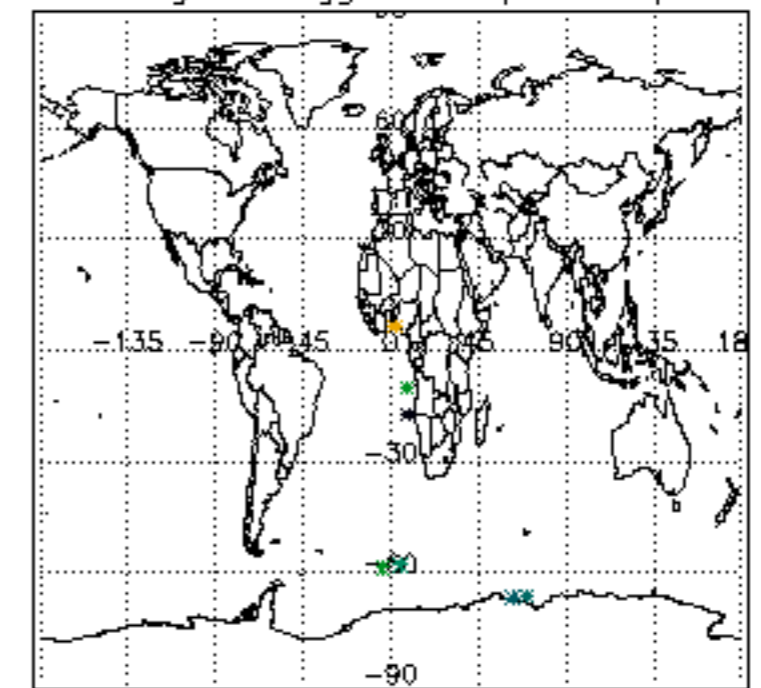
Percentage of flagged data per H2O profile

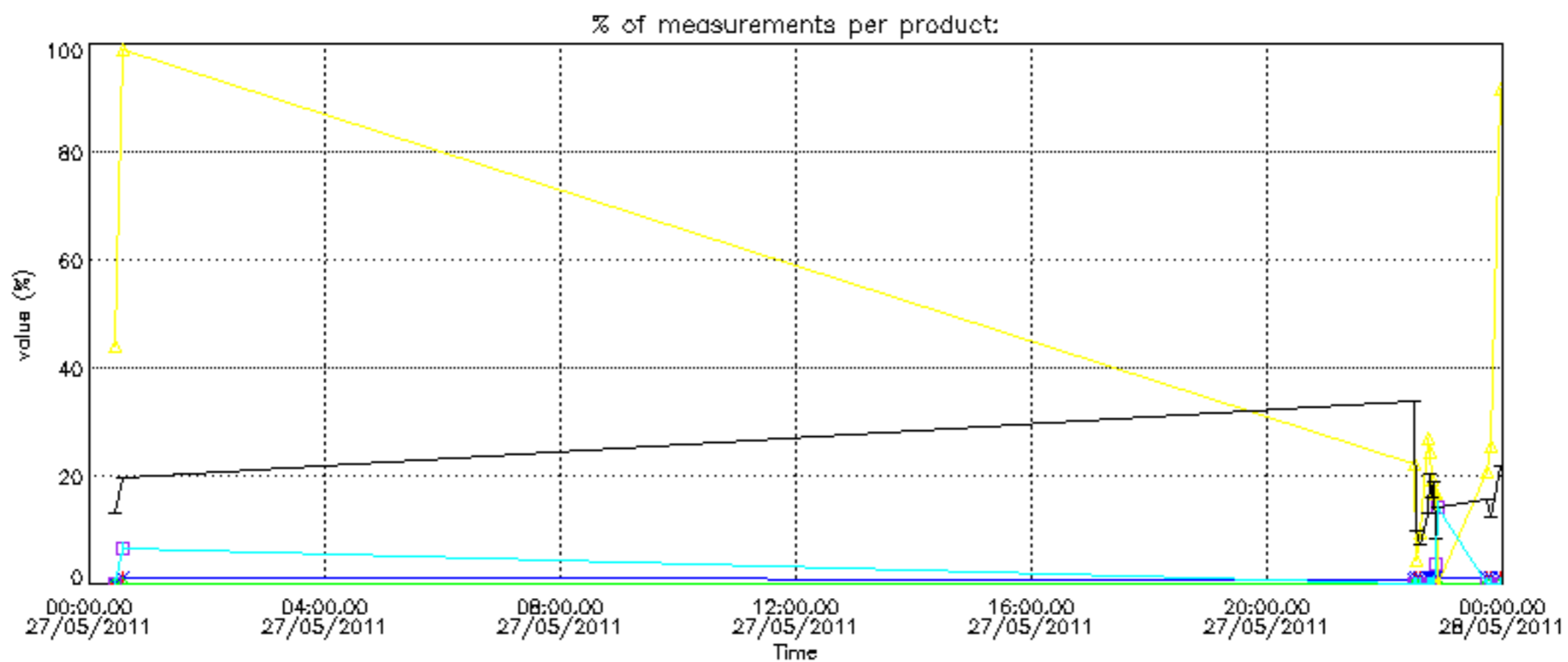


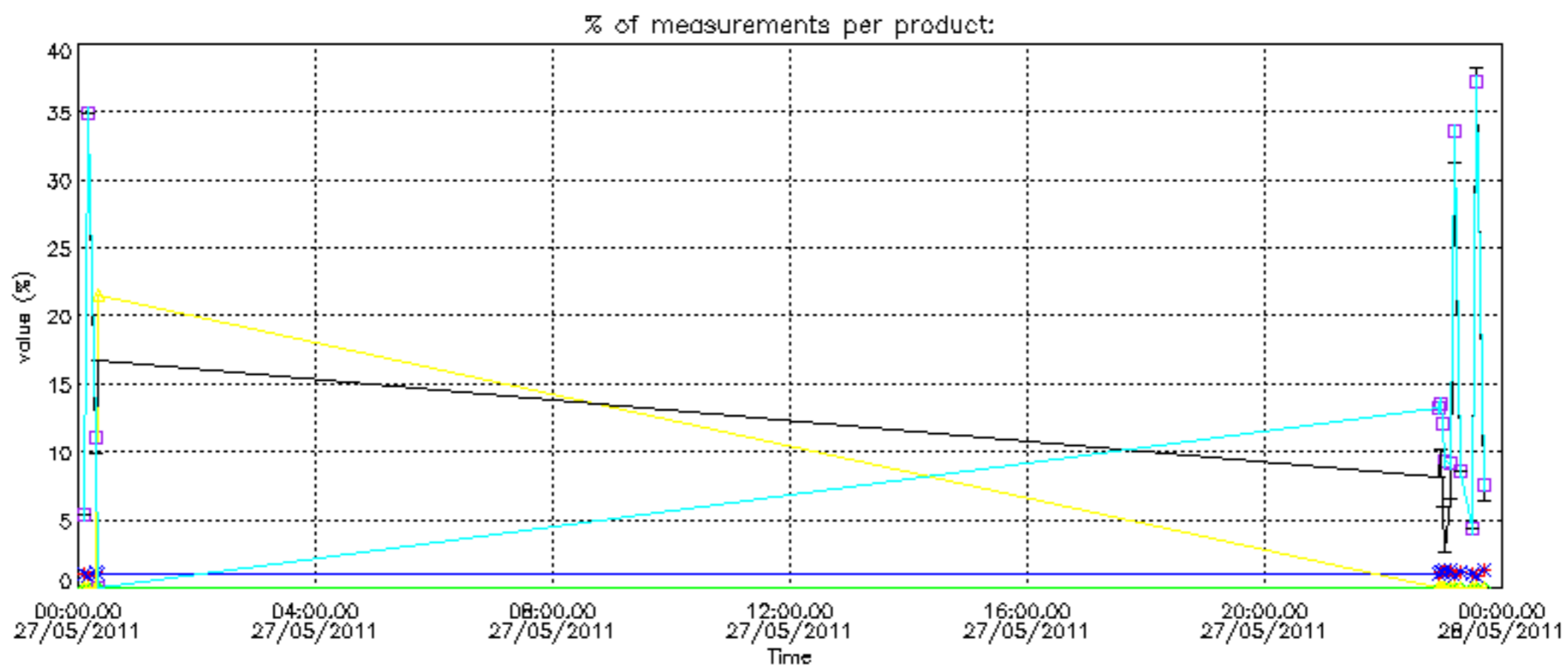
Percentage of flagged data per NO2 profile



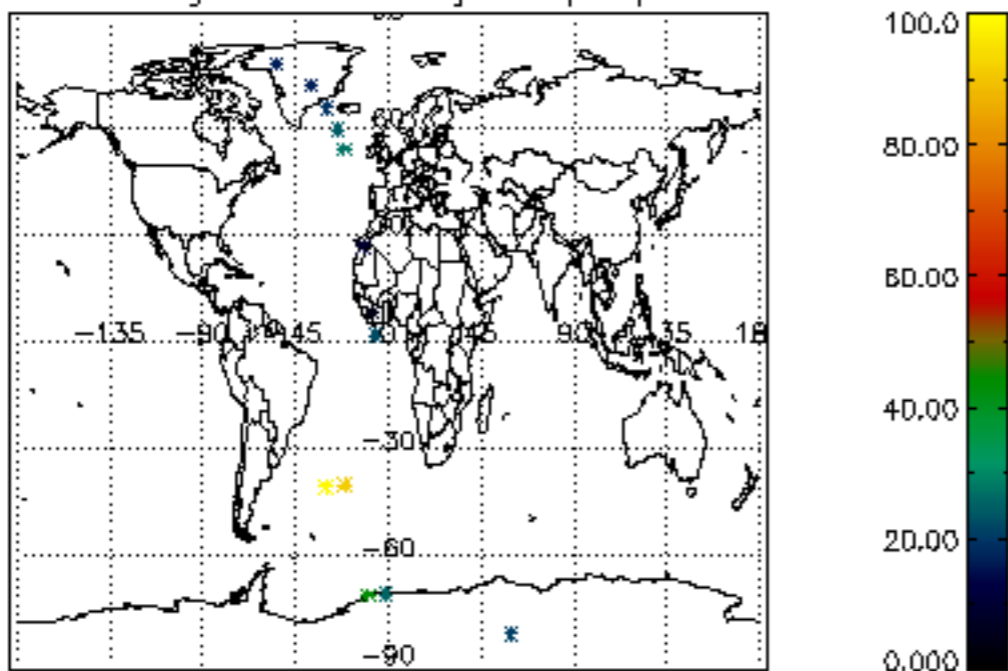
Percentage of flagged data per NO3 profile



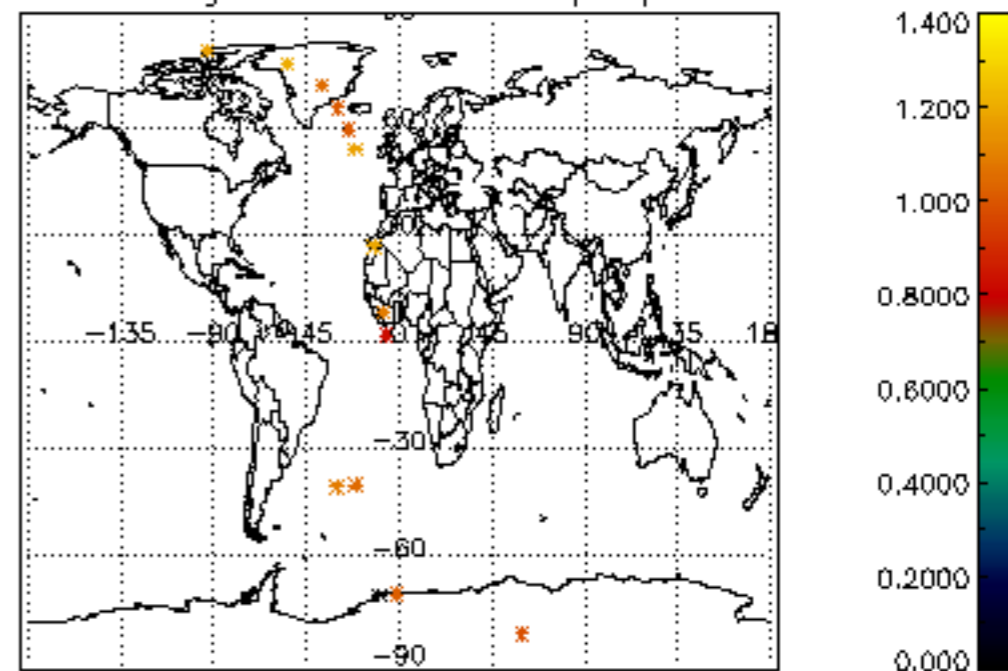




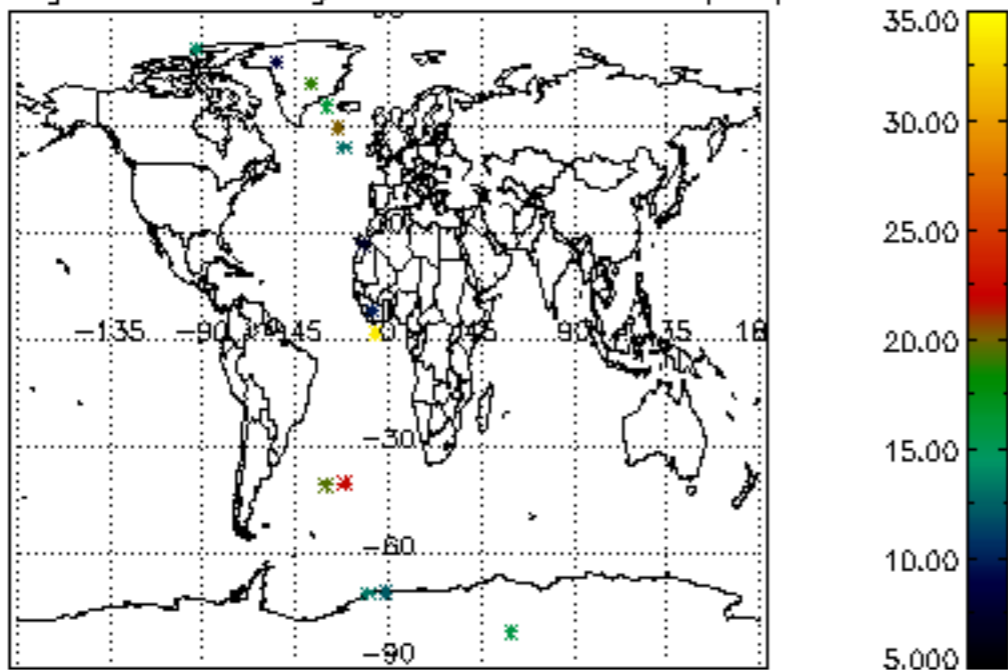
Percentage of cosmic ray hits per profile



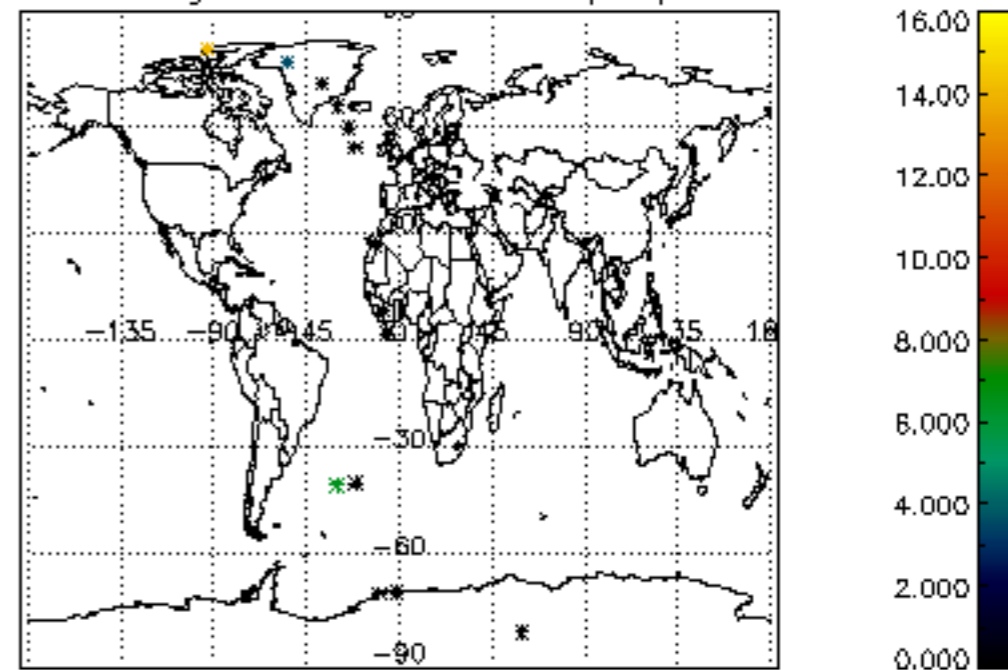
Percentage of datation errors per profile



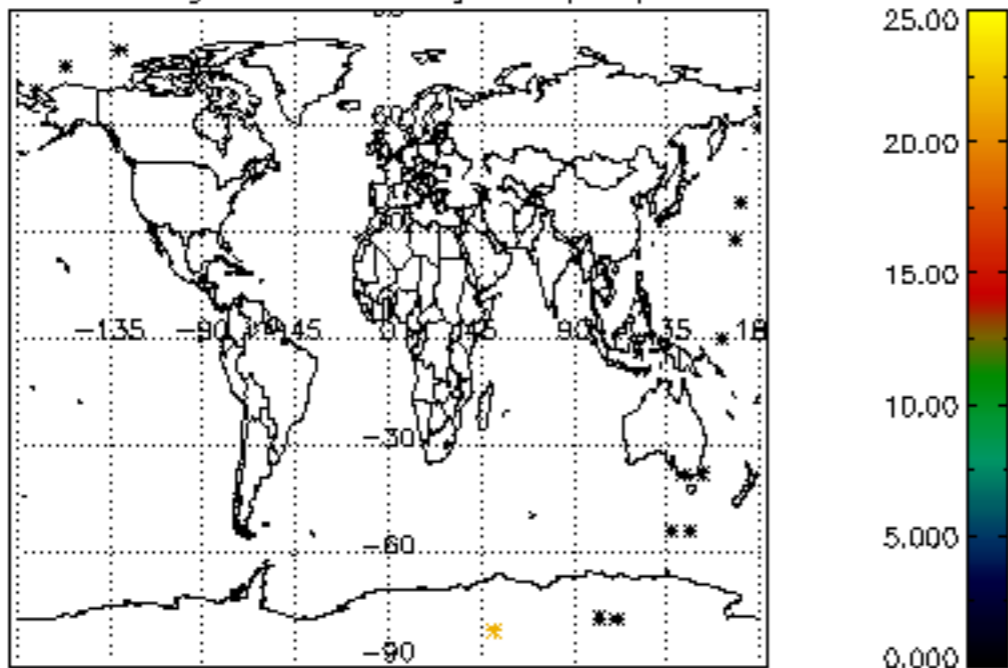
Percentage of star falling outside central band per profile



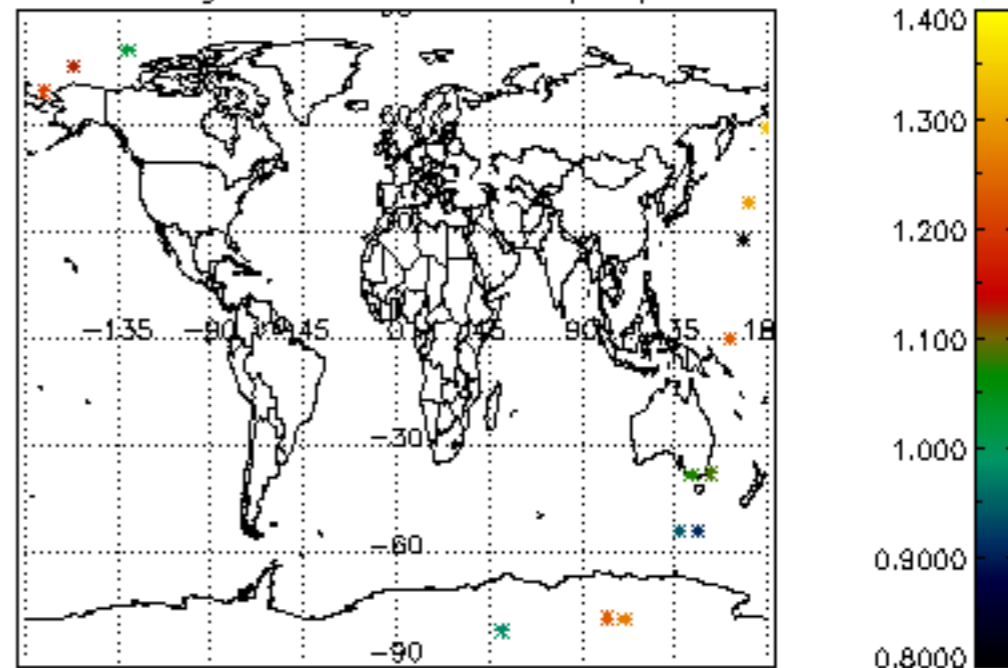
Percentage of saturation errors per profile



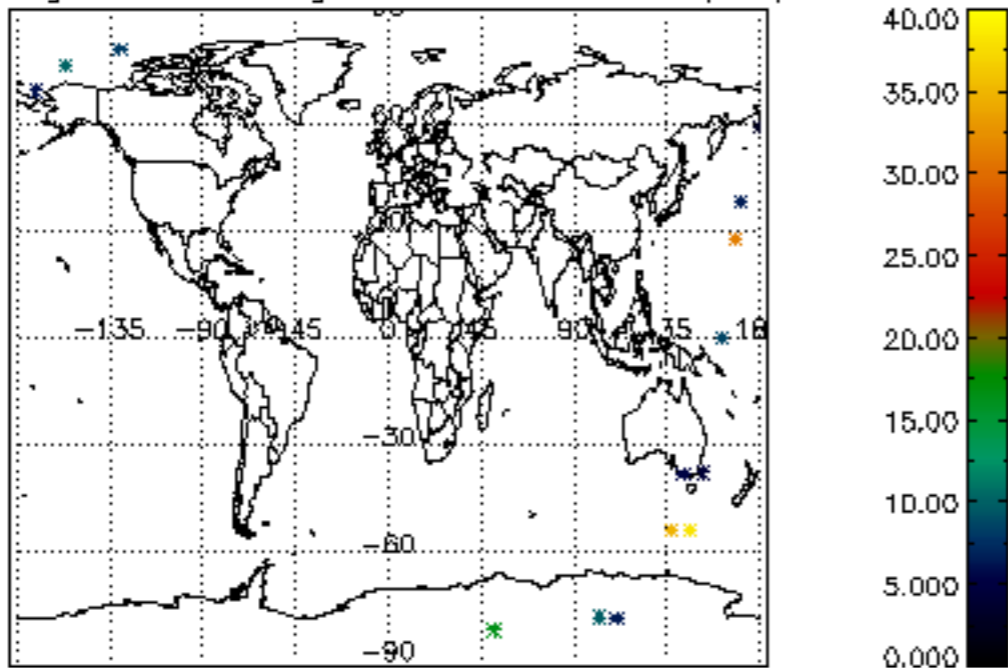
Percentage of cosmic ray hits per profile



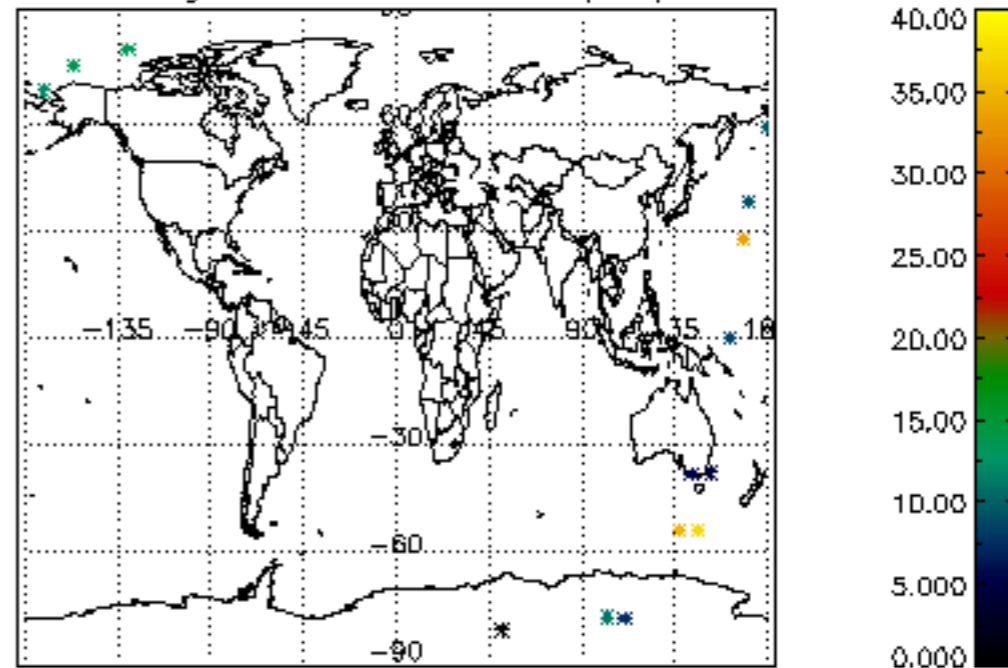
Percentage of datation errors per profile

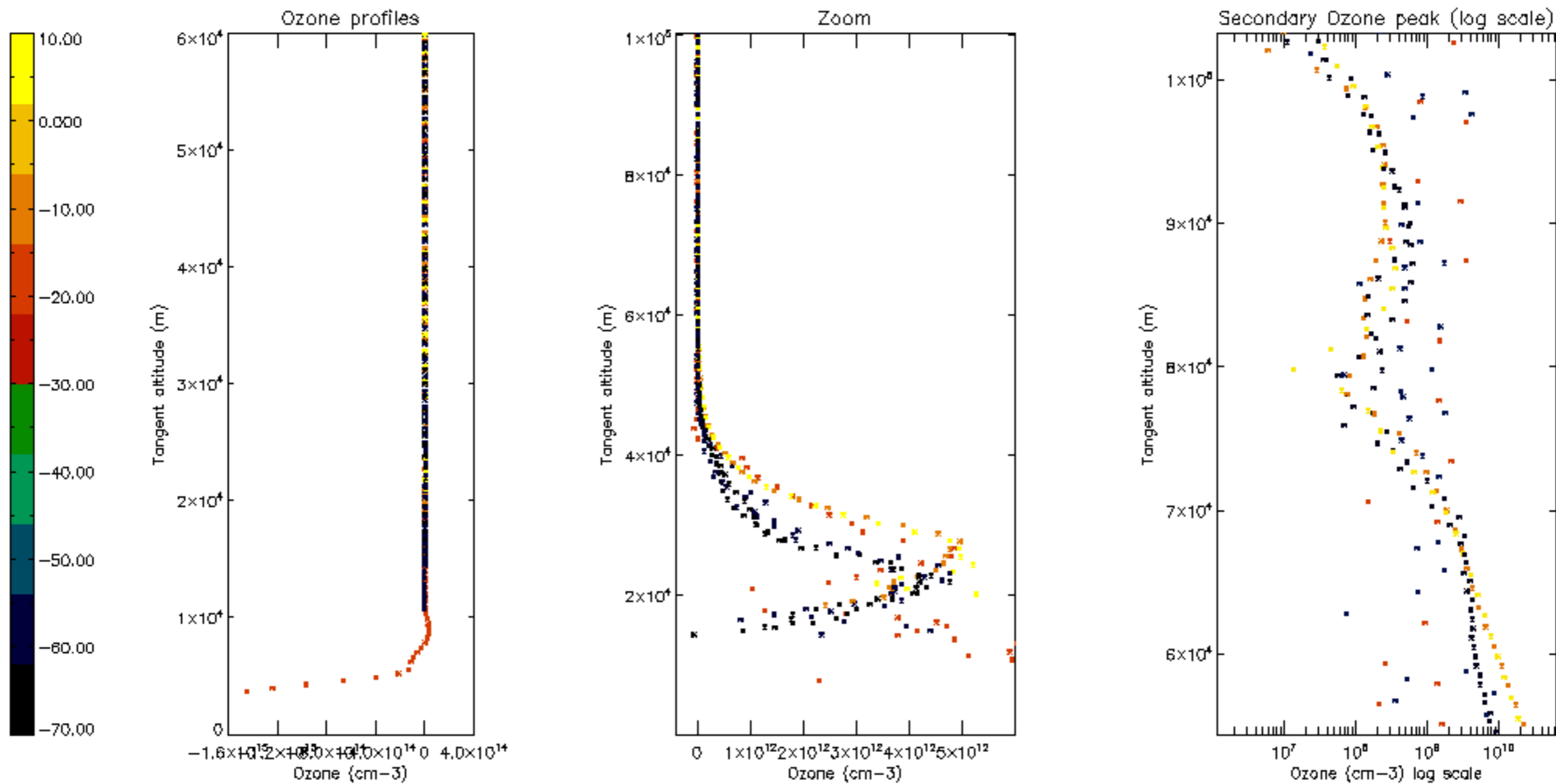


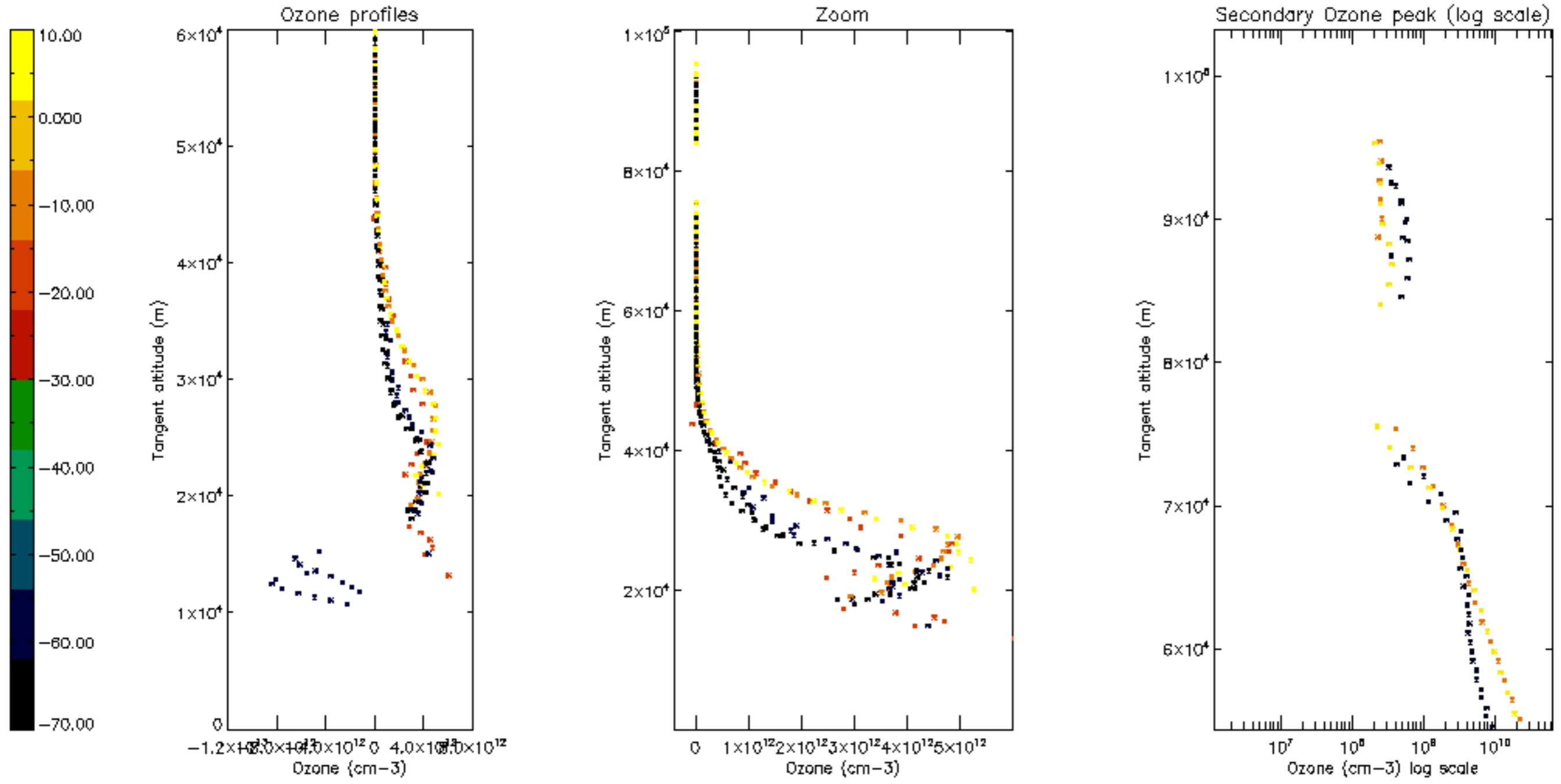
Percentage of star falling outside central band per profile

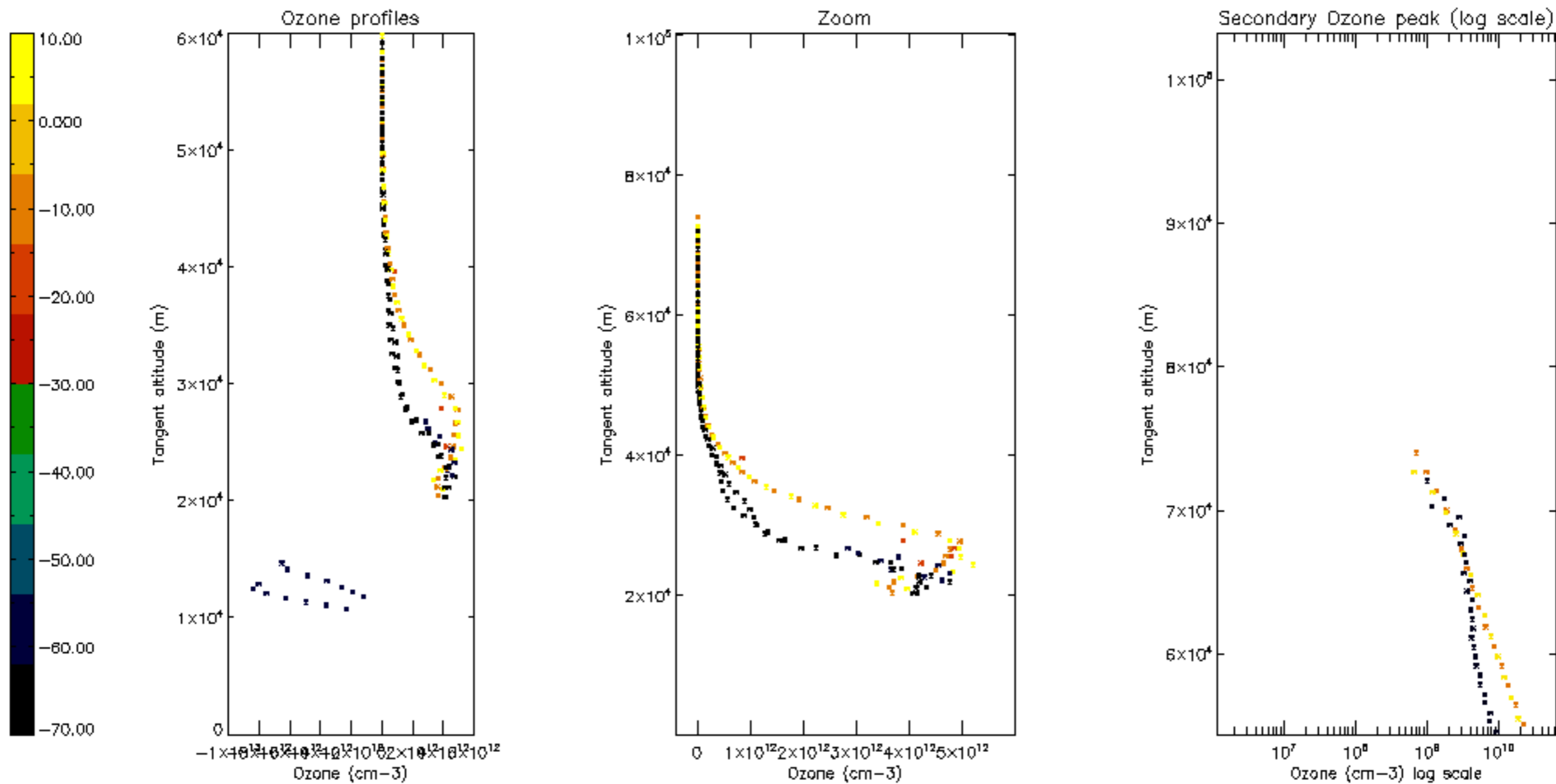


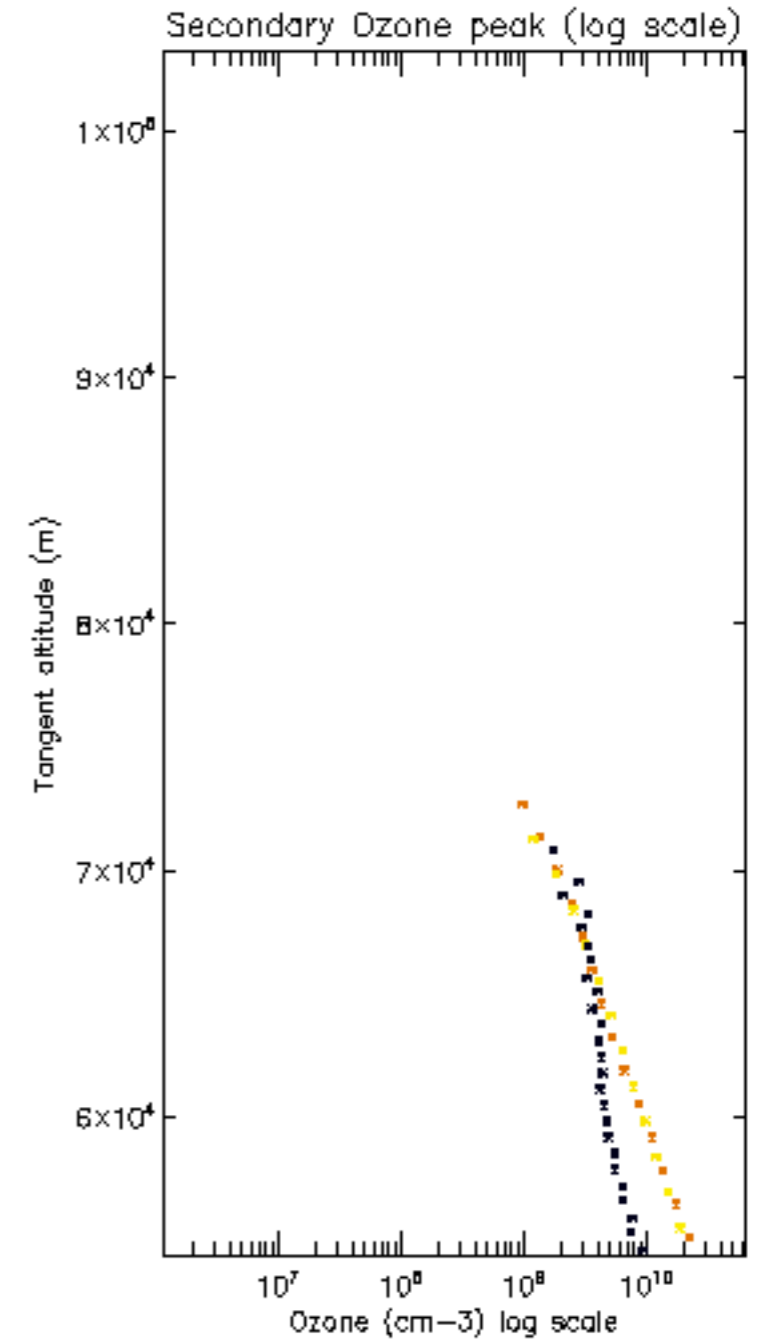
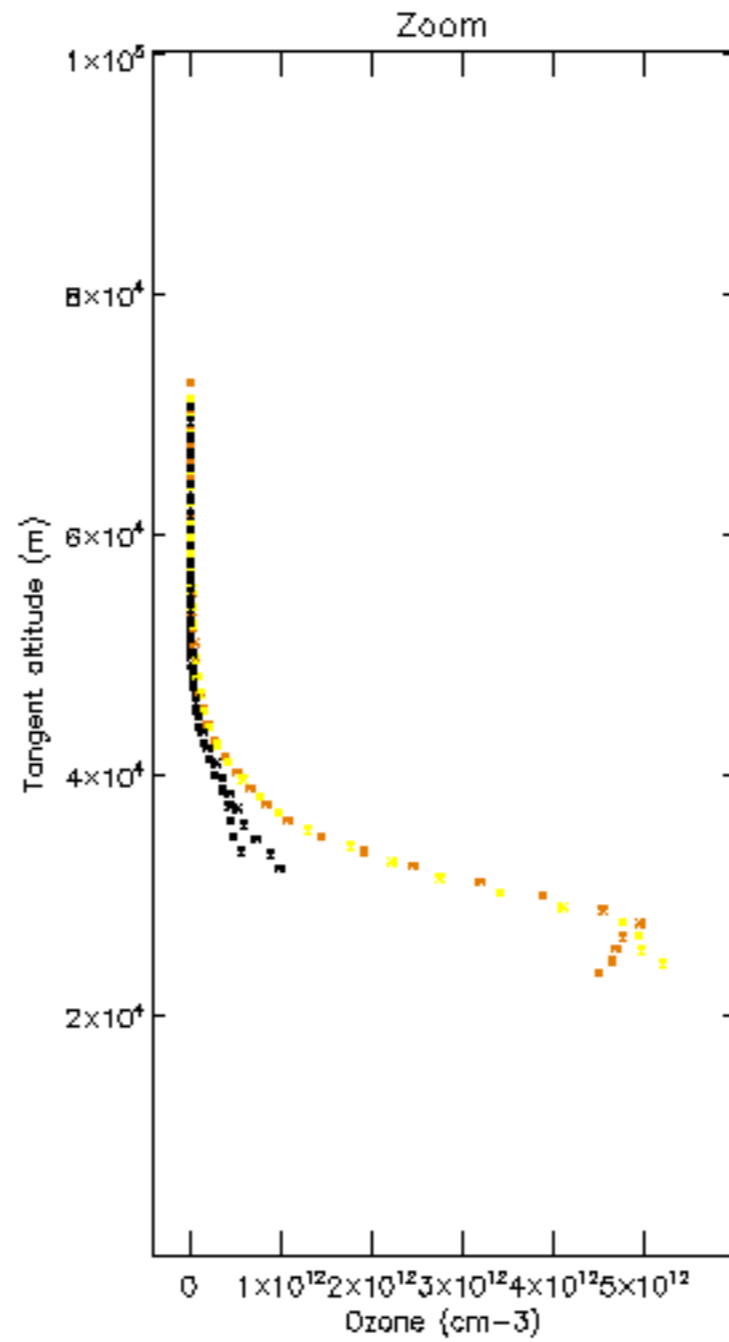
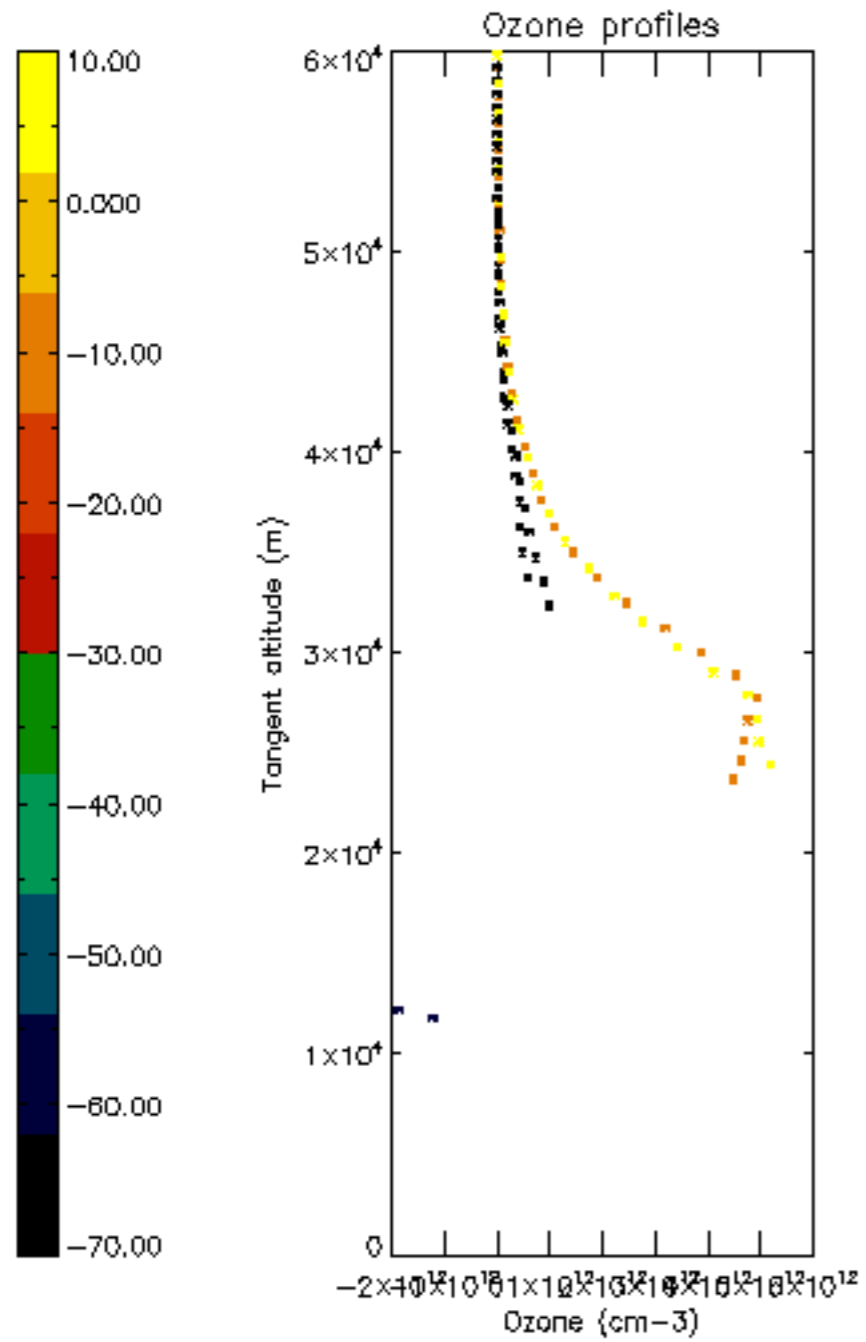
Percentage of saturation errors per profile

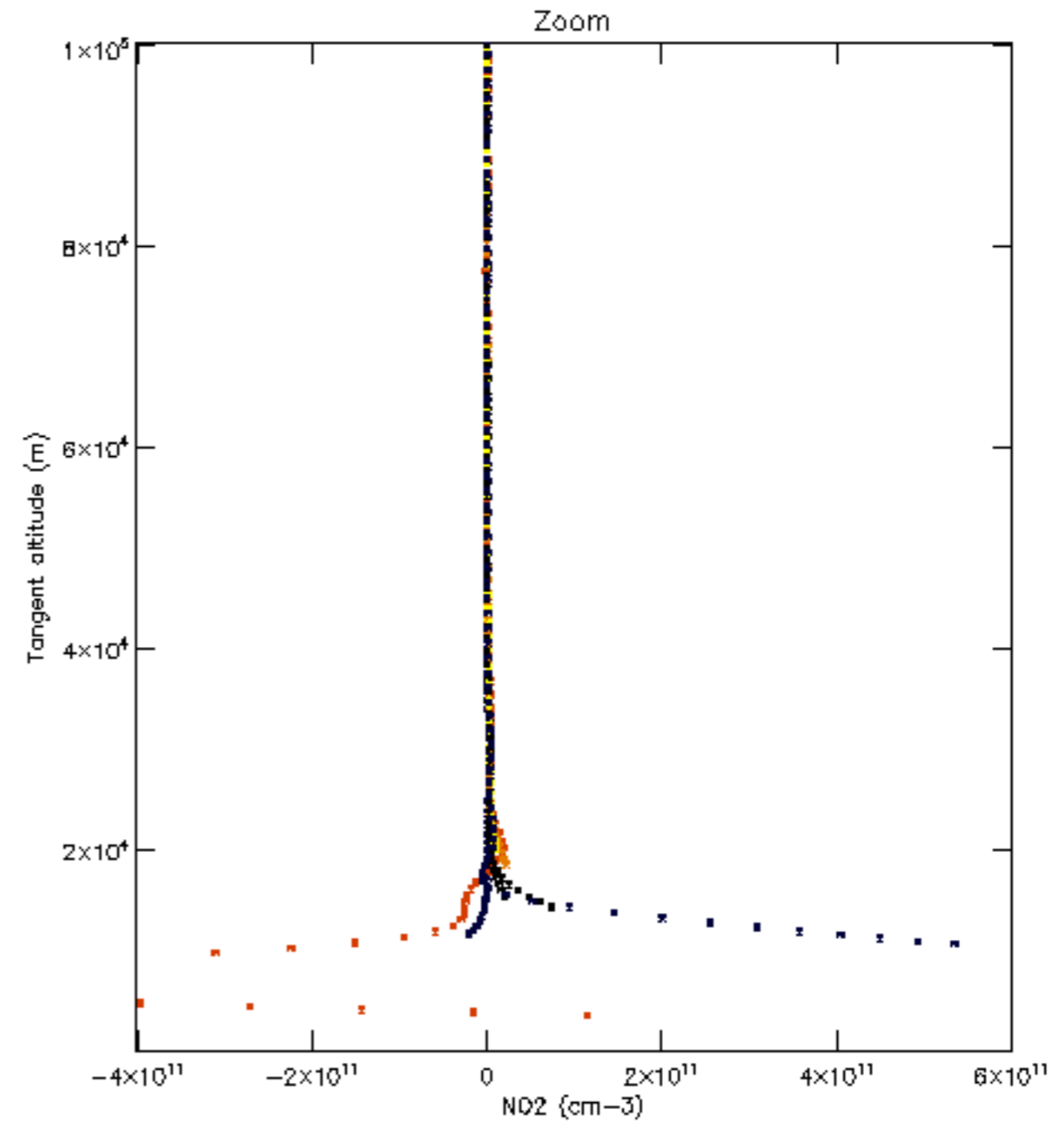
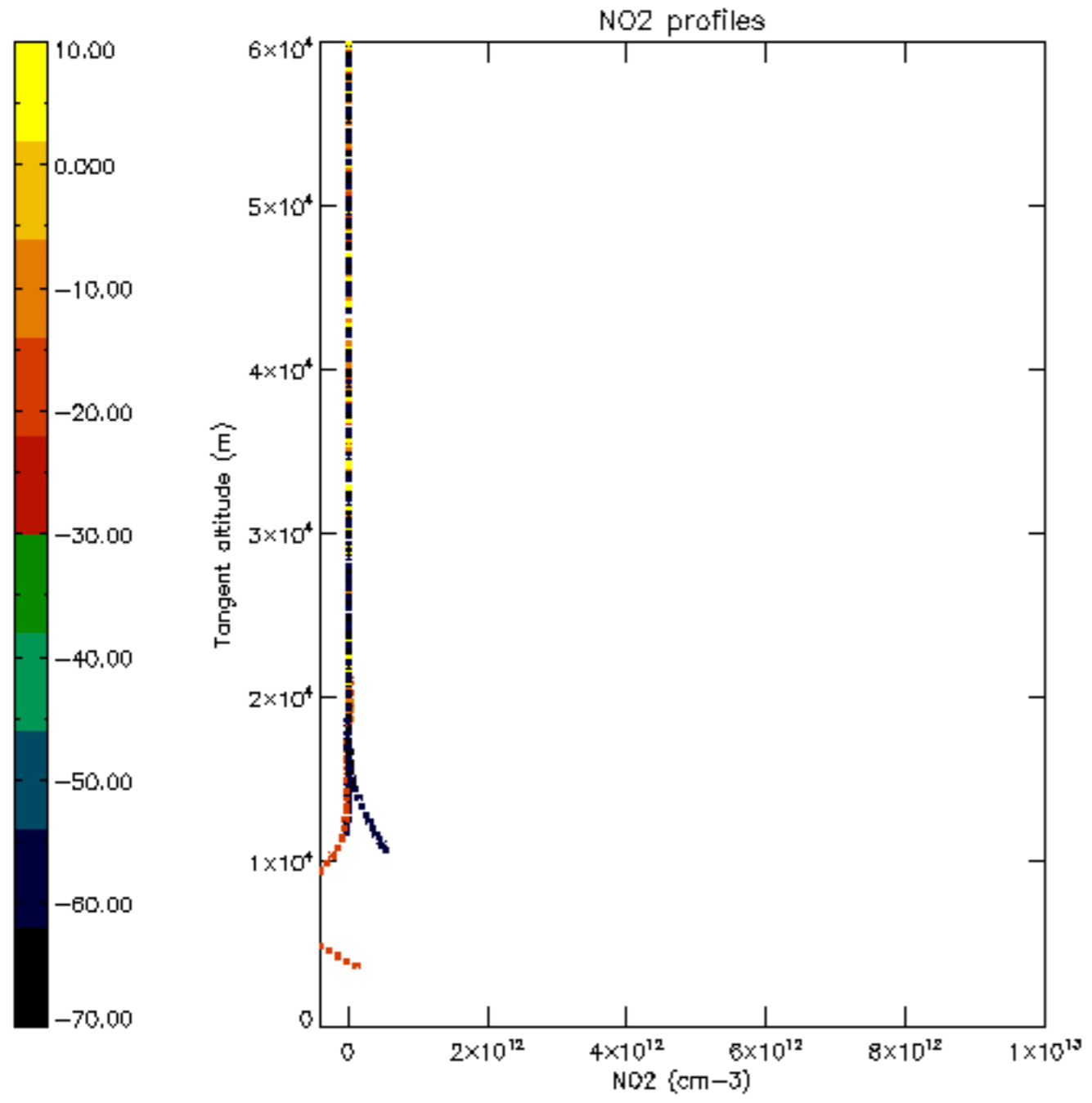


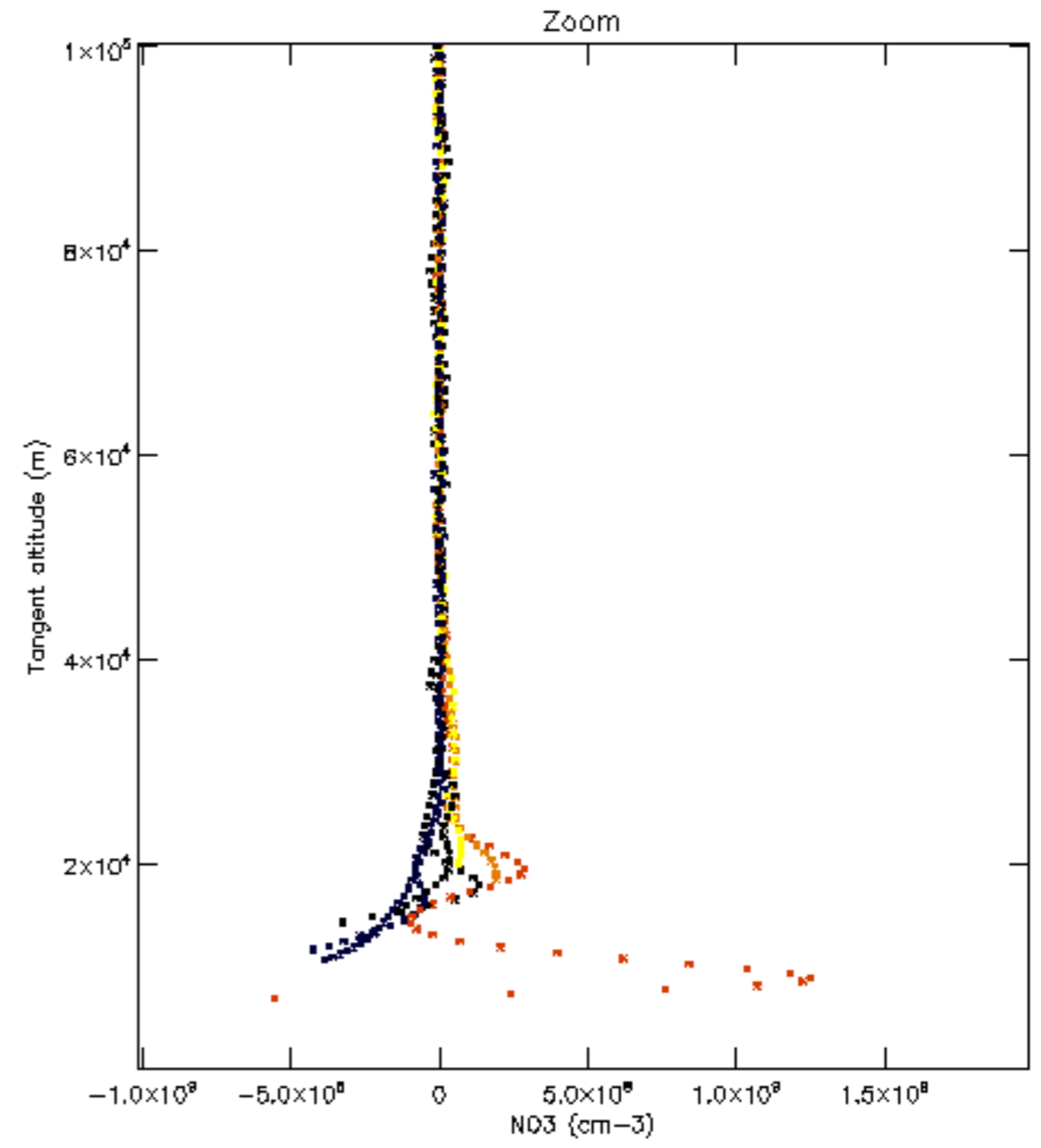
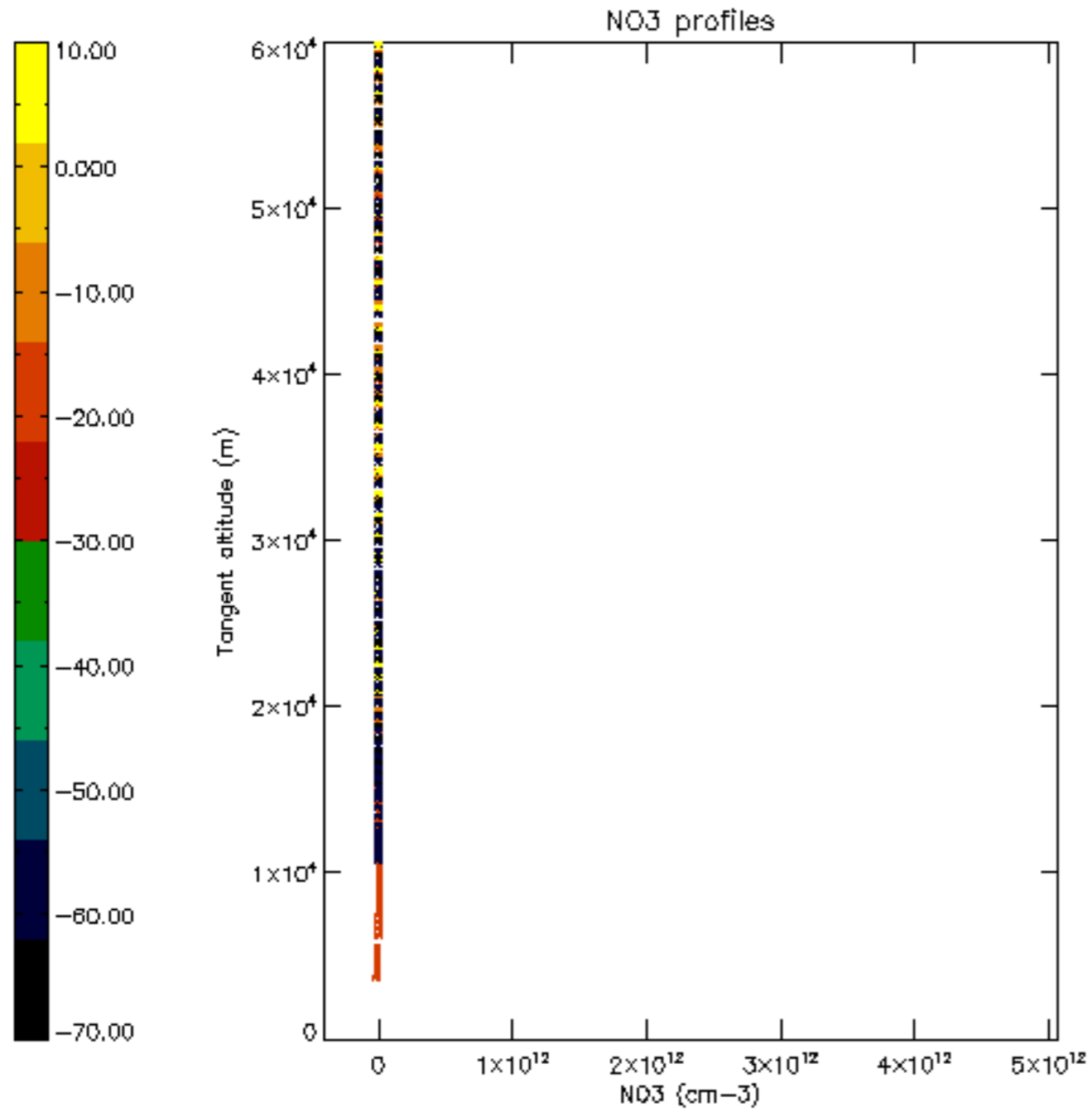


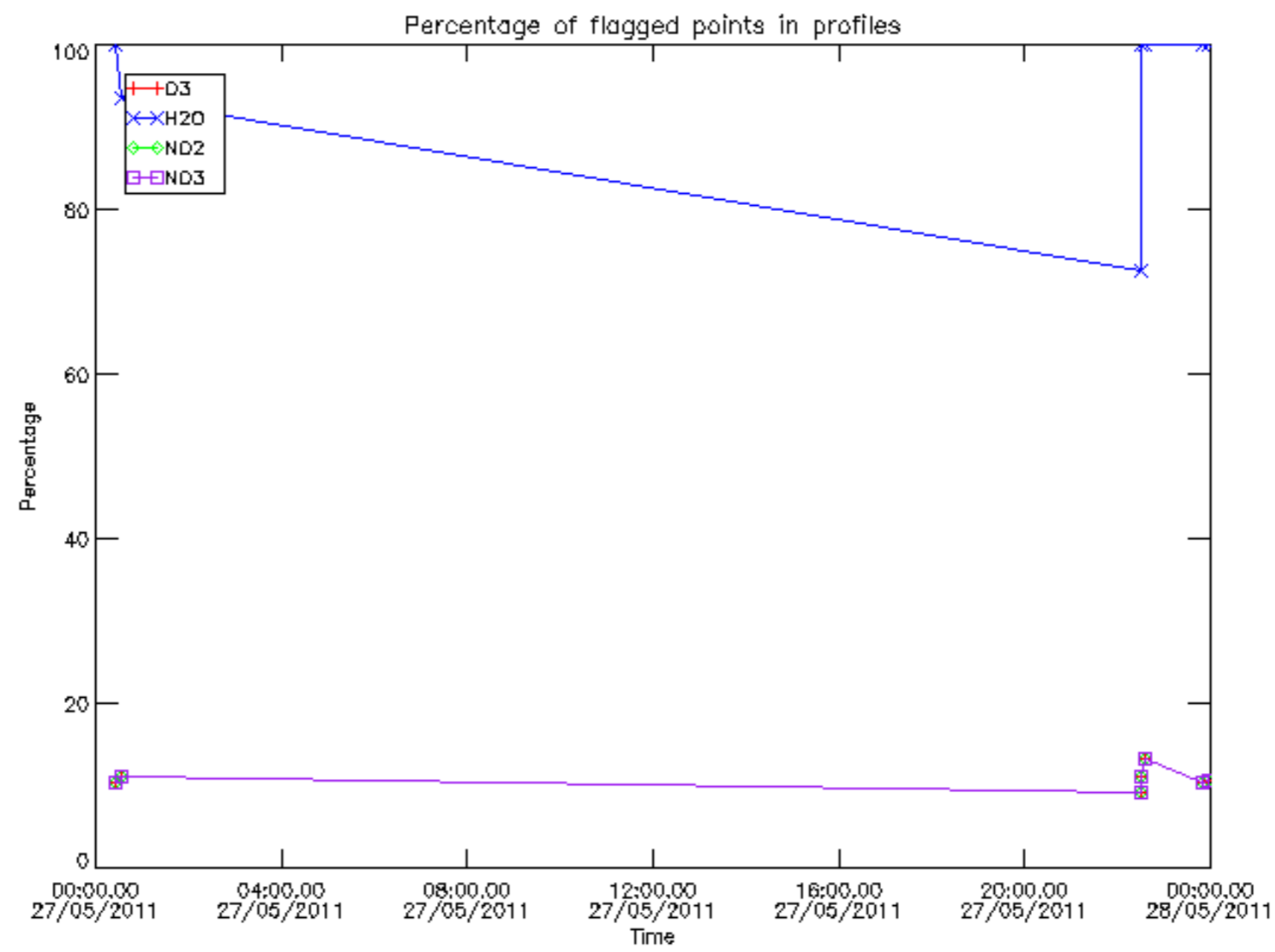




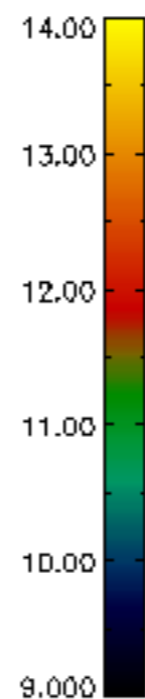
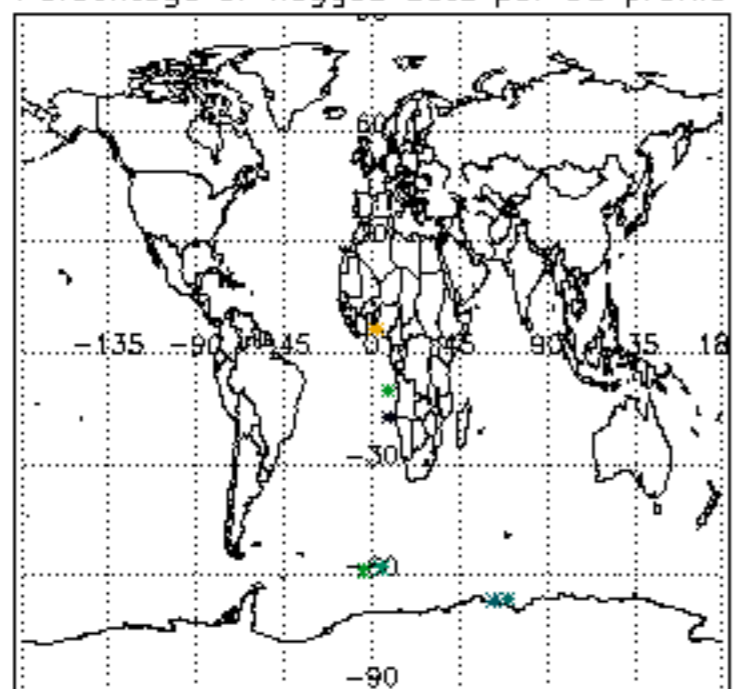




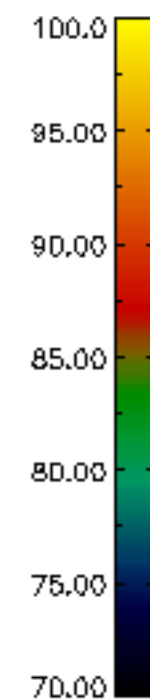
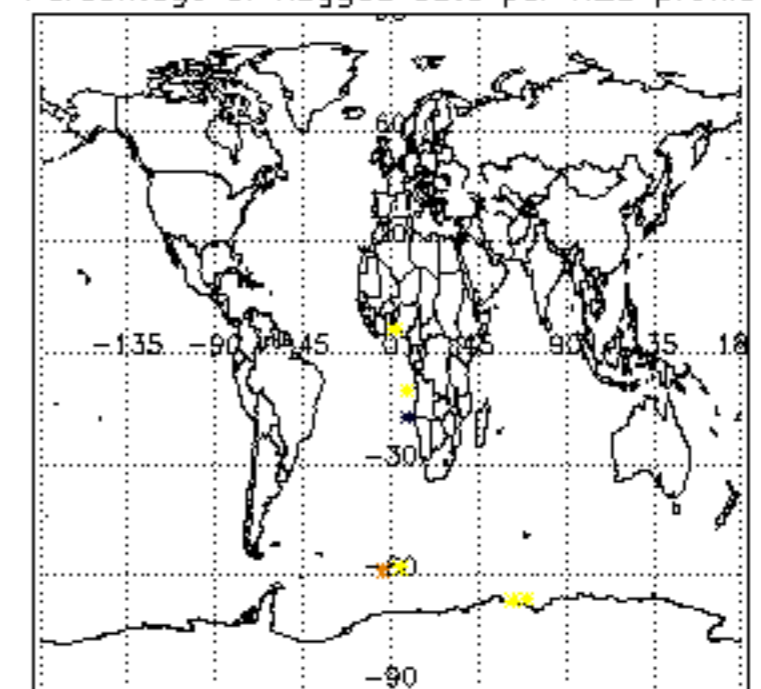




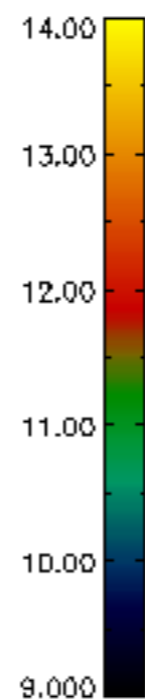
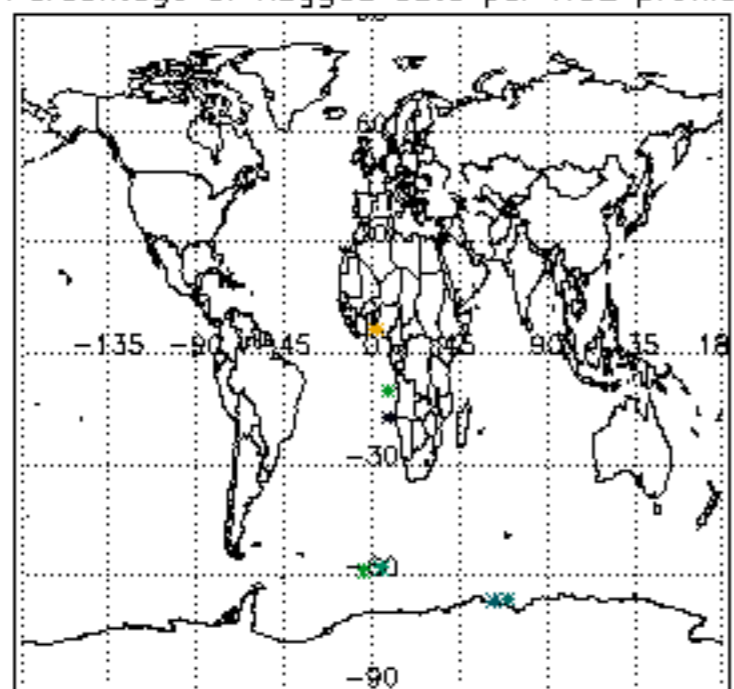
Percentage of flagged data per D3 profile



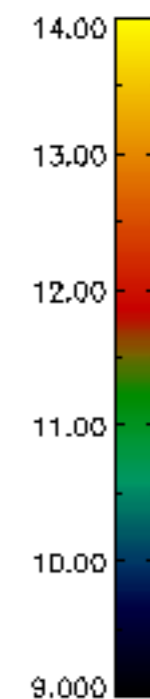
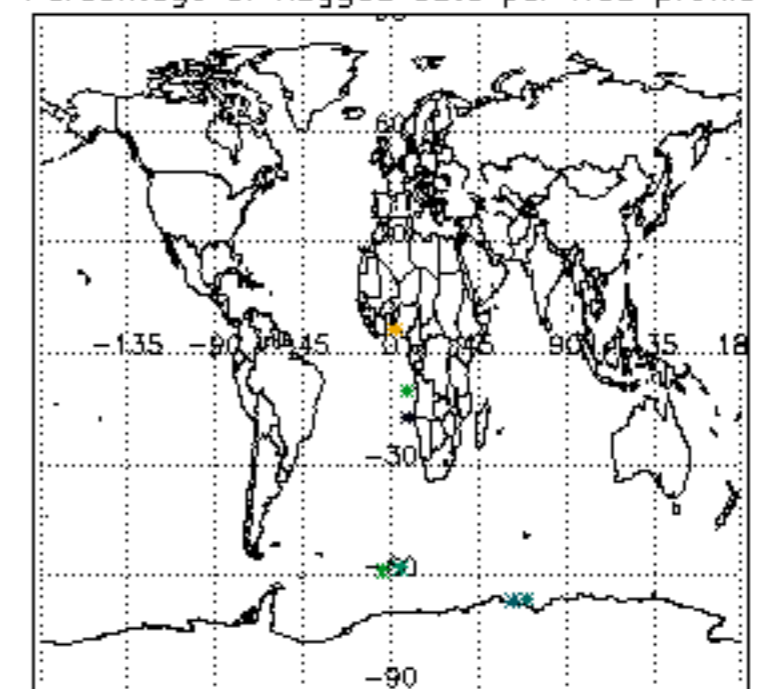
Percentage of flagged data per H2O profile

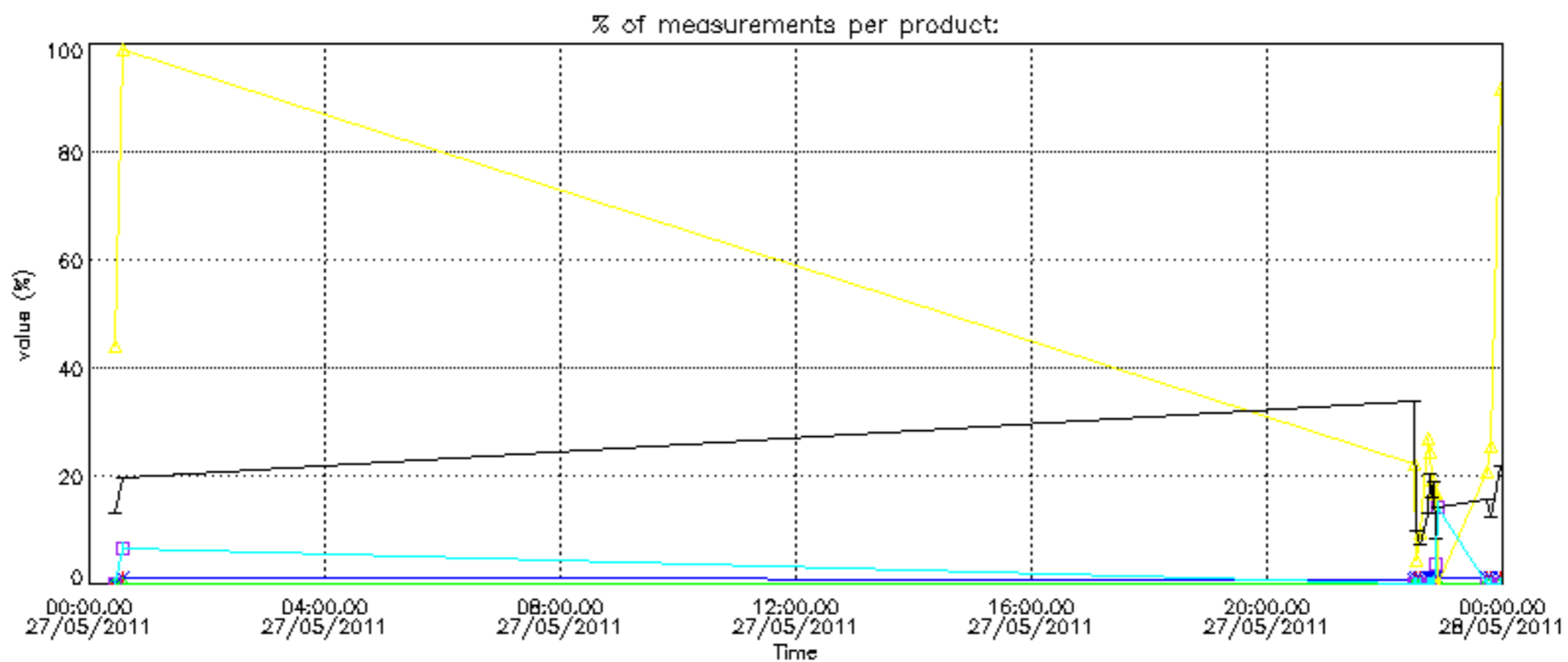


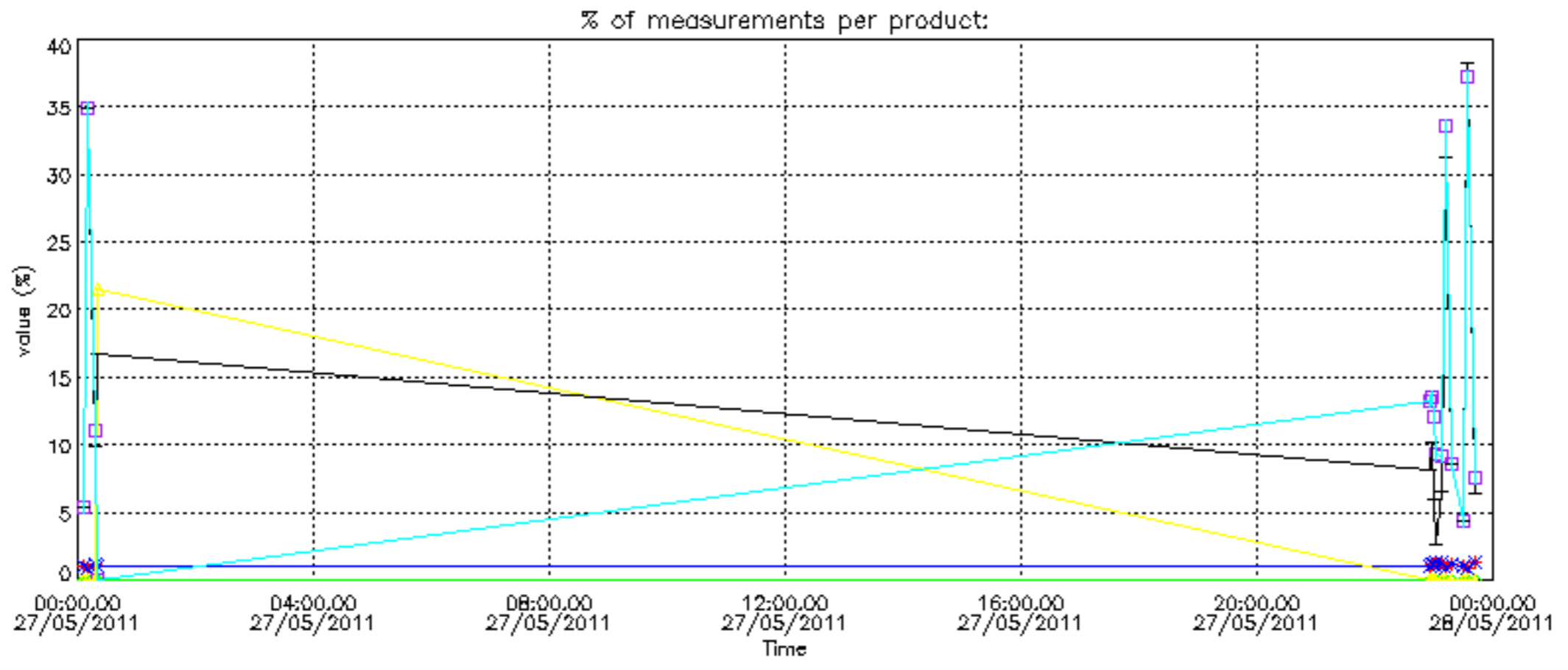
Percentage of flagged data per NO2 profile



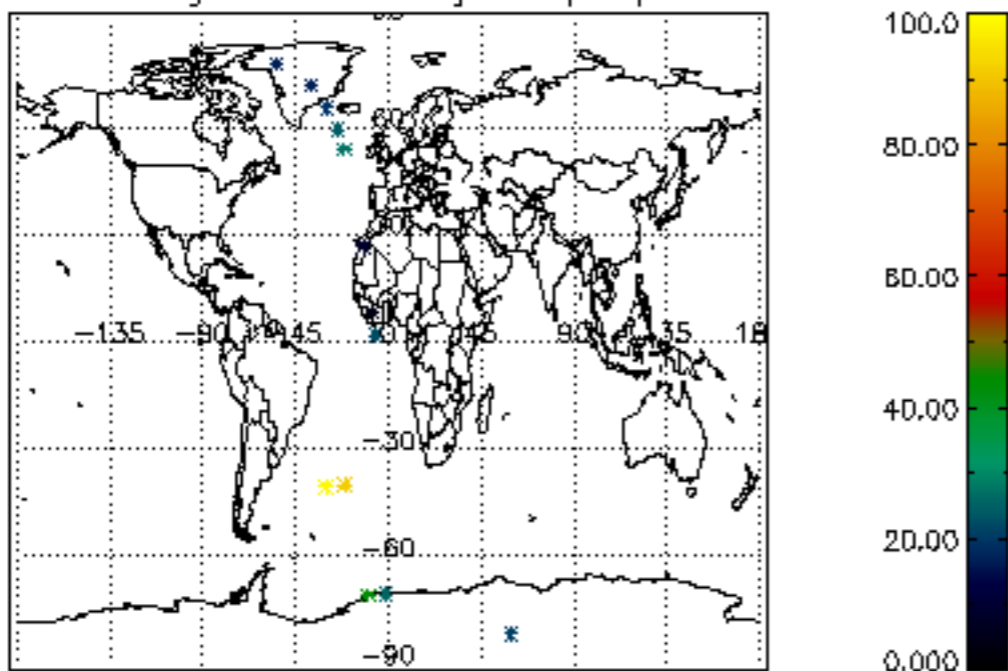
Percentage of flagged data per NO3 profile



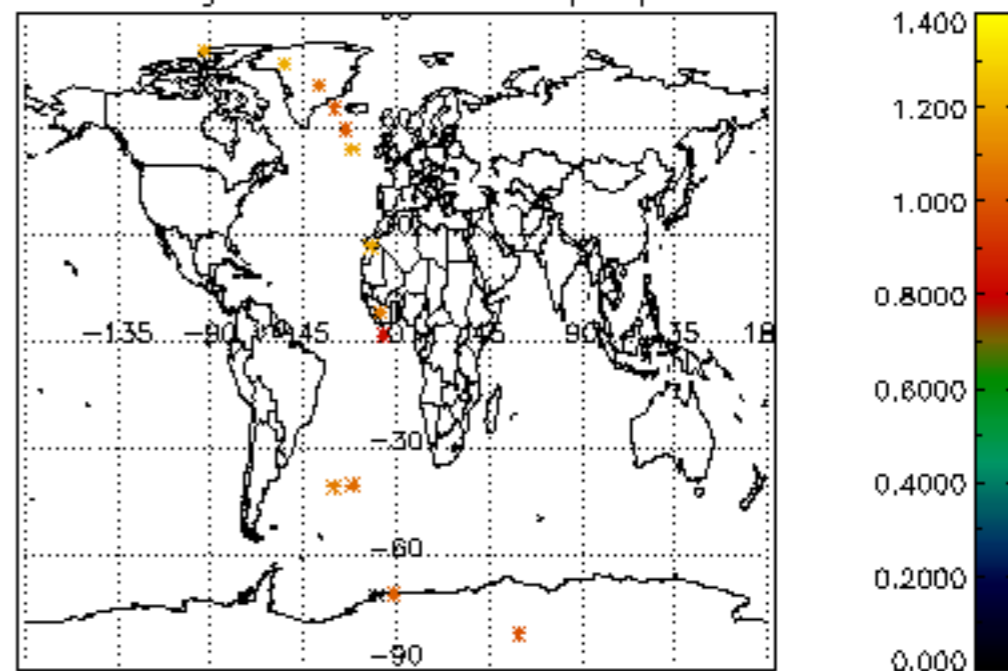




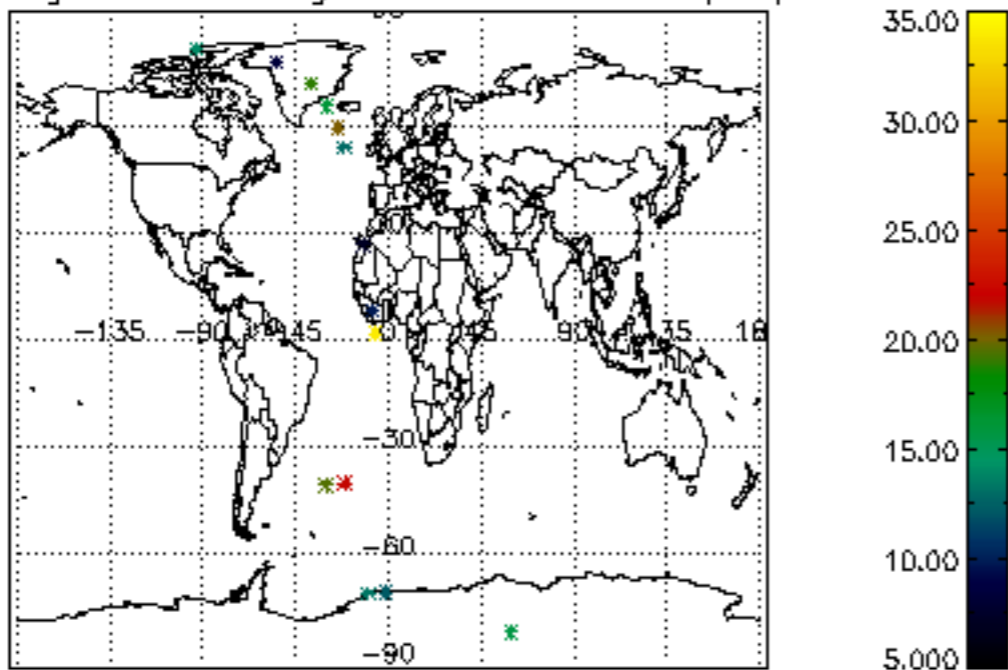
Percentage of cosmic ray hits per profile



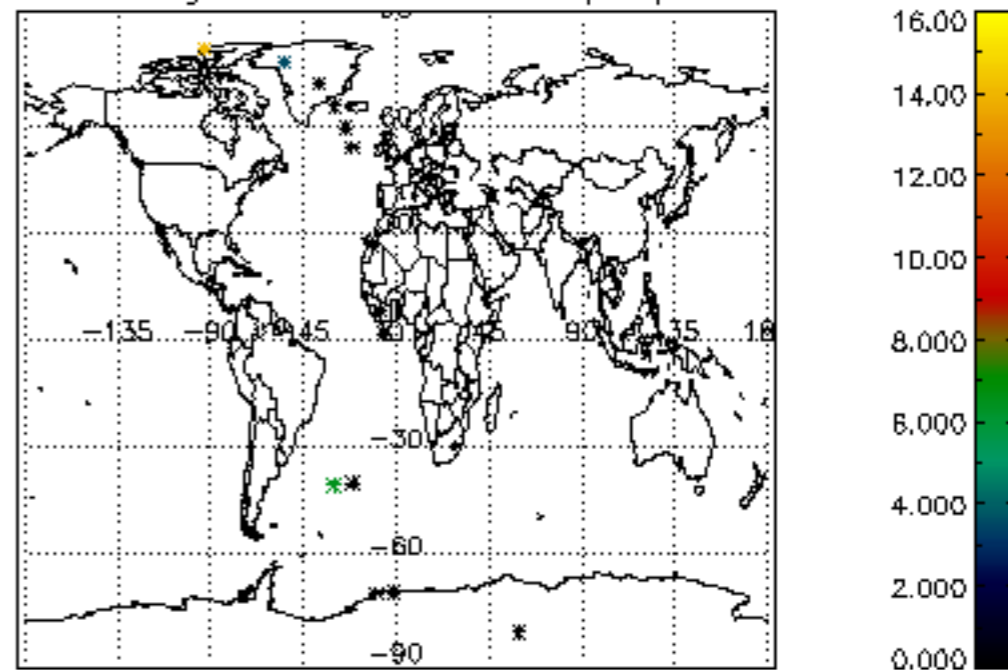
Percentage of datation errors per profile



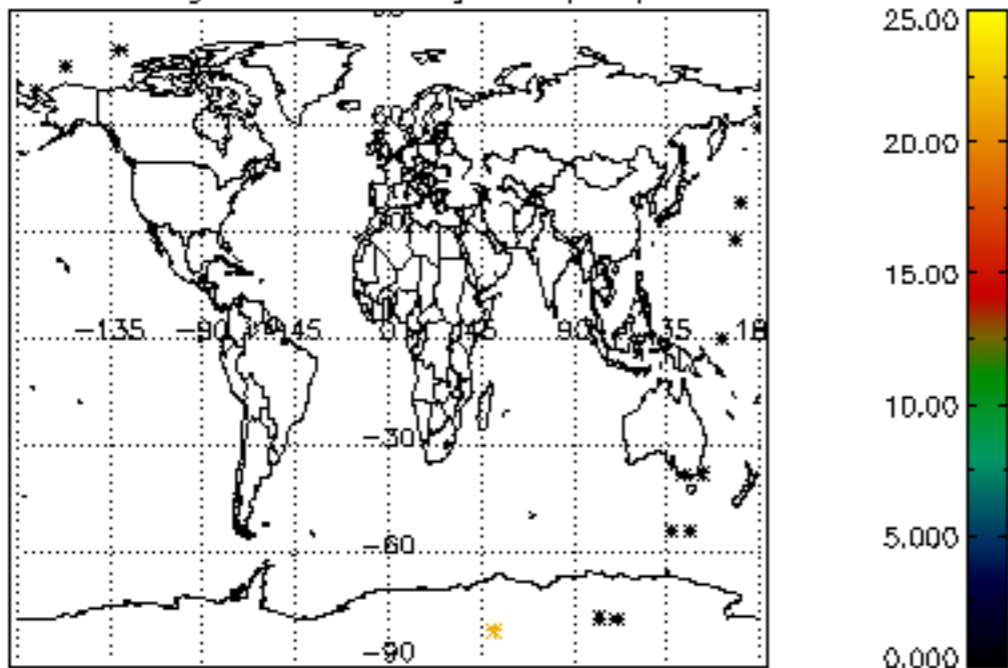
Percentage of star falling outside central band per profile



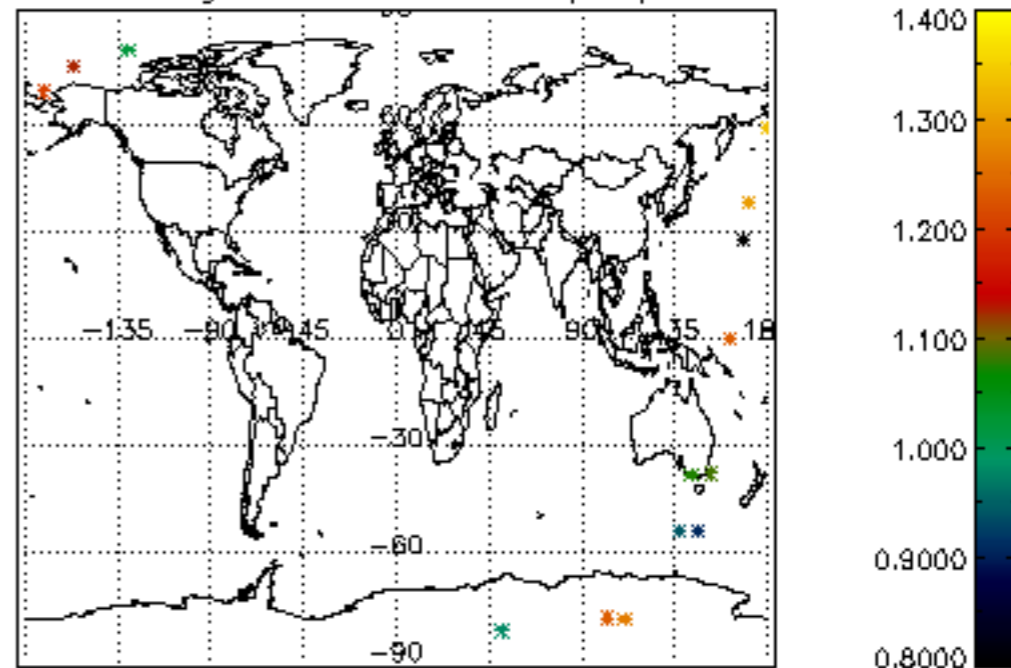
Percentage of saturation errors per profile



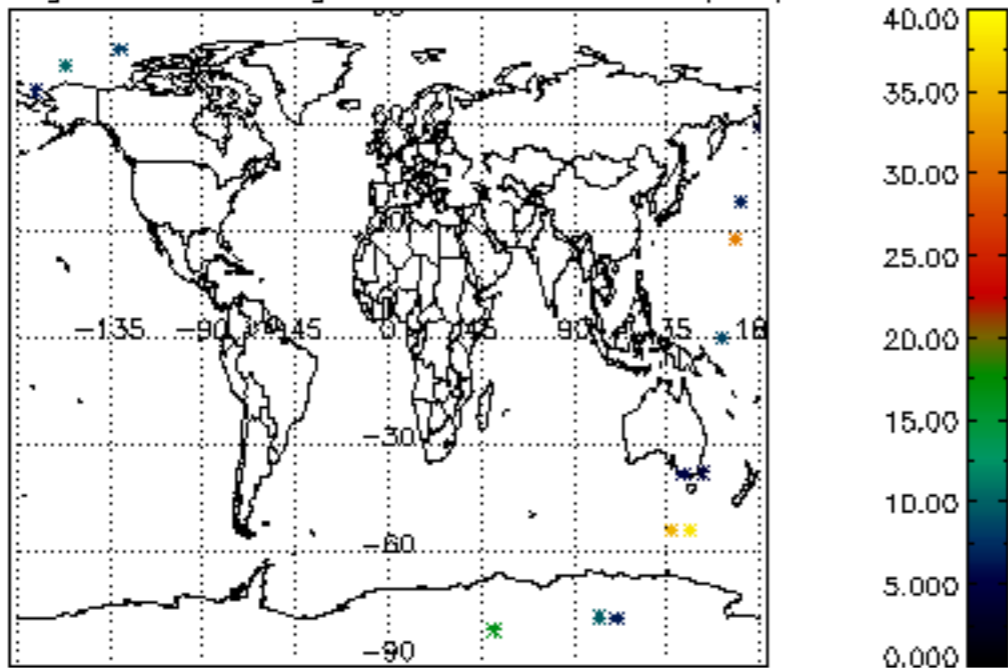
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

