

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	18APR2013 14:09:38
Data source version	GOMOS/6.01
Start time of products	01-03-2012 (01MAR2012 00:00:00)
Stop time of products	02-03-2012 (02MAR2012 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	34
Nb of prods with errors	0

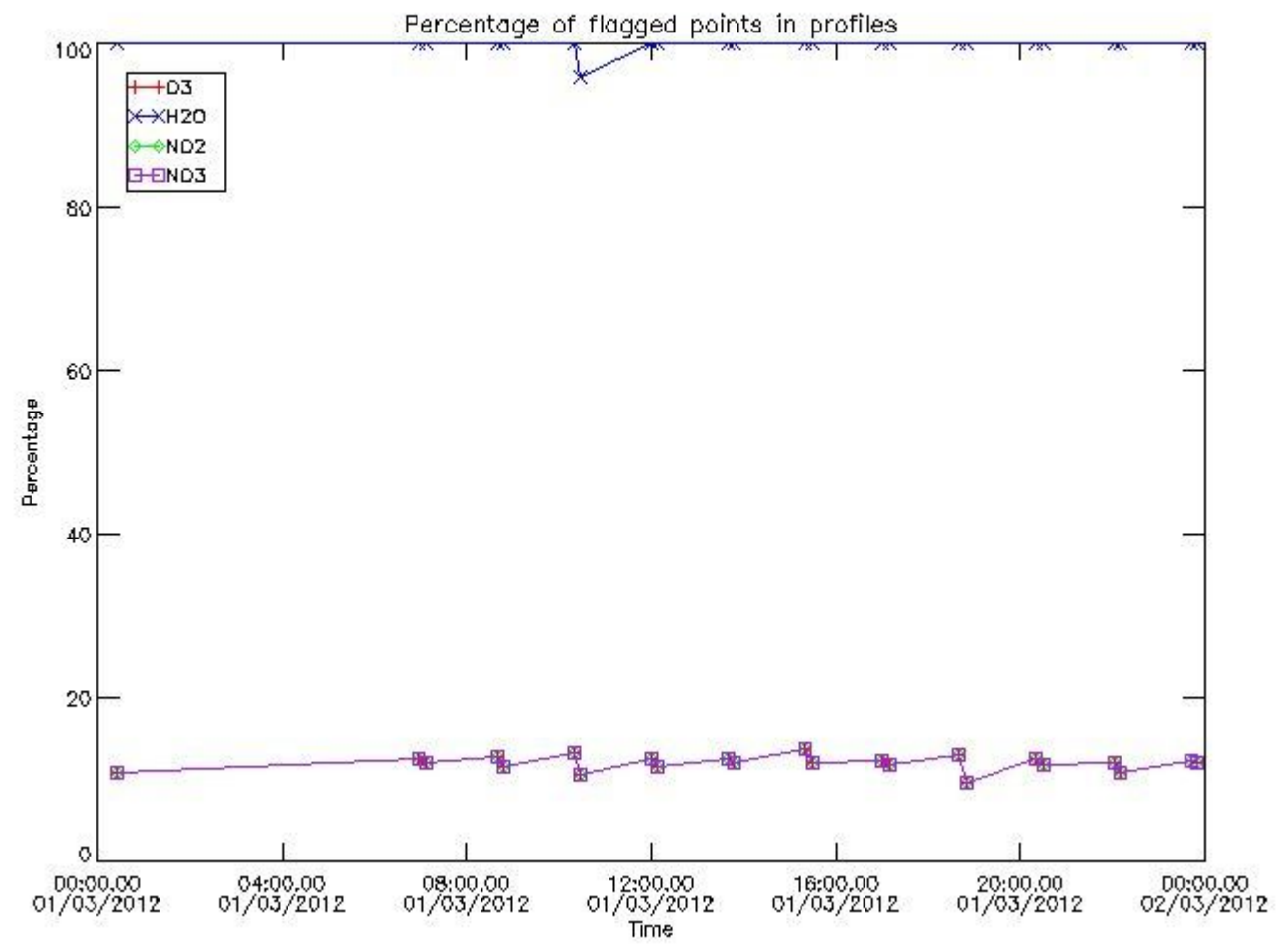
2. Summary of processed GOM_NL__2P products.

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20120301_002653_000000473112_00146_52315_8500.N1	01-MAR-2012 00:26:53	Dark	46.500	10	Bet Cen	0.61000	28000.	93	52315	No
2	GOM_NL__2PRFIN20120301_062846_000000363112_00149_52318_8614.N1	01-MAR-2012 06:28:46	Bright	35.500	144	18Del Cyg	2.8600	11000.	71	52318	No
3	GOM_NL__2PRFIN20120301_065848_000000413112_00149_52318_8615.N1	01-MAR-2012 06:58:48	Dark	41.000	147	Alp Ara	2.8770	26000.	82	52318	No
4	GOM_NL__2PRFIN20120301_070752_000000423112_00150_52319_8637.N1	01-MAR-2012 07:07:52	Dark	41.500	10	Bet Cen	0.61000	28000.	83	52319	No
5	GOM_NL__2PRFIN20120301_080901_000000363112_00150_52319_8638.N1	01-MAR-2012 08:09:01	Bright	36.000	144	18Del Cyg	2.8600	11000.	72	52319	No
6	GOM_NL__2PRFIN20120301_083904_000000403112_00150_52319_8639.N1	01-MAR-2012 08:39:04	Dark	40.000	147	Alp Ara	2.8770	26000.	80	52319	No
7	GOM_NL__2PRFIN20120301_084807_000000443112_00151_52320_8672.N1	01-MAR-2012 08:48:07	Dark	44.000	10	Bet Cen	0.61000	28000.	88	52320	No
8	GOM_NL__2PRFIN20120301_094915_000000363112_00151_52320_8673.N1	01-MAR-2012 09:49:15	Bright	36.000	144	18Del Cyg	2.8600	11000.	72	52320	No
9	GOM_NL__2PRFIN20120301_101918_000000393112_00151_52320_8674.N1	01-MAR-2012 10:19:18	Dark	38.500	147	Alp Ara	2.8770	26000.	77	52320	No
10	GOM_NL__2PRFIN20120301_102822_000000483112_00152_52321_8710.N1	01-MAR-2012 10:28:22	Dark	48.000	10	Bet Cen	0.61000	28000.	96	52321	No
11	GOM_NL__2PRFIN20120301_112928_000000373112_00152_52321_8711.N1	01-MAR-2012 11:29:28	Bright	36.500	144	18Del Cyg	2.8600	11000.	73	52321	No
12	GOM_NL__2PRFIN20120301_115932_000000413112_00152_52321_8712.N1	01-MAR-2012 11:59:32	Dark	41.000	147	Alp Ara	2.8770	26000.	82	52321	No
13	GOM_NL__2PRFIN20120301_120835_000000443112_00153_52322_8783.N1	01-MAR-2012 12:08:35	Dark	44.000	10	Bet Cen	0.61000	28000.	88	52322	No
14	GOM_NL__2PRFIN20120301_130942_000000373112_00153_52322_8784.N1	01-MAR-2012 13:09:42	Bright	37.000	144	18Del Cyg	2.8600	11000.	74	52322	No
15	GOM_NL__2PRFIN20120301_133946_000000413112_00153_52322_8785.N1	01-MAR-2012 13:39:46	Dark	40.500	147	Alp Ara	2.8770	26000.	81	52322	No
16	GOM_NL__2PRFIN20120301_134849_000000423112_00154_52323_8824.N1	01-MAR-2012 13:48:49	Dark	41.500	10	Bet Cen	0.61000	28000.	83	52323	No
17	GOM_NL__2PRFIN20120301_144956_000000413112_00154_52323_8825.N1	01-MAR-2012 14:49:56	Bright	41.000	144	18Del Cyg	2.8600	11000.	82	52323	No
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19	GOM_NL__2PRFIN20120301_152904_000000423112_00155_52324_8861.N1	01-MAR-2012 15:29:04	Dark	41.500	10	Bet Cen	0.61000	28000.	83	52324	No
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21	GOM_NL__2PRFIN20120301_170016_000000423112_00155_52324_8863.N1	01-MAR-2012 17:00:16	Dark	41.500	147	Alp Ara	2.8770	26000.	83	52324	No
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23	GOM_NL__2PRFIN20120301_181024_000000363112_00156_52325_8890.N1	01-MAR-2012 18:10:24	Bright	36.000	144	18Del Cyg	2.8600	11000.	72	52325	No
24	GOM_NL__2PRFIN20120301_184030_000000403112_00156_52325_8891.N1	01-MAR-2012 18:40:30	Dark	39.500	147	Alp Ara	2.8770	26000.	79	52325	No
25	GOM_NL__2PRFIN20120301_184933_000000533112_00157_52326_8919.N1	01-MAR-2012 18:49:33	Dark	52.500	10	Bet Cen	0.61000	28000.	105	52326	No
26	GOM_NL__2PRFIN20120301_195038_000000363112_00157_52326_8920.N1	01-MAR-2012 19:50:38	Bright	35.500	144	18Del Cyg	2.8600	11000.	71	52326	No
27	GOM_NL__2PRFIN20120301_202045_000000413112_00157_52326_8921.N1	01-MAR-2012 20:20:45	Dark	41.000	147	Alp Ara	2.8770	26000.	82	52326	No
28	GOM_NL__2PRFIN20120301_202948_000000473112_00158_52327_9059.N1	01-MAR-2012 20:29:48	Dark	47.000	10	Bet Cen	0.61000	28000.	94	52327	No
29	GOM_NL__2PRFIN20120301_213052_000000363112_00158_52327_9060.N1	01-MAR-2012 21:30:52	Bright	35.500	144	18Del Cyg	2.8600	11000.	71	52327	No
30	GOM_NL__2PRFIN20120301_220059_000000433112_00158_52327_9061.N1	01-MAR-2012 22:00:59	Dark	42.500	147	Alp Ara	2.8770	26000.	85	52327	No
31	GOM_NL__2PRFIN20120301_221002_000000473112_00159_52328_8993.N1	01-MAR-2012 22:10:02	Dark	46.500	10	Bet Cen	0.61000	28000.	93	52328	No
32	GOM_NL__2PRFIN20120301_231106_000000363112_00159_52328_8994.N1	01-MAR-2012 23:11:06	Bright	36.000	144	18Del Cyg	2.8600	11000.	72	52328	No
33	GOM_NL__2PRFIN20120301_234114_000000423112_00159_52328_8995.N1	01-MAR-2012 23:41:14	Dark	41.500	147	Alp Ara	2.8770	26000.	83	52328	No
34	GOM_NL__2PRFIN20120301_235016_000000433112_00160_52329_9009.N1	01-MAR-2012 23:50:16	Dark	42.500	10	Bet Cen	0.61000	28000.	85	52329	No

3. Quality information per product

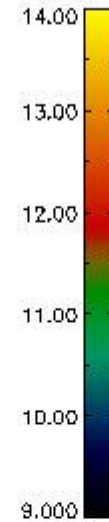
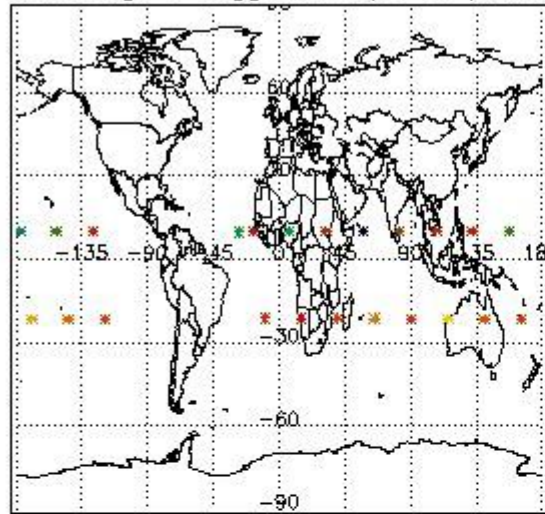
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

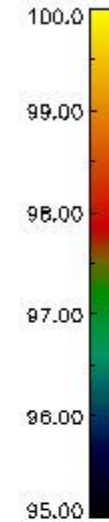
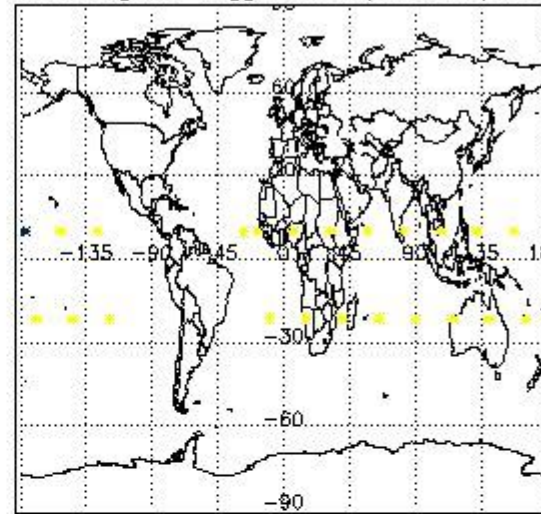


3.2 Plot quality information per product (world map)

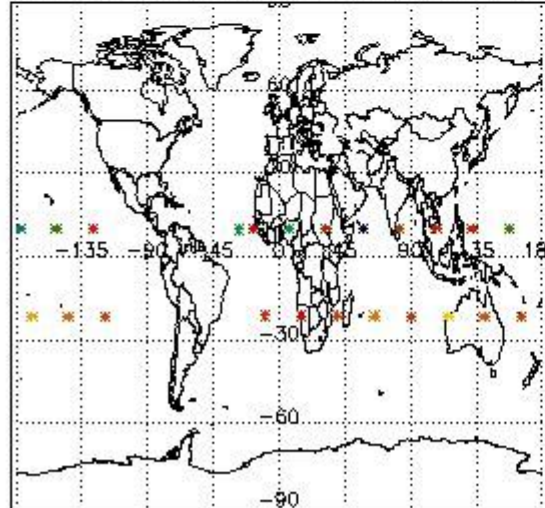
Percentage of flagged data per O3 profile



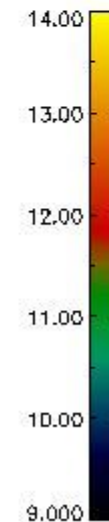
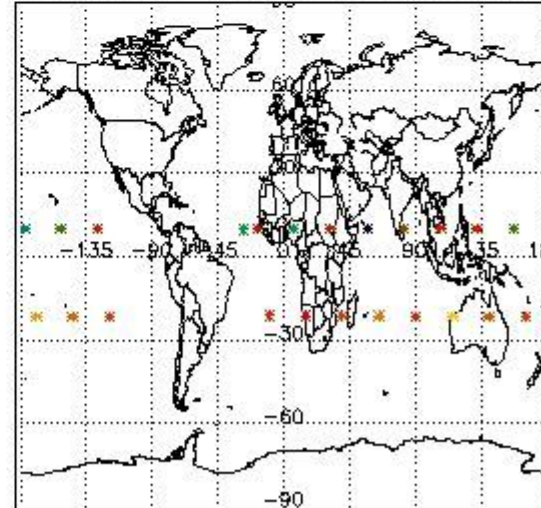
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

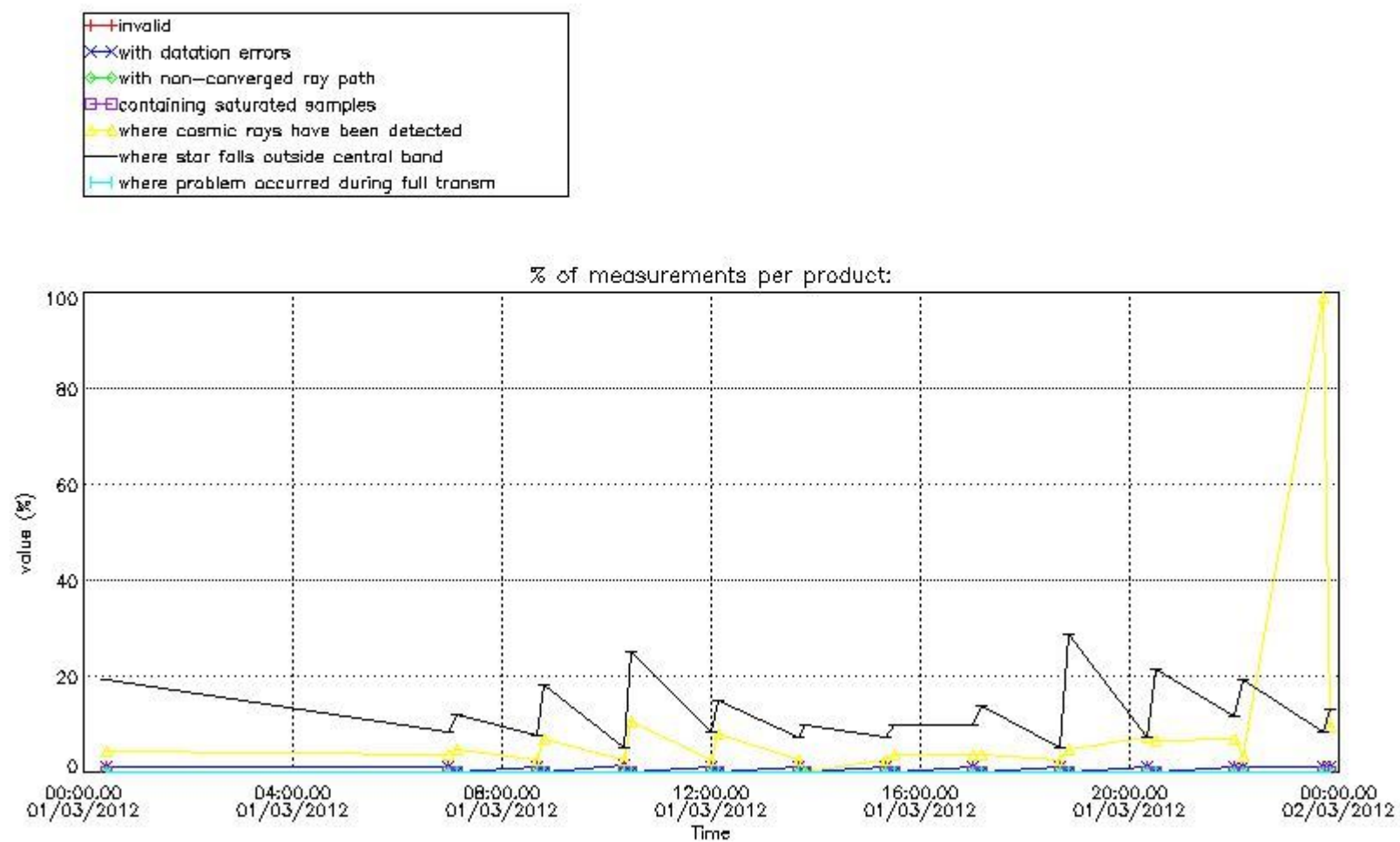


4. Level 1 quality information per product

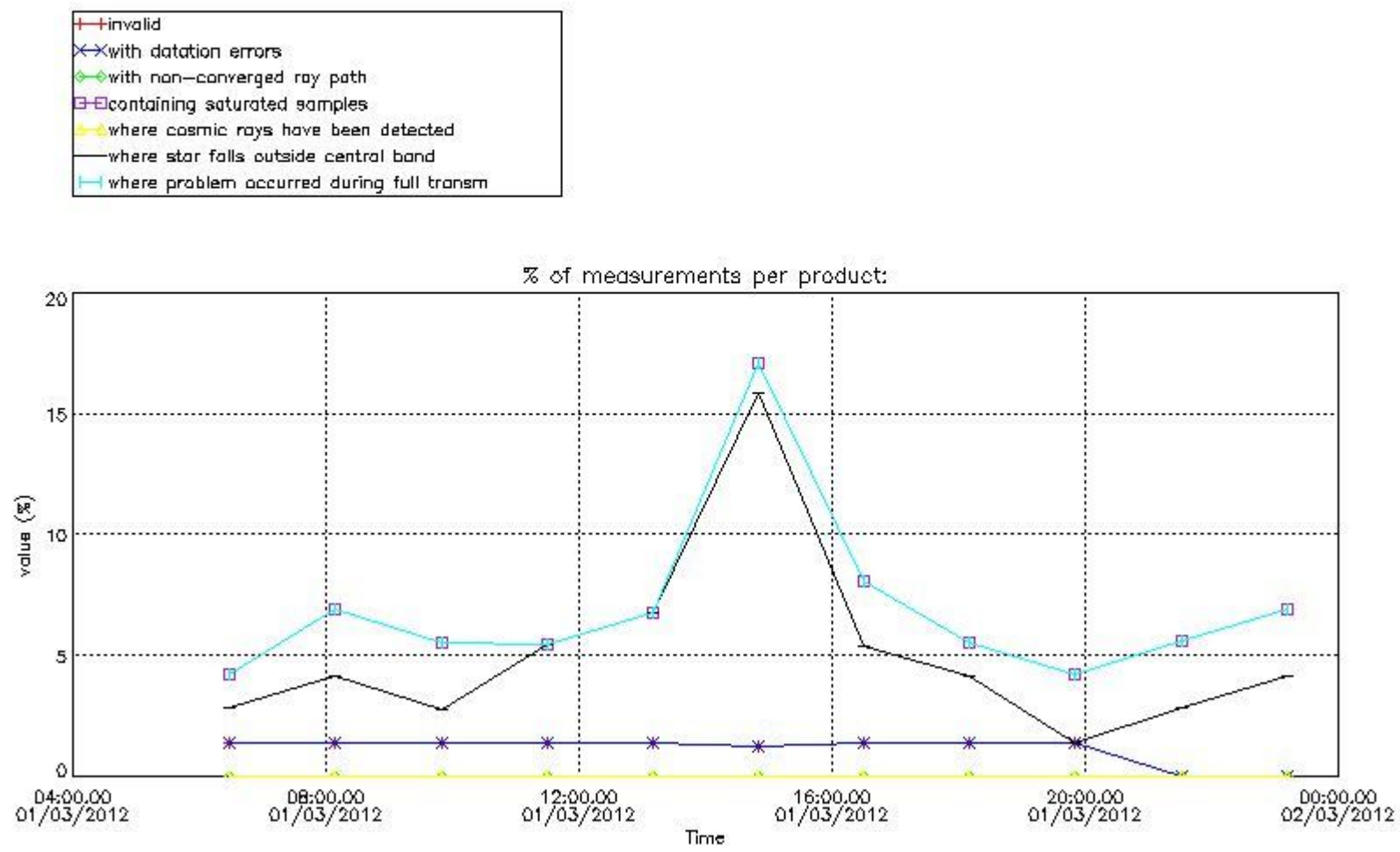
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



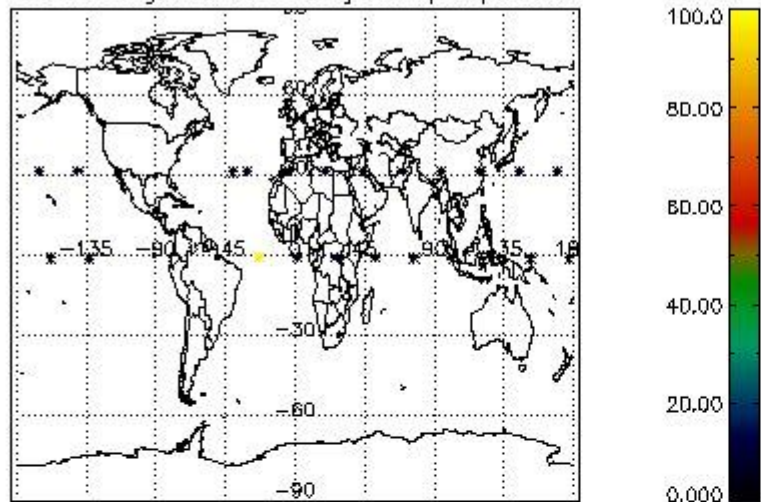
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



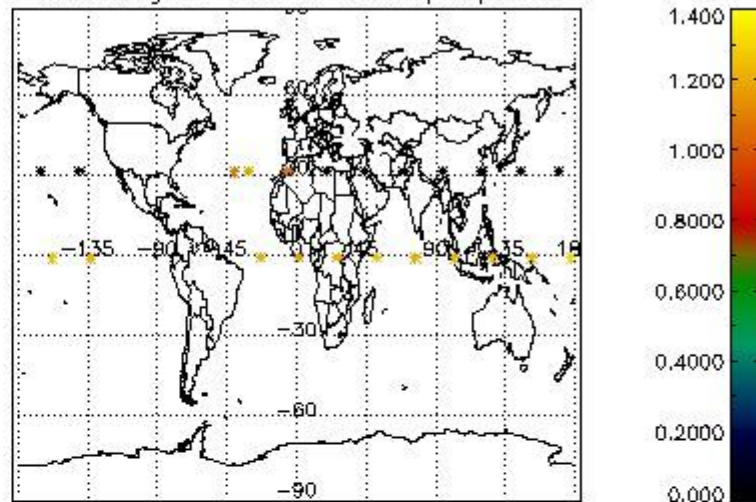
4.2 Plot quality information per product coming from level 1b processing (world map)

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

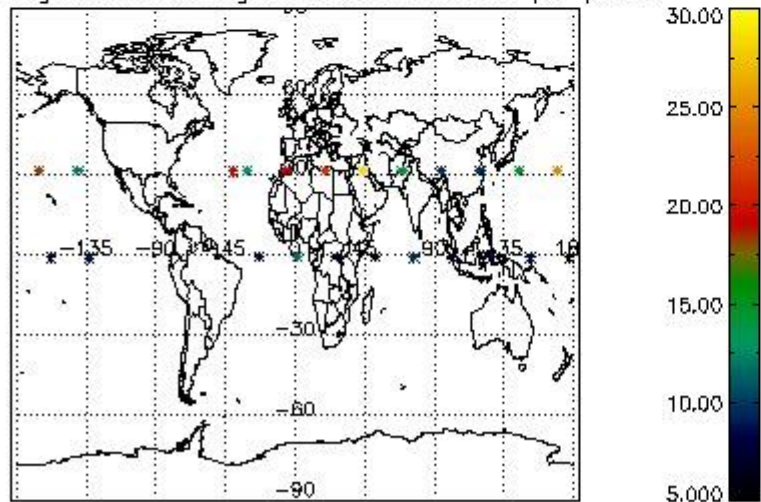
Percentage of cosmic ray hits per profile



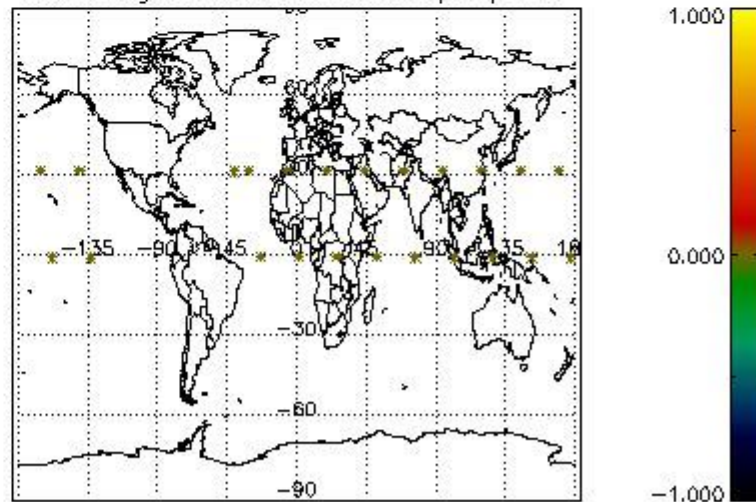
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

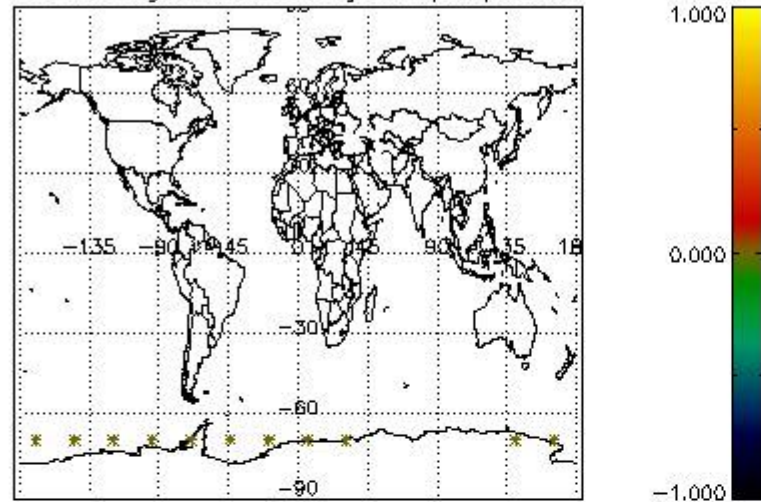


Percentage of saturation errors per profile

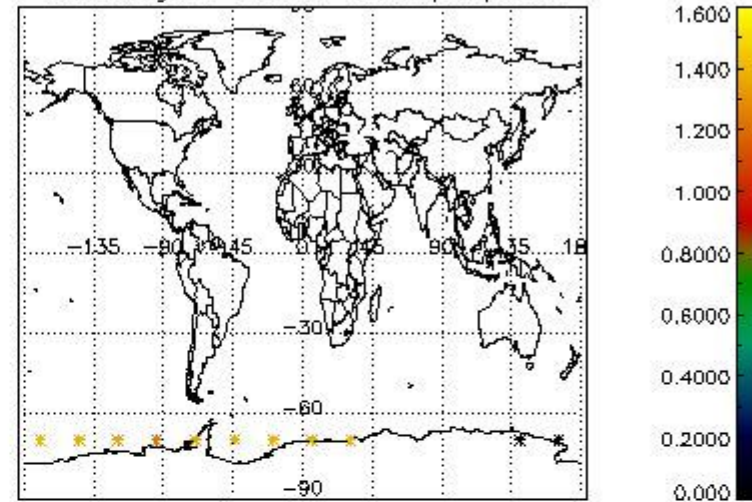


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

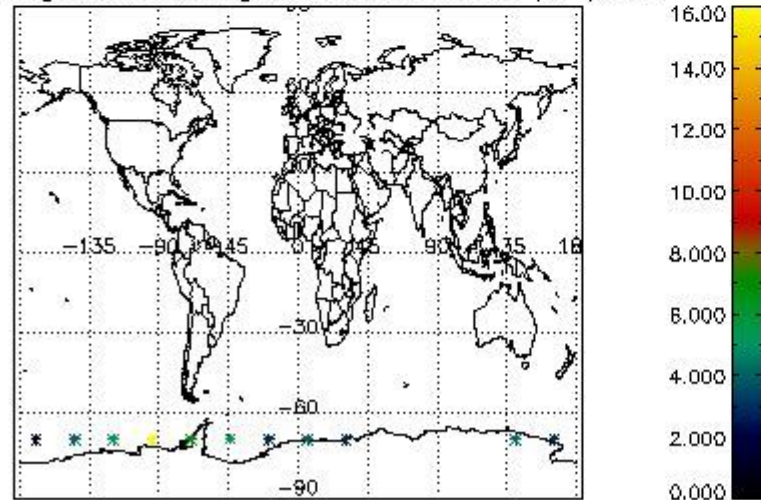
Percentage of cosmic ray hits per profile



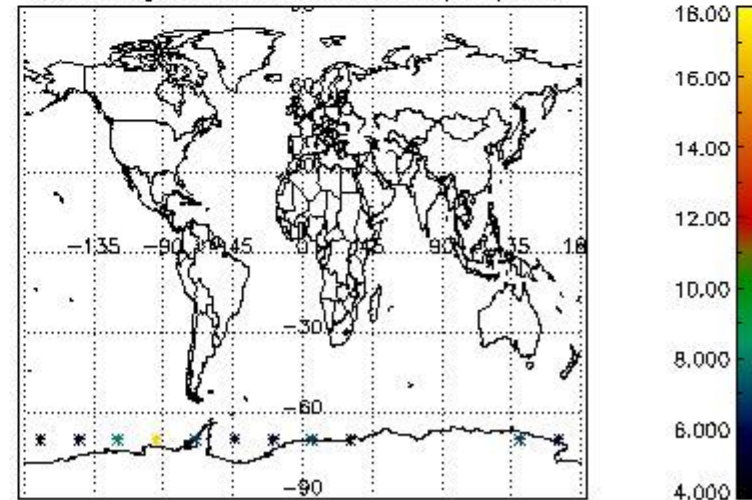
Percentage of datation errors per profile



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

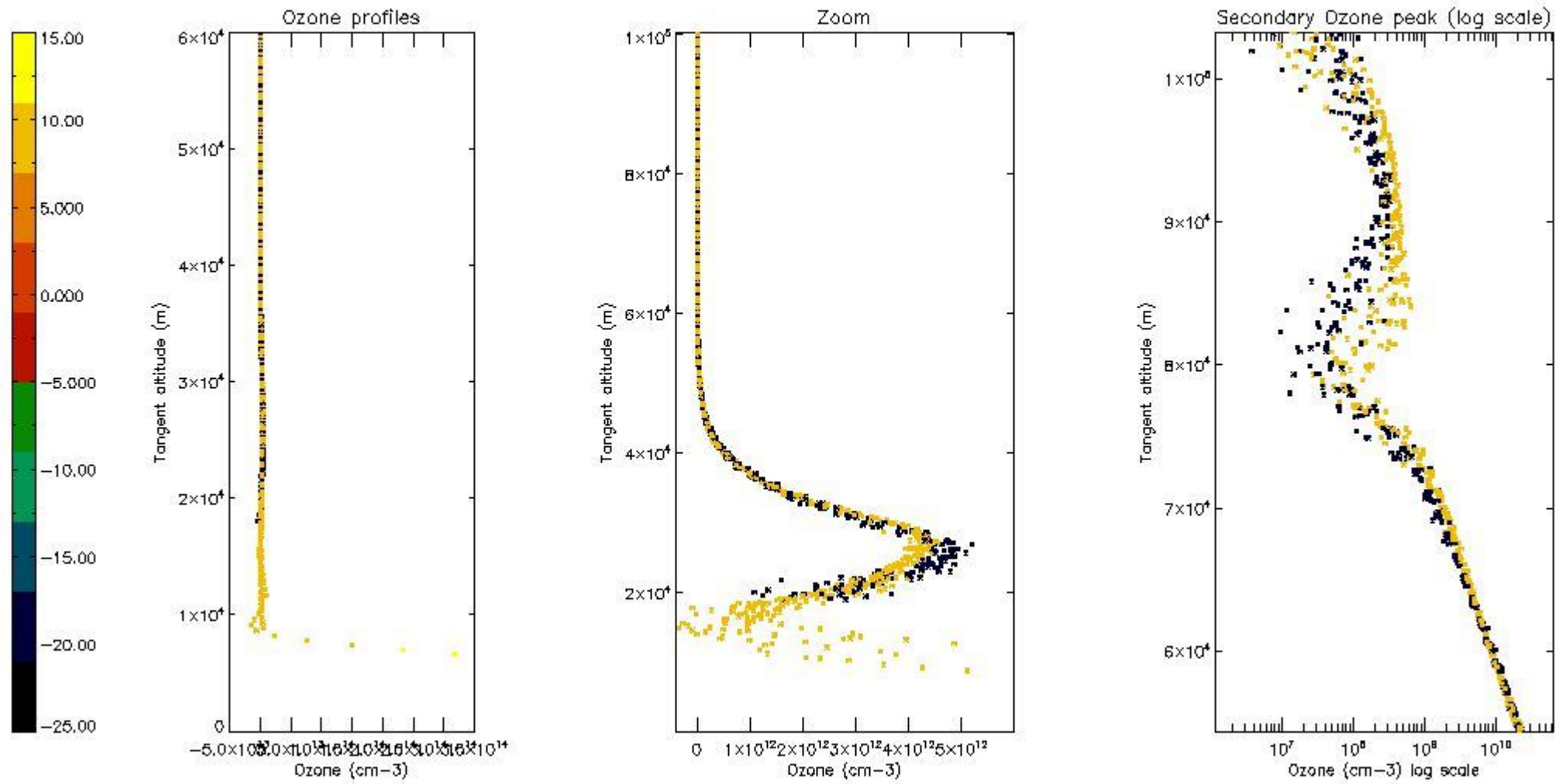
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	72
STD < 20	48

STD < 10	44
STD < 5	35

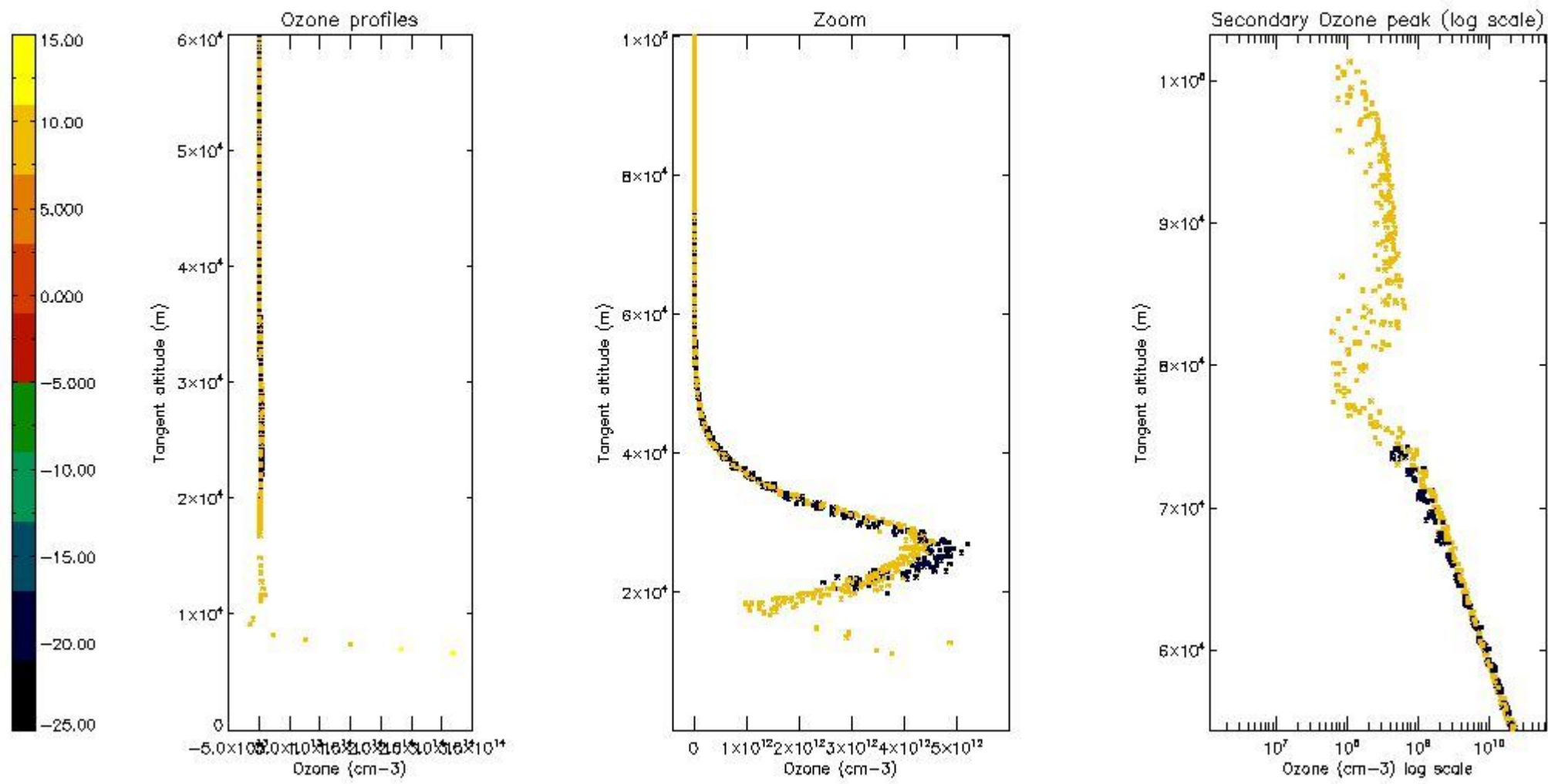
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



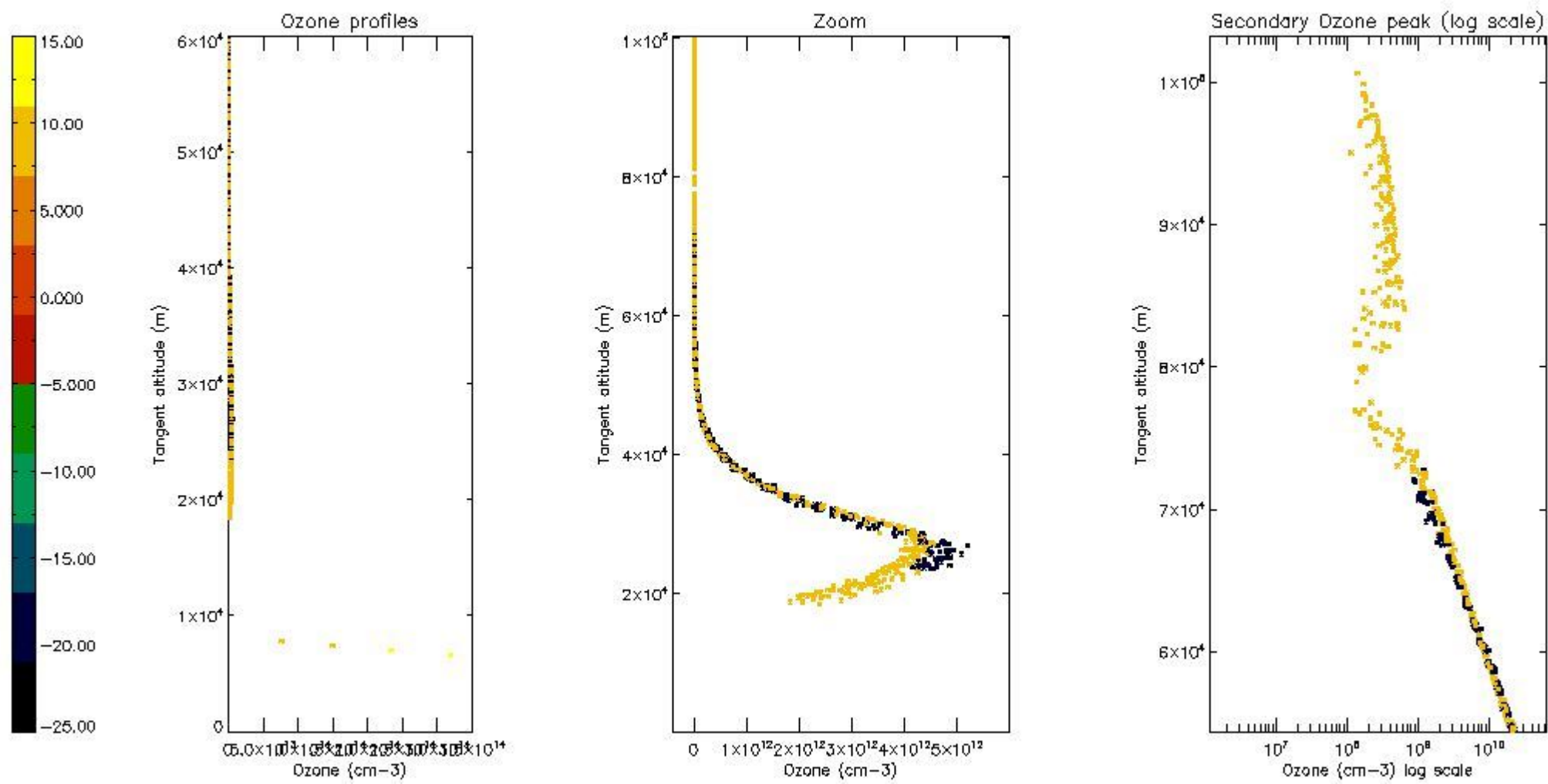
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



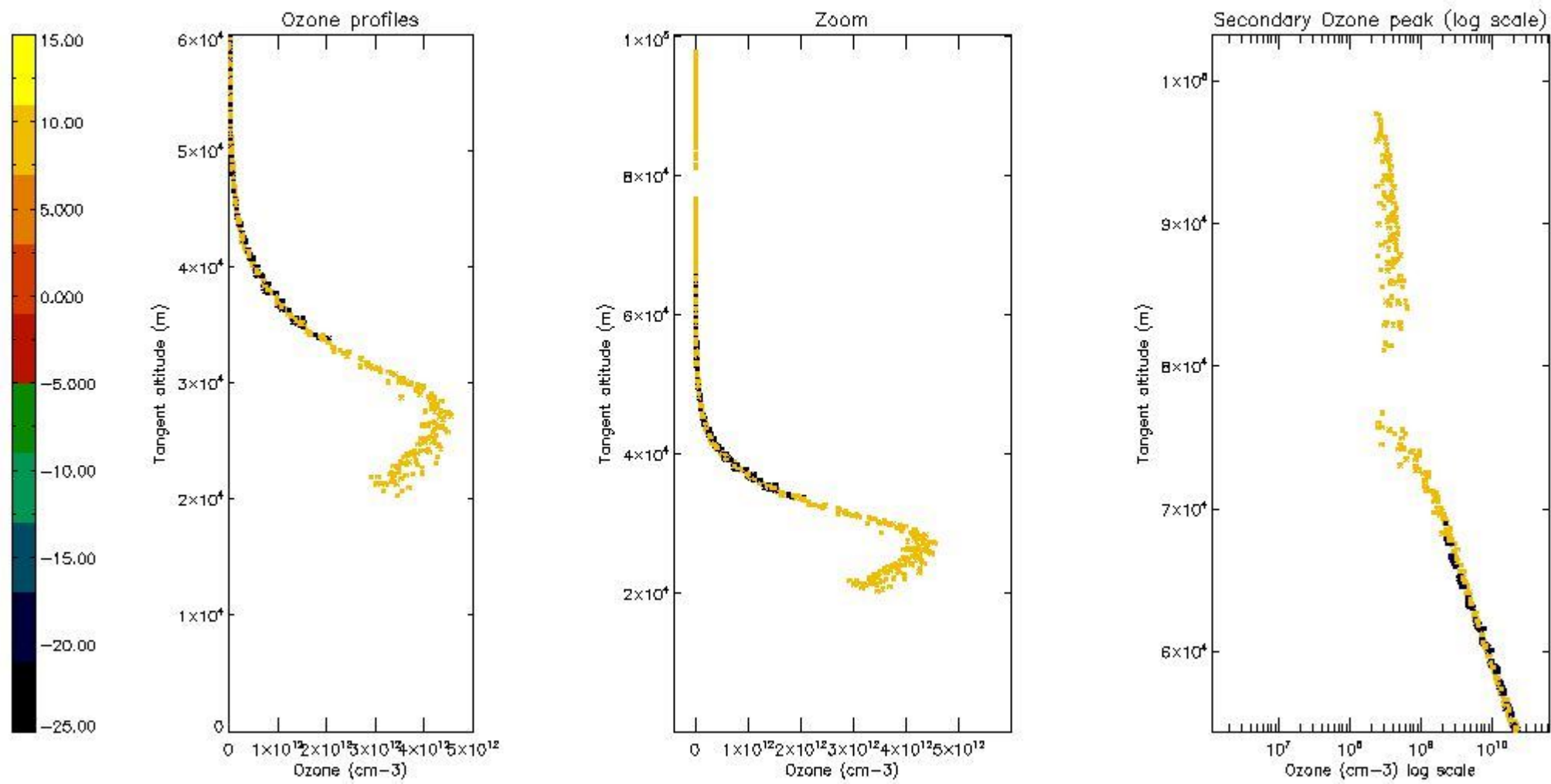
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



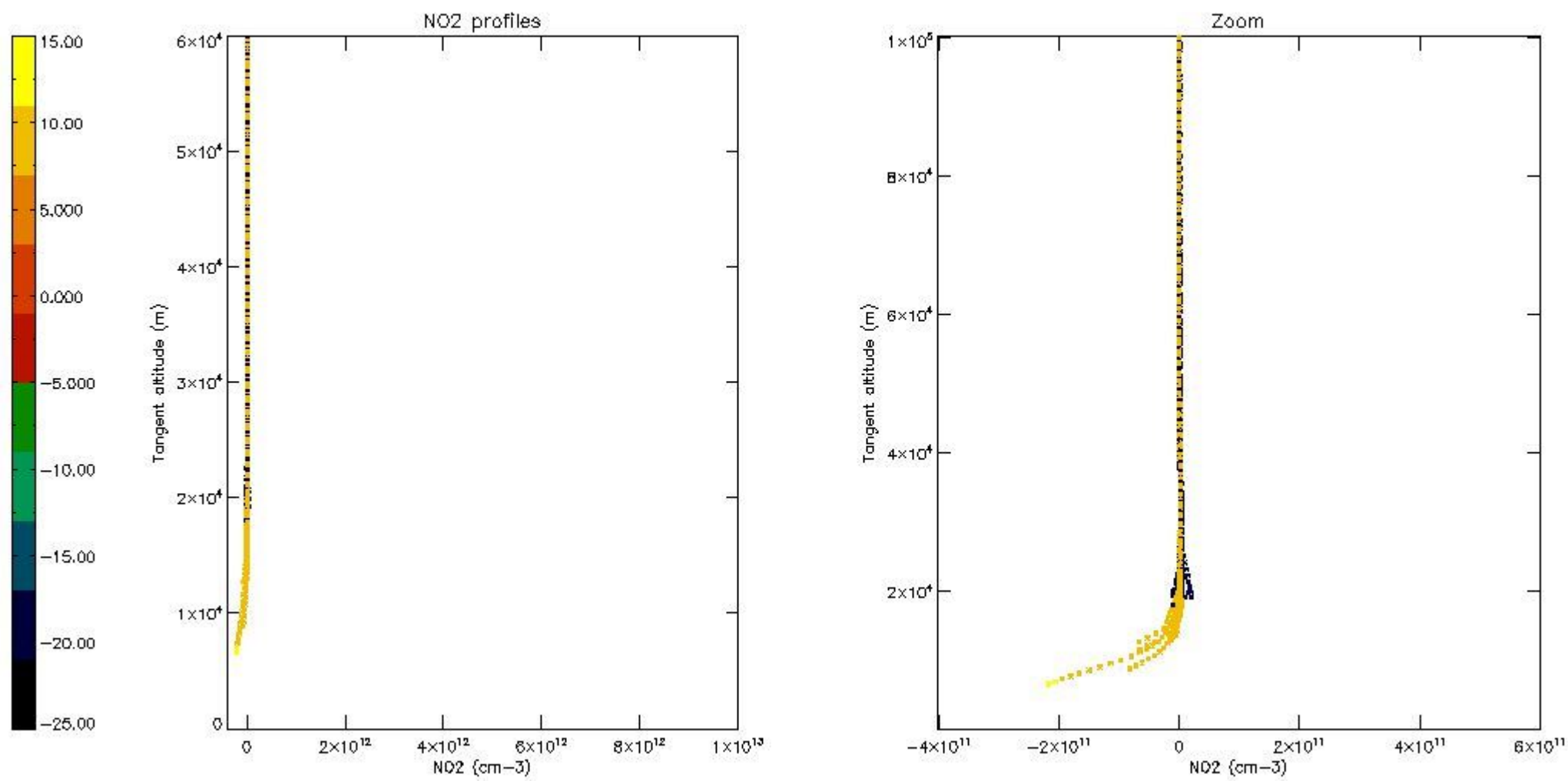
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



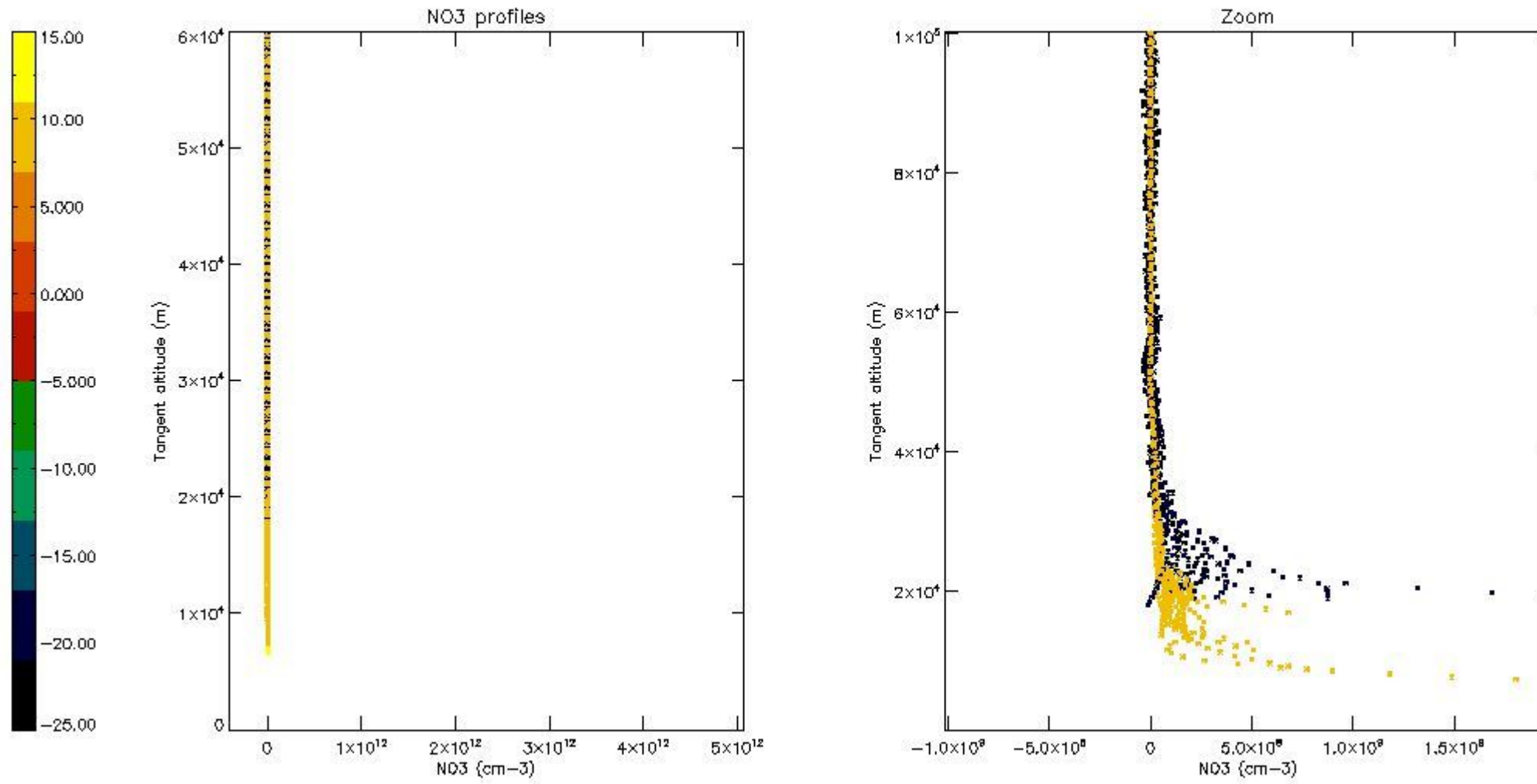
5.6 Plot NO₂ profiles for all STD (dark without errors)

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_AXVIEC20111213_163131_20111215_000000_20500101_000000	1	01-MAR-2012 00:26:53
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	01-MAR-2012 00:26:53
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	01-MAR-2012 00:26:53

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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.

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Data source version	GOMOS/6.01
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Store outputs in DB	Yes
Nb of level 2 prods	34
Nb of prods with errors	0

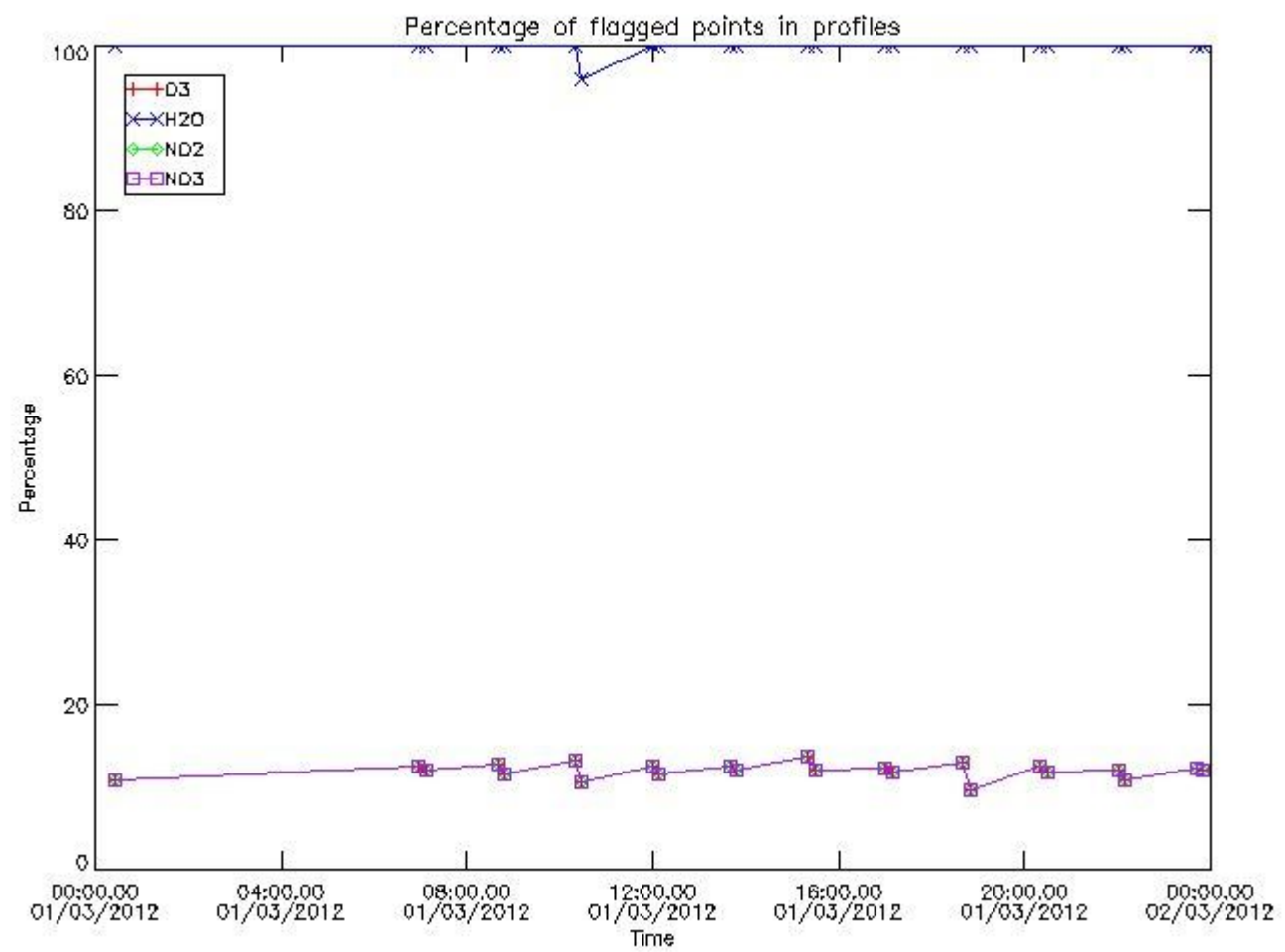
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Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20120301_002653_000000473112_00146_52315_8500.N1	01-MAR-2012 00:26:53	Dark	46.500	10	Bet Cen	0.61000	28000.	93	52315	No
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7	GOM_NL__2PRFIN20120301_084807_000000443112_00151_52320_8672.N1	01-MAR-2012 08:48:07	Dark	44.000	10	Bet Cen	0.61000	28000.	88	52320	No
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10	GOM_NL__2PRFIN20120301_102822_000000483112_00152_52321_8710.N1	01-MAR-2012 10:28:22	Dark	48.000	10	Bet Cen	0.61000	28000.	96	52321	No
11	GOM_NL__2PRFIN20120301_112928_000000373112_00152_52321_8711.N1	01-MAR-2012 11:29:28	Bright	36.500	144	18Del Cyg	2.8600	11000.	73	52321	No
12	GOM_NL__2PRFIN20120301_115932_000000413112_00152_52321_8712.N1	01-MAR-2012 11:59:32	Dark	41.000	147	Alp Ara	2.8770	26000.	82	52321	No
13	GOM_NL__2PRFIN20120301_120835_000000443112_00153_52322_8783.N1	01-MAR-2012 12:08:35	Dark	44.000	10	Bet Cen	0.61000	28000.	88	52322	No
14	GOM_NL__2PRFIN20120301_130942_000000373112_00153_52322_8784.N1	01-MAR-2012 13:09:42	Bright	37.000	144	18Del Cyg	2.8600	11000.	74	52322	No
15	GOM_NL__2PRFIN20120301_133946_000000413112_00153_52322_8785.N1	01-MAR-2012 13:39:46	Dark	40.500	147	Alp Ara	2.8770	26000.	81	52322	No
16	GOM_NL__2PRFIN20120301_134849_000000423112_00154_52323_8824.N1	01-MAR-2012 13:48:49	Dark	41.500	10	Bet Cen	0.61000	28000.	83	52323	No
17	GOM_NL__2PRFIN20120301_144956_000000413112_00154_52323_8825.N1	01-MAR-2012 14:49:56	Bright	41.000	144	18Del Cyg	2.8600	11000.	82	52323	No
18	GOM_NL__2PRFIN20120301_152001_000000413112_00154_52323_8826.N1	01-MAR-2012 15:20:01	Dark	41.000	147	Alp Ara	2.8770	26000.	82	52323	No
19	GOM_NL__2PRFIN20120301_152904_000000423112_00155_52324_8861.N1	01-MAR-2012 15:29:04	Dark	41.500	10	Bet Cen	0.61000	28000.	83	52324	No
20	GOM_NL__2PRFIN20120301_163010_000000373112_00155_52324_8862.N1	01-MAR-2012 16:30:10	Bright	37.000	144	18Del Cyg	2.8600	11000.	74	52324	No
21	GOM_NL__2PRFIN20120301_170016_000000423112_00155_52324_8863.N1	01-MAR-2012 17:00:16	Dark	41.500	147	Alp Ara	2.8770	26000.	83	52324	No
22	GOM_NL__2PRFIN20120301_170918_000000433112_00156_52325_8889.N1	01-MAR-2012 17:09:18	Dark	43.000	10	Bet Cen	0.61000	28000.	86	52325	No
23	GOM_NL__2PRFIN20120301_181024_000000363112_00156_52325_8890.N1	01-MAR-2012 18:10:24	Bright	36.000	144	18Del Cyg	2.8600	11000.	72	52325	No
24	GOM_NL__2PRFIN20120301_184030_000000403112_00156_52325_8891.N1	01-MAR-2012 18:40:30	Dark	39.500	147	Alp Ara	2.8770	26000.	79	52325	No
25	GOM_NL__2PRFIN20120301_184933_000000533112_00157_52326_8919.N1	01-MAR-2012 18:49:33	Dark	52.500	10	Bet Cen	0.61000	28000.	105	52326	No
26	GOM_NL__2PRFIN20120301_195038_000000363112_00157_52326_8920.N1	01-MAR-2012 19:50:38	Bright	35.500	144	18Del Cyg	2.8600	11000.	71	52326	No
27	GOM_NL__2PRFIN20120301_202045_000000413112_00157_52326_8921.N1	01-MAR-2012 20:20:45	Dark	41.000	147	Alp Ara	2.8770	26000.	82	52326	No
28	GOM_NL__2PRFIN20120301_202948_000000473112_00158_52327_9059.N1	01-MAR-2012 20:29:48	Dark	47.000	10	Bet Cen	0.61000	28000.	94	52327	No
29	GOM_NL__2PRFIN20120301_213052_000000363112_00158_52327_9060.N1	01-MAR-2012 21:30:52	Bright	35.500	144	18Del Cyg	2.8600	11000.	71	52327	No
30	GOM_NL__2PRFIN20120301_220059_000000433112_00158_52327_9061.N1	01-MAR-2012 22:00:59	Dark	42.500	147	Alp Ara	2.8770	26000.	85	52327	No
31	GOM_NL__2PRFIN20120301_221002_000000473112_00159_52328_8993.N1	01-MAR-2012 22:10:02	Dark	46.500	10	Bet Cen	0.61000	28000.	93	52328	No
32	GOM_NL__2PRFIN20120301_231106_000000363112_00159_52328_8994.N1	01-MAR-2012 23:11:06	Bright	36.000	144	18Del Cyg	2.8600	11000.	72	52328	No
33	GOM_NL__2PRFIN20120301_234114_000000423112_00159_52328_8995.N1	01-MAR-2012 23:41:14	Dark	41.500	147	Alp Ara	2.8770	26000.	83	52328	No
34	GOM_NL__2PRFIN20120301_235016_000000433112_00160_52329_9009.N1	01-MAR-2012 23:50:16	Dark	42.500	10	Bet Cen	0.61000	28000.	85	52329	No

3. Quality information per product

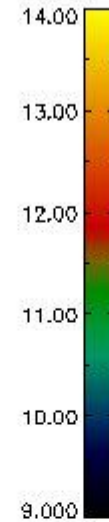
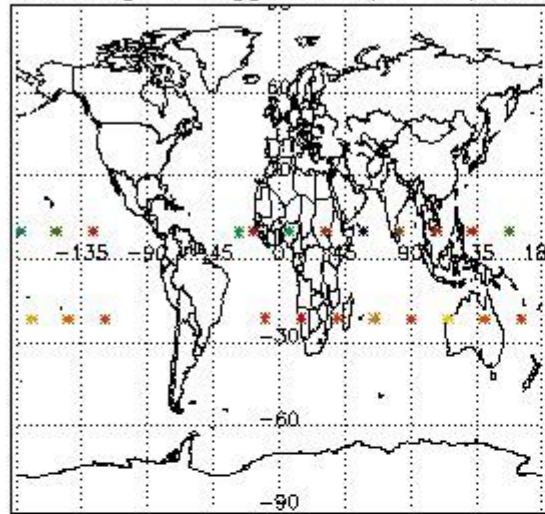
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

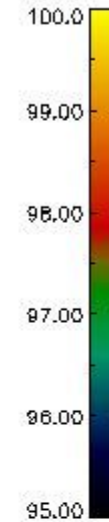
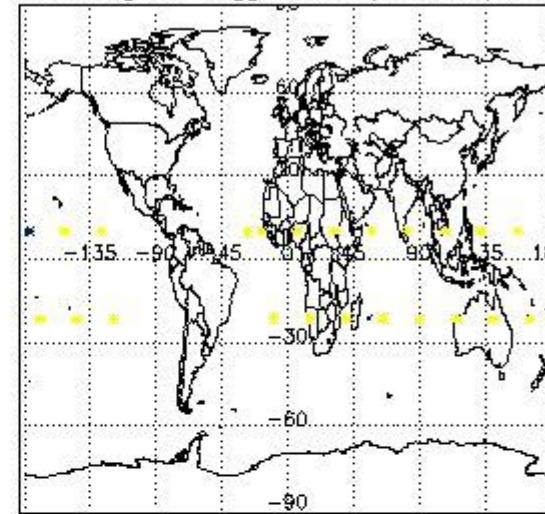


3.2 Plot quality information per product (world map)

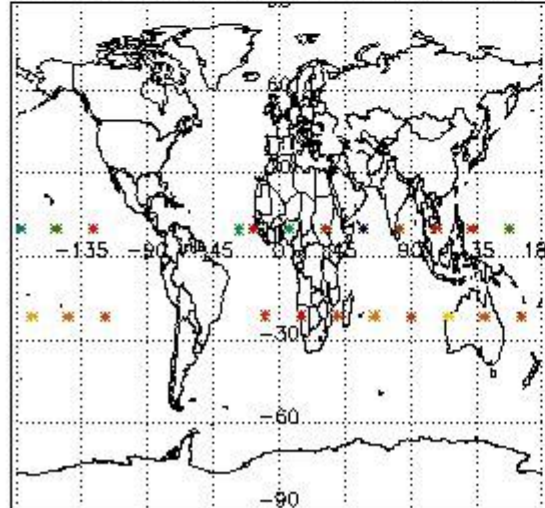
Percentage of flagged data per O3 profile



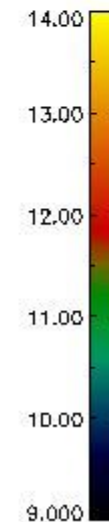
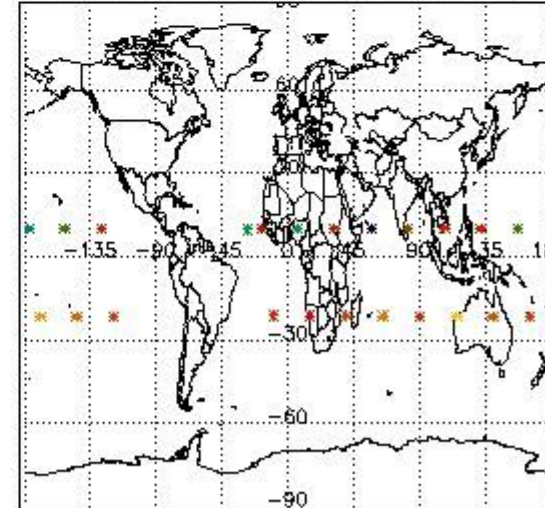
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

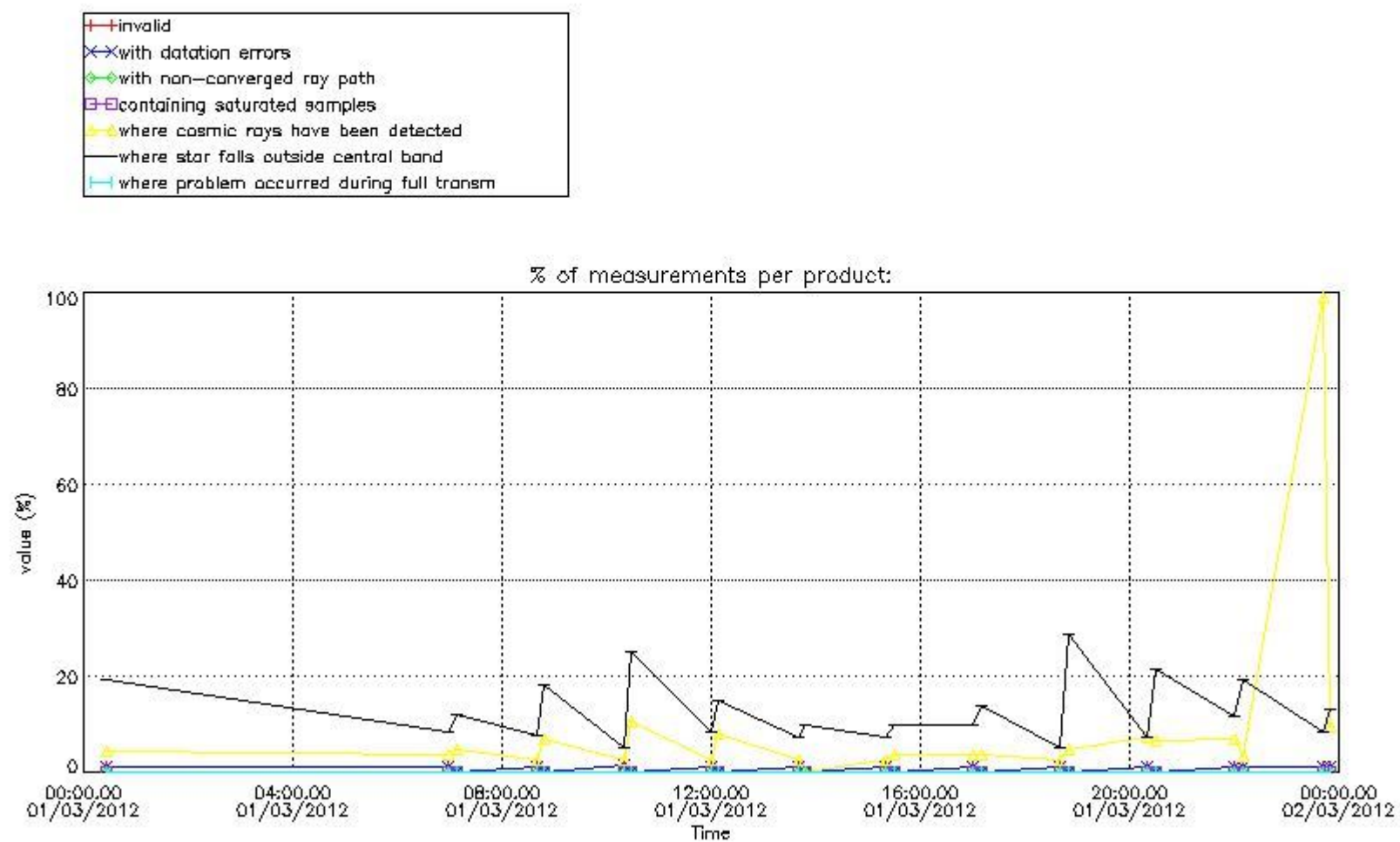


4. Level 1 quality information per product

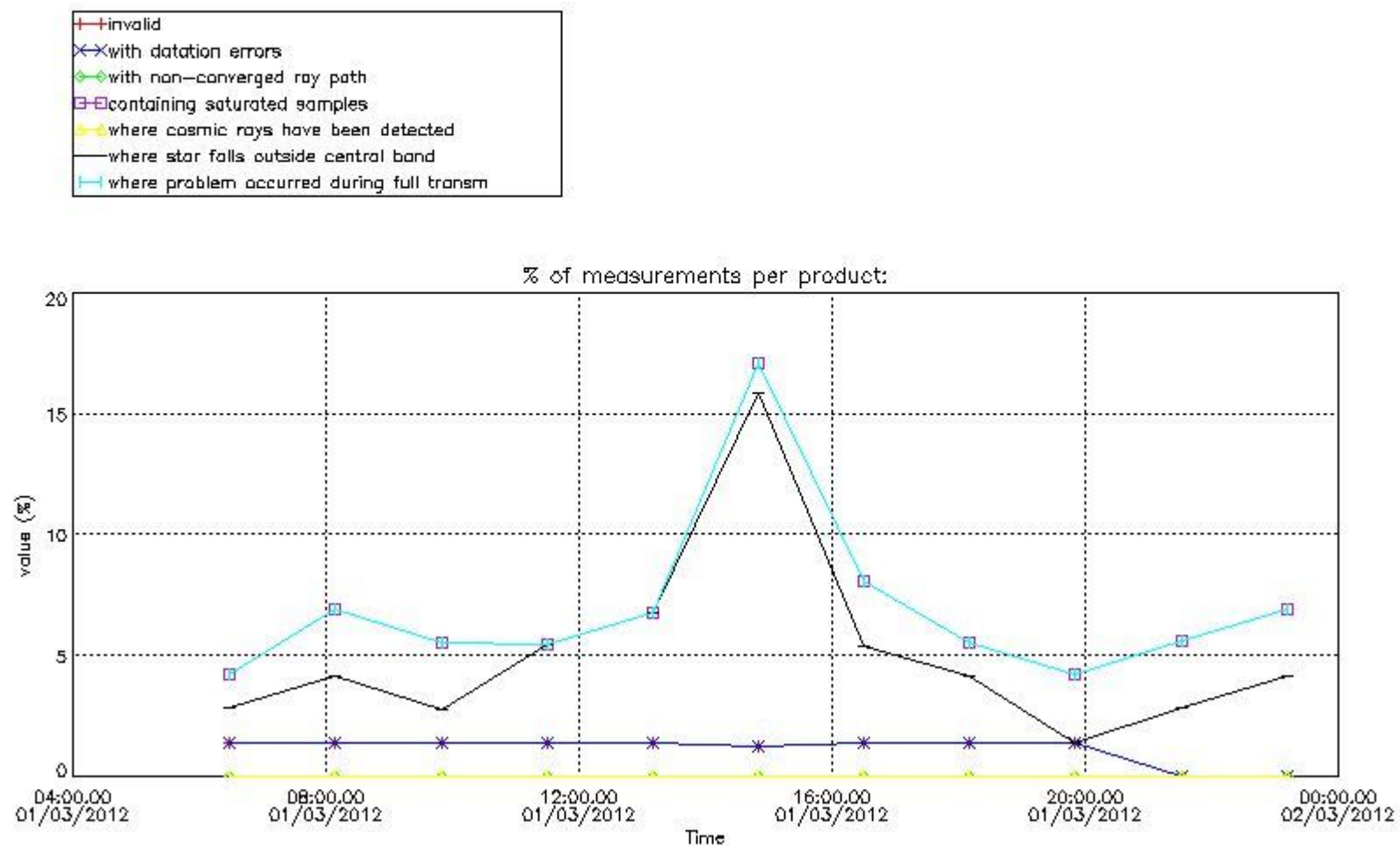
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



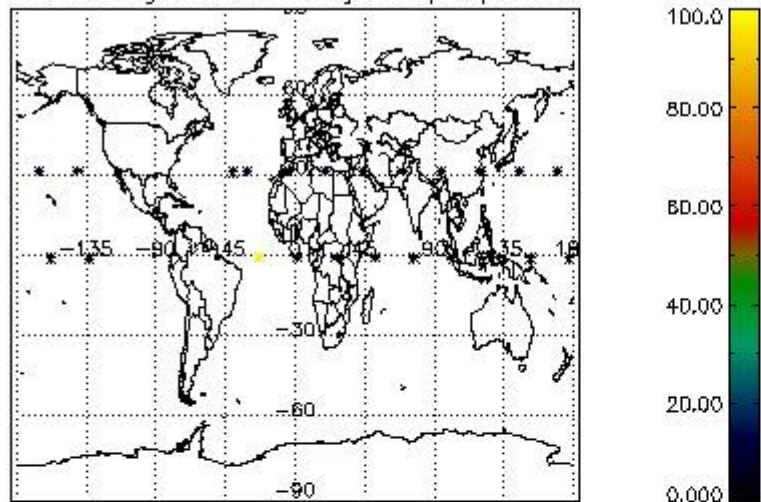
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



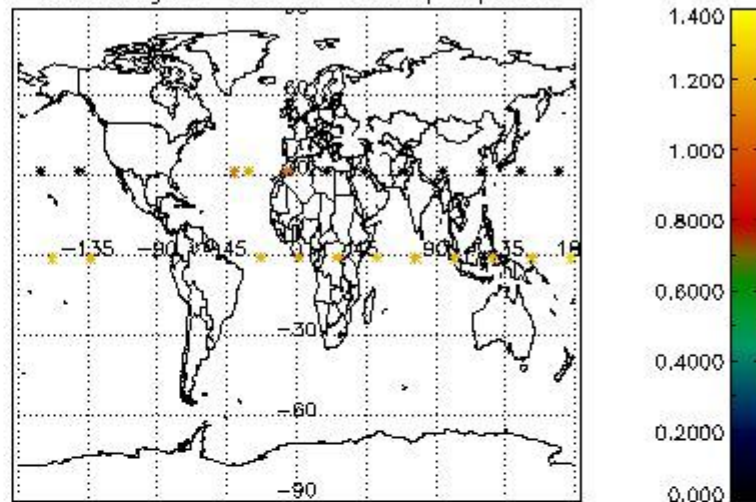
4.2 Plot quality information per product coming from level 1b processing (world map)

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

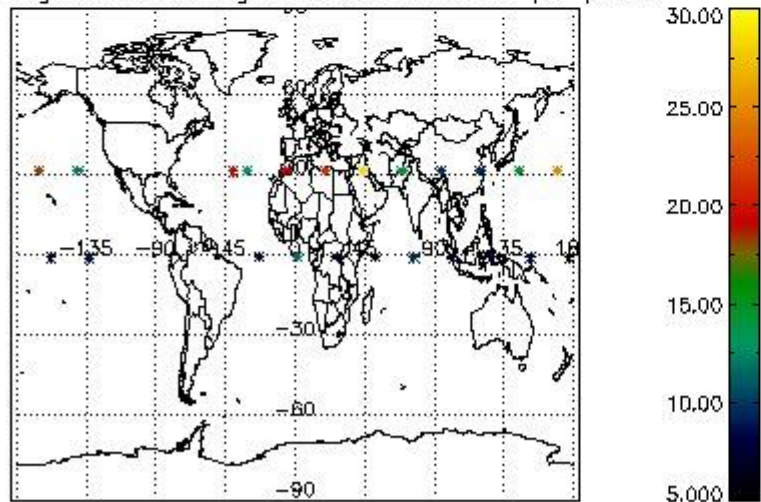
Percentage of cosmic ray hits per profile



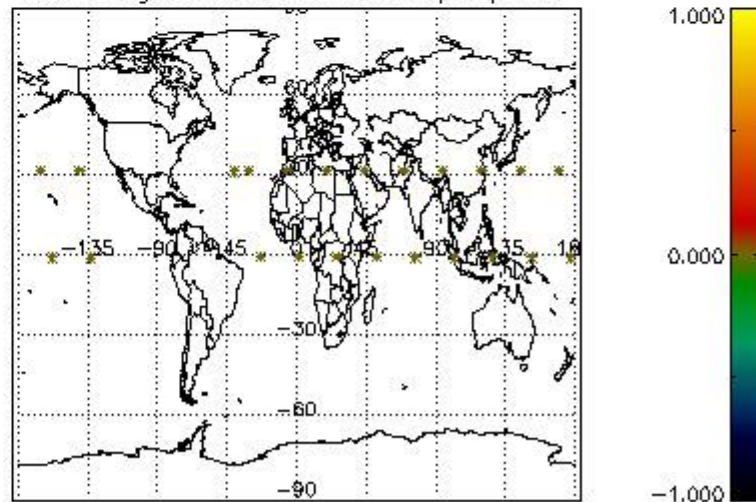
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

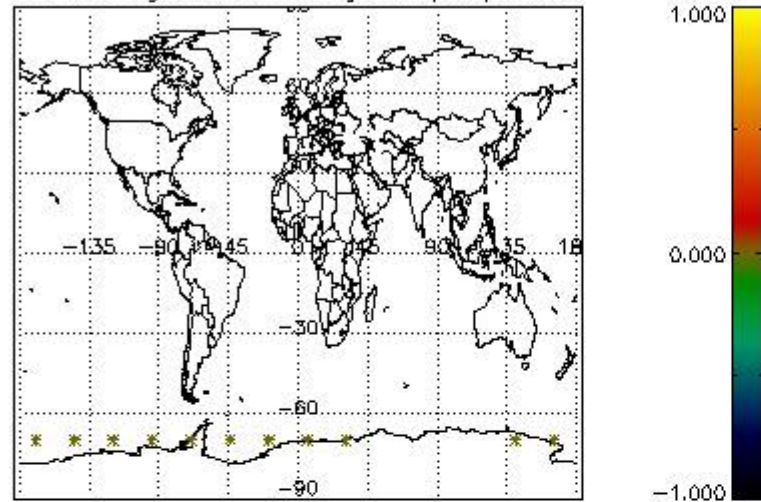


Percentage of saturation errors per profile

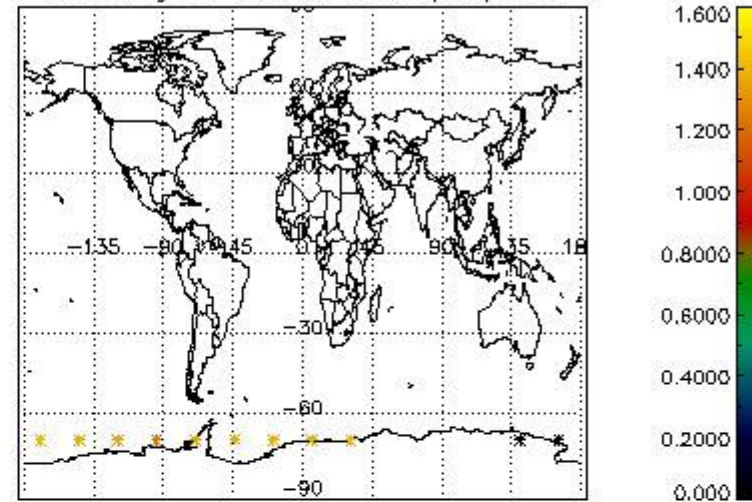


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

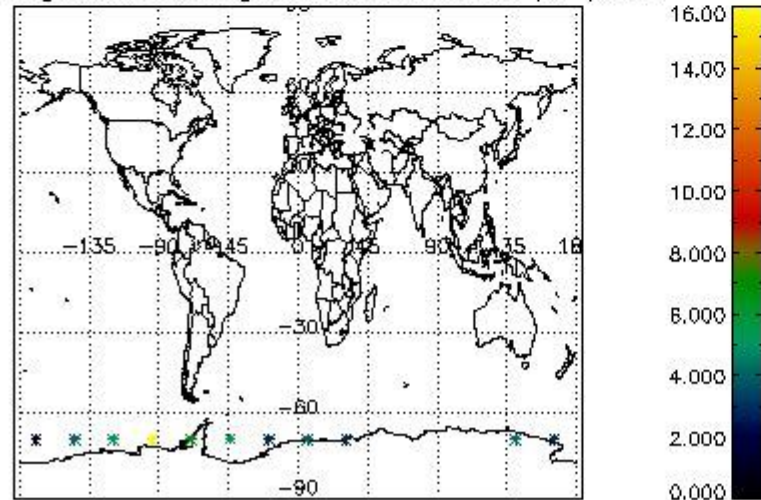
Percentage of cosmic ray hits per profile



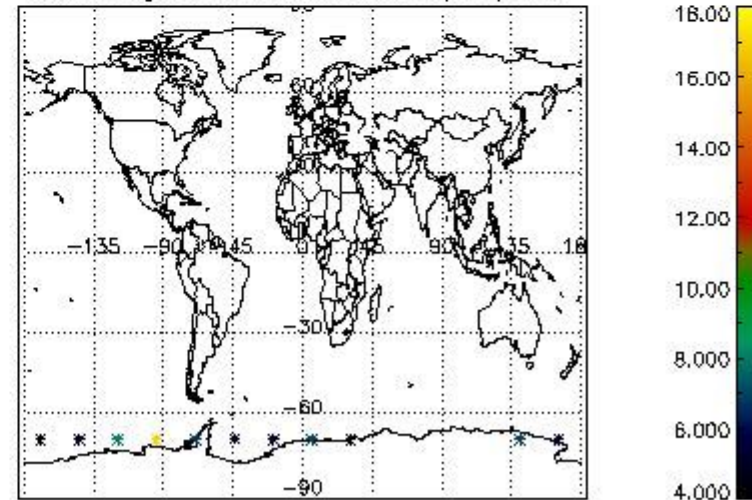
Percentage of datation errors per profile



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

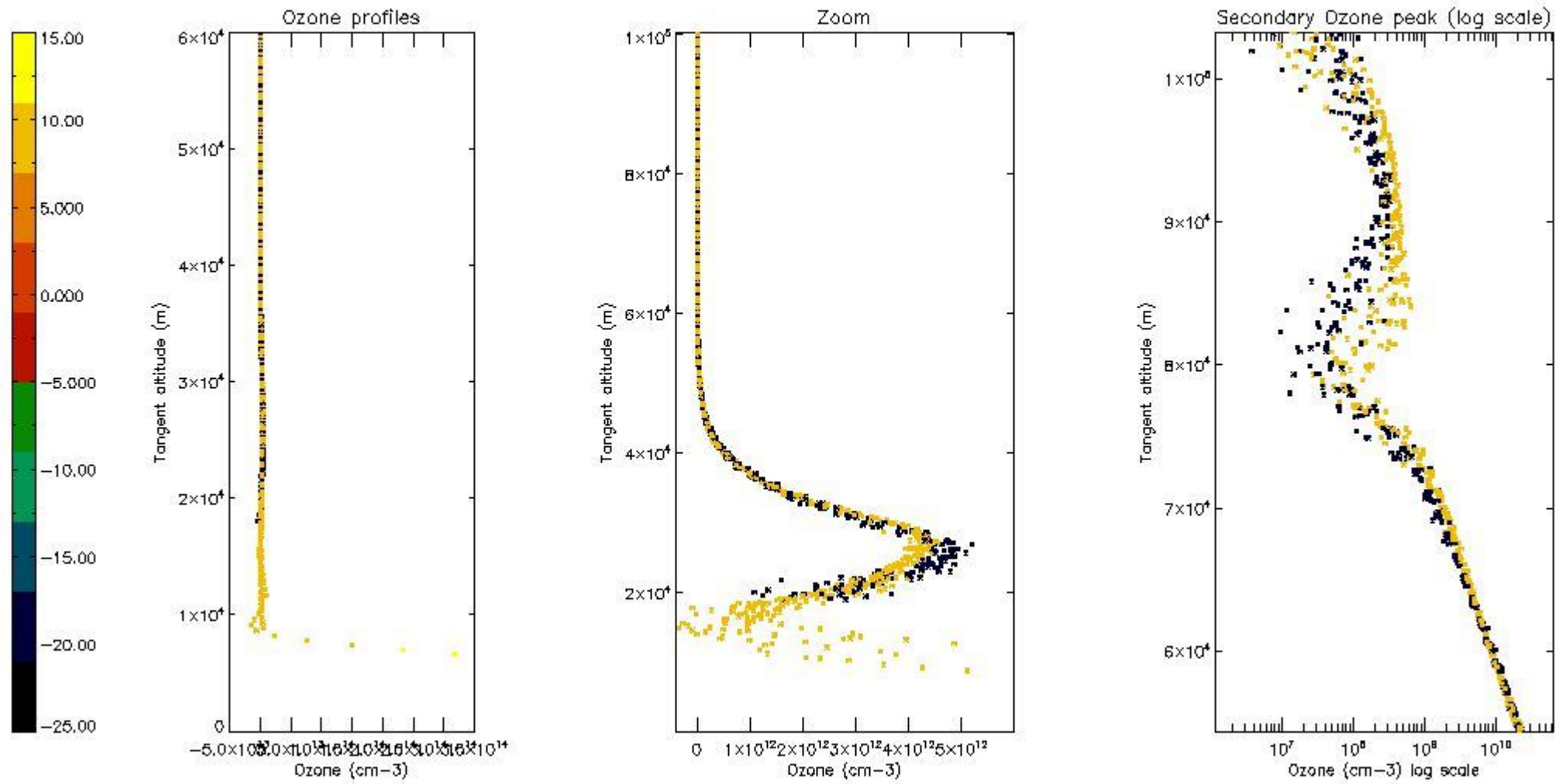
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	72
STD < 20	48

STD < 10	44
STD < 5	35

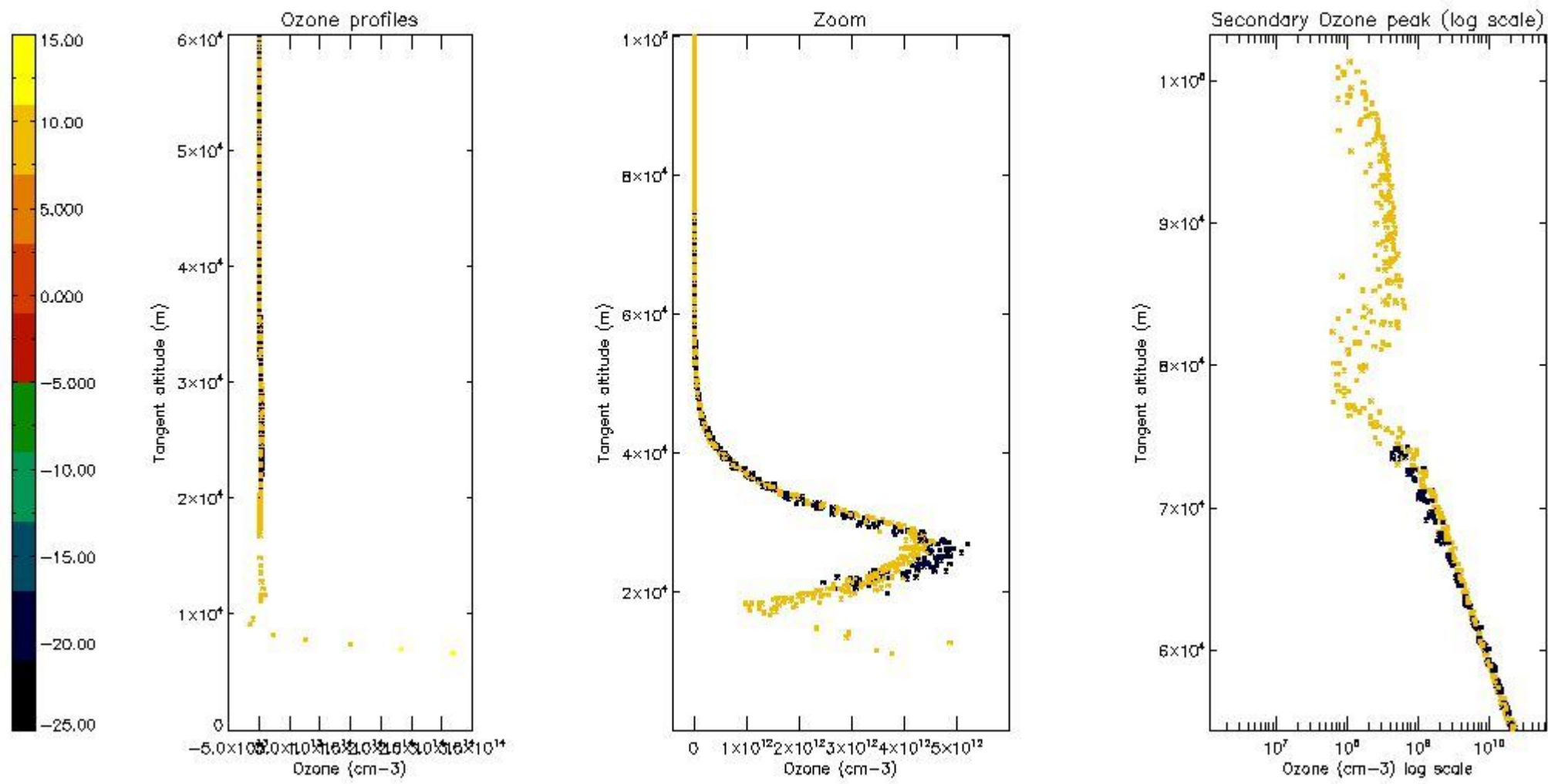
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



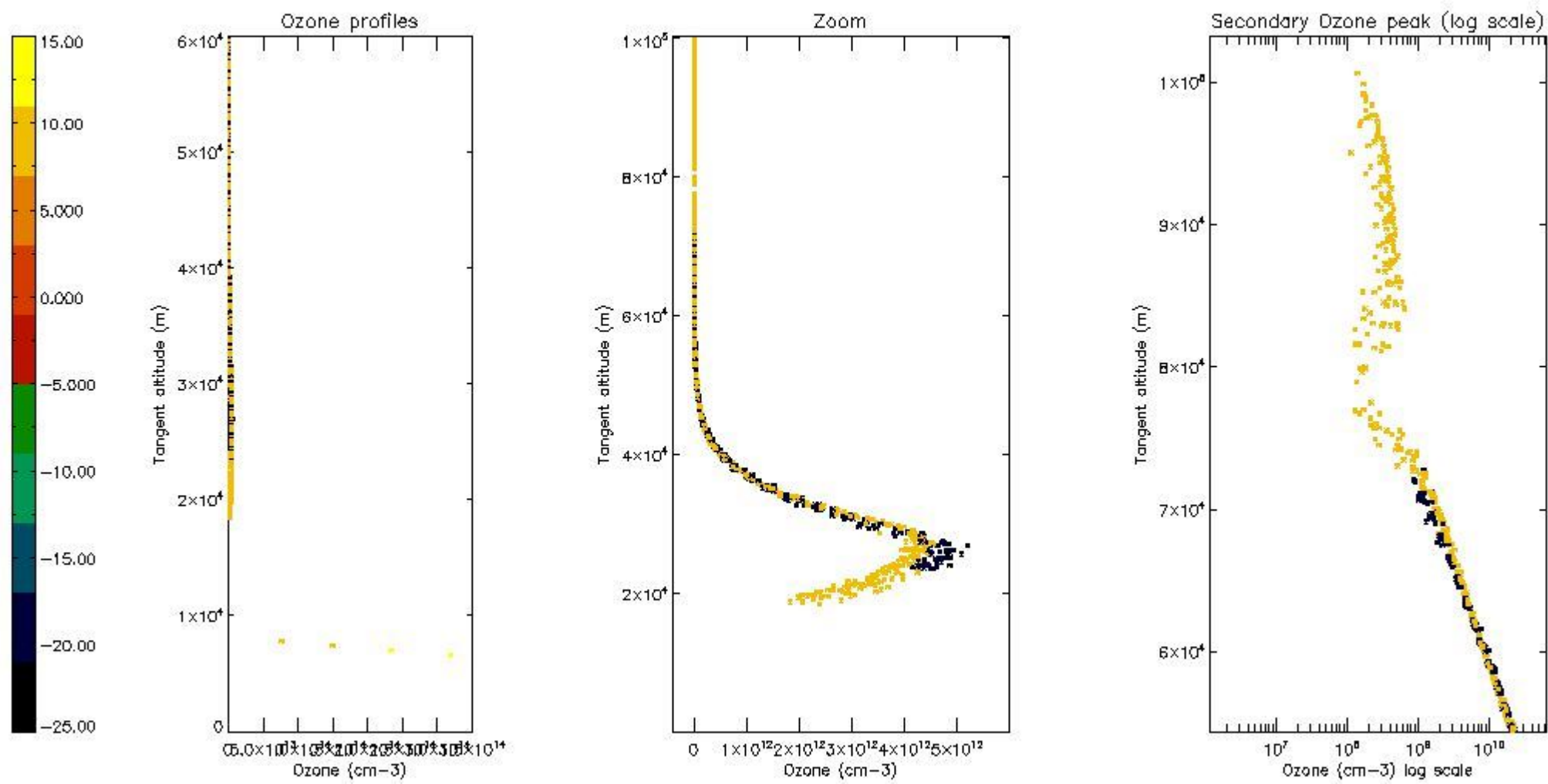
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



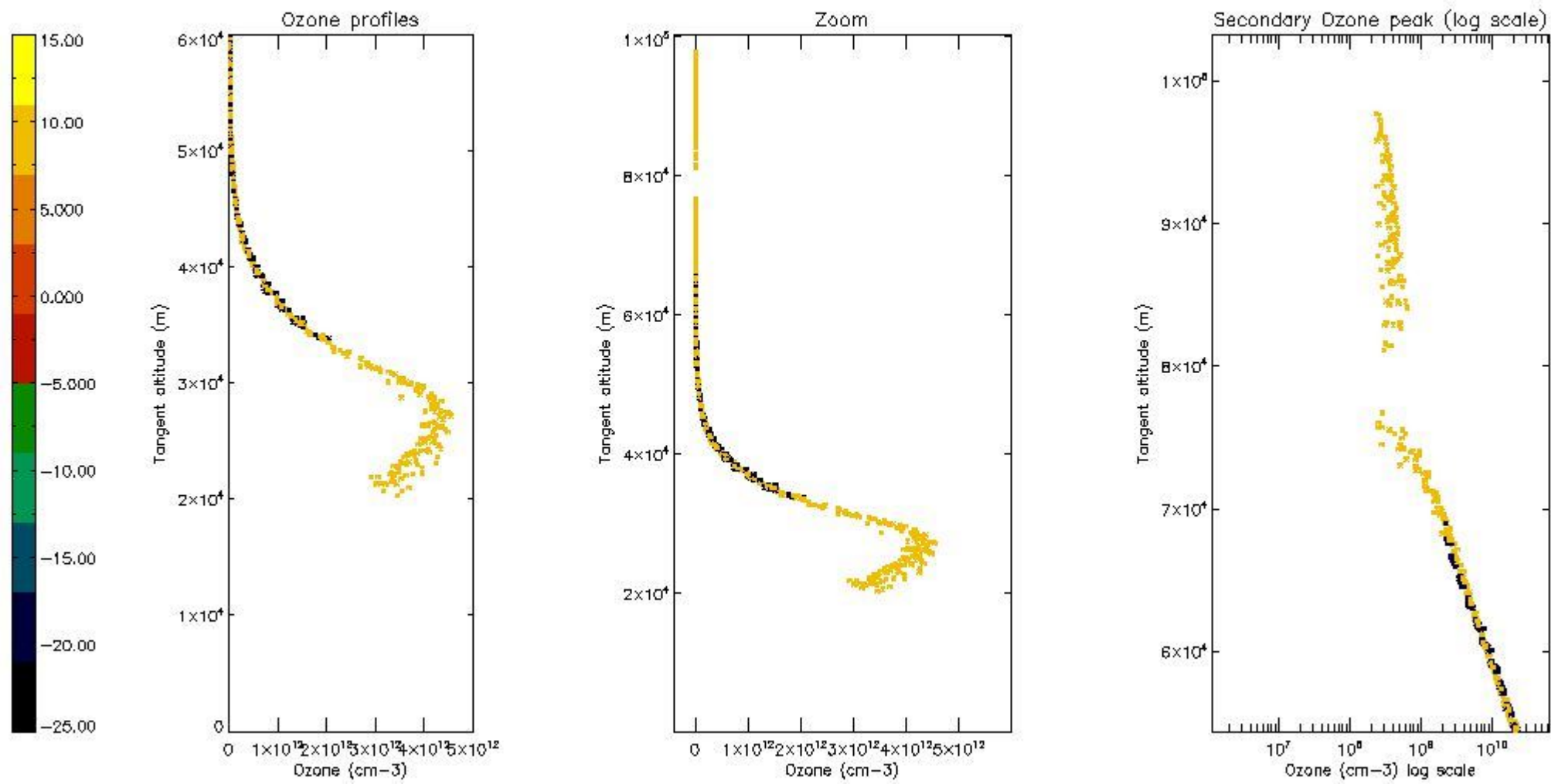
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



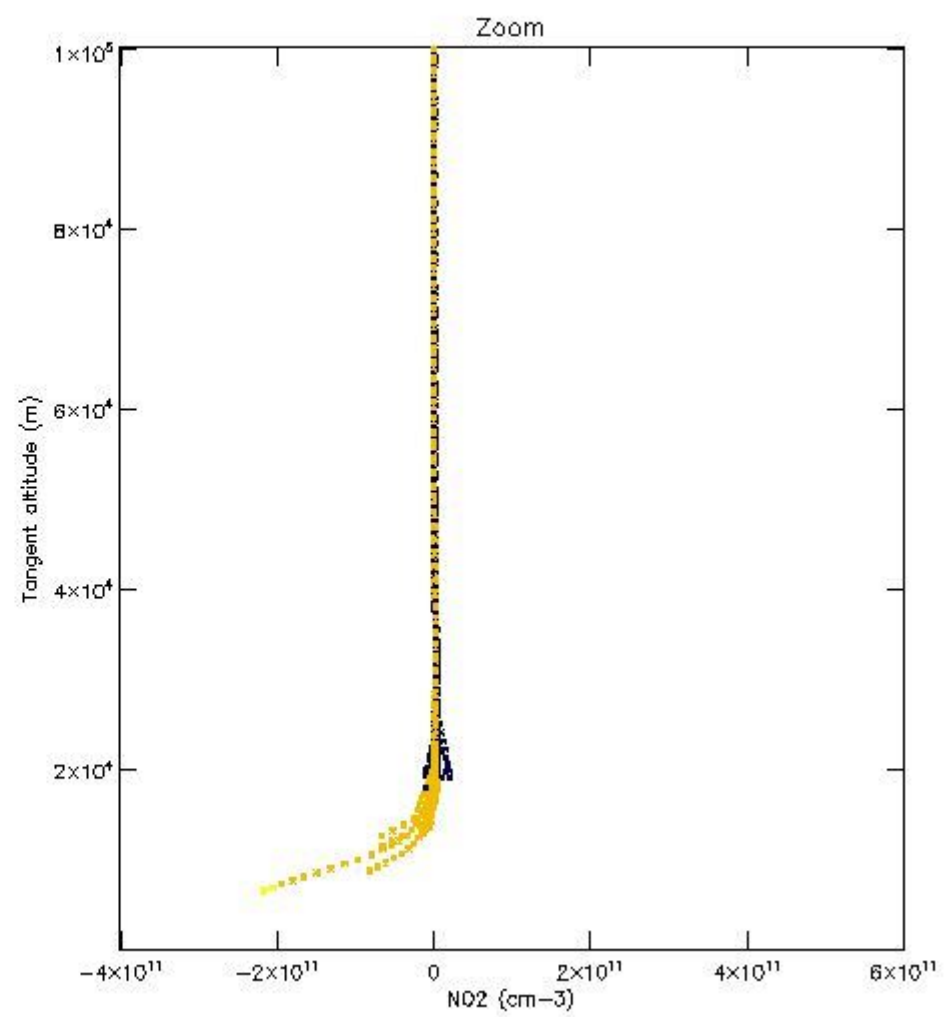
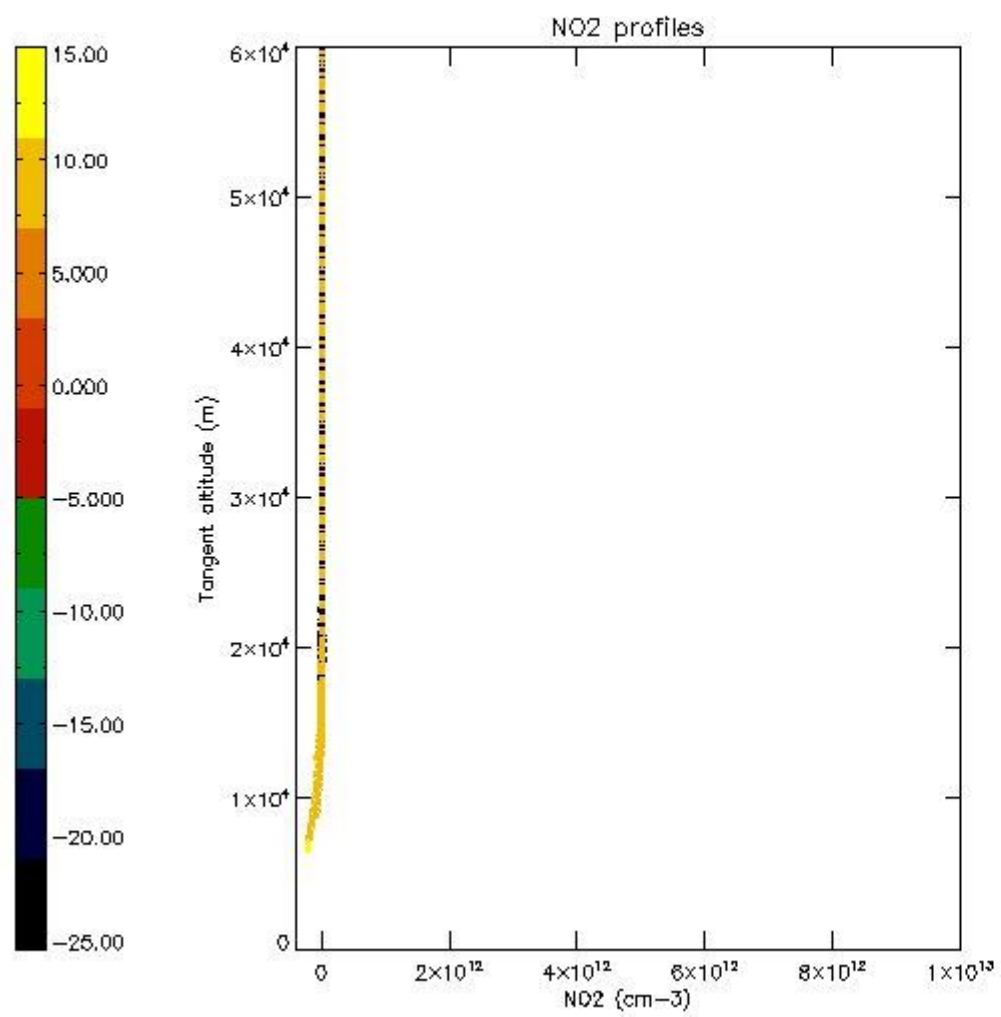
5.5 Plot ozone profiles where $STD < 5\%$ (dark without errors)

The colorbar represents the latitude.



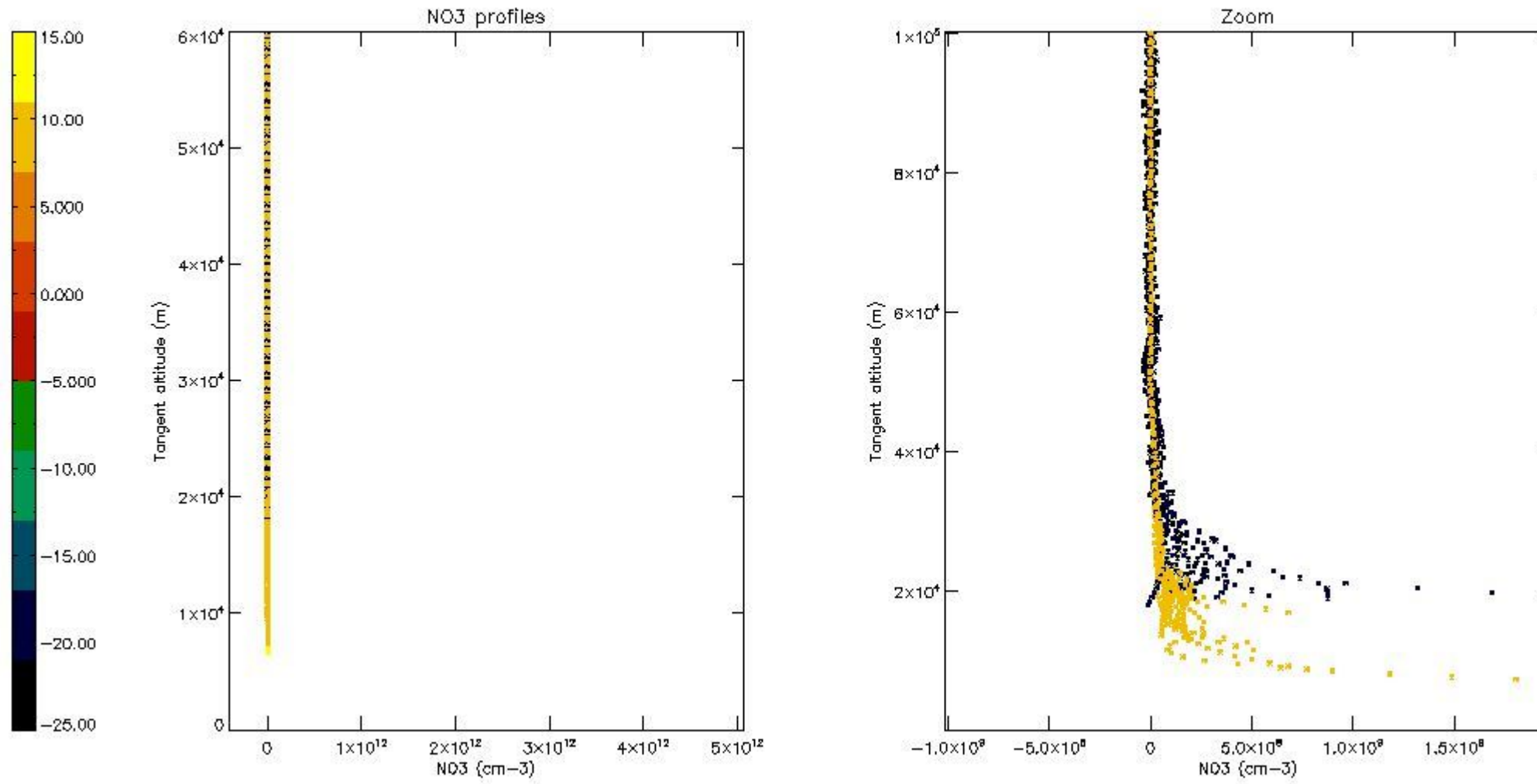
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

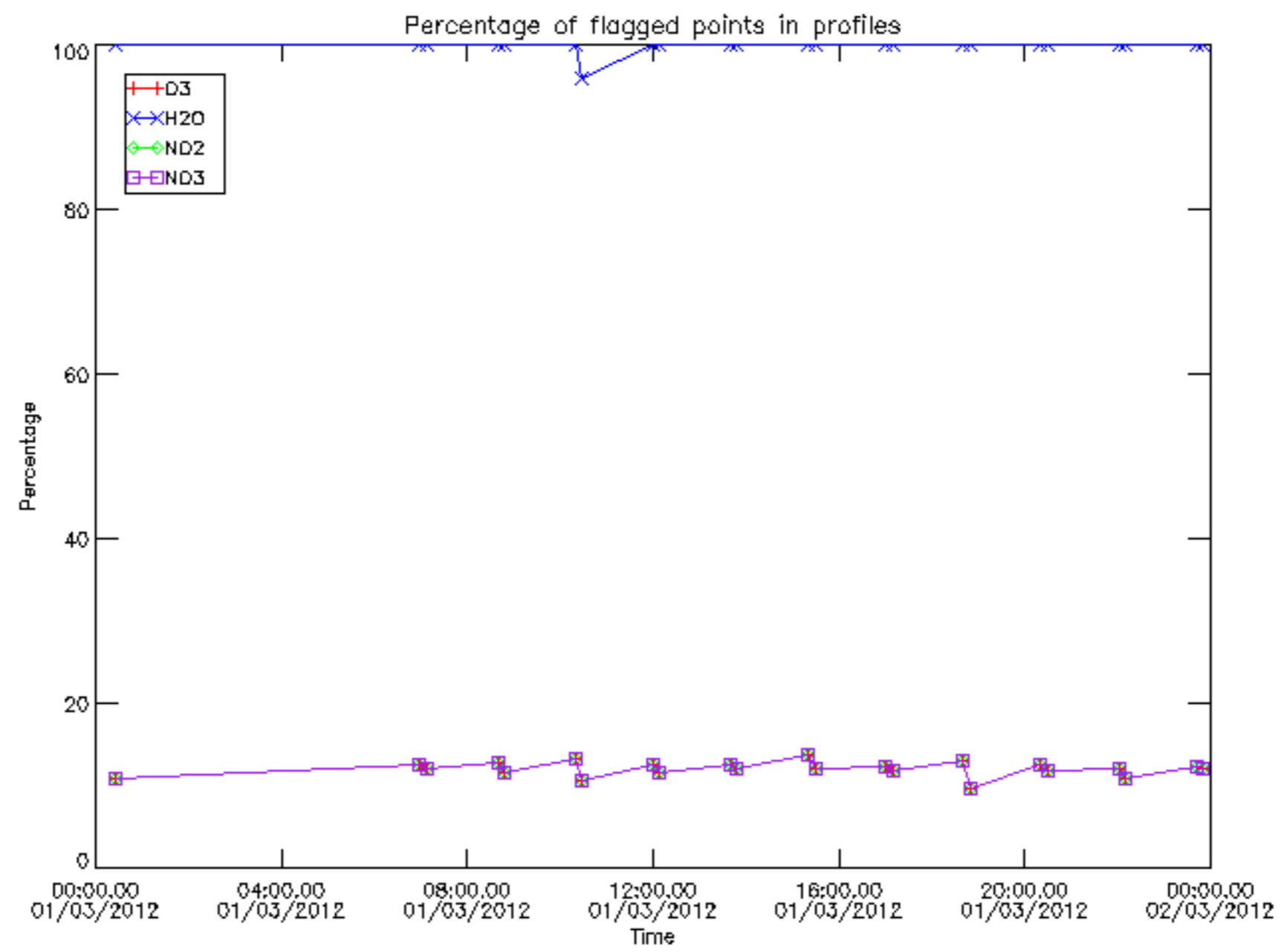
The colorbar represents the latitude.



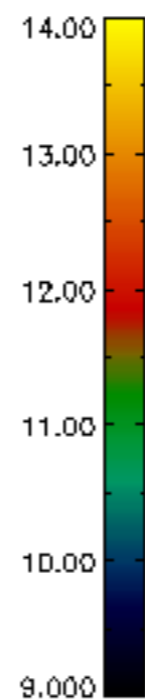
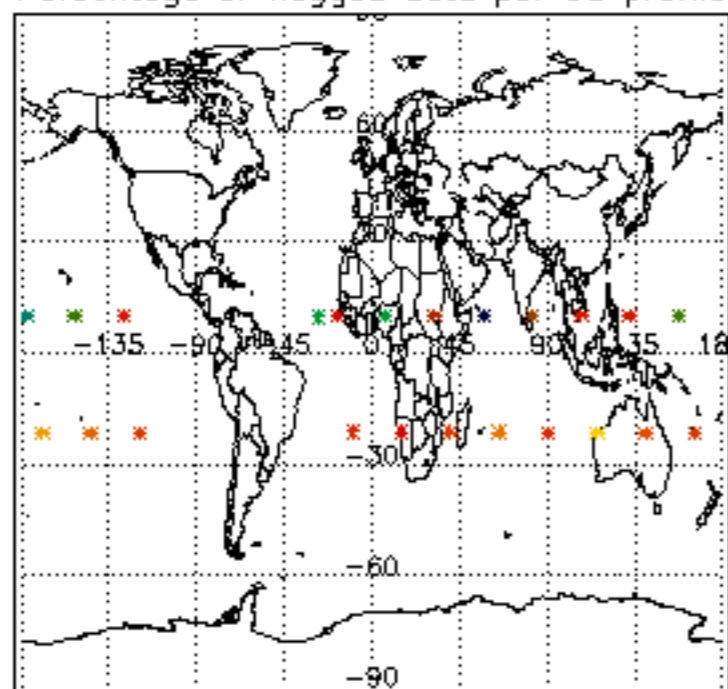
6. Auxiliary Data Files used for the production reported in section 2

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.

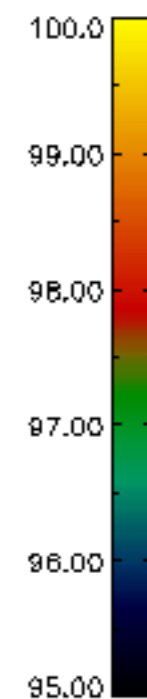
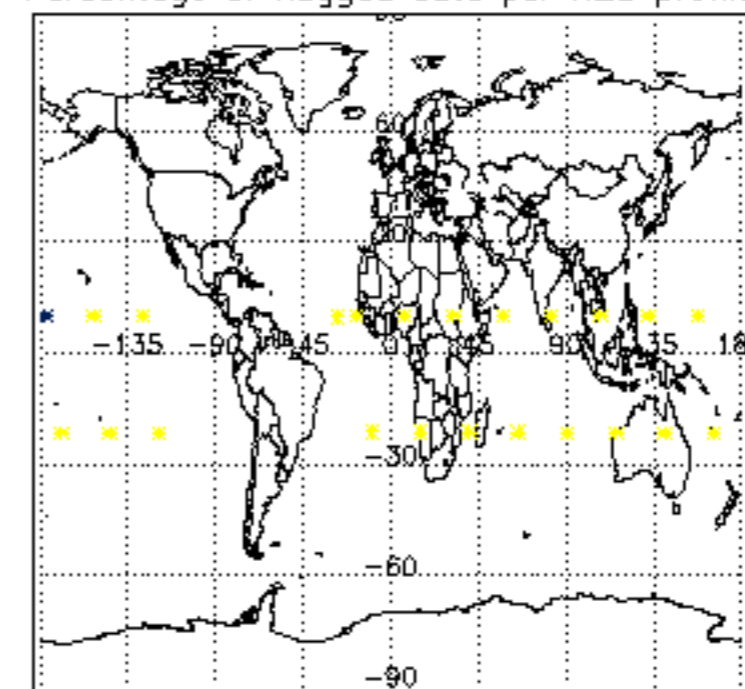
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20111213_163131_20111215_000000_20500101_000000	1	01-MAR-2012 00:26:53
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	01-MAR-2012 00:26:53
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	01-MAR-2012 00:26:53



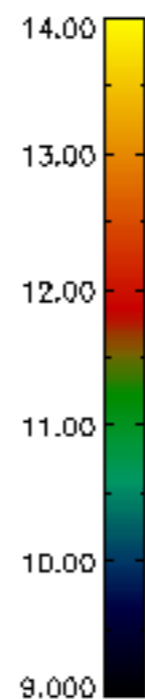
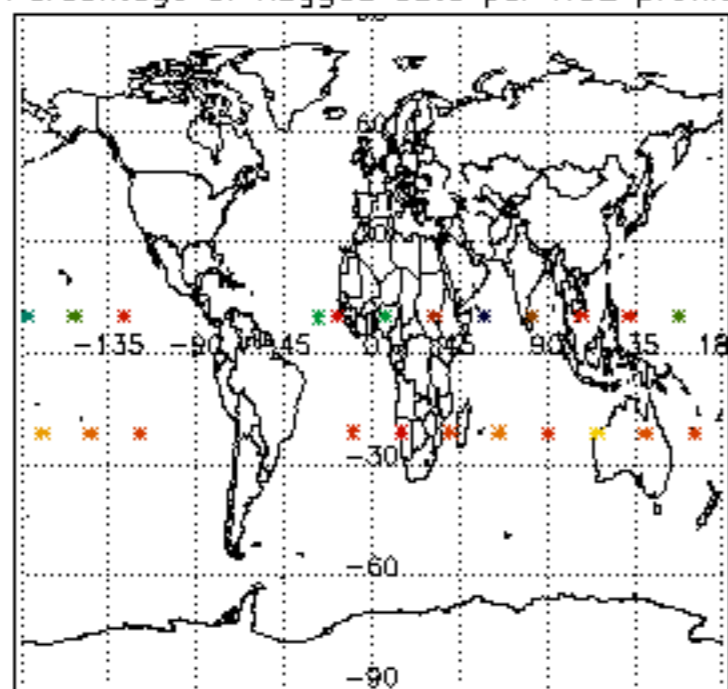
Percentage of flagged data per D3 profile



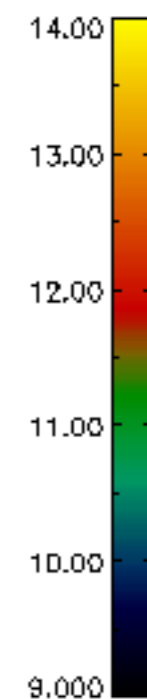
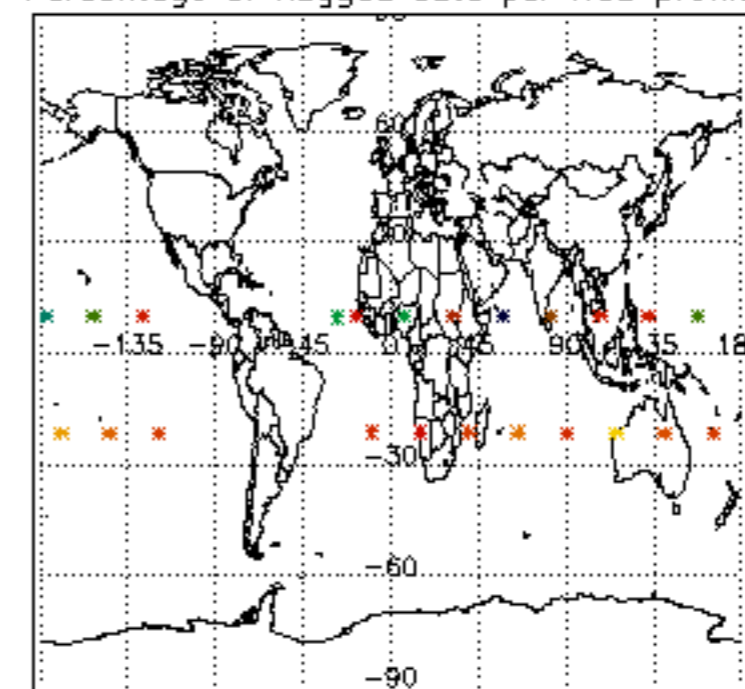
Percentage of flagged data per H2O profile

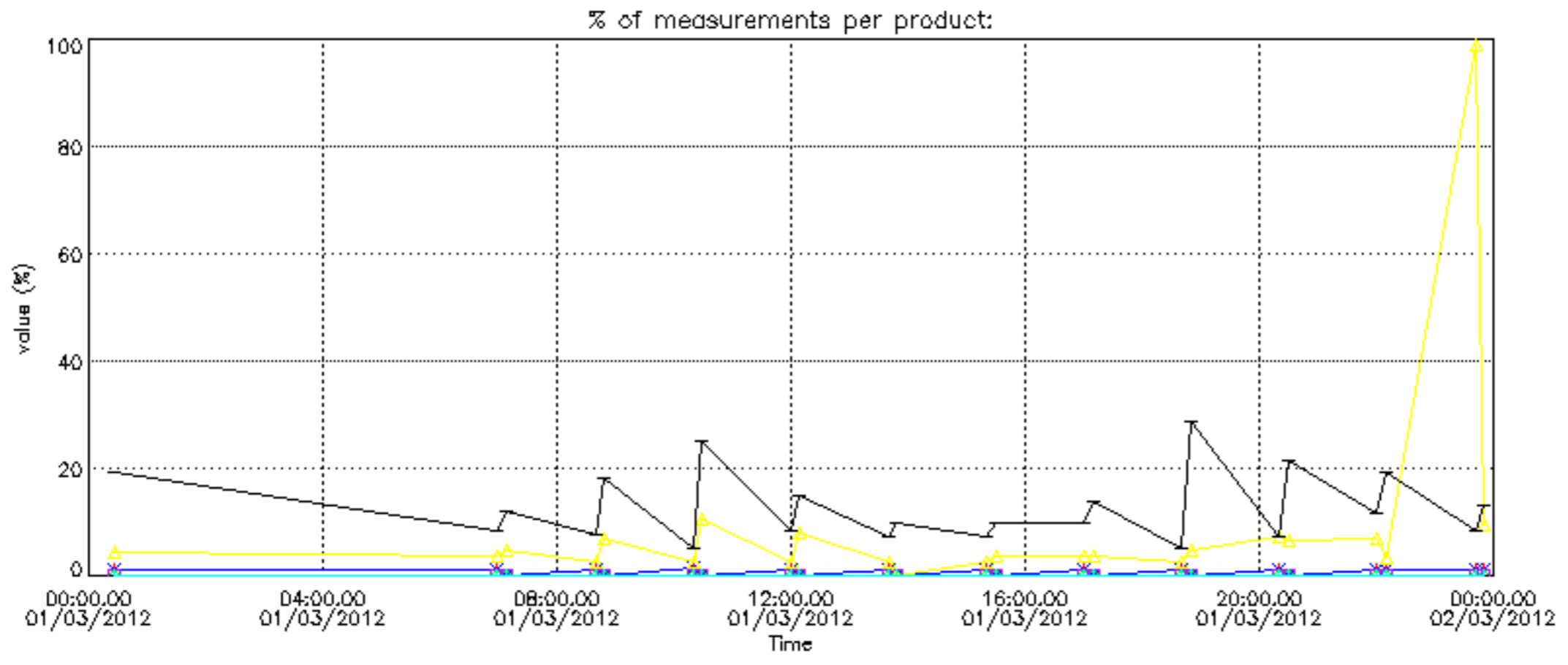


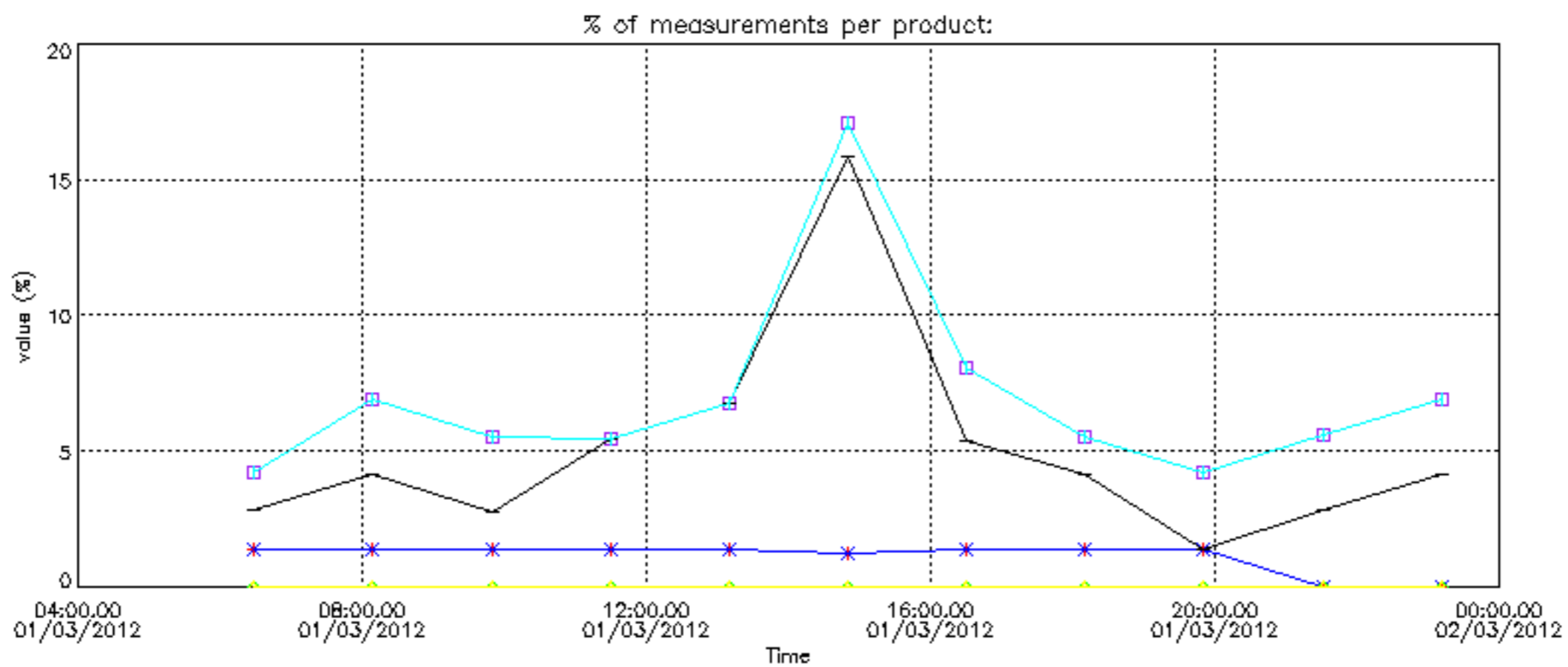
Percentage of flagged data per NO2 profile



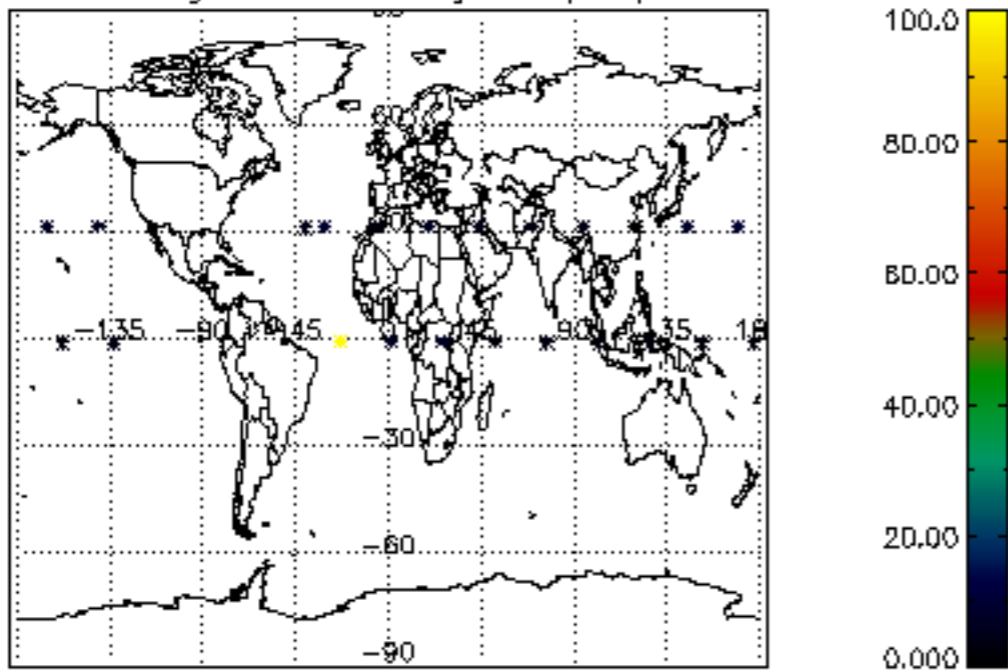
Percentage of flagged data per NO3 profile



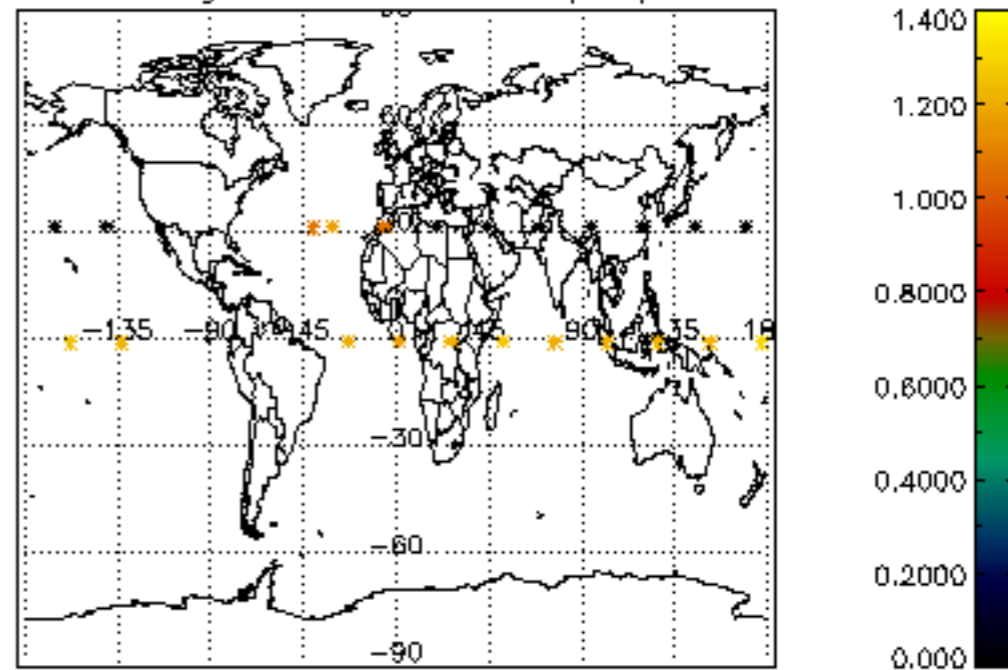




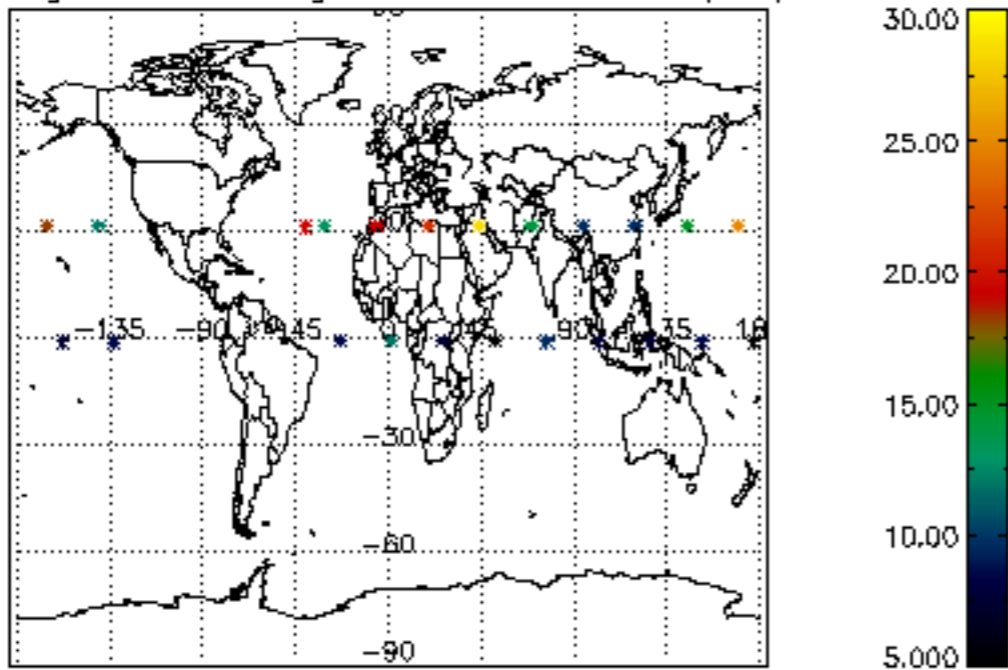
Percentage of cosmic ray hits per profile



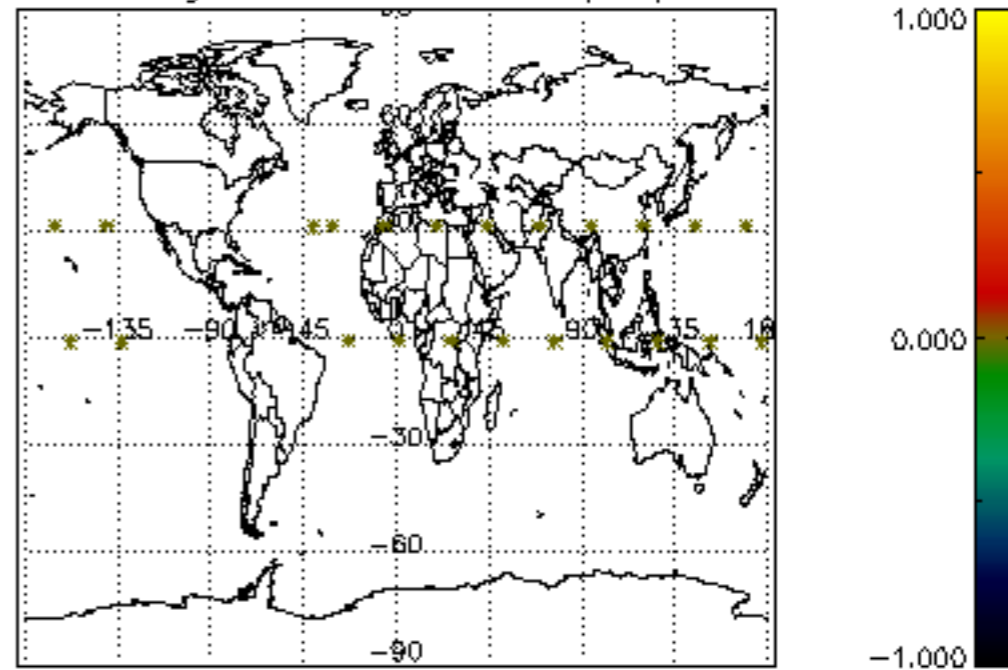
Percentage of datation errors per profile



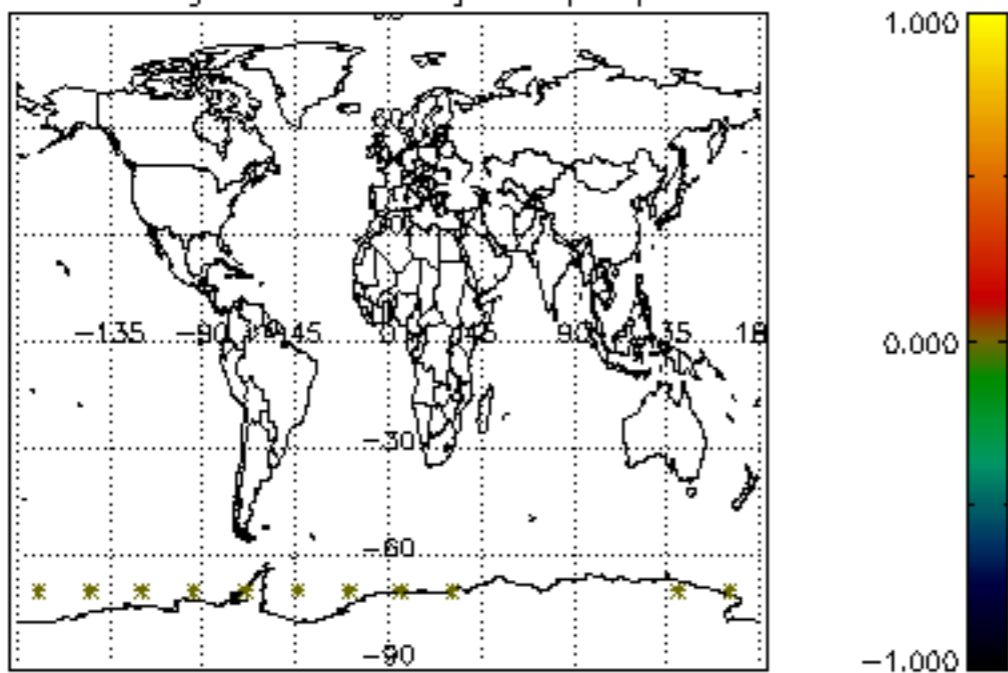
Percentage of star falling outside central band per profile



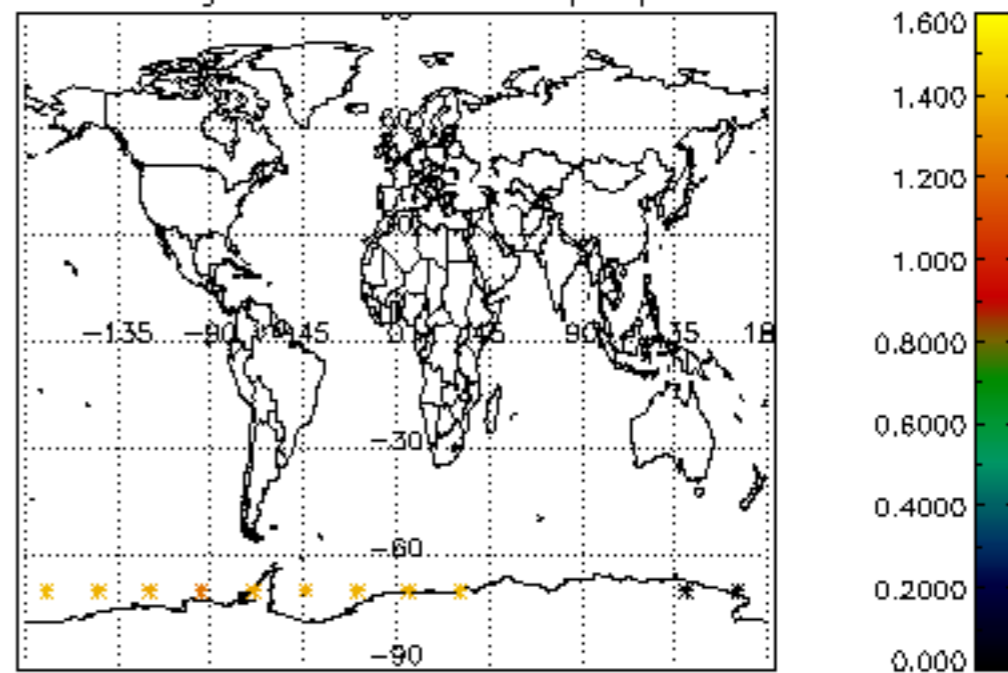
Percentage of saturation errors per profile



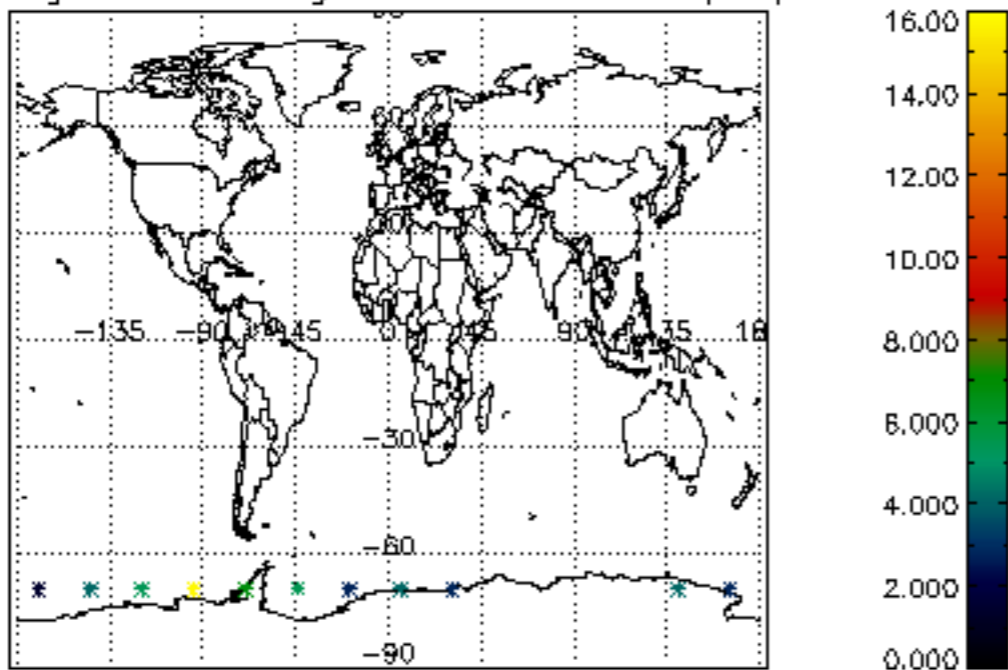
Percentage of cosmic ray hits per profile



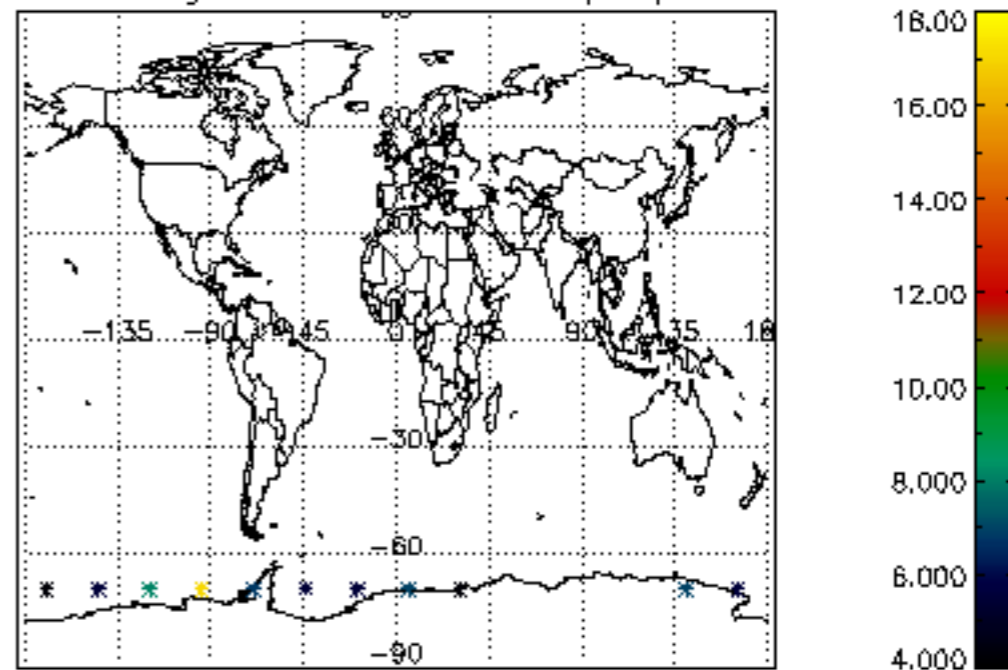
Percentage of datation errors per profile

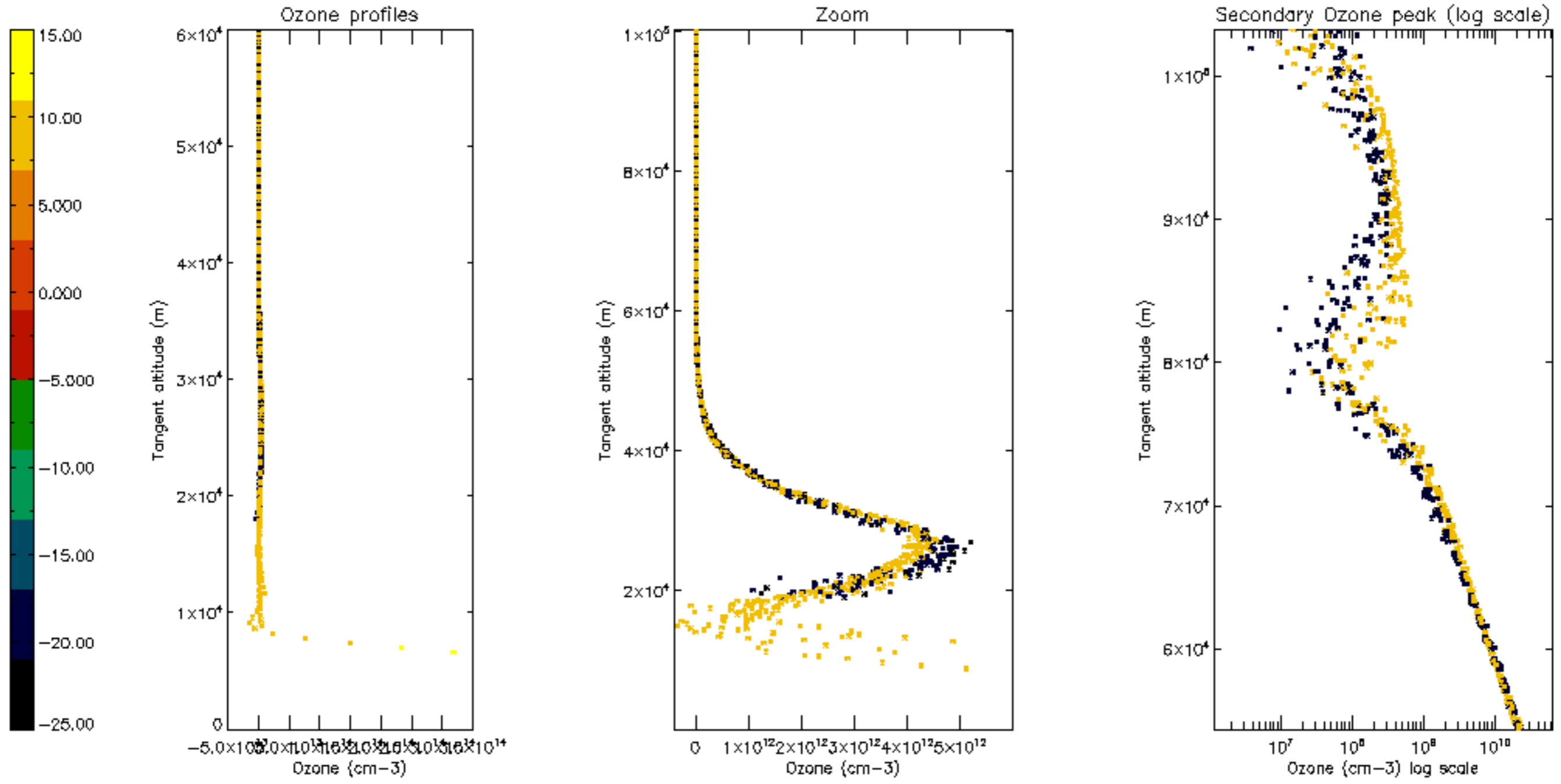


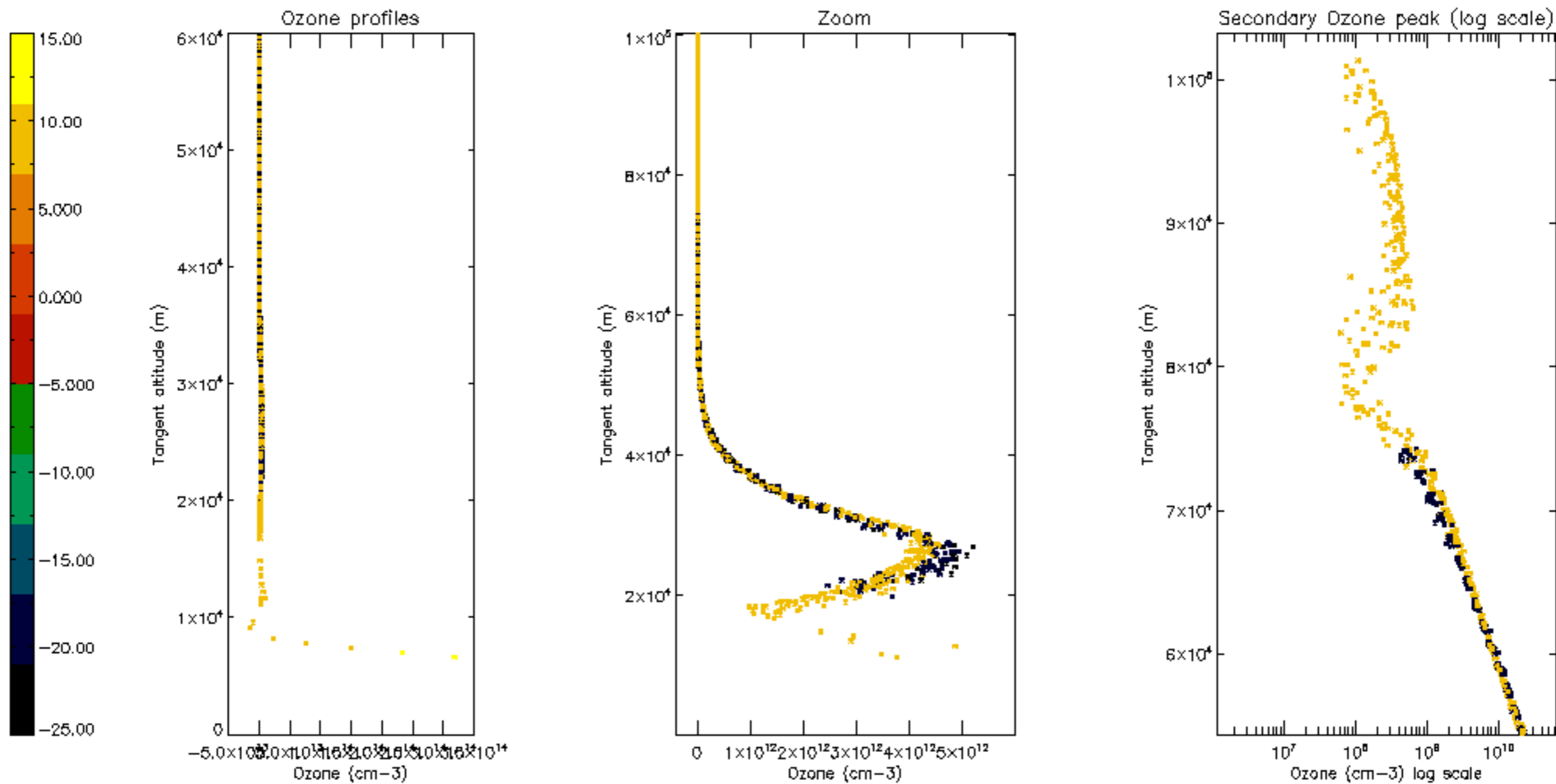
Percentage of star falling outside central band per profile

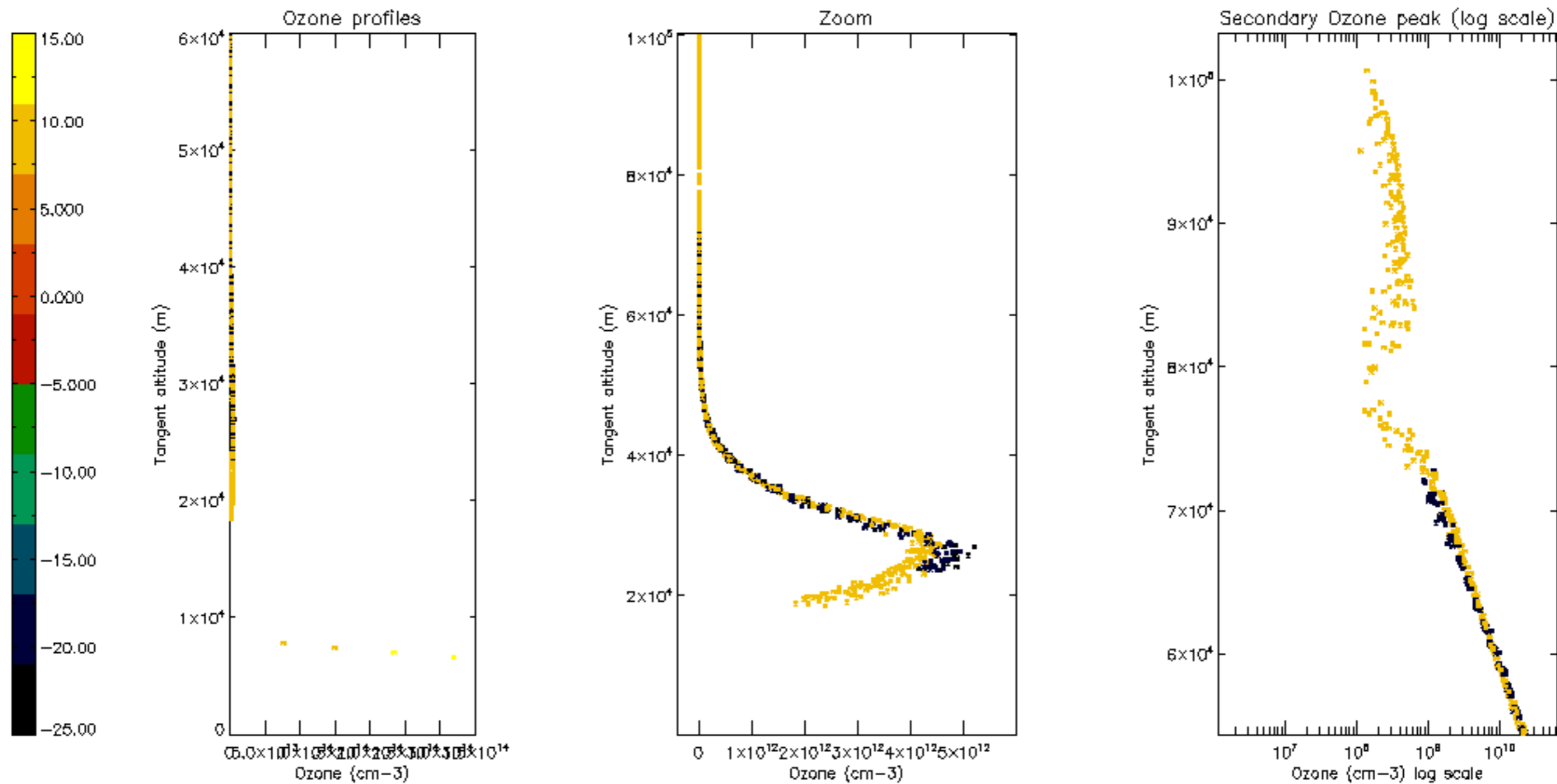


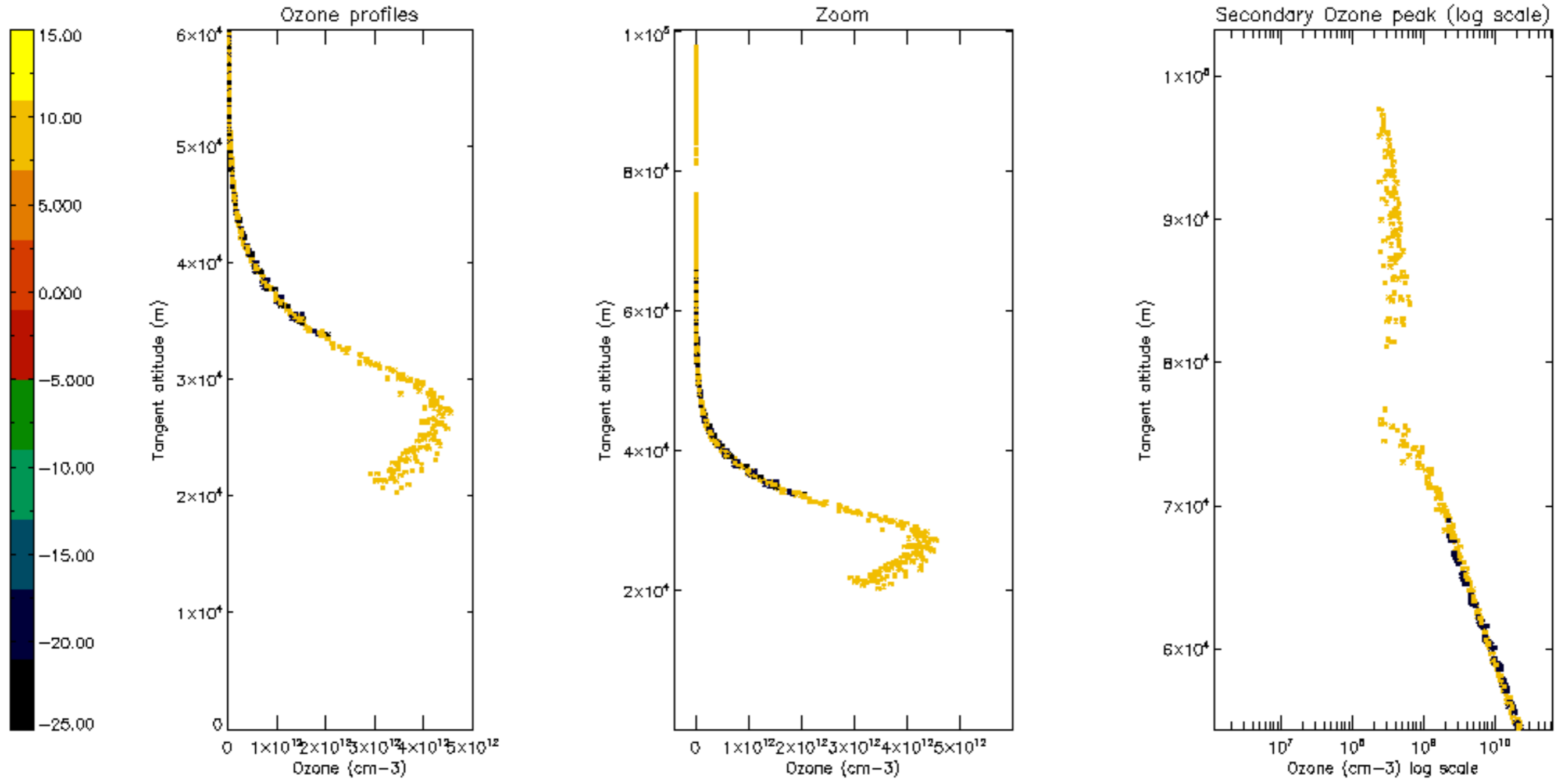
Percentage of saturation errors per profile

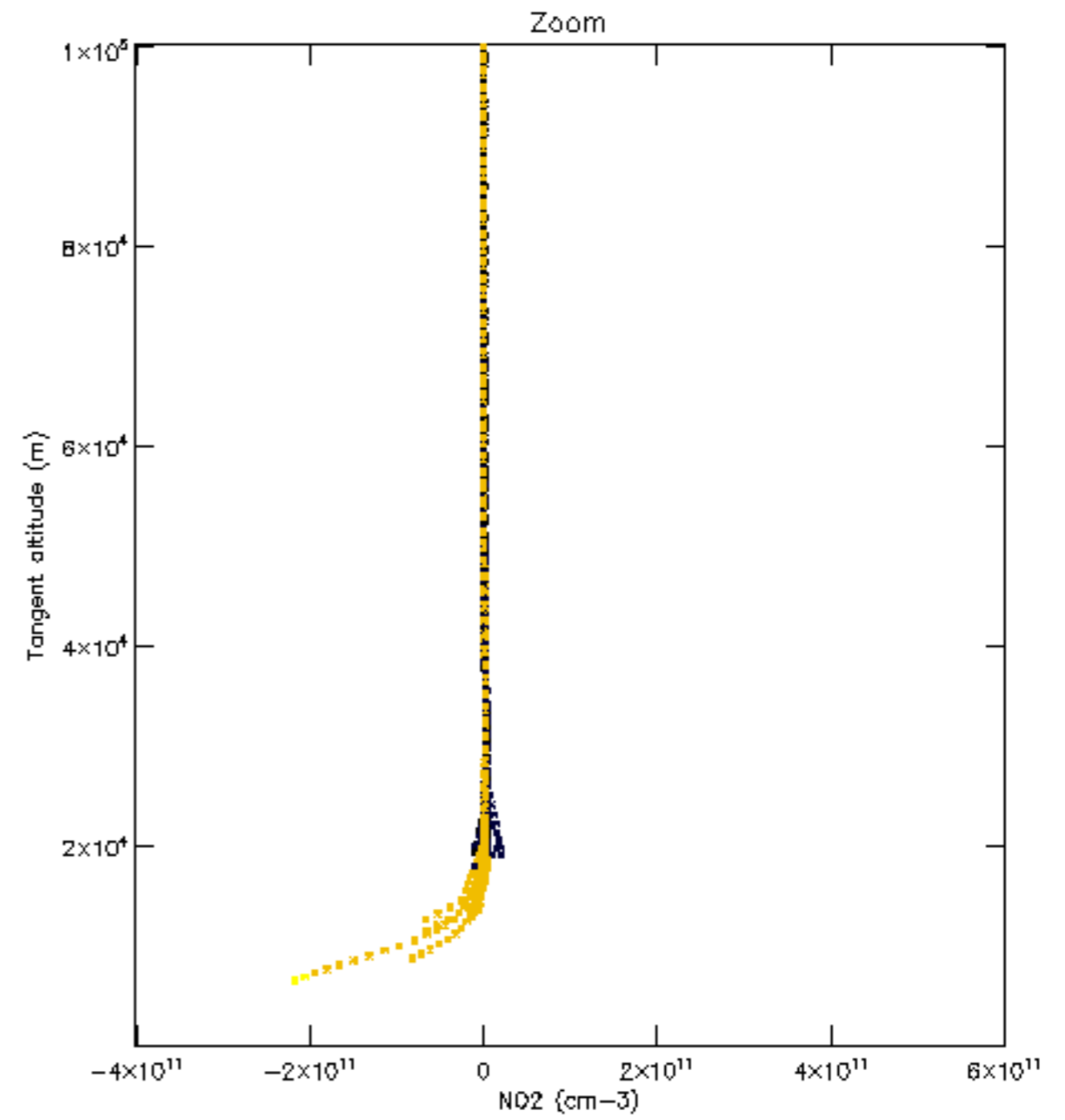
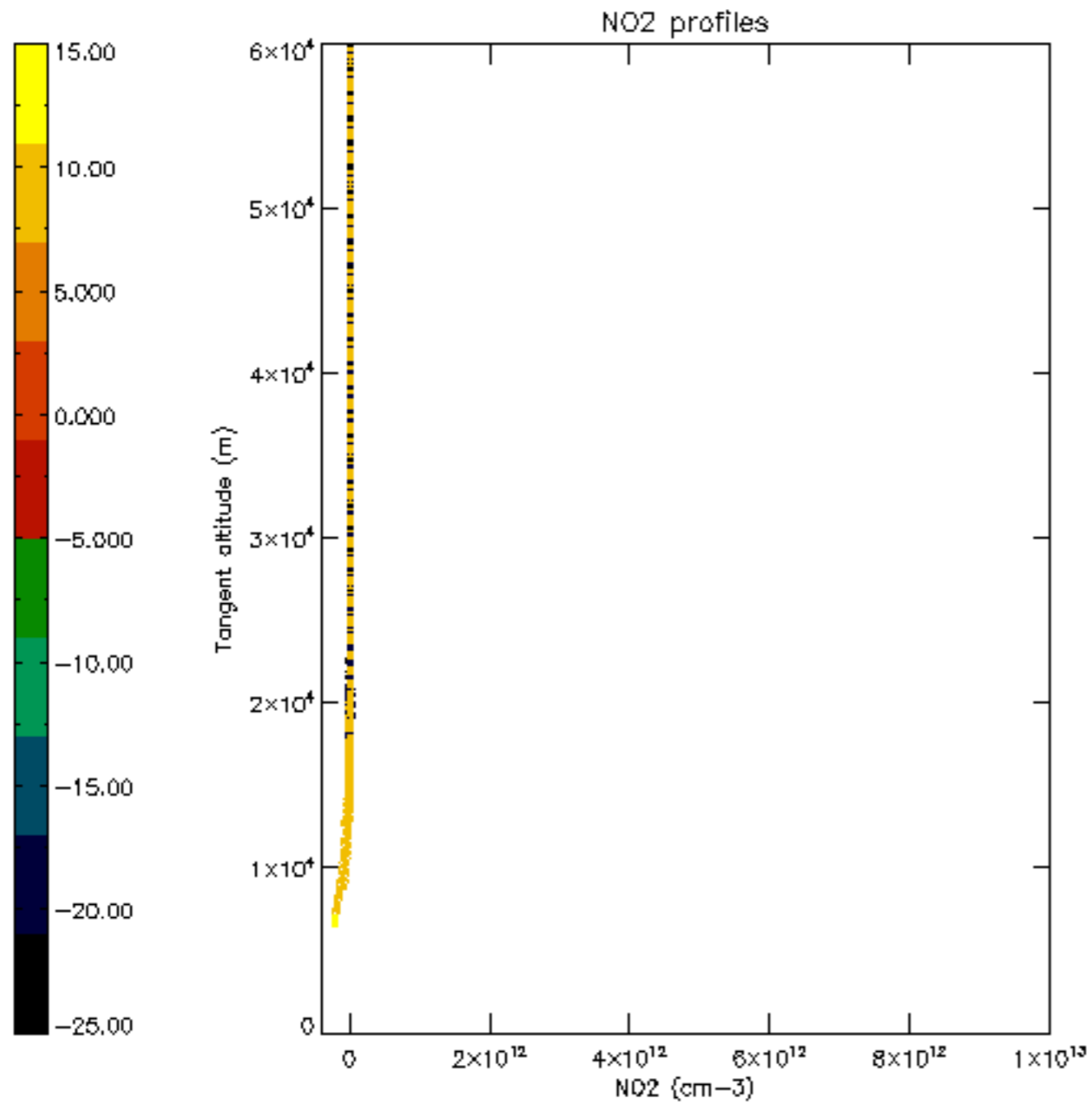


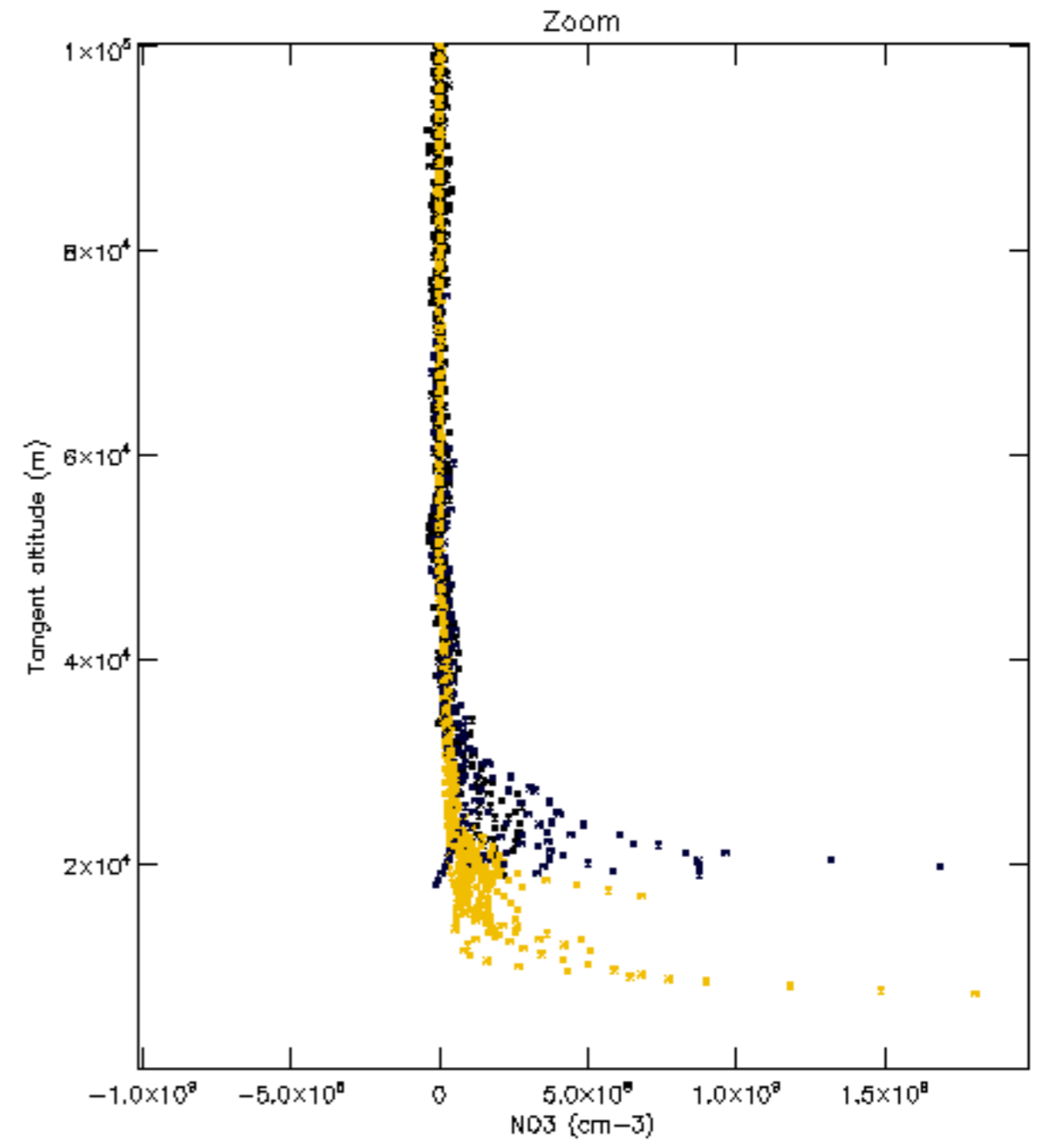
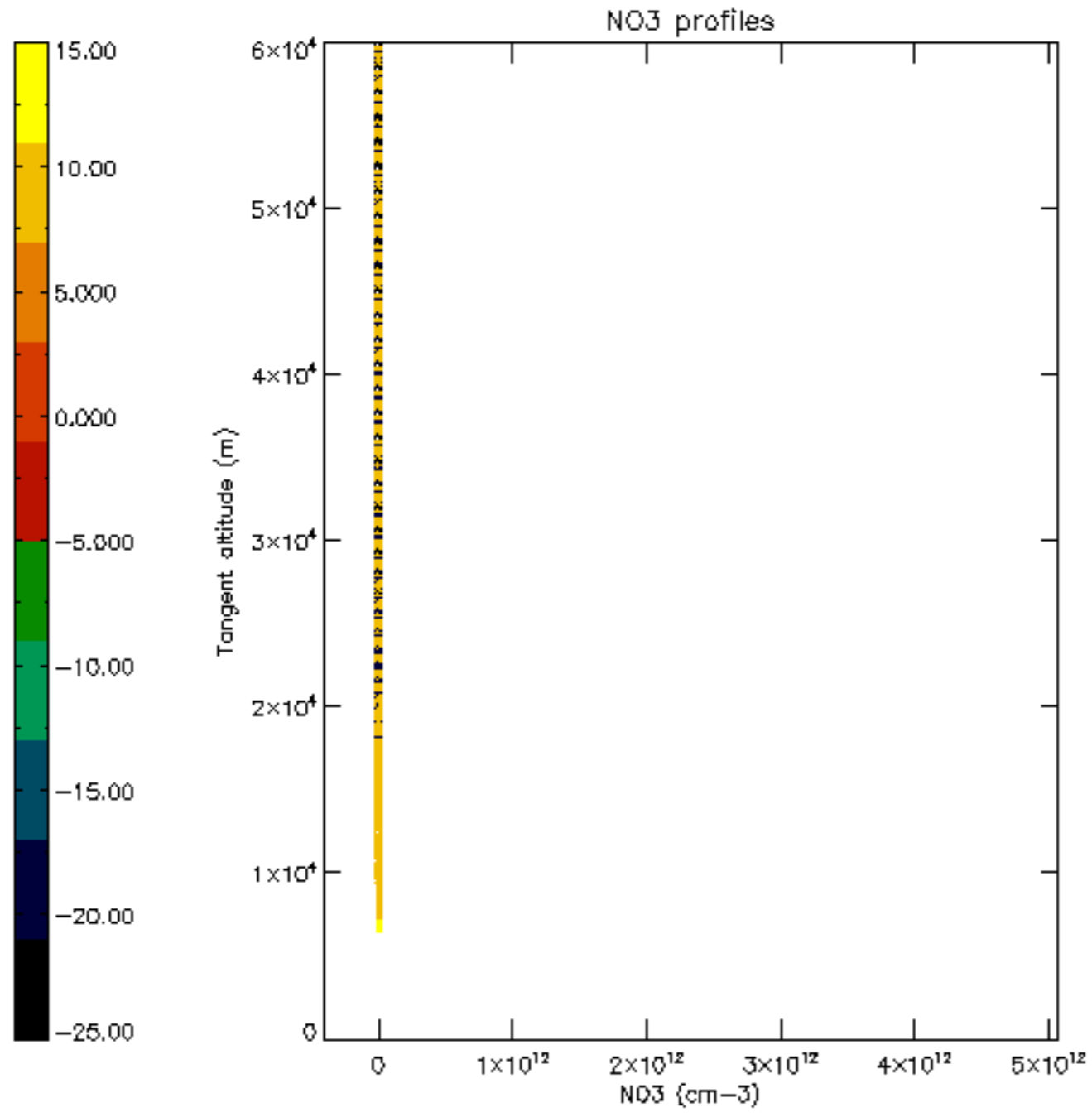


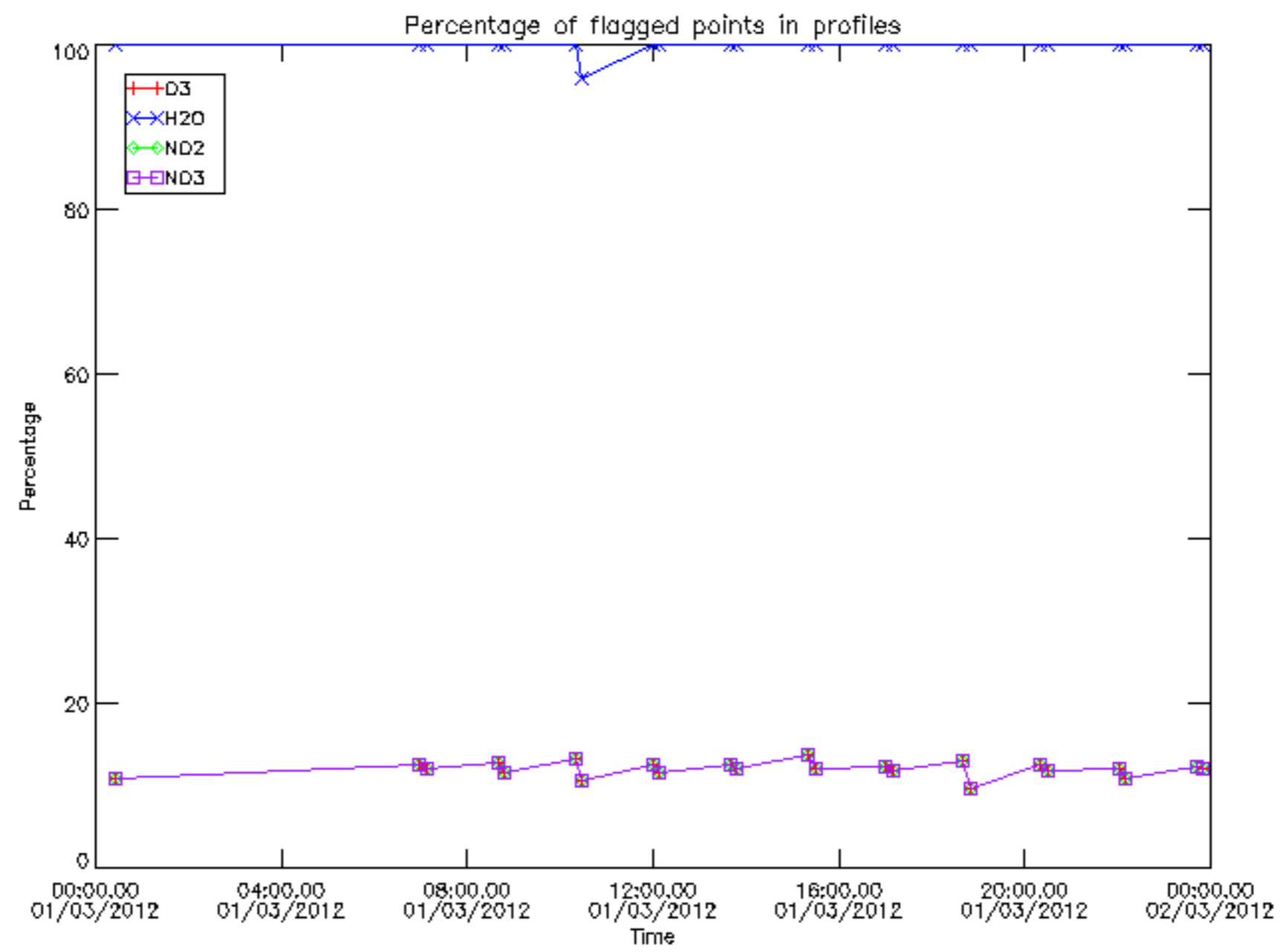




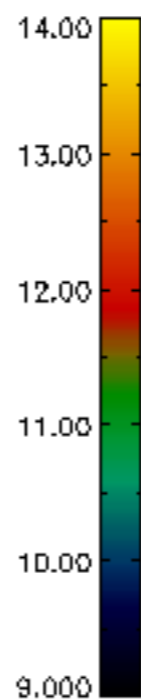
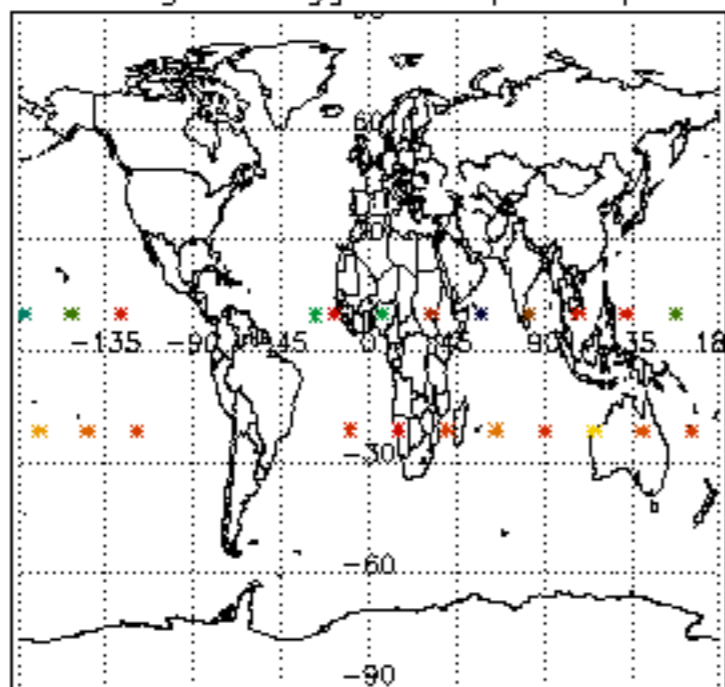




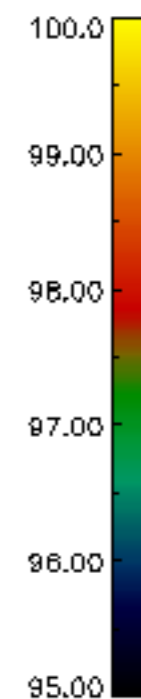
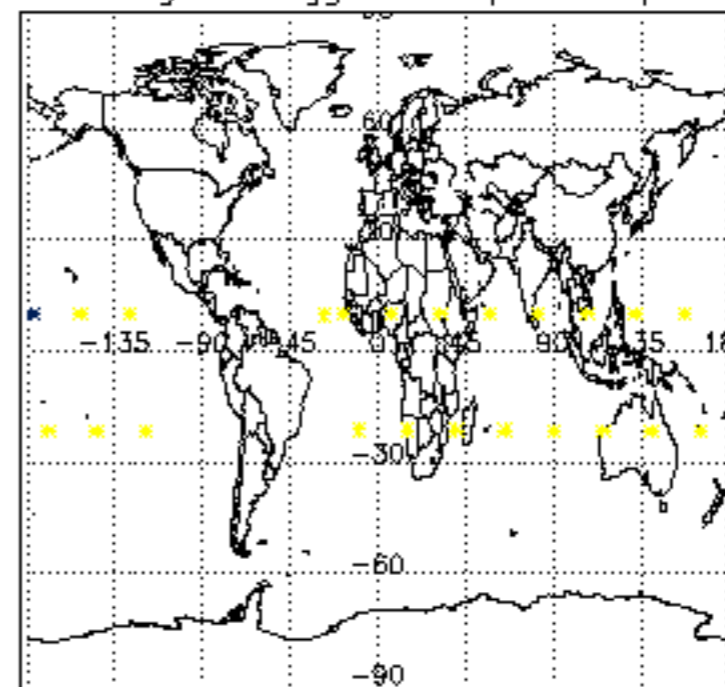




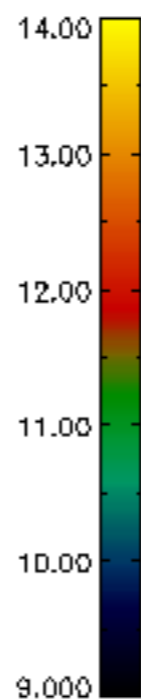
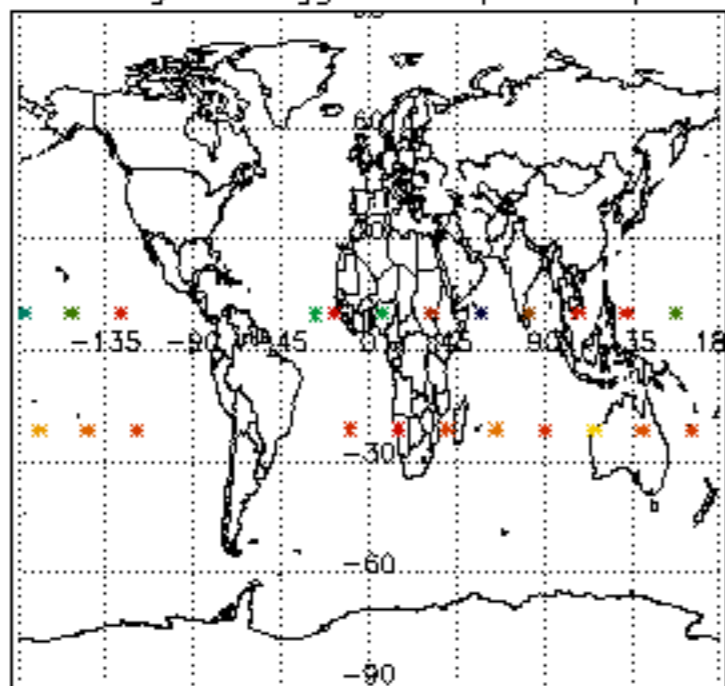
Percentage of flagged data per D3 profile



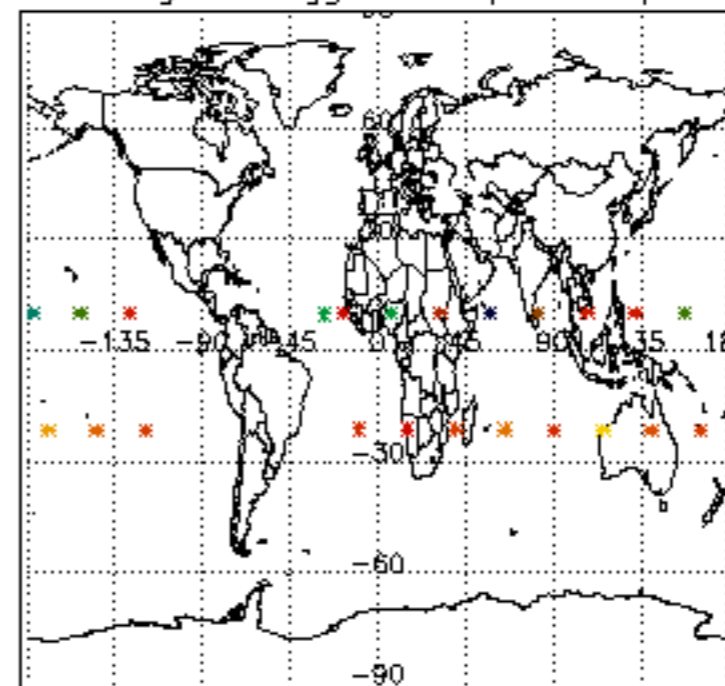
Percentage of flagged data per H2O profile

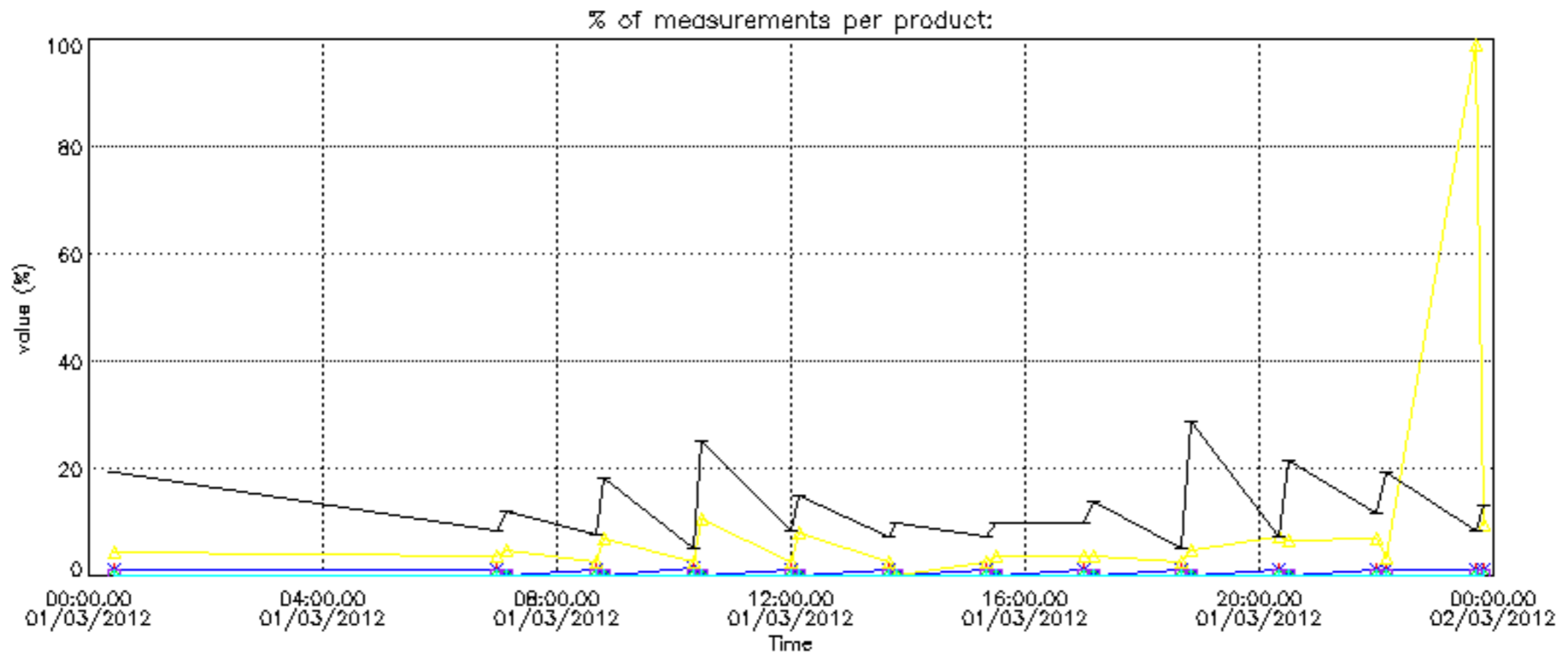


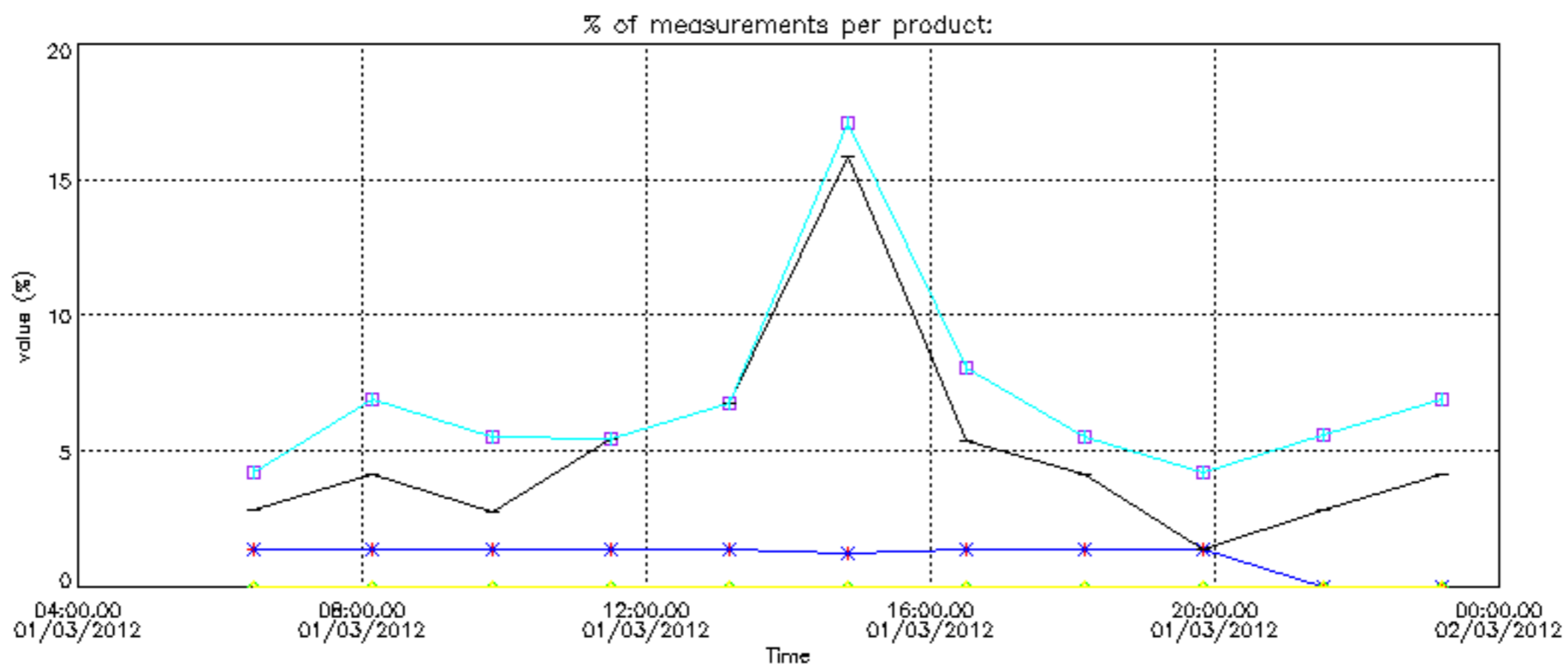
Percentage of flagged data per NO2 profile



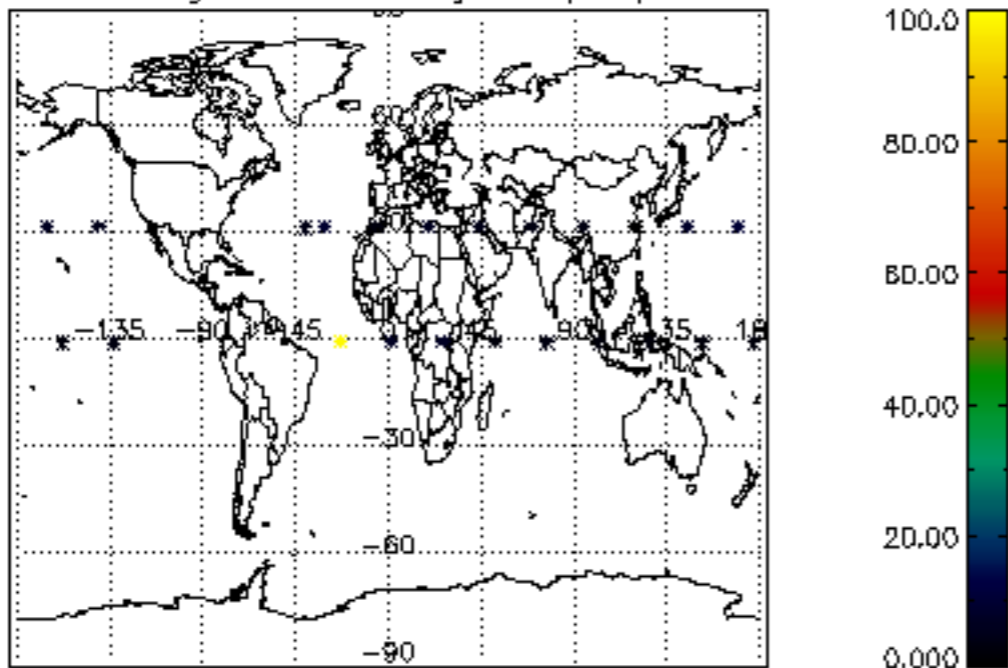
Percentage of flagged data per NO3 profile



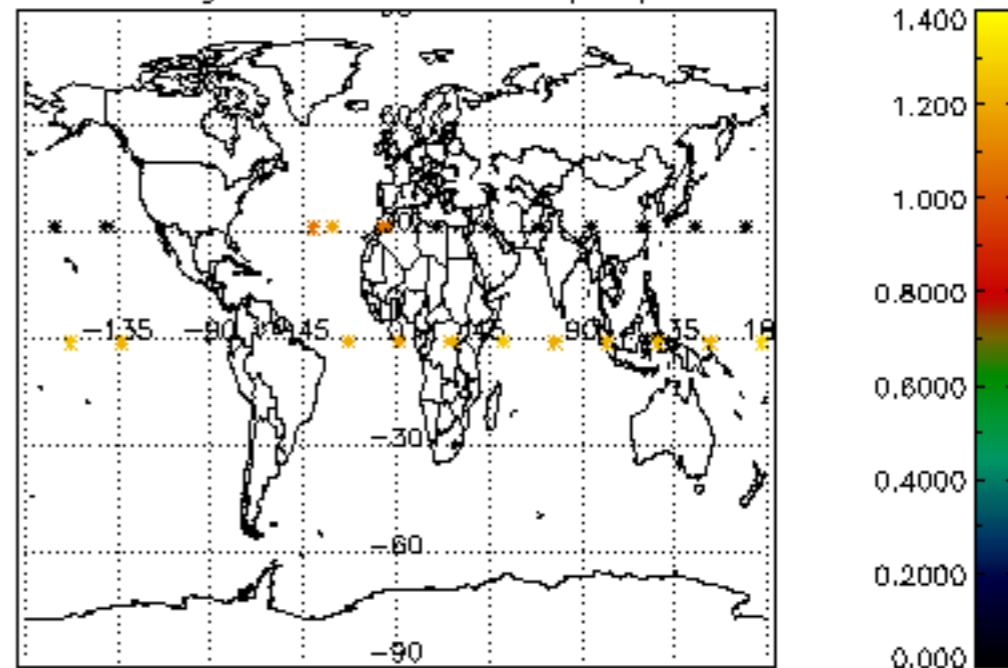




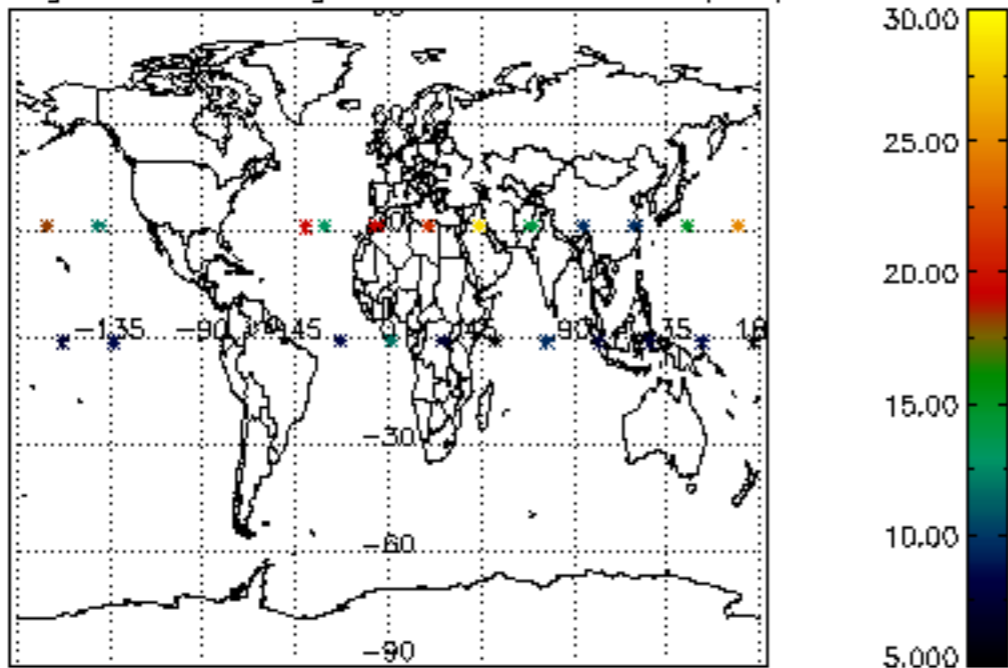
Percentage of cosmic ray hits per profile



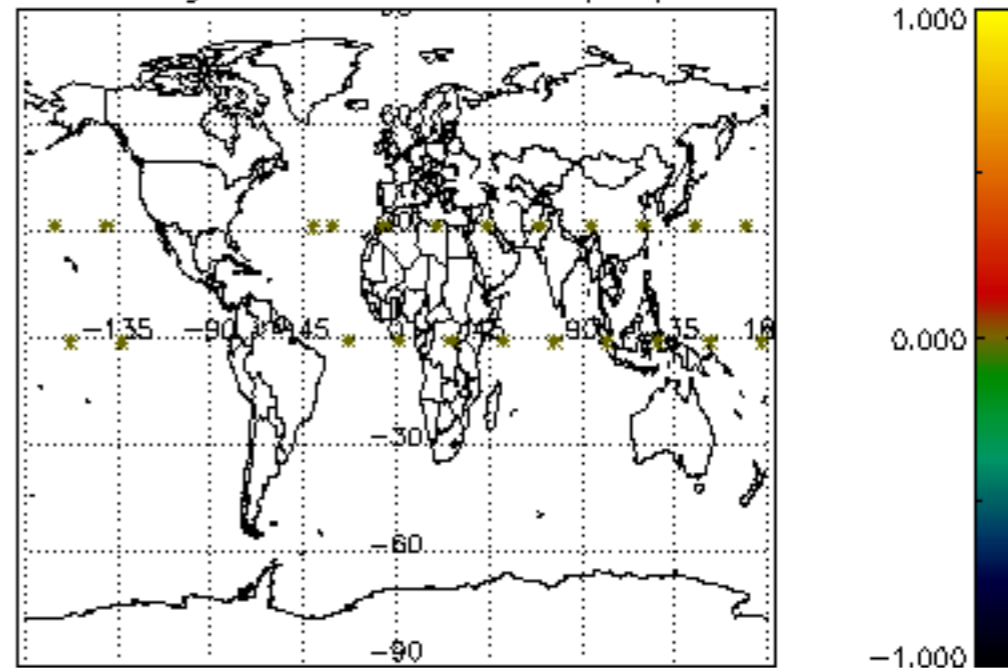
Percentage of datation errors per profile



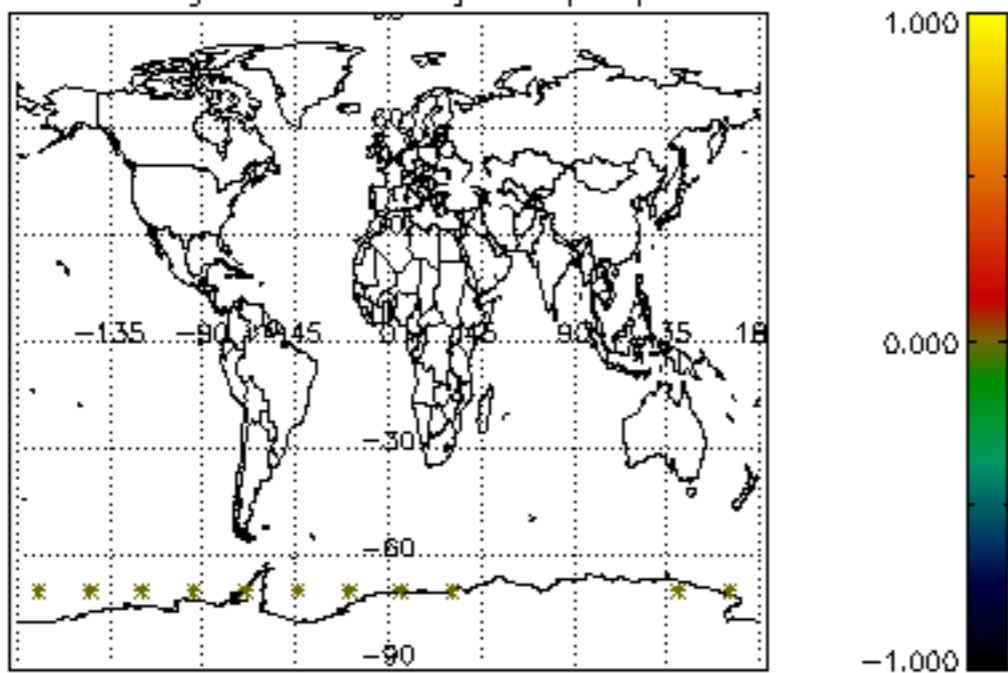
Percentage of star falling outside central band per profile



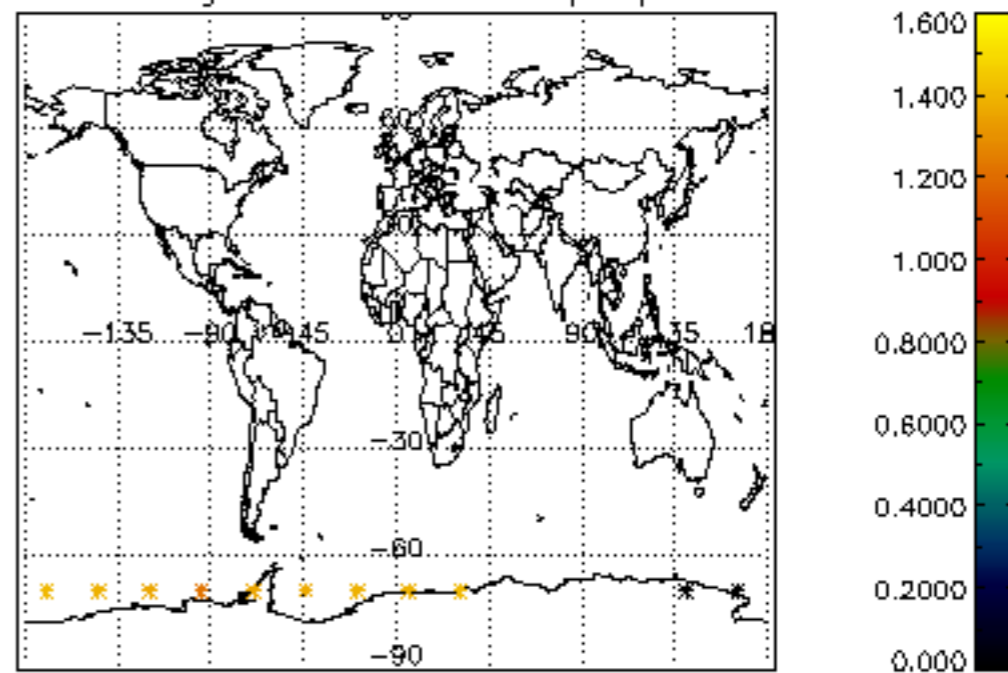
Percentage of saturation errors per profile



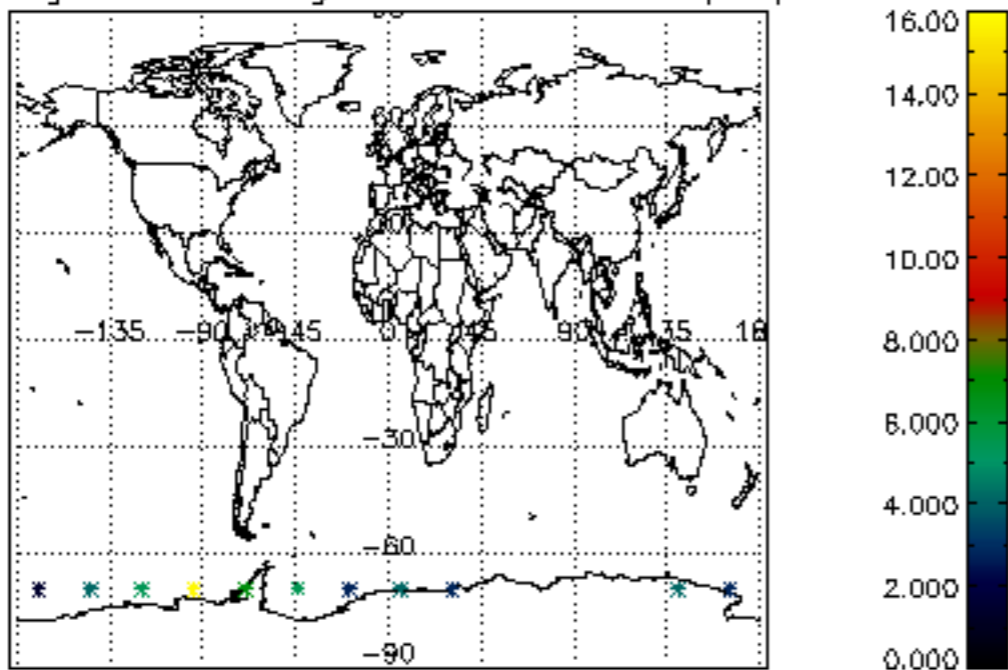
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

