

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 14:11:14
Data source version	GOMOS/6.01
Start time of products	11-03-2012 (11MAR2012 00:00:00)
Stop time of products	12-03-2012 (12MAR2012 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	35
Nb of prods with errors	0

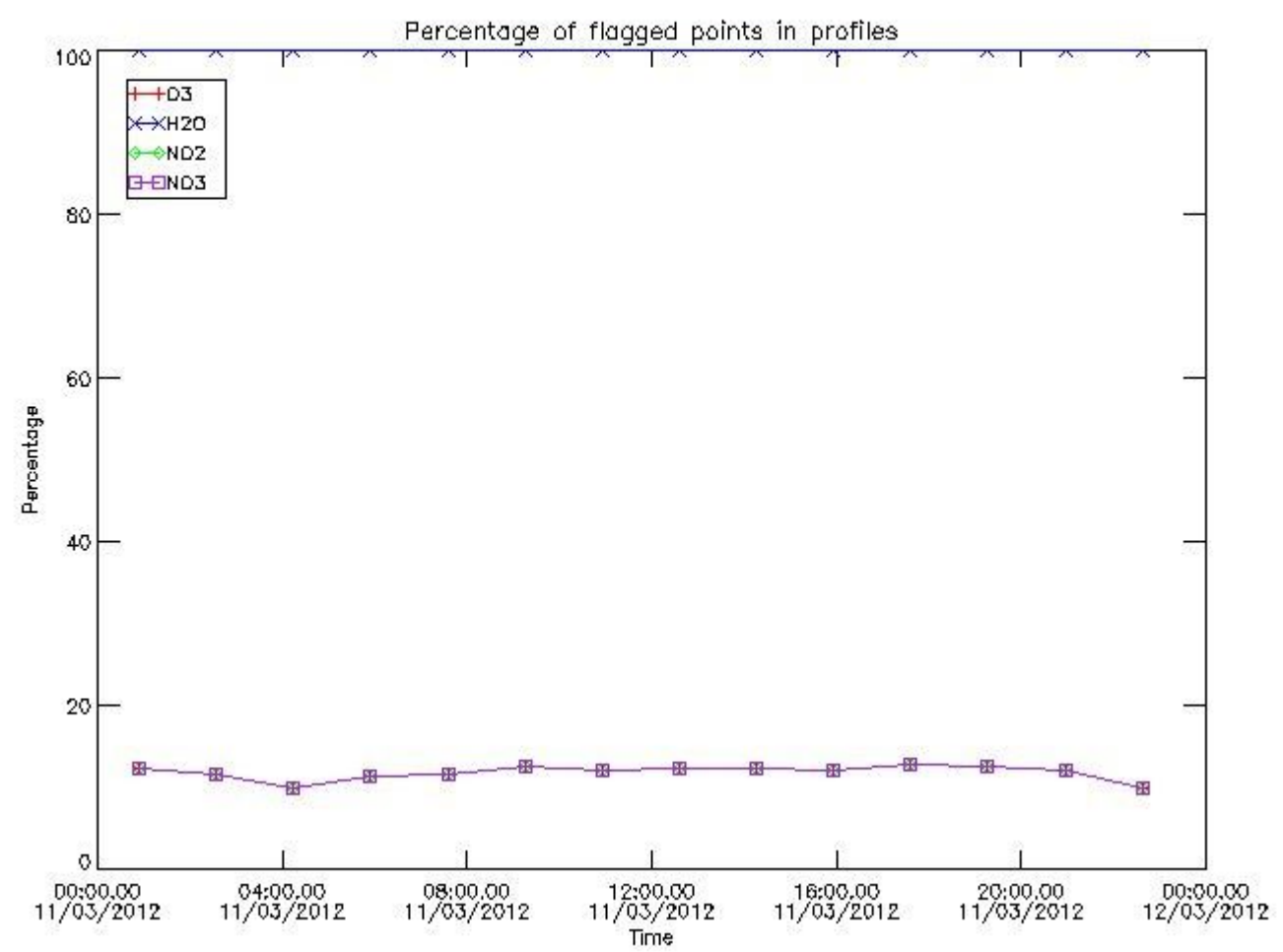
2. Summary of processed GOM_NL__2P products.

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20120311_002245_000000363112_00289_52458_3357.N1	11-MAR-2012 00:22:45	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	52458	No
2	GOM_NL__2PRFIN20120311_005356_000000423112_00290_52459_3368.N1	11-MAR-2012 00:53:56	Dark	41.500	141	Bet Ara	2.8400	4600.0	83	52459	No
3	GOM_NL__2PRFIN20120311_020259_000000383112_00290_52459_3369.N1	11-MAR-2012 02:02:59	Bright	38.000	66	37Gam Cyg	2.2080	5900.0	76	52459	No
4	GOM_NL__2PRFIN20120311_023411_000000443112_00291_52460_3386.N1	11-MAR-2012 02:34:11	Dark	44.000	141	Bet Ara	2.8400	4600.0	88	52460	No
5	GOM_NL__2PRFIN20120311_034312_000000363112_00291_52460_3387.N1	11-MAR-2012 03:43:12	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	52460	No
6	GOM_NL__2PRFIN20120311_041426_000000513112_00292_52461_3399.N1	11-MAR-2012 04:14:26	Dark	50.500	141	Bet Ara	2.8400	4600.0	101	52461	No
7	GOM_NL__2PRFIN20120311_052327_000000363112_00292_52461_3400.N1	11-MAR-2012 05:23:27	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	52461	No
8	GOM_NL__2PRFIN20120311_055440_000000453112_00293_52462_3405.N1	11-MAR-2012 05:54:40	Dark	44.500	141	Bet Ara	2.8400	4600.0	89	52462	No
9	GOM_NL__2PRFIN20120311_070341_000000363112_00293_52462_3406.N1	11-MAR-2012 07:03:41	Bright	35.500	66	37Gam Cyg	2.2080	5900.0	71	52462	No
10	GOM_NL__2PRFIN20120311_073455_000000443112_00294_52463_3439.N1	11-MAR-2012 07:34:55	Dark	44.000	141	Bet Ara	2.8400	4600.0	88	52463	No
11	GOM_NL__2PRFIN20120311_084355_000000373112_00294_52463_3440.N1	11-MAR-2012 08:43:55	Bright	36.500	66	37Gam Cyg	2.2080	5900.0	73	52463	No
12	GOM_NL__2PRFIN20120311_091510_000000443112_00295_52464_3469.N1	11-MAR-2012 09:15:10	Dark	44.000	141	Bet Ara	2.8400	4600.0	88	52464	No
13	GOM_NL__2PRFIN20120311_102409_000000363112_00295_52464_3470.N1	11-MAR-2012 10:24:09	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	52464	No
14	GOM_NL__2PRFIN20120311_105524_000000423112_00296_52465_3519.N1	11-MAR-2012 10:55:24	Dark	41.500	141	Bet Ara	2.8400	4600.0	83	52465	No
15	GOM_NL__2PRFIN20120311_113017_000000303112_00296_52465_3520.N1	11-MAR-2012 11:30:17	Bright	30.000	51	41Gam1Leo	2.0100	4500.0	60	52465	No
16	GOM_NL__2PRFIN20120311_120423_000000393112_00296_52465_3521.N1	11-MAR-2012 12:04:23	Bright	39.000	66	37Gam Cyg	2.2080	5900.0	78	52465	No
17	GOM_NL__2PRFIN20120311_123539_000000413112_00297_52466_3559.N1	11-MAR-2012 12:35:39	Dark	41.000	141	Bet Ara	2.8400	4600.0	82	52466	No
18	GOM_NL__2PRFIN20120311_131031_000000363112_00297_52466_3560.N1	11-MAR-2012 13:10:31	Bright	36.000	51	41Gam1Leo	2.0100	4500.0	72	52466	No
19	GOM_NL__2PRFIN20120311_134437_000000373112_00297_52466_3561.N1	11-MAR-2012 13:44:37	Bright	37.000	66	37Gam Cyg	2.2080	5900.0	74	52466	No
20	GOM_NL__2PRFIN20120311_141553_000000413112_00298_52467_3590.N1	11-MAR-2012 14:15:53	Dark	41.000	141	Bet Ara	2.8400	4600.0	82	52467	No
21	GOM_NL__2PRFIN20120311_145045_000000423112_00298_52467_3591.N1	11-MAR-2012 14:50:45	Bright	42.000	51	41Gam1Leo	2.0100	4500.0	84	52467	No
22	GOM_NL__2PRFIN20120311_152451_000000373112_00298_52467_3592.N1	11-MAR-2012 15:24:51	Bright	36.500	66	37Gam Cyg	2.2080	5900.0	73	52467	No
23	GOM_NL__2PRFIN20120311_155608_000000423112_00299_52468_3622.N1	11-MAR-2012 15:56:08	Dark	41.500	141	Bet Ara	2.8400	4600.0	83	52468	No
24	GOM_NL__2PRFIN20120311_163059_000000393112_00299_52468_3623.N1	11-MAR-2012 16:30:59	Bright	38.500	51	41Gam1Leo	2.0100	4500.0	77	52468	No
25	GOM_NL__2PRFIN20120311_170505_000000383112_00299_52468_3624.N1	11-MAR-2012 17:05:05	Bright	38.000	66	37Gam Cyg	2.2080	5900.0	76	52468	No
26	GOM_NL__2PRFIN20120311_173622_000000443112_00300_52469_3651.N1	11-MAR-2012 17:36:22	Dark	43.500	141	Bet Ara	2.8400	4600.0	87	52469	No
27	GOM_NL__2PRFIN20120311_181113_000000403112_00300_52469_3652.N1	11-MAR-2012 18:11:13	Bright	39.500	51	41Gam1Leo	2.0100	4500.0	79	52469	No
28	GOM_NL__2PRFIN20120311_184519_000000393112_00300_52469_3653.N1	11-MAR-2012 18:45:19	Bright	38.500	66	37Gam Cyg	2.2080	5900.0	77	52469	No
29	GOM_NL__2PRFIN20120311_191637_000000443112_00301_52470_3701.N1	11-MAR-2012 19:16:37	Dark	44.000	141	Bet Ara	2.8400	4600.0	88	52470	No
30	GOM_NL__2PRFIN20120311_195127_000000393112_00301_52470_3702.N1	11-MAR-2012 19:51:27	Bright	39.000	51	41Gam1Leo	2.0100	4500.0	78	52470	No
31	GOM_NL__2PRFIN20120311_202533_000000303112_00301_52470_3703.N1	11-MAR-2012 20:25:33	Bright	30.000	66	37Gam Cyg	2.2080	5900.0	60	52470	No
32	GOM_NL__2PRFIN20120311_205651_000000423112_00302_52471_3750.N1	11-MAR-2012 20:56:51	Dark	42.000	141	Bet Ara	2.8400	4600.0	84	52471	No
33	GOM_NL__2PRFIN20120311_213140_000000393112_00302_52471_3751.N1	11-MAR-2012 21:31:40	Bright	38.500	51	41Gam1Leo	2.0100	4500.0	77	52471	No
34	GOM_NL__2PRFIN20120311_223706_000000523112_00303_52472_3739.N1	11-MAR-2012 22:37:06	Dark	51.500	141	Bet Ara	2.8400	4600.0	103	52472	No
35	GOM_NL__2PRFIN20120311_231154_000000383112_00303_52472_3740.N1	11-MAR-2012 23:11:54	Bright	38.000	51	41Gam1Leo	2.0100	4500.0	76	52472	No

3. Quality information per product

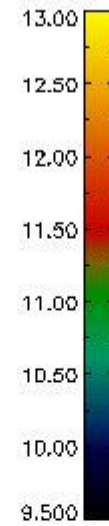
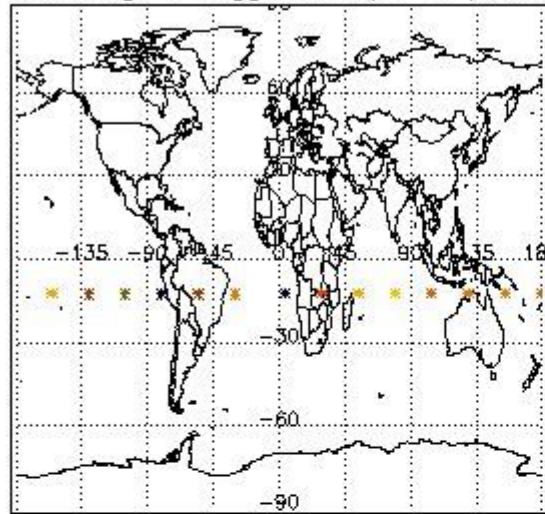
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

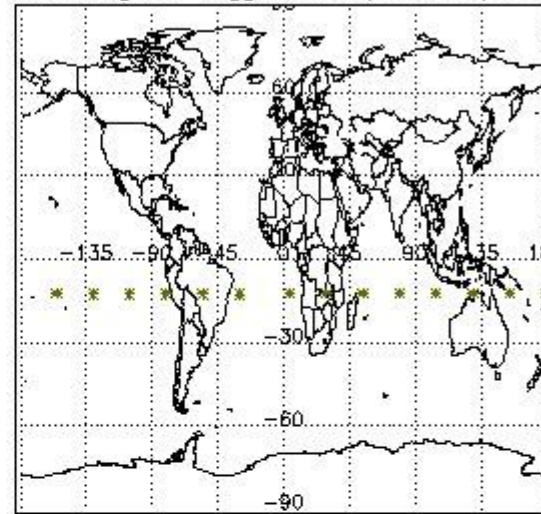


3.2 Plot quality information per product (world map)

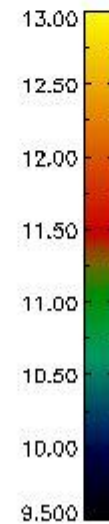
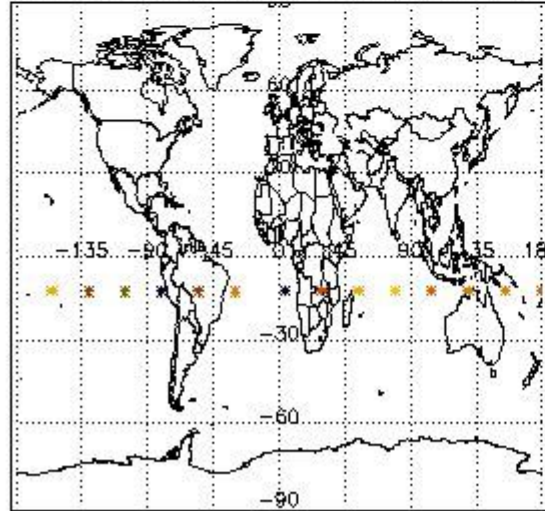
Percentage of flagged data per O3 profile



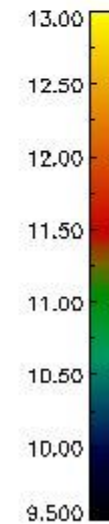
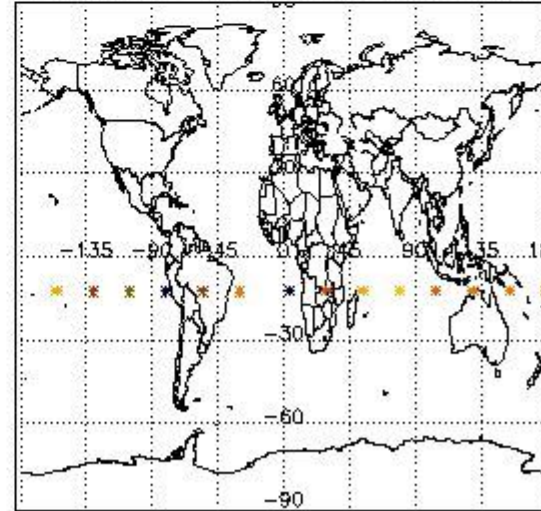
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

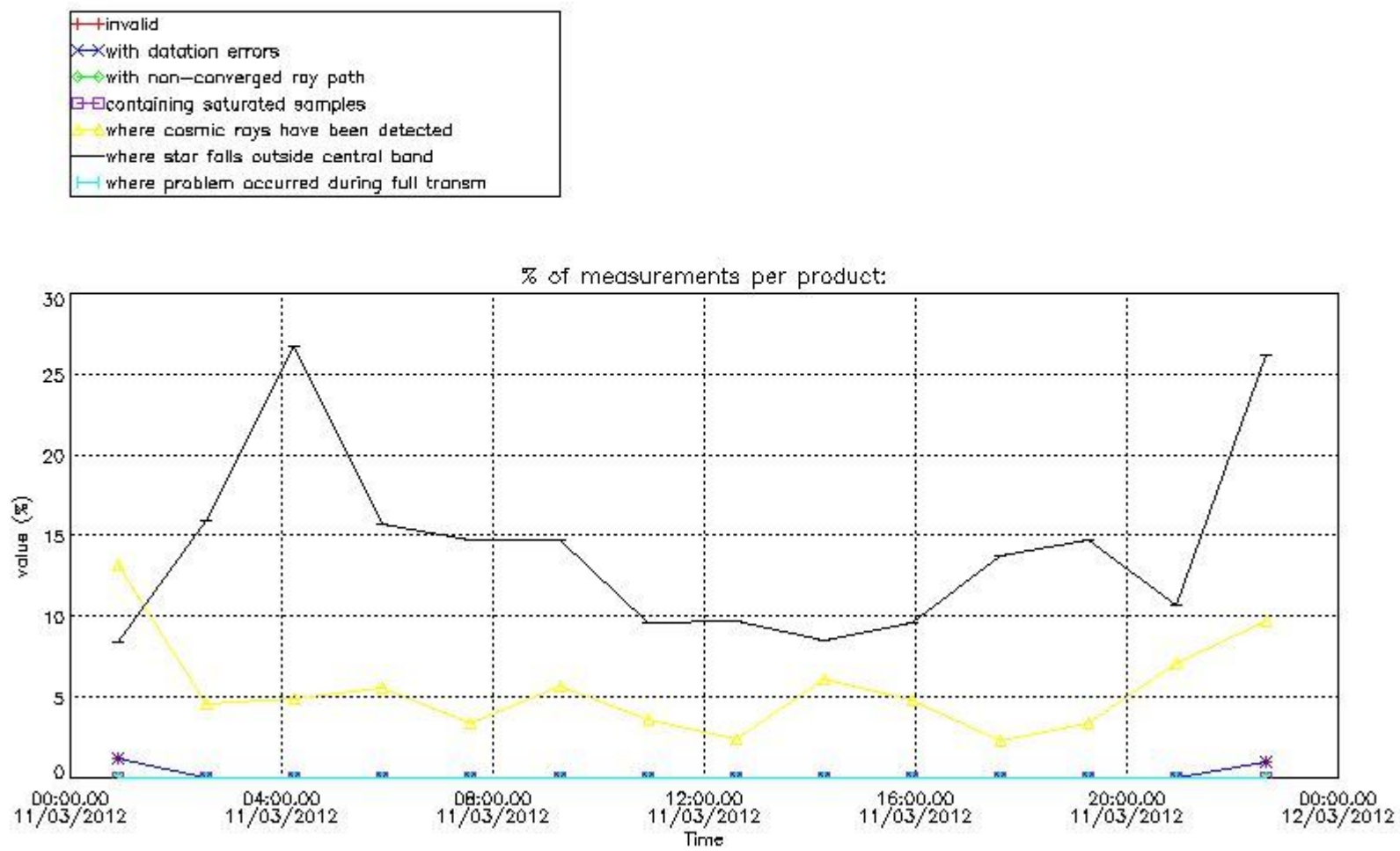


4. Level 1 quality information per product

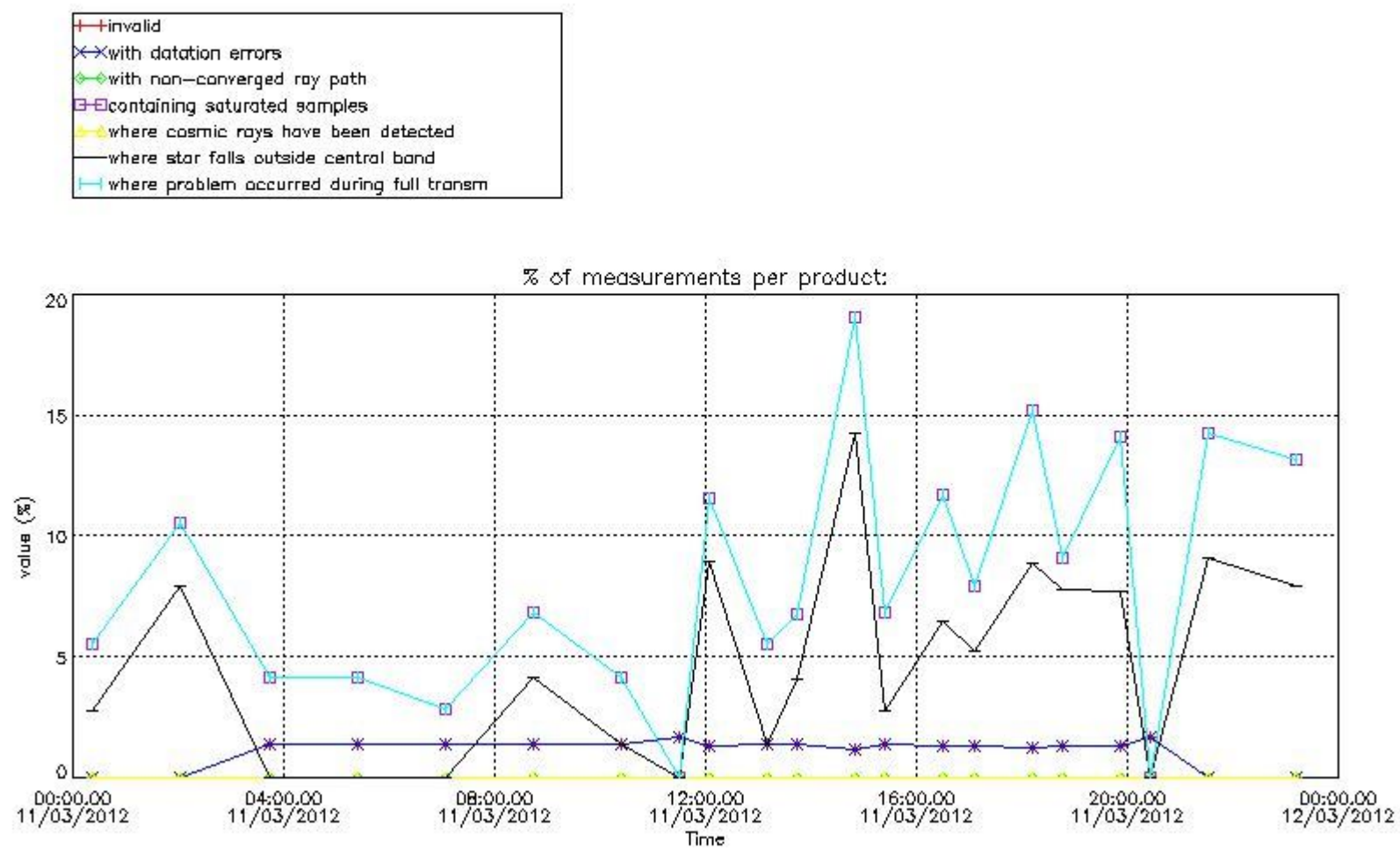
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



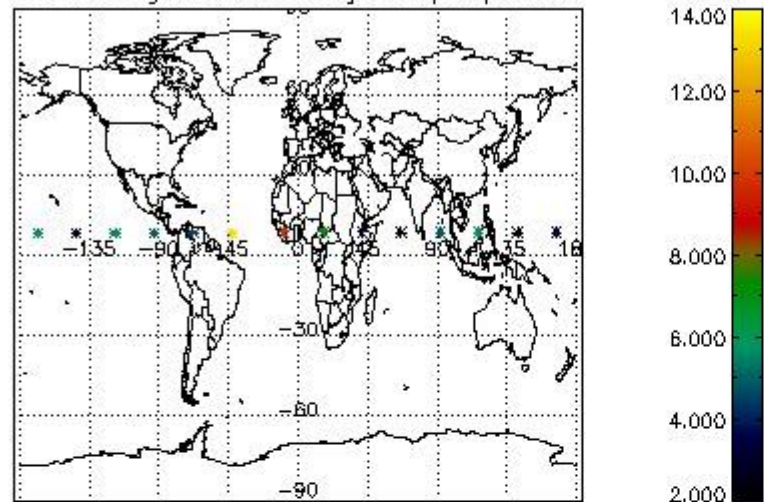
4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



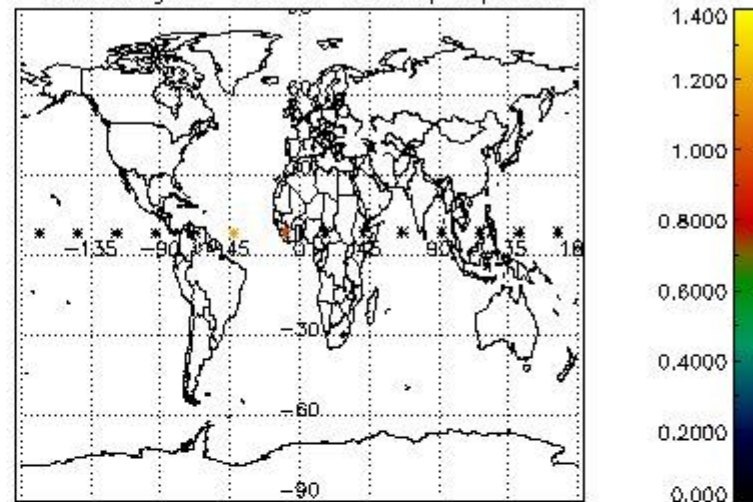
4.2 Plot quality information per product coming from level 1b processing (world map)

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

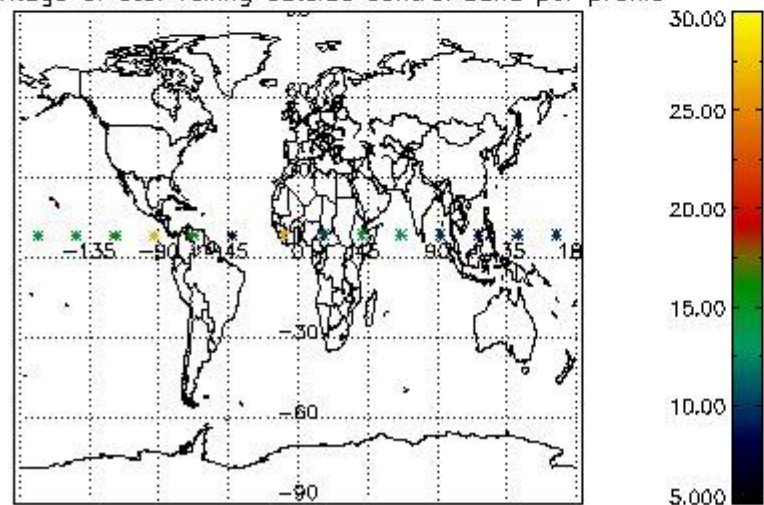
Percentage of cosmic ray hits per profile



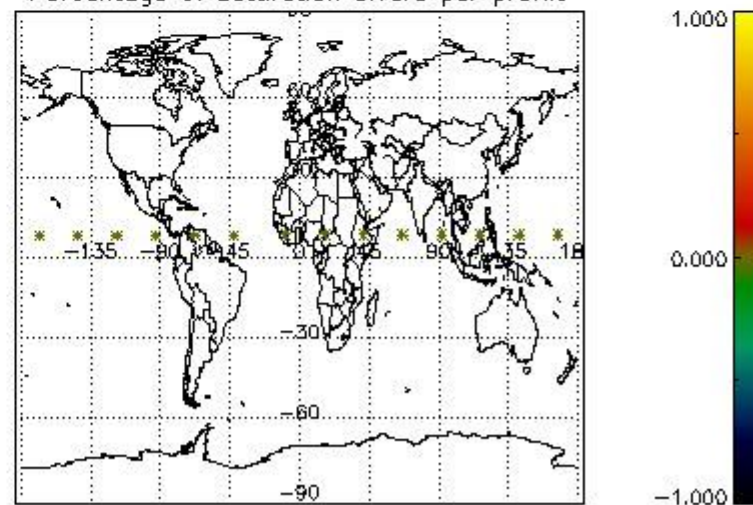
Percentage of datation errors per profile



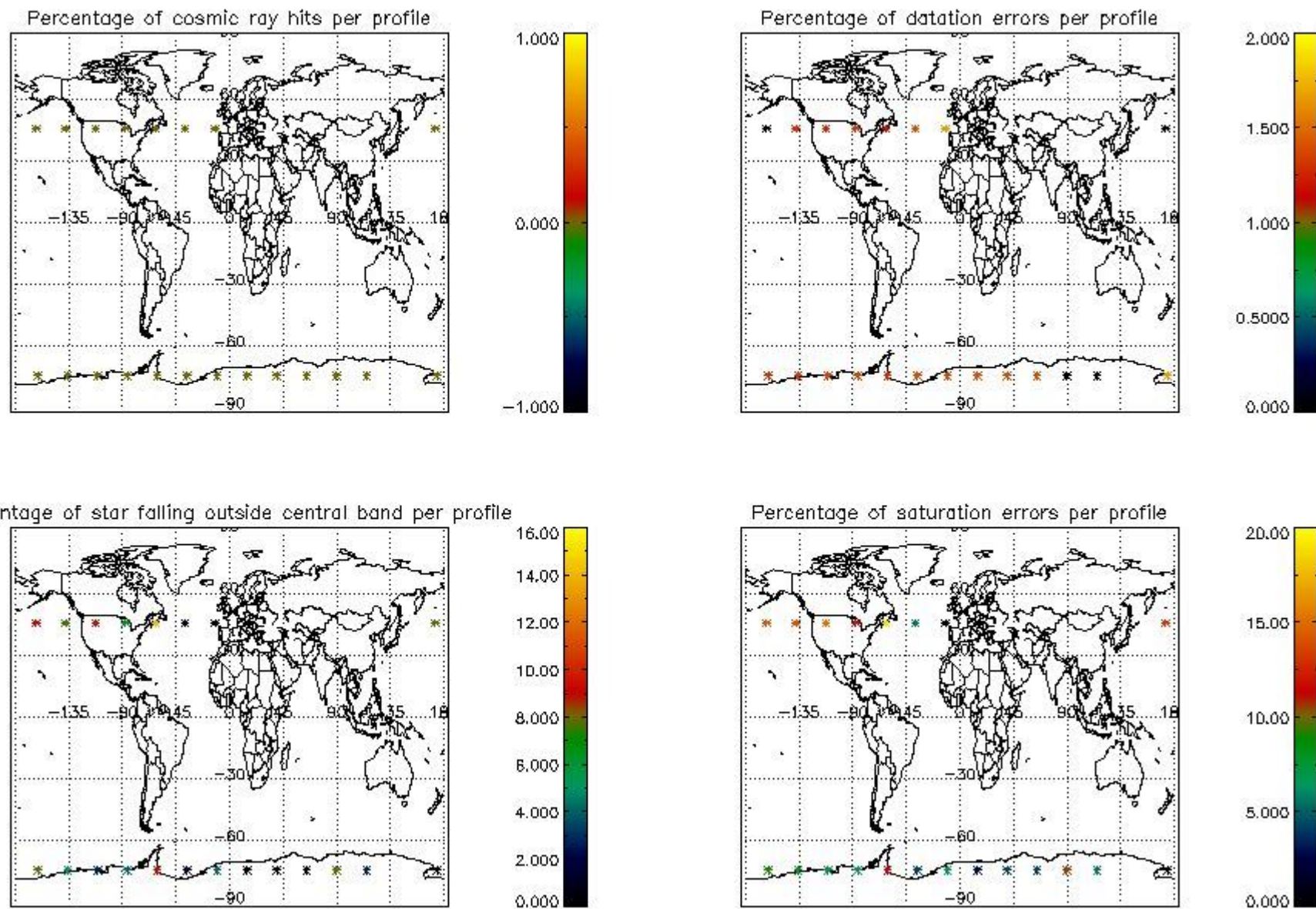
Percentage of star falling outside central band per profile



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

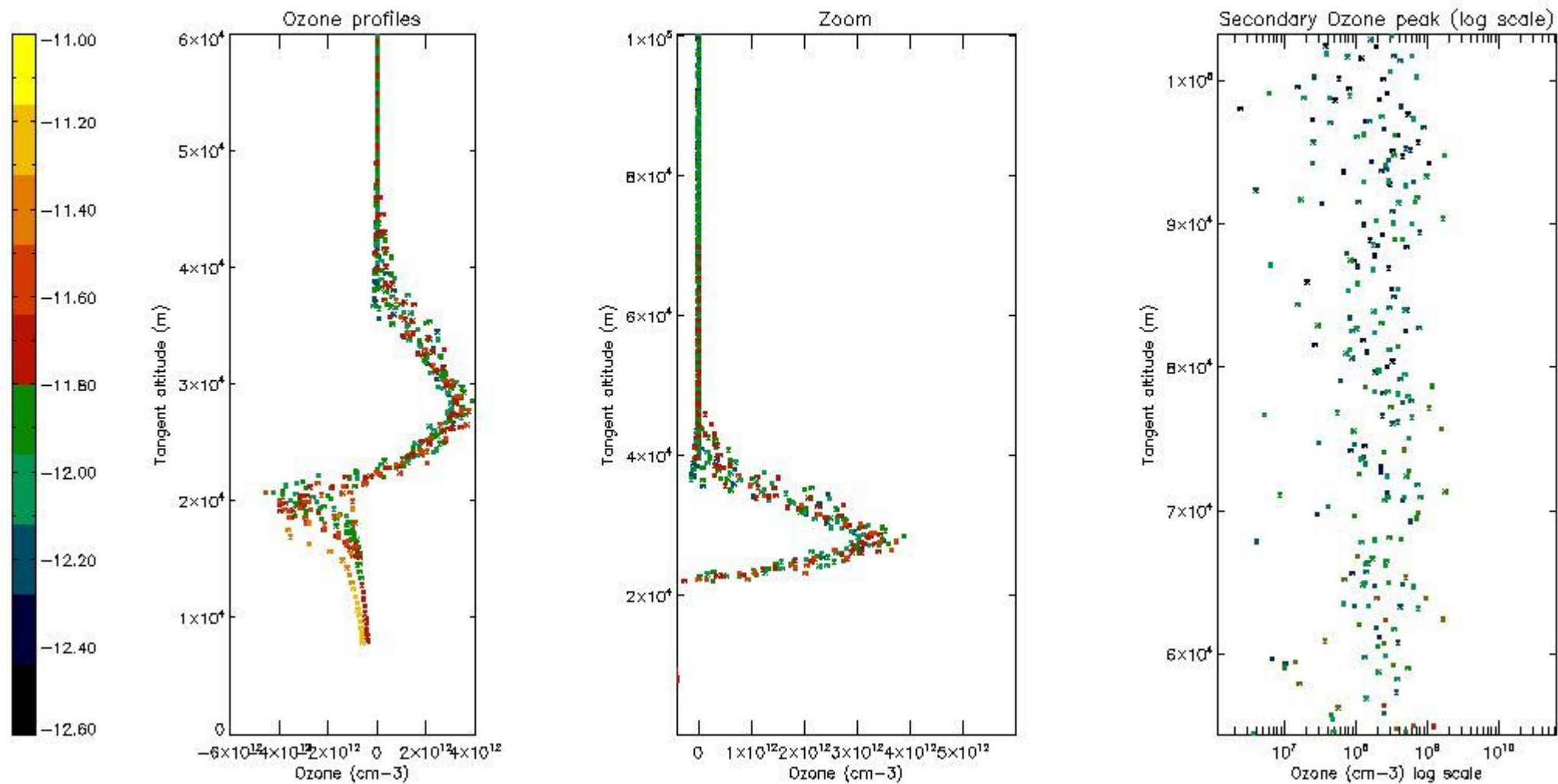
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	46
STD < 20	11

STD < 10	5
STD < 5	3

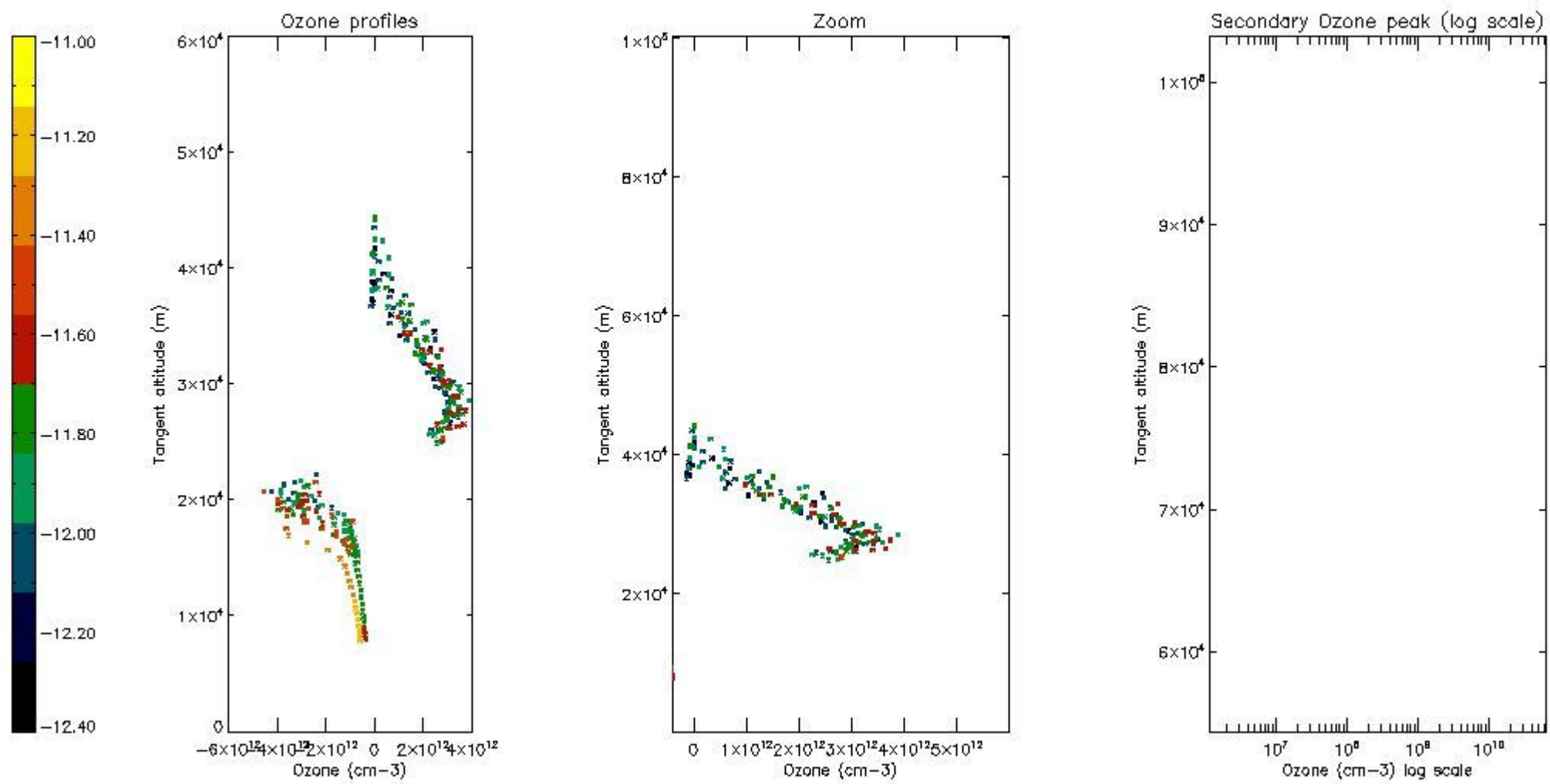
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



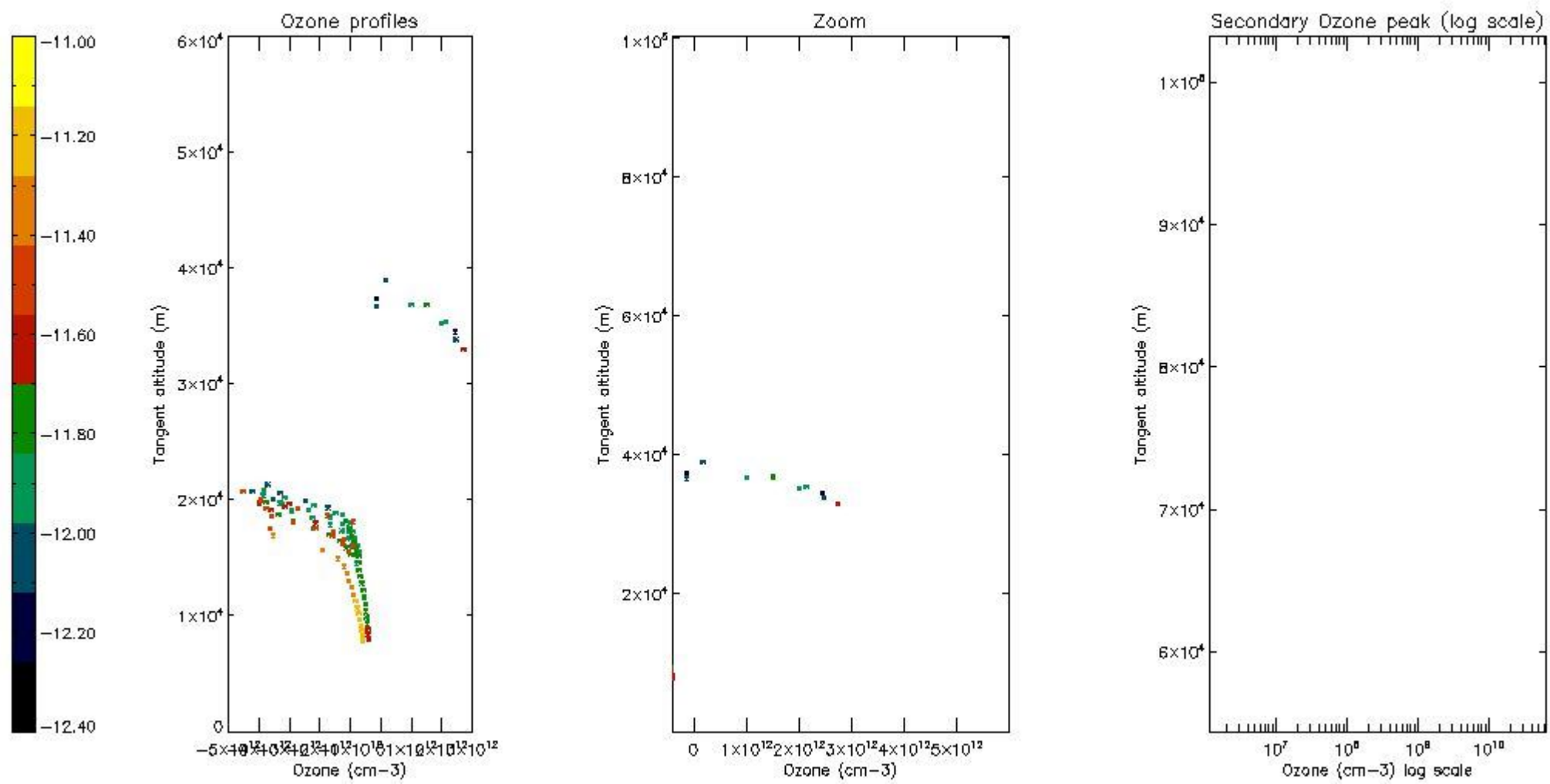
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



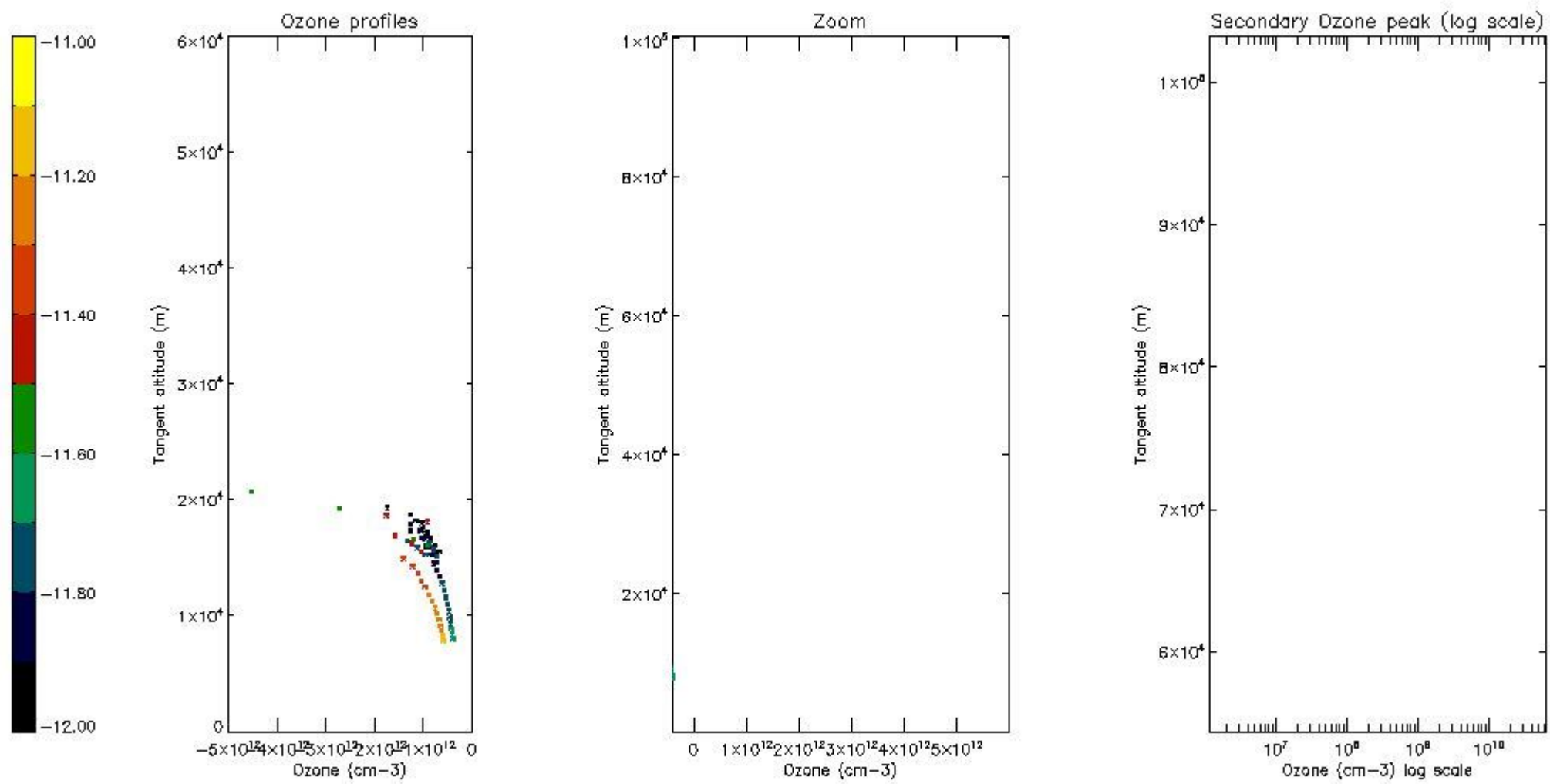
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



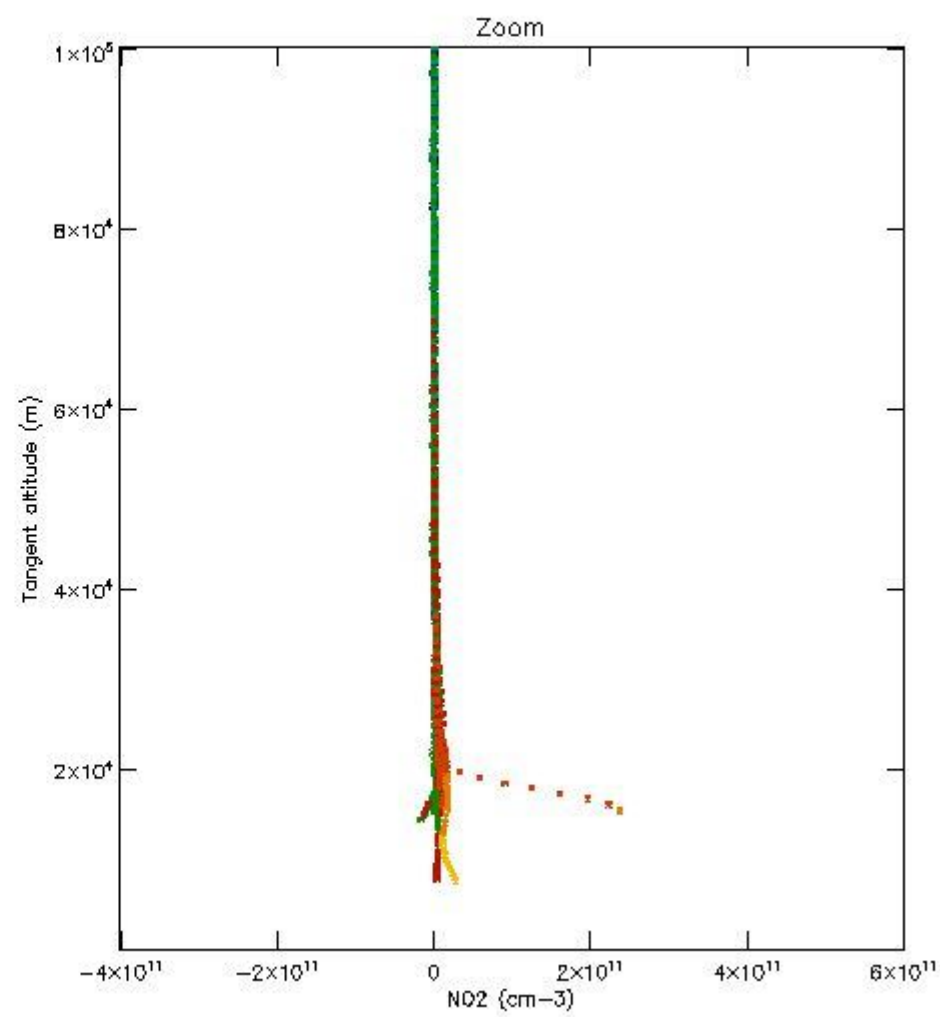
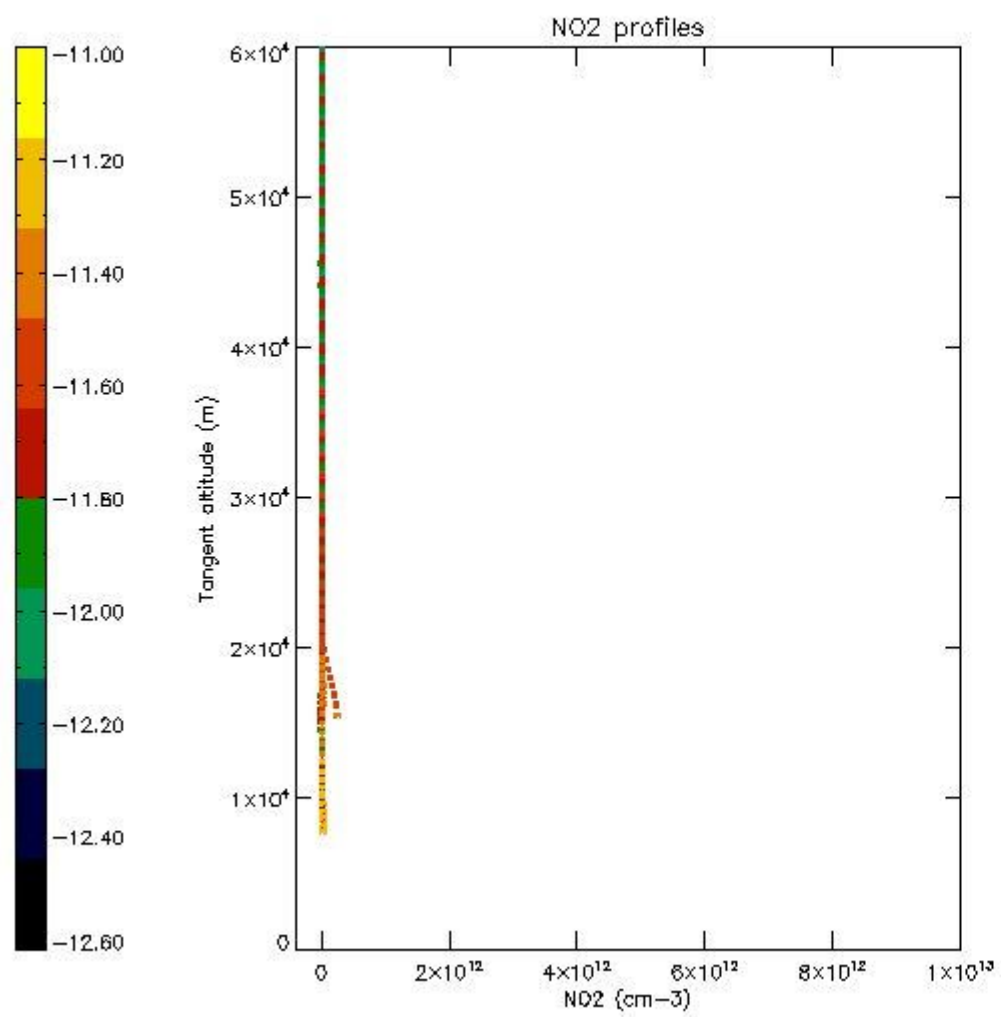
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



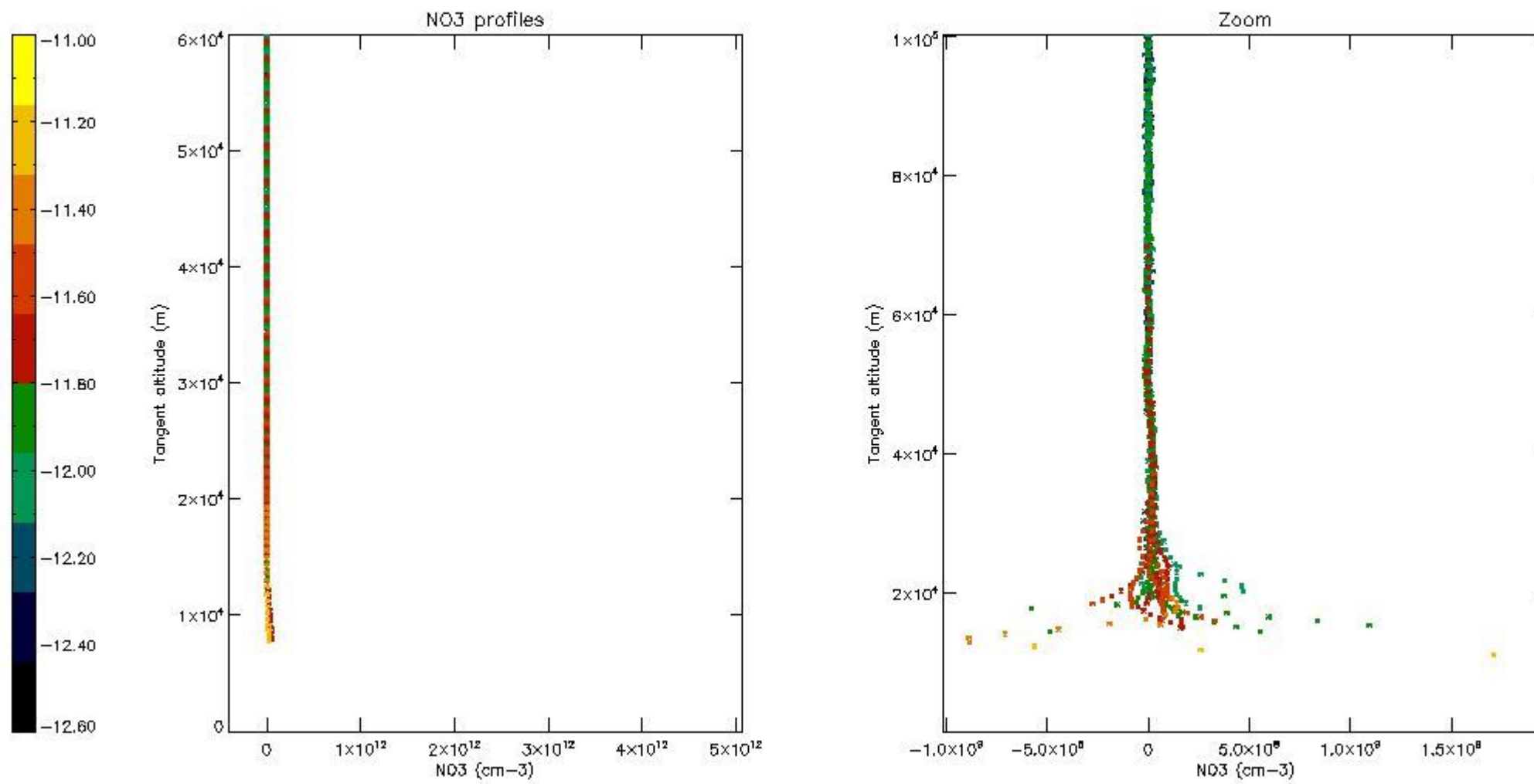
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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	11-MAR-2012 00:22:45
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	11-MAR-2012 00:22:45
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	11-MAR-2012 00:22:45

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[4.2.1 Plot of level 1 quality information per product \(world map\): ASCENDING](#)

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Time of report generation	18APR2013 14:11:14
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Nb of level 2 prods	35
Nb of prods with errors	0

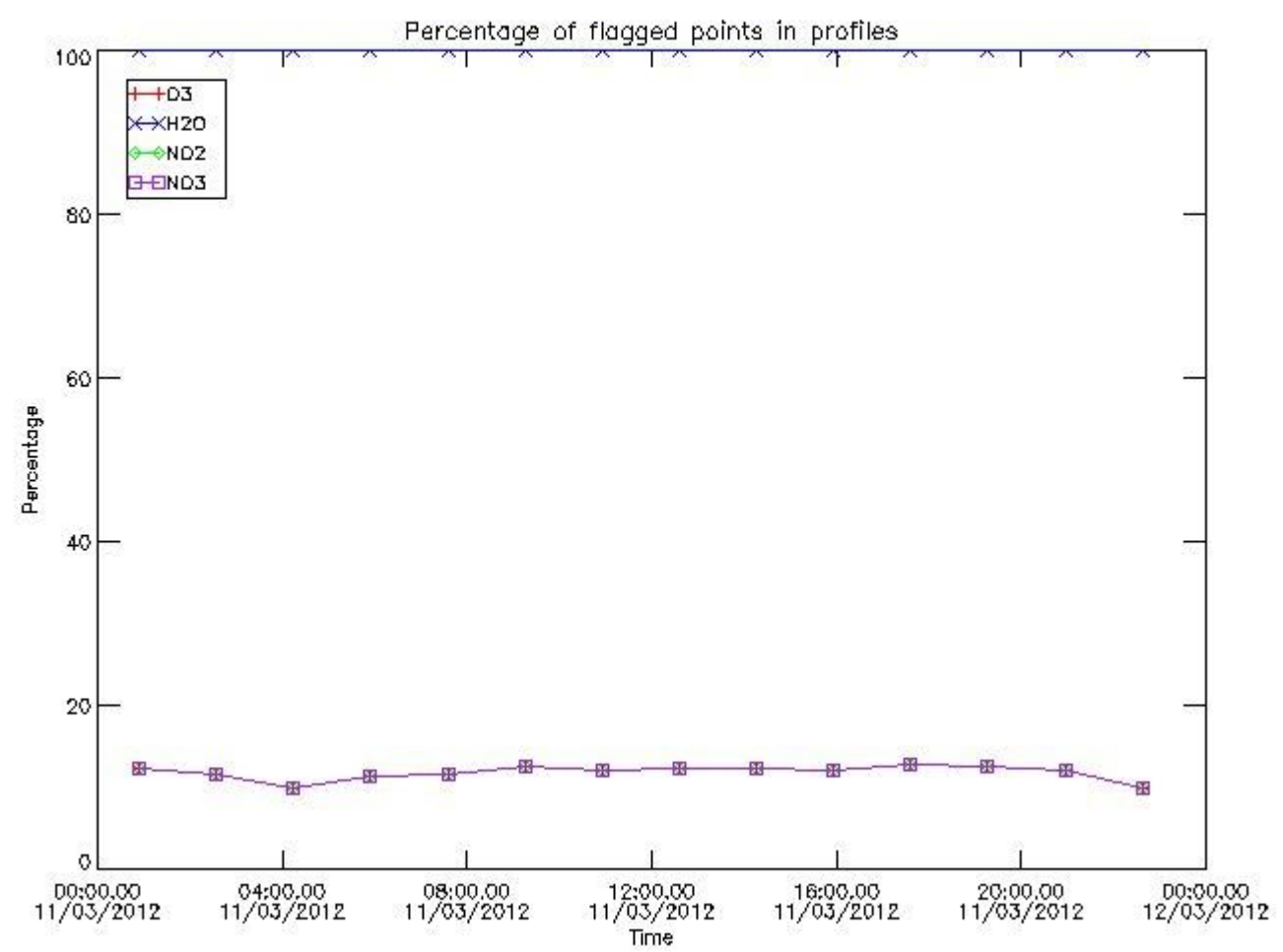
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Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20120311_002245_000000363112_00289_52458_3357.N1	11-MAR-2012 00:22:45	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	52458	No
2	GOM_NL__2PRFIN20120311_005356_000000423112_00290_52459_3368.N1	11-MAR-2012 00:53:56	Dark	41.500	141	Bet Ara	2.8400	4600.0	83	52459	No
3	GOM_NL__2PRFIN20120311_020259_000000383112_00290_52459_3369.N1	11-MAR-2012 02:02:59	Bright	38.000	66	37Gam Cyg	2.2080	5900.0	76	52459	No
4	GOM_NL__2PRFIN20120311_023411_000000443112_00291_52460_3386.N1	11-MAR-2012 02:34:11	Dark	44.000	141	Bet Ara	2.8400	4600.0	88	52460	No
5	GOM_NL__2PRFIN20120311_034312_000000363112_00291_52460_3387.N1	11-MAR-2012 03:43:12	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	52460	No
6	GOM_NL__2PRFIN20120311_041426_000000513112_00292_52461_3399.N1	11-MAR-2012 04:14:26	Dark	50.500	141	Bet Ara	2.8400	4600.0	101	52461	No
7	GOM_NL__2PRFIN20120311_052327_000000363112_00292_52461_3400.N1	11-MAR-2012 05:23:27	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	52461	No
8	GOM_NL__2PRFIN20120311_055440_000000453112_00293_52462_3405.N1	11-MAR-2012 05:54:40	Dark	44.500	141	Bet Ara	2.8400	4600.0	89	52462	No
9	GOM_NL__2PRFIN20120311_070341_000000363112_00293_52462_3406.N1	11-MAR-2012 07:03:41	Bright	35.500	66	37Gam Cyg	2.2080	5900.0	71	52462	No
10	GOM_NL__2PRFIN20120311_073455_000000443112_00294_52463_3439.N1	11-MAR-2012 07:34:55	Dark	44.000	141	Bet Ara	2.8400	4600.0	88	52463	No
11	GOM_NL__2PRFIN20120311_084355_000000373112_00294_52463_3440.N1	11-MAR-2012 08:43:55	Bright	36.500	66	37Gam Cyg	2.2080	5900.0	73	52463	No
12	GOM_NL__2PRFIN20120311_091510_000000443112_00295_52464_3469.N1	11-MAR-2012 09:15:10	Dark	44.000	141	Bet Ara	2.8400	4600.0	88	52464	No
13	GOM_NL__2PRFIN20120311_102409_000000363112_00295_52464_3470.N1	11-MAR-2012 10:24:09	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	52464	No
14	GOM_NL__2PRFIN20120311_105524_000000423112_00296_52465_3519.N1	11-MAR-2012 10:55:24	Dark	41.500	141	Bet Ara	2.8400	4600.0	83	52465	No
15	GOM_NL__2PRFIN20120311_113017_000000303112_00296_52465_3520.N1	11-MAR-2012 11:30:17	Bright	30.000	51	41Gam1Leo	2.0100	4500.0	60	52465	No
16	GOM_NL__2PRFIN20120311_120423_000000393112_00296_52465_3521.N1	11-MAR-2012 12:04:23	Bright	39.000	66	37Gam Cyg	2.2080	5900.0	78	52465	No
17	GOM_NL__2PRFIN20120311_123539_000000413112_00297_52466_3559.N1	11-MAR-2012 12:35:39	Dark	41.000	141	Bet Ara	2.8400	4600.0	82	52466	No
18	GOM_NL__2PRFIN20120311_131031_000000363112_00297_52466_3560.N1	11-MAR-2012 13:10:31	Bright	36.000	51	41Gam1Leo	2.0100	4500.0	72	52466	No
19	GOM_NL__2PRFIN20120311_134437_000000373112_00297_52466_3561.N1	11-MAR-2012 13:44:37	Bright	37.000	66	37Gam Cyg	2.2080	5900.0	74	52466	No
20	GOM_NL__2PRFIN20120311_141553_000000413112_00298_52467_3590.N1	11-MAR-2012 14:15:53	Dark	41.000	141	Bet Ara	2.8400	4600.0	82	52467	No
21	GOM_NL__2PRFIN20120311_145045_000000423112_00298_52467_3591.N1	11-MAR-2012 14:50:45	Bright	42.000	51	41Gam1Leo	2.0100	4500.0	84	52467	No
22	GOM_NL__2PRFIN20120311_152451_000000373112_00298_52467_3592.N1	11-MAR-2012 15:24:51	Bright	36.500	66	37Gam Cyg	2.2080	5900.0	73	52467	No
23	GOM_NL__2PRFIN20120311_155608_000000423112_00299_52468_3622.N1	11-MAR-2012 15:56:08	Dark	41.500	141	Bet Ara	2.8400	4600.0	83	52468	No
24	GOM_NL__2PRFIN20120311_163059_000000393112_00299_52468_3623.N1	11-MAR-2012 16:30:59	Bright	38.500	51	41Gam1Leo	2.0100	4500.0	77	52468	No
25	GOM_NL__2PRFIN20120311_170505_000000383112_00299_52468_3624.N1	11-MAR-2012 17:05:05	Bright	38.000	66	37Gam Cyg	2.2080	5900.0	76	52468	No
26	GOM_NL__2PRFIN20120311_173622_000000443112_00300_52469_3651.N1	11-MAR-2012 17:36:22	Dark	43.500	141	Bet Ara	2.8400	4600.0	87	52469	No
27	GOM_NL__2PRFIN20120311_181113_000000403112_00300_52469_3652.N1	11-MAR-2012 18:11:13	Bright	39.500	51	41Gam1Leo	2.0100	4500.0	79	52469	No
28	GOM_NL__2PRFIN20120311_184519_000000393112_00300_52469_3653.N1	11-MAR-2012 18:45:19	Bright	38.500	66	37Gam Cyg	2.2080	5900.0	77	52469	No
29	GOM_NL__2PRFIN20120311_191637_000000443112_00301_52470_3701.N1	11-MAR-2012 19:16:37	Dark	44.000	141	Bet Ara	2.8400	4600.0	88	52470	No
30	GOM_NL__2PRFIN20120311_195127_000000393112_00301_52470_3702.N1	11-MAR-2012 19:51:27	Bright	39.000	51	41Gam1Leo	2.0100	4500.0	78	52470	No
31	GOM_NL__2PRFIN20120311_202533_000000303112_00301_52470_3703.N1	11-MAR-2012 20:25:33	Bright	30.000	66	37Gam Cyg	2.2080	5900.0	60	52470	No
32	GOM_NL__2PRFIN20120311_205651_000000423112_00302_52471_3750.N1	11-MAR-2012 20:56:51	Dark	42.000	141	Bet Ara	2.8400	4600.0	84	52471	No
33	GOM_NL__2PRFIN20120311_213140_000000393112_00302_52471_3751.N1	11-MAR-2012 21:31:40	Bright	38.500	51	41Gam1Leo	2.0100	4500.0	77	52471	No
34	GOM_NL__2PRFIN20120311_223706_000000523112_00303_52472_3739.N1	11-MAR-2012 22:37:06	Dark	51.500	141	Bet Ara	2.8400	4600.0	103	52472	No
35	GOM_NL__2PRFIN20120311_231154_000000383112_00303_52472_3740.N1	11-MAR-2012 23:11:54	Bright	38.000	51	41Gam1Leo	2.0100	4500.0	76	52472	No

3. Quality information per product

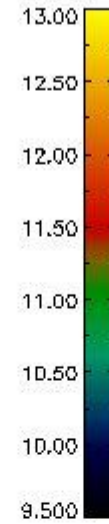
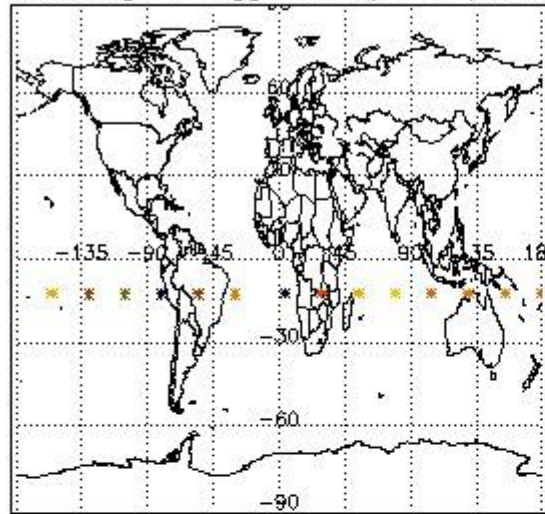
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

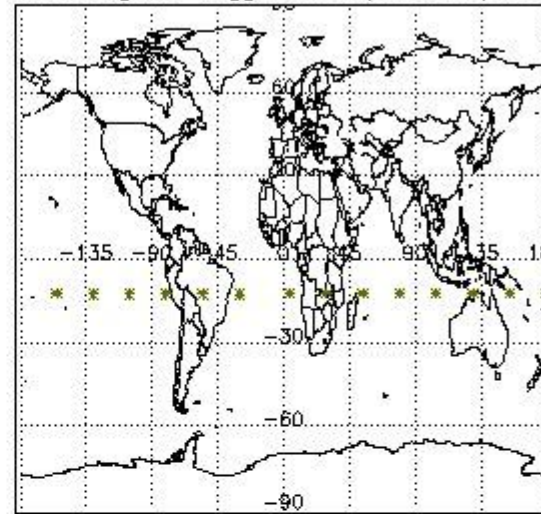


3.2 Plot quality information per product (world map)

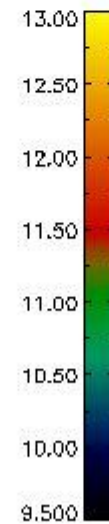
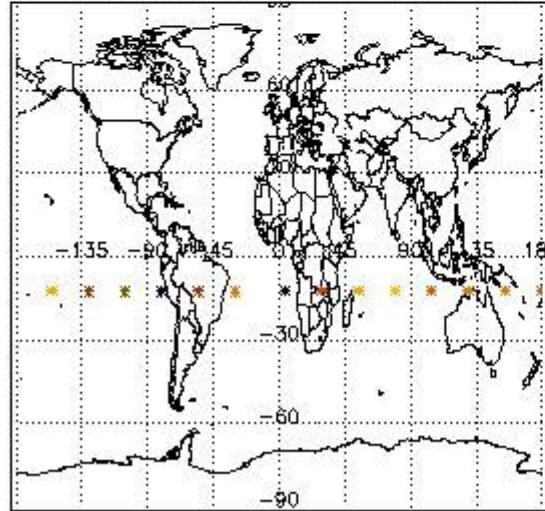
Percentage of flagged data per O3 profile



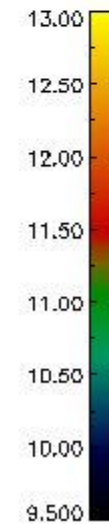
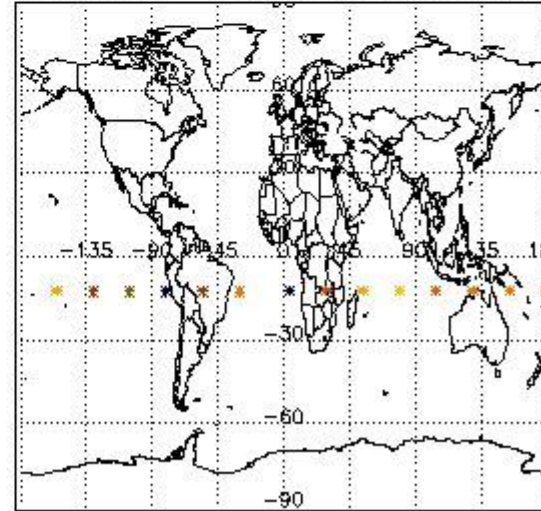
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

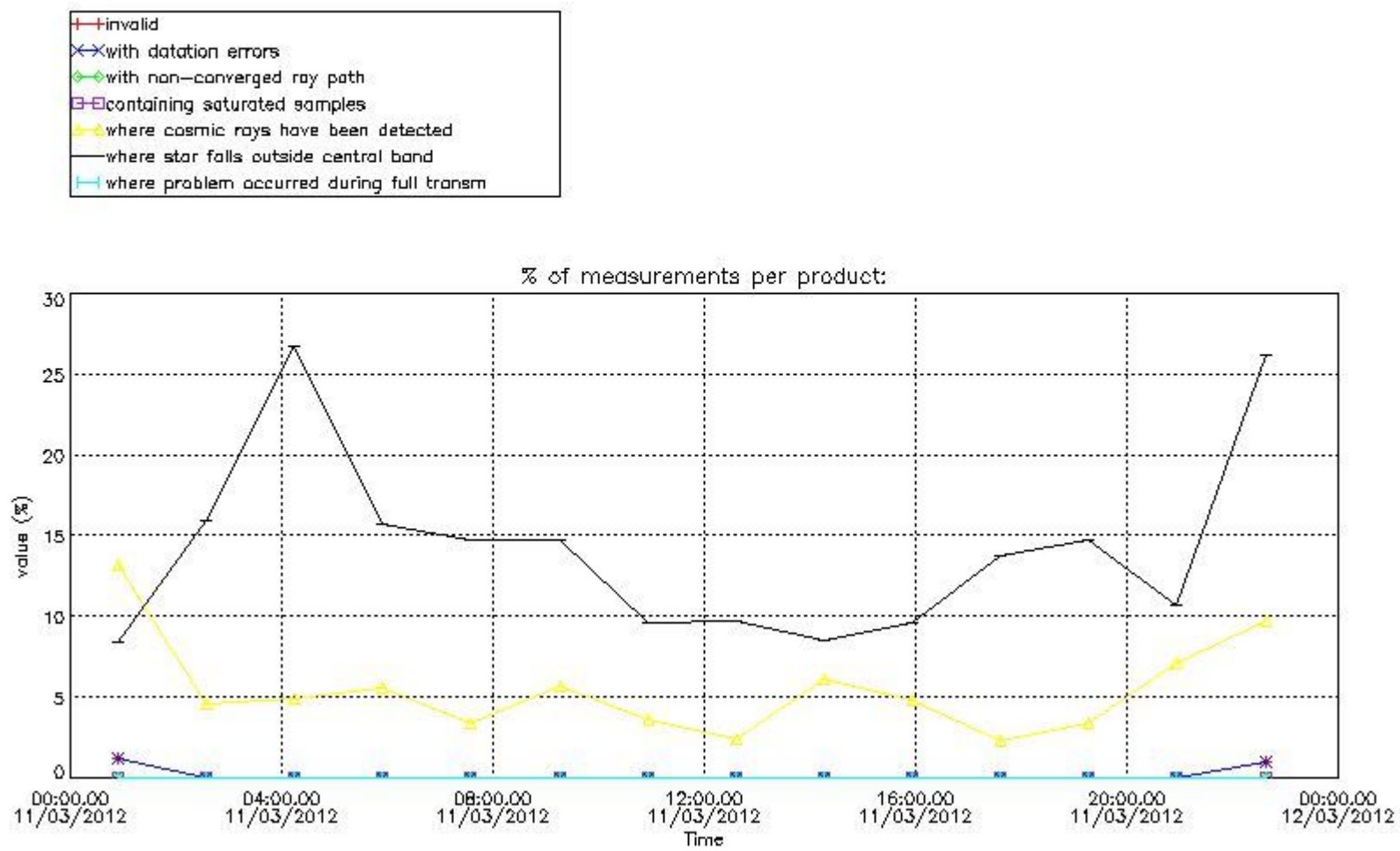


4. Level 1 quality information per product

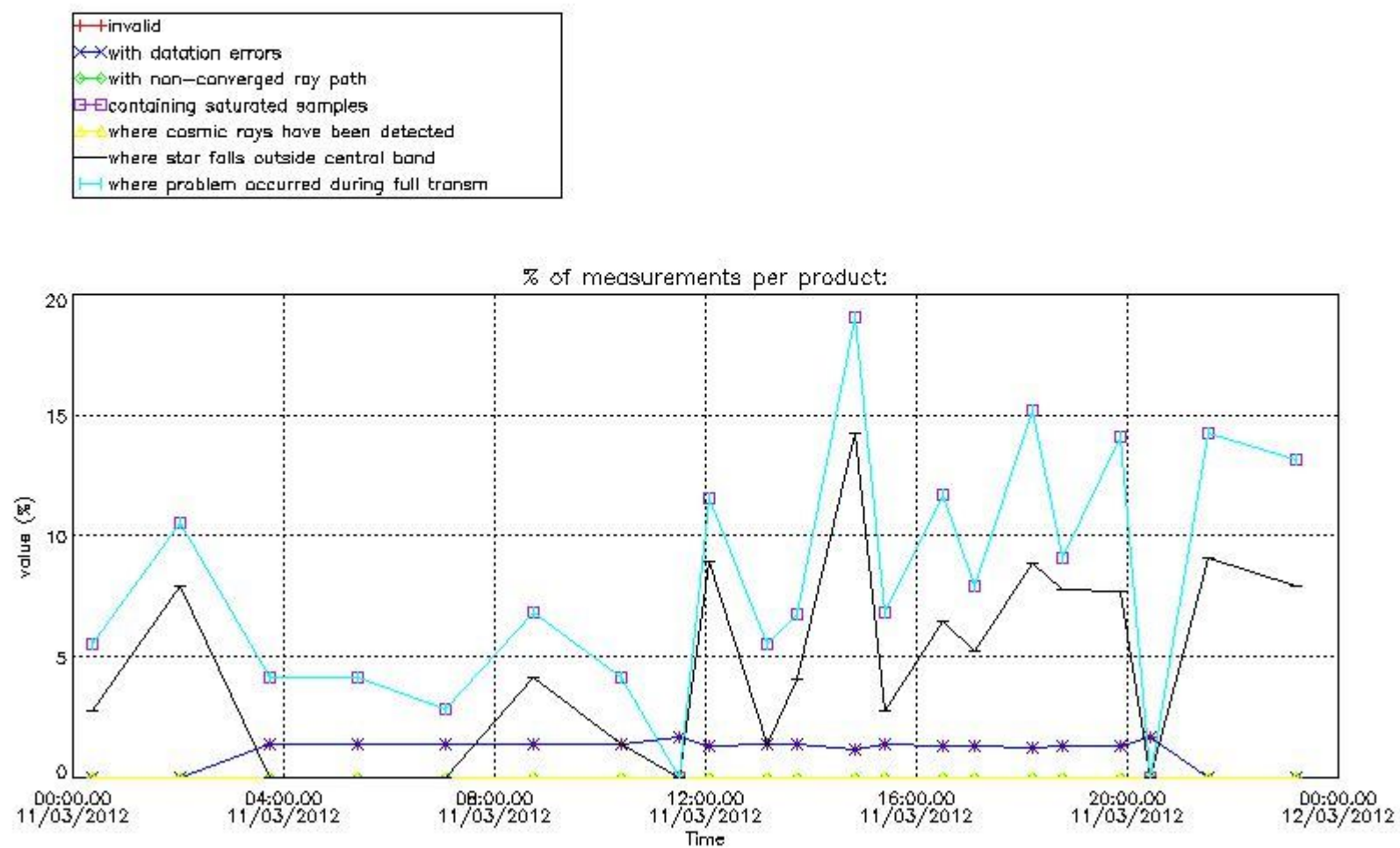
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



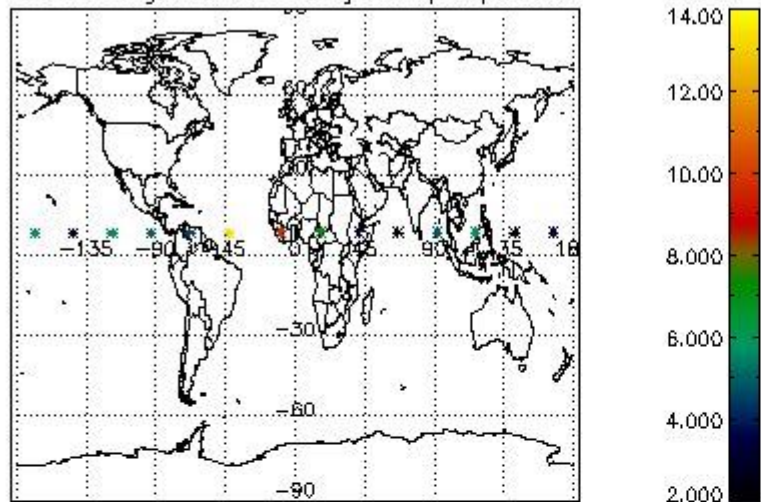
4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



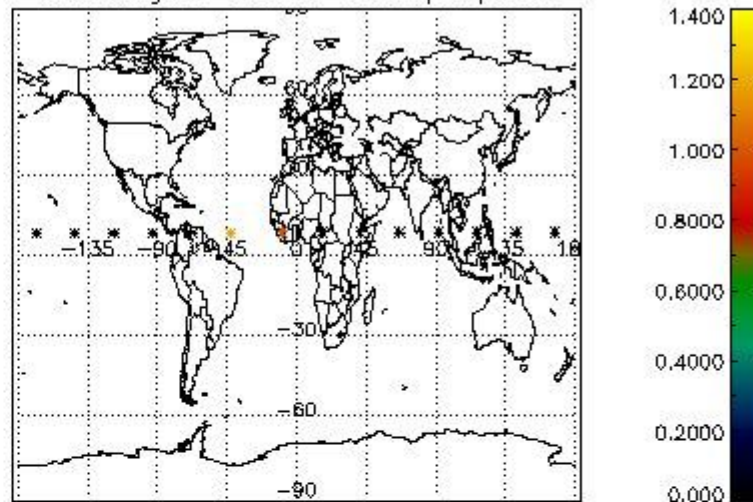
4.2 Plot quality information per product coming from level 1b processing (world map)

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

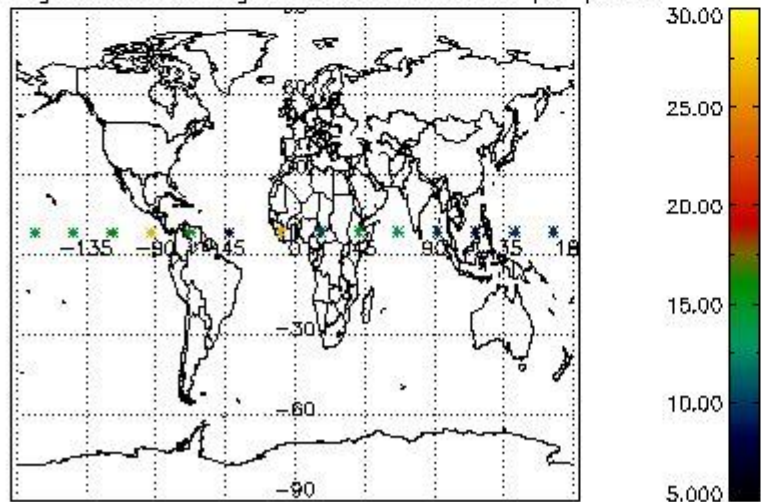
Percentage of cosmic ray hits per profile



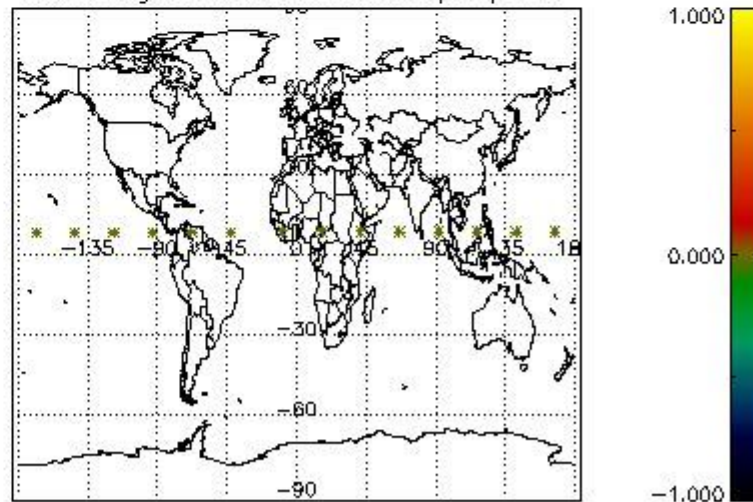
Percentage of datation errors per profile



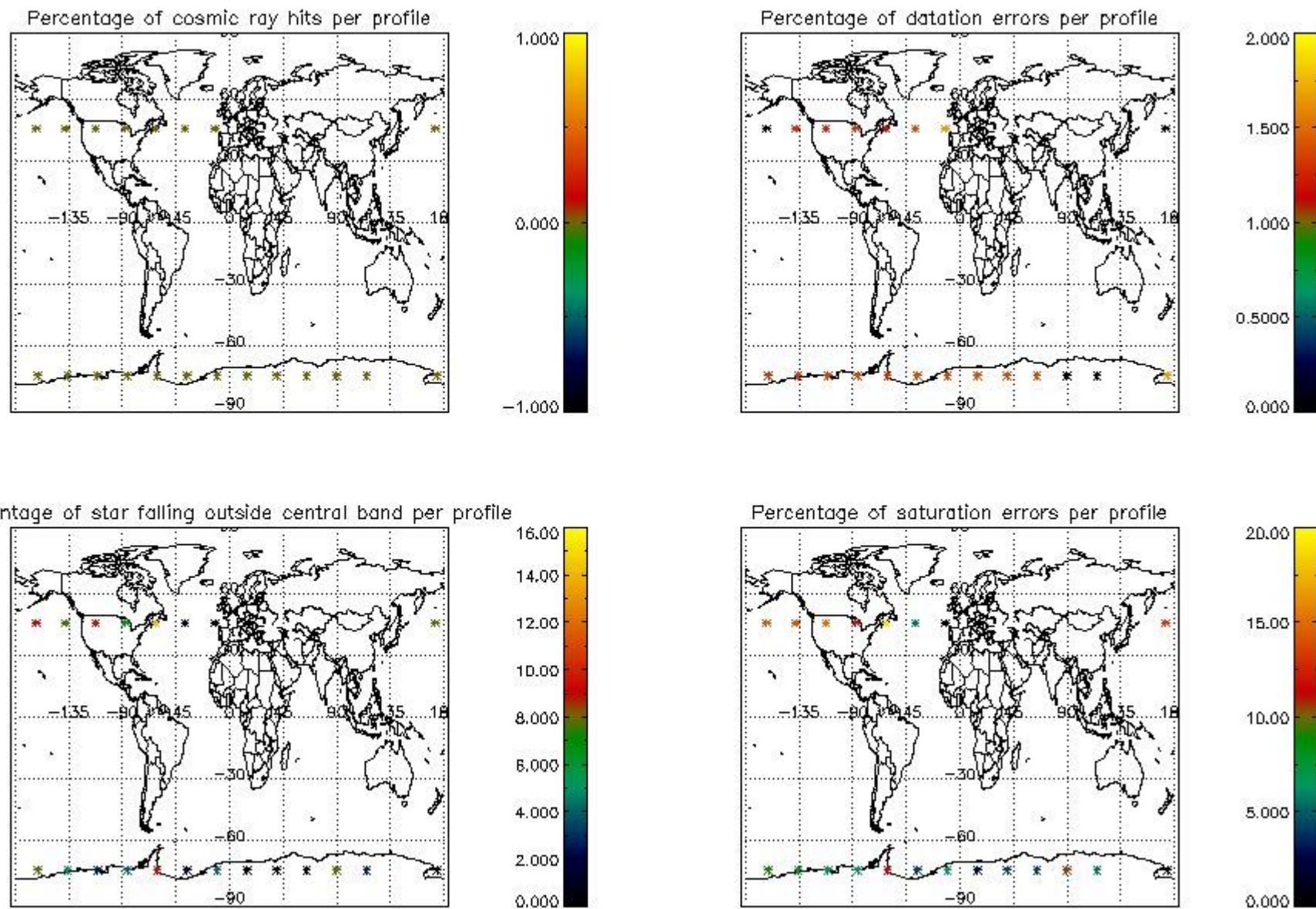
Percentage of star falling outside central band per profile



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

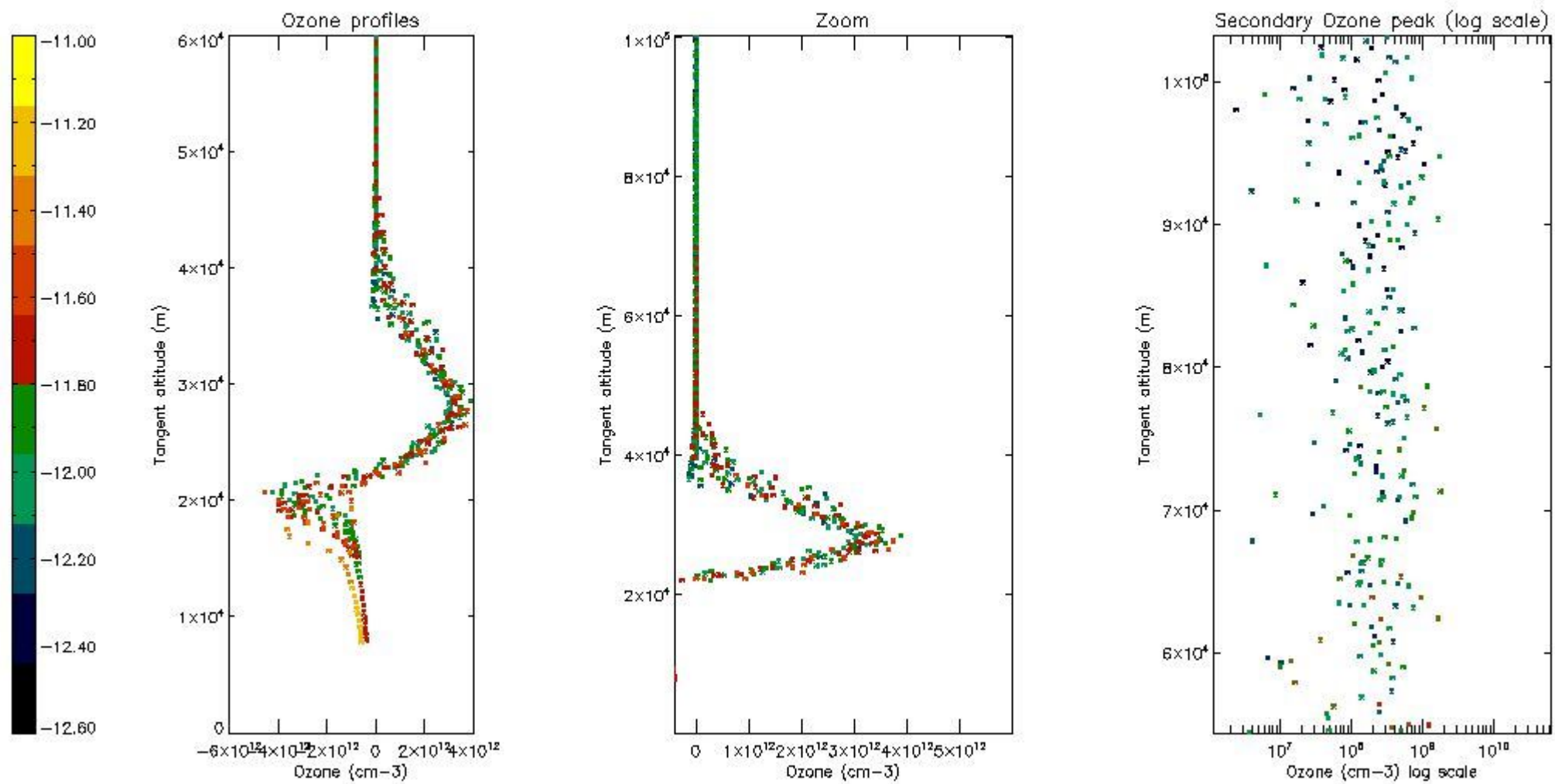
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	46
STD < 20	11

STD < 10	5
STD < 5	3

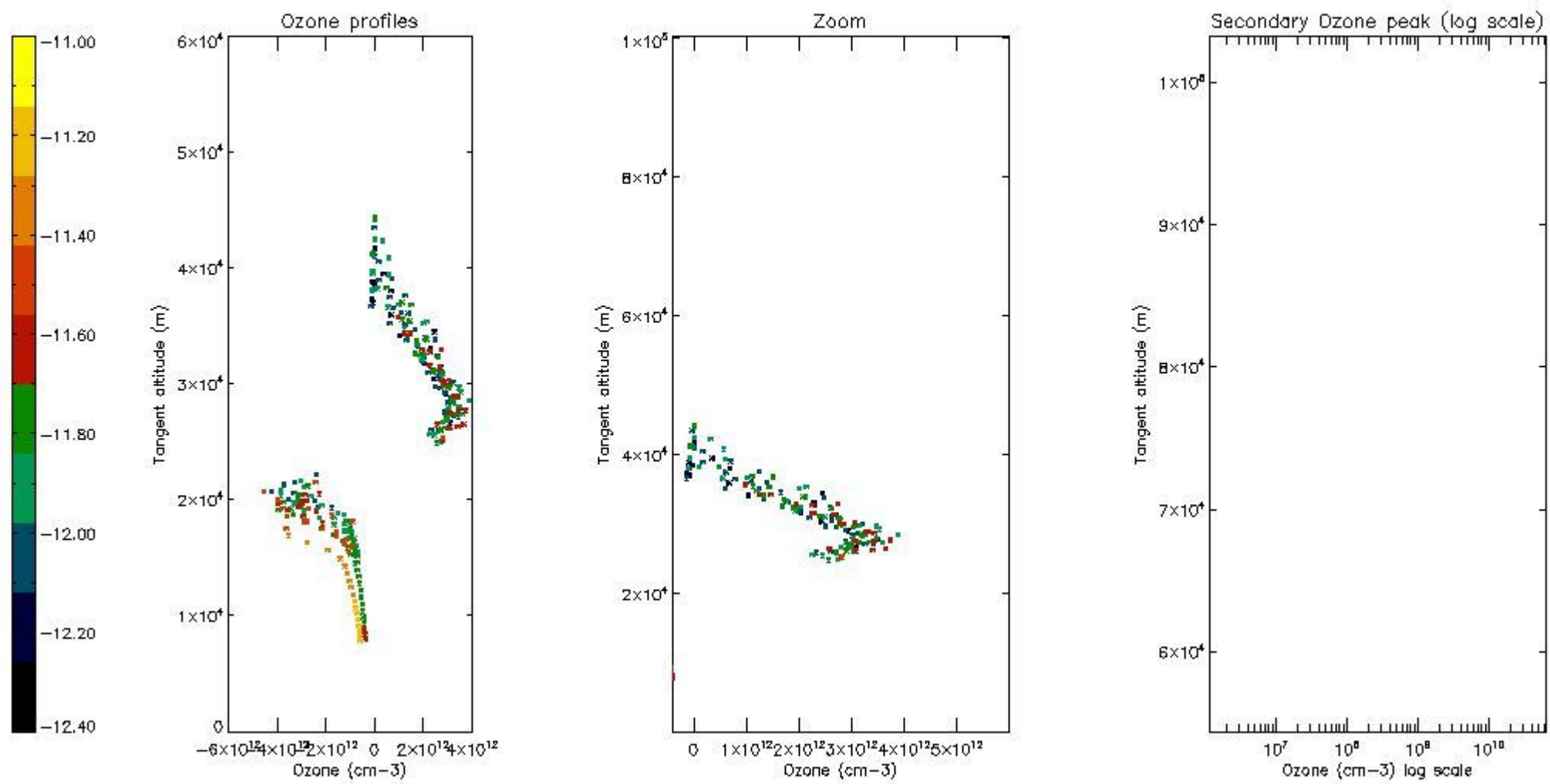
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



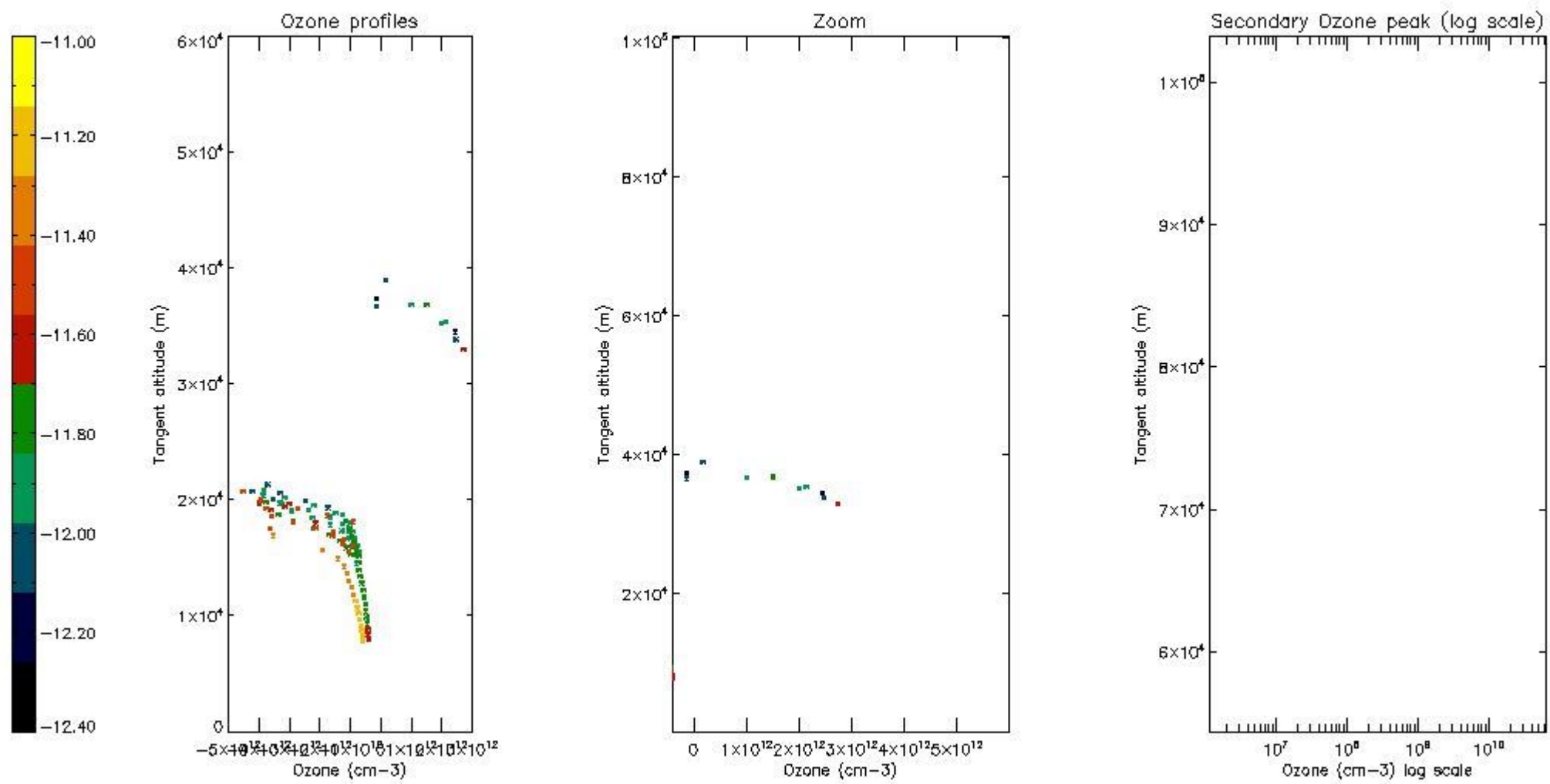
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



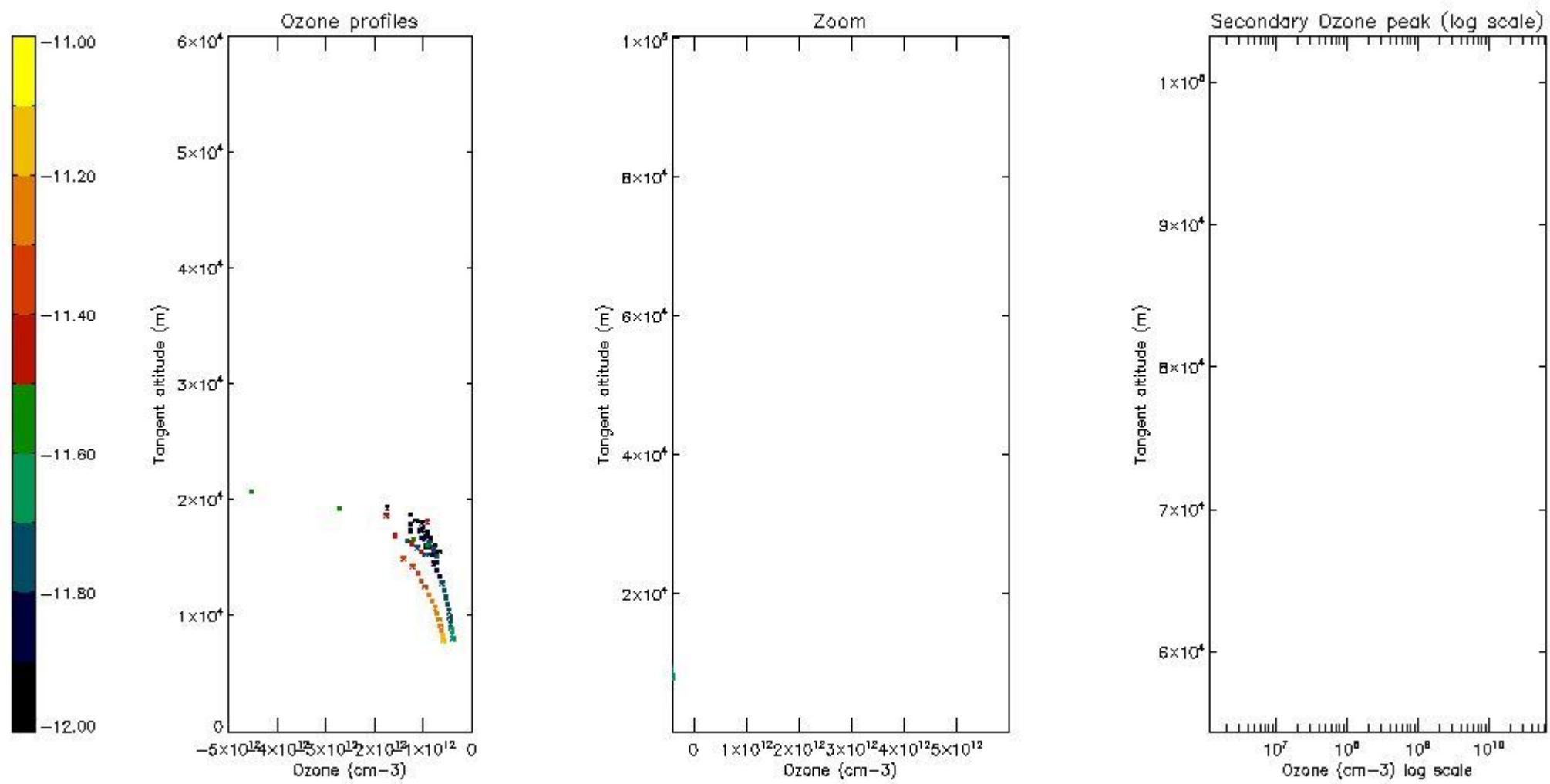
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



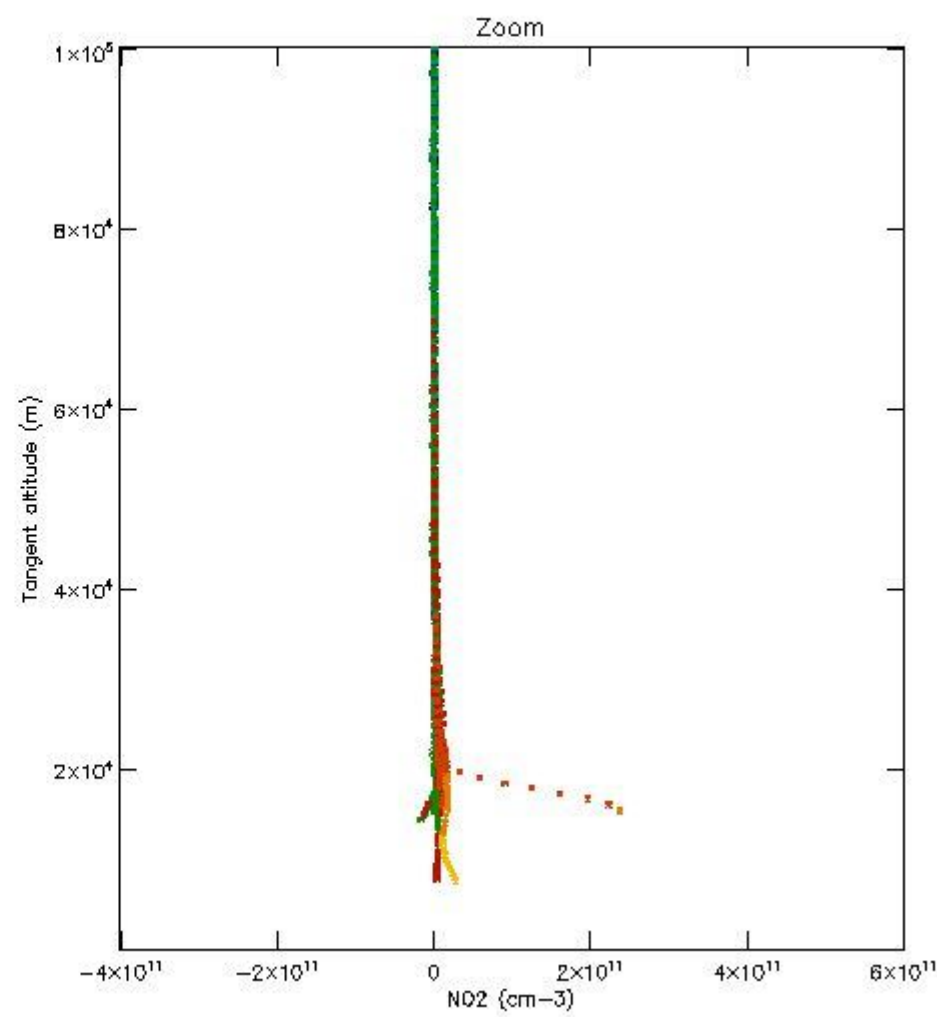
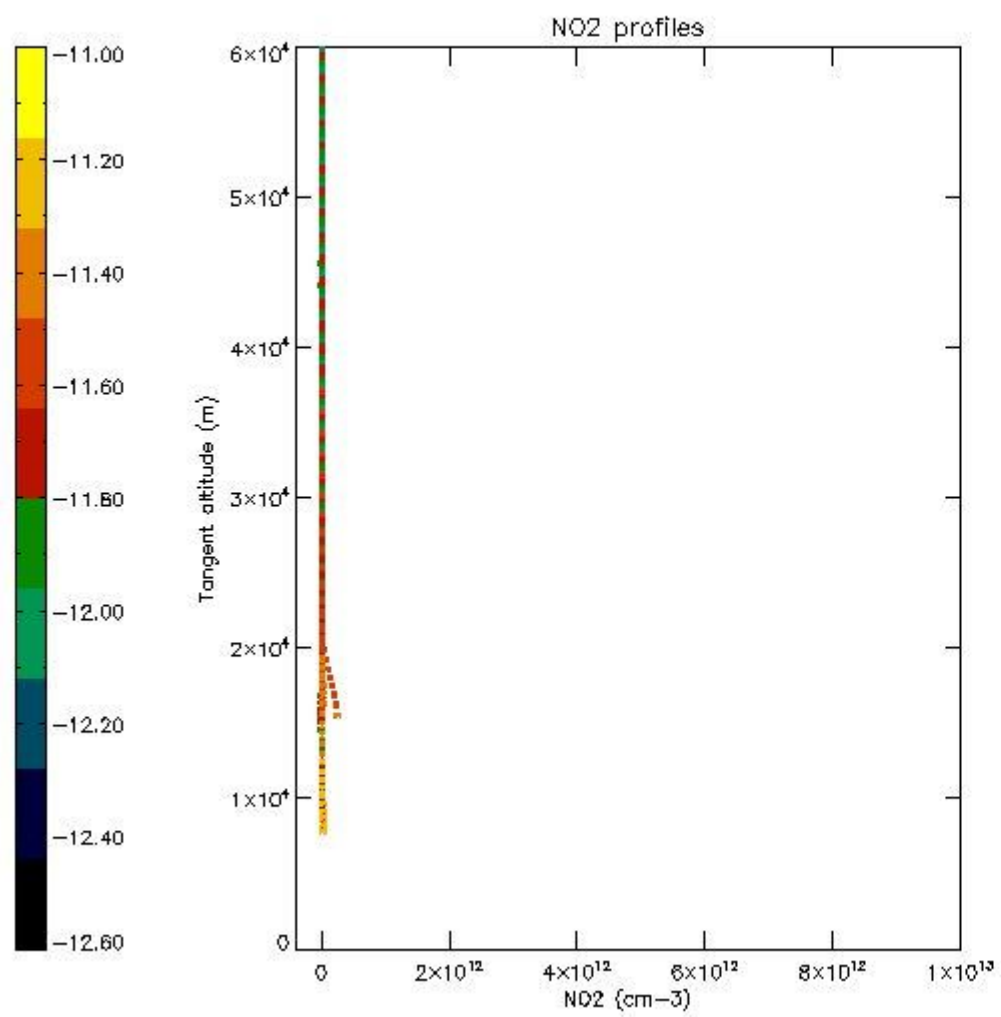
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



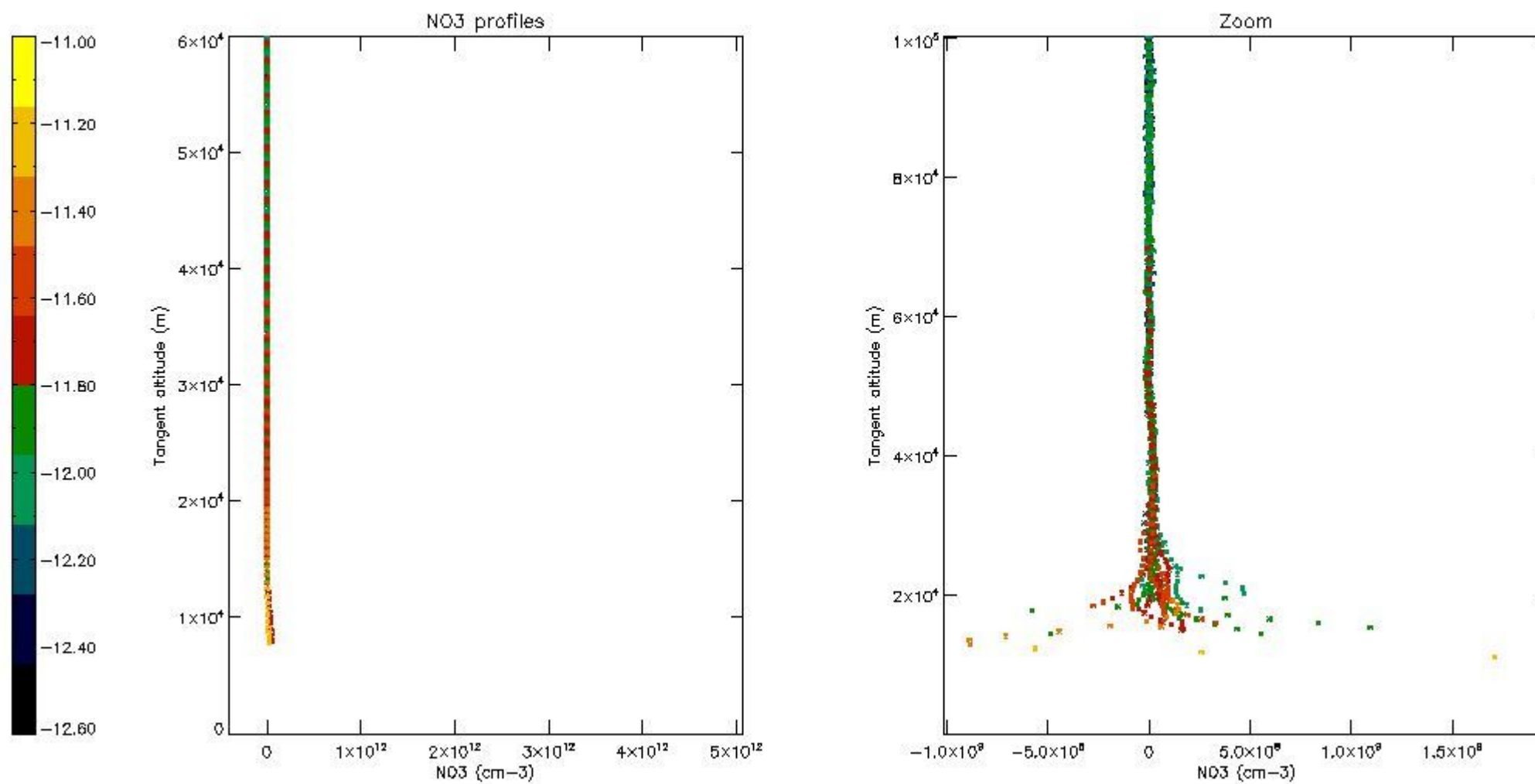
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

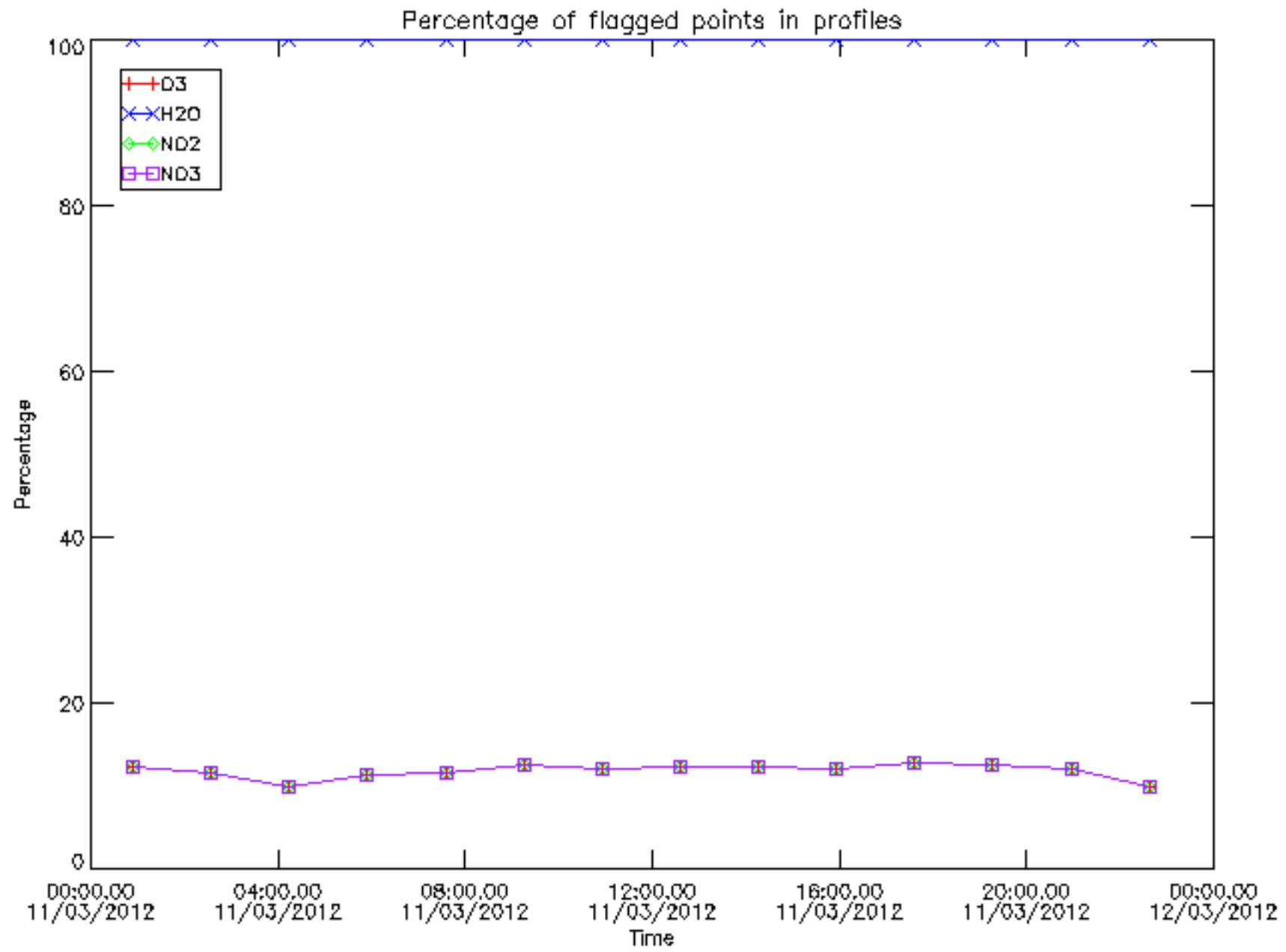
The colorbar represents the latitude.



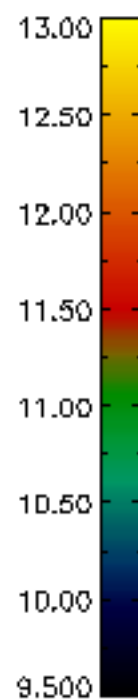
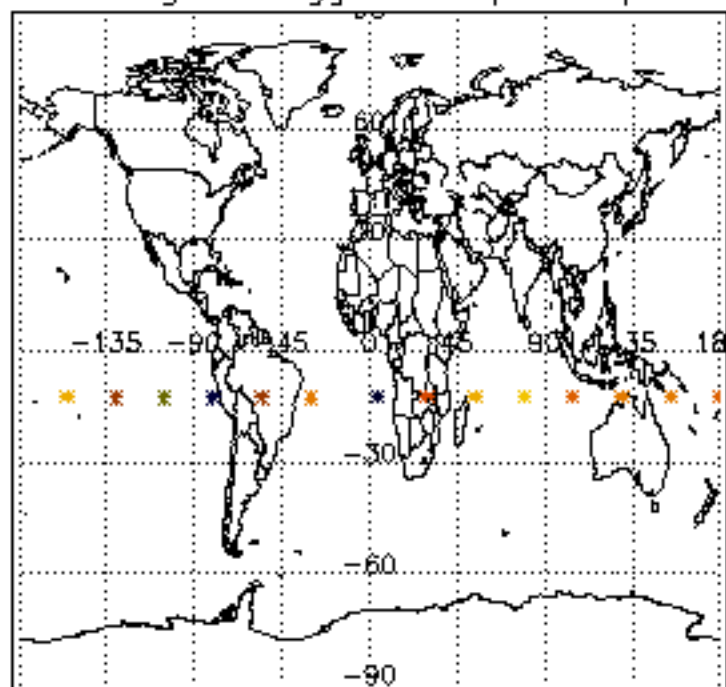
6. Auxiliary Data Files used for the production reported in section 2

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.

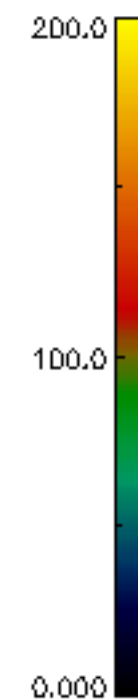
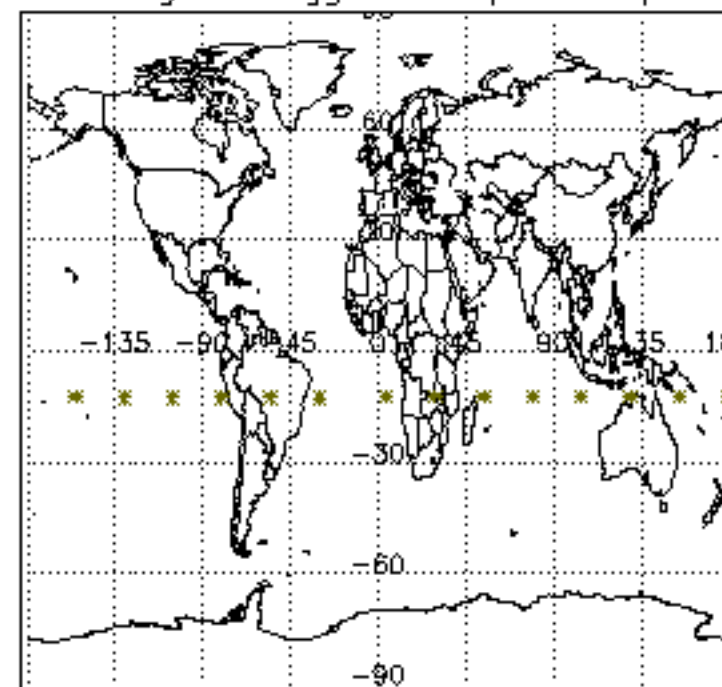
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20111213_163131_20111215_000000_20500101_000000	1	11-MAR-2012 00:22:45
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	11-MAR-2012 00:22:45
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	11-MAR-2012 00:22:45



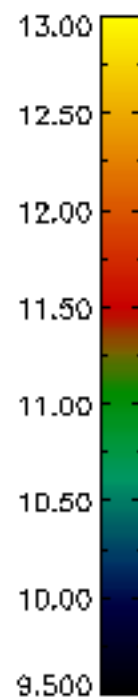
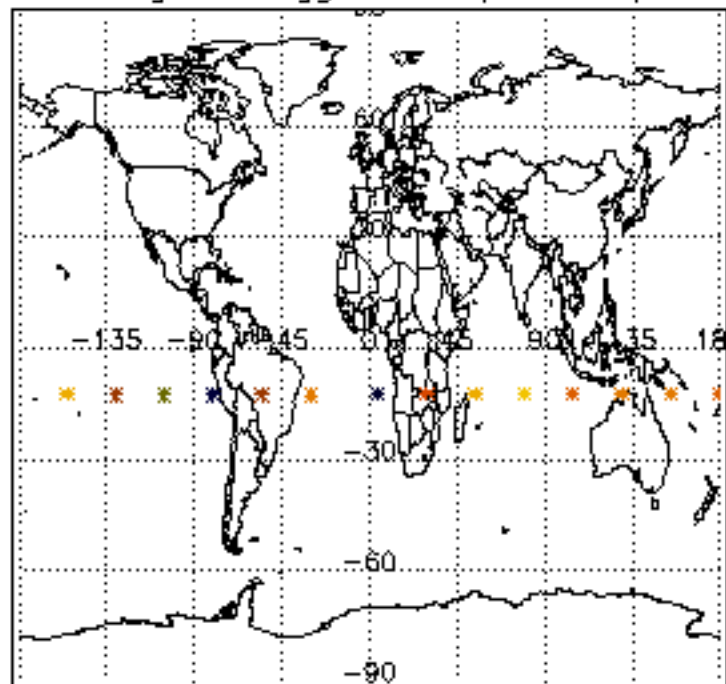
Percentage of flagged data per D3 profile



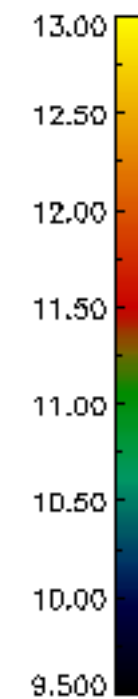
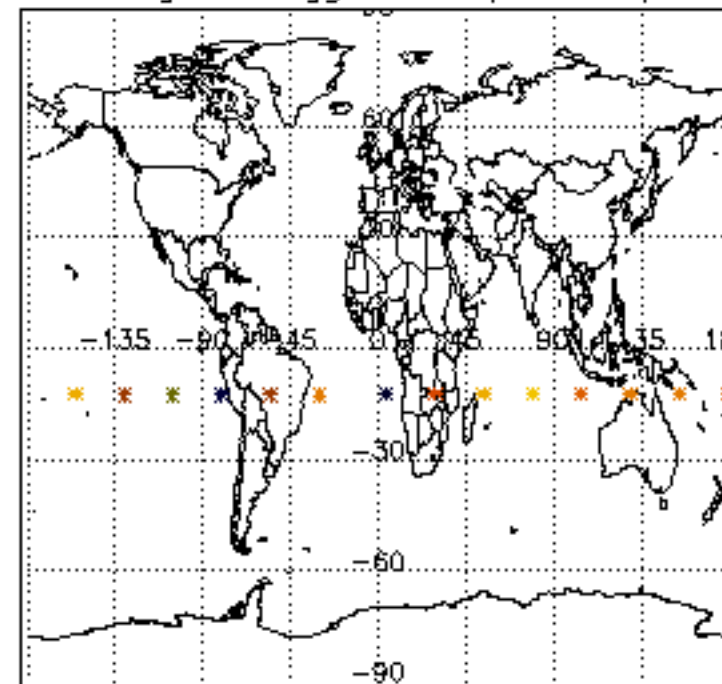
Percentage of flagged data per H2O profile

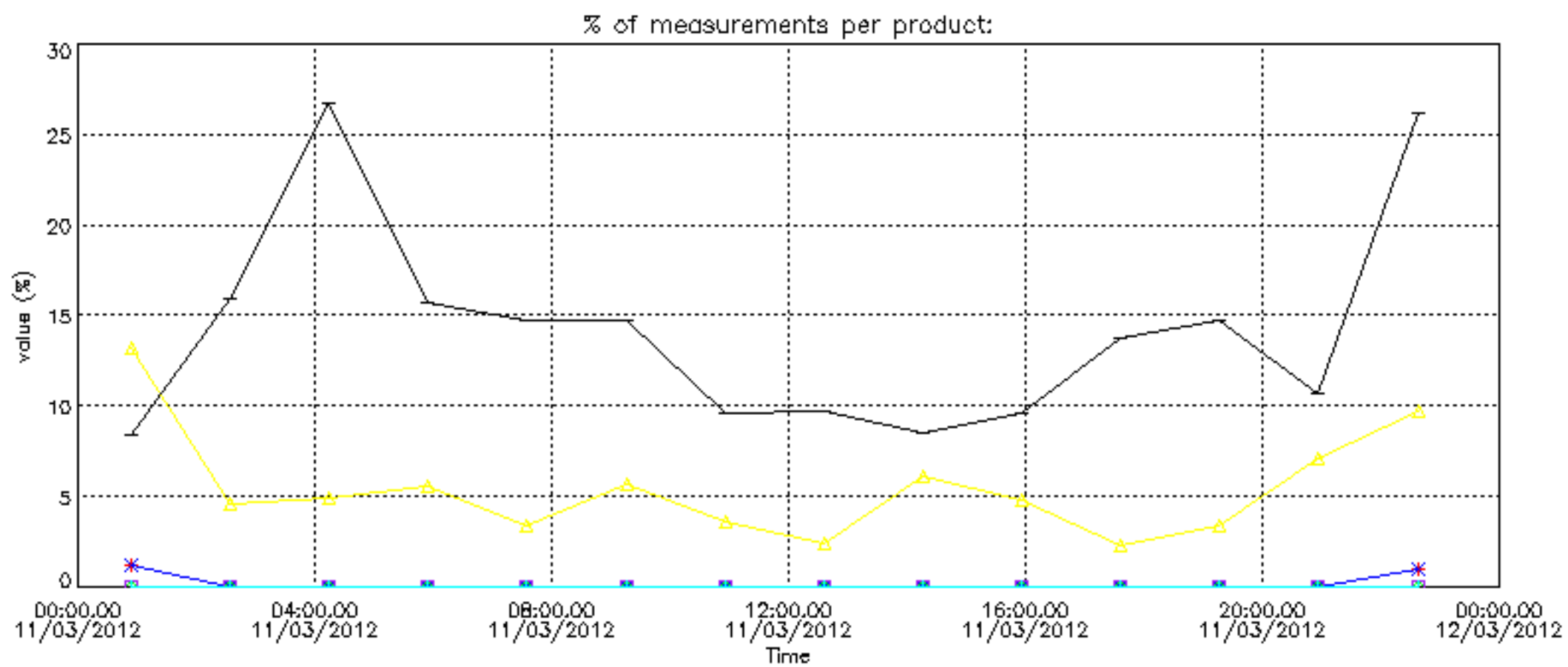


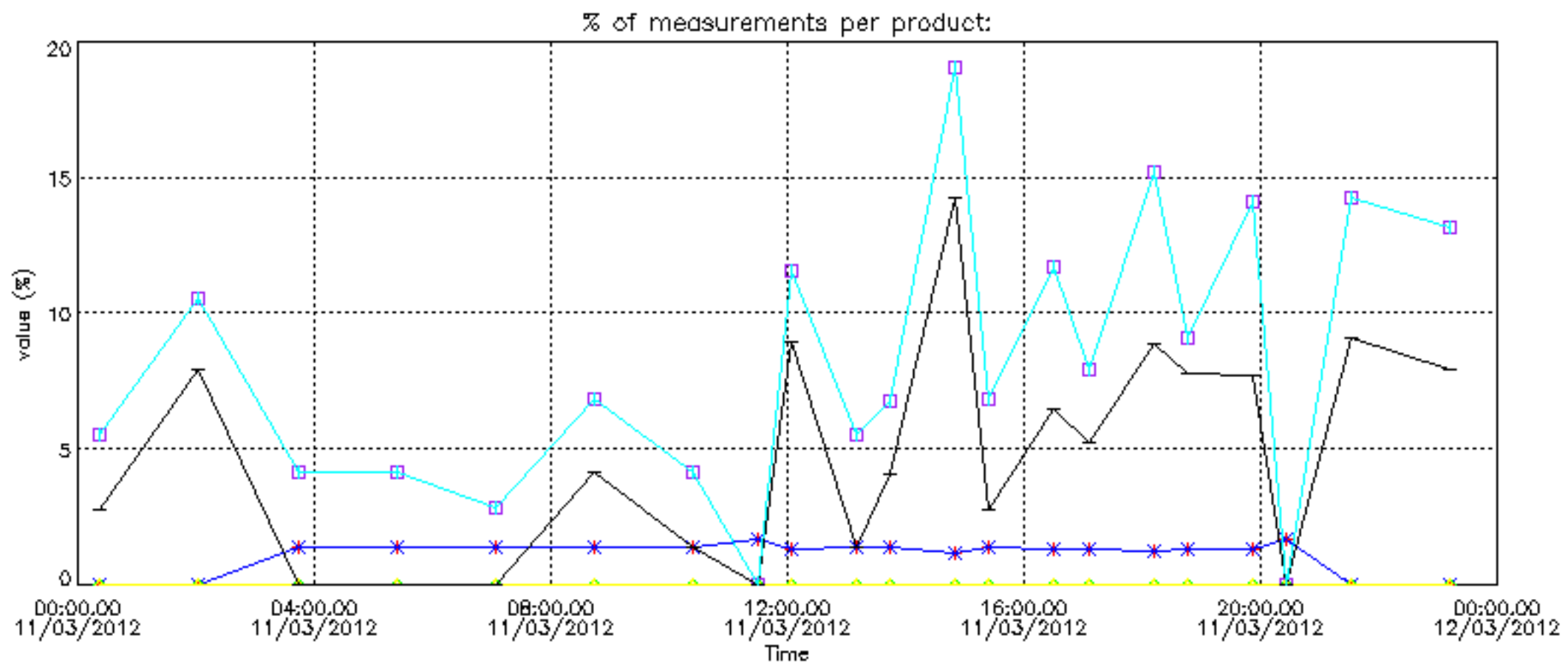
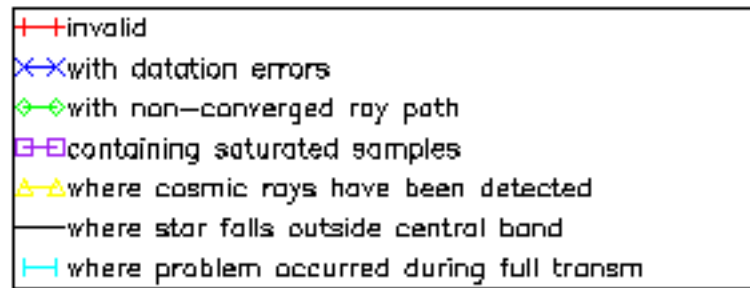
Percentage of flagged data per NO2 profile



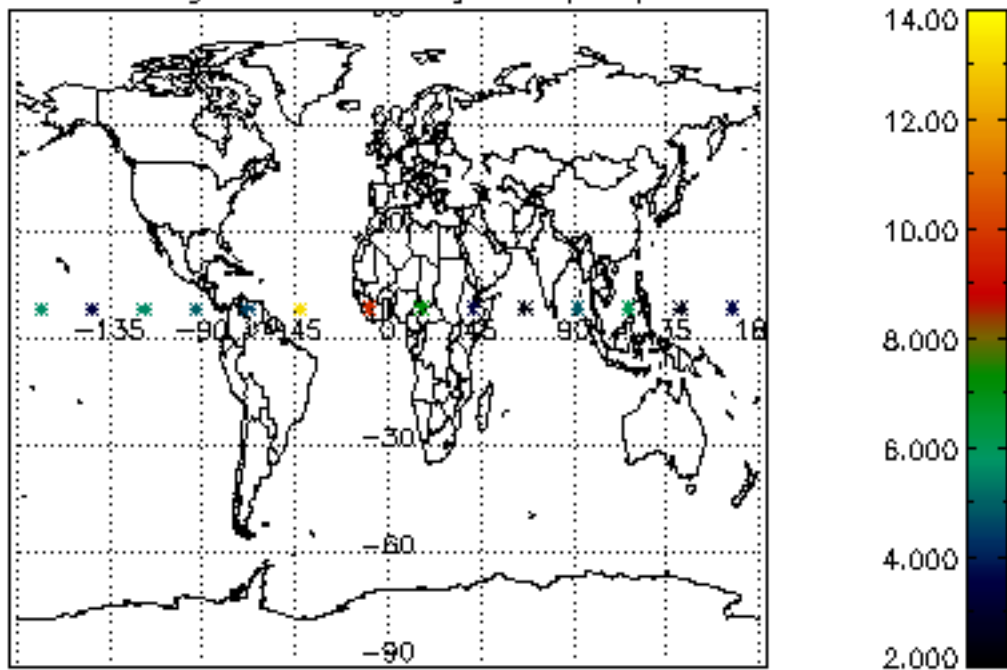
Percentage of flagged data per NO3 profile



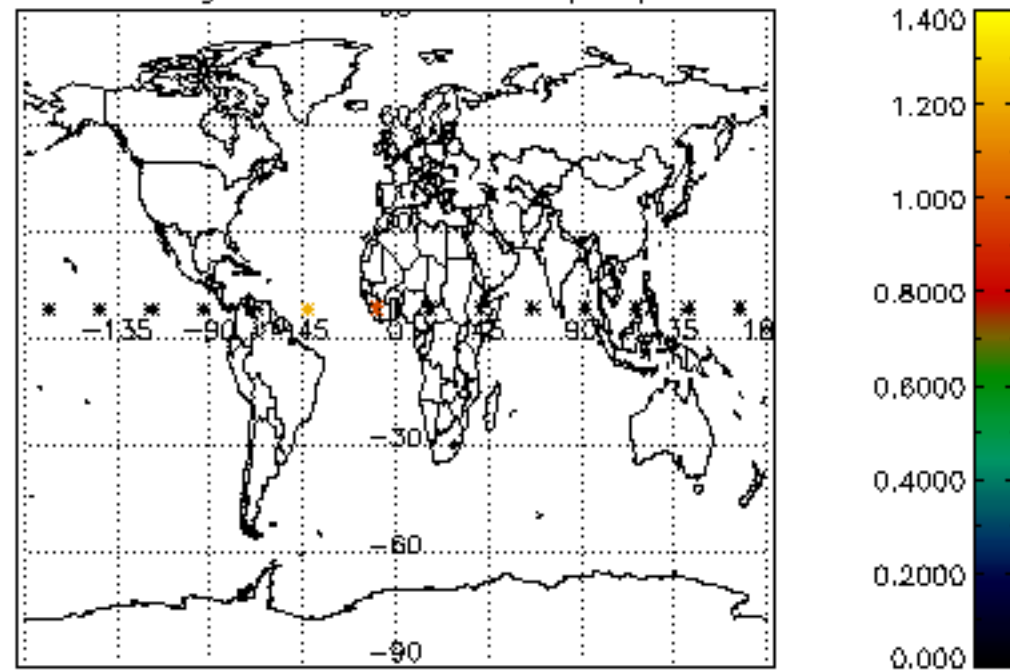




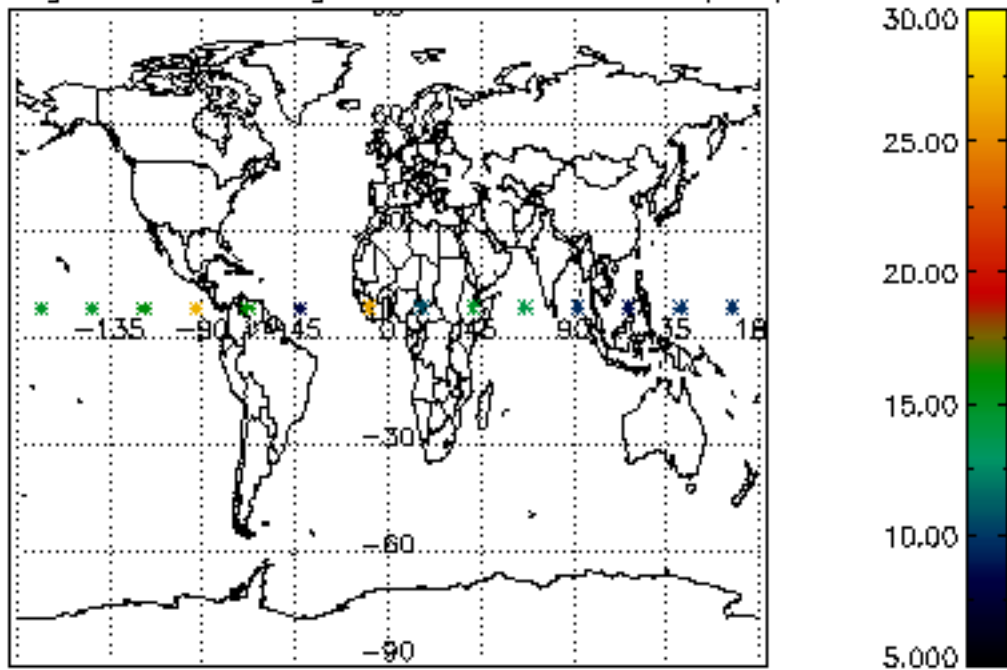
Percentage of cosmic ray hits per profile



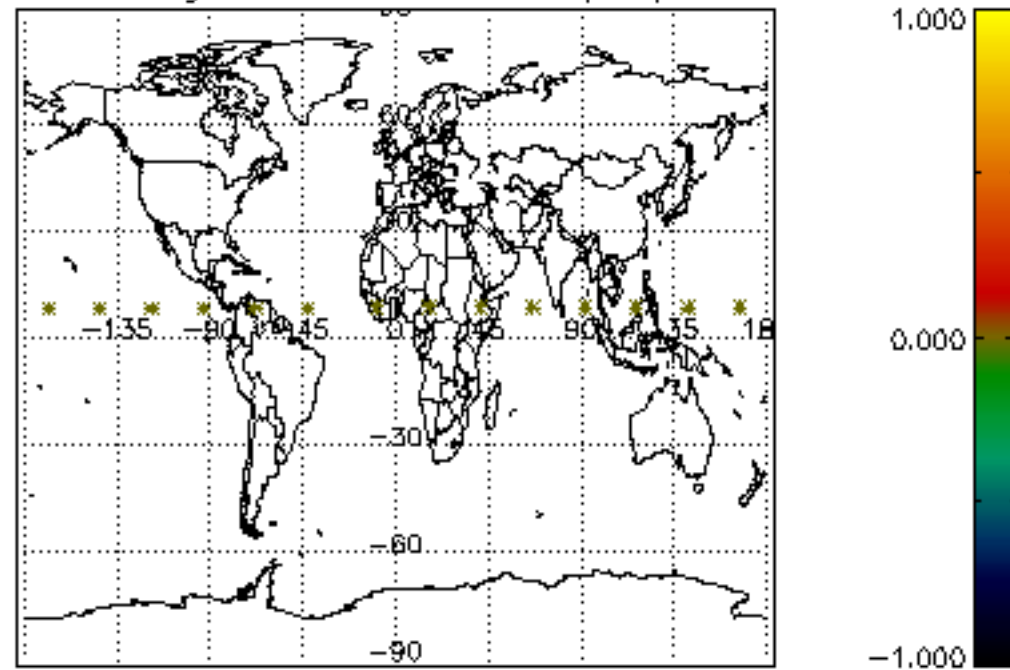
Percentage of datation errors per profile



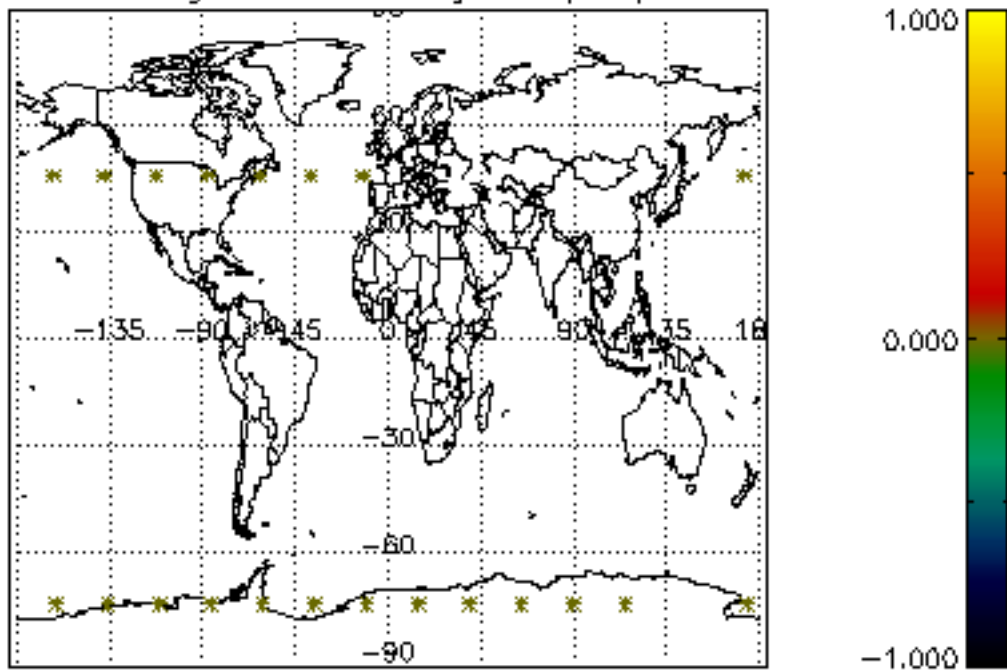
Percentage of star falling outside central band per profile



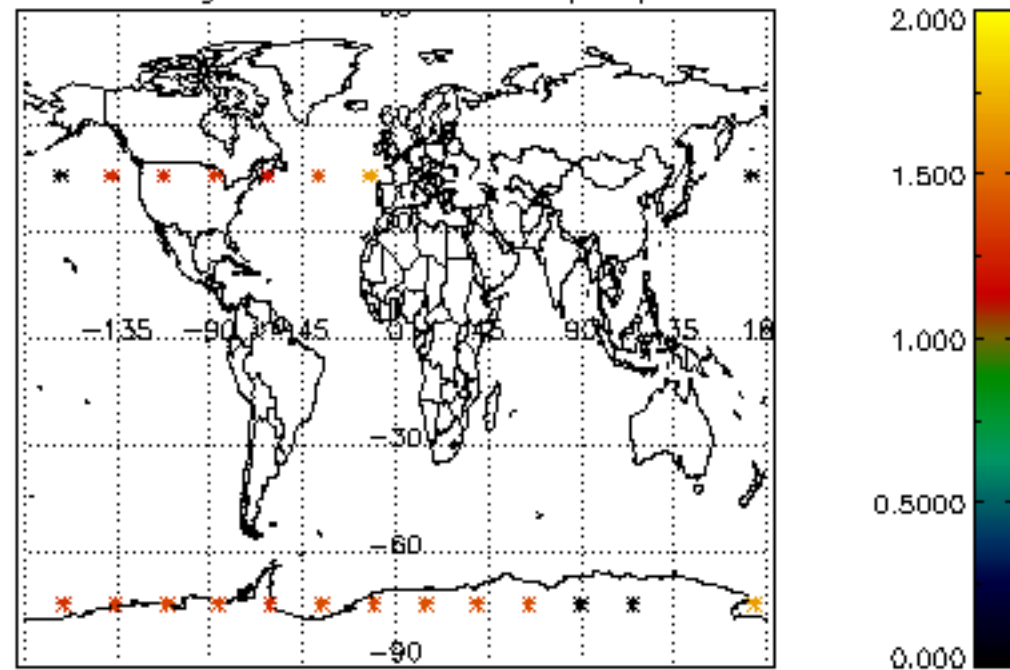
Percentage of saturation errors per profile



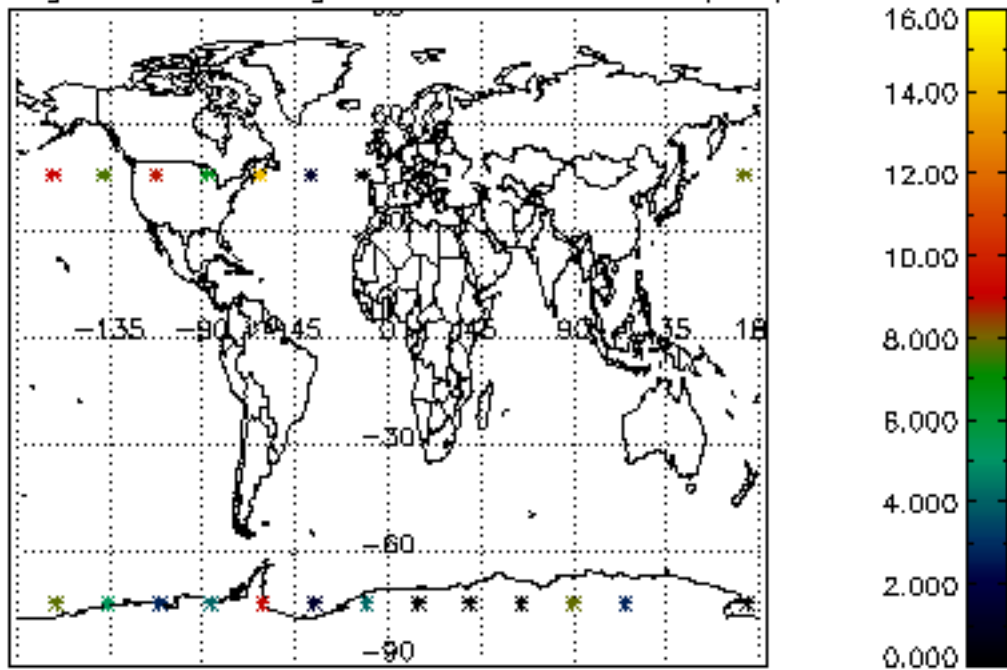
Percentage of cosmic ray hits per profile



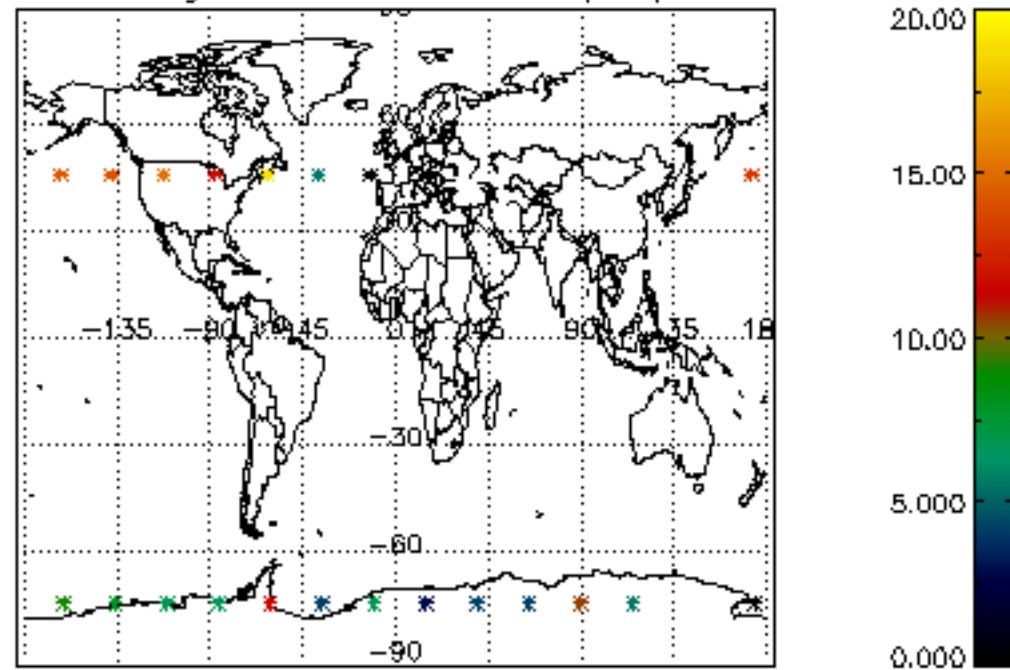
Percentage of datation errors per profile

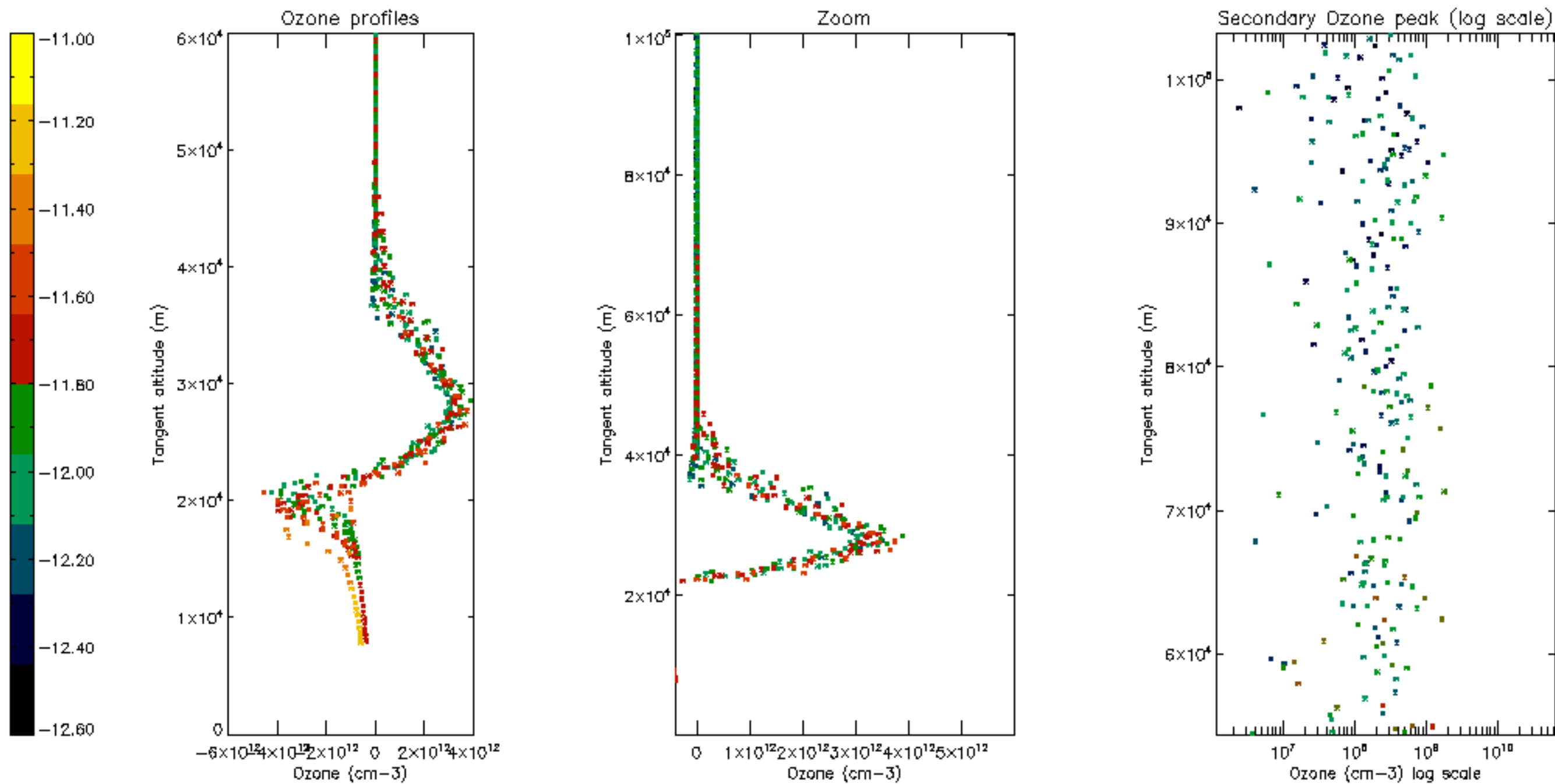


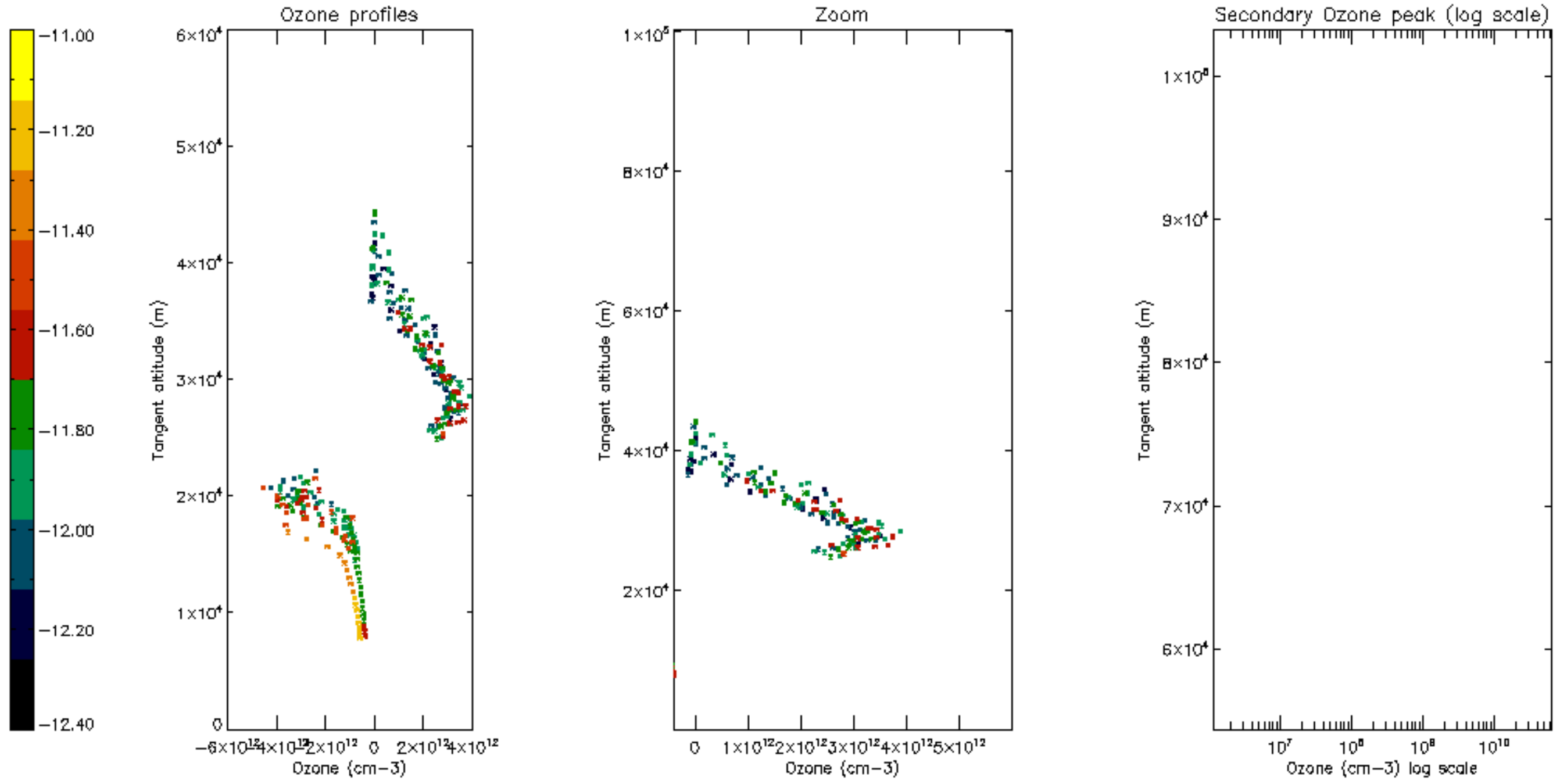
Percentage of star falling outside central band per profile

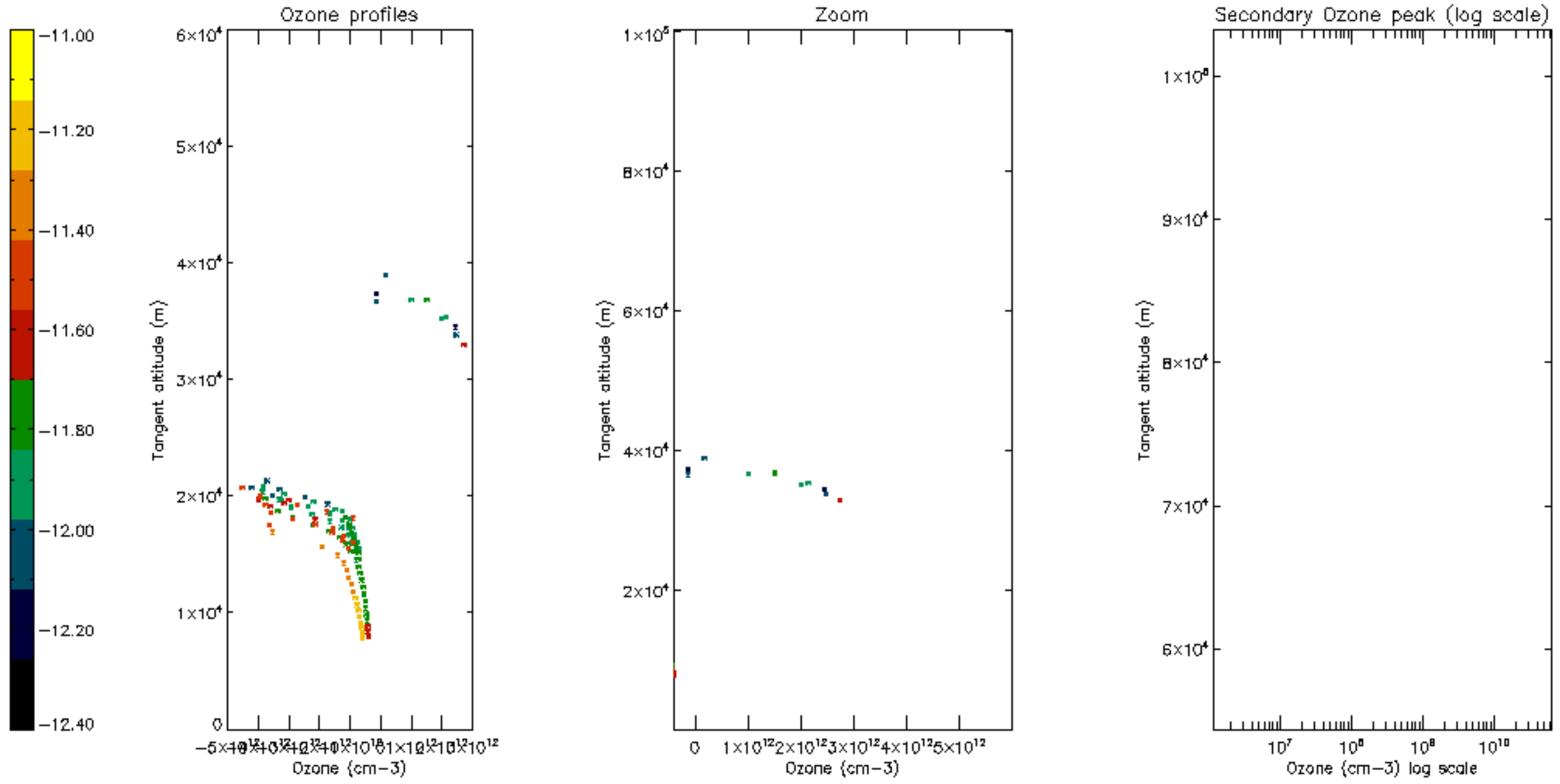


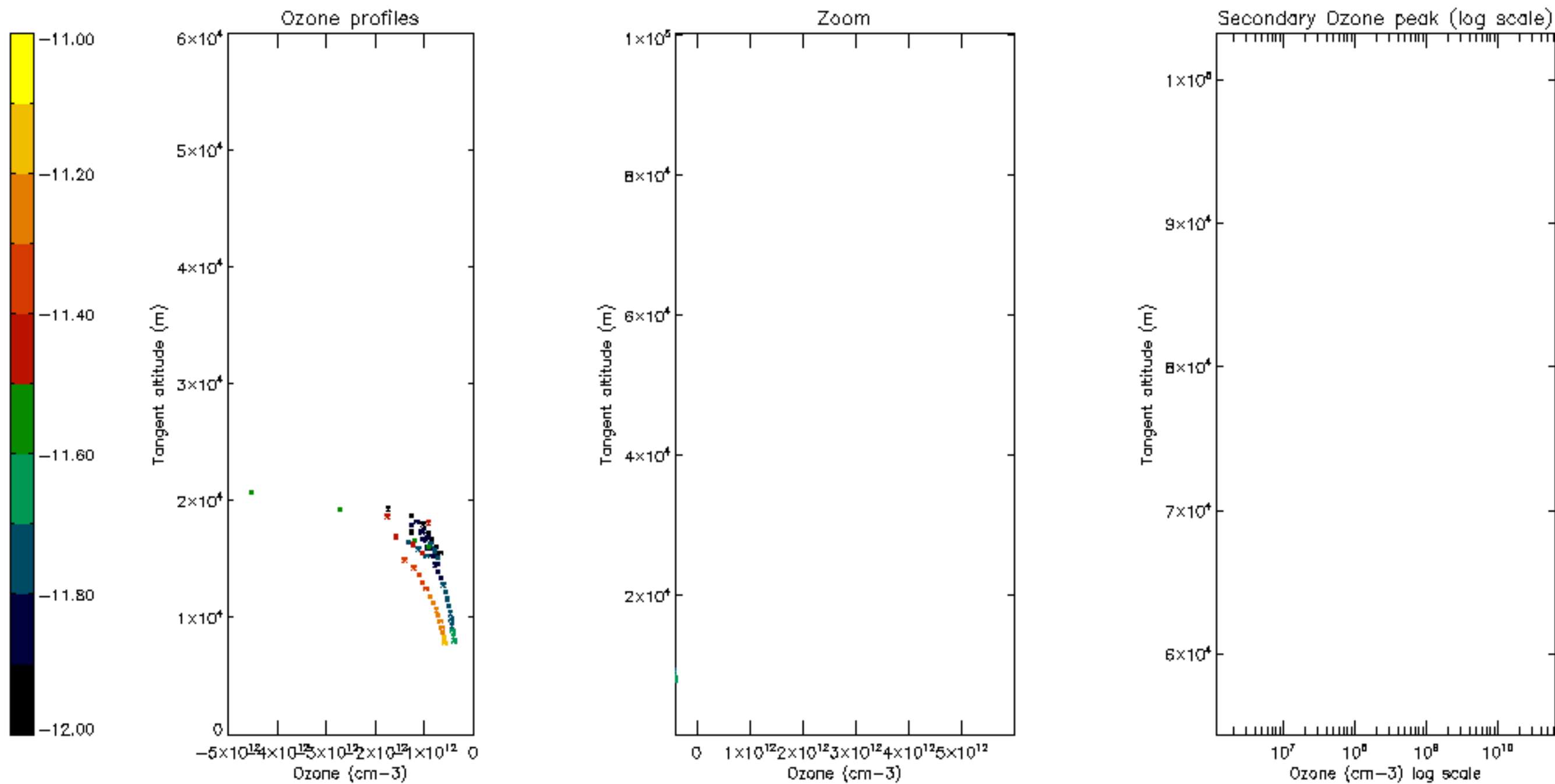
Percentage of saturation errors per profile

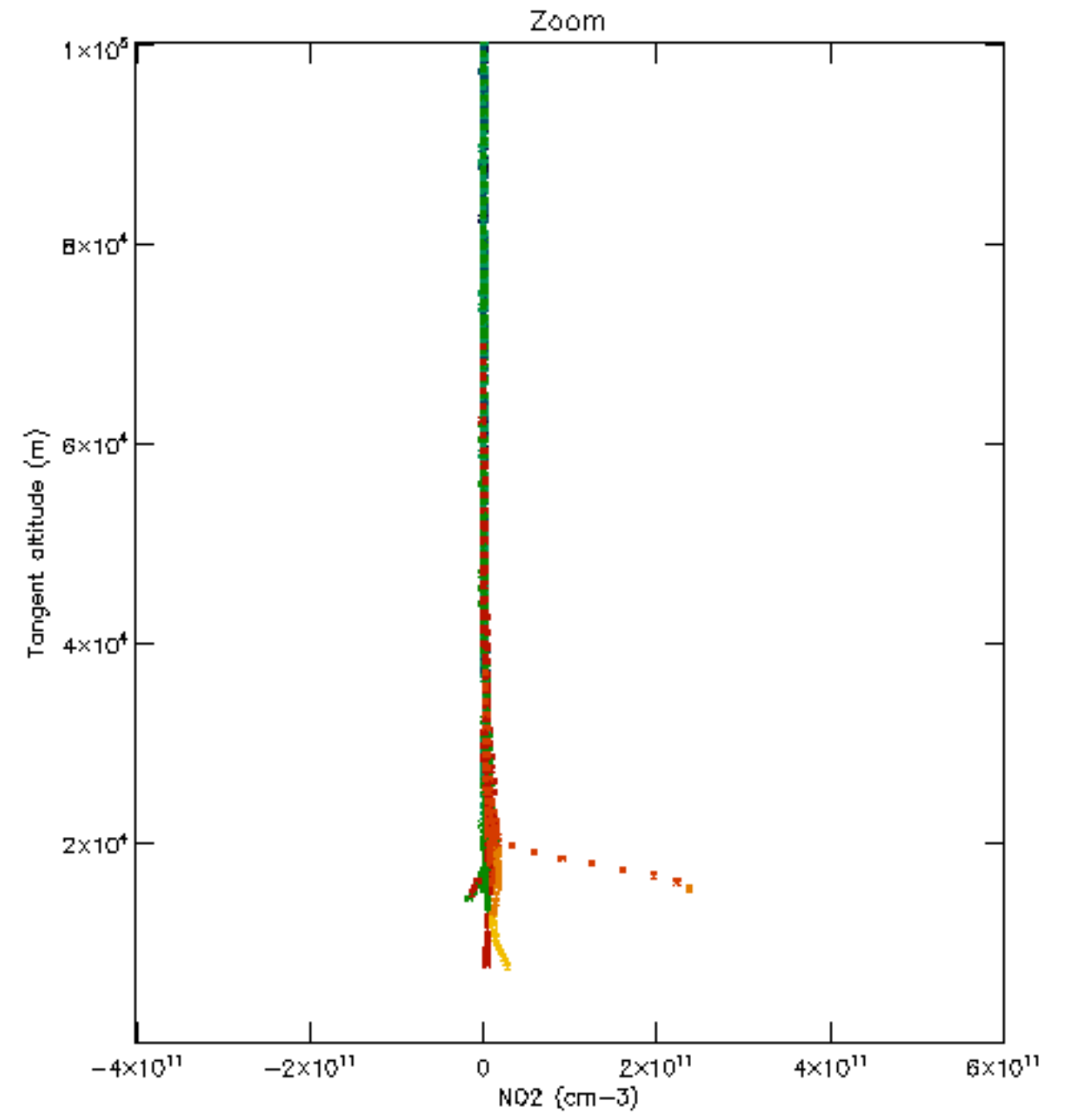
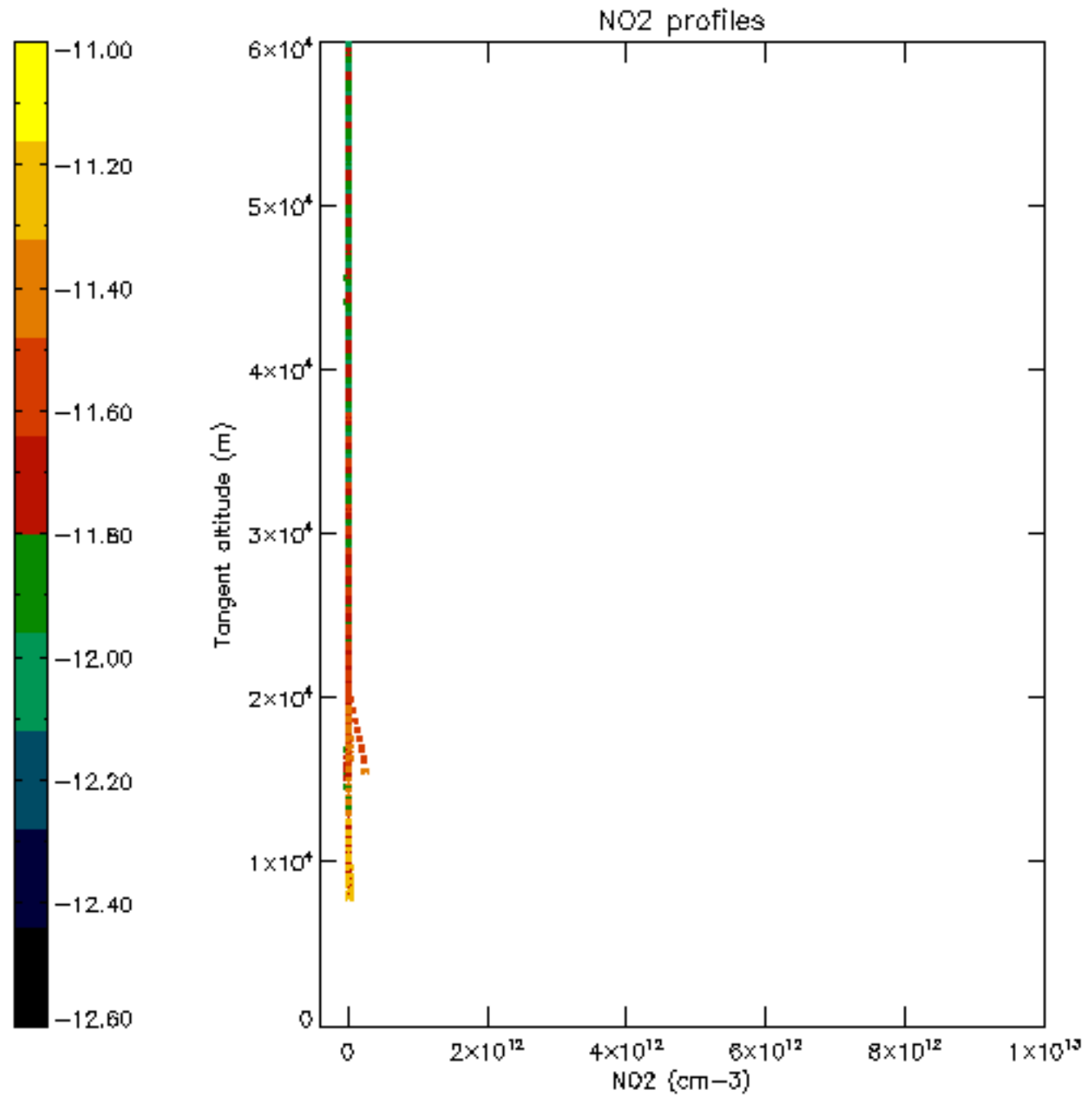


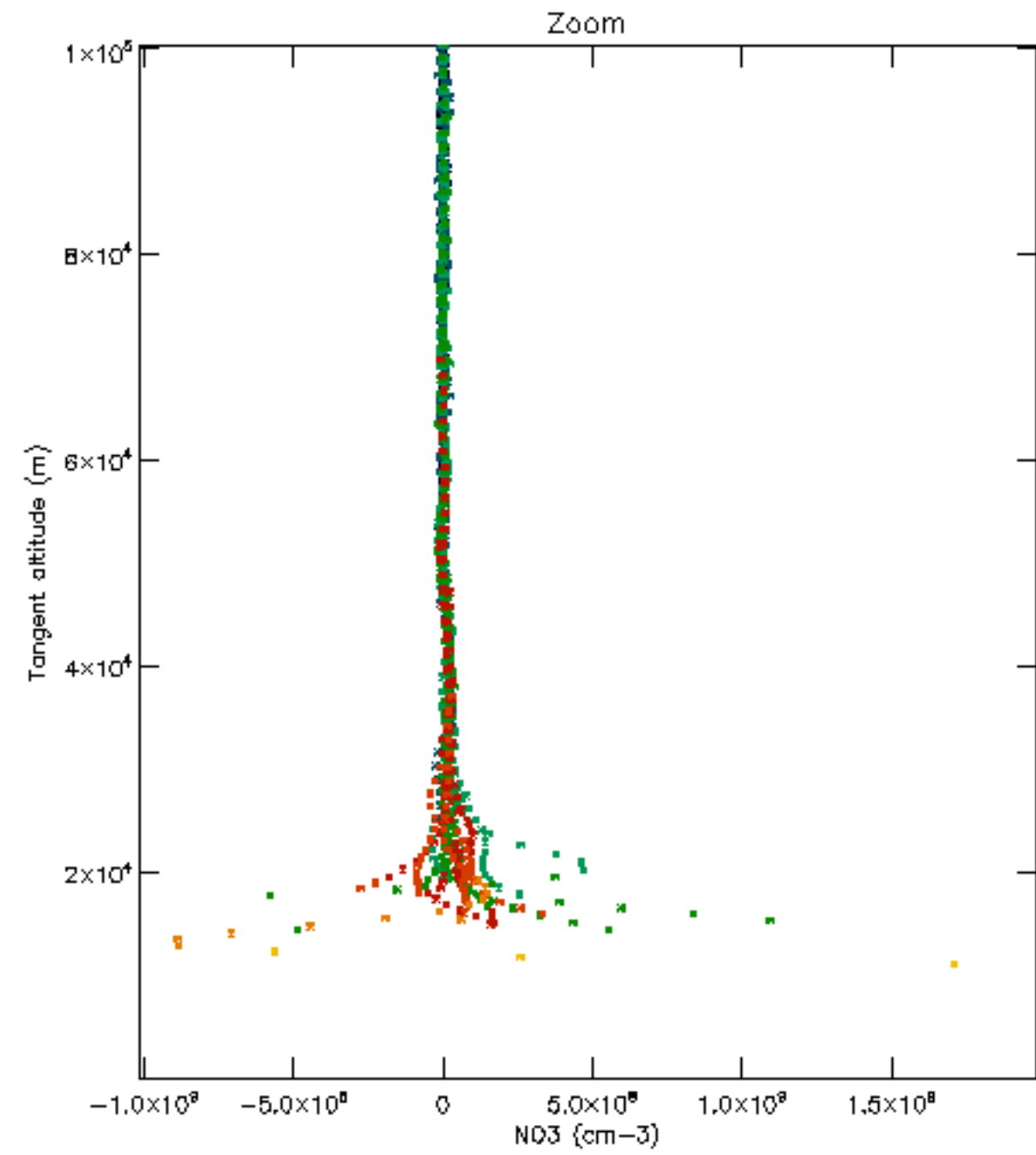
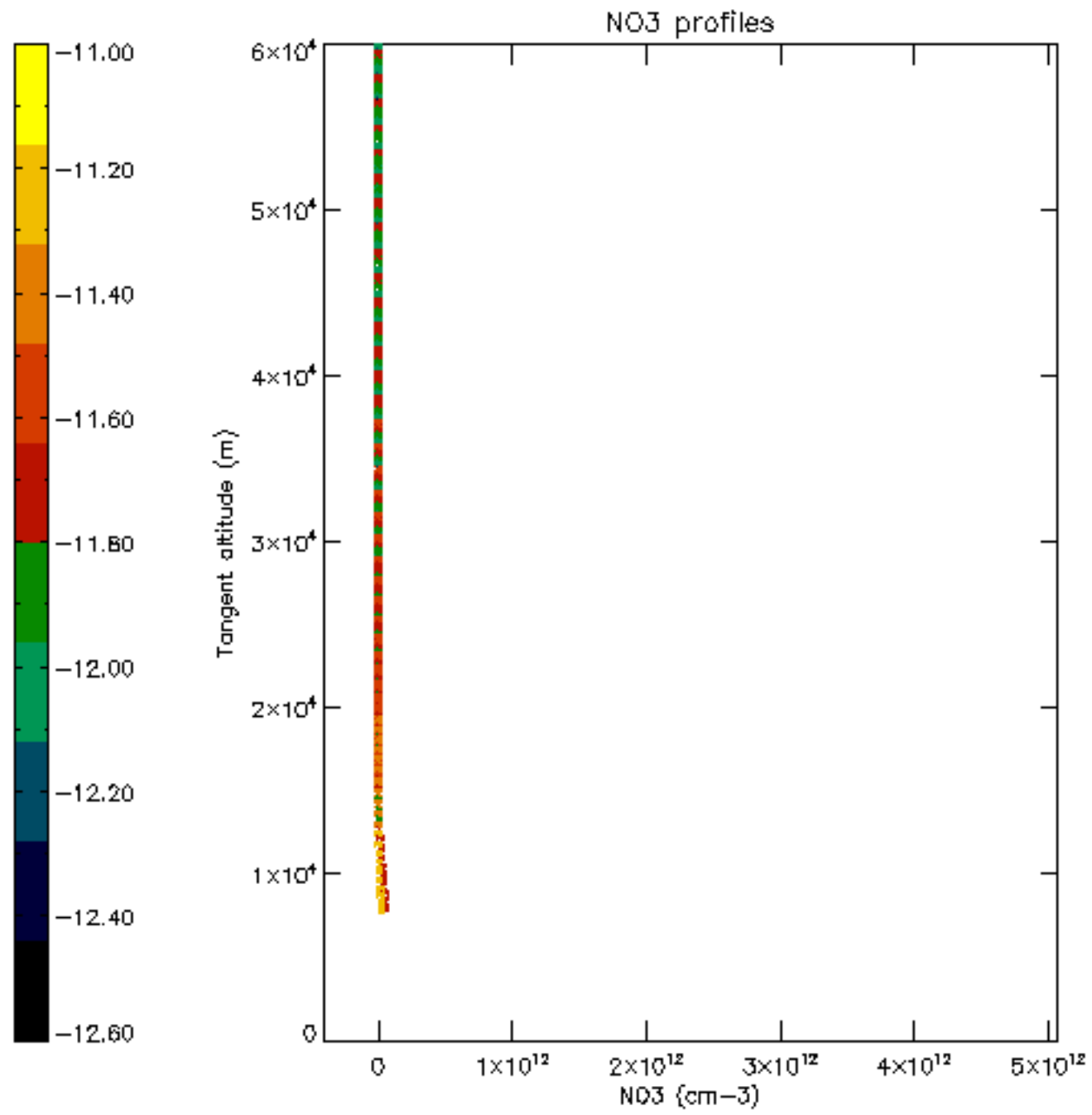


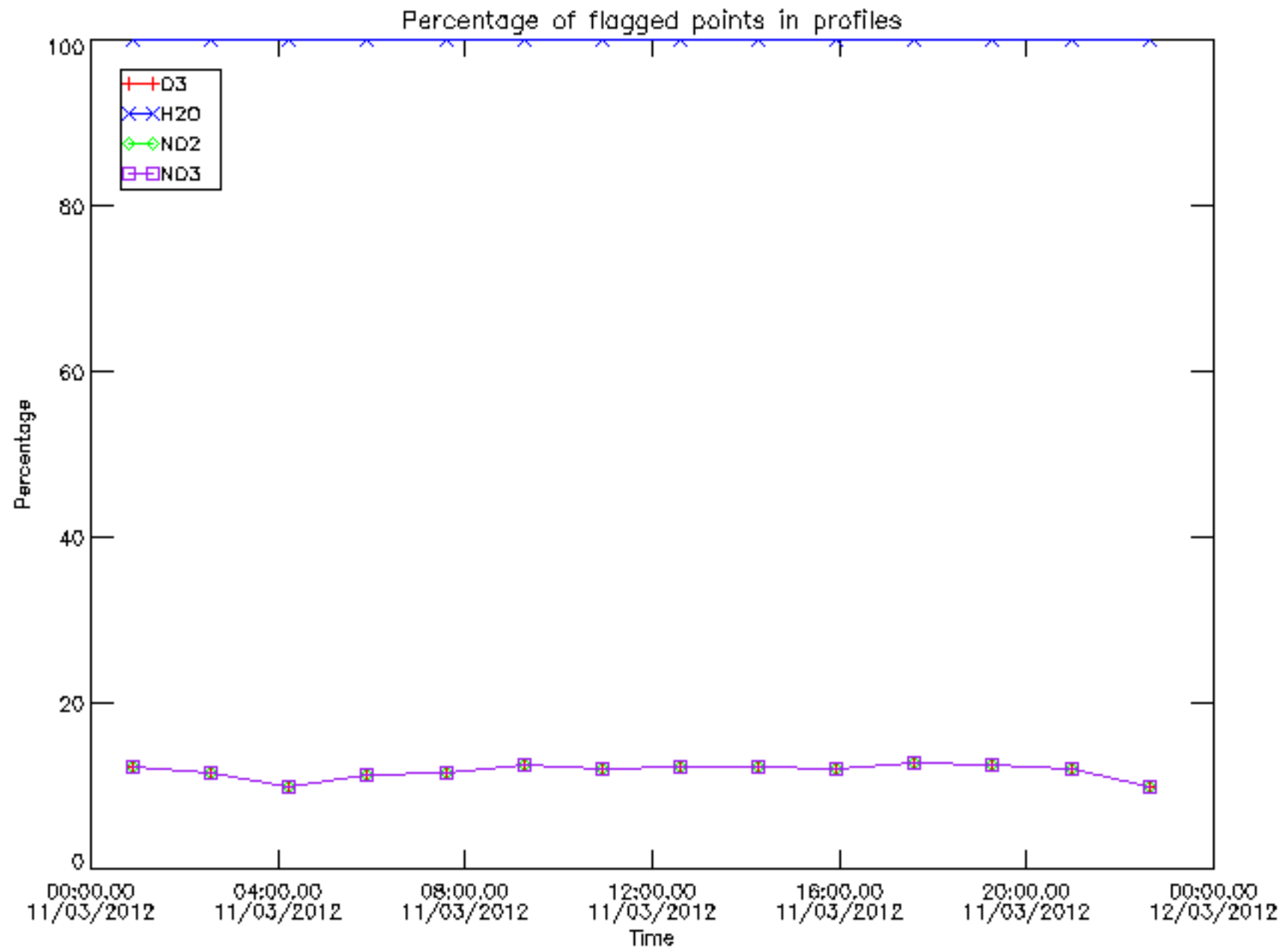




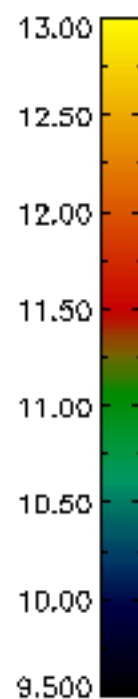
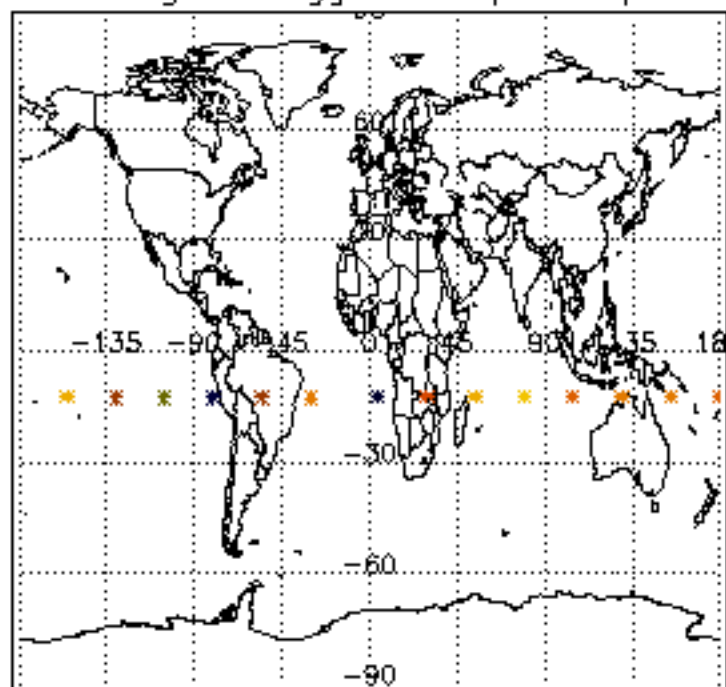




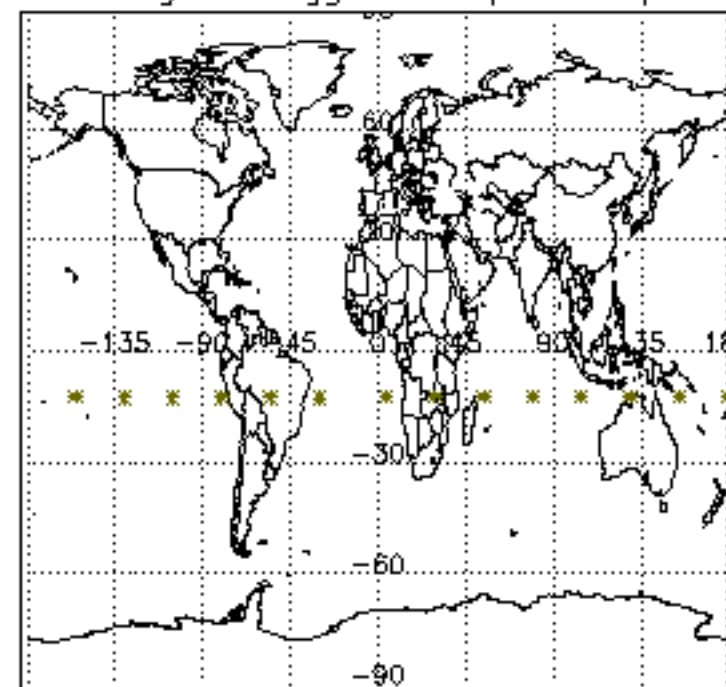




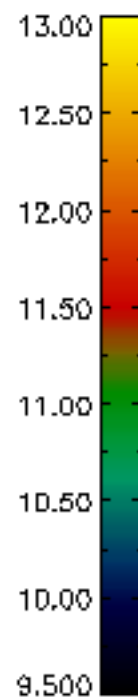
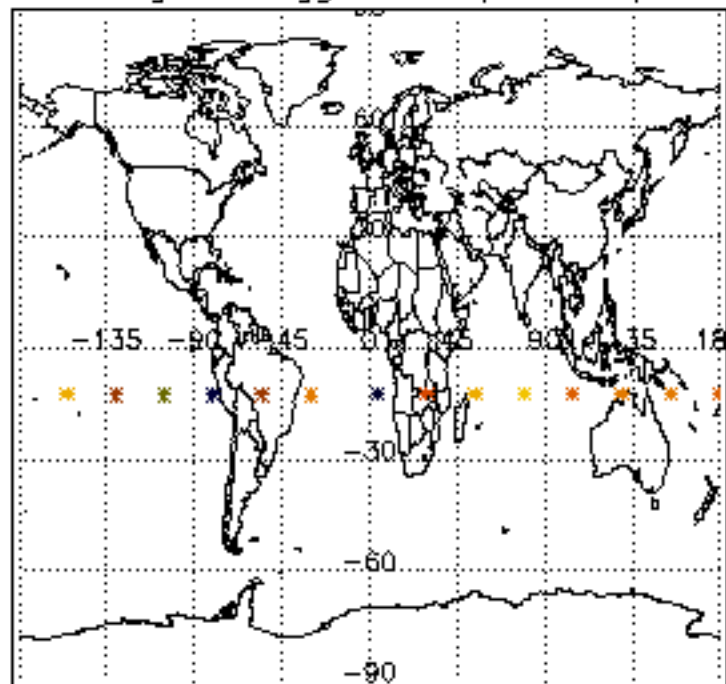
Percentage of flagged data per D3 profile



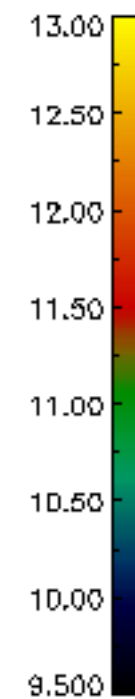
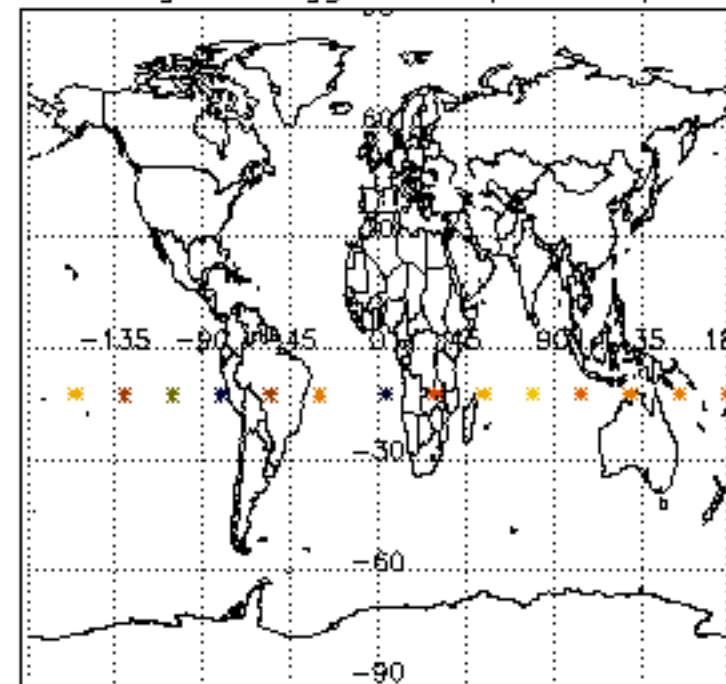
Percentage of flagged data per H2O profile

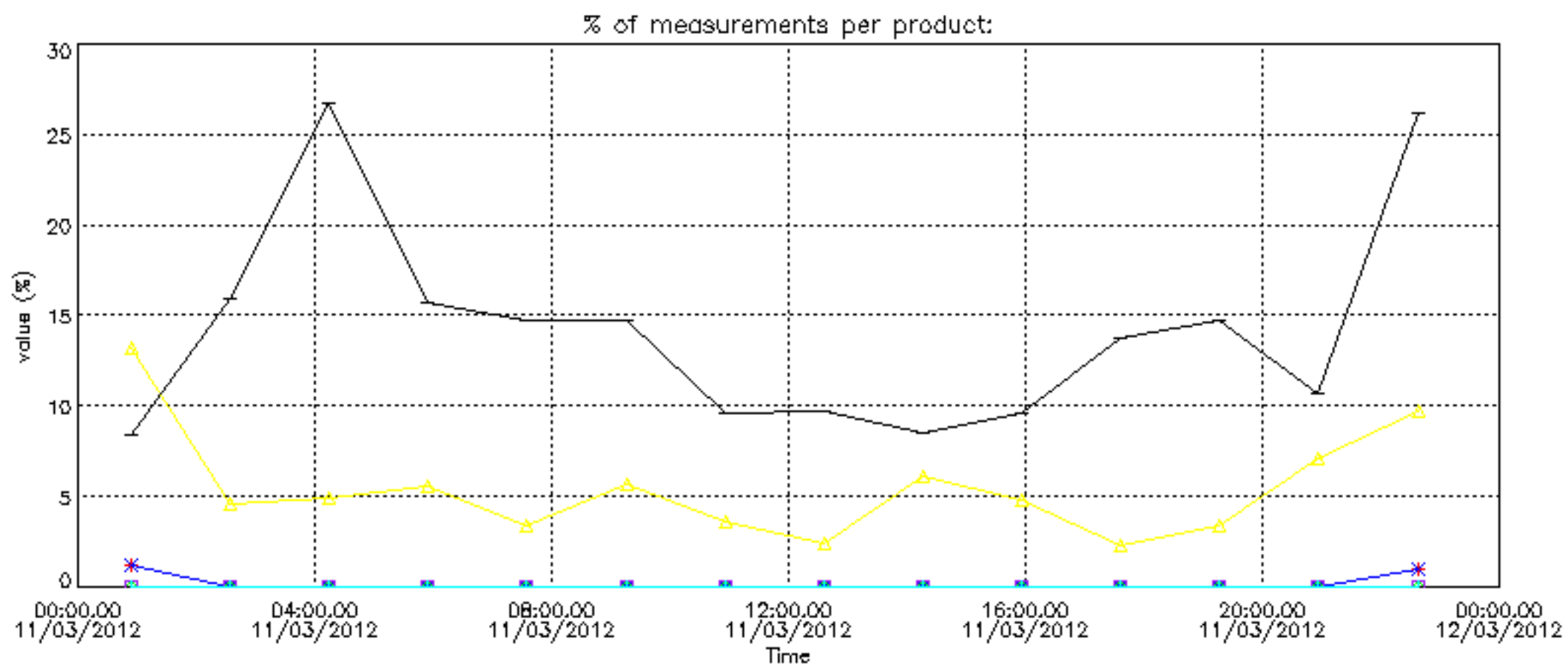


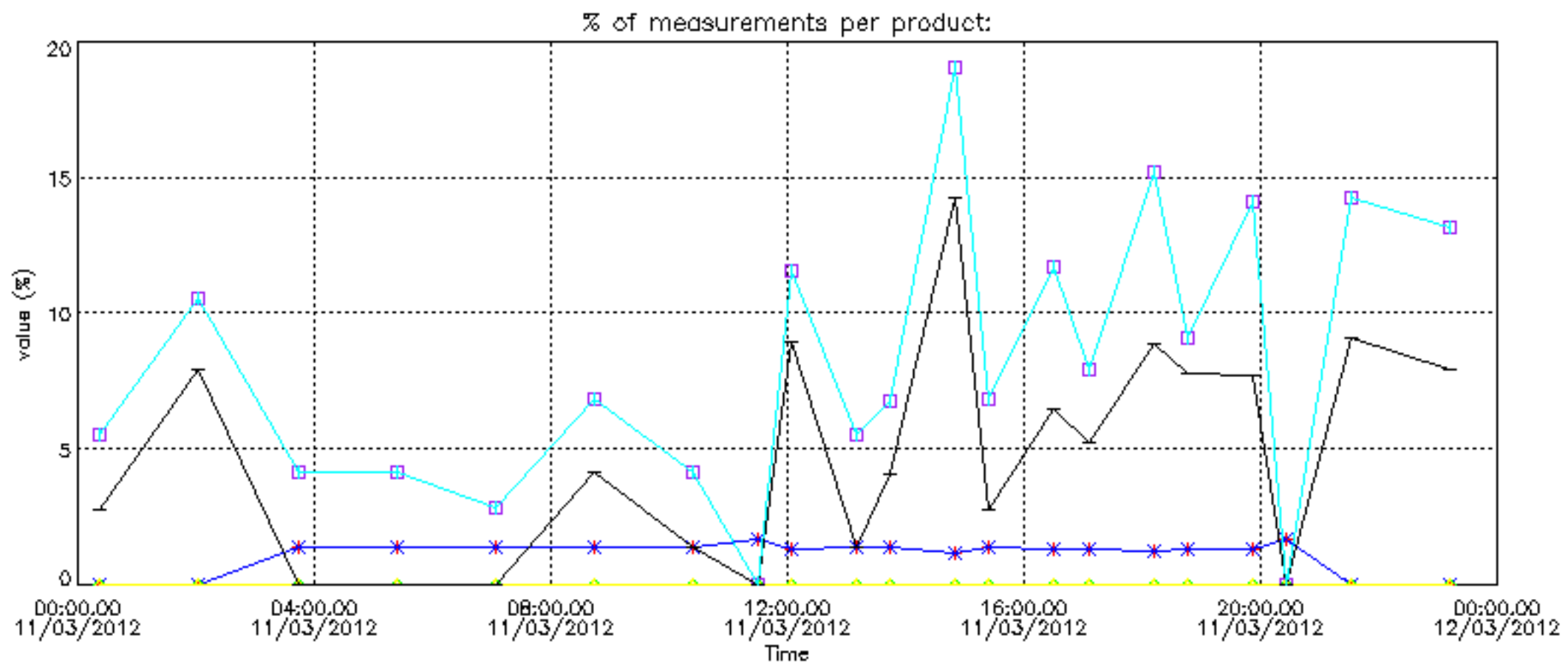
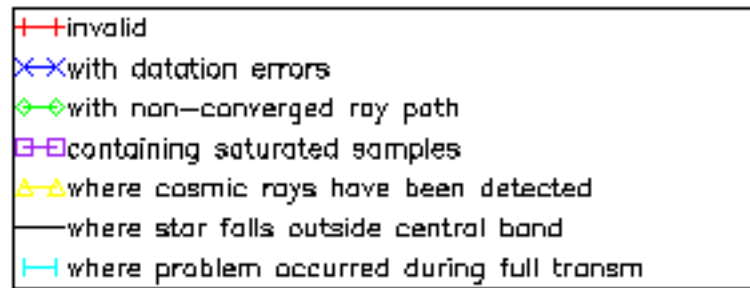
Percentage of flagged data per NO2 profile



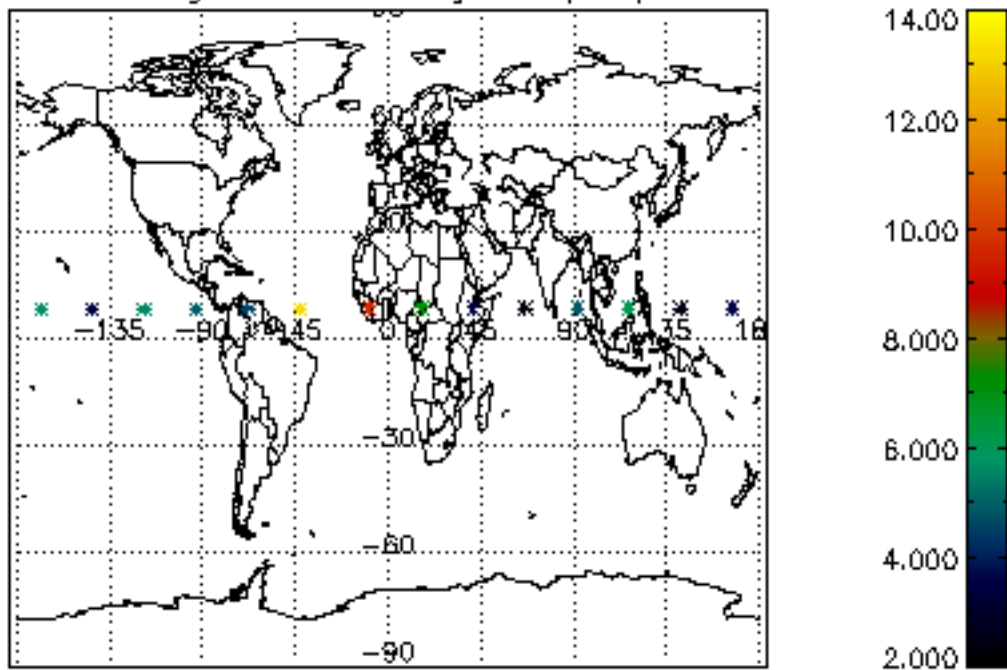
Percentage of flagged data per NO3 profile



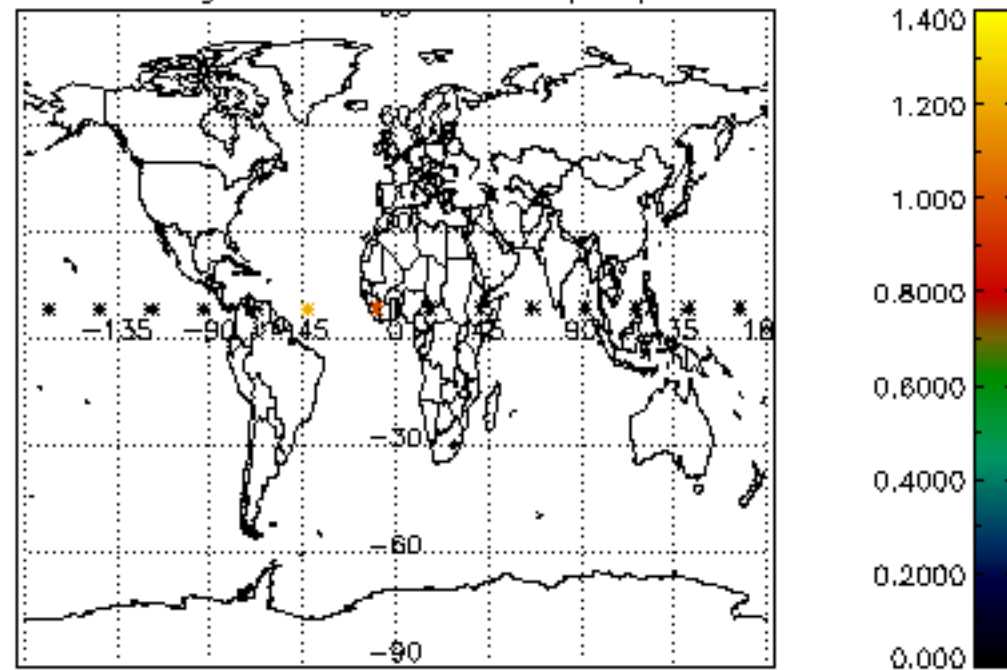




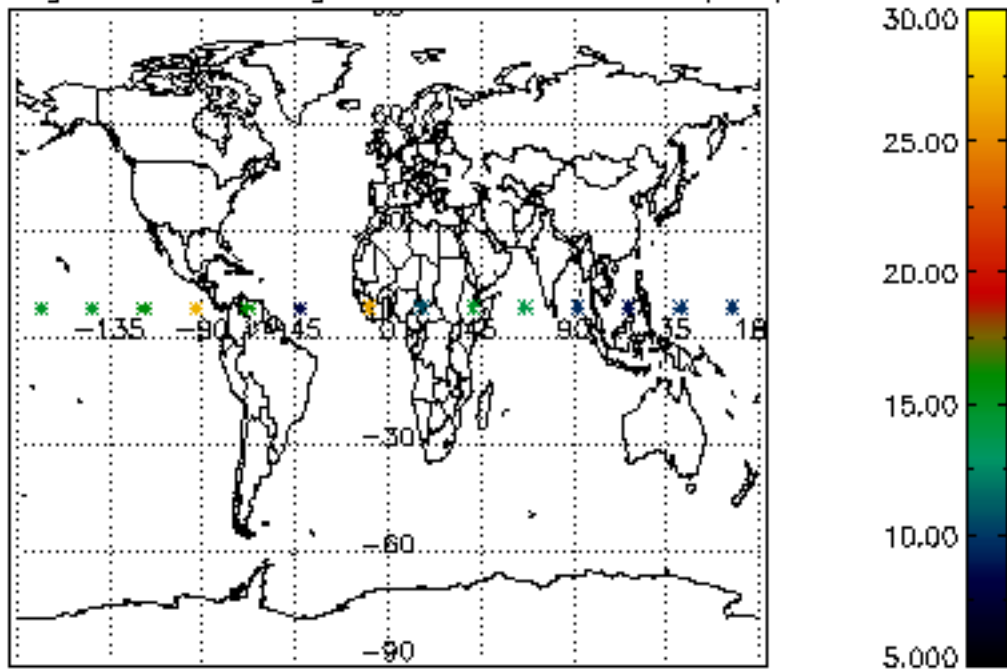
Percentage of cosmic ray hits per profile



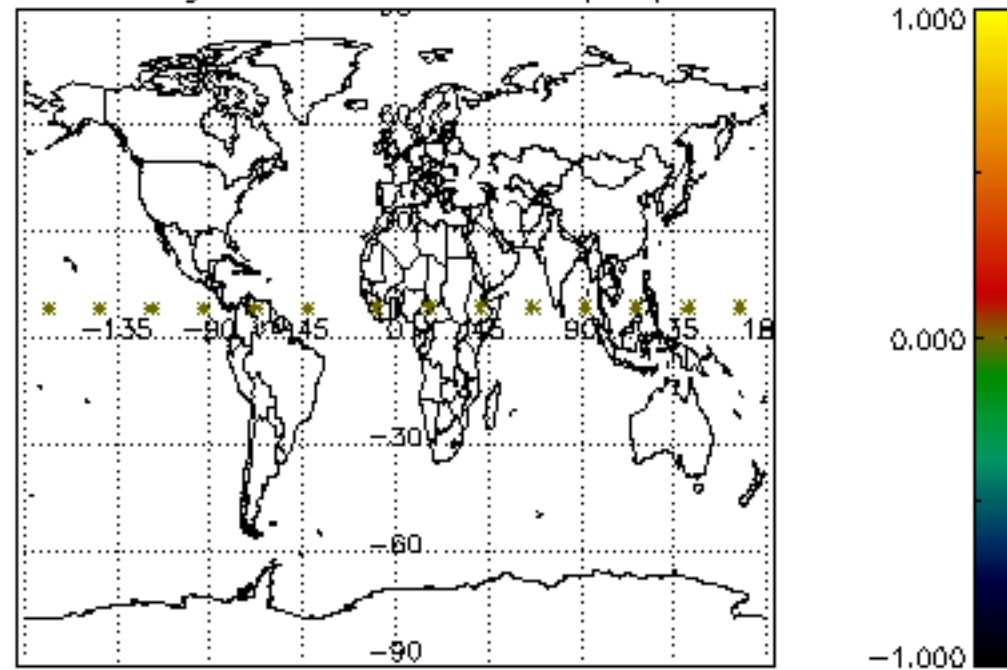
Percentage of datation errors per profile



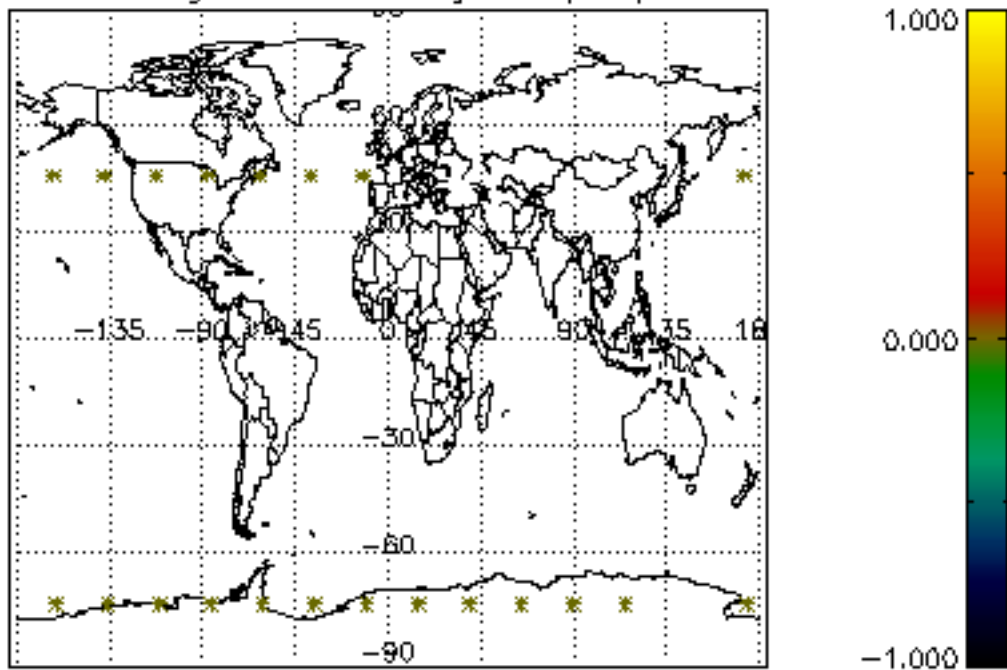
Percentage of star falling outside central band per profile



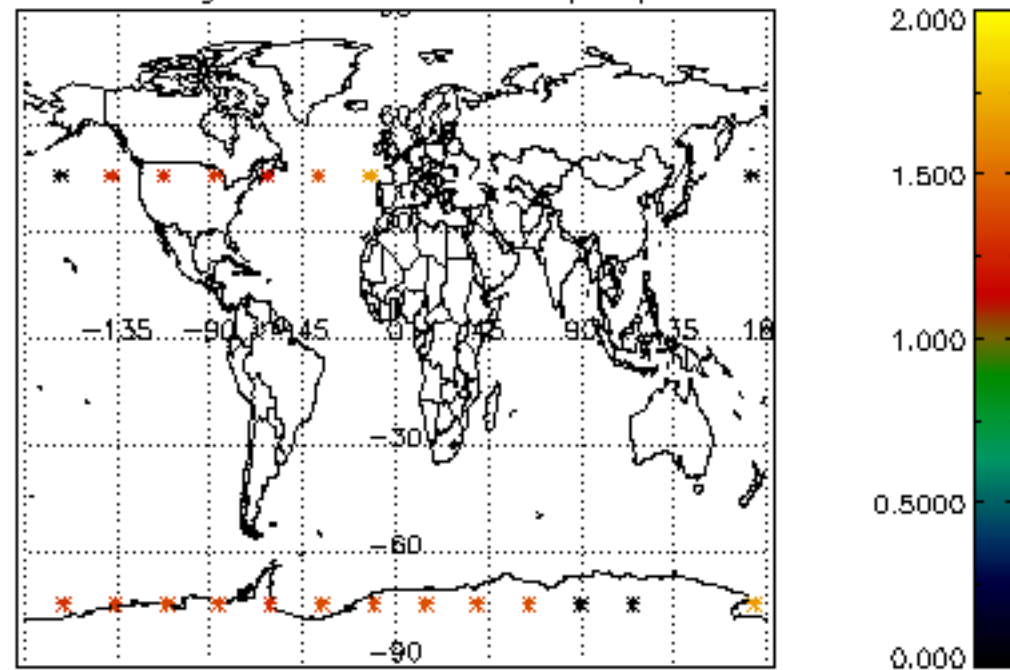
Percentage of saturation errors per profile



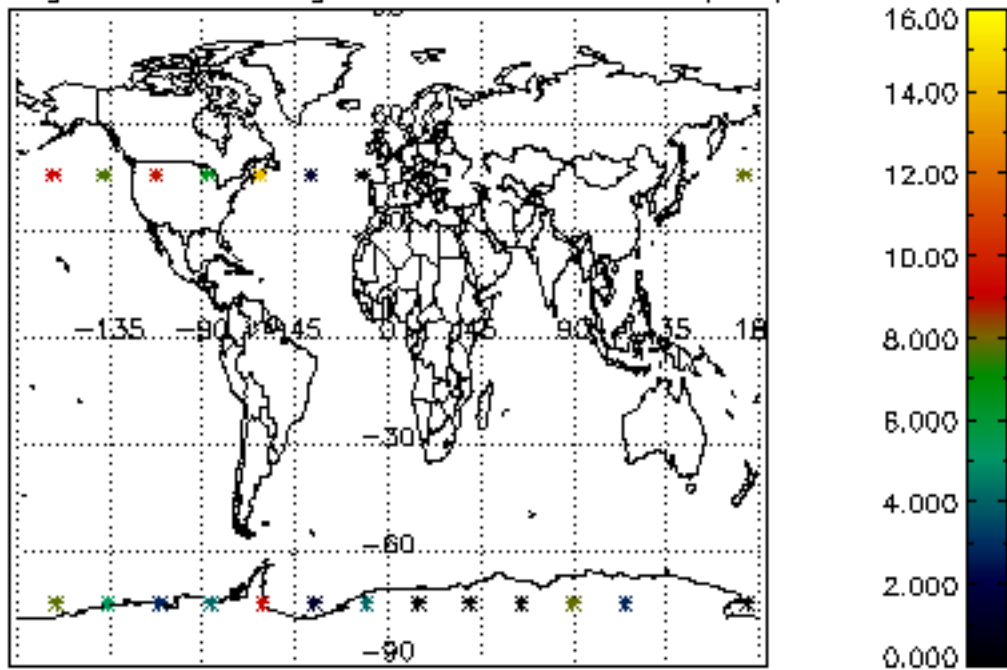
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

