

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	24APR2013 10:49:10
Data source version	GOMOS/6.01
Start time of products	02-03-2011 (02MAR2011 00:00:00)
Stop time of products	03-03-2011 (03MAR2011 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	31
Nb of prods with errors	0

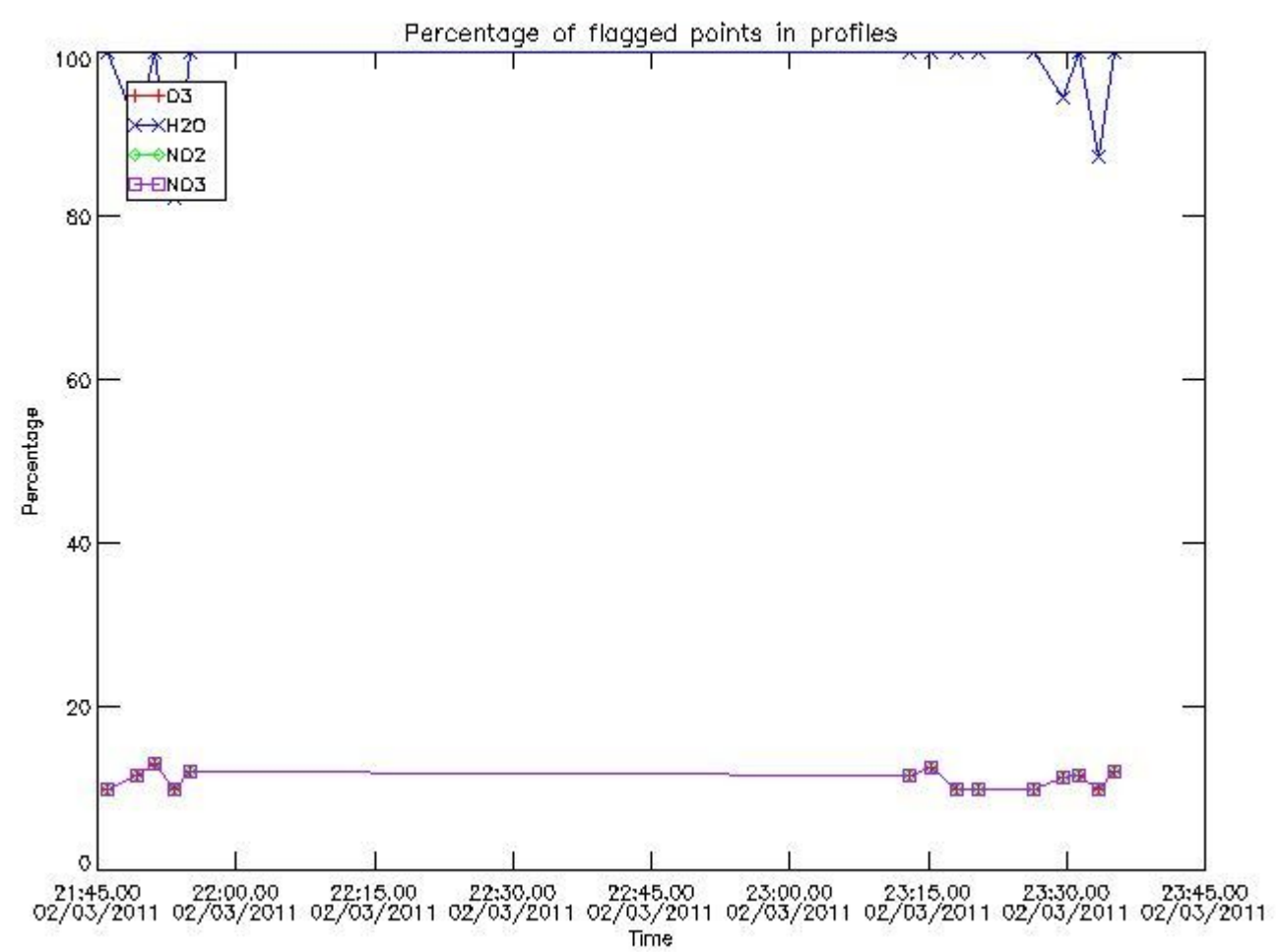
2. Summary of processed GOM_NL__2P products.

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20110302_214604_000000513100_00087_47084_4319.N1	02-MAR-2011 21:46:04	Dark	51.000	131	Gam Lup	2.8000	26000.	102	47084	No
2	GOM_NL__2PRFIN20110302_214921_000000453100_00087_47084_4320.N1	02-MAR-2011 21:49:21	Dark	44.500	10	Bet Cen	0.61000	28000.	89	47084	No
3	GOM_NL__2PRFIN20110302_215111_000000433100_00087_47084_4321.N1	02-MAR-2011 21:51:11	Dark	43.000	77	Eps Cen	2.3030	28000.	86	47084	No
4	GOM_NL__2PRFIN20110302_215318_000000513100_00087_47084_4322.N1	02-MAR-2011 21:53:18	Dark	51.000	54	5The Cen	2.0550	4500.0	102	47084	No
5	GOM_NL__2PRFIN20110302_215501_000000423100_00087_47084_4323.N1	02-MAR-2011 21:55:01	Dark	42.000	99	Del Cen	2.5750	26000.	84	47084	No
6	GOM_NL__2PRFIN20110302_220344_000000613100_00087_47084_4324.N1	02-MAR-2011 22:03:44	Straylight	61.000	171	2Eps Crv	3.0010	4250.0	122	47084	No
7	GOM_NL__2PRFIN20110302_221544_000000433100_00087_47084_4325.N1	02-MAR-2011 22:15:44	Bright	42.500	22	32Alp Leo	1.3600	15200.	85	47084	No
8	GOM_NL__2PRFIN20110302_221817_000000413100_00087_47084_4326.N1	02-MAR-2011 22:18:17	Bright	41.000	51	41Gam1Leo	2.0100	4500.0	82	47084	No
9	GOM_NL__2PRFIN20110302_221955_000000723100_00087_47084_4327.N1	02-MAR-2011 22:19:55	Bright	72.000	96	68Del Leo	2.5600	9300.0	144	47084	No
10	GOM_NL__2PRFIN20110302_222700_000000433100_00087_47084_4328.N1	02-MAR-2011 22:27:00	Bright	42.500	174	52Psi UMa	3.0040	4400.0	85	47084	No
11	GOM_NL__2PRFIN20110302_222950_000000413100_00087_47084_4329.N1	02-MAR-2011 22:29:50	Bright	40.500	82	48Bet UMa	2.3650	10600.	81	47084	No
12	GOM_NL__2PRFIN20110302_223111_000000423100_00087_47084_4330.N1	02-MAR-2011 22:31:11	Bright	41.500	36	50Alp UMa	1.8000	6300.0	83	47084	No
13	GOM_NL__2PRFIN20110302_223410_000000493100_00087_47084_4331.N1	02-MAR-2011 22:34:10	Bright	48.500	32	77Eps UMa	1.7630	11000.	97	47084	No
14	GOM_NL__2PRFIN20110302_223822_000000393100_00087_47084_4332.N1	02-MAR-2011 22:38:22	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	47084	No
15	GOM_NL__2PRFIN20110302_224258_000000473100_00087_47084_4333.N1	02-MAR-2011 22:42:58	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	47084	No
16	GOM_NL__2PRFIN20110302_224726_000000473100_00087_47084_4334.N1	02-MAR-2011 22:47:26	Bright	46.500	130	23Bet Dra	2.7990	5800.0	93	47084	No
17	GOM_NL__2PRFIN20110302_225032_000000543100_00087_47084_4335.N1	02-MAR-2011 22:50:32	Bright	54.000	144	18Del Cyg	2.8600	11000.	108	47084	No
18	GOM_NL__2PRFIN20110302_225239_000000453100_00087_47084_4336.N1	02-MAR-2011 22:52:39	Bright	45.000	5	3Alp Lyr	0.033000	11000.	90	47084	No
19	GOM_NL__2PRFIN20110302_230023_000000393100_00087_47084_4337.N1	02-MAR-2011 23:00:23	Bright	38.500	168	17Zet Aql	2.9860	11000.	77	47084	No
20	GOM_NL__2PRFIN20110302_231253_000000483100_00087_47084_4338.N1	02-MAR-2011 23:12:53	Dark	48.000	137	22Lam Sgr	2.8240	4400.0	96	47084	No
21	GOM_NL__2PRFIN20110302_231513_000000453100_00087_47084_4339.N1	02-MAR-2011 23:15:13	Dark	44.500	38	20Eps Sgr	1.8360	11000.	89	47084	No
22	GOM_NL__2PRFIN20110302_231809_000000573100_00087_47084_4340.N1	02-MAR-2011 23:18:09	Dark	56.500	25	35Lam Sco	1.6200	28000.	113	47084	No
23	GOM_NL__2PRFIN20110302_232025_000000523100_00087_47084_4341.N1	02-MAR-2011 23:20:25	Dark	51.500	75	26Eps Sco	2.2910	4250.0	103	47084	No
24	GOM_NL__2PRFIN20110302_232619_000000523100_00088_47085_4701.N1	02-MAR-2011 23:26:19	Dark	52.000	131	Gam Lup	2.8000	26000.	104	47085	No
25	GOM_NL__2PRFIN20110302_232936_000000453100_00088_47085_4702.N1	02-MAR-2011 23:29:36	Dark	45.000	10	Bet Cen	0.61000	28000.	90	47085	No
26	GOM_NL__2PRFIN20110302_233126_000000443100_00088_47085_4703.N1	02-MAR-2011 23:31:26	Dark	44.000	77	Eps Cen	2.3030	28000.	88	47085	No
27	GOM_NL__2PRFIN20110302_233333_000000513100_00088_47085_4704.N1	02-MAR-2011 23:33:33	Dark	51.000	54	5The Cen	2.0550	4500.0	102	47085	No
28	GOM_NL__2PRFIN20110302_233515_000000433100_00088_47085_4705.N1	02-MAR-2011 23:35:15	Dark	42.500	99	Del Cen	2.5750	26000.	85	47085	No
29	GOM_NL__2PRFIN20110302_234358_000000573100_00088_47085_4706.N1	02-MAR-2011 23:43:58	Straylight	57.000	171	2Eps Crv	3.0010	4250.0	114	47085	No
30	GOM_NL__2PRFIN20110302_235558_000000423100_00088_47085_4707.N1	02-MAR-2011 23:55:58	Bright	41.500	22	32Alp Leo	1.3600	15200.	83	47085	No
31	GOM_NL__2PRFIN20110302_235831_000000433100_00088_47085_4708.N1	02-MAR-2011 23:58:31	Bright	43.000	51	41Gam1Leo	2.0100	4500.0	86	47085	No

3. Quality information per product

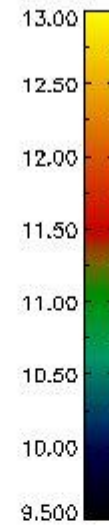
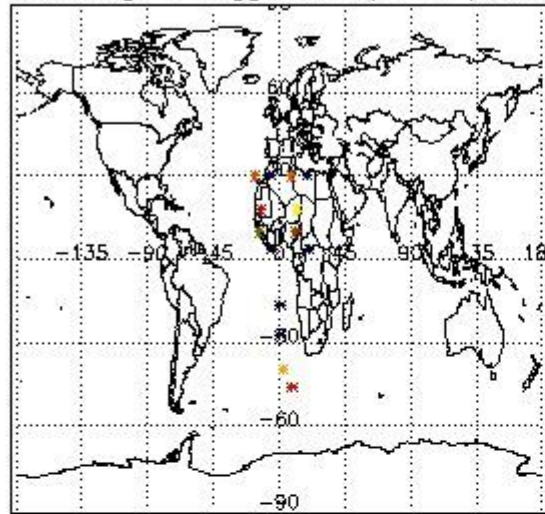
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

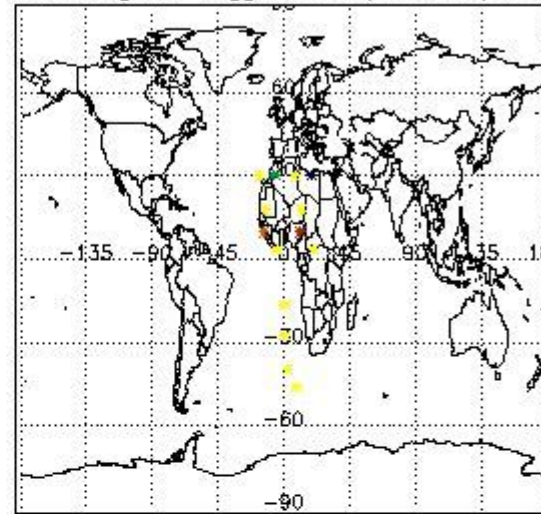


3.2 Plot quality information per product (world map)

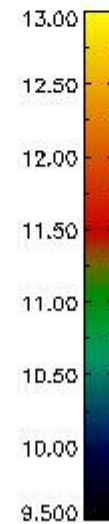
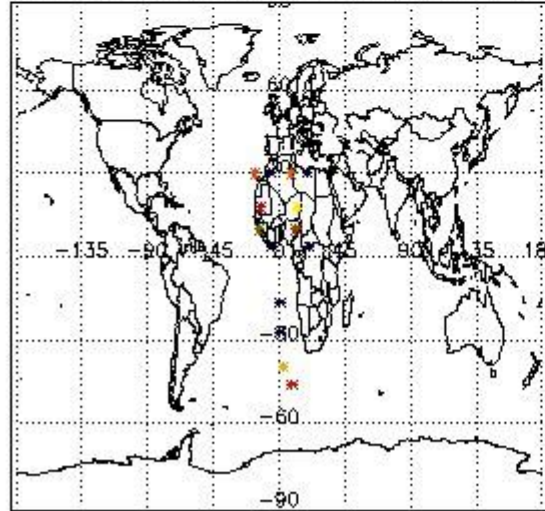
Percentage of flagged data per O3 profile



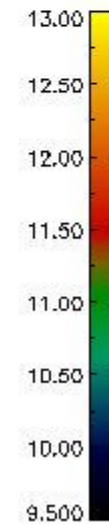
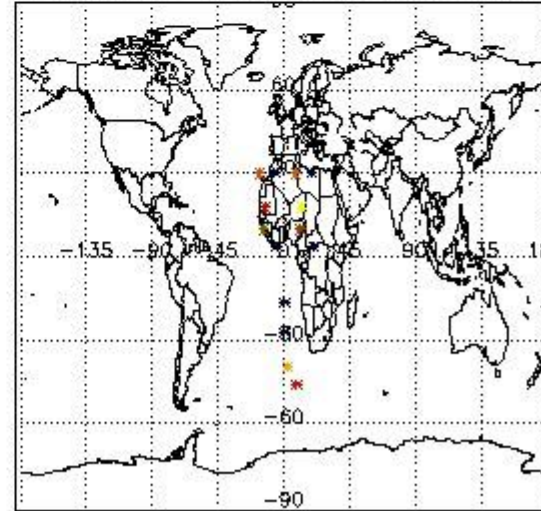
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

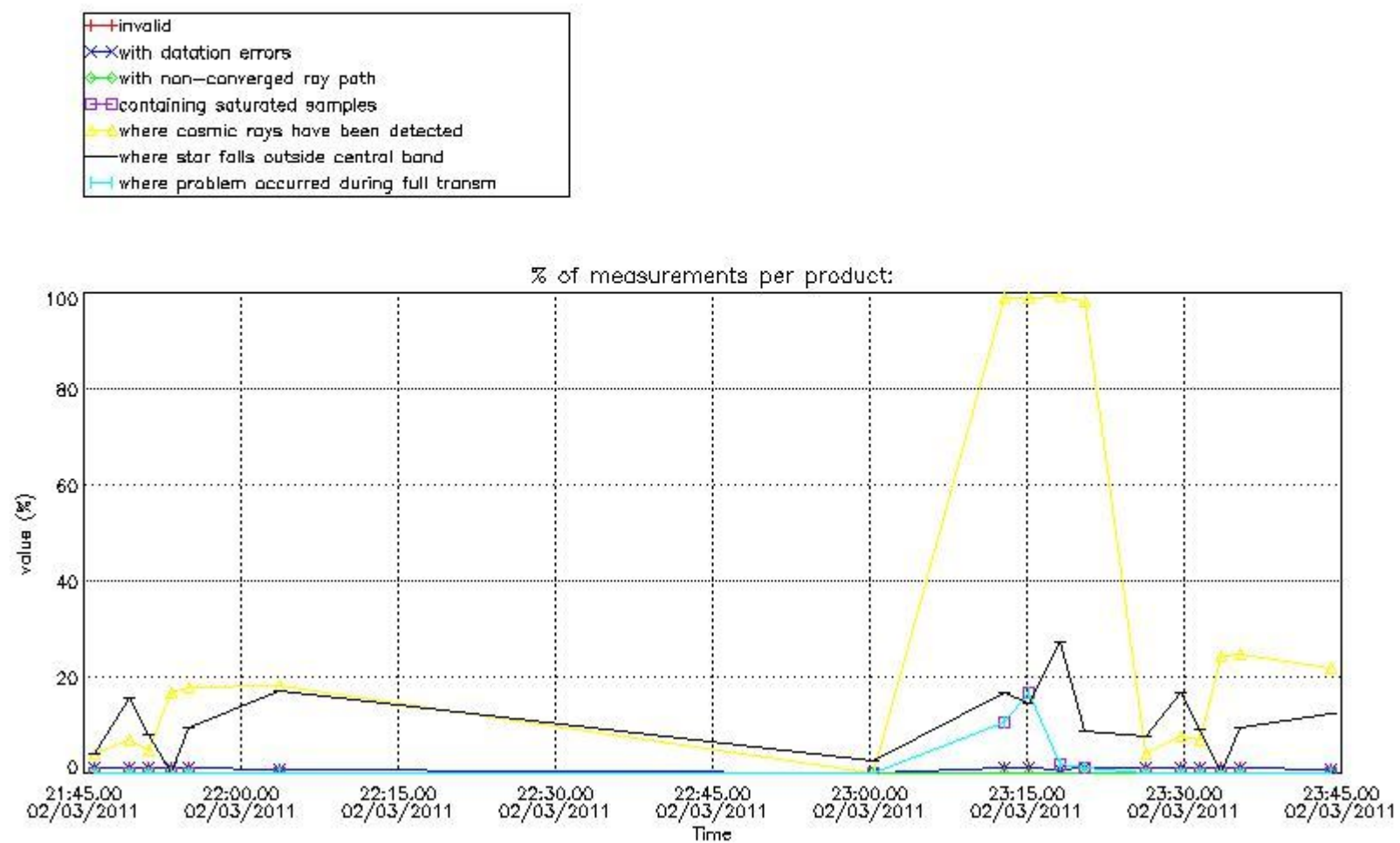


4. Level 1 quality information per product

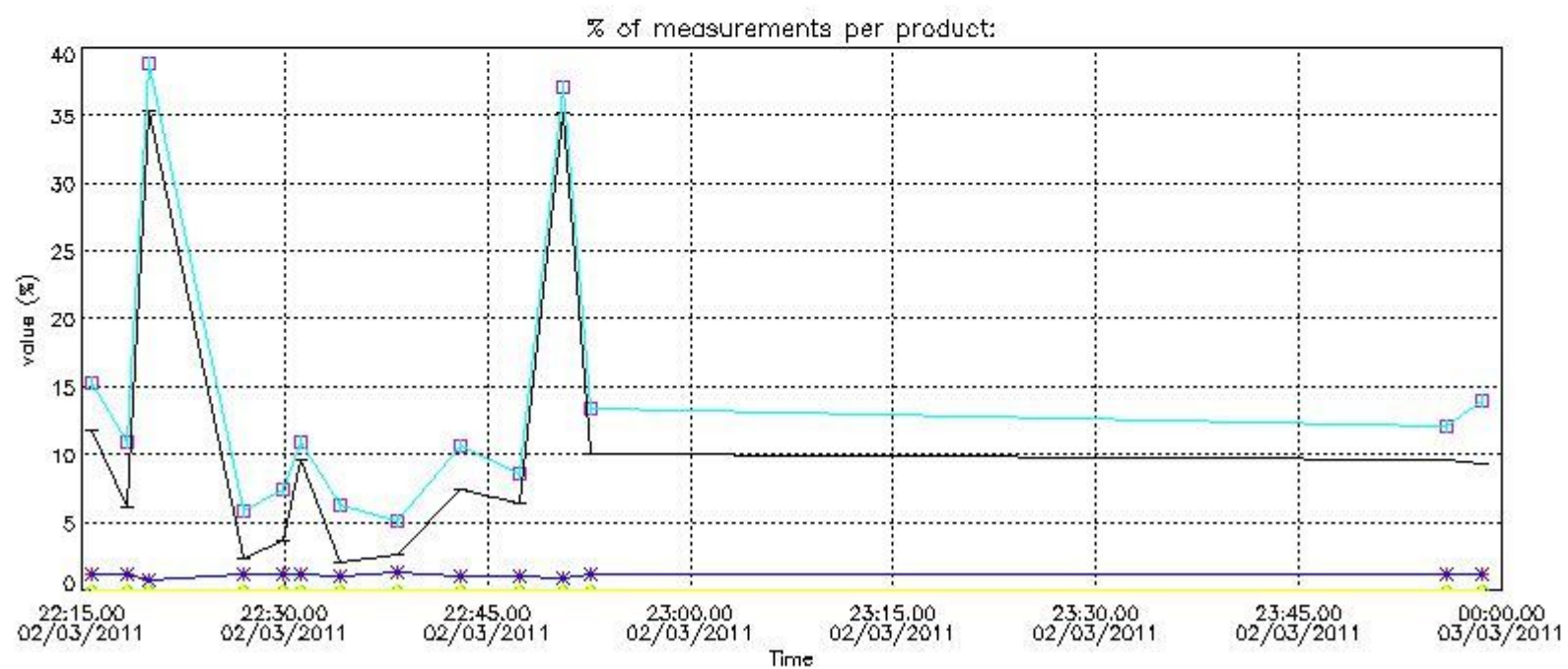
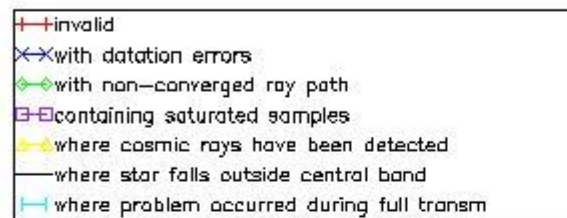
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



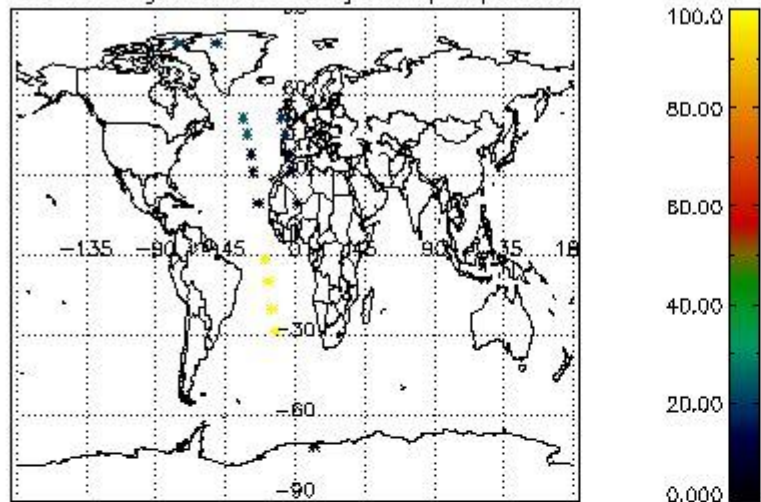
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



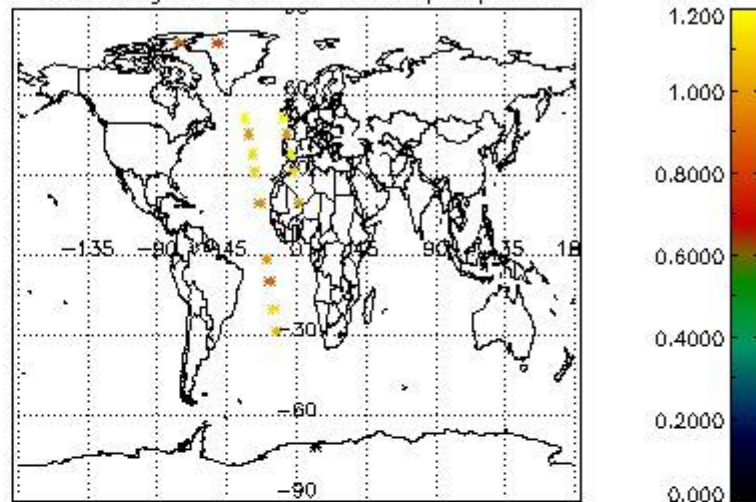
4.2 Plot quality information per product coming from level 1b processing (world map)

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

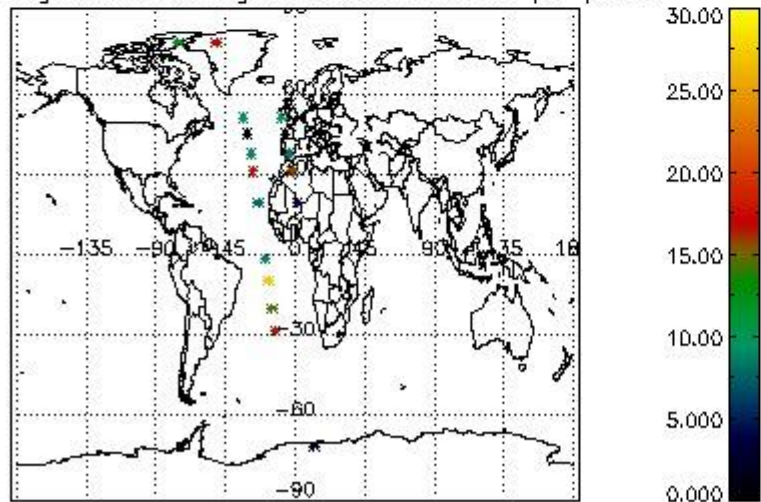
Percentage of cosmic ray hits per profile



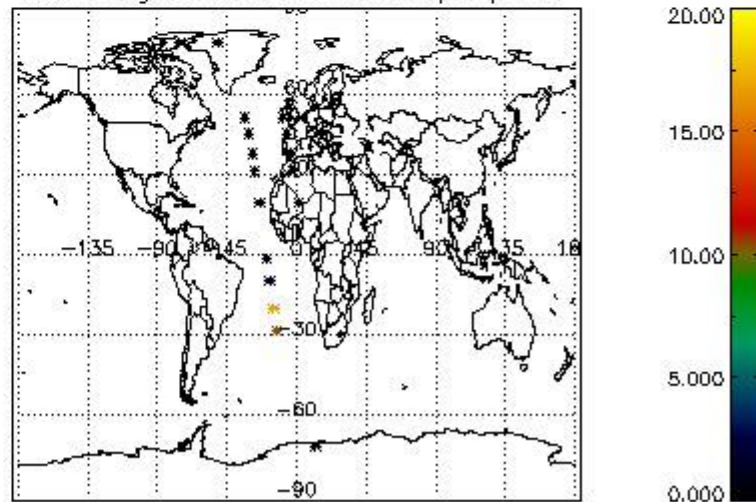
Percentage of datation errors per profile



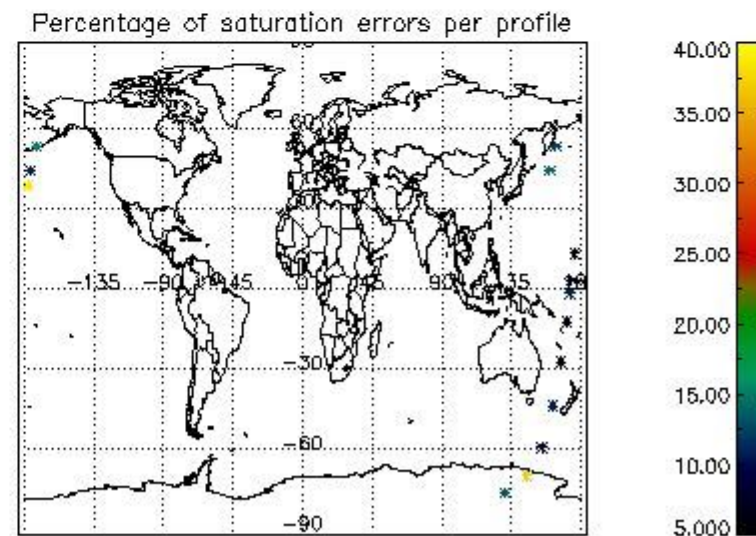
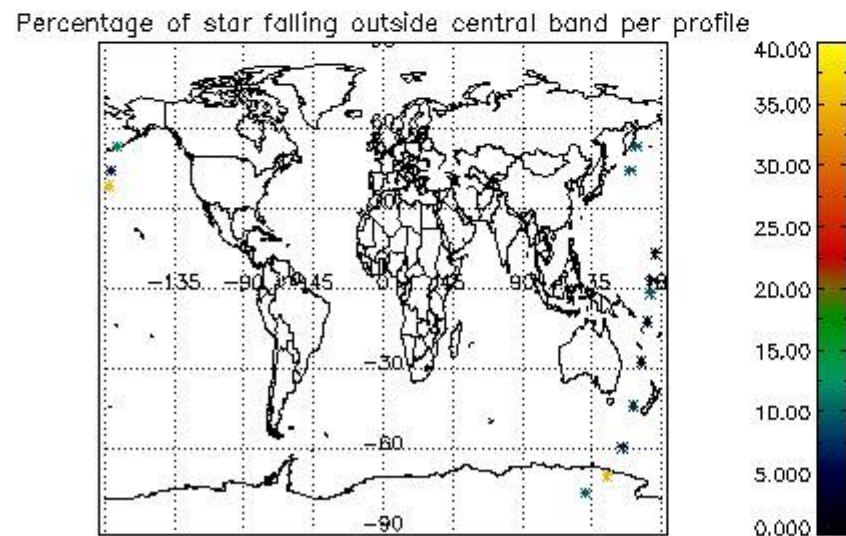
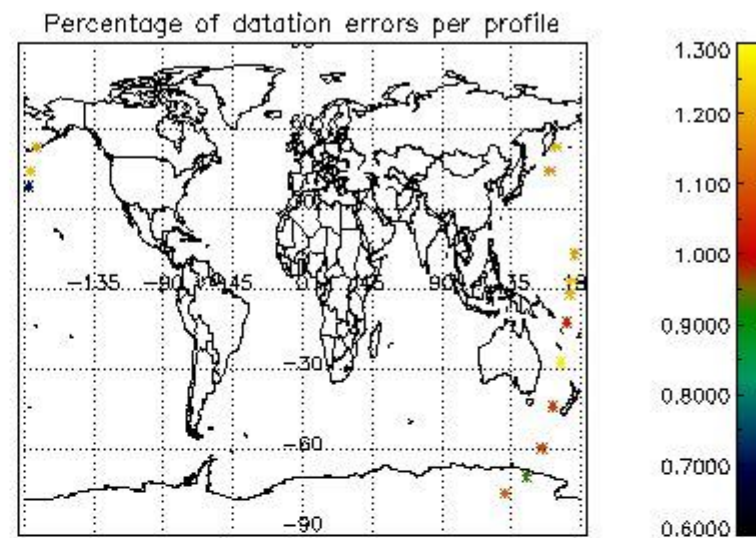
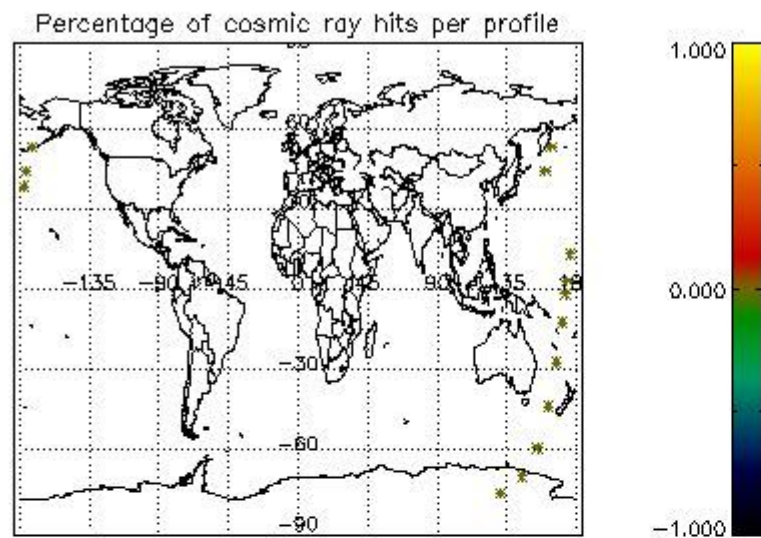
Percentage of star falling outside central band per profile



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

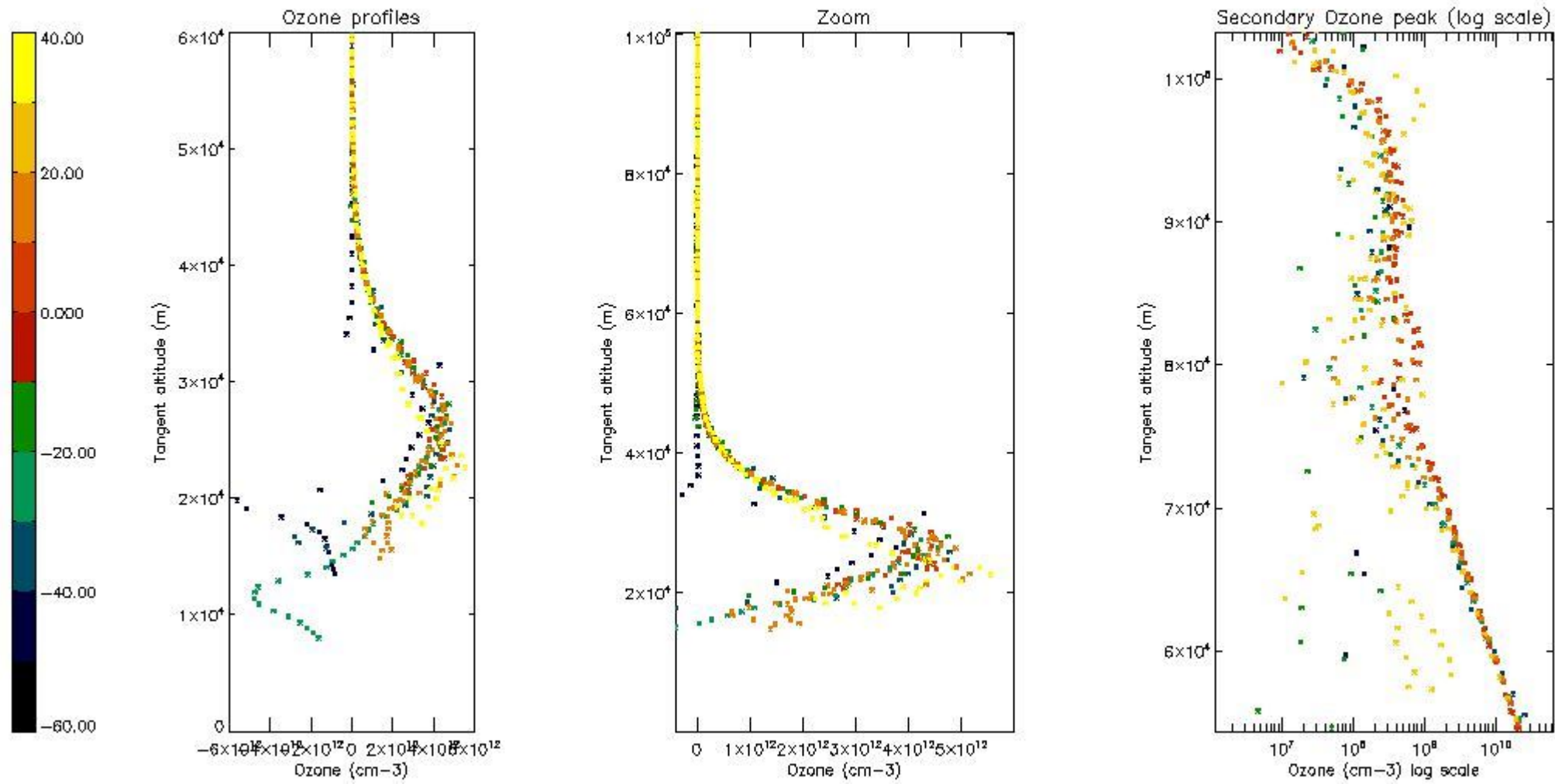
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	46
STD < 20	25

STD < 10	20
STD < 5	14

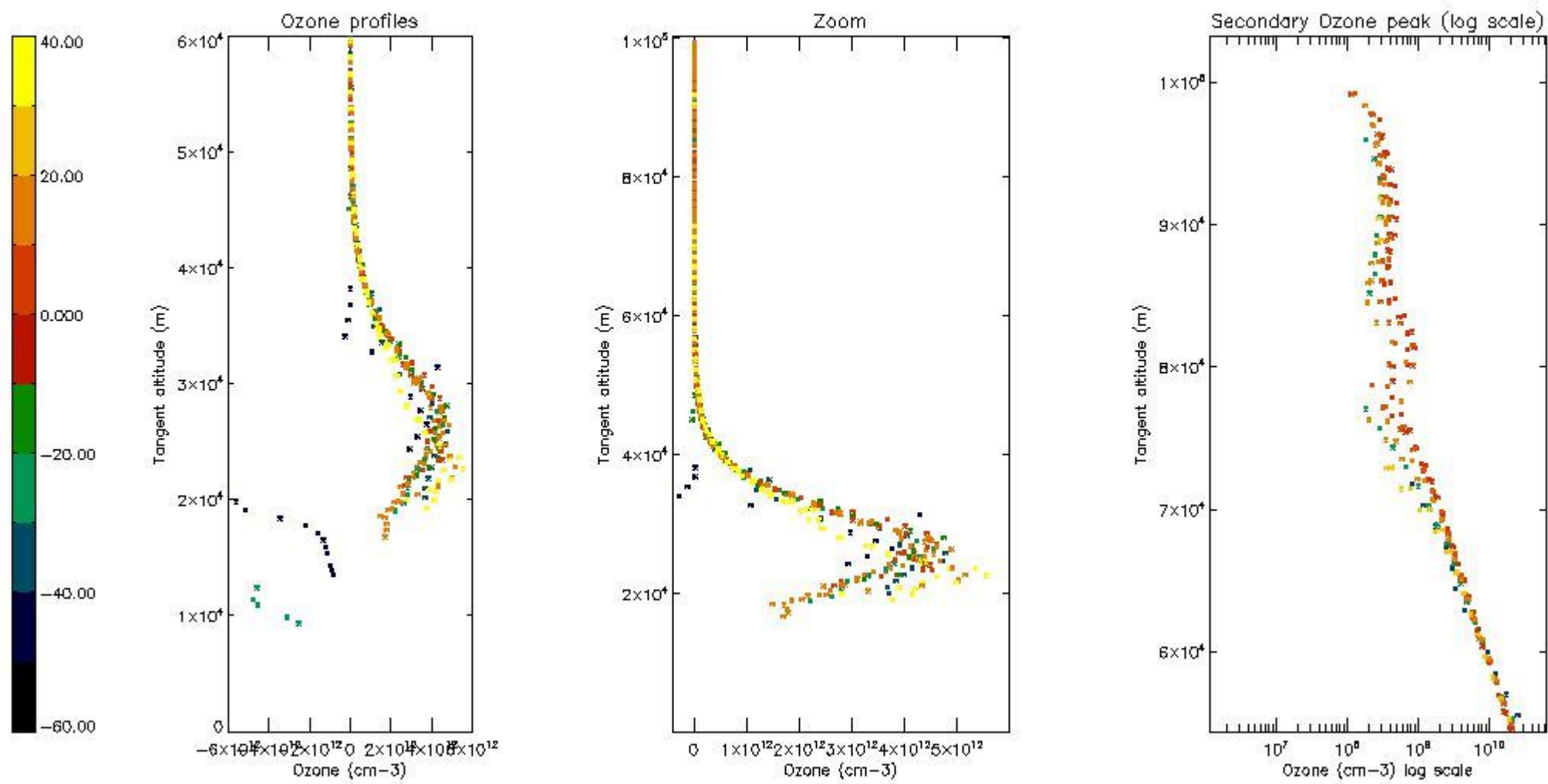
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



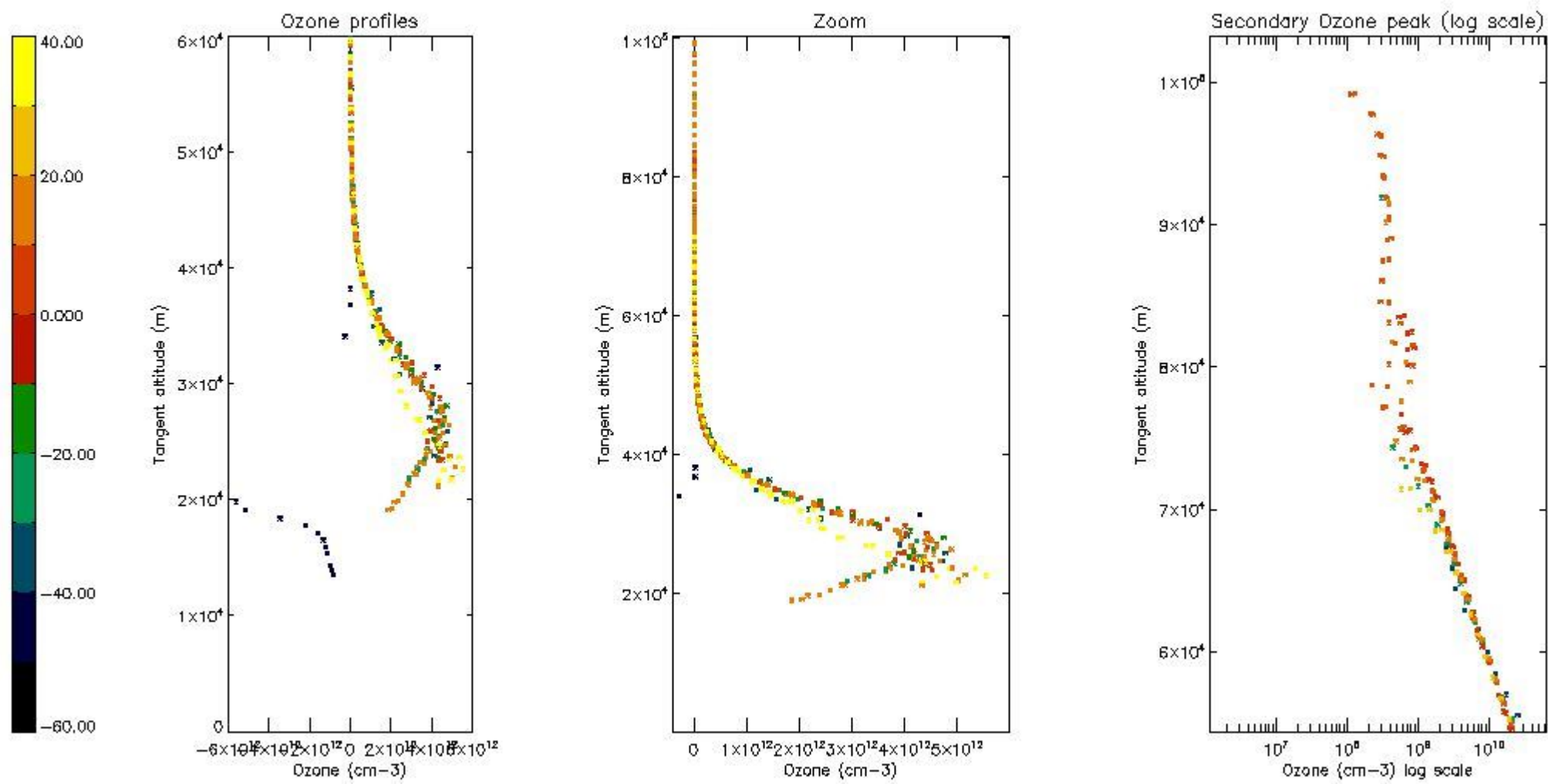
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



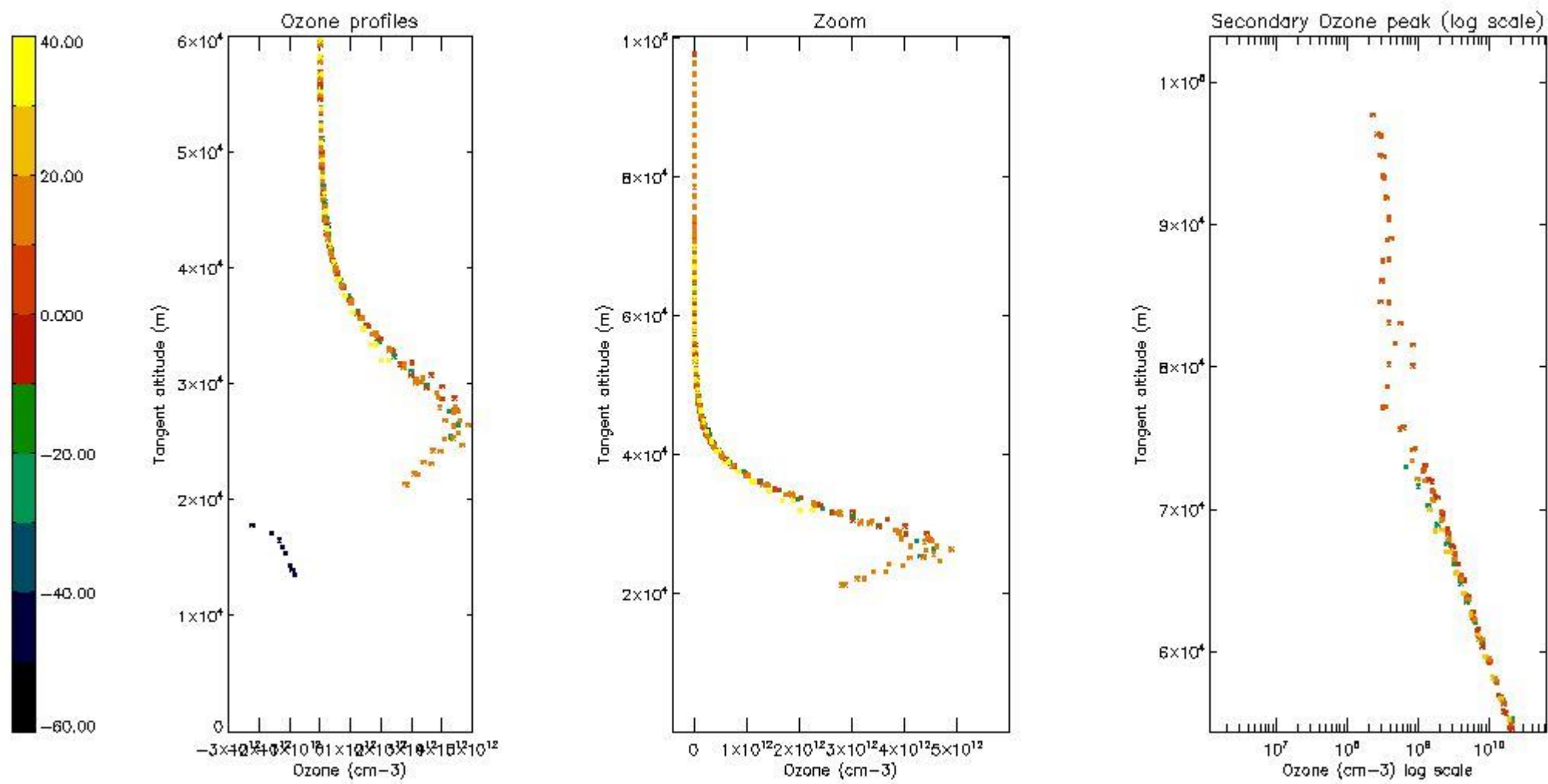
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



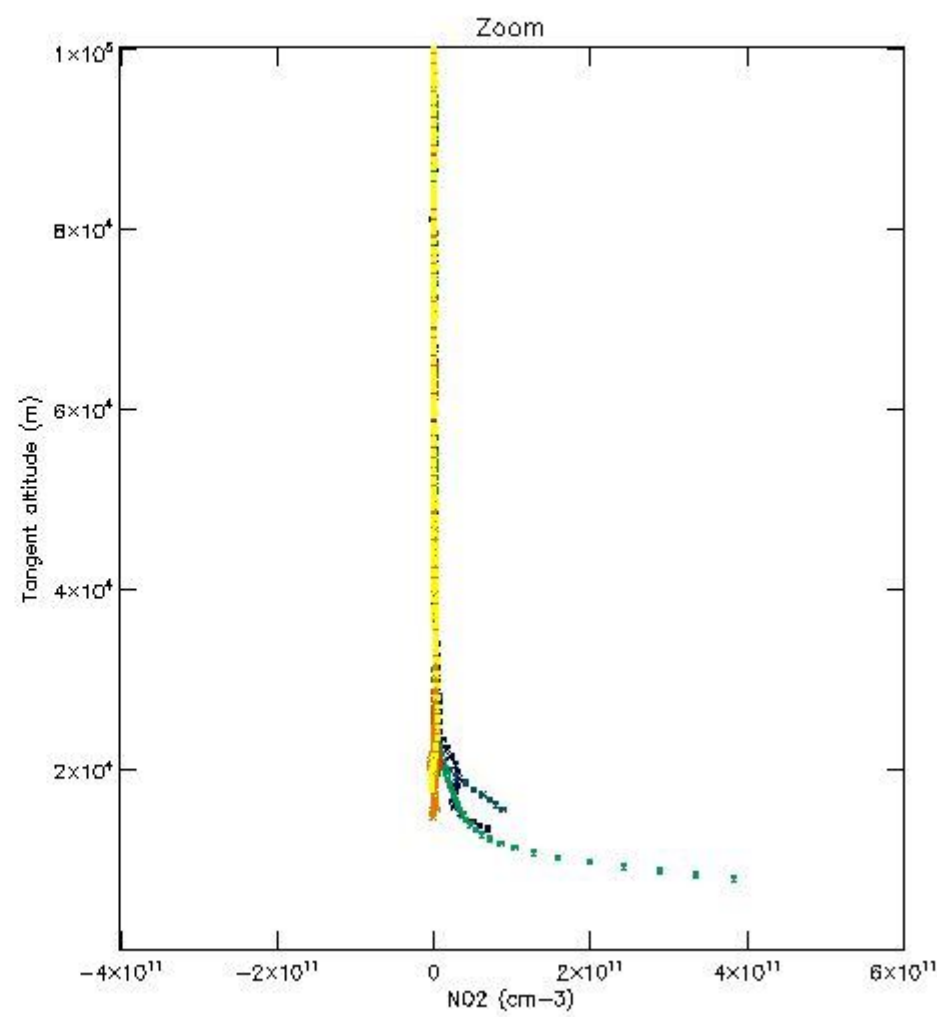
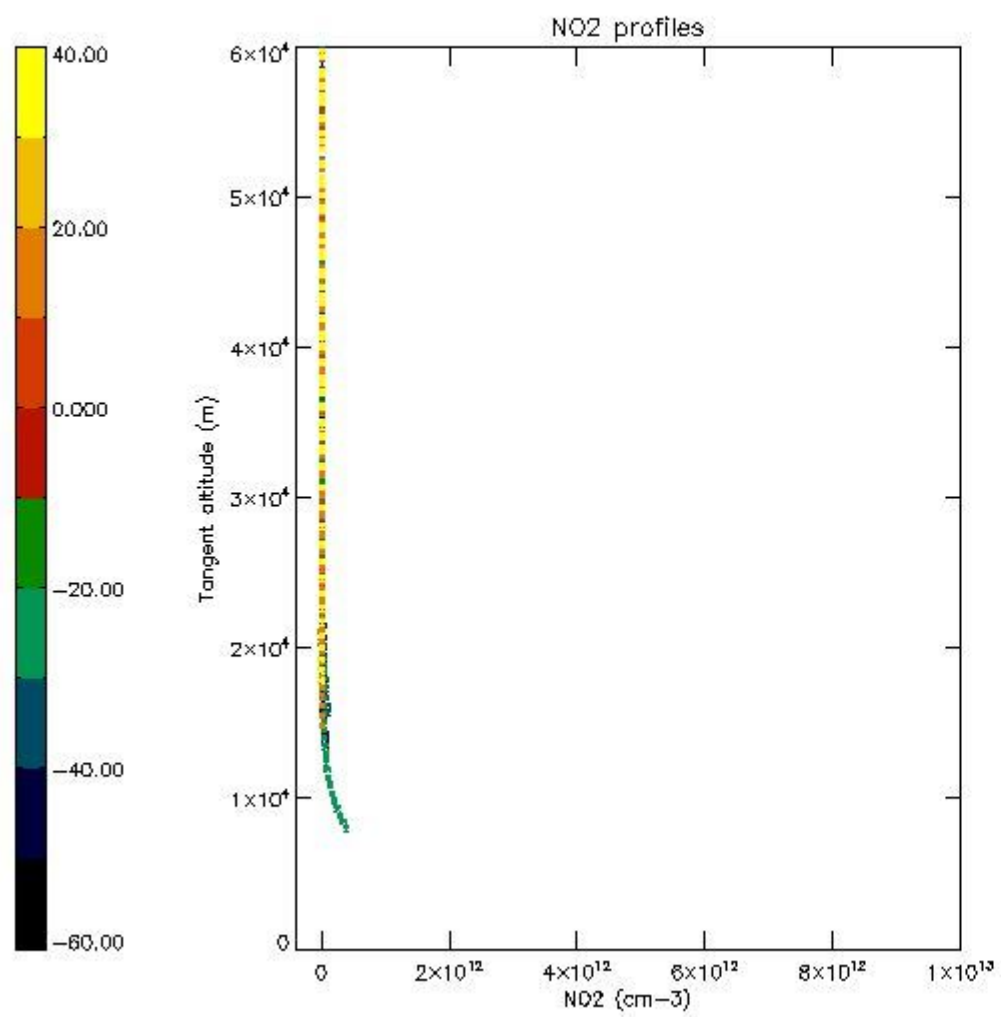
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



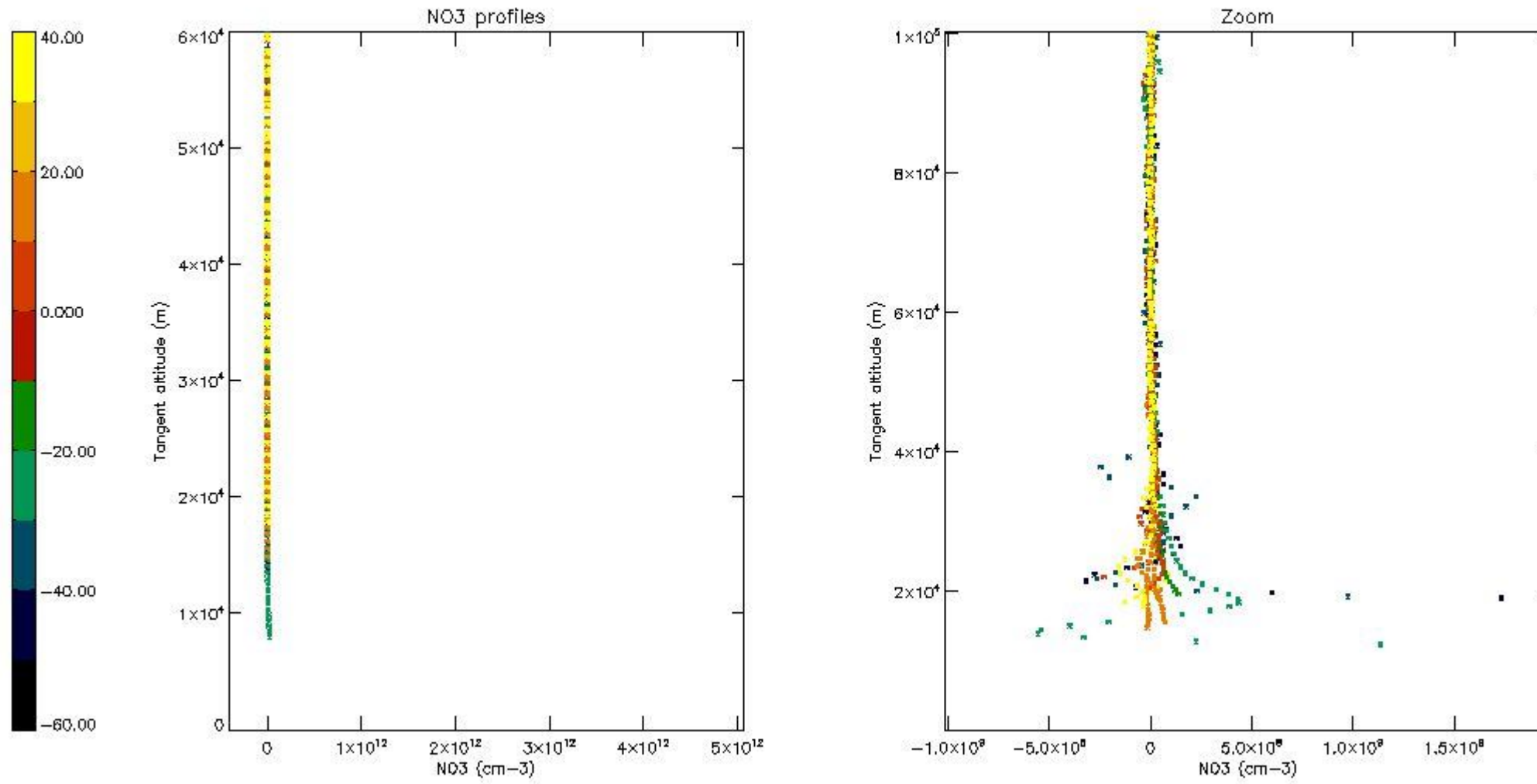
5.6 Plot NO₂ profiles for all STD (dark without errors)

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	02-MAR-2011 21:46:04
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	02-MAR-2011 21:46:04
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	02-MAR-2011 21:46:04

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[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](#)

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Stop time of products	03-03-2011 (03MAR2011 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	31
Nb of prods with errors	0

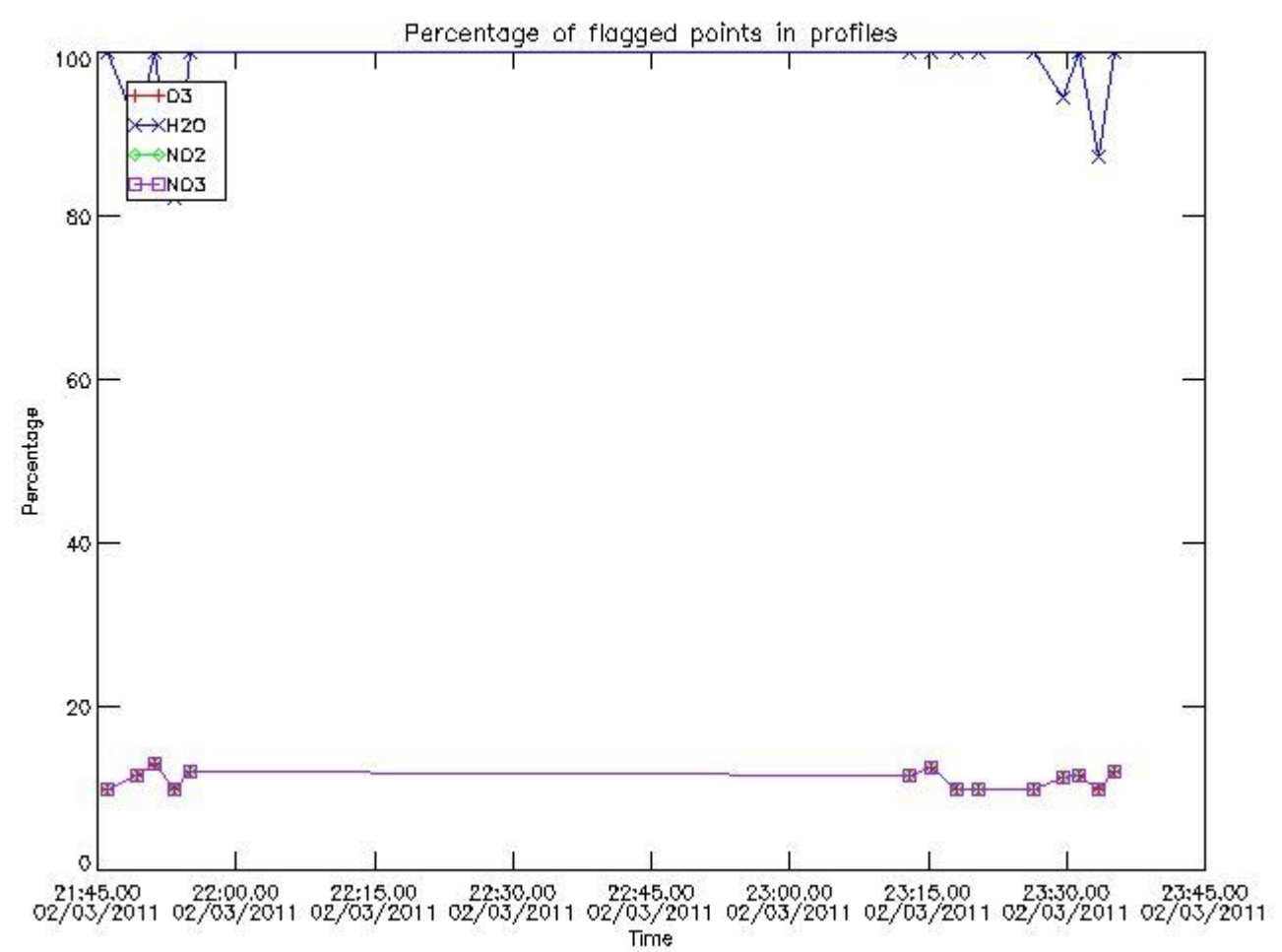
2. Summary of processed GOM_NL__2P products.

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20110302_214604_000000513100_00087_47084_4319.N1	02-MAR-2011 21:46:04	Dark	51.000	131	Gam Lup	2.8000	26000.	102	47084	No
2	GOM_NL__2PRFIN20110302_214921_000000453100_00087_47084_4320.N1	02-MAR-2011 21:49:21	Dark	44.500	10	Bet Cen	0.61000	28000.	89	47084	No
3	GOM_NL__2PRFIN20110302_215111_000000433100_00087_47084_4321.N1	02-MAR-2011 21:51:11	Dark	43.000	77	Eps Cen	2.3030	28000.	86	47084	No
4	GOM_NL__2PRFIN20110302_215318_000000513100_00087_47084_4322.N1	02-MAR-2011 21:53:18	Dark	51.000	54	5The Cen	2.0550	4500.0	102	47084	No
5	GOM_NL__2PRFIN20110302_215501_000000423100_00087_47084_4323.N1	02-MAR-2011 21:55:01	Dark	42.000	99	Del Cen	2.5750	26000.	84	47084	No
6	GOM_NL__2PRFIN20110302_220344_000000613100_00087_47084_4324.N1	02-MAR-2011 22:03:44	Straylight	61.000	171	2Eps Crv	3.0010	4250.0	122	47084	No
7	GOM_NL__2PRFIN20110302_221544_000000433100_00087_47084_4325.N1	02-MAR-2011 22:15:44	Bright	42.500	22	32Alp Leo	1.3600	15200.	85	47084	No
8	GOM_NL__2PRFIN20110302_221817_000000413100_00087_47084_4326.N1	02-MAR-2011 22:18:17	Bright	41.000	51	41Gam1Leo	2.0100	4500.0	82	47084	No
9	GOM_NL__2PRFIN20110302_221955_000000723100_00087_47084_4327.N1	02-MAR-2011 22:19:55	Bright	72.000	96	68Del Leo	2.5600	9300.0	144	47084	No
10	GOM_NL__2PRFIN20110302_222700_000000433100_00087_47084_4328.N1	02-MAR-2011 22:27:00	Bright	42.500	174	52Psi UMa	3.0040	4400.0	85	47084	No
11	GOM_NL__2PRFIN20110302_222950_000000413100_00087_47084_4329.N1	02-MAR-2011 22:29:50	Bright	40.500	82	48Bet UMa	2.3650	10600.	81	47084	No
12	GOM_NL__2PRFIN20110302_223111_000000423100_00087_47084_4330.N1	02-MAR-2011 22:31:11	Bright	41.500	36	50Alp UMa	1.8000	6300.0	83	47084	No
13	GOM_NL__2PRFIN20110302_223410_000000493100_00087_47084_4331.N1	02-MAR-2011 22:34:10	Bright	48.500	32	77Eps UMa	1.7630	11000.	97	47084	No
14	GOM_NL__2PRFIN20110302_223822_000000393100_00087_47084_4332.N1	02-MAR-2011 22:38:22	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	47084	No
15	GOM_NL__2PRFIN20110302_224258_000000473100_00087_47084_4333.N1	02-MAR-2011 22:42:58	Bright	47.000	119	14Eta Dra	2.7270	4700.0	94	47084	No
16	GOM_NL__2PRFIN20110302_224726_000000473100_00087_47084_4334.N1	02-MAR-2011 22:47:26	Bright	46.500	130	23Bet Dra	2.7990	5800.0	93	47084	No
17	GOM_NL__2PRFIN20110302_225032_000000543100_00087_47084_4335.N1	02-MAR-2011 22:50:32	Bright	54.000	144	18Del Cyg	2.8600	11000.	108	47084	No
18	GOM_NL__2PRFIN20110302_225239_000000453100_00087_47084_4336.N1	02-MAR-2011 22:52:39	Bright	45.000	5	3Alp Lyr	0.033000	11000.	90	47084	No
19	GOM_NL__2PRFIN20110302_230023_000000393100_00087_47084_4337.N1	02-MAR-2011 23:00:23	Bright	38.500	168	17Zet Aql	2.9860	11000.	77	47084	No
20	GOM_NL__2PRFIN20110302_231253_000000483100_00087_47084_4338.N1	02-MAR-2011 23:12:53	Dark	48.000	137	22Lam Sgr	2.8240	4400.0	96	47084	No
21	GOM_NL__2PRFIN20110302_231513_000000453100_00087_47084_4339.N1	02-MAR-2011 23:15:13	Dark	44.500	38	20Eps Sgr	1.8360	11000.	89	47084	No
22	GOM_NL__2PRFIN20110302_231809_000000573100_00087_47084_4340.N1	02-MAR-2011 23:18:09	Dark	56.500	25	35Lam Sco	1.6200	28000.	113	47084	No
23	GOM_NL__2PRFIN20110302_232025_000000523100_00087_47084_4341.N1	02-MAR-2011 23:20:25	Dark	51.500	75	26Eps Sco	2.2910	4250.0	103	47084	No
24	GOM_NL__2PRFIN20110302_232619_000000523100_00088_47085_4701.N1	02-MAR-2011 23:26:19	Dark	52.000	131	Gam Lup	2.8000	26000.	104	47085	No
25	GOM_NL__2PRFIN20110302_232936_000000453100_00088_47085_4702.N1	02-MAR-2011 23:29:36	Dark	45.000	10	Bet Cen	0.61000	28000.	90	47085	No
26	GOM_NL__2PRFIN20110302_233126_000000443100_00088_47085_4703.N1	02-MAR-2011 23:31:26	Dark	44.000	77	Eps Cen	2.3030	28000.	88	47085	No
27	GOM_NL__2PRFIN20110302_233333_000000513100_00088_47085_4704.N1	02-MAR-2011 23:33:33	Dark	51.000	54	5The Cen	2.0550	4500.0	102	47085	No
28	GOM_NL__2PRFIN20110302_233515_000000433100_00088_47085_4705.N1	02-MAR-2011 23:35:15	Dark	42.500	99	Del Cen	2.5750	26000.	85	47085	No
29	GOM_NL__2PRFIN20110302_234358_000000573100_00088_47085_4706.N1	02-MAR-2011 23:43:58	Straylight	57.000	171	2Eps Crv	3.0010	4250.0	114	47085	No
30	GOM_NL__2PRFIN20110302_235558_000000423100_00088_47085_4707.N1	02-MAR-2011 23:55:58	Bright	41.500	22	32Alp Leo	1.3600	15200.	83	47085	No
31	GOM_NL__2PRFIN20110302_235831_000000433100_00088_47085_4708.N1	02-MAR-2011 23:58:31	Bright	43.000	51	41Gam1Leo	2.0100	4500.0	86	47085	No

3. Quality information per product

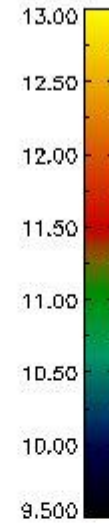
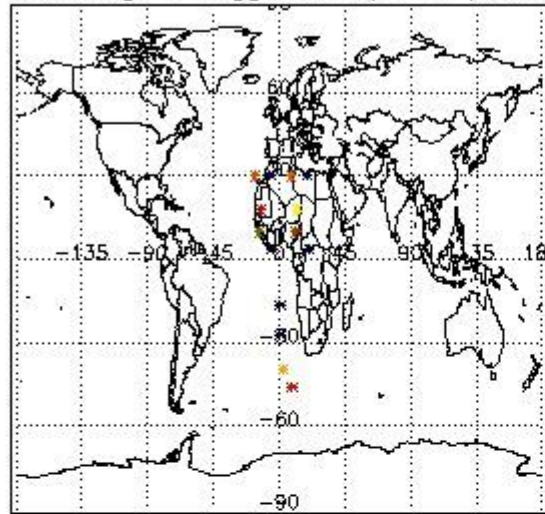
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

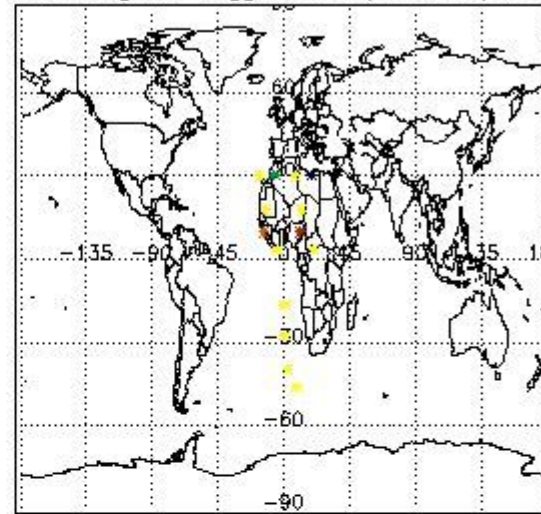


3.2 Plot quality information per product (world map)

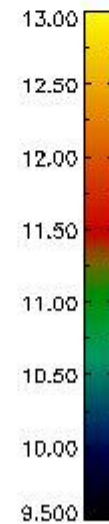
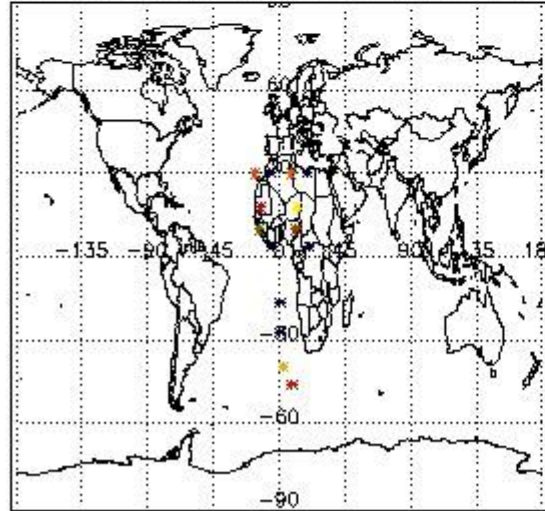
Percentage of flagged data per O3 profile



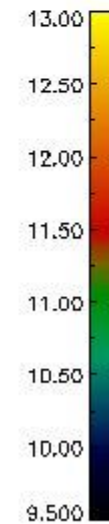
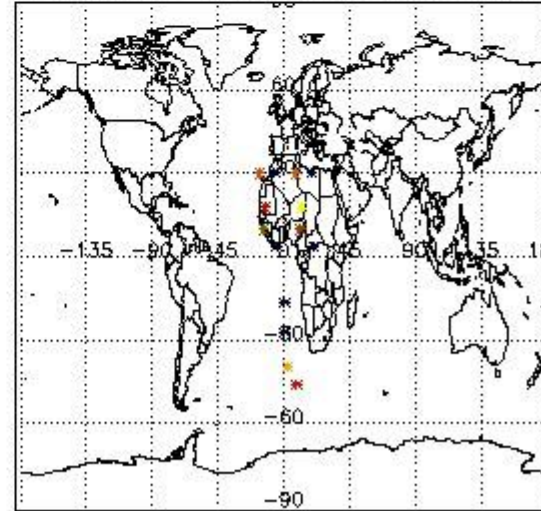
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

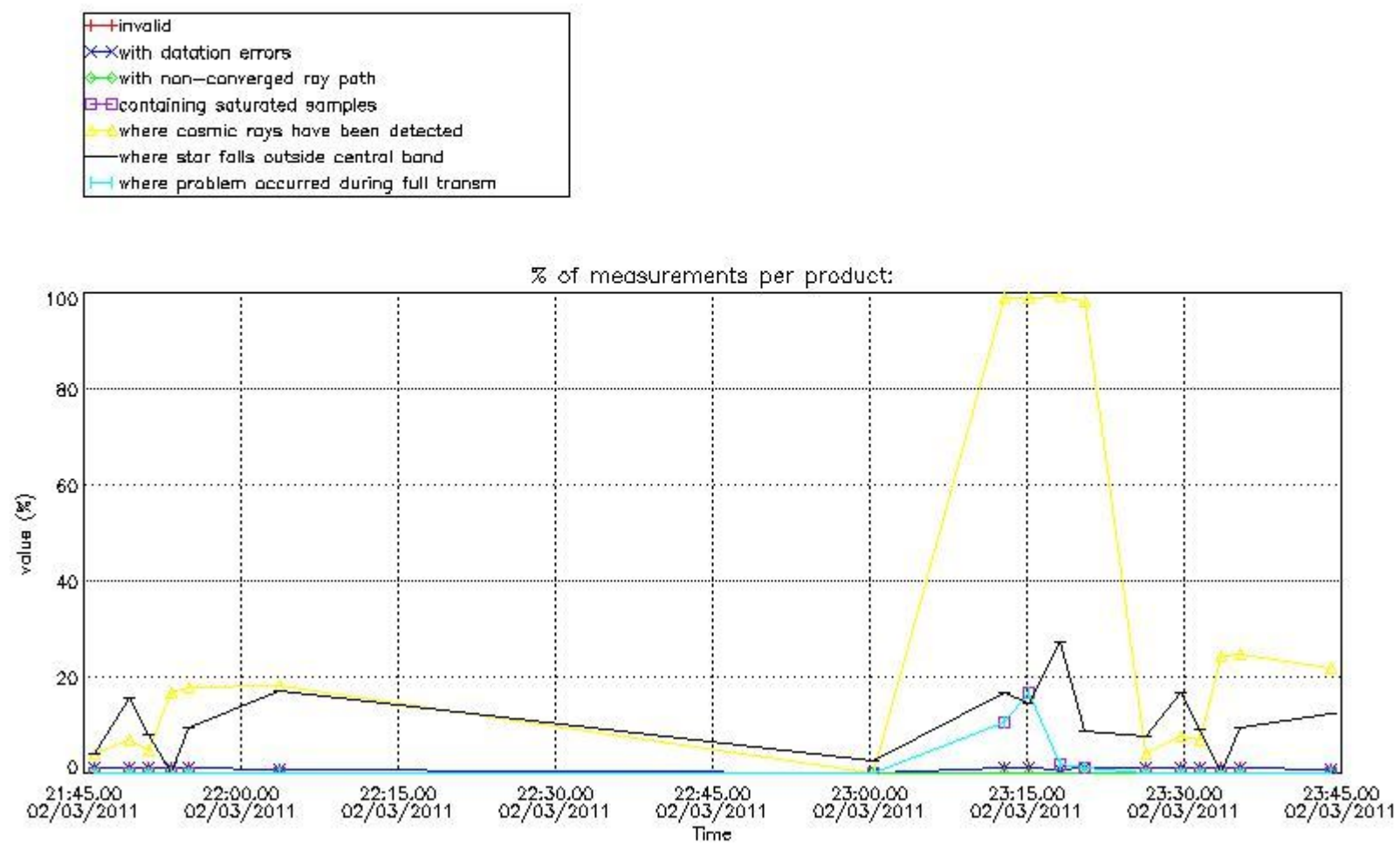


4. Level 1 quality information per product

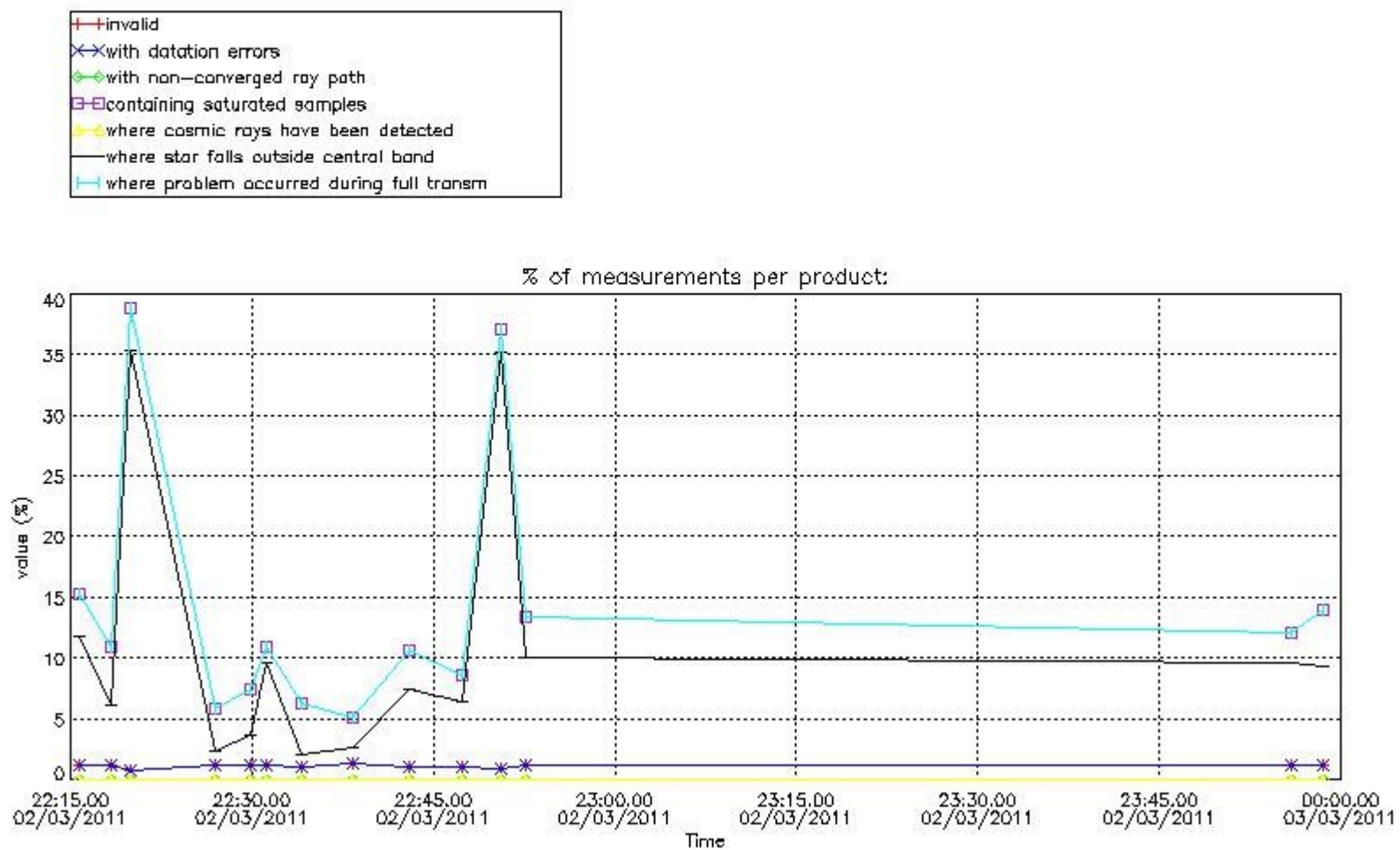
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



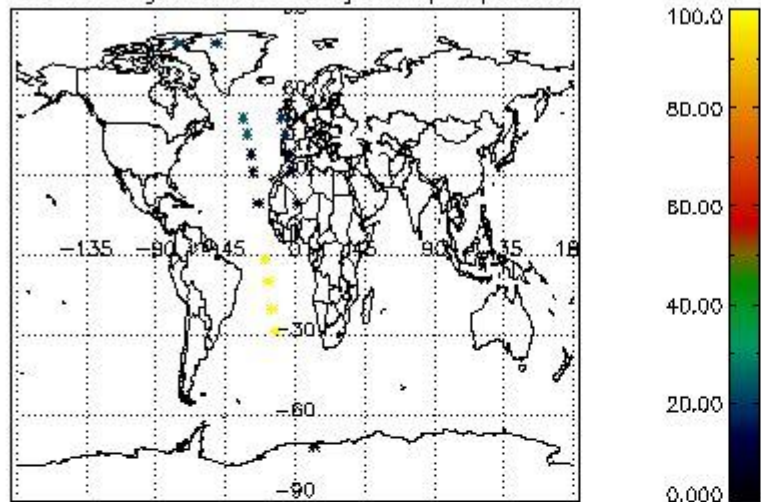
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



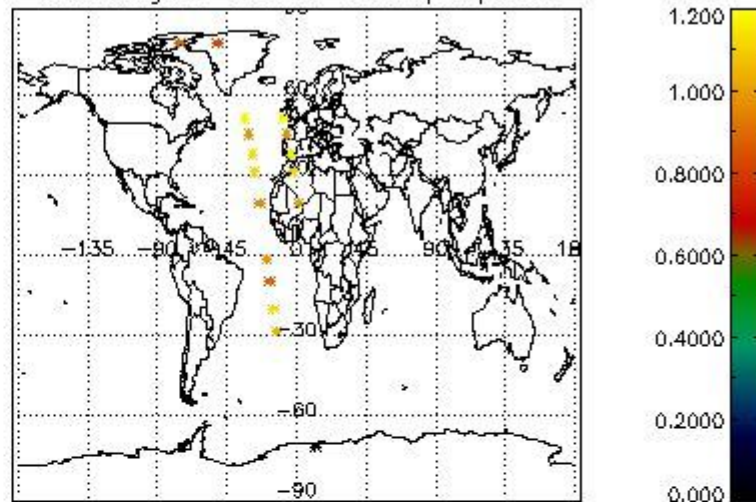
4.2 Plot quality information per product coming from level 1b processing (world map)

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

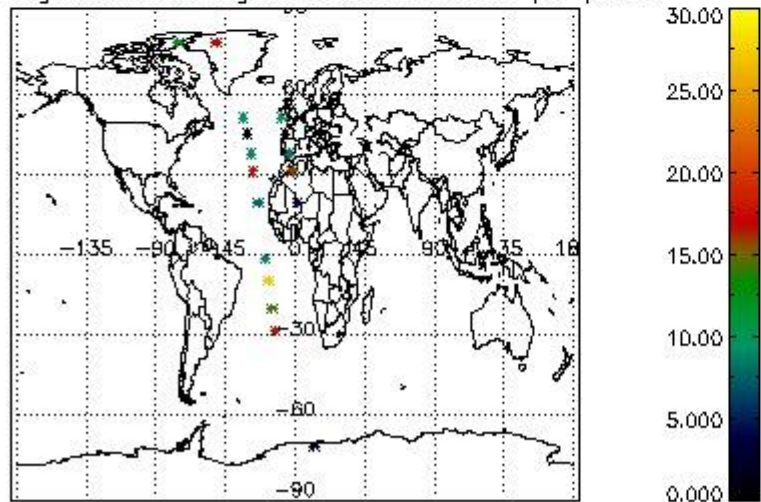
Percentage of cosmic ray hits per profile



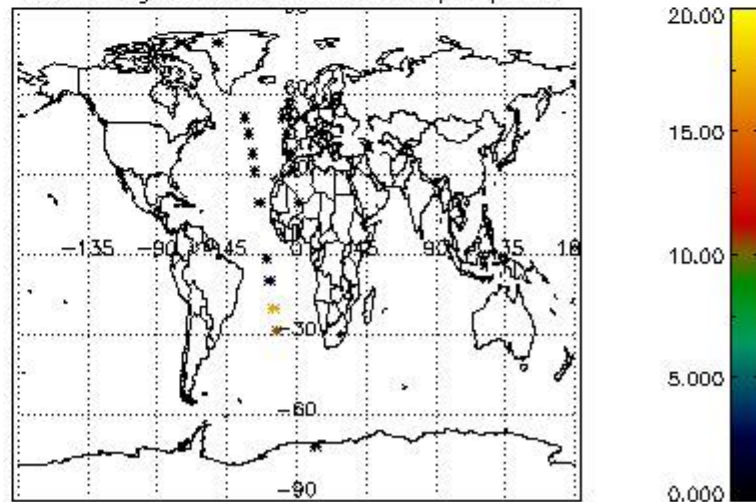
Percentage of datation errors per profile



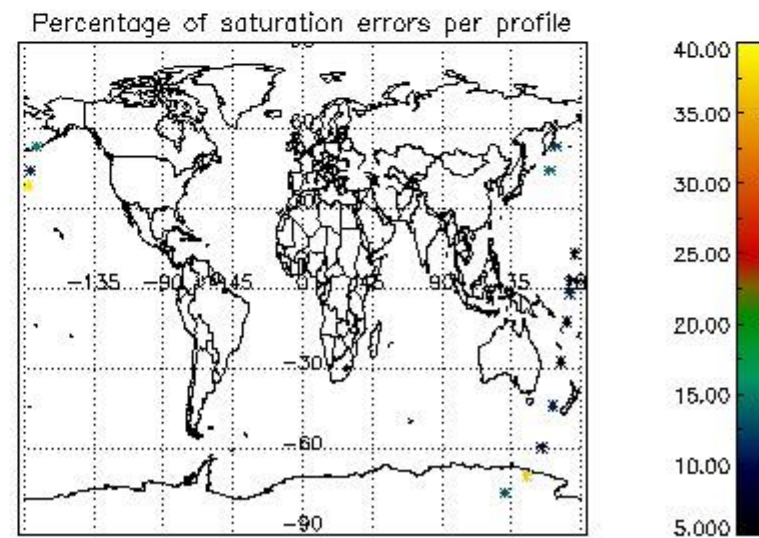
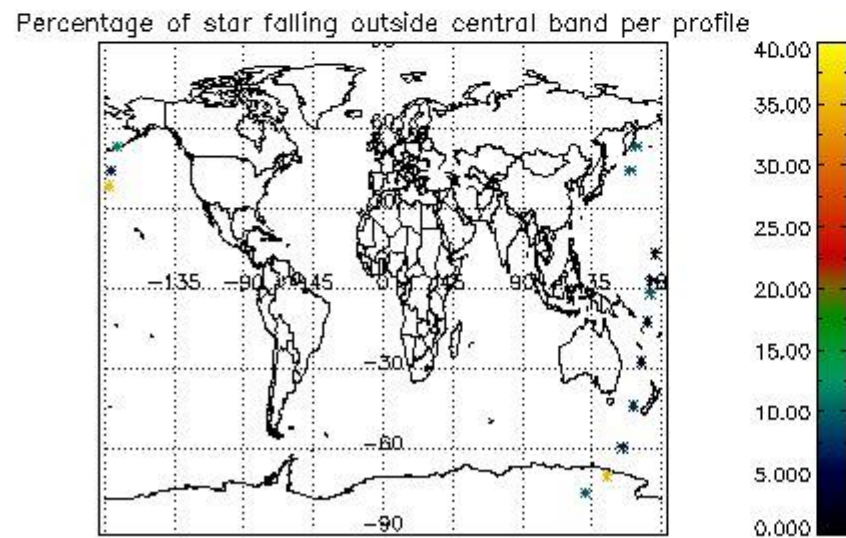
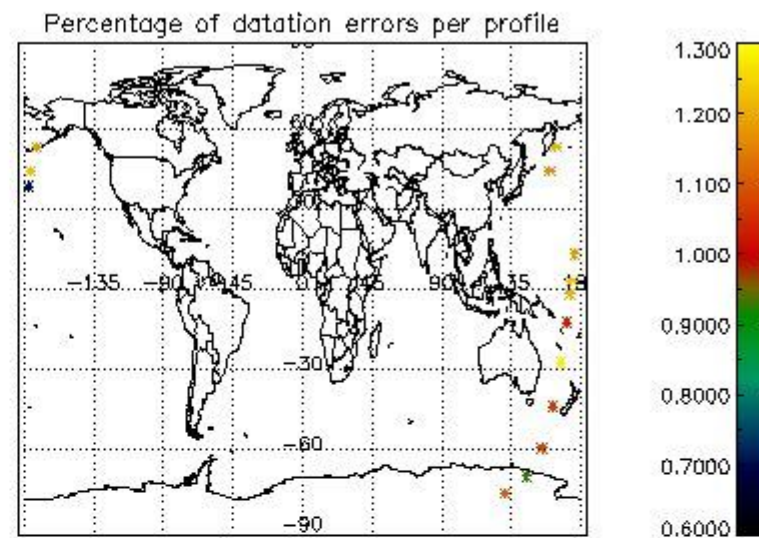
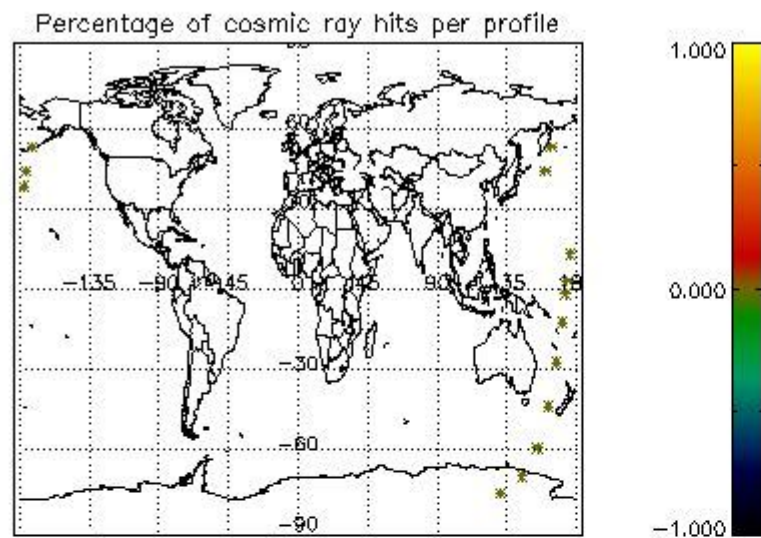
Percentage of star falling outside central band per profile



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

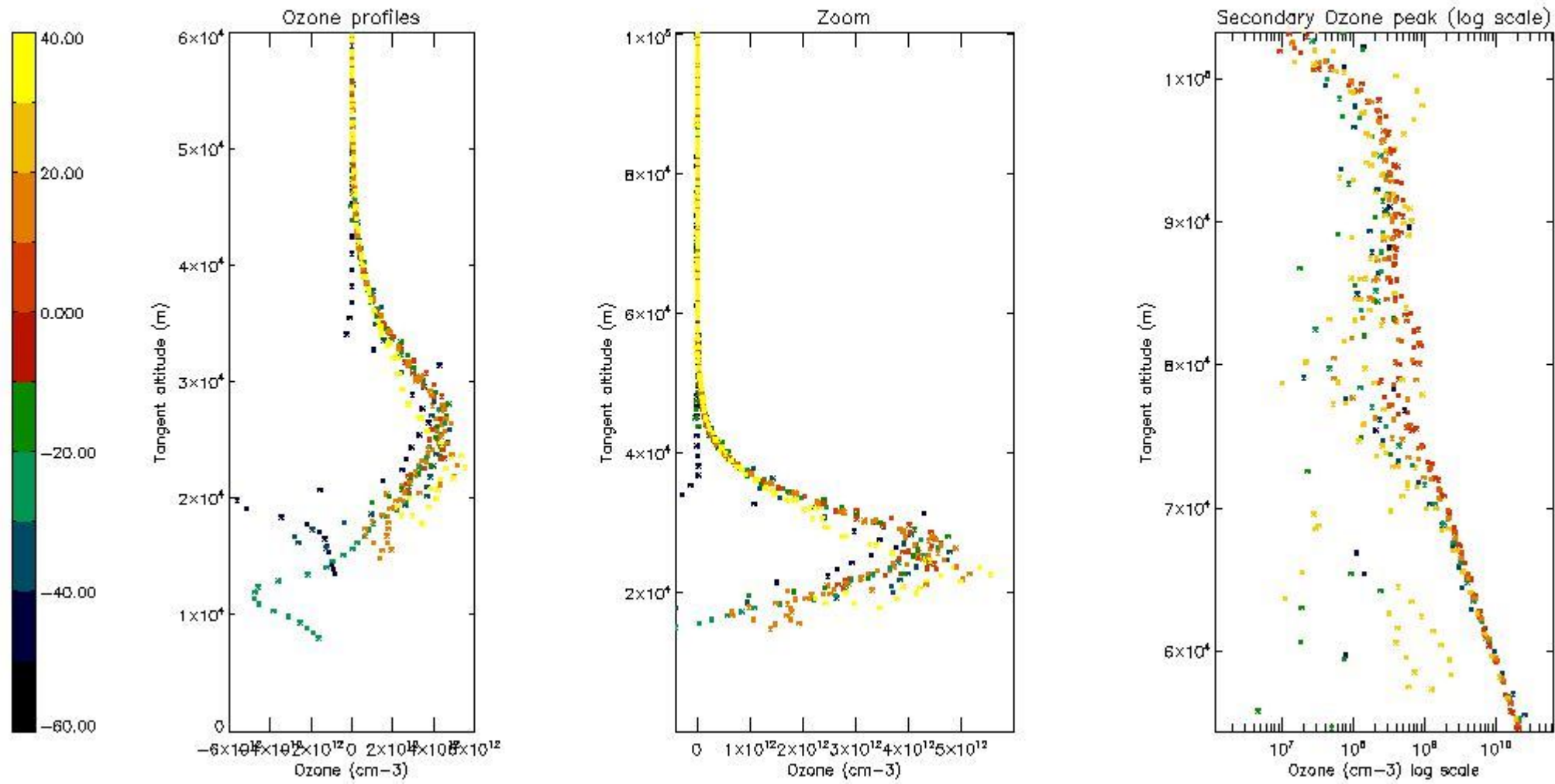
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	46
STD < 20	25

STD < 10	20
STD < 5	14

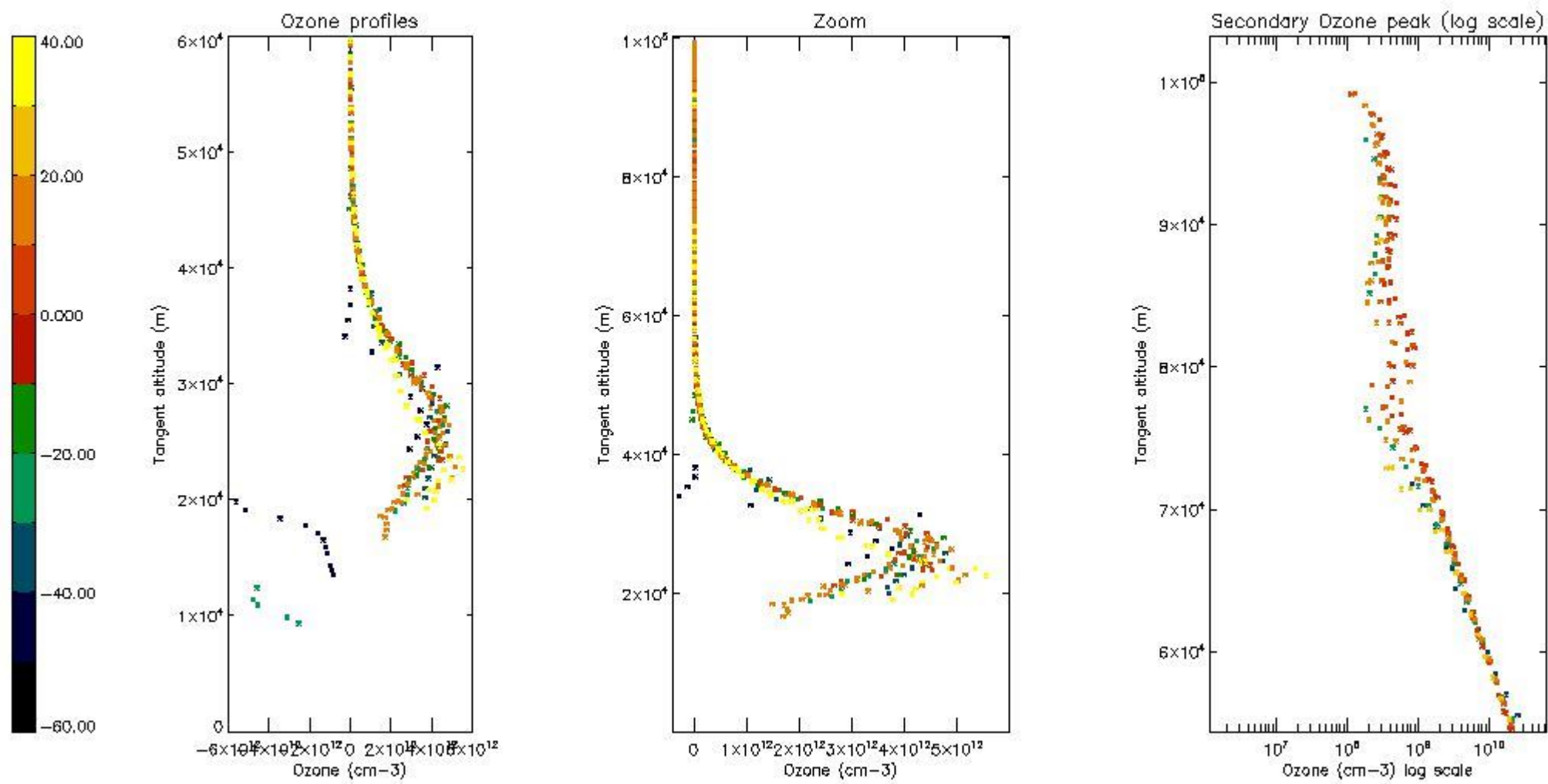
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



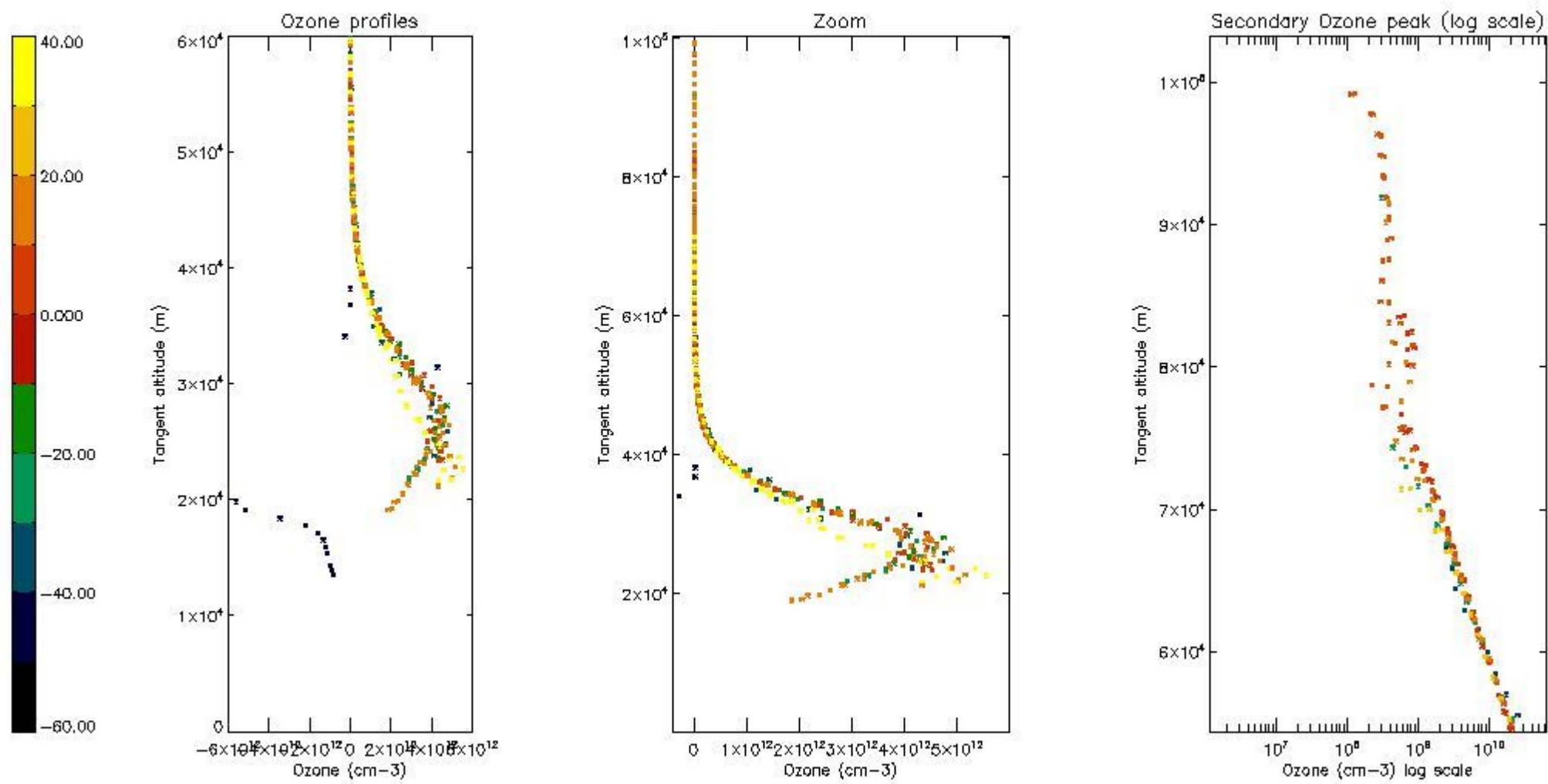
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



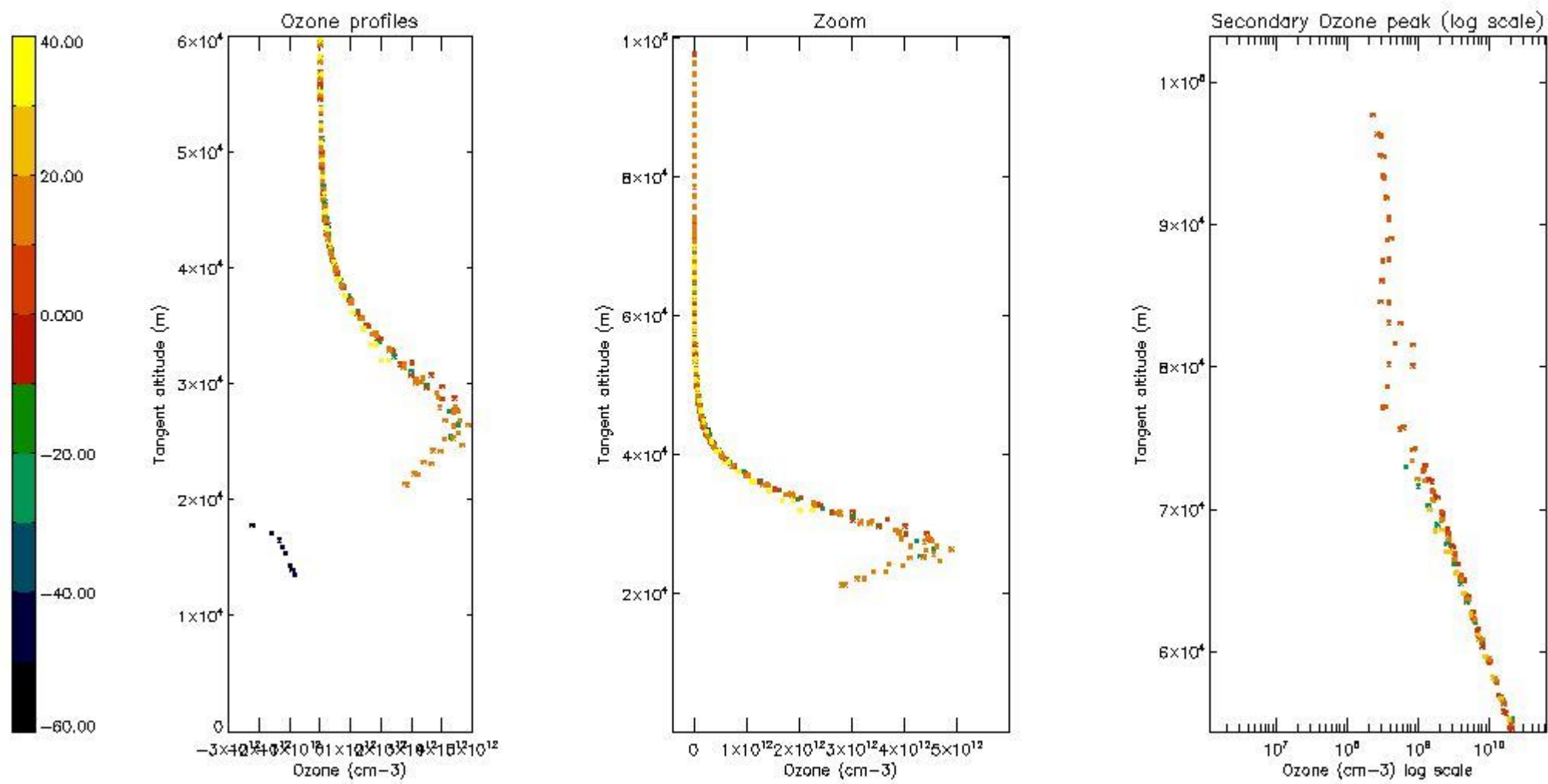
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



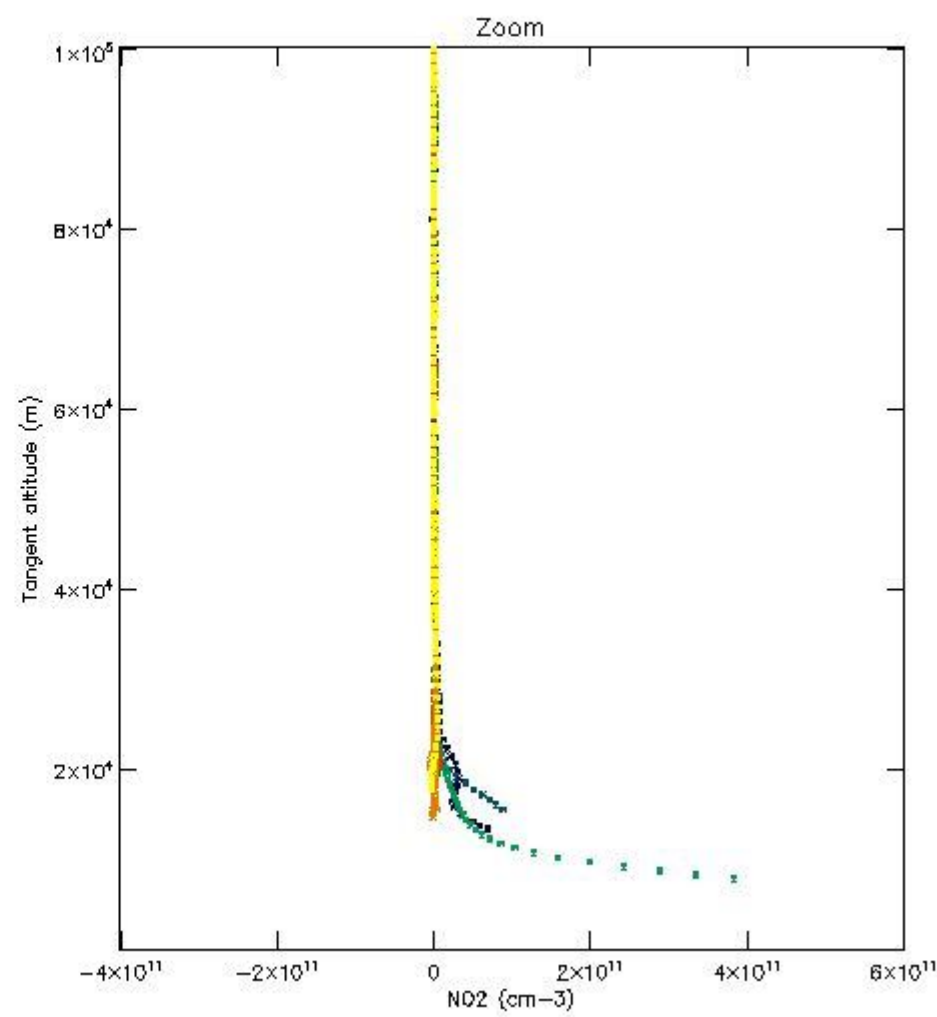
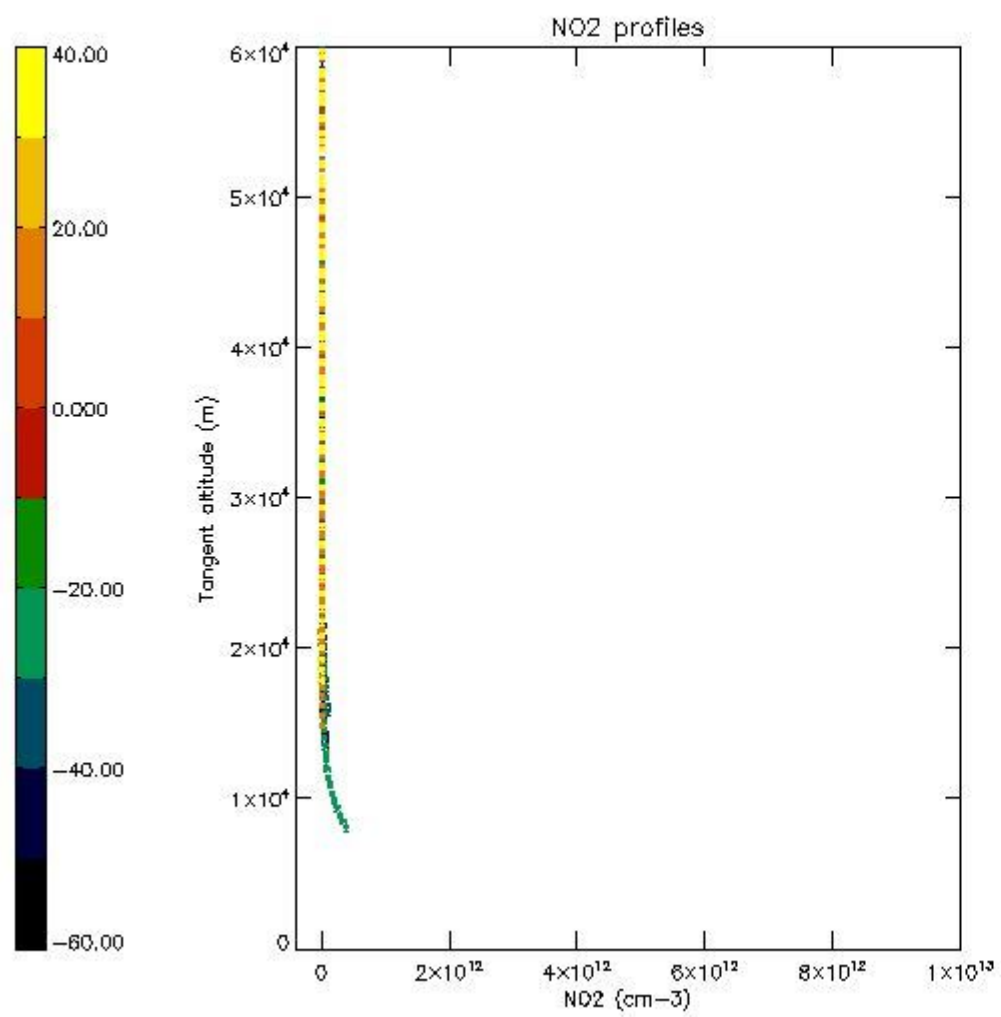
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



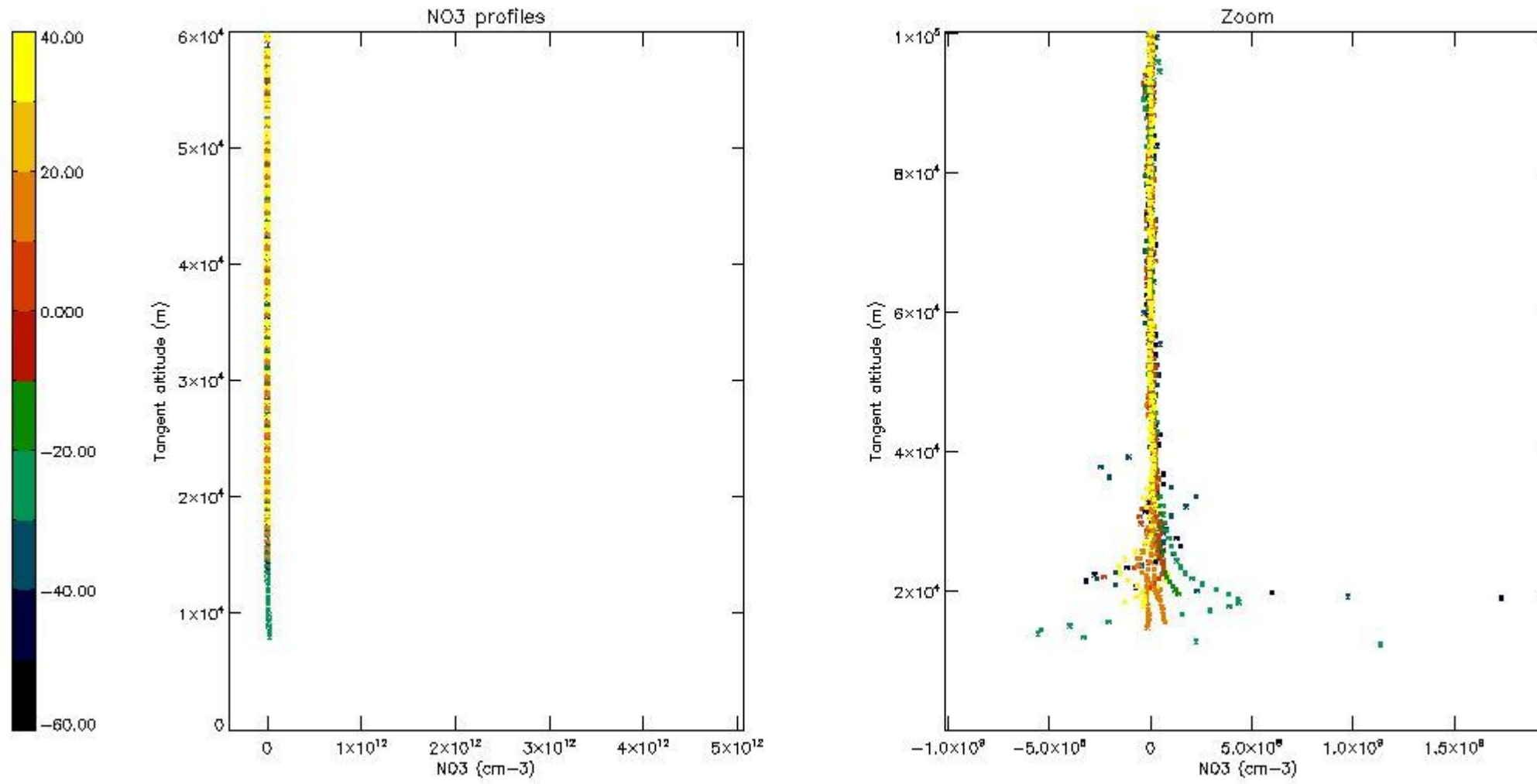
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

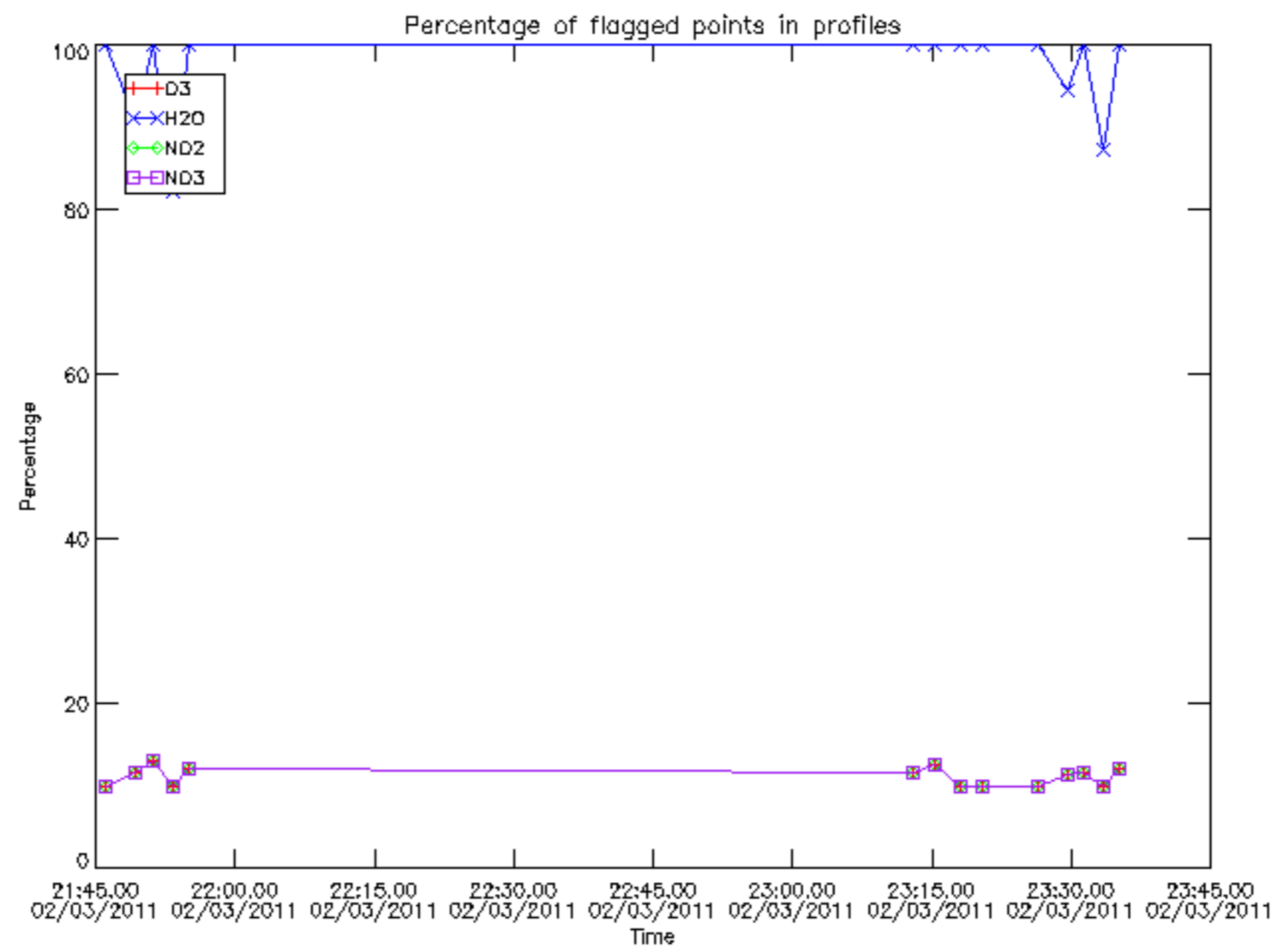
The colorbar represents the latitude.



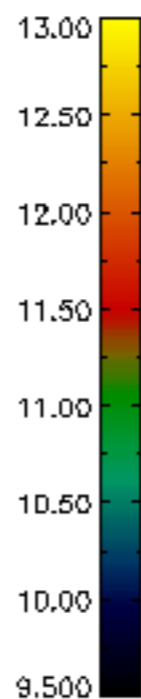
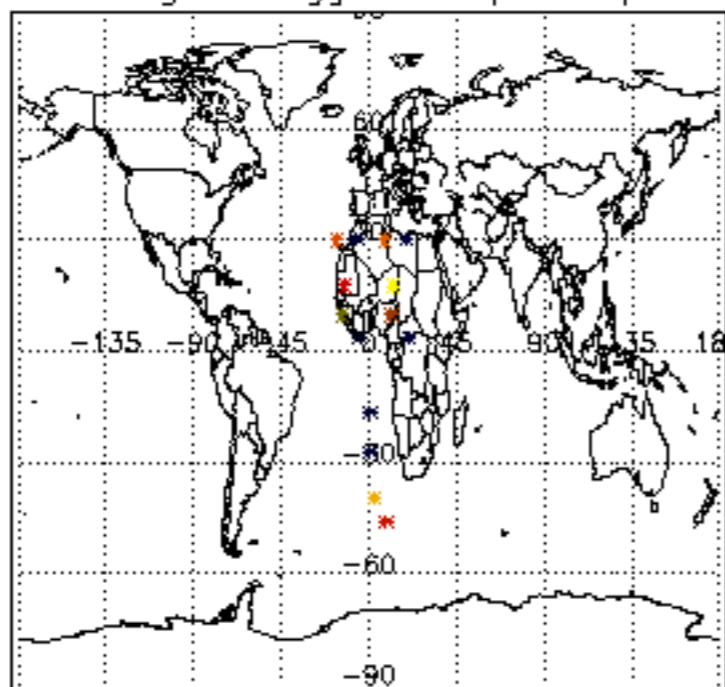
6. Auxiliary Data Files used for the production reported in section 2

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.

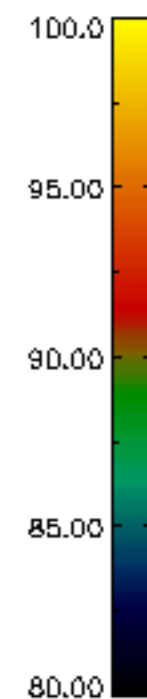
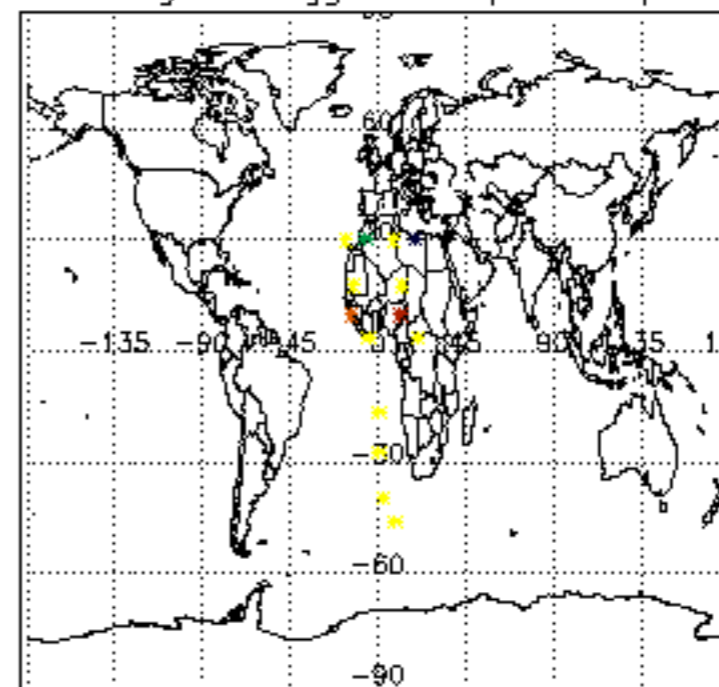
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	02-MAR-2011 21:46:04
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	02-MAR-2011 21:46:04
CROSS_SECTIONS_FILE	GOM_CR2_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	02-MAR-2011 21:46:04



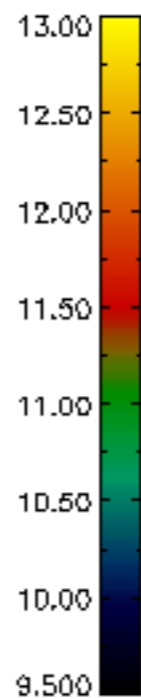
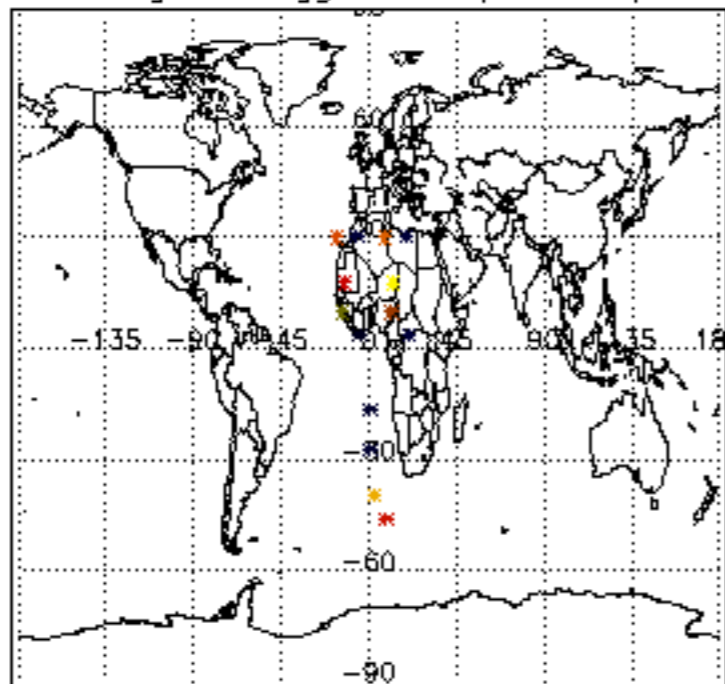
Percentage of flagged data per D3 profile



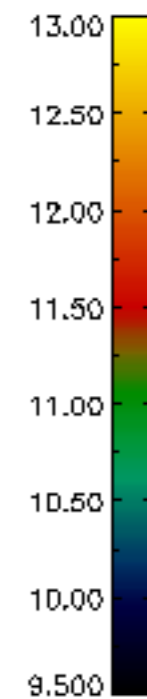
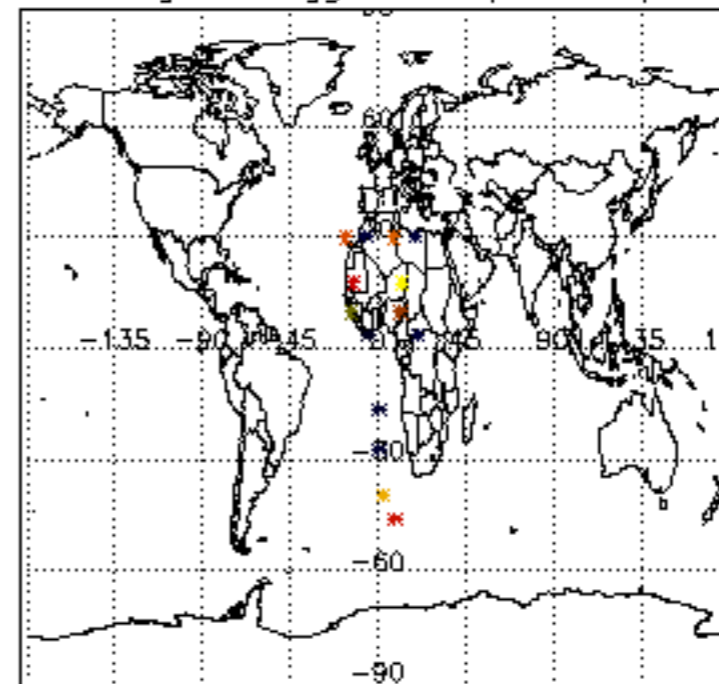
Percentage of flagged data per H2O profile

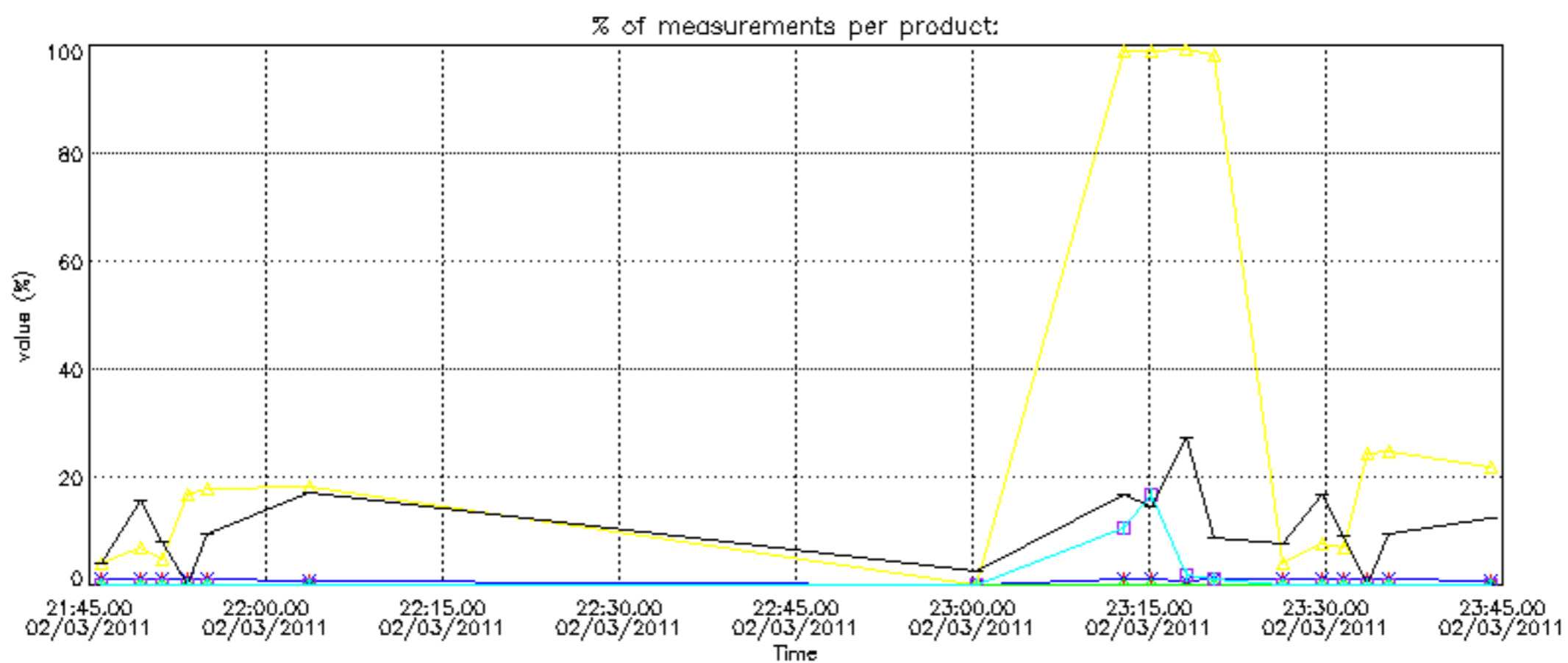


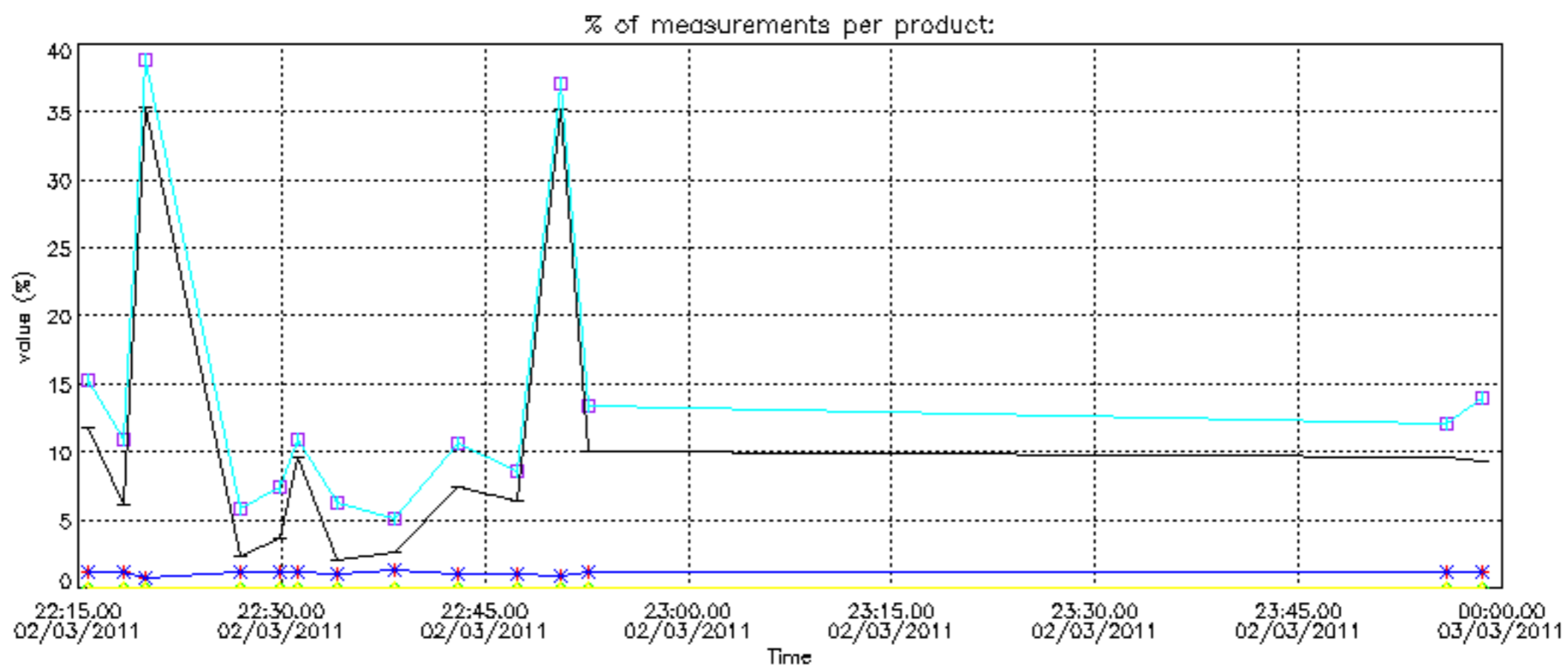
Percentage of flagged data per NO2 profile



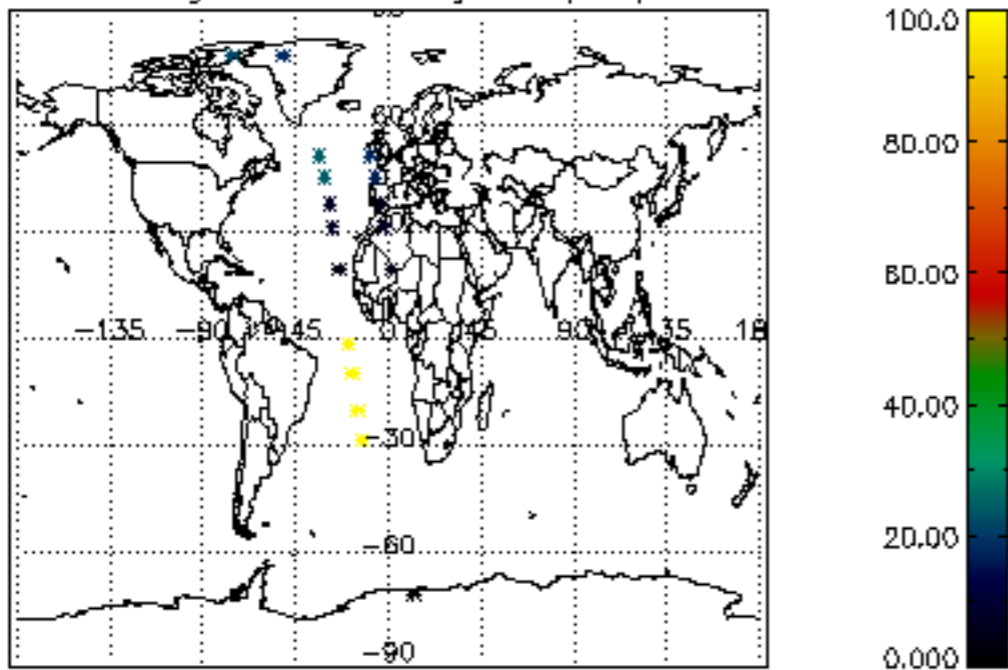
Percentage of flagged data per NO3 profile



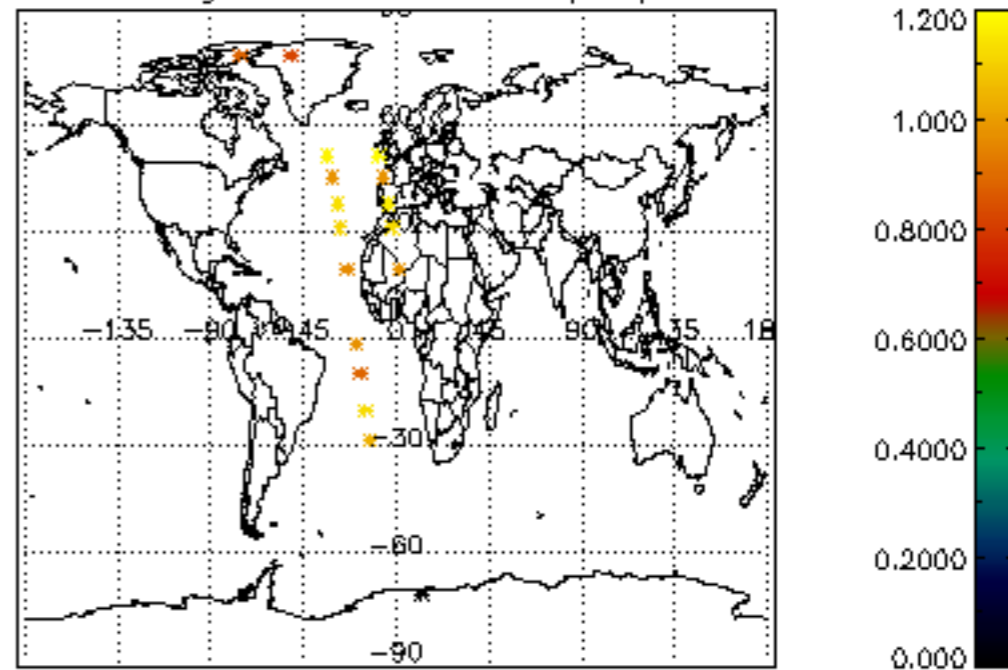




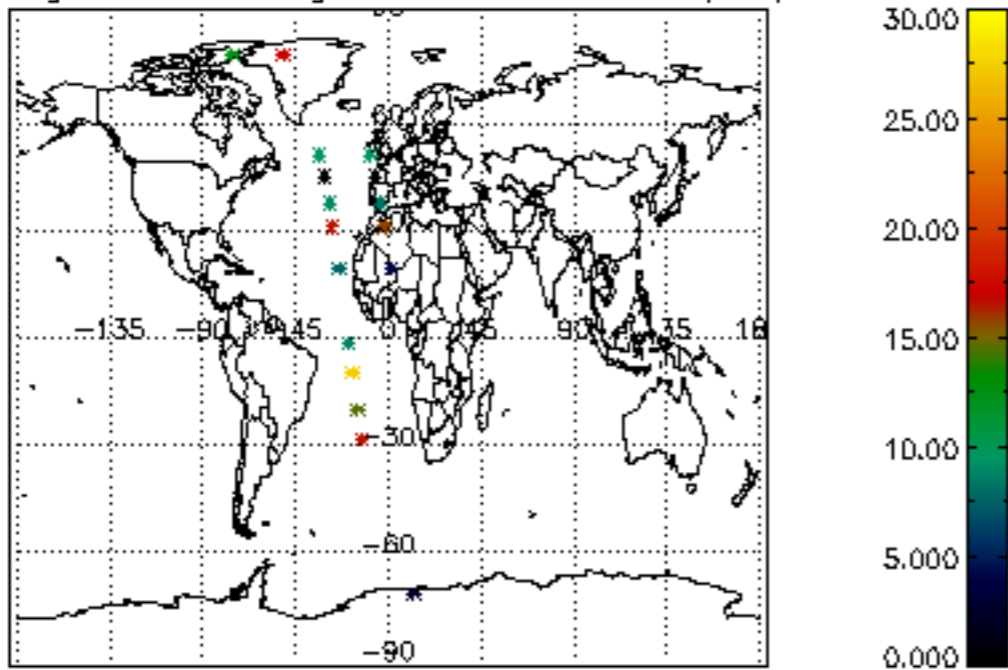
Percentage of cosmic ray hits per profile



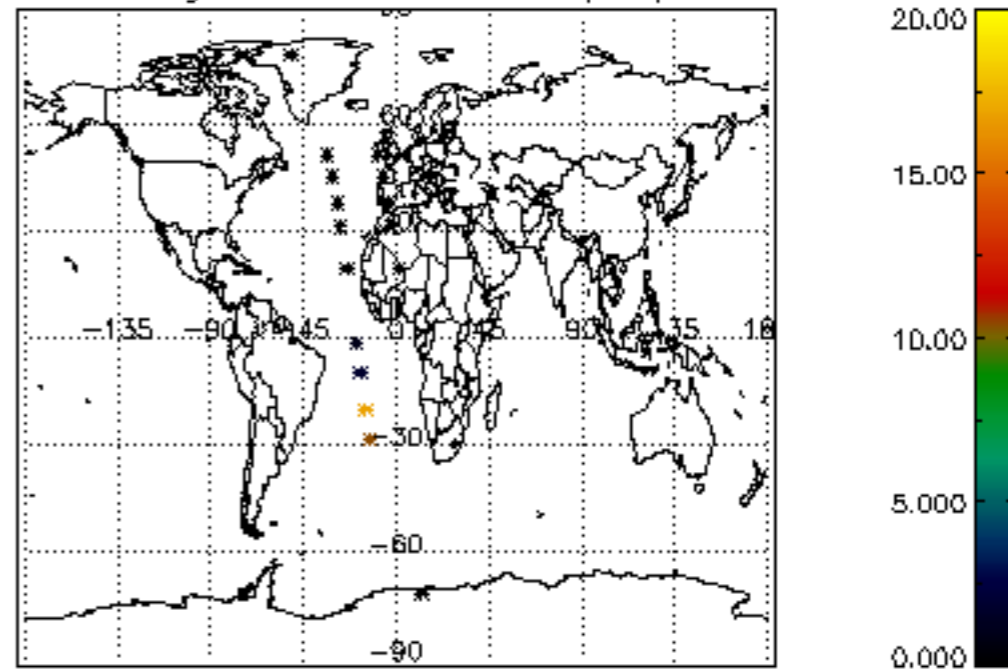
Percentage of datation errors per profile



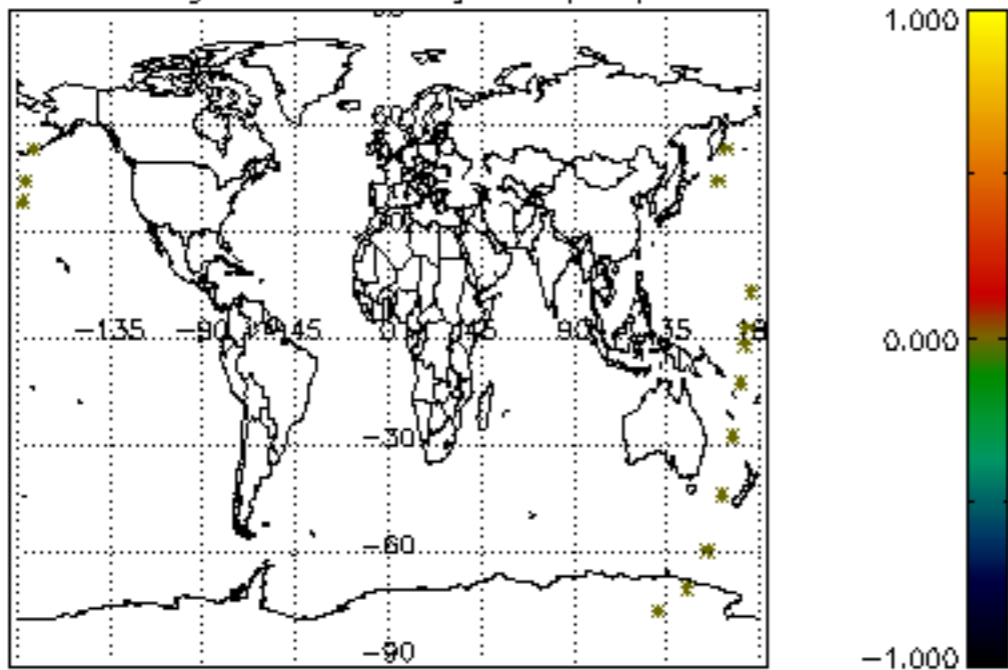
Percentage of star falling outside central band per profile



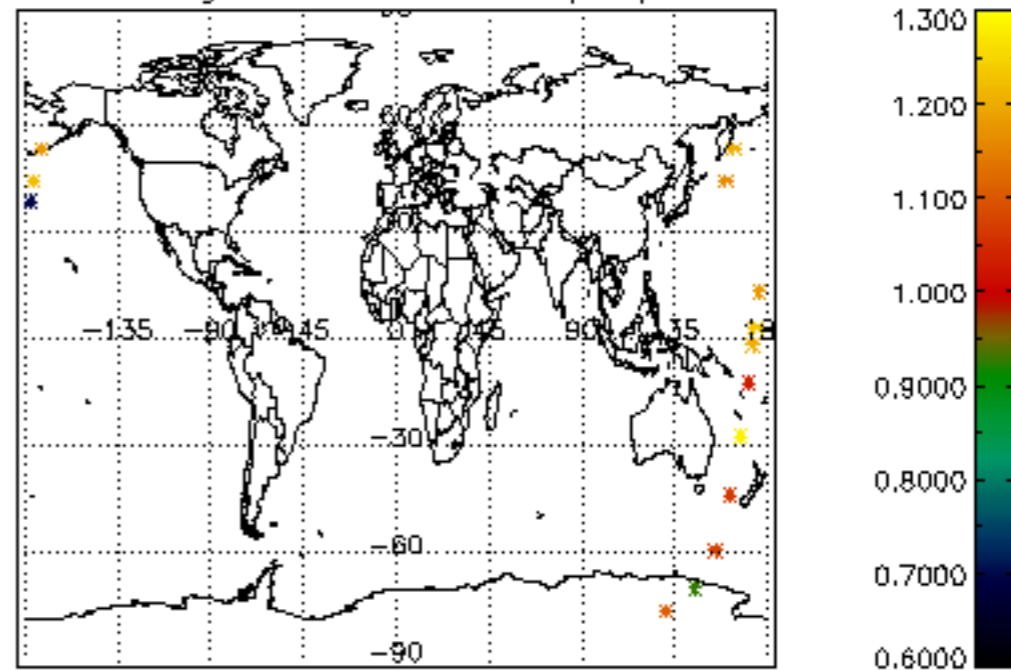
Percentage of saturation errors per profile



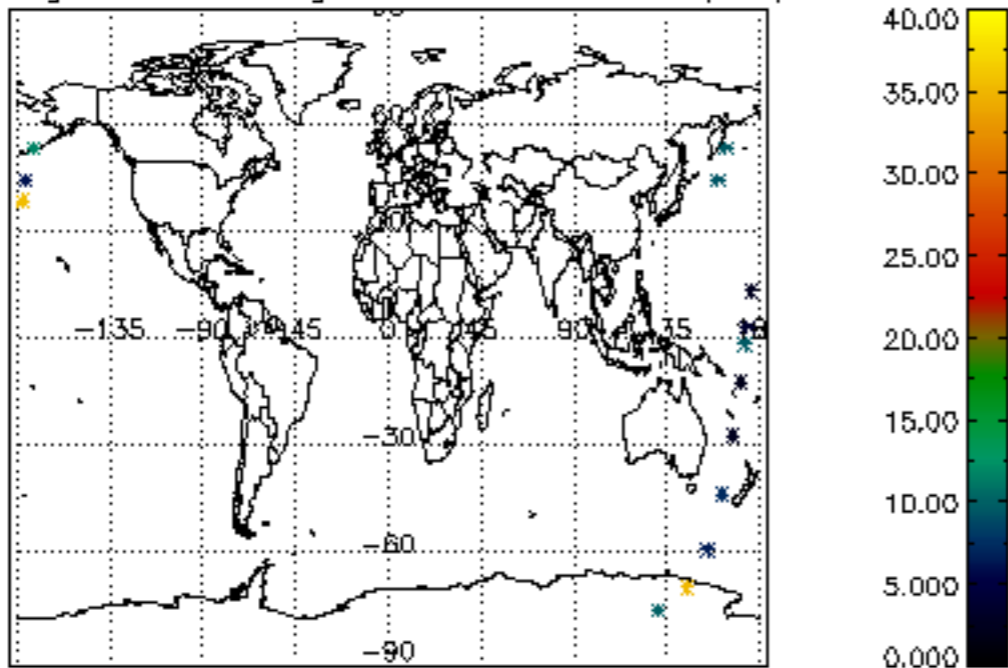
Percentage of cosmic ray hits per profile



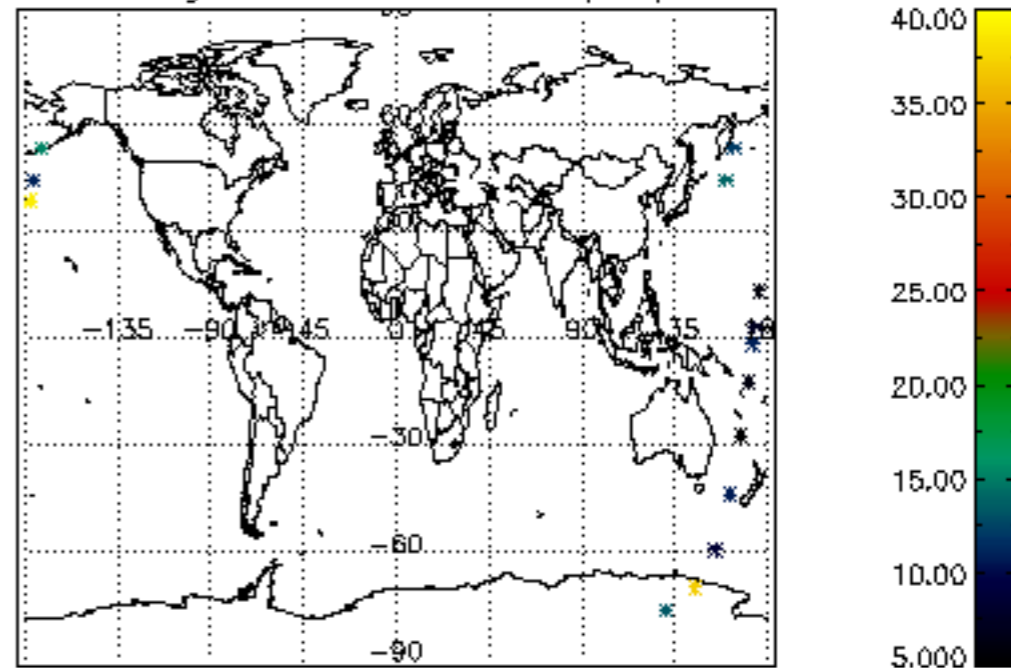
Percentage of datation errors per profile

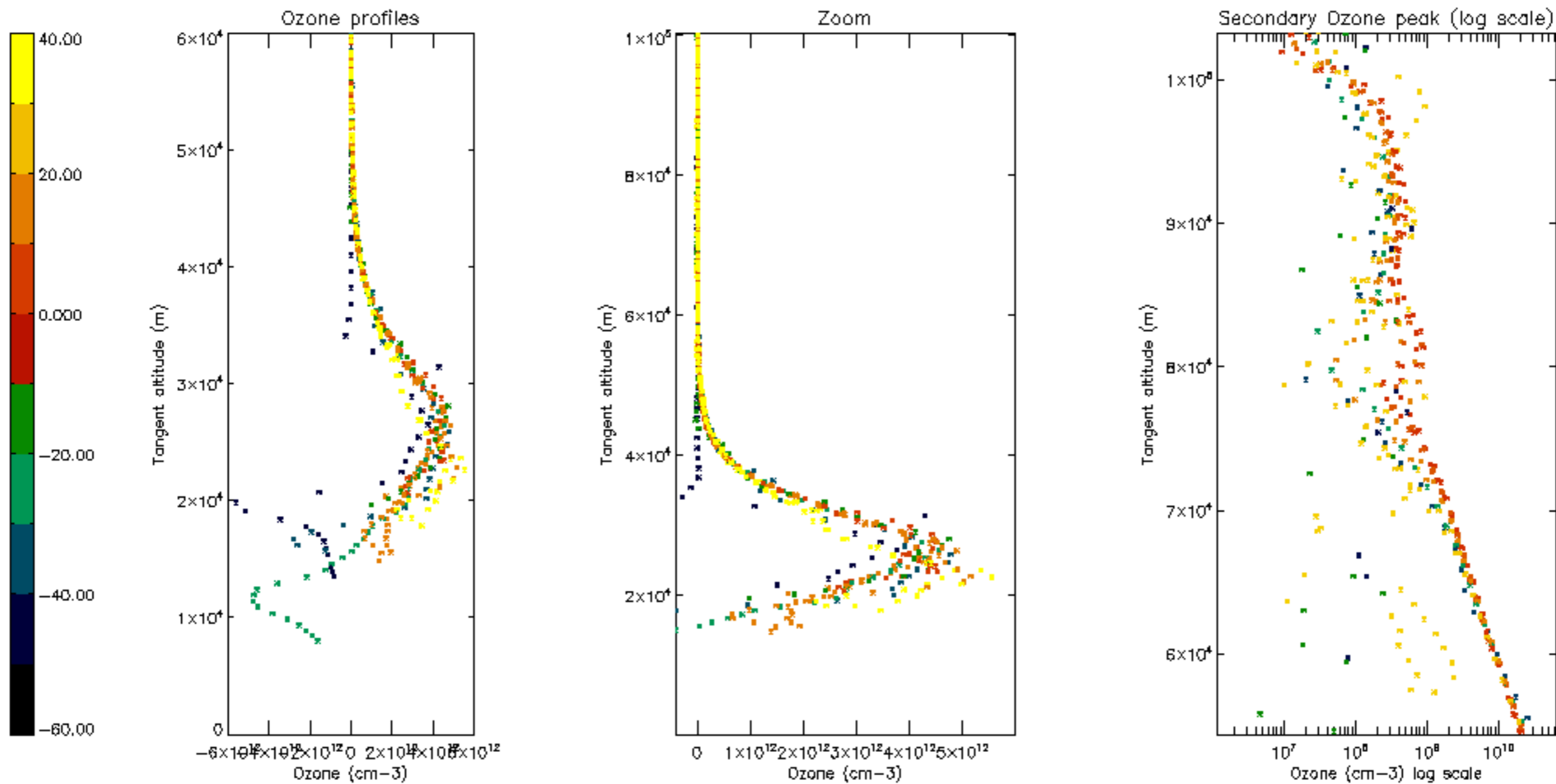


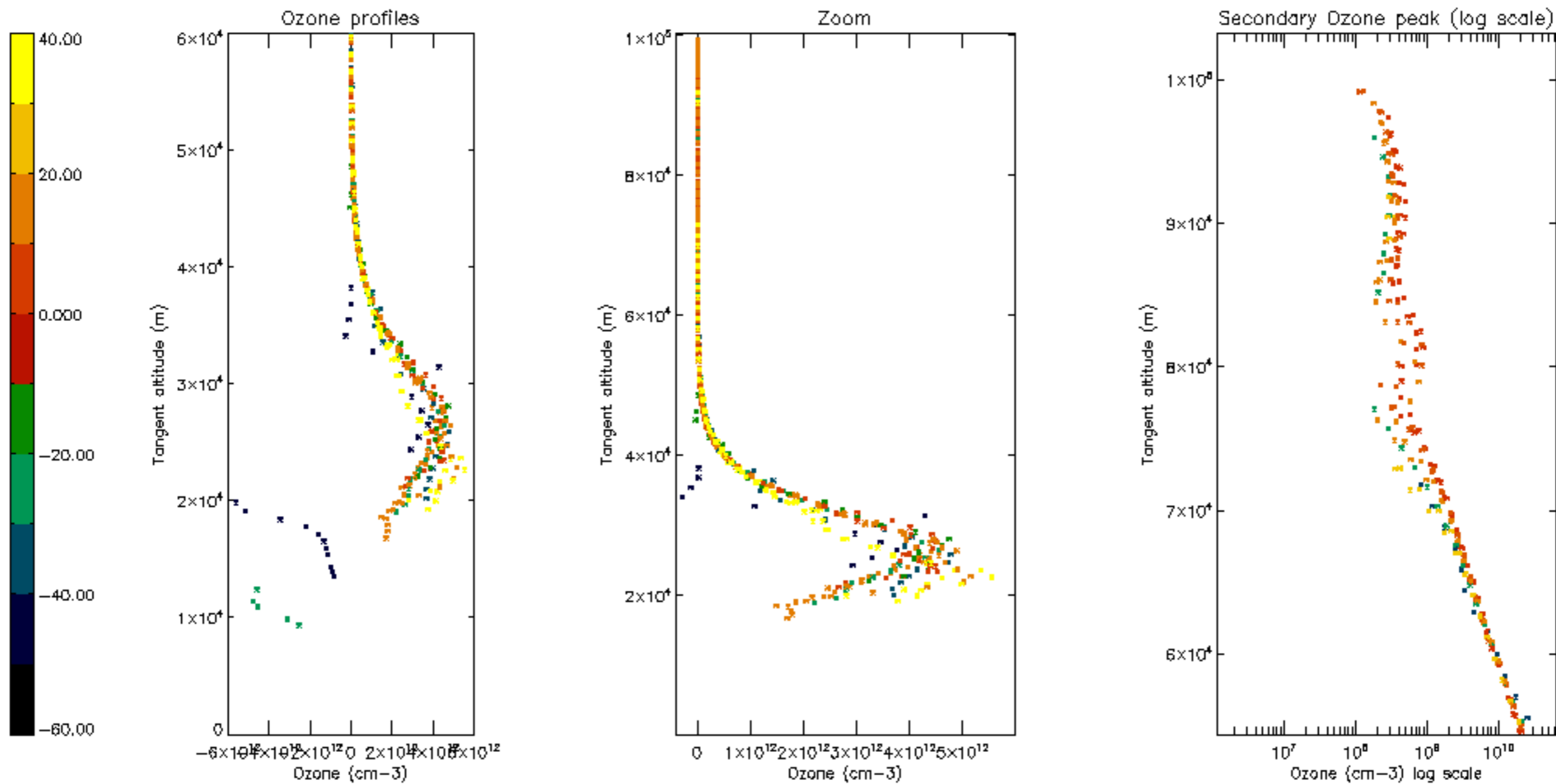
Percentage of star falling outside central band per profile

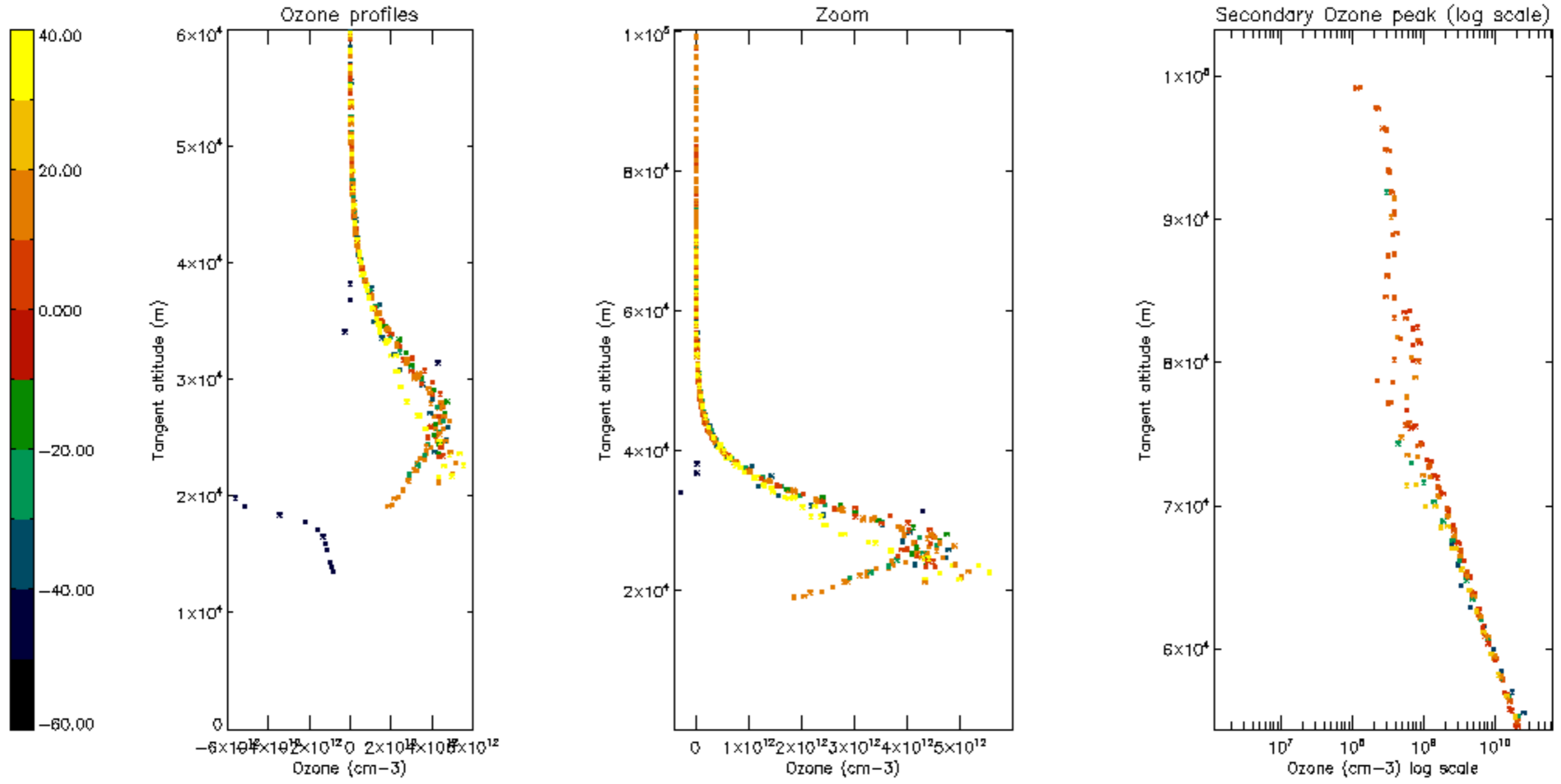


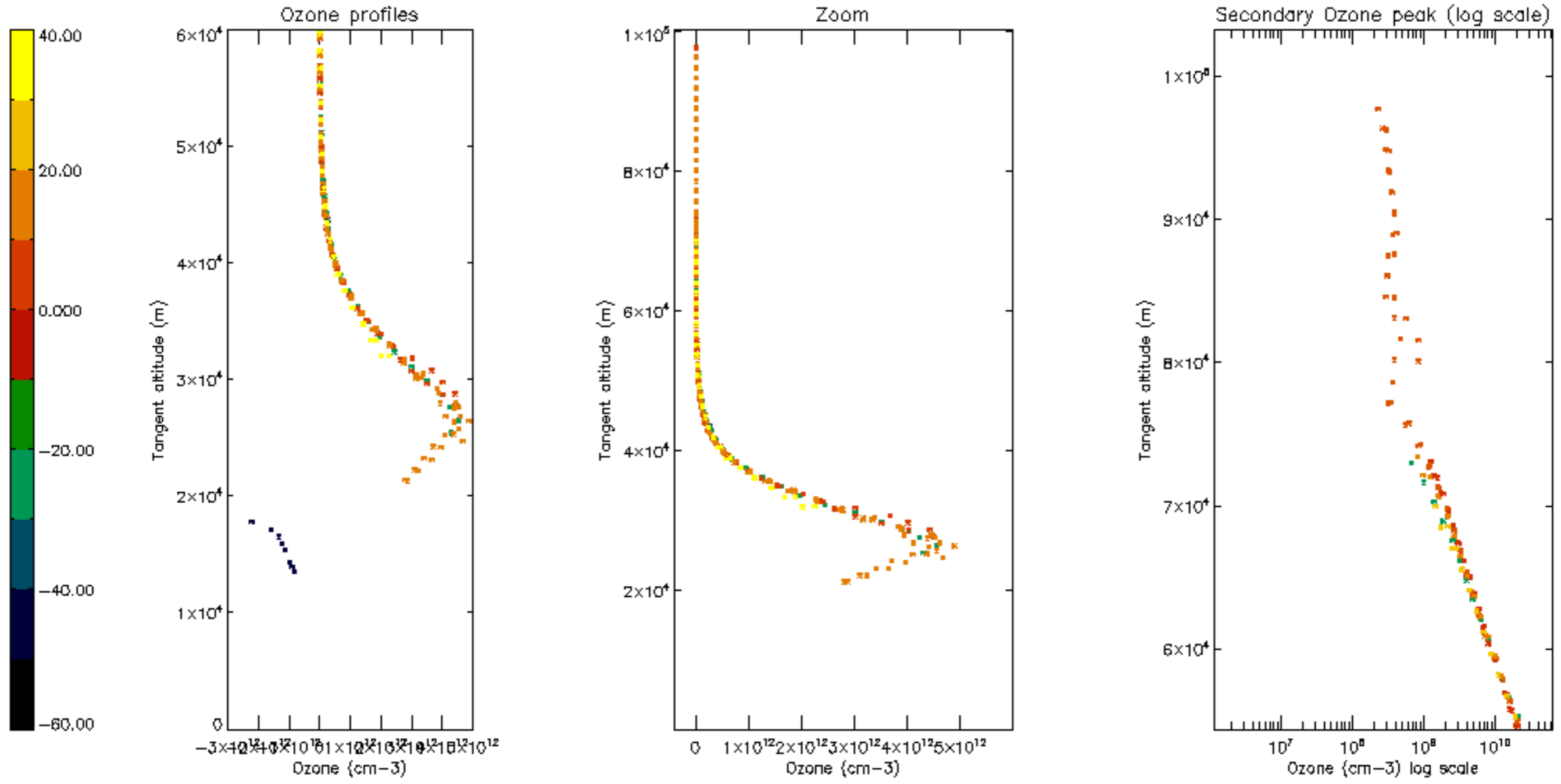
Percentage of saturation errors per profile

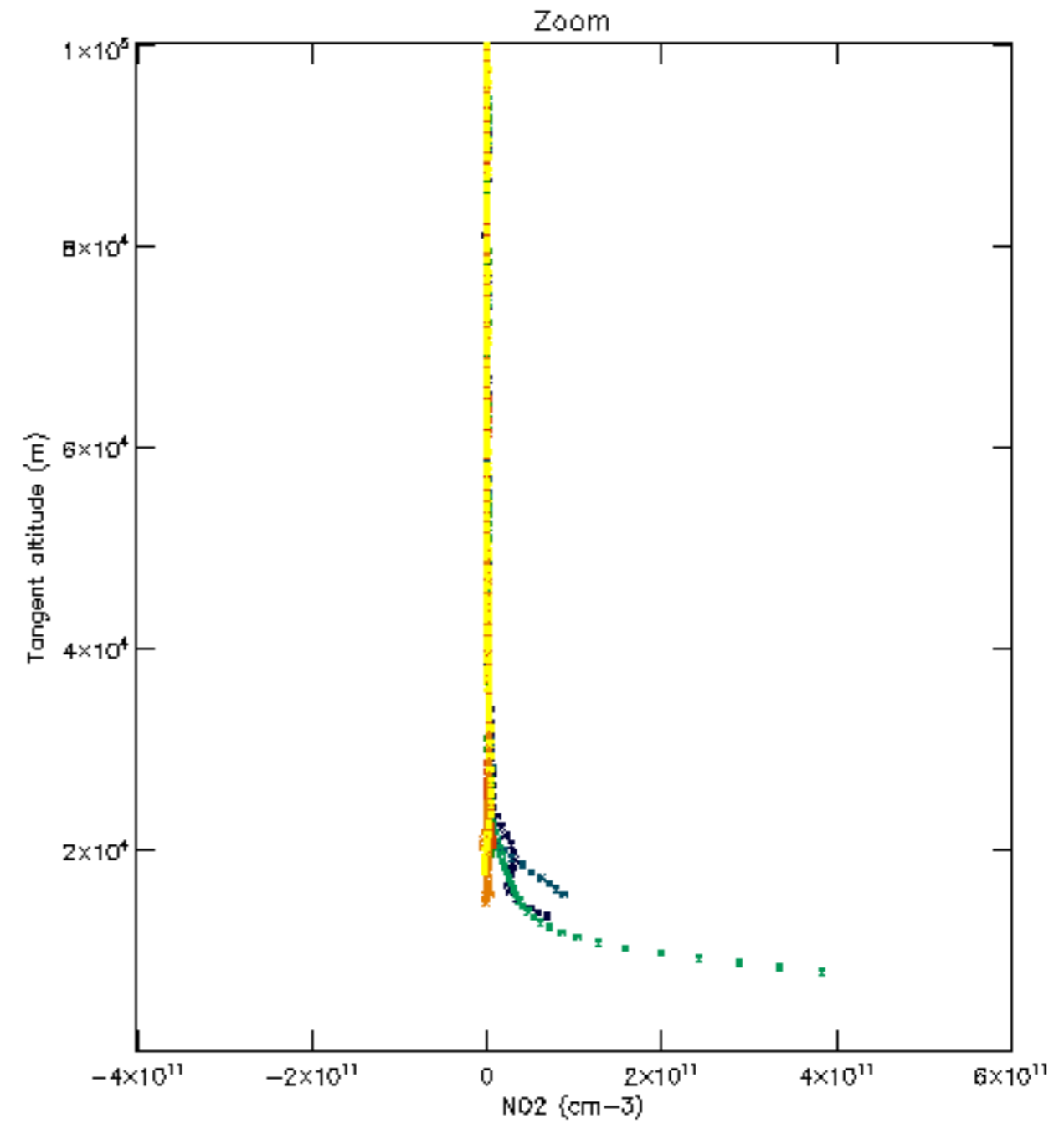
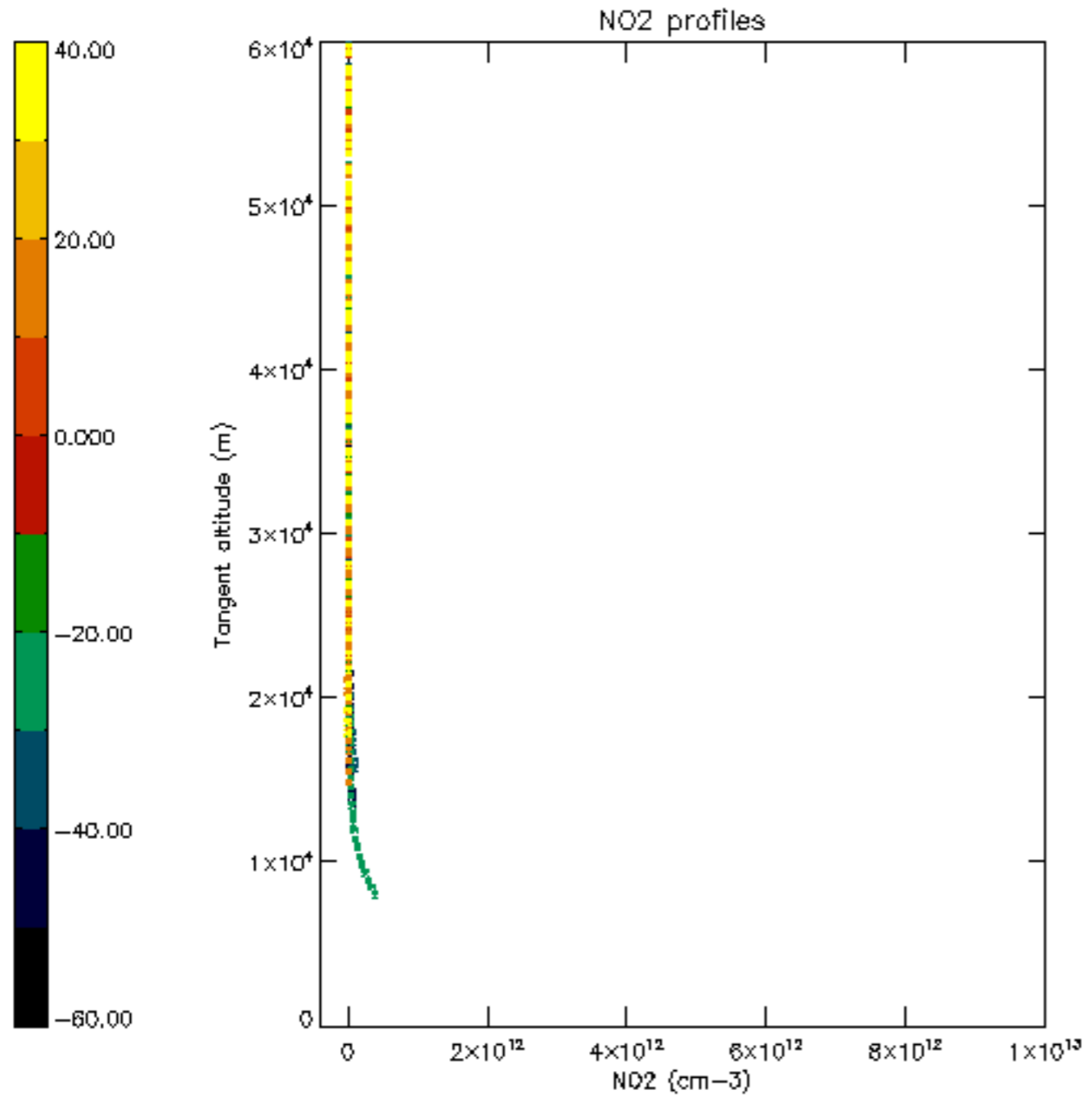


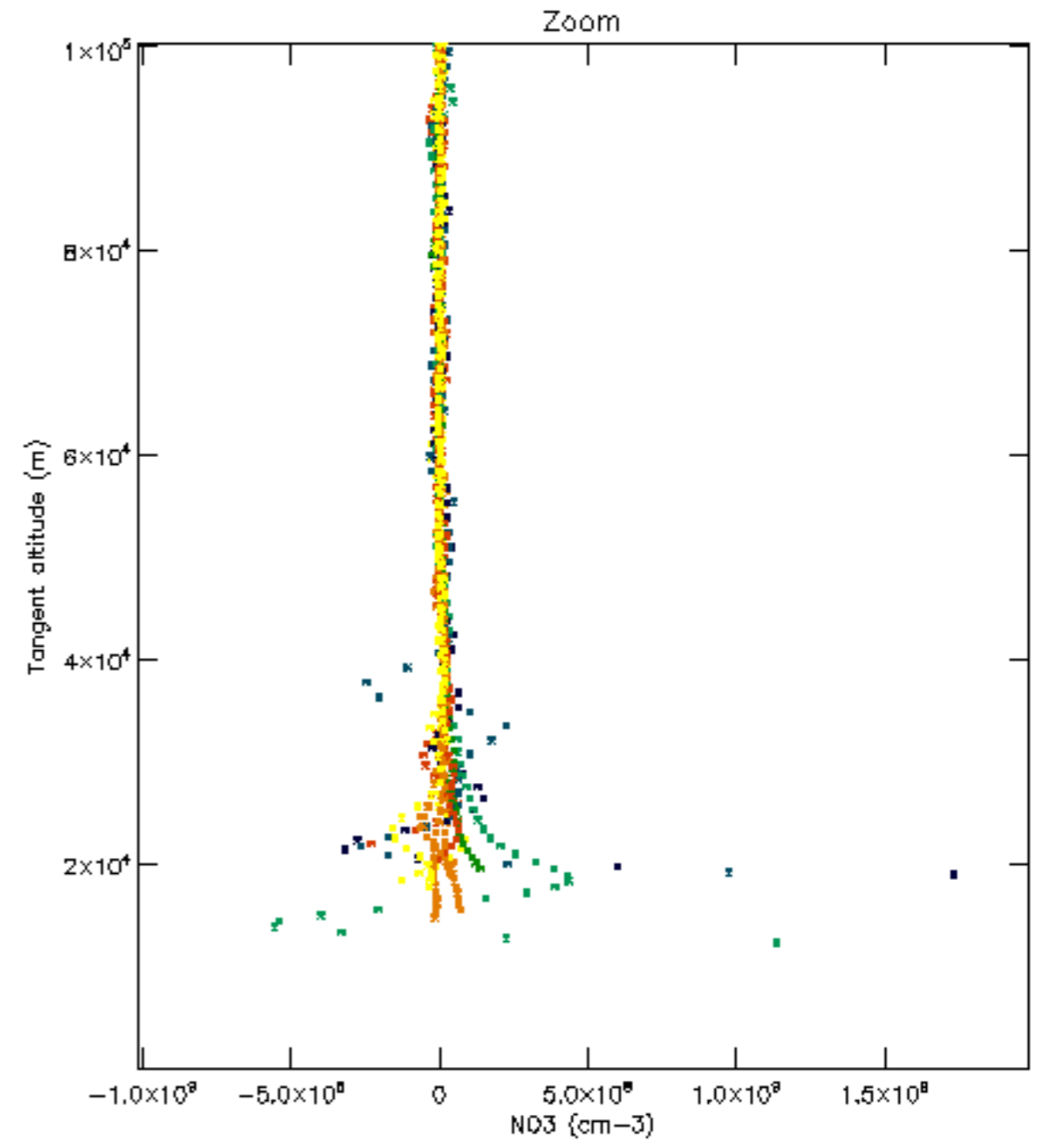
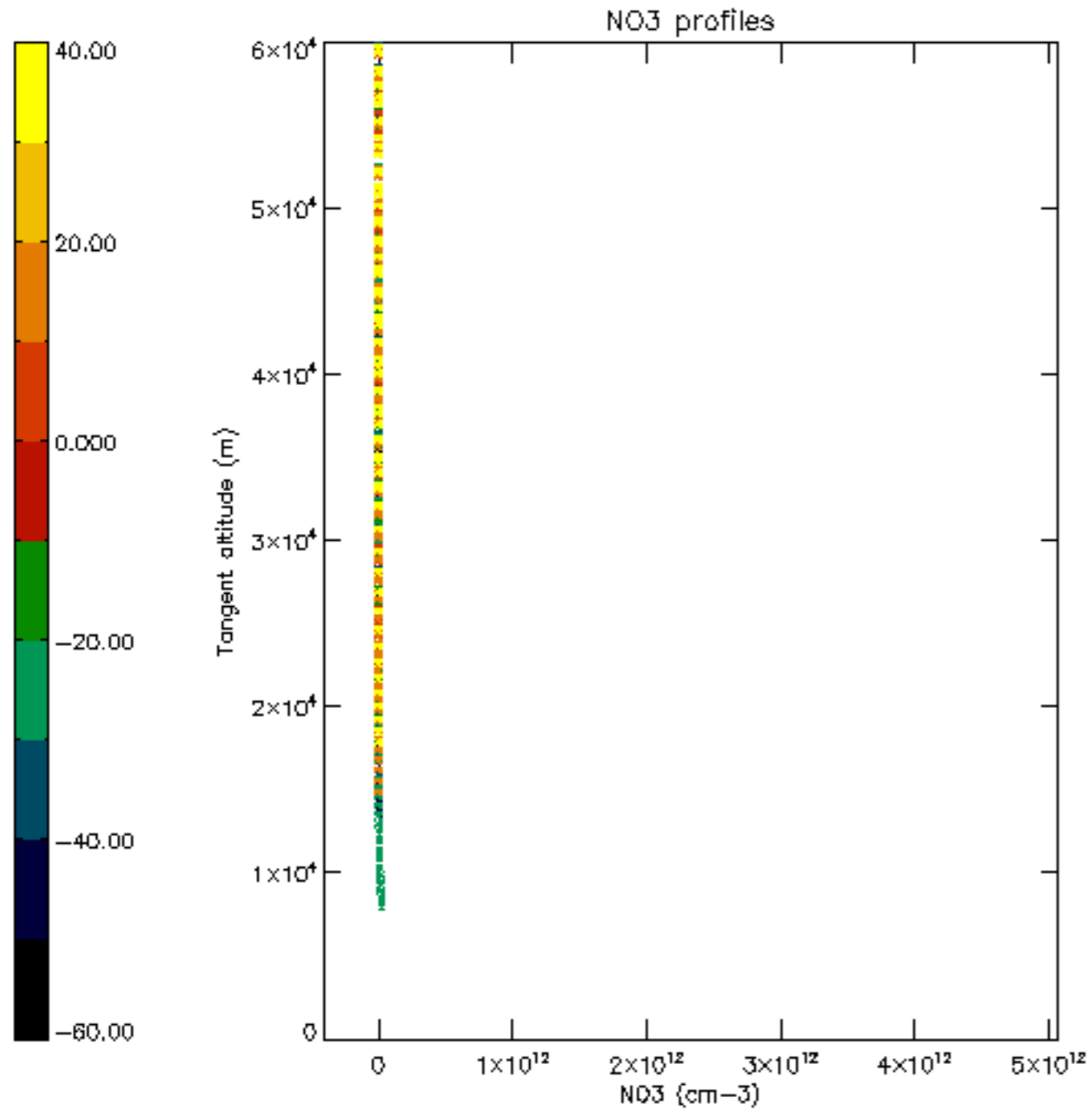


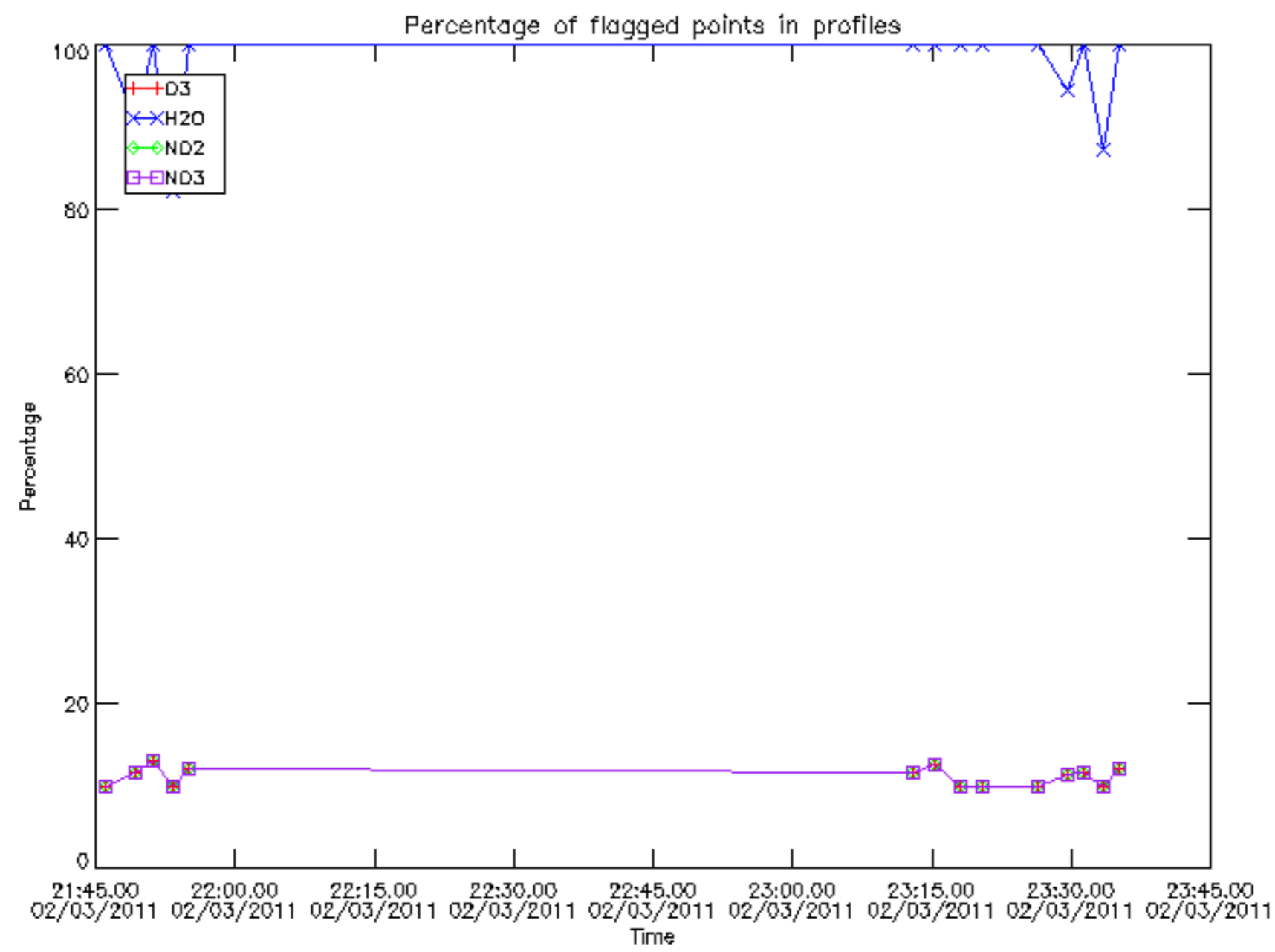




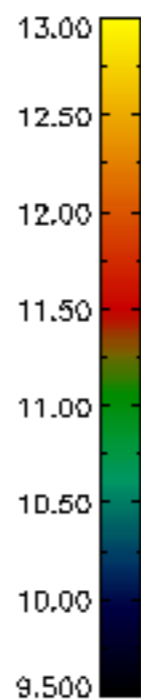
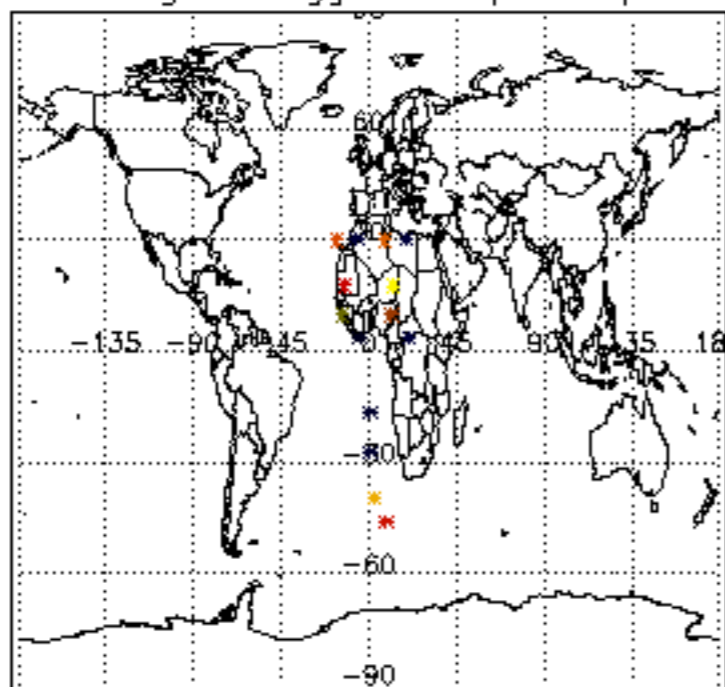




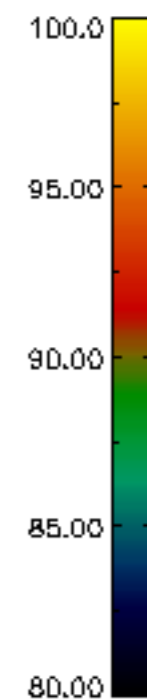
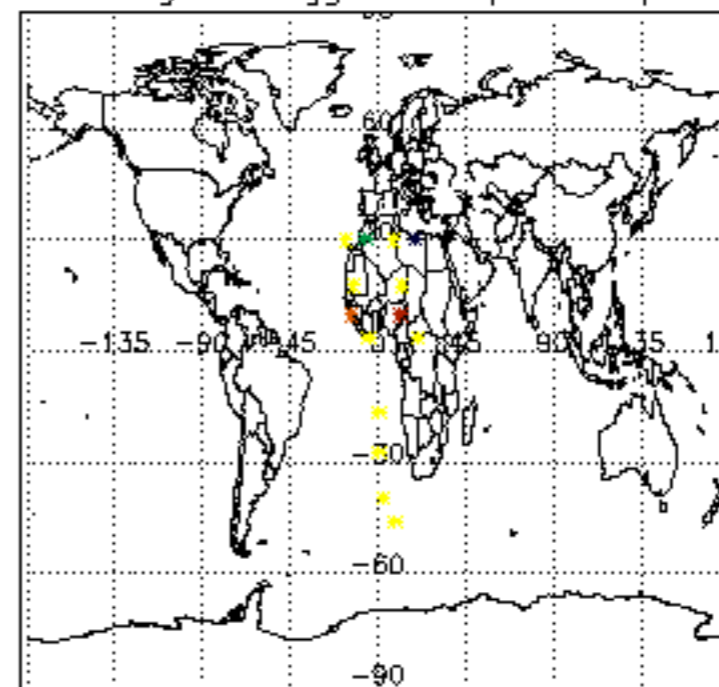




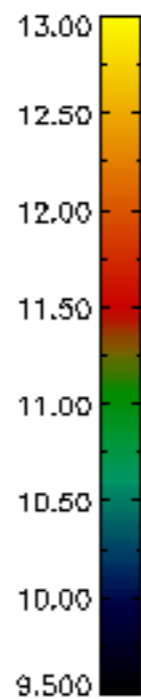
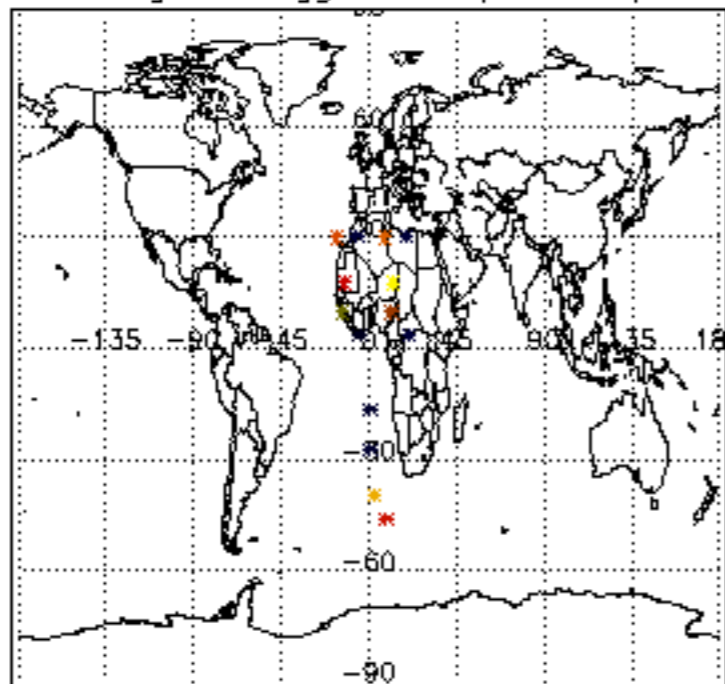
Percentage of flagged data per D3 profile



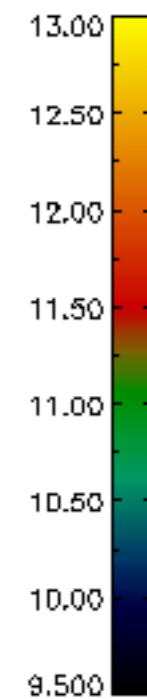
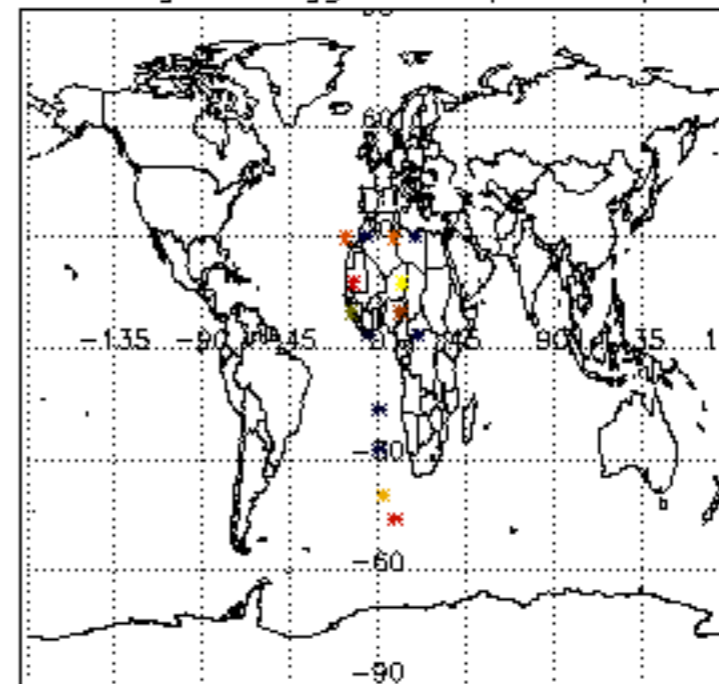
Percentage of flagged data per H2O profile

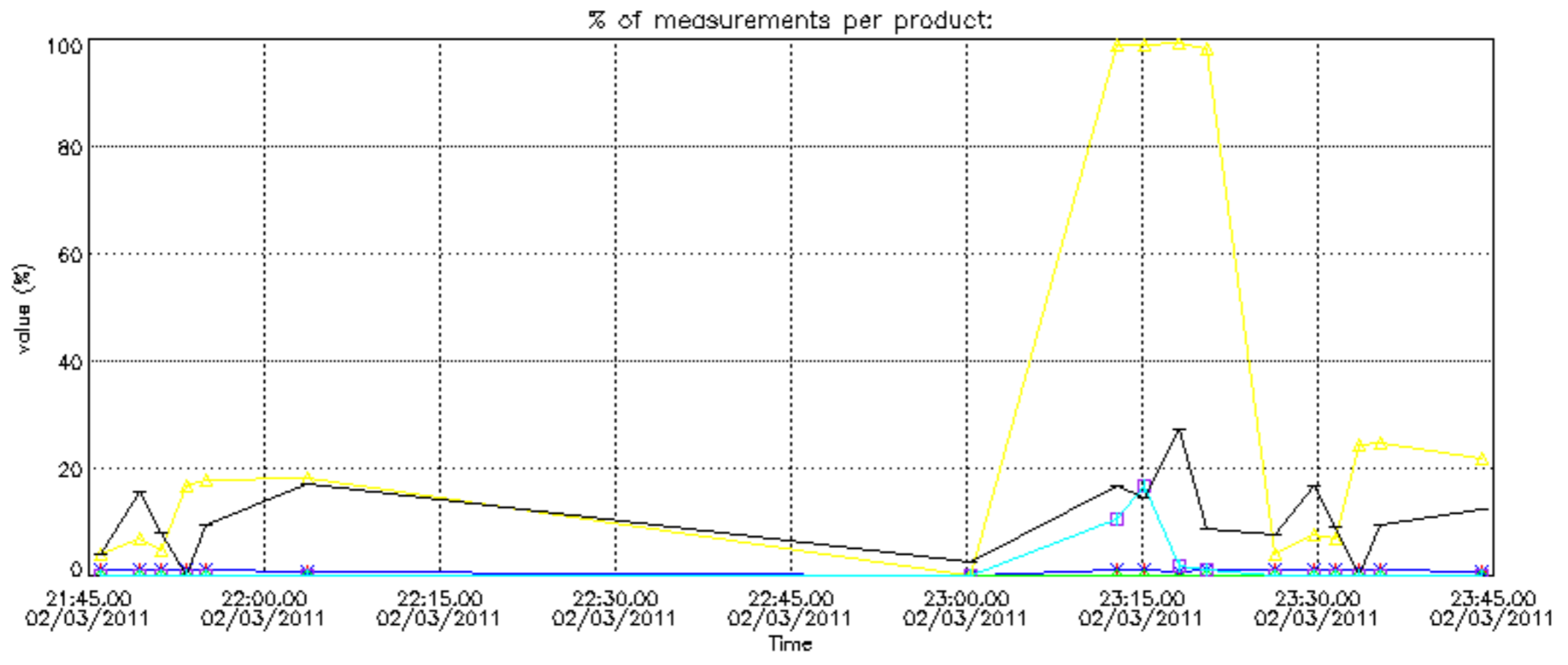


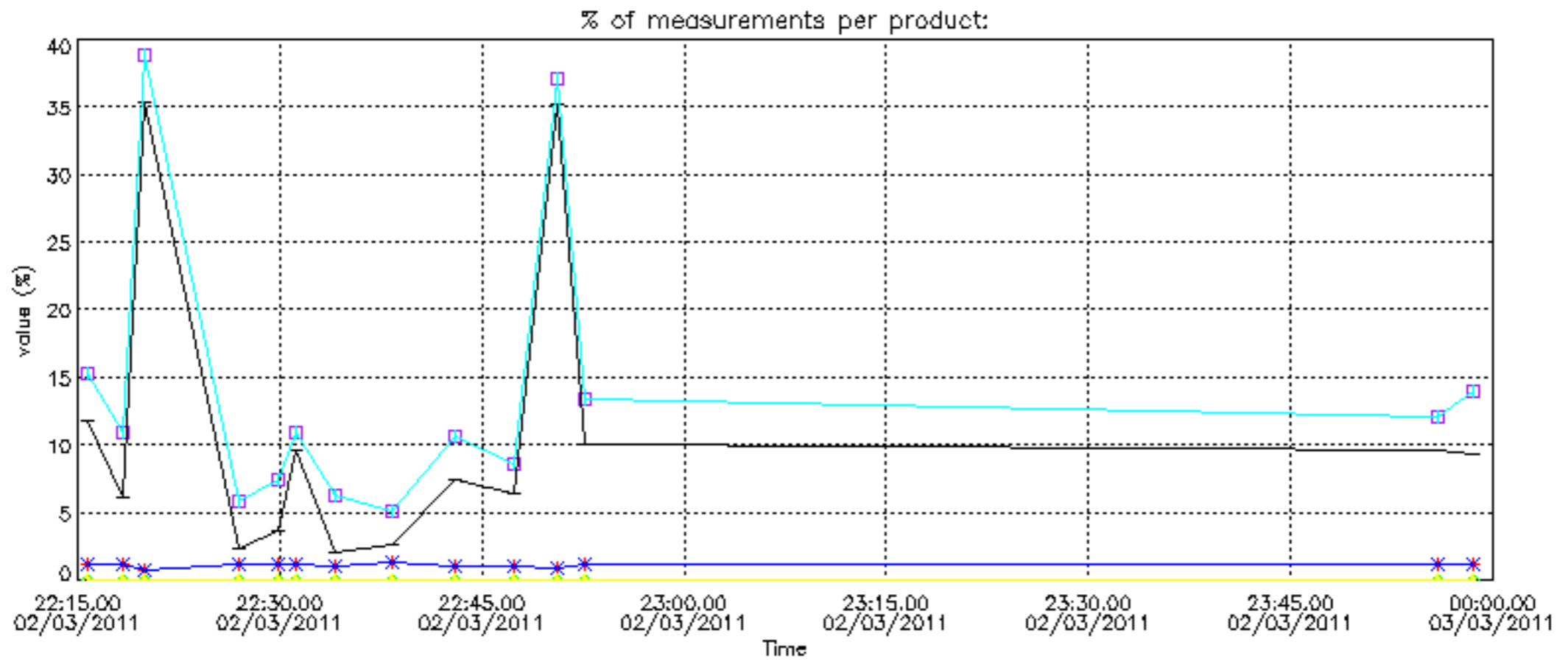
Percentage of flagged data per NO2 profile



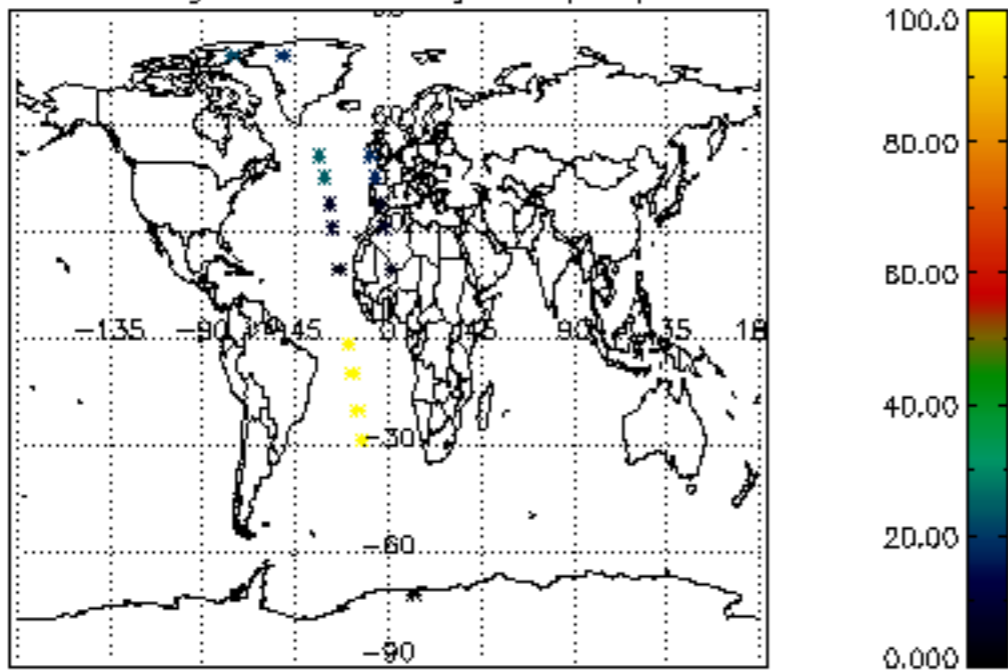
Percentage of flagged data per NO3 profile



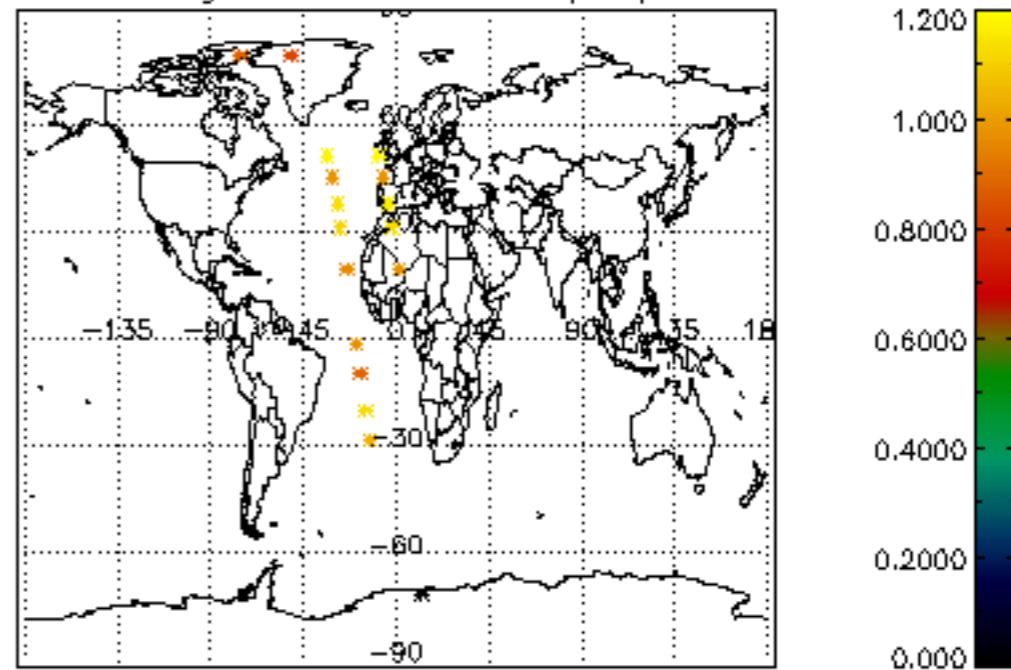




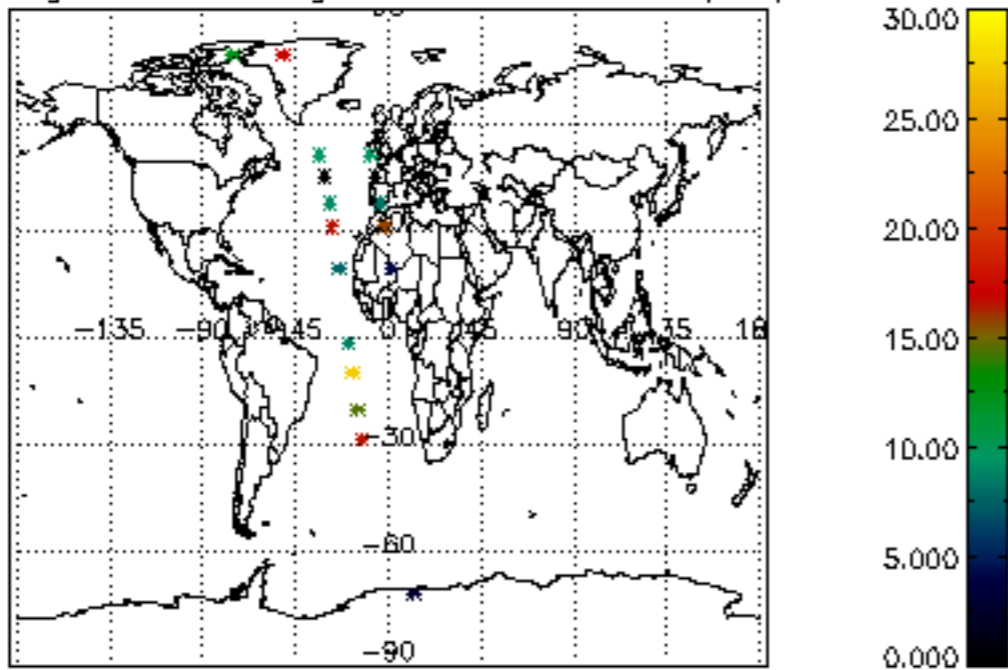
Percentage of cosmic ray hits per profile



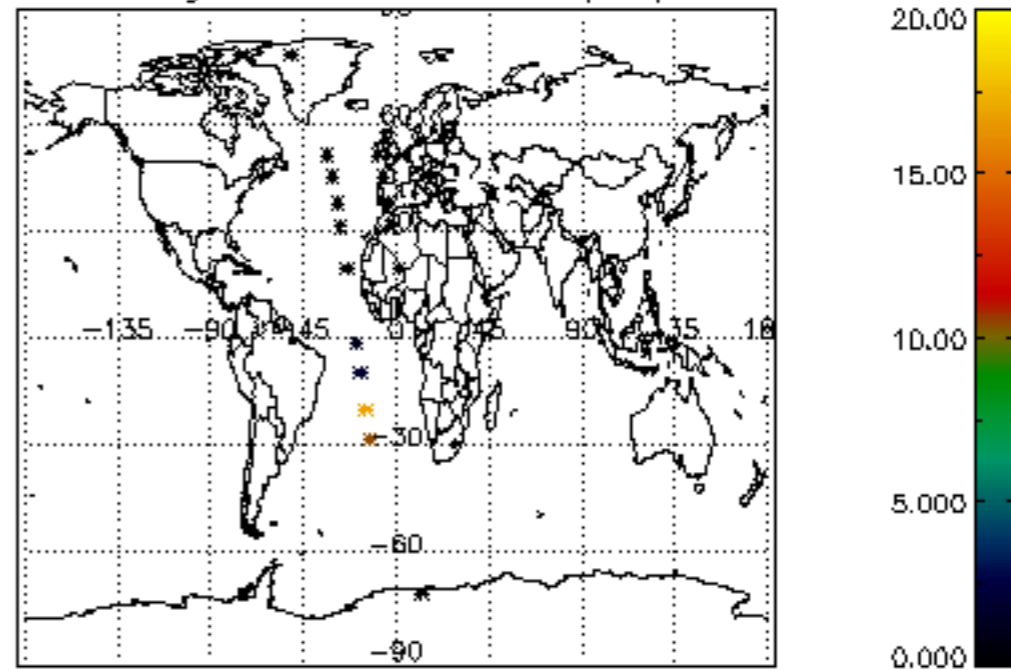
Percentage of datation errors per profile



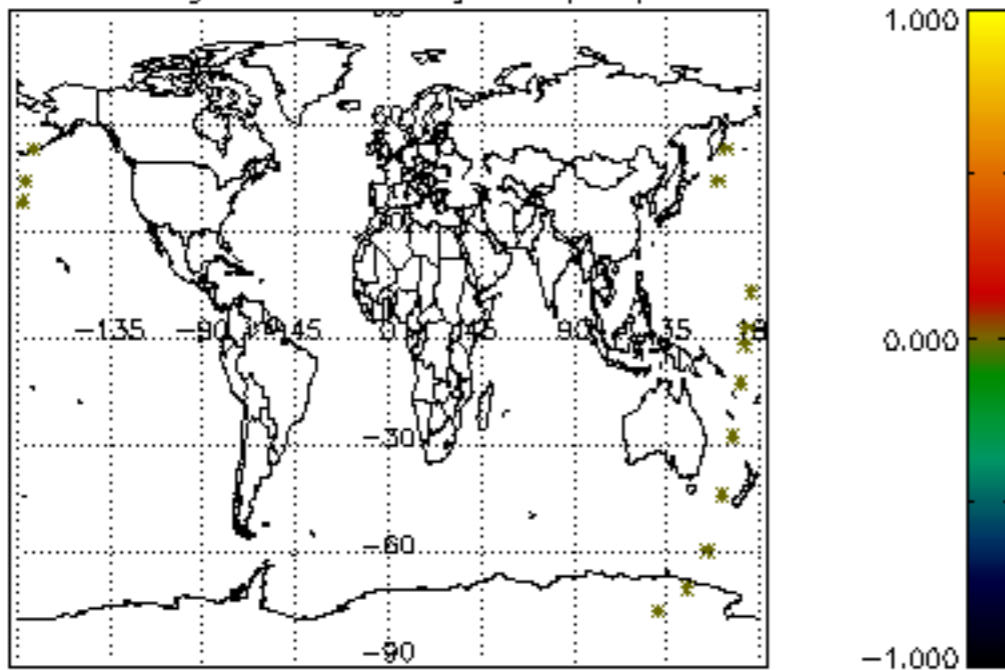
Percentage of star falling outside central band per profile



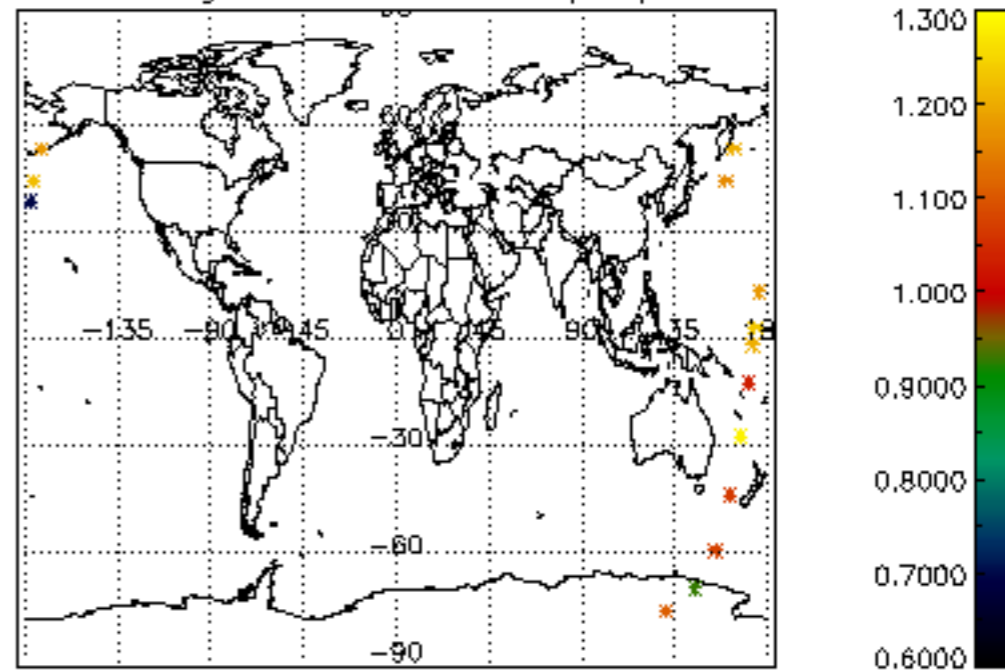
Percentage of saturation errors per profile



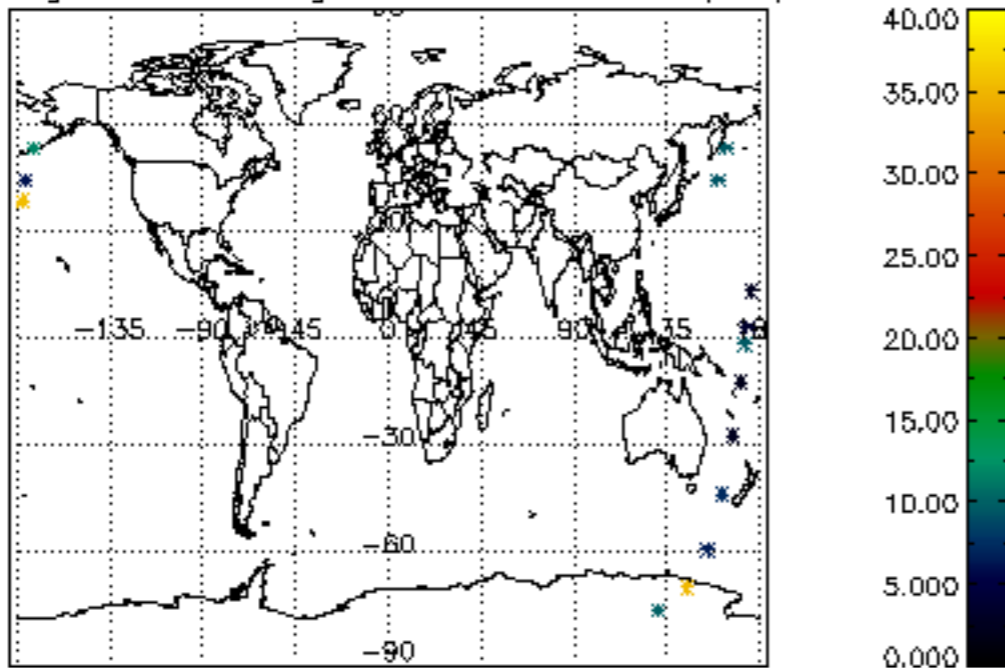
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

