

GOMOS Level 2 Daily Report

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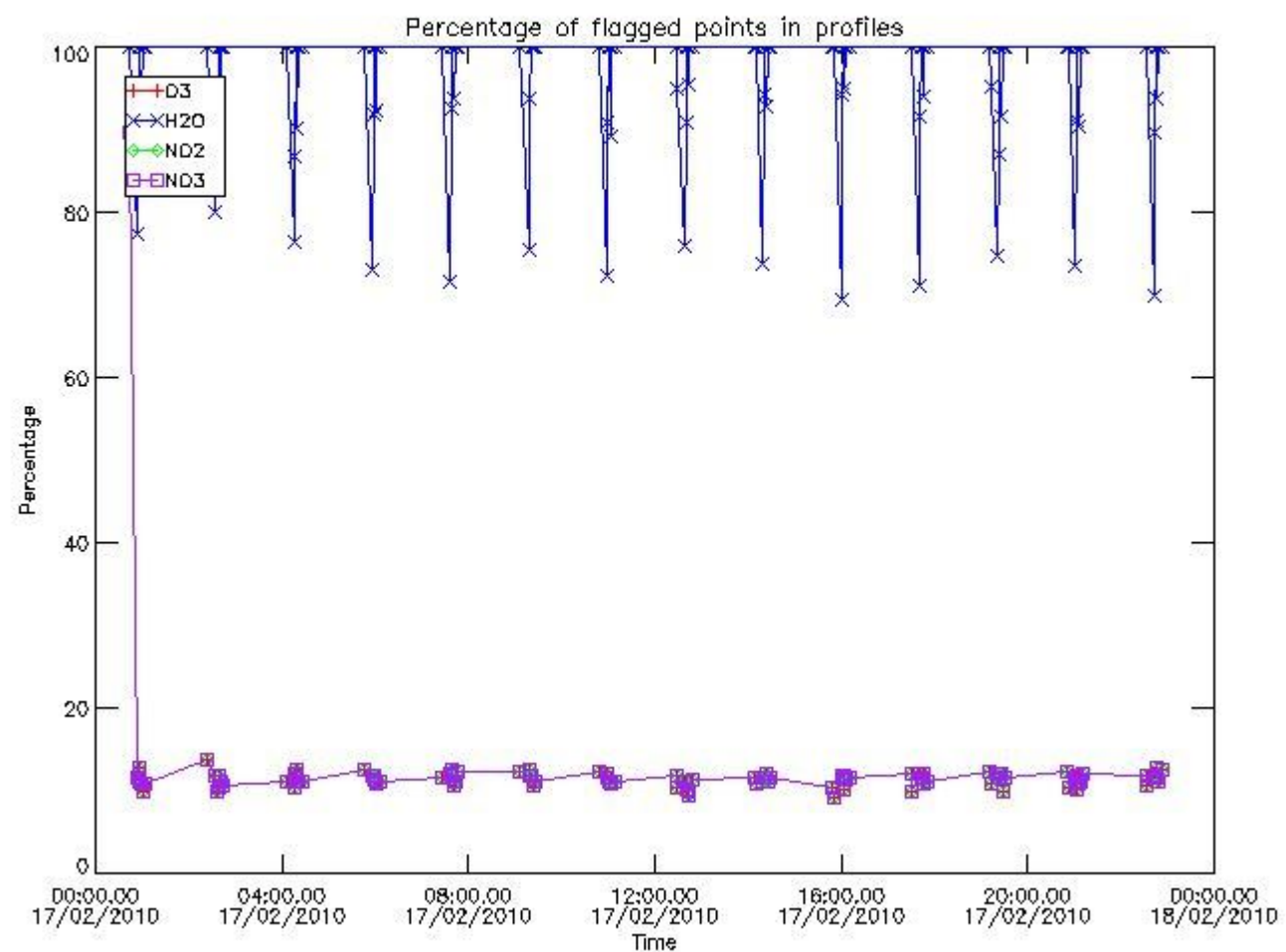
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161	GOM_NL__2PRFIN20100217_211144_000000462087_00029_41666_5613.N1	17-FEB-2010 21:11:44	Dark	46.000	113	Mu Vel	2.6920	5000.0	92	41666	No
162	GOM_NL__2PRFIN20100217_212508_000000482087_00029_41666_5614.N1	17-FEB-2010 21:25:08	Straylight	47.500	48	30Alp Hya	1.9770	4100.0	95	41666	No
163	GOM_NL__2PRFIN20100217_215512_000000422087_00029_41666_5615.N1	17-FEB-2010 21:55:12	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	41666	No
164	GOM_NL__2PRFIN20100217_220356_000000442087_00029_41666_5616.N1	17-FEB-2010 22:03:56	Bright	44.000	130	23Bet Dra	2.7990	5800.0	88	41666	No
165	GOM_NL__2PRFIN20100217_220818_000000382087_00029_41666_5617.N1	17-FEB-2010 22:08:18	Bright	38.000	5	3Alp Lyr	0.033000	11000.	76	41666	No
166	GOM_NL__2PRFIN20100217_221956_000000402087_00029_41666_5618.N1	17-FEB-2010 22:19:56	Twilight_stray	39.500	126	60Bet Oph	2.7700	4250.0	79	41666	No
167	GOM_NL__2PRFIN20100217_223139_000000442087_00029_41666_5619.N1	17-FEB-2010 22:31:39	Dark	43.500	25	35Lam Sco	1.6200	28000.	87	41666	No
168	GOM_NL__2PRFIN20100217_223300_000000492087_00029_41666_5620.N1	17-FEB-2010 22:33:00	Dark	48.500	75	26Eps Sco	2.2910	4250.0	97	41666	No
169	GOM_NL__2PRFIN20100217_224218_000000442087_00030_41667_5616.N1	17-FEB-2010 22:42:18	Dark	43.500	4	Alp1Cen	-0.010000	5800.0	87	41667	No
170	GOM_NL__2PRFIN20100217_224337_000000442087_00030_41667_5617.N1	17-FEB-2010 22:43:37	Dark	43.500	10	Bet Cen	0.61000	28000.	87	41667	No
171	GOM_NL__2PRFIN20100217_224504_000000442087_00030_41667_5618.N1	17-FEB-2010 22:45:04	Dark	44.000	77	Eps Cen	2.3030	28000.	88	41667	No
172	GOM_NL__2PRFIN20100217_224637_000000402087_00030_41667_5619.N1	17-FEB-2010 22:46:37	Dark	40.000	12	Alp1Cru	0.77500	30000.	80	41667	No
173	GOM_NL__2PRFIN20100217_224826_000000462087_00030_41667_5620.N1	17-FEB-2010 22:48:26	Dark	45.500	64	Gam Cen	2.2000	10600.	91	41667	No
174	GOM_NL__2PRFIN20100217_225220_000000412087_00030_41667_5621.N1	17-FEB-2010 22:52:20	Dark	41.000	113	Mu Vel	2.6920	5000.0	82	41667	No
175	GOM_NL__2PRFIN20100217_230543_000000472087_00030_41667_5622.N1	17-FEB-2010 23:05:43	Straylight	46.500	48	30Alp Hya	1.9770	4100.0	93	41667	No
176	GOM_NL__2PRFIN20100217_233548_000000422087_00030_41667_5623.N1	17-FEB-2010 23:35:48	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	41667	No
177	GOM_NL__2PRFIN20100217_234432_000000432087_00030_41667_5624.N1	17-FEB-2010 23:44:32	Bright	43.000	130	23Bet Dra	2.7990	5800.0	86	41667	No
178	GOM_NL__2PRFIN20100217_234854_000000392087_00030_41667_5625.N1	17-FEB-2010 23:48:54	Bright	39.000	5	3Alp Lyr	0.033000	11000.	78	41667	No

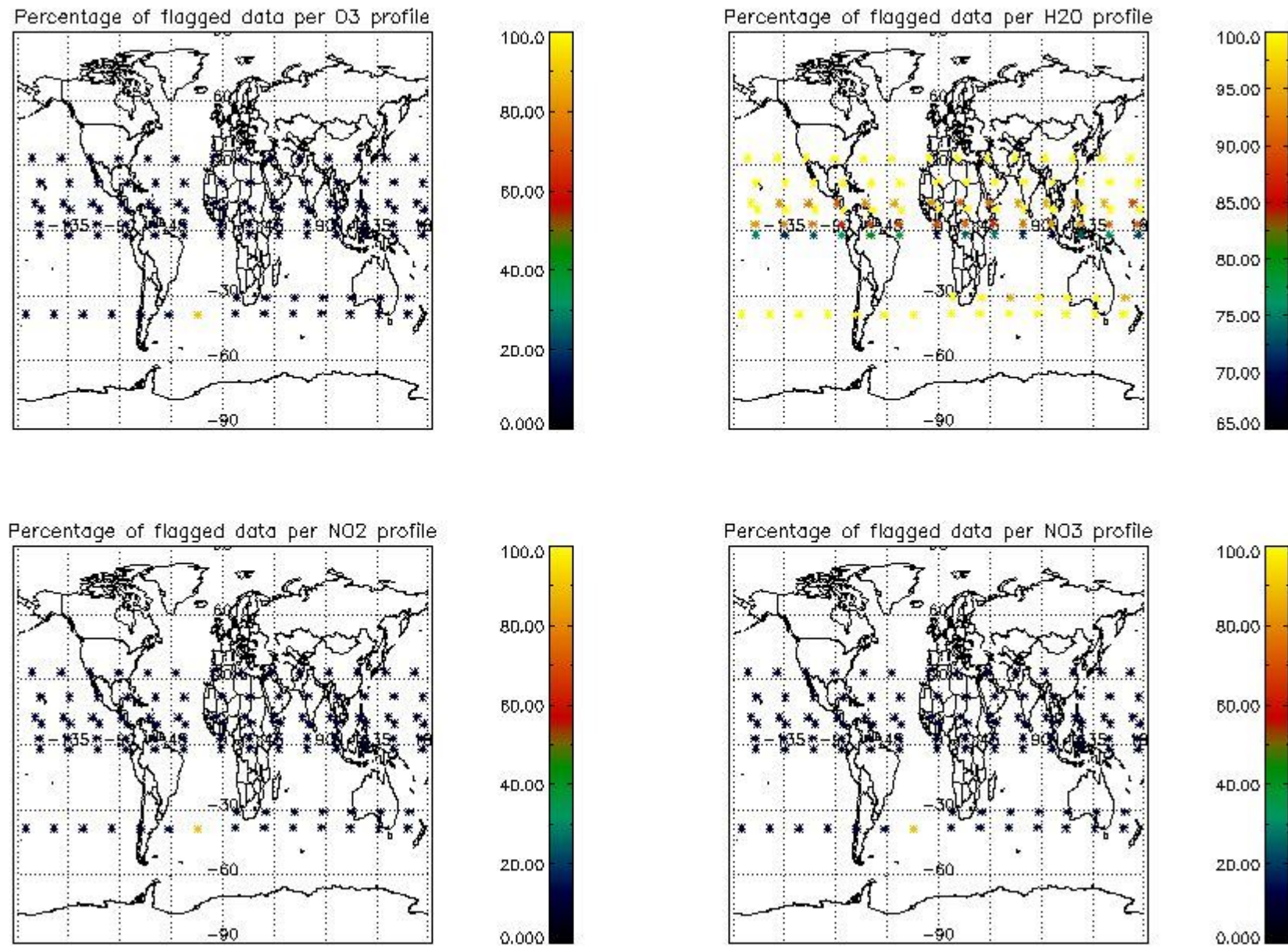
3. Quality information per product

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)

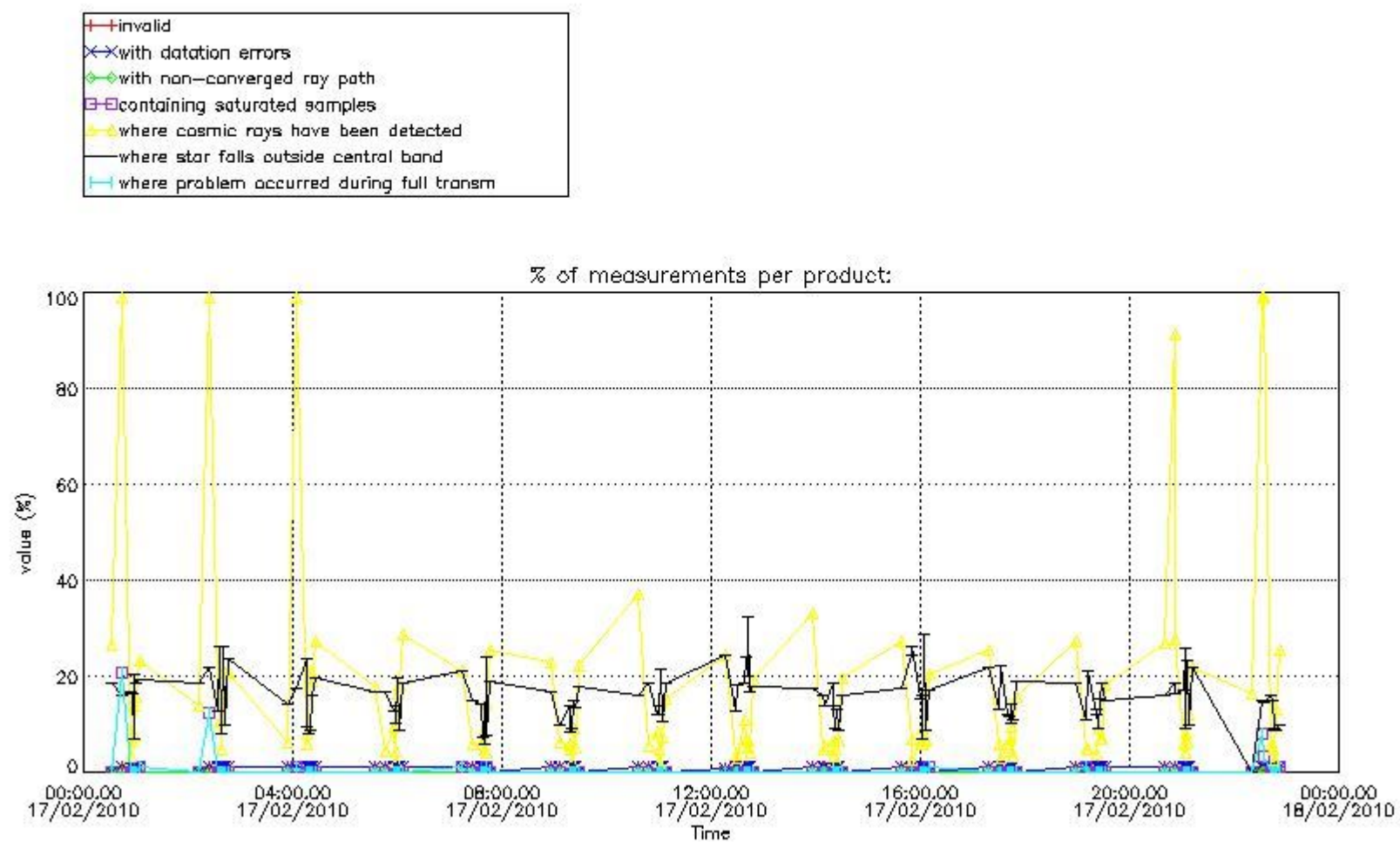


4. Level 1 quality information per product

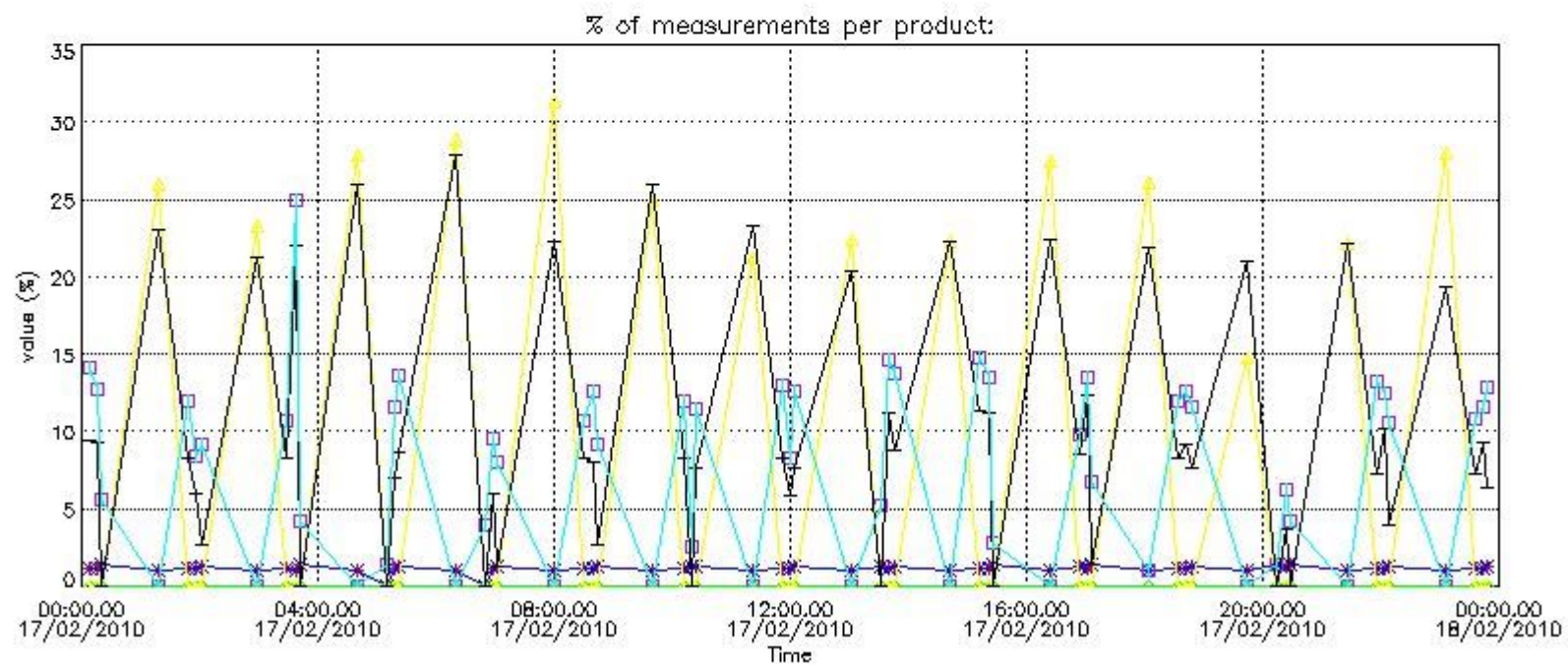
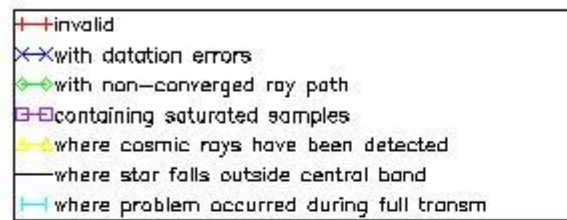
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



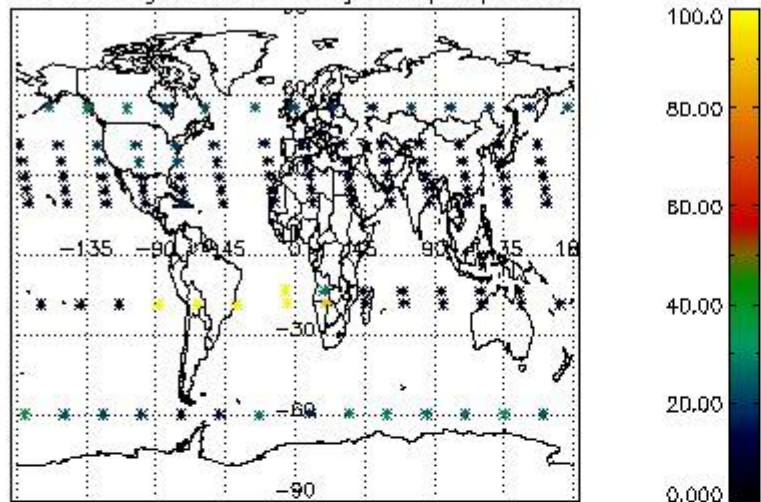
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



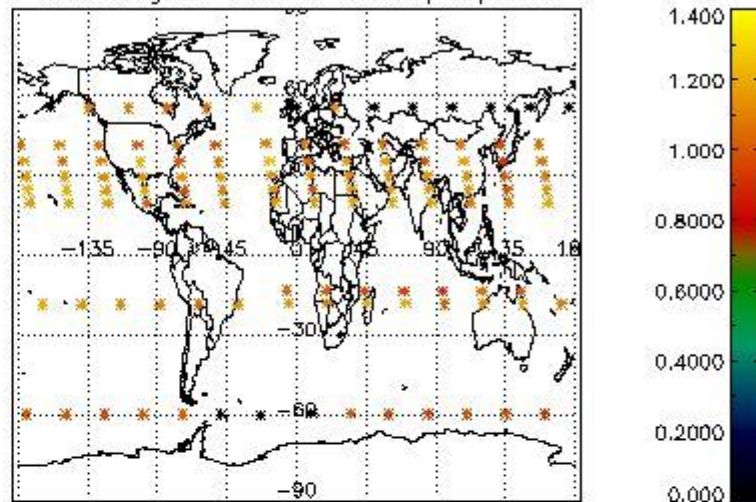
4.2 Plot quality information per product coming from level 1b processing (world map)

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

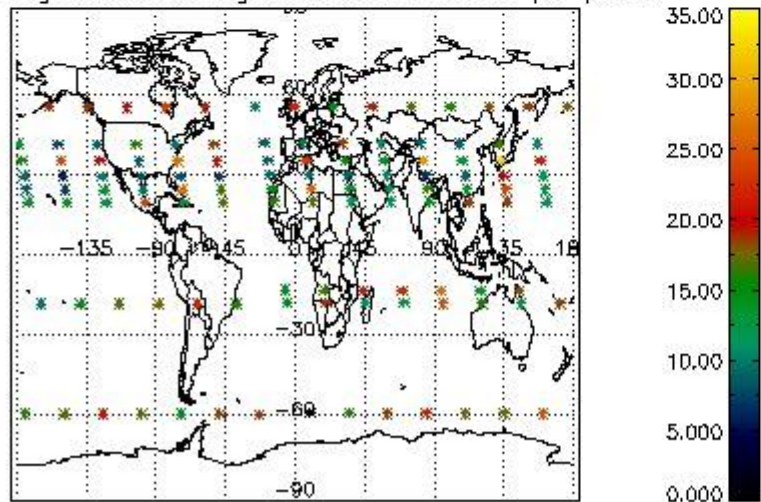
Percentage of cosmic ray hits per profile



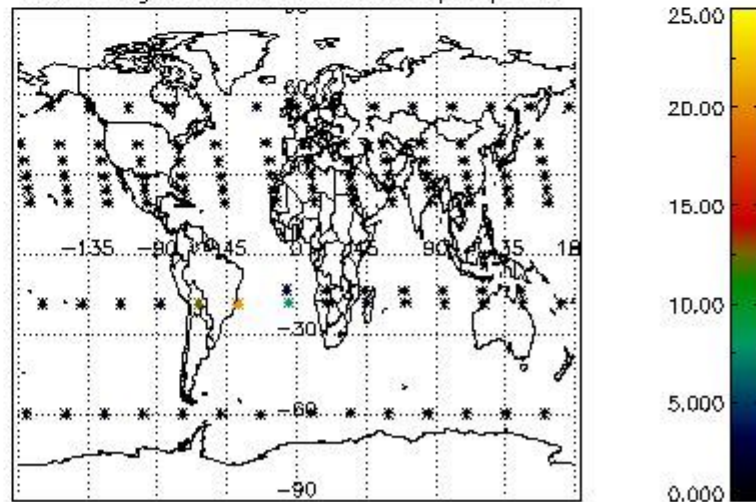
Percentage of datation errors per profile



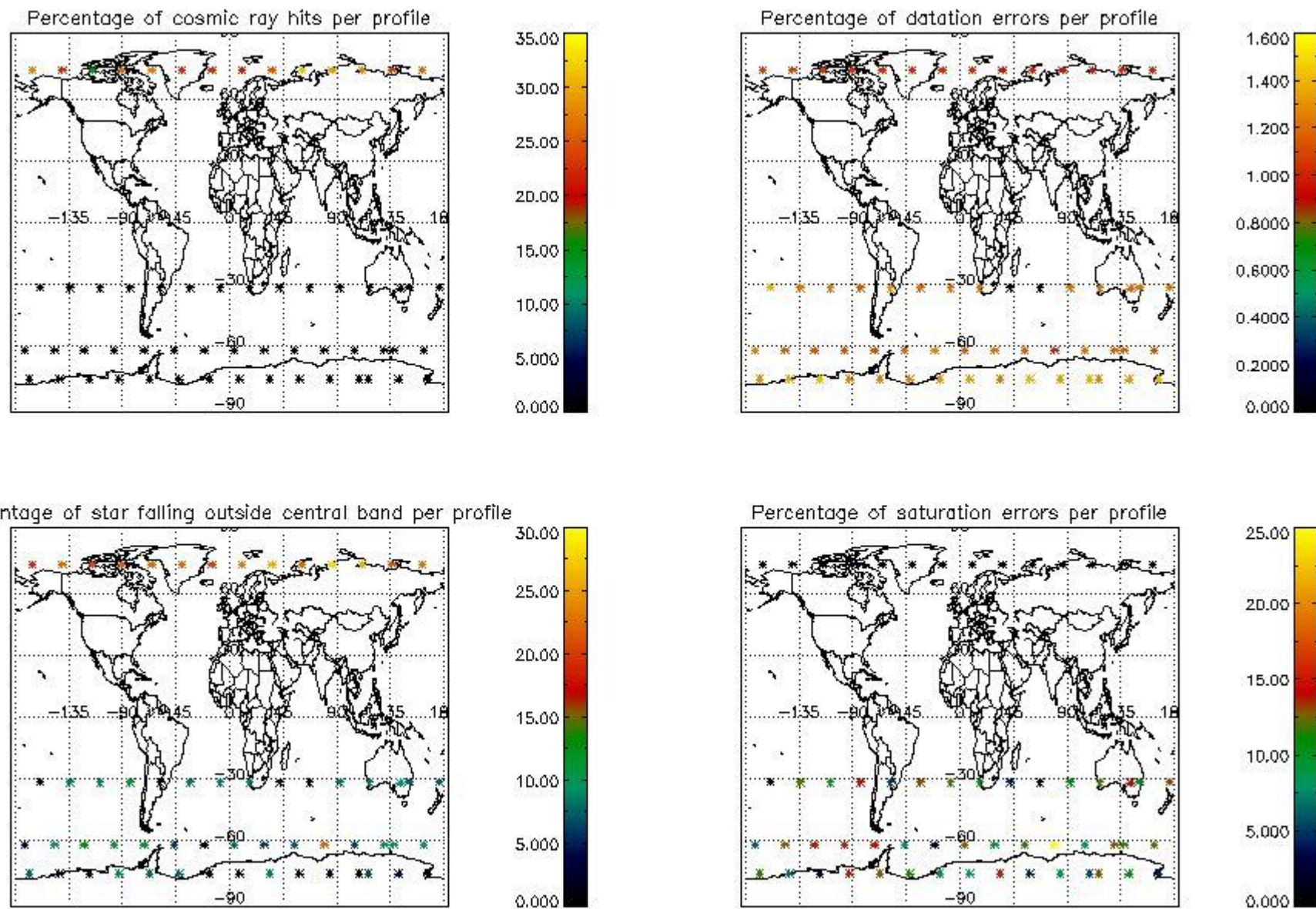
Percentage of star falling outside central band per profile



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

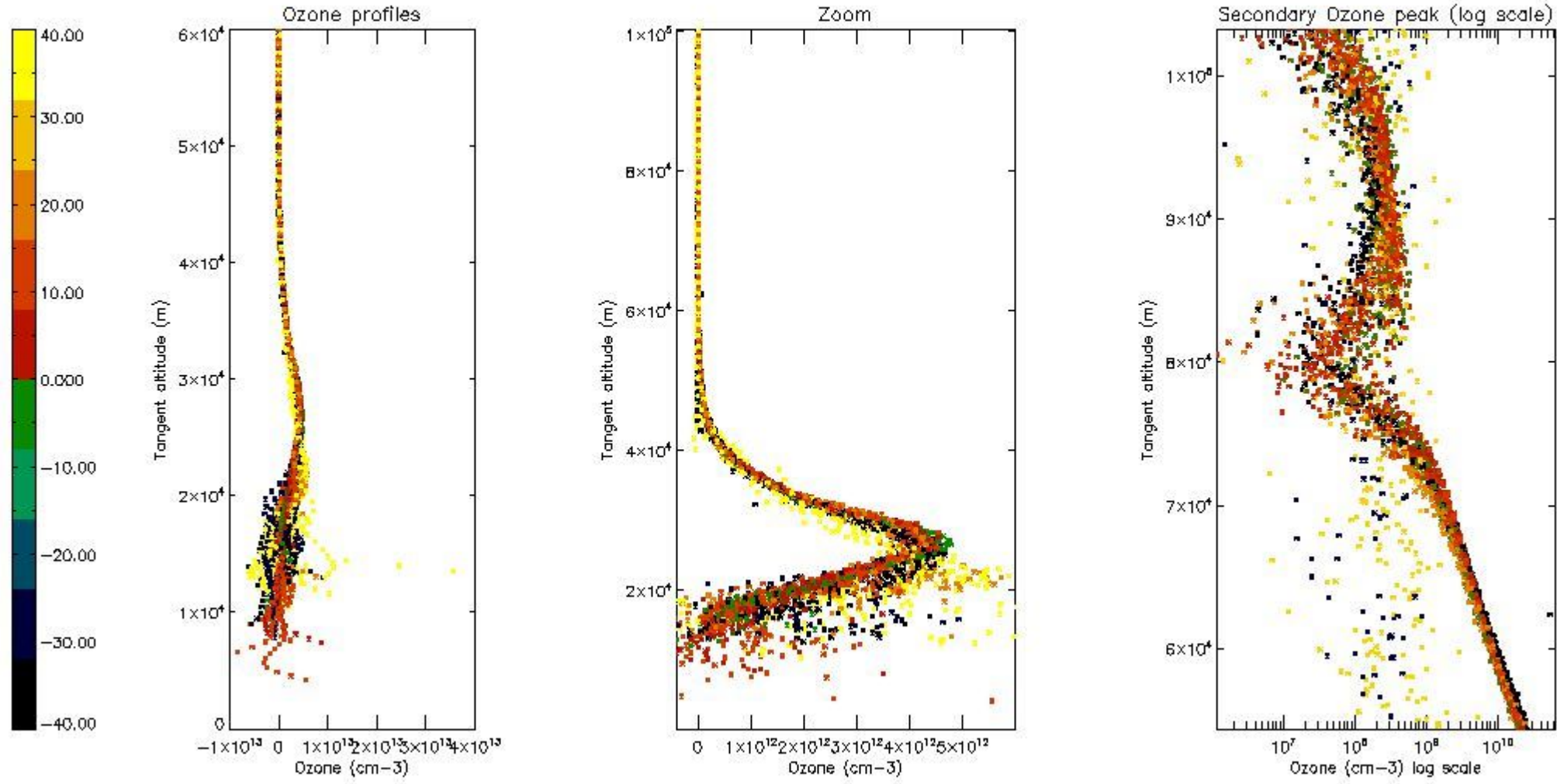
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	60
STD < 20	34

STD < 10	28
STD < 5	21

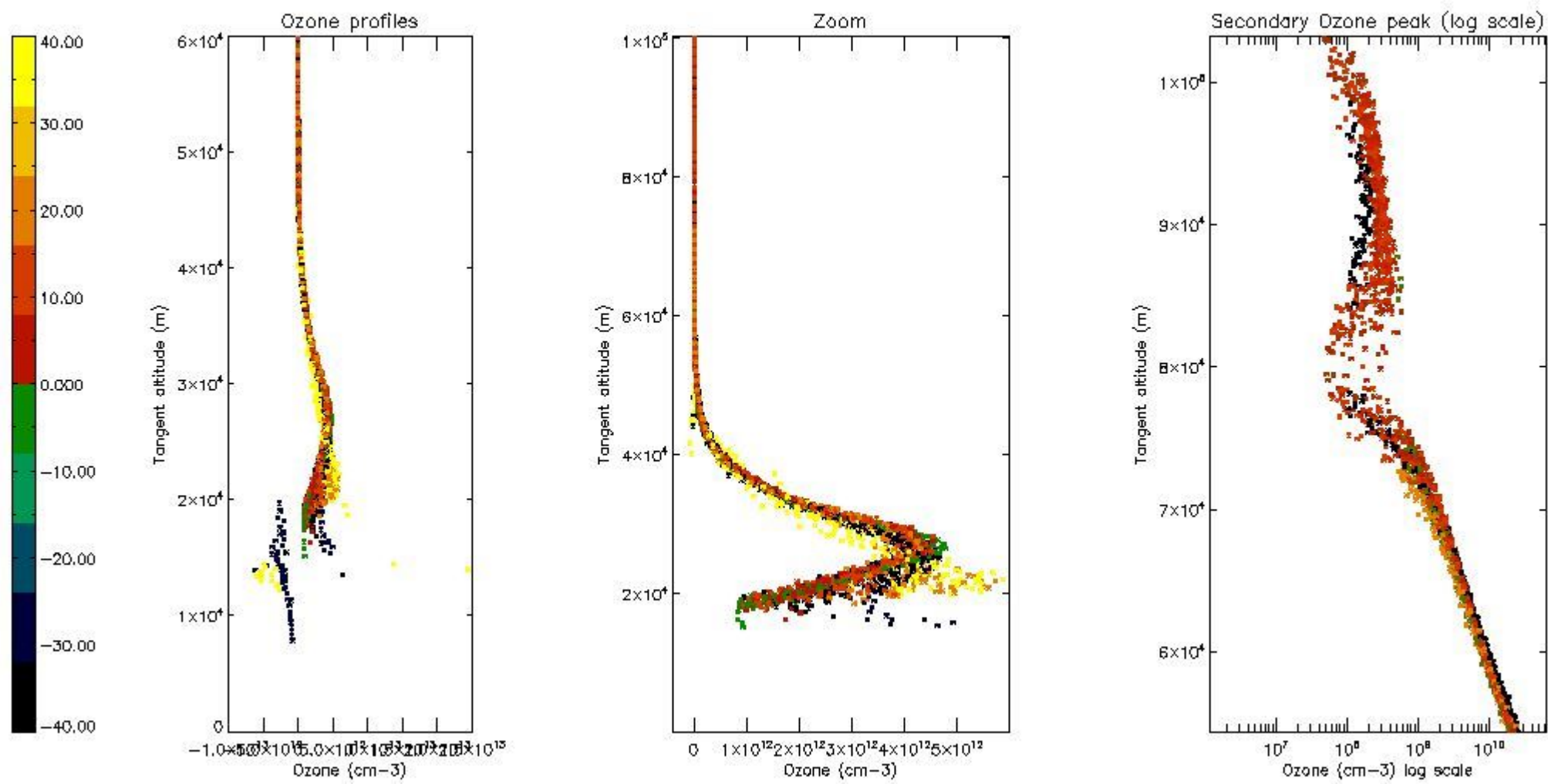
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



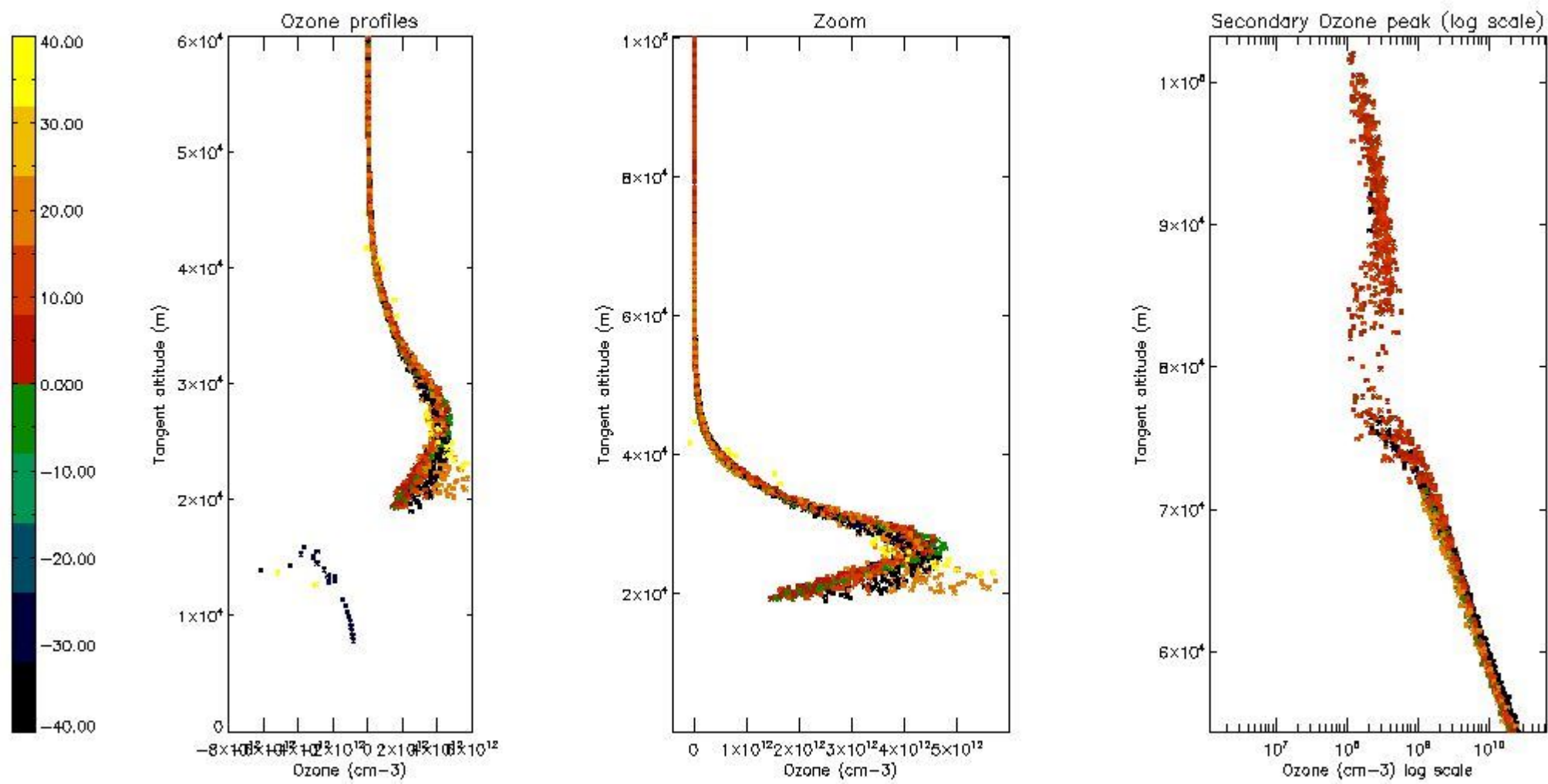
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



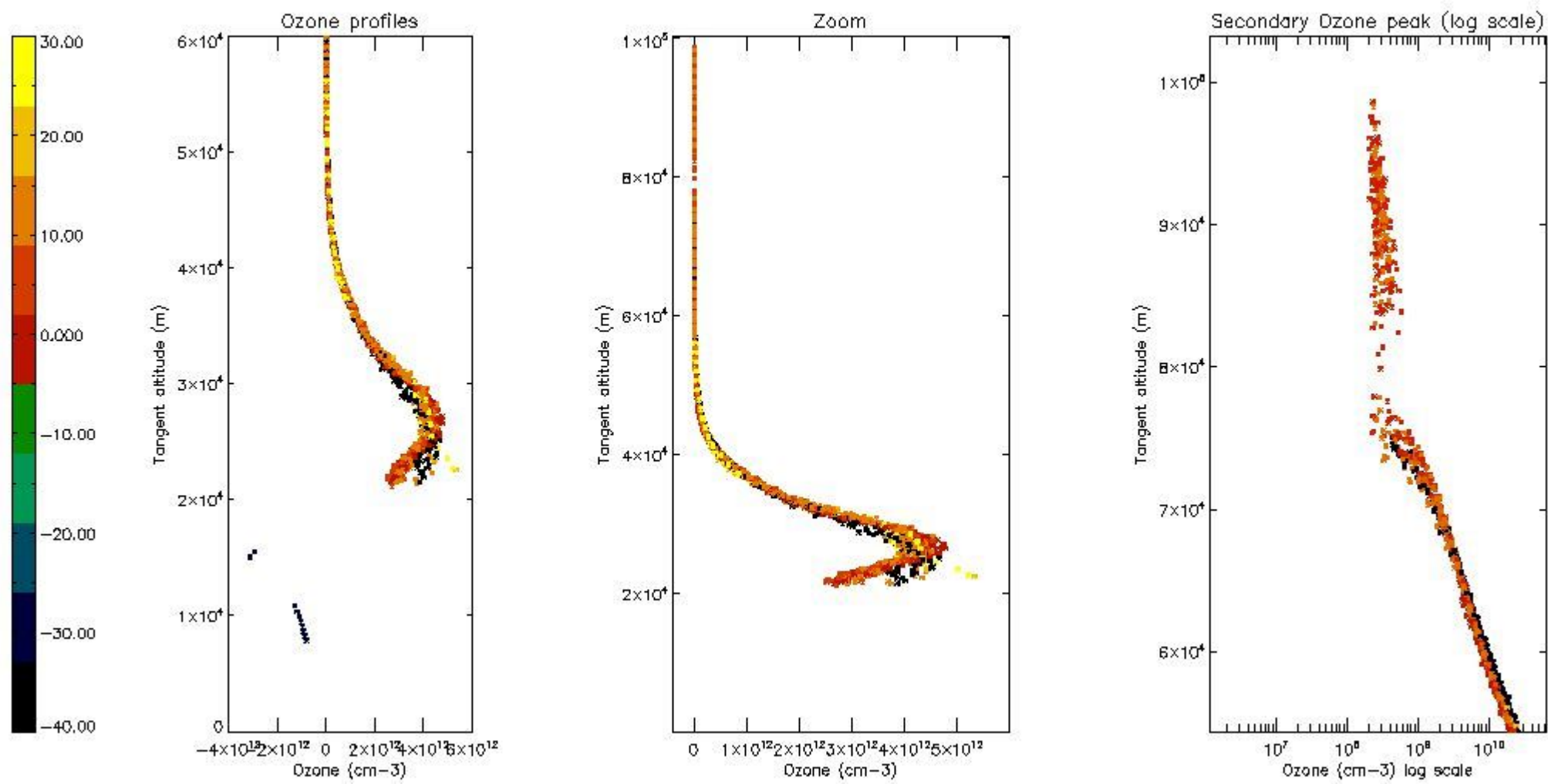
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



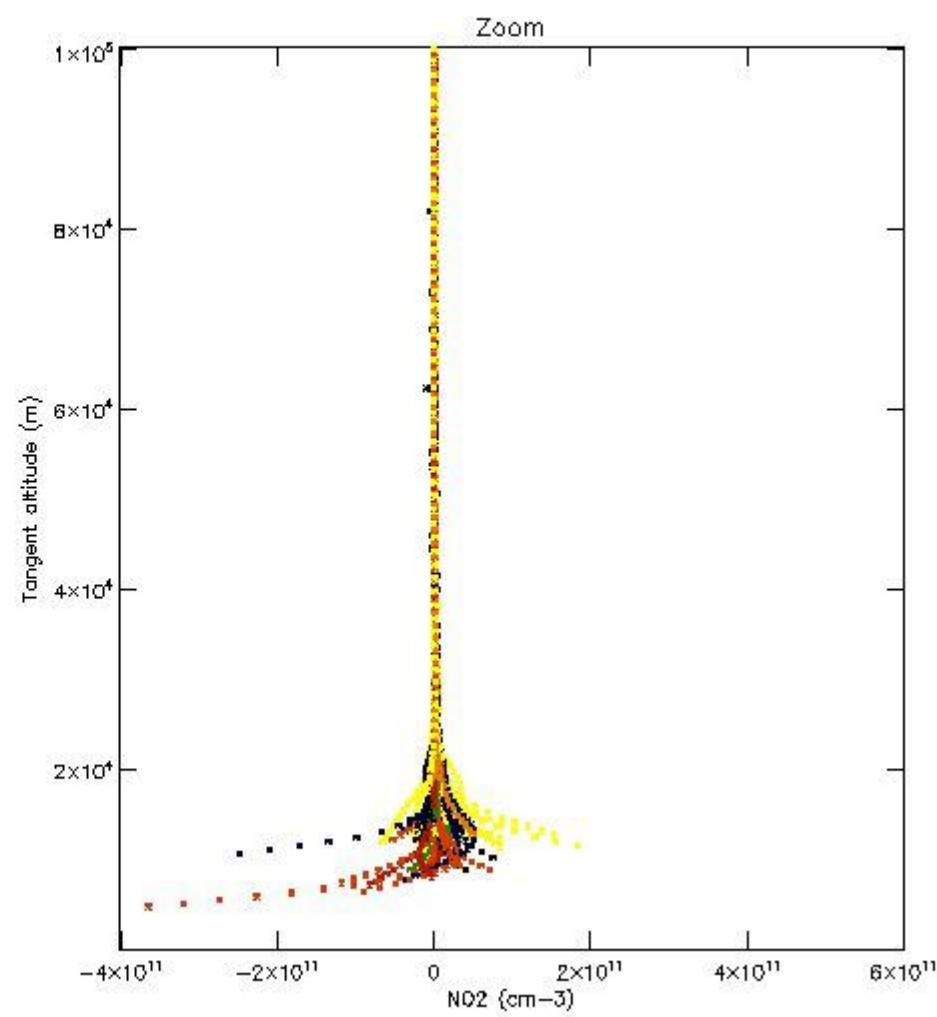
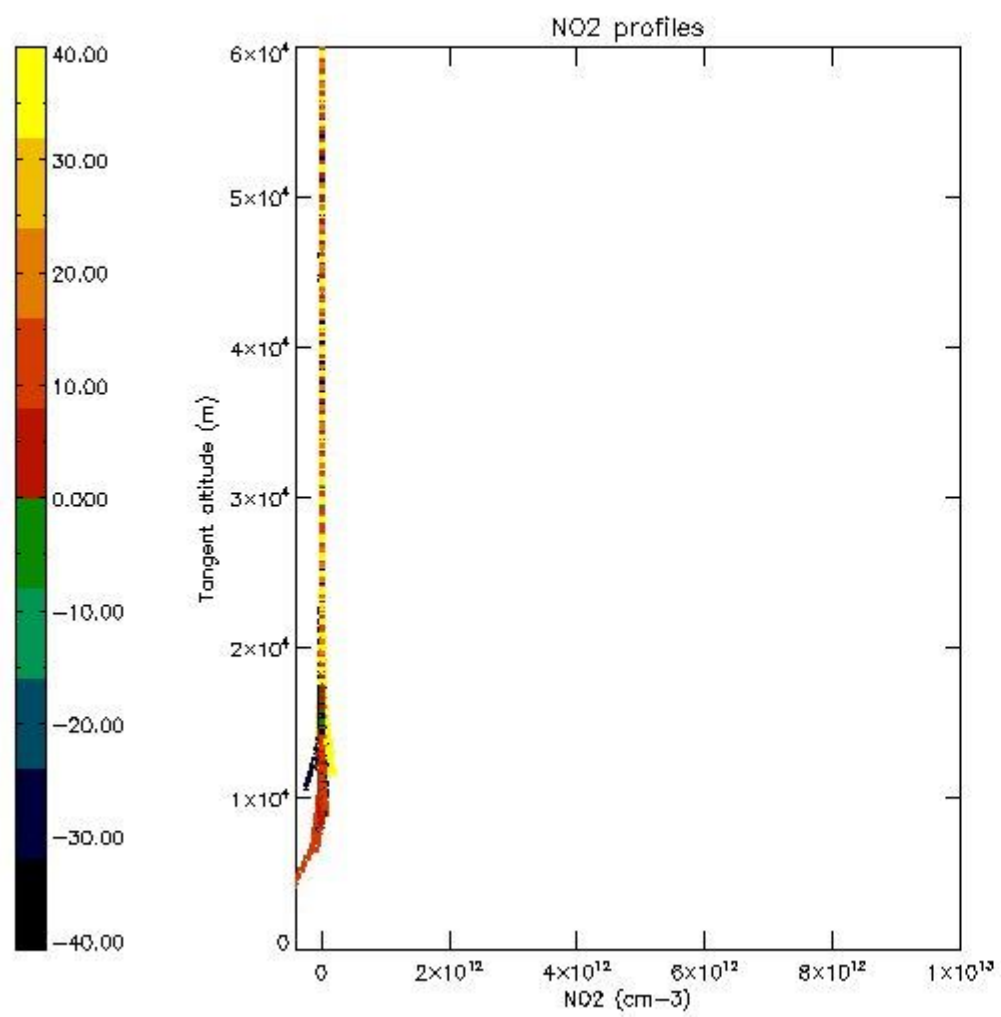
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



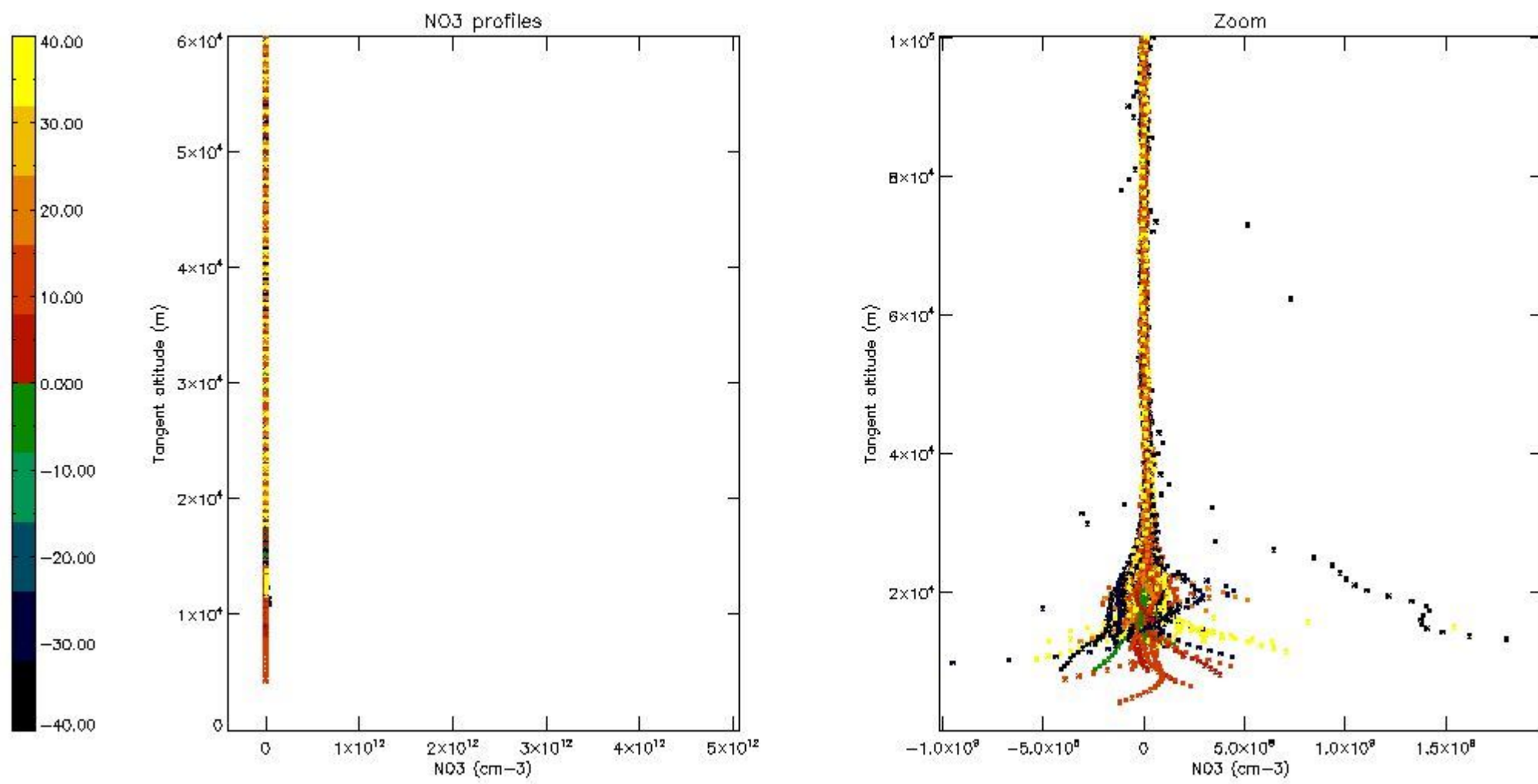
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



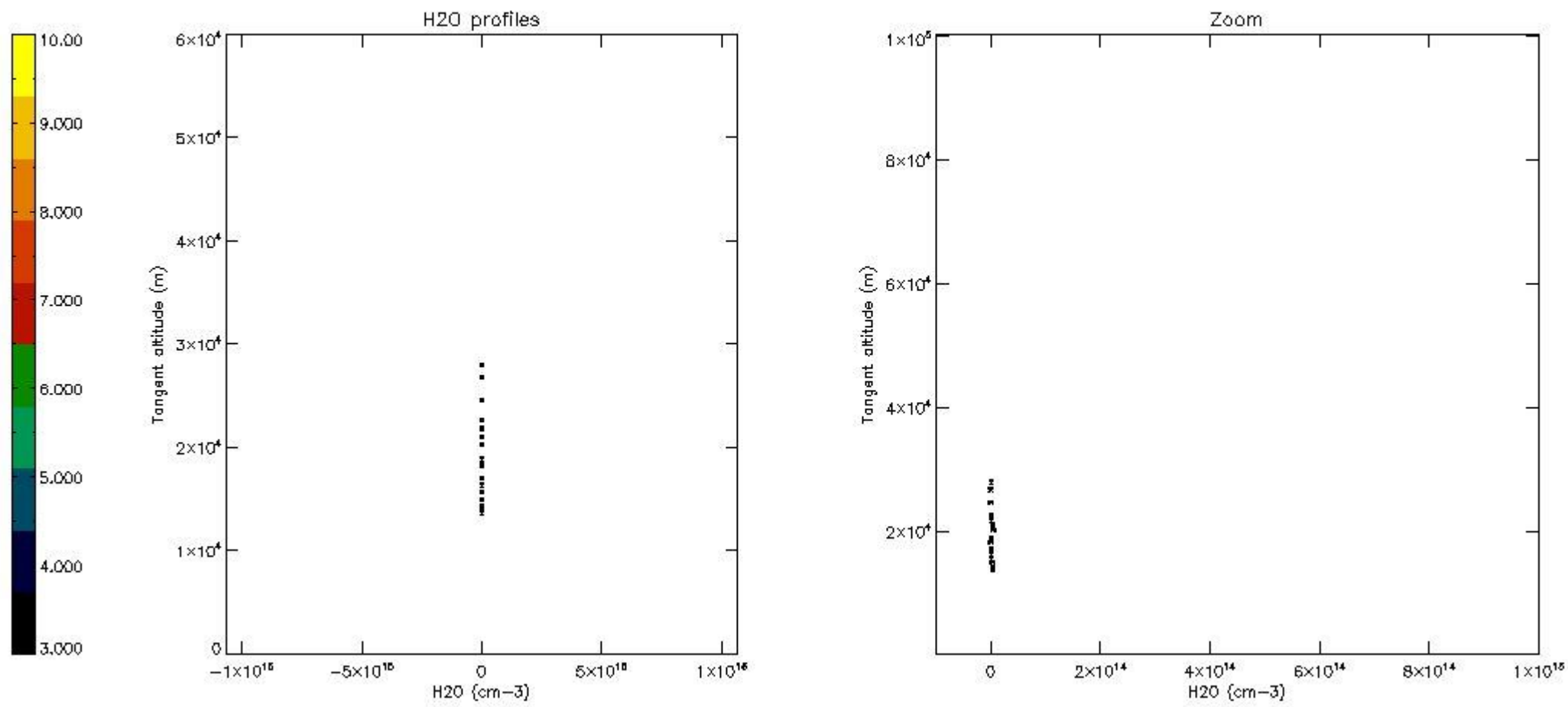
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



5.8 Plot H2O profiles for all STD (only for occultations of stars 1,2,3,4,13,14,16,26,63 dark without errors)

The colorbar represents the latitude.



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

The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	17-FEB-2010 00:07:29
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	17-FEB-2010 00:07:29
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	17-FEB-2010 00:07:29

GOMOS Level 2 Daily Report

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[4.1 Plot of level 1 quality information per product \(time dependant\)](#)

[4.1.1 Plot of level 1 quality information per product \(time dependant\): ASCENDING](#)

[4.1.2 Plot of level 1 quality information per product \(time dependant\): DESCENDING](#)

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

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

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[5.4. Plot ozone profiles where STD < 10% \(dark without errors\)](#)

[5.5. Plot ozone profiles where STD < 5% \(dark without errors\)](#)

[5.6 Plot NO2 profiles for all STD \(dark without errors\)](#)

[5.7 Plot NO3 profiles for all STD \(dark without errors\)](#)

[5.8 Plot H2O profiles \(only for occultations of stars 1,2,3,4,13,14,16,26,63 dark without errors\) for all STD](#)

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

This report presents the daily analysis on parameters extracted from GOMOS level 2 data (GOM_NL__2P). It is intended to monitor some important parameters that will impact the quality of these products. A list of level 2 products (and content) that have arrived during the reporting day to the PCF is also given.

Item	Value
Time of report generation	26APR2013 17:28:28
Data source version	GOMOS/6.01
Start time of products	17-02-2010 (17FEB2010 00:00:00)
Stop time of products	18-02-2010 (18FEB2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	178
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

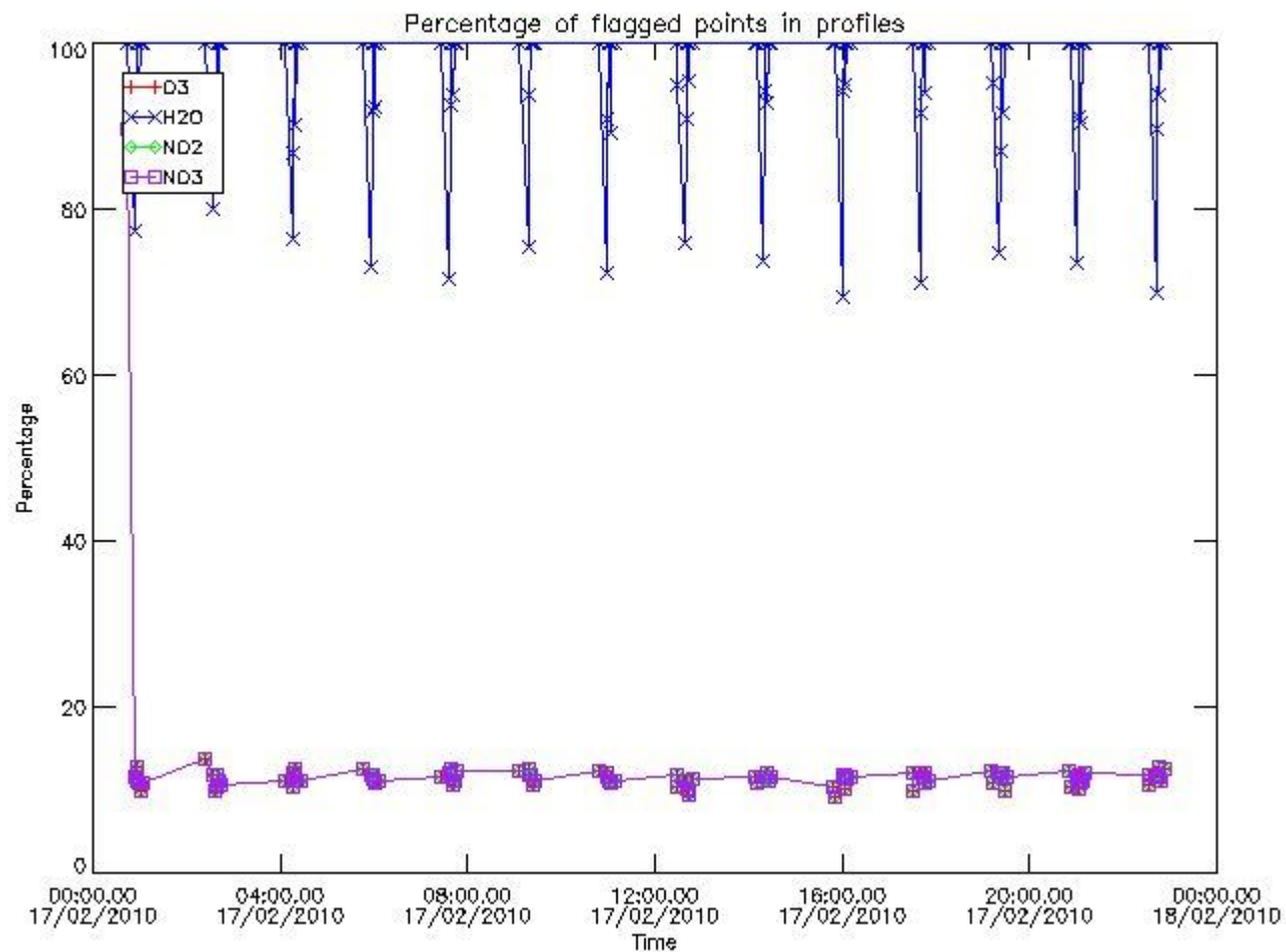
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20100217_000729_000000432087_00016_41653_5491.N1	17-FEB-2010 00:07:29	Bright	42.500	60	7Bet UMi	2.0810	3950.0	85	41653	No
2	GOM_NL__2PRFIN20100217_001611_000000432087_00016_41653_5492.N1	17-FEB-2010 00:16:11	Bright	43.000	130	23Bet Dra	2.7990	5800.0	86	41653	No
3	GOM_NL__2PRFIN20100217_002030_000000362087_00016_41653_5493.N1	17-FEB-2010 00:20:30	Bright	36.000	5	3Alp Lyr	0.033000	11000.	72	41653	No
4	GOM_NL__2PRFIN20100217_003201_000000512087_00016_41653_5494.N1	17-FEB-2010 00:32:01	Twilight	51.000	126	60Bet Oph	2.7700	4250.0	102	41653	No
5	GOM_NL__2PRFIN20100217_004344_000000442087_00016_41653_5495.N1	17-FEB-2010 00:43:44	Dark	43.500	25	35Lam Sco	1.6200	28000.	87	41653	No
6	GOM_NL__2PRFIN20100217_005423_000000452087_00017_41654_5492.N1	17-FEB-2010 00:54:23	Dark	44.500	4	Alp1Cen	-0.010000	5800.0	89	41654	No
7	GOM_NL__2PRFIN20100217_005542_000000462087_00017_41654_5493.N1	17-FEB-2010 00:55:42	Dark	45.500	10	Bet Cen	0.61000	28000.	91	41654	No
8	GOM_NL__2PRFIN20100217_005706_000000442087_00017_41654_5494.N1	17-FEB-2010 00:57:06	Dark	43.500	77	Eps Cen	2.3030	28000.	87	41654	No
9	GOM_NL__2PRFIN20100217_005843_000000472087_00017_41654_5495.N1	17-FEB-2010 00:58:43	Dark	46.500	12	Alp1Cru	0.77500	30000.	93	41654	No
10	GOM_NL__2PRFIN20100217_010028_000000522087_00017_41654_5496.N1	17-FEB-2010 01:00:28	Dark	51.500	64	Gam Cen	2.2000	10600.	103	41654	No
11	GOM_NL__2PRFIN20100217_010427_000000472087_00017_41654_5497.N1	17-FEB-2010 01:04:27	Dark	47.000	113	Mu Vel	2.6920	5000.0	94	41654	No
12	GOM_NL__2PRFIN20100217_011755_000000502087_00017_41654_5498.N1	17-FEB-2010 01:17:55	Straylight	50.000	48	30Alp Hya	1.9770	4100.0	100	41654	No
13	GOM_NL__2PRFIN20100217_014804_000000422087_00017_41654_5499.N1	17-FEB-2010 01:48:04	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	41654	No
14	GOM_NL__2PRFIN20100217_015647_000000422087_00017_41654_5500.N1	17-FEB-2010 01:56:47	Bright	41.500	130	23Bet Dra	2.7990	5800.0	83	41654	No
15	GOM_NL__2PRFIN20100217_020106_000000382087_00017_41654_5501.N1	17-FEB-2010 02:01:06	Bright	38.000	5	3Alp Lyr	0.033000	11000.	76	41654	No
16	GOM_NL__2PRFIN20100217_021238_000000512087_00017_41654_5502.N1	17-FEB-2010 02:12:38	Twilight	51.000	126	60Bet Oph	2.7700	4250.0	102	41654	No
17	GOM_NL__2PRFIN20100217_022420_000000482087_00017_41654_5503.N1	17-FEB-2010 02:24:20	Dark	48.000	25	35Lam Sco	1.6200	28000.	96	41654	No
18	GOM_NL__2PRFIN20100217_023459_000000432087_00018_41655_5500.N1	17-FEB-2010 02:34:59	Dark	43.000	4	Alp1Cen	-0.010000	5800.0	86	41655	No
19	GOM_NL__2PRFIN20100217_023618_000000522087_00018_41655_5501.N1	17-FEB-2010 02:36:18	Dark	51.500	10	Bet Cen	0.61000	28000.	103	41655	No
20	GOM_NL__2PRFIN20100217_023743_000000442087_00018_41655_5502.N1	17-FEB-2010 02:37:43	Dark	43.500	77	Eps Cen	2.3030	28000.	87	41655	No
21	GOM_NL__2PRFIN20100217_023920_000000502087_00018_41655_5503.N1	17-FEB-2010 02:39:20	Dark	49.500	12	Alp1Cru	0.77500	30000.	99	41655	No
22	GOM_NL__2PRFIN20100217_024105_000000462087_00018_41655_5504.N1	17-FEB-2010 02:41:05	Dark	46.000	64	Gam Cen	2.2000	10600.	92	41655	No
23	GOM_NL__2PRFIN20100217_024504_000000492087_00018_41655_5505.N1	17-FEB-2010 02:45:04	Dark	48.500	113	Mu Vel	2.6920	5000.0	97	41655	No
24	GOM_NL__2PRFIN20100217_025831_000000502087_00018_41655_5506.N1	17-FEB-2010 02:58:31	Straylight	49.500	48	30Alp Hya	1.9770	4100.0	99	41655	No
25	GOM_NL__2PRFIN20100217_032840_000000422087_00018_41655_5507.N1	17-FEB-2010 03:28:40	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	41655	No
26	GOM_NL__2PRFIN20100217_033722_000000502087_00018_41655_5508.N1	17-FEB-2010 03:37:22	Bright	50.000	130	23Bet Dra	2.7990	5800.0	100	41655	No
27	GOM_NL__2PRFIN20100217_034142_000000362087_00018_41655_5509.N1	17-FEB-2010 03:41:42	Bright	36.000	5	3Alp Lyr	0.033000	11000.	72	41655	No
28	GOM_NL__2PRFIN20100217_035314_000000492087_00018_41655_5510.N1	17-FEB-2010 03:53:14	Twilight	49.000	126	60Bet Oph	2.7700	4250.0	98	41655	No
29	GOM_NL__2PRFIN20100217_040457_000000462087_00018_41655_5511.N1	17-FEB-2010 04:04:57	Dark	45.500	25	35Lam Sco	1.6200	28000.	91	41655	No
30	GOM_NL__2PRFIN20100217_041536_000000492087_00019_41656_5508.N1	17-FEB-2010 04:15:36	Dark	49.000	4	Alp1Cen	-0.010000	5800.0	98	41656	No
31	GOM_NL__2PRFIN20100217_041655_000000422087_00019_41656_5509.N1	17-FEB-2010 04:16:55	Dark	42.000	10	Bet Cen	0.61000	28000.	84	41656	No
32	GOM_NL__2PRFIN20100217_041820_000000442087_00019_41656_5510.N1	17-FEB-2010 04:18:20	Dark	44.000	77	Eps Cen	2.3030	28000.	88	41656	No
33	GOM_NL__2PRFIN20100217_041956_000000412087_00019_41656_5511.N1	17-FEB-2010 04:19:56	Dark	40.500	12	Alp1Cru	0.77500	30000.	81	41656	No
34	GOM_NL__2PRFIN20100217_042142_000000502087_00019_41656_5512.N1	17-FEB-2010 04:21:42	Dark	50.000	64	Gam Cen	2.2000	10600.	100	41656	No
35	GOM_NL__2PRFIN20100217_042540_000000462087_00019_41656_5513.N1	17-FEB-2010 04:25:40	Dark	46.000	113	Mu Vel	2.6920	5000.0	92	41656	No
36	GOM_NL__2PRFIN20100217_043907_000000522087_00019_41656_5514.N1	17-FEB-2010 04:39:07	Straylight	52.000	48	30Alp Hya	1.9770	4100.0	104	41656	No
37	GOM_NL__2PRFIN20100217_050916_000000372087_00019_41656_5515.N1	17-FEB-2010 05:09:16	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	41656	No
38	GOM_NL__2PRFIN20100217_051758_000000432087_00019_41656_5516.N1	17-FEB-2010 05:17:58	Bright	43.000	130	23Bet Dra	2.7990	5800.0	86	41656	No
39	GOM_NL__2PRFIN20100217_052218_000000412087_00019_41656_5517.N1	17-FEB-2010 05:22:18	Bright	40.500	5	3Alp Lyr	0.033000	11000.	81	41656	No
40	GOM_NL__2PRFIN20100217_053351_000000512087_00019_41656_5518.N1	17-FEB-2010 05:33:51	Twilight	50.500	126	60Bet Oph	2.7700	4250.0	101	41656	No
41	GOM_NL__2PRFIN20100217_054534_000000452087_00019_41656_5519.N1	17-FEB-2010 05:45:34	Dark	44.500	25	35Lam Sco	1.6200	28000.	89	41656	No
42	GOM_NL__2PRFIN20100217_055612_000000432087_00020_41657_5516.N1	17-FEB-2010 05:56:12	Dark	43.000	4	Alp1Cen	-0.010000	5800.0	86	41657	No

161	GOM_NL__2PRFIN20100217_211144_000000462087_00029_41666_5613.N1	17-FEB-2010 21:11:44	Dark	46.000	113	Mu Vel	2.6920	5000.0	92	41666	No
162	GOM_NL__2PRFIN20100217_212508_000000482087_00029_41666_5614.N1	17-FEB-2010 21:25:08	Straylight	47.500	48	30Alp Hya	1.9770	4100.0	95	41666	No
163	GOM_NL__2PRFIN20100217_215512_000000422087_00029_41666_5615.N1	17-FEB-2010 21:55:12	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	41666	No
164	GOM_NL__2PRFIN20100217_220356_000000442087_00029_41666_5616.N1	17-FEB-2010 22:03:56	Bright	44.000	130	23Bet Dra	2.7990	5800.0	88	41666	No
165	GOM_NL__2PRFIN20100217_220818_000000382087_00029_41666_5617.N1	17-FEB-2010 22:08:18	Bright	38.000	5	3Alp Lyr	0.033000	11000.	76	41666	No
166	GOM_NL__2PRFIN20100217_221956_000000402087_00029_41666_5618.N1	17-FEB-2010 22:19:56	Twilight_stray	39.500	126	60Bet Oph	2.7700	4250.0	79	41666	No
167	GOM_NL__2PRFIN20100217_223139_000000442087_00029_41666_5619.N1	17-FEB-2010 22:31:39	Dark	43.500	25	35Lam Sco	1.6200	28000.	87	41666	No
168	GOM_NL__2PRFIN20100217_223300_000000492087_00029_41666_5620.N1	17-FEB-2010 22:33:00	Dark	48.500	75	26Eps Sco	2.2910	4250.0	97	41666	No
169	GOM_NL__2PRFIN20100217_224218_000000442087_00030_41667_5616.N1	17-FEB-2010 22:42:18	Dark	43.500	4	Alp1Cen	-0.010000	5800.0	87	41667	No
170	GOM_NL__2PRFIN20100217_224337_000000442087_00030_41667_5617.N1	17-FEB-2010 22:43:37	Dark	43.500	10	Bet Cen	0.61000	28000.	87	41667	No
171	GOM_NL__2PRFIN20100217_224504_000000442087_00030_41667_5618.N1	17-FEB-2010 22:45:04	Dark	44.000	77	Eps Cen	2.3030	28000.	88	41667	No
172	GOM_NL__2PRFIN20100217_224637_000000402087_00030_41667_5619.N1	17-FEB-2010 22:46:37	Dark	40.000	12	Alp1Cru	0.77500	30000.	80	41667	No
173	GOM_NL__2PRFIN20100217_224826_000000462087_00030_41667_5620.N1	17-FEB-2010 22:48:26	Dark	45.500	64	Gam Cen	2.2000	10600.	91	41667	No
174	GOM_NL__2PRFIN20100217_225220_000000412087_00030_41667_5621.N1	17-FEB-2010 22:52:20	Dark	41.000	113	Mu Vel	2.6920	5000.0	82	41667	No
175	GOM_NL__2PRFIN20100217_230543_000000472087_00030_41667_5622.N1	17-FEB-2010 23:05:43	Straylight	46.500	48	30Alp Hya	1.9770	4100.0	93	41667	No
176	GOM_NL__2PRFIN20100217_233548_000000422087_00030_41667_5623.N1	17-FEB-2010 23:35:48	Bright	41.500	60	7Bet UMi	2.0810	3950.0	83	41667	No
177	GOM_NL__2PRFIN20100217_234432_000000432087_00030_41667_5624.N1	17-FEB-2010 23:44:32	Bright	43.000	130	23Bet Dra	2.7990	5800.0	86	41667	No
178	GOM_NL__2PRFIN20100217_234854_000000392087_00030_41667_5625.N1	17-FEB-2010 23:48:54	Bright	39.000	5	3Alp Lyr	0.033000	11000.	78	41667	No

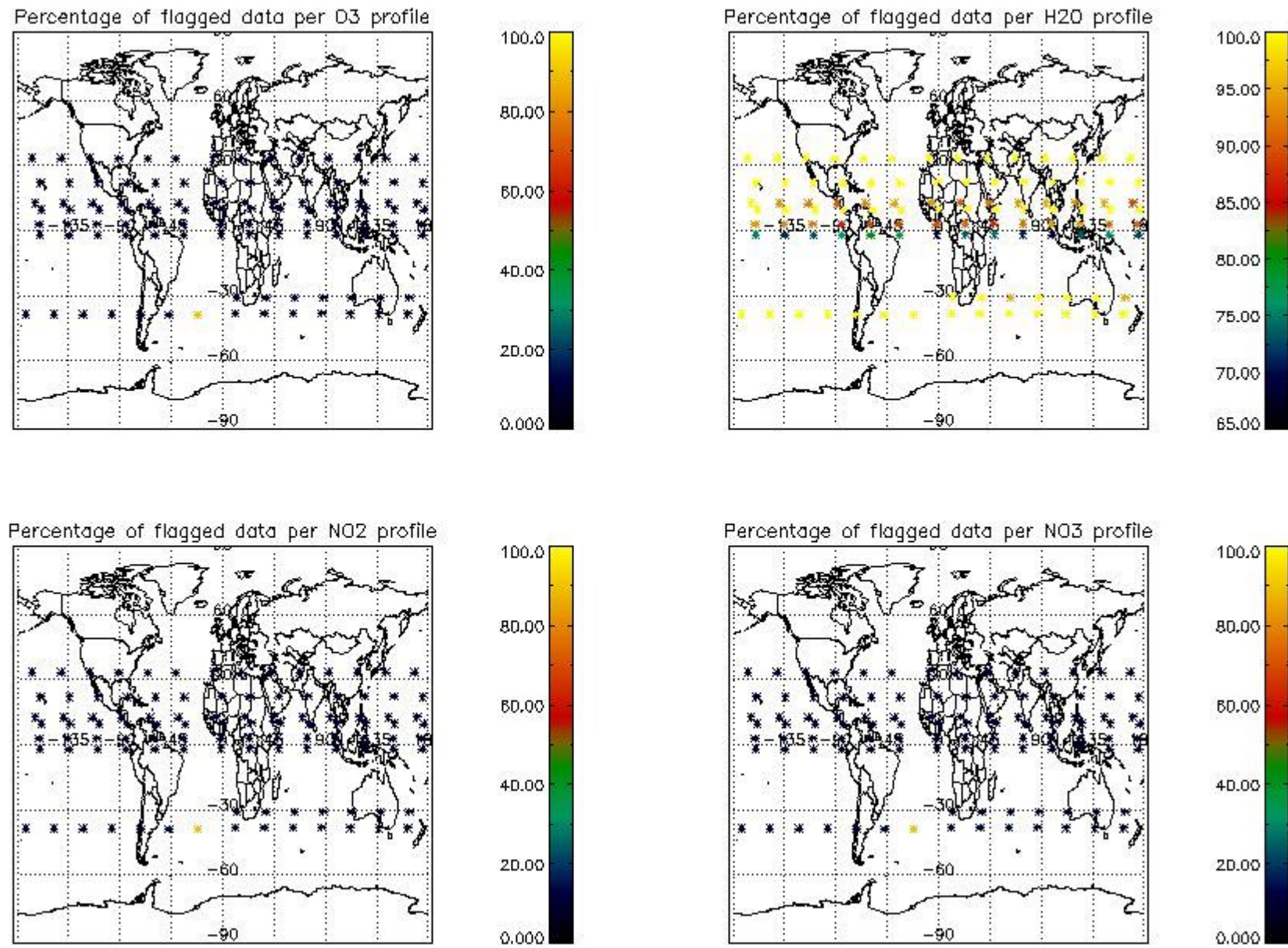
3. Quality information per product

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)

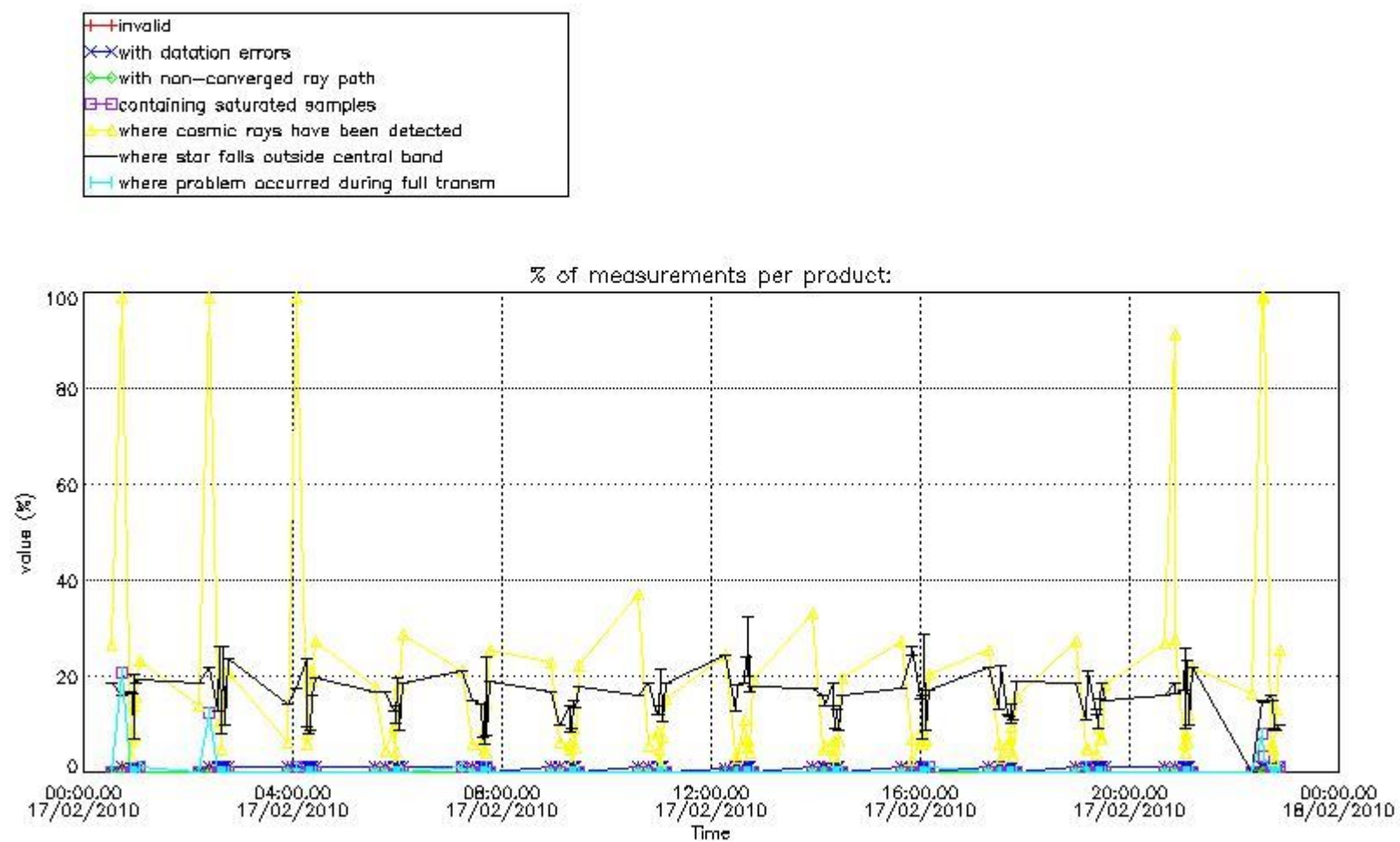


4. Level 1 quality information per product

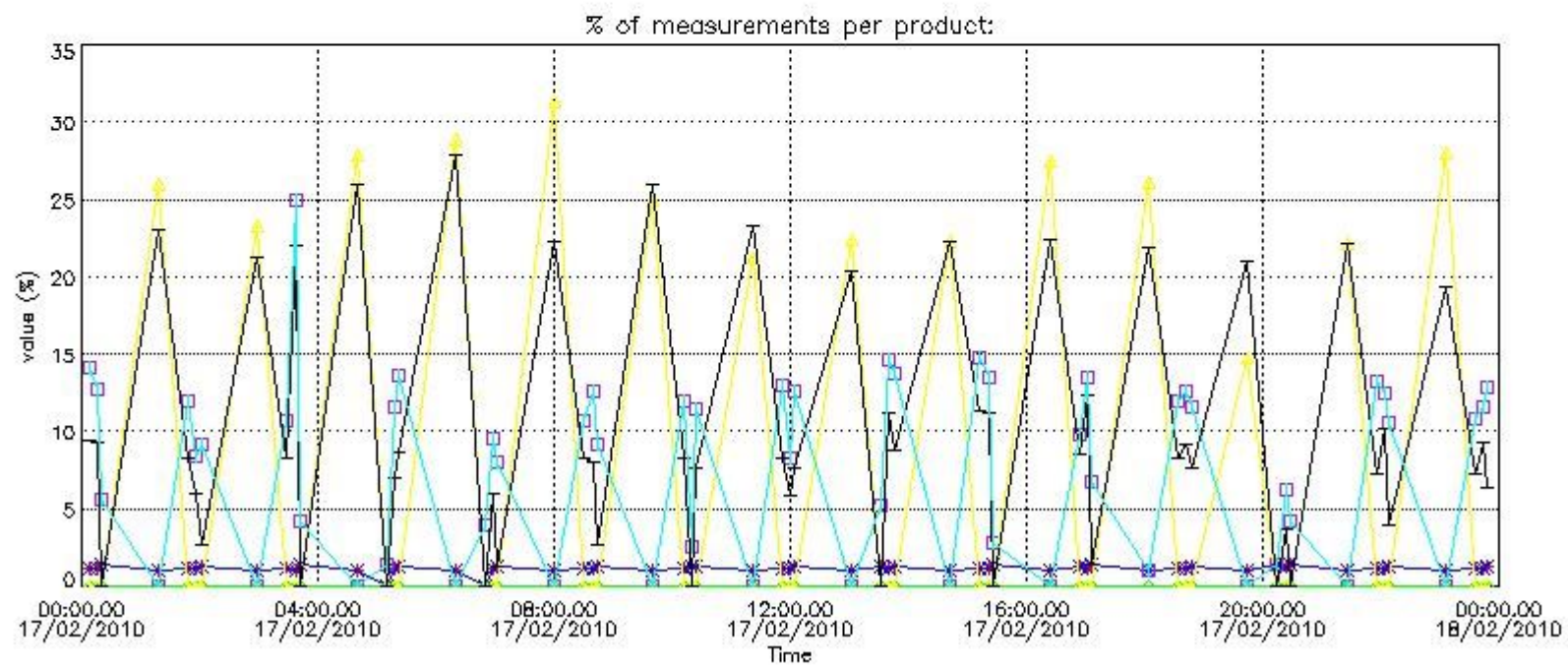
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



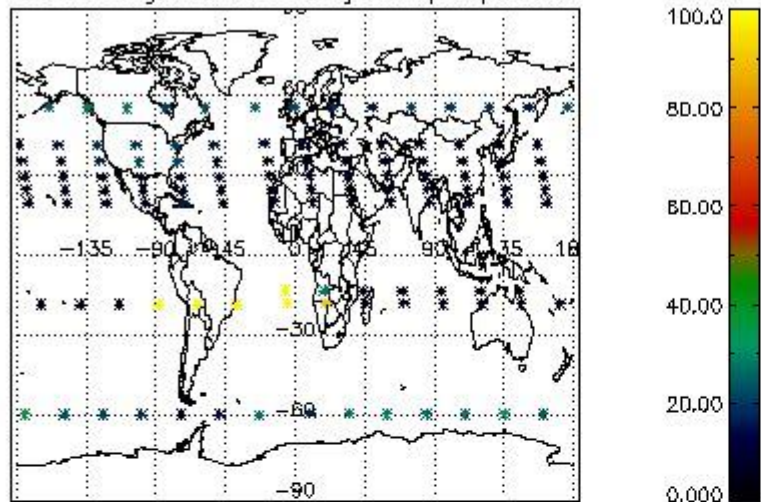
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



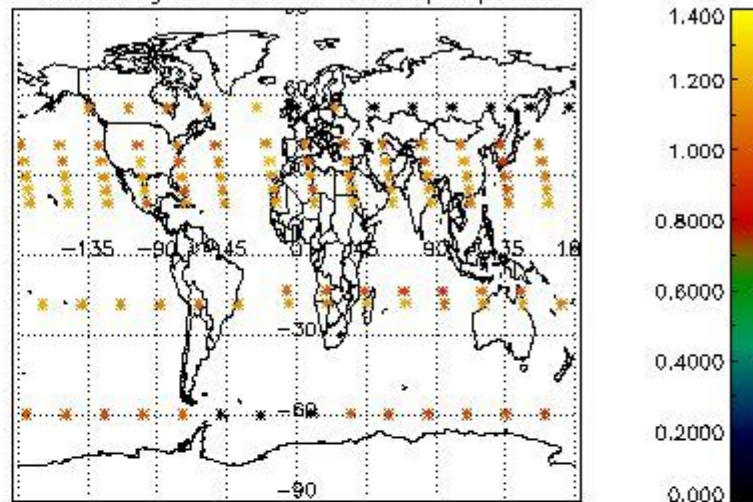
4.2 Plot quality information per product coming from level 1b processing (world map)

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

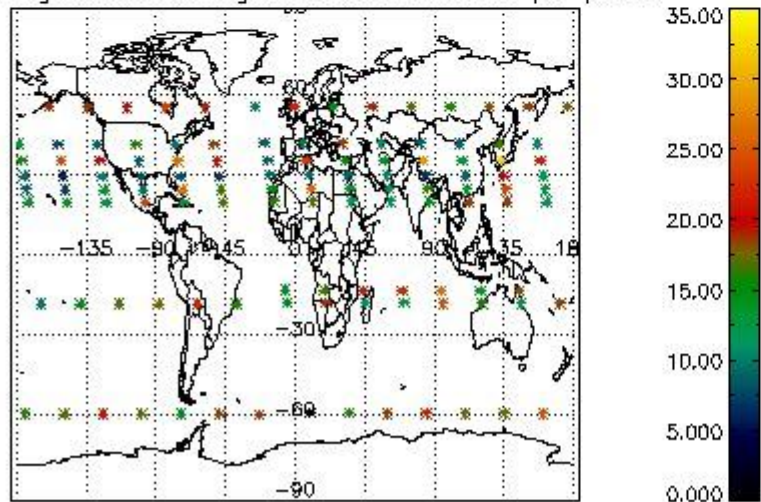
Percentage of cosmic ray hits per profile



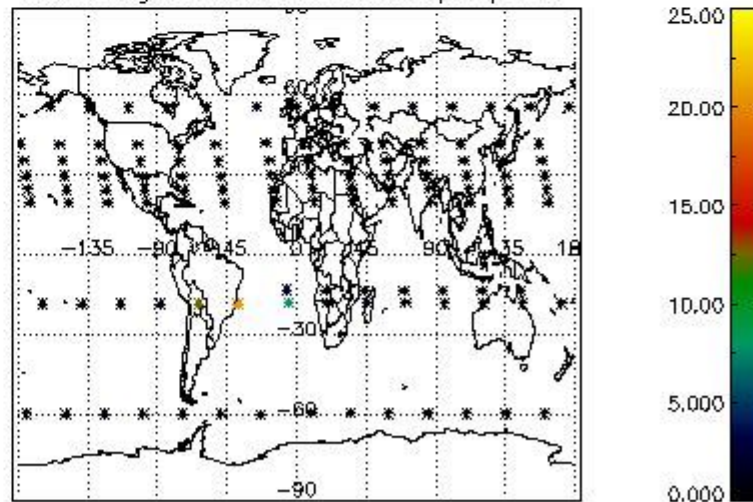
Percentage of datation errors per profile



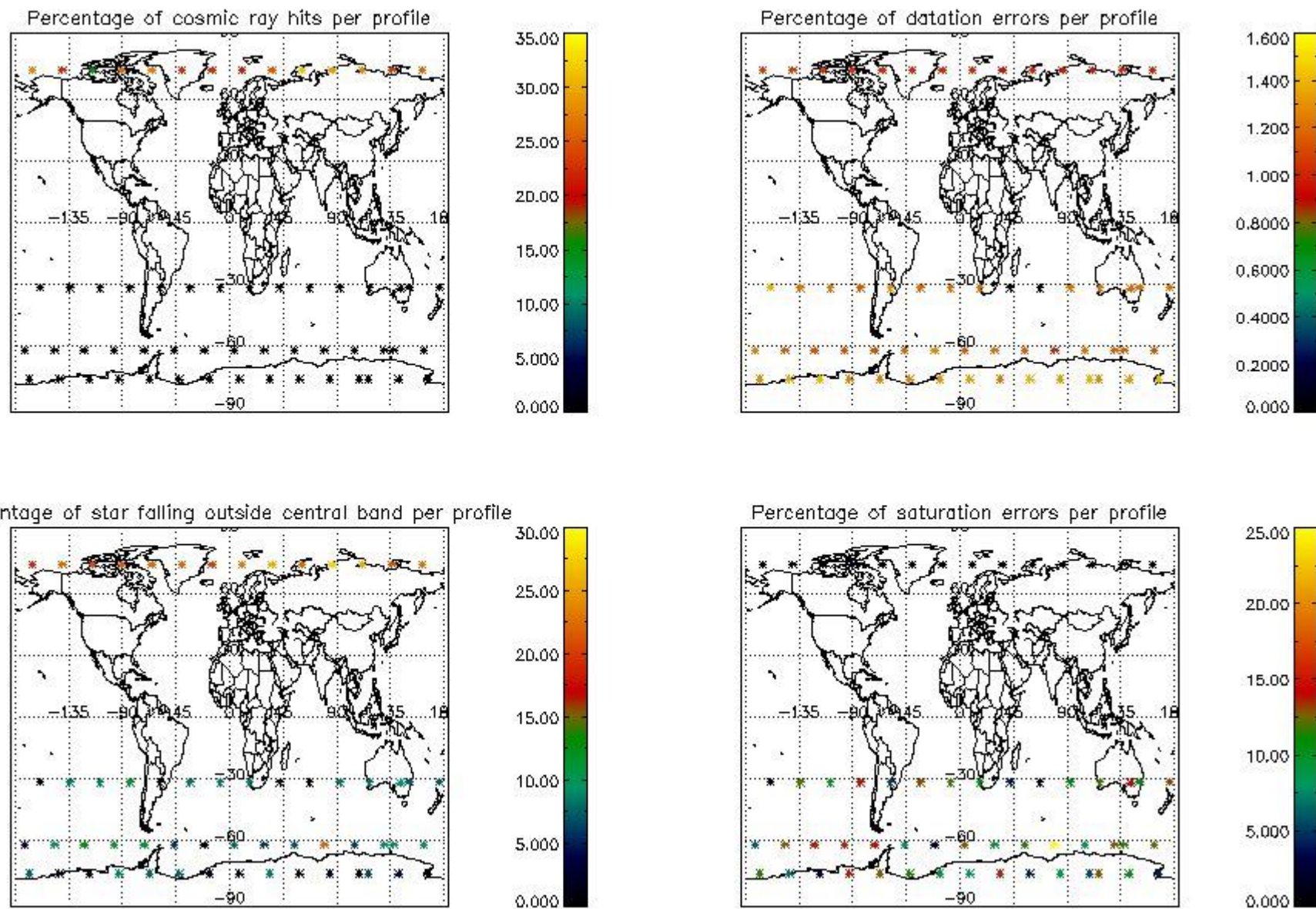
Percentage of star falling outside central band per profile



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

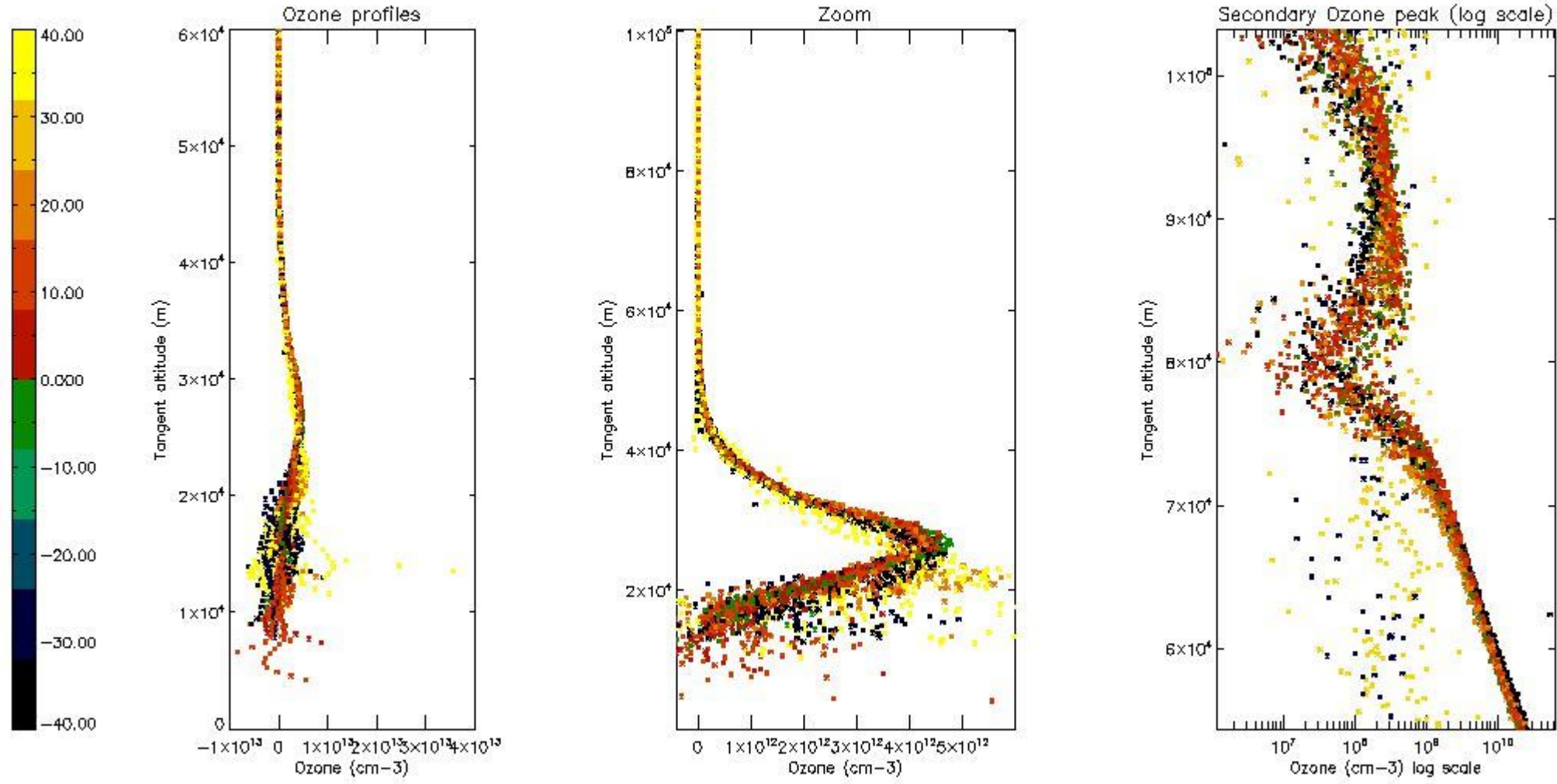
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	60
STD < 20	34

STD < 10	28
STD < 5	21

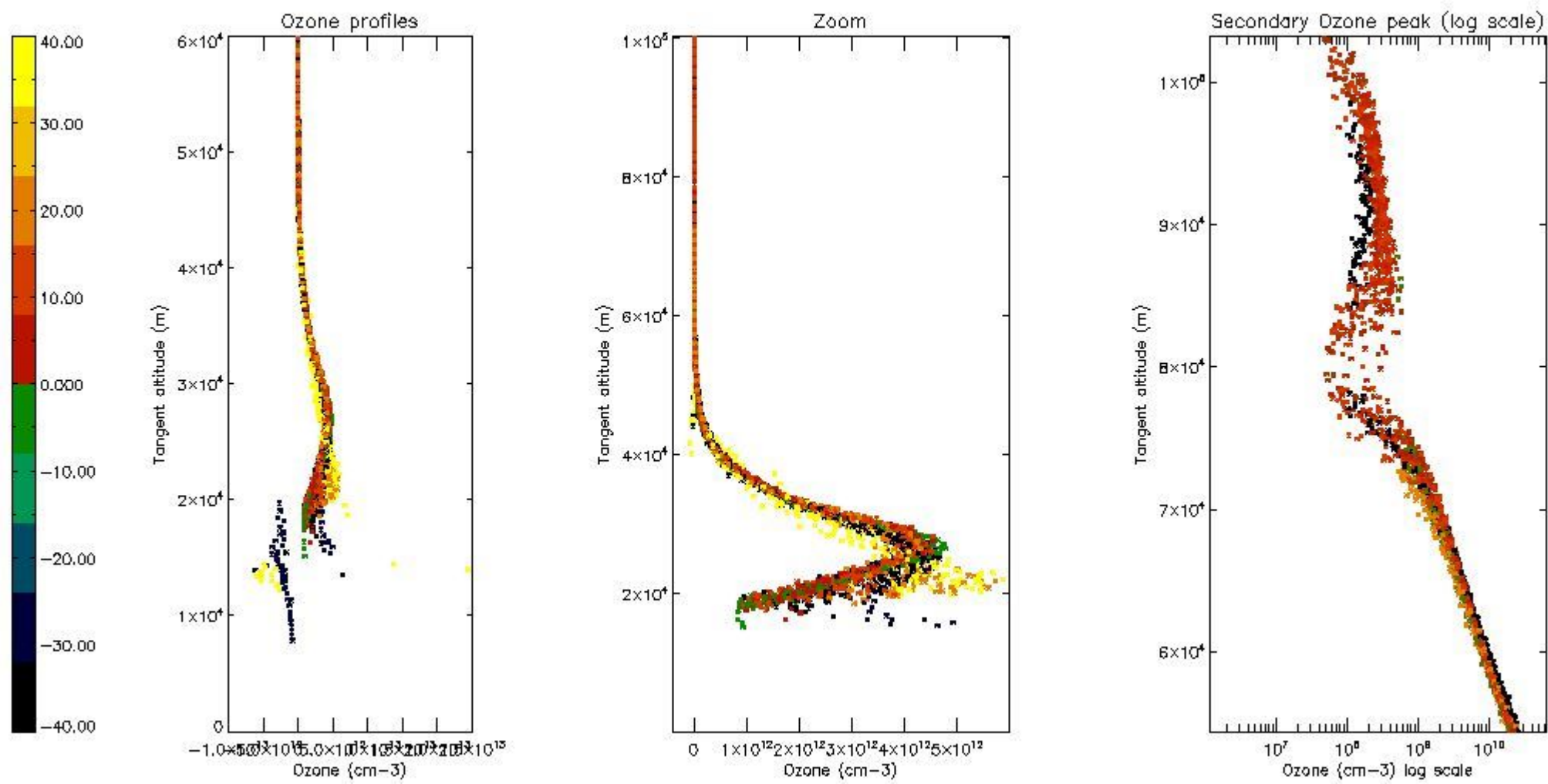
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



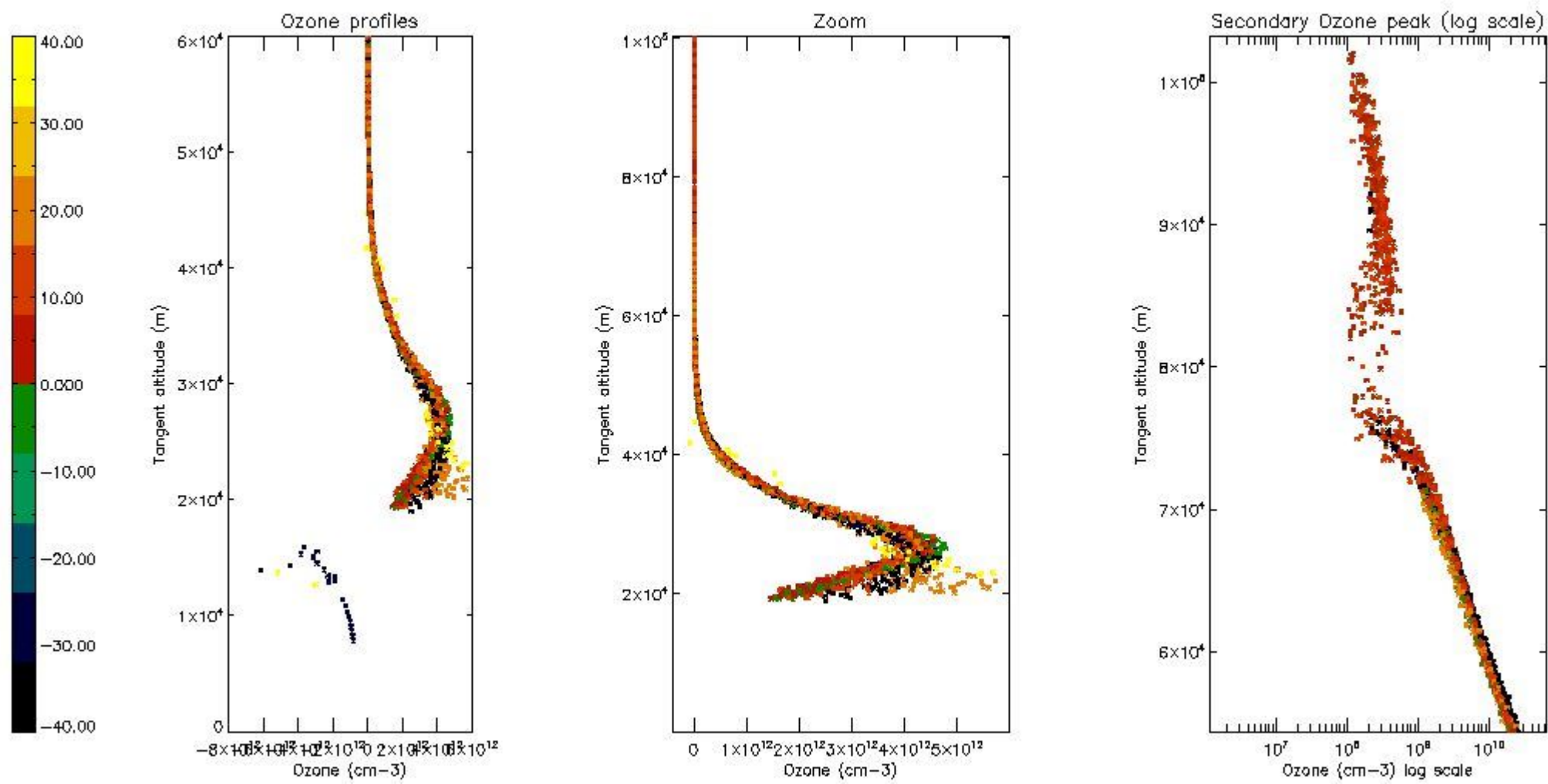
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



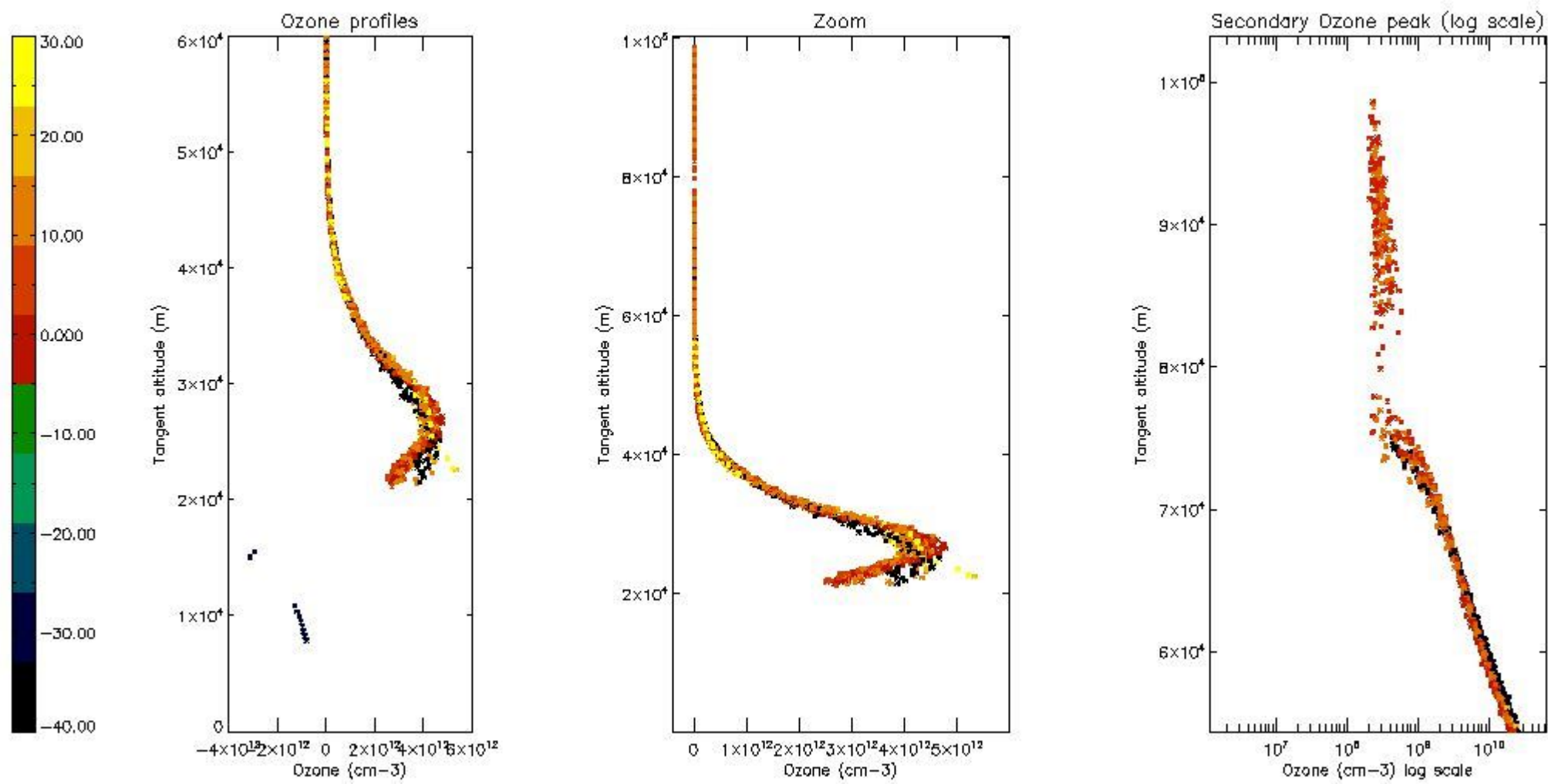
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



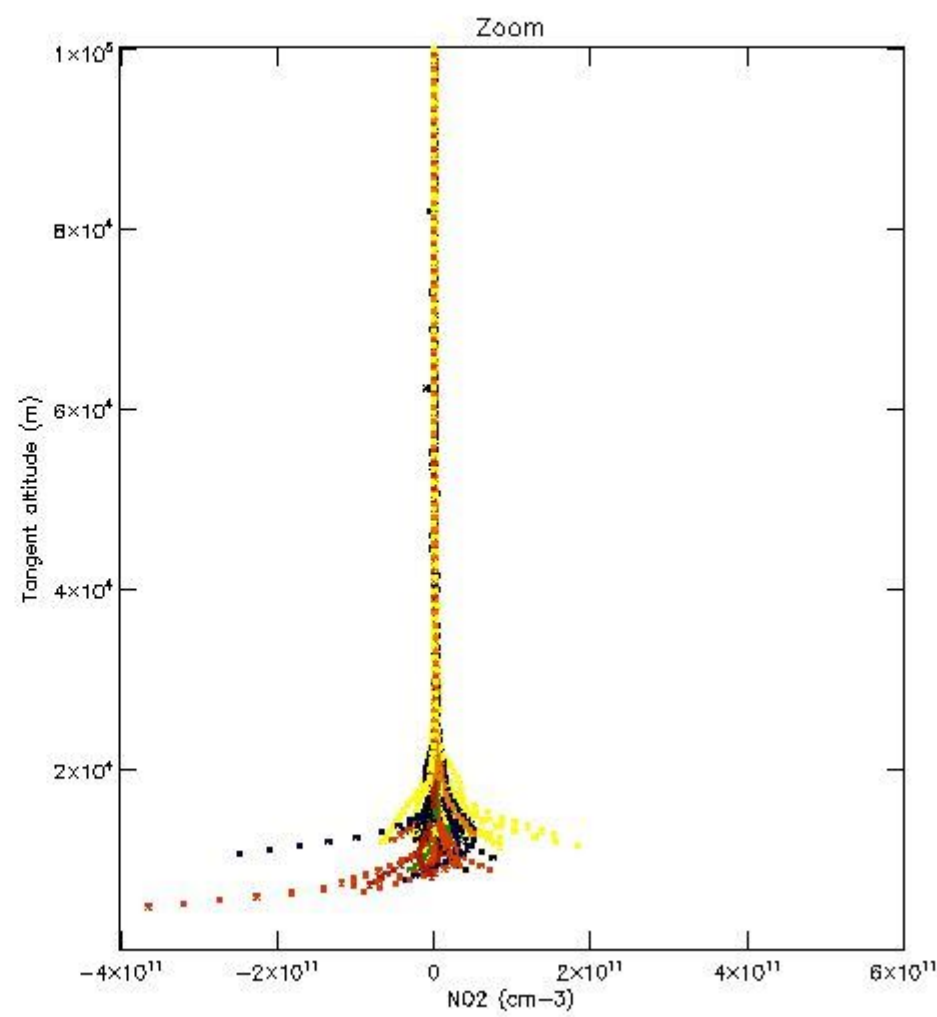
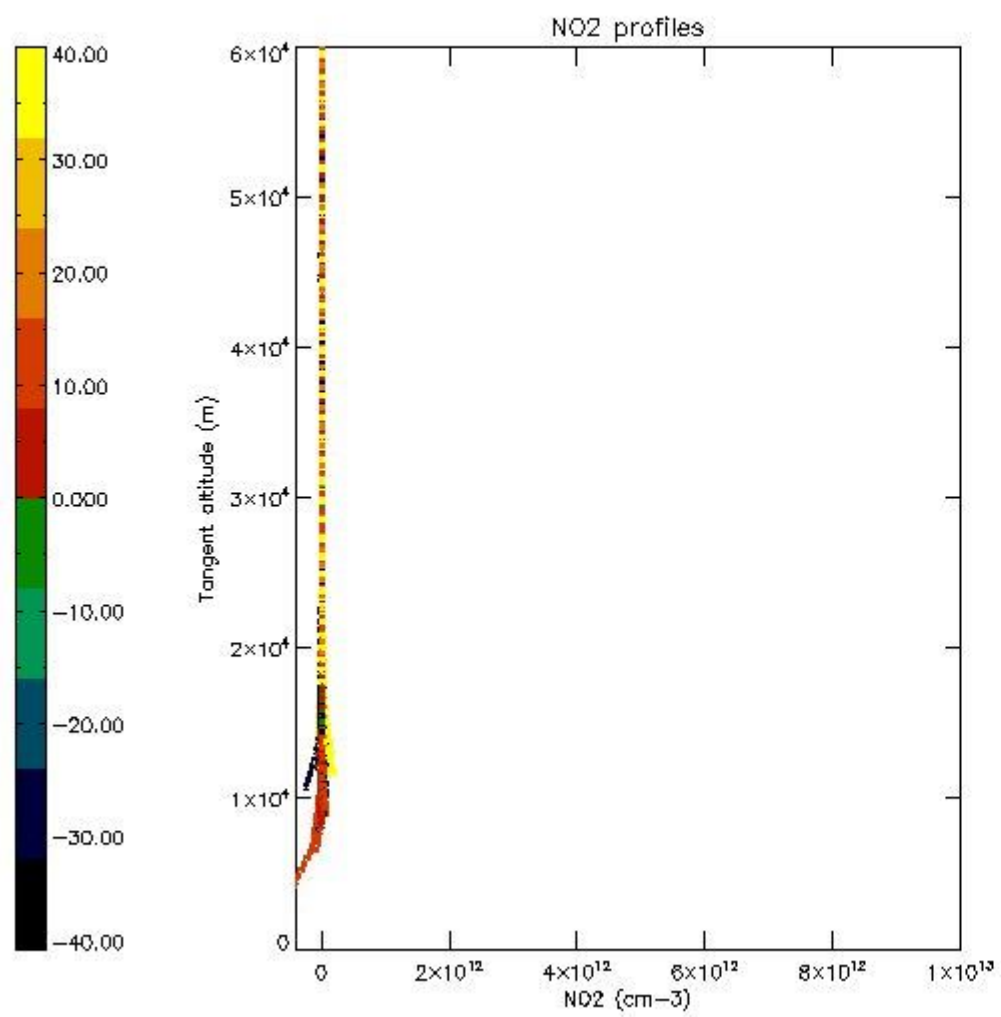
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



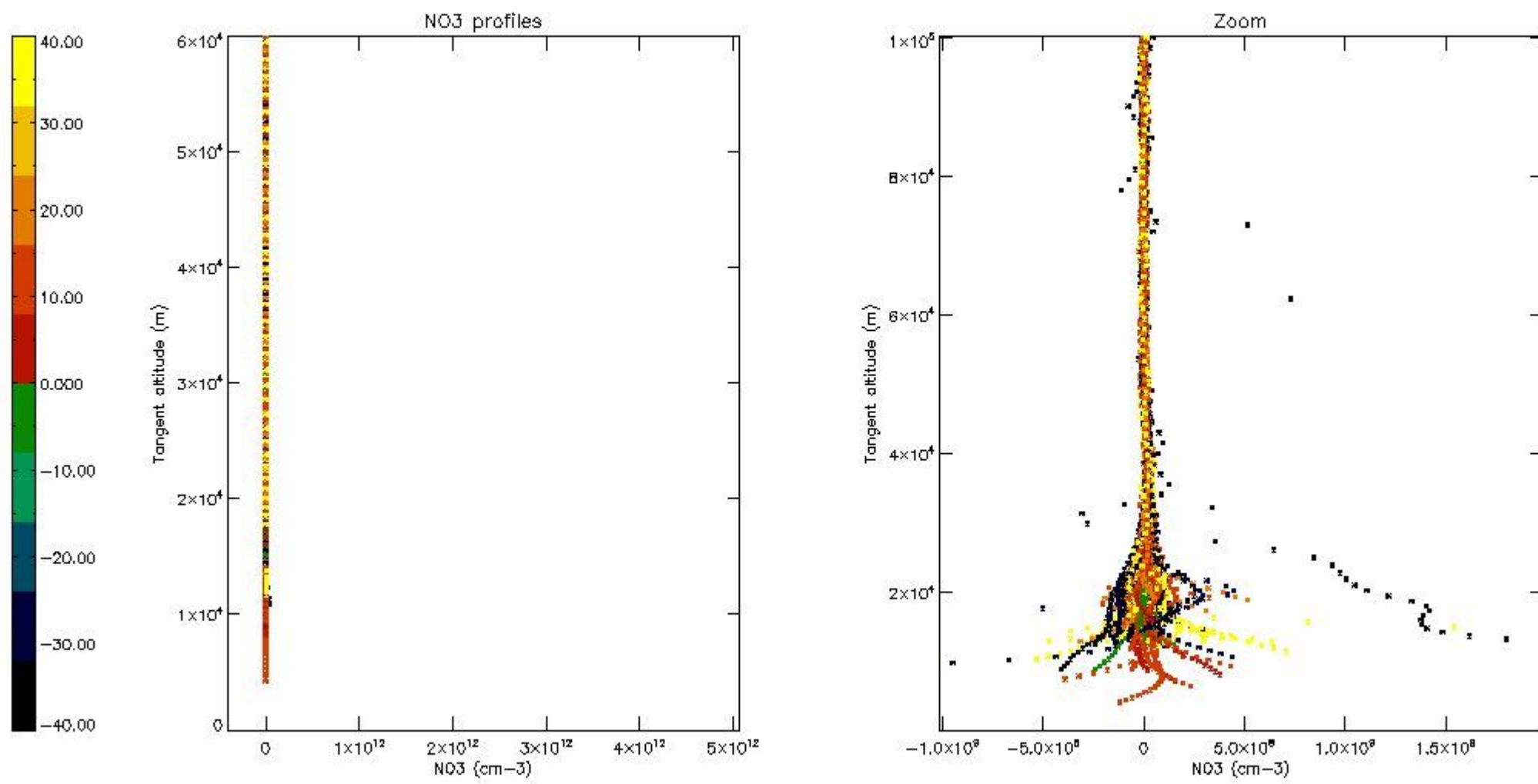
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



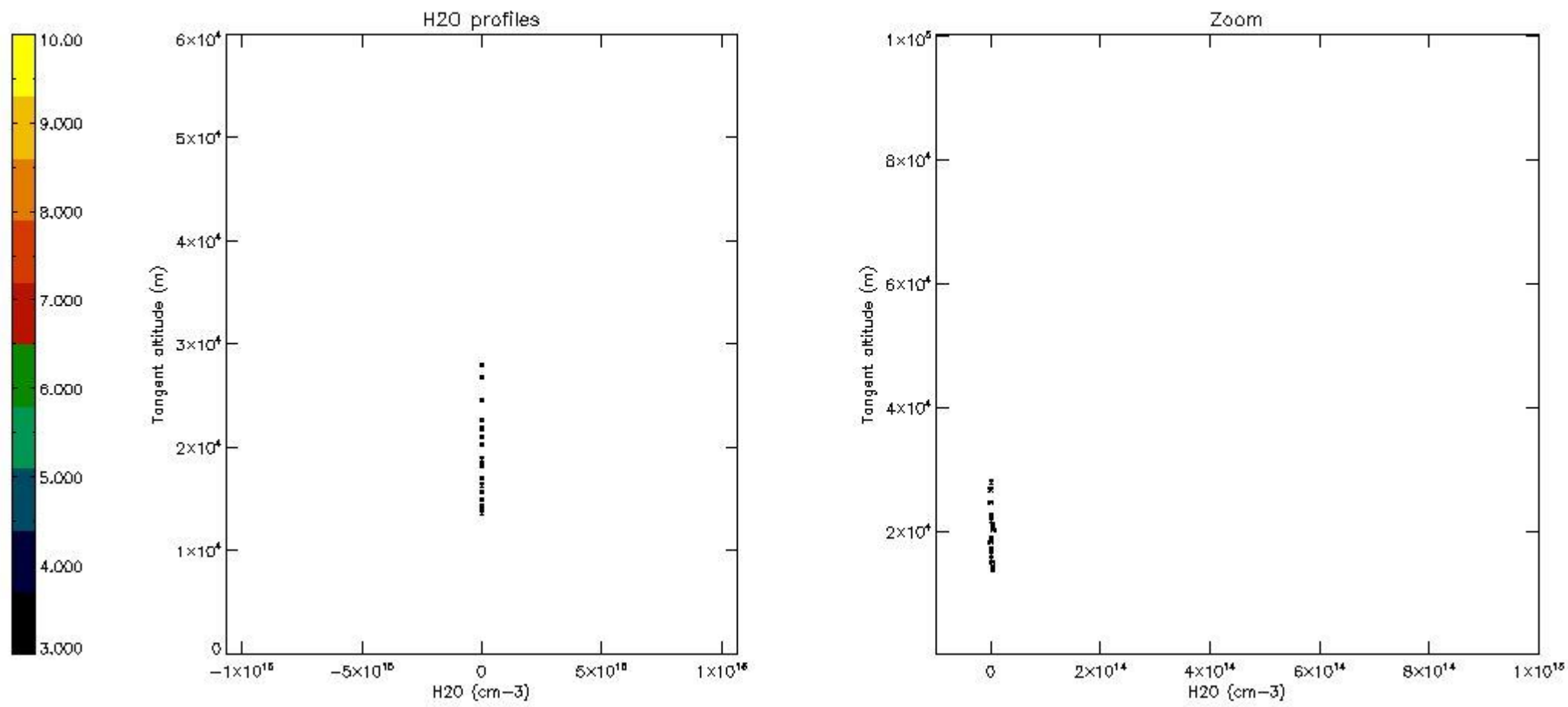
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



5.8 Plot H₂O profiles for all STD (only for occultations of stars 1,2,3,4,13,14,16,26,63 dark without errors)

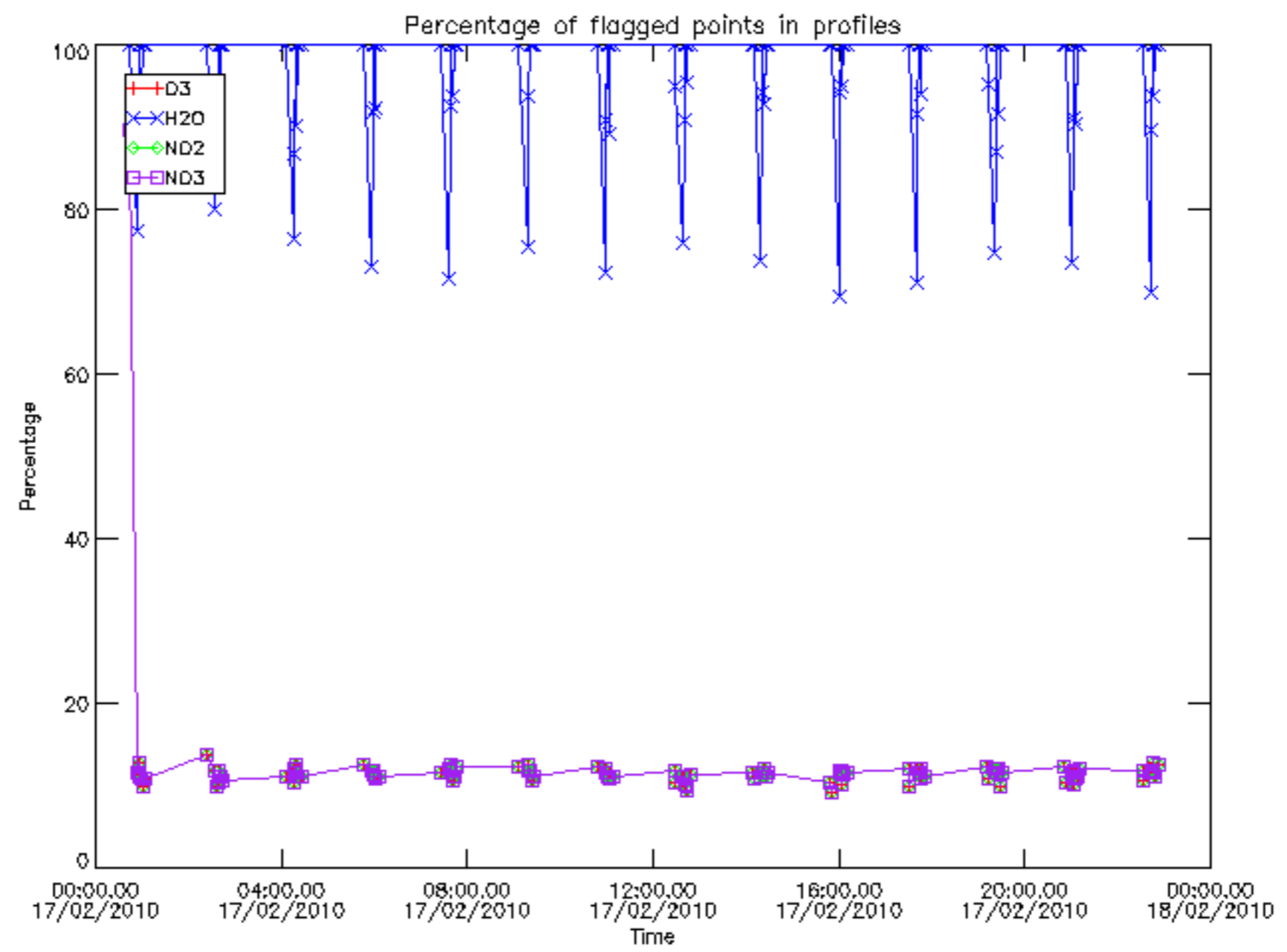
The colorbar represents the latitude.



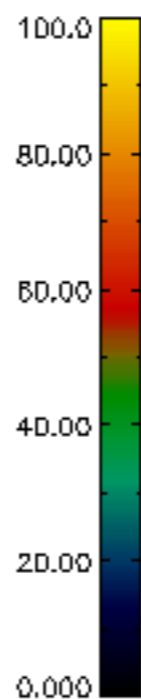
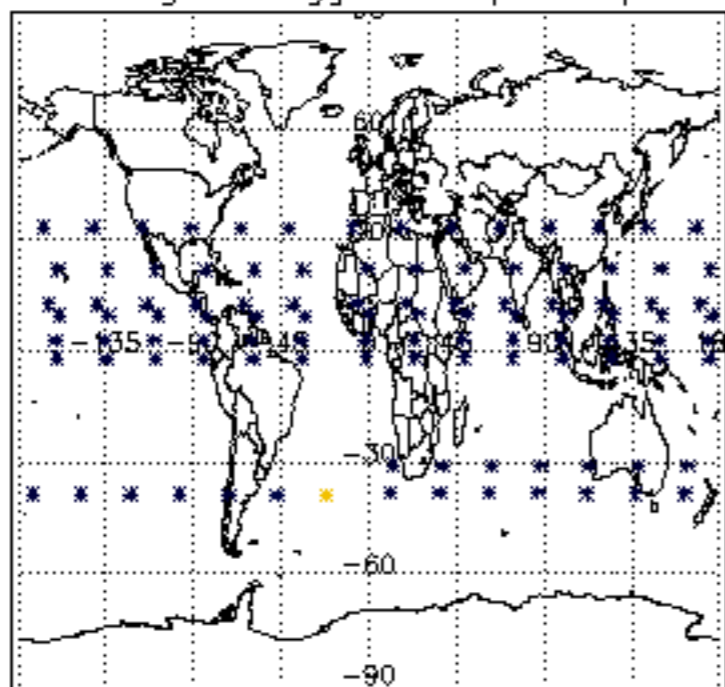
6. Auxiliary Data Files used for the production reported in section 2

The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

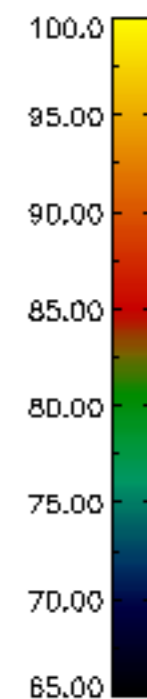
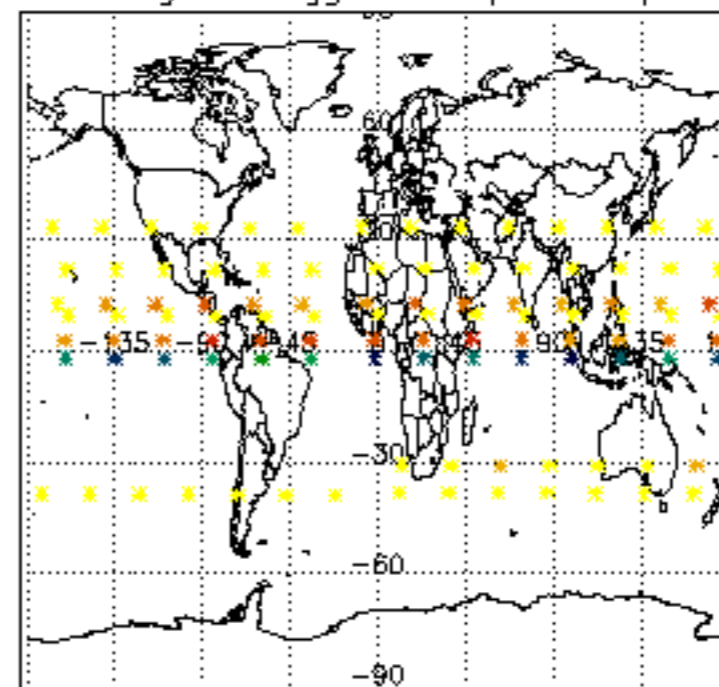
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	17-FEB-2010 00:07:29
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	17-FEB-2010 00:07:29
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	17-FEB-2010 00:07:29



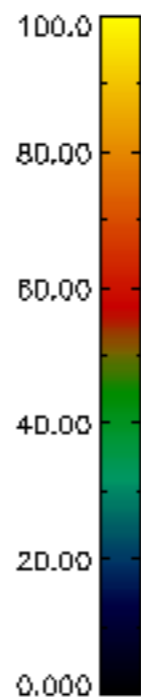
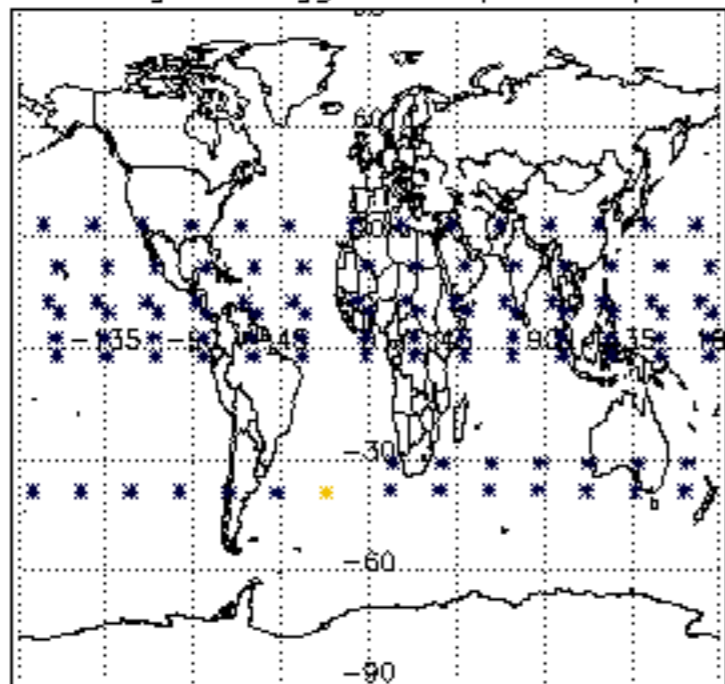
Percentage of flagged data per D3 profile



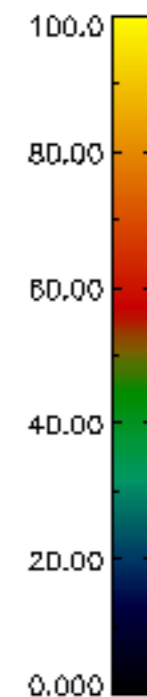
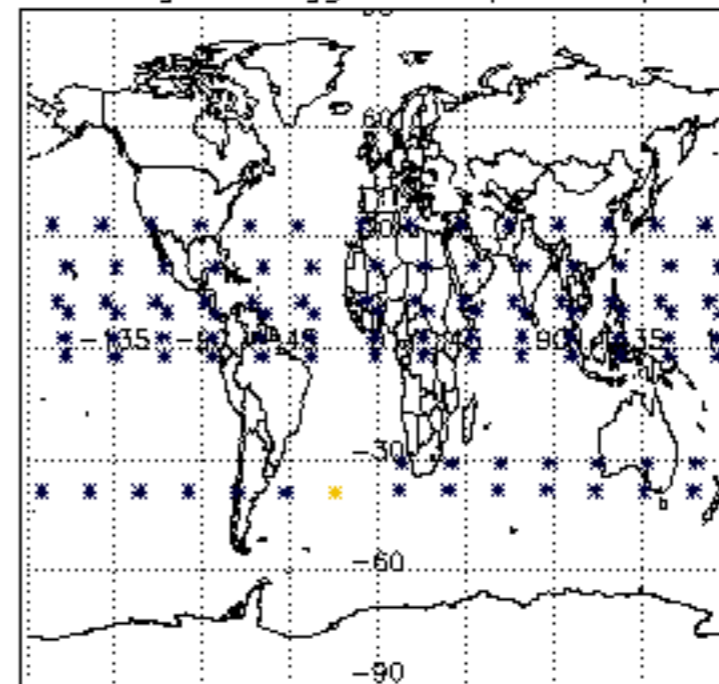
Percentage of flagged data per H2O profile

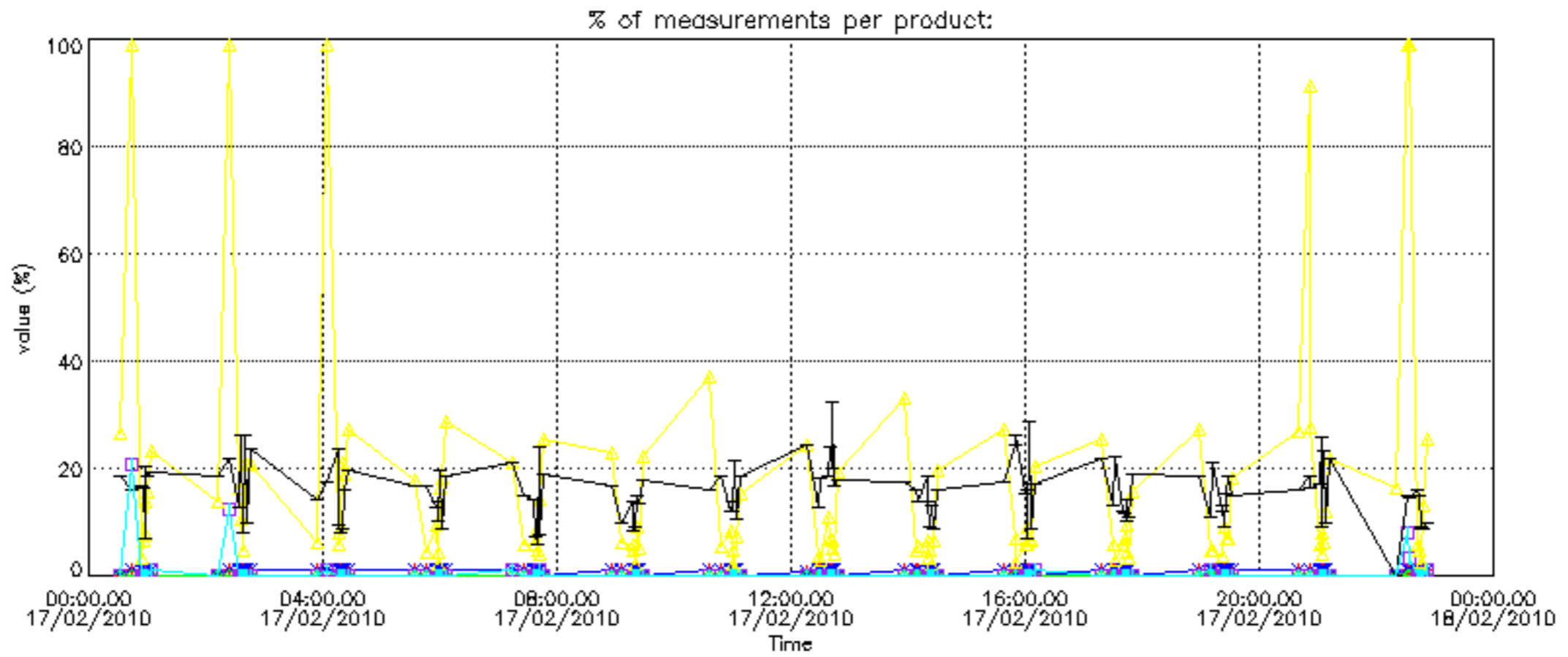


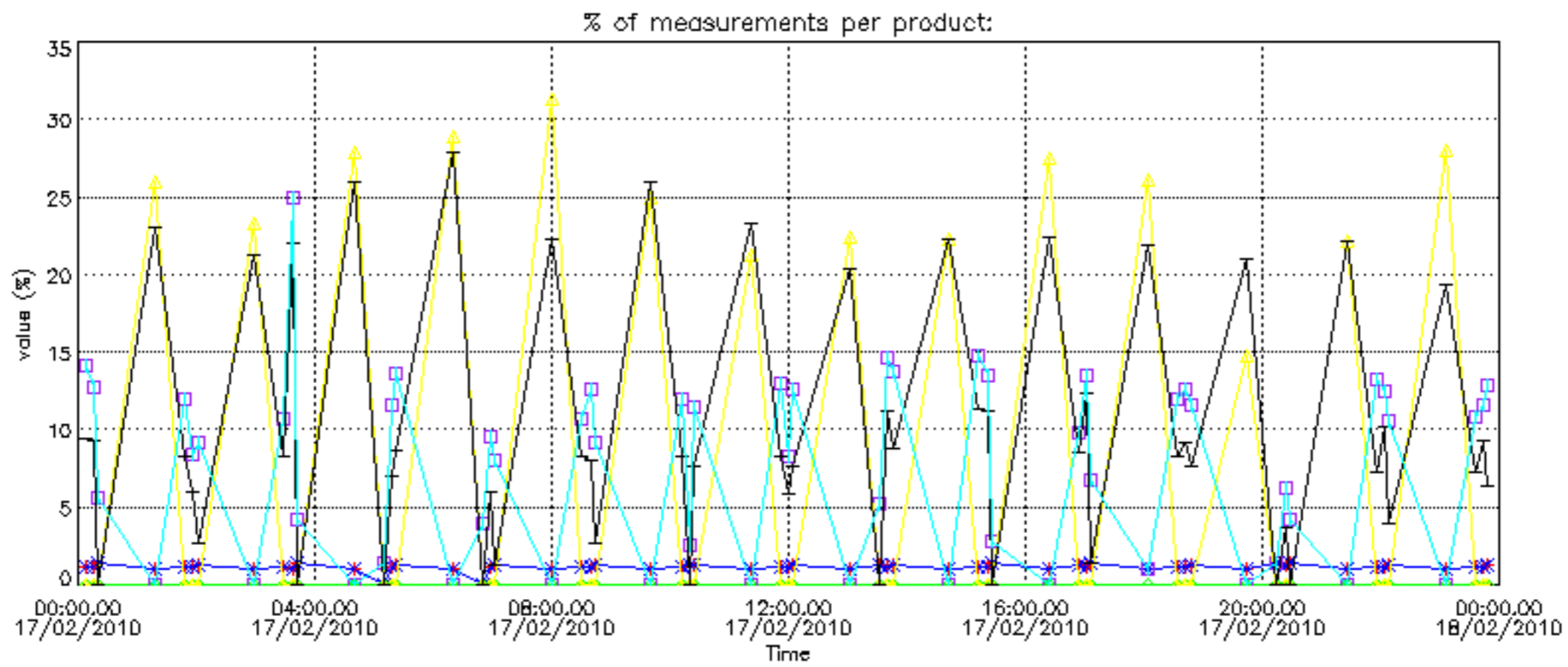
Percentage of flagged data per NO2 profile



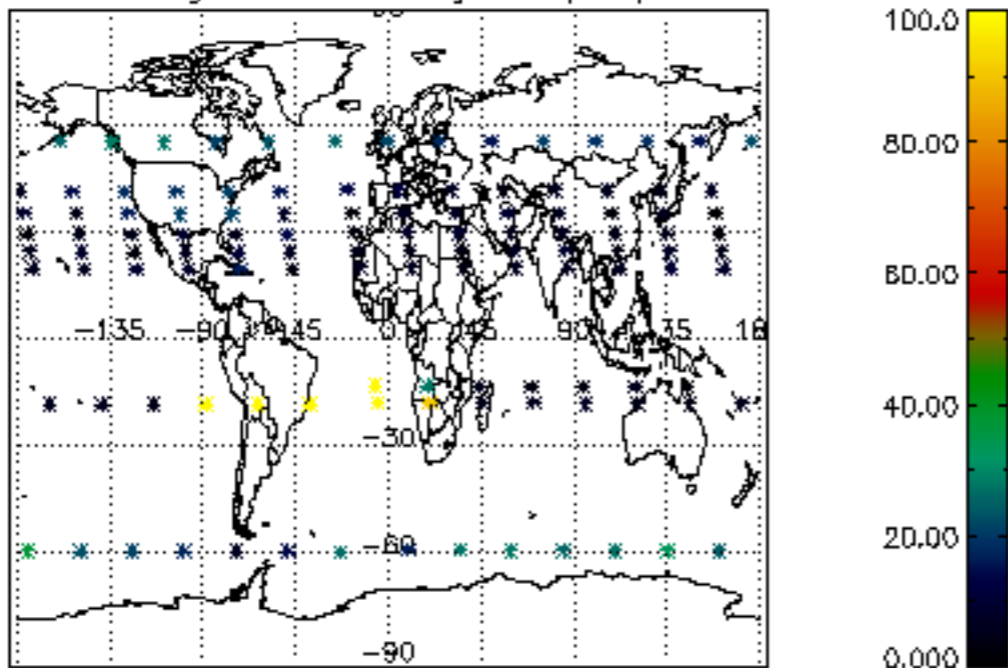
Percentage of flagged data per NO3 profile



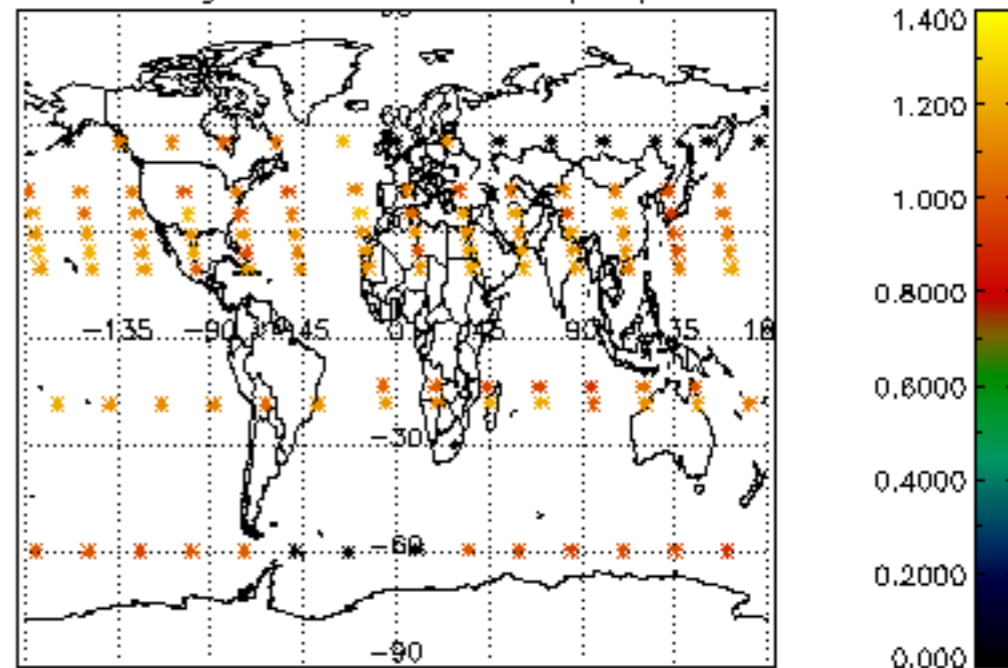




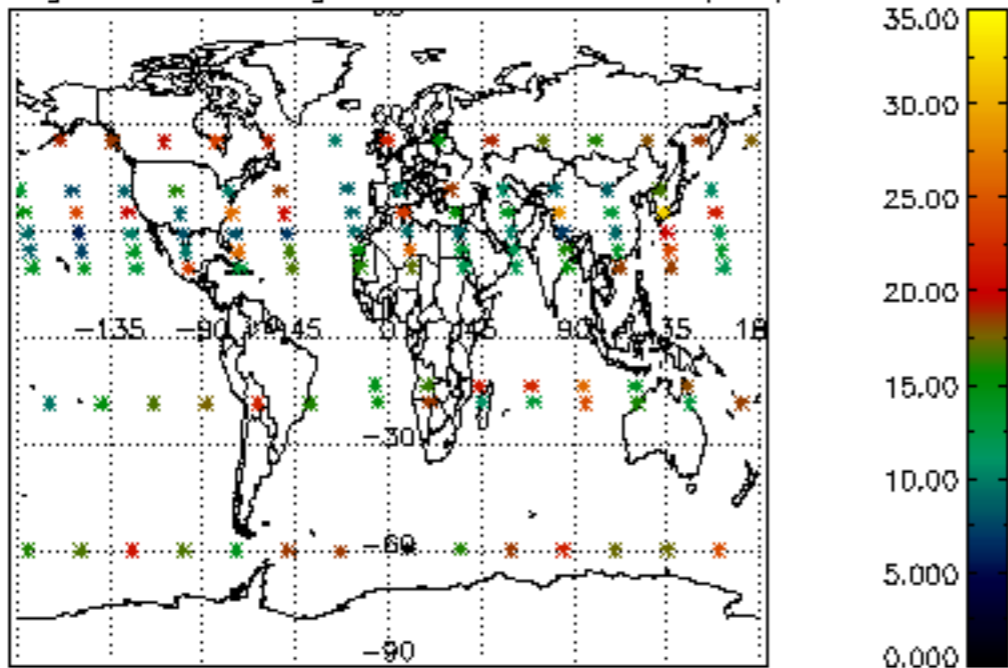
Percentage of cosmic ray hits per profile



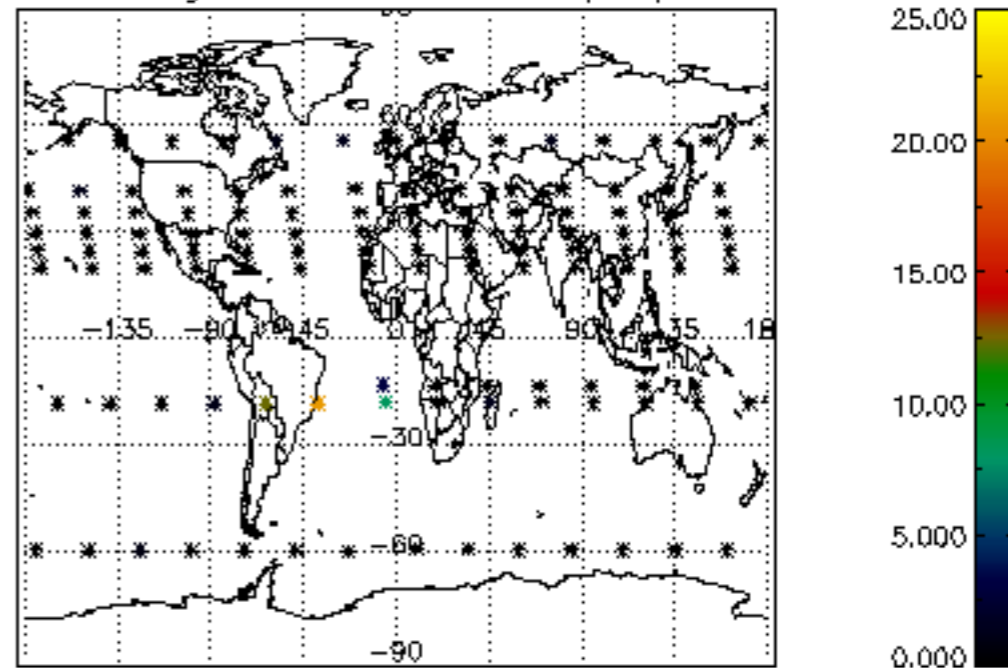
Percentage of datation errors per profile



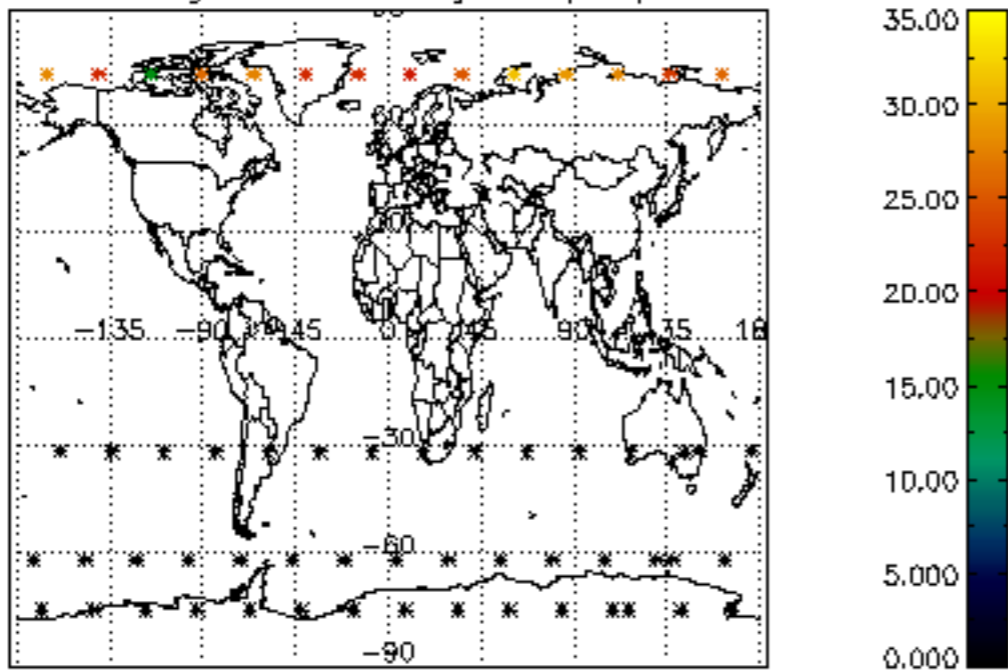
Percentage of star falling outside central band per profile



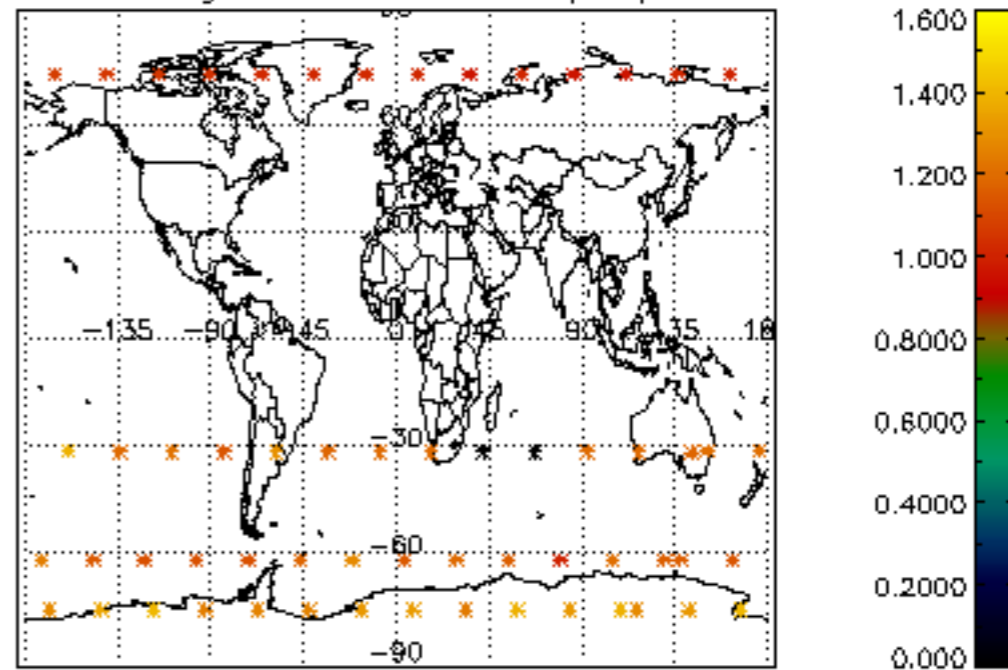
Percentage of saturation errors per profile



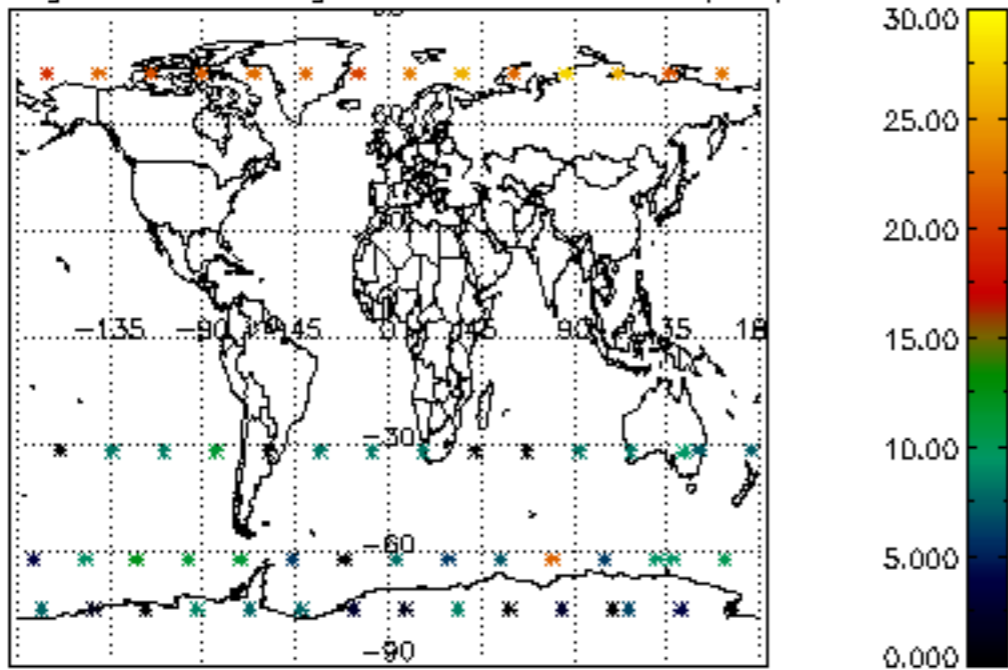
Percentage of cosmic ray hits per profile



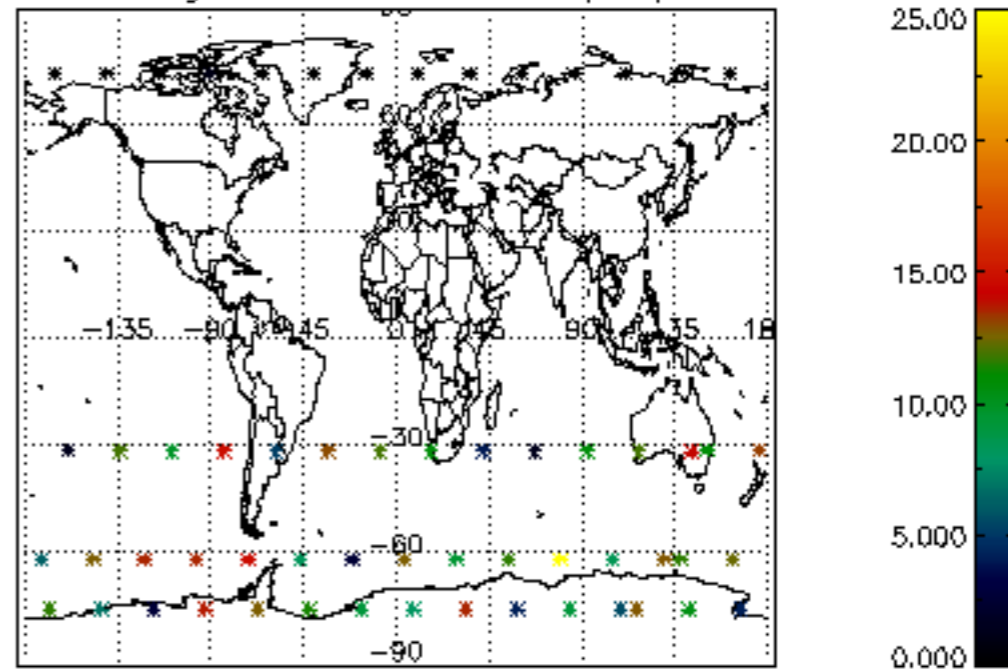
Percentage of datation errors per profile

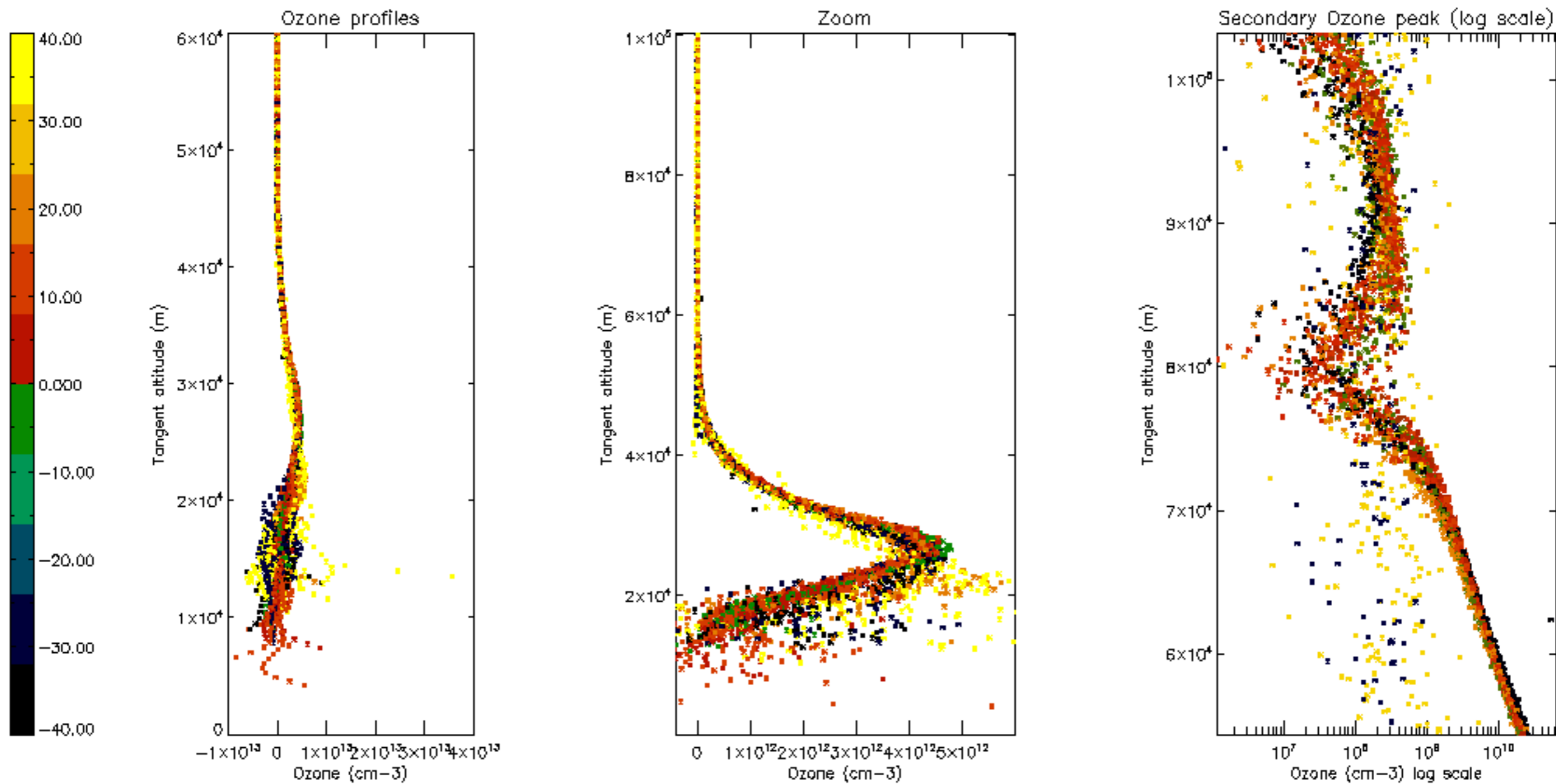


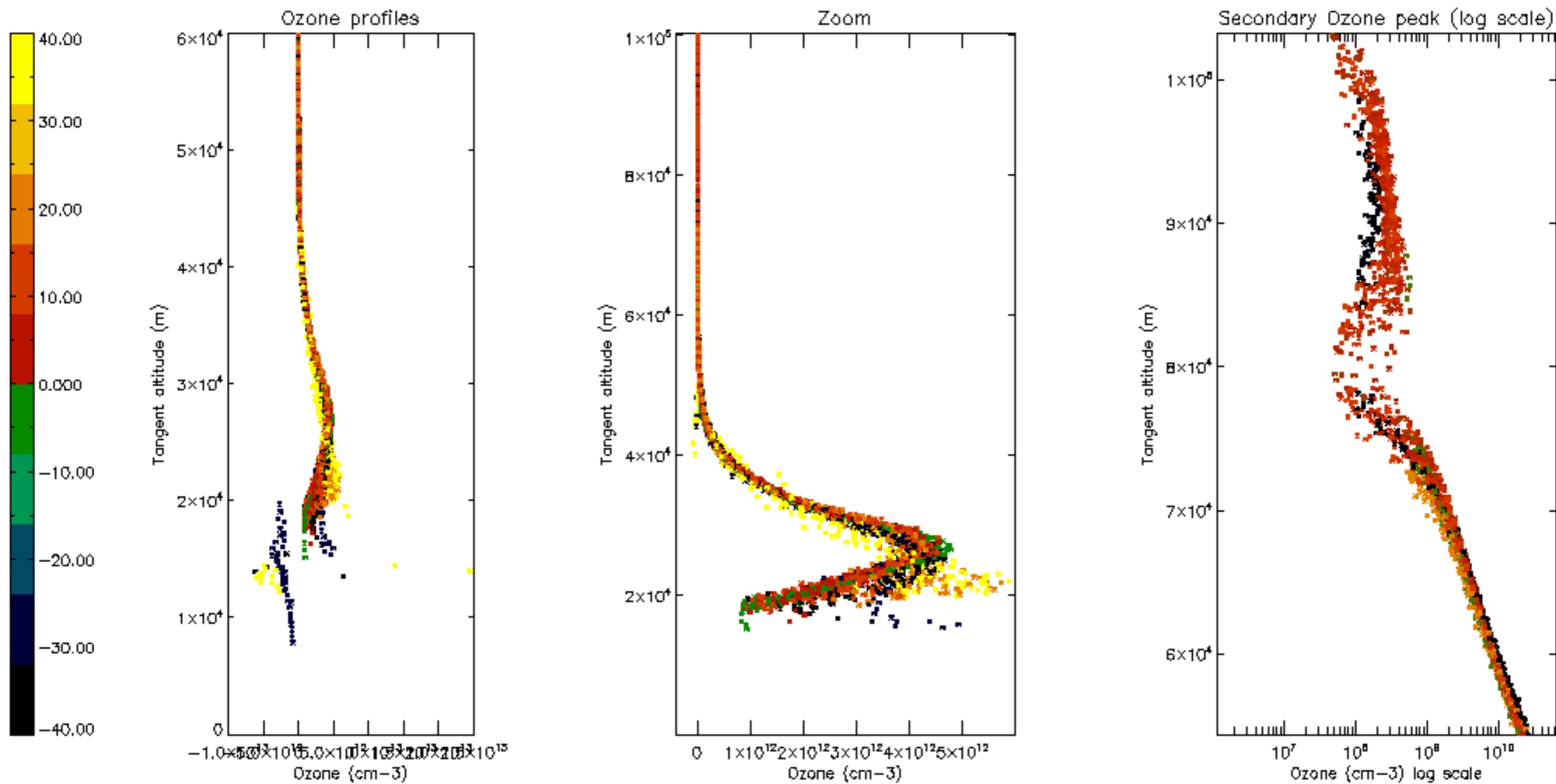
Percentage of star falling outside central band per profile

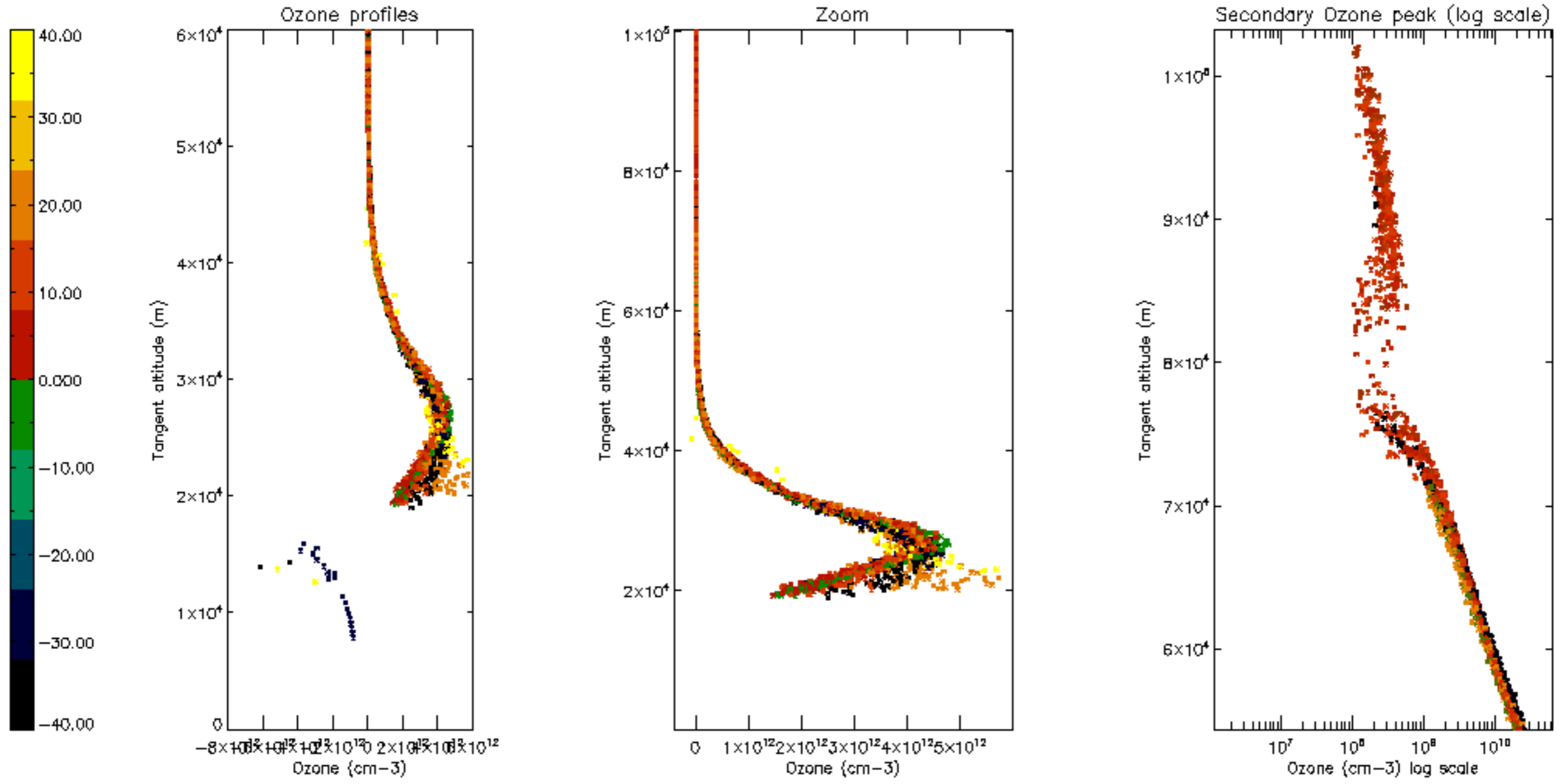


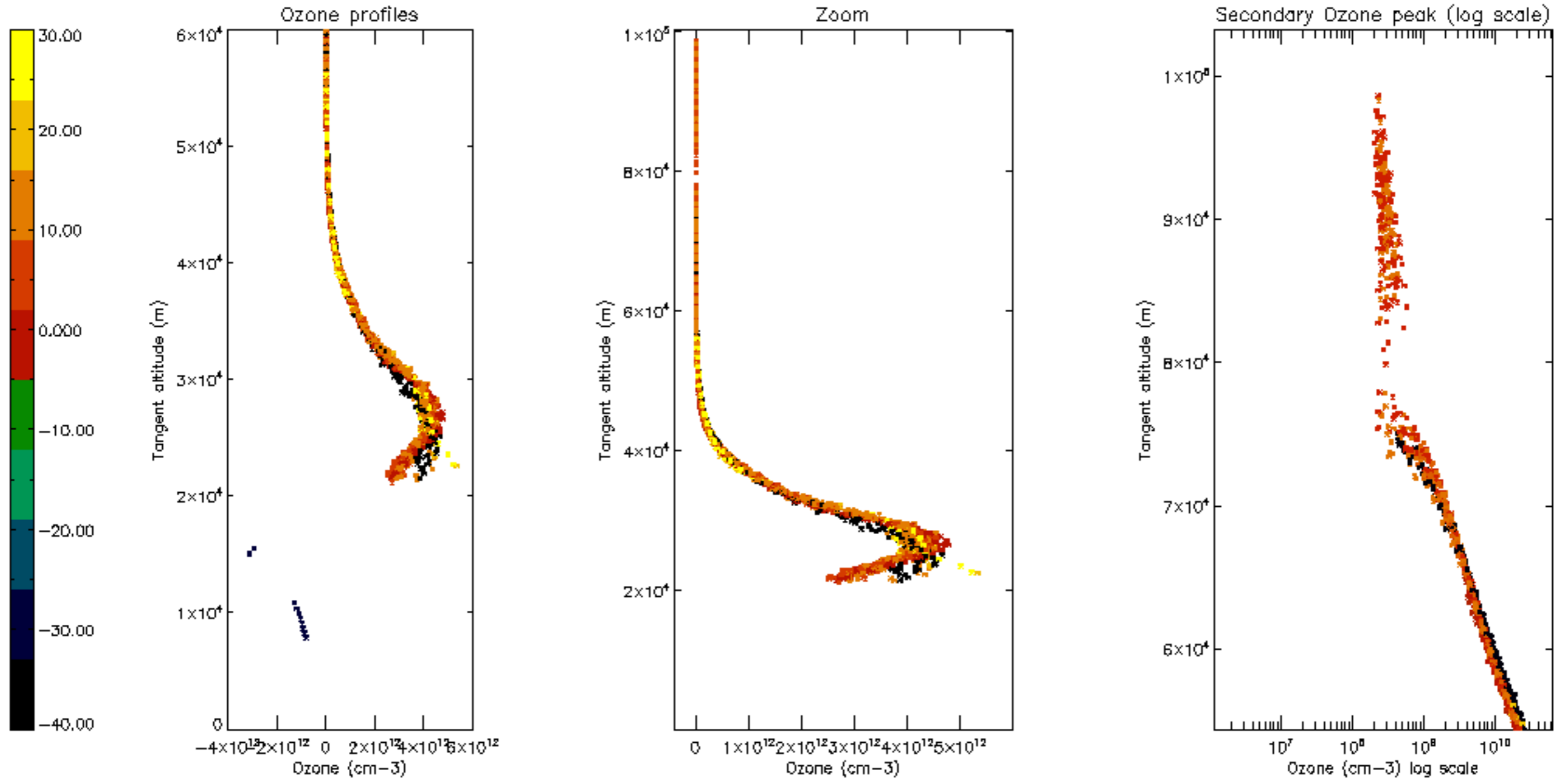
Percentage of saturation errors per profile

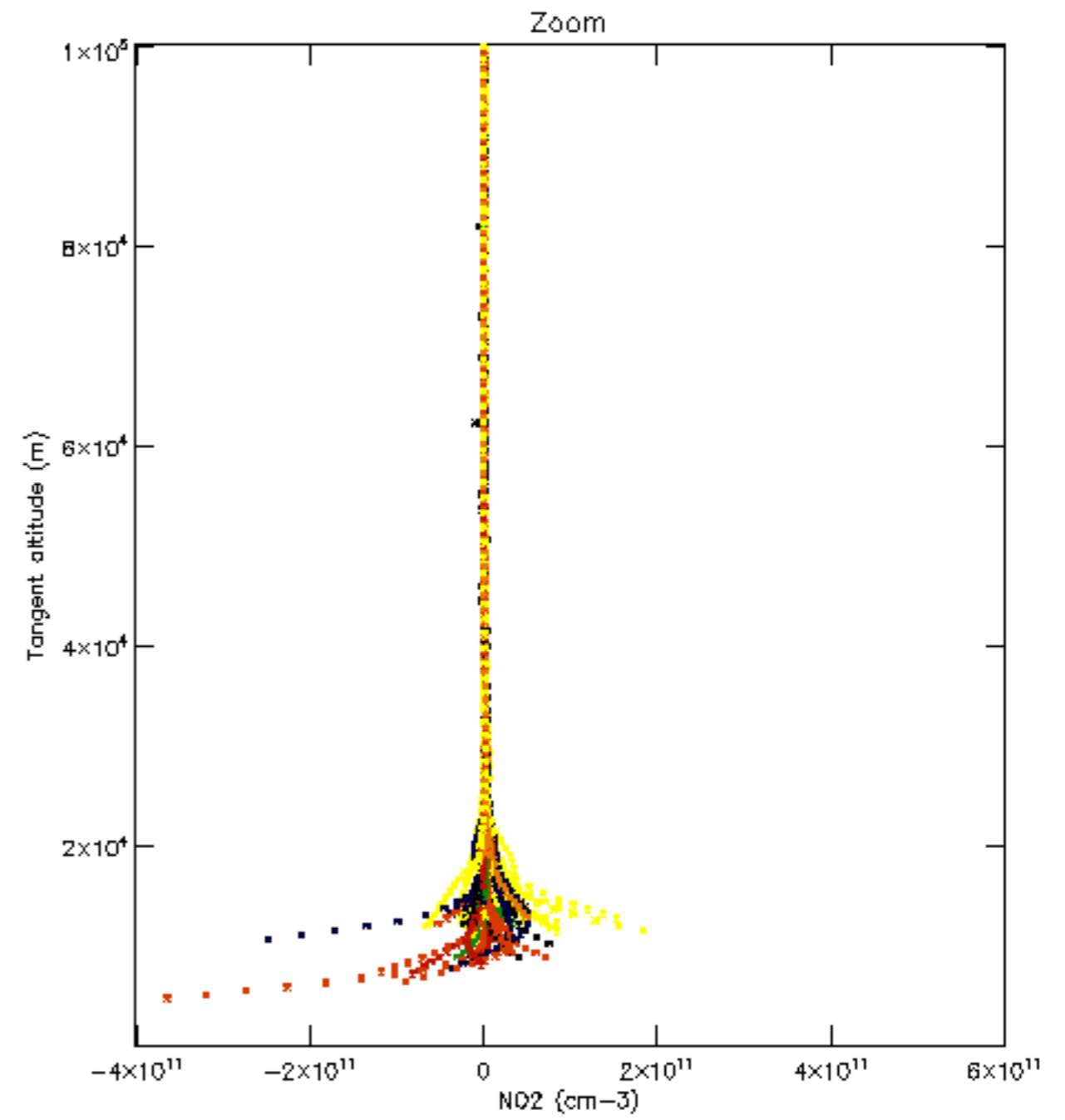
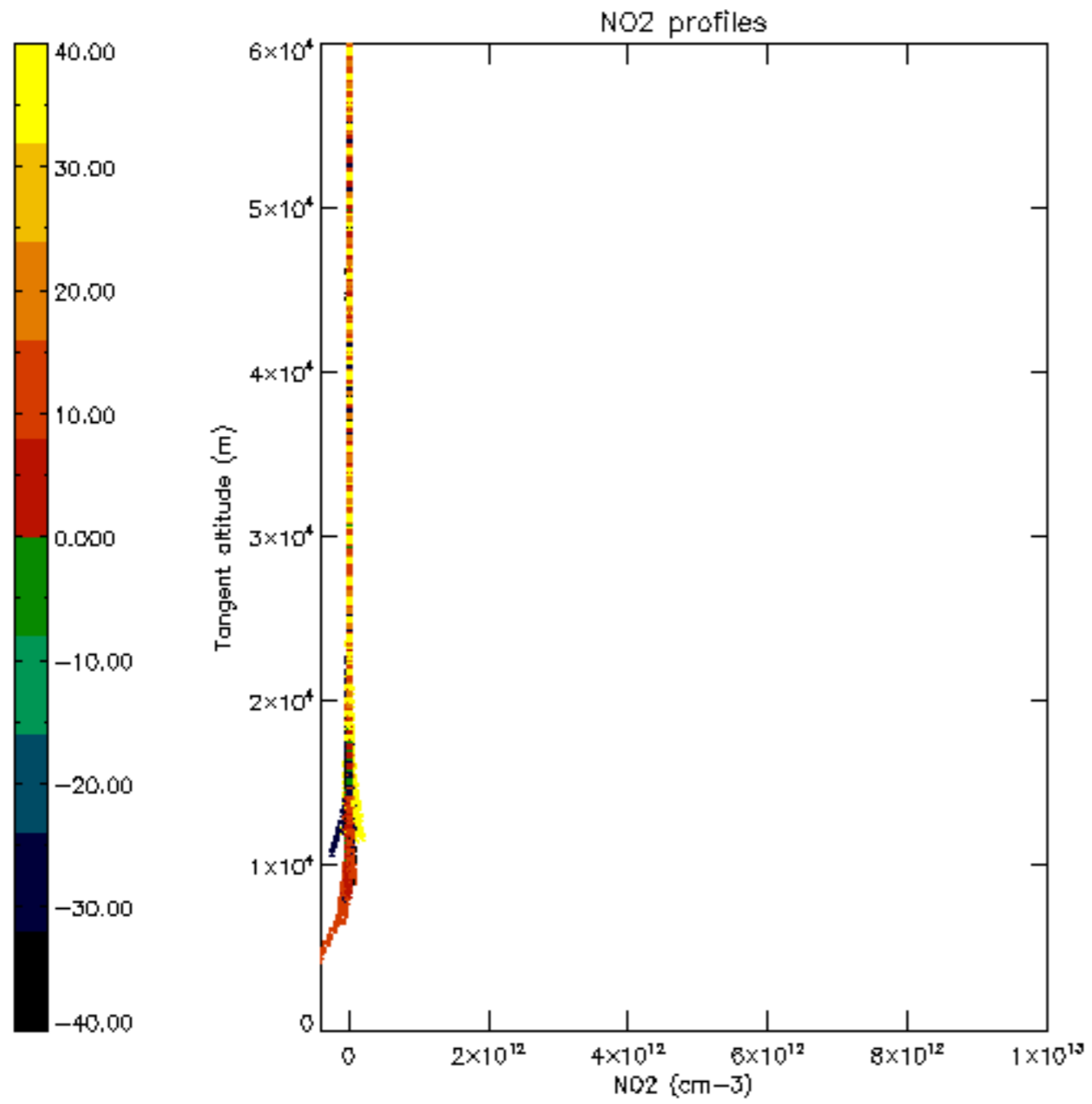


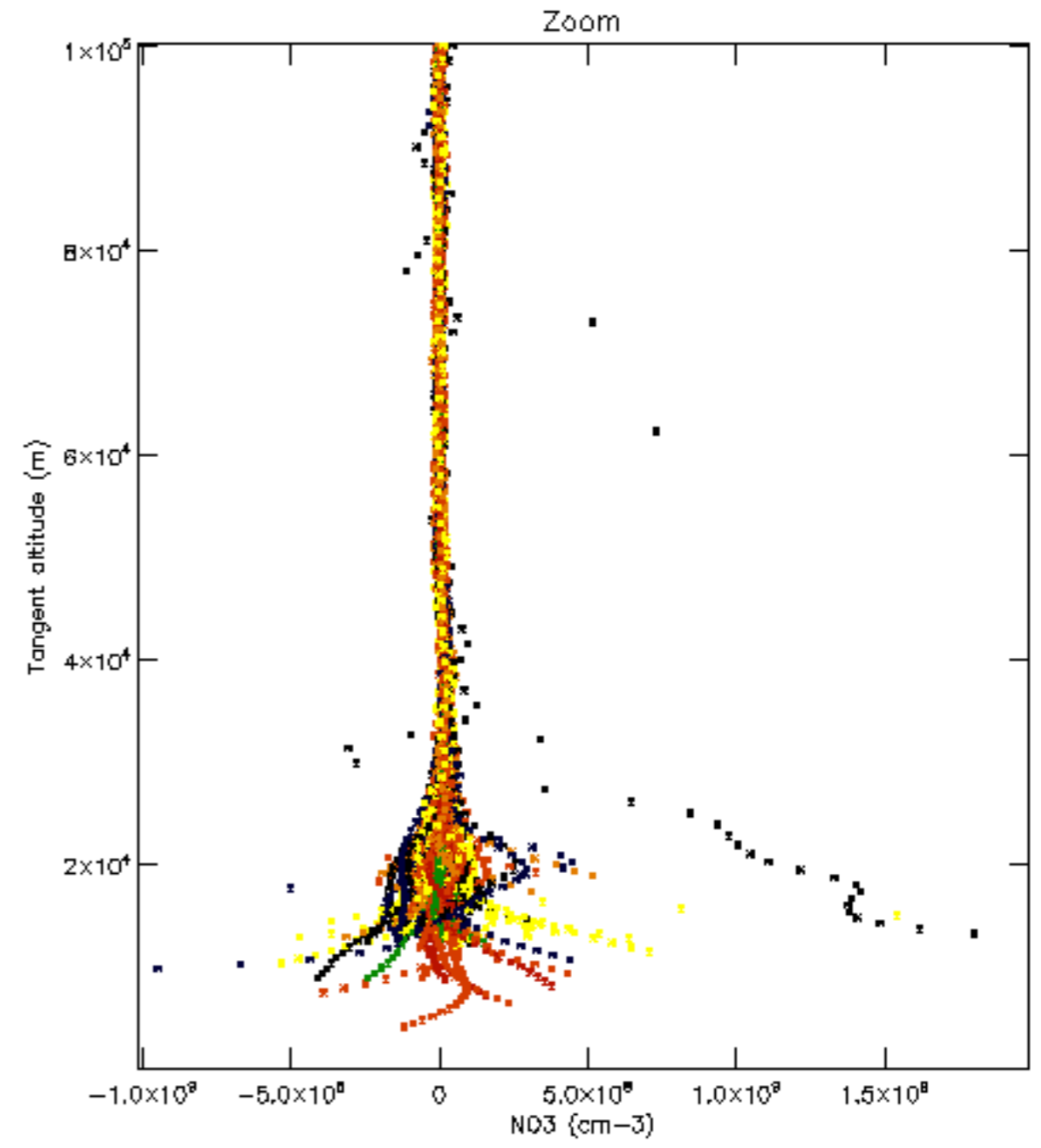
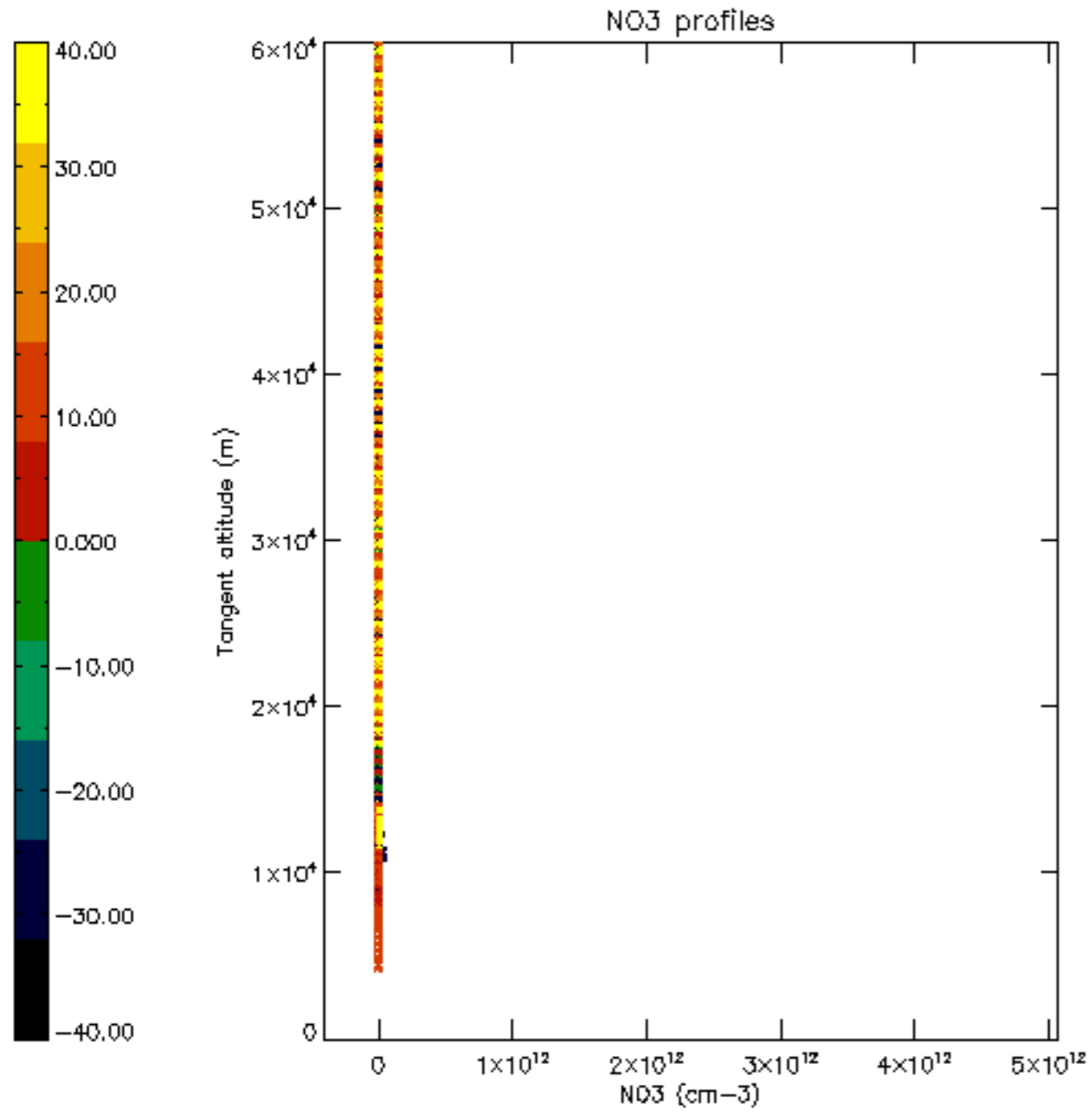


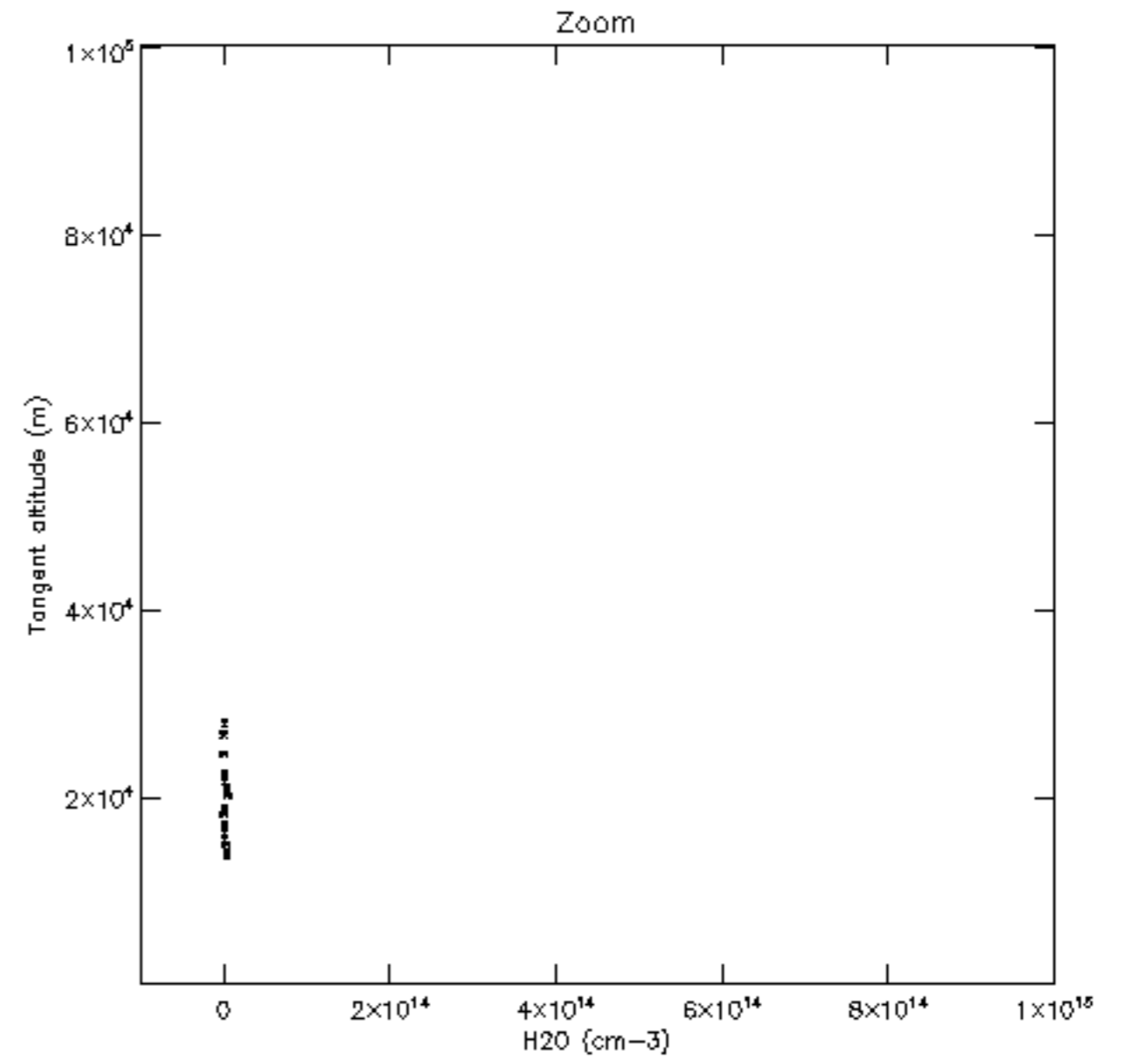
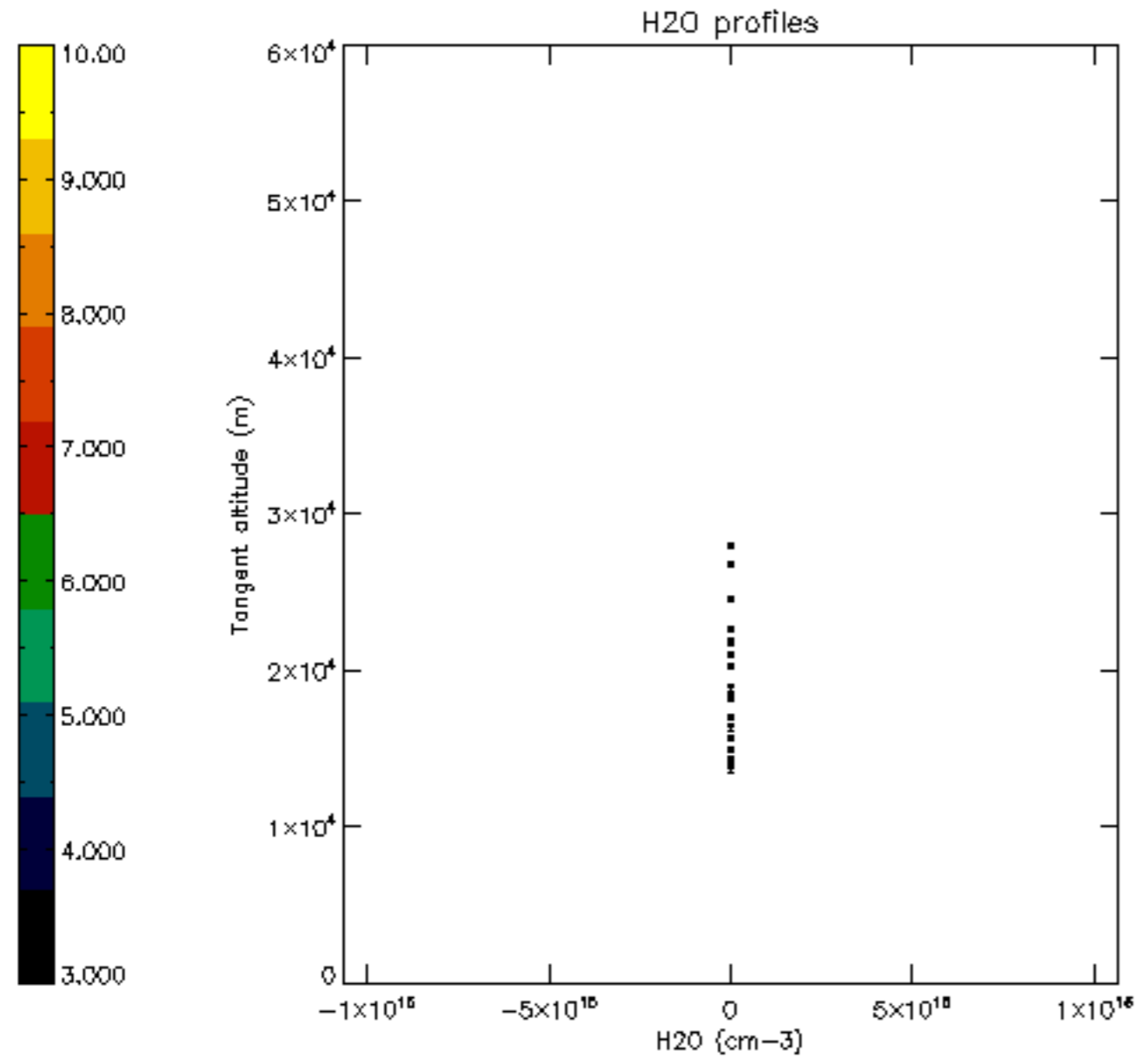


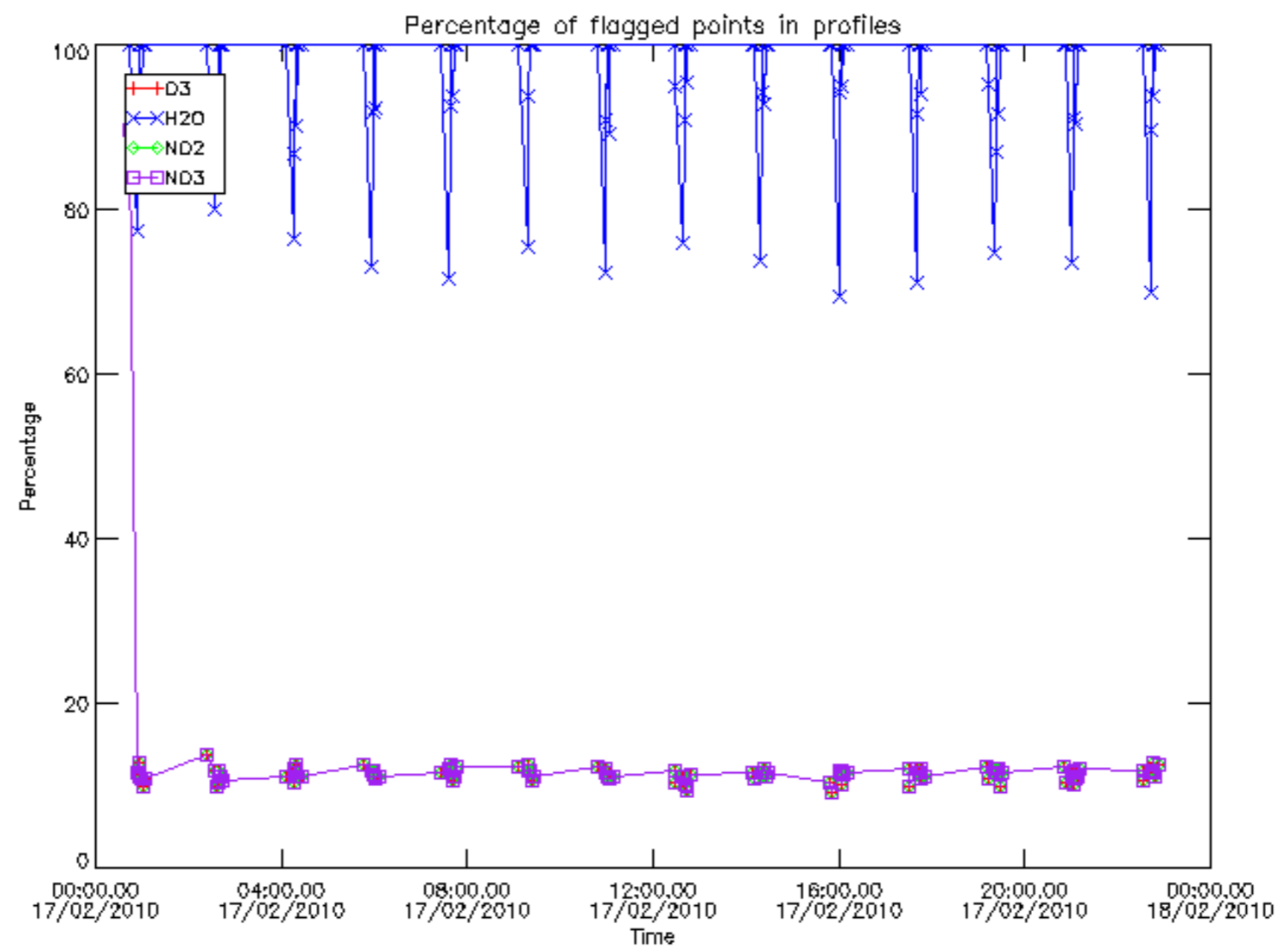




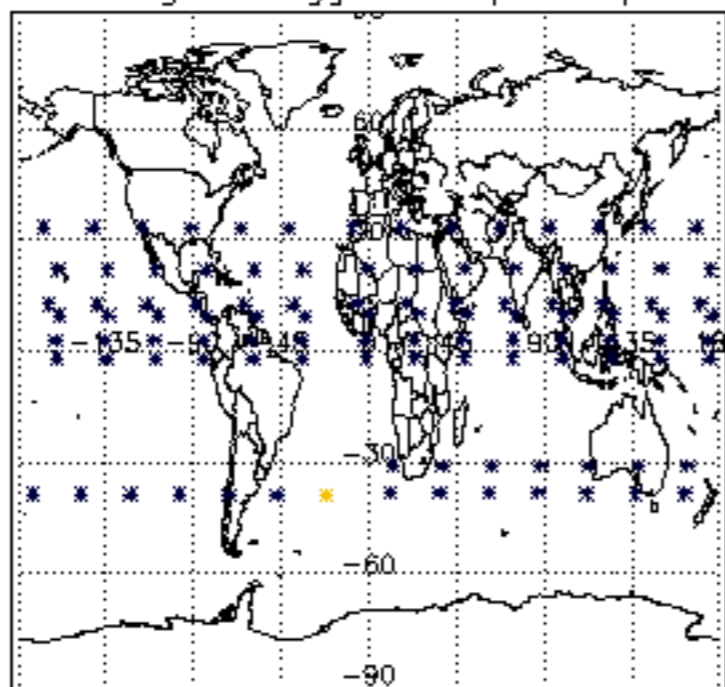




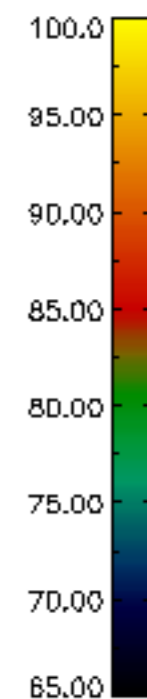
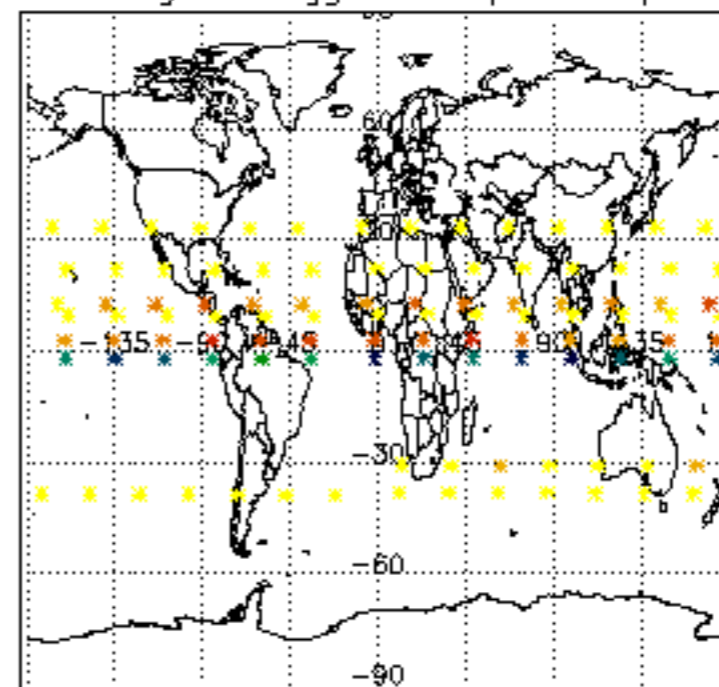




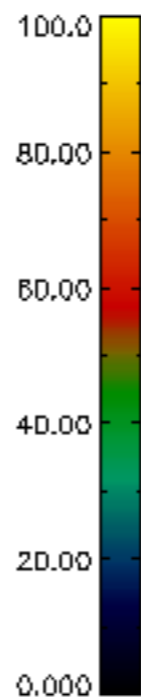
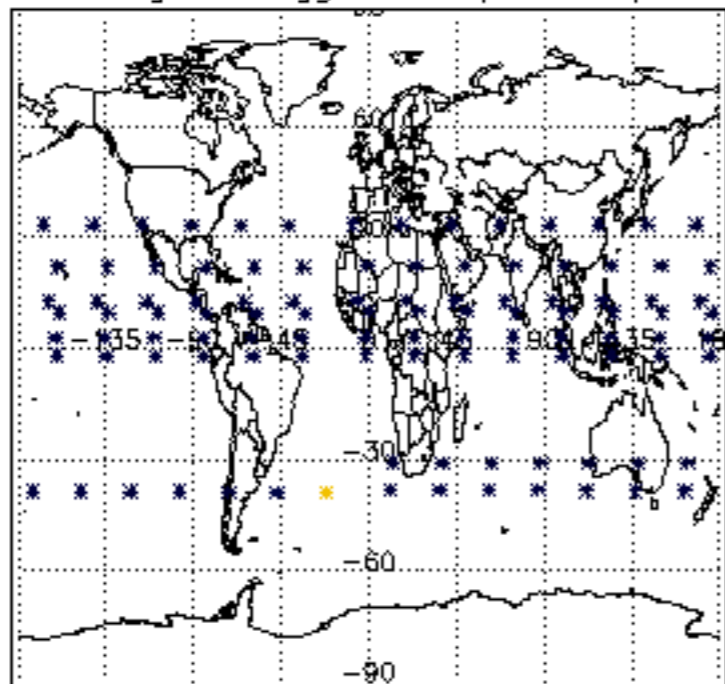
Percentage of flagged data per D3 profile



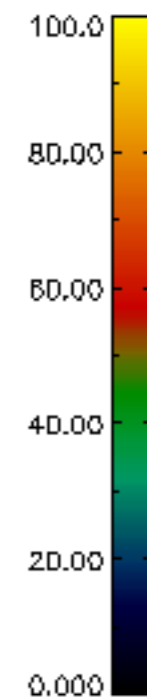
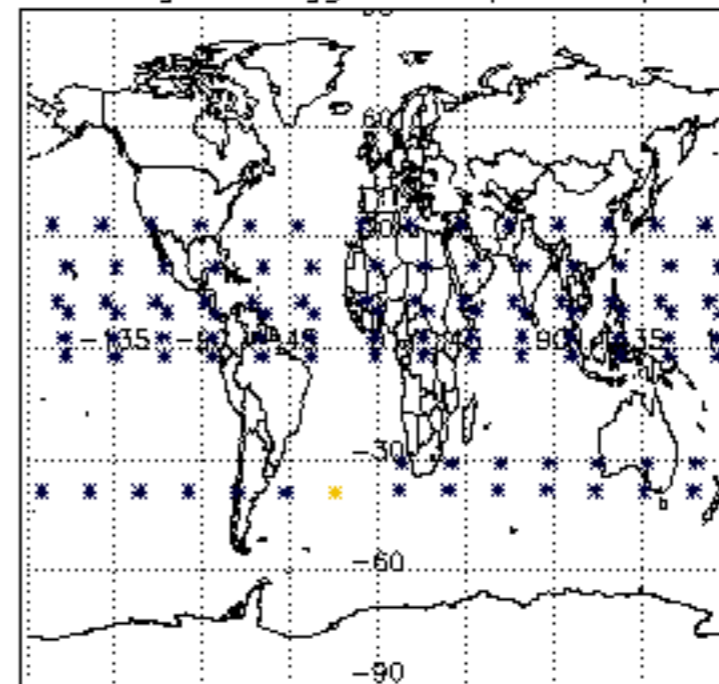
Percentage of flagged data per H2O profile

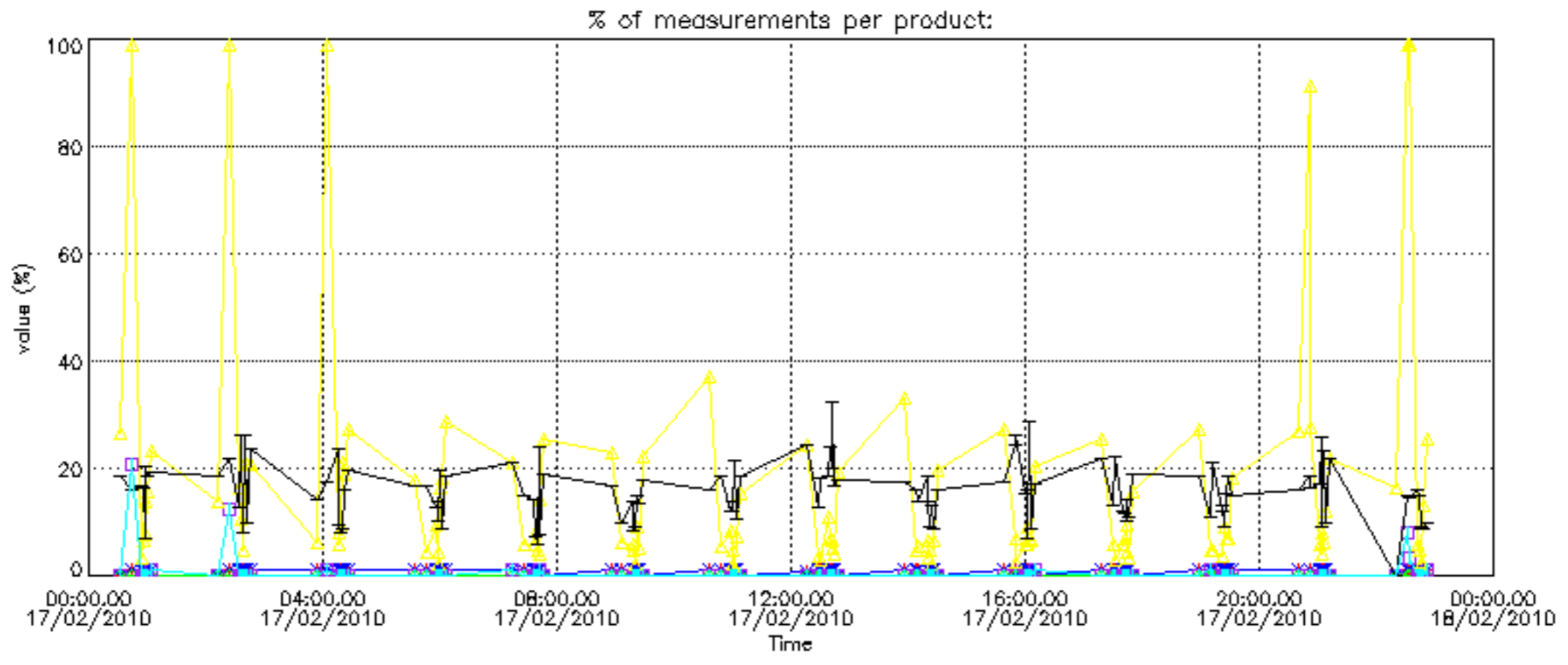


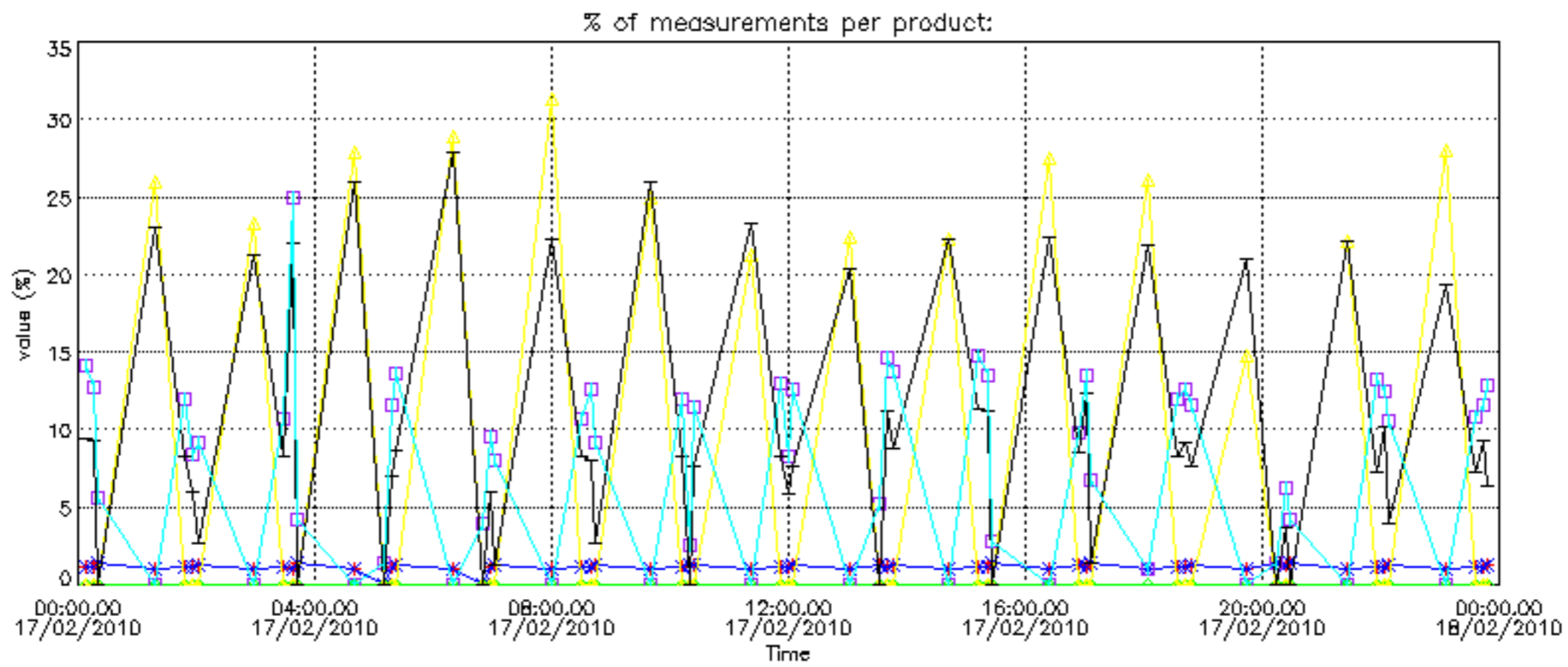
Percentage of flagged data per NO2 profile



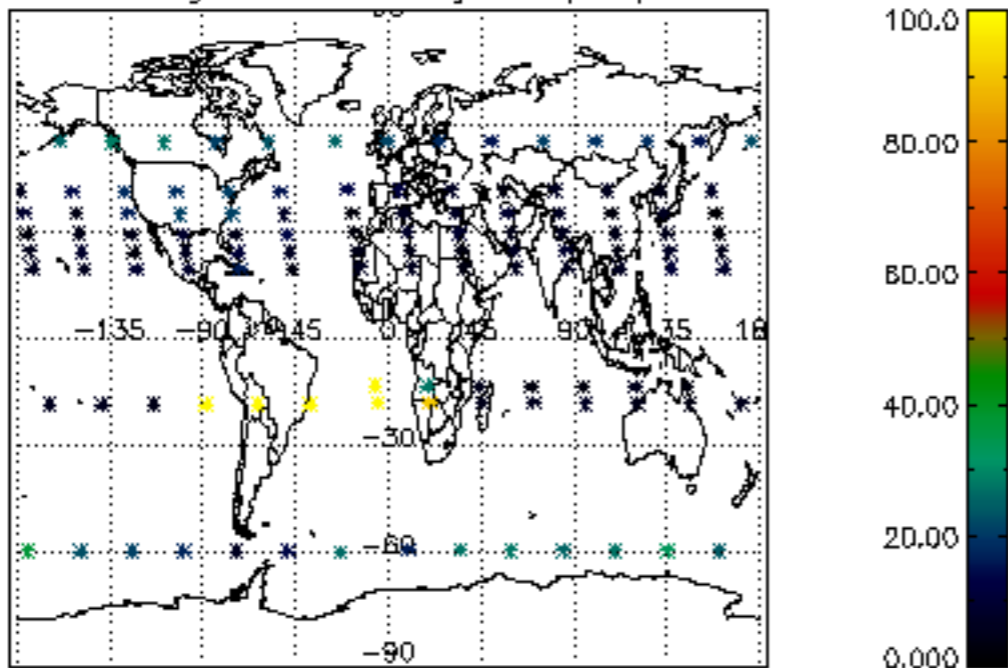
Percentage of flagged data per NO3 profile



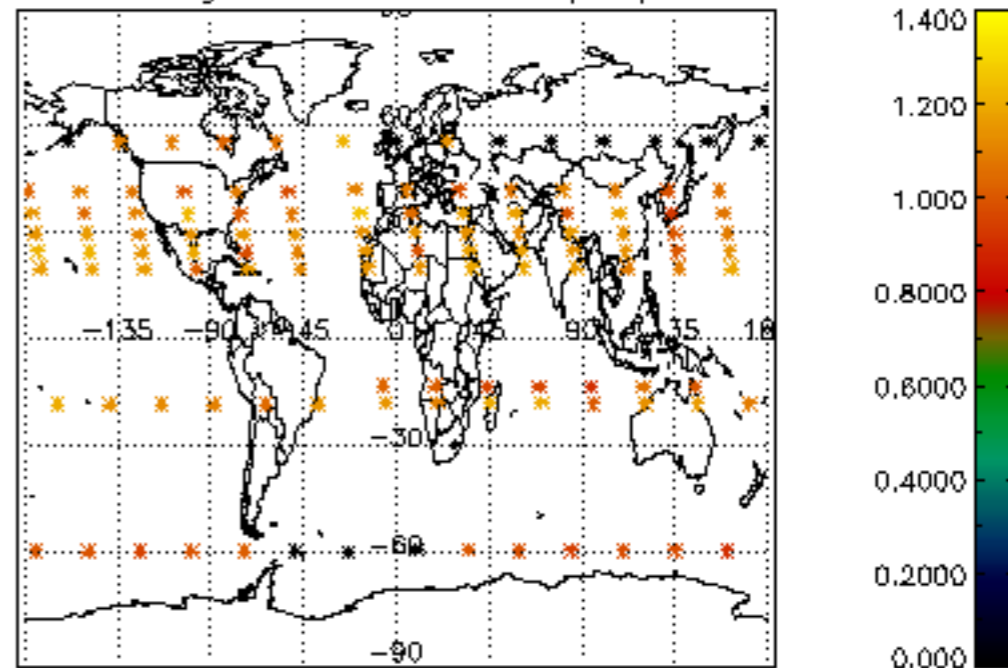




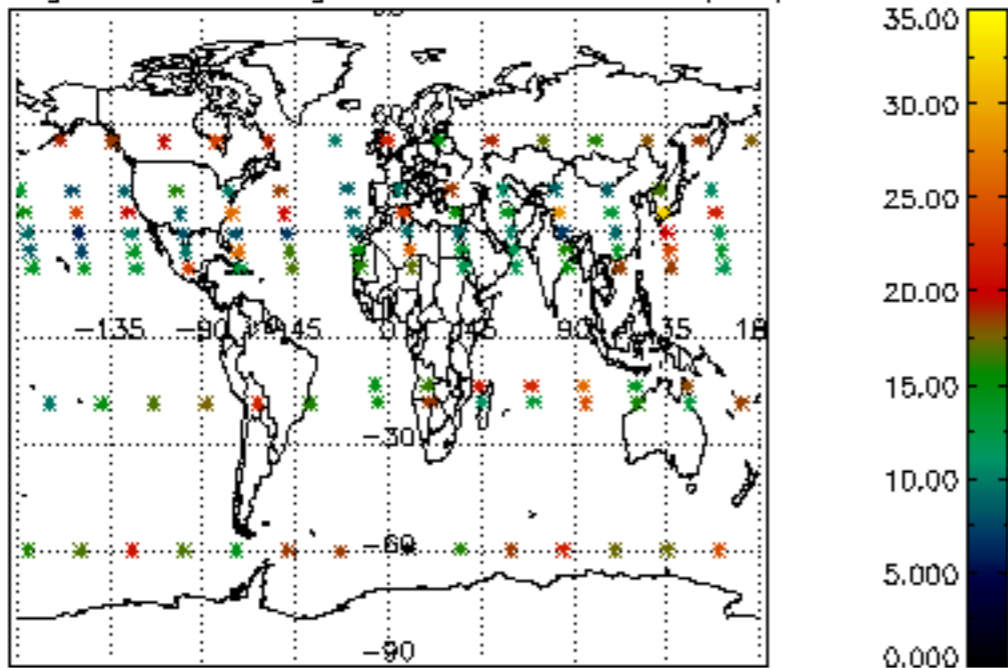
Percentage of cosmic ray hits per profile



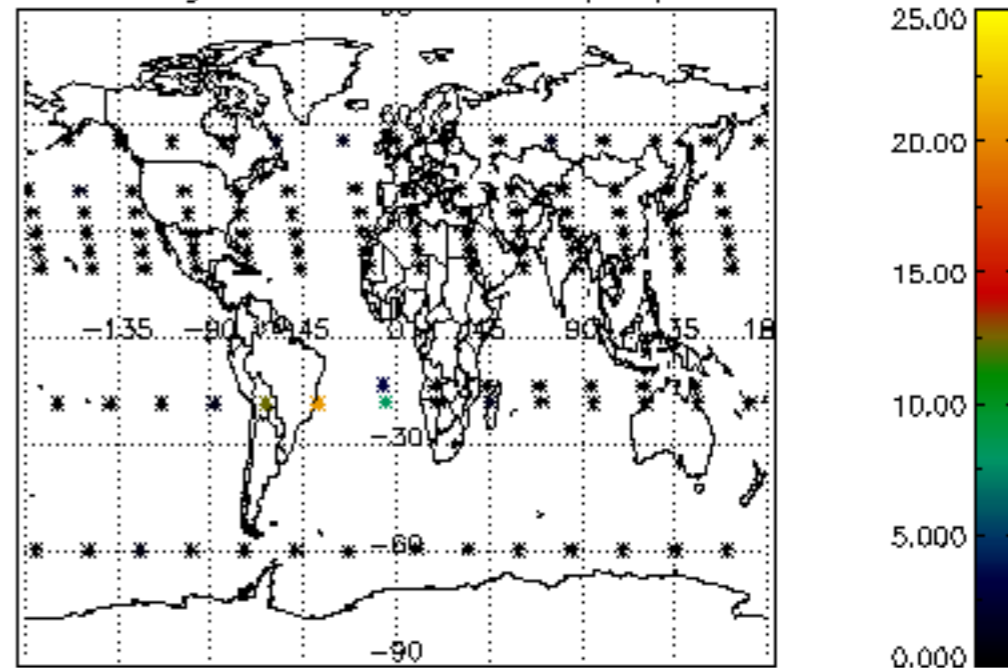
Percentage of datation errors per profile



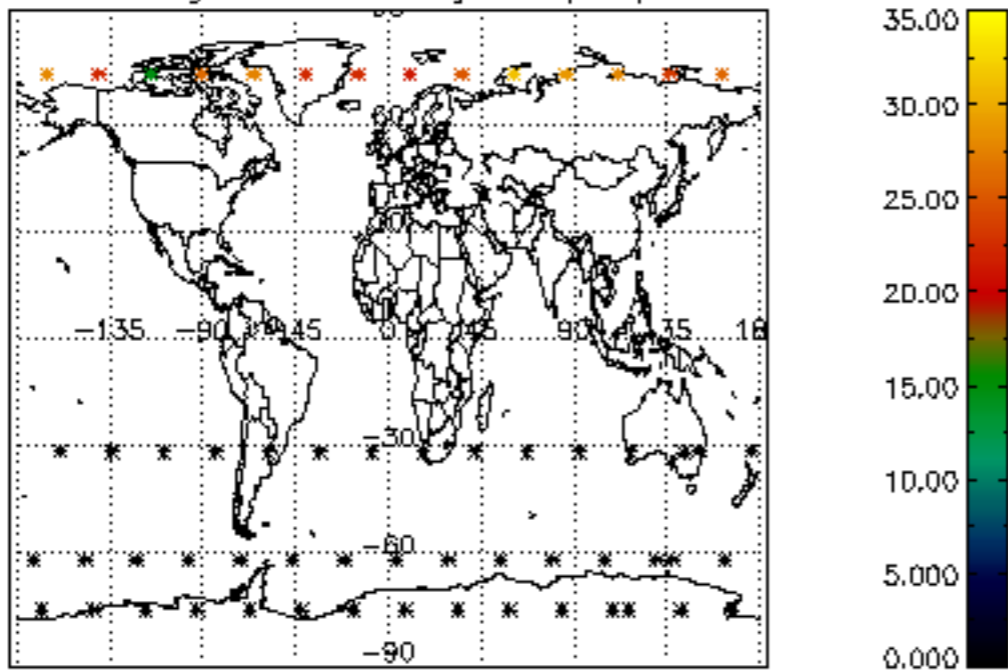
Percentage of star falling outside central band per profile



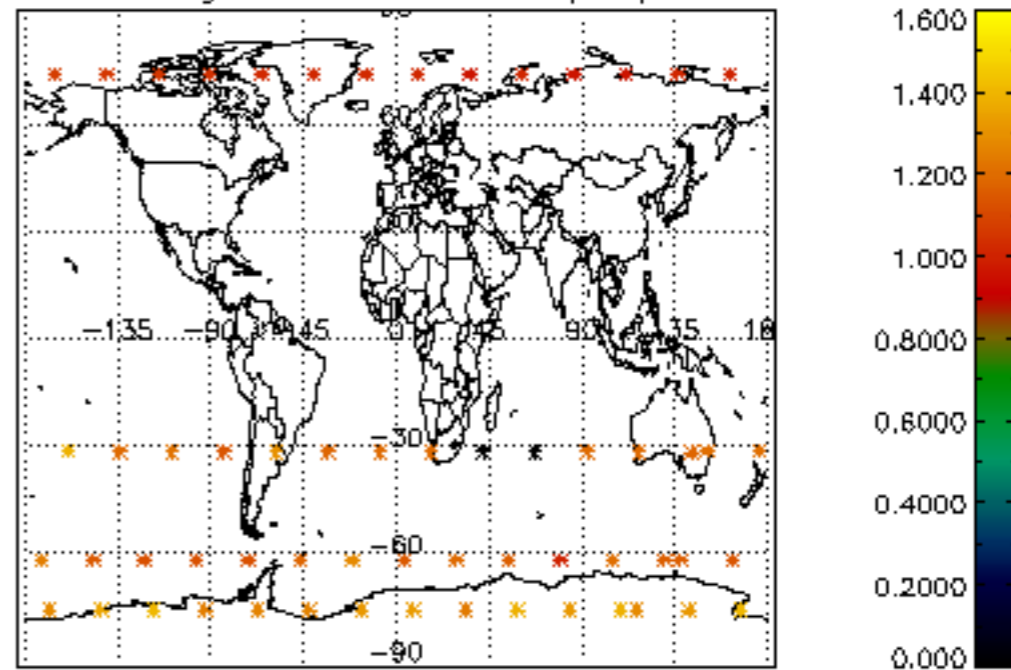
Percentage of saturation errors per profile



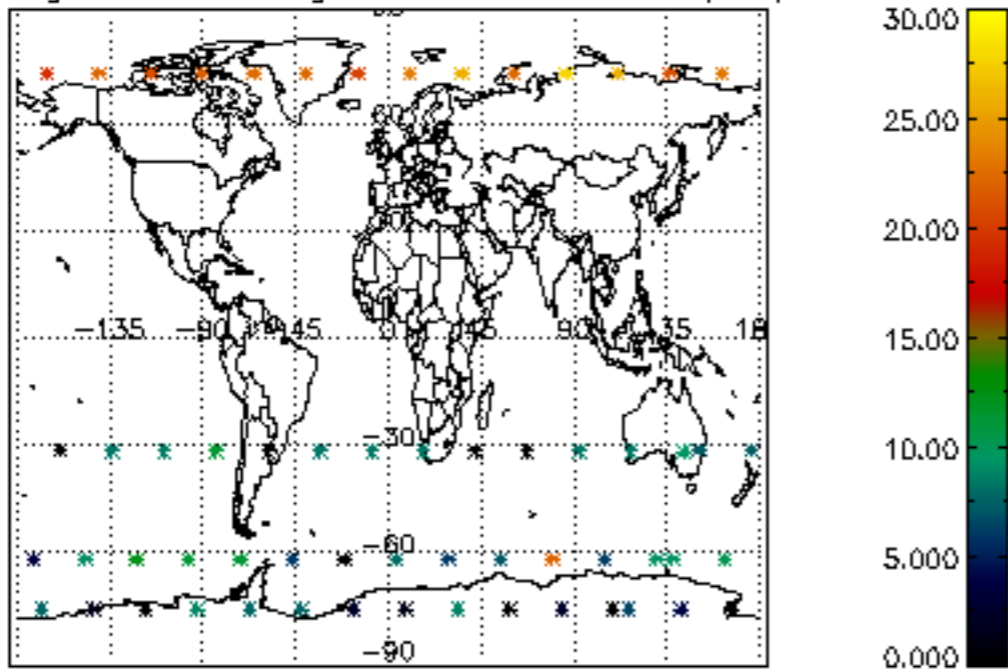
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

