

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

[2. Summary of processed GOM_NL_2P products](#)

[3. Level 2 Quality information per product](#)

[3.1 Plot of level 2 quality information per product \(time dependant\)](#)

[3.2 Plot of level 2 quality information per product \(world map\)](#)

[4. Level 1 Quality information per product \(stored on level 2 products\)](#)

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

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

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

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

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

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

[5. Ozone profiles based on quality statistics and other trace gas profiles](#)

[5.1 Ozone statistics based on quality of products](#)

[5.2 Plot ozone profiles for all STD \(dark without errors\)](#)

[5.3 Plot ozone profiles where STD < 20% \(dark without errors\)](#)

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

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

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

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

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

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

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

Item	Value
Time of report generation	26APR2013 08:39:21
Data source version	GOMOS/6.01
Start time of products	07-04-2009 (07APR2009 00:00:00)
Stop time of products	08-04-2009 (08APR2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	82
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

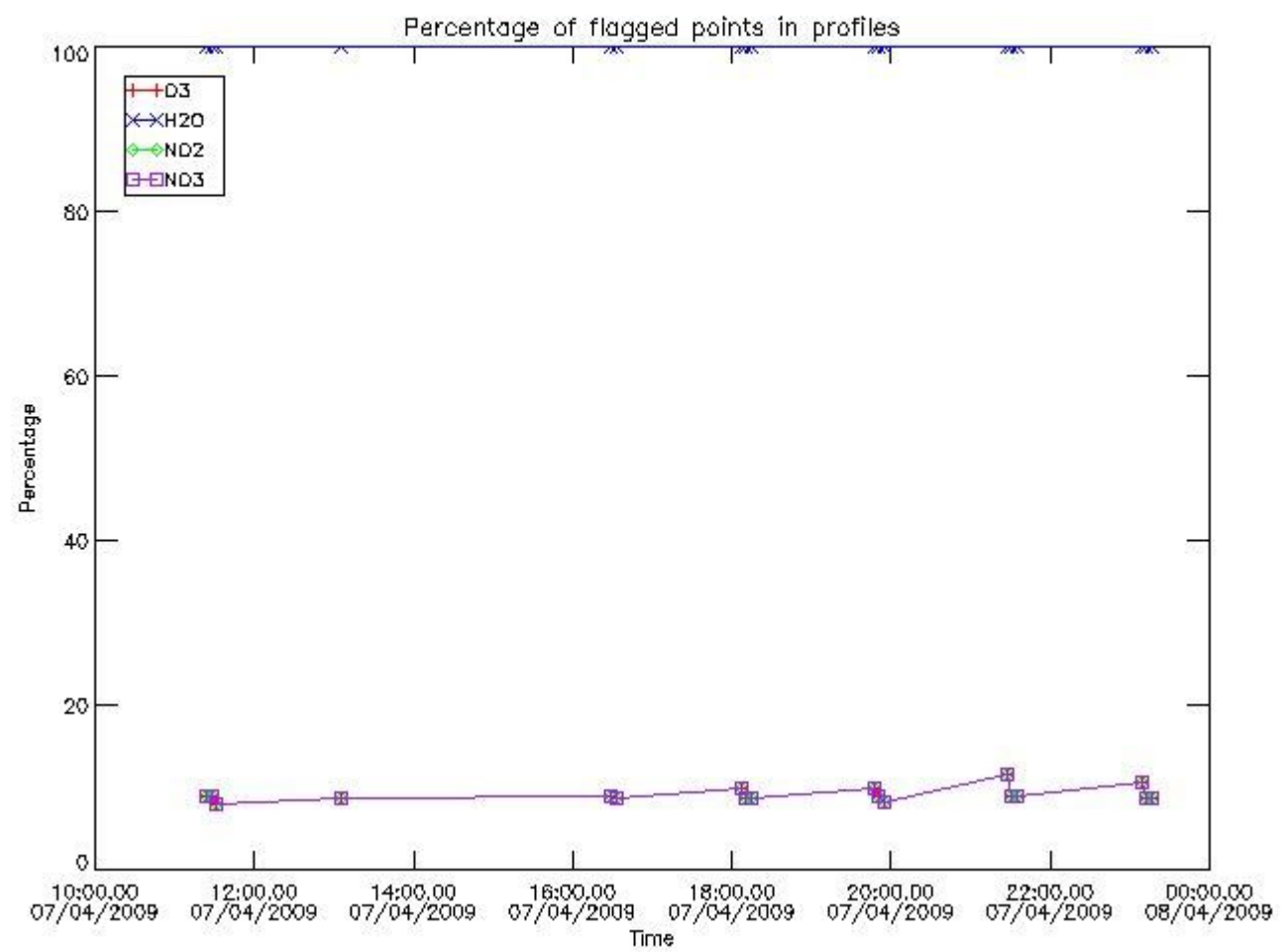
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20090407_101145_000000562078_00008_37136_5060.N1	07-APR-2009 10:11:45	Bright	55.500	15	67Alp Vir	0.97600	28000.	111	37136	No
2	GOM_NL__2PRFIN20090407_101904_000000432078_00008_37136_5061.N1	07-APR-2009 10:19:04	Bright	43.000	138	47Eps Vir	2.8280	4700.0	86	37136	No
3	GOM_NL__2PRFIN20090407_103213_000000462078_00008_37136_5062.N1	07-APR-2009 10:32:13	Bright	45.500	39	85Eta UMa	1.8540	24000.	91	37136	No
4	GOM_NL__2PRFIN20090407_104101_000000482078_00008_37136_5063.N1	07-APR-2009 10:41:01	Bright	47.500	119	14Eta Dra	2.7270	4700.0	95	37136	No
5	GOM_NL__2PRFIN20090407_105319_000000432078_00008_37136_5064.N1	07-APR-2009 10:53:19	Bright	42.500	144	18Del Cyg	2.8600	11000.	85	37136	No
6	GOM_NL__2PRFIN20090407_105528_000000392078_00008_37136_5065.N1	07-APR-2009 10:55:28	Bright	38.500	66	37Gam Cyg	2.2080	5900.0	77	37136	No
7	GOM_NL__2PRFIN20090407_105741_000000372078_00008_37136_5066.N1	07-APR-2009 10:57:41	Bright	36.500	92	53Eps Cyg	2.5000	4500.0	73	37136	No
8	GOM_NL__2PRFIN20090407_112406_000000582078_00008_37136_5067.N1	07-APR-2009 11:24:06	Dark	57.500	57	34Sig Sgr	2.0660	26000.	115	37136	No
9	GOM_NL__2PRFIN20090407_112729_000000572078_00009_37137_5075.N1	07-APR-2009 11:27:29	Dark	57.000	38	20Eps Sgr	1.8360	11000.	114	37137	No
10	GOM_NL__2PRFIN20090407_113141_000000652078_00009_37137_5076.N1	07-APR-2009 11:31:41	Dark	64.500	25	35Lam Sco	1.6200	28000.	129	37137	No
11	GOM_NL__2PRFIN20090407_113838_000000502078_00009_37137_5077.N1	07-APR-2009 11:38:38	Straylight	49.500	131	Gam Lup	2.8000	26000.	99	37137	No
12	GOM_NL__2PRFIN20090407_114044_000000442078_00009_37137_5078.N1	07-APR-2009 11:40:44	Straylight	43.500	81	Eta Cen	2.3560	28000.	87	37137	No
13	GOM_NL__2PRFIN20090407_114317_000000492078_00009_37137_5079.N1	07-APR-2009 11:43:17	Straylight	49.000	54	5The Cen	2.0550	4500.0	98	37137	No
14	GOM_NL__2PRFIN20090407_115220_000000562078_00009_37137_5080.N1	07-APR-2009 11:52:20	Bright	56.000	15	67Alp Vir	0.97600	28000.	112	37137	No
15	GOM_NL__2PRFIN20090407_115939_000000442078_00009_37137_5081.N1	07-APR-2009 11:59:39	Bright	44.000	138	47Eps Vir	2.8280	4700.0	88	37137	No
16	GOM_NL__2PRFIN20090407_120802_000000412078_00009_37137_5082.N1	07-APR-2009 12:08:02	Bright	40.500	152	12Alp2CVn	2.8900	11000.	81	37137	No
17	GOM_NL__2PRFIN20090407_121248_000000472078_00009_37137_5083.N1	07-APR-2009 12:12:48	Bright	46.500	39	85Eta UMa	1.8540	24000.	93	37137	No
18	GOM_NL__2PRFIN20090407_122135_000000522078_00009_37137_5084.N1	07-APR-2009 12:21:35	Bright	52.000	119	14Eta Dra	2.7270	4700.0	104	37137	No
19	GOM_NL__2PRFIN20090407_123355_000000472078_00009_37137_5085.N1	07-APR-2009 12:33:55	Bright	47.000	144	18Del Cyg	2.8600	11000.	94	37137	No
20	GOM_NL__2PRFIN20090407_123603_000000432078_00009_37137_5086.N1	07-APR-2009 12:36:03	Bright	43.000	66	37Gam Cyg	2.2080	5900.0	86	37137	No
21	GOM_NL__2PRFIN20090407_123816_000000412078_00009_37137_5087.N1	07-APR-2009 12:38:16	Bright	40.500	92	53Eps Cyg	2.5000	4500.0	81	37137	No
22	GOM_NL__2PRFIN20090407_130443_000000592078_00009_37137_5088.N1	07-APR-2009 13:04:43	Dark	58.500	57	34Sig Sgr	2.0660	26000.	117	37137	No
23	GOM_NL__2PRFIN20090407_162920_000000582078_00012_37140_5168.N1	07-APR-2009 16:29:20	Dark	57.500	38	20Eps Sgr	1.8360	11000.	115	37140	No
24	GOM_NL__2PRFIN20090407_163332_000000592078_00012_37140_5169.N1	07-APR-2009 16:33:32	Dark	58.500	25	35Lam Sco	1.6200	28000.	117	37140	No
25	GOM_NL__2PRFIN20090407_164128_000000452078_00012_37140_5170.N1	07-APR-2009 16:41:28	Straylight	44.500	109	Bet Lup	2.6770	26000.	89	37140	No
26	GOM_NL__2PRFIN20090407_164506_000000502078_00012_37140_5171.N1	07-APR-2009 16:45:06	Straylight	49.500	54	5The Cen	2.0550	4500.0	99	37140	No
27	GOM_NL__2PRFIN20090407_165408_000000532078_00012_37140_5172.N1	07-APR-2009 16:54:08	Bright	52.500	15	67Alp Vir	0.97600	28000.	105	37140	No
28	GOM_NL__2PRFIN20090407_170126_000000442078_00012_37140_5173.N1	07-APR-2009 17:01:26	Bright	44.000	138	47Eps Vir	2.8280	4700.0	88	37140	No
29	GOM_NL__2PRFIN20090407_170949_000000402078_00012_37140_5174.N1	07-APR-2009 17:09:49	Bright	40.000	152	12Alp2CVn	2.8900	11000.	80	37140	No
30	GOM_NL__2PRFIN20090407_171433_000000452078_00012_37140_5175.N1	07-APR-2009 17:14:33	Bright	44.500	39	85Eta UMa	1.8540	24000.	89	37140	No
31	GOM_NL__2PRFIN20090407_172321_000000492078_00012_37140_5176.N1	07-APR-2009 17:23:21	Bright	49.000	119	14Eta Dra	2.7270	4700.0	98	37140	No
32	GOM_NL__2PRFIN20090407_173542_000000472078_00012_37140_5177.N1	07-APR-2009 17:35:42	Bright	47.000	144	18Del Cyg	2.8600	11000.	94	37140	No
33	GOM_NL__2PRFIN20090407_173751_000000422078_00012_37140_5178.N1	07-APR-2009 17:37:51	Bright	41.500	66	37Gam Cyg	2.2080	5900.0	83	37140	No
34	GOM_NL__2PRFIN20090407_174005_000000402078_00012_37140_5179.N1	07-APR-2009 17:40:05	Bright	39.500	92	53Eps Cyg	2.5000	4500.0	79	37140	No
35	GOM_NL__2PRFIN20090407_180635_000000522078_00012_37140_5180.N1	07-APR-2009 18:06:35	Dark	52.000	57	34Sig Sgr	2.0660	26000.	104	37140	No
36	GOM_NL__2PRFIN20090407_180957_000000592078_00013_37141_5184.N1	07-APR-2009 18:09:57	Dark	58.500	38	20Eps Sgr	1.8360	11000.	117	37141	No
37	GOM_NL__2PRFIN20090407_181410_000000592078_00013_37141_5185.N1	07-APR-2009 18:14:10	Dark	58.500	25	35Lam Sco	1.6200	28000.	117	37141	No
38	GOM_NL__2PRFIN20090407_182204_000000412078_00013_37141_5186.N1	07-APR-2009 18:22:04	Straylight	41.000	109	Bet Lup	2.6770	26000.	82	37141	No
39	GOM_NL__2PRFIN20090407_182542_000000492078_00013_37141_5187.N1	07-APR-2009 18:25:42	Straylight	49.000	54	5The Cen	2.0550	4500.0	98	37141	No
40	GOM_NL__2PRFIN20090407_183444_000000542078_00013_37141_5188.N1	07-APR-2009 18:34:44	Bright	54.000	15	67Alp Vir	0.97600	28000.	108	37141	No
41	GOM_NL__2PRFIN20090407_184202_000000442078_00013_37141_5189.N1	07-APR-2009 18:42:02	Bright	43.500	138	47Eps Vir	2.8280	4700.0	87	37141	No
42	GOM_NL__2PRFIN20090407_185024_000000412078_00013_37141_5190.N1	07-APR-2009 18:50:24	Bright	40.500	152	12Alp2CVn	2.8900	11000.	81	37141	No

43	GOM_NL__2PRFIN20090407_185509_000000452078_00013_37141_5191.N1	07-APR-2009 18:55:09	Bright	44.500	39	85Eta UMa	1.8540	24000.	89	37141	No
44	GOM_NL__2PRFIN20090407_190356_000000482078_00013_37141_5192.N1	07-APR-2009 19:03:56	Bright	47.500	119	14Eta Dra	2.7270	4700.0	95	37141	No
45	GOM_NL__2PRFIN20090407_191618_000000482078_00013_37141_5193.N1	07-APR-2009 19:16:18	Bright	47.500	144	18Del Cyg	2.8600	11000.	95	37141	No
46	GOM_NL__2PRFIN20090407_191827_000000442078_00013_37141_5194.N1	07-APR-2009 19:18:27	Bright	44.000	66	37Gam Cyg	2.2080	5900.0	88	37141	No
47	GOM_NL__2PRFIN20090407_192041_000000412078_00013_37141_5195.N1	07-APR-2009 19:20:41	Bright	41.000	92	53Eps Cyg	2.5000	4500.0	82	37141	No
48	GOM_NL__2PRFIN20090407_194713_000000522078_00013_37141_5220.N1	07-APR-2009 19:47:13	Dark	52.000	57	34Sig Sgr	2.0660	26000.	104	37141	No
49	GOM_NL__2PRFIN20090407_195035_000000572078_00014_37142_5221.N1	07-APR-2009 19:50:35	Dark	56.500	38	20Eps Sgr	1.8360	11000.	113	37142	No
50	GOM_NL__2PRFIN20090407_195447_000000622078_00014_37142_5222.N1	07-APR-2009 19:54:47	Dark	61.500	25	35Lam Sco	1.6200	28000.	123	37142	No
51	GOM_NL__2PRFIN20090407_200241_000000452078_00014_37142_5223.N1	07-APR-2009 20:02:41	Straylight	44.500	109	Bet Lup	2.6770	26000.	89	37142	No
52	GOM_NL__2PRFIN20090407_200619_000000502078_00014_37142_5224.N1	07-APR-2009 20:06:19	Straylight	50.000	54	5The Cen	2.0550	4500.0	100	37142	No
53	GOM_NL__2PRFIN20090407_201520_000000522078_00014_37142_5225.N1	07-APR-2009 20:15:20	Bright	51.500	15	67Alp Vir	0.97600	28000.	103	37142	No
54	GOM_NL__2PRFIN20090407_202237_000000442078_00014_37142_5226.N1	07-APR-2009 20:22:37	Bright	44.000	138	47Eps Vir	2.8280	4700.0	88	37142	No
55	GOM_NL__2PRFIN20090407_203100_000000402078_00014_37142_5227.N1	07-APR-2009 20:31:00	Bright	39.500	152	12Alp2CVn	2.8900	11000.	79	37142	No
56	GOM_NL__2PRFIN20090407_203544_000000482078_00014_37142_5228.N1	07-APR-2009 20:35:44	Bright	48.000	39	85Eta UMa	1.8540	24000.	96	37142	No
57	GOM_NL__2PRFIN20090407_204431_000000572078_00014_37142_5229.N1	07-APR-2009 20:44:31	Bright	56.500	119	14Eta Dra	2.7270	4700.0	113	37142	No
58	GOM_NL__2PRFIN20090407_205653_000000532078_00014_37142_5230.N1	07-APR-2009 20:56:53	Bright	52.500	144	18Del Cyg	2.8600	11000.	105	37142	No
59	GOM_NL__2PRFIN20090407_205903_000000442078_00014_37142_5231.N1	07-APR-2009 20:59:03	Bright	43.500	66	37Gam Cyg	2.2080	5900.0	87	37142	No
60	GOM_NL__2PRFIN20090407_210117_000000412078_00014_37142_5232.N1	07-APR-2009 21:01:17	Bright	40.500	92	53Eps Cyg	2.5000	4500.0	81	37142	No
61	GOM_NL__2PRFIN20090407_212750_000000482078_00014_37142_5236.N1	07-APR-2009 21:27:50	Dark	48.000	57	34Sig Sgr	2.0660	26000.	96	37142	No
62	GOM_NL__2PRFIN20090407_213112_000000572078_00015_37143_5237.N1	07-APR-2009 21:31:12	Dark	56.500	38	20Eps Sgr	1.8360	11000.	113	37143	No
63	GOM_NL__2PRFIN20090407_213524_000000582078_00015_37143_5238.N1	07-APR-2009 21:35:24	Dark	57.500	25	35Lam Sco	1.6200	28000.	115	37143	No
64	GOM_NL__2PRFIN20090407_214317_000000442078_00015_37143_5239.N1	07-APR-2009 21:43:17	Straylight	43.500	109	Bet Lup	2.6770	26000.	87	37143	No
65	GOM_NL__2PRFIN20090407_214655_000000512078_00015_37143_5240.N1	07-APR-2009 21:46:55	Straylight	50.500	54	5The Cen	2.0550	4500.0	101	37143	No
66	GOM_NL__2PRFIN20090407_215556_000000552078_00015_37143_5241.N1	07-APR-2009 21:55:56	Bright	54.500	15	67Alp Vir	0.97600	28000.	109	37143	No
67	GOM_NL__2PRFIN20090407_220313_000000442078_00015_37143_5242.N1	07-APR-2009 22:03:13	Bright	44.000	138	47Eps Vir	2.8280	4700.0	88	37143	No
68	GOM_NL__2PRFIN20090407_221135_000000392078_00015_37143_5243.N1	07-APR-2009 22:11:35	Bright	38.500	152	12Alp2CVn	2.8900	11000.	77	37143	No
69	GOM_NL__2PRFIN20090407_221619_000000452078_00015_37143_5244.N1	07-APR-2009 22:16:19	Bright	44.500	39	85Eta UMa	1.8540	24000.	89	37143	No
70	GOM_NL__2PRFIN20090407_222506_000000502078_00015_37143_5245.N1	07-APR-2009 22:25:06	Bright	50.000	119	14Eta Dra	2.7270	4700.0	100	37143	No
71	GOM_NL__2PRFIN20090407_223729_000000462078_00015_37143_5246.N1	07-APR-2009 22:37:29	Bright	46.000	144	18Del Cyg	2.8600	11000.	92	37143	No
72	GOM_NL__2PRFIN20090407_223938_000000432078_00015_37143_5247.N1	07-APR-2009 22:39:38	Bright	42.500	66	37Gam Cyg	2.2080	5900.0	85	37143	No
73	GOM_NL__2PRFIN20090407_224152_000000412078_00015_37143_5248.N1	07-APR-2009 22:41:52	Bright	40.500	92	53Eps Cyg	2.5000	4500.0	81	37143	No
74	GOM_NL__2PRFIN20090407_230827_000000482078_00015_37143_5258.N1	07-APR-2009 23:08:27	Dark	48.000	57	34Sig Sgr	2.0660	26000.	96	37143	No
75	GOM_NL__2PRFIN20090407_231149_000000592078_00016_37144_5259.N1	07-APR-2009 23:11:49	Dark	58.500	38	20Eps Sgr	1.8360	11000.	117	37144	No
76	GOM_NL__2PRFIN20090407_231601_000000602078_00016_37144_5260.N1	07-APR-2009 23:16:01	Dark	59.500	25	35Lam Sco	1.6200	28000.	119	37144	No
77	GOM_NL__2PRFIN20090407_232354_000000472078_00016_37144_5261.N1	07-APR-2009 23:23:54	Straylight	47.000	109	Bet Lup	2.6770	26000.	94	37144	No
78	GOM_NL__2PRFIN20090407_232731_000000502078_00016_37144_5262.N1	07-APR-2009 23:27:31	Straylight	50.000	54	5The Cen	2.0550	4500.0	100	37144	No
79	GOM_NL__2PRFIN20090407_233631_000000532078_00016_37144_5263.N1	07-APR-2009 23:36:31	Bright	52.500	15	67Alp Vir	0.97600	28000.	105	37144	No
80	GOM_NL__2PRFIN20090407_234348_000000442078_00016_37144_5264.N1	07-APR-2009 23:43:48	Bright	43.500	138	47Eps Vir	2.8280	4700.0	87	37144	No
81	GOM_NL__2PRFIN20090407_235211_000000392078_00016_37144_5265.N1	07-APR-2009 23:52:11	Bright	39.000	152	12Alp2CVn	2.8900	11000.	78	37144	No
82	GOM_NL__2PRFIN20090407_235654_000000422078_00016_37144_5266.N1	07-APR-2009 23:56:54	Bright	41.500	39	85Eta UMa	1.8540	24000.	83	37144	No

3. Quality information per product

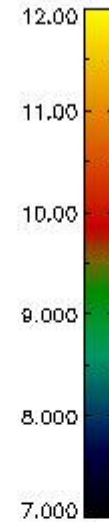
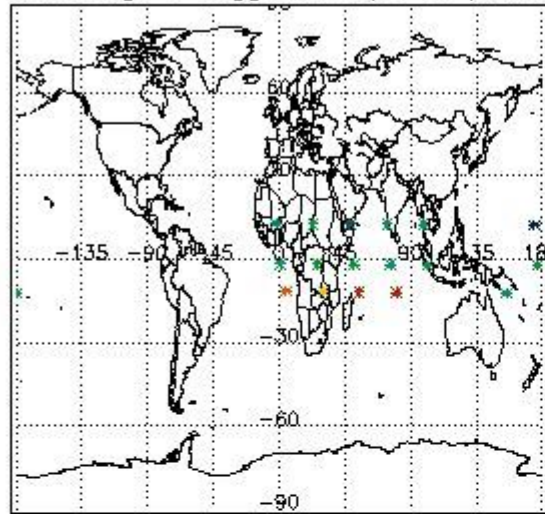
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

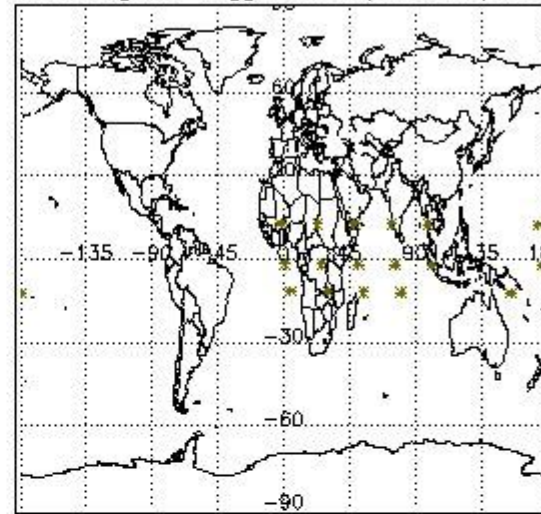


3.2 Plot quality information per product (world map)

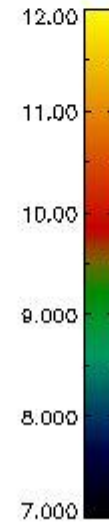
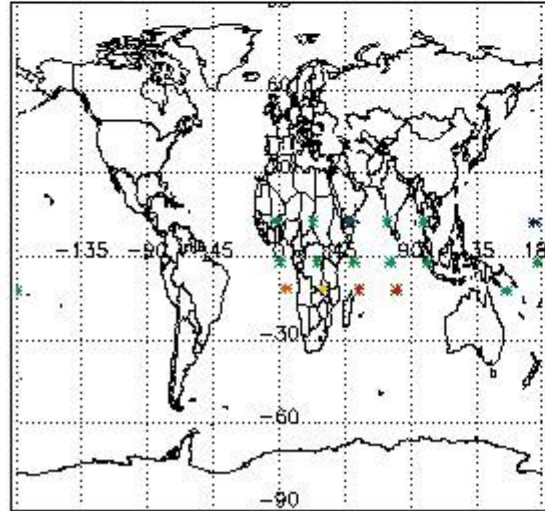
Percentage of flagged data per O3 profile



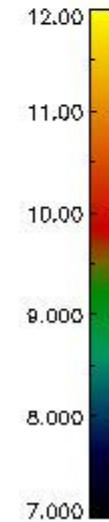
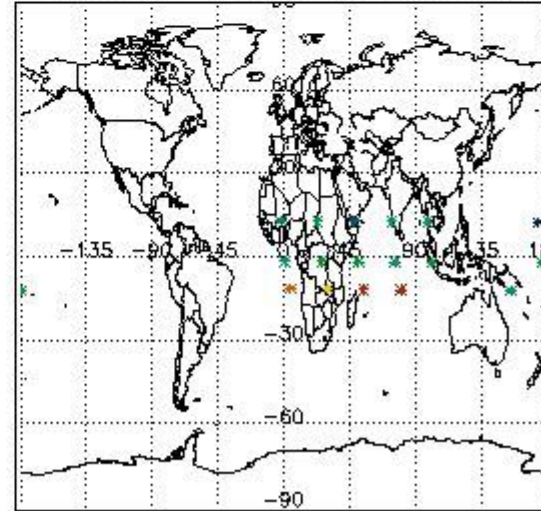
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

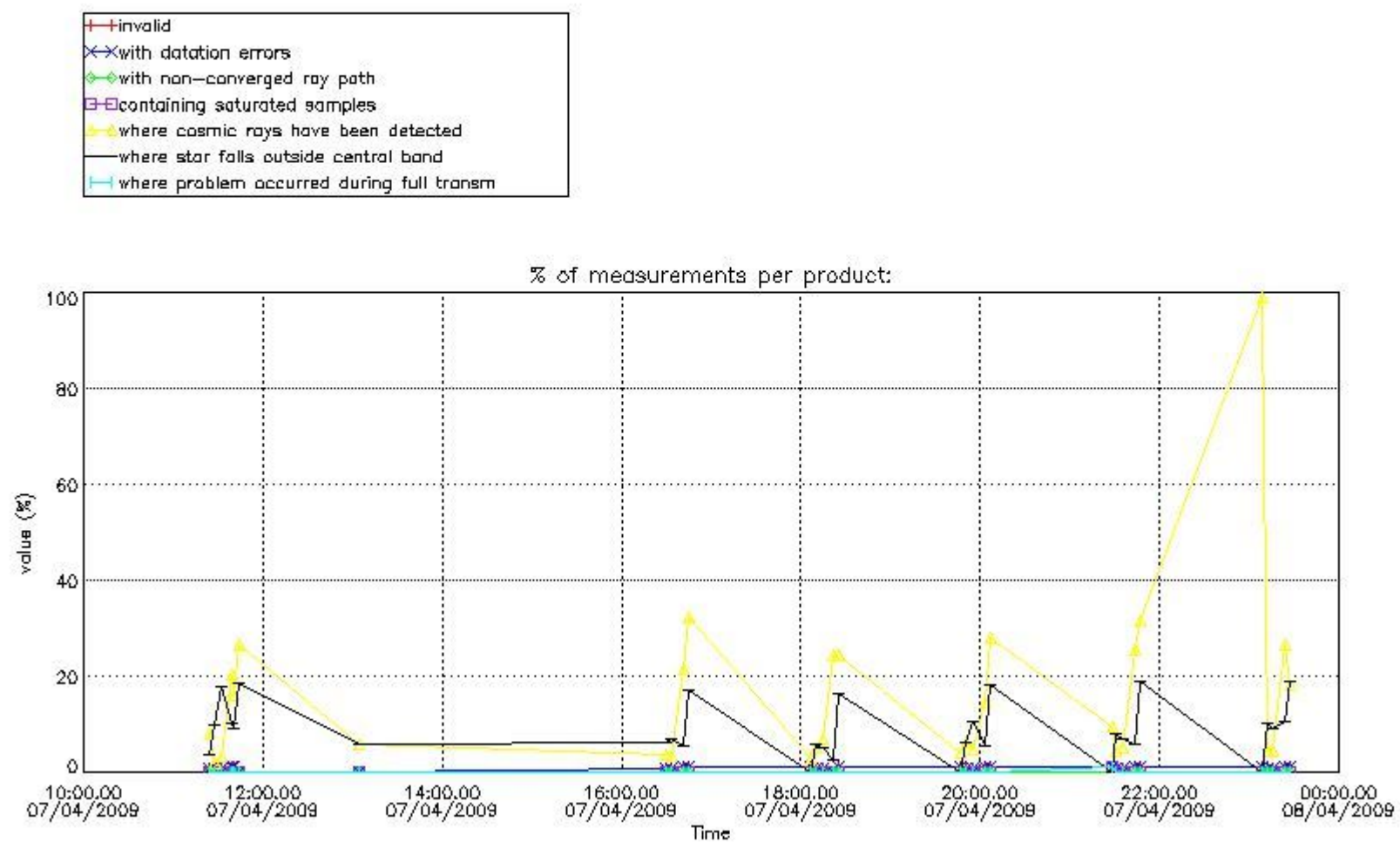


4. Level 1 quality information per product

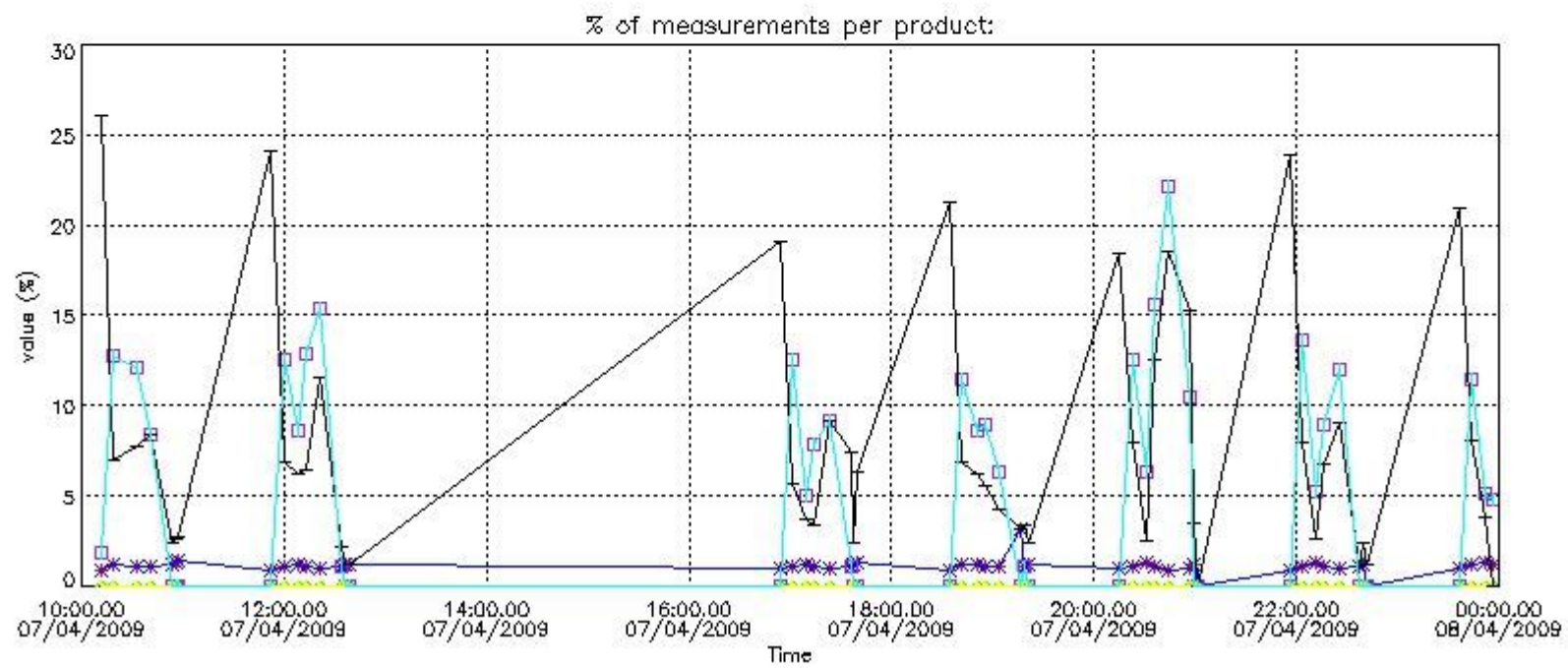
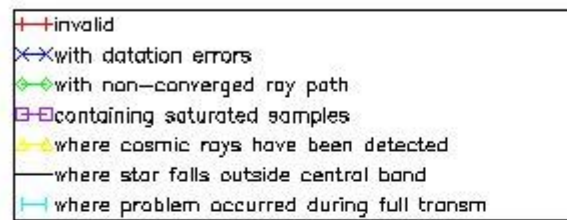
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

4.1 Plot quality information per product (time dependant) coming from level 1b processing

4.1.1 Plot level 1 quality information per product (time dependant): ENVISAT ASCENDING passes



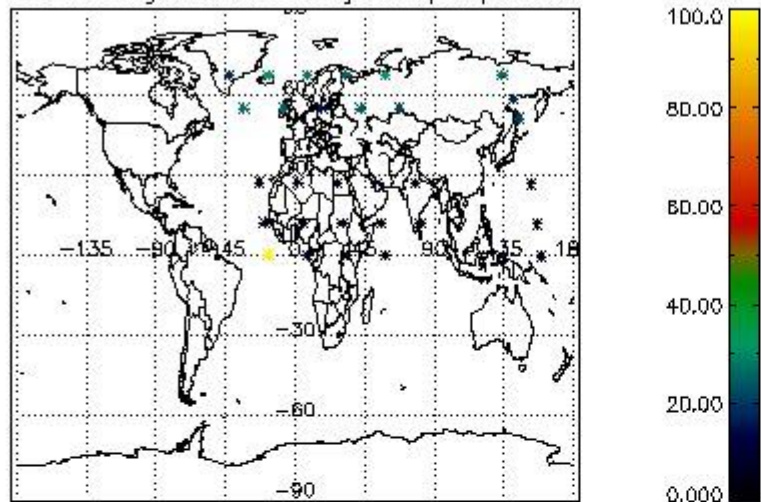
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



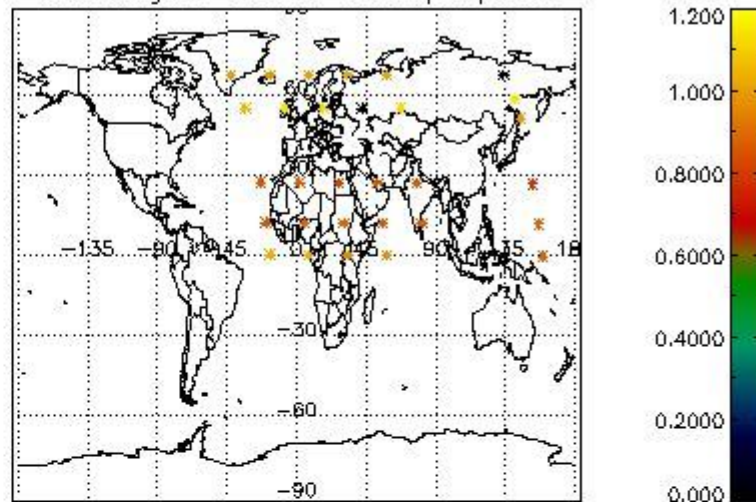
4.2 Plot quality information per product coming from level 1b processing (world map)

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

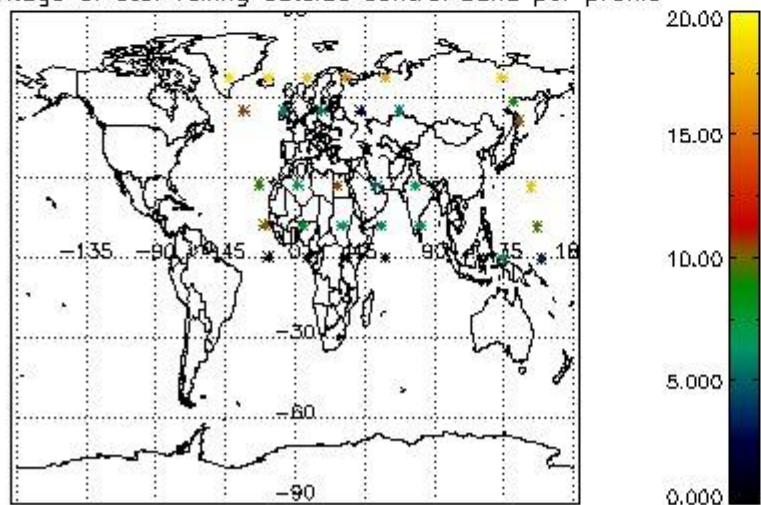
Percentage of cosmic ray hits per profile



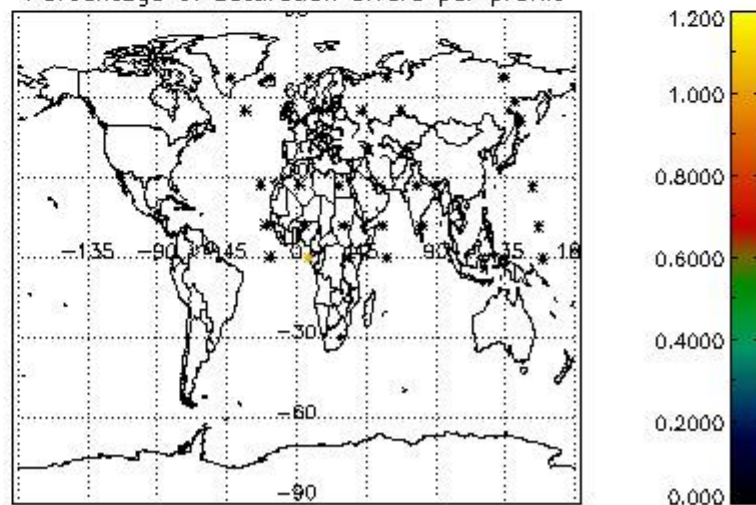
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

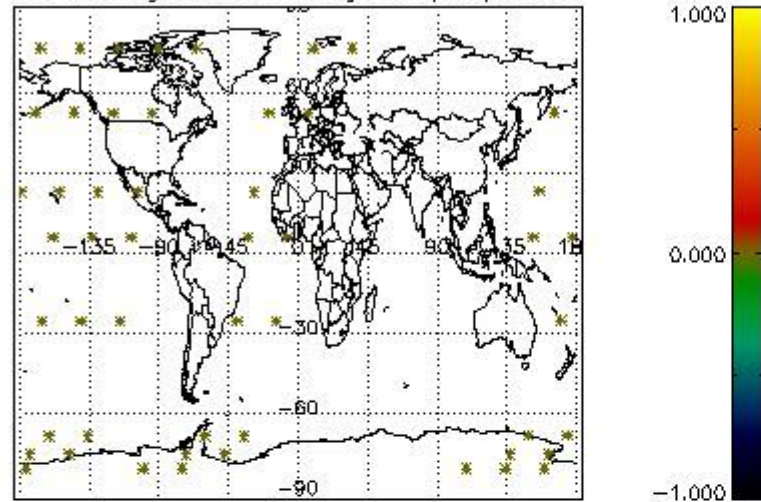


Percentage of saturation errors per profile

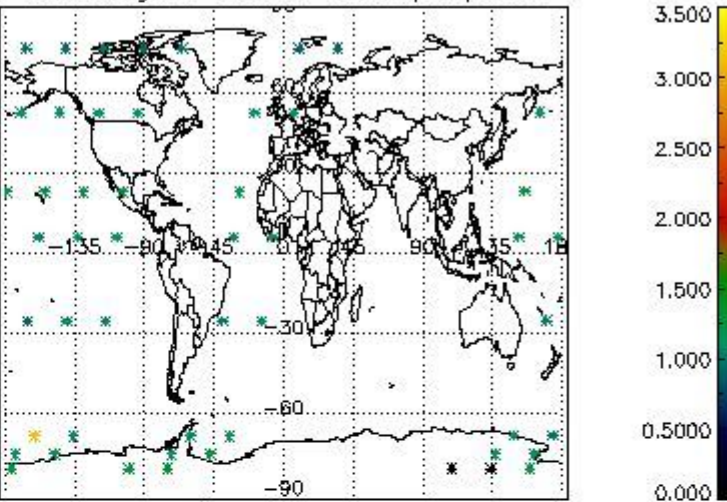


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

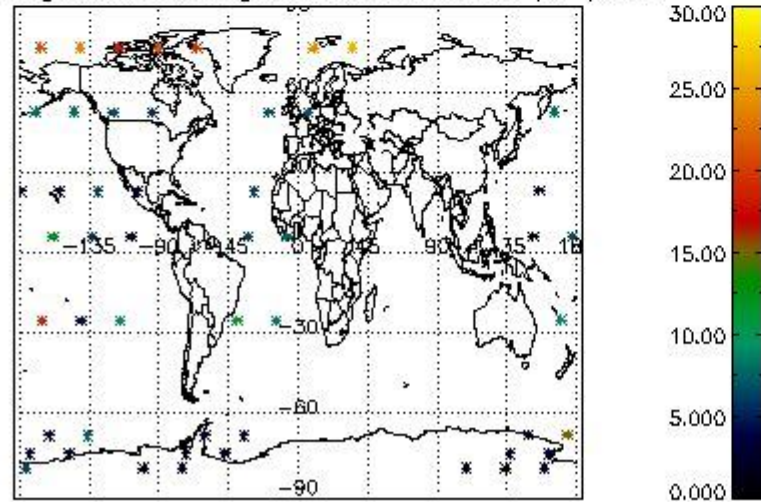
Percentage of cosmic ray hits per profile



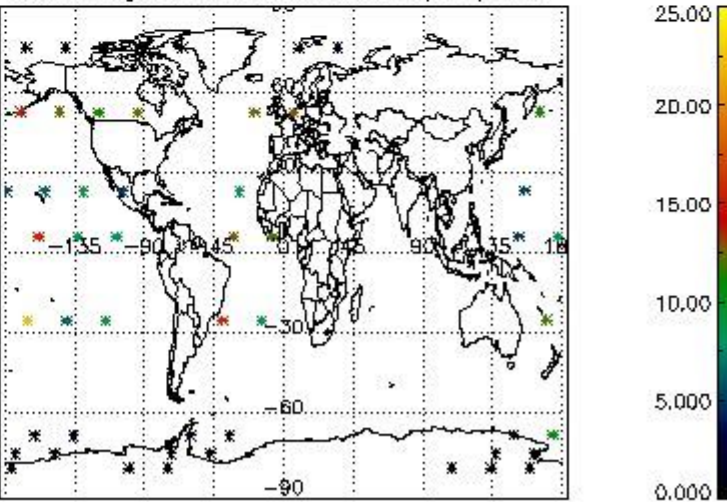
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

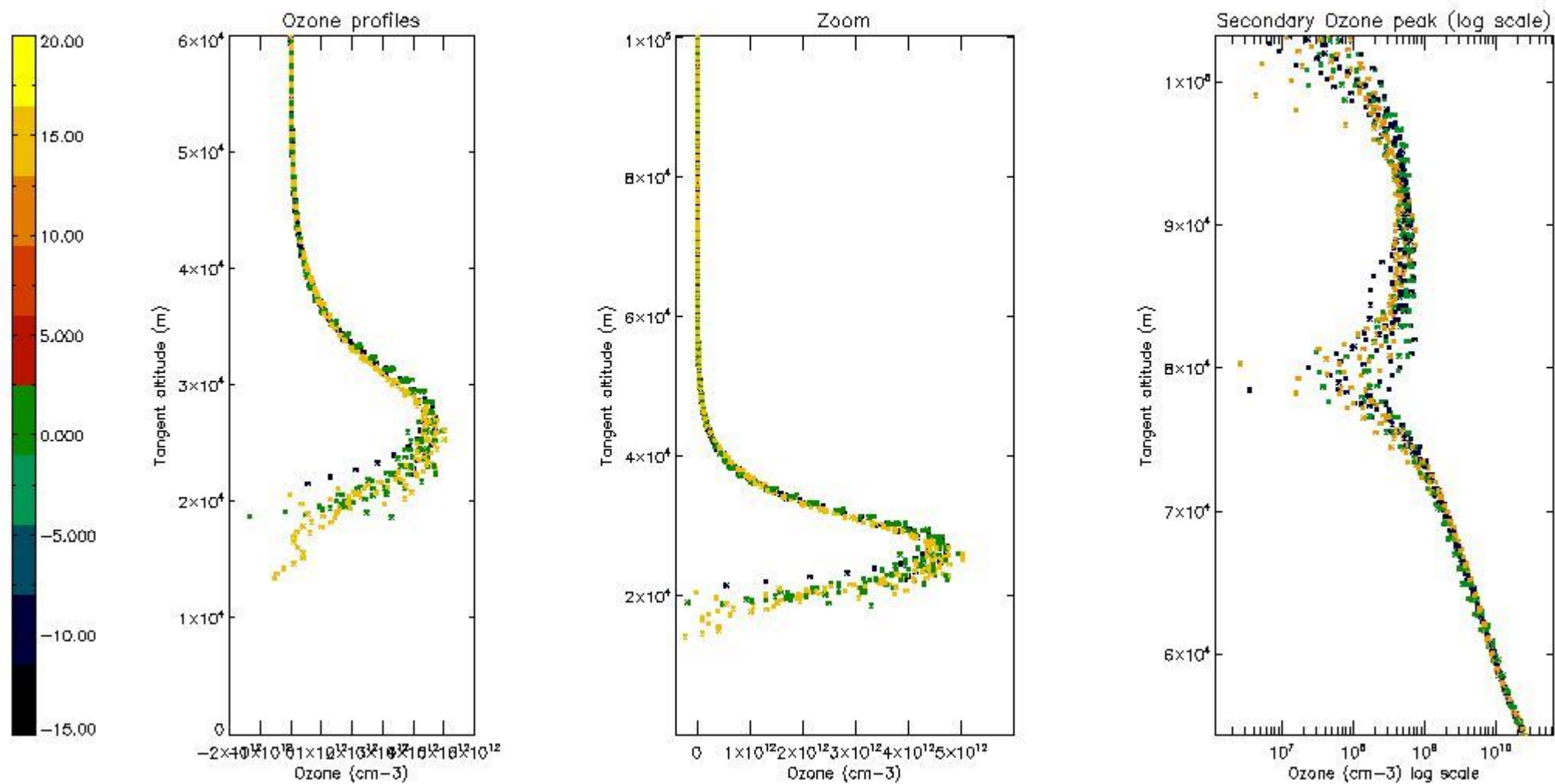
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	27
STD < 20	19

STD < 10	17
STD < 5	14

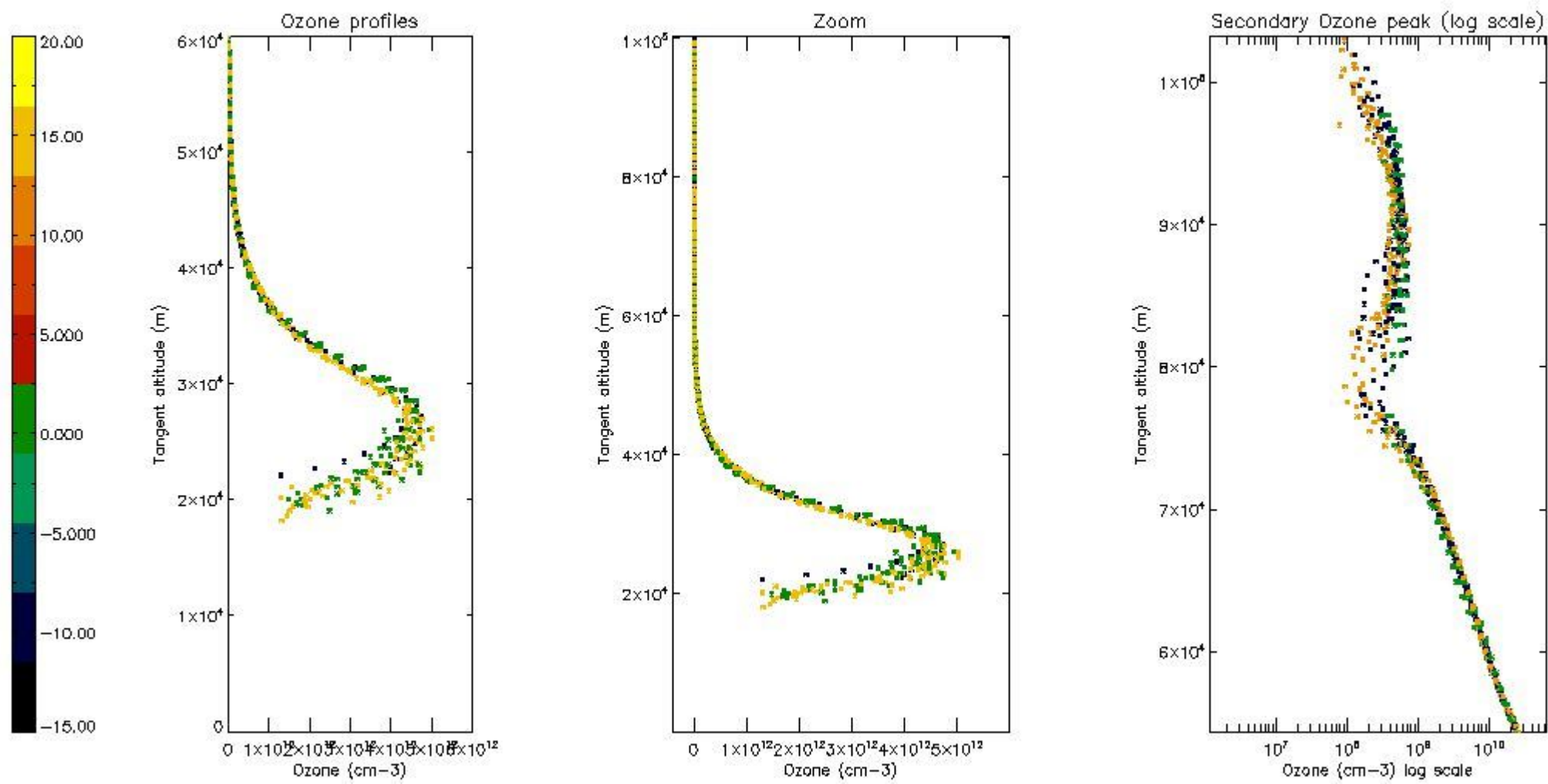
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



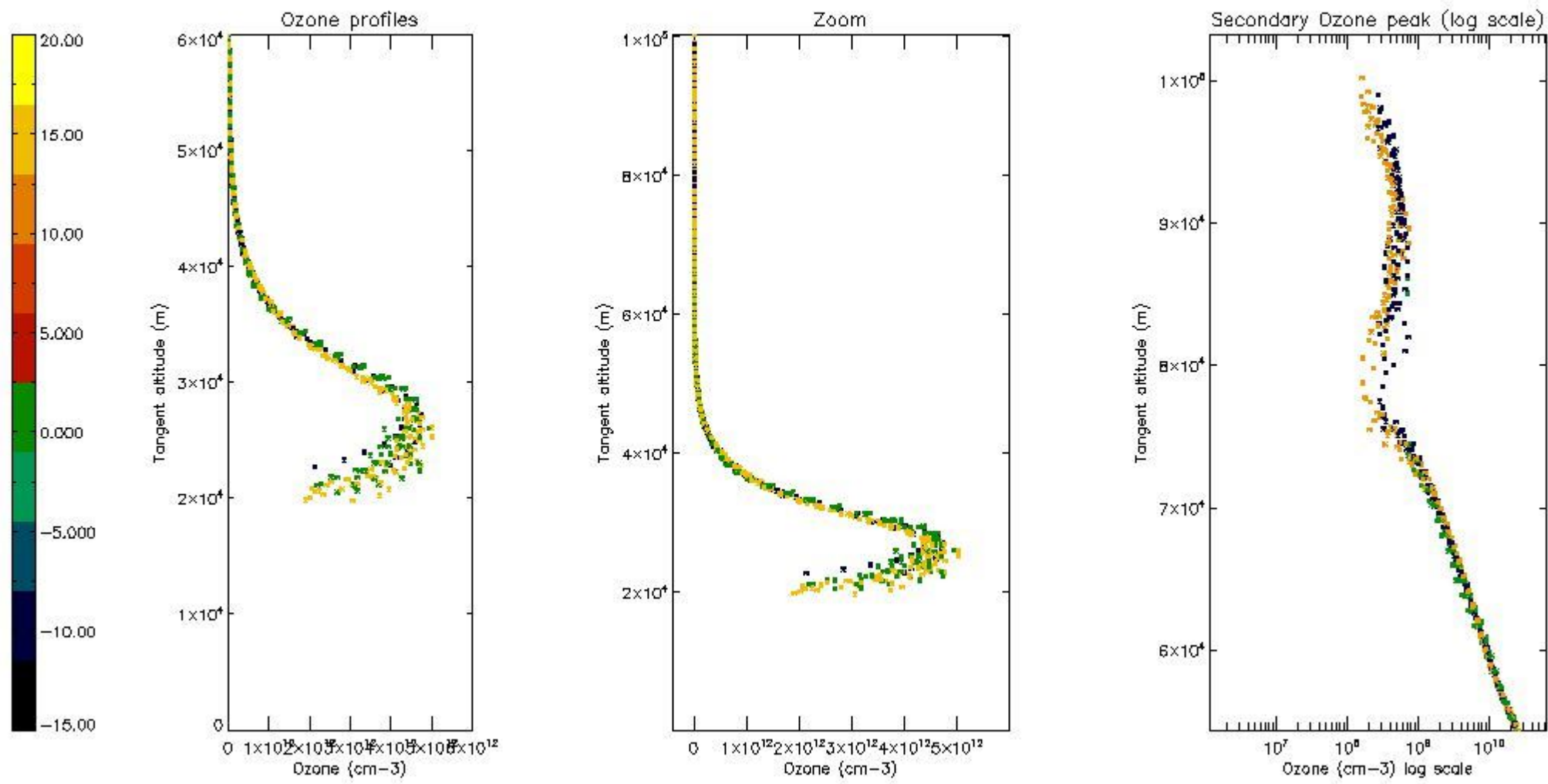
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



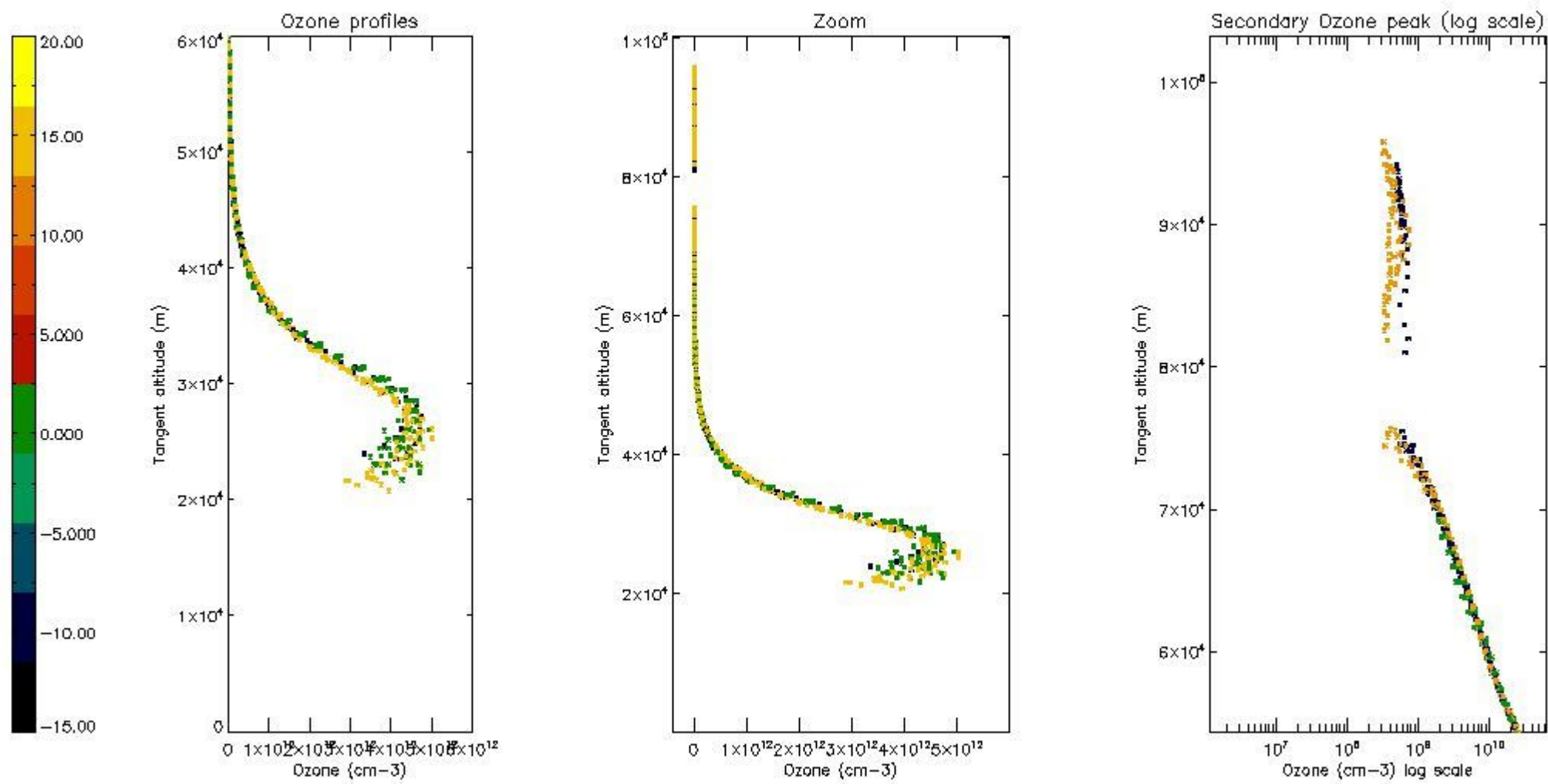
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



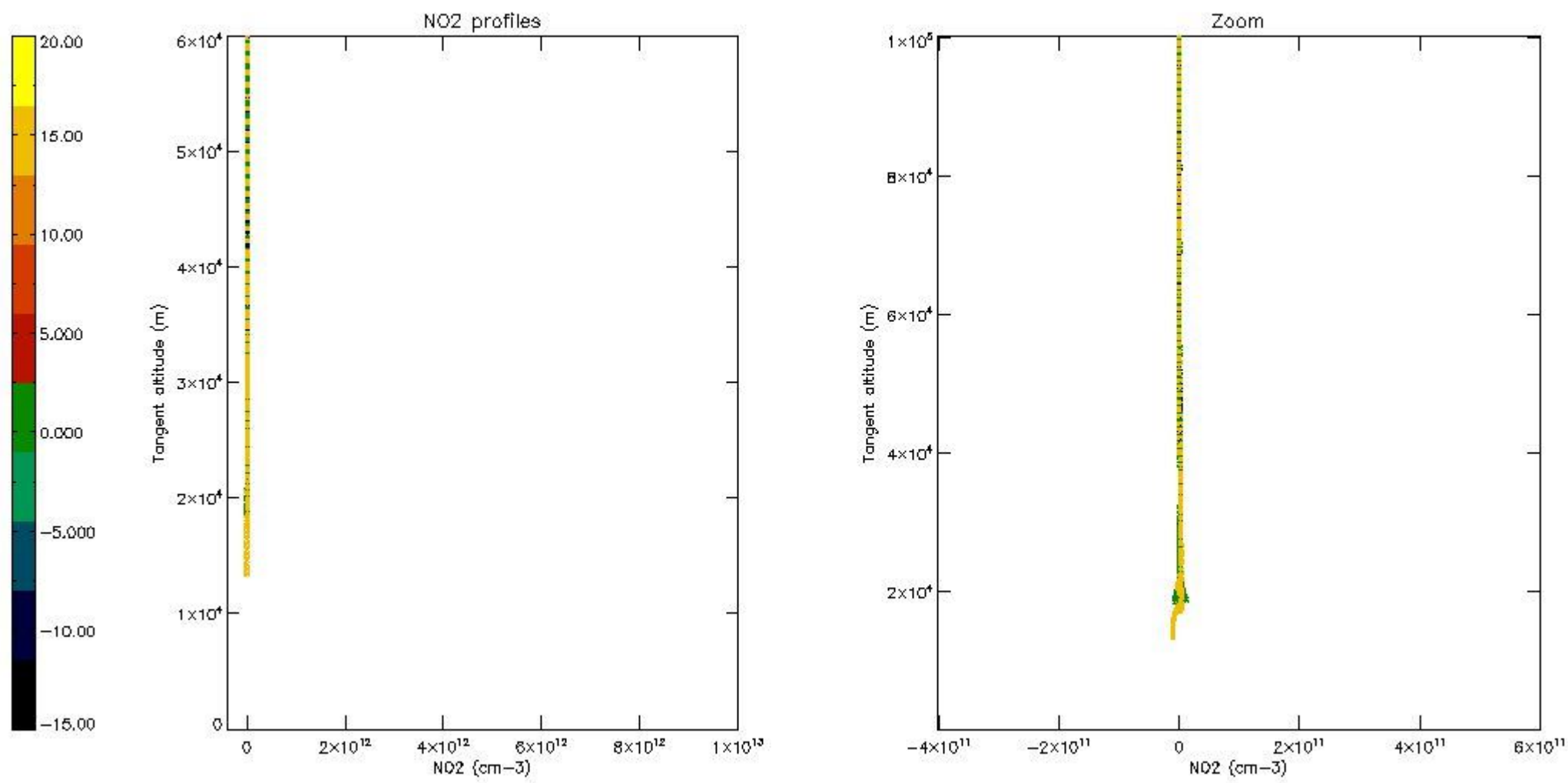
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



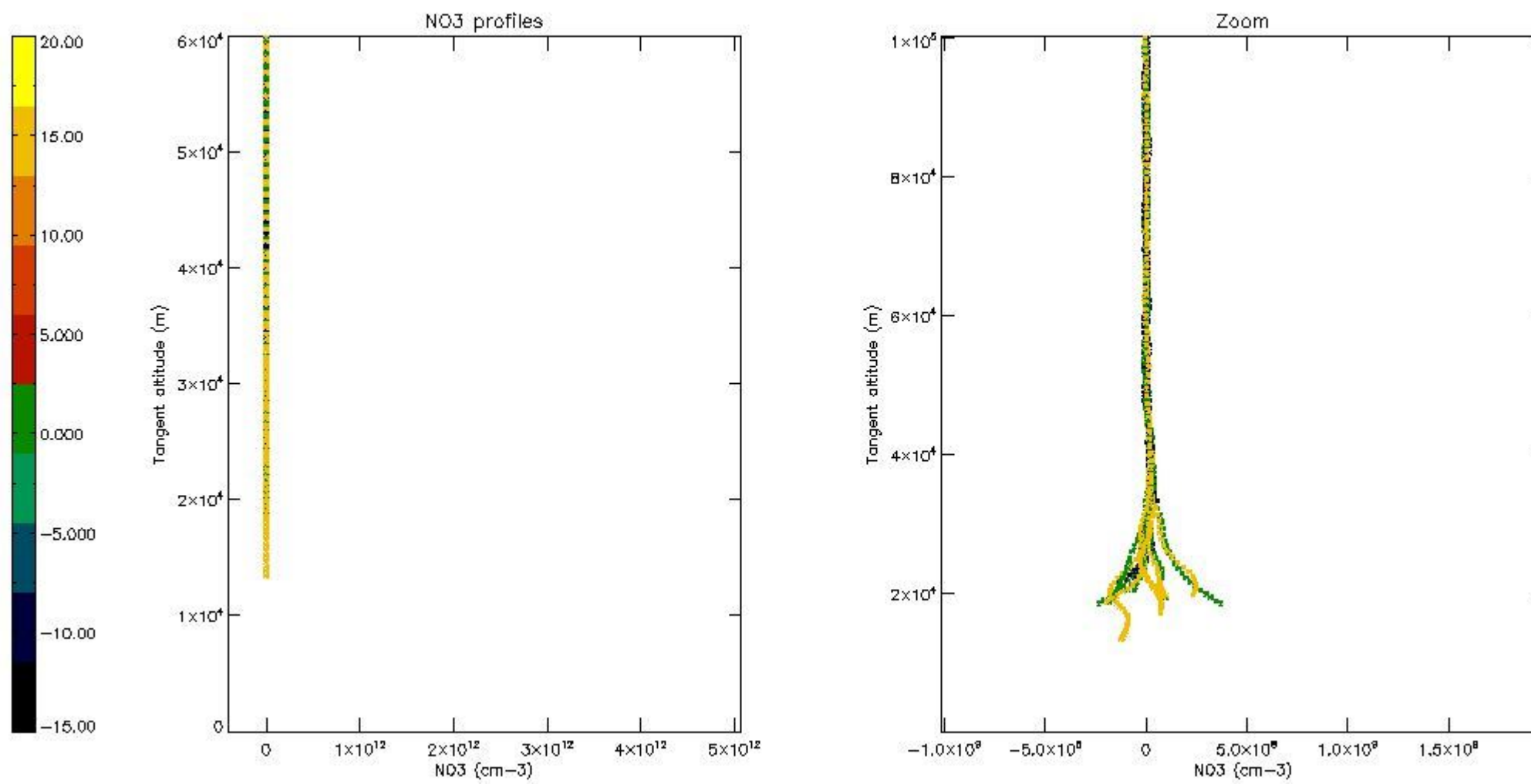
5.6 Plot NO₂ profiles for all STD (dark without errors)

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	07-APR-2009 10:11:45
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	07-APR-2009 10:11:45
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	07-APR-2009 10:11:45

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

[2. Summary of processed GOM_NL_2P products](#)

[3. Level 2 Quality information per product](#)

[3.1 Plot of level 2 quality information per product \(time dependant\)](#)

[3.2 Plot of level 2 quality information per product \(world map\)](#)

[4. Level 1 Quality information per product \(stored on level 2 products\)](#)

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

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

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

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

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

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

[5. Ozone profiles based on quality statistics and other trace gas profiles](#)

[5.1 Ozone statistics based on quality of products](#)

[5.2 Plot ozone profiles for all STD \(dark without errors\)](#)

[5.3 Plot ozone profiles where STD < 20% \(dark without errors\)](#)

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

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

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

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

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

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

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

Item	Value
Time of report generation	26APR2013 08:39:21
Data source version	GOMOS/6.01
Start time of products	07-04-2009 (07APR2009 00:00:00)
Stop time of products	08-04-2009 (08APR2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	82
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

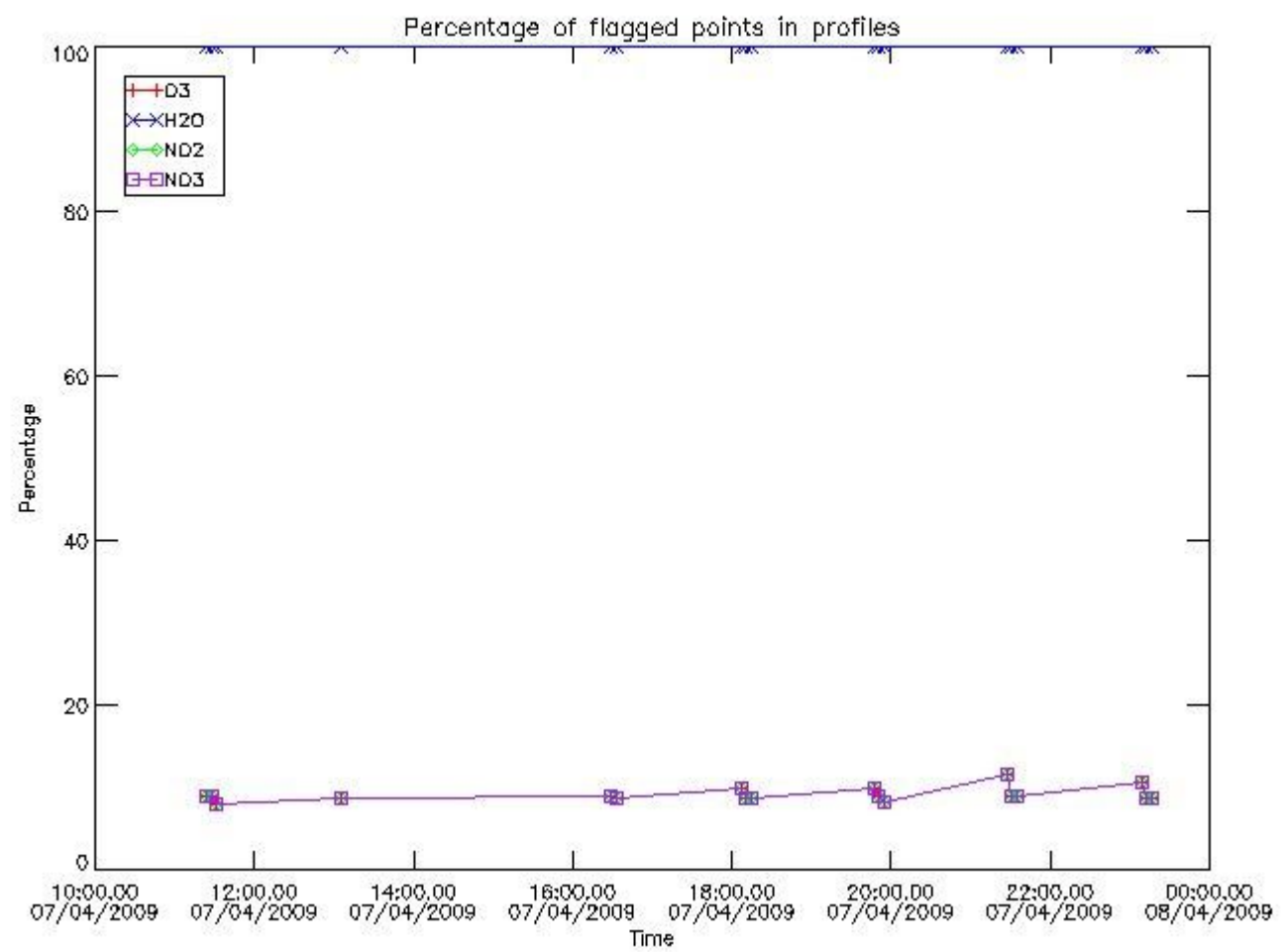
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20090407_101145_000000562078_00008_37136_5060.N1	07-APR-2009 10:11:45	Bright	55.500	15	67Alp Vir	0.97600	28000.	111	37136	No
2	GOM_NL__2PRFIN20090407_101904_000000432078_00008_37136_5061.N1	07-APR-2009 10:19:04	Bright	43.000	138	47Eps Vir	2.8280	4700.0	86	37136	No
3	GOM_NL__2PRFIN20090407_103213_000000462078_00008_37136_5062.N1	07-APR-2009 10:32:13	Bright	45.500	39	85Eta UMa	1.8540	24000.	91	37136	No
4	GOM_NL__2PRFIN20090407_104101_000000482078_00008_37136_5063.N1	07-APR-2009 10:41:01	Bright	47.500	119	14Eta Dra	2.7270	4700.0	95	37136	No
5	GOM_NL__2PRFIN20090407_105319_000000432078_00008_37136_5064.N1	07-APR-2009 10:53:19	Bright	42.500	144	18Del Cyg	2.8600	11000.	85	37136	No
6	GOM_NL__2PRFIN20090407_105528_000000392078_00008_37136_5065.N1	07-APR-2009 10:55:28	Bright	38.500	66	37Gam Cyg	2.2080	5900.0	77	37136	No
7	GOM_NL__2PRFIN20090407_105741_000000372078_00008_37136_5066.N1	07-APR-2009 10:57:41	Bright	36.500	92	53Eps Cyg	2.5000	4500.0	73	37136	No
8	GOM_NL__2PRFIN20090407_112406_000000582078_00008_37136_5067.N1	07-APR-2009 11:24:06	Dark	57.500	57	34Sig Sgr	2.0660	26000.	115	37136	No
9	GOM_NL__2PRFIN20090407_112729_000000572078_00009_37137_5075.N1	07-APR-2009 11:27:29	Dark	57.000	38	20Eps Sgr	1.8360	11000.	114	37137	No
10	GOM_NL__2PRFIN20090407_113141_000000652078_00009_37137_5076.N1	07-APR-2009 11:31:41	Dark	64.500	25	35Lam Sco	1.6200	28000.	129	37137	No
11	GOM_NL__2PRFIN20090407_113838_000000502078_00009_37137_5077.N1	07-APR-2009 11:38:38	Straylight	49.500	131	Gam Lup	2.8000	26000.	99	37137	No
12	GOM_NL__2PRFIN20090407_114044_000000442078_00009_37137_5078.N1	07-APR-2009 11:40:44	Straylight	43.500	81	Eta Cen	2.3560	28000.	87	37137	No
13	GOM_NL__2PRFIN20090407_114317_000000492078_00009_37137_5079.N1	07-APR-2009 11:43:17	Straylight	49.000	54	5The Cen	2.0550	4500.0	98	37137	No
14	GOM_NL__2PRFIN20090407_115220_000000562078_00009_37137_5080.N1	07-APR-2009 11:52:20	Bright	56.000	15	67Alp Vir	0.97600	28000.	112	37137	No
15	GOM_NL__2PRFIN20090407_115939_000000442078_00009_37137_5081.N1	07-APR-2009 11:59:39	Bright	44.000	138	47Eps Vir	2.8280	4700.0	88	37137	No
16	GOM_NL__2PRFIN20090407_120802_000000412078_00009_37137_5082.N1	07-APR-2009 12:08:02	Bright	40.500	152	12Alp2CVn	2.8900	11000.	81	37137	No
17	GOM_NL__2PRFIN20090407_121248_000000472078_00009_37137_5083.N1	07-APR-2009 12:12:48	Bright	46.500	39	85Eta UMa	1.8540	24000.	93	37137	No
18	GOM_NL__2PRFIN20090407_122135_000000522078_00009_37137_5084.N1	07-APR-2009 12:21:35	Bright	52.000	119	14Eta Dra	2.7270	4700.0	104	37137	No
19	GOM_NL__2PRFIN20090407_123355_000000472078_00009_37137_5085.N1	07-APR-2009 12:33:55	Bright	47.000	144	18Del Cyg	2.8600	11000.	94	37137	No
20	GOM_NL__2PRFIN20090407_123603_000000432078_00009_37137_5086.N1	07-APR-2009 12:36:03	Bright	43.000	66	37Gam Cyg	2.2080	5900.0	86	37137	No
21	GOM_NL__2PRFIN20090407_123816_000000412078_00009_37137_5087.N1	07-APR-2009 12:38:16	Bright	40.500	92	53Eps Cyg	2.5000	4500.0	81	37137	No
22	GOM_NL__2PRFIN20090407_130443_000000592078_00009_37137_5088.N1	07-APR-2009 13:04:43	Dark	58.500	57	34Sig Sgr	2.0660	26000.	117	37137	No
23	GOM_NL__2PRFIN20090407_162920_000000582078_00012_37140_5168.N1	07-APR-2009 16:29:20	Dark	57.500	38	20Eps Sgr	1.8360	11000.	115	37140	No
24	GOM_NL__2PRFIN20090407_163332_000000592078_00012_37140_5169.N1	07-APR-2009 16:33:32	Dark	58.500	25	35Lam Sco	1.6200	28000.	117	37140	No
25	GOM_NL__2PRFIN20090407_164128_000000452078_00012_37140_5170.N1	07-APR-2009 16:41:28	Straylight	44.500	109	Bet Lup	2.6770	26000.	89	37140	No
26	GOM_NL__2PRFIN20090407_164506_000000502078_00012_37140_5171.N1	07-APR-2009 16:45:06	Straylight	49.500	54	5The Cen	2.0550	4500.0	99	37140	No
27	GOM_NL__2PRFIN20090407_165408_000000532078_00012_37140_5172.N1	07-APR-2009 16:54:08	Bright	52.500	15	67Alp Vir	0.97600	28000.	105	37140	No
28	GOM_NL__2PRFIN20090407_170126_000000442078_00012_37140_5173.N1	07-APR-2009 17:01:26	Bright	44.000	138	47Eps Vir	2.8280	4700.0	88	37140	No
29	GOM_NL__2PRFIN20090407_170949_000000402078_00012_37140_5174.N1	07-APR-2009 17:09:49	Bright	40.000	152	12Alp2CVn	2.8900	11000.	80	37140	No
30	GOM_NL__2PRFIN20090407_171433_000000452078_00012_37140_5175.N1	07-APR-2009 17:14:33	Bright	44.500	39	85Eta UMa	1.8540	24000.	89	37140	No
31	GOM_NL__2PRFIN20090407_172321_000000492078_00012_37140_5176.N1	07-APR-2009 17:23:21	Bright	49.000	119	14Eta Dra	2.7270	4700.0	98	37140	No
32	GOM_NL__2PRFIN20090407_173542_000000472078_00012_37140_5177.N1	07-APR-2009 17:35:42	Bright	47.000	144	18Del Cyg	2.8600	11000.	94	37140	No
33	GOM_NL__2PRFIN20090407_173751_000000422078_00012_37140_5178.N1	07-APR-2009 17:37:51	Bright	41.500	66	37Gam Cyg	2.2080	5900.0	83	37140	No
34	GOM_NL__2PRFIN20090407_174005_000000402078_00012_37140_5179.N1	07-APR-2009 17:40:05	Bright	39.500	92	53Eps Cyg	2.5000	4500.0	79	37140	No
35	GOM_NL__2PRFIN20090407_180635_000000522078_00012_37140_5180.N1	07-APR-2009 18:06:35	Dark	52.000	57	34Sig Sgr	2.0660	26000.	104	37140	No
36	GOM_NL__2PRFIN20090407_180957_000000592078_00013_37141_5184.N1	07-APR-2009 18:09:57	Dark	58.500	38	20Eps Sgr	1.8360	11000.	117	37141	No
37	GOM_NL__2PRFIN20090407_181410_000000592078_00013_37141_5185.N1	07-APR-2009 18:14:10	Dark	58.500	25	35Lam Sco	1.6200	28000.	117	37141	No
38	GOM_NL__2PRFIN20090407_182204_000000412078_00013_37141_5186.N1	07-APR-2009 18:22:04	Straylight	41.000	109	Bet Lup	2.6770	26000.	82	37141	No
39	GOM_NL__2PRFIN20090407_182542_000000492078_00013_37141_5187.N1	07-APR-2009 18:25:42	Straylight	49.000	54	5The Cen	2.0550	4500.0	98	37141	No
40	GOM_NL__2PRFIN20090407_183444_000000542078_00013_37141_5188.N1	07-APR-2009 18:34:44	Bright	54.000	15	67Alp Vir	0.97600	28000.	108	37141	No
41	GOM_NL__2PRFIN20090407_184202_000000442078_00013_37141_5189.N1	07-APR-2009 18:42:02	Bright	43.500	138	47Eps Vir	2.8280	4700.0	87	37141	No
42	GOM_NL__2PRFIN20090407_185024_000000412078_00013_37141_5190.N1	07-APR-2009 18:50:24	Bright	40.500	152	12Alp2CVn	2.8900	11000.	81	37141	No

43	GOM_NL__2PRFIN20090407_185509_000000452078_00013_37141_5191.N1	07-APR-2009 18:55:09	Bright	44.500	39	85Eta UMa	1.8540	24000.	89	37141	No
44	GOM_NL__2PRFIN20090407_190356_000000482078_00013_37141_5192.N1	07-APR-2009 19:03:56	Bright	47.500	119	14Eta Dra	2.7270	4700.0	95	37141	No
45	GOM_NL__2PRFIN20090407_191618_000000482078_00013_37141_5193.N1	07-APR-2009 19:16:18	Bright	47.500	144	18Del Cyg	2.8600	11000.	95	37141	No
46	GOM_NL__2PRFIN20090407_191827_000000442078_00013_37141_5194.N1	07-APR-2009 19:18:27	Bright	44.000	66	37Gam Cyg	2.2080	5900.0	88	37141	No
47	GOM_NL__2PRFIN20090407_192041_000000412078_00013_37141_5195.N1	07-APR-2009 19:20:41	Bright	41.000	92	53Eps Cyg	2.5000	4500.0	82	37141	No
48	GOM_NL__2PRFIN20090407_194713_000000522078_00013_37141_5220.N1	07-APR-2009 19:47:13	Dark	52.000	57	34Sig Sgr	2.0660	26000.	104	37141	No
49	GOM_NL__2PRFIN20090407_195035_000000572078_00014_37142_5221.N1	07-APR-2009 19:50:35	Dark	56.500	38	20Eps Sgr	1.8360	11000.	113	37142	No
50	GOM_NL__2PRFIN20090407_195447_000000622078_00014_37142_5222.N1	07-APR-2009 19:54:47	Dark	61.500	25	35Lam Sco	1.6200	28000.	123	37142	No
51	GOM_NL__2PRFIN20090407_200241_000000452078_00014_37142_5223.N1	07-APR-2009 20:02:41	Straylight	44.500	109	Bet Lup	2.6770	26000.	89	37142	No
52	GOM_NL__2PRFIN20090407_200619_000000502078_00014_37142_5224.N1	07-APR-2009 20:06:19	Straylight	50.000	54	5The Cen	2.0550	4500.0	100	37142	No
53	GOM_NL__2PRFIN20090407_201520_000000522078_00014_37142_5225.N1	07-APR-2009 20:15:20	Bright	51.500	15	67Alp Vir	0.97600	28000.	103	37142	No
54	GOM_NL__2PRFIN20090407_202237_000000442078_00014_37142_5226.N1	07-APR-2009 20:22:37	Bright	44.000	138	47Eps Vir	2.8280	4700.0	88	37142	No
55	GOM_NL__2PRFIN20090407_203100_000000402078_00014_37142_5227.N1	07-APR-2009 20:31:00	Bright	39.500	152	12Alp2CVn	2.8900	11000.	79	37142	No
56	GOM_NL__2PRFIN20090407_203544_000000482078_00014_37142_5228.N1	07-APR-2009 20:35:44	Bright	48.000	39	85Eta UMa	1.8540	24000.	96	37142	No
57	GOM_NL__2PRFIN20090407_204431_000000572078_00014_37142_5229.N1	07-APR-2009 20:44:31	Bright	56.500	119	14Eta Dra	2.7270	4700.0	113	37142	No
58	GOM_NL__2PRFIN20090407_205653_000000532078_00014_37142_5230.N1	07-APR-2009 20:56:53	Bright	52.500	144	18Del Cyg	2.8600	11000.	105	37142	No
59	GOM_NL__2PRFIN20090407_205903_000000442078_00014_37142_5231.N1	07-APR-2009 20:59:03	Bright	43.500	66	37Gam Cyg	2.2080	5900.0	87	37142	No
60	GOM_NL__2PRFIN20090407_210117_000000412078_00014_37142_5232.N1	07-APR-2009 21:01:17	Bright	40.500	92	53Eps Cyg	2.5000	4500.0	81	37142	No
61	GOM_NL__2PRFIN20090407_212750_000000482078_00014_37142_5236.N1	07-APR-2009 21:27:50	Dark	48.000	57	34Sig Sgr	2.0660	26000.	96	37142	No
62	GOM_NL__2PRFIN20090407_213112_000000572078_00015_37143_5237.N1	07-APR-2009 21:31:12	Dark	56.500	38	20Eps Sgr	1.8360	11000.	113	37143	No
63	GOM_NL__2PRFIN20090407_213524_000000582078_00015_37143_5238.N1	07-APR-2009 21:35:24	Dark	57.500	25	35Lam Sco	1.6200	28000.	115	37143	No
64	GOM_NL__2PRFIN20090407_214317_000000442078_00015_37143_5239.N1	07-APR-2009 21:43:17	Straylight	43.500	109	Bet Lup	2.6770	26000.	87	37143	No
65	GOM_NL__2PRFIN20090407_214655_000000512078_00015_37143_5240.N1	07-APR-2009 21:46:55	Straylight	50.500	54	5The Cen	2.0550	4500.0	101	37143	No
66	GOM_NL__2PRFIN20090407_215556_000000552078_00015_37143_5241.N1	07-APR-2009 21:55:56	Bright	54.500	15	67Alp Vir	0.97600	28000.	109	37143	No
67	GOM_NL__2PRFIN20090407_220313_000000442078_00015_37143_5242.N1	07-APR-2009 22:03:13	Bright	44.000	138	47Eps Vir	2.8280	4700.0	88	37143	No
68	GOM_NL__2PRFIN20090407_221135_000000392078_00015_37143_5243.N1	07-APR-2009 22:11:35	Bright	38.500	152	12Alp2CVn	2.8900	11000.	77	37143	No
69	GOM_NL__2PRFIN20090407_221619_000000452078_00015_37143_5244.N1	07-APR-2009 22:16:19	Bright	44.500	39	85Eta UMa	1.8540	24000.	89	37143	No
70	GOM_NL__2PRFIN20090407_222506_000000502078_00015_37143_5245.N1	07-APR-2009 22:25:06	Bright	50.000	119	14Eta Dra	2.7270	4700.0	100	37143	No
71	GOM_NL__2PRFIN20090407_223729_000000462078_00015_37143_5246.N1	07-APR-2009 22:37:29	Bright	46.000	144	18Del Cyg	2.8600	11000.	92	37143	No
72	GOM_NL__2PRFIN20090407_223938_000000432078_00015_37143_5247.N1	07-APR-2009 22:39:38	Bright	42.500	66	37Gam Cyg	2.2080	5900.0	85	37143	No
73	GOM_NL__2PRFIN20090407_224152_000000412078_00015_37143_5248.N1	07-APR-2009 22:41:52	Bright	40.500	92	53Eps Cyg	2.5000	4500.0	81	37143	No
74	GOM_NL__2PRFIN20090407_230827_000000482078_00015_37143_5258.N1	07-APR-2009 23:08:27	Dark	48.000	57	34Sig Sgr	2.0660	26000.	96	37143	No
75	GOM_NL__2PRFIN20090407_231149_000000592078_00016_37144_5259.N1	07-APR-2009 23:11:49	Dark	58.500	38	20Eps Sgr	1.8360	11000.	117	37144	No
76	GOM_NL__2PRFIN20090407_231601_000000602078_00016_37144_5260.N1	07-APR-2009 23:16:01	Dark	59.500	25	35Lam Sco	1.6200	28000.	119	37144	No
77	GOM_NL__2PRFIN20090407_232354_000000472078_00016_37144_5261.N1	07-APR-2009 23:23:54	Straylight	47.000	109	Bet Lup	2.6770	26000.	94	37144	No
78	GOM_NL__2PRFIN20090407_232731_000000502078_00016_37144_5262.N1	07-APR-2009 23:27:31	Straylight	50.000	54	5The Cen	2.0550	4500.0	100	37144	No
79	GOM_NL__2PRFIN20090407_233631_000000532078_00016_37144_5263.N1	07-APR-2009 23:36:31	Bright	52.500	15	67Alp Vir	0.97600	28000.	105	37144	No
80	GOM_NL__2PRFIN20090407_234348_000000442078_00016_37144_5264.N1	07-APR-2009 23:43:48	Bright	43.500	138	47Eps Vir	2.8280	4700.0	87	37144	No
81	GOM_NL__2PRFIN20090407_235211_000000392078_00016_37144_5265.N1	07-APR-2009 23:52:11	Bright	39.000	152	12Alp2CVn	2.8900	11000.	78	37144	No
82	GOM_NL__2PRFIN20090407_235654_000000422078_00016_37144_5266.N1	07-APR-2009 23:56:54	Bright	41.500	39	85Eta UMa	1.8540	24000.	83	37144	No

3. Quality information per product

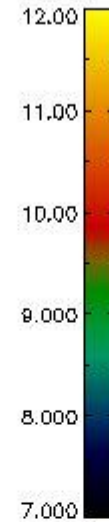
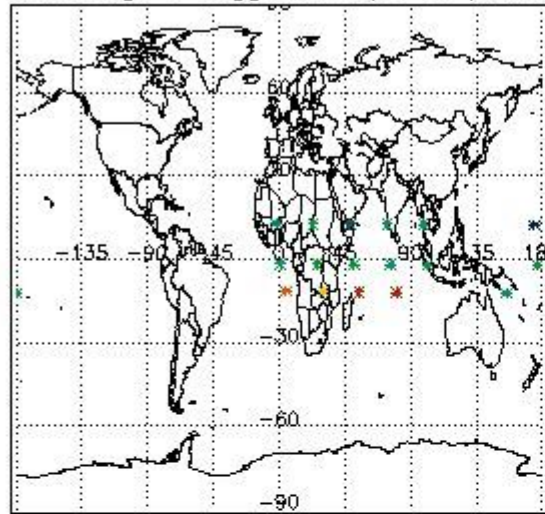
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

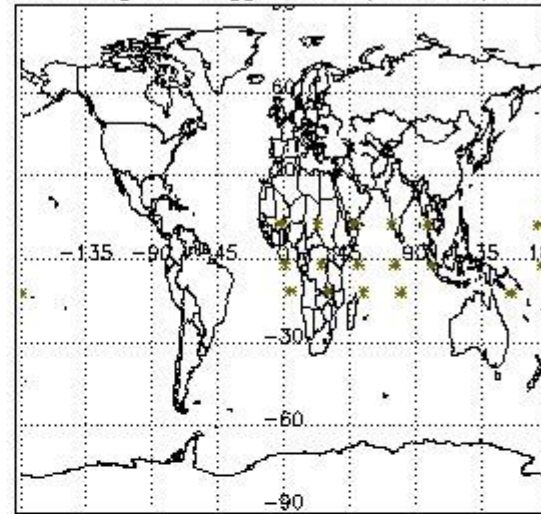


3.2 Plot quality information per product (world map)

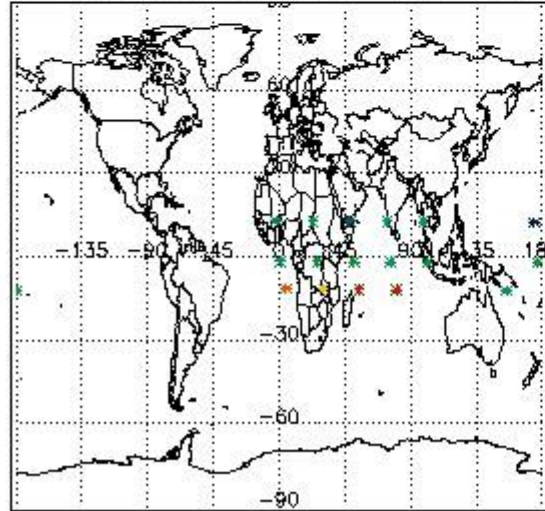
Percentage of flagged data per O3 profile



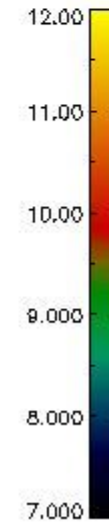
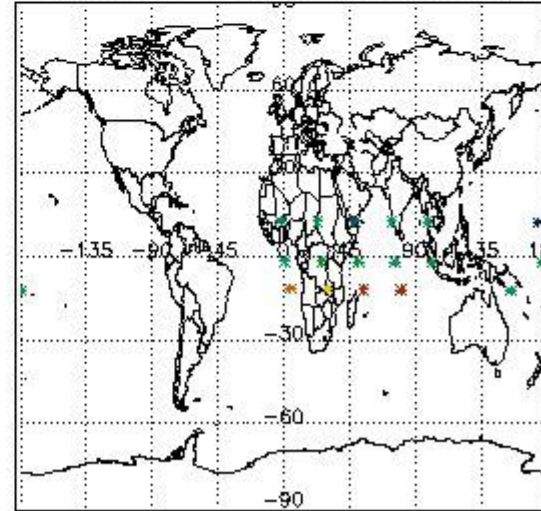
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

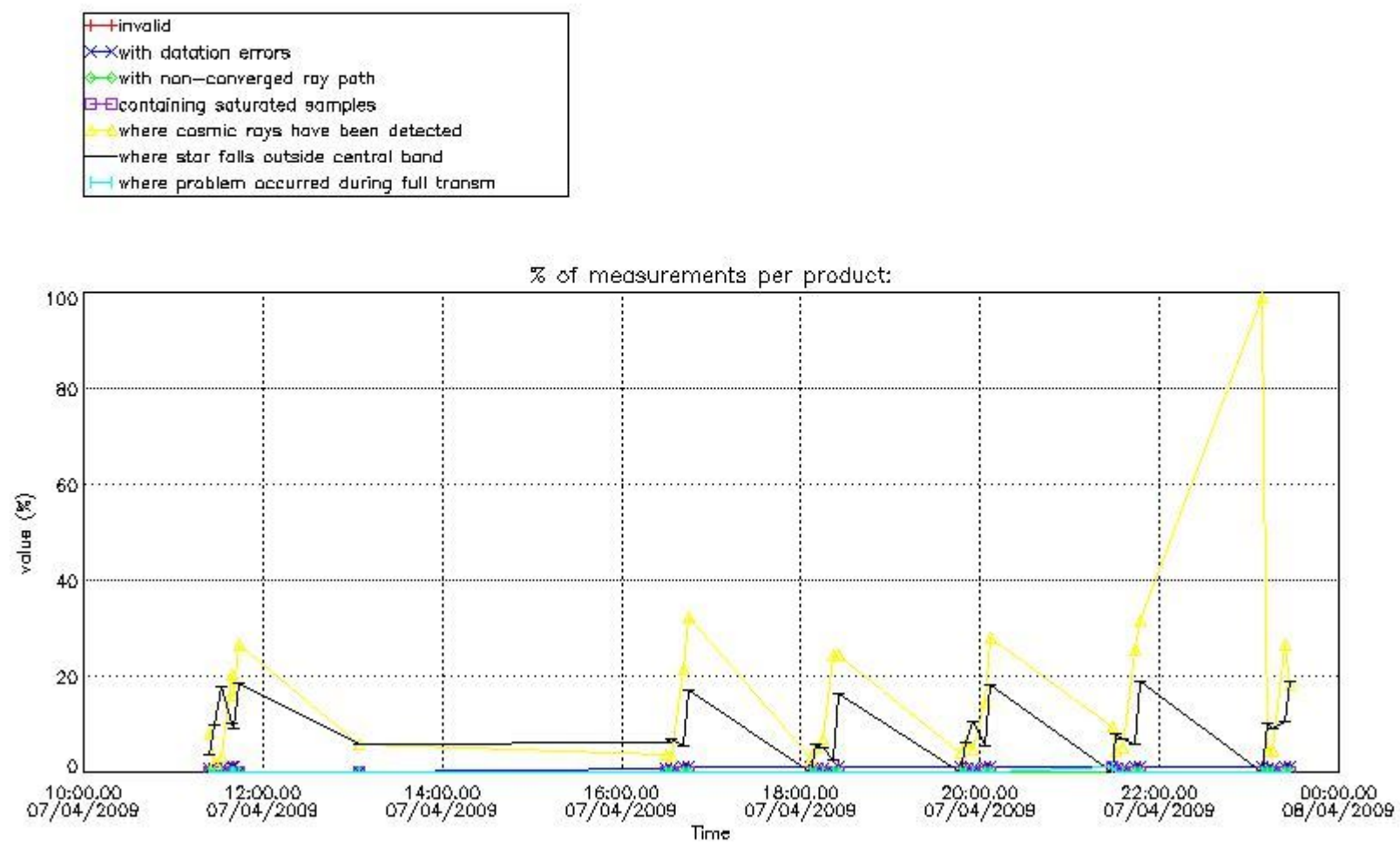


4. Level 1 quality information per product

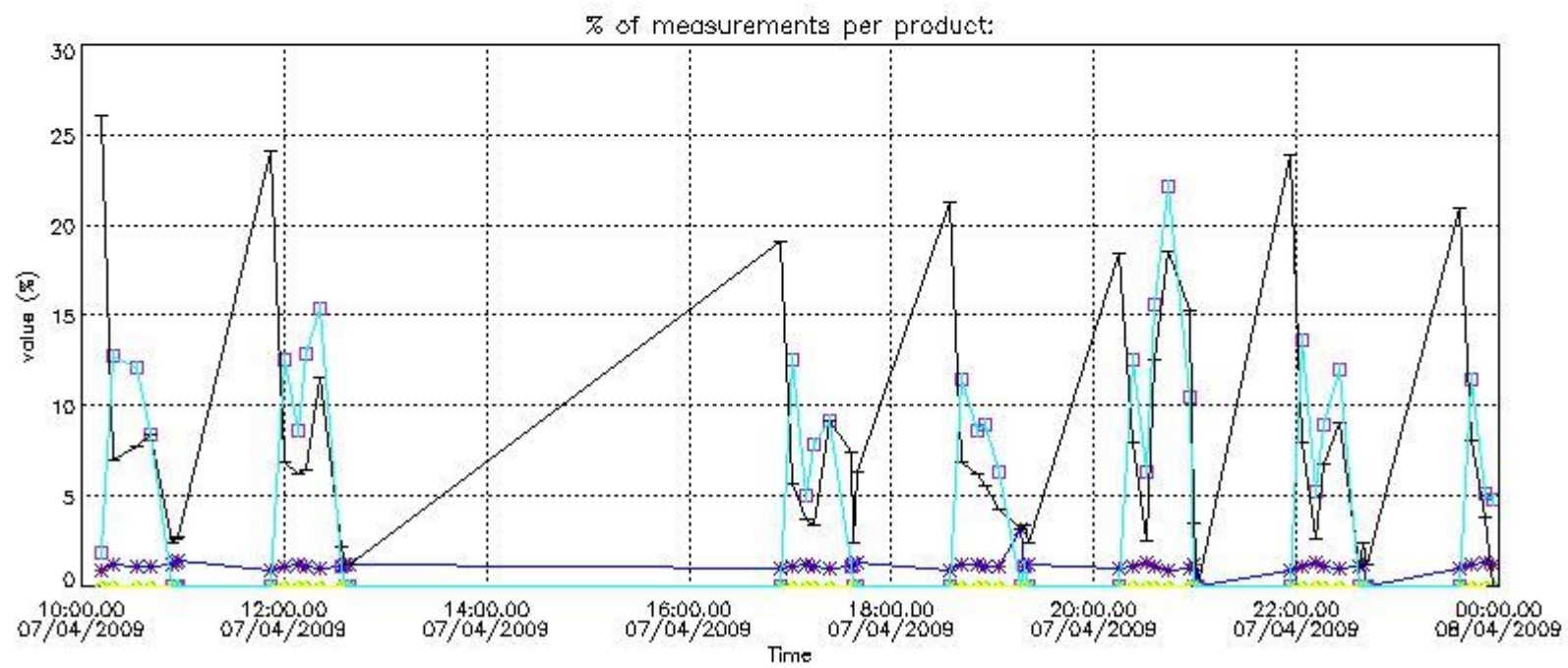
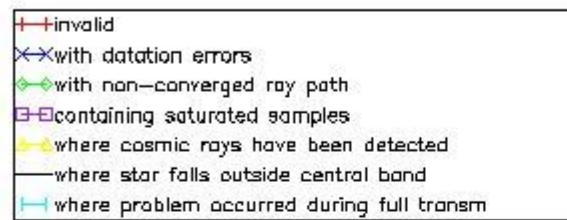
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

4.1 Plot quality information per product (time dependant) coming from level 1b processing

4.1.1 Plot level 1 quality information per product (time dependant): ENVISAT ASCENDING passes



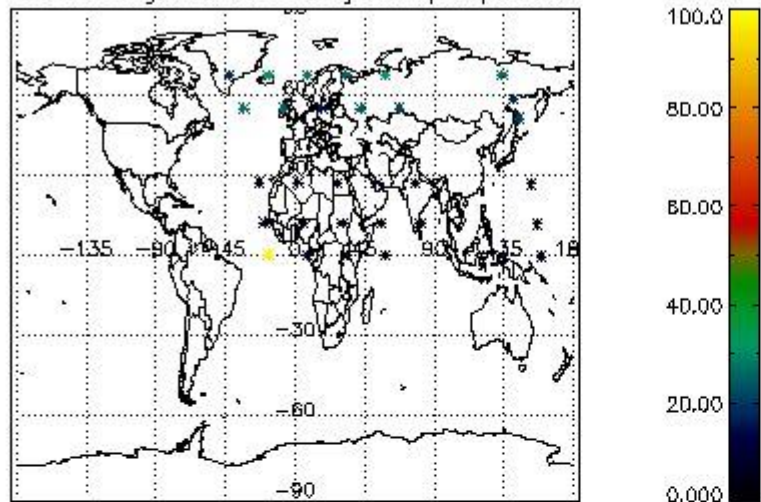
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



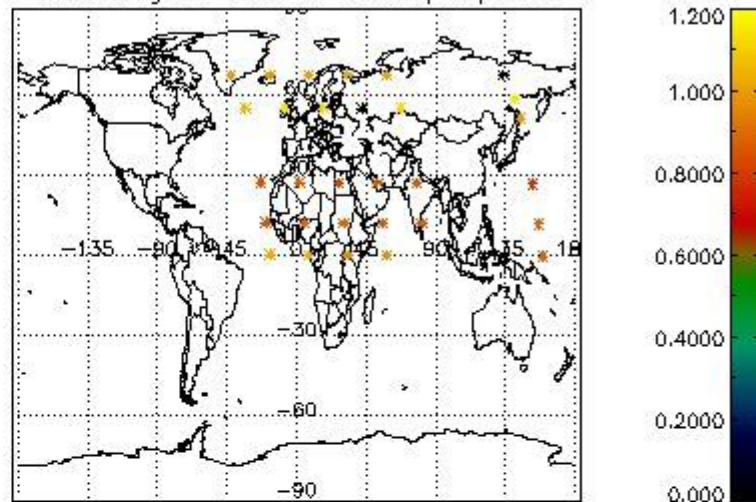
4.2 Plot quality information per product coming from level 1b processing (world map)

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

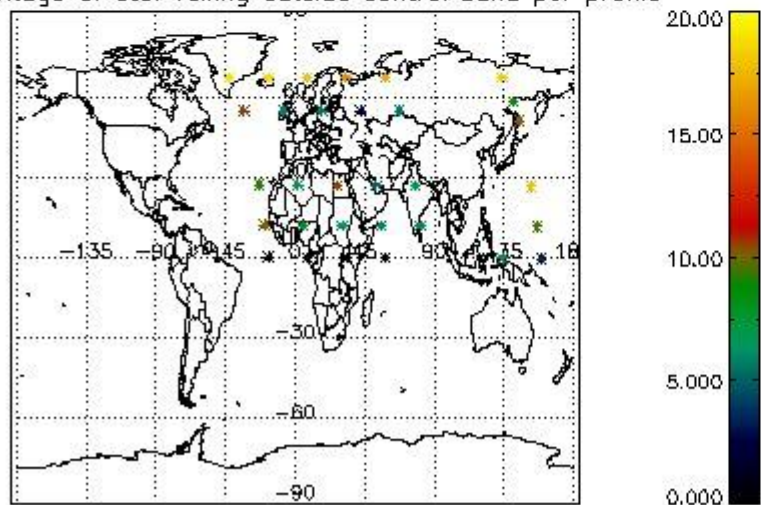
Percentage of cosmic ray hits per profile



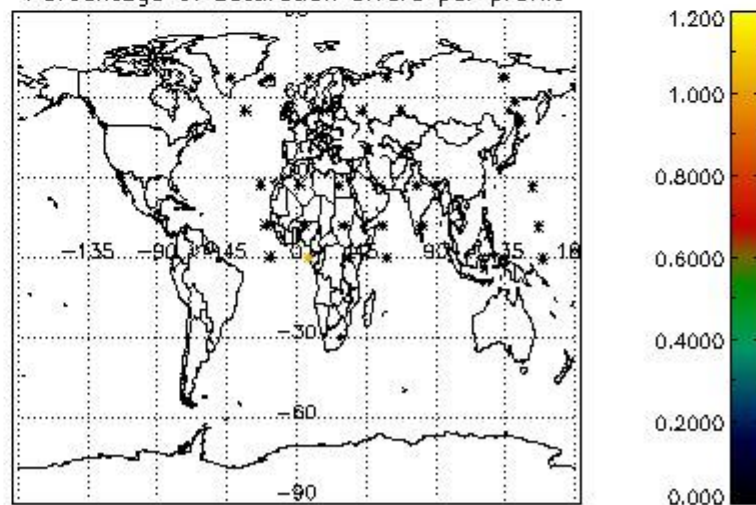
Percentage of datation errors per profile



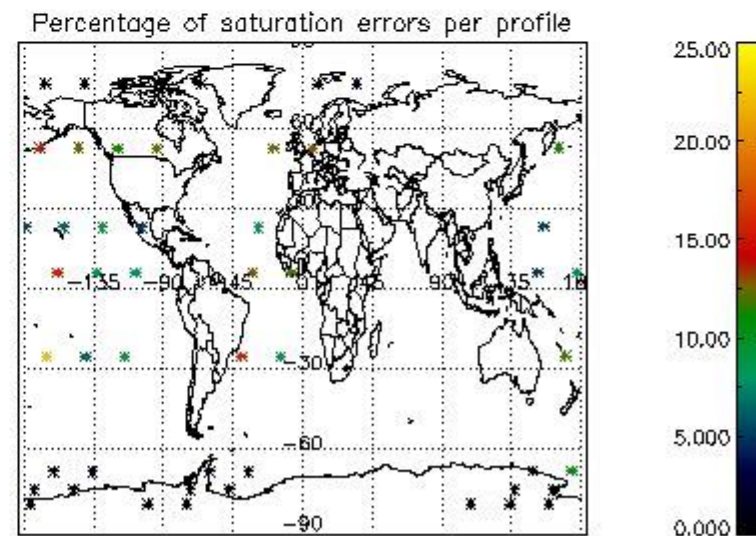
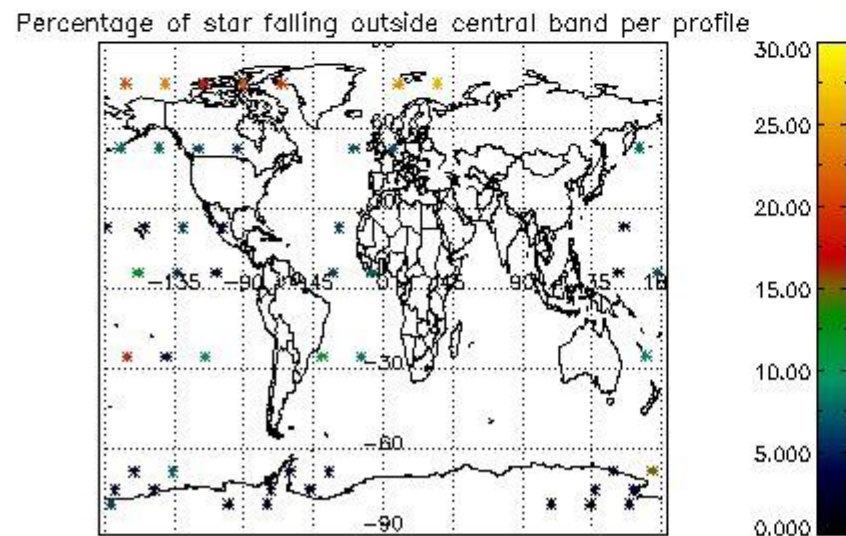
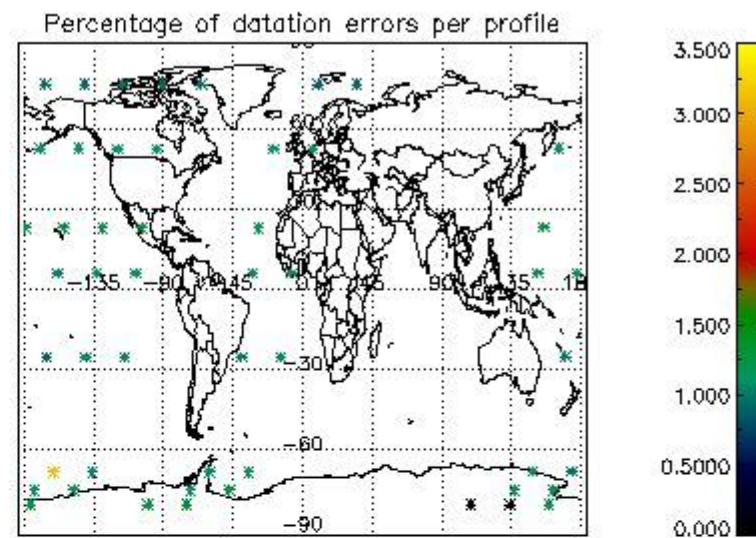
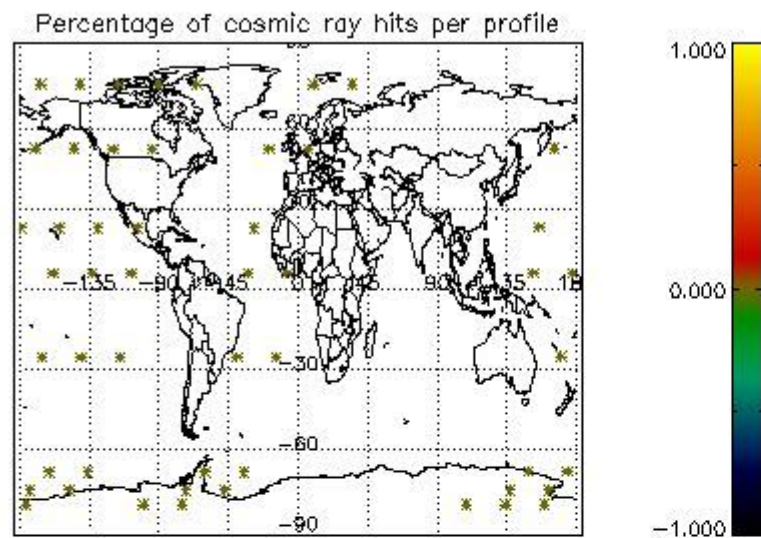
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

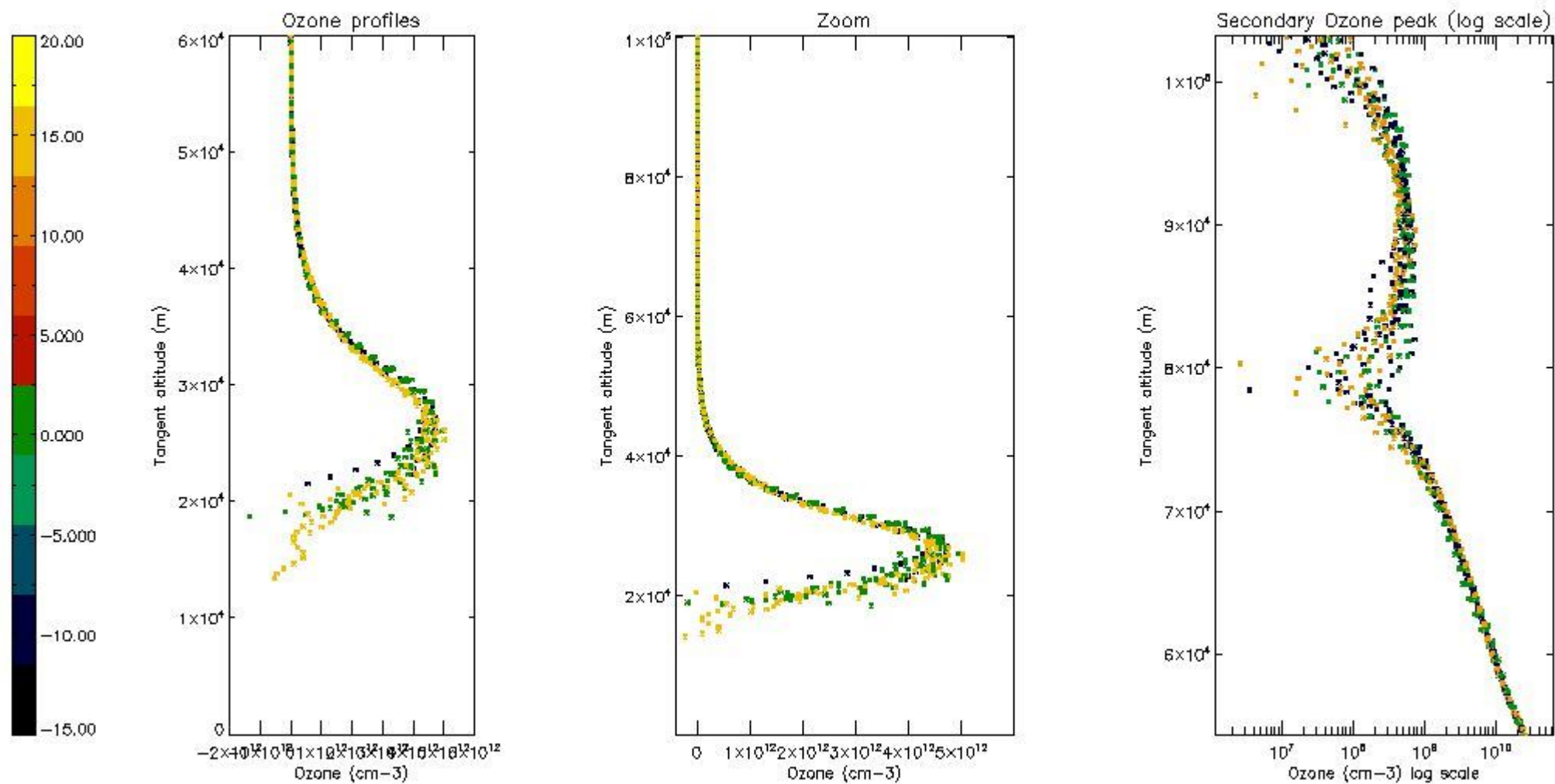
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	27
STD < 20	19

STD < 10	17
STD < 5	14

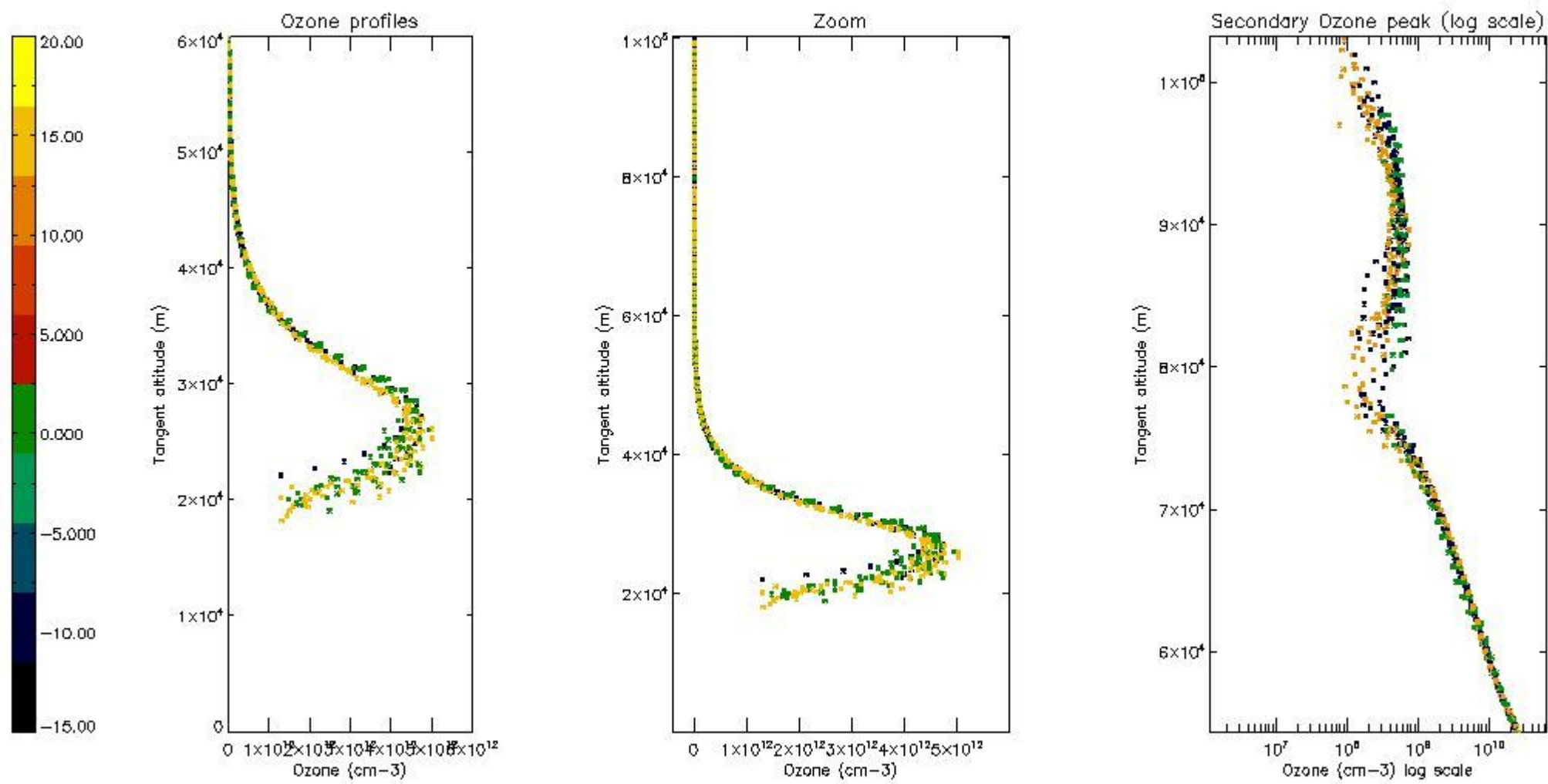
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



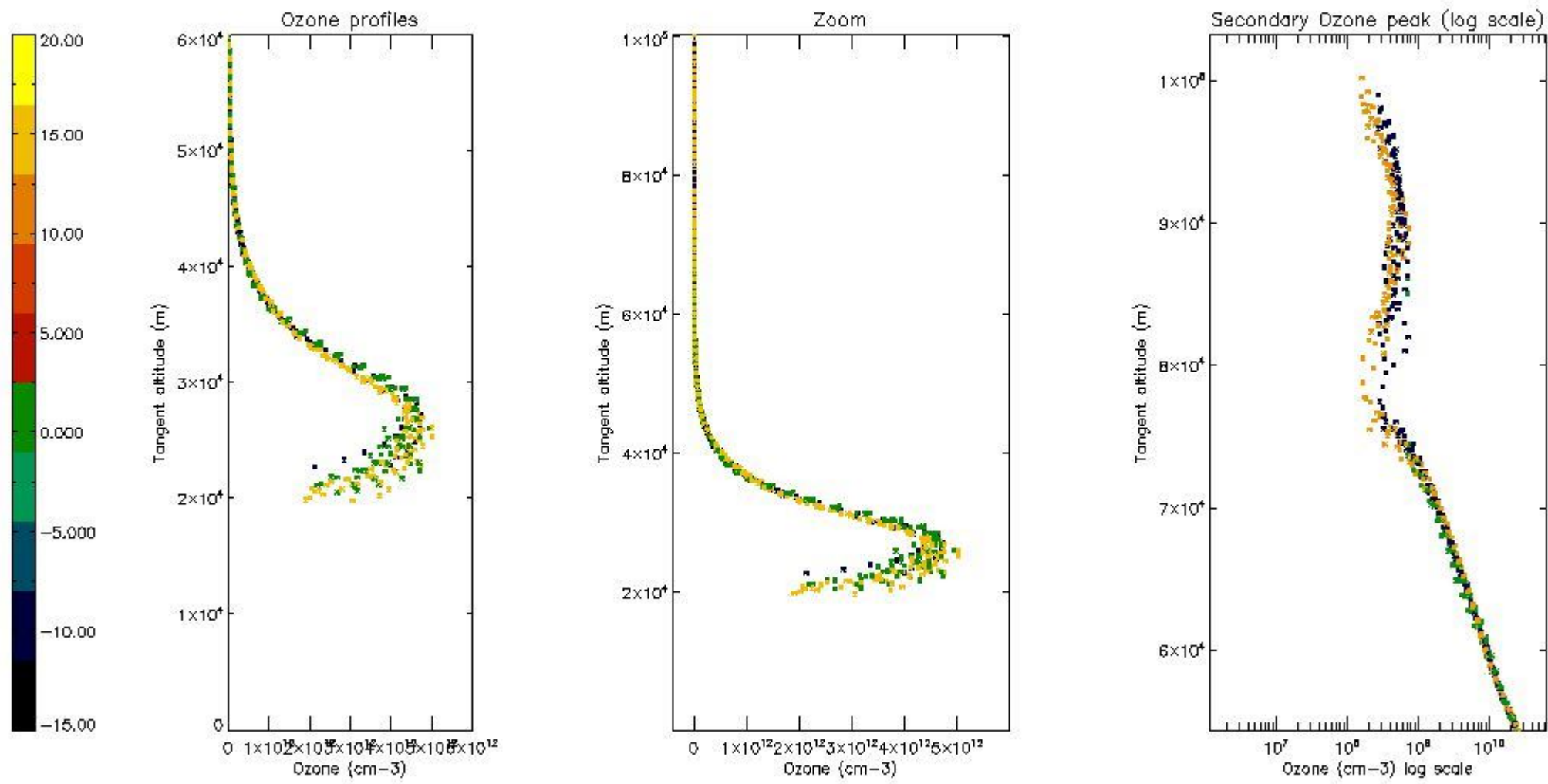
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



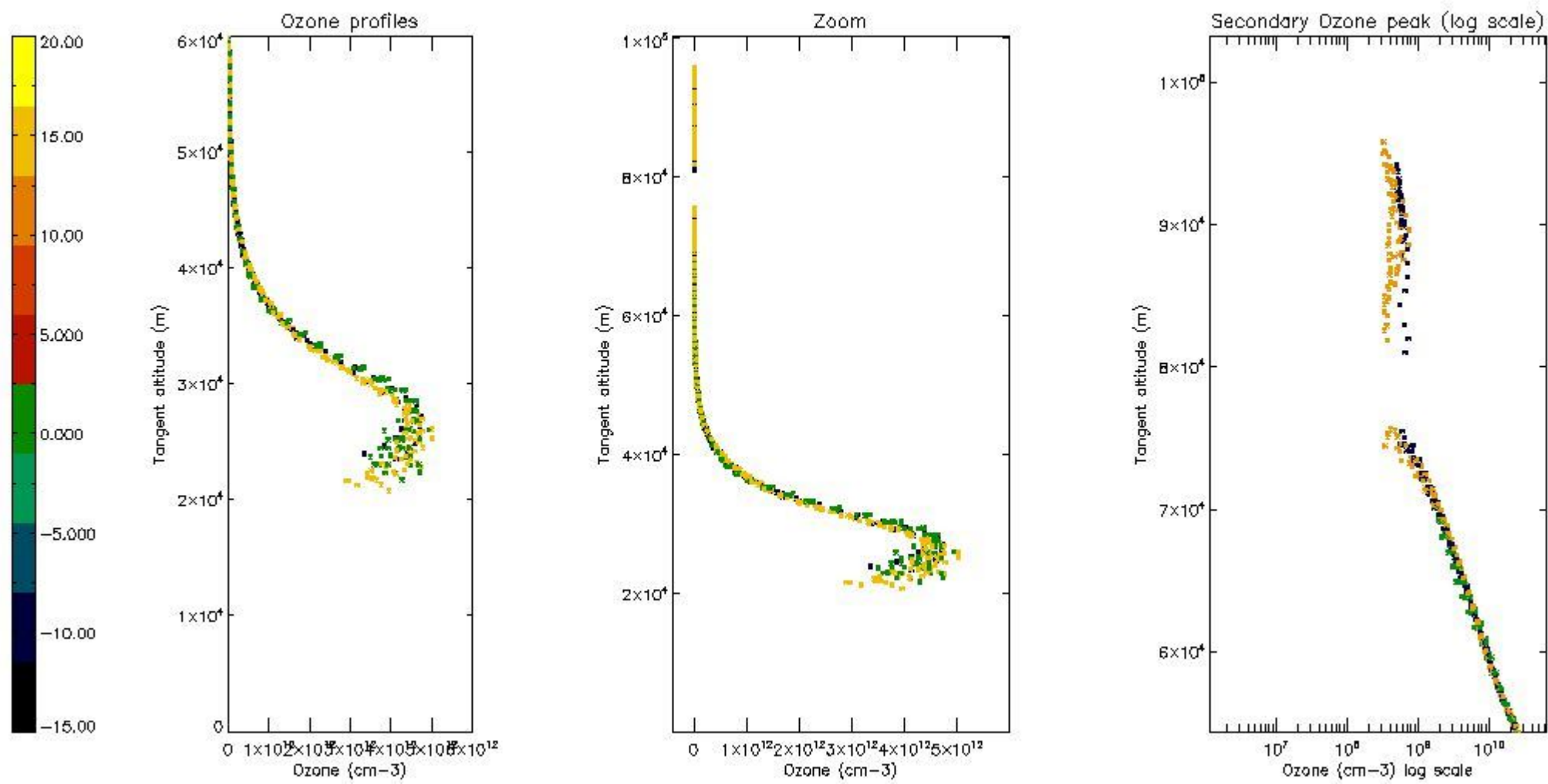
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



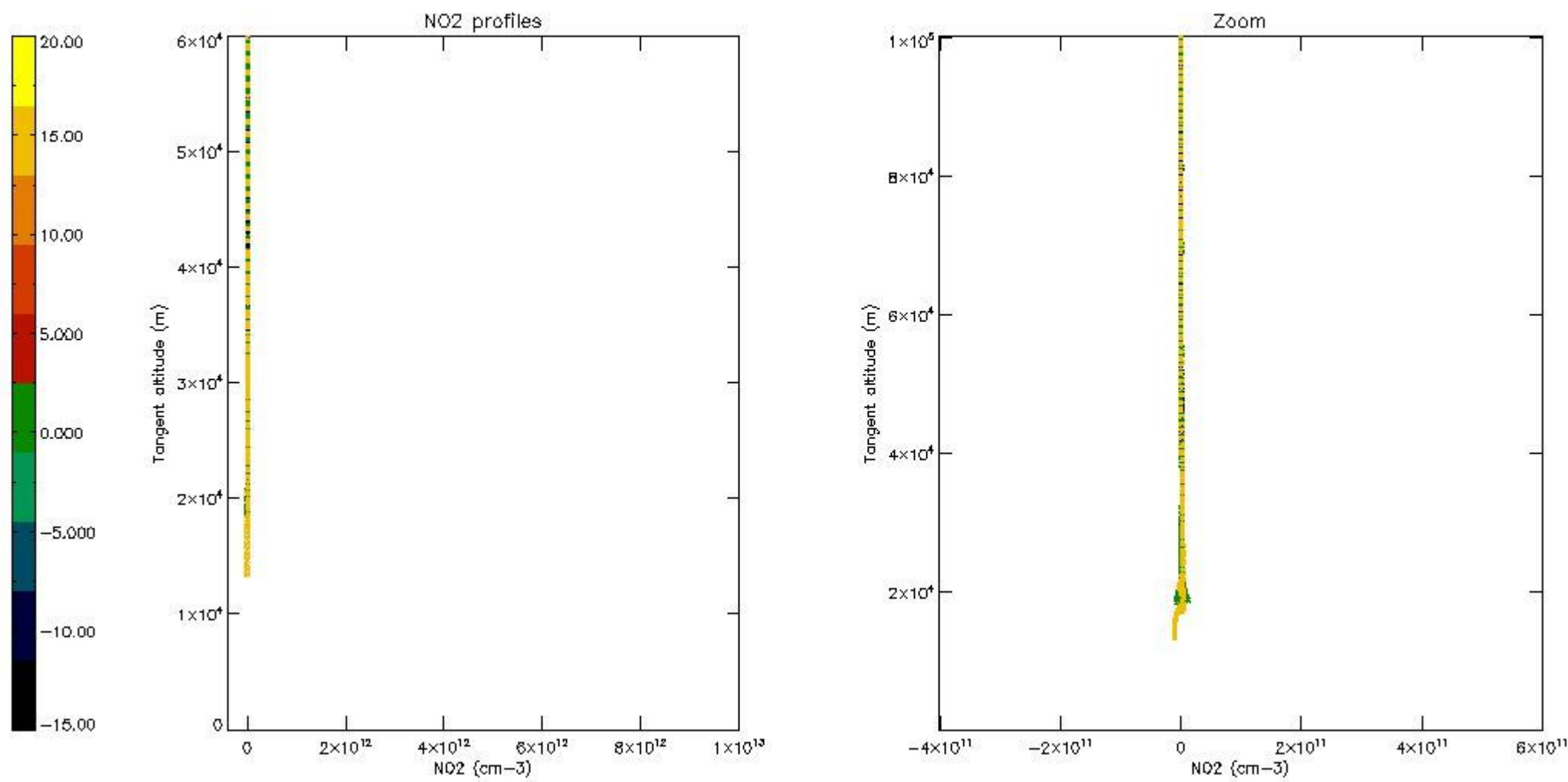
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



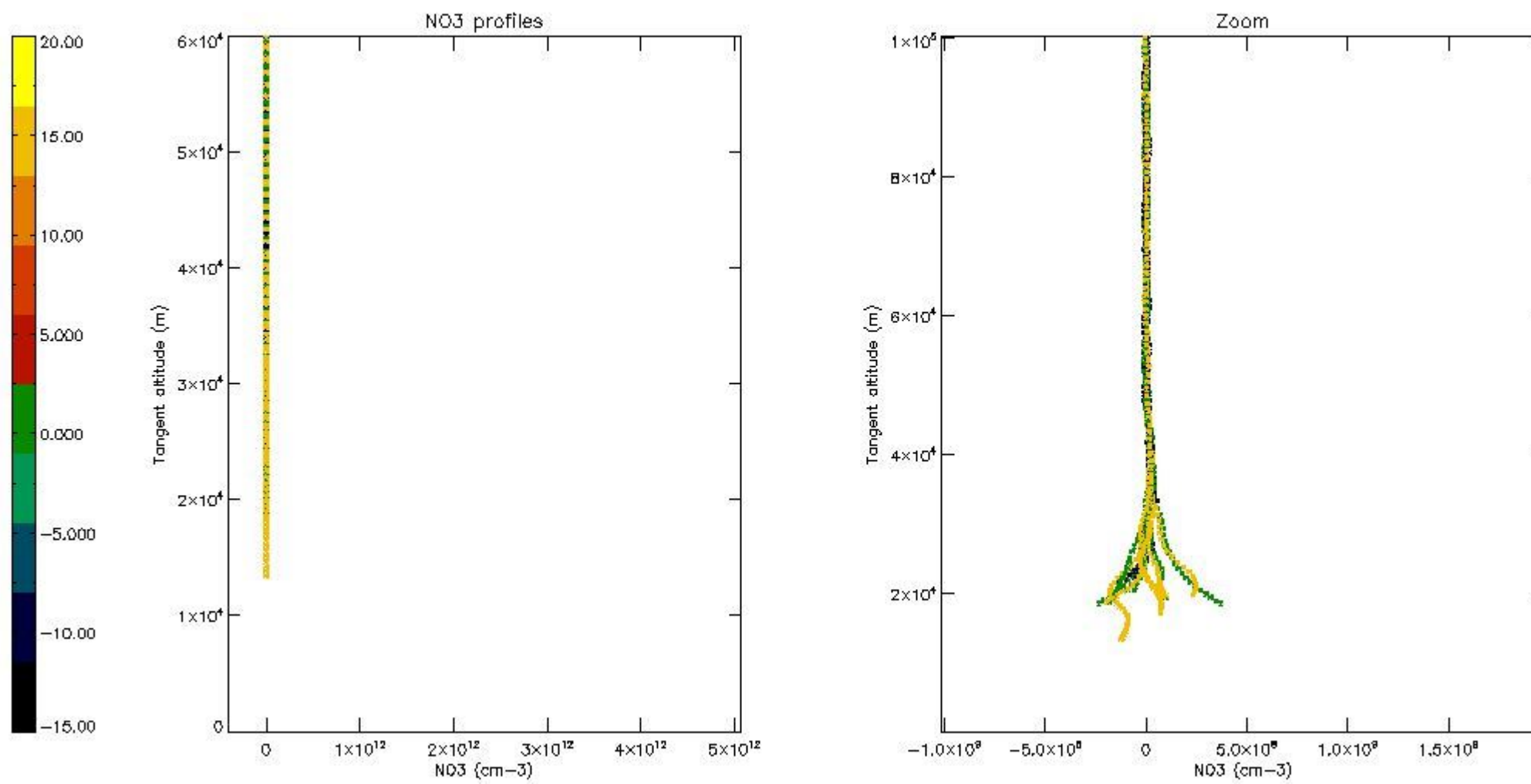
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

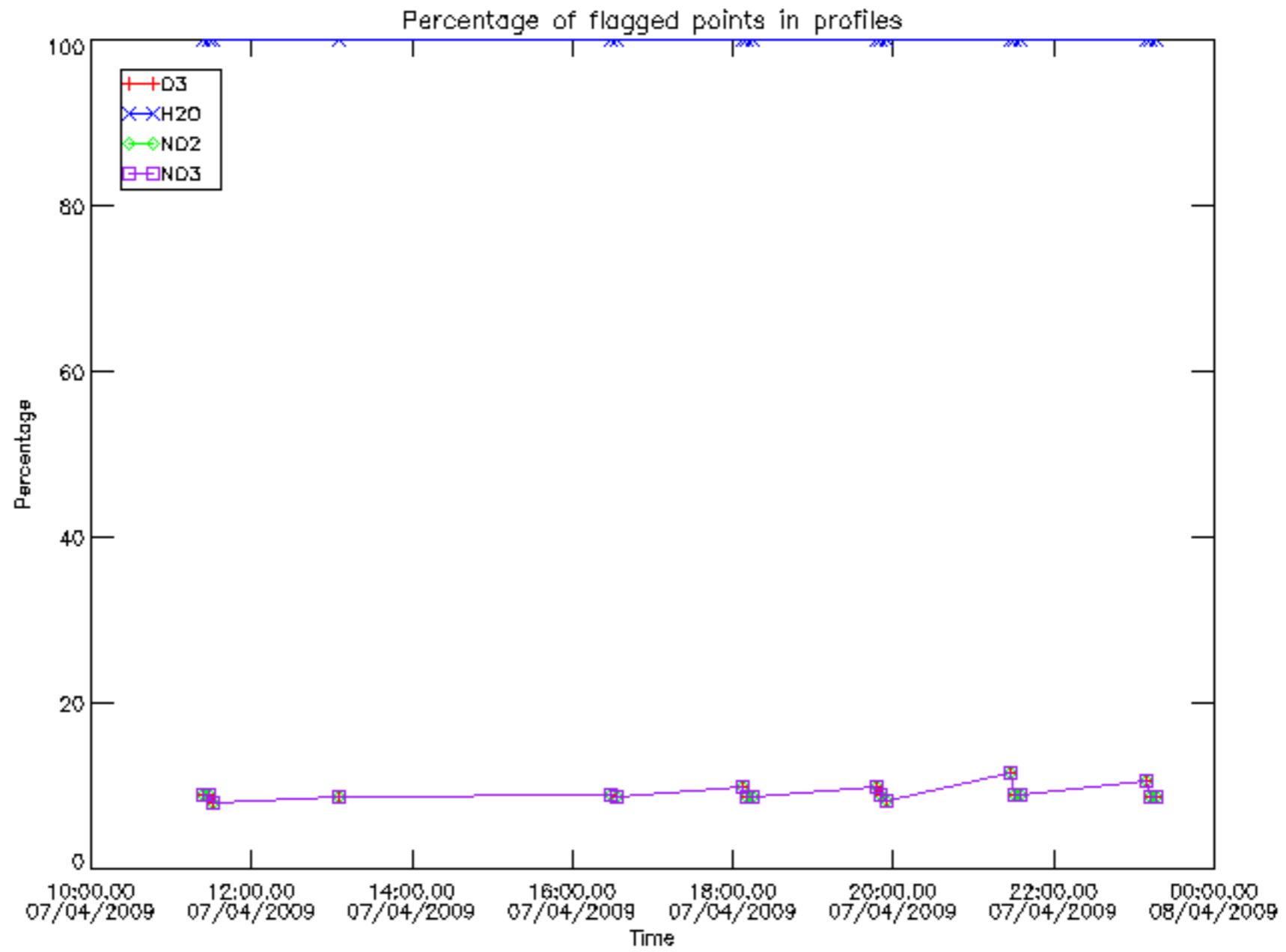
The colorbar represents the latitude.



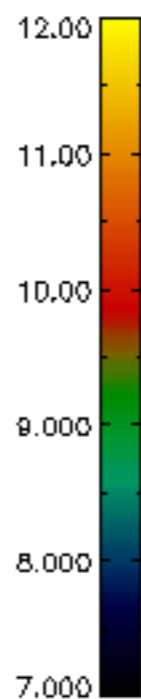
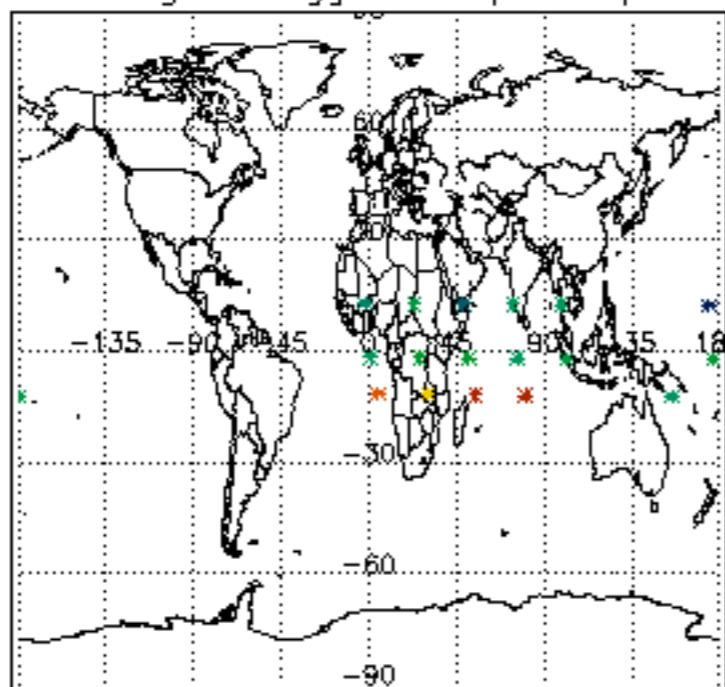
6. Auxiliary Data Files used for the production reported in section 2

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.

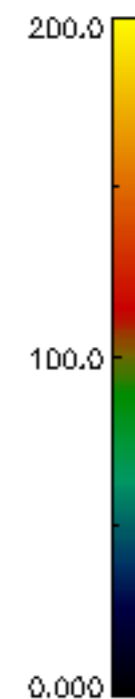
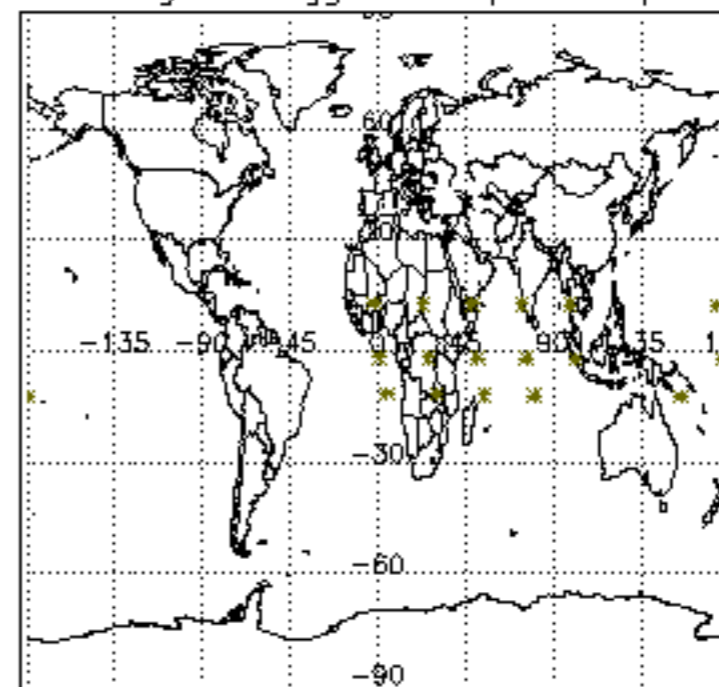
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	07-APR-2009 10:11:45
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	07-APR-2009 10:11:45
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	07-APR-2009 10:11:45



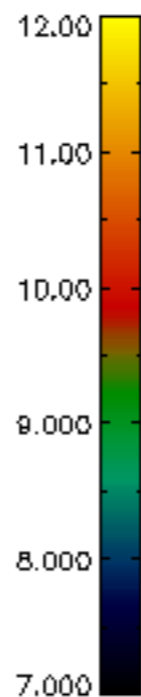
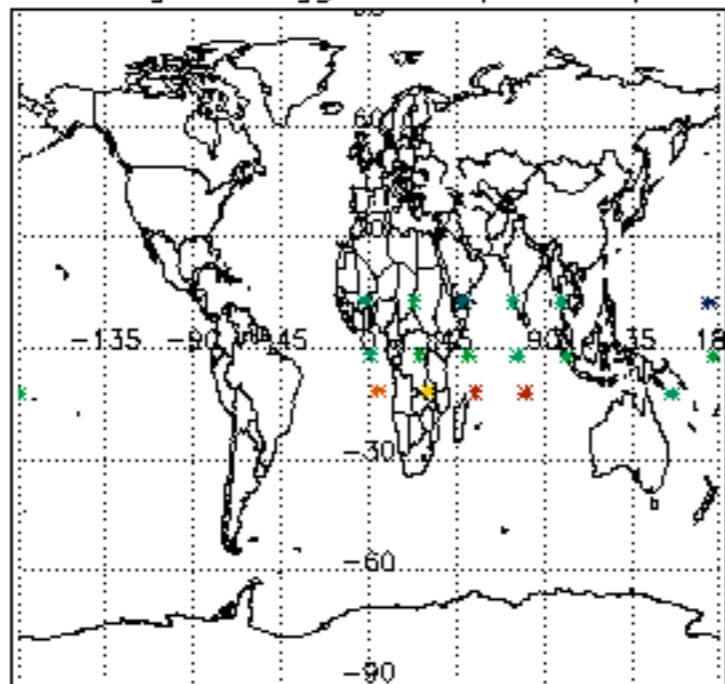
Percentage of flagged data per D3 profile



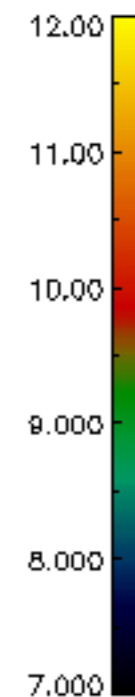
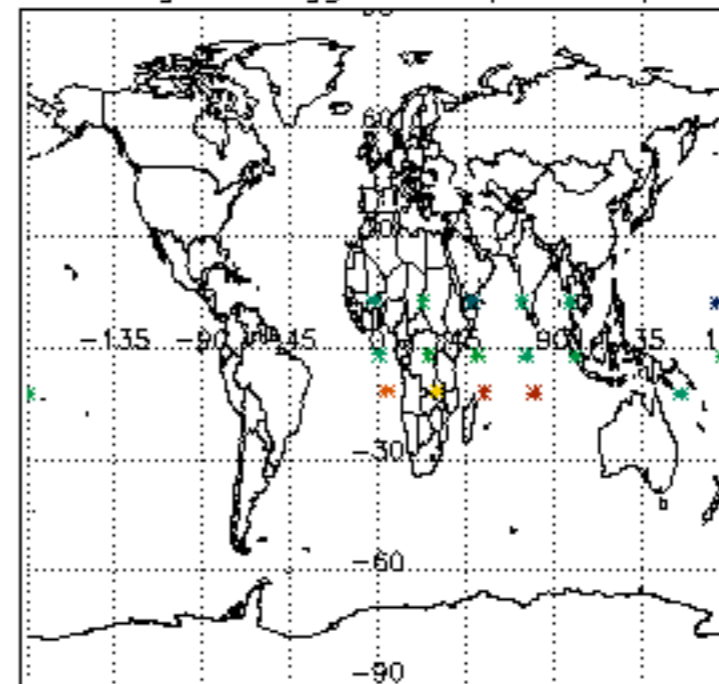
Percentage of flagged data per H2O profile

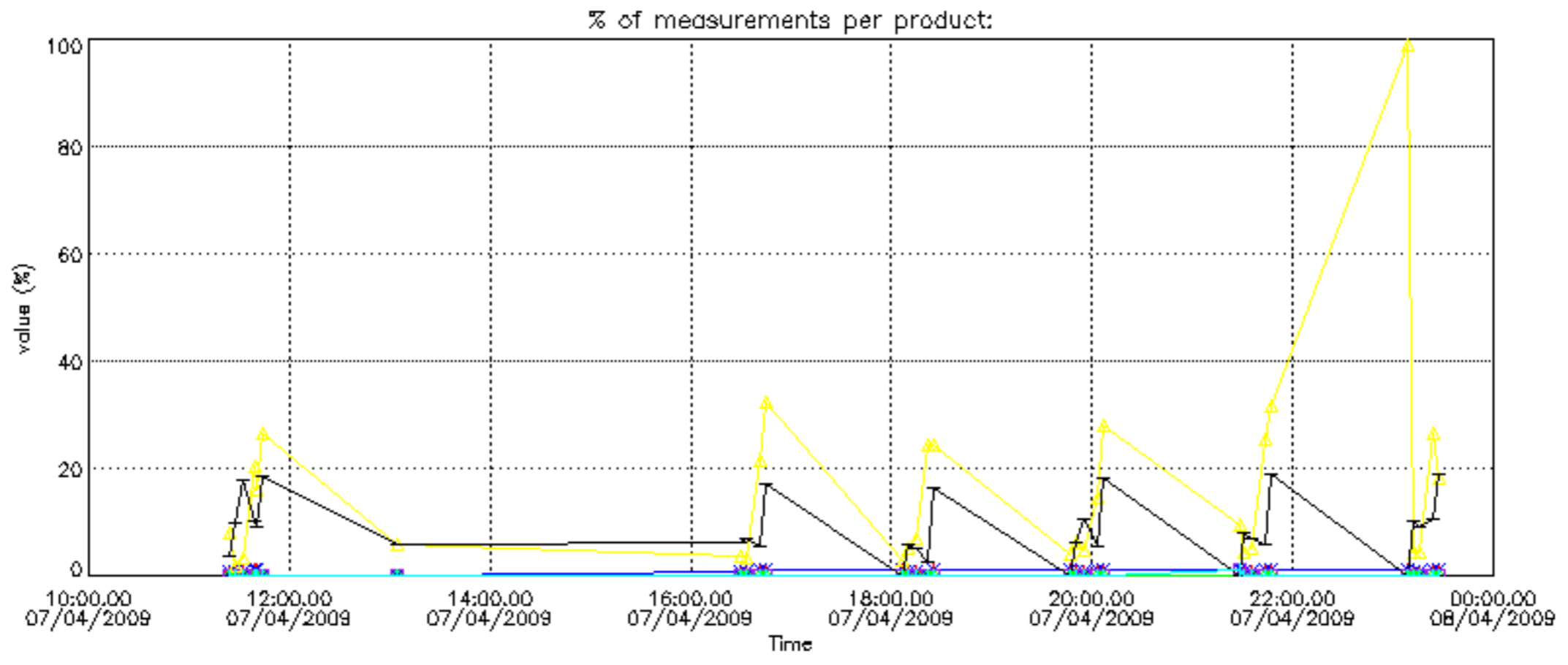


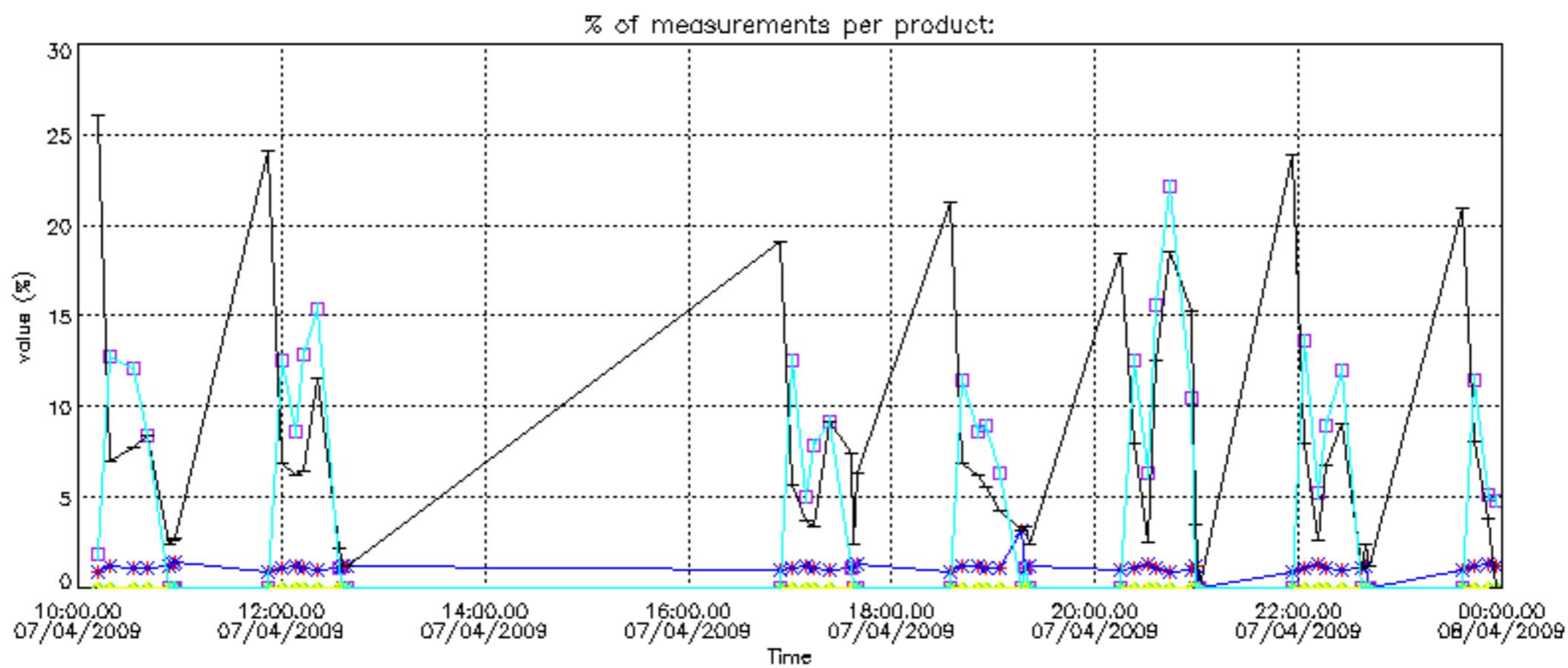
Percentage of flagged data per NO2 profile



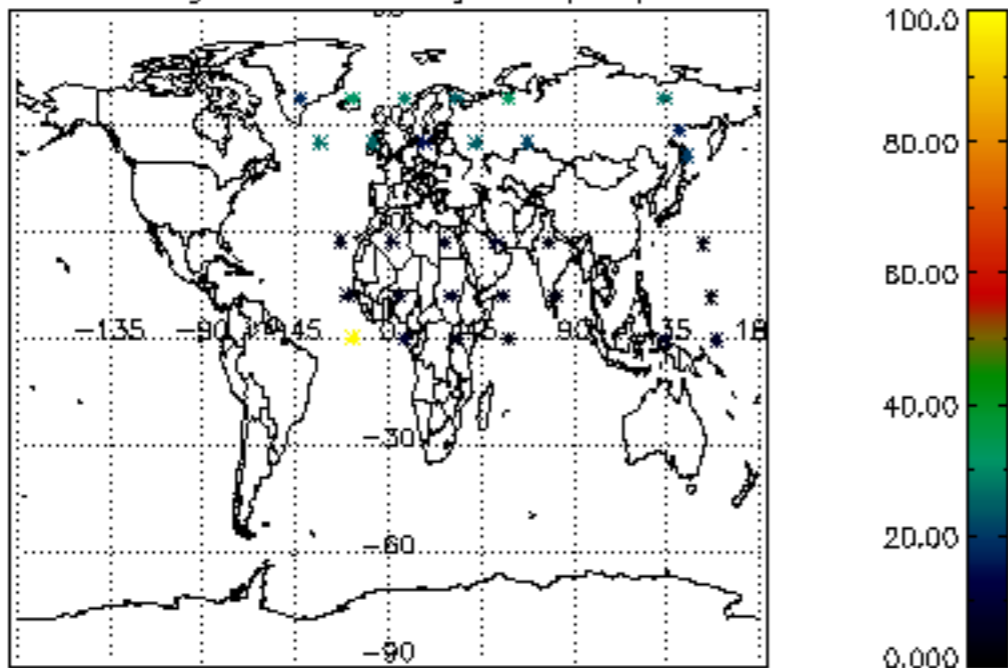
Percentage of flagged data per NO3 profile



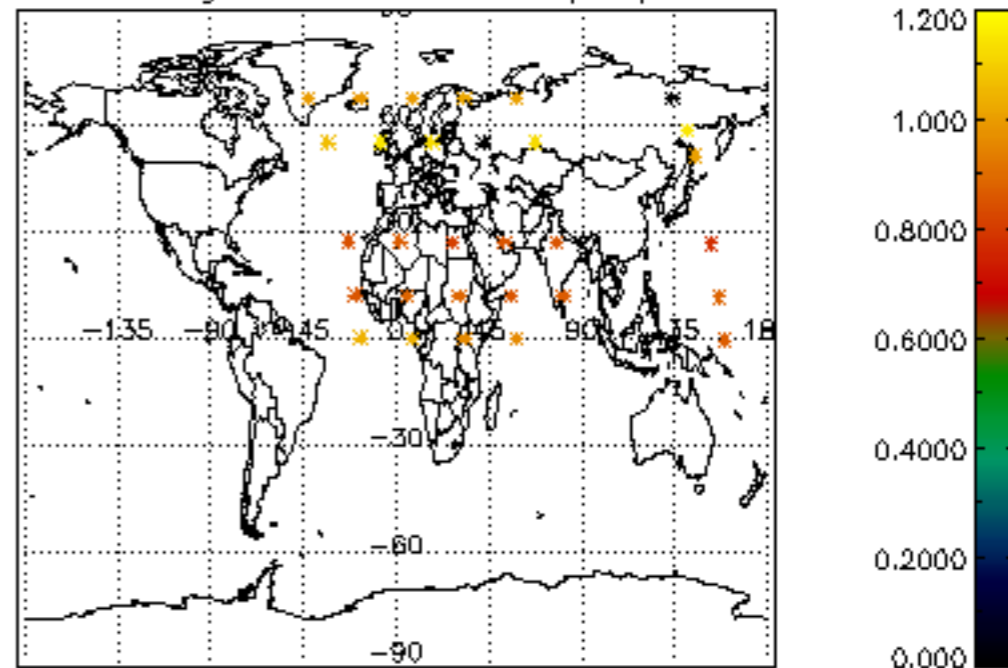




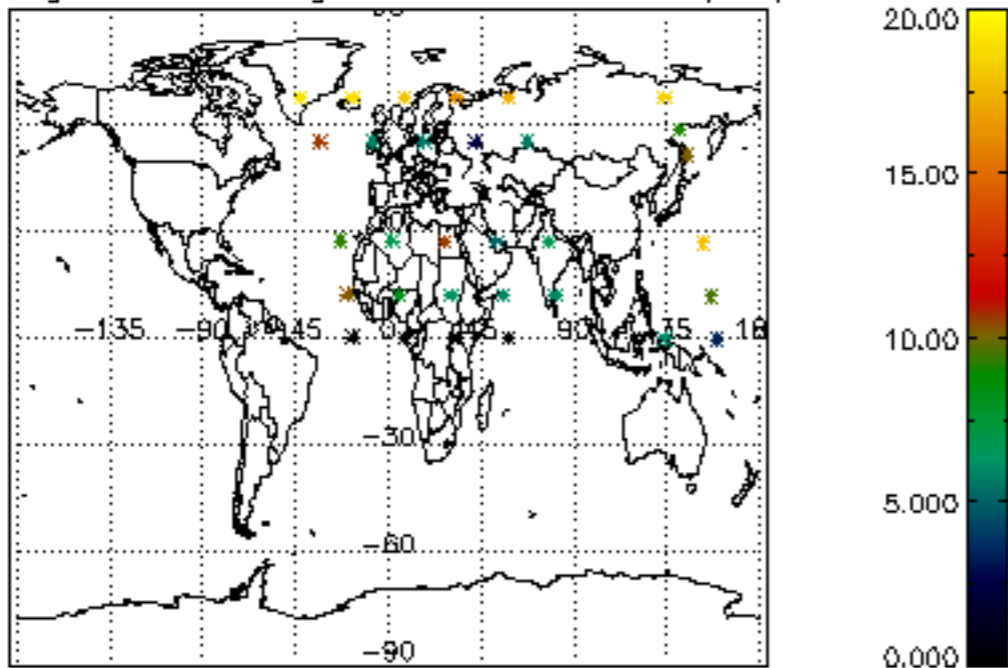
Percentage of cosmic ray hits per profile



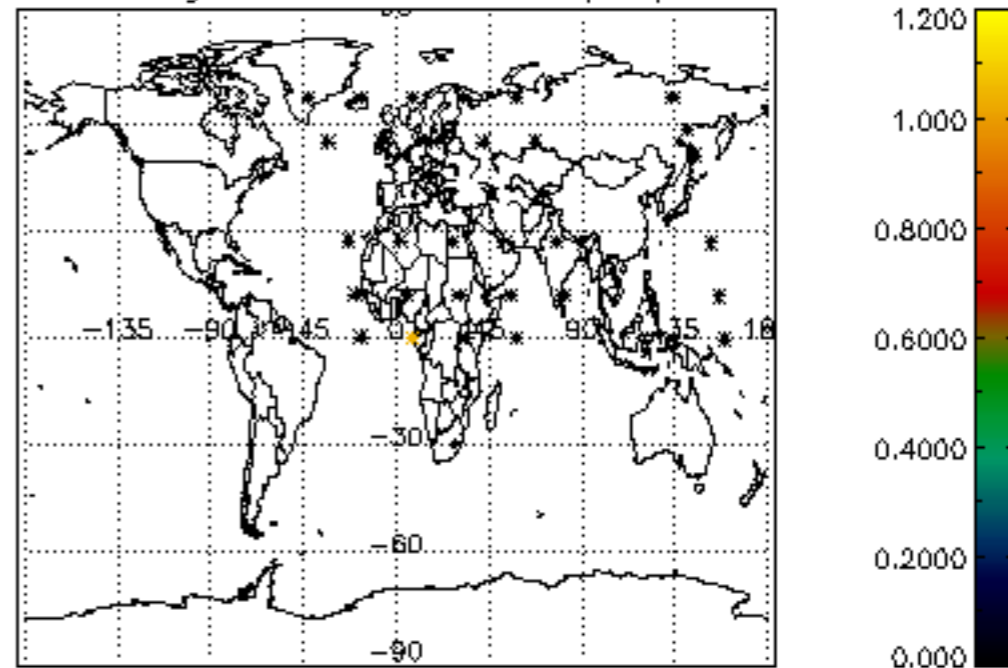
Percentage of datation errors per profile



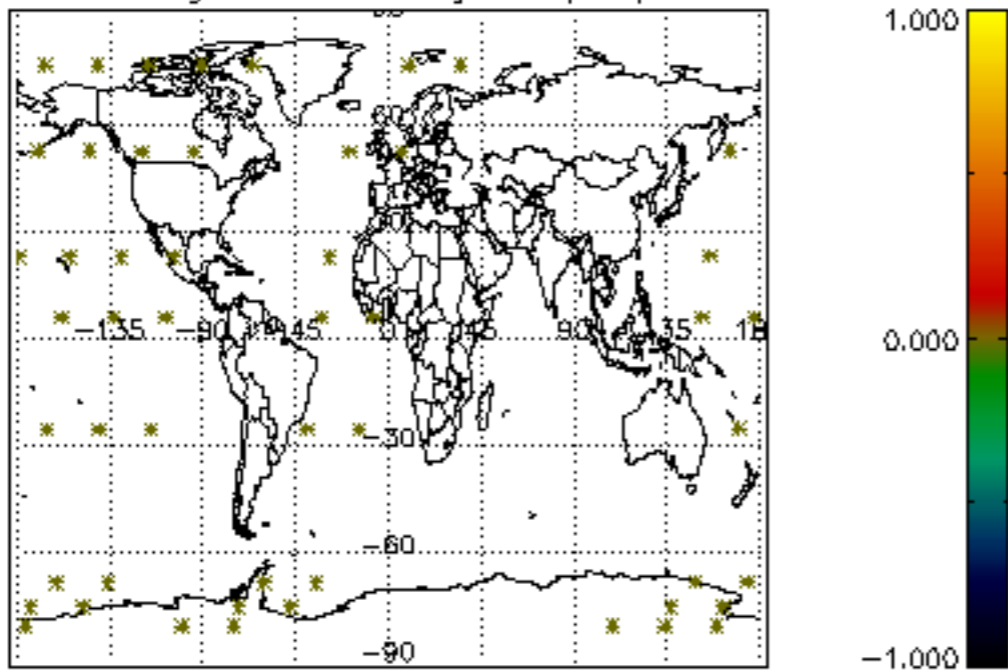
Percentage of star falling outside central band per profile



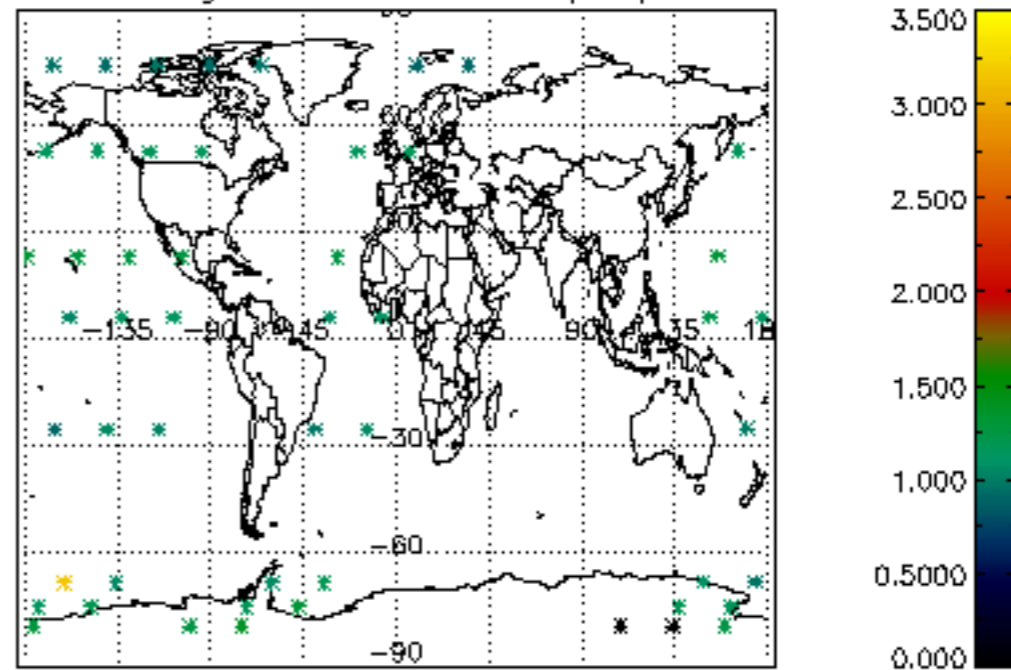
Percentage of saturation errors per profile



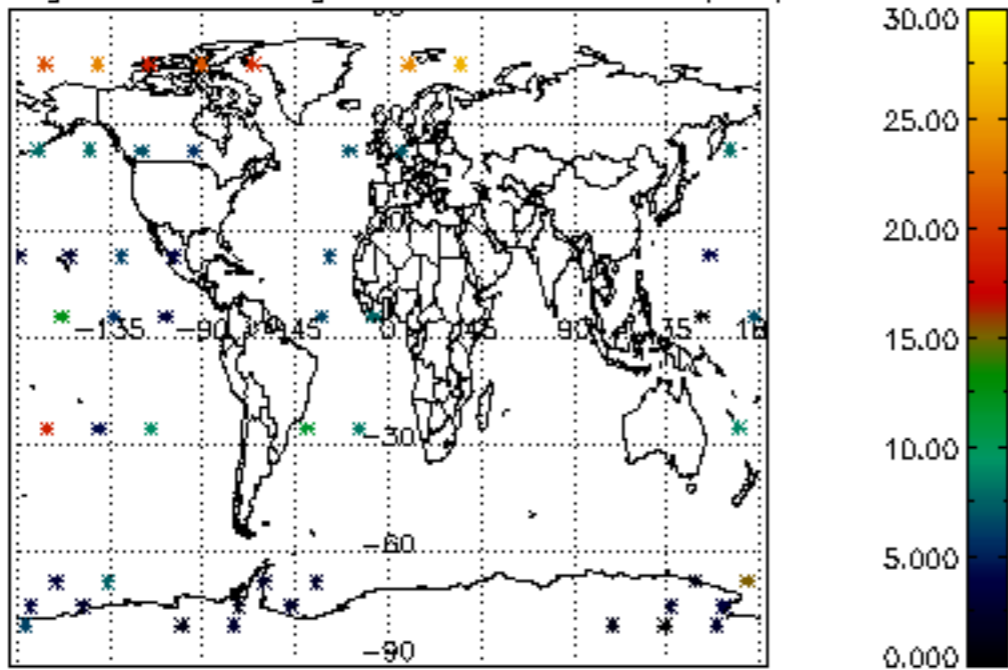
Percentage of cosmic ray hits per profile



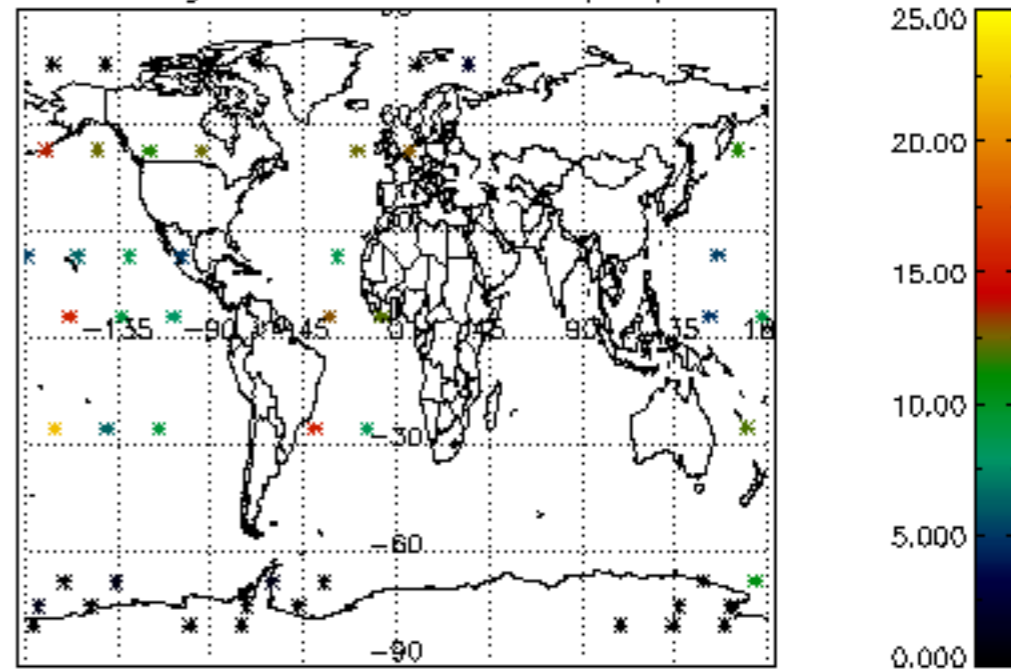
Percentage of datation errors per profile

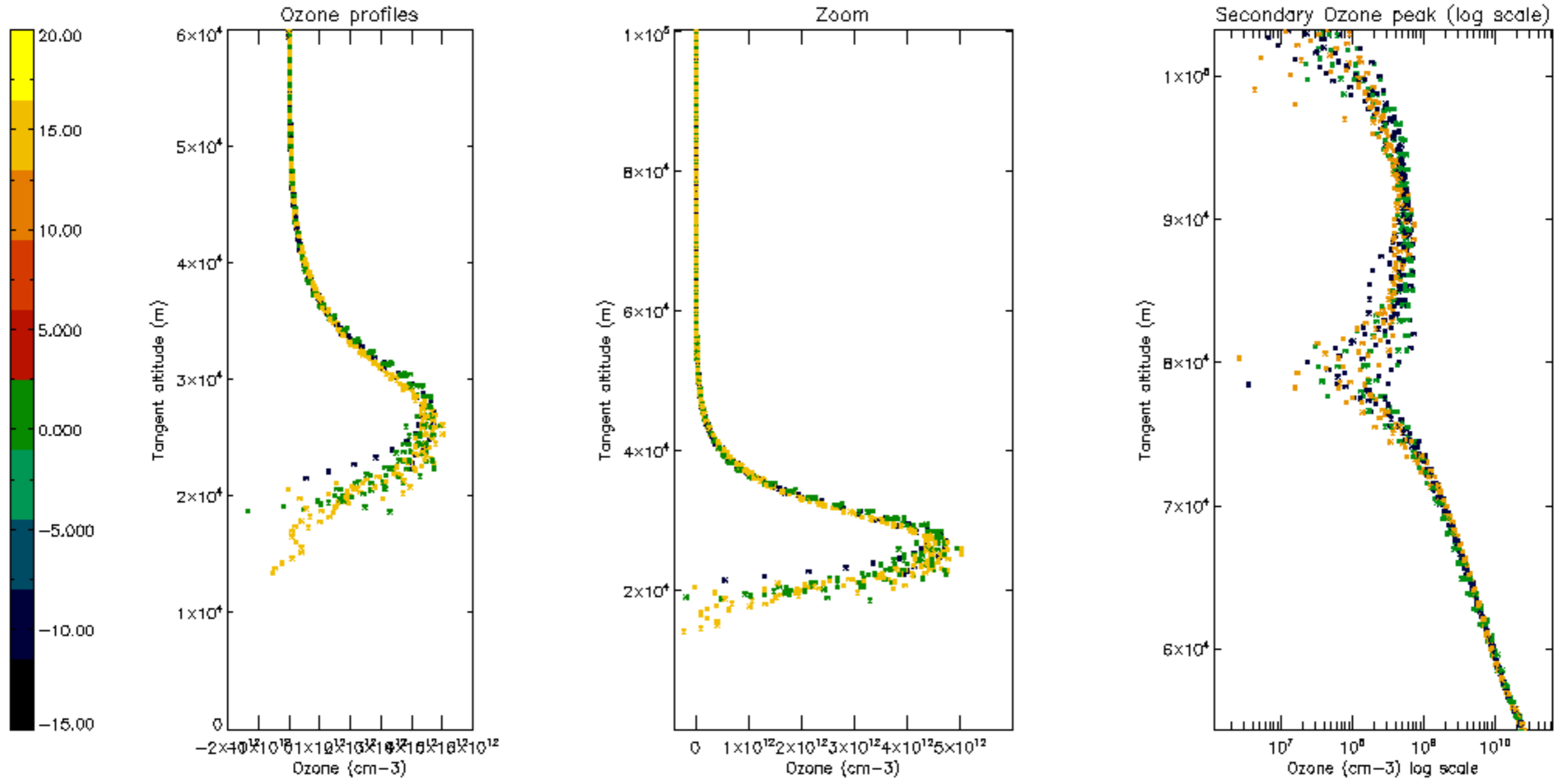


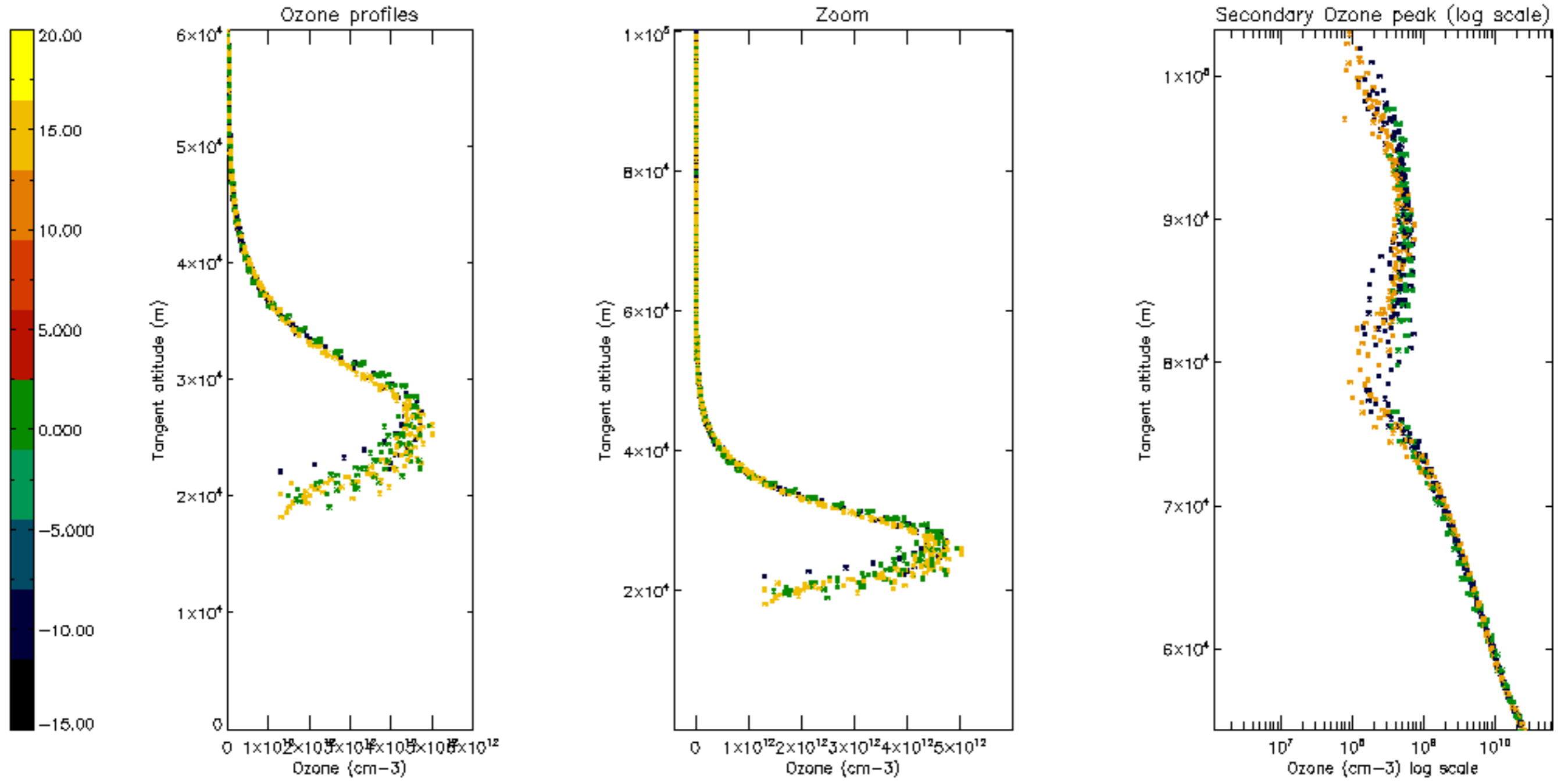
Percentage of star falling outside central band per profile

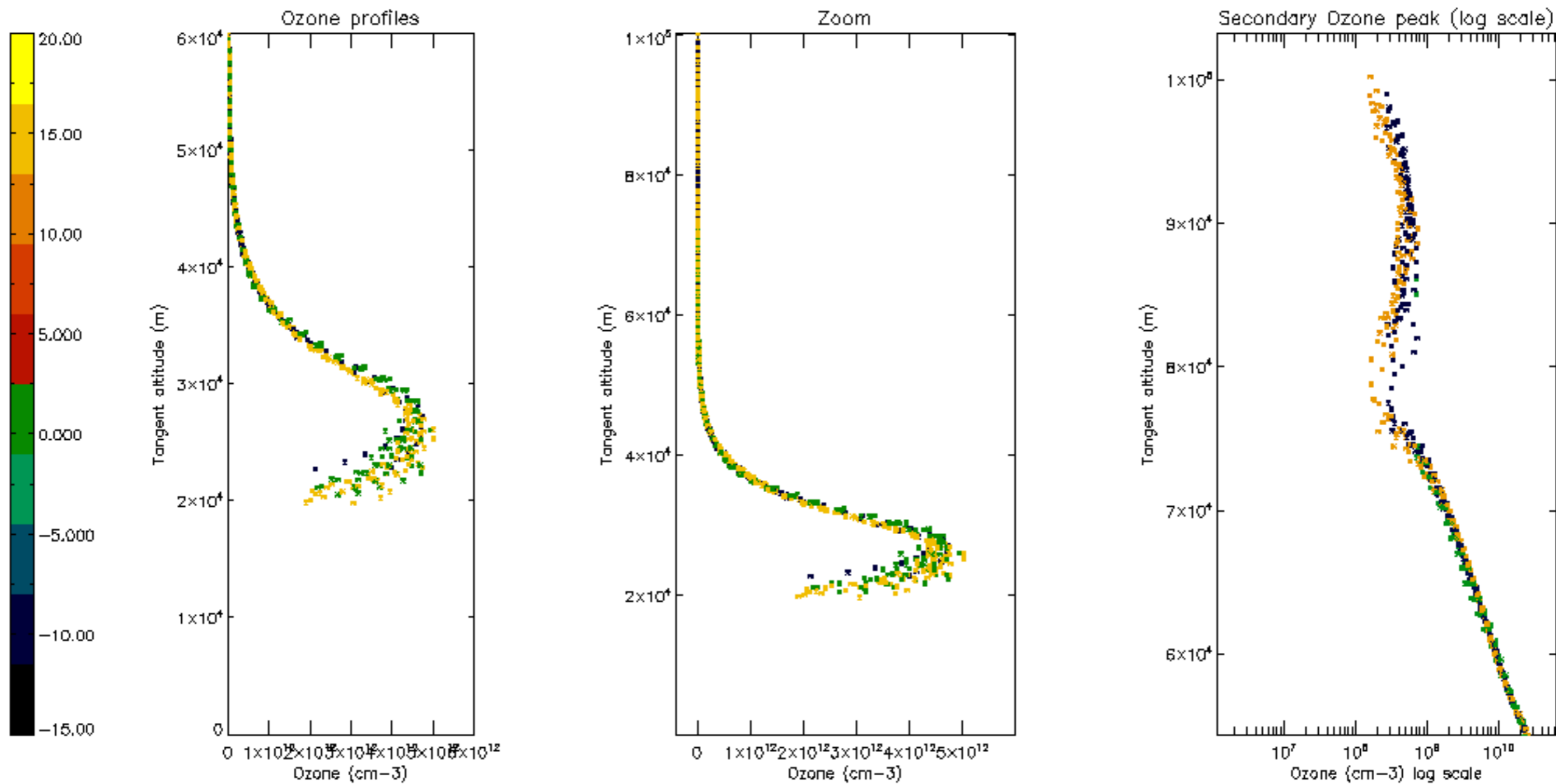


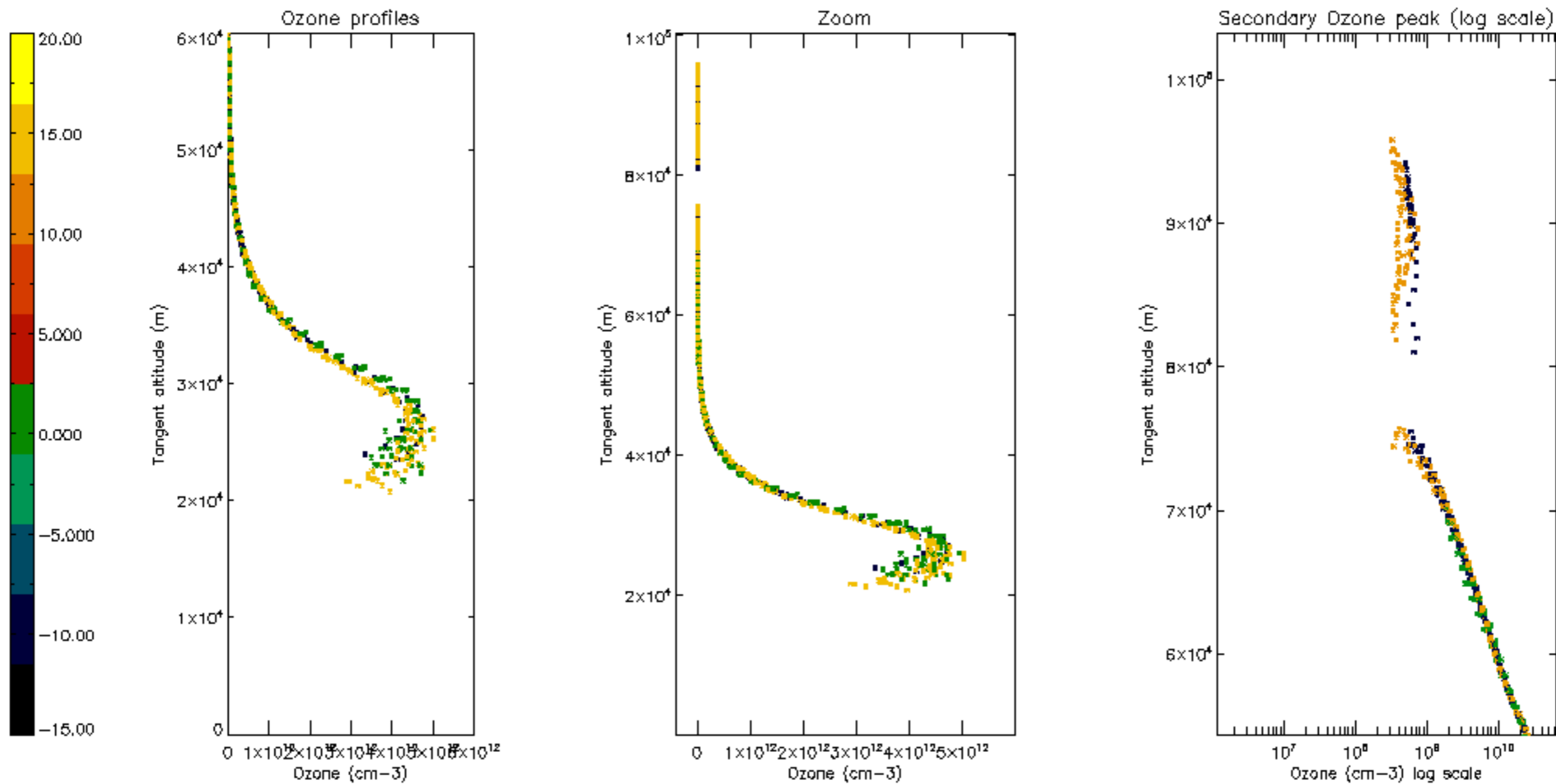
Percentage of saturation errors per profile

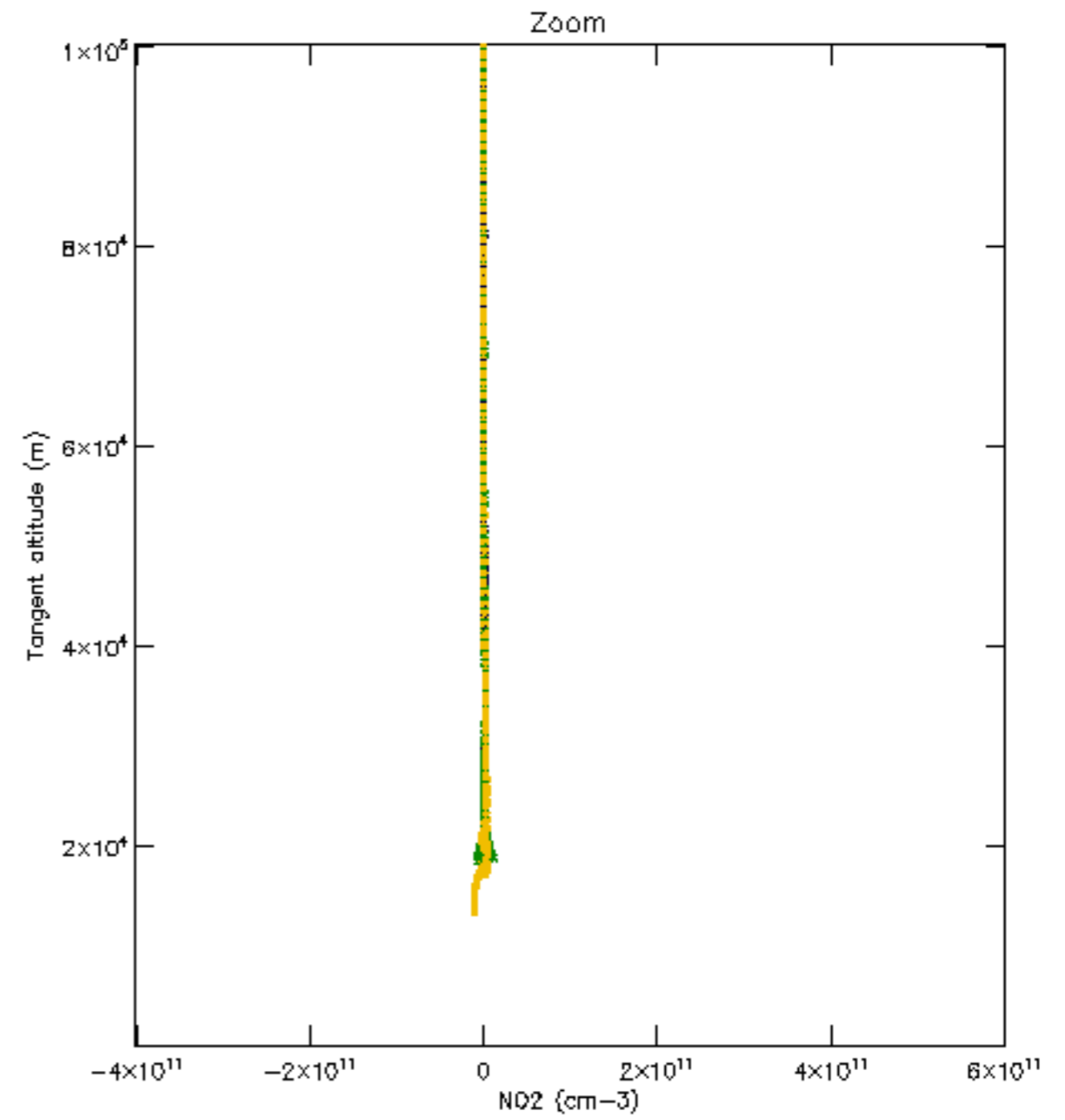
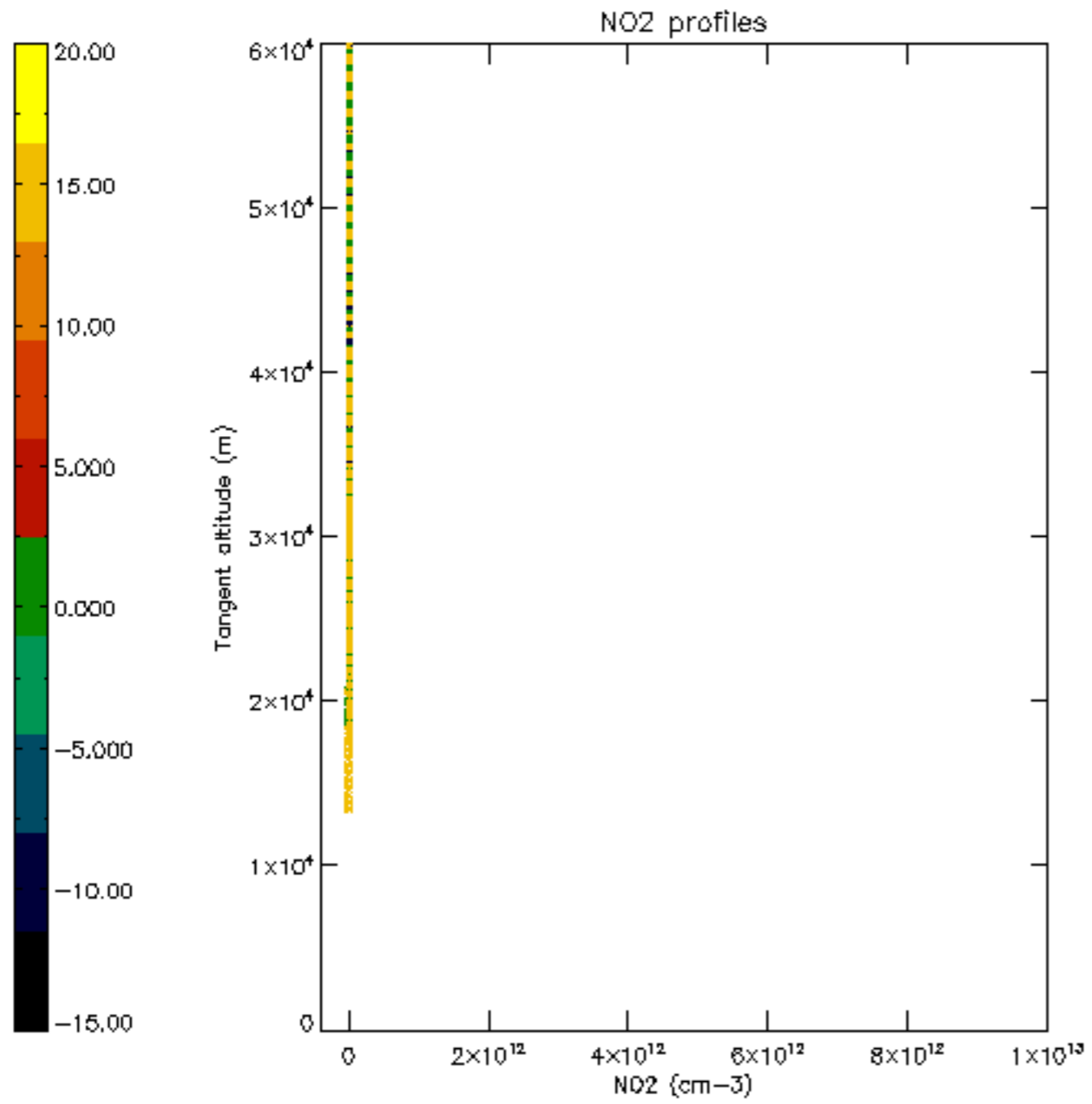


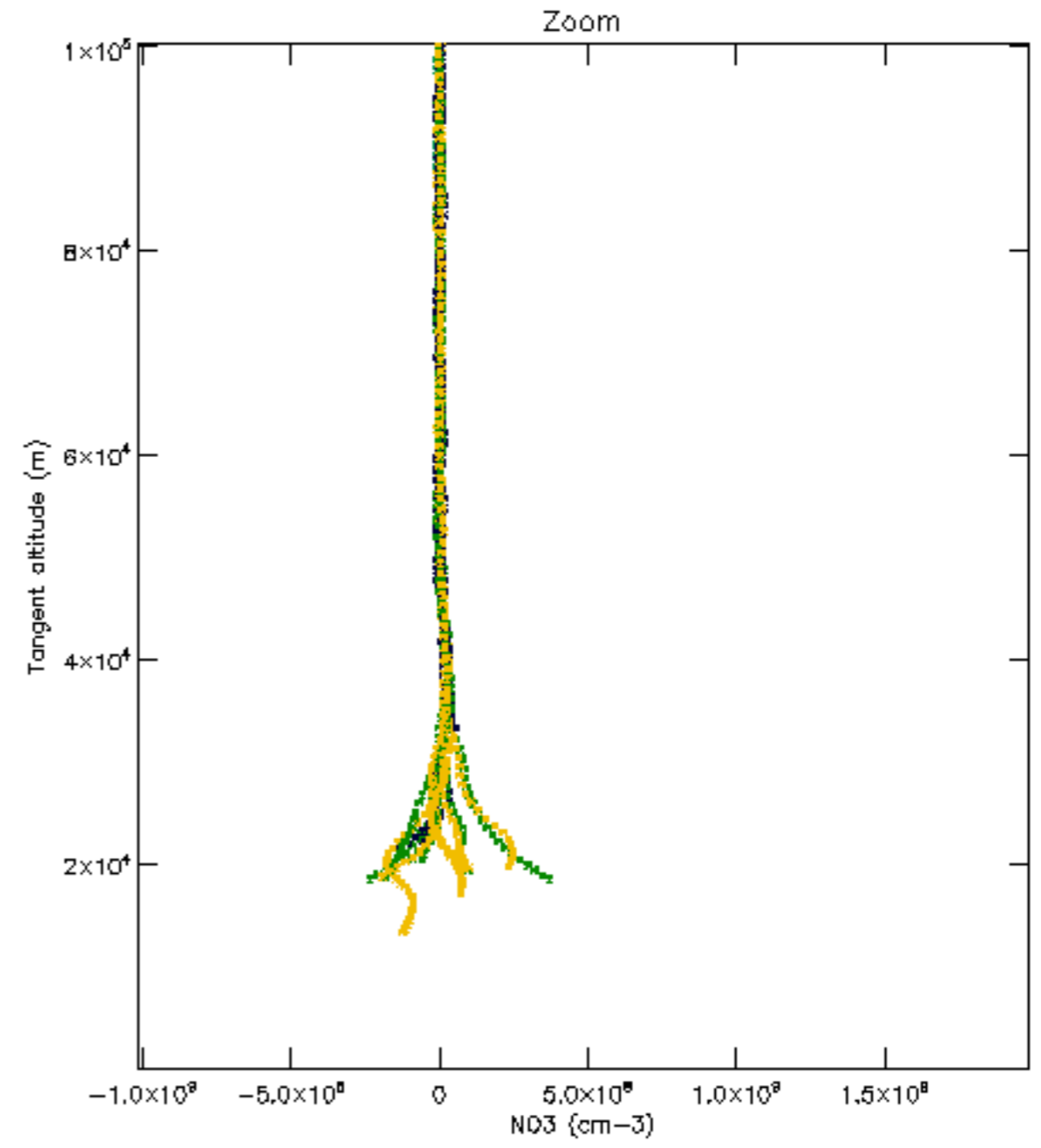
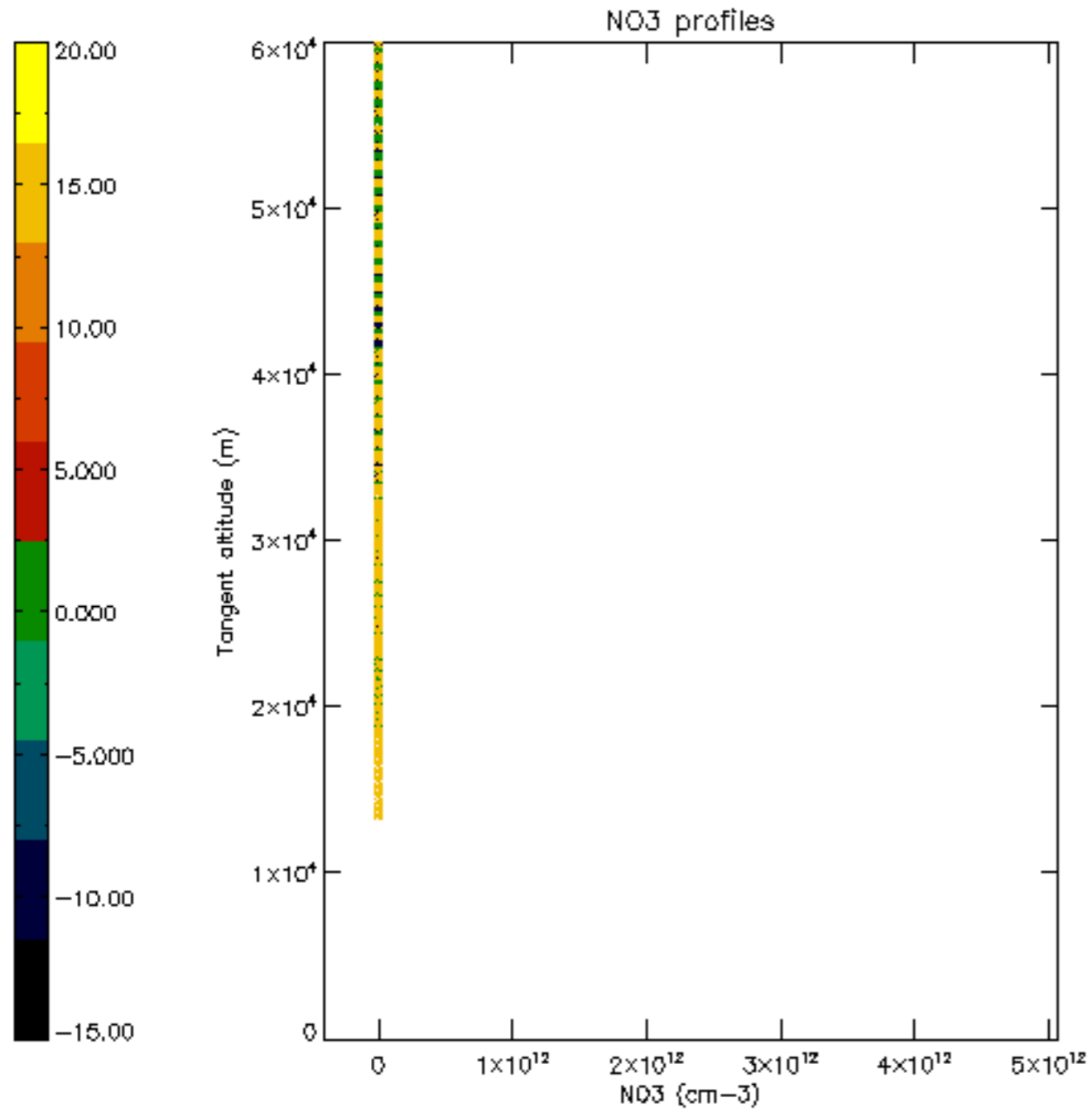


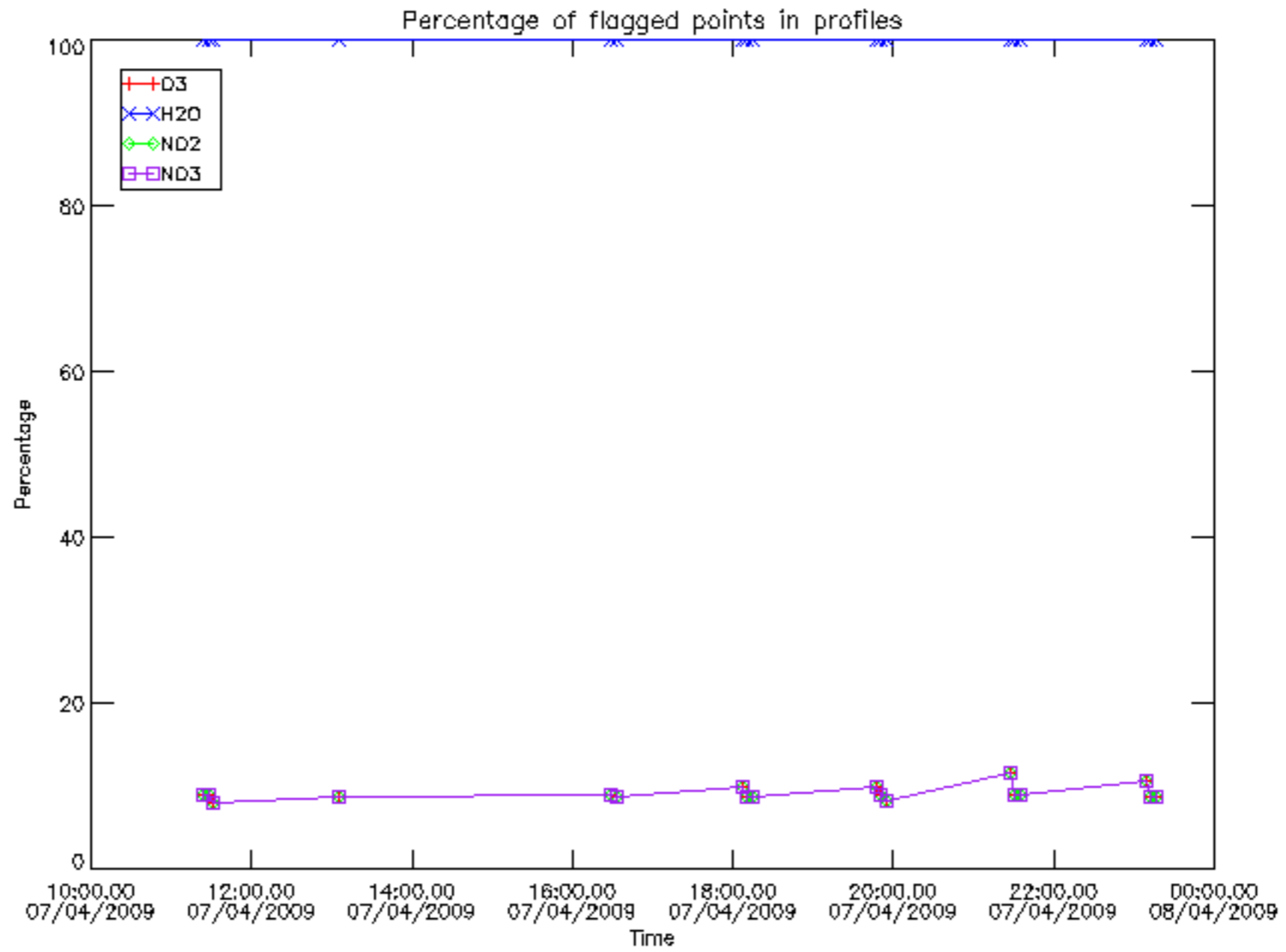




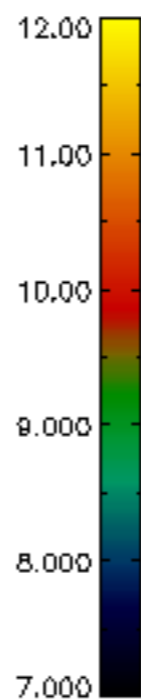
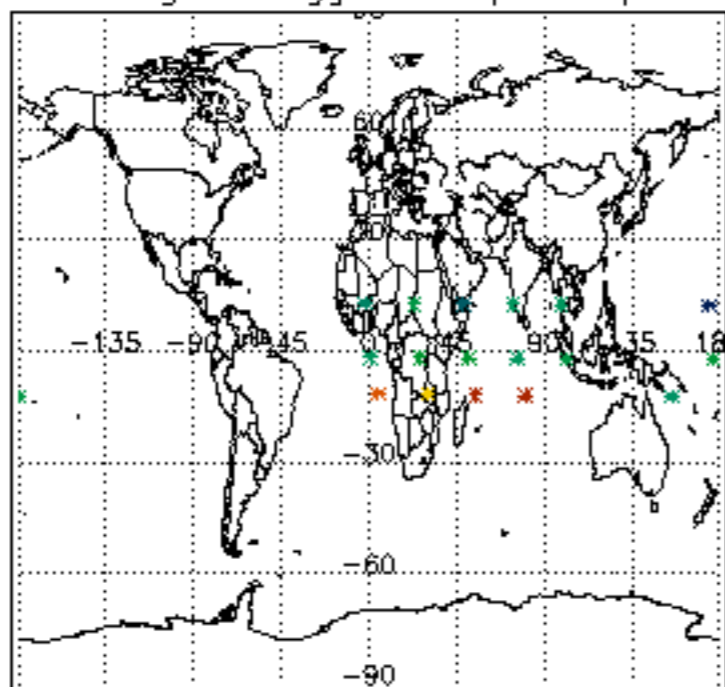




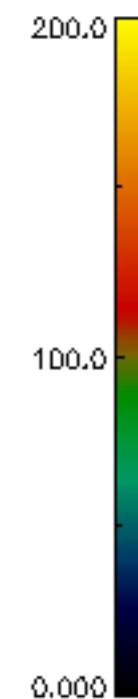
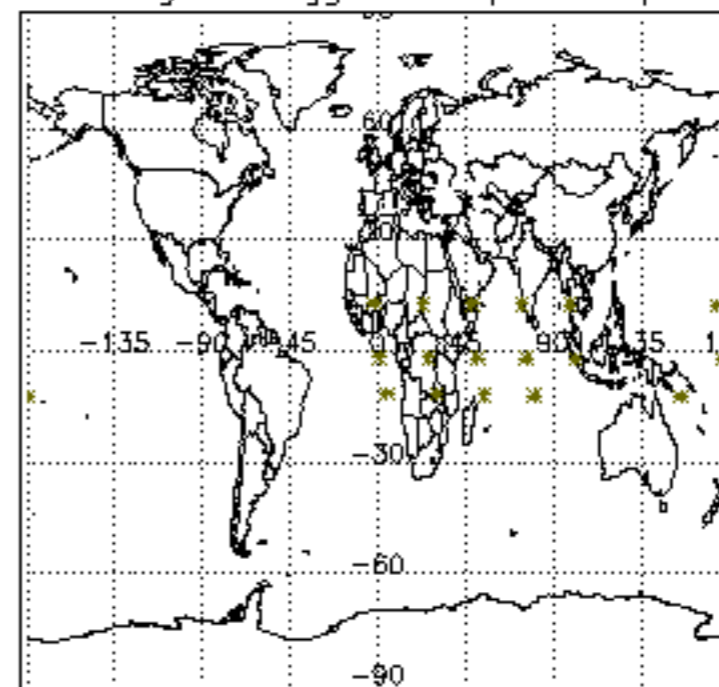




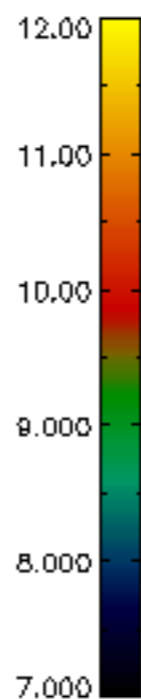
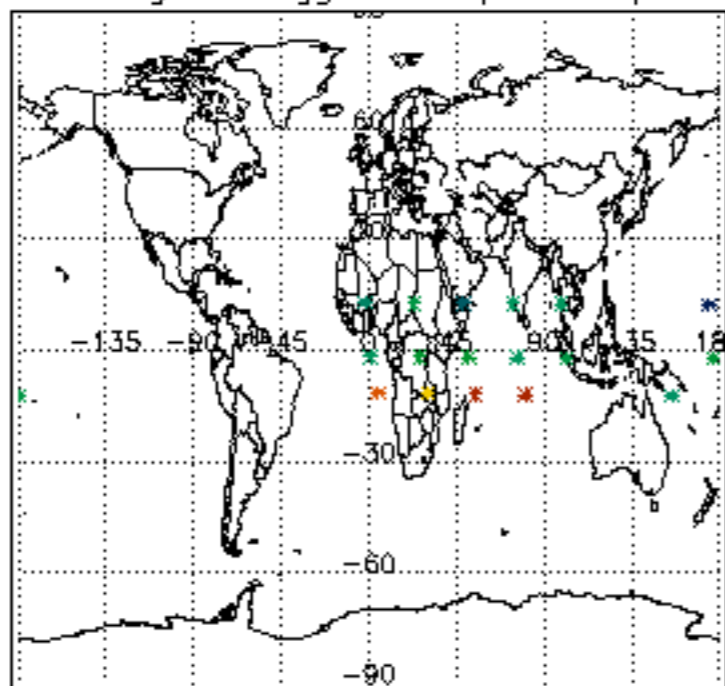
Percentage of flagged data per D3 profile



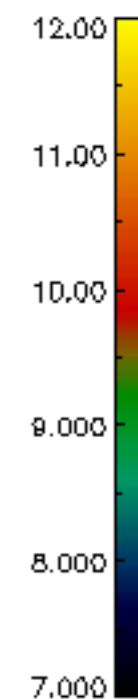
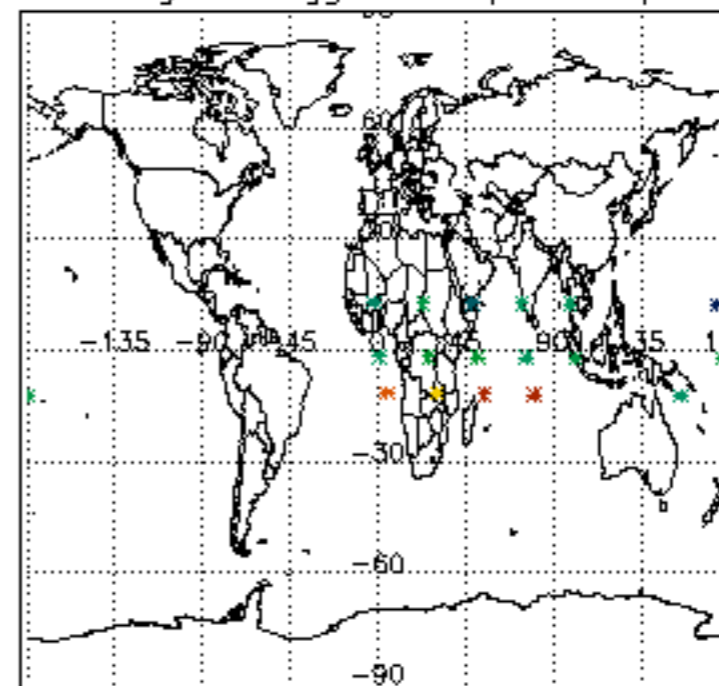
Percentage of flagged data per H2O profile

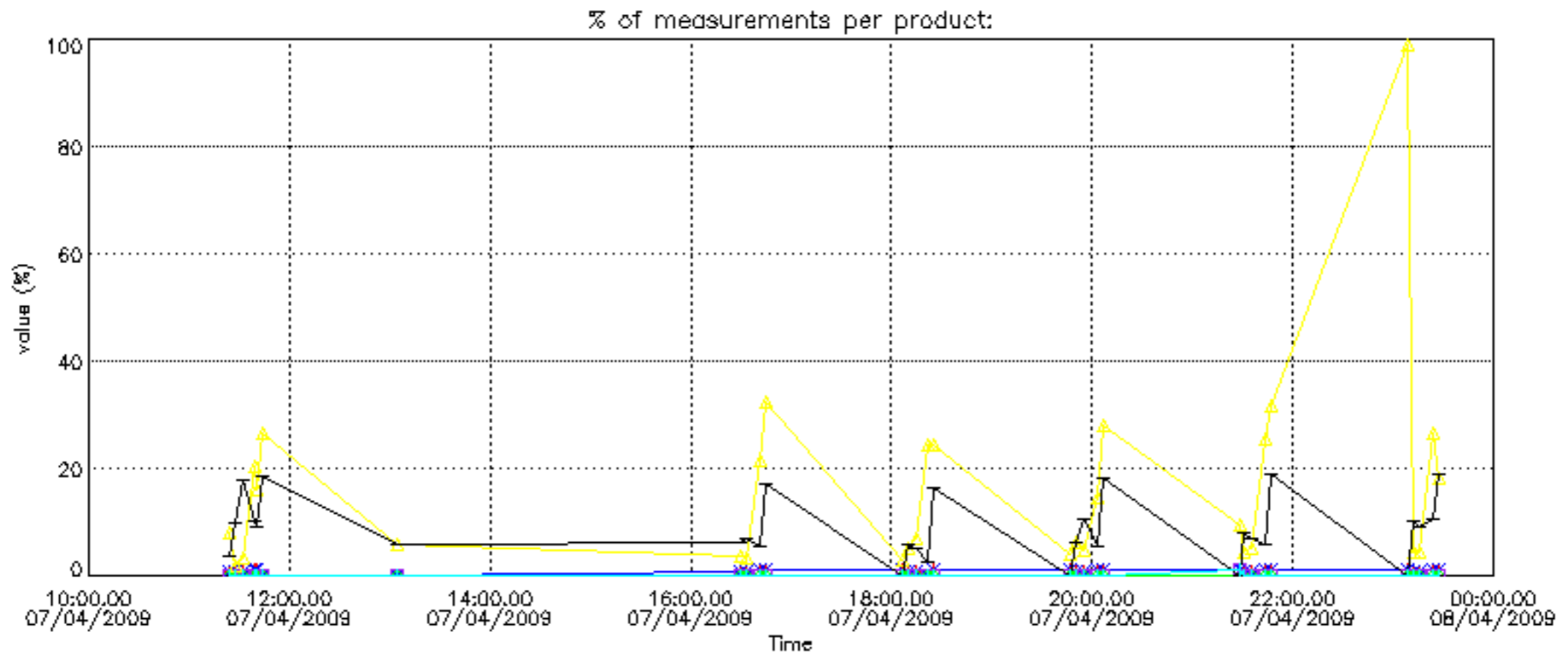


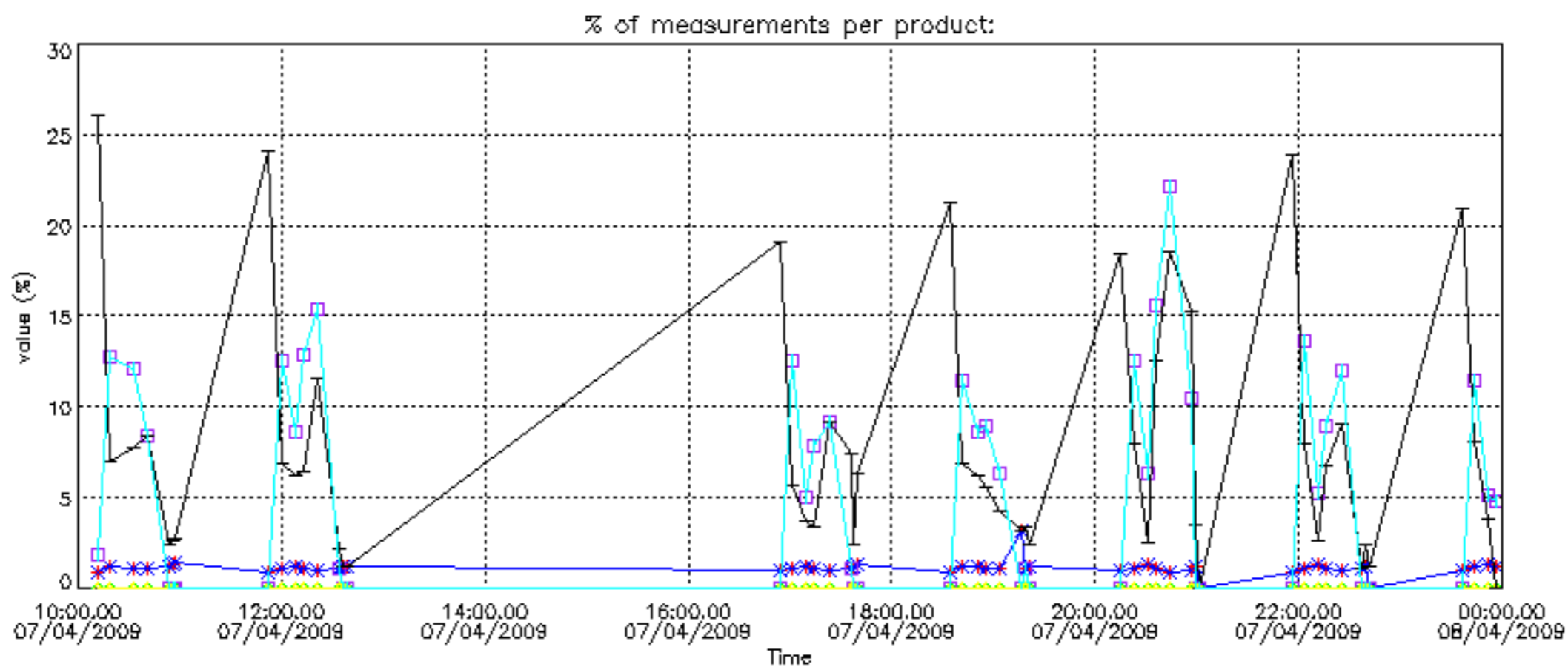
Percentage of flagged data per NO2 profile



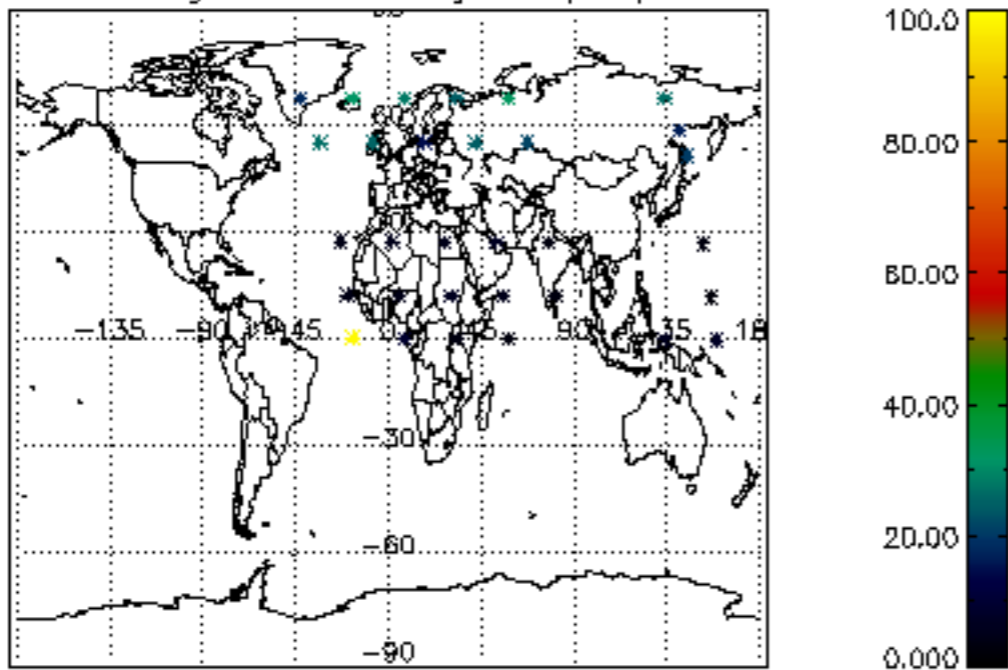
Percentage of flagged data per NO3 profile



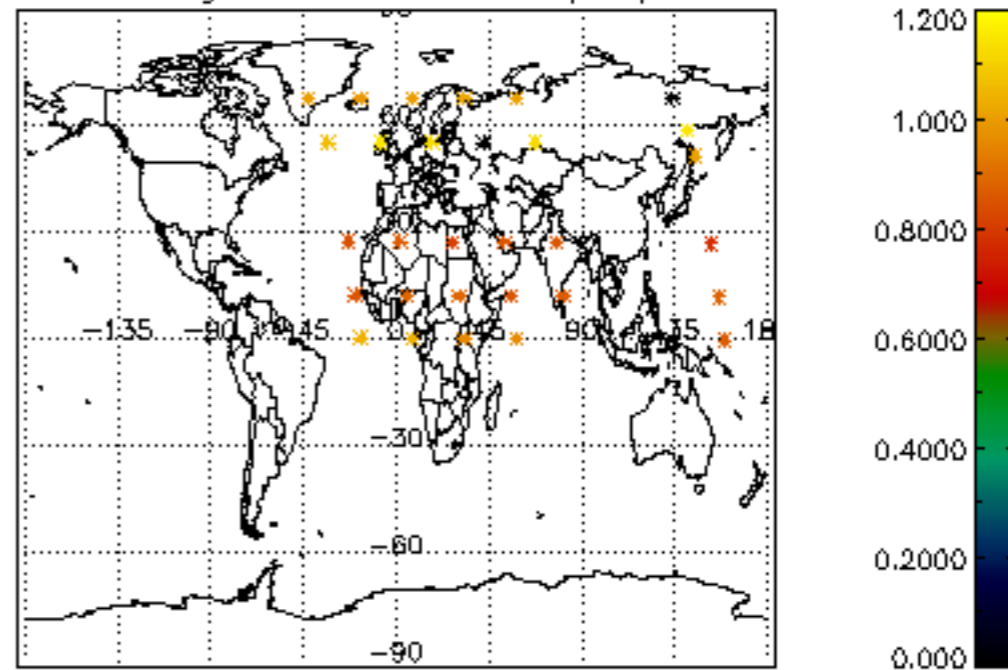




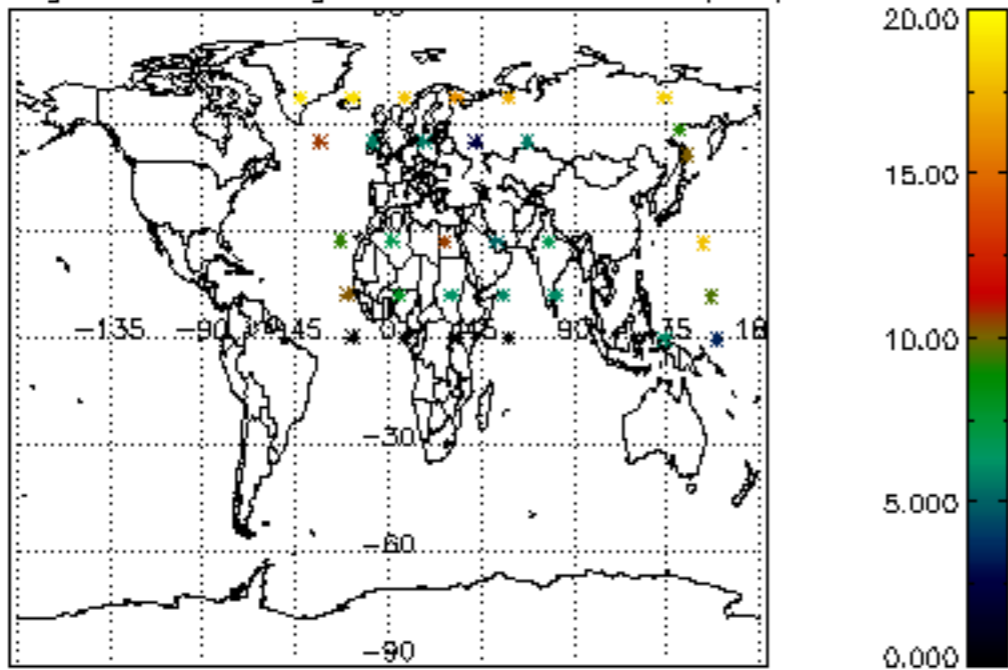
Percentage of cosmic ray hits per profile



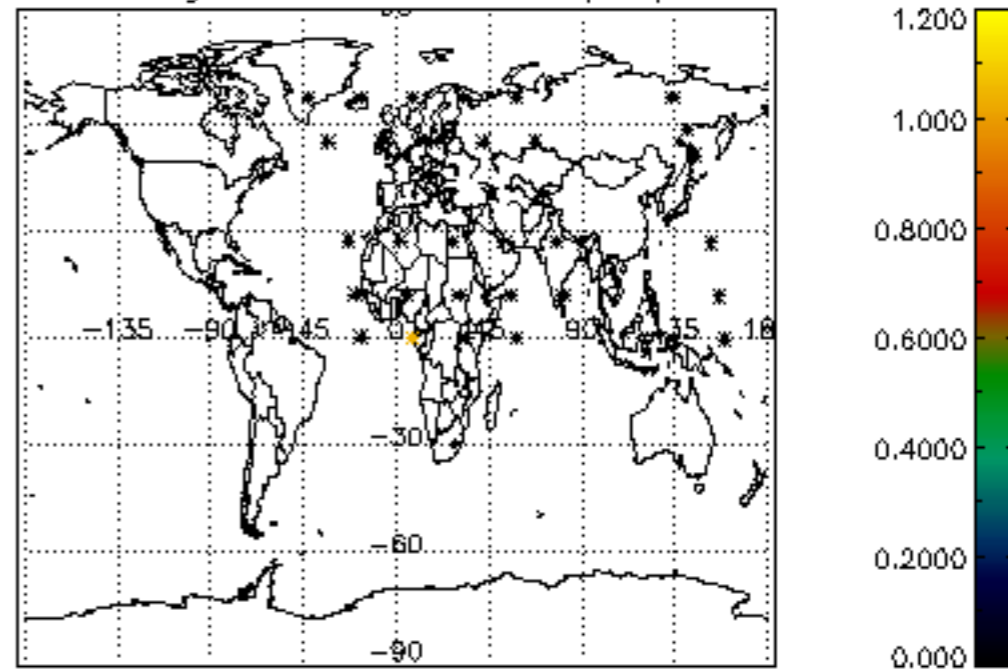
Percentage of datation errors per profile



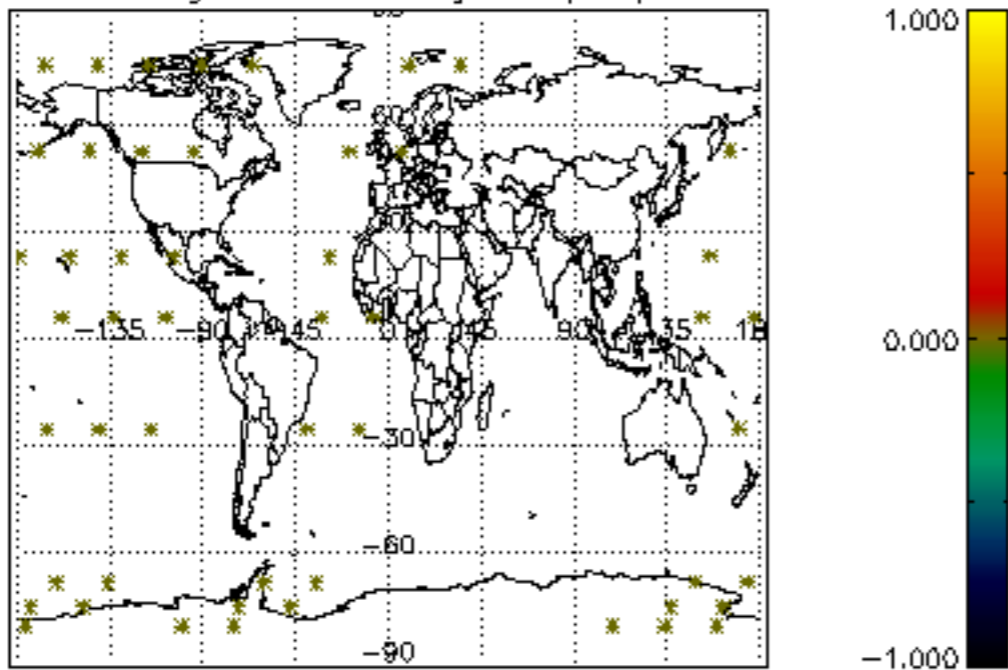
Percentage of star falling outside central band per profile



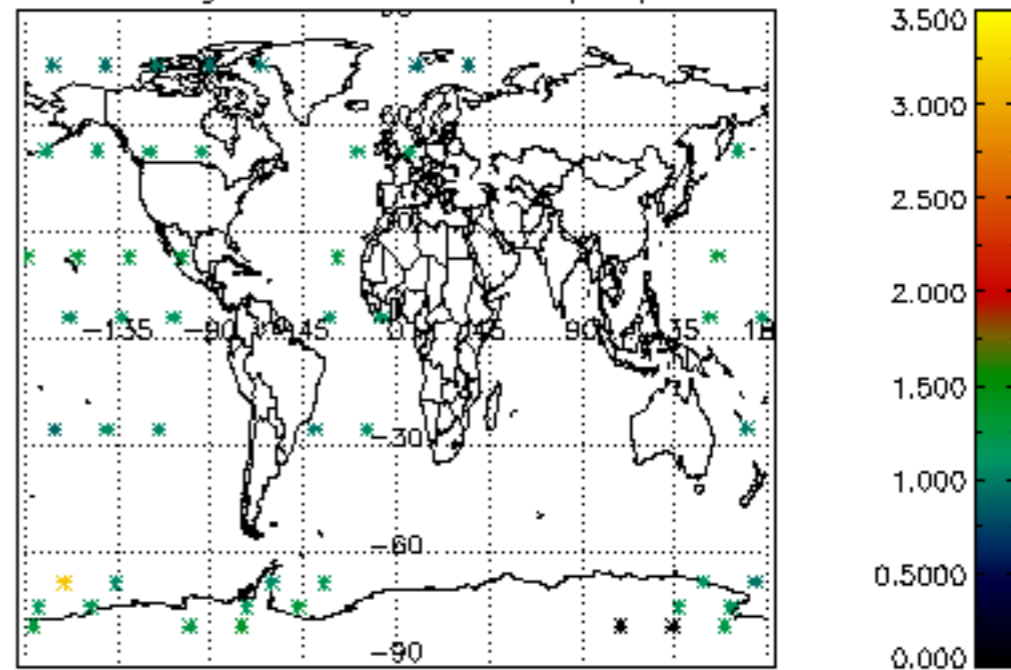
Percentage of saturation errors per profile



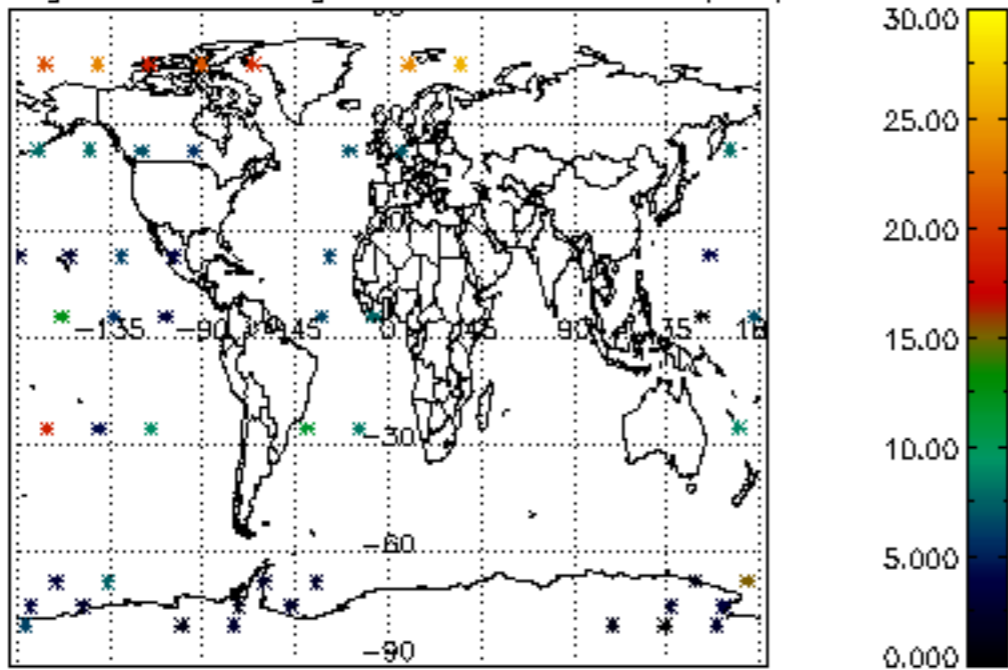
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

