

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 08:46:00
Data source version	GOMOS/6.01
Start time of products	12-04-2009 (12APR2009 00:00:00)
Stop time of products	13-04-2009 (13APR2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	164
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__2PRFIN20090412_002758_000000552078_00074_37202_6615.N1	12-APR-2009 00:27:58	Dark	55.000	38	20Eps Sgr	1.8360	11000.	110	37202	No
2	GOM_NL__2PRFIN20090412_003204_000000542078_00074_37202_6616.N1	12-APR-2009 00:32:04	Dark	54.000	25	35Lam Sco	1.6200	28000.	108	37202	No
3	GOM_NL__2PRFIN20090412_003821_000000422078_00074_37202_6617.N1	12-APR-2009 00:38:21	Straylight	42.000	131	Gam Lup	2.8000	26000.	84	37202	No
4	GOM_NL__2PRFIN20090412_005117_000000372078_00074_37202_6618.N1	12-APR-2009 00:51:17	Bright	37.000	15	67Alp Vir	0.97600	28000.	74	37202	No
5	GOM_NL__2PRFIN20090412_005819_000000372078_00074_37202_6619.N1	12-APR-2009 00:58:19	Bright	37.000	138	47Eps Vir	2.8280	4700.0	74	37202	No
6	GOM_NL__2PRFIN20090412_010204_000000472078_00074_37202_6620.N1	12-APR-2009 01:02:04	Bright	46.500	111	8Eta Boo	2.6800	6000.0	93	37202	No
7	GOM_NL__2PRFIN20090412_011103_000000632078_00074_37202_6621.N1	12-APR-2009 01:11:03	Bright	63.000	39	85Eta UMa	1.8540	24000.	126	37202	No
8	GOM_NL__2PRFIN20090412_011943_000000412078_00074_37202_6622.N1	12-APR-2009 01:19:43	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	37202	No
9	GOM_NL__2PRFIN20090412_013310_000000342078_00074_37202_6623.N1	12-APR-2009 01:33:10	Bright	34.000	19	50Alp Cyg	1.2460	10500.	68	37202	No
10	GOM_NL__2PRFIN20090412_013718_000000352078_00074_37202_6624.N1	12-APR-2009 01:37:18	Bright	34.500	92	53Eps Cyg	2.5000	4500.0	69	37202	No
11	GOM_NL__2PRFIN20090412_020458_000000502078_00075_37203_6629.N1	12-APR-2009 02:04:58	Dark	49.500	103	38Zet Sgr	2.6000	9700.0	99	37203	No
12	GOM_NL__2PRFIN20090412_020836_000000552078_00075_37203_6630.N1	12-APR-2009 02:08:36	Dark	55.000	38	20Eps Sgr	1.8360	11000.	110	37203	No
13	GOM_NL__2PRFIN20090412_021241_000000542078_00075_37203_6631.N1	12-APR-2009 02:12:41	Dark	53.500	25	35Lam Sco	1.6200	28000.	107	37203	No
14	GOM_NL__2PRFIN20090412_021858_000000422078_00075_37203_6632.N1	12-APR-2009 02:18:58	Straylight	42.000	131	Gam Lup	2.8000	26000.	84	37203	No
15	GOM_NL__2PRFIN20090412_023153_000000372078_00075_37203_6633.N1	12-APR-2009 02:31:53	Bright	37.000	15	67Alp Vir	0.97600	28000.	74	37203	No
16	GOM_NL__2PRFIN20090412_023854_000000382078_00075_37203_6634.N1	12-APR-2009 02:38:54	Bright	37.500	138	47Eps Vir	2.8280	4700.0	75	37203	No
17	GOM_NL__2PRFIN20090412_024239_000000462078_00075_37203_6635.N1	12-APR-2009 02:42:39	Bright	46.000	111	8Eta Boo	2.6800	6000.0	92	37203	No
18	GOM_NL__2PRFIN20090412_025139_000000582078_00075_37203_6636.N1	12-APR-2009 02:51:39	Bright	58.000	39	85Eta UMa	1.8540	24000.	116	37203	No
19	GOM_NL__2PRFIN20090412_030019_000000412078_00075_37203_6637.N1	12-APR-2009 03:00:19	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	37203	No
20	GOM_NL__2PRFIN20090412_031346_000000342078_00075_37203_6638.N1	12-APR-2009 03:13:46	Bright	34.000	19	50Alp Cyg	1.2460	10500.	68	37203	No
21	GOM_NL__2PRFIN20090412_031754_000000362078_00075_37203_6639.N1	12-APR-2009 03:17:54	Bright	35.500	92	53Eps Cyg	2.5000	4500.0	71	37203	No
22	GOM_NL__2PRFIN20090412_034535_000000552078_00076_37204_6674.N1	12-APR-2009 03:45:35	Dark	54.500	103	38Zet Sgr	2.6000	9700.0	109	37204	No
23	GOM_NL__2PRFIN20090412_034913_000000562078_00076_37204_6675.N1	12-APR-2009 03:49:13	Dark	55.500	38	20Eps Sgr	1.8360	11000.	111	37204	No
24	GOM_NL__2PRFIN20090412_035318_000000542078_00076_37204_6676.N1	12-APR-2009 03:53:18	Dark	54.000	25	35Lam Sco	1.6200	28000.	108	37204	No
25	GOM_NL__2PRFIN20090412_035935_000000422078_00076_37204_6677.N1	12-APR-2009 03:59:35	Straylight	42.000	131	Gam Lup	2.8000	26000.	84	37204	No
26	GOM_NL__2PRFIN20090412_041230_000000362078_00076_37204_6678.N1	12-APR-2009 04:12:30	Bright	36.000	15	67Alp Vir	0.97600	28000.	72	37204	No
27	GOM_NL__2PRFIN20090412_041930_000000372078_00076_37204_6679.N1	12-APR-2009 04:19:30	Bright	36.500	138	47Eps Vir	2.8280	4700.0	73	37204	No
28	GOM_NL__2PRFIN20090412_042315_000000462078_00076_37204_6680.N1	12-APR-2009 04:23:15	Bright	45.500	111	8Eta Boo	2.6800	6000.0	91	37204	No
29	GOM_NL__2PRFIN20090412_043214_000000412078_00076_37204_6681.N1	12-APR-2009 04:32:14	Bright	40.500	39	85Eta UMa	1.8540	24000.	81	37204	No
30	GOM_NL__2PRFIN20090412_044054_000000402078_00076_37204_6682.N1	12-APR-2009 04:40:54	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	37204	No
31	GOM_NL__2PRFIN20090412_045422_000000332078_00076_37204_6683.N1	12-APR-2009 04:54:22	Bright	33.000	19	50Alp Cyg	1.2460	10500.	66	37204	No
32	GOM_NL__2PRFIN20090412_045830_000000352078_00076_37204_6684.N1	12-APR-2009 04:58:30	Bright	34.500	92	53Eps Cyg	2.5000	4500.0	69	37204	No
33	GOM_NL__2PRFIN20090412_052612_000000542078_00077_37205_6688.N1	12-APR-2009 05:26:12	Dark	54.000	103	38Zet Sgr	2.6000	9700.0	108	37205	No
34	GOM_NL__2PRFIN20090412_052951_000000552078_00077_37205_6689.N1	12-APR-2009 05:29:51	Dark	54.500	38	20Eps Sgr	1.8360	11000.	109	37205	No
35	GOM_NL__2PRFIN20090412_053356_000000532078_00077_37205_6690.N1	12-APR-2009 05:33:56	Dark	53.000	25	35Lam Sco	1.6200	28000.	106	37205	No
36	GOM_NL__2PRFIN20090412_054011_000000412078_00077_37205_6691.N1	12-APR-2009 05:40:11	Straylight	41.000	131	Gam Lup	2.8000	26000.	82	37205	No
37	GOM_NL__2PRFIN20090412_055305_000000372078_00077_37205_6692.N1	12-APR-2009 05:53:05	Bright	36.500	15	67Alp Vir	0.97600	28000.	73	37205	No
38	GOM_NL__2PRFIN20090412_060006_000000372078_00077_37205_6693.N1	12-APR-2009 06:00:06	Bright	36.500	138	47Eps Vir	2.8280	4700.0	73	37205	No
39	GOM_NL__2PRFIN20090412_060350_000000462078_00077_37205_6694.N1	12-APR-2009 06:03:50	Bright	45.500	111	8Eta Boo	2.6800	6000.0	91	37205	No
40	GOM_NL__2PRFIN20090412_061250_000000392078_00077_37205_6695.N1	12-APR-2009 06:12:50	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	37205	No
41	GOM_NL__2PRFIN20090412_062129_000000402078_00077_37205_6696.N1	12-APR-2009 06:21:29	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	37205	No
42	GOM_NL__2PRFIN20090412_063457_000000332078_00077_37205_6697.N1	12-APR-2009 06:34:57	Bright	33.000	19	50Alp Cyg	1.2460	10500.	66	37205	No

43	GOM_NL__2PRFIN20090412_063906_000000352078_00077_37205_6698.N1	12-APR-2009 06:39:06	Bright	34.500	92	53Eps Cyg	2.5000	4500.0	69	37205	No
44	GOM_NL__2PRFIN20090412_070650_000000542078_00078_37206_6696.N1	12-APR-2009 07:06:50	Dark	53.500	103	38Zet Sgr	2.6000	9700.0	107	37206	No
45	GOM_NL__2PRFIN20090412_071028_000000542078_00078_37206_6697.N1	12-APR-2009 07:10:28	Dark	54.000	38	20Eps Sgr	1.8360	11000.	108	37206	No
46	GOM_NL__2PRFIN20090412_071433_000000532078_00078_37206_6698.N1	12-APR-2009 07:14:33	Dark	52.500	25	35Lam Sco	1.6200	28000.	105	37206	No
47	GOM_NL__2PRFIN20090412_072048_000000412078_00078_37206_6699.N1	12-APR-2009 07:20:48	Straylight	40.500	131	Gam Lup	2.8000	26000.	81	37206	No
48	GOM_NL__2PRFIN20090412_073341_000000362078_00078_37206_6700.N1	12-APR-2009 07:33:41	Bright	36.000	15	67Alp Vir	0.97600	28000.	72	37206	No
49	GOM_NL__2PRFIN20090412_074042_000000362078_00078_37206_6701.N1	12-APR-2009 07:40:42	Bright	36.000	138	47Eps Vir	2.8280	4700.0	72	37206	No
50	GOM_NL__2PRFIN20090412_074425_000000452078_00078_37206_6702.N1	12-APR-2009 07:44:25	Bright	45.000	111	8Eta Boo	2.6800	6000.0	90	37206	No
51	GOM_NL__2PRFIN20090412_075325_000000392078_00078_37206_6703.N1	12-APR-2009 07:53:25	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	37206	No
52	GOM_NL__2PRFIN20090412_080204_000000402078_00078_37206_6704.N1	12-APR-2009 08:02:04	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	37206	No
53	GOM_NL__2PRFIN20090412_081533_000000332078_00078_37206_6705.N1	12-APR-2009 08:15:33	Bright	32.500	19	50Alp Cyg	1.2460	10500.	65	37206	No
54	GOM_NL__2PRFIN20090412_081718_000000362078_00078_37206_6706.N1	12-APR-2009 08:17:18	Bright	35.500	66	37Gam Cyg	2.2080	5900.0	71	37206	No
55	GOM_NL__2PRFIN20090412_081942_000000342078_00078_37206_6707.N1	12-APR-2009 08:19:42	Bright	34.000	92	53Eps Cyg	2.5000	4500.0	68	37206	No
56	GOM_NL__2PRFIN20090412_084728_000000542078_00079_37207_6704.N1	12-APR-2009 08:47:28	Dark	54.000	103	38Zet Sgr	2.6000	9700.0	108	37207	No
57	GOM_NL__2PRFIN20090412_085106_000000542078_00079_37207_6705.N1	12-APR-2009 08:51:06	Dark	53.500	38	20Eps Sgr	1.8360	11000.	107	37207	No
58	GOM_NL__2PRFIN20090412_085510_000000522078_00079_37207_6706.N1	12-APR-2009 08:55:10	Dark	52.000	25	35Lam Sco	1.6200	28000.	104	37207	No
59	GOM_NL__2PRFIN20090412_090125_000000412078_00079_37207_6707.N1	12-APR-2009 09:01:25	Straylight	40.500	131	Gam Lup	2.8000	26000.	81	37207	No
60	GOM_NL__2PRFIN20090412_091417_000000362078_00079_37207_6708.N1	12-APR-2009 09:14:17	Bright	35.500	15	67Alp Vir	0.97600	28000.	71	37207	No
61	GOM_NL__2PRFIN20090412_092118_000000362078_00079_37207_6709.N1	12-APR-2009 09:21:18	Bright	36.000	138	47Eps Vir	2.8280	4700.0	72	37207	No
62	GOM_NL__2PRFIN20090412_092501_000000452078_00079_37207_6710.N1	12-APR-2009 09:25:01	Bright	45.000	111	8Eta Boo	2.6800	6000.0	90	37207	No
63	GOM_NL__2PRFIN20090412_093400_000000402078_00079_37207_6711.N1	12-APR-2009 09:34:00	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	37207	No
64	GOM_NL__2PRFIN20090412_094240_000000402078_00079_37207_6712.N1	12-APR-2009 09:42:40	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	37207	No
65	GOM_NL__2PRFIN20090412_095609_000000332078_00079_37207_6713.N1	12-APR-2009 09:56:09	Bright	33.000	19	50Alp Cyg	1.2460	10500.	66	37207	No
66	GOM_NL__2PRFIN20090412_095754_000000362078_00079_37207_6714.N1	12-APR-2009 09:57:54	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	37207	No
67	GOM_NL__2PRFIN20090412_100018_000000352078_00079_37207_6715.N1	12-APR-2009 10:00:18	Bright	34.500	92	53Eps Cyg	2.5000	4500.0	69	37207	No
68	GOM_NL__2PRFIN20090412_102805_000000552078_00080_37208_6724.N1	12-APR-2009 10:28:05	Dark	54.500	103	38Zet Sgr	2.6000	9700.0	109	37208	No
69	GOM_NL__2PRFIN20090412_103143_000000542078_00080_37208_6725.N1	12-APR-2009 10:31:43	Dark	54.000	38	20Eps Sgr	1.8360	11000.	108	37208	No
70	GOM_NL__2PRFIN20090412_103548_000000532078_00080_37208_6726.N1	12-APR-2009 10:35:48	Dark	53.000	25	35Lam Sco	1.6200	28000.	106	37208	No
71	GOM_NL__2PRFIN20090412_104201_000000412078_00080_37208_6727.N1	12-APR-2009 10:42:01	Straylight	41.000	131	Gam Lup	2.8000	26000.	82	37208	No
72	GOM_NL__2PRFIN20090412_105453_000000372078_00080_37208_6728.N1	12-APR-2009 10:54:53	Bright	36.500	15	67Alp Vir	0.97600	28000.	73	37208	No
73	GOM_NL__2PRFIN20090412_110153_000000372078_00080_37208_6729.N1	12-APR-2009 11:01:53	Bright	36.500	138	47Eps Vir	2.8280	4700.0	73	37208	No
74	GOM_NL__2PRFIN20090412_110536_000000462078_00080_37208_6730.N1	12-APR-2009 11:05:36	Bright	45.500	111	8Eta Boo	2.6800	6000.0	91	37208	No
75	GOM_NL__2PRFIN20090412_111436_000000382078_00080_37208_6731.N1	12-APR-2009 11:14:36	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	37208	No
76	GOM_NL__2PRFIN20090412_112315_000000412078_00080_37208_6732.N1	12-APR-2009 11:23:15	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	37208	No
77	GOM_NL__2PRFIN20090412_113645_000000342078_00080_37208_6733.N1	12-APR-2009 11:36:45	Bright	33.500	19	50Alp Cyg	1.2460	10500.	67	37208	No
78	GOM_NL__2PRFIN20090412_113830_000000362078_00080_37208_6734.N1	12-APR-2009 11:38:30	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	37208	No
79	GOM_NL__2PRFIN20090412_114054_000000342078_00080_37208_6735.N1	12-APR-2009 11:40:54	Bright	34.000	92	53Eps Cyg	2.5000	4500.0	68	37208	No
80	GOM_NL__2PRFIN20090412_121221_000000542078_00081_37209_6738.N1	12-APR-2009 12:12:21	Dark	54.000	38	20Eps Sgr	1.8360	11000.	108	37209	No
81	GOM_NL__2PRFIN20090412_121625_000000532078_00081_37209_6739.N1	12-APR-2009 12:16:25	Dark	53.000	25	35Lam Sco	1.6200	28000.	106	37209	No
82	GOM_NL__2PRFIN20090412_122238_000000402078_00081_37209_6740.N1	12-APR-2009 12:22:38	Straylight	39.500	131	Gam Lup	2.8000	26000.	79	37209	No
83	GOM_NL__2PRFIN20090412_123529_000000352078_00081_37209_6741.N1	12-APR-2009 12:35:29	Bright	35.000	15	67Alp Vir	0.97600	28000.	70	37209	No
84	GOM_NL__2PRFIN20090412_124229_000000372078_00081_37209_6742.N1	12-APR-2009 12:42:29	Bright	36.500	138	47Eps Vir	2.8280	4700.0	73	37209	No
85	GOM_NL__2PRFIN20090412_124611_000000452078_00081_37209_6743.N1	12-APR-2009 12:46:11	Bright	45.000	111	8Eta Boo	2.6800	6000.0	90	37209	No
86	GOM_NL__2PRFIN20090412_125511_000000392078_00081_37209_6744.N1	12-APR-2009 12:55:11	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	37209	No
87	GOM_NL__2PRFIN20090412_130350_000000402078_00081_37209_6745.N1	12-APR-2009 13:03:50	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	37209	No
88	GOM_NL__2PRFIN20090412_131720_000000332078_00081_37209_6746.N1	12-APR-2009 13:17:20	Bright	33.000	19	50Alp Cyg	1.2460	10500.	66	37209	No
89	GOM_NL__2PRFIN20090412_131906_000000372078_00081_37209_6747.N1	12-APR-2009 13:19:06	Bright	36.500	66	37Gam Cyg	2.2080	5900.0	73	37209	No
90	GOM_NL__2PRFIN20090412_132130_000000352078_00081_37209_6748.N1	12-APR-2009 13:21:30	Bright	34.500	92	53Eps Cyg	2.5000	4500.0	69	37209	No
91	GOM_NL__2PRFIN20090412_134920_000000542078_00082_37210_6752.N1	12-APR-2009 13:49:20	Dark	54.000	103	38Zet Sgr	2.6000	9700.0	108	37210	No
92	GOM_NL__2PRFIN20090412_135258_000000542078_00082_37210_6753.N1	12-APR-2009 13:52:58	Dark	54.000	38	20Eps Sgr	1.8360	11000.	108	37210	No
93	GOM_NL__2PRFIN20090412_135702_000000532078_00082_37210_6754.N1	12-APR-2009 13:57:02	Dark	52.500	25	35Lam Sco	1.6200	28000.	105	37210	No
94	GOM_NL__2PRFIN20090412_140314_000000402078_00082_37210_6755.N1	12-APR-2009 14:03:14	Straylight	40.000	131	Gam Lup	2.8000	26000.	80	37210	No
95	GOM_NL__2PRFIN20090412_141605_000000362078_00082_37210_6756.N1	12-APR-2009 14:16:05	Bright	36.000	15	67Alp Vir	0.97600	28000.	72	37210	No
96	GOM_NL__2PRFIN20090412_142305_000000362078_00082_37210_6757.N1	12-APR-2009 14:23:05	Bright	36.000	138	47Eps Vir	2.8280	4700.0	72	37210	No
97	GOM_NL__2PRFIN20090412_142646_000000452078_00082_37210_6758.N1	12-APR-2009 14:26:46	Bright	45.000	111	8Eta Boo	2.6800	6000.0	90	37210	No
98	GOM_NL__2PRFIN20090412_143546_000000392078_00082_37210_6759.N1	12-APR-2009 14:35:46	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	37210	No
99	GOM_NL__2PRFIN20090412_144425_000000402078_00082_37210_6760.N1	12-APR-2009 14:44:25	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	37210	No
100	GOM_NL__2PRFIN20090412_145756_000000332078_00082_37210_6761.N1	12-APR-2009 14:57:56	Bright	33.000	19	50Alp Cyg	1.2460	10500.	66	37210	No
101	GOM_NL__2PRFIN20090412_145942_000000362078_00082_37210_6762.N1	12-APR-2009 14:59:42	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	37210	No

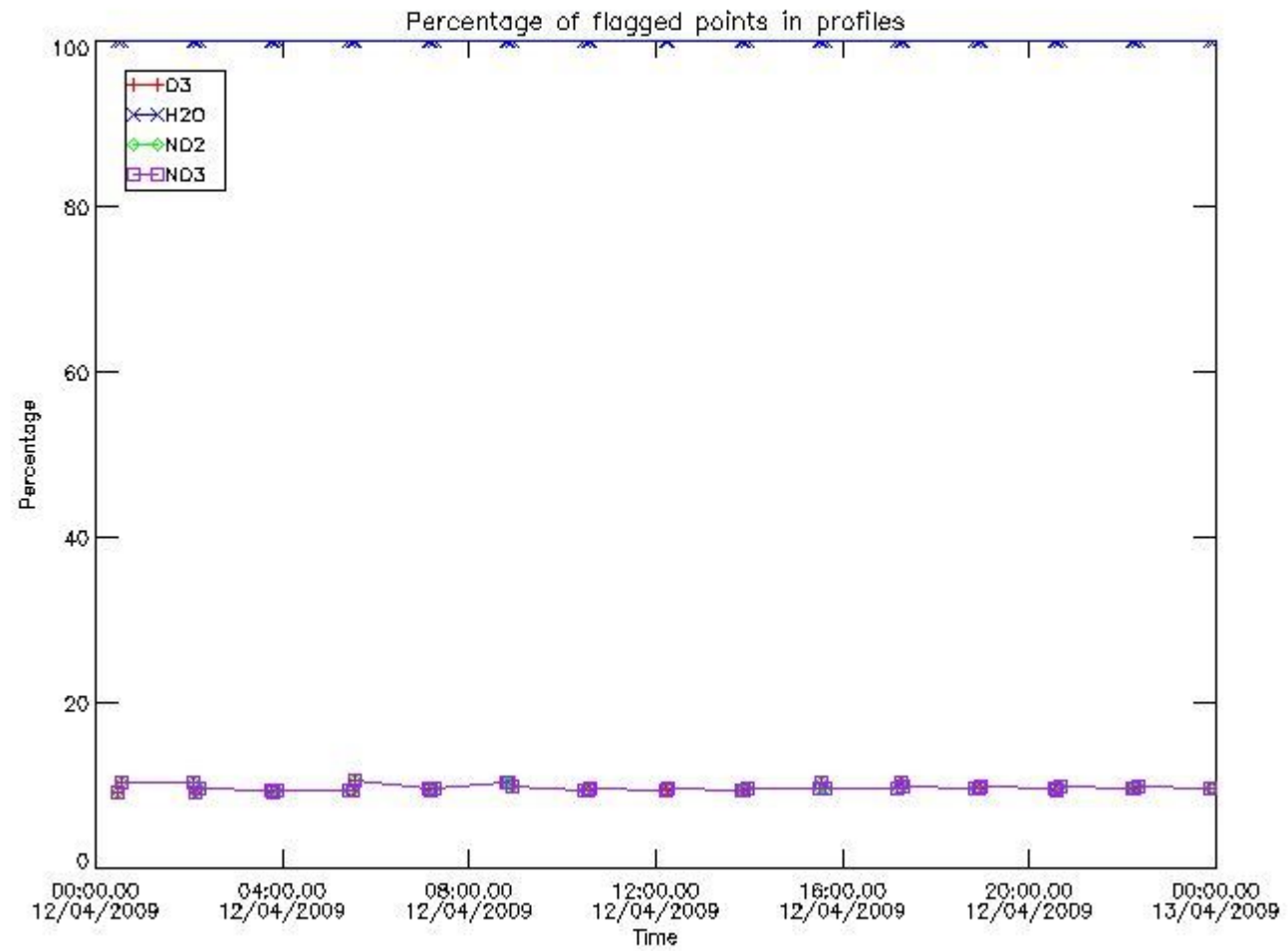
102	GOM_NL__2PRFIN20090412_150206_000000352078_00082_37210_6763.N1	12-APR-2009 15:02:06	Bright	34.500	92	53Eps Cyg	2.5000	4500.0	69	37210	No
103	GOM_NL__2PRFIN20090412_152958_000000542078_00083_37211_6766.N1	12-APR-2009 15:29:58	Dark	53.500	103	38Zet Sgr	2.6000	9700.0	107	37211	No
104	GOM_NL__2PRFIN20090412_153335_000000542078_00083_37211_6767.N1	12-APR-2009 15:33:35	Dark	54.000	38	20Eps Sgr	1.8360	11000.	108	37211	No
105	GOM_NL__2PRFIN20090412_153739_000000532078_00083_37211_6768.N1	12-APR-2009 15:37:39	Dark	52.500	25	35Lam Sco	1.6200	28000.	105	37211	No
106	GOM_NL__2PRFIN20090412_154351_000000412078_00083_37211_6769.N1	12-APR-2009 15:43:51	Straylight	40.500	131	Gam Lup	2.8000	26000.	81	37211	No
107	GOM_NL__2PRFIN20090412_155641_000000362078_00083_37211_6770.N1	12-APR-2009 15:56:41	Bright	35.500	15	67Alp Vir	0.97600	28000.	71	37211	No
108	GOM_NL__2PRFIN20090412_160340_000000362078_00083_37211_6771.N1	12-APR-2009 16:03:40	Bright	36.000	138	47Eps Vir	2.8280	4700.0	72	37211	No
109	GOM_NL__2PRFIN20090412_160722_000000452078_00083_37211_6772.N1	12-APR-2009 16:07:22	Bright	45.000	111	8Eta Boo	2.6800	6000.0	90	37211	No
110	GOM_NL__2PRFIN20090412_161622_000000402078_00083_37211_6773.N1	12-APR-2009 16:16:22	Bright	40.000	39	85Eta UMa	1.8540	24000.	80	37211	No
111	GOM_NL__2PRFIN20090412_162500_000000402078_00083_37211_6774.N1	12-APR-2009 16:25:00	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	37211	No
112	GOM_NL__2PRFIN20090412_163832_000000332078_00083_37211_6775.N1	12-APR-2009 16:38:32	Bright	33.000	19	50Alp Cyg	1.2460	10500.	66	37211	No
113	GOM_NL__2PRFIN20090412_164017_000000362078_00083_37211_6776.N1	12-APR-2009 16:40:17	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	37211	No
114	GOM_NL__2PRFIN20090412_164243_000000342078_00083_37211_6777.N1	12-APR-2009 16:42:43	Bright	34.000	92	53Eps Cyg	2.5000	4500.0	68	37211	No
115	GOM_NL__2PRFIN20090412_171035_000000542078_00084_37212_6782.N1	12-APR-2009 17:10:35	Dark	53.500	103	38Zet Sgr	2.6000	9700.0	107	37212	No
116	GOM_NL__2PRFIN20090412_171413_000000542078_00084_37212_6783.N1	12-APR-2009 17:14:13	Dark	53.500	38	20Eps Sgr	1.8360	11000.	107	37212	No
117	GOM_NL__2PRFIN20090412_171817_000000522078_00084_37212_6784.N1	12-APR-2009 17:18:17	Dark	51.500	25	35Lam Sco	1.6200	28000.	103	37212	No
118	GOM_NL__2PRFIN20090412_172428_000000402078_00084_37212_6785.N1	12-APR-2009 17:24:28	Straylight	40.000	131	Gam Lup	2.8000	26000.	80	37212	No
119	GOM_NL__2PRFIN20090412_173717_000000362078_00084_37212_6786.N1	12-APR-2009 17:37:17	Bright	35.500	15	67Alp Vir	0.97600	28000.	71	37212	No
120	GOM_NL__2PRFIN20090412_174416_000000362078_00084_37212_6787.N1	12-APR-2009 17:44:16	Bright	36.000	138	47Eps Vir	2.8280	4700.0	72	37212	No
121	GOM_NL__2PRFIN20090412_174757_000000452078_00084_37212_6788.N1	12-APR-2009 17:47:57	Bright	44.500	111	8Eta Boo	2.6800	6000.0	89	37212	No
122	GOM_NL__2PRFIN20090412_175657_000000392078_00084_37212_6789.N1	12-APR-2009 17:56:57	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	37212	No
123	GOM_NL__2PRFIN20090412_180536_000000402078_00084_37212_6790.N1	12-APR-2009 18:05:36	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	37212	No
124	GOM_NL__2PRFIN20090412_181908_000000332078_00084_37212_6791.N1	12-APR-2009 18:19:08	Bright	32.500	19	50Alp Cyg	1.2460	10500.	65	37212	No
125	GOM_NL__2PRFIN20090412_182053_000000362078_00084_37212_6792.N1	12-APR-2009 18:20:53	Bright	35.500	66	37Gam Cyg	2.2080	5900.0	71	37212	No
126	GOM_NL__2PRFIN20090412_182319_000000342078_00084_37212_6793.N1	12-APR-2009 18:23:19	Bright	34.000	92	53Eps Cyg	2.5000	4500.0	68	37212	No
127	GOM_NL__2PRFIN20090412_185113_000000542078_00085_37213_6799.N1	12-APR-2009 18:51:13	Dark	53.500	103	38Zet Sgr	2.6000	9700.0	107	37213	No
128	GOM_NL__2PRFIN20090412_185450_000000542078_00085_37213_6800.N1	12-APR-2009 18:54:50	Dark	53.500	38	20Eps Sgr	1.8360	11000.	107	37213	No
129	GOM_NL__2PRFIN20090412_185854_000000522078_00085_37213_6801.N1	12-APR-2009 18:58:54	Dark	52.000	25	35Lam Sco	1.6200	28000.	104	37213	No
130	GOM_NL__2PRFIN20090412_190504_000000412078_00085_37213_6802.N1	12-APR-2009 19:05:04	Straylight	40.500	131	Gam Lup	2.8000	26000.	81	37213	No
131	GOM_NL__2PRFIN20090412_191753_000000362078_00085_37213_6803.N1	12-APR-2009 19:17:53	Bright	36.000	15	67Alp Vir	0.97600	28000.	72	37213	No
132	GOM_NL__2PRFIN20090412_192452_000000372078_00085_37213_6804.N1	12-APR-2009 19:24:52	Bright	36.500	138	47Eps Vir	2.8280	4700.0	73	37213	No
133	GOM_NL__2PRFIN20090412_192832_000000452078_00085_37213_6805.N1	12-APR-2009 19:28:32	Bright	45.000	111	8Eta Boo	2.6800	6000.0	90	37213	No
134	GOM_NL__2PRFIN20090412_193733_000000392078_00085_37213_6806.N1	12-APR-2009 19:37:33	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	37213	No
135	GOM_NL__2PRFIN20090412_194611_000000402078_00085_37213_6807.N1	12-APR-2009 19:46:11	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	37213	No
136	GOM_NL__2PRFIN20090412_195944_000000332078_00085_37213_6808.N1	12-APR-2009 19:59:44	Bright	33.000	19	50Alp Cyg	1.2460	10500.	66	37213	No
137	GOM_NL__2PRFIN20090412_200129_000000362078_00085_37213_6809.N1	12-APR-2009 20:01:29	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	37213	No
138	GOM_NL__2PRFIN20090412_200355_000000352078_00085_37213_6810.N1	12-APR-2009 20:03:55	Bright	34.500	92	53Eps Cyg	2.5000	4500.0	69	37213	No
139	GOM_NL__2PRFIN20090412_203150_000000542078_00086_37214_6830.N1	12-APR-2009 20:31:50	Dark	53.500	103	38Zet Sgr	2.6000	9700.0	107	37214	No
140	GOM_NL__2PRFIN20090412_203528_000000542078_00086_37214_6831.N1	12-APR-2009 20:35:28	Dark	54.000	38	20Eps Sgr	1.8360	11000.	108	37214	No
141	GOM_NL__2PRFIN20090412_203931_000000522078_00086_37214_6832.N1	12-APR-2009 20:39:31	Dark	52.000	25	35Lam Sco	1.6200	28000.	104	37214	No
142	GOM_NL__2PRFIN20090412_204541_000000412078_00086_37214_6833.N1	12-APR-2009 20:45:41	Straylight	40.500	131	Gam Lup	2.8000	26000.	81	37214	No
143	GOM_NL__2PRFIN20090412_205829_000000362078_00086_37214_6834.N1	12-APR-2009 20:58:29	Bright	35.500	15	67Alp Vir	0.97600	28000.	71	37214	No
144	GOM_NL__2PRFIN20090412_210528_000000362078_00086_37214_6835.N1	12-APR-2009 21:05:28	Bright	36.000	138	47Eps Vir	2.8280	4700.0	72	37214	No
145	GOM_NL__2PRFIN20090412_210908_000000452078_00086_37214_6836.N1	12-APR-2009 21:09:08	Bright	44.500	111	8Eta Boo	2.6800	6000.0	89	37214	No
146	GOM_NL__2PRFIN20090412_211808_000000392078_00086_37214_6837.N1	12-APR-2009 21:18:08	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	37214	No
147	GOM_NL__2PRFIN20090412_212646_000000412078_00086_37214_6838.N1	12-APR-2009 21:26:46	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	37214	No
148	GOM_NL__2PRFIN20090412_214020_000000342078_00086_37214_6839.N1	12-APR-2009 21:40:20	Bright	33.500	19	50Alp Cyg	1.2460	10500.	67	37214	No
149	GOM_NL__2PRFIN20090412_214205_000000372078_00086_37214_6840.N1	12-APR-2009 21:42:05	Bright	36.500	66	37Gam Cyg	2.2080	5900.0	73	37214	No
150	GOM_NL__2PRFIN20090412_214431_000000342078_00086_37214_6841.N1	12-APR-2009 21:44:31	Bright	34.000	92	53Eps Cyg	2.5000	4500.0	68	37214	No
151	GOM_NL__2PRFIN20090412_221228_000000542078_00087_37215_6846.N1	12-APR-2009 22:12:28	Dark	53.500	103	38Zet Sgr	2.6000	9700.0	107	37215	No
152	GOM_NL__2PRFIN20090412_221605_000000542078_00087_37215_6847.N1	12-APR-2009 22:16:05	Dark	53.500	38	20Eps Sgr	1.8360	11000.	107	37215	No
153	GOM_NL__2PRFIN20090412_222009_000000522078_00087_37215_6848.N1	12-APR-2009 22:20:09	Dark	52.000	25	35Lam Sco	1.6200	28000.	104	37215	No
154	GOM_NL__2PRFIN20090412_222618_000000402078_00087_37215_6849.N1	12-APR-2009 22:26:18	Straylight	40.000	131	Gam Lup	2.8000	26000.	80	37215	No
155	GOM_NL__2PRFIN20090412_223905_000000352078_00087_37215_6850.N1	12-APR-2009 22:39:05	Bright	35.000	15	67Alp Vir	0.97600	28000.	70	37215	No
156	GOM_NL__2PRFIN20090412_224604_000000362078_00087_37215_6851.N1	12-APR-2009 22:46:04	Bright	36.000	138	47Eps Vir	2.8280	4700.0	72	37215	No
157	GOM_NL__2PRFIN20090412_224943_000000452078_00087_37215_6852.N1	12-APR-2009 22:49:43	Bright	44.500	111	8Eta Boo	2.6800	6000.0	89	37215	No
158	GOM_NL__2PRFIN20090412_225844_000000432078_00087_37215_6853.N1	12-APR-2009 22:58:44	Bright	42.500	39	85Eta UMa	1.8540	24000.	85	37215	No
159	GOM_NL__2PRFIN20090412_230721_000000402078_00087_37215_6854.N1	12-APR-2009 23:07:21	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	37215	No
160	GOM_NL__2PRFIN20090412_232055_000000332078_00087_37215_6855.N1	12-APR-2009 23:20:55	Bright	33.000	19	50Alp Cyg	1.2460	10500.	66	37215	No

161	GOM_NL__2PRFIN20090412_232241_000000362078_00087_37215_6856.N1	12-APR-2009 23:22:41	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	37215	No
162	GOM_NL__2PRFIN20090412_232507_000000342078_00087_37215_6857.N1	12-APR-2009 23:25:07	Bright	34.000	92	53Eps Cyg	2.5000	4500.0	68	37215	No
163	GOM_NL__2PRFIN20090412_235305_000000542078_00088_37216_6862.N1	12-APR-2009 23:53:05	Dark	53.500	103	38Zet Sgr	2.6000	9700.0	107	37216	No
164	GOM_NL__2PRFIN20090412_235642_000000542078_00088_37216_6863.N1	12-APR-2009 23:56:42	Dark	53.500	38	20Eps Sgr	1.8360	11000.	107	37216	No

3. Quality information per product

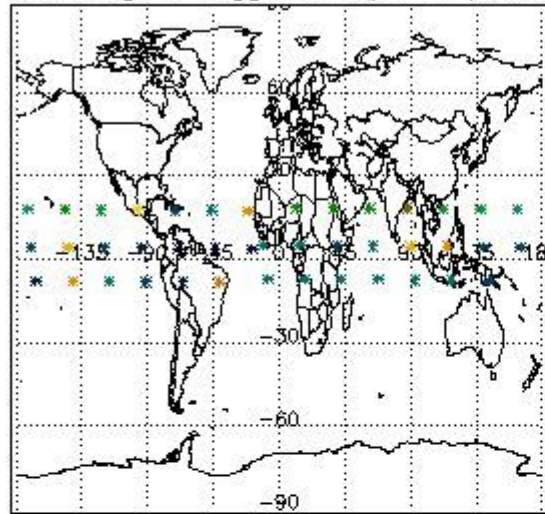
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

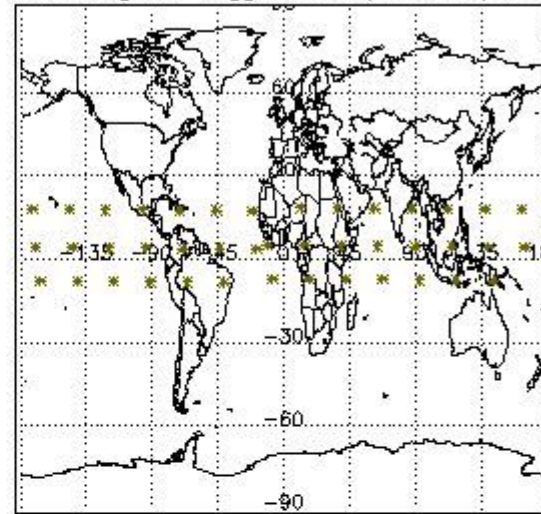


3.2 Plot quality information per product (world map)

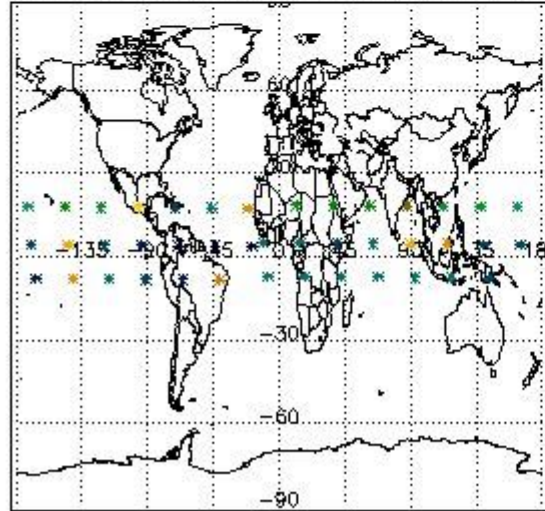
Percentage of flagged data per O3 profile



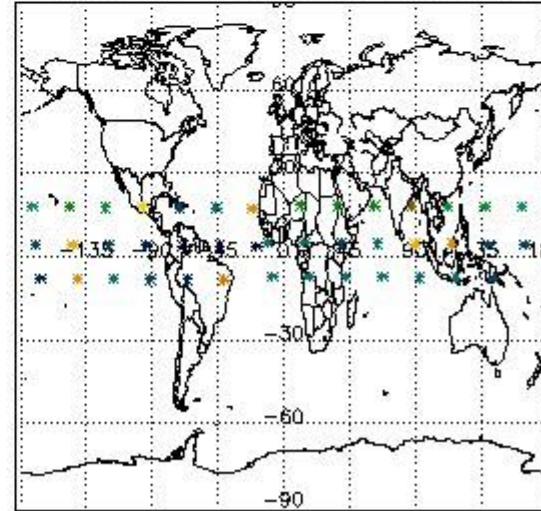
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

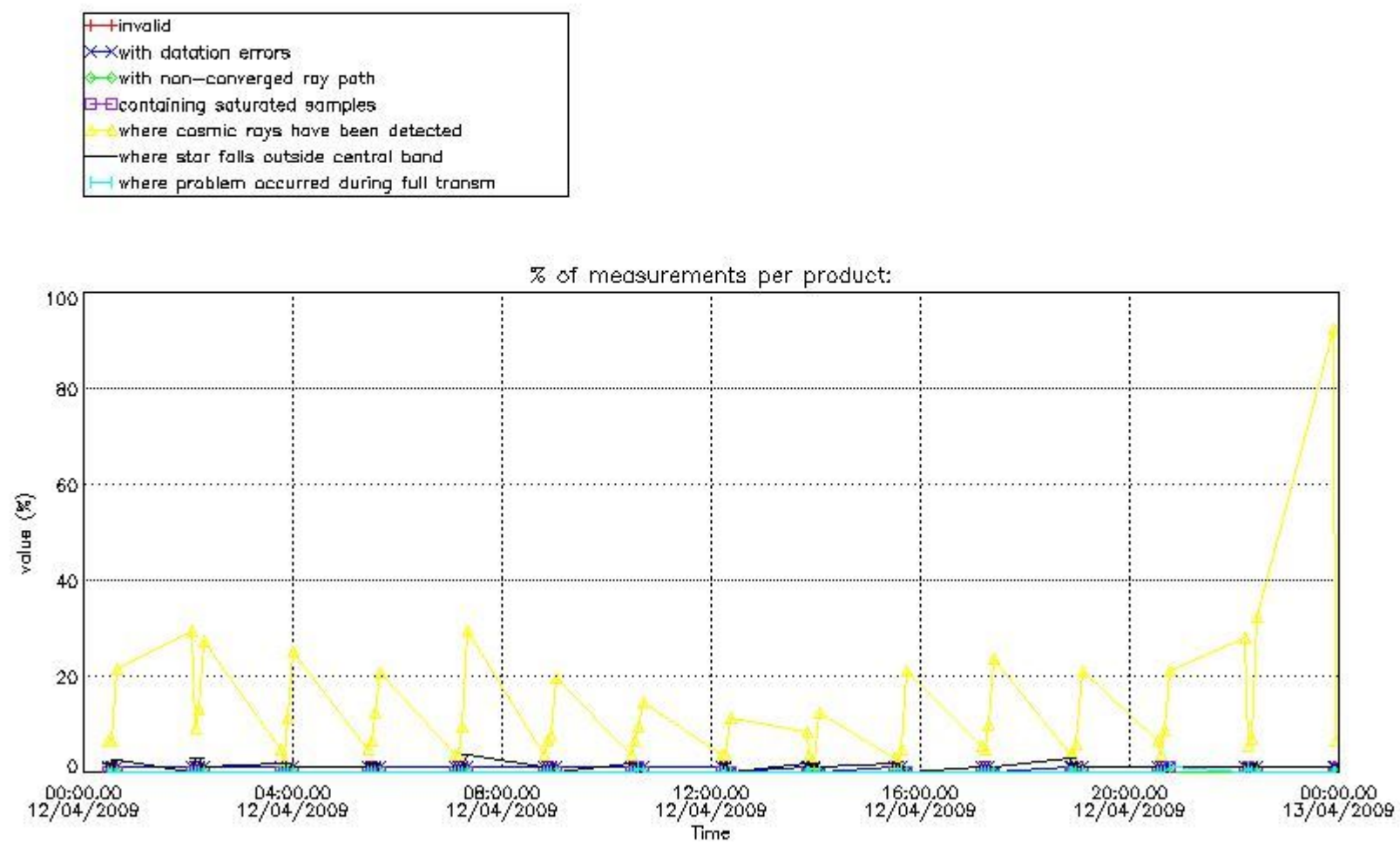


4. Level 1 quality information per product

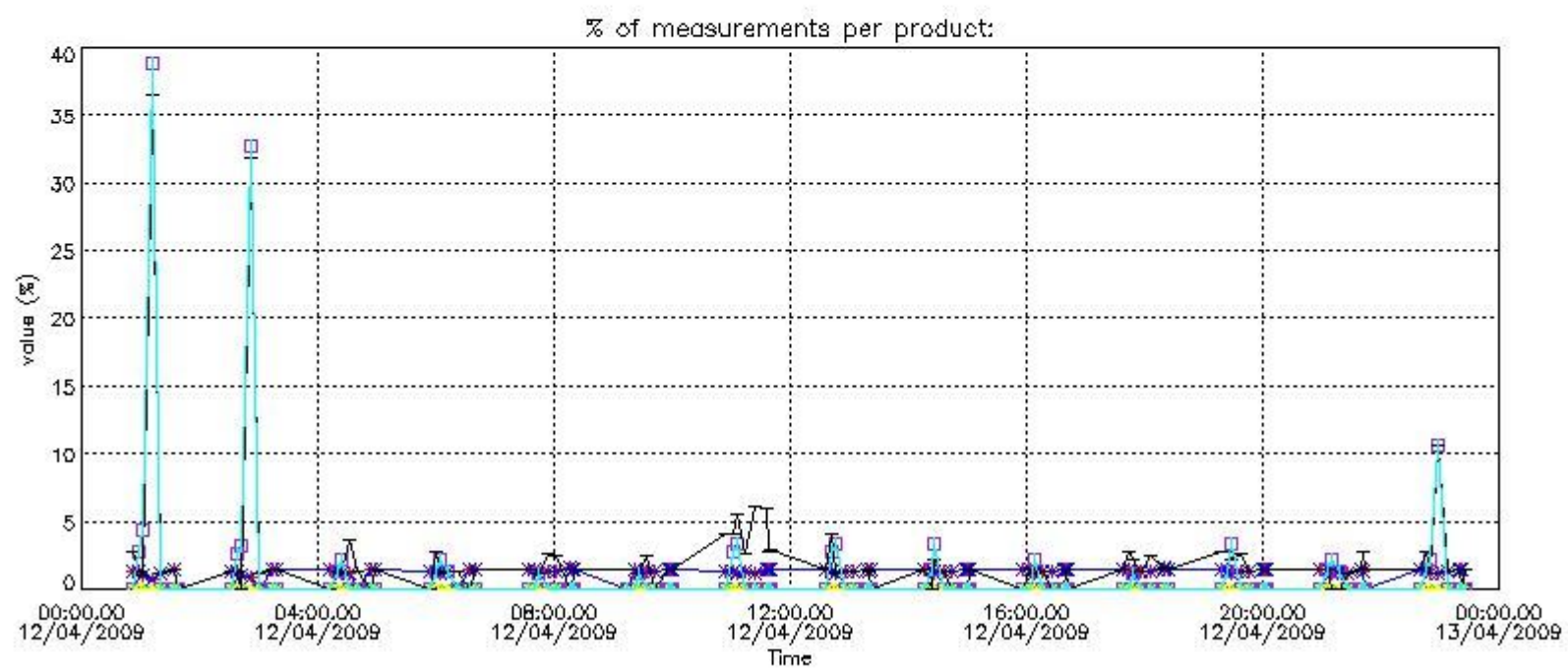
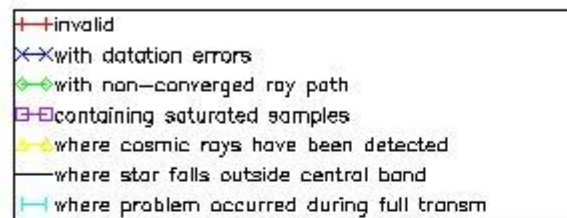
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



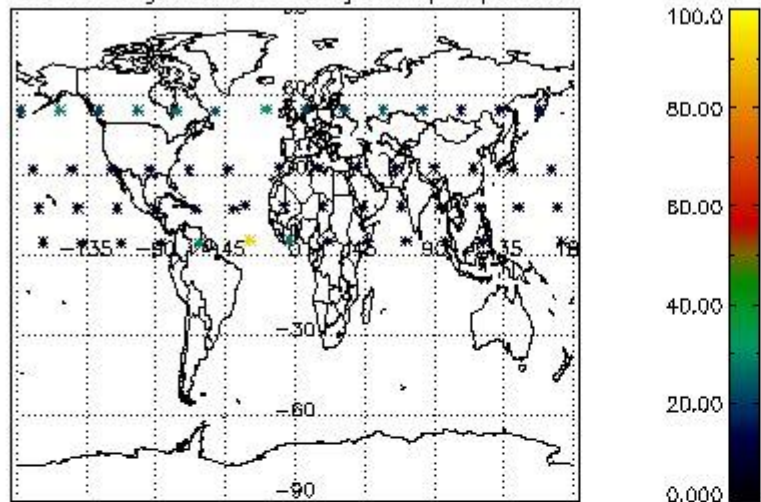
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



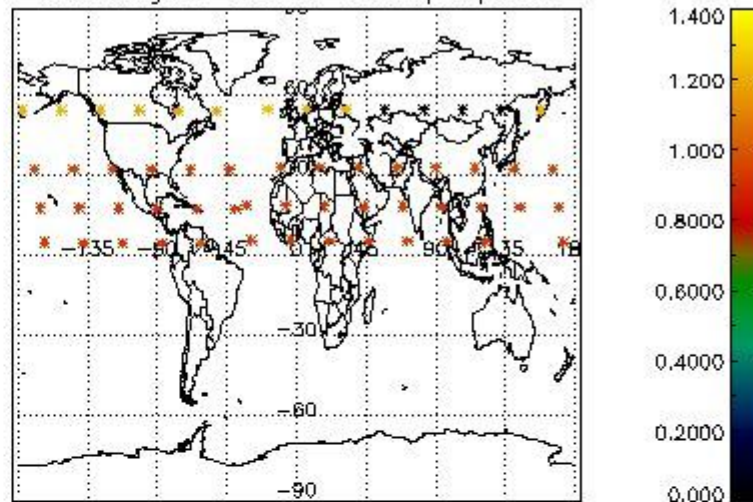
4.2 Plot quality information per product coming from level 1b processing (world map)

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

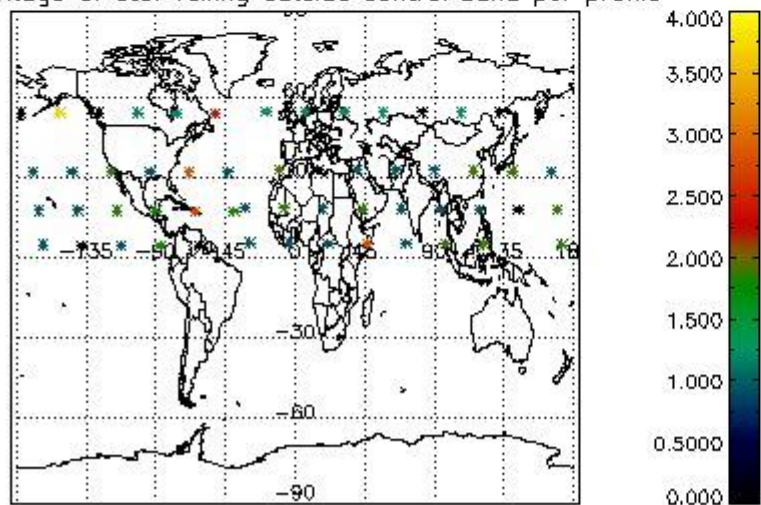
Percentage of cosmic ray hits per profile



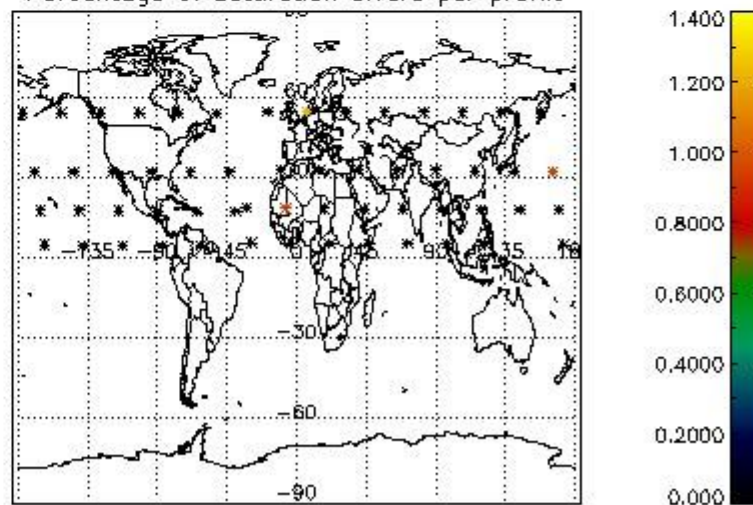
Percentage of datation errors per profile



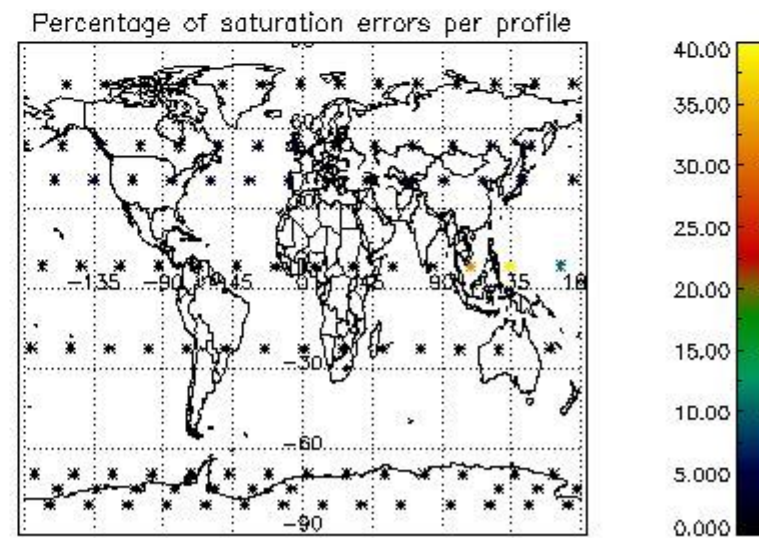
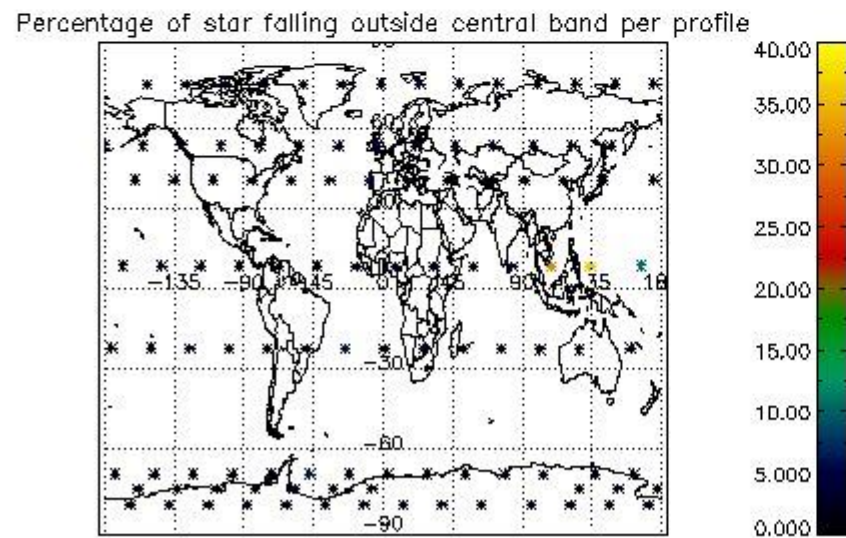
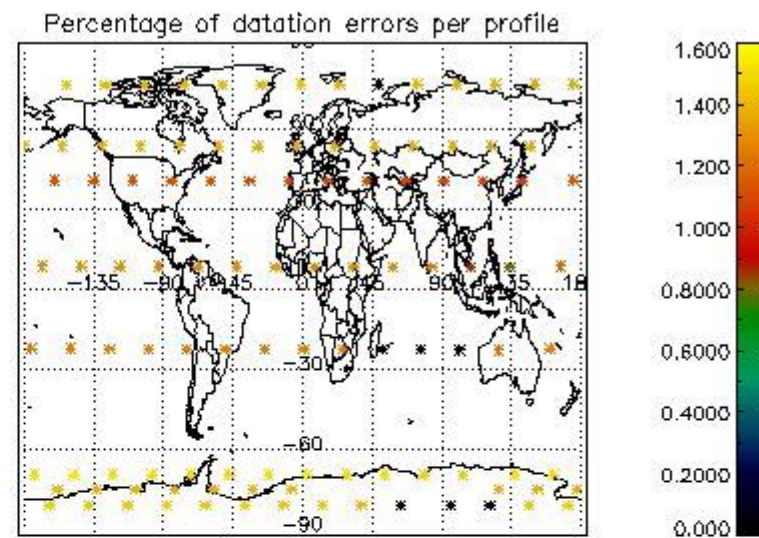
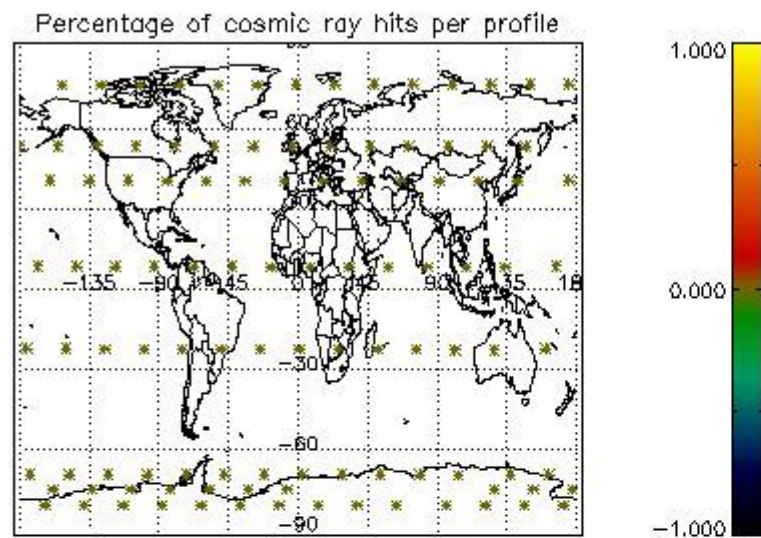
Percentage of star falling outside central band per profile



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

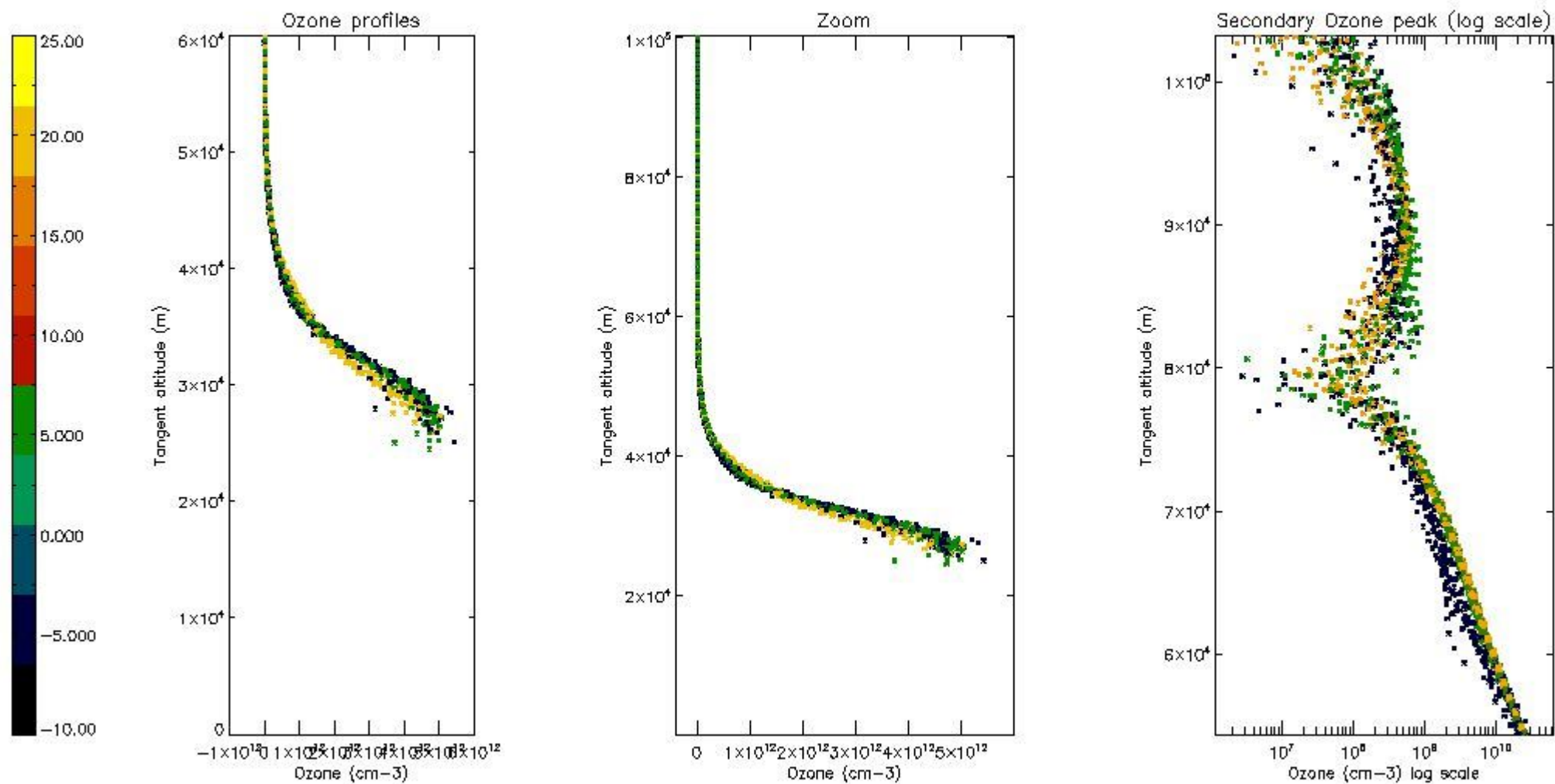
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	33
STD < 20	21

STD < 10	18
STD < 5	13

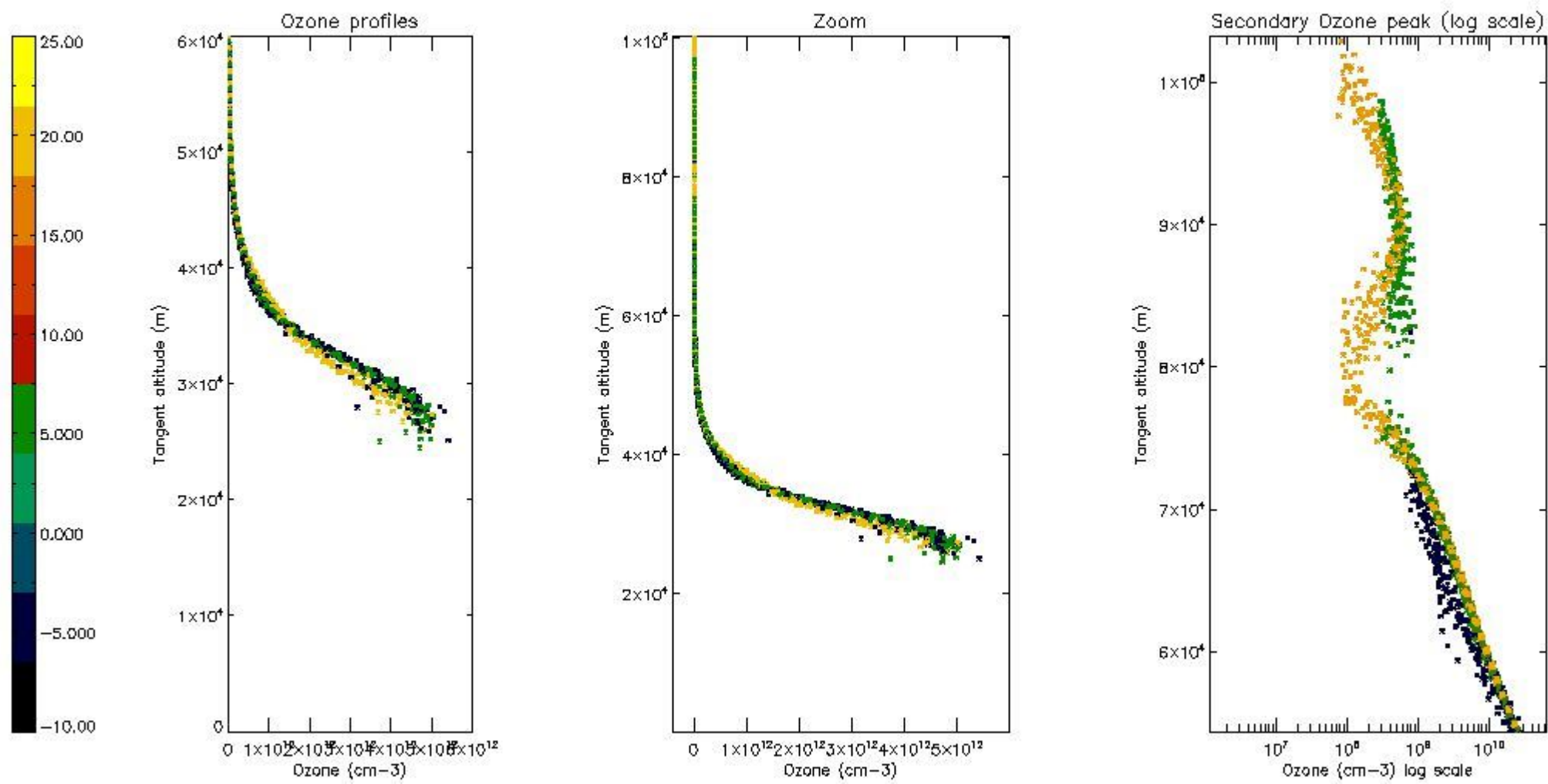
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



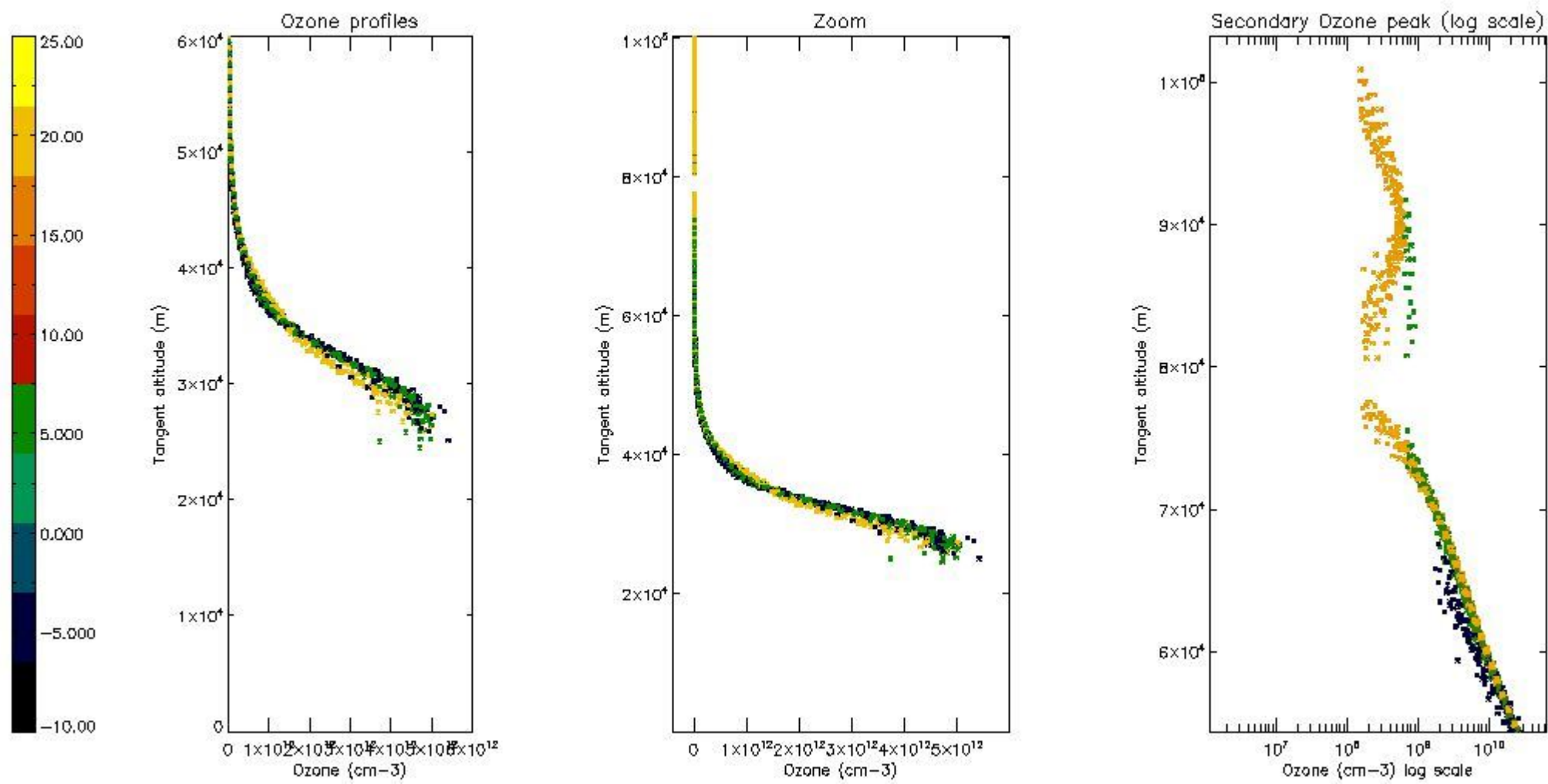
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



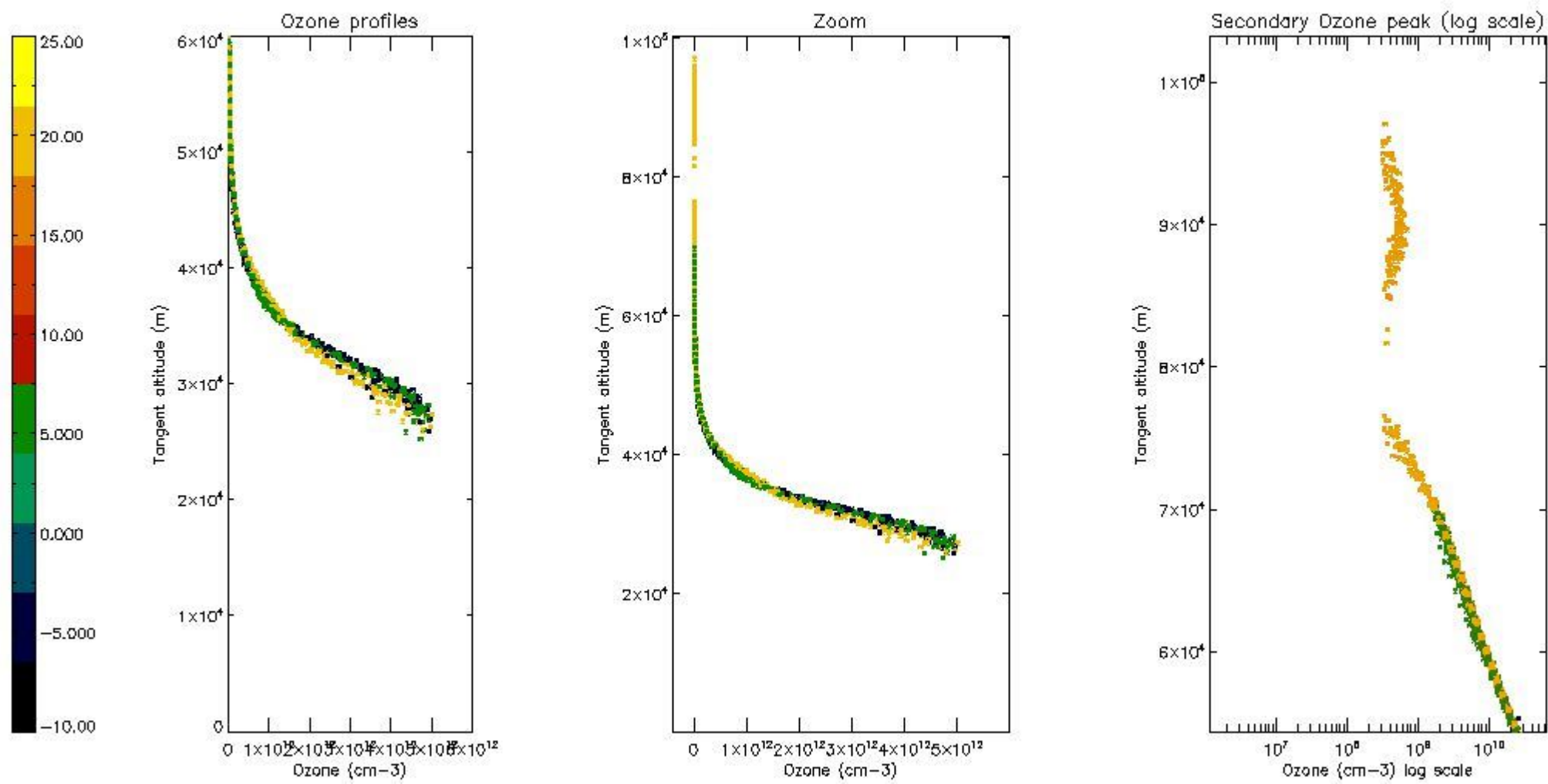
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



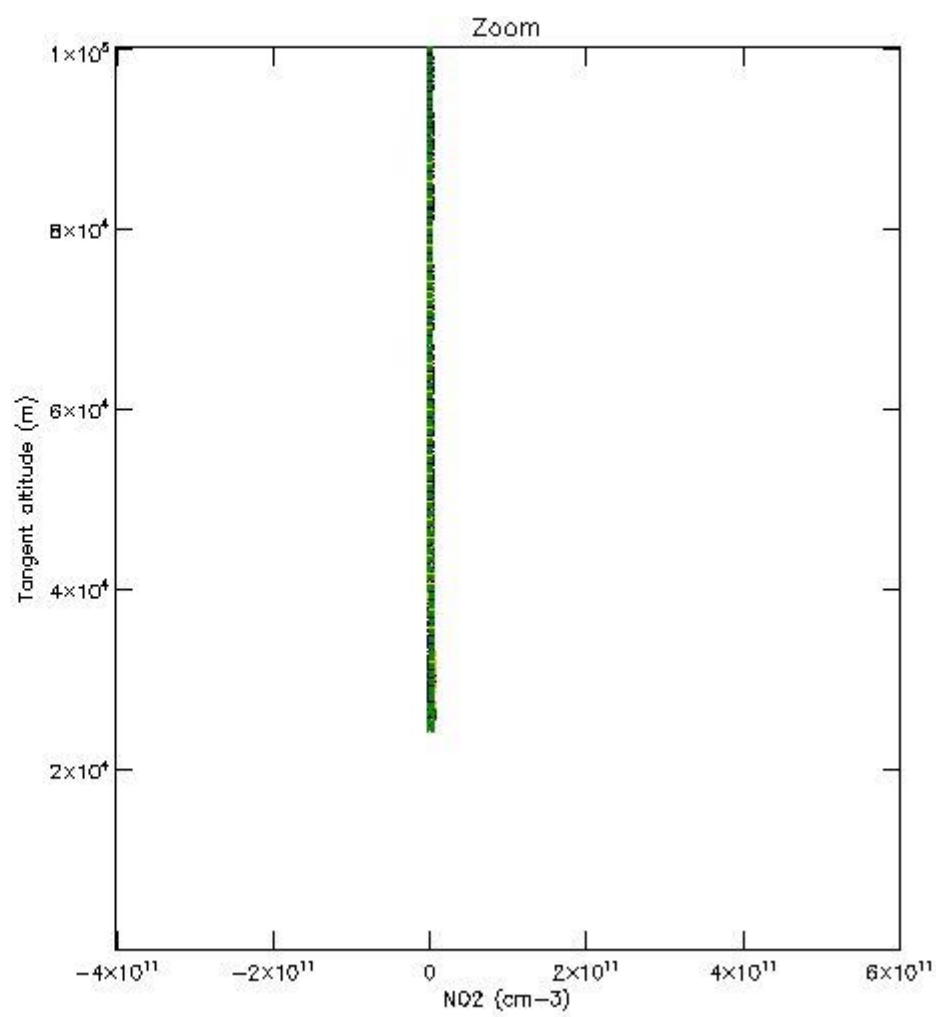
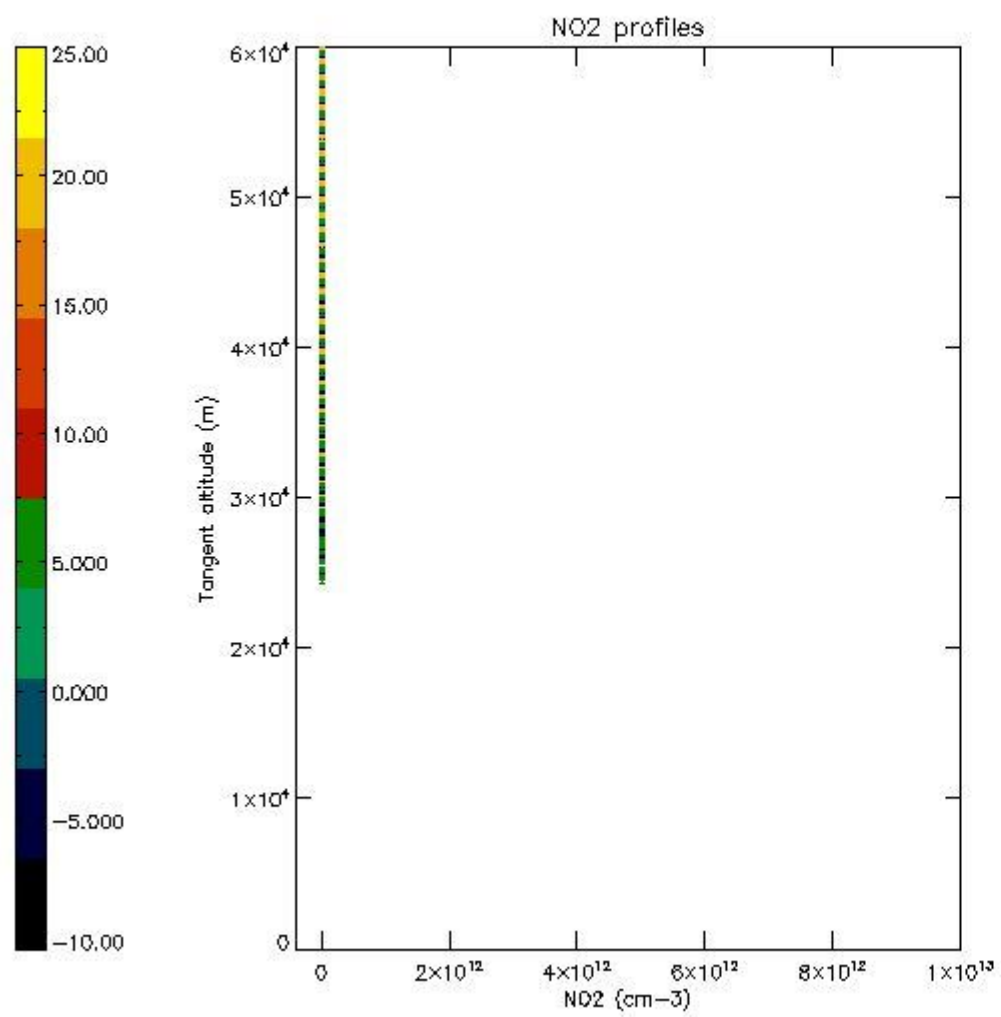
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



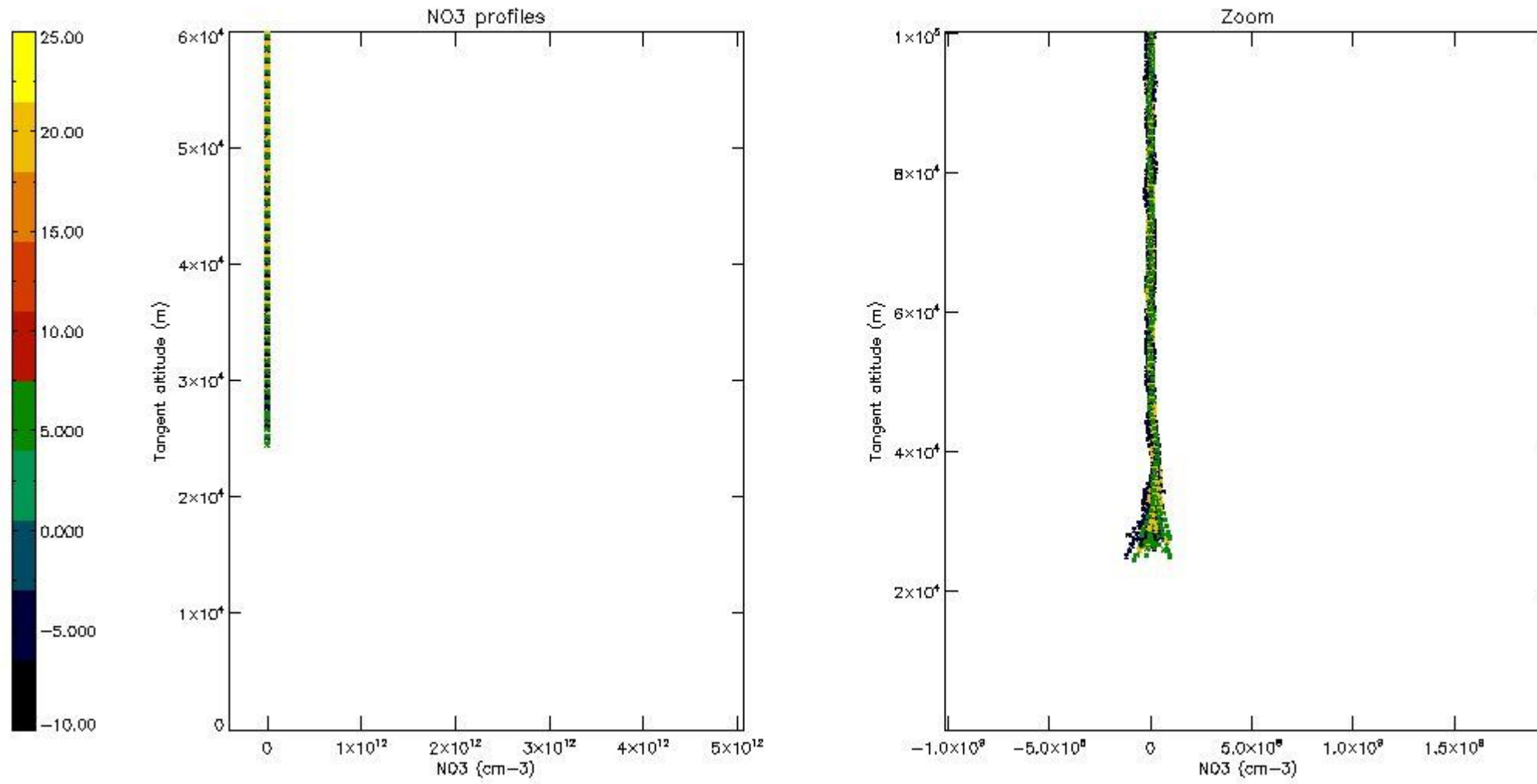
5.6 Plot NO₂ profiles for all STD (dark without errors)

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	12-APR-2009 00:27:58
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	12-APR-2009 00:27:58
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	12-APR-2009 00:27:58

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 08:46:00
Data source version	GOMOS/6.01
Start time of products	12-04-2009 (12APR2009 00:00:00)
Stop time of products	13-04-2009 (13APR2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	164
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__2PRFIN20090412_002758_000000552078_00074_37202_6615.N1	12-APR-2009 00:27:58	Dark	55.000	38	20Eps Sgr	1.8360	11000.	110	37202	No
2	GOM_NL__2PRFIN20090412_003204_000000542078_00074_37202_6616.N1	12-APR-2009 00:32:04	Dark	54.000	25	35Lam Sco	1.6200	28000.	108	37202	No
3	GOM_NL__2PRFIN20090412_003821_000000422078_00074_37202_6617.N1	12-APR-2009 00:38:21	Straylight	42.000	131	Gam Lup	2.8000	26000.	84	37202	No
4	GOM_NL__2PRFIN20090412_005117_000000372078_00074_37202_6618.N1	12-APR-2009 00:51:17	Bright	37.000	15	67Alp Vir	0.97600	28000.	74	37202	No
5	GOM_NL__2PRFIN20090412_005819_000000372078_00074_37202_6619.N1	12-APR-2009 00:58:19	Bright	37.000	138	47Eps Vir	2.8280	4700.0	74	37202	No
6	GOM_NL__2PRFIN20090412_010204_000000472078_00074_37202_6620.N1	12-APR-2009 01:02:04	Bright	46.500	111	8Eta Boo	2.6800	6000.0	93	37202	No
7	GOM_NL__2PRFIN20090412_011103_000000632078_00074_37202_6621.N1	12-APR-2009 01:11:03	Bright	63.000	39	85Eta UMa	1.8540	24000.	126	37202	No
8	GOM_NL__2PRFIN20090412_011943_000000412078_00074_37202_6622.N1	12-APR-2009 01:19:43	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	37202	No
9	GOM_NL__2PRFIN20090412_013310_000000342078_00074_37202_6623.N1	12-APR-2009 01:33:10	Bright	34.000	19	50Alp Cyg	1.2460	10500.	68	37202	No
10	GOM_NL__2PRFIN20090412_013718_000000352078_00074_37202_6624.N1	12-APR-2009 01:37:18	Bright	34.500	92	53Eps Cyg	2.5000	4500.0	69	37202	No
11	GOM_NL__2PRFIN20090412_020458_000000502078_00075_37203_6629.N1	12-APR-2009 02:04:58	Dark	49.500	103	38Zet Sgr	2.6000	9700.0	99	37203	No
12	GOM_NL__2PRFIN20090412_020836_000000552078_00075_37203_6630.N1	12-APR-2009 02:08:36	Dark	55.000	38	20Eps Sgr	1.8360	11000.	110	37203	No
13	GOM_NL__2PRFIN20090412_021241_000000542078_00075_37203_6631.N1	12-APR-2009 02:12:41	Dark	53.500	25	35Lam Sco	1.6200	28000.	107	37203	No
14	GOM_NL__2PRFIN20090412_021858_000000422078_00075_37203_6632.N1	12-APR-2009 02:18:58	Straylight	42.000	131	Gam Lup	2.8000	26000.	84	37203	No
15	GOM_NL__2PRFIN20090412_023153_000000372078_00075_37203_6633.N1	12-APR-2009 02:31:53	Bright	37.000	15	67Alp Vir	0.97600	28000.	74	37203	No
16	GOM_NL__2PRFIN20090412_023854_000000382078_00075_37203_6634.N1	12-APR-2009 02:38:54	Bright	37.500	138	47Eps Vir	2.8280	4700.0	75	37203	No
17	GOM_NL__2PRFIN20090412_024239_000000462078_00075_37203_6635.N1	12-APR-2009 02:42:39	Bright	46.000	111	8Eta Boo	2.6800	6000.0	92	37203	No
18	GOM_NL__2PRFIN20090412_025139_000000582078_00075_37203_6636.N1	12-APR-2009 02:51:39	Bright	58.000	39	85Eta UMa	1.8540	24000.	116	37203	No
19	GOM_NL__2PRFIN20090412_030019_000000412078_00075_37203_6637.N1	12-APR-2009 03:00:19	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	37203	No
20	GOM_NL__2PRFIN20090412_031346_000000342078_00075_37203_6638.N1	12-APR-2009 03:13:46	Bright	34.000	19	50Alp Cyg	1.2460	10500.	68	37203	No
21	GOM_NL__2PRFIN20090412_031754_000000362078_00075_37203_6639.N1	12-APR-2009 03:17:54	Bright	35.500	92	53Eps Cyg	2.5000	4500.0	71	37203	No
22	GOM_NL__2PRFIN20090412_034535_000000552078_00076_37204_6674.N1	12-APR-2009 03:45:35	Dark	54.500	103	38Zet Sgr	2.6000	9700.0	109	37204	No
23	GOM_NL__2PRFIN20090412_034913_000000562078_00076_37204_6675.N1	12-APR-2009 03:49:13	Dark	55.500	38	20Eps Sgr	1.8360	11000.	111	37204	No
24	GOM_NL__2PRFIN20090412_035318_000000542078_00076_37204_6676.N1	12-APR-2009 03:53:18	Dark	54.000	25	35Lam Sco	1.6200	28000.	108	37204	No
25	GOM_NL__2PRFIN20090412_035935_000000422078_00076_37204_6677.N1	12-APR-2009 03:59:35	Straylight	42.000	131	Gam Lup	2.8000	26000.	84	37204	No
26	GOM_NL__2PRFIN20090412_041230_000000362078_00076_37204_6678.N1	12-APR-2009 04:12:30	Bright	36.000	15	67Alp Vir	0.97600	28000.	72	37204	No
27	GOM_NL__2PRFIN20090412_041930_000000372078_00076_37204_6679.N1	12-APR-2009 04:19:30	Bright	36.500	138	47Eps Vir	2.8280	4700.0	73	37204	No
28	GOM_NL__2PRFIN20090412_042315_000000462078_00076_37204_6680.N1	12-APR-2009 04:23:15	Bright	45.500	111	8Eta Boo	2.6800	6000.0	91	37204	No
29	GOM_NL__2PRFIN20090412_043214_000000412078_00076_37204_6681.N1	12-APR-2009 04:32:14	Bright	40.500	39	85Eta UMa	1.8540	24000.	81	37204	No
30	GOM_NL__2PRFIN20090412_044054_000000402078_00076_37204_6682.N1	12-APR-2009 04:40:54	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	37204	No
31	GOM_NL__2PRFIN20090412_045422_000000332078_00076_37204_6683.N1	12-APR-2009 04:54:22	Bright	33.000	19	50Alp Cyg	1.2460	10500.	66	37204	No
32	GOM_NL__2PRFIN20090412_045830_000000352078_00076_37204_6684.N1	12-APR-2009 04:58:30	Bright	34.500	92	53Eps Cyg	2.5000	4500.0	69	37204	No
33	GOM_NL__2PRFIN20090412_052612_000000542078_00077_37205_6688.N1	12-APR-2009 05:26:12	Dark	54.000	103	38Zet Sgr	2.6000	9700.0	108	37205	No
34	GOM_NL__2PRFIN20090412_052951_000000552078_00077_37205_6689.N1	12-APR-2009 05:29:51	Dark	54.500	38	20Eps Sgr	1.8360	11000.	109	37205	No
35	GOM_NL__2PRFIN20090412_053356_000000532078_00077_37205_6690.N1	12-APR-2009 05:33:56	Dark	53.000	25	35Lam Sco	1.6200	28000.	106	37205	No
36	GOM_NL__2PRFIN20090412_054011_000000412078_00077_37205_6691.N1	12-APR-2009 05:40:11	Straylight	41.000	131	Gam Lup	2.8000	26000.	82	37205	No
37	GOM_NL__2PRFIN20090412_055305_000000372078_00077_37205_6692.N1	12-APR-2009 05:53:05	Bright	36.500	15	67Alp Vir	0.97600	28000.	73	37205	No
38	GOM_NL__2PRFIN20090412_060006_000000372078_00077_37205_6693.N1	12-APR-2009 06:00:06	Bright	36.500	138	47Eps Vir	2.8280	4700.0	73	37205	No
39	GOM_NL__2PRFIN20090412_060350_000000462078_00077_37205_6694.N1	12-APR-2009 06:03:50	Bright	45.500	111	8Eta Boo	2.6800	6000.0	91	37205	No
40	GOM_NL__2PRFIN20090412_061250_000000392078_00077_37205_6695.N1	12-APR-2009 06:12:50	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	37205	No
41	GOM_NL__2PRFIN20090412_062129_000000402078_00077_37205_6696.N1	12-APR-2009 06:21:29	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	37205	No
42	GOM_NL__2PRFIN20090412_063457_000000332078_00077_37205_6697.N1	12-APR-2009 06:34:57	Bright	33.000	19	50Alp Cyg	1.2460	10500.	66	37205	No

43	GOM_NL__2PRFIN20090412_063906_000000352078_00077_37205_6698.N1	12-APR-2009 06:39:06	Bright	34.500	92	53Eps Cyg	2.5000	4500.0	69	37205	No
44	GOM_NL__2PRFIN20090412_070650_000000542078_00078_37206_6696.N1	12-APR-2009 07:06:50	Dark	53.500	103	38Zet Sgr	2.6000	9700.0	107	37206	No
45	GOM_NL__2PRFIN20090412_071028_000000542078_00078_37206_6697.N1	12-APR-2009 07:10:28	Dark	54.000	38	20Eps Sgr	1.8360	11000.	108	37206	No
46	GOM_NL__2PRFIN20090412_071433_000000532078_00078_37206_6698.N1	12-APR-2009 07:14:33	Dark	52.500	25	35Lam Sco	1.6200	28000.	105	37206	No
47	GOM_NL__2PRFIN20090412_072048_000000412078_00078_37206_6699.N1	12-APR-2009 07:20:48	Straylight	40.500	131	Gam Lup	2.8000	26000.	81	37206	No
48	GOM_NL__2PRFIN20090412_073341_000000362078_00078_37206_6700.N1	12-APR-2009 07:33:41	Bright	36.000	15	67Alp Vir	0.97600	28000.	72	37206	No
49	GOM_NL__2PRFIN20090412_074042_000000362078_00078_37206_6701.N1	12-APR-2009 07:40:42	Bright	36.000	138	47Eps Vir	2.8280	4700.0	72	37206	No
50	GOM_NL__2PRFIN20090412_074425_000000452078_00078_37206_6702.N1	12-APR-2009 07:44:25	Bright	45.000	111	8Eta Boo	2.6800	6000.0	90	37206	No
51	GOM_NL__2PRFIN20090412_075325_000000392078_00078_37206_6703.N1	12-APR-2009 07:53:25	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	37206	No
52	GOM_NL__2PRFIN20090412_080204_000000402078_00078_37206_6704.N1	12-APR-2009 08:02:04	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	37206	No
53	GOM_NL__2PRFIN20090412_081533_000000332078_00078_37206_6705.N1	12-APR-2009 08:15:33	Bright	32.500	19	50Alp Cyg	1.2460	10500.	65	37206	No
54	GOM_NL__2PRFIN20090412_081718_000000362078_00078_37206_6706.N1	12-APR-2009 08:17:18	Bright	35.500	66	37Gam Cyg	2.2080	5900.0	71	37206	No
55	GOM_NL__2PRFIN20090412_081942_000000342078_00078_37206_6707.N1	12-APR-2009 08:19:42	Bright	34.000	92	53Eps Cyg	2.5000	4500.0	68	37206	No
56	GOM_NL__2PRFIN20090412_084728_000000542078_00079_37207_6704.N1	12-APR-2009 08:47:28	Dark	54.000	103	38Zet Sgr	2.6000	9700.0	108	37207	No
57	GOM_NL__2PRFIN20090412_085106_000000542078_00079_37207_6705.N1	12-APR-2009 08:51:06	Dark	53.500	38	20Eps Sgr	1.8360	11000.	107	37207	No
58	GOM_NL__2PRFIN20090412_085510_000000522078_00079_37207_6706.N1	12-APR-2009 08:55:10	Dark	52.000	25	35Lam Sco	1.6200	28000.	104	37207	No
59	GOM_NL__2PRFIN20090412_090125_000000412078_00079_37207_6707.N1	12-APR-2009 09:01:25	Straylight	40.500	131	Gam Lup	2.8000	26000.	81	37207	No
60	GOM_NL__2PRFIN20090412_091417_000000362078_00079_37207_6708.N1	12-APR-2009 09:14:17	Bright	35.500	15	67Alp Vir	0.97600	28000.	71	37207	No
61	GOM_NL__2PRFIN20090412_092118_000000362078_00079_37207_6709.N1	12-APR-2009 09:21:18	Bright	36.000	138	47Eps Vir	2.8280	4700.0	72	37207	No
62	GOM_NL__2PRFIN20090412_092501_000000452078_00079_37207_6710.N1	12-APR-2009 09:25:01	Bright	45.000	111	8Eta Boo	2.6800	6000.0	90	37207	No
63	GOM_NL__2PRFIN20090412_093400_000000402078_00079_37207_6711.N1	12-APR-2009 09:34:00	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	37207	No
64	GOM_NL__2PRFIN20090412_094240_000000402078_00079_37207_6712.N1	12-APR-2009 09:42:40	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	37207	No
65	GOM_NL__2PRFIN20090412_095609_000000332078_00079_37207_6713.N1	12-APR-2009 09:56:09	Bright	33.000	19	50Alp Cyg	1.2460	10500.	66	37207	No
66	GOM_NL__2PRFIN20090412_095754_000000362078_00079_37207_6714.N1	12-APR-2009 09:57:54	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	37207	No
67	GOM_NL__2PRFIN20090412_100018_000000352078_00079_37207_6715.N1	12-APR-2009 10:00:18	Bright	34.500	92	53Eps Cyg	2.5000	4500.0	69	37207	No
68	GOM_NL__2PRFIN20090412_102805_000000552078_00080_37208_6724.N1	12-APR-2009 10:28:05	Dark	54.500	103	38Zet Sgr	2.6000	9700.0	109	37208	No
69	GOM_NL__2PRFIN20090412_103143_000000542078_00080_37208_6725.N1	12-APR-2009 10:31:43	Dark	54.000	38	20Eps Sgr	1.8360	11000.	108	37208	No
70	GOM_NL__2PRFIN20090412_103548_000000532078_00080_37208_6726.N1	12-APR-2009 10:35:48	Dark	53.000	25	35Lam Sco	1.6200	28000.	106	37208	No
71	GOM_NL__2PRFIN20090412_104201_000000412078_00080_37208_6727.N1	12-APR-2009 10:42:01	Straylight	41.000	131	Gam Lup	2.8000	26000.	82	37208	No
72	GOM_NL__2PRFIN20090412_105453_000000372078_00080_37208_6728.N1	12-APR-2009 10:54:53	Bright	36.500	15	67Alp Vir	0.97600	28000.	73	37208	No
73	GOM_NL__2PRFIN20090412_110153_000000372078_00080_37208_6729.N1	12-APR-2009 11:01:53	Bright	36.500	138	47Eps Vir	2.8280	4700.0	73	37208	No
74	GOM_NL__2PRFIN20090412_110536_000000462078_00080_37208_6730.N1	12-APR-2009 11:05:36	Bright	45.500	111	8Eta Boo	2.6800	6000.0	91	37208	No
75	GOM_NL__2PRFIN20090412_111436_000000382078_00080_37208_6731.N1	12-APR-2009 11:14:36	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	37208	No
76	GOM_NL__2PRFIN20090412_112315_000000412078_00080_37208_6732.N1	12-APR-2009 11:23:15	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	37208	No
77	GOM_NL__2PRFIN20090412_113645_000000342078_00080_37208_6733.N1	12-APR-2009 11:36:45	Bright	33.500	19	50Alp Cyg	1.2460	10500.	67	37208	No
78	GOM_NL__2PRFIN20090412_113830_000000362078_00080_37208_6734.N1	12-APR-2009 11:38:30	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	37208	No
79	GOM_NL__2PRFIN20090412_114054_000000342078_00080_37208_6735.N1	12-APR-2009 11:40:54	Bright	34.000	92	53Eps Cyg	2.5000	4500.0	68	37208	No
80	GOM_NL__2PRFIN20090412_121221_000000542078_00081_37209_6738.N1	12-APR-2009 12:12:21	Dark	54.000	38	20Eps Sgr	1.8360	11000.	108	37209	No
81	GOM_NL__2PRFIN20090412_121625_000000532078_00081_37209_6739.N1	12-APR-2009 12:16:25	Dark	53.000	25	35Lam Sco	1.6200	28000.	106	37209	No
82	GOM_NL__2PRFIN20090412_122238_000000402078_00081_37209_6740.N1	12-APR-2009 12:22:38	Straylight	39.500	131	Gam Lup	2.8000	26000.	79	37209	No
83	GOM_NL__2PRFIN20090412_123529_000000352078_00081_37209_6741.N1	12-APR-2009 12:35:29	Bright	35.000	15	67Alp Vir	0.97600	28000.	70	37209	No
84	GOM_NL__2PRFIN20090412_124229_000000372078_00081_37209_6742.N1	12-APR-2009 12:42:29	Bright	36.500	138	47Eps Vir	2.8280	4700.0	73	37209	No
85	GOM_NL__2PRFIN20090412_124611_000000452078_00081_37209_6743.N1	12-APR-2009 12:46:11	Bright	45.000	111	8Eta Boo	2.6800	6000.0	90	37209	No
86	GOM_NL__2PRFIN20090412_125511_000000392078_00081_37209_6744.N1	12-APR-2009 12:55:11	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	37209	No
87	GOM_NL__2PRFIN20090412_130350_000000402078_00081_37209_6745.N1	12-APR-2009 13:03:50	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	37209	No
88	GOM_NL__2PRFIN20090412_131720_000000332078_00081_37209_6746.N1	12-APR-2009 13:17:20	Bright	33.000	19	50Alp Cyg	1.2460	10500.	66	37209	No
89	GOM_NL__2PRFIN20090412_131906_000000372078_00081_37209_6747.N1	12-APR-2009 13:19:06	Bright	36.500	66	37Gam Cyg	2.2080	5900.0	73	37209	No
90	GOM_NL__2PRFIN20090412_132130_000000352078_00081_37209_6748.N1	12-APR-2009 13:21:30	Bright	34.500	92	53Eps Cyg	2.5000	4500.0	69	37209	No
91	GOM_NL__2PRFIN20090412_134920_000000542078_00082_37210_6752.N1	12-APR-2009 13:49:20	Dark	54.000	103	38Zet Sgr	2.6000	9700.0	108	37210	No
92	GOM_NL__2PRFIN20090412_135258_000000542078_00082_37210_6753.N1	12-APR-2009 13:52:58	Dark	54.000	38	20Eps Sgr	1.8360	11000.	108	37210	No
93	GOM_NL__2PRFIN20090412_135702_000000532078_00082_37210_6754.N1	12-APR-2009 13:57:02	Dark	52.500	25	35Lam Sco	1.6200	28000.	105	37210	No
94	GOM_NL__2PRFIN20090412_140314_000000402078_00082_37210_6755.N1	12-APR-2009 14:03:14	Straylight	40.000	131	Gam Lup	2.8000	26000.	80	37210	No
95	GOM_NL__2PRFIN20090412_141605_000000362078_00082_37210_6756.N1	12-APR-2009 14:16:05	Bright	36.000	15	67Alp Vir	0.97600	28000.	72	37210	No
96	GOM_NL__2PRFIN20090412_142305_000000362078_00082_37210_6757.N1	12-APR-2009 14:23:05	Bright	36.000	138	47Eps Vir	2.8280	4700.0	72	37210	No
97	GOM_NL__2PRFIN20090412_142646_000000452078_00082_37210_6758.N1	12-APR-2009 14:26:46	Bright	45.000	111	8Eta Boo	2.6800	6000.0	90	37210	No
98	GOM_NL__2PRFIN20090412_143546_000000392078_00082_37210_6759.N1	12-APR-2009 14:35:46	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	37210	No
99	GOM_NL__2PRFIN20090412_144425_000000402078_00082_37210_6760.N1	12-APR-2009 14:44:25	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	37210	No
100	GOM_NL__2PRFIN20090412_145756_000000332078_00082_37210_6761.N1	12-APR-2009 14:57:56	Bright	33.000	19	50Alp Cyg	1.2460	10500.	66	37210	No
101	GOM_NL__2PRFIN20090412_145942_000000362078_00082_37210_6762.N1	12-APR-2009 14:59:42	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	37210	No

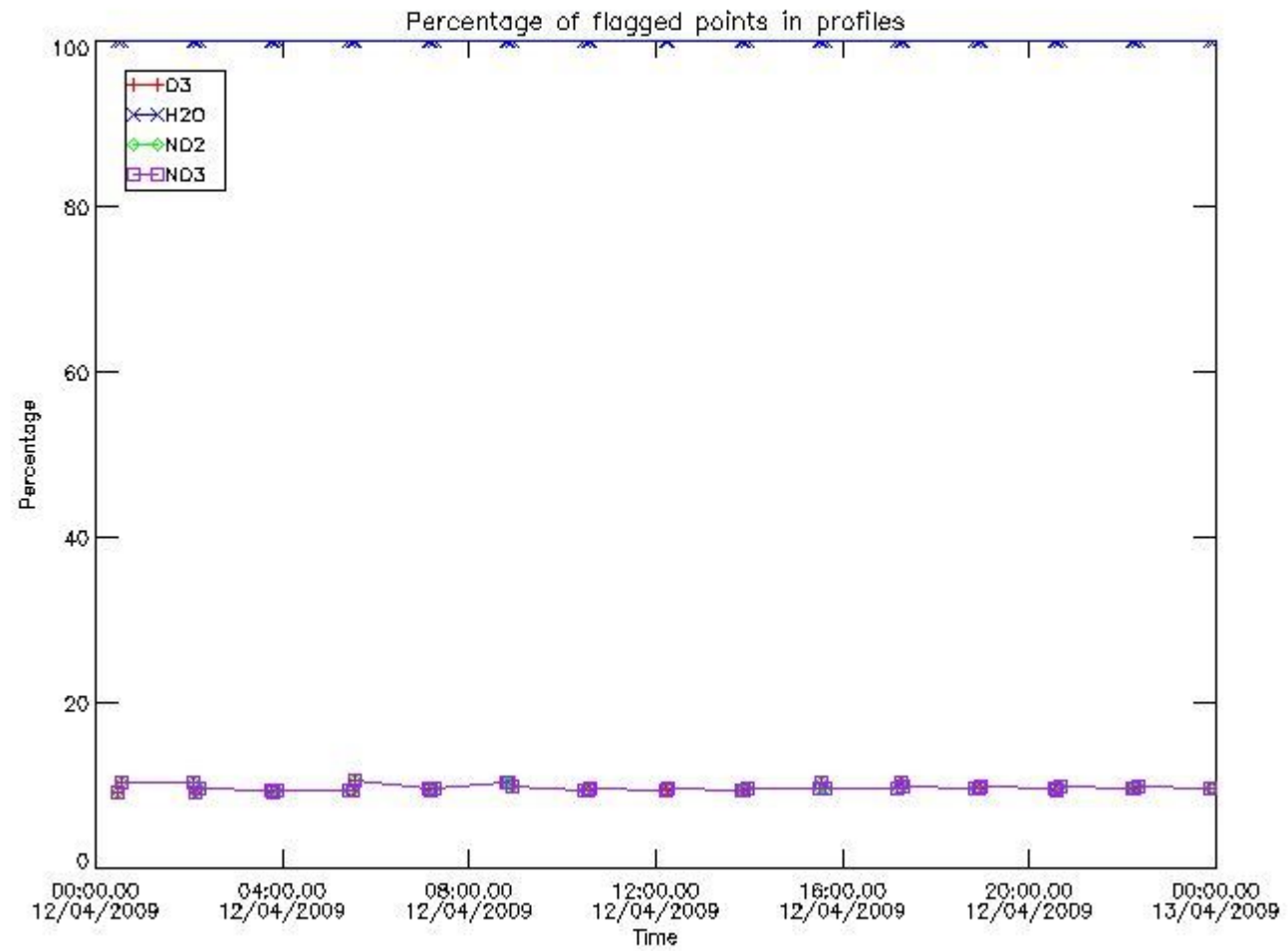
102	GOM_NL__2PRFIN20090412_150206_000000352078_00082_37210_6763.N1	12-APR-2009 15:02:06	Bright	34.500	92	53Eps Cyg	2.5000	4500.0	69	37210	No
103	GOM_NL__2PRFIN20090412_152958_000000542078_00083_37211_6766.N1	12-APR-2009 15:29:58	Dark	53.500	103	38Zet Sgr	2.6000	9700.0	107	37211	No
104	GOM_NL__2PRFIN20090412_153335_000000542078_00083_37211_6767.N1	12-APR-2009 15:33:35	Dark	54.000	38	20Eps Sgr	1.8360	11000.	108	37211	No
105	GOM_NL__2PRFIN20090412_153739_000000532078_00083_37211_6768.N1	12-APR-2009 15:37:39	Dark	52.500	25	35Lam Sco	1.6200	28000.	105	37211	No
106	GOM_NL__2PRFIN20090412_154351_000000412078_00083_37211_6769.N1	12-APR-2009 15:43:51	Straylight	40.500	131	Gam Lup	2.8000	26000.	81	37211	No
107	GOM_NL__2PRFIN20090412_155641_000000362078_00083_37211_6770.N1	12-APR-2009 15:56:41	Bright	35.500	15	67Alp Vir	0.97600	28000.	71	37211	No
108	GOM_NL__2PRFIN20090412_160340_000000362078_00083_37211_6771.N1	12-APR-2009 16:03:40	Bright	36.000	138	47Eps Vir	2.8280	4700.0	72	37211	No
109	GOM_NL__2PRFIN20090412_160722_000000452078_00083_37211_6772.N1	12-APR-2009 16:07:22	Bright	45.000	111	8Eta Boo	2.6800	6000.0	90	37211	No
110	GOM_NL__2PRFIN20090412_161622_000000402078_00083_37211_6773.N1	12-APR-2009 16:16:22	Bright	40.000	39	85Eta UMa	1.8540	24000.	80	37211	No
111	GOM_NL__2PRFIN20090412_162500_000000402078_00083_37211_6774.N1	12-APR-2009 16:25:00	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	37211	No
112	GOM_NL__2PRFIN20090412_163832_000000332078_00083_37211_6775.N1	12-APR-2009 16:38:32	Bright	33.000	19	50Alp Cyg	1.2460	10500.	66	37211	No
113	GOM_NL__2PRFIN20090412_164017_000000362078_00083_37211_6776.N1	12-APR-2009 16:40:17	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	37211	No
114	GOM_NL__2PRFIN20090412_164243_000000342078_00083_37211_6777.N1	12-APR-2009 16:42:43	Bright	34.000	92	53Eps Cyg	2.5000	4500.0	68	37211	No
115	GOM_NL__2PRFIN20090412_171035_000000542078_00084_37212_6782.N1	12-APR-2009 17:10:35	Dark	53.500	103	38Zet Sgr	2.6000	9700.0	107	37212	No
116	GOM_NL__2PRFIN20090412_171413_000000542078_00084_37212_6783.N1	12-APR-2009 17:14:13	Dark	53.500	38	20Eps Sgr	1.8360	11000.	107	37212	No
117	GOM_NL__2PRFIN20090412_171817_000000522078_00084_37212_6784.N1	12-APR-2009 17:18:17	Dark	51.500	25	35Lam Sco	1.6200	28000.	103	37212	No
118	GOM_NL__2PRFIN20090412_172428_000000402078_00084_37212_6785.N1	12-APR-2009 17:24:28	Straylight	40.000	131	Gam Lup	2.8000	26000.	80	37212	No
119	GOM_NL__2PRFIN20090412_173717_000000362078_00084_37212_6786.N1	12-APR-2009 17:37:17	Bright	35.500	15	67Alp Vir	0.97600	28000.	71	37212	No
120	GOM_NL__2PRFIN20090412_174416_000000362078_00084_37212_6787.N1	12-APR-2009 17:44:16	Bright	36.000	138	47Eps Vir	2.8280	4700.0	72	37212	No
121	GOM_NL__2PRFIN20090412_174757_000000452078_00084_37212_6788.N1	12-APR-2009 17:47:57	Bright	44.500	111	8Eta Boo	2.6800	6000.0	89	37212	No
122	GOM_NL__2PRFIN20090412_175657_000000392078_00084_37212_6789.N1	12-APR-2009 17:56:57	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	37212	No
123	GOM_NL__2PRFIN20090412_180536_000000402078_00084_37212_6790.N1	12-APR-2009 18:05:36	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	37212	No
124	GOM_NL__2PRFIN20090412_181908_000000332078_00084_37212_6791.N1	12-APR-2009 18:19:08	Bright	32.500	19	50Alp Cyg	1.2460	10500.	65	37212	No
125	GOM_NL__2PRFIN20090412_182053_000000362078_00084_37212_6792.N1	12-APR-2009 18:20:53	Bright	35.500	66	37Gam Cyg	2.2080	5900.0	71	37212	No
126	GOM_NL__2PRFIN20090412_182319_000000342078_00084_37212_6793.N1	12-APR-2009 18:23:19	Bright	34.000	92	53Eps Cyg	2.5000	4500.0	68	37212	No
127	GOM_NL__2PRFIN20090412_185113_000000542078_00085_37213_6799.N1	12-APR-2009 18:51:13	Dark	53.500	103	38Zet Sgr	2.6000	9700.0	107	37213	No
128	GOM_NL__2PRFIN20090412_185450_000000542078_00085_37213_6800.N1	12-APR-2009 18:54:50	Dark	53.500	38	20Eps Sgr	1.8360	11000.	107	37213	No
129	GOM_NL__2PRFIN20090412_185854_000000522078_00085_37213_6801.N1	12-APR-2009 18:58:54	Dark	52.000	25	35Lam Sco	1.6200	28000.	104	37213	No
130	GOM_NL__2PRFIN20090412_190504_000000412078_00085_37213_6802.N1	12-APR-2009 19:05:04	Straylight	40.500	131	Gam Lup	2.8000	26000.	81	37213	No
131	GOM_NL__2PRFIN20090412_191753_000000362078_00085_37213_6803.N1	12-APR-2009 19:17:53	Bright	36.000	15	67Alp Vir	0.97600	28000.	72	37213	No
132	GOM_NL__2PRFIN20090412_192452_000000372078_00085_37213_6804.N1	12-APR-2009 19:24:52	Bright	36.500	138	47Eps Vir	2.8280	4700.0	73	37213	No
133	GOM_NL__2PRFIN20090412_192832_000000452078_00085_37213_6805.N1	12-APR-2009 19:28:32	Bright	45.000	111	8Eta Boo	2.6800	6000.0	90	37213	No
134	GOM_NL__2PRFIN20090412_193733_000000392078_00085_37213_6806.N1	12-APR-2009 19:37:33	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	37213	No
135	GOM_NL__2PRFIN20090412_194611_000000402078_00085_37213_6807.N1	12-APR-2009 19:46:11	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	37213	No
136	GOM_NL__2PRFIN20090412_195944_000000332078_00085_37213_6808.N1	12-APR-2009 19:59:44	Bright	33.000	19	50Alp Cyg	1.2460	10500.	66	37213	No
137	GOM_NL__2PRFIN20090412_200129_000000362078_00085_37213_6809.N1	12-APR-2009 20:01:29	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	37213	No
138	GOM_NL__2PRFIN20090412_200355_000000352078_00085_37213_6810.N1	12-APR-2009 20:03:55	Bright	34.500	92	53Eps Cyg	2.5000	4500.0	69	37213	No
139	GOM_NL__2PRFIN20090412_203150_000000542078_00086_37214_6830.N1	12-APR-2009 20:31:50	Dark	53.500	103	38Zet Sgr	2.6000	9700.0	107	37214	No
140	GOM_NL__2PRFIN20090412_203528_000000542078_00086_37214_6831.N1	12-APR-2009 20:35:28	Dark	54.000	38	20Eps Sgr	1.8360	11000.	108	37214	No
141	GOM_NL__2PRFIN20090412_203931_000000522078_00086_37214_6832.N1	12-APR-2009 20:39:31	Dark	52.000	25	35Lam Sco	1.6200	28000.	104	37214	No
142	GOM_NL__2PRFIN20090412_204541_000000412078_00086_37214_6833.N1	12-APR-2009 20:45:41	Straylight	40.500	131	Gam Lup	2.8000	26000.	81	37214	No
143	GOM_NL__2PRFIN20090412_205829_000000362078_00086_37214_6834.N1	12-APR-2009 20:58:29	Bright	35.500	15	67Alp Vir	0.97600	28000.	71	37214	No
144	GOM_NL__2PRFIN20090412_210528_000000362078_00086_37214_6835.N1	12-APR-2009 21:05:28	Bright	36.000	138	47Eps Vir	2.8280	4700.0	72	37214	No
145	GOM_NL__2PRFIN20090412_210908_000000452078_00086_37214_6836.N1	12-APR-2009 21:09:08	Bright	44.500	111	8Eta Boo	2.6800	6000.0	89	37214	No
146	GOM_NL__2PRFIN20090412_211808_000000392078_00086_37214_6837.N1	12-APR-2009 21:18:08	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	37214	No
147	GOM_NL__2PRFIN20090412_212646_000000412078_00086_37214_6838.N1	12-APR-2009 21:26:46	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	37214	No
148	GOM_NL__2PRFIN20090412_214020_000000342078_00086_37214_6839.N1	12-APR-2009 21:40:20	Bright	33.500	19	50Alp Cyg	1.2460	10500.	67	37214	No
149	GOM_NL__2PRFIN20090412_214205_000000372078_00086_37214_6840.N1	12-APR-2009 21:42:05	Bright	36.500	66	37Gam Cyg	2.2080	5900.0	73	37214	No
150	GOM_NL__2PRFIN20090412_214431_000000342078_00086_37214_6841.N1	12-APR-2009 21:44:31	Bright	34.000	92	53Eps Cyg	2.5000	4500.0	68	37214	No
151	GOM_NL__2PRFIN20090412_221228_000000542078_00087_37215_6846.N1	12-APR-2009 22:12:28	Dark	53.500	103	38Zet Sgr	2.6000	9700.0	107	37215	No
152	GOM_NL__2PRFIN20090412_221605_000000542078_00087_37215_6847.N1	12-APR-2009 22:16:05	Dark	53.500	38	20Eps Sgr	1.8360	11000.	107	37215	No
153	GOM_NL__2PRFIN20090412_222009_000000522078_00087_37215_6848.N1	12-APR-2009 22:20:09	Dark	52.000	25	35Lam Sco	1.6200	28000.	104	37215	No
154	GOM_NL__2PRFIN20090412_222618_000000402078_00087_37215_6849.N1	12-APR-2009 22:26:18	Straylight	40.000	131	Gam Lup	2.8000	26000.	80	37215	No
155	GOM_NL__2PRFIN20090412_223905_000000352078_00087_37215_6850.N1	12-APR-2009 22:39:05	Bright	35.000	15	67Alp Vir	0.97600	28000.	70	37215	No
156	GOM_NL__2PRFIN20090412_224604_000000362078_00087_37215_6851.N1	12-APR-2009 22:46:04	Bright	36.000	138	47Eps Vir	2.8280	4700.0	72	37215	No
157	GOM_NL__2PRFIN20090412_224943_000000452078_00087_37215_6852.N1	12-APR-2009 22:49:43	Bright	44.500	111	8Eta Boo	2.6800	6000.0	89	37215	No
158	GOM_NL__2PRFIN20090412_225844_000000432078_00087_37215_6853.N1	12-APR-2009 22:58:44	Bright	42.500	39	85Eta UMa	1.8540	24000.	85	37215	No
159	GOM_NL__2PRFIN20090412_230721_000000402078_00087_37215_6854.N1	12-APR-2009 23:07:21	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	37215	No
160	GOM_NL__2PRFIN20090412_232055_000000332078_00087_37215_6855.N1	12-APR-2009 23:20:55	Bright	33.000	19	50Alp Cyg	1.2460	10500.	66	37215	No

161	GOM_NL__2PRFIN20090412_232241_000000362078_00087_37215_6856.N1	12-APR-2009 23:22:41	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	37215	No
162	GOM_NL__2PRFIN20090412_232507_000000342078_00087_37215_6857.N1	12-APR-2009 23:25:07	Bright	34.000	92	53Eps Cyg	2.5000	4500.0	68	37215	No
163	GOM_NL__2PRFIN20090412_235305_000000542078_00088_37216_6862.N1	12-APR-2009 23:53:05	Dark	53.500	103	38Zet Sgr	2.6000	9700.0	107	37216	No
164	GOM_NL__2PRFIN20090412_235642_000000542078_00088_37216_6863.N1	12-APR-2009 23:56:42	Dark	53.500	38	20Eps Sgr	1.8360	11000.	107	37216	No

3. Quality information per product

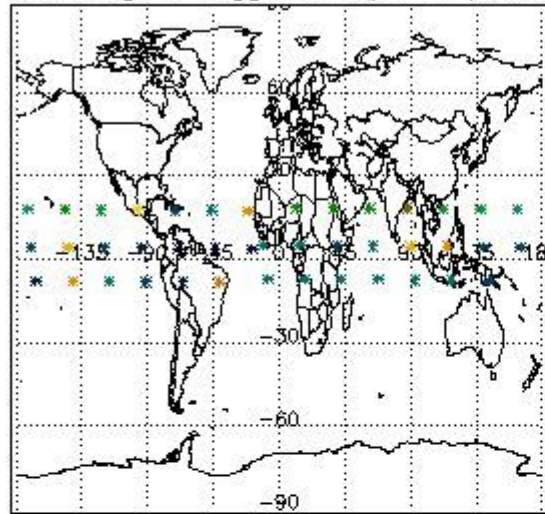
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

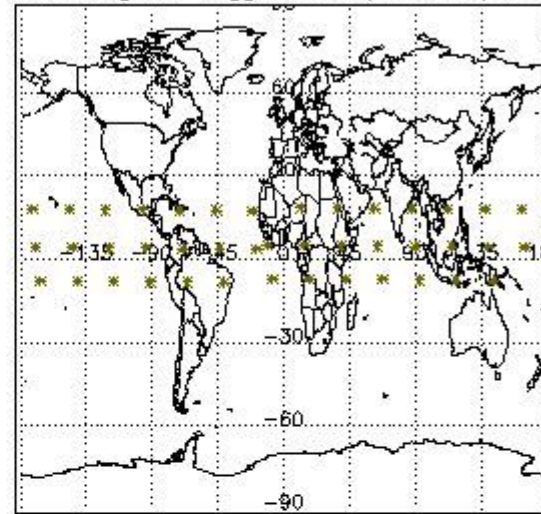


3.2 Plot quality information per product (world map)

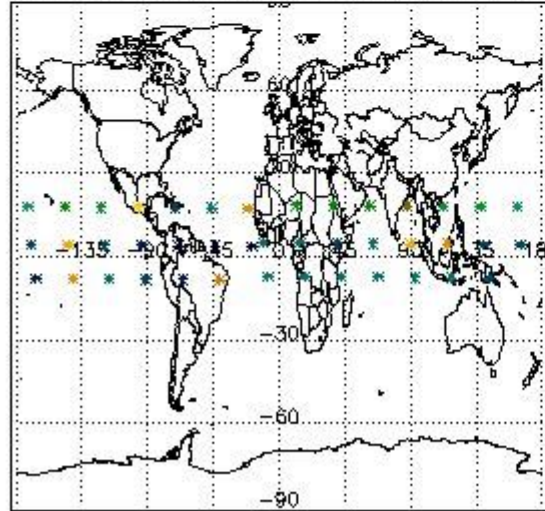
Percentage of flagged data per O3 profile



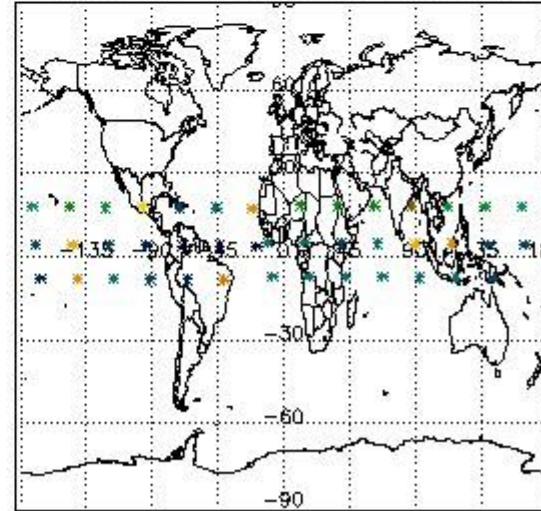
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

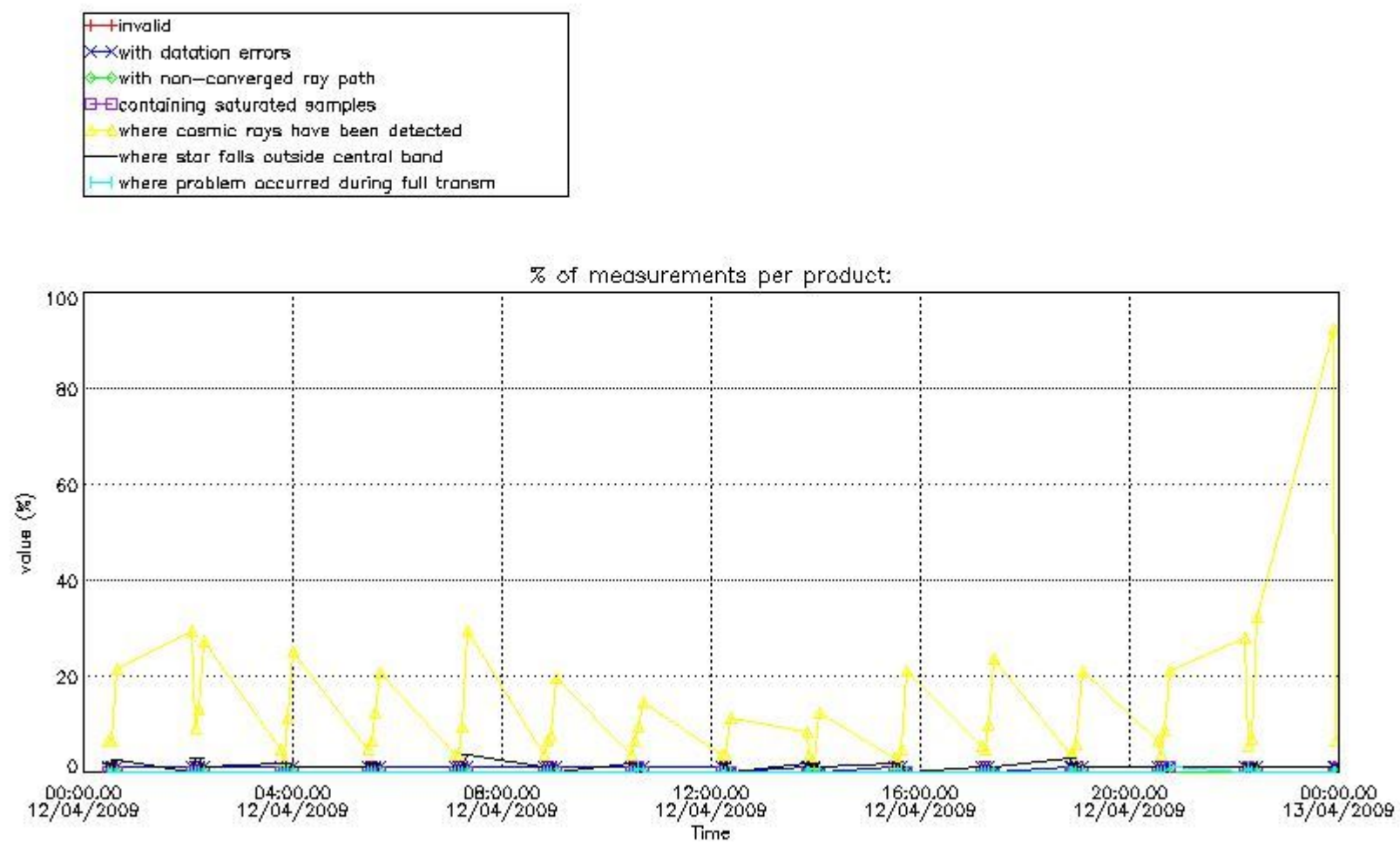


4. Level 1 quality information per product

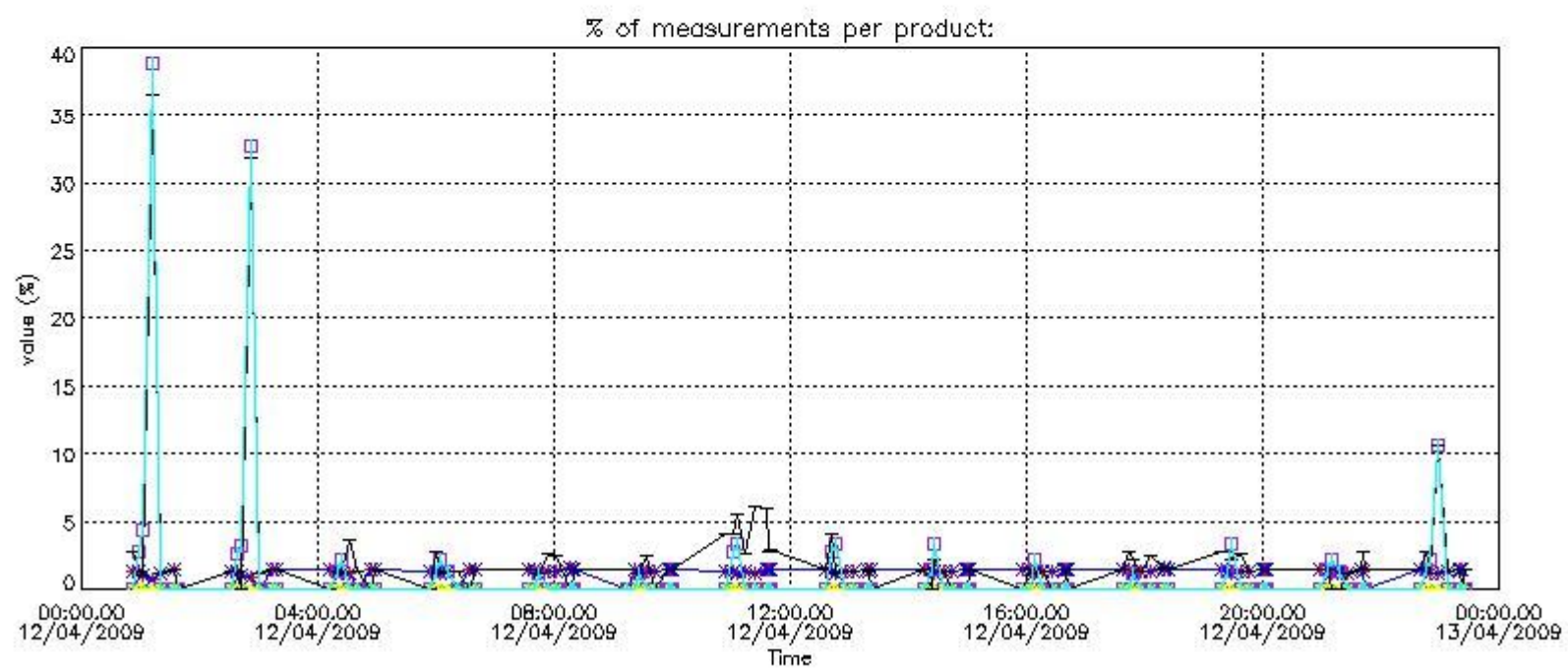
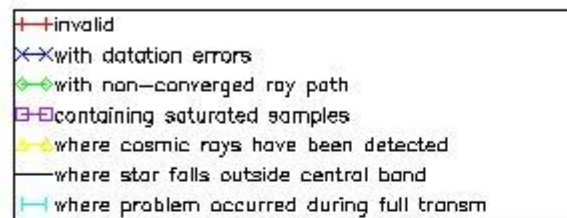
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



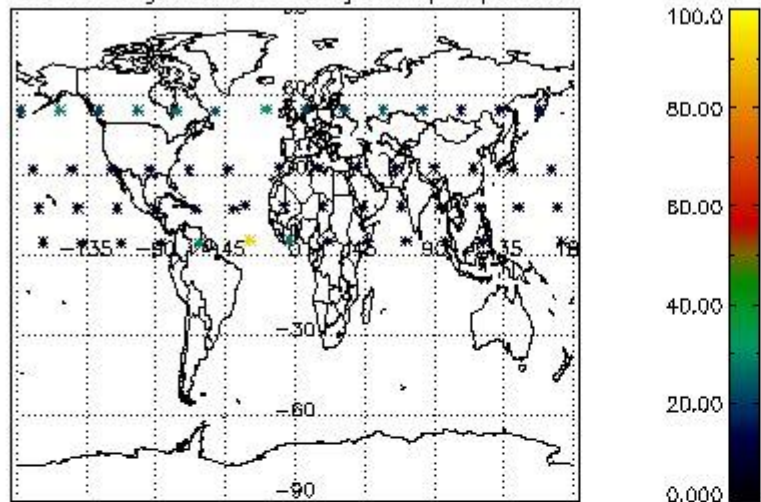
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



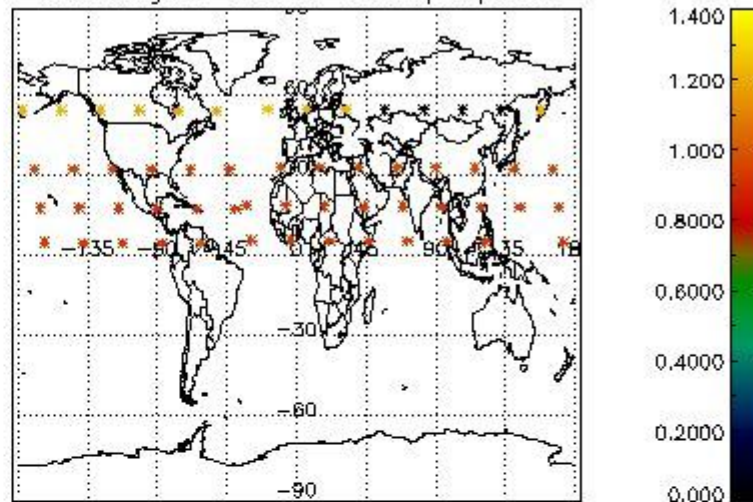
4.2 Plot quality information per product coming from level 1b processing (world map)

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

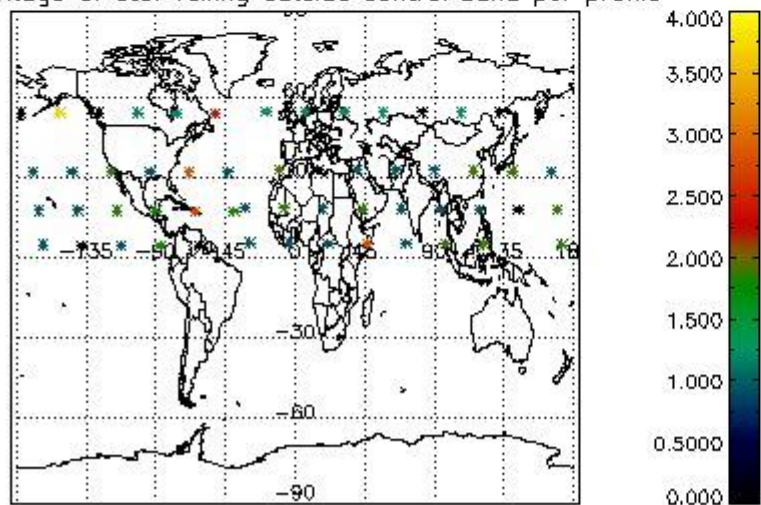
Percentage of cosmic ray hits per profile



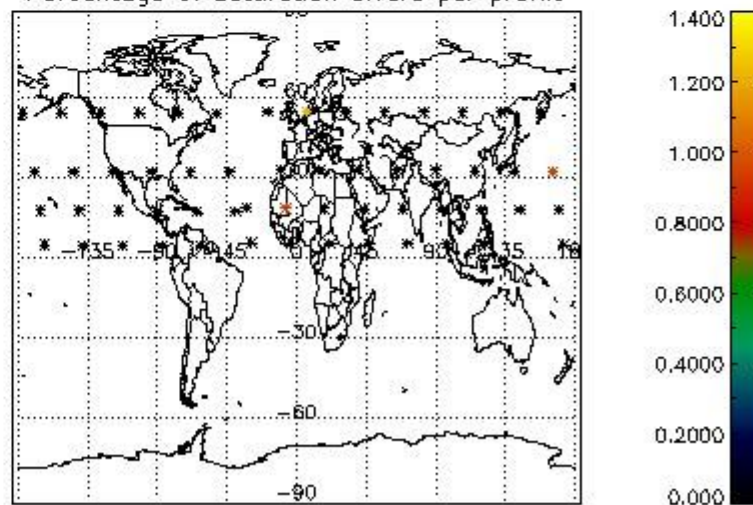
Percentage of datation errors per profile



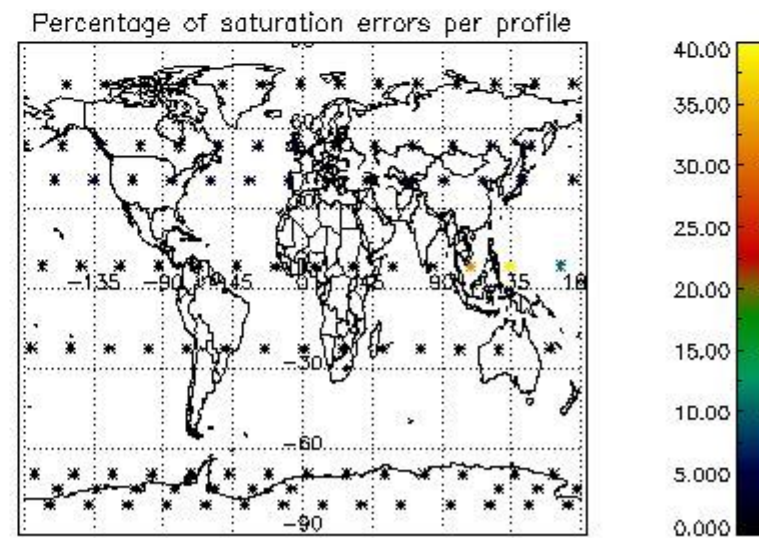
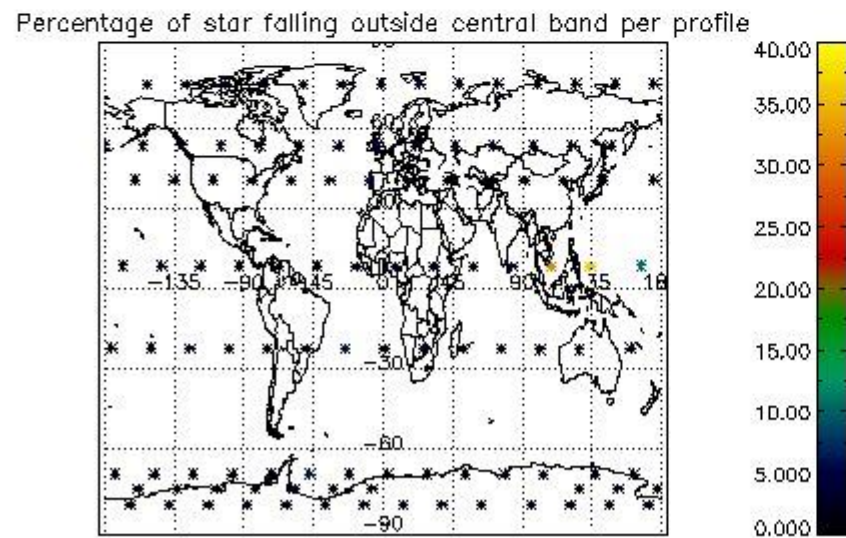
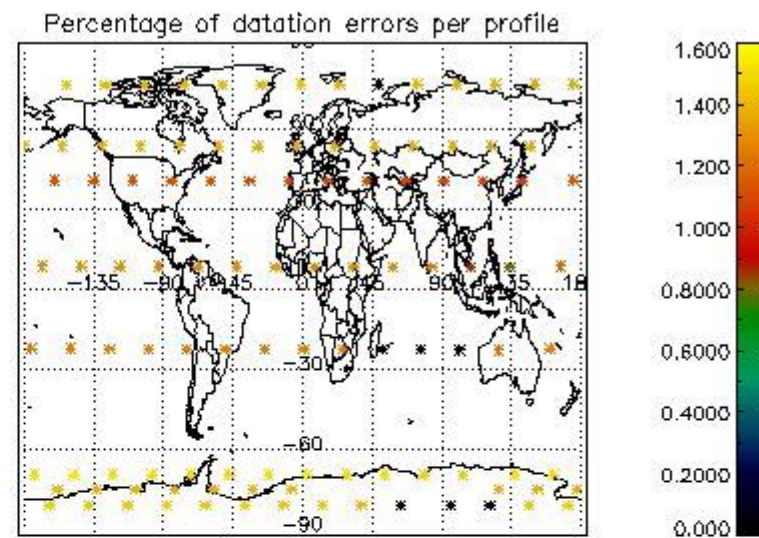
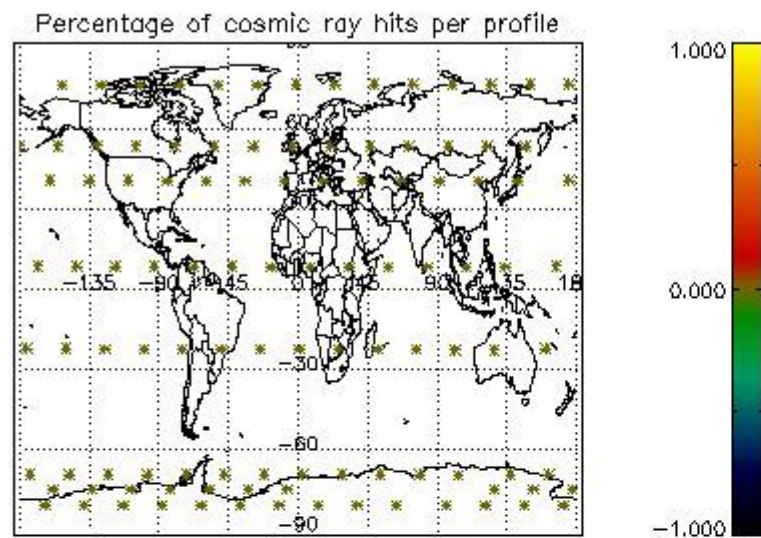
Percentage of star falling outside central band per profile



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

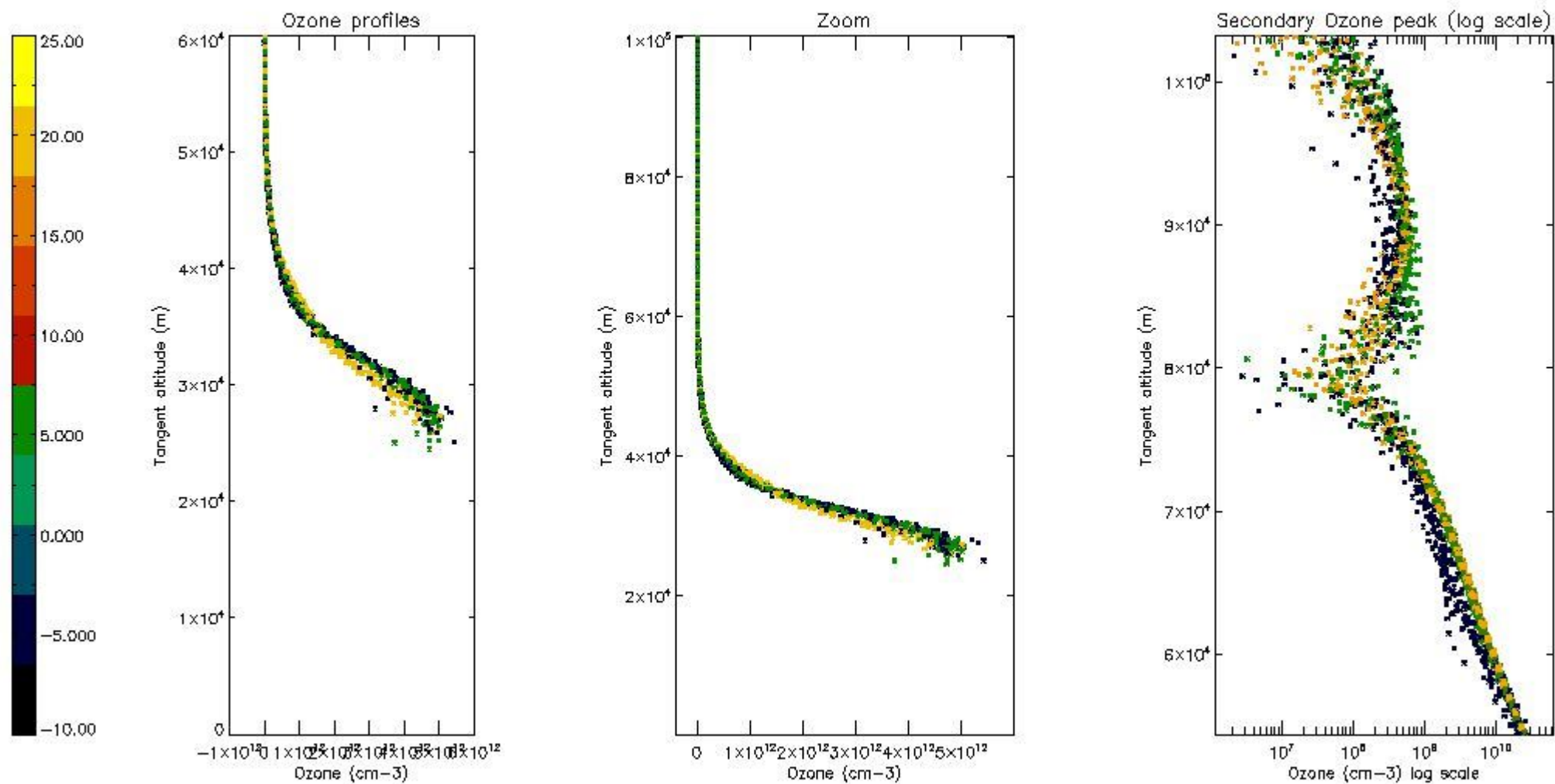
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	33
STD < 20	21

STD < 10	18
STD < 5	13

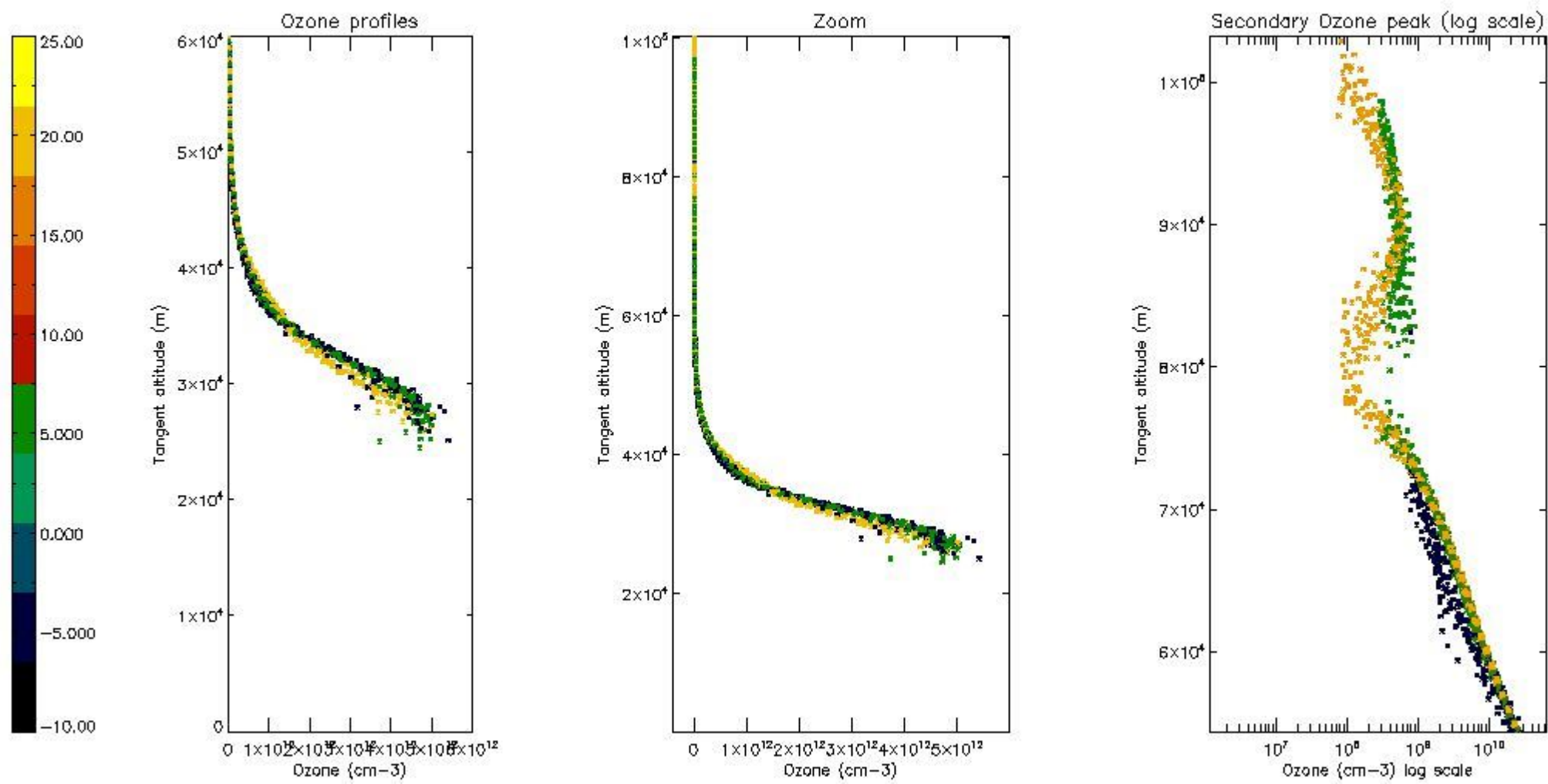
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



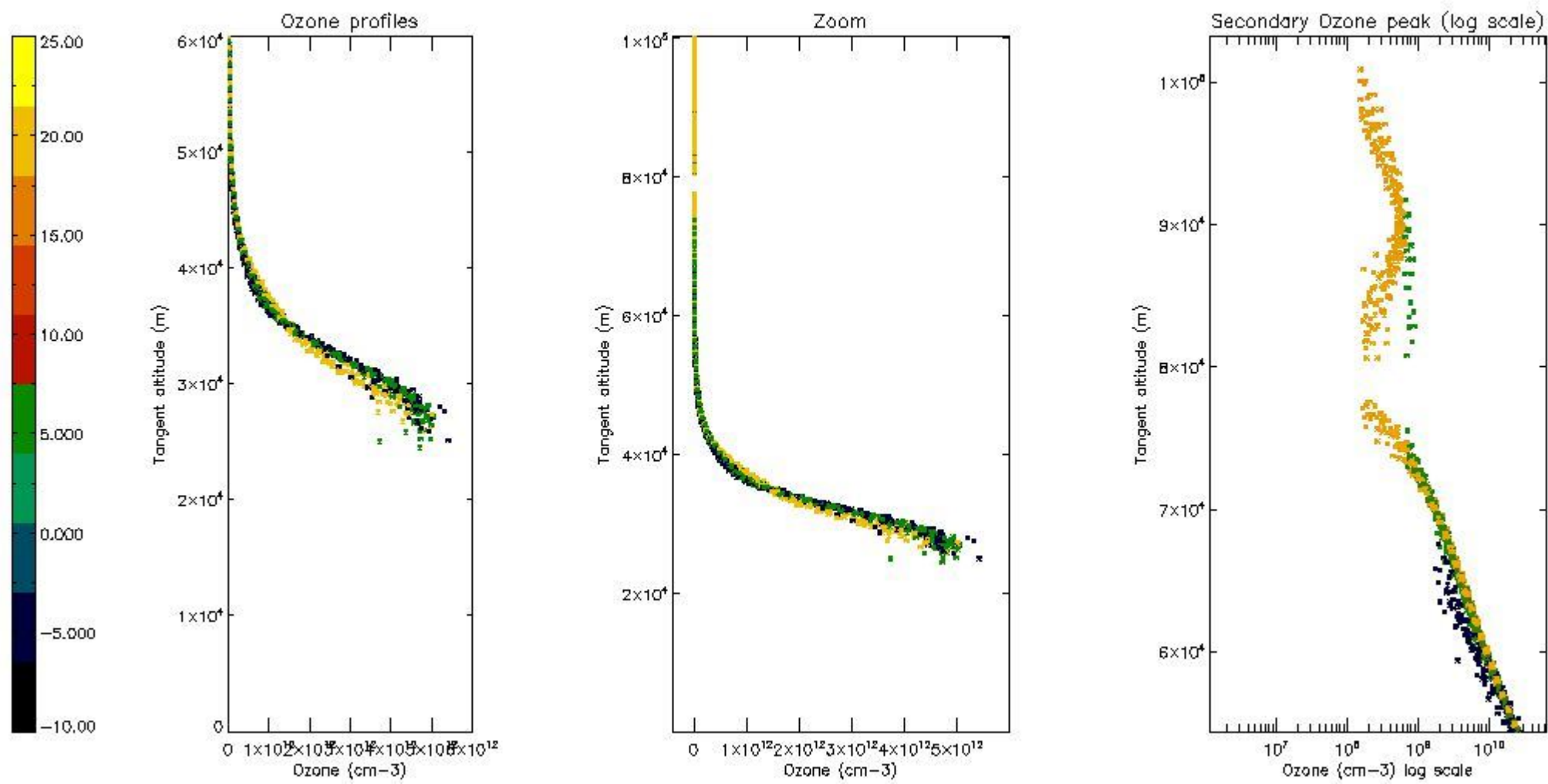
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



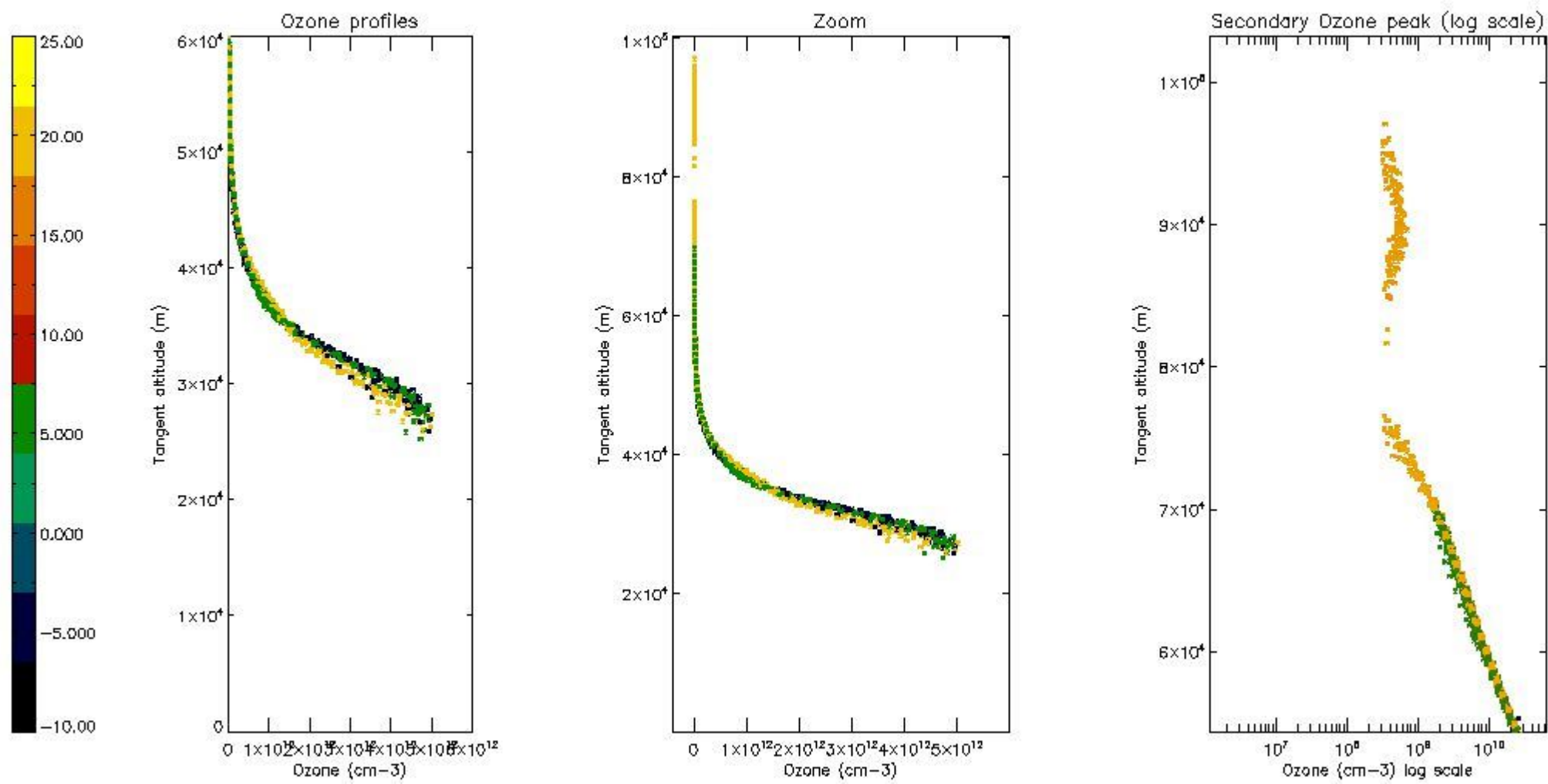
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



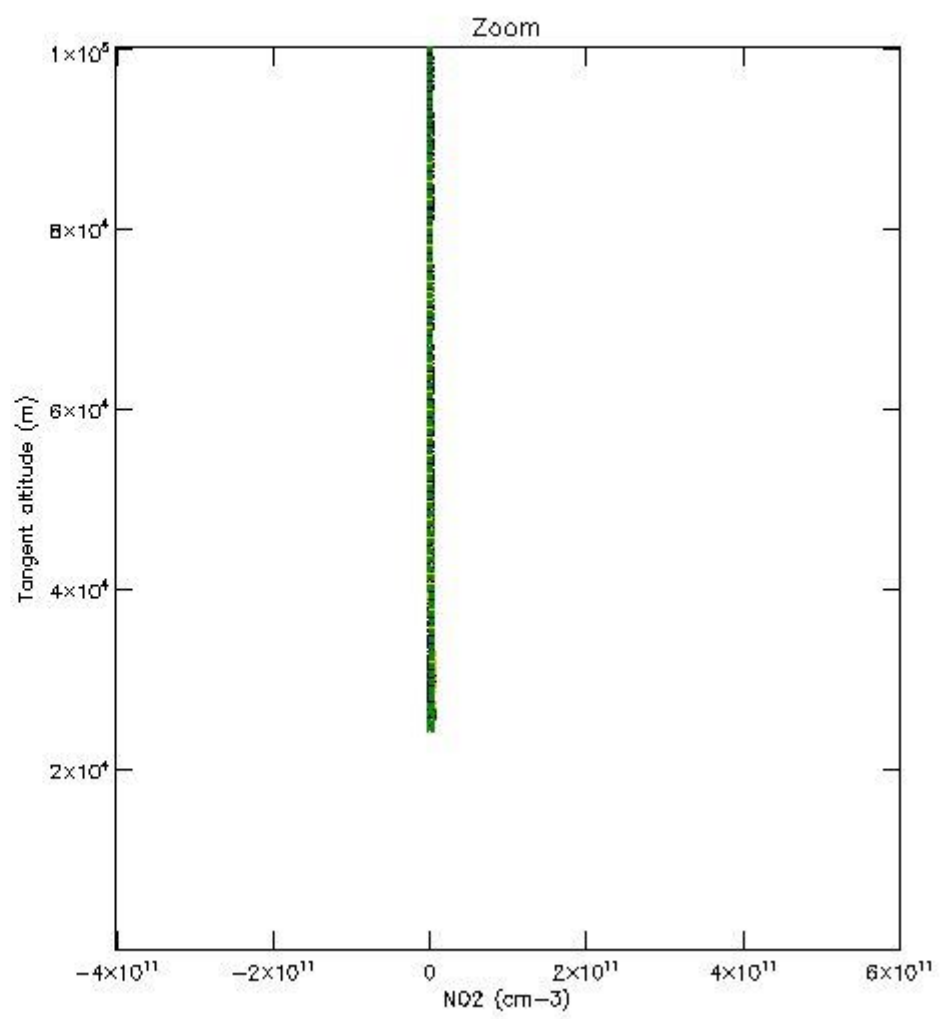
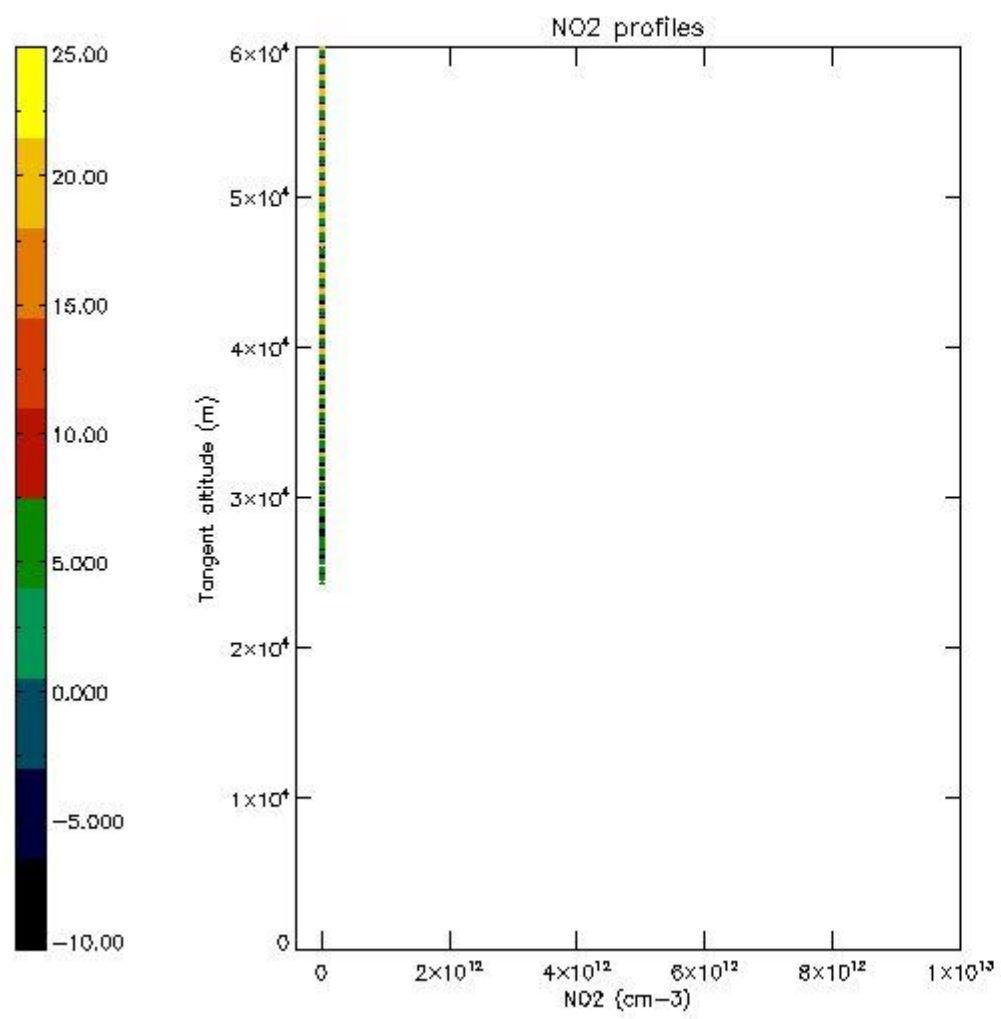
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



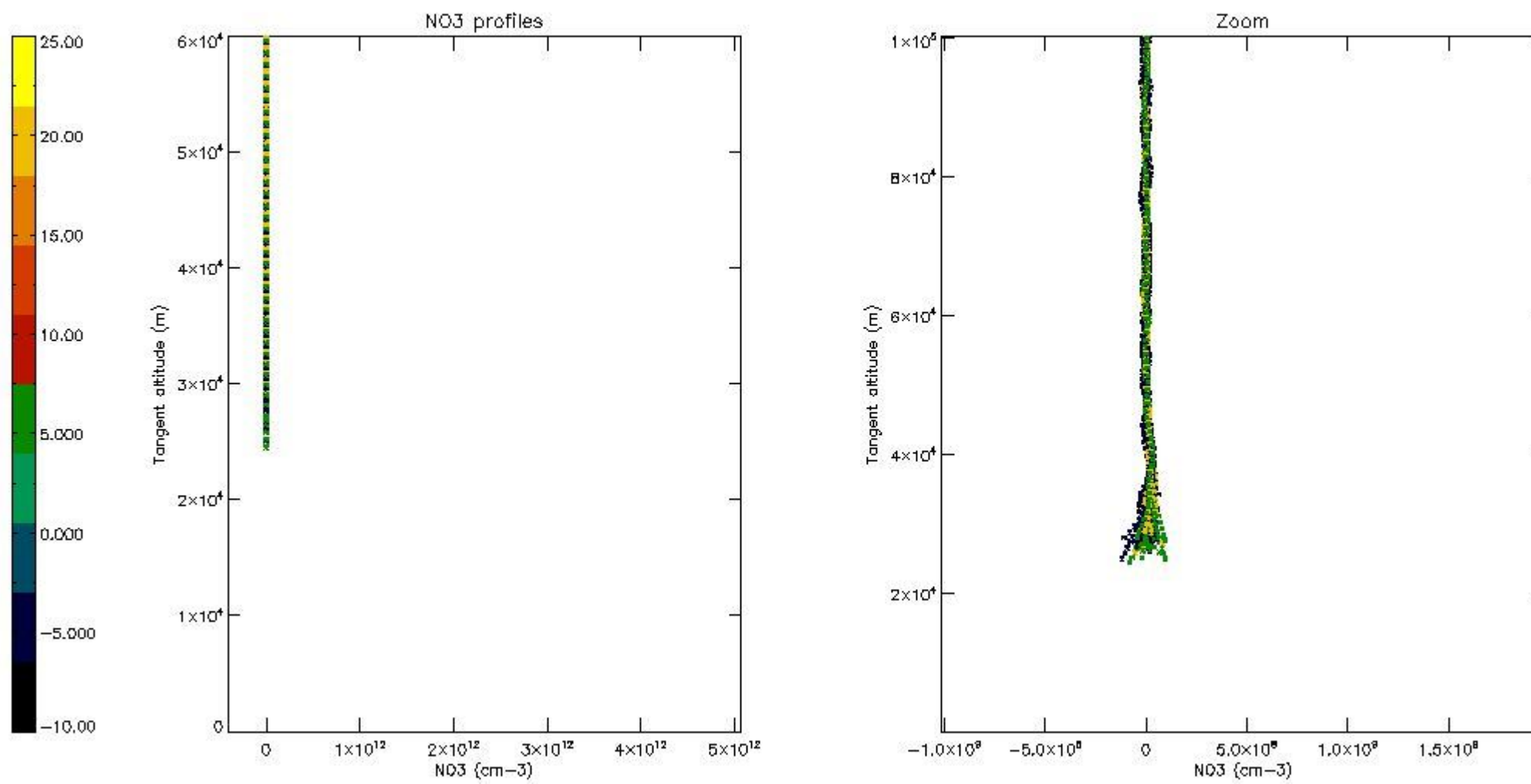
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

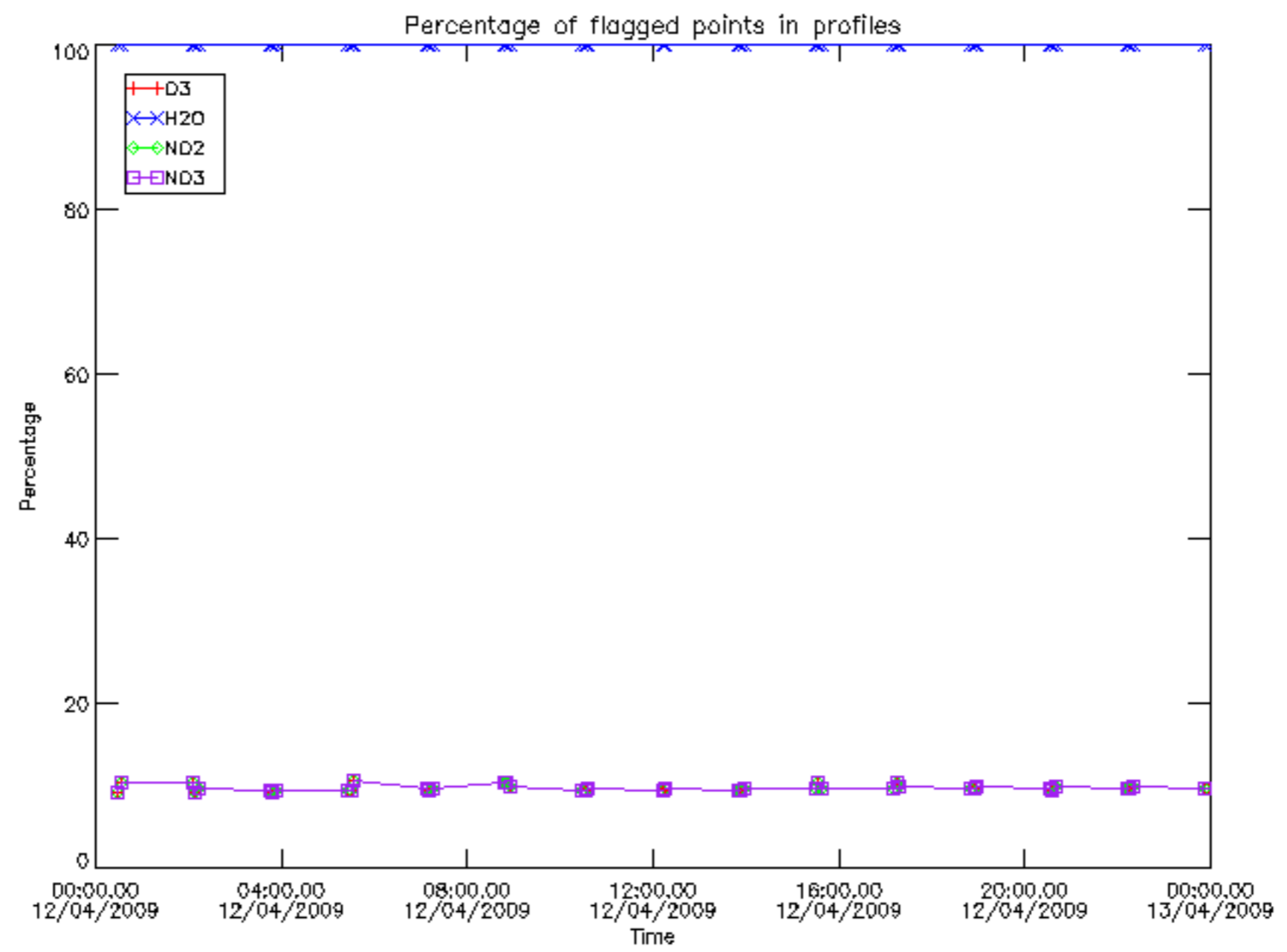
The colorbar represents the latitude.



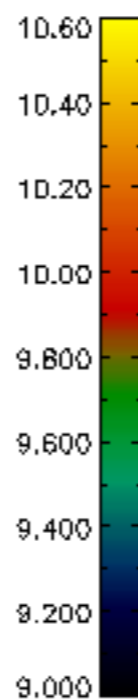
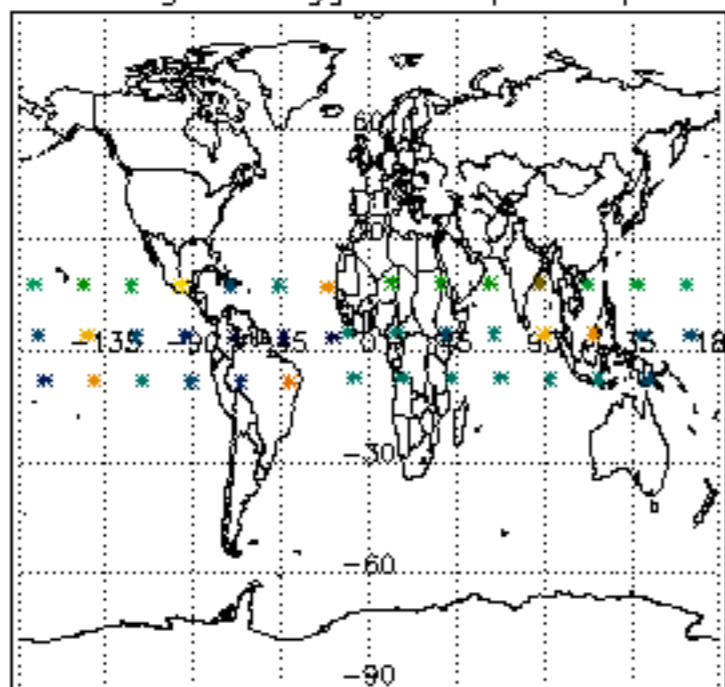
6. Auxiliary Data Files used for the production reported in section 2

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.

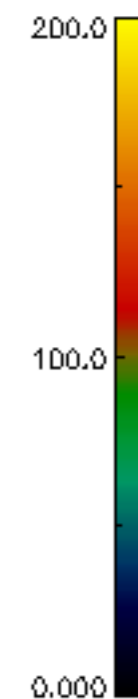
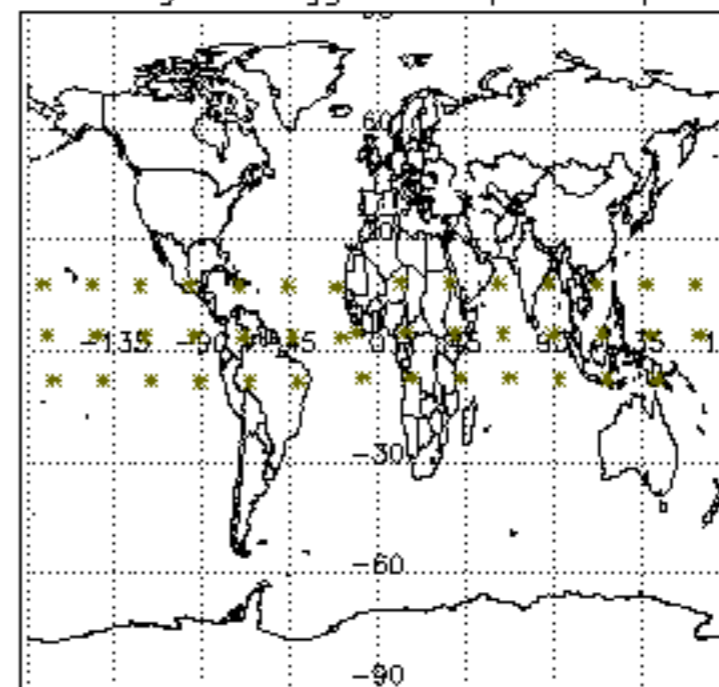
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	12-APR-2009 00:27:58
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	12-APR-2009 00:27:58
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	12-APR-2009 00:27:58



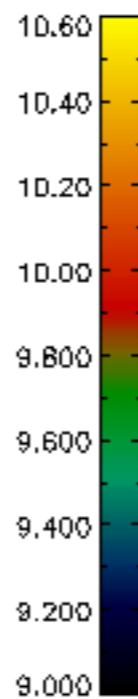
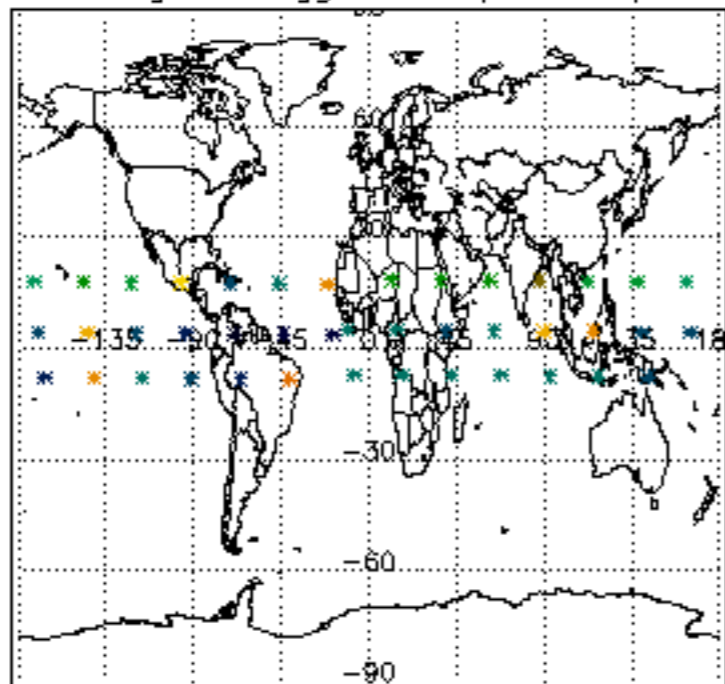
Percentage of flagged data per D3 profile



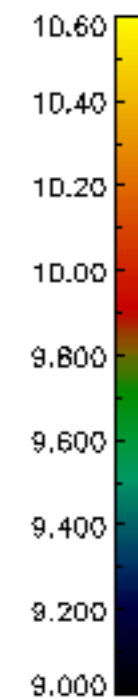
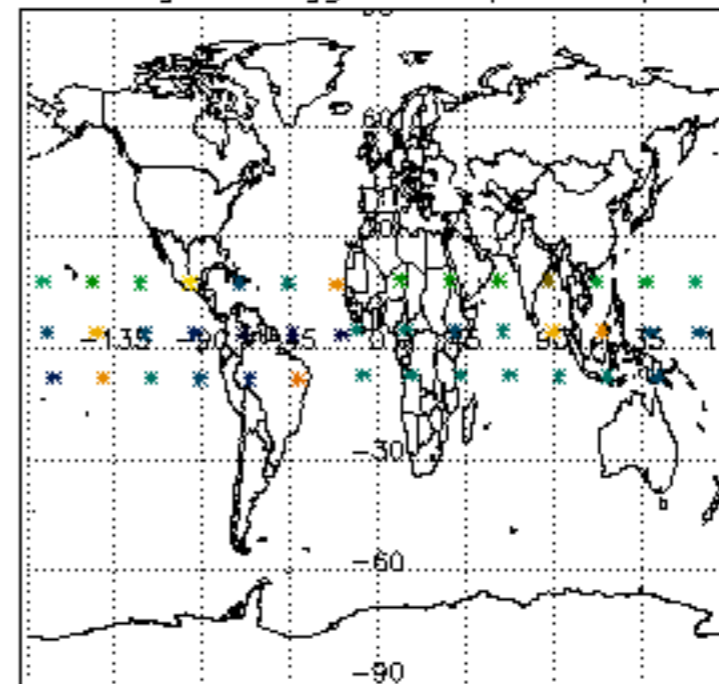
Percentage of flagged data per H2O profile

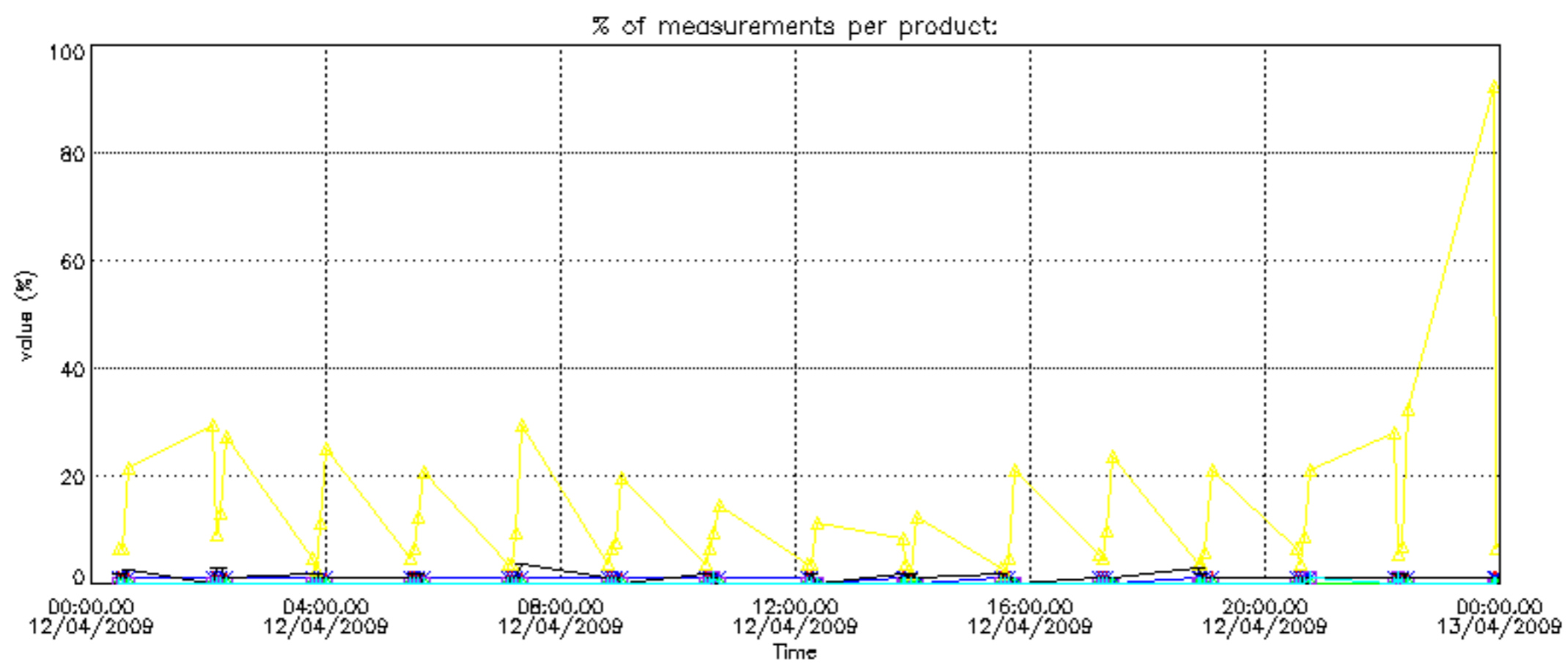
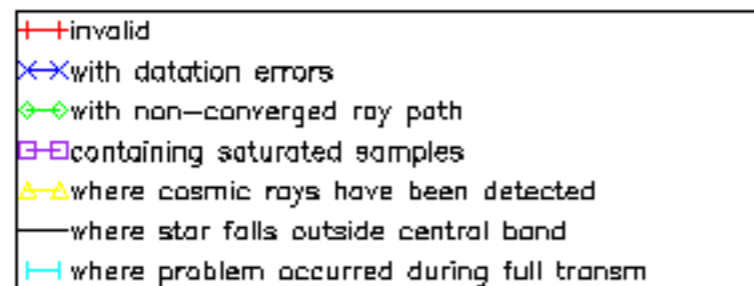


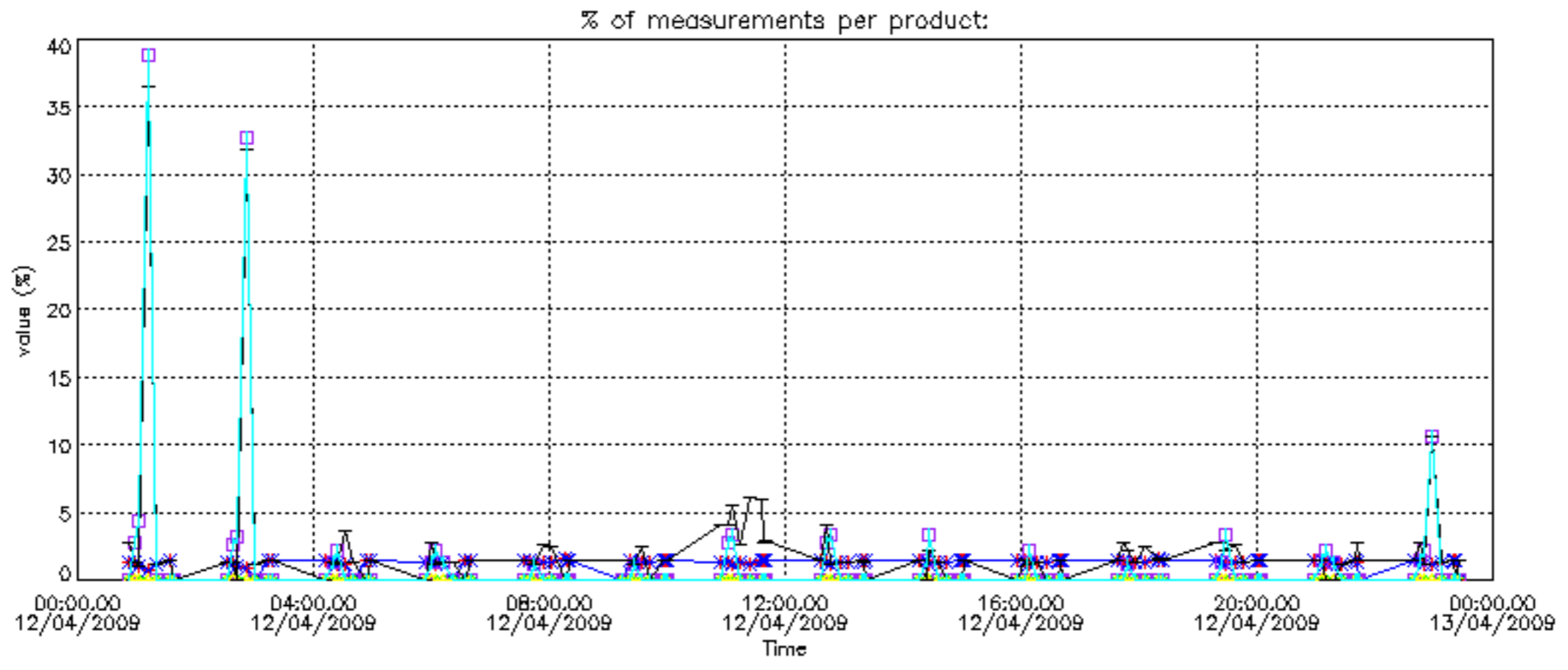
Percentage of flagged data per NO2 profile



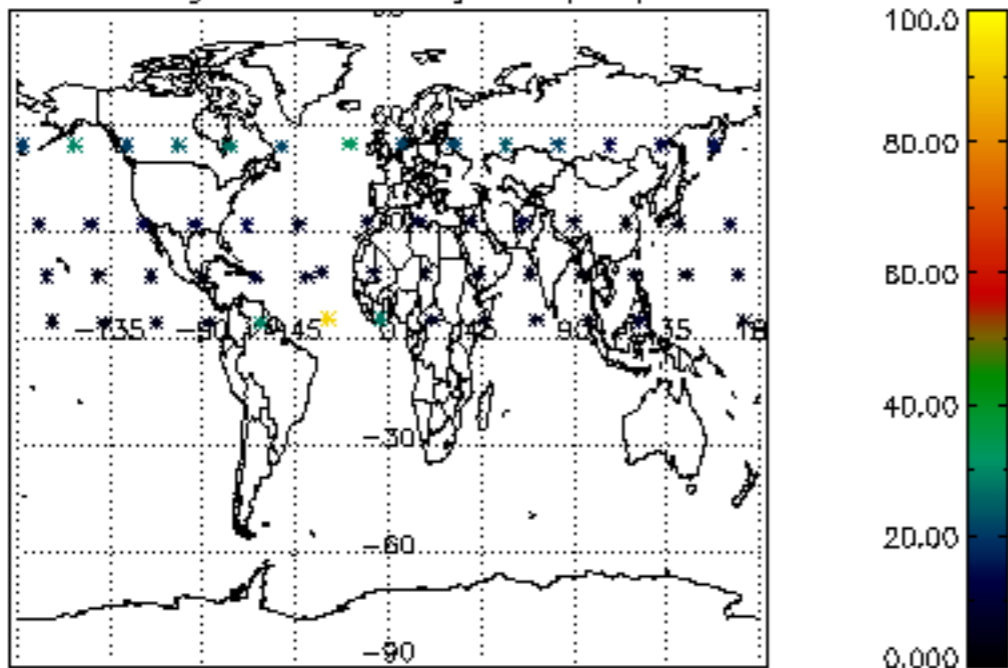
Percentage of flagged data per NO3 profile



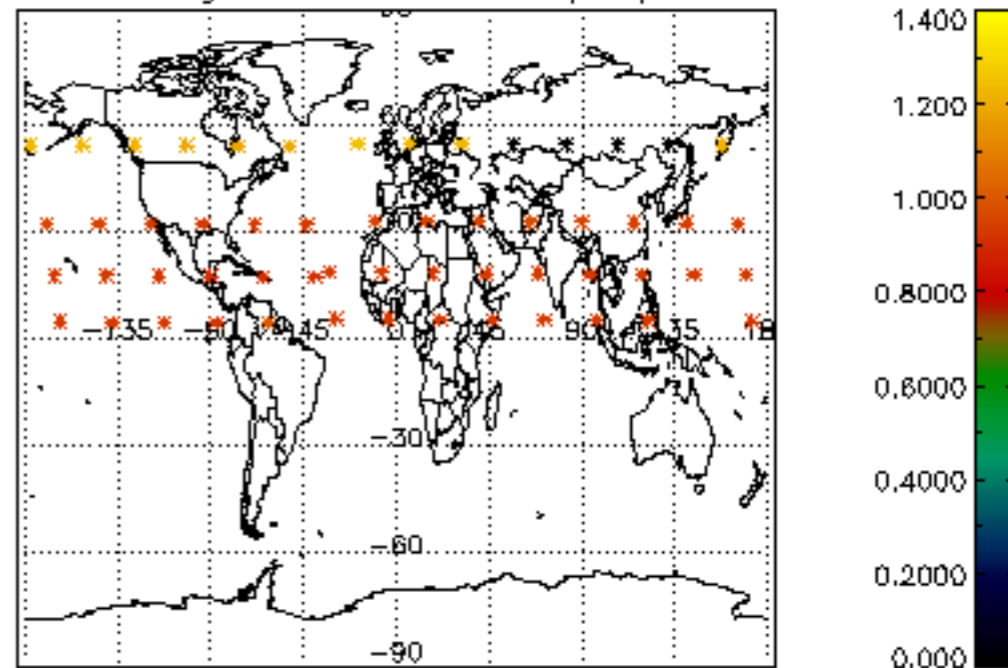




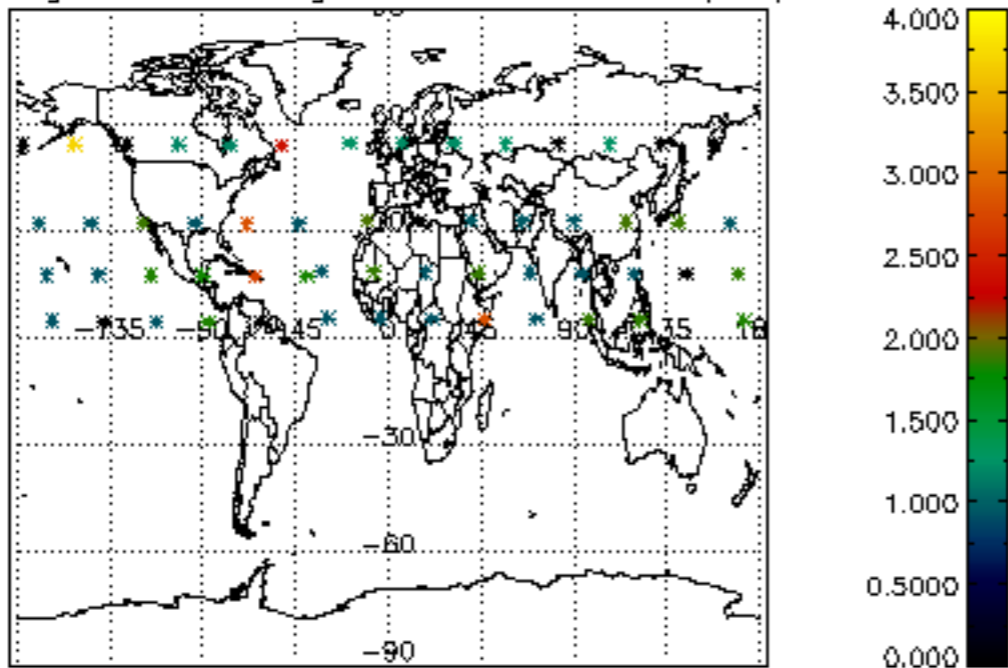
Percentage of cosmic ray hits per profile



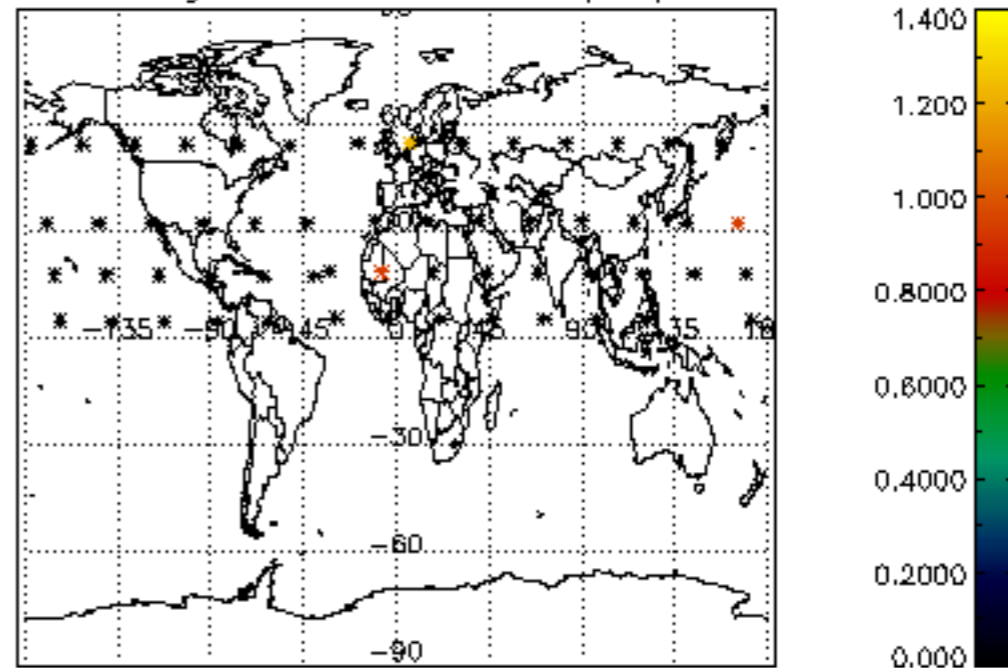
Percentage of datation errors per profile



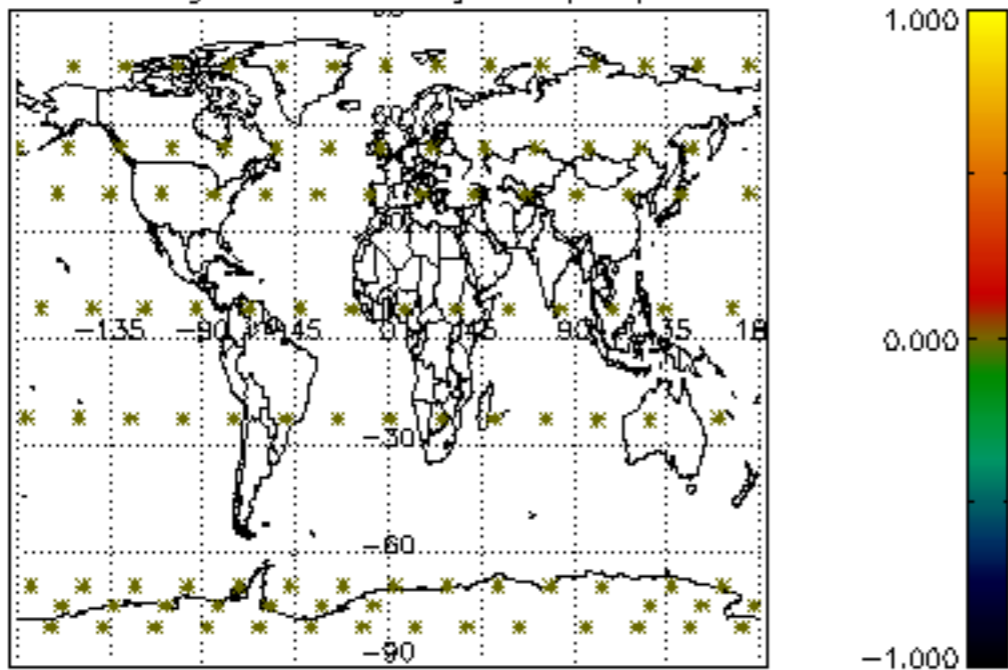
Percentage of star falling outside central band per profile



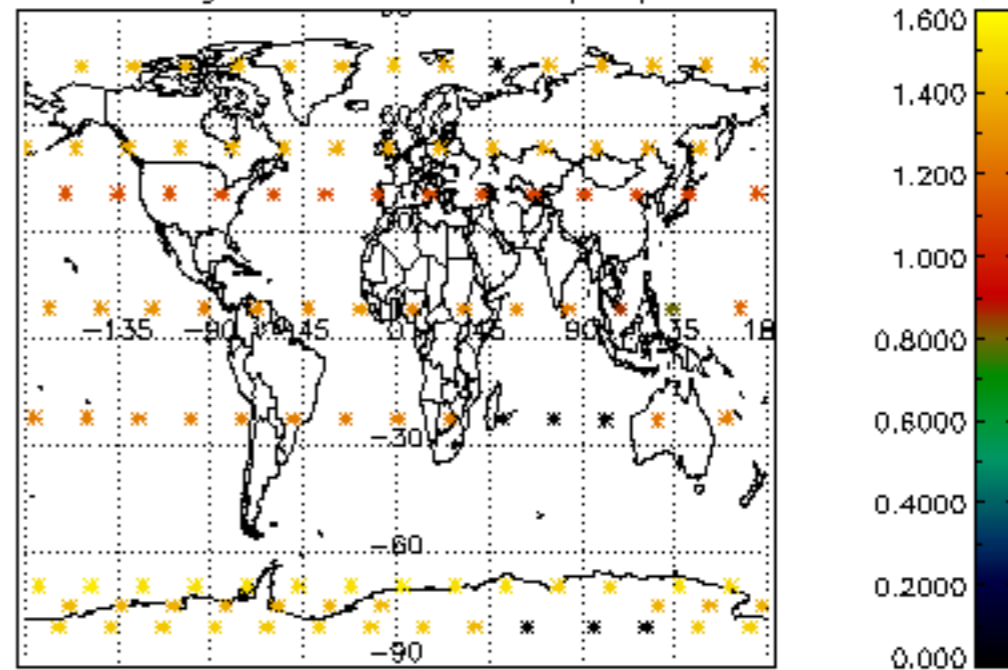
Percentage of saturation errors per profile



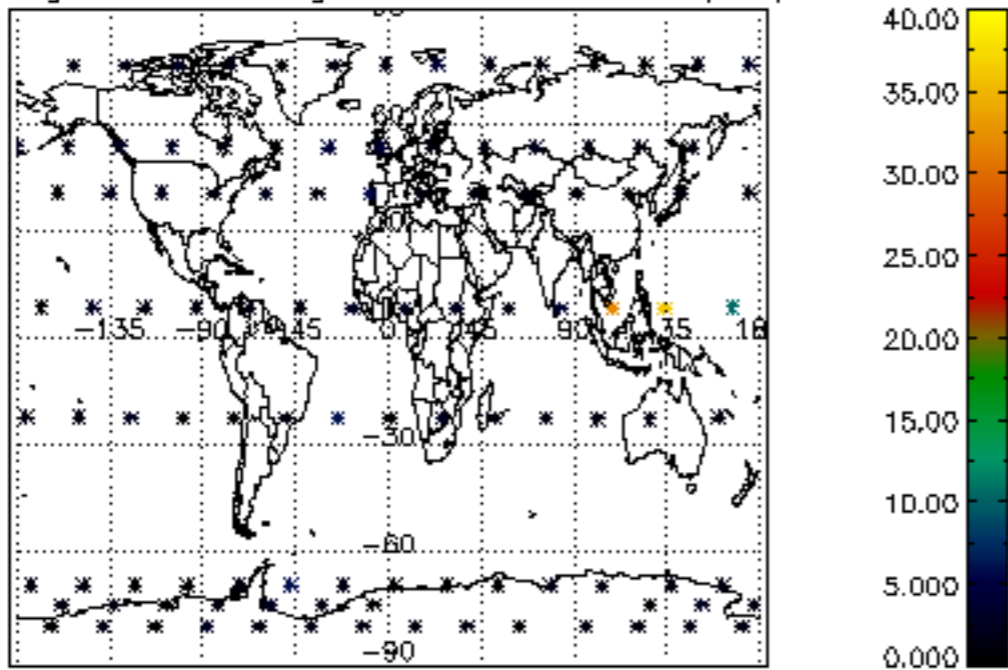
Percentage of cosmic ray hits per profile



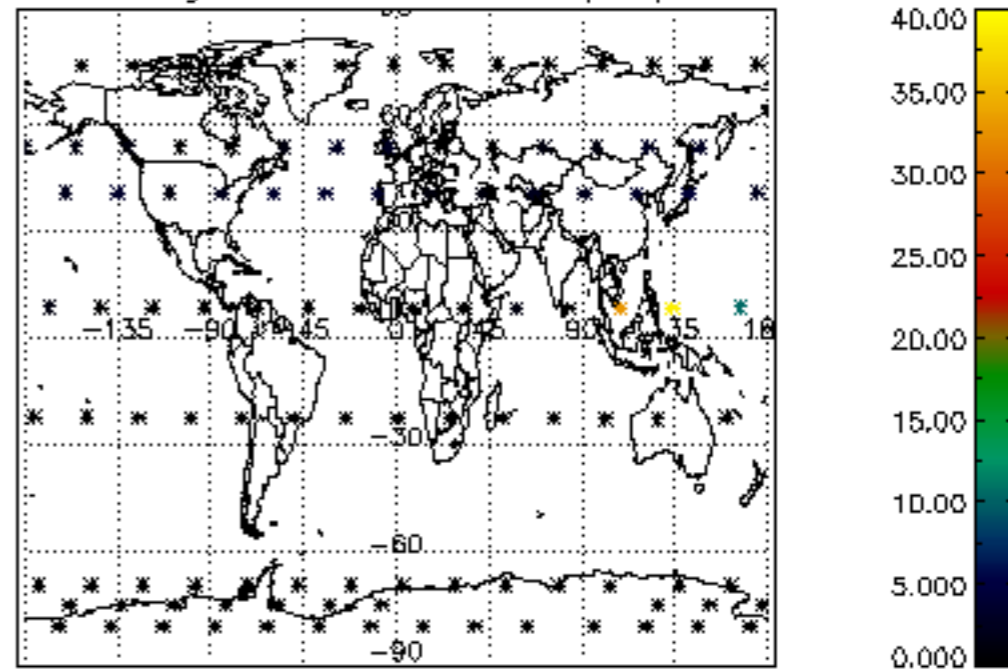
Percentage of datation errors per profile

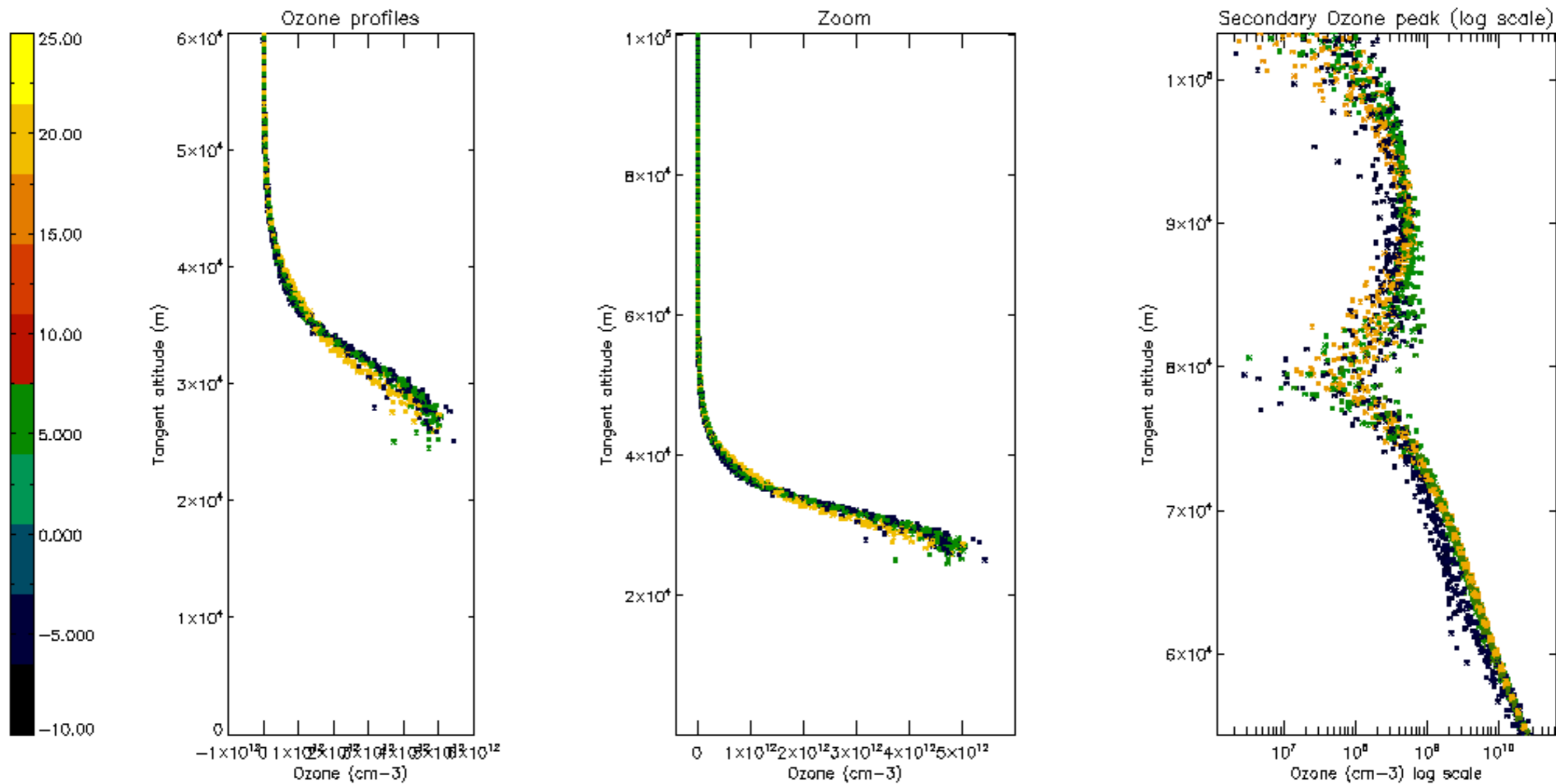


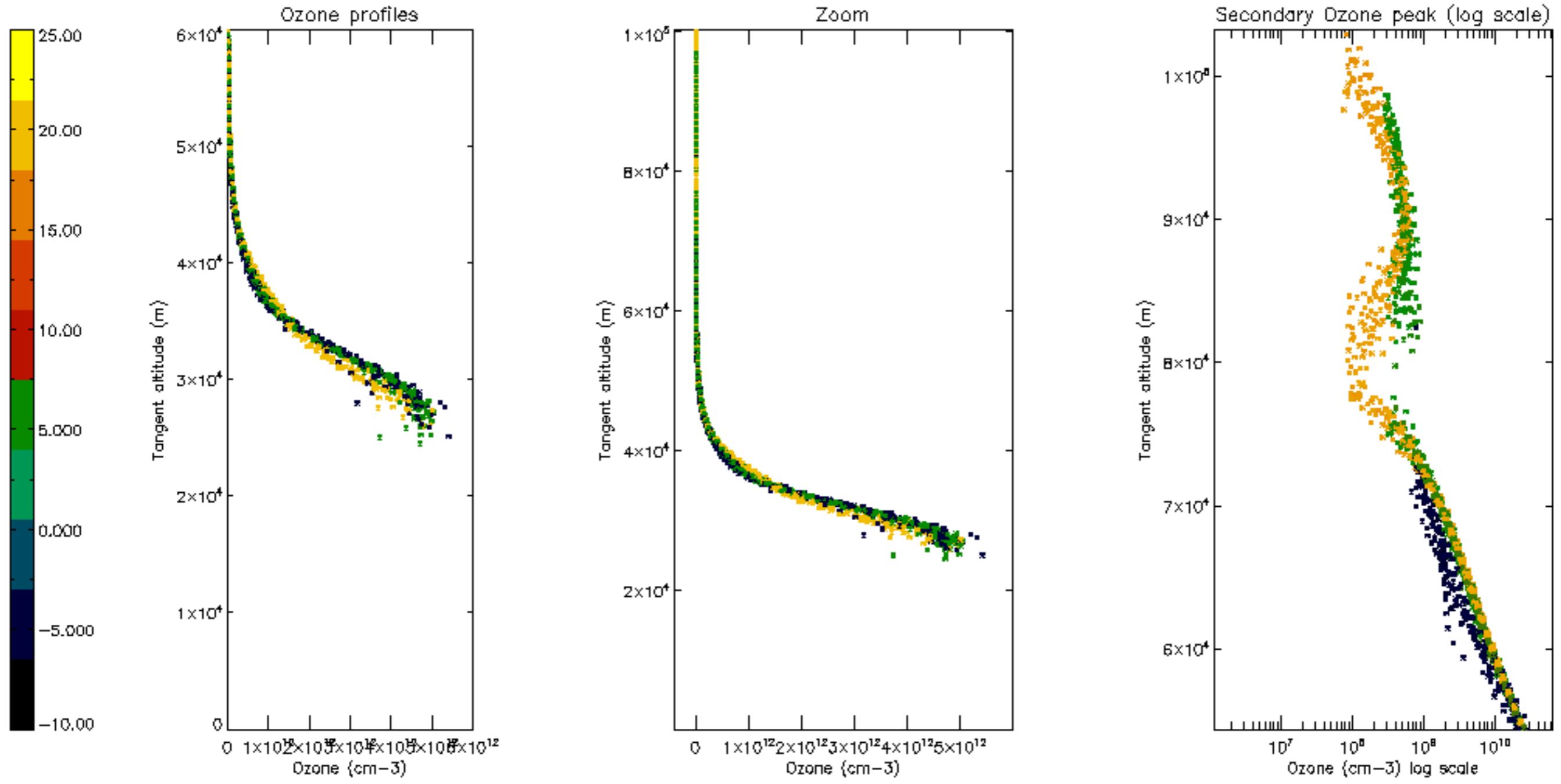
Percentage of star falling outside central band per profile

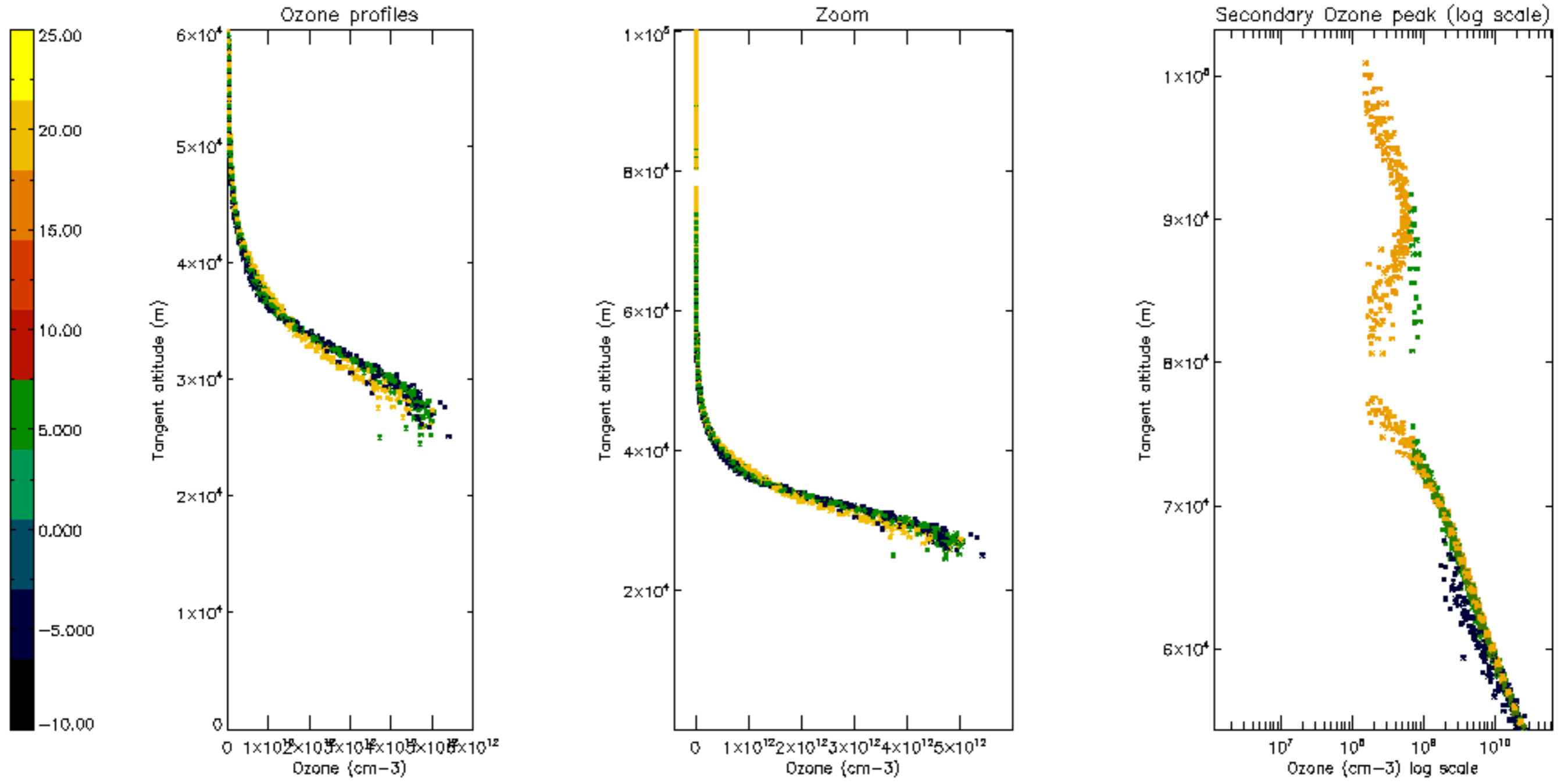


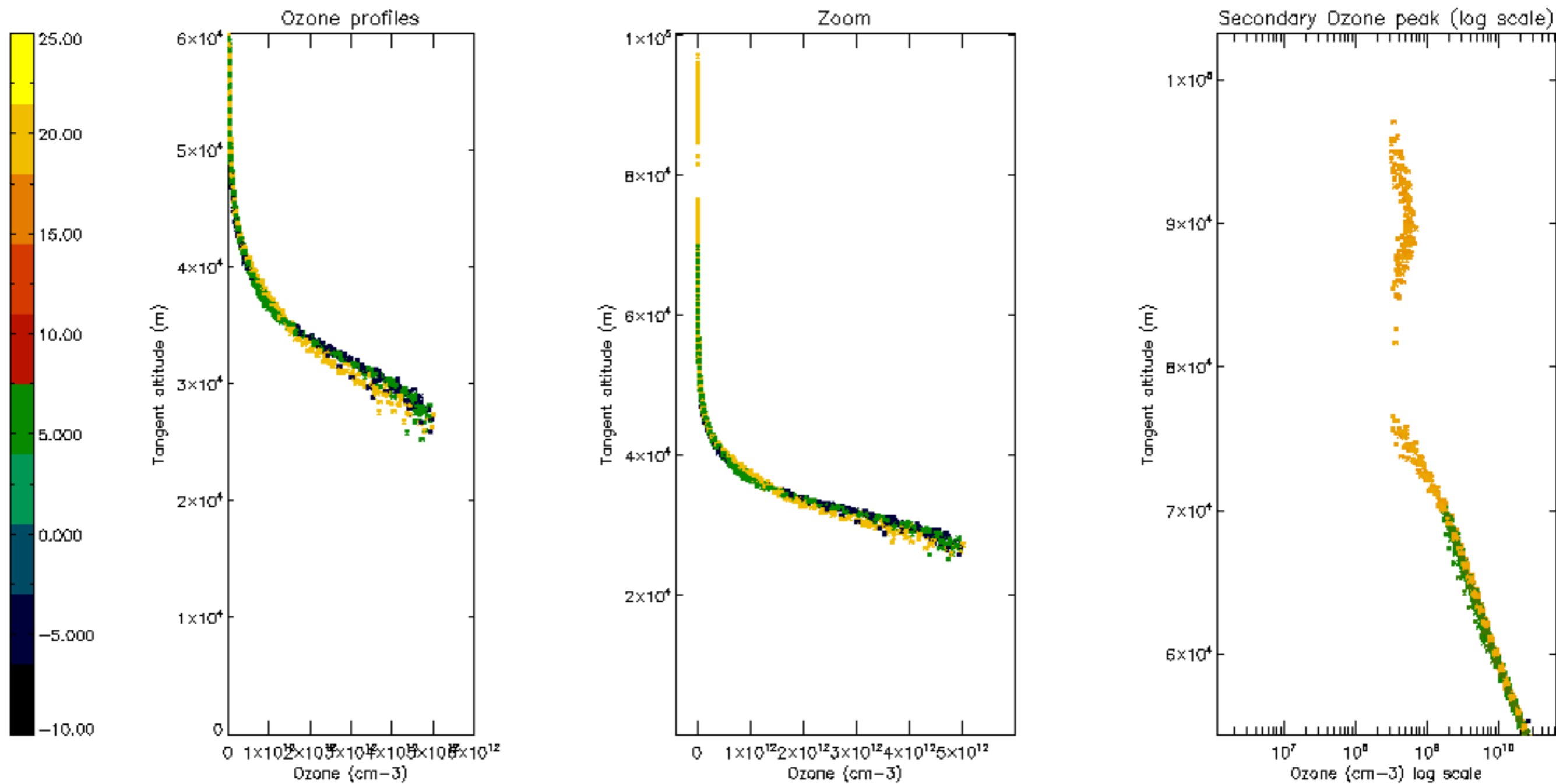
Percentage of saturation errors per profile

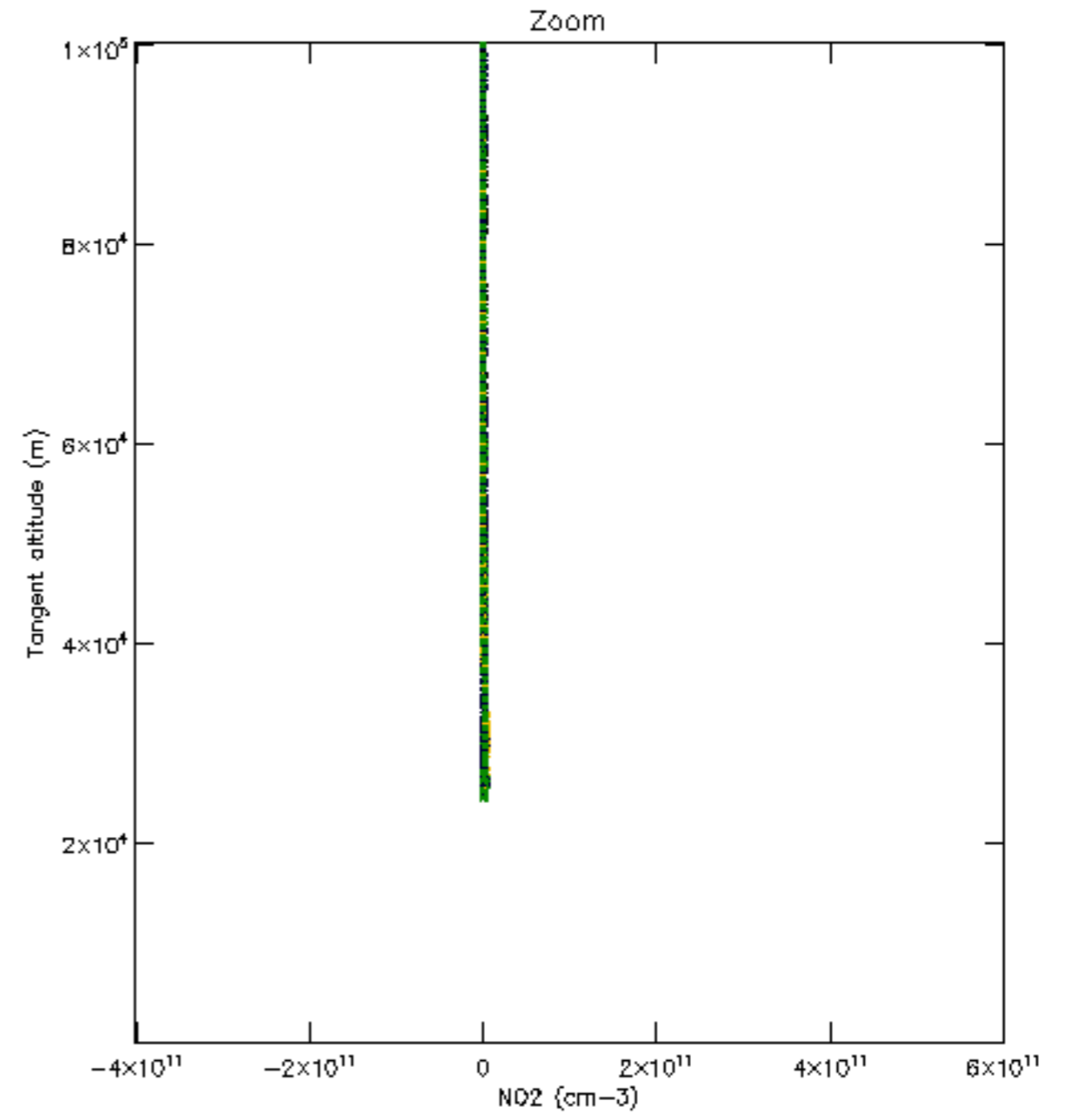
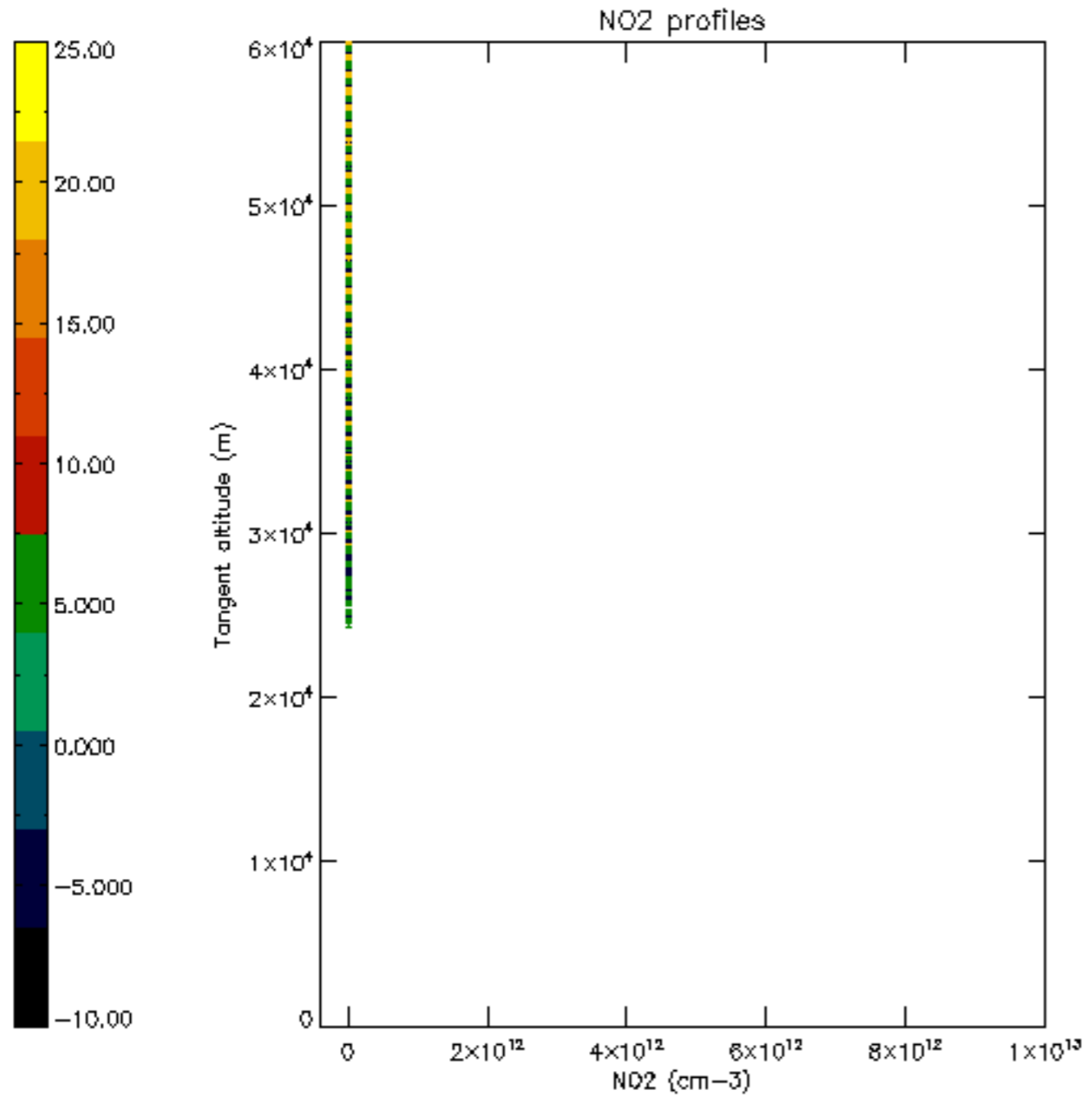


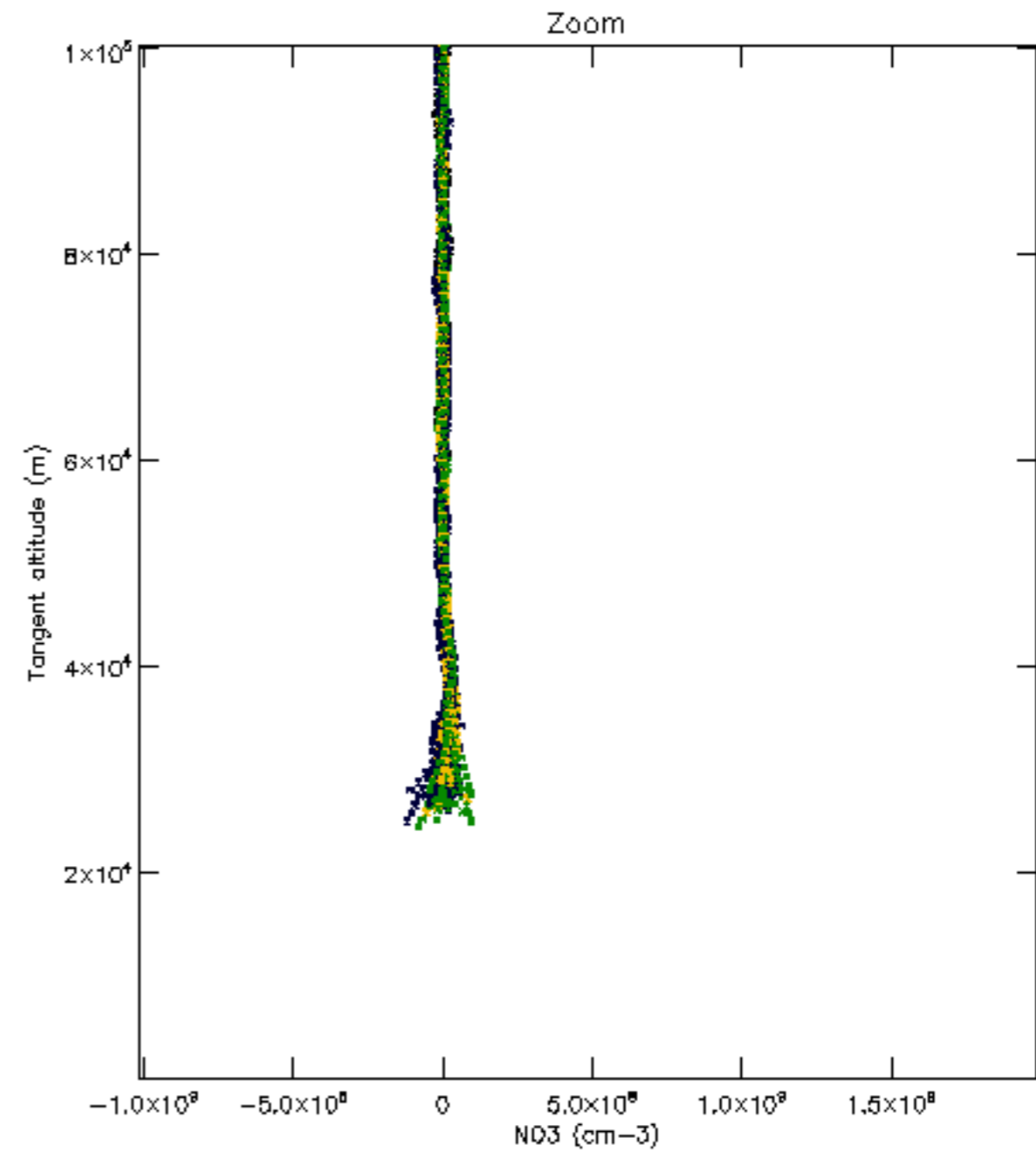
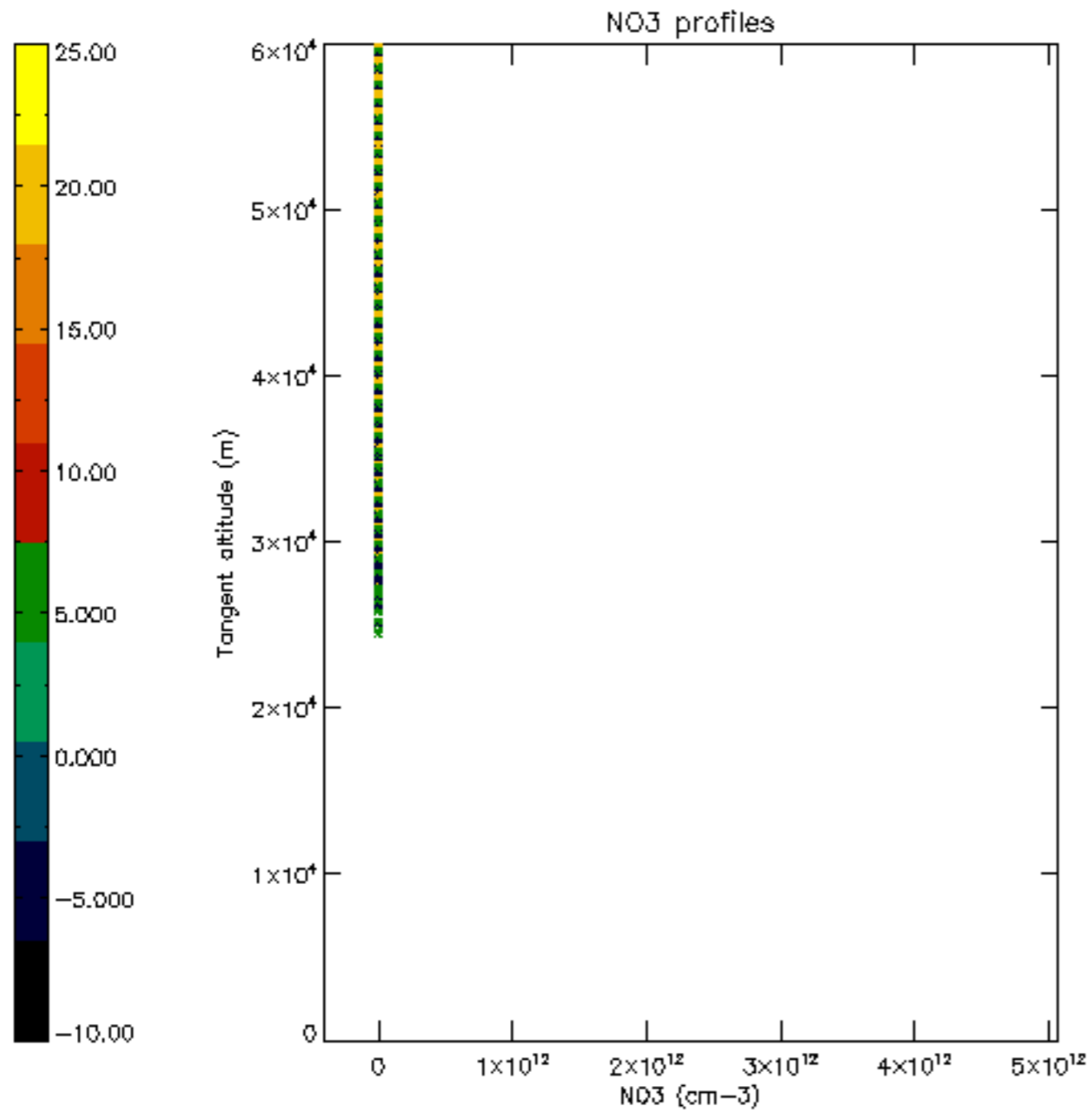


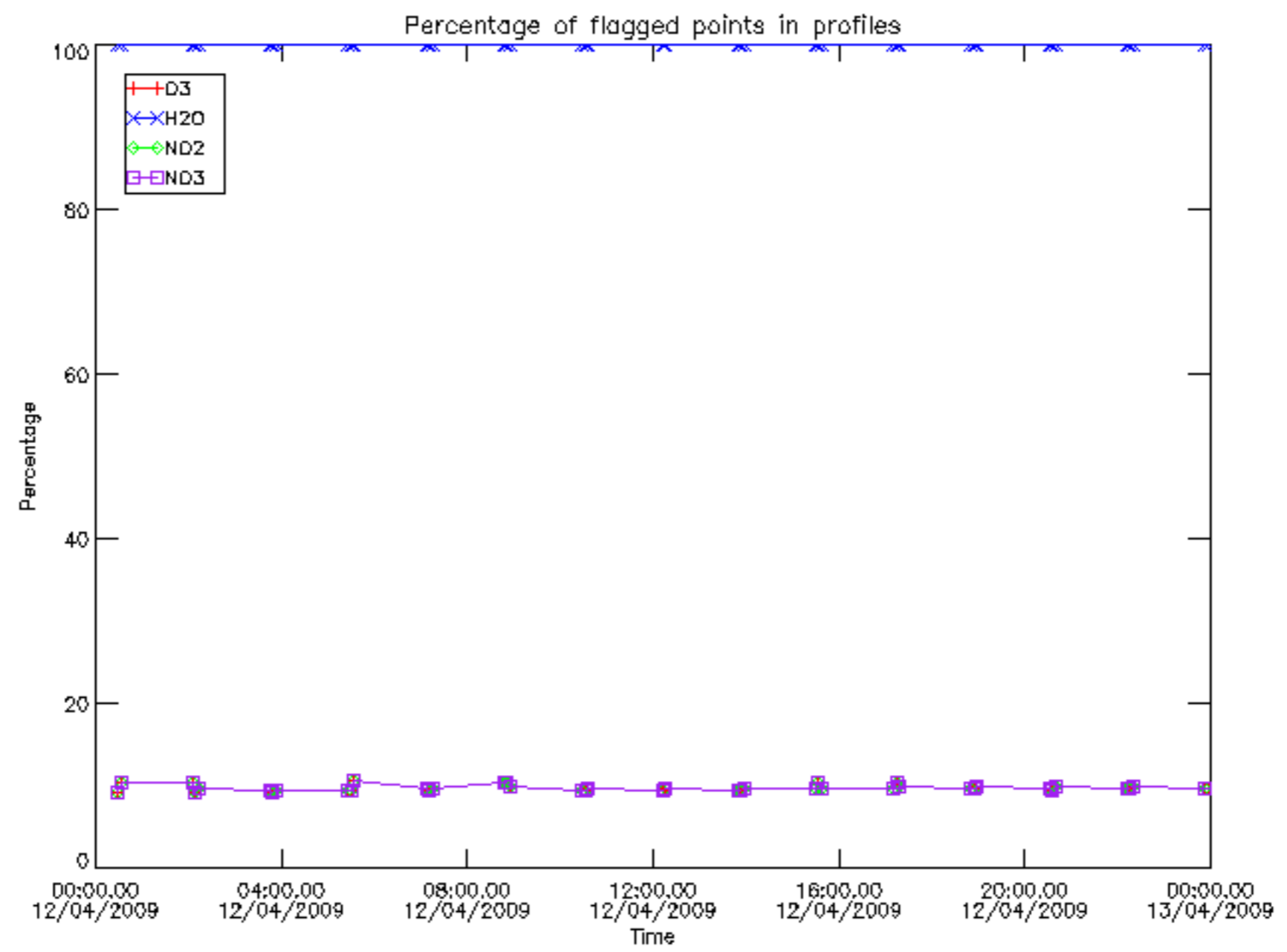




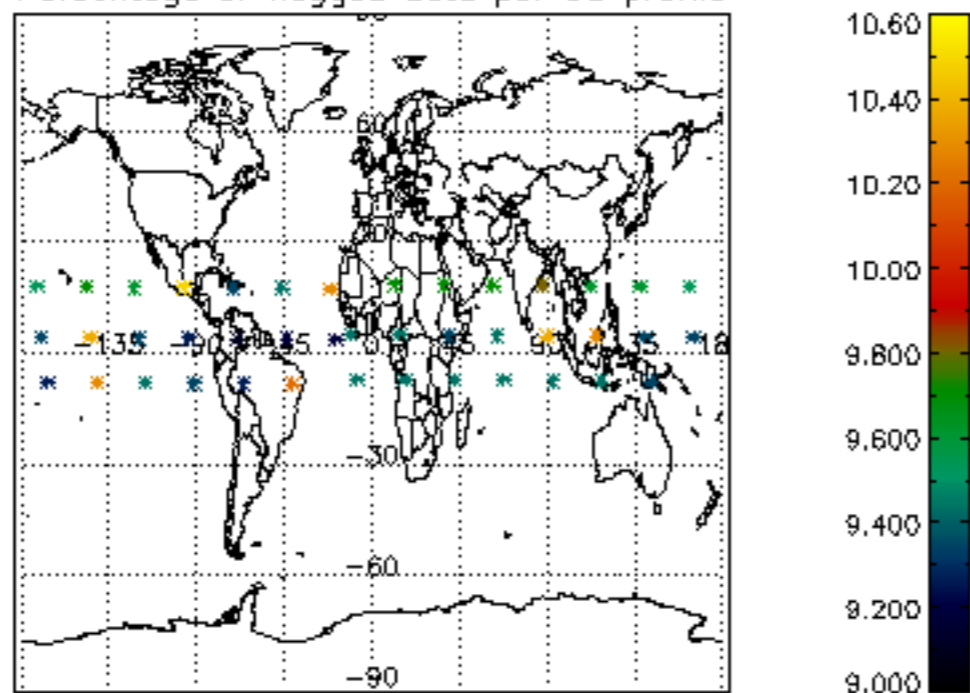




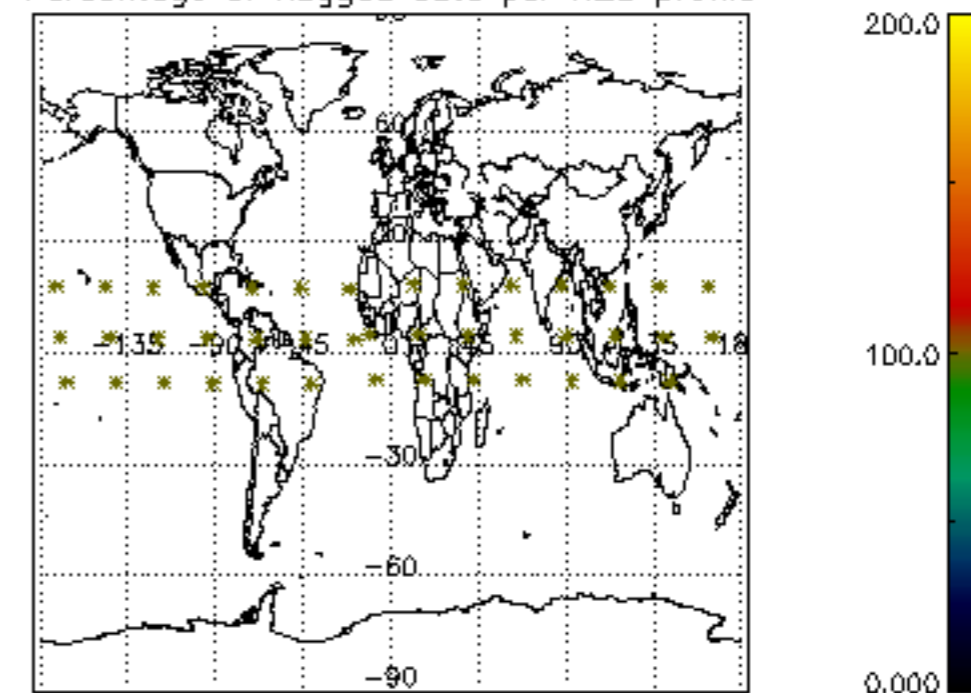




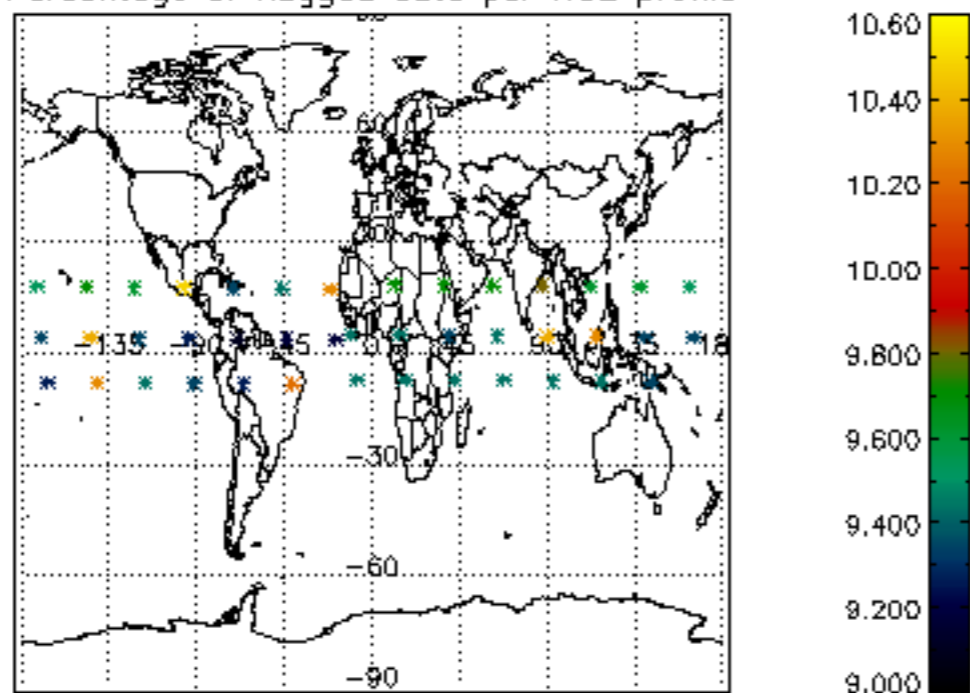
Percentage of flagged data per D3 profile



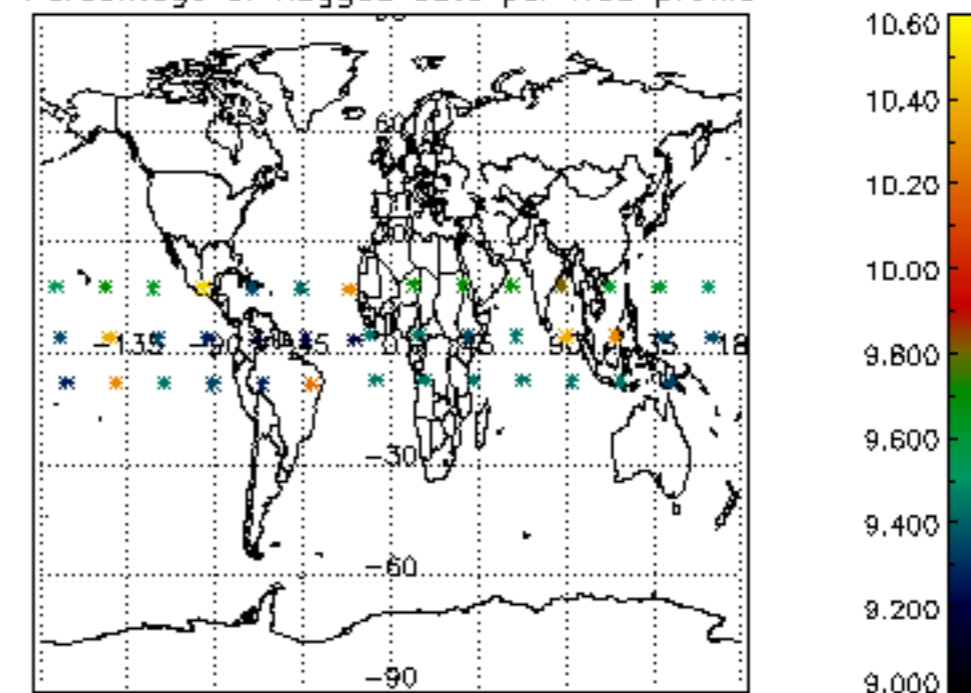
Percentage of flagged data per H2O profile

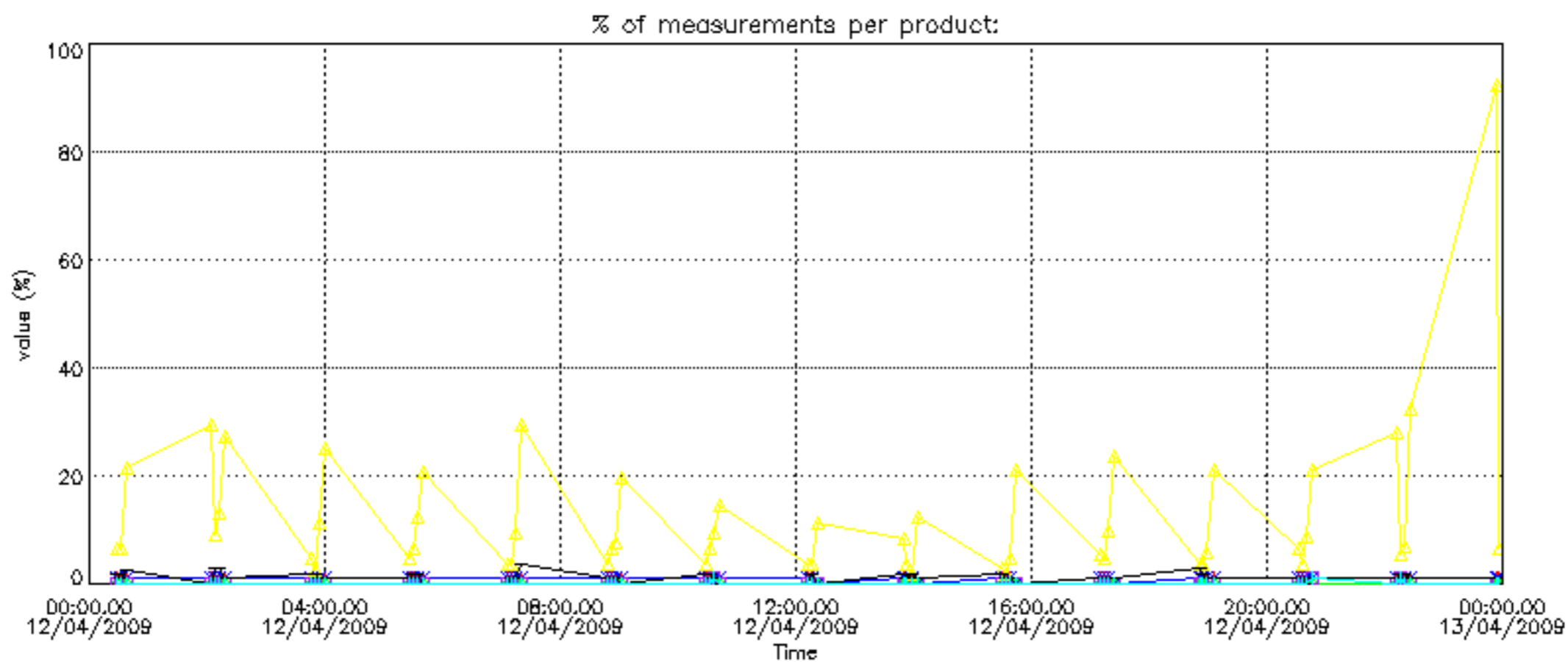


Percentage of flagged data per NO2 profile

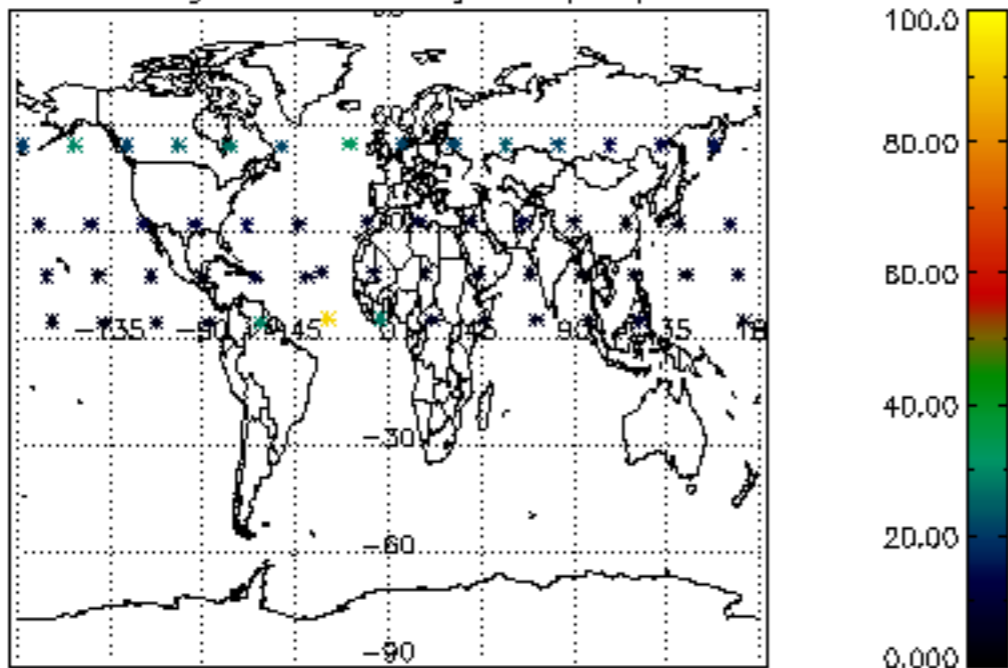


Percentage of flagged data per NO3 profile

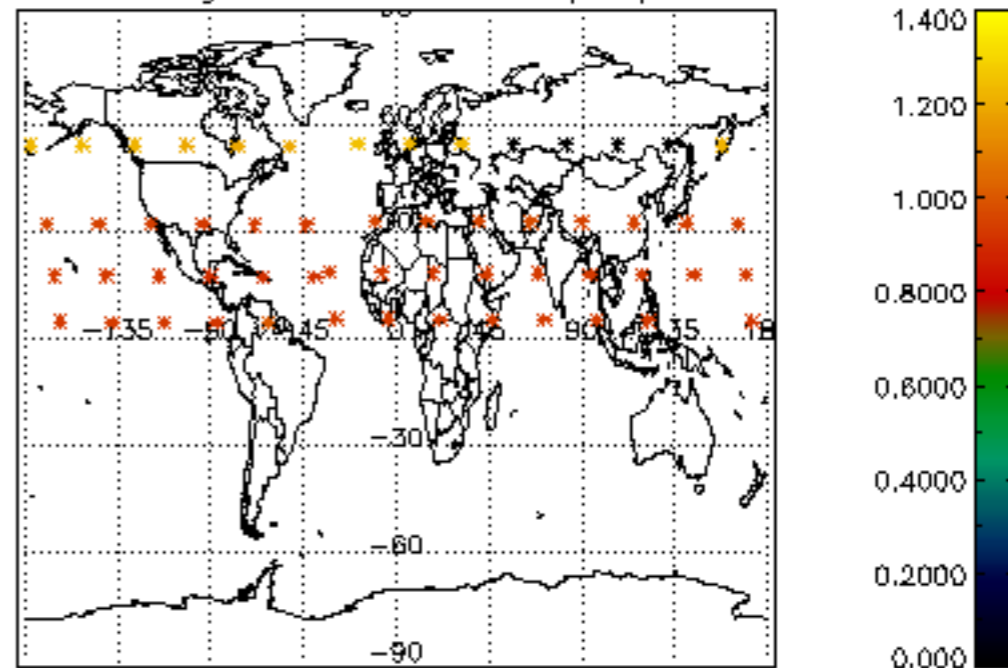




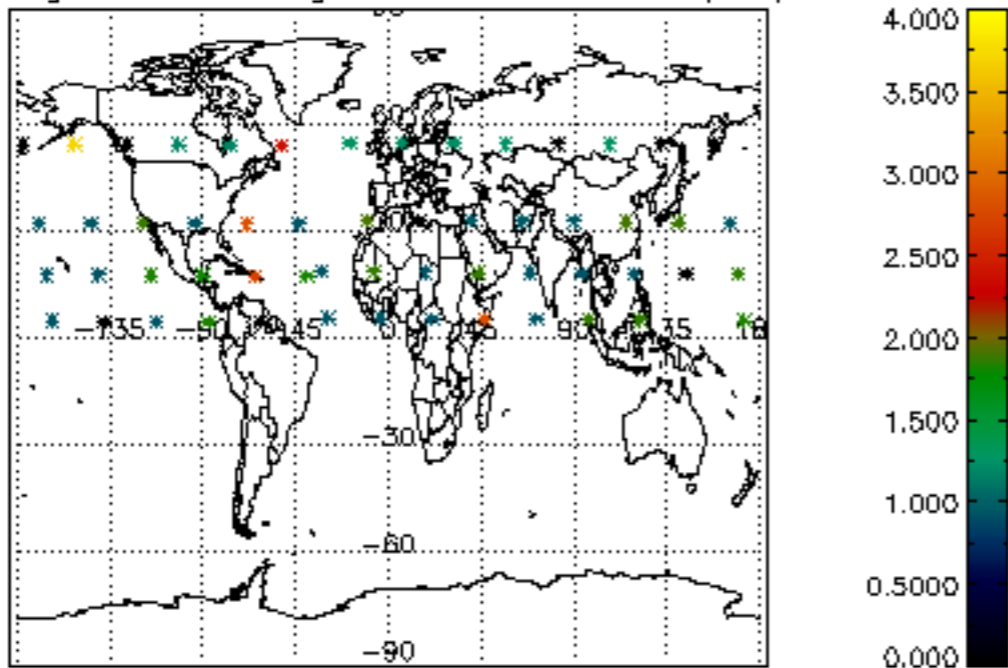
Percentage of cosmic ray hits per profile



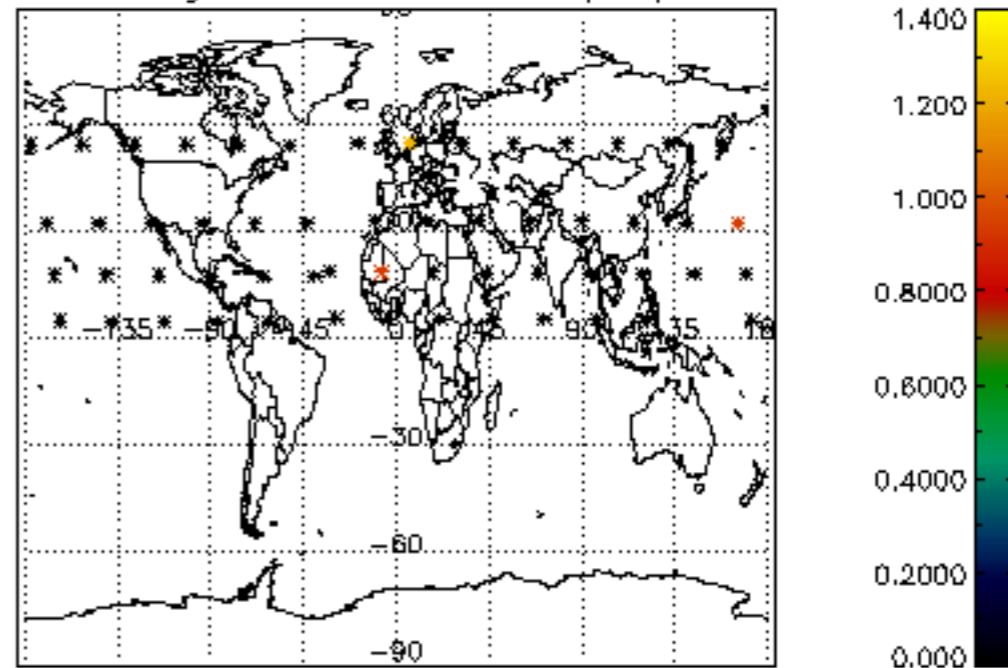
Percentage of datation errors per profile



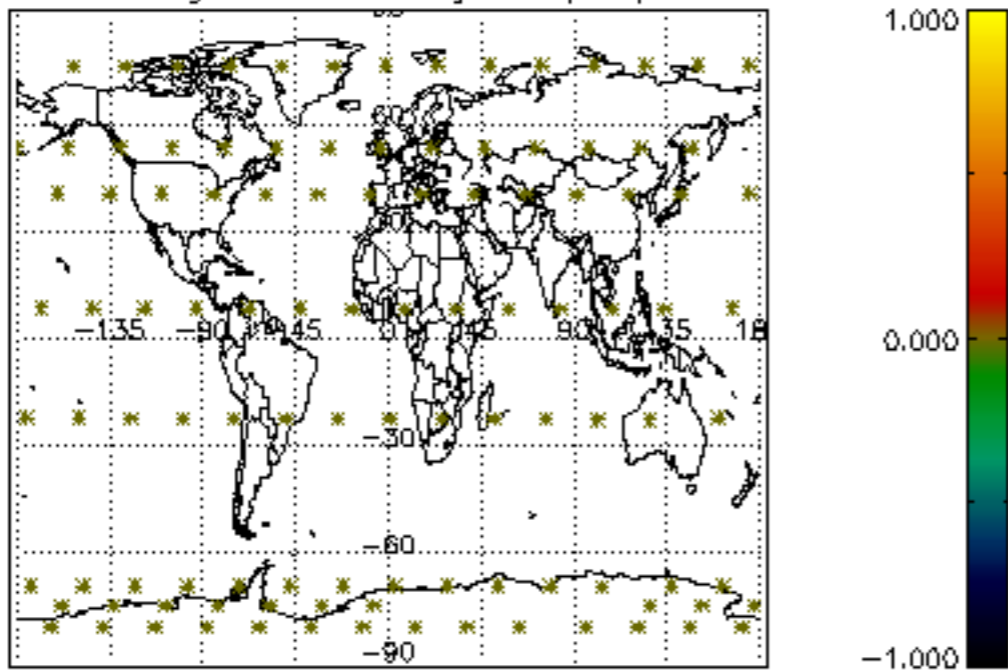
Percentage of star falling outside central band per profile



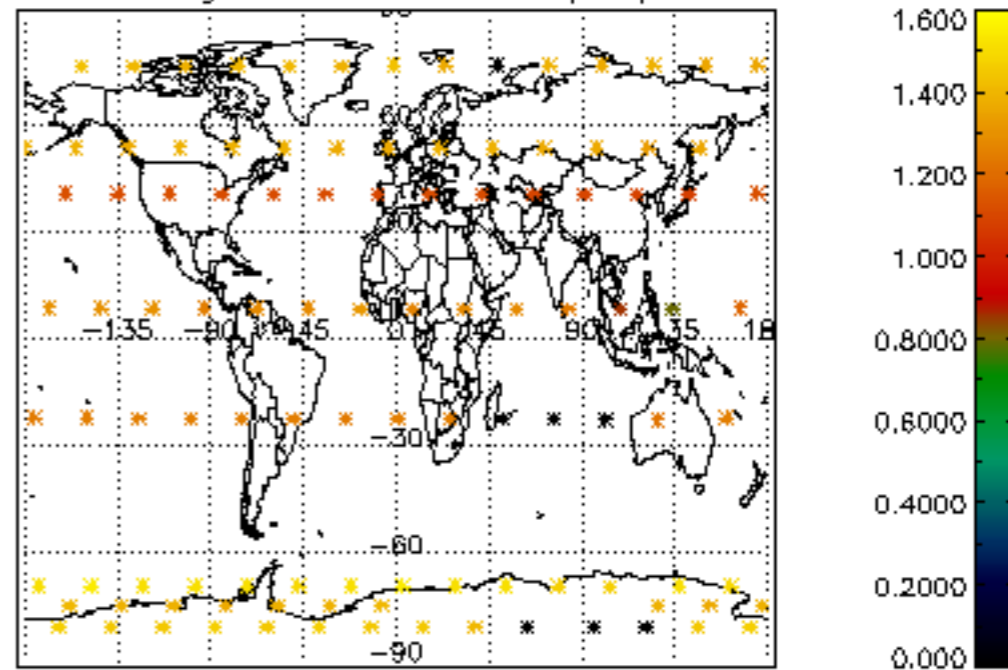
Percentage of saturation errors per profile



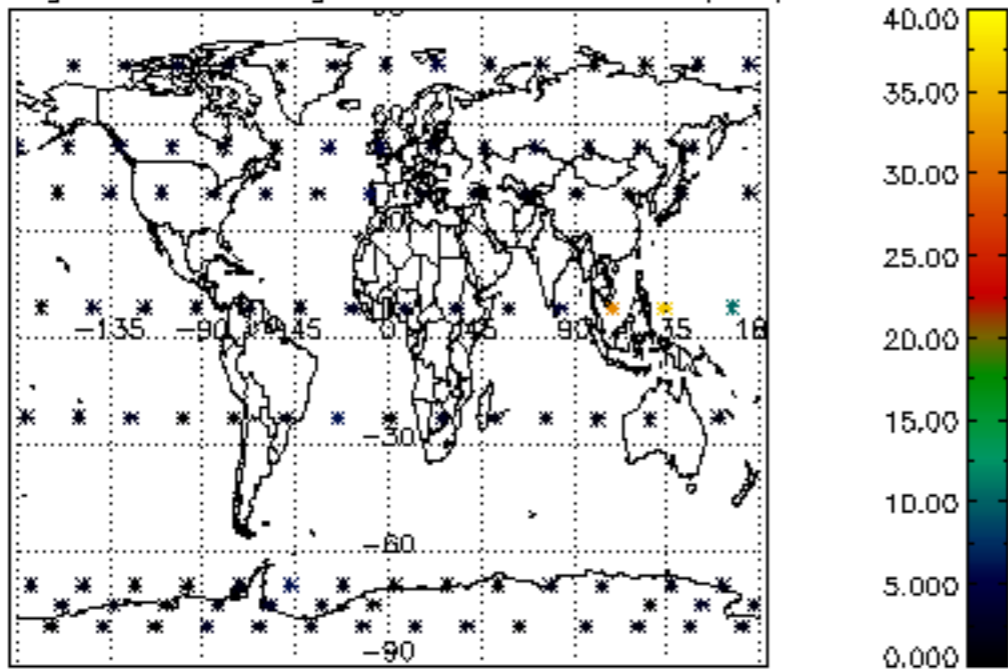
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

