

# GOMOS Level 2 Daily Report

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This report presents the daily analysis on parameters extracted from GOMOS level 2 data (GOM\_NL\_\_2P). It is intended to monitor some important parameters that will impact the quality of these products. A list of level 2 products (and content) that have arrived during the reporting day to the PCF is also given.

Item	Value
Time of report generation	26APR2013 10:10:49
Data source version	GOMOS/6.01
Start time of products	15-06-2009 (15JUN2009 00:00:00)
Stop time of products	16-06-2009 (16JUN2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	190
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__2PRFIN20090615_000338_000000332079_00488_38117_3212.N1	15-JUN-2009 00:03:38	Dark	33.000	52	16Bet Cet	2.0370	4500.0	66	38117	No
2	GOM_NL__2PRFIN20090615_001605_000000342079_00489_38118_3217.N1	15-JUN-2009 00:16:05	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38118	No
3	GOM_NL__2PRFIN20090615_001807_000000352079_00489_38118_3218.N1	15-JUN-2009 00:18:07	Dark	35.000	31	Alp Gru	1.7340	15200.	70	38118	No
4	GOM_NL__2PRFIN20090615_001959_000000422079_00489_38118_3219.N1	15-JUN-2009 00:19:59	Straylight	42.000	172	Gam Gru	3.0030	13100.	84	38118	No
5	GOM_NL__2PRFIN20090615_003214_000000342079_00489_38118_3220.N1	15-JUN-2009 00:32:14	Twilight	33.500	103	38Zet Sgr	2.6000	9700.0	67	38118	No
6	GOM_NL__2PRFIN20090615_003343_000000342079_00489_38118_3221.N1	15-JUN-2009 00:33:43	Twilight	34.000	57	34Sig Sgr	2.0660	26000.	68	38118	No
7	GOM_NL__2PRFIN20090615_004513_000000322079_00489_38118_3222.N1	15-JUN-2009 00:45:13	Bright	31.500	126	60Bet Oph	2.7700	4250.0	63	38118	No
8	GOM_NL__2PRFIN20090615_004745_000000322079_00489_38118_3223.N1	15-JUN-2009 00:47:45	Bright	31.500	59	55Alp Oph	2.0800	8900.0	63	38118	No
9	GOM_NL__2PRFIN20090615_005935_000000292079_00489_38118_3224.N1	15-JUN-2009 00:59:35	Bright	29.000	130	23Bet Dra	2.7990	5800.0	58	38118	No
10	GOM_NL__2PRFIN20090615_011003_000000322079_00489_38118_3225.N1	15-JUN-2009 01:10:03	Twilight	31.500	89	5Alp Cep	2.4510	8000.0	63	38118	No
11	GOM_NL__2PRFIN20090615_011624_000000272079_00489_38118_3226.N1	15-JUN-2009 01:16:24	Twilight	26.500	74	11Bet Cas	2.2680	6600.0	53	38118	No
12	GOM_NL__2PRFIN20090615_011747_000000252079_00489_38118_3227.N1	15-JUN-2009 01:17:47	Twilight	25.000	68	18Alp Cas	2.2250	4500.0	50	38118	No
13	GOM_NL__2PRFIN20090615_012513_000000252079_00489_38118_3228.N1	15-JUN-2009 01:25:13	Twilight	25.000	53	43Bet And	2.0480	3300.0	50	38118	No
14	GOM_NL__2PRFIN20090615_014415_000000332079_00489_38118_3229.N1	15-JUN-2009 01:44:15	Dark	33.000	52	16Bet Cet	2.0370	4500.0	66	38118	No
15	GOM_NL__2PRFIN20090615_015642_000000342079_00490_38119_3231.N1	15-JUN-2009 01:56:42	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38119	No
16	GOM_NL__2PRFIN20090615_015845_000000342079_00490_38119_3232.N1	15-JUN-2009 01:58:45	Dark	34.000	31	Alp Gru	1.7340	15200.	68	38119	No
17	GOM_NL__2PRFIN20090615_020036_000000422079_00490_38119_3233.N1	15-JUN-2009 02:00:36	Straylight	42.000	172	Gam Gru	3.0030	13100.	84	38119	No
18	GOM_NL__2PRFIN20090615_021250_000000342079_00490_38119_3234.N1	15-JUN-2009 02:12:50	Twilight	33.500	103	38Zet Sgr	2.6000	9700.0	67	38119	No
19	GOM_NL__2PRFIN20090615_021419_000000342079_00490_38119_3235.N1	15-JUN-2009 02:14:19	Twilight	34.000	57	34Sig Sgr	2.0660	26000.	68	38119	No
20	GOM_NL__2PRFIN20090615_022549_000000322079_00490_38119_3236.N1	15-JUN-2009 02:25:49	Bright	31.500	126	60Bet Oph	2.7700	4250.0	63	38119	No
21	GOM_NL__2PRFIN20090615_022820_000000322079_00490_38119_3237.N1	15-JUN-2009 02:28:20	Bright	31.500	59	55Alp Oph	2.0800	8900.0	63	38119	No
22	GOM_NL__2PRFIN20090615_024011_000000302079_00490_38119_3238.N1	15-JUN-2009 02:40:11	Bright	29.500	130	23Bet Dra	2.7990	5800.0	59	38119	No
23	GOM_NL__2PRFIN20090615_025038_000000312079_00490_38119_3239.N1	15-JUN-2009 02:50:38	Twilight	31.000	89	5Alp Cep	2.4510	8000.0	62	38119	No
24	GOM_NL__2PRFIN20090615_025700_000000272079_00490_38119_3240.N1	15-JUN-2009 02:57:00	Twilight	26.500	74	11Bet Cas	2.2680	6600.0	53	38119	No
25	GOM_NL__2PRFIN20090615_025822_000000262079_00490_38119_3241.N1	15-JUN-2009 02:58:22	Twilight	25.500	68	18Alp Cas	2.2250	4500.0	51	38119	No
26	GOM_NL__2PRFIN20090615_030549_000000262079_00490_38119_3242.N1	15-JUN-2009 03:05:49	Twilight	25.500	53	43Bet And	2.0480	3300.0	51	38119	No
27	GOM_NL__2PRFIN20090615_032452_000000332079_00490_38119_3243.N1	15-JUN-2009 03:24:52	Dark	33.000	52	16Bet Cet	2.0370	4500.0	66	38119	No
28	GOM_NL__2PRFIN20090615_033719_000000342079_00491_38120_3267.N1	15-JUN-2009 03:37:19	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38120	No
29	GOM_NL__2PRFIN20090615_033922_000000342079_00491_38120_3268.N1	15-JUN-2009 03:39:22	Dark	34.000	31	Alp Gru	1.7340	15200.	68	38120	No
30	GOM_NL__2PRFIN20090615_034114_000000422079_00491_38120_3269.N1	15-JUN-2009 03:41:14	Straylight	42.000	172	Gam Gru	3.0030	13100.	84	38120	No
31	GOM_NL__2PRFIN20090615_035326_000000342079_00491_38120_3270.N1	15-JUN-2009 03:53:26	Twilight	34.000	103	38Zet Sgr	2.6000	9700.0	68	38120	No
32	GOM_NL__2PRFIN20090615_035456_000000342079_00491_38120_3271.N1	15-JUN-2009 03:54:56	Twilight	34.000	57	34Sig Sgr	2.0660	26000.	68	38120	No
33	GOM_NL__2PRFIN20090615_040624_000000322079_00491_38120_3272.N1	15-JUN-2009 04:06:24	Bright	32.000	126	60Bet Oph	2.7700	4250.0	64	38120	No
34	GOM_NL__2PRFIN20090615_040856_000000322079_00491_38120_3273.N1	15-JUN-2009 04:08:56	Bright	31.500	59	55Alp Oph	2.0800	8900.0	63	38120	No
35	GOM_NL__2PRFIN20090615_042046_000000302079_00491_38120_3274.N1	15-JUN-2009 04:20:46	Bright	29.500	130	23Bet Dra	2.7990	5800.0	59	38120	No
36	GOM_NL__2PRFIN20090615_043114_000000322079_00491_38120_3275.N1	15-JUN-2009 04:31:14	Twilight	31.500	89	5Alp Cep	2.4510	8000.0	63	38120	No
37	GOM_NL__2PRFIN20090615_043736_000000272079_00491_38120_3276.N1	15-JUN-2009 04:37:36	Twilight	26.500	74	11Bet Cas	2.2680	6600.0	53	38120	No
38	GOM_NL__2PRFIN20090615_043858_000000252079_00491_38120_3277.N1	15-JUN-2009 04:38:58	Twilight	25.000	68	18Alp Cas	2.2250	4500.0	50	38120	No
39	GOM_NL__2PRFIN20090615_044625_000000262079_00491_38120_3278.N1	15-JUN-2009 04:46:25	Twilight	25.500	53	43Bet And	2.0480	3300.0	51	38120	No
40	GOM_NL__2PRFIN20090615_050529_000000332079_00491_38120_3279.N1	15-JUN-2009 05:05:29	Dark	33.000	52	16Bet Cet	2.0370	4500.0	66	38120	No
41	GOM_NL__2PRFIN20090615_051755_000000352079_00492_38121_3281.N1	15-JUN-2009 05:17:55	Dark	34.500	63	Bet Gru	2.1500	2800.0	69	38121	No
42	GOM_NL__2PRFIN20090615_051959_000000342079_00492_38121_3282.N1	15-JUN-2009 05:19:59	Dark	34.000	31	Alp Gru	1.7340	15200.	68	38121	No

43	GOM_NL__2PRFIN20090615_052151_000000422079_00492_38121_3283.N1	15-JUN-2009 05:21:51	Straylight	42.000	172	Gam Gru	3.0030	13100.	84	38121	No
44	GOM_NL__2PRFIN20090615_053403_000000342079_00492_38121_3284.N1	15-JUN-2009 05:34:03	Tw_i_and_stray	33.500	103	38Zet Sgr	2.6000	9700.0	67	38121	No
45	GOM_NL__2PRFIN20090615_053532_000000342079_00492_38121_3285.N1	15-JUN-2009 05:35:32	Tw_i_and_stray	34.000	57	34Sig Sgr	2.0660	26000.	68	38121	No
46	GOM_NL__2PRFIN20090615_054700_000000322079_00492_38121_3286.N1	15-JUN-2009 05:47:00	Bright	31.500	126	60Bet Oph	2.7700	4250.0	63	38121	No
47	GOM_NL__2PRFIN20090615_054932_000000322079_00492_38121_3287.N1	15-JUN-2009 05:49:32	Bright	31.500	59	55Alp Oph	2.0800	8900.0	63	38121	No
48	GOM_NL__2PRFIN20090615_060122_000000292079_00492_38121_3288.N1	15-JUN-2009 06:01:22	Bright	29.000	130	23Bet Dra	2.7990	5800.0	58	38121	No
49	GOM_NL__2PRFIN20090615_061149_000000312079_00492_38121_3289.N1	15-JUN-2009 06:11:49	Tw_i_and_stray	31.000	89	5Alp Cep	2.4510	8000.0	62	38121	No
50	GOM_NL__2PRFIN20090615_061812_000000272079_00492_38121_3290.N1	15-JUN-2009 06:18:12	Tw_i_and_stray	26.500	74	11Bet Cas	2.2680	6600.0	53	38121	No
51	GOM_NL__2PRFIN20090615_061934_000000252079_00492_38121_3291.N1	15-JUN-2009 06:19:34	Tw_i_and_stray	25.000	68	18Alp Cas	2.2250	4500.0	50	38121	No
52	GOM_NL__2PRFIN20090615_062701_000000262079_00492_38121_3292.N1	15-JUN-2009 06:27:01	Tw_i_and_stray	25.500	53	43Bet And	2.0480	3300.0	51	38121	No
53	GOM_NL__2PRFIN20090615_064606_000000342079_00492_38121_3293.N1	15-JUN-2009 06:46:06	Dark	33.500	52	16Bet Cet	2.0370	4500.0	67	38121	No
54	GOM_NL__2PRFIN20090615_065832_000000352079_00493_38122_3295.N1	15-JUN-2009 06:58:32	Dark	34.500	63	Bet Gru	2.1500	2800.0	69	38122	No
55	GOM_NL__2PRFIN20090615_070035_000000352079_00493_38122_3296.N1	15-JUN-2009 07:00:35	Dark	35.000	31	Alp Gru	1.7340	15200.	70	38122	No
56	GOM_NL__2PRFIN20090615_070228_000000422079_00493_38122_3297.N1	15-JUN-2009 07:02:28	Straylight	42.000	172	Gam Gru	3.0030	13100.	84	38122	No
57	GOM_NL__2PRFIN20090615_071439_000000342079_00493_38122_3298.N1	15-JUN-2009 07:14:39	Tw_i_and_stray	33.500	103	38Zet Sgr	2.6000	9700.0	67	38122	No
58	GOM_NL__2PRFIN20090615_071608_000000342079_00493_38122_3299.N1	15-JUN-2009 07:16:08	Tw_i_and_stray	33.500	57	34Sig Sgr	2.0660	26000.	67	38122	No
59	GOM_NL__2PRFIN20090615_072736_000000322079_00493_38122_3300.N1	15-JUN-2009 07:27:36	Bright	31.500	126	60Bet Oph	2.7700	4250.0	63	38122	No
60	GOM_NL__2PRFIN20090615_073007_000000322079_00493_38122_3301.N1	15-JUN-2009 07:30:07	Bright	31.500	59	55Alp Oph	2.0800	8900.0	63	38122	No
61	GOM_NL__2PRFIN20090615_074055_000000292079_00493_38122_3302.N1	15-JUN-2009 07:40:55	Tw_i_and_stray	29.000	5	3Alp Lyr	0.033000	11000.	58	38122	No
62	GOM_NL__2PRFIN20090615_074157_000000292079_00493_38122_3303.N1	15-JUN-2009 07:41:57	Bright	29.000	130	23Bet Dra	2.7990	5800.0	58	38122	No
63	GOM_NL__2PRFIN20090615_075224_000000322079_00493_38122_3304.N1	15-JUN-2009 07:52:24	Tw_i_and_stray	31.500	89	5Alp Cep	2.4510	8000.0	63	38122	No
64	GOM_NL__2PRFIN20090615_075847_000000272079_00493_38122_3305.N1	15-JUN-2009 07:58:47	Tw_i_and_stray	26.500	74	11Bet Cas	2.2680	6600.0	53	38122	No
65	GOM_NL__2PRFIN20090615_080010_000000252079_00493_38122_3306.N1	15-JUN-2009 08:00:10	Tw_i_and_stray	25.000	68	18Alp Cas	2.2250	4500.0	50	38122	No
66	GOM_NL__2PRFIN20090615_080737_000000262079_00493_38122_3307.N1	15-JUN-2009 08:07:37	Tw_i_and_stray	25.500	53	43Bet And	2.0480	3300.0	51	38122	No
67	GOM_NL__2PRFIN20090615_082643_000000342079_00493_38122_3308.N1	15-JUN-2009 08:26:43	Dark	33.500	52	16Bet Cet	2.0370	4500.0	67	38122	No
68	GOM_NL__2PRFIN20090615_083909_000000342079_00494_38123_3309.N1	15-JUN-2009 08:39:09	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38123	No
69	GOM_NL__2PRFIN20090615_084112_000000352079_00494_38123_3310.N1	15-JUN-2009 08:41:12	Dark	34.500	31	Alp Gru	1.7340	15200.	69	38123	No
70	GOM_NL__2PRFIN20090615_084305_000000422079_00494_38123_3311.N1	15-JUN-2009 08:43:05	Straylight	42.000	172	Gam Gru	3.0030	13100.	84	38123	No
71	GOM_NL__2PRFIN20090615_085516_000000342079_00494_38123_3312.N1	15-JUN-2009 08:55:16	Tw_i_and_stray	33.500	103	38Zet Sgr	2.6000	9700.0	67	38123	No
72	GOM_NL__2PRFIN20090615_085645_000000342079_00494_38123_3313.N1	15-JUN-2009 08:56:45	Tw_i_and_stray	33.500	57	34Sig Sgr	2.0660	26000.	67	38123	No
73	GOM_NL__2PRFIN20090615_090812_000000322079_00494_38123_3314.N1	15-JUN-2009 09:08:12	Bright	31.500	126	60Bet Oph	2.7700	4250.0	63	38123	No
74	GOM_NL__2PRFIN20090615_091043_000000322079_00494_38123_3315.N1	15-JUN-2009 09:10:43	Bright	31.500	59	55Alp Oph	2.0800	8900.0	63	38123	No
75	GOM_NL__2PRFIN20090615_092130_000000292079_00494_38123_3316.N1	15-JUN-2009 09:21:30	Tw_i_and_stray	29.000	5	3Alp Lyr	0.033000	11000.	58	38123	No
76	GOM_NL__2PRFIN20090615_092233_000000292079_00494_38123_3317.N1	15-JUN-2009 09:22:33	Bright	29.000	130	23Bet Dra	2.7990	5800.0	58	38123	No
77	GOM_NL__2PRFIN20090615_093259_000000322079_00494_38123_3318.N1	15-JUN-2009 09:32:59	Tw_i_and_stray	31.500	89	5Alp Cep	2.4510	8000.0	63	38123	No
78	GOM_NL__2PRFIN20090615_093923_000000272079_00494_38123_3319.N1	15-JUN-2009 09:39:23	Tw_i_and_stray	26.500	74	11Bet Cas	2.2680	6600.0	53	38123	No
79	GOM_NL__2PRFIN20090615_094045_000000262079_00494_38123_3320.N1	15-JUN-2009 09:40:45	Tw_i_and_stray	25.500	68	18Alp Cas	2.2250	4500.0	51	38123	No
80	GOM_NL__2PRFIN20090615_094813_000000262079_00494_38123_3321.N1	15-JUN-2009 09:48:13	Tw_i_and_stray	25.500	53	43Bet And	2.0480	3300.0	51	38123	No
81	GOM_NL__2PRFIN20090615_100720_000000342079_00494_38123_3322.N1	15-JUN-2009 10:07:20	Dark	33.500	52	16Bet Cet	2.0370	4500.0	67	38123	No
82	GOM_NL__2PRFIN20090615_101946_000000342079_00495_38124_3323.N1	15-JUN-2009 10:19:46	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38124	No
83	GOM_NL__2PRFIN20090615_102149_000000342079_00495_38124_3324.N1	15-JUN-2009 10:21:49	Dark	34.000	31	Alp Gru	1.7340	15200.	68	38124	No
84	GOM_NL__2PRFIN20090615_102343_000000422079_00495_38124_3325.N1	15-JUN-2009 10:23:43	Straylight	42.000	172	Gam Gru	3.0030	13100.	84	38124	No
85	GOM_NL__2PRFIN20090615_103552_000000342079_00495_38124_3326.N1	15-JUN-2009 10:35:52	Tw_i_and_stray	33.500	103	38Zet Sgr	2.6000	9700.0	67	38124	No
86	GOM_NL__2PRFIN20090615_103721_000000342079_00495_38124_3327.N1	15-JUN-2009 10:37:21	Tw_i_and_stray	33.500	57	34Sig Sgr	2.0660	26000.	67	38124	No
87	GOM_NL__2PRFIN20090615_104847_000000322079_00495_38124_3328.N1	15-JUN-2009 10:48:47	Bright	31.500	126	60Bet Oph	2.7700	4250.0	63	38124	No
88	GOM_NL__2PRFIN20090615_105119_000000322079_00495_38124_3329.N1	15-JUN-2009 10:51:19	Bright	31.500	59	55Alp Oph	2.0800	8900.0	63	38124	No
89	GOM_NL__2PRFIN20090615_110205_000000352079_00495_38124_3330.N1	15-JUN-2009 11:02:05	Tw_i_and_stray	35.000	5	3Alp Lyr	0.033000	11000.	70	38124	No
90	GOM_NL__2PRFIN20090615_110308_000000292079_00495_38124_3331.N1	15-JUN-2009 11:03:08	Bright	29.000	130	23Bet Dra	2.7990	5800.0	58	38124	No
91	GOM_NL__2PRFIN20090615_111335_000000322079_00495_38124_3332.N1	15-JUN-2009 11:13:35	Tw_i_and_stray	31.500	89	5Alp Cep	2.4510	8000.0	63	38124	No
92	GOM_NL__2PRFIN20090615_111958_000000272079_00495_38124_3333.N1	15-JUN-2009 11:19:58	Tw_i_and_stray	26.500	74	11Bet Cas	2.2680	6600.0	53	38124	No
93	GOM_NL__2PRFIN20090615_112121_000000262079_00495_38124_3334.N1	15-JUN-2009 11:21:21	Tw_i_and_stray	25.500	68	18Alp Cas	2.2250	4500.0	51	38124	No
94	GOM_NL__2PRFIN20090615_112849_000000262079_00495_38124_3335.N1	15-JUN-2009 11:28:49	Tw_i_and_stray	26.000	53	43Bet And	2.0480	3300.0	52	38124	No
95	GOM_NL__2PRFIN20090615_114757_000000332079_00495_38124_3336.N1	15-JUN-2009 11:47:57	Dark	33.000	52	16Bet Cet	2.0370	4500.0	66	38124	No
96	GOM_NL__2PRFIN20090615_120023_000000342079_00496_38125_3337.N1	15-JUN-2009 12:00:23	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38125	No
97	GOM_NL__2PRFIN20090615_120226_000000342079_00496_38125_3338.N1	15-JUN-2009 12:02:26	Dark	34.000	31	Alp Gru	1.7340	15200.	68	38125	No
98	GOM_NL__2PRFIN20090615_120420_000000422079_00496_38125_3339.N1	15-JUN-2009 12:04:20	Straylight	42.000	172	Gam Gru	3.0030	13100.	84	38125	No
99	GOM_NL__2PRFIN20090615_121628_000000342079_00496_38125_3340.N1	15-JUN-2009 12:16:28	Tw_i_and_stray	33.500	103	38Zet Sgr	2.6000	9700.0	67	38125	No
100	GOM_NL__2PRFIN20090615_121757_000000342079_00496_38125_3341.N1	15-JUN-2009 12:17:57	Tw_i_and_stray	33.500	57	34Sig Sgr	2.0660	26000.	67	38125	No
101	GOM_NL__2PRFIN20090615_122923_000000322079_00496_38125_3342.N1	15-JUN-2009 12:29:23	Bright	31.500	126	60Bet Oph	2.7700	4250.0	63	38125	No

102	GOM_NL__2PRFIN20090615_123154_000000312079_00496_38125_3343.N1	15-JUN-2009 12:31:54	Bright	31.000	59	55Alp Oph	2.0800	8900.0	62	38125	No
103	GOM_NL__2PRFIN20090615_124240_000000352079_00496_38125_3344.N1	15-JUN-2009 12:42:40	Twi_and_stray	35.000	5	3Alp Lyr	0.033000	11000.	70	38125	No
104	GOM_NL__2PRFIN20090615_124344_000000292079_00496_38125_3345.N1	15-JUN-2009 12:43:44	Bright	29.000	130	23Bet Dra	2.7990	5800.0	58	38125	No
105	GOM_NL__2PRFIN20090615_125410_000000322079_00496_38125_3346.N1	15-JUN-2009 12:54:10	Twi_and_stray	31.500	89	5Alp Cep	2.4510	8000.0	63	38125	No
106	GOM_NL__2PRFIN20090615_130034_000000272079_00496_38125_3347.N1	15-JUN-2009 13:00:34	Twi_and_stray	26.500	74	11Bet Cas	2.2680	6600.0	53	38125	No
107	GOM_NL__2PRFIN20090615_130156_000000262079_00496_38125_3348.N1	15-JUN-2009 13:01:56	Twi_and_stray	25.500	68	18Alp Cas	2.2250	4500.0	51	38125	No
108	GOM_NL__2PRFIN20090615_130925_000000262079_00496_38125_3349.N1	15-JUN-2009 13:09:25	Twi_and_stray	25.500	53	43Bet And	2.0480	3300.0	51	38125	No
109	GOM_NL__2PRFIN20090615_132833_000000342079_00496_38125_3350.N1	15-JUN-2009 13:28:33	Dark	33.500	52	16Bet Cet	2.0370	4500.0	67	38125	No
110	GOM_NL__2PRFIN20090615_134100_000000342079_00497_38126_3351.N1	15-JUN-2009 13:41:00	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38126	No
111	GOM_NL__2PRFIN20090615_134303_000000352079_00497_38126_3352.N1	15-JUN-2009 13:43:03	Dark	34.500	31	Alp Gru	1.7340	15200.	69	38126	No
112	GOM_NL__2PRFIN20090615_134457_000000422079_00497_38126_3353.N1	15-JUN-2009 13:44:57	Straylight	42.000	172	Gam Gru	3.0030	13100.	84	38126	No
113	GOM_NL__2PRFIN20090615_135704_000000342079_00497_38126_3354.N1	15-JUN-2009 13:57:04	Twi_and_stray	33.500	103	38Zet Sgr	2.6000	9700.0	67	38126	No
114	GOM_NL__2PRFIN20090615_135833_000000342079_00497_38126_3355.N1	15-JUN-2009 13:58:33	Twi_and_stray	33.500	57	34Sig Sgr	2.0660	26000.	67	38126	No
115	GOM_NL__2PRFIN20090615_140959_000000322079_00497_38126_3356.N1	15-JUN-2009 14:09:59	Bright	31.500	126	60Bet Oph	2.7700	4250.0	63	38126	No
116	GOM_NL__2PRFIN20090615_141230_000000322079_00497_38126_3357.N1	15-JUN-2009 14:12:30	Bright	31.500	59	55Alp Oph	2.0800	8900.0	63	38126	No
117	GOM_NL__2PRFIN20090615_142420_000000292079_00497_38126_3358.N1	15-JUN-2009 14:24:20	Bright	29.000	130	23Bet Dra	2.7990	5800.0	58	38126	No
118	GOM_NL__2PRFIN20090615_143445_000000322079_00497_38126_3359.N1	15-JUN-2009 14:34:45	Twi_and_stray	31.500	89	5Alp Cep	2.4510	8000.0	63	38126	No
119	GOM_NL__2PRFIN20090615_144109_000000272079_00497_38126_3360.N1	15-JUN-2009 14:41:09	Twi_and_stray	26.500	74	11Bet Cas	2.2680	6600.0	53	38126	No
120	GOM_NL__2PRFIN20090615_144232_000000262079_00497_38126_3361.N1	15-JUN-2009 14:42:32	Twi_and_stray	25.500	68	18Alp Cas	2.2250	4500.0	51	38126	No
121	GOM_NL__2PRFIN20090615_145001_000000262079_00497_38126_3362.N1	15-JUN-2009 14:50:01	Twi_and_stray	25.500	53	43Bet And	2.0480	3300.0	51	38126	No
122	GOM_NL__2PRFIN20090615_150911_000000342079_00497_38126_3363.N1	15-JUN-2009 15:09:11	Dark	33.500	52	16Bet Cet	2.0370	4500.0	67	38126	No
123	GOM_NL__2PRFIN20090615_152137_000000342079_00498_38127_3365.N1	15-JUN-2009 15:21:37	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38127	No
124	GOM_NL__2PRFIN20090615_152340_000000352079_00498_38127_3366.N1	15-JUN-2009 15:23:40	Dark	34.500	31	Alp Gru	1.7340	15200.	69	38127	No
125	GOM_NL__2PRFIN20090615_152534_000000422079_00498_38127_3367.N1	15-JUN-2009 15:25:34	Straylight	42.000	172	Gam Gru	3.0030	13100.	84	38127	No
126	GOM_NL__2PRFIN20090615_153741_000000342079_00498_38127_3368.N1	15-JUN-2009 15:37:41	Twi_and_stray	33.500	103	38Zet Sgr	2.6000	9700.0	67	38127	No
127	GOM_NL__2PRFIN20090615_153909_000000342079_00498_38127_3369.N1	15-JUN-2009 15:39:09	Twi_and_stray	34.000	57	34Sig Sgr	2.0660	26000.	68	38127	No
128	GOM_NL__2PRFIN20090615_155034_000000312079_00498_38127_3370.N1	15-JUN-2009 15:50:34	Bright	31.000	126	60Bet Oph	2.7700	4250.0	62	38127	No
129	GOM_NL__2PRFIN20090615_155305_000000312079_00498_38127_3371.N1	15-JUN-2009 15:53:05	Bright	31.000	59	55Alp Oph	2.0800	8900.0	62	38127	No
130	GOM_NL__2PRFIN20090615_160455_000000292079_00498_38127_3372.N1	15-JUN-2009 16:04:55	Bright	29.000	130	23Bet Dra	2.7990	5800.0	58	38127	No
131	GOM_NL__2PRFIN20090615_161520_000000322079_00498_38127_3373.N1	15-JUN-2009 16:15:20	Twi_and_stray	31.500	89	5Alp Cep	2.4510	8000.0	63	38127	No
132	GOM_NL__2PRFIN20090615_162145_000000272079_00498_38127_3374.N1	15-JUN-2009 16:21:45	Twi_and_stray	26.500	74	11Bet Cas	2.2680	6600.0	53	38127	No
133	GOM_NL__2PRFIN20090615_162308_000000262079_00498_38127_3375.N1	15-JUN-2009 16:23:08	Twi_and_stray	25.500	68	18Alp Cas	2.2250	4500.0	51	38127	No
134	GOM_NL__2PRFIN20090615_163037_000000262079_00498_38127_3376.N1	15-JUN-2009 16:30:37	Twi_and_stray	25.500	53	43Bet And	2.0480	3300.0	51	38127	No
135	GOM_NL__2PRFIN20090615_164947_000000342079_00498_38127_3377.N1	15-JUN-2009 16:49:47	Dark	33.500	52	16Bet Cet	2.0370	4500.0	67	38127	No
136	GOM_NL__2PRFIN20090615_170214_000000342079_00499_38128_3380.N1	15-JUN-2009 17:02:14	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38128	No
137	GOM_NL__2PRFIN20090615_170417_000000352079_00499_38128_3381.N1	15-JUN-2009 17:04:17	Dark	34.500	31	Alp Gru	1.7340	15200.	69	38128	No
138	GOM_NL__2PRFIN20090615_170612_000000422079_00499_38128_3382.N1	15-JUN-2009 17:06:12	Straylight	41.500	172	Gam Gru	3.0030	13100.	83	38128	No
139	GOM_NL__2PRFIN20090615_171818_000000342079_00499_38128_3383.N1	15-JUN-2009 17:18:18	Twi_and_stray	33.500	103	38Zet Sgr	2.6000	9700.0	67	38128	No
140	GOM_NL__2PRFIN20090615_171946_000000342079_00499_38128_3384.N1	15-JUN-2009 17:19:46	Twi_and_stray	34.000	57	34Sig Sgr	2.0660	26000.	68	38128	No
141	GOM_NL__2PRFIN20090615_173110_000000322079_00499_38128_3385.N1	15-JUN-2009 17:31:10	Bright	31.500	126	60Bet Oph	2.7700	4250.0	63	38128	No
142	GOM_NL__2PRFIN20090615_173341_000000322079_00499_38128_3386.N1	15-JUN-2009 17:33:41	Bright	31.500	59	55Alp Oph	2.0800	8900.0	63	38128	No
143	GOM_NL__2PRFIN20090615_174531_000000292079_00499_38128_3387.N1	15-JUN-2009 17:45:31	Bright	29.000	130	23Bet Dra	2.7990	5800.0	58	38128	No
144	GOM_NL__2PRFIN20090615_175556_000000322079_00499_38128_3388.N1	15-JUN-2009 17:55:56	Twi_and_stray	31.500	89	5Alp Cep	2.4510	8000.0	63	38128	No
145	GOM_NL__2PRFIN20090615_180221_000000272079_00499_38128_3389.N1	15-JUN-2009 18:02:21	Twi_and_stray	26.500	74	11Bet Cas	2.2680	6600.0	53	38128	No
146	GOM_NL__2PRFIN20090615_180344_000000262079_00499_38128_3390.N1	15-JUN-2009 18:03:44	Twi_and_stray	25.500	68	18Alp Cas	2.2250	4500.0	51	38128	No
147	GOM_NL__2PRFIN20090615_181113_000000262079_00499_38128_3391.N1	15-JUN-2009 18:11:13	Twi_and_stray	25.500	53	43Bet And	2.0480	3300.0	51	38128	No
148	GOM_NL__2PRFIN20090615_183025_000000342079_00499_38128_3392.N1	15-JUN-2009 18:30:25	Dark	33.500	52	16Bet Cet	2.0370	4500.0	67	38128	No
149	GOM_NL__2PRFIN20090615_184251_000000342079_00500_38129_3395.N1	15-JUN-2009 18:42:51	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38129	No
150	GOM_NL__2PRFIN20090615_184454_000000352079_00500_38129_3396.N1	15-JUN-2009 18:44:54	Dark	34.500	31	Alp Gru	1.7340	15200.	69	38129	No
151	GOM_NL__2PRFIN20090615_184649_000000422079_00500_38129_3397.N1	15-JUN-2009 18:46:49	Straylight	42.000	172	Gam Gru	3.0030	13100.	84	38129	No
152	GOM_NL__2PRFIN20090615_185854_000000342079_00500_38129_3398.N1	15-JUN-2009 18:58:54	Twi_and_stray	33.500	103	38Zet Sgr	2.6000	9700.0	67	38129	No
153	GOM_NL__2PRFIN20090615_190022_000000342079_00500_38129_3399.N1	15-JUN-2009 19:00:22	Twi_and_stray	34.000	57	34Sig Sgr	2.0660	26000.	68	38129	No
154	GOM_NL__2PRFIN20090615_191146_000000322079_00500_38129_3400.N1	15-JUN-2009 19:11:46	Bright	31.500	126	60Bet Oph	2.7700	4250.0	63	38129	No
155	GOM_NL__2PRFIN20090615_191417_000000312079_00500_38129_3401.N1	15-JUN-2009 19:14:17	Bright	31.000	59	55Alp Oph	2.0800	8900.0	62	38129	No
156	GOM_NL__2PRFIN20090615_192606_000000292079_00500_38129_3402.N1	15-JUN-2009 19:26:06	Bright	29.000	130	23Bet Dra	2.7990	5800.0	58	38129	No
157	GOM_NL__2PRFIN20090615_193631_000000322079_00500_38129_3403.N1	15-JUN-2009 19:36:31	Twi_and_stray	31.500	89	5Alp Cep	2.4510	8000.0	63	38129	No
158	GOM_NL__2PRFIN20090615_194256_000000272079_00500_38129_3404.N1	15-JUN-2009 19:42:56	Twi_and_stray	26.500	74	11Bet Cas	2.2680	6600.0	53	38129	No
159	GOM_NL__2PRFIN20090615_194419_000000262079_00500_38129_3405.N1	15-JUN-2009 19:44:19	Twi_and_stray	25.500	68	18Alp Cas	2.2250	4500.0	51	38129	No
160	GOM_NL__2PRFIN20090615_195149_000000262079_00500_38129_3406.N1	15-JUN-2009 19:51:49	Twi_and_stray	25.500	53	43Bet And	2.0480	3300.0	51	38129	No

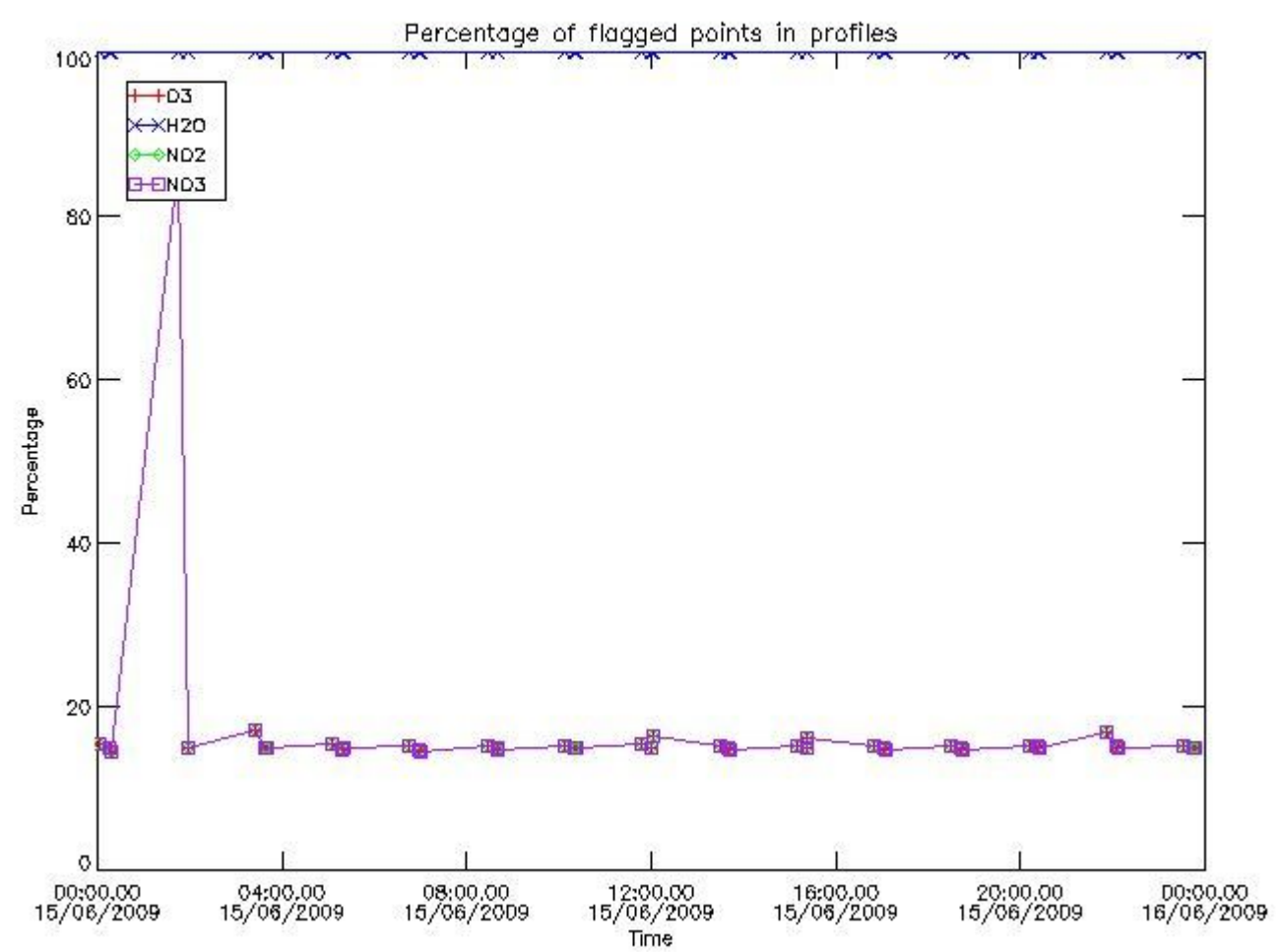


161	GOM_NL__2PRFIN20090615_201101_000000342079_00500_38129_3407.N1	15-JUN-2009 20:11:01	Dark	33.500	52	16Bet Cet	2.0370	4500.0	67	38129	No
162	GOM_NL__2PRFIN20090615_202328_000000342079_00501_38130_3444.N1	15-JUN-2009 20:23:28	Dark	33.500	63	Bet Gru	2.1500	2800.0	67	38130	No
163	GOM_NL__2PRFIN20090615_202531_000000342079_00501_38130_3445.N1	15-JUN-2009 20:25:31	Dark	34.000	31	Alp Gru	1.7340	15200.	68	38130	No
164	GOM_NL__2PRFIN20090615_202726_000000422079_00501_38130_3446.N1	15-JUN-2009 20:27:26	Straylight	41.500	172	Gam Gru	3.0030	13100.	83	38130	No
165	GOM_NL__2PRFIN20090615_203930_000000342079_00501_38130_3447.N1	15-JUN-2009 20:39:30	Twilight_stray	33.500	103	38Zet Sgr	2.6000	9700.0	67	38130	No
166	GOM_NL__2PRFIN20090615_204058_000000342079_00501_38130_3448.N1	15-JUN-2009 20:40:58	Twilight_stray	33.500	57	34Sig Sgr	2.0660	26000.	67	38130	No
167	GOM_NL__2PRFIN20090615_205221_000000322079_00501_38130_3449.N1	15-JUN-2009 20:52:21	Bright	31.500	126	60Bet Oph	2.7700	4250.0	63	38130	No
168	GOM_NL__2PRFIN20090615_205453_000000312079_00501_38130_3450.N1	15-JUN-2009 20:54:53	Bright	31.000	59	55Alp Oph	2.0800	8900.0	62	38130	No
169	GOM_NL__2PRFIN20090615_210643_000000282079_00501_38130_3451.N1	15-JUN-2009 21:06:43	Bright	27.500	130	23Bet Dra	2.7990	5800.0	55	38130	No
170	GOM_NL__2PRFIN20090615_211706_000000322079_00501_38130_3452.N1	15-JUN-2009 21:17:06	Twilight_stray	31.500	89	5Alp Cep	2.4510	8000.0	63	38130	No
171	GOM_NL__2PRFIN20090615_212332_000000272079_00501_38130_3453.N1	15-JUN-2009 21:23:32	Twilight_stray	26.500	74	11Bet Cas	2.2680	6600.0	53	38130	No
172	GOM_NL__2PRFIN20090615_212455_000000262079_00501_38130_3454.N1	15-JUN-2009 21:24:55	Twilight_stray	25.500	68	18Alp Cas	2.2250	4500.0	51	38130	No
173	GOM_NL__2PRFIN20090615_213225_000000262079_00501_38130_3455.N1	15-JUN-2009 21:32:25	Twilight_stray	25.500	53	43Bet And	2.0480	3300.0	51	38130	No
174	GOM_NL__2PRFIN20090615_215138_000000342079_00501_38130_3456.N1	15-JUN-2009 21:51:38	Dark	33.500	52	16Bet Cet	2.0370	4500.0	67	38130	No
175	GOM_NL__2PRFIN20090615_220405_000000342080_00001_38131_3456.N1	15-JUN-2009 22:04:05	Dark	33.500	63	Bet Gru	2.1500	2800.0	67	38131	No
176	GOM_NL__2PRFIN20090615_220608_000000342080_00001_38131_3457.N1	15-JUN-2009 22:06:08	Dark	34.000	31	Alp Gru	1.7340	15200.	68	38131	No
177	GOM_NL__2PRFIN20090615_220803_000000422080_00001_38131_3458.N1	15-JUN-2009 22:08:03	Straylight	42.000	172	Gam Gru	3.0030	13100.	84	38131	No
178	GOM_NL__2PRFIN20090615_222007_000000342080_00001_38131_3459.N1	15-JUN-2009 22:20:07	Twilight_stray	33.500	103	38Zet Sgr	2.6000	9700.0	67	38131	No
179	GOM_NL__2PRFIN20090615_222135_000000342080_00001_38131_3460.N1	15-JUN-2009 22:21:35	Twilight_stray	34.000	57	34Sig Sgr	2.0660	26000.	68	38131	No
180	GOM_NL__2PRFIN20090615_223257_000000322080_00001_38131_3461.N1	15-JUN-2009 22:32:57	Bright	31.500	126	60Bet Oph	2.7700	4250.0	63	38131	No
181	GOM_NL__2PRFIN20090615_223528_000000312080_00001_38131_3462.N1	15-JUN-2009 22:35:28	Bright	31.000	59	55Alp Oph	2.0800	8900.0	62	38131	No
182	GOM_NL__2PRFIN20090615_224722_000000242080_00001_38131_3463.N1	15-JUN-2009 22:47:22	Bright	23.500	130	23Bet Dra	2.7990	5800.0	47	38131	No
183	GOM_NL__2PRFIN20090615_225741_000000322080_00001_38131_3464.N1	15-JUN-2009 22:57:41	Twilight_stray	31.500	89	5Alp Cep	2.4510	8000.0	63	38131	No
184	GOM_NL__2PRFIN20090615_230408_000000272080_00001_38131_3465.N1	15-JUN-2009 23:04:08	Twilight_stray	26.500	74	11Bet Cas	2.2680	6600.0	53	38131	No
185	GOM_NL__2PRFIN20090615_230531_000000262080_00001_38131_3466.N1	15-JUN-2009 23:05:31	Twilight_stray	25.500	68	18Alp Cas	2.2250	4500.0	51	38131	No
186	GOM_NL__2PRFIN20090615_231302_000000252080_00001_38131_3467.N1	15-JUN-2009 23:13:02	Twilight_stray	25.000	53	43Bet And	2.0480	3300.0	50	38131	No
187	GOM_NL__2PRFIN20090615_233216_000000342080_00001_38131_3468.N1	15-JUN-2009 23:32:16	Dark	33.500	52	16Bet Cet	2.0370	4500.0	67	38131	No
188	GOM_NL__2PRFIN20090615_234441_000000342080_00002_38132_3478.N1	15-JUN-2009 23:44:41	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38132	No
189	GOM_NL__2PRFIN20090615_234645_000000342080_00002_38132_3479.N1	15-JUN-2009 23:46:45	Dark	34.000	31	Alp Gru	1.7340	15200.	68	38132	No
190	GOM_NL__2PRFIN20090615_234840_000000432080_00002_38132_3480.N1	15-JUN-2009 23:48:40	Straylight	42.500	172	Gam Gru	3.0030	13100.	85	38132	No

### 3. Quality information per product

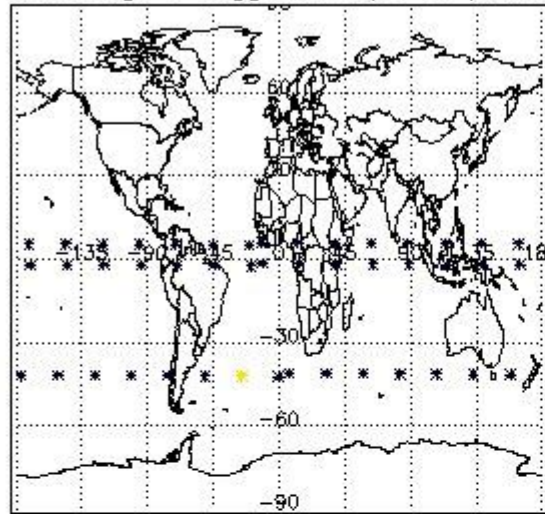
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

#### 3.1 Plot quality information per product (time dependant)

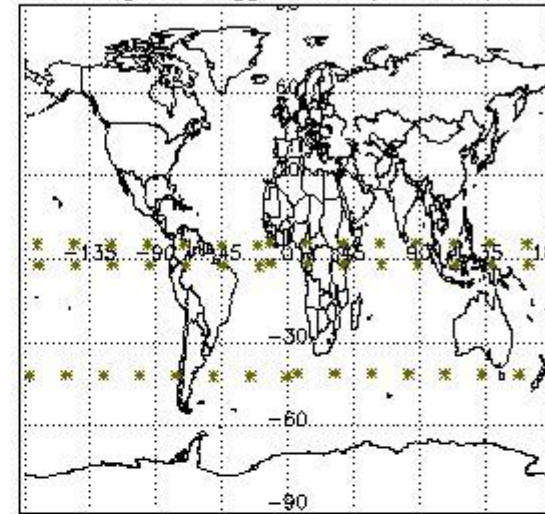


3.2 Plot quality information per product (world map)

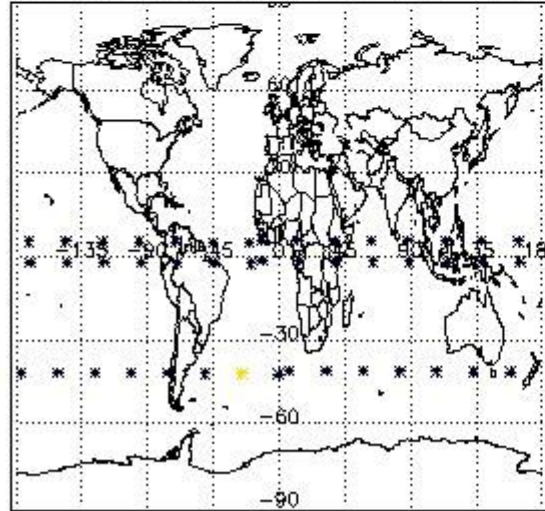
Percentage of flagged data per O3 profile



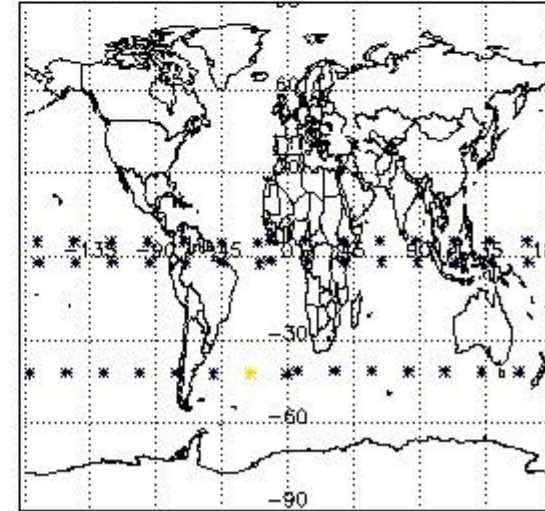
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

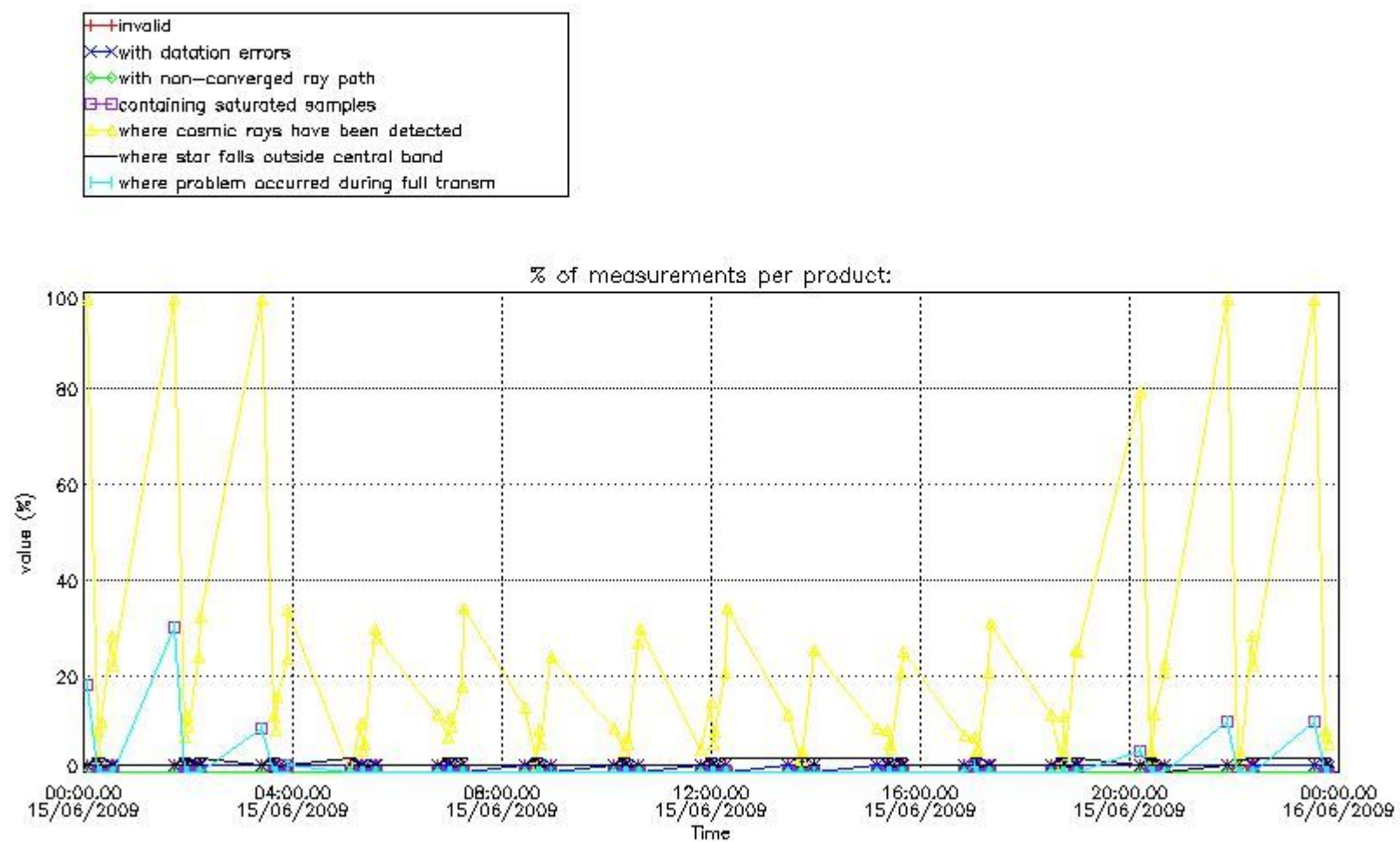


#### 4. Level 1 quality information per product

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.

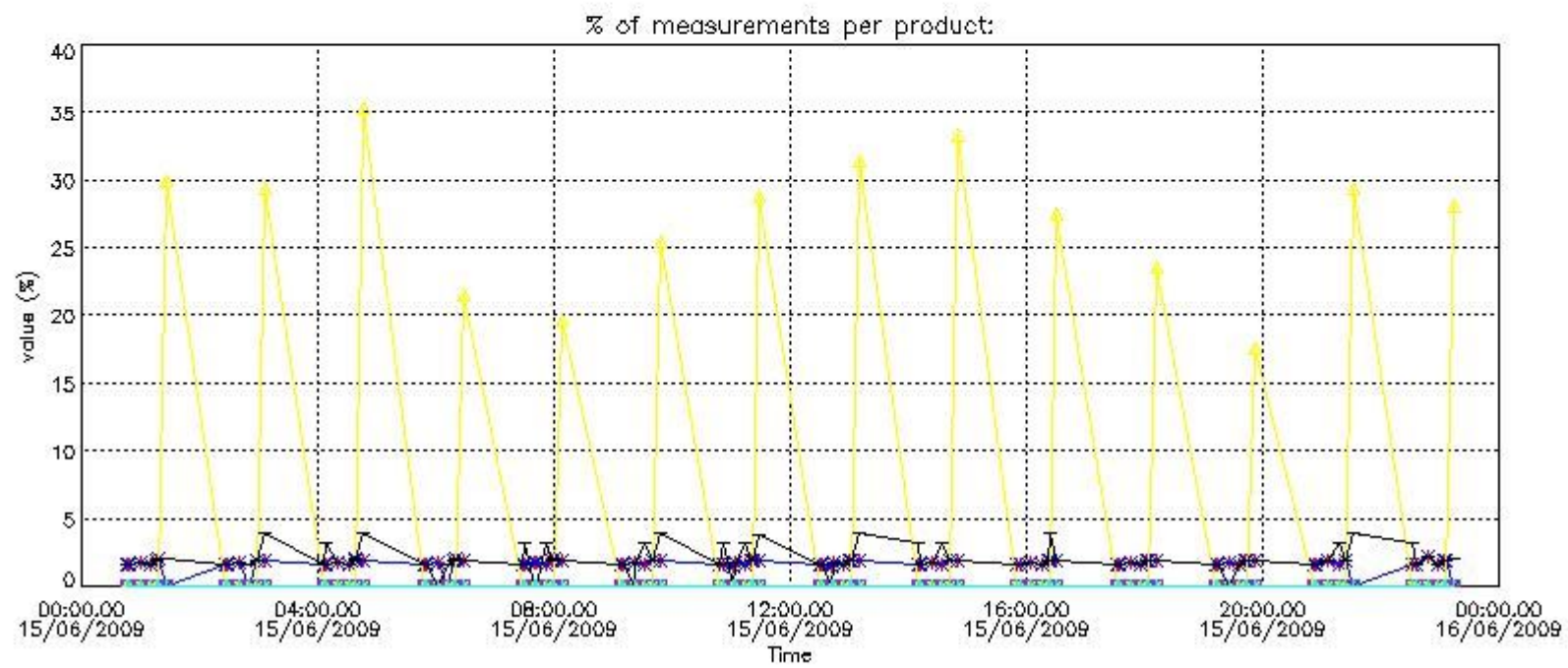
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

###### 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

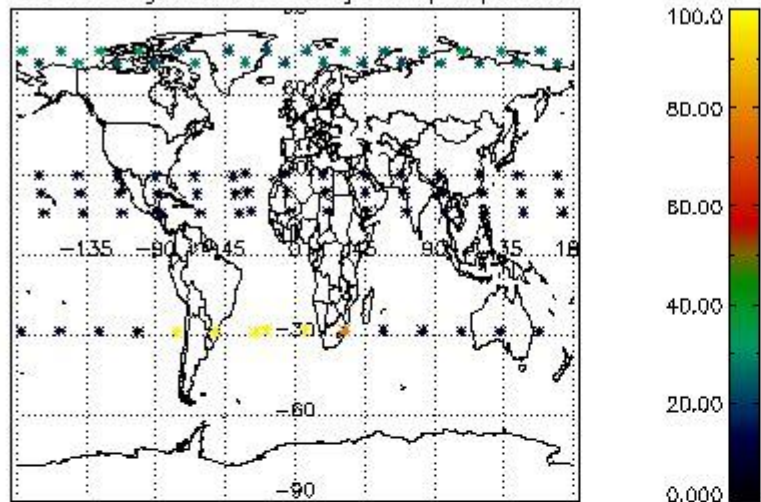




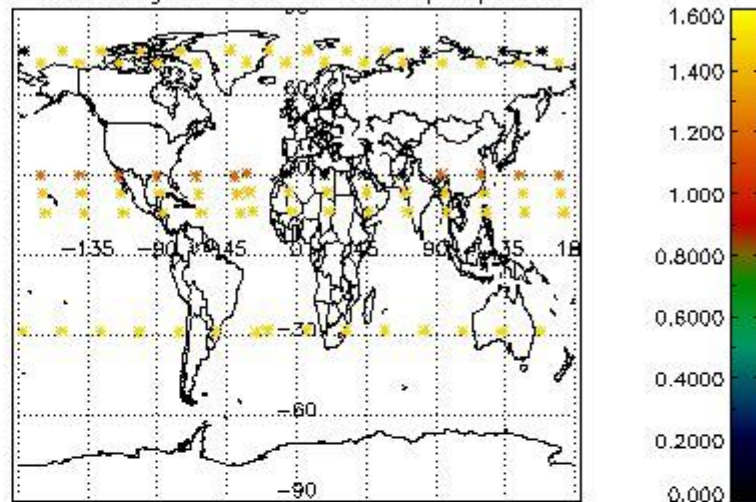
4.2 Plot quality information per product coming from level 1b processing (world map)

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

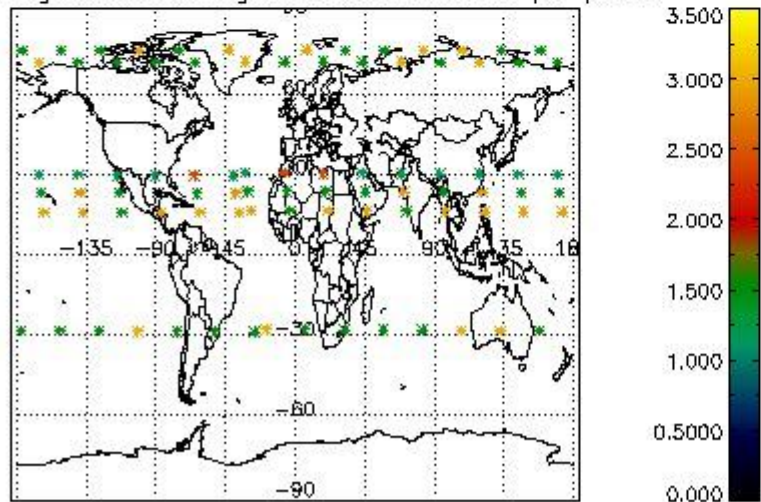
Percentage of cosmic ray hits per profile



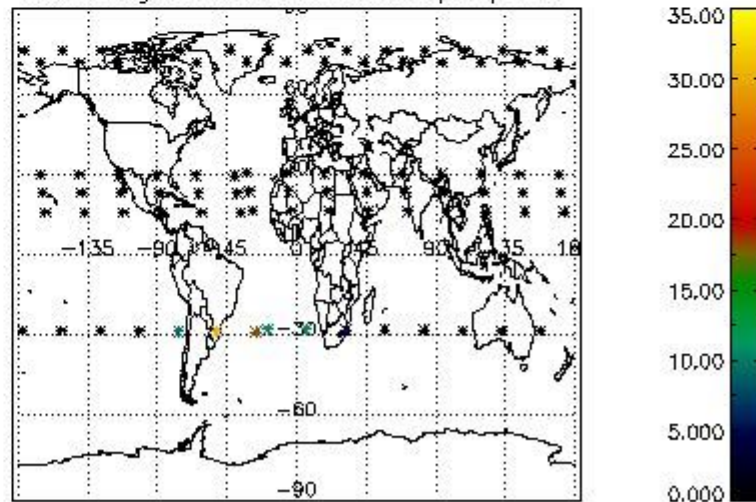
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

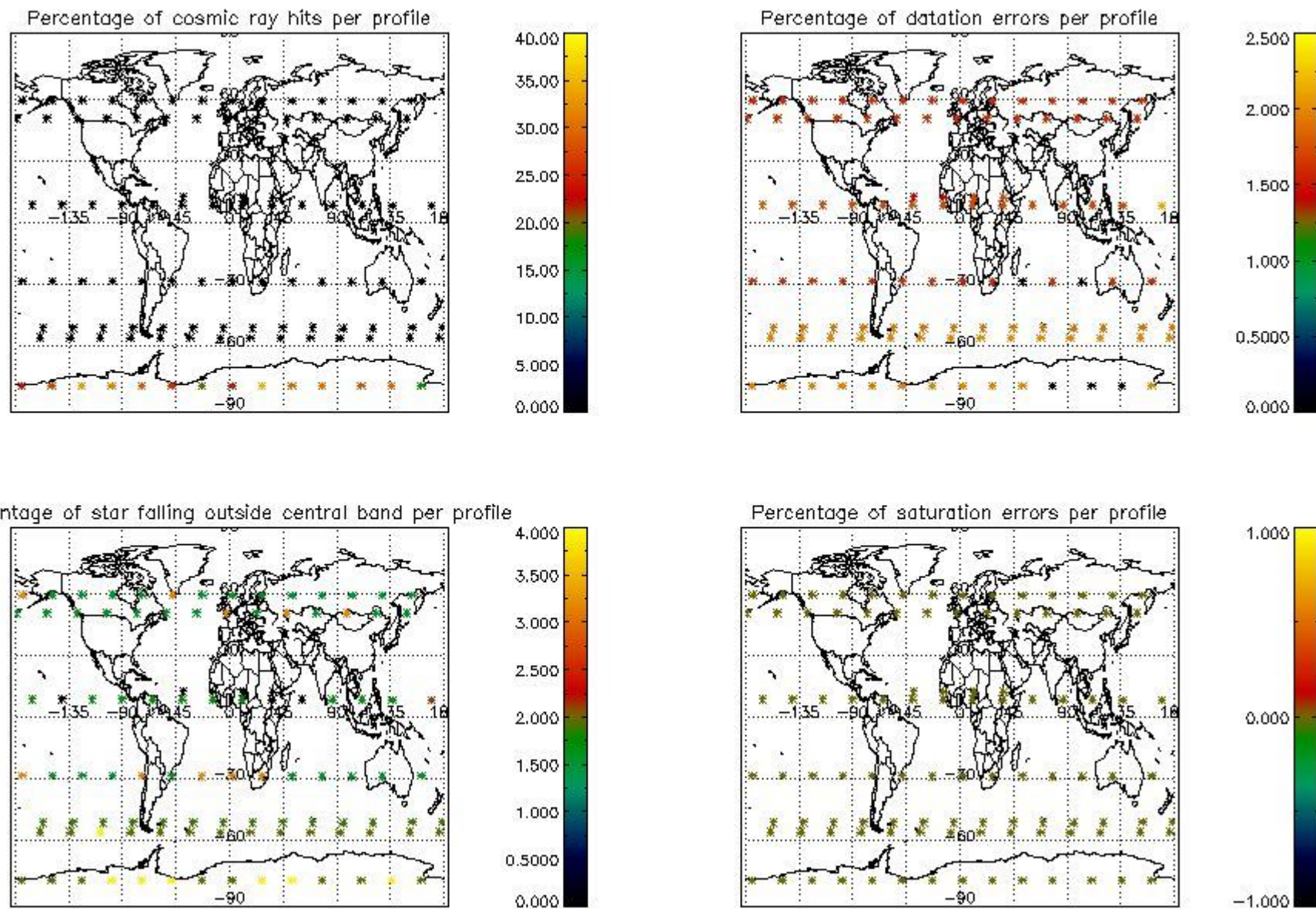


Percentage of saturation errors per profile



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

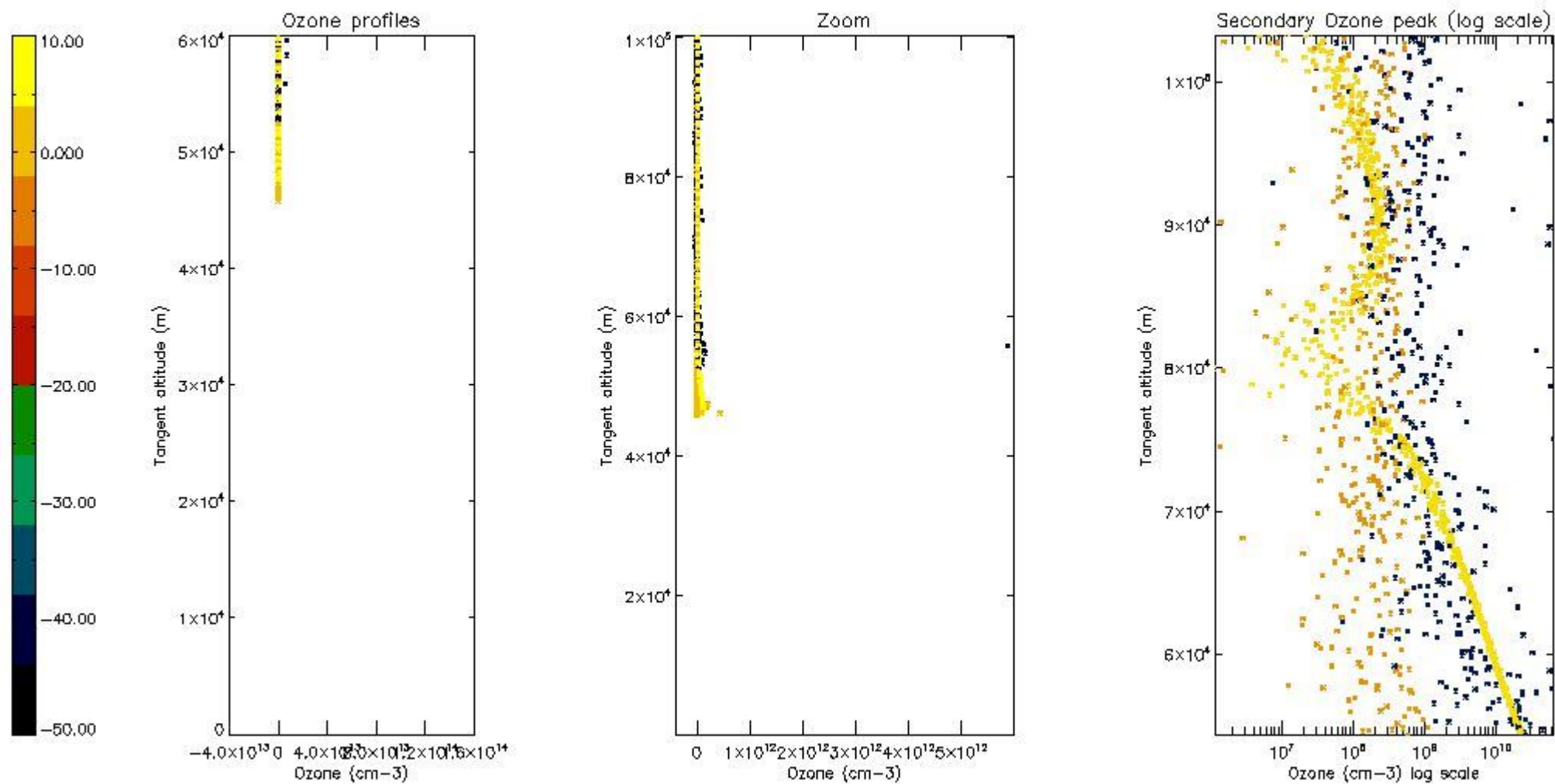
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	25
STD < 20	5

STD < 10	3
STD < 5	3

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

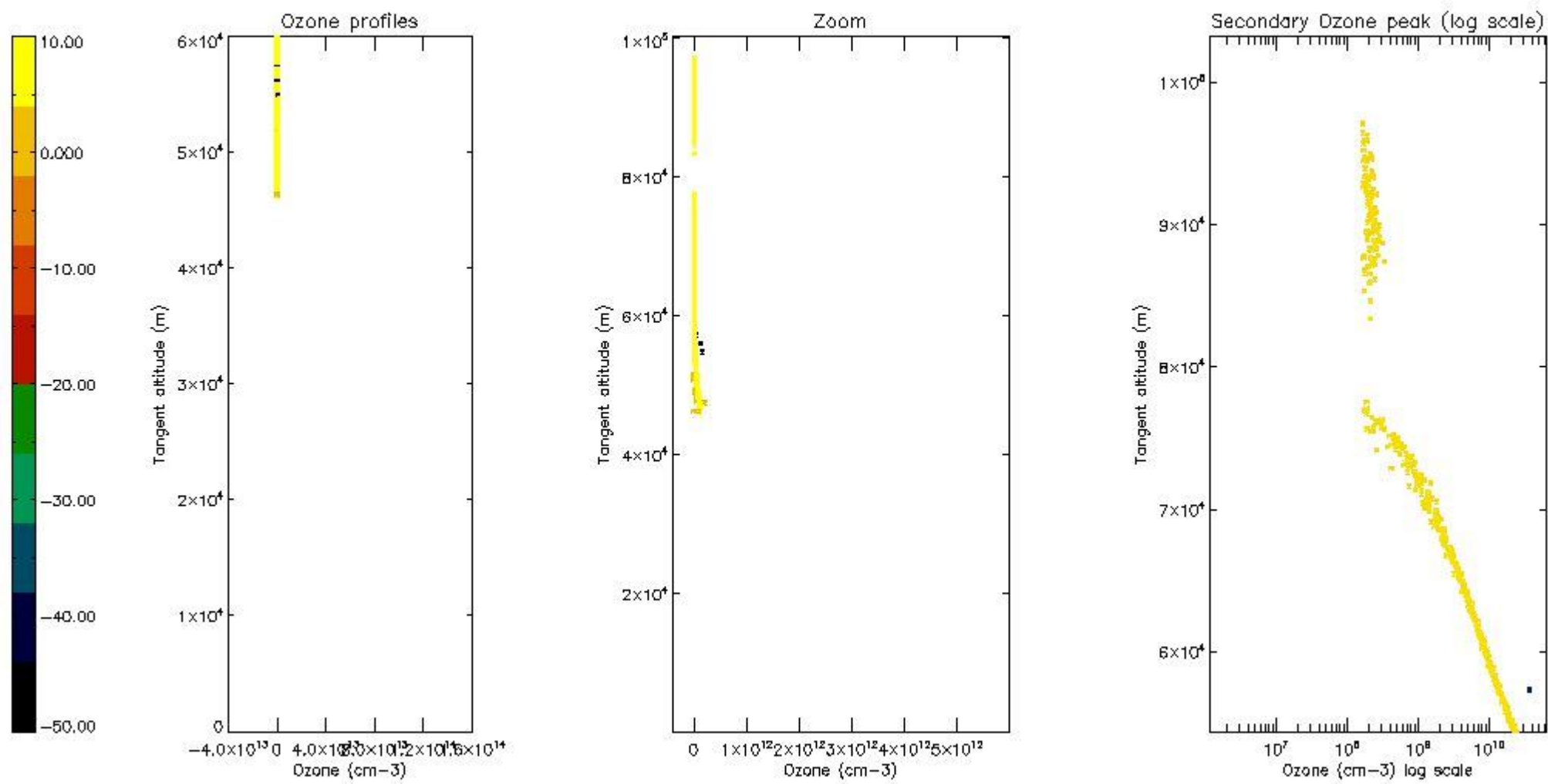
The colorbar represents the latitude.



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

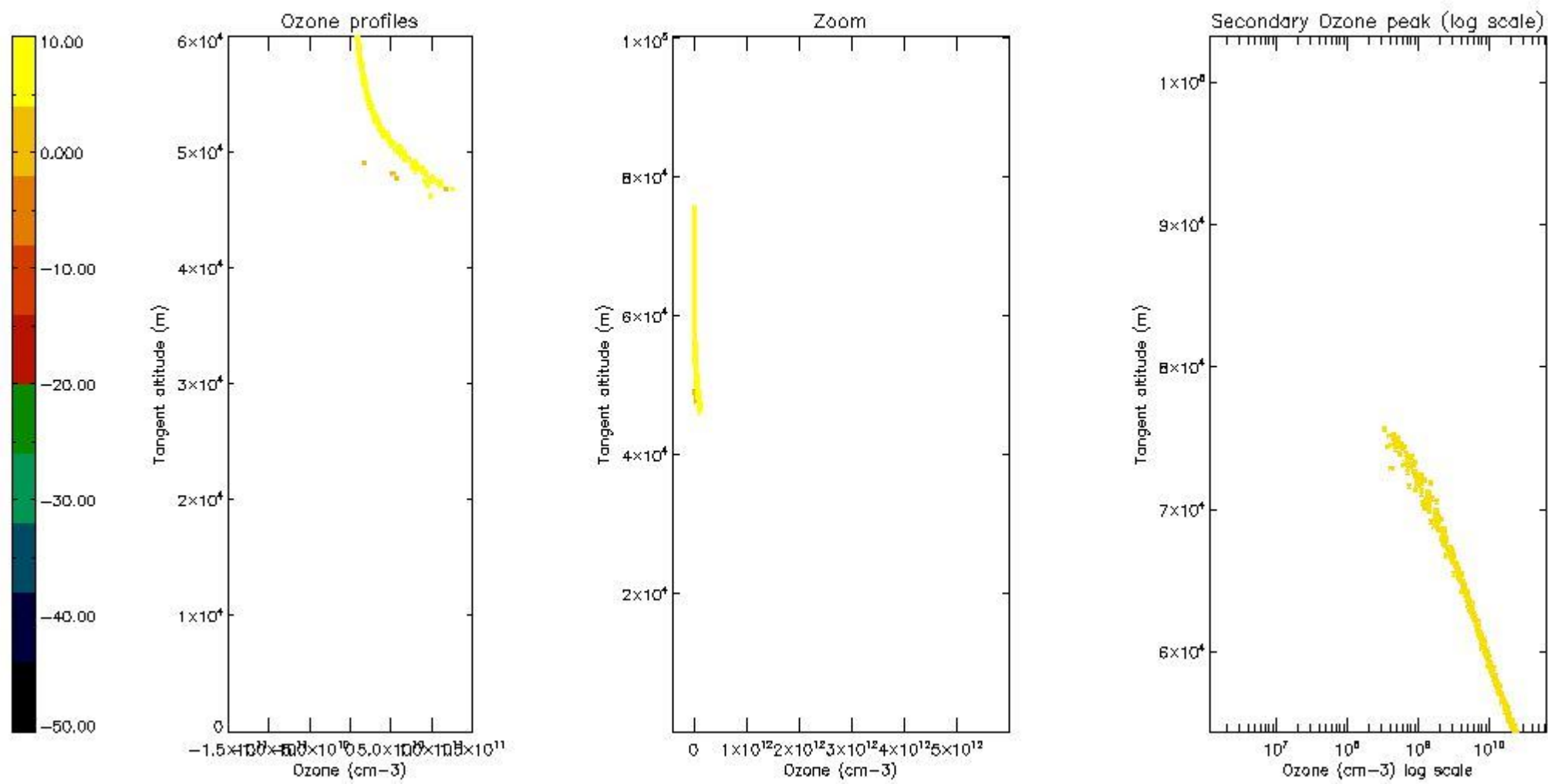
The colorbar represents the latitude.





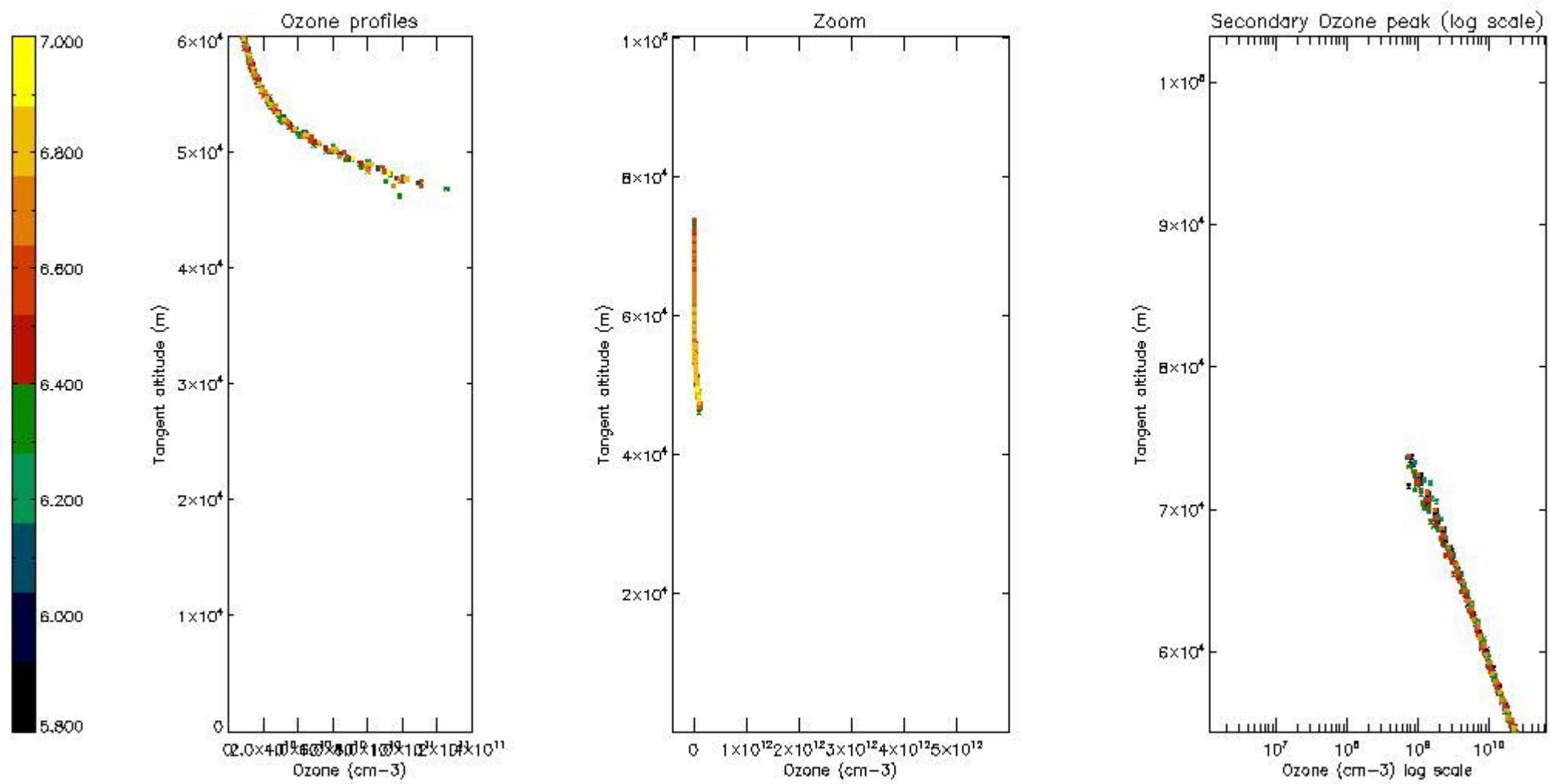
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



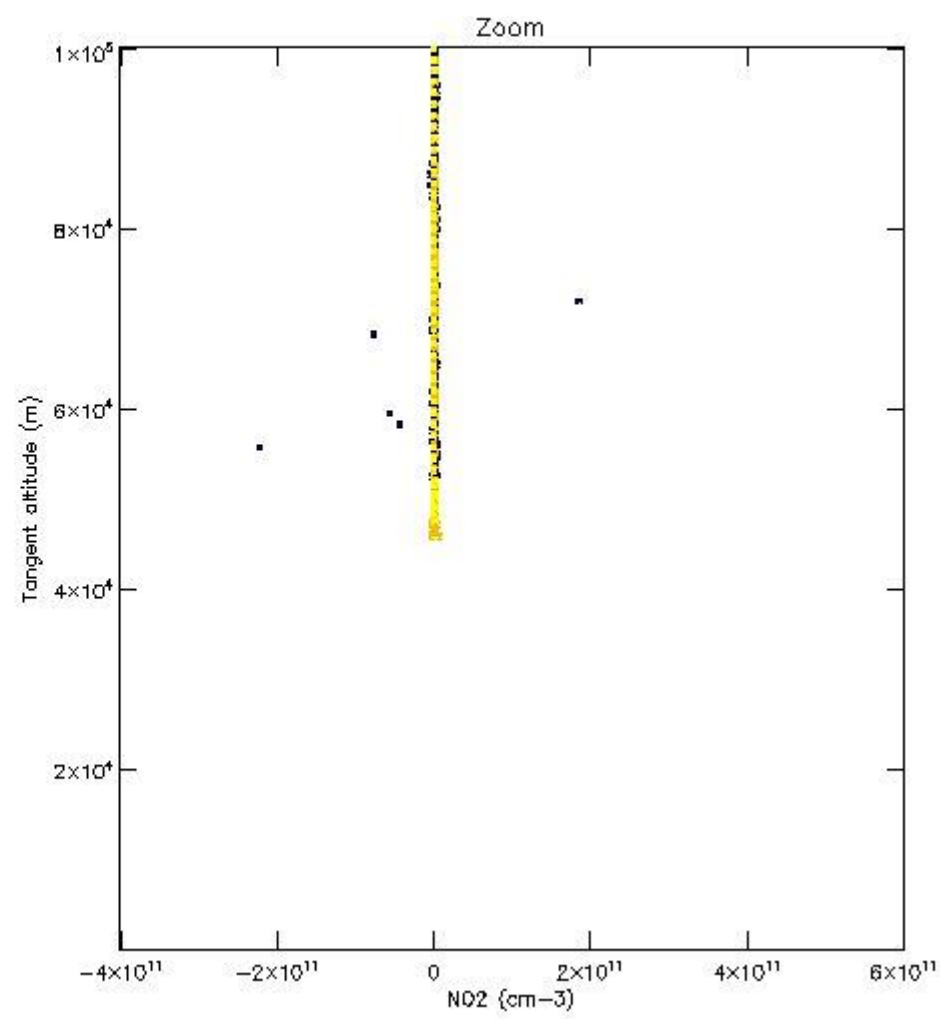
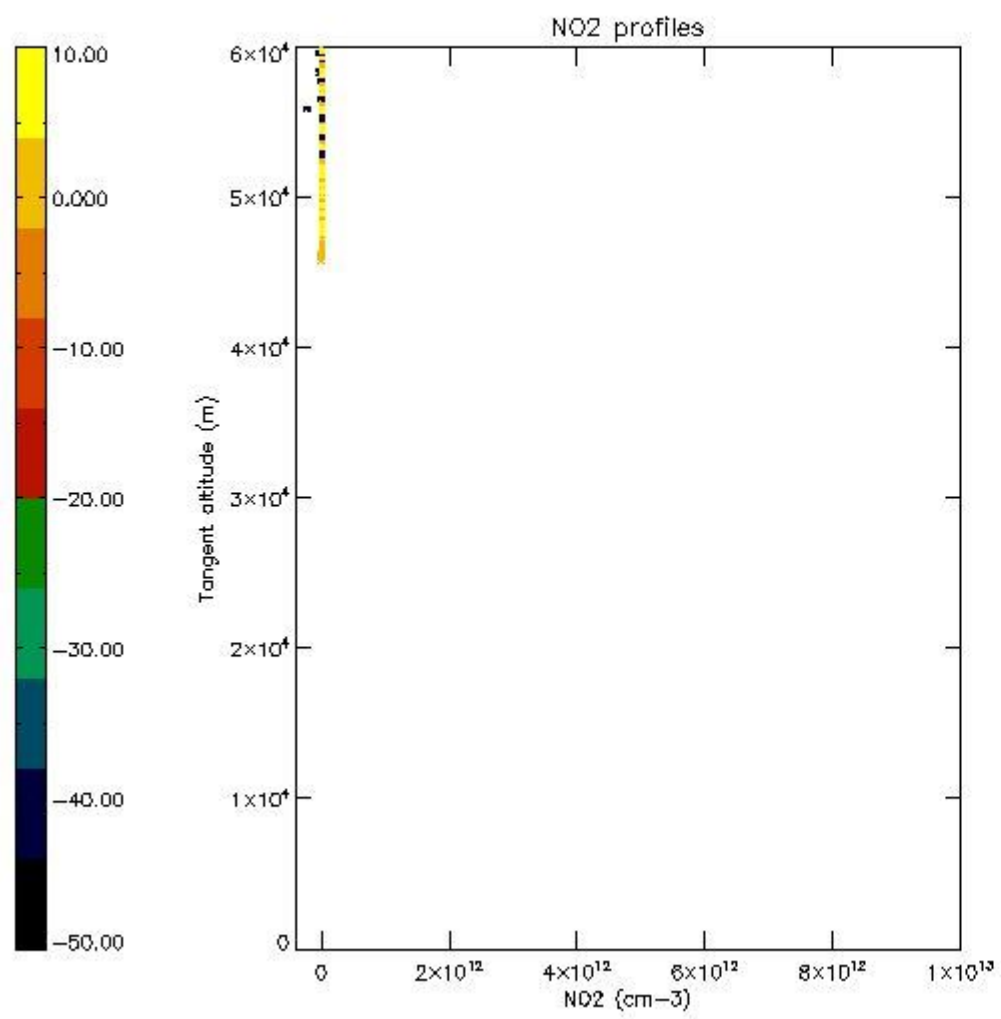
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

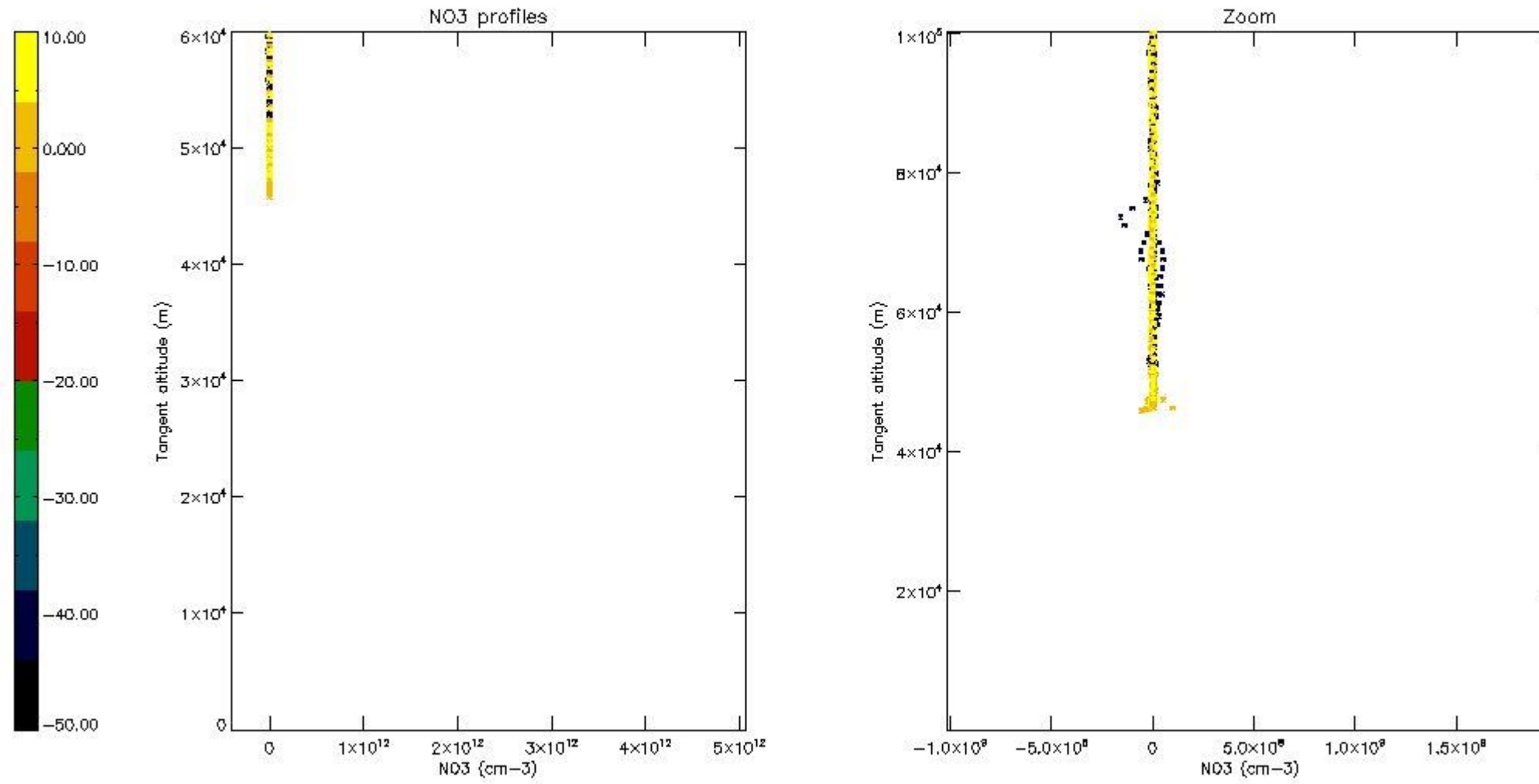
The colorbar represents the latitude.



*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	15-JUN-2009 00:03:38
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	15-JUN-2009 00:03:38
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	15-JUN-2009 00:03:38

# GOMOS Level 2 Daily Report

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### [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 10:10:49
Data source version	GOMOS/6.01
Start time of products	15-06-2009 (15JUN2009 00:00:00)
Stop time of products	16-06-2009 (16JUN2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	190
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__2PRFIN20090615_000338_000000332079_00488_38117_3212.N1	15-JUN-2009 00:03:38	Dark	33.000	52	16Bet Cet	2.0370	4500.0	66	38117	No
2	GOM_NL__2PRFIN20090615_001605_000000342079_00489_38118_3217.N1	15-JUN-2009 00:16:05	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38118	No
3	GOM_NL__2PRFIN20090615_001807_000000352079_00489_38118_3218.N1	15-JUN-2009 00:18:07	Dark	35.000	31	Alp Gru	1.7340	15200.	70	38118	No
4	GOM_NL__2PRFIN20090615_001959_000000422079_00489_38118_3219.N1	15-JUN-2009 00:19:59	Straylight	42.000	172	Gam Gru	3.0030	13100.	84	38118	No
5	GOM_NL__2PRFIN20090615_003214_000000342079_00489_38118_3220.N1	15-JUN-2009 00:32:14	Twi_and_stray	33.500	103	38Zet Sgr	2.6000	9700.0	67	38118	No
6	GOM_NL__2PRFIN20090615_003343_000000342079_00489_38118_3221.N1	15-JUN-2009 00:33:43	Twi_and_stray	34.000	57	34Sig Sgr	2.0660	26000.	68	38118	No
7	GOM_NL__2PRFIN20090615_004513_000000322079_00489_38118_3222.N1	15-JUN-2009 00:45:13	Bright	31.500	126	60Bet Oph	2.7700	4250.0	63	38118	No
8	GOM_NL__2PRFIN20090615_004745_000000322079_00489_38118_3223.N1	15-JUN-2009 00:47:45	Bright	31.500	59	55Alp Oph	2.0800	8900.0	63	38118	No
9	GOM_NL__2PRFIN20090615_005935_000000292079_00489_38118_3224.N1	15-JUN-2009 00:59:35	Bright	29.000	130	23Bet Dra	2.7990	5800.0	58	38118	No
10	GOM_NL__2PRFIN20090615_011003_000000322079_00489_38118_3225.N1	15-JUN-2009 01:10:03	Twi_and_stray	31.500	89	5Alp Cep	2.4510	8000.0	63	38118	No
11	GOM_NL__2PRFIN20090615_011624_000000272079_00489_38118_3226.N1	15-JUN-2009 01:16:24	Twi_and_stray	26.500	74	11Bet Cas	2.2680	6600.0	53	38118	No
12	GOM_NL__2PRFIN20090615_011747_000000252079_00489_38118_3227.N1	15-JUN-2009 01:17:47	Twi_and_stray	25.000	68	18Alp Cas	2.2250	4500.0	50	38118	No
13	GOM_NL__2PRFIN20090615_012513_000000252079_00489_38118_3228.N1	15-JUN-2009 01:25:13	Twi_and_stray	25.000	53	43Bet And	2.0480	3300.0	50	38118	No
14	GOM_NL__2PRFIN20090615_014415_000000332079_00489_38118_3229.N1	15-JUN-2009 01:44:15	Dark	33.000	52	16Bet Cet	2.0370	4500.0	66	38118	No
15	GOM_NL__2PRFIN20090615_015642_000000342079_00490_38119_3231.N1	15-JUN-2009 01:56:42	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38119	No
16	GOM_NL__2PRFIN20090615_015845_000000342079_00490_38119_3232.N1	15-JUN-2009 01:58:45	Dark	34.000	31	Alp Gru	1.7340	15200.	68	38119	No
17	GOM_NL__2PRFIN20090615_020036_000000422079_00490_38119_3233.N1	15-JUN-2009 02:00:36	Straylight	42.000	172	Gam Gru	3.0030	13100.	84	38119	No
18	GOM_NL__2PRFIN20090615_021250_000000342079_00490_38119_3234.N1	15-JUN-2009 02:12:50	Twi_and_stray	33.500	103	38Zet Sgr	2.6000	9700.0	67	38119	No
19	GOM_NL__2PRFIN20090615_021419_000000342079_00490_38119_3235.N1	15-JUN-2009 02:14:19	Twi_and_stray	34.000	57	34Sig Sgr	2.0660	26000.	68	38119	No
20	GOM_NL__2PRFIN20090615_022549_000000322079_00490_38119_3236.N1	15-JUN-2009 02:25:49	Bright	31.500	126	60Bet Oph	2.7700	4250.0	63	38119	No
21	GOM_NL__2PRFIN20090615_022820_000000322079_00490_38119_3237.N1	15-JUN-2009 02:28:20	Bright	31.500	59	55Alp Oph	2.0800	8900.0	63	38119	No
22	GOM_NL__2PRFIN20090615_024011_000000302079_00490_38119_3238.N1	15-JUN-2009 02:40:11	Bright	29.500	130	23Bet Dra	2.7990	5800.0	59	38119	No
23	GOM_NL__2PRFIN20090615_025038_000000312079_00490_38119_3239.N1	15-JUN-2009 02:50:38	Twi_and_stray	31.000	89	5Alp Cep	2.4510	8000.0	62	38119	No
24	GOM_NL__2PRFIN20090615_025700_000000272079_00490_38119_3240.N1	15-JUN-2009 02:57:00	Twi_and_stray	26.500	74	11Bet Cas	2.2680	6600.0	53	38119	No
25	GOM_NL__2PRFIN20090615_025822_000000262079_00490_38119_3241.N1	15-JUN-2009 02:58:22	Twi_and_stray	25.500	68	18Alp Cas	2.2250	4500.0	51	38119	No
26	GOM_NL__2PRFIN20090615_030549_000000262079_00490_38119_3242.N1	15-JUN-2009 03:05:49	Twi_and_stray	25.500	53	43Bet And	2.0480	3300.0	51	38119	No
27	GOM_NL__2PRFIN20090615_032452_000000332079_00490_38119_3243.N1	15-JUN-2009 03:24:52	Dark	33.000	52	16Bet Cet	2.0370	4500.0	66	38119	No
28	GOM_NL__2PRFIN20090615_033719_000000342079_00491_38120_3267.N1	15-JUN-2009 03:37:19	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38120	No
29	GOM_NL__2PRFIN20090615_033922_000000342079_00491_38120_3268.N1	15-JUN-2009 03:39:22	Dark	34.000	31	Alp Gru	1.7340	15200.	68	38120	No
30	GOM_NL__2PRFIN20090615_034114_000000422079_00491_38120_3269.N1	15-JUN-2009 03:41:14	Straylight	42.000	172	Gam Gru	3.0030	13100.	84	38120	No
31	GOM_NL__2PRFIN20090615_035326_000000342079_00491_38120_3270.N1	15-JUN-2009 03:53:26	Twi_and_stray	34.000	103	38Zet Sgr	2.6000	9700.0	68	38120	No
32	GOM_NL__2PRFIN20090615_035456_000000342079_00491_38120_3271.N1	15-JUN-2009 03:54:56	Twi_and_stray	34.000	57	34Sig Sgr	2.0660	26000.	68	38120	No
33	GOM_NL__2PRFIN20090615_040624_000000322079_00491_38120_3272.N1	15-JUN-2009 04:06:24	Bright	32.000	126	60Bet Oph	2.7700	4250.0	64	38120	No
34	GOM_NL__2PRFIN20090615_040856_000000322079_00491_38120_3273.N1	15-JUN-2009 04:08:56	Bright	31.500	59	55Alp Oph	2.0800	8900.0	63	38120	No
35	GOM_NL__2PRFIN20090615_042046_000000302079_00491_38120_3274.N1	15-JUN-2009 04:20:46	Bright	29.500	130	23Bet Dra	2.7990	5800.0	59	38120	No
36	GOM_NL__2PRFIN20090615_043114_000000322079_00491_38120_3275.N1	15-JUN-2009 04:31:14	Twi_and_stray	31.500	89	5Alp Cep	2.4510	8000.0	63	38120	No
37	GOM_NL__2PRFIN20090615_043736_000000272079_00491_38120_3276.N1	15-JUN-2009 04:37:36	Twi_and_stray	26.500	74	11Bet Cas	2.2680	6600.0	53	38120	No
38	GOM_NL__2PRFIN20090615_043858_000000252079_00491_38120_3277.N1	15-JUN-2009 04:38:58	Twi_and_stray	25.000	68	18Alp Cas	2.2250	4500.0	50	38120	No
39	GOM_NL__2PRFIN20090615_044625_000000262079_00491_38120_3278.N1	15-JUN-2009 04:46:25	Twi_and_stray	25.500	53	43Bet And	2.0480	3300.0	51	38120	No
40	GOM_NL__2PRFIN20090615_050529_000000332079_00491_38120_3279.N1	15-JUN-2009 05:05:29	Dark	33.000	52	16Bet Cet	2.0370	4500.0	66	38120	No
41	GOM_NL__2PRFIN20090615_051755_000000352079_00492_38121_3281.N1	15-JUN-2009 05:17:55	Dark	34.500	63	Bet Gru	2.1500	2800.0	69	38121	No
42	GOM_NL__2PRFIN20090615_051959_000000342079_00492_38121_3282.N1	15-JUN-2009 05:19:59	Dark	34.000	31	Alp Gru	1.7340	15200.	68	38121	No

43	GOM_NL__2PRFIN20090615_052151_000000422079_00492_38121_3283.N1	15-JUN-2009 05:21:51	Straylight	42.000	172	Gam Gru	3.0030	13100.	84	38121	No
44	GOM_NL__2PRFIN20090615_053403_000000342079_00492_38121_3284.N1	15-JUN-2009 05:34:03	Tw_i_and_stray	33.500	103	38Zet Sgr	2.6000	9700.0	67	38121	No
45	GOM_NL__2PRFIN20090615_053532_000000342079_00492_38121_3285.N1	15-JUN-2009 05:35:32	Tw_i_and_stray	34.000	57	34Sig Sgr	2.0660	26000.	68	38121	No
46	GOM_NL__2PRFIN20090615_054700_000000322079_00492_38121_3286.N1	15-JUN-2009 05:47:00	Bright	31.500	126	60Bet Oph	2.7700	4250.0	63	38121	No
47	GOM_NL__2PRFIN20090615_054932_000000322079_00492_38121_3287.N1	15-JUN-2009 05:49:32	Bright	31.500	59	55Alp Oph	2.0800	8900.0	63	38121	No
48	GOM_NL__2PRFIN20090615_060122_000000292079_00492_38121_3288.N1	15-JUN-2009 06:01:22	Bright	29.000	130	23Bet Dra	2.7990	5800.0	58	38121	No
49	GOM_NL__2PRFIN20090615_061149_000000312079_00492_38121_3289.N1	15-JUN-2009 06:11:49	Tw_i_and_stray	31.000	89	5Alp Cep	2.4510	8000.0	62	38121	No
50	GOM_NL__2PRFIN20090615_061812_000000272079_00492_38121_3290.N1	15-JUN-2009 06:18:12	Tw_i_and_stray	26.500	74	11Bet Cas	2.2680	6600.0	53	38121	No
51	GOM_NL__2PRFIN20090615_061934_000000252079_00492_38121_3291.N1	15-JUN-2009 06:19:34	Tw_i_and_stray	25.000	68	18Alp Cas	2.2250	4500.0	50	38121	No
52	GOM_NL__2PRFIN20090615_062701_000000262079_00492_38121_3292.N1	15-JUN-2009 06:27:01	Tw_i_and_stray	25.500	53	43Bet And	2.0480	3300.0	51	38121	No
53	GOM_NL__2PRFIN20090615_064606_000000342079_00492_38121_3293.N1	15-JUN-2009 06:46:06	Dark	33.500	52	16Bet Cet	2.0370	4500.0	67	38121	No
54	GOM_NL__2PRFIN20090615_065832_000000352079_00493_38122_3295.N1	15-JUN-2009 06:58:32	Dark	34.500	63	Bet Gru	2.1500	2800.0	69	38122	No
55	GOM_NL__2PRFIN20090615_070035_000000352079_00493_38122_3296.N1	15-JUN-2009 07:00:35	Dark	35.000	31	Alp Gru	1.7340	15200.	70	38122	No
56	GOM_NL__2PRFIN20090615_070228_000000422079_00493_38122_3297.N1	15-JUN-2009 07:02:28	Straylight	42.000	172	Gam Gru	3.0030	13100.	84	38122	No
57	GOM_NL__2PRFIN20090615_071439_000000342079_00493_38122_3298.N1	15-JUN-2009 07:14:39	Tw_i_and_stray	33.500	103	38Zet Sgr	2.6000	9700.0	67	38122	No
58	GOM_NL__2PRFIN20090615_071608_000000342079_00493_38122_3299.N1	15-JUN-2009 07:16:08	Tw_i_and_stray	33.500	57	34Sig Sgr	2.0660	26000.	67	38122	No
59	GOM_NL__2PRFIN20090615_072736_000000322079_00493_38122_3300.N1	15-JUN-2009 07:27:36	Bright	31.500	126	60Bet Oph	2.7700	4250.0	63	38122	No
60	GOM_NL__2PRFIN20090615_073007_000000322079_00493_38122_3301.N1	15-JUN-2009 07:30:07	Bright	31.500	59	55Alp Oph	2.0800	8900.0	63	38122	No
61	GOM_NL__2PRFIN20090615_074055_000000292079_00493_38122_3302.N1	15-JUN-2009 07:40:55	Tw_i_and_stray	29.000	5	3Alp Lyr	0.033000	11000.	58	38122	No
62	GOM_NL__2PRFIN20090615_074157_000000292079_00493_38122_3303.N1	15-JUN-2009 07:41:57	Bright	29.000	130	23Bet Dra	2.7990	5800.0	58	38122	No
63	GOM_NL__2PRFIN20090615_075224_000000322079_00493_38122_3304.N1	15-JUN-2009 07:52:24	Tw_i_and_stray	31.500	89	5Alp Cep	2.4510	8000.0	63	38122	No
64	GOM_NL__2PRFIN20090615_075847_000000272079_00493_38122_3305.N1	15-JUN-2009 07:58:47	Tw_i_and_stray	26.500	74	11Bet Cas	2.2680	6600.0	53	38122	No
65	GOM_NL__2PRFIN20090615_080010_000000252079_00493_38122_3306.N1	15-JUN-2009 08:00:10	Tw_i_and_stray	25.000	68	18Alp Cas	2.2250	4500.0	50	38122	No
66	GOM_NL__2PRFIN20090615_080737_000000262079_00493_38122_3307.N1	15-JUN-2009 08:07:37	Tw_i_and_stray	25.500	53	43Bet And	2.0480	3300.0	51	38122	No
67	GOM_NL__2PRFIN20090615_082643_000000342079_00493_38122_3308.N1	15-JUN-2009 08:26:43	Dark	33.500	52	16Bet Cet	2.0370	4500.0	67	38122	No
68	GOM_NL__2PRFIN20090615_083909_000000342079_00494_38123_3309.N1	15-JUN-2009 08:39:09	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38123	No
69	GOM_NL__2PRFIN20090615_084112_000000352079_00494_38123_3310.N1	15-JUN-2009 08:41:12	Dark	34.500	31	Alp Gru	1.7340	15200.	69	38123	No
70	GOM_NL__2PRFIN20090615_084305_000000422079_00494_38123_3311.N1	15-JUN-2009 08:43:05	Straylight	42.000	172	Gam Gru	3.0030	13100.	84	38123	No
71	GOM_NL__2PRFIN20090615_085516_000000342079_00494_38123_3312.N1	15-JUN-2009 08:55:16	Tw_i_and_stray	33.500	103	38Zet Sgr	2.6000	9700.0	67	38123	No
72	GOM_NL__2PRFIN20090615_085645_000000342079_00494_38123_3313.N1	15-JUN-2009 08:56:45	Tw_i_and_stray	33.500	57	34Sig Sgr	2.0660	26000.	67	38123	No
73	GOM_NL__2PRFIN20090615_090812_000000322079_00494_38123_3314.N1	15-JUN-2009 09:08:12	Bright	31.500	126	60Bet Oph	2.7700	4250.0	63	38123	No
74	GOM_NL__2PRFIN20090615_091043_000000322079_00494_38123_3315.N1	15-JUN-2009 09:10:43	Bright	31.500	59	55Alp Oph	2.0800	8900.0	63	38123	No
75	GOM_NL__2PRFIN20090615_092130_000000292079_00494_38123_3316.N1	15-JUN-2009 09:21:30	Tw_i_and_stray	29.000	5	3Alp Lyr	0.033000	11000.	58	38123	No
76	GOM_NL__2PRFIN20090615_092233_000000292079_00494_38123_3317.N1	15-JUN-2009 09:22:33	Bright	29.000	130	23Bet Dra	2.7990	5800.0	58	38123	No
77	GOM_NL__2PRFIN20090615_093259_000000322079_00494_38123_3318.N1	15-JUN-2009 09:32:59	Tw_i_and_stray	31.500	89	5Alp Cep	2.4510	8000.0	63	38123	No
78	GOM_NL__2PRFIN20090615_093923_000000272079_00494_38123_3319.N1	15-JUN-2009 09:39:23	Tw_i_and_stray	26.500	74	11Bet Cas	2.2680	6600.0	53	38123	No
79	GOM_NL__2PRFIN20090615_094045_000000262079_00494_38123_3320.N1	15-JUN-2009 09:40:45	Tw_i_and_stray	25.500	68	18Alp Cas	2.2250	4500.0	51	38123	No
80	GOM_NL__2PRFIN20090615_094813_000000262079_00494_38123_3321.N1	15-JUN-2009 09:48:13	Tw_i_and_stray	25.500	53	43Bet And	2.0480	3300.0	51	38123	No
81	GOM_NL__2PRFIN20090615_100720_000000342079_00494_38123_3322.N1	15-JUN-2009 10:07:20	Dark	33.500	52	16Bet Cet	2.0370	4500.0	67	38123	No
82	GOM_NL__2PRFIN20090615_101946_000000342079_00495_38124_3323.N1	15-JUN-2009 10:19:46	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38124	No
83	GOM_NL__2PRFIN20090615_102149_000000342079_00495_38124_3324.N1	15-JUN-2009 10:21:49	Dark	34.000	31	Alp Gru	1.7340	15200.	68	38124	No
84	GOM_NL__2PRFIN20090615_102343_000000422079_00495_38124_3325.N1	15-JUN-2009 10:23:43	Straylight	42.000	172	Gam Gru	3.0030	13100.	84	38124	No
85	GOM_NL__2PRFIN20090615_103552_000000342079_00495_38124_3326.N1	15-JUN-2009 10:35:52	Tw_i_and_stray	33.500	103	38Zet Sgr	2.6000	9700.0	67	38124	No
86	GOM_NL__2PRFIN20090615_103721_000000342079_00495_38124_3327.N1	15-JUN-2009 10:37:21	Tw_i_and_stray	33.500	57	34Sig Sgr	2.0660	26000.	67	38124	No
87	GOM_NL__2PRFIN20090615_104847_000000322079_00495_38124_3328.N1	15-JUN-2009 10:48:47	Bright	31.500	126	60Bet Oph	2.7700	4250.0	63	38124	No
88	GOM_NL__2PRFIN20090615_105119_000000322079_00495_38124_3329.N1	15-JUN-2009 10:51:19	Bright	31.500	59	55Alp Oph	2.0800	8900.0	63	38124	No
89	GOM_NL__2PRFIN20090615_110205_000000352079_00495_38124_3330.N1	15-JUN-2009 11:02:05	Tw_i_and_stray	35.000	5	3Alp Lyr	0.033000	11000.	70	38124	No
90	GOM_NL__2PRFIN20090615_110308_000000292079_00495_38124_3331.N1	15-JUN-2009 11:03:08	Bright	29.000	130	23Bet Dra	2.7990	5800.0	58	38124	No
91	GOM_NL__2PRFIN20090615_111335_000000322079_00495_38124_3332.N1	15-JUN-2009 11:13:35	Tw_i_and_stray	31.500	89	5Alp Cep	2.4510	8000.0	63	38124	No
92	GOM_NL__2PRFIN20090615_111958_000000272079_00495_38124_3333.N1	15-JUN-2009 11:19:58	Tw_i_and_stray	26.500	74	11Bet Cas	2.2680	6600.0	53	38124	No
93	GOM_NL__2PRFIN20090615_112121_000000262079_00495_38124_3334.N1	15-JUN-2009 11:21:21	Tw_i_and_stray	25.500	68	18Alp Cas	2.2250	4500.0	51	38124	No
94	GOM_NL__2PRFIN20090615_112849_000000262079_00495_38124_3335.N1	15-JUN-2009 11:28:49	Tw_i_and_stray	26.000	53	43Bet And	2.0480	3300.0	52	38124	No
95	GOM_NL__2PRFIN20090615_114757_000000332079_00495_38124_3336.N1	15-JUN-2009 11:47:57	Dark	33.000	52	16Bet Cet	2.0370	4500.0	66	38124	No
96	GOM_NL__2PRFIN20090615_120023_000000342079_00496_38125_3337.N1	15-JUN-2009 12:00:23	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38125	No
97	GOM_NL__2PRFIN20090615_120226_000000342079_00496_38125_3338.N1	15-JUN-2009 12:02:26	Dark	34.000	31	Alp Gru	1.7340	15200.	68	38125	No
98	GOM_NL__2PRFIN20090615_120420_000000422079_00496_38125_3339.N1	15-JUN-2009 12:04:20	Straylight	42.000	172	Gam Gru	3.0030	13100.	84	38125	No
99	GOM_NL__2PRFIN20090615_121628_000000342079_00496_38125_3340.N1	15-JUN-2009 12:16:28	Tw_i_and_stray	33.500	103	38Zet Sgr	2.6000	9700.0	67	38125	No
100	GOM_NL__2PRFIN20090615_121757_000000342079_00496_38125_3341.N1	15-JUN-2009 12:17:57	Tw_i_and_stray	33.500	57	34Sig Sgr	2.0660	26000.	67	38125	No
101	GOM_NL__2PRFIN20090615_122923_000000322079_00496_38125_3342.N1	15-JUN-2009 12:29:23	Bright	31.500	126	60Bet Oph	2.7700	4250.0	63	38125	No



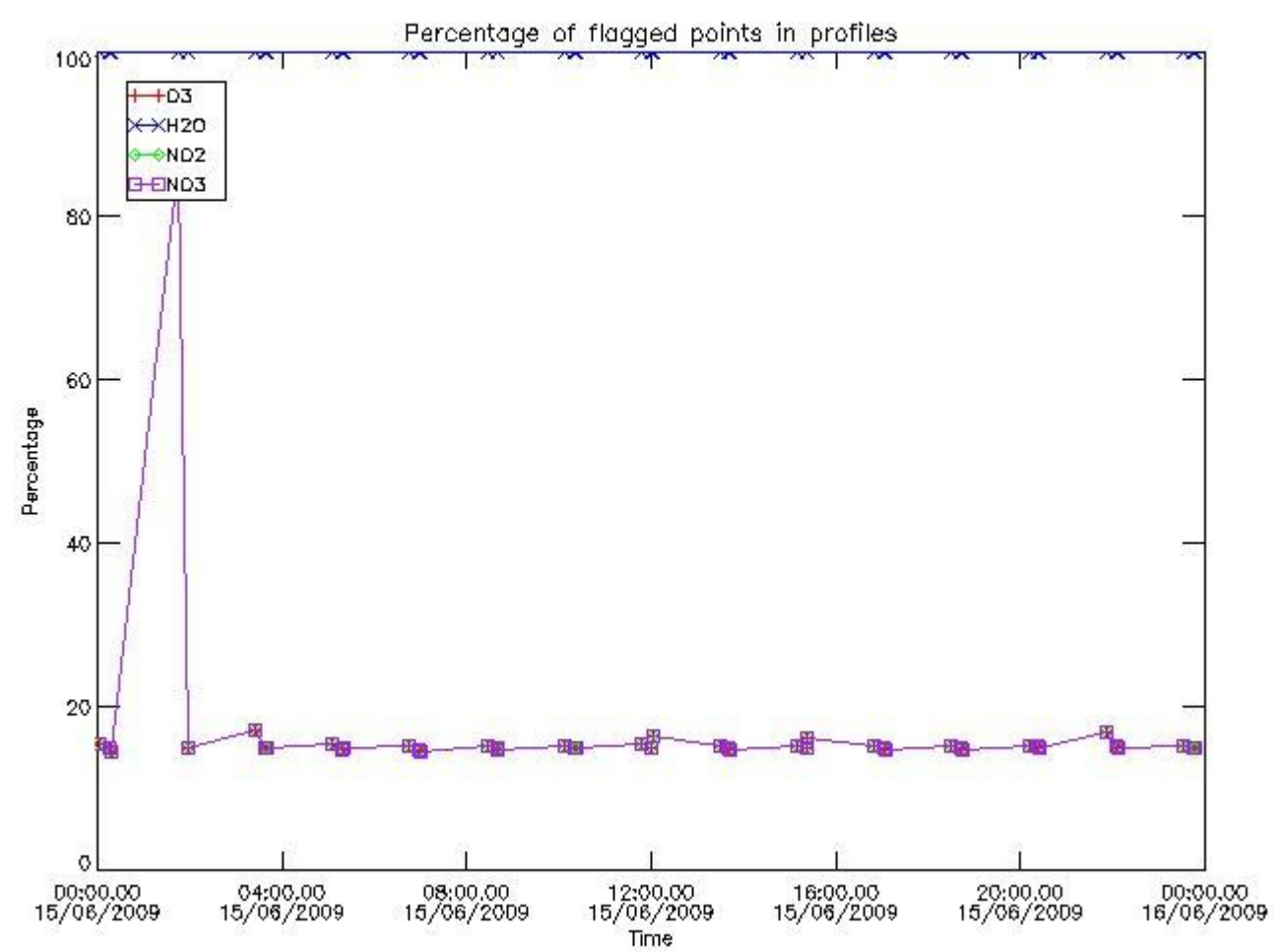
102	GOM_NL__2PRFIN20090615_123154_000000312079_00496_38125_3343.N1	15-JUN-2009 12:31:54	Bright	31.000	59	55Alp Oph	2.0800	8900.0	62	38125	No
103	GOM_NL__2PRFIN20090615_124240_000000352079_00496_38125_3344.N1	15-JUN-2009 12:42:40	Twi_and_stray	35.000	5	3Alp Lyr	0.033000	11000.	70	38125	No
104	GOM_NL__2PRFIN20090615_124344_000000292079_00496_38125_3345.N1	15-JUN-2009 12:43:44	Bright	29.000	130	23Bet Dra	2.7990	5800.0	58	38125	No
105	GOM_NL__2PRFIN20090615_125410_000000322079_00496_38125_3346.N1	15-JUN-2009 12:54:10	Twi_and_stray	31.500	89	5Alp Cep	2.4510	8000.0	63	38125	No
106	GOM_NL__2PRFIN20090615_130034_000000272079_00496_38125_3347.N1	15-JUN-2009 13:00:34	Twi_and_stray	26.500	74	11Bet Cas	2.2680	6600.0	53	38125	No
107	GOM_NL__2PRFIN20090615_130156_000000262079_00496_38125_3348.N1	15-JUN-2009 13:01:56	Twi_and_stray	25.500	68	18Alp Cas	2.2250	4500.0	51	38125	No
108	GOM_NL__2PRFIN20090615_130925_000000262079_00496_38125_3349.N1	15-JUN-2009 13:09:25	Twi_and_stray	25.500	53	43Bet And	2.0480	3300.0	51	38125	No
109	GOM_NL__2PRFIN20090615_132833_000000342079_00496_38125_3350.N1	15-JUN-2009 13:28:33	Dark	33.500	52	16Bet Cet	2.0370	4500.0	67	38125	No
110	GOM_NL__2PRFIN20090615_134100_000000342079_00497_38126_3351.N1	15-JUN-2009 13:41:00	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38126	No
111	GOM_NL__2PRFIN20090615_134303_000000352079_00497_38126_3352.N1	15-JUN-2009 13:43:03	Dark	34.500	31	Alp Gru	1.7340	15200.	69	38126	No
112	GOM_NL__2PRFIN20090615_134457_000000422079_00497_38126_3353.N1	15-JUN-2009 13:44:57	Straylight	42.000	172	Gam Gru	3.0030	13100.	84	38126	No
113	GOM_NL__2PRFIN20090615_135704_000000342079_00497_38126_3354.N1	15-JUN-2009 13:57:04	Twi_and_stray	33.500	103	38Zet Sgr	2.6000	9700.0	67	38126	No
114	GOM_NL__2PRFIN20090615_135833_000000342079_00497_38126_3355.N1	15-JUN-2009 13:58:33	Twi_and_stray	33.500	57	34Sig Sgr	2.0660	26000.	67	38126	No
115	GOM_NL__2PRFIN20090615_140959_000000322079_00497_38126_3356.N1	15-JUN-2009 14:09:59	Bright	31.500	126	60Bet Oph	2.7700	4250.0	63	38126	No
116	GOM_NL__2PRFIN20090615_141230_000000322079_00497_38126_3357.N1	15-JUN-2009 14:12:30	Bright	31.500	59	55Alp Oph	2.0800	8900.0	63	38126	No
117	GOM_NL__2PRFIN20090615_142420_000000292079_00497_38126_3358.N1	15-JUN-2009 14:24:20	Bright	29.000	130	23Bet Dra	2.7990	5800.0	58	38126	No
118	GOM_NL__2PRFIN20090615_143445_000000322079_00497_38126_3359.N1	15-JUN-2009 14:34:45	Twi_and_stray	31.500	89	5Alp Cep	2.4510	8000.0	63	38126	No
119	GOM_NL__2PRFIN20090615_144109_000000272079_00497_38126_3360.N1	15-JUN-2009 14:41:09	Twi_and_stray	26.500	74	11Bet Cas	2.2680	6600.0	53	38126	No
120	GOM_NL__2PRFIN20090615_144232_000000262079_00497_38126_3361.N1	15-JUN-2009 14:42:32	Twi_and_stray	25.500	68	18Alp Cas	2.2250	4500.0	51	38126	No
121	GOM_NL__2PRFIN20090615_145001_000000262079_00497_38126_3362.N1	15-JUN-2009 14:50:01	Twi_and_stray	25.500	53	43Bet And	2.0480	3300.0	51	38126	No
122	GOM_NL__2PRFIN20090615_150911_000000342079_00497_38126_3363.N1	15-JUN-2009 15:09:11	Dark	33.500	52	16Bet Cet	2.0370	4500.0	67	38126	No
123	GOM_NL__2PRFIN20090615_152137_000000342079_00498_38127_3365.N1	15-JUN-2009 15:21:37	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38127	No
124	GOM_NL__2PRFIN20090615_152340_000000352079_00498_38127_3366.N1	15-JUN-2009 15:23:40	Dark	34.500	31	Alp Gru	1.7340	15200.	69	38127	No
125	GOM_NL__2PRFIN20090615_152534_000000422079_00498_38127_3367.N1	15-JUN-2009 15:25:34	Straylight	42.000	172	Gam Gru	3.0030	13100.	84	38127	No
126	GOM_NL__2PRFIN20090615_153741_000000342079_00498_38127_3368.N1	15-JUN-2009 15:37:41	Twi_and_stray	33.500	103	38Zet Sgr	2.6000	9700.0	67	38127	No
127	GOM_NL__2PRFIN20090615_153909_000000342079_00498_38127_3369.N1	15-JUN-2009 15:39:09	Twi_and_stray	34.000	57	34Sig Sgr	2.0660	26000.	68	38127	No
128	GOM_NL__2PRFIN20090615_155034_000000312079_00498_38127_3370.N1	15-JUN-2009 15:50:34	Bright	31.000	126	60Bet Oph	2.7700	4250.0	62	38127	No
129	GOM_NL__2PRFIN20090615_155305_000000312079_00498_38127_3371.N1	15-JUN-2009 15:53:05	Bright	31.000	59	55Alp Oph	2.0800	8900.0	62	38127	No
130	GOM_NL__2PRFIN20090615_160455_000000292079_00498_38127_3372.N1	15-JUN-2009 16:04:55	Bright	29.000	130	23Bet Dra	2.7990	5800.0	58	38127	No
131	GOM_NL__2PRFIN20090615_161520_000000322079_00498_38127_3373.N1	15-JUN-2009 16:15:20	Twi_and_stray	31.500	89	5Alp Cep	2.4510	8000.0	63	38127	No
132	GOM_NL__2PRFIN20090615_162145_000000272079_00498_38127_3374.N1	15-JUN-2009 16:21:45	Twi_and_stray	26.500	74	11Bet Cas	2.2680	6600.0	53	38127	No
133	GOM_NL__2PRFIN20090615_162308_000000262079_00498_38127_3375.N1	15-JUN-2009 16:23:08	Twi_and_stray	25.500	68	18Alp Cas	2.2250	4500.0	51	38127	No
134	GOM_NL__2PRFIN20090615_163037_000000262079_00498_38127_3376.N1	15-JUN-2009 16:30:37	Twi_and_stray	25.500	53	43Bet And	2.0480	3300.0	51	38127	No
135	GOM_NL__2PRFIN20090615_164947_000000342079_00498_38127_3377.N1	15-JUN-2009 16:49:47	Dark	33.500	52	16Bet Cet	2.0370	4500.0	67	38127	No
136	GOM_NL__2PRFIN20090615_170214_000000342079_00499_38128_3380.N1	15-JUN-2009 17:02:14	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38128	No
137	GOM_NL__2PRFIN20090615_170417_000000352079_00499_38128_3381.N1	15-JUN-2009 17:04:17	Dark	34.500	31	Alp Gru	1.7340	15200.	69	38128	No
138	GOM_NL__2PRFIN20090615_170612_000000422079_00499_38128_3382.N1	15-JUN-2009 17:06:12	Straylight	41.500	172	Gam Gru	3.0030	13100.	83	38128	No
139	GOM_NL__2PRFIN20090615_171818_000000342079_00499_38128_3383.N1	15-JUN-2009 17:18:18	Twi_and_stray	33.500	103	38Zet Sgr	2.6000	9700.0	67	38128	No
140	GOM_NL__2PRFIN20090615_171946_000000342079_00499_38128_3384.N1	15-JUN-2009 17:19:46	Twi_and_stray	34.000	57	34Sig Sgr	2.0660	26000.	68	38128	No
141	GOM_NL__2PRFIN20090615_173110_000000322079_00499_38128_3385.N1	15-JUN-2009 17:31:10	Bright	31.500	126	60Bet Oph	2.7700	4250.0	63	38128	No
142	GOM_NL__2PRFIN20090615_173341_000000322079_00499_38128_3386.N1	15-JUN-2009 17:33:41	Bright	31.500	59	55Alp Oph	2.0800	8900.0	63	38128	No
143	GOM_NL__2PRFIN20090615_174531_000000292079_00499_38128_3387.N1	15-JUN-2009 17:45:31	Bright	29.000	130	23Bet Dra	2.7990	5800.0	58	38128	No
144	GOM_NL__2PRFIN20090615_175556_000000322079_00499_38128_3388.N1	15-JUN-2009 17:55:56	Twi_and_stray	31.500	89	5Alp Cep	2.4510	8000.0	63	38128	No
145	GOM_NL__2PRFIN20090615_180221_000000272079_00499_38128_3389.N1	15-JUN-2009 18:02:21	Twi_and_stray	26.500	74	11Bet Cas	2.2680	6600.0	53	38128	No
146	GOM_NL__2PRFIN20090615_180344_000000262079_00499_38128_3390.N1	15-JUN-2009 18:03:44	Twi_and_stray	25.500	68	18Alp Cas	2.2250	4500.0	51	38128	No
147	GOM_NL__2PRFIN20090615_181113_000000262079_00499_38128_3391.N1	15-JUN-2009 18:11:13	Twi_and_stray	25.500	53	43Bet And	2.0480	3300.0	51	38128	No
148	GOM_NL__2PRFIN20090615_183025_000000342079_00499_38128_3392.N1	15-JUN-2009 18:30:25	Dark	33.500	52	16Bet Cet	2.0370	4500.0	67	38128	No
149	GOM_NL__2PRFIN20090615_184251_000000342079_00500_38129_3395.N1	15-JUN-2009 18:42:51	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38129	No
150	GOM_NL__2PRFIN20090615_184454_000000352079_00500_38129_3396.N1	15-JUN-2009 18:44:54	Dark	34.500	31	Alp Gru	1.7340	15200.	69	38129	No
151	GOM_NL__2PRFIN20090615_184649_000000422079_00500_38129_3397.N1	15-JUN-2009 18:46:49	Straylight	42.000	172	Gam Gru	3.0030	13100.	84	38129	No
152	GOM_NL__2PRFIN20090615_185854_000000342079_00500_38129_3398.N1	15-JUN-2009 18:58:54	Twi_and_stray	33.500	103	38Zet Sgr	2.6000	9700.0	67	38129	No
153	GOM_NL__2PRFIN20090615_190022_000000342079_00500_38129_3399.N1	15-JUN-2009 19:00:22	Twi_and_stray	34.000	57	34Sig Sgr	2.0660	26000.	68	38129	No
154	GOM_NL__2PRFIN20090615_191146_000000322079_00500_38129_3400.N1	15-JUN-2009 19:11:46	Bright	31.500	126	60Bet Oph	2.7700	4250.0	63	38129	No
155	GOM_NL__2PRFIN20090615_191417_000000312079_00500_38129_3401.N1	15-JUN-2009 19:14:17	Bright	31.000	59	55Alp Oph	2.0800	8900.0	62	38129	No
156	GOM_NL__2PRFIN20090615_192606_000000292079_00500_38129_3402.N1	15-JUN-2009 19:26:06	Bright	29.000	130	23Bet Dra	2.7990	5800.0	58	38129	No
157	GOM_NL__2PRFIN20090615_193631_000000322079_00500_38129_3403.N1	15-JUN-2009 19:36:31	Twi_and_stray	31.500	89	5Alp Cep	2.4510	8000.0	63	38129	No
158	GOM_NL__2PRFIN20090615_194256_000000272079_00500_38129_3404.N1	15-JUN-2009 19:42:56	Twi_and_stray	26.500	74	11Bet Cas	2.2680	6600.0	53	38129	No
159	GOM_NL__2PRFIN20090615_194419_000000262079_00500_38129_3405.N1	15-JUN-2009 19:44:19	Twi_and_stray	25.500	68	18Alp Cas	2.2250	4500.0	51	38129	No
160	GOM_NL__2PRFIN20090615_195149_000000262079_00500_38129_3406.N1	15-JUN-2009 19:51:49	Twi_and_stray	25.500	53	43Bet And	2.0480	3300.0	51	38129	No

161	GOM_NL__2PRFIN20090615_201101_000000342079_00500_38129_3407.N1	15-JUN-2009 20:11:01	Dark	33.500	52	16Bet Cet	2.0370	4500.0	67	38129	No
162	GOM_NL__2PRFIN20090615_202328_000000342079_00501_38130_3444.N1	15-JUN-2009 20:23:28	Dark	33.500	63	Bet Gru	2.1500	2800.0	67	38130	No
163	GOM_NL__2PRFIN20090615_202531_000000342079_00501_38130_3445.N1	15-JUN-2009 20:25:31	Dark	34.000	31	Alp Gru	1.7340	15200.	68	38130	No
164	GOM_NL__2PRFIN20090615_202726_000000422079_00501_38130_3446.N1	15-JUN-2009 20:27:26	Straylight	41.500	172	Gam Gru	3.0030	13100.	83	38130	No
165	GOM_NL__2PRFIN20090615_203930_000000342079_00501_38130_3447.N1	15-JUN-2009 20:39:30	Twilight_stray	33.500	103	38Zet Sgr	2.6000	9700.0	67	38130	No
166	GOM_NL__2PRFIN20090615_204058_000000342079_00501_38130_3448.N1	15-JUN-2009 20:40:58	Twilight_stray	33.500	57	34Sig Sgr	2.0660	26000.	67	38130	No
167	GOM_NL__2PRFIN20090615_205221_000000322079_00501_38130_3449.N1	15-JUN-2009 20:52:21	Bright	31.500	126	60Bet Oph	2.7700	4250.0	63	38130	No
168	GOM_NL__2PRFIN20090615_205453_000000312079_00501_38130_3450.N1	15-JUN-2009 20:54:53	Bright	31.000	59	55Alp Oph	2.0800	8900.0	62	38130	No
169	GOM_NL__2PRFIN20090615_210643_000000282079_00501_38130_3451.N1	15-JUN-2009 21:06:43	Bright	27.500	130	23Bet Dra	2.7990	5800.0	55	38130	No
170	GOM_NL__2PRFIN20090615_211706_000000322079_00501_38130_3452.N1	15-JUN-2009 21:17:06	Twilight_stray	31.500	89	5Alp Cep	2.4510	8000.0	63	38130	No
171	GOM_NL__2PRFIN20090615_212332_000000272079_00501_38130_3453.N1	15-JUN-2009 21:23:32	Twilight_stray	26.500	74	11Bet Cas	2.2680	6600.0	53	38130	No
172	GOM_NL__2PRFIN20090615_212455_000000262079_00501_38130_3454.N1	15-JUN-2009 21:24:55	Twilight_stray	25.500	68	18Alp Cas	2.2250	4500.0	51	38130	No
173	GOM_NL__2PRFIN20090615_213225_000000262079_00501_38130_3455.N1	15-JUN-2009 21:32:25	Twilight_stray	25.500	53	43Bet And	2.0480	3300.0	51	38130	No
174	GOM_NL__2PRFIN20090615_215138_000000342079_00501_38130_3456.N1	15-JUN-2009 21:51:38	Dark	33.500	52	16Bet Cet	2.0370	4500.0	67	38130	No
175	GOM_NL__2PRFIN20090615_220405_000000342080_00001_38131_3456.N1	15-JUN-2009 22:04:05	Dark	33.500	63	Bet Gru	2.1500	2800.0	67	38131	No
176	GOM_NL__2PRFIN20090615_220608_000000342080_00001_38131_3457.N1	15-JUN-2009 22:06:08	Dark	34.000	31	Alp Gru	1.7340	15200.	68	38131	No
177	GOM_NL__2PRFIN20090615_220803_000000422080_00001_38131_3458.N1	15-JUN-2009 22:08:03	Straylight	42.000	172	Gam Gru	3.0030	13100.	84	38131	No
178	GOM_NL__2PRFIN20090615_222007_000000342080_00001_38131_3459.N1	15-JUN-2009 22:20:07	Twilight_stray	33.500	103	38Zet Sgr	2.6000	9700.0	67	38131	No
179	GOM_NL__2PRFIN20090615_222135_000000342080_00001_38131_3460.N1	15-JUN-2009 22:21:35	Twilight_stray	34.000	57	34Sig Sgr	2.0660	26000.	68	38131	No
180	GOM_NL__2PRFIN20090615_223257_000000322080_00001_38131_3461.N1	15-JUN-2009 22:32:57	Bright	31.500	126	60Bet Oph	2.7700	4250.0	63	38131	No
181	GOM_NL__2PRFIN20090615_223528_000000312080_00001_38131_3462.N1	15-JUN-2009 22:35:28	Bright	31.000	59	55Alp Oph	2.0800	8900.0	62	38131	No
182	GOM_NL__2PRFIN20090615_224722_000000242080_00001_38131_3463.N1	15-JUN-2009 22:47:22	Bright	23.500	130	23Bet Dra	2.7990	5800.0	47	38131	No
183	GOM_NL__2PRFIN20090615_225741_000000322080_00001_38131_3464.N1	15-JUN-2009 22:57:41	Twilight_stray	31.500	89	5Alp Cep	2.4510	8000.0	63	38131	No
184	GOM_NL__2PRFIN20090615_230408_000000272080_00001_38131_3465.N1	15-JUN-2009 23:04:08	Twilight_stray	26.500	74	11Bet Cas	2.2680	6600.0	53	38131	No
185	GOM_NL__2PRFIN20090615_230531_000000262080_00001_38131_3466.N1	15-JUN-2009 23:05:31	Twilight_stray	25.500	68	18Alp Cas	2.2250	4500.0	51	38131	No
186	GOM_NL__2PRFIN20090615_231302_000000252080_00001_38131_3467.N1	15-JUN-2009 23:13:02	Twilight_stray	25.000	53	43Bet And	2.0480	3300.0	50	38131	No
187	GOM_NL__2PRFIN20090615_233216_000000342080_00001_38131_3468.N1	15-JUN-2009 23:32:16	Dark	33.500	52	16Bet Cet	2.0370	4500.0	67	38131	No
188	GOM_NL__2PRFIN20090615_234441_000000342080_00002_38132_3478.N1	15-JUN-2009 23:44:41	Dark	34.000	63	Bet Gru	2.1500	2800.0	68	38132	No
189	GOM_NL__2PRFIN20090615_234645_000000342080_00002_38132_3479.N1	15-JUN-2009 23:46:45	Dark	34.000	31	Alp Gru	1.7340	15200.	68	38132	No
190	GOM_NL__2PRFIN20090615_234840_000000432080_00002_38132_3480.N1	15-JUN-2009 23:48:40	Straylight	42.500	172	Gam Gru	3.0030	13100.	85	38132	No

### 3. Quality information per product

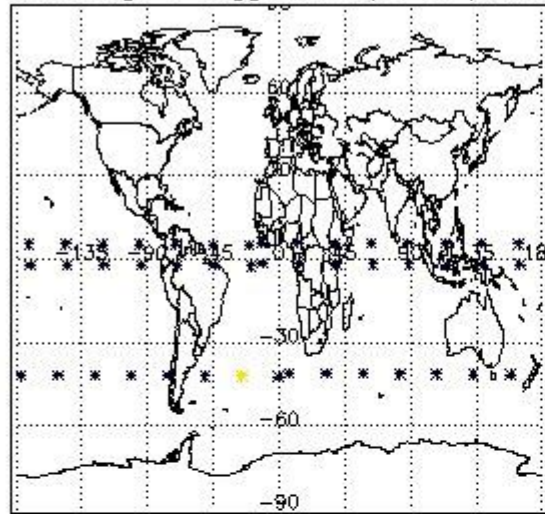
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

#### 3.1 Plot quality information per product (time dependant)

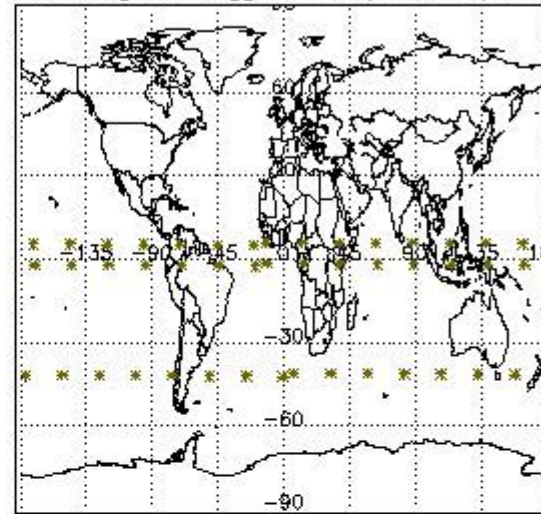


3.2 Plot quality information per product (world map)

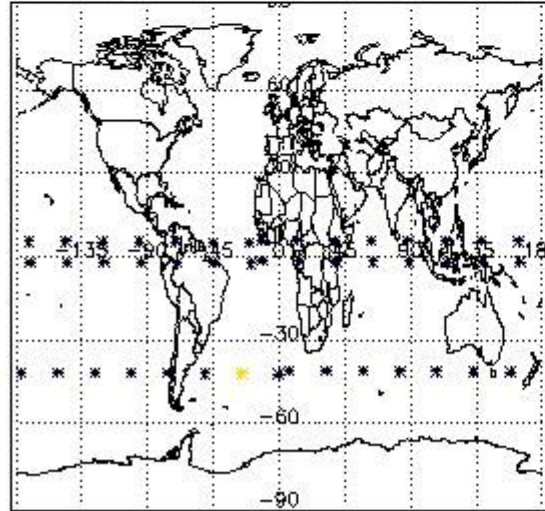
Percentage of flagged data per O3 profile



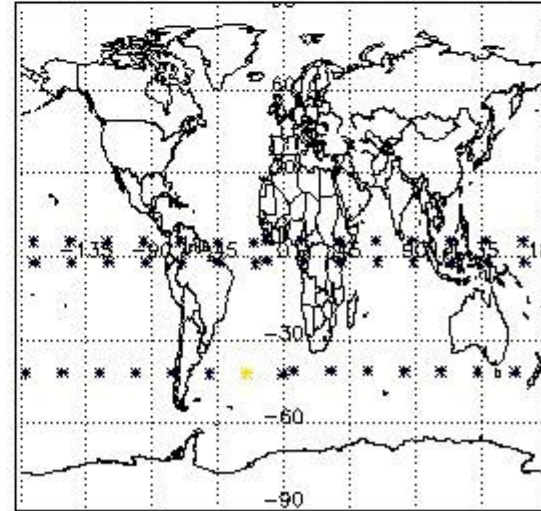
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile



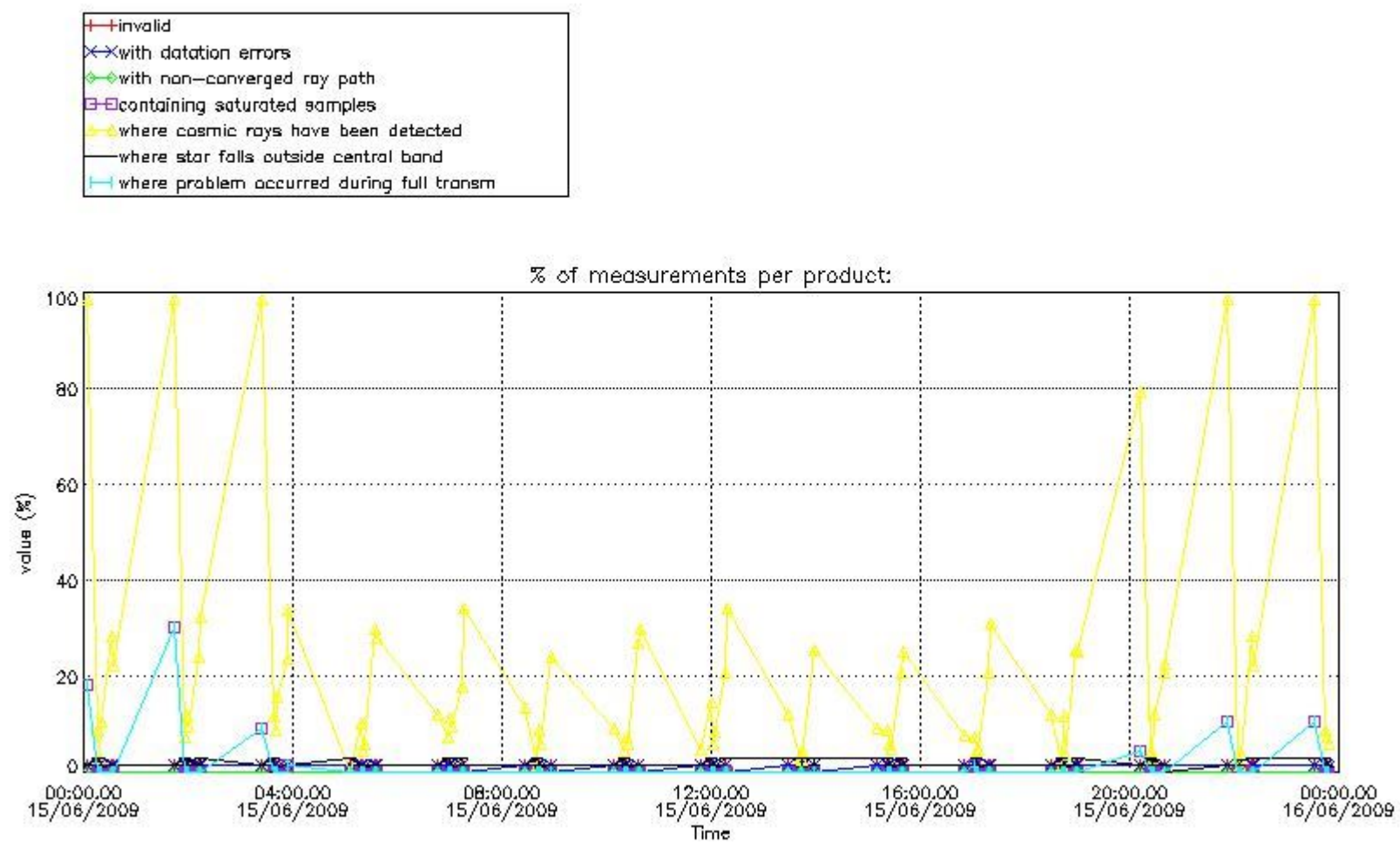
#### 4. Level 1 quality information per product

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.

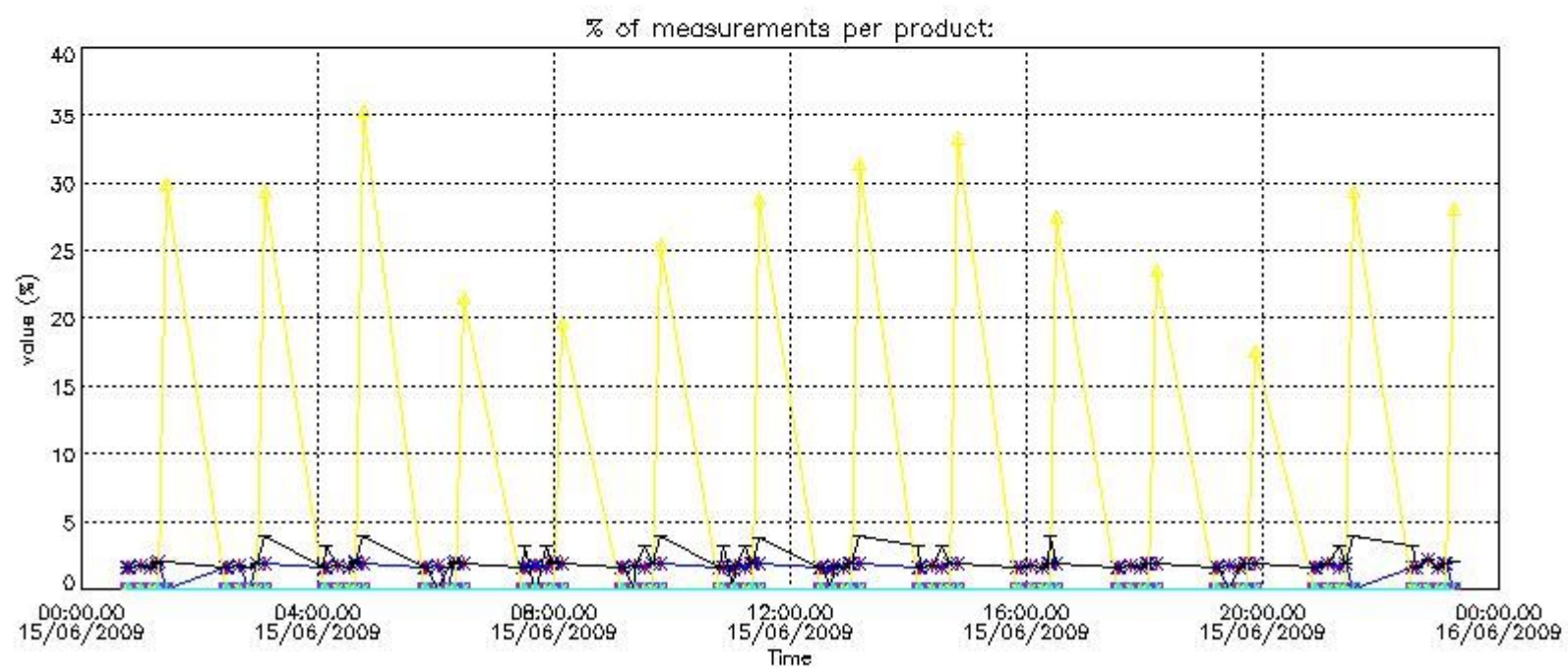
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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





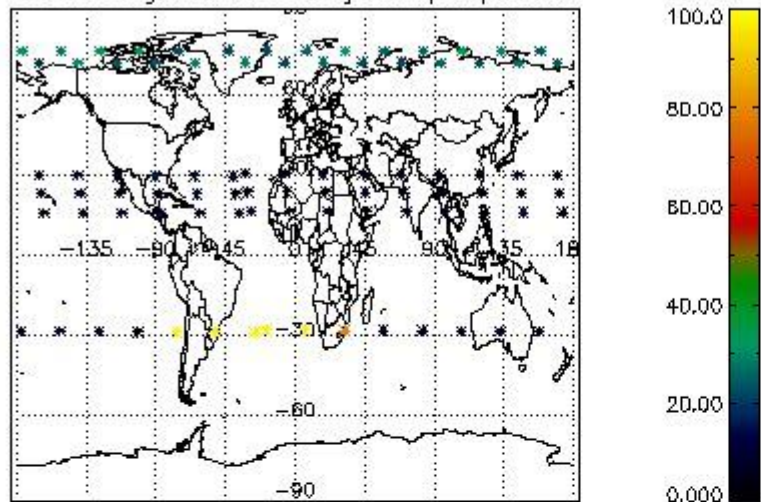
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



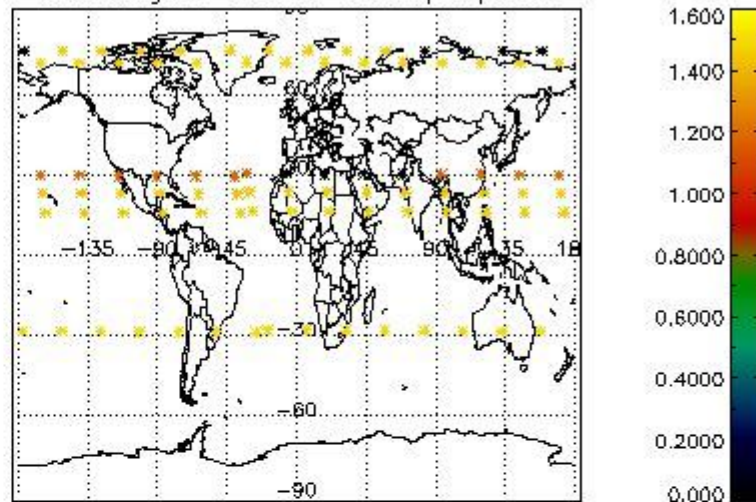
4.2 Plot quality information per product coming from level 1b processing (world map)

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

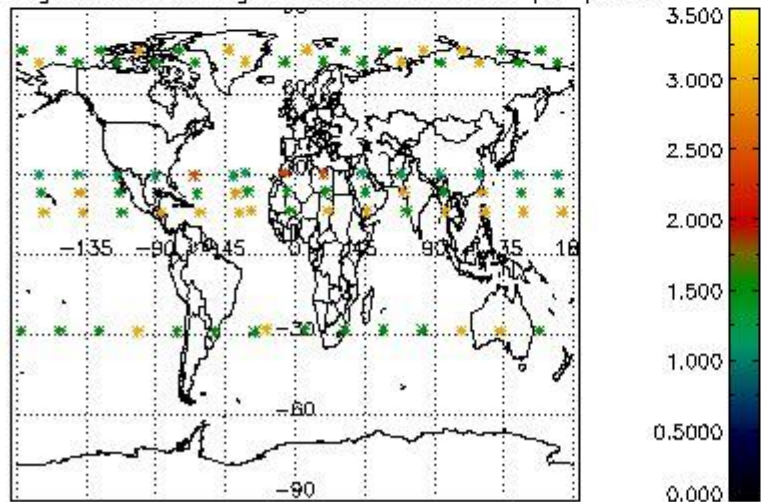
Percentage of cosmic ray hits per profile



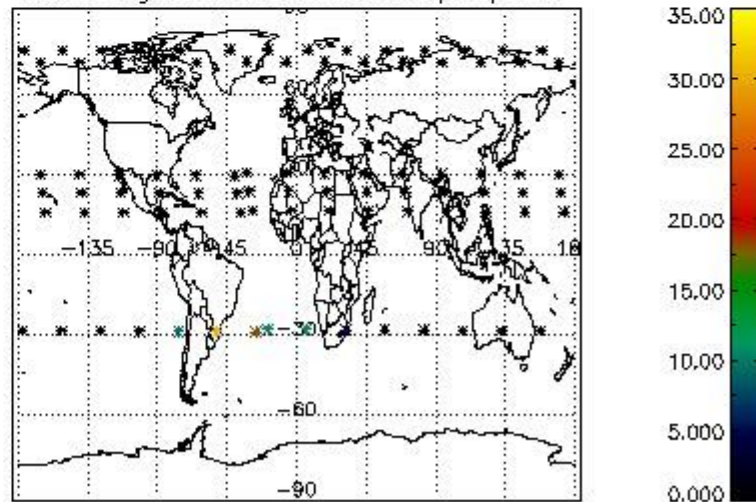
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

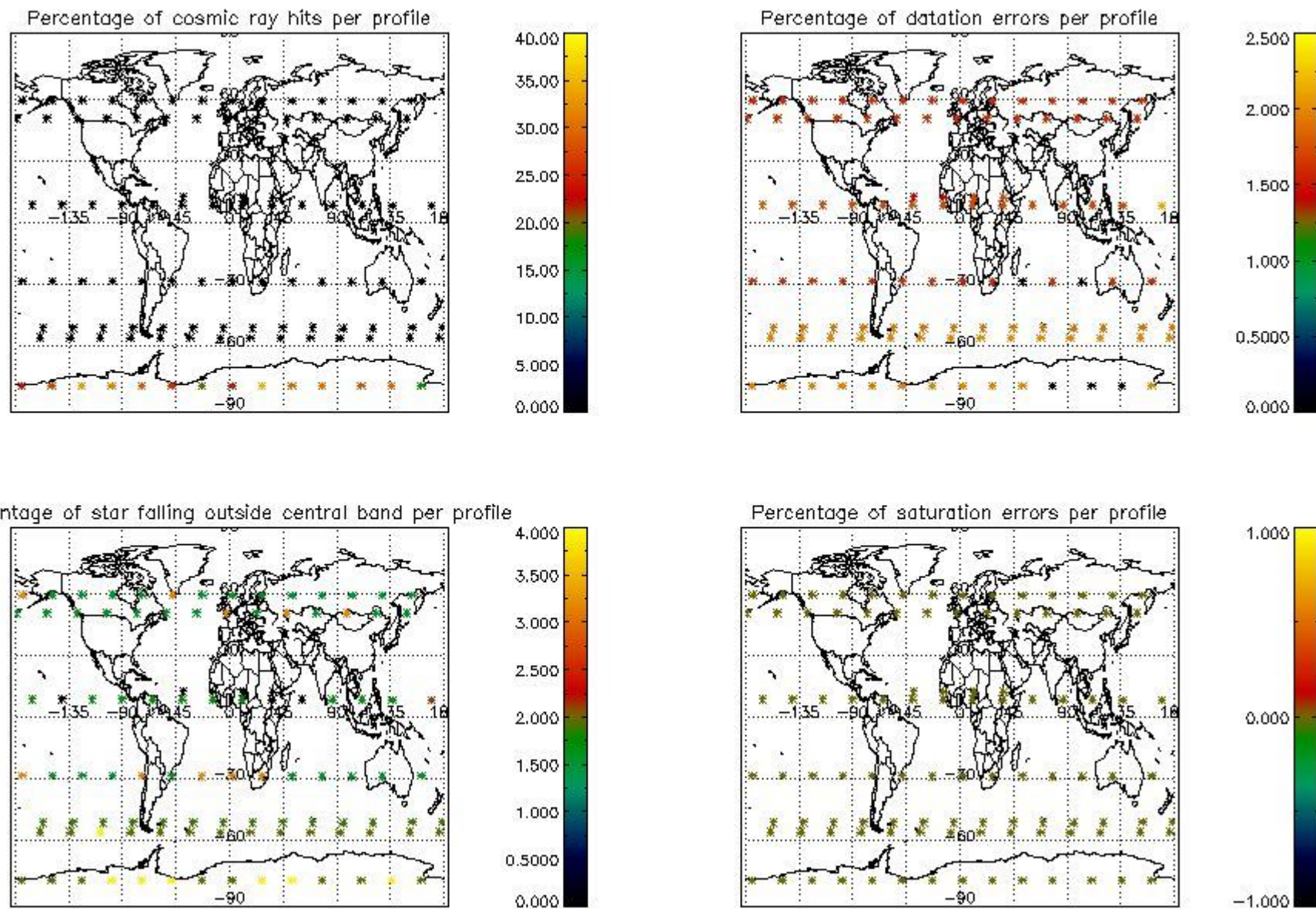


Percentage of saturation errors per profile



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.

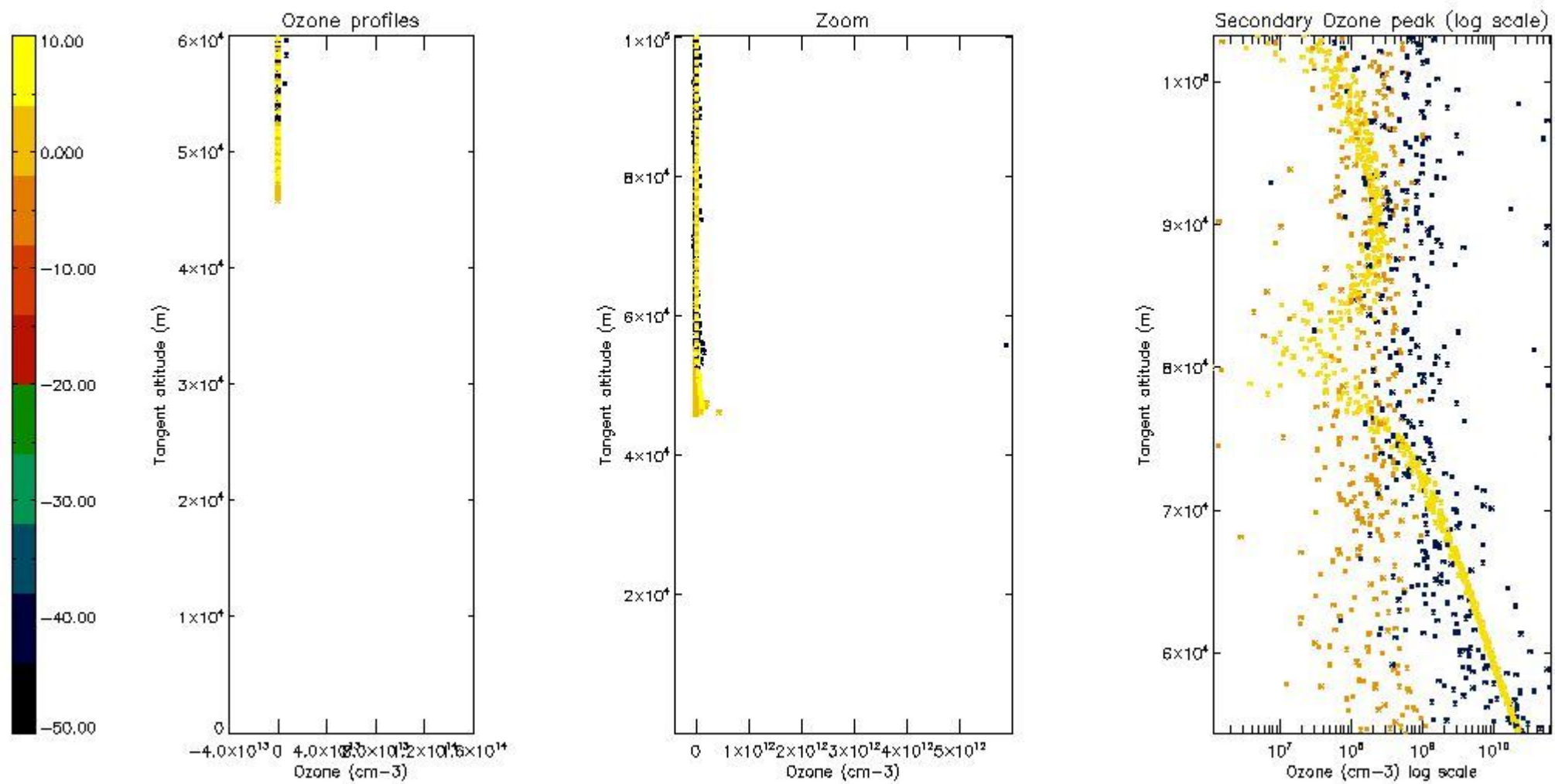
Criteria	% of total production
All STD	25
STD < 20	5



STD < 10	3
STD < 5	3

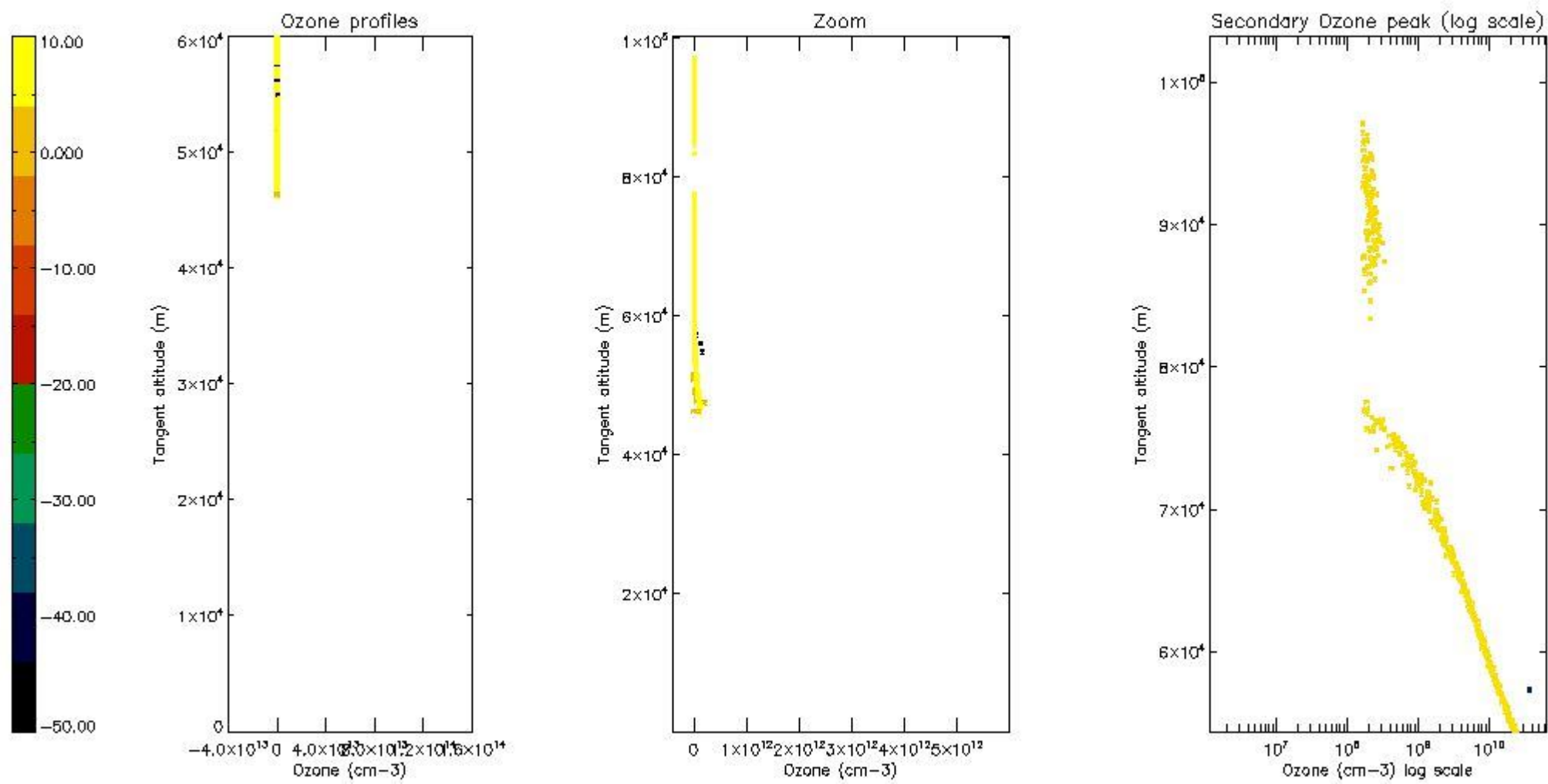
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



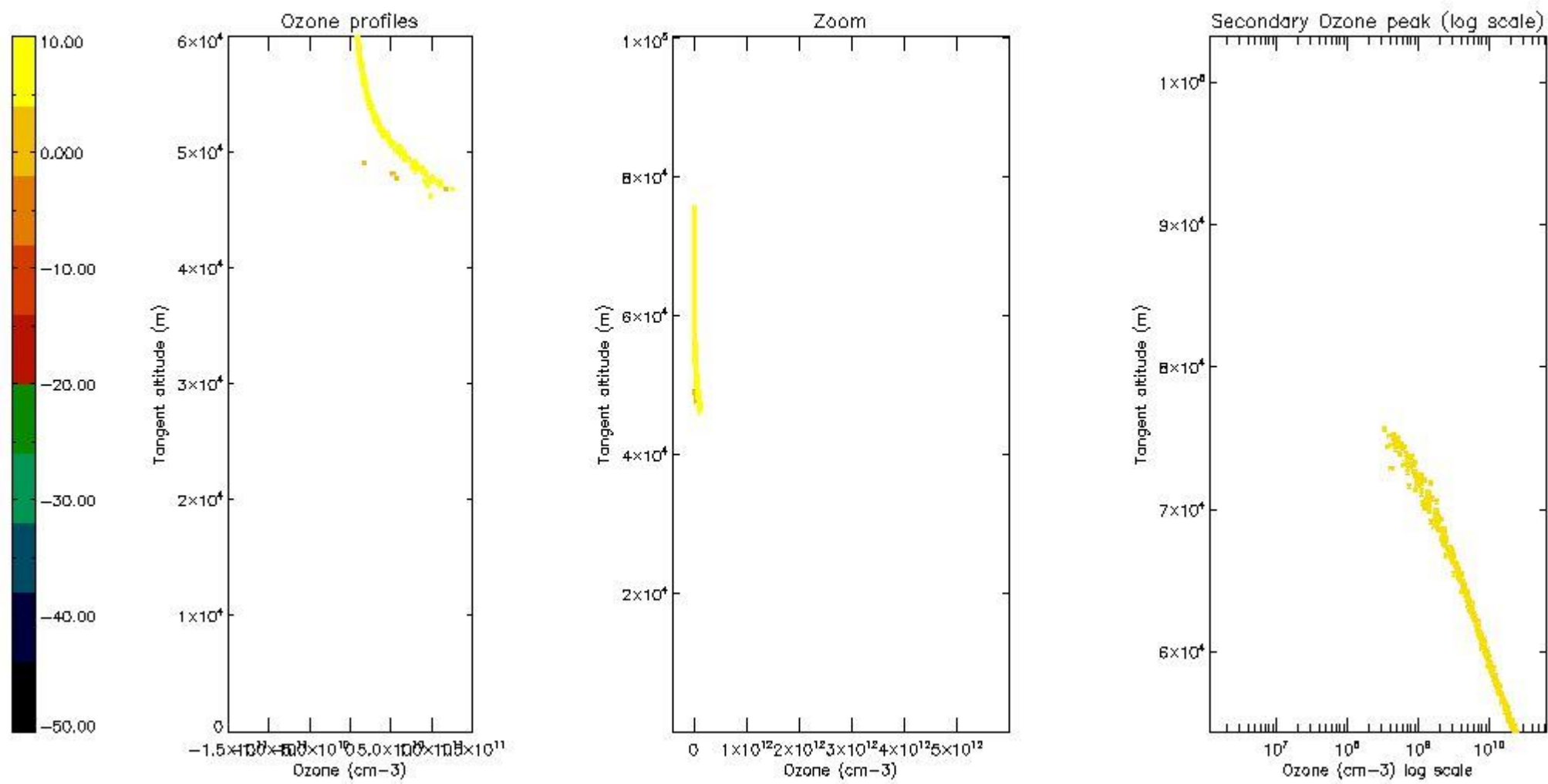
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



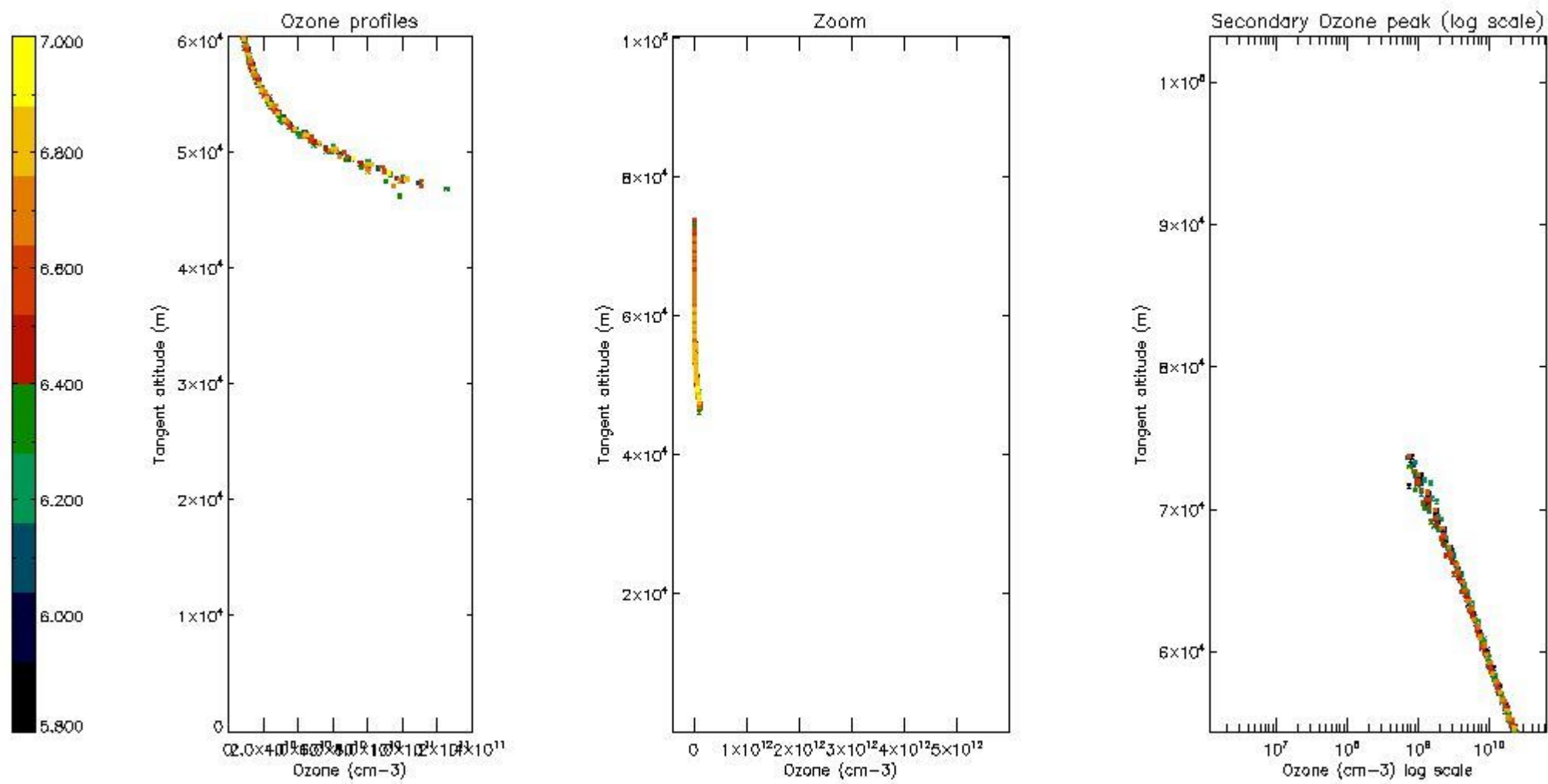
5.4 Plot ozone profiles where  $STD < 10\%$  (dark without errors)

The colorbar represents the latitude.



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

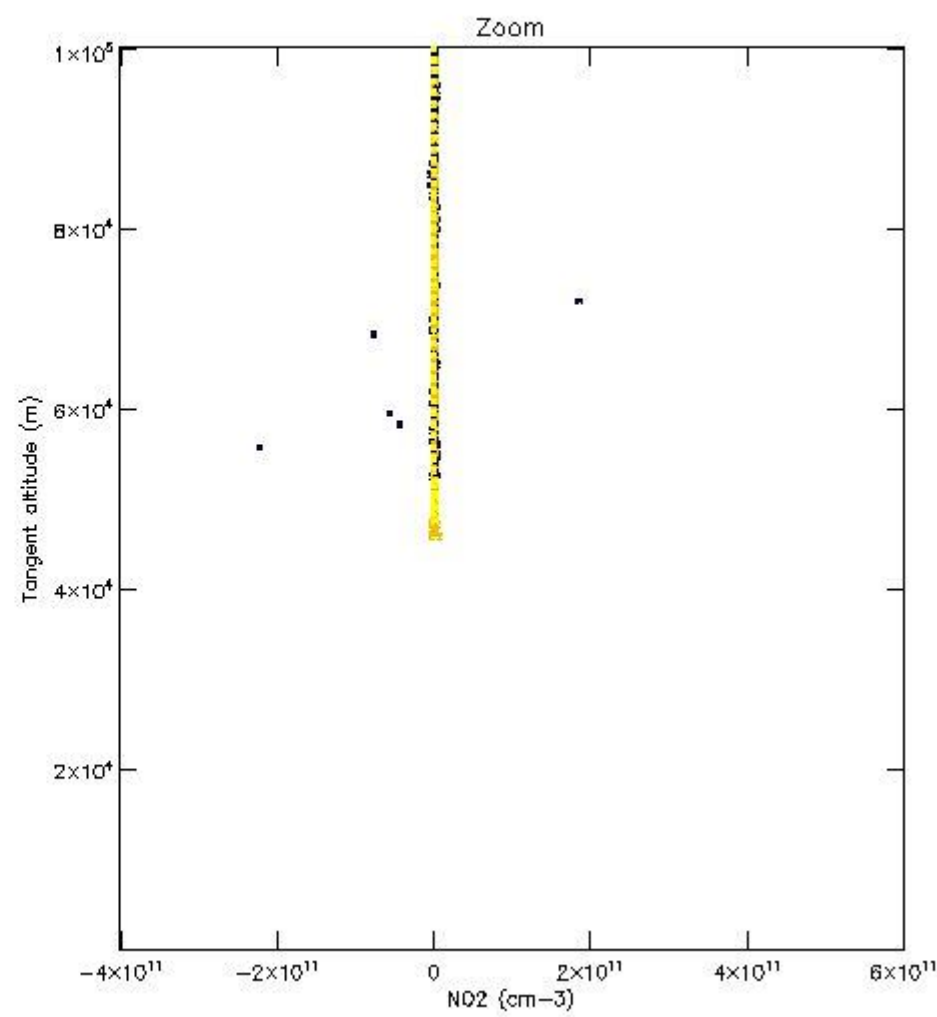
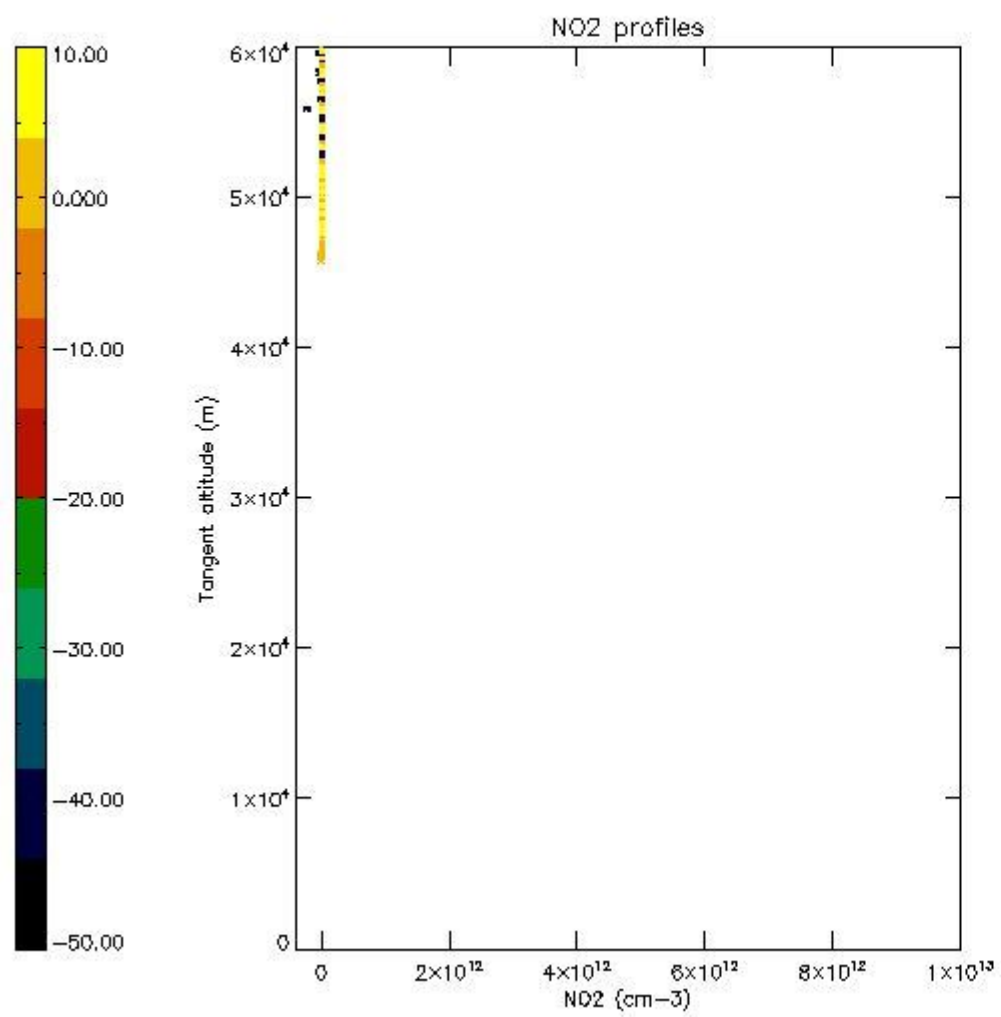
The colorbar represents the latitude.



*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

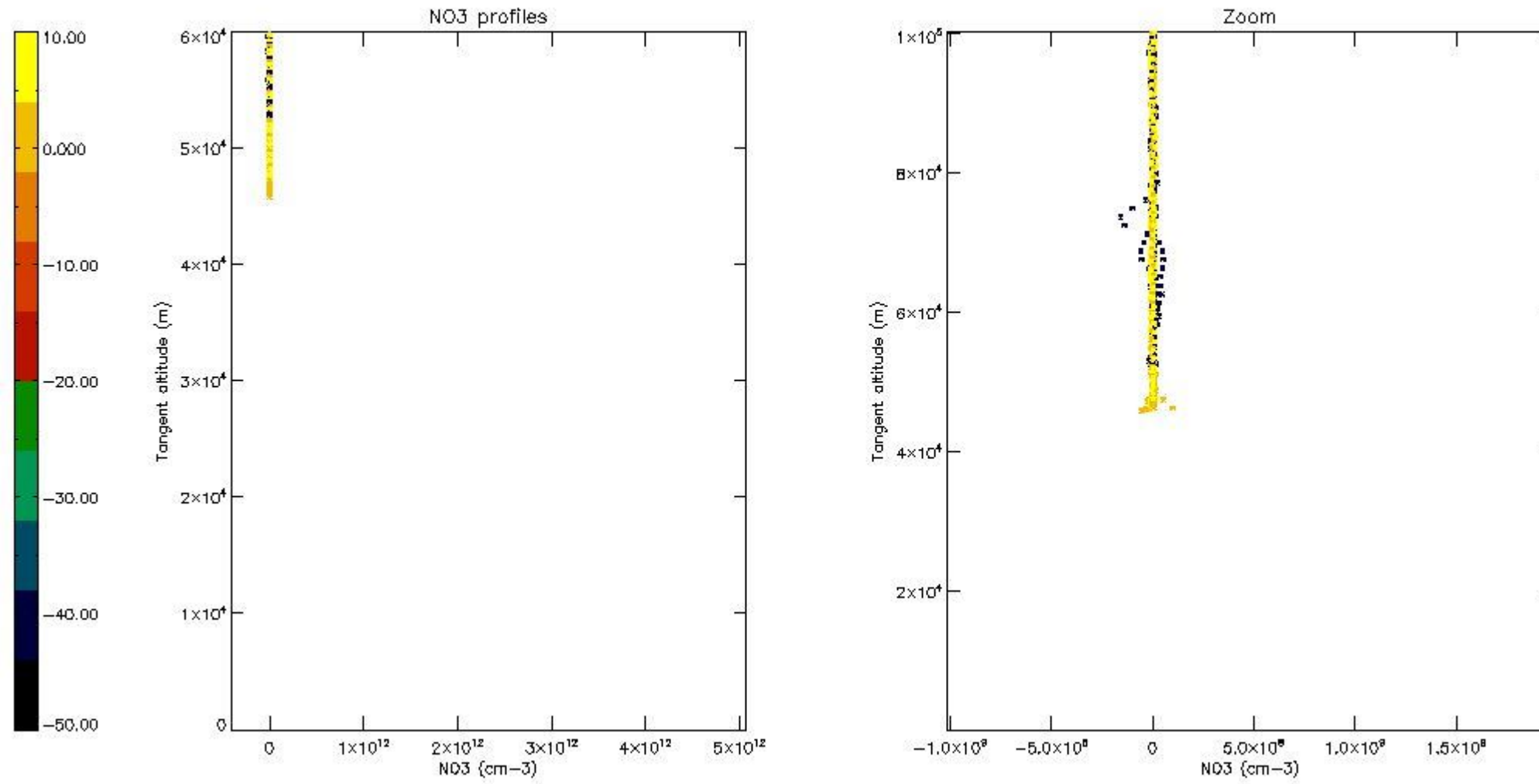
The colorbar represents the latitude.





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

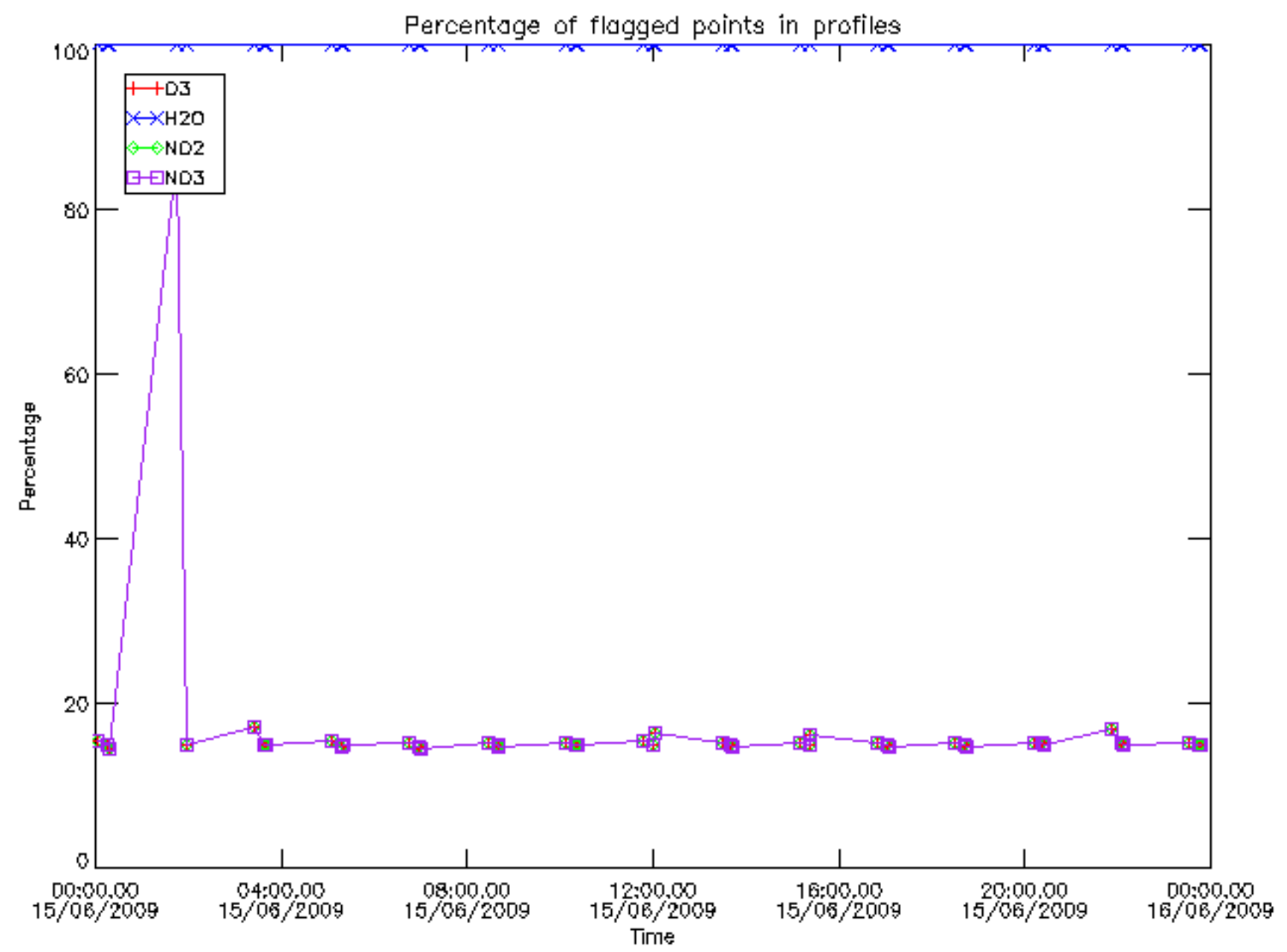
The colorbar represents the latitude.



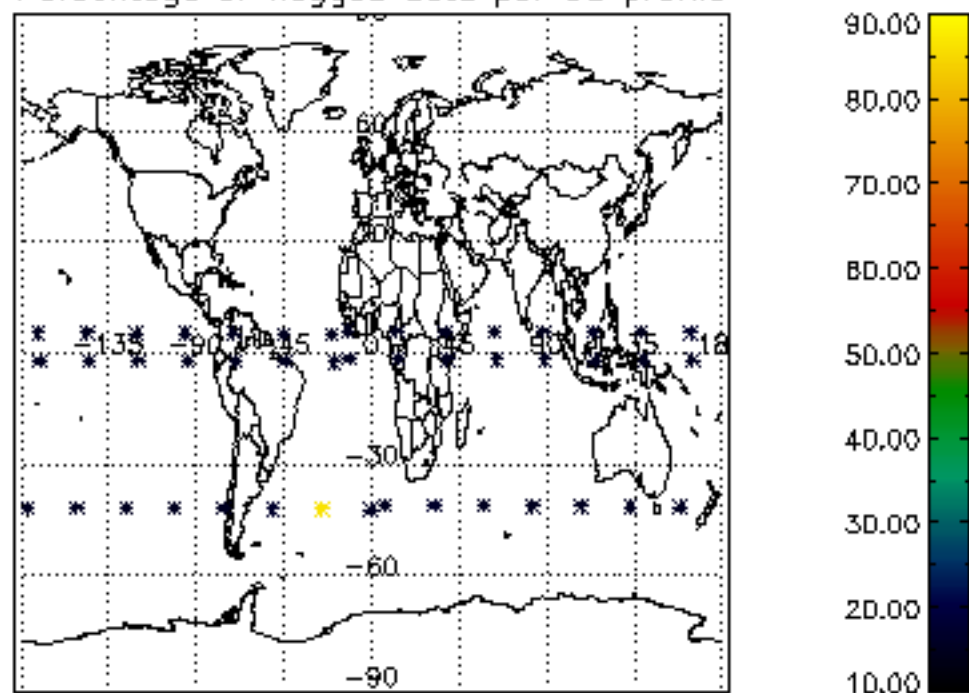
## 6. Auxiliary Data Files used for the production reported in section 2

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.

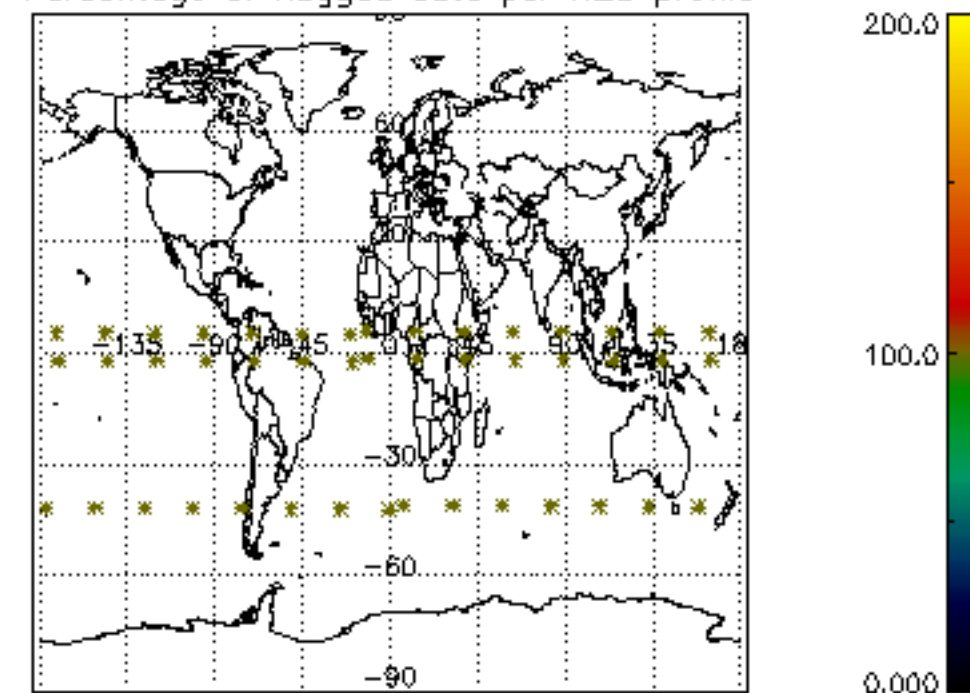
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	15-JUN-2009 00:03:38
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	15-JUN-2009 00:03:38
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	15-JUN-2009 00:03:38



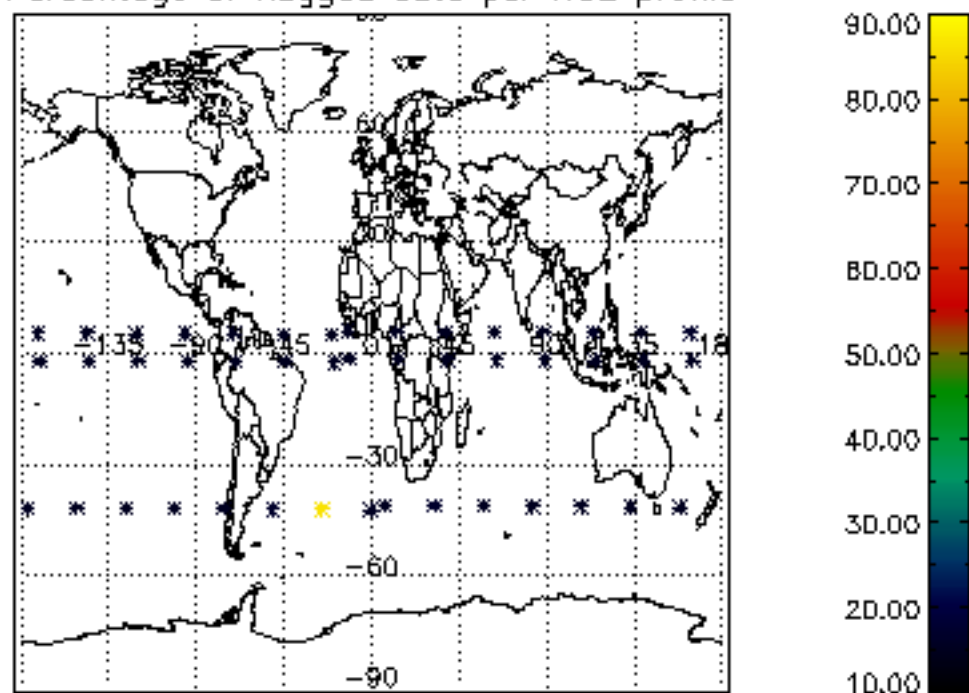
Percentage of flagged data per D3 profile



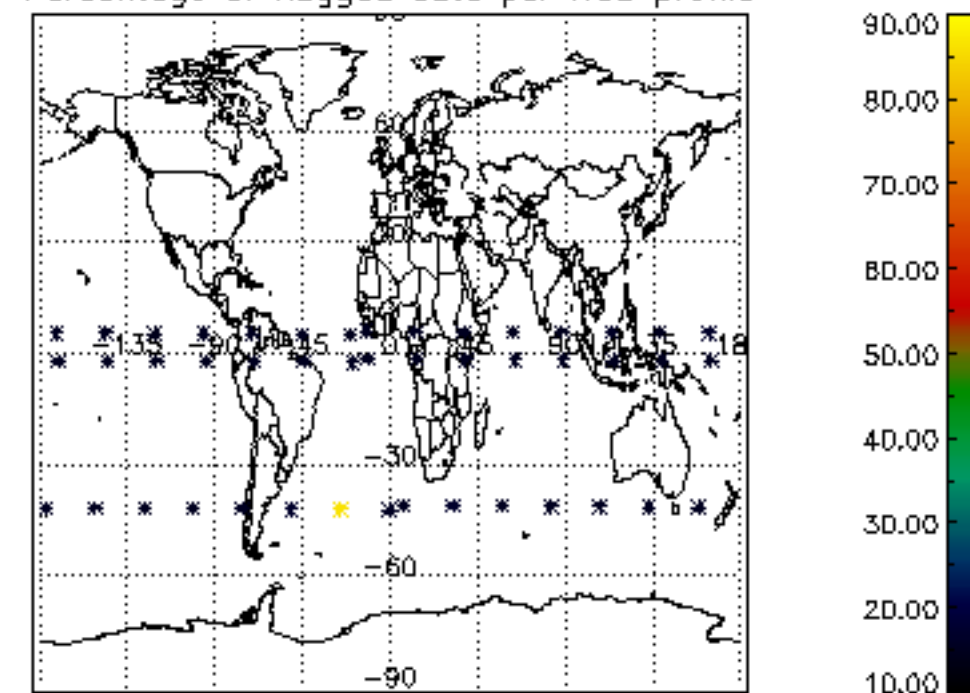
Percentage of flagged data per H2O profile



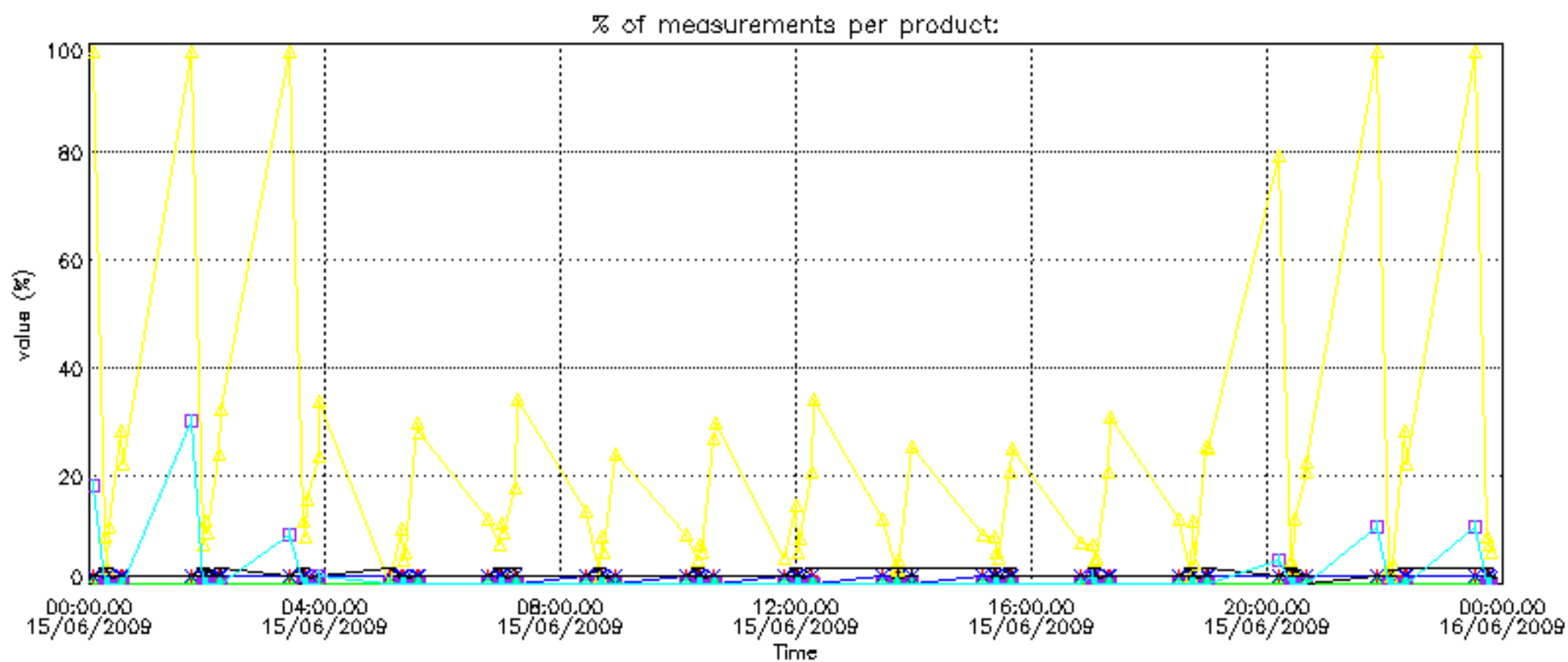
Percentage of flagged data per NO2 profile

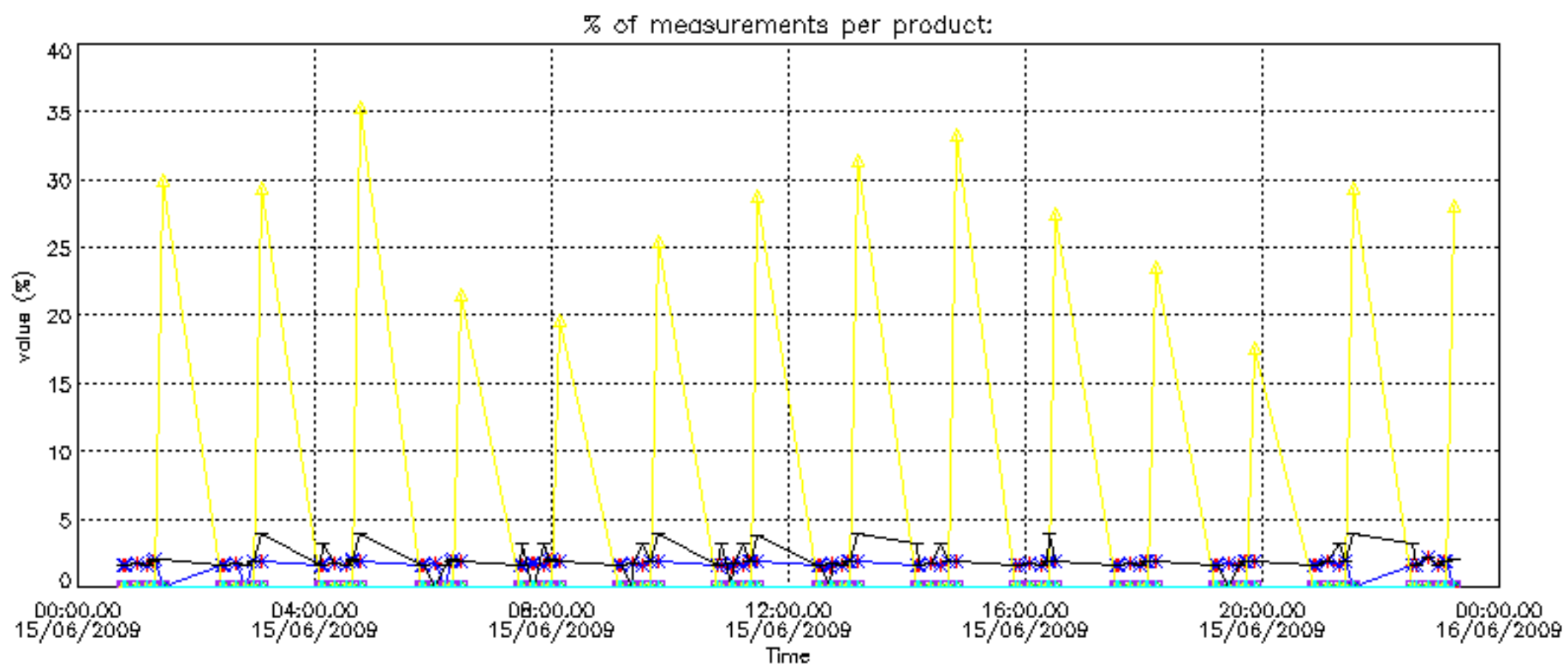


Percentage of flagged data per NO3 profile

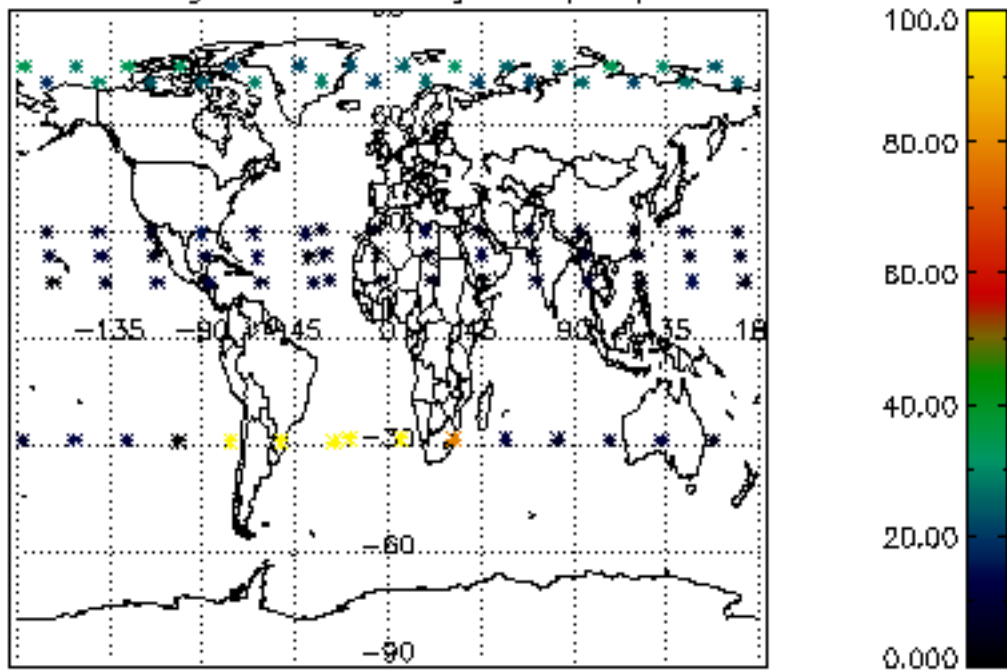




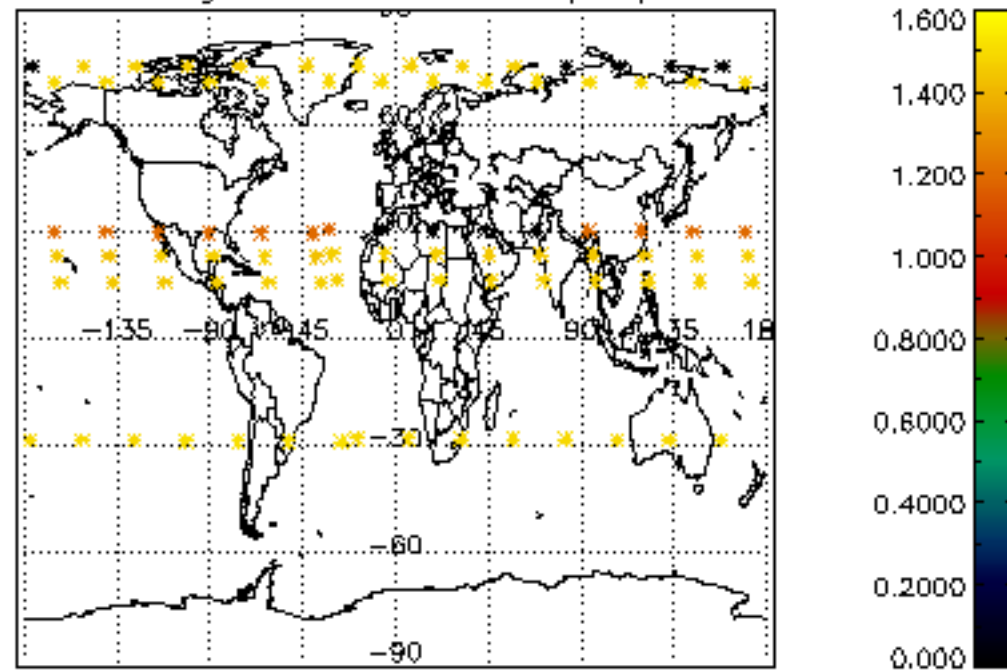




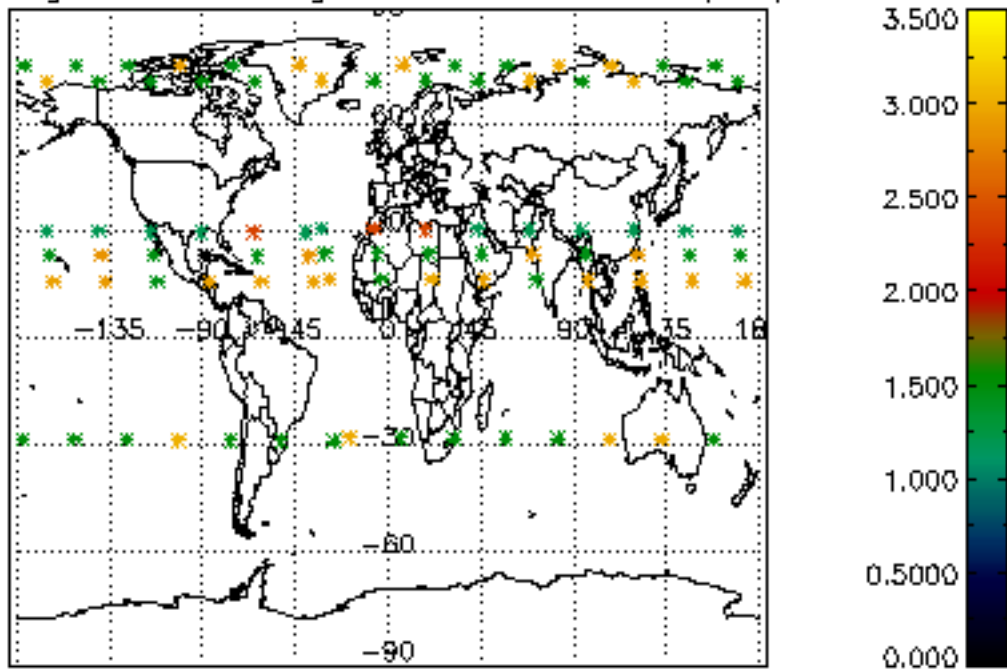
Percentage of cosmic ray hits per profile



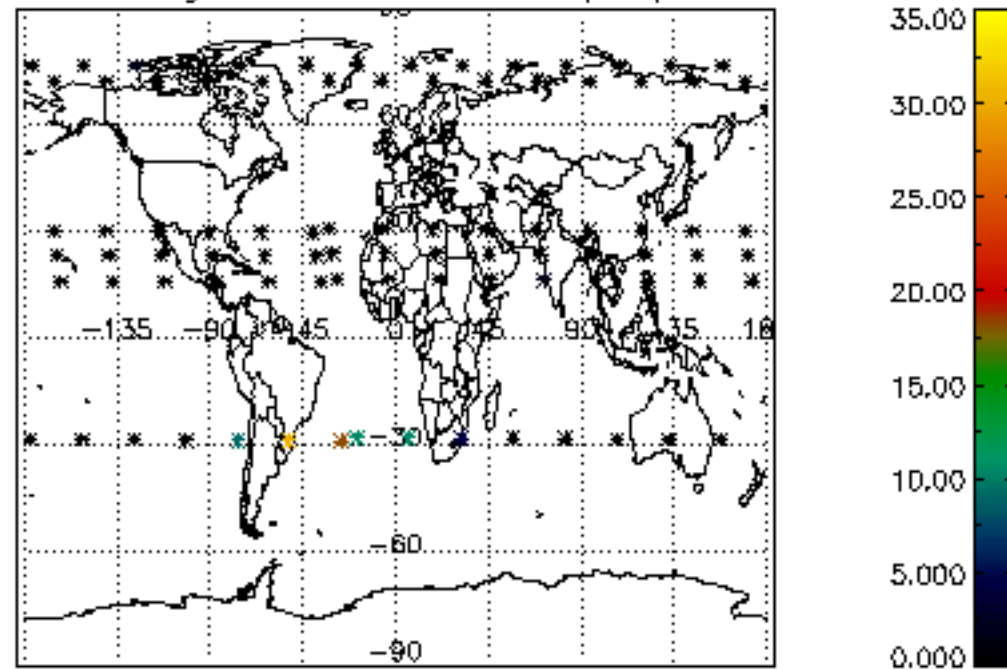
Percentage of datation errors per profile



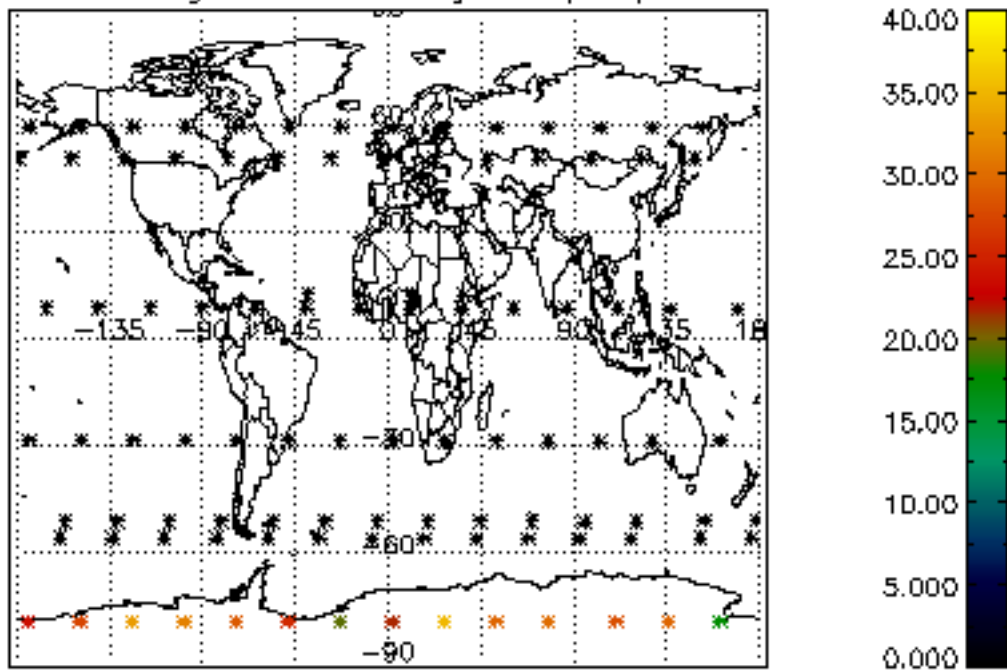
Percentage of star falling outside central band per profile



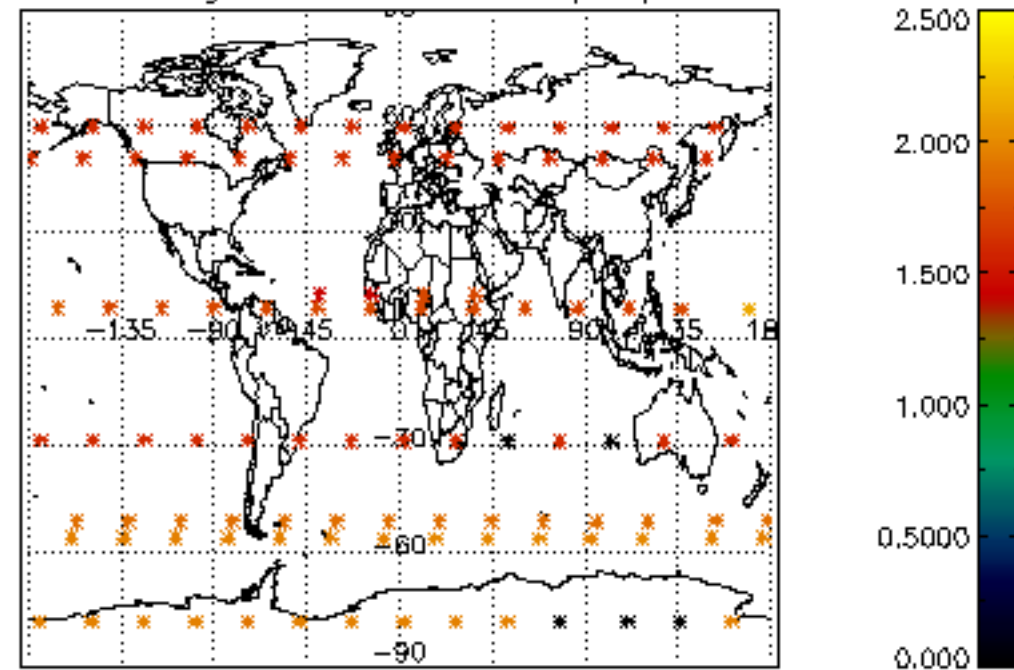
Percentage of saturation errors per profile



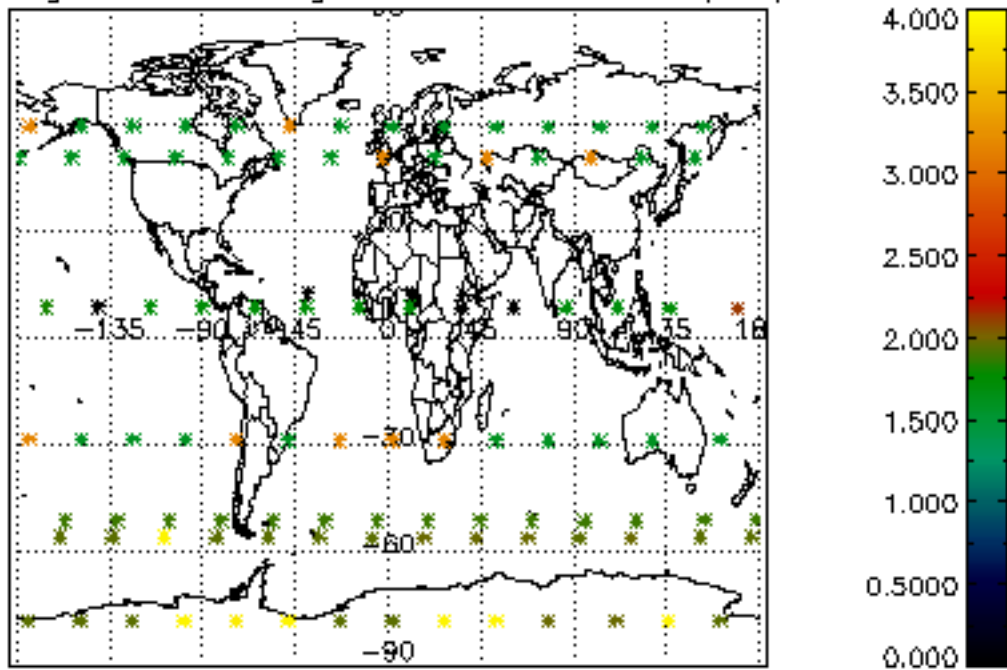
Percentage of cosmic ray hits per profile



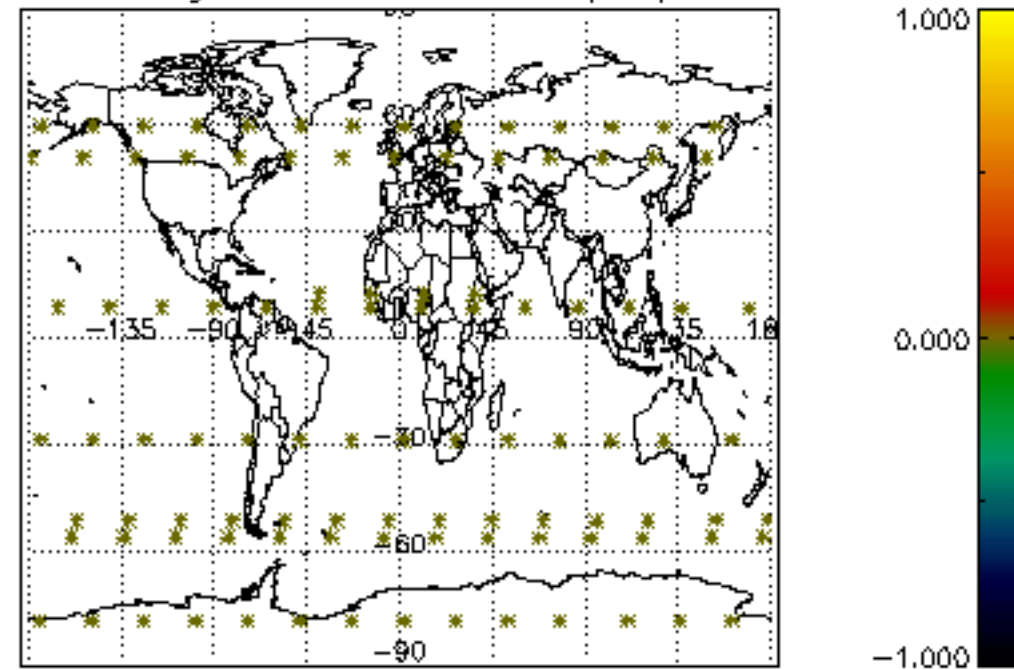
Percentage of datation errors per profile



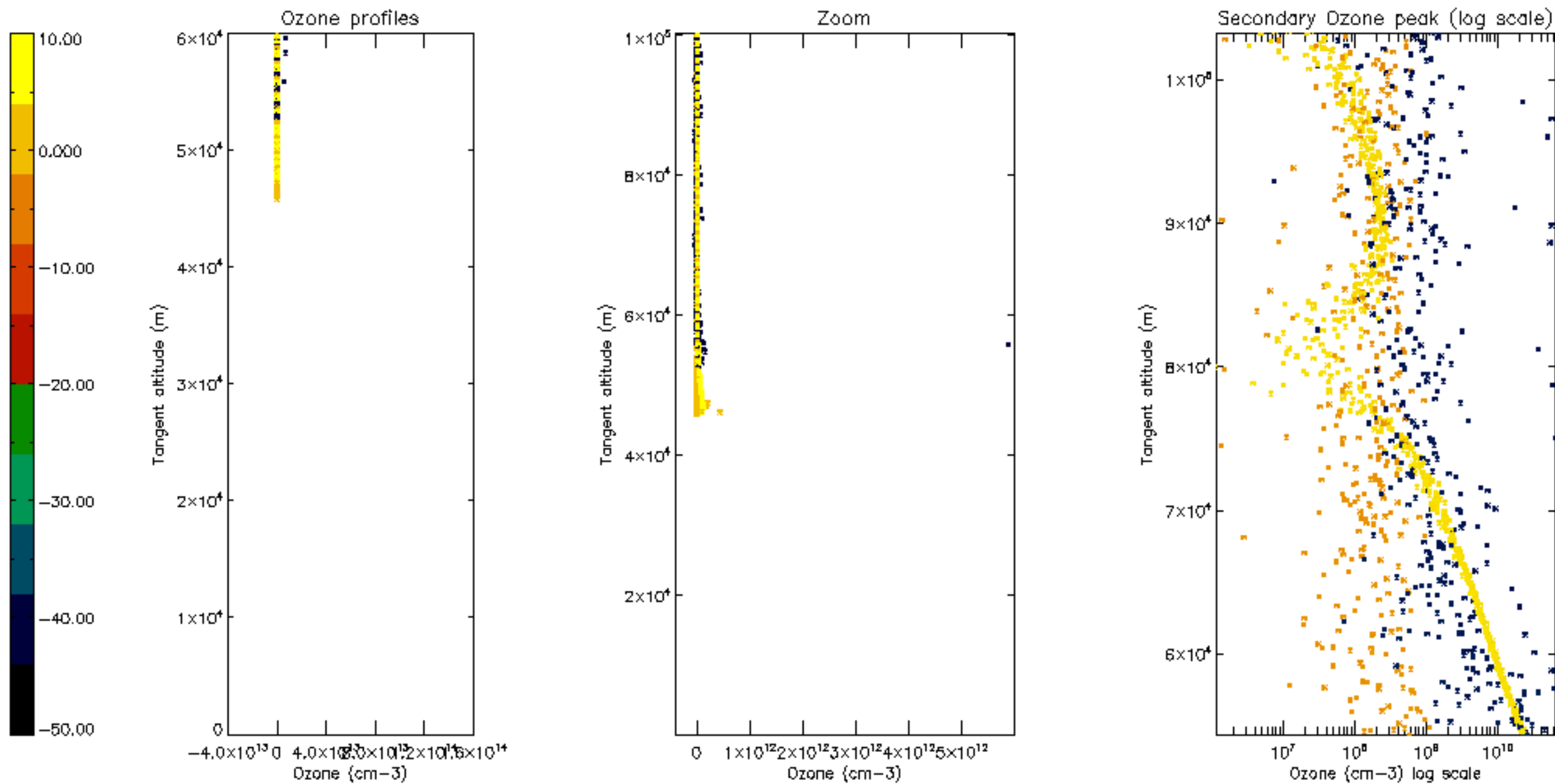
Percentage of star falling outside central band per profile

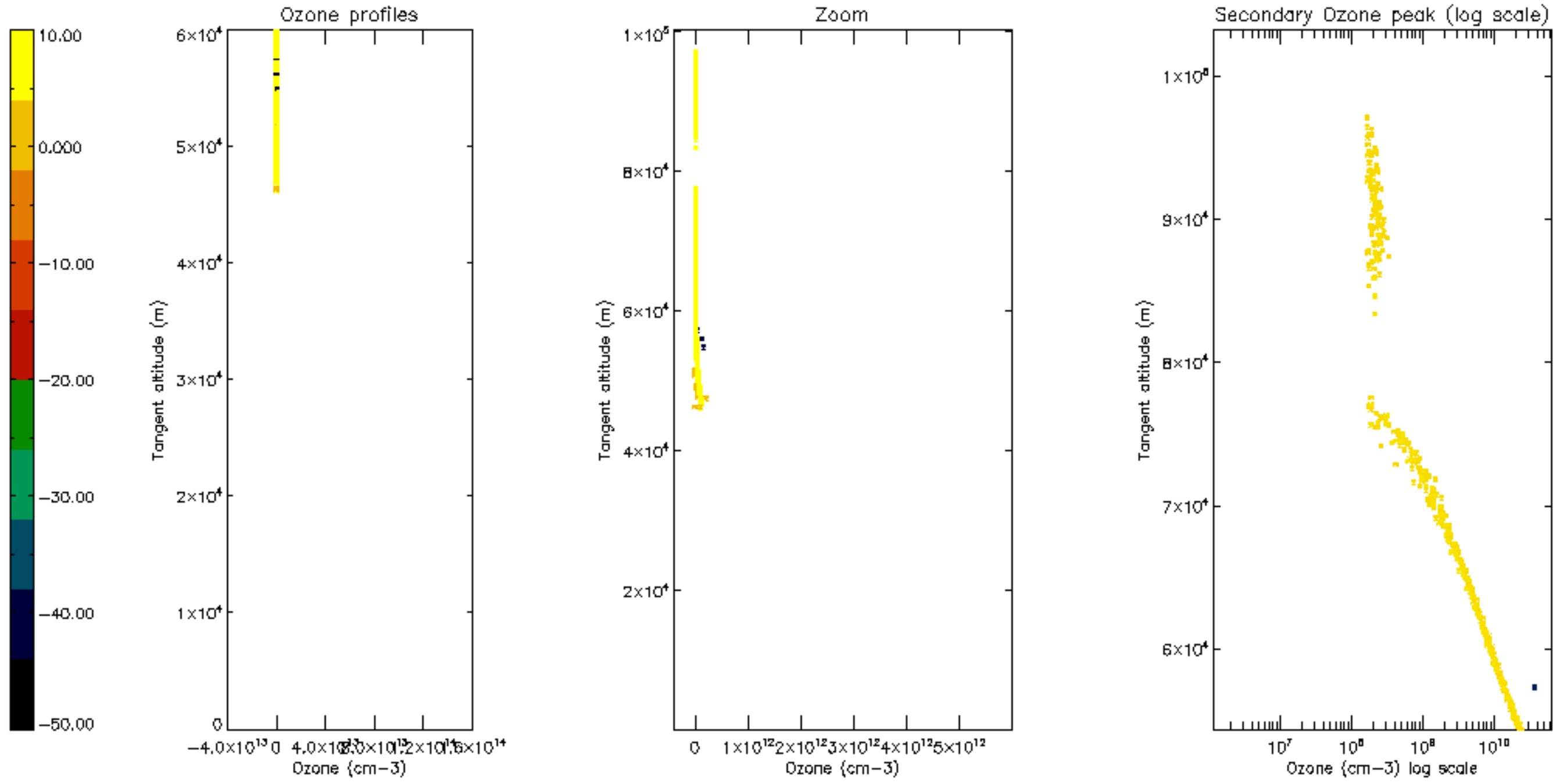


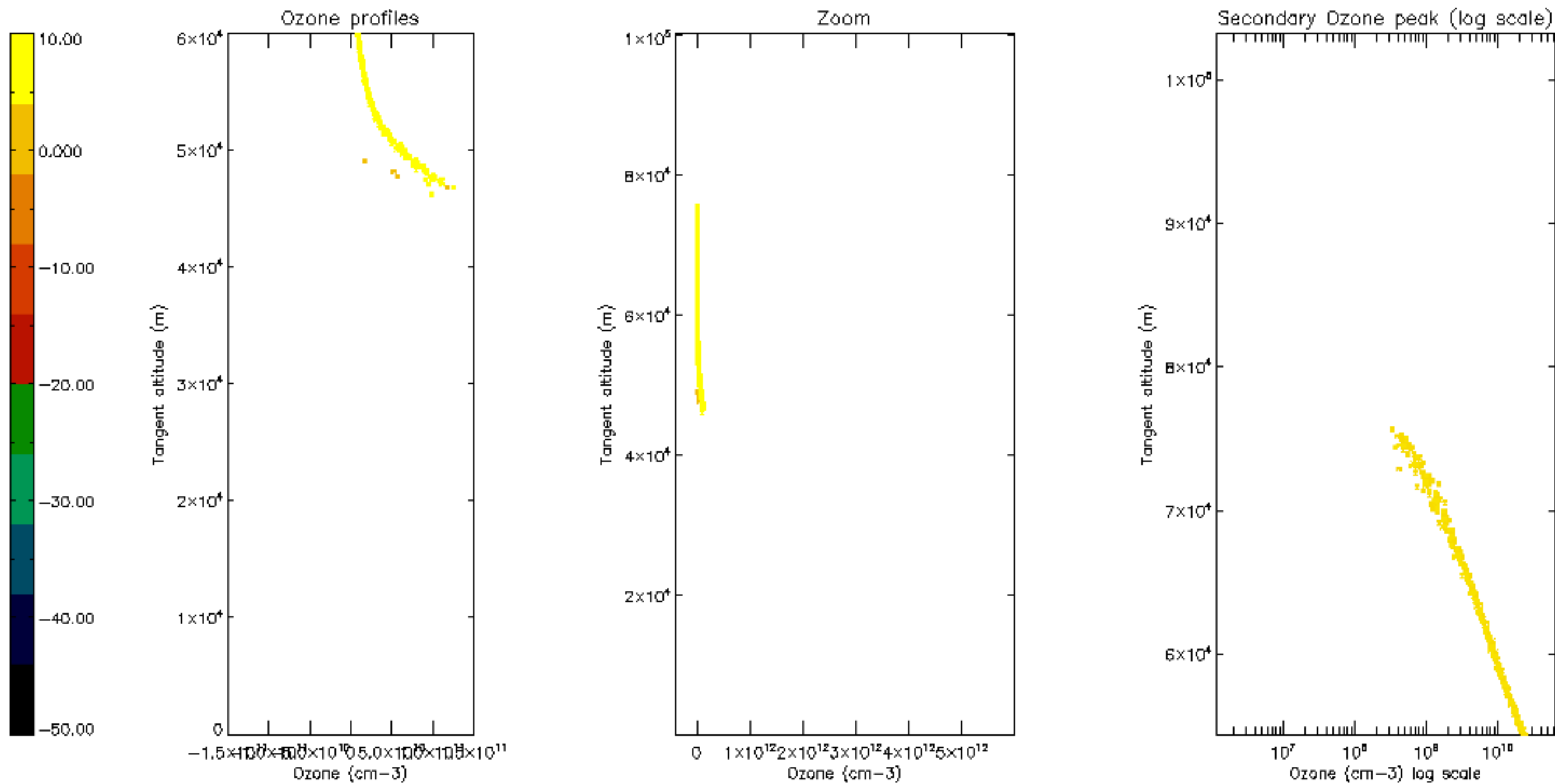
Percentage of saturation errors per profile

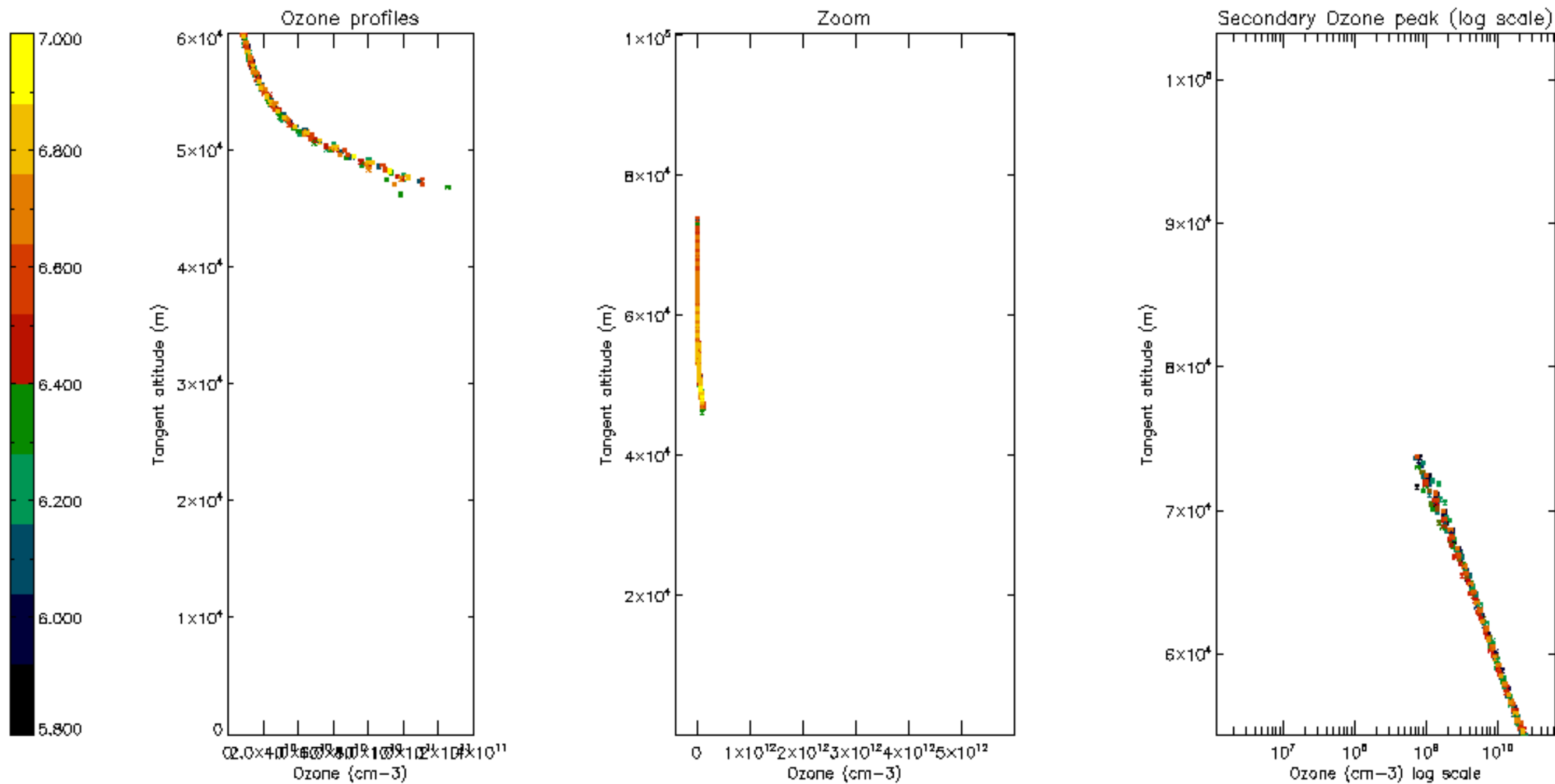




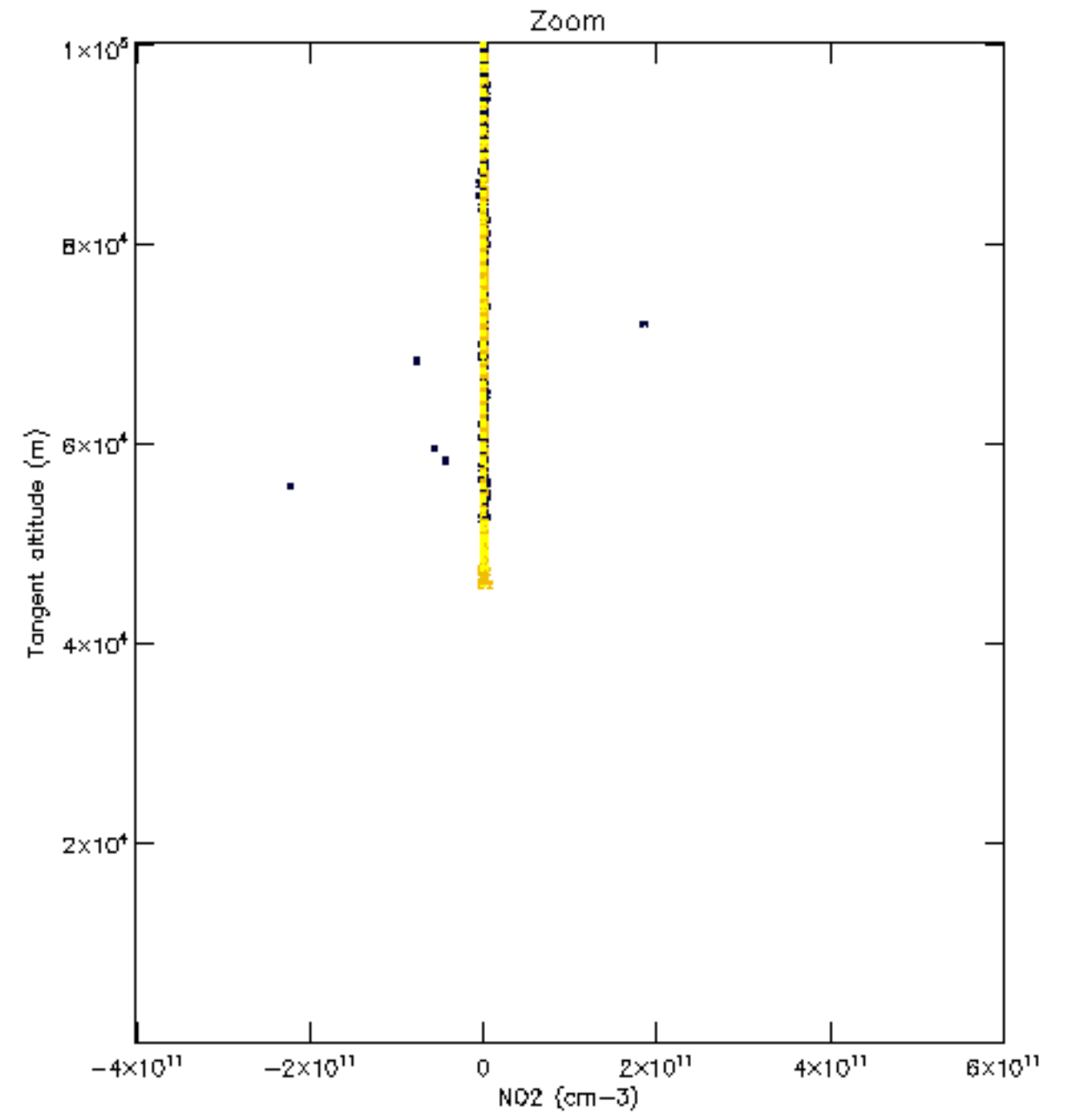
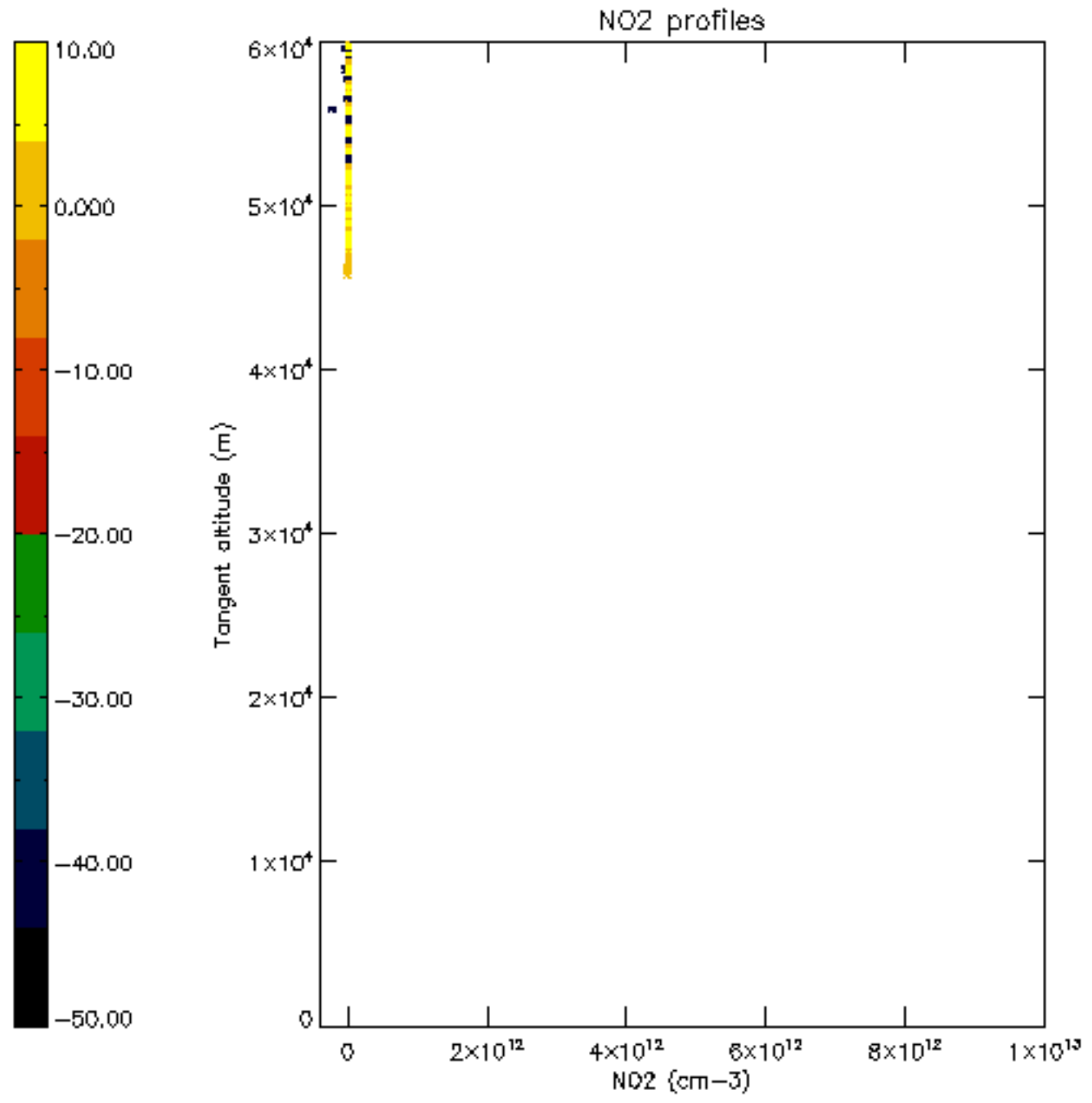


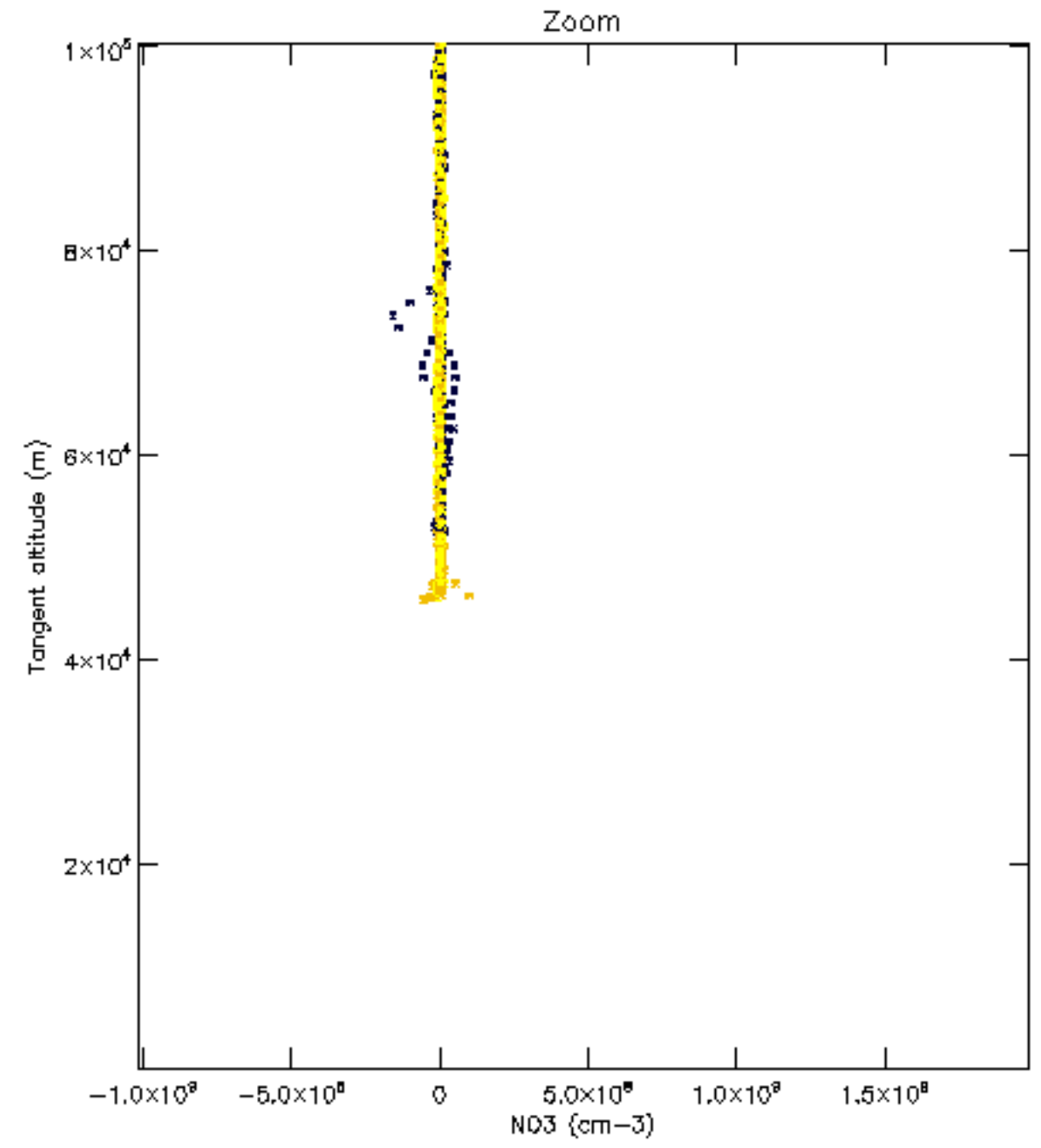
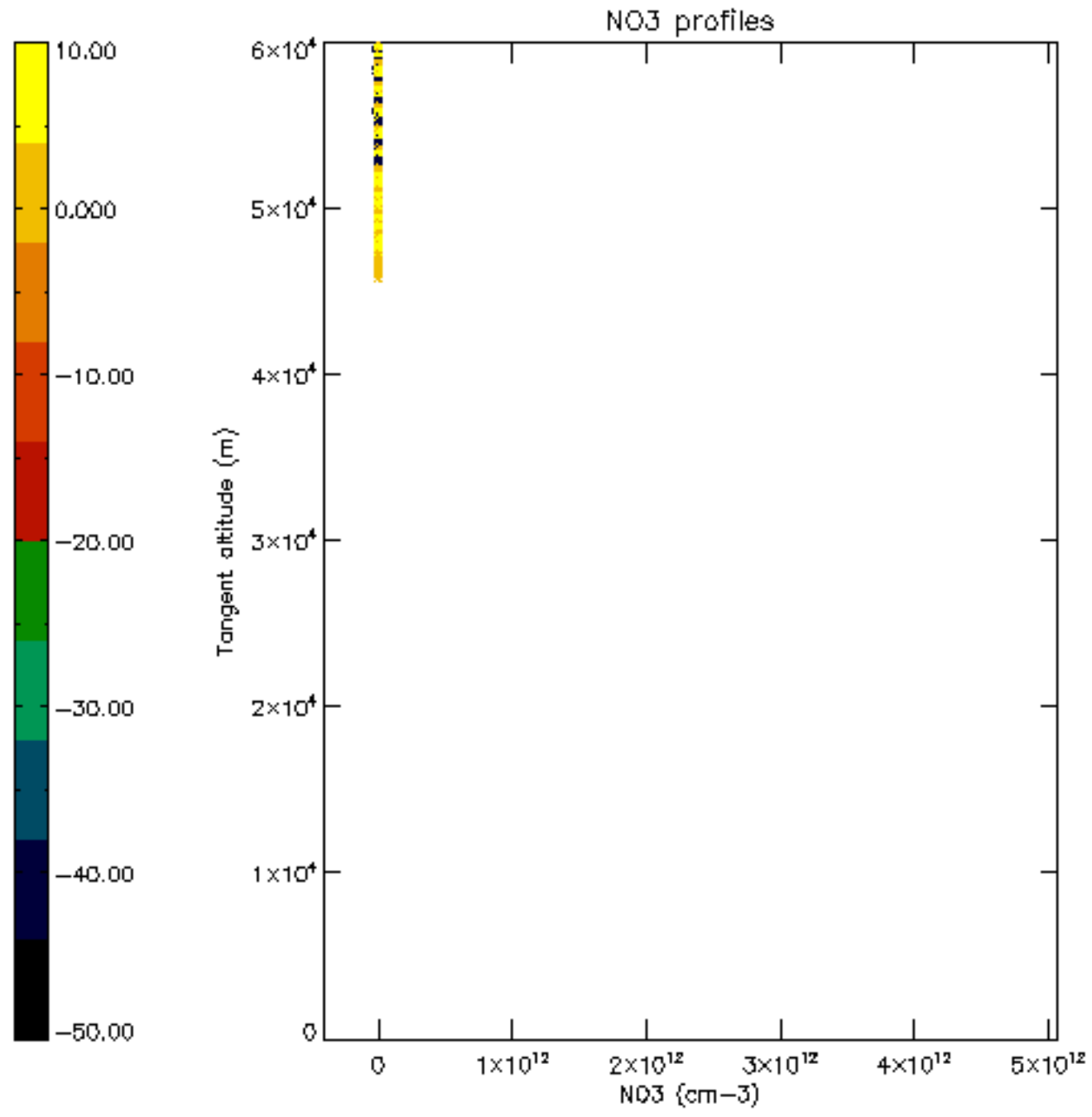


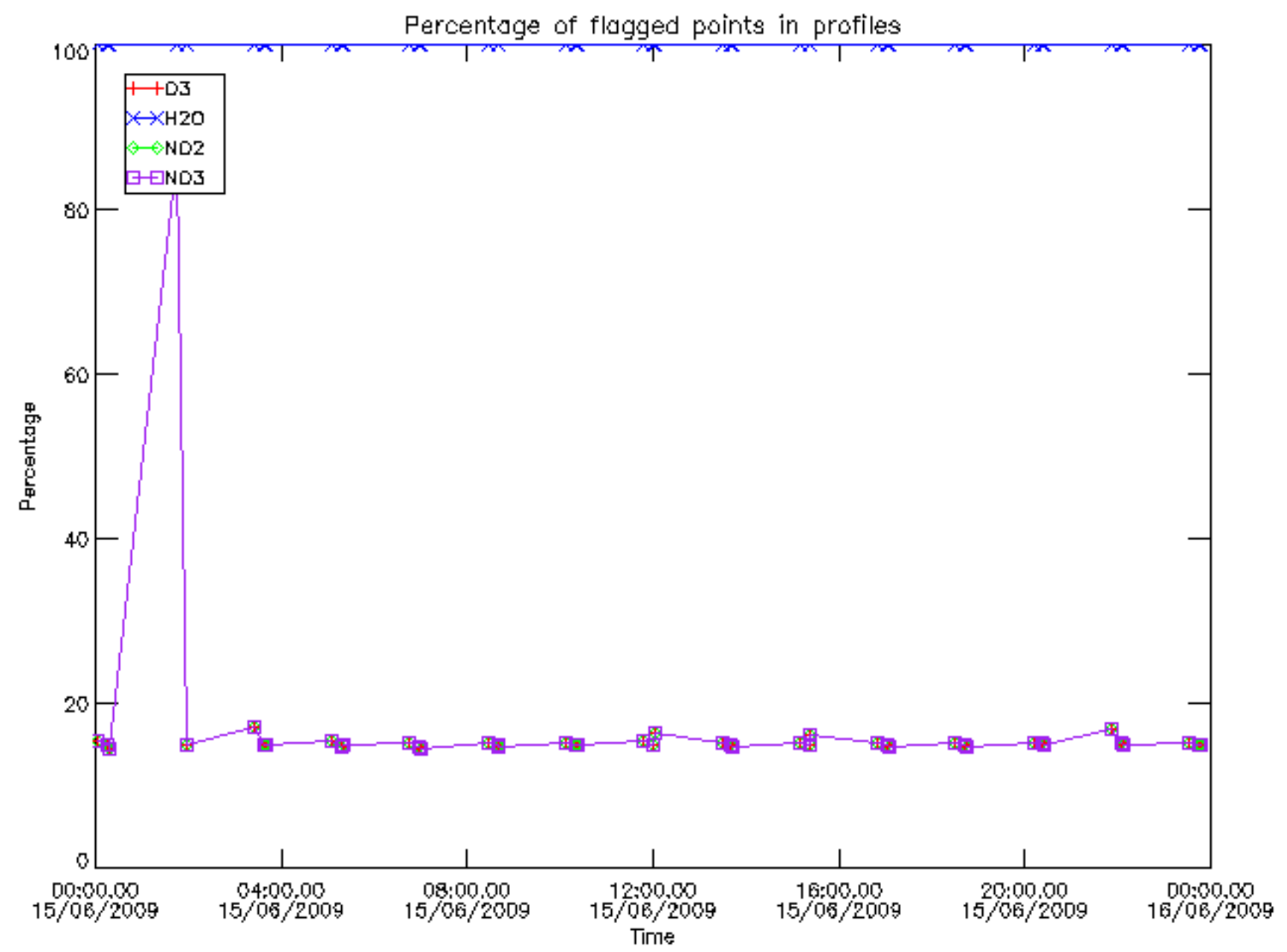




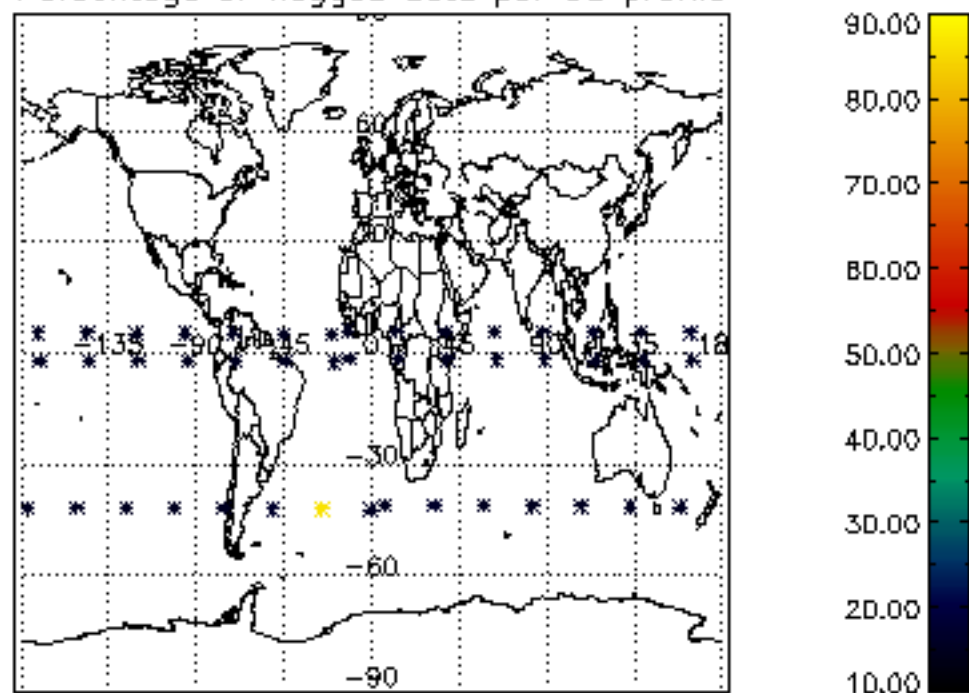




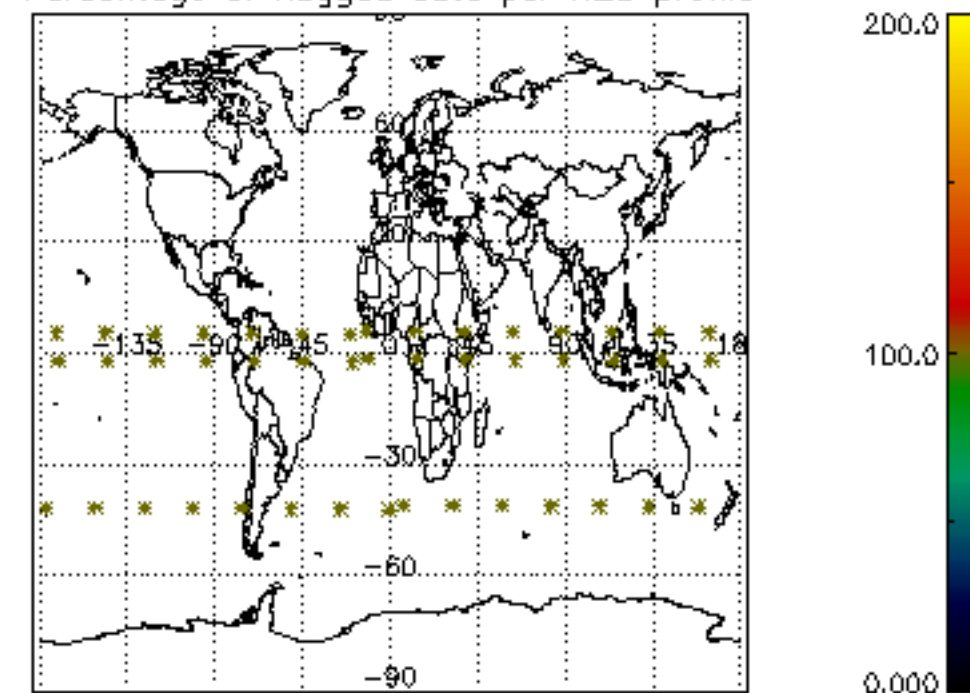




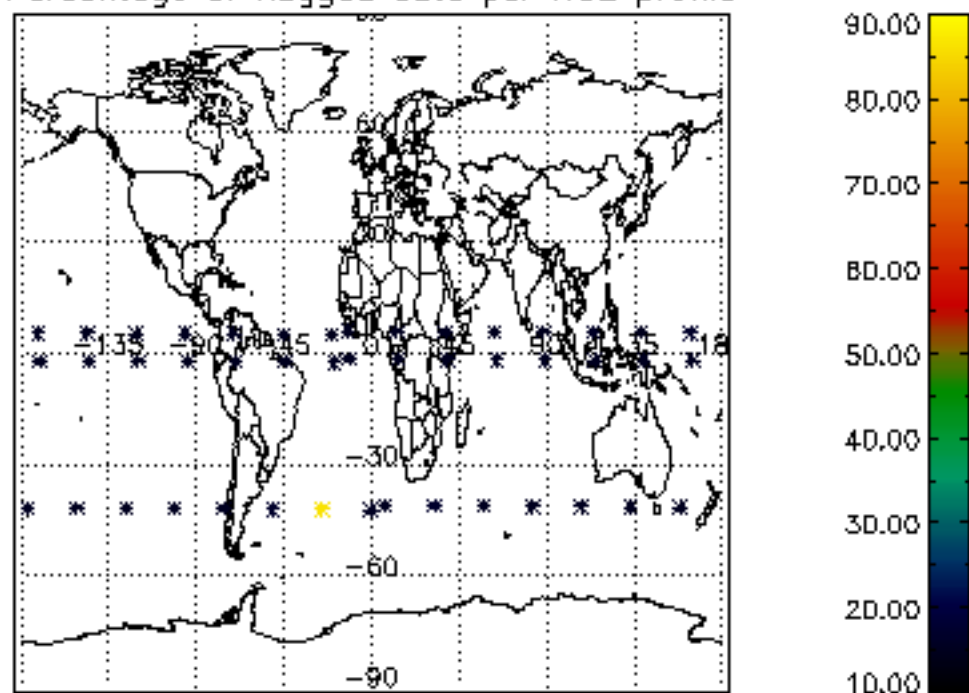
Percentage of flagged data per D3 profile



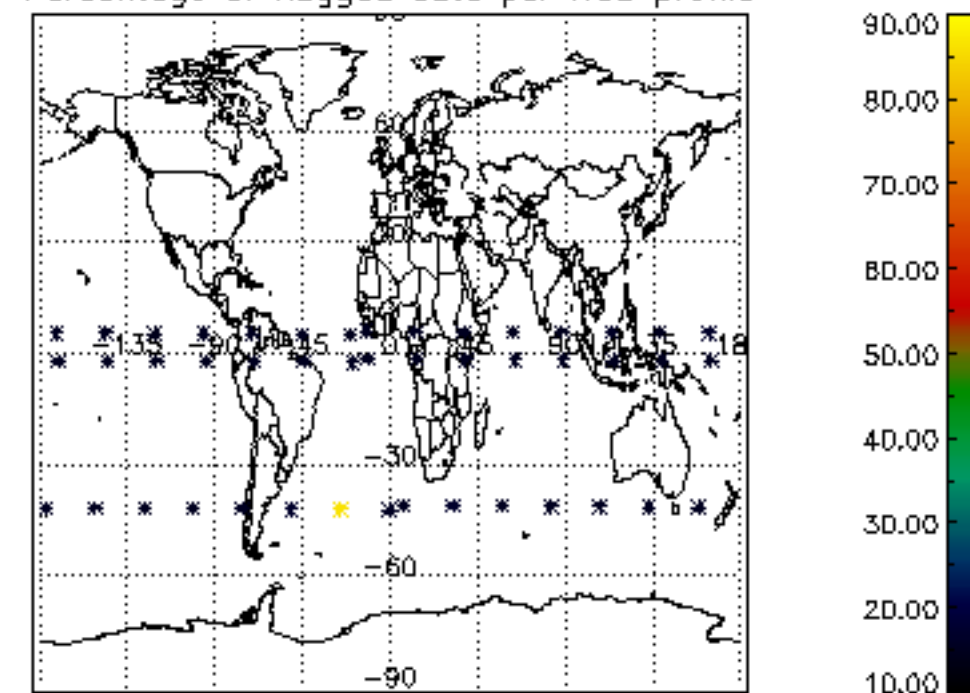
Percentage of flagged data per H2O profile



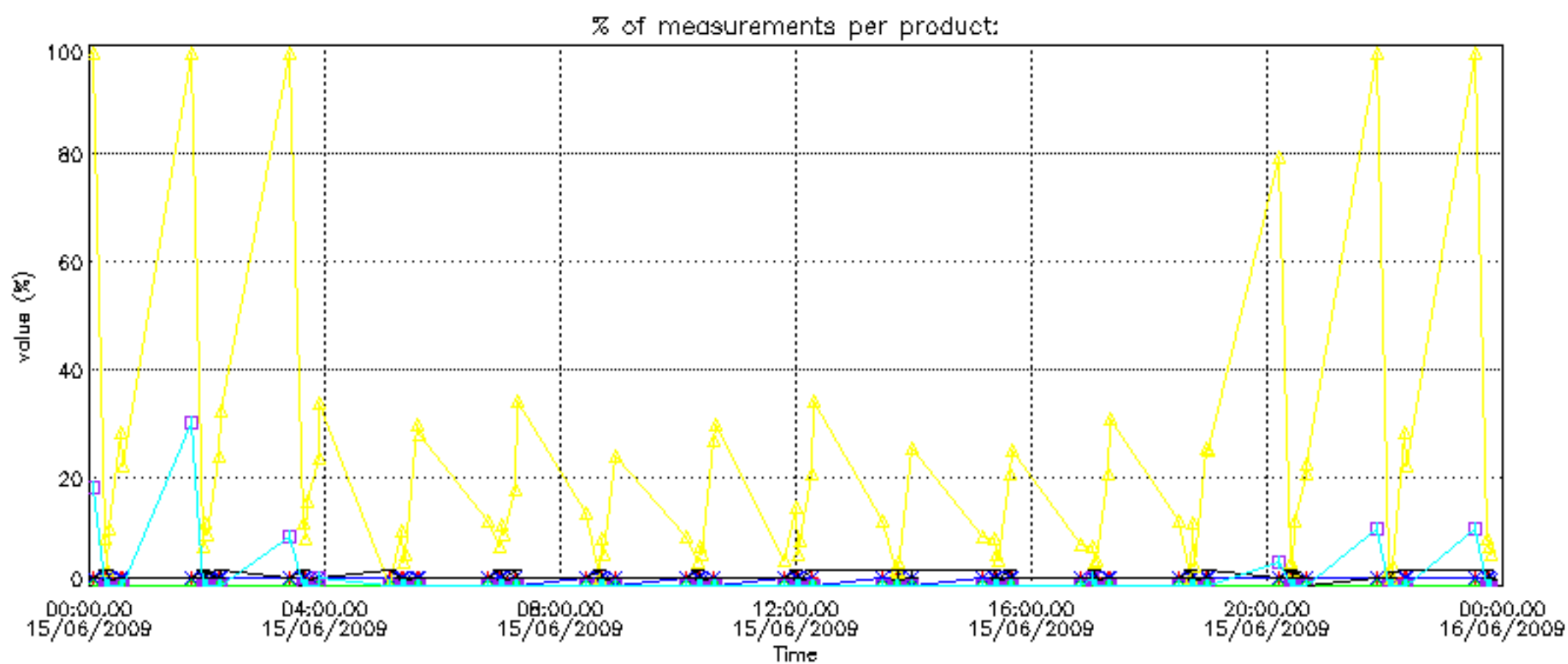
Percentage of flagged data per NO2 profile

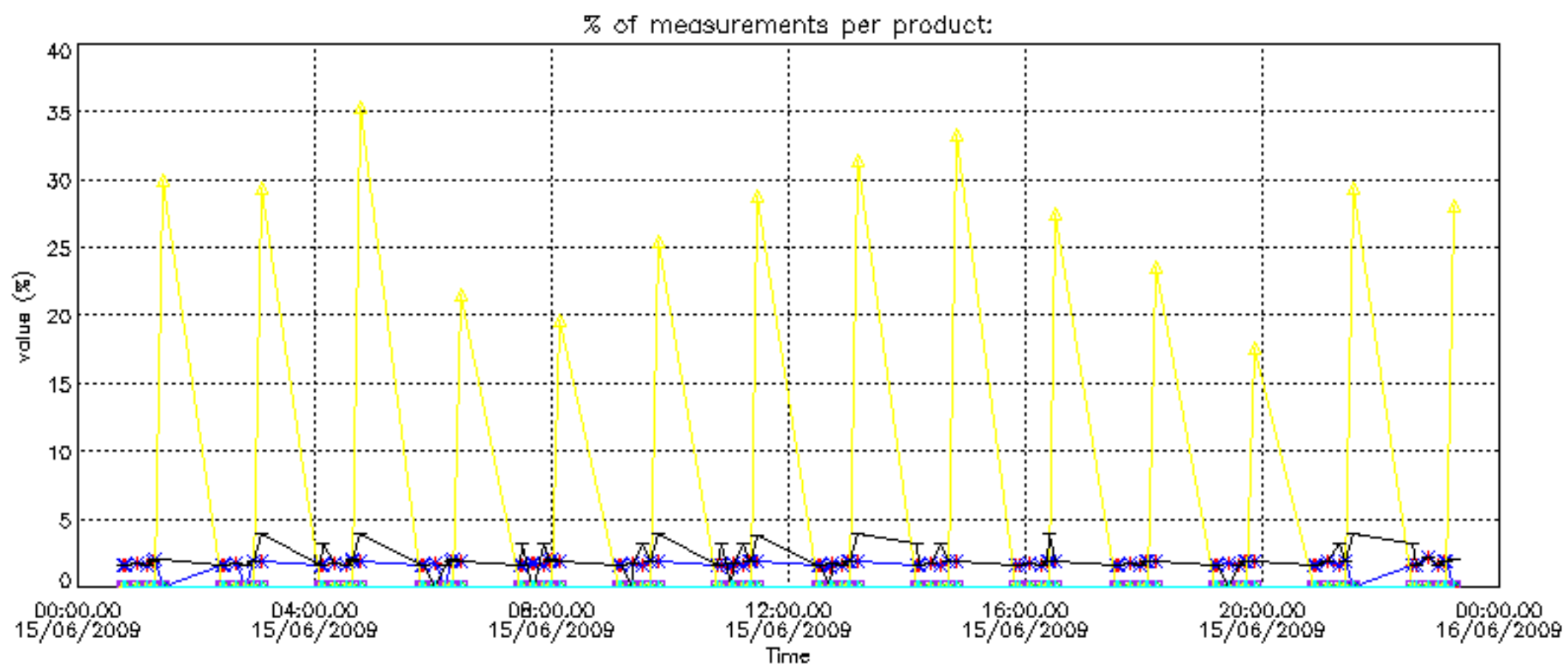


Percentage of flagged data per NO3 profile

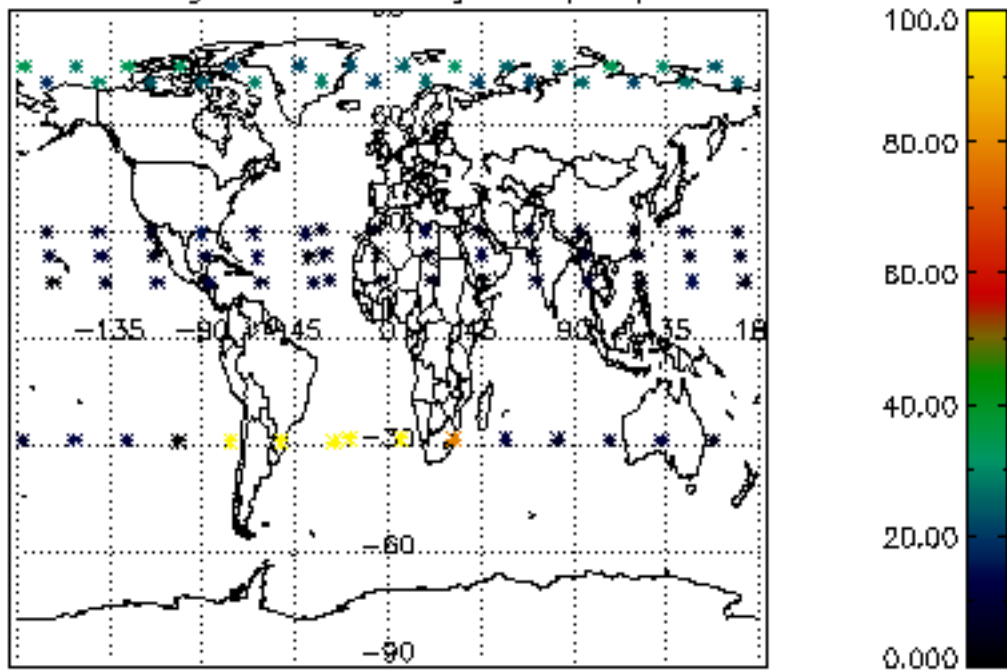




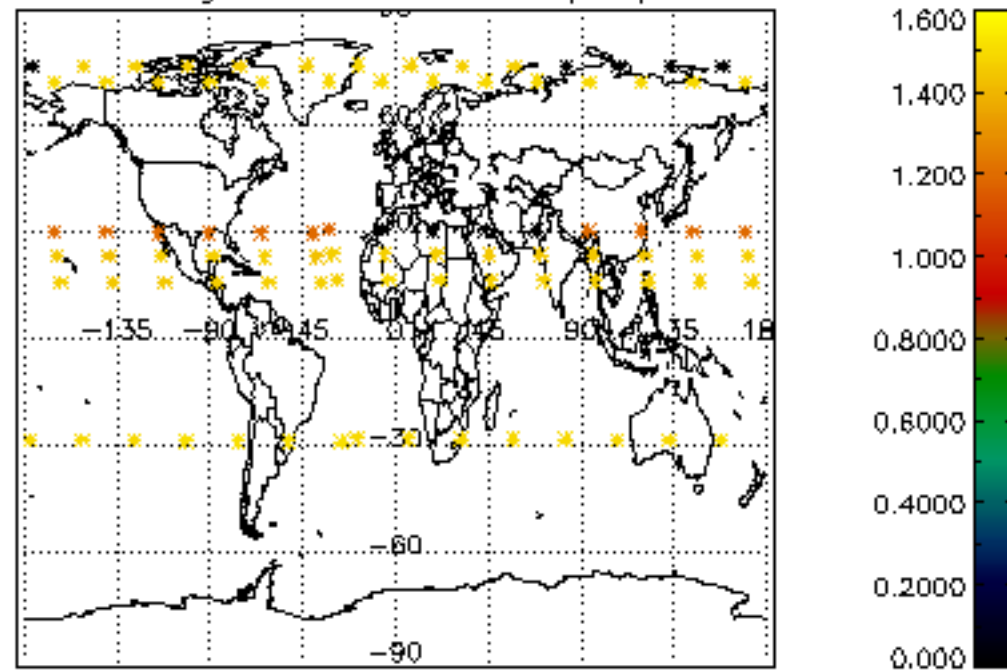




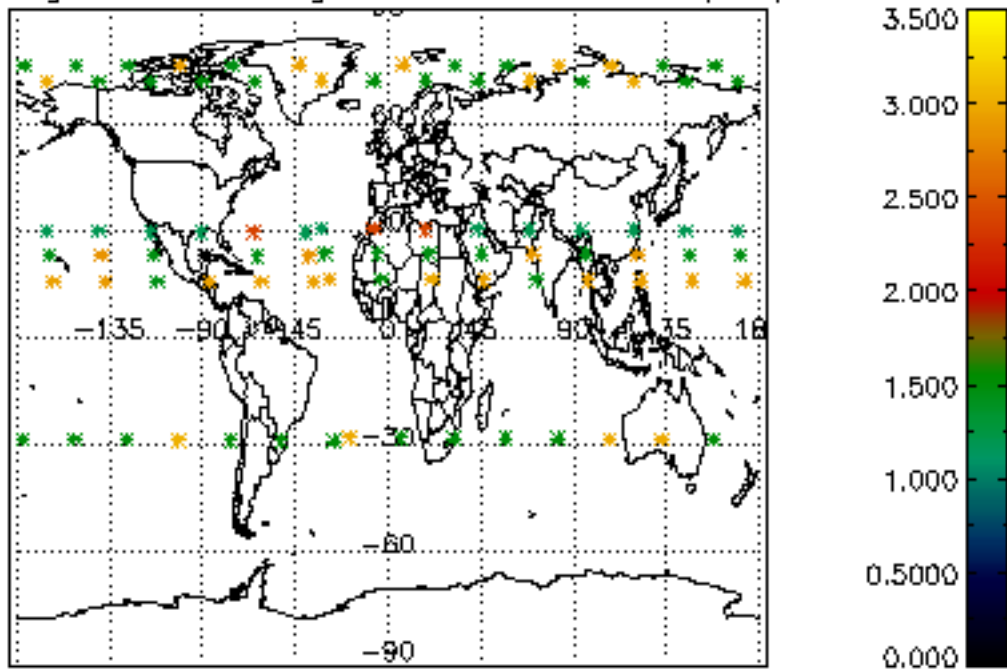
Percentage of cosmic ray hits per profile



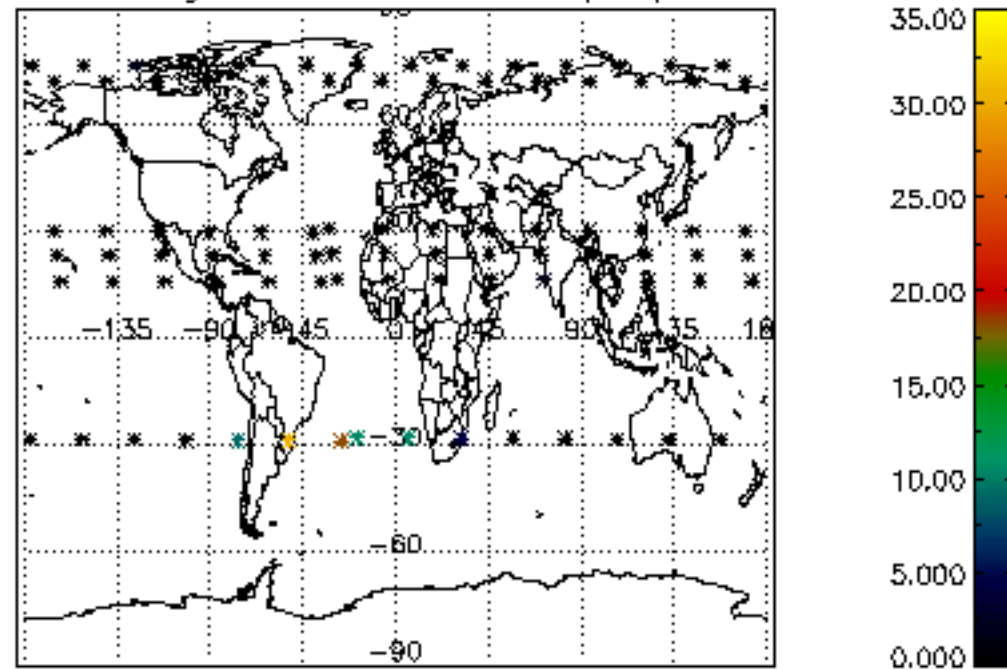
Percentage of datation errors per profile



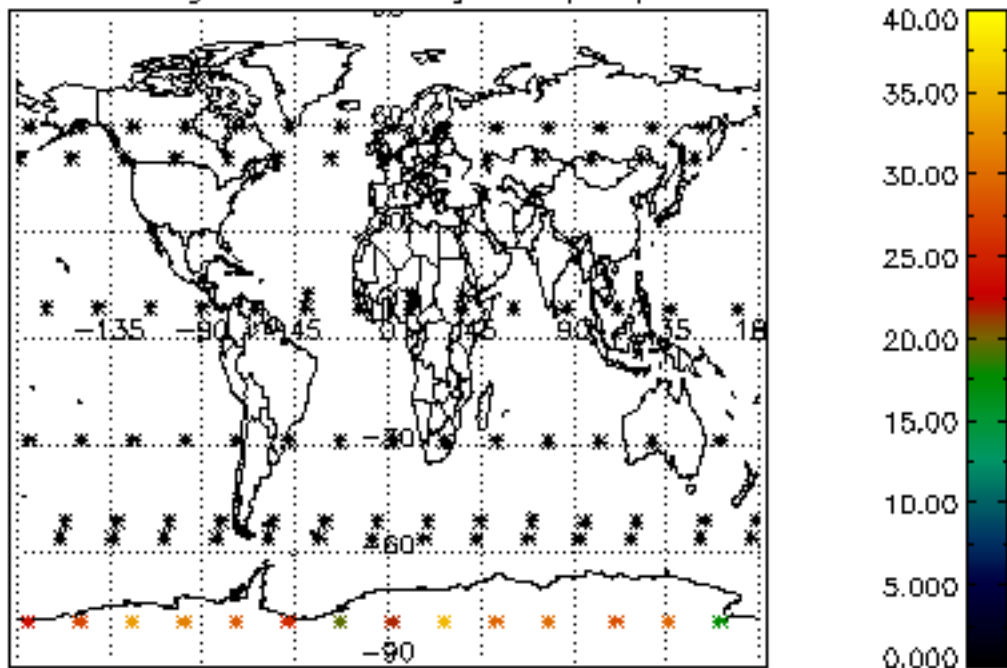
Percentage of star falling outside central band per profile



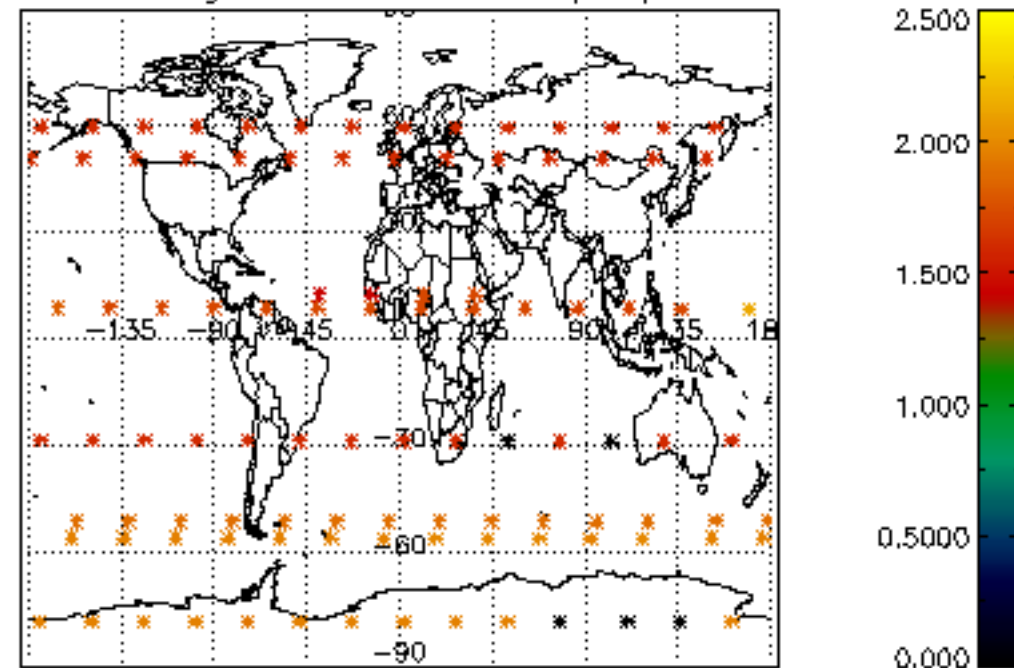
Percentage of saturation errors per profile



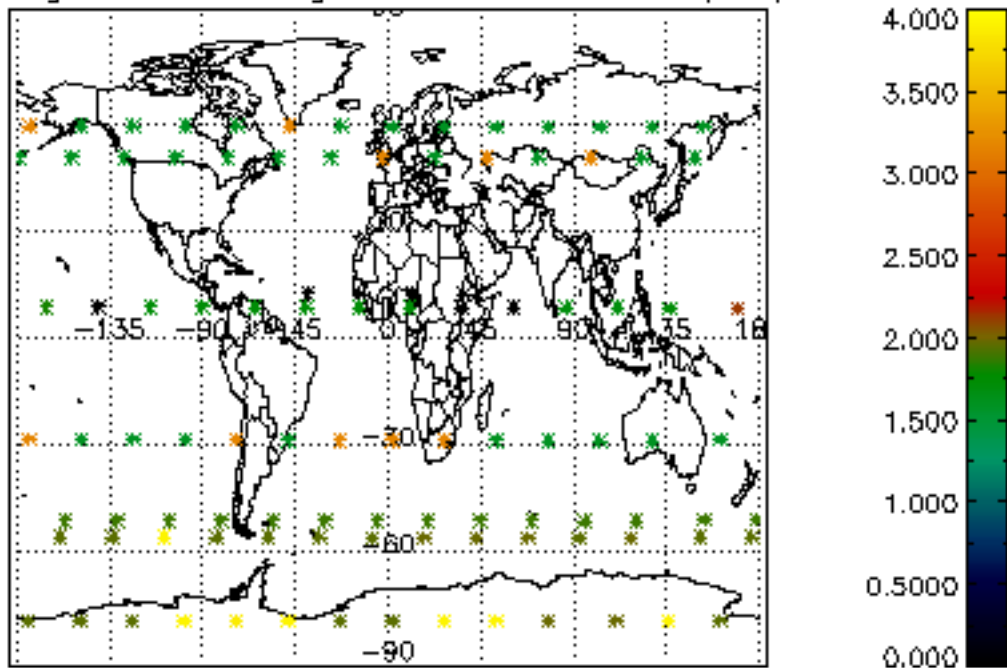
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

