

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 09:25:49
Data source version	GOMOS/6.01
Start time of products	11-05-2009 (11MAY2009 00:00:00)
Stop time of products	12-05-2009 (12MAY2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	197
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__2PRFIN20090511_000600_000000532078_00488_37616_4020.N1	11-MAY-2009 00:06:00	Dark	53.000	142	49Del Cap	2.8500	8900.0	106	37616	No
2	GOM_NL__2PRFIN20090511_002605_000000422078_00489_37617_4026.N1	11-MAY-2009 00:26:05	Straylight	41.500	40	The Sco	1.8590	7100.0	83	37617	No
3	GOM_NL__2PRFIN20090511_002756_000000452078_00489_37617_4027.N1	11-MAY-2009 00:27:56	Straylight	45.000	25	35Lam Sco	1.6200	28000.	90	37617	No
4	GOM_NL__2PRFIN20090511_003030_000000422078_00489_37617_4028.N1	11-MAY-2009 00:30:30	Straylight	42.000	75	26Eps Sco	2.2910	4250.0	84	37617	No
5	GOM_NL__2PRFIN20090511_003416_000000422078_00489_37617_4029.N1	11-MAY-2009 00:34:16	Twilight	41.500	156	20Sig Sco	2.9030	28000.	83	37617	No
6	GOM_NL__2PRFIN20090511_003636_000000412078_00489_37617_4030.N1	11-MAY-2009 00:36:36	Bright	40.500	97	8Bet1Sco	2.5610	30000.	81	37617	No
7	GOM_NL__2PRFIN20090511_004026_000000372078_00489_37617_4031.N1	11-MAY-2009 00:40:26	Bright	37.000	104	27Bet Lib	2.6140	13100.	74	37617	No
8	GOM_NL__2PRFIN20090511_004611_000000452078_00489_37617_4032.N1	11-MAY-2009 00:46:11	Bright	44.500	102	24Alp Ser	2.6000	4250.0	89	37617	No
9	GOM_NL__2PRFIN20090511_005250_000000452078_00489_37617_4033.N1	11-MAY-2009 00:52:50	Bright	45.000	67	5Alp CrB	2.2210	11000.	90	37617	No
10	GOM_NL__2PRFIN20090511_010348_000000392078_00489_37617_4034.N1	11-MAY-2009 01:03:48	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	37617	No
11	GOM_NL__2PRFIN20090511_011439_000000352078_00489_37617_4035.N1	11-MAY-2009 01:14:39	Bright	35.000	89	5Alp Cep	2.4510	8000.0	70	37617	No
12	GOM_NL__2PRFIN20090511_012745_000000342078_00489_37617_4036.N1	11-MAY-2009 01:27:45	Twilight	33.500	93	53Bet Peg	2.5200	3100.0	67	37617	No
13	GOM_NL__2PRFIN20090511_013209_000000352078_00489_37617_4037.N1	11-MAY-2009 01:32:09	Dark	34.500	90	54Alp Peg	2.4870	11000.	69	37617	No
14	GOM_NL__2PRFIN20090511_014637_000000532078_00489_37617_4038.N1	11-MAY-2009 01:46:37	Dark	53.000	142	49Del Cap	2.8500	8900.0	106	37617	No
15	GOM_NL__2PRFIN20090511_020641_000000422078_00490_37618_4040.N1	11-MAY-2009 02:06:41	Straylight	42.000	40	The Sco	1.8590	7100.0	84	37618	No
16	GOM_NL__2PRFIN20090511_020832_000000452078_00490_37618_4041.N1	11-MAY-2009 02:08:32	Straylight	45.000	25	35Lam Sco	1.6200	28000.	90	37618	No
17	GOM_NL__2PRFIN20090511_021107_000000422078_00490_37618_4042.N1	11-MAY-2009 02:11:07	Straylight	42.000	75	26Eps Sco	2.2910	4250.0	84	37618	No
18	GOM_NL__2PRFIN20090511_021424_000000422078_00490_37618_4043.N1	11-MAY-2009 02:14:24	Twilight	42.000	16	21Alp Sco	1.0200	3000.0	84	37618	No
19	GOM_NL__2PRFIN20090511_021616_000000392078_00490_37618_4044.N1	11-MAY-2009 02:16:16	Bright	39.000	80	7Del Sco	2.3160	30000.	78	37618	No
20	GOM_NL__2PRFIN20090511_022102_000000372078_00490_37618_4045.N1	11-MAY-2009 02:21:02	Bright	37.000	104	27Bet Lib	2.6140	13100.	74	37618	No
21	GOM_NL__2PRFIN20090511_022647_000000452078_00490_37618_4046.N1	11-MAY-2009 02:26:47	Bright	44.500	102	24Alp Ser	2.6000	4250.0	89	37618	No
22	GOM_NL__2PRFIN20090511_023325_000000442078_00490_37618_4047.N1	11-MAY-2009 02:33:25	Bright	43.500	67	5Alp CrB	2.2210	11000.	87	37618	No
23	GOM_NL__2PRFIN20090511_024423_000000382078_00490_37618_4048.N1	11-MAY-2009 02:44:23	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	37618	No
24	GOM_NL__2PRFIN20090511_025514_000000352078_00490_37618_4049.N1	11-MAY-2009 02:55:14	Bright	35.000	89	5Alp Cep	2.4510	8000.0	70	37618	No
25	GOM_NL__2PRFIN20090511_030821_000000342078_00490_37618_4050.N1	11-MAY-2009 03:08:21	Twilight	33.500	93	53Bet Peg	2.5200	3100.0	67	37618	No
26	GOM_NL__2PRFIN20090511_031245_000000352078_00490_37618_4051.N1	11-MAY-2009 03:12:45	Dark	34.500	90	54Alp Peg	2.4870	11000.	69	37618	No
27	GOM_NL__2PRFIN20090511_032715_000000532078_00490_37618_4052.N1	11-MAY-2009 03:27:15	Dark	53.000	142	49Del Cap	2.8500	8900.0	106	37618	No
28	GOM_NL__2PRFIN20090511_033056_000000412078_00490_37618_4053.N1	11-MAY-2009 03:30:56	Dark	41.000	172	Gam Gru	3.0030	13100.	82	37618	No
29	GOM_NL__2PRFIN20090511_034718_000000422078_00491_37619_4055.N1	11-MAY-2009 03:47:18	Straylight	41.500	40	The Sco	1.8590	7100.0	83	37619	No
30	GOM_NL__2PRFIN20090511_034909_000000452078_00491_37619_4056.N1	11-MAY-2009 03:49:09	Straylight	45.000	25	35Lam Sco	1.6200	28000.	90	37619	No
31	GOM_NL__2PRFIN20090511_035143_000000422078_00491_37619_4057.N1	11-MAY-2009 03:51:43	Straylight	42.000	75	26Eps Sco	2.2910	4250.0	84	37619	No
32	GOM_NL__2PRFIN20090511_035501_000000432078_00491_37619_4058.N1	11-MAY-2009 03:55:01	Twilight	42.500	16	21Alp Sco	1.0200	3000.0	85	37619	No
33	GOM_NL__2PRFIN20090511_035652_000000402078_00491_37619_4059.N1	11-MAY-2009 03:56:52	Bright	39.500	80	7Del Sco	2.3160	30000.	79	37619	No
34	GOM_NL__2PRFIN20090511_040138_000000372078_00491_37619_4060.N1	11-MAY-2009 04:01:38	Bright	36.500	104	27Bet Lib	2.6140	13100.	73	37619	No
35	GOM_NL__2PRFIN20090511_040723_000000442078_00491_37619_4061.N1	11-MAY-2009 04:07:23	Bright	44.000	102	24Alp Ser	2.6000	4250.0	88	37619	No
36	GOM_NL__2PRFIN20090511_041401_000000442078_00491_37619_4062.N1	11-MAY-2009 04:14:01	Bright	44.000	67	5Alp CrB	2.2210	11000.	88	37619	No
37	GOM_NL__2PRFIN20090511_042459_000000382078_00491_37619_4063.N1	11-MAY-2009 04:24:59	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	37619	No
38	GOM_NL__2PRFIN20090511_043550_000000352078_00491_37619_4064.N1	11-MAY-2009 04:35:50	Bright	35.000	89	5Alp Cep	2.4510	8000.0	70	37619	No
39	GOM_NL__2PRFIN20090511_044857_000000342078_00491_37619_4065.N1	11-MAY-2009 04:48:57	Twilight	33.500	93	53Bet Peg	2.5200	3100.0	67	37619	No
40	GOM_NL__2PRFIN20090511_045322_000000352078_00491_37619_4066.N1	11-MAY-2009 04:53:22	Dark	34.500	90	54Alp Peg	2.4870	11000.	69	37619	No
41	GOM_NL__2PRFIN20090511_050752_000000542078_00491_37619_4067.N1	11-MAY-2009 05:07:52	Dark	53.500	142	49Del Cap	2.8500	8900.0	107	37619	No
42	GOM_NL__2PRFIN20090511_051133_000000412078_00491_37619_4068.N1	11-MAY-2009 05:11:33	Dark	41.000	172	Gam Gru	3.0030	13100.	82	37619	No

43	GOM_NL__2PRFIN20090511_052754_000000422078_00492_37620_4071.N1	11-MAY-2009 05:27:54	Straylight	42.000	40	The Sco	1.8590	7100.0	84	37620	No
44	GOM_NL__2PRFIN20090511_052946_000000452078_00492_37620_4072.N1	11-MAY-2009 05:29:46	Straylight	45.000	25	35Lam Sco	1.6200	28000.	90	37620	No
45	GOM_NL__2PRFIN20090511_053220_000000422078_00492_37620_4073.N1	11-MAY-2009 05:32:20	Straylight	42.000	75	26Eps Sco	2.2910	4250.0	84	37620	No
46	GOM_NL__2PRFIN20090511_053537_000000432078_00492_37620_4074.N1	11-MAY-2009 05:35:37	Tw_i_and_stray	42.500	16	21Alp Sco	1.0200	3000.0	85	37620	No
47	GOM_NL__2PRFIN20090511_053728_000000402078_00492_37620_4075.N1	11-MAY-2009 05:37:28	Bright	39.500	80	7Del Sco	2.3160	30000.	79	37620	No
48	GOM_NL__2PRFIN20090511_054214_000000372078_00492_37620_4076.N1	11-MAY-2009 05:42:14	Bright	36.500	104	27Bet Lib	2.6140	13100.	73	37620	No
49	GOM_NL__2PRFIN20090511_054758_000000452078_00492_37620_4077.N1	11-MAY-2009 05:47:58	Bright	44.500	102	24Alp Ser	2.6000	4250.0	89	37620	No
50	GOM_NL__2PRFIN20090511_055436_000000462078_00492_37620_4078.N1	11-MAY-2009 05:54:36	Bright	45.500	67	5Alp CrB	2.2210	11000.	91	37620	No
51	GOM_NL__2PRFIN20090511_060534_000000392078_00492_37620_4079.N1	11-MAY-2009 06:05:34	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	37620	No
52	GOM_NL__2PRFIN20090511_061626_000000362078_00492_37620_4080.N1	11-MAY-2009 06:16:26	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	37620	No
53	GOM_NL__2PRFIN20090511_062934_000000342078_00492_37620_4081.N1	11-MAY-2009 06:29:34	Tw_i_and_stray	33.500	93	53Bet Peg	2.5200	3100.0	67	37620	No
54	GOM_NL__2PRFIN20090511_063358_000000352078_00492_37620_4082.N1	11-MAY-2009 06:33:58	Dark	34.500	90	54Alp Peg	2.4870	11000.	69	37620	No
55	GOM_NL__2PRFIN20090511_064830_000000542078_00492_37620_4083.N1	11-MAY-2009 06:48:30	Dark	53.500	142	49Del Cap	2.8500	8900.0	107	37620	No
56	GOM_NL__2PRFIN20090511_065210_000000412078_00492_37620_4084.N1	11-MAY-2009 06:52:10	Dark	41.000	172	Gam Gru	3.0030	13100.	82	37620	No
57	GOM_NL__2PRFIN20090511_070831_000000422078_00493_37621_4085.N1	11-MAY-2009 07:08:31	Straylight	42.000	40	The Sco	1.8590	7100.0	84	37621	No
58	GOM_NL__2PRFIN20090511_071023_000000452078_00493_37621_4086.N1	11-MAY-2009 07:10:23	Straylight	45.000	25	35Lam Sco	1.6200	28000.	90	37621	No
59	GOM_NL__2PRFIN20090511_071257_000000422078_00493_37621_4087.N1	11-MAY-2009 07:12:57	Straylight	41.500	75	26Eps Sco	2.2910	4250.0	83	37621	No
60	GOM_NL__2PRFIN20090511_071613_000000432078_00493_37621_4088.N1	11-MAY-2009 07:16:13	Tw_i_and_stray	43.000	16	21Alp Sco	1.0200	3000.0	86	37621	No
61	GOM_NL__2PRFIN20090511_071804_000000412078_00493_37621_4089.N1	11-MAY-2009 07:18:04	Bright	40.500	80	7Del Sco	2.3160	30000.	81	37621	No
62	GOM_NL__2PRFIN20090511_072250_000000382078_00493_37621_4090.N1	11-MAY-2009 07:22:50	Bright	37.500	104	27Bet Lib	2.6140	13100.	75	37621	No
63	GOM_NL__2PRFIN20090511_072834_000000442078_00493_37621_4091.N1	11-MAY-2009 07:28:34	Bright	44.000	102	24Alp Ser	2.6000	4250.0	88	37621	No
64	GOM_NL__2PRFIN20090511_073511_000000462078_00493_37621_4092.N1	11-MAY-2009 07:35:11	Bright	46.000	67	5Alp CrB	2.2210	11000.	92	37621	No
65	GOM_NL__2PRFIN20090511_074610_000000382078_00493_37621_4093.N1	11-MAY-2009 07:46:10	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	37621	No
66	GOM_NL__2PRFIN20090511_075701_000000362078_00493_37621_4094.N1	11-MAY-2009 07:57:01	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	37621	No
67	GOM_NL__2PRFIN20090511_081010_000000342078_00493_37621_4095.N1	11-MAY-2009 08:10:10	Tw_i_and_stray	33.500	93	53Bet Peg	2.5200	3100.0	67	37621	No
68	GOM_NL__2PRFIN20090511_081435_000000352078_00493_37621_4096.N1	11-MAY-2009 08:14:35	Dark	34.500	90	54Alp Peg	2.4870	11000.	69	37621	No
69	GOM_NL__2PRFIN20090511_082907_000000542078_00493_37621_4097.N1	11-MAY-2009 08:29:07	Dark	53.500	142	49Del Cap	2.8500	8900.0	107	37621	No
70	GOM_NL__2PRFIN20090511_083247_000000412078_00493_37621_4098.N1	11-MAY-2009 08:32:47	Dark	41.000	172	Gam Gru	3.0030	13100.	82	37621	No
71	GOM_NL__2PRFIN20090511_084908_000000422078_00494_37622_4101.N1	11-MAY-2009 08:49:08	Straylight	42.000	40	The Sco	1.8590	7100.0	84	37622	No
72	GOM_NL__2PRFIN20090511_085100_000000452078_00494_37622_4102.N1	11-MAY-2009 08:51:00	Straylight	44.500	25	35Lam Sco	1.6200	28000.	89	37622	No
73	GOM_NL__2PRFIN20090511_085333_000000422078_00494_37622_4103.N1	11-MAY-2009 08:53:33	Straylight	41.500	75	26Eps Sco	2.2910	4250.0	83	37622	No
74	GOM_NL__2PRFIN20090511_085650_000000422078_00494_37622_4104.N1	11-MAY-2009 08:56:50	Tw_i_and_stray	42.000	16	21Alp Sco	1.0200	3000.0	84	37622	No
75	GOM_NL__2PRFIN20090511_085841_000000392078_00494_37622_4105.N1	11-MAY-2009 08:58:41	Bright	39.000	80	7Del Sco	2.3160	30000.	78	37622	No
76	GOM_NL__2PRFIN20090511_090326_000000372078_00494_37622_4106.N1	11-MAY-2009 09:03:26	Bright	36.500	104	27Bet Lib	2.6140	13100.	73	37622	No
77	GOM_NL__2PRFIN20090511_090910_000000442078_00494_37622_4107.N1	11-MAY-2009 09:09:10	Bright	44.000	102	24Alp Ser	2.6000	4250.0	88	37622	No
78	GOM_NL__2PRFIN20090511_091547_000000442078_00494_37622_4108.N1	11-MAY-2009 09:15:47	Bright	43.500	67	5Alp CrB	2.2210	11000.	87	37622	No
79	GOM_NL__2PRFIN20090511_092645_000000452078_00494_37622_4109.N1	11-MAY-2009 09:26:45	Bright	45.000	119	14Eta Dra	2.7270	4700.0	90	37622	No
80	GOM_NL__2PRFIN20090511_093737_000000352078_00494_37622_4110.N1	11-MAY-2009 09:37:37	Bright	35.000	89	5Alp Cep	2.4510	8000.0	70	37622	No
81	GOM_NL__2PRFIN20090511_095046_000000342078_00494_37622_4111.N1	11-MAY-2009 09:50:46	Tw_i_and_stray	34.000	93	53Bet Peg	2.5200	3100.0	68	37622	No
82	GOM_NL__2PRFIN20090511_095511_000000352078_00494_37622_4112.N1	11-MAY-2009 09:55:11	Dark	35.000	90	54Alp Peg	2.4870	11000.	70	37622	No
83	GOM_NL__2PRFIN20090511_100945_000000542078_00494_37622_4113.N1	11-MAY-2009 10:09:45	Dark	53.500	142	49Del Cap	2.8500	8900.0	107	37622	No
84	GOM_NL__2PRFIN20090511_101324_000000412078_00494_37622_4114.N1	11-MAY-2009 10:13:24	Dark	41.000	172	Gam Gru	3.0030	13100.	82	37622	No
85	GOM_NL__2PRFIN20090511_102944_000000422078_00495_37623_4136.N1	11-MAY-2009 10:29:44	Straylight	42.000	40	The Sco	1.8590	7100.0	84	37623	No
86	GOM_NL__2PRFIN20090511_103136_000000452078_00495_37623_4137.N1	11-MAY-2009 10:31:36	Straylight	45.000	25	35Lam Sco	1.6200	28000.	90	37623	No
87	GOM_NL__2PRFIN20090511_103409_000000422078_00495_37623_4138.N1	11-MAY-2009 10:34:09	Straylight	41.500	75	26Eps Sco	2.2910	4250.0	83	37623	No
88	GOM_NL__2PRFIN20090511_103726_000000432078_00495_37623_4139.N1	11-MAY-2009 10:37:26	Tw_i_and_stray	42.500	16	21Alp Sco	1.0200	3000.0	85	37623	No
89	GOM_NL__2PRFIN20090511_103917_000000392078_00495_37623_4140.N1	11-MAY-2009 10:39:17	Bright	39.000	80	7Del Sco	2.3160	30000.	78	37623	No
90	GOM_NL__2PRFIN20090511_104402_000000372078_00495_37623_4141.N1	11-MAY-2009 10:44:02	Bright	36.500	104	27Bet Lib	2.6140	13100.	73	37623	No
91	GOM_NL__2PRFIN20090511_104945_000000442078_00495_37623_4142.N1	11-MAY-2009 10:49:45	Bright	43.500	102	24Alp Ser	2.6000	4250.0	87	37623	No
92	GOM_NL__2PRFIN20090511_105622_000000672078_00495_37623_4143.N1	11-MAY-2009 10:56:22	Bright	67.000	67	5Alp CrB	2.2210	11000.	134	37623	No
93	GOM_NL__2PRFIN20090511_110721_000000382078_00495_37623_4144.N1	11-MAY-2009 11:07:21	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	37623	No
94	GOM_NL__2PRFIN20090511_111812_000000362078_00495_37623_4145.N1	11-MAY-2009 11:18:12	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	37623	No
95	GOM_NL__2PRFIN20090511_113122_000000342078_00495_37623_4146.N1	11-MAY-2009 11:31:22	Tw_i_and_stray	33.500	93	53Bet Peg	2.5200	3100.0	67	37623	No
96	GOM_NL__2PRFIN20090511_113547_000000352078_00495_37623_4147.N1	11-MAY-2009 11:35:47	Dark	35.000	90	54Alp Peg	2.4870	11000.	70	37623	No
97	GOM_NL__2PRFIN20090511_115022_000000542078_00495_37623_4148.N1	11-MAY-2009 11:50:22	Dark	53.500	142	49Del Cap	2.8500	8900.0	107	37623	No
98	GOM_NL__2PRFIN20090511_115401_000000412078_00495_37623_4149.N1	11-MAY-2009 11:54:01	Dark	41.000	172	Gam Gru	3.0030	13100.	82	37623	No
99	GOM_NL__2PRFIN20090511_121021_000000422078_00496_37624_4150.N1	11-MAY-2009 12:10:21	Straylight	42.000	40	The Sco	1.8590	7100.0	84	37624	No
100	GOM_NL__2PRFIN20090511_121213_000000452078_00496_37624_4151.N1	11-MAY-2009 12:12:13	Straylight	45.000	25	35Lam Sco	1.6200	28000.	90	37624	No
101	GOM_NL__2PRFIN20090511_121446_000000422078_00496_37624_4152.N1	11-MAY-2009 12:14:46	Straylight	41.500	75	26Eps Sco	2.2910	4250.0	83	37624	No

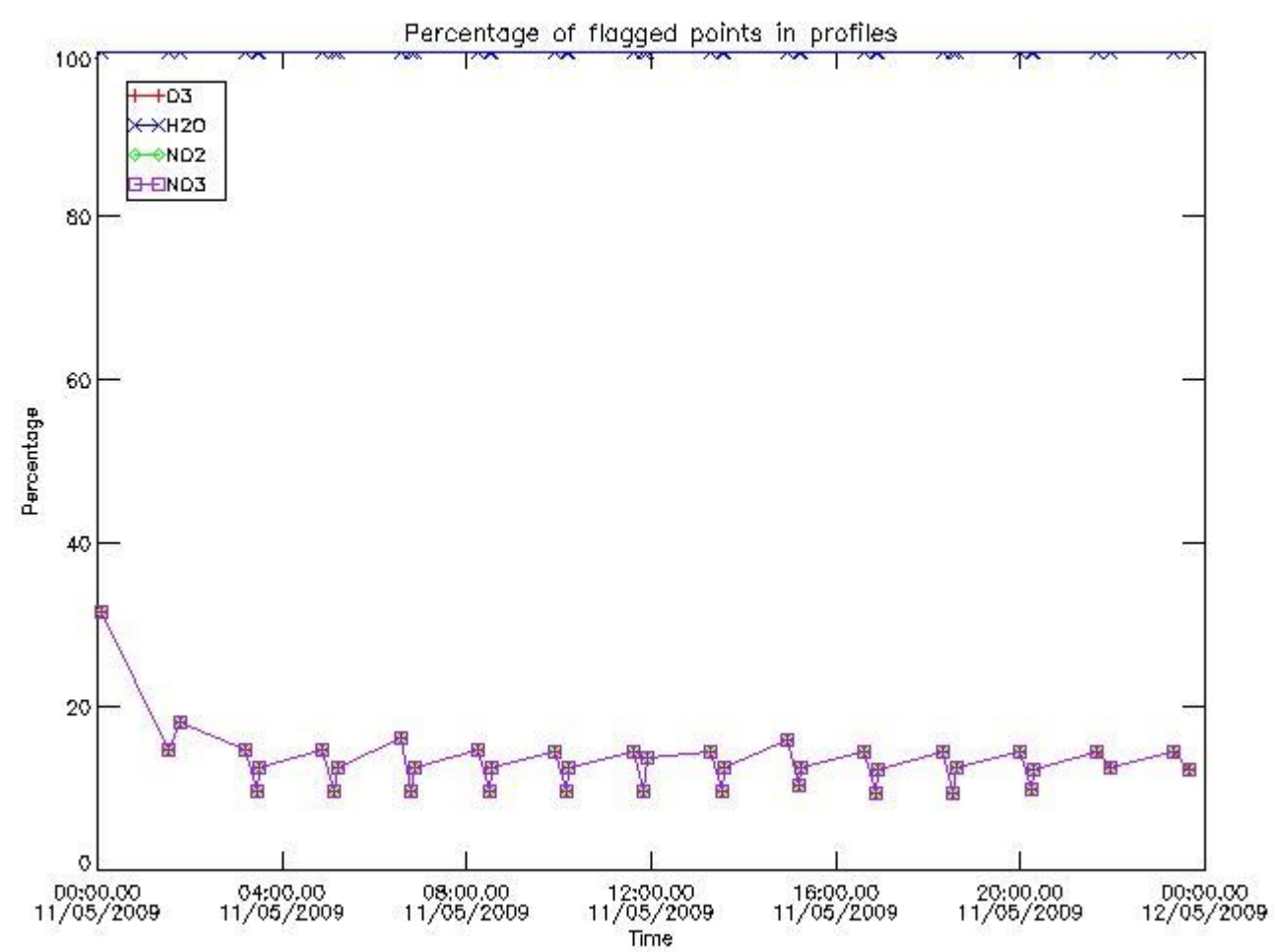
102	GOM_NL__2PRFIN20090511_121802_000000432078_00496_37624_4153.N1	11-MAY-2009 12:18:02	Twilight	43.000	16	21Alp Sco	1.0200	3000.0	86	37624	No
103	GOM_NL__2PRFIN20090511_121952_000000402078_00496_37624_4154.N1	11-MAY-2009 12:19:52	Bright	39.500	80	7Del Sco	2.3160	30000.	79	37624	No
104	GOM_NL__2PRFIN20090511_122438_000000372078_00496_37624_4155.N1	11-MAY-2009 12:24:38	Bright	37.000	104	27Bet Lib	2.6140	13100.	74	37624	No
105	GOM_NL__2PRFIN20090511_123021_000000702078_00496_37624_4156.N1	11-MAY-2009 12:30:21	Bright	70.000	102	24Alp Ser	2.6000	4250.0	140	37624	No
106	GOM_NL__2PRFIN20090511_123657_000000462078_00496_37624_4157.N1	11-MAY-2009 12:36:57	Bright	45.500	67	5Alp CrB	2.2210	11000.	91	37624	No
107	GOM_NL__2PRFIN20090511_124756_000000382078_00496_37624_4158.N1	11-MAY-2009 12:47:56	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	37624	No
108	GOM_NL__2PRFIN20090511_125848_000000362078_00496_37624_4159.N1	11-MAY-2009 12:58:48	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	37624	No
109	GOM_NL__2PRFIN20090511_131158_000000332078_00496_37624_4160.N1	11-MAY-2009 13:11:58	Twilight	33.000	93	53Bet Peg	2.5200	3100.0	66	37624	No
110	GOM_NL__2PRFIN20090511_131624_000000352078_00496_37624_4161.N1	11-MAY-2009 13:16:24	Dark	35.000	90	54Alp Peg	2.4870	11000.	70	37624	No
111	GOM_NL__2PRFIN20090511_133059_000000542078_00496_37624_4162.N1	11-MAY-2009 13:30:59	Dark	53.500	142	49Del Cap	2.8500	8900.0	107	37624	No
112	GOM_NL__2PRFIN20090511_133438_000000412078_00496_37624_4163.N1	11-MAY-2009 13:34:38	Dark	41.000	172	Gam Gru	3.0030	13100.	82	37624	No
113	GOM_NL__2PRFIN20090511_135057_000000422078_00497_37625_4209.N1	11-MAY-2009 13:50:57	Straylight	42.000	40	The Sco	1.8590	7100.0	84	37625	No
114	GOM_NL__2PRFIN20090511_135249_000000452078_00497_37625_4210.N1	11-MAY-2009 13:52:49	Straylight	45.000	25	35Lam Sco	1.6200	28000.	90	37625	No
115	GOM_NL__2PRFIN20090511_135522_000000422078_00497_37625_4211.N1	11-MAY-2009 13:55:22	Straylight	41.500	75	26Eps Sco	2.2910	4250.0	83	37625	No
116	GOM_NL__2PRFIN20090511_135838_000000422078_00497_37625_4212.N1	11-MAY-2009 13:58:38	Twilight	42.000	16	21Alp Sco	1.0200	3000.0	84	37625	No
117	GOM_NL__2PRFIN20090511_140029_000000402078_00497_37625_4213.N1	11-MAY-2009 14:00:29	Bright	39.500	80	7Del Sco	2.3160	30000.	79	37625	No
118	GOM_NL__2PRFIN20090511_140514_000000372078_00497_37625_4214.N1	11-MAY-2009 14:05:14	Bright	36.500	104	27Bet Lib	2.6140	13100.	73	37625	No
119	GOM_NL__2PRFIN20090511_141056_000000442078_00497_37625_4215.N1	11-MAY-2009 14:10:56	Bright	43.500	102	24Alp Ser	2.6000	4250.0	87	37625	No
120	GOM_NL__2PRFIN20090511_141733_000000432078_00497_37625_4216.N1	11-MAY-2009 14:17:33	Bright	43.000	67	5Alp CrB	2.2210	11000.	86	37625	No
121	GOM_NL__2PRFIN20090511_142831_000000392078_00497_37625_4217.N1	11-MAY-2009 14:28:31	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	37625	No
122	GOM_NL__2PRFIN20090511_143923_000000362078_00497_37625_4218.N1	11-MAY-2009 14:39:23	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	37625	No
123	GOM_NL__2PRFIN20090511_145234_000000342078_00497_37625_4219.N1	11-MAY-2009 14:52:34	Twilight	33.500	93	53Bet Peg	2.5200	3100.0	67	37625	No
124	GOM_NL__2PRFIN20090511_145700_000000352078_00497_37625_4220.N1	11-MAY-2009 14:57:00	Dark	35.000	90	54Alp Peg	2.4870	11000.	70	37625	No
125	GOM_NL__2PRFIN20090511_151137_000000542078_00497_37625_4221.N1	11-MAY-2009 15:11:37	Dark	54.000	142	49Del Cap	2.8500	8900.0	108	37625	No
126	GOM_NL__2PRFIN20090511_151515_000000412078_00497_37625_4222.N1	11-MAY-2009 15:15:15	Dark	40.500	172	Gam Gru	3.0030	13100.	81	37625	No
127	GOM_NL__2PRFIN20090511_153134_000000422078_00498_37626_4224.N1	11-MAY-2009 15:31:34	Straylight	42.000	40	The Sco	1.8590	7100.0	84	37626	No
128	GOM_NL__2PRFIN20090511_153326_000000452078_00498_37626_4225.N1	11-MAY-2009 15:33:26	Straylight	45.000	25	35Lam Sco	1.6200	28000.	90	37626	No
129	GOM_NL__2PRFIN20090511_153558_000000422078_00498_37626_4226.N1	11-MAY-2009 15:35:58	Straylight	41.500	75	26Eps Sco	2.2910	4250.0	83	37626	No
130	GOM_NL__2PRFIN20090511_153914_000000432078_00498_37626_4227.N1	11-MAY-2009 15:39:14	Twilight	42.500	16	21Alp Sco	1.0200	3000.0	85	37626	No
131	GOM_NL__2PRFIN20090511_154105_000000392078_00498_37626_4228.N1	11-MAY-2009 15:41:05	Bright	39.000	80	7Del Sco	2.3160	30000.	78	37626	No
132	GOM_NL__2PRFIN20090511_154550_000000362078_00498_37626_4229.N1	11-MAY-2009 15:45:50	Bright	36.000	104	27Bet Lib	2.6140	13100.	72	37626	No
133	GOM_NL__2PRFIN20090511_155131_000000442078_00498_37626_4230.N1	11-MAY-2009 15:51:31	Bright	44.000	102	24Alp Ser	2.6000	4250.0	88	37626	No
134	GOM_NL__2PRFIN20090511_155808_000000442078_00498_37626_4231.N1	11-MAY-2009 15:58:08	Bright	43.500	67	5Alp CrB	2.2210	11000.	87	37626	No
135	GOM_NL__2PRFIN20090511_160906_000000392078_00498_37626_4232.N1	11-MAY-2009 16:09:06	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	37626	No
136	GOM_NL__2PRFIN20090511_161959_000000362078_00498_37626_4233.N1	11-MAY-2009 16:19:59	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	37626	No
137	GOM_NL__2PRFIN20090511_163310_000000342078_00498_37626_4234.N1	11-MAY-2009 16:33:10	Twilight	33.500	93	53Bet Peg	2.5200	3100.0	67	37626	No
138	GOM_NL__2PRFIN20090511_163736_000000352078_00498_37626_4235.N1	11-MAY-2009 16:37:36	Dark	35.000	90	54Alp Peg	2.4870	11000.	70	37626	No
139	GOM_NL__2PRFIN20090511_165214_000000542078_00498_37626_4236.N1	11-MAY-2009 16:52:14	Dark	54.000	142	49Del Cap	2.8500	8900.0	108	37626	No
140	GOM_NL__2PRFIN20090511_165551_000000422078_00498_37626_4237.N1	11-MAY-2009 16:55:51	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37626	No
141	GOM_NL__2PRFIN20090511_171211_000000422078_00499_37627_4238.N1	11-MAY-2009 17:12:11	Straylight	42.000	40	The Sco	1.8590	7100.0	84	37627	No
142	GOM_NL__2PRFIN20090511_171403_000000442078_00499_37627_4239.N1	11-MAY-2009 17:14:03	Straylight	44.000	25	35Lam Sco	1.6200	28000.	88	37627	No
143	GOM_NL__2PRFIN20090511_171635_000000422078_00499_37627_4240.N1	11-MAY-2009 17:16:35	Straylight	41.500	75	26Eps Sco	2.2910	4250.0	83	37627	No
144	GOM_NL__2PRFIN20090511_171950_000000432078_00499_37627_4241.N1	11-MAY-2009 17:19:50	Twilight	42.500	16	21Alp Sco	1.0200	3000.0	85	37627	No
145	GOM_NL__2PRFIN20090511_172141_000000402078_00499_37627_4242.N1	11-MAY-2009 17:21:41	Bright	39.500	80	7Del Sco	2.3160	30000.	79	37627	No
146	GOM_NL__2PRFIN20090511_172626_000000372078_00499_37627_4243.N1	11-MAY-2009 17:26:26	Bright	36.500	104	27Bet Lib	2.6140	13100.	73	37627	No
147	GOM_NL__2PRFIN20090511_173207_000000442078_00499_37627_4244.N1	11-MAY-2009 17:32:07	Bright	43.500	102	24Alp Ser	2.6000	4250.0	87	37627	No
148	GOM_NL__2PRFIN20090511_173843_000000442078_00499_37627_4245.N1	11-MAY-2009 17:38:43	Bright	43.500	67	5Alp CrB	2.2210	11000.	87	37627	No
149	GOM_NL__2PRFIN20090511_174942_000000382078_00499_37627_4246.N1	11-MAY-2009 17:49:42	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	37627	No
150	GOM_NL__2PRFIN20090511_180034_000000362078_00499_37627_4247.N1	11-MAY-2009 18:00:34	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	37627	No
151	GOM_NL__2PRFIN20090511_181347_000000342078_00499_37627_4248.N1	11-MAY-2009 18:13:47	Twilight	33.500	93	53Bet Peg	2.5200	3100.0	67	37627	No
152	GOM_NL__2PRFIN20090511_181813_000000352078_00499_37627_4249.N1	11-MAY-2009 18:18:13	Dark	35.000	90	54Alp Peg	2.4870	11000.	70	37627	No
153	GOM_NL__2PRFIN20090511_183252_000000542078_00499_37627_4250.N1	11-MAY-2009 18:32:52	Dark	54.000	142	49Del Cap	2.8500	8900.0	108	37627	No
154	GOM_NL__2PRFIN20090511_183628_000000412078_00499_37627_4251.N1	11-MAY-2009 18:36:28	Dark	41.000	172	Gam Gru	3.0030	13100.	82	37627	No
155	GOM_NL__2PRFIN20090511_185248_000000422078_00500_37628_4255.N1	11-MAY-2009 18:52:48	Straylight	41.500	40	The Sco	1.8590	7100.0	83	37628	No
156	GOM_NL__2PRFIN20090511_185439_000000452078_00500_37628_4256.N1	11-MAY-2009 18:54:39	Straylight	44.500	25	35Lam Sco	1.6200	28000.	89	37628	No
157	GOM_NL__2PRFIN20090511_185712_000000422078_00500_37628_4257.N1	11-MAY-2009 18:57:12	Straylight	41.500	75	26Eps Sco	2.2910	4250.0	83	37628	No
158	GOM_NL__2PRFIN20090511_190027_000000432078_00500_37628_4258.N1	11-MAY-2009 19:00:27	Twilight	42.500	16	21Alp Sco	1.0200	3000.0	85	37628	No
159	GOM_NL__2PRFIN20090511_190217_000000402078_00500_37628_4259.N1	11-MAY-2009 19:02:17	Bright	39.500	80	7Del Sco	2.3160	30000.	79	37628	No
160	GOM_NL__2PRFIN20090511_190701_000000372078_00500_37628_4260.N1	11-MAY-2009 19:07:01	Bright	37.000	104	27Bet Lib	2.6140	13100.	74	37628	No

161	GOM_NL__2PRFIN20090511_191243_000000452078_00500_37628_4261.N1	11-MAY-2009 19:12:43	Bright	44.500	102	24Alp Ser	2.6000	4250.0	89	37628	No
162	GOM_NL__2PRFIN20090511_191919_000000522078_00500_37628_4262.N1	11-MAY-2009 19:19:19	Bright	52.000	67	5Alp CrB	2.2210	11000.	104	37628	No
163	GOM_NL__2PRFIN20090511_193017_000000392078_00500_37628_4263.N1	11-MAY-2009 19:30:17	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	37628	No
164	GOM_NL__2PRFIN20090511_194110_000000362078_00500_37628_4264.N1	11-MAY-2009 19:41:10	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	37628	No
165	GOM_NL__2PRFIN20090511_195423_000000342078_00500_37628_4265.N1	11-MAY-2009 19:54:23	Tw_i_and_stray	34.000	93	53Bet Peg	2.5200	3100.0	68	37628	No
166	GOM_NL__2PRFIN20090511_195849_000000362078_00500_37628_4266.N1	11-MAY-2009 19:58:49	Dark	35.500	90	54Alp Peg	2.4870	11000.	71	37628	No
167	GOM_NL__2PRFIN20090511_201329_000000522078_00500_37628_4267.N1	11-MAY-2009 20:13:29	Dark	52.000	142	49Del Cap	2.8500	8900.0	104	37628	No
168	GOM_NL__2PRFIN20090511_201705_000000422078_00500_37628_4268.N1	11-MAY-2009 20:17:05	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37628	No
169	GOM_NL__2PRFIN20090511_203324_000000422078_00501_37629_4271.N1	11-MAY-2009 20:33:24	Straylight	42.000	40	The Sco	1.8590	7100.0	84	37629	No
170	GOM_NL__2PRFIN20090511_203516_000000452078_00501_37629_4272.N1	11-MAY-2009 20:35:16	Straylight	45.000	25	35Lam Sco	1.6200	28000.	90	37629	No
171	GOM_NL__2PRFIN20090511_203748_000000412078_00501_37629_4273.N1	11-MAY-2009 20:37:48	Straylight	41.000	75	26Eps Sco	2.2910	4250.0	82	37629	No
172	GOM_NL__2PRFIN20090511_204103_000000432078_00501_37629_4274.N1	11-MAY-2009 20:41:03	Tw_i_and_stray	42.500	16	21Alp Sco	1.0200	3000.0	85	37629	No
173	GOM_NL__2PRFIN20090511_204254_000000402078_00501_37629_4275.N1	11-MAY-2009 20:42:54	Bright	39.500	80	7Del Sco	2.3160	30000.	79	37629	No
174	GOM_NL__2PRFIN20090511_204738_000000372078_00501_37629_4276.N1	11-MAY-2009 20:47:38	Bright	36.500	104	27Bet Lib	2.6140	13100.	73	37629	No
175	GOM_NL__2PRFIN20090511_205318_000000442078_00501_37629_4277.N1	11-MAY-2009 20:53:18	Bright	44.000	102	24Alp Ser	2.6000	4250.0	88	37629	No
176	GOM_NL__2PRFIN20090511_205954_000000462078_00501_37629_4278.N1	11-MAY-2009 20:59:54	Bright	45.500	67	5Alp CrB	2.2210	11000.	91	37629	No
177	GOM_NL__2PRFIN20090511_211053_000000392078_00501_37629_4279.N1	11-MAY-2009 21:10:53	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	37629	No
178	GOM_NL__2PRFIN20090511_212146_000000362078_00501_37629_4280.N1	11-MAY-2009 21:21:46	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	37629	No
179	GOM_NL__2PRFIN20090511_213459_000000342078_00501_37629_4281.N1	11-MAY-2009 21:34:59	Tw_i_and_stray	34.000	93	53Bet Peg	2.5200	3100.0	68	37629	No
180	GOM_NL__2PRFIN20090511_213925_000000362078_00501_37629_4282.N1	11-MAY-2009 21:39:25	Dark	35.500	90	54Alp Peg	2.4870	11000.	71	37629	No
181	GOM_NL__2PRFIN20090511_215742_000000412078_00501_37629_4283.N1	11-MAY-2009 21:57:42	Dark	41.000	172	Gam Gru	3.0030	13100.	82	37629	No
182	GOM_NL__2PRFIN20090511_221401_000000422079_00001_37630_4291.N1	11-MAY-2009 22:14:01	Straylight	42.000	40	The Sco	1.8590	7100.0	84	37630	No
183	GOM_NL__2PRFIN20090511_221552_000000452079_00001_37630_4292.N1	11-MAY-2009 22:15:52	Straylight	45.000	25	35Lam Sco	1.6200	28000.	90	37630	No
184	GOM_NL__2PRFIN20090511_221824_000000422079_00001_37630_4293.N1	11-MAY-2009 22:18:24	Straylight	41.500	75	26Eps Sco	2.2910	4250.0	83	37630	No
185	GOM_NL__2PRFIN20090511_222139_000000432079_00001_37630_4294.N1	11-MAY-2009 22:21:39	Tw_i_and_stray	42.500	16	21Alp Sco	1.0200	3000.0	85	37630	No
186	GOM_NL__2PRFIN20090511_222330_000000392079_00001_37630_4295.N1	11-MAY-2009 22:23:30	Bright	39.000	80	7Del Sco	2.3160	30000.	78	37630	No
187	GOM_NL__2PRFIN20090511_222814_000000372079_00001_37630_4296.N1	11-MAY-2009 22:28:14	Bright	36.500	104	27Bet Lib	2.6140	13100.	73	37630	No
188	GOM_NL__2PRFIN20090511_223354_000000442079_00001_37630_4297.N1	11-MAY-2009 22:33:54	Bright	44.000	102	24Alp Ser	2.6000	4250.0	88	37630	No
189	GOM_NL__2PRFIN20090511_224029_000000462079_00001_37630_4298.N1	11-MAY-2009 22:40:29	Bright	45.500	67	5Alp CrB	2.2210	11000.	91	37630	No
190	GOM_NL__2PRFIN20090511_225128_000000392079_00001_37630_4299.N1	11-MAY-2009 22:51:28	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	37630	No
191	GOM_NL__2PRFIN20090511_230221_000000362079_00001_37630_4300.N1	11-MAY-2009 23:02:21	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	37630	No
192	GOM_NL__2PRFIN20090511_231535_000000342079_00001_37630_4301.N1	11-MAY-2009 23:15:35	Tw_i_and_stray	34.000	93	53Bet Peg	2.5200	3100.0	68	37630	No
193	GOM_NL__2PRFIN20090511_232002_000000362079_00001_37630_4302.N1	11-MAY-2009 23:20:02	Dark	35.500	90	54Alp Peg	2.4870	11000.	71	37630	No
194	GOM_NL__2PRFIN20090511_233819_000000422079_00001_37630_4303.N1	11-MAY-2009 23:38:19	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37630	No
195	GOM_NL__2PRFIN20090511_235438_000000422079_00002_37631_4308.N1	11-MAY-2009 23:54:38	Straylight	41.500	40	The Sco	1.8590	7100.0	83	37631	No
196	GOM_NL__2PRFIN20090511_235629_000000452079_00002_37631_4309.N1	11-MAY-2009 23:56:29	Straylight	44.500	25	35Lam Sco	1.6200	28000.	89	37631	No
197	GOM_NL__2PRFIN20090511_235901_000000422079_00002_37631_4310.N1	11-MAY-2009 23:59:01	Straylight	41.500	75	26Eps Sco	2.2910	4250.0	83	37631	No

3. Quality information per product

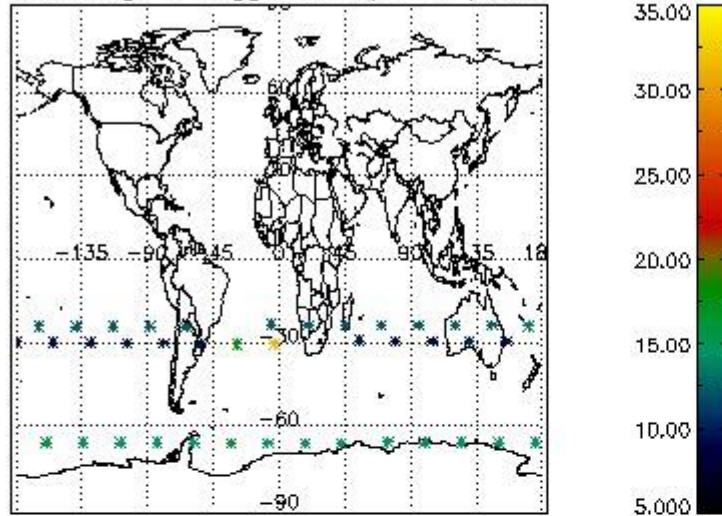
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

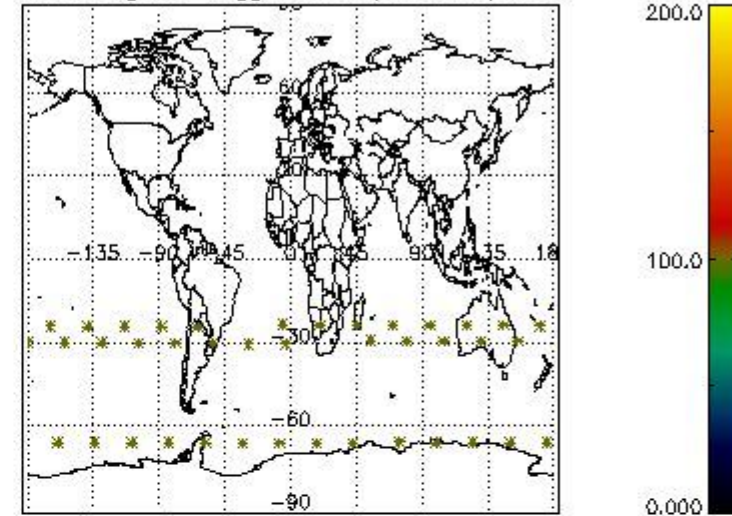


3.2 Plot quality information per product (world map)

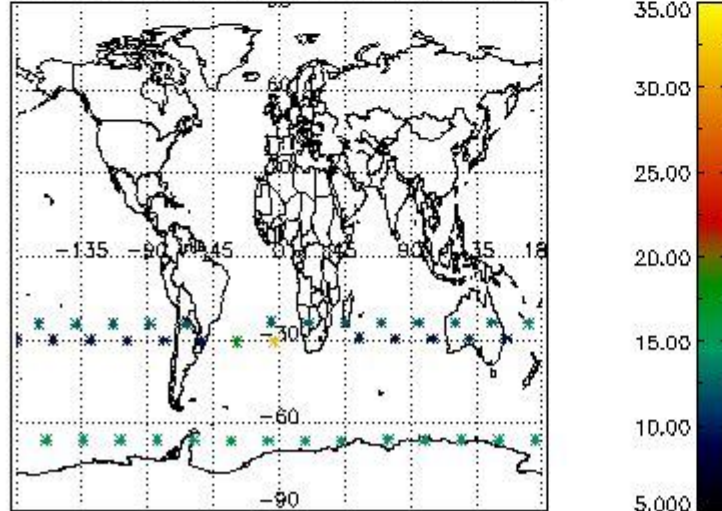
Percentage of flagged data per O3 profile



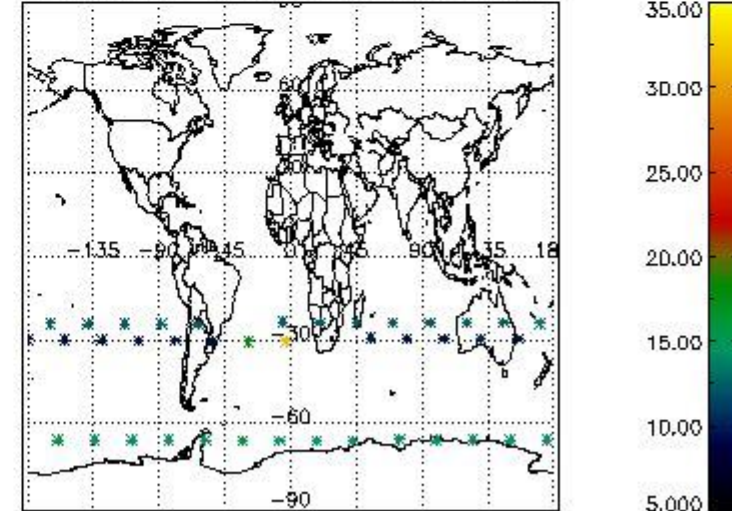
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

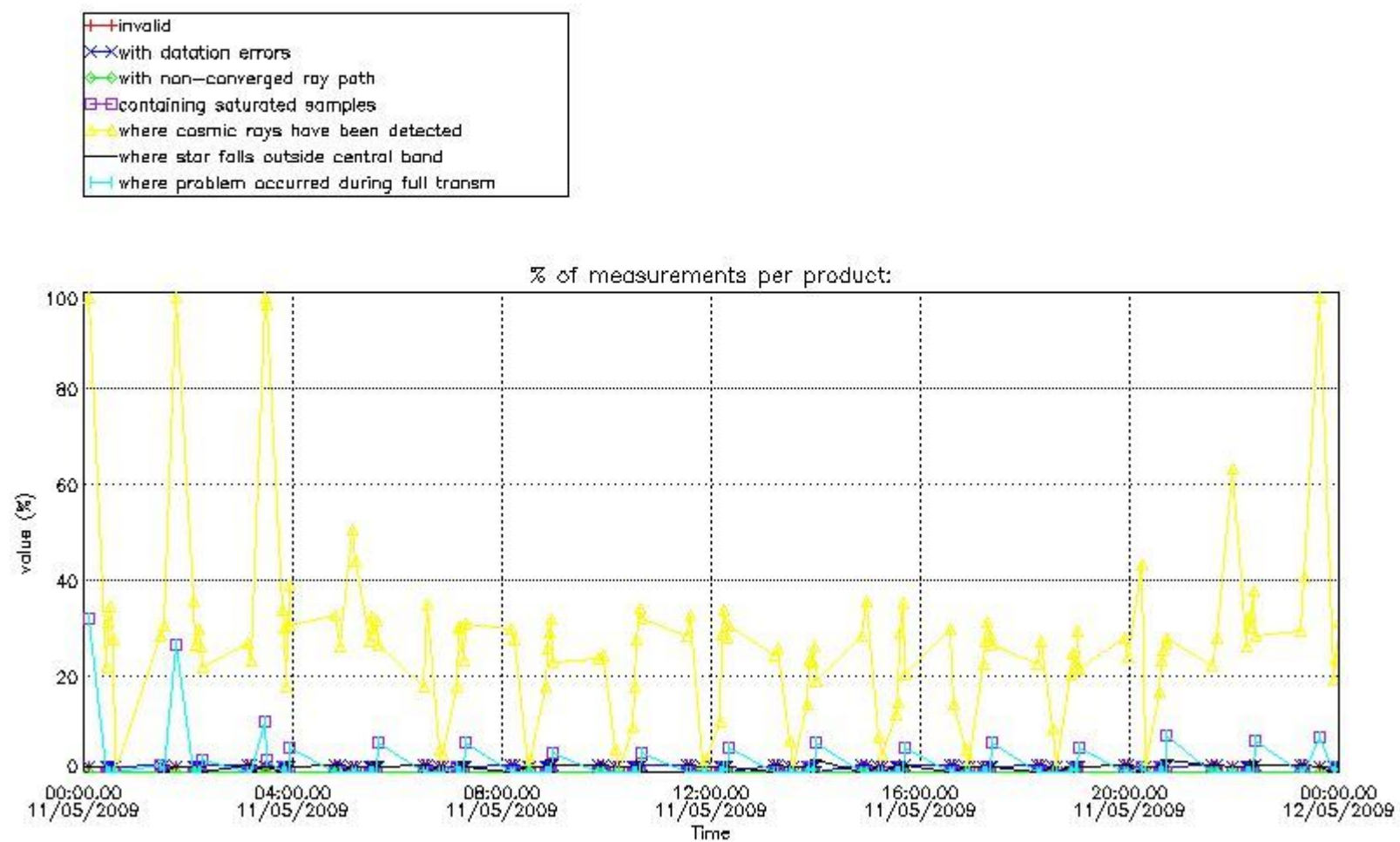


4. Level 1 quality information per product

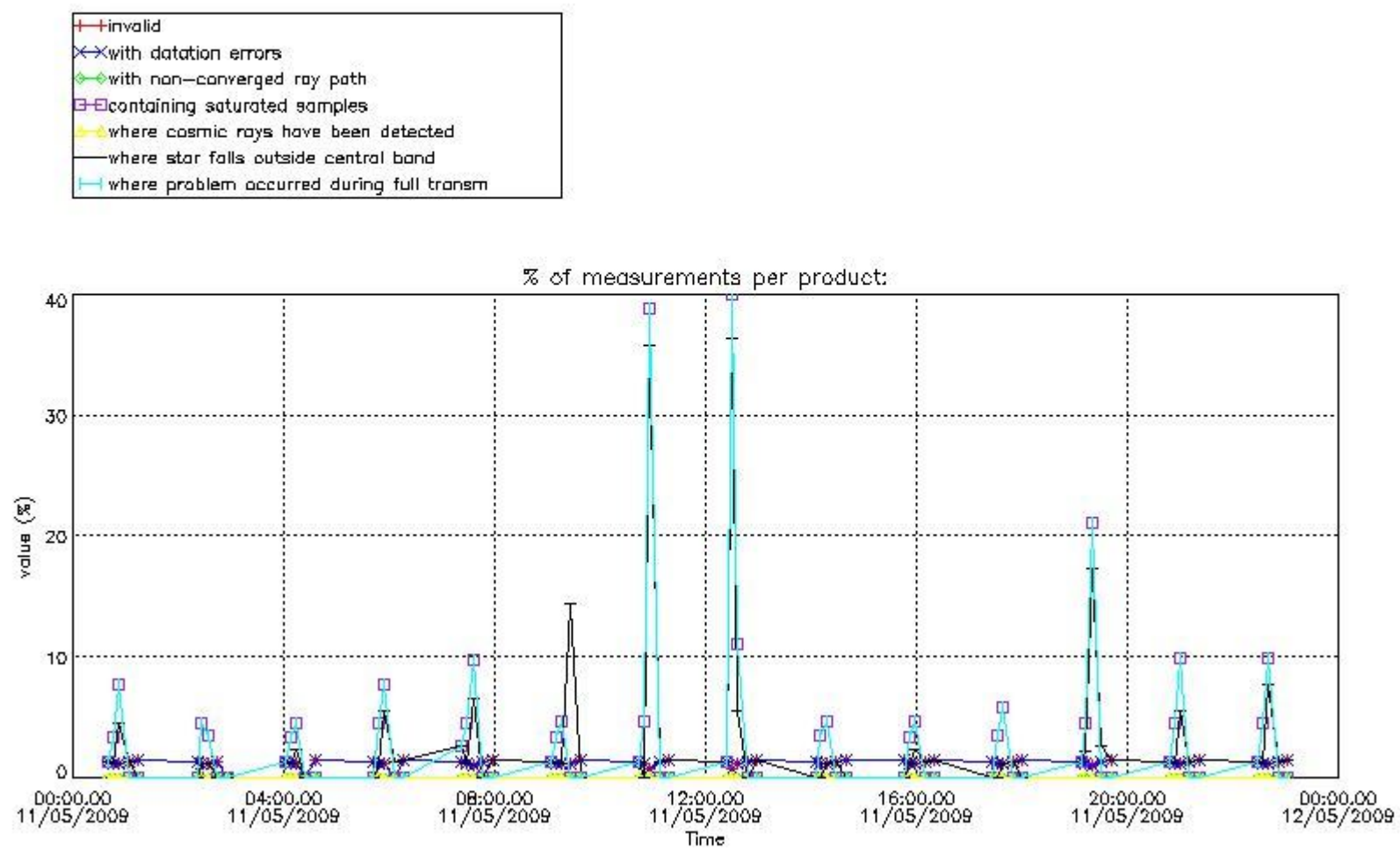
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



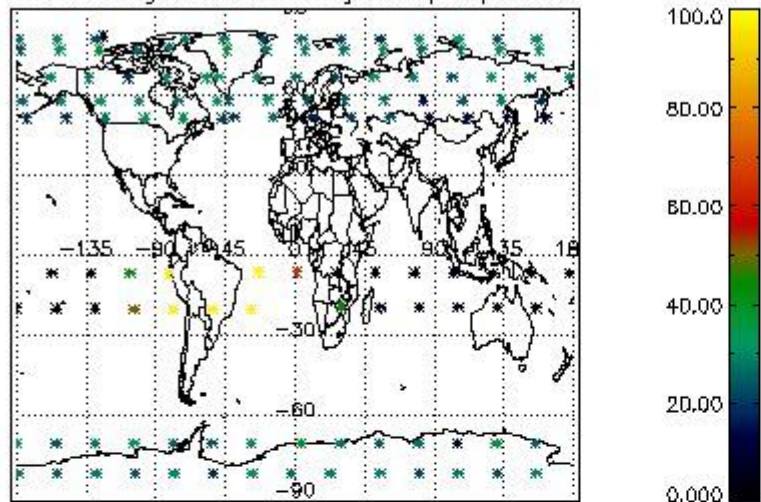
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



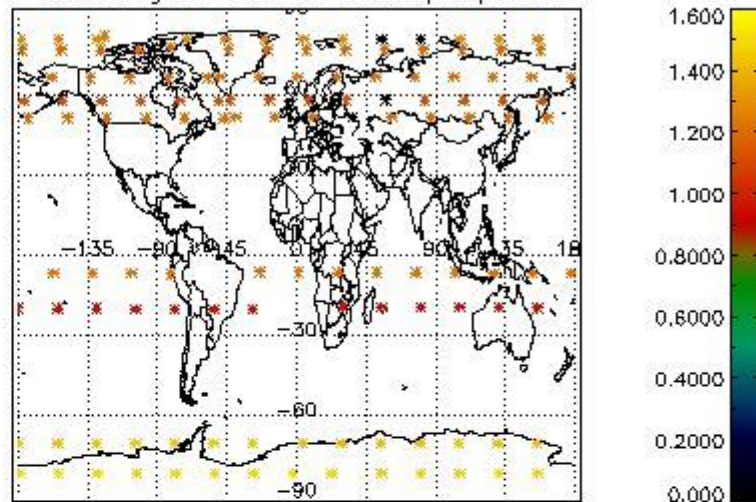
4.2 Plot quality information per product coming from level 1b processing (world map)

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

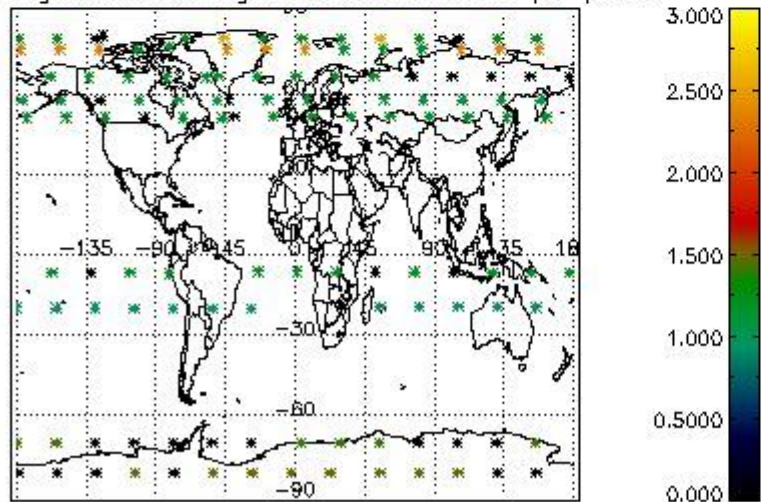
Percentage of cosmic ray hits per profile



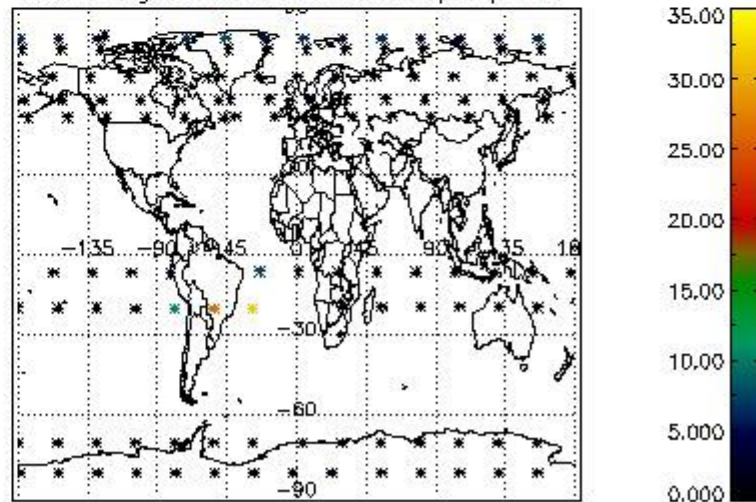
Percentage of datation errors per profile



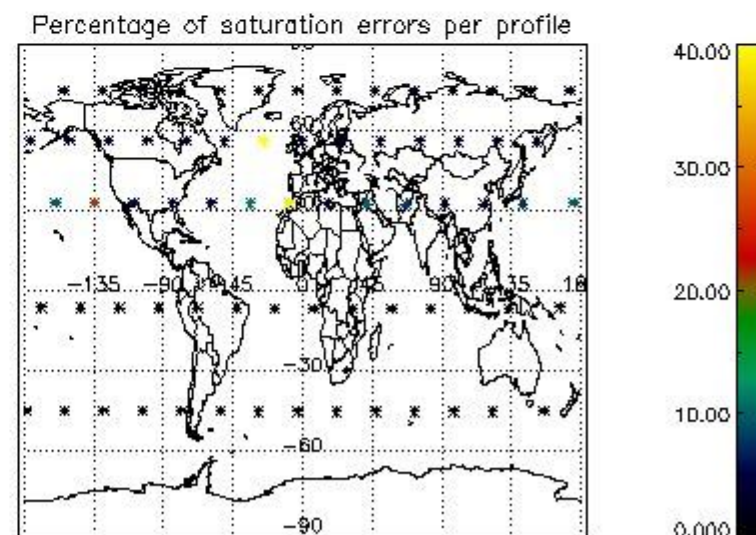
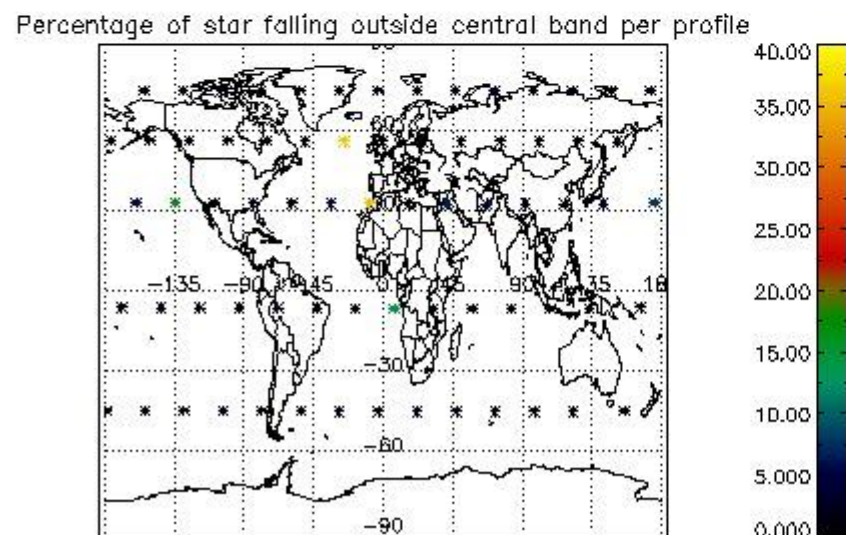
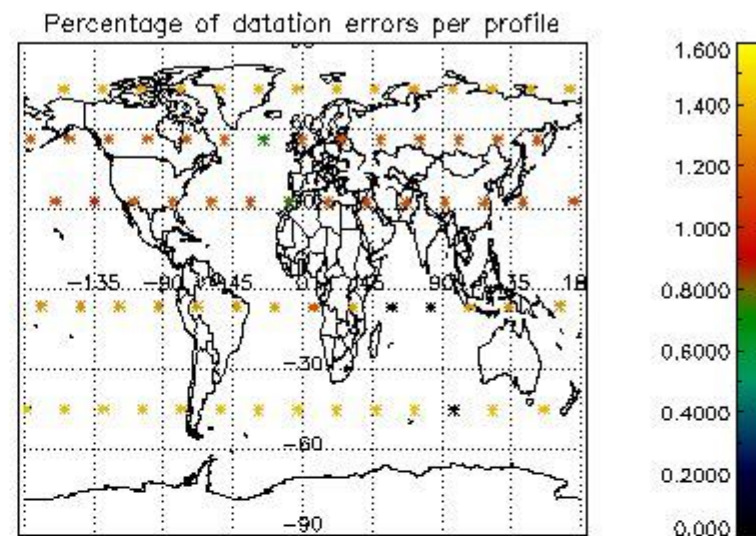
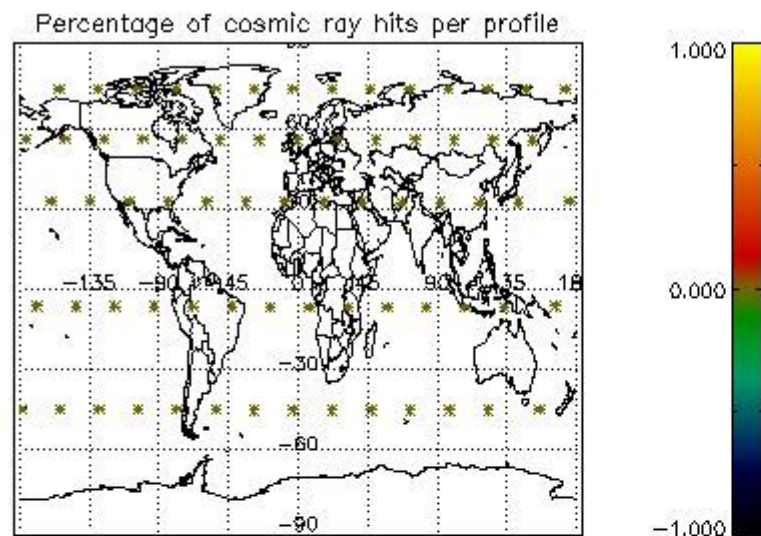
Percentage of star falling outside central band per profile



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

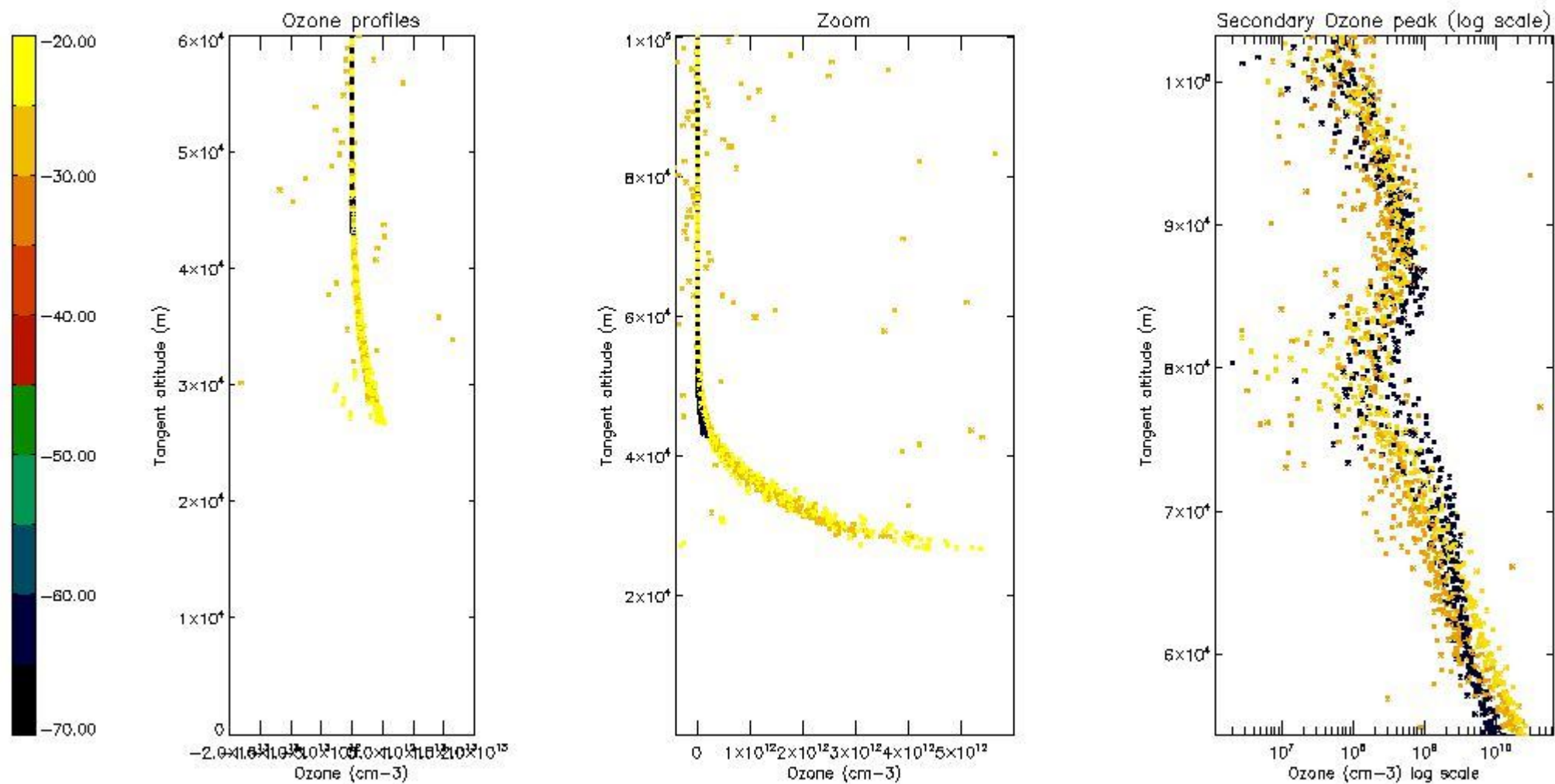
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	21
STD < 20	9

STD < 10	7
STD < 5	1

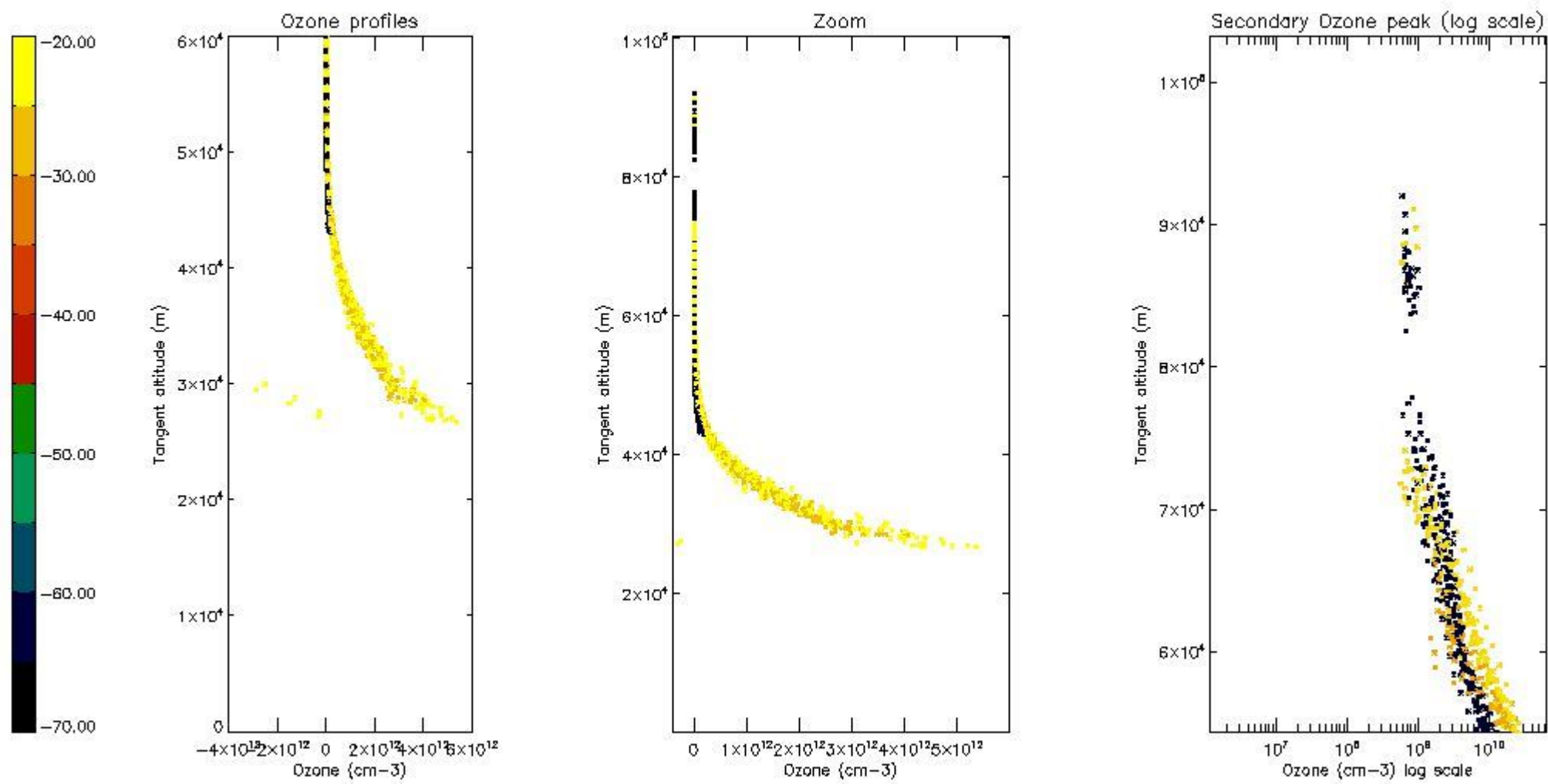
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



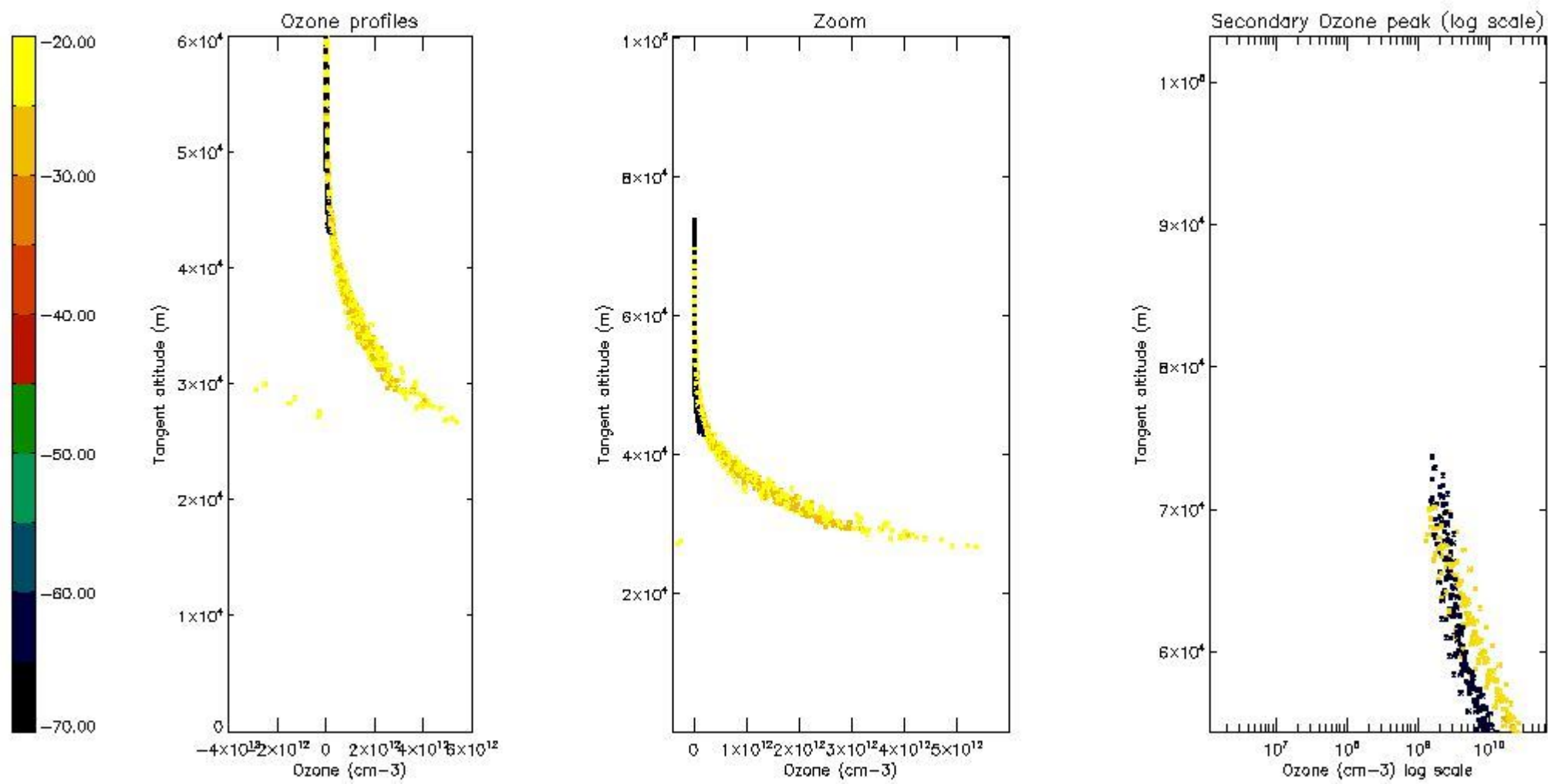
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



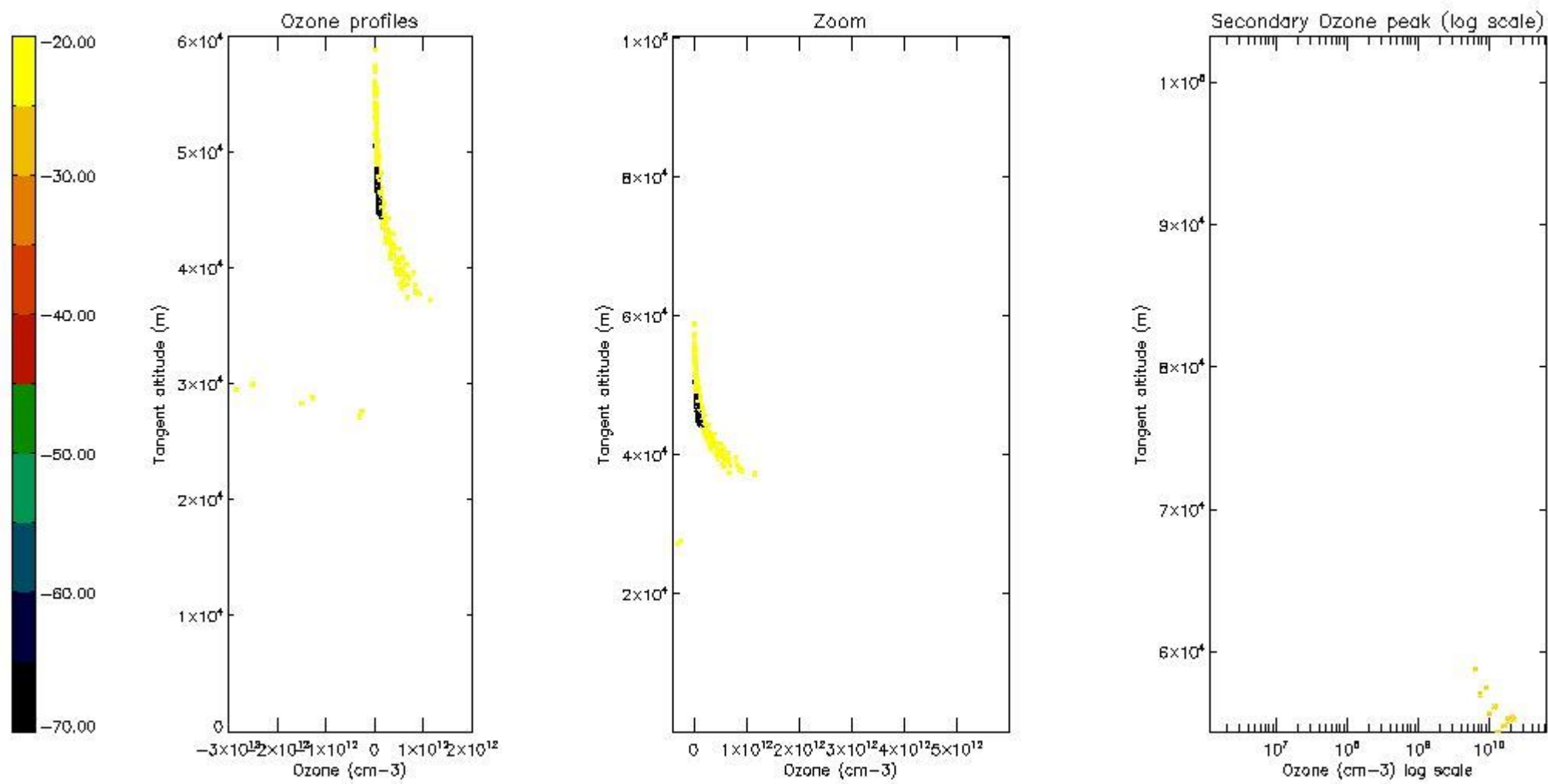
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



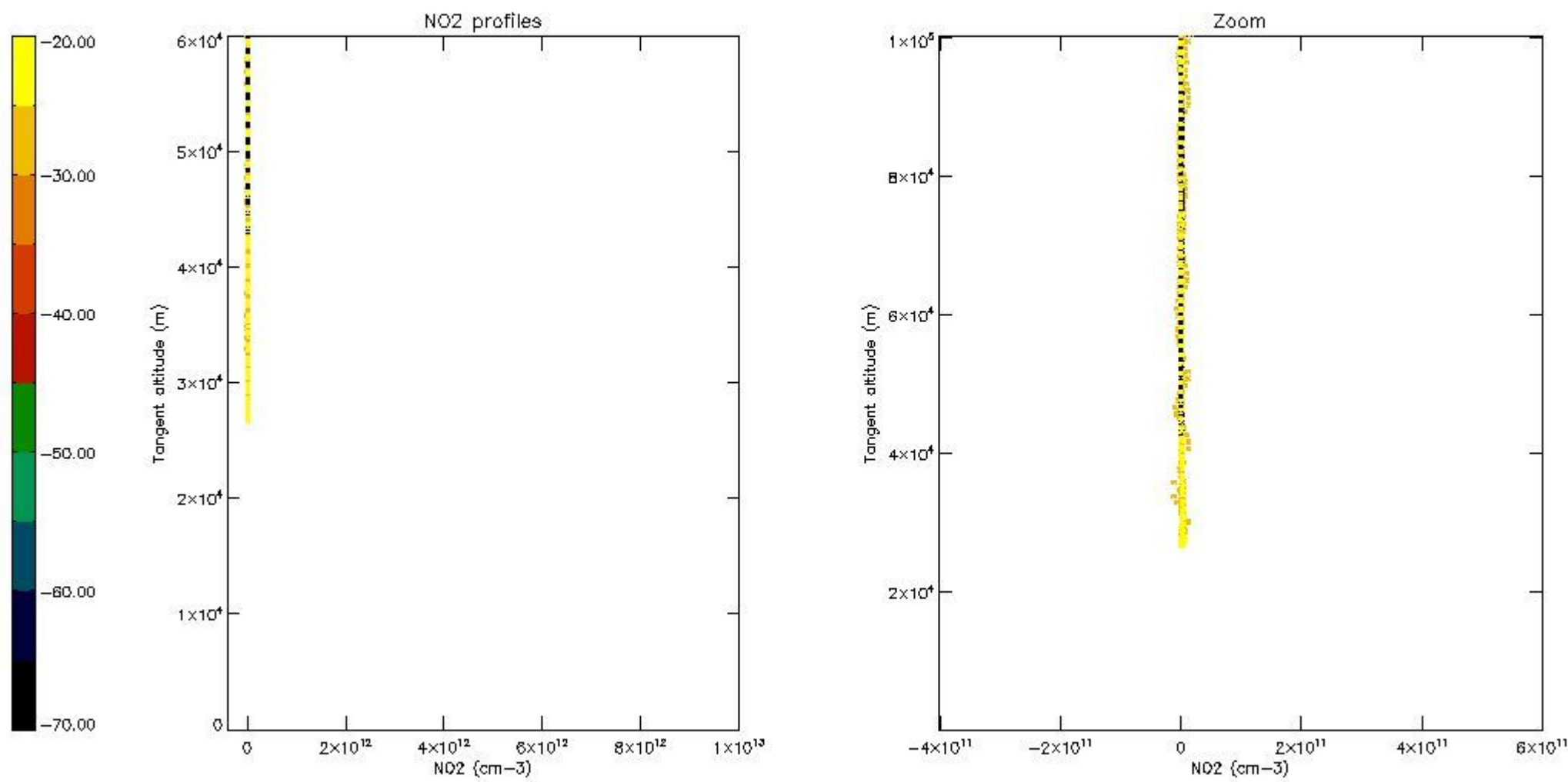
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



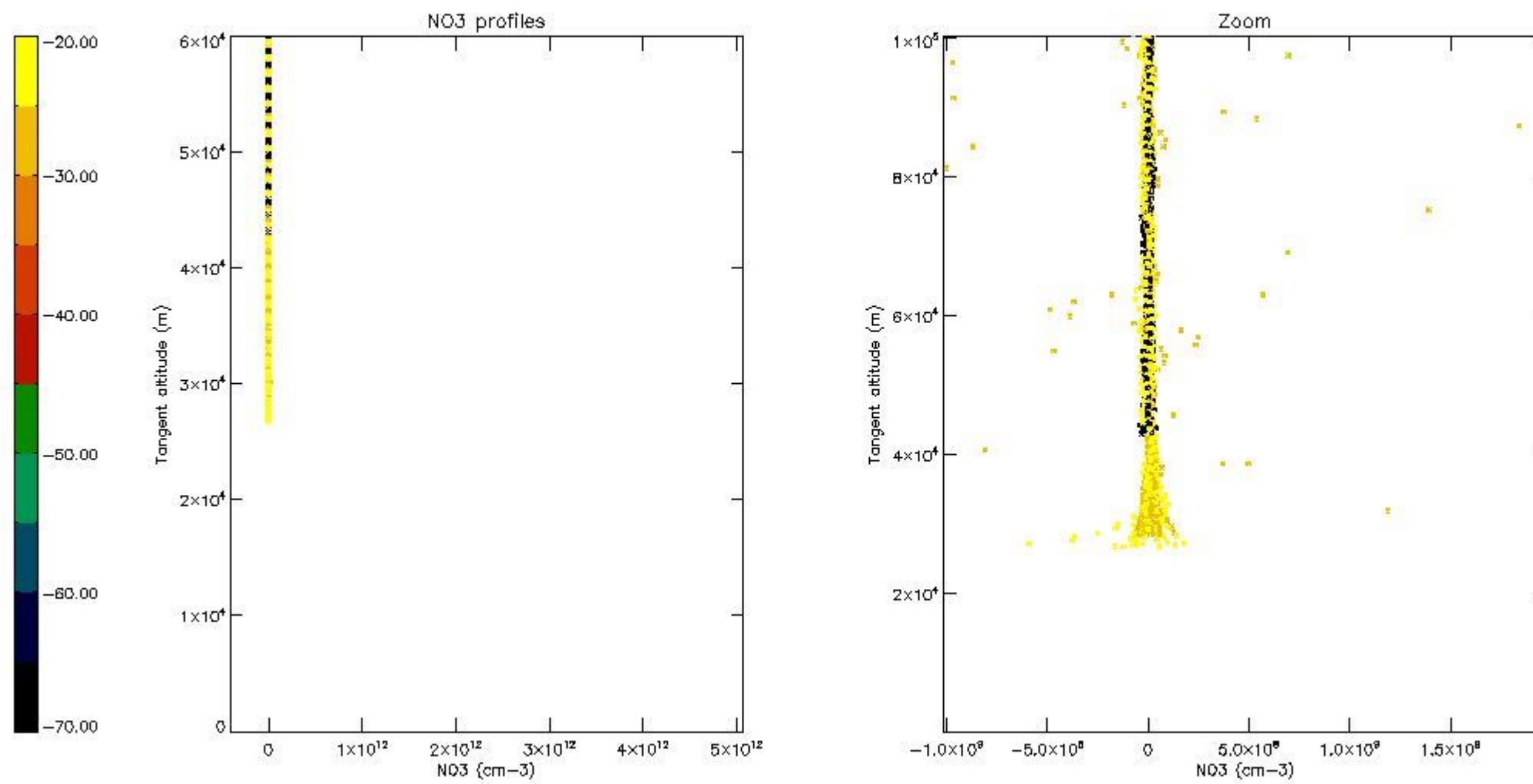
5.6 Plot NO₂ profiles for all STD (dark without errors)

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	11-MAY-2009 00:06:00
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	11-MAY-2009 00:06:00
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	11-MAY-2009 00:06:00

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 09:25:49
Data source version	GOMOS/6.01
Start time of products	11-05-2009 (11MAY2009 00:00:00)
Stop time of products	12-05-2009 (12MAY2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	197
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__2PRFIN20090511_000600_000000532078_00488_37616_4020.N1	11-MAY-2009 00:06:00	Dark	53.000	142	49Del Cap	2.8500	8900.0	106	37616	No
2	GOM_NL__2PRFIN20090511_002605_000000422078_00489_37617_4026.N1	11-MAY-2009 00:26:05	Straylight	41.500	40	The Sco	1.8590	7100.0	83	37617	No
3	GOM_NL__2PRFIN20090511_002756_000000452078_00489_37617_4027.N1	11-MAY-2009 00:27:56	Straylight	45.000	25	35Lam Sco	1.6200	28000.	90	37617	No
4	GOM_NL__2PRFIN20090511_003030_000000422078_00489_37617_4028.N1	11-MAY-2009 00:30:30	Straylight	42.000	75	26Eps Sco	2.2910	4250.0	84	37617	No
5	GOM_NL__2PRFIN20090511_003416_000000422078_00489_37617_4029.N1	11-MAY-2009 00:34:16	Twilight	41.500	156	20Sig Sco	2.9030	28000.	83	37617	No
6	GOM_NL__2PRFIN20090511_003636_000000412078_00489_37617_4030.N1	11-MAY-2009 00:36:36	Bright	40.500	97	8Bet1Sco	2.5610	30000.	81	37617	No
7	GOM_NL__2PRFIN20090511_004026_000000372078_00489_37617_4031.N1	11-MAY-2009 00:40:26	Bright	37.000	104	27Bet Lib	2.6140	13100.	74	37617	No
8	GOM_NL__2PRFIN20090511_004611_000000452078_00489_37617_4032.N1	11-MAY-2009 00:46:11	Bright	44.500	102	24Alp Ser	2.6000	4250.0	89	37617	No
9	GOM_NL__2PRFIN20090511_005250_000000452078_00489_37617_4033.N1	11-MAY-2009 00:52:50	Bright	45.000	67	5Alp CrB	2.2210	11000.	90	37617	No
10	GOM_NL__2PRFIN20090511_010348_000000392078_00489_37617_4034.N1	11-MAY-2009 01:03:48	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	37617	No
11	GOM_NL__2PRFIN20090511_011439_000000352078_00489_37617_4035.N1	11-MAY-2009 01:14:39	Bright	35.000	89	5Alp Cep	2.4510	8000.0	70	37617	No
12	GOM_NL__2PRFIN20090511_012745_000000342078_00489_37617_4036.N1	11-MAY-2009 01:27:45	Twilight	33.500	93	53Bet Peg	2.5200	3100.0	67	37617	No
13	GOM_NL__2PRFIN20090511_013209_000000352078_00489_37617_4037.N1	11-MAY-2009 01:32:09	Dark	34.500	90	54Alp Peg	2.4870	11000.	69	37617	No
14	GOM_NL__2PRFIN20090511_014637_000000532078_00489_37617_4038.N1	11-MAY-2009 01:46:37	Dark	53.000	142	49Del Cap	2.8500	8900.0	106	37617	No
15	GOM_NL__2PRFIN20090511_020641_000000422078_00490_37618_4040.N1	11-MAY-2009 02:06:41	Straylight	42.000	40	The Sco	1.8590	7100.0	84	37618	No
16	GOM_NL__2PRFIN20090511_020832_000000452078_00490_37618_4041.N1	11-MAY-2009 02:08:32	Straylight	45.000	25	35Lam Sco	1.6200	28000.	90	37618	No
17	GOM_NL__2PRFIN20090511_021107_000000422078_00490_37618_4042.N1	11-MAY-2009 02:11:07	Straylight	42.000	75	26Eps Sco	2.2910	4250.0	84	37618	No
18	GOM_NL__2PRFIN20090511_021424_000000422078_00490_37618_4043.N1	11-MAY-2009 02:14:24	Twilight	42.000	16	21Alp Sco	1.0200	3000.0	84	37618	No
19	GOM_NL__2PRFIN20090511_021616_000000392078_00490_37618_4044.N1	11-MAY-2009 02:16:16	Bright	39.000	80	7Del Sco	2.3160	30000.	78	37618	No
20	GOM_NL__2PRFIN20090511_022102_000000372078_00490_37618_4045.N1	11-MAY-2009 02:21:02	Bright	37.000	104	27Bet Lib	2.6140	13100.	74	37618	No
21	GOM_NL__2PRFIN20090511_022647_000000452078_00490_37618_4046.N1	11-MAY-2009 02:26:47	Bright	44.500	102	24Alp Ser	2.6000	4250.0	89	37618	No
22	GOM_NL__2PRFIN20090511_023325_000000442078_00490_37618_4047.N1	11-MAY-2009 02:33:25	Bright	43.500	67	5Alp CrB	2.2210	11000.	87	37618	No
23	GOM_NL__2PRFIN20090511_024423_000000382078_00490_37618_4048.N1	11-MAY-2009 02:44:23	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	37618	No
24	GOM_NL__2PRFIN20090511_025514_000000352078_00490_37618_4049.N1	11-MAY-2009 02:55:14	Bright	35.000	89	5Alp Cep	2.4510	8000.0	70	37618	No
25	GOM_NL__2PRFIN20090511_030821_000000342078_00490_37618_4050.N1	11-MAY-2009 03:08:21	Twilight	33.500	93	53Bet Peg	2.5200	3100.0	67	37618	No
26	GOM_NL__2PRFIN20090511_031245_000000352078_00490_37618_4051.N1	11-MAY-2009 03:12:45	Dark	34.500	90	54Alp Peg	2.4870	11000.	69	37618	No
27	GOM_NL__2PRFIN20090511_032715_000000532078_00490_37618_4052.N1	11-MAY-2009 03:27:15	Dark	53.000	142	49Del Cap	2.8500	8900.0	106	37618	No
28	GOM_NL__2PRFIN20090511_033056_000000412078_00490_37618_4053.N1	11-MAY-2009 03:30:56	Dark	41.000	172	Gam Gru	3.0030	13100.	82	37618	No
29	GOM_NL__2PRFIN20090511_034718_000000422078_00491_37619_4055.N1	11-MAY-2009 03:47:18	Straylight	41.500	40	The Sco	1.8590	7100.0	83	37619	No
30	GOM_NL__2PRFIN20090511_034909_000000452078_00491_37619_4056.N1	11-MAY-2009 03:49:09	Straylight	45.000	25	35Lam Sco	1.6200	28000.	90	37619	No
31	GOM_NL__2PRFIN20090511_035143_000000422078_00491_37619_4057.N1	11-MAY-2009 03:51:43	Straylight	42.000	75	26Eps Sco	2.2910	4250.0	84	37619	No
32	GOM_NL__2PRFIN20090511_035501_000000432078_00491_37619_4058.N1	11-MAY-2009 03:55:01	Twilight	42.500	16	21Alp Sco	1.0200	3000.0	85	37619	No
33	GOM_NL__2PRFIN20090511_035652_000000402078_00491_37619_4059.N1	11-MAY-2009 03:56:52	Bright	39.500	80	7Del Sco	2.3160	30000.	79	37619	No
34	GOM_NL__2PRFIN20090511_040138_000000372078_00491_37619_4060.N1	11-MAY-2009 04:01:38	Bright	36.500	104	27Bet Lib	2.6140	13100.	73	37619	No
35	GOM_NL__2PRFIN20090511_040723_000000442078_00491_37619_4061.N1	11-MAY-2009 04:07:23	Bright	44.000	102	24Alp Ser	2.6000	4250.0	88	37619	No
36	GOM_NL__2PRFIN20090511_041401_000000442078_00491_37619_4062.N1	11-MAY-2009 04:14:01	Bright	44.000	67	5Alp CrB	2.2210	11000.	88	37619	No
37	GOM_NL__2PRFIN20090511_042459_000000382078_00491_37619_4063.N1	11-MAY-2009 04:24:59	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	37619	No
38	GOM_NL__2PRFIN20090511_043550_000000352078_00491_37619_4064.N1	11-MAY-2009 04:35:50	Bright	35.000	89	5Alp Cep	2.4510	8000.0	70	37619	No
39	GOM_NL__2PRFIN20090511_044857_000000342078_00491_37619_4065.N1	11-MAY-2009 04:48:57	Twilight	33.500	93	53Bet Peg	2.5200	3100.0	67	37619	No
40	GOM_NL__2PRFIN20090511_045322_000000352078_00491_37619_4066.N1	11-MAY-2009 04:53:22	Dark	34.500	90	54Alp Peg	2.4870	11000.	69	37619	No
41	GOM_NL__2PRFIN20090511_050752_000000542078_00491_37619_4067.N1	11-MAY-2009 05:07:52	Dark	53.500	142	49Del Cap	2.8500	8900.0	107	37619	No
42	GOM_NL__2PRFIN20090511_051133_000000412078_00491_37619_4068.N1	11-MAY-2009 05:11:33	Dark	41.000	172	Gam Gru	3.0030	13100.	82	37619	No

43	GOM_NL__2PRFIN20090511_052754_000000422078_00492_37620_4071.N1	11-MAY-2009 05:27:54	Straylight	42.000	40	The Sco	1.8590	7100.0	84	37620	No
44	GOM_NL__2PRFIN20090511_052946_000000452078_00492_37620_4072.N1	11-MAY-2009 05:29:46	Straylight	45.000	25	35Lam Sco	1.6200	28000.	90	37620	No
45	GOM_NL__2PRFIN20090511_053220_000000422078_00492_37620_4073.N1	11-MAY-2009 05:32:20	Straylight	42.000	75	26Eps Sco	2.2910	4250.0	84	37620	No
46	GOM_NL__2PRFIN20090511_053537_000000432078_00492_37620_4074.N1	11-MAY-2009 05:35:37	Tw_i_and_stray	42.500	16	21Alp Sco	1.0200	3000.0	85	37620	No
47	GOM_NL__2PRFIN20090511_053728_000000402078_00492_37620_4075.N1	11-MAY-2009 05:37:28	Bright	39.500	80	7Del Sco	2.3160	30000.	79	37620	No
48	GOM_NL__2PRFIN20090511_054214_000000372078_00492_37620_4076.N1	11-MAY-2009 05:42:14	Bright	36.500	104	27Bet Lib	2.6140	13100.	73	37620	No
49	GOM_NL__2PRFIN20090511_054758_000000452078_00492_37620_4077.N1	11-MAY-2009 05:47:58	Bright	44.500	102	24Alp Ser	2.6000	4250.0	89	37620	No
50	GOM_NL__2PRFIN20090511_055436_000000462078_00492_37620_4078.N1	11-MAY-2009 05:54:36	Bright	45.500	67	5Alp CrB	2.2210	11000.	91	37620	No
51	GOM_NL__2PRFIN20090511_060534_000000392078_00492_37620_4079.N1	11-MAY-2009 06:05:34	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	37620	No
52	GOM_NL__2PRFIN20090511_061626_000000362078_00492_37620_4080.N1	11-MAY-2009 06:16:26	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	37620	No
53	GOM_NL__2PRFIN20090511_062934_000000342078_00492_37620_4081.N1	11-MAY-2009 06:29:34	Tw_i_and_stray	33.500	93	53Bet Peg	2.5200	3100.0	67	37620	No
54	GOM_NL__2PRFIN20090511_063358_000000352078_00492_37620_4082.N1	11-MAY-2009 06:33:58	Dark	34.500	90	54Alp Peg	2.4870	11000.	69	37620	No
55	GOM_NL__2PRFIN20090511_064830_000000542078_00492_37620_4083.N1	11-MAY-2009 06:48:30	Dark	53.500	142	49Del Cap	2.8500	8900.0	107	37620	No
56	GOM_NL__2PRFIN20090511_065210_000000412078_00492_37620_4084.N1	11-MAY-2009 06:52:10	Dark	41.000	172	Gam Gru	3.0030	13100.	82	37620	No
57	GOM_NL__2PRFIN20090511_070831_000000422078_00493_37621_4085.N1	11-MAY-2009 07:08:31	Straylight	42.000	40	The Sco	1.8590	7100.0	84	37621	No
58	GOM_NL__2PRFIN20090511_071023_000000452078_00493_37621_4086.N1	11-MAY-2009 07:10:23	Straylight	45.000	25	35Lam Sco	1.6200	28000.	90	37621	No
59	GOM_NL__2PRFIN20090511_071257_000000422078_00493_37621_4087.N1	11-MAY-2009 07:12:57	Straylight	41.500	75	26Eps Sco	2.2910	4250.0	83	37621	No
60	GOM_NL__2PRFIN20090511_071613_000000432078_00493_37621_4088.N1	11-MAY-2009 07:16:13	Tw_i_and_stray	43.000	16	21Alp Sco	1.0200	3000.0	86	37621	No
61	GOM_NL__2PRFIN20090511_071804_000000412078_00493_37621_4089.N1	11-MAY-2009 07:18:04	Bright	40.500	80	7Del Sco	2.3160	30000.	81	37621	No
62	GOM_NL__2PRFIN20090511_072250_000000382078_00493_37621_4090.N1	11-MAY-2009 07:22:50	Bright	37.500	104	27Bet Lib	2.6140	13100.	75	37621	No
63	GOM_NL__2PRFIN20090511_072834_000000442078_00493_37621_4091.N1	11-MAY-2009 07:28:34	Bright	44.000	102	24Alp Ser	2.6000	4250.0	88	37621	No
64	GOM_NL__2PRFIN20090511_073511_000000462078_00493_37621_4092.N1	11-MAY-2009 07:35:11	Bright	46.000	67	5Alp CrB	2.2210	11000.	92	37621	No
65	GOM_NL__2PRFIN20090511_074610_000000382078_00493_37621_4093.N1	11-MAY-2009 07:46:10	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	37621	No
66	GOM_NL__2PRFIN20090511_075701_000000362078_00493_37621_4094.N1	11-MAY-2009 07:57:01	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	37621	No
67	GOM_NL__2PRFIN20090511_081010_000000342078_00493_37621_4095.N1	11-MAY-2009 08:10:10	Tw_i_and_stray	33.500	93	53Bet Peg	2.5200	3100.0	67	37621	No
68	GOM_NL__2PRFIN20090511_081435_000000352078_00493_37621_4096.N1	11-MAY-2009 08:14:35	Dark	34.500	90	54Alp Peg	2.4870	11000.	69	37621	No
69	GOM_NL__2PRFIN20090511_082907_000000542078_00493_37621_4097.N1	11-MAY-2009 08:29:07	Dark	53.500	142	49Del Cap	2.8500	8900.0	107	37621	No
70	GOM_NL__2PRFIN20090511_083247_000000412078_00493_37621_4098.N1	11-MAY-2009 08:32:47	Dark	41.000	172	Gam Gru	3.0030	13100.	82	37621	No
71	GOM_NL__2PRFIN20090511_084908_000000422078_00494_37622_4101.N1	11-MAY-2009 08:49:08	Straylight	42.000	40	The Sco	1.8590	7100.0	84	37622	No
72	GOM_NL__2PRFIN20090511_085100_000000452078_00494_37622_4102.N1	11-MAY-2009 08:51:00	Straylight	44.500	25	35Lam Sco	1.6200	28000.	89	37622	No
73	GOM_NL__2PRFIN20090511_085333_000000422078_00494_37622_4103.N1	11-MAY-2009 08:53:33	Straylight	41.500	75	26Eps Sco	2.2910	4250.0	83	37622	No
74	GOM_NL__2PRFIN20090511_085650_000000422078_00494_37622_4104.N1	11-MAY-2009 08:56:50	Tw_i_and_stray	42.000	16	21Alp Sco	1.0200	3000.0	84	37622	No
75	GOM_NL__2PRFIN20090511_085841_000000392078_00494_37622_4105.N1	11-MAY-2009 08:58:41	Bright	39.000	80	7Del Sco	2.3160	30000.	78	37622	No
76	GOM_NL__2PRFIN20090511_090326_000000372078_00494_37622_4106.N1	11-MAY-2009 09:03:26	Bright	36.500	104	27Bet Lib	2.6140	13100.	73	37622	No
77	GOM_NL__2PRFIN20090511_090910_000000442078_00494_37622_4107.N1	11-MAY-2009 09:09:10	Bright	44.000	102	24Alp Ser	2.6000	4250.0	88	37622	No
78	GOM_NL__2PRFIN20090511_091547_000000442078_00494_37622_4108.N1	11-MAY-2009 09:15:47	Bright	43.500	67	5Alp CrB	2.2210	11000.	87	37622	No
79	GOM_NL__2PRFIN20090511_092645_000000452078_00494_37622_4109.N1	11-MAY-2009 09:26:45	Bright	45.000	119	14Eta Dra	2.7270	4700.0	90	37622	No
80	GOM_NL__2PRFIN20090511_093737_000000352078_00494_37622_4110.N1	11-MAY-2009 09:37:37	Bright	35.000	89	5Alp Cep	2.4510	8000.0	70	37622	No
81	GOM_NL__2PRFIN20090511_095046_000000342078_00494_37622_4111.N1	11-MAY-2009 09:50:46	Tw_i_and_stray	34.000	93	53Bet Peg	2.5200	3100.0	68	37622	No
82	GOM_NL__2PRFIN20090511_095511_000000352078_00494_37622_4112.N1	11-MAY-2009 09:55:11	Dark	35.000	90	54Alp Peg	2.4870	11000.	70	37622	No
83	GOM_NL__2PRFIN20090511_100945_000000542078_00494_37622_4113.N1	11-MAY-2009 10:09:45	Dark	53.500	142	49Del Cap	2.8500	8900.0	107	37622	No
84	GOM_NL__2PRFIN20090511_101324_000000412078_00494_37622_4114.N1	11-MAY-2009 10:13:24	Dark	41.000	172	Gam Gru	3.0030	13100.	82	37622	No
85	GOM_NL__2PRFIN20090511_102944_000000422078_00495_37623_4136.N1	11-MAY-2009 10:29:44	Straylight	42.000	40	The Sco	1.8590	7100.0	84	37623	No
86	GOM_NL__2PRFIN20090511_103136_000000452078_00495_37623_4137.N1	11-MAY-2009 10:31:36	Straylight	45.000	25	35Lam Sco	1.6200	28000.	90	37623	No
87	GOM_NL__2PRFIN20090511_103409_000000422078_00495_37623_4138.N1	11-MAY-2009 10:34:09	Straylight	41.500	75	26Eps Sco	2.2910	4250.0	83	37623	No
88	GOM_NL__2PRFIN20090511_103726_000000432078_00495_37623_4139.N1	11-MAY-2009 10:37:26	Tw_i_and_stray	42.500	16	21Alp Sco	1.0200	3000.0	85	37623	No
89	GOM_NL__2PRFIN20090511_103917_000000392078_00495_37623_4140.N1	11-MAY-2009 10:39:17	Bright	39.000	80	7Del Sco	2.3160	30000.	78	37623	No
90	GOM_NL__2PRFIN20090511_104402_000000372078_00495_37623_4141.N1	11-MAY-2009 10:44:02	Bright	36.500	104	27Bet Lib	2.6140	13100.	73	37623	No
91	GOM_NL__2PRFIN20090511_104945_000000442078_00495_37623_4142.N1	11-MAY-2009 10:49:45	Bright	43.500	102	24Alp Ser	2.6000	4250.0	87	37623	No
92	GOM_NL__2PRFIN20090511_105622_000000672078_00495_37623_4143.N1	11-MAY-2009 10:56:22	Bright	67.000	67	5Alp CrB	2.2210	11000.	134	37623	No
93	GOM_NL__2PRFIN20090511_110721_000000382078_00495_37623_4144.N1	11-MAY-2009 11:07:21	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	37623	No
94	GOM_NL__2PRFIN20090511_111812_000000362078_00495_37623_4145.N1	11-MAY-2009 11:18:12	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	37623	No
95	GOM_NL__2PRFIN20090511_113122_000000342078_00495_37623_4146.N1	11-MAY-2009 11:31:22	Tw_i_and_stray	33.500	93	53Bet Peg	2.5200	3100.0	67	37623	No
96	GOM_NL__2PRFIN20090511_113547_000000352078_00495_37623_4147.N1	11-MAY-2009 11:35:47	Dark	35.000	90	54Alp Peg	2.4870	11000.	70	37623	No
97	GOM_NL__2PRFIN20090511_115022_000000542078_00495_37623_4148.N1	11-MAY-2009 11:50:22	Dark	53.500	142	49Del Cap	2.8500	8900.0	107	37623	No
98	GOM_NL__2PRFIN20090511_115401_000000412078_00495_37623_4149.N1	11-MAY-2009 11:54:01	Dark	41.000	172	Gam Gru	3.0030	13100.	82	37623	No
99	GOM_NL__2PRFIN20090511_121021_000000422078_00496_37624_4150.N1	11-MAY-2009 12:10:21	Straylight	42.000	40	The Sco	1.8590	7100.0	84	37624	No
100	GOM_NL__2PRFIN20090511_121213_000000452078_00496_37624_4151.N1	11-MAY-2009 12:12:13	Straylight	45.000	25	35Lam Sco	1.6200	28000.	90	37624	No
101	GOM_NL__2PRFIN20090511_121446_000000422078_00496_37624_4152.N1	11-MAY-2009 12:14:46	Straylight	41.500	75	26Eps Sco	2.2910	4250.0	83	37624	No

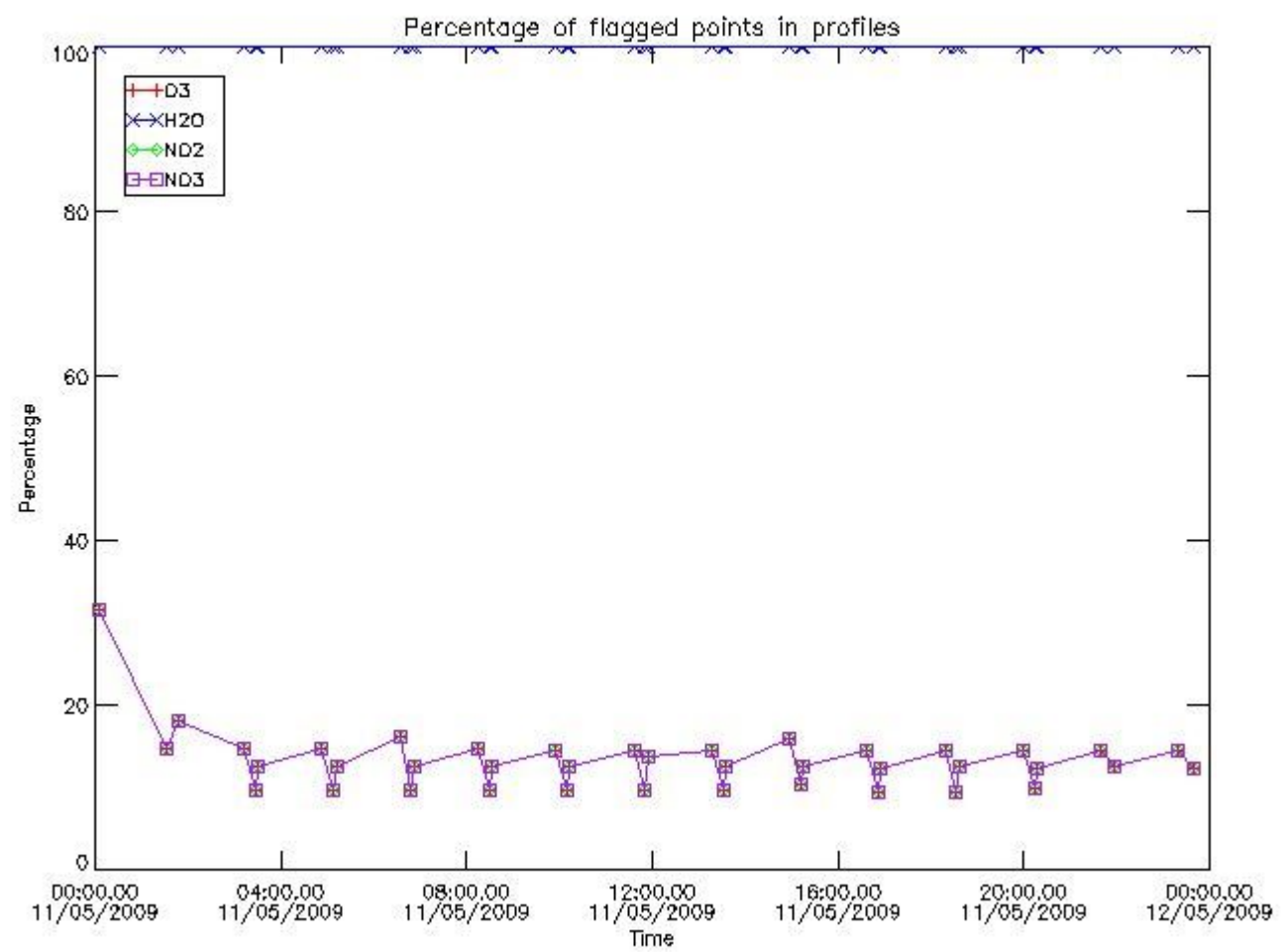
102	GOM_NL__2PRFIN20090511_121802_000000432078_00496_37624_4153.N1	11-MAY-2009 12:18:02	Twilight	43.000	16	21Alp Sco	1.0200	3000.0	86	37624	No
103	GOM_NL__2PRFIN20090511_121952_000000402078_00496_37624_4154.N1	11-MAY-2009 12:19:52	Bright	39.500	80	7Del Sco	2.3160	30000.	79	37624	No
104	GOM_NL__2PRFIN20090511_122438_000000372078_00496_37624_4155.N1	11-MAY-2009 12:24:38	Bright	37.000	104	27Bet Lib	2.6140	13100.	74	37624	No
105	GOM_NL__2PRFIN20090511_123021_000000702078_00496_37624_4156.N1	11-MAY-2009 12:30:21	Bright	70.000	102	24Alp Ser	2.6000	4250.0	140	37624	No
106	GOM_NL__2PRFIN20090511_123657_000000462078_00496_37624_4157.N1	11-MAY-2009 12:36:57	Bright	45.500	67	5Alp CrB	2.2210	11000.	91	37624	No
107	GOM_NL__2PRFIN20090511_124756_000000382078_00496_37624_4158.N1	11-MAY-2009 12:47:56	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	37624	No
108	GOM_NL__2PRFIN20090511_125848_000000362078_00496_37624_4159.N1	11-MAY-2009 12:58:48	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	37624	No
109	GOM_NL__2PRFIN20090511_131158_000000332078_00496_37624_4160.N1	11-MAY-2009 13:11:58	Twilight	33.000	93	53Bet Peg	2.5200	3100.0	66	37624	No
110	GOM_NL__2PRFIN20090511_131624_000000352078_00496_37624_4161.N1	11-MAY-2009 13:16:24	Dark	35.000	90	54Alp Peg	2.4870	11000.	70	37624	No
111	GOM_NL__2PRFIN20090511_133059_000000542078_00496_37624_4162.N1	11-MAY-2009 13:30:59	Dark	53.500	142	49Del Cap	2.8500	8900.0	107	37624	No
112	GOM_NL__2PRFIN20090511_133438_000000412078_00496_37624_4163.N1	11-MAY-2009 13:34:38	Dark	41.000	172	Gam Gru	3.0030	13100.	82	37624	No
113	GOM_NL__2PRFIN20090511_135057_000000422078_00497_37625_4209.N1	11-MAY-2009 13:50:57	Straylight	42.000	40	The Sco	1.8590	7100.0	84	37625	No
114	GOM_NL__2PRFIN20090511_135249_000000452078_00497_37625_4210.N1	11-MAY-2009 13:52:49	Straylight	45.000	25	35Lam Sco	1.6200	28000.	90	37625	No
115	GOM_NL__2PRFIN20090511_135522_000000422078_00497_37625_4211.N1	11-MAY-2009 13:55:22	Straylight	41.500	75	26Eps Sco	2.2910	4250.0	83	37625	No
116	GOM_NL__2PRFIN20090511_135838_000000422078_00497_37625_4212.N1	11-MAY-2009 13:58:38	Twilight	42.000	16	21Alp Sco	1.0200	3000.0	84	37625	No
117	GOM_NL__2PRFIN20090511_140029_000000402078_00497_37625_4213.N1	11-MAY-2009 14:00:29	Bright	39.500	80	7Del Sco	2.3160	30000.	79	37625	No
118	GOM_NL__2PRFIN20090511_140514_000000372078_00497_37625_4214.N1	11-MAY-2009 14:05:14	Bright	36.500	104	27Bet Lib	2.6140	13100.	73	37625	No
119	GOM_NL__2PRFIN20090511_141056_000000442078_00497_37625_4215.N1	11-MAY-2009 14:10:56	Bright	43.500	102	24Alp Ser	2.6000	4250.0	87	37625	No
120	GOM_NL__2PRFIN20090511_141733_000000432078_00497_37625_4216.N1	11-MAY-2009 14:17:33	Bright	43.000	67	5Alp CrB	2.2210	11000.	86	37625	No
121	GOM_NL__2PRFIN20090511_142831_000000392078_00497_37625_4217.N1	11-MAY-2009 14:28:31	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	37625	No
122	GOM_NL__2PRFIN20090511_143923_000000362078_00497_37625_4218.N1	11-MAY-2009 14:39:23	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	37625	No
123	GOM_NL__2PRFIN20090511_145234_000000342078_00497_37625_4219.N1	11-MAY-2009 14:52:34	Twilight	33.500	93	53Bet Peg	2.5200	3100.0	67	37625	No
124	GOM_NL__2PRFIN20090511_145700_000000352078_00497_37625_4220.N1	11-MAY-2009 14:57:00	Dark	35.000	90	54Alp Peg	2.4870	11000.	70	37625	No
125	GOM_NL__2PRFIN20090511_151137_000000542078_00497_37625_4221.N1	11-MAY-2009 15:11:37	Dark	54.000	142	49Del Cap	2.8500	8900.0	108	37625	No
126	GOM_NL__2PRFIN20090511_151515_000000412078_00497_37625_4222.N1	11-MAY-2009 15:15:15	Dark	40.500	172	Gam Gru	3.0030	13100.	81	37625	No
127	GOM_NL__2PRFIN20090511_153134_000000422078_00498_37626_4224.N1	11-MAY-2009 15:31:34	Straylight	42.000	40	The Sco	1.8590	7100.0	84	37626	No
128	GOM_NL__2PRFIN20090511_153326_000000452078_00498_37626_4225.N1	11-MAY-2009 15:33:26	Straylight	45.000	25	35Lam Sco	1.6200	28000.	90	37626	No
129	GOM_NL__2PRFIN20090511_153558_000000422078_00498_37626_4226.N1	11-MAY-2009 15:35:58	Straylight	41.500	75	26Eps Sco	2.2910	4250.0	83	37626	No
130	GOM_NL__2PRFIN20090511_153914_000000432078_00498_37626_4227.N1	11-MAY-2009 15:39:14	Twilight	42.500	16	21Alp Sco	1.0200	3000.0	85	37626	No
131	GOM_NL__2PRFIN20090511_154105_000000392078_00498_37626_4228.N1	11-MAY-2009 15:41:05	Bright	39.000	80	7Del Sco	2.3160	30000.	78	37626	No
132	GOM_NL__2PRFIN20090511_154550_000000362078_00498_37626_4229.N1	11-MAY-2009 15:45:50	Bright	36.000	104	27Bet Lib	2.6140	13100.	72	37626	No
133	GOM_NL__2PRFIN20090511_155131_000000442078_00498_37626_4230.N1	11-MAY-2009 15:51:31	Bright	44.000	102	24Alp Ser	2.6000	4250.0	88	37626	No
134	GOM_NL__2PRFIN20090511_155808_000000442078_00498_37626_4231.N1	11-MAY-2009 15:58:08	Bright	43.500	67	5Alp CrB	2.2210	11000.	87	37626	No
135	GOM_NL__2PRFIN20090511_160906_000000392078_00498_37626_4232.N1	11-MAY-2009 16:09:06	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	37626	No
136	GOM_NL__2PRFIN20090511_161959_000000362078_00498_37626_4233.N1	11-MAY-2009 16:19:59	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	37626	No
137	GOM_NL__2PRFIN20090511_163310_000000342078_00498_37626_4234.N1	11-MAY-2009 16:33:10	Twilight	33.500	93	53Bet Peg	2.5200	3100.0	67	37626	No
138	GOM_NL__2PRFIN20090511_163736_000000352078_00498_37626_4235.N1	11-MAY-2009 16:37:36	Dark	35.000	90	54Alp Peg	2.4870	11000.	70	37626	No
139	GOM_NL__2PRFIN20090511_165214_000000542078_00498_37626_4236.N1	11-MAY-2009 16:52:14	Dark	54.000	142	49Del Cap	2.8500	8900.0	108	37626	No
140	GOM_NL__2PRFIN20090511_165551_000000422078_00498_37626_4237.N1	11-MAY-2009 16:55:51	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37626	No
141	GOM_NL__2PRFIN20090511_171211_000000422078_00499_37627_4238.N1	11-MAY-2009 17:12:11	Straylight	42.000	40	The Sco	1.8590	7100.0	84	37627	No
142	GOM_NL__2PRFIN20090511_171403_000000442078_00499_37627_4239.N1	11-MAY-2009 17:14:03	Straylight	44.000	25	35Lam Sco	1.6200	28000.	88	37627	No
143	GOM_NL__2PRFIN20090511_171635_000000422078_00499_37627_4240.N1	11-MAY-2009 17:16:35	Straylight	41.500	75	26Eps Sco	2.2910	4250.0	83	37627	No
144	GOM_NL__2PRFIN20090511_171950_000000432078_00499_37627_4241.N1	11-MAY-2009 17:19:50	Twilight	42.500	16	21Alp Sco	1.0200	3000.0	85	37627	No
145	GOM_NL__2PRFIN20090511_172141_000000402078_00499_37627_4242.N1	11-MAY-2009 17:21:41	Bright	39.500	80	7Del Sco	2.3160	30000.	79	37627	No
146	GOM_NL__2PRFIN20090511_172626_000000372078_00499_37627_4243.N1	11-MAY-2009 17:26:26	Bright	36.500	104	27Bet Lib	2.6140	13100.	73	37627	No
147	GOM_NL__2PRFIN20090511_173207_000000442078_00499_37627_4244.N1	11-MAY-2009 17:32:07	Bright	43.500	102	24Alp Ser	2.6000	4250.0	87	37627	No
148	GOM_NL__2PRFIN20090511_173843_000000442078_00499_37627_4245.N1	11-MAY-2009 17:38:43	Bright	43.500	67	5Alp CrB	2.2210	11000.	87	37627	No
149	GOM_NL__2PRFIN20090511_174942_000000382078_00499_37627_4246.N1	11-MAY-2009 17:49:42	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	37627	No
150	GOM_NL__2PRFIN20090511_180034_000000362078_00499_37627_4247.N1	11-MAY-2009 18:00:34	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	37627	No
151	GOM_NL__2PRFIN20090511_181347_000000342078_00499_37627_4248.N1	11-MAY-2009 18:13:47	Twilight	33.500	93	53Bet Peg	2.5200	3100.0	67	37627	No
152	GOM_NL__2PRFIN20090511_181813_000000352078_00499_37627_4249.N1	11-MAY-2009 18:18:13	Dark	35.000	90	54Alp Peg	2.4870	11000.	70	37627	No
153	GOM_NL__2PRFIN20090511_183252_000000542078_00499_37627_4250.N1	11-MAY-2009 18:32:52	Dark	54.000	142	49Del Cap	2.8500	8900.0	108	37627	No
154	GOM_NL__2PRFIN20090511_183628_000000412078_00499_37627_4251.N1	11-MAY-2009 18:36:28	Dark	41.000	172	Gam Gru	3.0030	13100.	82	37627	No
155	GOM_NL__2PRFIN20090511_185248_000000422078_00500_37628_4255.N1	11-MAY-2009 18:52:48	Straylight	41.500	40	The Sco	1.8590	7100.0	83	37628	No
156	GOM_NL__2PRFIN20090511_185439_000000452078_00500_37628_4256.N1	11-MAY-2009 18:54:39	Straylight	44.500	25	35Lam Sco	1.6200	28000.	89	37628	No
157	GOM_NL__2PRFIN20090511_185712_000000422078_00500_37628_4257.N1	11-MAY-2009 18:57:12	Straylight	41.500	75	26Eps Sco	2.2910	4250.0	83	37628	No
158	GOM_NL__2PRFIN20090511_190027_000000432078_00500_37628_4258.N1	11-MAY-2009 19:00:27	Twilight	42.500	16	21Alp Sco	1.0200	3000.0	85	37628	No
159	GOM_NL__2PRFIN20090511_190217_000000402078_00500_37628_4259.N1	11-MAY-2009 19:02:17	Bright	39.500	80	7Del Sco	2.3160	30000.	79	37628	No
160	GOM_NL__2PRFIN20090511_190701_000000372078_00500_37628_4260.N1	11-MAY-2009 19:07:01	Bright	37.000	104	27Bet Lib	2.6140	13100.	74	37628	No

161	GOM_NL__2PRFIN20090511_191243_000000452078_00500_37628_4261.N1	11-MAY-2009 19:12:43	Bright	44.500	102	24Alp Ser	2.6000	4250.0	89	37628	No
162	GOM_NL__2PRFIN20090511_191919_000000522078_00500_37628_4262.N1	11-MAY-2009 19:19:19	Bright	52.000	67	5Alp CrB	2.2210	11000.	104	37628	No
163	GOM_NL__2PRFIN20090511_193017_000000392078_00500_37628_4263.N1	11-MAY-2009 19:30:17	Bright	39.000	119	14Eta Dra	2.7270	4700.0	78	37628	No
164	GOM_NL__2PRFIN20090511_194110_000000362078_00500_37628_4264.N1	11-MAY-2009 19:41:10	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	37628	No
165	GOM_NL__2PRFIN20090511_195423_000000342078_00500_37628_4265.N1	11-MAY-2009 19:54:23	Tw_i_and_stray	34.000	93	53Bet Peg	2.5200	3100.0	68	37628	No
166	GOM_NL__2PRFIN20090511_195849_000000362078_00500_37628_4266.N1	11-MAY-2009 19:58:49	Dark	35.500	90	54Alp Peg	2.4870	11000.	71	37628	No
167	GOM_NL__2PRFIN20090511_201329_000000522078_00500_37628_4267.N1	11-MAY-2009 20:13:29	Dark	52.000	142	49Del Cap	2.8500	8900.0	104	37628	No
168	GOM_NL__2PRFIN20090511_201705_000000422078_00500_37628_4268.N1	11-MAY-2009 20:17:05	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37628	No
169	GOM_NL__2PRFIN20090511_203324_000000422078_00501_37629_4271.N1	11-MAY-2009 20:33:24	Straylight	42.000	40	The Sco	1.8590	7100.0	84	37629	No
170	GOM_NL__2PRFIN20090511_203516_000000452078_00501_37629_4272.N1	11-MAY-2009 20:35:16	Straylight	45.000	25	35Lam Sco	1.6200	28000.	90	37629	No
171	GOM_NL__2PRFIN20090511_203748_000000412078_00501_37629_4273.N1	11-MAY-2009 20:37:48	Straylight	41.000	75	26Eps Sco	2.2910	4250.0	82	37629	No
172	GOM_NL__2PRFIN20090511_204103_000000432078_00501_37629_4274.N1	11-MAY-2009 20:41:03	Tw_i_and_stray	42.500	16	21Alp Sco	1.0200	3000.0	85	37629	No
173	GOM_NL__2PRFIN20090511_204254_000000402078_00501_37629_4275.N1	11-MAY-2009 20:42:54	Bright	39.500	80	7Del Sco	2.3160	30000.	79	37629	No
174	GOM_NL__2PRFIN20090511_204738_000000372078_00501_37629_4276.N1	11-MAY-2009 20:47:38	Bright	36.500	104	27Bet Lib	2.6140	13100.	73	37629	No
175	GOM_NL__2PRFIN20090511_205318_000000442078_00501_37629_4277.N1	11-MAY-2009 20:53:18	Bright	44.000	102	24Alp Ser	2.6000	4250.0	88	37629	No
176	GOM_NL__2PRFIN20090511_205954_000000462078_00501_37629_4278.N1	11-MAY-2009 20:59:54	Bright	45.500	67	5Alp CrB	2.2210	11000.	91	37629	No
177	GOM_NL__2PRFIN20090511_211053_000000392078_00501_37629_4279.N1	11-MAY-2009 21:10:53	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	37629	No
178	GOM_NL__2PRFIN20090511_212146_000000362078_00501_37629_4280.N1	11-MAY-2009 21:21:46	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	37629	No
179	GOM_NL__2PRFIN20090511_213459_000000342078_00501_37629_4281.N1	11-MAY-2009 21:34:59	Tw_i_and_stray	34.000	93	53Bet Peg	2.5200	3100.0	68	37629	No
180	GOM_NL__2PRFIN20090511_213925_000000362078_00501_37629_4282.N1	11-MAY-2009 21:39:25	Dark	35.500	90	54Alp Peg	2.4870	11000.	71	37629	No
181	GOM_NL__2PRFIN20090511_215742_000000412078_00501_37629_4283.N1	11-MAY-2009 21:57:42	Dark	41.000	172	Gam Gru	3.0030	13100.	82	37629	No
182	GOM_NL__2PRFIN20090511_221401_000000422079_00001_37630_4291.N1	11-MAY-2009 22:14:01	Straylight	42.000	40	The Sco	1.8590	7100.0	84	37630	No
183	GOM_NL__2PRFIN20090511_221552_000000452079_00001_37630_4292.N1	11-MAY-2009 22:15:52	Straylight	45.000	25	35Lam Sco	1.6200	28000.	90	37630	No
184	GOM_NL__2PRFIN20090511_221824_000000422079_00001_37630_4293.N1	11-MAY-2009 22:18:24	Straylight	41.500	75	26Eps Sco	2.2910	4250.0	83	37630	No
185	GOM_NL__2PRFIN20090511_222139_000000432079_00001_37630_4294.N1	11-MAY-2009 22:21:39	Tw_i_and_stray	42.500	16	21Alp Sco	1.0200	3000.0	85	37630	No
186	GOM_NL__2PRFIN20090511_222330_000000392079_00001_37630_4295.N1	11-MAY-2009 22:23:30	Bright	39.000	80	7Del Sco	2.3160	30000.	78	37630	No
187	GOM_NL__2PRFIN20090511_222814_000000372079_00001_37630_4296.N1	11-MAY-2009 22:28:14	Bright	36.500	104	27Bet Lib	2.6140	13100.	73	37630	No
188	GOM_NL__2PRFIN20090511_223354_000000442079_00001_37630_4297.N1	11-MAY-2009 22:33:54	Bright	44.000	102	24Alp Ser	2.6000	4250.0	88	37630	No
189	GOM_NL__2PRFIN20090511_224029_000000462079_00001_37630_4298.N1	11-MAY-2009 22:40:29	Bright	45.500	67	5Alp CrB	2.2210	11000.	91	37630	No
190	GOM_NL__2PRFIN20090511_225128_000000392079_00001_37630_4299.N1	11-MAY-2009 22:51:28	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	37630	No
191	GOM_NL__2PRFIN20090511_230221_000000362079_00001_37630_4300.N1	11-MAY-2009 23:02:21	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	37630	No
192	GOM_NL__2PRFIN20090511_231535_000000342079_00001_37630_4301.N1	11-MAY-2009 23:15:35	Tw_i_and_stray	34.000	93	53Bet Peg	2.5200	3100.0	68	37630	No
193	GOM_NL__2PRFIN20090511_232002_000000362079_00001_37630_4302.N1	11-MAY-2009 23:20:02	Dark	35.500	90	54Alp Peg	2.4870	11000.	71	37630	No
194	GOM_NL__2PRFIN20090511_233819_000000422079_00001_37630_4303.N1	11-MAY-2009 23:38:19	Dark	41.500	172	Gam Gru	3.0030	13100.	83	37630	No
195	GOM_NL__2PRFIN20090511_235438_000000422079_00002_37631_4308.N1	11-MAY-2009 23:54:38	Straylight	41.500	40	The Sco	1.8590	7100.0	83	37631	No
196	GOM_NL__2PRFIN20090511_235629_000000452079_00002_37631_4309.N1	11-MAY-2009 23:56:29	Straylight	44.500	25	35Lam Sco	1.6200	28000.	89	37631	No
197	GOM_NL__2PRFIN20090511_235901_000000422079_00002_37631_4310.N1	11-MAY-2009 23:59:01	Straylight	41.500	75	26Eps Sco	2.2910	4250.0	83	37631	No

3. Quality information per product

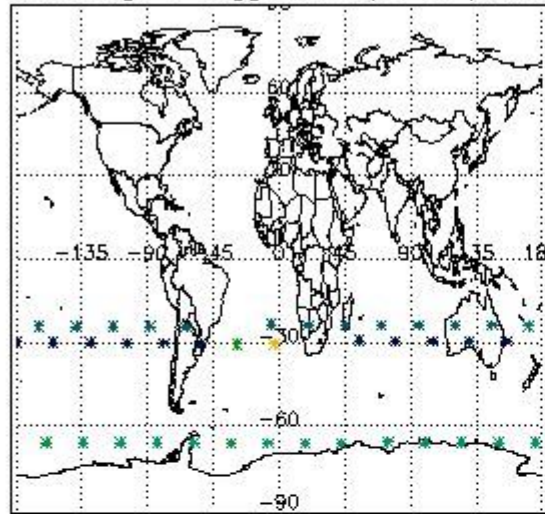
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

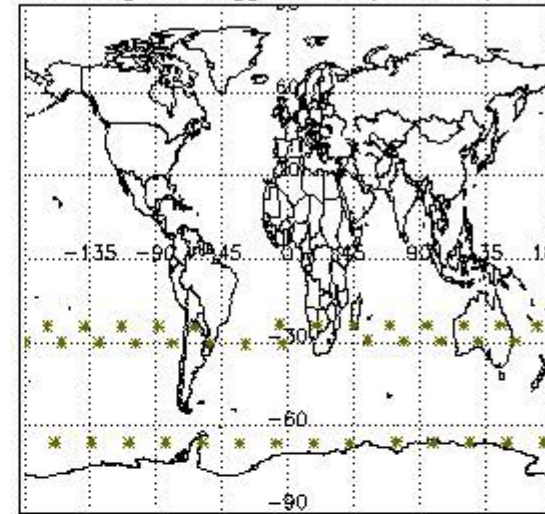


3.2 Plot quality information per product (world map)

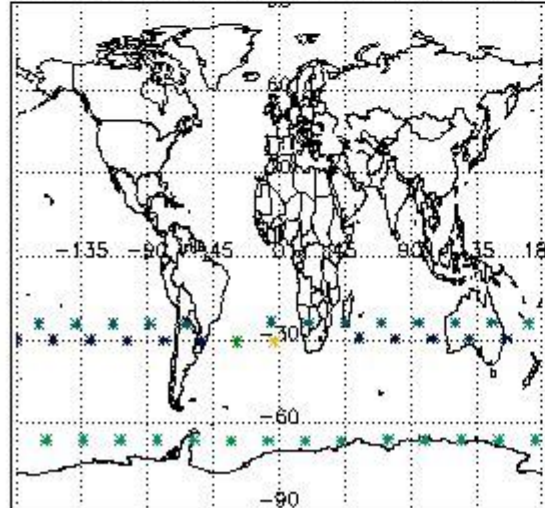
Percentage of flagged data per O3 profile



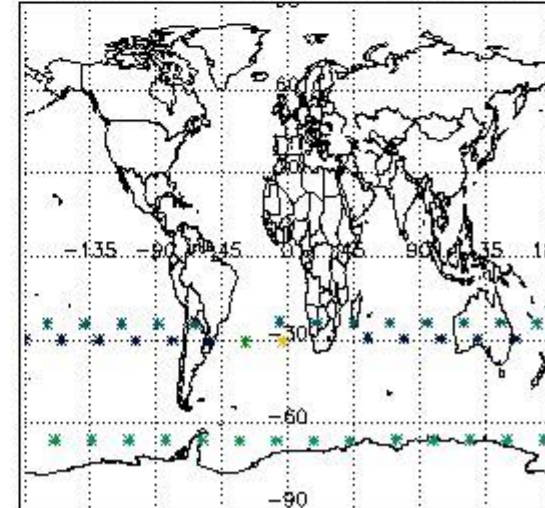
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

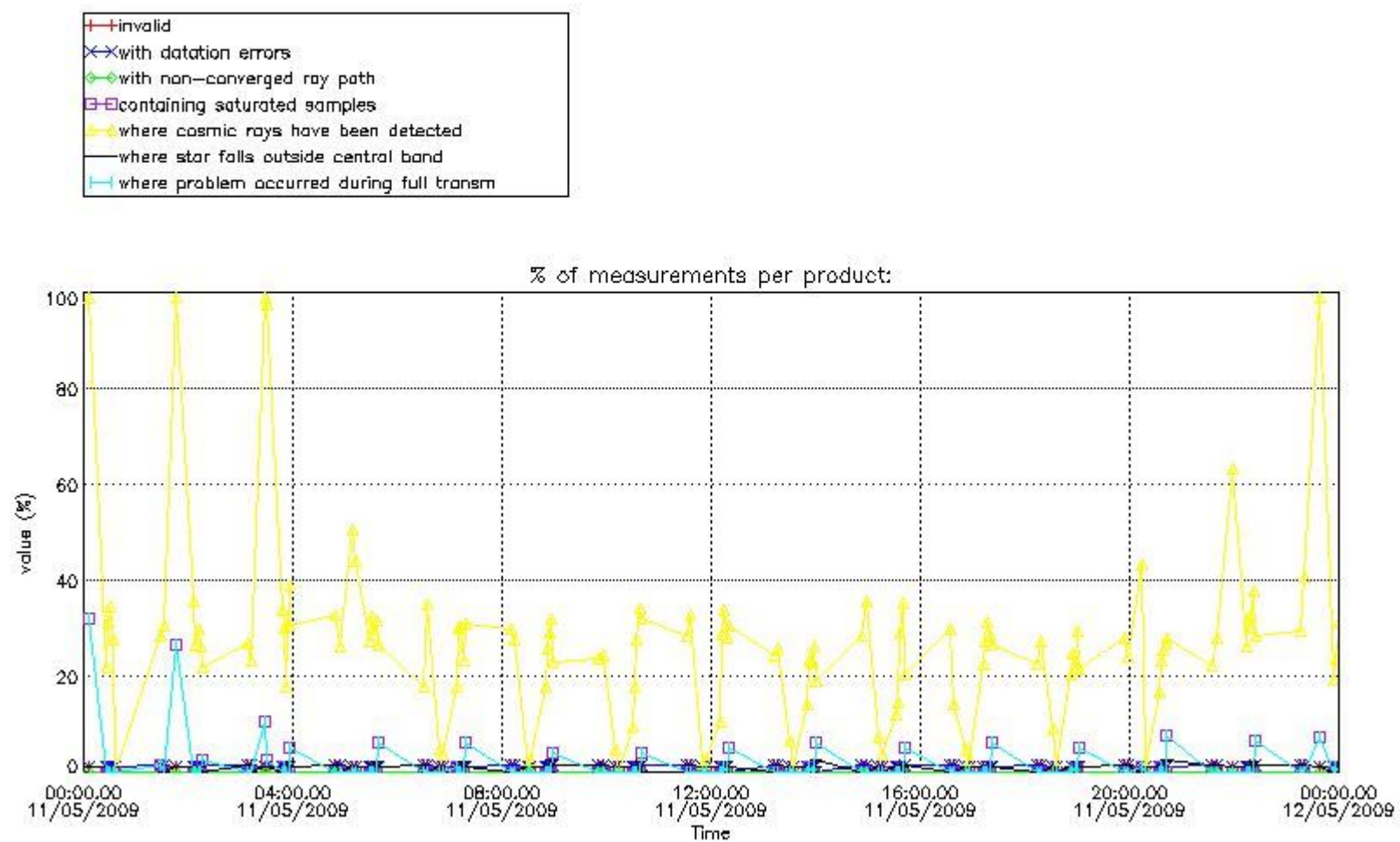


4. Level 1 quality information per product

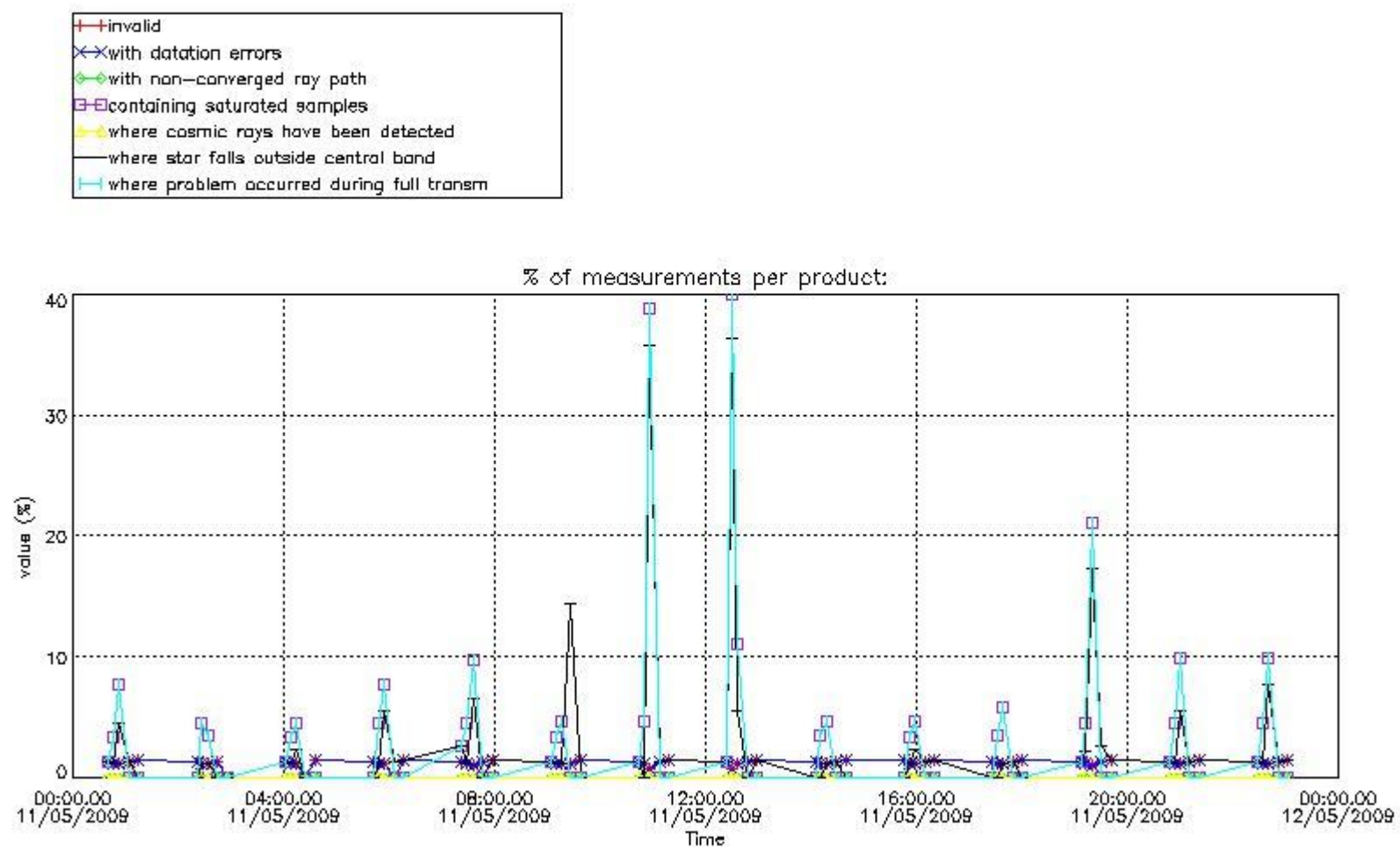
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



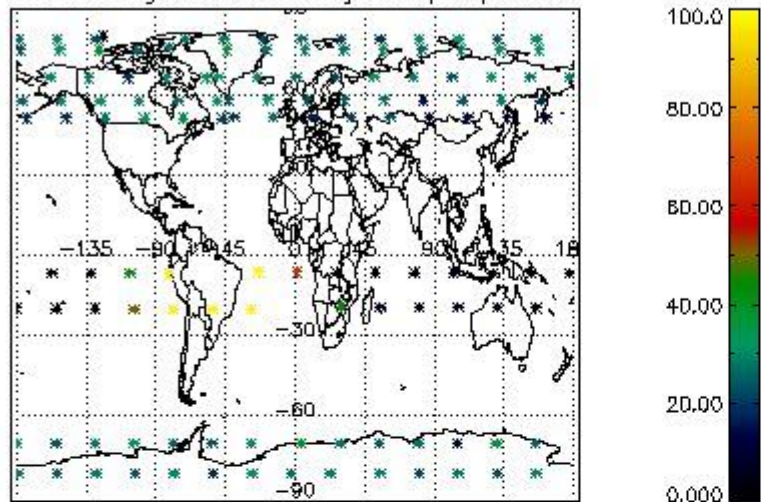
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



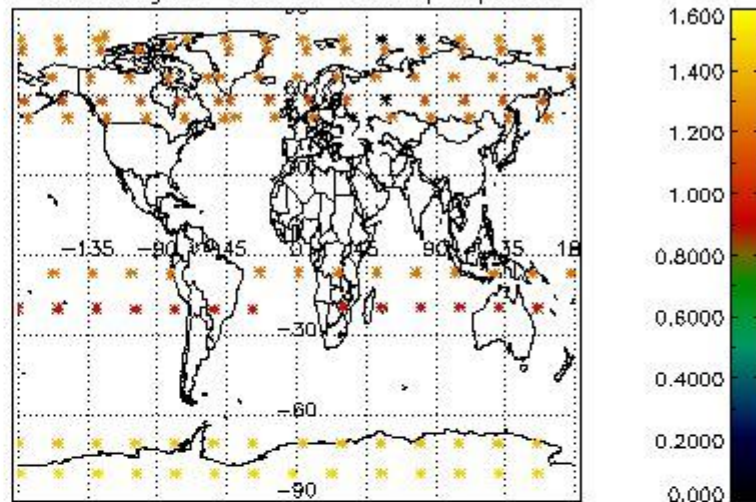
4.2 Plot quality information per product coming from level 1b processing (world map)

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

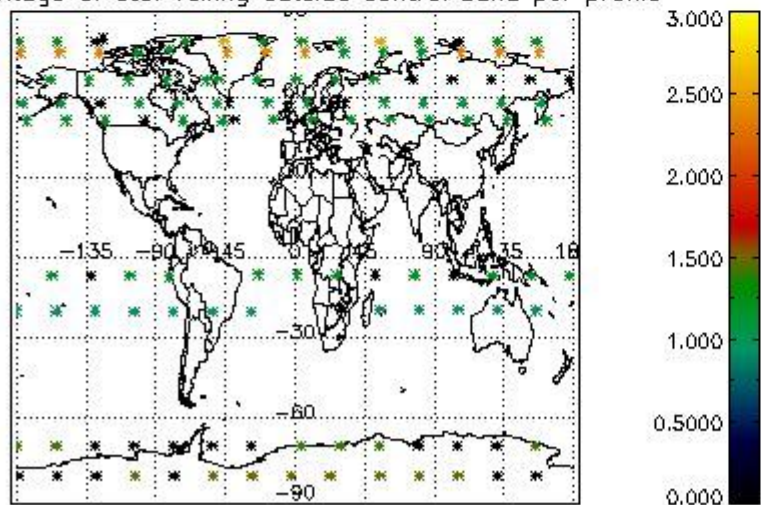
Percentage of cosmic ray hits per profile



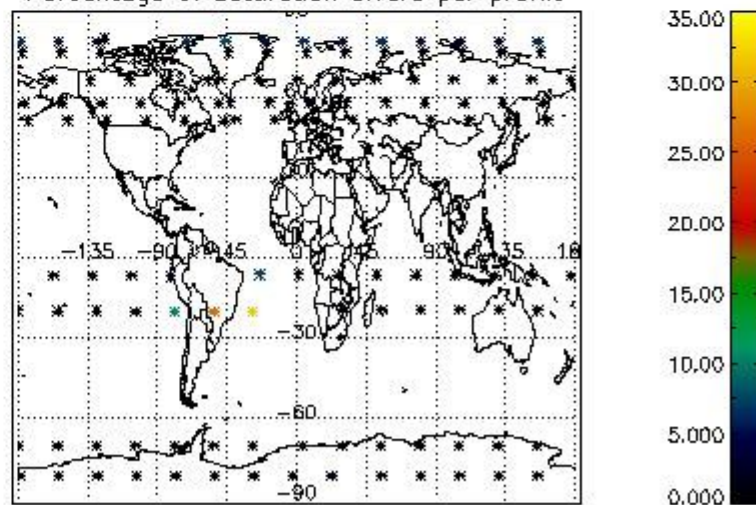
Percentage of datation errors per profile



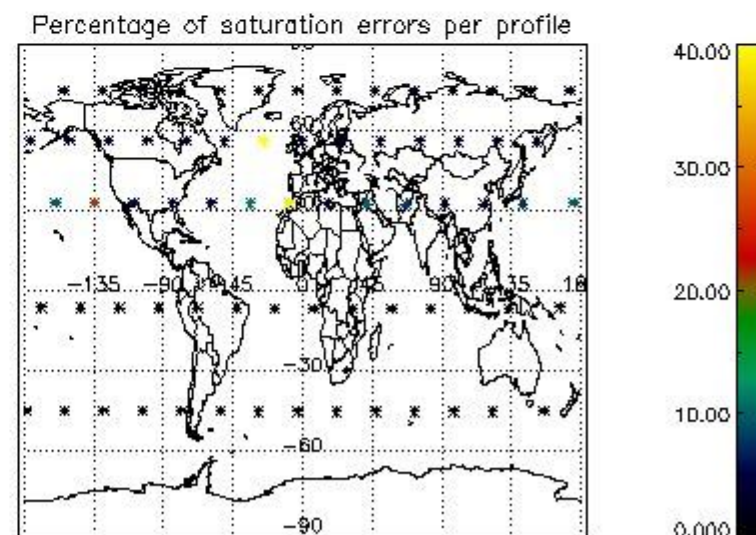
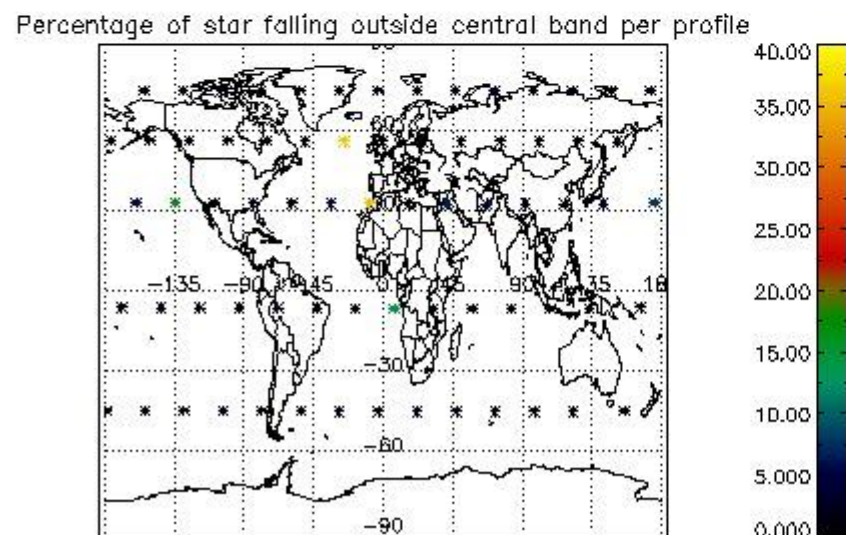
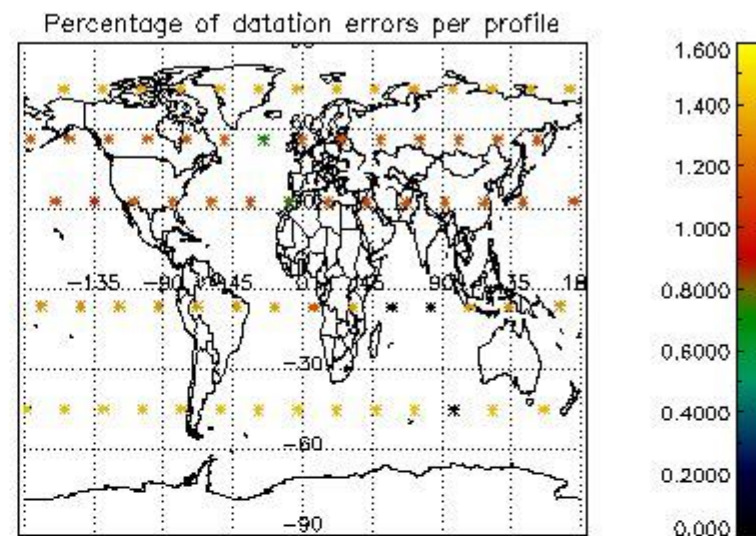
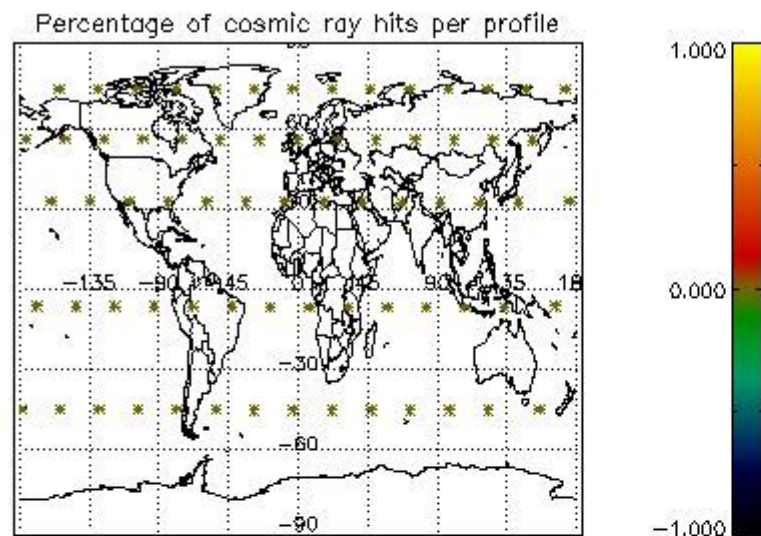
Percentage of star falling outside central band per profile



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

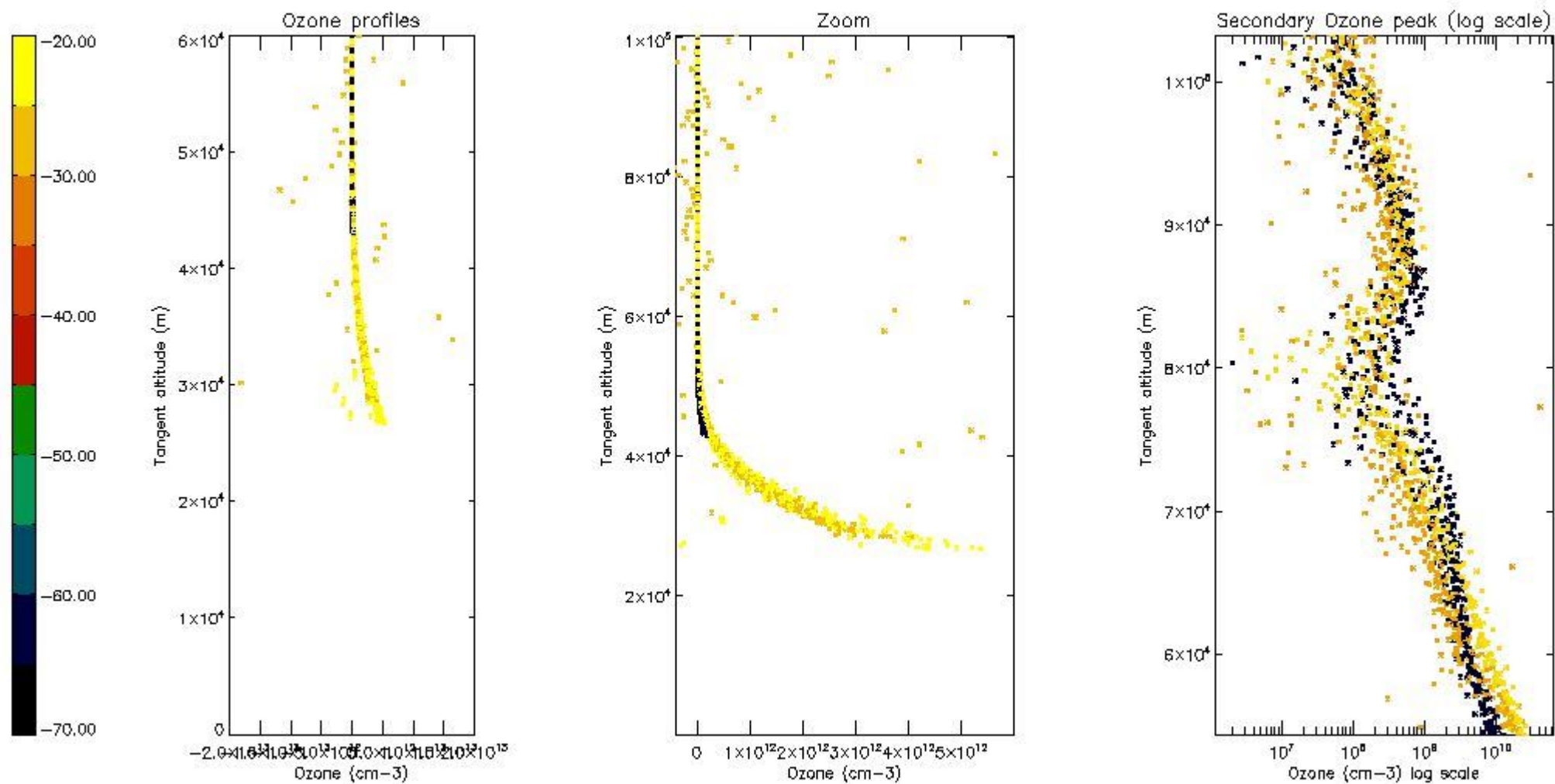
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	21
STD < 20	9

STD < 10	7
STD < 5	1

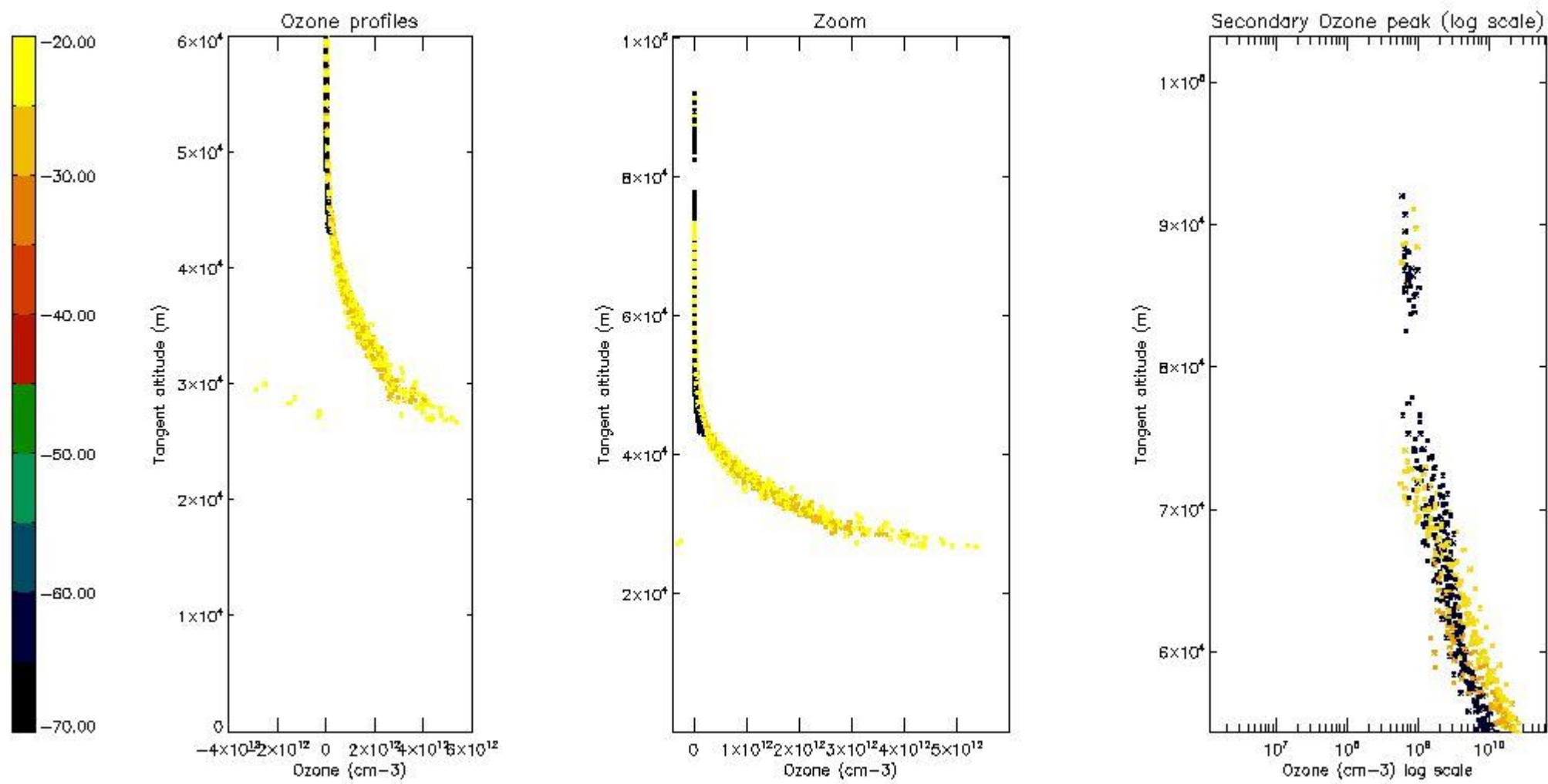
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



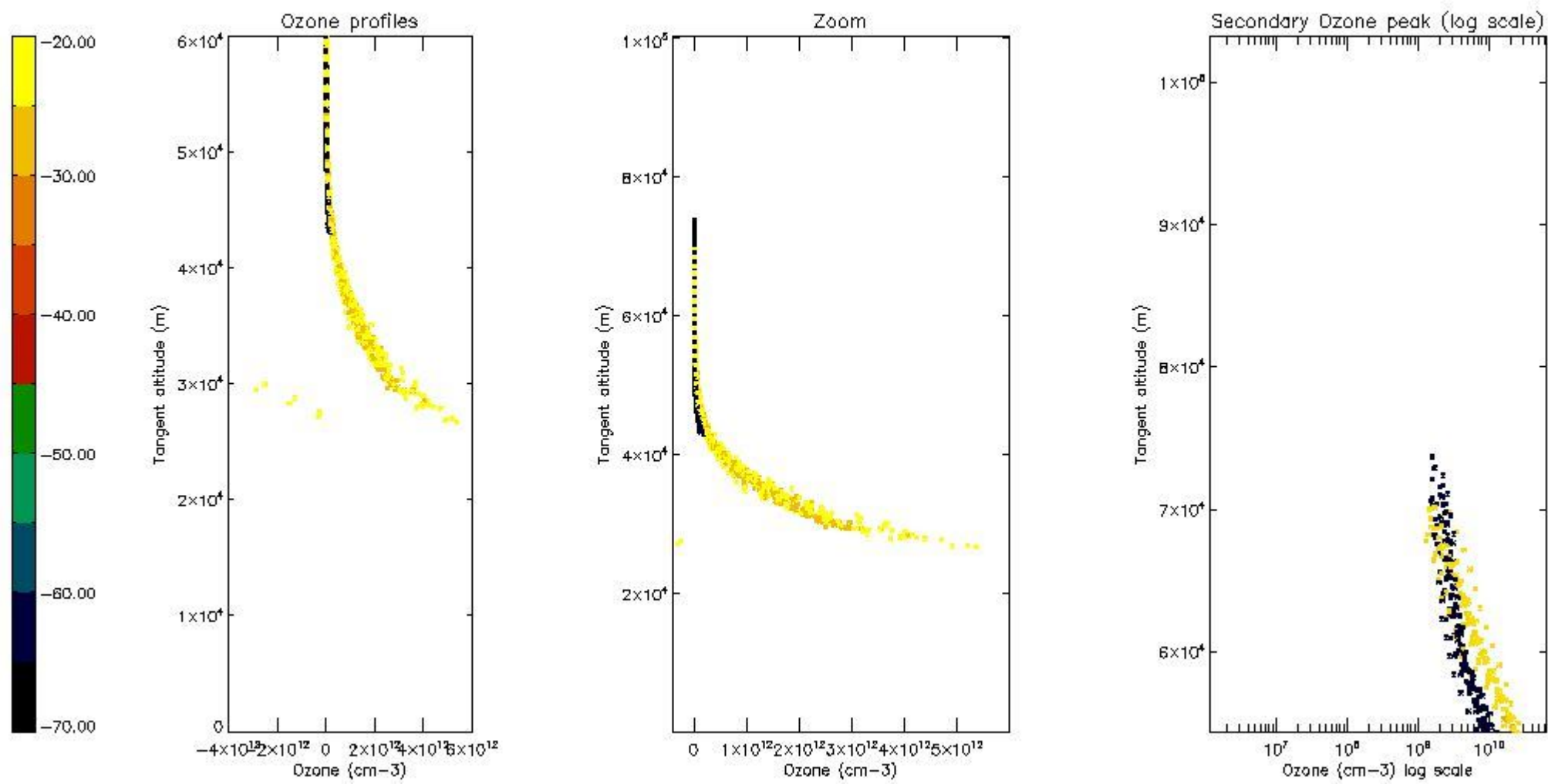
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



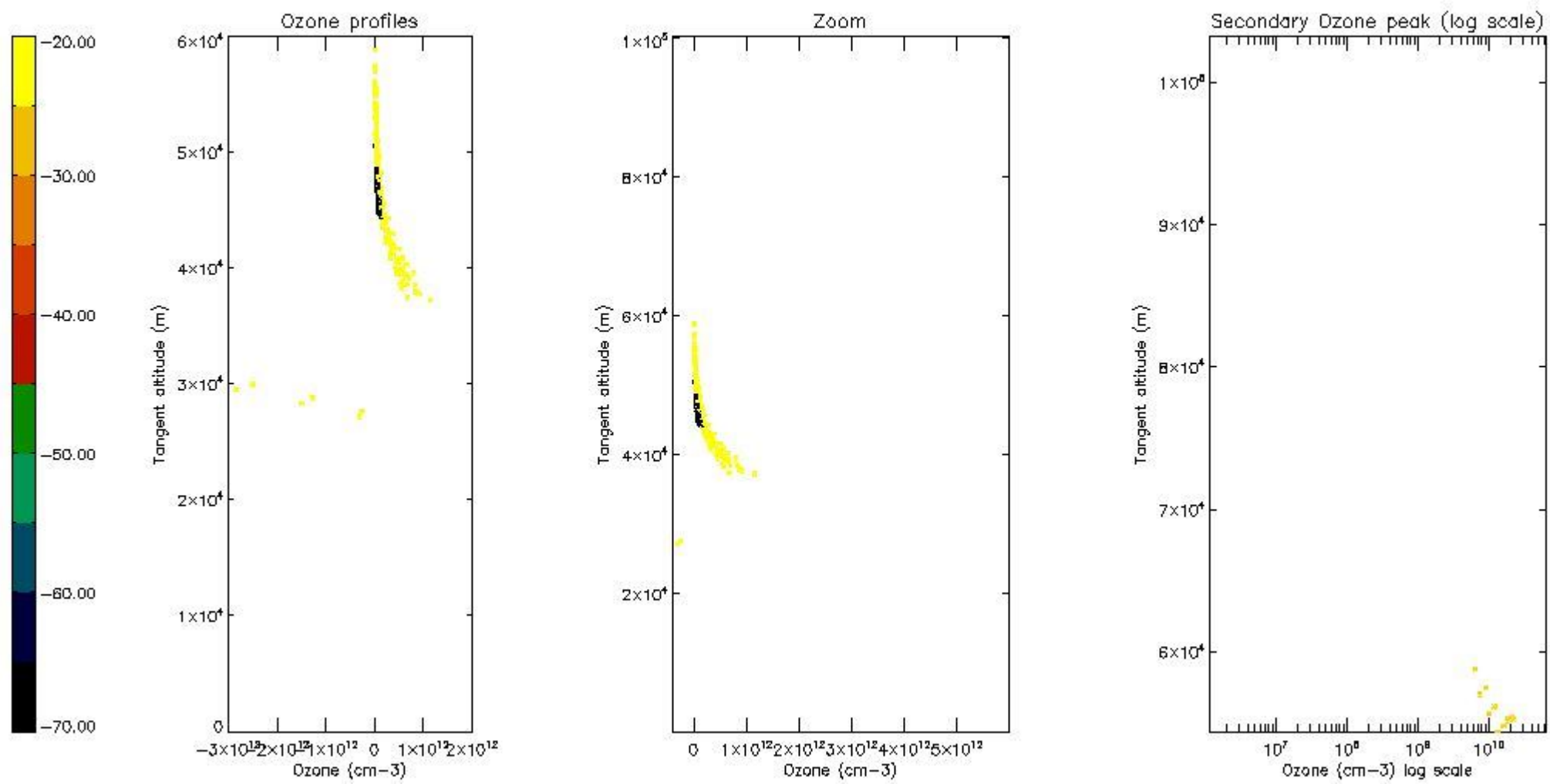
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



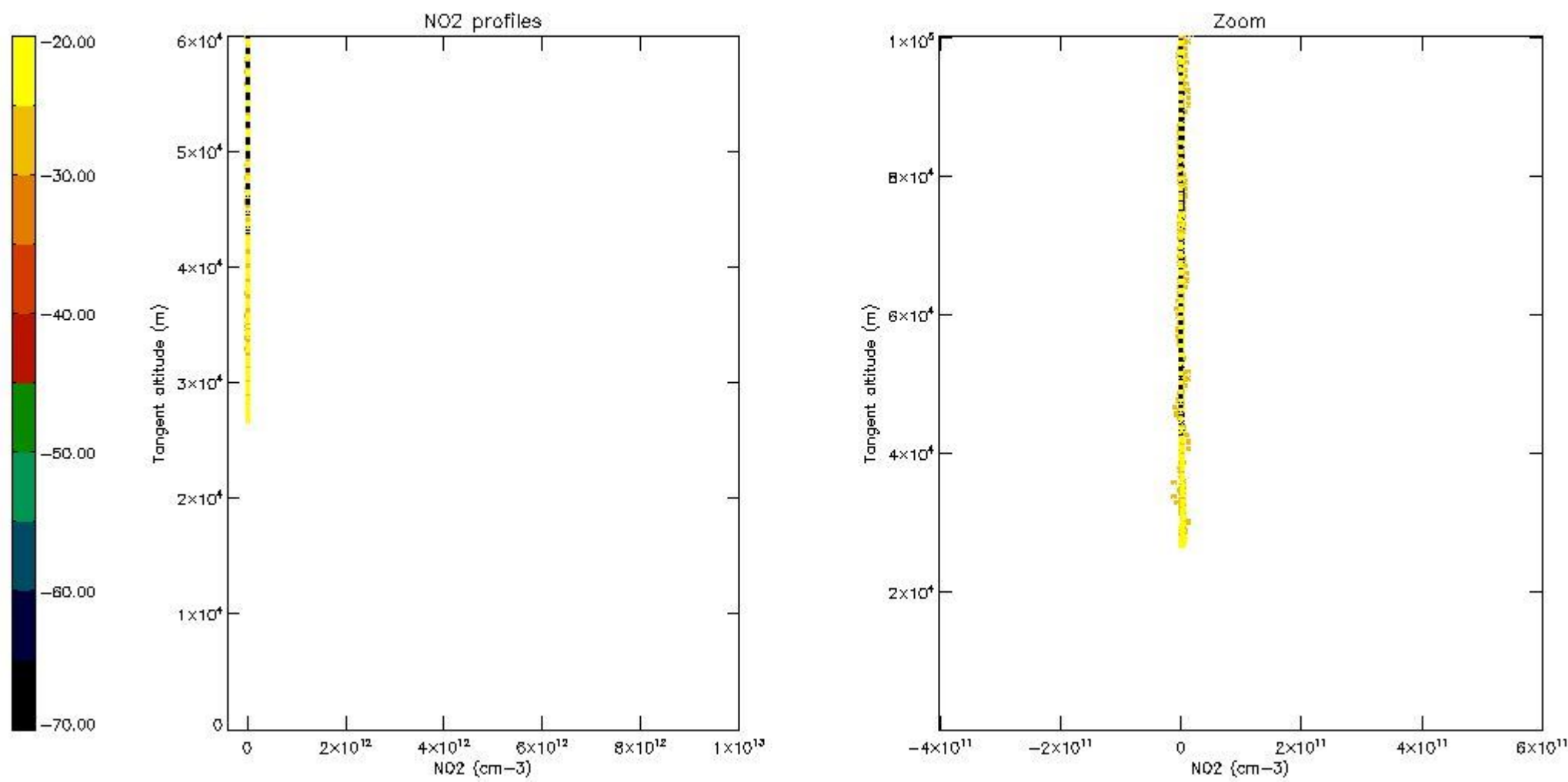
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



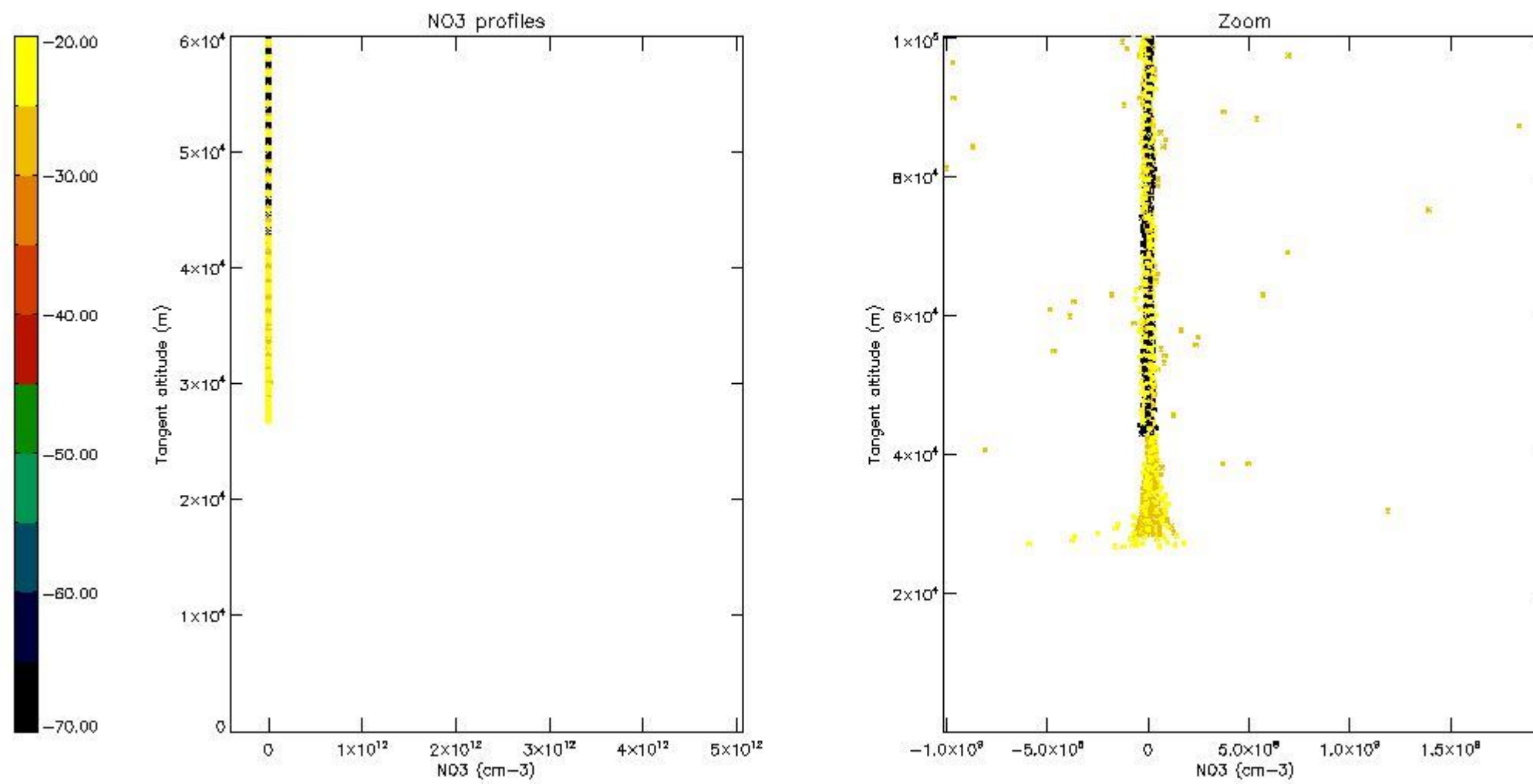
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

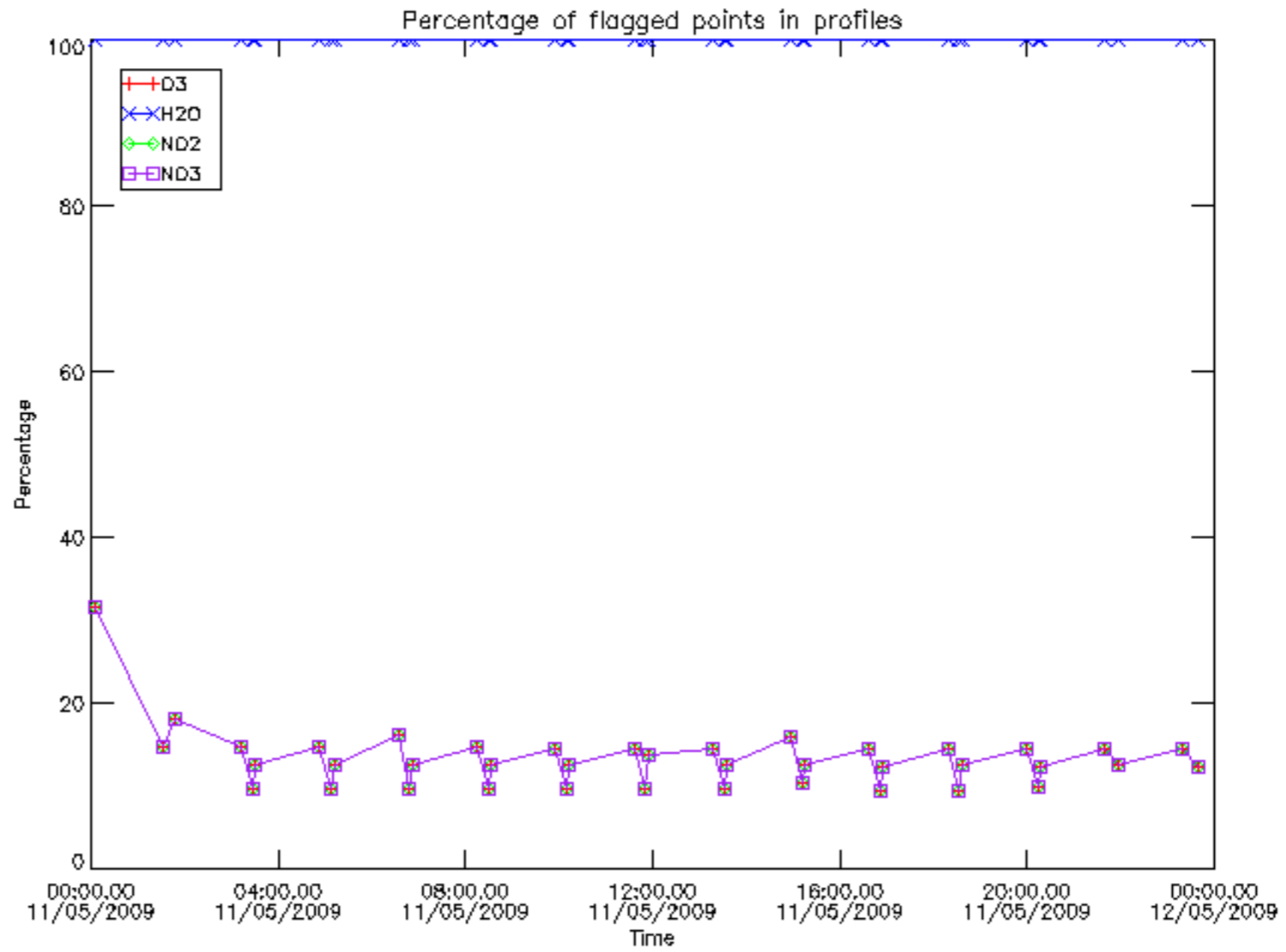
The colorbar represents the latitude.



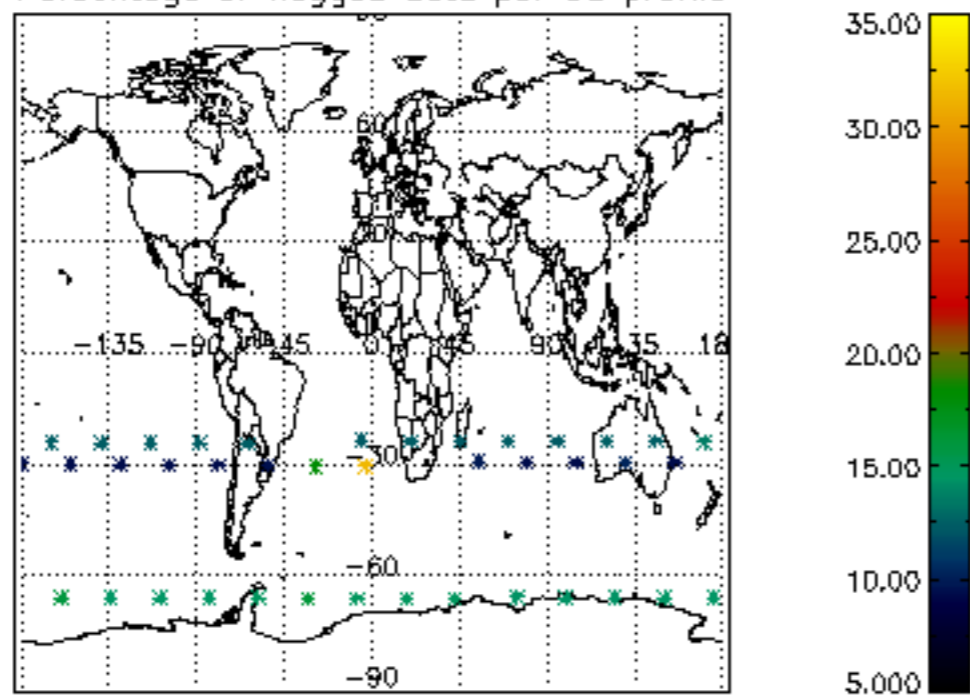
6. Auxiliary Data Files used for the production reported in section 2

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.

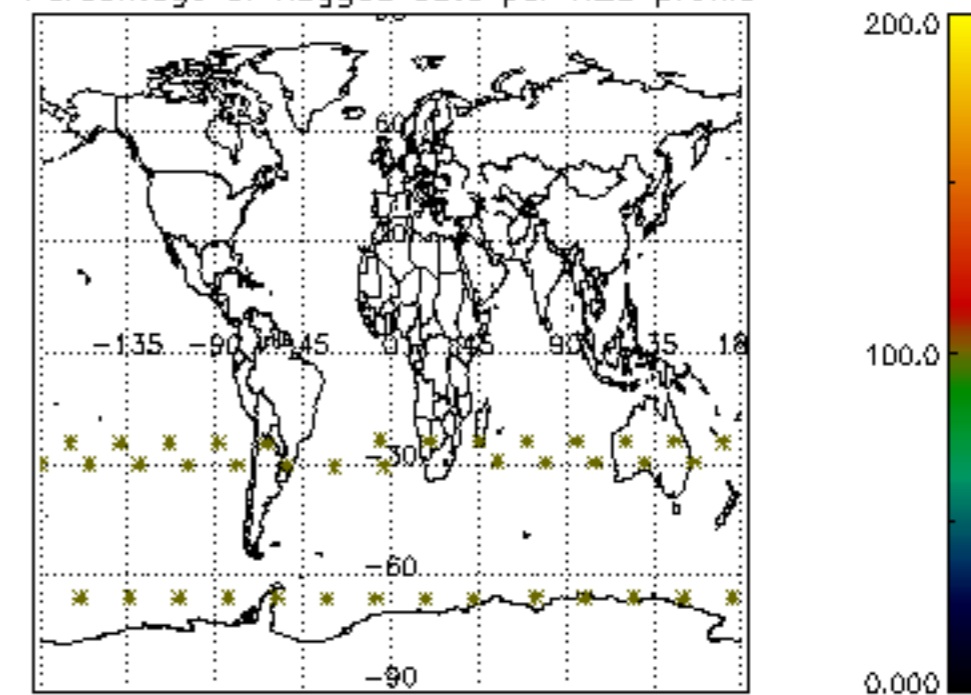
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	11-MAY-2009 00:06:00
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	11-MAY-2009 00:06:00
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	11-MAY-2009 00:06:00



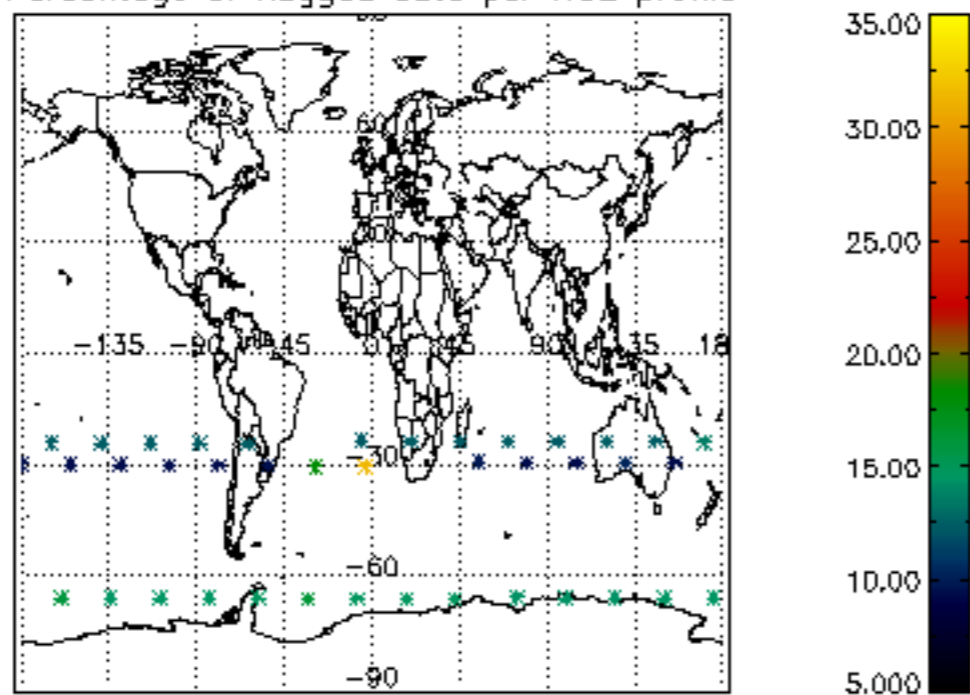
Percentage of flagged data per D3 profile



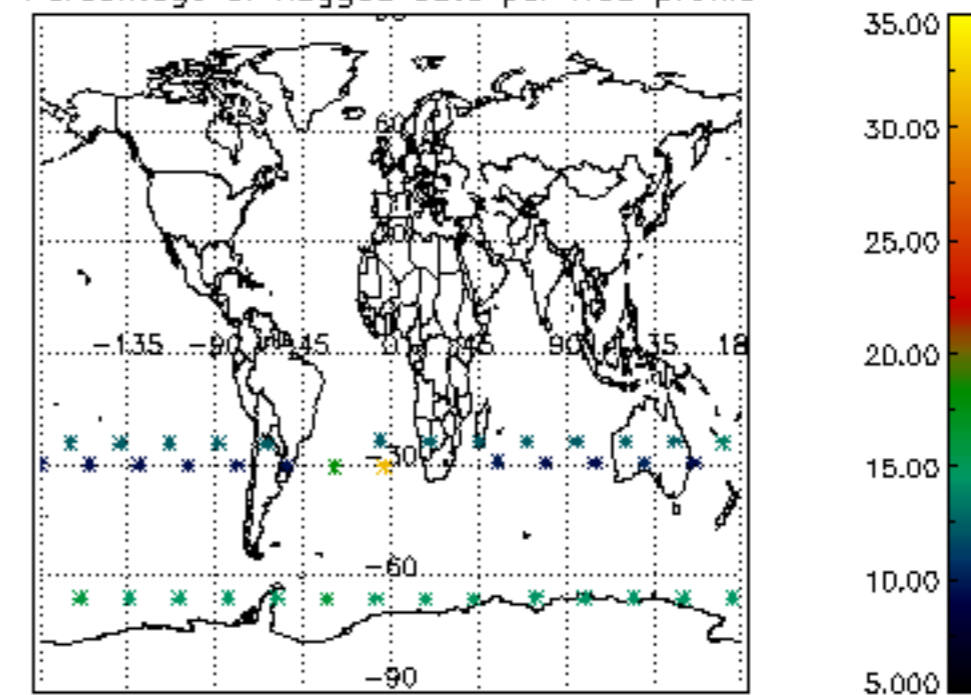
Percentage of flagged data per H2O profile

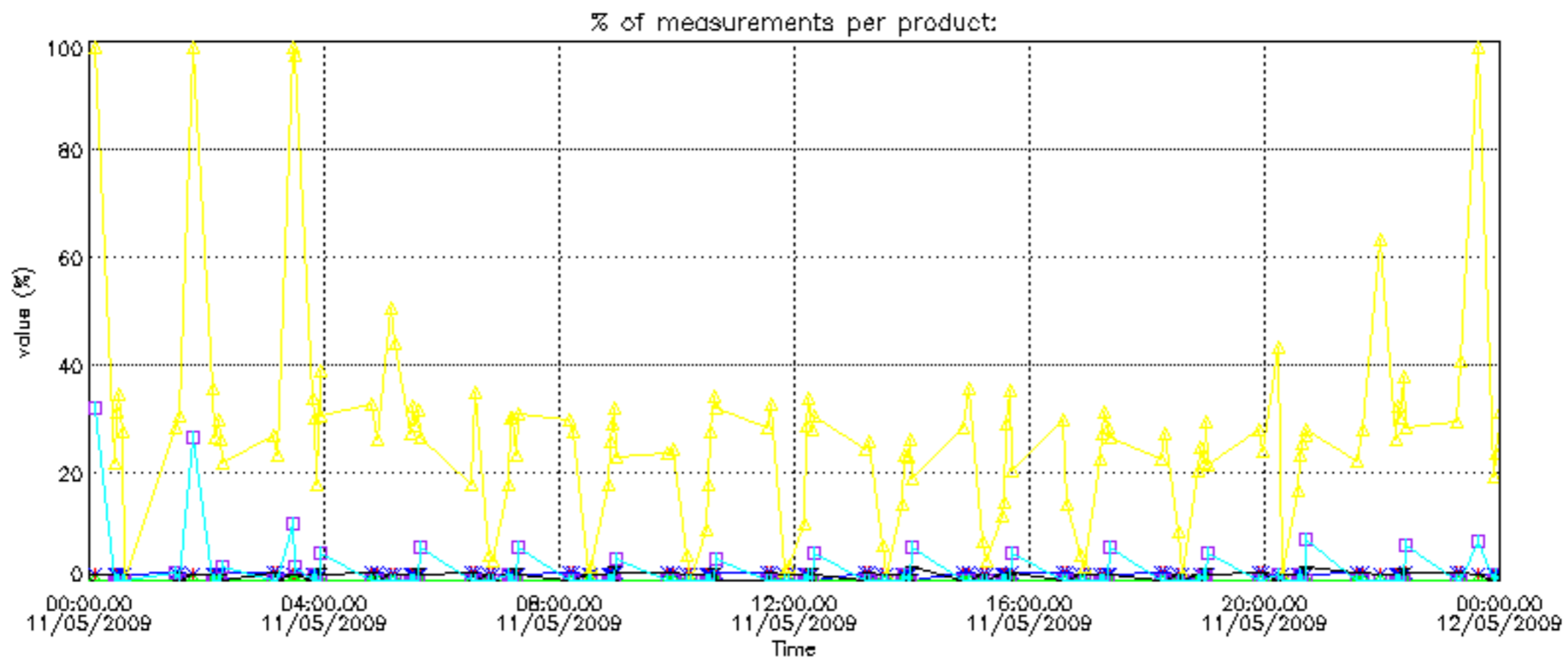


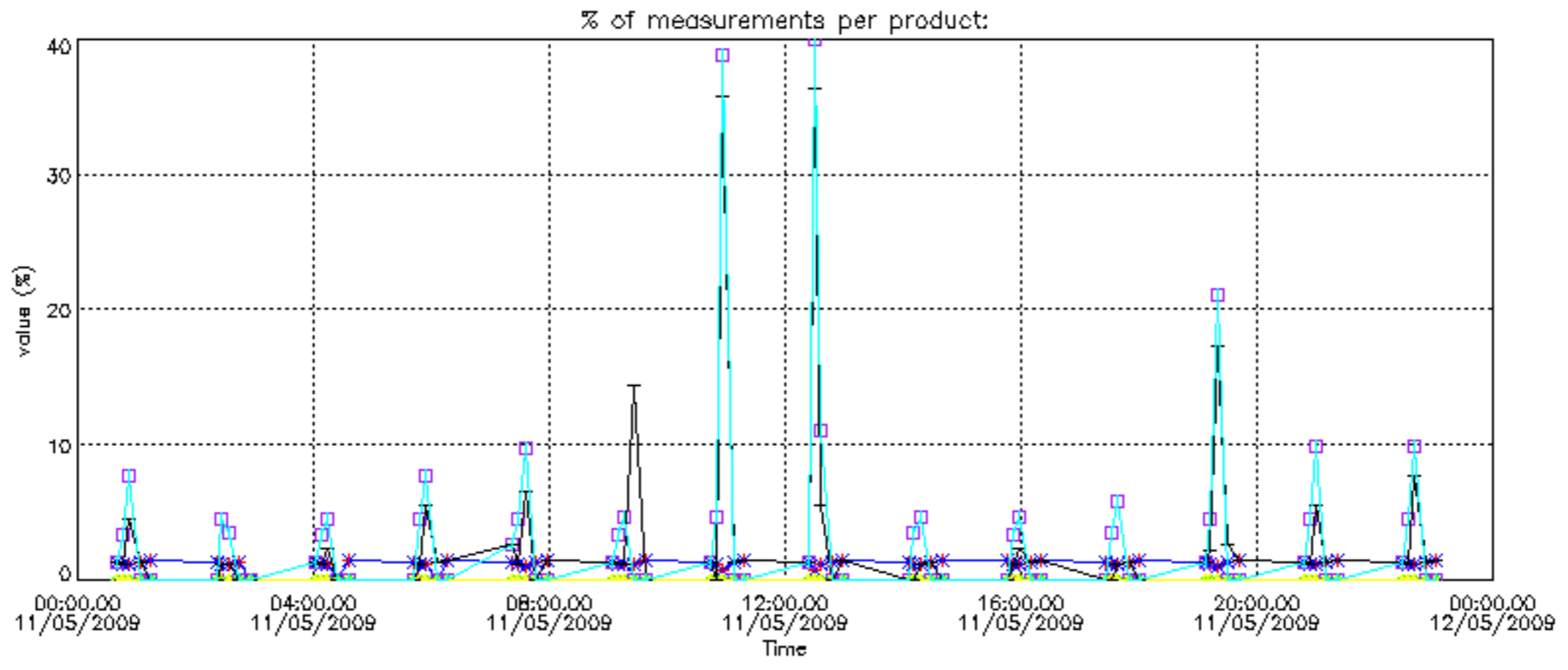
Percentage of flagged data per NO2 profile



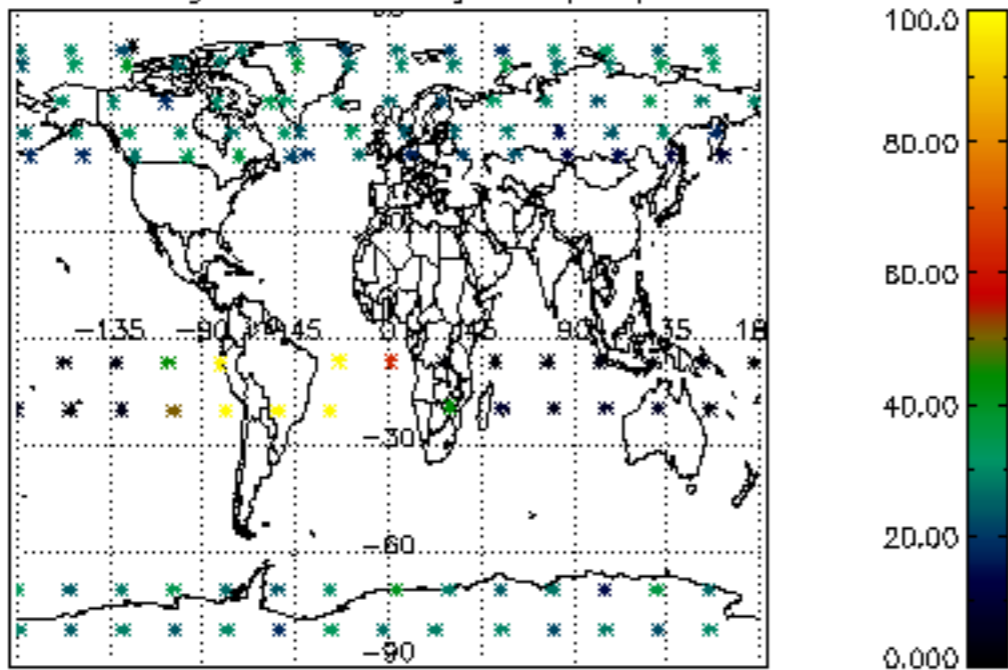
Percentage of flagged data per NO3 profile



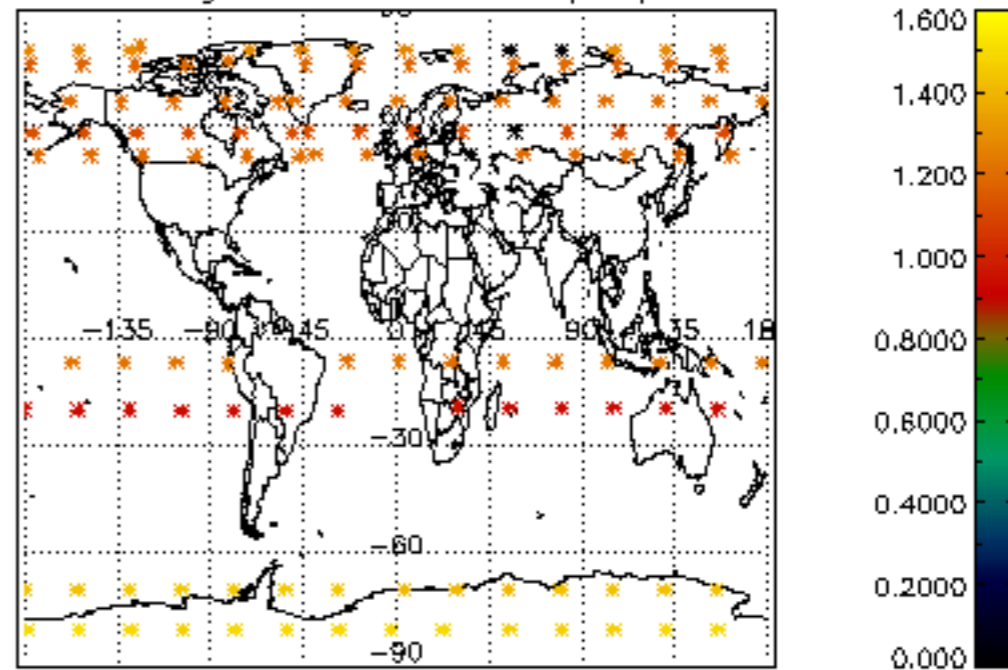




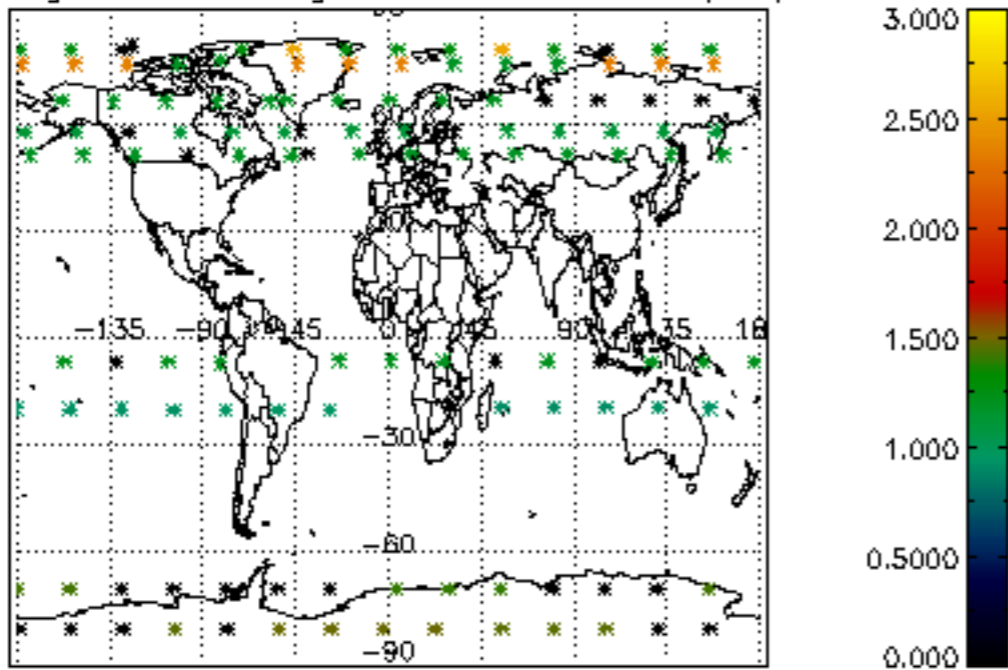
Percentage of cosmic ray hits per profile



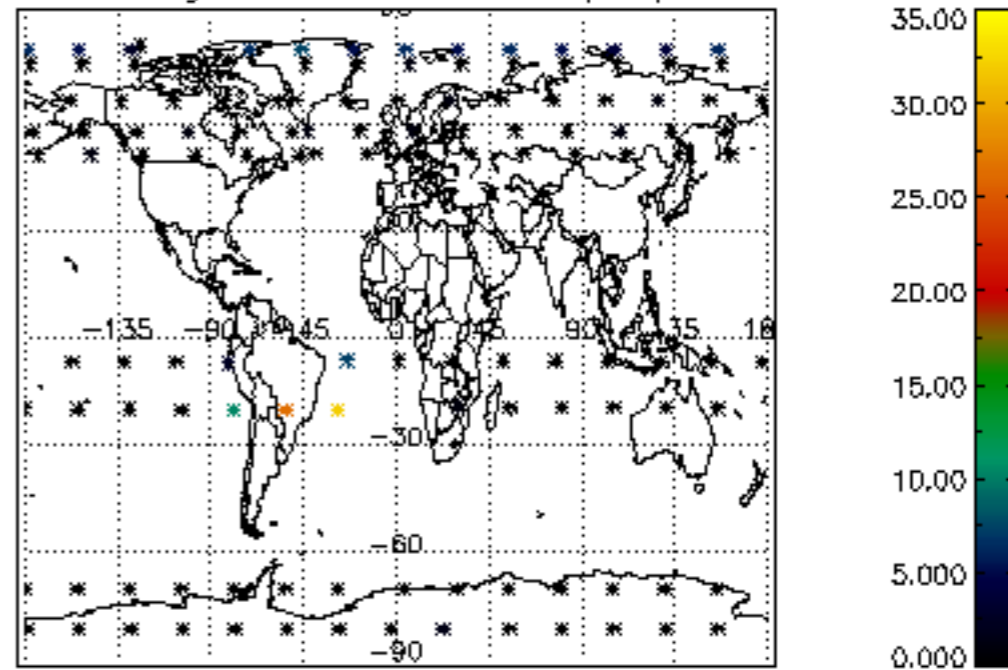
Percentage of datation errors per profile



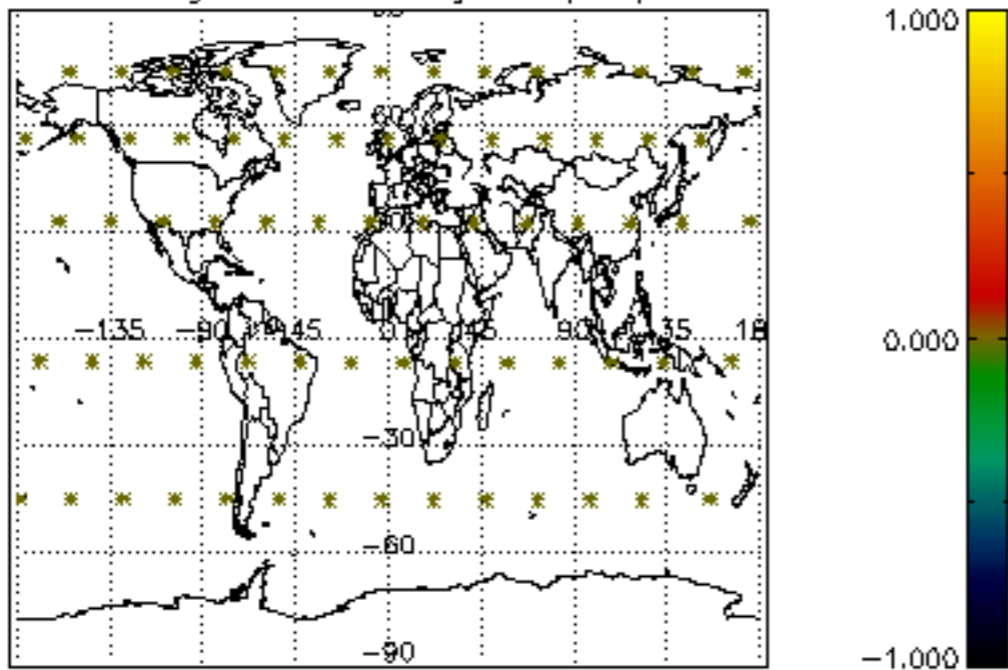
Percentage of star falling outside central band per profile



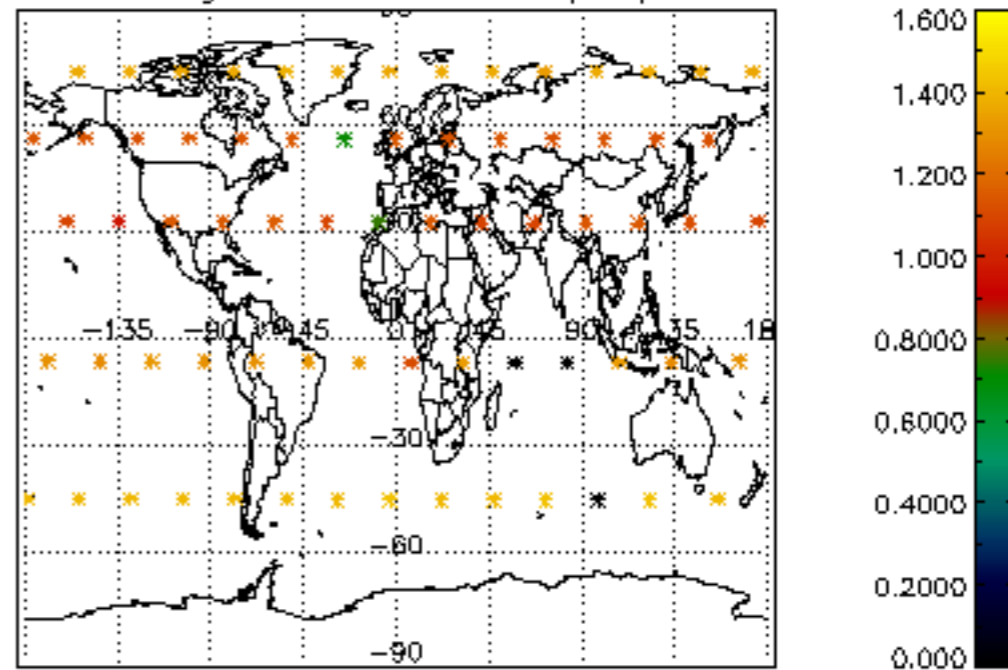
Percentage of saturation errors per profile



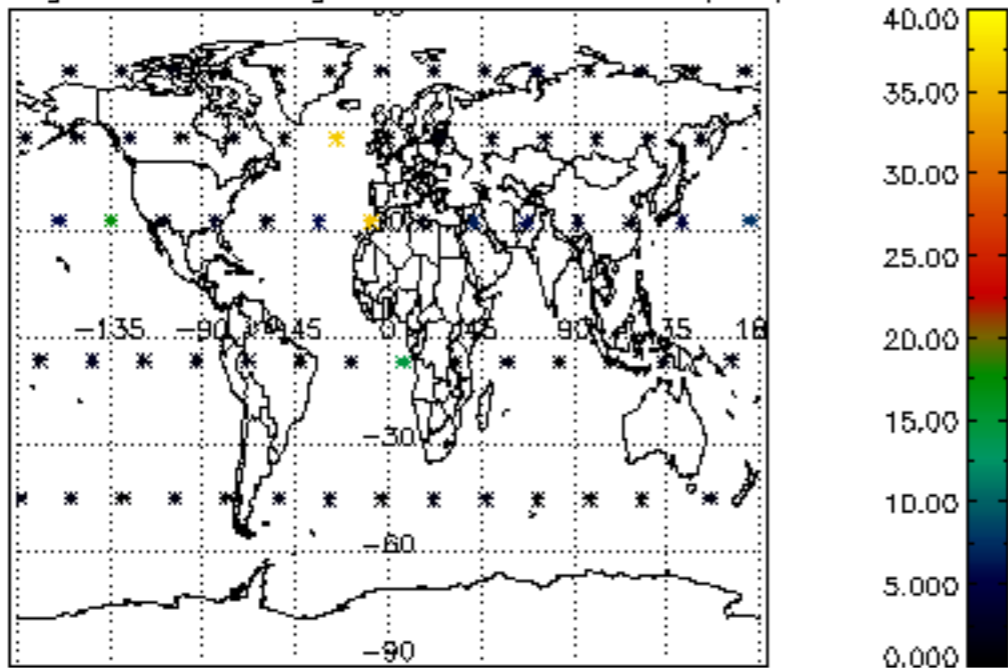
Percentage of cosmic ray hits per profile



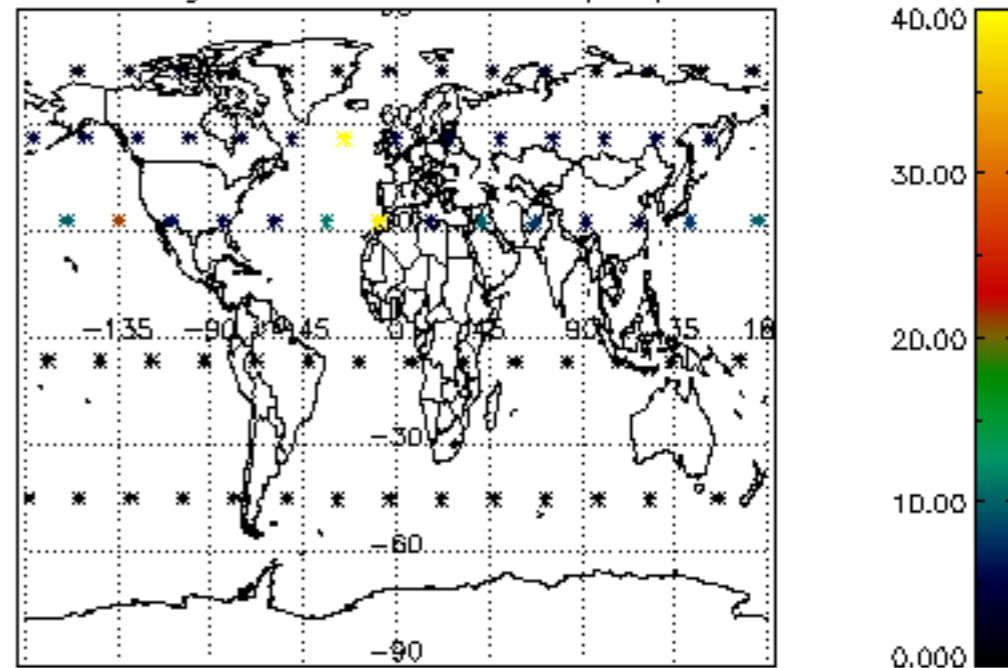
Percentage of datation errors per profile

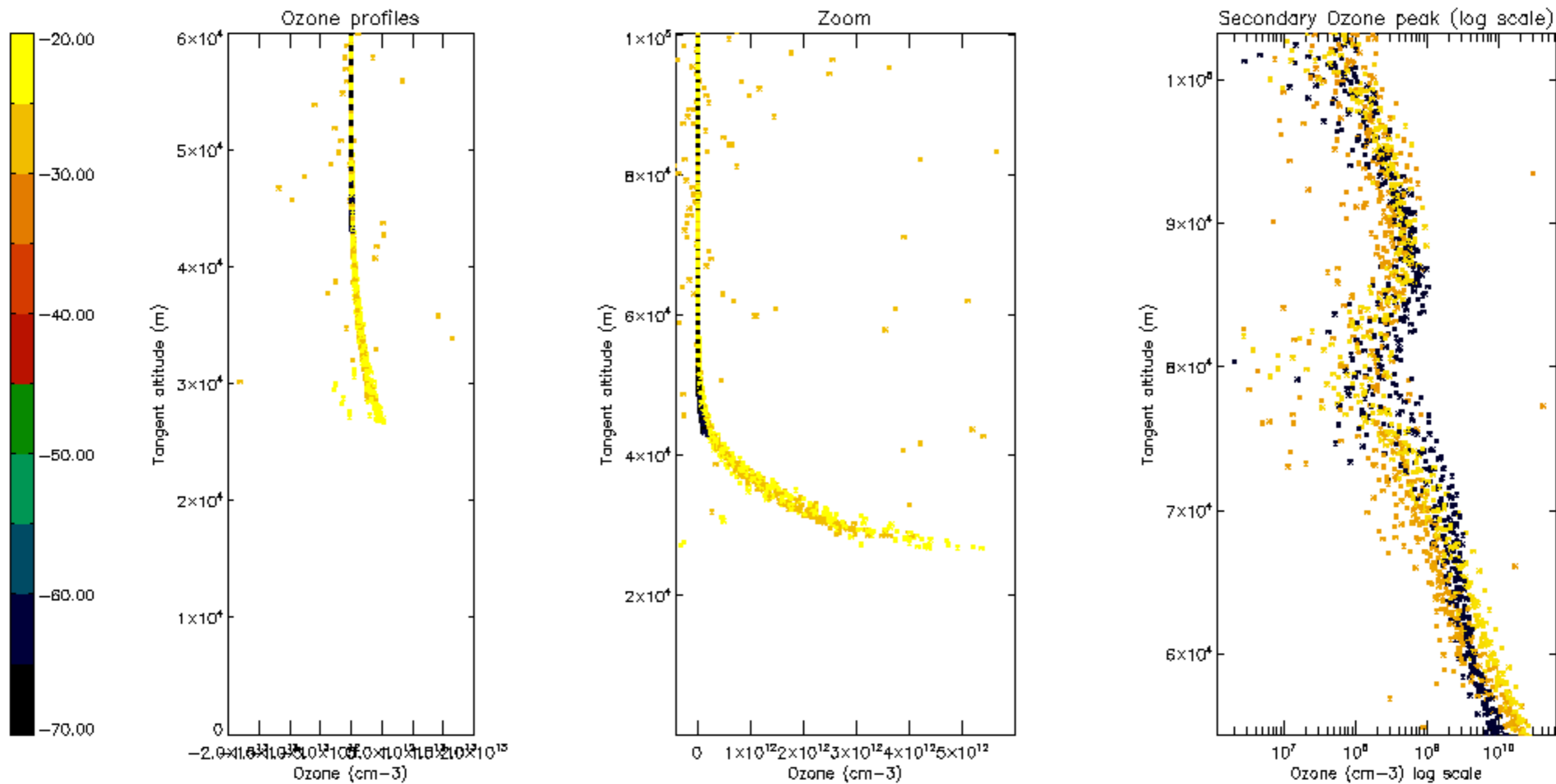


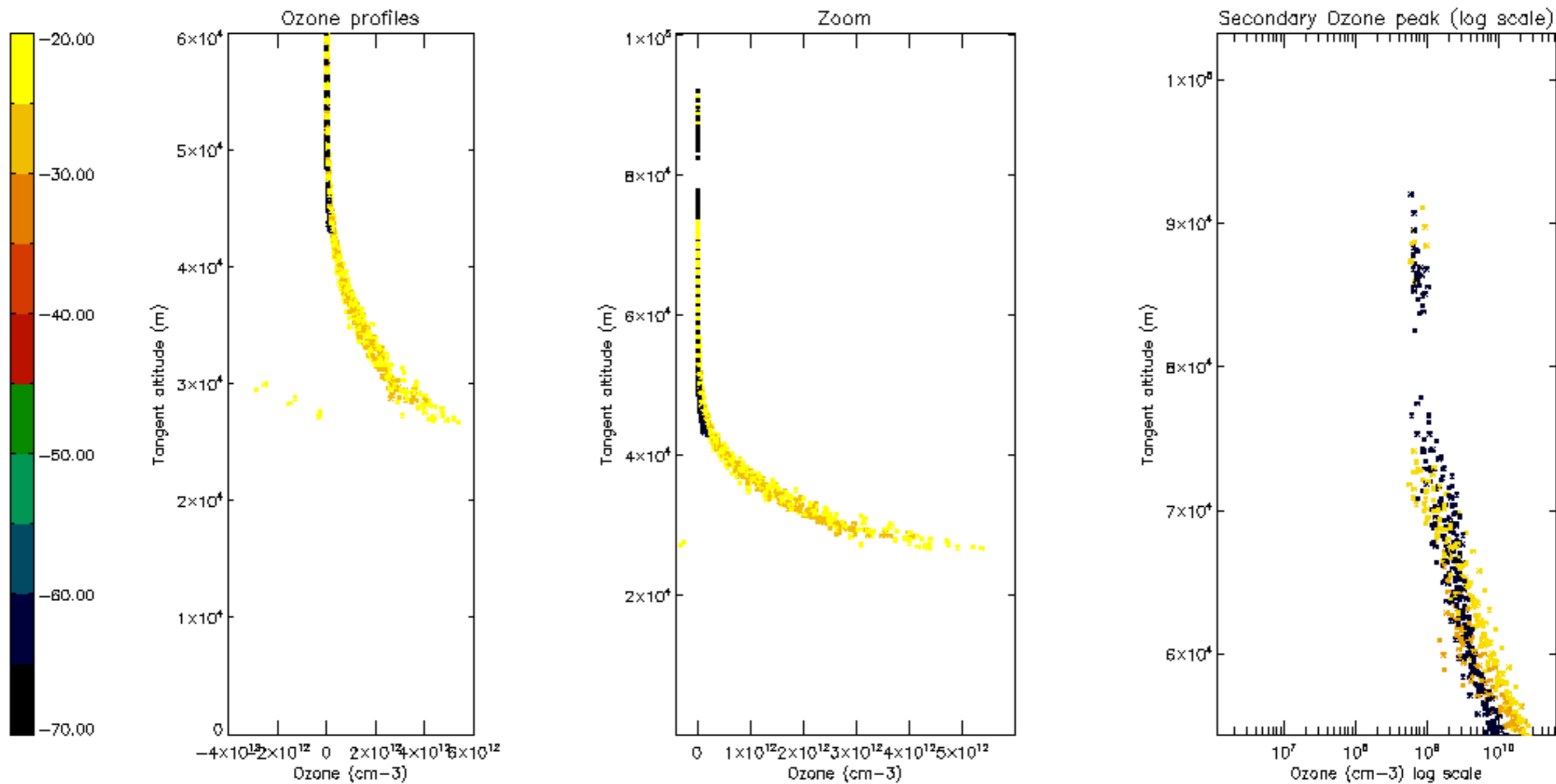
Percentage of star falling outside central band per profile

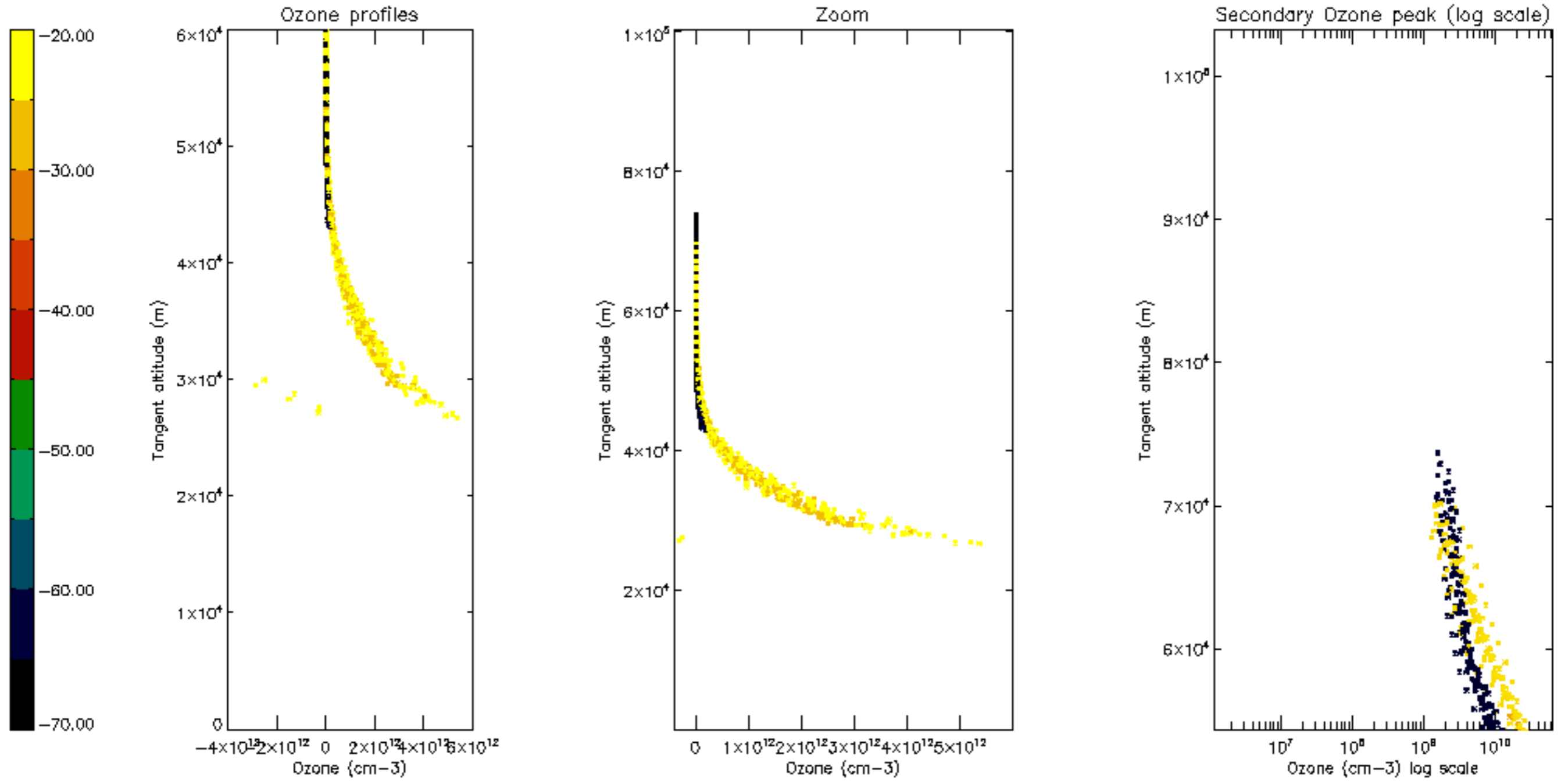


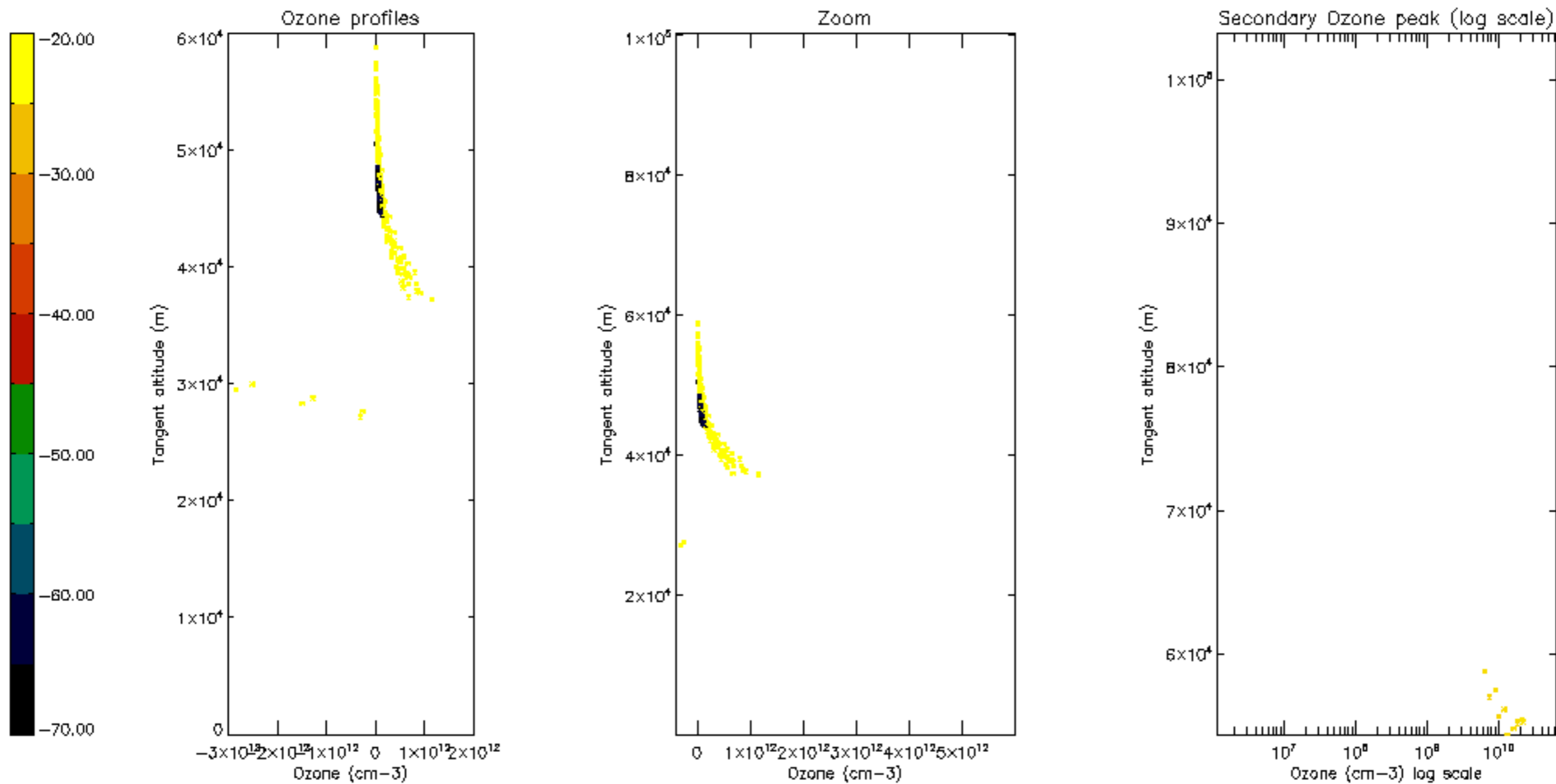
Percentage of saturation errors per profile

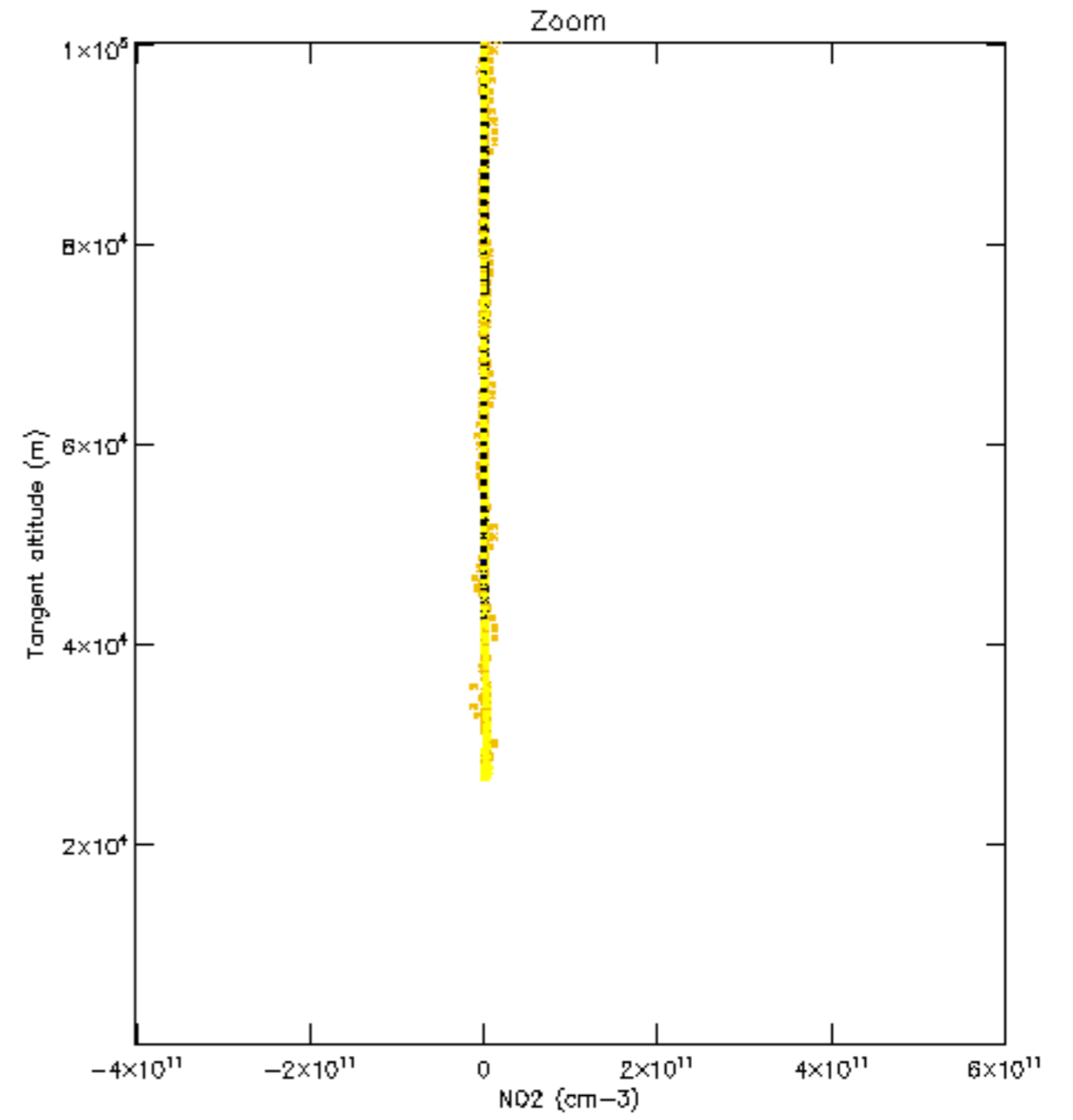
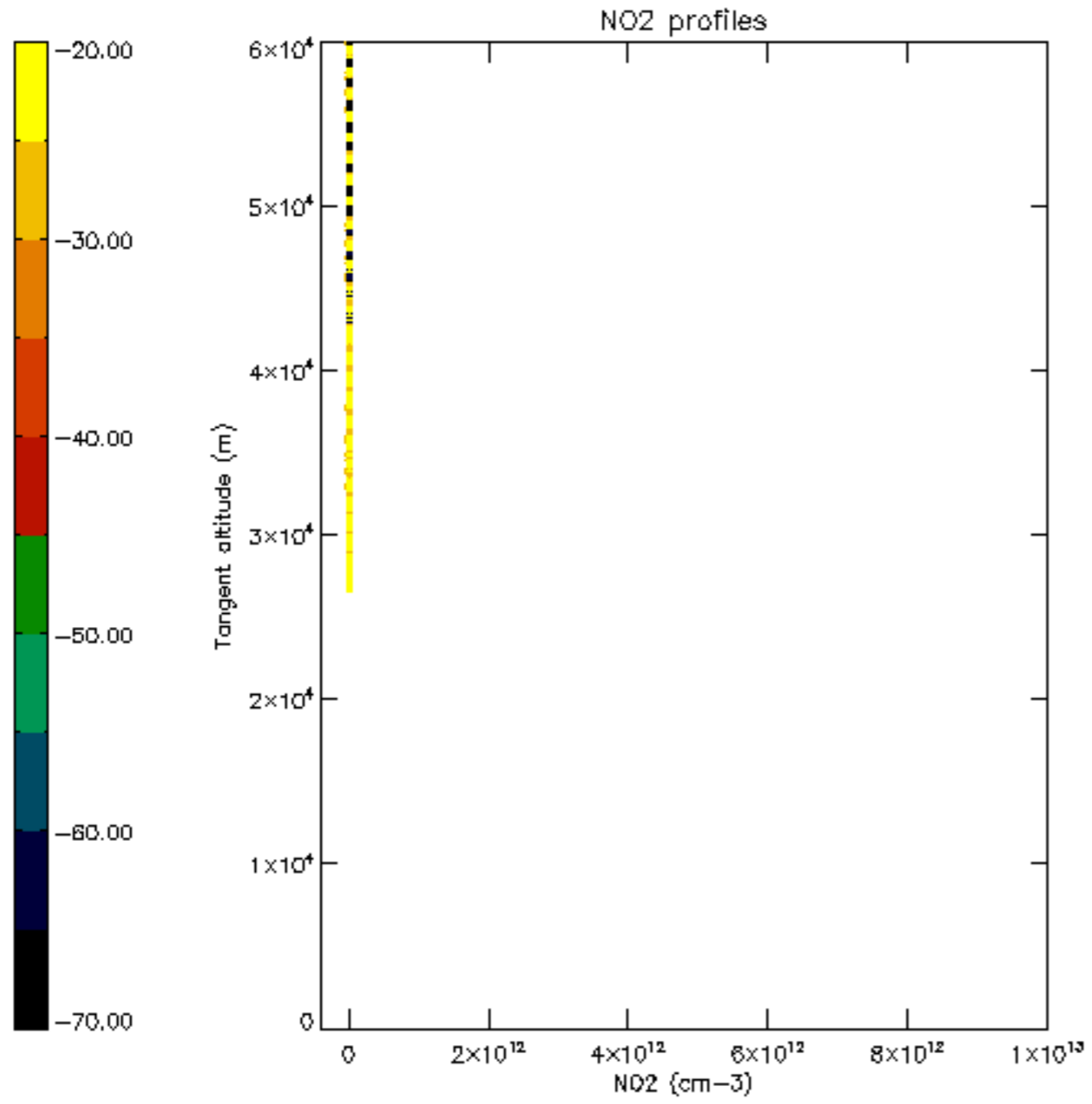


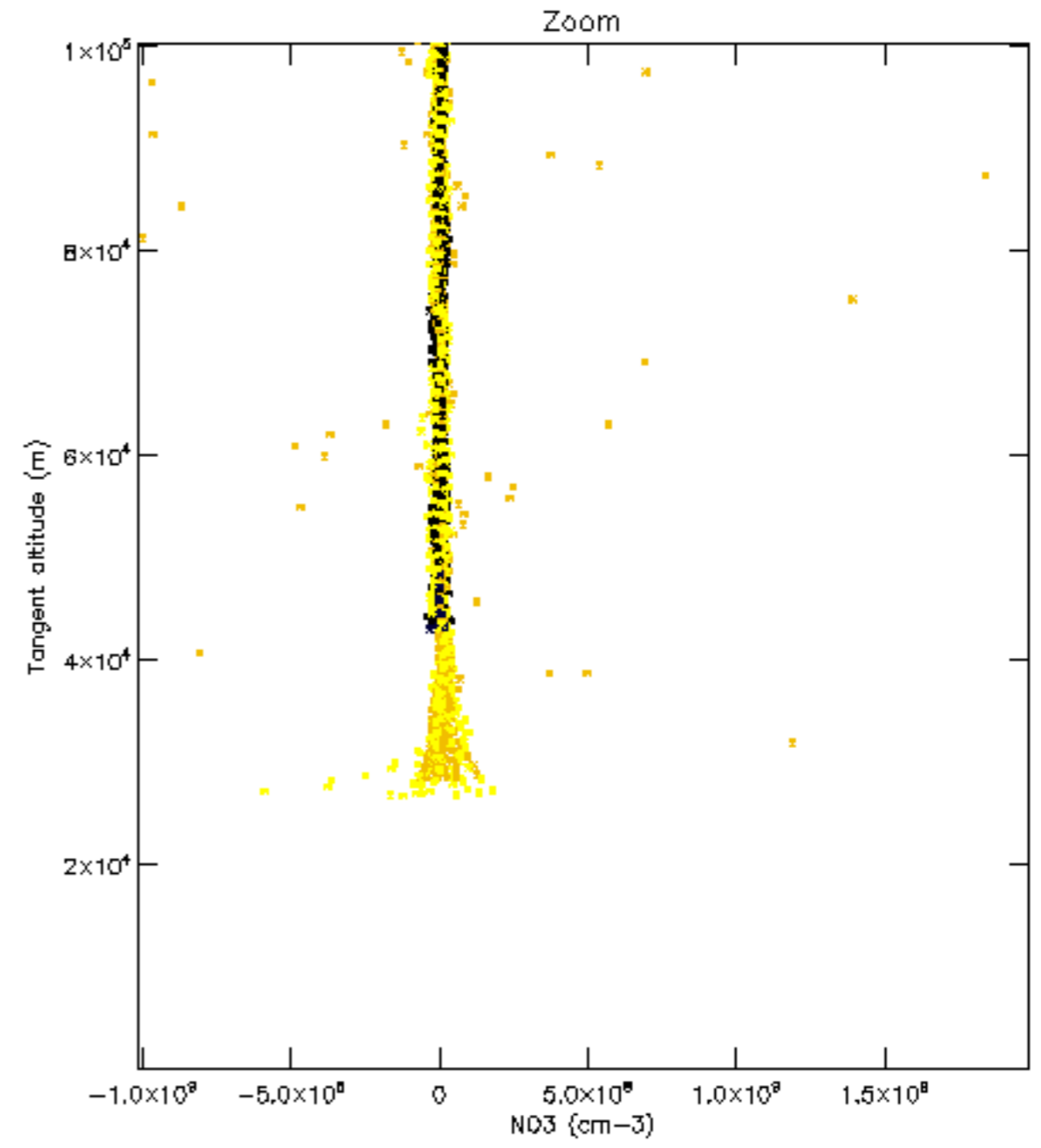
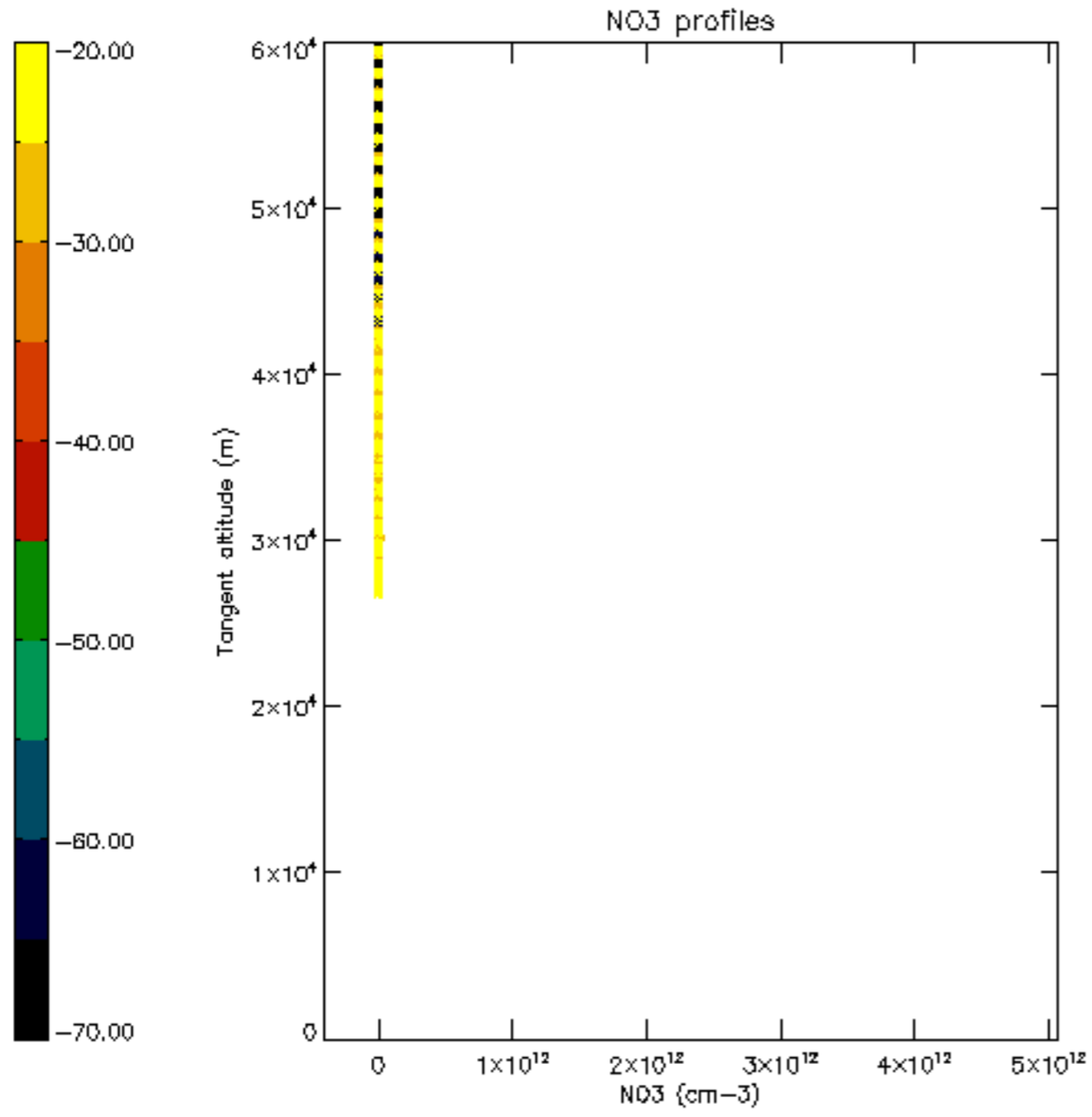


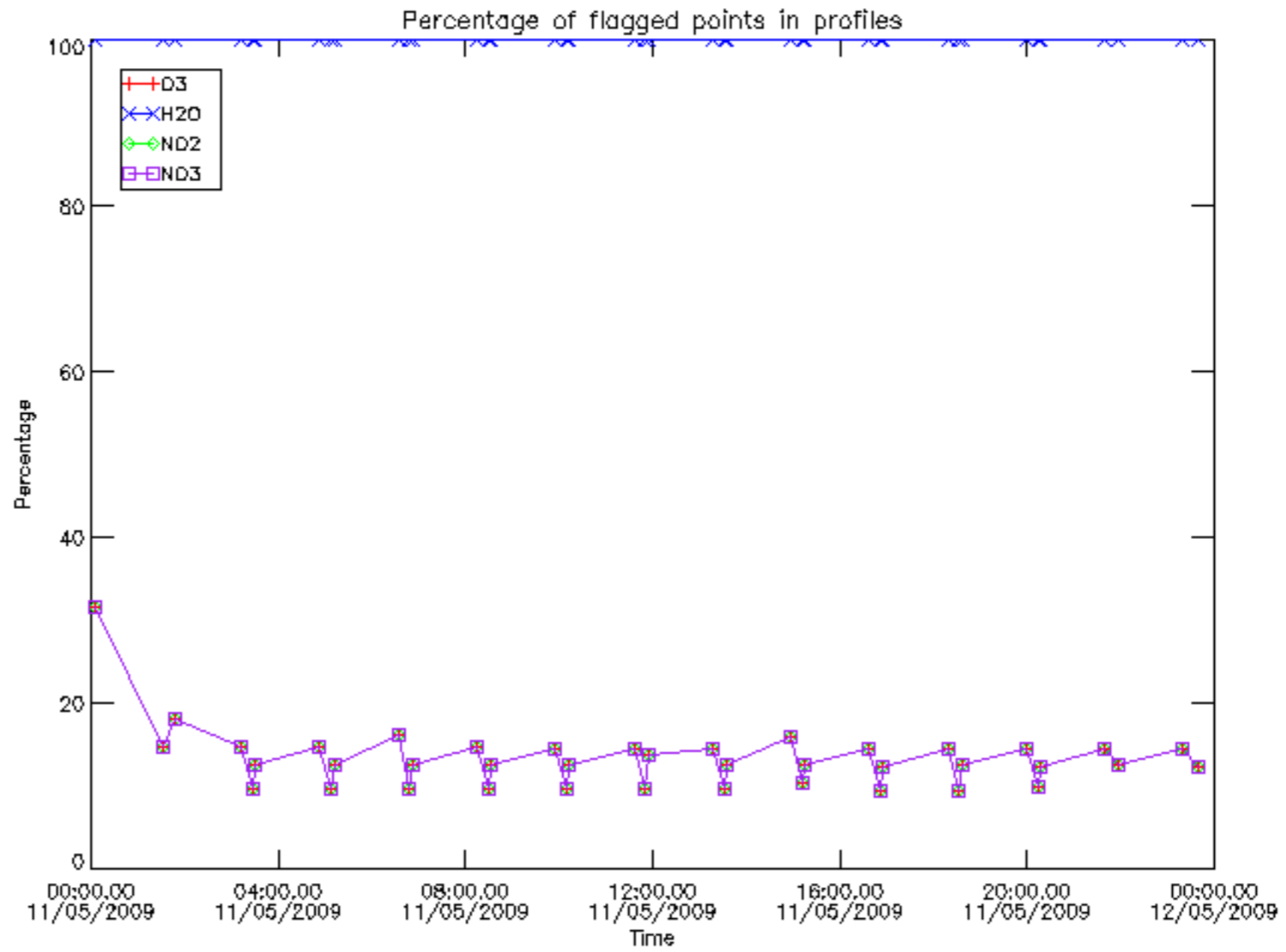




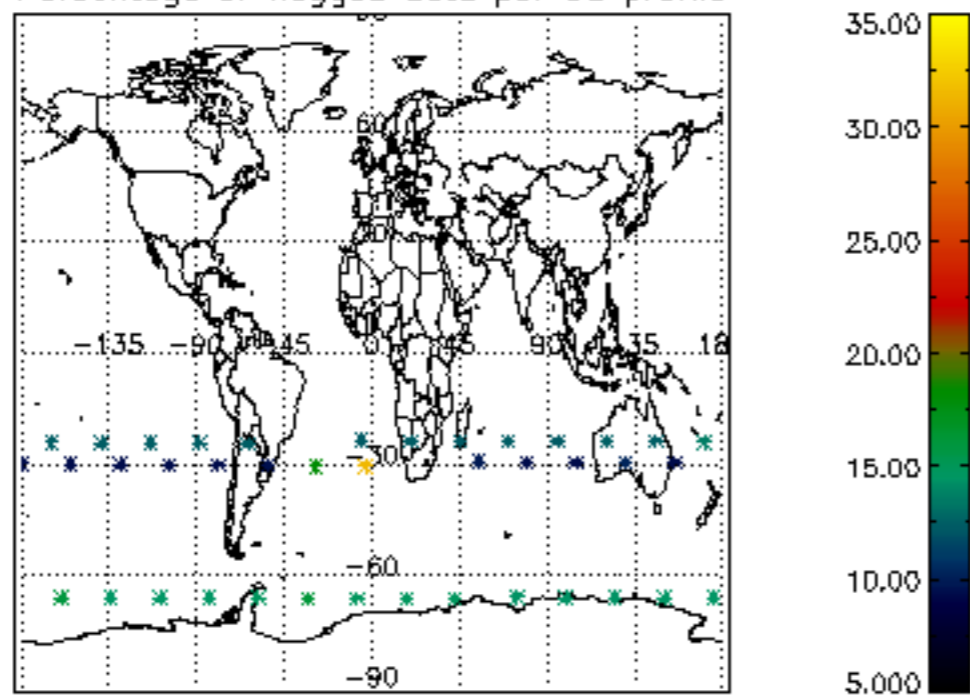




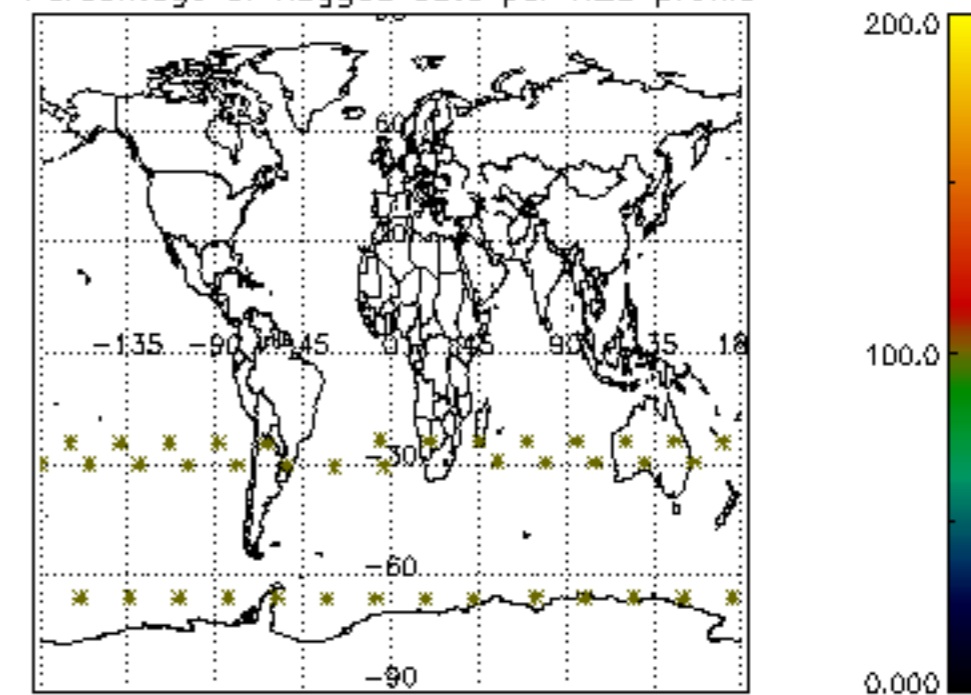




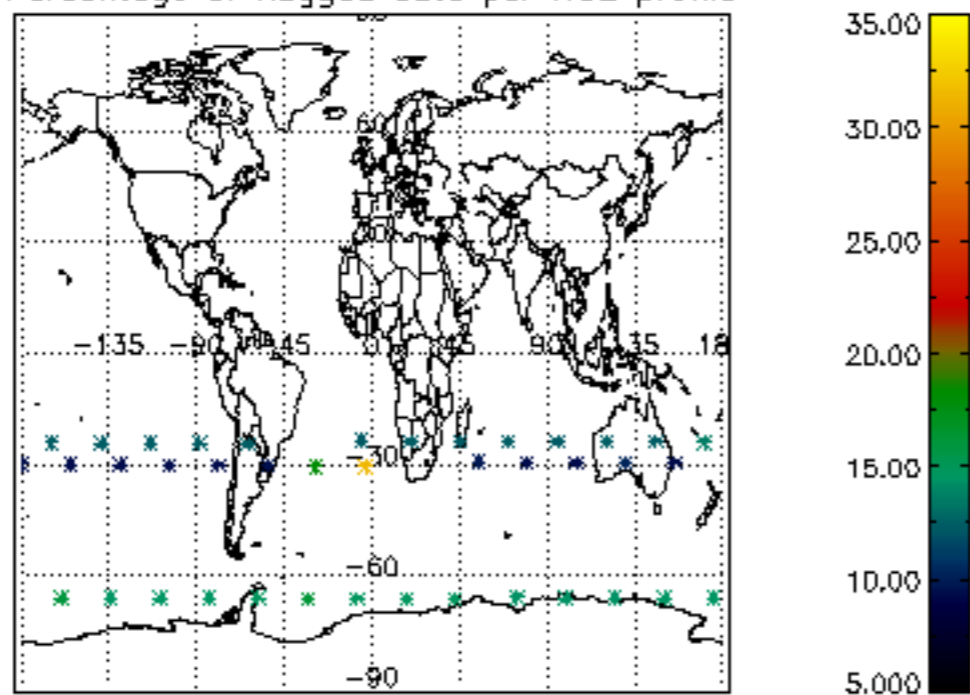
Percentage of flagged data per D3 profile



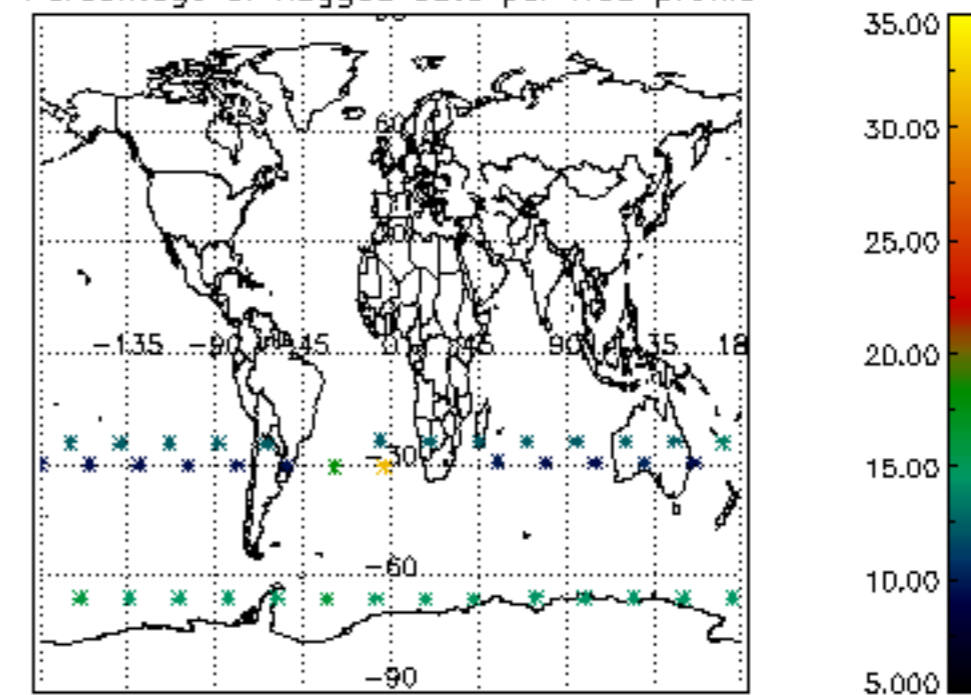
Percentage of flagged data per H2O profile

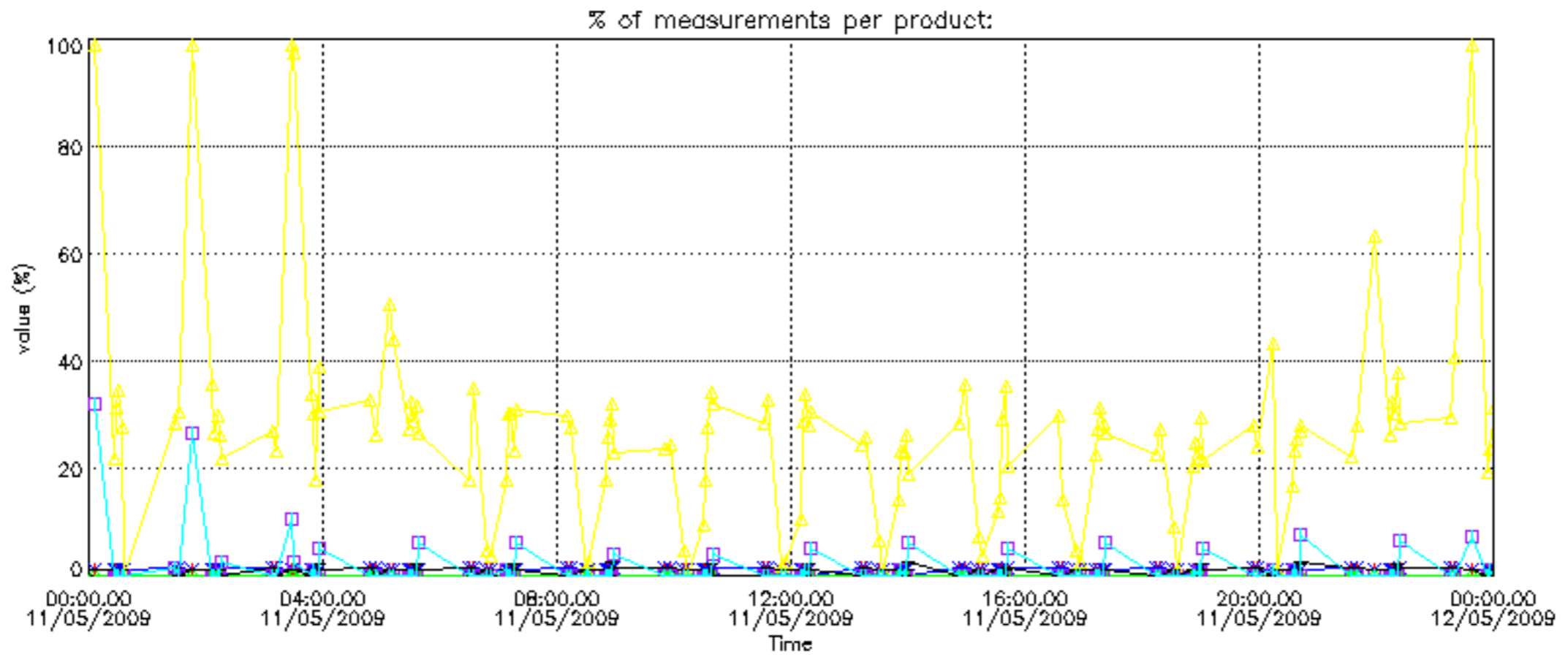


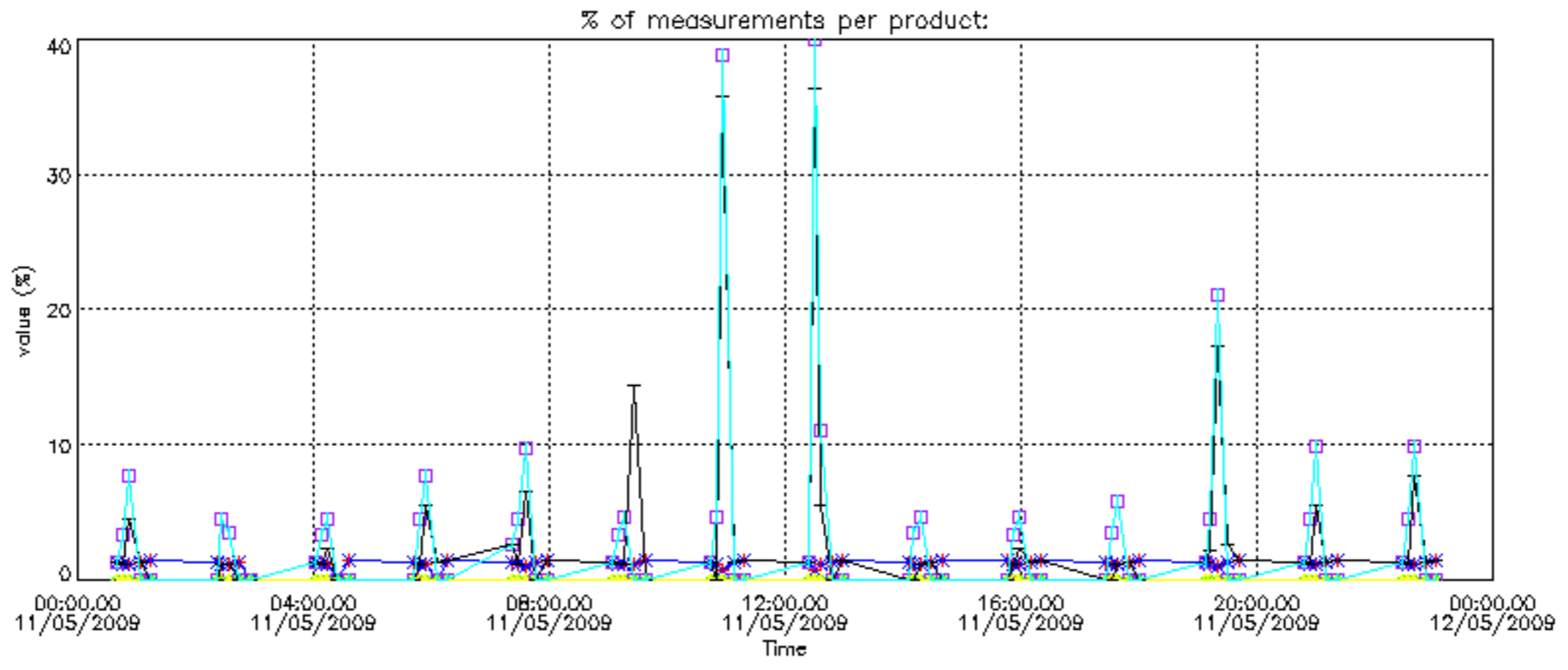
Percentage of flagged data per NO2 profile



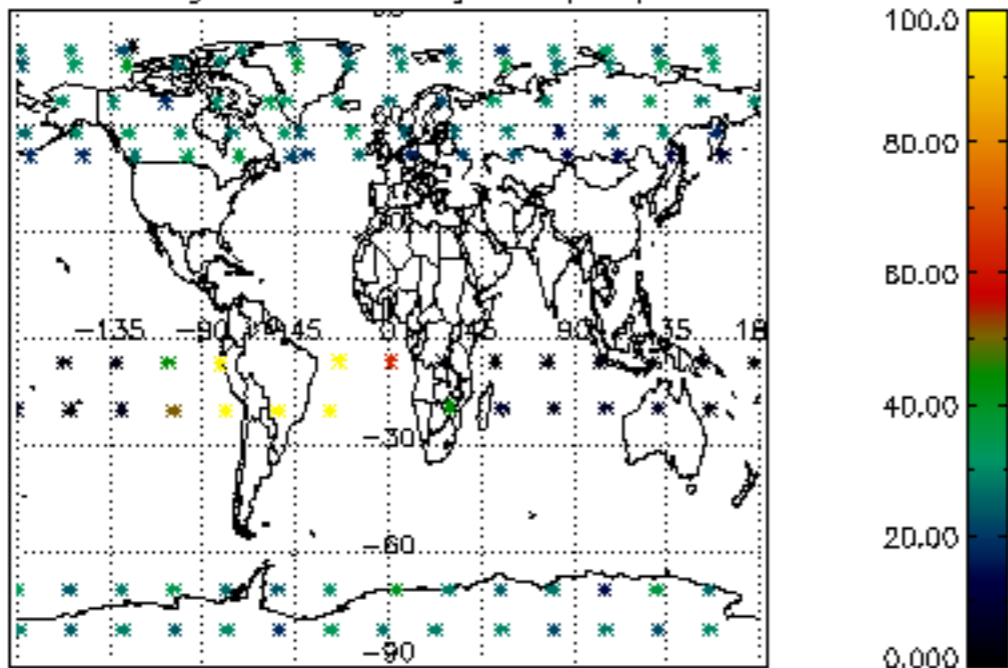
Percentage of flagged data per NO3 profile



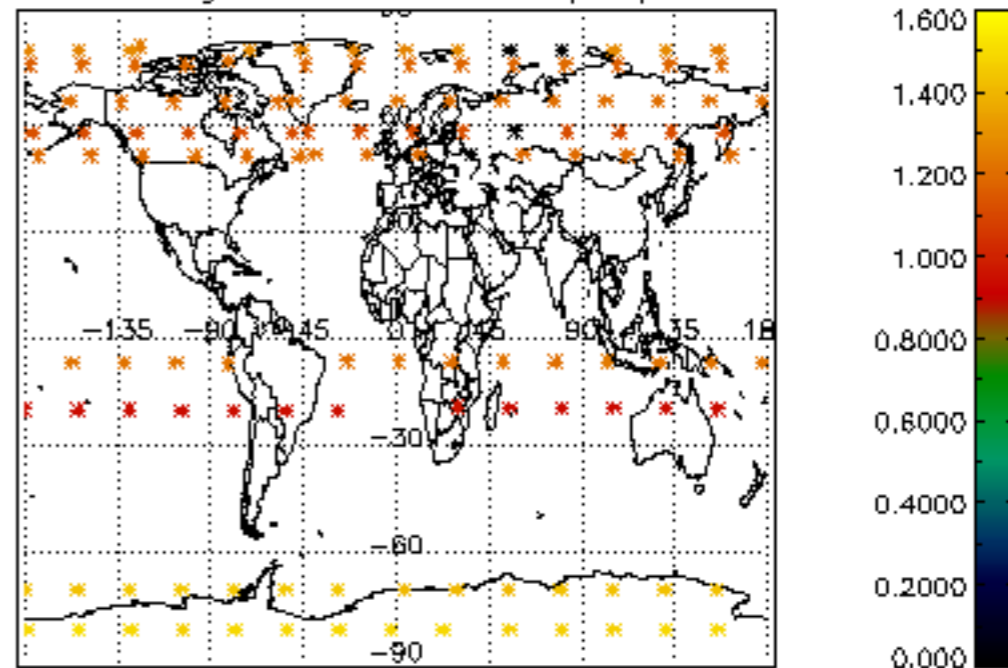




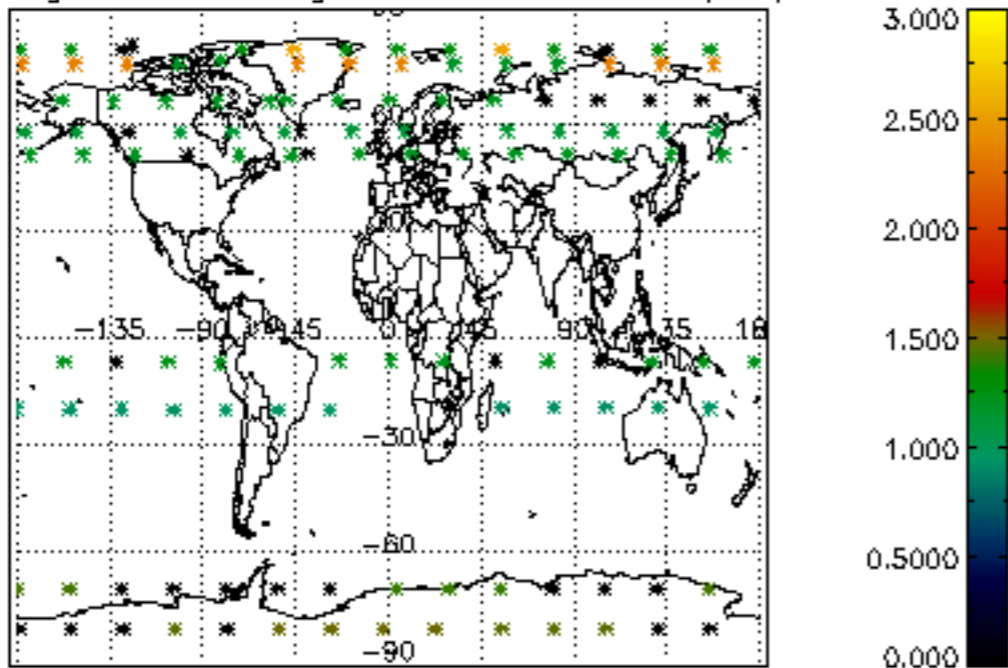
Percentage of cosmic ray hits per profile



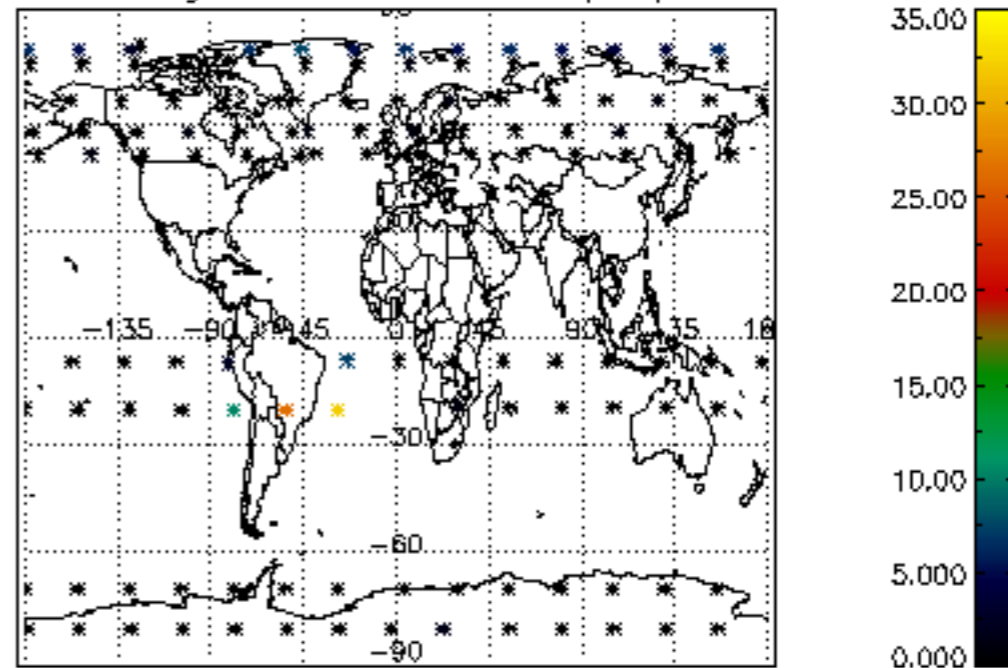
Percentage of datation errors per profile



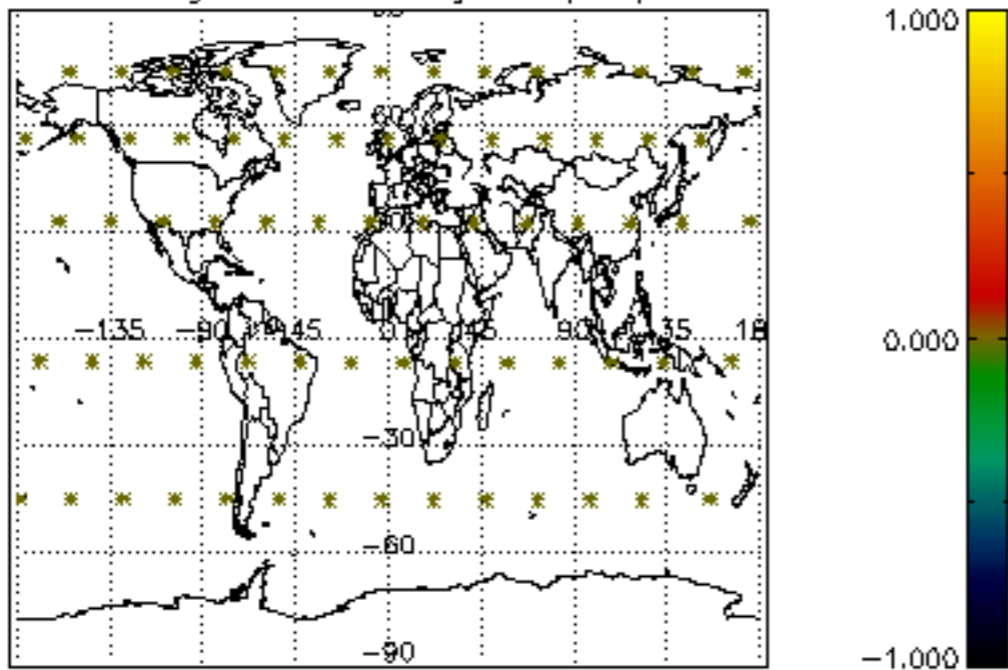
Percentage of star falling outside central band per profile



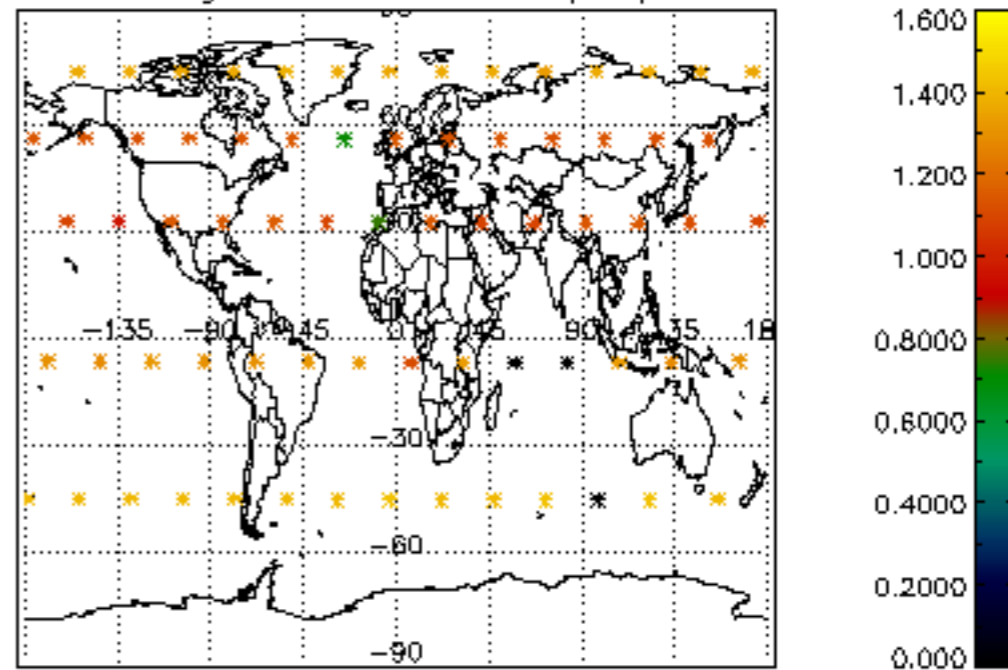
Percentage of saturation errors per profile



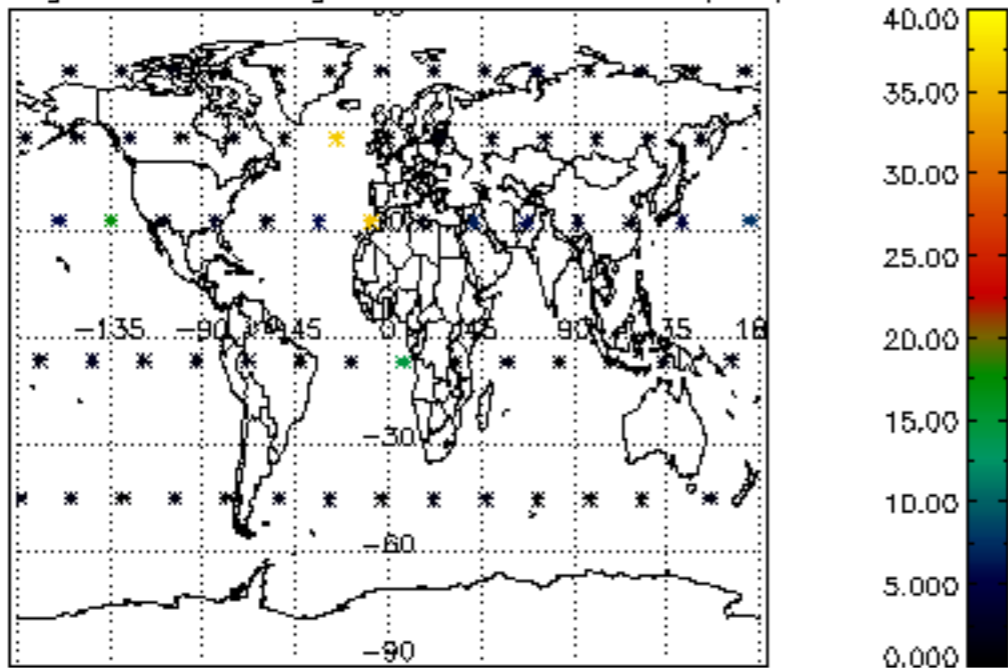
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

