

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	25APR2013 19:46:20
Data source version	GOMOS/6.01
Start time of products	09-09-2008 (09SEP2008 00:00:00)
Stop time of products	10-09-2008 (10SEP2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	145
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__2PRFIN20080909_095333_000000392072_00008_34130_4325.N1	09-SEP-2008 09:53:33	Dark	38.500	143	Alp Hyi	2.8570	7200.0	77	34130	No
2	GOM_NL__2PRFIN20080909_095456_000000482072_00008_34130_4326.N1	09-SEP-2008 09:54:56	Dark	48.000	9	Alp Eri	0.45300	24000.	96	34130	No
3	GOM_NL__2PRFIN20080909_100145_000000442072_00008_34130_4327.N1	09-SEP-2008 10:01:45	Straylight	44.000	63	Bet Gru	2.1500	2800.0	88	34130	No
4	GOM_NL__2PRFIN20080909_100621_000000422072_00008_34130_4328.N1	09-SEP-2008 10:06:21	Straylight	41.500	18	24Alp PsA	1.1660	9700.0	83	34130	No
5	GOM_NL__2PRFIN20080909_101518_000000372072_00008_34130_4329.N1	09-SEP-2008 10:15:18	Bright	37.000	162	34Alp Aqr	2.9440	5350.0	74	34130	No
6	GOM_NL__2PRFIN20080909_101816_000000362072_00008_34130_4330.N1	09-SEP-2008 10:18:16	Bright	36.000	61	8Eps Peg	2.1000	3900.0	72	34130	No
7	GOM_NL__2PRFIN20080909_102020_000000412072_00008_34130_4331.N1	09-SEP-2008 10:20:20	Bright	41.000	90	54Alp Peg	2.4870	11000.	82	34130	No
8	GOM_NL__2PRFIN20080909_102434_000000382072_00008_34130_4332.N1	09-SEP-2008 10:24:34	Bright	37.500	164	44Eta Peg	2.9480	5400.0	75	34130	No
9	GOM_NL__2PRFIN20080909_103309_000000352072_00008_34130_4333.N1	09-SEP-2008 10:33:09	Bright	34.500	89	5Alp Cep	2.4510	8000.0	69	34130	No
10	GOM_NL__2PRFIN20080909_104052_000000362072_00008_34130_4334.N1	09-SEP-2008 10:40:52	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	34130	No
11	GOM_NL__2PRFIN20080909_105809_000000412072_00008_34130_4335.N1	09-SEP-2008 10:58:09	Bright	41.000	24	66Alp Gem	1.5800	10200.	82	34130	No
12	GOM_NL__2PRFIN20080909_110620_000000512072_00008_34130_4336.N1	09-SEP-2008 11:06:20	Twilight	50.500	8	10Alp CMi	0.40000	6500.0	101	34130	No
13	GOM_NL__2PRFIN20080909_111444_000000522072_00008_34130_4337.N1	09-SEP-2008 11:14:44	Dark	52.000	1	9Alp CMa	-1.4400	11000.	104	34130	No
14	GOM_NL__2PRFIN20080909_111714_000000432072_00008_34130_4338.N1	09-SEP-2008 11:17:14	Dark	43.000	23	21Eps CMa	1.5020	26000.	86	34130	No
15	GOM_NL__2PRFIN20080909_111920_000000452072_00008_34130_4339.N1	09-SEP-2008 11:19:20	Dark	45.000	177	1Zet CMa	3.0220	26000.	90	34130	No
16	GOM_NL__2PRFIN20080909_112231_000000402072_00008_34130_4340.N1	09-SEP-2008 11:22:31	Dark	39.500	161	Tau Pup	2.9310	4500.0	79	34130	No
17	GOM_NL__2PRFIN20080909_112346_000000492072_00008_34130_4341.N1	09-SEP-2008 11:23:46	Dark	48.500	2	Alp Car	-0.73600	7000.0	97	34130	No
18	GOM_NL__2PRFIN20080909_113410_000000392072_00009_34131_4338.N1	09-SEP-2008 11:34:10	Dark	39.000	143	Alp Hyi	2.8570	7200.0	78	34131	No
19	GOM_NL__2PRFIN20080909_113532_000000502072_00009_34131_4339.N1	09-SEP-2008 11:35:32	Dark	49.500	9	Alp Eri	0.45300	24000.	99	34131	No
20	GOM_NL__2PRFIN20080909_114221_000000432072_00009_34131_4340.N1	09-SEP-2008 11:42:21	Straylight	42.500	63	Bet Gru	2.1500	2800.0	85	34131	No
21	GOM_NL__2PRFIN20080909_114656_000000422072_00009_34131_4341.N1	09-SEP-2008 11:46:56	Straylight	42.000	18	24Alp PsA	1.1660	9700.0	84	34131	No
22	GOM_NL__2PRFIN20080909_115553_000000372072_00009_34131_4342.N1	09-SEP-2008 11:55:53	Bright	37.000	162	34Alp Aqr	2.9440	5350.0	74	34131	No
23	GOM_NL__2PRFIN20080909_115852_000000382072_00009_34131_4343.N1	09-SEP-2008 11:58:52	Bright	37.500	61	8Eps Peg	2.1000	3900.0	75	34131	No
24	GOM_NL__2PRFIN20080909_120055_000000422072_00009_34131_4344.N1	09-SEP-2008 12:00:55	Bright	42.000	90	54Alp Peg	2.4870	11000.	84	34131	No
25	GOM_NL__2PRFIN20080909_120509_000000382072_00009_34131_4345.N1	09-SEP-2008 12:05:09	Bright	38.000	164	44Eta Peg	2.9480	5400.0	76	34131	No
26	GOM_NL__2PRFIN20080909_121344_000000362072_00009_34131_4346.N1	09-SEP-2008 12:13:44	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	34131	No
27	GOM_NL__2PRFIN20080909_122128_000000372072_00009_34131_4347.N1	09-SEP-2008 12:21:28	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	34131	No
28	GOM_NL__2PRFIN20080909_123845_000000402072_00009_34131_4348.N1	09-SEP-2008 12:38:45	Bright	40.000	24	66Alp Gem	1.5800	10200.	80	34131	No
29	GOM_NL__2PRFIN20080909_124656_000000492072_00009_34131_4349.N1	09-SEP-2008 12:46:56	Twilight	48.500	8	10Alp CMi	0.40000	6500.0	97	34131	No
30	GOM_NL__2PRFIN20080909_125521_000000562072_00009_34131_4350.N1	09-SEP-2008 12:55:21	Dark	56.000	1	9Alp CMa	-1.4400	11000.	112	34131	No
31	GOM_NL__2PRFIN20080909_125750_000000462072_00009_34131_4351.N1	09-SEP-2008 12:57:50	Dark	45.500	23	21Eps CMa	1.5020	26000.	91	34131	No
32	GOM_NL__2PRFIN20080909_125957_000000442072_00009_34131_4352.N1	09-SEP-2008 12:59:57	Dark	44.000	177	1Zet CMa	3.0220	26000.	88	34131	No
33	GOM_NL__2PRFIN20080909_130307_000000382072_00009_34131_4353.N1	09-SEP-2008 13:03:07	Dark	38.000	161	Tau Pup	2.9310	4500.0	76	34131	No
34	GOM_NL__2PRFIN20080909_130422_000000552072_00009_34131_4354.N1	09-SEP-2008 13:04:22	Dark	55.000	2	Alp Car	-0.73600	7000.0	110	34131	No
35	GOM_NL__2PRFIN20080909_131445_000000402072_00010_34132_4358.N1	09-SEP-2008 13:14:45	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	34132	No
36	GOM_NL__2PRFIN20080909_131608_000000442072_00010_34132_4359.N1	09-SEP-2008 13:16:08	Dark	44.000	9	Alp Eri	0.45300	24000.	88	34132	No
37	GOM_NL__2PRFIN20080909_132257_000000432072_00010_34132_4360.N1	09-SEP-2008 13:22:57	Straylight	42.500	63	Bet Gru	2.1500	2800.0	85	34132	No
38	GOM_NL__2PRFIN20080909_132732_000000452072_00010_34132_4361.N1	09-SEP-2008 13:27:32	Straylight	45.000	18	24Alp PsA	1.1660	9700.0	90	34132	No
39	GOM_NL__2PRFIN20080909_133629_000000372072_00010_34132_4362.N1	09-SEP-2008 13:36:29	Bright	37.000	162	34Alp Aqr	2.9440	5350.0	74	34132	No
40	GOM_NL__2PRFIN20080909_133927_000000362072_00010_34132_4363.N1	09-SEP-2008 13:39:27	Bright	36.000	61	8Eps Peg	2.1000	3900.0	72	34132	No
41	GOM_NL__2PRFIN20080909_134130_000000432072_00010_34132_4364.N1	09-SEP-2008 13:41:30	Bright	42.500	90	54Alp Peg	2.4870	11000.	85	34132	No
42	GOM_NL__2PRFIN20080909_134544_000000402072_00010_34132_4365.N1	09-SEP-2008 13:45:44	Bright	40.000	164	44Eta Peg	2.9480	5400.0	80	34132	No

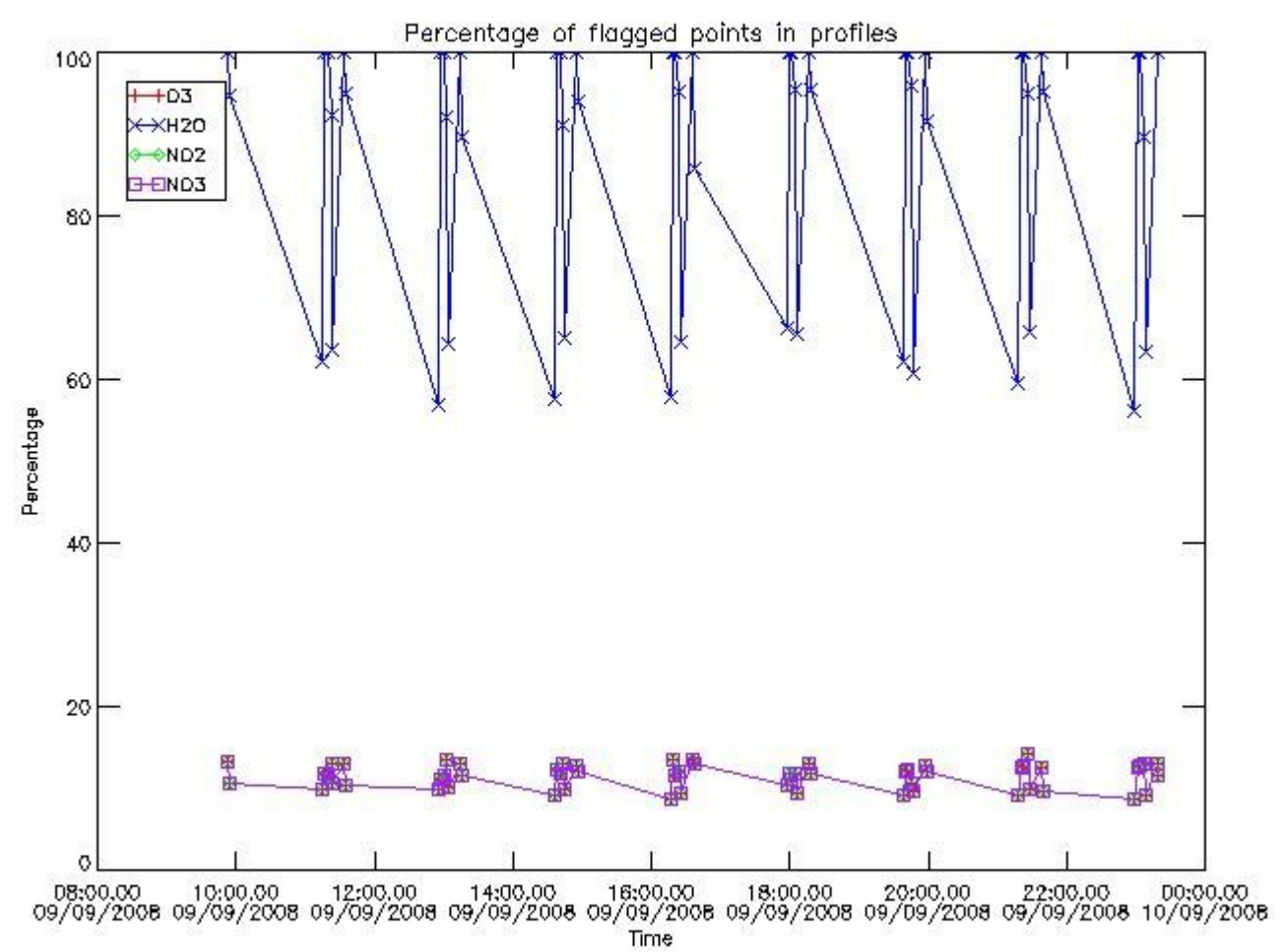
43	GOM_NL__2PRFIN20080909_135420_000000362072_00010_34132_4366.N1	09-SEP-2008 13:54:20	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	34132	No
44	GOM_NL__2PRFIN20080909_140203_000000332072_00010_34132_4367.N1	09-SEP-2008 14:02:03	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	34132	No
45	GOM_NL__2PRFIN20080909_141921_000000402072_00010_34132_4368.N1	09-SEP-2008 14:19:21	Bright	40.000	24	66Alp Gem	1.5800	10200.	80	34132	No
46	GOM_NL__2PRFIN20080909_142732_000000482072_00010_34132_4369.N1	09-SEP-2008 14:27:32	Twilight	48.000	8	10Alp CMi	0.40000	6500.0	96	34132	No
47	GOM_NL__2PRFIN20080909_143557_000000562072_00010_34132_4370.N1	09-SEP-2008 14:35:57	Dark	56.000	1	9Alp CMa	-1.4400	11000.	112	34132	No
48	GOM_NL__2PRFIN20080909_143827_000000422072_00010_34132_4371.N1	09-SEP-2008 14:38:27	Dark	41.500	23	21Eps CMa	1.5020	26000.	83	34132	No
49	GOM_NL__2PRFIN20080909_144034_000000442072_00010_34132_4372.N1	09-SEP-2008 14:40:34	Dark	43.500	177	1Zet CMa	3.0220	26000.	87	34132	No
50	GOM_NL__2PRFIN20080909_144343_000000402072_00010_34132_4373.N1	09-SEP-2008 14:43:43	Dark	39.500	161	Tau Pup	2.9310	4500.0	79	34132	No
51	GOM_NL__2PRFIN20080909_144459_000000522072_00010_34132_4374.N1	09-SEP-2008 14:44:59	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	34132	No
52	GOM_NL__2PRFIN20080909_145522_000000402072_00011_34133_4380.N1	09-SEP-2008 14:55:22	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	34133	No
53	GOM_NL__2PRFIN20080909_145645_000000422072_00011_34133_4381.N1	09-SEP-2008 14:56:45	Dark	42.000	9	Alp Eri	0.45300	24000.	84	34133	No
54	GOM_NL__2PRFIN20080909_150333_000000482072_00011_34133_4382.N1	09-SEP-2008 15:03:33	Straylight	48.000	63	Bet Gru	2.1500	2800.0	96	34133	No
55	GOM_NL__2PRFIN20080909_150808_000000422072_00011_34133_4383.N1	09-SEP-2008 15:08:08	Straylight	42.000	18	24Alp PsA	1.1660	9700.0	84	34133	No
56	GOM_NL__2PRFIN20080909_151705_000000382072_00011_34133_4384.N1	09-SEP-2008 15:17:05	Bright	37.500	162	34Alp Aqr	2.9440	5350.0	75	34133	No
57	GOM_NL__2PRFIN20080909_152003_000000372072_00011_34133_4385.N1	09-SEP-2008 15:20:03	Bright	37.000	61	8Eps Peg	2.1000	3900.0	74	34133	No
58	GOM_NL__2PRFIN20080909_152206_000000432072_00011_34133_4386.N1	09-SEP-2008 15:22:06	Bright	42.500	90	54Alp Peg	2.4870	11000.	85	34133	No
59	GOM_NL__2PRFIN20080909_152620_000000412072_00011_34133_4387.N1	09-SEP-2008 15:26:20	Bright	40.500	164	44Eta Peg	2.9480	5400.0	81	34133	No
60	GOM_NL__2PRFIN20080909_153456_000000332072_00011_34133_4388.N1	09-SEP-2008 15:34:56	Bright	33.000	89	5Alp Cep	2.4510	8000.0	66	34133	No
61	GOM_NL__2PRFIN20080909_154239_000000372072_00011_34133_4389.N1	09-SEP-2008 15:42:39	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	34133	No
62	GOM_NL__2PRFIN20080909_155957_000000592072_00011_34133_4390.N1	09-SEP-2008 15:59:57	Bright	59.000	24	66Alp Gem	1.5800	10200.	118	34133	No
63	GOM_NL__2PRFIN20080909_160808_000000552072_00011_34133_4391.N1	09-SEP-2008 16:08:08	Twilight	55.000	8	10Alp CMi	0.40000	6500.0	110	34133	No
64	GOM_NL__2PRFIN20080909_161634_000000592072_00011_34133_4392.N1	09-SEP-2008 16:16:34	Dark	58.500	1	9Alp CMa	-1.4400	11000.	117	34133	No
65	GOM_NL__2PRFIN20080909_161903_000000452072_00011_34133_4393.N1	09-SEP-2008 16:19:03	Dark	45.000	23	21Eps CMa	1.5020	26000.	90	34133	No
66	GOM_NL__2PRFIN20080909_162110_000000452072_00011_34133_4394.N1	09-SEP-2008 16:21:10	Dark	44.500	177	1Zet CMa	3.0220	26000.	89	34133	No
67	GOM_NL__2PRFIN20080909_162420_000000432072_00011_34133_4395.N1	09-SEP-2008 16:24:20	Dark	42.500	161	Tau Pup	2.9310	4500.0	85	34133	No
68	GOM_NL__2PRFIN20080909_162535_000000542072_00011_34133_4396.N1	09-SEP-2008 16:25:35	Dark	54.000	2	Alp Car	-0.73600	7000.0	108	34133	No
69	GOM_NL__2PRFIN20080909_163558_000000382072_00012_34134_4399.N1	09-SEP-2008 16:35:58	Dark	38.000	143	Alp Hyi	2.8570	7200.0	76	34134	No
70	GOM_NL__2PRFIN20080909_163721_000000432072_00012_34134_4400.N1	09-SEP-2008 16:37:21	Dark	43.000	9	Alp Eri	0.45300	24000.	86	34134	No
71	GOM_NL__2PRFIN20080909_164409_000000462072_00012_34134_4401.N1	09-SEP-2008 16:44:09	Straylight	46.000	63	Bet Gru	2.1500	2800.0	92	34134	No
72	GOM_NL__2PRFIN20080909_164844_000000452072_00012_34134_4402.N1	09-SEP-2008 16:48:44	Straylight	45.000	18	24Alp PsA	1.1660	9700.0	90	34134	No
73	GOM_NL__2PRFIN20080909_165741_000000372072_00012_34134_4403.N1	09-SEP-2008 16:57:41	Bright	37.000	162	34Alp Aqr	2.9440	5350.0	74	34134	No
74	GOM_NL__2PRFIN20080909_170039_000000372072_00012_34134_4404.N1	09-SEP-2008 17:00:39	Bright	37.000	61	8Eps Peg	2.1000	3900.0	74	34134	No
75	GOM_NL__2PRFIN20080909_170242_000000422072_00012_34134_4405.N1	09-SEP-2008 17:02:42	Bright	41.500	90	54Alp Peg	2.4870	11000.	83	34134	No
76	GOM_NL__2PRFIN20080909_170655_000000402072_00012_34134_4406.N1	09-SEP-2008 17:06:55	Bright	39.500	164	44Eta Peg	2.9480	5400.0	79	34134	No
77	GOM_NL__2PRFIN20080909_171532_000000332072_00012_34134_4407.N1	09-SEP-2008 17:15:32	Bright	33.000	89	5Alp Cep	2.4510	8000.0	66	34134	No
78	GOM_NL__2PRFIN20080909_172315_000000362072_00012_34134_4408.N1	09-SEP-2008 17:23:15	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	34134	No
79	GOM_NL__2PRFIN20080909_174033_000000442072_00012_34134_4409.N1	09-SEP-2008 17:40:33	Bright	43.500	24	66Alp Gem	1.5800	10200.	87	34134	No
80	GOM_NL__2PRFIN20080909_174845_000000492072_00012_34134_4410.N1	09-SEP-2008 17:48:45	Twilight	49.000	8	10Alp CMi	0.40000	6500.0	98	34134	No
81	GOM_NL__2PRFIN20080909_175711_000000502072_00012_34134_4411.N1	09-SEP-2008 17:57:11	Dark	49.500	1	9Alp CMa	-1.4400	11000.	99	34134	No
82	GOM_NL__2PRFIN20080909_175940_000000432072_00012_34134_4412.N1	09-SEP-2008 17:59:40	Dark	43.000	23	21Eps CMa	1.5020	26000.	86	34134	No
83	GOM_NL__2PRFIN20080909_180147_000000462072_00012_34134_4413.N1	09-SEP-2008 18:01:47	Dark	46.000	177	1Zet CMa	3.0220	26000.	92	34134	No
84	GOM_NL__2PRFIN20080909_180456_000000442072_00012_34134_4414.N1	09-SEP-2008 18:04:56	Dark	43.500	161	Tau Pup	2.9310	4500.0	87	34134	No
85	GOM_NL__2PRFIN20080909_180612_000000542072_00012_34134_4415.N1	09-SEP-2008 18:06:12	Dark	54.000	2	Alp Car	-0.73600	7000.0	108	34134	No
86	GOM_NL__2PRFIN20080909_181635_000000402072_00013_34135_4439.N1	09-SEP-2008 18:16:35	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	34135	No
87	GOM_NL__2PRFIN20080909_181758_000000442072_00013_34135_4440.N1	09-SEP-2008 18:17:58	Dark	43.500	9	Alp Eri	0.45300	24000.	87	34135	No
88	GOM_NL__2PRFIN20080909_182445_000000472072_00013_34135_4441.N1	09-SEP-2008 18:24:45	Straylight	47.000	63	Bet Gru	2.1500	2800.0	94	34135	No
89	GOM_NL__2PRFIN20080909_182921_000000452072_00013_34135_4442.N1	09-SEP-2008 18:29:21	Straylight	44.500	18	24Alp PsA	1.1660	9700.0	89	34135	No
90	GOM_NL__2PRFIN20080909_183817_000000362072_00013_34135_4443.N1	09-SEP-2008 18:38:17	Bright	36.000	162	34Alp Aqr	2.9440	5350.0	72	34135	No
91	GOM_NL__2PRFIN20080909_184116_000000382072_00013_34135_4444.N1	09-SEP-2008 18:41:16	Bright	37.500	61	8Eps Peg	2.1000	3900.0	75	34135	No
92	GOM_NL__2PRFIN20080909_184317_000000402072_00013_34135_4445.N1	09-SEP-2008 18:43:17	Bright	40.000	90	54Alp Peg	2.4870	11000.	80	34135	No
93	GOM_NL__2PRFIN20080909_184731_000000382072_00013_34135_4446.N1	09-SEP-2008 18:47:31	Bright	37.500	164	44Eta Peg	2.9480	5400.0	75	34135	No
94	GOM_NL__2PRFIN20080909_185608_000000362072_00013_34135_4447.N1	09-SEP-2008 18:56:08	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	34135	No
95	GOM_NL__2PRFIN20080909_190351_000000372072_00013_34135_4448.N1	09-SEP-2008 19:03:51	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	34135	No
96	GOM_NL__2PRFIN20080909_192109_000000412072_00013_34135_4449.N1	09-SEP-2008 19:21:09	Bright	41.000	24	66Alp Gem	1.5800	10200.	82	34135	No
97	GOM_NL__2PRFIN20080909_192921_000000512072_00013_34135_4450.N1	09-SEP-2008 19:29:21	Twilight	50.500	8	10Alp CMi	0.40000	6500.0	101	34135	No
98	GOM_NL__2PRFIN20080909_193748_000000562072_00013_34135_4451.N1	09-SEP-2008 19:37:48	Dark	56.000	1	9Alp CMa	-1.4400	11000.	112	34135	No
99	GOM_NL__2PRFIN20080909_194017_000000422072_00013_34135_4452.N1	09-SEP-2008 19:40:17	Dark	42.000	23	21Eps CMa	1.5020	26000.	84	34135	No
100	GOM_NL__2PRFIN20080909_194224_000000462072_00013_34135_4453.N1	09-SEP-2008 19:42:24	Dark	46.000	177	1Zet CMa	3.0220	26000.	92	34135	No
101	GOM_NL__2PRFIN20080909_194533_000000482072_00013_34135_4454.N1	09-SEP-2008 19:45:33	Dark	48.000	161	Tau Pup	2.9310	4500.0	96	34135	No

102	GOM_NL__2PRFIN20080909_194648_000000532072_00013_34135_4455.N1	09-SEP-2008 19:46:48	Dark	52.500	2	Alp Car	-0.73600	7000.0	105	34135	No
103	GOM_NL__2PRFIN20080909_195711_000000402072_00014_34136_4457.N1	09-SEP-2008 19:57:11	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	34136	No
104	GOM_NL__2PRFIN20080909_195834_000000422072_00014_34136_4458.N1	09-SEP-2008 19:58:34	Dark	42.000	9	Alp Eri	0.45300	24000.	84	34136	No
105	GOM_NL__2PRFIN20080909_200521_000000512072_00014_34136_4459.N1	09-SEP-2008 20:05:21	Straylight	51.000	63	Bet Gru	2.1500	2800.0	102	34136	No
106	GOM_NL__2PRFIN20080909_200957_000000422072_00014_34136_4460.N1	09-SEP-2008 20:09:57	Straylight	42.000	18	24Alp PsA	1.1660	9700.0	84	34136	No
107	GOM_NL__2PRFIN20080909_201853_000000382072_00014_34136_4461.N1	09-SEP-2008 20:18:53	Bright	37.500	162	34Alp Aqr	2.9440	5350.0	75	34136	No
108	GOM_NL__2PRFIN20080909_202152_000000372072_00014_34136_4462.N1	09-SEP-2008 20:21:52	Bright	37.000	61	8Eps Peg	2.1000	3900.0	74	34136	No
109	GOM_NL__2PRFIN20080909_202353_000000422072_00014_34136_4463.N1	09-SEP-2008 20:23:53	Bright	42.000	90	54Alp Peg	2.4870	11000.	84	34136	No
110	GOM_NL__2PRFIN20080909_202807_000000402072_00014_34136_4464.N1	09-SEP-2008 20:28:07	Bright	39.500	164	44Eta Peg	2.9480	5400.0	79	34136	No
111	GOM_NL__2PRFIN20080909_203644_000000362072_00014_34136_4465.N1	09-SEP-2008 20:36:44	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	34136	No
112	GOM_NL__2PRFIN20080909_204427_000000372072_00014_34136_4466.N1	09-SEP-2008 20:44:27	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	34136	No
113	GOM_NL__2PRFIN20080909_210145_000000412072_00014_34136_4467.N1	09-SEP-2008 21:01:45	Bright	40.500	24	66Alp Gem	1.5800	10200.	81	34136	No
114	GOM_NL__2PRFIN20080909_210957_000000502072_00014_34136_4468.N1	09-SEP-2008 21:09:57	Twilight	49.500	8	10Alp CMi	0.40000	6500.0	99	34136	No
115	GOM_NL__2PRFIN20080909_211825_000000562072_00014_34136_4469.N1	09-SEP-2008 21:18:25	Dark	56.000	1	9Alp CMa	-1.4400	11000.	112	34136	No
116	GOM_NL__2PRFIN20080909_212053_000000452072_00014_34136_4470.N1	09-SEP-2008 21:20:53	Dark	44.500	23	21Eps CMa	1.5020	26000.	89	34136	No
117	GOM_NL__2PRFIN20080909_212301_000000442072_00014_34136_4471.N1	09-SEP-2008 21:23:01	Dark	43.500	177	1Zet CMa	3.0220	26000.	87	34136	No
118	GOM_NL__2PRFIN20080909_212609_000000402072_00014_34136_4472.N1	09-SEP-2008 21:26:09	Dark	39.500	161	Tau Pup	2.9310	4500.0	79	34136	No
119	GOM_NL__2PRFIN20080909_212725_000000522072_00014_34136_4473.N1	09-SEP-2008 21:27:25	Dark	51.500	2	Alp Car	-0.73600	7000.0	103	34136	No
120	GOM_NL__2PRFIN20080909_213748_000000412072_00015_34137_4479.N1	09-SEP-2008 21:37:48	Dark	40.500	143	Alp Hyi	2.8570	7200.0	81	34137	No
121	GOM_NL__2PRFIN20080909_213911_000000532072_00015_34137_4480.N1	09-SEP-2008 21:39:11	Dark	52.500	9	Alp Eri	0.45300	24000.	105	34137	No
122	GOM_NL__2PRFIN20080909_214558_000000442072_00015_34137_4481.N1	09-SEP-2008 21:45:58	Straylight	44.000	63	Bet Gru	2.1500	2800.0	88	34137	No
123	GOM_NL__2PRFIN20080909_215033_000000422072_00015_34137_4482.N1	09-SEP-2008 21:50:33	Straylight	41.500	18	24Alp PsA	1.1660	9700.0	83	34137	No
124	GOM_NL__2PRFIN20080909_215929_000000372072_00015_34137_4483.N1	09-SEP-2008 21:59:29	Bright	36.500	162	34Alp Aqr	2.9440	5350.0	73	34137	No
125	GOM_NL__2PRFIN20080909_220227_000000382072_00015_34137_4484.N1	09-SEP-2008 22:02:27	Bright	37.500	61	8Eps Peg	2.1000	3900.0	75	34137	No
126	GOM_NL__2PRFIN20080909_220429_000000432072_00015_34137_4485.N1	09-SEP-2008 22:04:29	Bright	43.000	90	54Alp Peg	2.4870	11000.	86	34137	No
127	GOM_NL__2PRFIN20080909_220842_000000372072_00015_34137_4486.N1	09-SEP-2008 22:08:42	Bright	37.000	164	44Eta Peg	2.9480	5400.0	74	34137	No
128	GOM_NL__2PRFIN20080909_221720_000000362072_00015_34137_4487.N1	09-SEP-2008 22:17:20	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	34137	No
129	GOM_NL__2PRFIN20080909_222503_000000362072_00015_34137_4488.N1	09-SEP-2008 22:25:03	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	34137	No
130	GOM_NL__2PRFIN20080909_224221_000000592072_00015_34137_4489.N1	09-SEP-2008 22:42:21	Bright	59.000	24	66Alp Gem	1.5800	10200.	118	34137	No
131	GOM_NL__2PRFIN20080909_225034_000000542072_00015_34137_4490.N1	09-SEP-2008 22:50:34	Twilight	53.500	8	10Alp CMi	0.40000	6500.0	107	34137	No
132	GOM_NL__2PRFIN20080909_225901_000000592072_00015_34137_4491.N1	09-SEP-2008 22:59:01	Dark	58.500	1	9Alp CMa	-1.4400	11000.	117	34137	No
133	GOM_NL__2PRFIN20080909_230130_000000492072_00015_34137_4492.N1	09-SEP-2008 23:01:30	Dark	49.000	23	21Eps CMa	1.5020	26000.	98	34137	No
134	GOM_NL__2PRFIN20080909_230338_000000442072_00015_34137_4493.N1	09-SEP-2008 23:03:38	Dark	44.000	177	1Zet CMa	3.0220	26000.	88	34137	No
135	GOM_NL__2PRFIN20080909_230645_000000392072_00015_34137_4494.N1	09-SEP-2008 23:06:45	Dark	39.000	161	Tau Pup	2.9310	4500.0	78	34137	No
136	GOM_NL__2PRFIN20080909_230801_000000552072_00015_34137_4495.N1	09-SEP-2008 23:08:01	Dark	55.000	2	Alp Car	-0.73600	7000.0	110	34137	No
137	GOM_NL__2PRFIN20080909_231824_000000402072_00016_34138_4495.N1	09-SEP-2008 23:18:24	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	34138	No
138	GOM_NL__2PRFIN20080909_231947_000000442072_00016_34138_4496.N1	09-SEP-2008 23:19:47	Dark	44.000	9	Alp Eri	0.45300	24000.	88	34138	No
139	GOM_NL__2PRFIN20080909_232634_000000452072_00016_34138_4497.N1	09-SEP-2008 23:26:34	Straylight	45.000	63	Bet Gru	2.1500	2800.0	90	34138	No
140	GOM_NL__2PRFIN20080909_233109_000000402072_00016_34138_4498.N1	09-SEP-2008 23:31:09	Straylight	39.500	18	24Alp PsA	1.1660	9700.0	79	34138	No
141	GOM_NL__2PRFIN20080909_234004_000000372072_00016_34138_4499.N1	09-SEP-2008 23:40:04	Bright	37.000	162	34Alp Aqr	2.9440	5350.0	74	34138	No
142	GOM_NL__2PRFIN20080909_234303_000000372072_00016_34138_4500.N1	09-SEP-2008 23:43:03	Bright	37.000	61	8Eps Peg	2.1000	3900.0	74	34138	No
143	GOM_NL__2PRFIN20080909_234504_000000432072_00016_34138_4501.N1	09-SEP-2008 23:45:04	Bright	42.500	90	54Alp Peg	2.4870	11000.	85	34138	No
144	GOM_NL__2PRFIN20080909_234918_000000412072_00016_34138_4502.N1	09-SEP-2008 23:49:18	Bright	40.500	164	44Eta Peg	2.9480	5400.0	81	34138	No
145	GOM_NL__2PRFIN20080909_235756_000000342072_00016_34138_4503.N1	09-SEP-2008 23:57:56	Bright	34.000	89	5Alp Cep	2.4510	8000.0	68	34138	No

3. Quality information per product

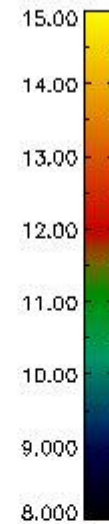
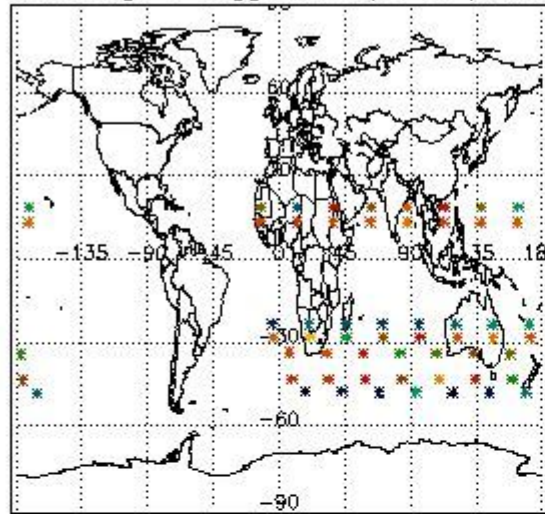
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

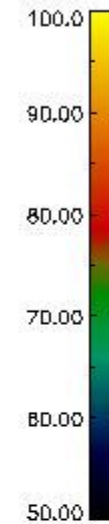
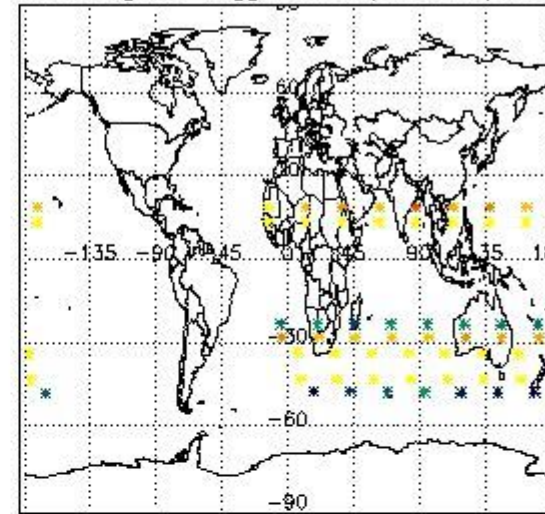


3.2 Plot quality information per product (world map)

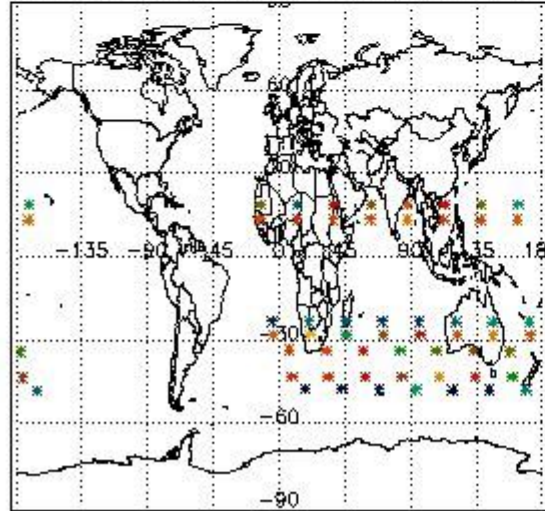
Percentage of flagged data per O3 profile



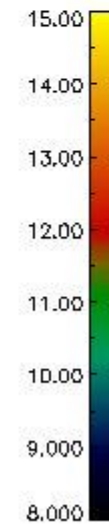
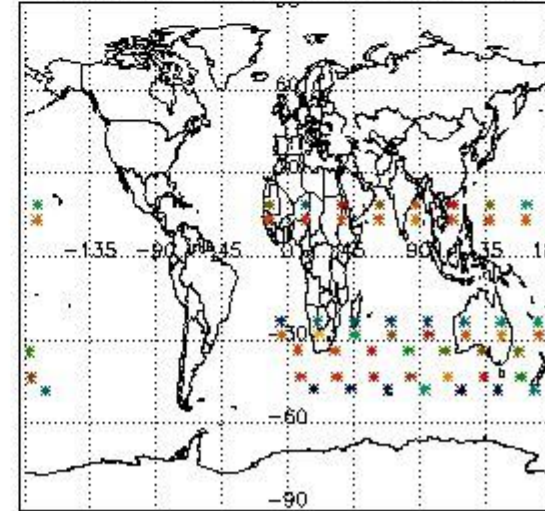
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

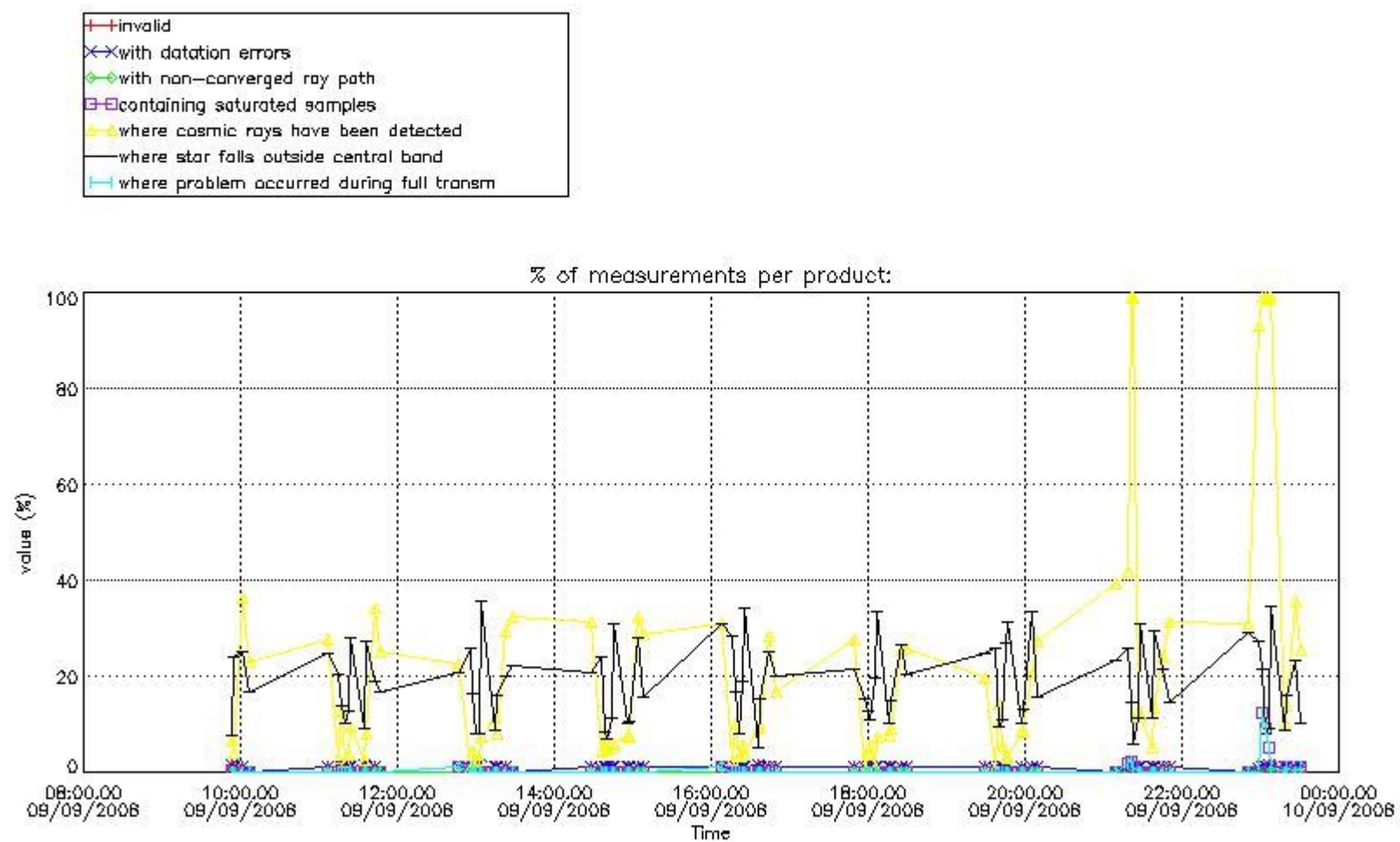


4. Level 1 quality information per product

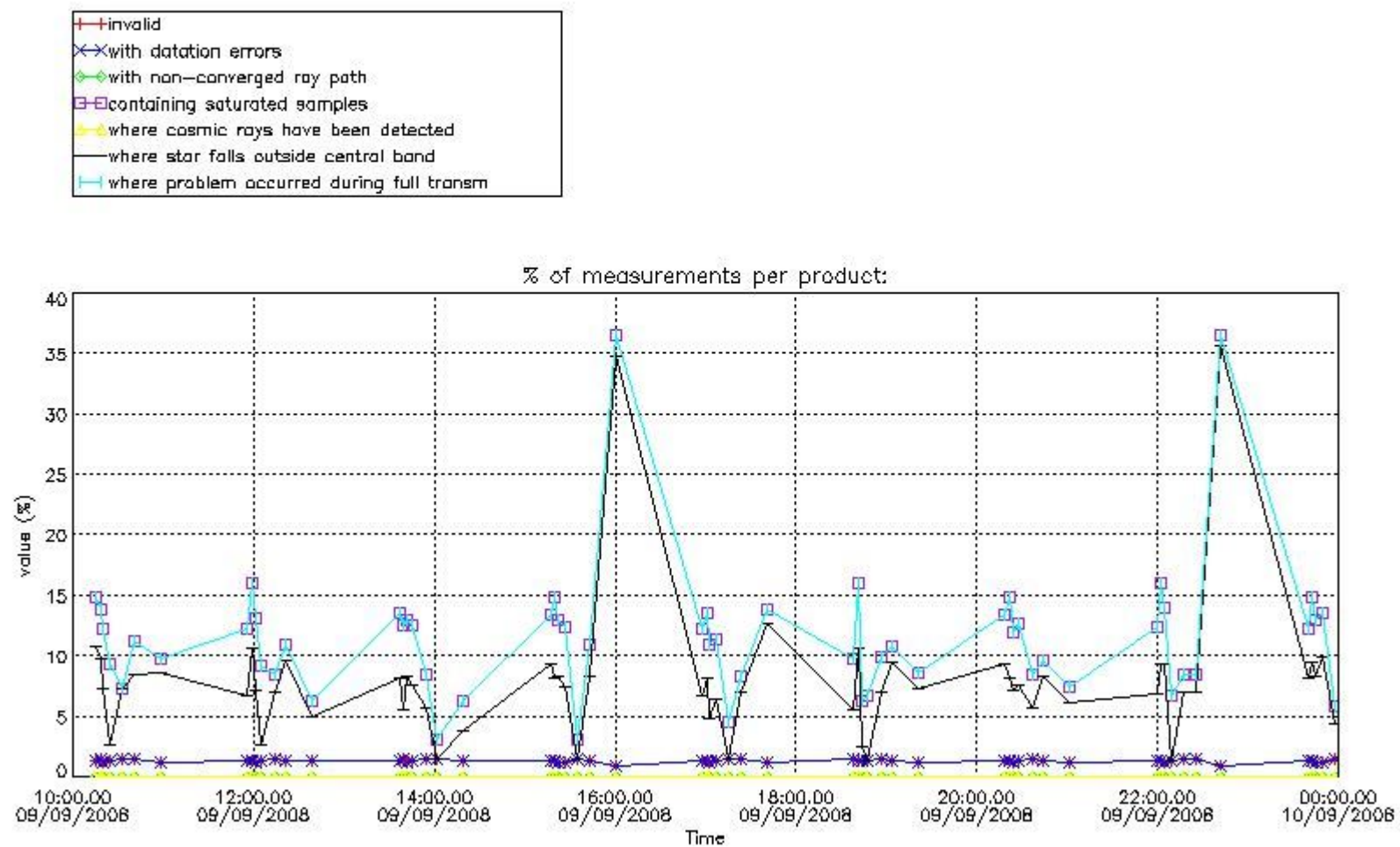
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

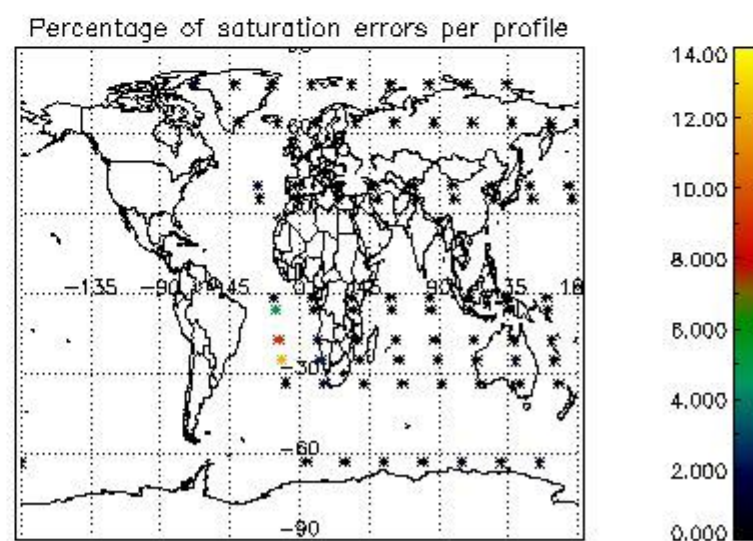
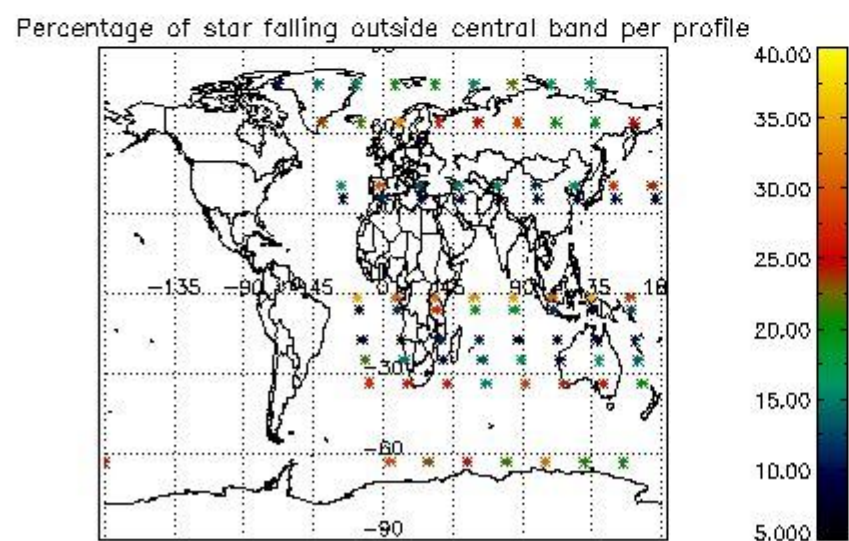
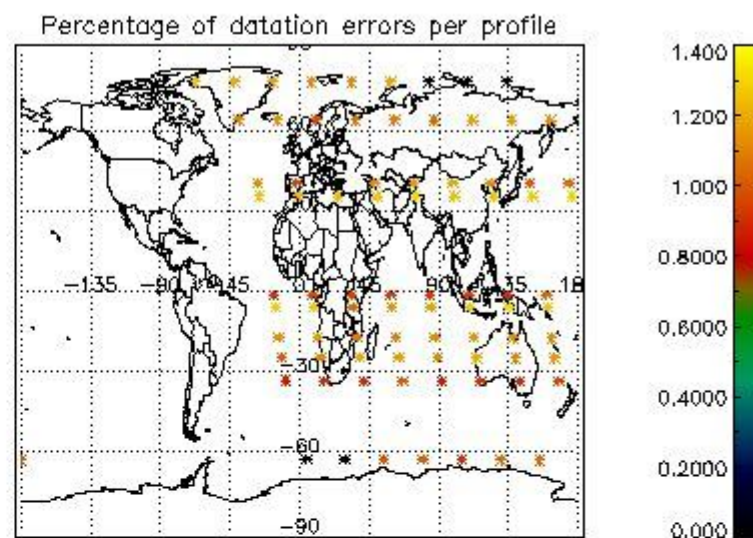
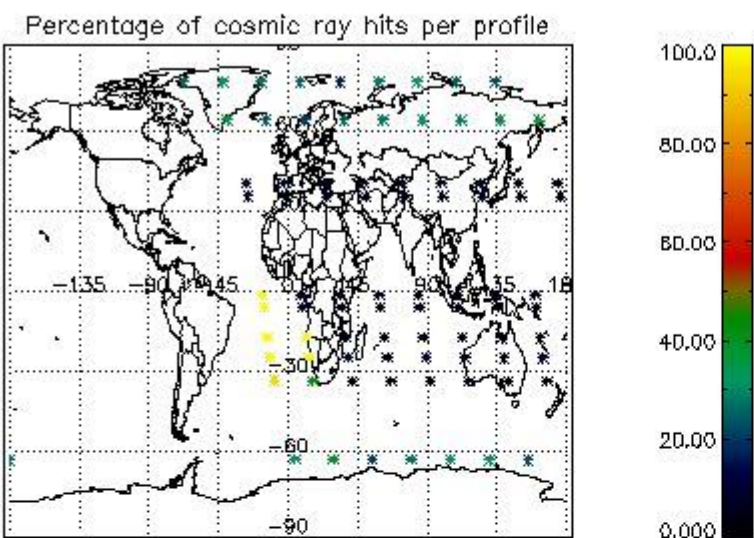


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

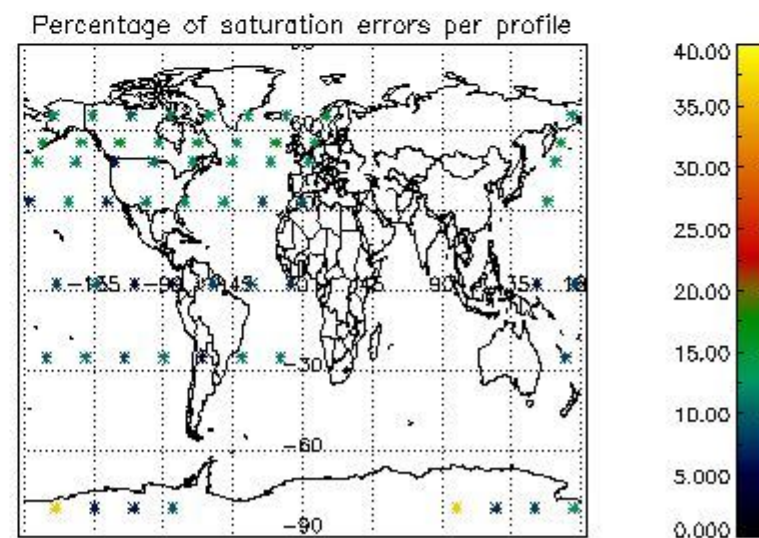
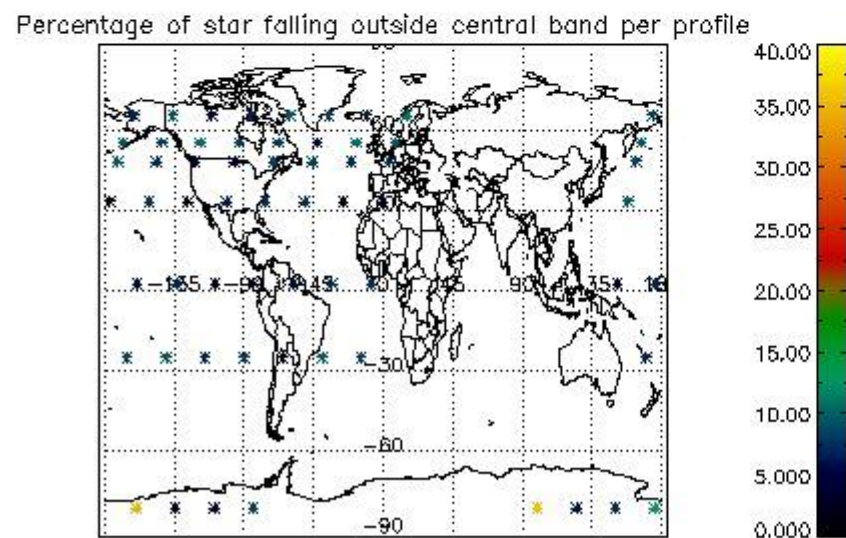
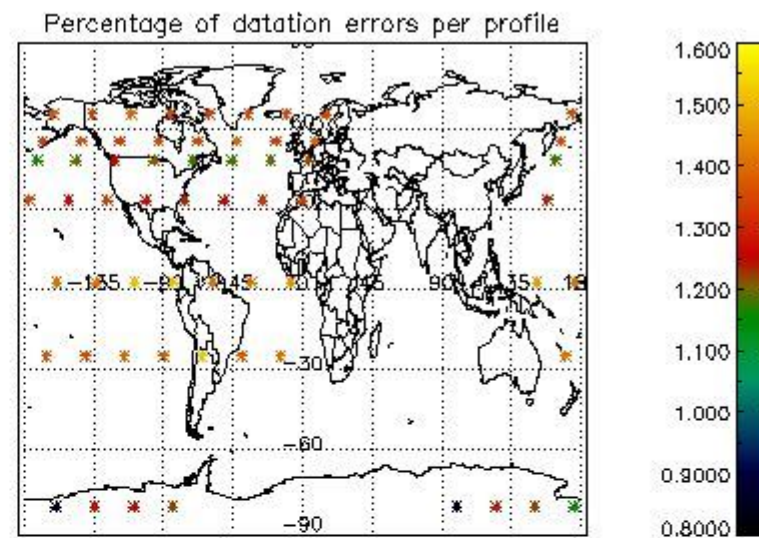
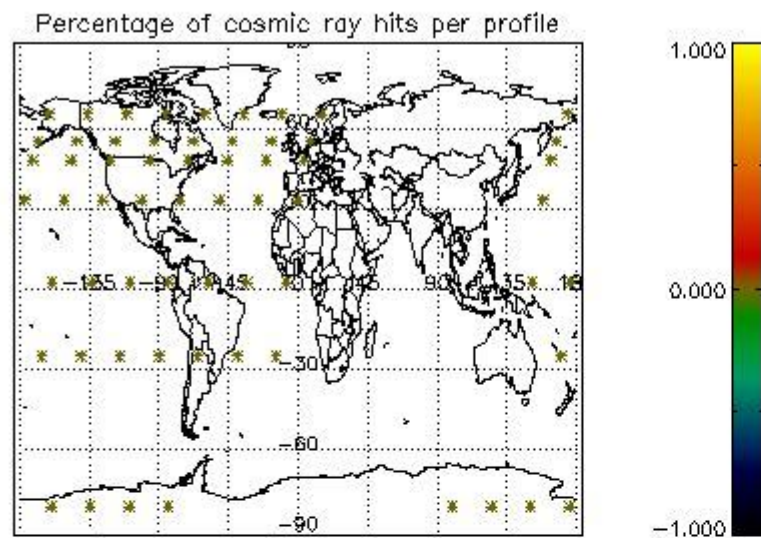


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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

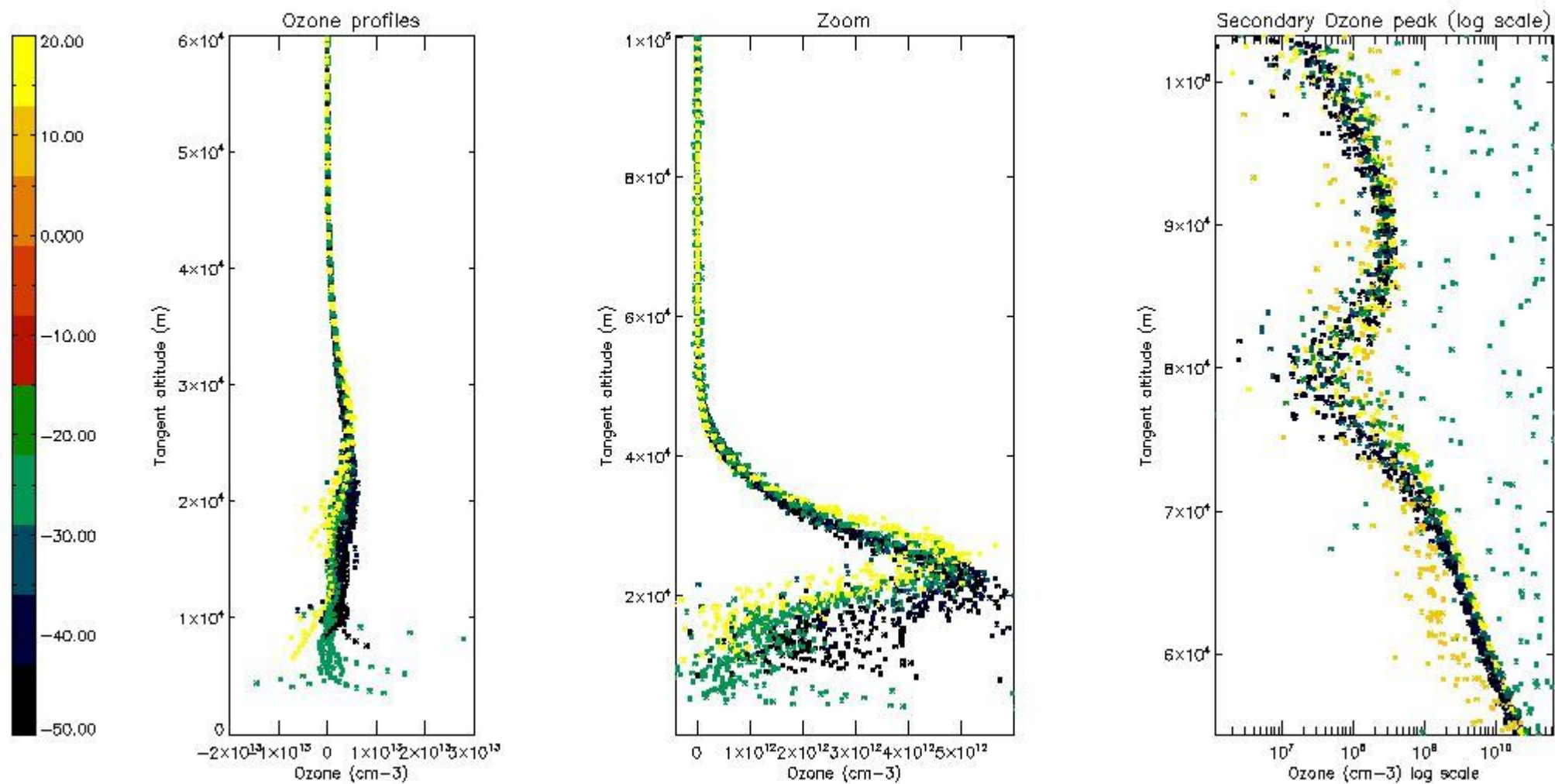
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	44
STD < 20	26

STD < 10	21
STD < 5	16

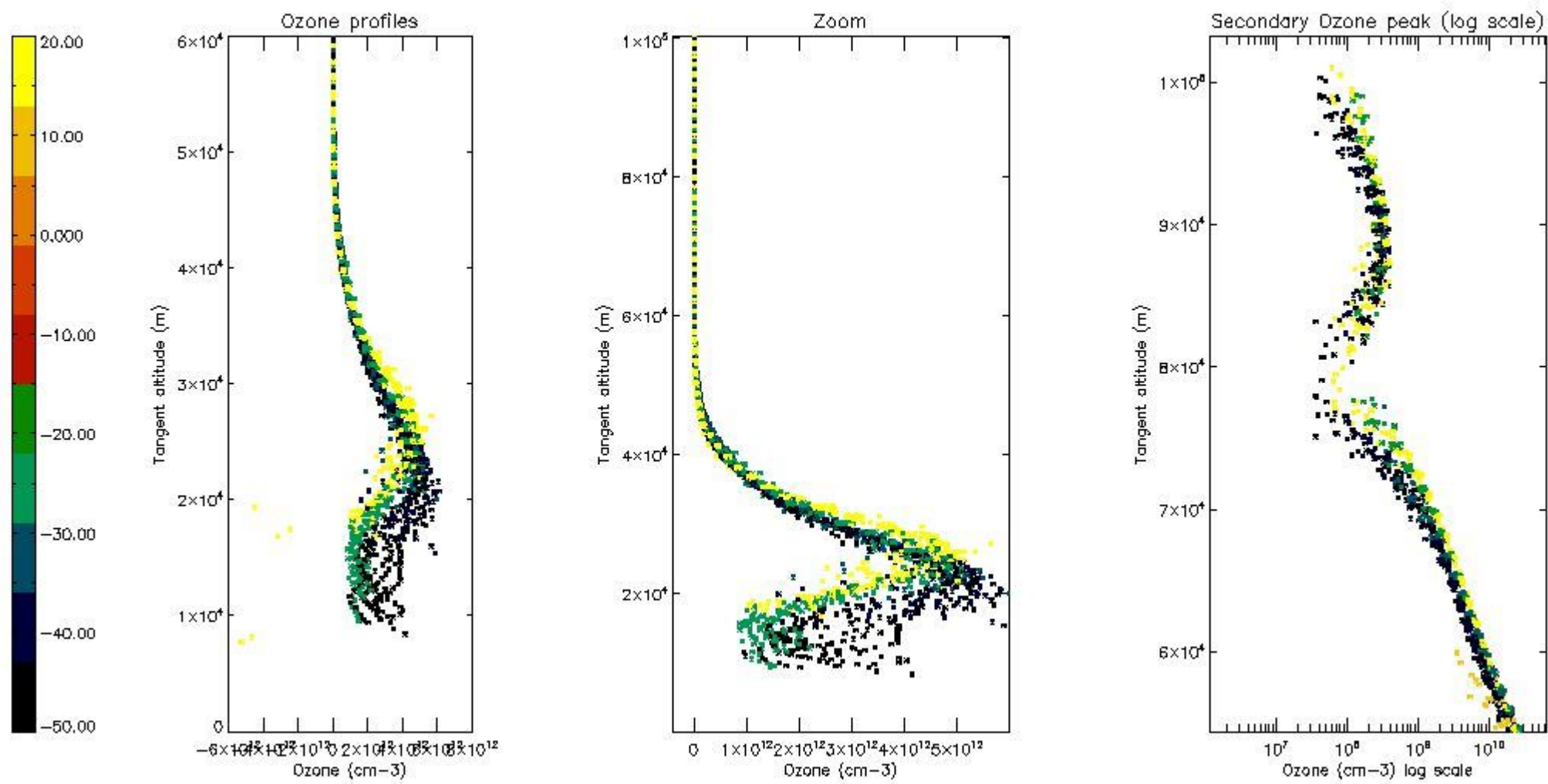
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



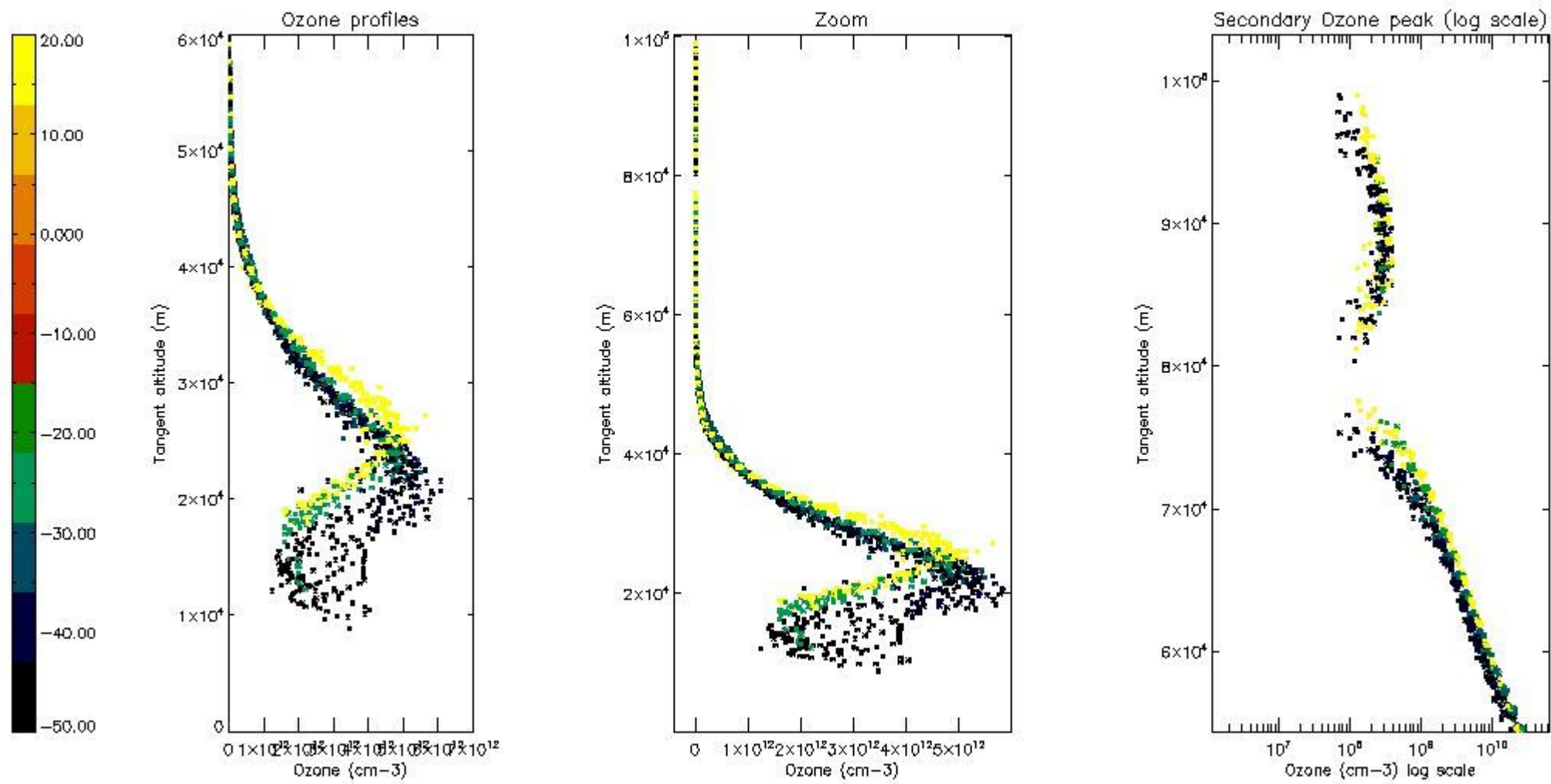
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



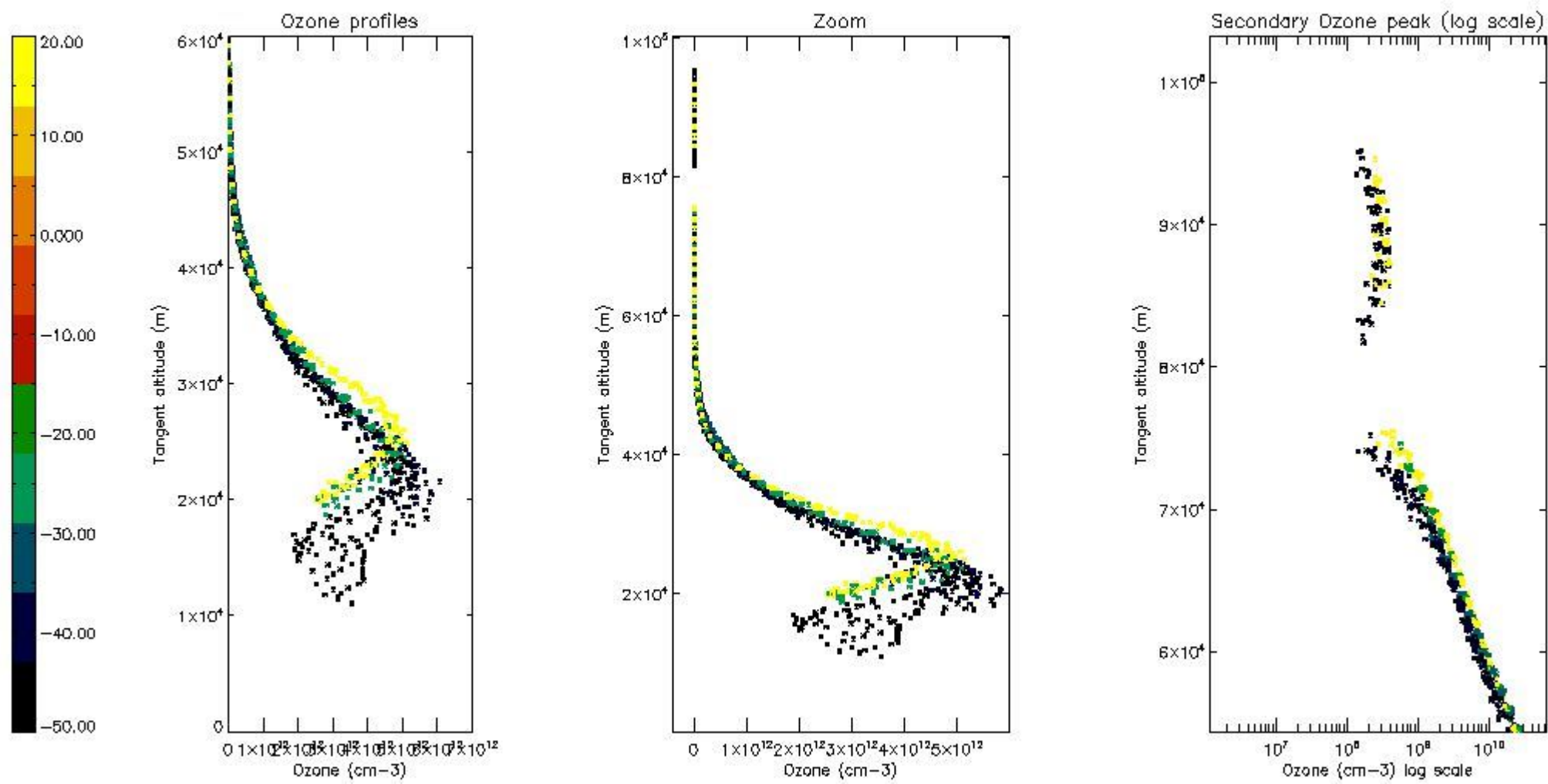
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



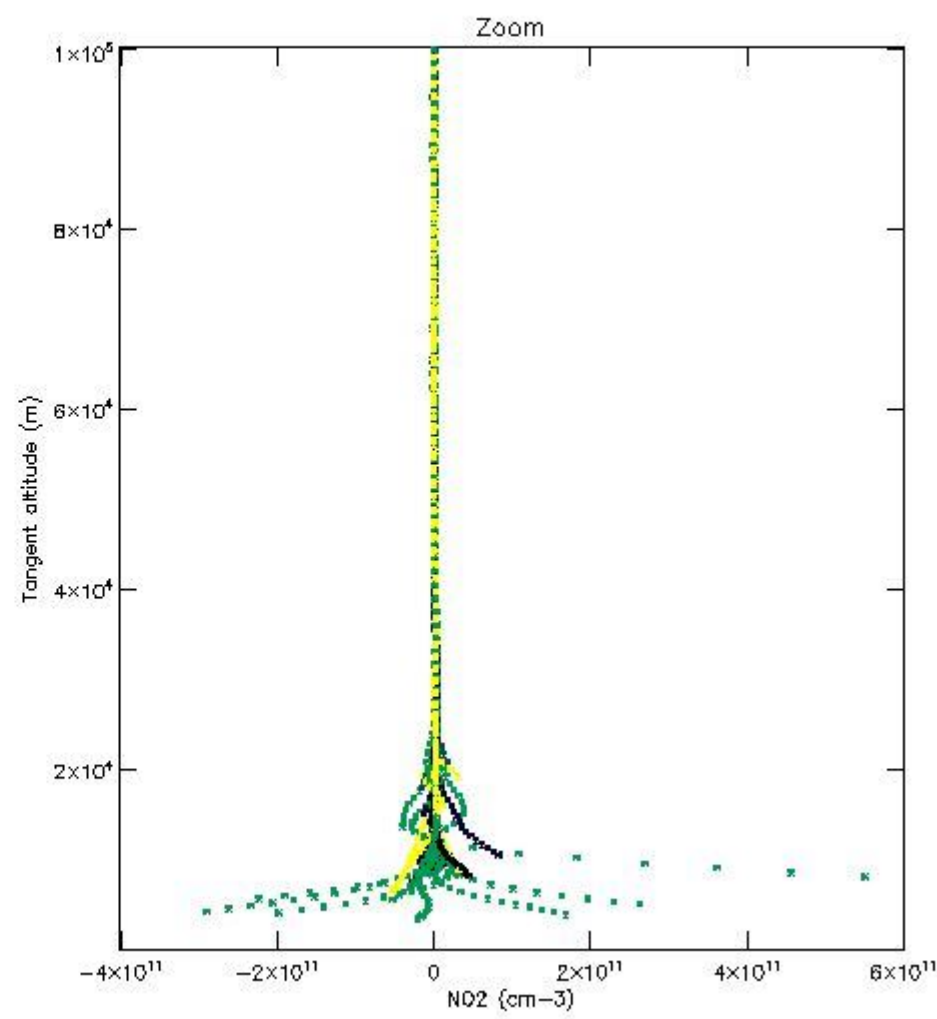
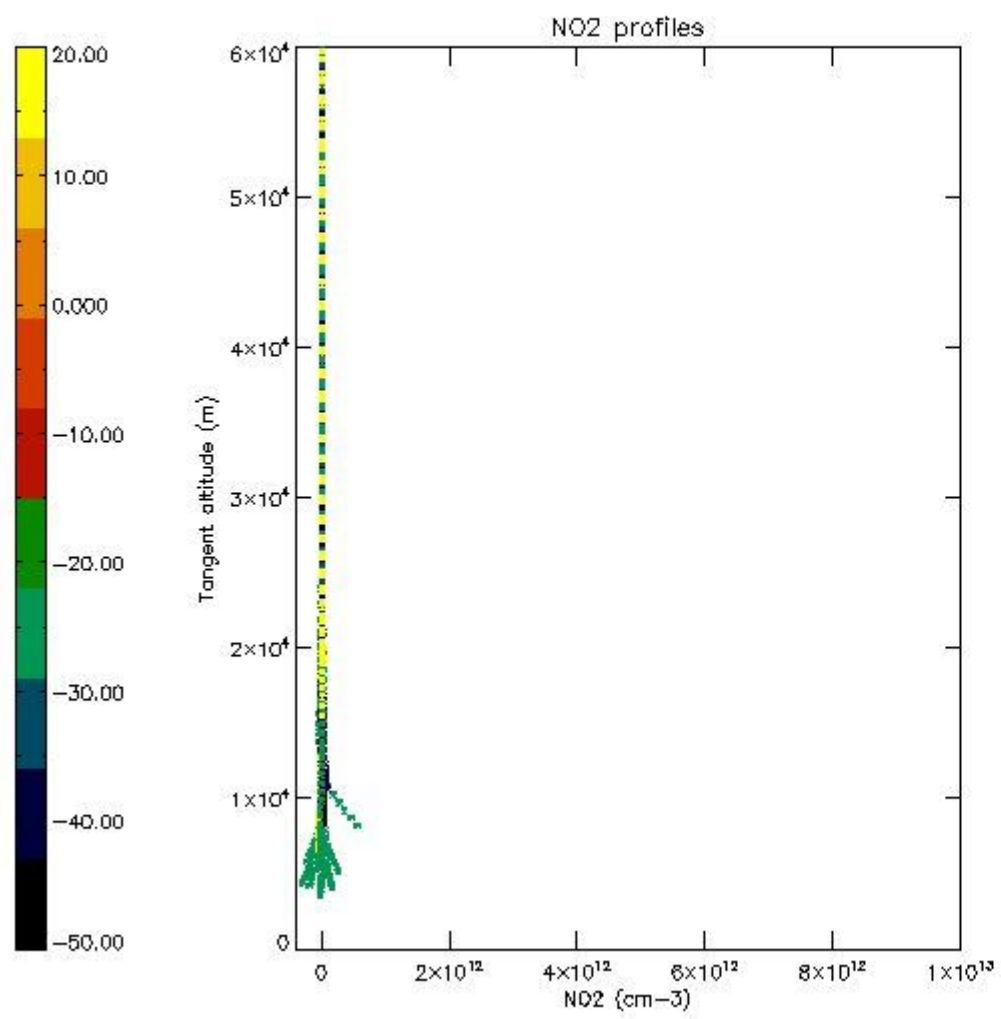
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



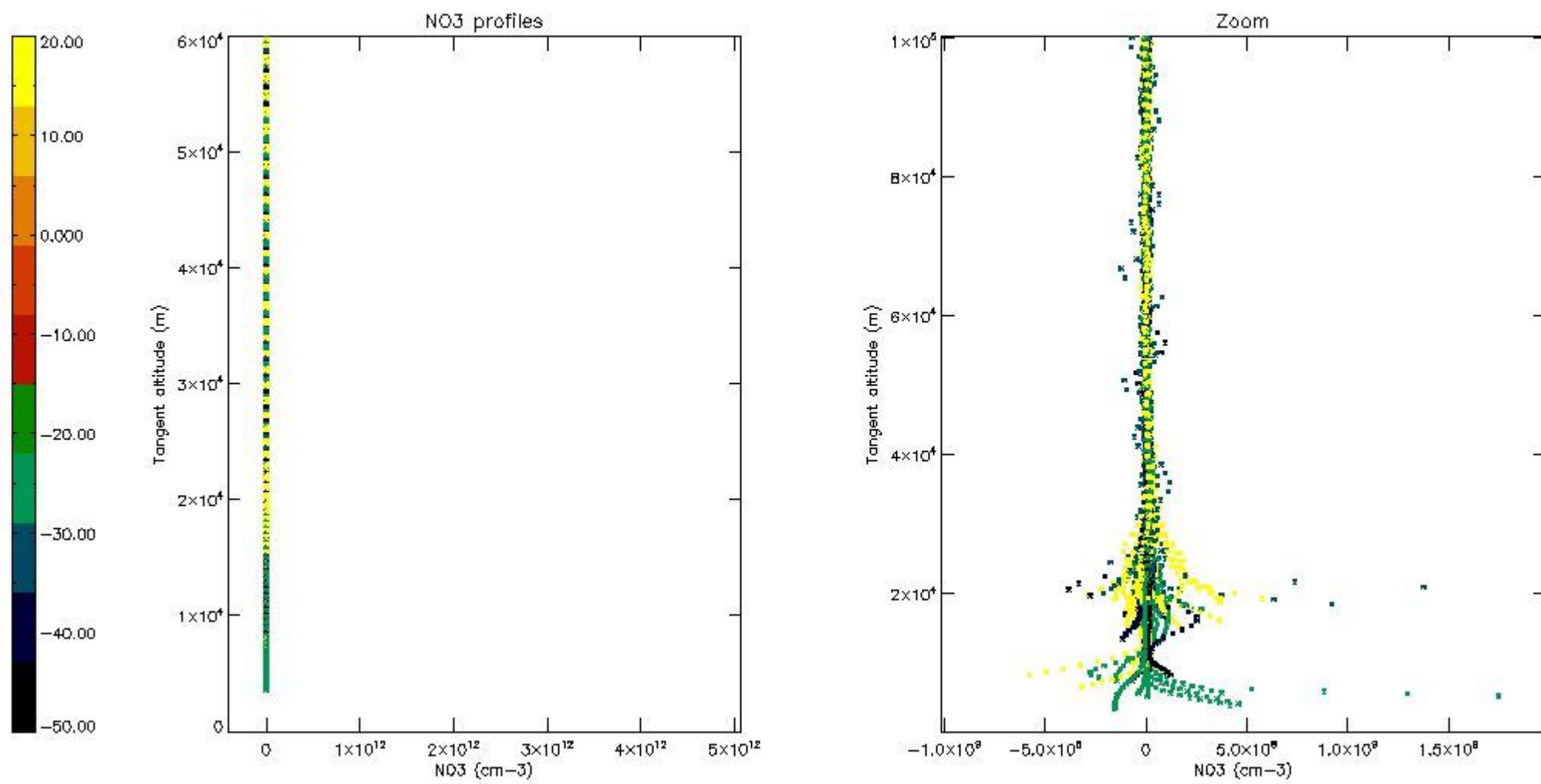
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



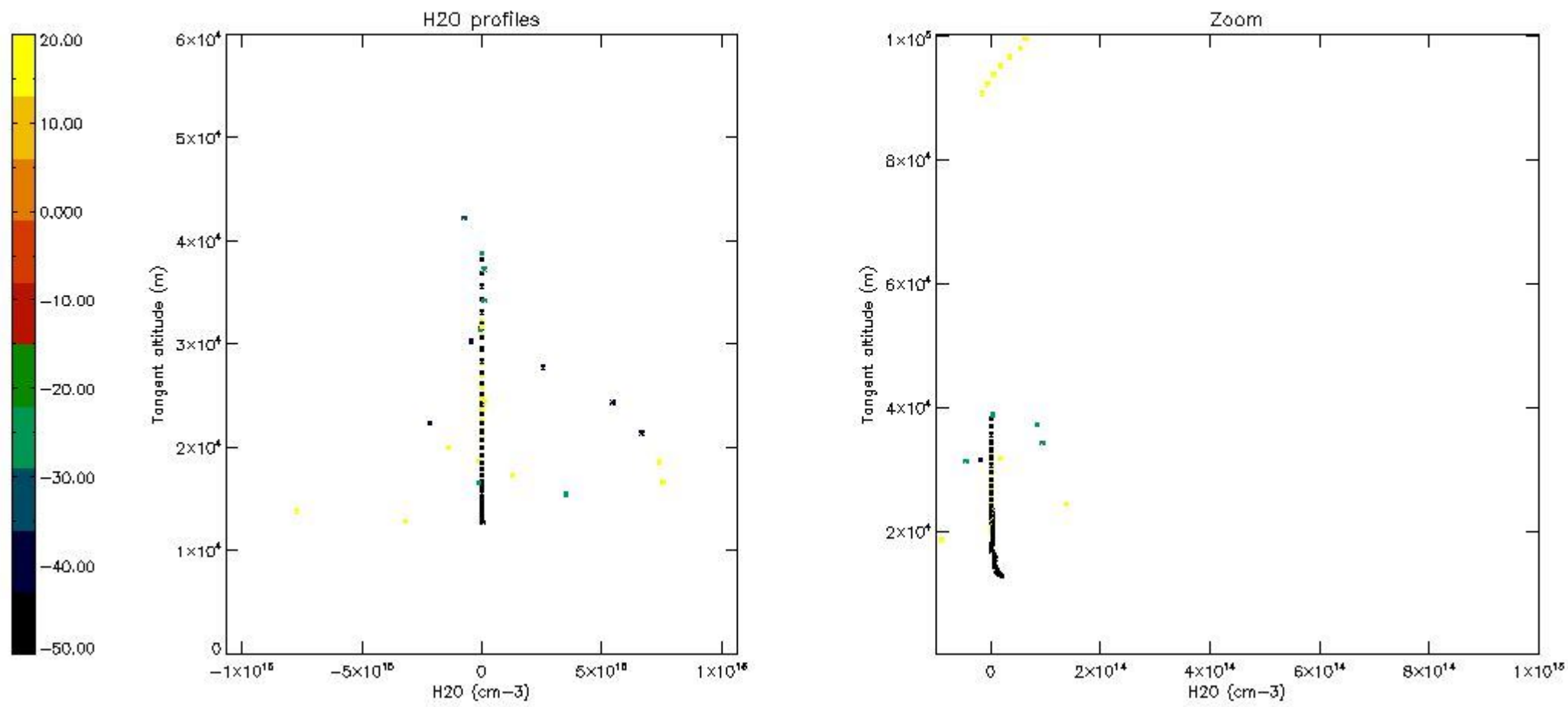
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	09-SEP-2008 09:53:33
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	09-SEP-2008 09:53:33
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	09-SEP-2008 09:53:33

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	25APR2013 19:46:20
Data source version	GOMOS/6.01
Start time of products	09-09-2008 (09SEP2008 00:00:00)
Stop time of products	10-09-2008 (10SEP2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	145
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__2PRFIN20080909_095333_000000392072_00008_34130_4325.N1	09-SEP-2008 09:53:33	Dark	38.500	143	Alp Hyi	2.8570	7200.0	77	34130	No
2	GOM_NL__2PRFIN20080909_095456_000000482072_00008_34130_4326.N1	09-SEP-2008 09:54:56	Dark	48.000	9	Alp Eri	0.45300	24000.	96	34130	No
3	GOM_NL__2PRFIN20080909_100145_000000442072_00008_34130_4327.N1	09-SEP-2008 10:01:45	Straylight	44.000	63	Bet Gru	2.1500	2800.0	88	34130	No
4	GOM_NL__2PRFIN20080909_100621_000000422072_00008_34130_4328.N1	09-SEP-2008 10:06:21	Straylight	41.500	18	24Alp PsA	1.1660	9700.0	83	34130	No
5	GOM_NL__2PRFIN20080909_101518_000000372072_00008_34130_4329.N1	09-SEP-2008 10:15:18	Bright	37.000	162	34Alp Aqr	2.9440	5350.0	74	34130	No
6	GOM_NL__2PRFIN20080909_101816_000000362072_00008_34130_4330.N1	09-SEP-2008 10:18:16	Bright	36.000	61	8Eps Peg	2.1000	3900.0	72	34130	No
7	GOM_NL__2PRFIN20080909_102020_000000412072_00008_34130_4331.N1	09-SEP-2008 10:20:20	Bright	41.000	90	54Alp Peg	2.4870	11000.	82	34130	No
8	GOM_NL__2PRFIN20080909_102434_000000382072_00008_34130_4332.N1	09-SEP-2008 10:24:34	Bright	37.500	164	44Eta Peg	2.9480	5400.0	75	34130	No
9	GOM_NL__2PRFIN20080909_103309_000000352072_00008_34130_4333.N1	09-SEP-2008 10:33:09	Bright	34.500	89	5Alp Cep	2.4510	8000.0	69	34130	No
10	GOM_NL__2PRFIN20080909_104052_000000362072_00008_34130_4334.N1	09-SEP-2008 10:40:52	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	34130	No
11	GOM_NL__2PRFIN20080909_105809_000000412072_00008_34130_4335.N1	09-SEP-2008 10:58:09	Bright	41.000	24	66Alp Gem	1.5800	10200.	82	34130	No
12	GOM_NL__2PRFIN20080909_110620_000000512072_00008_34130_4336.N1	09-SEP-2008 11:06:20	Twilight	50.500	8	10Alp CMi	0.40000	6500.0	101	34130	No
13	GOM_NL__2PRFIN20080909_111444_000000522072_00008_34130_4337.N1	09-SEP-2008 11:14:44	Dark	52.000	1	9Alp CMa	-1.4400	11000.	104	34130	No
14	GOM_NL__2PRFIN20080909_111714_000000432072_00008_34130_4338.N1	09-SEP-2008 11:17:14	Dark	43.000	23	21Eps CMa	1.5020	26000.	86	34130	No
15	GOM_NL__2PRFIN20080909_111920_000000452072_00008_34130_4339.N1	09-SEP-2008 11:19:20	Dark	45.000	177	1Zet CMa	3.0220	26000.	90	34130	No
16	GOM_NL__2PRFIN20080909_112231_000000402072_00008_34130_4340.N1	09-SEP-2008 11:22:31	Dark	39.500	161	Tau Pup	2.9310	4500.0	79	34130	No
17	GOM_NL__2PRFIN20080909_112346_000000492072_00008_34130_4341.N1	09-SEP-2008 11:23:46	Dark	48.500	2	Alp Car	-0.73600	7000.0	97	34130	No
18	GOM_NL__2PRFIN20080909_113410_000000392072_00009_34131_4338.N1	09-SEP-2008 11:34:10	Dark	39.000	143	Alp Hyi	2.8570	7200.0	78	34131	No
19	GOM_NL__2PRFIN20080909_113532_000000502072_00009_34131_4339.N1	09-SEP-2008 11:35:32	Dark	49.500	9	Alp Eri	0.45300	24000.	99	34131	No
20	GOM_NL__2PRFIN20080909_114221_000000432072_00009_34131_4340.N1	09-SEP-2008 11:42:21	Straylight	42.500	63	Bet Gru	2.1500	2800.0	85	34131	No
21	GOM_NL__2PRFIN20080909_114656_000000422072_00009_34131_4341.N1	09-SEP-2008 11:46:56	Straylight	42.000	18	24Alp PsA	1.1660	9700.0	84	34131	No
22	GOM_NL__2PRFIN20080909_115553_000000372072_00009_34131_4342.N1	09-SEP-2008 11:55:53	Bright	37.000	162	34Alp Aqr	2.9440	5350.0	74	34131	No
23	GOM_NL__2PRFIN20080909_115852_000000382072_00009_34131_4343.N1	09-SEP-2008 11:58:52	Bright	37.500	61	8Eps Peg	2.1000	3900.0	75	34131	No
24	GOM_NL__2PRFIN20080909_120055_000000422072_00009_34131_4344.N1	09-SEP-2008 12:00:55	Bright	42.000	90	54Alp Peg	2.4870	11000.	84	34131	No
25	GOM_NL__2PRFIN20080909_120509_000000382072_00009_34131_4345.N1	09-SEP-2008 12:05:09	Bright	38.000	164	44Eta Peg	2.9480	5400.0	76	34131	No
26	GOM_NL__2PRFIN20080909_121344_000000362072_00009_34131_4346.N1	09-SEP-2008 12:13:44	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	34131	No
27	GOM_NL__2PRFIN20080909_122128_000000372072_00009_34131_4347.N1	09-SEP-2008 12:21:28	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	34131	No
28	GOM_NL__2PRFIN20080909_123845_000000402072_00009_34131_4348.N1	09-SEP-2008 12:38:45	Bright	40.000	24	66Alp Gem	1.5800	10200.	80	34131	No
29	GOM_NL__2PRFIN20080909_124656_000000492072_00009_34131_4349.N1	09-SEP-2008 12:46:56	Twilight	48.500	8	10Alp CMi	0.40000	6500.0	97	34131	No
30	GOM_NL__2PRFIN20080909_125521_000000562072_00009_34131_4350.N1	09-SEP-2008 12:55:21	Dark	56.000	1	9Alp CMa	-1.4400	11000.	112	34131	No
31	GOM_NL__2PRFIN20080909_125750_000000462072_00009_34131_4351.N1	09-SEP-2008 12:57:50	Dark	45.500	23	21Eps CMa	1.5020	26000.	91	34131	No
32	GOM_NL__2PRFIN20080909_125957_000000442072_00009_34131_4352.N1	09-SEP-2008 12:59:57	Dark	44.000	177	1Zet CMa	3.0220	26000.	88	34131	No
33	GOM_NL__2PRFIN20080909_130307_000000382072_00009_34131_4353.N1	09-SEP-2008 13:03:07	Dark	38.000	161	Tau Pup	2.9310	4500.0	76	34131	No
34	GOM_NL__2PRFIN20080909_130422_000000552072_00009_34131_4354.N1	09-SEP-2008 13:04:22	Dark	55.000	2	Alp Car	-0.73600	7000.0	110	34131	No
35	GOM_NL__2PRFIN20080909_131445_000000402072_00010_34132_4358.N1	09-SEP-2008 13:14:45	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	34132	No
36	GOM_NL__2PRFIN20080909_131608_000000442072_00010_34132_4359.N1	09-SEP-2008 13:16:08	Dark	44.000	9	Alp Eri	0.45300	24000.	88	34132	No
37	GOM_NL__2PRFIN20080909_132257_000000432072_00010_34132_4360.N1	09-SEP-2008 13:22:57	Straylight	42.500	63	Bet Gru	2.1500	2800.0	85	34132	No
38	GOM_NL__2PRFIN20080909_132732_000000452072_00010_34132_4361.N1	09-SEP-2008 13:27:32	Straylight	45.000	18	24Alp PsA	1.1660	9700.0	90	34132	No
39	GOM_NL__2PRFIN20080909_133629_000000372072_00010_34132_4362.N1	09-SEP-2008 13:36:29	Bright	37.000	162	34Alp Aqr	2.9440	5350.0	74	34132	No
40	GOM_NL__2PRFIN20080909_133927_000000362072_00010_34132_4363.N1	09-SEP-2008 13:39:27	Bright	36.000	61	8Eps Peg	2.1000	3900.0	72	34132	No
41	GOM_NL__2PRFIN20080909_134130_000000432072_00010_34132_4364.N1	09-SEP-2008 13:41:30	Bright	42.500	90	54Alp Peg	2.4870	11000.	85	34132	No
42	GOM_NL__2PRFIN20080909_134544_000000402072_00010_34132_4365.N1	09-SEP-2008 13:45:44	Bright	40.000	164	44Eta Peg	2.9480	5400.0	80	34132	No

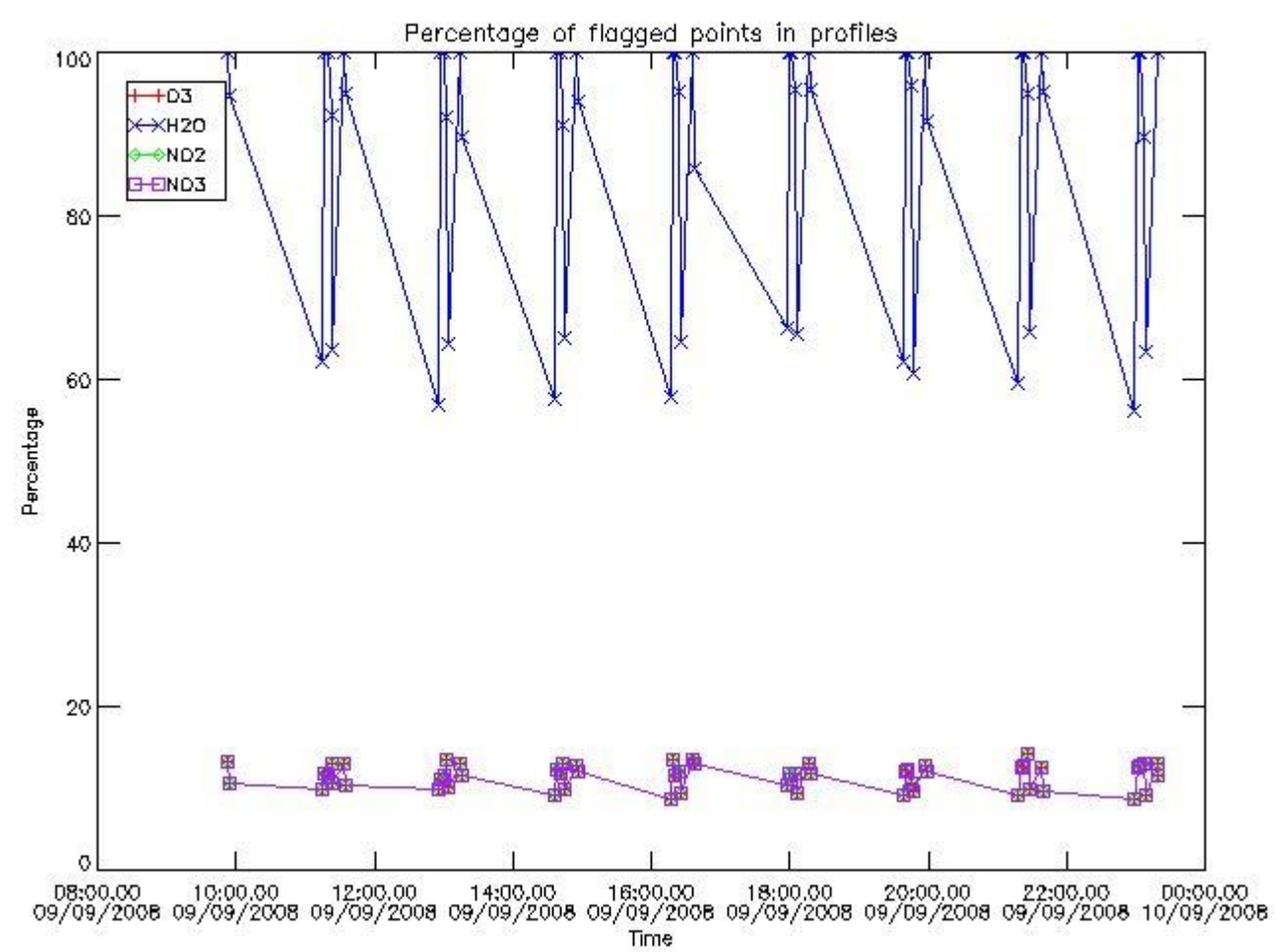
43	GOM_NL__2PRFIN20080909_135420_000000362072_00010_34132_4366.N1	09-SEP-2008 13:54:20	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	34132	No
44	GOM_NL__2PRFIN20080909_140203_000000332072_00010_34132_4367.N1	09-SEP-2008 14:02:03	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	34132	No
45	GOM_NL__2PRFIN20080909_141921_000000402072_00010_34132_4368.N1	09-SEP-2008 14:19:21	Bright	40.000	24	66Alp Gem	1.5800	10200.	80	34132	No
46	GOM_NL__2PRFIN20080909_142732_000000482072_00010_34132_4369.N1	09-SEP-2008 14:27:32	Twilight	48.000	8	10Alp CMi	0.40000	6500.0	96	34132	No
47	GOM_NL__2PRFIN20080909_143557_000000562072_00010_34132_4370.N1	09-SEP-2008 14:35:57	Dark	56.000	1	9Alp CMa	-1.4400	11000.	112	34132	No
48	GOM_NL__2PRFIN20080909_143827_000000422072_00010_34132_4371.N1	09-SEP-2008 14:38:27	Dark	41.500	23	21Eps CMa	1.5020	26000.	83	34132	No
49	GOM_NL__2PRFIN20080909_144034_000000442072_00010_34132_4372.N1	09-SEP-2008 14:40:34	Dark	43.500	177	1Zet CMa	3.0220	26000.	87	34132	No
50	GOM_NL__2PRFIN20080909_144343_000000402072_00010_34132_4373.N1	09-SEP-2008 14:43:43	Dark	39.500	161	Tau Pup	2.9310	4500.0	79	34132	No
51	GOM_NL__2PRFIN20080909_144459_000000522072_00010_34132_4374.N1	09-SEP-2008 14:44:59	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	34132	No
52	GOM_NL__2PRFIN20080909_145522_000000402072_00011_34133_4380.N1	09-SEP-2008 14:55:22	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	34133	No
53	GOM_NL__2PRFIN20080909_145645_000000422072_00011_34133_4381.N1	09-SEP-2008 14:56:45	Dark	42.000	9	Alp Eri	0.45300	24000.	84	34133	No
54	GOM_NL__2PRFIN20080909_150333_000000482072_00011_34133_4382.N1	09-SEP-2008 15:03:33	Straylight	48.000	63	Bet Gru	2.1500	2800.0	96	34133	No
55	GOM_NL__2PRFIN20080909_150808_000000422072_00011_34133_4383.N1	09-SEP-2008 15:08:08	Straylight	42.000	18	24Alp PsA	1.1660	9700.0	84	34133	No
56	GOM_NL__2PRFIN20080909_151705_000000382072_00011_34133_4384.N1	09-SEP-2008 15:17:05	Bright	37.500	162	34Alp Aqr	2.9440	5350.0	75	34133	No
57	GOM_NL__2PRFIN20080909_152003_000000372072_00011_34133_4385.N1	09-SEP-2008 15:20:03	Bright	37.000	61	8Eps Peg	2.1000	3900.0	74	34133	No
58	GOM_NL__2PRFIN20080909_152206_000000432072_00011_34133_4386.N1	09-SEP-2008 15:22:06	Bright	42.500	90	54Alp Peg	2.4870	11000.	85	34133	No
59	GOM_NL__2PRFIN20080909_152620_000000412072_00011_34133_4387.N1	09-SEP-2008 15:26:20	Bright	40.500	164	44Eta Peg	2.9480	5400.0	81	34133	No
60	GOM_NL__2PRFIN20080909_153456_000000332072_00011_34133_4388.N1	09-SEP-2008 15:34:56	Bright	33.000	89	5Alp Cep	2.4510	8000.0	66	34133	No
61	GOM_NL__2PRFIN20080909_154239_000000372072_00011_34133_4389.N1	09-SEP-2008 15:42:39	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	34133	No
62	GOM_NL__2PRFIN20080909_155957_000000592072_00011_34133_4390.N1	09-SEP-2008 15:59:57	Bright	59.000	24	66Alp Gem	1.5800	10200.	118	34133	No
63	GOM_NL__2PRFIN20080909_160808_000000552072_00011_34133_4391.N1	09-SEP-2008 16:08:08	Twilight	55.000	8	10Alp CMi	0.40000	6500.0	110	34133	No
64	GOM_NL__2PRFIN20080909_161634_000000592072_00011_34133_4392.N1	09-SEP-2008 16:16:34	Dark	58.500	1	9Alp CMa	-1.4400	11000.	117	34133	No
65	GOM_NL__2PRFIN20080909_161903_000000452072_00011_34133_4393.N1	09-SEP-2008 16:19:03	Dark	45.000	23	21Eps CMa	1.5020	26000.	90	34133	No
66	GOM_NL__2PRFIN20080909_162110_000000452072_00011_34133_4394.N1	09-SEP-2008 16:21:10	Dark	44.500	177	1Zet CMa	3.0220	26000.	89	34133	No
67	GOM_NL__2PRFIN20080909_162420_000000432072_00011_34133_4395.N1	09-SEP-2008 16:24:20	Dark	42.500	161	Tau Pup	2.9310	4500.0	85	34133	No
68	GOM_NL__2PRFIN20080909_162535_000000542072_00011_34133_4396.N1	09-SEP-2008 16:25:35	Dark	54.000	2	Alp Car	-0.73600	7000.0	108	34133	No
69	GOM_NL__2PRFIN20080909_163558_000000382072_00012_34134_4399.N1	09-SEP-2008 16:35:58	Dark	38.000	143	Alp Hyi	2.8570	7200.0	76	34134	No
70	GOM_NL__2PRFIN20080909_163721_000000432072_00012_34134_4400.N1	09-SEP-2008 16:37:21	Dark	43.000	9	Alp Eri	0.45300	24000.	86	34134	No
71	GOM_NL__2PRFIN20080909_164409_000000462072_00012_34134_4401.N1	09-SEP-2008 16:44:09	Straylight	46.000	63	Bet Gru	2.1500	2800.0	92	34134	No
72	GOM_NL__2PRFIN20080909_164844_000000452072_00012_34134_4402.N1	09-SEP-2008 16:48:44	Straylight	45.000	18	24Alp PsA	1.1660	9700.0	90	34134	No
73	GOM_NL__2PRFIN20080909_165741_000000372072_00012_34134_4403.N1	09-SEP-2008 16:57:41	Bright	37.000	162	34Alp Aqr	2.9440	5350.0	74	34134	No
74	GOM_NL__2PRFIN20080909_170039_000000372072_00012_34134_4404.N1	09-SEP-2008 17:00:39	Bright	37.000	61	8Eps Peg	2.1000	3900.0	74	34134	No
75	GOM_NL__2PRFIN20080909_170242_000000422072_00012_34134_4405.N1	09-SEP-2008 17:02:42	Bright	41.500	90	54Alp Peg	2.4870	11000.	83	34134	No
76	GOM_NL__2PRFIN20080909_170655_000000402072_00012_34134_4406.N1	09-SEP-2008 17:06:55	Bright	39.500	164	44Eta Peg	2.9480	5400.0	79	34134	No
77	GOM_NL__2PRFIN20080909_171532_000000332072_00012_34134_4407.N1	09-SEP-2008 17:15:32	Bright	33.000	89	5Alp Cep	2.4510	8000.0	66	34134	No
78	GOM_NL__2PRFIN20080909_172315_000000362072_00012_34134_4408.N1	09-SEP-2008 17:23:15	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	34134	No
79	GOM_NL__2PRFIN20080909_174033_000000442072_00012_34134_4409.N1	09-SEP-2008 17:40:33	Bright	43.500	24	66Alp Gem	1.5800	10200.	87	34134	No
80	GOM_NL__2PRFIN20080909_174845_000000492072_00012_34134_4410.N1	09-SEP-2008 17:48:45	Twilight	49.000	8	10Alp CMi	0.40000	6500.0	98	34134	No
81	GOM_NL__2PRFIN20080909_175711_000000502072_00012_34134_4411.N1	09-SEP-2008 17:57:11	Dark	49.500	1	9Alp CMa	-1.4400	11000.	99	34134	No
82	GOM_NL__2PRFIN20080909_175940_000000432072_00012_34134_4412.N1	09-SEP-2008 17:59:40	Dark	43.000	23	21Eps CMa	1.5020	26000.	86	34134	No
83	GOM_NL__2PRFIN20080909_180147_000000462072_00012_34134_4413.N1	09-SEP-2008 18:01:47	Dark	46.000	177	1Zet CMa	3.0220	26000.	92	34134	No
84	GOM_NL__2PRFIN20080909_180456_000000442072_00012_34134_4414.N1	09-SEP-2008 18:04:56	Dark	43.500	161	Tau Pup	2.9310	4500.0	87	34134	No
85	GOM_NL__2PRFIN20080909_180612_000000542072_00012_34134_4415.N1	09-SEP-2008 18:06:12	Dark	54.000	2	Alp Car	-0.73600	7000.0	108	34134	No
86	GOM_NL__2PRFIN20080909_181635_000000402072_00013_34135_4439.N1	09-SEP-2008 18:16:35	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	34135	No
87	GOM_NL__2PRFIN20080909_181758_000000442072_00013_34135_4440.N1	09-SEP-2008 18:17:58	Dark	43.500	9	Alp Eri	0.45300	24000.	87	34135	No
88	GOM_NL__2PRFIN20080909_182445_000000472072_00013_34135_4441.N1	09-SEP-2008 18:24:45	Straylight	47.000	63	Bet Gru	2.1500	2800.0	94	34135	No
89	GOM_NL__2PRFIN20080909_182921_000000452072_00013_34135_4442.N1	09-SEP-2008 18:29:21	Straylight	44.500	18	24Alp PsA	1.1660	9700.0	89	34135	No
90	GOM_NL__2PRFIN20080909_183817_000000362072_00013_34135_4443.N1	09-SEP-2008 18:38:17	Bright	36.000	162	34Alp Aqr	2.9440	5350.0	72	34135	No
91	GOM_NL__2PRFIN20080909_184116_000000382072_00013_34135_4444.N1	09-SEP-2008 18:41:16	Bright	37.500	61	8Eps Peg	2.1000	3900.0	75	34135	No
92	GOM_NL__2PRFIN20080909_184317_000000402072_00013_34135_4445.N1	09-SEP-2008 18:43:17	Bright	40.000	90	54Alp Peg	2.4870	11000.	80	34135	No
93	GOM_NL__2PRFIN20080909_184731_000000382072_00013_34135_4446.N1	09-SEP-2008 18:47:31	Bright	37.500	164	44Eta Peg	2.9480	5400.0	75	34135	No
94	GOM_NL__2PRFIN20080909_185608_000000362072_00013_34135_4447.N1	09-SEP-2008 18:56:08	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	34135	No
95	GOM_NL__2PRFIN20080909_190351_000000372072_00013_34135_4448.N1	09-SEP-2008 19:03:51	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	34135	No
96	GOM_NL__2PRFIN20080909_192109_000000412072_00013_34135_4449.N1	09-SEP-2008 19:21:09	Bright	41.000	24	66Alp Gem	1.5800	10200.	82	34135	No
97	GOM_NL__2PRFIN20080909_192921_000000512072_00013_34135_4450.N1	09-SEP-2008 19:29:21	Twilight	50.500	8	10Alp CMi	0.40000	6500.0	101	34135	No
98	GOM_NL__2PRFIN20080909_193748_000000562072_00013_34135_4451.N1	09-SEP-2008 19:37:48	Dark	56.000	1	9Alp CMa	-1.4400	11000.	112	34135	No
99	GOM_NL__2PRFIN20080909_194017_000000422072_00013_34135_4452.N1	09-SEP-2008 19:40:17	Dark	42.000	23	21Eps CMa	1.5020	26000.	84	34135	No
100	GOM_NL__2PRFIN20080909_194224_000000462072_00013_34135_4453.N1	09-SEP-2008 19:42:24	Dark	46.000	177	1Zet CMa	3.0220	26000.	92	34135	No
101	GOM_NL__2PRFIN20080909_194533_000000482072_00013_34135_4454.N1	09-SEP-2008 19:45:33	Dark	48.000	161	Tau Pup	2.9310	4500.0	96	34135	No

102	GOM_NL__2PRFIN20080909_194648_000000532072_00013_34135_4455.N1	09-SEP-2008 19:46:48	Dark	52.500	2	Alp Car	-0.73600	7000.0	105	34135	No
103	GOM_NL__2PRFIN20080909_195711_000000402072_00014_34136_4457.N1	09-SEP-2008 19:57:11	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	34136	No
104	GOM_NL__2PRFIN20080909_195834_000000422072_00014_34136_4458.N1	09-SEP-2008 19:58:34	Dark	42.000	9	Alp Eri	0.45300	24000.	84	34136	No
105	GOM_NL__2PRFIN20080909_200521_000000512072_00014_34136_4459.N1	09-SEP-2008 20:05:21	Straylight	51.000	63	Bet Gru	2.1500	2800.0	102	34136	No
106	GOM_NL__2PRFIN20080909_200957_000000422072_00014_34136_4460.N1	09-SEP-2008 20:09:57	Straylight	42.000	18	24Alp PsA	1.1660	9700.0	84	34136	No
107	GOM_NL__2PRFIN20080909_201853_000000382072_00014_34136_4461.N1	09-SEP-2008 20:18:53	Bright	37.500	162	34Alp Aqr	2.9440	5350.0	75	34136	No
108	GOM_NL__2PRFIN20080909_202152_000000372072_00014_34136_4462.N1	09-SEP-2008 20:21:52	Bright	37.000	61	8Eps Peg	2.1000	3900.0	74	34136	No
109	GOM_NL__2PRFIN20080909_202353_000000422072_00014_34136_4463.N1	09-SEP-2008 20:23:53	Bright	42.000	90	54Alp Peg	2.4870	11000.	84	34136	No
110	GOM_NL__2PRFIN20080909_202807_000000402072_00014_34136_4464.N1	09-SEP-2008 20:28:07	Bright	39.500	164	44Eta Peg	2.9480	5400.0	79	34136	No
111	GOM_NL__2PRFIN20080909_203644_000000362072_00014_34136_4465.N1	09-SEP-2008 20:36:44	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	34136	No
112	GOM_NL__2PRFIN20080909_204427_000000372072_00014_34136_4466.N1	09-SEP-2008 20:44:27	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	34136	No
113	GOM_NL__2PRFIN20080909_210145_000000412072_00014_34136_4467.N1	09-SEP-2008 21:01:45	Bright	40.500	24	66Alp Gem	1.5800	10200.	81	34136	No
114	GOM_NL__2PRFIN20080909_210957_000000502072_00014_34136_4468.N1	09-SEP-2008 21:09:57	Twilight	49.500	8	10Alp CMi	0.40000	6500.0	99	34136	No
115	GOM_NL__2PRFIN20080909_211825_000000562072_00014_34136_4469.N1	09-SEP-2008 21:18:25	Dark	56.000	1	9Alp CMa	-1.4400	11000.	112	34136	No
116	GOM_NL__2PRFIN20080909_212053_000000452072_00014_34136_4470.N1	09-SEP-2008 21:20:53	Dark	44.500	23	21Eps CMa	1.5020	26000.	89	34136	No
117	GOM_NL__2PRFIN20080909_212301_000000442072_00014_34136_4471.N1	09-SEP-2008 21:23:01	Dark	43.500	177	1Zet CMa	3.0220	26000.	87	34136	No
118	GOM_NL__2PRFIN20080909_212609_000000402072_00014_34136_4472.N1	09-SEP-2008 21:26:09	Dark	39.500	161	Tau Pup	2.9310	4500.0	79	34136	No
119	GOM_NL__2PRFIN20080909_212725_000000522072_00014_34136_4473.N1	09-SEP-2008 21:27:25	Dark	51.500	2	Alp Car	-0.73600	7000.0	103	34136	No
120	GOM_NL__2PRFIN20080909_213748_000000412072_00015_34137_4479.N1	09-SEP-2008 21:37:48	Dark	40.500	143	Alp Hyi	2.8570	7200.0	81	34137	No
121	GOM_NL__2PRFIN20080909_213911_000000532072_00015_34137_4480.N1	09-SEP-2008 21:39:11	Dark	52.500	9	Alp Eri	0.45300	24000.	105	34137	No
122	GOM_NL__2PRFIN20080909_214558_000000442072_00015_34137_4481.N1	09-SEP-2008 21:45:58	Straylight	44.000	63	Bet Gru	2.1500	2800.0	88	34137	No
123	GOM_NL__2PRFIN20080909_215033_000000422072_00015_34137_4482.N1	09-SEP-2008 21:50:33	Straylight	41.500	18	24Alp PsA	1.1660	9700.0	83	34137	No
124	GOM_NL__2PRFIN20080909_215929_000000372072_00015_34137_4483.N1	09-SEP-2008 21:59:29	Bright	36.500	162	34Alp Aqr	2.9440	5350.0	73	34137	No
125	GOM_NL__2PRFIN20080909_220227_000000382072_00015_34137_4484.N1	09-SEP-2008 22:02:27	Bright	37.500	61	8Eps Peg	2.1000	3900.0	75	34137	No
126	GOM_NL__2PRFIN20080909_220429_000000432072_00015_34137_4485.N1	09-SEP-2008 22:04:29	Bright	43.000	90	54Alp Peg	2.4870	11000.	86	34137	No
127	GOM_NL__2PRFIN20080909_220842_000000372072_00015_34137_4486.N1	09-SEP-2008 22:08:42	Bright	37.000	164	44Eta Peg	2.9480	5400.0	74	34137	No
128	GOM_NL__2PRFIN20080909_221720_000000362072_00015_34137_4487.N1	09-SEP-2008 22:17:20	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	34137	No
129	GOM_NL__2PRFIN20080909_222503_000000362072_00015_34137_4488.N1	09-SEP-2008 22:25:03	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	34137	No
130	GOM_NL__2PRFIN20080909_224221_000000592072_00015_34137_4489.N1	09-SEP-2008 22:42:21	Bright	59.000	24	66Alp Gem	1.5800	10200.	118	34137	No
131	GOM_NL__2PRFIN20080909_225034_000000542072_00015_34137_4490.N1	09-SEP-2008 22:50:34	Twilight	53.500	8	10Alp CMi	0.40000	6500.0	107	34137	No
132	GOM_NL__2PRFIN20080909_225901_000000592072_00015_34137_4491.N1	09-SEP-2008 22:59:01	Dark	58.500	1	9Alp CMa	-1.4400	11000.	117	34137	No
133	GOM_NL__2PRFIN20080909_230130_000000492072_00015_34137_4492.N1	09-SEP-2008 23:01:30	Dark	49.000	23	21Eps CMa	1.5020	26000.	98	34137	No
134	GOM_NL__2PRFIN20080909_230338_000000442072_00015_34137_4493.N1	09-SEP-2008 23:03:38	Dark	44.000	177	1Zet CMa	3.0220	26000.	88	34137	No
135	GOM_NL__2PRFIN20080909_230645_000000392072_00015_34137_4494.N1	09-SEP-2008 23:06:45	Dark	39.000	161	Tau Pup	2.9310	4500.0	78	34137	No
136	GOM_NL__2PRFIN20080909_230801_000000552072_00015_34137_4495.N1	09-SEP-2008 23:08:01	Dark	55.000	2	Alp Car	-0.73600	7000.0	110	34137	No
137	GOM_NL__2PRFIN20080909_231824_000000402072_00016_34138_4495.N1	09-SEP-2008 23:18:24	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	34138	No
138	GOM_NL__2PRFIN20080909_231947_000000442072_00016_34138_4496.N1	09-SEP-2008 23:19:47	Dark	44.000	9	Alp Eri	0.45300	24000.	88	34138	No
139	GOM_NL__2PRFIN20080909_232634_000000452072_00016_34138_4497.N1	09-SEP-2008 23:26:34	Straylight	45.000	63	Bet Gru	2.1500	2800.0	90	34138	No
140	GOM_NL__2PRFIN20080909_233109_000000402072_00016_34138_4498.N1	09-SEP-2008 23:31:09	Straylight	39.500	18	24Alp PsA	1.1660	9700.0	79	34138	No
141	GOM_NL__2PRFIN20080909_234004_000000372072_00016_34138_4499.N1	09-SEP-2008 23:40:04	Bright	37.000	162	34Alp Aqr	2.9440	5350.0	74	34138	No
142	GOM_NL__2PRFIN20080909_234303_000000372072_00016_34138_4500.N1	09-SEP-2008 23:43:03	Bright	37.000	61	8Eps Peg	2.1000	3900.0	74	34138	No
143	GOM_NL__2PRFIN20080909_234504_000000432072_00016_34138_4501.N1	09-SEP-2008 23:45:04	Bright	42.500	90	54Alp Peg	2.4870	11000.	85	34138	No
144	GOM_NL__2PRFIN20080909_234918_000000412072_00016_34138_4502.N1	09-SEP-2008 23:49:18	Bright	40.500	164	44Eta Peg	2.9480	5400.0	81	34138	No
145	GOM_NL__2PRFIN20080909_235756_000000342072_00016_34138_4503.N1	09-SEP-2008 23:57:56	Bright	34.000	89	5Alp Cep	2.4510	8000.0	68	34138	No

3. Quality information per product

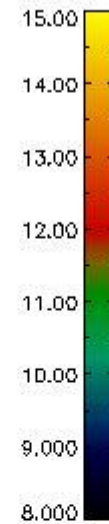
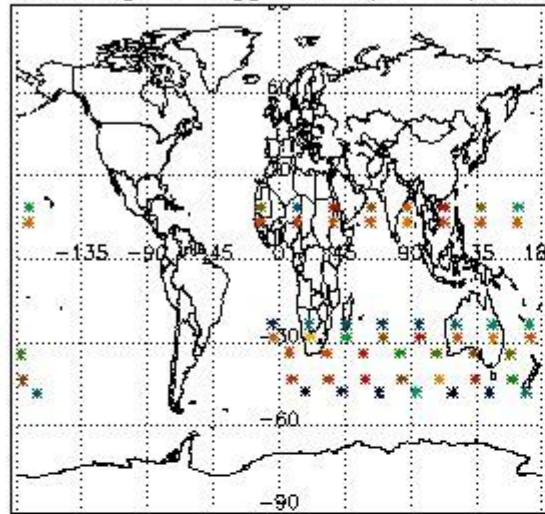
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

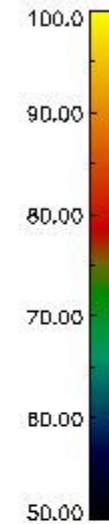
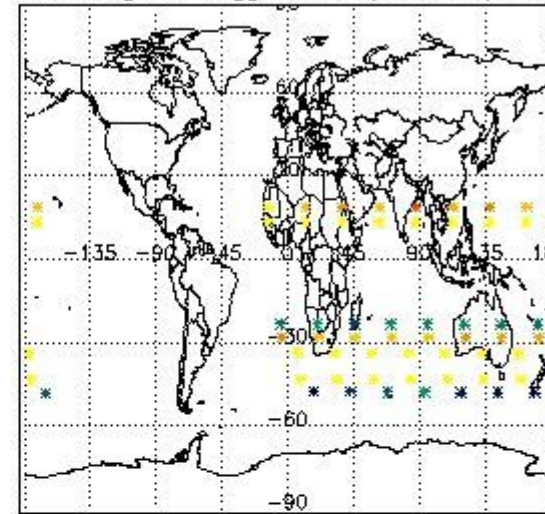


3.2 Plot quality information per product (world map)

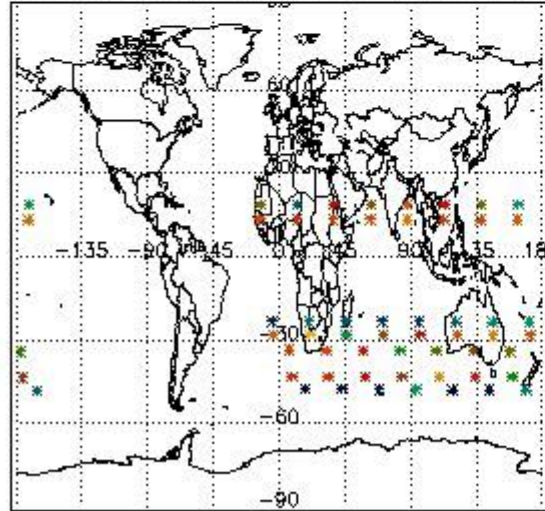
Percentage of flagged data per O3 profile



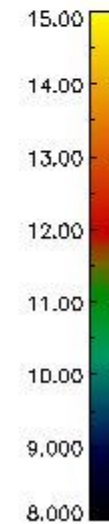
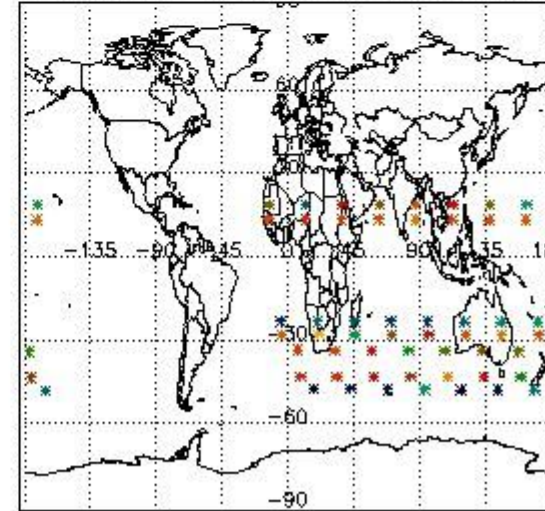
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

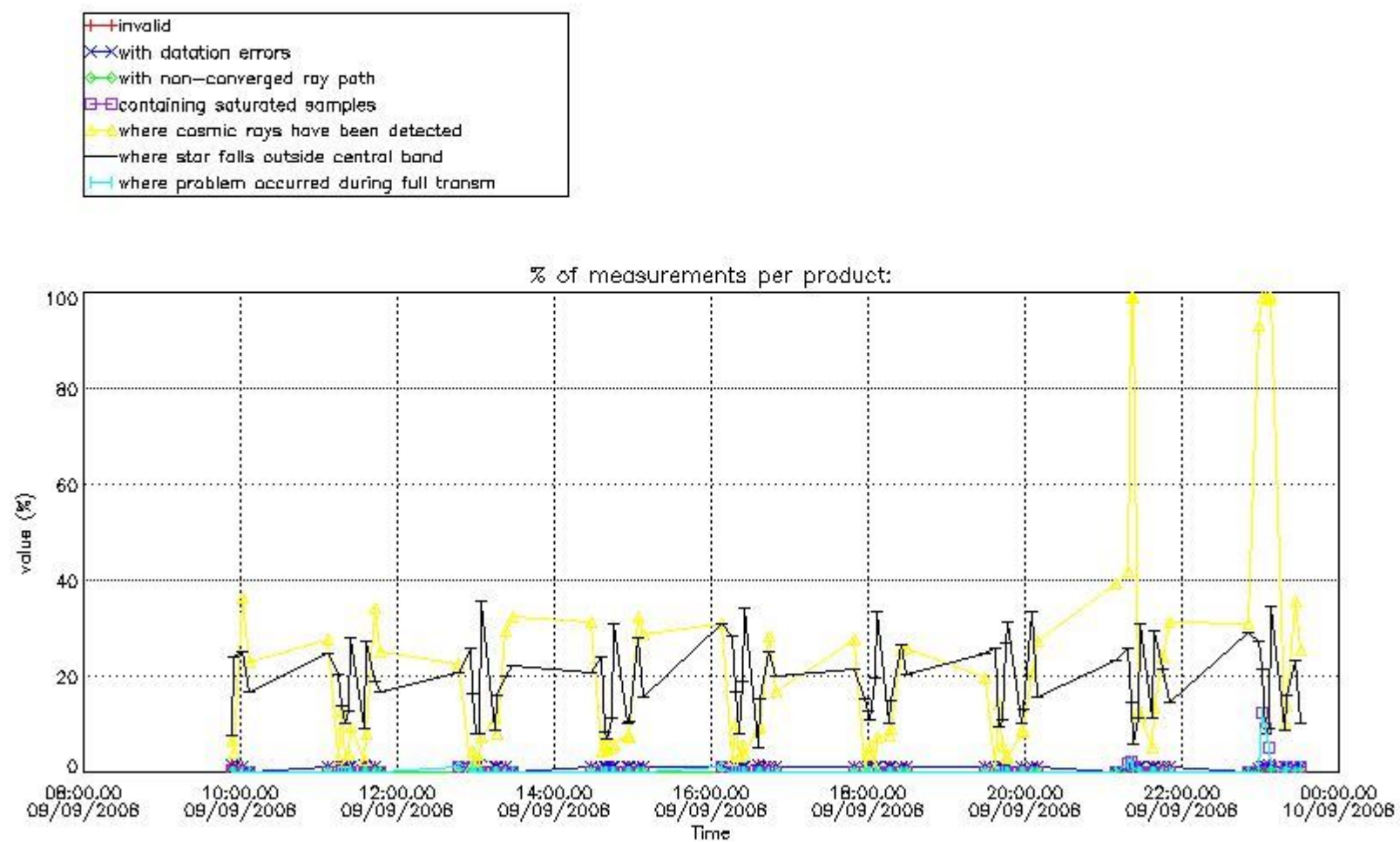


4. Level 1 quality information per product

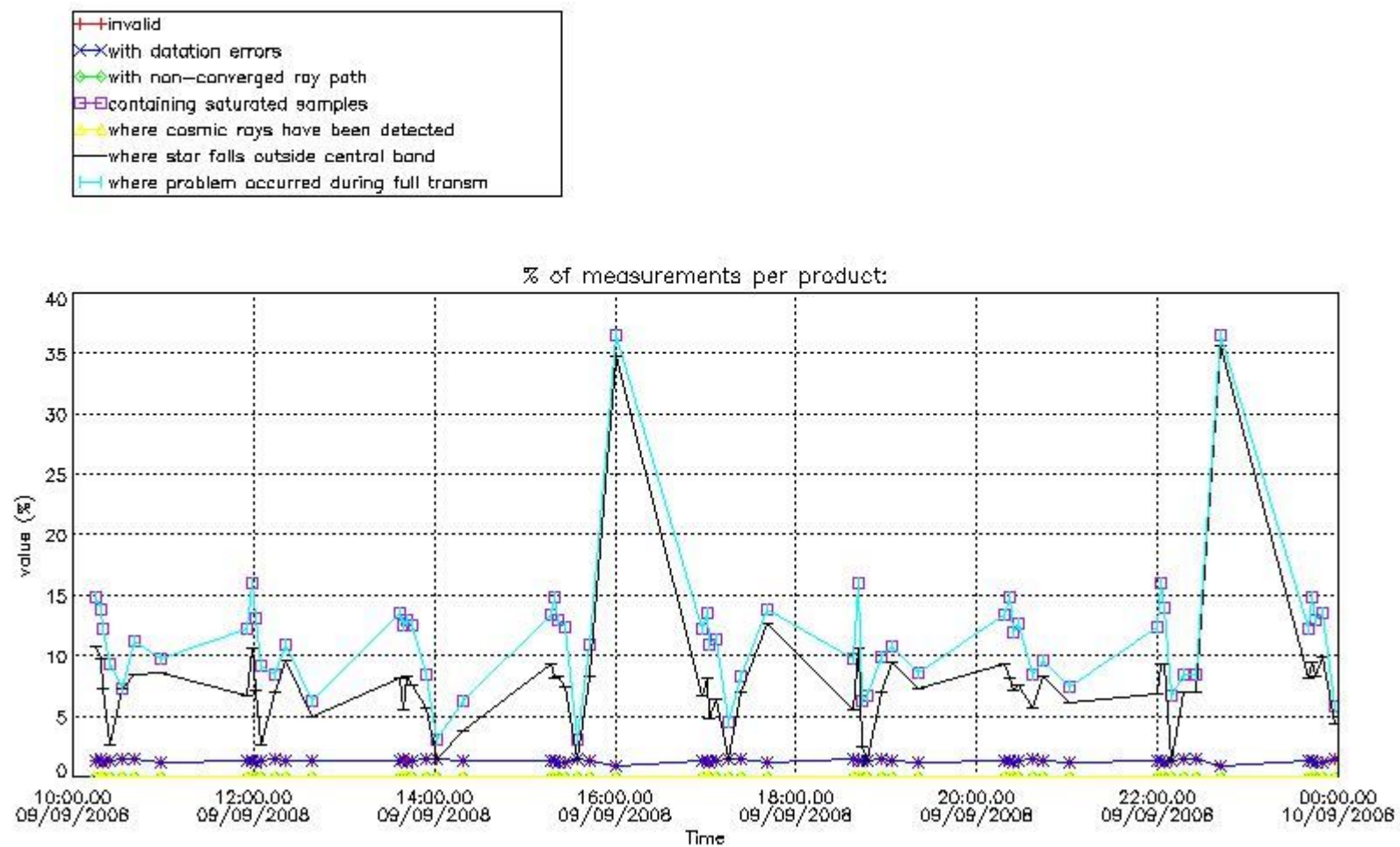
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



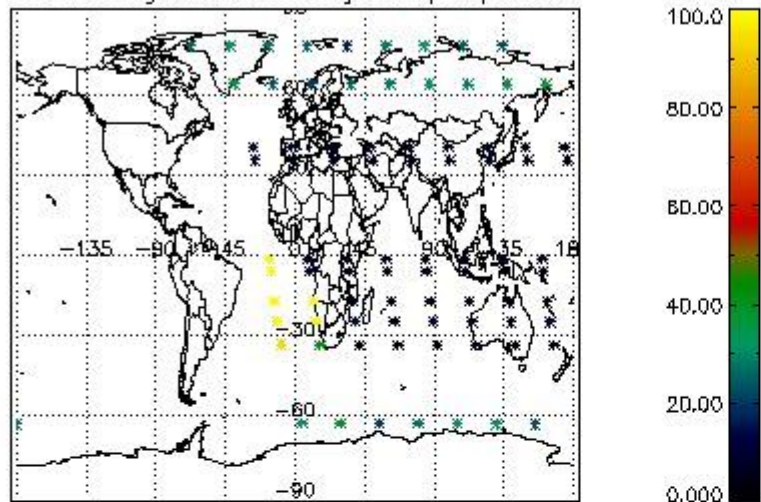
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



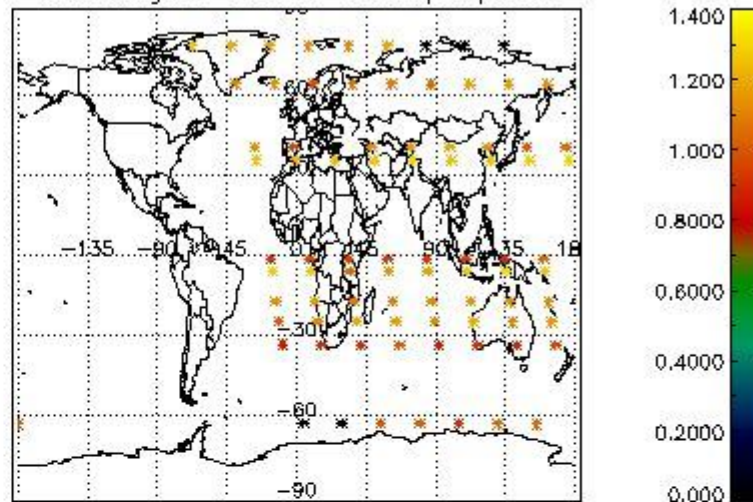
4.2 Plot quality information per product coming from level 1b processing (world map)

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

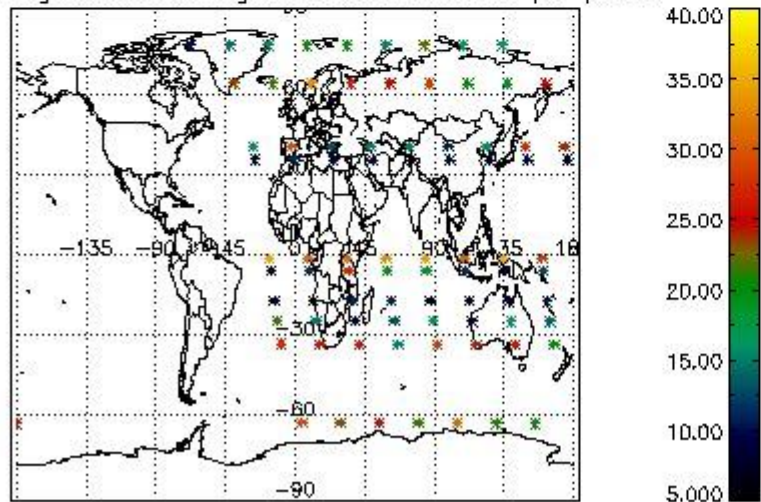
Percentage of cosmic ray hits per profile



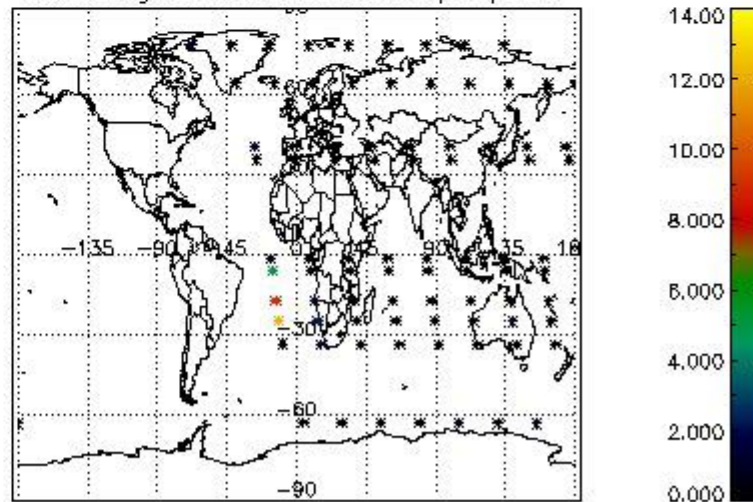
Percentage of datation errors per profile



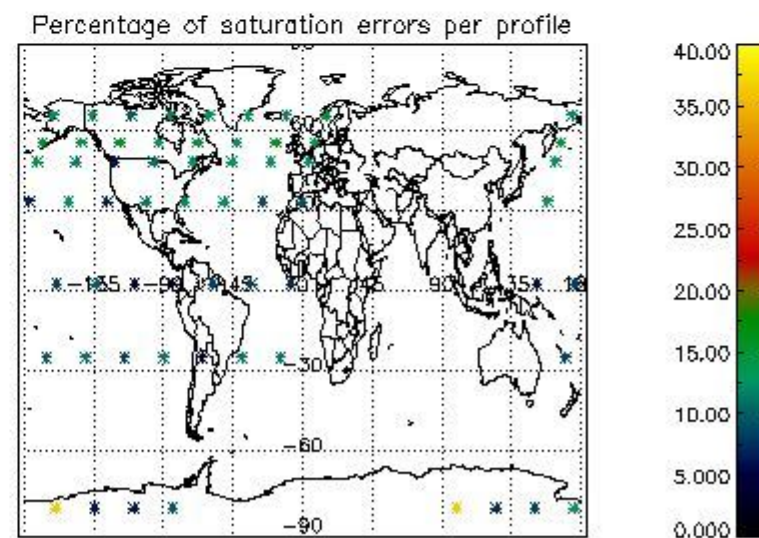
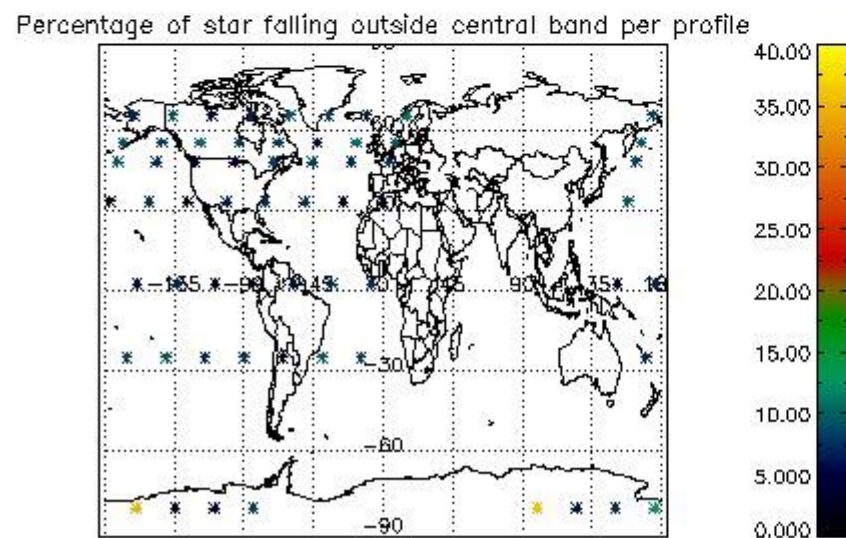
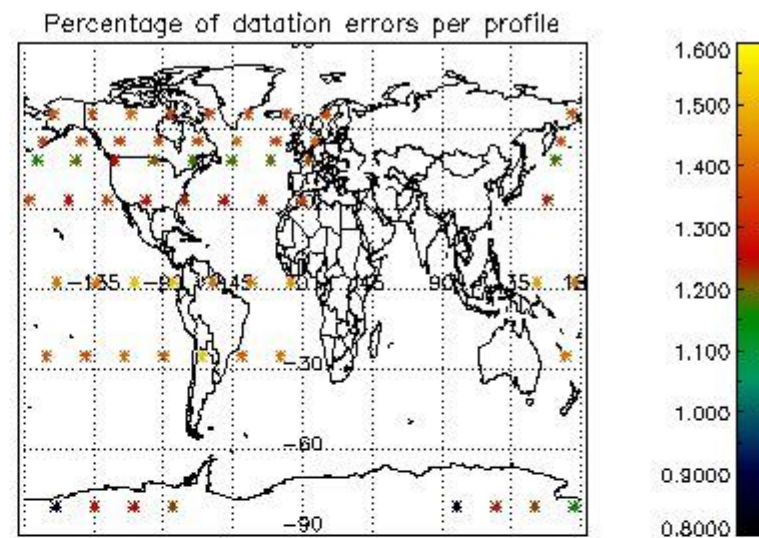
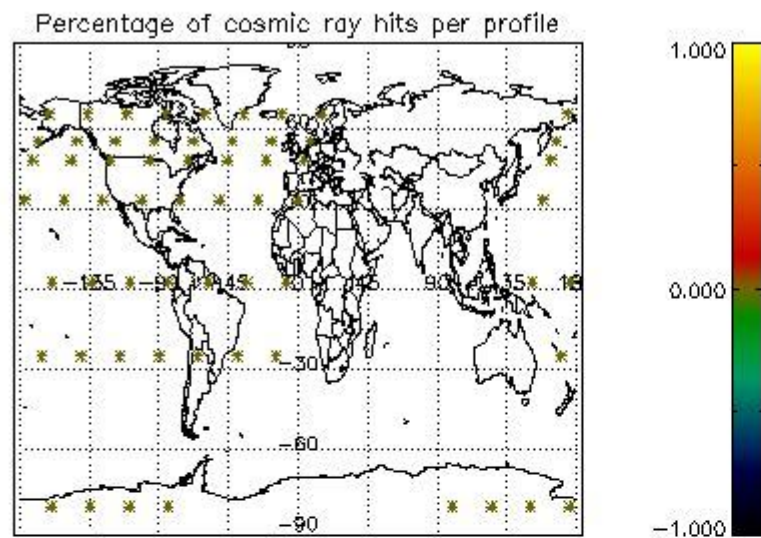
Percentage of star falling outside central band per profile



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

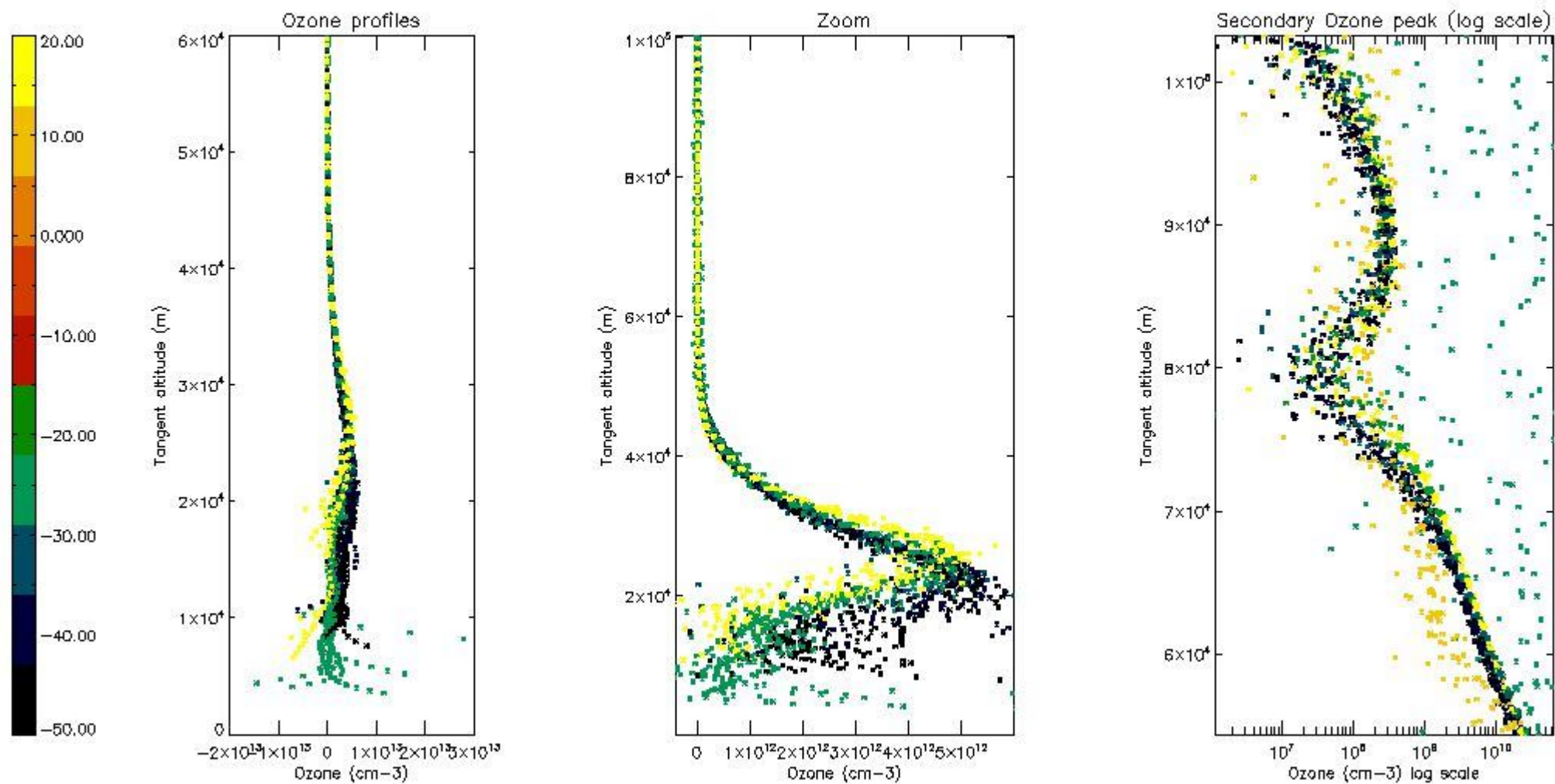
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	44
STD < 20	26

STD < 10	21
STD < 5	16

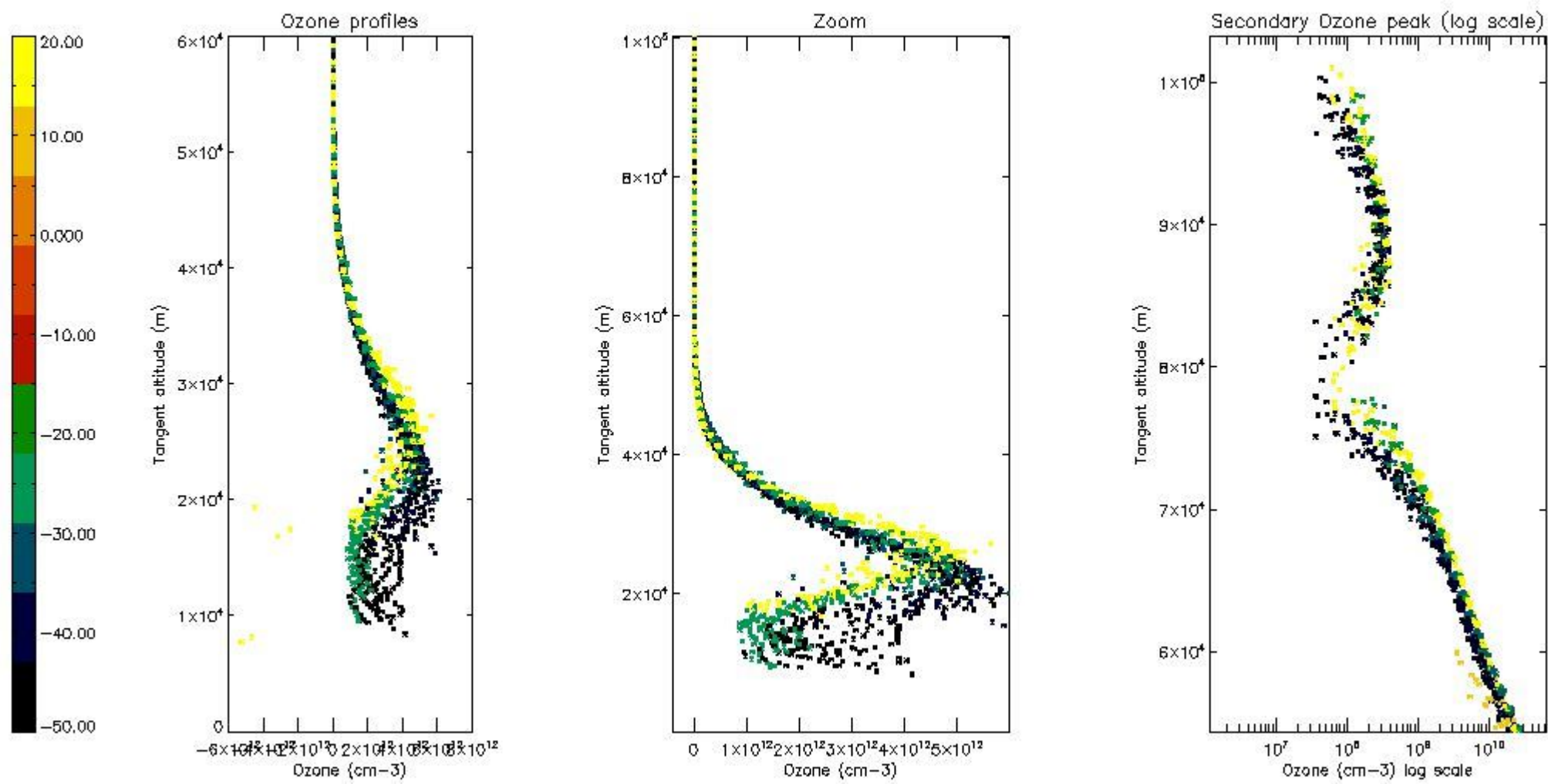
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



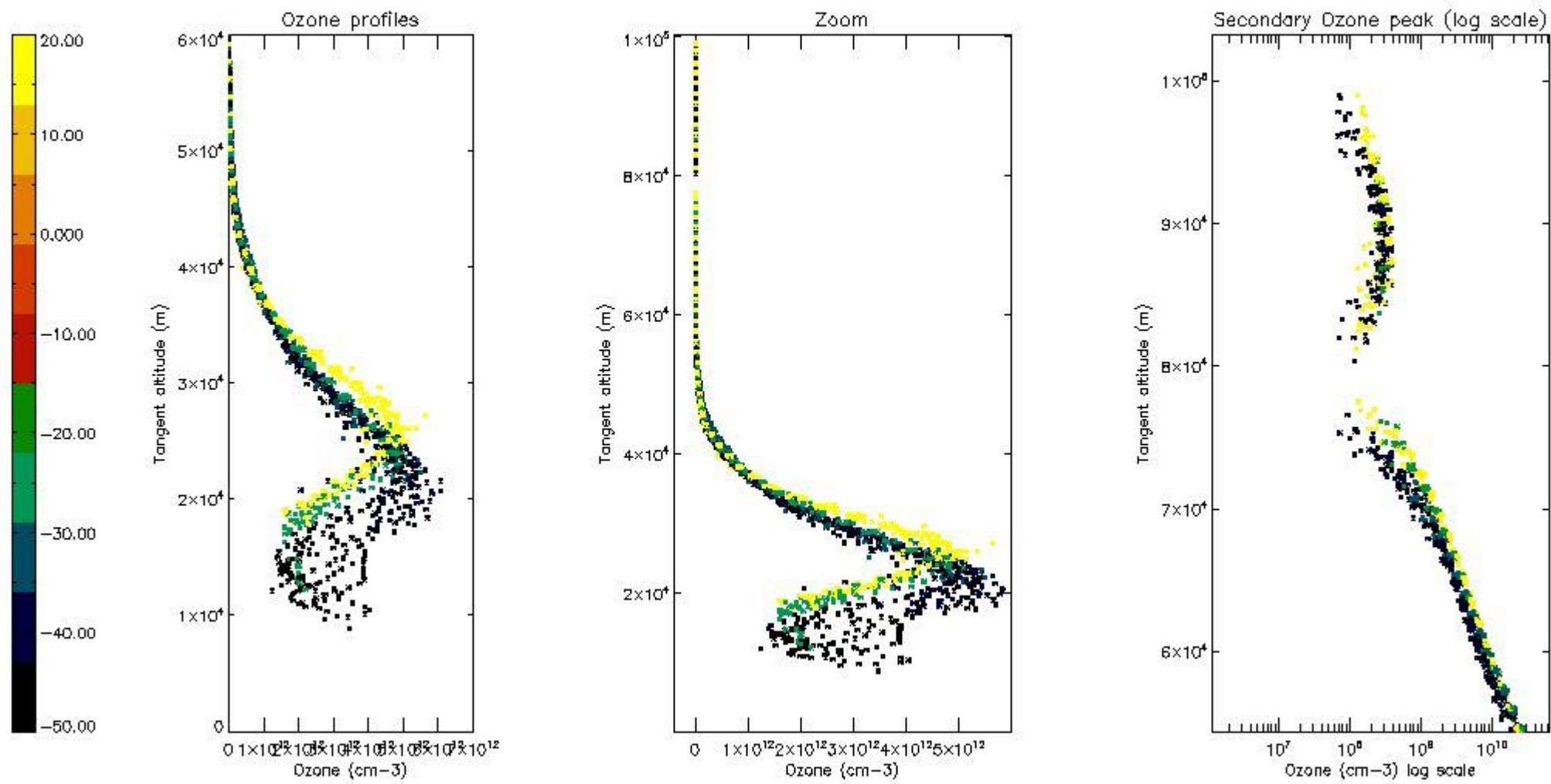
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



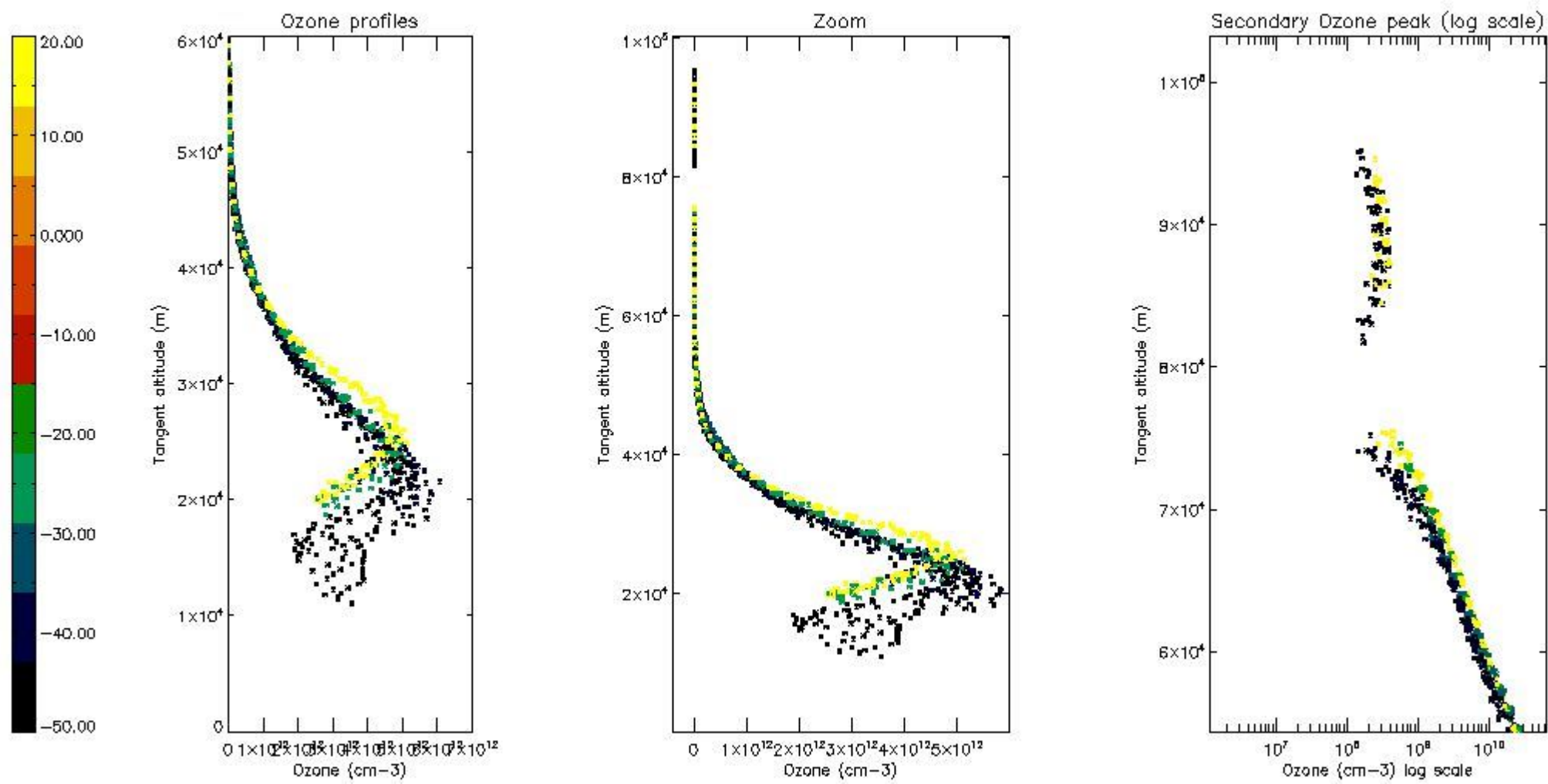
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



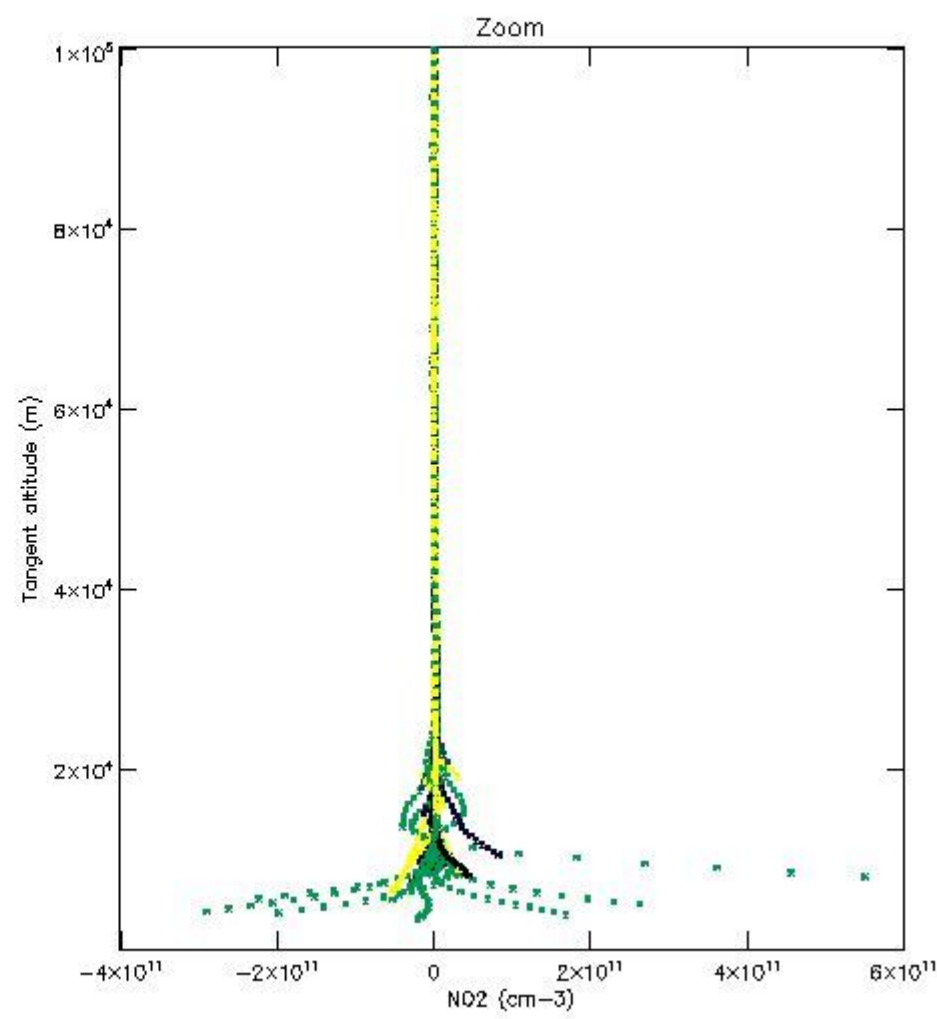
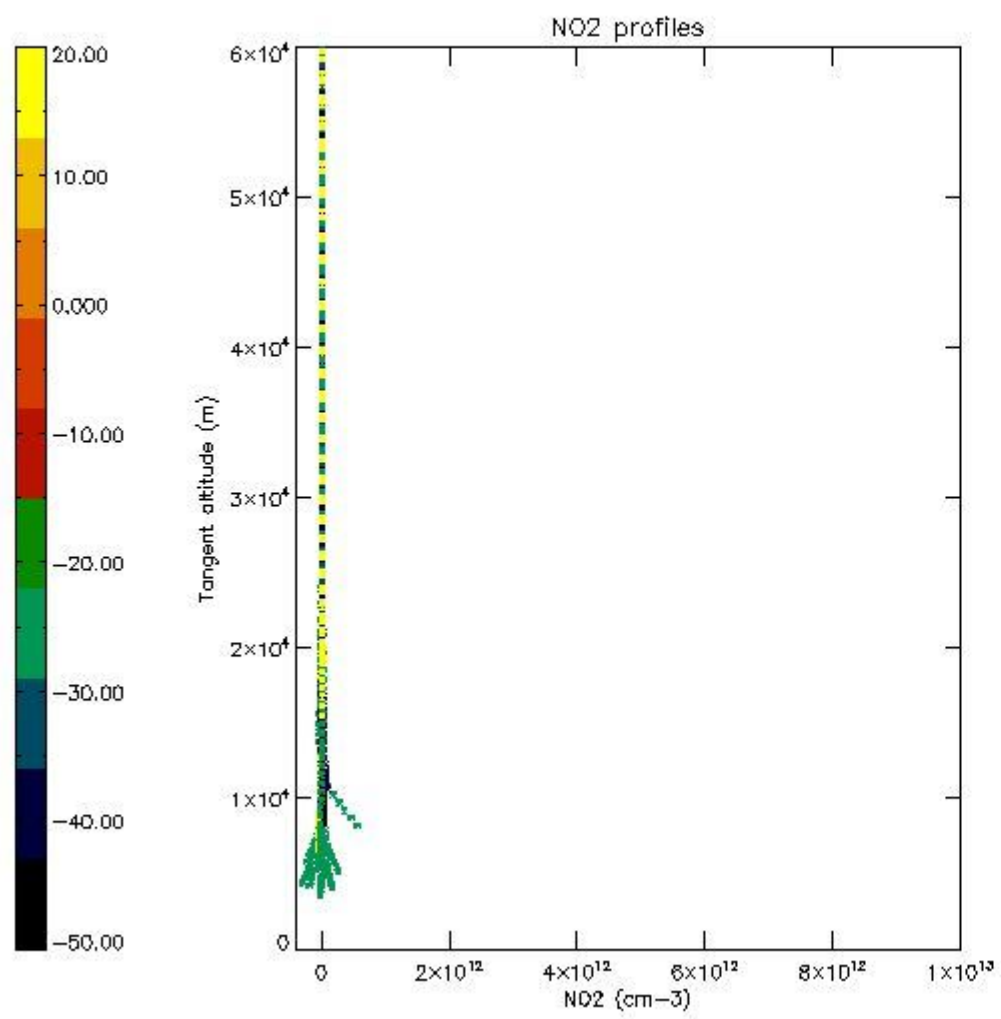
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



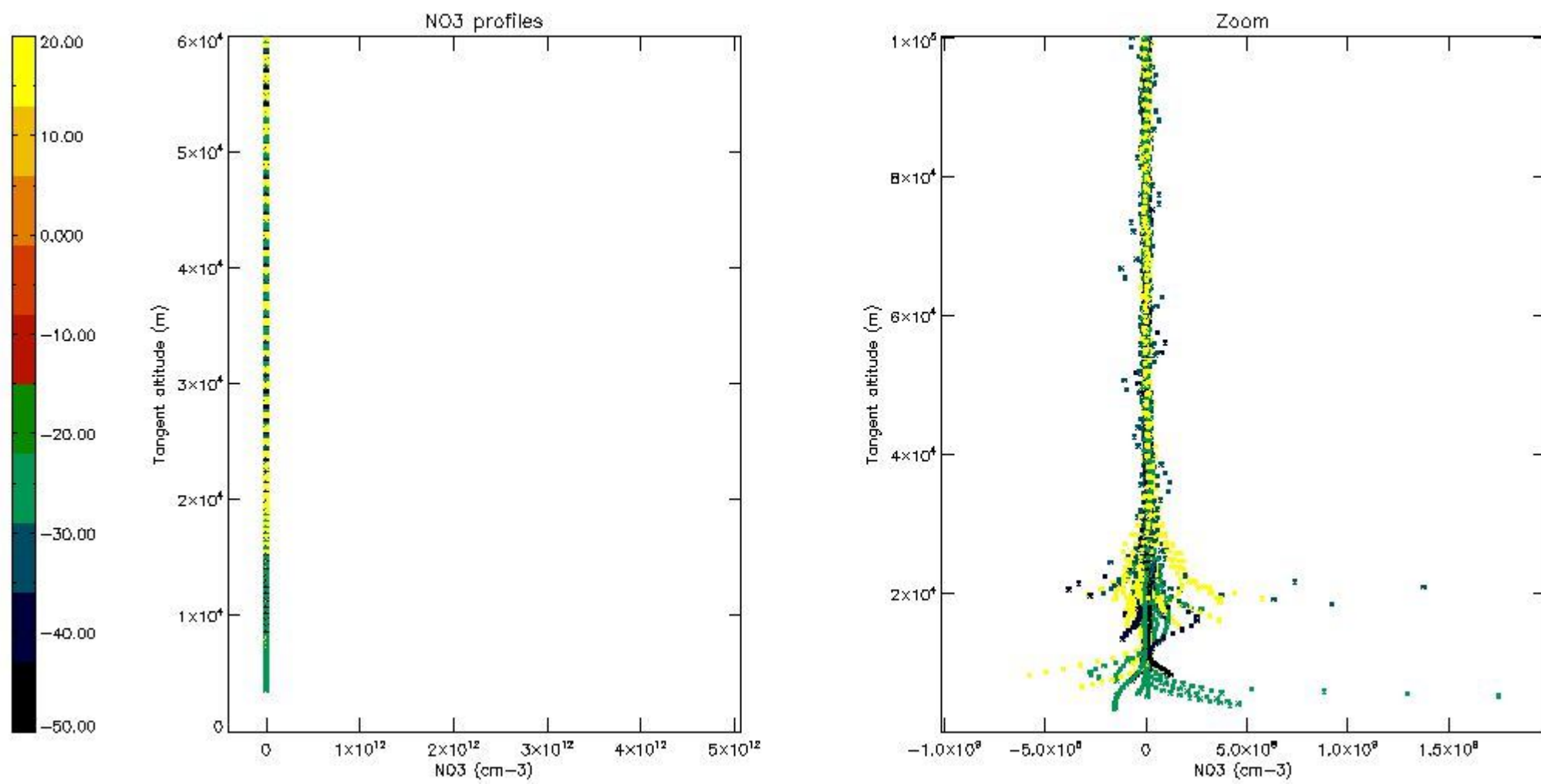
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



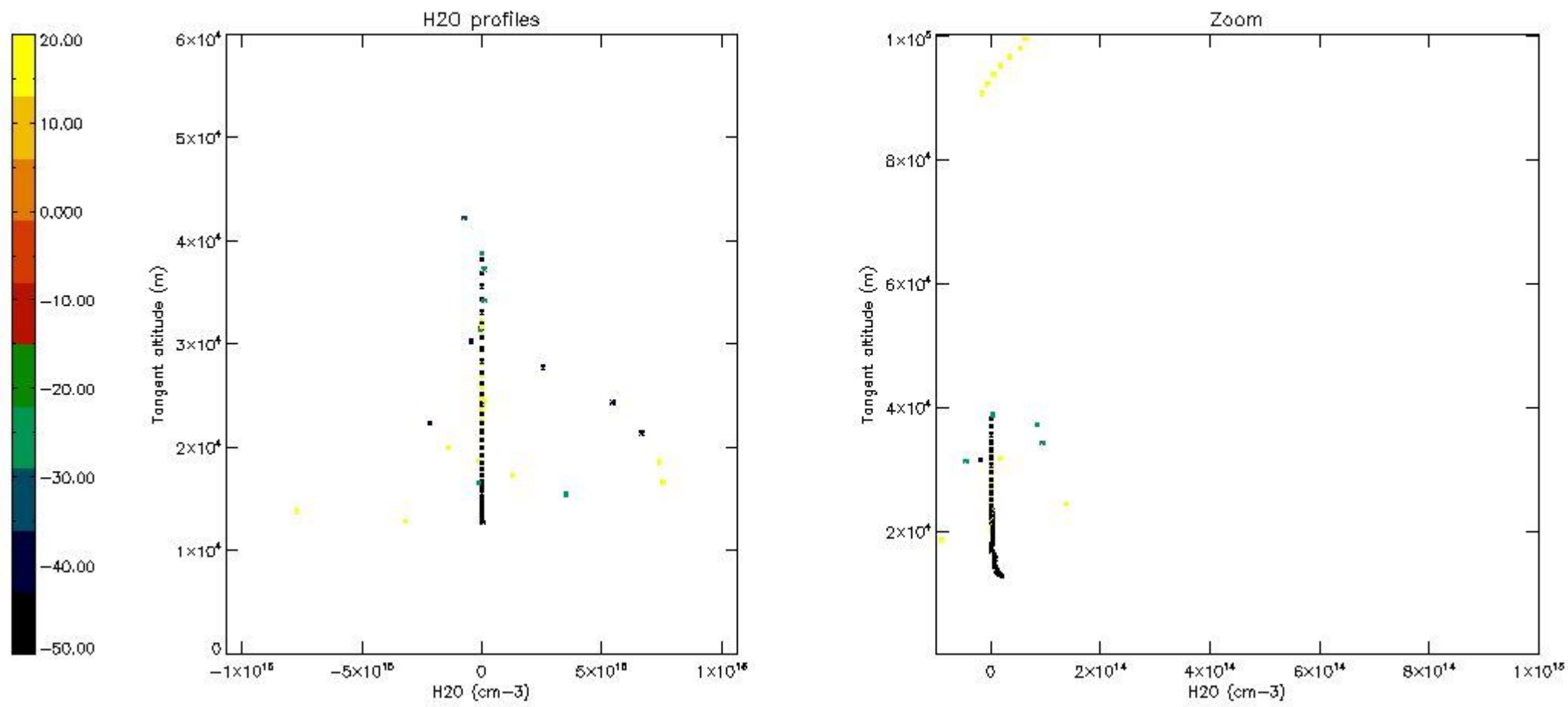
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

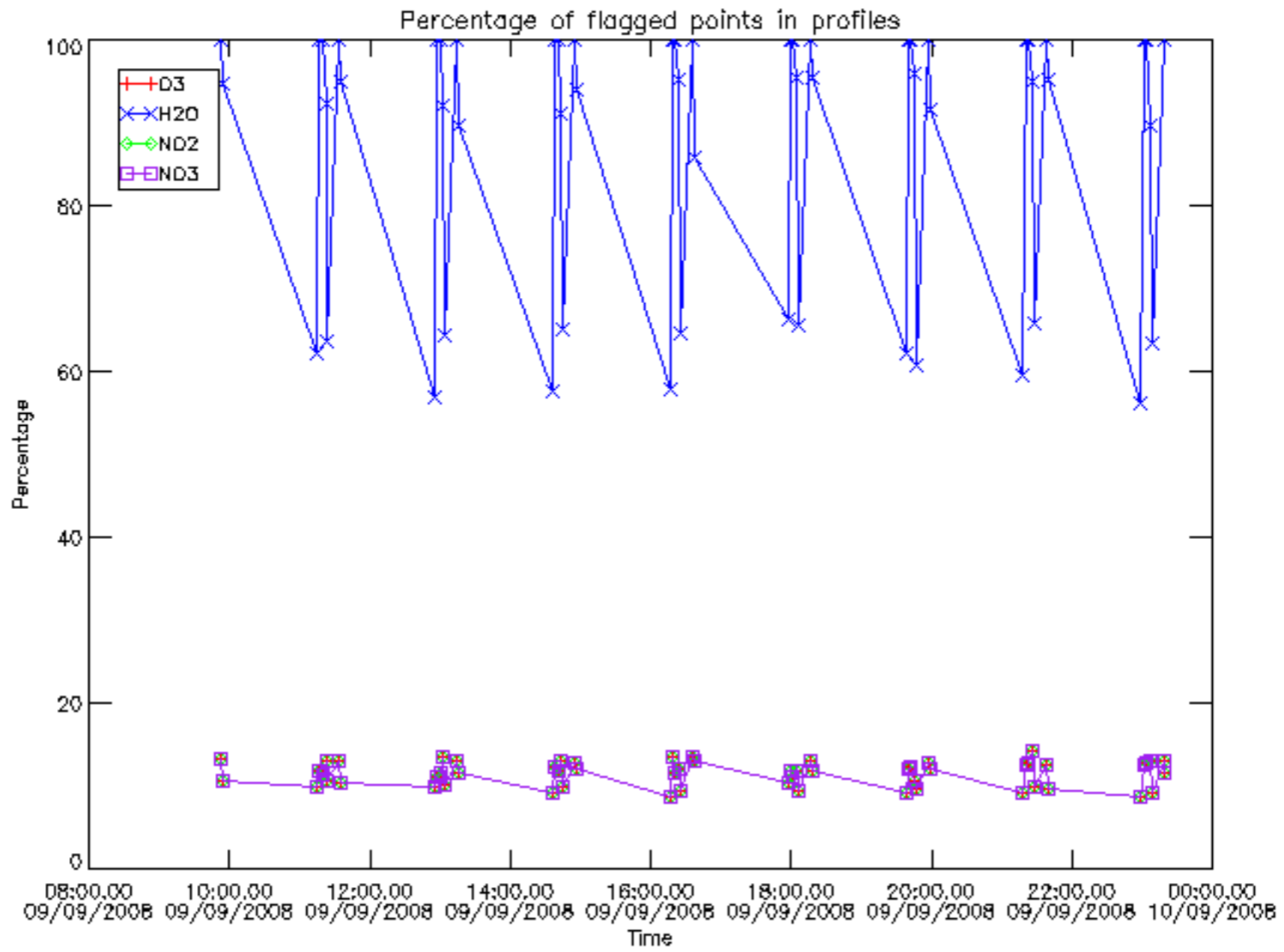
The colorbar represents the latitude.



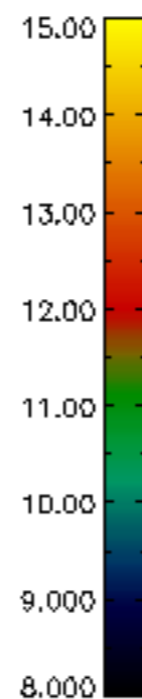
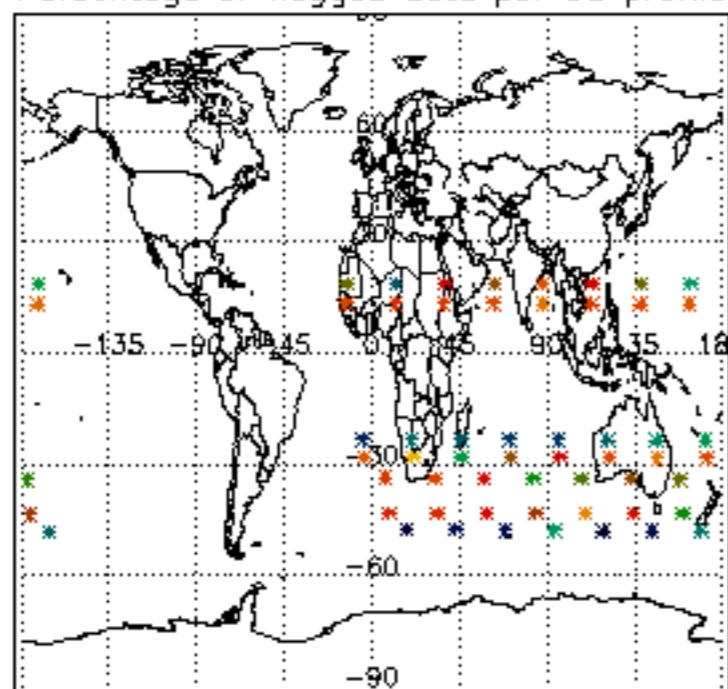
6. Auxiliary Data Files used for the production reported in section 2

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

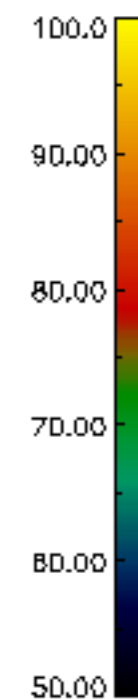
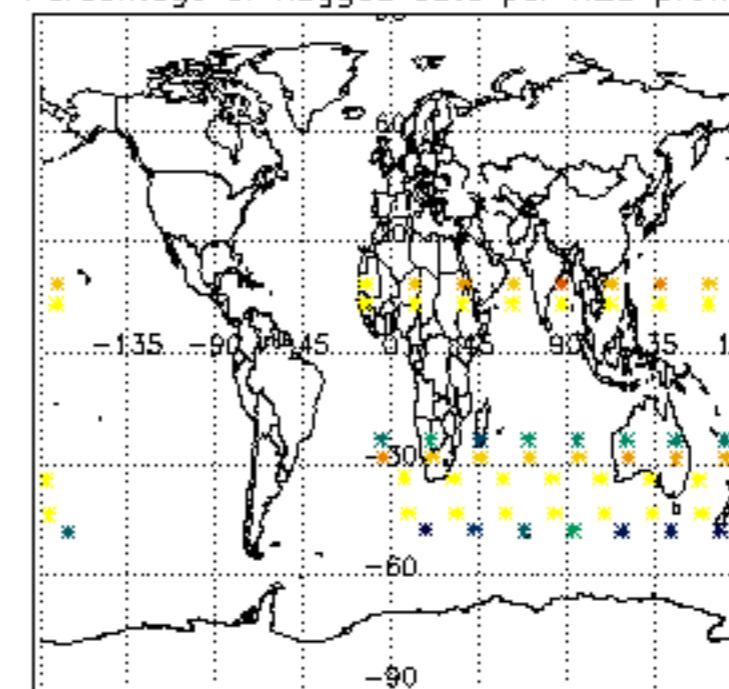
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	09-SEP-2008 09:53:33
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	09-SEP-2008 09:53:33
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	09-SEP-2008 09:53:33



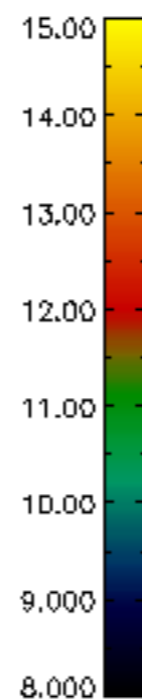
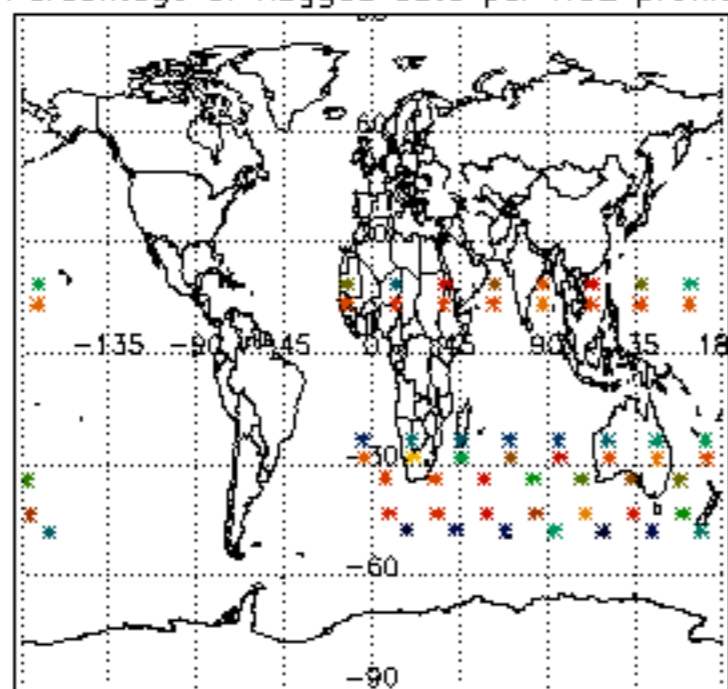
Percentage of flagged data per D3 profile



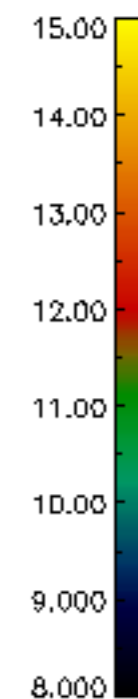
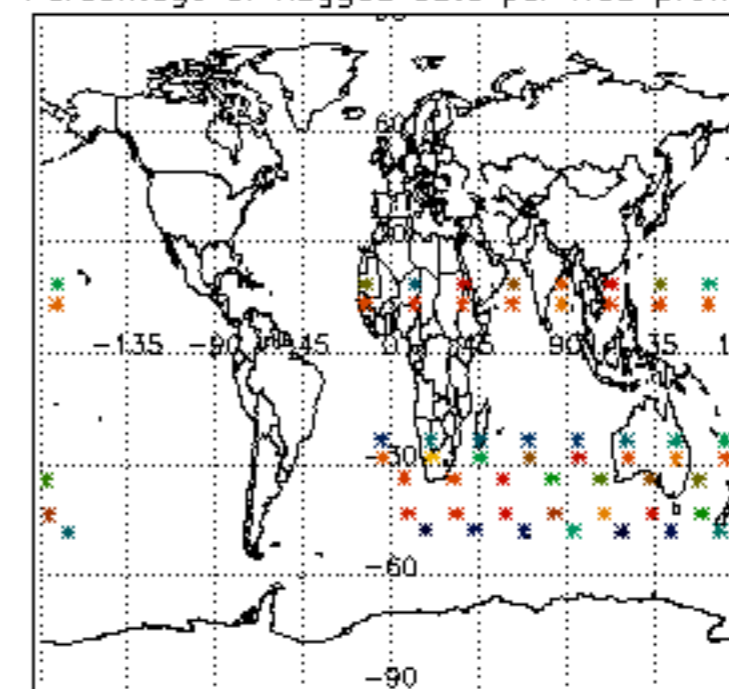
Percentage of flagged data per H2O profile

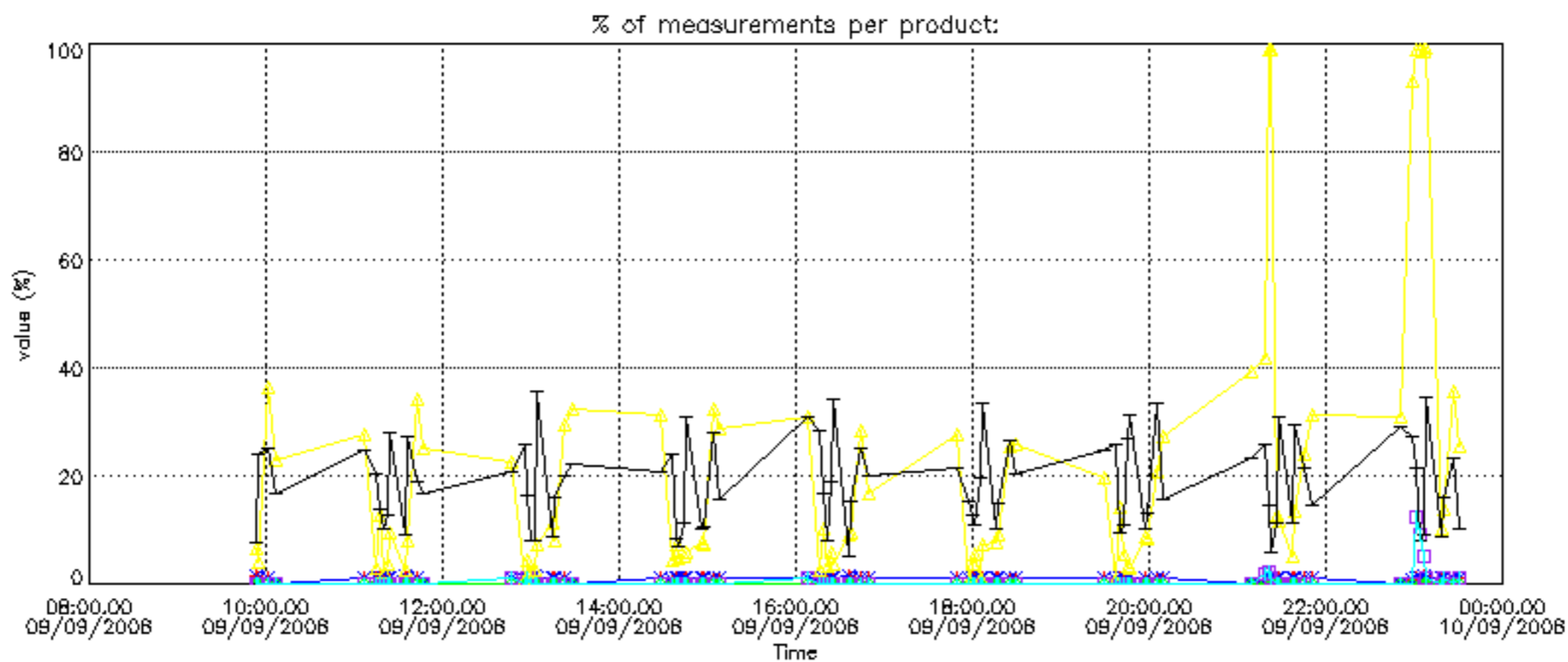


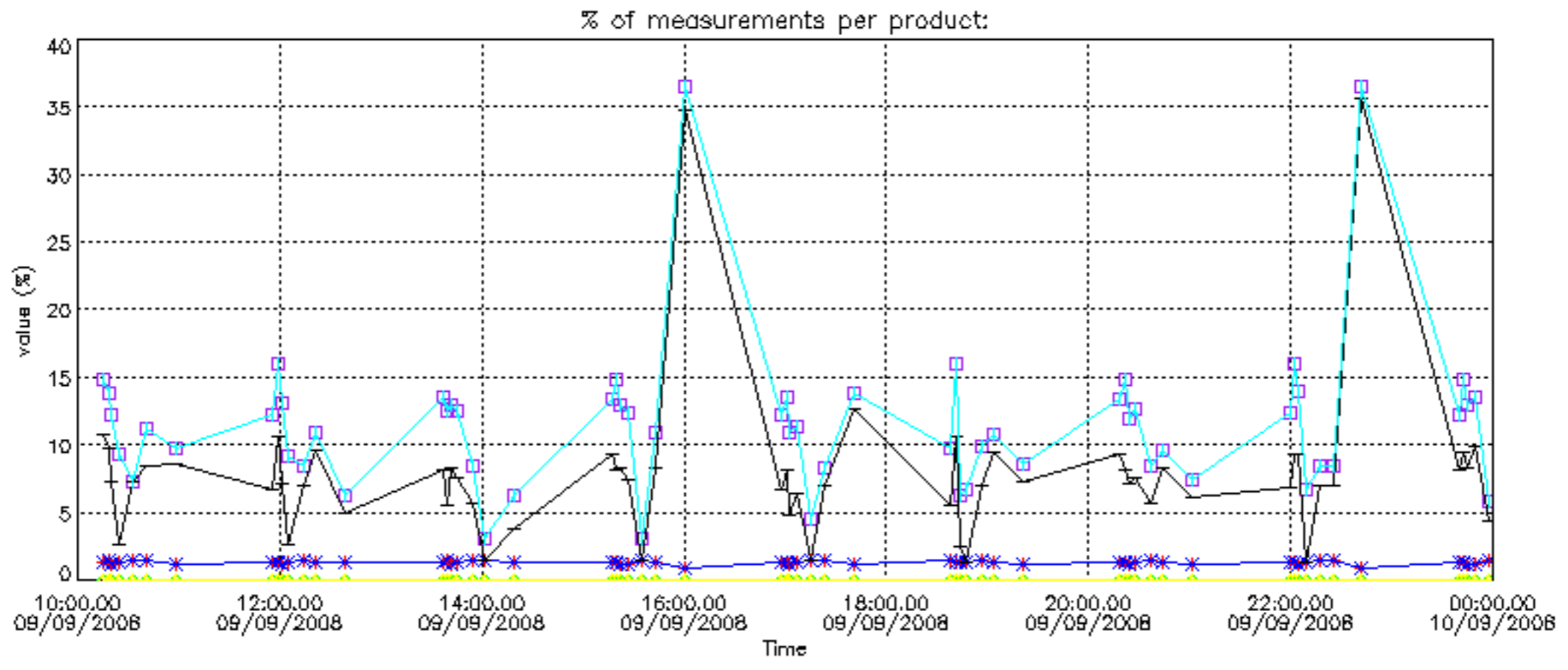
Percentage of flagged data per NO2 profile



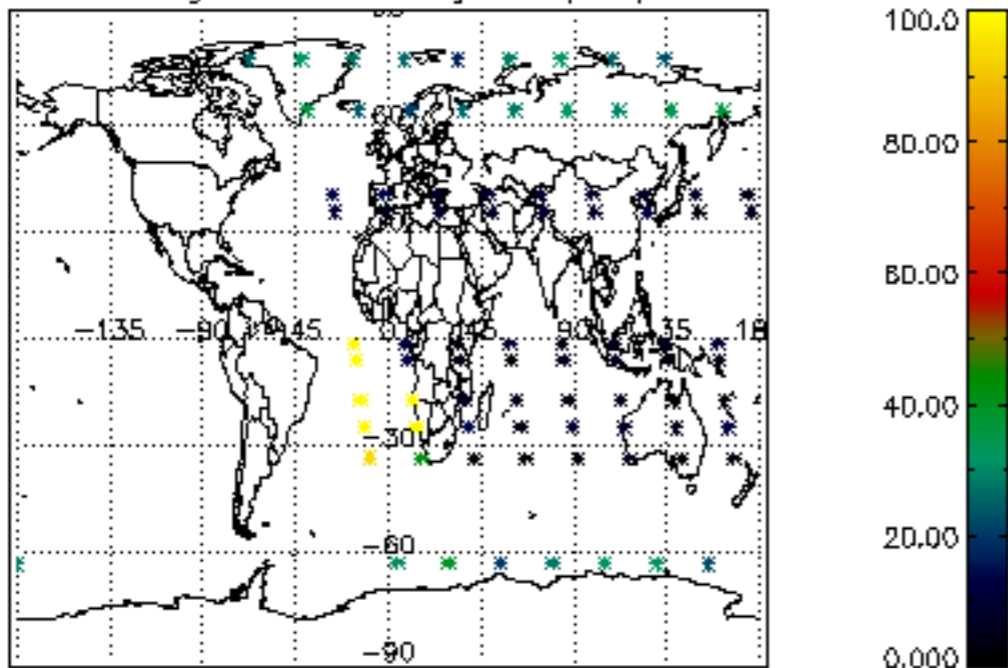
Percentage of flagged data per NO3 profile



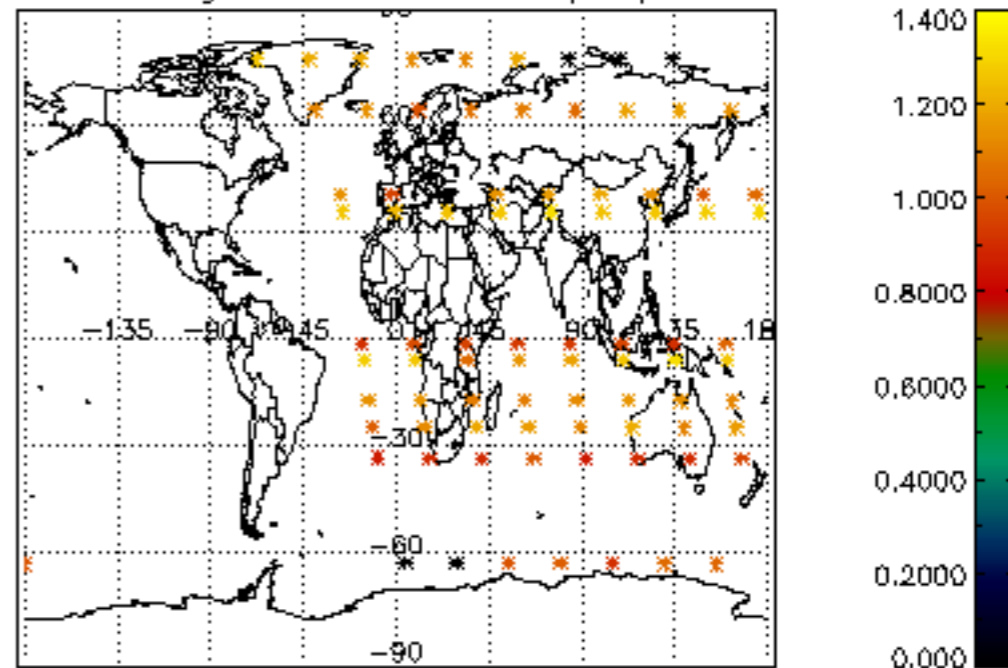




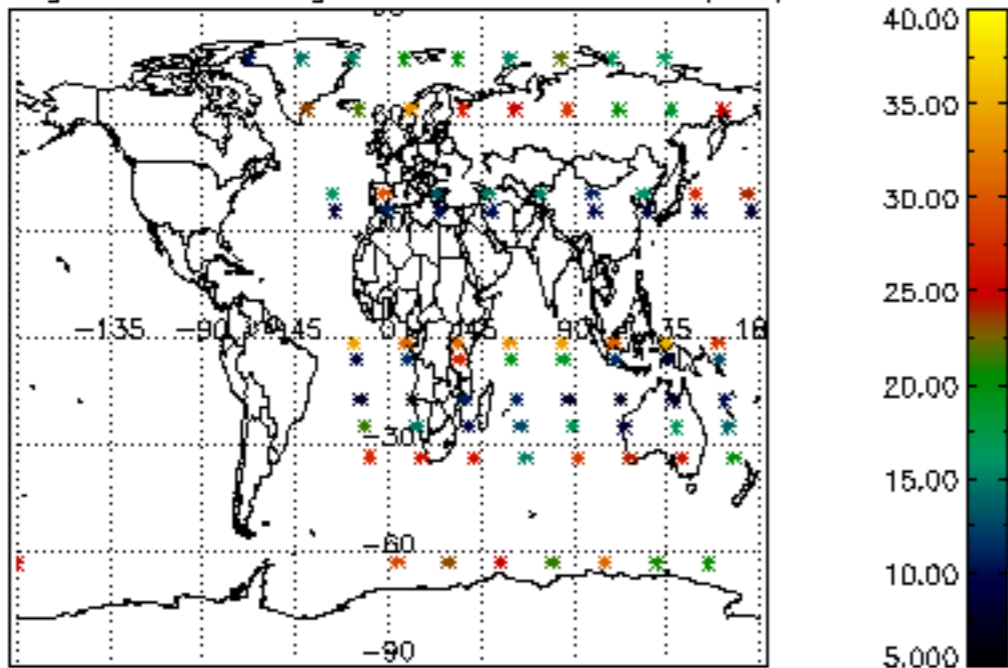
Percentage of cosmic ray hits per profile



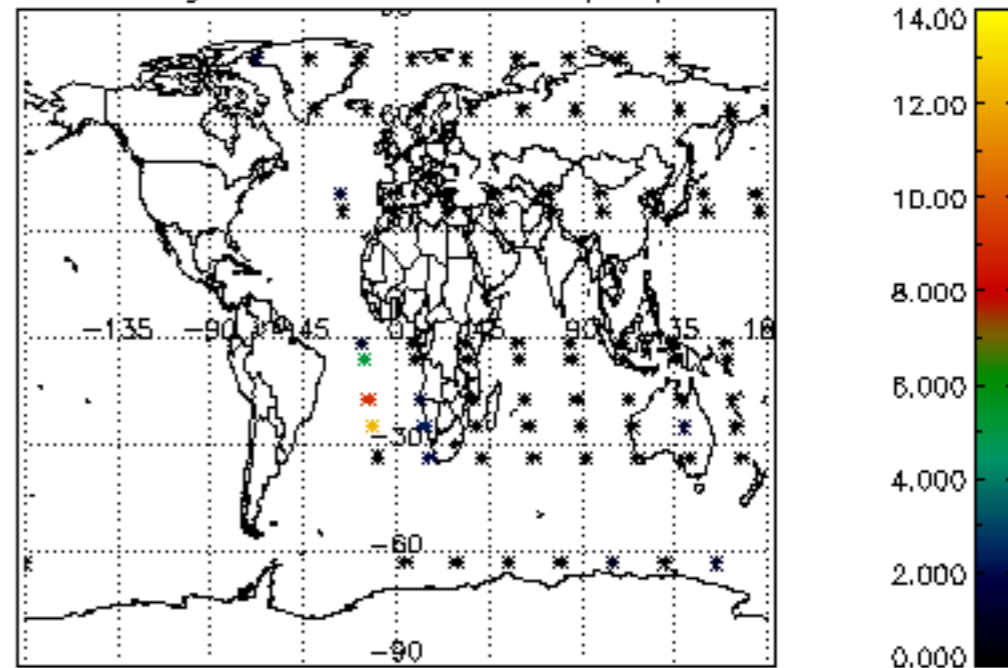
Percentage of datation errors per profile



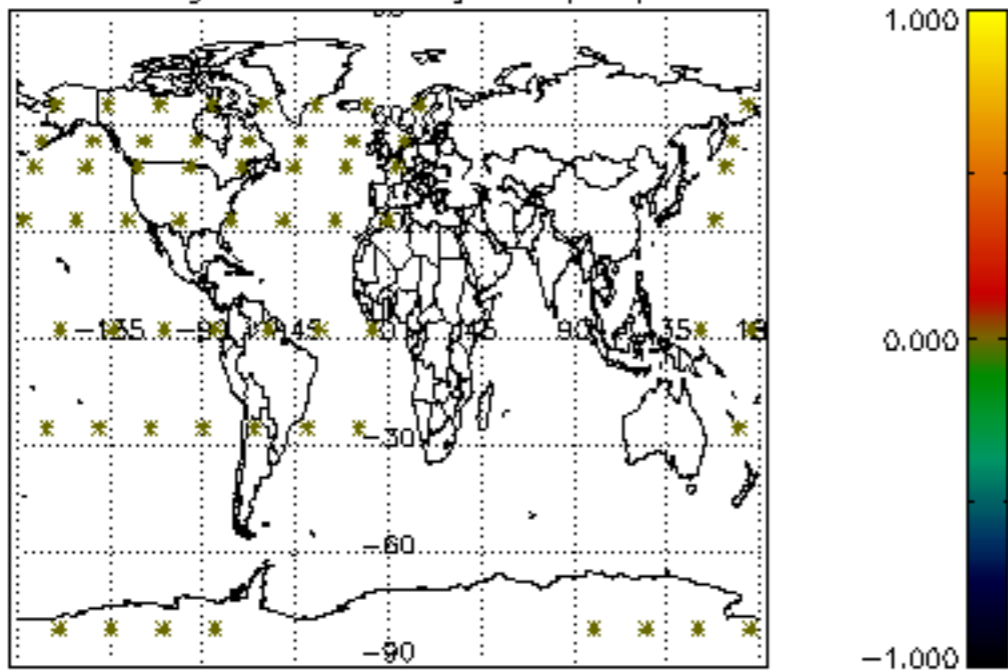
Percentage of star falling outside central band per profile



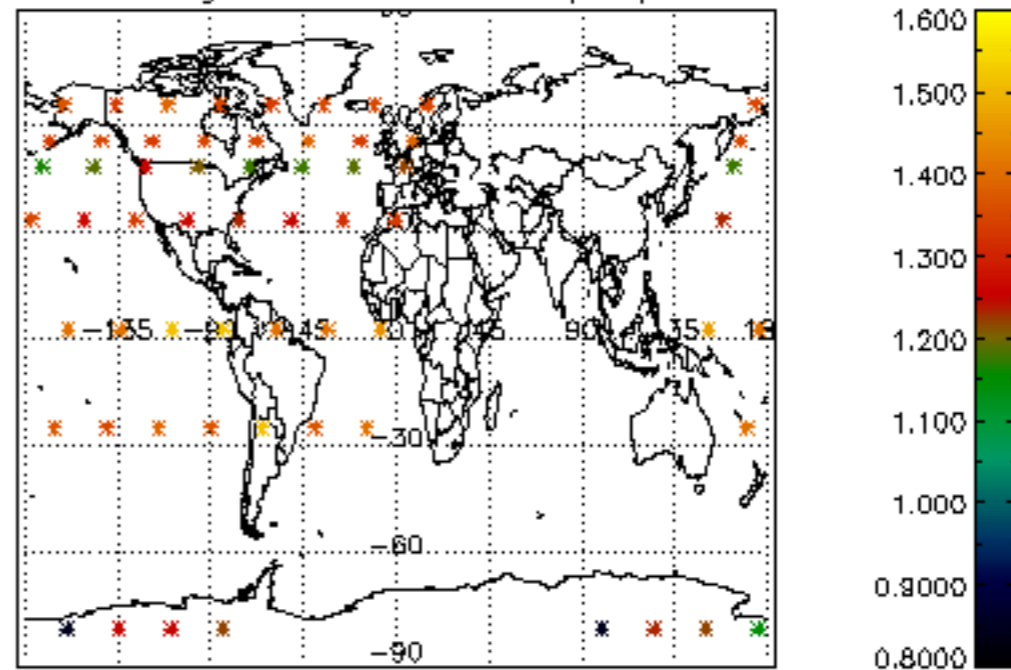
Percentage of saturation errors per profile



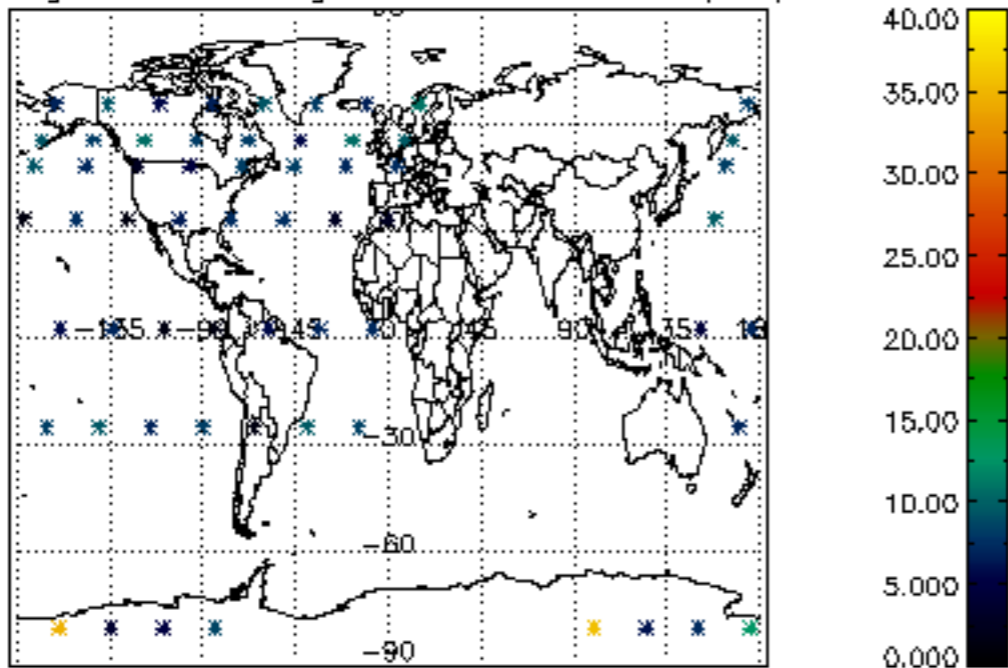
Percentage of cosmic ray hits per profile



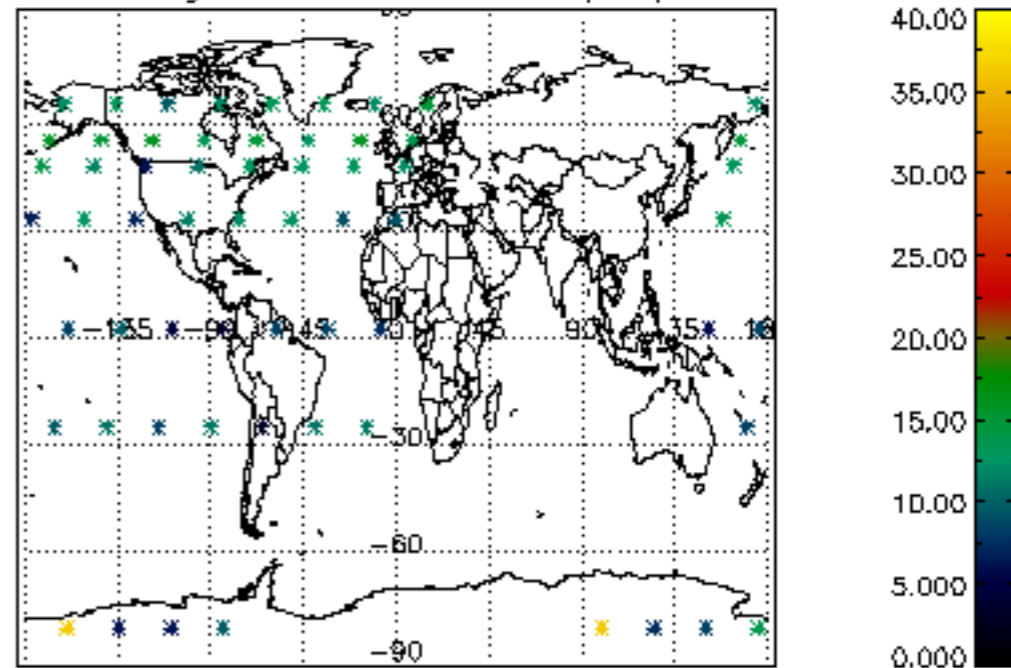
Percentage of datation errors per profile

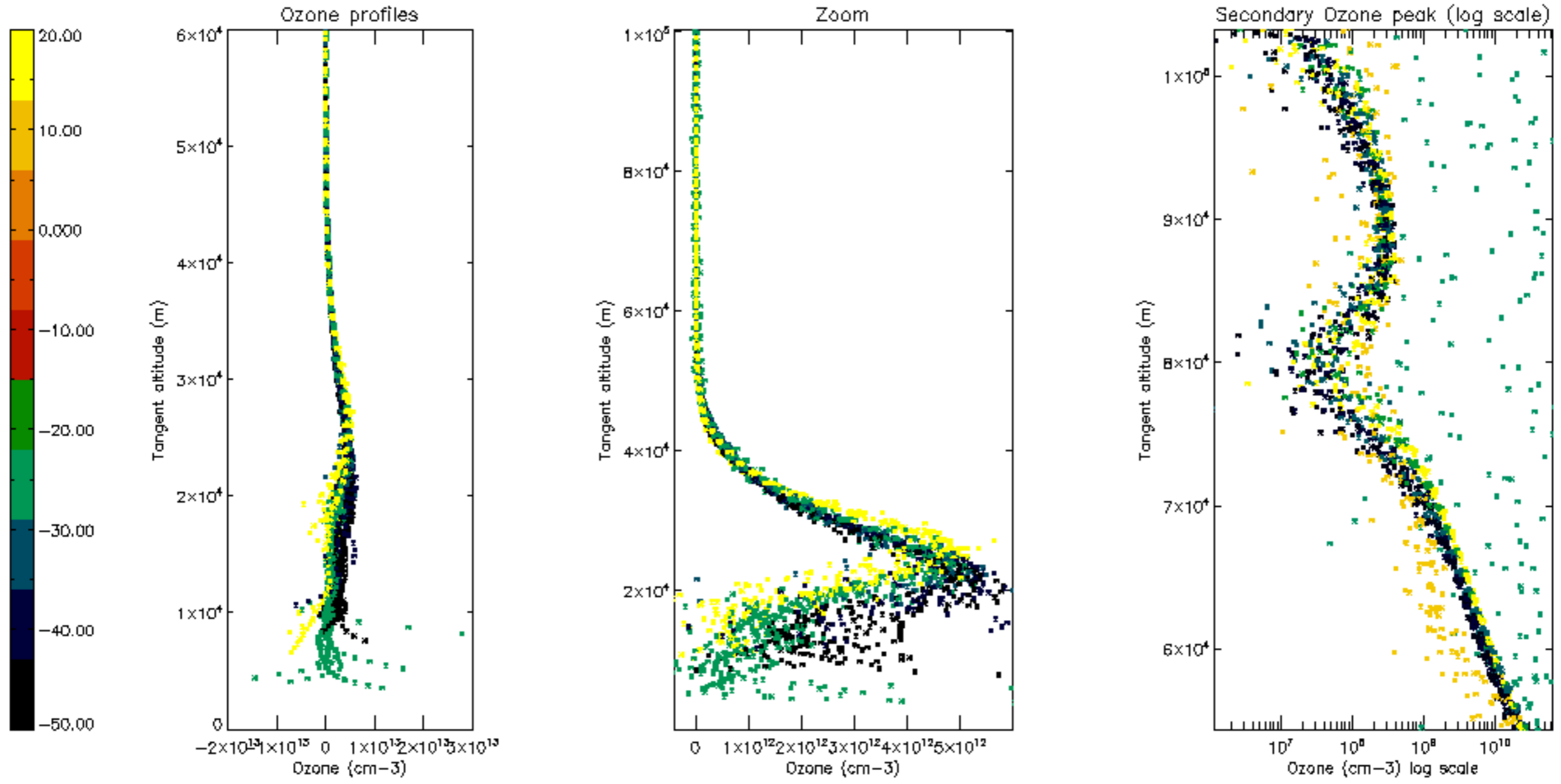


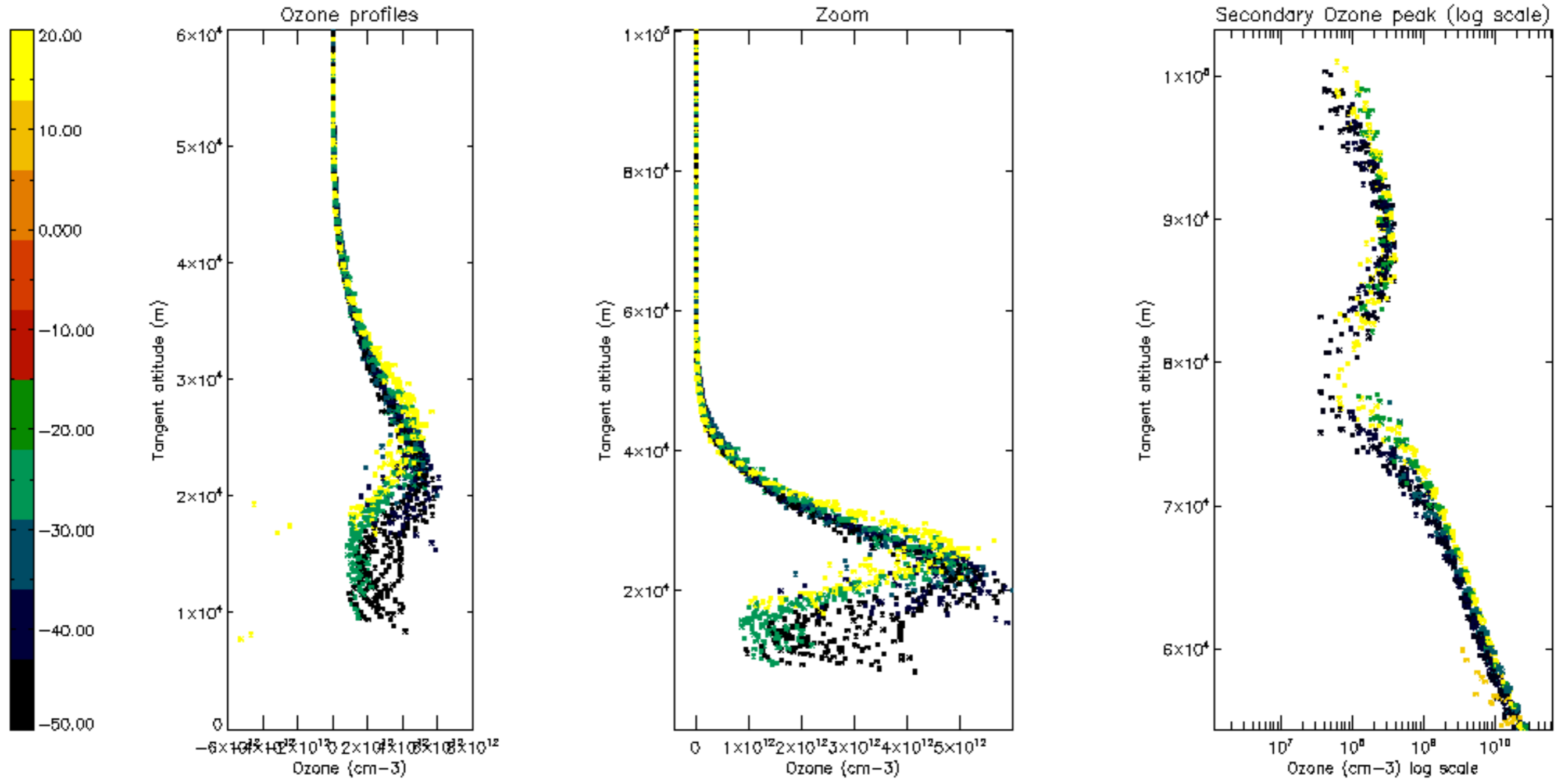
Percentage of star falling outside central band per profile

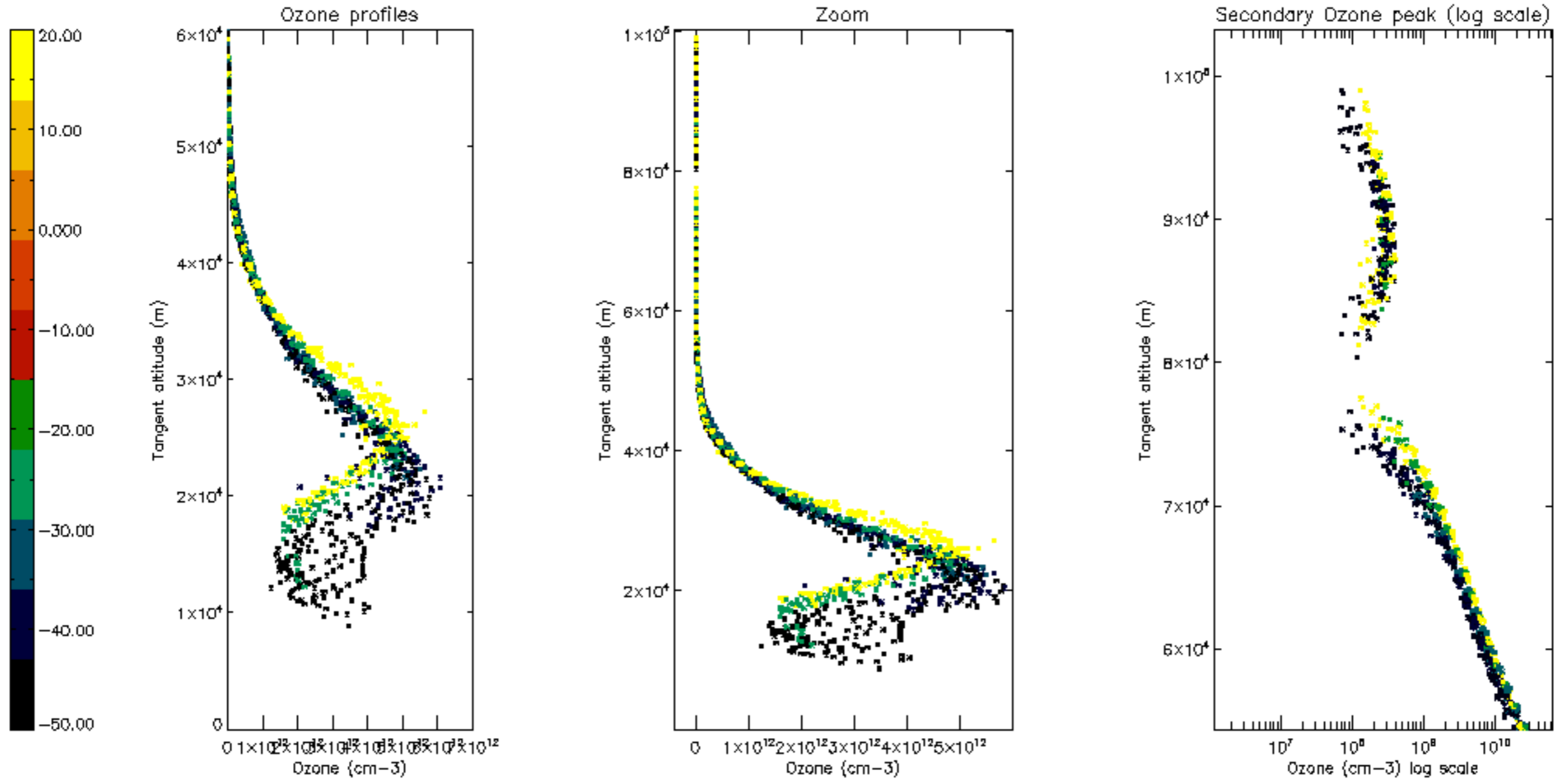


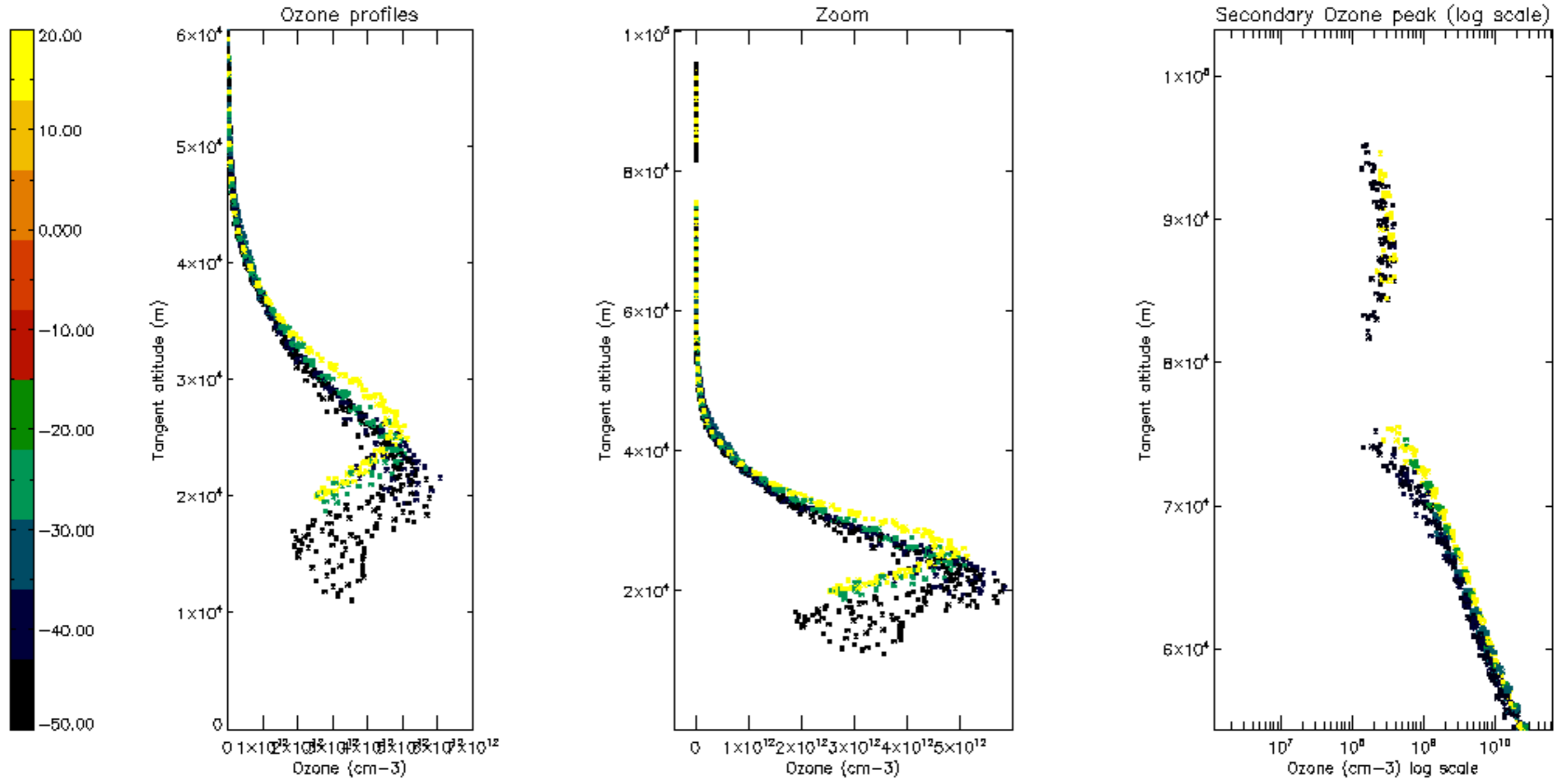
Percentage of saturation errors per profile

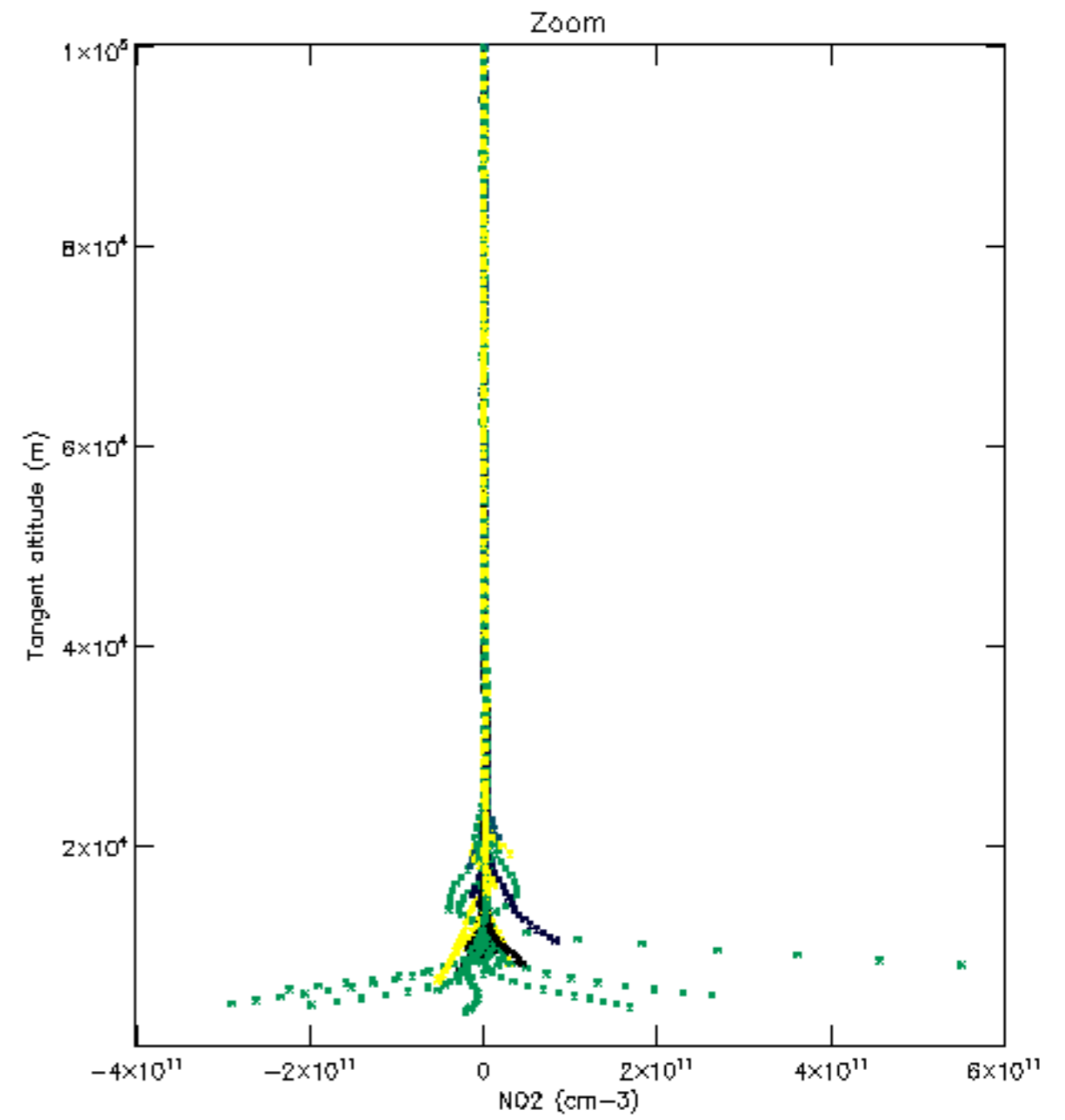
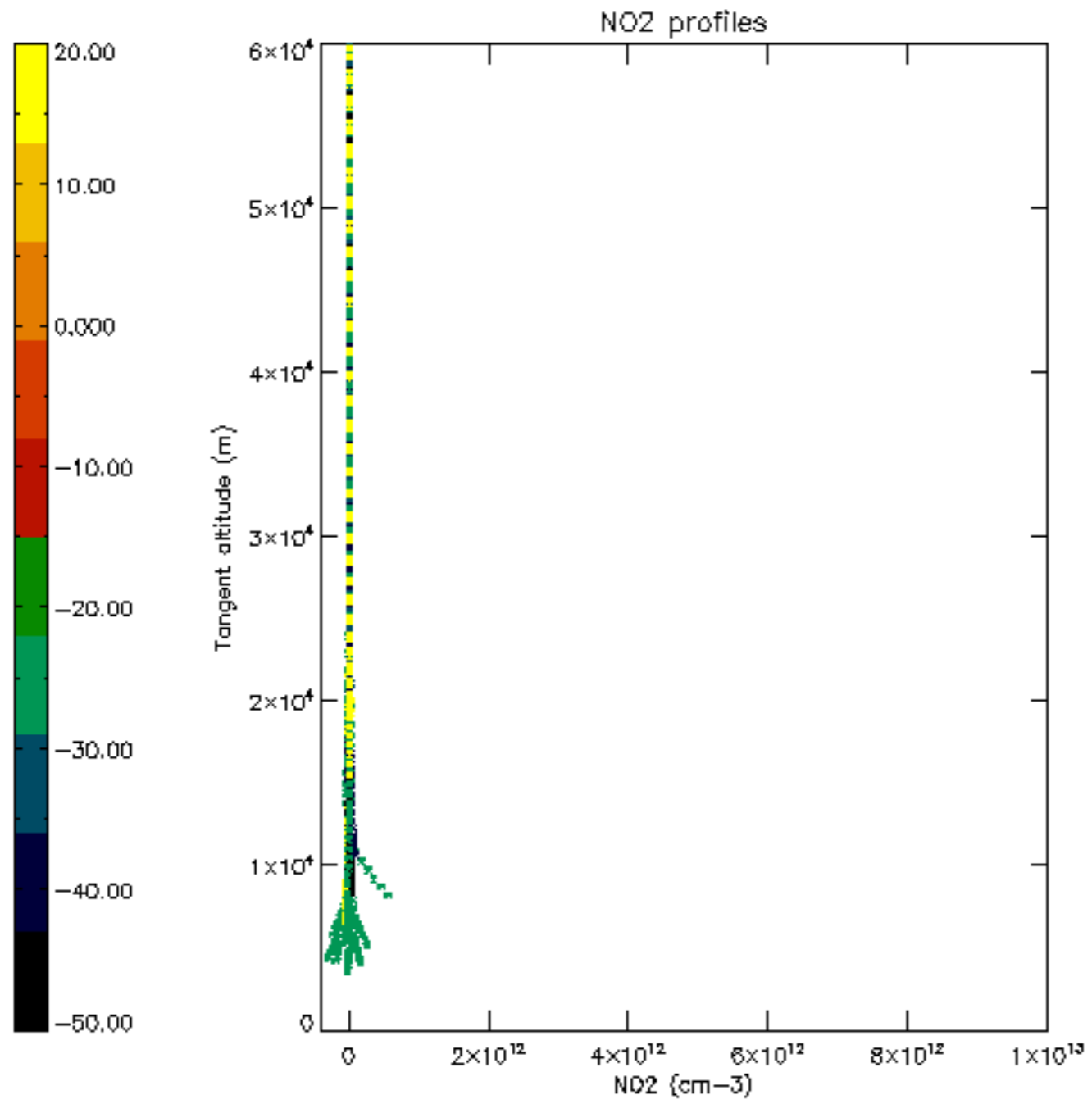


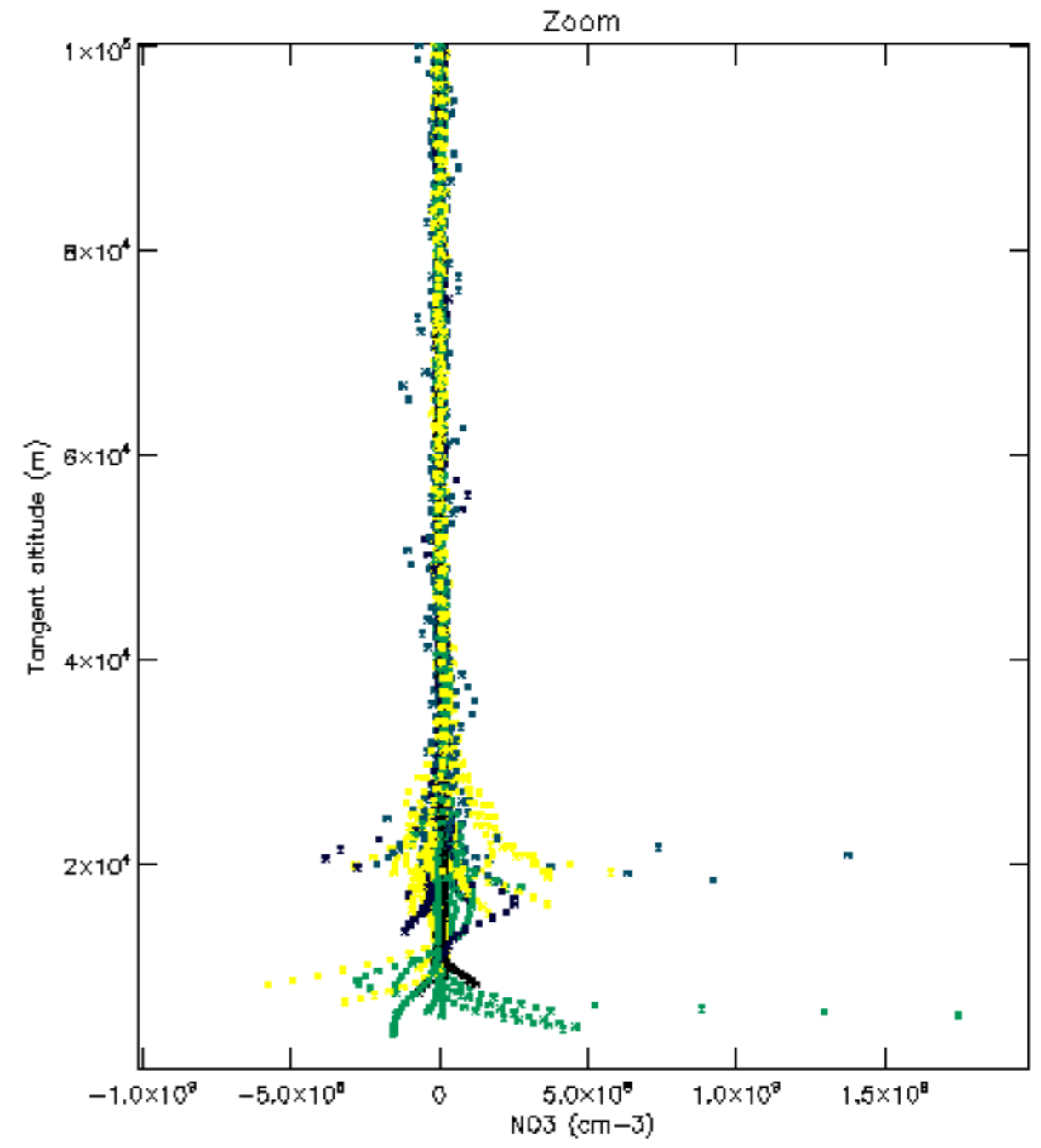
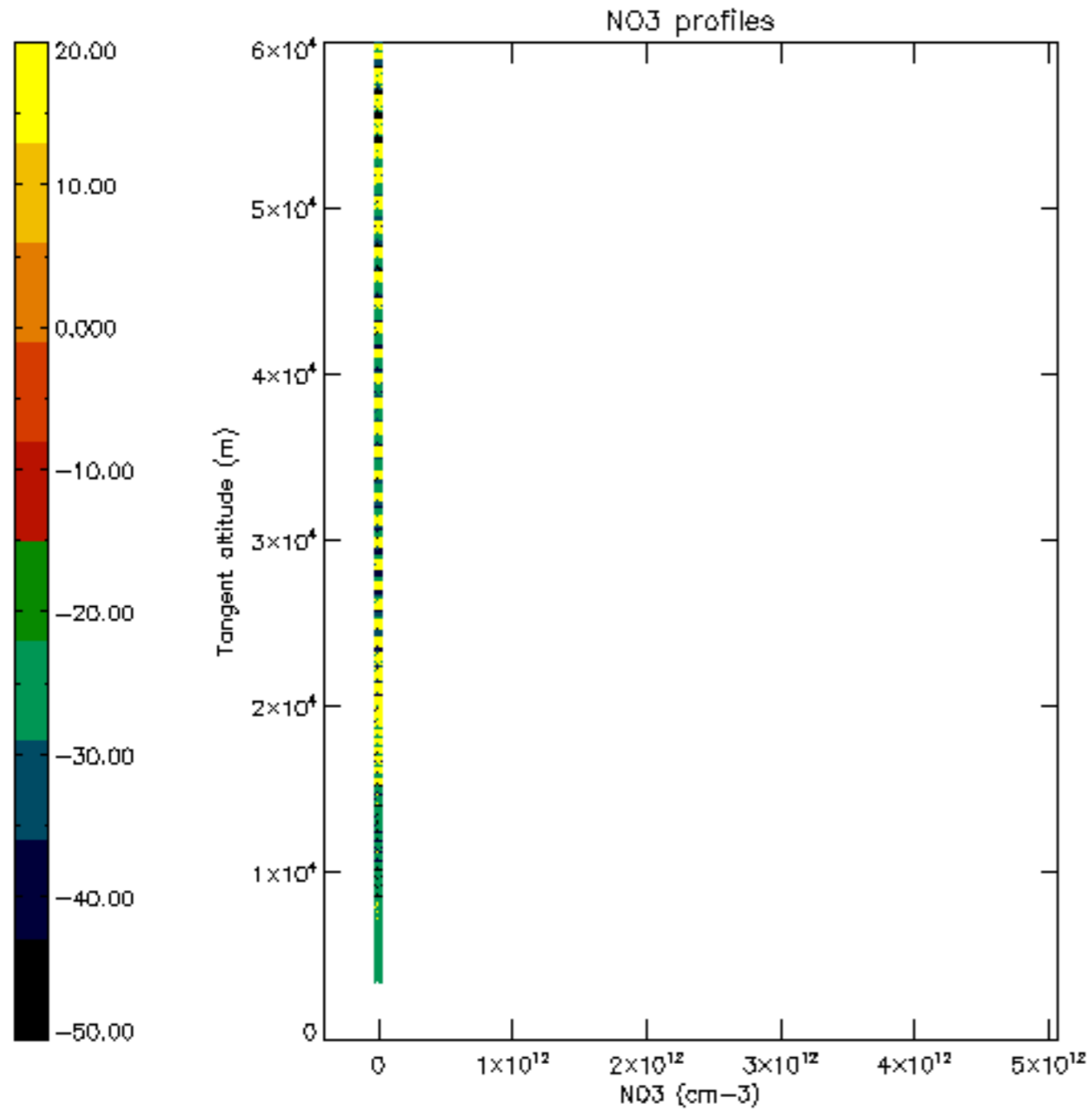


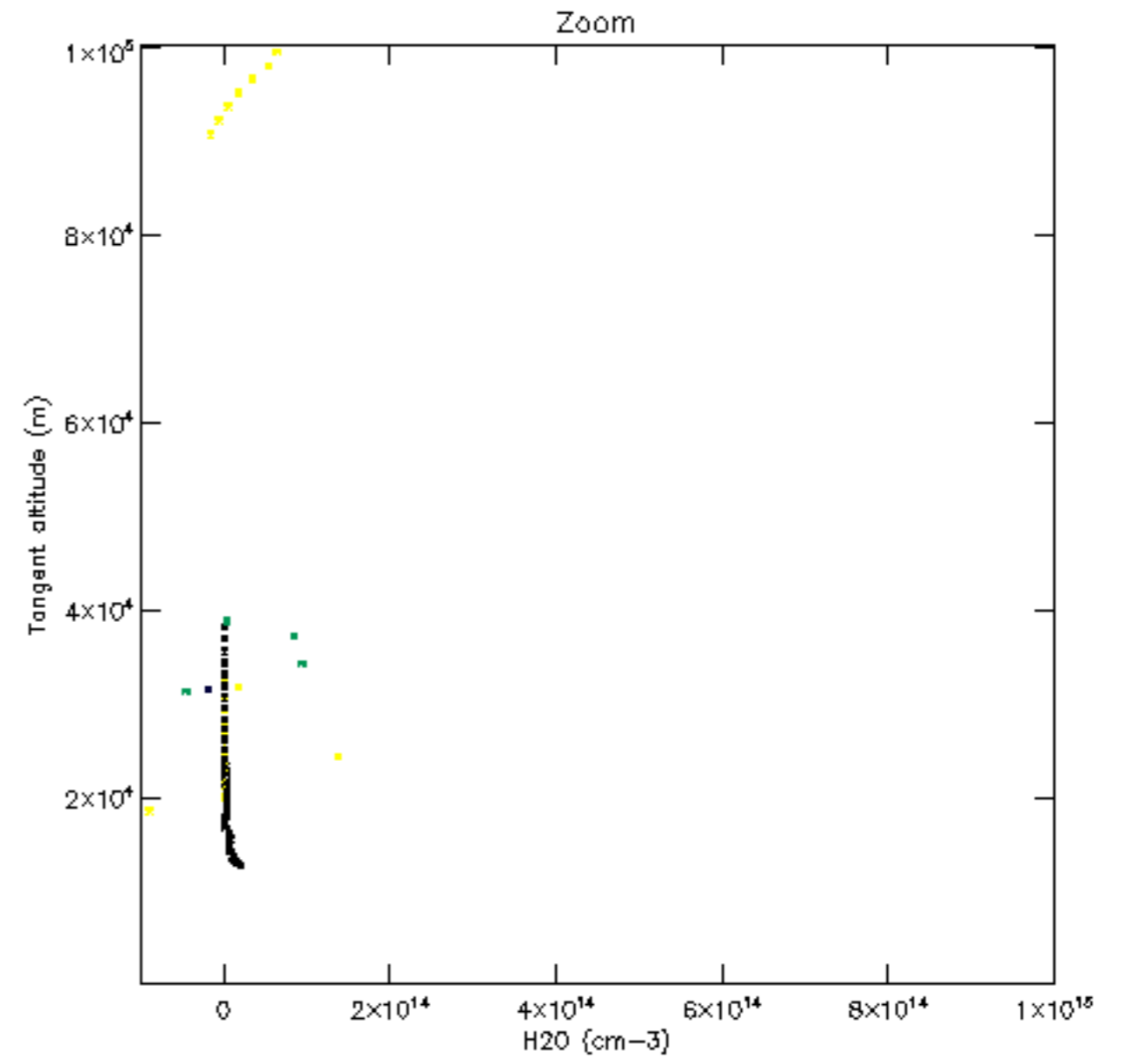
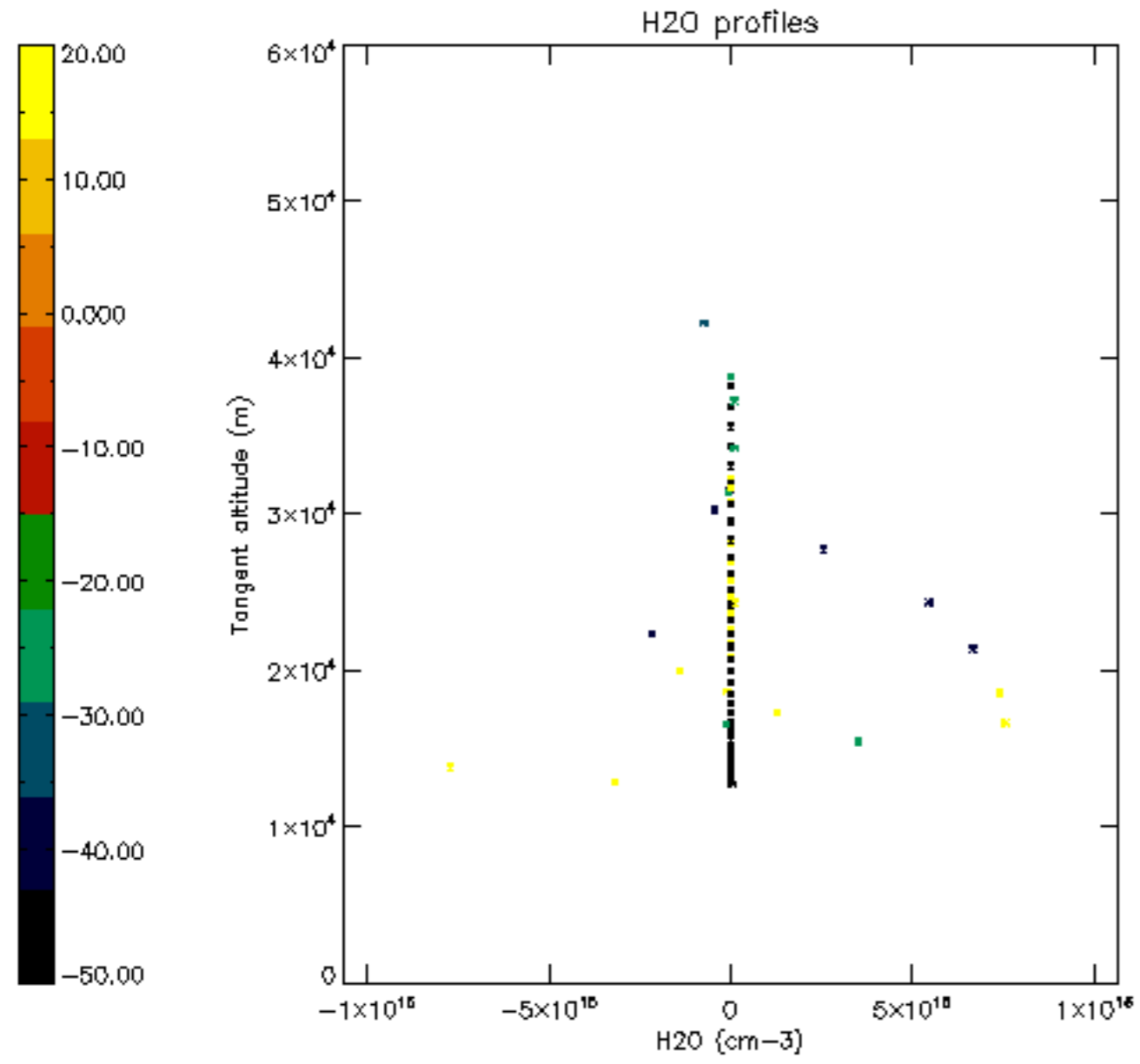


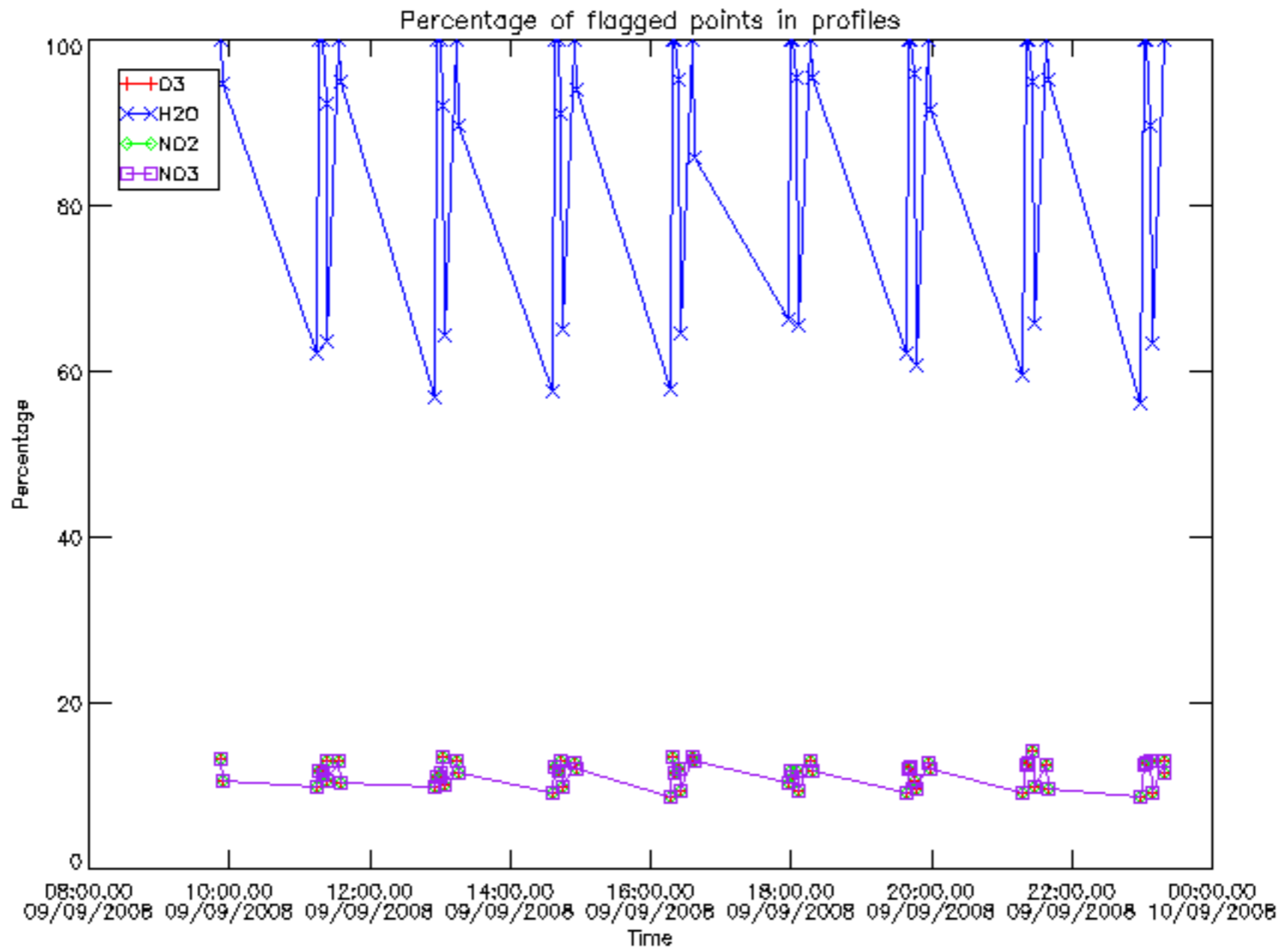




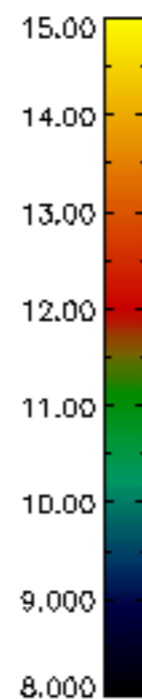
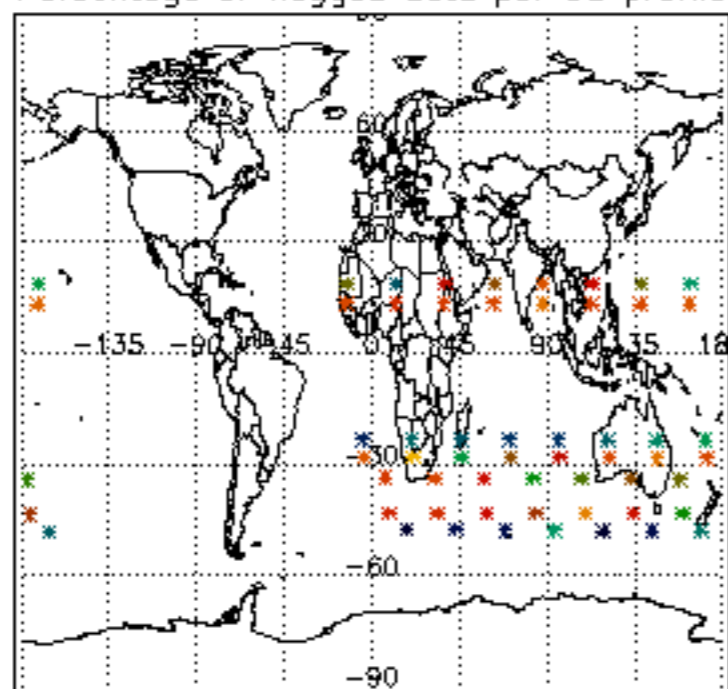




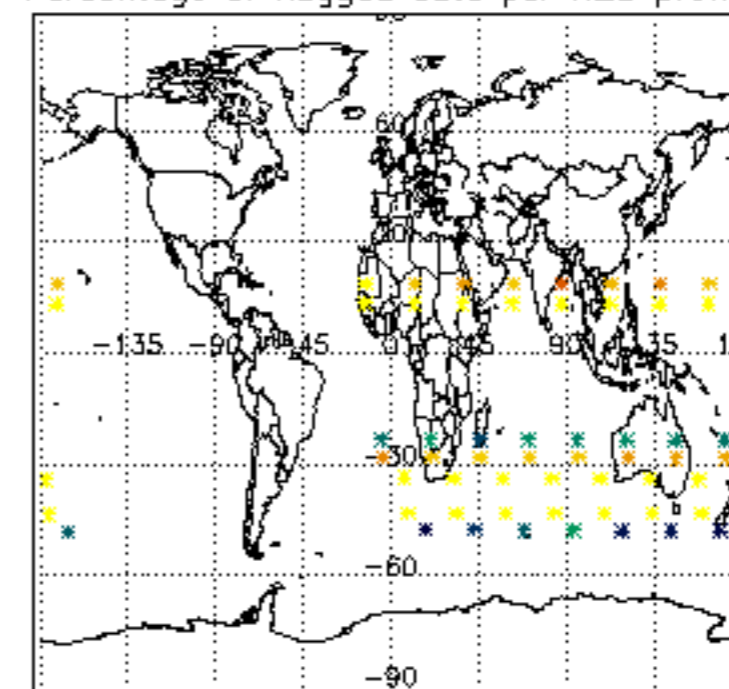




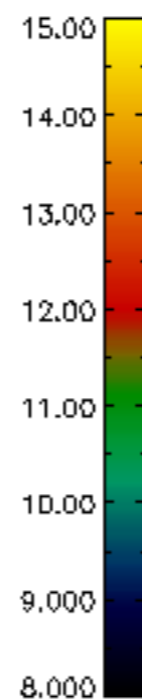
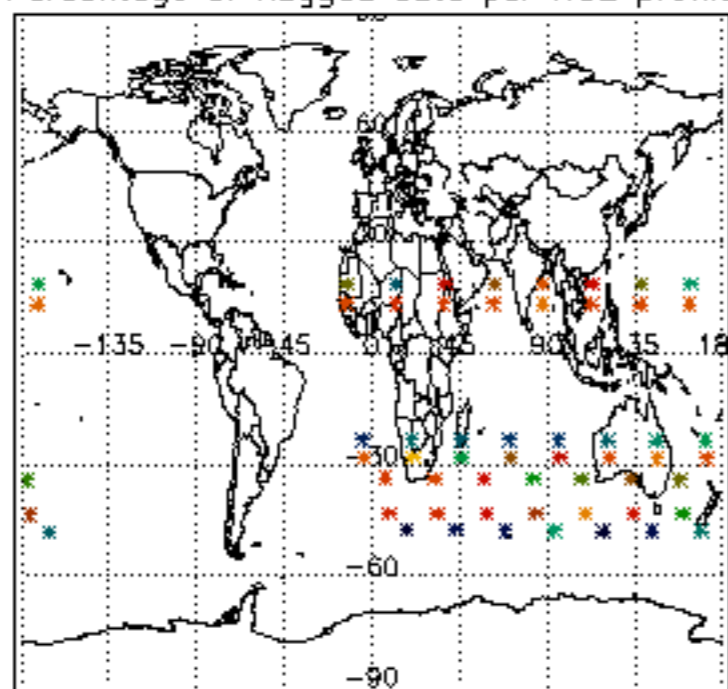
Percentage of flagged data per D3 profile



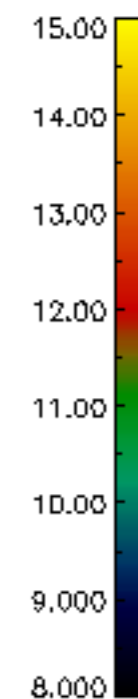
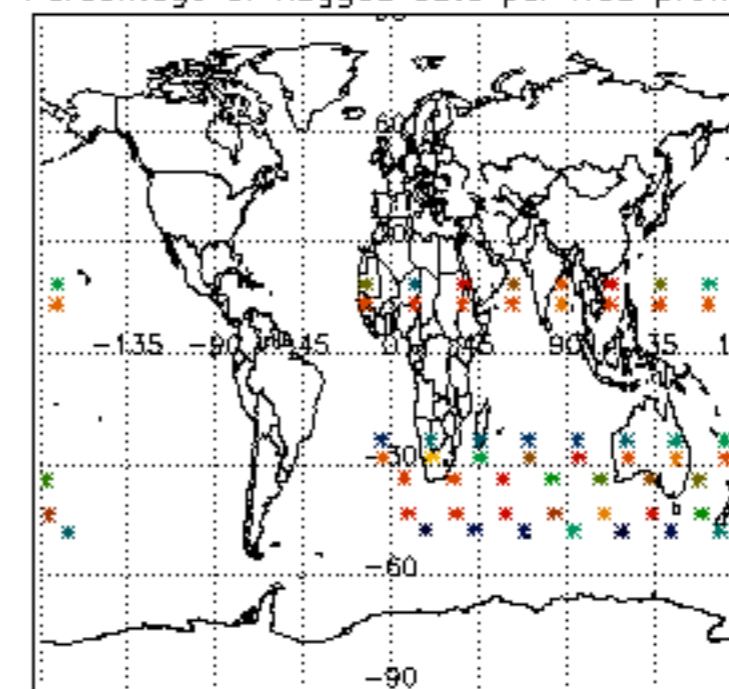
Percentage of flagged data per H2O profile

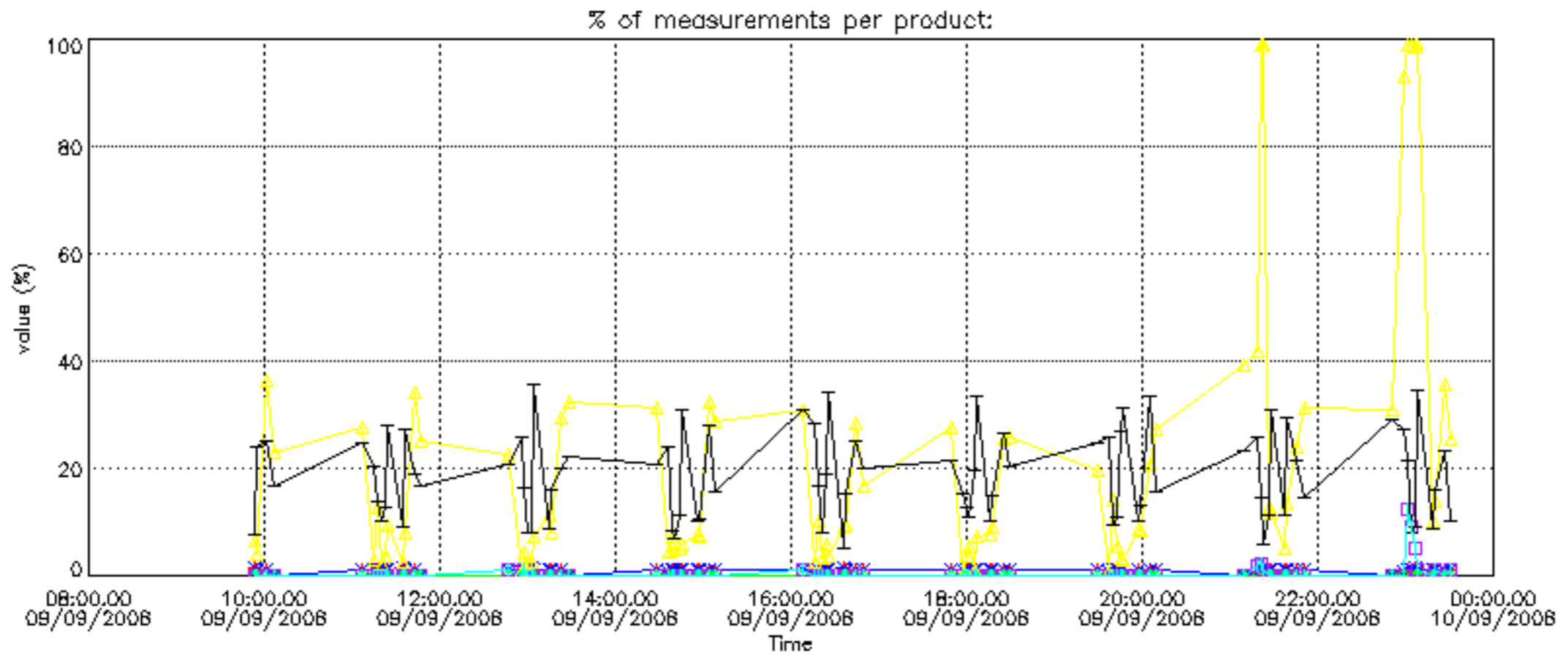


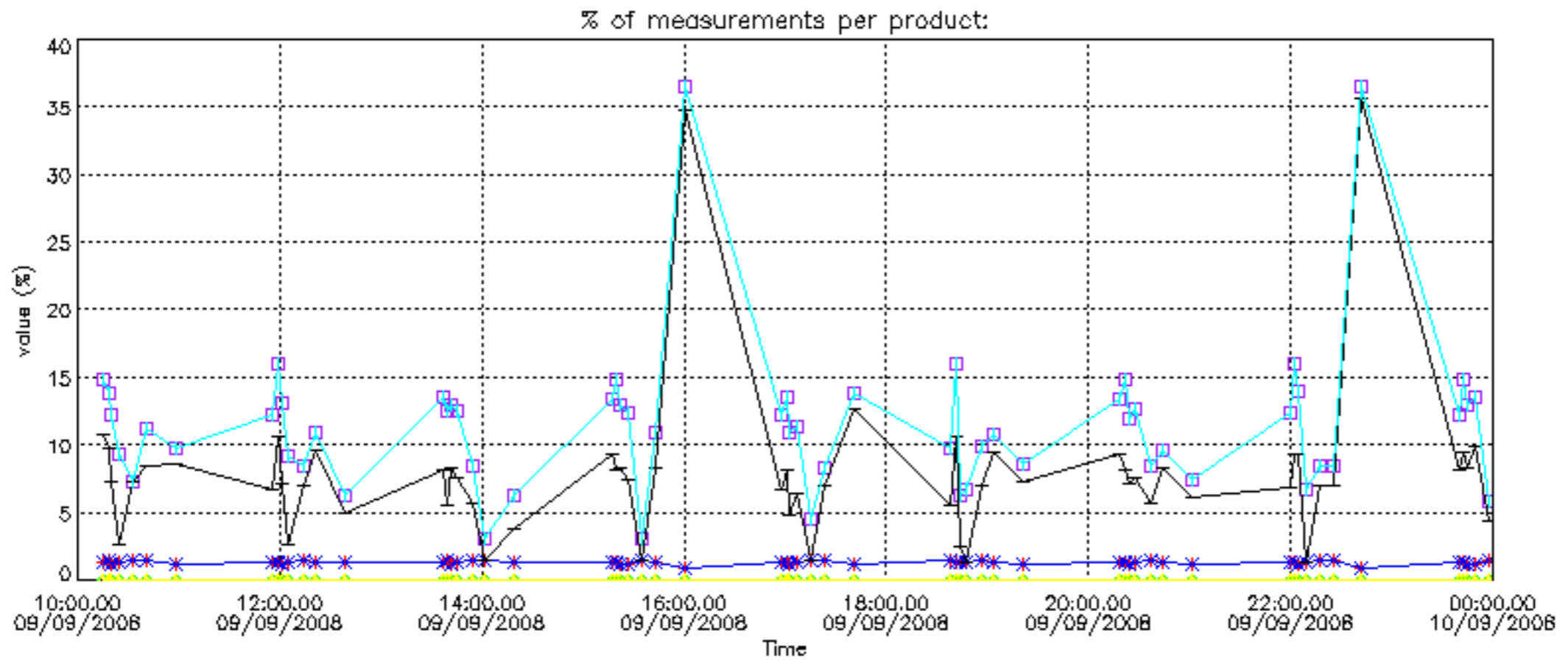
Percentage of flagged data per NO2 profile



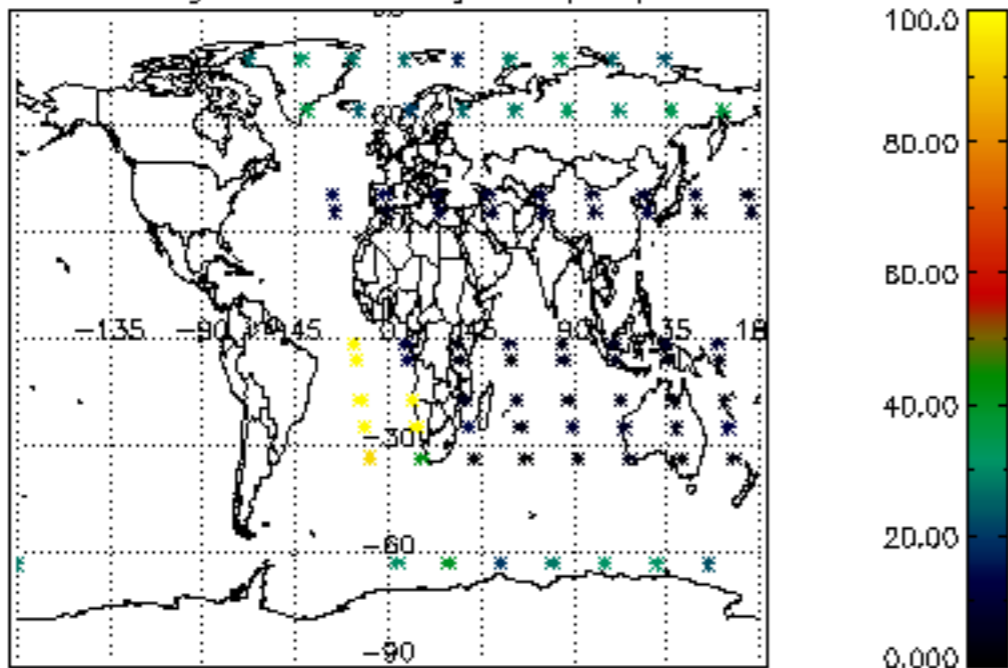
Percentage of flagged data per NO3 profile



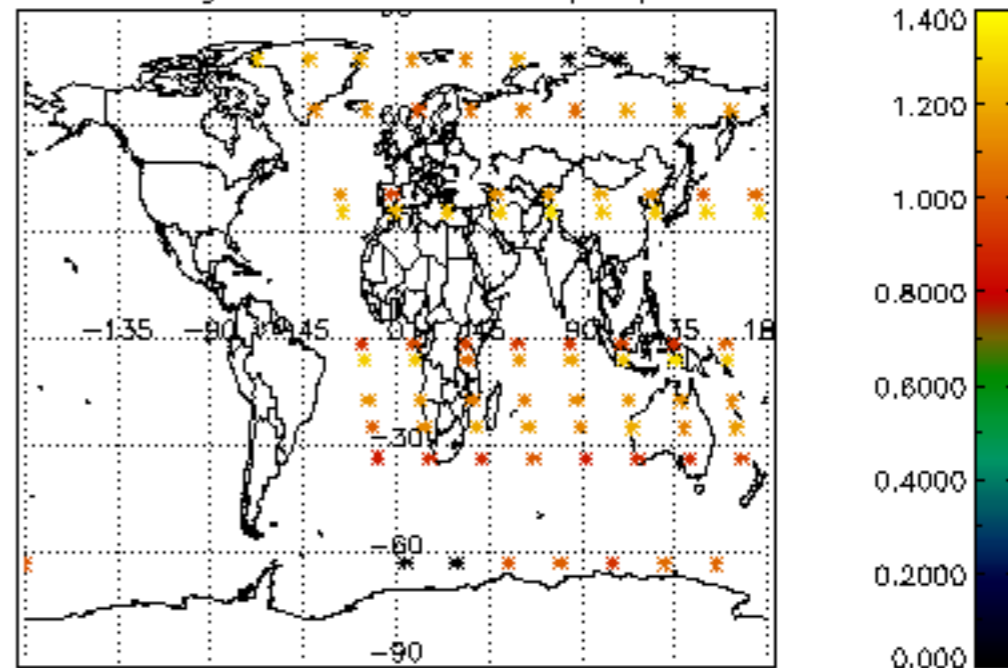




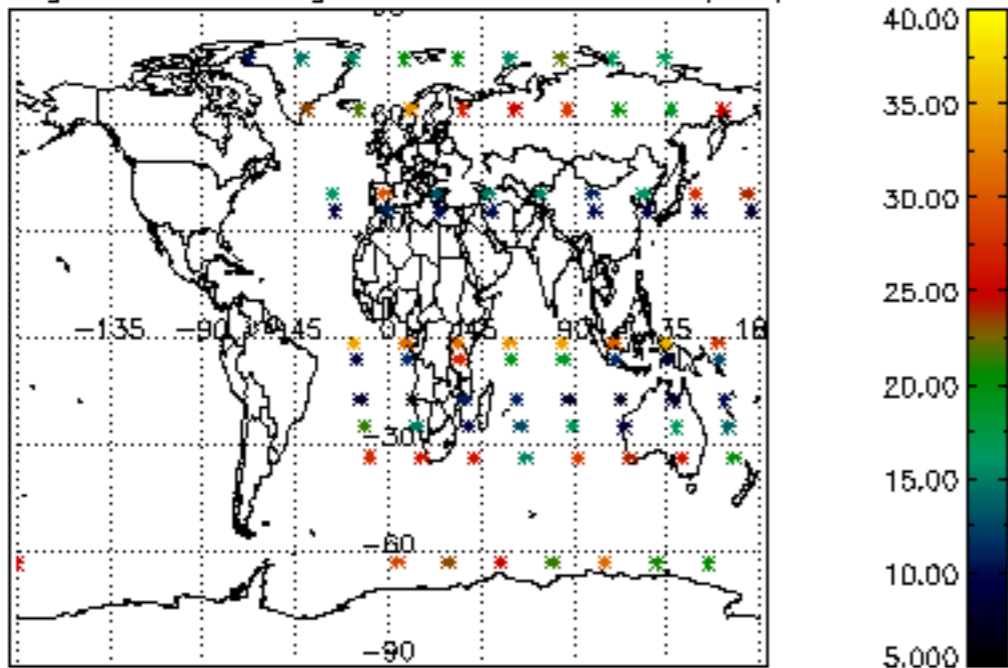
Percentage of cosmic ray hits per profile



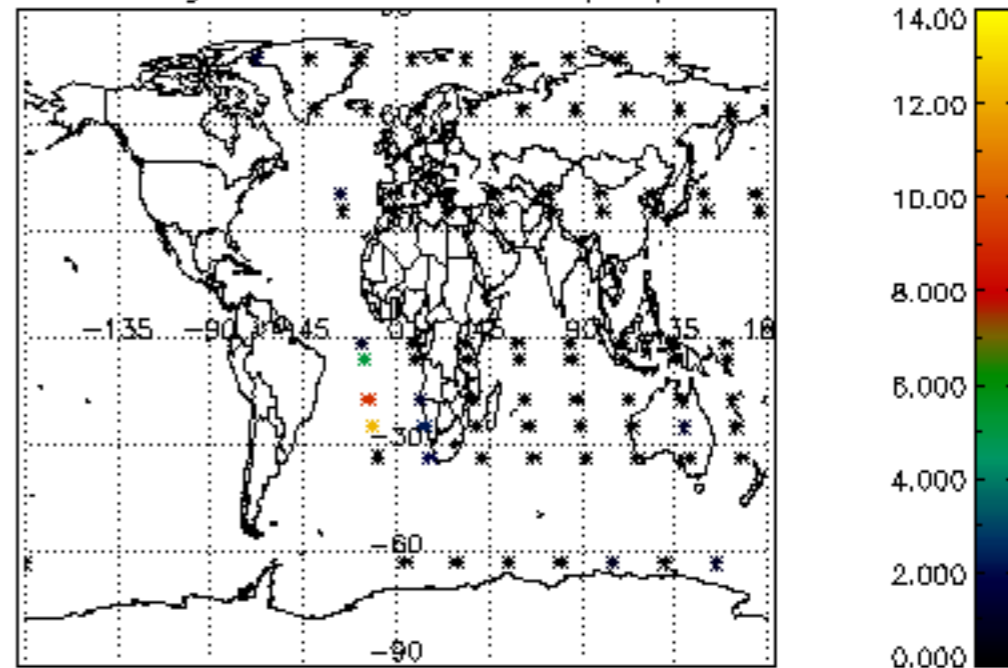
Percentage of datation errors per profile



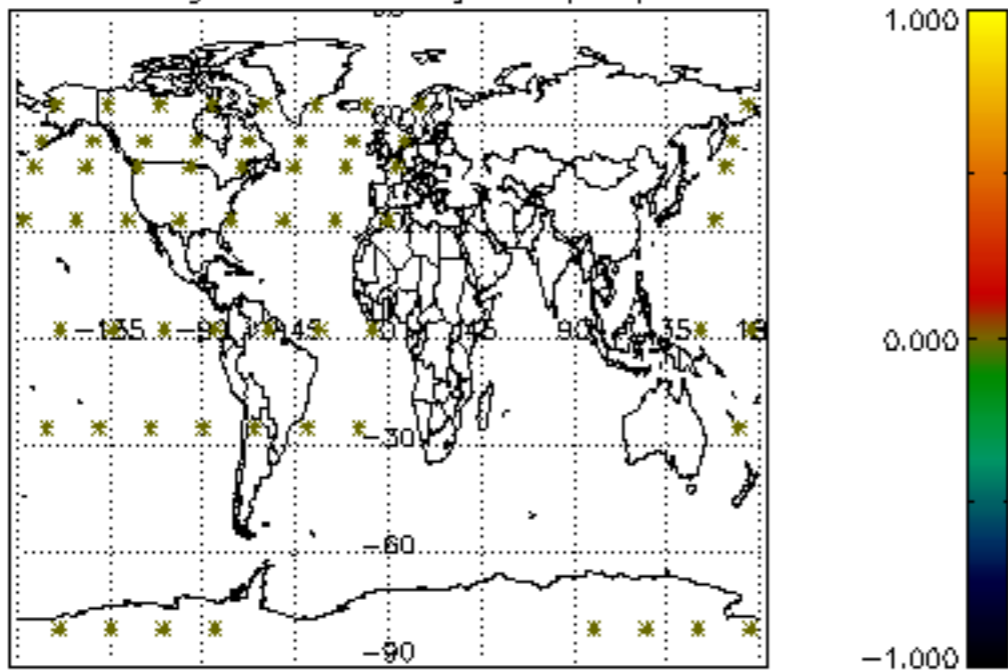
Percentage of star falling outside central band per profile



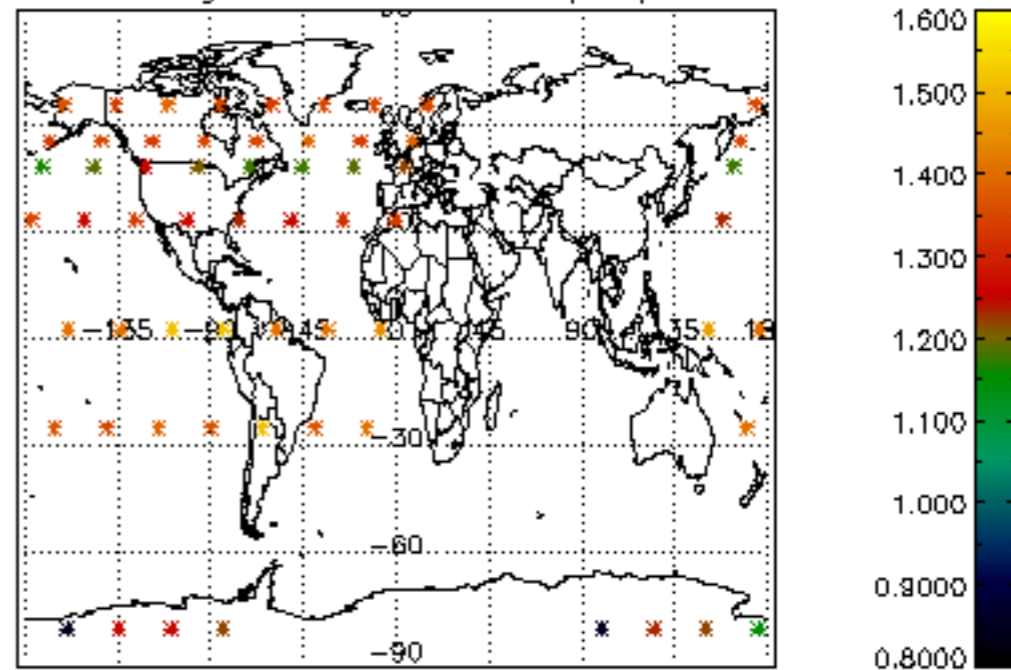
Percentage of saturation errors per profile



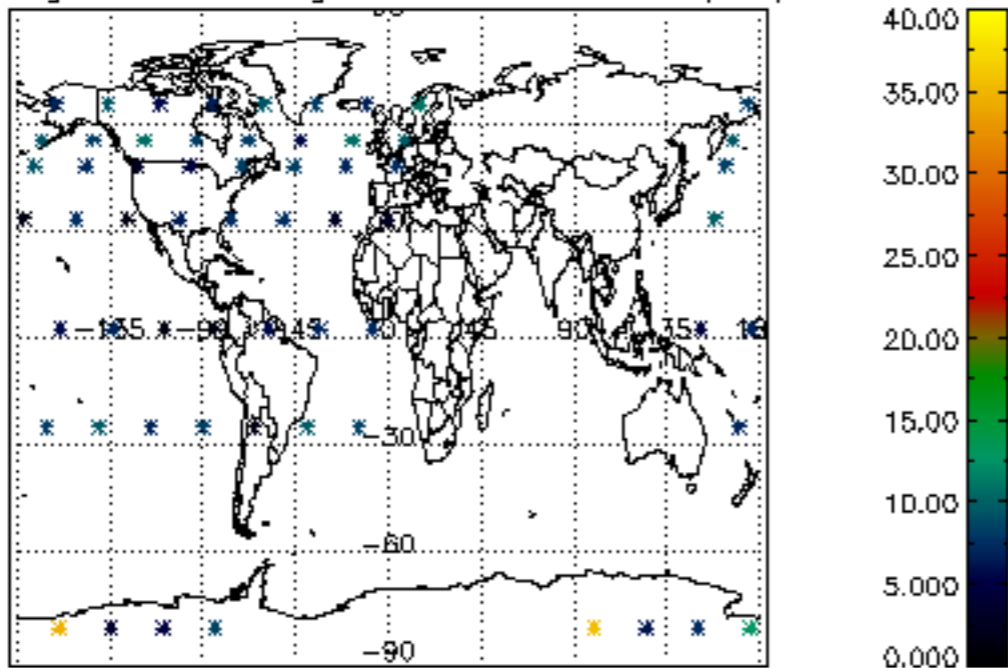
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

