

# GOMOS Level 2 Daily Report

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

Item	Value
Time of report generation	29APR2013 15:41:27
Data source version	GOMOS/6.01
Start time of products	04-10-2010 (04OCT2010 00:00:00)
Stop time of products	05-10-2010 (05OCT2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	176
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__2PRFIN20101004_000011_000000382093_00288_44931_4539.N1	04-OCT-2010 00:00:11	Bright	38.000	74	11Bet Cas	2.2680	6600.0	76	44931	No
2	GOM_NL__2PRFIN20101004_000126_000000382093_00288_44931_4540.N1	04-OCT-2010 00:01:26	Bright	38.000	76	27Gam Cas	2.3000	30000.	76	44931	No
3	GOM_NL__2PRFIN20101004_004450_000000492093_00288_44931_4541.N1	04-OCT-2010 00:44:50	Dark	48.500	132	15Rho Pup	2.8030	6900.0	97	44931	No
4	GOM_NL__2PRFIN20101004_004917_000000652093_00288_44931_4542.N1	04-OCT-2010 00:49:17	Dark	65.000	37	25Del CMa	1.8300	5900.0	130	44931	No
5	GOM_NL__2PRFIN20101004_005342_000000432093_00289_44932_4572.N1	04-OCT-2010 00:53:42	Dark	43.000	161	Tau Pup	2.9310	4500.0	86	44932	No
6	GOM_NL__2PRFIN20101004_005506_000000562093_00289_44932_4573.N1	04-OCT-2010 00:55:06	Dark	56.000	2	Alp Car	-0.73600	7000.0	112	44932	No
7	GOM_NL__2PRFIN20101004_005751_000000452093_00289_44932_4574.N1	04-OCT-2010 00:57:51	Dark	45.000	108	Alp Col	2.6520	15200.	90	44932	No
8	GOM_NL__2PRFIN20101004_010729_000000472093_00289_44932_4575.N1	04-OCT-2010 01:07:29	Straylight	46.500	157	The1Eri	2.9060	9300.0	93	44932	No
9	GOM_NL__2PRFIN20101004_011748_000000472093_00289_44932_4576.N1	04-OCT-2010 01:17:48	Straylight	46.500	52	16Bet Cet	2.0370	4500.0	93	44932	No
10	GOM_NL__2PRFIN20101004_012803_000000402093_00289_44932_4577.N1	04-OCT-2010 01:28:03	Bright	39.500	140	88Gam Peg	2.8340	26000.	79	44932	No
11	GOM_NL__2PRFIN20101004_013210_000000382093_00289_44932_4578.N1	04-OCT-2010 01:32:10	Bright	38.000	58	21Alp And	2.0730	11000.	76	44932	No
12	GOM_NL__2PRFIN20101004_013539_000000472093_00289_44932_4579.N1	04-OCT-2010 01:35:39	Bright	47.000	53	43Bet And	2.0480	3300.0	94	44932	No
13	GOM_NL__2PRFIN20101004_014047_000000392093_00289_44932_4580.N1	04-OCT-2010 01:40:47	Bright	39.000	74	11Bet Cas	2.2680	6600.0	78	44932	No
14	GOM_NL__2PRFIN20101004_014202_000000372093_00289_44932_4581.N1	04-OCT-2010 01:42:02	Bright	36.500	76	27Gam Cas	2.3000	30000.	73	44932	No
15	GOM_NL__2PRFIN20101004_022526_000000462093_00289_44932_4582.N1	04-OCT-2010 02:25:26	Dark	45.500	132	15Rho Pup	2.8030	6900.0	91	44932	No
16	GOM_NL__2PRFIN20101004_022954_000000572093_00289_44932_4583.N1	04-OCT-2010 02:29:54	Dark	57.000	37	25Del CMa	1.8300	5900.0	114	44932	No
17	GOM_NL__2PRFIN20101004_023419_000000412093_00290_44933_4598.N1	04-OCT-2010 02:34:19	Dark	41.000	161	Tau Pup	2.9310	4500.0	82	44933	No
18	GOM_NL__2PRFIN20101004_023543_000000462093_00290_44933_4599.N1	04-OCT-2010 02:35:43	Dark	46.000	2	Alp Car	-0.73600	7000.0	92	44933	No
19	GOM_NL__2PRFIN20101004_023829_000000452093_00290_44933_4600.N1	04-OCT-2010 02:38:29	Dark	45.000	108	Alp Col	2.6520	15200.	90	44933	No
20	GOM_NL__2PRFIN20101004_024805_000000502093_00290_44933_4601.N1	04-OCT-2010 02:48:05	Straylight	49.500	157	The1Eri	2.9060	9300.0	99	44933	No
21	GOM_NL__2PRFIN20101004_025824_000000522093_00290_44933_4602.N1	04-OCT-2010 02:58:24	Straylight	52.000	52	16Bet Cet	2.0370	4500.0	104	44933	No
22	GOM_NL__2PRFIN20101004_030839_000000402093_00290_44933_4603.N1	04-OCT-2010 03:08:39	Bright	39.500	140	88Gam Peg	2.8340	26000.	79	44933	No
23	GOM_NL__2PRFIN20101004_031246_000000392093_00290_44933_4604.N1	04-OCT-2010 03:12:46	Bright	38.500	58	21Alp And	2.0730	11000.	77	44933	No
24	GOM_NL__2PRFIN20101004_031615_000000502093_00290_44933_4605.N1	04-OCT-2010 03:16:15	Bright	49.500	53	43Bet And	2.0480	3300.0	99	44933	No
25	GOM_NL__2PRFIN20101004_032122_000000392093_00290_44933_4606.N1	04-OCT-2010 03:21:22	Bright	38.500	74	11Bet Cas	2.2680	6600.0	77	44933	No
26	GOM_NL__2PRFIN20101004_032238_000000392093_00290_44933_4607.N1	04-OCT-2010 03:22:38	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	44933	No
27	GOM_NL__2PRFIN20101004_040603_000000472093_00290_44933_4608.N1	04-OCT-2010 04:06:03	Dark	47.000	132	15Rho Pup	2.8030	6900.0	94	44933	No
28	GOM_NL__2PRFIN20101004_041031_000000562093_00290_44933_4609.N1	04-OCT-2010 04:10:31	Dark	55.500	37	25Del CMa	1.8300	5900.0	111	44933	No
29	GOM_NL__2PRFIN20101004_041455_000000462093_00291_44934_4630.N1	04-OCT-2010 04:14:55	Dark	45.500	161	Tau Pup	2.9310	4500.0	91	44934	No
30	GOM_NL__2PRFIN20101004_041620_000000472093_00291_44934_4631.N1	04-OCT-2010 04:16:20	Dark	47.000	2	Alp Car	-0.73600	7000.0	94	44934	No
31	GOM_NL__2PRFIN20101004_041906_000000432093_00291_44934_4632.N1	04-OCT-2010 04:19:06	Dark	43.000	108	Alp Col	2.6520	15200.	86	44934	No
32	GOM_NL__2PRFIN20101004_042842_000000482093_00291_44934_4633.N1	04-OCT-2010 04:28:42	Straylight	48.000	157	The1Eri	2.9060	9300.0	96	44934	No
33	GOM_NL__2PRFIN20101004_043900_000000462093_00291_44934_4634.N1	04-OCT-2010 04:39:00	Straylight	45.500	52	16Bet Cet	2.0370	4500.0	91	44934	No
34	GOM_NL__2PRFIN20101004_044915_000000402093_00291_44934_4635.N1	04-OCT-2010 04:49:15	Bright	40.000	140	88Gam Peg	2.8340	26000.	80	44934	No
35	GOM_NL__2PRFIN20101004_045321_000000392093_00291_44934_4636.N1	04-OCT-2010 04:53:21	Bright	39.000	58	21Alp And	2.0730	11000.	78	44934	No
36	GOM_NL__2PRFIN20101004_045650_000000472093_00291_44934_4637.N1	04-OCT-2010 04:56:50	Bright	47.000	53	43Bet And	2.0480	3300.0	94	44934	No
37	GOM_NL__2PRFIN20101004_050158_000000402093_00291_44934_4638.N1	04-OCT-2010 05:01:58	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	44934	No
38	GOM_NL__2PRFIN20101004_050313_000000412093_00291_44934_4639.N1	04-OCT-2010 05:03:13	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	44934	No
39	GOM_NL__2PRFIN20101004_054640_000000492093_00291_44934_4640.N1	04-OCT-2010 05:46:40	Dark	49.000	132	15Rho Pup	2.8030	6900.0	98	44934	No
40	GOM_NL__2PRFIN20101004_055109_000000612093_00291_44934_4641.N1	04-OCT-2010 05:51:09	Dark	60.500	37	25Del CMa	1.8300	5900.0	121	44934	No
41	GOM_NL__2PRFIN20101004_055532_000000422093_00292_44935_4647.N1	04-OCT-2010 05:55:32	Dark	42.000	161	Tau Pup	2.9310	4500.0	84	44935	No
42	GOM_NL__2PRFIN20101004_055656_000000452093_00292_44935_4648.N1	04-OCT-2010 05:56:56	Dark	45.000	2	Alp Car	-0.73600	7000.0	90	44935	No

43	GOM_NL__2PRFIN20101004_055944_000000432093_00292_44935_4649.N1	04-OCT-2010 05:59:44	Dark	43.000	108	Alp Col	2.6520	15200.	86	44935	No
44	GOM_NL__2PRFIN20101004_060919_000000472093_00292_44935_4650.N1	04-OCT-2010 06:09:19	Straylight	46.500	157	The1Eri	2.9060	9300.0	93	44935	No
45	GOM_NL__2PRFIN20101004_061936_000000482093_00292_44935_4651.N1	04-OCT-2010 06:19:36	Straylight	48.000	52	16Bet Cet	2.0370	4500.0	96	44935	No
46	GOM_NL__2PRFIN20101004_062950_000000392093_00292_44935_4652.N1	04-OCT-2010 06:29:50	Bright	38.500	140	88Gam Peg	2.8340	26000.	77	44935	No
47	GOM_NL__2PRFIN20101004_063357_000000392093_00292_44935_4653.N1	04-OCT-2010 06:33:57	Bright	39.000	58	21Alp And	2.0730	11000.	78	44935	No
48	GOM_NL__2PRFIN20101004_063725_000000462093_00292_44935_4654.N1	04-OCT-2010 06:37:25	Bright	45.500	53	43Bet And	2.0480	3300.0	91	44935	No
49	GOM_NL__2PRFIN20101004_064234_000000382093_00292_44935_4655.N1	04-OCT-2010 06:42:34	Bright	37.500	74	11Bet Cas	2.2680	6600.0	75	44935	No
50	GOM_NL__2PRFIN20101004_064349_000000402093_00292_44935_4656.N1	04-OCT-2010 06:43:49	Bright	40.000	76	27Gam Cas	2.3000	30000.	80	44935	No
51	GOM_NL__2PRFIN20101004_072717_000000482093_00292_44935_4657.N1	04-OCT-2010 07:27:17	Dark	47.500	132	15Rho Pup	2.8030	6900.0	95	44935	No
52	GOM_NL__2PRFIN20101004_073146_000000612093_00292_44935_4658.N1	04-OCT-2010 07:31:46	Dark	61.000	37	25Del CMa	1.8300	5900.0	122	44935	No
53	GOM_NL__2PRFIN20101004_073609_000000512093_00293_44936_4678.N1	04-OCT-2010 07:36:09	Dark	51.000	161	Tau Pup	2.9310	4500.0	102	44936	No
54	GOM_NL__2PRFIN20101004_073733_000000552093_00293_44936_4679.N1	04-OCT-2010 07:37:33	Dark	55.000	2	Alp Car	-0.73600	7000.0	110	44936	No
55	GOM_NL__2PRFIN20101004_074021_000000412093_00293_44936_4680.N1	04-OCT-2010 07:40:21	Dark	41.000	108	Alp Col	2.6520	15200.	82	44936	No
56	GOM_NL__2PRFIN20101004_074955_000000502093_00293_44936_4681.N1	04-OCT-2010 07:49:55	Straylight	49.500	157	The1Eri	2.9060	9300.0	99	44936	No
57	GOM_NL__2PRFIN20101004_080012_000000472093_00293_44936_4682.N1	04-OCT-2010 08:00:12	Straylight	46.500	52	16Bet Cet	2.0370	4500.0	93	44936	No
58	GOM_NL__2PRFIN20101004_081026_000000402093_00293_44936_4683.N1	04-OCT-2010 08:10:26	Bright	40.000	140	88Gam Peg	2.8340	26000.	80	44936	No
59	GOM_NL__2PRFIN20101004_081433_000000402093_00293_44936_4684.N1	04-OCT-2010 08:14:33	Bright	40.000	58	21Alp And	2.0730	11000.	80	44936	No
60	GOM_NL__2PRFIN20101004_081801_000000452093_00293_44936_4685.N1	04-OCT-2010 08:18:01	Bright	44.500	53	43Bet And	2.0480	3300.0	89	44936	No
61	GOM_NL__2PRFIN20101004_082310_000000392093_00293_44936_4686.N1	04-OCT-2010 08:23:10	Bright	39.000	74	11Bet Cas	2.2680	6600.0	78	44936	No
62	GOM_NL__2PRFIN20101004_082424_000000402093_00293_44936_4687.N1	04-OCT-2010 08:24:24	Bright	40.000	76	27Gam Cas	2.3000	30000.	80	44936	No
63	GOM_NL__2PRFIN20101004_082757_000000262093_00293_44936_4688.N1	04-OCT-2010 08:27:57	Tw_i_and_stray	26.000	160	23Gam Per	2.9300	4700.0	52	44936	No
64	GOM_NL__2PRFIN20101004_090754_000000432093_00293_44936_4689.N1	04-OCT-2010 09:07:54	Dark	43.000	132	15Rho Pup	2.8030	6900.0	86	44936	No
65	GOM_NL__2PRFIN20101004_091223_000000632093_00293_44936_4690.N1	04-OCT-2010 09:12:23	Dark	62.500	37	25Del CMa	1.8300	5900.0	125	44936	No
66	GOM_NL__2PRFIN20101004_091645_000000502093_00294_44937_4709.N1	04-OCT-2010 09:16:45	Dark	49.500	161	Tau Pup	2.9310	4500.0	99	44937	No
67	GOM_NL__2PRFIN20101004_091810_000000472093_00294_44937_4710.N1	04-OCT-2010 09:18:10	Dark	47.000	2	Alp Car	-0.73600	7000.0	94	44937	No
68	GOM_NL__2PRFIN20101004_092059_000000412093_00294_44937_4711.N1	04-OCT-2010 09:20:59	Dark	41.000	108	Alp Col	2.6520	15200.	82	44937	No
69	GOM_NL__2PRFIN20101004_093032_000000492093_00294_44937_4712.N1	04-OCT-2010 09:30:32	Straylight	49.000	157	The1Eri	2.9060	9300.0	98	44937	No
70	GOM_NL__2PRFIN20101004_094049_000000452093_00294_44937_4713.N1	04-OCT-2010 09:40:49	Straylight	44.500	52	16Bet Cet	2.0370	4500.0	89	44937	No
71	GOM_NL__2PRFIN20101004_095102_000000392093_00294_44937_4714.N1	04-OCT-2010 09:51:02	Bright	39.000	140	88Gam Peg	2.8340	26000.	78	44937	No
72	GOM_NL__2PRFIN20101004_095508_000000392093_00294_44937_4715.N1	04-OCT-2010 09:55:08	Bright	38.500	58	21Alp And	2.0730	11000.	77	44937	No
73	GOM_NL__2PRFIN20101004_095836_000000492093_00294_44937_4716.N1	04-OCT-2010 09:58:36	Bright	48.500	53	43Bet And	2.0480	3300.0	97	44937	No
74	GOM_NL__2PRFIN20101004_100345_000000392093_00294_44937_4717.N1	04-OCT-2010 10:03:45	Bright	39.000	74	11Bet Cas	2.2680	6600.0	78	44937	No
75	GOM_NL__2PRFIN20101004_100500_000000392093_00294_44937_4718.N1	04-OCT-2010 10:05:00	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	44937	No
76	GOM_NL__2PRFIN20101004_100832_000000262093_00294_44937_4719.N1	04-OCT-2010 10:08:32	Tw_i_and_stray	26.000	160	23Gam Per	2.9300	4700.0	52	44937	No
77	GOM_NL__2PRFIN20101004_104830_000000482093_00294_44937_4720.N1	04-OCT-2010 10:48:30	Dark	47.500	132	15Rho Pup	2.8030	6900.0	95	44937	No
78	GOM_NL__2PRFIN20101004_105301_000000562093_00294_44937_4721.N1	04-OCT-2010 10:53:01	Dark	56.000	37	25Del CMa	1.8300	5900.0	112	44937	No
79	GOM_NL__2PRFIN20101004_105722_000000432093_00295_44938_4743.N1	04-OCT-2010 10:57:22	Dark	42.500	161	Tau Pup	2.9310	4500.0	85	44938	No
80	GOM_NL__2PRFIN20101004_105846_000000472093_00295_44938_4744.N1	04-OCT-2010 10:58:46	Dark	47.000	2	Alp Car	-0.73600	7000.0	94	44938	No
81	GOM_NL__2PRFIN20101004_110136_000000392093_00295_44938_4745.N1	04-OCT-2010 11:01:36	Dark	39.000	108	Alp Col	2.6520	15200.	78	44938	No
82	GOM_NL__2PRFIN20101004_111108_000000492093_00295_44938_4746.N1	04-OCT-2010 11:11:08	Straylight	49.000	157	The1Eri	2.9060	9300.0	98	44938	No
83	GOM_NL__2PRFIN20101004_112125_000000512093_00295_44938_4747.N1	04-OCT-2010 11:21:25	Straylight	50.500	52	16Bet Cet	2.0370	4500.0	101	44938	No
84	GOM_NL__2PRFIN20101004_113138_000000302093_00295_44938_4748.N1	04-OCT-2010 11:31:38	Bright	30.000	140	88Gam Peg	2.8340	26000.	60	44938	No
85	GOM_NL__2PRFIN20101004_113544_000000392093_00295_44938_4749.N1	04-OCT-2010 11:35:44	Bright	39.000	58	21Alp And	2.0730	11000.	78	44938	No
86	GOM_NL__2PRFIN20101004_113911_000000462093_00295_44938_4750.N1	04-OCT-2010 11:39:11	Bright	45.500	53	43Bet And	2.0480	3300.0	91	44938	No
87	GOM_NL__2PRFIN20101004_114907_000000292093_00295_44938_4751.N1	04-OCT-2010 11:49:07	Tw_i_and_stray	29.000	160	23Gam Per	2.9300	4700.0	58	44938	No
88	GOM_NL__2PRFIN20101004_122907_000000482093_00295_44938_4752.N1	04-OCT-2010 12:29:07	Dark	47.500	132	15Rho Pup	2.8030	6900.0	95	44938	No
89	GOM_NL__2PRFIN20101004_123338_000000652093_00295_44938_4753.N1	04-OCT-2010 12:33:38	Dark	64.500	37	25Del CMa	1.8300	5900.0	129	44938	No
90	GOM_NL__2PRFIN20101004_123759_000000492093_00296_44939_4993.N1	04-OCT-2010 12:37:59	Dark	48.500	161	Tau Pup	2.9310	4500.0	97	44939	No
91	GOM_NL__2PRFIN20101004_123923_000000452093_00296_44939_4994.N1	04-OCT-2010 12:39:23	Dark	44.500	2	Alp Car	-0.73600	7000.0	89	44939	No
92	GOM_NL__2PRFIN20101004_124213_000000392093_00296_44939_4995.N1	04-OCT-2010 12:42:13	Dark	39.000	108	Alp Col	2.6520	15200.	78	44939	No
93	GOM_NL__2PRFIN20101004_125145_000000482093_00296_44939_4996.N1	04-OCT-2010 12:51:45	Straylight	48.000	157	The1Eri	2.9060	9300.0	96	44939	No
94	GOM_NL__2PRFIN20101004_130200_000000472093_00296_44939_4997.N1	04-OCT-2010 13:02:00	Straylight	47.000	52	16Bet Cet	2.0370	4500.0	94	44939	No
95	GOM_NL__2PRFIN20101004_131213_000000382093_00296_44939_4998.N1	04-OCT-2010 13:12:13	Bright	37.500	140	88Gam Peg	2.8340	26000.	75	44939	No
96	GOM_NL__2PRFIN20101004_131620_000000412093_00296_44939_4999.N1	04-OCT-2010 13:16:20	Bright	40.500	58	21Alp And	2.0730	11000.	81	44939	No
97	GOM_NL__2PRFIN20101004_131946_000000452093_00296_44939_5000.N1	04-OCT-2010 13:19:46	Bright	45.000	53	43Bet And	2.0480	3300.0	90	44939	No
98	GOM_NL__2PRFIN20101004_132942_000000292093_00296_44939_5001.N1	04-OCT-2010 13:29:42	Tw_i_and_stray	29.000	160	23Gam Per	2.9300	4700.0	58	44939	No
99	GOM_NL__2PRFIN20101004_140944_000000482093_00296_44939_5002.N1	04-OCT-2010 14:09:44	Dark	48.000	132	15Rho Pup	2.8030	6900.0	96	44939	No
100	GOM_NL__2PRFIN20101004_141415_000000582093_00296_44939_5003.N1	04-OCT-2010 14:14:15	Dark	58.000	37	25Del CMa	1.8300	5900.0	116	44939	No
101	GOM_NL__2PRFIN20101004_141836_000000432093_00297_44940_5095.N1	04-OCT-2010 14:18:36	Dark	42.500	161	Tau Pup	2.9310	4500.0	85	44940	No

102	GOM_NL__2PRFIN20101004_142000_000000452093_00297_44940_5096.N1	04-OCT-2010 14:20:00	Dark	45.000	2	Alp Car	-0.73600	7000.0	90	44940	No
103	GOM_NL__2PRFIN20101004_142251_000000372093_00297_44940_5097.N1	04-OCT-2010 14:22:51	Dark	37.000	108	Alp Col	2.6520	15200.	74	44940	No
104	GOM_NL__2PRFIN20101004_143221_000000502093_00297_44940_5098.N1	04-OCT-2010 14:32:21	Straylight	49.500	157	The1Eri	2.9060	9300.0	99	44940	No
105	GOM_NL__2PRFIN20101004_144236_000000482093_00297_44940_5099.N1	04-OCT-2010 14:42:36	Straylight	48.000	52	16Bet Cet	2.0370	4500.0	96	44940	No
106	GOM_NL__2PRFIN20101004_145249_000000402093_00297_44940_5100.N1	04-OCT-2010 14:52:49	Bright	39.500	140	88Gam Peg	2.8340	26000.	79	44940	No
107	GOM_NL__2PRFIN20101004_145655_000000402093_00297_44940_5101.N1	04-OCT-2010 14:56:55	Bright	40.000	58	21Alp And	2.0730	11000.	80	44940	No
108	GOM_NL__2PRFIN20101004_150022_000000482093_00297_44940_5102.N1	04-OCT-2010 15:00:22	Bright	48.000	53	43Bet And	2.0480	3300.0	96	44940	No
109	GOM_NL__2PRFIN20101004_150532_000000402093_00297_44940_5103.N1	04-OCT-2010 15:05:32	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	44940	No
110	GOM_NL__2PRFIN20101004_150722_000000402093_00297_44940_5104.N1	04-OCT-2010 15:07:22	Bright	39.500	110	37Del Cas	2.6780	8900.0	79	44940	No
111	GOM_NL__2PRFIN20101004_151017_000000322093_00297_44940_5105.N1	04-OCT-2010 15:10:17	Tw_i_and_stray	32.000	160	23Gam Per	2.9300	4700.0	64	44940	No
112	GOM_NL__2PRFIN20101004_155021_000000452093_00297_44940_5106.N1	04-OCT-2010 15:50:21	Dark	45.000	132	15Rho Pup	2.8030	6900.0	90	44940	No
113	GOM_NL__2PRFIN20101004_155452_000000562093_00297_44940_5107.N1	04-OCT-2010 15:54:52	Dark	56.000	37	25Del CMa	1.8300	5900.0	112	44940	No
114	GOM_NL__2PRFIN20101004_155912_000000442093_00298_44941_5070.N1	04-OCT-2010 15:59:12	Dark	43.500	161	Tau Pup	2.9310	4500.0	87	44941	No
115	GOM_NL__2PRFIN20101004_160036_000000452093_00298_44941_5071.N1	04-OCT-2010 16:00:36	Dark	45.000	2	Alp Car	-0.73600	7000.0	90	44941	No
116	GOM_NL__2PRFIN20101004_160329_000000372093_00298_44941_5072.N1	04-OCT-2010 16:03:29	Dark	37.000	108	Alp Col	2.6520	15200.	74	44941	No
117	GOM_NL__2PRFIN20101004_161258_000000492093_00298_44941_5073.N1	04-OCT-2010 16:12:58	Straylight	49.000	157	The1Eri	2.9060	9300.0	98	44941	No
118	GOM_NL__2PRFIN20101004_162312_000000482093_00298_44941_5074.N1	04-OCT-2010 16:23:12	Straylight	47.500	52	16Bet Cet	2.0370	4500.0	95	44941	No
119	GOM_NL__2PRFIN20101004_163325_000000402093_00298_44941_5075.N1	04-OCT-2010 16:33:25	Bright	39.500	140	88Gam Peg	2.8340	26000.	79	44941	No
120	GOM_NL__2PRFIN20101004_163731_000000402093_00298_44941_5076.N1	04-OCT-2010 16:37:31	Bright	39.500	58	21Alp And	2.0730	11000.	79	44941	No
121	GOM_NL__2PRFIN20101004_164057_000000442093_00298_44941_5077.N1	04-OCT-2010 16:40:57	Bright	43.500	53	43Bet And	2.0480	3300.0	87	44941	No
122	GOM_NL__2PRFIN20101004_164608_000000382093_00298_44941_5078.N1	04-OCT-2010 16:46:08	Bright	37.500	74	11Bet Cas	2.2680	6600.0	75	44941	No
123	GOM_NL__2PRFIN20101004_164757_000000412093_00298_44941_5079.N1	04-OCT-2010 16:47:57	Bright	41.000	110	37Del Cas	2.6780	8900.0	82	44941	No
124	GOM_NL__2PRFIN20101004_165052_000000322093_00298_44941_5080.N1	04-OCT-2010 16:50:52	Tw_i_and_stray	32.000	160	23Gam Per	2.9300	4700.0	64	44941	No
125	GOM_NL__2PRFIN20101004_173058_000000462093_00298_44941_5081.N1	04-OCT-2010 17:30:58	Dark	46.000	132	15Rho Pup	2.8030	6900.0	92	44941	No
126	GOM_NL__2PRFIN20101004_173530_000000622093_00298_44941_5082.N1	04-OCT-2010 17:35:30	Dark	62.000	37	25Del CMa	1.8300	5900.0	124	44941	No
127	GOM_NL__2PRFIN20101004_173949_000000432093_00299_44942_5064.N1	04-OCT-2010 17:39:49	Dark	42.500	161	Tau Pup	2.9310	4500.0	85	44942	No
128	GOM_NL__2PRFIN20101004_174113_000000462093_00299_44942_5065.N1	04-OCT-2010 17:41:13	Dark	45.500	2	Alp Car	-0.73600	7000.0	91	44942	No
129	GOM_NL__2PRFIN20101004_174406_000000362093_00299_44942_5066.N1	04-OCT-2010 17:44:06	Dark	36.000	108	Alp Col	2.6520	15200.	72	44942	No
130	GOM_NL__2PRFIN20101004_175335_000000462093_00299_44942_5067.N1	04-OCT-2010 17:53:35	Straylight	45.500	157	The1Eri	2.9060	9300.0	91	44942	No
131	GOM_NL__2PRFIN20101004_180349_000000502093_00299_44942_5068.N1	04-OCT-2010 18:03:49	Straylight	49.500	52	16Bet Cet	2.0370	4500.0	99	44942	No
132	GOM_NL__2PRFIN20101004_181401_000000402093_00299_44942_5069.N1	04-OCT-2010 18:14:01	Bright	39.500	140	88Gam Peg	2.8340	26000.	79	44942	No
133	GOM_NL__2PRFIN20101004_182132_000000492093_00299_44942_5070.N1	04-OCT-2010 18:21:32	Bright	48.500	53	43Bet And	2.0480	3300.0	97	44942	No
134	GOM_NL__2PRFIN20101004_182632_000000422093_00299_44942_5071.N1	04-OCT-2010 18:26:32	Bright	42.000	68	18Alp Cas	2.2250	4500.0	84	44942	No
135	GOM_NL__2PRFIN20101004_182758_000000382093_00299_44942_5072.N1	04-OCT-2010 18:27:58	Bright	38.000	76	27Gam Cas	2.3000	30000.	76	44942	No
136	GOM_NL__2PRFIN20101004_183127_000000352093_00299_44942_5073.N1	04-OCT-2010 18:31:27	Tw_i_and_stray	35.000	160	23Gam Per	2.9300	4700.0	70	44942	No
137	GOM_NL__2PRFIN20101004_185422_000000422093_00299_44942_5074.N1	04-OCT-2010 18:54:22	Bright	42.000	166	17Eps Leo	2.9800	6000.0	84	44942	No
138	GOM_NL__2PRFIN20101004_191135_000000482093_00299_44942_5075.N1	04-OCT-2010 19:11:35	Dark	47.500	132	15Rho Pup	2.8030	6900.0	95	44942	No
139	GOM_NL__2PRFIN20101004_191607_000000712093_00299_44942_5076.N1	04-OCT-2010 19:16:07	Dark	70.500	37	25Del CMa	1.8300	5900.0	141	44942	No
140	GOM_NL__2PRFIN20101004_192025_000000432093_00300_44943_4991.N1	04-OCT-2010 19:20:25	Dark	43.000	161	Tau Pup	2.9310	4500.0	86	44943	No
141	GOM_NL__2PRFIN20101004_192150_000000602093_00300_44943_4992.N1	04-OCT-2010 19:21:50	Dark	60.000	2	Alp Car	-0.73600	7000.0	120	44943	No
142	GOM_NL__2PRFIN20101004_192443_000000362093_00300_44943_4993.N1	04-OCT-2010 19:24:43	Dark	36.000	108	Alp Col	2.6520	15200.	72	44943	No
143	GOM_NL__2PRFIN20101004_193411_000000492093_00300_44943_4994.N1	04-OCT-2010 19:34:11	Straylight	49.000	157	The1Eri	2.9060	9300.0	98	44943	No
144	GOM_NL__2PRFIN20101004_194425_000000472093_00300_44943_4995.N1	04-OCT-2010 19:44:25	Straylight	46.500	52	16Bet Cet	2.0370	4500.0	93	44943	No
145	GOM_NL__2PRFIN20101004_195436_000000392093_00300_44943_4996.N1	04-OCT-2010 19:54:36	Bright	39.000	140	88Gam Peg	2.8340	26000.	78	44943	No
146	GOM_NL__2PRFIN20101004_195842_000000392093_00300_44943_4997.N1	04-OCT-2010 19:58:42	Bright	39.000	58	21Alp And	2.0730	11000.	78	44943	No
147	GOM_NL__2PRFIN20101004_200208_000000462093_00300_44943_4998.N1	04-OCT-2010 20:02:08	Bright	46.000	53	43Bet And	2.0480	3300.0	92	44943	No
148	GOM_NL__2PRFIN20101004_200708_000000422093_00300_44943_4999.N1	04-OCT-2010 20:07:08	Bright	42.000	68	18Alp Cas	2.2250	4500.0	84	44943	No
149	GOM_NL__2PRFIN20101004_200833_000000392093_00300_44943_5000.N1	04-OCT-2010 20:08:33	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	44943	No
150	GOM_NL__2PRFIN20101004_201202_000000352093_00300_44943_5001.N1	04-OCT-2010 20:12:02	Tw_i_and_stray	35.000	160	23Gam Per	2.9300	4700.0	70	44943	No
151	GOM_NL__2PRFIN20101004_203458_000000392093_00300_44943_5002.N1	04-OCT-2010 20:34:58	Bright	39.000	166	17Eps Leo	2.9800	6000.0	78	44943	No
152	GOM_NL__2PRFIN20101004_205212_000000472093_00300_44943_5003.N1	04-OCT-2010 20:52:12	Dark	47.000	132	15Rho Pup	2.8030	6900.0	94	44943	No
153	GOM_NL__2PRFIN20101004_205644_000000682093_00300_44943_5004.N1	04-OCT-2010 20:56:44	Dark	68.000	37	25Del CMa	1.8300	5900.0	136	44943	No
154	GOM_NL__2PRFIN20101004_210521_000000342093_00301_44944_5017.N1	04-OCT-2010 21:05:21	Dark	34.000	108	Alp Col	2.6520	15200.	68	44944	No
155	GOM_NL__2PRFIN20101004_211448_000000512093_00301_44944_5018.N1	04-OCT-2010 21:14:48	Straylight	51.000	157	The1Eri	2.9060	9300.0	102	44944	No
156	GOM_NL__2PRFIN20101004_212501_000000492093_00301_44944_5019.N1	04-OCT-2010 21:25:01	Straylight	48.500	52	16Bet Cet	2.0370	4500.0	97	44944	No
157	GOM_NL__2PRFIN20101004_213512_000000392093_00301_44944_5020.N1	04-OCT-2010 21:35:12	Bright	39.000	140	88Gam Peg	2.8340	26000.	78	44944	No
158	GOM_NL__2PRFIN20101004_213918_000000392093_00301_44944_5021.N1	04-OCT-2010 21:39:18	Bright	39.000	58	21Alp And	2.0730	11000.	78	44944	No
159	GOM_NL__2PRFIN20101004_214243_000000452093_00301_44944_5022.N1	04-OCT-2010 21:42:43	Bright	45.000	53	43Bet And	2.0480	3300.0	90	44944	No
160	GOM_NL__2PRFIN20101004_214743_000000412093_00301_44944_5023.N1	04-OCT-2010 21:47:43	Bright	41.000	68	18Alp Cas	2.2250	4500.0	82	44944	No

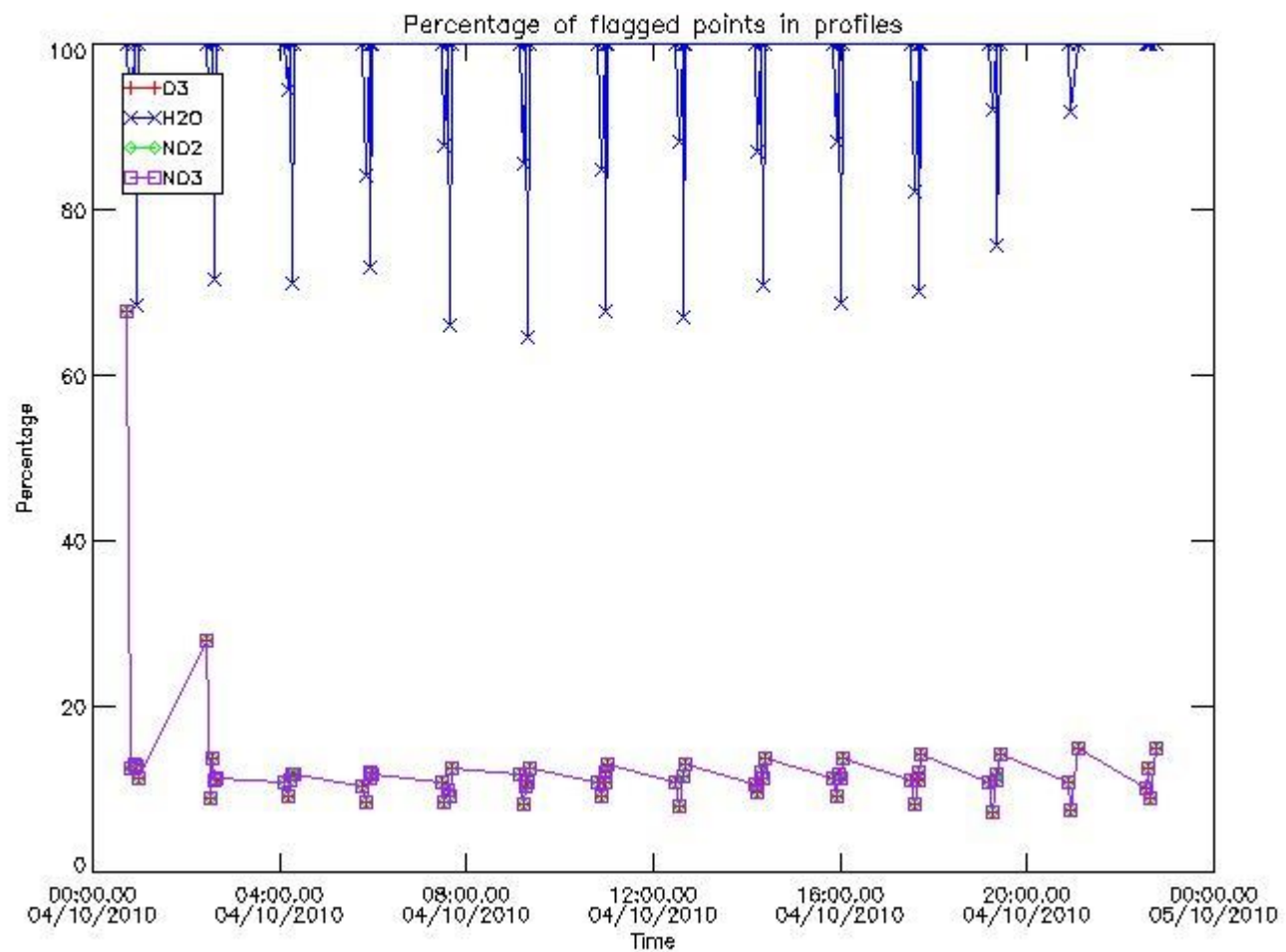


161	GOM_NL__2PRFIN20101004_214909_000000382093_00301_44944_5024.N1	04-OCT-2010 21:49:09	Bright	38.000	76	27Gam Cas	2.3000	30000.	76	44944	No
162	GOM_NL__2PRFIN20101004_215237_000000372093_00301_44944_5025.N1	04-OCT-2010 21:52:37	Twilight_stray	37.000	160	23Gam Per	2.9300	4700.0	74	44944	No
163	GOM_NL__2PRFIN20101004_221534_000000442093_00301_44944_5026.N1	04-OCT-2010 22:15:34	Bright	43.500	166	17Eps Leo	2.9800	6000.0	87	44944	No
164	GOM_NL__2PRFIN20101004_223249_000000502093_00301_44944_5027.N1	04-OCT-2010 22:32:49	Dark	50.000	132	15Rho Pup	2.8030	6900.0	100	44944	No
165	GOM_NL__2PRFIN20101004_223629_000000412093_00301_44944_5028.N1	04-OCT-2010 22:36:29	Dark	40.500	70	Zet Pup	2.2460	39000.	81	44944	No
166	GOM_NL__2PRFIN20101004_223834_000000572093_00301_44944_5029.N1	04-OCT-2010 22:38:34	Dark	56.500	23	21Eps CMa	1.5020	26000.	113	44944	No
167	GOM_NL__2PRFIN20101004_224558_000000342093_00302_44945_5034.N1	04-OCT-2010 22:45:58	Dark	34.000	108	Alp Col	2.6520	15200.	68	44945	No
168	GOM_NL__2PRFIN20101004_225524_000000482093_00302_44945_5035.N1	04-OCT-2010 22:55:24	Straylight	48.000	157	The1Eri	2.9060	9300.0	96	44945	No
169	GOM_NL__2PRFIN20101004_230537_000000512093_00302_44945_5036.N1	04-OCT-2010 23:05:37	Straylight	50.500	52	16Bet Cet	2.0370	4500.0	101	44945	No
170	GOM_NL__2PRFIN20101004_231548_000000402093_00302_44945_5037.N1	04-OCT-2010 23:15:48	Bright	39.500	140	88Gam Peg	2.8340	26000.	79	44945	No
171	GOM_NL__2PRFIN20101004_231954_000000402093_00302_44945_5038.N1	04-OCT-2010 23:19:54	Bright	39.500	58	21Alp And	2.0730	11000.	79	44945	No
172	GOM_NL__2PRFIN20101004_232318_000000442093_00302_44945_5039.N1	04-OCT-2010 23:23:18	Bright	44.000	53	43Bet And	2.0480	3300.0	88	44945	No
173	GOM_NL__2PRFIN20101004_232819_000000422093_00302_44945_5040.N1	04-OCT-2010 23:28:19	Bright	41.500	68	18Alp Cas	2.2250	4500.0	83	44945	No
174	GOM_NL__2PRFIN20101004_232944_000000412093_00302_44945_5041.N1	04-OCT-2010 23:29:44	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	44945	No
175	GOM_NL__2PRFIN20101004_233312_000000372093_00302_44945_5042.N1	04-OCT-2010 23:33:12	Twilight_stray	37.000	160	23Gam Per	2.9300	4700.0	74	44945	No
176	GOM_NL__2PRFIN20101004_235610_000000362093_00302_44945_5043.N1	04-OCT-2010 23:56:10	Bright	36.000	166	17Eps Leo	2.9800	6000.0	72	44945	No

### 3. Quality information per product

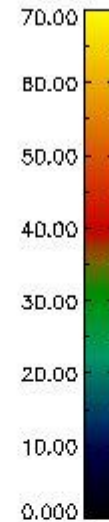
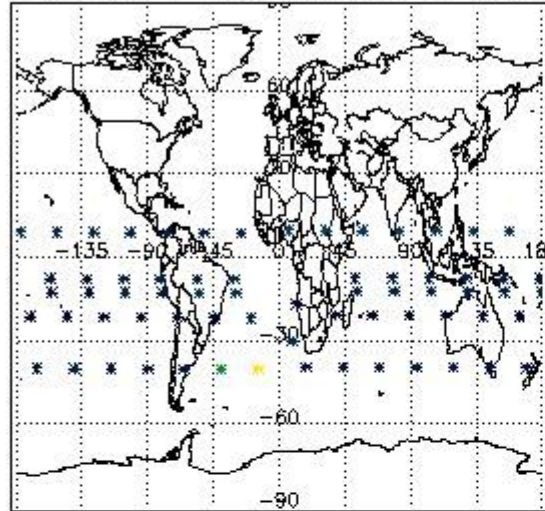
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

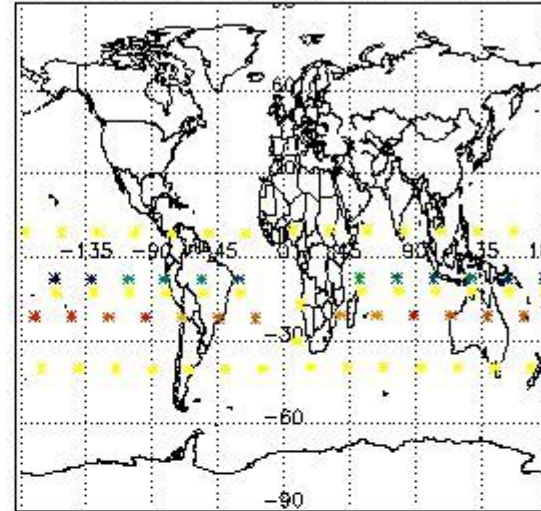


### 3.2 Plot quality information per product (world map)

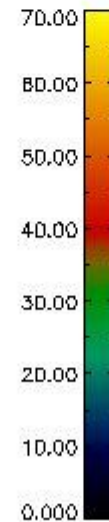
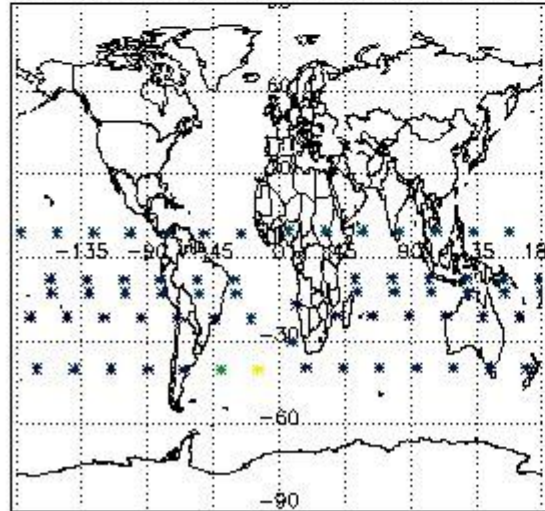
Percentage of flagged data per O3 profile



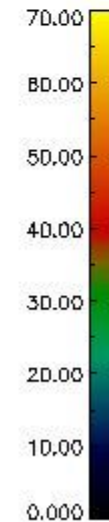
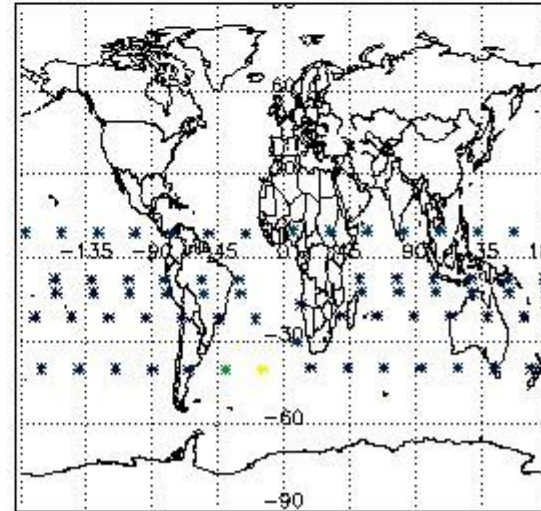
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

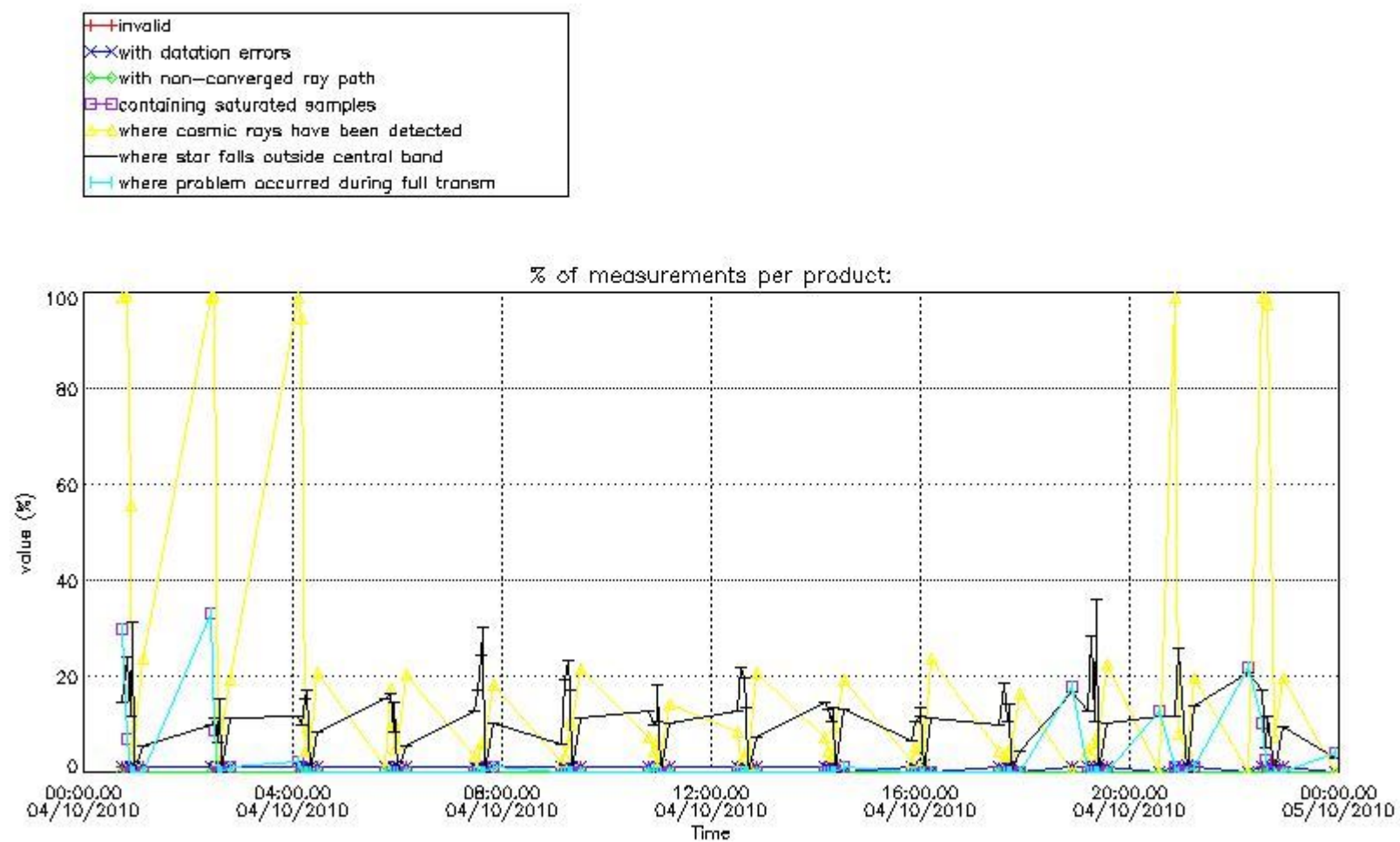


### 4. Level 1 quality information per product

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

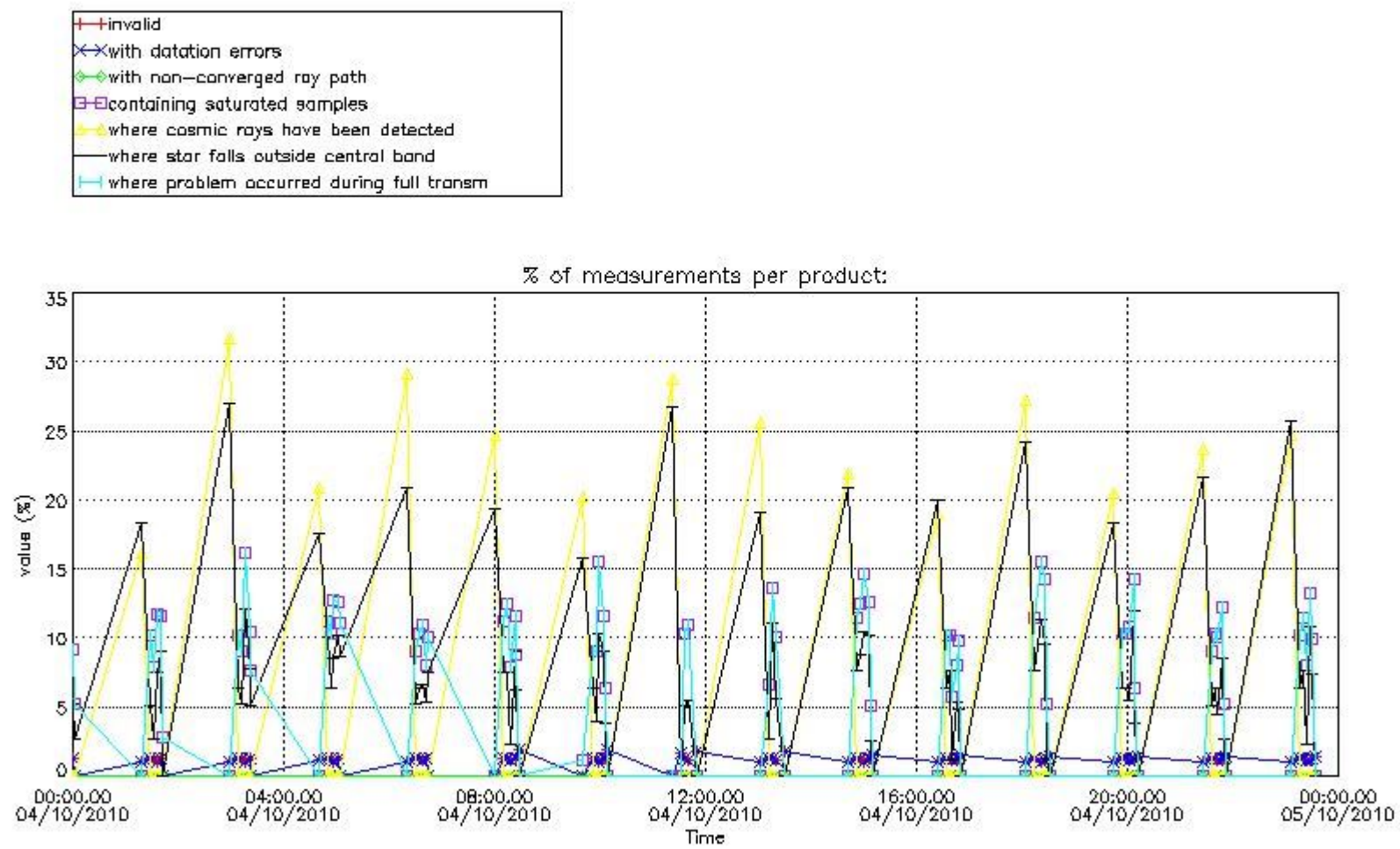
#### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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



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



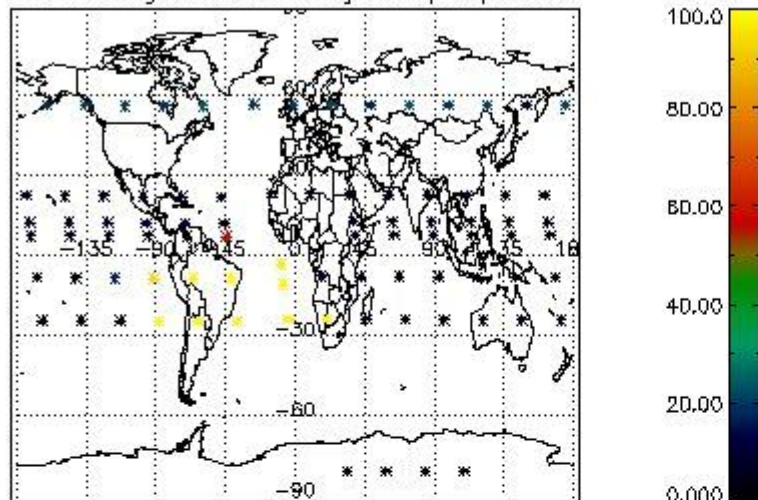


4.2 Plot quality information per product coming from level 1b processing (world map)

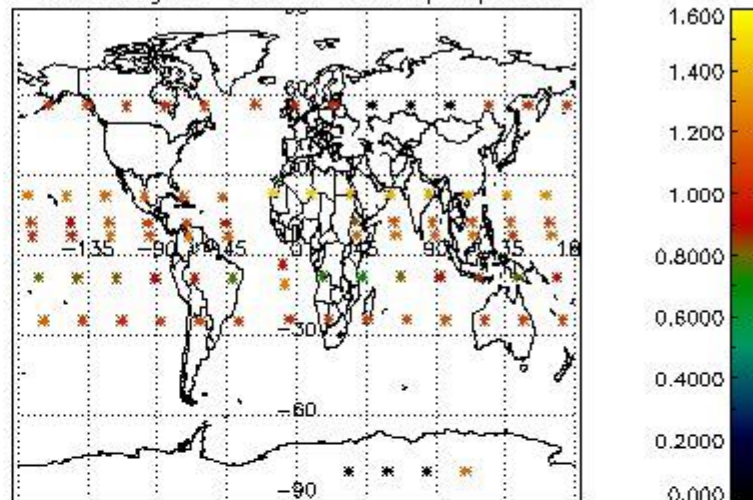
4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes



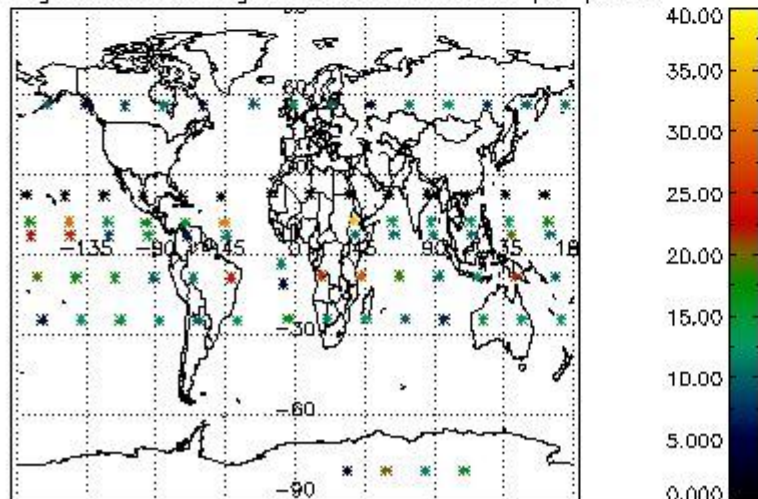
Percentage of cosmic ray hits per profile



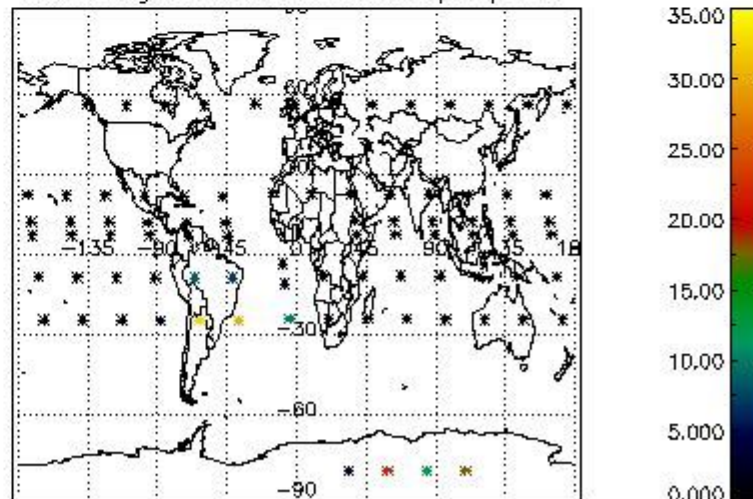
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

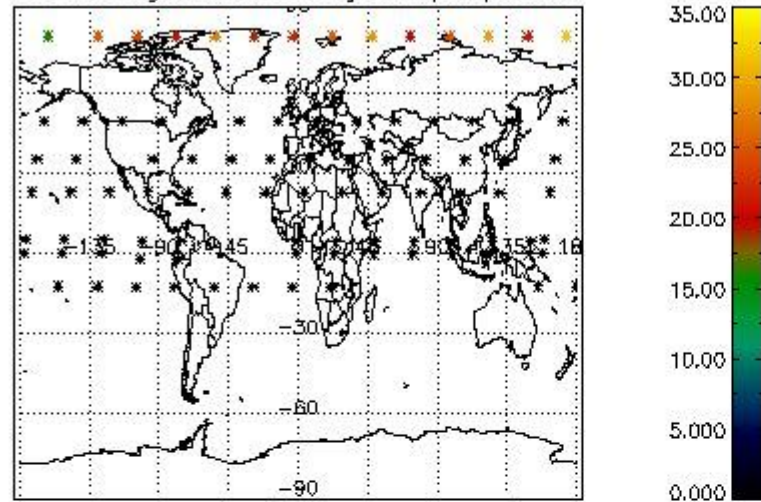


Percentage of saturation errors per profile

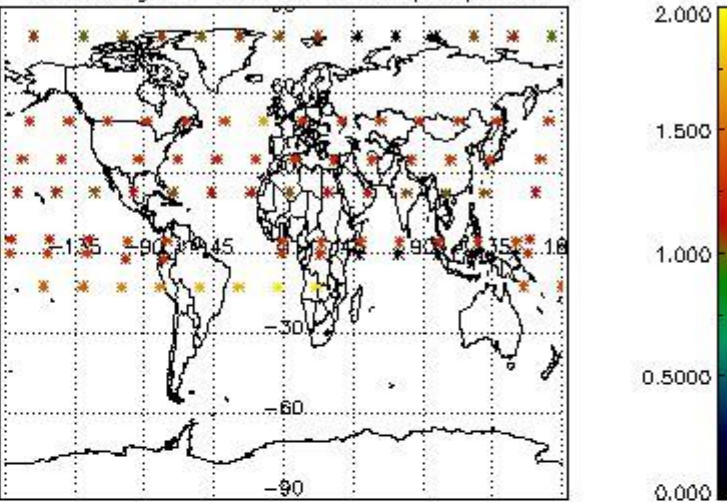


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

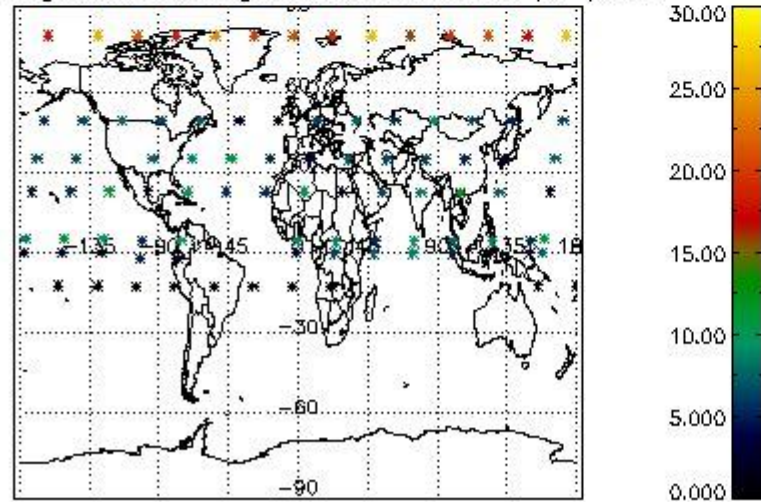
Percentage of cosmic ray hits per profile



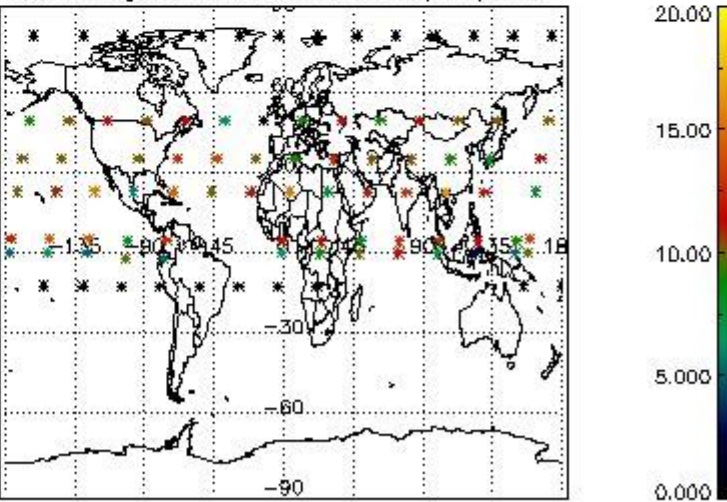
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/o3\_std of the level 2 products. The table below shows the statistics for given STD ranges.

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

- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

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

- Products in dark limb illumination condition: GOM\_NL\_\_2P/NL\_SUMMARY\_QUALITY/obs\_ill\_cond=0
- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

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

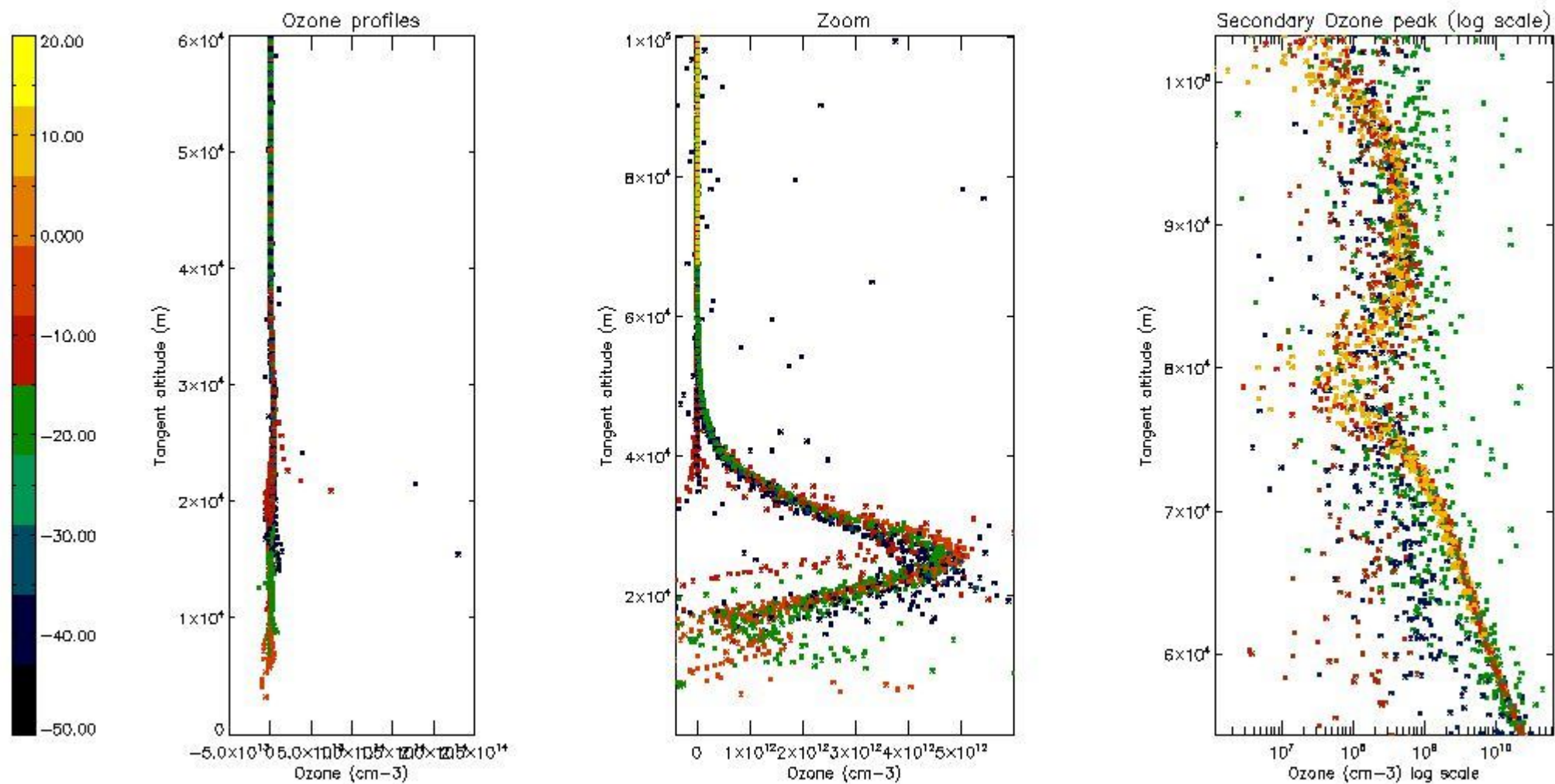
Criteria	% of total production
All STD	42
STD < 20	17



STD < 10	11
STD < 5	7

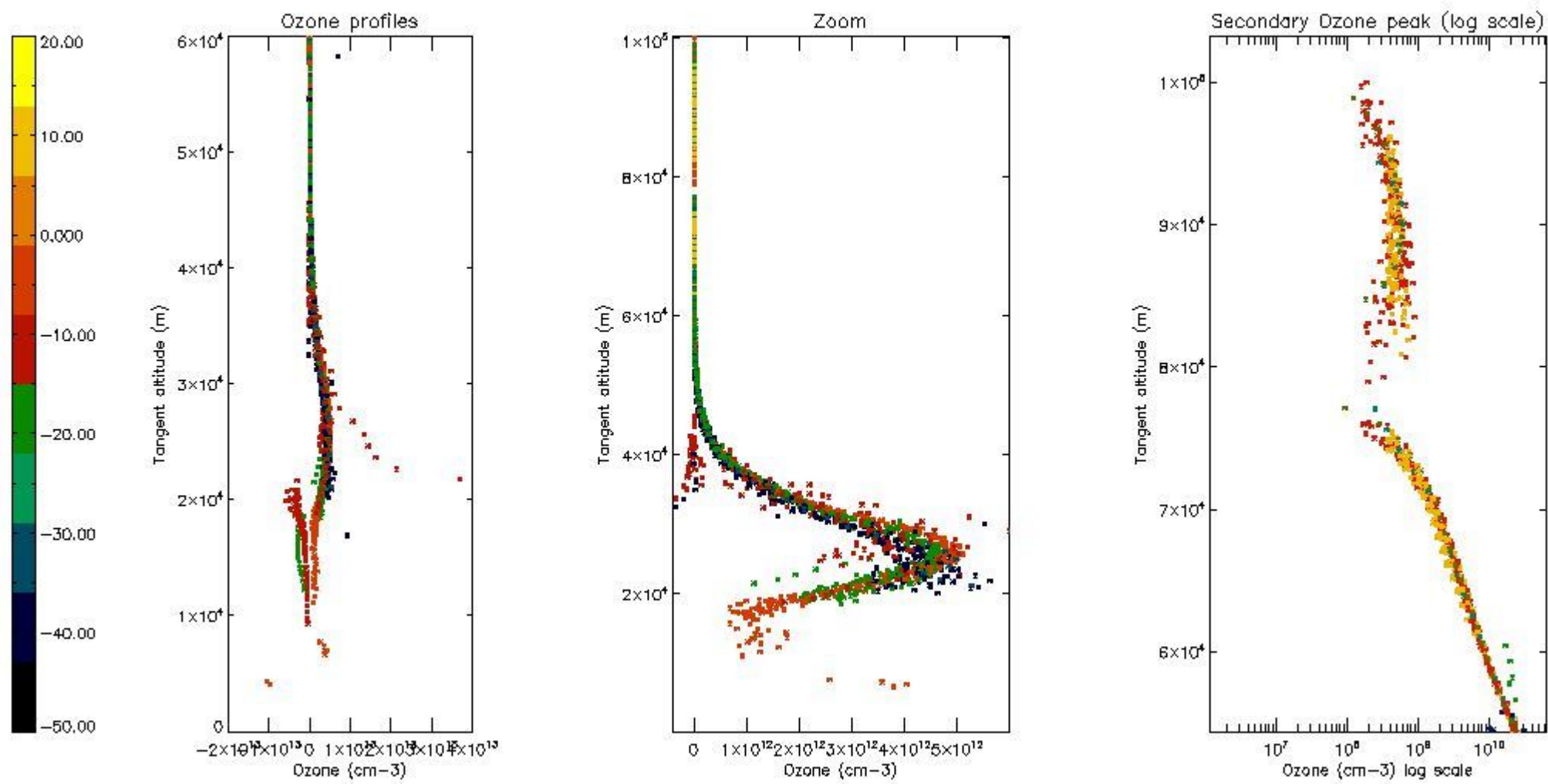
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

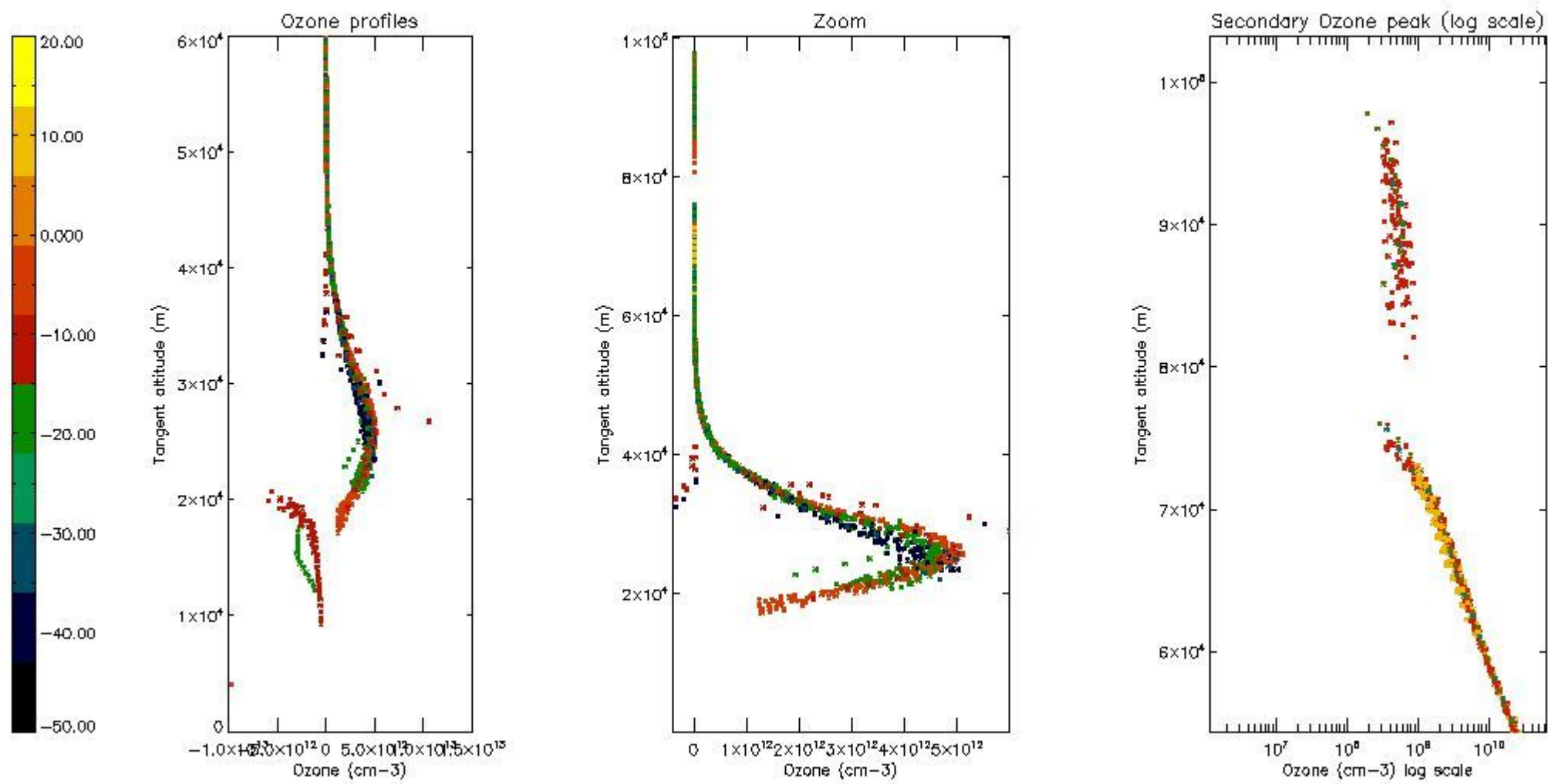
The colorbar represents the latitude.



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

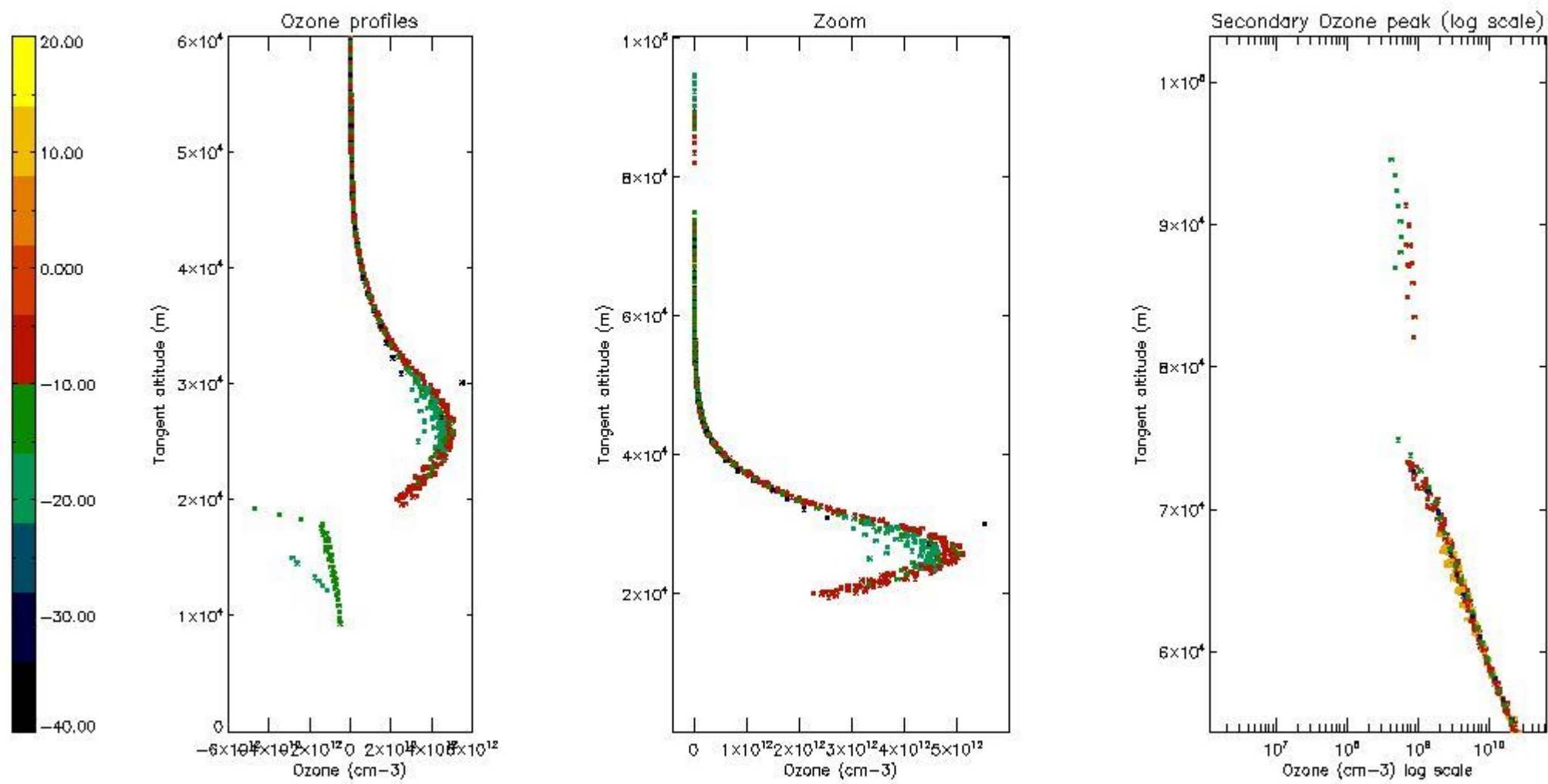
The colorbar represents the latitude.





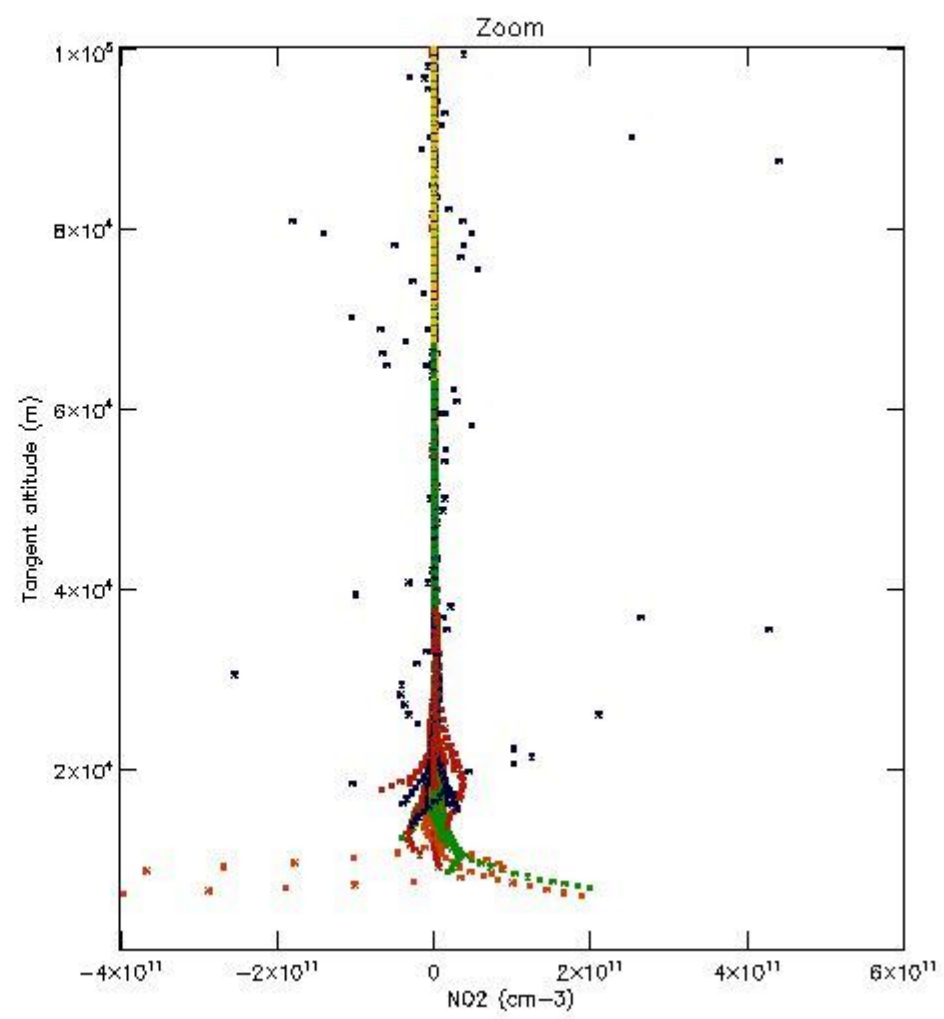
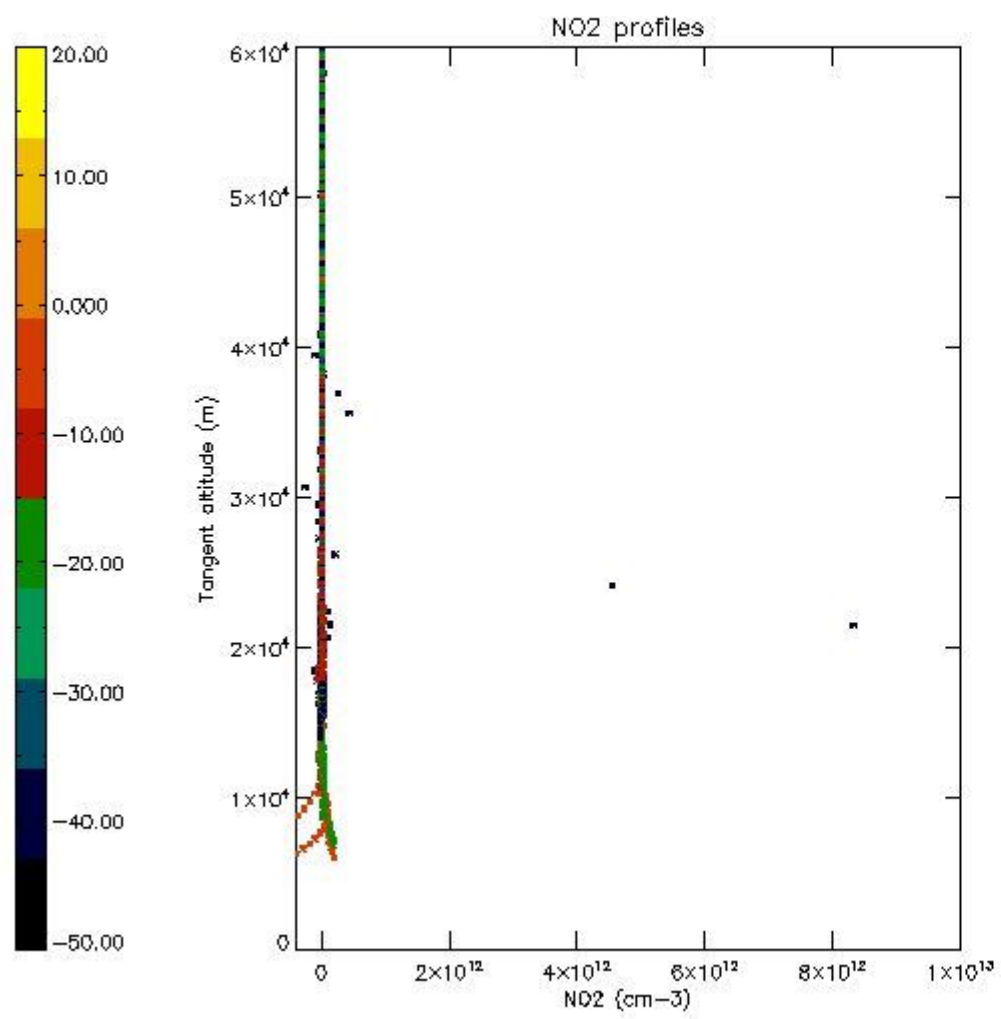
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



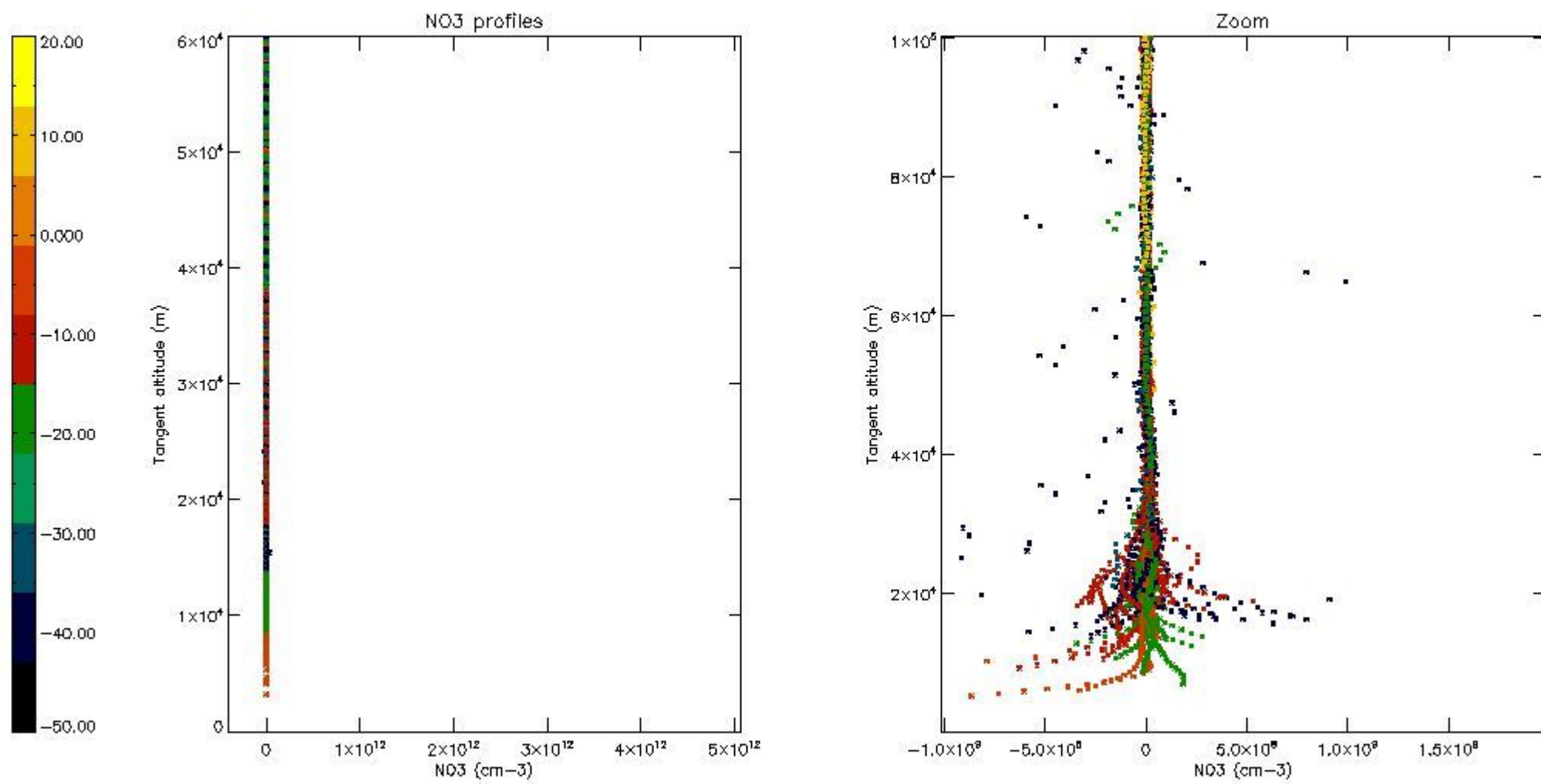
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

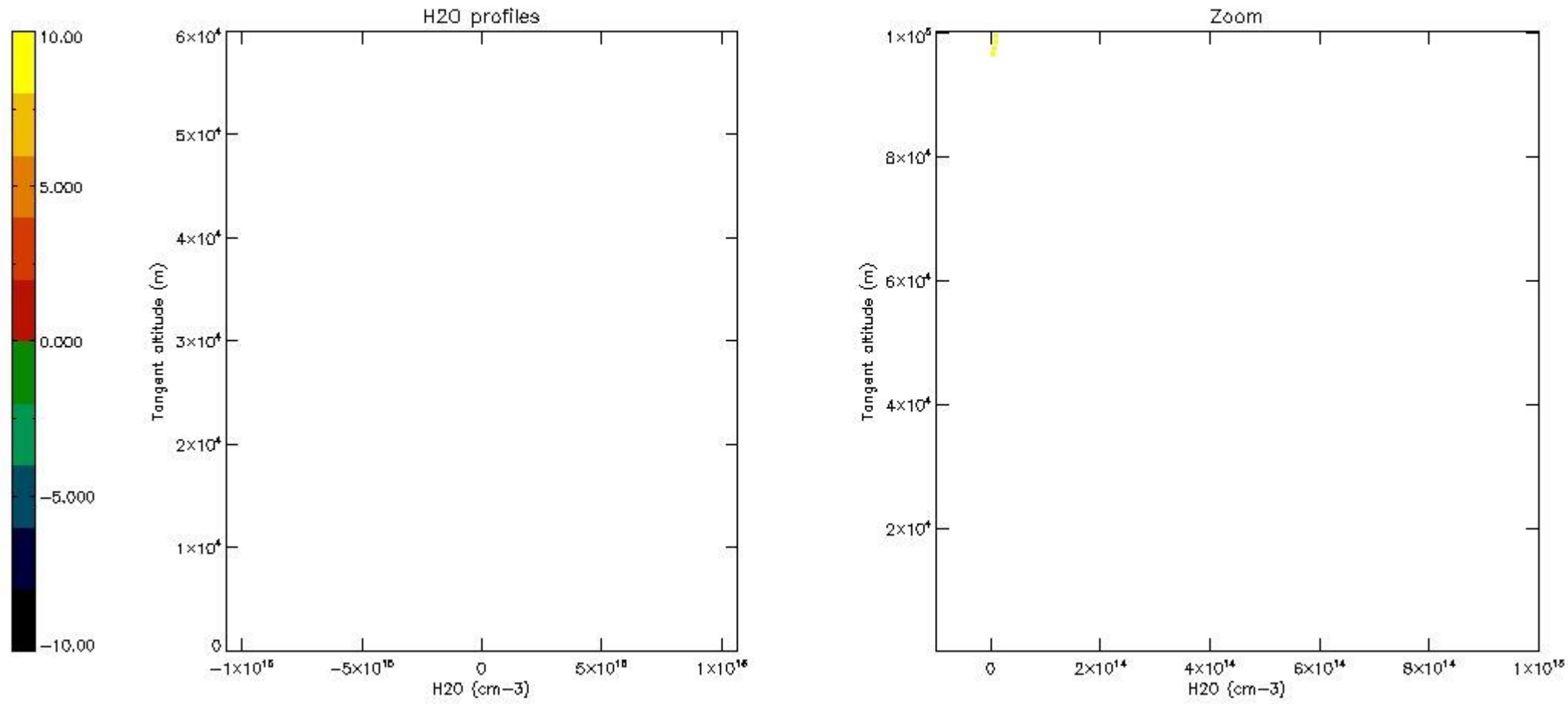
The colorbar represents the latitude.



5.8 Plot H<sub>2</sub>O 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	04-OCT-2010 00:00:11
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	04-OCT-2010 00:00:11
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	04-OCT-2010 00:00:11

# GOMOS Level 2 Daily Report

## SUMMARY

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

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

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#### [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	29APR2013 15:41:27
Data source version	GOMOS/6.01
Start time of products	04-10-2010 (04OCT2010 00:00:00)
Stop time of products	05-10-2010 (05OCT2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	176
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__2PRFIN20101004_000011_000000382093_00288_44931_4539.N1	04-OCT-2010 00:00:11	Bright	38.000	74	11Bet Cas	2.2680	6600.0	76	44931	No
2	GOM_NL__2PRFIN20101004_000126_000000382093_00288_44931_4540.N1	04-OCT-2010 00:01:26	Bright	38.000	76	27Gam Cas	2.3000	30000.	76	44931	No
3	GOM_NL__2PRFIN20101004_004450_000000492093_00288_44931_4541.N1	04-OCT-2010 00:44:50	Dark	48.500	132	15Rho Pup	2.8030	6900.0	97	44931	No
4	GOM_NL__2PRFIN20101004_004917_000000652093_00288_44931_4542.N1	04-OCT-2010 00:49:17	Dark	65.000	37	25Del CMa	1.8300	5900.0	130	44931	No
5	GOM_NL__2PRFIN20101004_005342_000000432093_00289_44932_4572.N1	04-OCT-2010 00:53:42	Dark	43.000	161	Tau Pup	2.9310	4500.0	86	44932	No
6	GOM_NL__2PRFIN20101004_005506_000000562093_00289_44932_4573.N1	04-OCT-2010 00:55:06	Dark	56.000	2	Alp Car	-0.73600	7000.0	112	44932	No
7	GOM_NL__2PRFIN20101004_005751_000000452093_00289_44932_4574.N1	04-OCT-2010 00:57:51	Dark	45.000	108	Alp Col	2.6520	15200.	90	44932	No
8	GOM_NL__2PRFIN20101004_010729_000000472093_00289_44932_4575.N1	04-OCT-2010 01:07:29	Straylight	46.500	157	The1Eri	2.9060	9300.0	93	44932	No
9	GOM_NL__2PRFIN20101004_011748_000000472093_00289_44932_4576.N1	04-OCT-2010 01:17:48	Straylight	46.500	52	16Bet Cet	2.0370	4500.0	93	44932	No
10	GOM_NL__2PRFIN20101004_012803_000000402093_00289_44932_4577.N1	04-OCT-2010 01:28:03	Bright	39.500	140	88Gam Peg	2.8340	26000.	79	44932	No
11	GOM_NL__2PRFIN20101004_013210_000000382093_00289_44932_4578.N1	04-OCT-2010 01:32:10	Bright	38.000	58	21Alp And	2.0730	11000.	76	44932	No
12	GOM_NL__2PRFIN20101004_013539_000000472093_00289_44932_4579.N1	04-OCT-2010 01:35:39	Bright	47.000	53	43Bet And	2.0480	3300.0	94	44932	No
13	GOM_NL__2PRFIN20101004_014047_000000392093_00289_44932_4580.N1	04-OCT-2010 01:40:47	Bright	39.000	74	11Bet Cas	2.2680	6600.0	78	44932	No
14	GOM_NL__2PRFIN20101004_014202_000000372093_00289_44932_4581.N1	04-OCT-2010 01:42:02	Bright	36.500	76	27Gam Cas	2.3000	30000.	73	44932	No
15	GOM_NL__2PRFIN20101004_022526_000000462093_00289_44932_4582.N1	04-OCT-2010 02:25:26	Dark	45.500	132	15Rho Pup	2.8030	6900.0	91	44932	No
16	GOM_NL__2PRFIN20101004_022954_000000572093_00289_44932_4583.N1	04-OCT-2010 02:29:54	Dark	57.000	37	25Del CMa	1.8300	5900.0	114	44932	No
17	GOM_NL__2PRFIN20101004_023419_000000412093_00290_44933_4598.N1	04-OCT-2010 02:34:19	Dark	41.000	161	Tau Pup	2.9310	4500.0	82	44933	No
18	GOM_NL__2PRFIN20101004_023543_000000462093_00290_44933_4599.N1	04-OCT-2010 02:35:43	Dark	46.000	2	Alp Car	-0.73600	7000.0	92	44933	No
19	GOM_NL__2PRFIN20101004_023829_000000452093_00290_44933_4600.N1	04-OCT-2010 02:38:29	Dark	45.000	108	Alp Col	2.6520	15200.	90	44933	No
20	GOM_NL__2PRFIN20101004_024805_000000502093_00290_44933_4601.N1	04-OCT-2010 02:48:05	Straylight	49.500	157	The1Eri	2.9060	9300.0	99	44933	No
21	GOM_NL__2PRFIN20101004_025824_000000522093_00290_44933_4602.N1	04-OCT-2010 02:58:24	Straylight	52.000	52	16Bet Cet	2.0370	4500.0	104	44933	No
22	GOM_NL__2PRFIN20101004_030839_000000402093_00290_44933_4603.N1	04-OCT-2010 03:08:39	Bright	39.500	140	88Gam Peg	2.8340	26000.	79	44933	No
23	GOM_NL__2PRFIN20101004_031246_000000392093_00290_44933_4604.N1	04-OCT-2010 03:12:46	Bright	38.500	58	21Alp And	2.0730	11000.	77	44933	No
24	GOM_NL__2PRFIN20101004_031615_000000502093_00290_44933_4605.N1	04-OCT-2010 03:16:15	Bright	49.500	53	43Bet And	2.0480	3300.0	99	44933	No
25	GOM_NL__2PRFIN20101004_032122_000000392093_00290_44933_4606.N1	04-OCT-2010 03:21:22	Bright	38.500	74	11Bet Cas	2.2680	6600.0	77	44933	No
26	GOM_NL__2PRFIN20101004_032238_000000392093_00290_44933_4607.N1	04-OCT-2010 03:22:38	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	44933	No
27	GOM_NL__2PRFIN20101004_040603_000000472093_00290_44933_4608.N1	04-OCT-2010 04:06:03	Dark	47.000	132	15Rho Pup	2.8030	6900.0	94	44933	No
28	GOM_NL__2PRFIN20101004_041031_000000562093_00290_44933_4609.N1	04-OCT-2010 04:10:31	Dark	55.500	37	25Del CMa	1.8300	5900.0	111	44933	No
29	GOM_NL__2PRFIN20101004_041455_000000462093_00291_44934_4630.N1	04-OCT-2010 04:14:55	Dark	45.500	161	Tau Pup	2.9310	4500.0	91	44934	No
30	GOM_NL__2PRFIN20101004_041620_000000472093_00291_44934_4631.N1	04-OCT-2010 04:16:20	Dark	47.000	2	Alp Car	-0.73600	7000.0	94	44934	No
31	GOM_NL__2PRFIN20101004_041906_000000432093_00291_44934_4632.N1	04-OCT-2010 04:19:06	Dark	43.000	108	Alp Col	2.6520	15200.	86	44934	No
32	GOM_NL__2PRFIN20101004_042842_000000482093_00291_44934_4633.N1	04-OCT-2010 04:28:42	Straylight	48.000	157	The1Eri	2.9060	9300.0	96	44934	No
33	GOM_NL__2PRFIN20101004_043900_000000462093_00291_44934_4634.N1	04-OCT-2010 04:39:00	Straylight	45.500	52	16Bet Cet	2.0370	4500.0	91	44934	No
34	GOM_NL__2PRFIN20101004_044915_000000402093_00291_44934_4635.N1	04-OCT-2010 04:49:15	Bright	40.000	140	88Gam Peg	2.8340	26000.	80	44934	No
35	GOM_NL__2PRFIN20101004_045321_000000392093_00291_44934_4636.N1	04-OCT-2010 04:53:21	Bright	39.000	58	21Alp And	2.0730	11000.	78	44934	No
36	GOM_NL__2PRFIN20101004_045650_000000472093_00291_44934_4637.N1	04-OCT-2010 04:56:50	Bright	47.000	53	43Bet And	2.0480	3300.0	94	44934	No
37	GOM_NL__2PRFIN20101004_050158_000000402093_00291_44934_4638.N1	04-OCT-2010 05:01:58	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	44934	No
38	GOM_NL__2PRFIN20101004_050313_000000412093_00291_44934_4639.N1	04-OCT-2010 05:03:13	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	44934	No
39	GOM_NL__2PRFIN20101004_054640_000000492093_00291_44934_4640.N1	04-OCT-2010 05:46:40	Dark	49.000	132	15Rho Pup	2.8030	6900.0	98	44934	No
40	GOM_NL__2PRFIN20101004_055109_000000612093_00291_44934_4641.N1	04-OCT-2010 05:51:09	Dark	60.500	37	25Del CMa	1.8300	5900.0	121	44934	No
41	GOM_NL__2PRFIN20101004_055532_000000422093_00292_44935_4647.N1	04-OCT-2010 05:55:32	Dark	42.000	161	Tau Pup	2.9310	4500.0	84	44935	No
42	GOM_NL__2PRFIN20101004_055656_000000452093_00292_44935_4648.N1	04-OCT-2010 05:56:56	Dark	45.000	2	Alp Car	-0.73600	7000.0	90	44935	No

43	GOM_NL__2PRFIN20101004_055944_000000432093_00292_44935_4649.N1	04-OCT-2010 05:59:44	Dark	43.000	108	Alp Col	2.6520	15200.	86	44935	No
44	GOM_NL__2PRFIN20101004_060919_000000472093_00292_44935_4650.N1	04-OCT-2010 06:09:19	Straylight	46.500	157	The1Eri	2.9060	9300.0	93	44935	No
45	GOM_NL__2PRFIN20101004_061936_000000482093_00292_44935_4651.N1	04-OCT-2010 06:19:36	Straylight	48.000	52	16Bet Cet	2.0370	4500.0	96	44935	No
46	GOM_NL__2PRFIN20101004_062950_000000392093_00292_44935_4652.N1	04-OCT-2010 06:29:50	Bright	38.500	140	88Gam Peg	2.8340	26000.	77	44935	No
47	GOM_NL__2PRFIN20101004_063357_000000392093_00292_44935_4653.N1	04-OCT-2010 06:33:57	Bright	39.000	58	21Alp And	2.0730	11000.	78	44935	No
48	GOM_NL__2PRFIN20101004_063725_000000462093_00292_44935_4654.N1	04-OCT-2010 06:37:25	Bright	45.500	53	43Bet And	2.0480	3300.0	91	44935	No
49	GOM_NL__2PRFIN20101004_064234_000000382093_00292_44935_4655.N1	04-OCT-2010 06:42:34	Bright	37.500	74	11Bet Cas	2.2680	6600.0	75	44935	No
50	GOM_NL__2PRFIN20101004_064349_000000402093_00292_44935_4656.N1	04-OCT-2010 06:43:49	Bright	40.000	76	27Gam Cas	2.3000	30000.	80	44935	No
51	GOM_NL__2PRFIN20101004_072717_000000482093_00292_44935_4657.N1	04-OCT-2010 07:27:17	Dark	47.500	132	15Rho Pup	2.8030	6900.0	95	44935	No
52	GOM_NL__2PRFIN20101004_073146_000000612093_00292_44935_4658.N1	04-OCT-2010 07:31:46	Dark	61.000	37	25Del CMa	1.8300	5900.0	122	44935	No
53	GOM_NL__2PRFIN20101004_073609_000000512093_00293_44936_4678.N1	04-OCT-2010 07:36:09	Dark	51.000	161	Tau Pup	2.9310	4500.0	102	44936	No
54	GOM_NL__2PRFIN20101004_073733_000000552093_00293_44936_4679.N1	04-OCT-2010 07:37:33	Dark	55.000	2	Alp Car	-0.73600	7000.0	110	44936	No
55	GOM_NL__2PRFIN20101004_074021_000000412093_00293_44936_4680.N1	04-OCT-2010 07:40:21	Dark	41.000	108	Alp Col	2.6520	15200.	82	44936	No
56	GOM_NL__2PRFIN20101004_074955_000000502093_00293_44936_4681.N1	04-OCT-2010 07:49:55	Straylight	49.500	157	The1Eri	2.9060	9300.0	99	44936	No
57	GOM_NL__2PRFIN20101004_080012_000000472093_00293_44936_4682.N1	04-OCT-2010 08:00:12	Straylight	46.500	52	16Bet Cet	2.0370	4500.0	93	44936	No
58	GOM_NL__2PRFIN20101004_081026_000000402093_00293_44936_4683.N1	04-OCT-2010 08:10:26	Bright	40.000	140	88Gam Peg	2.8340	26000.	80	44936	No
59	GOM_NL__2PRFIN20101004_081433_000000402093_00293_44936_4684.N1	04-OCT-2010 08:14:33	Bright	40.000	58	21Alp And	2.0730	11000.	80	44936	No
60	GOM_NL__2PRFIN20101004_081801_000000452093_00293_44936_4685.N1	04-OCT-2010 08:18:01	Bright	44.500	53	43Bet And	2.0480	3300.0	89	44936	No
61	GOM_NL__2PRFIN20101004_082310_000000392093_00293_44936_4686.N1	04-OCT-2010 08:23:10	Bright	39.000	74	11Bet Cas	2.2680	6600.0	78	44936	No
62	GOM_NL__2PRFIN20101004_082424_000000402093_00293_44936_4687.N1	04-OCT-2010 08:24:24	Bright	40.000	76	27Gam Cas	2.3000	30000.	80	44936	No
63	GOM_NL__2PRFIN20101004_082757_000000262093_00293_44936_4688.N1	04-OCT-2010 08:27:57	Tw_i_and_stray	26.000	160	23Gam Per	2.9300	4700.0	52	44936	No
64	GOM_NL__2PRFIN20101004_090754_000000432093_00293_44936_4689.N1	04-OCT-2010 09:07:54	Dark	43.000	132	15Rho Pup	2.8030	6900.0	86	44936	No
65	GOM_NL__2PRFIN20101004_091223_000000632093_00293_44936_4690.N1	04-OCT-2010 09:12:23	Dark	62.500	37	25Del CMa	1.8300	5900.0	125	44936	No
66	GOM_NL__2PRFIN20101004_091645_000000502093_00294_44937_4709.N1	04-OCT-2010 09:16:45	Dark	49.500	161	Tau Pup	2.9310	4500.0	99	44937	No
67	GOM_NL__2PRFIN20101004_091810_000000472093_00294_44937_4710.N1	04-OCT-2010 09:18:10	Dark	47.000	2	Alp Car	-0.73600	7000.0	94	44937	No
68	GOM_NL__2PRFIN20101004_092059_000000412093_00294_44937_4711.N1	04-OCT-2010 09:20:59	Dark	41.000	108	Alp Col	2.6520	15200.	82	44937	No
69	GOM_NL__2PRFIN20101004_093032_000000492093_00294_44937_4712.N1	04-OCT-2010 09:30:32	Straylight	49.000	157	The1Eri	2.9060	9300.0	98	44937	No
70	GOM_NL__2PRFIN20101004_094049_000000452093_00294_44937_4713.N1	04-OCT-2010 09:40:49	Straylight	44.500	52	16Bet Cet	2.0370	4500.0	89	44937	No
71	GOM_NL__2PRFIN20101004_095102_000000392093_00294_44937_4714.N1	04-OCT-2010 09:51:02	Bright	39.000	140	88Gam Peg	2.8340	26000.	78	44937	No
72	GOM_NL__2PRFIN20101004_095508_000000392093_00294_44937_4715.N1	04-OCT-2010 09:55:08	Bright	38.500	58	21Alp And	2.0730	11000.	77	44937	No
73	GOM_NL__2PRFIN20101004_095836_000000492093_00294_44937_4716.N1	04-OCT-2010 09:58:36	Bright	48.500	53	43Bet And	2.0480	3300.0	97	44937	No
74	GOM_NL__2PRFIN20101004_100345_000000392093_00294_44937_4717.N1	04-OCT-2010 10:03:45	Bright	39.000	74	11Bet Cas	2.2680	6600.0	78	44937	No
75	GOM_NL__2PRFIN20101004_100500_000000392093_00294_44937_4718.N1	04-OCT-2010 10:05:00	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	44937	No
76	GOM_NL__2PRFIN20101004_100832_000000262093_00294_44937_4719.N1	04-OCT-2010 10:08:32	Tw_i_and_stray	26.000	160	23Gam Per	2.9300	4700.0	52	44937	No
77	GOM_NL__2PRFIN20101004_104830_000000482093_00294_44937_4720.N1	04-OCT-2010 10:48:30	Dark	47.500	132	15Rho Pup	2.8030	6900.0	95	44937	No
78	GOM_NL__2PRFIN20101004_105301_000000562093_00294_44937_4721.N1	04-OCT-2010 10:53:01	Dark	56.000	37	25Del CMa	1.8300	5900.0	112	44937	No
79	GOM_NL__2PRFIN20101004_105722_000000432093_00295_44938_4743.N1	04-OCT-2010 10:57:22	Dark	42.500	161	Tau Pup	2.9310	4500.0	85	44938	No
80	GOM_NL__2PRFIN20101004_105846_000000472093_00295_44938_4744.N1	04-OCT-2010 10:58:46	Dark	47.000	2	Alp Car	-0.73600	7000.0	94	44938	No
81	GOM_NL__2PRFIN20101004_110136_000000392093_00295_44938_4745.N1	04-OCT-2010 11:01:36	Dark	39.000	108	Alp Col	2.6520	15200.	78	44938	No
82	GOM_NL__2PRFIN20101004_111108_000000492093_00295_44938_4746.N1	04-OCT-2010 11:11:08	Straylight	49.000	157	The1Eri	2.9060	9300.0	98	44938	No
83	GOM_NL__2PRFIN20101004_112125_000000512093_00295_44938_4747.N1	04-OCT-2010 11:21:25	Straylight	50.500	52	16Bet Cet	2.0370	4500.0	101	44938	No
84	GOM_NL__2PRFIN20101004_113138_000000302093_00295_44938_4748.N1	04-OCT-2010 11:31:38	Bright	30.000	140	88Gam Peg	2.8340	26000.	60	44938	No
85	GOM_NL__2PRFIN20101004_113544_000000392093_00295_44938_4749.N1	04-OCT-2010 11:35:44	Bright	39.000	58	21Alp And	2.0730	11000.	78	44938	No
86	GOM_NL__2PRFIN20101004_113911_000000462093_00295_44938_4750.N1	04-OCT-2010 11:39:11	Bright	45.500	53	43Bet And	2.0480	3300.0	91	44938	No
87	GOM_NL__2PRFIN20101004_114907_000000292093_00295_44938_4751.N1	04-OCT-2010 11:49:07	Tw_i_and_stray	29.000	160	23Gam Per	2.9300	4700.0	58	44938	No
88	GOM_NL__2PRFIN20101004_122907_000000482093_00295_44938_4752.N1	04-OCT-2010 12:29:07	Dark	47.500	132	15Rho Pup	2.8030	6900.0	95	44938	No
89	GOM_NL__2PRFIN20101004_123338_000000652093_00295_44938_4753.N1	04-OCT-2010 12:33:38	Dark	64.500	37	25Del CMa	1.8300	5900.0	129	44938	No
90	GOM_NL__2PRFIN20101004_123759_000000492093_00296_44939_4993.N1	04-OCT-2010 12:37:59	Dark	48.500	161	Tau Pup	2.9310	4500.0	97	44939	No
91	GOM_NL__2PRFIN20101004_123923_000000452093_00296_44939_4994.N1	04-OCT-2010 12:39:23	Dark	44.500	2	Alp Car	-0.73600	7000.0	89	44939	No
92	GOM_NL__2PRFIN20101004_124213_000000392093_00296_44939_4995.N1	04-OCT-2010 12:42:13	Dark	39.000	108	Alp Col	2.6520	15200.	78	44939	No
93	GOM_NL__2PRFIN20101004_125145_000000482093_00296_44939_4996.N1	04-OCT-2010 12:51:45	Straylight	48.000	157	The1Eri	2.9060	9300.0	96	44939	No
94	GOM_NL__2PRFIN20101004_130200_000000472093_00296_44939_4997.N1	04-OCT-2010 13:02:00	Straylight	47.000	52	16Bet Cet	2.0370	4500.0	94	44939	No
95	GOM_NL__2PRFIN20101004_131213_000000382093_00296_44939_4998.N1	04-OCT-2010 13:12:13	Bright	37.500	140	88Gam Peg	2.8340	26000.	75	44939	No
96	GOM_NL__2PRFIN20101004_131620_000000412093_00296_44939_4999.N1	04-OCT-2010 13:16:20	Bright	40.500	58	21Alp And	2.0730	11000.	81	44939	No
97	GOM_NL__2PRFIN20101004_131946_000000452093_00296_44939_5000.N1	04-OCT-2010 13:19:46	Bright	45.000	53	43Bet And	2.0480	3300.0	90	44939	No
98	GOM_NL__2PRFIN20101004_132942_000000292093_00296_44939_5001.N1	04-OCT-2010 13:29:42	Tw_i_and_stray	29.000	160	23Gam Per	2.9300	4700.0	58	44939	No
99	GOM_NL__2PRFIN20101004_140944_000000482093_00296_44939_5002.N1	04-OCT-2010 14:09:44	Dark	48.000	132	15Rho Pup	2.8030	6900.0	96	44939	No
100	GOM_NL__2PRFIN20101004_141415_000000582093_00296_44939_5003.N1	04-OCT-2010 14:14:15	Dark	58.000	37	25Del CMa	1.8300	5900.0	116	44939	No
101	GOM_NL__2PRFIN20101004_141836_000000432093_00297_44940_5095.N1	04-OCT-2010 14:18:36	Dark	42.500	161	Tau Pup	2.9310	4500.0	85	44940	No



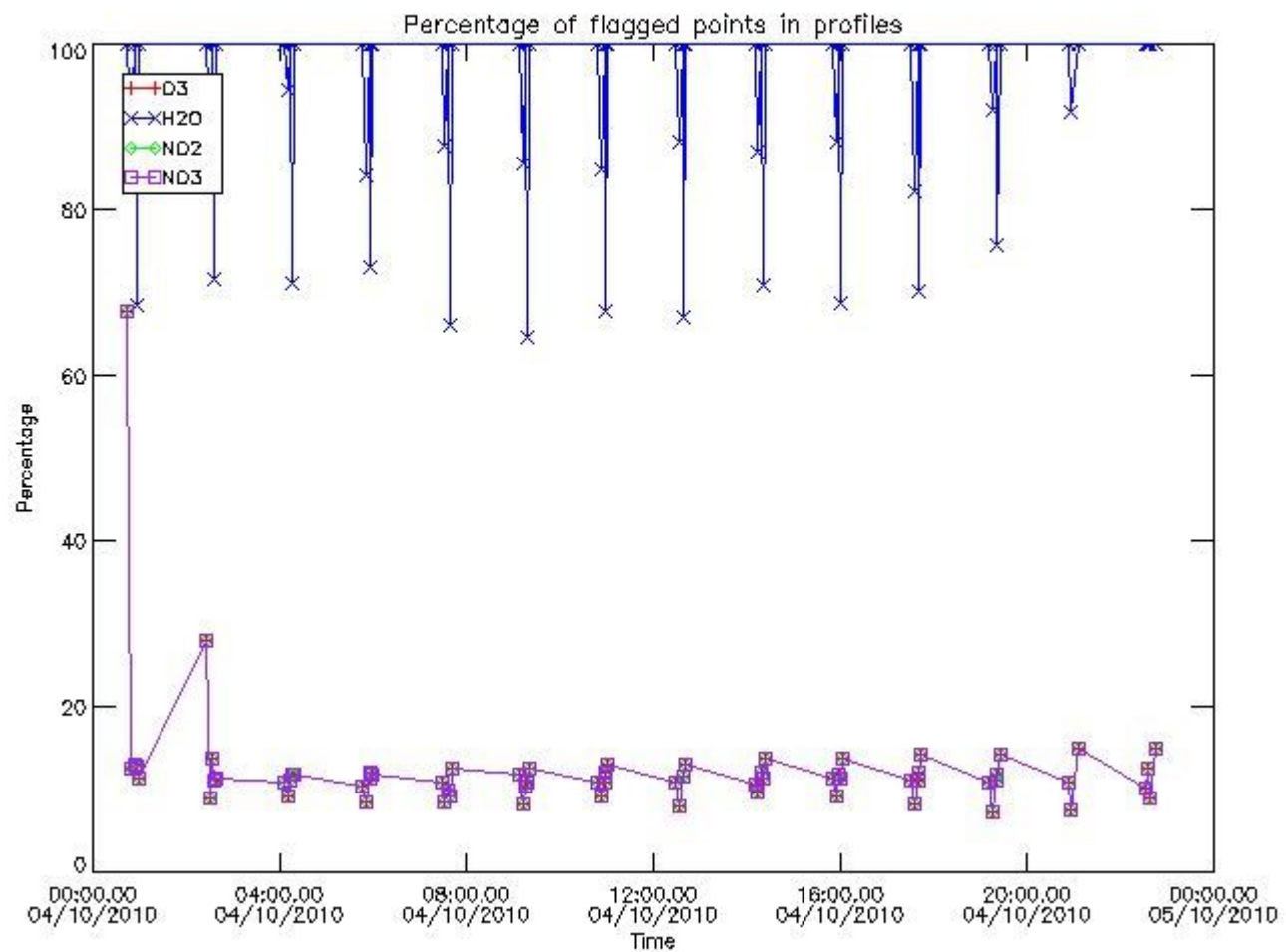
102	GOM_NL__2PRFIN20101004_142000_000000452093_00297_44940_5096.N1	04-OCT-2010 14:20:00	Dark	45.000	2	Alp Car	-0.73600	7000.0	90	44940	No
103	GOM_NL__2PRFIN20101004_142251_000000372093_00297_44940_5097.N1	04-OCT-2010 14:22:51	Dark	37.000	108	Alp Col	2.6520	15200.	74	44940	No
104	GOM_NL__2PRFIN20101004_143221_000000502093_00297_44940_5098.N1	04-OCT-2010 14:32:21	Straylight	49.500	157	The1Eri	2.9060	9300.0	99	44940	No
105	GOM_NL__2PRFIN20101004_144236_000000482093_00297_44940_5099.N1	04-OCT-2010 14:42:36	Straylight	48.000	52	16Bet Cet	2.0370	4500.0	96	44940	No
106	GOM_NL__2PRFIN20101004_145249_000000402093_00297_44940_5100.N1	04-OCT-2010 14:52:49	Bright	39.500	140	88Gam Peg	2.8340	26000.	79	44940	No
107	GOM_NL__2PRFIN20101004_145655_000000402093_00297_44940_5101.N1	04-OCT-2010 14:56:55	Bright	40.000	58	21Alp And	2.0730	11000.	80	44940	No
108	GOM_NL__2PRFIN20101004_150022_000000482093_00297_44940_5102.N1	04-OCT-2010 15:00:22	Bright	48.000	53	43Bet And	2.0480	3300.0	96	44940	No
109	GOM_NL__2PRFIN20101004_150532_000000402093_00297_44940_5103.N1	04-OCT-2010 15:05:32	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	44940	No
110	GOM_NL__2PRFIN20101004_150722_000000402093_00297_44940_5104.N1	04-OCT-2010 15:07:22	Bright	39.500	110	37Del Cas	2.6780	8900.0	79	44940	No
111	GOM_NL__2PRFIN20101004_151017_000000322093_00297_44940_5105.N1	04-OCT-2010 15:10:17	Tw_i_and_stray	32.000	160	23Gam Per	2.9300	4700.0	64	44940	No
112	GOM_NL__2PRFIN20101004_155021_000000452093_00297_44940_5106.N1	04-OCT-2010 15:50:21	Dark	45.000	132	15Rho Pup	2.8030	6900.0	90	44940	No
113	GOM_NL__2PRFIN20101004_155452_000000562093_00297_44940_5107.N1	04-OCT-2010 15:54:52	Dark	56.000	37	25Del CMa	1.8300	5900.0	112	44940	No
114	GOM_NL__2PRFIN20101004_155912_000000442093_00298_44941_5070.N1	04-OCT-2010 15:59:12	Dark	43.500	161	Tau Pup	2.9310	4500.0	87	44941	No
115	GOM_NL__2PRFIN20101004_160036_000000452093_00298_44941_5071.N1	04-OCT-2010 16:00:36	Dark	45.000	2	Alp Car	-0.73600	7000.0	90	44941	No
116	GOM_NL__2PRFIN20101004_160329_000000372093_00298_44941_5072.N1	04-OCT-2010 16:03:29	Dark	37.000	108	Alp Col	2.6520	15200.	74	44941	No
117	GOM_NL__2PRFIN20101004_161258_000000492093_00298_44941_5073.N1	04-OCT-2010 16:12:58	Straylight	49.000	157	The1Eri	2.9060	9300.0	98	44941	No
118	GOM_NL__2PRFIN20101004_162312_000000482093_00298_44941_5074.N1	04-OCT-2010 16:23:12	Straylight	47.500	52	16Bet Cet	2.0370	4500.0	95	44941	No
119	GOM_NL__2PRFIN20101004_163325_000000402093_00298_44941_5075.N1	04-OCT-2010 16:33:25	Bright	39.500	140	88Gam Peg	2.8340	26000.	79	44941	No
120	GOM_NL__2PRFIN20101004_163731_000000402093_00298_44941_5076.N1	04-OCT-2010 16:37:31	Bright	39.500	58	21Alp And	2.0730	11000.	79	44941	No
121	GOM_NL__2PRFIN20101004_164057_000000442093_00298_44941_5077.N1	04-OCT-2010 16:40:57	Bright	43.500	53	43Bet And	2.0480	3300.0	87	44941	No
122	GOM_NL__2PRFIN20101004_164608_000000382093_00298_44941_5078.N1	04-OCT-2010 16:46:08	Bright	37.500	74	11Bet Cas	2.2680	6600.0	75	44941	No
123	GOM_NL__2PRFIN20101004_164757_000000412093_00298_44941_5079.N1	04-OCT-2010 16:47:57	Bright	41.000	110	37Del Cas	2.6780	8900.0	82	44941	No
124	GOM_NL__2PRFIN20101004_165052_000000322093_00298_44941_5080.N1	04-OCT-2010 16:50:52	Tw_i_and_stray	32.000	160	23Gam Per	2.9300	4700.0	64	44941	No
125	GOM_NL__2PRFIN20101004_173058_000000462093_00298_44941_5081.N1	04-OCT-2010 17:30:58	Dark	46.000	132	15Rho Pup	2.8030	6900.0	92	44941	No
126	GOM_NL__2PRFIN20101004_173530_000000622093_00298_44941_5082.N1	04-OCT-2010 17:35:30	Dark	62.000	37	25Del CMa	1.8300	5900.0	124	44941	No
127	GOM_NL__2PRFIN20101004_173949_000000432093_00299_44942_5064.N1	04-OCT-2010 17:39:49	Dark	42.500	161	Tau Pup	2.9310	4500.0	85	44942	No
128	GOM_NL__2PRFIN20101004_174113_000000462093_00299_44942_5065.N1	04-OCT-2010 17:41:13	Dark	45.500	2	Alp Car	-0.73600	7000.0	91	44942	No
129	GOM_NL__2PRFIN20101004_174406_000000362093_00299_44942_5066.N1	04-OCT-2010 17:44:06	Dark	36.000	108	Alp Col	2.6520	15200.	72	44942	No
130	GOM_NL__2PRFIN20101004_175335_000000462093_00299_44942_5067.N1	04-OCT-2010 17:53:35	Straylight	45.500	157	The1Eri	2.9060	9300.0	91	44942	No
131	GOM_NL__2PRFIN20101004_180349_000000502093_00299_44942_5068.N1	04-OCT-2010 18:03:49	Straylight	49.500	52	16Bet Cet	2.0370	4500.0	99	44942	No
132	GOM_NL__2PRFIN20101004_181401_000000402093_00299_44942_5069.N1	04-OCT-2010 18:14:01	Bright	39.500	140	88Gam Peg	2.8340	26000.	79	44942	No
133	GOM_NL__2PRFIN20101004_182132_000000492093_00299_44942_5070.N1	04-OCT-2010 18:21:32	Bright	48.500	53	43Bet And	2.0480	3300.0	97	44942	No
134	GOM_NL__2PRFIN20101004_182632_000000422093_00299_44942_5071.N1	04-OCT-2010 18:26:32	Bright	42.000	68	18Alp Cas	2.2250	4500.0	84	44942	No
135	GOM_NL__2PRFIN20101004_182758_000000382093_00299_44942_5072.N1	04-OCT-2010 18:27:58	Bright	38.000	76	27Gam Cas	2.3000	30000.	76	44942	No
136	GOM_NL__2PRFIN20101004_183127_000000352093_00299_44942_5073.N1	04-OCT-2010 18:31:27	Tw_i_and_stray	35.000	160	23Gam Per	2.9300	4700.0	70	44942	No
137	GOM_NL__2PRFIN20101004_185422_000000422093_00299_44942_5074.N1	04-OCT-2010 18:54:22	Bright	42.000	166	17Eps Leo	2.9800	6000.0	84	44942	No
138	GOM_NL__2PRFIN20101004_191135_000000482093_00299_44942_5075.N1	04-OCT-2010 19:11:35	Dark	47.500	132	15Rho Pup	2.8030	6900.0	95	44942	No
139	GOM_NL__2PRFIN20101004_191607_000000712093_00299_44942_5076.N1	04-OCT-2010 19:16:07	Dark	70.500	37	25Del CMa	1.8300	5900.0	141	44942	No
140	GOM_NL__2PRFIN20101004_192025_000000432093_00300_44943_4991.N1	04-OCT-2010 19:20:25	Dark	43.000	161	Tau Pup	2.9310	4500.0	86	44943	No
141	GOM_NL__2PRFIN20101004_192150_000000602093_00300_44943_4992.N1	04-OCT-2010 19:21:50	Dark	60.000	2	Alp Car	-0.73600	7000.0	120	44943	No
142	GOM_NL__2PRFIN20101004_192443_000000362093_00300_44943_4993.N1	04-OCT-2010 19:24:43	Dark	36.000	108	Alp Col	2.6520	15200.	72	44943	No
143	GOM_NL__2PRFIN20101004_193411_000000492093_00300_44943_4994.N1	04-OCT-2010 19:34:11	Straylight	49.000	157	The1Eri	2.9060	9300.0	98	44943	No
144	GOM_NL__2PRFIN20101004_194425_000000472093_00300_44943_4995.N1	04-OCT-2010 19:44:25	Straylight	46.500	52	16Bet Cet	2.0370	4500.0	93	44943	No
145	GOM_NL__2PRFIN20101004_195436_000000392093_00300_44943_4996.N1	04-OCT-2010 19:54:36	Bright	39.000	140	88Gam Peg	2.8340	26000.	78	44943	No
146	GOM_NL__2PRFIN20101004_195842_000000392093_00300_44943_4997.N1	04-OCT-2010 19:58:42	Bright	39.000	58	21Alp And	2.0730	11000.	78	44943	No
147	GOM_NL__2PRFIN20101004_200208_000000462093_00300_44943_4998.N1	04-OCT-2010 20:02:08	Bright	46.000	53	43Bet And	2.0480	3300.0	92	44943	No
148	GOM_NL__2PRFIN20101004_200708_000000422093_00300_44943_4999.N1	04-OCT-2010 20:07:08	Bright	42.000	68	18Alp Cas	2.2250	4500.0	84	44943	No
149	GOM_NL__2PRFIN20101004_200833_000000392093_00300_44943_5000.N1	04-OCT-2010 20:08:33	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	44943	No
150	GOM_NL__2PRFIN20101004_201202_000000352093_00300_44943_5001.N1	04-OCT-2010 20:12:02	Tw_i_and_stray	35.000	160	23Gam Per	2.9300	4700.0	70	44943	No
151	GOM_NL__2PRFIN20101004_203458_000000392093_00300_44943_5002.N1	04-OCT-2010 20:34:58	Bright	39.000	166	17Eps Leo	2.9800	6000.0	78	44943	No
152	GOM_NL__2PRFIN20101004_205212_000000472093_00300_44943_5003.N1	04-OCT-2010 20:52:12	Dark	47.000	132	15Rho Pup	2.8030	6900.0	94	44943	No
153	GOM_NL__2PRFIN20101004_205644_000000682093_00300_44943_5004.N1	04-OCT-2010 20:56:44	Dark	68.000	37	25Del CMa	1.8300	5900.0	136	44943	No
154	GOM_NL__2PRFIN20101004_210521_000000342093_00301_44944_5017.N1	04-OCT-2010 21:05:21	Dark	34.000	108	Alp Col	2.6520	15200.	68	44944	No
155	GOM_NL__2PRFIN20101004_211448_000000512093_00301_44944_5018.N1	04-OCT-2010 21:14:48	Straylight	51.000	157	The1Eri	2.9060	9300.0	102	44944	No
156	GOM_NL__2PRFIN20101004_212501_000000492093_00301_44944_5019.N1	04-OCT-2010 21:25:01	Straylight	48.500	52	16Bet Cet	2.0370	4500.0	97	44944	No
157	GOM_NL__2PRFIN20101004_213512_000000392093_00301_44944_5020.N1	04-OCT-2010 21:35:12	Bright	39.000	140	88Gam Peg	2.8340	26000.	78	44944	No
158	GOM_NL__2PRFIN20101004_213918_000000392093_00301_44944_5021.N1	04-OCT-2010 21:39:18	Bright	39.000	58	21Alp And	2.0730	11000.	78	44944	No
159	GOM_NL__2PRFIN20101004_214243_000000452093_00301_44944_5022.N1	04-OCT-2010 21:42:43	Bright	45.000	53	43Bet And	2.0480	3300.0	90	44944	No
160	GOM_NL__2PRFIN20101004_214743_000000412093_00301_44944_5023.N1	04-OCT-2010 21:47:43	Bright	41.000	68	18Alp Cas	2.2250	4500.0	82	44944	No

161	GOM_NL__2PRFIN20101004_214909_000000382093_00301_44944_5024.N1	04-OCT-2010 21:49:09	Bright	38.000	76	27Gam Cas	2.3000	30000.	76	44944	No
162	GOM_NL__2PRFIN20101004_215237_000000372093_00301_44944_5025.N1	04-OCT-2010 21:52:37	Twilight	37.000	160	23Gam Per	2.9300	4700.0	74	44944	No
163	GOM_NL__2PRFIN20101004_221534_000000442093_00301_44944_5026.N1	04-OCT-2010 22:15:34	Bright	43.500	166	17Eps Leo	2.9800	6000.0	87	44944	No
164	GOM_NL__2PRFIN20101004_223249_000000502093_00301_44944_5027.N1	04-OCT-2010 22:32:49	Dark	50.000	132	15Rho Pup	2.8030	6900.0	100	44944	No
165	GOM_NL__2PRFIN20101004_223629_000000412093_00301_44944_5028.N1	04-OCT-2010 22:36:29	Dark	40.500	70	Zet Pup	2.2460	39000.	81	44944	No
166	GOM_NL__2PRFIN20101004_223834_000000572093_00301_44944_5029.N1	04-OCT-2010 22:38:34	Dark	56.500	23	21Eps CMa	1.5020	26000.	113	44944	No
167	GOM_NL__2PRFIN20101004_224558_000000342093_00302_44945_5034.N1	04-OCT-2010 22:45:58	Dark	34.000	108	Alp Col	2.6520	15200.	68	44945	No
168	GOM_NL__2PRFIN20101004_225524_000000482093_00302_44945_5035.N1	04-OCT-2010 22:55:24	Straylight	48.000	157	The1Eri	2.9060	9300.0	96	44945	No
169	GOM_NL__2PRFIN20101004_230537_000000512093_00302_44945_5036.N1	04-OCT-2010 23:05:37	Straylight	50.500	52	16Bet Cet	2.0370	4500.0	101	44945	No
170	GOM_NL__2PRFIN20101004_231548_000000402093_00302_44945_5037.N1	04-OCT-2010 23:15:48	Bright	39.500	140	88Gam Peg	2.8340	26000.	79	44945	No
171	GOM_NL__2PRFIN20101004_231954_000000402093_00302_44945_5038.N1	04-OCT-2010 23:19:54	Bright	39.500	58	21Alp And	2.0730	11000.	79	44945	No
172	GOM_NL__2PRFIN20101004_232318_000000442093_00302_44945_5039.N1	04-OCT-2010 23:23:18	Bright	44.000	53	43Bet And	2.0480	3300.0	88	44945	No
173	GOM_NL__2PRFIN20101004_232819_000000422093_00302_44945_5040.N1	04-OCT-2010 23:28:19	Bright	41.500	68	18Alp Cas	2.2250	4500.0	83	44945	No
174	GOM_NL__2PRFIN20101004_232944_000000412093_00302_44945_5041.N1	04-OCT-2010 23:29:44	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	44945	No
175	GOM_NL__2PRFIN20101004_233312_000000372093_00302_44945_5042.N1	04-OCT-2010 23:33:12	Twilight	37.000	160	23Gam Per	2.9300	4700.0	74	44945	No
176	GOM_NL__2PRFIN20101004_235610_000000362093_00302_44945_5043.N1	04-OCT-2010 23:56:10	Bright	36.000	166	17Eps Leo	2.9800	6000.0	72	44945	No

### 3. Quality information per product

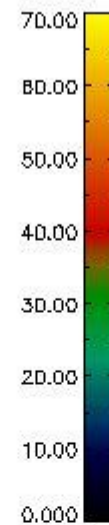
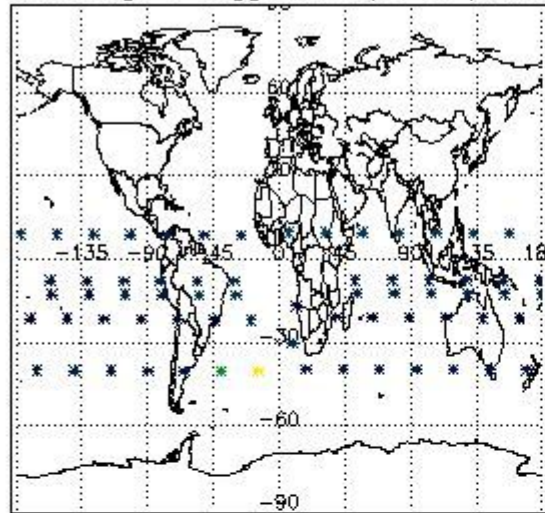
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

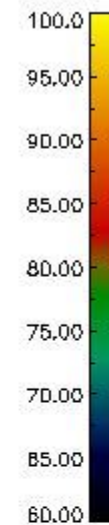
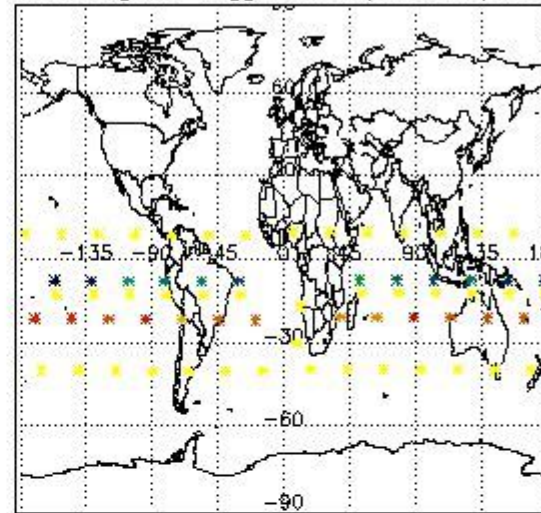


### 3.2 Plot quality information per product (world map)

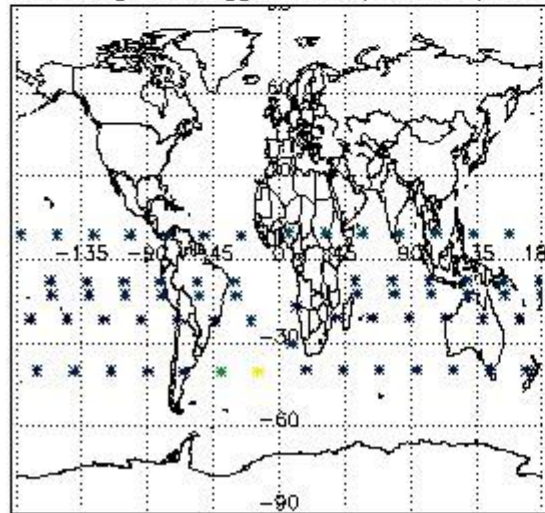
Percentage of flagged data per O3 profile



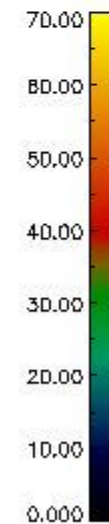
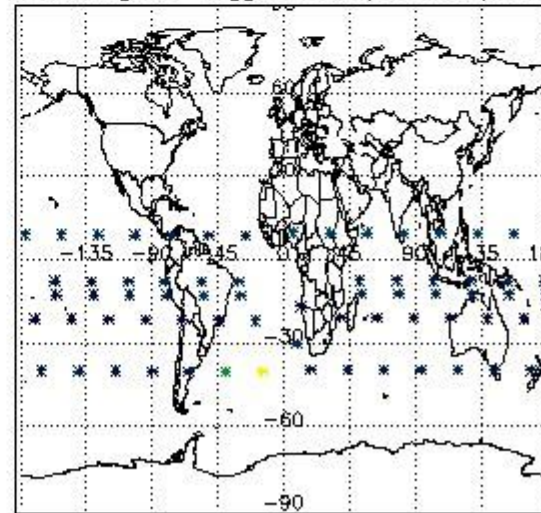
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile



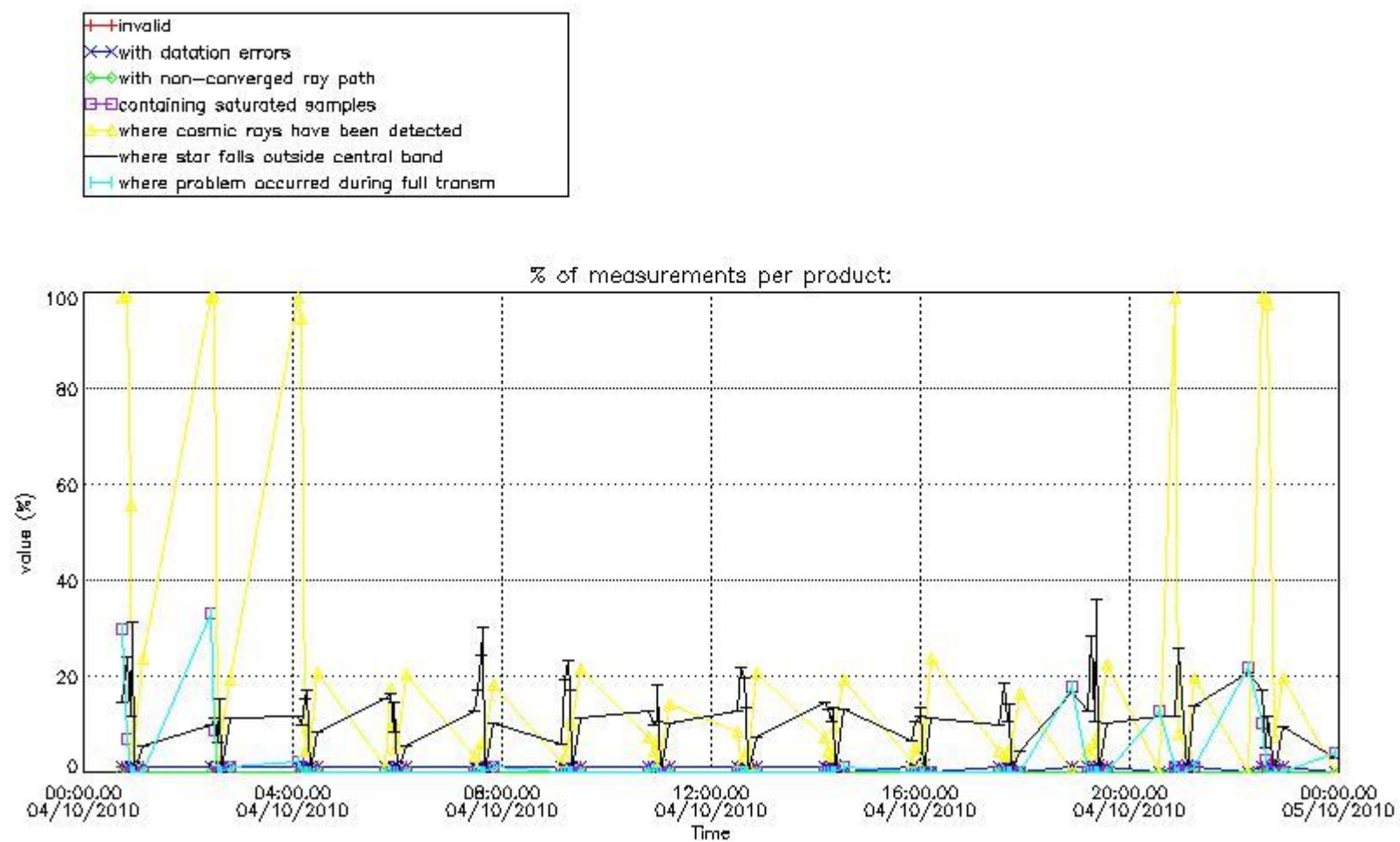
### 4. Level 1 quality information per product

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

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

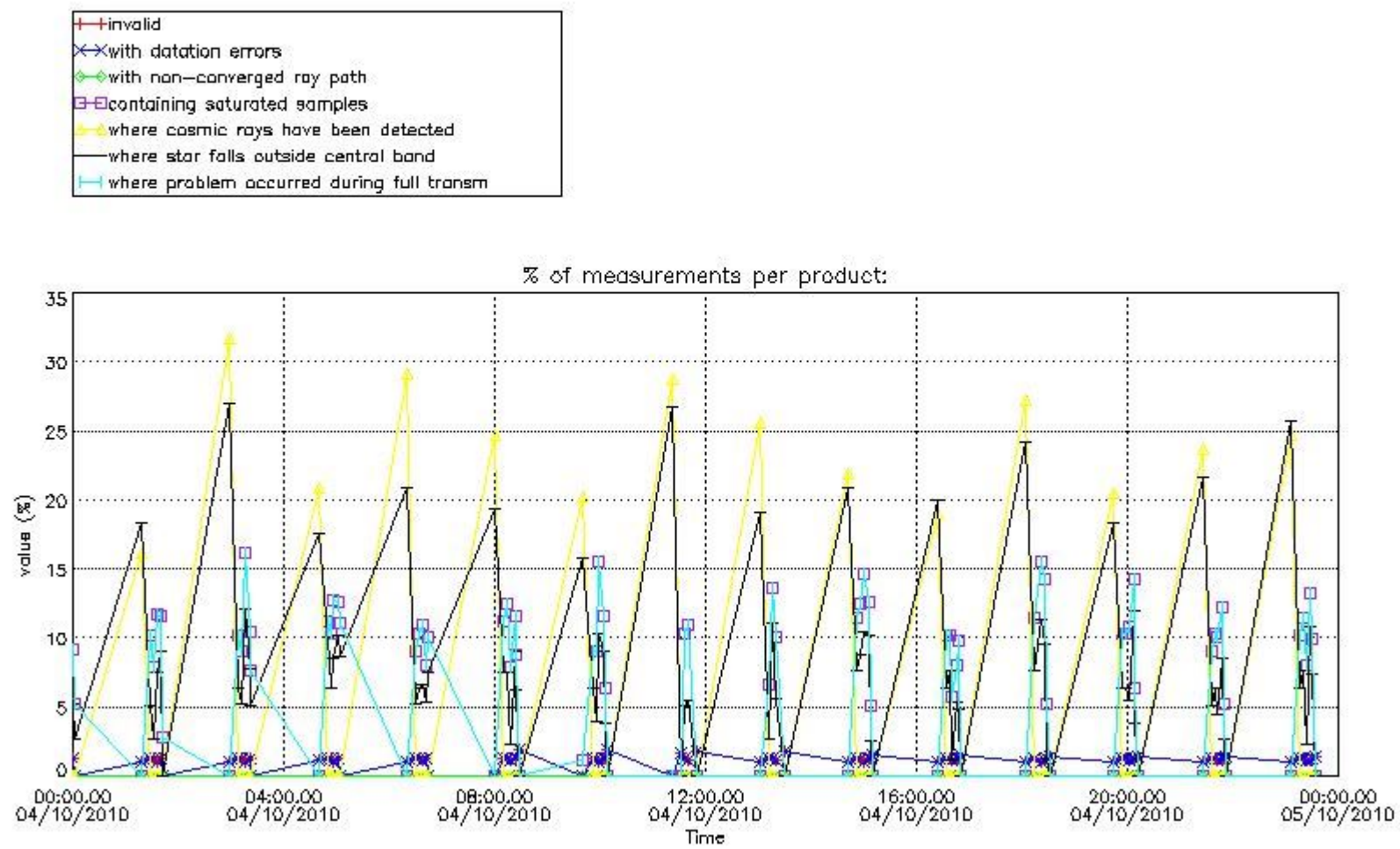
##### 4.1.1 Plot level 1 quality information per product (time dependant): ENVISAT ASCENDING passes





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

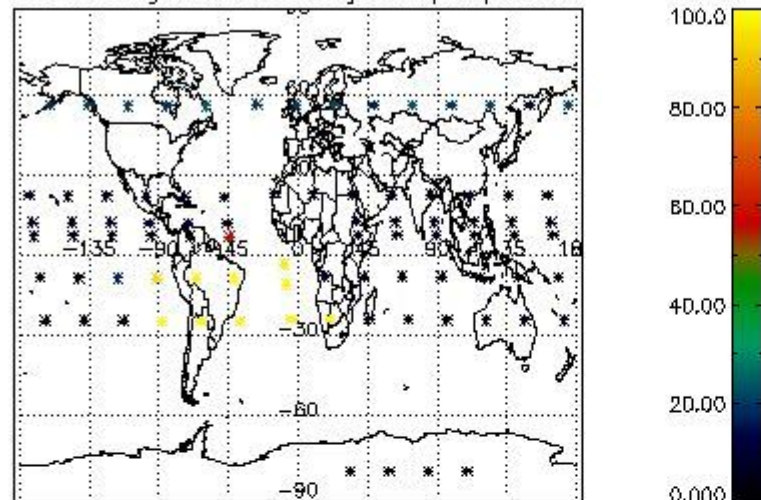




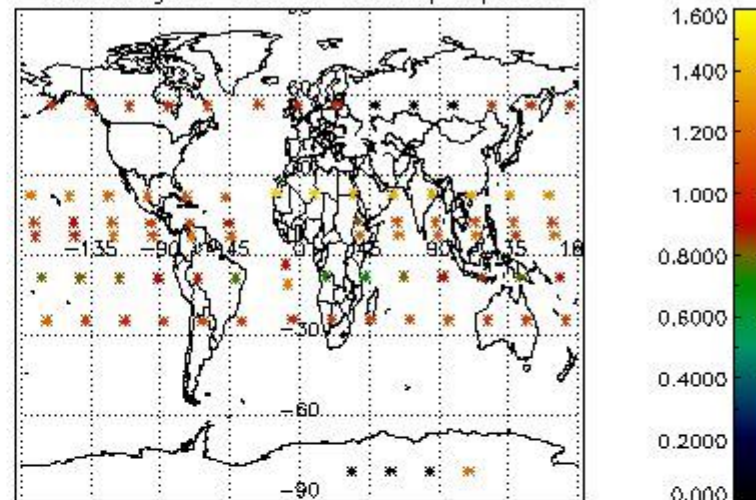
4.2 Plot quality information per product coming from level 1b processing (world map)

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

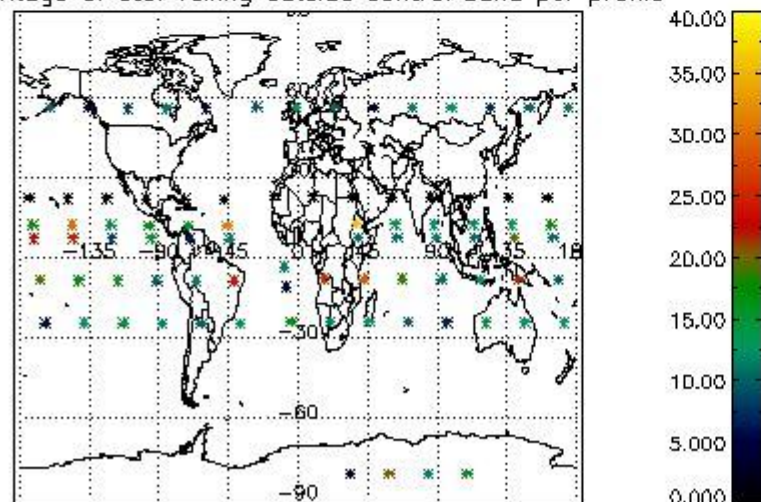
Percentage of cosmic ray hits per profile



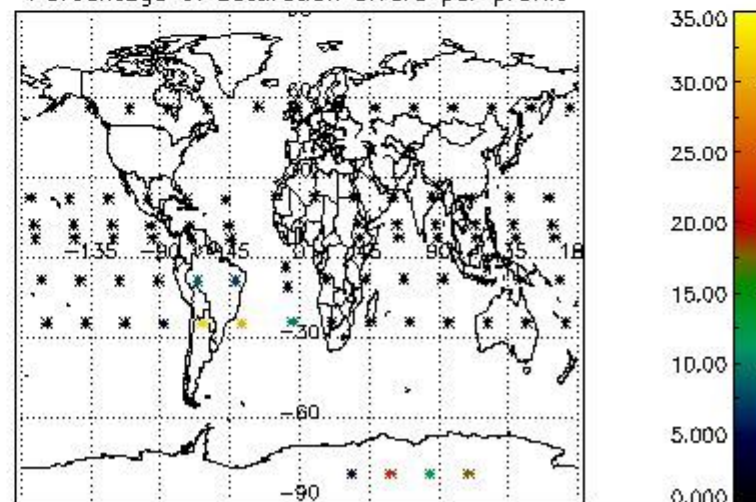
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



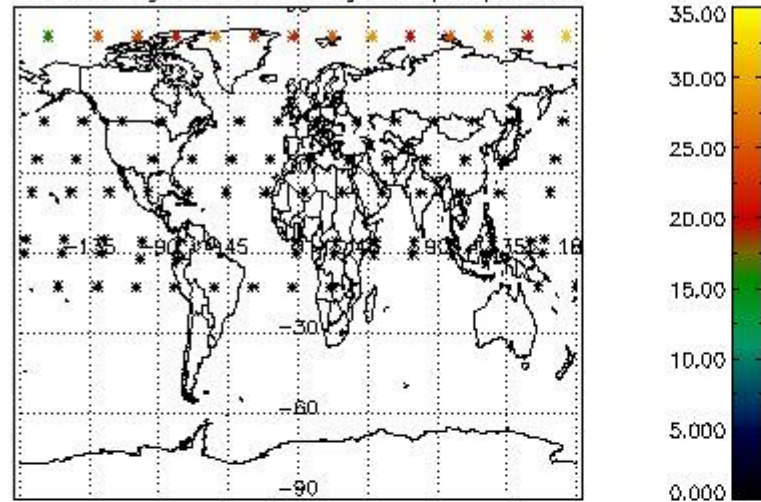
Percentage of saturation errors per profile



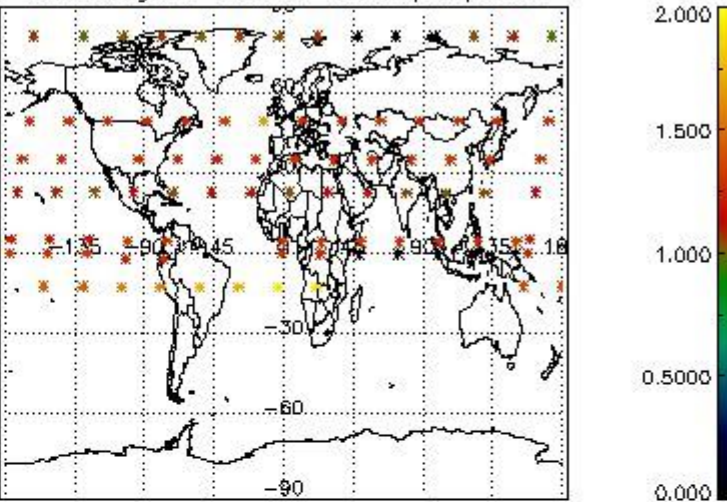
4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes



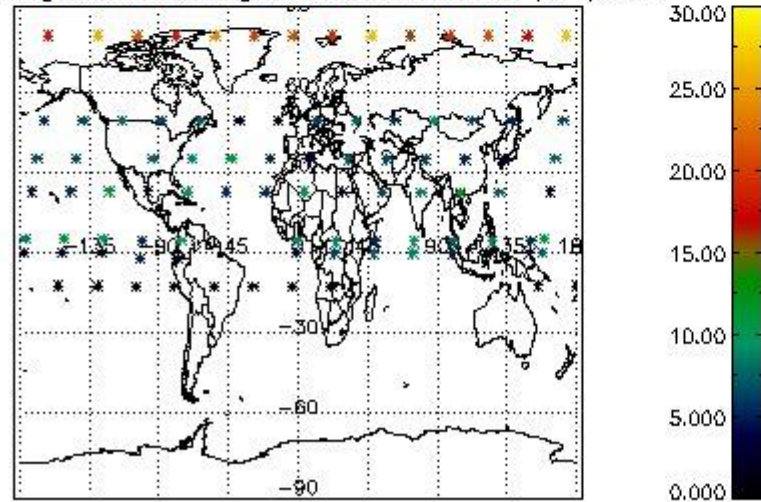
Percentage of cosmic ray hits per profile



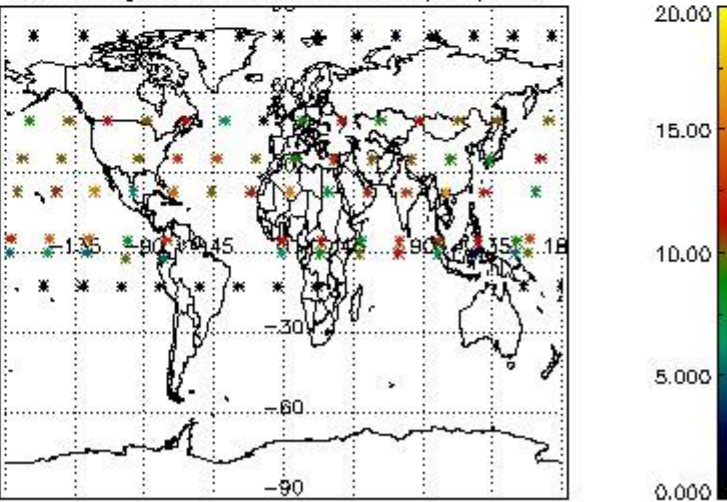
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/o3\_std of the level 2 products. The table below shows the statistics for given STD ranges.

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

- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

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

- Products in dark limb illumination condition: GOM\_NL\_\_2P/NL\_SUMMARY\_QUALITY/obs\_ill\_cond=0
- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

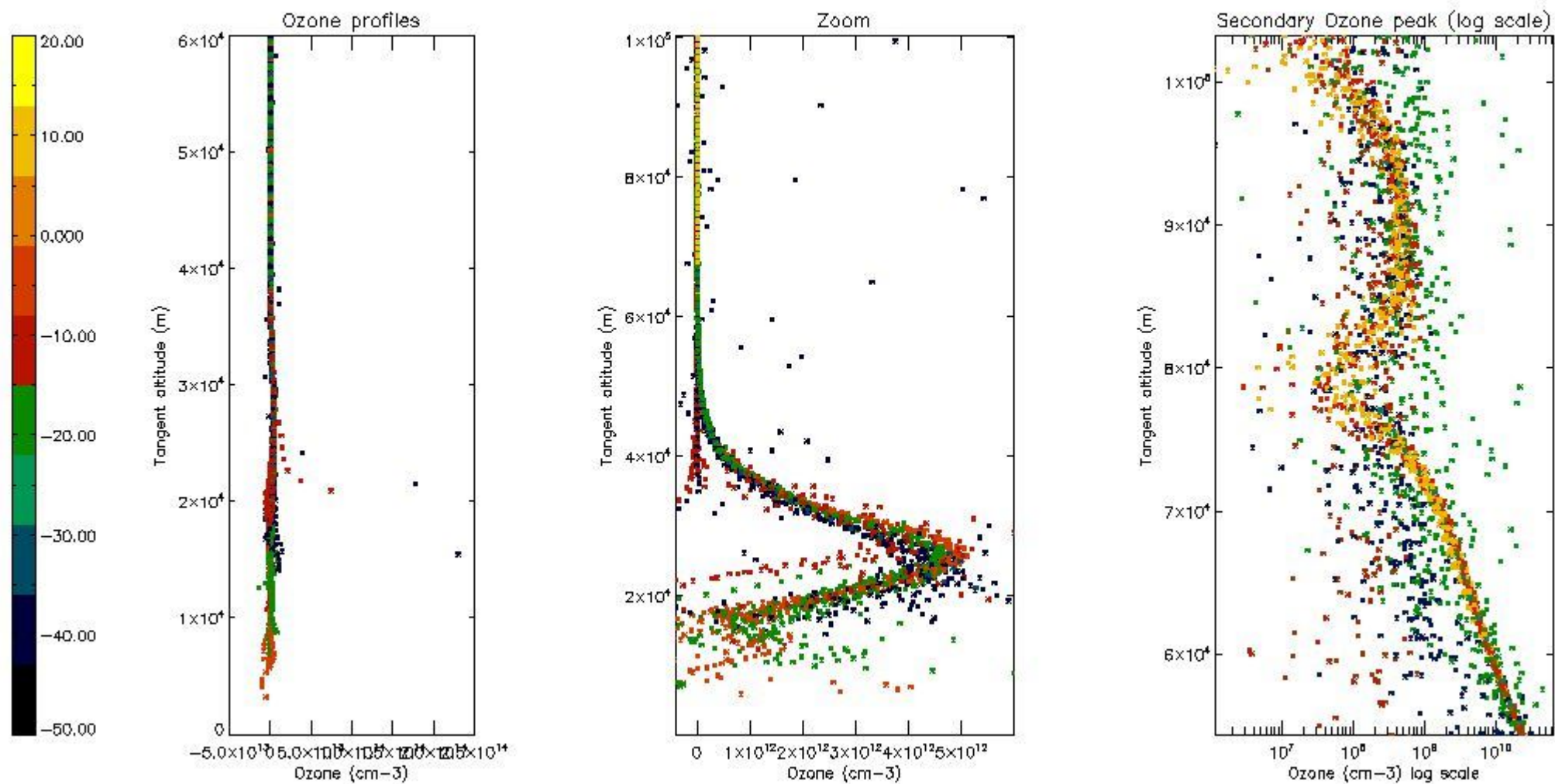
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	42
STD < 20	17

STD < 10	11
STD < 5	7

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

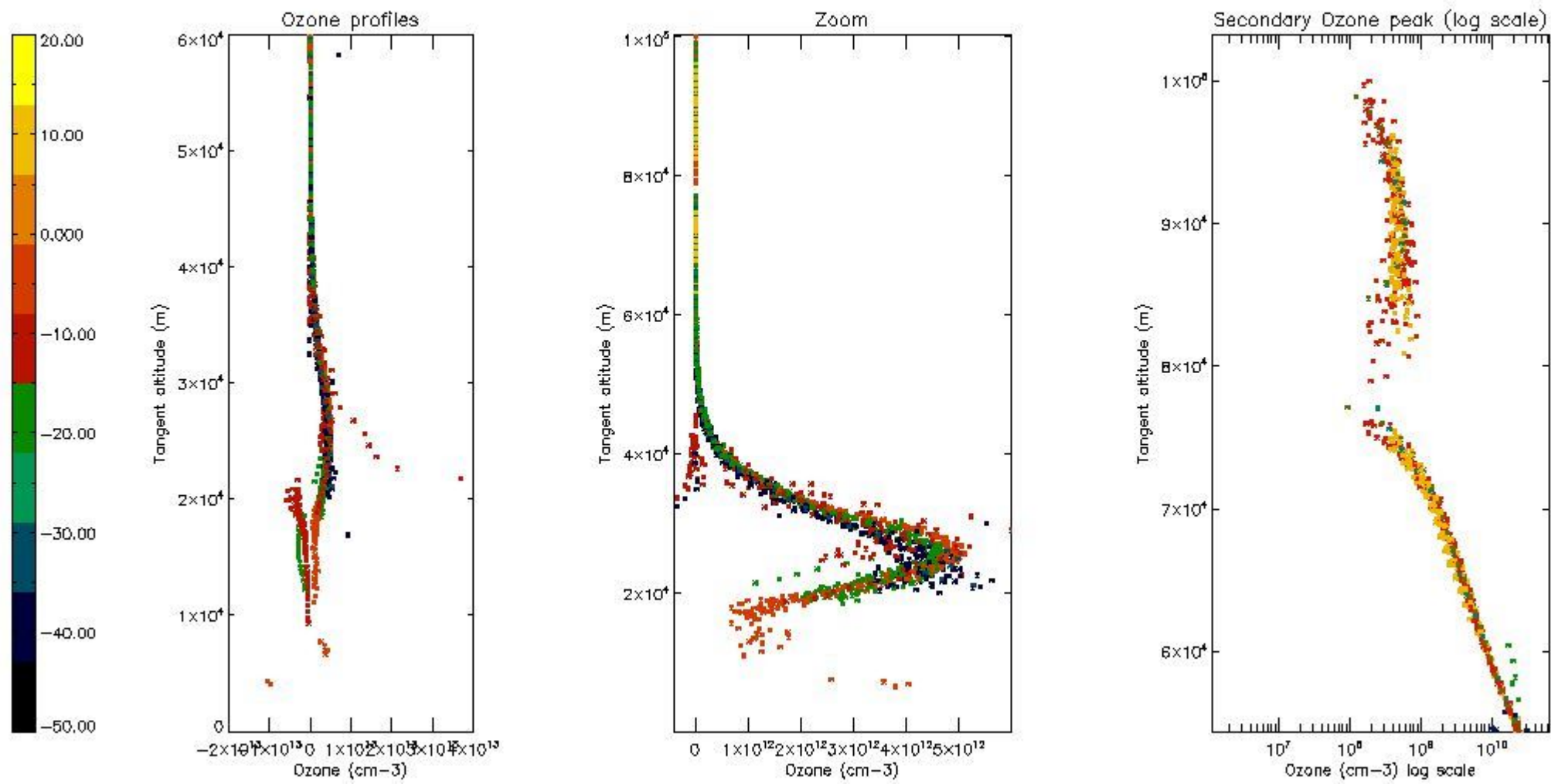
The colorbar represents the latitude.



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

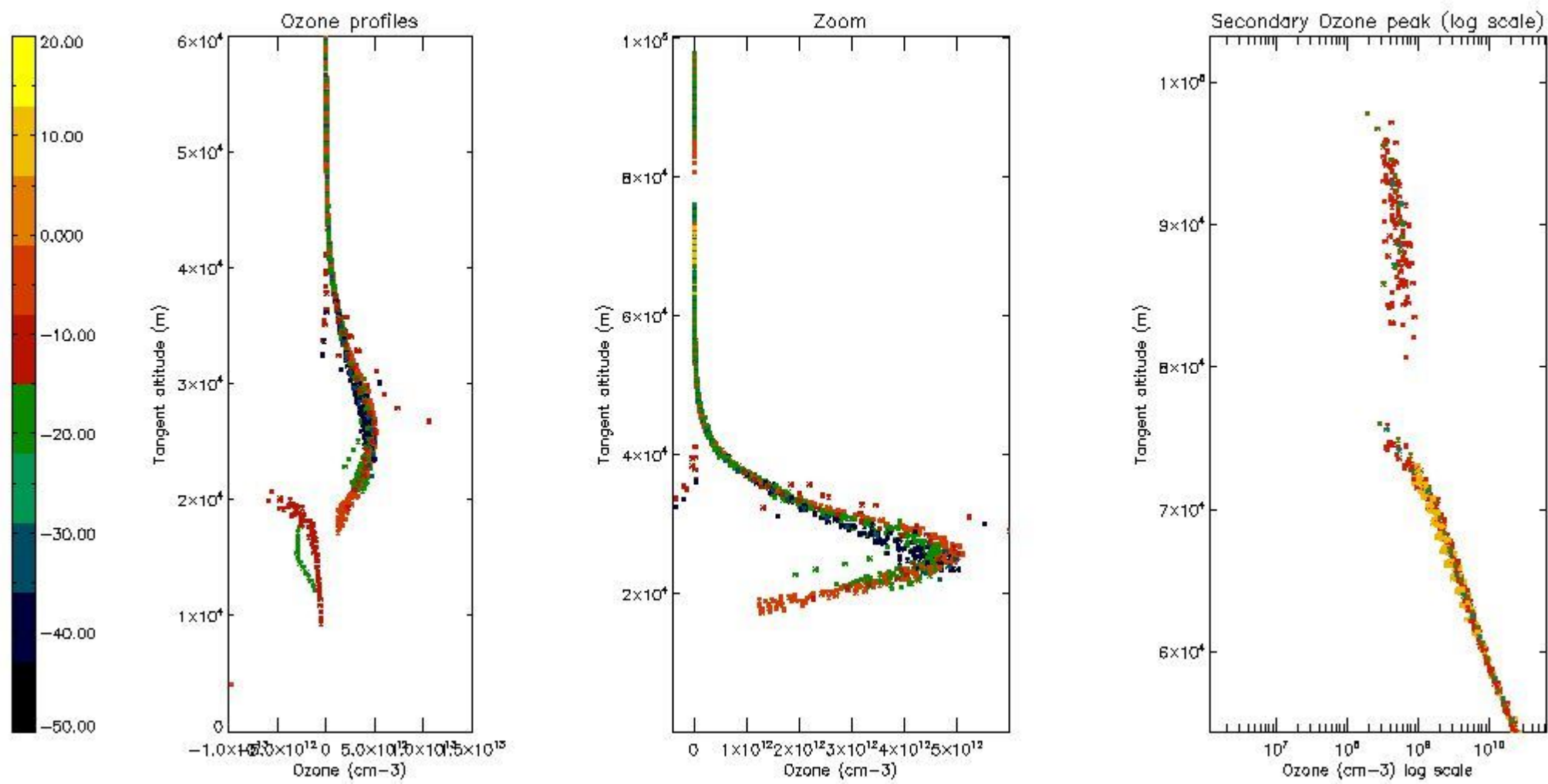
The colorbar represents the latitude.





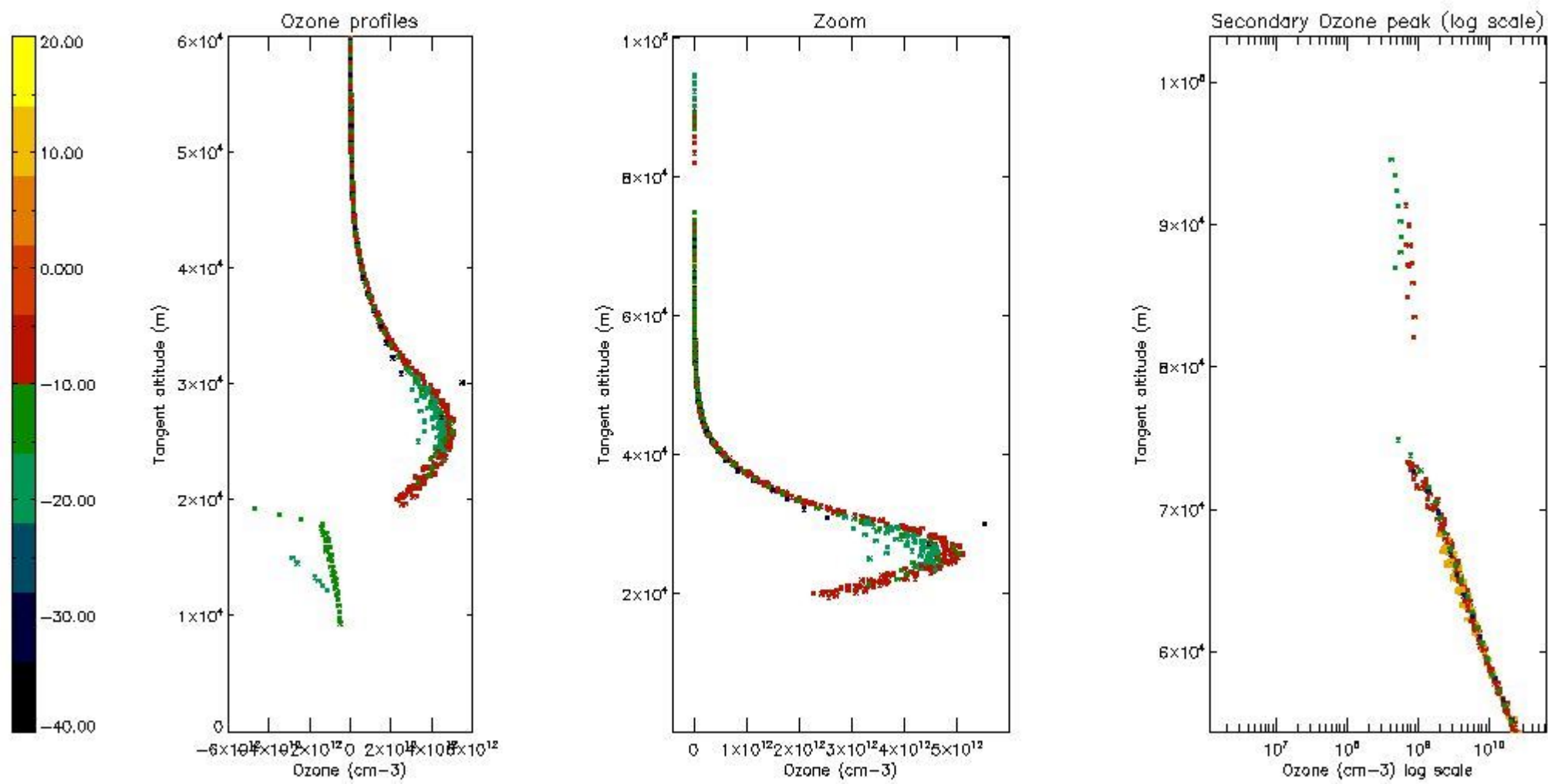
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



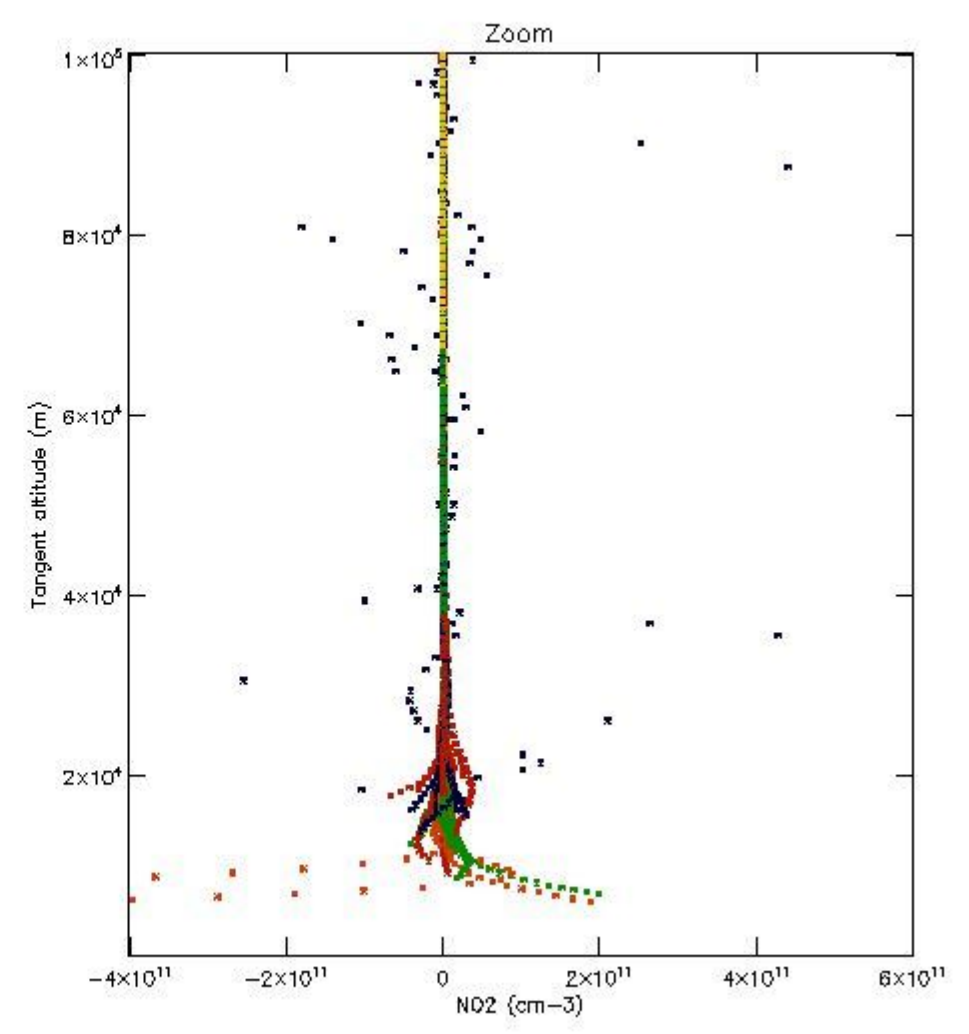
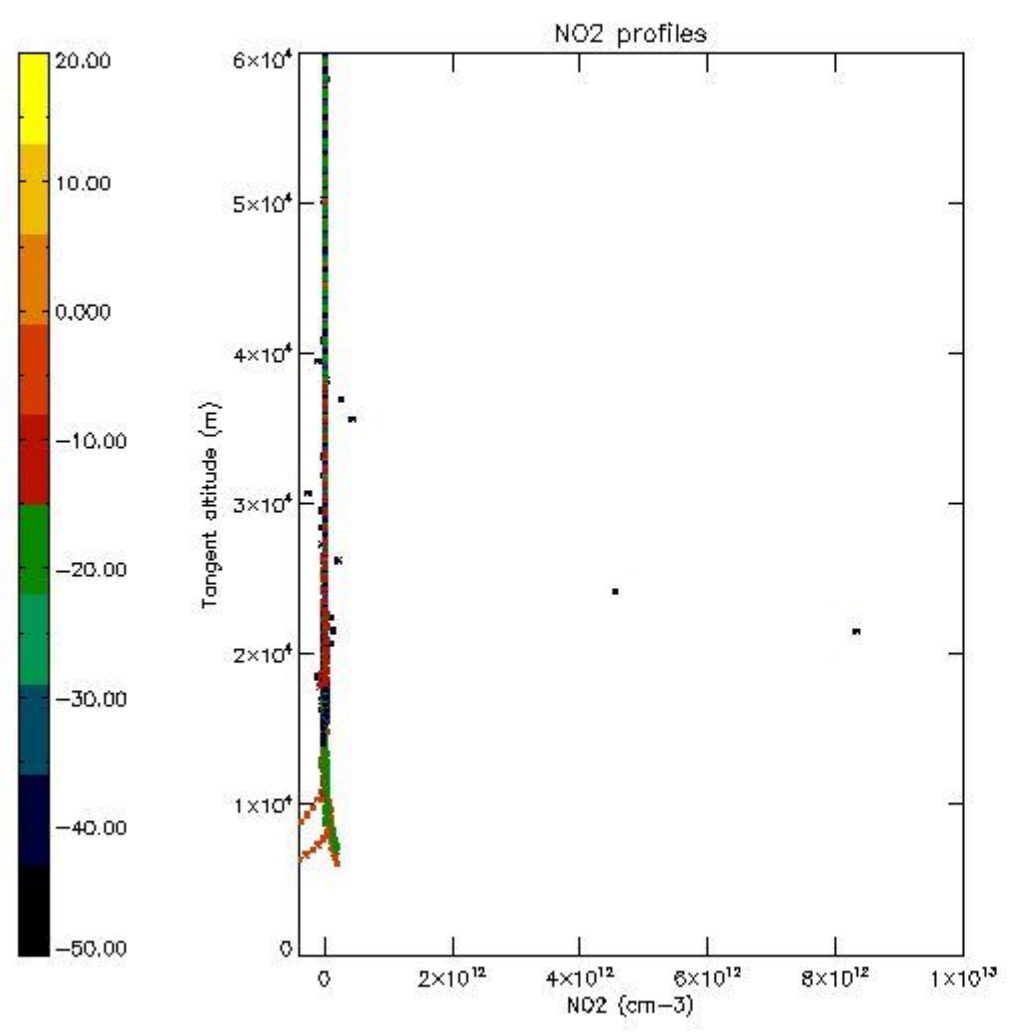
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



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

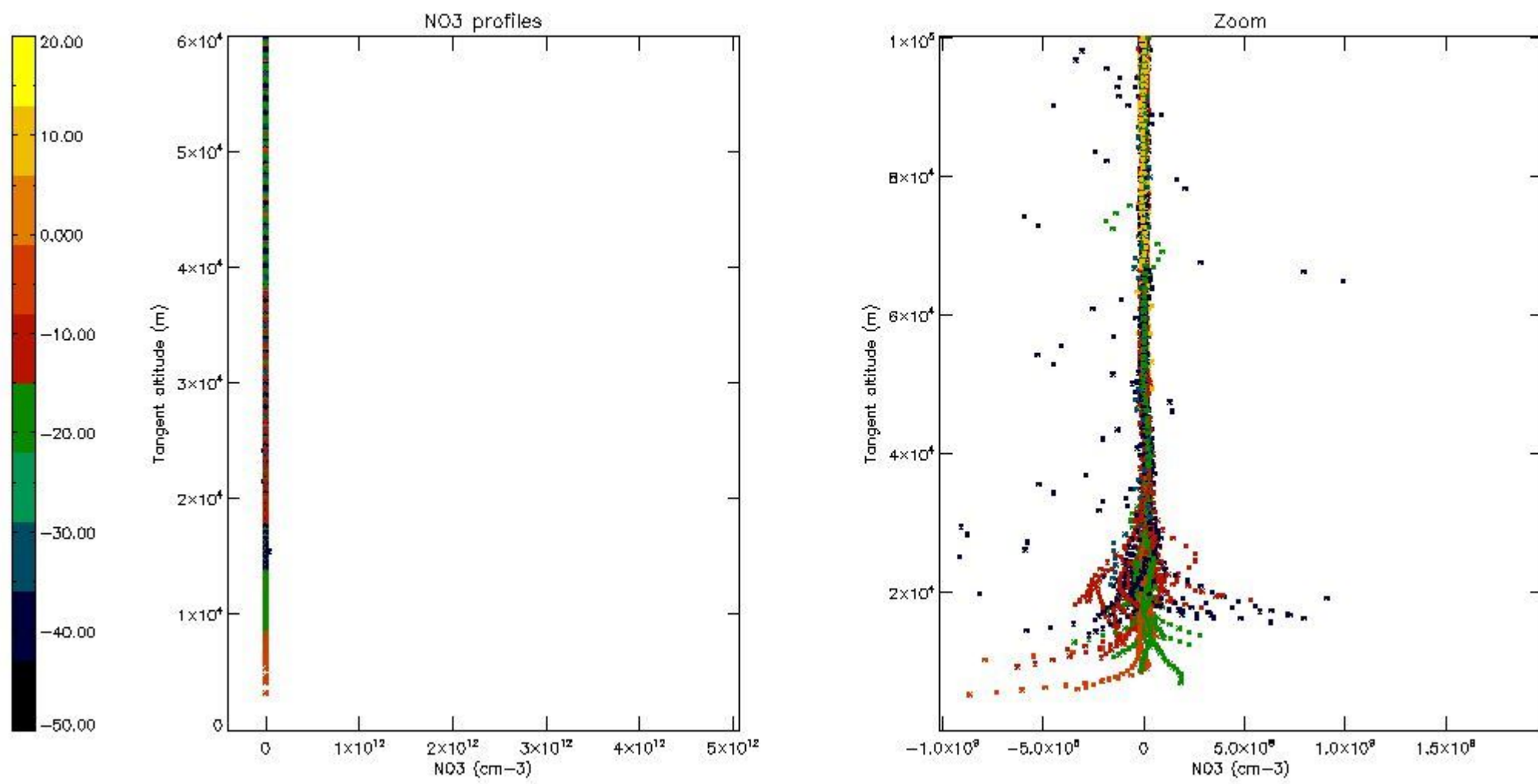
The colorbar represents the latitude.



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

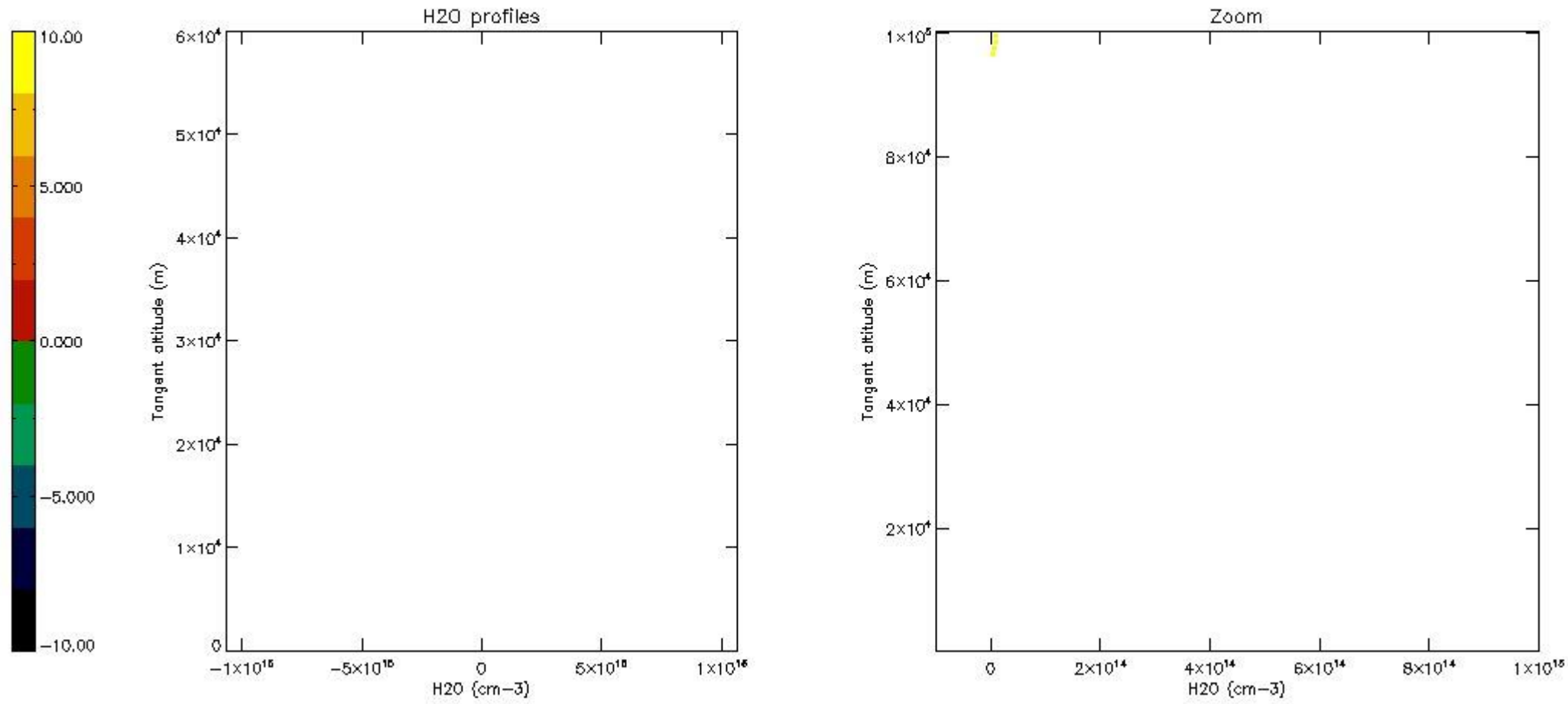
The colorbar represents the latitude.





5.8 Plot H<sub>2</sub>O profiles for all STD (only for occultations of stars 1,2,3,4,13,14,16,26,63 dark without errors)

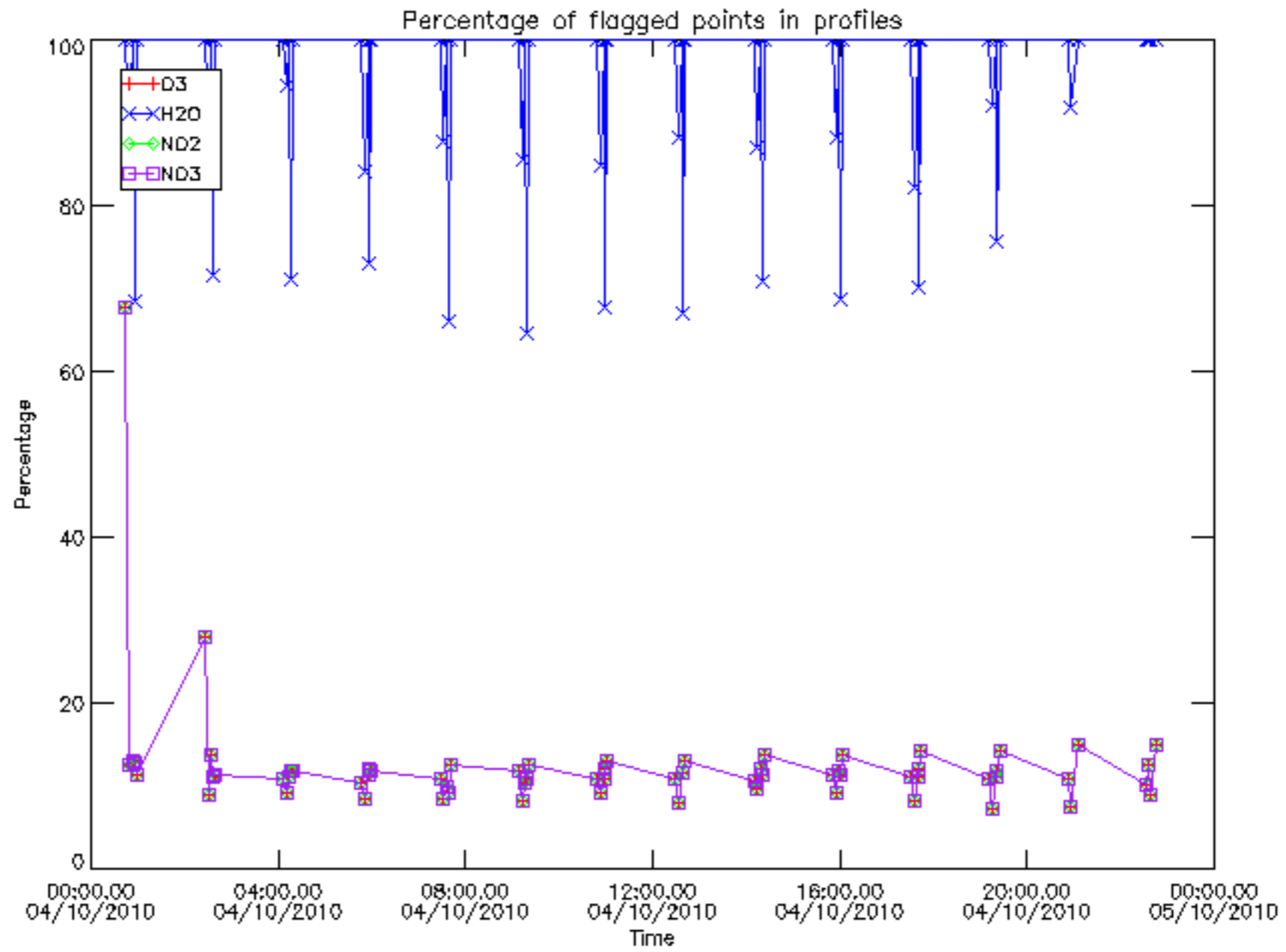
The colorbar represents the latitude.



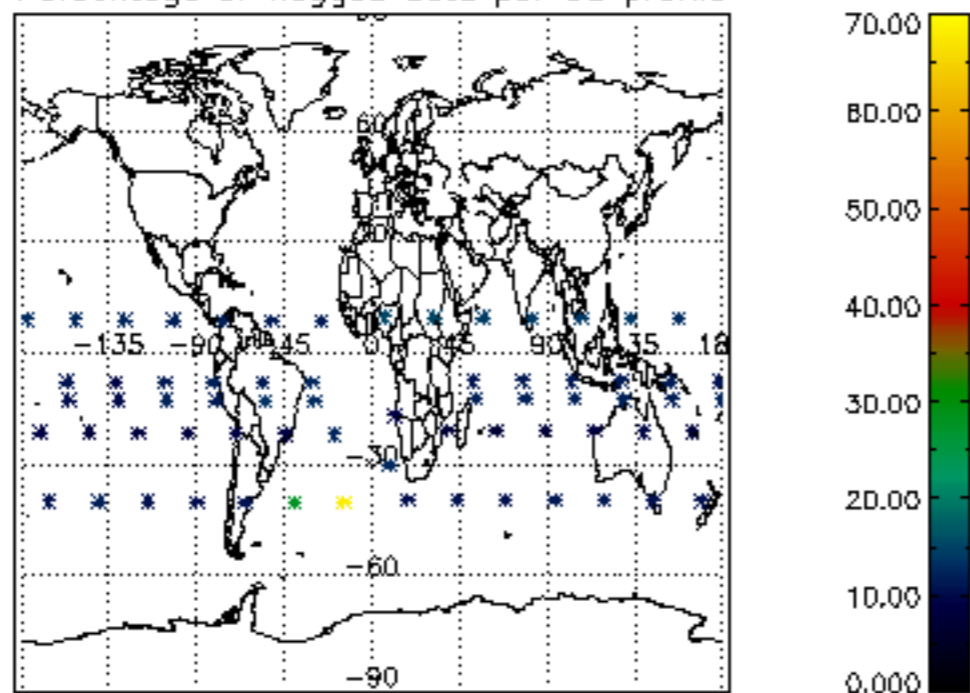
## 6. Auxiliary Data Files used for the production reported in section 2

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.

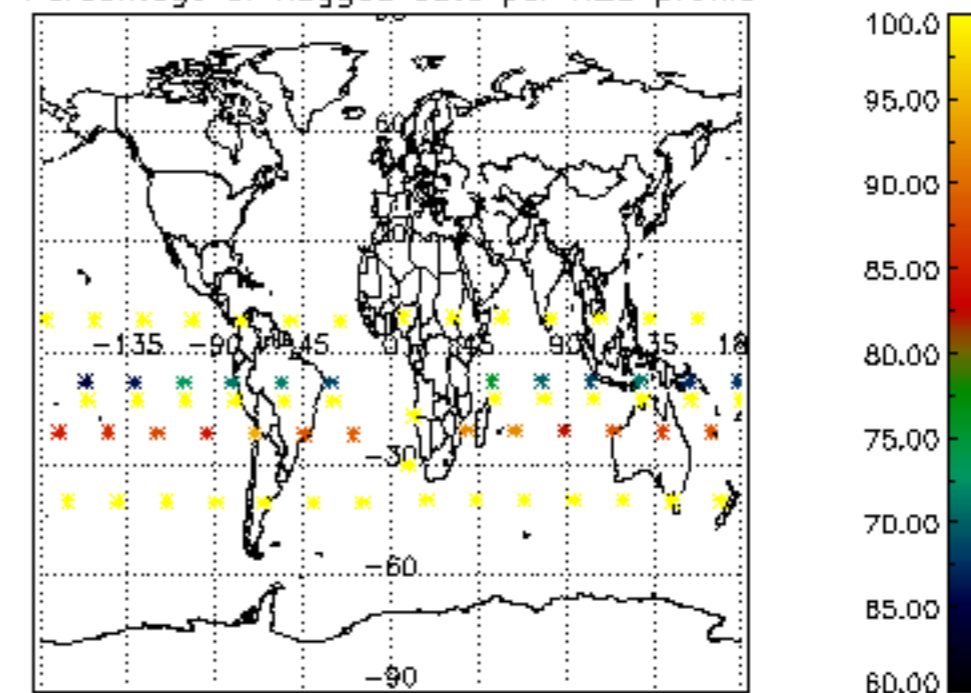
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	04-OCT-2010 00:00:11
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	04-OCT-2010 00:00:11
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	04-OCT-2010 00:00:11



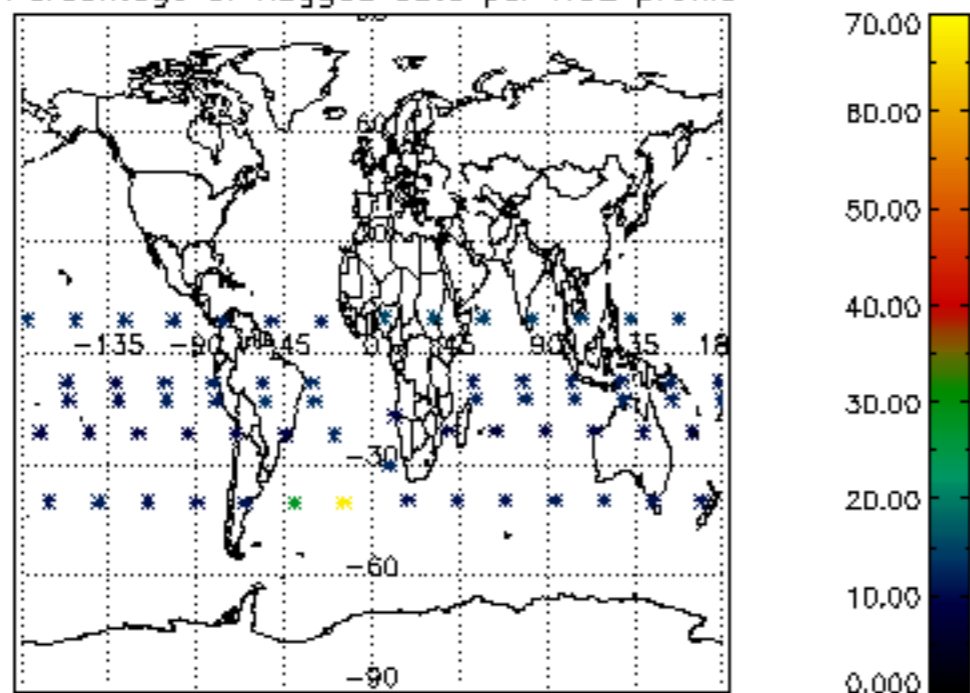
Percentage of flagged data per D3 profile



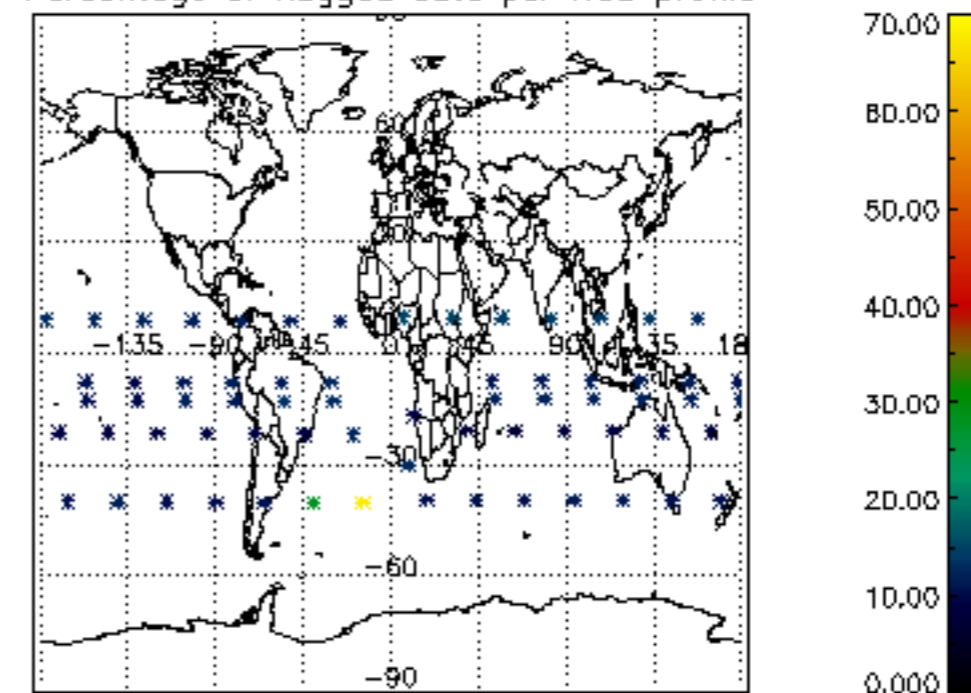
Percentage of flagged data per H2O profile



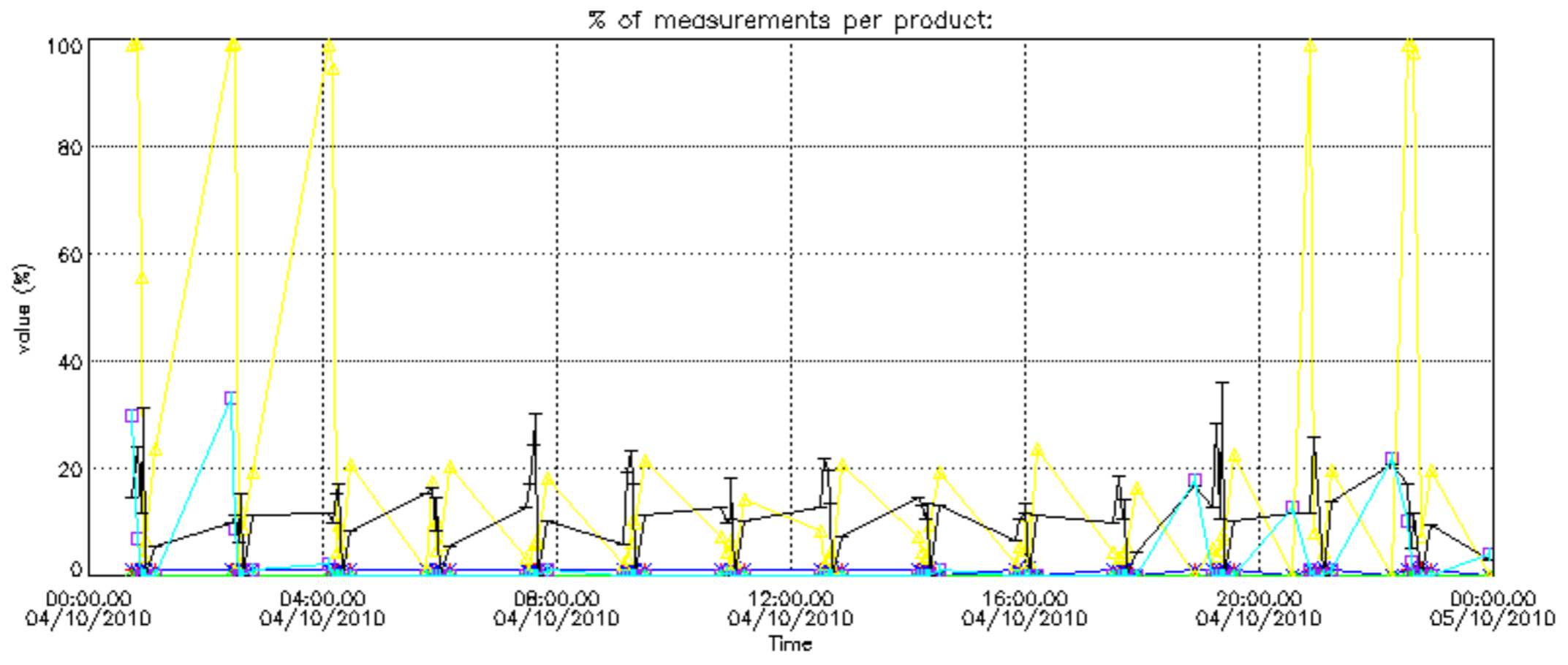
Percentage of flagged data per NO2 profile

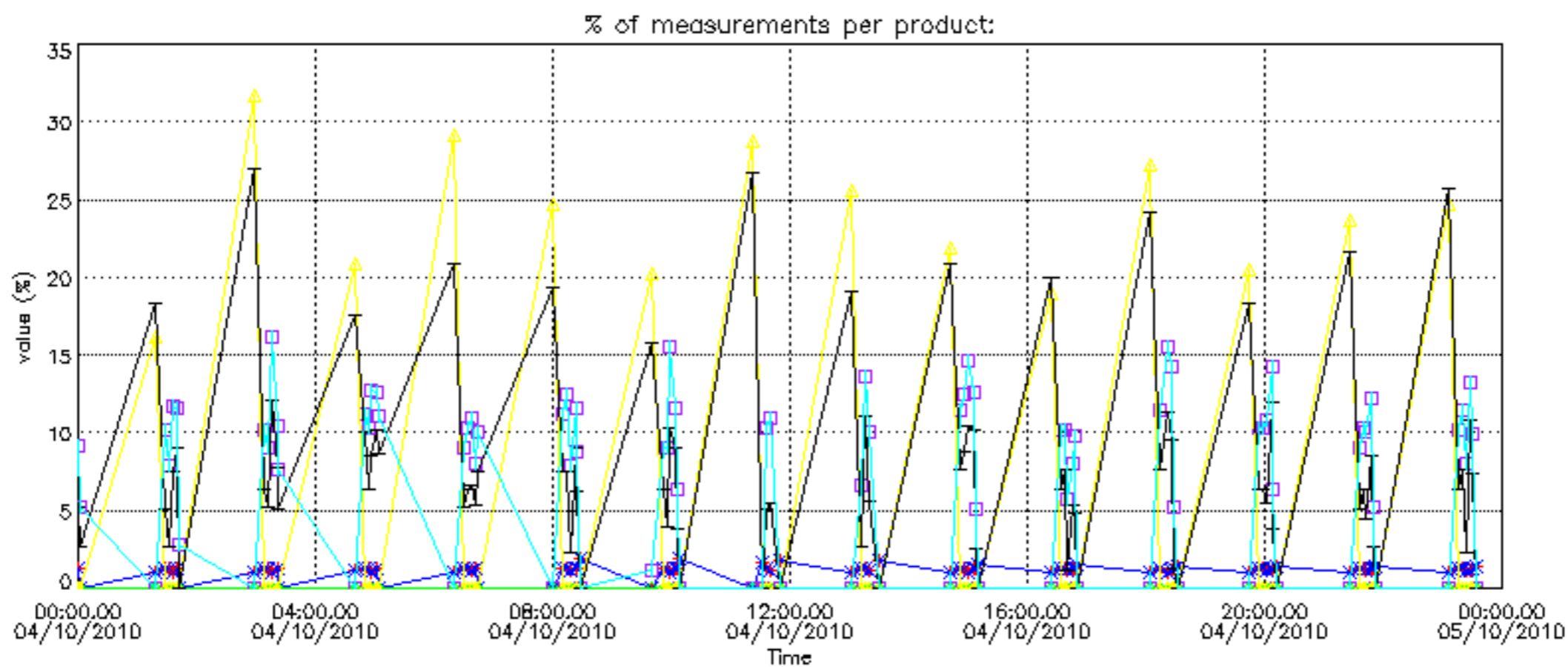


Percentage of flagged data per NO3 profile

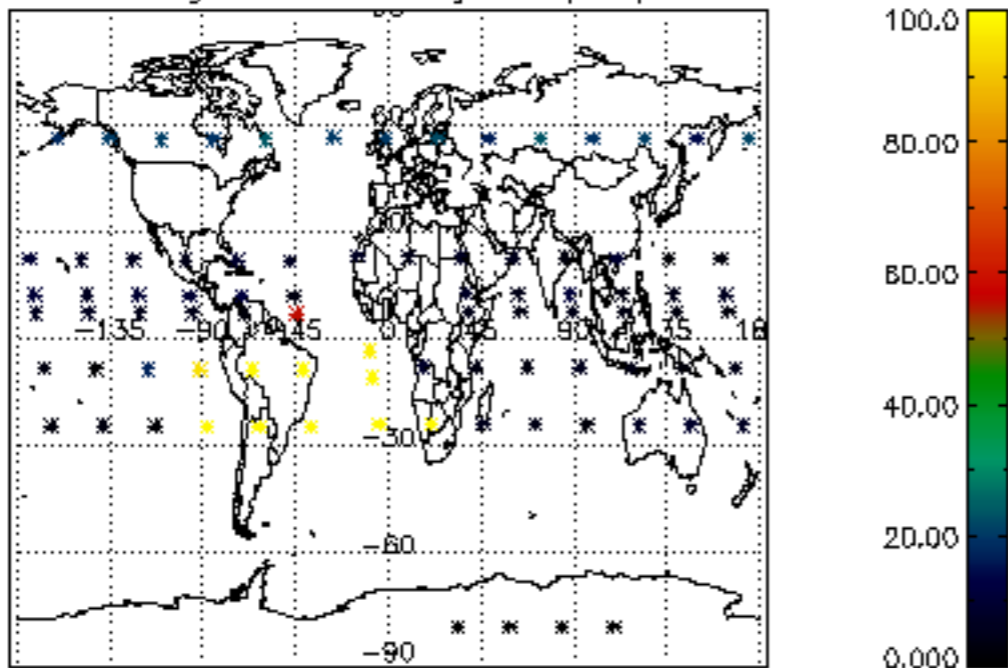




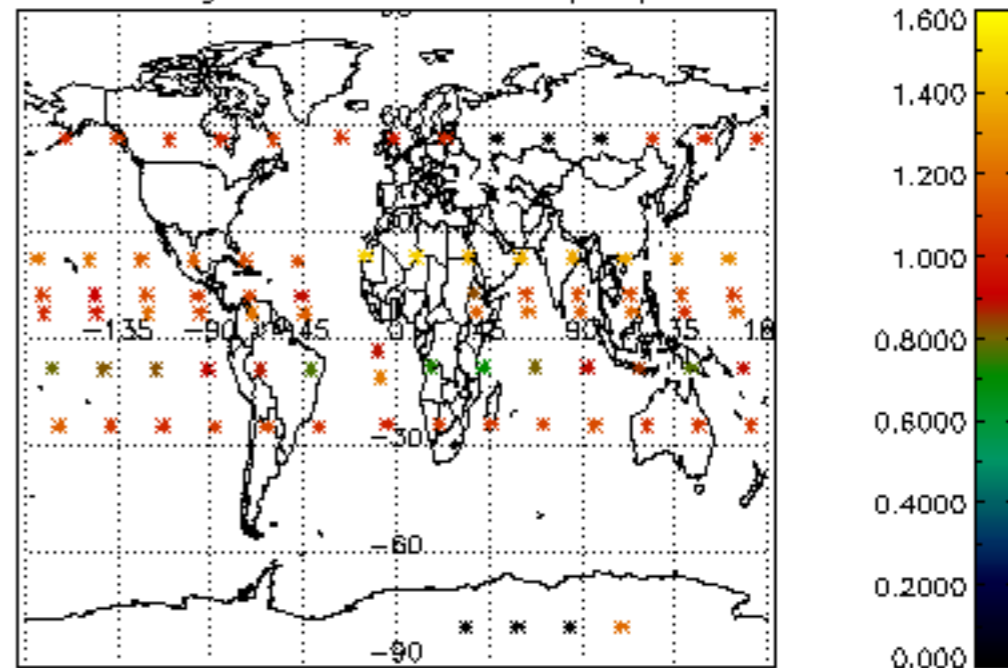




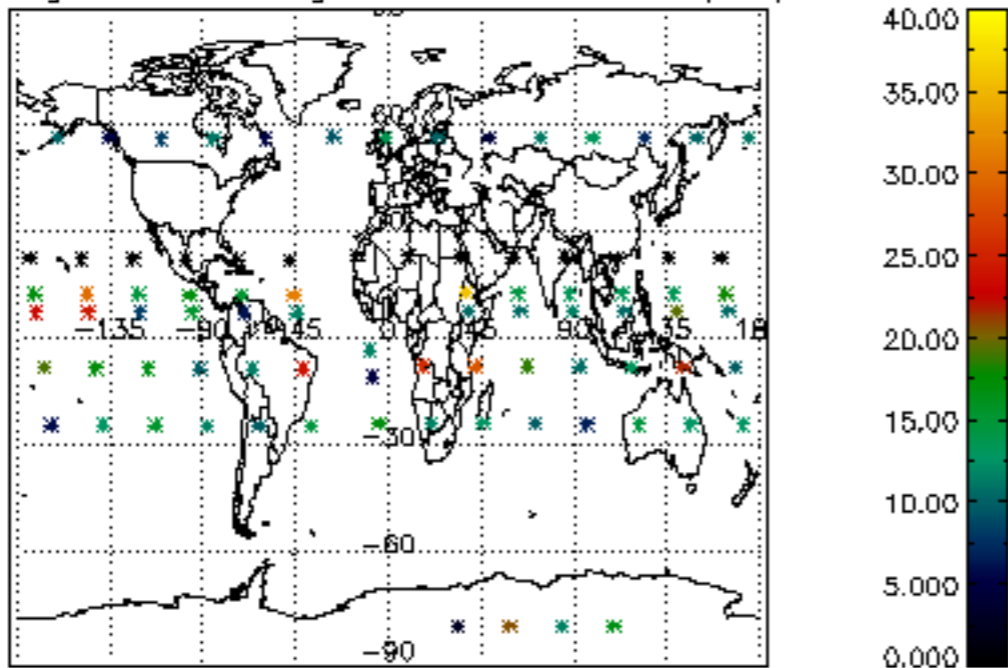
Percentage of cosmic ray hits per profile



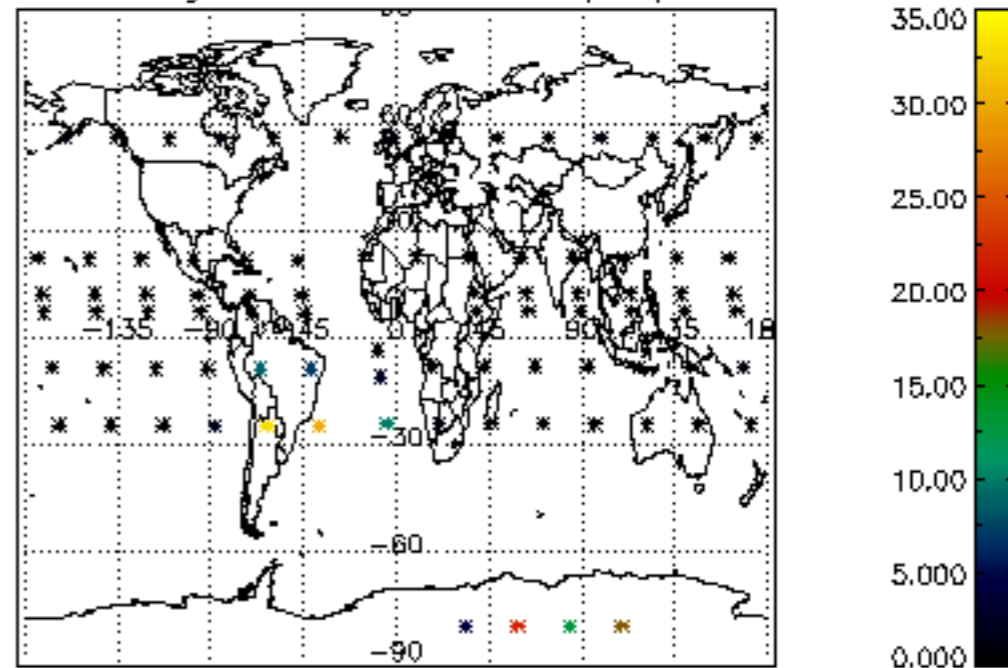
Percentage of datation errors per profile



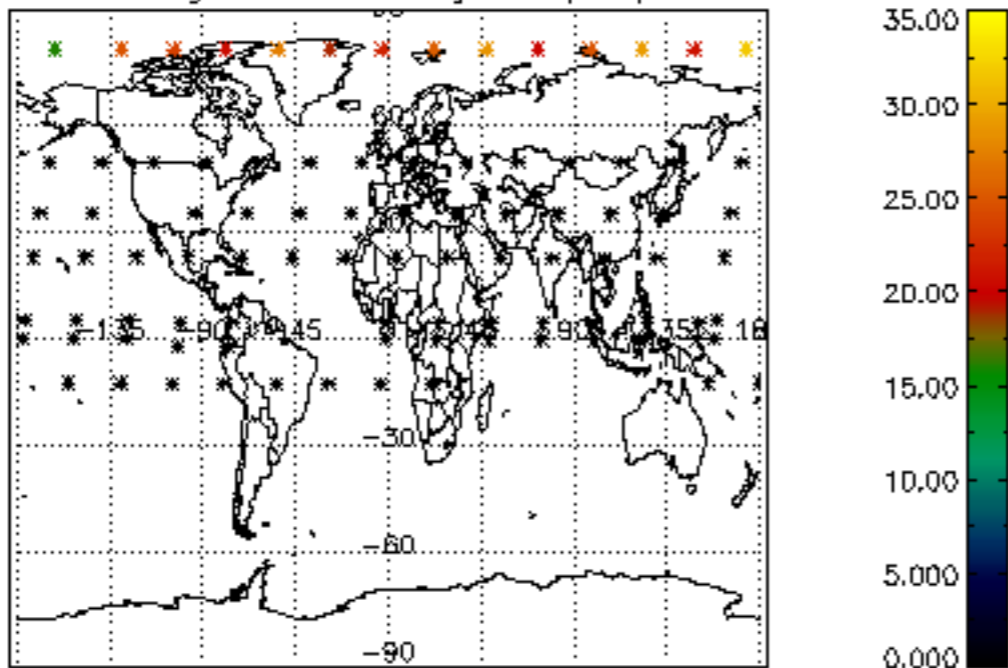
Percentage of star falling outside central band per profile



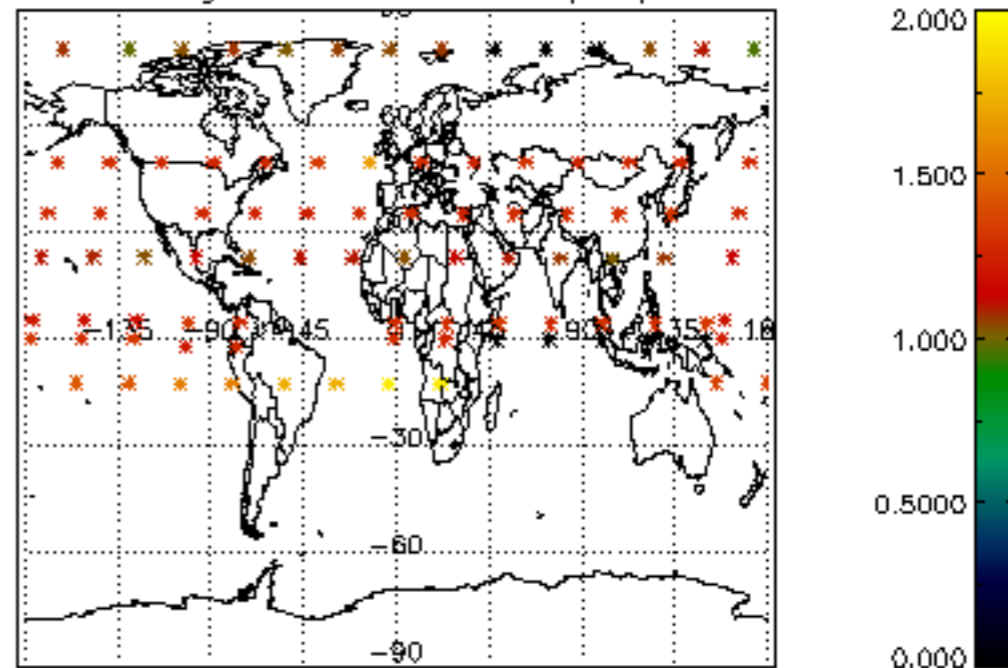
Percentage of saturation errors per profile



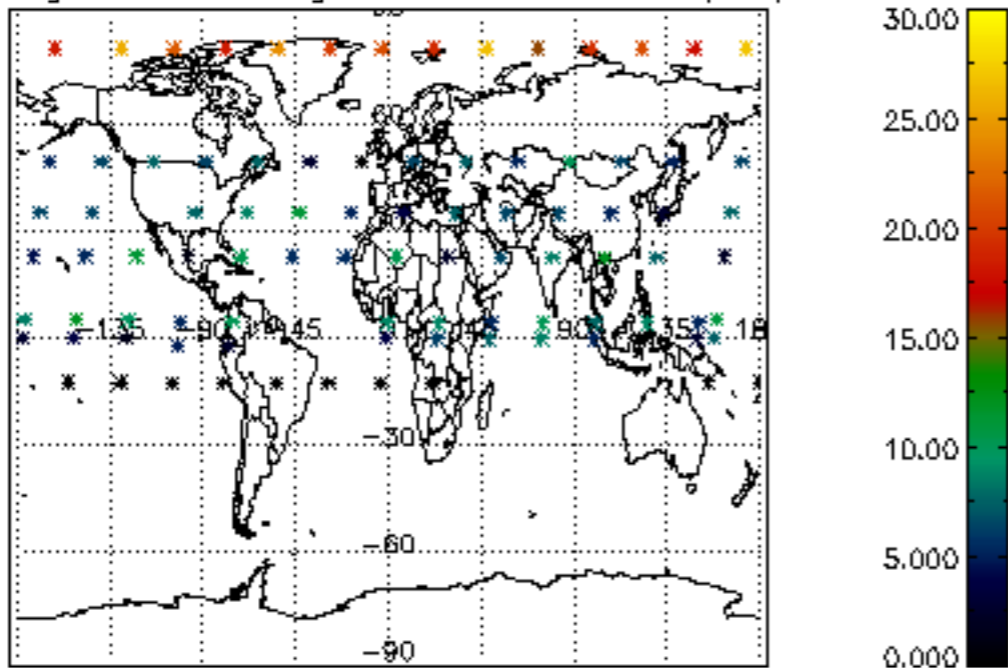
Percentage of cosmic ray hits per profile



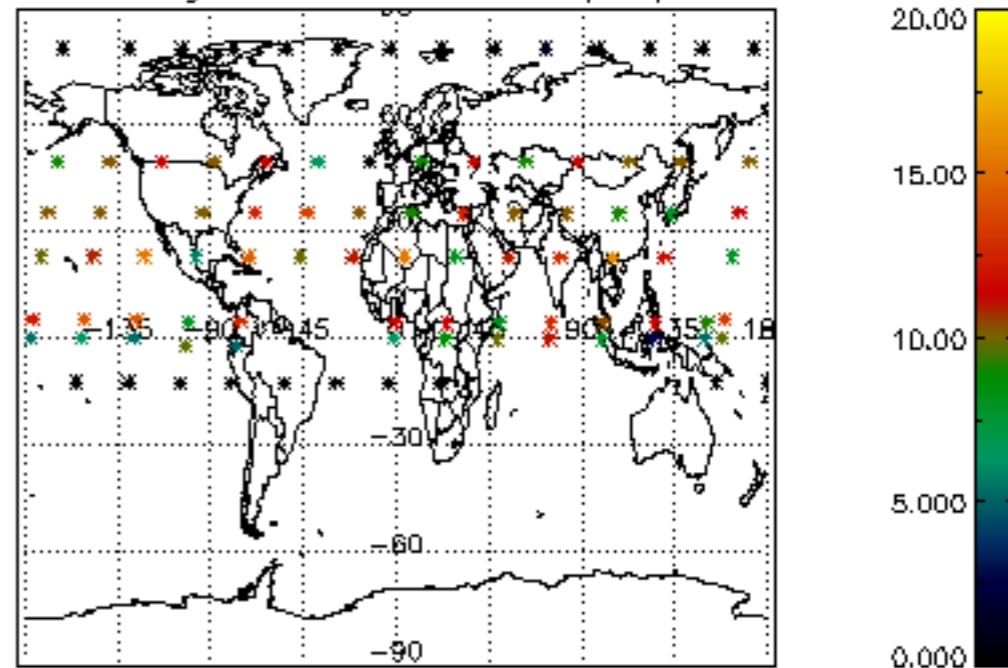
Percentage of datation errors per profile



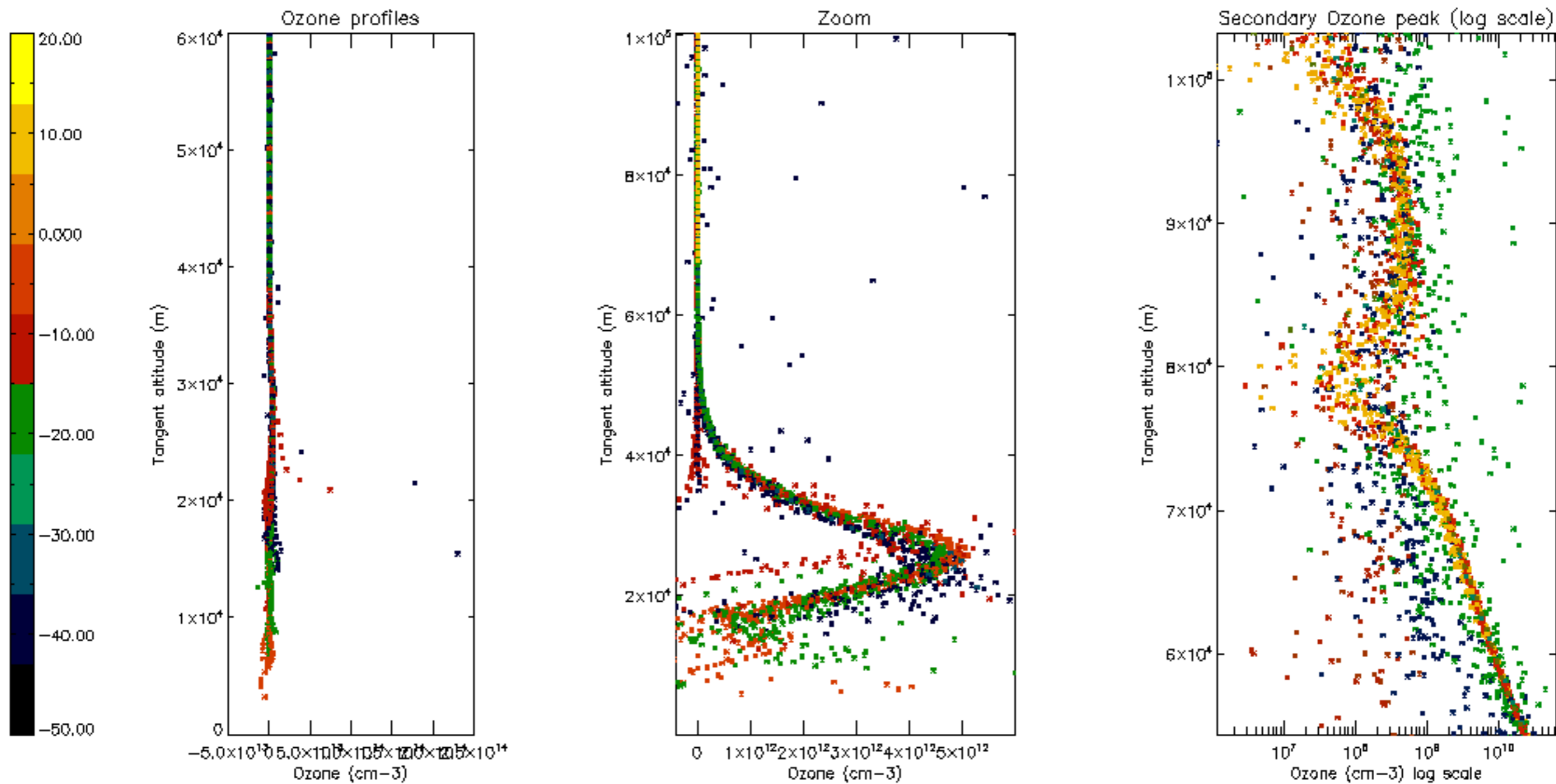
Percentage of star falling outside central band per profile

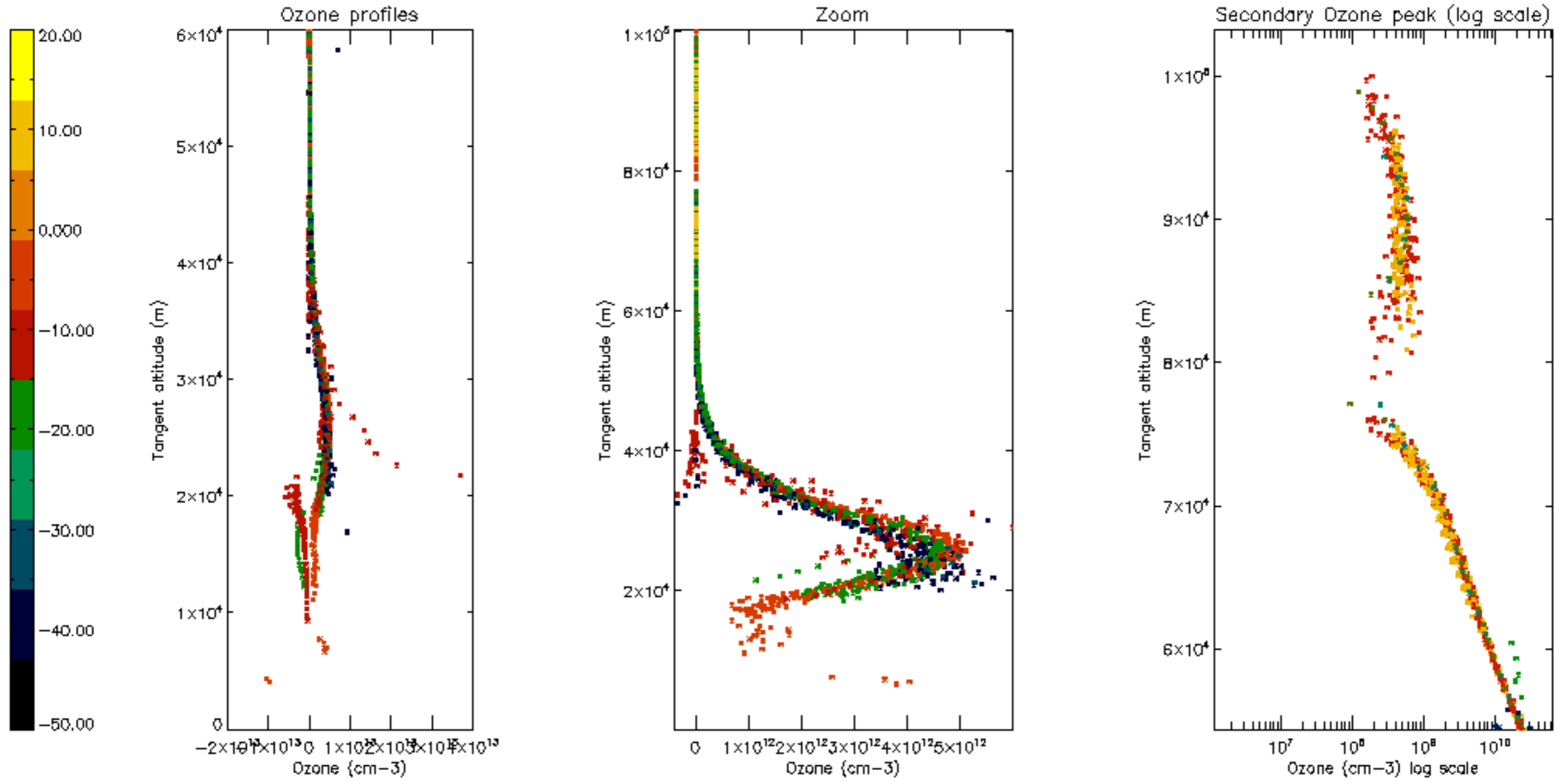


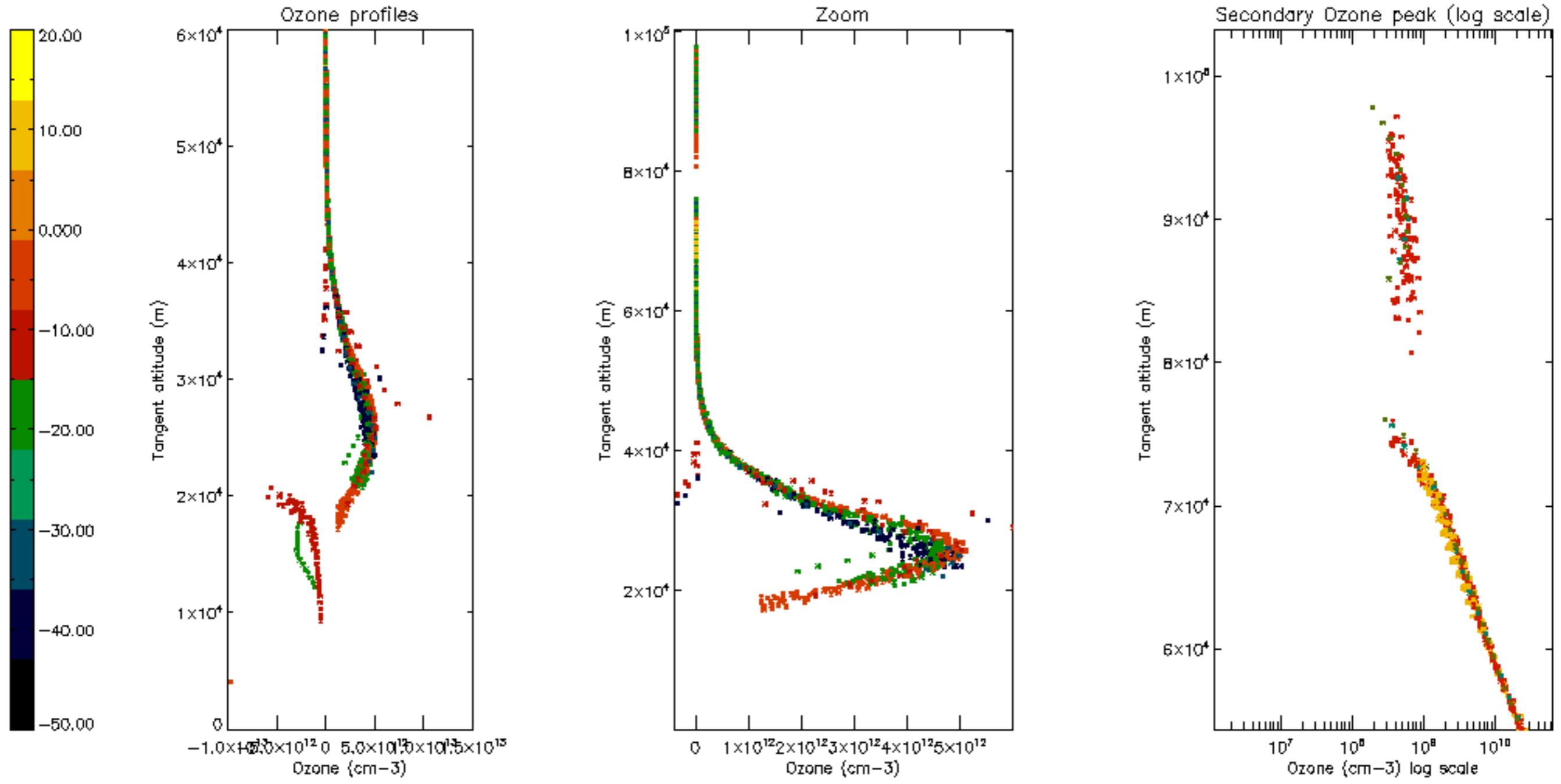
Percentage of saturation errors per profile

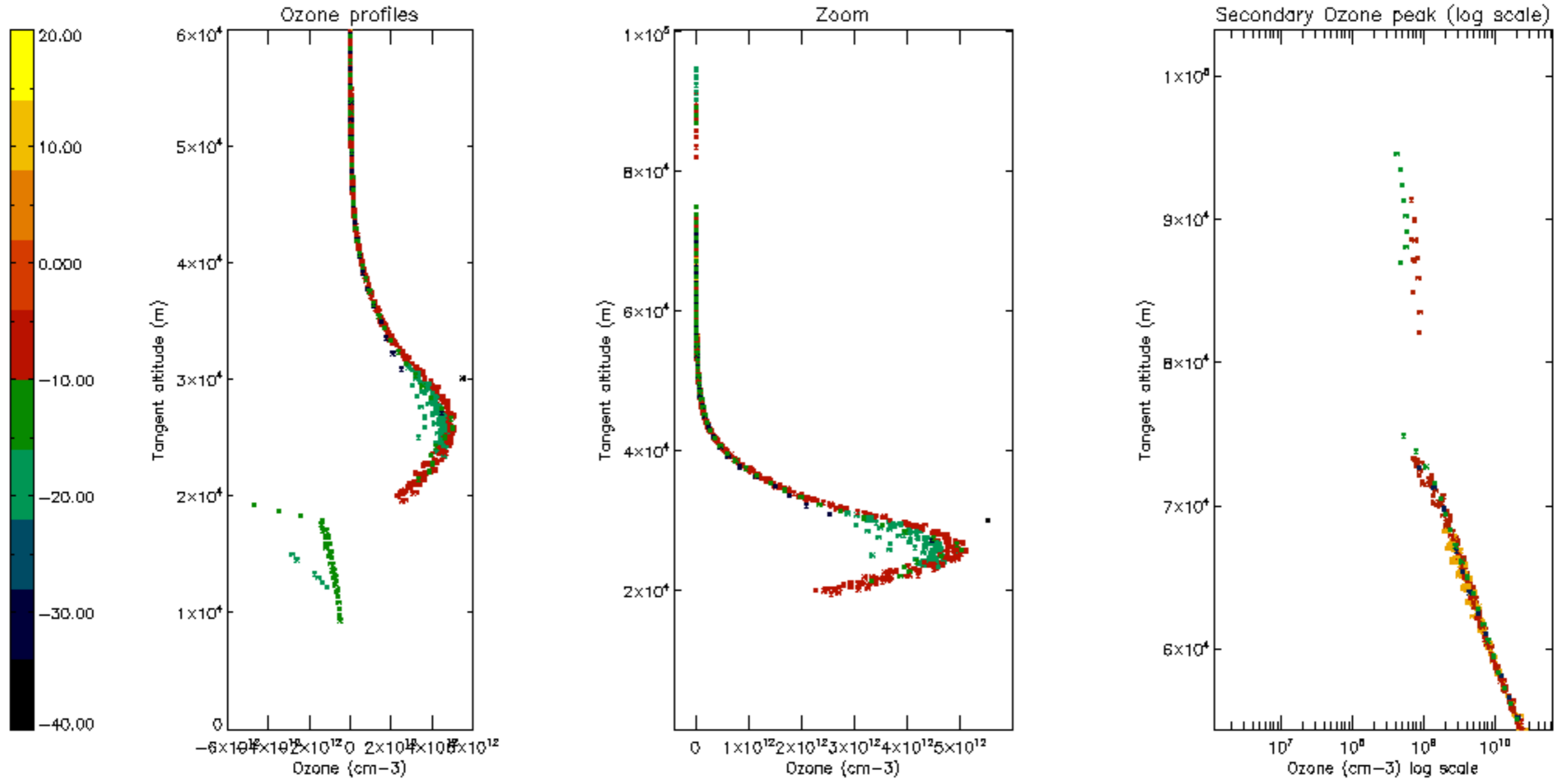




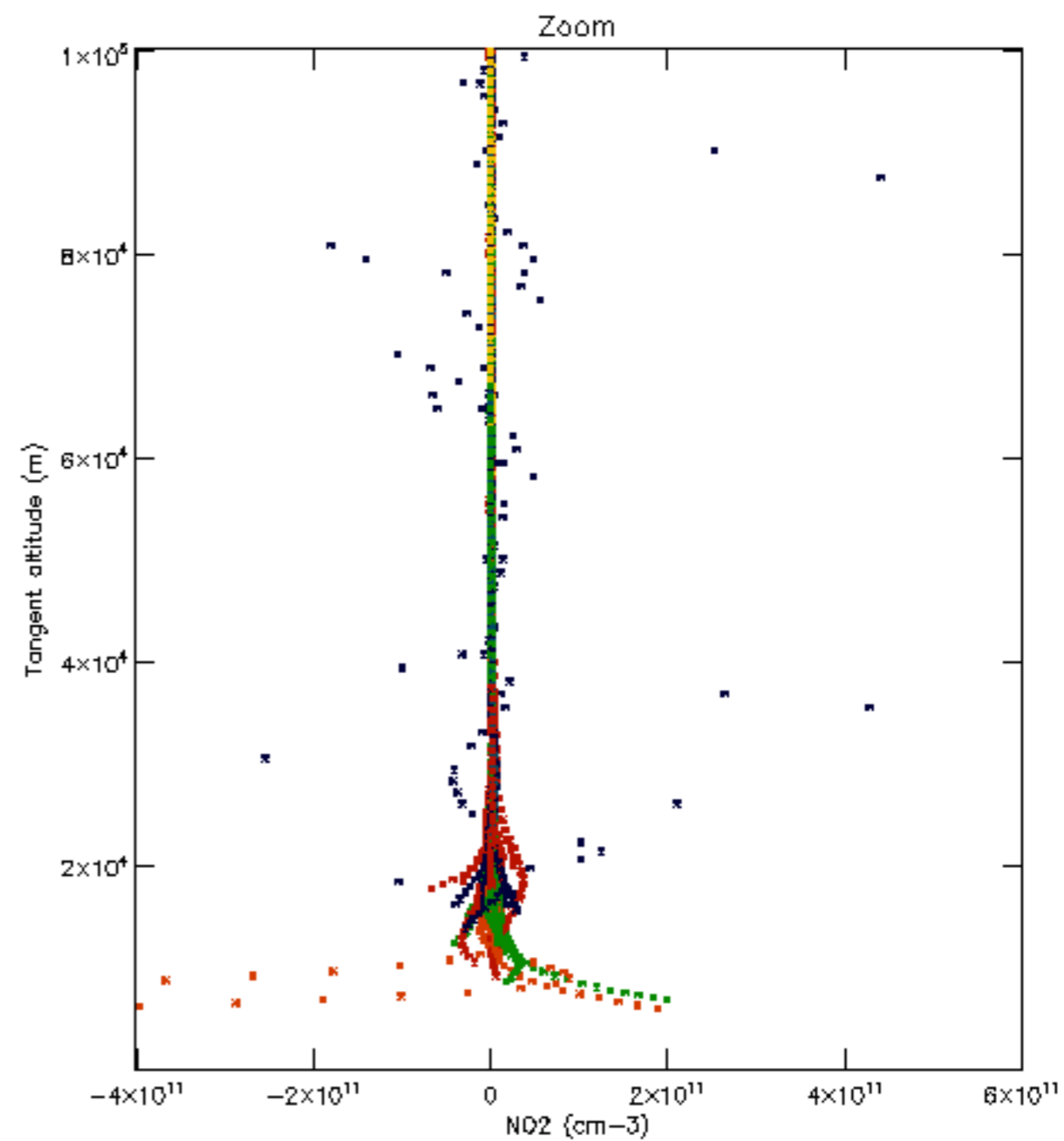
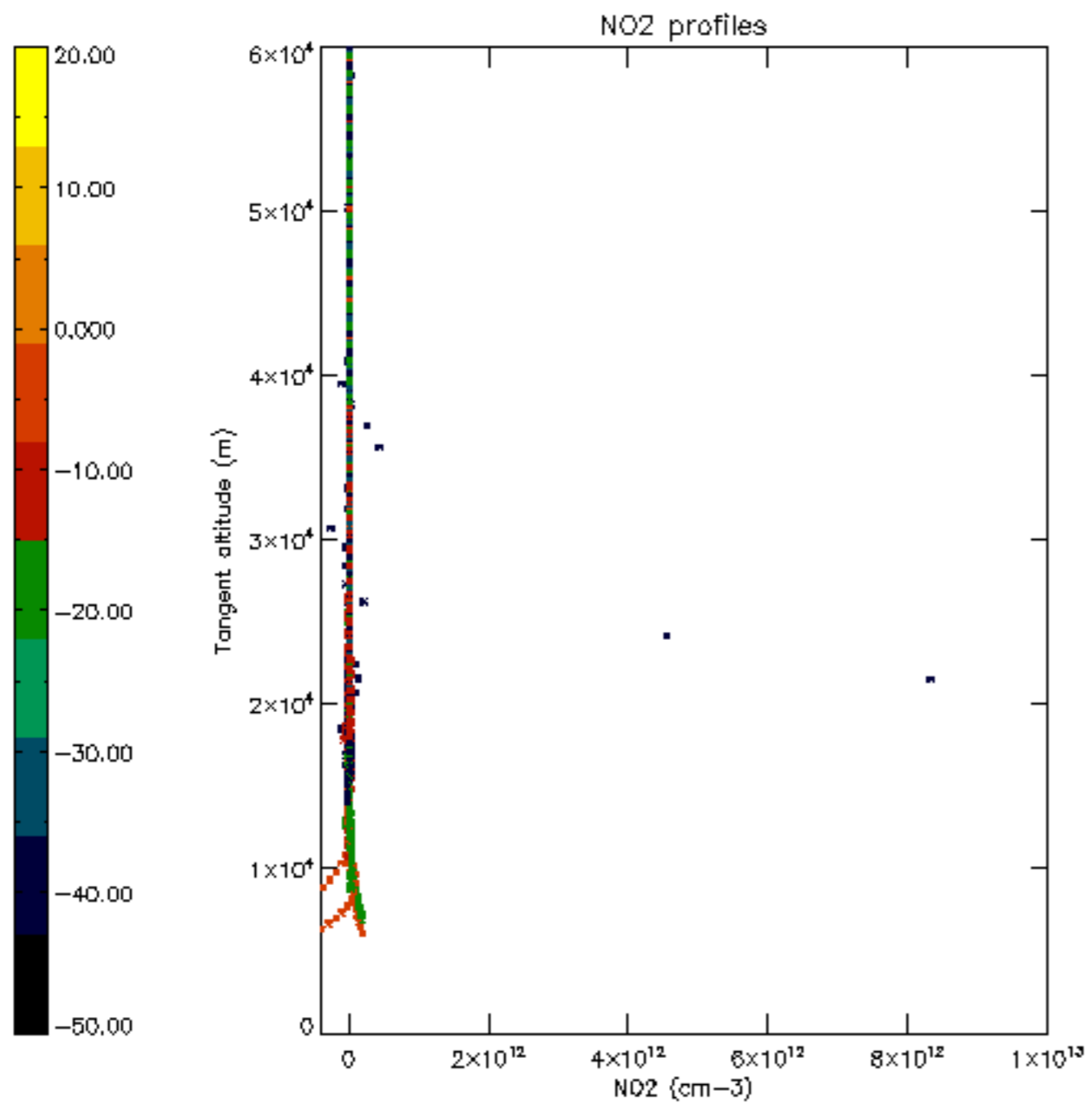


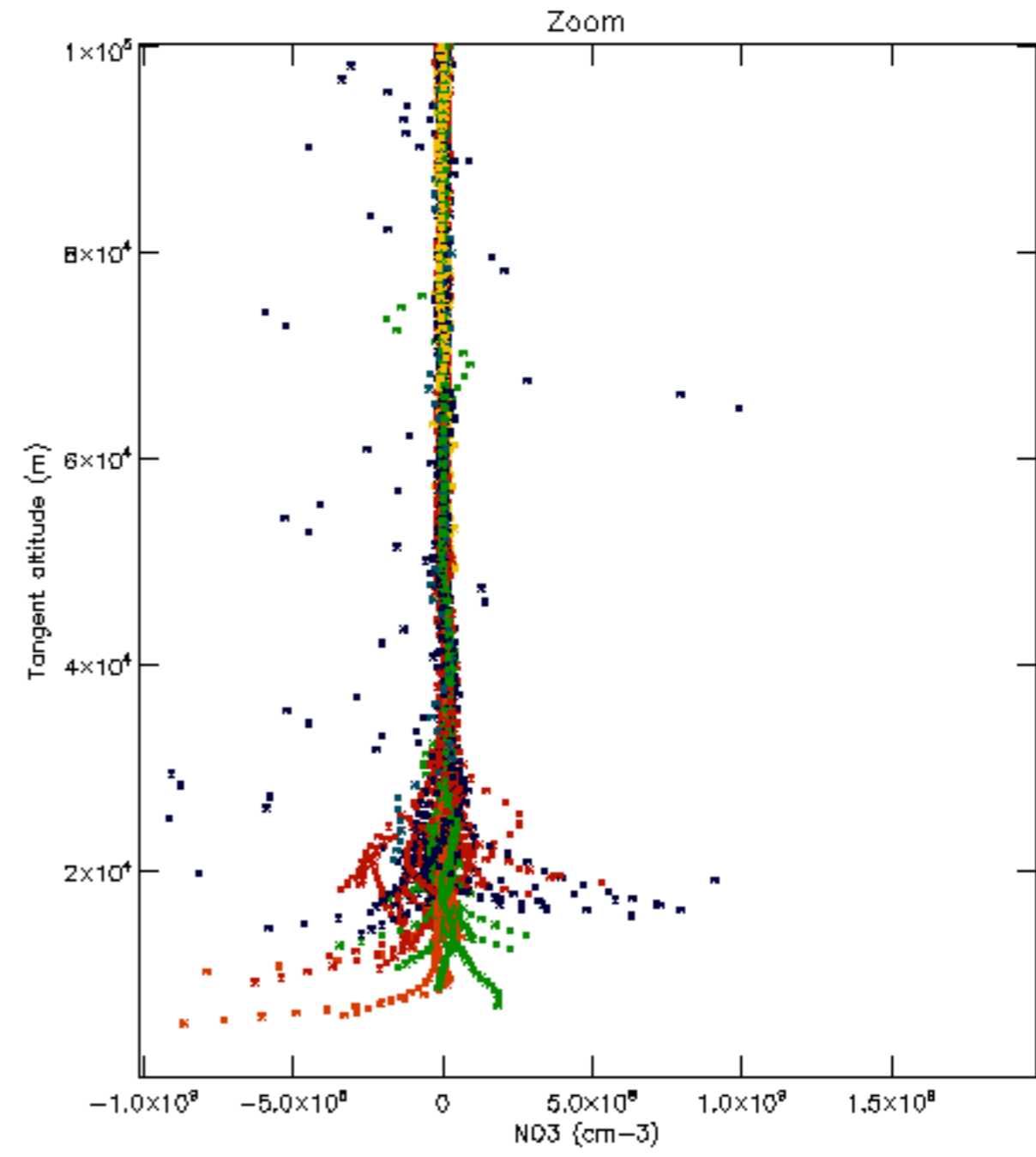
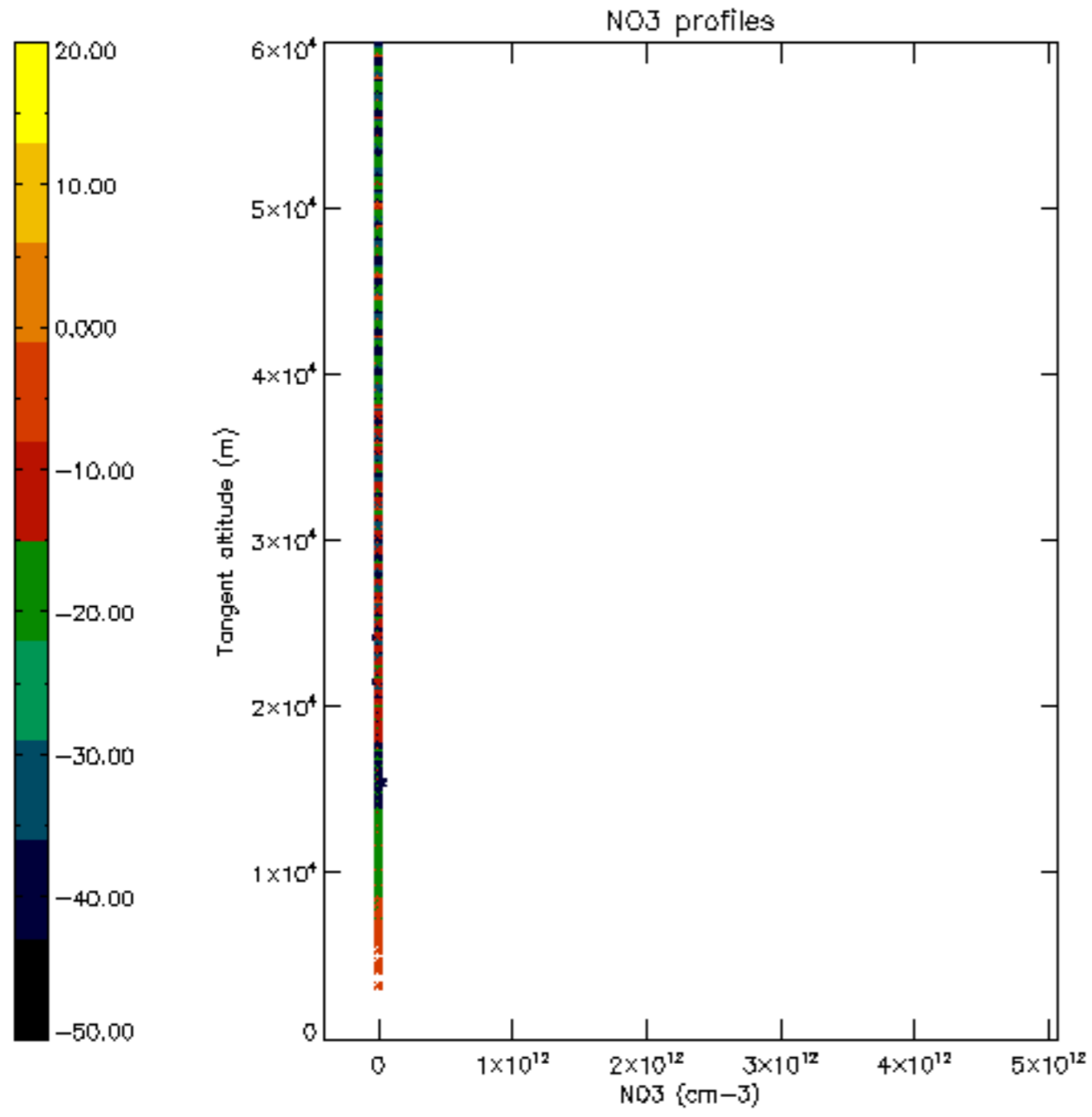


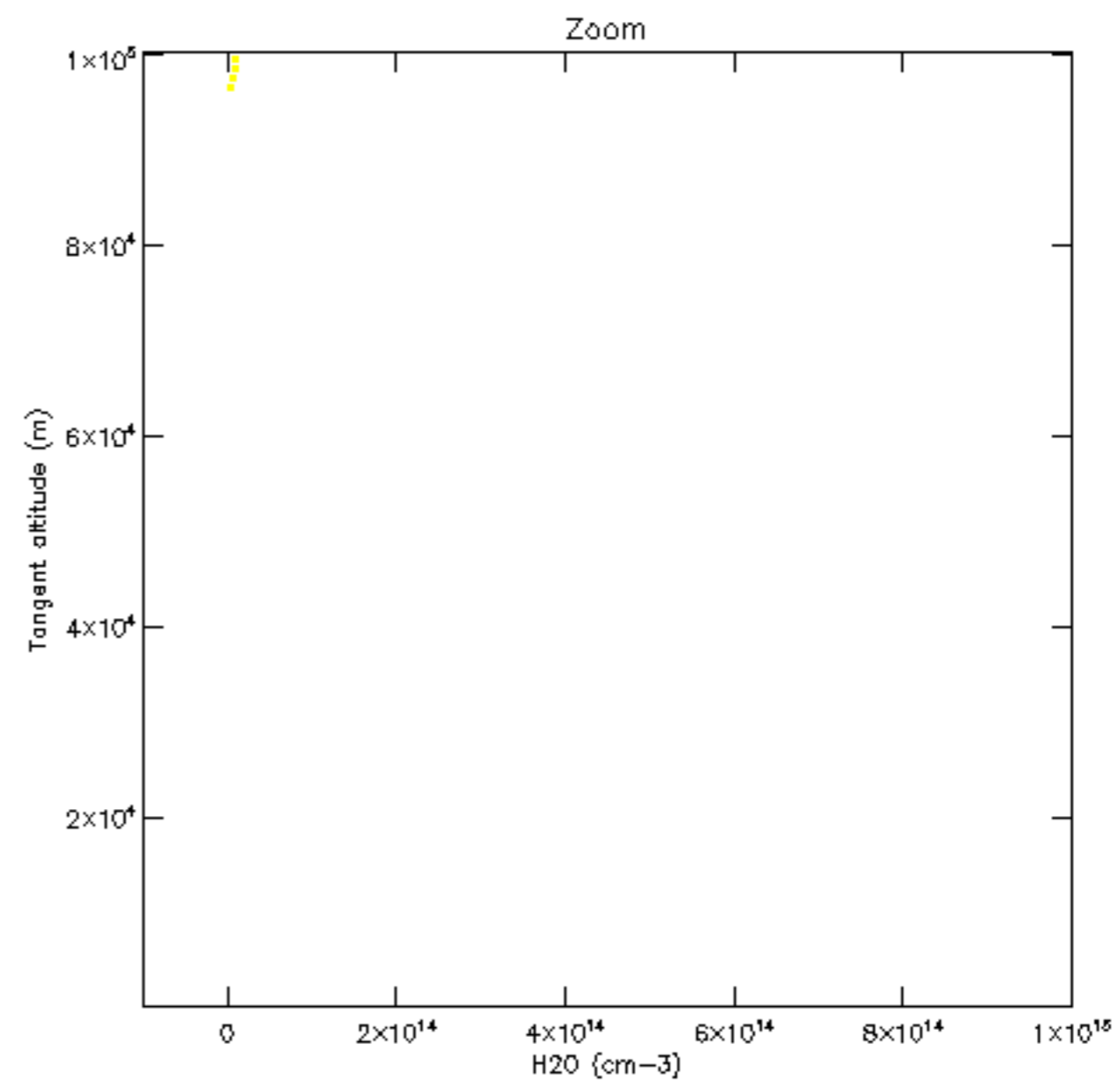
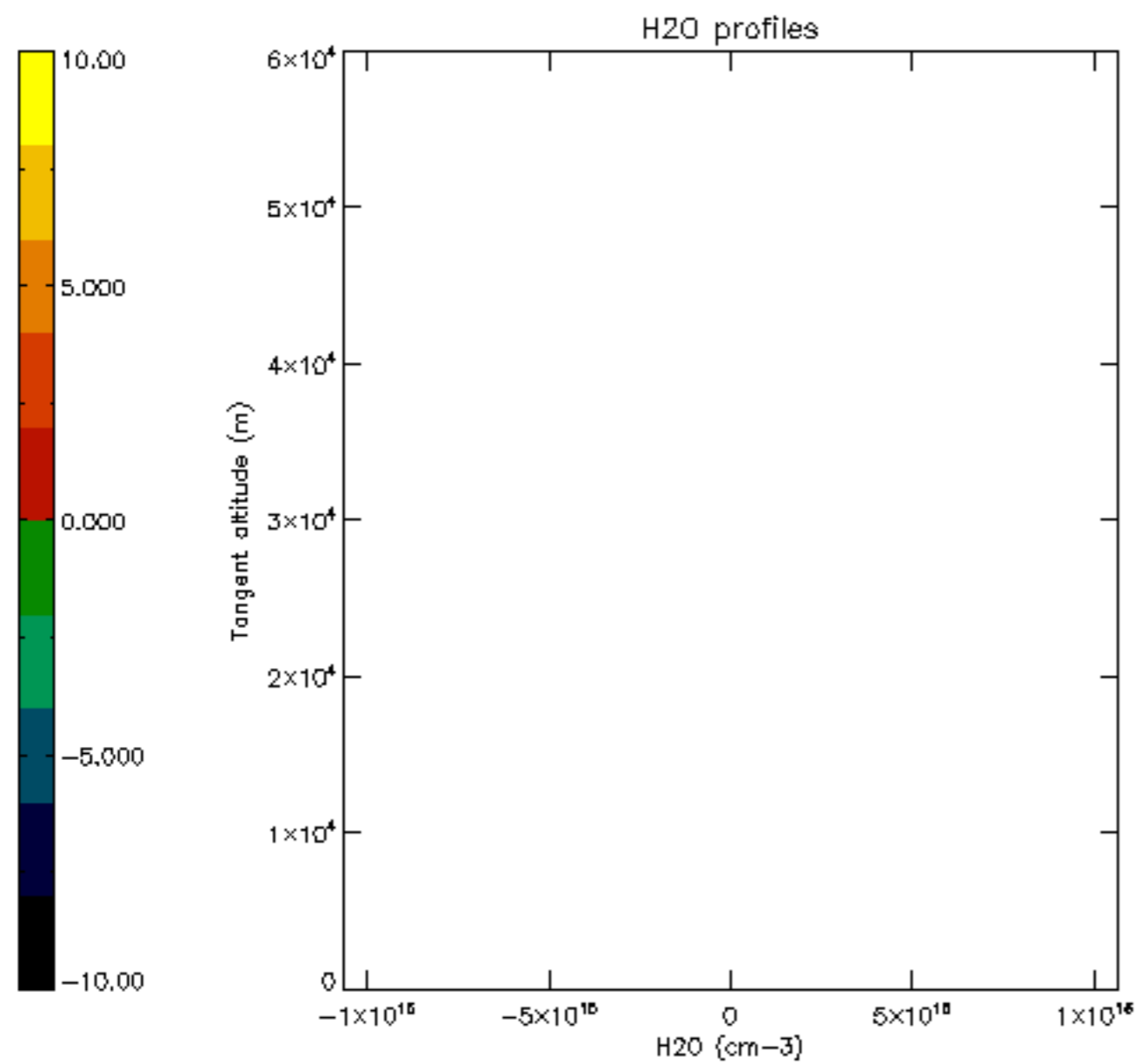


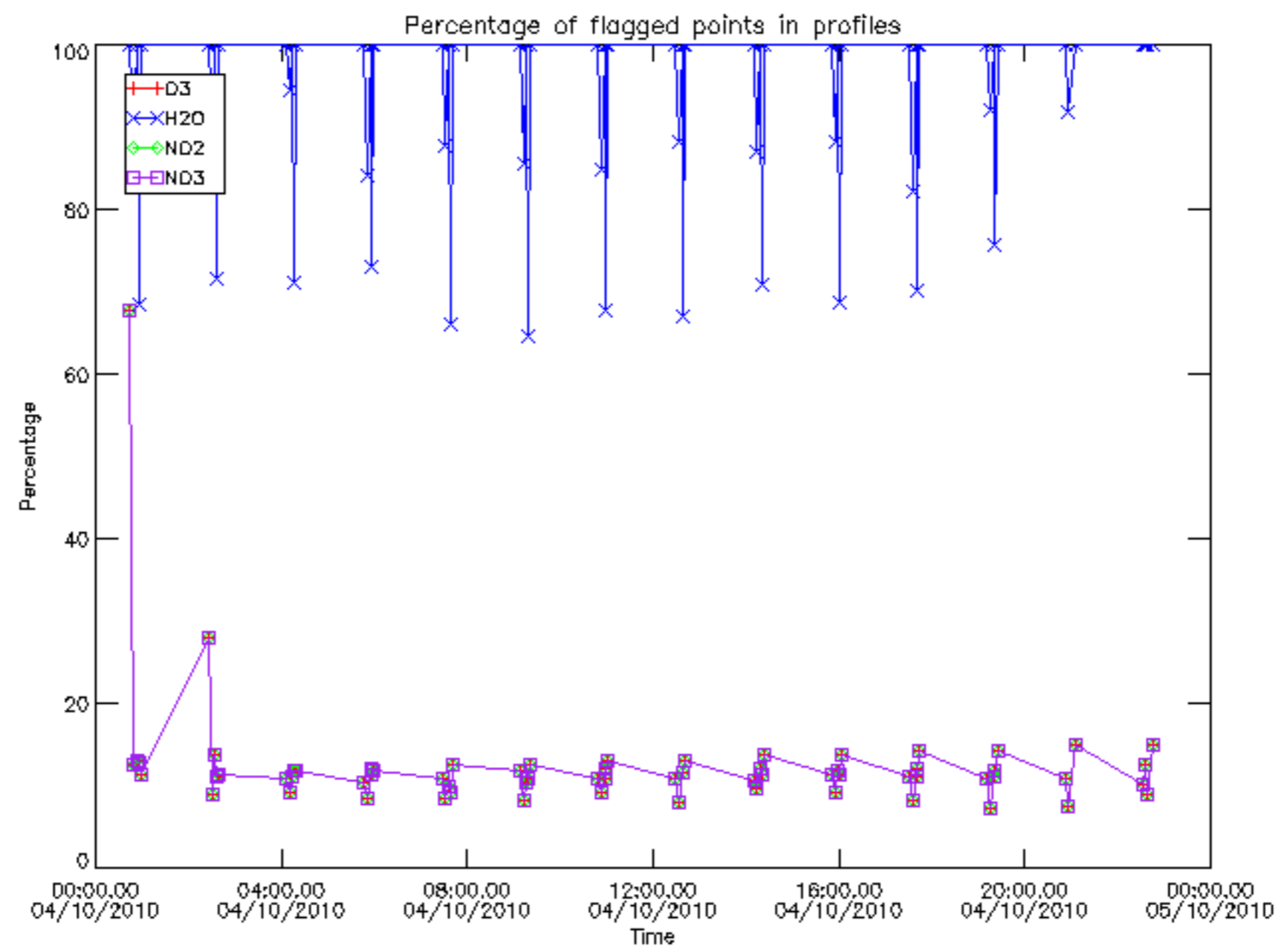






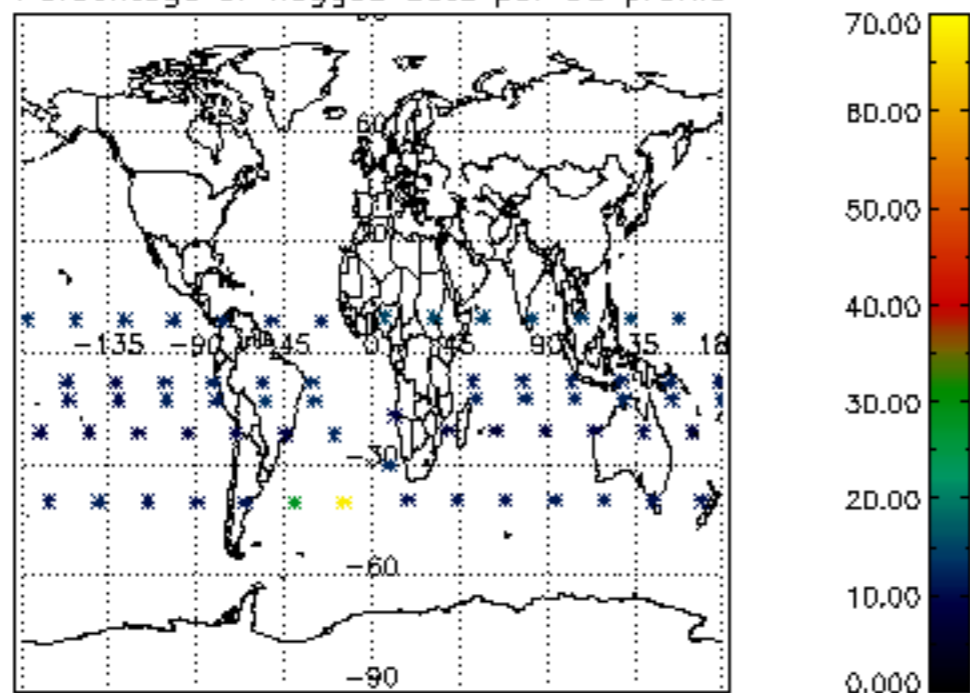




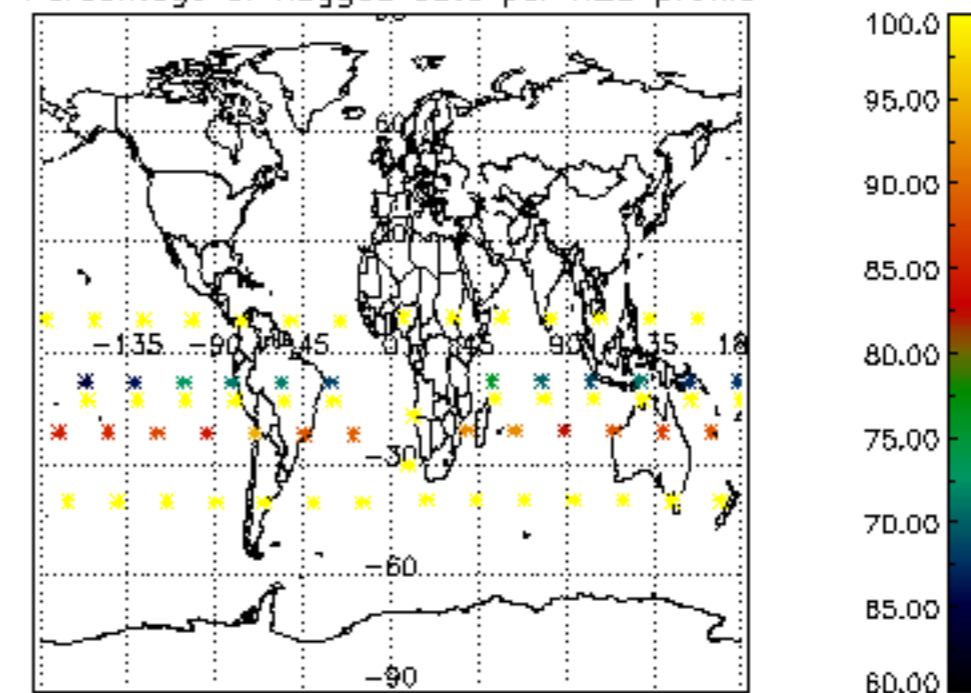




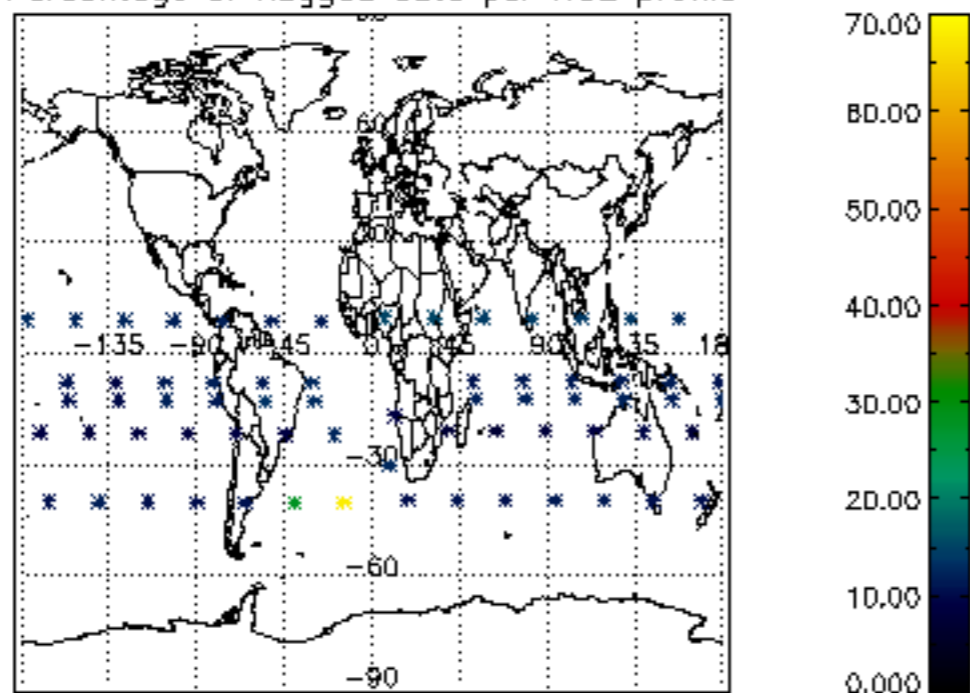
Percentage of flagged data per D3 profile



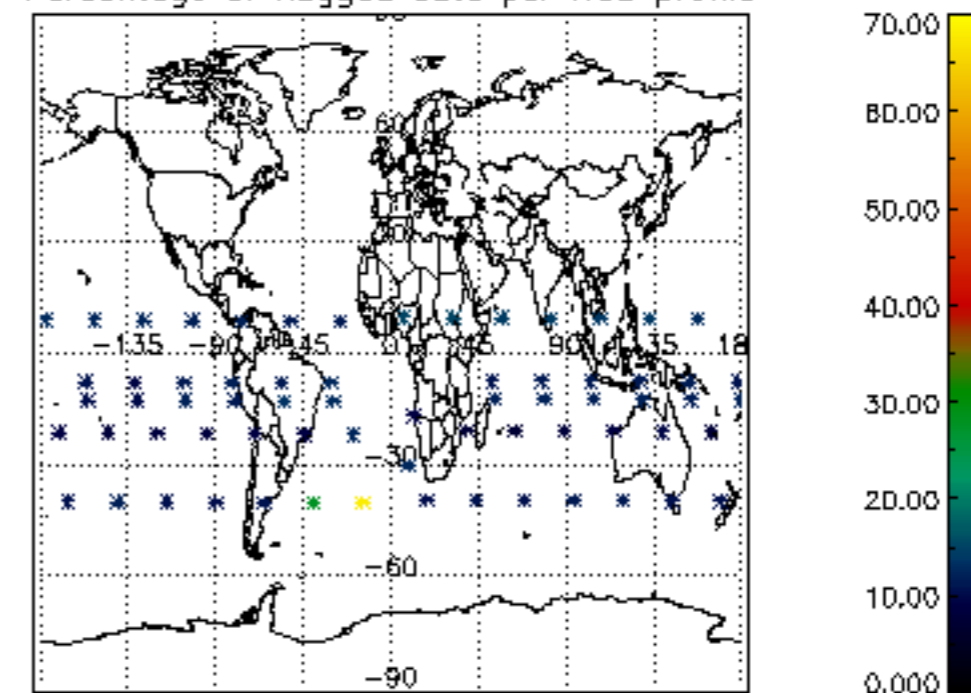
Percentage of flagged data per H2O profile

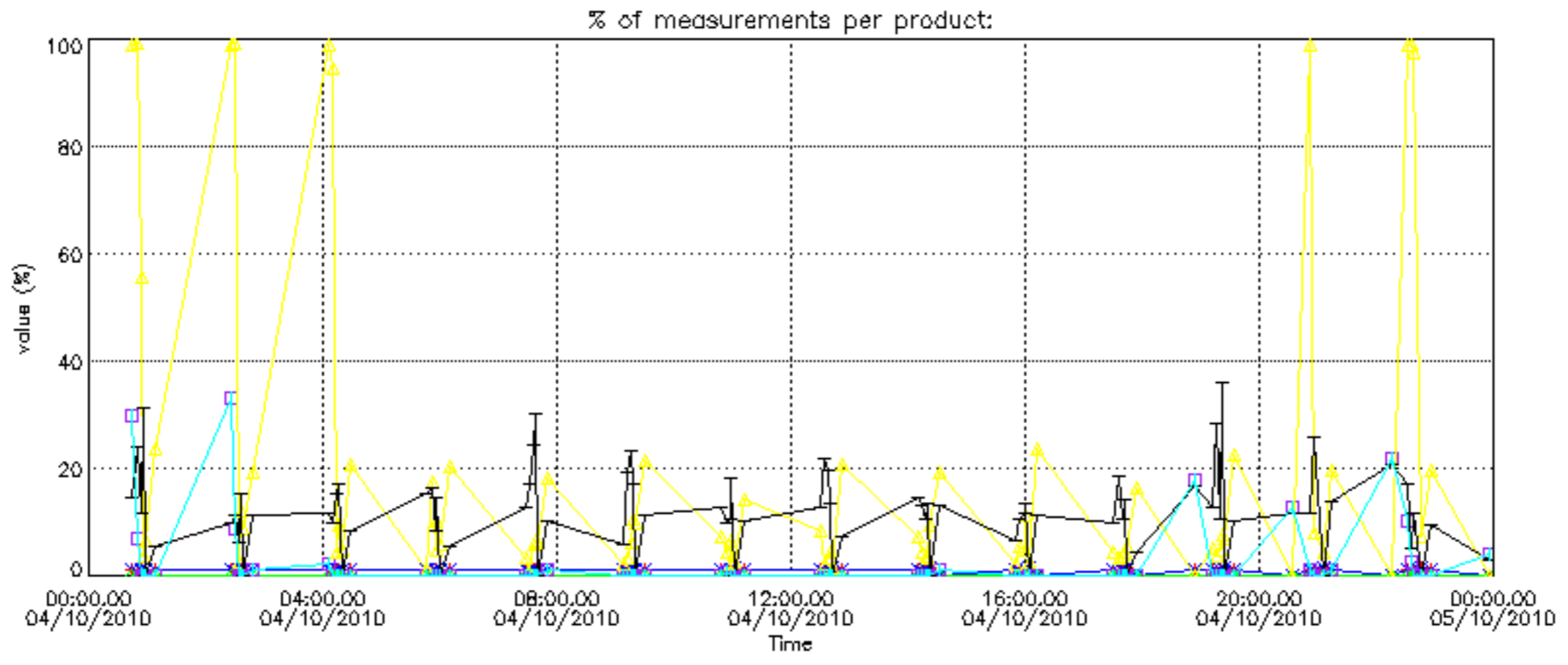


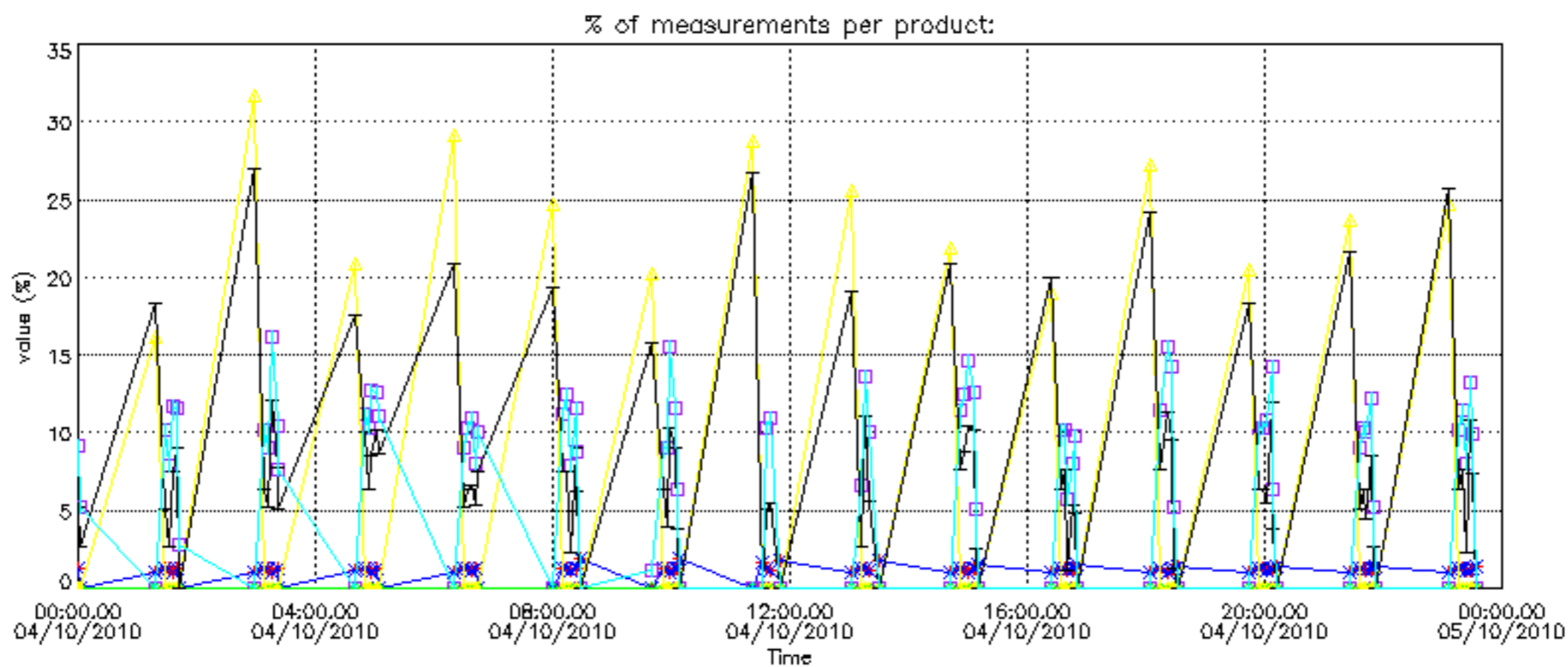
Percentage of flagged data per NO2 profile



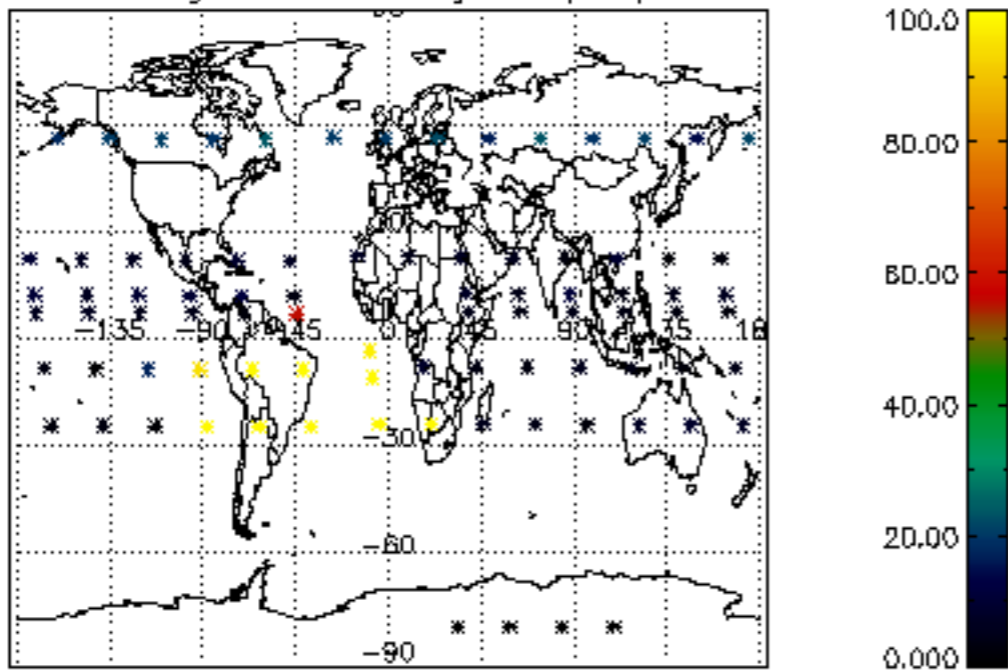
Percentage of flagged data per NO3 profile



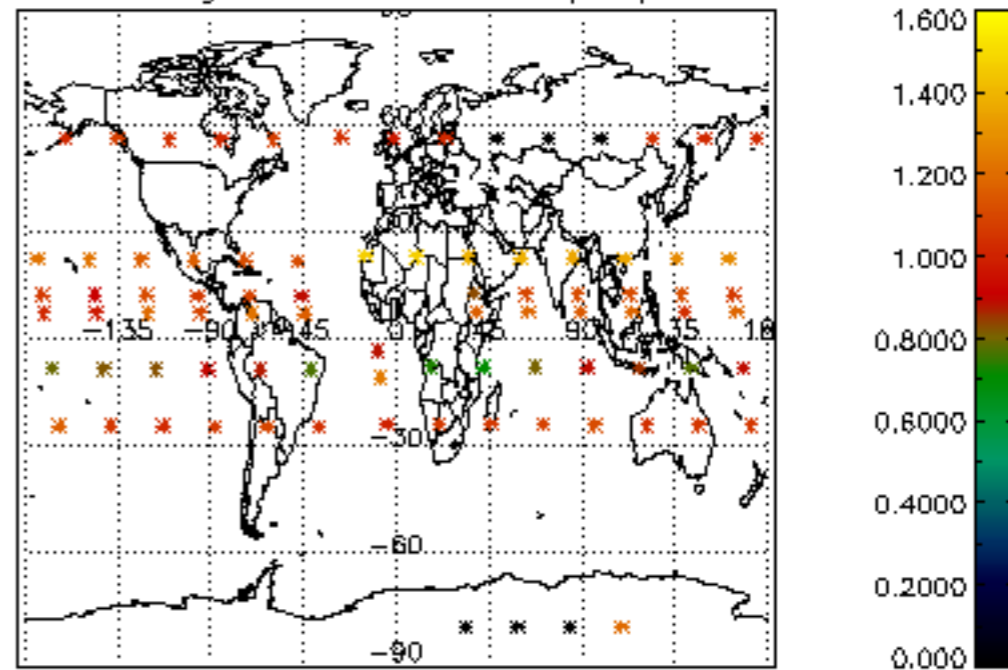




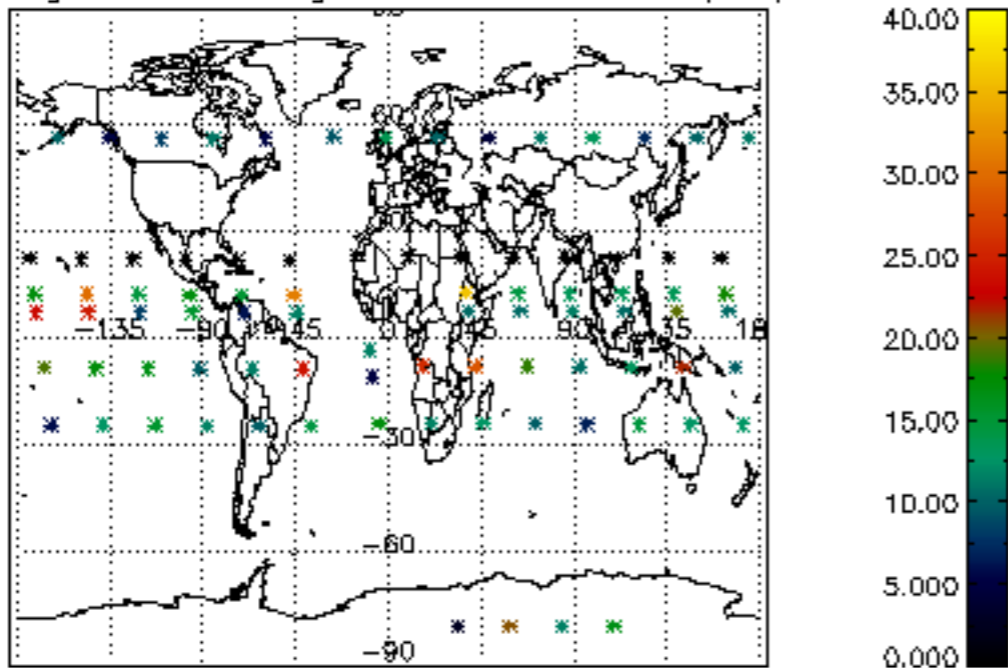
Percentage of cosmic ray hits per profile



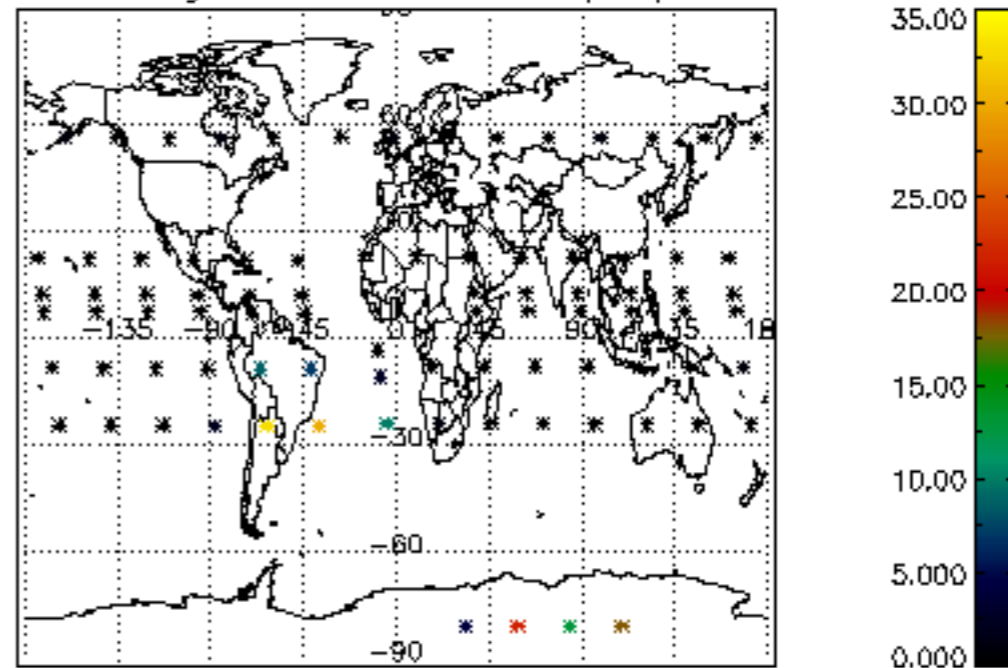
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

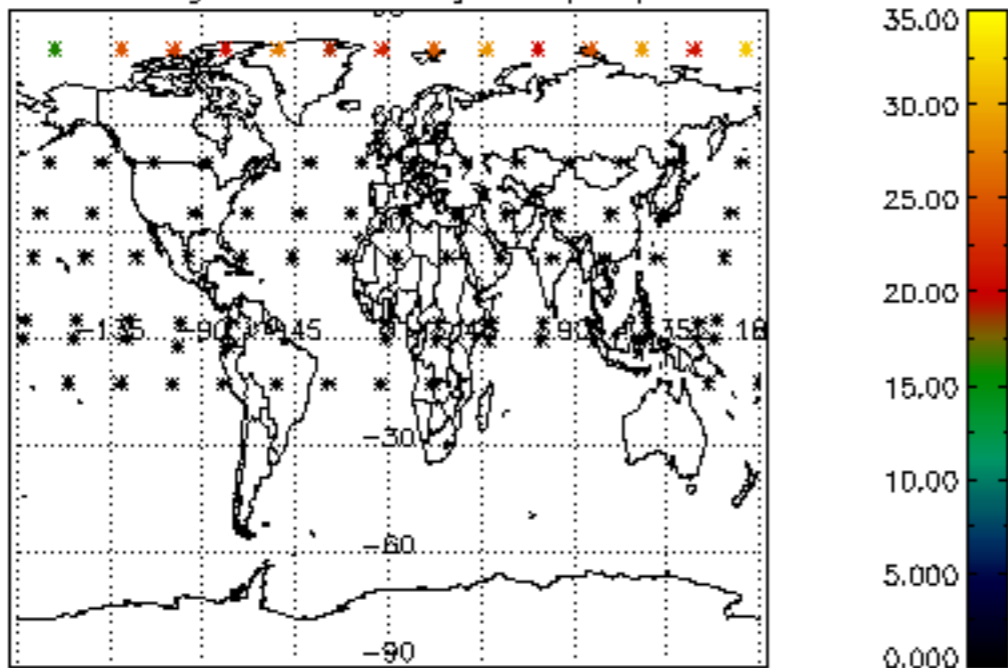


Percentage of saturation errors per profile

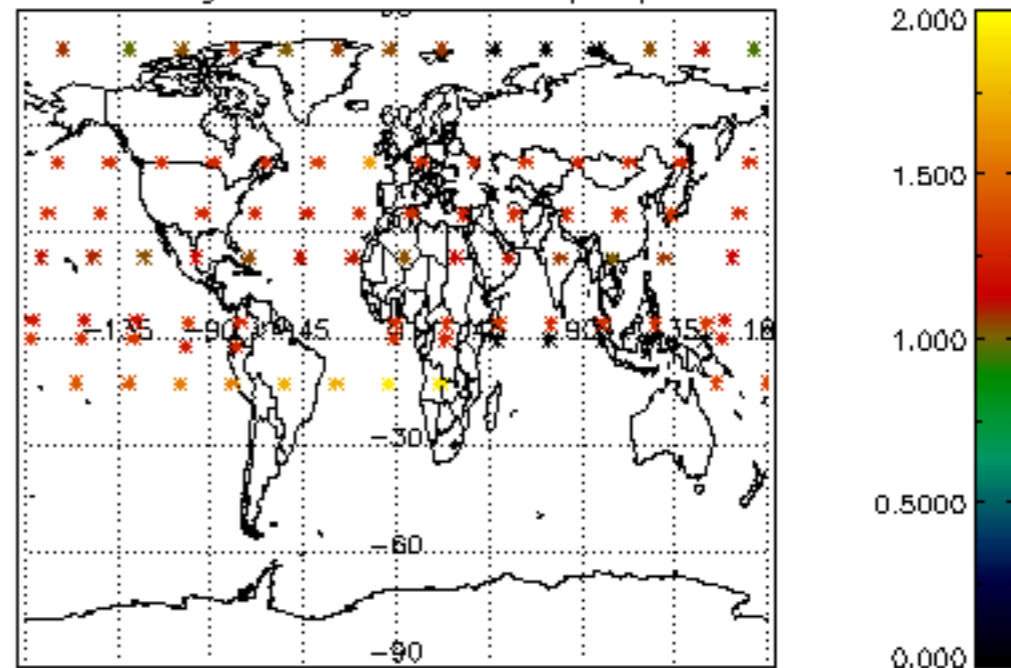




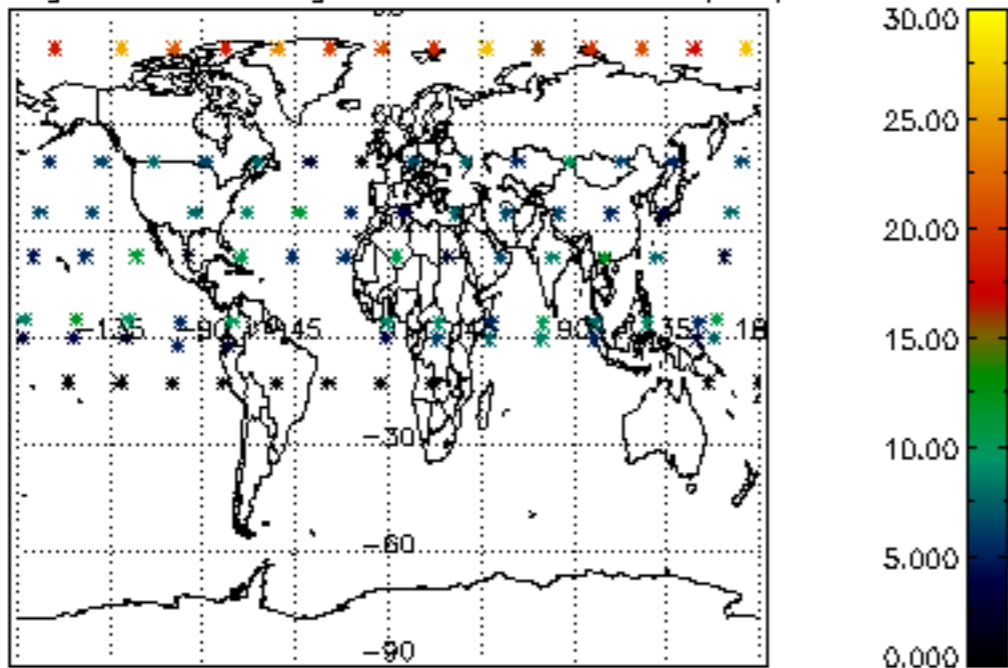
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

