

# GOMOS Level 2 Daily Report

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

Item	Value
Time of report generation	26APR2013 13:05:46
Data source version	GOMOS/6.01
Start time of products	05-10-2009 (05OCT2009 00:00:00)
Stop time of products	06-10-2009 (06OCT2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	116
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__2PRFIN20091005_000725_000000402083_00088_39721_0983.N1	05-OCT-2009 00:07:25	Straylight	39.500	157	The1Eri	2.9060	9300.0	79	39721	No
2	GOM_NL__2PRFIN20091005_002745_000000342083_00088_39721_0984.N1	05-OCT-2009 00:27:45	Bright	34.000	140	88Gam Peg	2.8340	26000.	68	39721	No
3	GOM_NL__2PRFIN20091005_003150_000000352083_00088_39721_0985.N1	05-OCT-2009 00:31:50	Bright	34.500	58	21Alp And	2.0730	11000.	69	39721	No
4	GOM_NL__2PRFIN20091005_003514_000000402083_00088_39721_0986.N1	05-OCT-2009 00:35:14	Bright	39.500	53	43Bet And	2.0480	3300.0	79	39721	No
5	GOM_NL__2PRFIN20091005_004015_000000342083_00088_39721_0987.N1	05-OCT-2009 00:40:15	Bright	34.000	68	18Alp Cas	2.2250	4500.0	68	39721	No
6	GOM_NL__2PRFIN20091005_004141_000000342083_00088_39721_0988.N1	05-OCT-2009 00:41:41	Bright	34.000	76	27Gam Cas	2.3000	30000.	68	39721	No
7	GOM_NL__2PRFIN20091005_004506_000000432083_00088_39721_0989.N1	05-OCT-2009 00:45:06	Bright	43.000	160	23Gam Per	2.9300	4700.0	86	39721	No
8	GOM_NL__2PRFIN20091005_012919_000000432083_00088_39721_0990.N1	05-OCT-2009 01:29:19	Dark	43.000	88	31Eta CMa	2.4480	20000.	86	39721	No
9	GOM_NL__2PRFIN20091005_013115_000000482083_00088_39721_0991.N1	05-OCT-2009 01:31:15	Dark	47.500	23	21Eps CMa	1.5020	26000.	95	39721	No
10	GOM_NL__2PRFIN20091005_013840_000000282083_00089_39722_0991.N1	05-OCT-2009 01:38:40	Dark	28.000	108	Alp Col	2.6520	15200.	56	39722	No
11	GOM_NL__2PRFIN20091005_014802_000000402083_00089_39722_0992.N1	05-OCT-2009 01:48:02	Straylight	39.500	157	The1Eri	2.9060	9300.0	79	39722	No
12	GOM_NL__2PRFIN20091005_020821_000000342083_00089_39722_0993.N1	05-OCT-2009 02:08:21	Bright	34.000	140	88Gam Peg	2.8340	26000.	68	39722	No
13	GOM_NL__2PRFIN20091005_021226_000000342083_00089_39722_0994.N1	05-OCT-2009 02:12:26	Bright	34.000	58	21Alp And	2.0730	11000.	68	39722	No
14	GOM_NL__2PRFIN20091005_021549_000000402083_00089_39722_0995.N1	05-OCT-2009 02:15:49	Bright	40.000	53	43Bet And	2.0480	3300.0	80	39722	No
15	GOM_NL__2PRFIN20091005_022051_000000342083_00089_39722_0996.N1	05-OCT-2009 02:20:51	Bright	34.000	68	18Alp Cas	2.2250	4500.0	68	39722	No
16	GOM_NL__2PRFIN20091005_022216_000000342083_00089_39722_0997.N1	05-OCT-2009 02:22:16	Bright	34.000	76	27Gam Cas	2.3000	30000.	68	39722	No
17	GOM_NL__2PRFIN20091005_022540_000000442083_00089_39722_0998.N1	05-OCT-2009 02:25:40	Bright	43.500	160	23Gam Per	2.9300	4700.0	87	39722	No
18	GOM_NL__2PRFIN20091005_030604_000000382083_00089_39722_0999.N1	05-OCT-2009 03:06:04	Dark	37.500	132	15Rho Pup	2.8030	6900.0	75	39722	No
19	GOM_NL__2PRFIN20091005_030956_000000432083_00089_39722_1000.N1	05-OCT-2009 03:09:56	Dark	43.000	88	31Eta CMa	2.4480	20000.	86	39722	No
20	GOM_NL__2PRFIN20091005_031152_000000482083_00089_39722_1001.N1	05-OCT-2009 03:11:52	Dark	47.500	23	21Eps CMa	1.5020	26000.	95	39722	No
21	GOM_NL__2PRFIN20091005_031917_000000282083_00090_39723_1000.N1	05-OCT-2009 03:19:17	Dark	28.000	108	Alp Col	2.6520	15200.	56	39723	No
22	GOM_NL__2PRFIN20091005_032839_000000392083_00090_39723_1001.N1	05-OCT-2009 03:28:39	Straylight	39.000	157	The1Eri	2.9060	9300.0	78	39723	No
23	GOM_NL__2PRFIN20091005_034857_000000342083_00090_39723_1002.N1	05-OCT-2009 03:48:57	Bright	33.500	140	88Gam Peg	2.8340	26000.	67	39723	No
24	GOM_NL__2PRFIN20091005_035303_000000332083_00090_39723_1003.N1	05-OCT-2009 03:53:03	Bright	32.500	58	21Alp And	2.0730	11000.	65	39723	No
25	GOM_NL__2PRFIN20091005_035624_000000402083_00090_39723_1004.N1	05-OCT-2009 03:56:24	Bright	40.000	53	43Bet And	2.0480	3300.0	80	39723	No
26	GOM_NL__2PRFIN20091005_040127_000000342083_00090_39723_1005.N1	05-OCT-2009 04:01:27	Bright	34.000	68	18Alp Cas	2.2250	4500.0	68	39723	No
27	GOM_NL__2PRFIN20091005_040252_000000342083_00090_39723_1006.N1	05-OCT-2009 04:02:52	Bright	34.000	76	27Gam Cas	2.3000	30000.	68	39723	No
28	GOM_NL__2PRFIN20091005_040615_000000442083_00090_39723_1007.N1	05-OCT-2009 04:06:15	Bright	43.500	160	23Gam Per	2.9300	4700.0	87	39723	No
29	GOM_NL__2PRFIN20091005_044641_000000382083_00090_39723_1008.N1	05-OCT-2009 04:46:41	Dark	37.500	132	15Rho Pup	2.8030	6900.0	75	39723	No
30	GOM_NL__2PRFIN20091005_045033_000000432083_00090_39723_1009.N1	05-OCT-2009 04:50:33	Dark	43.000	88	31Eta CMa	2.4480	20000.	86	39723	No
31	GOM_NL__2PRFIN20091005_045230_000000482083_00090_39723_1010.N1	05-OCT-2009 04:52:30	Dark	48.000	23	21Eps CMa	1.5020	26000.	96	39723	No
32	GOM_NL__2PRFIN20091005_045955_000000262083_00091_39724_1009.N1	05-OCT-2009 04:59:55	Dark	26.000	108	Alp Col	2.6520	15200.	52	39724	No
33	GOM_NL__2PRFIN20091005_050915_000000402083_00091_39724_1010.N1	05-OCT-2009 05:09:15	Straylight	39.500	157	The1Eri	2.9060	9300.0	79	39724	No
34	GOM_NL__2PRFIN20091005_052933_000000342083_00091_39724_1011.N1	05-OCT-2009 05:29:33	Bright	33.500	140	88Gam Peg	2.8340	26000.	67	39724	No
35	GOM_NL__2PRFIN20091005_053659_000000402083_00091_39724_1012.N1	05-OCT-2009 05:36:59	Bright	40.000	53	43Bet And	2.0480	3300.0	80	39724	No
36	GOM_NL__2PRFIN20091005_054202_000000342083_00091_39724_1013.N1	05-OCT-2009 05:42:02	Bright	34.000	68	18Alp Cas	2.2250	4500.0	68	39724	No
37	GOM_NL__2PRFIN20091005_054327_000000342083_00091_39724_1014.N1	05-OCT-2009 05:43:27	Bright	34.000	76	27Gam Cas	2.3000	30000.	68	39724	No
38	GOM_NL__2PRFIN20091005_054650_000000432083_00091_39724_1015.N1	05-OCT-2009 05:46:50	Bright	43.000	160	23Gam Per	2.9300	4700.0	86	39724	No
39	GOM_NL__2PRFIN20091005_062718_000000382083_00091_39724_1016.N1	05-OCT-2009 06:27:18	Dark	37.500	132	15Rho Pup	2.8030	6900.0	75	39724	No
40	GOM_NL__2PRFIN20091005_063110_000000432083_00091_39724_1017.N1	05-OCT-2009 06:31:10	Dark	43.000	88	31Eta CMa	2.4480	20000.	86	39724	No
41	GOM_NL__2PRFIN20091005_063307_000000482083_00091_39724_1018.N1	05-OCT-2009 06:33:07	Dark	48.000	23	21Eps CMa	1.5020	26000.	96	39724	No
42	GOM_NL__2PRFIN20091005_064032_000000262083_00092_39725_1018.N1	05-OCT-2009 06:40:32	Dark	26.000	108	Alp Col	2.6520	15200.	52	39725	No

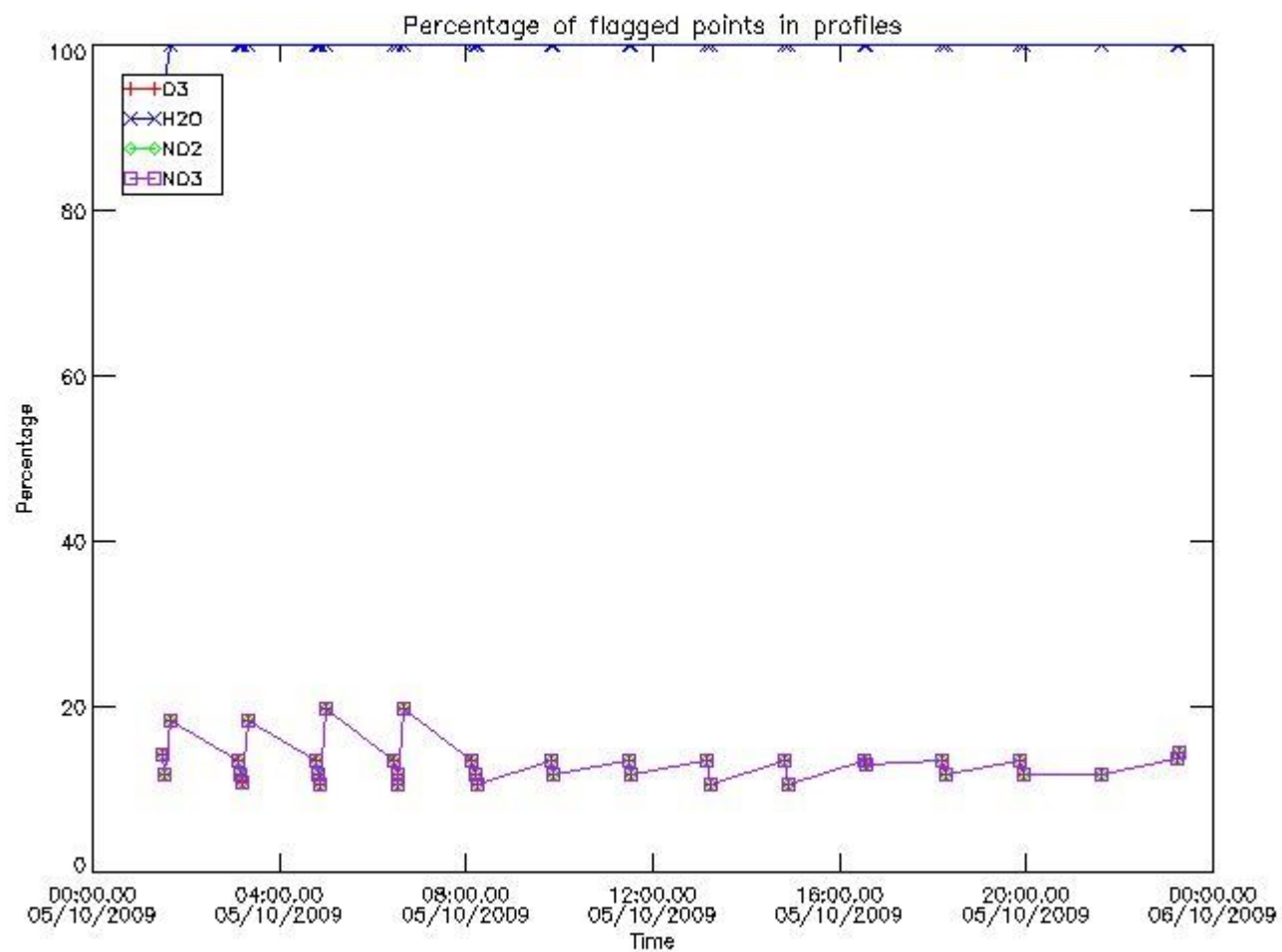
43	GOM_NL__2PRFIN20091005_064952_000000392083_00092_39725_1019.N1	05-OCT-2009 06:49:52	Straylight	38.500	157	The1Eri	2.9060	9300.0	77	39725	No
44	GOM_NL__2PRFIN20091005_071008_000000342083_00092_39725_1020.N1	05-OCT-2009 07:10:08	Bright	34.000	140	88Gam Peg	2.8340	26000.	68	39725	No
45	GOM_NL__2PRFIN20091005_071735_000000402083_00092_39725_1021.N1	05-OCT-2009 07:17:35	Bright	39.500	53	43Bet And	2.0480	3300.0	79	39725	No
46	GOM_NL__2PRFIN20091005_072238_000000342083_00092_39725_1022.N1	05-OCT-2009 07:22:38	Bright	34.000	68	18Alp Cas	2.2250	4500.0	68	39725	No
47	GOM_NL__2PRFIN20091005_072403_000000342083_00092_39725_1023.N1	05-OCT-2009 07:24:03	Bright	34.000	76	27Gam Cas	2.3000	30000.	68	39725	No
48	GOM_NL__2PRFIN20091005_072726_000000442083_00092_39725_1024.N1	05-OCT-2009 07:27:26	Bright	43.500	160	23Gam Per	2.9300	4700.0	87	39725	No
49	GOM_NL__2PRFIN20091005_080755_000000382083_00092_39725_1025.N1	05-OCT-2009 08:07:55	Dark	37.500	132	15Rho Pup	2.8030	6900.0	75	39725	No
50	GOM_NL__2PRFIN20091005_081147_000000432083_00092_39725_1026.N1	05-OCT-2009 08:11:47	Dark	43.000	88	31Eta CMa	2.4480	20000.	86	39725	No
51	GOM_NL__2PRFIN20091005_081345_000000482083_00092_39725_1027.N1	05-OCT-2009 08:13:45	Dark	48.000	23	21Eps CMa	1.5020	26000.	96	39725	No
52	GOM_NL__2PRFIN20091005_083028_000000392083_00093_39726_1029.N1	05-OCT-2009 08:30:28	Straylight	38.500	157	The1Eri	2.9060	9300.0	77	39726	No
53	GOM_NL__2PRFIN20091005_085044_000000342083_00093_39726_1030.N1	05-OCT-2009 08:50:44	Bright	34.000	140	88Gam Peg	2.8340	26000.	68	39726	No
54	GOM_NL__2PRFIN20091005_085810_000000402083_00093_39726_1031.N1	05-OCT-2009 08:58:10	Bright	39.500	53	43Bet And	2.0480	3300.0	79	39726	No
55	GOM_NL__2PRFIN20091005_090313_000000342083_00093_39726_1032.N1	05-OCT-2009 09:03:13	Bright	34.000	68	18Alp Cas	2.2250	4500.0	68	39726	No
56	GOM_NL__2PRFIN20091005_090439_000000342083_00093_39726_1033.N1	05-OCT-2009 09:04:39	Bright	34.000	76	27Gam Cas	2.3000	30000.	68	39726	No
57	GOM_NL__2PRFIN20091005_090800_000000442083_00093_39726_1034.N1	05-OCT-2009 09:08:00	Bright	43.500	160	23Gam Per	2.9300	4700.0	87	39726	No
58	GOM_NL__2PRFIN20091005_094832_000000382083_00093_39726_1035.N1	05-OCT-2009 09:48:32	Dark	37.500	132	15Rho Pup	2.8030	6900.0	75	39726	No
59	GOM_NL__2PRFIN20091005_095225_000000432083_00093_39726_1036.N1	05-OCT-2009 09:52:25	Dark	43.000	88	31Eta CMa	2.4480	20000.	86	39726	No
60	GOM_NL__2PRFIN20091005_101104_000000392083_00094_39727_1084.N1	05-OCT-2009 10:11:04	Straylight	39.000	157	The1Eri	2.9060	9300.0	78	39727	No
61	GOM_NL__2PRFIN20091005_103122_000000312083_00094_39727_1085.N1	05-OCT-2009 10:31:22	Bright	31.000	140	88Gam Peg	2.8340	26000.	62	39727	No
62	GOM_NL__2PRFIN20091005_103846_000000402083_00094_39727_1086.N1	05-OCT-2009 10:38:46	Bright	39.500	53	43Bet And	2.0480	3300.0	79	39727	No
63	GOM_NL__2PRFIN20091005_104349_000000342083_00094_39727_1087.N1	05-OCT-2009 10:43:49	Bright	34.000	68	18Alp Cas	2.2250	4500.0	68	39727	No
64	GOM_NL__2PRFIN20091005_104514_000000342083_00094_39727_1088.N1	05-OCT-2009 10:45:14	Bright	34.000	76	27Gam Cas	2.3000	30000.	68	39727	No
65	GOM_NL__2PRFIN20091005_104835_000000442083_00094_39727_1089.N1	05-OCT-2009 10:48:35	Bright	44.000	160	23Gam Per	2.9300	4700.0	88	39727	No
66	GOM_NL__2PRFIN20091005_112909_000000382083_00094_39727_1090.N1	05-OCT-2009 11:29:09	Dark	37.500	132	15Rho Pup	2.8030	6900.0	75	39727	No
67	GOM_NL__2PRFIN20091005_113302_000000432083_00094_39727_1091.N1	05-OCT-2009 11:33:02	Dark	43.000	88	31Eta CMa	2.4480	20000.	86	39727	No
68	GOM_NL__2PRFIN20091005_115142_000000382083_00095_39728_1137.N1	05-OCT-2009 11:51:42	Straylight	38.000	157	The1Eri	2.9060	9300.0	76	39728	No
69	GOM_NL__2PRFIN20091005_121921_000000402083_00095_39728_1138.N1	05-OCT-2009 12:19:21	Bright	39.500	53	43Bet And	2.0480	3300.0	79	39728	No
70	GOM_NL__2PRFIN20091005_122424_000000342083_00095_39728_1139.N1	05-OCT-2009 12:24:24	Bright	34.000	68	18Alp Cas	2.2250	4500.0	68	39728	No
71	GOM_NL__2PRFIN20091005_122550_000000342083_00095_39728_1140.N1	05-OCT-2009 12:25:50	Bright	33.500	76	27Gam Cas	2.3000	30000.	67	39728	No
72	GOM_NL__2PRFIN20091005_122910_000000442083_00095_39728_1141.N1	05-OCT-2009 12:29:10	Bright	43.500	160	23Gam Per	2.9300	4700.0	87	39728	No
73	GOM_NL__2PRFIN20091005_130946_000000382083_00095_39728_1142.N1	05-OCT-2009 13:09:46	Dark	37.500	132	15Rho Pup	2.8030	6900.0	75	39728	No
74	GOM_NL__2PRFIN20091005_131424_000000482083_00095_39728_1143.N1	05-OCT-2009 13:14:24	Dark	48.000	37	25Del CMa	1.8300	5900.0	96	39728	No
75	GOM_NL__2PRFIN20091005_133218_000000382083_00096_39729_1177.N1	05-OCT-2009 13:32:18	Straylight	38.000	157	The1Eri	2.9060	9300.0	76	39729	No
76	GOM_NL__2PRFIN20091005_135956_000000392083_00096_39729_1178.N1	05-OCT-2009 13:59:56	Bright	39.000	53	43Bet And	2.0480	3300.0	78	39729	No
77	GOM_NL__2PRFIN20091005_140500_000000342083_00096_39729_1179.N1	05-OCT-2009 14:05:00	Bright	34.000	68	18Alp Cas	2.2250	4500.0	68	39729	No
78	GOM_NL__2PRFIN20091005_140625_000000342083_00096_39729_1180.N1	05-OCT-2009 14:06:25	Bright	34.000	76	27Gam Cas	2.3000	30000.	68	39729	No
79	GOM_NL__2PRFIN20091005_140945_000000442083_00096_39729_1181.N1	05-OCT-2009 14:09:45	Bright	43.500	160	23Gam Per	2.9300	4700.0	87	39729	No
80	GOM_NL__2PRFIN20091005_145022_000000382083_00096_39729_1182.N1	05-OCT-2009 14:50:22	Dark	37.500	132	15Rho Pup	2.8030	6900.0	75	39729	No
81	GOM_NL__2PRFIN20091005_145501_000000482083_00096_39729_1183.N1	05-OCT-2009 14:55:01	Dark	48.000	37	25Del CMa	1.8300	5900.0	96	39729	No
82	GOM_NL__2PRFIN20091005_151254_000000382083_00097_39730_1187.N1	05-OCT-2009 15:12:54	Straylight	38.000	157	The1Eri	2.9060	9300.0	76	39730	No
83	GOM_NL__2PRFIN20091005_154032_000000392083_00097_39730_1188.N1	05-OCT-2009 15:40:32	Bright	39.000	53	43Bet And	2.0480	3300.0	78	39730	No
84	GOM_NL__2PRFIN20091005_154536_000000342083_00097_39730_1189.N1	05-OCT-2009 15:45:36	Bright	34.000	68	18Alp Cas	2.2250	4500.0	68	39730	No
85	GOM_NL__2PRFIN20091005_154701_000000342083_00097_39730_1190.N1	05-OCT-2009 15:47:01	Bright	34.000	76	27Gam Cas	2.3000	30000.	68	39730	No
86	GOM_NL__2PRFIN20091005_155021_000000432083_00097_39730_1191.N1	05-OCT-2009 15:50:21	Bright	43.000	160	23Gam Per	2.9300	4700.0	86	39730	No
87	GOM_NL__2PRFIN20091005_163059_000000382083_00097_39730_1192.N1	05-OCT-2009 16:30:59	Dark	37.500	132	15Rho Pup	2.8030	6900.0	75	39730	No
88	GOM_NL__2PRFIN20091005_163453_000000432083_00097_39730_1193.N1	05-OCT-2009 16:34:53	Dark	43.000	88	31Eta CMa	2.4480	20000.	86	39730	No
89	GOM_NL__2PRFIN20091005_165331_000000382083_00098_39731_1196.N1	05-OCT-2009 16:53:31	Straylight	38.000	157	The1Eri	2.9060	9300.0	76	39731	No
90	GOM_NL__2PRFIN20091005_172107_000000392083_00098_39731_1197.N1	05-OCT-2009 17:21:07	Bright	39.000	53	43Bet And	2.0480	3300.0	78	39731	No
91	GOM_NL__2PRFIN20091005_172611_000000342083_00098_39731_1198.N1	05-OCT-2009 17:26:11	Bright	34.000	68	18Alp Cas	2.2250	4500.0	68	39731	No
92	GOM_NL__2PRFIN20091005_172737_000000342083_00098_39731_1199.N1	05-OCT-2009 17:27:37	Bright	34.000	76	27Gam Cas	2.3000	30000.	68	39731	No
93	GOM_NL__2PRFIN20091005_173056_000000432083_00098_39731_1200.N1	05-OCT-2009 17:30:56	Bright	43.000	160	23Gam Per	2.9300	4700.0	86	39731	No
94	GOM_NL__2PRFIN20091005_181136_000000382083_00098_39731_1201.N1	05-OCT-2009 18:11:36	Dark	37.500	132	15Rho Pup	2.8030	6900.0	75	39731	No
95	GOM_NL__2PRFIN20091005_181530_000000432083_00098_39731_1202.N1	05-OCT-2009 18:15:30	Dark	43.000	88	31Eta CMa	2.4480	20000.	86	39731	No
96	GOM_NL__2PRFIN20091005_183408_000000382083_00099_39732_1205.N1	05-OCT-2009 18:34:08	Straylight	38.000	157	The1Eri	2.9060	9300.0	76	39732	No
97	GOM_NL__2PRFIN20091005_190143_000000392083_00099_39732_1206.N1	05-OCT-2009 19:01:43	Bright	39.000	53	43Bet And	2.0480	3300.0	78	39732	No
98	GOM_NL__2PRFIN20091005_190647_000000342083_00099_39732_1207.N1	05-OCT-2009 19:06:47	Bright	34.000	68	18Alp Cas	2.2250	4500.0	68	39732	No
99	GOM_NL__2PRFIN20091005_190812_000000342083_00099_39732_1208.N1	05-OCT-2009 19:08:12	Bright	34.000	76	27Gam Cas	2.3000	30000.	68	39732	No
100	GOM_NL__2PRFIN20091005_191131_000000442083_00099_39732_1209.N1	05-OCT-2009 19:11:31	Bright	43.500	160	23Gam Per	2.9300	4700.0	87	39732	No
101	GOM_NL__2PRFIN20091005_195213_000000382083_00099_39732_1210.N1	05-OCT-2009 19:52:13	Dark	38.000	132	15Rho Pup	2.8030	6900.0	76	39732	No

102	GOM_NL__2PRFIN20091005_195607_000000442083_00099_39732_1211.N1	05-OCT-2009 19:56:07	Dark	43.500	88	31Eta CMa	2.4480	20000.	87	39732	No
103	GOM_NL__2PRFIN20091005_201444_000000382083_00100_39733_1214.N1	05-OCT-2009 20:14:44	Straylight	38.000	157	The1Eri	2.9060	9300.0	76	39733	No
104	GOM_NL__2PRFIN20091005_204218_000000392083_00100_39733_1215.N1	05-OCT-2009 20:42:18	Bright	38.500	53	43Bet And	2.0480	3300.0	77	39733	No
105	GOM_NL__2PRFIN20091005_204723_000000342083_00100_39733_1216.N1	05-OCT-2009 20:47:23	Bright	33.500	68	18Alp Cas	2.2250	4500.0	67	39733	No
106	GOM_NL__2PRFIN20091005_204848_000000332083_00100_39733_1217.N1	05-OCT-2009 20:48:48	Bright	33.000	76	27Gam Cas	2.3000	30000.	66	39733	No
107	GOM_NL__2PRFIN20091005_205206_000000422083_00100_39733_1218.N1	05-OCT-2009 20:52:06	Bright	42.000	160	23Gam Per	2.9300	4700.0	84	39733	No
108	GOM_NL__2PRFIN20091005_213644_000000432083_00100_39733_1219.N1	05-OCT-2009 21:36:44	Dark	43.000	88	31Eta CMa	2.4480	20000.	86	39733	No
109	GOM_NL__2PRFIN20091005_215521_000000382083_00101_39734_1223.N1	05-OCT-2009 21:55:21	Straylight	38.000	157	The1Eri	2.9060	9300.0	76	39734	No
110	GOM_NL__2PRFIN20091005_222253_000000392083_00101_39734_1224.N1	05-OCT-2009 22:22:53	Bright	38.500	53	43Bet And	2.0480	3300.0	77	39734	No
111	GOM_NL__2PRFIN20091005_222758_000000342083_00101_39734_1225.N1	05-OCT-2009 22:27:58	Bright	33.500	68	18Alp Cas	2.2250	4500.0	67	39734	No
112	GOM_NL__2PRFIN20091005_222923_000000332083_00101_39734_1226.N1	05-OCT-2009 22:29:23	Bright	33.000	76	27Gam Cas	2.3000	30000.	66	39734	No
113	GOM_NL__2PRFIN20091005_223241_000000422083_00101_39734_1227.N1	05-OCT-2009 22:32:41	Bright	42.000	160	23Gam Per	2.9300	4700.0	84	39734	No
114	GOM_NL__2PRFIN20091005_231327_000000372083_00101_39734_1228.N1	05-OCT-2009 23:13:27	Dark	37.000	132	15Rho Pup	2.8030	6900.0	74	39734	No
115	GOM_NL__2PRFIN20091005_231721_000000432083_00101_39734_1229.N1	05-OCT-2009 23:17:21	Dark	42.500	88	31Eta CMa	2.4480	20000.	85	39734	No
116	GOM_NL__2PRFIN20091005_233557_000000382083_00102_39735_1232.N1	05-OCT-2009 23:35:57	Straylight	38.000	157	The1Eri	2.9060	9300.0	76	39735	No

### 3. Quality information per product

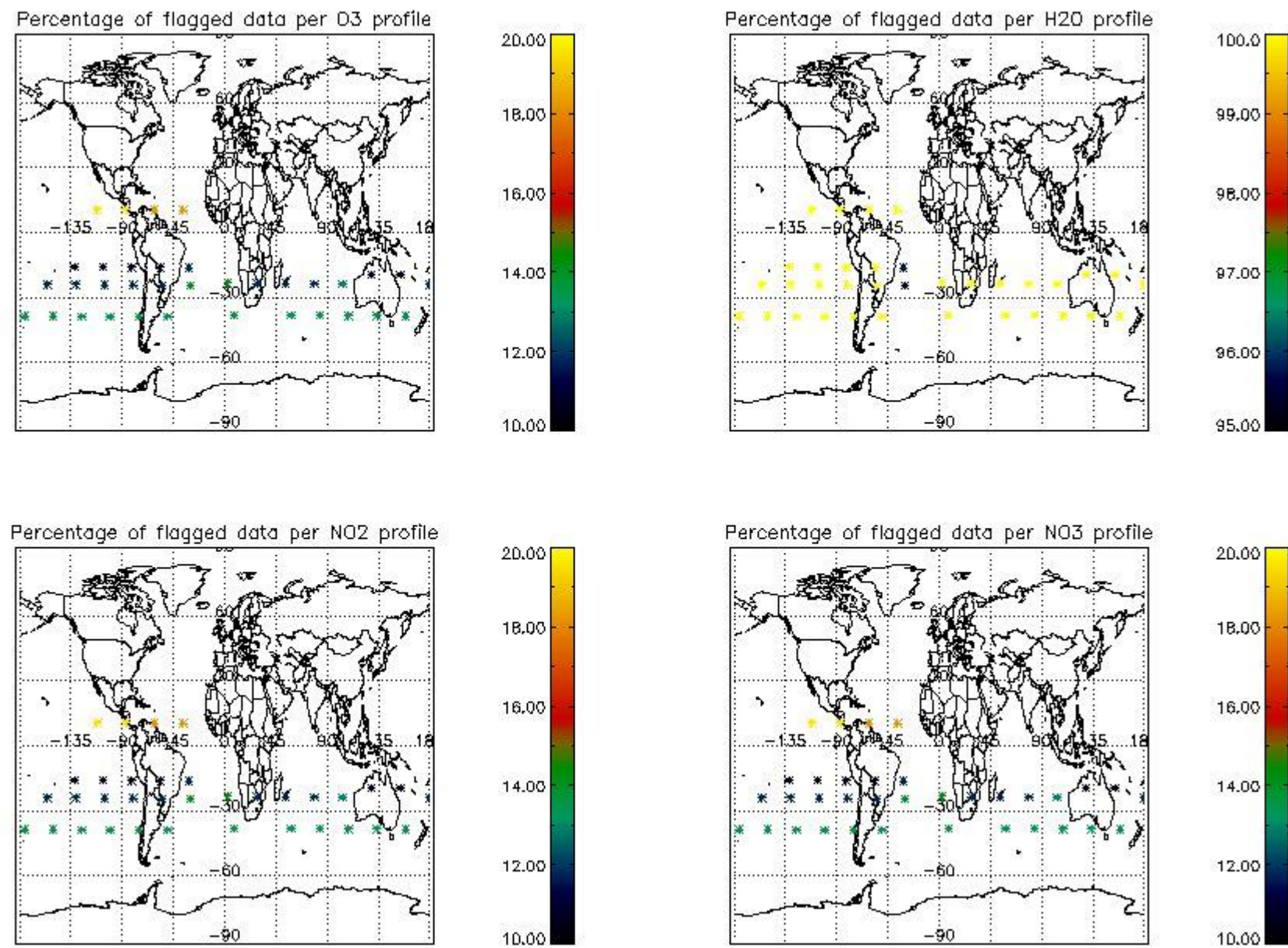
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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





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

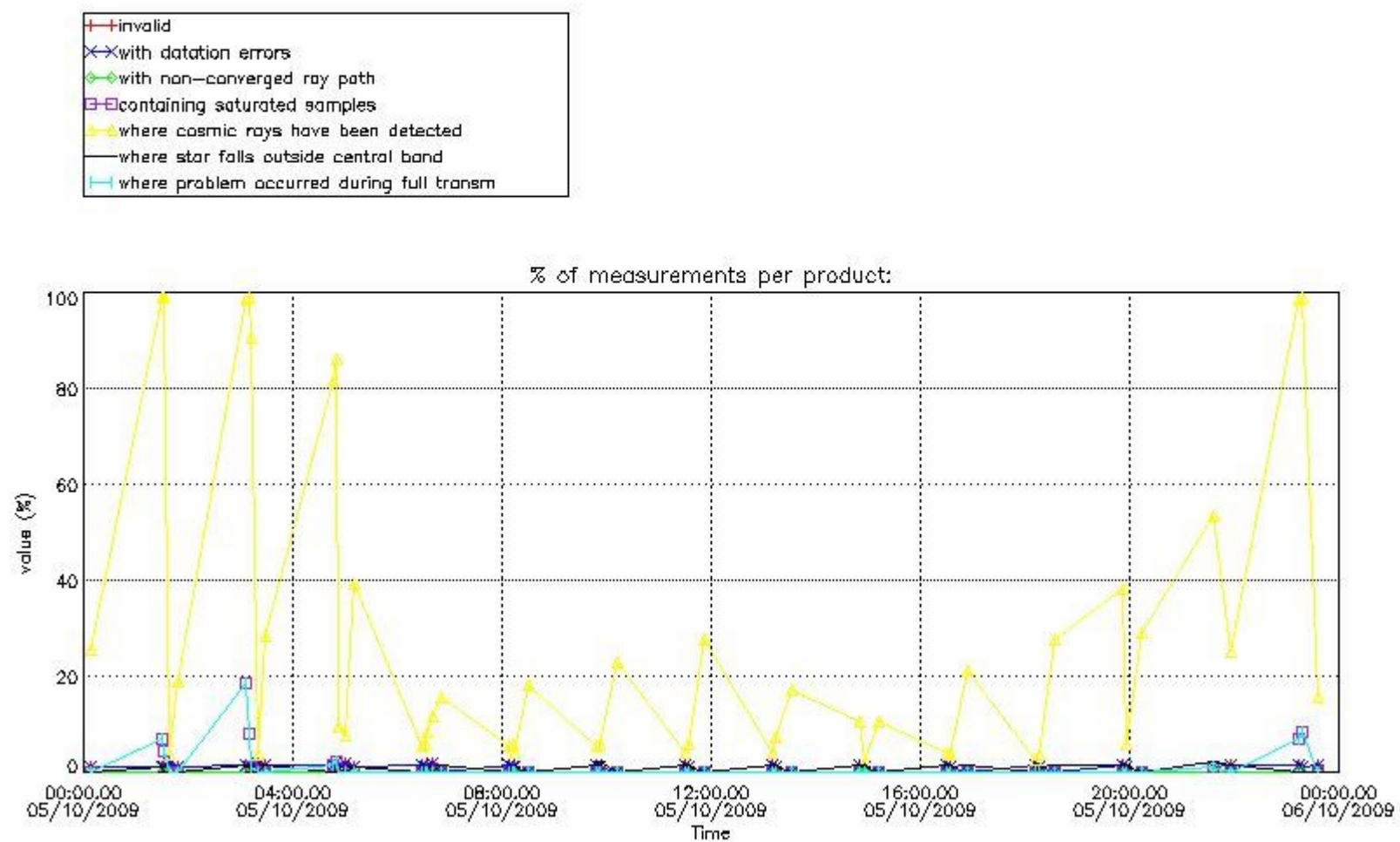


### 4. Level 1 quality information per product

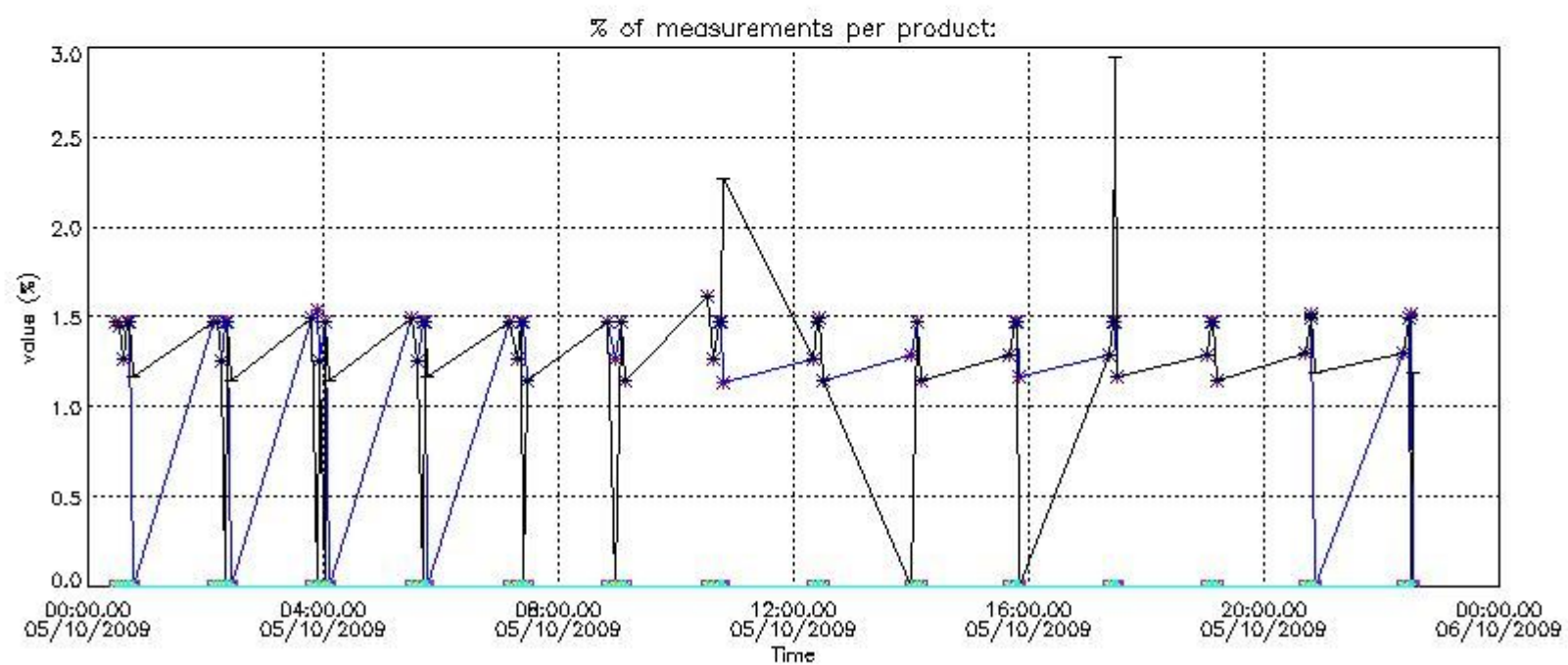
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

#### 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

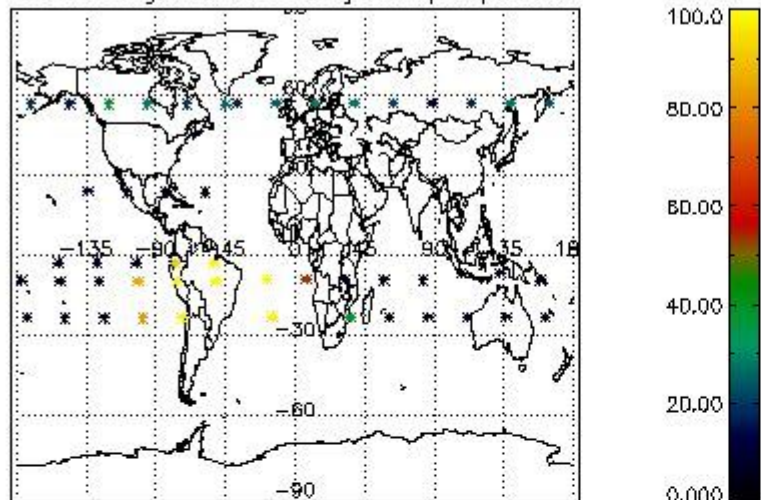


#### 4.2 Plot quality information per product coming from level 1b processing (world map)

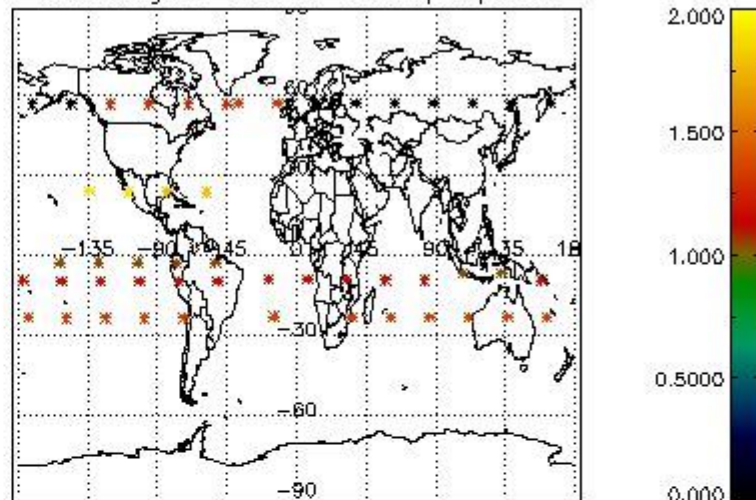
##### 4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes



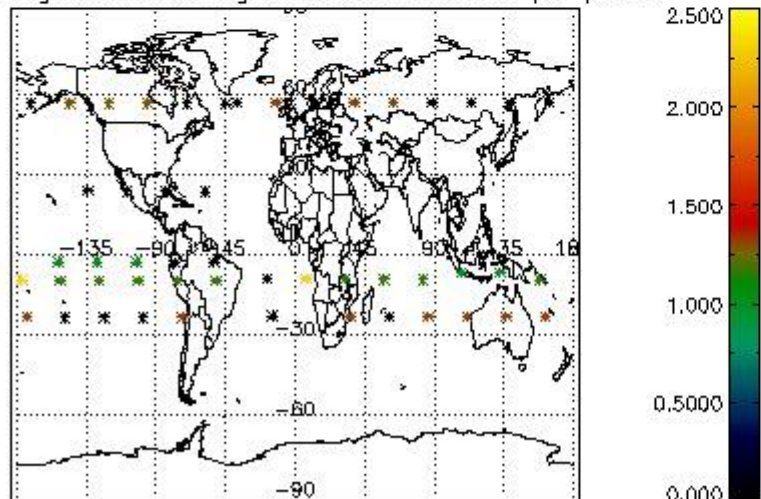
Percentage of cosmic ray hits per profile



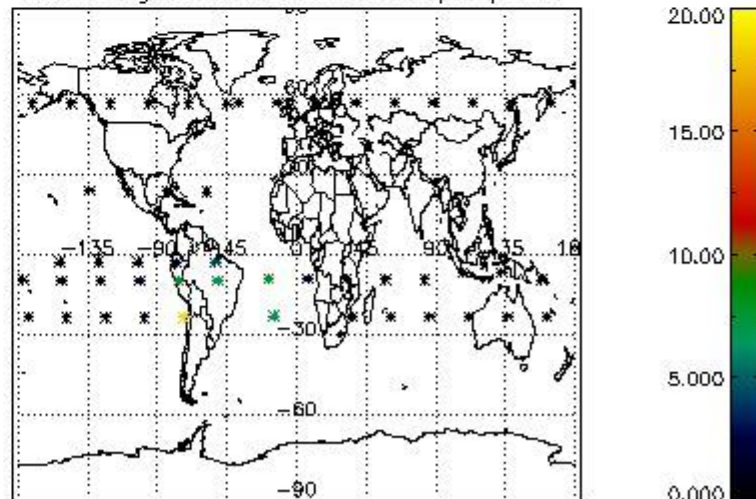
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

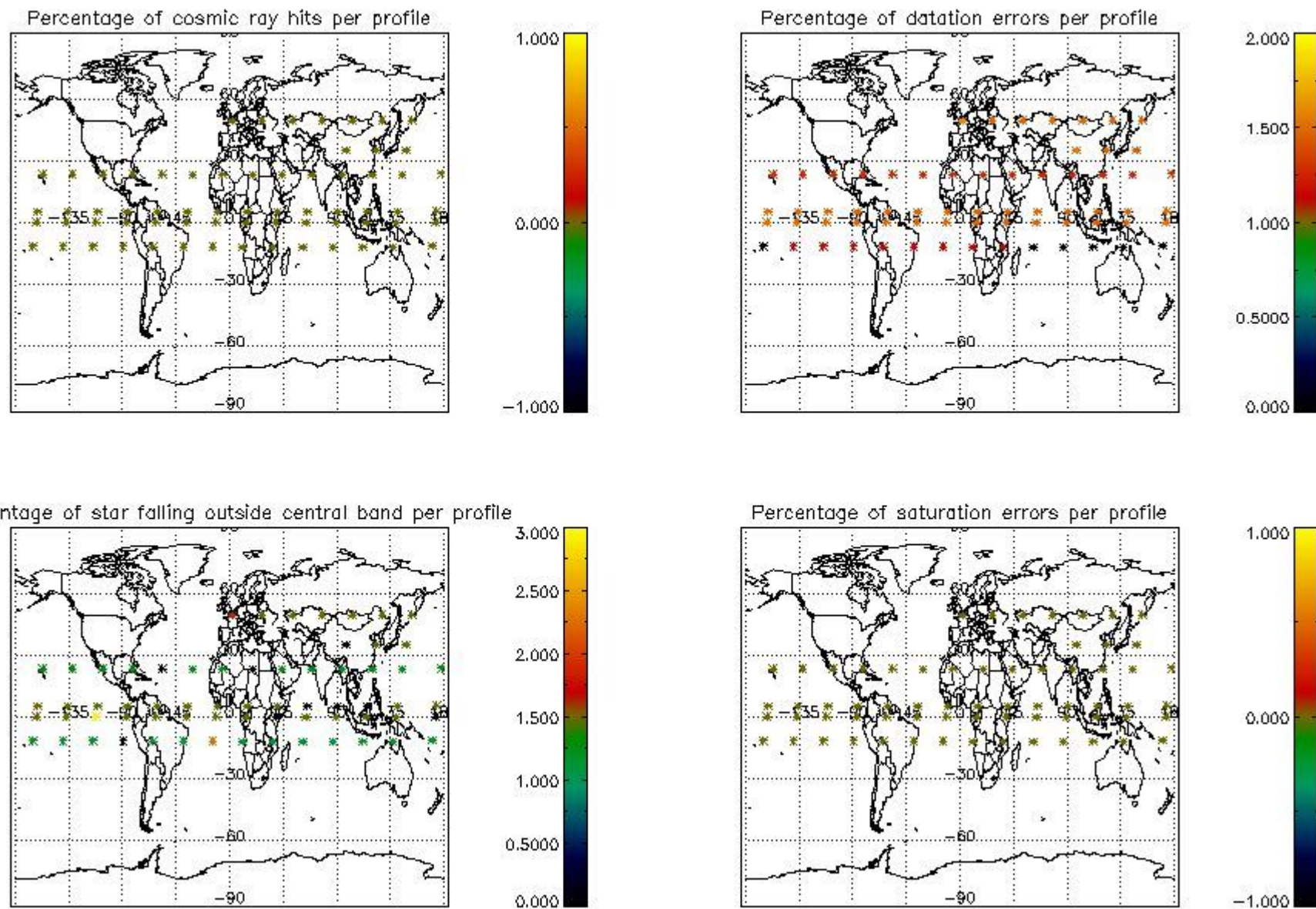


Percentage of saturation errors per profile



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

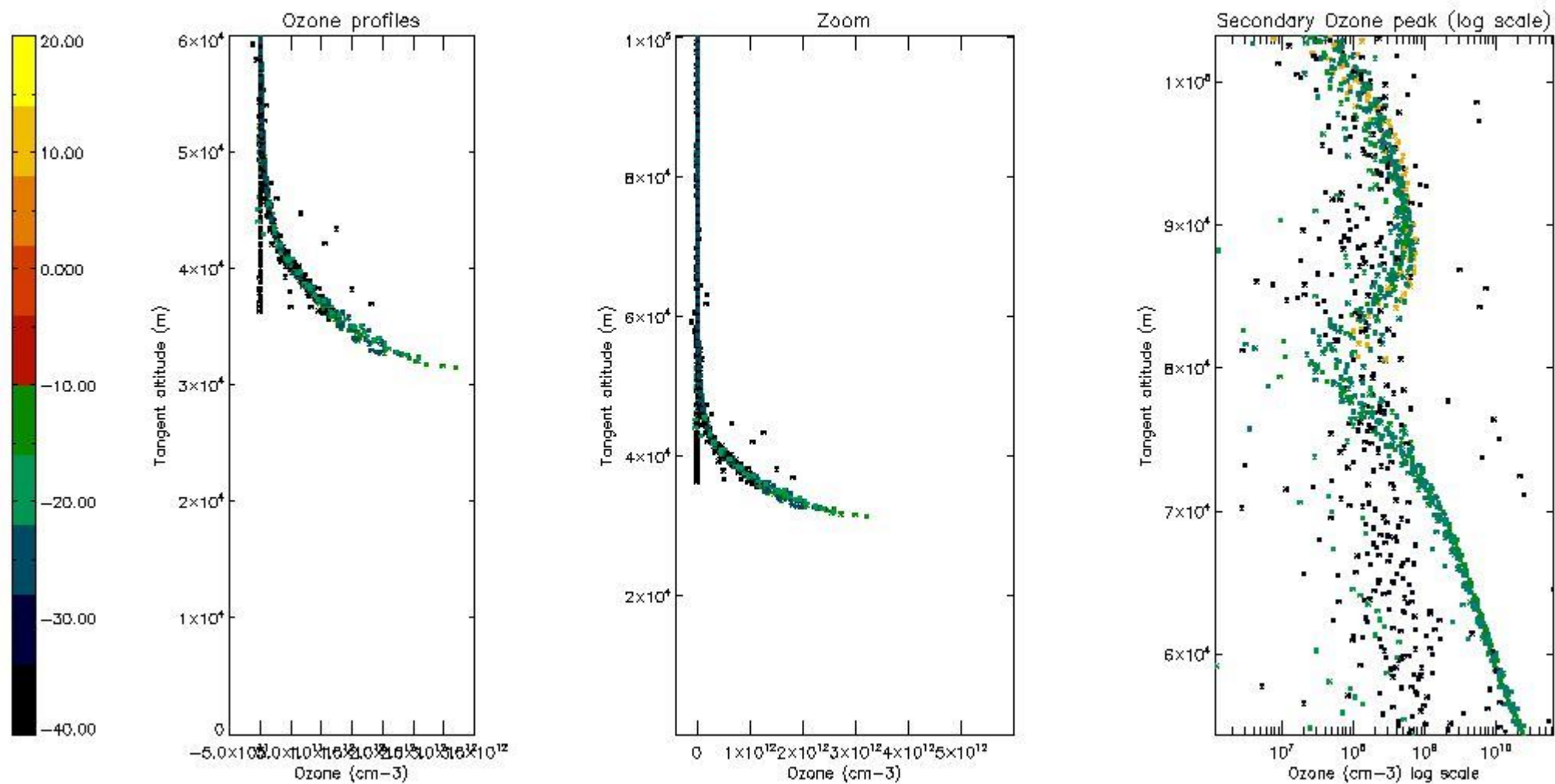
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	32
STD < 20	13

STD < 10	10
STD < 5	8

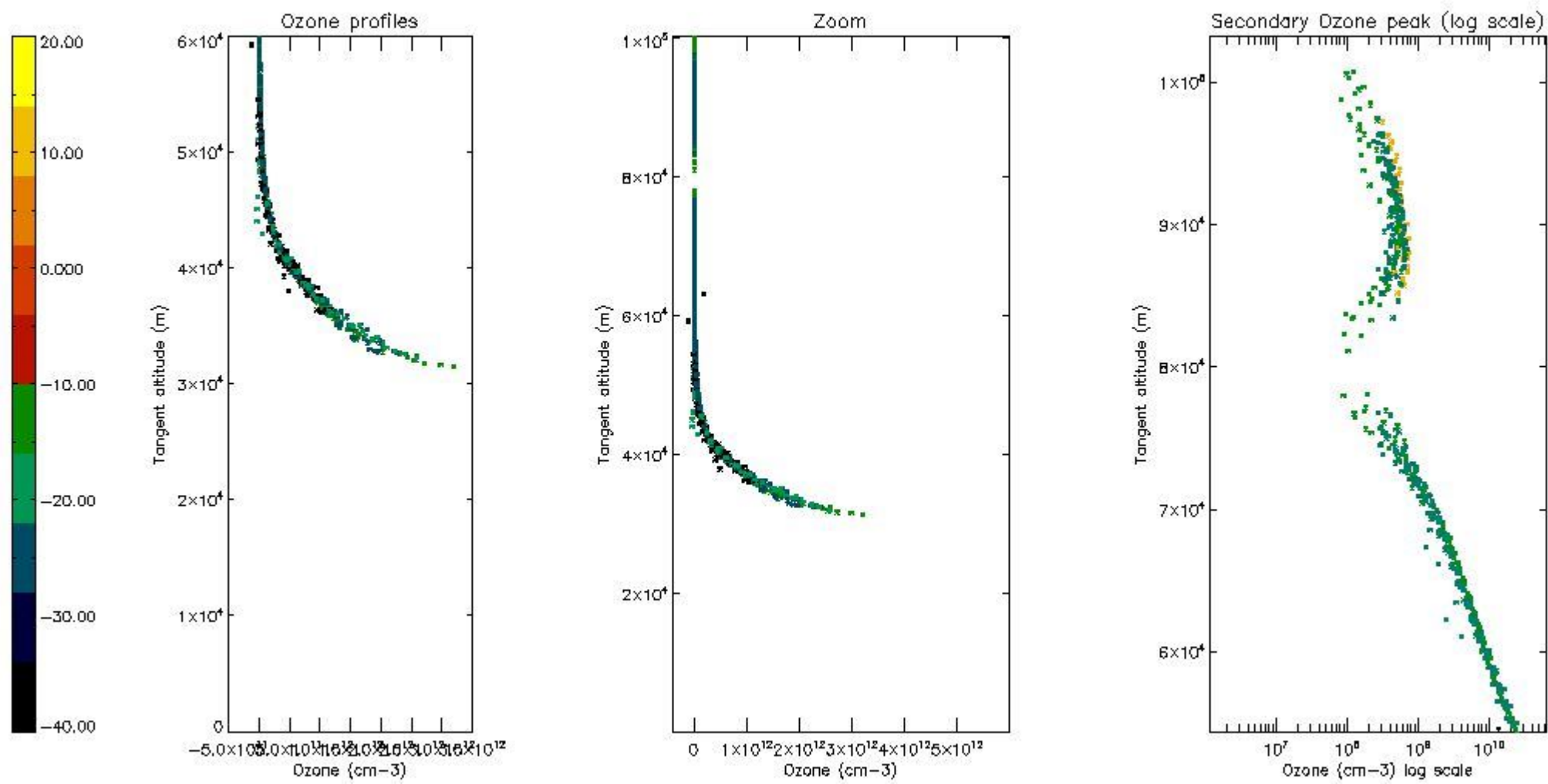
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



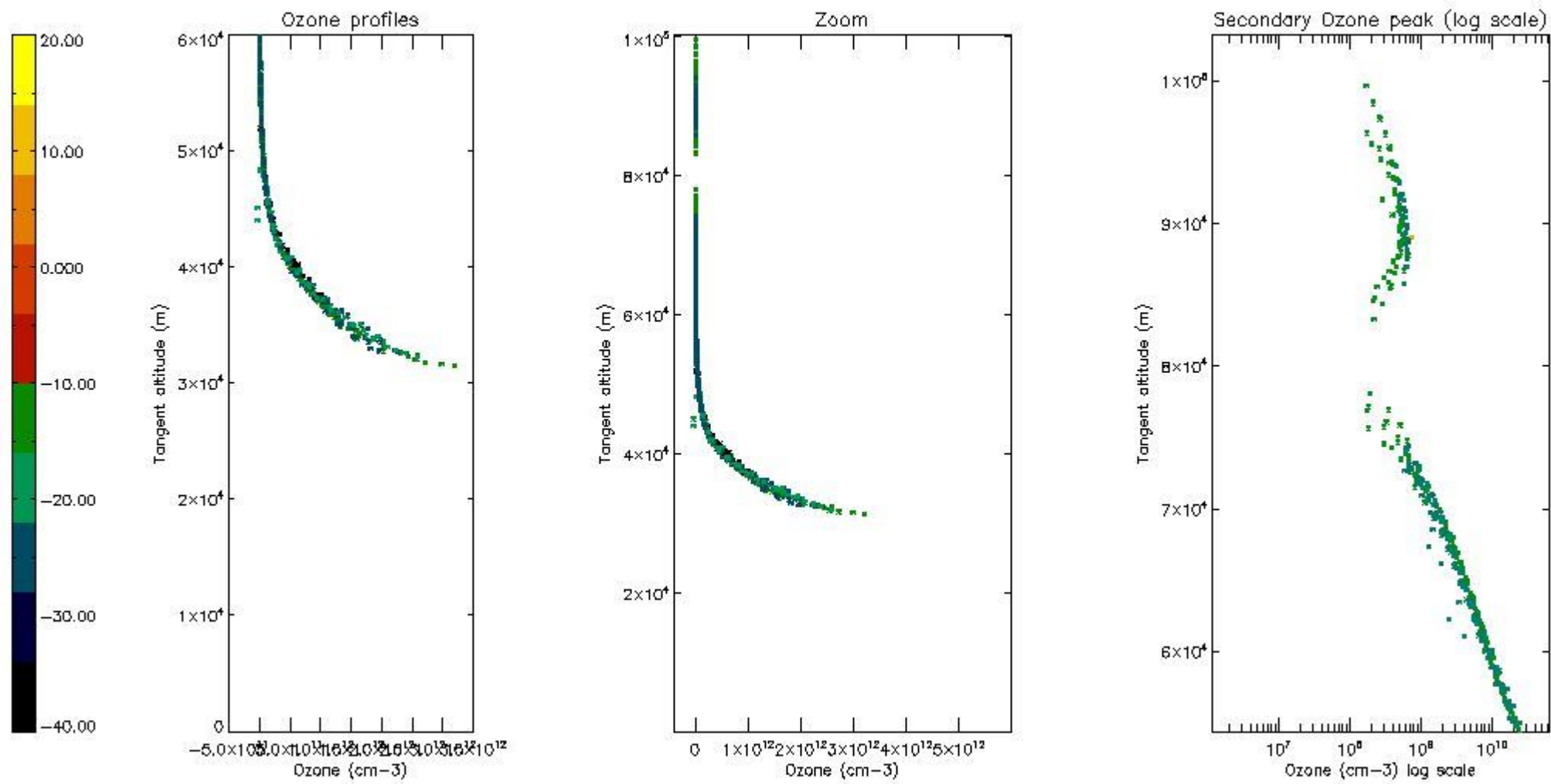
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



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

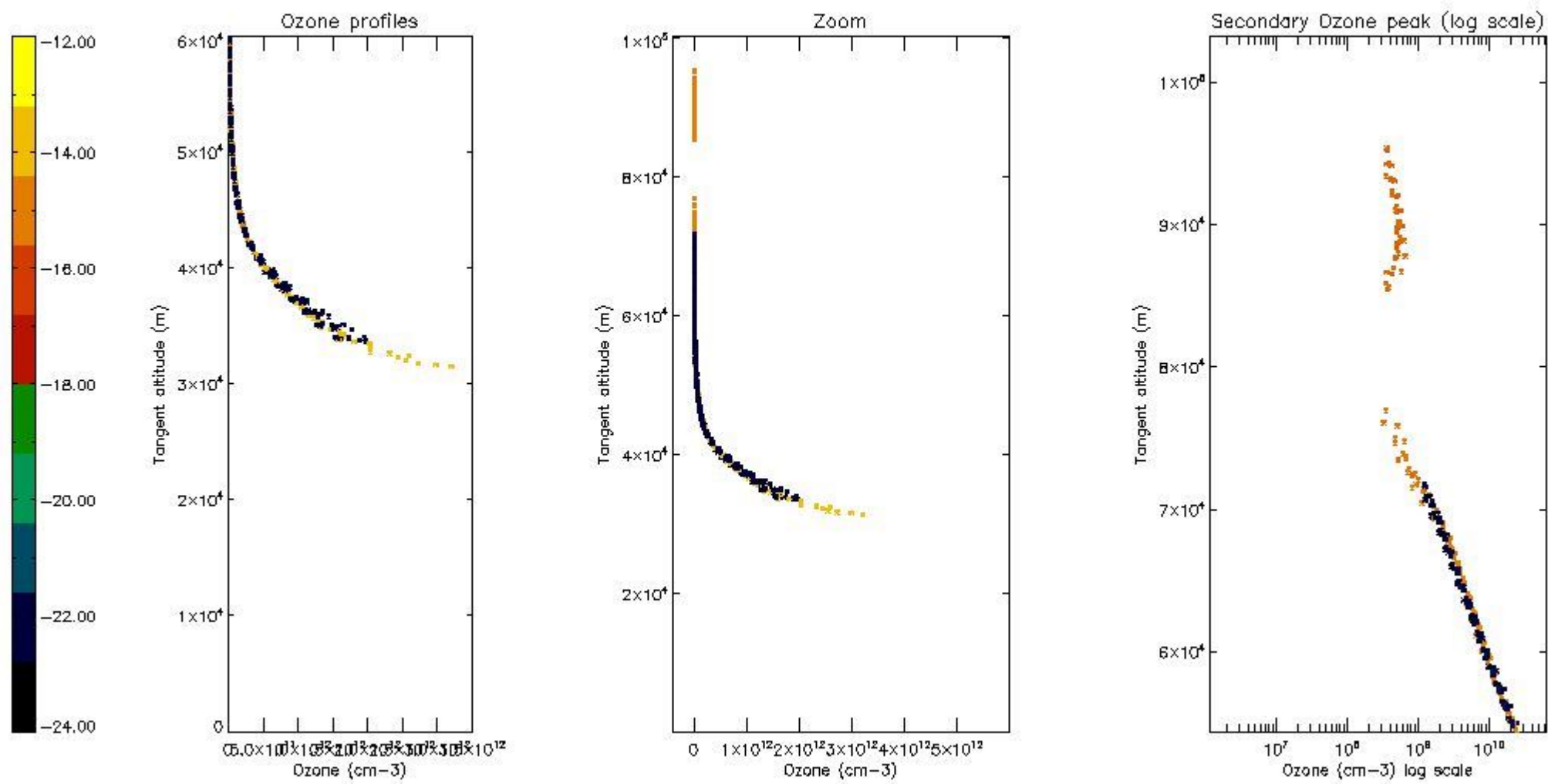
The colorbar represents the latitude.



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

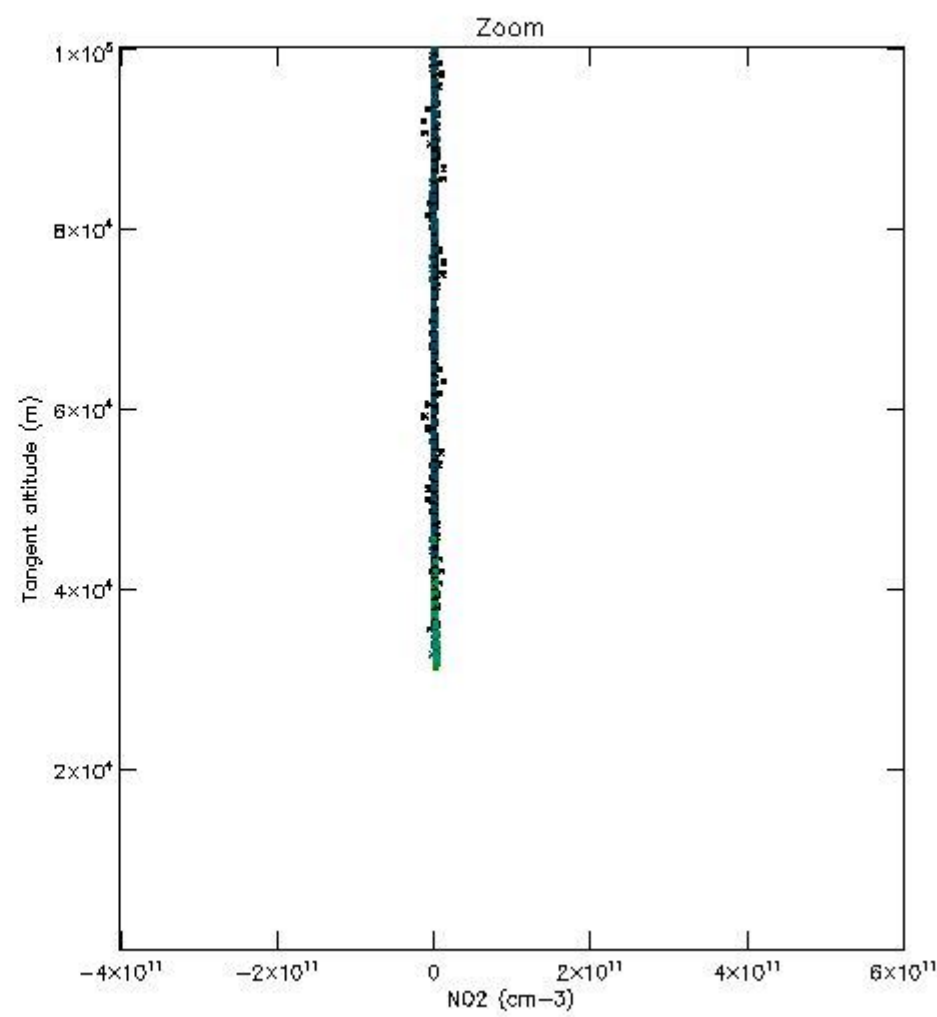
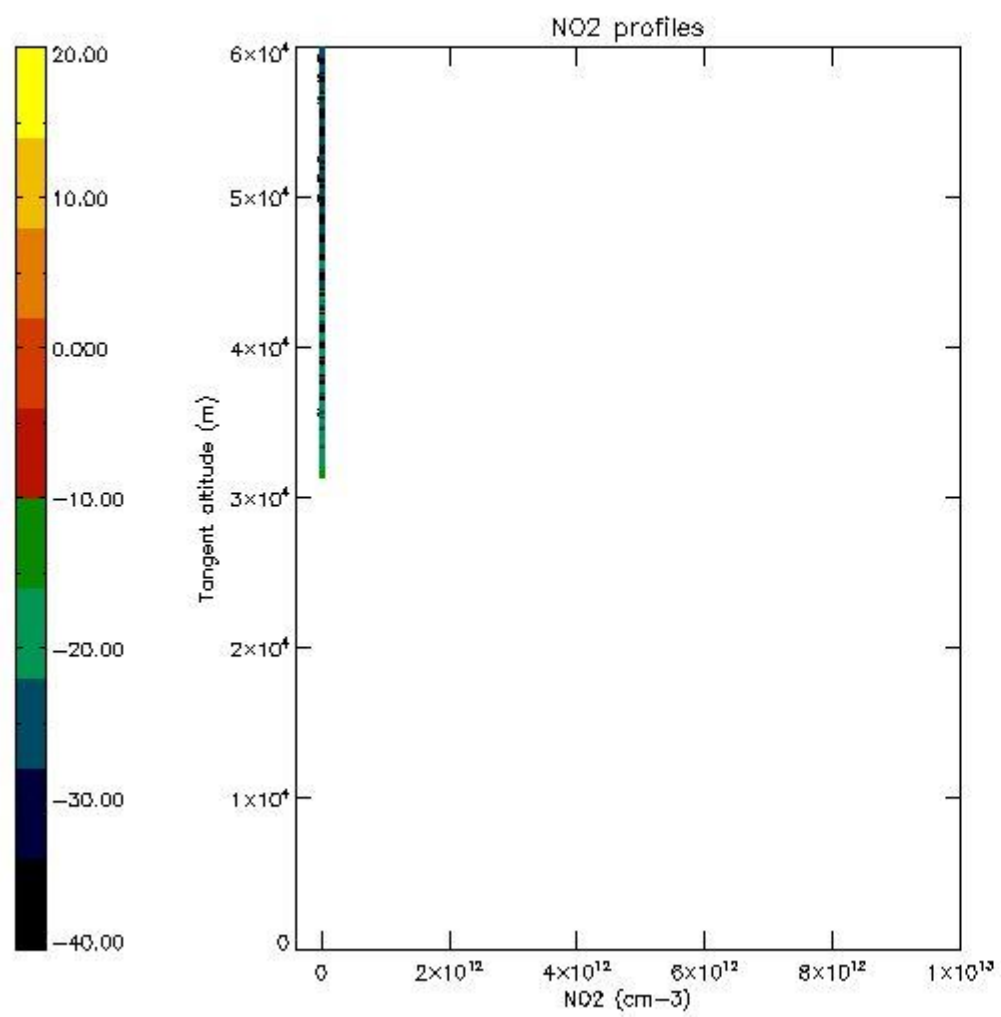
The colorbar represents the latitude.





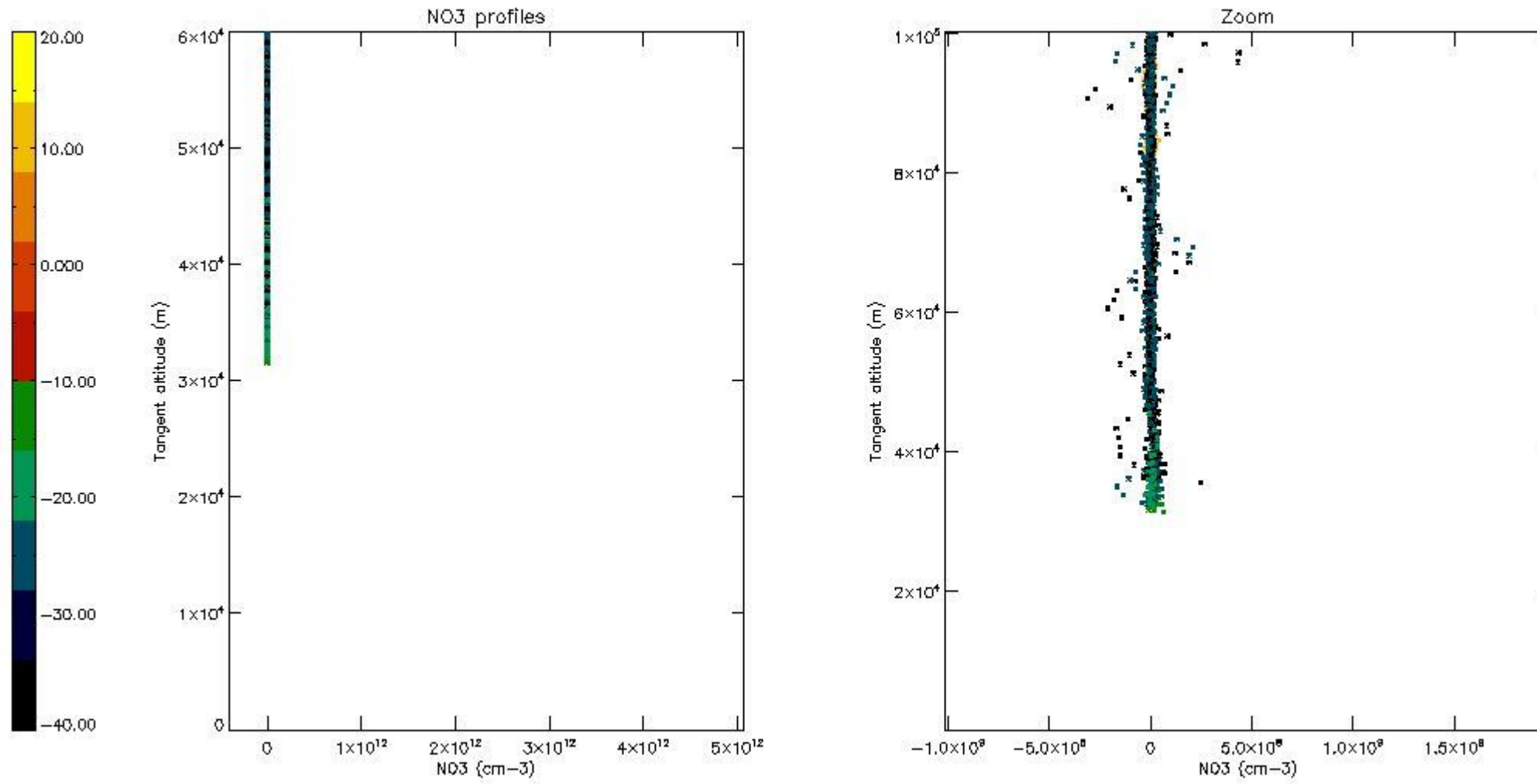
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	05-OCT-2009 00:07:25
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	05-OCT-2009 00:07:25
CROSS_SECTIONS_FILE	GOM_CR2_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	05-OCT-2009 00:07:25

# GOMOS Level 2 Daily Report

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### [5. Ozone profiles based on quality statistics and other trace gas profiles](#)

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

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

#### [5.3 Plot ozone profiles where STD < 20% \(dark without errors\)](#)

#### [5.4. Plot ozone profiles where STD < 10% \(dark without errors\)](#)

#### [5.5. Plot ozone profiles where STD < 5% \(dark without errors\)](#)

#### [5.6 Plot NO2 profiles for all STD \(dark without errors\)](#)

#### [5.7 Plot NO3 profiles for all STD \(dark without errors\)](#)

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

### [6. Auxiliary Data Files used for the production reported in section 2](#)



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

Item	Value
Time of report generation	26APR2013 13:05:46
Data source version	GOMOS/6.01
Start time of products	05-10-2009 (05OCT2009 00:00:00)
Stop time of products	06-10-2009 (06OCT2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	116
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__2PRFIN20091005_000725_000000402083_00088_39721_0983.N1	05-OCT-2009 00:07:25	Straylight	39.500	157	The1Eri	2.9060	9300.0	79	39721	No
2	GOM_NL__2PRFIN20091005_002745_000000342083_00088_39721_0984.N1	05-OCT-2009 00:27:45	Bright	34.000	140	88Gam Peg	2.8340	26000.	68	39721	No
3	GOM_NL__2PRFIN20091005_003150_000000352083_00088_39721_0985.N1	05-OCT-2009 00:31:50	Bright	34.500	58	21Alp And	2.0730	11000.	69	39721	No
4	GOM_NL__2PRFIN20091005_003514_000000402083_00088_39721_0986.N1	05-OCT-2009 00:35:14	Bright	39.500	53	43Bet And	2.0480	3300.0	79	39721	No
5	GOM_NL__2PRFIN20091005_004015_000000342083_00088_39721_0987.N1	05-OCT-2009 00:40:15	Bright	34.000	68	18Alp Cas	2.2250	4500.0	68	39721	No
6	GOM_NL__2PRFIN20091005_004141_000000342083_00088_39721_0988.N1	05-OCT-2009 00:41:41	Bright	34.000	76	27Gam Cas	2.3000	30000.	68	39721	No
7	GOM_NL__2PRFIN20091005_004506_000000432083_00088_39721_0989.N1	05-OCT-2009 00:45:06	Bright	43.000	160	23Gam Per	2.9300	4700.0	86	39721	No
8	GOM_NL__2PRFIN20091005_012919_000000432083_00088_39721_0990.N1	05-OCT-2009 01:29:19	Dark	43.000	88	31Eta CMa	2.4480	20000.	86	39721	No
9	GOM_NL__2PRFIN20091005_013115_000000482083_00088_39721_0991.N1	05-OCT-2009 01:31:15	Dark	47.500	23	21Eps CMa	1.5020	26000.	95	39721	No
10	GOM_NL__2PRFIN20091005_013840_000000282083_00089_39722_0991.N1	05-OCT-2009 01:38:40	Dark	28.000	108	Alp Col	2.6520	15200.	56	39722	No
11	GOM_NL__2PRFIN20091005_014802_000000402083_00089_39722_0992.N1	05-OCT-2009 01:48:02	Straylight	39.500	157	The1Eri	2.9060	9300.0	79	39722	No
12	GOM_NL__2PRFIN20091005_020821_000000342083_00089_39722_0993.N1	05-OCT-2009 02:08:21	Bright	34.000	140	88Gam Peg	2.8340	26000.	68	39722	No
13	GOM_NL__2PRFIN20091005_021226_000000342083_00089_39722_0994.N1	05-OCT-2009 02:12:26	Bright	34.000	58	21Alp And	2.0730	11000.	68	39722	No
14	GOM_NL__2PRFIN20091005_021549_000000402083_00089_39722_0995.N1	05-OCT-2009 02:15:49	Bright	40.000	53	43Bet And	2.0480	3300.0	80	39722	No
15	GOM_NL__2PRFIN20091005_022051_000000342083_00089_39722_0996.N1	05-OCT-2009 02:20:51	Bright	34.000	68	18Alp Cas	2.2250	4500.0	68	39722	No
16	GOM_NL__2PRFIN20091005_022216_000000342083_00089_39722_0997.N1	05-OCT-2009 02:22:16	Bright	34.000	76	27Gam Cas	2.3000	30000.	68	39722	No
17	GOM_NL__2PRFIN20091005_022540_000000442083_00089_39722_0998.N1	05-OCT-2009 02:25:40	Bright	43.500	160	23Gam Per	2.9300	4700.0	87	39722	No
18	GOM_NL__2PRFIN20091005_030604_000000382083_00089_39722_0999.N1	05-OCT-2009 03:06:04	Dark	37.500	132	15Rho Pup	2.8030	6900.0	75	39722	No
19	GOM_NL__2PRFIN20091005_030956_000000432083_00089_39722_1000.N1	05-OCT-2009 03:09:56	Dark	43.000	88	31Eta CMa	2.4480	20000.	86	39722	No
20	GOM_NL__2PRFIN20091005_031152_000000482083_00089_39722_1001.N1	05-OCT-2009 03:11:52	Dark	47.500	23	21Eps CMa	1.5020	26000.	95	39722	No
21	GOM_NL__2PRFIN20091005_031917_000000282083_00090_39723_1000.N1	05-OCT-2009 03:19:17	Dark	28.000	108	Alp Col	2.6520	15200.	56	39723	No
22	GOM_NL__2PRFIN20091005_032839_000000392083_00090_39723_1001.N1	05-OCT-2009 03:28:39	Straylight	39.000	157	The1Eri	2.9060	9300.0	78	39723	No
23	GOM_NL__2PRFIN20091005_034857_000000342083_00090_39723_1002.N1	05-OCT-2009 03:48:57	Bright	33.500	140	88Gam Peg	2.8340	26000.	67	39723	No
24	GOM_NL__2PRFIN20091005_035303_000000332083_00090_39723_1003.N1	05-OCT-2009 03:53:03	Bright	32.500	58	21Alp And	2.0730	11000.	65	39723	No
25	GOM_NL__2PRFIN20091005_035624_000000402083_00090_39723_1004.N1	05-OCT-2009 03:56:24	Bright	40.000	53	43Bet And	2.0480	3300.0	80	39723	No
26	GOM_NL__2PRFIN20091005_040127_000000342083_00090_39723_1005.N1	05-OCT-2009 04:01:27	Bright	34.000	68	18Alp Cas	2.2250	4500.0	68	39723	No
27	GOM_NL__2PRFIN20091005_040252_000000342083_00090_39723_1006.N1	05-OCT-2009 04:02:52	Bright	34.000	76	27Gam Cas	2.3000	30000.	68	39723	No
28	GOM_NL__2PRFIN20091005_040615_000000442083_00090_39723_1007.N1	05-OCT-2009 04:06:15	Bright	43.500	160	23Gam Per	2.9300	4700.0	87	39723	No
29	GOM_NL__2PRFIN20091005_044641_000000382083_00090_39723_1008.N1	05-OCT-2009 04:46:41	Dark	37.500	132	15Rho Pup	2.8030	6900.0	75	39723	No
30	GOM_NL__2PRFIN20091005_045033_000000432083_00090_39723_1009.N1	05-OCT-2009 04:50:33	Dark	43.000	88	31Eta CMa	2.4480	20000.	86	39723	No
31	GOM_NL__2PRFIN20091005_045230_000000482083_00090_39723_1010.N1	05-OCT-2009 04:52:30	Dark	48.000	23	21Eps CMa	1.5020	26000.	96	39723	No
32	GOM_NL__2PRFIN20091005_045955_000000262083_00091_39724_1009.N1	05-OCT-2009 04:59:55	Dark	26.000	108	Alp Col	2.6520	15200.	52	39724	No
33	GOM_NL__2PRFIN20091005_050915_000000402083_00091_39724_1010.N1	05-OCT-2009 05:09:15	Straylight	39.500	157	The1Eri	2.9060	9300.0	79	39724	No
34	GOM_NL__2PRFIN20091005_052933_000000342083_00091_39724_1011.N1	05-OCT-2009 05:29:33	Bright	33.500	140	88Gam Peg	2.8340	26000.	67	39724	No
35	GOM_NL__2PRFIN20091005_053659_000000402083_00091_39724_1012.N1	05-OCT-2009 05:36:59	Bright	40.000	53	43Bet And	2.0480	3300.0	80	39724	No
36	GOM_NL__2PRFIN20091005_054202_000000342083_00091_39724_1013.N1	05-OCT-2009 05:42:02	Bright	34.000	68	18Alp Cas	2.2250	4500.0	68	39724	No
37	GOM_NL__2PRFIN20091005_054327_000000342083_00091_39724_1014.N1	05-OCT-2009 05:43:27	Bright	34.000	76	27Gam Cas	2.3000	30000.	68	39724	No
38	GOM_NL__2PRFIN20091005_054650_000000432083_00091_39724_1015.N1	05-OCT-2009 05:46:50	Bright	43.000	160	23Gam Per	2.9300	4700.0	86	39724	No
39	GOM_NL__2PRFIN20091005_062718_000000382083_00091_39724_1016.N1	05-OCT-2009 06:27:18	Dark	37.500	132	15Rho Pup	2.8030	6900.0	75	39724	No
40	GOM_NL__2PRFIN20091005_063110_000000432083_00091_39724_1017.N1	05-OCT-2009 06:31:10	Dark	43.000	88	31Eta CMa	2.4480	20000.	86	39724	No
41	GOM_NL__2PRFIN20091005_063307_000000482083_00091_39724_1018.N1	05-OCT-2009 06:33:07	Dark	48.000	23	21Eps CMa	1.5020	26000.	96	39724	No
42	GOM_NL__2PRFIN20091005_064032_000000262083_00092_39725_1018.N1	05-OCT-2009 06:40:32	Dark	26.000	108	Alp Col	2.6520	15200.	52	39725	No

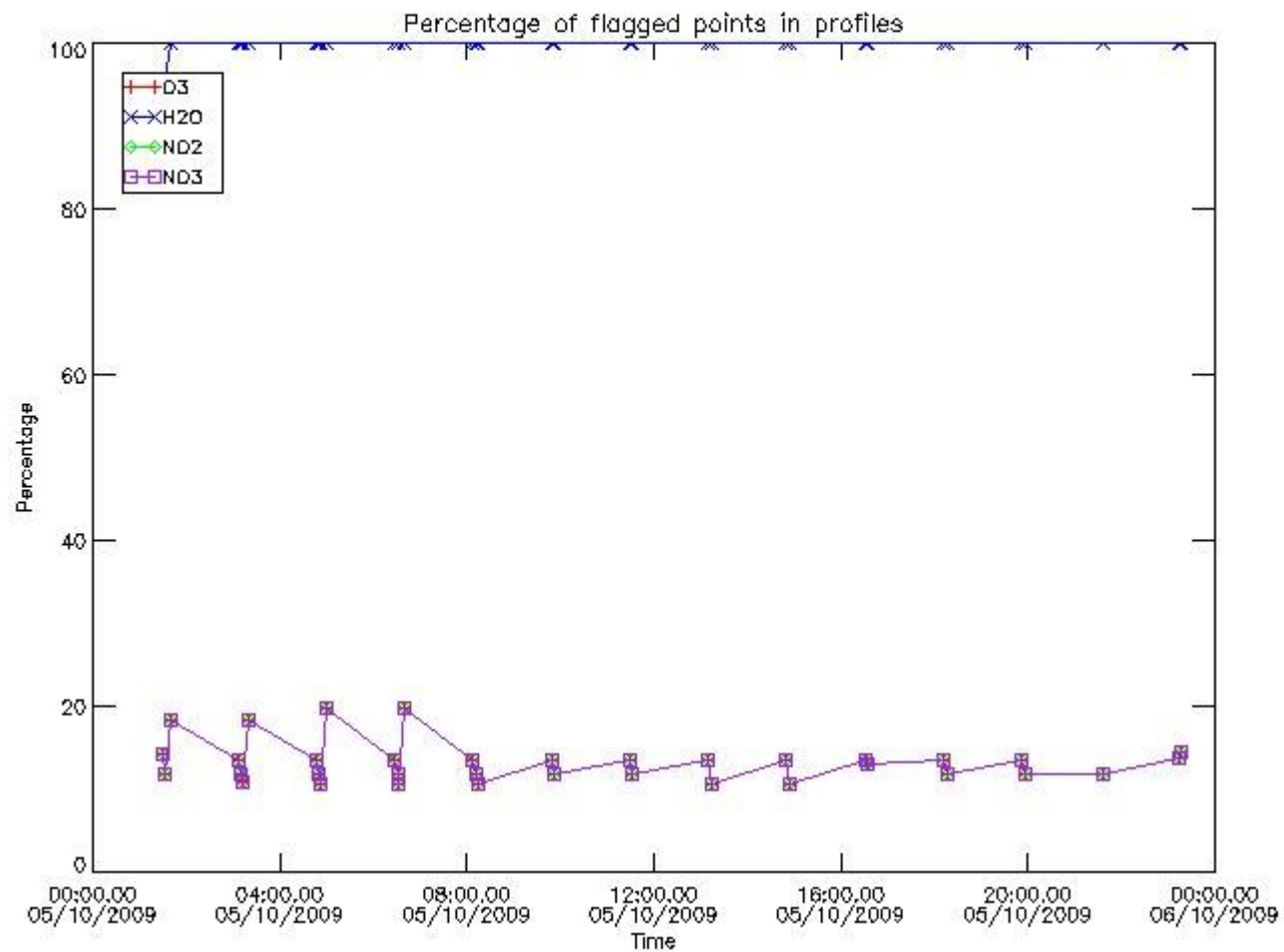
43	GOM_NL__2PRFIN20091005_064952_000000392083_00092_39725_1019.N1	05-OCT-2009 06:49:52	Straylight	38.500	157	The1Eri	2.9060	9300.0	77	39725	No
44	GOM_NL__2PRFIN20091005_071008_000000342083_00092_39725_1020.N1	05-OCT-2009 07:10:08	Bright	34.000	140	88Gam Peg	2.8340	26000.	68	39725	No
45	GOM_NL__2PRFIN20091005_071735_000000402083_00092_39725_1021.N1	05-OCT-2009 07:17:35	Bright	39.500	53	43Bet And	2.0480	3300.0	79	39725	No
46	GOM_NL__2PRFIN20091005_072238_000000342083_00092_39725_1022.N1	05-OCT-2009 07:22:38	Bright	34.000	68	18Alp Cas	2.2250	4500.0	68	39725	No
47	GOM_NL__2PRFIN20091005_072403_000000342083_00092_39725_1023.N1	05-OCT-2009 07:24:03	Bright	34.000	76	27Gam Cas	2.3000	30000.	68	39725	No
48	GOM_NL__2PRFIN20091005_072726_000000442083_00092_39725_1024.N1	05-OCT-2009 07:27:26	Bright	43.500	160	23Gam Per	2.9300	4700.0	87	39725	No
49	GOM_NL__2PRFIN20091005_080755_000000382083_00092_39725_1025.N1	05-OCT-2009 08:07:55	Dark	37.500	132	15Rho Pup	2.8030	6900.0	75	39725	No
50	GOM_NL__2PRFIN20091005_081147_000000432083_00092_39725_1026.N1	05-OCT-2009 08:11:47	Dark	43.000	88	31Eta CMa	2.4480	20000.	86	39725	No
51	GOM_NL__2PRFIN20091005_081345_000000482083_00092_39725_1027.N1	05-OCT-2009 08:13:45	Dark	48.000	23	21Eps CMa	1.5020	26000.	96	39725	No
52	GOM_NL__2PRFIN20091005_083028_000000392083_00093_39726_1029.N1	05-OCT-2009 08:30:28	Straylight	38.500	157	The1Eri	2.9060	9300.0	77	39726	No
53	GOM_NL__2PRFIN20091005_085044_000000342083_00093_39726_1030.N1	05-OCT-2009 08:50:44	Bright	34.000	140	88Gam Peg	2.8340	26000.	68	39726	No
54	GOM_NL__2PRFIN20091005_085810_000000402083_00093_39726_1031.N1	05-OCT-2009 08:58:10	Bright	39.500	53	43Bet And	2.0480	3300.0	79	39726	No
55	GOM_NL__2PRFIN20091005_090313_000000342083_00093_39726_1032.N1	05-OCT-2009 09:03:13	Bright	34.000	68	18Alp Cas	2.2250	4500.0	68	39726	No
56	GOM_NL__2PRFIN20091005_090439_000000342083_00093_39726_1033.N1	05-OCT-2009 09:04:39	Bright	34.000	76	27Gam Cas	2.3000	30000.	68	39726	No
57	GOM_NL__2PRFIN20091005_090800_000000442083_00093_39726_1034.N1	05-OCT-2009 09:08:00	Bright	43.500	160	23Gam Per	2.9300	4700.0	87	39726	No
58	GOM_NL__2PRFIN20091005_094832_000000382083_00093_39726_1035.N1	05-OCT-2009 09:48:32	Dark	37.500	132	15Rho Pup	2.8030	6900.0	75	39726	No
59	GOM_NL__2PRFIN20091005_095225_000000432083_00093_39726_1036.N1	05-OCT-2009 09:52:25	Dark	43.000	88	31Eta CMa	2.4480	20000.	86	39726	No
60	GOM_NL__2PRFIN20091005_101104_000000392083_00094_39727_1084.N1	05-OCT-2009 10:11:04	Straylight	39.000	157	The1Eri	2.9060	9300.0	78	39727	No
61	GOM_NL__2PRFIN20091005_103122_000000312083_00094_39727_1085.N1	05-OCT-2009 10:31:22	Bright	31.000	140	88Gam Peg	2.8340	26000.	62	39727	No
62	GOM_NL__2PRFIN20091005_103846_000000402083_00094_39727_1086.N1	05-OCT-2009 10:38:46	Bright	39.500	53	43Bet And	2.0480	3300.0	79	39727	No
63	GOM_NL__2PRFIN20091005_104349_000000342083_00094_39727_1087.N1	05-OCT-2009 10:43:49	Bright	34.000	68	18Alp Cas	2.2250	4500.0	68	39727	No
64	GOM_NL__2PRFIN20091005_104514_000000342083_00094_39727_1088.N1	05-OCT-2009 10:45:14	Bright	34.000	76	27Gam Cas	2.3000	30000.	68	39727	No
65	GOM_NL__2PRFIN20091005_104835_000000442083_00094_39727_1089.N1	05-OCT-2009 10:48:35	Bright	44.000	160	23Gam Per	2.9300	4700.0	88	39727	No
66	GOM_NL__2PRFIN20091005_112909_000000382083_00094_39727_1090.N1	05-OCT-2009 11:29:09	Dark	37.500	132	15Rho Pup	2.8030	6900.0	75	39727	No
67	GOM_NL__2PRFIN20091005_113302_000000432083_00094_39727_1091.N1	05-OCT-2009 11:33:02	Dark	43.000	88	31Eta CMa	2.4480	20000.	86	39727	No
68	GOM_NL__2PRFIN20091005_115142_000000382083_00095_39728_1137.N1	05-OCT-2009 11:51:42	Straylight	38.000	157	The1Eri	2.9060	9300.0	76	39728	No
69	GOM_NL__2PRFIN20091005_121921_000000402083_00095_39728_1138.N1	05-OCT-2009 12:19:21	Bright	39.500	53	43Bet And	2.0480	3300.0	79	39728	No
70	GOM_NL__2PRFIN20091005_122424_000000342083_00095_39728_1139.N1	05-OCT-2009 12:24:24	Bright	34.000	68	18Alp Cas	2.2250	4500.0	68	39728	No
71	GOM_NL__2PRFIN20091005_122550_000000342083_00095_39728_1140.N1	05-OCT-2009 12:25:50	Bright	33.500	76	27Gam Cas	2.3000	30000.	67	39728	No
72	GOM_NL__2PRFIN20091005_122910_000000442083_00095_39728_1141.N1	05-OCT-2009 12:29:10	Bright	43.500	160	23Gam Per	2.9300	4700.0	87	39728	No
73	GOM_NL__2PRFIN20091005_130946_000000382083_00095_39728_1142.N1	05-OCT-2009 13:09:46	Dark	37.500	132	15Rho Pup	2.8030	6900.0	75	39728	No
74	GOM_NL__2PRFIN20091005_131424_000000482083_00095_39728_1143.N1	05-OCT-2009 13:14:24	Dark	48.000	37	25Del CMa	1.8300	5900.0	96	39728	No
75	GOM_NL__2PRFIN20091005_133218_000000382083_00096_39729_1177.N1	05-OCT-2009 13:32:18	Straylight	38.000	157	The1Eri	2.9060	9300.0	76	39729	No
76	GOM_NL__2PRFIN20091005_135956_000000392083_00096_39729_1178.N1	05-OCT-2009 13:59:56	Bright	39.000	53	43Bet And	2.0480	3300.0	78	39729	No
77	GOM_NL__2PRFIN20091005_140500_000000342083_00096_39729_1179.N1	05-OCT-2009 14:05:00	Bright	34.000	68	18Alp Cas	2.2250	4500.0	68	39729	No
78	GOM_NL__2PRFIN20091005_140625_000000342083_00096_39729_1180.N1	05-OCT-2009 14:06:25	Bright	34.000	76	27Gam Cas	2.3000	30000.	68	39729	No
79	GOM_NL__2PRFIN20091005_140945_000000442083_00096_39729_1181.N1	05-OCT-2009 14:09:45	Bright	43.500	160	23Gam Per	2.9300	4700.0	87	39729	No
80	GOM_NL__2PRFIN20091005_145022_000000382083_00096_39729_1182.N1	05-OCT-2009 14:50:22	Dark	37.500	132	15Rho Pup	2.8030	6900.0	75	39729	No
81	GOM_NL__2PRFIN20091005_145501_000000482083_00096_39729_1183.N1	05-OCT-2009 14:55:01	Dark	48.000	37	25Del CMa	1.8300	5900.0	96	39729	No
82	GOM_NL__2PRFIN20091005_151254_000000382083_00097_39730_1187.N1	05-OCT-2009 15:12:54	Straylight	38.000	157	The1Eri	2.9060	9300.0	76	39730	No
83	GOM_NL__2PRFIN20091005_154032_000000392083_00097_39730_1188.N1	05-OCT-2009 15:40:32	Bright	39.000	53	43Bet And	2.0480	3300.0	78	39730	No
84	GOM_NL__2PRFIN20091005_154536_000000342083_00097_39730_1189.N1	05-OCT-2009 15:45:36	Bright	34.000	68	18Alp Cas	2.2250	4500.0	68	39730	No
85	GOM_NL__2PRFIN20091005_154701_000000342083_00097_39730_1190.N1	05-OCT-2009 15:47:01	Bright	34.000	76	27Gam Cas	2.3000	30000.	68	39730	No
86	GOM_NL__2PRFIN20091005_155021_000000432083_00097_39730_1191.N1	05-OCT-2009 15:50:21	Bright	43.000	160	23Gam Per	2.9300	4700.0	86	39730	No
87	GOM_NL__2PRFIN20091005_163059_000000382083_00097_39730_1192.N1	05-OCT-2009 16:30:59	Dark	37.500	132	15Rho Pup	2.8030	6900.0	75	39730	No
88	GOM_NL__2PRFIN20091005_163453_000000432083_00097_39730_1193.N1	05-OCT-2009 16:34:53	Dark	43.000	88	31Eta CMa	2.4480	20000.	86	39730	No
89	GOM_NL__2PRFIN20091005_165331_000000382083_00098_39731_1196.N1	05-OCT-2009 16:53:31	Straylight	38.000	157	The1Eri	2.9060	9300.0	76	39731	No
90	GOM_NL__2PRFIN20091005_172107_000000392083_00098_39731_1197.N1	05-OCT-2009 17:21:07	Bright	39.000	53	43Bet And	2.0480	3300.0	78	39731	No
91	GOM_NL__2PRFIN20091005_172611_000000342083_00098_39731_1198.N1	05-OCT-2009 17:26:11	Bright	34.000	68	18Alp Cas	2.2250	4500.0	68	39731	No
92	GOM_NL__2PRFIN20091005_172737_000000342083_00098_39731_1199.N1	05-OCT-2009 17:27:37	Bright	34.000	76	27Gam Cas	2.3000	30000.	68	39731	No
93	GOM_NL__2PRFIN20091005_173056_000000432083_00098_39731_1200.N1	05-OCT-2009 17:30:56	Bright	43.000	160	23Gam Per	2.9300	4700.0	86	39731	No
94	GOM_NL__2PRFIN20091005_181136_000000382083_00098_39731_1201.N1	05-OCT-2009 18:11:36	Dark	37.500	132	15Rho Pup	2.8030	6900.0	75	39731	No
95	GOM_NL__2PRFIN20091005_181530_000000432083_00098_39731_1202.N1	05-OCT-2009 18:15:30	Dark	43.000	88	31Eta CMa	2.4480	20000.	86	39731	No
96	GOM_NL__2PRFIN20091005_183408_000000382083_00099_39732_1205.N1	05-OCT-2009 18:34:08	Straylight	38.000	157	The1Eri	2.9060	9300.0	76	39732	No
97	GOM_NL__2PRFIN20091005_190143_000000392083_00099_39732_1206.N1	05-OCT-2009 19:01:43	Bright	39.000	53	43Bet And	2.0480	3300.0	78	39732	No
98	GOM_NL__2PRFIN20091005_190647_000000342083_00099_39732_1207.N1	05-OCT-2009 19:06:47	Bright	34.000	68	18Alp Cas	2.2250	4500.0	68	39732	No
99	GOM_NL__2PRFIN20091005_190812_000000342083_00099_39732_1208.N1	05-OCT-2009 19:08:12	Bright	34.000	76	27Gam Cas	2.3000	30000.	68	39732	No
100	GOM_NL__2PRFIN20091005_191131_000000442083_00099_39732_1209.N1	05-OCT-2009 19:11:31	Bright	43.500	160	23Gam Per	2.9300	4700.0	87	39732	No
101	GOM_NL__2PRFIN20091005_195213_000000382083_00099_39732_1210.N1	05-OCT-2009 19:52:13	Dark	38.000	132	15Rho Pup	2.8030	6900.0	76	39732	No

102	GOM_NL__2PRFIN20091005_195607_000000442083_00099_39732_1211.N1	05-OCT-2009 19:56:07	Dark	43.500	88	31Eta CMa	2.4480	20000.	87	39732	No
103	GOM_NL__2PRFIN20091005_201444_000000382083_00100_39733_1214.N1	05-OCT-2009 20:14:44	Straylight	38.000	157	The1Eri	2.9060	9300.0	76	39733	No
104	GOM_NL__2PRFIN20091005_204218_000000392083_00100_39733_1215.N1	05-OCT-2009 20:42:18	Bright	38.500	53	43Bet And	2.0480	3300.0	77	39733	No
105	GOM_NL__2PRFIN20091005_204723_000000342083_00100_39733_1216.N1	05-OCT-2009 20:47:23	Bright	33.500	68	18Alp Cas	2.2250	4500.0	67	39733	No
106	GOM_NL__2PRFIN20091005_204848_000000332083_00100_39733_1217.N1	05-OCT-2009 20:48:48	Bright	33.000	76	27Gam Cas	2.3000	30000.	66	39733	No
107	GOM_NL__2PRFIN20091005_205206_000000422083_00100_39733_1218.N1	05-OCT-2009 20:52:06	Bright	42.000	160	23Gam Per	2.9300	4700.0	84	39733	No
108	GOM_NL__2PRFIN20091005_213644_000000432083_00100_39733_1219.N1	05-OCT-2009 21:36:44	Dark	43.000	88	31Eta CMa	2.4480	20000.	86	39733	No
109	GOM_NL__2PRFIN20091005_215521_000000382083_00101_39734_1223.N1	05-OCT-2009 21:55:21	Straylight	38.000	157	The1Eri	2.9060	9300.0	76	39734	No
110	GOM_NL__2PRFIN20091005_222253_000000392083_00101_39734_1224.N1	05-OCT-2009 22:22:53	Bright	38.500	53	43Bet And	2.0480	3300.0	77	39734	No
111	GOM_NL__2PRFIN20091005_222758_000000342083_00101_39734_1225.N1	05-OCT-2009 22:27:58	Bright	33.500	68	18Alp Cas	2.2250	4500.0	67	39734	No
112	GOM_NL__2PRFIN20091005_222923_000000332083_00101_39734_1226.N1	05-OCT-2009 22:29:23	Bright	33.000	76	27Gam Cas	2.3000	30000.	66	39734	No
113	GOM_NL__2PRFIN20091005_223241_000000422083_00101_39734_1227.N1	05-OCT-2009 22:32:41	Bright	42.000	160	23Gam Per	2.9300	4700.0	84	39734	No
114	GOM_NL__2PRFIN20091005_231327_000000372083_00101_39734_1228.N1	05-OCT-2009 23:13:27	Dark	37.000	132	15Rho Pup	2.8030	6900.0	74	39734	No
115	GOM_NL__2PRFIN20091005_231721_000000432083_00101_39734_1229.N1	05-OCT-2009 23:17:21	Dark	42.500	88	31Eta CMa	2.4480	20000.	85	39734	No
116	GOM_NL__2PRFIN20091005_233557_000000382083_00102_39735_1232.N1	05-OCT-2009 23:35:57	Straylight	38.000	157	The1Eri	2.9060	9300.0	76	39735	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.

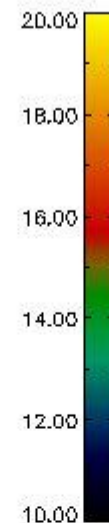
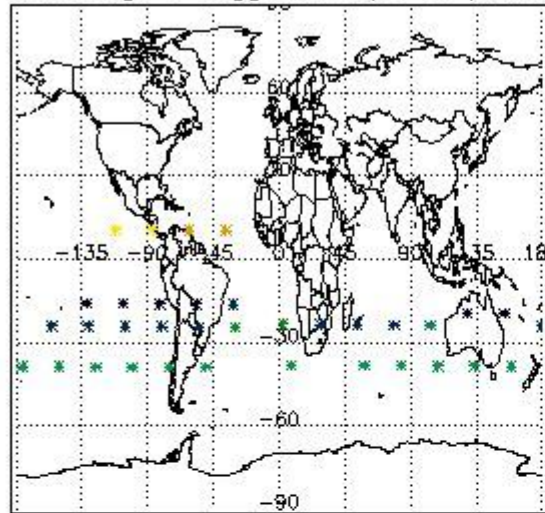
#### 3.1 Plot quality information per product (time dependant)



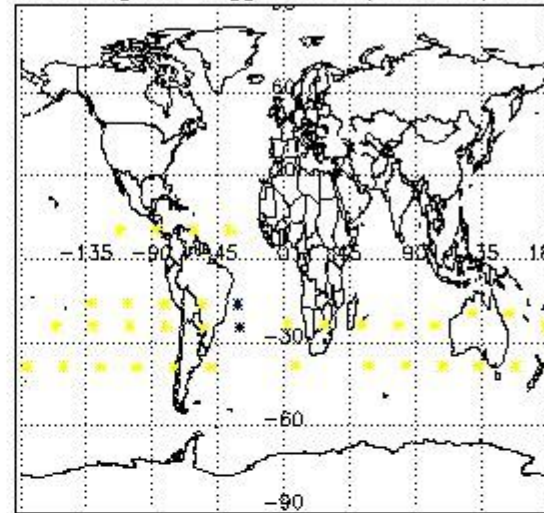


### 3.2 Plot quality information per product (world map)

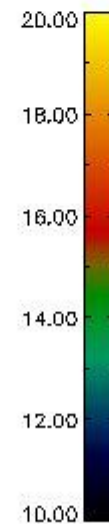
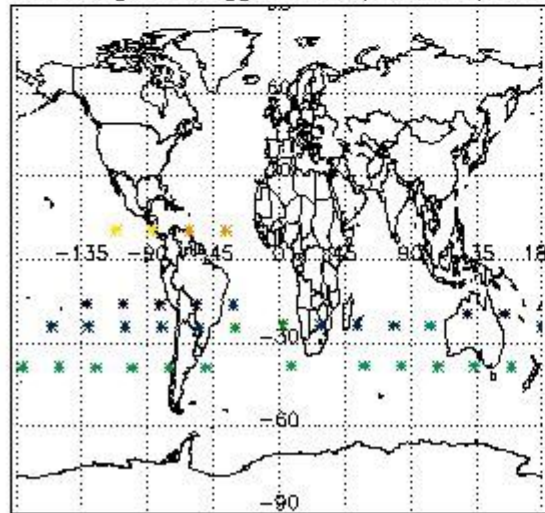
Percentage of flagged data per O3 profile



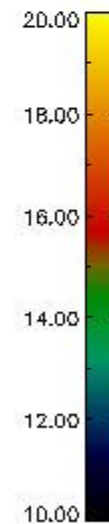
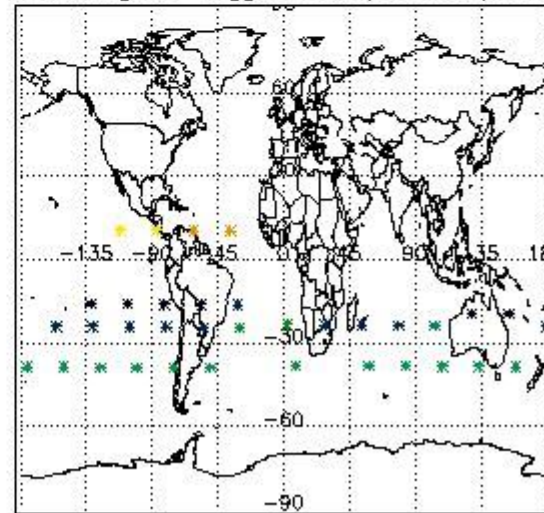
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile



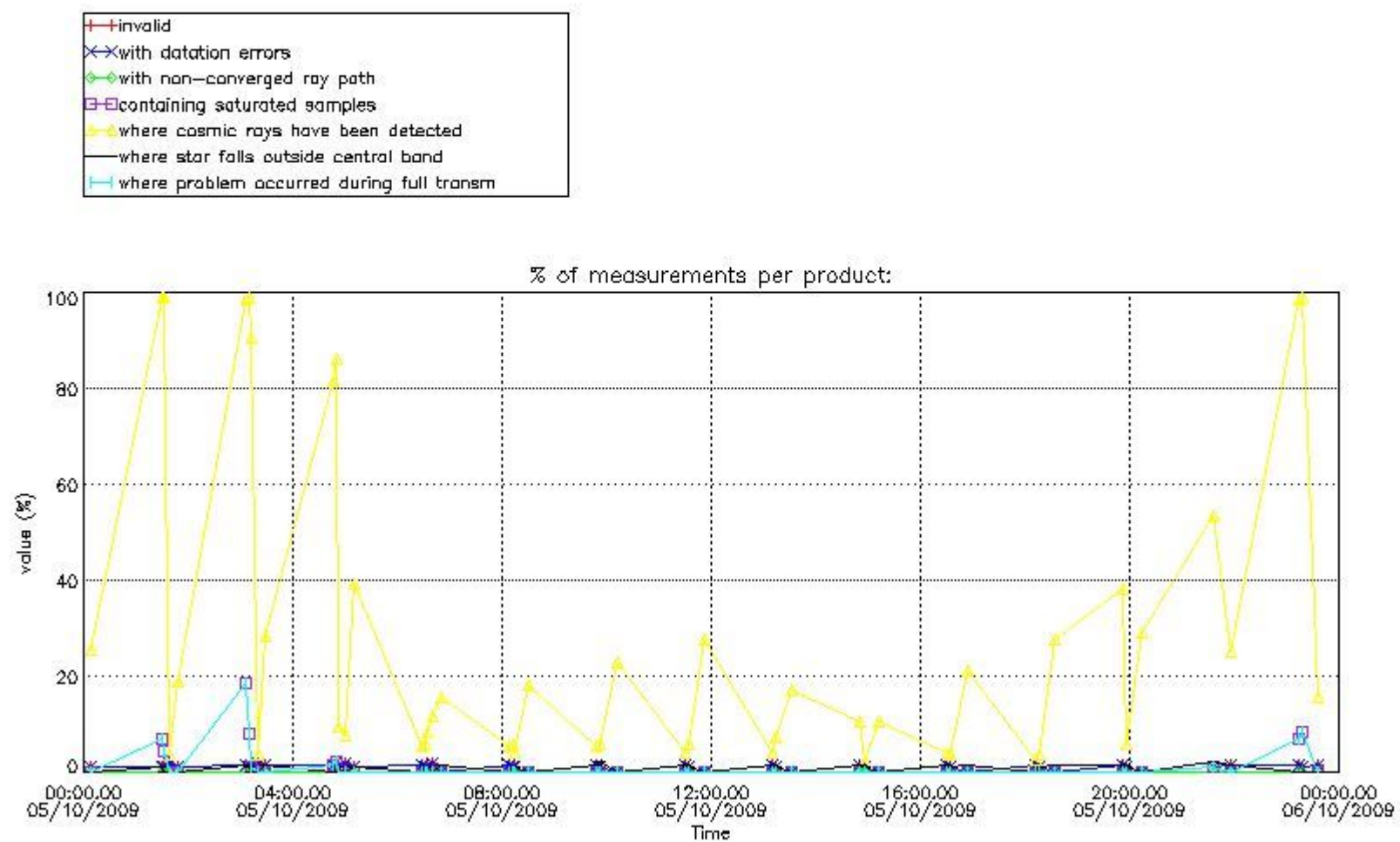
### 4. Level 1 quality information per product

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.

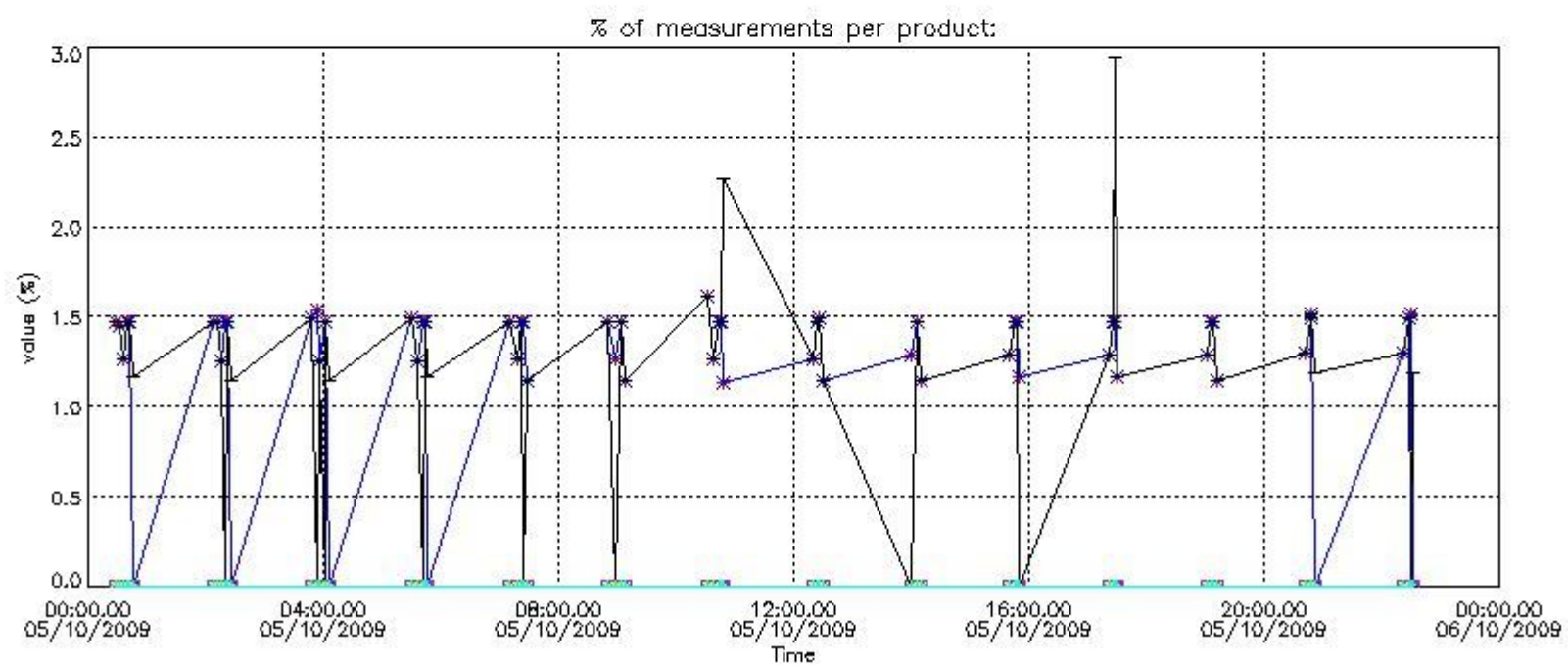
#### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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





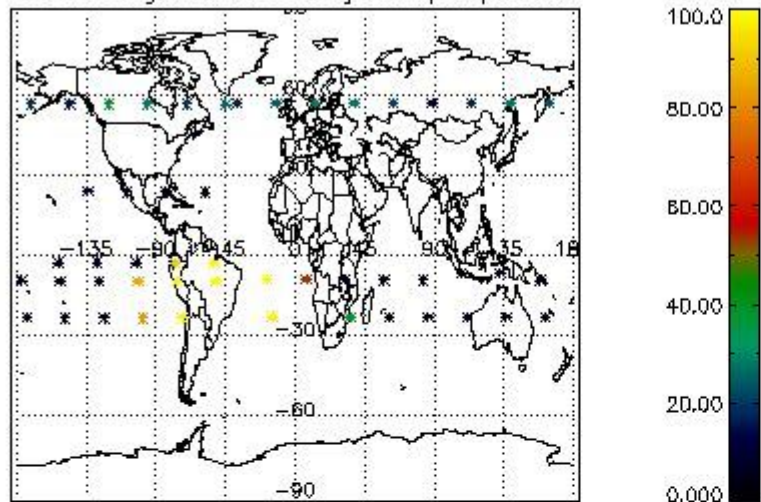
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



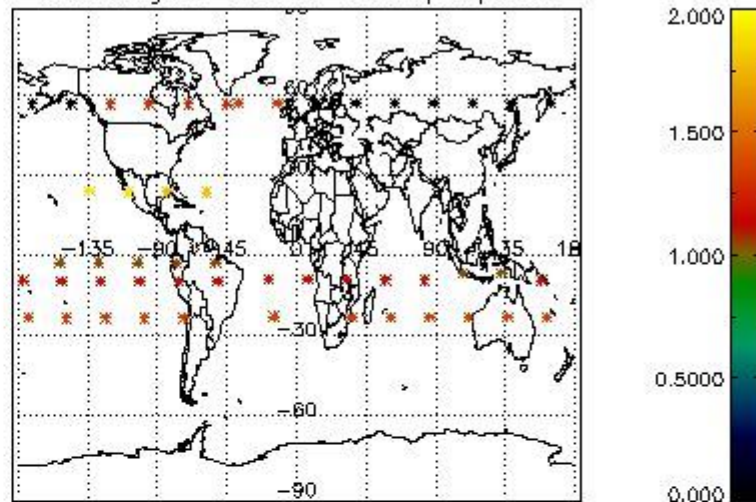
4.2 Plot quality information per product coming from level 1b processing (world map)

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

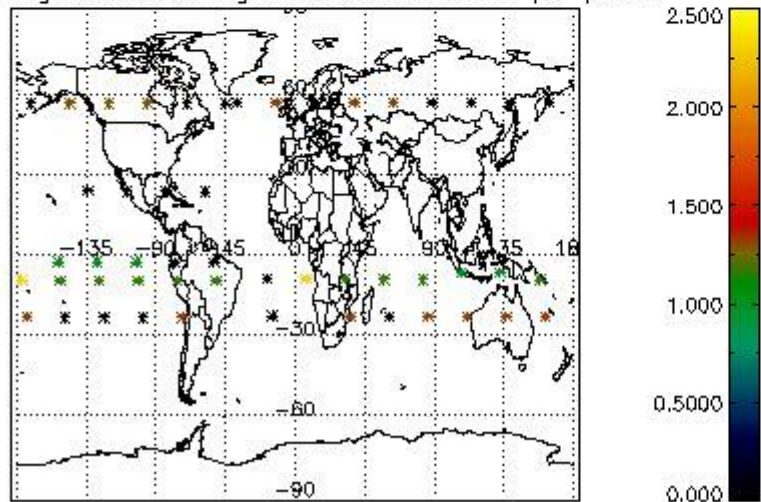
Percentage of cosmic ray hits per profile



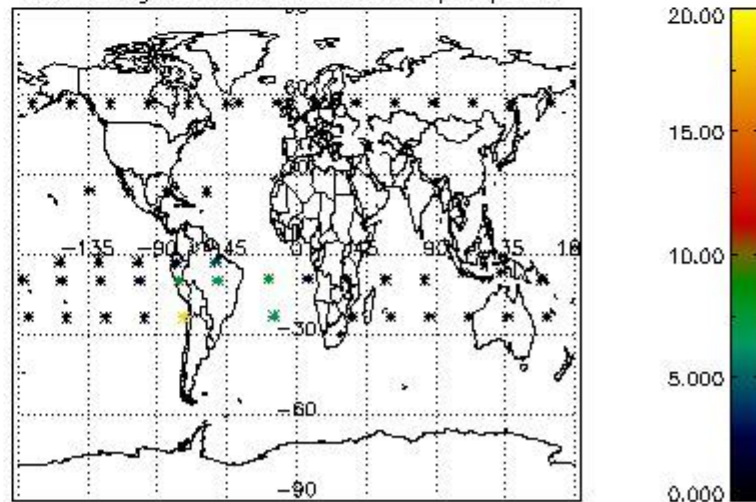
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

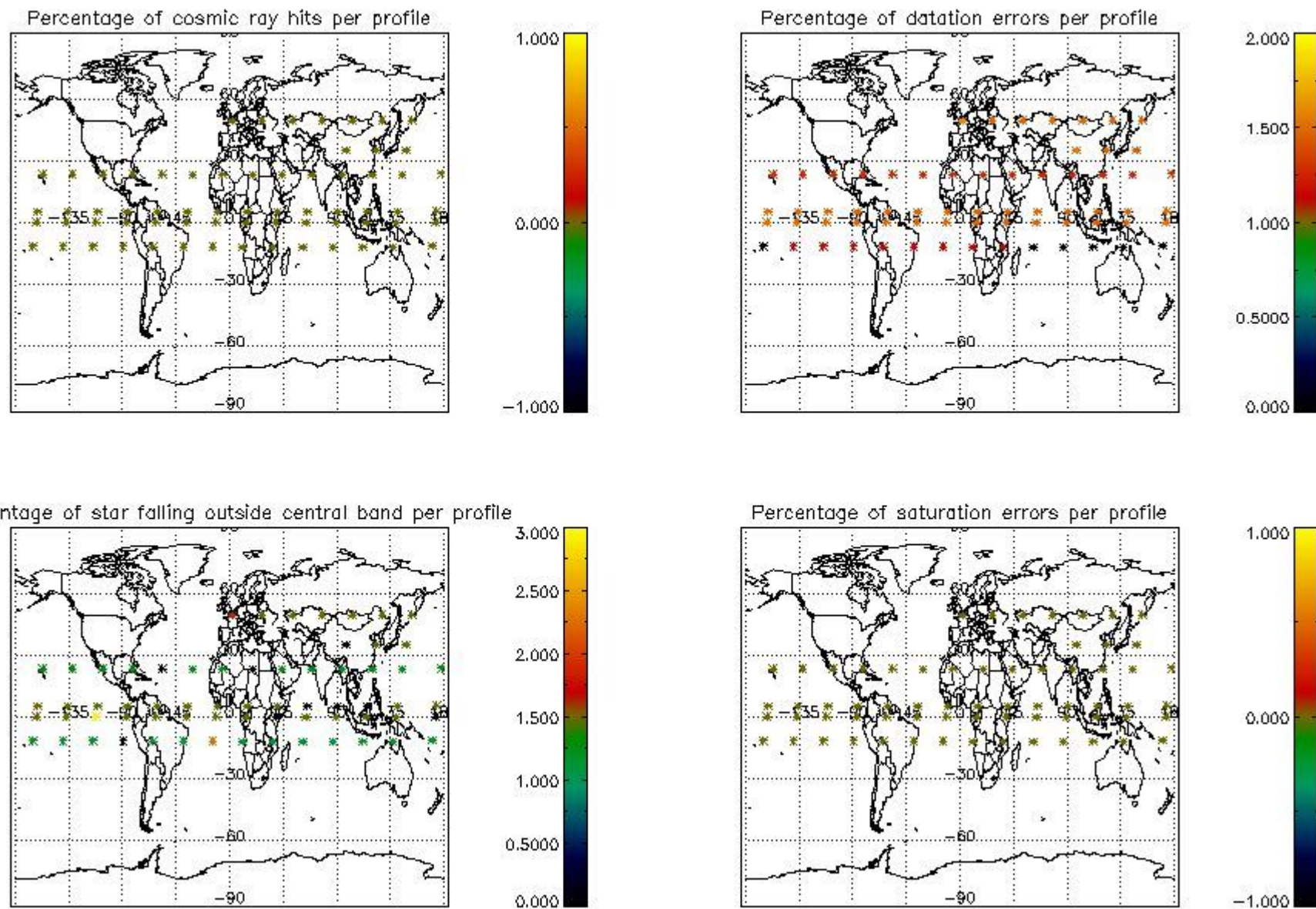


Percentage of saturation errors per profile



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.

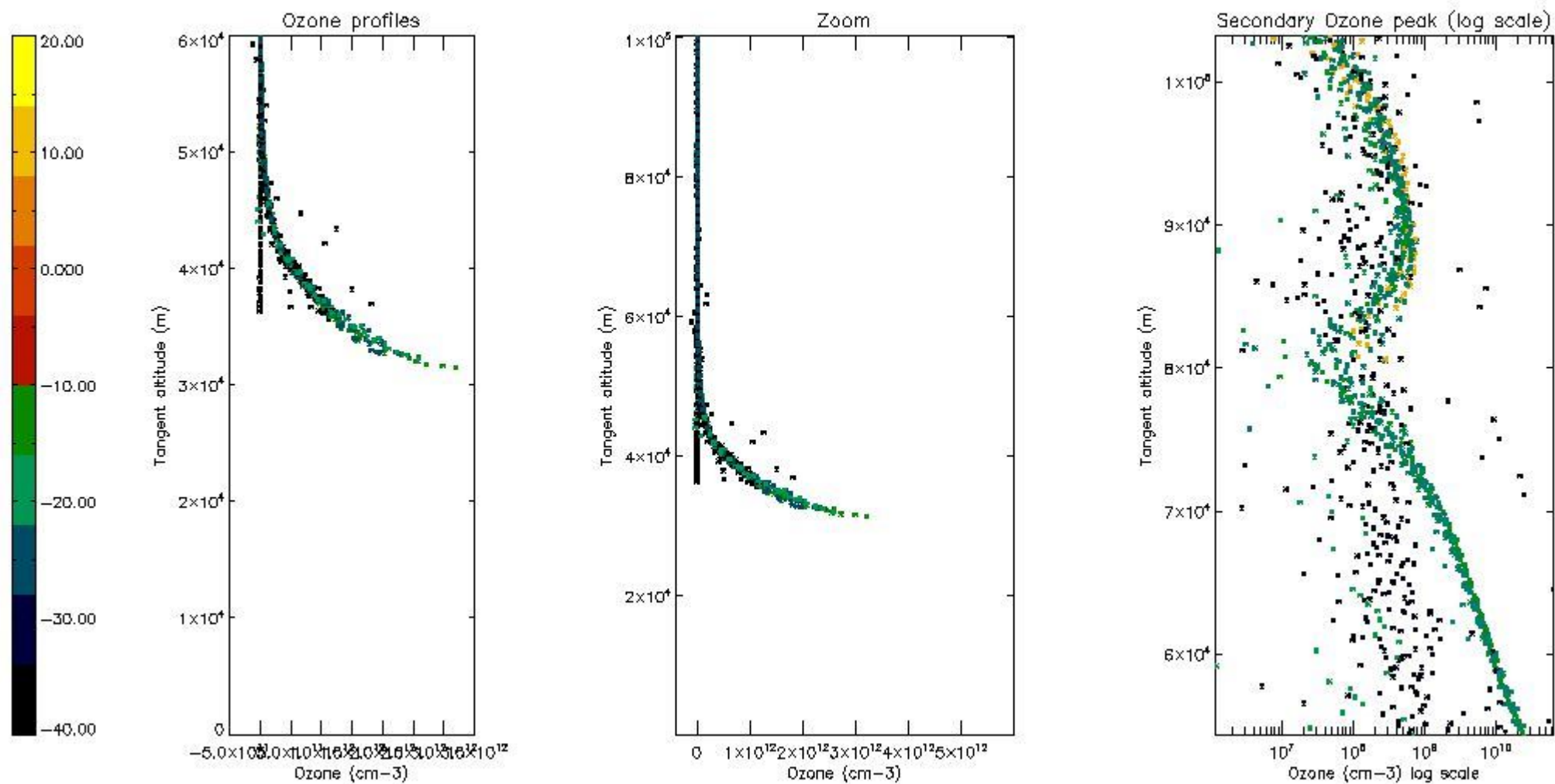
Criteria	% of total production
All STD	32
STD < 20	13



STD < 10	10
STD < 5	8

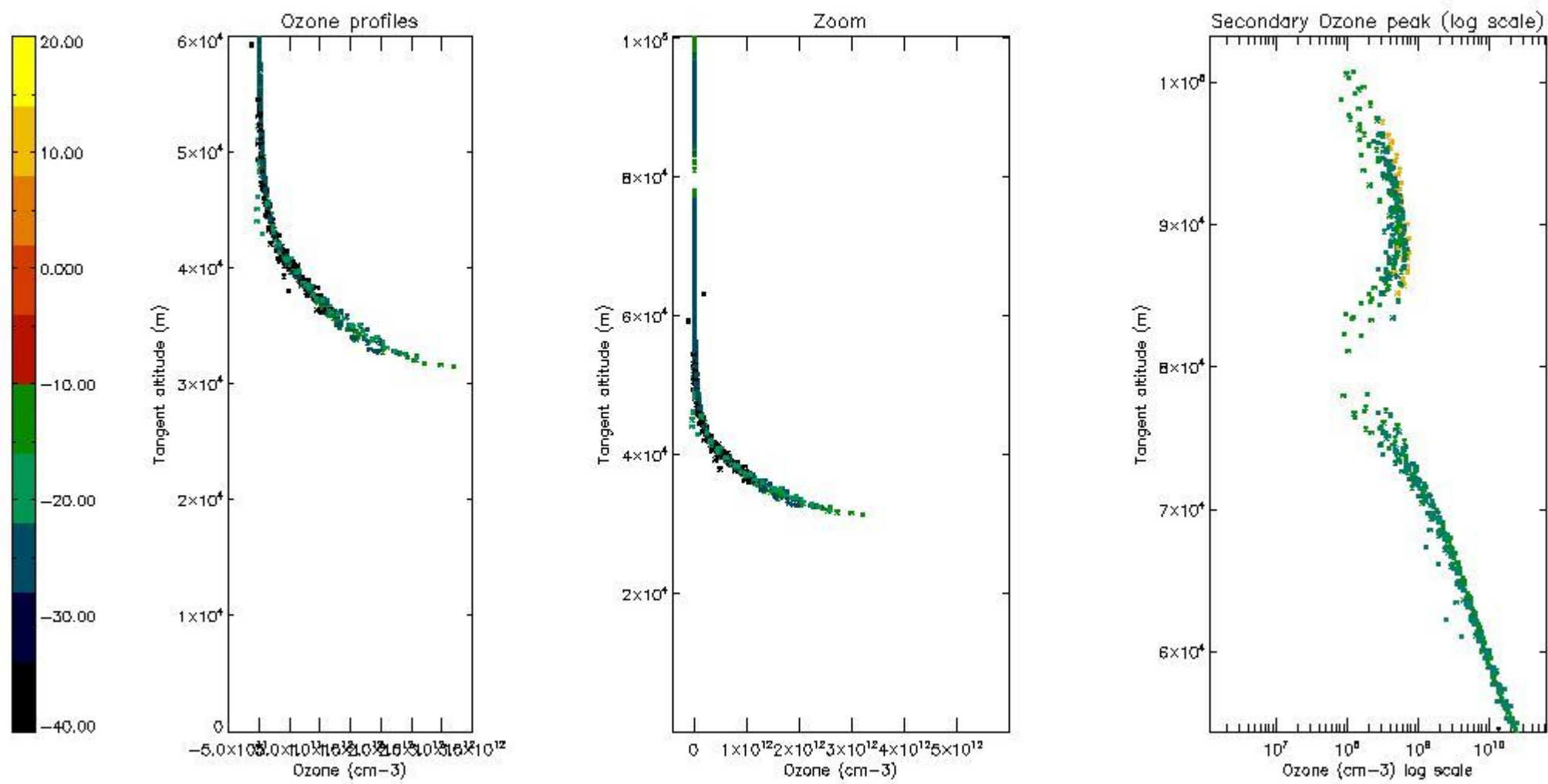
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



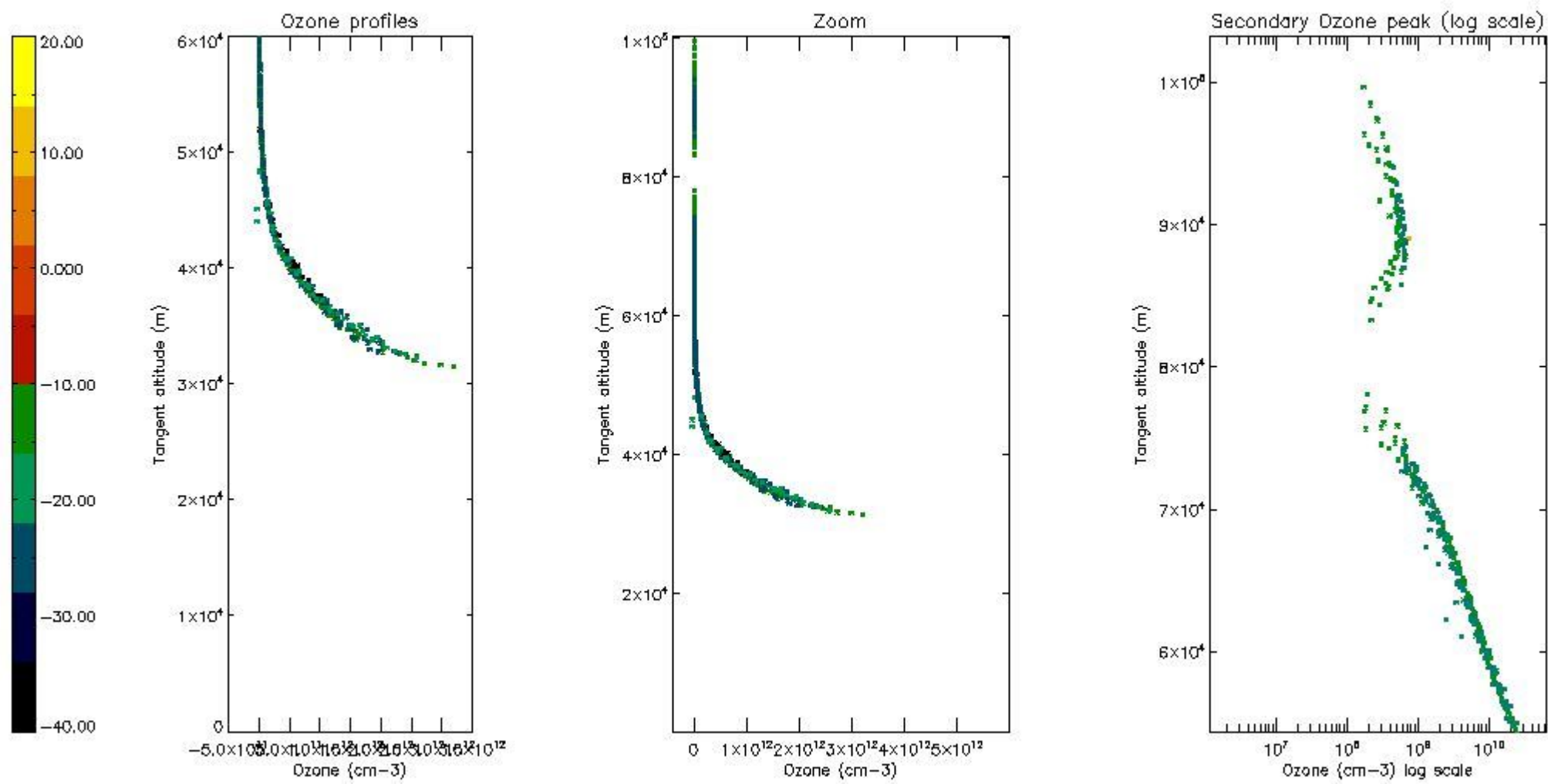
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



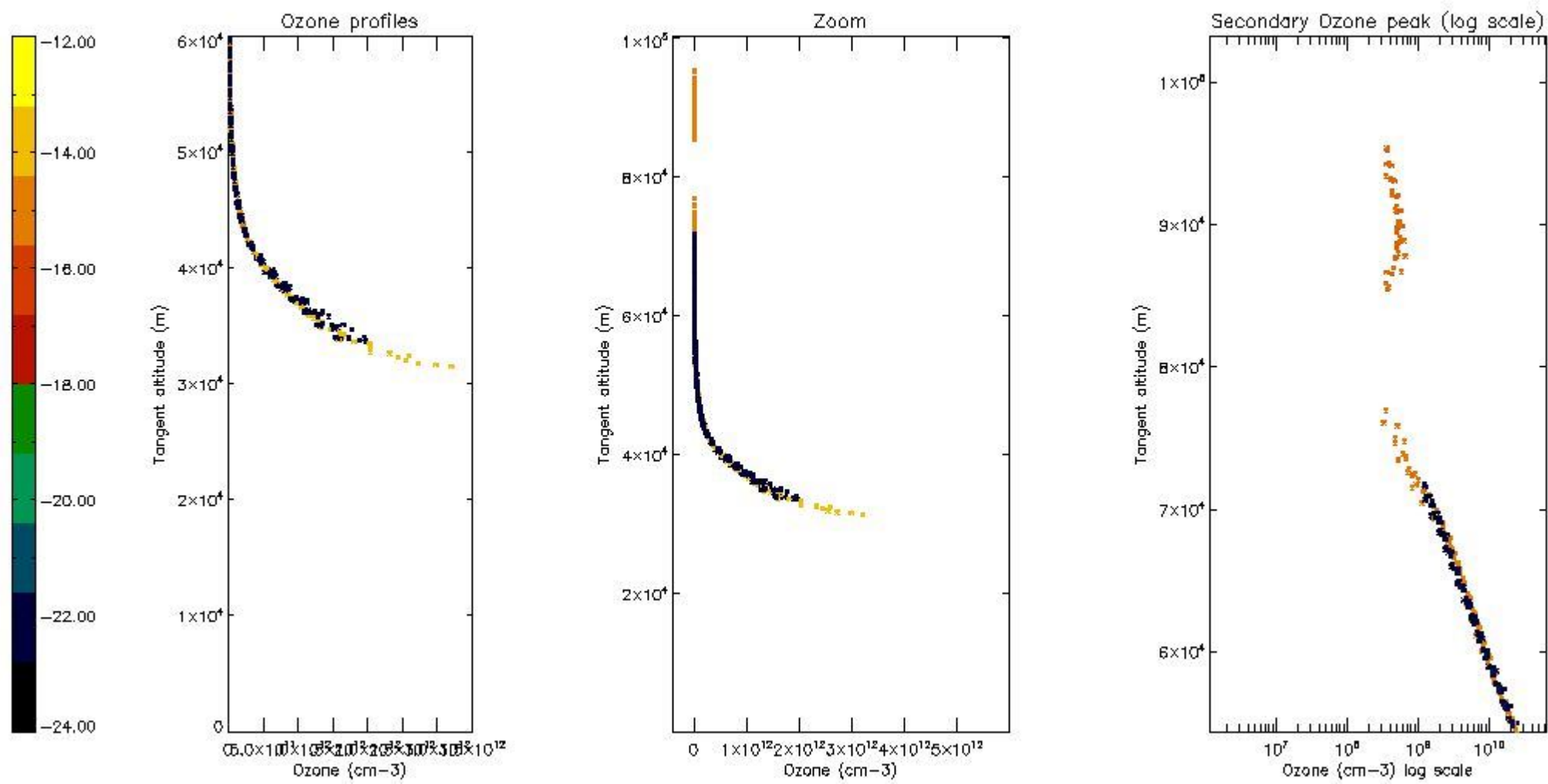
5.4 Plot ozone profiles where  $STD < 10\%$  (dark without errors)

The colorbar represents the latitude.



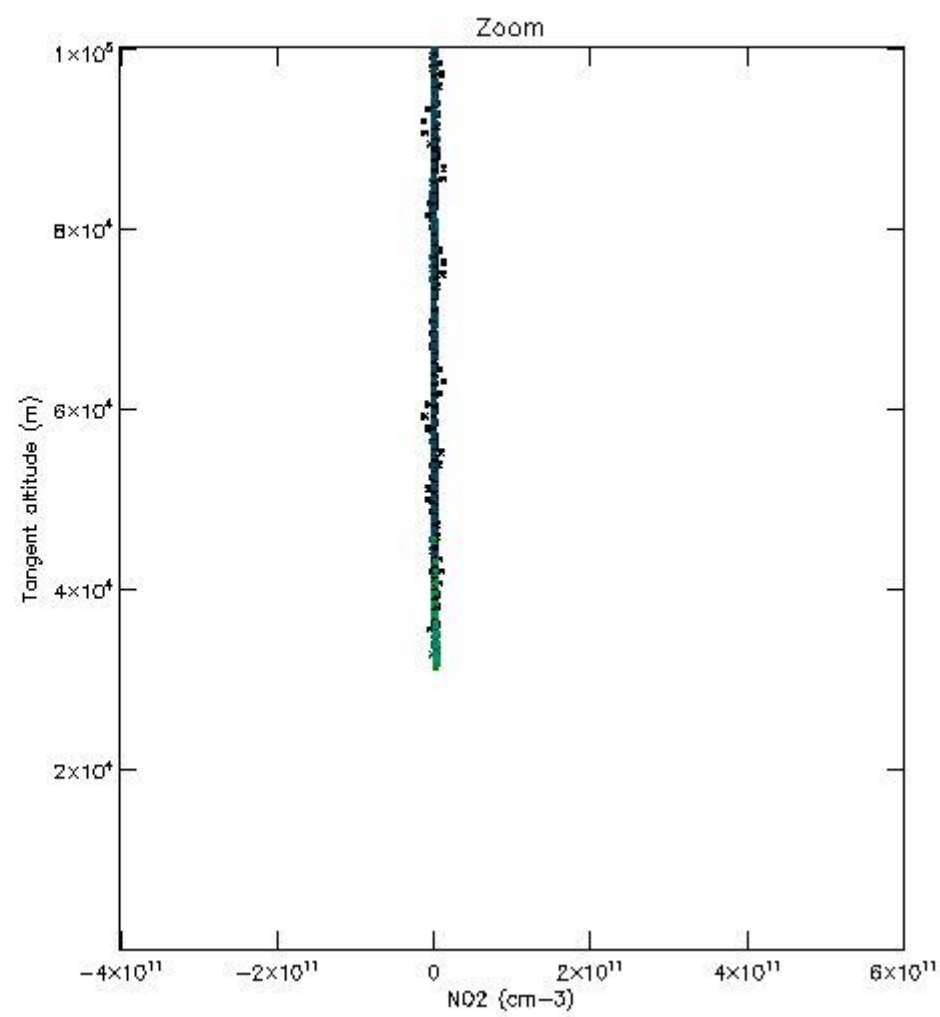
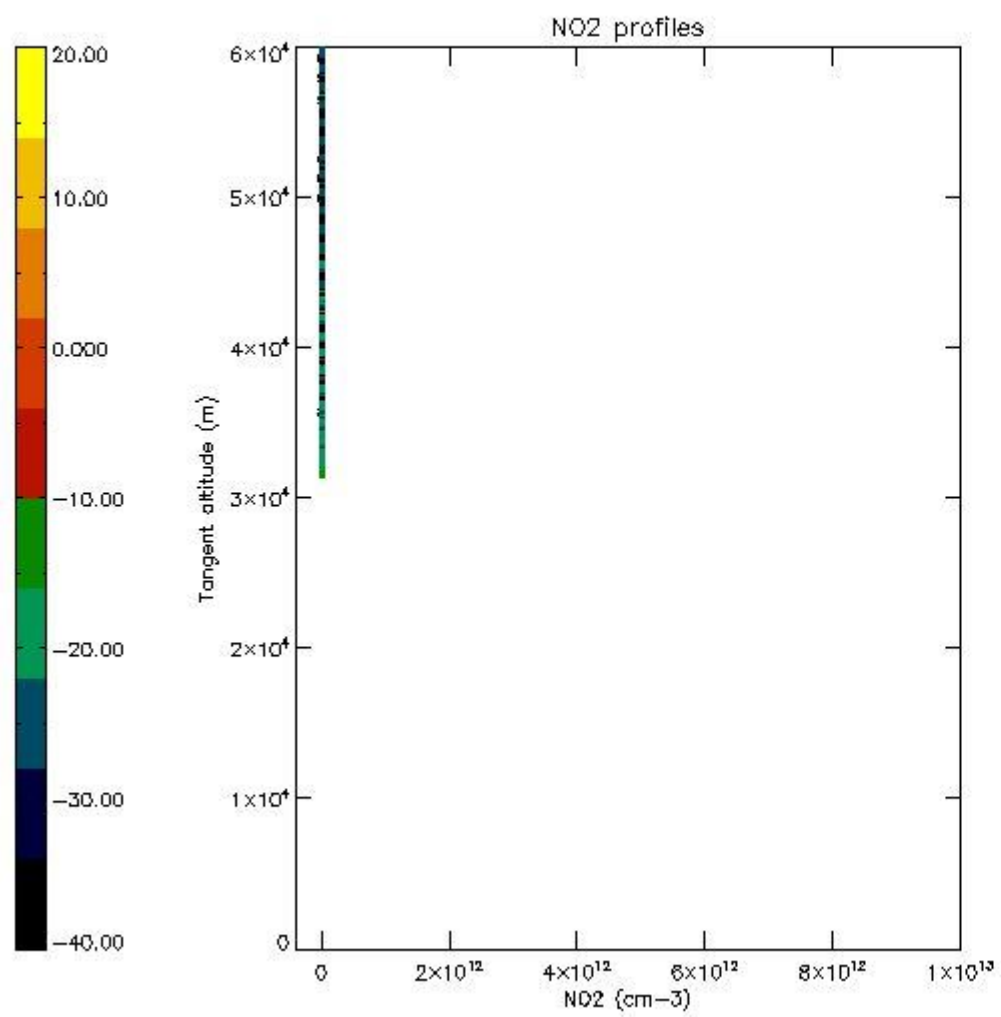
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



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

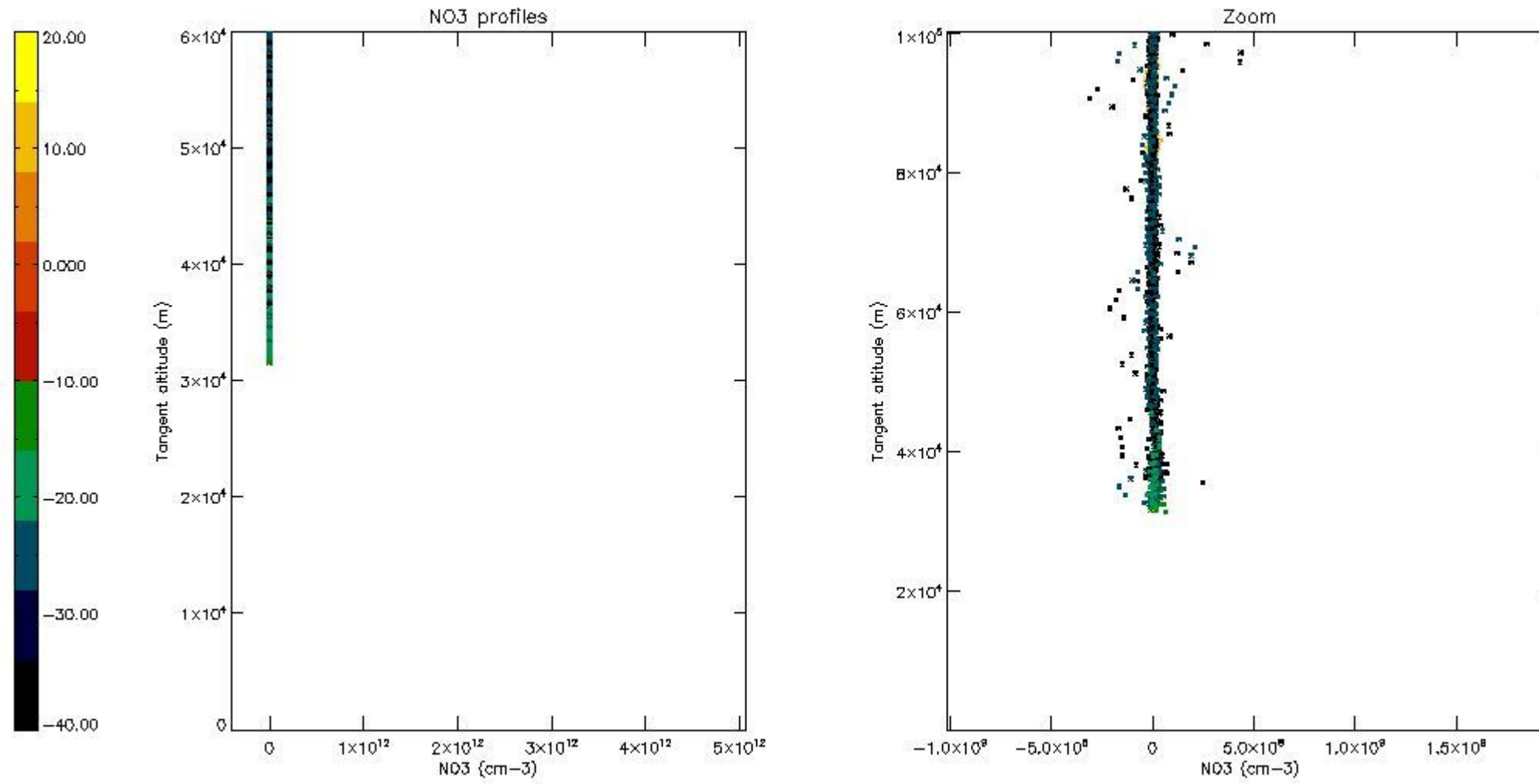
The colorbar represents the latitude.



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

The colorbar represents the latitude.

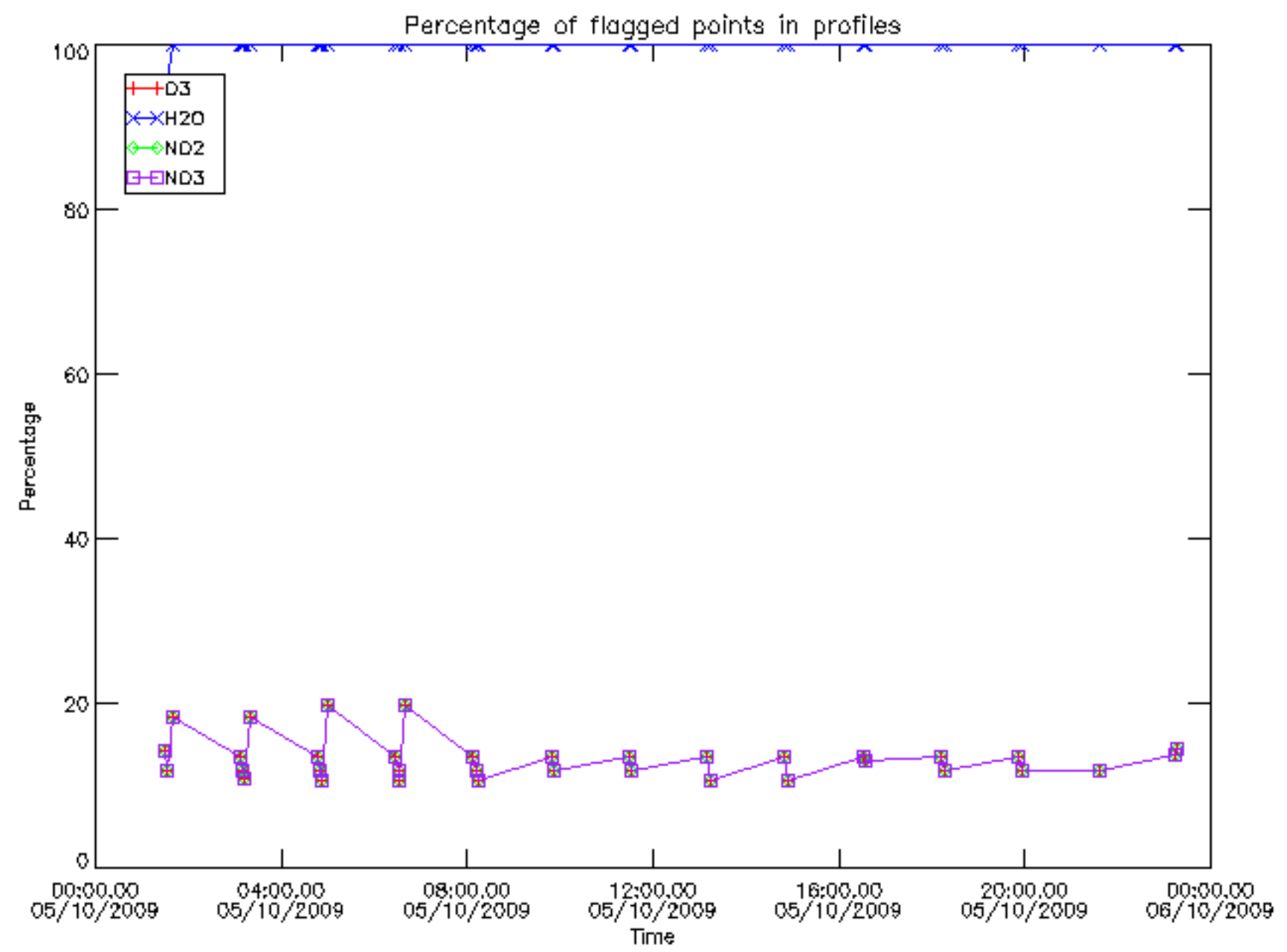




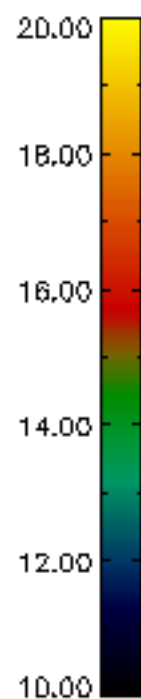
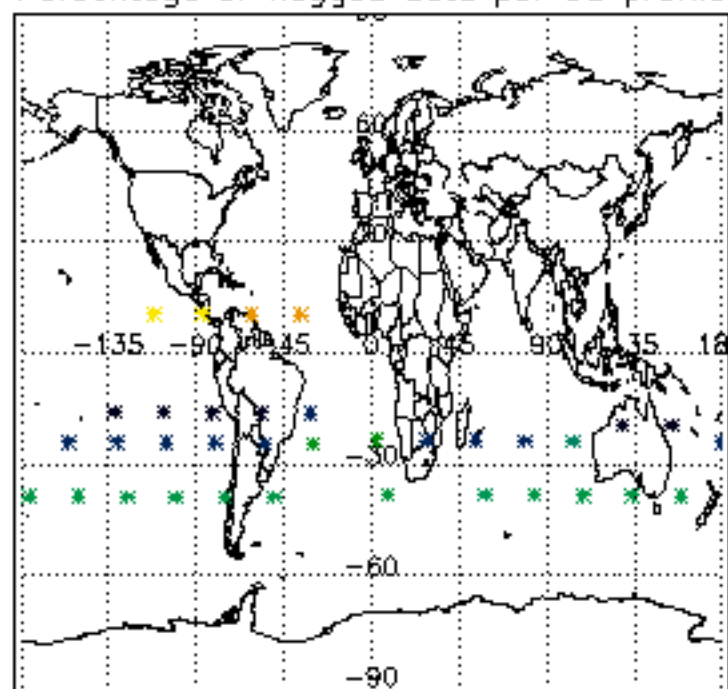
## 6. Auxiliary Data Files used for the production reported in section 2

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

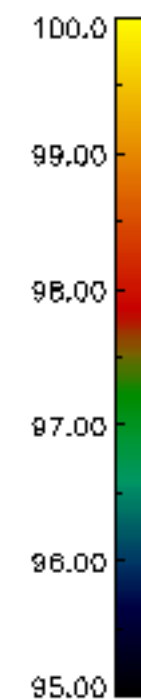
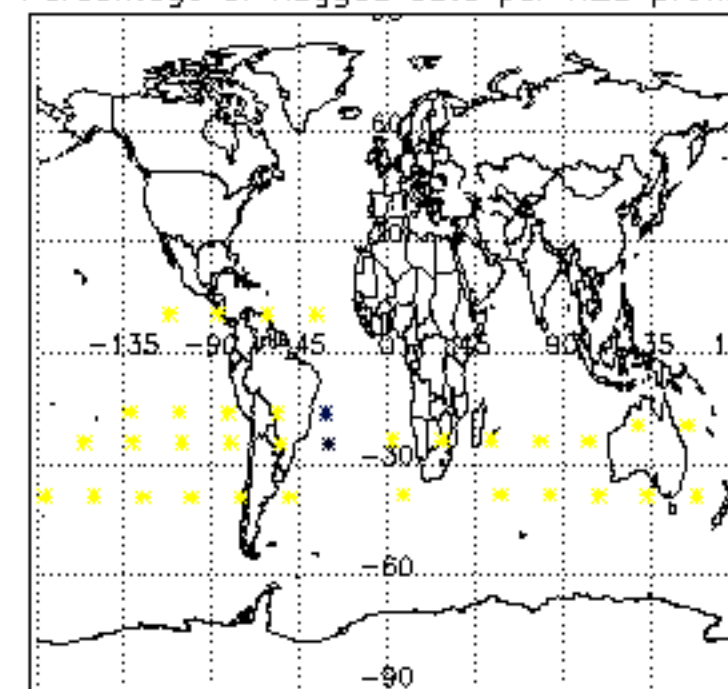
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	05-OCT-2009 00:07:25
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	05-OCT-2009 00:07:25
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	05-OCT-2009 00:07:25



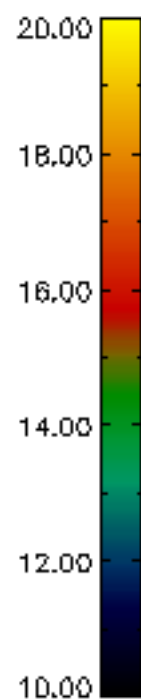
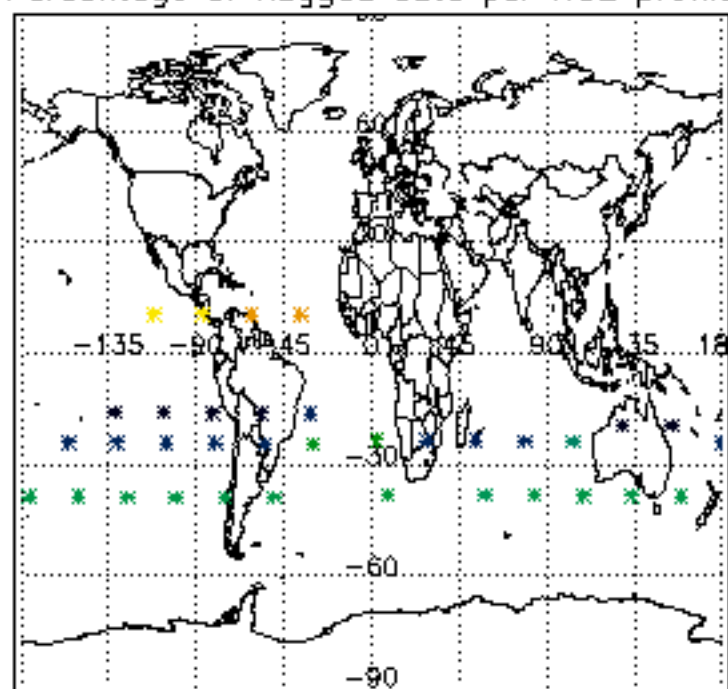
Percentage of flagged data per D3 profile



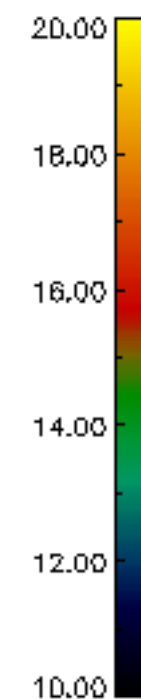
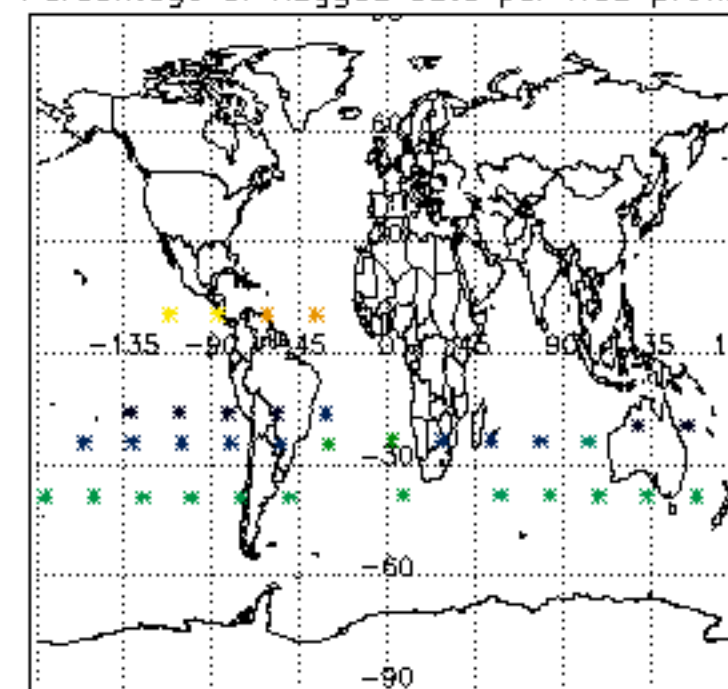
Percentage of flagged data per H2O profile

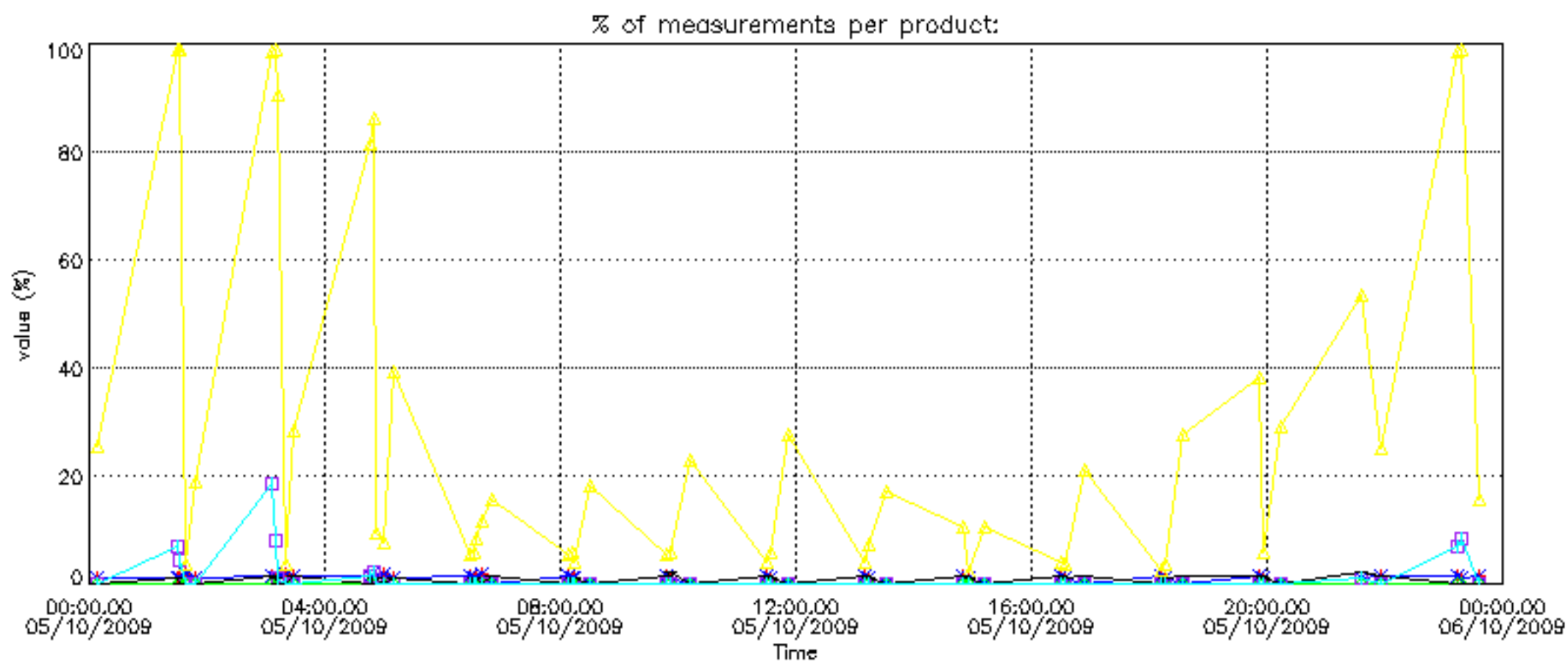


Percentage of flagged data per NO2 profile

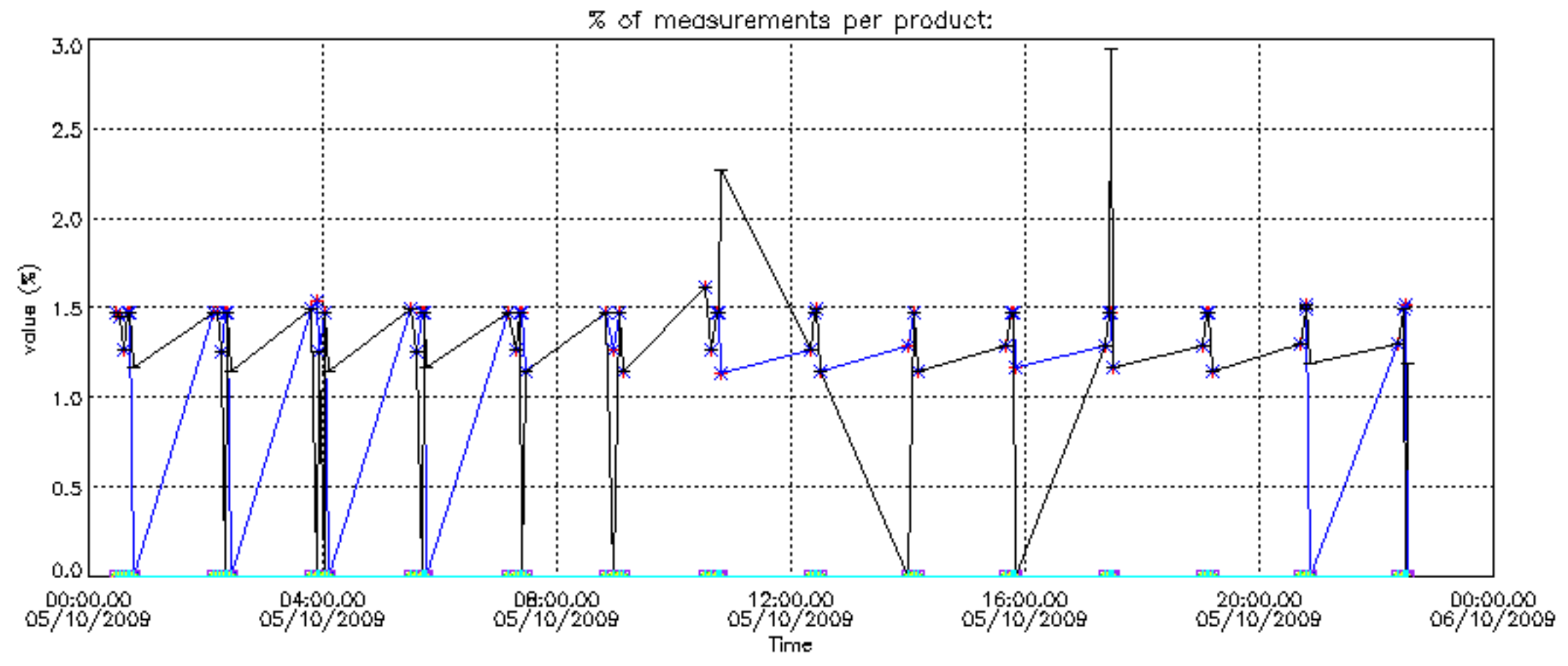


Percentage of flagged data per NO3 profile

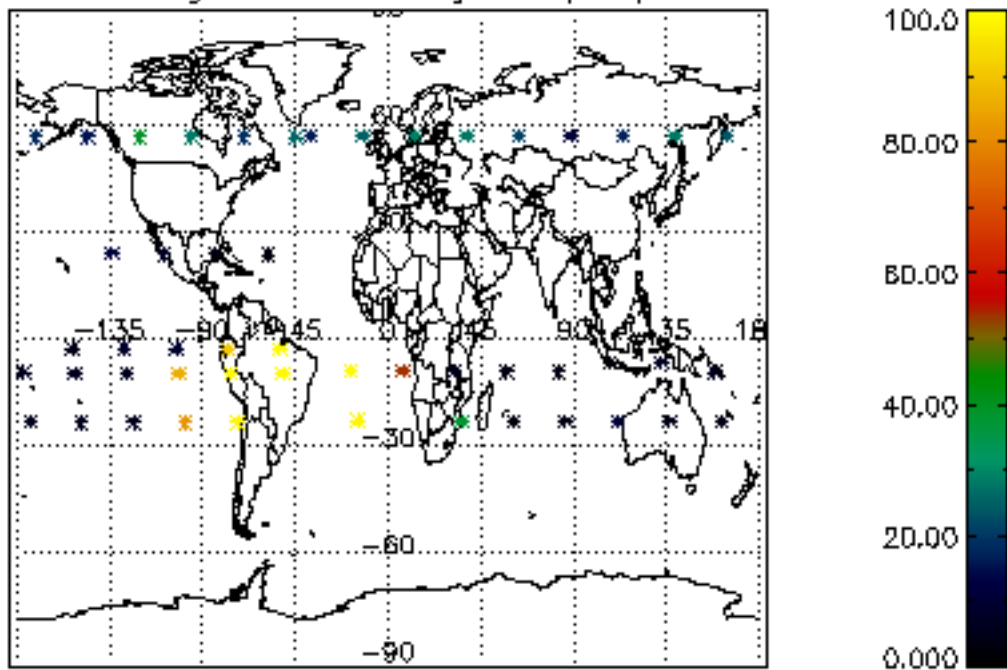




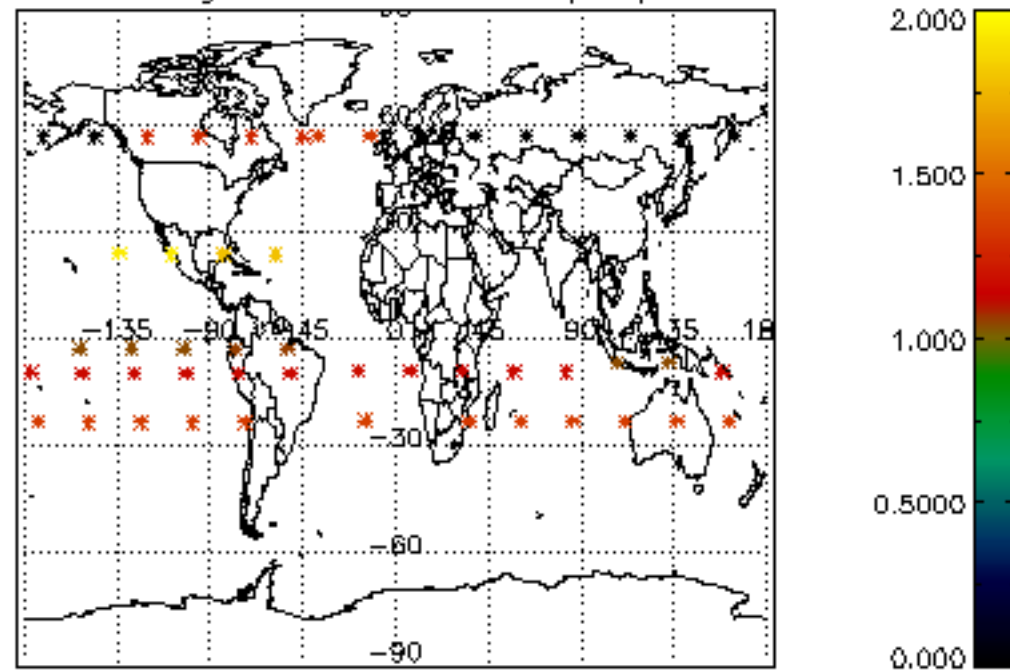




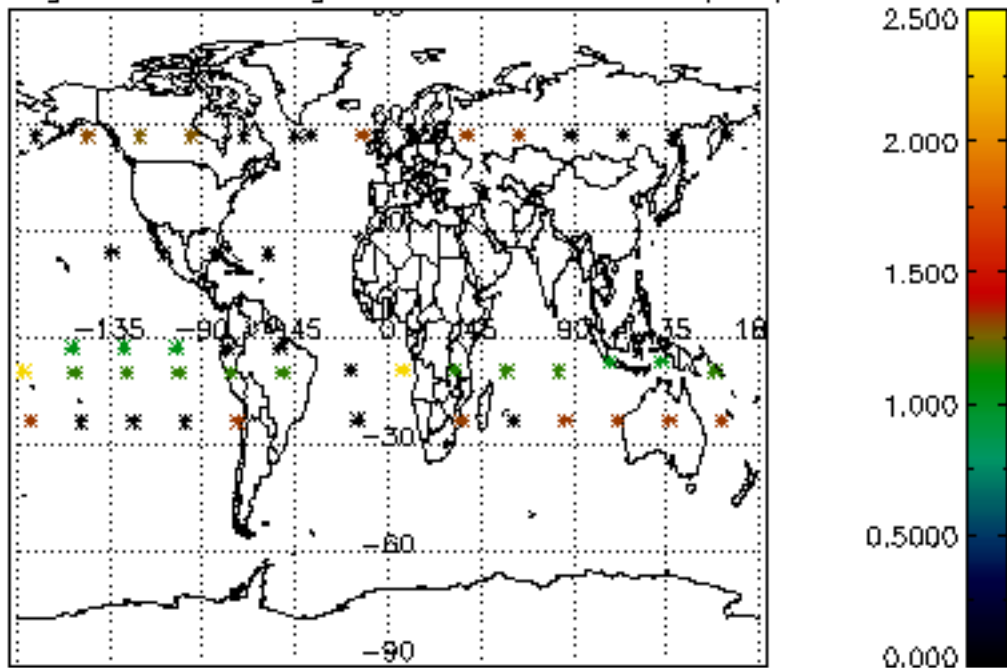
Percentage of cosmic ray hits per profile



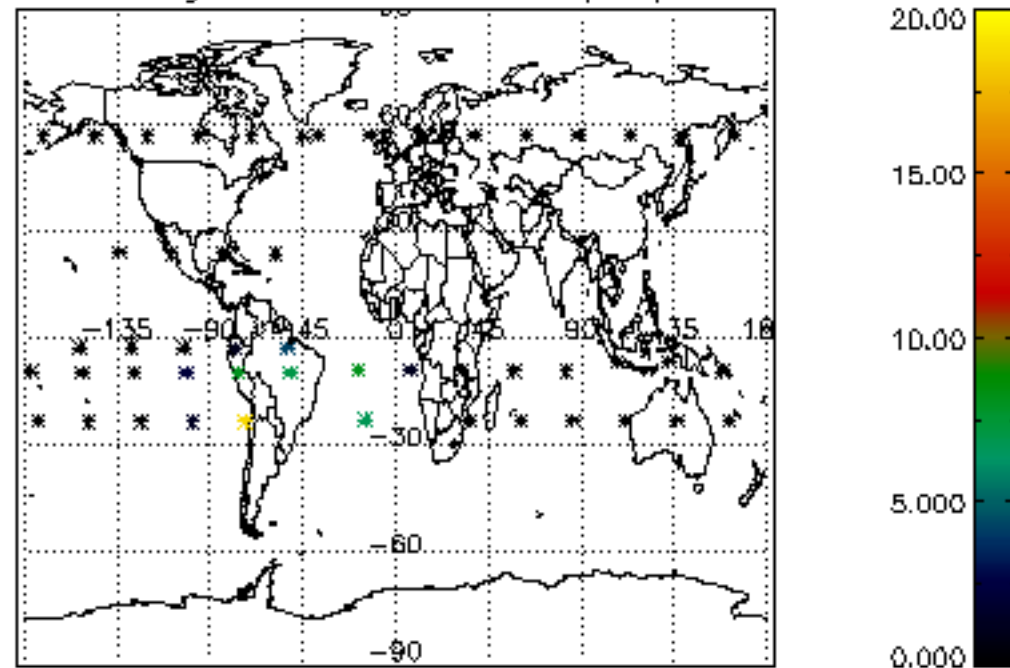
Percentage of datation errors per profile



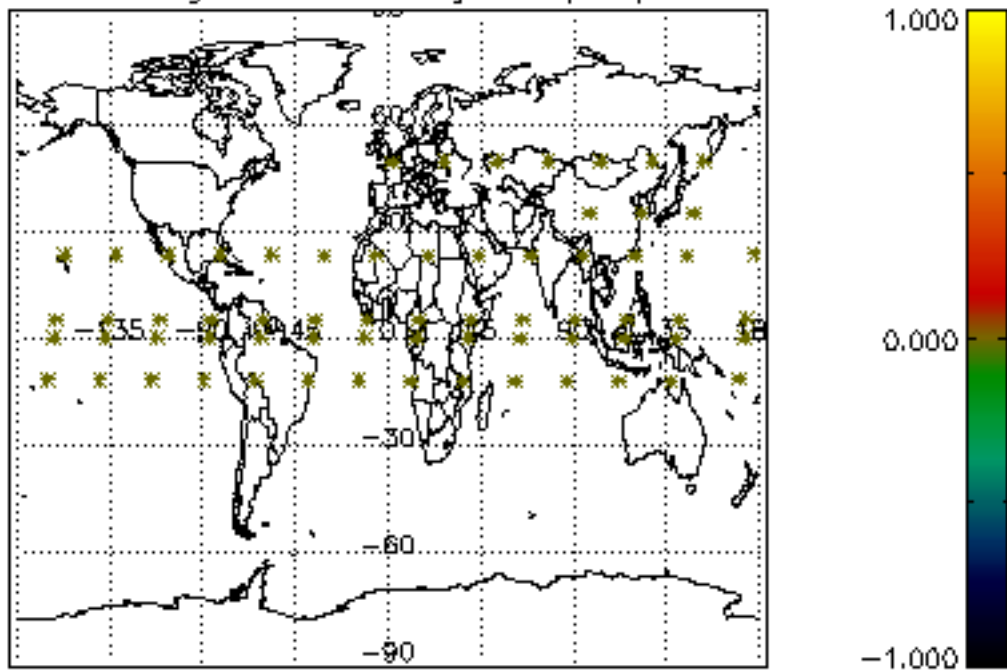
Percentage of star falling outside central band per profile



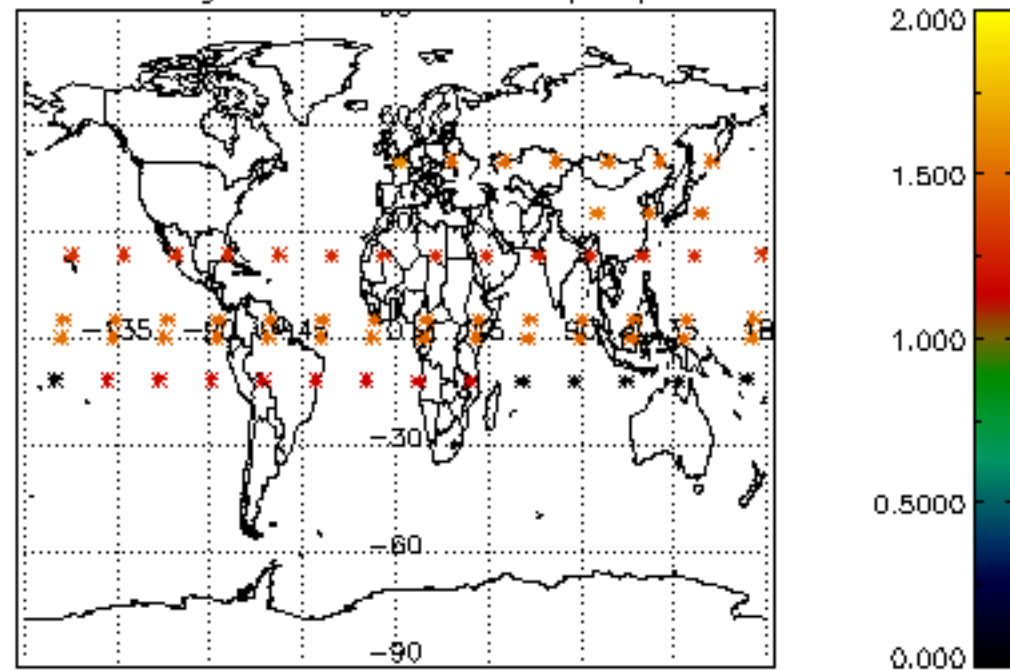
Percentage of saturation errors per profile



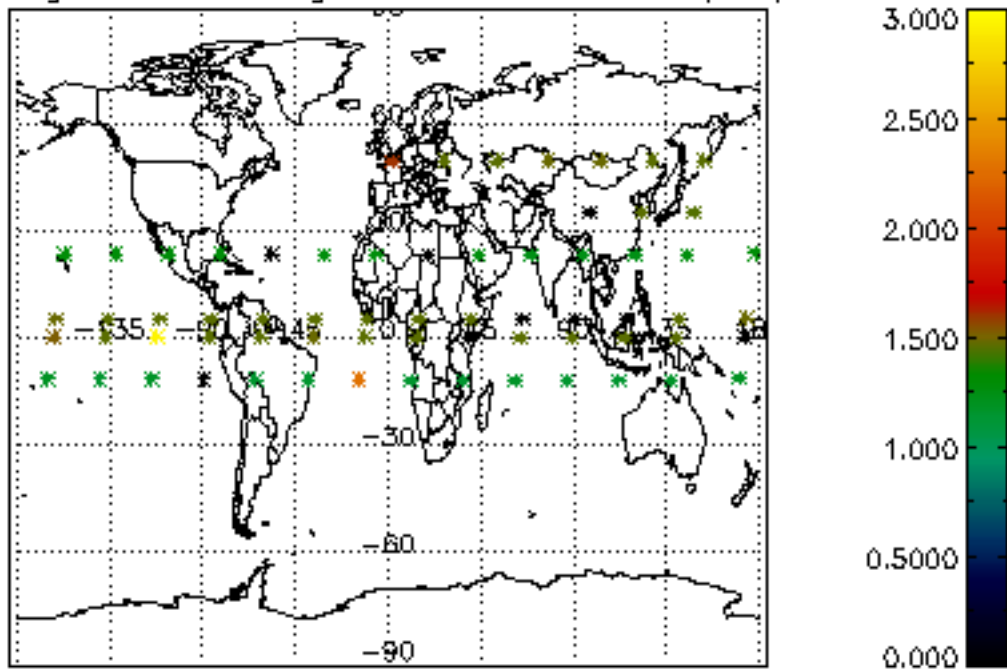
Percentage of cosmic ray hits per profile



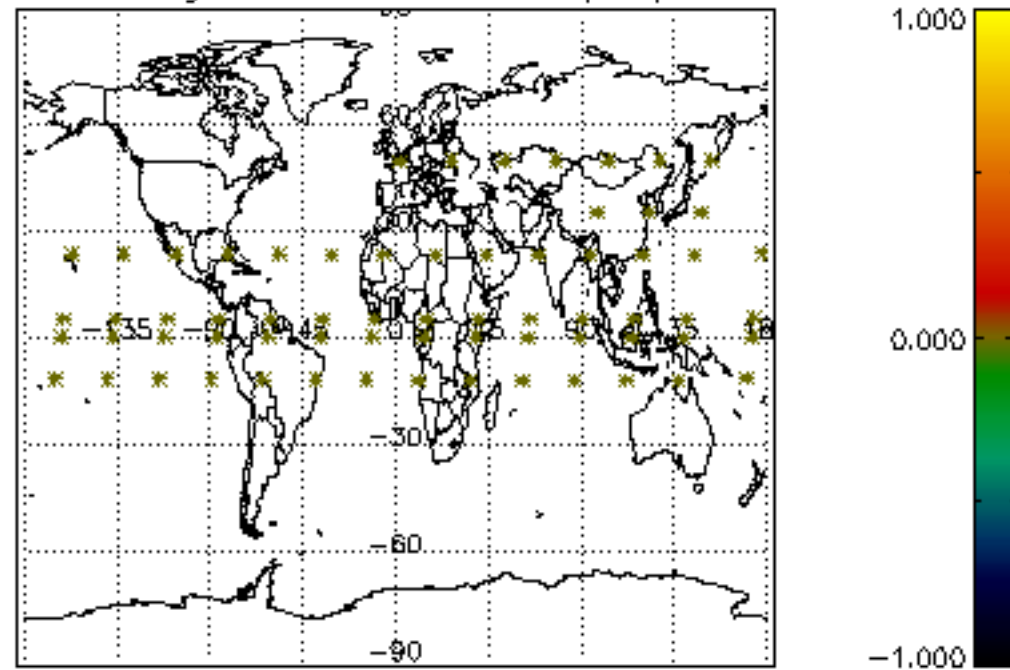
Percentage of datation errors per profile

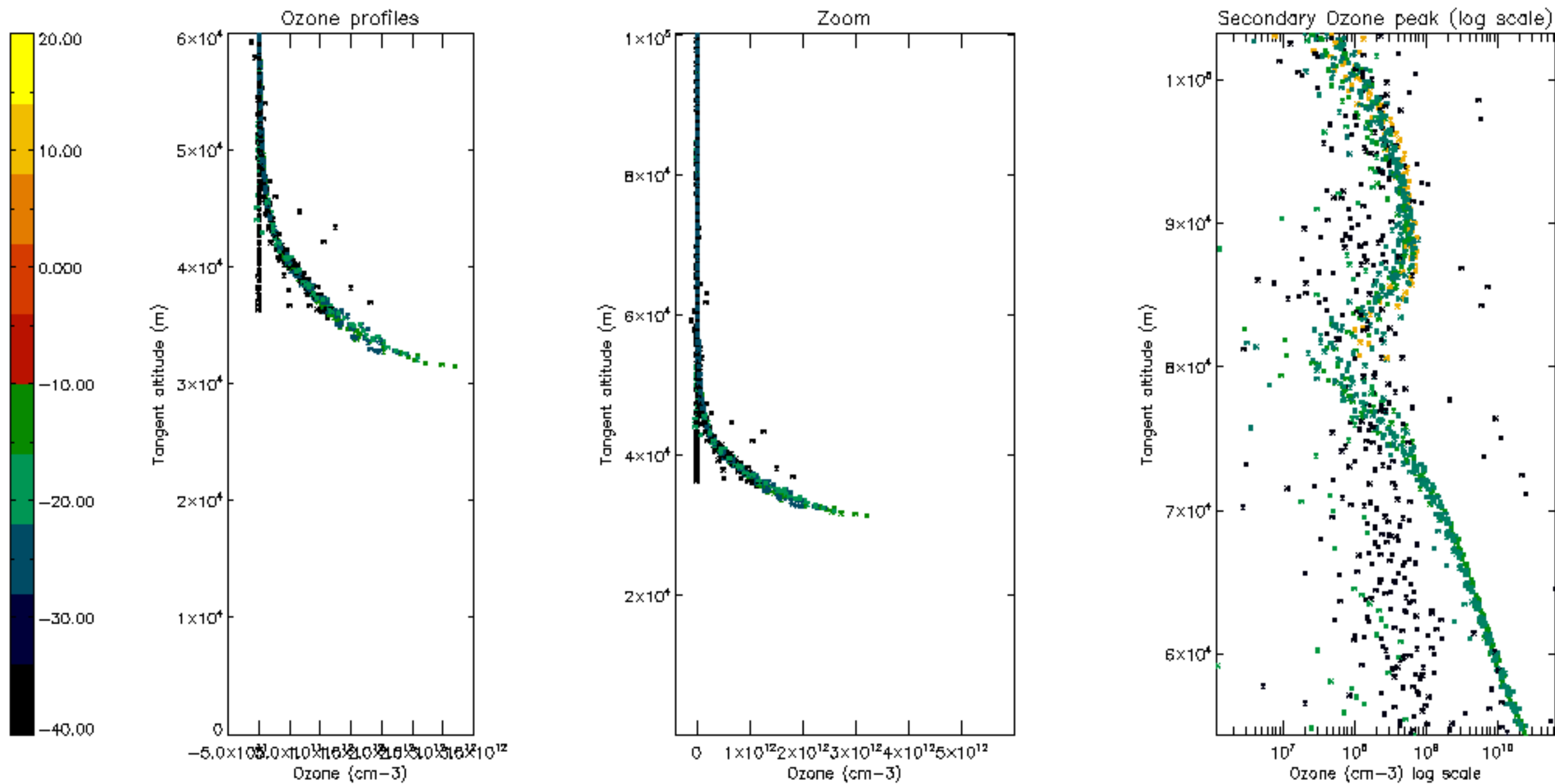


Percentage of star falling outside central band per profile

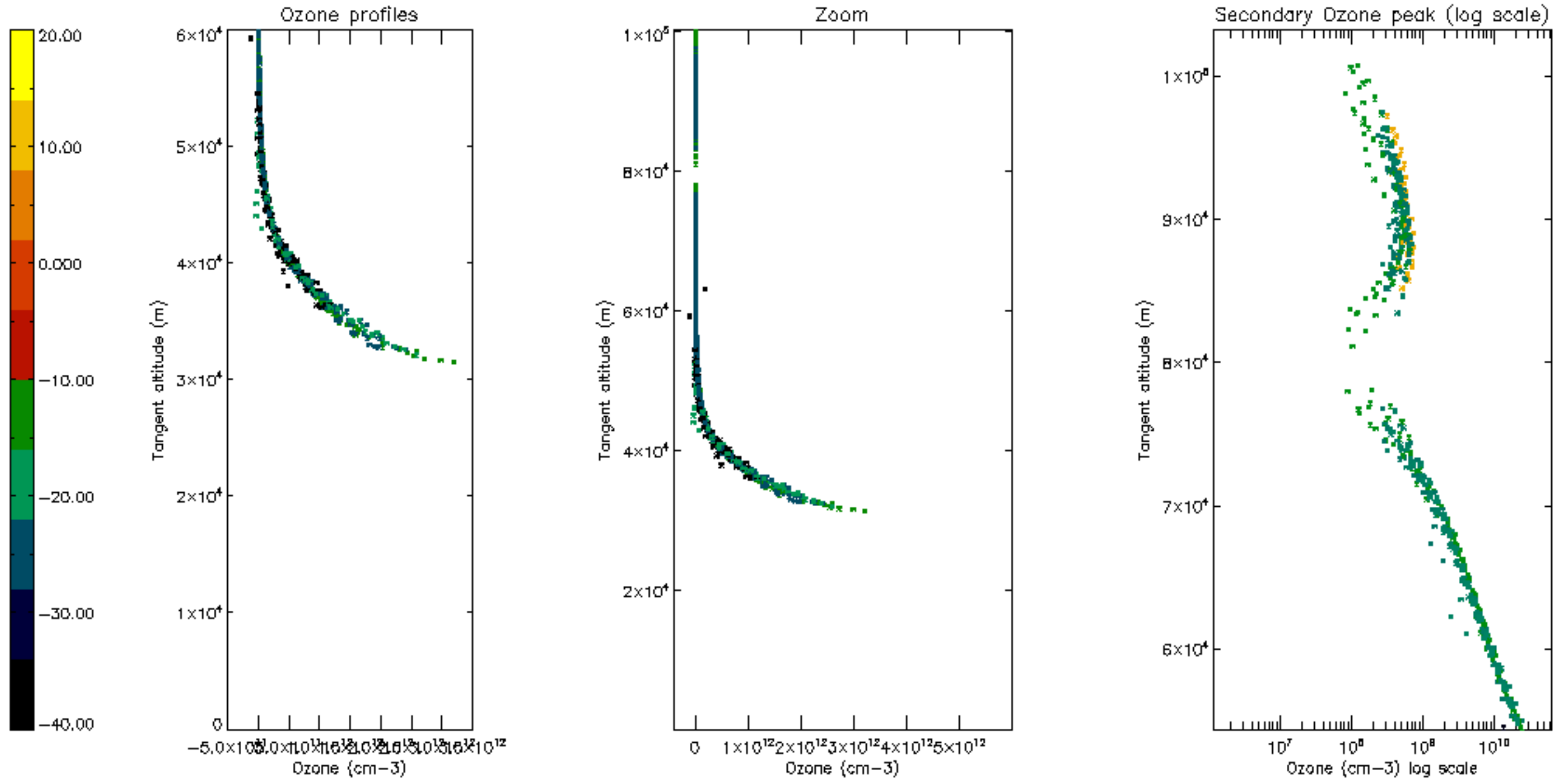


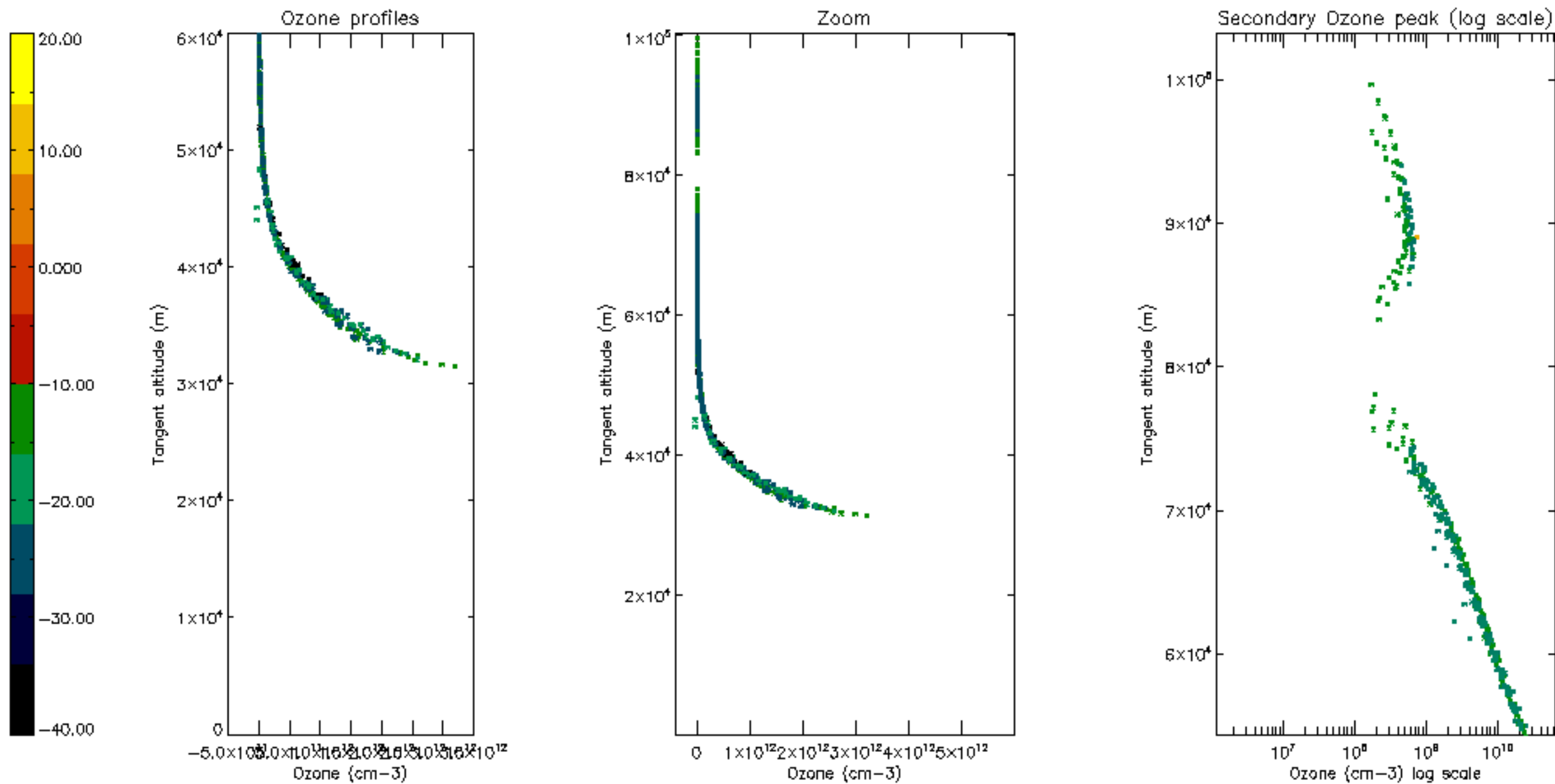
Percentage of saturation errors per profile

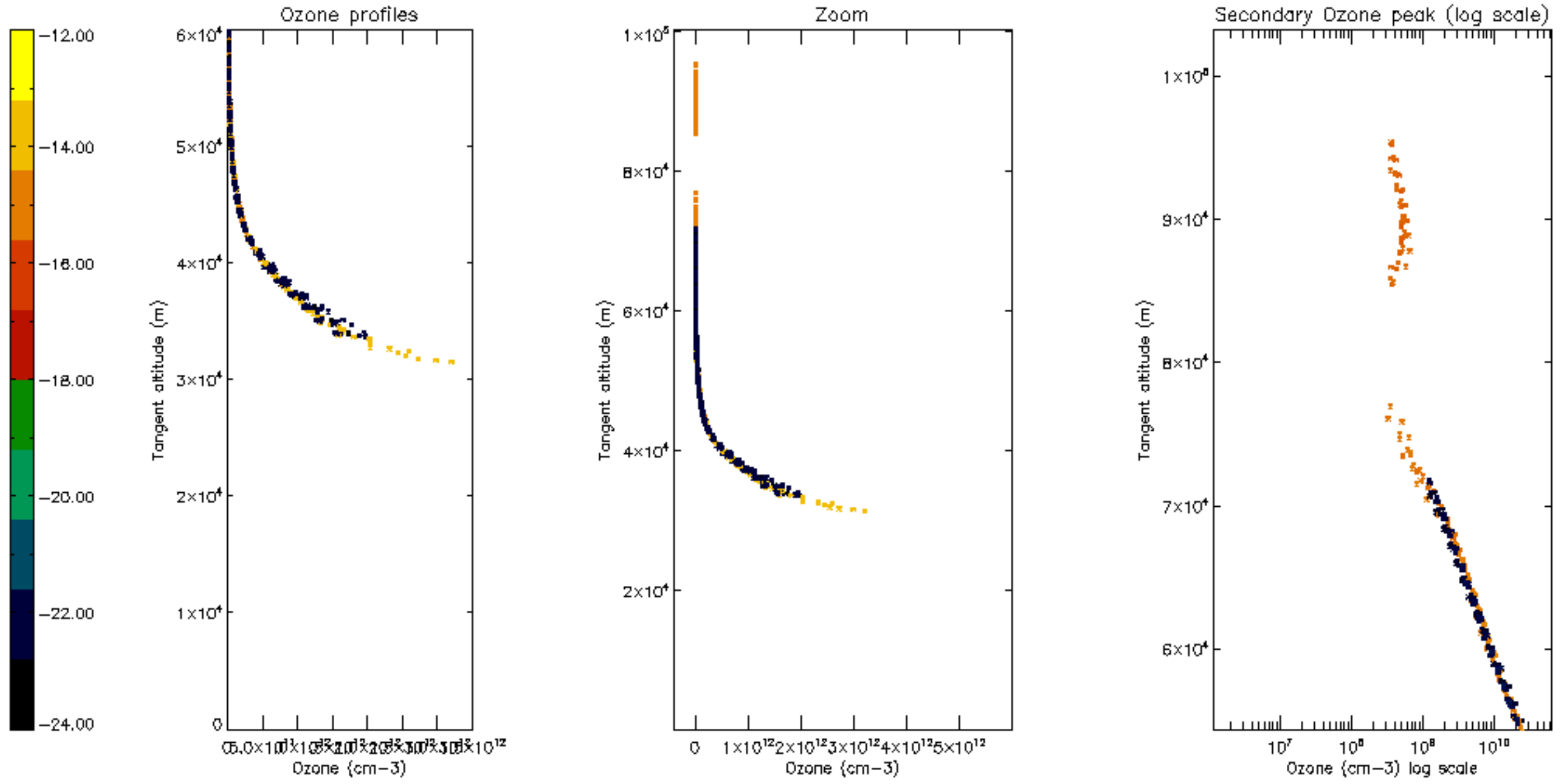


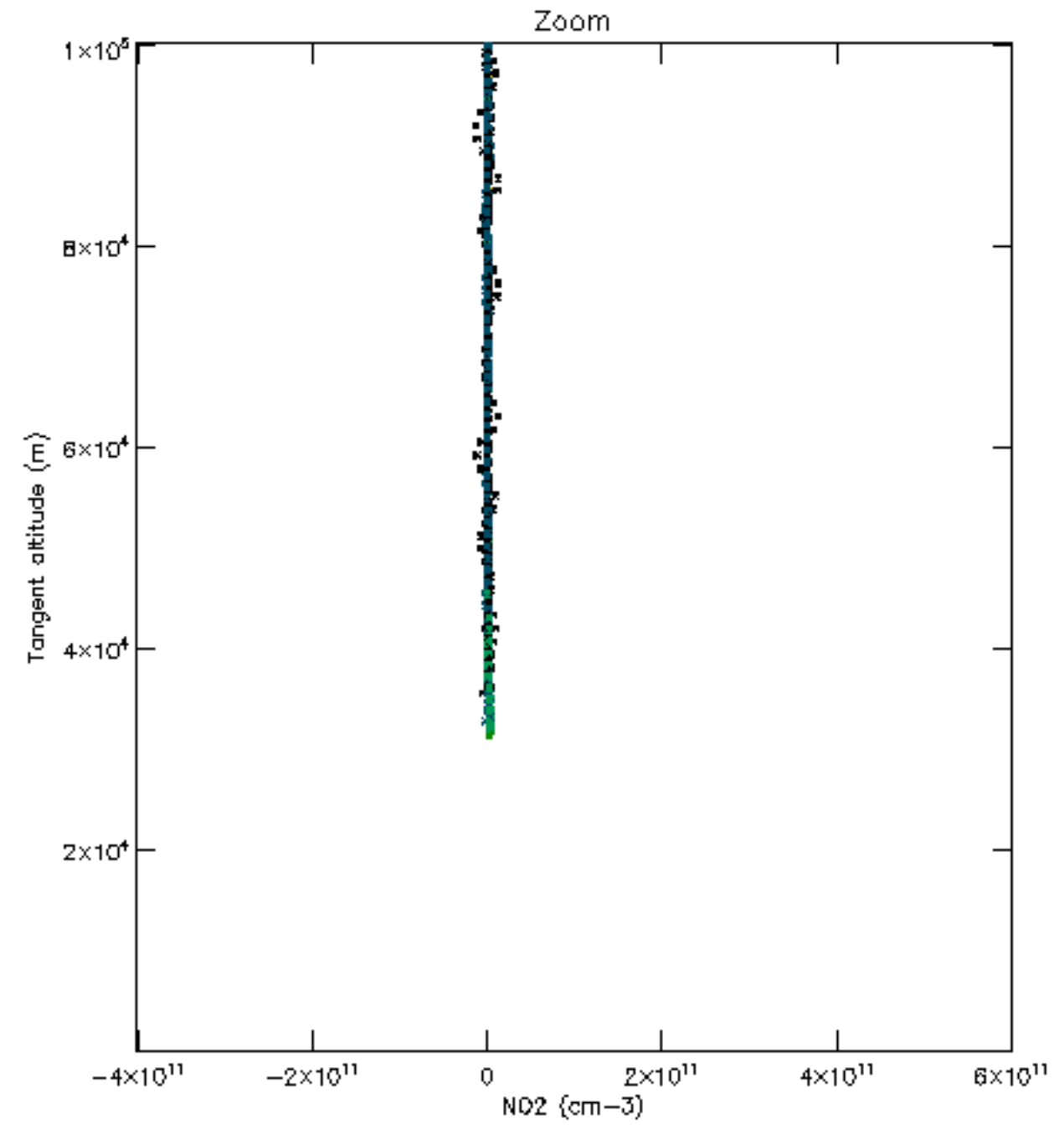
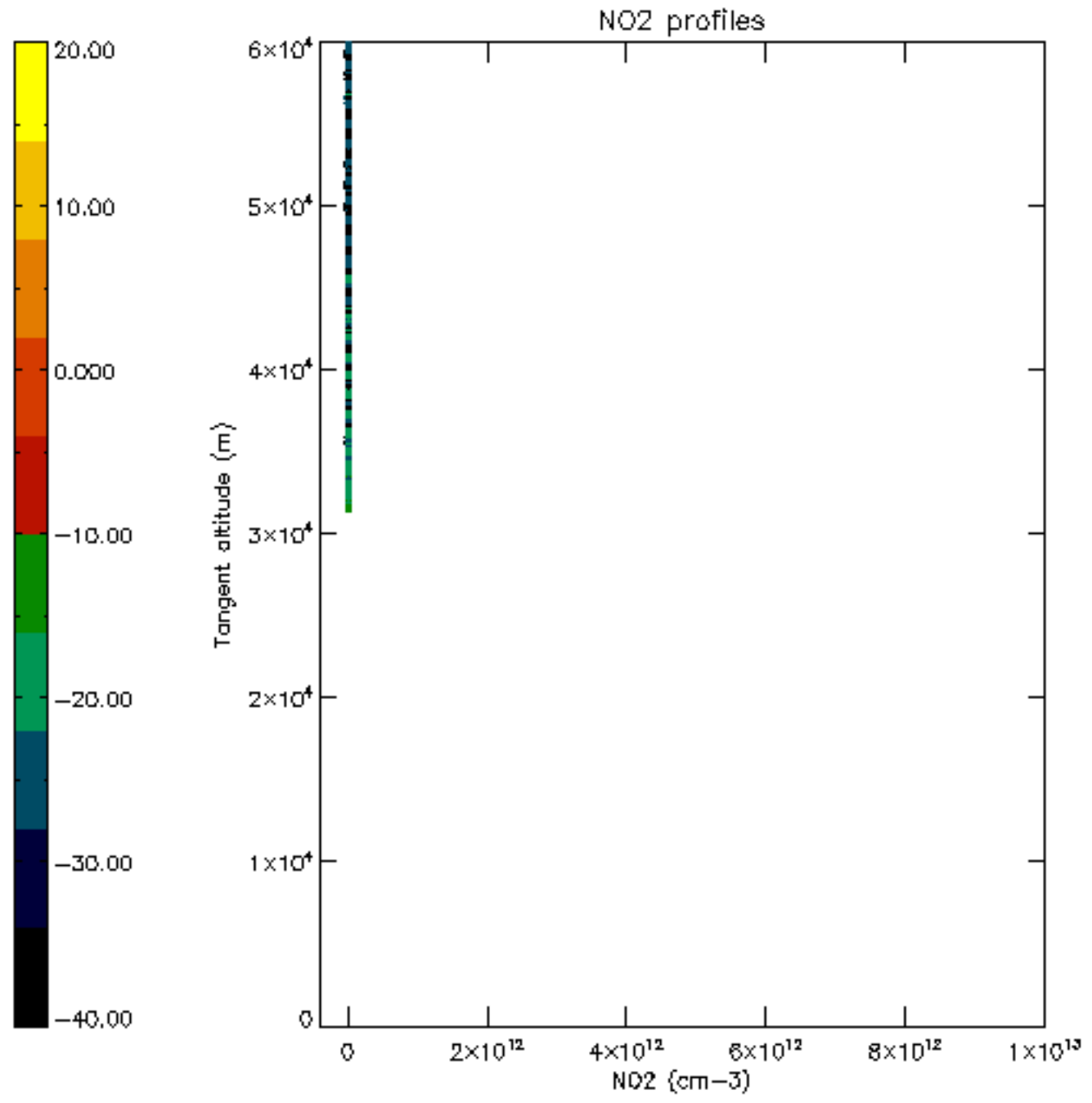




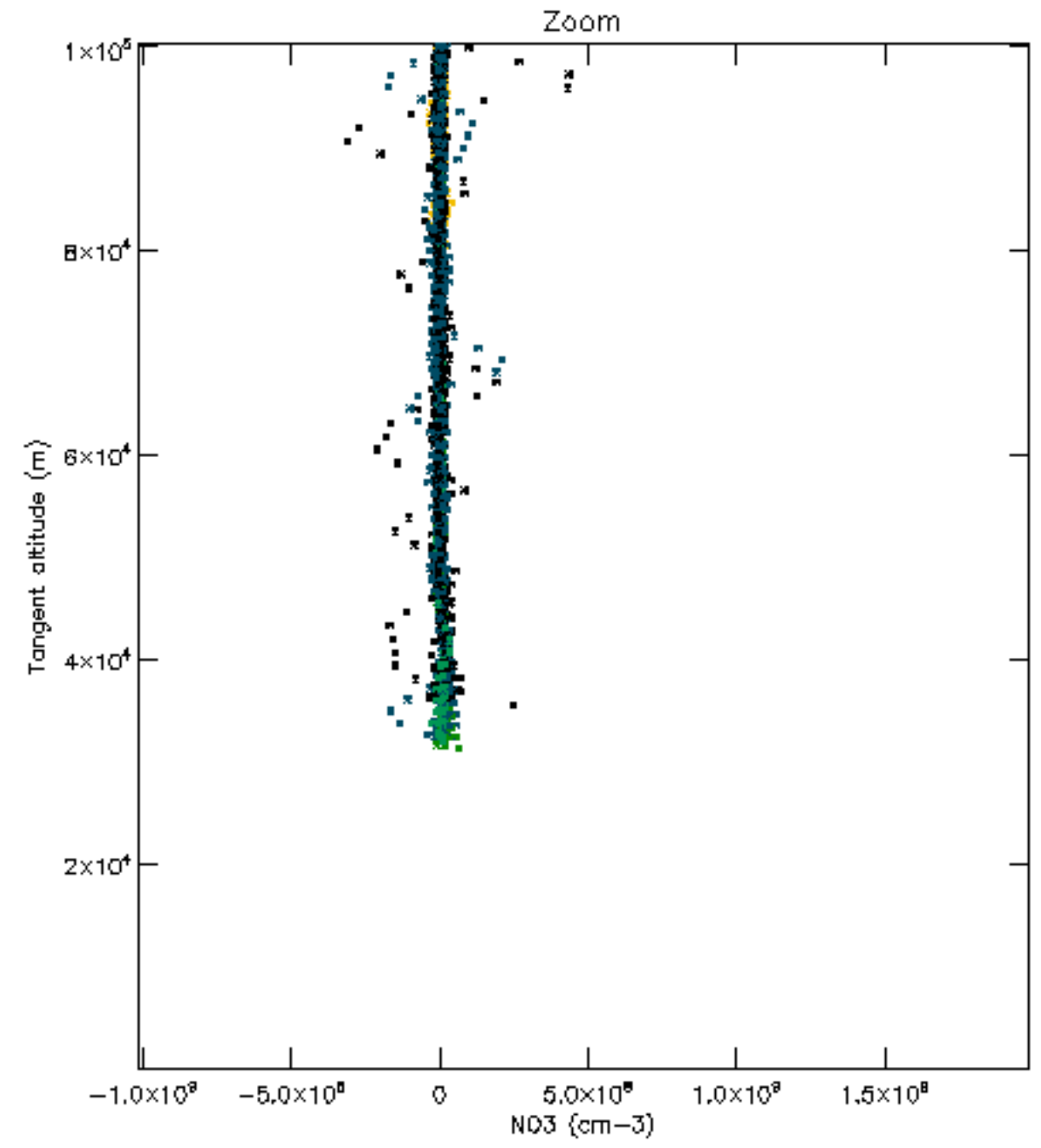
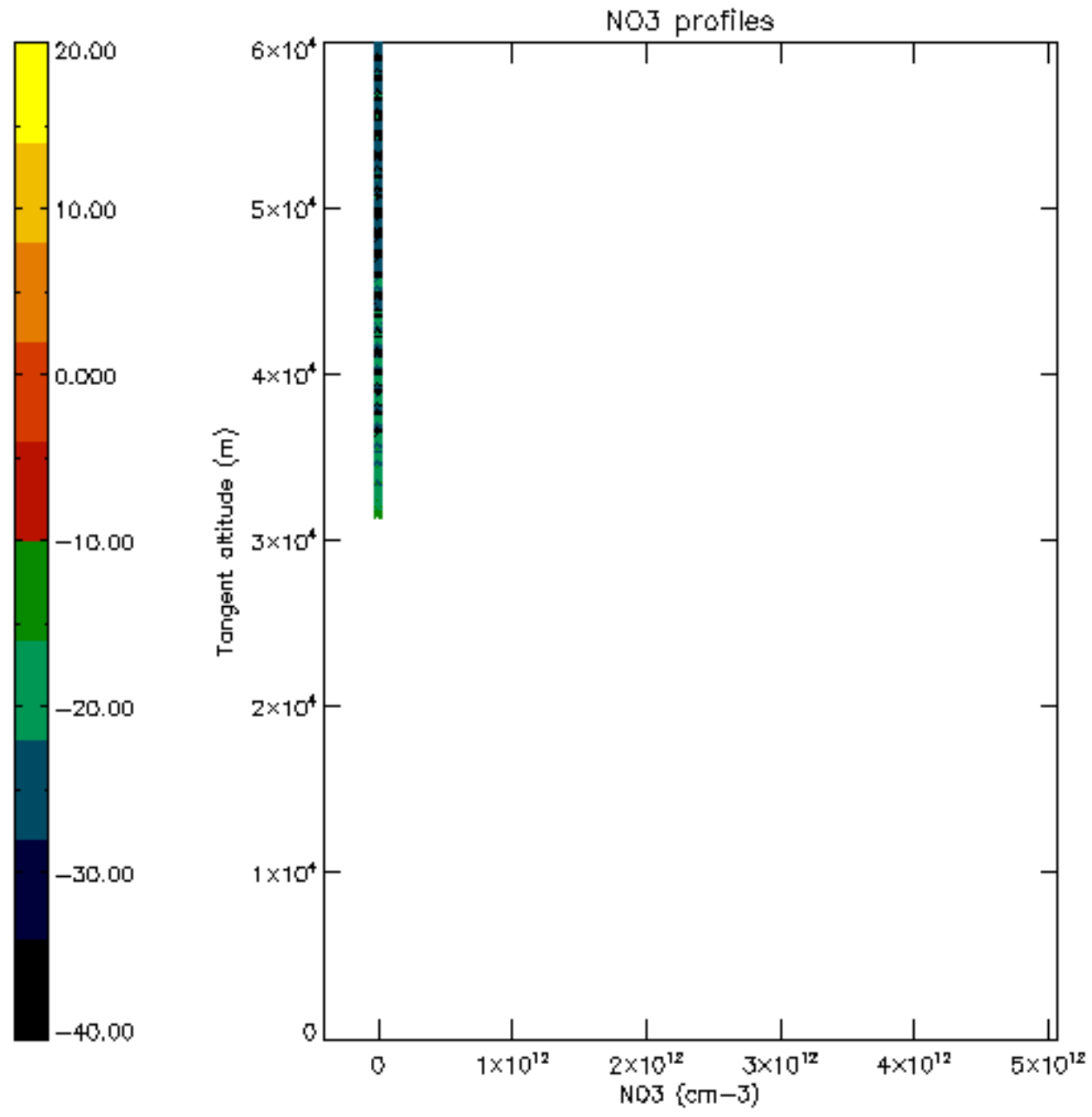


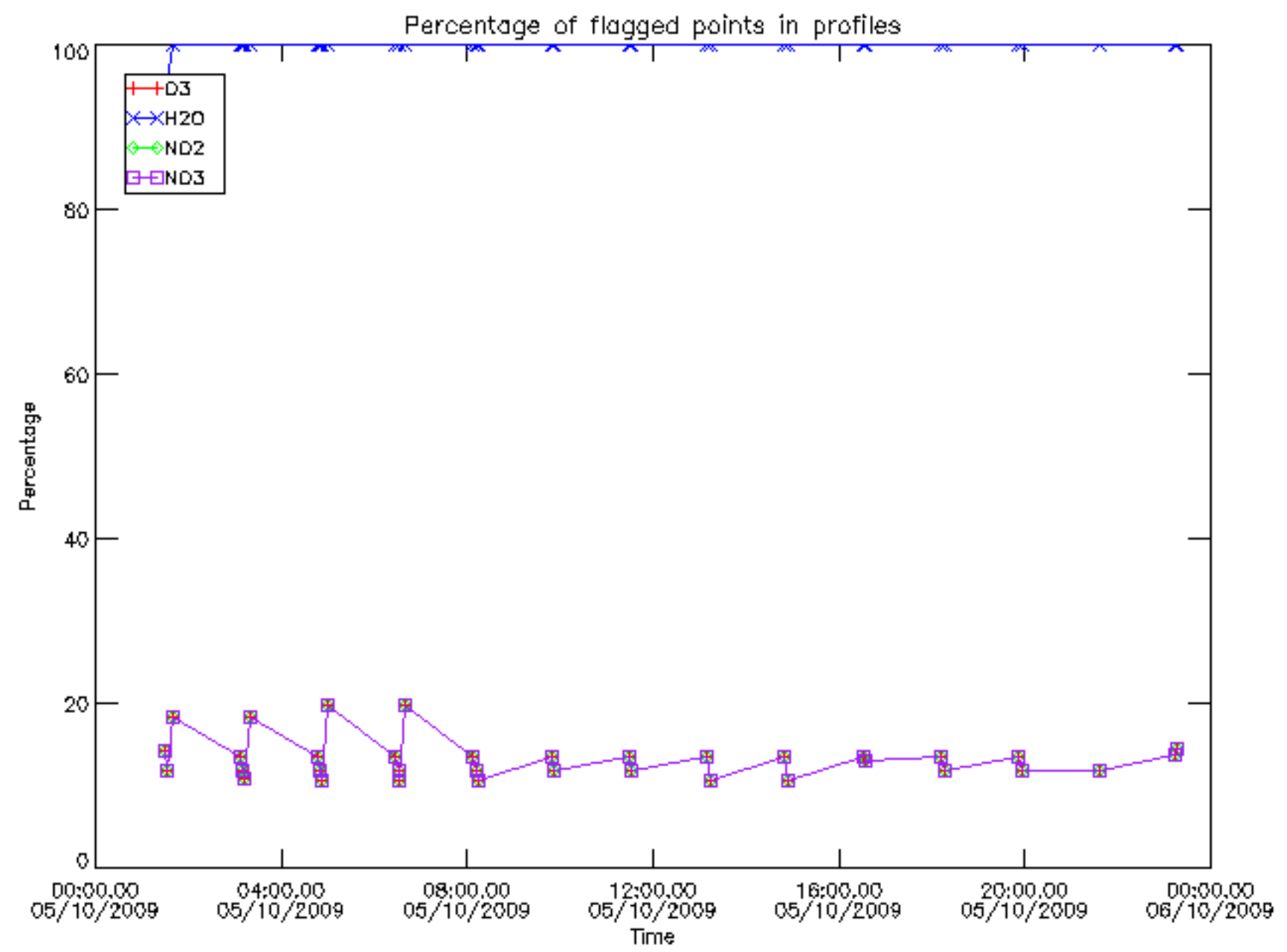




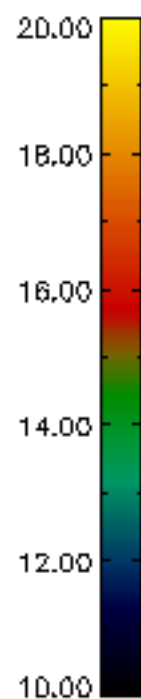
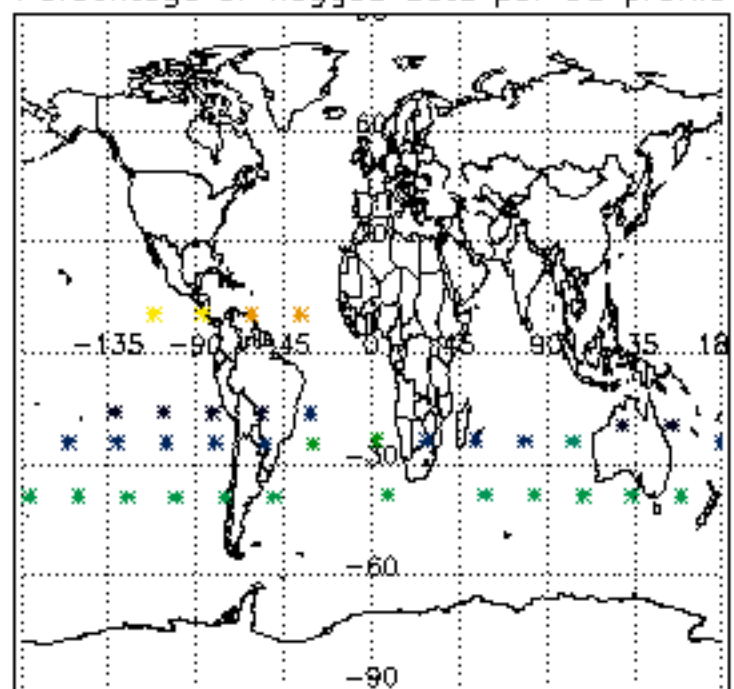




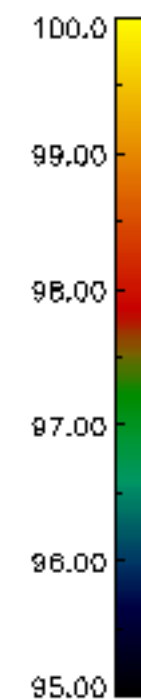
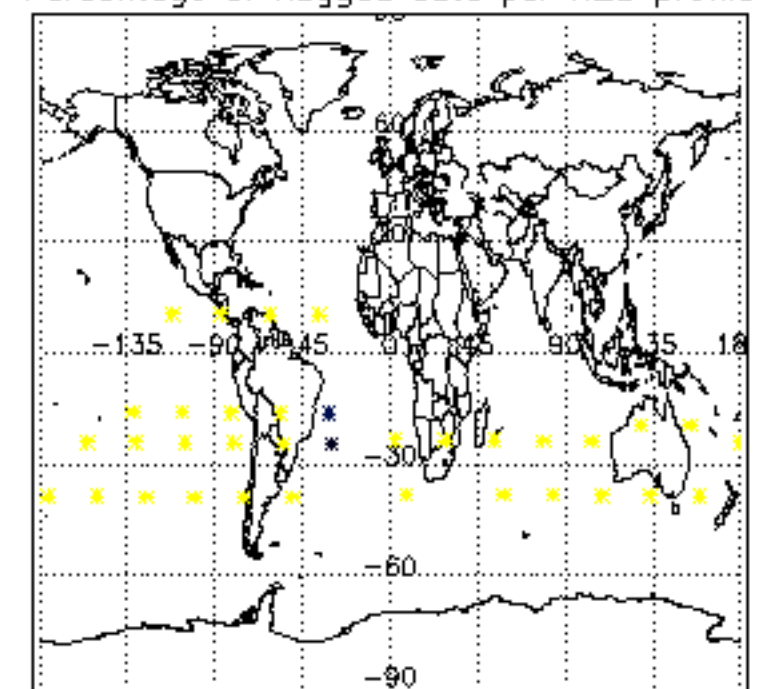




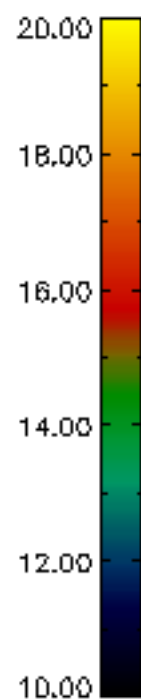
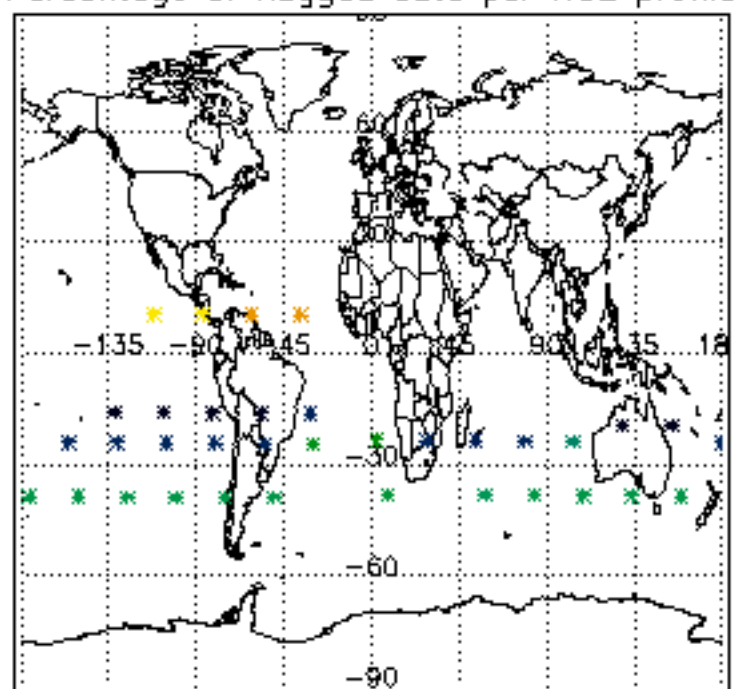
Percentage of flagged data per D3 profile



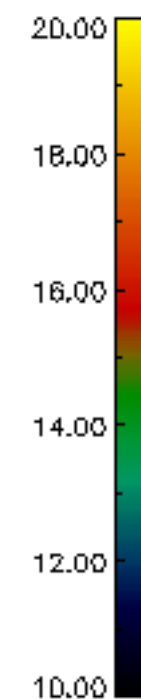
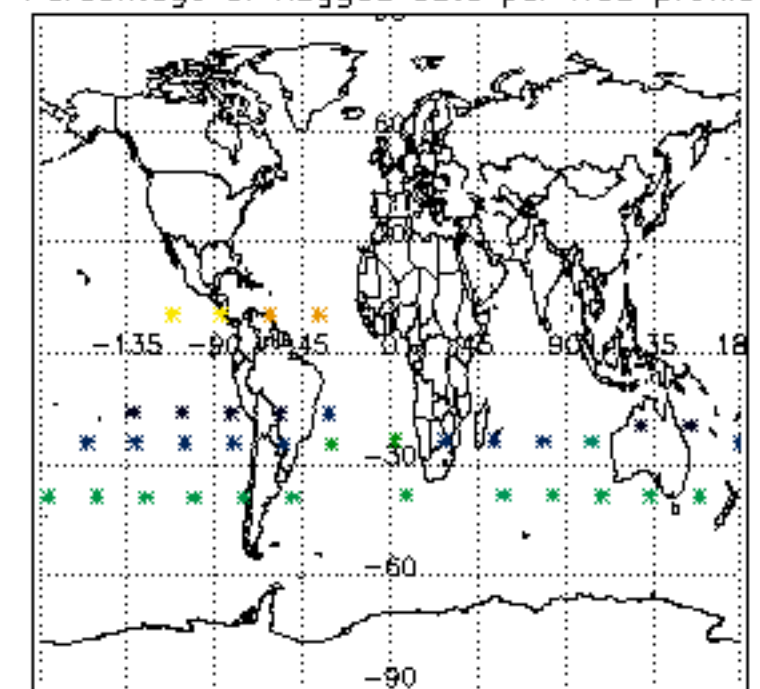
Percentage of flagged data per H2O profile

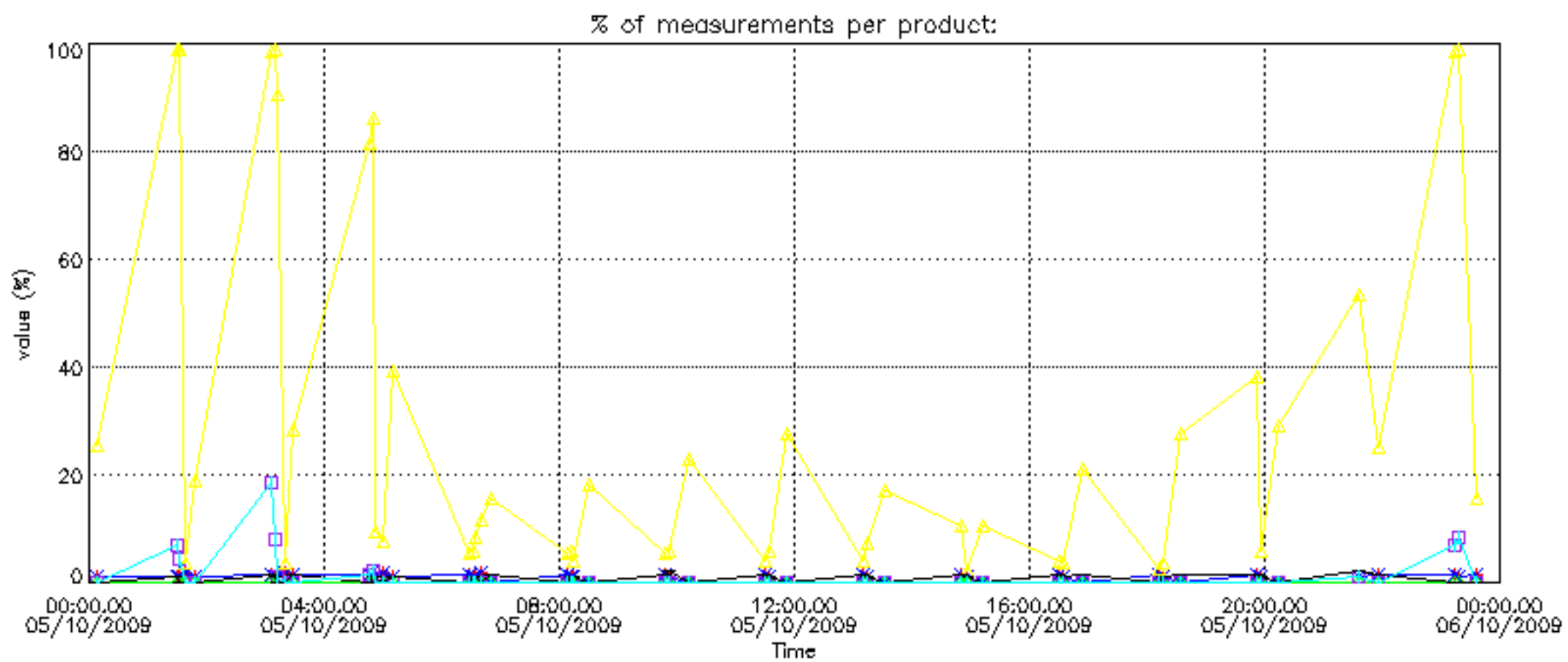


Percentage of flagged data per NO2 profile

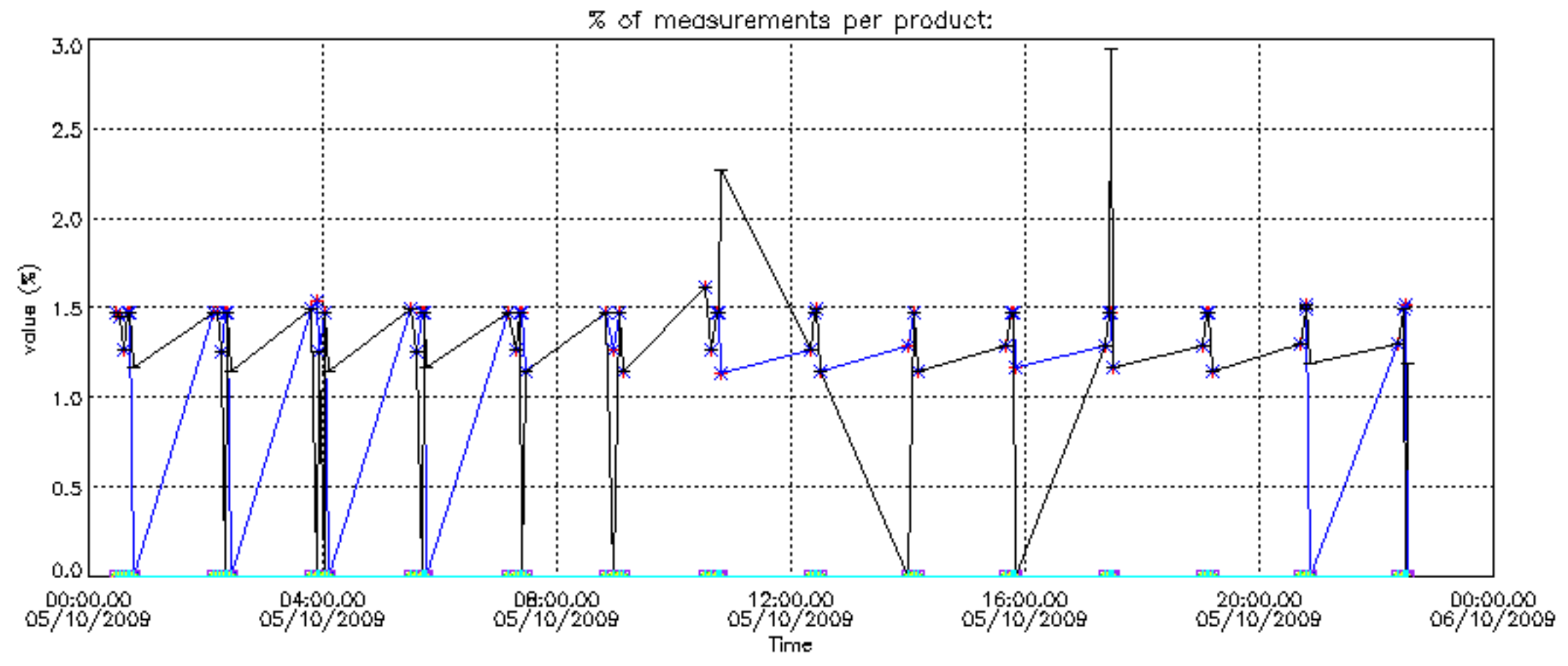


Percentage of flagged data per NO3 profile

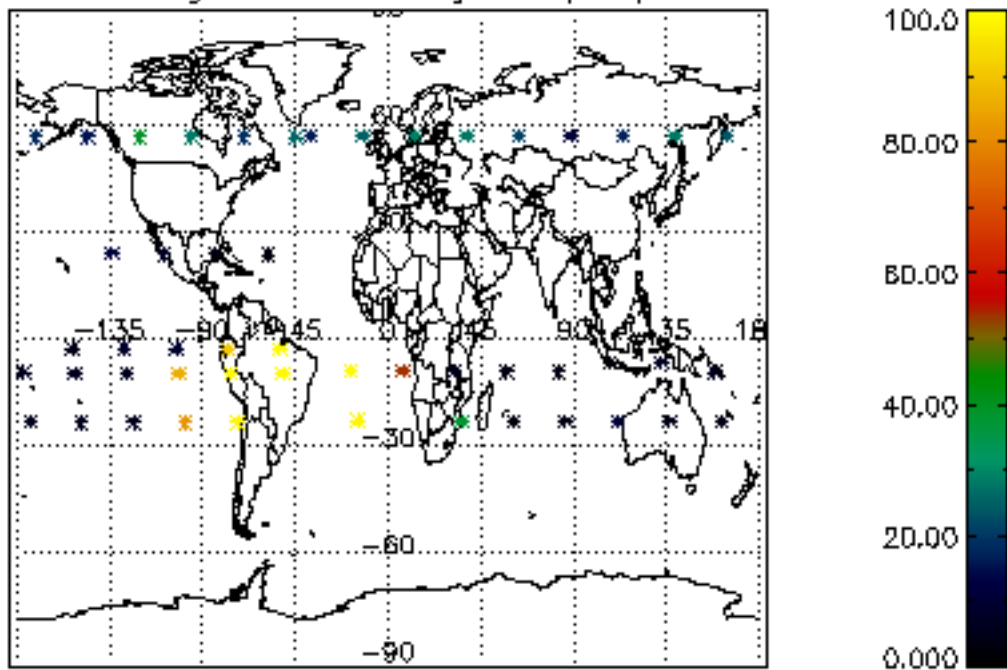




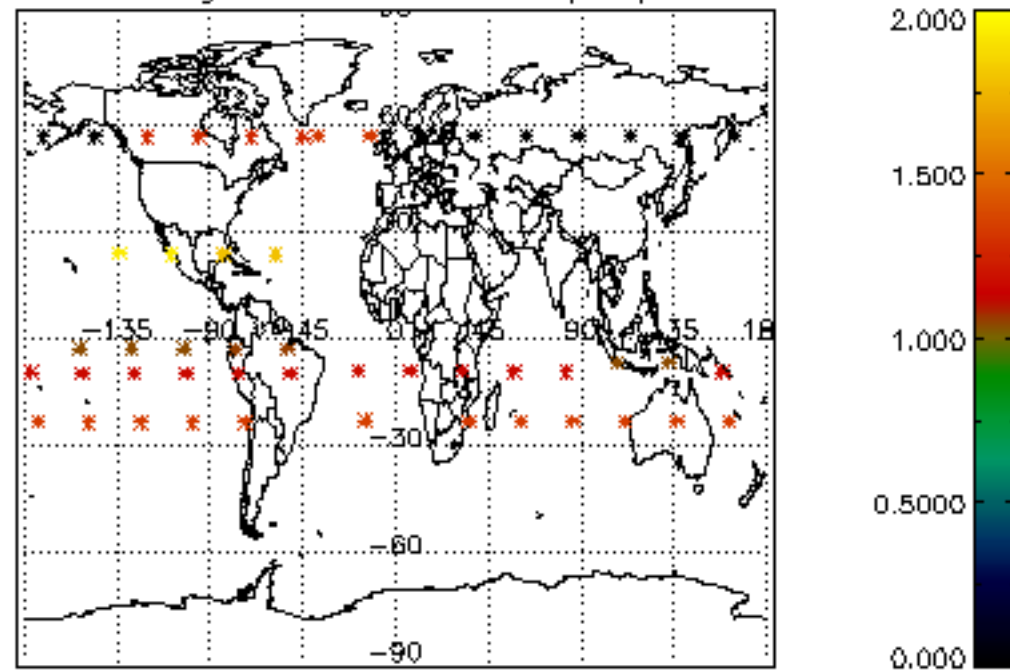




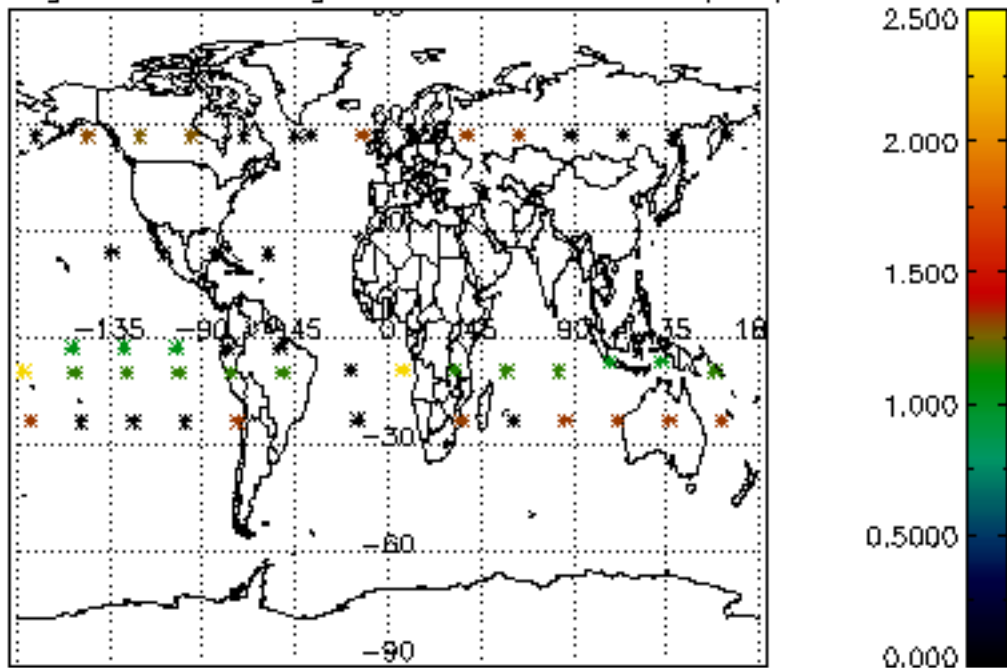
Percentage of cosmic ray hits per profile



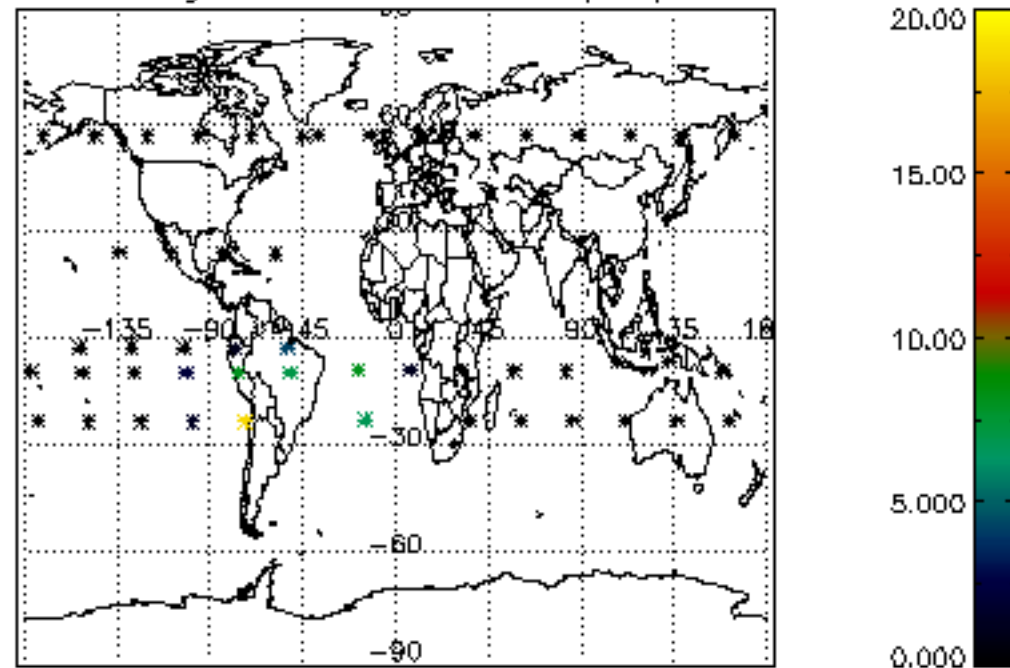
Percentage of datation errors per profile



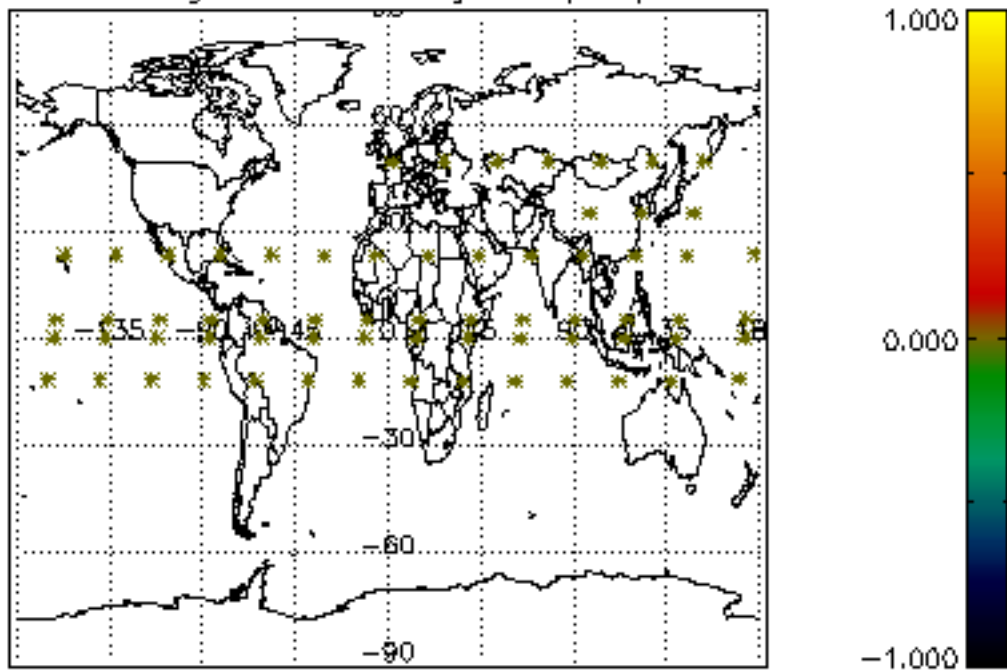
Percentage of star falling outside central band per profile



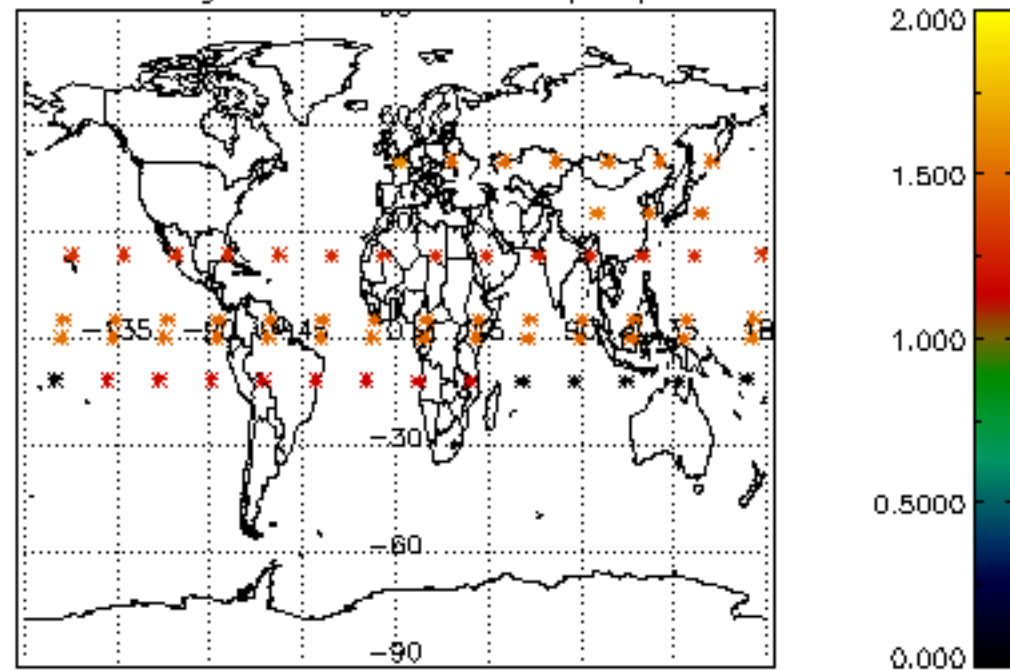
Percentage of saturation errors per profile



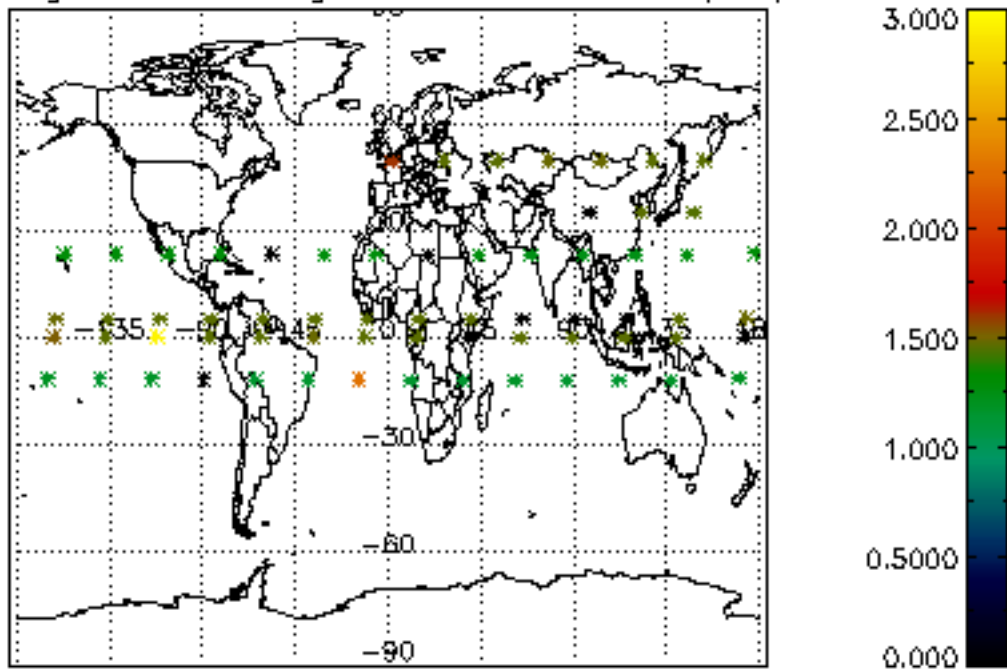
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

