

# 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	24APR2013 04:37:02
Data source version	GOMOS/6.01
Start time of products	02-10-2006 (02OCT2006 00:00:00)
Stop time of products	03-10-2006 (03OCT2006 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	124
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__2PRFIN20061002_000752_000000362051_00388_23989_2258.N1	02-OCT-2006 00:07:52	Bright	35.500	166	17Eps Leo	2.9800	6000.0	71	23989	No
2	GOM_NL__2PRFIN20061002_001728_000000472051_00388_23989_2259.N1	02-OCT-2006 00:17:28	Twilight	47.000	48	30Alp Hya	1.9770	4100.0	94	23989	No
3	GOM_NL__2PRFIN20061002_002709_000000462051_00388_23989_2260.N1	02-OCT-2006 00:27:09	Dark	46.000	65	Lam Vel	2.2040	4400.0	92	23989	No
4	GOM_NL__2PRFIN20061002_002946_000000412051_00388_23989_2261.N1	02-OCT-2006 00:29:46	Dark	41.000	34	Gam2Vel	1.7930	23000.	82	23989	No
5	GOM_NL__2PRFIN20061002_040527_000000372051_00391_23992_2252.N1	02-OCT-2006 04:05:27	Dark	36.500	143	Alp Hyi	2.8570	7200.0	73	23992	No
6	GOM_NL__2PRFIN20061002_040655_000000462051_00391_23992_2253.N1	02-OCT-2006 04:06:55	Dark	45.500	9	Alp Eri	0.45300	24000.	91	23992	No
7	GOM_NL__2PRFIN20061002_041215_000000422051_00391_23992_2254.N1	02-OCT-2006 04:12:15	Straylight	42.000	84	Alp Phe	2.3970	4500.0	84	23992	No
8	GOM_NL__2PRFIN20061002_042919_000000362051_00391_23992_2255.N1	02-OCT-2006 04:29:19	Bright	35.500	90	54Alp Peg	2.4870	11000.	71	23992	No
9	GOM_NL__2PRFIN20061002_043256_000000362051_00391_23992_2256.N1	02-OCT-2006 04:32:56	Bright	36.000	93	53Bet Peg	2.5200	3100.0	72	23992	No
10	GOM_NL__2PRFIN20061002_045018_000000372051_00391_23992_2257.N1	02-OCT-2006 04:50:18	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	23992	No
11	GOM_NL__2PRFIN20061002_045817_000000362051_00391_23992_2258.N1	02-OCT-2006 04:58:17	Bright	35.500	36	50Alp UMa	1.8000	6300.0	71	23992	No
12	GOM_NL__2PRFIN20061002_045947_000000412051_00391_23992_2259.N1	02-OCT-2006 04:59:47	Bright	41.000	82	48Bet UMa	2.3650	10600.	82	23992	No
13	GOM_NL__2PRFIN20061002_050941_000000352051_00391_23992_2260.N1	02-OCT-2006 05:09:41	Bright	34.500	166	17Eps Leo	2.9800	6000.0	69	23992	No
14	GOM_NL__2PRFIN20061002_051917_000000452051_00391_23992_2261.N1	02-OCT-2006 05:19:17	Twilight	44.500	48	30Alp Hya	1.9770	4100.0	89	23992	No
15	GOM_NL__2PRFIN20061002_052858_000000472051_00391_23992_2262.N1	02-OCT-2006 05:28:58	Dark	46.500	65	Lam Vel	2.2040	4400.0	93	23992	No
16	GOM_NL__2PRFIN20061002_053135_000000392051_00391_23992_2263.N1	02-OCT-2006 05:31:35	Dark	39.000	34	Gam2Vel	1.7930	23000.	78	23992	No
17	GOM_NL__2PRFIN20061002_054604_000000382051_00392_23993_2563.N1	02-OCT-2006 05:46:04	Dark	38.000	143	Alp Hyi	2.8570	7200.0	76	23993	No
18	GOM_NL__2PRFIN20061002_054731_000000512051_00392_23993_2564.N1	02-OCT-2006 05:47:31	Dark	51.000	9	Alp Eri	0.45300	24000.	102	23993	No
19	GOM_NL__2PRFIN20061002_055252_000000432051_00392_23993_2565.N1	02-OCT-2006 05:52:52	Straylight	43.000	84	Alp Phe	2.3970	4500.0	86	23993	No
20	GOM_NL__2PRFIN20061002_060955_000000372051_00392_23993_2566.N1	02-OCT-2006 06:09:55	Bright	37.000	90	54Alp Peg	2.4870	11000.	74	23993	No
21	GOM_NL__2PRFIN20061002_061332_000000382051_00392_23993_2567.N1	02-OCT-2006 06:13:32	Bright	37.500	93	53Bet Peg	2.5200	3100.0	75	23993	No
22	GOM_NL__2PRFIN20061002_063055_000000362051_00392_23993_2568.N1	02-OCT-2006 06:30:55	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	23993	No
23	GOM_NL__2PRFIN20061002_063853_000000362051_00392_23993_2569.N1	02-OCT-2006 06:38:53	Bright	36.000	36	50Alp UMa	1.8000	6300.0	72	23993	No
24	GOM_NL__2PRFIN20061002_064023_000000352051_00392_23993_2570.N1	02-OCT-2006 06:40:23	Bright	34.500	82	48Bet UMa	2.3650	10600.	69	23993	No
25	GOM_NL__2PRFIN20061002_065017_000000362051_00392_23993_2571.N1	02-OCT-2006 06:50:17	Bright	36.000	166	17Eps Leo	2.9800	6000.0	72	23993	No
26	GOM_NL__2PRFIN20061002_065954_000000452051_00392_23993_2572.N1	02-OCT-2006 06:59:54	Twilight	44.500	48	30Alp Hya	1.9770	4100.0	89	23993	No
27	GOM_NL__2PRFIN20061002_070934_000000452051_00392_23993_2573.N1	02-OCT-2006 07:09:34	Dark	44.500	65	Lam Vel	2.2040	4400.0	89	23993	No
28	GOM_NL__2PRFIN20061002_071212_000000402051_00392_23993_2574.N1	02-OCT-2006 07:12:12	Dark	39.500	34	Gam2Vel	1.7930	23000.	79	23993	No
29	GOM_NL__2PRFIN20061002_072640_000000392051_00393_23994_2565.N1	02-OCT-2006 07:26:40	Dark	38.500	143	Alp Hyi	2.8570	7200.0	77	23994	No
30	GOM_NL__2PRFIN20061002_072808_000000462051_00393_23994_2566.N1	02-OCT-2006 07:28:08	Dark	46.000	9	Alp Eri	0.45300	24000.	92	23994	No
31	GOM_NL__2PRFIN20061002_073328_000000442051_00393_23994_2567.N1	02-OCT-2006 07:33:28	Straylight	43.500	84	Alp Phe	2.3970	4500.0	87	23994	No
32	GOM_NL__2PRFIN20061002_075031_000000372051_00393_23994_2568.N1	02-OCT-2006 07:50:31	Bright	36.500	90	54Alp Peg	2.4870	11000.	73	23994	No
33	GOM_NL__2PRFIN20061002_075408_000000382051_00393_23994_2569.N1	02-OCT-2006 07:54:08	Bright	38.000	93	53Bet Peg	2.5200	3100.0	76	23994	No
34	GOM_NL__2PRFIN20061002_081131_000000332051_00393_23994_2570.N1	02-OCT-2006 08:11:31	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	23994	No
35	GOM_NL__2PRFIN20061002_081929_000000372051_00393_23994_2571.N1	02-OCT-2006 08:19:29	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	23994	No
36	GOM_NL__2PRFIN20061002_082059_000000352051_00393_23994_2572.N1	02-OCT-2006 08:20:59	Bright	35.000	82	48Bet UMa	2.3650	10600.	70	23994	No
37	GOM_NL__2PRFIN20061002_083053_000000362051_00393_23994_2573.N1	02-OCT-2006 08:30:53	Bright	36.000	166	17Eps Leo	2.9800	6000.0	72	23994	No
38	GOM_NL__2PRFIN20061002_084030_000000442051_00393_23994_2574.N1	02-OCT-2006 08:40:30	Twilight	44.000	48	30Alp Hya	1.9770	4100.0	88	23994	No
39	GOM_NL__2PRFIN20061002_085010_000000432051_00393_23994_2575.N1	02-OCT-2006 08:50:10	Dark	42.500	65	Lam Vel	2.2040	4400.0	85	23994	No
40	GOM_NL__2PRFIN20061002_085249_000000442051_00393_23994_2576.N1	02-OCT-2006 08:52:49	Dark	43.500	34	Gam2Vel	1.7930	23000.	87	23994	No
41	GOM_NL__2PRFIN20061002_090717_000000392051_00394_23995_2567.N1	02-OCT-2006 09:07:17	Dark	38.500	143	Alp Hyi	2.8570	7200.0	77	23995	No
42	GOM_NL__2PRFIN20061002_090844_000000412051_00394_23995_2568.N1	02-OCT-2006 09:08:44	Dark	41.000	9	Alp Eri	0.45300	24000.	82	23995	No

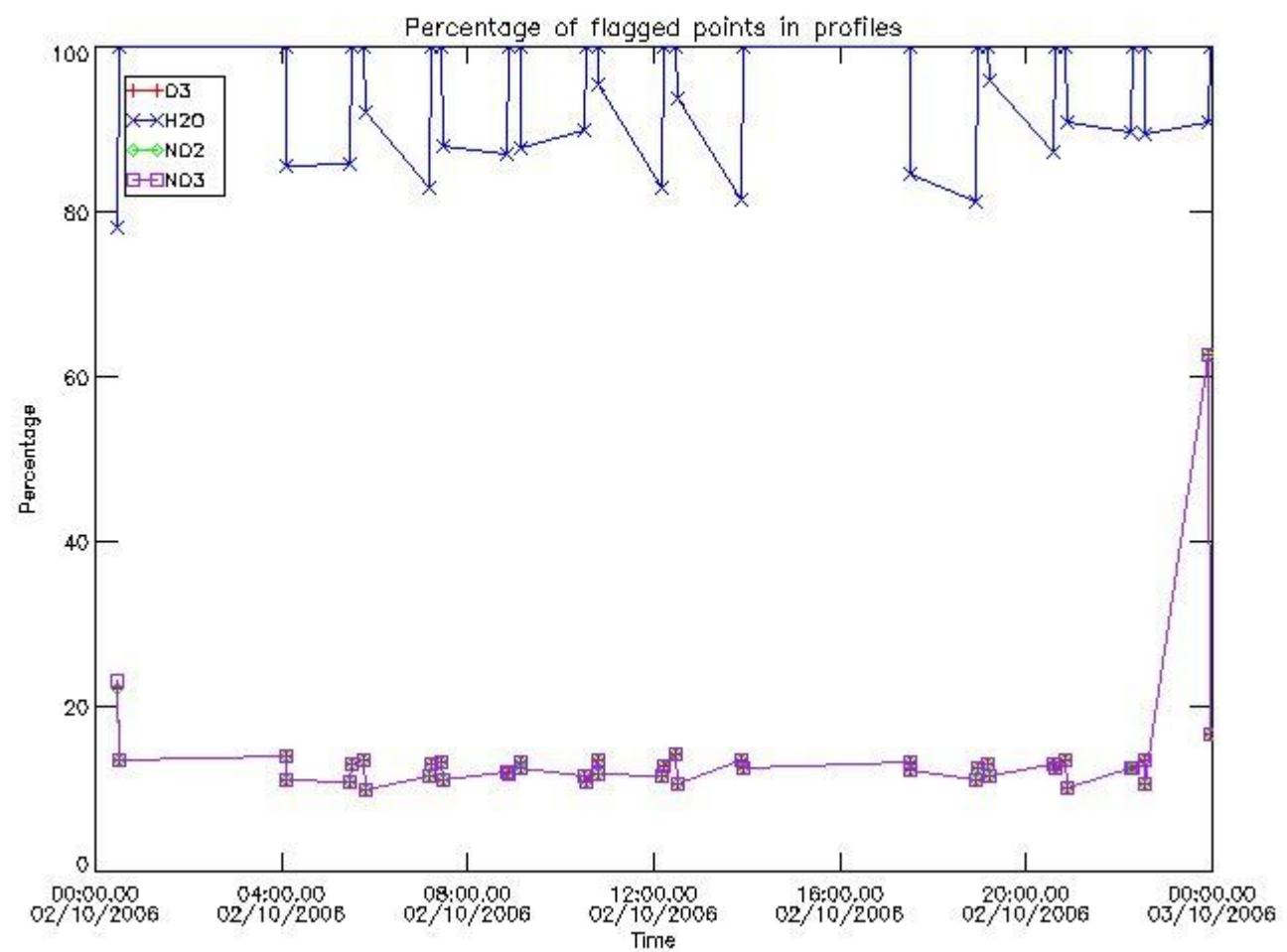
43	GOM_NL__2PRFIN20061002_091404_000000412051_00394_23995_2569.N1	02-OCT-2006 09:14:04	Straylight	40.500	84	Alp Phe	2.3970	4500.0	81	23995	No
44	GOM_NL__2PRFIN20061002_093107_000000372051_00394_23995_2570.N1	02-OCT-2006 09:31:07	Bright	36.500	90	54Alp Peg	2.4870	11000.	73	23995	No
45	GOM_NL__2PRFIN20061002_093444_000000352051_00394_23995_2571.N1	02-OCT-2006 09:34:44	Bright	34.500	93	53Bet Peg	2.5200	3100.0	69	23995	No
46	GOM_NL__2PRFIN20061002_095206_000000362051_00394_23995_2572.N1	02-OCT-2006 09:52:06	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	23995	No
47	GOM_NL__2PRFIN20061002_100005_000000352051_00394_23995_2573.N1	02-OCT-2006 10:00:05	Bright	35.000	36	50Alp UMa	1.8000	6300.0	70	23995	No
48	GOM_NL__2PRFIN20061002_100135_000000362051_00394_23995_2574.N1	02-OCT-2006 10:01:35	Bright	35.500	82	48Bet UMa	2.3650	10600.	71	23995	No
49	GOM_NL__2PRFIN20061002_101129_000000372051_00394_23995_2575.N1	02-OCT-2006 10:11:29	Bright	36.500	166	17Eps Leo	2.9800	6000.0	73	23995	No
50	GOM_NL__2PRFIN20061002_102106_000000512051_00394_23995_2576.N1	02-OCT-2006 10:21:06	Twilight	51.000	48	30Alp Hya	1.9770	4100.0	102	23995	No
51	GOM_NL__2PRFIN20061002_103047_000000452051_00394_23995_2577.N1	02-OCT-2006 10:30:47	Dark	44.500	65	Lam Vel	2.2040	4400.0	89	23995	No
52	GOM_NL__2PRFIN20061002_103325_000000472051_00394_23995_2578.N1	02-OCT-2006 10:33:25	Dark	46.500	34	Gam2Vel	1.7930	23000.	93	23995	No
53	GOM_NL__2PRFIN20061002_104753_000000382051_00395_23996_2569.N1	02-OCT-2006 10:47:53	Dark	38.000	143	Alp Hyi	2.8570	7200.0	76	23996	No
54	GOM_NL__2PRFIN20061002_104921_000000442051_00395_23996_2570.N1	02-OCT-2006 10:49:21	Dark	43.500	9	Alp Eri	0.45300	24000.	87	23996	No
55	GOM_NL__2PRFIN20061002_105440_000000432051_00395_23996_2571.N1	02-OCT-2006 10:54:40	Straylight	43.000	84	Alp Phe	2.3970	4500.0	86	23996	No
56	GOM_NL__2PRFIN20061002_111143_000000362051_00395_23996_2572.N1	02-OCT-2006 11:11:43	Bright	36.000	90	54Alp Peg	2.4870	11000.	72	23996	No
57	GOM_NL__2PRFIN20061002_111520_000000372051_00395_23996_2573.N1	02-OCT-2006 11:15:20	Bright	37.000	93	53Bet Peg	2.5200	3100.0	74	23996	No
58	GOM_NL__2PRFIN20061002_113242_000000372051_00395_23996_2574.N1	02-OCT-2006 11:32:42	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	23996	No
59	GOM_NL__2PRFIN20061002_114041_000000372051_00395_23996_2575.N1	02-OCT-2006 11:40:41	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	23996	No
60	GOM_NL__2PRFIN20061002_114212_000000522051_00395_23996_2576.N1	02-OCT-2006 11:42:12	Bright	52.000	82	48Bet UMa	2.3650	10600.	104	23996	No
61	GOM_NL__2PRFIN20061002_115205_000000352051_00395_23996_2577.N1	02-OCT-2006 11:52:05	Bright	35.000	166	17Eps Leo	2.9800	6000.0	70	23996	No
62	GOM_NL__2PRFIN20061002_120143_000000532051_00395_23996_2578.N1	02-OCT-2006 12:01:43	Twilight	52.500	48	30Alp Hya	1.9770	4100.0	105	23996	No
63	GOM_NL__2PRFIN20061002_121123_000000442051_00395_23996_2579.N1	02-OCT-2006 12:11:23	Dark	44.000	65	Lam Vel	2.2040	4400.0	88	23996	No
64	GOM_NL__2PRFIN20061002_121402_000000402051_00395_23996_2580.N1	02-OCT-2006 12:14:02	Dark	40.000	34	Gam2Vel	1.7930	23000.	80	23996	No
65	GOM_NL__2PRFIN20061002_122829_000000402051_00396_23997_2252.N1	02-OCT-2006 12:28:29	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	23997	No
66	GOM_NL__2PRFIN20061002_122957_000000482051_00396_23997_2253.N1	02-OCT-2006 12:29:57	Dark	48.000	9	Alp Eri	0.45300	24000.	96	23997	No
67	GOM_NL__2PRFIN20061002_123516_000000422051_00396_23997_2254.N1	02-OCT-2006 12:35:16	Straylight	42.000	84	Alp Phe	2.3970	4500.0	84	23997	No
68	GOM_NL__2PRFIN20061002_125219_000000362051_00396_23997_2255.N1	02-OCT-2006 12:52:19	Bright	35.500	90	54Alp Peg	2.4870	11000.	71	23997	No
69	GOM_NL__2PRFIN20061002_125556_000000372051_00396_23997_2256.N1	02-OCT-2006 12:55:56	Bright	36.500	93	53Bet Peg	2.5200	3100.0	73	23997	No
70	GOM_NL__2PRFIN20061002_131318_000000362051_00396_23997_2257.N1	02-OCT-2006 13:13:18	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	23997	No
71	GOM_NL__2PRFIN20061002_132117_000000372051_00396_23997_2258.N1	02-OCT-2006 13:21:17	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	23997	No
72	GOM_NL__2PRFIN20061002_132247_000000332051_00396_23997_2259.N1	02-OCT-2006 13:22:47	Bright	33.000	82	48Bet UMa	2.3650	10600.	66	23997	No
73	GOM_NL__2PRFIN20061002_133241_000000342051_00396_23997_2260.N1	02-OCT-2006 13:32:41	Bright	33.500	166	17Eps Leo	2.9800	6000.0	67	23997	No
74	GOM_NL__2PRFIN20061002_134219_000000492051_00396_23997_2261.N1	02-OCT-2006 13:42:19	Twilight	48.500	48	30Alp Hya	1.9770	4100.0	97	23997	No
75	GOM_NL__2PRFIN20061002_135159_000000382051_00396_23997_2262.N1	02-OCT-2006 13:51:59	Dark	38.000	65	Lam Vel	2.2040	4400.0	76	23997	No
76	GOM_NL__2PRFIN20061002_135438_000000412051_00396_23997_2263.N1	02-OCT-2006 13:54:38	Dark	40.500	34	Gam2Vel	1.7930	23000.	81	23997	No
77	GOM_NL__2PRFIN20061002_173018_000000392051_00399_24000_2254.N1	02-OCT-2006 17:30:18	Dark	38.500	143	Alp Hyi	2.8570	7200.0	77	24000	No
78	GOM_NL__2PRFIN20061002_173146_000000462051_00399_24000_2255.N1	02-OCT-2006 17:31:46	Dark	45.500	9	Alp Eri	0.45300	24000.	91	24000	No
79	GOM_NL__2PRFIN20061002_173705_000000462051_00399_24000_2256.N1	02-OCT-2006 17:37:05	Straylight	45.500	84	Alp Phe	2.3970	4500.0	91	24000	No
80	GOM_NL__2PRFIN20061002_175407_000000372051_00399_24000_2257.N1	02-OCT-2006 17:54:07	Bright	36.500	90	54Alp Peg	2.4870	11000.	73	24000	No
81	GOM_NL__2PRFIN20061002_175744_000000372051_00399_24000_2258.N1	02-OCT-2006 17:57:44	Bright	37.000	93	53Bet Peg	2.5200	3100.0	74	24000	No
82	GOM_NL__2PRFIN20061002_181506_000000432051_00399_24000_2259.N1	02-OCT-2006 18:15:06	Bright	42.500	49	1Alp UMi	1.9900	6300.0	85	24000	No
83	GOM_NL__2PRFIN20061002_182305_000000332051_00399_24000_2260.N1	02-OCT-2006 18:23:05	Bright	33.000	36	50Alp UMa	1.8000	6300.0	66	24000	No
84	GOM_NL__2PRFIN20061002_182436_000000502051_00399_24000_2261.N1	02-OCT-2006 18:24:36	Bright	50.000	82	48Bet UMa	2.3650	10600.	100	24000	No
85	GOM_NL__2PRFIN20061002_183430_000000542051_00399_24000_2262.N1	02-OCT-2006 18:34:30	Bright	54.000	166	17Eps Leo	2.9800	6000.0	108	24000	No
86	GOM_NL__2PRFIN20061002_184408_000000452051_00399_24000_2263.N1	02-OCT-2006 18:44:08	Twilight	45.000	48	30Alp Hya	1.9770	4100.0	90	24000	No
87	GOM_NL__2PRFIN20061002_185348_000000462051_00399_24000_2264.N1	02-OCT-2006 18:53:48	Dark	45.500	65	Lam Vel	2.2040	4400.0	91	24000	No
88	GOM_NL__2PRFIN20061002_185628_000000412051_00399_24000_2265.N1	02-OCT-2006 18:56:28	Dark	41.000	34	Gam2Vel	1.7930	23000.	82	24000	No
89	GOM_NL__2PRFIN20061002_191054_000000392051_00400_24001_2577.N1	02-OCT-2006 19:10:54	Dark	39.000	143	Alp Hyi	2.8570	7200.0	78	24001	No
90	GOM_NL__2PRFIN20061002_191222_000000482051_00400_24001_2578.N1	02-OCT-2006 19:12:22	Dark	47.500	9	Alp Eri	0.45300	24000.	95	24001	No
91	GOM_NL__2PRFIN20061002_191742_000000442051_00400_24001_2579.N1	02-OCT-2006 19:17:42	Straylight	43.500	84	Alp Phe	2.3970	4500.0	87	24001	No
92	GOM_NL__2PRFIN20061002_193443_000000362051_00400_24001_2580.N1	02-OCT-2006 19:34:43	Bright	36.000	90	54Alp Peg	2.4870	11000.	72	24001	No
93	GOM_NL__2PRFIN20061002_193820_000000372051_00400_24001_2581.N1	02-OCT-2006 19:38:20	Bright	37.000	93	53Bet Peg	2.5200	3100.0	74	24001	No
94	GOM_NL__2PRFIN20061002_195542_000000362051_00400_24001_2582.N1	02-OCT-2006 19:55:42	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	24001	No
95	GOM_NL__2PRFIN20061002_200341_000000382051_00400_24001_2583.N1	02-OCT-2006 20:03:41	Bright	37.500	36	50Alp UMa	1.8000	6300.0	75	24001	No
96	GOM_NL__2PRFIN20061002_200512_000000362051_00400_24001_2584.N1	02-OCT-2006 20:05:12	Bright	35.500	82	48Bet UMa	2.3650	10600.	71	24001	No
97	GOM_NL__2PRFIN20061002_201506_000000542051_00400_24001_2585.N1	02-OCT-2006 20:15:06	Bright	54.000	166	17Eps Leo	2.9800	6000.0	108	24001	No
98	GOM_NL__2PRFIN20061002_202444_000000442051_00400_24001_2586.N1	02-OCT-2006 20:24:44	Twilight	43.500	48	30Alp Hya	1.9770	4100.0	87	24001	No
99	GOM_NL__2PRFIN20061002_203425_000000402051_00400_24001_2587.N1	02-OCT-2006 20:34:25	Dark	39.500	65	Lam Vel	2.2040	4400.0	79	24001	No
100	GOM_NL__2PRFIN20061002_203704_000000412051_00400_24001_2588.N1	02-OCT-2006 20:37:04	Dark	40.500	34	Gam2Vel	1.7930	23000.	81	24001	No
101	GOM_NL__2PRFIN20061002_205131_000000382051_00401_24002_2599.N1	02-OCT-2006 20:51:31	Dark	37.500	143	Alp Hyi	2.8570	7200.0	75	24002	No

102	GOM_NL__2PRFIN20061002_205258_000000502051_00401_24002_2600.N1	02-OCT-2006 20:52:58	Dark	49.500	9	Alp Eri	0.45300	24000.	99	24002	No
103	GOM_NL__2PRFIN20061002_205818_000000422051_00401_24002_2601.N1	02-OCT-2006 20:58:18	Straylight	42.000	84	Alp Phe	2.3970	4500.0	84	24002	No
104	GOM_NL__2PRFIN20061002_211519_000000372051_00401_24002_2602.N1	02-OCT-2006 21:15:19	Bright	36.500	90	54Alp Peg	2.4870	11000.	73	24002	No
105	GOM_NL__2PRFIN20061002_211856_000000372051_00401_24002_2603.N1	02-OCT-2006 21:18:56	Bright	37.000	93	53Bet Peg	2.5200	3100.0	74	24002	No
106	GOM_NL__2PRFIN20061002_213618_000000362051_00401_24002_2604.N1	02-OCT-2006 21:36:18	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	24002	No
107	GOM_NL__2PRFIN20061002_214418_000000372051_00401_24002_2605.N1	02-OCT-2006 21:44:18	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	24002	No
108	GOM_NL__2PRFIN20061002_214548_000000362051_00401_24002_2606.N1	02-OCT-2006 21:45:48	Bright	35.500	82	48Bet UMa	2.3650	10600.	71	24002	No
109	GOM_NL__2PRFIN20061002_215542_000000542051_00401_24002_2607.N1	02-OCT-2006 21:55:42	Bright	54.000	166	17Eps Leo	2.9800	6000.0	108	24002	No
110	GOM_NL__2PRFIN20061002_220521_000000412051_00401_24002_2608.N1	02-OCT-2006 22:05:21	Twilight	41.000	48	30Alp Hya	1.9770	4100.0	82	24002	No
111	GOM_NL__2PRFIN20061002_221501_000000492051_00401_24002_2609.N1	02-OCT-2006 22:15:01	Dark	49.000	65	Lam Vel	2.2040	4400.0	98	24002	No
112	GOM_NL__2PRFIN20061002_221741_000000412051_00401_24002_2610.N1	02-OCT-2006 22:17:41	Dark	40.500	34	Gam2Vel	1.7930	23000.	81	24002	No
113	GOM_NL__2PRFIN20061002_223207_000000382051_00402_24003_2601.N1	02-OCT-2006 22:32:07	Dark	37.500	143	Alp Hyi	2.8570	7200.0	75	24003	No
114	GOM_NL__2PRFIN20061002_223335_000000482051_00402_24003_2602.N1	02-OCT-2006 22:33:35	Dark	47.500	9	Alp Eri	0.45300	24000.	95	24003	No
115	GOM_NL__2PRFIN20061002_223854_000000442051_00402_24003_2603.N1	02-OCT-2006 22:38:54	Straylight	44.000	84	Alp Phe	2.3970	4500.0	88	24003	No
116	GOM_NL__2PRFIN20061002_225555_000000362051_00402_24003_2604.N1	02-OCT-2006 22:55:55	Bright	36.000	90	54Alp Peg	2.4870	11000.	72	24003	No
117	GOM_NL__2PRFIN20061002_225932_000000352051_00402_24003_2605.N1	02-OCT-2006 22:59:32	Bright	35.000	93	53Bet Peg	2.5200	3100.0	70	24003	No
118	GOM_NL__2PRFIN20061002_231654_000000352051_00402_24003_2606.N1	02-OCT-2006 23:16:54	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	24003	No
119	GOM_NL__2PRFIN20061002_232454_000000372051_00402_24003_2607.N1	02-OCT-2006 23:24:54	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	24003	No
120	GOM_NL__2PRFIN20061002_232624_000000352051_00402_24003_2608.N1	02-OCT-2006 23:26:24	Bright	35.000	82	48Bet UMa	2.3650	10600.	70	24003	No
121	GOM_NL__2PRFIN20061002_233618_000000362051_00402_24003_2609.N1	02-OCT-2006 23:36:18	Bright	36.000	166	17Eps Leo	2.9800	6000.0	72	24003	No
122	GOM_NL__2PRFIN20061002_234557_000000502051_00402_24003_2610.N1	02-OCT-2006 23:45:57	Twilight	49.500	48	30Alp Hya	1.9770	4100.0	99	24003	No
123	GOM_NL__2PRFIN20061002_235537_000000502051_00402_24003_2611.N1	02-OCT-2006 23:55:37	Dark	50.000	65	Lam Vel	2.2040	4400.0	100	24003	No
124	GOM_NL__2PRFIN20061002_235817_000000432051_00402_24003_2612.N1	02-OCT-2006 23:58:17	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	24003	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.

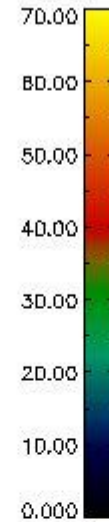
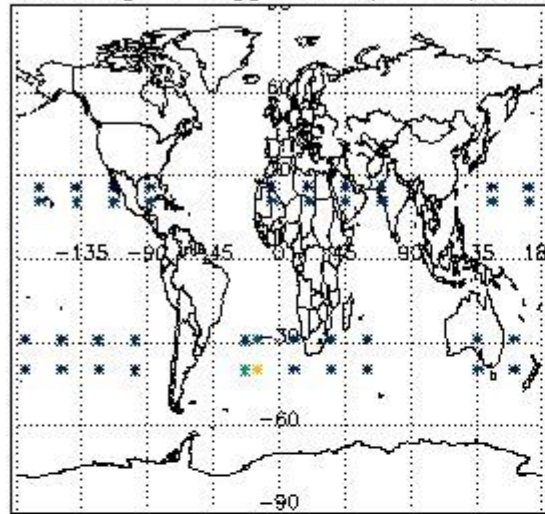
#### 3.1 Plot quality information per product (time dependant)



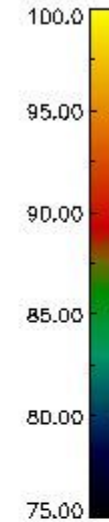
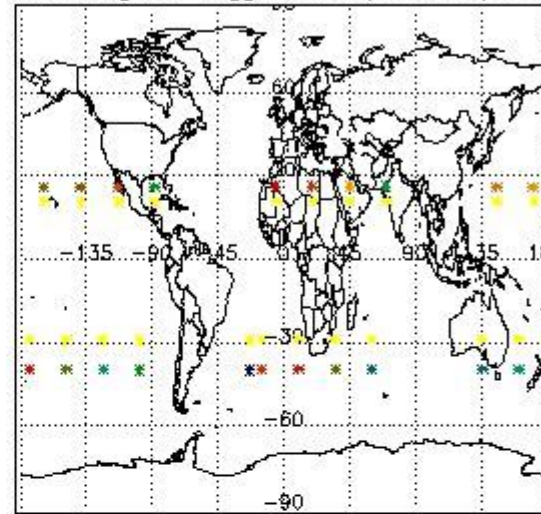
*3.2 Plot quality information per product (world map)*



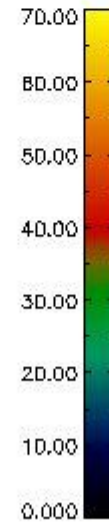
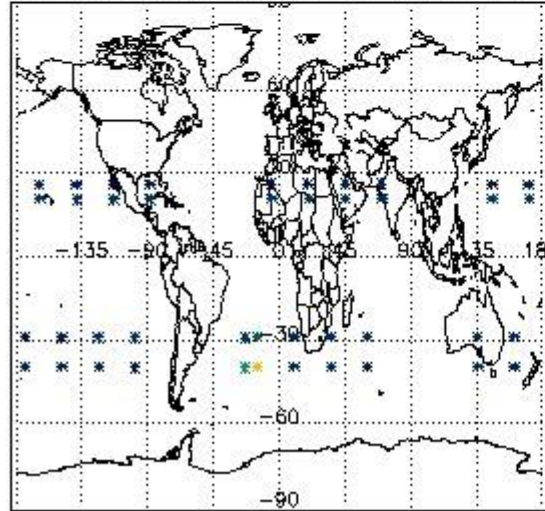
Percentage of flagged data per O3 profile



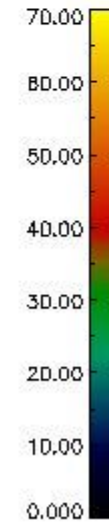
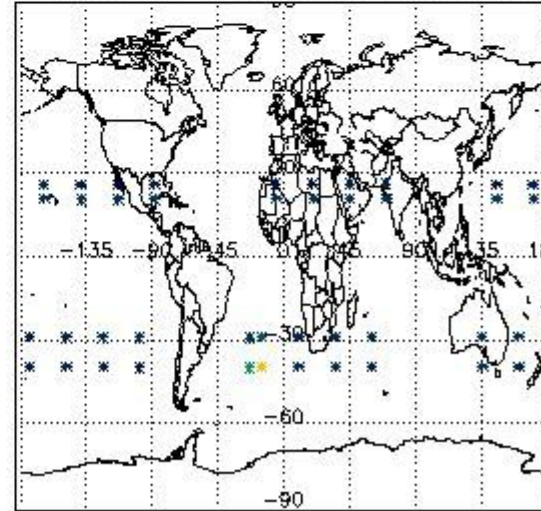
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

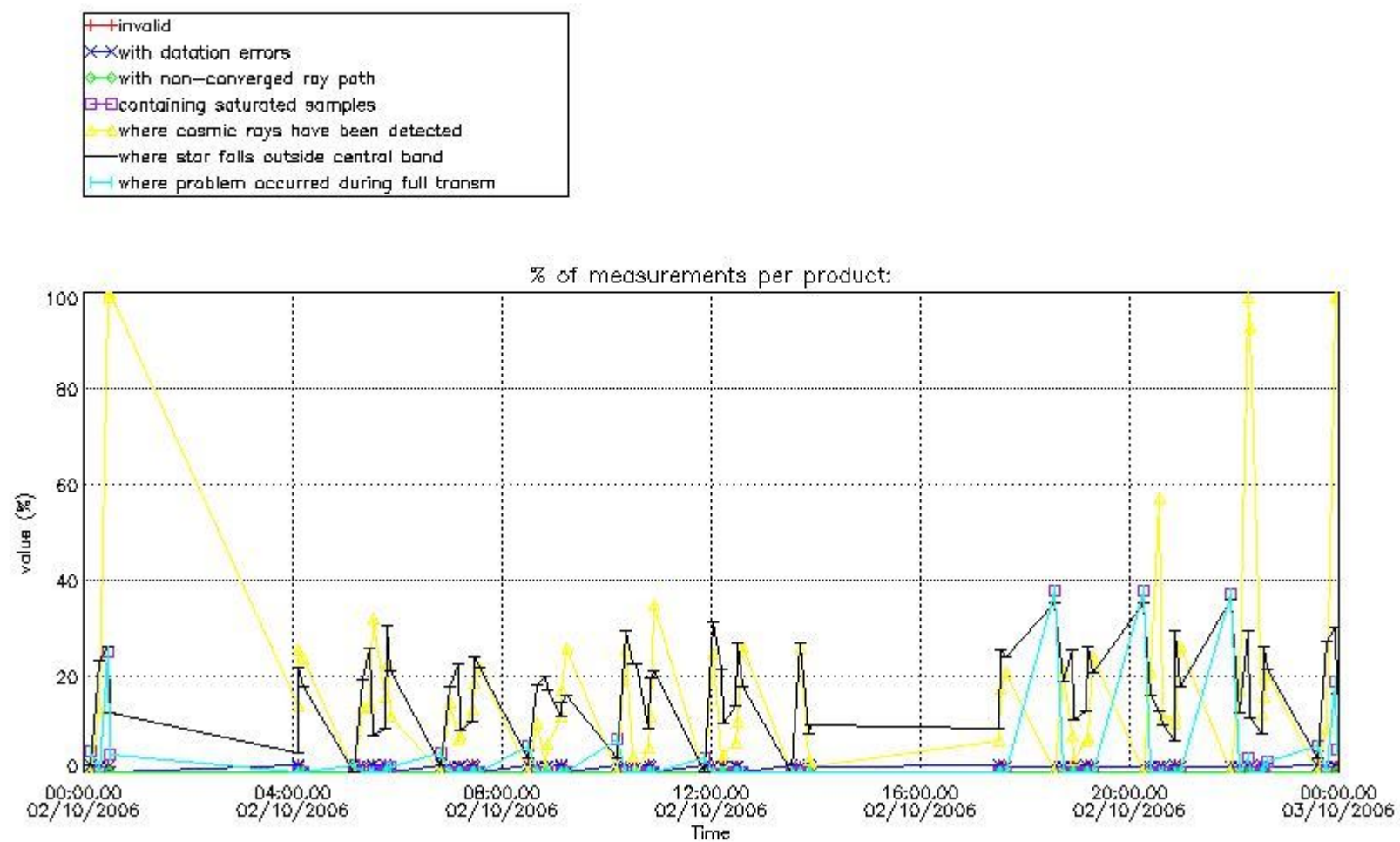


#### 4. Level 1 quality information per product

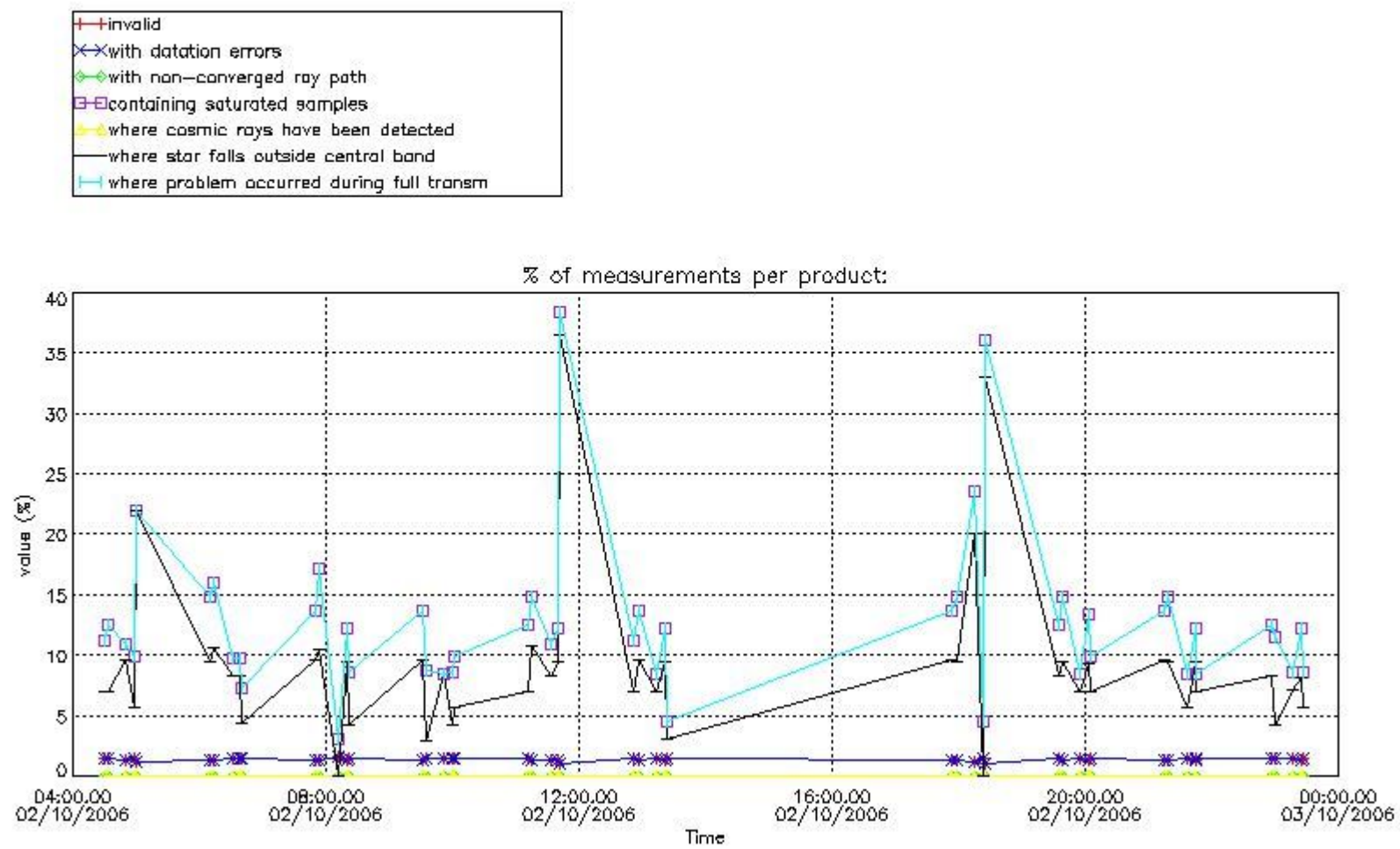
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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

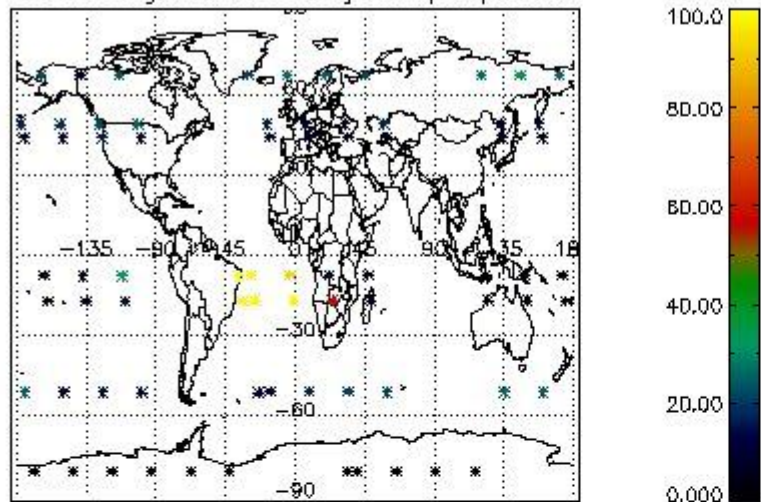


4.2 Plot quality information per product coming from level 1b processing (world map)

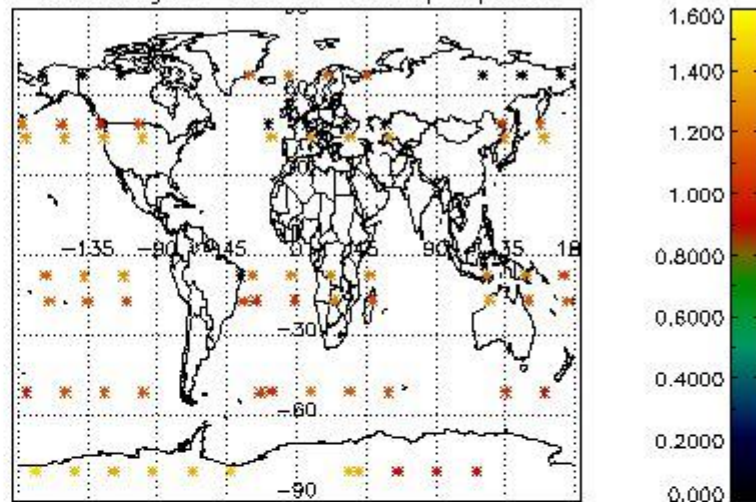
4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes



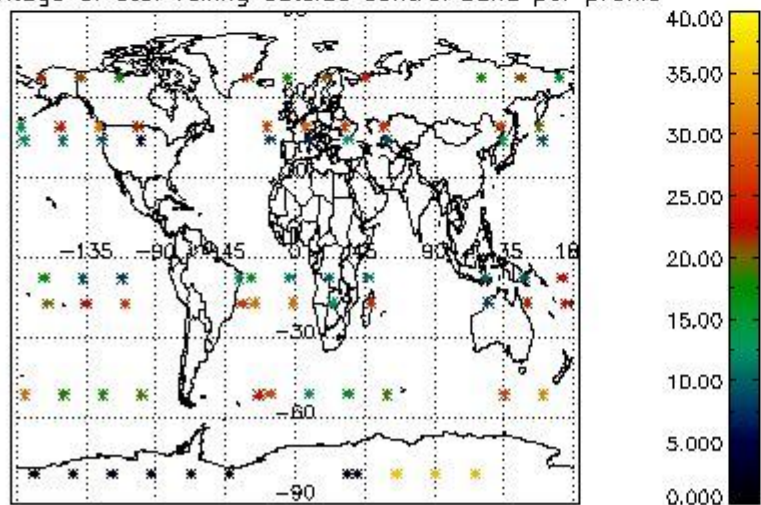
Percentage of cosmic ray hits per profile



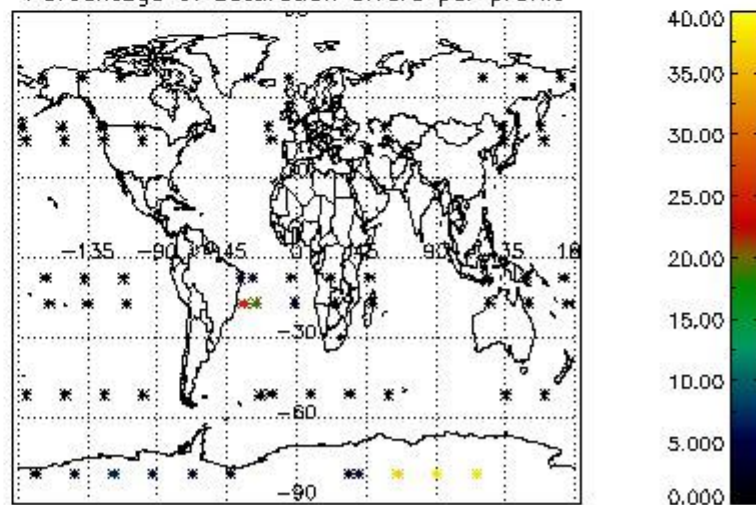
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

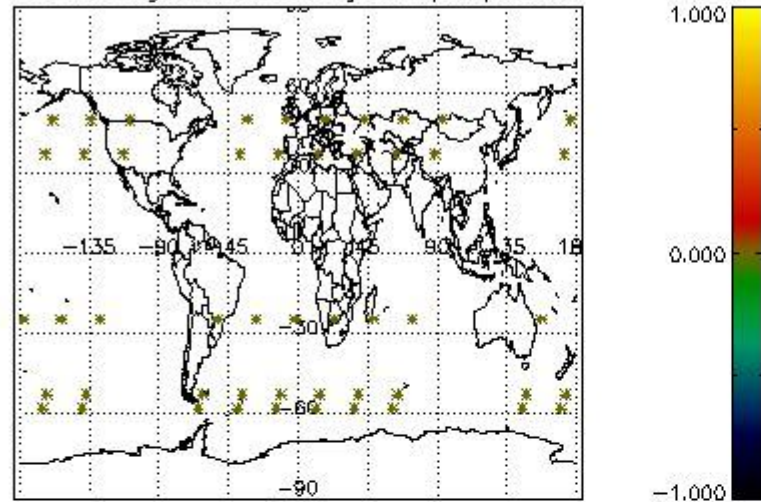


Percentage of saturation errors per profile

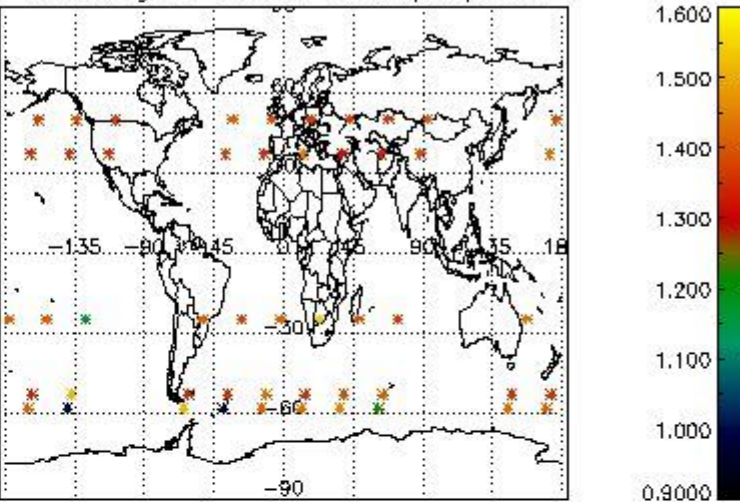


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

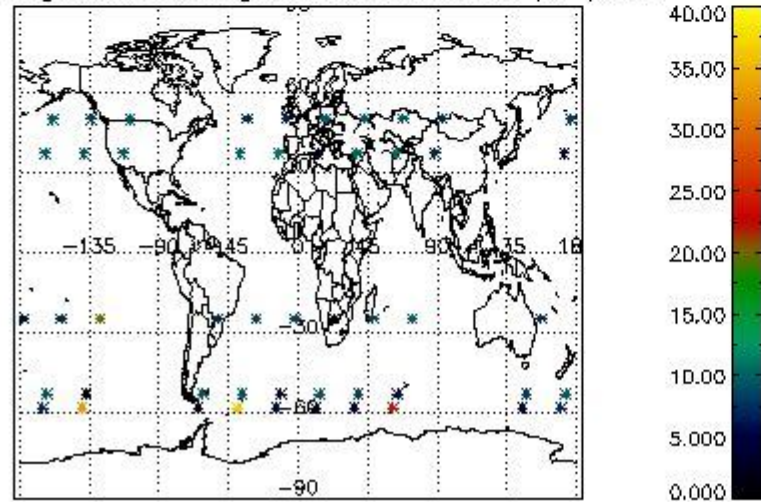
Percentage of cosmic ray hits per profile



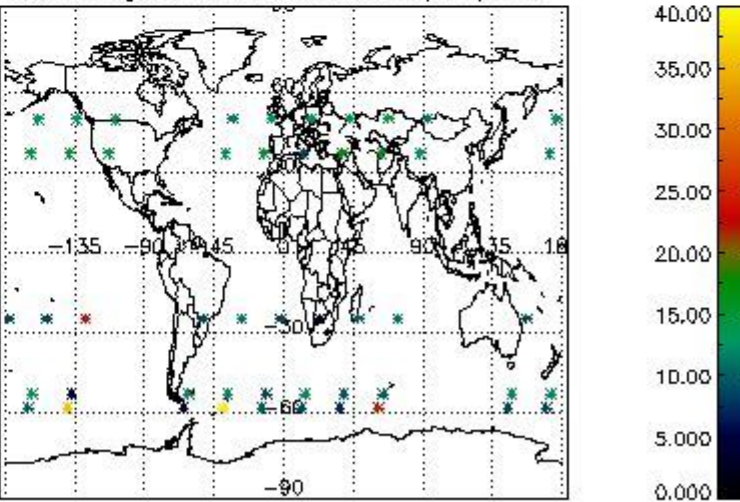
Percentage of datation errors per profile



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.

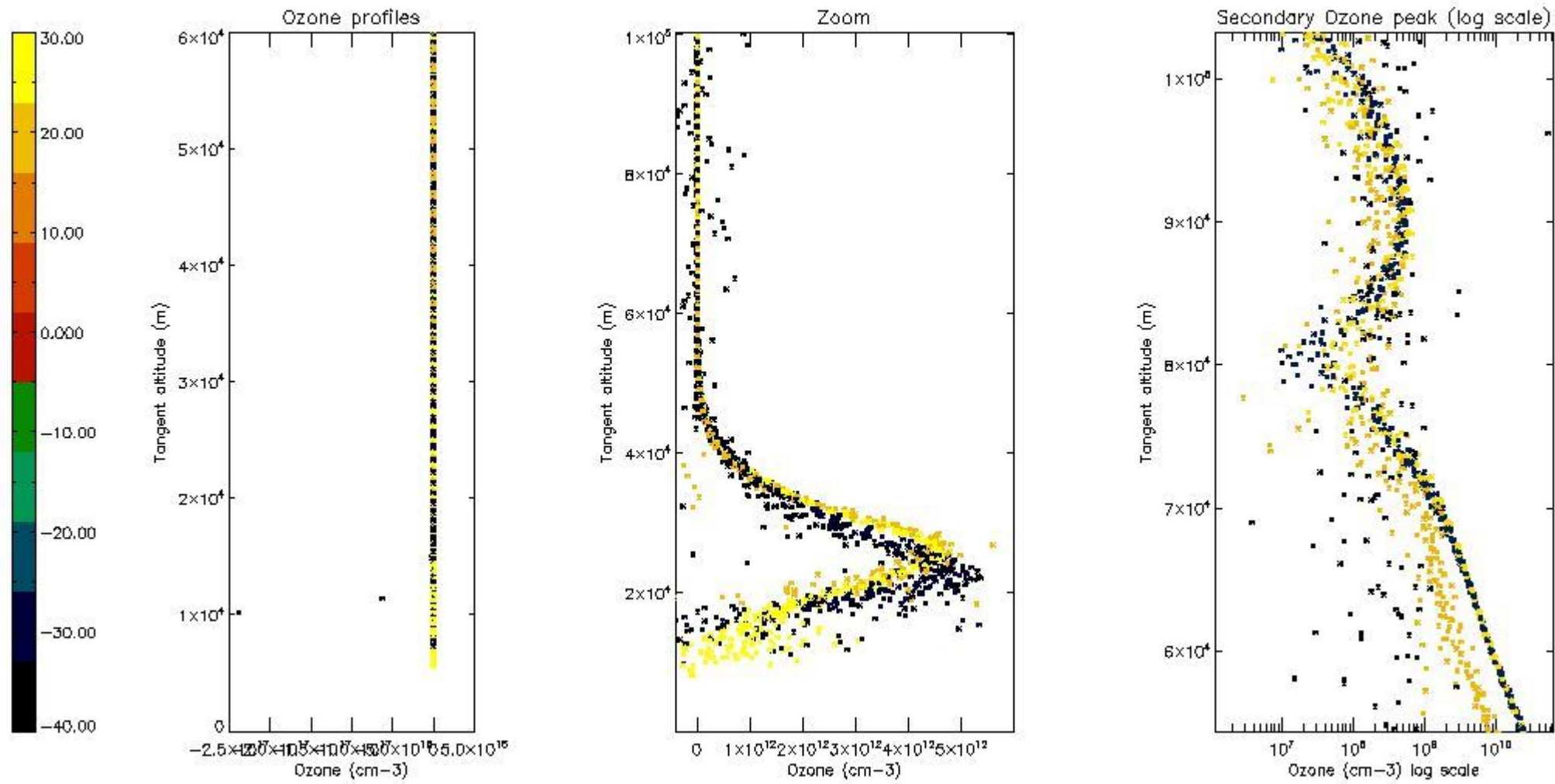
Criteria	% of total production
All STD	36
STD < 20	20



STD < 10	15
STD < 5	11

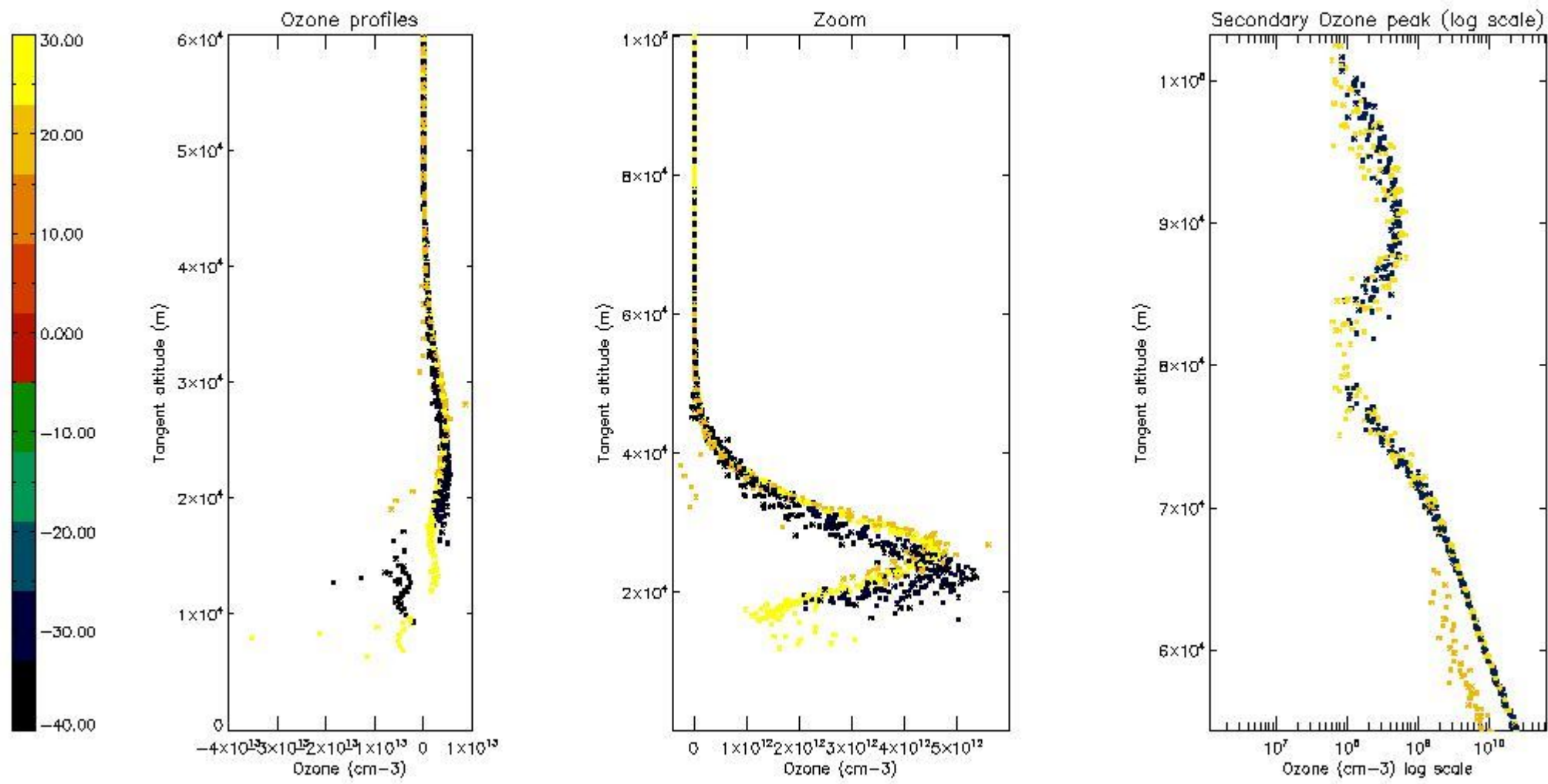
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

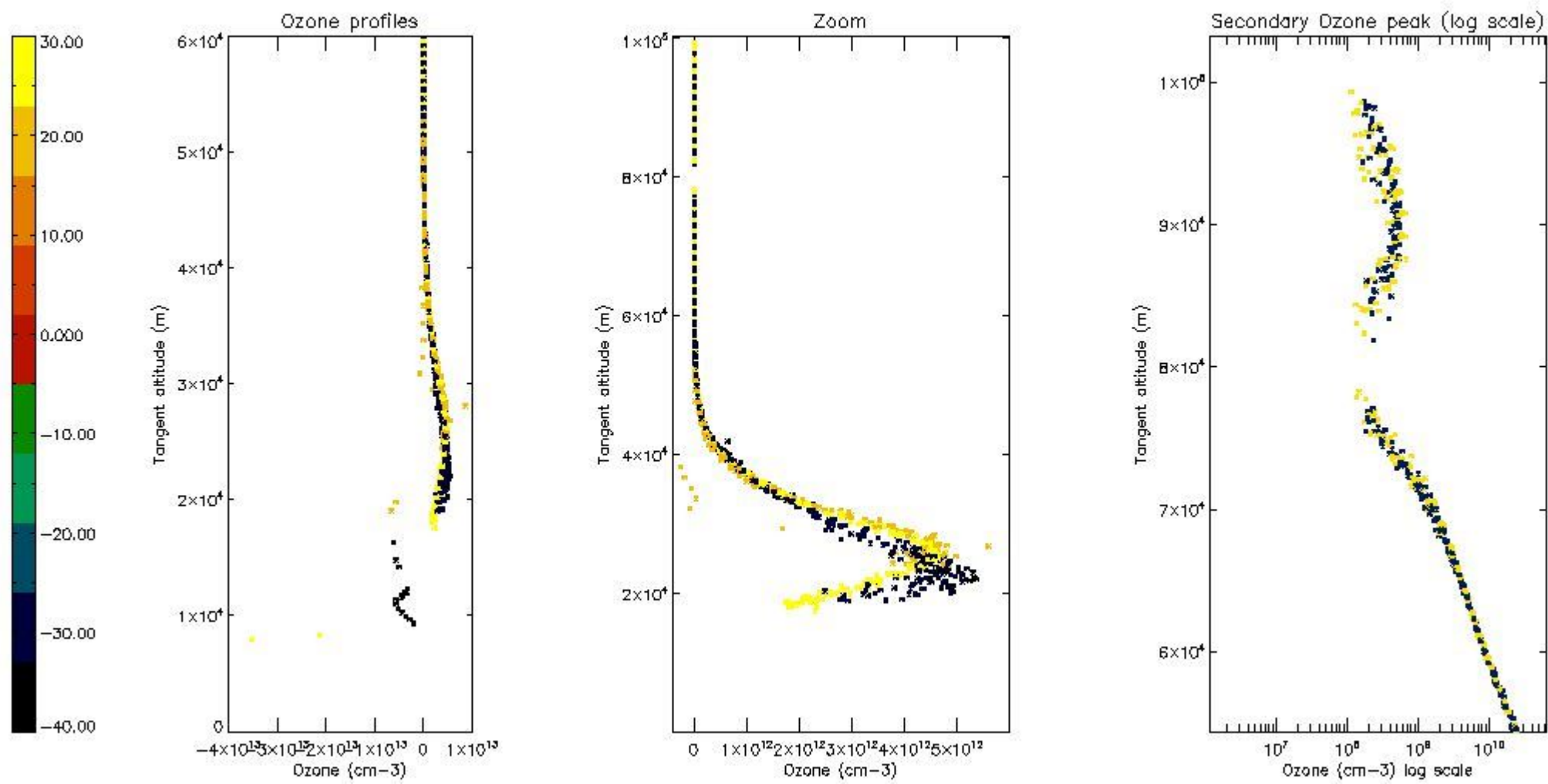
The colorbar represents the latitude.



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

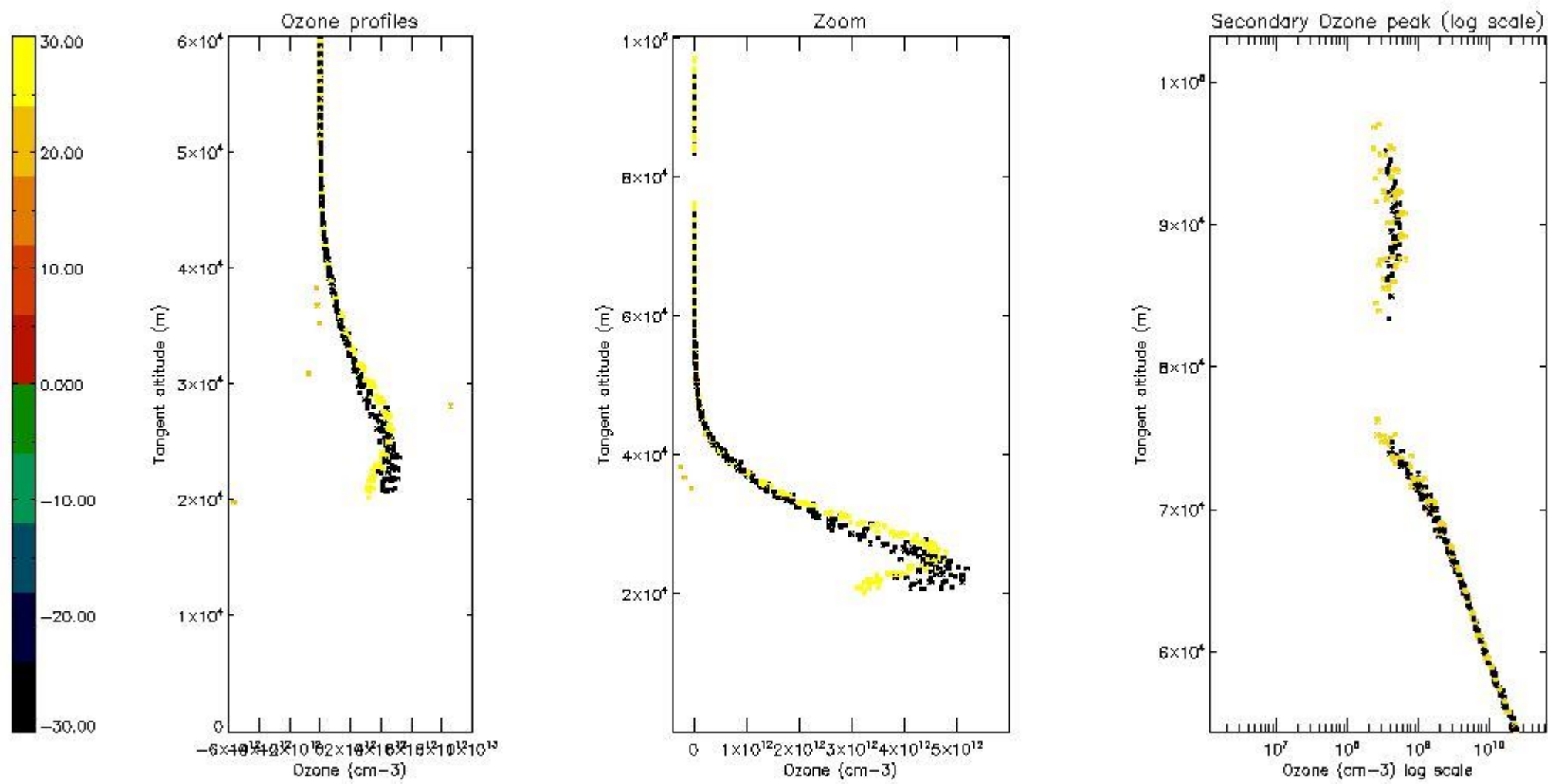
The colorbar represents the latitude.





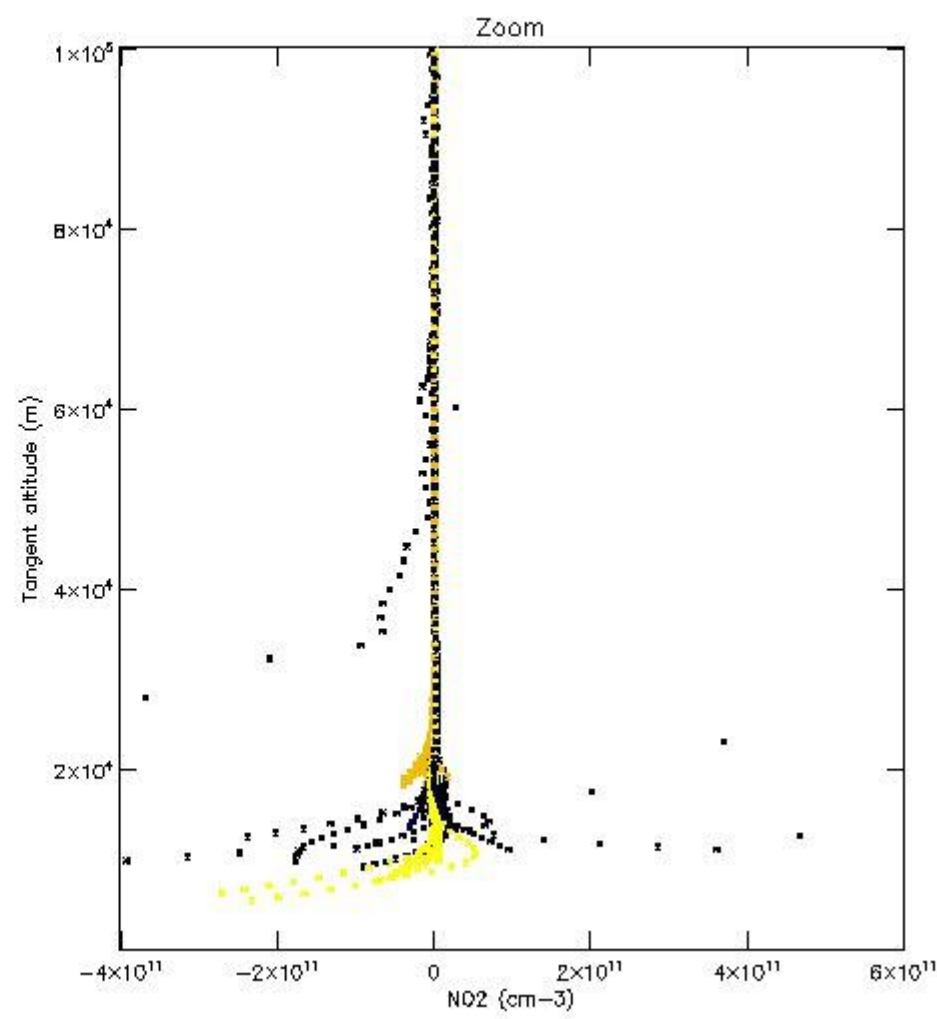
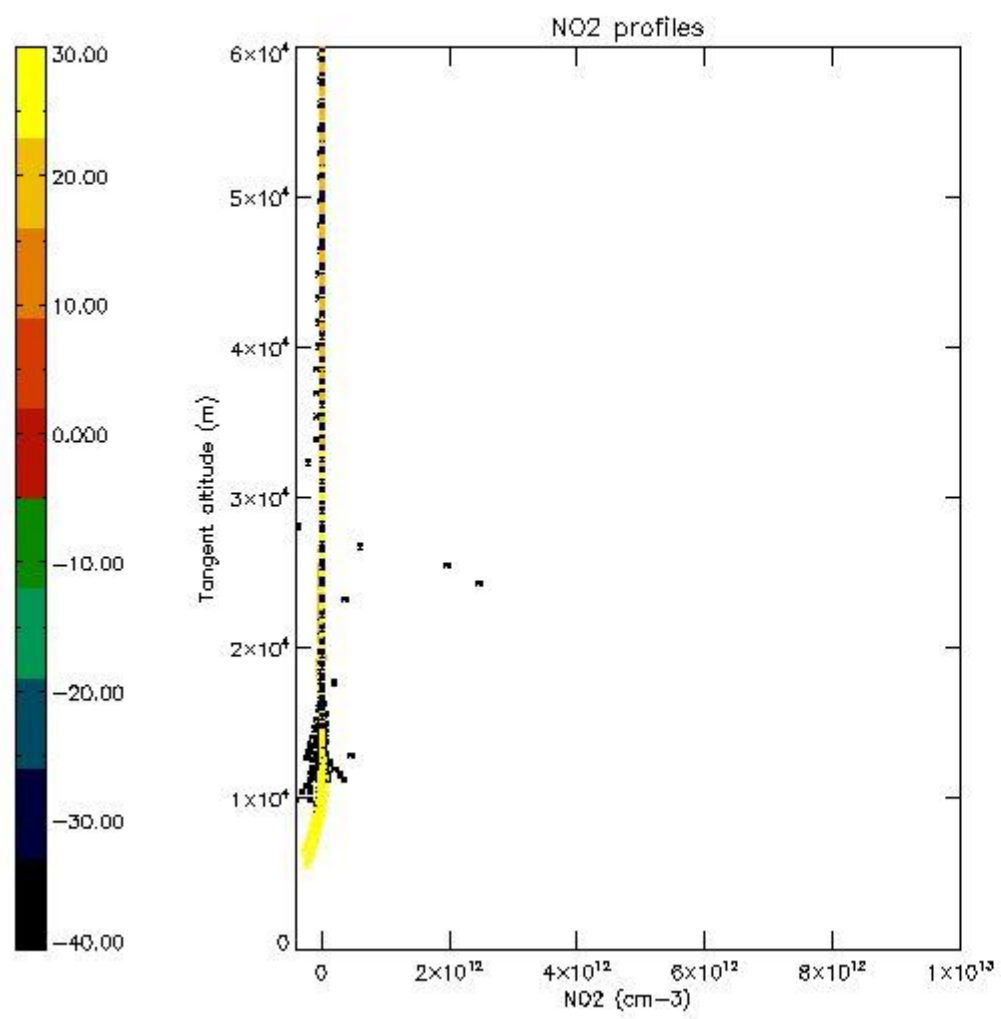
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



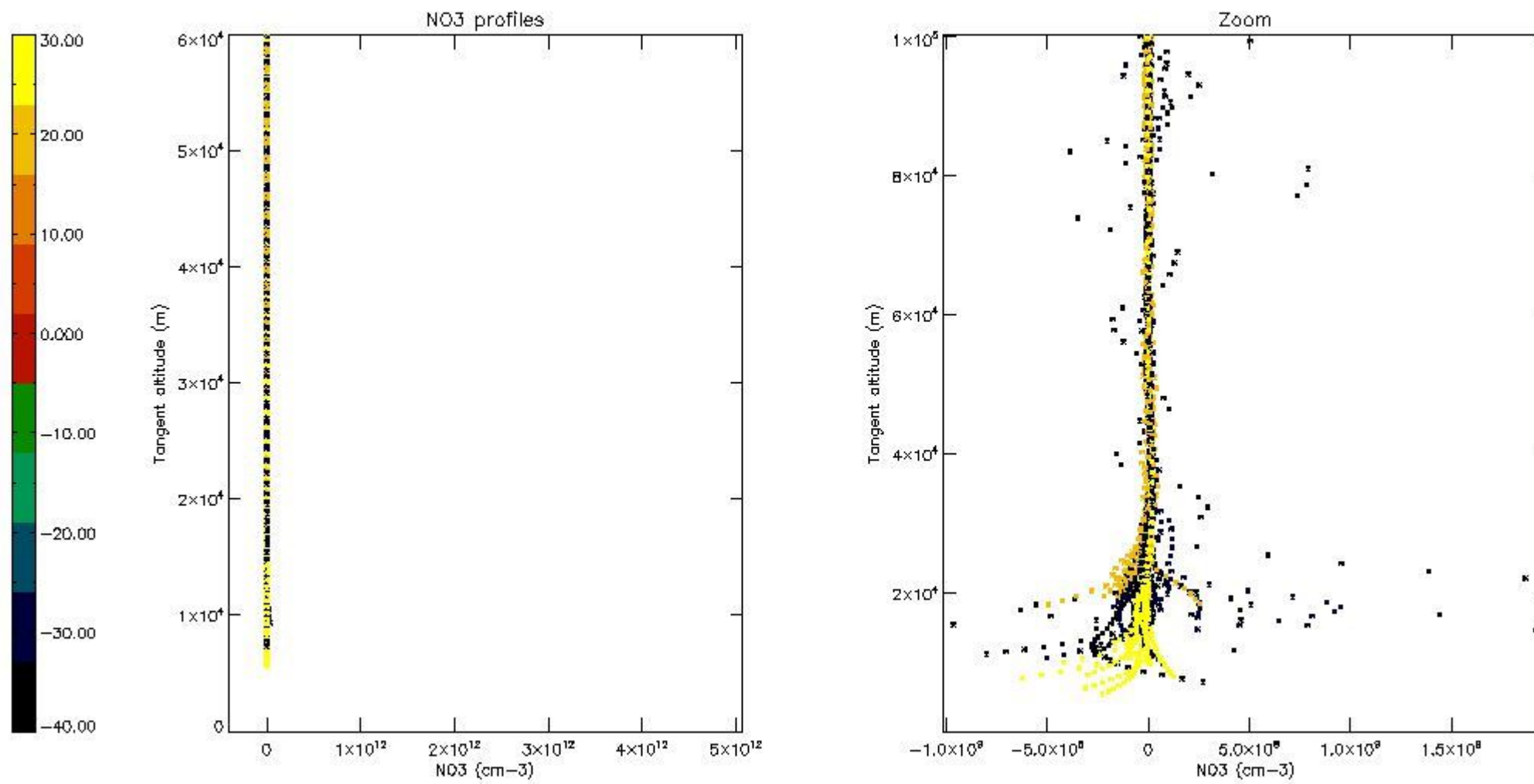
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

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	02-OCT-2006 00:07:52
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	02-OCT-2006 00:07:52
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	02-OCT-2006 00:07:52



# GOMOS Level 2 Daily Report

## SUMMARY

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#### [4.1 Plot of level 1 quality information per product \(time dependant\)](#)

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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% \(dark without errors\)](#)

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#### [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	24APR2013 04:37:02
Data source version	GOMOS/6.01
Start time of products	02-10-2006 (02OCT2006 00:00:00)
Stop time of products	03-10-2006 (03OCT2006 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	124
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__2PRFIN20061002_000752_000000362051_00388_23989_2258.N1	02-OCT-2006 00:07:52	Bright	35.500	166	17Eps Leo	2.9800	6000.0	71	23989	No
2	GOM_NL__2PRFIN20061002_001728_000000472051_00388_23989_2259.N1	02-OCT-2006 00:17:28	Twilight	47.000	48	30Alp Hya	1.9770	4100.0	94	23989	No
3	GOM_NL__2PRFIN20061002_002709_000000462051_00388_23989_2260.N1	02-OCT-2006 00:27:09	Dark	46.000	65	Lam Vel	2.2040	4400.0	92	23989	No
4	GOM_NL__2PRFIN20061002_002946_000000412051_00388_23989_2261.N1	02-OCT-2006 00:29:46	Dark	41.000	34	Gam2Vel	1.7930	23000.	82	23989	No
5	GOM_NL__2PRFIN20061002_040527_000000372051_00391_23992_2252.N1	02-OCT-2006 04:05:27	Dark	36.500	143	Alp Hyi	2.8570	7200.0	73	23992	No
6	GOM_NL__2PRFIN20061002_040655_000000462051_00391_23992_2253.N1	02-OCT-2006 04:06:55	Dark	45.500	9	Alp Eri	0.45300	24000.	91	23992	No
7	GOM_NL__2PRFIN20061002_041215_000000422051_00391_23992_2254.N1	02-OCT-2006 04:12:15	Straylight	42.000	84	Alp Phe	2.3970	4500.0	84	23992	No
8	GOM_NL__2PRFIN20061002_042919_000000362051_00391_23992_2255.N1	02-OCT-2006 04:29:19	Bright	35.500	90	54Alp Peg	2.4870	11000.	71	23992	No
9	GOM_NL__2PRFIN20061002_043256_000000362051_00391_23992_2256.N1	02-OCT-2006 04:32:56	Bright	36.000	93	53Bet Peg	2.5200	3100.0	72	23992	No
10	GOM_NL__2PRFIN20061002_045018_000000372051_00391_23992_2257.N1	02-OCT-2006 04:50:18	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	23992	No
11	GOM_NL__2PRFIN20061002_045817_000000362051_00391_23992_2258.N1	02-OCT-2006 04:58:17	Bright	35.500	36	50Alp UMa	1.8000	6300.0	71	23992	No
12	GOM_NL__2PRFIN20061002_045947_000000412051_00391_23992_2259.N1	02-OCT-2006 04:59:47	Bright	41.000	82	48Bet UMa	2.3650	10600.	82	23992	No
13	GOM_NL__2PRFIN20061002_050941_000000352051_00391_23992_2260.N1	02-OCT-2006 05:09:41	Bright	34.500	166	17Eps Leo	2.9800	6000.0	69	23992	No
14	GOM_NL__2PRFIN20061002_051917_000000452051_00391_23992_2261.N1	02-OCT-2006 05:19:17	Twilight	44.500	48	30Alp Hya	1.9770	4100.0	89	23992	No
15	GOM_NL__2PRFIN20061002_052858_000000472051_00391_23992_2262.N1	02-OCT-2006 05:28:58	Dark	46.500	65	Lam Vel	2.2040	4400.0	93	23992	No
16	GOM_NL__2PRFIN20061002_053135_000000392051_00391_23992_2263.N1	02-OCT-2006 05:31:35	Dark	39.000	34	Gam2Vel	1.7930	23000.	78	23992	No
17	GOM_NL__2PRFIN20061002_054604_000000382051_00392_23993_2563.N1	02-OCT-2006 05:46:04	Dark	38.000	143	Alp Hyi	2.8570	7200.0	76	23993	No
18	GOM_NL__2PRFIN20061002_054731_000000512051_00392_23993_2564.N1	02-OCT-2006 05:47:31	Dark	51.000	9	Alp Eri	0.45300	24000.	102	23993	No
19	GOM_NL__2PRFIN20061002_055252_000000432051_00392_23993_2565.N1	02-OCT-2006 05:52:52	Straylight	43.000	84	Alp Phe	2.3970	4500.0	86	23993	No
20	GOM_NL__2PRFIN20061002_060955_000000372051_00392_23993_2566.N1	02-OCT-2006 06:09:55	Bright	37.000	90	54Alp Peg	2.4870	11000.	74	23993	No
21	GOM_NL__2PRFIN20061002_061332_000000382051_00392_23993_2567.N1	02-OCT-2006 06:13:32	Bright	37.500	93	53Bet Peg	2.5200	3100.0	75	23993	No
22	GOM_NL__2PRFIN20061002_063055_000000362051_00392_23993_2568.N1	02-OCT-2006 06:30:55	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	23993	No
23	GOM_NL__2PRFIN20061002_063853_000000362051_00392_23993_2569.N1	02-OCT-2006 06:38:53	Bright	36.000	36	50Alp UMa	1.8000	6300.0	72	23993	No
24	GOM_NL__2PRFIN20061002_064023_000000352051_00392_23993_2570.N1	02-OCT-2006 06:40:23	Bright	34.500	82	48Bet UMa	2.3650	10600.	69	23993	No
25	GOM_NL__2PRFIN20061002_065017_000000362051_00392_23993_2571.N1	02-OCT-2006 06:50:17	Bright	36.000	166	17Eps Leo	2.9800	6000.0	72	23993	No
26	GOM_NL__2PRFIN20061002_065954_000000452051_00392_23993_2572.N1	02-OCT-2006 06:59:54	Twilight	44.500	48	30Alp Hya	1.9770	4100.0	89	23993	No
27	GOM_NL__2PRFIN20061002_070934_000000452051_00392_23993_2573.N1	02-OCT-2006 07:09:34	Dark	44.500	65	Lam Vel	2.2040	4400.0	89	23993	No
28	GOM_NL__2PRFIN20061002_071212_000000402051_00392_23993_2574.N1	02-OCT-2006 07:12:12	Dark	39.500	34	Gam2Vel	1.7930	23000.	79	23993	No
29	GOM_NL__2PRFIN20061002_072640_000000392051_00393_23994_2565.N1	02-OCT-2006 07:26:40	Dark	38.500	143	Alp Hyi	2.8570	7200.0	77	23994	No
30	GOM_NL__2PRFIN20061002_072808_000000462051_00393_23994_2566.N1	02-OCT-2006 07:28:08	Dark	46.000	9	Alp Eri	0.45300	24000.	92	23994	No
31	GOM_NL__2PRFIN20061002_073328_000000442051_00393_23994_2567.N1	02-OCT-2006 07:33:28	Straylight	43.500	84	Alp Phe	2.3970	4500.0	87	23994	No
32	GOM_NL__2PRFIN20061002_075031_000000372051_00393_23994_2568.N1	02-OCT-2006 07:50:31	Bright	36.500	90	54Alp Peg	2.4870	11000.	73	23994	No
33	GOM_NL__2PRFIN20061002_075408_000000382051_00393_23994_2569.N1	02-OCT-2006 07:54:08	Bright	38.000	93	53Bet Peg	2.5200	3100.0	76	23994	No
34	GOM_NL__2PRFIN20061002_081131_000000332051_00393_23994_2570.N1	02-OCT-2006 08:11:31	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	23994	No
35	GOM_NL__2PRFIN20061002_081929_000000372051_00393_23994_2571.N1	02-OCT-2006 08:19:29	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	23994	No
36	GOM_NL__2PRFIN20061002_082059_000000352051_00393_23994_2572.N1	02-OCT-2006 08:20:59	Bright	35.000	82	48Bet UMa	2.3650	10600.	70	23994	No
37	GOM_NL__2PRFIN20061002_083053_000000362051_00393_23994_2573.N1	02-OCT-2006 08:30:53	Bright	36.000	166	17Eps Leo	2.9800	6000.0	72	23994	No
38	GOM_NL__2PRFIN20061002_084030_000000442051_00393_23994_2574.N1	02-OCT-2006 08:40:30	Twilight	44.000	48	30Alp Hya	1.9770	4100.0	88	23994	No
39	GOM_NL__2PRFIN20061002_085010_000000432051_00393_23994_2575.N1	02-OCT-2006 08:50:10	Dark	42.500	65	Lam Vel	2.2040	4400.0	85	23994	No
40	GOM_NL__2PRFIN20061002_085249_000000442051_00393_23994_2576.N1	02-OCT-2006 08:52:49	Dark	43.500	34	Gam2Vel	1.7930	23000.	87	23994	No
41	GOM_NL__2PRFIN20061002_090717_000000392051_00394_23995_2567.N1	02-OCT-2006 09:07:17	Dark	38.500	143	Alp Hyi	2.8570	7200.0	77	23995	No
42	GOM_NL__2PRFIN20061002_090844_000000412051_00394_23995_2568.N1	02-OCT-2006 09:08:44	Dark	41.000	9	Alp Eri	0.45300	24000.	82	23995	No

43	GOM_NL__2PRFIN20061002_091404_000000412051_00394_23995_2569.N1	02-OCT-2006 09:14:04	Straylight	40.500	84	Alp Phe	2.3970	4500.0	81	23995	No
44	GOM_NL__2PRFIN20061002_093107_000000372051_00394_23995_2570.N1	02-OCT-2006 09:31:07	Bright	36.500	90	54Alp Peg	2.4870	11000.	73	23995	No
45	GOM_NL__2PRFIN20061002_093444_000000352051_00394_23995_2571.N1	02-OCT-2006 09:34:44	Bright	34.500	93	53Bet Peg	2.5200	3100.0	69	23995	No
46	GOM_NL__2PRFIN20061002_095206_000000362051_00394_23995_2572.N1	02-OCT-2006 09:52:06	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	23995	No
47	GOM_NL__2PRFIN20061002_100005_000000352051_00394_23995_2573.N1	02-OCT-2006 10:00:05	Bright	35.000	36	50Alp UMa	1.8000	6300.0	70	23995	No
48	GOM_NL__2PRFIN20061002_100135_000000362051_00394_23995_2574.N1	02-OCT-2006 10:01:35	Bright	35.500	82	48Bet UMa	2.3650	10600.	71	23995	No
49	GOM_NL__2PRFIN20061002_101129_000000372051_00394_23995_2575.N1	02-OCT-2006 10:11:29	Bright	36.500	166	17Eps Leo	2.9800	6000.0	73	23995	No
50	GOM_NL__2PRFIN20061002_102106_000000512051_00394_23995_2576.N1	02-OCT-2006 10:21:06	Twilight	51.000	48	30Alp Hya	1.9770	4100.0	102	23995	No
51	GOM_NL__2PRFIN20061002_103047_000000452051_00394_23995_2577.N1	02-OCT-2006 10:30:47	Dark	44.500	65	Lam Vel	2.2040	4400.0	89	23995	No
52	GOM_NL__2PRFIN20061002_103325_000000472051_00394_23995_2578.N1	02-OCT-2006 10:33:25	Dark	46.500	34	Gam2Vel	1.7930	23000.	93	23995	No
53	GOM_NL__2PRFIN20061002_104753_000000382051_00395_23996_2569.N1	02-OCT-2006 10:47:53	Dark	38.000	143	Alp Hyi	2.8570	7200.0	76	23996	No
54	GOM_NL__2PRFIN20061002_104921_000000442051_00395_23996_2570.N1	02-OCT-2006 10:49:21	Dark	43.500	9	Alp Eri	0.45300	24000.	87	23996	No
55	GOM_NL__2PRFIN20061002_105440_000000432051_00395_23996_2571.N1	02-OCT-2006 10:54:40	Straylight	43.000	84	Alp Phe	2.3970	4500.0	86	23996	No
56	GOM_NL__2PRFIN20061002_111143_000000362051_00395_23996_2572.N1	02-OCT-2006 11:11:43	Bright	36.000	90	54Alp Peg	2.4870	11000.	72	23996	No
57	GOM_NL__2PRFIN20061002_111520_000000372051_00395_23996_2573.N1	02-OCT-2006 11:15:20	Bright	37.000	93	53Bet Peg	2.5200	3100.0	74	23996	No
58	GOM_NL__2PRFIN20061002_113242_000000372051_00395_23996_2574.N1	02-OCT-2006 11:32:42	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	23996	No
59	GOM_NL__2PRFIN20061002_114041_000000372051_00395_23996_2575.N1	02-OCT-2006 11:40:41	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	23996	No
60	GOM_NL__2PRFIN20061002_114212_000000522051_00395_23996_2576.N1	02-OCT-2006 11:42:12	Bright	52.000	82	48Bet UMa	2.3650	10600.	104	23996	No
61	GOM_NL__2PRFIN20061002_115205_000000352051_00395_23996_2577.N1	02-OCT-2006 11:52:05	Bright	35.000	166	17Eps Leo	2.9800	6000.0	70	23996	No
62	GOM_NL__2PRFIN20061002_120143_000000532051_00395_23996_2578.N1	02-OCT-2006 12:01:43	Twilight	52.500	48	30Alp Hya	1.9770	4100.0	105	23996	No
63	GOM_NL__2PRFIN20061002_121123_000000442051_00395_23996_2579.N1	02-OCT-2006 12:11:23	Dark	44.000	65	Lam Vel	2.2040	4400.0	88	23996	No
64	GOM_NL__2PRFIN20061002_121402_000000402051_00395_23996_2580.N1	02-OCT-2006 12:14:02	Dark	40.000	34	Gam2Vel	1.7930	23000.	80	23996	No
65	GOM_NL__2PRFIN20061002_122829_000000402051_00396_23997_2252.N1	02-OCT-2006 12:28:29	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	23997	No
66	GOM_NL__2PRFIN20061002_122957_000000482051_00396_23997_2253.N1	02-OCT-2006 12:29:57	Dark	48.000	9	Alp Eri	0.45300	24000.	96	23997	No
67	GOM_NL__2PRFIN20061002_123516_000000422051_00396_23997_2254.N1	02-OCT-2006 12:35:16	Straylight	42.000	84	Alp Phe	2.3970	4500.0	84	23997	No
68	GOM_NL__2PRFIN20061002_125219_000000362051_00396_23997_2255.N1	02-OCT-2006 12:52:19	Bright	35.500	90	54Alp Peg	2.4870	11000.	71	23997	No
69	GOM_NL__2PRFIN20061002_125556_000000372051_00396_23997_2256.N1	02-OCT-2006 12:55:56	Bright	36.500	93	53Bet Peg	2.5200	3100.0	73	23997	No
70	GOM_NL__2PRFIN20061002_131318_000000362051_00396_23997_2257.N1	02-OCT-2006 13:13:18	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	23997	No
71	GOM_NL__2PRFIN20061002_132117_000000372051_00396_23997_2258.N1	02-OCT-2006 13:21:17	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	23997	No
72	GOM_NL__2PRFIN20061002_132247_000000332051_00396_23997_2259.N1	02-OCT-2006 13:22:47	Bright	33.000	82	48Bet UMa	2.3650	10600.	66	23997	No
73	GOM_NL__2PRFIN20061002_133241_000000342051_00396_23997_2260.N1	02-OCT-2006 13:32:41	Bright	33.500	166	17Eps Leo	2.9800	6000.0	67	23997	No
74	GOM_NL__2PRFIN20061002_134219_000000492051_00396_23997_2261.N1	02-OCT-2006 13:42:19	Twilight	48.500	48	30Alp Hya	1.9770	4100.0	97	23997	No
75	GOM_NL__2PRFIN20061002_135159_000000382051_00396_23997_2262.N1	02-OCT-2006 13:51:59	Dark	38.000	65	Lam Vel	2.2040	4400.0	76	23997	No
76	GOM_NL__2PRFIN20061002_135438_000000412051_00396_23997_2263.N1	02-OCT-2006 13:54:38	Dark	40.500	34	Gam2Vel	1.7930	23000.	81	23997	No
77	GOM_NL__2PRFIN20061002_173018_000000392051_00399_24000_2254.N1	02-OCT-2006 17:30:18	Dark	38.500	143	Alp Hyi	2.8570	7200.0	77	24000	No
78	GOM_NL__2PRFIN20061002_173146_000000462051_00399_24000_2255.N1	02-OCT-2006 17:31:46	Dark	45.500	9	Alp Eri	0.45300	24000.	91	24000	No
79	GOM_NL__2PRFIN20061002_173705_000000462051_00399_24000_2256.N1	02-OCT-2006 17:37:05	Straylight	45.500	84	Alp Phe	2.3970	4500.0	91	24000	No
80	GOM_NL__2PRFIN20061002_175407_000000372051_00399_24000_2257.N1	02-OCT-2006 17:54:07	Bright	36.500	90	54Alp Peg	2.4870	11000.	73	24000	No
81	GOM_NL__2PRFIN20061002_175744_000000372051_00399_24000_2258.N1	02-OCT-2006 17:57:44	Bright	37.000	93	53Bet Peg	2.5200	3100.0	74	24000	No
82	GOM_NL__2PRFIN20061002_181506_000000432051_00399_24000_2259.N1	02-OCT-2006 18:15:06	Bright	42.500	49	1Alp UMi	1.9900	6300.0	85	24000	No
83	GOM_NL__2PRFIN20061002_182305_000000332051_00399_24000_2260.N1	02-OCT-2006 18:23:05	Bright	33.000	36	50Alp UMa	1.8000	6300.0	66	24000	No
84	GOM_NL__2PRFIN20061002_182436_000000502051_00399_24000_2261.N1	02-OCT-2006 18:24:36	Bright	50.000	82	48Bet UMa	2.3650	10600.	100	24000	No
85	GOM_NL__2PRFIN20061002_183430_000000542051_00399_24000_2262.N1	02-OCT-2006 18:34:30	Bright	54.000	166	17Eps Leo	2.9800	6000.0	108	24000	No
86	GOM_NL__2PRFIN20061002_184408_000000452051_00399_24000_2263.N1	02-OCT-2006 18:44:08	Twilight	45.000	48	30Alp Hya	1.9770	4100.0	90	24000	No
87	GOM_NL__2PRFIN20061002_185348_000000462051_00399_24000_2264.N1	02-OCT-2006 18:53:48	Dark	45.500	65	Lam Vel	2.2040	4400.0	91	24000	No
88	GOM_NL__2PRFIN20061002_185628_000000412051_00399_24000_2265.N1	02-OCT-2006 18:56:28	Dark	41.000	34	Gam2Vel	1.7930	23000.	82	24000	No
89	GOM_NL__2PRFIN20061002_191054_000000392051_00400_24001_2577.N1	02-OCT-2006 19:10:54	Dark	39.000	143	Alp Hyi	2.8570	7200.0	78	24001	No
90	GOM_NL__2PRFIN20061002_191222_000000482051_00400_24001_2578.N1	02-OCT-2006 19:12:22	Dark	47.500	9	Alp Eri	0.45300	24000.	95	24001	No
91	GOM_NL__2PRFIN20061002_191742_000000442051_00400_24001_2579.N1	02-OCT-2006 19:17:42	Straylight	43.500	84	Alp Phe	2.3970	4500.0	87	24001	No
92	GOM_NL__2PRFIN20061002_193443_000000362051_00400_24001_2580.N1	02-OCT-2006 19:34:43	Bright	36.000	90	54Alp Peg	2.4870	11000.	72	24001	No
93	GOM_NL__2PRFIN20061002_193820_000000372051_00400_24001_2581.N1	02-OCT-2006 19:38:20	Bright	37.000	93	53Bet Peg	2.5200	3100.0	74	24001	No
94	GOM_NL__2PRFIN20061002_195542_000000362051_00400_24001_2582.N1	02-OCT-2006 19:55:42	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	24001	No
95	GOM_NL__2PRFIN20061002_200341_000000382051_00400_24001_2583.N1	02-OCT-2006 20:03:41	Bright	37.500	36	50Alp UMa	1.8000	6300.0	75	24001	No
96	GOM_NL__2PRFIN20061002_200512_000000362051_00400_24001_2584.N1	02-OCT-2006 20:05:12	Bright	35.500	82	48Bet UMa	2.3650	10600.	71	24001	No
97	GOM_NL__2PRFIN20061002_201506_000000542051_00400_24001_2585.N1	02-OCT-2006 20:15:06	Bright	54.000	166	17Eps Leo	2.9800	6000.0	108	24001	No
98	GOM_NL__2PRFIN20061002_202444_000000442051_00400_24001_2586.N1	02-OCT-2006 20:24:44	Twilight	43.500	48	30Alp Hya	1.9770	4100.0	87	24001	No
99	GOM_NL__2PRFIN20061002_203425_000000402051_00400_24001_2587.N1	02-OCT-2006 20:34:25	Dark	39.500	65	Lam Vel	2.2040	4400.0	79	24001	No
100	GOM_NL__2PRFIN20061002_203704_000000412051_00400_24001_2588.N1	02-OCT-2006 20:37:04	Dark	40.500	34	Gam2Vel	1.7930	23000.	81	24001	No
101	GOM_NL__2PRFIN20061002_205131_000000382051_00401_24002_2599.N1	02-OCT-2006 20:51:31	Dark	37.500	143	Alp Hyi	2.8570	7200.0	75	24002	No

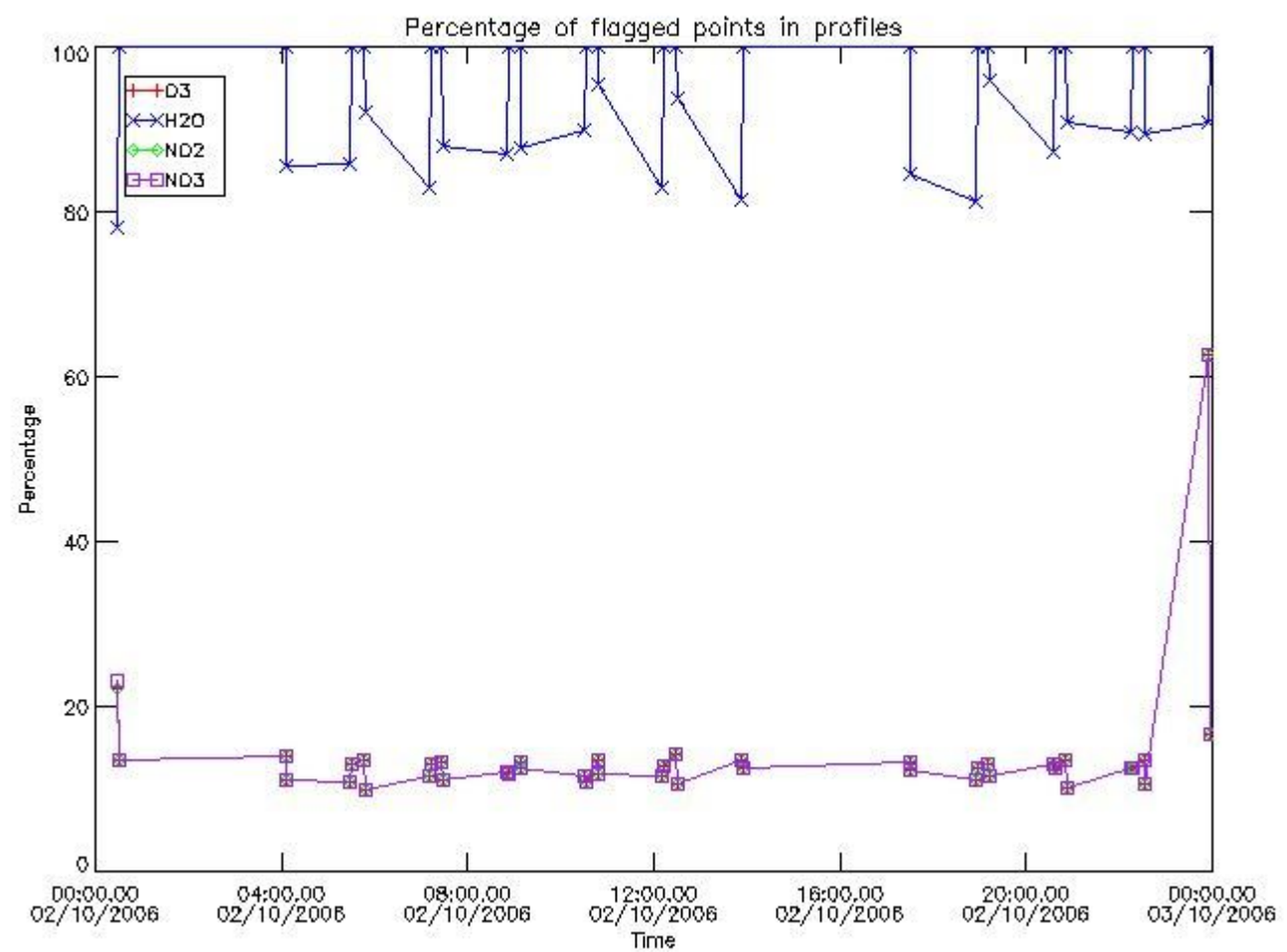
102	GOM_NL__2PRFIN20061002_205258_000000502051_00401_24002_2600.N1	02-OCT-2006 20:52:58	Dark	49.500	9	Alp Eri	0.45300	24000.	99	24002	No
103	GOM_NL__2PRFIN20061002_205818_000000422051_00401_24002_2601.N1	02-OCT-2006 20:58:18	Straylight	42.000	84	Alp Phe	2.3970	4500.0	84	24002	No
104	GOM_NL__2PRFIN20061002_211519_000000372051_00401_24002_2602.N1	02-OCT-2006 21:15:19	Bright	36.500	90	54Alp Peg	2.4870	11000.	73	24002	No
105	GOM_NL__2PRFIN20061002_211856_000000372051_00401_24002_2603.N1	02-OCT-2006 21:18:56	Bright	37.000	93	53Bet Peg	2.5200	3100.0	74	24002	No
106	GOM_NL__2PRFIN20061002_213618_000000362051_00401_24002_2604.N1	02-OCT-2006 21:36:18	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	24002	No
107	GOM_NL__2PRFIN20061002_214418_000000372051_00401_24002_2605.N1	02-OCT-2006 21:44:18	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	24002	No
108	GOM_NL__2PRFIN20061002_214548_000000362051_00401_24002_2606.N1	02-OCT-2006 21:45:48	Bright	35.500	82	48Bet UMa	2.3650	10600.	71	24002	No
109	GOM_NL__2PRFIN20061002_215542_000000542051_00401_24002_2607.N1	02-OCT-2006 21:55:42	Bright	54.000	166	17Eps Leo	2.9800	6000.0	108	24002	No
110	GOM_NL__2PRFIN20061002_220521_000000412051_00401_24002_2608.N1	02-OCT-2006 22:05:21	Twilight	41.000	48	30Alp Hya	1.9770	4100.0	82	24002	No
111	GOM_NL__2PRFIN20061002_221501_000000492051_00401_24002_2609.N1	02-OCT-2006 22:15:01	Dark	49.000	65	Lam Vel	2.2040	4400.0	98	24002	No
112	GOM_NL__2PRFIN20061002_221741_000000412051_00401_24002_2610.N1	02-OCT-2006 22:17:41	Dark	40.500	34	Gam2Vel	1.7930	23000.	81	24002	No
113	GOM_NL__2PRFIN20061002_223207_000000382051_00402_24003_2601.N1	02-OCT-2006 22:32:07	Dark	37.500	143	Alp Hyi	2.8570	7200.0	75	24003	No
114	GOM_NL__2PRFIN20061002_223335_000000482051_00402_24003_2602.N1	02-OCT-2006 22:33:35	Dark	47.500	9	Alp Eri	0.45300	24000.	95	24003	No
115	GOM_NL__2PRFIN20061002_223854_000000442051_00402_24003_2603.N1	02-OCT-2006 22:38:54	Straylight	44.000	84	Alp Phe	2.3970	4500.0	88	24003	No
116	GOM_NL__2PRFIN20061002_225555_000000362051_00402_24003_2604.N1	02-OCT-2006 22:55:55	Bright	36.000	90	54Alp Peg	2.4870	11000.	72	24003	No
117	GOM_NL__2PRFIN20061002_225932_000000352051_00402_24003_2605.N1	02-OCT-2006 22:59:32	Bright	35.000	93	53Bet Peg	2.5200	3100.0	70	24003	No
118	GOM_NL__2PRFIN20061002_231654_000000352051_00402_24003_2606.N1	02-OCT-2006 23:16:54	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	24003	No
119	GOM_NL__2PRFIN20061002_232454_000000372051_00402_24003_2607.N1	02-OCT-2006 23:24:54	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	24003	No
120	GOM_NL__2PRFIN20061002_232624_000000352051_00402_24003_2608.N1	02-OCT-2006 23:26:24	Bright	35.000	82	48Bet UMa	2.3650	10600.	70	24003	No
121	GOM_NL__2PRFIN20061002_233618_000000362051_00402_24003_2609.N1	02-OCT-2006 23:36:18	Bright	36.000	166	17Eps Leo	2.9800	6000.0	72	24003	No
122	GOM_NL__2PRFIN20061002_234557_000000502051_00402_24003_2610.N1	02-OCT-2006 23:45:57	Twilight	49.500	48	30Alp Hya	1.9770	4100.0	99	24003	No
123	GOM_NL__2PRFIN20061002_235537_000000502051_00402_24003_2611.N1	02-OCT-2006 23:55:37	Dark	50.000	65	Lam Vel	2.2040	4400.0	100	24003	No
124	GOM_NL__2PRFIN20061002_235817_000000432051_00402_24003_2612.N1	02-OCT-2006 23:58:17	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	24003	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.

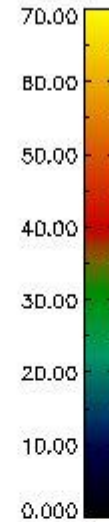
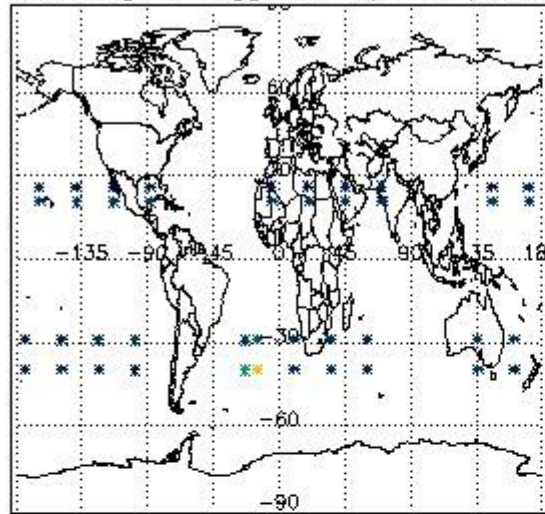
#### 3.1 Plot quality information per product (time dependant)



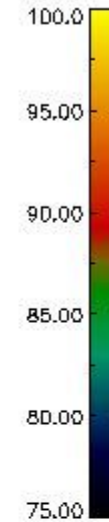
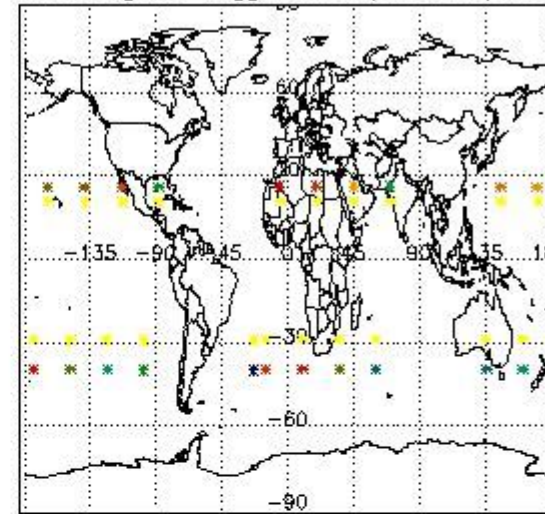


3.2 Plot quality information per product (world map)

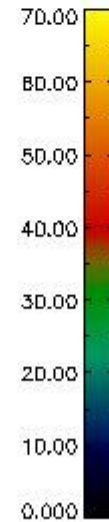
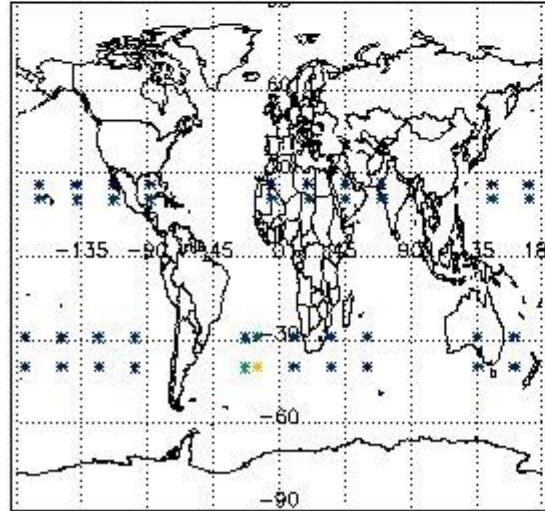
Percentage of flagged data per O3 profile



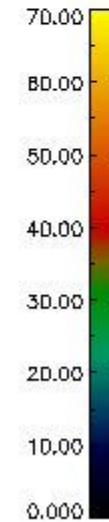
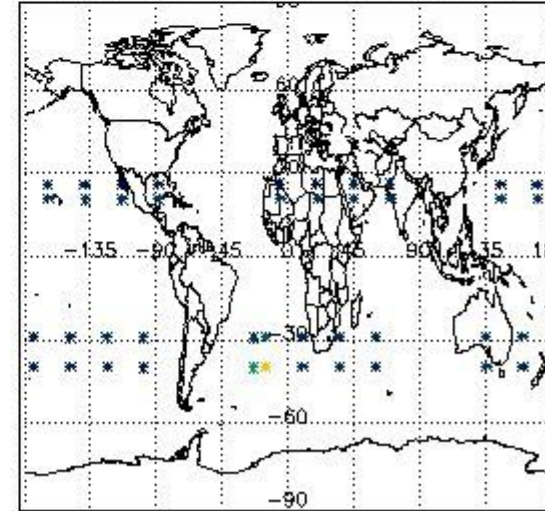
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

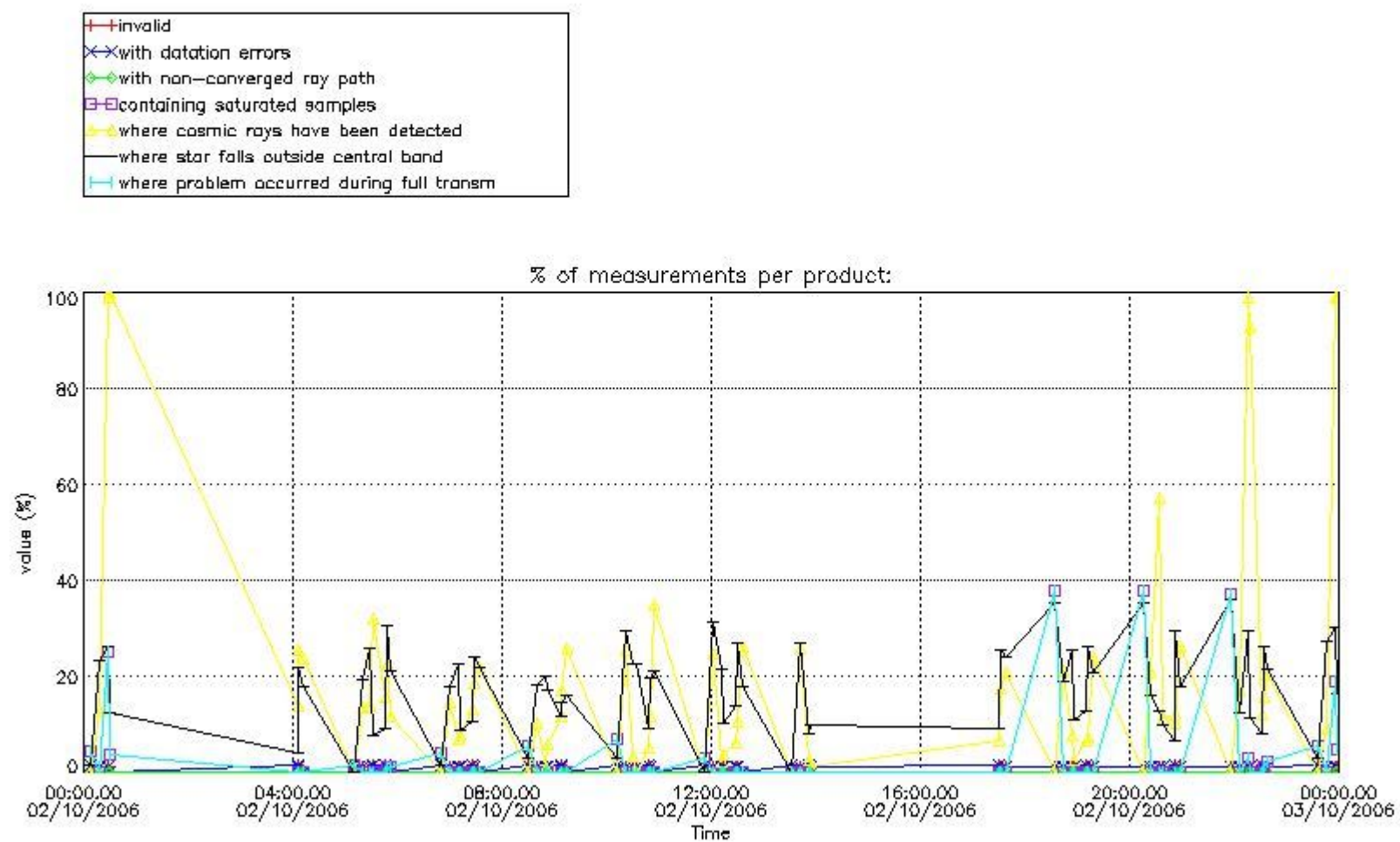


#### 4. Level 1 quality information per product

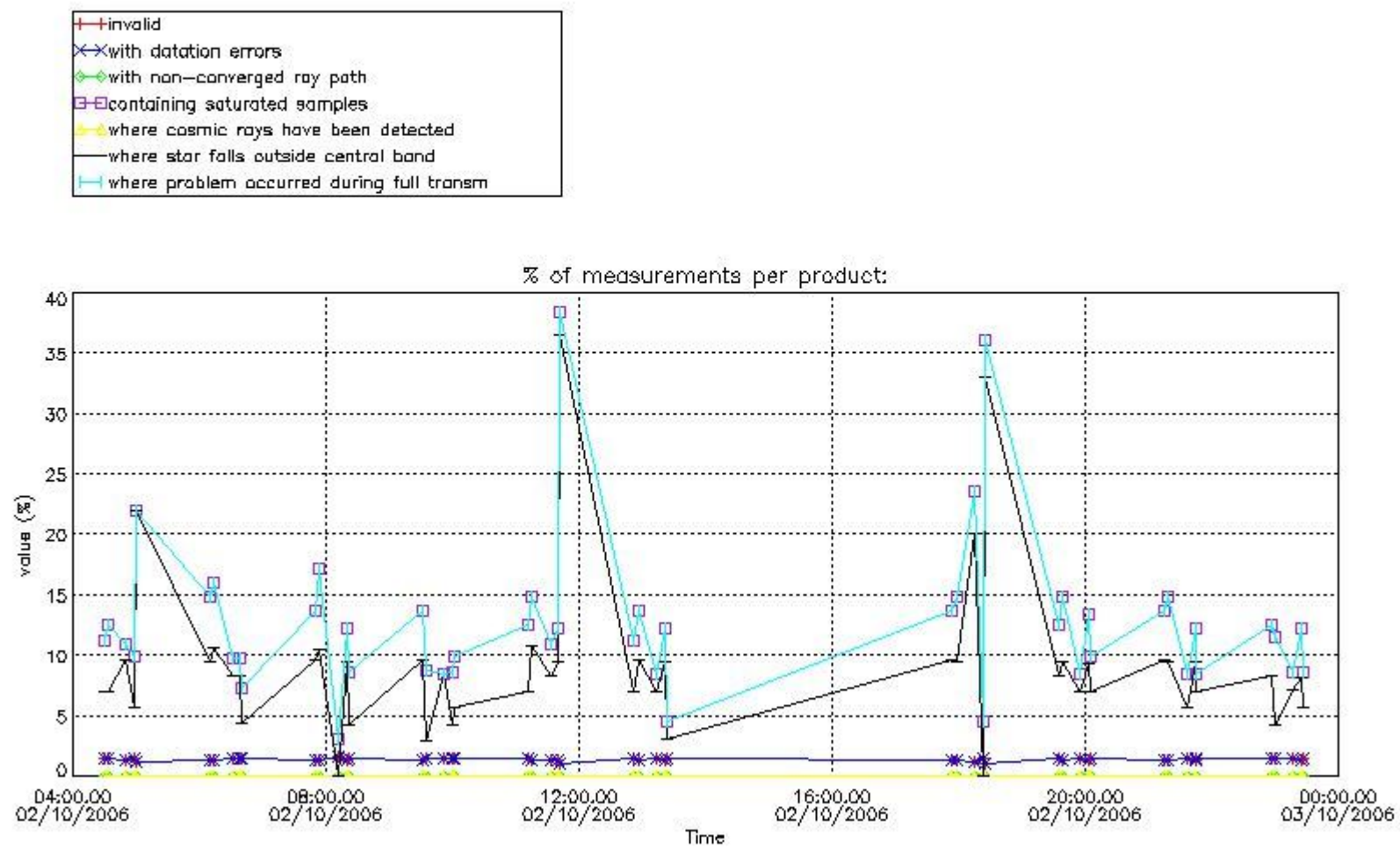
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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

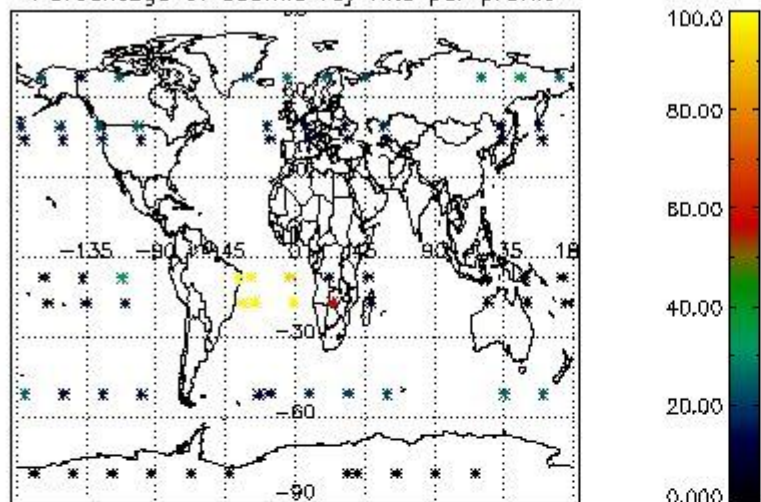


4.2 Plot quality information per product coming from level 1b processing (world map)

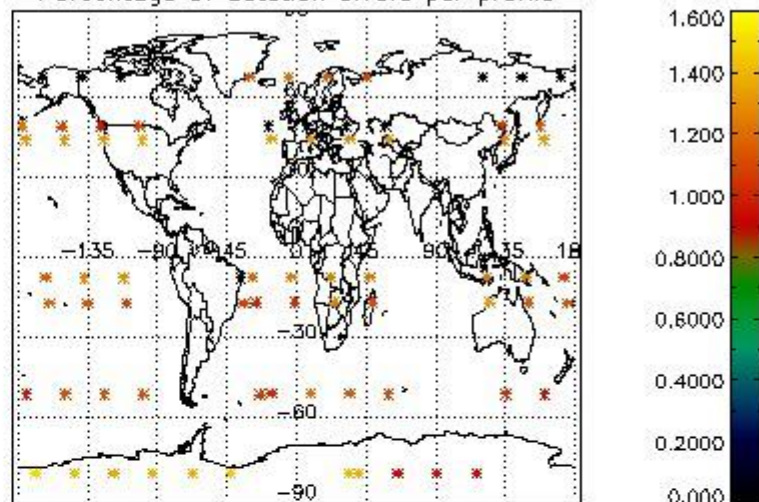
4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes



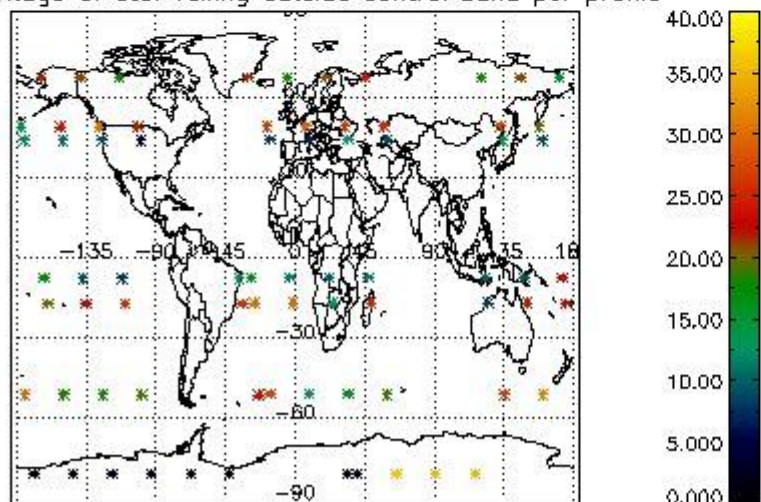
Percentage of cosmic ray hits per profile



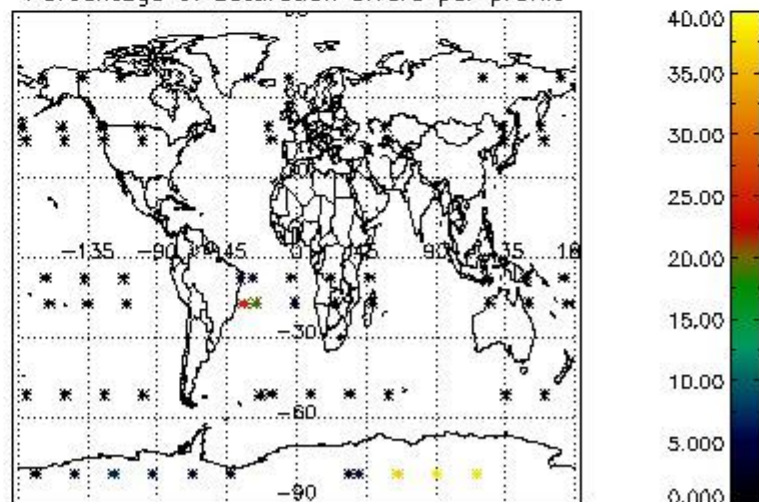
Percentage of datation errors per profile



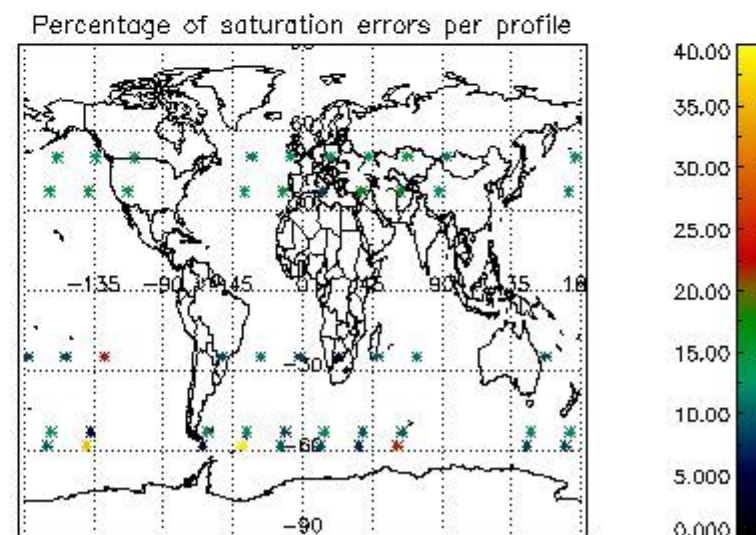
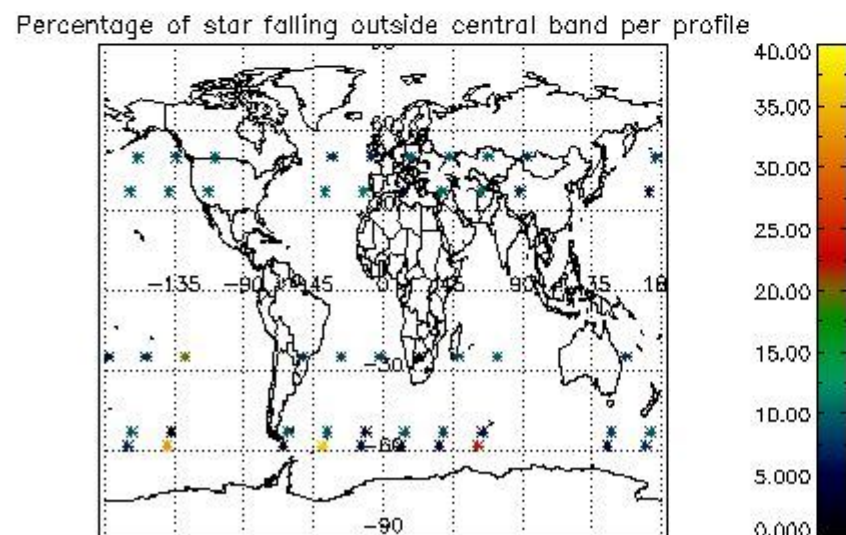
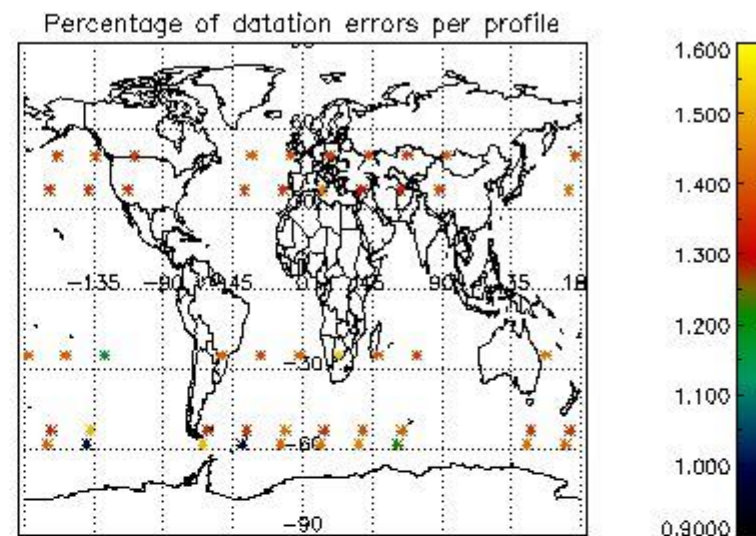
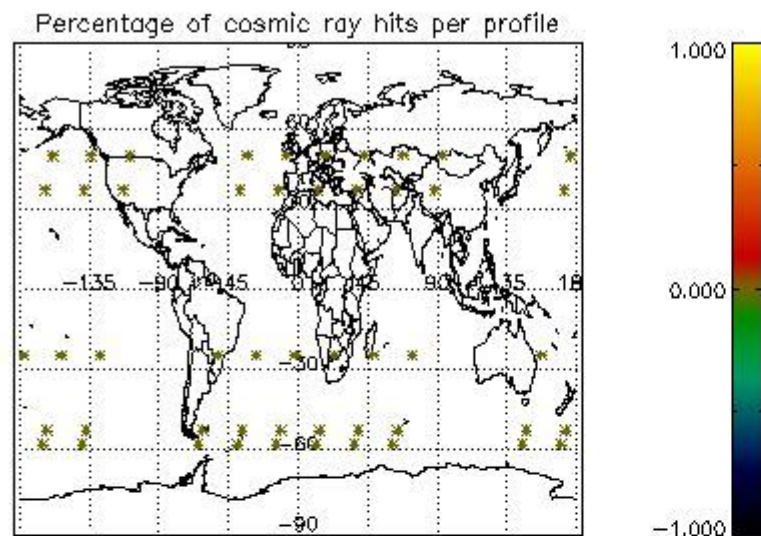
Percentage of star falling outside central band per profile



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.

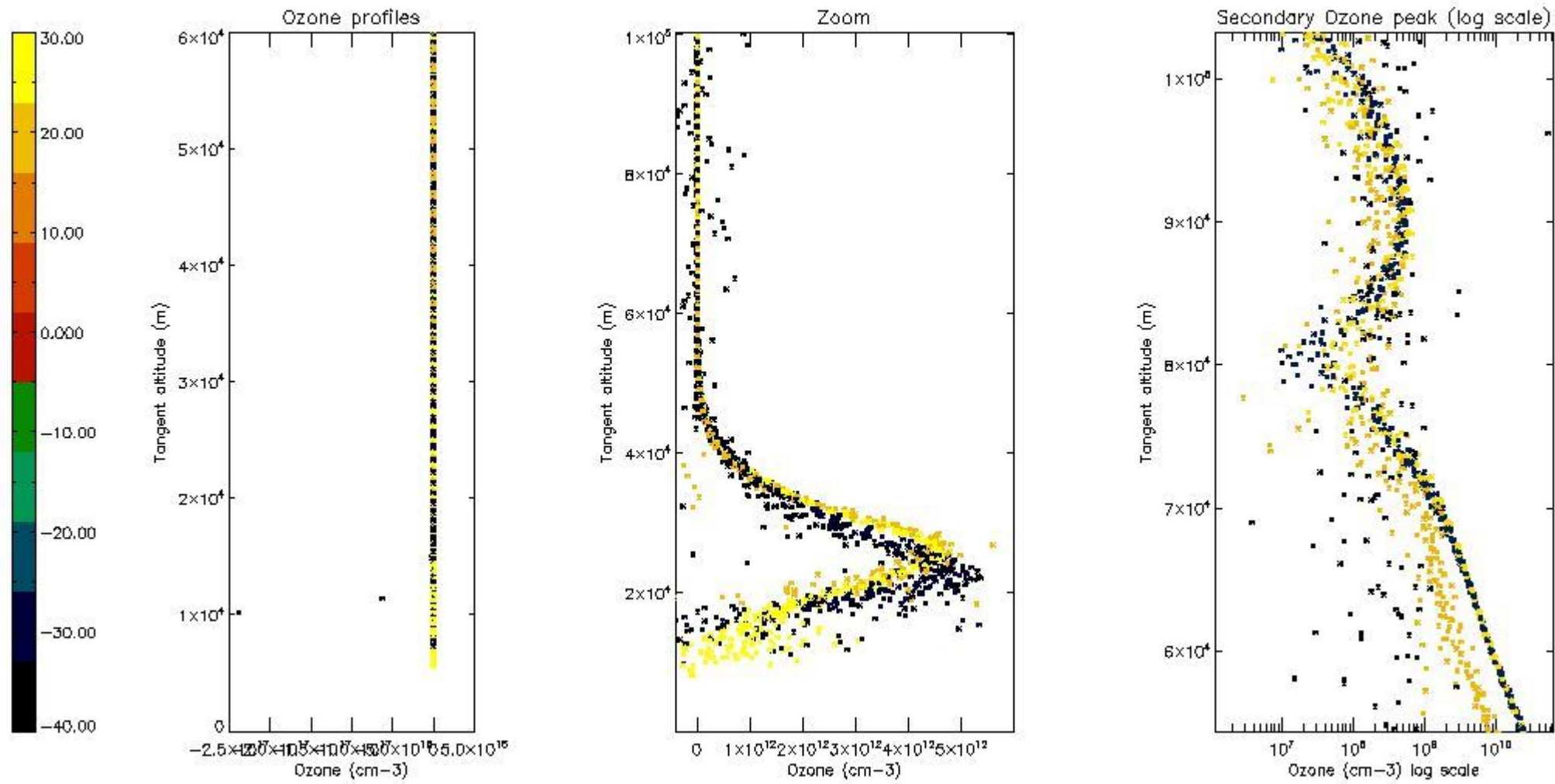
Criteria	% of total production
All STD	36
STD < 20	20



STD < 10	15
STD < 5	11

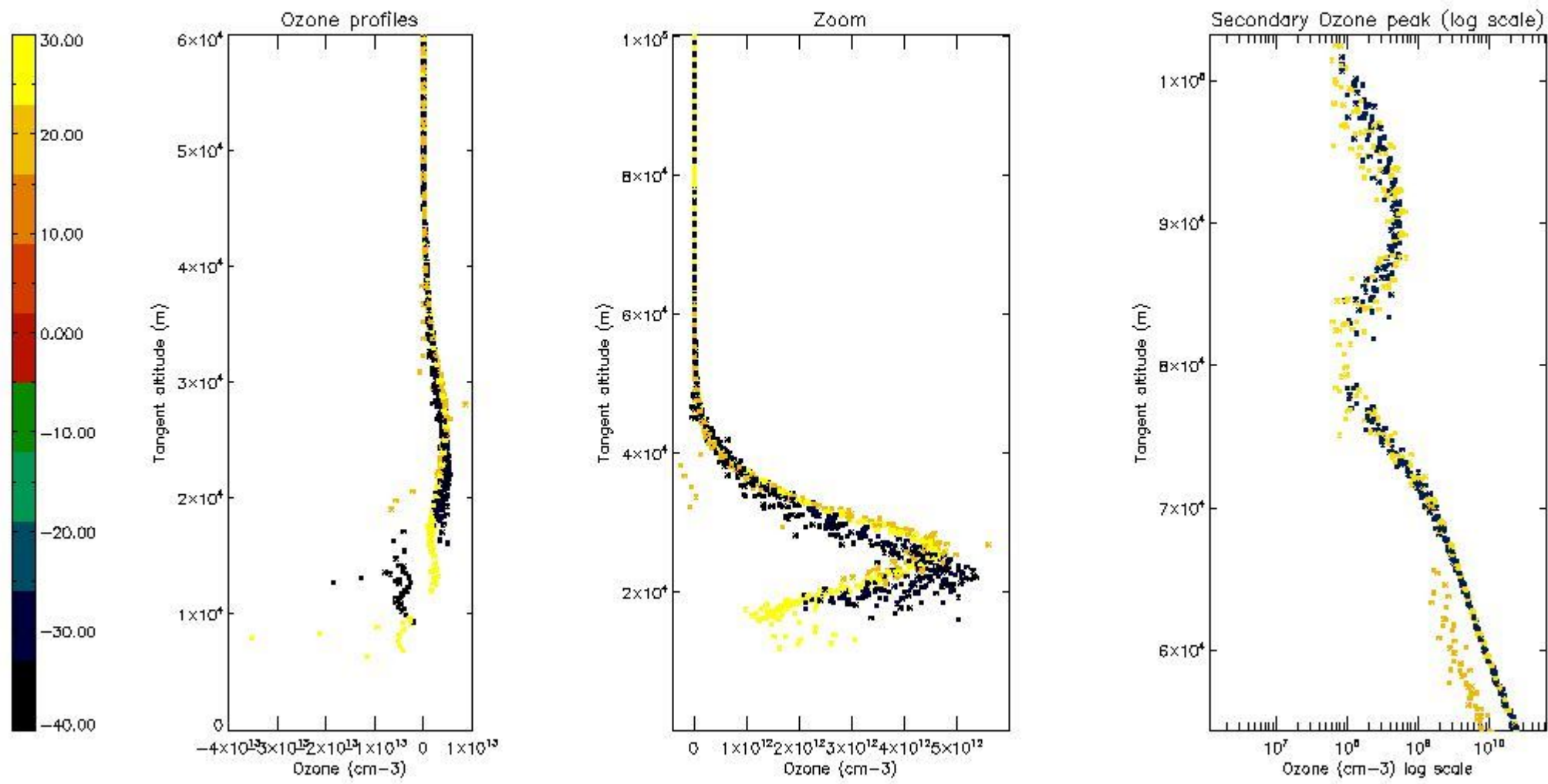
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

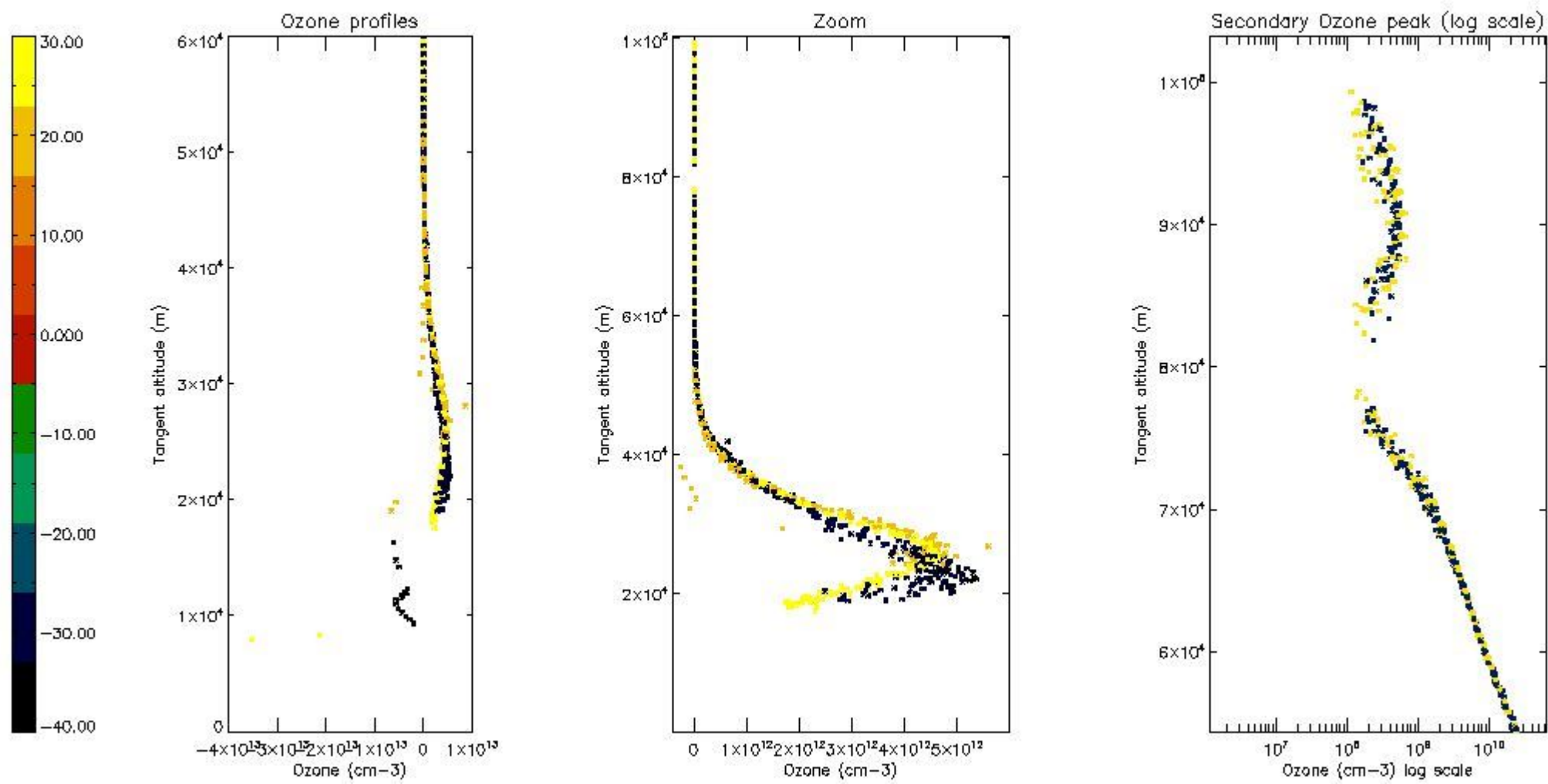
The colorbar represents the latitude.



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

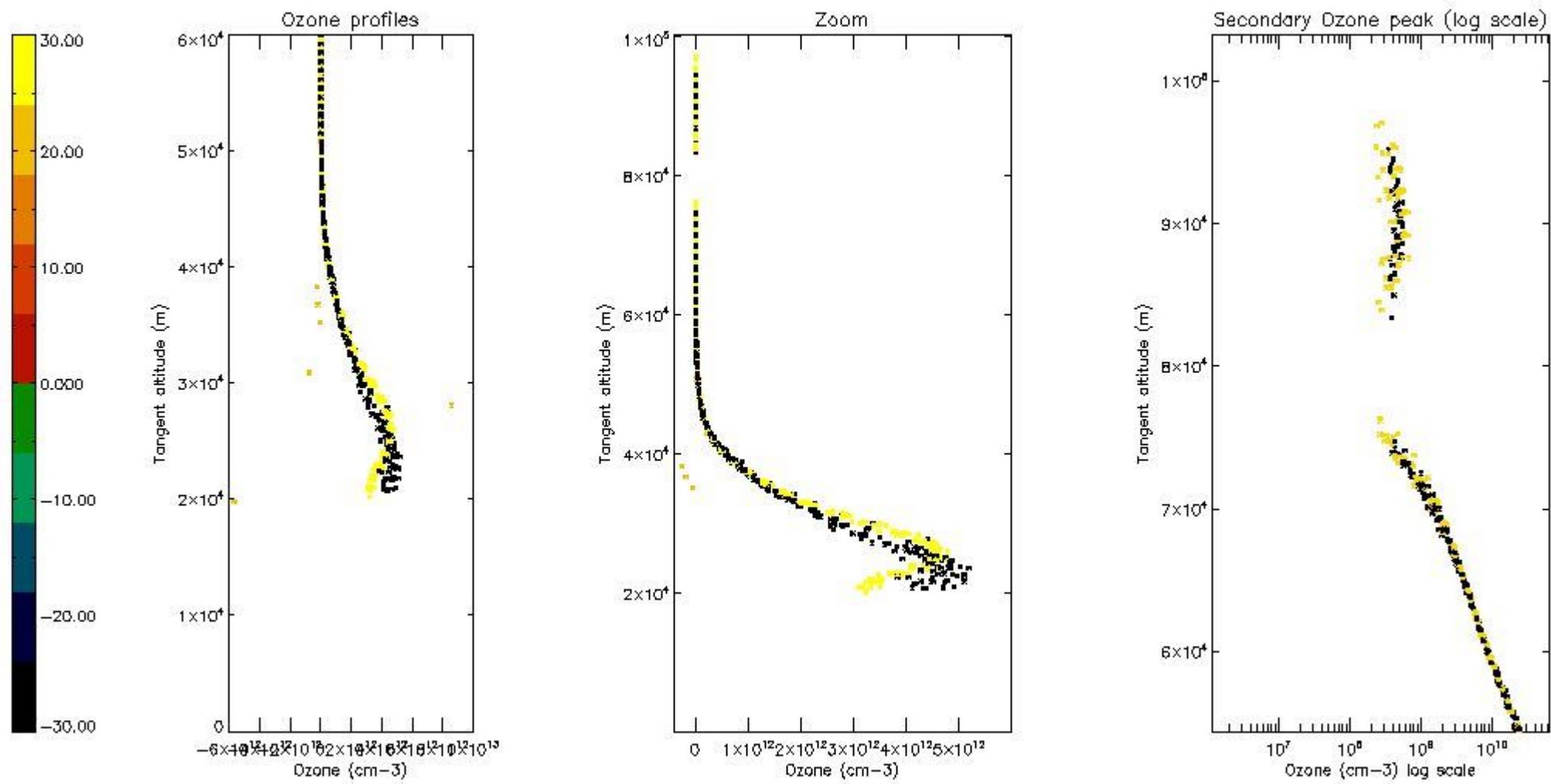
The colorbar represents the latitude.





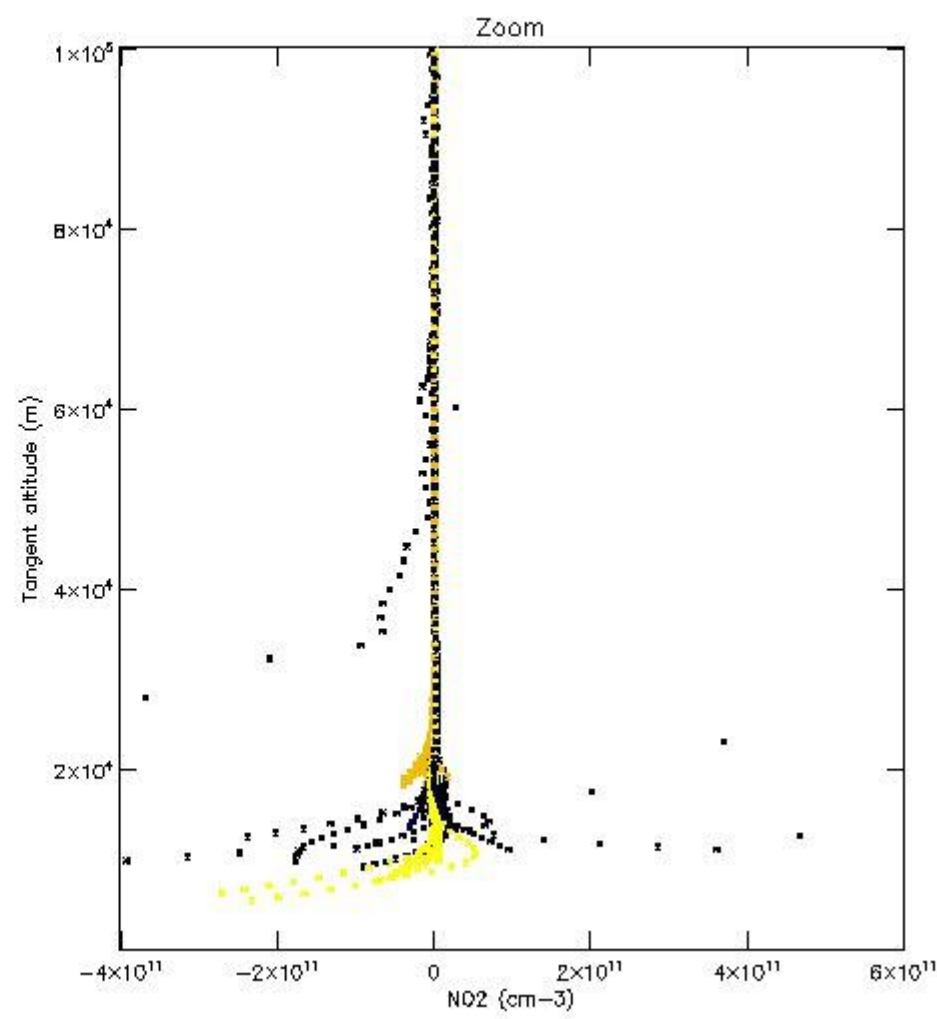
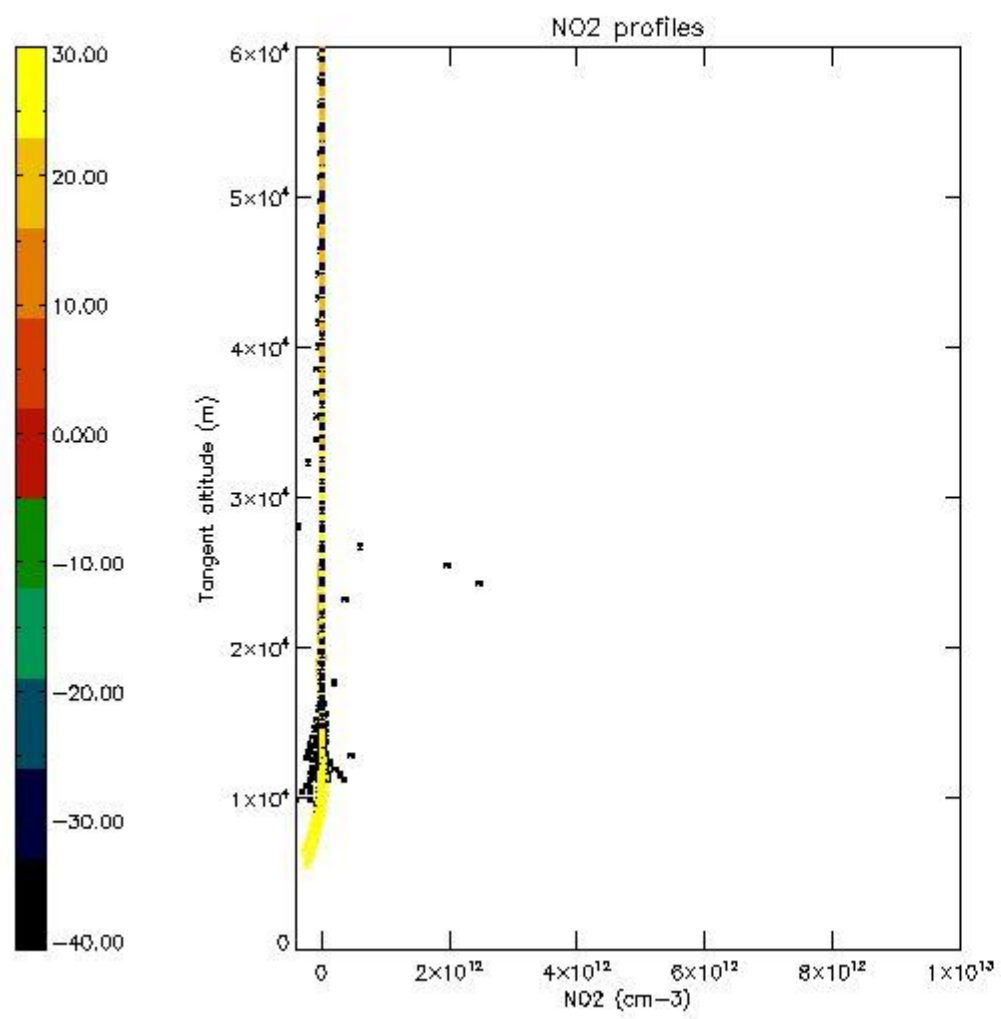
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



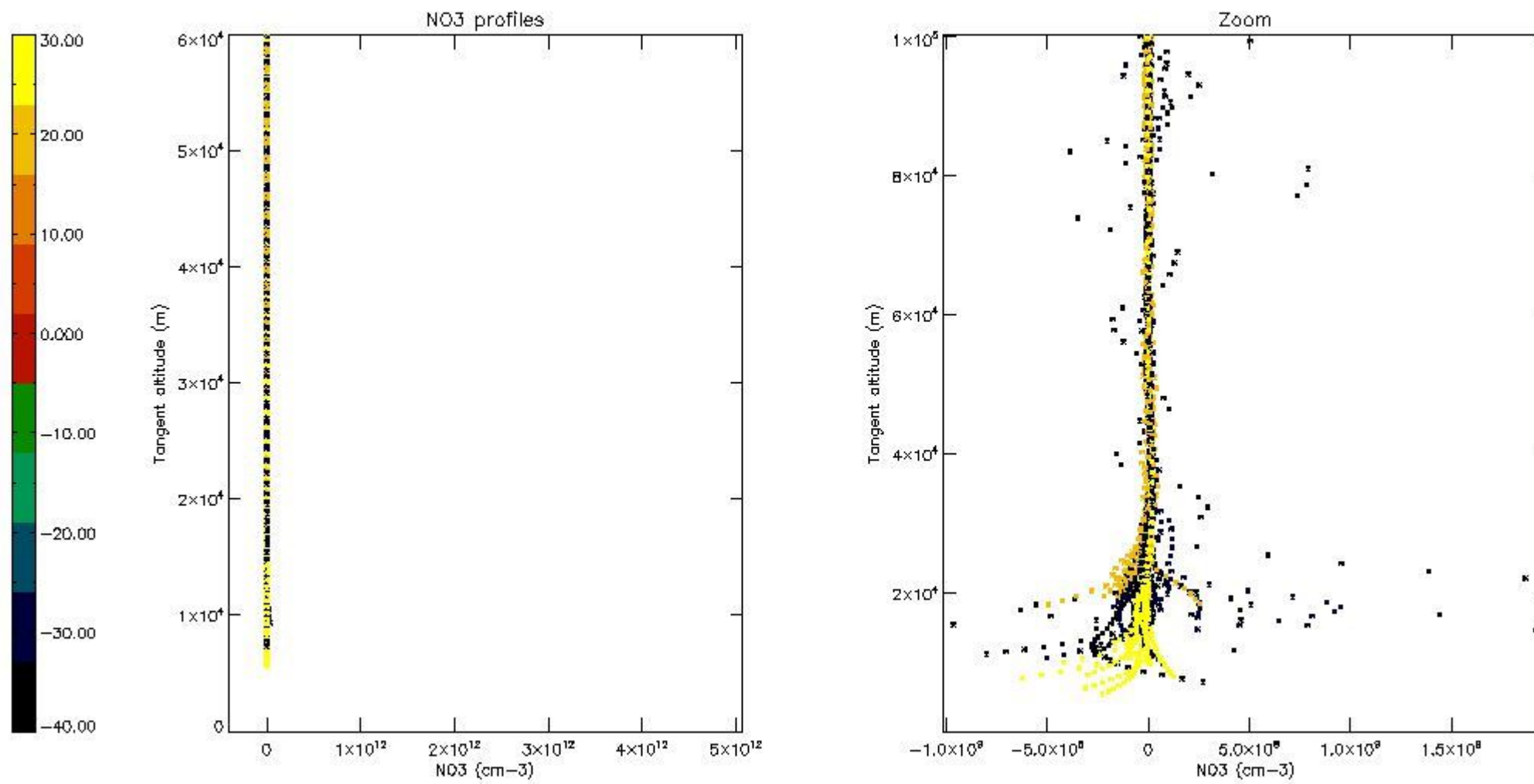
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

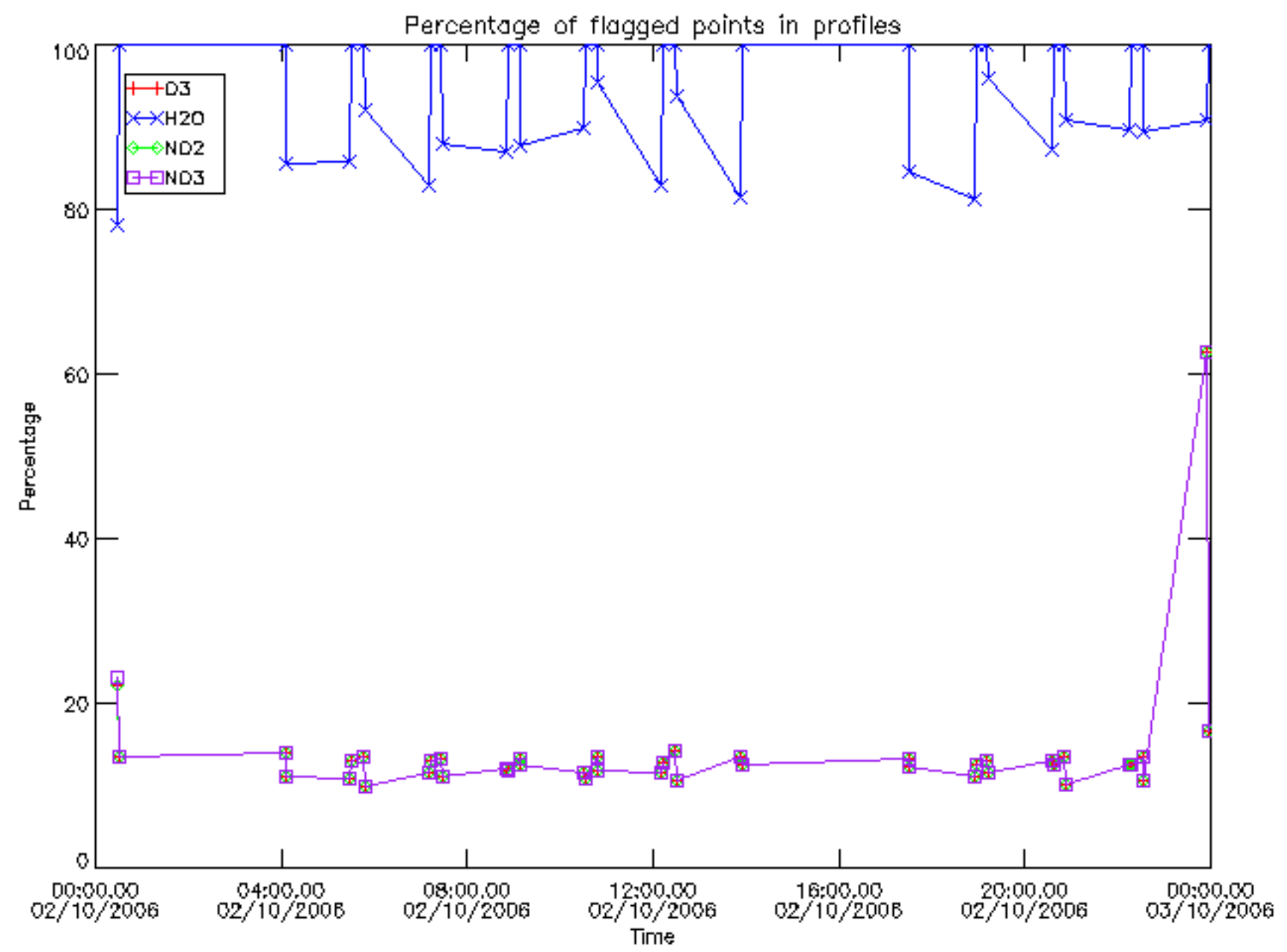
The colorbar represents the latitude.



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

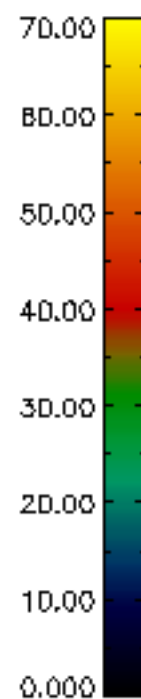
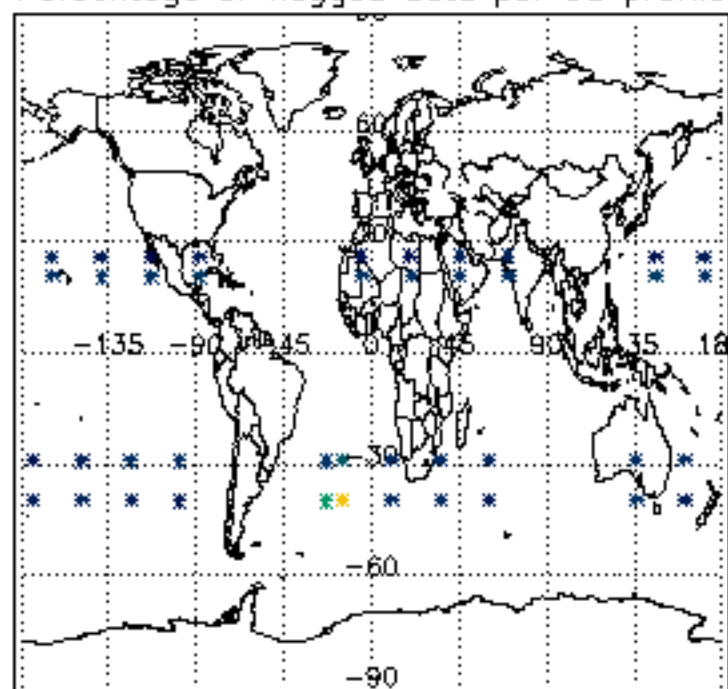
The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	02-OCT-2006 00:07:52
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	02-OCT-2006 00:07:52
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	02-OCT-2006 00:07:52

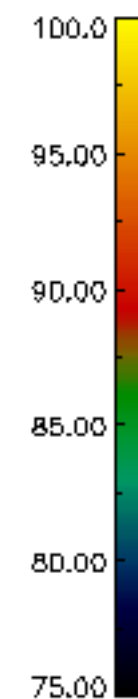
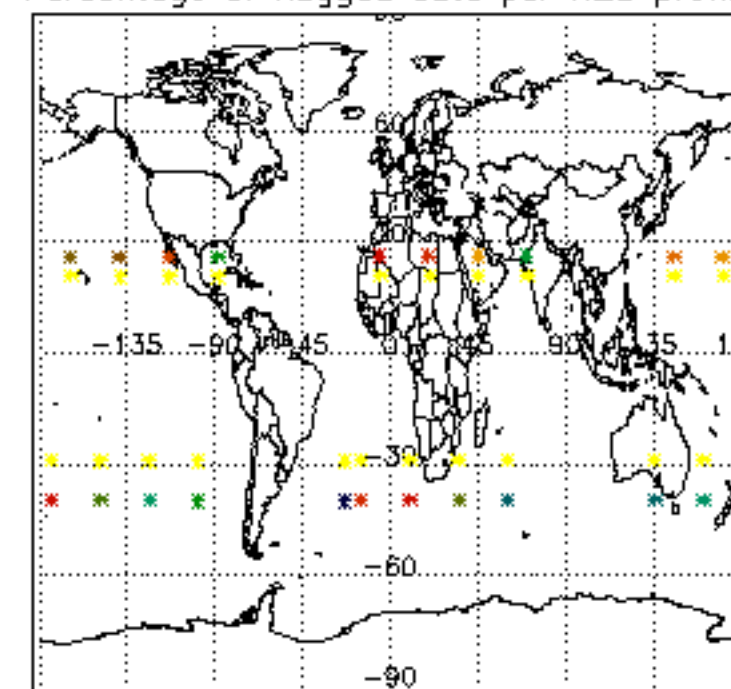




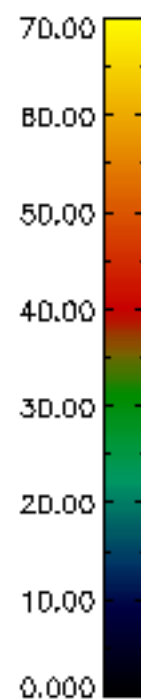
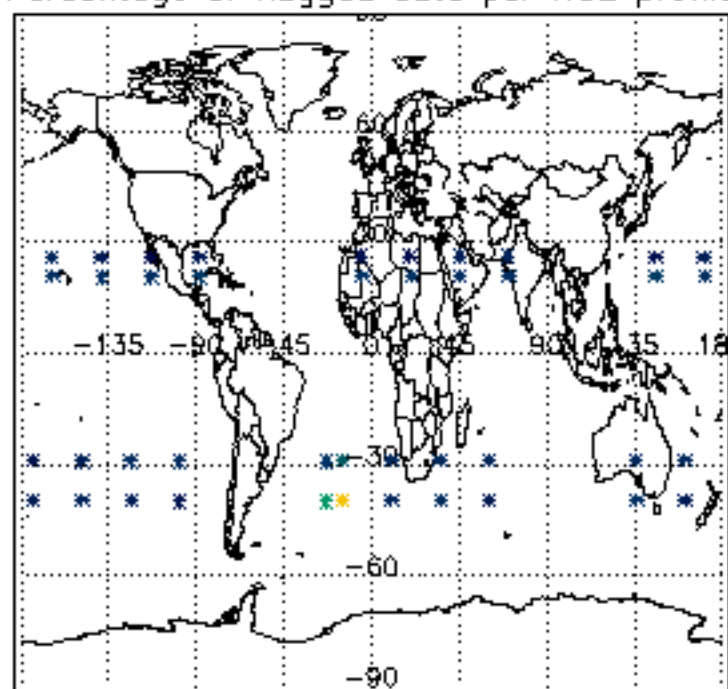
Percentage of flagged data per D3 profile



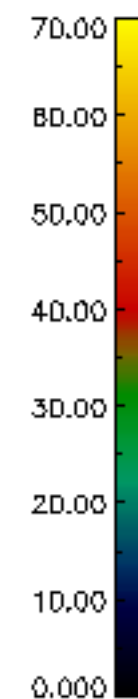
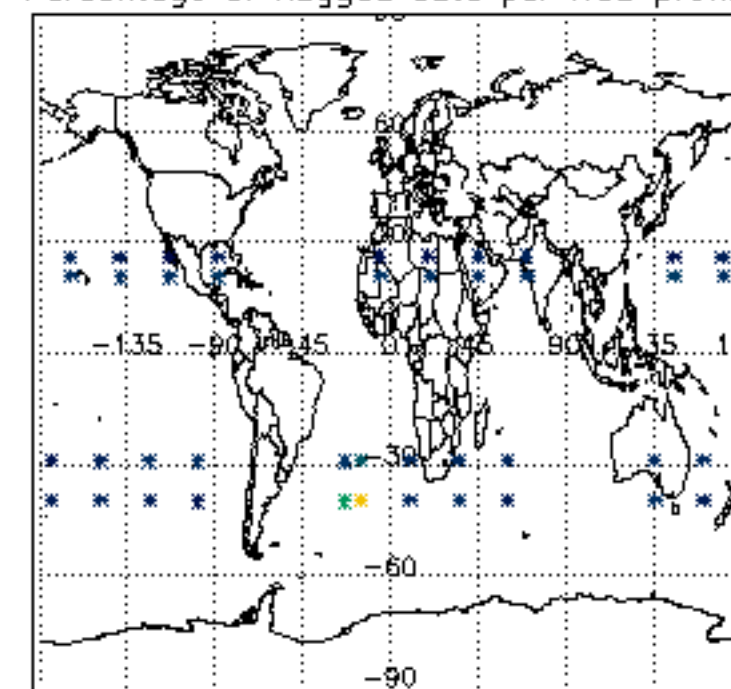
Percentage of flagged data per H2O profile

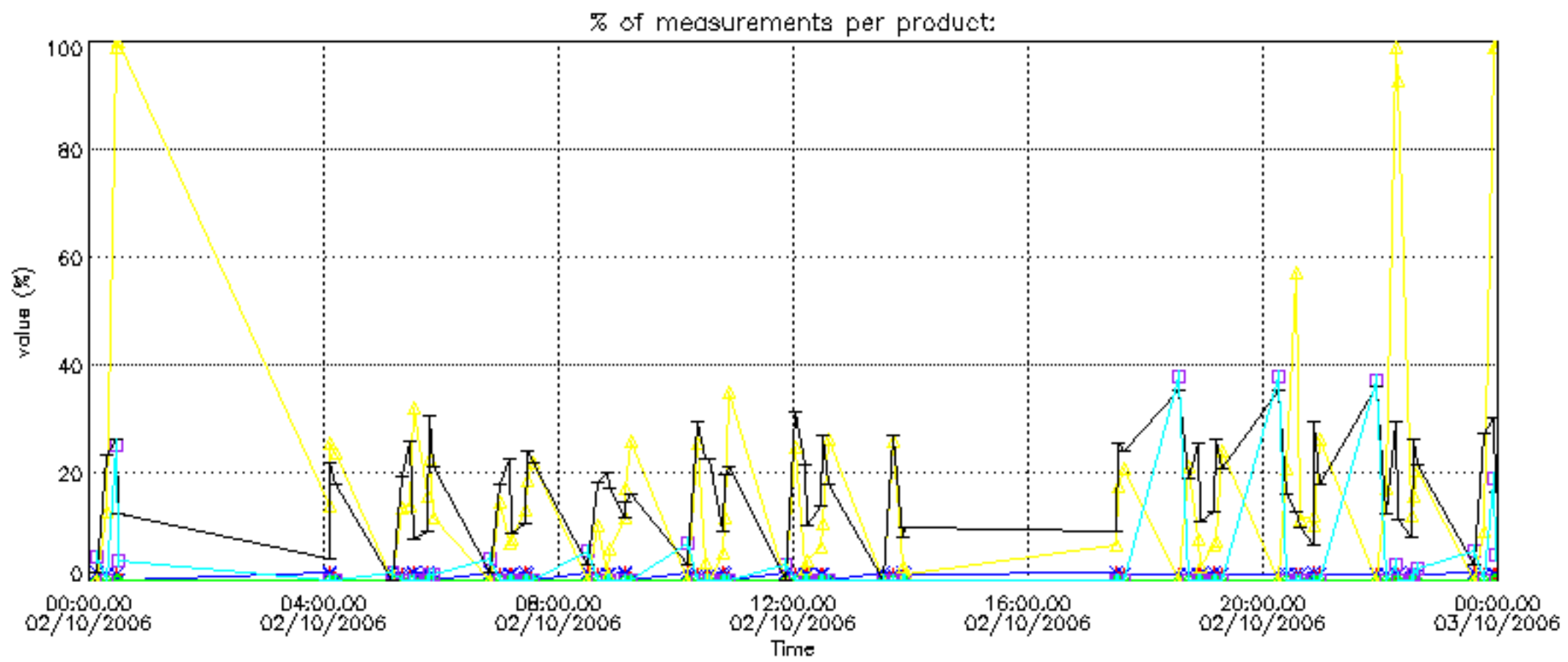


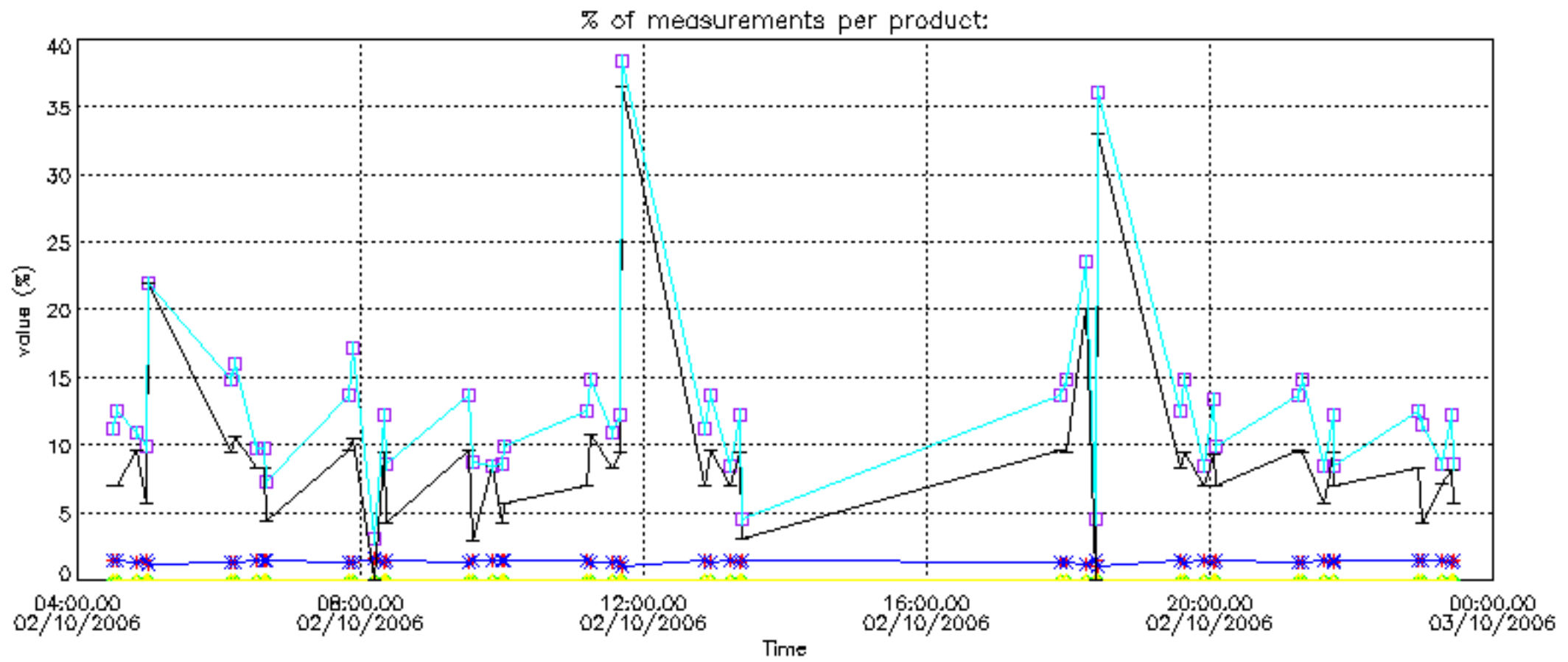
Percentage of flagged data per NO2 profile



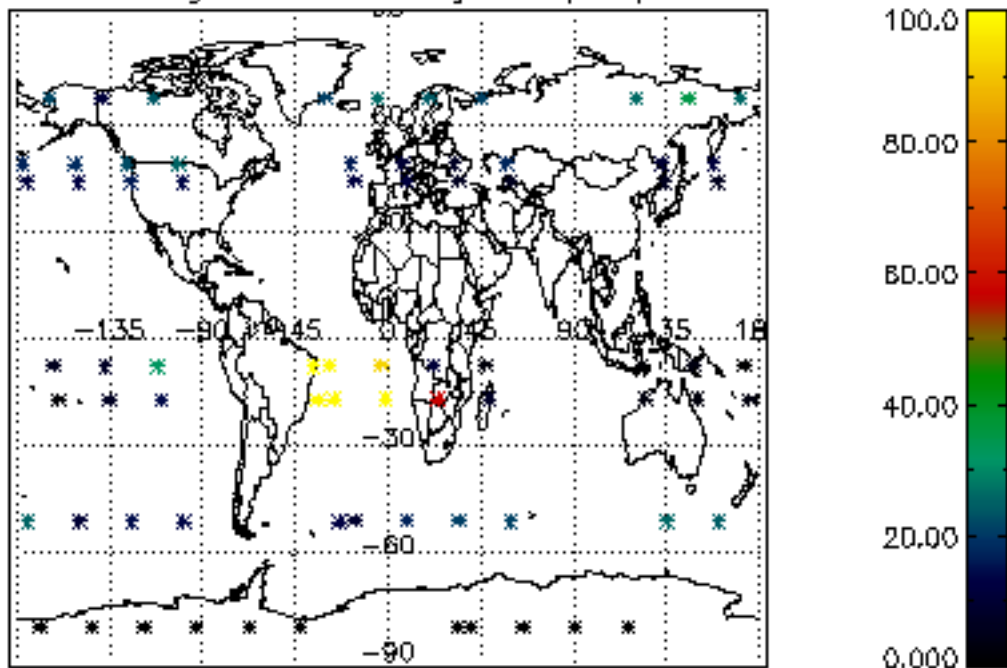
Percentage of flagged data per NO3 profile



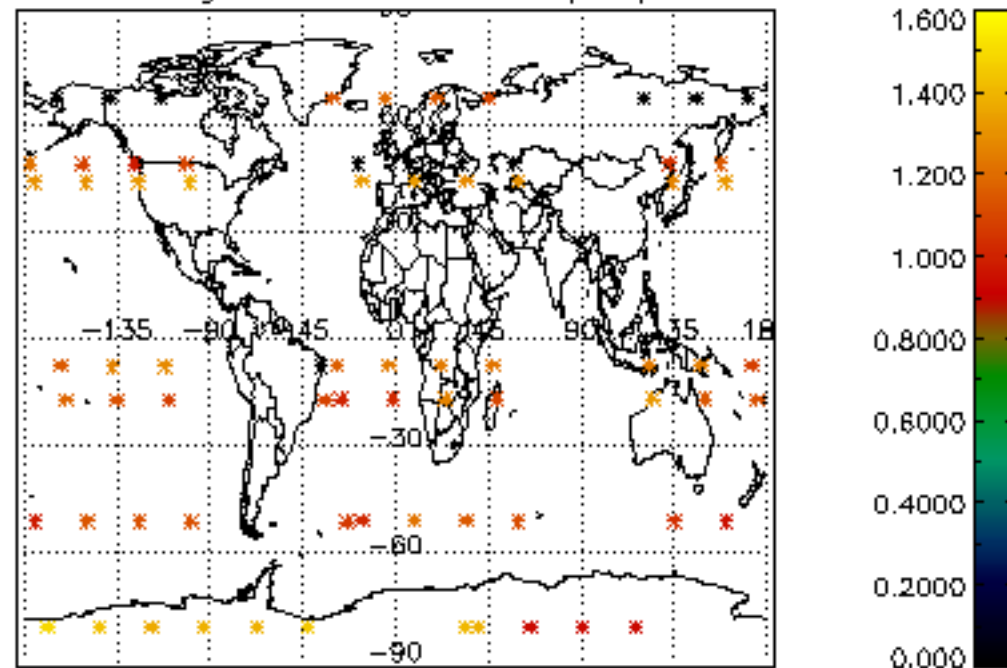




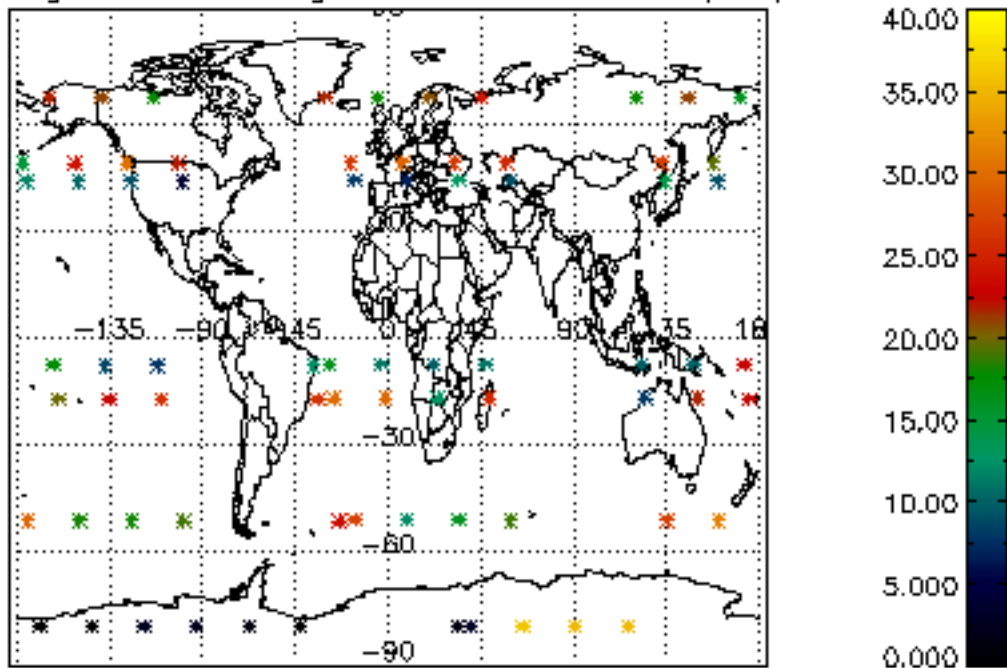
Percentage of cosmic ray hits per profile



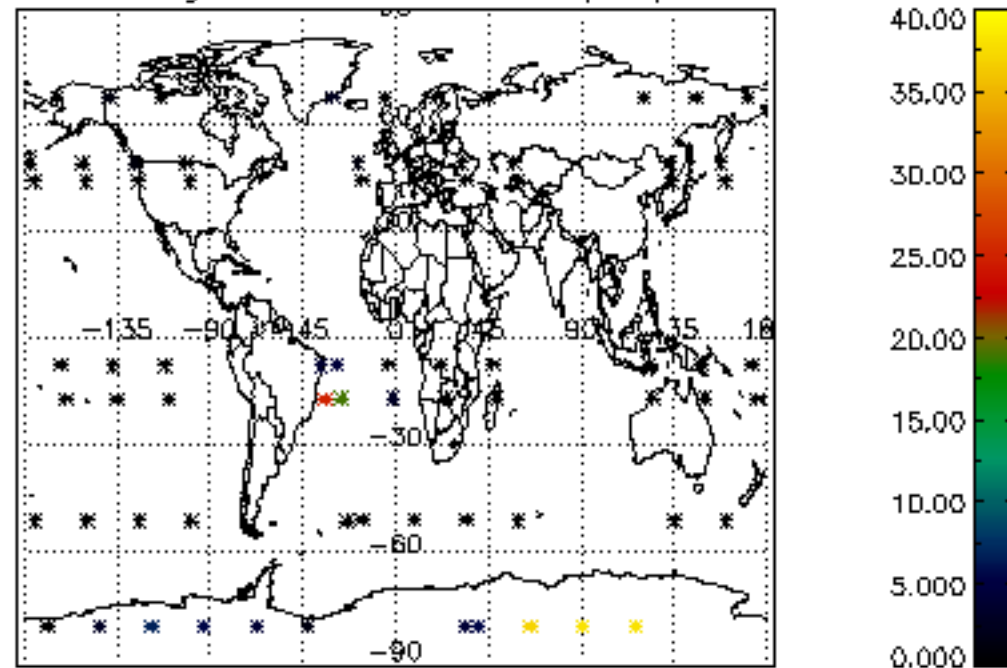
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

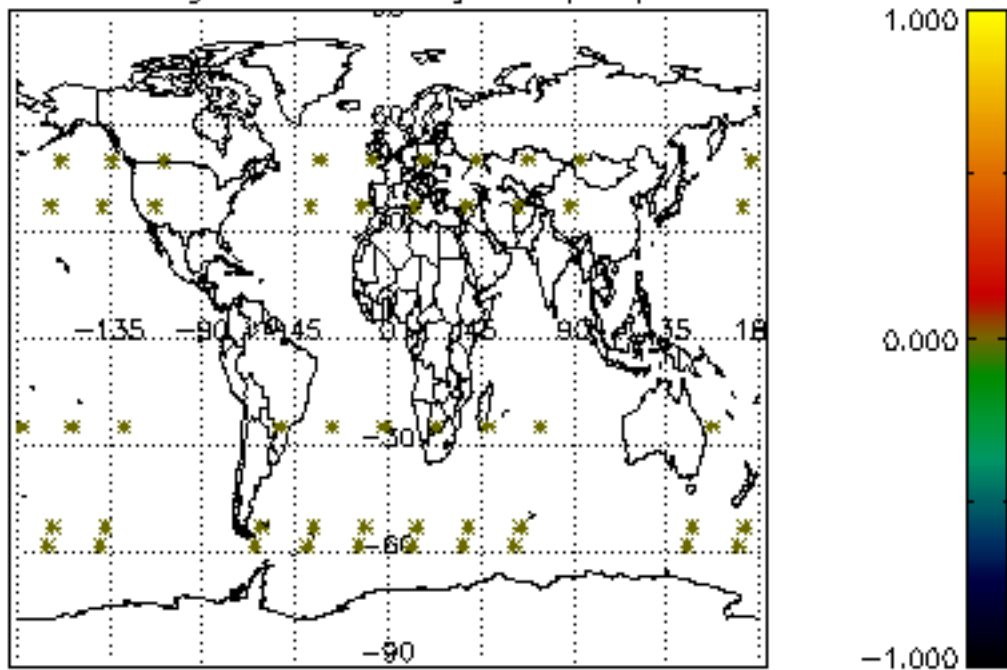


Percentage of saturation errors per profile

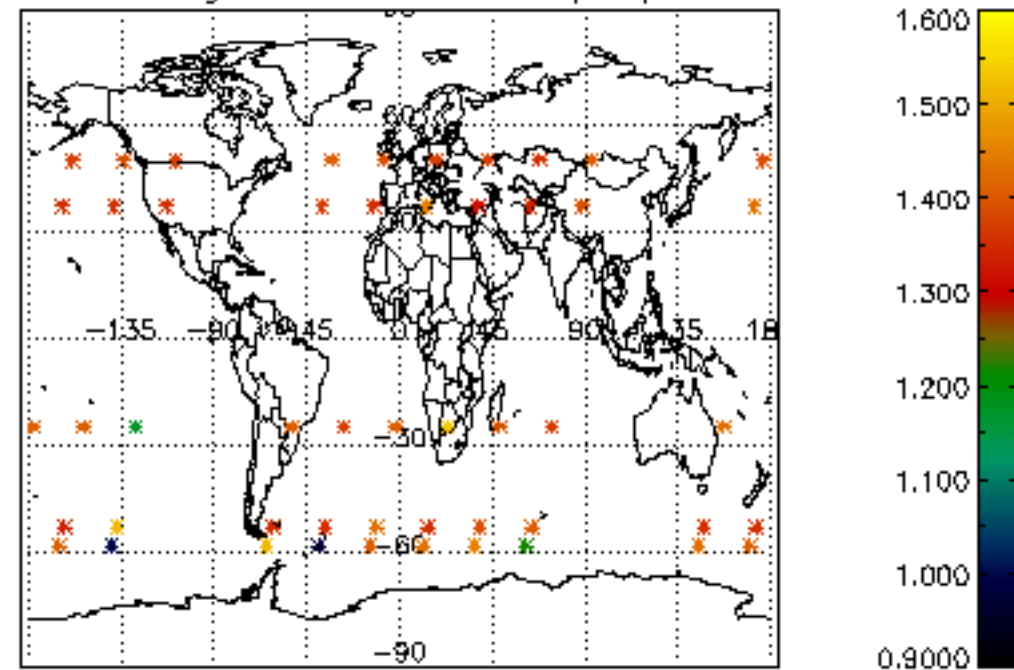




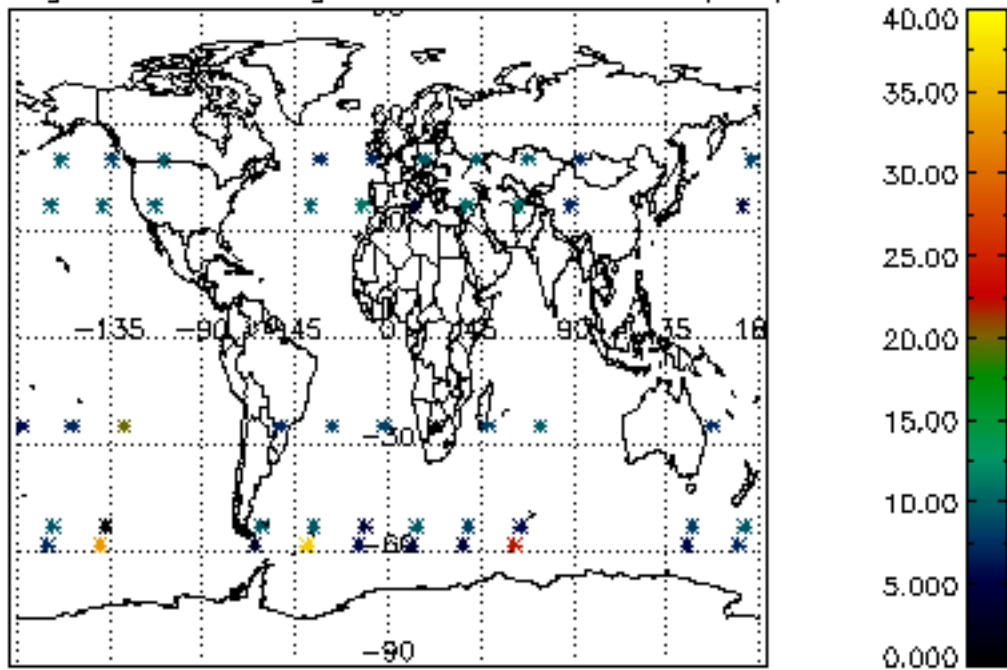
Percentage of cosmic ray hits per profile



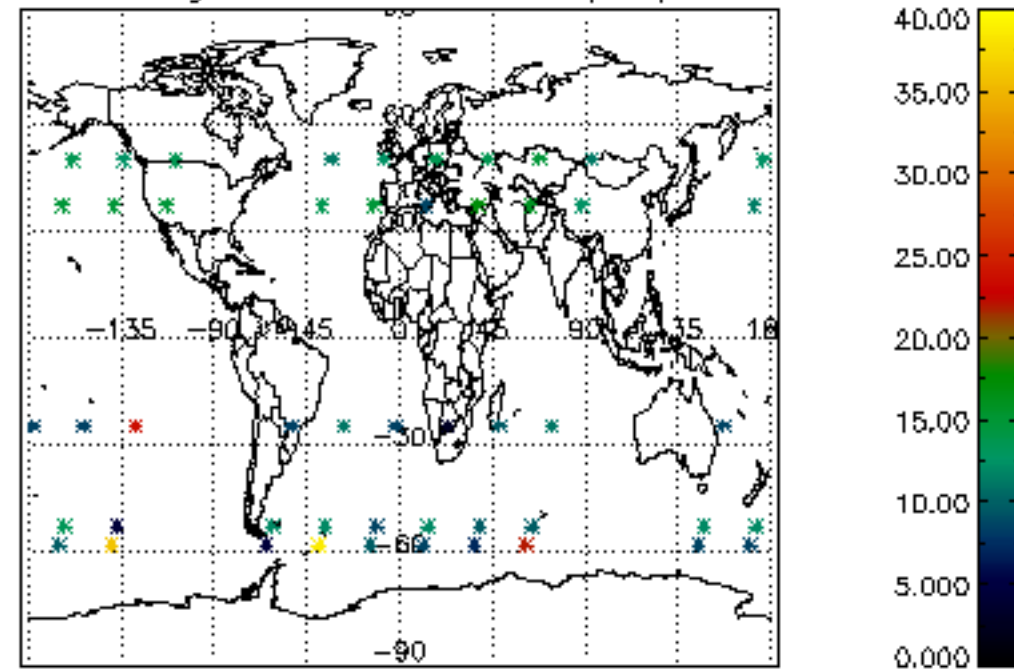
Percentage of datation errors per profile

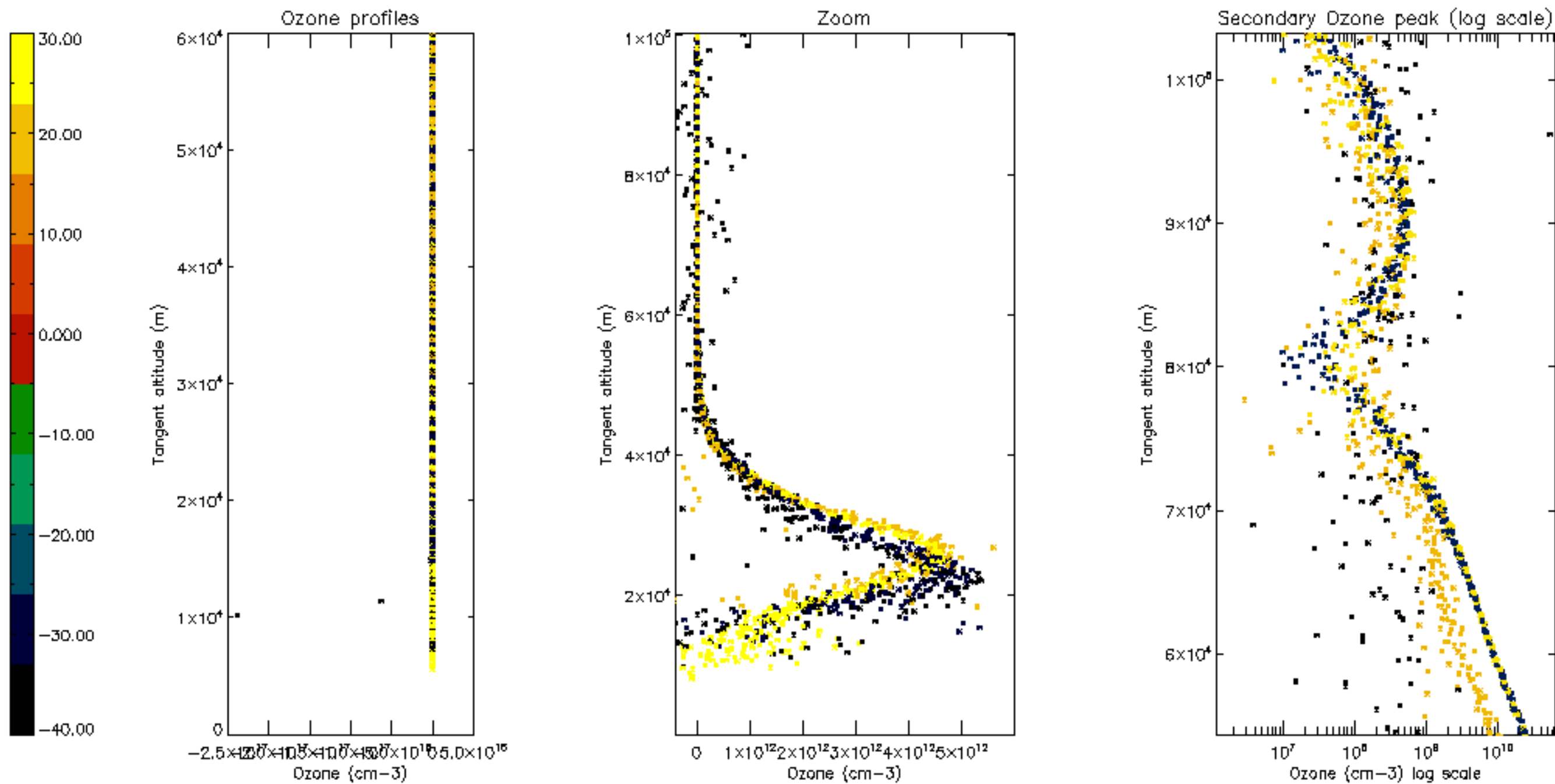


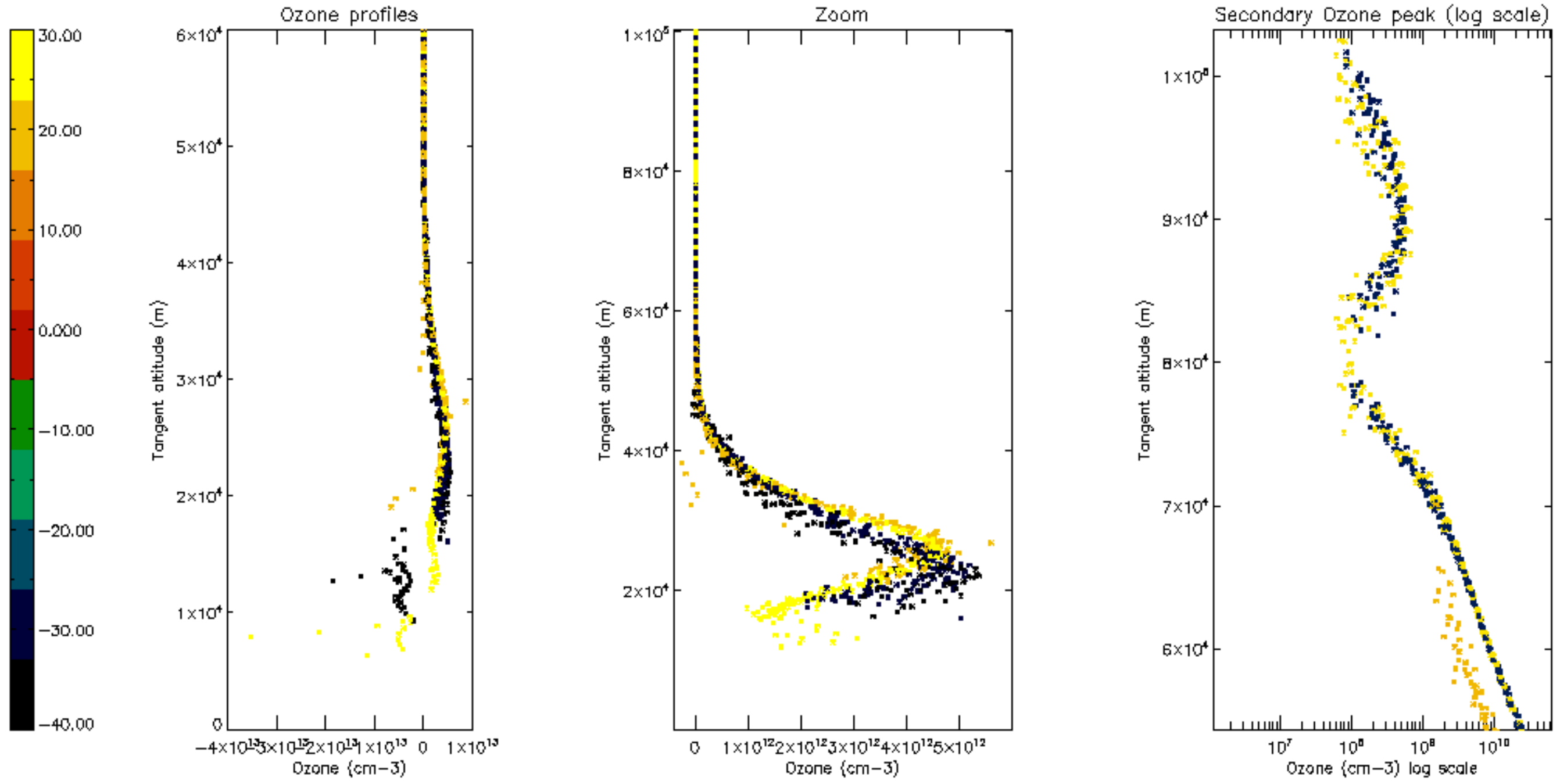
Percentage of star falling outside central band per profile

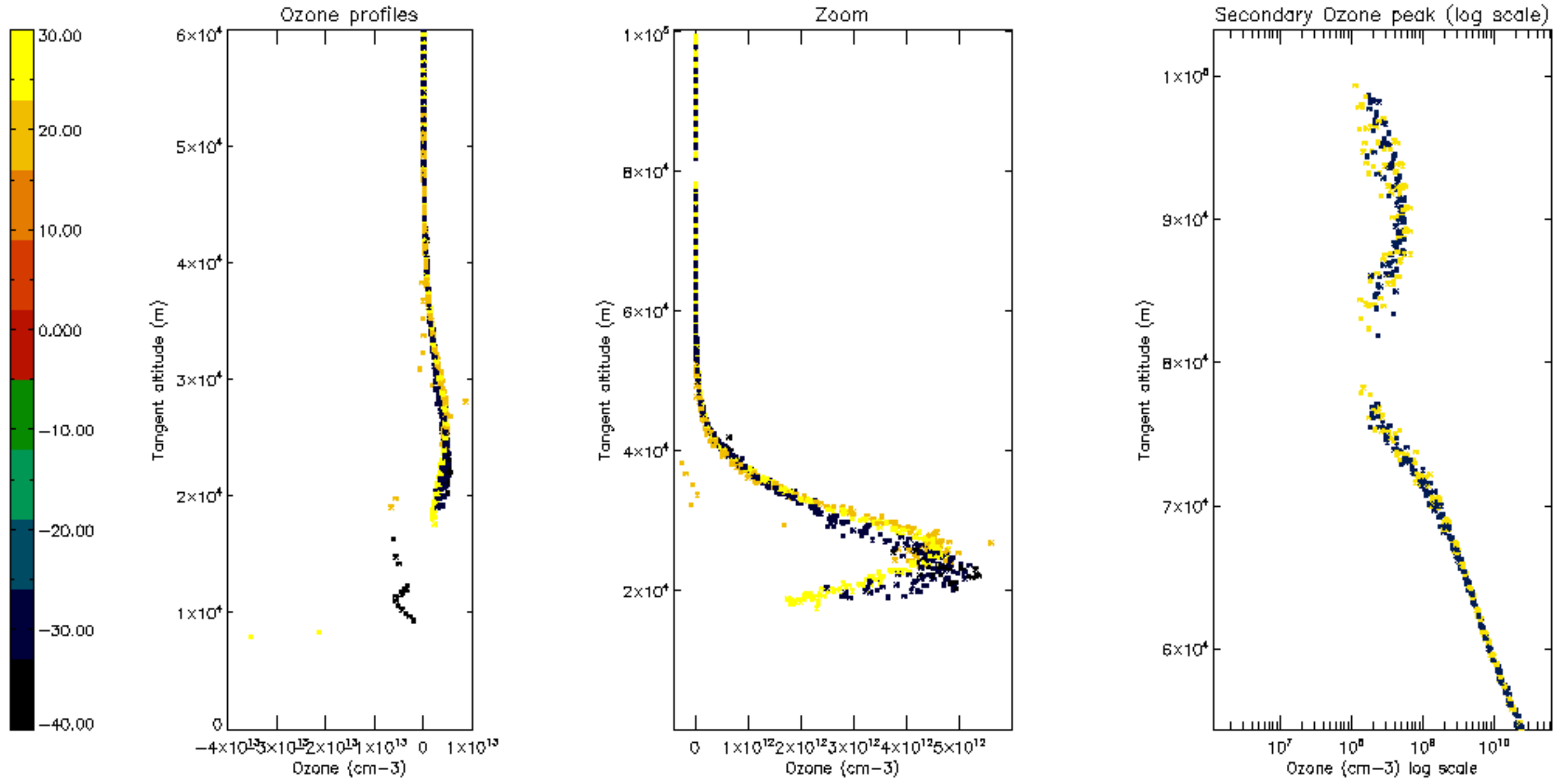


Percentage of saturation errors per profile

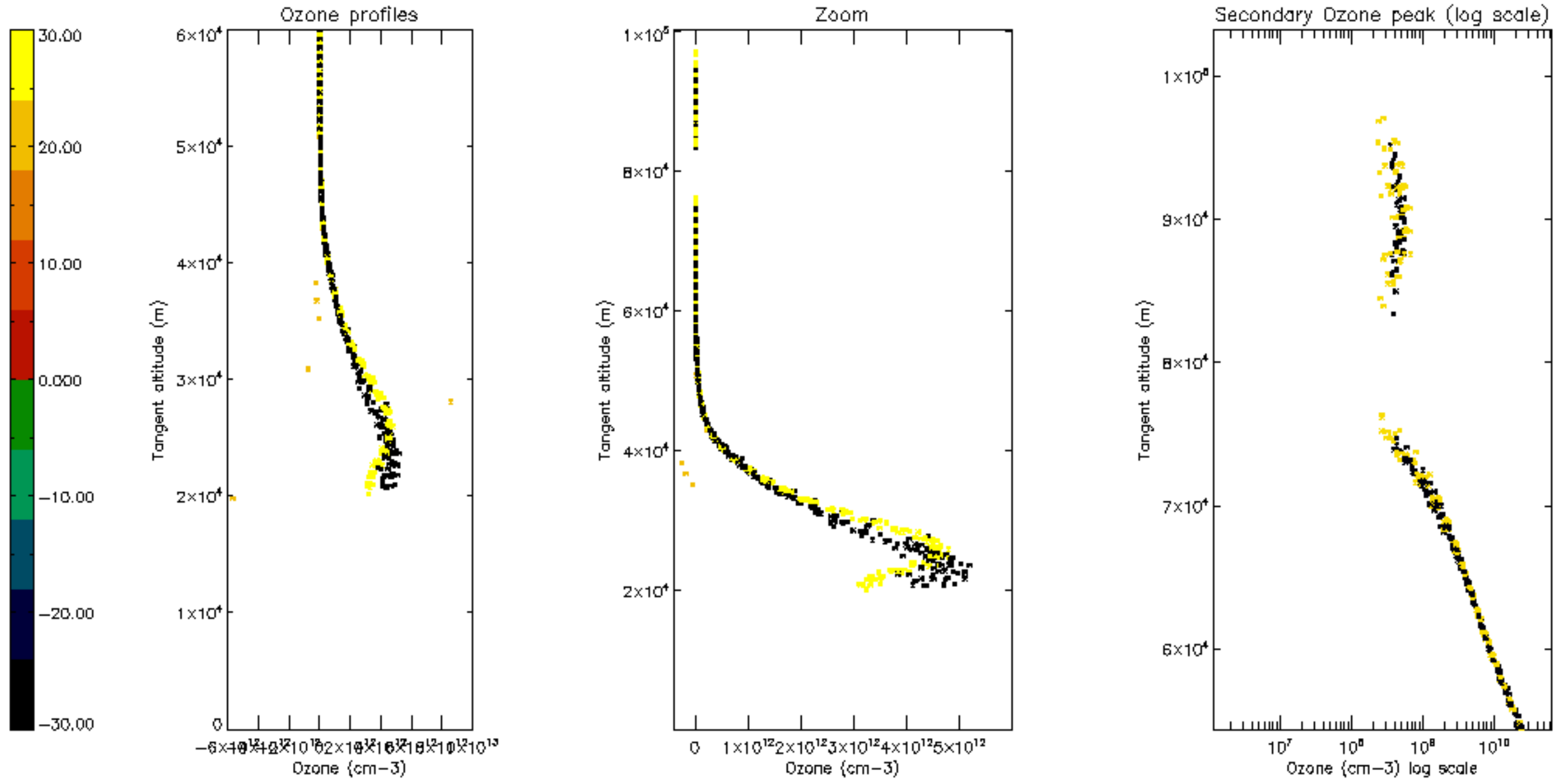


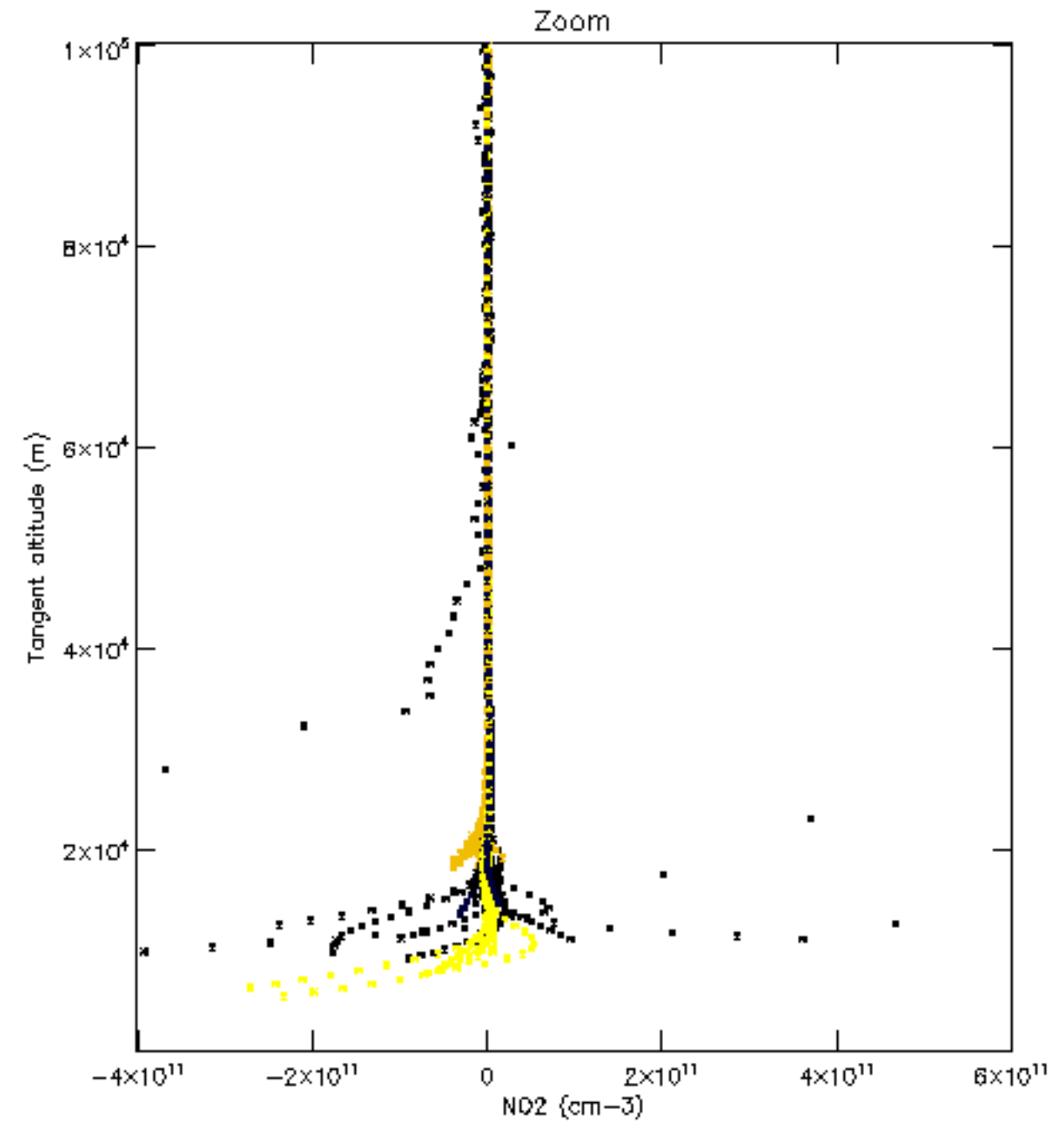
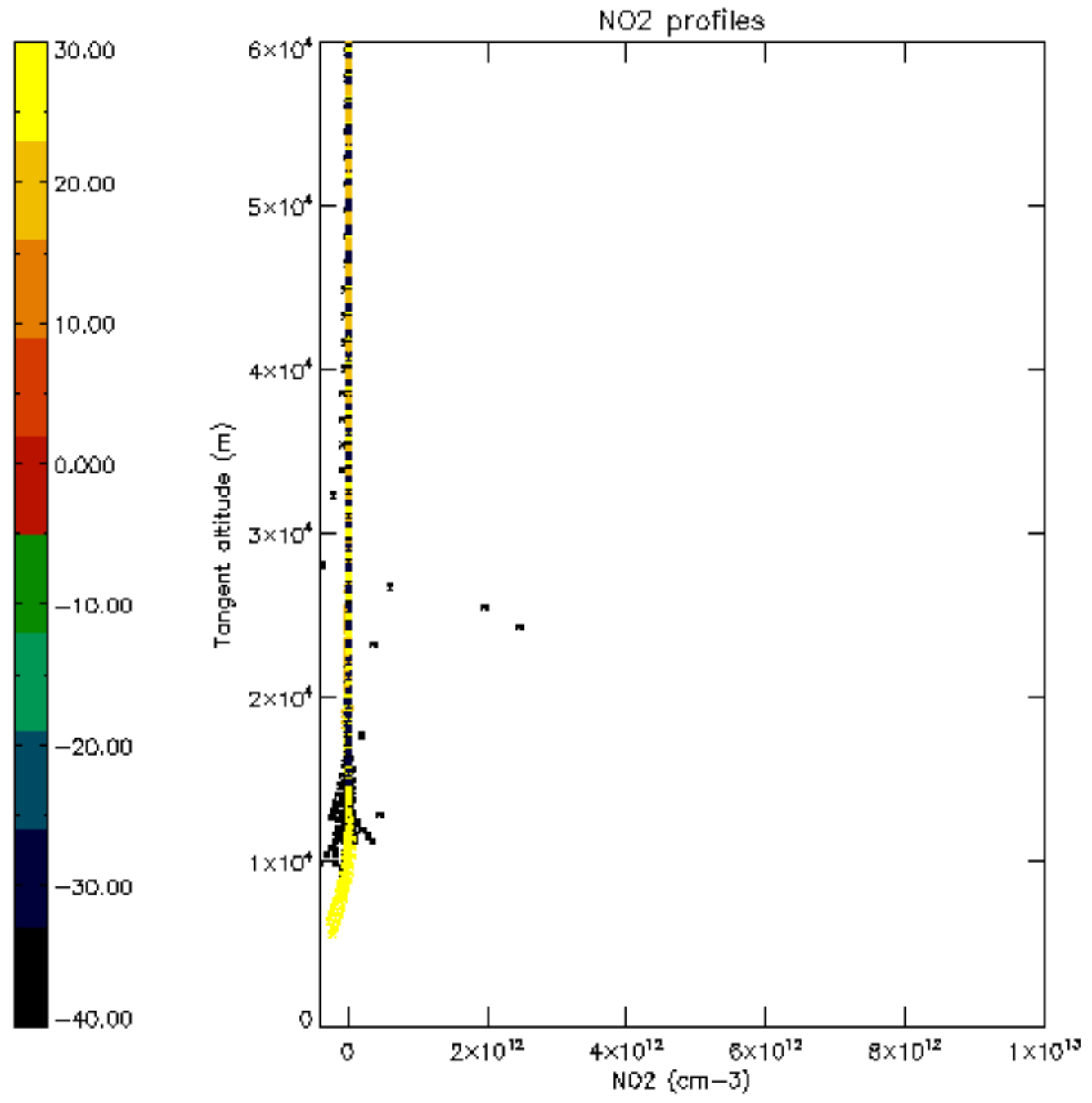


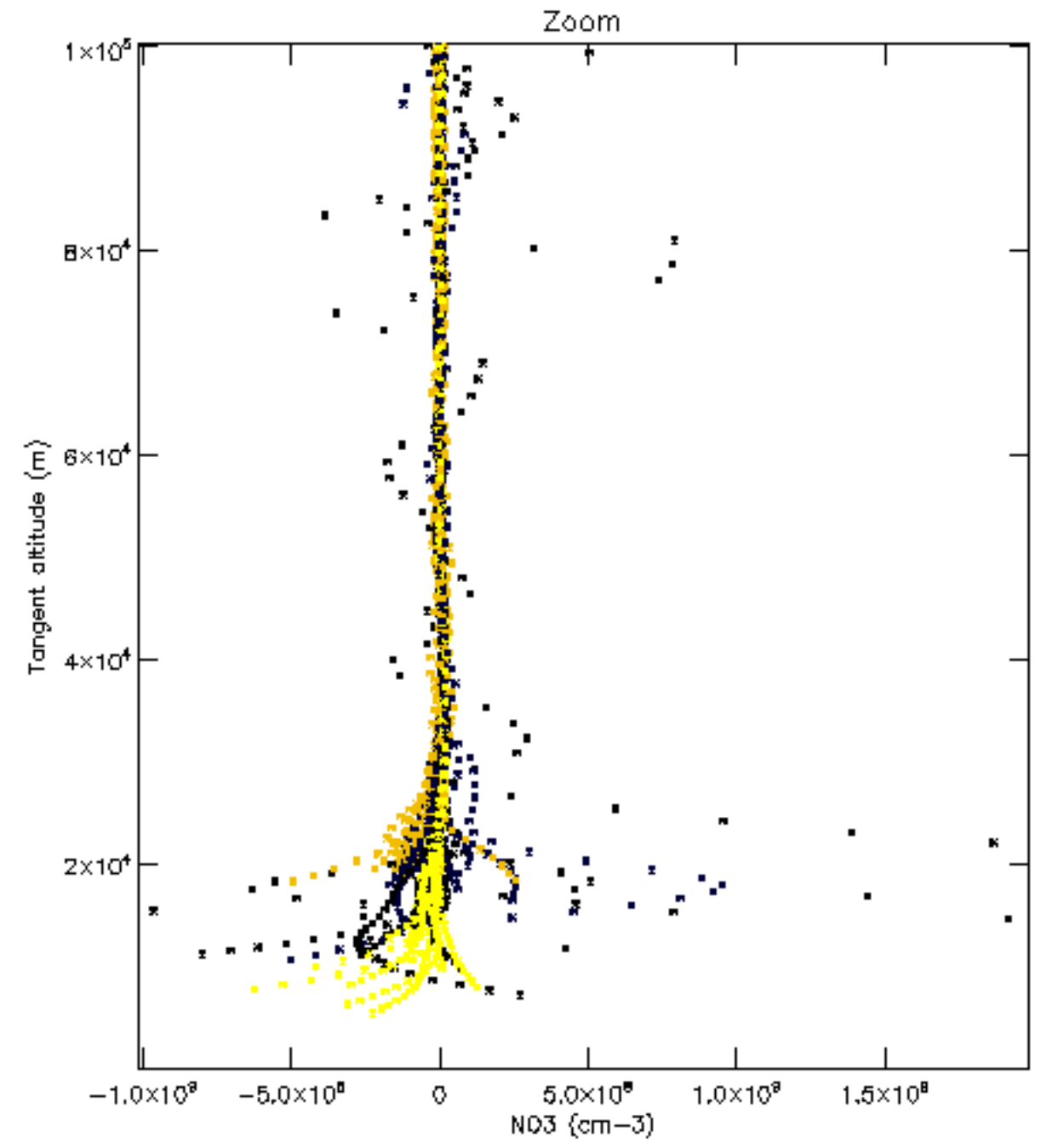
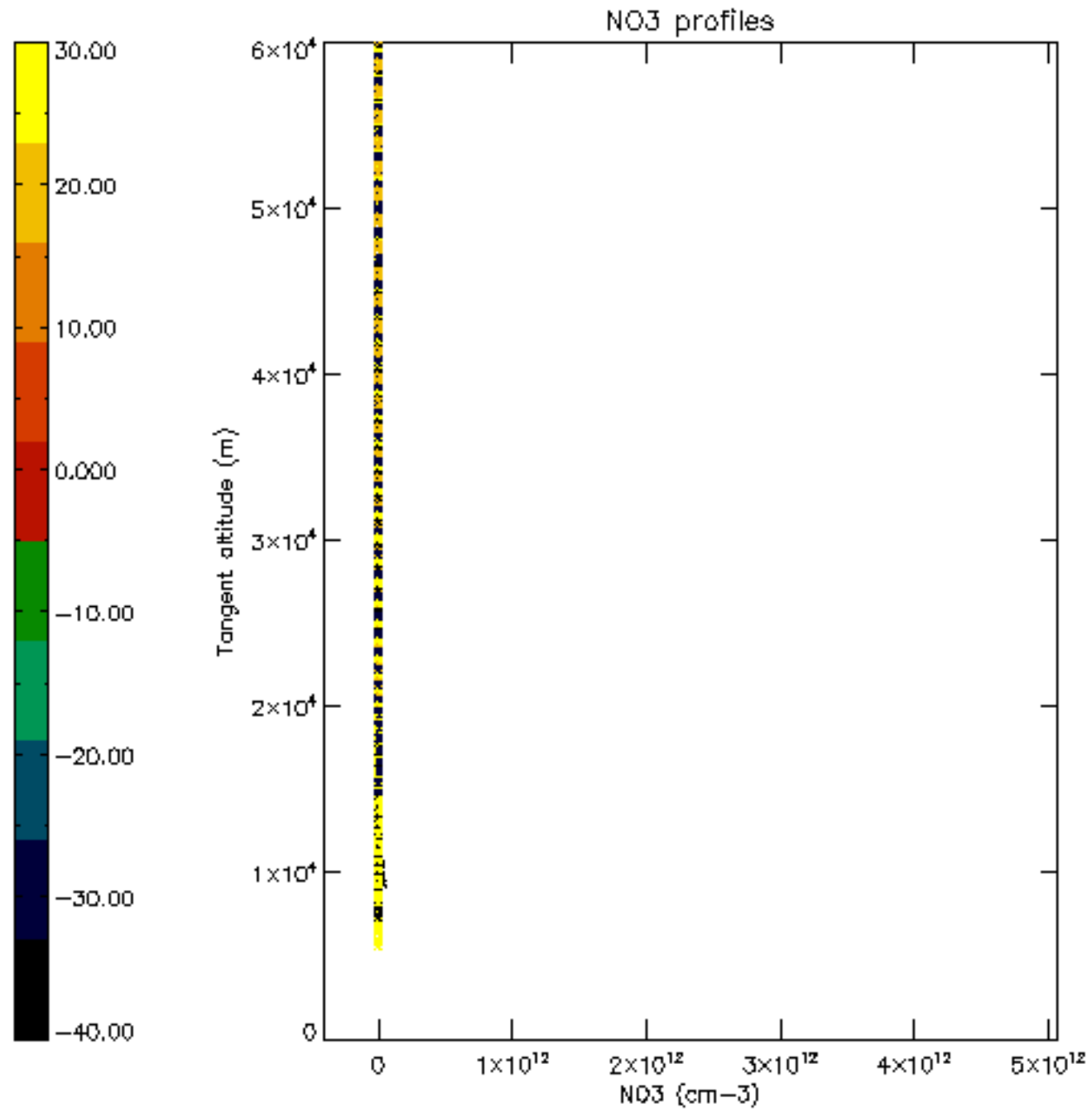


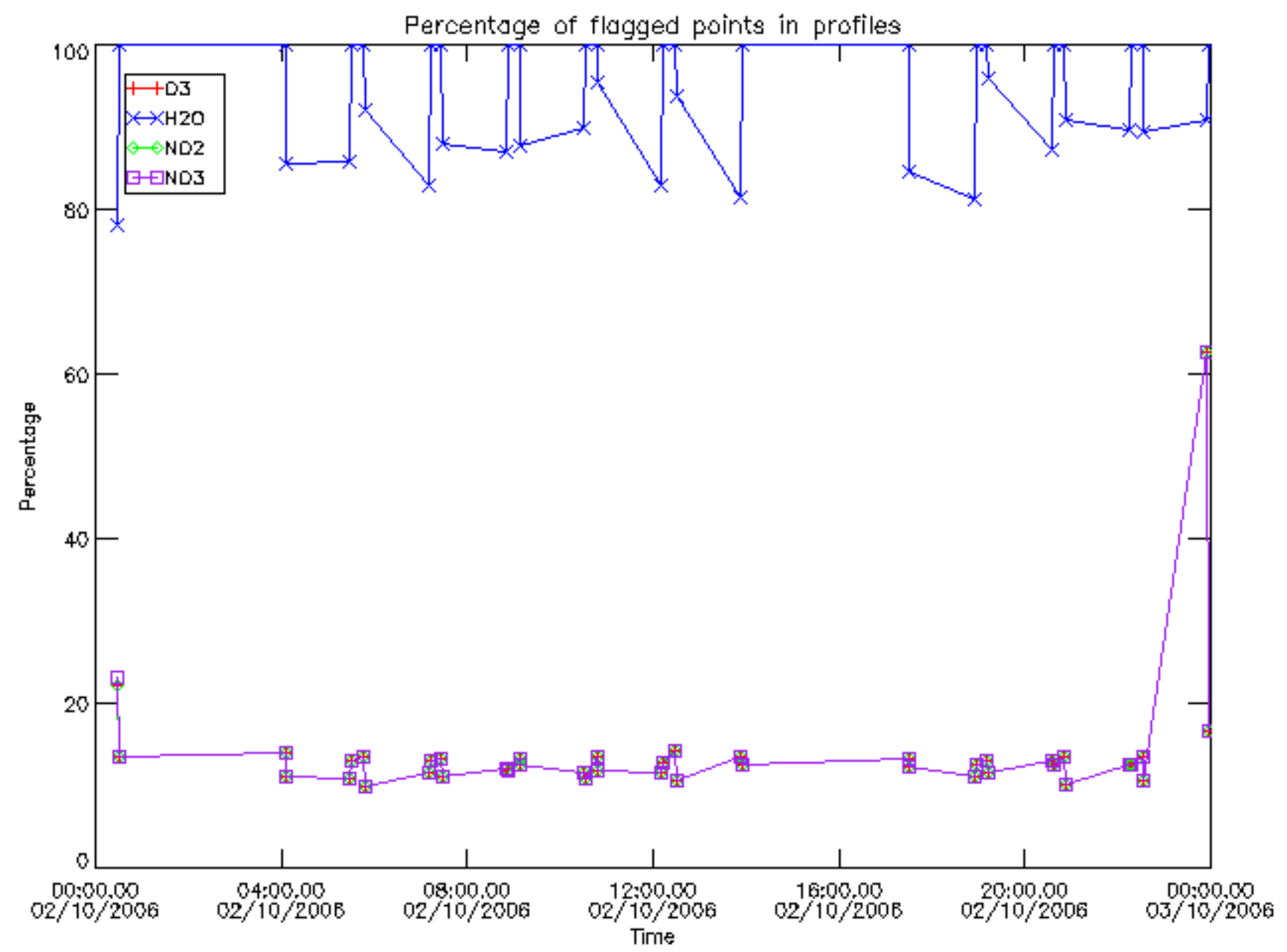






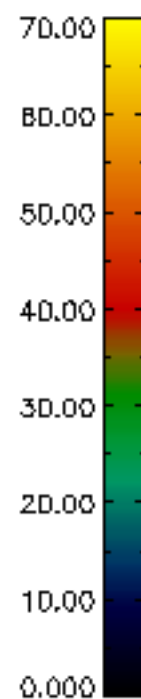
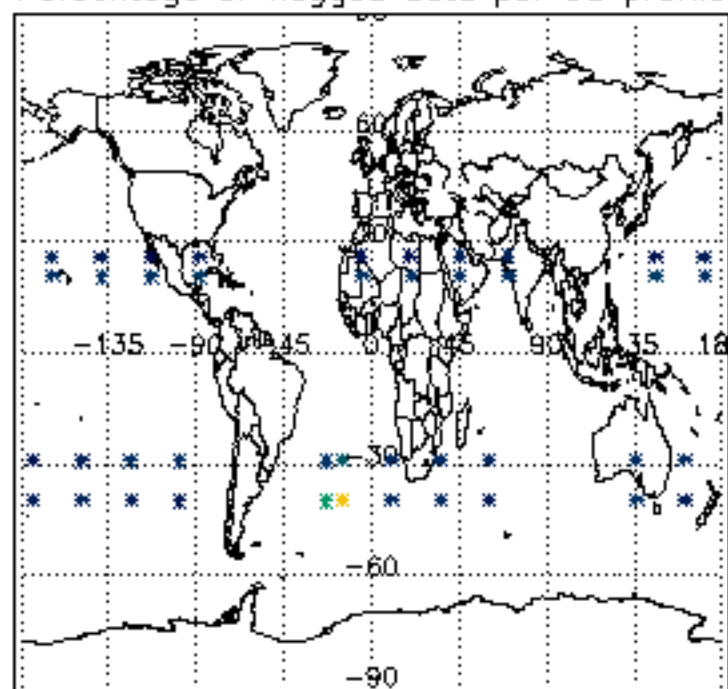




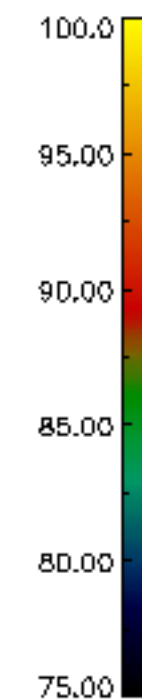
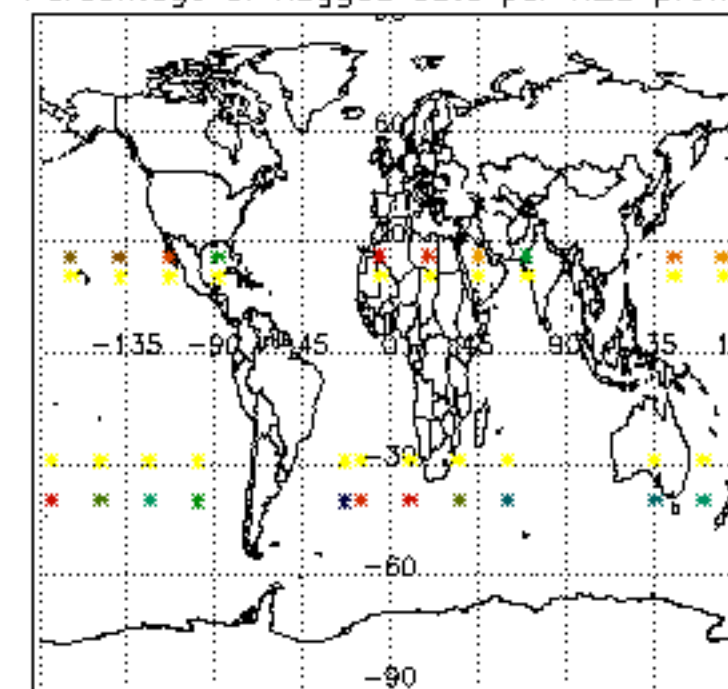




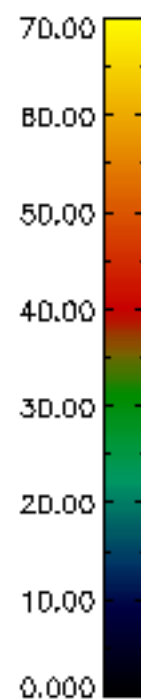
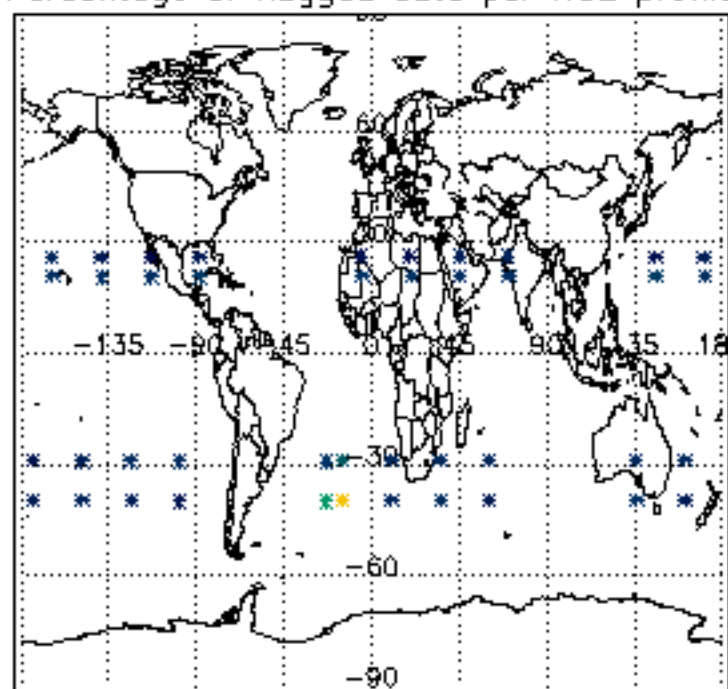
Percentage of flagged data per D3 profile



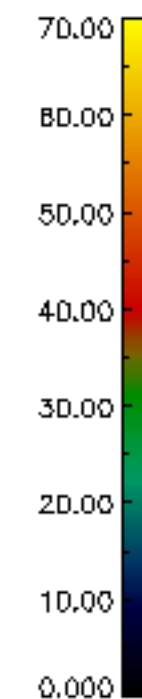
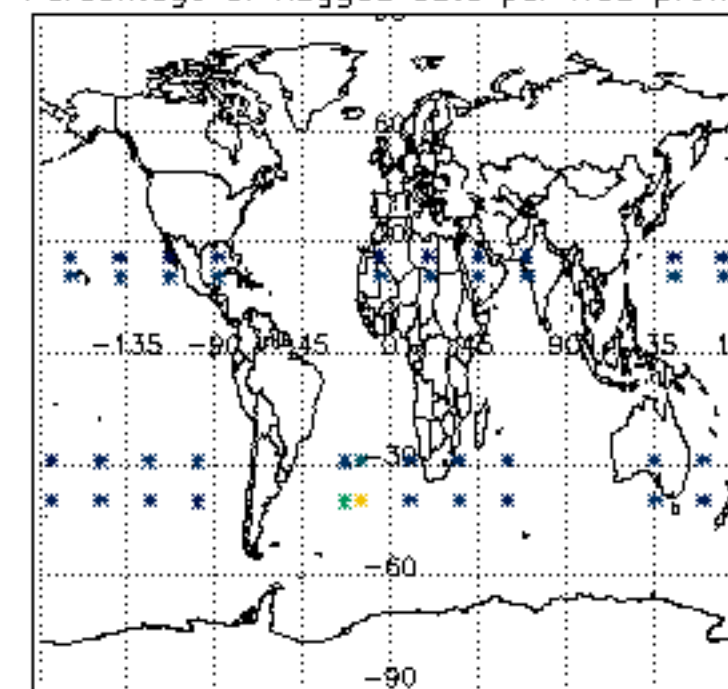
Percentage of flagged data per H2O profile

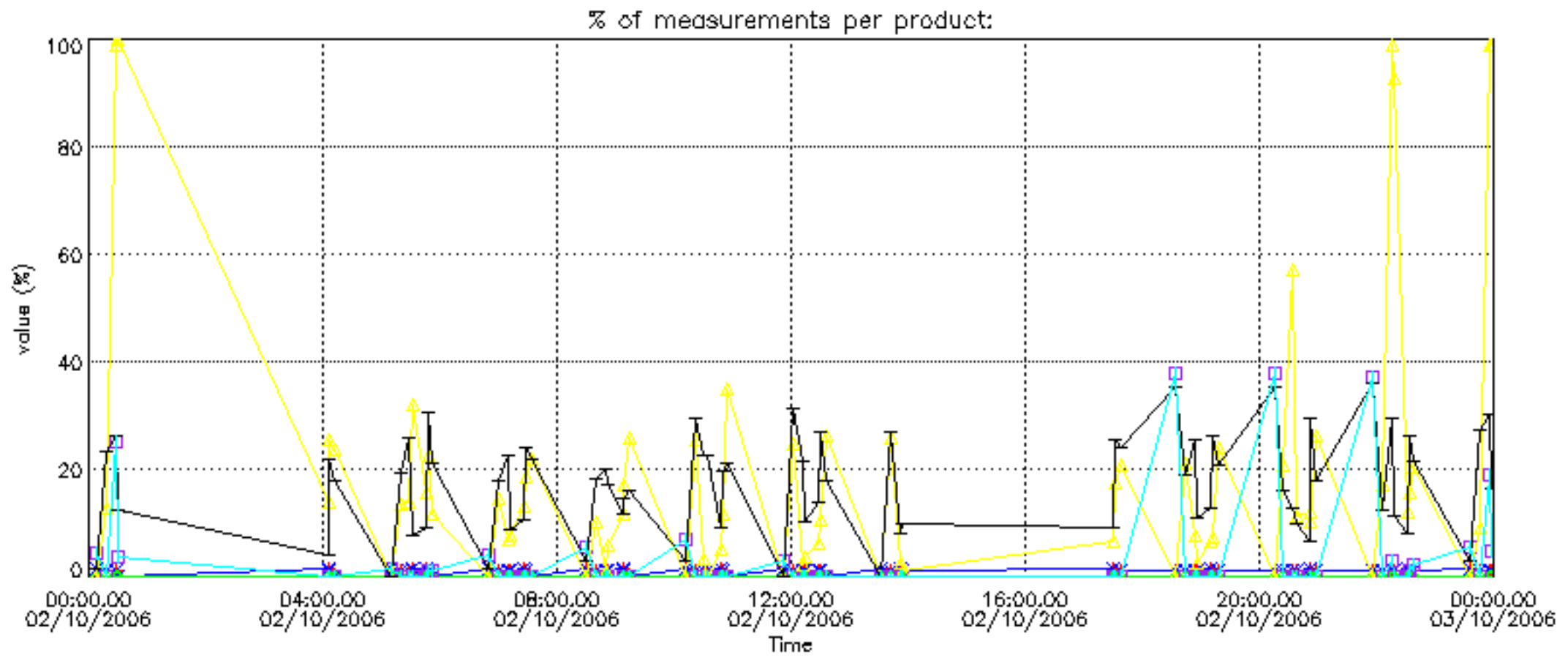


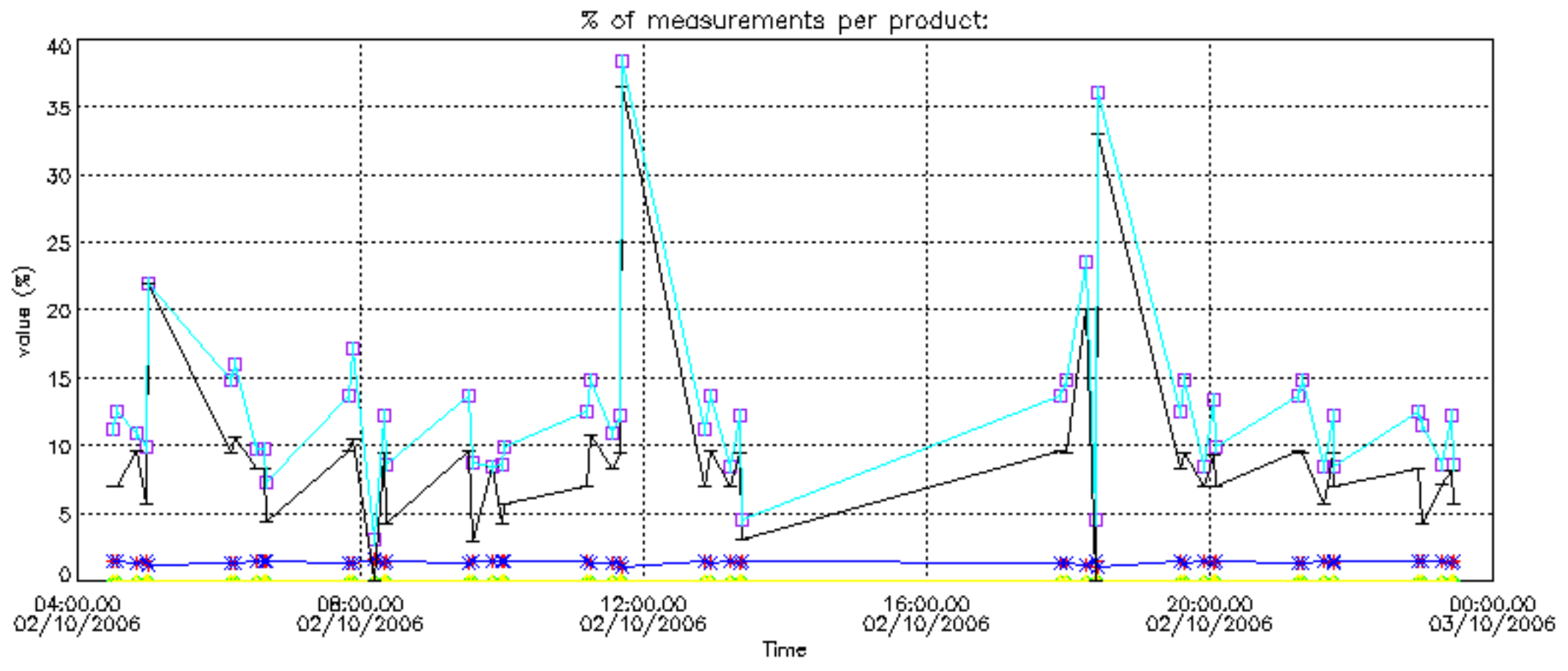
Percentage of flagged data per NO2 profile



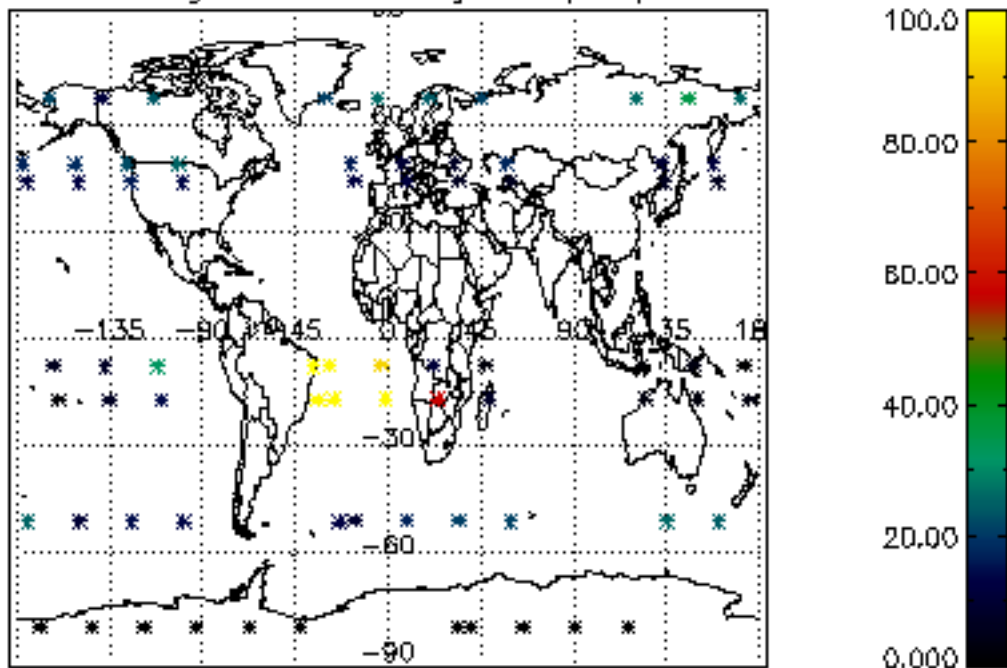
Percentage of flagged data per NO3 profile



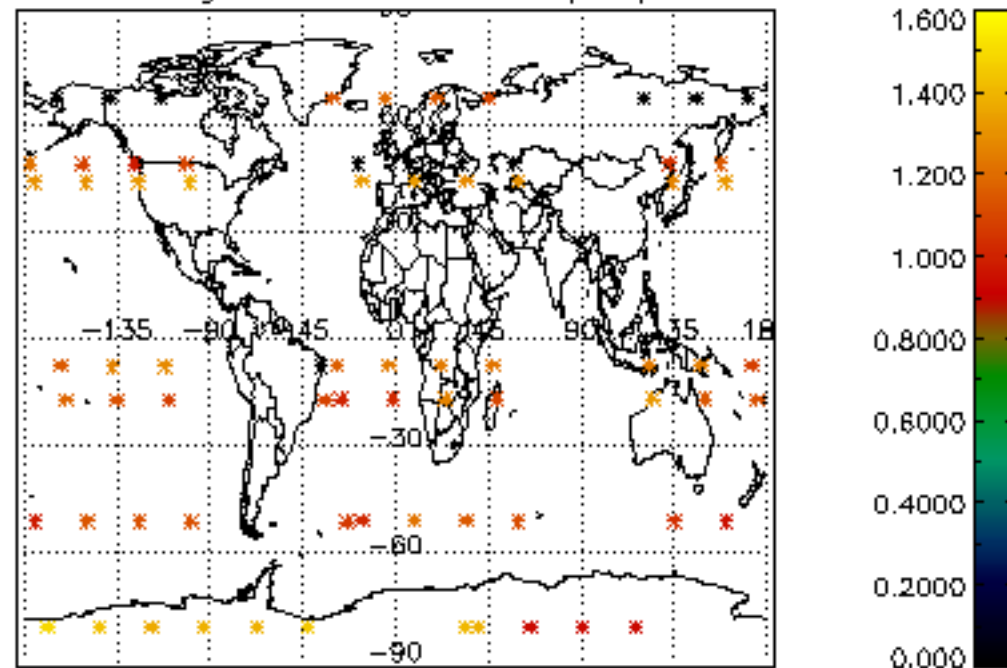




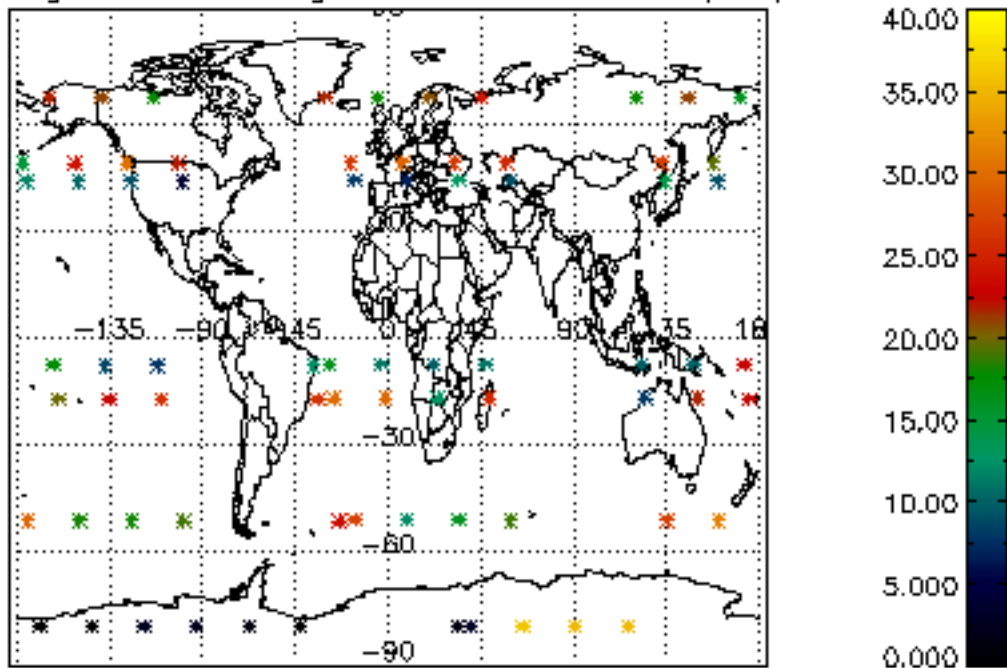
Percentage of cosmic ray hits per profile



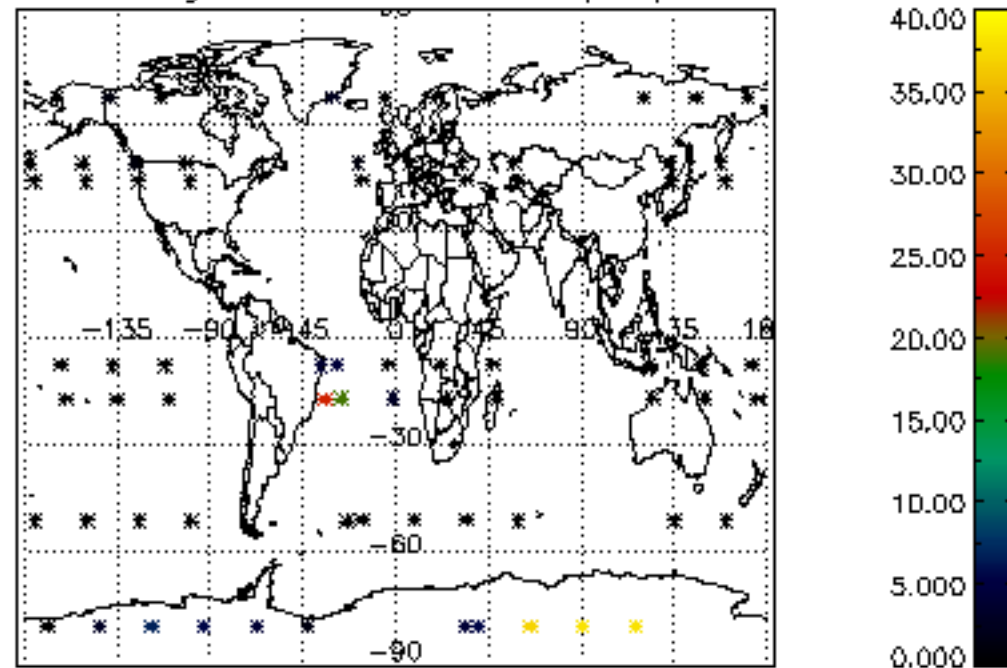
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

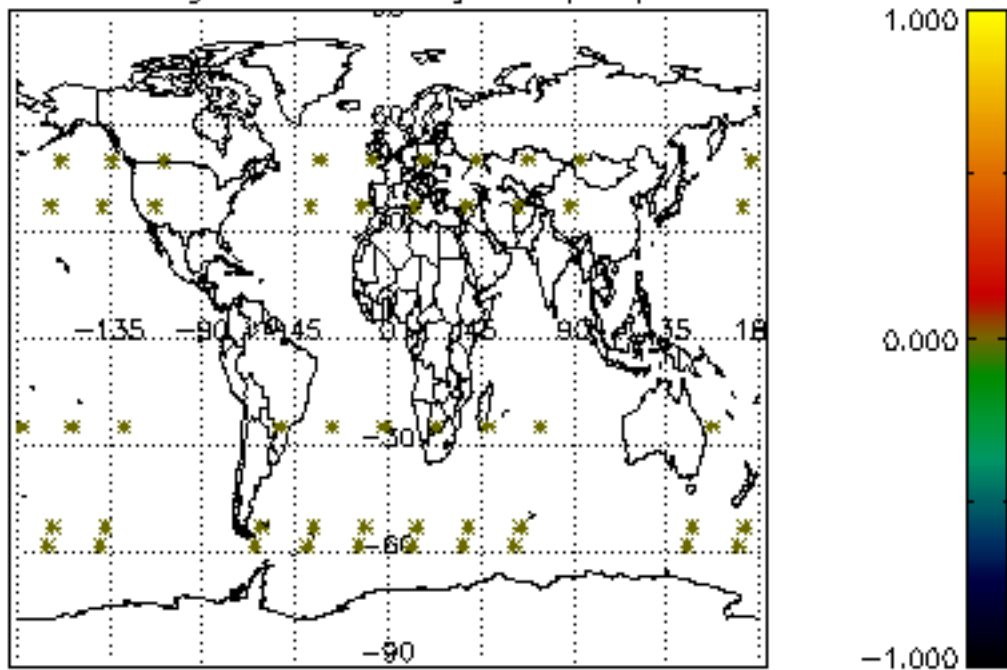


Percentage of saturation errors per profile

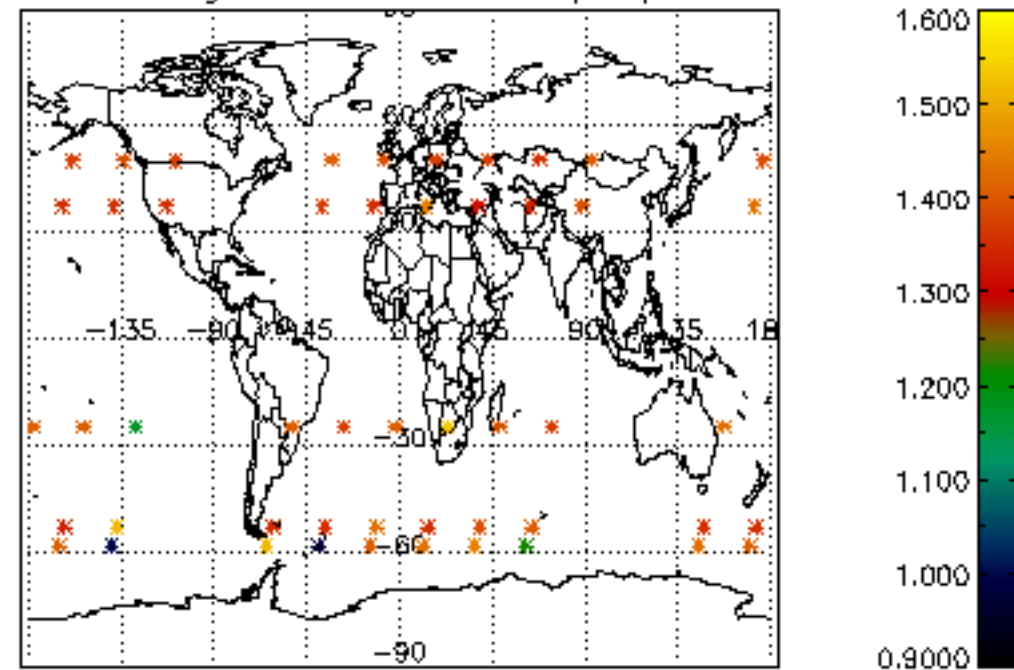




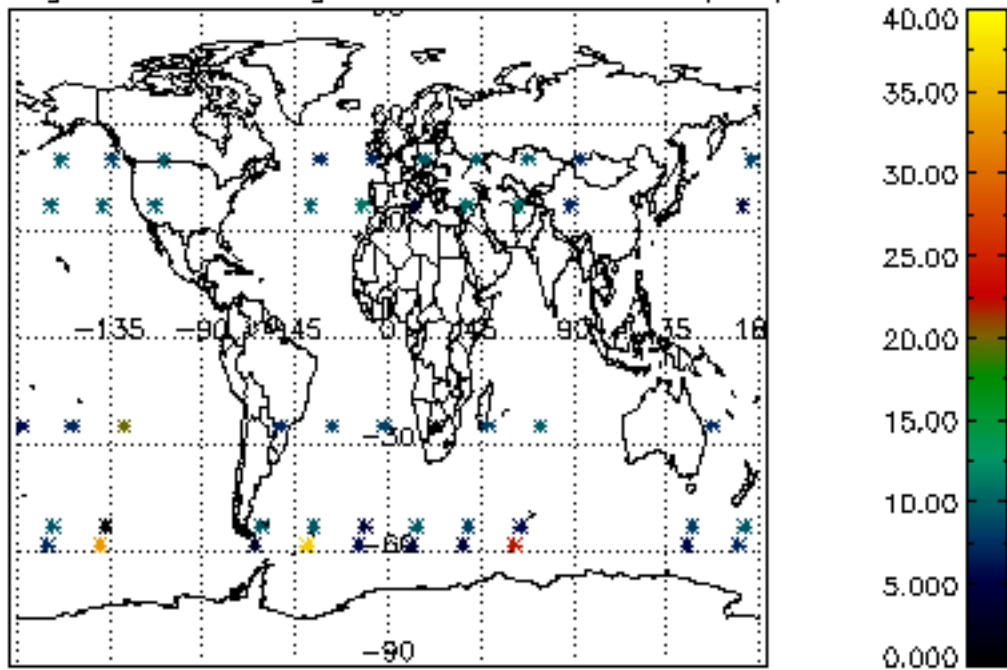
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

