

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

[2. Summary of processed GOM_NL_2P products](#)

[3. Level 2 Quality information per product](#)

[3.1 Plot of level 2 quality information per product \(time dependant\)](#)

[3.2 Plot of level 2 quality information per product \(world map\)](#)

[4. Level 1 Quality information per product \(stored on level 2 products\)](#)

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

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

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

[4.2 Plot of level 1 quality information per product \(world map\)](#)

[4.2.1 Plot of level 1 quality information per product \(world map\): ASCENDING](#)

[4.2.2 Plot of level 1 quality information per product \(world map\): DESCENDING](#)

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

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

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

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

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

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

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

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

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

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

This report presents the daily analysis on parameters extracted from GOMOS level 2 data (GOM_NL__2P). It is intended to monitor some important parameters that will impact the quality of these products. A list of level 2 products (and content) that have arrived during the reporting day to the PCF is also given.

Item	Value
Time of report generation	24APR2013 04:35:49
Data source version	GOMOS/6.01
Start time of products	01-10-2006 (01OCT2006 00:00:00)
Stop time of products	02-10-2006 (02OCT2006 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__2PRFIN20061001_075811_000000402051_00379_23980_2230.N1	01-OCT-2006 07:58:11	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	23980	No
2	GOM_NL__2PRFIN20061001_075939_000000502051_00379_23980_2231.N1	01-OCT-2006 07:59:39	Dark	49.500	9	Alp Eri	0.45300	24000.	99	23980	No
3	GOM_NL__2PRFIN20061001_080501_000000402051_00379_23980_2232.N1	01-OCT-2006 08:05:01	Straylight	39.500	84	Alp Phe	2.3970	4500.0	79	23980	No
4	GOM_NL__2PRFIN20061001_082207_000000362051_00379_23980_2233.N1	01-OCT-2006 08:22:07	Bright	35.500	90	54Alp Peg	2.4870	11000.	71	23980	No
5	GOM_NL__2PRFIN20061001_082545_000000362051_00379_23980_2234.N1	01-OCT-2006 08:25:45	Bright	36.000	93	53Bet Peg	2.5200	3100.0	72	23980	No
6	GOM_NL__2PRFIN20061001_084307_000000362051_00379_23980_2235.N1	01-OCT-2006 08:43:07	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	23980	No
7	GOM_NL__2PRFIN20061001_085104_000000352051_00379_23980_2236.N1	01-OCT-2006 08:51:04	Bright	35.000	36	50Alp UMa	1.8000	6300.0	70	23980	No
8	GOM_NL__2PRFIN20061001_085234_000000362051_00379_23980_2237.N1	01-OCT-2006 08:52:34	Bright	35.500	82	48Bet UMa	2.3650	10600.	71	23980	No
9	GOM_NL__2PRFIN20061001_090227_000000362051_00379_23980_2238.N1	01-OCT-2006 09:02:27	Bright	35.500	166	17Eps Leo	2.9800	6000.0	71	23980	No
10	GOM_NL__2PRFIN20061001_091201_000000442051_00379_23980_2239.N1	01-OCT-2006 09:12:01	Twilight	43.500	48	30Alp Hya	1.9770	4100.0	87	23980	No
11	GOM_NL__2PRFIN20061001_092142_000000422051_00379_23980_2240.N1	01-OCT-2006 09:21:42	Dark	42.000	65	Lam Vel	2.2040	4400.0	84	23980	No
12	GOM_NL__2PRFIN20061001_092418_000000442051_00379_23980_2241.N1	01-OCT-2006 09:24:18	Dark	43.500	34	Gam2Vel	1.7930	23000.	87	23980	No
13	GOM_NL__2PRFIN20061001_093848_000000392051_00380_23981_2365.N1	01-OCT-2006 09:38:48	Dark	39.000	143	Alp Hyi	2.8570	7200.0	78	23981	No
14	GOM_NL__2PRFIN20061001_094016_000000472051_00380_23981_2366.N1	01-OCT-2006 09:40:16	Dark	46.500	9	Alp Eri	0.45300	24000.	93	23981	No
15	GOM_NL__2PRFIN20061001_094537_000000392051_00380_23981_2367.N1	01-OCT-2006 09:45:37	Straylight	39.000	84	Alp Phe	2.3970	4500.0	78	23981	No
16	GOM_NL__2PRFIN20061001_100243_000000372051_00380_23981_2368.N1	01-OCT-2006 10:02:43	Bright	36.500	90	54Alp Peg	2.4870	11000.	73	23981	No
17	GOM_NL__2PRFIN20061001_100621_000000382051_00380_23981_2369.N1	01-OCT-2006 10:06:21	Bright	38.000	93	53Bet Peg	2.5200	3100.0	76	23981	No
18	GOM_NL__2PRFIN20061001_102343_000000372051_00380_23981_2370.N1	01-OCT-2006 10:23:43	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	23981	No
19	GOM_NL__2PRFIN20061001_103140_000000522051_00380_23981_2371.N1	01-OCT-2006 10:31:40	Bright	52.000	36	50Alp UMa	1.8000	6300.0	104	23981	No
20	GOM_NL__2PRFIN20061001_103311_000000342051_00380_23981_2372.N1	01-OCT-2006 10:33:11	Bright	34.000	82	48Bet UMa	2.3650	10600.	68	23981	No
21	GOM_NL__2PRFIN20061001_104303_000000362051_00380_23981_2373.N1	01-OCT-2006 10:43:03	Bright	36.000	166	17Eps Leo	2.9800	6000.0	72	23981	No
22	GOM_NL__2PRFIN20061001_105237_000000512051_00380_23981_2374.N1	01-OCT-2006 10:52:37	Twilight	51.000	48	30Alp Hya	1.9770	4100.0	102	23981	No
23	GOM_NL__2PRFIN20061001_110218_000000442051_00380_23981_2375.N1	01-OCT-2006 11:02:18	Dark	43.500	65	Lam Vel	2.2040	4400.0	87	23981	No
24	GOM_NL__2PRFIN20061001_110454_000000392051_00380_23981_2376.N1	01-OCT-2006 11:04:54	Dark	38.500	34	Gam2Vel	1.7930	23000.	77	23981	No
25	GOM_NL__2PRFIN20061001_111924_000000392051_00381_23982_2366.N1	01-OCT-2006 11:19:24	Dark	38.500	143	Alp Hyi	2.8570	7200.0	77	23982	No
26	GOM_NL__2PRFIN20061001_112052_000000392051_00381_23982_2367.N1	01-OCT-2006 11:20:52	Dark	39.000	9	Alp Eri	0.45300	24000.	78	23982	No
27	GOM_NL__2PRFIN20061001_112613_000000482051_00381_23982_2368.N1	01-OCT-2006 11:26:13	Straylight	48.000	84	Alp Phe	2.3970	4500.0	96	23982	No
28	GOM_NL__2PRFIN20061001_114319_000000362051_00381_23982_2369.N1	01-OCT-2006 11:43:19	Bright	36.000	90	54Alp Peg	2.4870	11000.	72	23982	No
29	GOM_NL__2PRFIN20061001_114657_000000382051_00381_23982_2370.N1	01-OCT-2006 11:46:57	Bright	37.500	93	53Bet Peg	2.5200	3100.0	75	23982	No
30	GOM_NL__2PRFIN20061001_120419_000000352051_00381_23982_2371.N1	01-OCT-2006 12:04:19	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	23982	No
31	GOM_NL__2PRFIN20061001_121216_000000372051_00381_23982_2372.N1	01-OCT-2006 12:12:16	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	23982	No
32	GOM_NL__2PRFIN20061001_121347_000000522051_00381_23982_2373.N1	01-OCT-2006 12:13:47	Bright	52.000	82	48Bet UMa	2.3650	10600.	104	23982	No
33	GOM_NL__2PRFIN20061001_122339_000000342051_00381_23982_2374.N1	01-OCT-2006 12:23:39	Bright	33.500	166	17Eps Leo	2.9800	6000.0	67	23982	No
34	GOM_NL__2PRFIN20061001_123314_000000482051_00381_23982_2375.N1	01-OCT-2006 12:33:14	Twilight	47.500	48	30Alp Hya	1.9770	4100.0	95	23982	No
35	GOM_NL__2PRFIN20061001_124254_000000412051_00381_23982_2376.N1	01-OCT-2006 12:42:54	Dark	41.000	65	Lam Vel	2.2040	4400.0	82	23982	No
36	GOM_NL__2PRFIN20061001_124530_000000402051_00381_23982_2377.N1	01-OCT-2006 12:45:30	Dark	39.500	34	Gam2Vel	1.7930	23000.	79	23982	No
37	GOM_NL__2PRFIN20061001_130001_000000382051_00382_23983_2367.N1	01-OCT-2006 13:00:01	Dark	37.500	143	Alp Hyi	2.8570	7200.0	75	23983	No
38	GOM_NL__2PRFIN20061001_130128_000000422051_00382_23983_2368.N1	01-OCT-2006 13:01:28	Dark	41.500	9	Alp Eri	0.45300	24000.	83	23983	No
39	GOM_NL__2PRFIN20061001_130649_000000432051_00382_23983_2369.N1	01-OCT-2006 13:06:49	Straylight	43.000	84	Alp Phe	2.3970	4500.0	86	23983	No
40	GOM_NL__2PRFIN20061001_132355_000000362051_00382_23983_2370.N1	01-OCT-2006 13:23:55	Bright	36.000	90	54Alp Peg	2.4870	11000.	72	23983	No
41	GOM_NL__2PRFIN20061001_132733_000000352051_00382_23983_2371.N1	01-OCT-2006 13:27:33	Bright	35.000	93	53Bet Peg	2.5200	3100.0	70	23983	No
42	GOM_NL__2PRFIN20061001_134455_000000372051_00382_23983_2372.N1	01-OCT-2006 13:44:55	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	23983	No

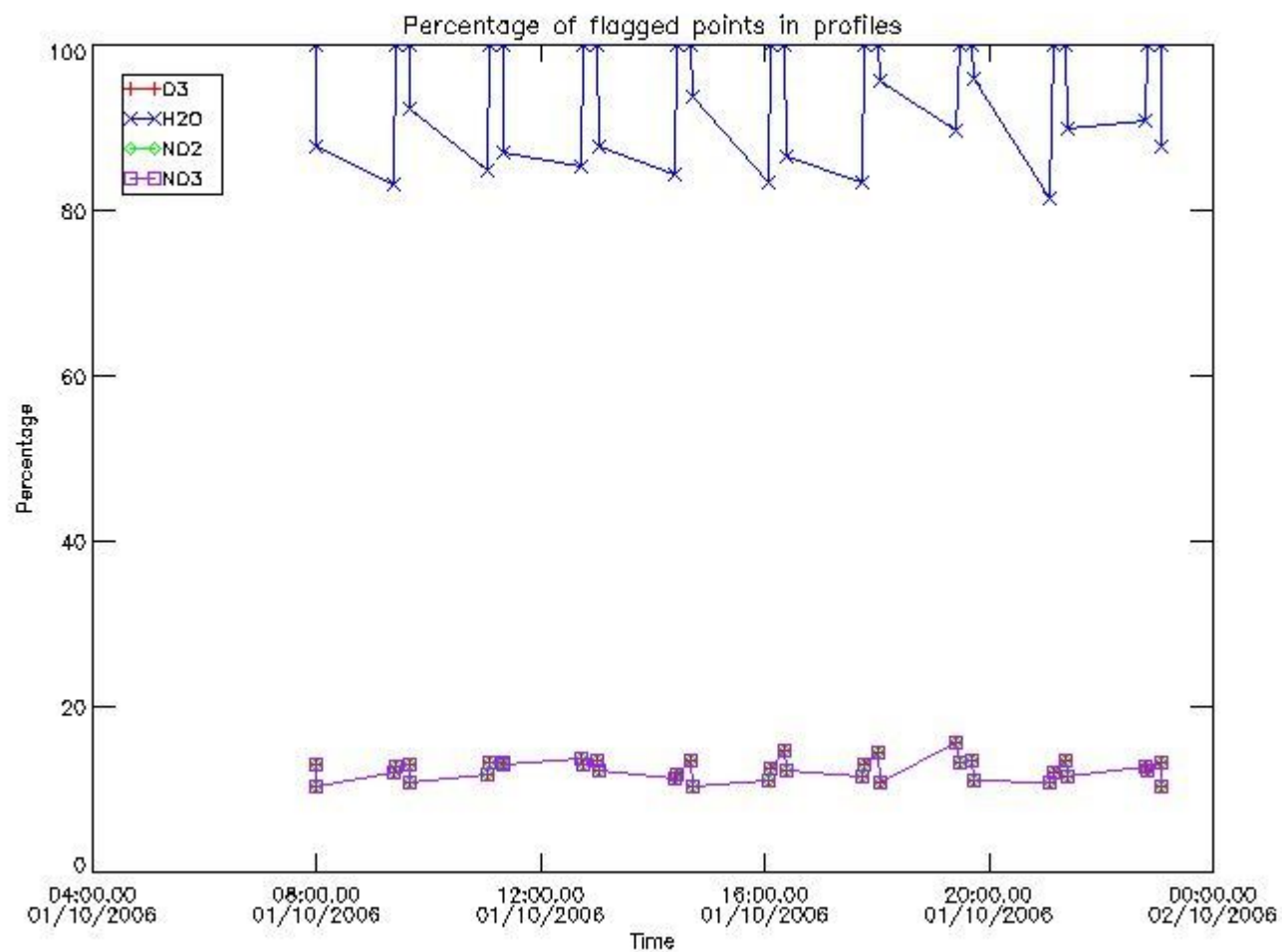
43	GOM_NL__2PRFIN20061001_135252_000000372051_00382_23983_2373.N1	01-OCT-2006 13:52:52	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	23983	No
44	GOM_NL__2PRFIN20061001_135423_000000362051_00382_23983_2374.N1	01-OCT-2006 13:54:23	Bright	36.000	82	48Bet UMa	2.3650	10600.	72	23983	No
45	GOM_NL__2PRFIN20061001_140415_000000332051_00382_23983_2375.N1	01-OCT-2006 14:04:15	Bright	32.500	166	17Eps Leo	2.9800	6000.0	65	23983	No
46	GOM_NL__2PRFIN20061001_141350_000000472051_00382_23983_2376.N1	01-OCT-2006 14:13:50	Twilight	46.500	48	30Alp Hya	1.9770	4100.0	93	23983	No
47	GOM_NL__2PRFIN20061001_142331_000000452051_00382_23983_2377.N1	01-OCT-2006 14:23:31	Dark	45.000	65	Lam Vel	2.2040	4400.0	90	23983	No
48	GOM_NL__2PRFIN20061001_142607_000000442051_00382_23983_2378.N1	01-OCT-2006 14:26:07	Dark	43.500	34	Gam2Vel	1.7930	23000.	87	23983	No
49	GOM_NL__2PRFIN20061001_144037_000000382051_00383_23984_2368.N1	01-OCT-2006 14:40:37	Dark	37.500	143	Alp Hyi	2.8570	7200.0	75	23984	No
50	GOM_NL__2PRFIN20061001_144205_000000492051_00383_23984_2369.N1	01-OCT-2006 14:42:05	Dark	49.000	9	Alp Eri	0.45300	24000.	98	23984	No
51	GOM_NL__2PRFIN20061001_144726_000000442051_00383_23984_2370.N1	01-OCT-2006 14:47:26	Straylight	44.000	84	Alp Phe	2.3970	4500.0	88	23984	No
52	GOM_NL__2PRFIN20061001_150431_000000372051_00383_23984_2371.N1	01-OCT-2006 15:04:31	Bright	36.500	90	54Alp Peg	2.4870	11000.	73	23984	No
53	GOM_NL__2PRFIN20061001_150809_000000382051_00383_23984_2372.N1	01-OCT-2006 15:08:09	Bright	37.500	93	53Bet Peg	2.5200	3100.0	75	23984	No
54	GOM_NL__2PRFIN20061001_152531_000000362051_00383_23984_2373.N1	01-OCT-2006 15:25:31	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	23984	No
55	GOM_NL__2PRFIN20061001_153329_000000362051_00383_23984_2374.N1	01-OCT-2006 15:33:29	Bright	36.000	36	50Alp UMa	1.8000	6300.0	72	23984	No
56	GOM_NL__2PRFIN20061001_153459_000000412051_00383_23984_2375.N1	01-OCT-2006 15:34:59	Bright	40.500	82	48Bet UMa	2.3650	10600.	81	23984	No
57	GOM_NL__2PRFIN20061001_154451_000000352051_00383_23984_2376.N1	01-OCT-2006 15:44:51	Bright	35.000	166	17Eps Leo	2.9800	6000.0	70	23984	No
58	GOM_NL__2PRFIN20061001_155426_000000482051_00383_23984_2377.N1	01-OCT-2006 15:54:26	Twilight	47.500	48	30Alp Hya	1.9770	4100.0	95	23984	No
59	GOM_NL__2PRFIN20061001_160407_000000462051_00383_23984_2378.N1	01-OCT-2006 16:04:07	Dark	45.500	65	Lam Vel	2.2040	4400.0	91	23984	No
60	GOM_NL__2PRFIN20061001_160644_000000412051_00383_23984_2379.N1	01-OCT-2006 16:06:44	Dark	40.500	34	Gam2Vel	1.7930	23000.	81	23984	No
61	GOM_NL__2PRFIN20061001_162113_000000382051_00384_23985_2369.N1	01-OCT-2006 16:21:13	Dark	38.000	143	Alp Hyi	2.8570	7200.0	76	23985	No
62	GOM_NL__2PRFIN20061001_162241_000000422051_00384_23985_2370.N1	01-OCT-2006 16:22:41	Dark	41.500	9	Alp Eri	0.45300	24000.	83	23985	No
63	GOM_NL__2PRFIN20061001_162802_000000502051_00384_23985_2371.N1	01-OCT-2006 16:28:02	Straylight	49.500	84	Alp Phe	2.3970	4500.0	99	23985	No
64	GOM_NL__2PRFIN20061001_164507_000000372051_00384_23985_2372.N1	01-OCT-2006 16:45:07	Bright	37.000	90	54Alp Peg	2.4870	11000.	74	23985	No
65	GOM_NL__2PRFIN20061001_164845_000000372051_00384_23985_2373.N1	01-OCT-2006 16:48:45	Bright	36.500	93	53Bet Peg	2.5200	3100.0	73	23985	No
66	GOM_NL__2PRFIN20061001_170607_000000362051_00384_23985_2374.N1	01-OCT-2006 17:06:07	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	23985	No
67	GOM_NL__2PRFIN20061001_171405_000000342051_00384_23985_2375.N1	01-OCT-2006 17:14:05	Bright	34.000	36	50Alp UMa	1.8000	6300.0	68	23985	No
68	GOM_NL__2PRFIN20061001_171535_000000352051_00384_23985_2376.N1	01-OCT-2006 17:15:35	Bright	34.500	82	48Bet UMa	2.3650	10600.	69	23985	No
69	GOM_NL__2PRFIN20061001_172528_000000362051_00384_23985_2377.N1	01-OCT-2006 17:25:28	Bright	36.000	166	17Eps Leo	2.9800	6000.0	72	23985	No
70	GOM_NL__2PRFIN20061001_173503_000000462051_00384_23985_2378.N1	01-OCT-2006 17:35:03	Twilight	46.000	48	30Alp Hya	1.9770	4100.0	92	23985	No
71	GOM_NL__2PRFIN20061001_174443_000000492051_00384_23985_2379.N1	01-OCT-2006 17:44:43	Dark	48.500	65	Lam Vel	2.2040	4400.0	97	23985	No
72	GOM_NL__2PRFIN20061001_174720_000000392051_00384_23985_2380.N1	01-OCT-2006 17:47:20	Dark	39.000	34	Gam2Vel	1.7930	23000.	78	23985	No
73	GOM_NL__2PRFIN20061001_180150_000000392051_00385_23986_2371.N1	01-OCT-2006 18:01:50	Dark	38.500	143	Alp Hyi	2.8570	7200.0	77	23986	No
74	GOM_NL__2PRFIN20061001_180317_000000472051_00385_23986_2372.N1	01-OCT-2006 18:03:17	Dark	47.000	9	Alp Eri	0.45300	24000.	94	23986	No
75	GOM_NL__2PRFIN20061001_180838_000000432051_00385_23986_2373.N1	01-OCT-2006 18:08:38	Straylight	43.000	84	Alp Phe	2.3970	4500.0	86	23986	No
76	GOM_NL__2PRFIN20061001_182543_000000372051_00385_23986_2374.N1	01-OCT-2006 18:25:43	Bright	36.500	90	54Alp Peg	2.4870	11000.	73	23986	No
77	GOM_NL__2PRFIN20061001_182921_000000382051_00385_23986_2375.N1	01-OCT-2006 18:29:21	Bright	37.500	93	53Bet Peg	2.5200	3100.0	75	23986	No
78	GOM_NL__2PRFIN20061001_184643_000000352051_00385_23986_2376.N1	01-OCT-2006 18:46:43	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	23986	No
79	GOM_NL__2PRFIN20061001_185441_000000342051_00385_23986_2377.N1	01-OCT-2006 18:54:41	Bright	33.500	36	50Alp UMa	1.8000	6300.0	67	23986	No
80	GOM_NL__2PRFIN20061001_185611_000000342051_00385_23986_2378.N1	01-OCT-2006 18:56:11	Bright	34.000	82	48Bet UMa	2.3650	10600.	68	23986	No
81	GOM_NL__2PRFIN20061001_190604_000000402051_00385_23986_2379.N1	01-OCT-2006 19:06:04	Bright	40.000	166	17Eps Leo	2.9800	6000.0	80	23986	No
82	GOM_NL__2PRFIN20061001_191539_000000462051_00385_23986_2380.N1	01-OCT-2006 19:15:39	Twilight	45.500	48	30Alp Hya	1.9770	4100.0	91	23986	No
83	GOM_NL__2PRFIN20061001_192520_000000492051_00385_23986_2381.N1	01-OCT-2006 19:25:20	Dark	49.000	65	Lam Vel	2.2040	4400.0	98	23986	No
84	GOM_NL__2PRFIN20061001_192757_000000392051_00385_23986_2382.N1	01-OCT-2006 19:27:57	Dark	38.500	34	Gam2Vel	1.7930	23000.	77	23986	No
85	GOM_NL__2PRFIN20061001_194226_000000382051_00386_23987_2371.N1	01-OCT-2006 19:42:26	Dark	38.000	143	Alp Hyi	2.8570	7200.0	76	23987	No
86	GOM_NL__2PRFIN20061001_194354_000000502051_00386_23987_2372.N1	01-OCT-2006 19:43:54	Dark	50.000	9	Alp Eri	0.45300	24000.	100	23987	No
87	GOM_NL__2PRFIN20061001_194914_000000442051_00386_23987_2373.N1	01-OCT-2006 19:49:14	Straylight	43.500	84	Alp Phe	2.3970	4500.0	87	23987	No
88	GOM_NL__2PRFIN20061001_200619_000000372051_00386_23987_2374.N1	01-OCT-2006 20:06:19	Bright	36.500	90	54Alp Peg	2.4870	11000.	73	23987	No
89	GOM_NL__2PRFIN20061001_200957_000000362051_00386_23987_2375.N1	01-OCT-2006 20:09:57	Bright	35.500	93	53Bet Peg	2.5200	3100.0	71	23987	No
90	GOM_NL__2PRFIN20061001_202719_000000362051_00386_23987_2376.N1	01-OCT-2006 20:27:19	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	23987	No
91	GOM_NL__2PRFIN20061001_203517_000000382051_00386_23987_2377.N1	01-OCT-2006 20:35:17	Bright	38.000	36	50Alp UMa	1.8000	6300.0	76	23987	No
92	GOM_NL__2PRFIN20061001_203647_000000362051_00386_23987_2378.N1	01-OCT-2006 20:36:47	Bright	36.000	82	48Bet UMa	2.3650	10600.	72	23987	No
93	GOM_NL__2PRFIN20061001_204640_000000372051_00386_23987_2379.N1	01-OCT-2006 20:46:40	Bright	36.500	166	17Eps Leo	2.9800	6000.0	73	23987	No
94	GOM_NL__2PRFIN20061001_205615_000000442051_00386_23987_2380.N1	01-OCT-2006 20:56:15	Twilight	43.500	48	30Alp Hya	1.9770	4100.0	87	23987	No
95	GOM_NL__2PRFIN20061001_210556_000000472051_00386_23987_2381.N1	01-OCT-2006 21:05:56	Dark	46.500	65	Lam Vel	2.2040	4400.0	93	23987	No
96	GOM_NL__2PRFIN20061001_210833_000000422051_00386_23987_2382.N1	01-OCT-2006 21:08:33	Dark	42.000	34	Gam2Vel	1.7930	23000.	84	23987	No
97	GOM_NL__2PRFIN20061001_212302_000000382051_00387_23988_2392.N1	01-OCT-2006 21:23:02	Dark	37.500	143	Alp Hyi	2.8570	7200.0	75	23988	No
98	GOM_NL__2PRFIN20061001_212430_000000442051_00387_23988_2393.N1	01-OCT-2006 21:24:30	Dark	44.000	9	Alp Eri	0.45300	24000.	88	23988	No
99	GOM_NL__2PRFIN20061001_212951_000000412051_00387_23988_2394.N1	01-OCT-2006 21:29:51	Straylight	40.500	84	Alp Phe	2.3970	4500.0	81	23988	No
100	GOM_NL__2PRFIN20061001_214655_000000372051_00387_23988_2395.N1	01-OCT-2006 21:46:55	Bright	36.500	90	54Alp Peg	2.4870	11000.	73	23988	No
101	GOM_NL__2PRFIN20061001_215033_000000362051_00387_23988_2396.N1	01-OCT-2006 21:50:33	Bright	36.000	93	53Bet Peg	2.5200	3100.0	72	23988	No

102	GOM_NL__2PRFIN20061001_220755_000000332051_00387_23988_2397.N1	01-OCT-2006 22:07:55	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	23988	No
103	GOM_NL__2PRFIN20061001_221553_000000372051_00387_23988_2398.N1	01-OCT-2006 22:15:53	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	23988	No
104	GOM_NL__2PRFIN20061001_221723_000000352051_00387_23988_2399.N1	01-OCT-2006 22:17:23	Bright	35.000	82	48Bet UMa	2.3650	10600.	70	23988	No
105	GOM_NL__2PRFIN20061001_222716_000000362051_00387_23988_2400.N1	01-OCT-2006 22:27:16	Bright	35.500	166	17Eps Leo	2.9800	6000.0	71	23988	No
106	GOM_NL__2PRFIN20061001_223652_000000432051_00387_23988_2401.N1	01-OCT-2006 22:36:52	Twilight	43.000	48	30Alp Hya	1.9770	4100.0	86	23988	No
107	GOM_NL__2PRFIN20061001_224632_000000442051_00387_23988_2402.N1	01-OCT-2006 22:46:32	Dark	44.000	65	Lam Vel	2.2040	4400.0	88	23988	No
108	GOM_NL__2PRFIN20061001_224909_000000422051_00387_23988_2403.N1	01-OCT-2006 22:49:09	Dark	41.500	34	Gam2Vel	1.7930	23000.	83	23988	No
109	GOM_NL__2PRFIN20061001_230338_000000392051_00388_23989_2250.N1	01-OCT-2006 23:03:38	Dark	38.500	143	Alp Hyi	2.8570	7200.0	77	23989	No
110	GOM_NL__2PRFIN20061001_230506_000000492051_00388_23989_2251.N1	01-OCT-2006 23:05:06	Dark	49.000	9	Alp Eri	0.45300	24000.	98	23989	No
111	GOM_NL__2PRFIN20061001_231027_000000422051_00388_23989_2252.N1	01-OCT-2006 23:10:27	Straylight	41.500	84	Alp Phe	2.3970	4500.0	83	23989	No
112	GOM_NL__2PRFIN20061001_232731_000000372051_00388_23989_2253.N1	01-OCT-2006 23:27:31	Bright	36.500	90	54Alp Peg	2.4870	11000.	73	23989	No
113	GOM_NL__2PRFIN20061001_233109_000000392051_00388_23989_2254.N1	01-OCT-2006 23:31:09	Bright	38.500	93	53Bet Peg	2.5200	3100.0	77	23989	No
114	GOM_NL__2PRFIN20061001_234831_000000362051_00388_23989_2255.N1	01-OCT-2006 23:48:31	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	23989	No
115	GOM_NL__2PRFIN20061001_235629_000000362051_00388_23989_2256.N1	01-OCT-2006 23:56:29	Bright	35.500	36	50Alp UMa	1.8000	6300.0	71	23989	No
116	GOM_NL__2PRFIN20061001_235759_000000362051_00388_23989_2257.N1	01-OCT-2006 23:57:59	Bright	35.500	82	48Bet UMa	2.3650	10600.	71	23989	No

3. Quality information per product

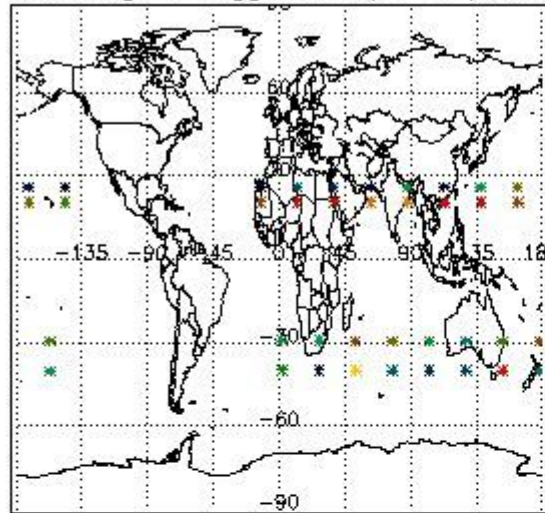
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

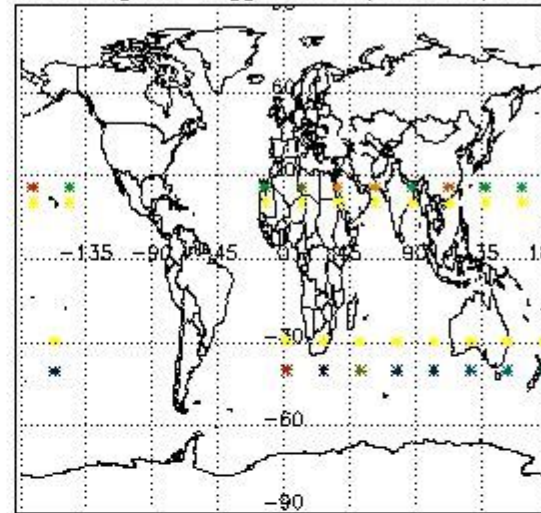


3.2 Plot quality information per product (world map)

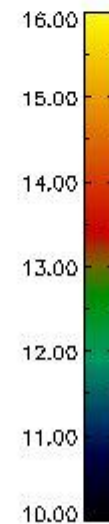
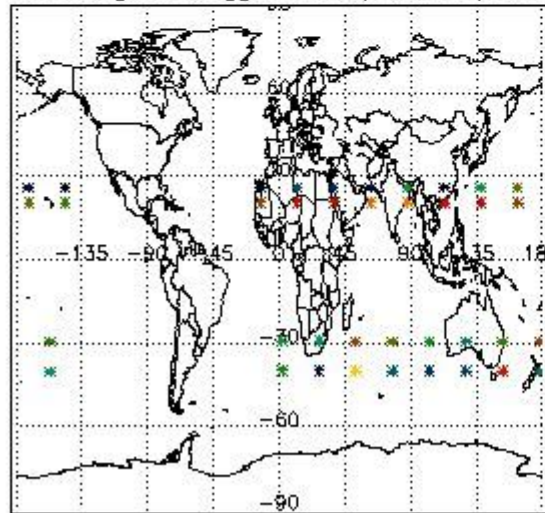
Percentage of flagged data per O3 profile



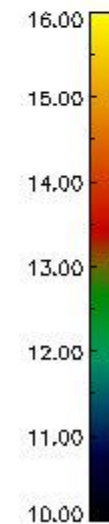
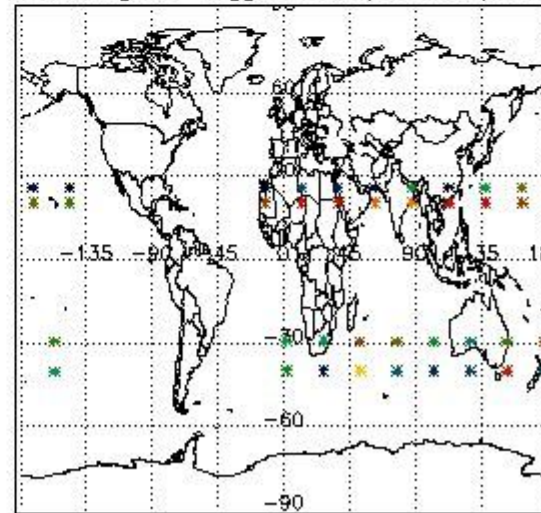
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

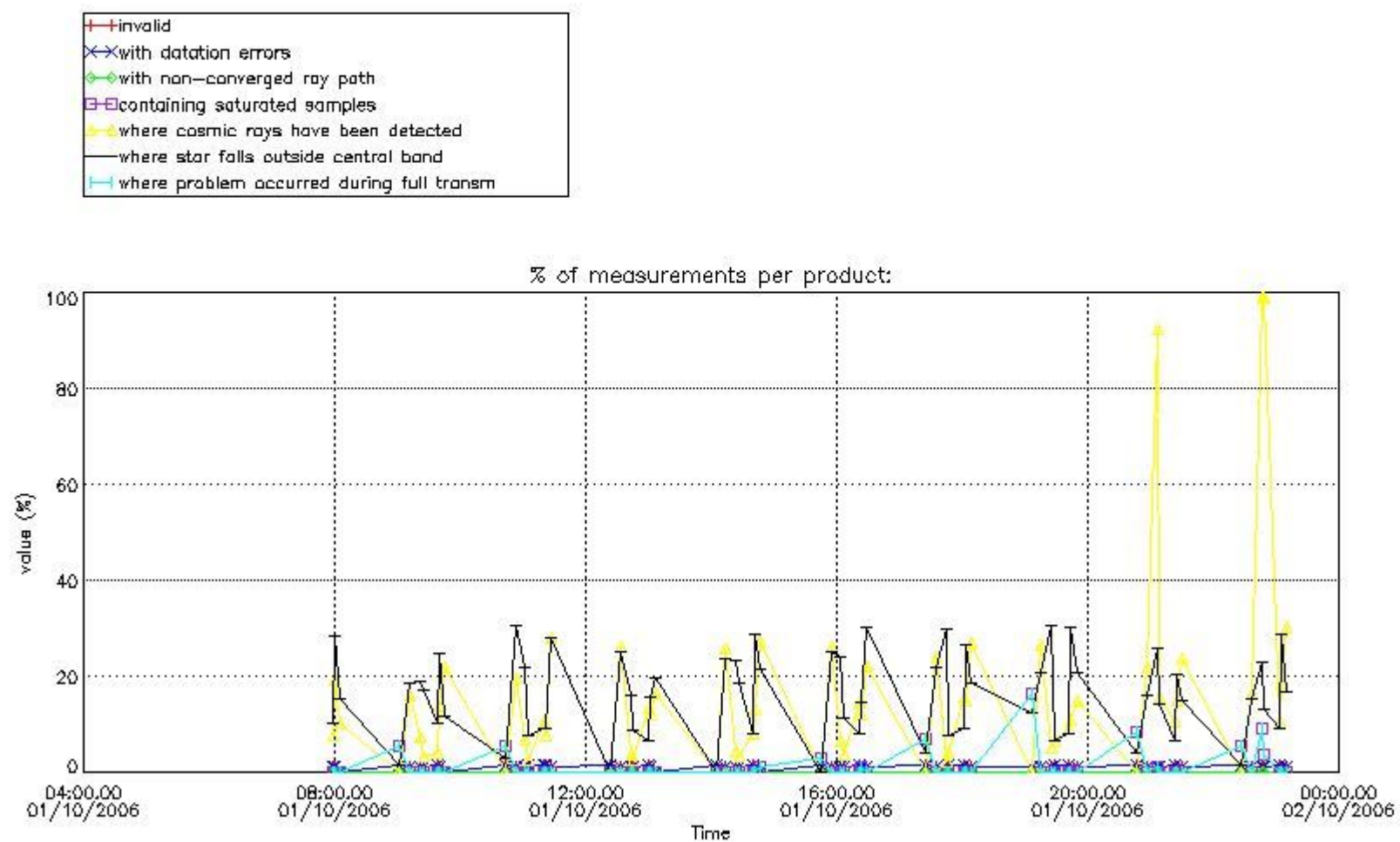


4. Level 1 quality information per product

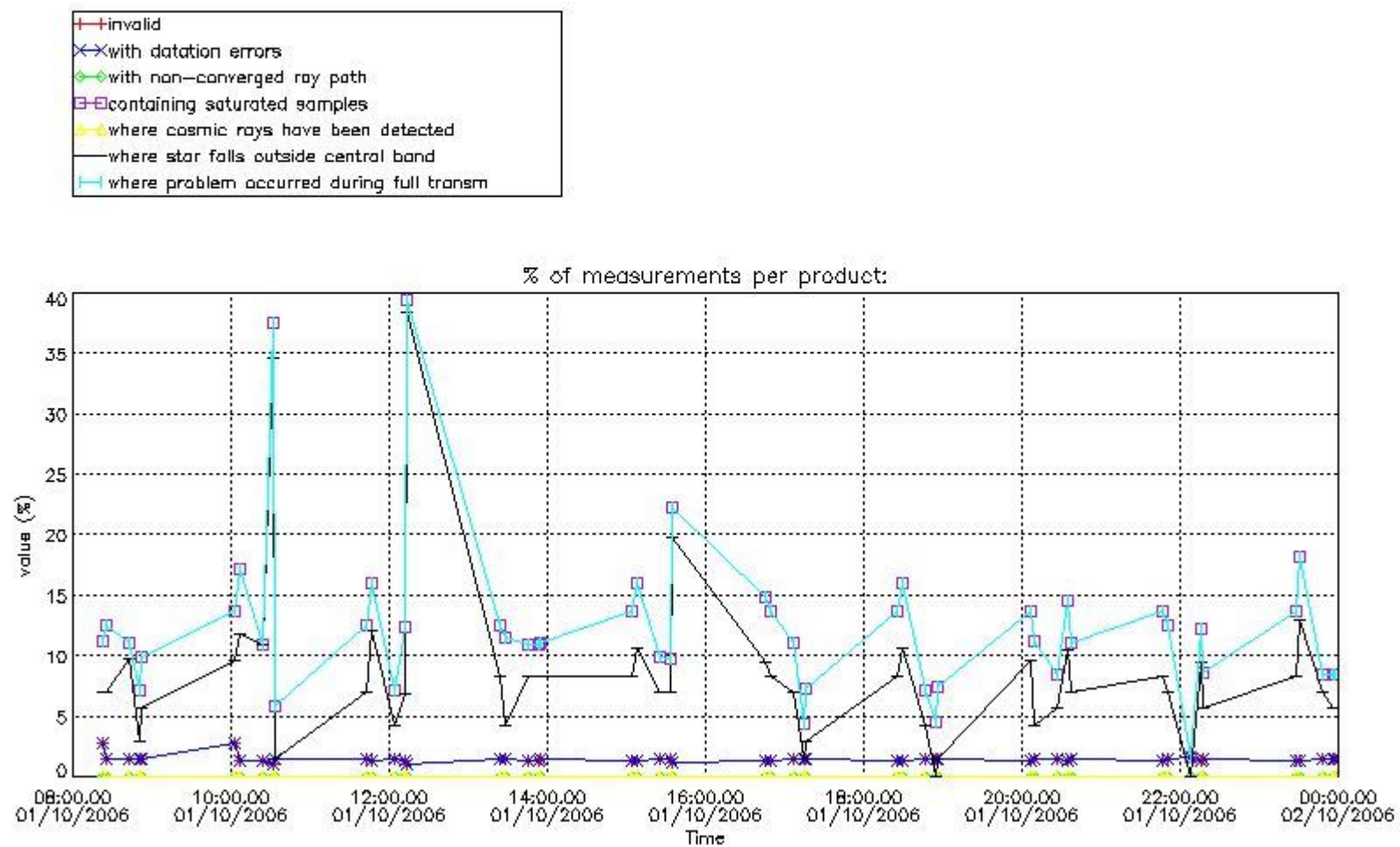
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



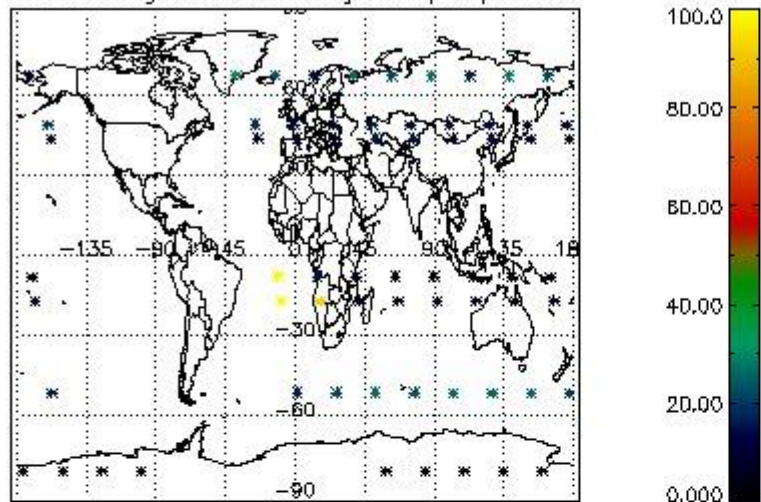
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



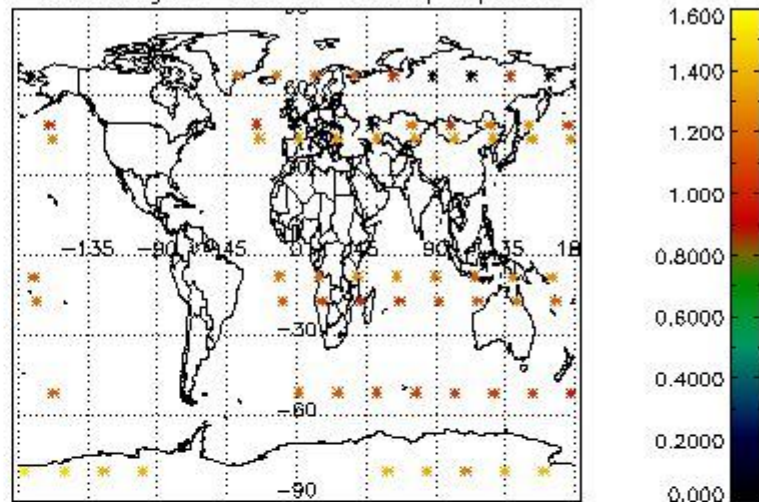
4.2 Plot quality information per product coming from level 1b processing (world map)

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

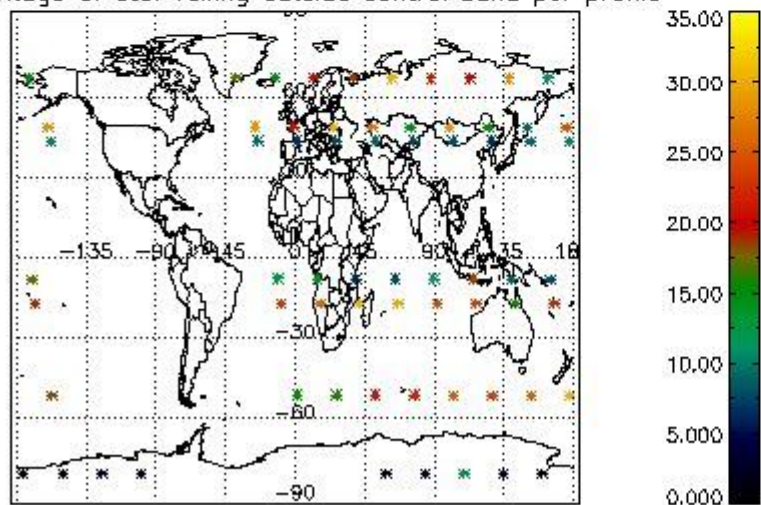
Percentage of cosmic ray hits per profile



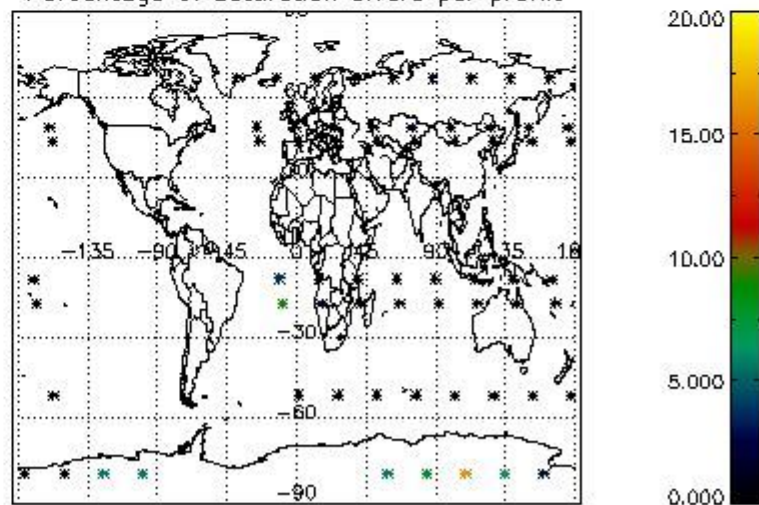
Percentage of datation errors per profile



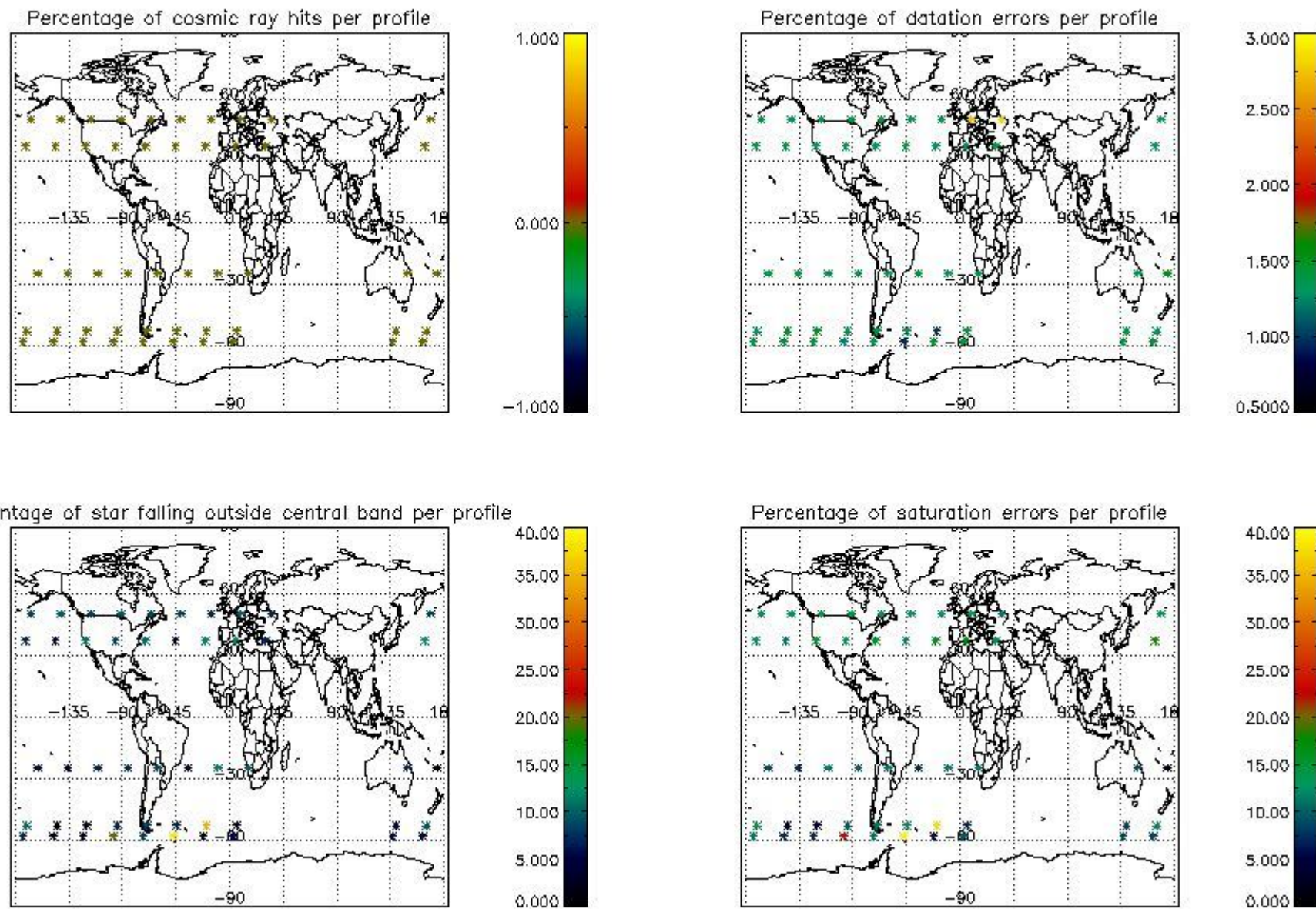
Percentage of star falling outside central band per profile



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

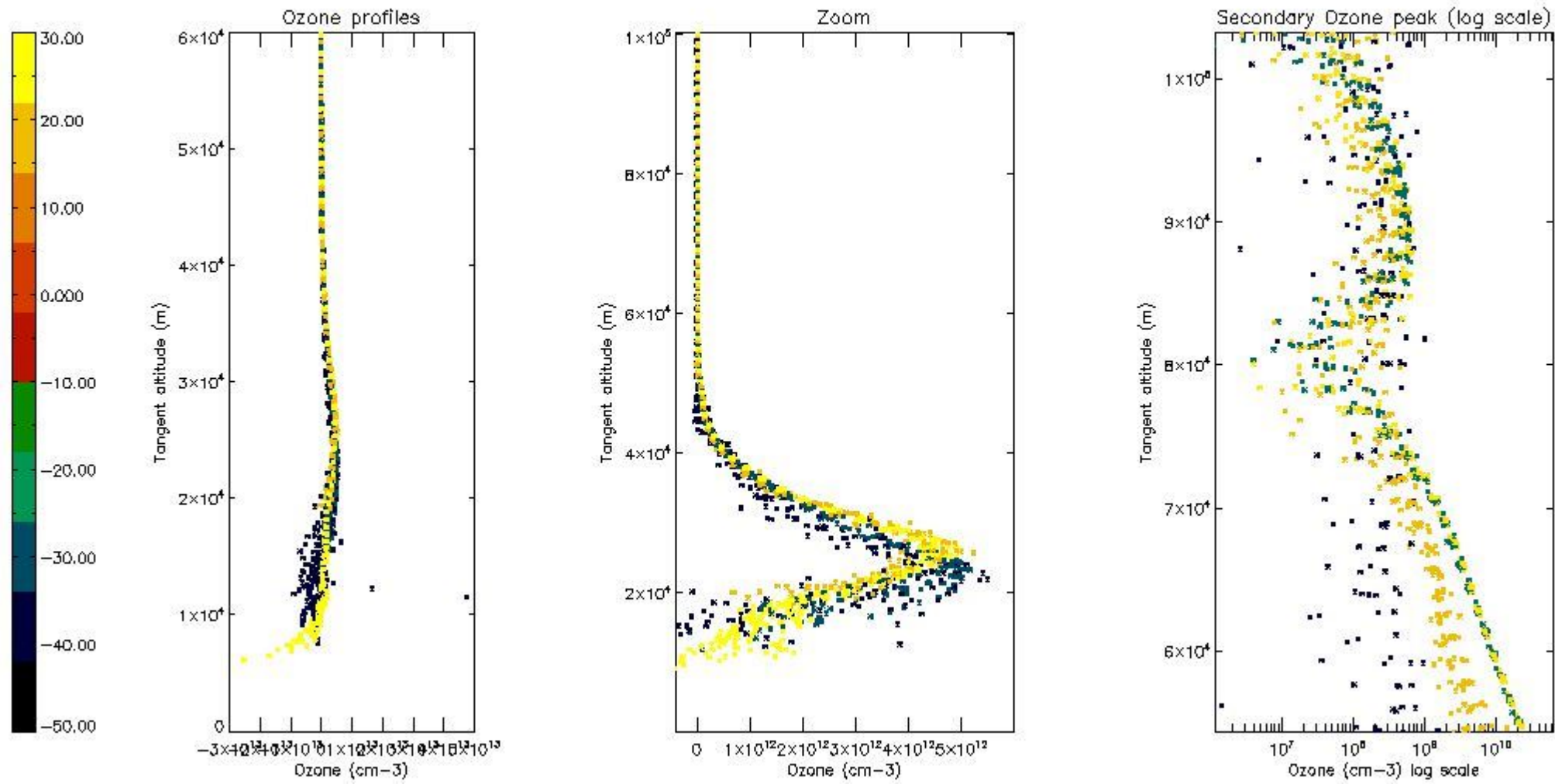
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

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

STD < 10	15
STD < 5	11

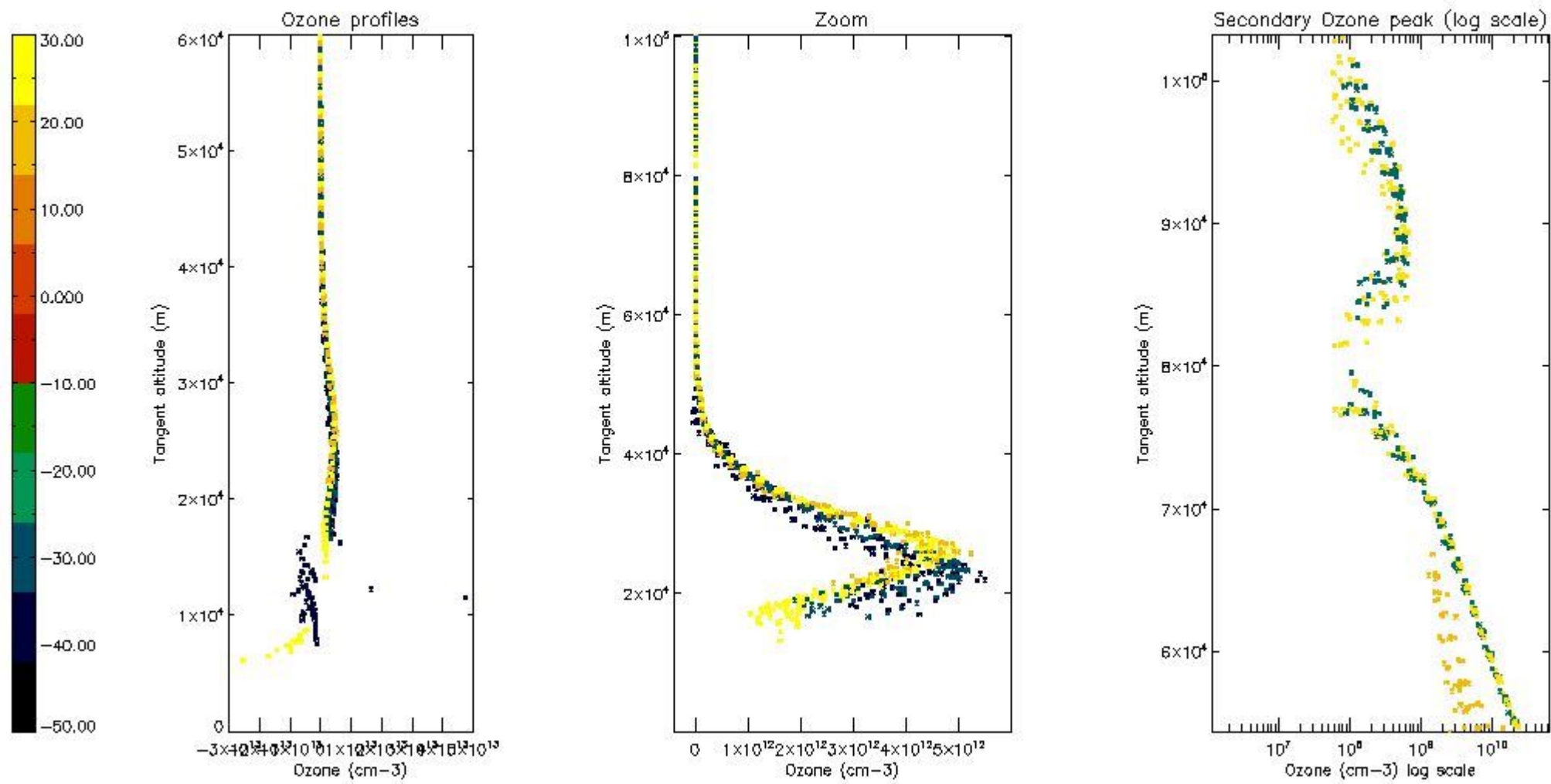
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



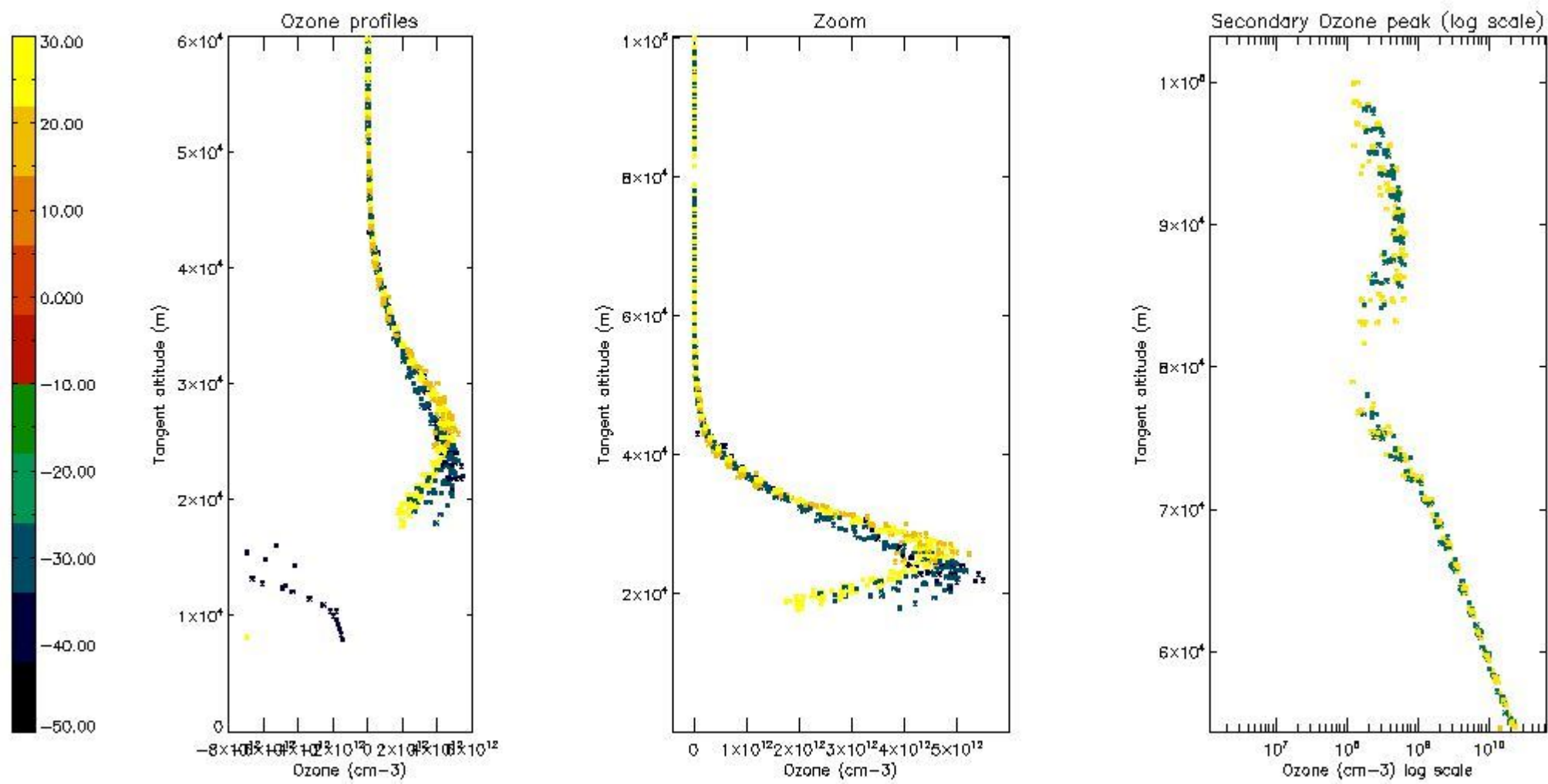
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



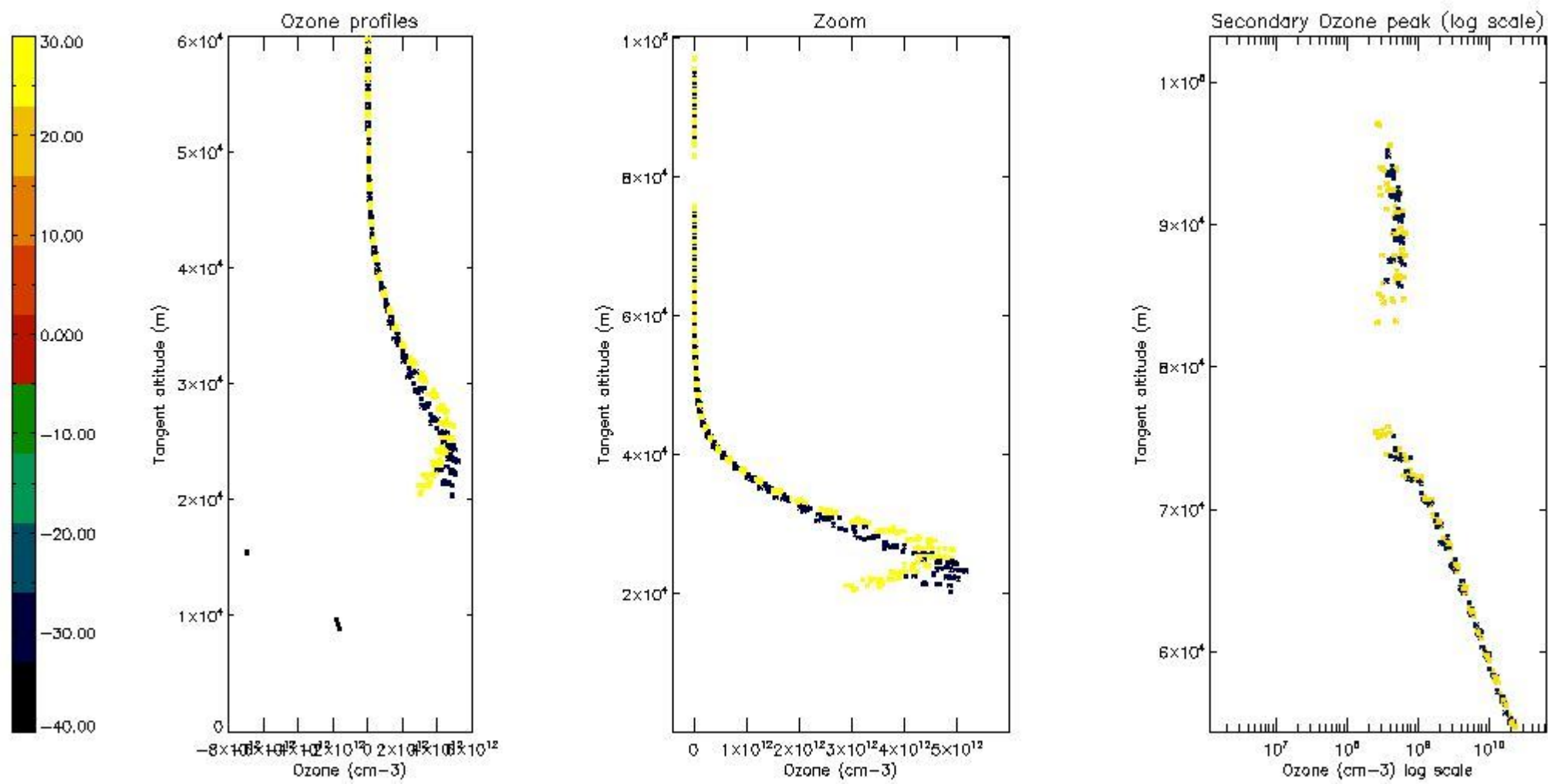
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



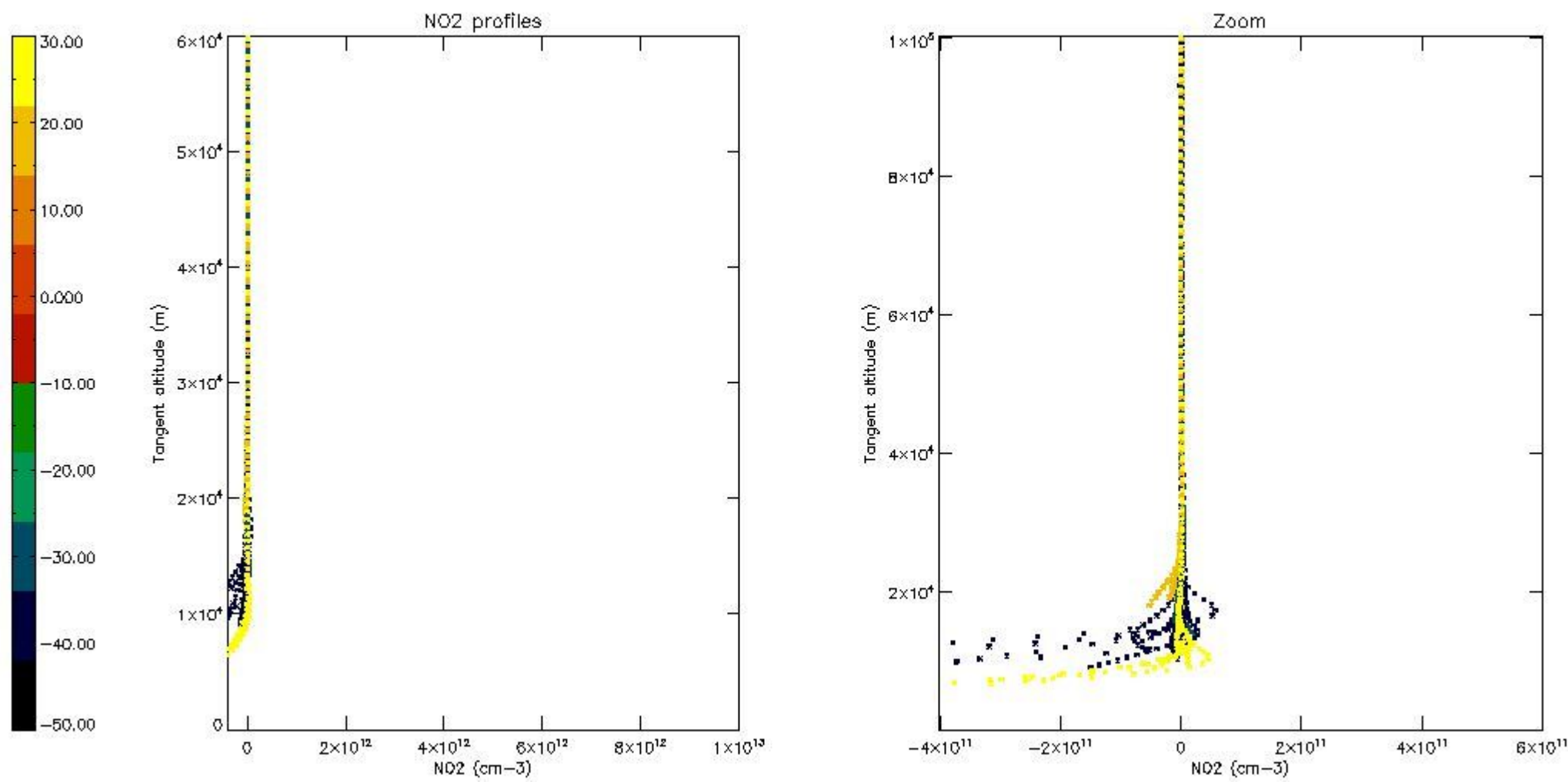
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



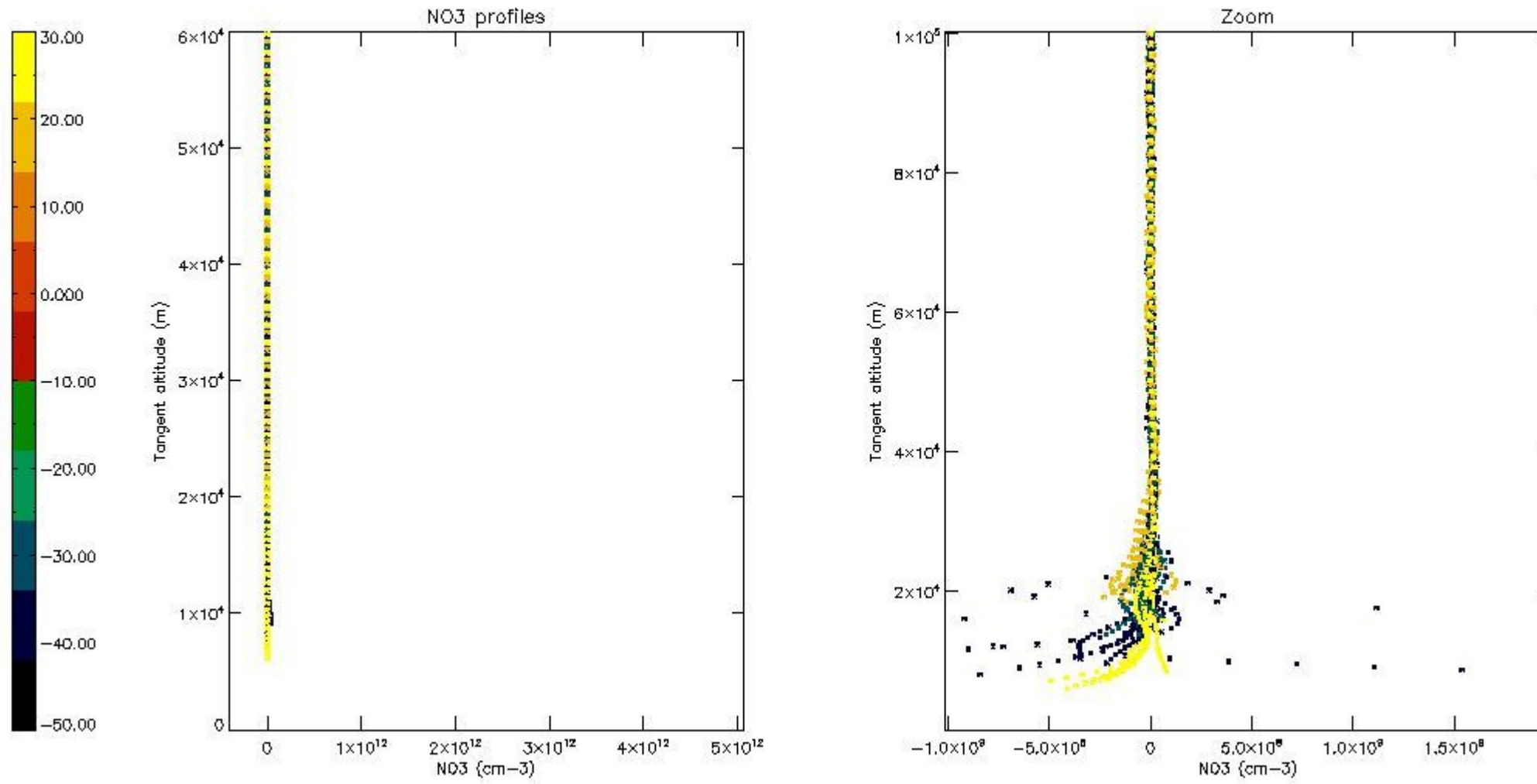
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	01-OCT-2006 07:58:11
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	01-OCT-2006 07:58:11
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	01-OCT-2006 07:58:11

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

[2. Summary of processed GOM_NL_2P products](#)

[3. Level 2 Quality information per product](#)

[3.1 Plot of level 2 quality information per product \(time dependant\)](#)

[3.2 Plot of level 2 quality information per product \(world map\)](#)

[4. Level 1 Quality information per product \(stored on level 2 products\)](#)

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

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

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

[4.2 Plot of level 1 quality information per product \(world map\)](#)

[4.2.1 Plot of level 1 quality information per product \(world map\): ASCENDING](#)

[4.2.2 Plot of level 1 quality information per product \(world map\): DESCENDING](#)

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

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

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

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

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

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

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

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

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

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

This report presents the daily analysis on parameters extracted from GOMOS level 2 data (GOM_NL__2P). It is intended to monitor some important parameters that will impact the quality of these products. A list of level 2 products (and content) that have arrived during the reporting day to the PCF is also given.

Item	Value
Time of report generation	24APR2013 04:35:49
Data source version	GOMOS/6.01
Start time of products	01-10-2006 (01OCT2006 00:00:00)
Stop time of products	02-10-2006 (02OCT2006 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__2PRFIN20061001_075811_000000402051_00379_23980_2230.N1	01-OCT-2006 07:58:11	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	23980	No
2	GOM_NL__2PRFIN20061001_075939_000000502051_00379_23980_2231.N1	01-OCT-2006 07:59:39	Dark	49.500	9	Alp Eri	0.45300	24000.	99	23980	No
3	GOM_NL__2PRFIN20061001_080501_000000402051_00379_23980_2232.N1	01-OCT-2006 08:05:01	Straylight	39.500	84	Alp Phe	2.3970	4500.0	79	23980	No
4	GOM_NL__2PRFIN20061001_082207_000000362051_00379_23980_2233.N1	01-OCT-2006 08:22:07	Bright	35.500	90	54Alp Peg	2.4870	11000.	71	23980	No
5	GOM_NL__2PRFIN20061001_082545_000000362051_00379_23980_2234.N1	01-OCT-2006 08:25:45	Bright	36.000	93	53Bet Peg	2.5200	3100.0	72	23980	No
6	GOM_NL__2PRFIN20061001_084307_000000362051_00379_23980_2235.N1	01-OCT-2006 08:43:07	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	23980	No
7	GOM_NL__2PRFIN20061001_085104_000000352051_00379_23980_2236.N1	01-OCT-2006 08:51:04	Bright	35.000	36	50Alp UMa	1.8000	6300.0	70	23980	No
8	GOM_NL__2PRFIN20061001_085234_000000362051_00379_23980_2237.N1	01-OCT-2006 08:52:34	Bright	35.500	82	48Bet UMa	2.3650	10600.	71	23980	No
9	GOM_NL__2PRFIN20061001_090227_000000362051_00379_23980_2238.N1	01-OCT-2006 09:02:27	Bright	35.500	166	17Eps Leo	2.9800	6000.0	71	23980	No
10	GOM_NL__2PRFIN20061001_091201_000000442051_00379_23980_2239.N1	01-OCT-2006 09:12:01	Twilight	43.500	48	30Alp Hya	1.9770	4100.0	87	23980	No
11	GOM_NL__2PRFIN20061001_092142_000000422051_00379_23980_2240.N1	01-OCT-2006 09:21:42	Dark	42.000	65	Lam Vel	2.2040	4400.0	84	23980	No
12	GOM_NL__2PRFIN20061001_092418_000000442051_00379_23980_2241.N1	01-OCT-2006 09:24:18	Dark	43.500	34	Gam2Vel	1.7930	23000.	87	23980	No
13	GOM_NL__2PRFIN20061001_093848_000000392051_00380_23981_2365.N1	01-OCT-2006 09:38:48	Dark	39.000	143	Alp Hyi	2.8570	7200.0	78	23981	No
14	GOM_NL__2PRFIN20061001_094016_000000472051_00380_23981_2366.N1	01-OCT-2006 09:40:16	Dark	46.500	9	Alp Eri	0.45300	24000.	93	23981	No
15	GOM_NL__2PRFIN20061001_094537_000000392051_00380_23981_2367.N1	01-OCT-2006 09:45:37	Straylight	39.000	84	Alp Phe	2.3970	4500.0	78	23981	No
16	GOM_NL__2PRFIN20061001_100243_000000372051_00380_23981_2368.N1	01-OCT-2006 10:02:43	Bright	36.500	90	54Alp Peg	2.4870	11000.	73	23981	No
17	GOM_NL__2PRFIN20061001_100621_000000382051_00380_23981_2369.N1	01-OCT-2006 10:06:21	Bright	38.000	93	53Bet Peg	2.5200	3100.0	76	23981	No
18	GOM_NL__2PRFIN20061001_102343_000000372051_00380_23981_2370.N1	01-OCT-2006 10:23:43	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	23981	No
19	GOM_NL__2PRFIN20061001_103140_000000522051_00380_23981_2371.N1	01-OCT-2006 10:31:40	Bright	52.000	36	50Alp UMa	1.8000	6300.0	104	23981	No
20	GOM_NL__2PRFIN20061001_103311_000000342051_00380_23981_2372.N1	01-OCT-2006 10:33:11	Bright	34.000	82	48Bet UMa	2.3650	10600.	68	23981	No
21	GOM_NL__2PRFIN20061001_104303_000000362051_00380_23981_2373.N1	01-OCT-2006 10:43:03	Bright	36.000	166	17Eps Leo	2.9800	6000.0	72	23981	No
22	GOM_NL__2PRFIN20061001_105237_000000512051_00380_23981_2374.N1	01-OCT-2006 10:52:37	Twilight	51.000	48	30Alp Hya	1.9770	4100.0	102	23981	No
23	GOM_NL__2PRFIN20061001_110218_000000442051_00380_23981_2375.N1	01-OCT-2006 11:02:18	Dark	43.500	65	Lam Vel	2.2040	4400.0	87	23981	No
24	GOM_NL__2PRFIN20061001_110454_000000392051_00380_23981_2376.N1	01-OCT-2006 11:04:54	Dark	38.500	34	Gam2Vel	1.7930	23000.	77	23981	No
25	GOM_NL__2PRFIN20061001_111924_000000392051_00381_23982_2366.N1	01-OCT-2006 11:19:24	Dark	38.500	143	Alp Hyi	2.8570	7200.0	77	23982	No
26	GOM_NL__2PRFIN20061001_112052_000000392051_00381_23982_2367.N1	01-OCT-2006 11:20:52	Dark	39.000	9	Alp Eri	0.45300	24000.	78	23982	No
27	GOM_NL__2PRFIN20061001_112613_000000482051_00381_23982_2368.N1	01-OCT-2006 11:26:13	Straylight	48.000	84	Alp Phe	2.3970	4500.0	96	23982	No
28	GOM_NL__2PRFIN20061001_114319_000000362051_00381_23982_2369.N1	01-OCT-2006 11:43:19	Bright	36.000	90	54Alp Peg	2.4870	11000.	72	23982	No
29	GOM_NL__2PRFIN20061001_114657_000000382051_00381_23982_2370.N1	01-OCT-2006 11:46:57	Bright	37.500	93	53Bet Peg	2.5200	3100.0	75	23982	No
30	GOM_NL__2PRFIN20061001_120419_000000352051_00381_23982_2371.N1	01-OCT-2006 12:04:19	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	23982	No
31	GOM_NL__2PRFIN20061001_121216_000000372051_00381_23982_2372.N1	01-OCT-2006 12:12:16	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	23982	No
32	GOM_NL__2PRFIN20061001_121347_000000522051_00381_23982_2373.N1	01-OCT-2006 12:13:47	Bright	52.000	82	48Bet UMa	2.3650	10600.	104	23982	No
33	GOM_NL__2PRFIN20061001_122339_000000342051_00381_23982_2374.N1	01-OCT-2006 12:23:39	Bright	33.500	166	17Eps Leo	2.9800	6000.0	67	23982	No
34	GOM_NL__2PRFIN20061001_123314_000000482051_00381_23982_2375.N1	01-OCT-2006 12:33:14	Twilight	47.500	48	30Alp Hya	1.9770	4100.0	95	23982	No
35	GOM_NL__2PRFIN20061001_124254_000000412051_00381_23982_2376.N1	01-OCT-2006 12:42:54	Dark	41.000	65	Lam Vel	2.2040	4400.0	82	23982	No
36	GOM_NL__2PRFIN20061001_124530_000000402051_00381_23982_2377.N1	01-OCT-2006 12:45:30	Dark	39.500	34	Gam2Vel	1.7930	23000.	79	23982	No
37	GOM_NL__2PRFIN20061001_130001_000000382051_00382_23983_2367.N1	01-OCT-2006 13:00:01	Dark	37.500	143	Alp Hyi	2.8570	7200.0	75	23983	No
38	GOM_NL__2PRFIN20061001_130128_000000422051_00382_23983_2368.N1	01-OCT-2006 13:01:28	Dark	41.500	9	Alp Eri	0.45300	24000.	83	23983	No
39	GOM_NL__2PRFIN20061001_130649_000000432051_00382_23983_2369.N1	01-OCT-2006 13:06:49	Straylight	43.000	84	Alp Phe	2.3970	4500.0	86	23983	No
40	GOM_NL__2PRFIN20061001_132355_000000362051_00382_23983_2370.N1	01-OCT-2006 13:23:55	Bright	36.000	90	54Alp Peg	2.4870	11000.	72	23983	No
41	GOM_NL__2PRFIN20061001_132733_000000352051_00382_23983_2371.N1	01-OCT-2006 13:27:33	Bright	35.000	93	53Bet Peg	2.5200	3100.0	70	23983	No
42	GOM_NL__2PRFIN20061001_134455_000000372051_00382_23983_2372.N1	01-OCT-2006 13:44:55	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	23983	No

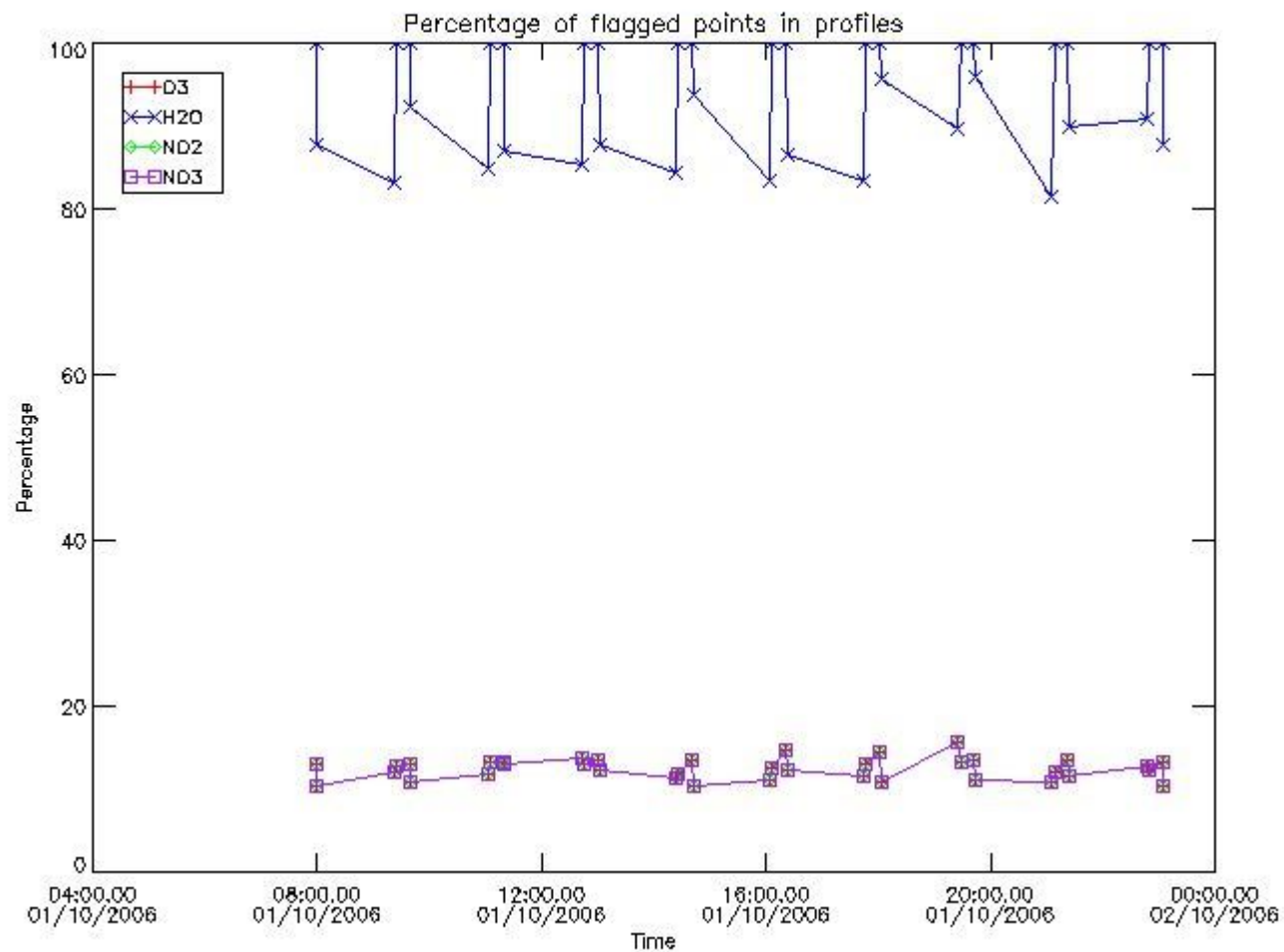
43	GOM_NL__2PRFIN20061001_135252_000000372051_00382_23983_2373.N1	01-OCT-2006 13:52:52	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	23983	No
44	GOM_NL__2PRFIN20061001_135423_000000362051_00382_23983_2374.N1	01-OCT-2006 13:54:23	Bright	36.000	82	48Bet UMa	2.3650	10600.	72	23983	No
45	GOM_NL__2PRFIN20061001_140415_000000332051_00382_23983_2375.N1	01-OCT-2006 14:04:15	Bright	32.500	166	17Eps Leo	2.9800	6000.0	65	23983	No
46	GOM_NL__2PRFIN20061001_141350_000000472051_00382_23983_2376.N1	01-OCT-2006 14:13:50	Twilight	46.500	48	30Alp Hya	1.9770	4100.0	93	23983	No
47	GOM_NL__2PRFIN20061001_142331_000000452051_00382_23983_2377.N1	01-OCT-2006 14:23:31	Dark	45.000	65	Lam Vel	2.2040	4400.0	90	23983	No
48	GOM_NL__2PRFIN20061001_142607_000000442051_00382_23983_2378.N1	01-OCT-2006 14:26:07	Dark	43.500	34	Gam2Vel	1.7930	23000.	87	23983	No
49	GOM_NL__2PRFIN20061001_144037_000000382051_00383_23984_2368.N1	01-OCT-2006 14:40:37	Dark	37.500	143	Alp Hyi	2.8570	7200.0	75	23984	No
50	GOM_NL__2PRFIN20061001_144205_000000492051_00383_23984_2369.N1	01-OCT-2006 14:42:05	Dark	49.000	9	Alp Eri	0.45300	24000.	98	23984	No
51	GOM_NL__2PRFIN20061001_144726_000000442051_00383_23984_2370.N1	01-OCT-2006 14:47:26	Straylight	44.000	84	Alp Phe	2.3970	4500.0	88	23984	No
52	GOM_NL__2PRFIN20061001_150431_000000372051_00383_23984_2371.N1	01-OCT-2006 15:04:31	Bright	36.500	90	54Alp Peg	2.4870	11000.	73	23984	No
53	GOM_NL__2PRFIN20061001_150809_000000382051_00383_23984_2372.N1	01-OCT-2006 15:08:09	Bright	37.500	93	53Bet Peg	2.5200	3100.0	75	23984	No
54	GOM_NL__2PRFIN20061001_152531_000000362051_00383_23984_2373.N1	01-OCT-2006 15:25:31	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	23984	No
55	GOM_NL__2PRFIN20061001_153329_000000362051_00383_23984_2374.N1	01-OCT-2006 15:33:29	Bright	36.000	36	50Alp UMa	1.8000	6300.0	72	23984	No
56	GOM_NL__2PRFIN20061001_153459_000000412051_00383_23984_2375.N1	01-OCT-2006 15:34:59	Bright	40.500	82	48Bet UMa	2.3650	10600.	81	23984	No
57	GOM_NL__2PRFIN20061001_154451_000000352051_00383_23984_2376.N1	01-OCT-2006 15:44:51	Bright	35.000	166	17Eps Leo	2.9800	6000.0	70	23984	No
58	GOM_NL__2PRFIN20061001_155426_000000482051_00383_23984_2377.N1	01-OCT-2006 15:54:26	Twilight	47.500	48	30Alp Hya	1.9770	4100.0	95	23984	No
59	GOM_NL__2PRFIN20061001_160407_000000462051_00383_23984_2378.N1	01-OCT-2006 16:04:07	Dark	45.500	65	Lam Vel	2.2040	4400.0	91	23984	No
60	GOM_NL__2PRFIN20061001_160644_000000412051_00383_23984_2379.N1	01-OCT-2006 16:06:44	Dark	40.500	34	Gam2Vel	1.7930	23000.	81	23984	No
61	GOM_NL__2PRFIN20061001_162113_000000382051_00384_23985_2369.N1	01-OCT-2006 16:21:13	Dark	38.000	143	Alp Hyi	2.8570	7200.0	76	23985	No
62	GOM_NL__2PRFIN20061001_162241_000000422051_00384_23985_2370.N1	01-OCT-2006 16:22:41	Dark	41.500	9	Alp Eri	0.45300	24000.	83	23985	No
63	GOM_NL__2PRFIN20061001_162802_000000502051_00384_23985_2371.N1	01-OCT-2006 16:28:02	Straylight	49.500	84	Alp Phe	2.3970	4500.0	99	23985	No
64	GOM_NL__2PRFIN20061001_164507_000000372051_00384_23985_2372.N1	01-OCT-2006 16:45:07	Bright	37.000	90	54Alp Peg	2.4870	11000.	74	23985	No
65	GOM_NL__2PRFIN20061001_164845_000000372051_00384_23985_2373.N1	01-OCT-2006 16:48:45	Bright	36.500	93	53Bet Peg	2.5200	3100.0	73	23985	No
66	GOM_NL__2PRFIN20061001_170607_000000362051_00384_23985_2374.N1	01-OCT-2006 17:06:07	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	23985	No
67	GOM_NL__2PRFIN20061001_171405_000000342051_00384_23985_2375.N1	01-OCT-2006 17:14:05	Bright	34.000	36	50Alp UMa	1.8000	6300.0	68	23985	No
68	GOM_NL__2PRFIN20061001_171535_000000352051_00384_23985_2376.N1	01-OCT-2006 17:15:35	Bright	34.500	82	48Bet UMa	2.3650	10600.	69	23985	No
69	GOM_NL__2PRFIN20061001_172528_000000362051_00384_23985_2377.N1	01-OCT-2006 17:25:28	Bright	36.000	166	17Eps Leo	2.9800	6000.0	72	23985	No
70	GOM_NL__2PRFIN20061001_173503_000000462051_00384_23985_2378.N1	01-OCT-2006 17:35:03	Twilight	46.000	48	30Alp Hya	1.9770	4100.0	92	23985	No
71	GOM_NL__2PRFIN20061001_174443_000000492051_00384_23985_2379.N1	01-OCT-2006 17:44:43	Dark	48.500	65	Lam Vel	2.2040	4400.0	97	23985	No
72	GOM_NL__2PRFIN20061001_174720_000000392051_00384_23985_2380.N1	01-OCT-2006 17:47:20	Dark	39.000	34	Gam2Vel	1.7930	23000.	78	23985	No
73	GOM_NL__2PRFIN20061001_180150_000000392051_00385_23986_2371.N1	01-OCT-2006 18:01:50	Dark	38.500	143	Alp Hyi	2.8570	7200.0	77	23986	No
74	GOM_NL__2PRFIN20061001_180317_000000472051_00385_23986_2372.N1	01-OCT-2006 18:03:17	Dark	47.000	9	Alp Eri	0.45300	24000.	94	23986	No
75	GOM_NL__2PRFIN20061001_180838_000000432051_00385_23986_2373.N1	01-OCT-2006 18:08:38	Straylight	43.000	84	Alp Phe	2.3970	4500.0	86	23986	No
76	GOM_NL__2PRFIN20061001_182543_000000372051_00385_23986_2374.N1	01-OCT-2006 18:25:43	Bright	36.500	90	54Alp Peg	2.4870	11000.	73	23986	No
77	GOM_NL__2PRFIN20061001_182921_000000382051_00385_23986_2375.N1	01-OCT-2006 18:29:21	Bright	37.500	93	53Bet Peg	2.5200	3100.0	75	23986	No
78	GOM_NL__2PRFIN20061001_184643_000000352051_00385_23986_2376.N1	01-OCT-2006 18:46:43	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	23986	No
79	GOM_NL__2PRFIN20061001_185441_000000342051_00385_23986_2377.N1	01-OCT-2006 18:54:41	Bright	33.500	36	50Alp UMa	1.8000	6300.0	67	23986	No
80	GOM_NL__2PRFIN20061001_185611_000000342051_00385_23986_2378.N1	01-OCT-2006 18:56:11	Bright	34.000	82	48Bet UMa	2.3650	10600.	68	23986	No
81	GOM_NL__2PRFIN20061001_190604_000000402051_00385_23986_2379.N1	01-OCT-2006 19:06:04	Bright	40.000	166	17Eps Leo	2.9800	6000.0	80	23986	No
82	GOM_NL__2PRFIN20061001_191539_000000462051_00385_23986_2380.N1	01-OCT-2006 19:15:39	Twilight	45.500	48	30Alp Hya	1.9770	4100.0	91	23986	No
83	GOM_NL__2PRFIN20061001_192520_000000492051_00385_23986_2381.N1	01-OCT-2006 19:25:20	Dark	49.000	65	Lam Vel	2.2040	4400.0	98	23986	No
84	GOM_NL__2PRFIN20061001_192757_000000392051_00385_23986_2382.N1	01-OCT-2006 19:27:57	Dark	38.500	34	Gam2Vel	1.7930	23000.	77	23986	No
85	GOM_NL__2PRFIN20061001_194226_000000382051_00386_23987_2371.N1	01-OCT-2006 19:42:26	Dark	38.000	143	Alp Hyi	2.8570	7200.0	76	23987	No
86	GOM_NL__2PRFIN20061001_194354_000000502051_00386_23987_2372.N1	01-OCT-2006 19:43:54	Dark	50.000	9	Alp Eri	0.45300	24000.	100	23987	No
87	GOM_NL__2PRFIN20061001_194914_000000442051_00386_23987_2373.N1	01-OCT-2006 19:49:14	Straylight	43.500	84	Alp Phe	2.3970	4500.0	87	23987	No
88	GOM_NL__2PRFIN20061001_200619_000000372051_00386_23987_2374.N1	01-OCT-2006 20:06:19	Bright	36.500	90	54Alp Peg	2.4870	11000.	73	23987	No
89	GOM_NL__2PRFIN20061001_200957_000000362051_00386_23987_2375.N1	01-OCT-2006 20:09:57	Bright	35.500	93	53Bet Peg	2.5200	3100.0	71	23987	No
90	GOM_NL__2PRFIN20061001_202719_000000362051_00386_23987_2376.N1	01-OCT-2006 20:27:19	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	23987	No
91	GOM_NL__2PRFIN20061001_203517_000000382051_00386_23987_2377.N1	01-OCT-2006 20:35:17	Bright	38.000	36	50Alp UMa	1.8000	6300.0	76	23987	No
92	GOM_NL__2PRFIN20061001_203647_000000362051_00386_23987_2378.N1	01-OCT-2006 20:36:47	Bright	36.000	82	48Bet UMa	2.3650	10600.	72	23987	No
93	GOM_NL__2PRFIN20061001_204640_000000372051_00386_23987_2379.N1	01-OCT-2006 20:46:40	Bright	36.500	166	17Eps Leo	2.9800	6000.0	73	23987	No
94	GOM_NL__2PRFIN20061001_205615_000000442051_00386_23987_2380.N1	01-OCT-2006 20:56:15	Twilight	43.500	48	30Alp Hya	1.9770	4100.0	87	23987	No
95	GOM_NL__2PRFIN20061001_210556_000000472051_00386_23987_2381.N1	01-OCT-2006 21:05:56	Dark	46.500	65	Lam Vel	2.2040	4400.0	93	23987	No
96	GOM_NL__2PRFIN20061001_210833_000000422051_00386_23987_2382.N1	01-OCT-2006 21:08:33	Dark	42.000	34	Gam2Vel	1.7930	23000.	84	23987	No
97	GOM_NL__2PRFIN20061001_212302_000000382051_00387_23988_2392.N1	01-OCT-2006 21:23:02	Dark	37.500	143	Alp Hyi	2.8570	7200.0	75	23988	No
98	GOM_NL__2PRFIN20061001_212430_000000442051_00387_23988_2393.N1	01-OCT-2006 21:24:30	Dark	44.000	9	Alp Eri	0.45300	24000.	88	23988	No
99	GOM_NL__2PRFIN20061001_212951_000000412051_00387_23988_2394.N1	01-OCT-2006 21:29:51	Straylight	40.500	84	Alp Phe	2.3970	4500.0	81	23988	No
100	GOM_NL__2PRFIN20061001_214655_000000372051_00387_23988_2395.N1	01-OCT-2006 21:46:55	Bright	36.500	90	54Alp Peg	2.4870	11000.	73	23988	No
101	GOM_NL__2PRFIN20061001_215033_000000362051_00387_23988_2396.N1	01-OCT-2006 21:50:33	Bright	36.000	93	53Bet Peg	2.5200	3100.0	72	23988	No

102	GOM_NL__2PRFIN20061001_220755_000000332051_00387_23988_2397.N1	01-OCT-2006 22:07:55	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	23988	No
103	GOM_NL__2PRFIN20061001_221553_000000372051_00387_23988_2398.N1	01-OCT-2006 22:15:53	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	23988	No
104	GOM_NL__2PRFIN20061001_221723_000000352051_00387_23988_2399.N1	01-OCT-2006 22:17:23	Bright	35.000	82	48Bet UMa	2.3650	10600.	70	23988	No
105	GOM_NL__2PRFIN20061001_222716_000000362051_00387_23988_2400.N1	01-OCT-2006 22:27:16	Bright	35.500	166	17Eps Leo	2.9800	6000.0	71	23988	No
106	GOM_NL__2PRFIN20061001_223652_000000432051_00387_23988_2401.N1	01-OCT-2006 22:36:52	Twilight	43.000	48	30Alp Hya	1.9770	4100.0	86	23988	No
107	GOM_NL__2PRFIN20061001_224632_000000442051_00387_23988_2402.N1	01-OCT-2006 22:46:32	Dark	44.000	65	Lam Vel	2.2040	4400.0	88	23988	No
108	GOM_NL__2PRFIN20061001_224909_000000422051_00387_23988_2403.N1	01-OCT-2006 22:49:09	Dark	41.500	34	Gam2Vel	1.7930	23000.	83	23988	No
109	GOM_NL__2PRFIN20061001_230338_000000392051_00388_23989_2250.N1	01-OCT-2006 23:03:38	Dark	38.500	143	Alp Hyi	2.8570	7200.0	77	23989	No
110	GOM_NL__2PRFIN20061001_230506_000000492051_00388_23989_2251.N1	01-OCT-2006 23:05:06	Dark	49.000	9	Alp Eri	0.45300	24000.	98	23989	No
111	GOM_NL__2PRFIN20061001_231027_000000422051_00388_23989_2252.N1	01-OCT-2006 23:10:27	Straylight	41.500	84	Alp Phe	2.3970	4500.0	83	23989	No
112	GOM_NL__2PRFIN20061001_232731_000000372051_00388_23989_2253.N1	01-OCT-2006 23:27:31	Bright	36.500	90	54Alp Peg	2.4870	11000.	73	23989	No
113	GOM_NL__2PRFIN20061001_233109_000000392051_00388_23989_2254.N1	01-OCT-2006 23:31:09	Bright	38.500	93	53Bet Peg	2.5200	3100.0	77	23989	No
114	GOM_NL__2PRFIN20061001_234831_000000362051_00388_23989_2255.N1	01-OCT-2006 23:48:31	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	23989	No
115	GOM_NL__2PRFIN20061001_235629_000000362051_00388_23989_2256.N1	01-OCT-2006 23:56:29	Bright	35.500	36	50Alp UMa	1.8000	6300.0	71	23989	No
116	GOM_NL__2PRFIN20061001_235759_000000362051_00388_23989_2257.N1	01-OCT-2006 23:57:59	Bright	35.500	82	48Bet UMa	2.3650	10600.	71	23989	No

3. Quality information per product

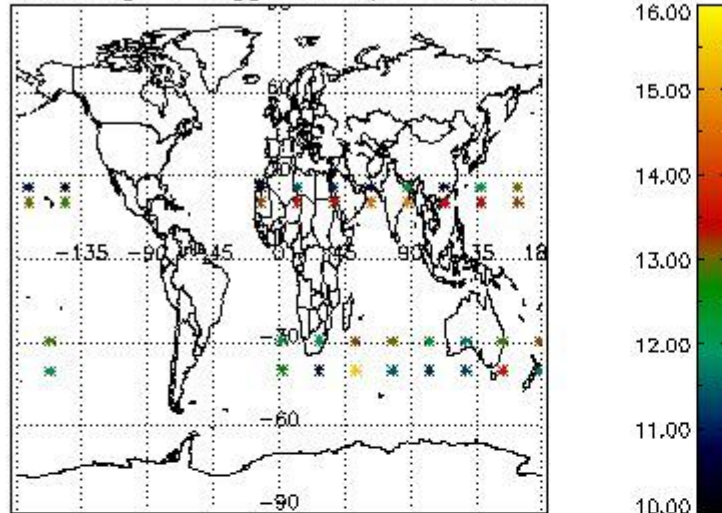
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

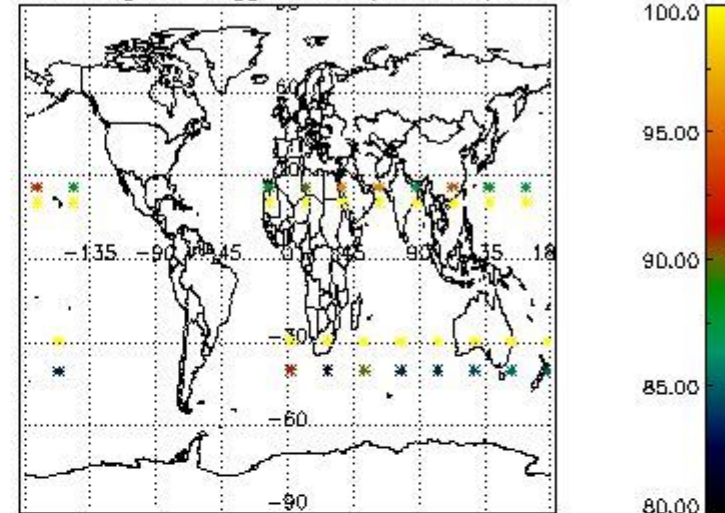


3.2 Plot quality information per product (world map)

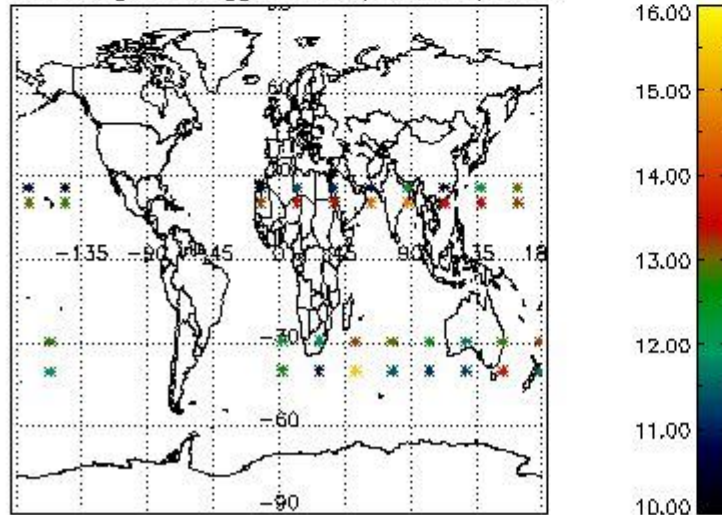
Percentage of flagged data per O3 profile



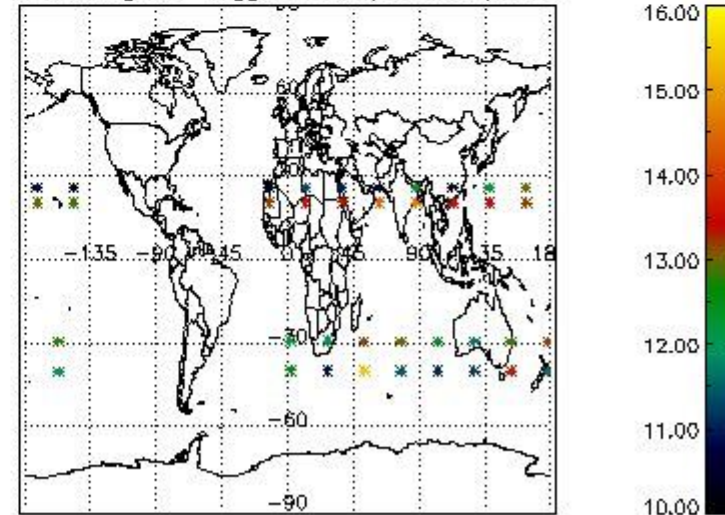
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

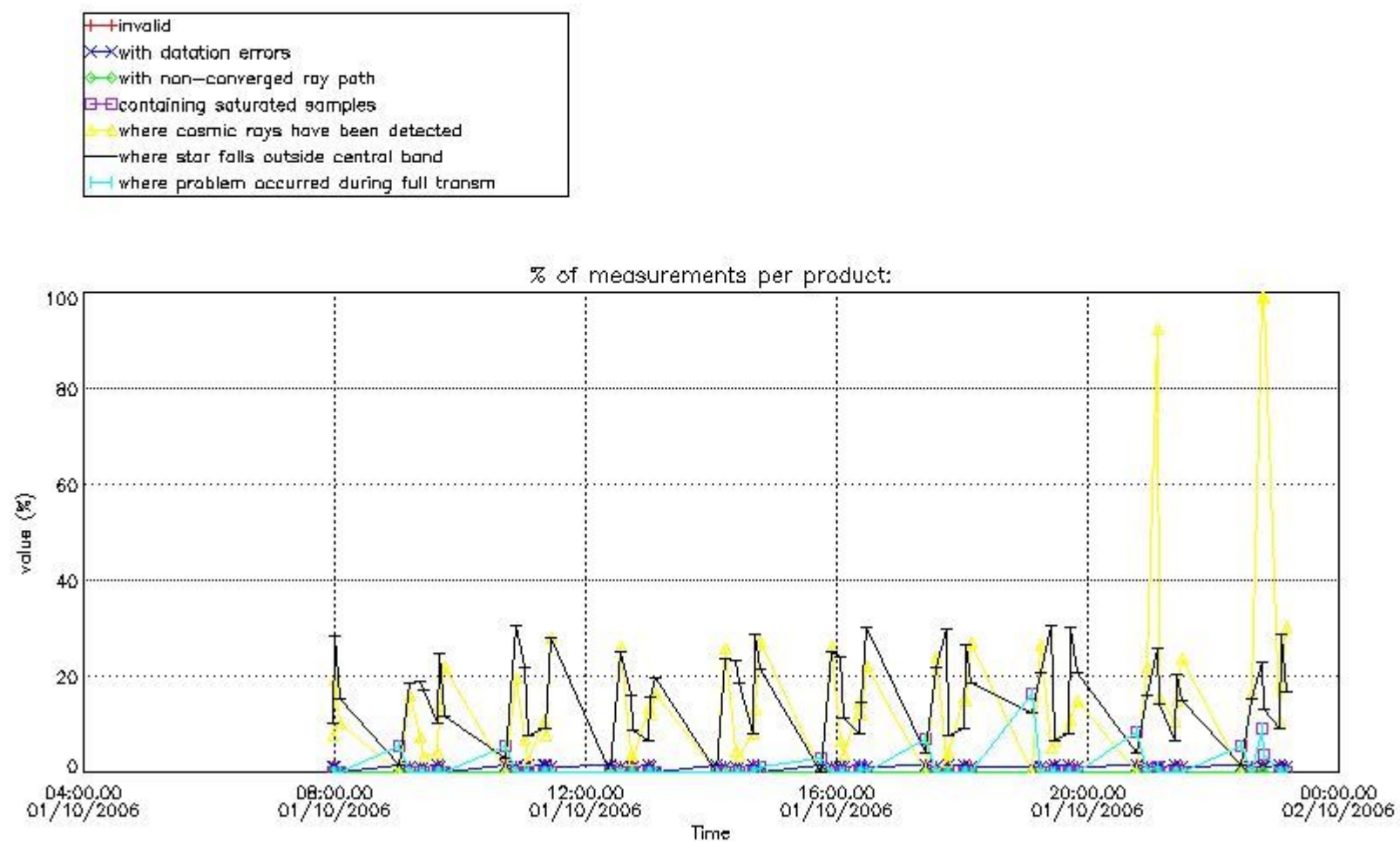


4. Level 1 quality information per product

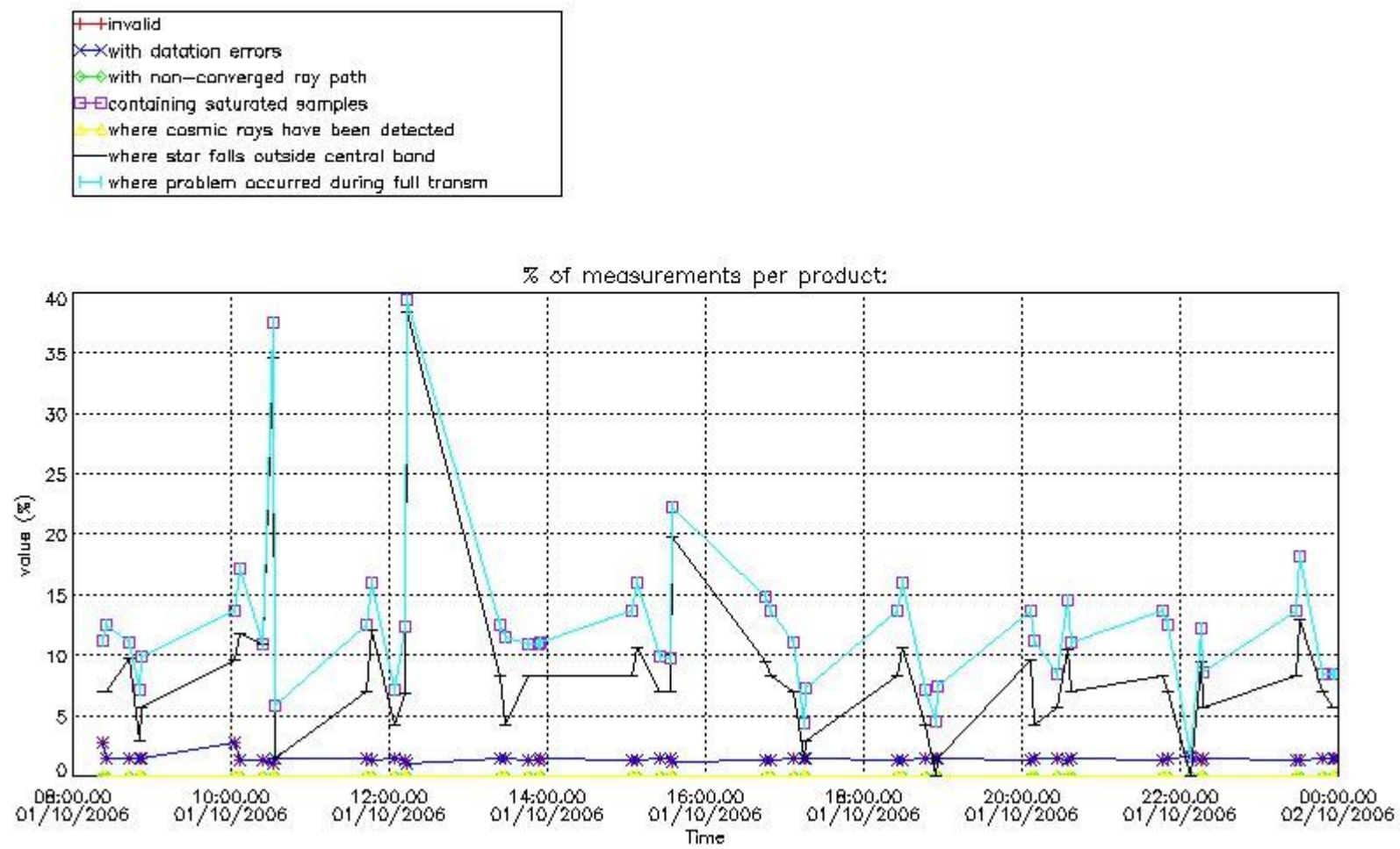
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



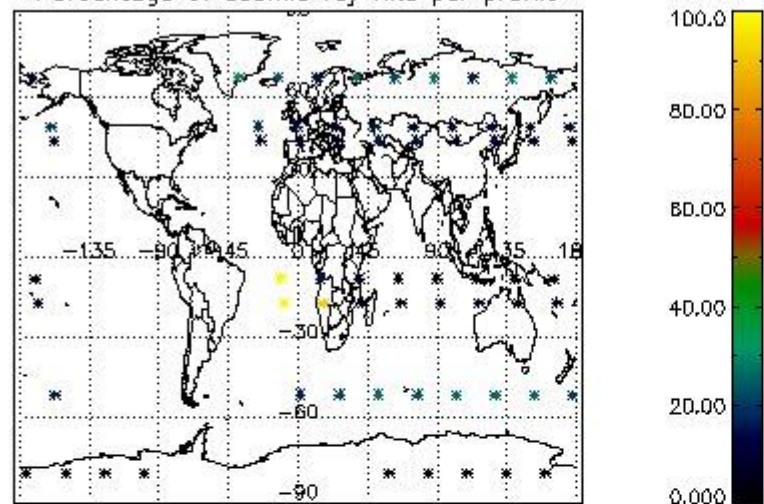
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



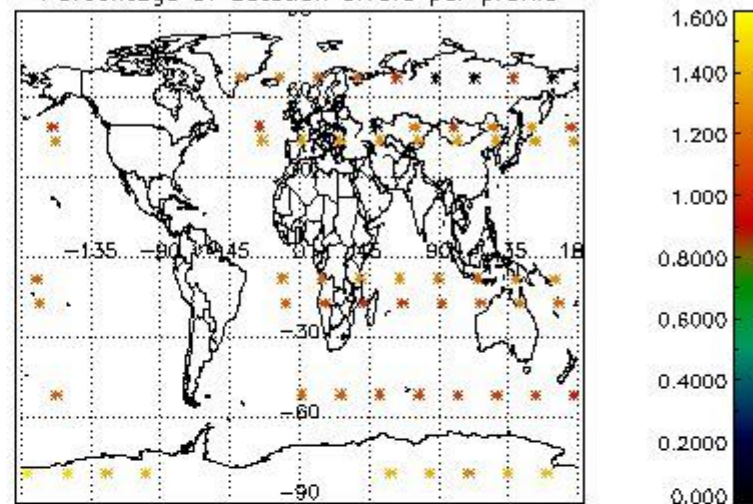
4.2 Plot quality information per product coming from level 1b processing (world map)

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

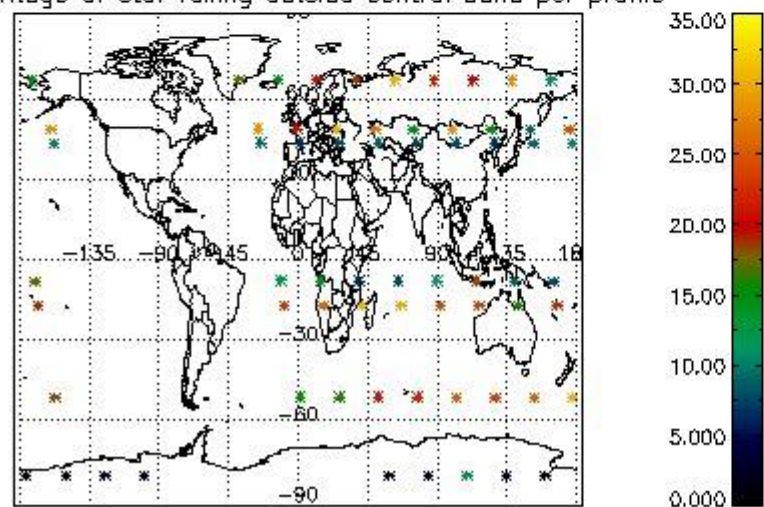
Percentage of cosmic ray hits per profile



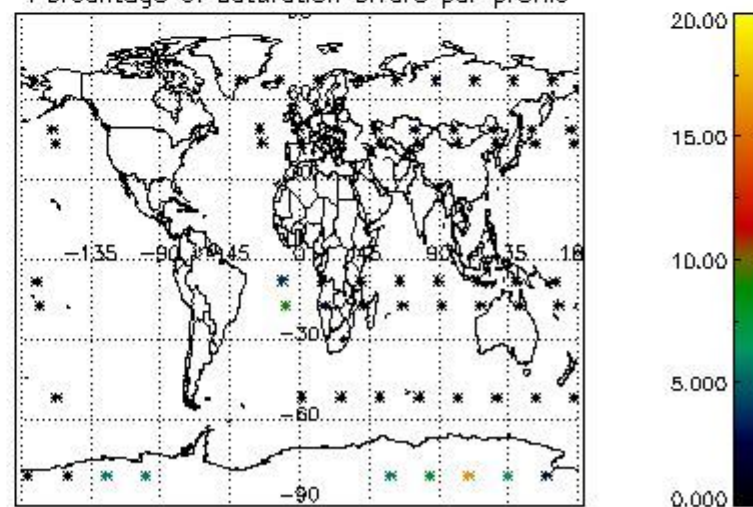
Percentage of datation errors per profile



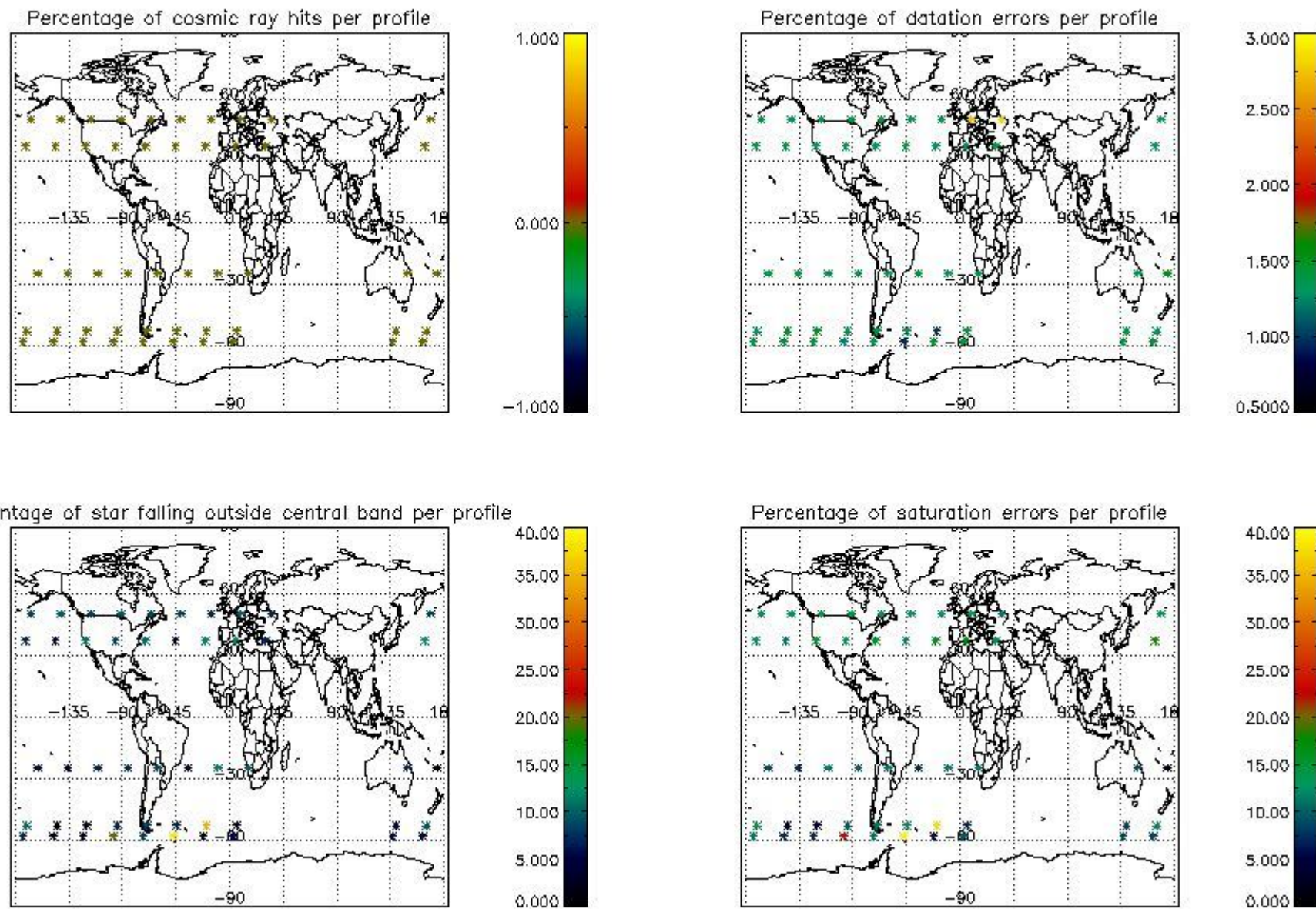
Percentage of star falling outside central band per profile



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

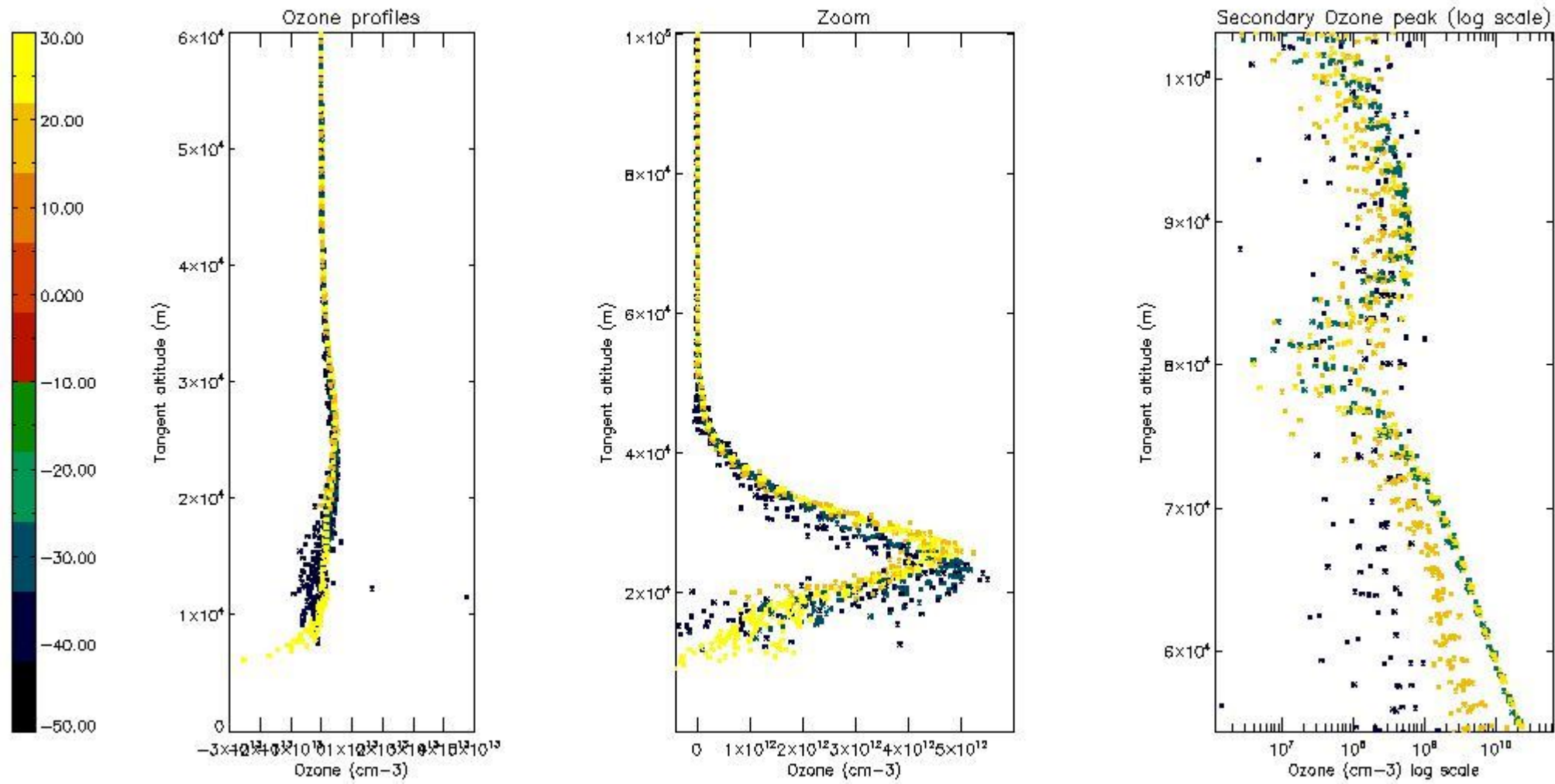
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

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

STD < 10	15
STD < 5	11

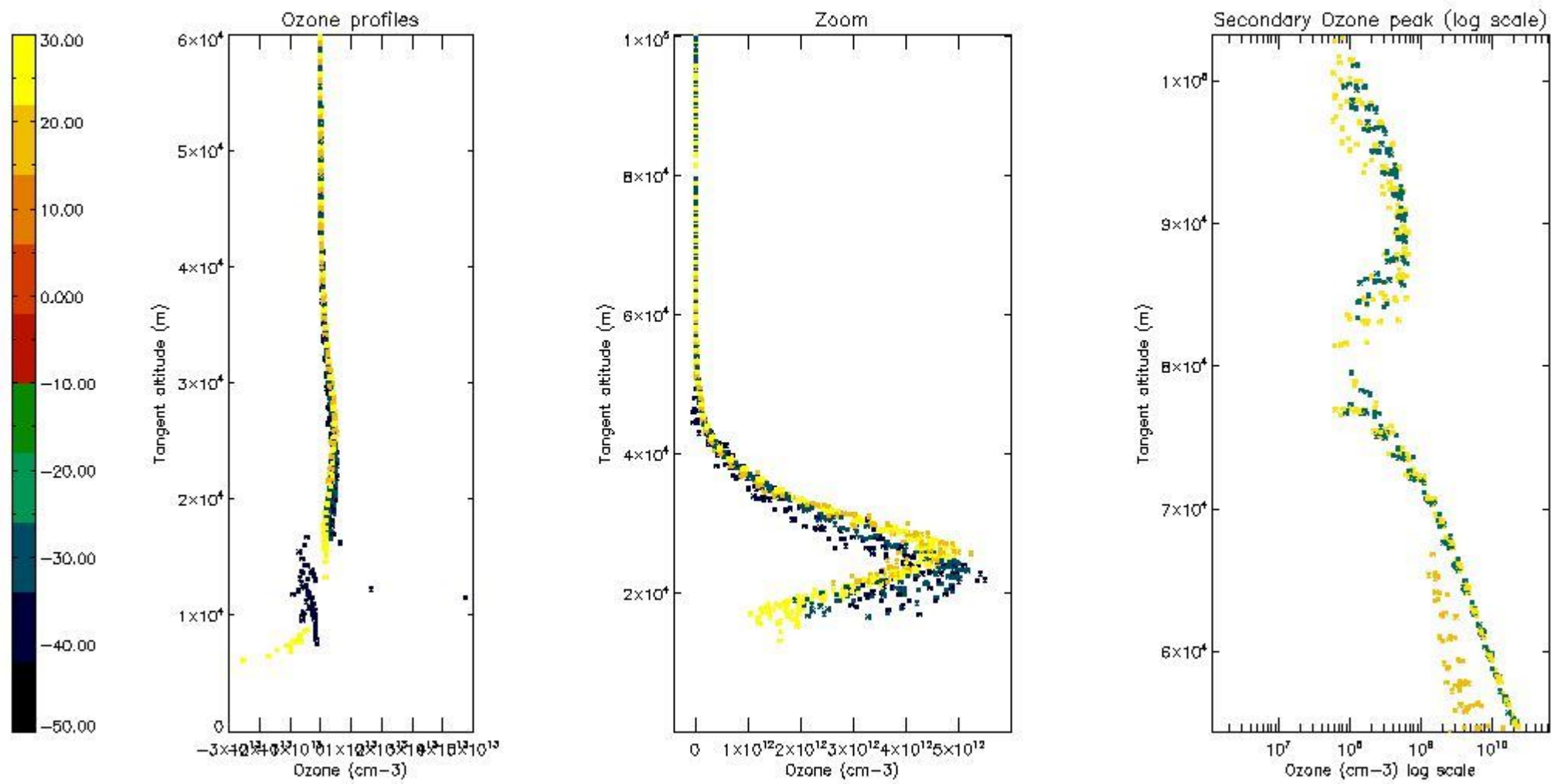
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



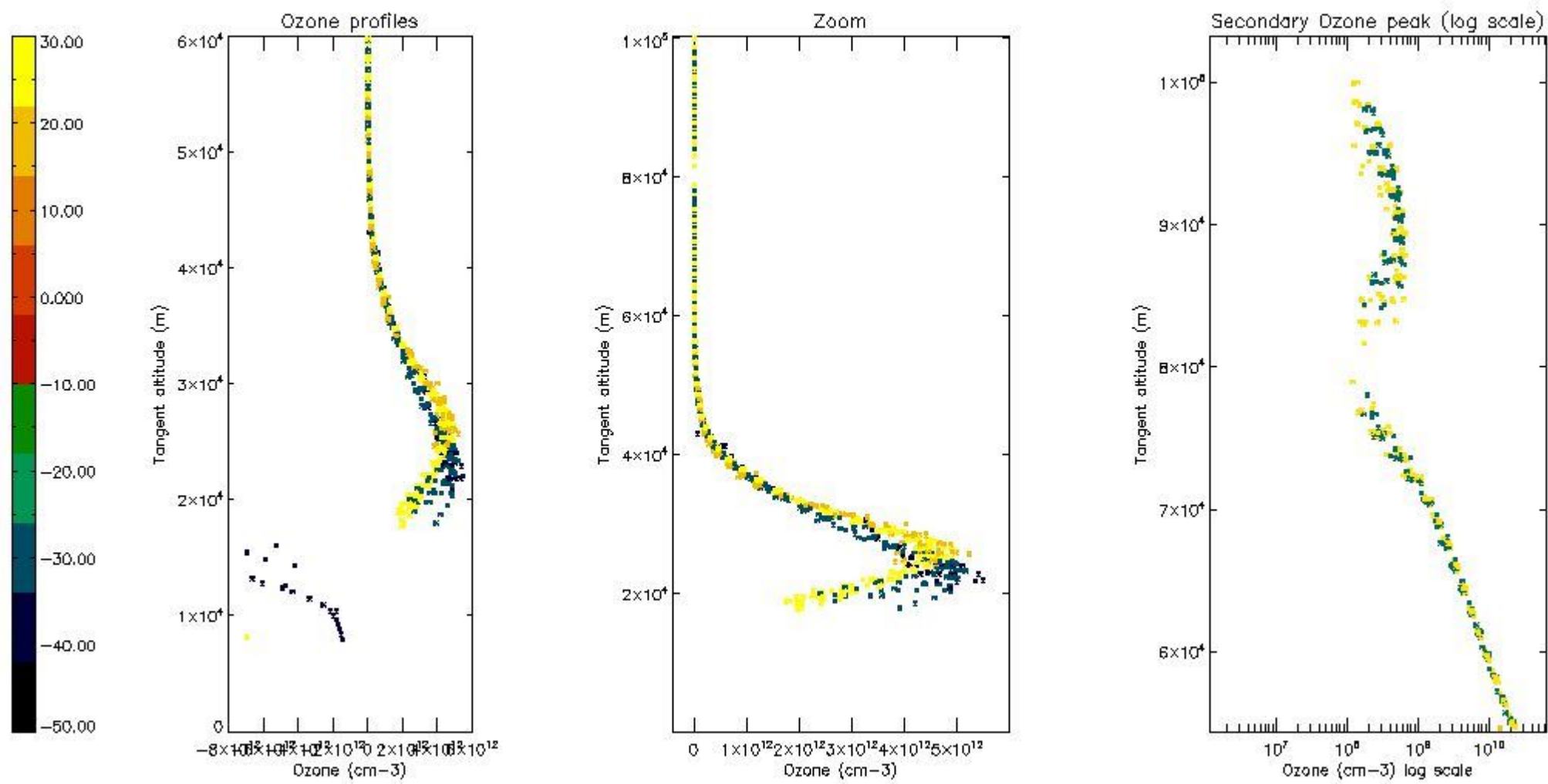
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



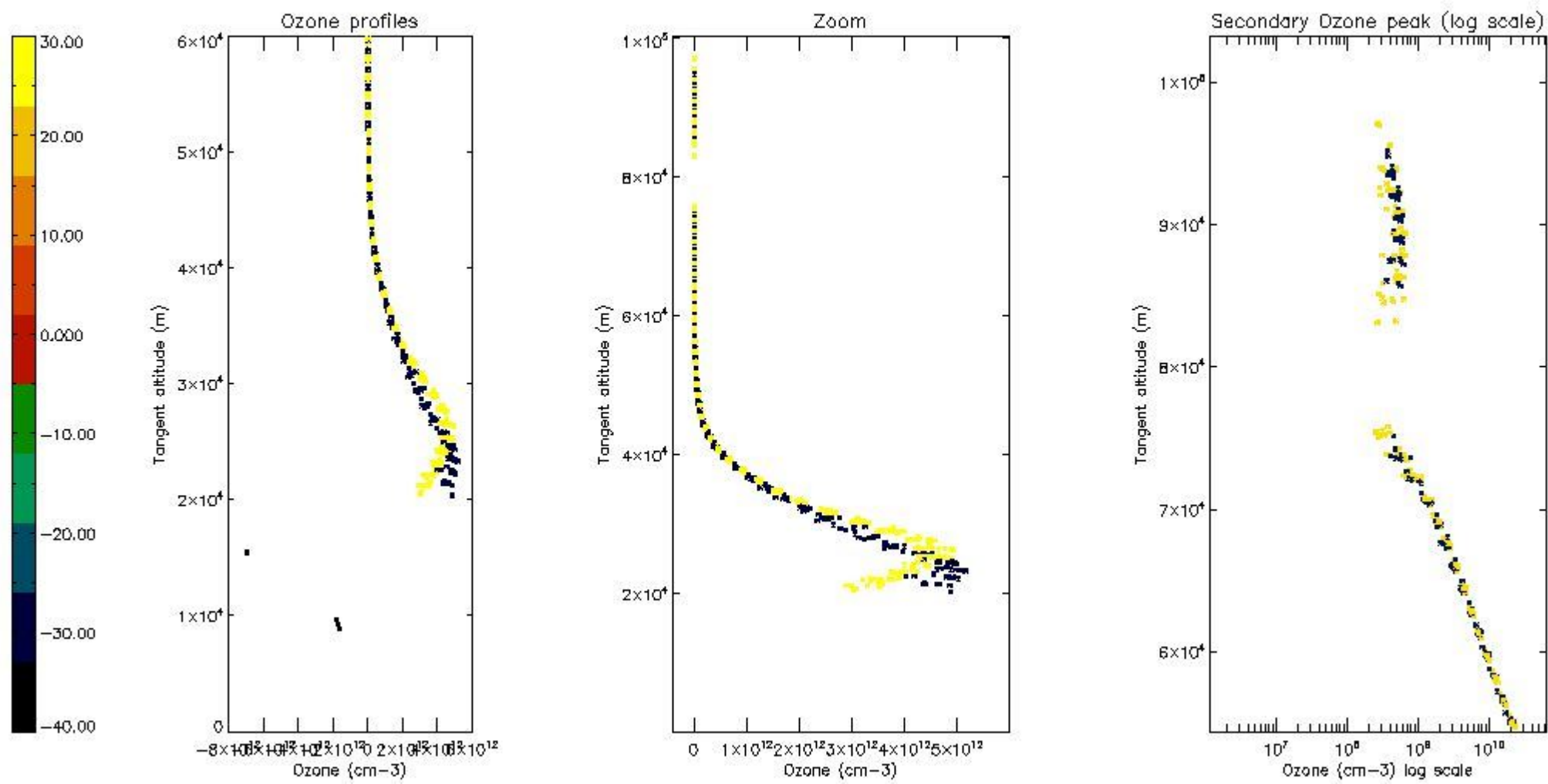
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



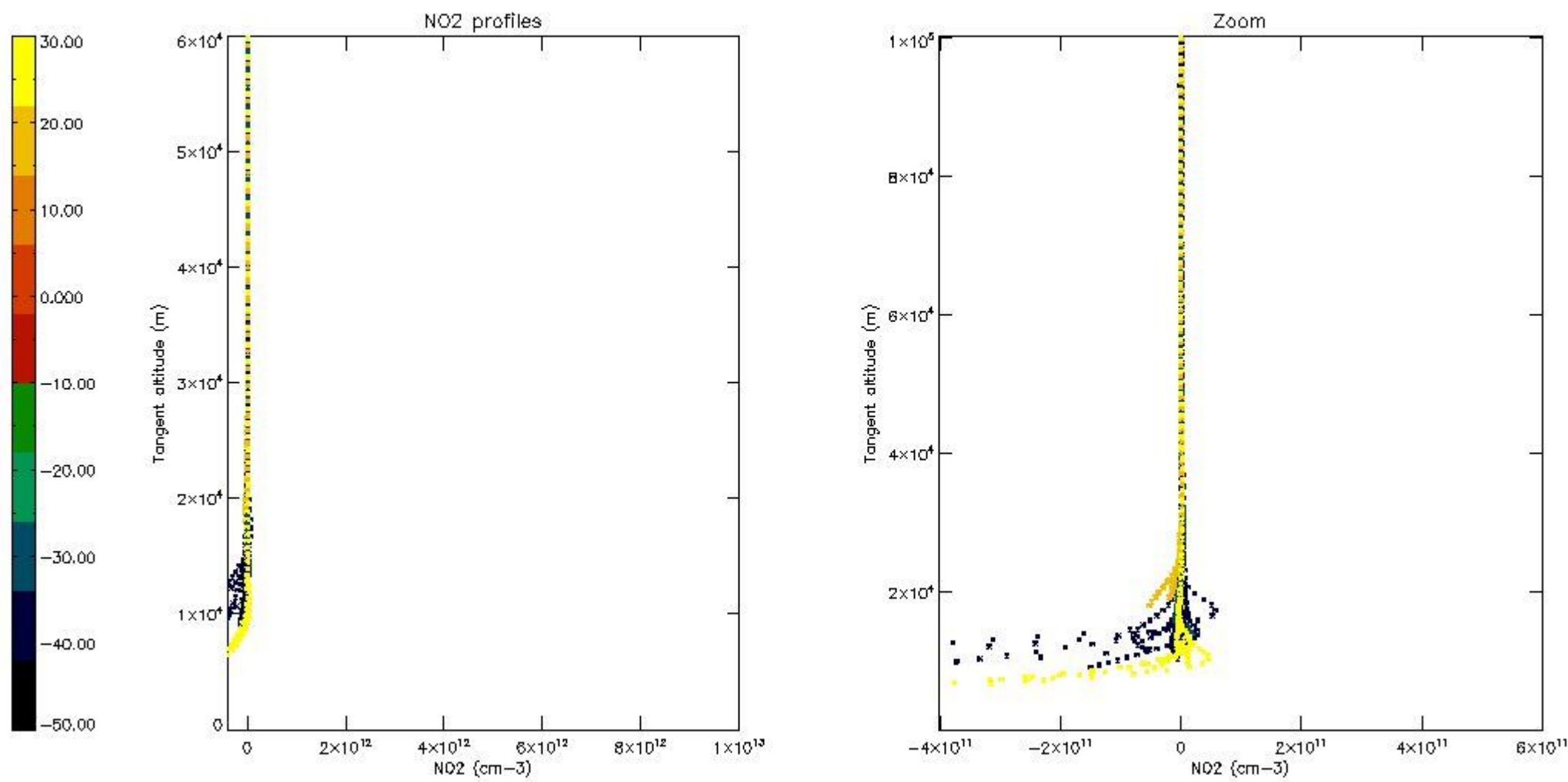
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



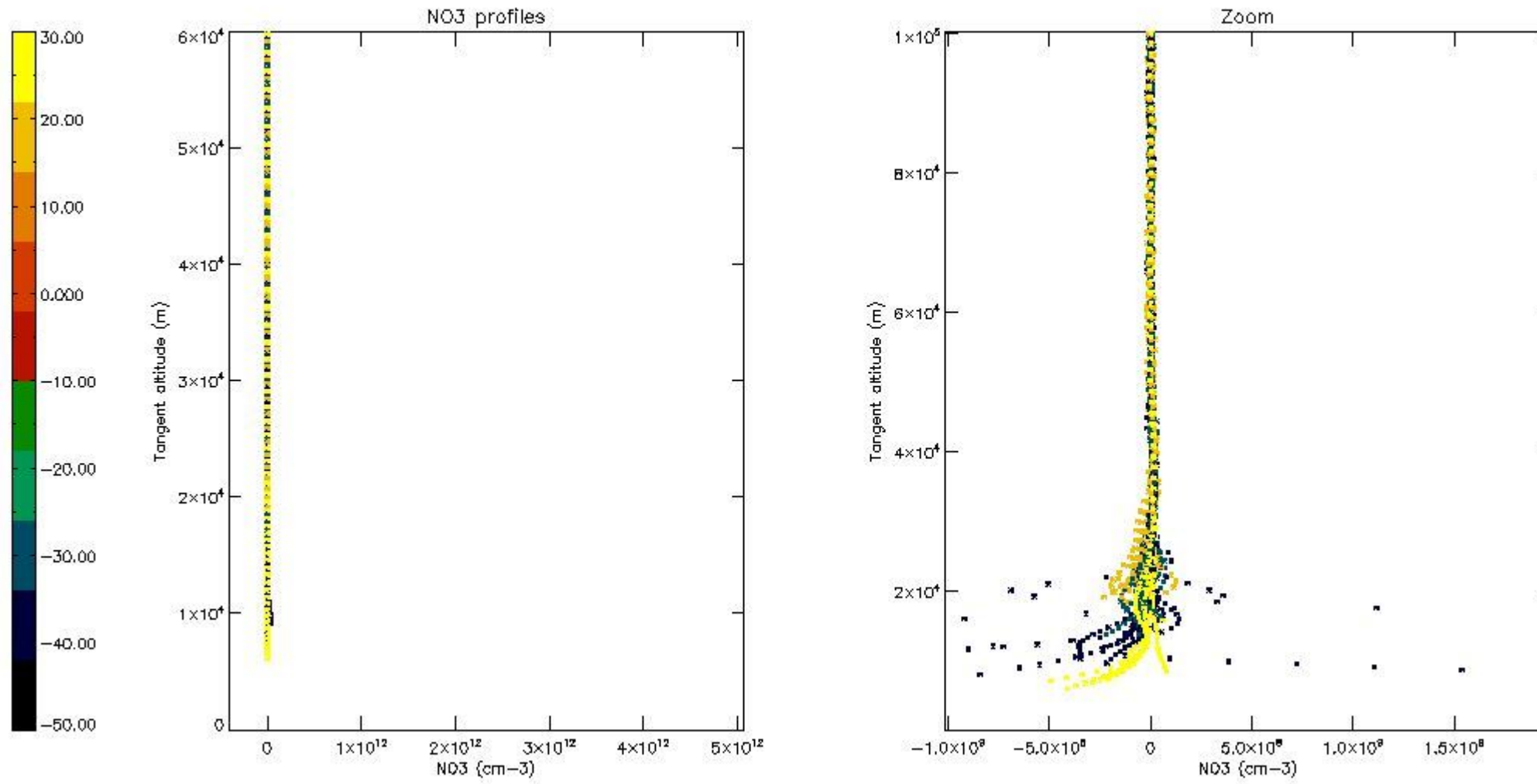
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

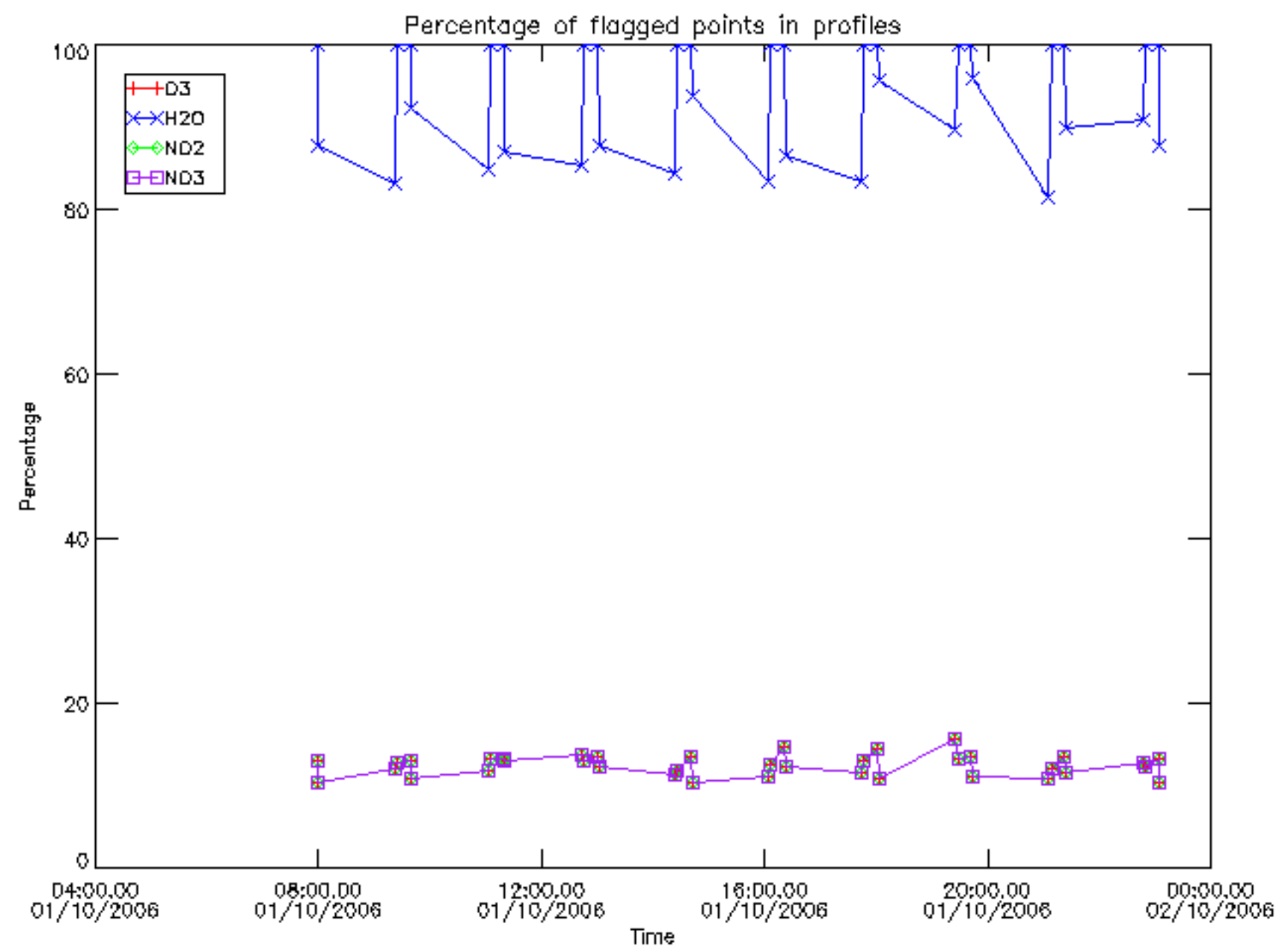
The colorbar represents the latitude.



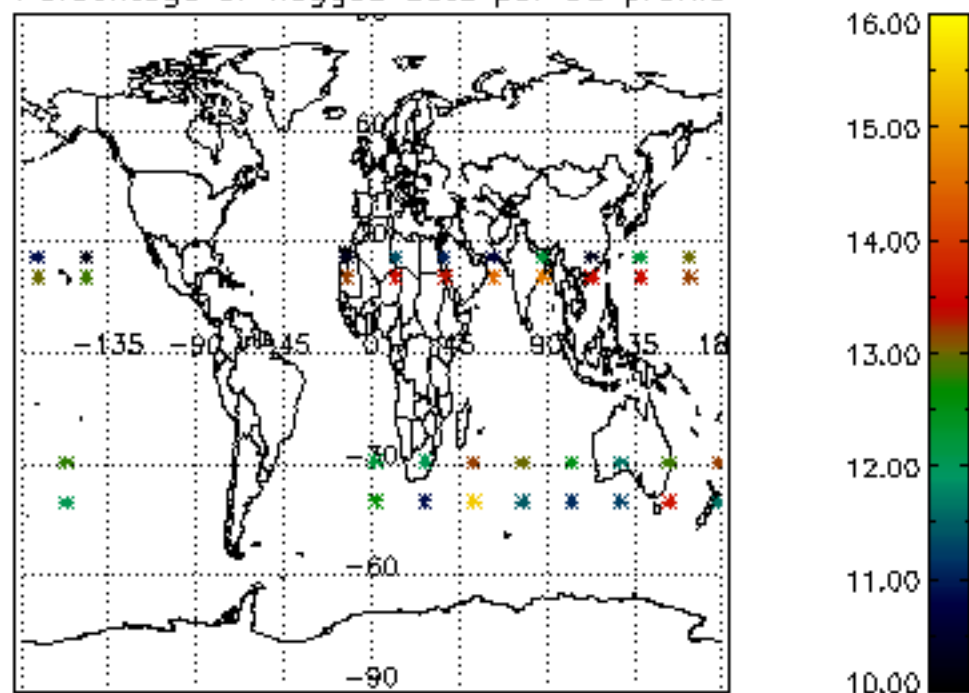
6. Auxiliary Data Files used for the production reported in section 2

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

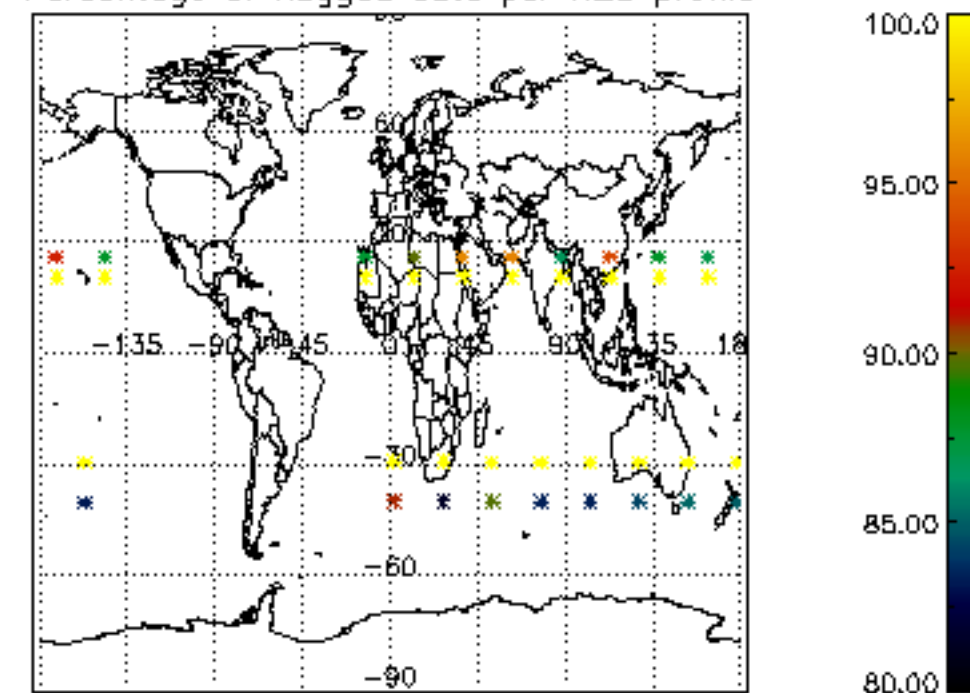
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	01-OCT-2006 07:58:11
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	01-OCT-2006 07:58:11
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	01-OCT-2006 07:58:11



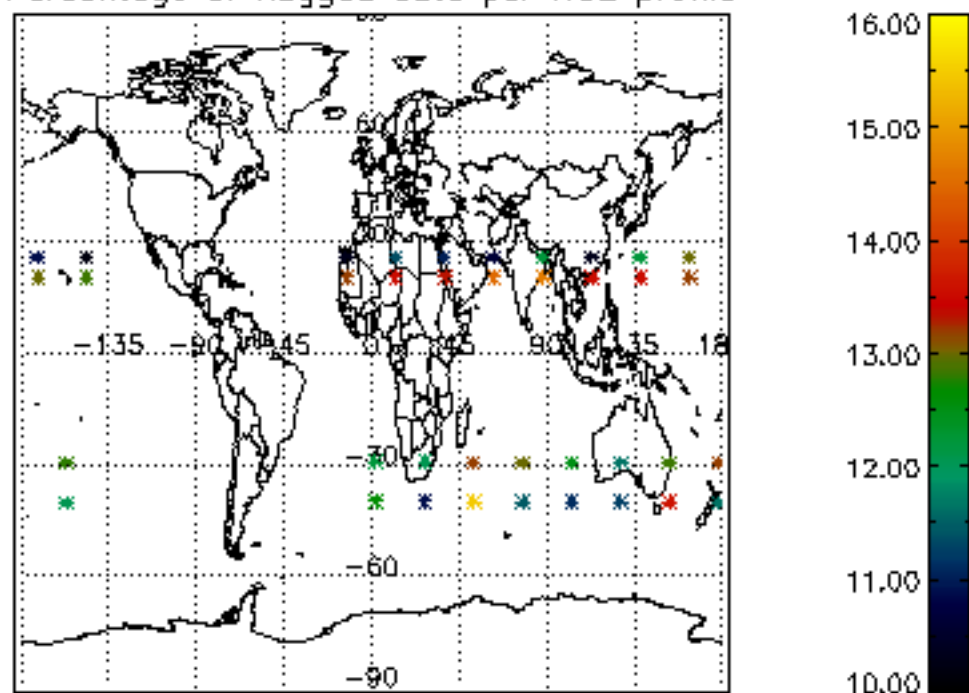
Percentage of flagged data per D3 profile



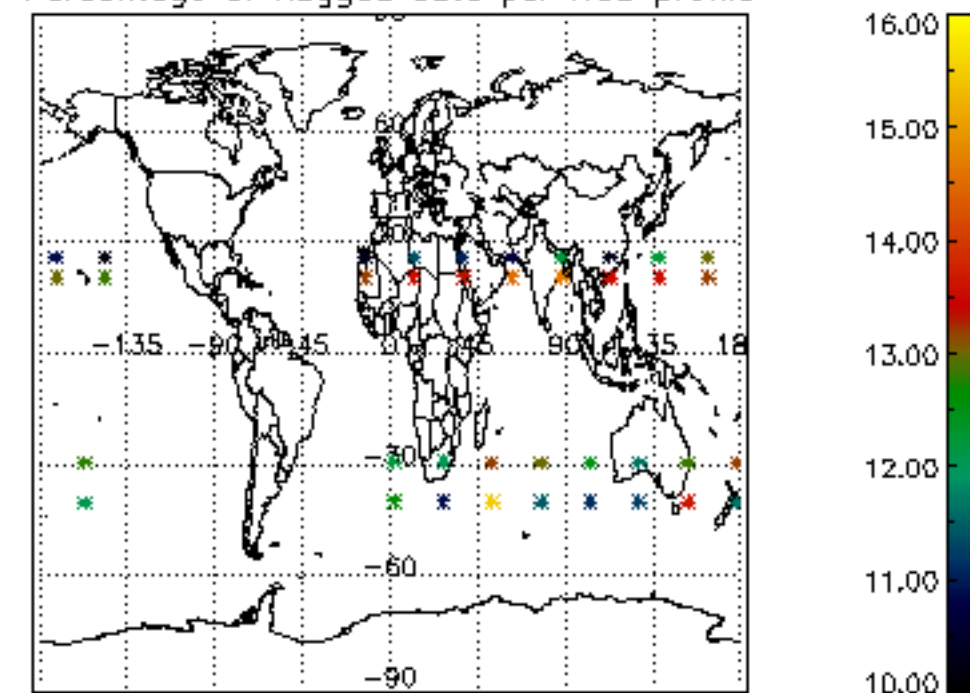
Percentage of flagged data per H2O profile

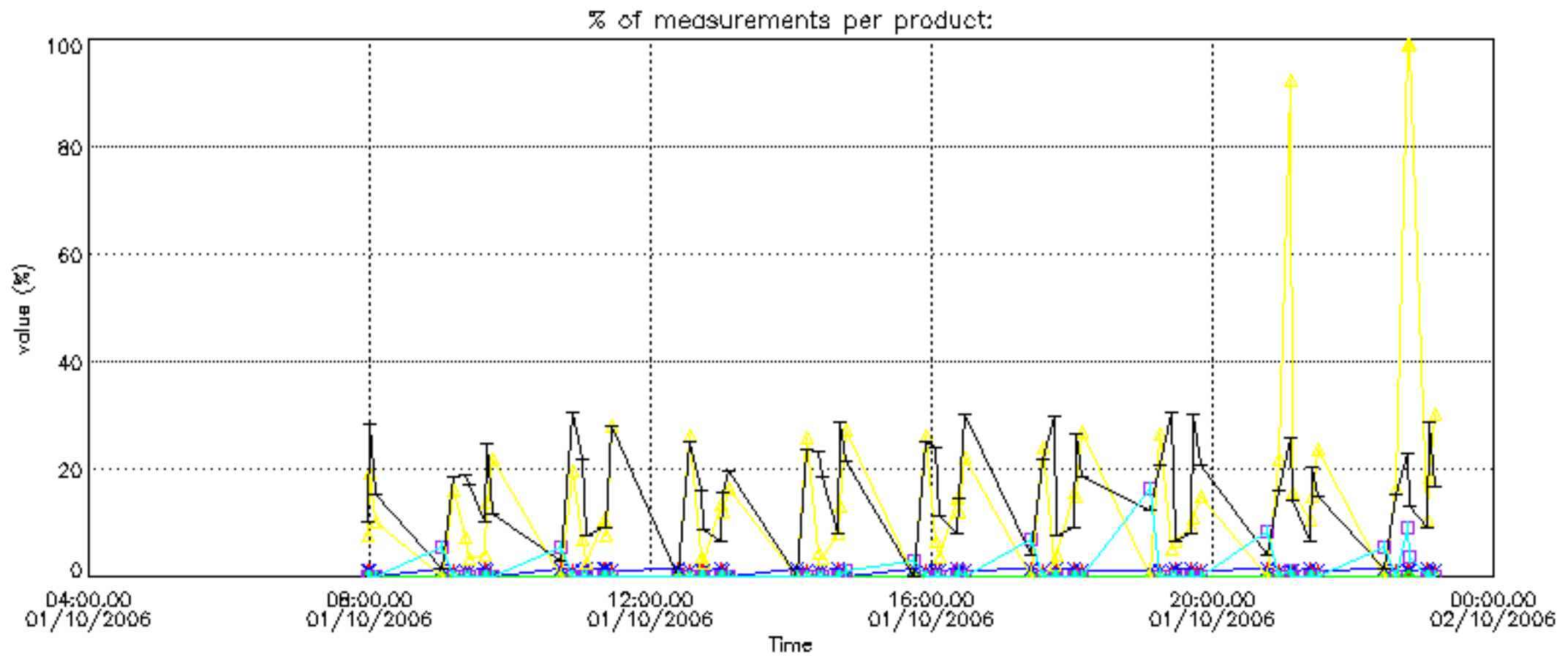


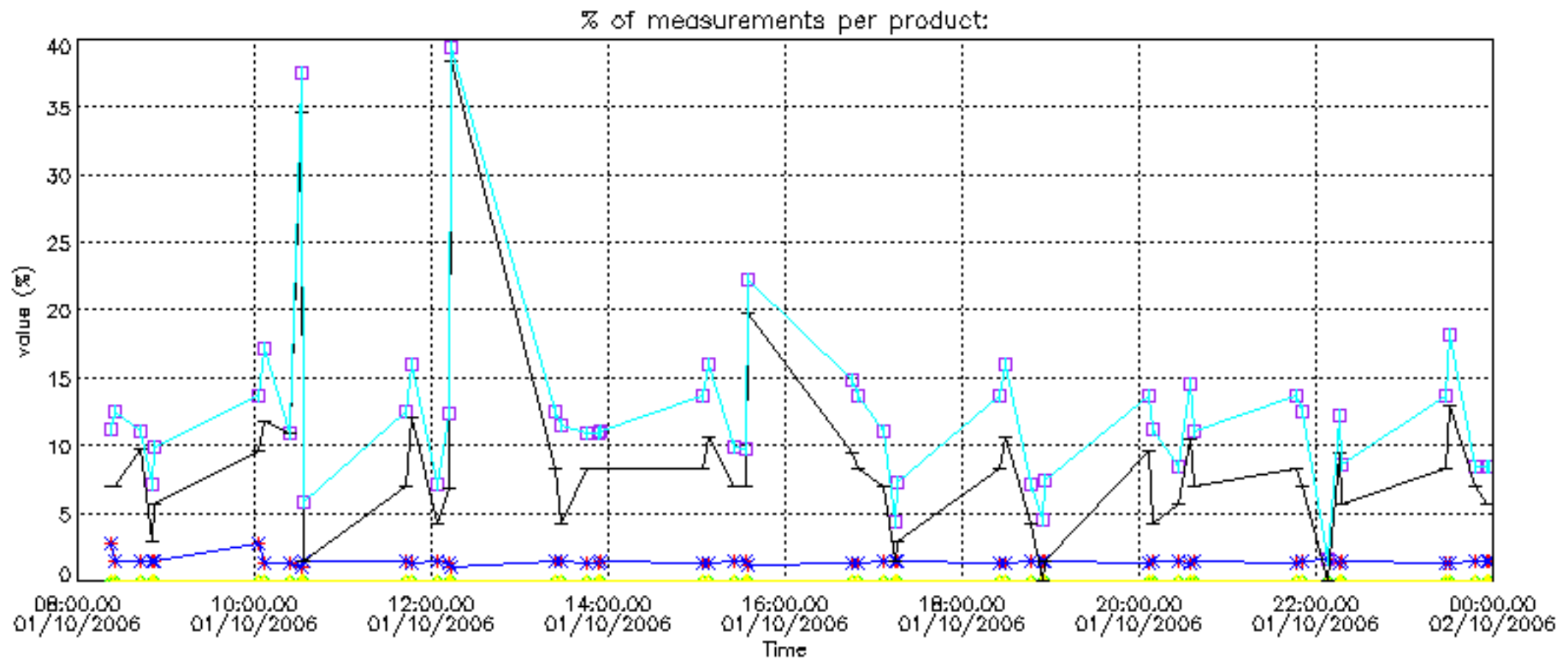
Percentage of flagged data per NO2 profile



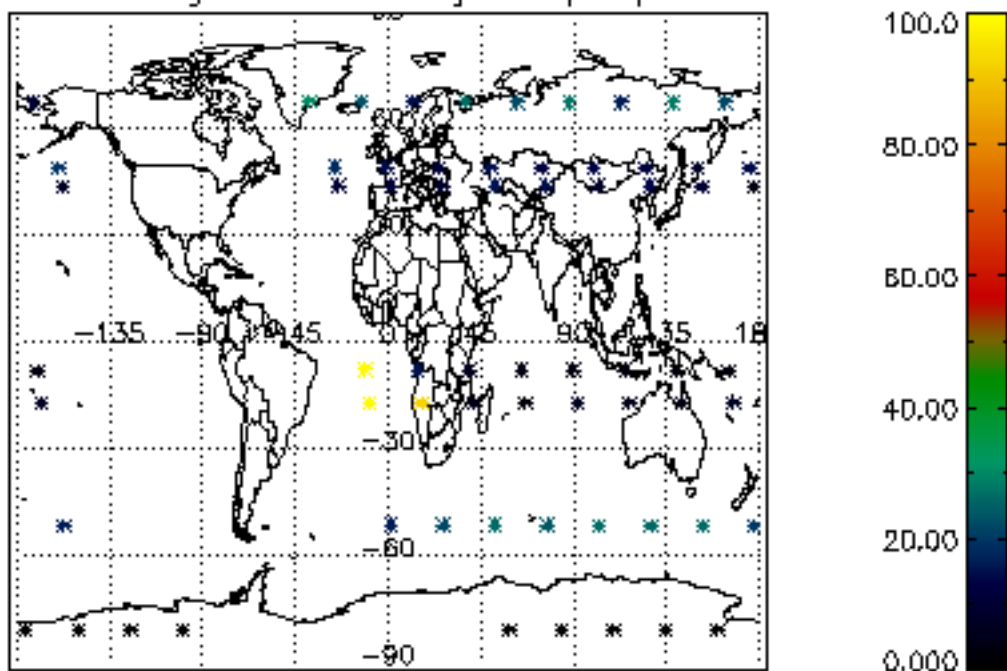
Percentage of flagged data per NO3 profile



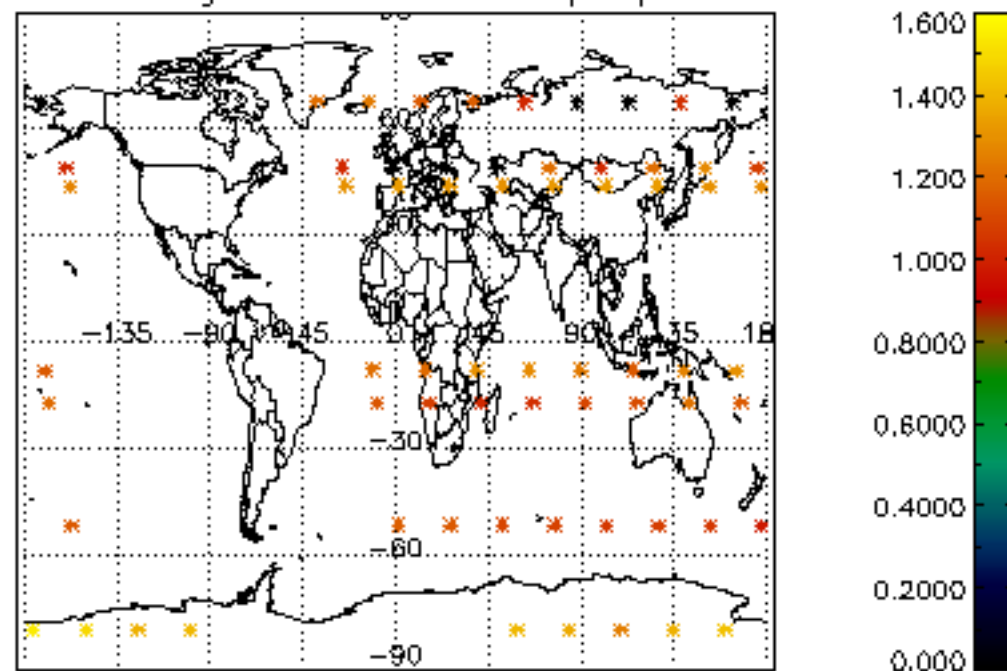




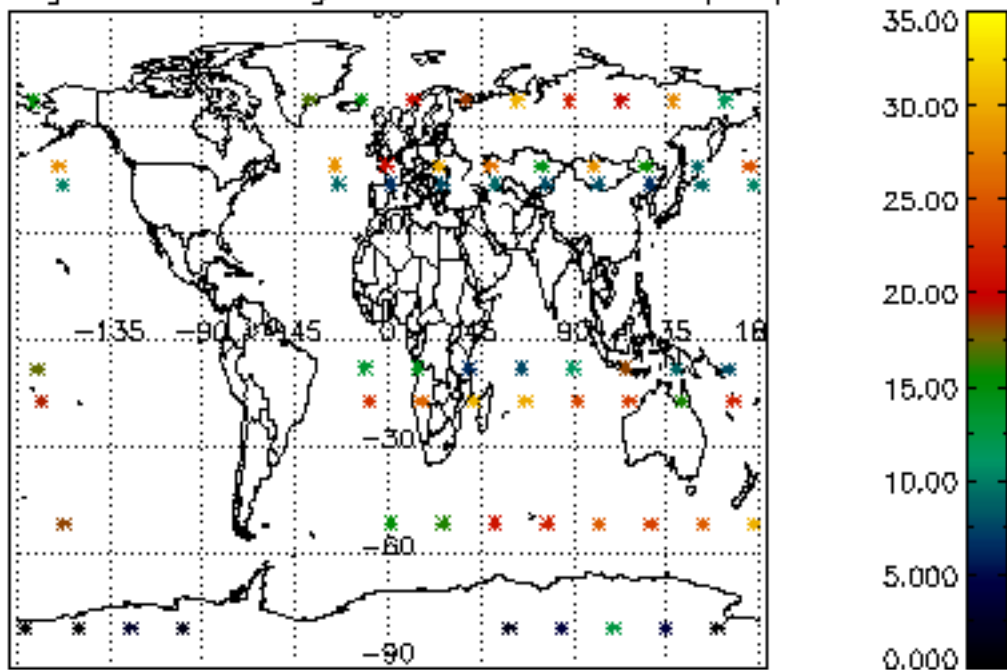
Percentage of cosmic ray hits per profile



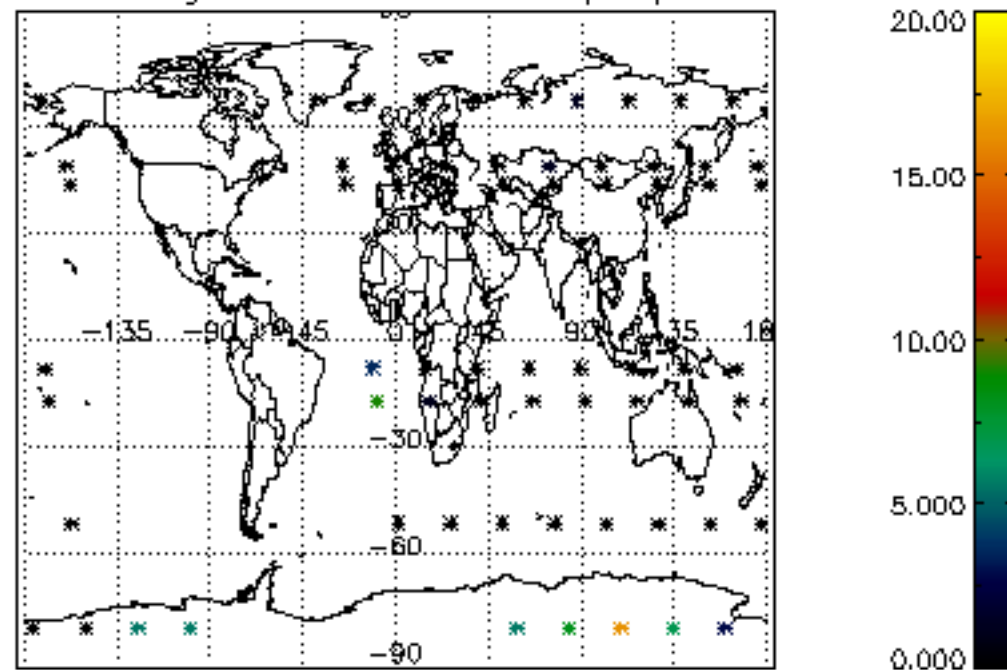
Percentage of datation errors per profile



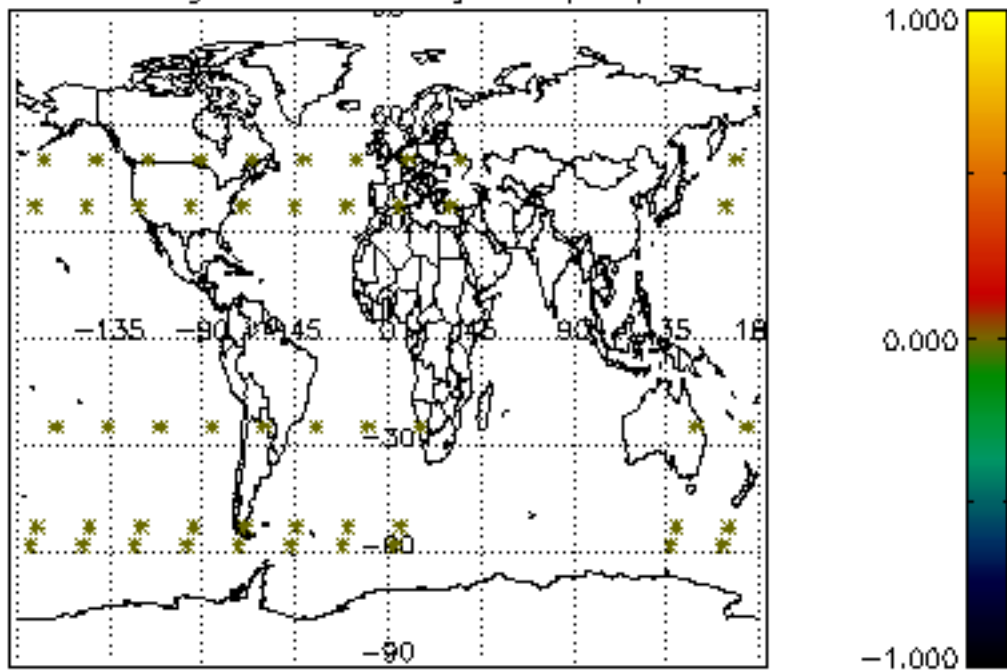
Percentage of star falling outside central band per profile



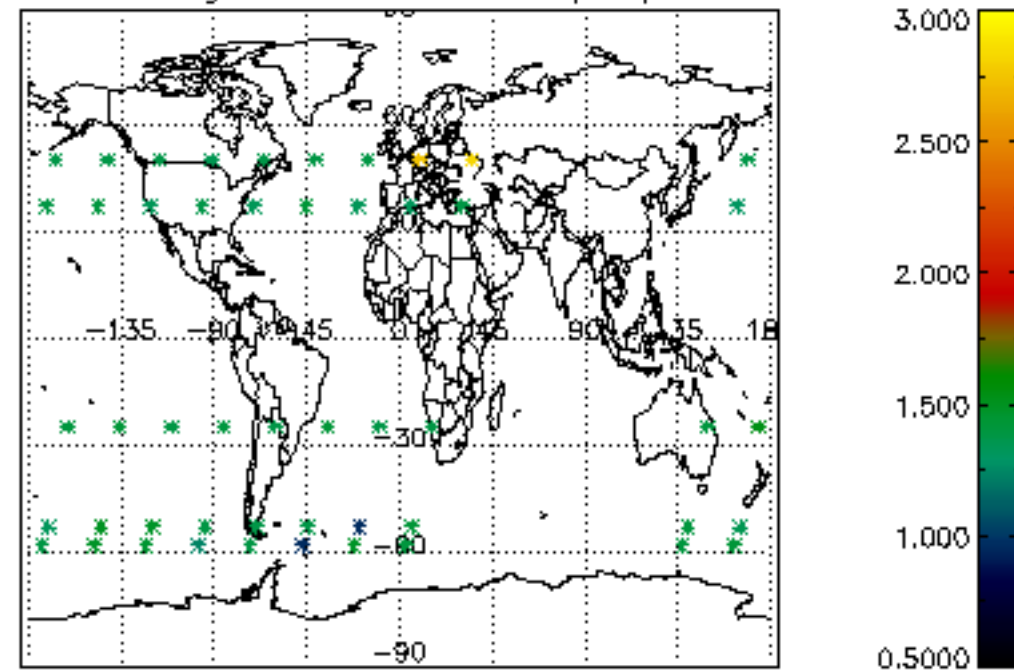
Percentage of saturation errors per profile



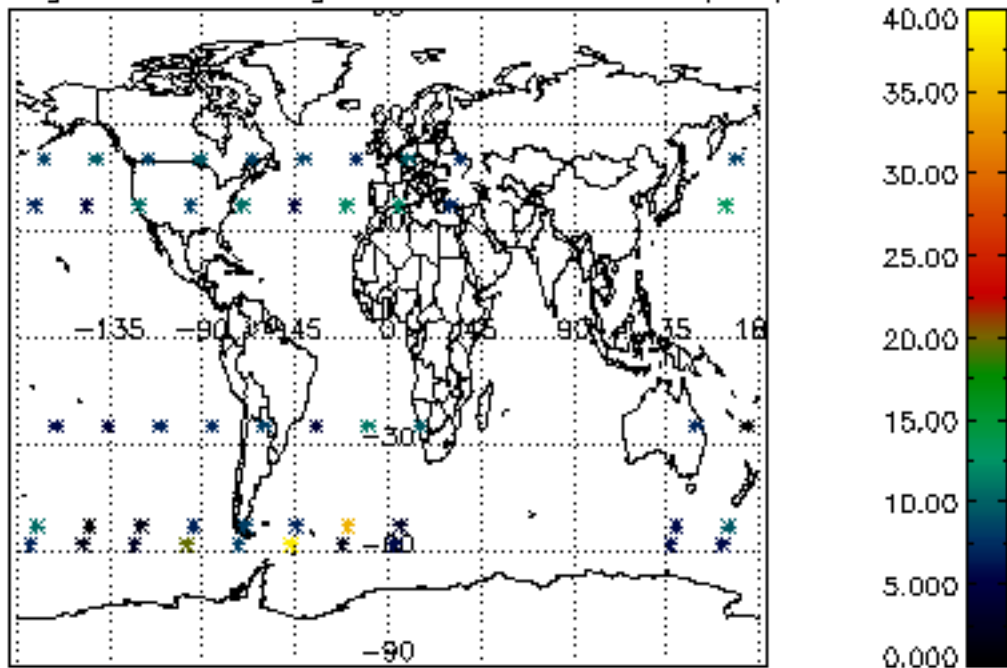
Percentage of cosmic ray hits per profile



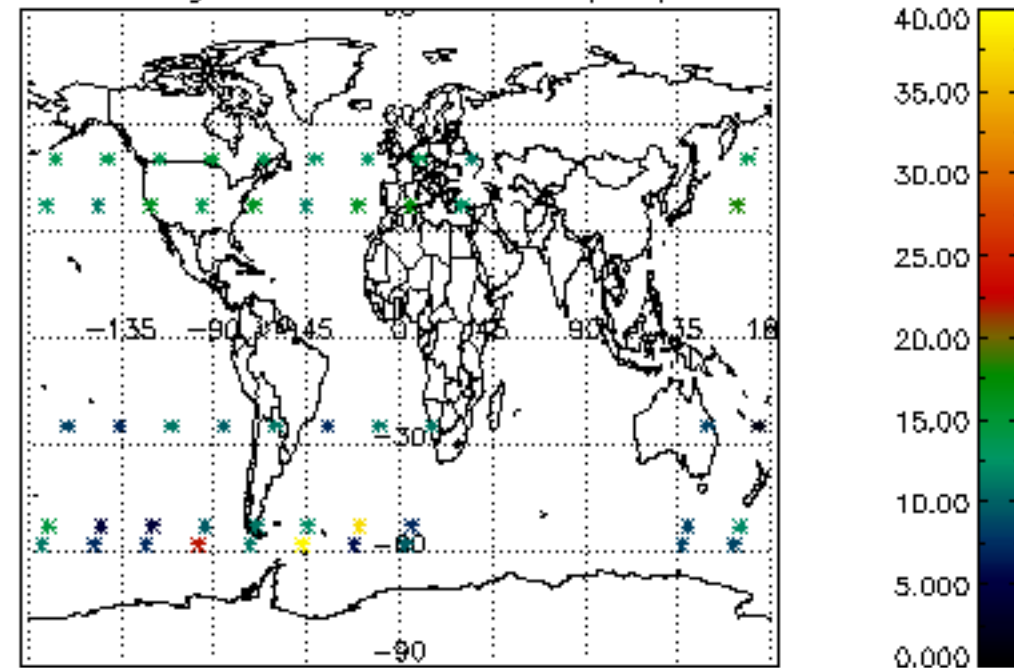
Percentage of datation errors per profile

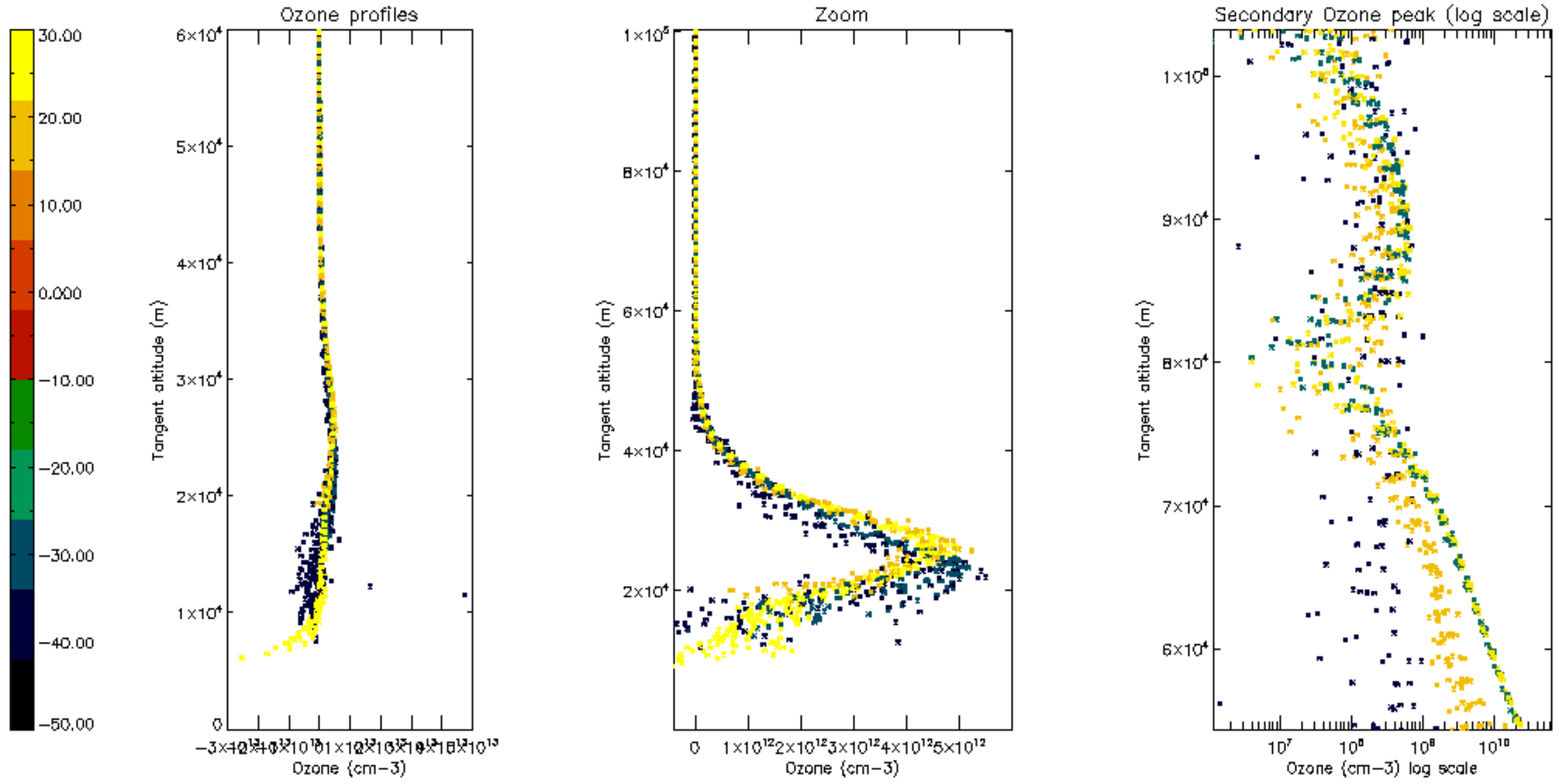


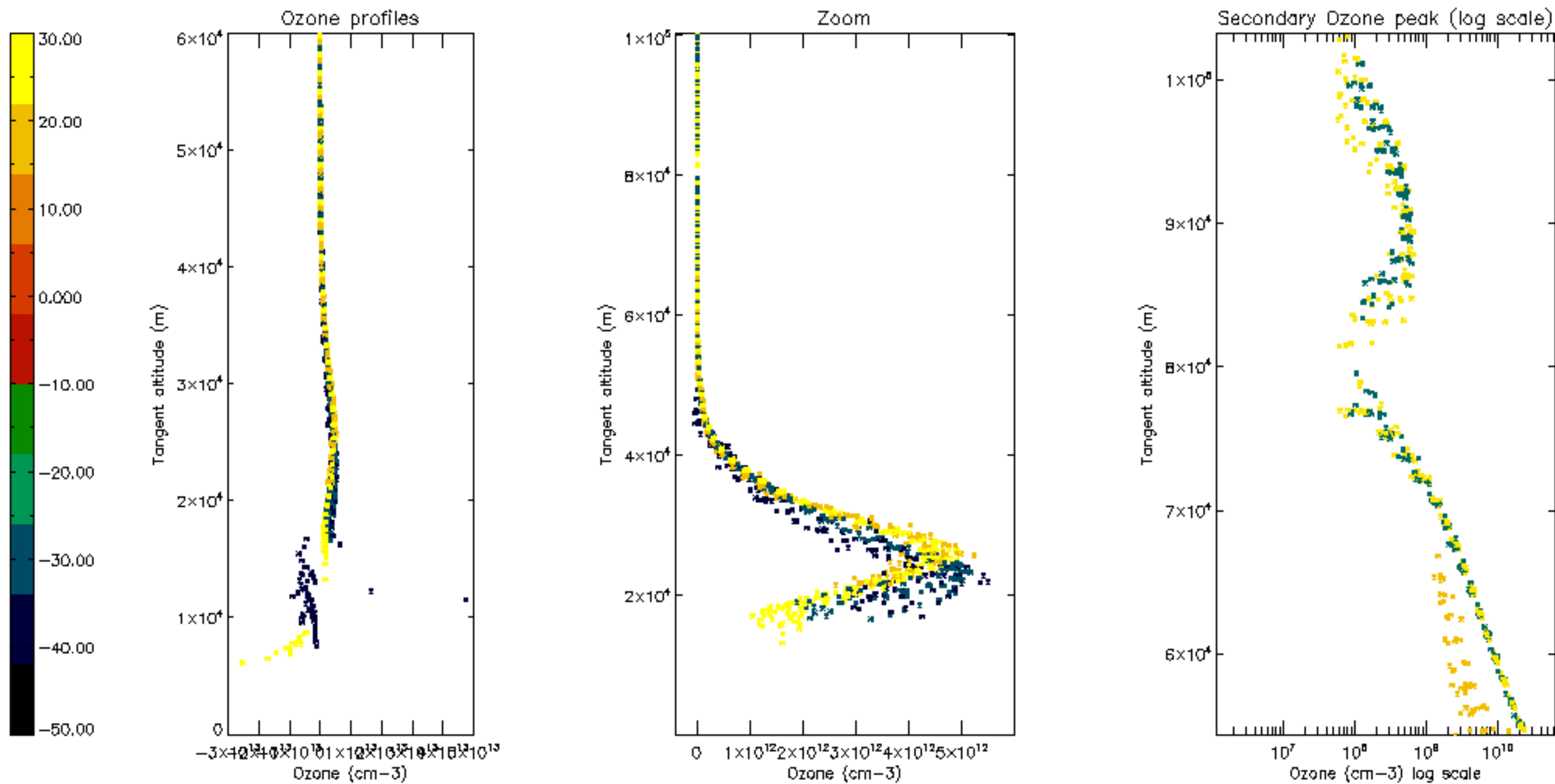
Percentage of star falling outside central band per profile

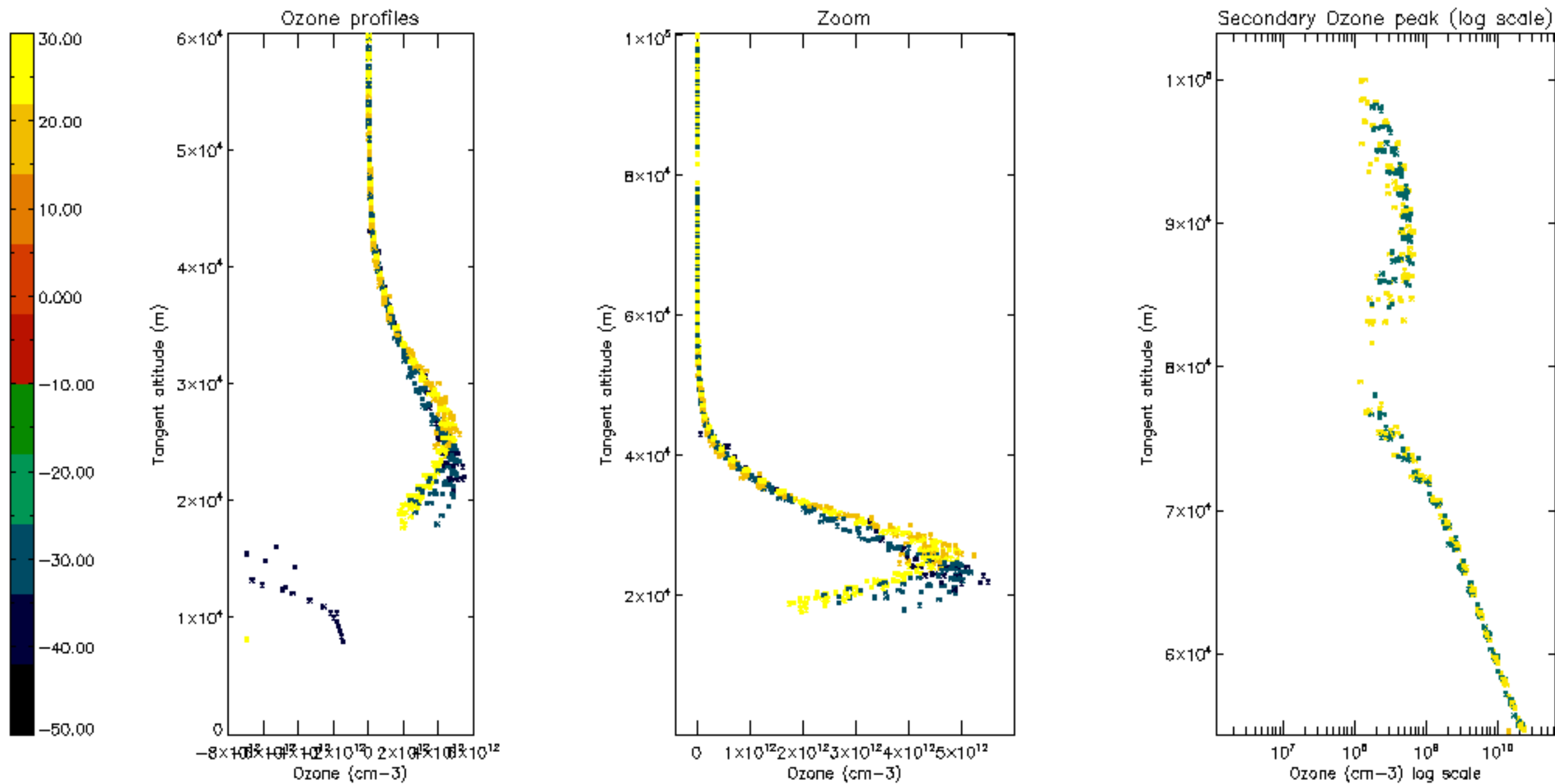


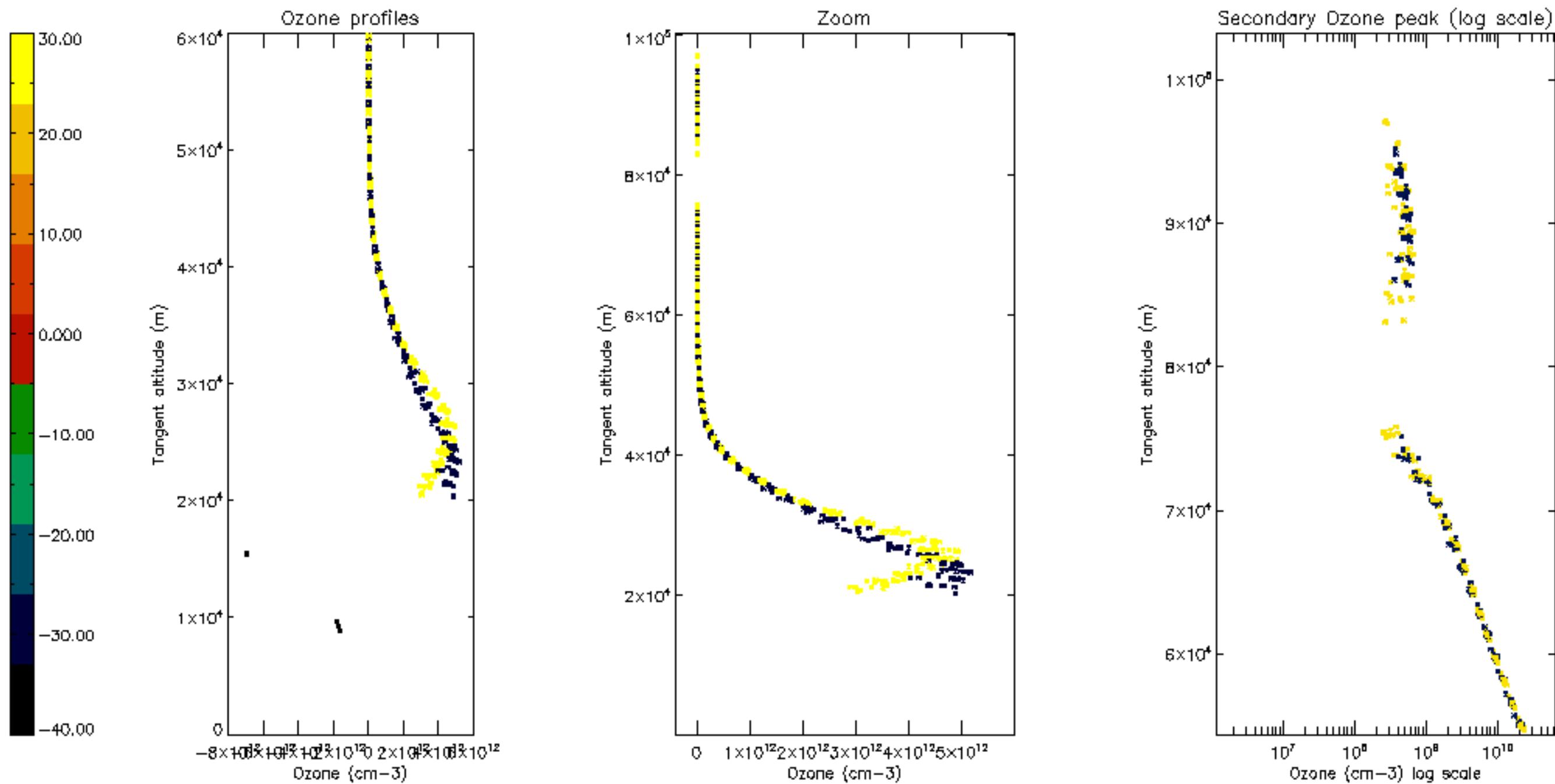
Percentage of saturation errors per profile

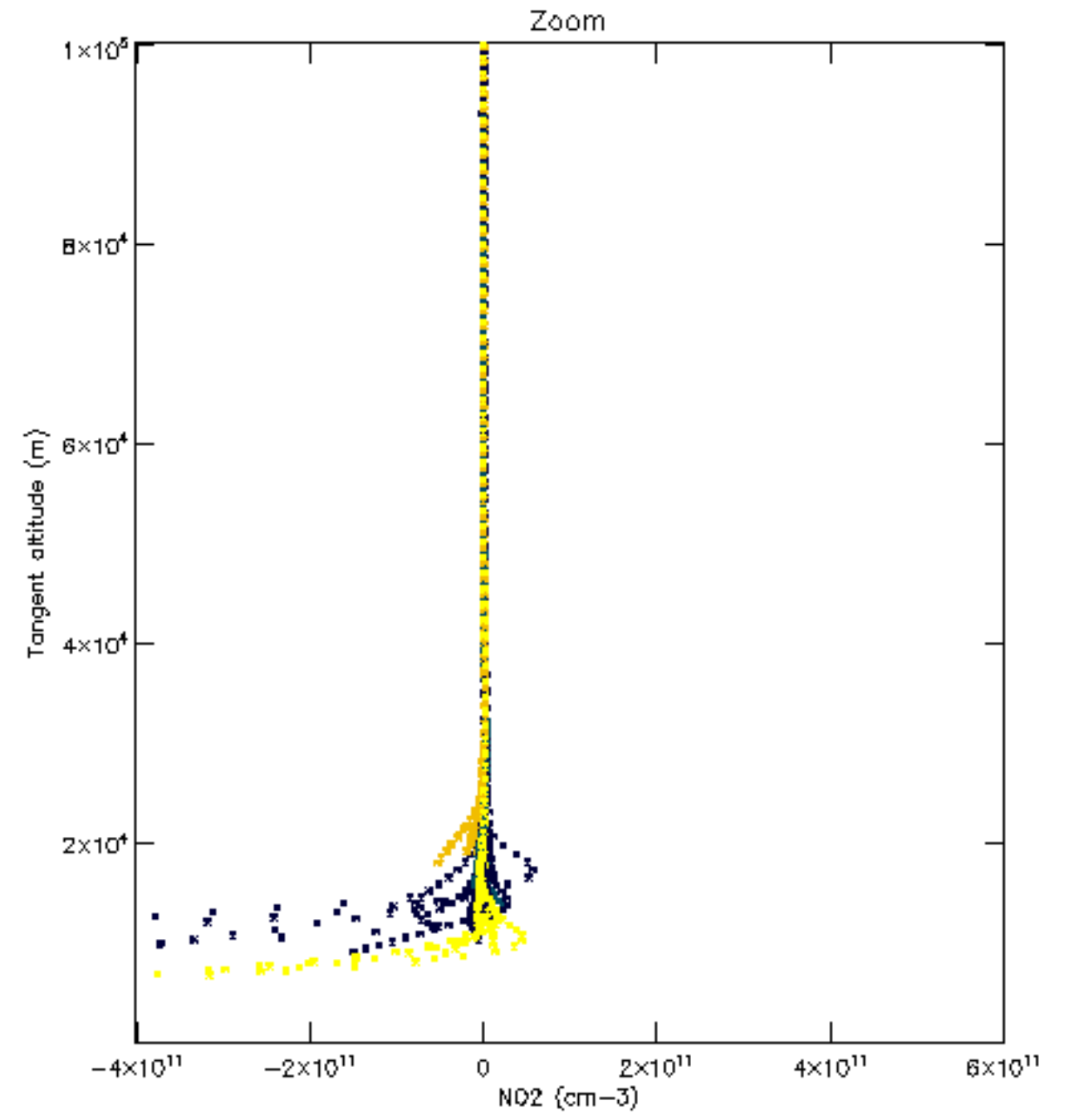
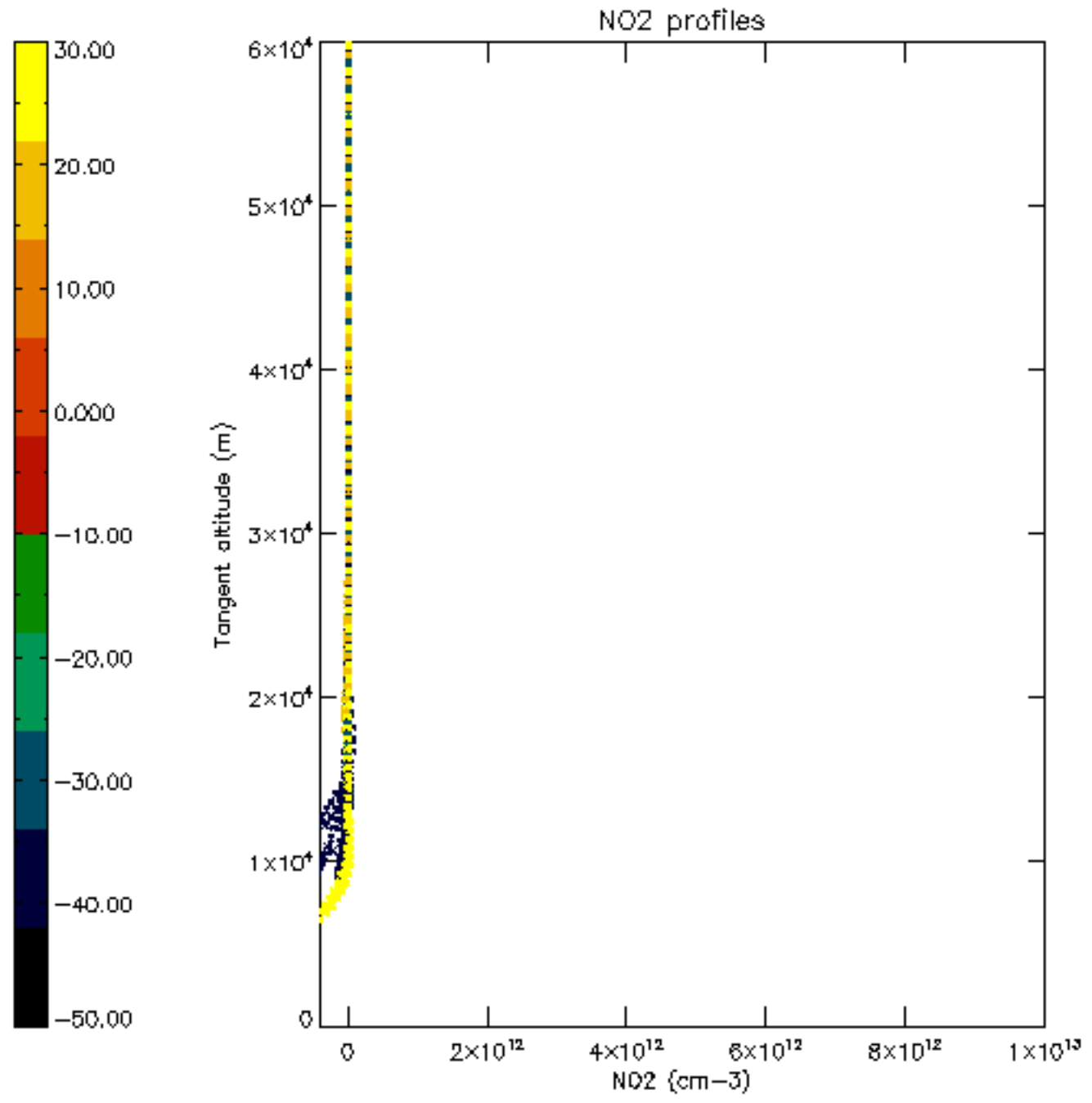


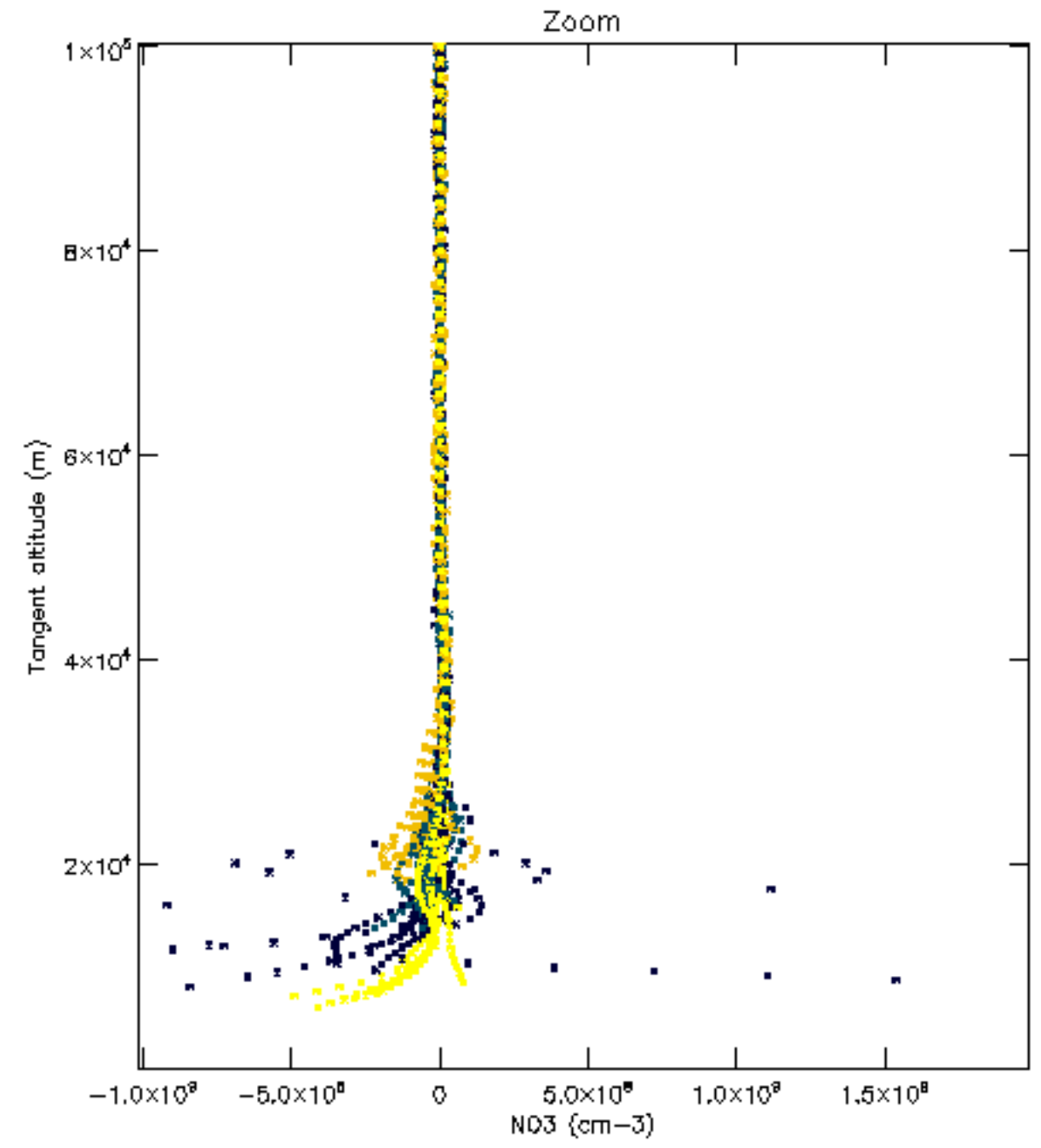
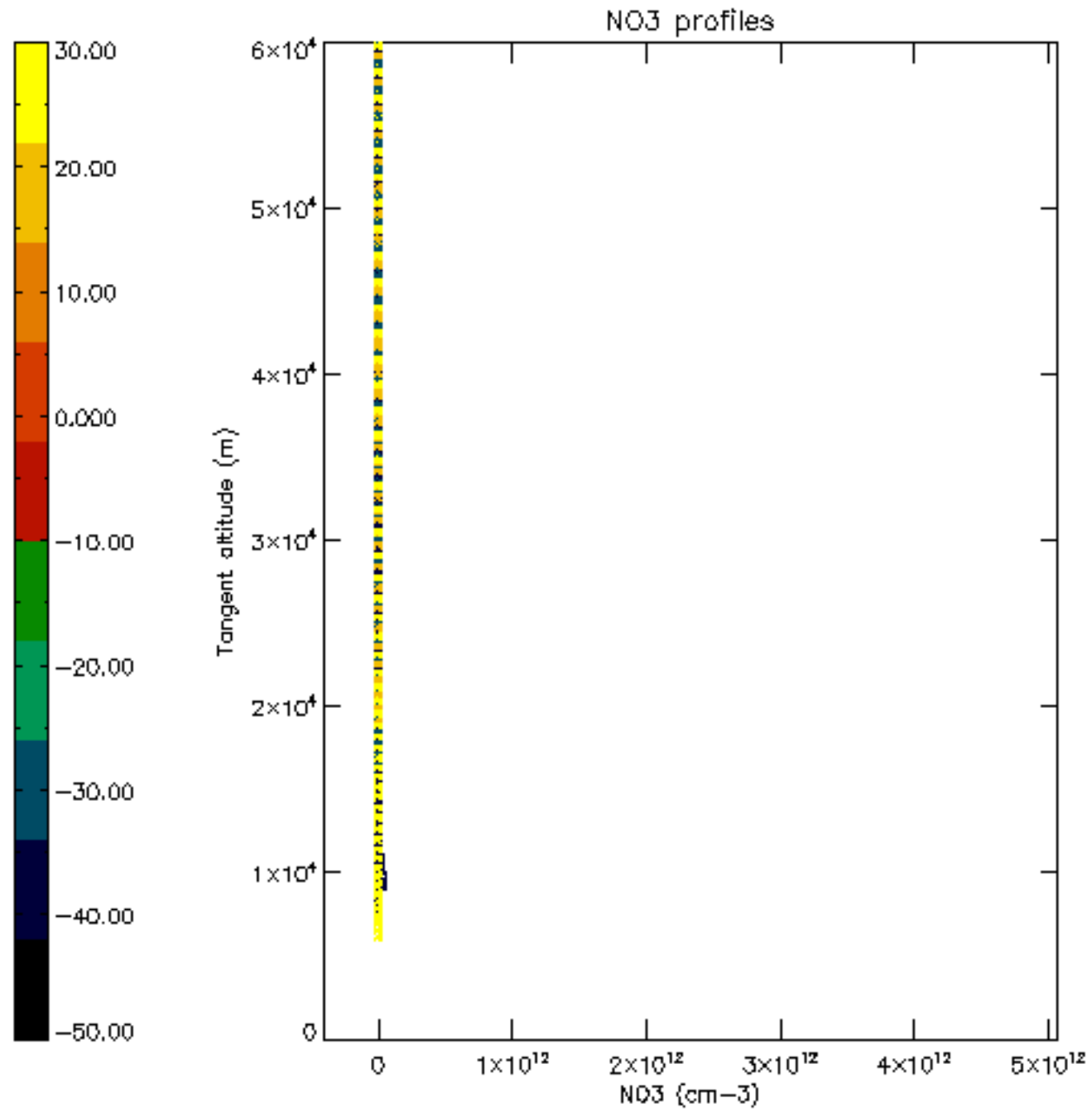


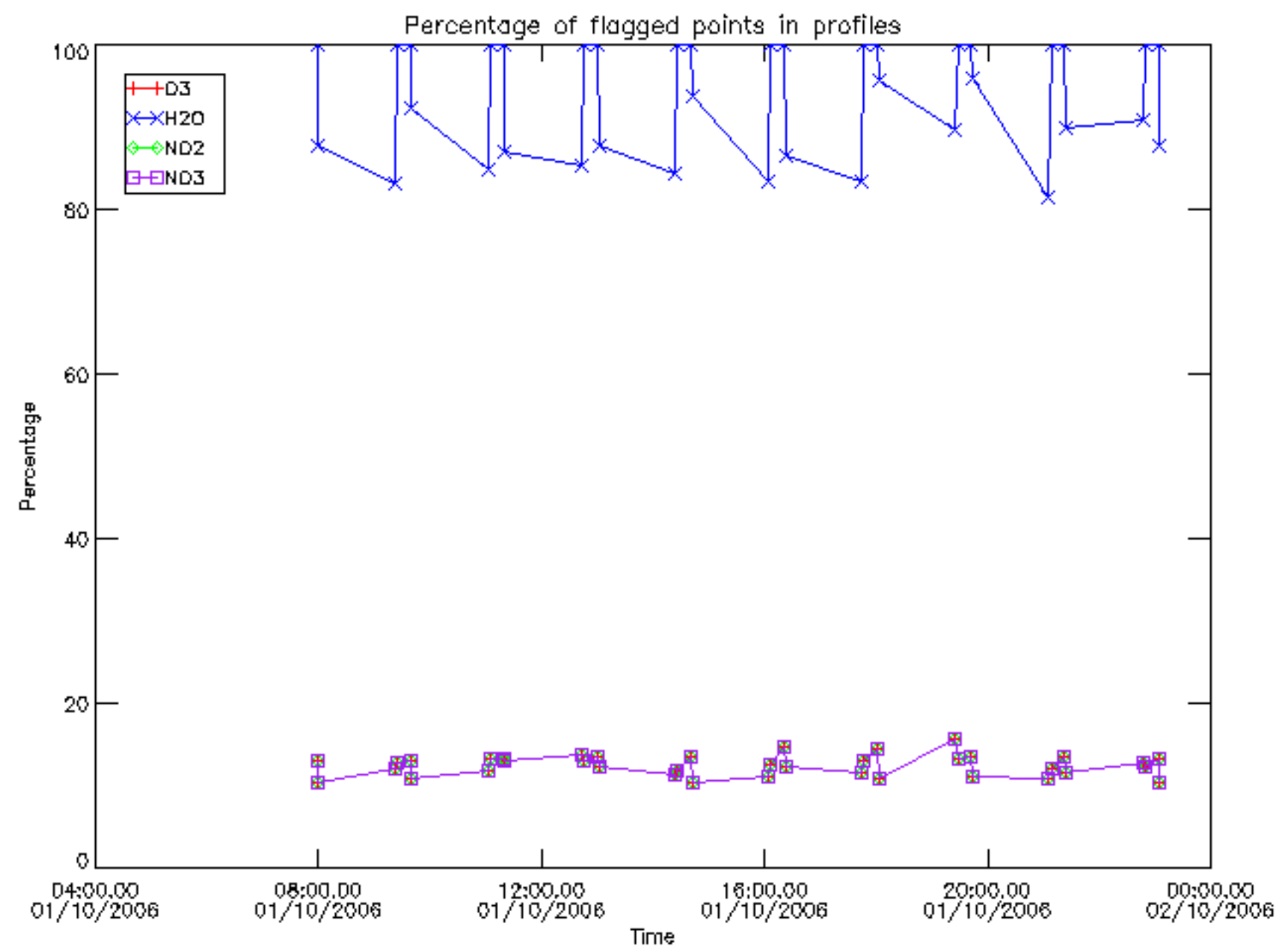




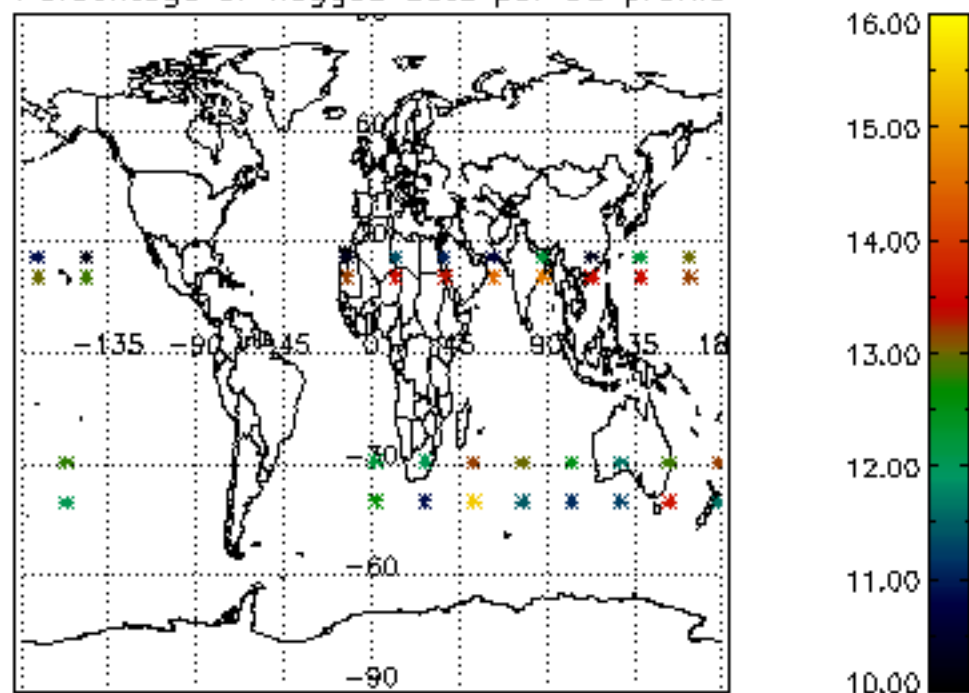




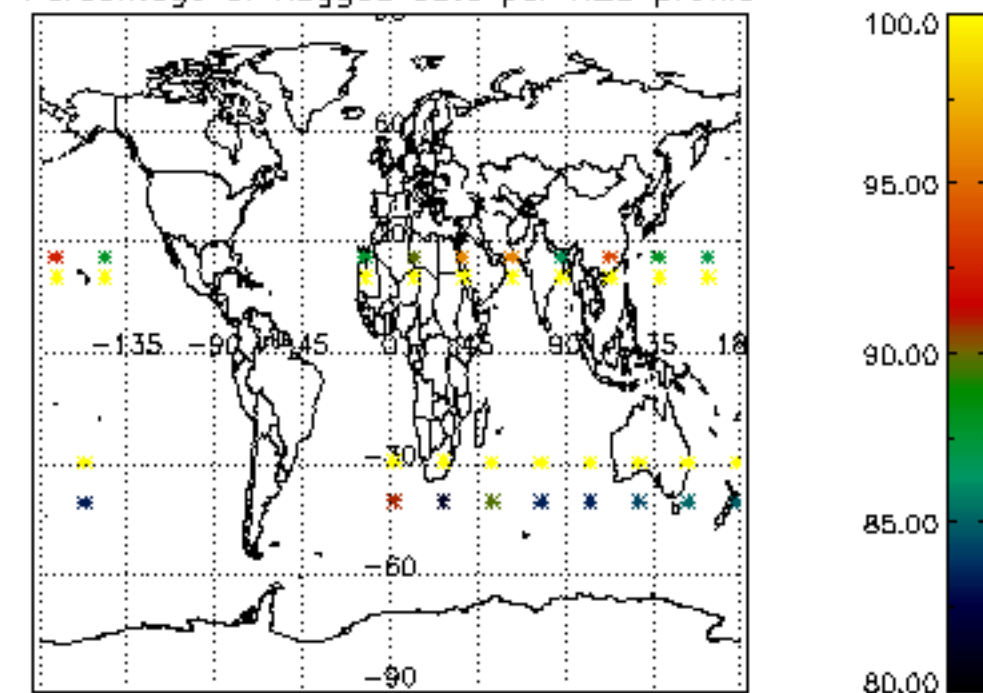




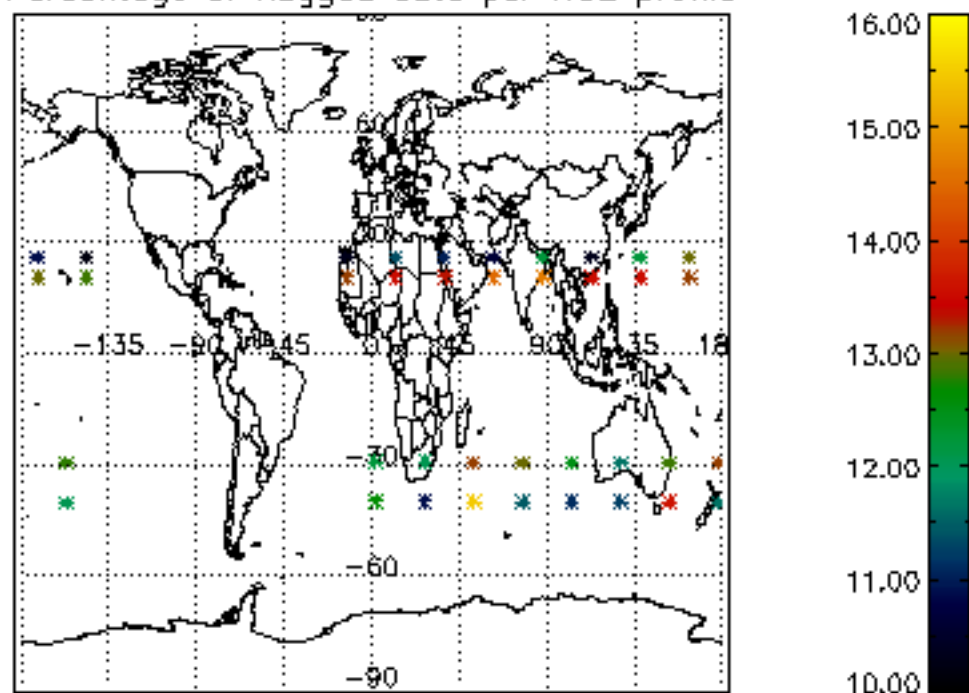
Percentage of flagged data per D3 profile



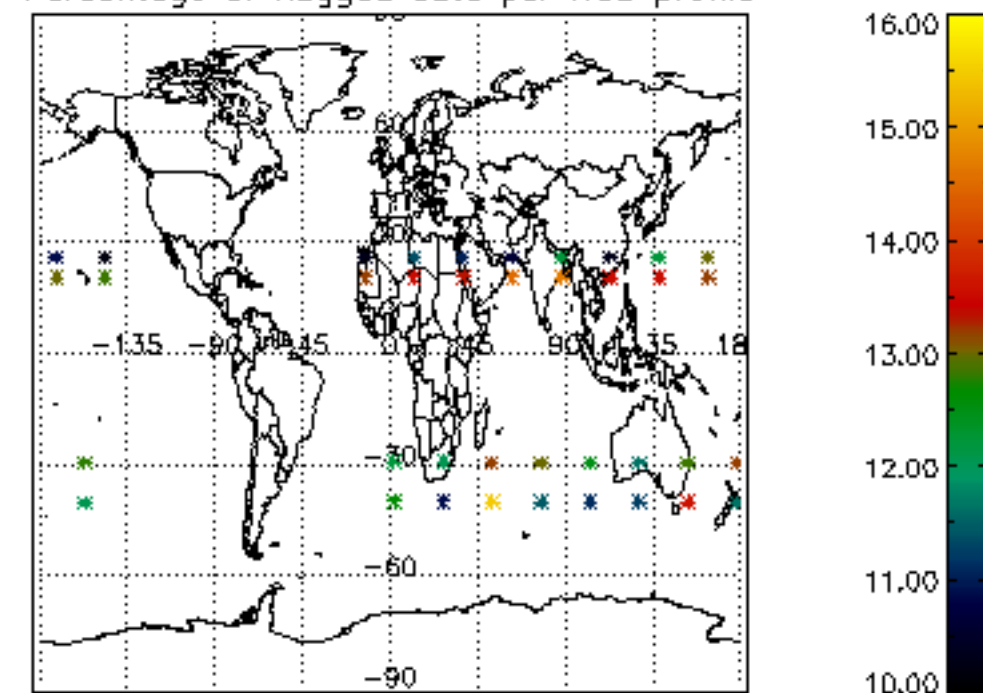
Percentage of flagged data per H2O profile

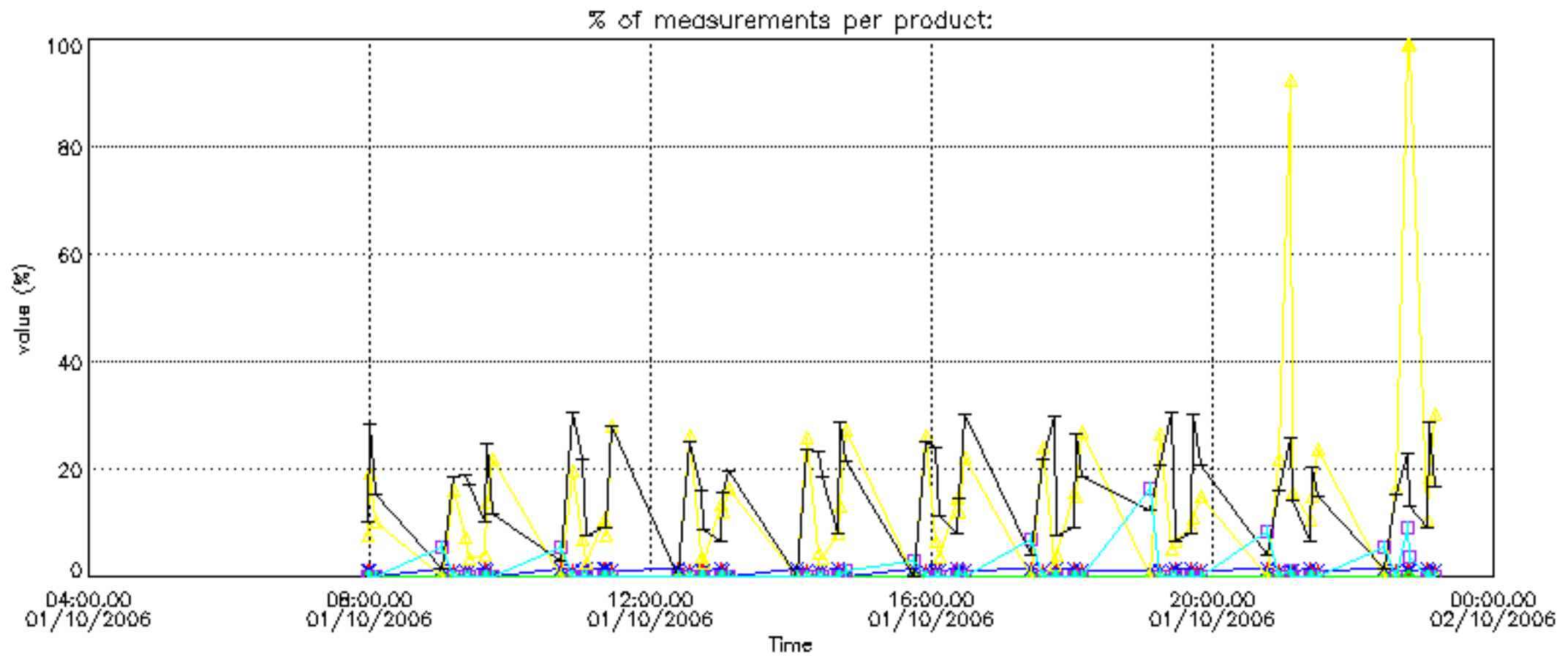


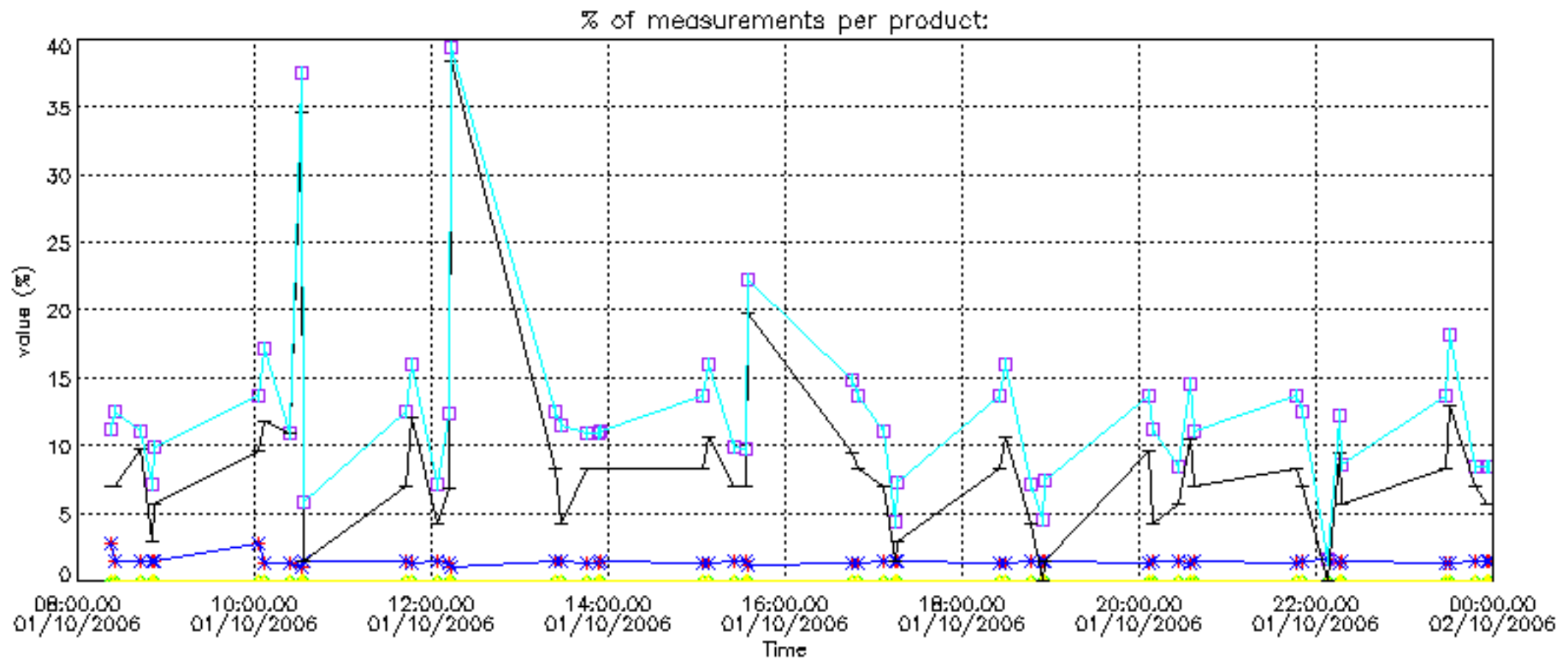
Percentage of flagged data per NO2 profile



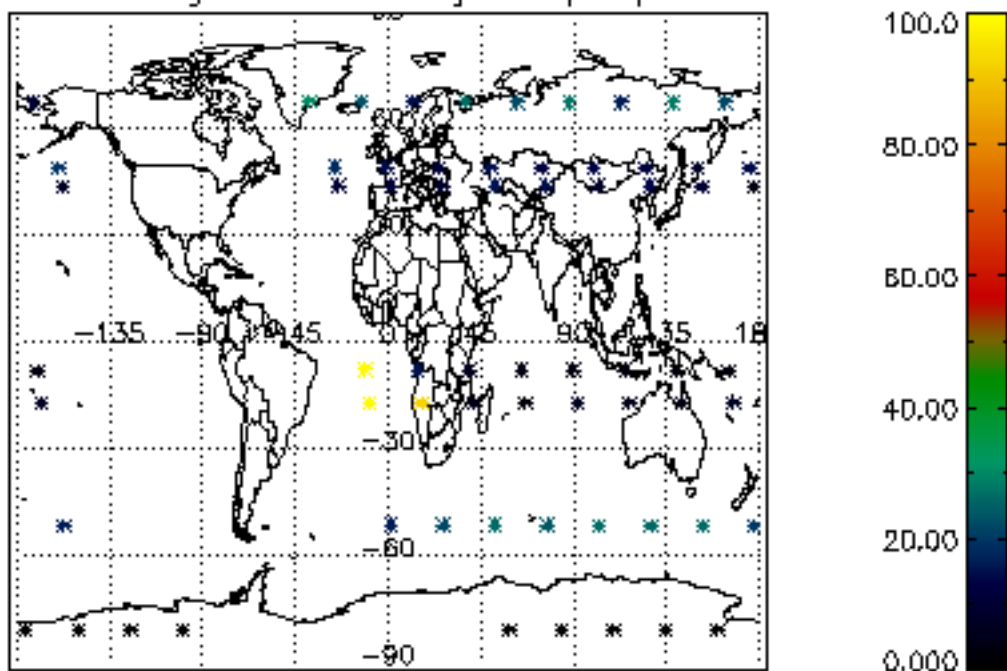
Percentage of flagged data per NO3 profile



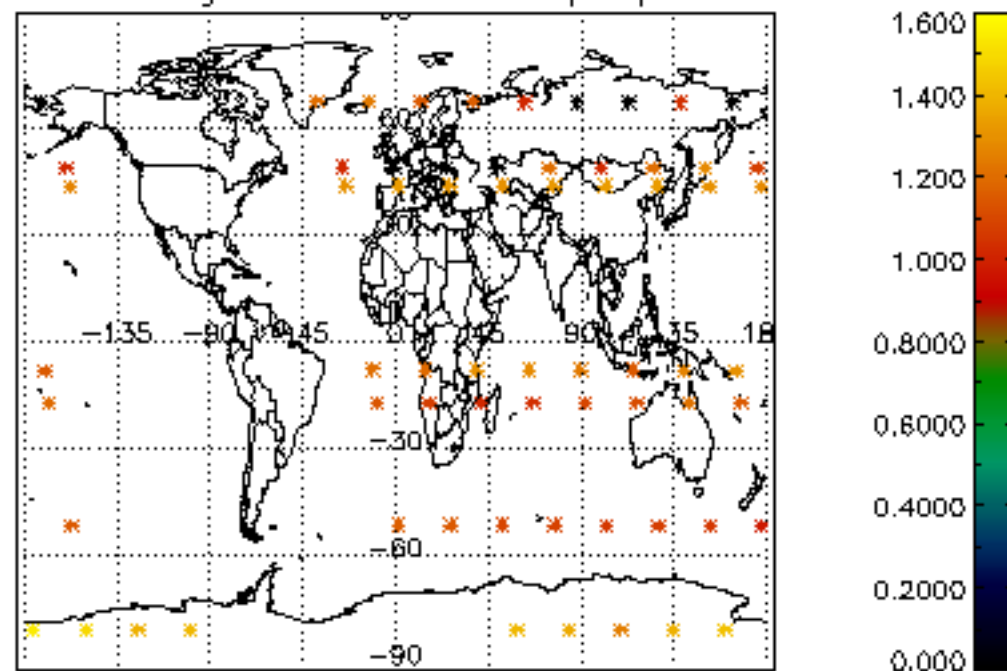




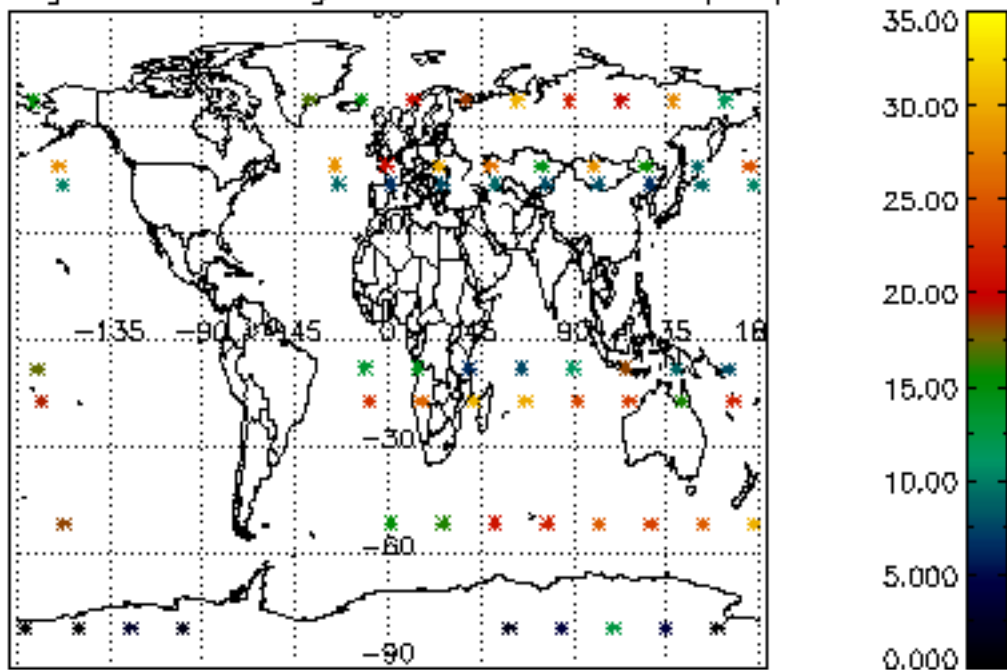
Percentage of cosmic ray hits per profile



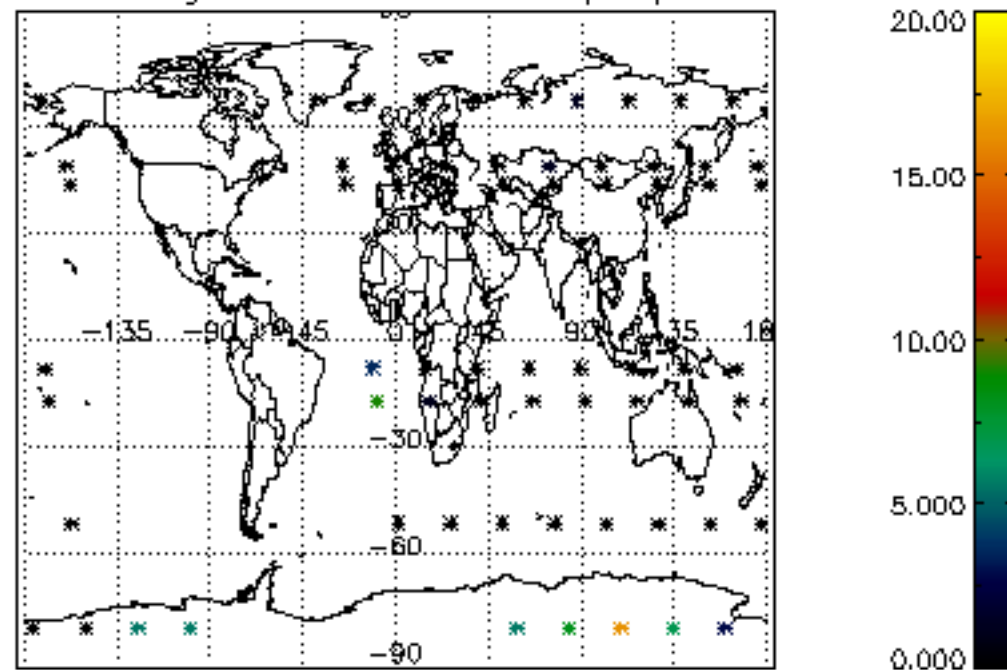
Percentage of datation errors per profile



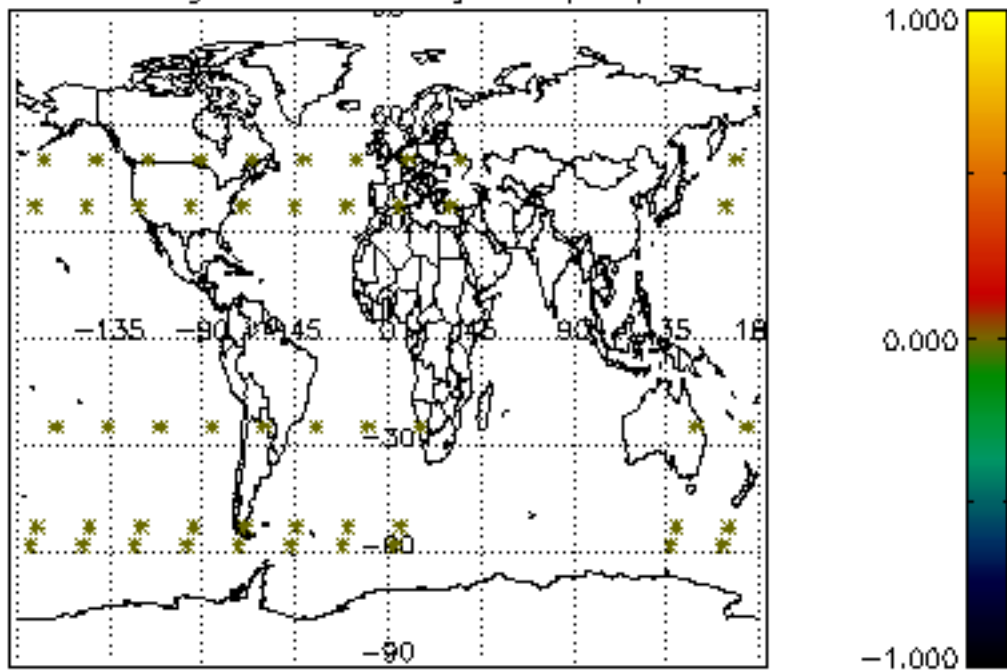
Percentage of star falling outside central band per profile



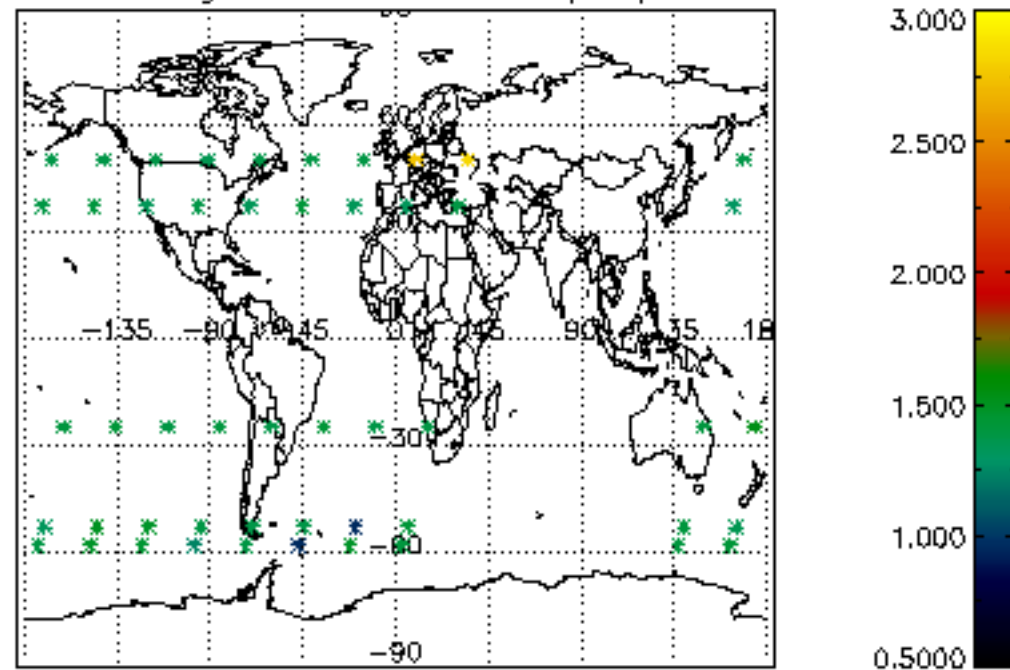
Percentage of saturation errors per profile



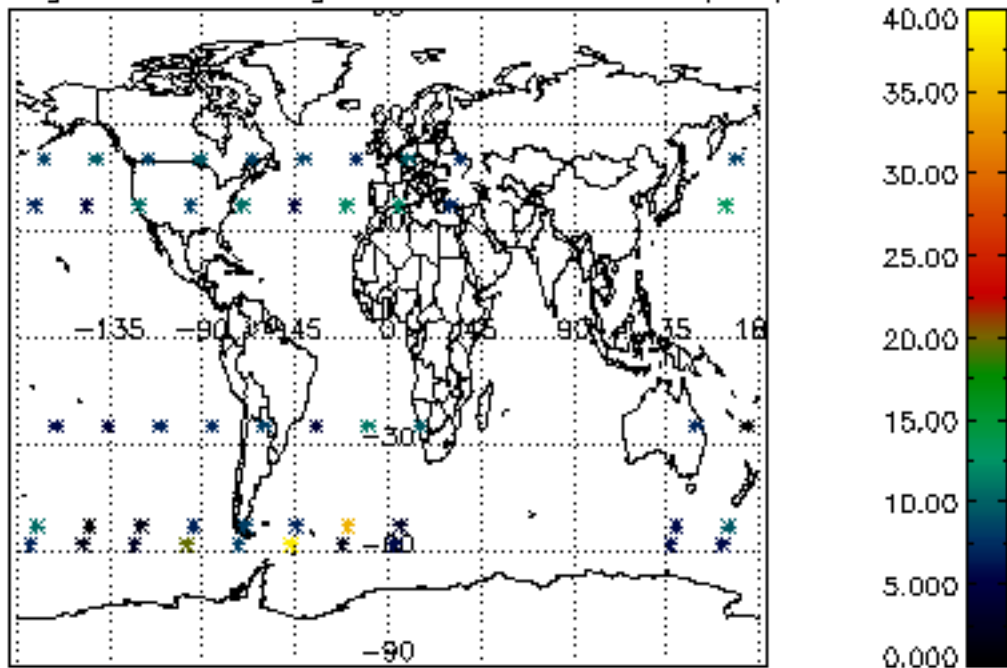
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

