

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 06:08:00
Data source version	GOMOS/6.01
Start time of products	30-11-2006 (30NOV2006 00:00:00)
Stop time of products	01-12-2006 (01DEC2006 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	108
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__2PRFIN20061130_162450_000000382053_00241_24844_1443.N1	30-NOV-2006 16:24:50	Dark	37.500	113	Mu Vel	2.6920	5000.0	75	24844	No
2	GOM_NL__2PRFIN20061130_162650_000000332053_00241_24844_1444.N1	30-NOV-2006 16:26:50	Dark	32.500	124	The Car	2.7640	30000.	65	24844	No
3	GOM_NL__2PRFIN20061130_162937_000000342053_00241_24844_1445.N1	30-NOV-2006 16:29:37	Dark	33.500	29	Bet Car	1.6720	10200.	67	24844	No
4	GOM_NL__2PRFIN20061130_163129_000000392053_00241_24844_1446.N1	30-NOV-2006 16:31:29	Dark	38.500	41	Eps Car	1.8600	4100.0	77	24844	No
5	GOM_NL__2PRFIN20061130_163651_000000472053_00241_24844_1447.N1	30-NOV-2006 16:36:51	Dark	47.000	2	Alp Car	-0.73600	7000.0	94	24844	No
6	GOM_NL__2PRFIN20061130_165107_000000402053_00241_24844_1448.N1	30-NOV-2006 16:51:07	Straylight	39.500	165	34Gam Eri	2.9500	3200.0	79	24844	No
7	GOM_NL__2PRFIN20061130_165628_000000392053_00241_24844_1449.N1	30-NOV-2006 16:56:28	Twilight	38.500	94	92Alp Cet	2.5260	3100.0	77	24844	No
8	GOM_NL__2PRFIN20061130_170218_000000332053_00241_24844_1450.N1	30-NOV-2006 17:02:18	Bright	32.500	146	25Eta Tau	2.8730	15200.	65	24844	No
9	GOM_NL__2PRFIN20061130_170441_000000322053_00241_24844_1451.N1	30-NOV-2006 17:04:41	Bright	32.000	150	44Zet Per	2.8900	28000.	64	24844	No
10	GOM_NL__2PRFIN20061130_170654_000000302053_00241_24844_1452.N1	30-NOV-2006 17:06:54	Bright	30.000	79	26Bet Per	2.3100	13100.	60	24844	No
11	GOM_NL__2PRFIN20061130_170908_000000312053_00241_24844_1453.N1	30-NOV-2006 17:09:08	Bright	30.500	175	39Del Per	3.0100	19400.	61	24844	No
12	GOM_NL__2PRFIN20061130_171026_000000312053_00241_24844_1454.N1	30-NOV-2006 17:10:26	Bright	30.500	160	23Gam Per	2.9300	4700.0	61	24844	No
13	GOM_NL__2PRFIN20061130_172030_000000302053_00241_24844_1455.N1	30-NOV-2006 17:20:30	Bright	29.500	49	1Alp UMi	1.9900	6300.0	59	24844	No
14	GOM_NL__2PRFIN20061130_172509_000000302053_00241_24844_1456.N1	30-NOV-2006 17:25:09	Bright	30.000	60	7Bet UMi	2.0810	3950.0	60	24844	No
15	GOM_NL__2PRFIN20061130_173024_000000322053_00241_24844_1457.N1	30-NOV-2006 17:30:24	Bright	32.000	32	77Eps UMa	1.7630	11000.	64	24844	No
16	GOM_NL__2PRFIN20061130_173227_000000292053_00241_24844_1458.N1	30-NOV-2006 17:32:27	Bright	29.000	39	85Eta UMa	1.8540	24000.	58	24844	No
17	GOM_NL__2PRFIN20061130_173520_000000302053_00241_24844_1459.N1	30-NOV-2006 17:35:20	Bright	29.500	180	27Gam Boo	3.0400	8000.0	59	24844	No
18	GOM_NL__2PRFIN20061130_174052_000000292053_00241_24844_1460.N1	30-NOV-2006 17:40:52	Bright	29.000	3	16Alp Boo	-0.050000	4250.0	58	24844	No
19	GOM_NL__2PRFIN20061130_174426_000000362053_00241_24844_1461.N1	30-NOV-2006 17:44:26	Bright	35.500	138	47Eps Vir	2.8280	4700.0	71	24844	No
20	GOM_NL__2PRFIN20061130_175012_000000342053_00241_24844_1462.N1	30-NOV-2006 17:50:12	Bright	33.500	15	67Alp Vir	0.97600	28000.	67	24844	No
21	GOM_NL__2PRFIN20061130_175329_000000362053_00241_24844_1463.N1	30-NOV-2006 17:53:29	Twilight	36.000	163	7Del Crv	2.9450	11000.	72	24844	No
22	GOM_NL__2PRFIN20061130_175507_000000372053_00241_24844_1464.N1	30-NOV-2006 17:55:07	Twilight	37.000	106	9Bet Crv	2.6480	5600.0	74	24844	No
23	GOM_NL__2PRFIN20061130_175708_000000322053_00241_24844_1465.N1	30-NOV-2006 17:57:08	Dark	32.000	123	lot Cen	2.7500	10200.	64	24844	No
24	GOM_NL__2PRFIN20061130_180317_000000402053_00241_24844_1466.N1	30-NOV-2006 18:03:17	Dark	40.000	26	Gam Cru	1.6240	2900.0	80	24844	No
25	GOM_NL__2PRFIN20061130_180527_000000372053_00242_24845_1442.N1	30-NOV-2006 18:05:27	Dark	37.000	113	Mu Vel	2.6920	5000.0	74	24845	No
26	GOM_NL__2PRFIN20061130_180726_000000332053_00242_24845_1443.N1	30-NOV-2006 18:07:26	Dark	32.500	124	The Car	2.7640	30000.	65	24845	No
27	GOM_NL__2PRFIN20061130_181013_000000342053_00242_24845_1444.N1	30-NOV-2006 18:10:13	Dark	33.500	29	Bet Car	1.6720	10200.	67	24845	No
28	GOM_NL__2PRFIN20061130_181205_000000362053_00242_24845_1445.N1	30-NOV-2006 18:12:05	Dark	36.000	41	Eps Car	1.8600	4100.0	72	24845	No
29	GOM_NL__2PRFIN20061130_181728_000000522053_00242_24845_1446.N1	30-NOV-2006 18:17:28	Dark	51.500	2	Alp Car	-0.73600	7000.0	103	24845	No
30	GOM_NL__2PRFIN20061130_183143_000000382053_00242_24845_1447.N1	30-NOV-2006 18:31:43	Straylight	38.000	165	34Gam Eri	2.9500	3200.0	76	24845	No
31	GOM_NL__2PRFIN20061130_183704_000000462053_00242_24845_1448.N1	30-NOV-2006 18:37:04	Twilight	45.500	94	92Alp Cet	2.5260	3100.0	91	24845	No
32	GOM_NL__2PRFIN20061130_184254_000000312053_00242_24845_1449.N1	30-NOV-2006 18:42:54	Bright	30.500	146	25Eta Tau	2.8730	15200.	61	24845	No
33	GOM_NL__2PRFIN20061130_184517_000000322053_00242_24845_1450.N1	30-NOV-2006 18:45:17	Bright	32.000	150	44Zet Per	2.8900	28000.	64	24845	No
34	GOM_NL__2PRFIN20061130_184730_000000312053_00242_24845_1451.N1	30-NOV-2006 18:47:30	Bright	30.500	79	26Bet Per	2.3100	13100.	61	24845	No
35	GOM_NL__2PRFIN20061130_184944_000000312053_00242_24845_1452.N1	30-NOV-2006 18:49:44	Bright	30.500	175	39Del Per	3.0100	19400.	61	24845	No
36	GOM_NL__2PRFIN20061130_185103_000000302053_00242_24845_1453.N1	30-NOV-2006 18:51:03	Bright	29.500	160	23Gam Per	2.9300	4700.0	59	24845	No
37	GOM_NL__2PRFIN20061130_190106_000000312053_00242_24845_1454.N1	30-NOV-2006 19:01:06	Bright	30.500	49	1Alp UMi	1.9900	6300.0	61	24845	No
38	GOM_NL__2PRFIN20061130_190545_000000312053_00242_24845_1455.N1	30-NOV-2006 19:05:45	Bright	30.500	60	7Bet UMi	2.0810	3950.0	61	24845	No
39	GOM_NL__2PRFIN20061130_191100_000000342053_00242_24845_1456.N1	30-NOV-2006 19:11:00	Bright	34.000	32	77Eps UMa	1.7630	11000.	68	24845	No
40	GOM_NL__2PRFIN20061130_191303_000000412053_00242_24845_1457.N1	30-NOV-2006 19:13:03	Bright	41.000	39	85Eta UMa	1.8540	24000.	82	24845	No
41	GOM_NL__2PRFIN20061130_191556_000000282053_00242_24845_1458.N1	30-NOV-2006 19:15:56	Bright	28.000	180	27Gam Boo	3.0400	8000.0	56	24845	No
42	GOM_NL__2PRFIN20061130_192128_000000292053_00242_24845_1459.N1	30-NOV-2006 19:21:28	Bright	28.500	3	16Alp Boo	-0.050000	4250.0	57	24845	No

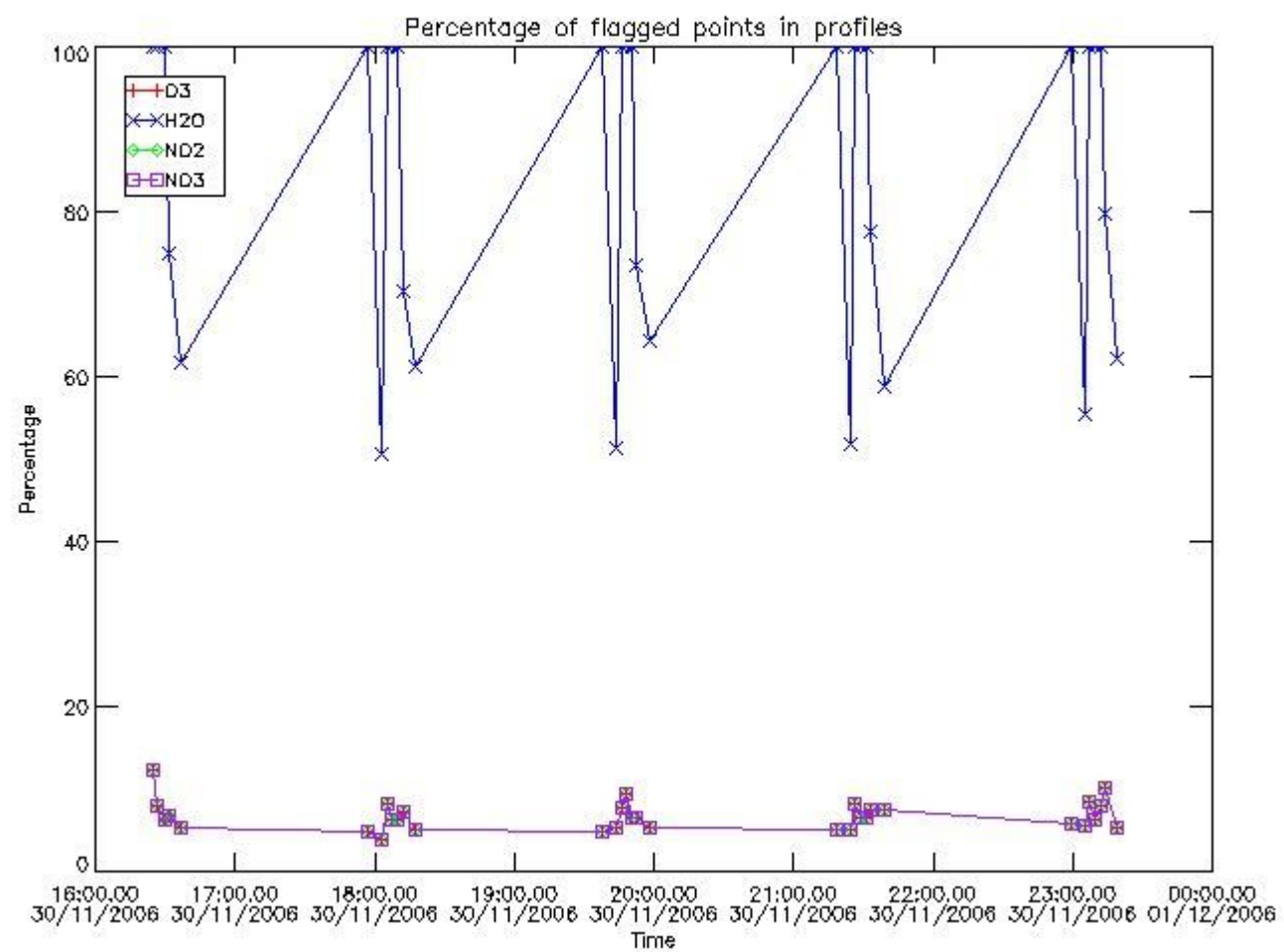
43	GOM_NL__2PRFIN20061130_192502_000000322053_00242_24845_1460.N1	30-NOV-2006 19:25:02	Bright	31.500	138	47Eps Vir	2.8280	4700.0	63	24845	No
44	GOM_NL__2PRFIN20061130_193049_000000342053_00242_24845_1461.N1	30-NOV-2006 19:30:49	Bright	33.500	15	67Alp Vir	0.97600	28000.	67	24845	No
45	GOM_NL__2PRFIN20061130_193406_000000392053_00242_24845_1462.N1	30-NOV-2006 19:34:06	Twilight	39.000	163	7Del Crv	2.9450	11000.	78	24845	No
46	GOM_NL__2PRFIN20061130_193543_000000372053_00242_24845_1463.N1	30-NOV-2006 19:35:43	Twilight	36.500	106	9Bet Crv	2.6480	5600.0	73	24845	No
47	GOM_NL__2PRFIN20061130_193744_000000332053_00242_24845_1464.N1	30-NOV-2006 19:37:44	Dark	32.500	123	1ot Cen	2.7500	10200.	65	24845	No
48	GOM_NL__2PRFIN20061130_194353_000000402053_00242_24845_1465.N1	30-NOV-2006 19:43:53	Dark	39.500	26	Gam Cru	1.6240	2900.0	79	24845	No
49	GOM_NL__2PRFIN20061130_194604_000000402053_00243_24846_1461.N1	30-NOV-2006 19:46:04	Dark	39.500	113	Mu Vel	2.6920	5000.0	79	24846	No
50	GOM_NL__2PRFIN20061130_194802_000000332053_00243_24846_1462.N1	30-NOV-2006 19:48:02	Dark	33.000	124	The Car	2.7640	30000.	66	24846	No
51	GOM_NL__2PRFIN20061130_195050_000000322053_00243_24846_1463.N1	30-NOV-2006 19:50:50	Dark	32.000	29	Bet Car	1.6720	10200.	64	24846	No
52	GOM_NL__2PRFIN20061130_195242_000000402053_00243_24846_1464.N1	30-NOV-2006 19:52:42	Dark	40.000	41	Eps Car	1.8600	4100.0	80	24846	No
53	GOM_NL__2PRFIN20061130_195804_000000502053_00243_24846_1465.N1	30-NOV-2006 19:58:04	Dark	49.500	2	Alp Car	-0.73600	7000.0	99	24846	No
54	GOM_NL__2PRFIN20061130_201219_000000402053_00243_24846_1466.N1	30-NOV-2006 20:12:19	Straylight	39.500	165	34Gam Eri	2.9500	3200.0	79	24846	No
55	GOM_NL__2PRFIN20061130_201740_000000432053_00243_24846_1467.N1	30-NOV-2006 20:17:40	Twilight	42.500	94	92Alp Cet	2.5260	3100.0	85	24846	No
56	GOM_NL__2PRFIN20061130_202330_000000332053_00243_24846_1468.N1	30-NOV-2006 20:23:30	Bright	32.500	146	25Eta Tau	2.8730	15200.	65	24846	No
57	GOM_NL__2PRFIN20061130_202552_000000322053_00243_24846_1469.N1	30-NOV-2006 20:25:52	Bright	31.500	150	44Zet Per	2.8900	28000.	63	24846	No
58	GOM_NL__2PRFIN20061130_202805_000000302053_00243_24846_1470.N1	30-NOV-2006 20:28:05	Bright	30.000	79	26Bet Per	2.3100	13100.	60	24846	No
59	GOM_NL__2PRFIN20061130_203020_000000312053_00243_24846_1471.N1	30-NOV-2006 20:30:20	Bright	30.500	175	39Del Per	3.0100	19400.	61	24846	No
60	GOM_NL__2PRFIN20061130_203138_000000302053_00243_24846_1472.N1	30-NOV-2006 20:31:38	Bright	30.000	160	23Gam Per	2.9300	4700.0	60	24846	No
61	GOM_NL__2PRFIN20061130_204142_000000302053_00243_24846_1473.N1	30-NOV-2006 20:41:42	Bright	29.500	49	1Alp UMi	1.9900	6300.0	59	24846	No
62	GOM_NL__2PRFIN20061130_204621_000000312053_00243_24846_1474.N1	30-NOV-2006 20:46:21	Bright	31.000	60	7Bet UMi	2.0810	3950.0	62	24846	No
63	GOM_NL__2PRFIN20061130_205136_000000302053_00243_24846_1475.N1	30-NOV-2006 20:51:36	Bright	30.000	32	77Eps UMa	1.7630	11000.	60	24846	No
64	GOM_NL__2PRFIN20061130_205339_000000302053_00243_24846_1476.N1	30-NOV-2006 20:53:39	Bright	29.500	39	85Eta UMa	1.8540	24000.	59	24846	No
65	GOM_NL__2PRFIN20061130_205632_000000302053_00243_24846_1477.N1	30-NOV-2006 20:56:32	Bright	29.500	180	27Gam Boo	3.0400	8000.0	59	24846	No
66	GOM_NL__2PRFIN20061130_210204_000000292053_00243_24846_1478.N1	30-NOV-2006 21:02:04	Bright	28.500	3	16Alp Boo	-0.050000	4250.0	57	24846	No
67	GOM_NL__2PRFIN20061130_210538_000000342053_00243_24846_1479.N1	30-NOV-2006 21:05:38	Bright	33.500	138	47Eps Vir	2.8280	4700.0	67	24846	No
68	GOM_NL__2PRFIN20061130_211125_000000312053_00243_24846_1480.N1	30-NOV-2006 21:11:25	Bright	31.000	15	67Alp Vir	0.97600	28000.	62	24846	No
69	GOM_NL__2PRFIN20061130_211442_000000392053_00243_24846_1481.N1	30-NOV-2006 21:14:42	Twilight	39.000	163	7Del Crv	2.9450	11000.	78	24846	No
70	GOM_NL__2PRFIN20061130_211620_000000402053_00243_24846_1482.N1	30-NOV-2006 21:16:20	Twilight	39.500	106	9Bet Crv	2.6480	5600.0	79	24846	No
71	GOM_NL__2PRFIN20061130_211820_000000312053_00243_24846_1483.N1	30-NOV-2006 21:18:20	Dark	30.500	123	1ot Cen	2.7500	10200.	61	24846	No
72	GOM_NL__2PRFIN20061130_212430_000000412053_00243_24846_1484.N1	30-NOV-2006 21:24:30	Dark	41.000	26	Gam Cru	1.6240	2900.0	82	24846	No
73	GOM_NL__2PRFIN20061130_212640_000000372053_00244_24847_1460.N1	30-NOV-2006 21:26:40	Dark	37.000	113	Mu Vel	2.6920	5000.0	74	24847	No
74	GOM_NL__2PRFIN20061130_212839_000000322053_00244_24847_1461.N1	30-NOV-2006 21:28:39	Dark	32.000	124	The Car	2.7640	30000.	64	24847	No
75	GOM_NL__2PRFIN20061130_213126_000000322053_00244_24847_1462.N1	30-NOV-2006 21:31:26	Dark	32.000	29	Bet Car	1.6720	10200.	64	24847	No
76	GOM_NL__2PRFIN20061130_213319_000000342053_00244_24847_1463.N1	30-NOV-2006 21:33:19	Dark	34.000	41	Eps Car	1.8600	4100.0	68	24847	No
77	GOM_NL__2PRFIN20061130_213841_000000412053_00244_24847_1464.N1	30-NOV-2006 21:38:41	Dark	40.500	2	Alp Car	-0.73600	7000.0	81	24847	No
78	GOM_NL__2PRFIN20061130_215255_000000392053_00244_24847_1465.N1	30-NOV-2006 21:52:55	Straylight	38.500	165	34Gam Eri	2.9500	3200.0	77	24847	No
79	GOM_NL__2PRFIN20061130_215816_000000422053_00244_24847_1466.N1	30-NOV-2006 21:58:16	Twilight	42.000	94	92Alp Cet	2.5260	3100.0	84	24847	No
80	GOM_NL__2PRFIN20061130_220406_000000322053_00244_24847_1467.N1	30-NOV-2006 22:04:06	Bright	32.000	146	25Eta Tau	2.8730	15200.	64	24847	No
81	GOM_NL__2PRFIN20061130_220628_000000322053_00244_24847_1468.N1	30-NOV-2006 22:06:28	Bright	31.500	150	44Zet Per	2.8900	28000.	63	24847	No
82	GOM_NL__2PRFIN20061130_220841_000000312053_00244_24847_1469.N1	30-NOV-2006 22:08:41	Bright	30.500	79	26Bet Per	2.3100	13100.	61	24847	No
83	GOM_NL__2PRFIN20061130_221055_000000302053_00244_24847_1470.N1	30-NOV-2006 22:10:55	Bright	30.000	175	39Del Per	3.0100	19400.	60	24847	No
84	GOM_NL__2PRFIN20061130_221214_000000332053_00244_24847_1471.N1	30-NOV-2006 22:12:14	Bright	32.500	160	23Gam Per	2.9300	4700.0	65	24847	No
85	GOM_NL__2PRFIN20061130_222218_000000312053_00244_24847_1472.N1	30-NOV-2006 22:22:18	Bright	30.500	49	1Alp UMi	1.9900	6300.0	61	24847	No
86	GOM_NL__2PRFIN20061130_222657_000000272053_00244_24847_1473.N1	30-NOV-2006 22:26:57	Bright	27.000	60	7Bet UMi	2.0810	3950.0	54	24847	No
87	GOM_NL__2PRFIN20061130_223211_000000342053_00244_24847_1474.N1	30-NOV-2006 22:32:11	Bright	34.000	32	77Eps UMa	1.7630	11000.	68	24847	No
88	GOM_NL__2PRFIN20061130_223414_000000312053_00244_24847_1475.N1	30-NOV-2006 22:34:14	Bright	31.000	39	85Eta UMa	1.8540	24000.	62	24847	No
89	GOM_NL__2PRFIN20061130_223708_000000282053_00244_24847_1476.N1	30-NOV-2006 22:37:08	Bright	28.000	180	27Gam Boo	3.0400	8000.0	56	24847	No
90	GOM_NL__2PRFIN20061130_224240_000000272053_00244_24847_1477.N1	30-NOV-2006 22:42:40	Bright	27.000	3	16Alp Boo	-0.050000	4250.0	54	24847	No
91	GOM_NL__2PRFIN20061130_224615_000000342053_00244_24847_1478.N1	30-NOV-2006 22:46:15	Bright	34.000	138	47Eps Vir	2.8280	4700.0	68	24847	No
92	GOM_NL__2PRFIN20061130_225201_000000432053_00244_24847_1479.N1	30-NOV-2006 22:52:01	Bright	42.500	15	67Alp Vir	0.97600	28000.	85	24847	No
93	GOM_NL__2PRFIN20061130_225518_000000362053_00244_24847_1480.N1	30-NOV-2006 22:55:18	Twilight	36.000	163	7Del Crv	2.9450	11000.	72	24847	No
94	GOM_NL__2PRFIN20061130_225656_000000352053_00244_24847_1481.N1	30-NOV-2006 22:56:56	Twilight	35.000	106	9Bet Crv	2.6480	5600.0	70	24847	No
95	GOM_NL__2PRFIN20061130_225856_000000362053_00244_24847_1482.N1	30-NOV-2006 22:58:56	Dark	35.500	123	1ot Cen	2.7500	10200.	71	24847	No
96	GOM_NL__2PRFIN20061130_230506_000000382053_00244_24847_1483.N1	30-NOV-2006 23:05:06	Dark	37.500	26	Gam Cru	1.6240	2900.0	75	24847	No
97	GOM_NL__2PRFIN20061130_230717_000000362053_00245_24848_1459.N1	30-NOV-2006 23:07:17	Dark	36.000	113	Mu Vel	2.6920	5000.0	72	24848	No
98	GOM_NL__2PRFIN20061130_230915_000000332053_00245_24848_1460.N1	30-NOV-2006 23:09:15	Dark	33.000	124	The Car	2.7640	30000.	66	24848	No
99	GOM_NL__2PRFIN20061130_231202_000000332053_00245_24848_1461.N1	30-NOV-2006 23:12:02	Dark	32.500	29	Bet Car	1.6720	10200.	65	24848	No
100	GOM_NL__2PRFIN20061130_231355_000000352053_00245_24848_1462.N1	30-NOV-2006 23:13:55	Dark	35.000	41	Eps Car	1.8600	4100.0	70	24848	No
101	GOM_NL__2PRFIN20061130_231917_000000502053_00245_24848_1463.N1	30-NOV-2006 23:19:17	Dark	49.500	2	Alp Car	-0.73600	7000.0	99	24848	No

102	GOM_NL__2PRFIN20061130_233331_000000392053_00245_24848_1464.N1	30-NOV-2006 23:33:31	Straylight	38.500	165	34Gam Eri	2.9500	3200.0	77	24848	No
103	GOM_NL__2PRFIN20061130_233852_000000412053_00245_24848_1465.N1	30-NOV-2006 23:38:52	Twilight_stray	41.000	94	92Alp Cet	2.5260	3100.0	82	24848	No
104	GOM_NL__2PRFIN20061130_234441_000000322053_00245_24848_1466.N1	30-NOV-2006 23:44:41	Bright	32.000	146	25Eta Tau	2.8730	15200.	64	24848	No
105	GOM_NL__2PRFIN20061130_234703_000000332053_00245_24848_1467.N1	30-NOV-2006 23:47:03	Bright	33.000	150	44Zet Per	2.8900	28000.	66	24848	No
106	GOM_NL__2PRFIN20061130_234917_000000312053_00245_24848_1468.N1	30-NOV-2006 23:49:17	Bright	31.000	79	26Bet Per	2.3100	13100.	62	24848	No
107	GOM_NL__2PRFIN20061130_235131_000000302053_00245_24848_1469.N1	30-NOV-2006 23:51:31	Bright	29.500	175	39Del Per	3.0100	19400.	59	24848	No
108	GOM_NL__2PRFIN20061130_235250_000000302053_00245_24848_1470.N1	30-NOV-2006 23:52:50	Bright	30.000	160	23Gam Per	2.9300	4700.0	60	24848	No

3. Quality information per product

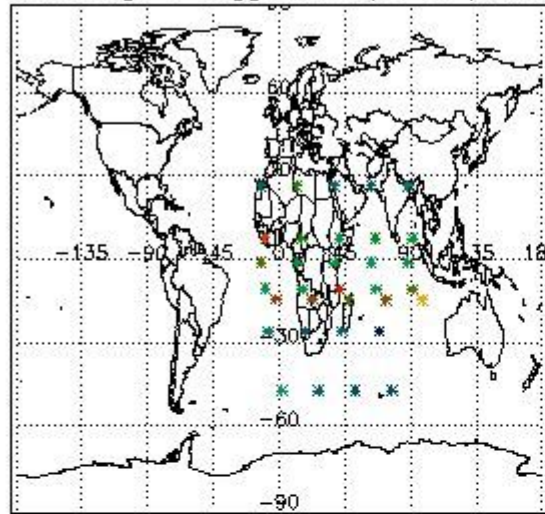
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

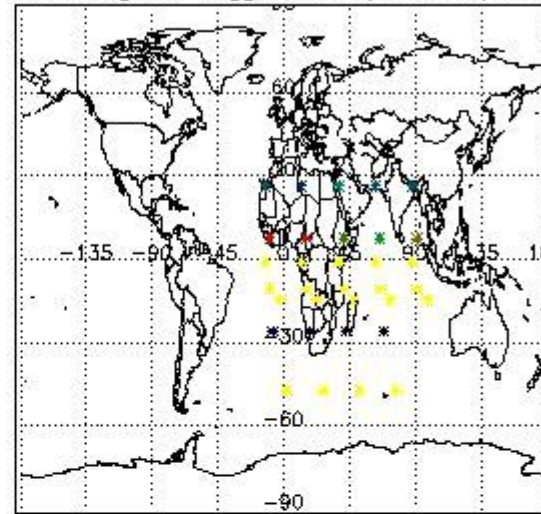


3.2 Plot quality information per product (world map)

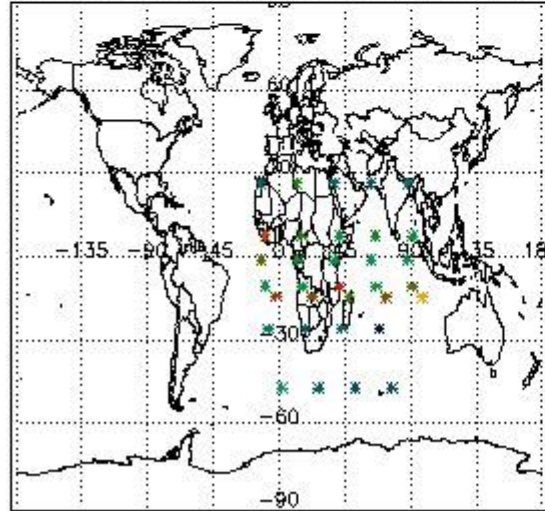
Percentage of flagged data per O3 profile



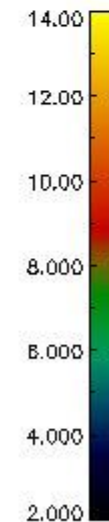
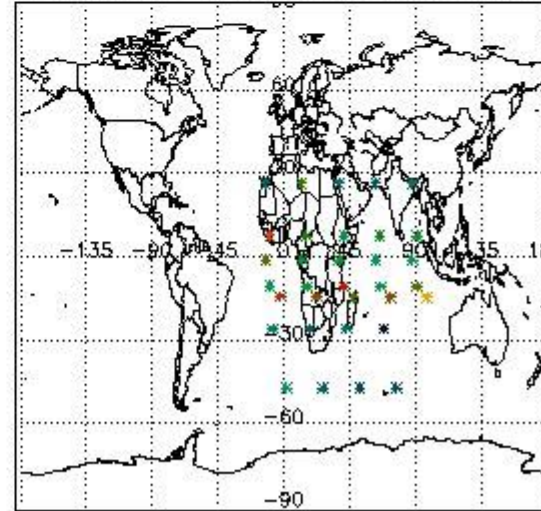
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

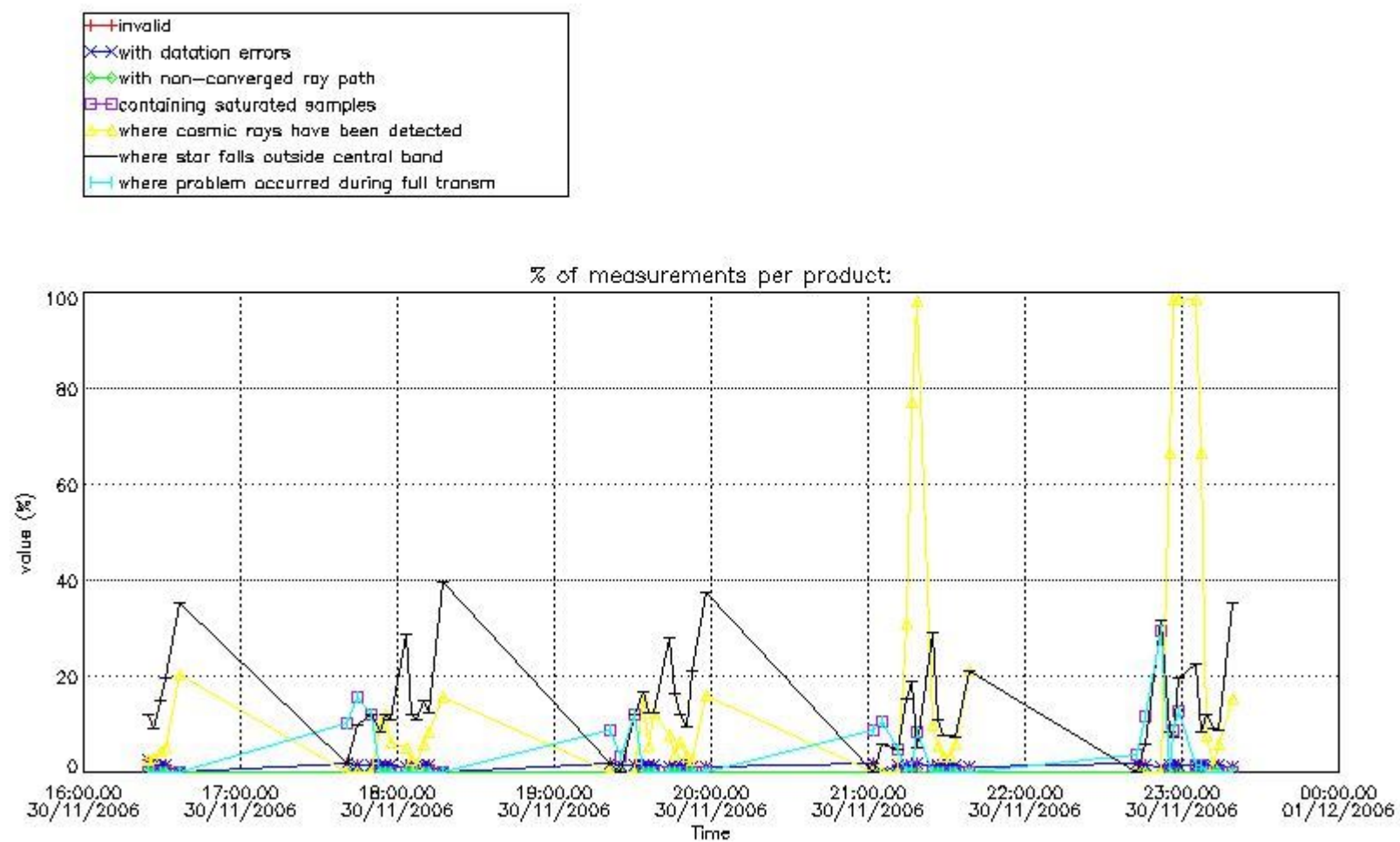


4. Level 1 quality information per product

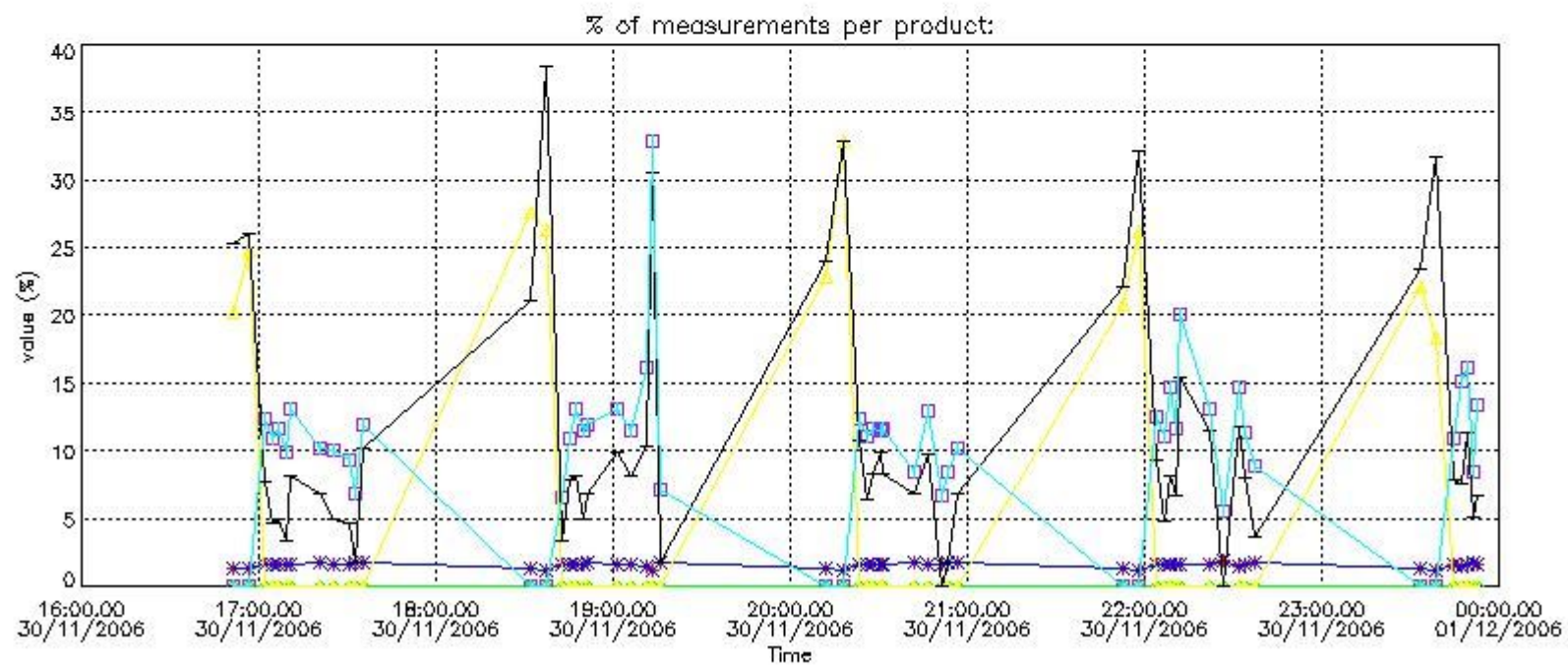
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



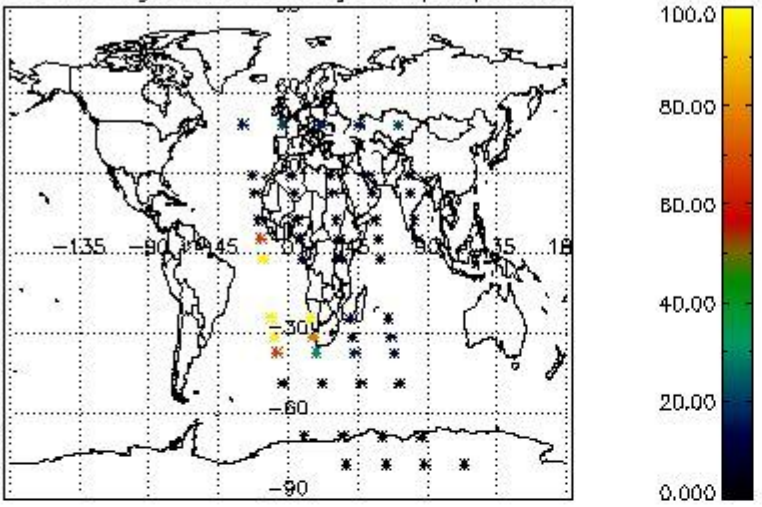
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



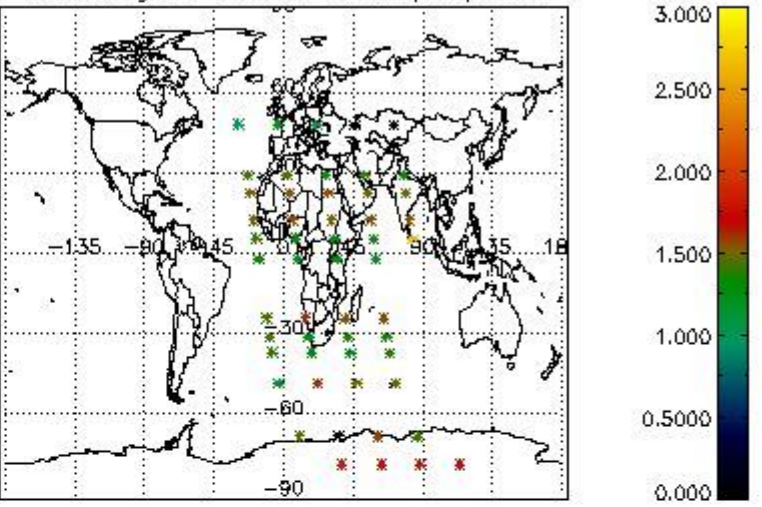
4.2 Plot quality information per product coming from level 1b processing (world map)

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

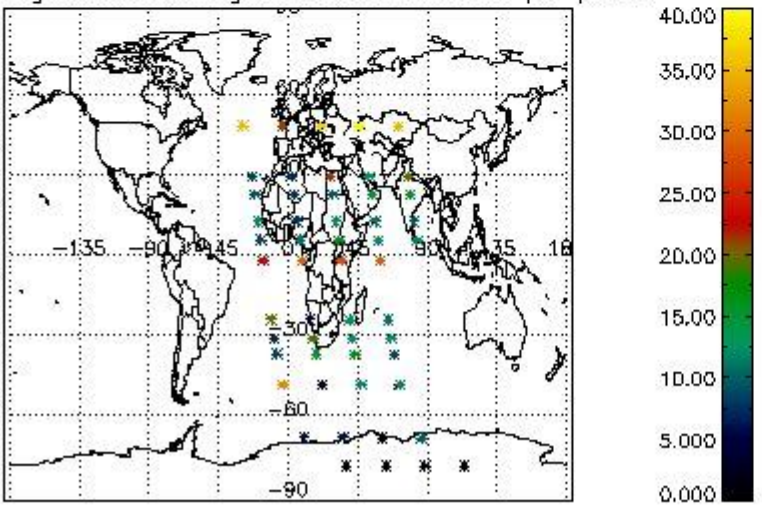
Percentage of cosmic ray hits per profile



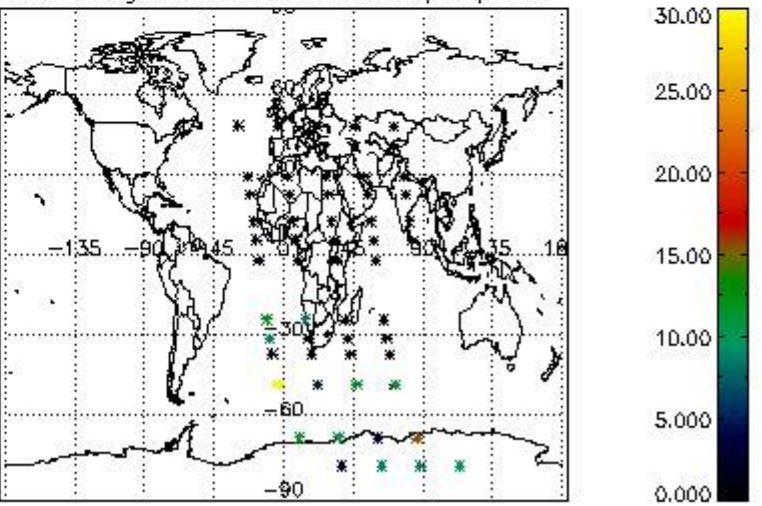
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

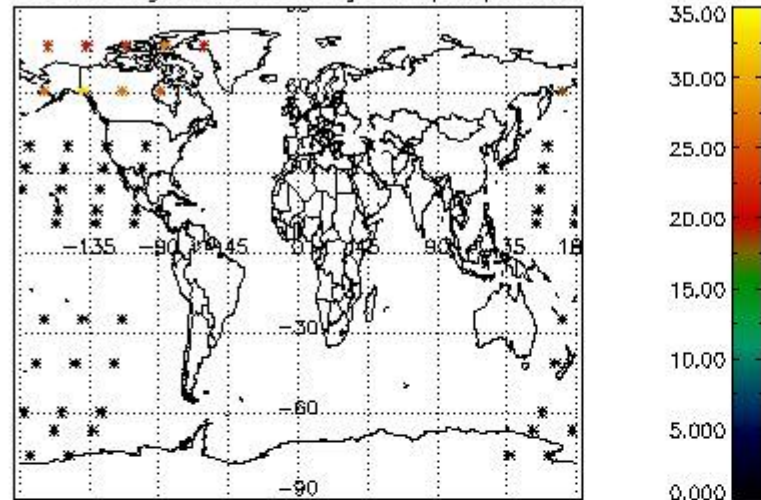


Percentage of saturation errors per profile

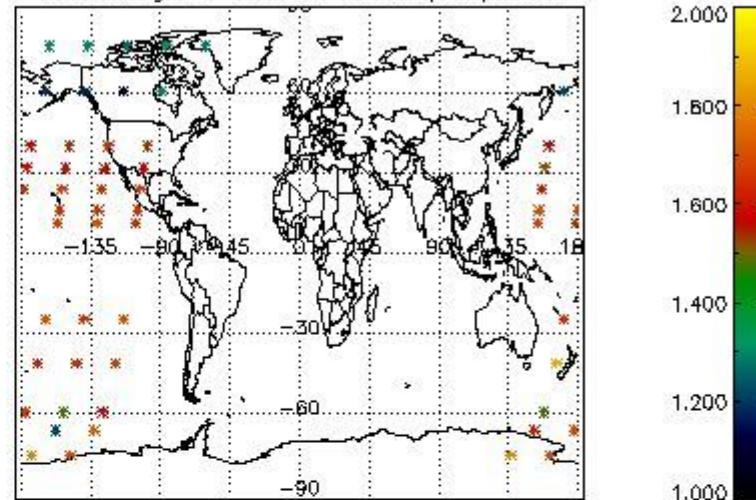


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

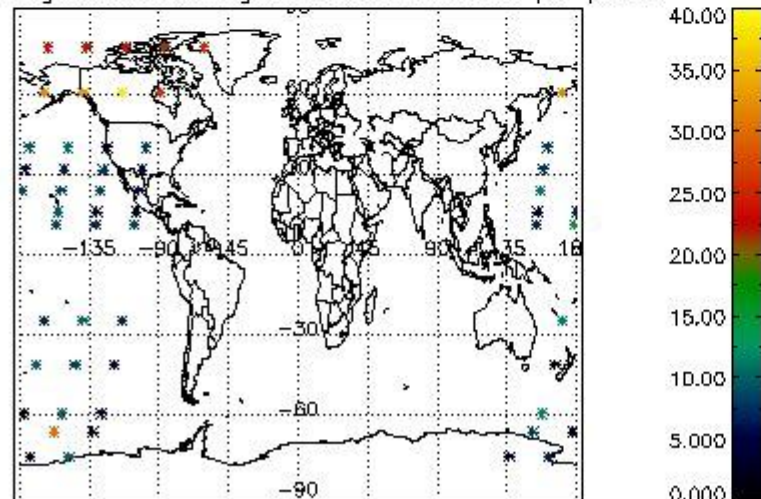
Percentage of cosmic ray hits per profile



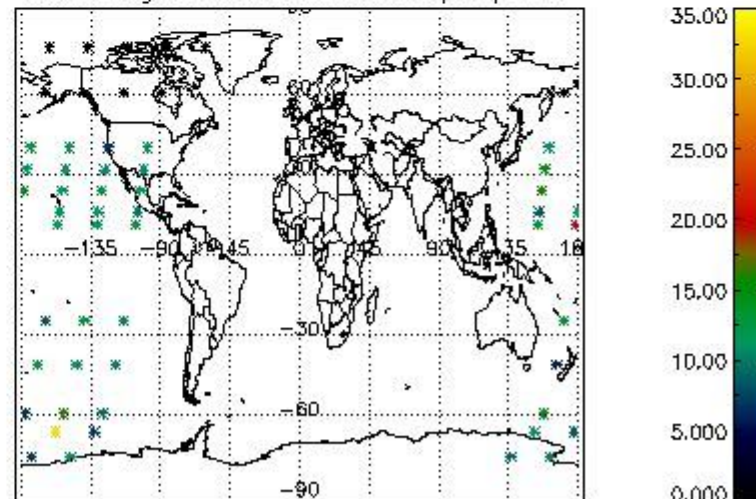
Percentage of datation errors per profile



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

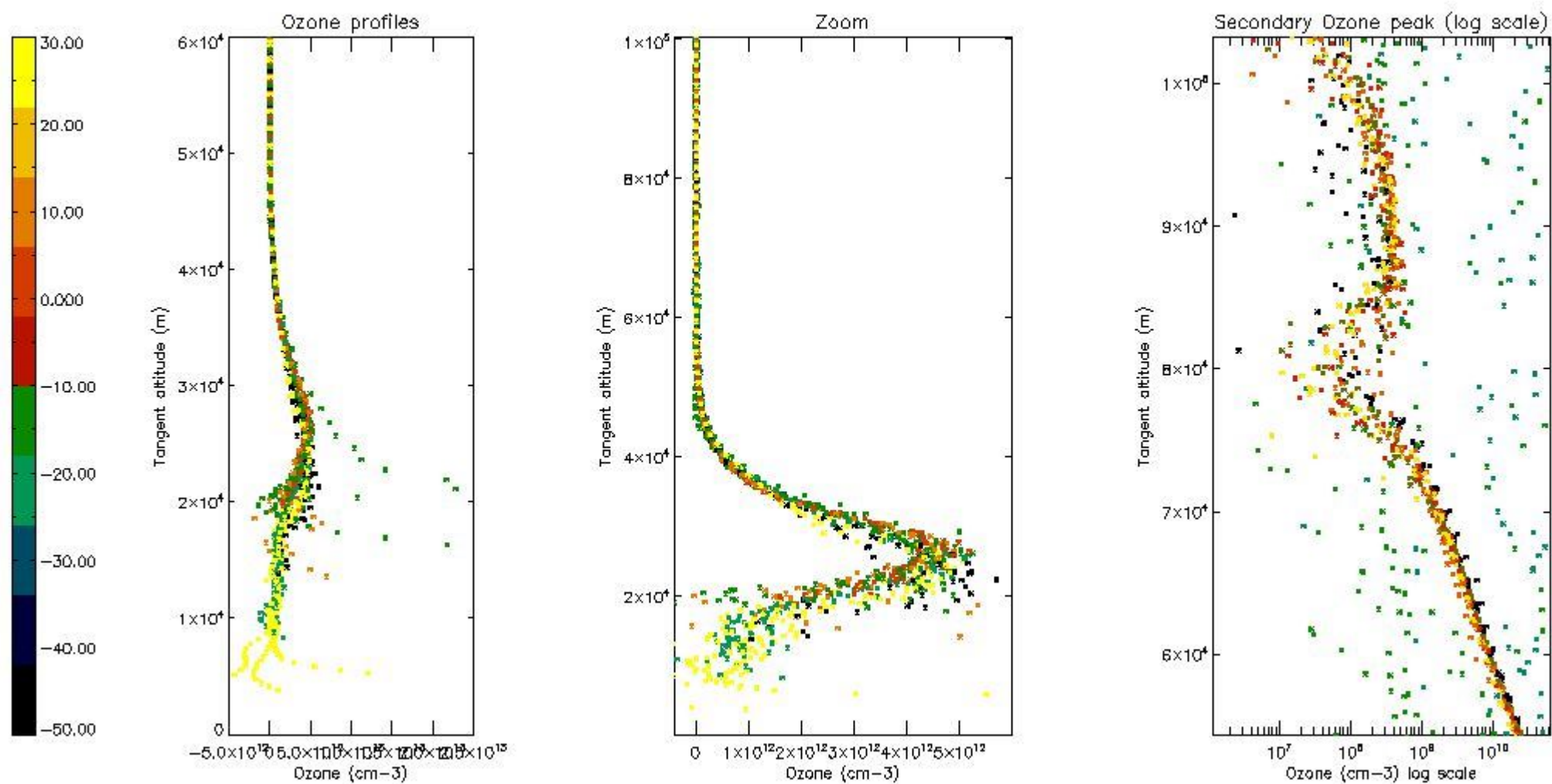
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	33
STD < 20	19

STD < 10	15
STD < 5	7

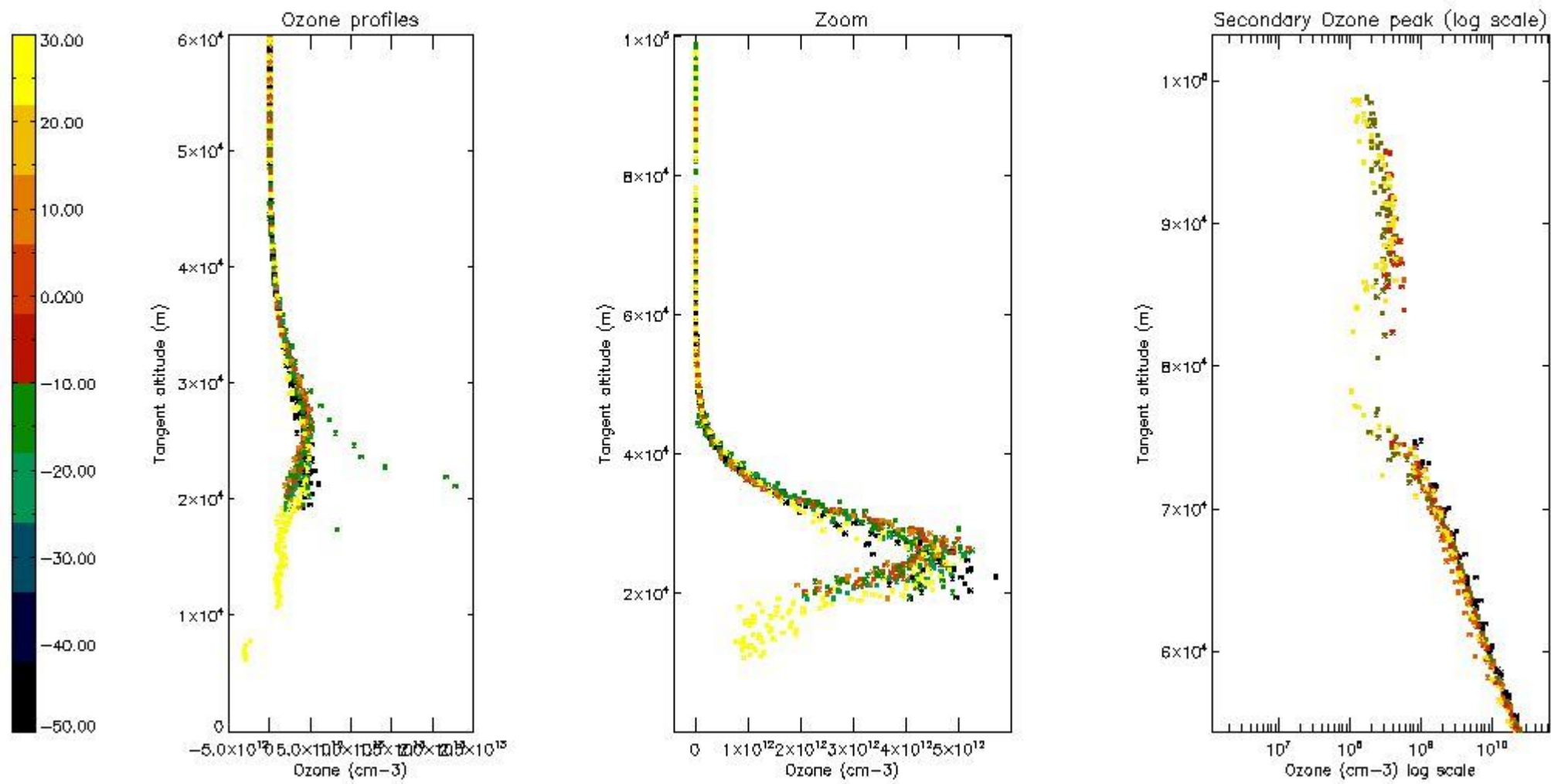
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



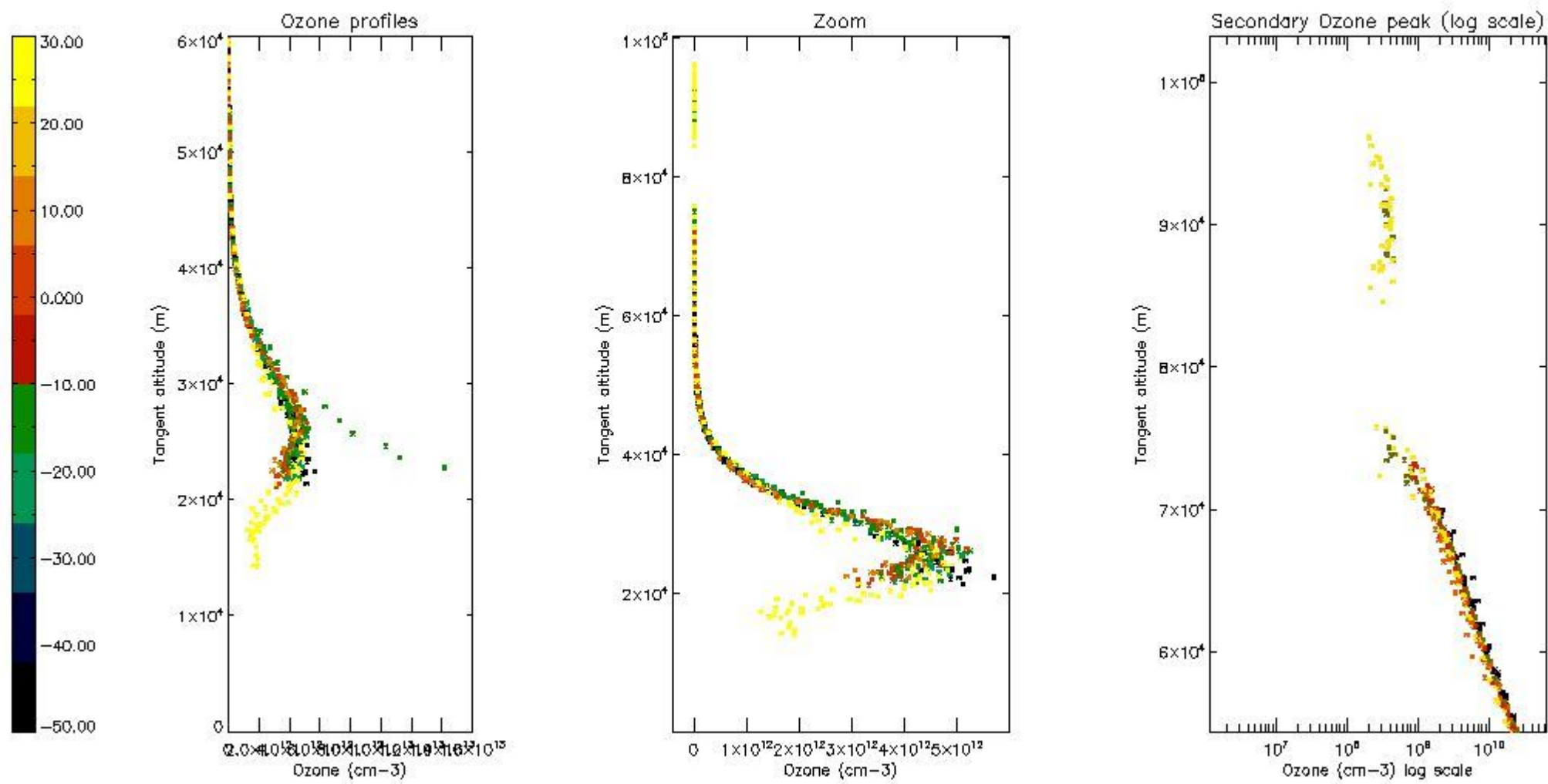
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



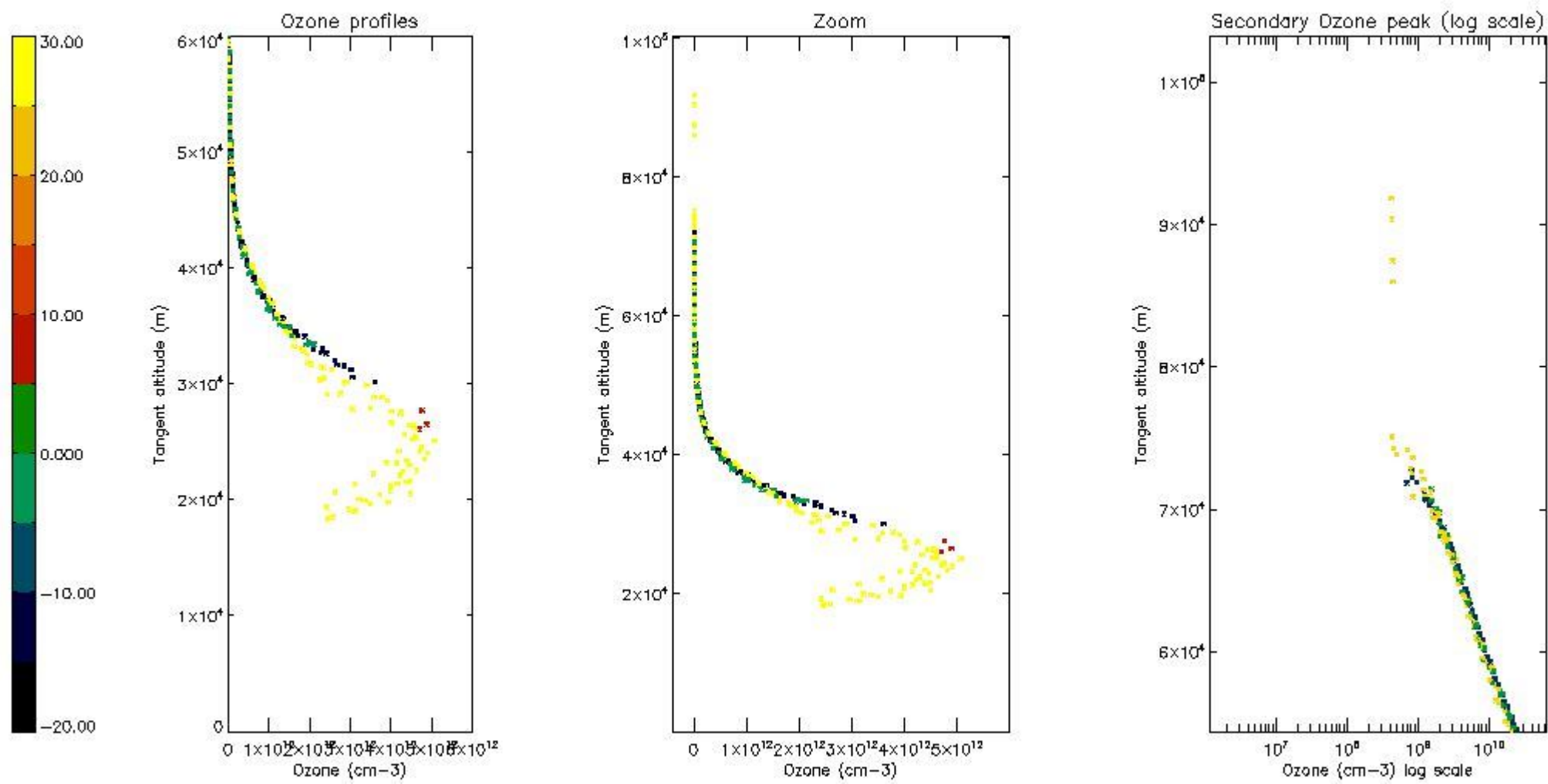
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



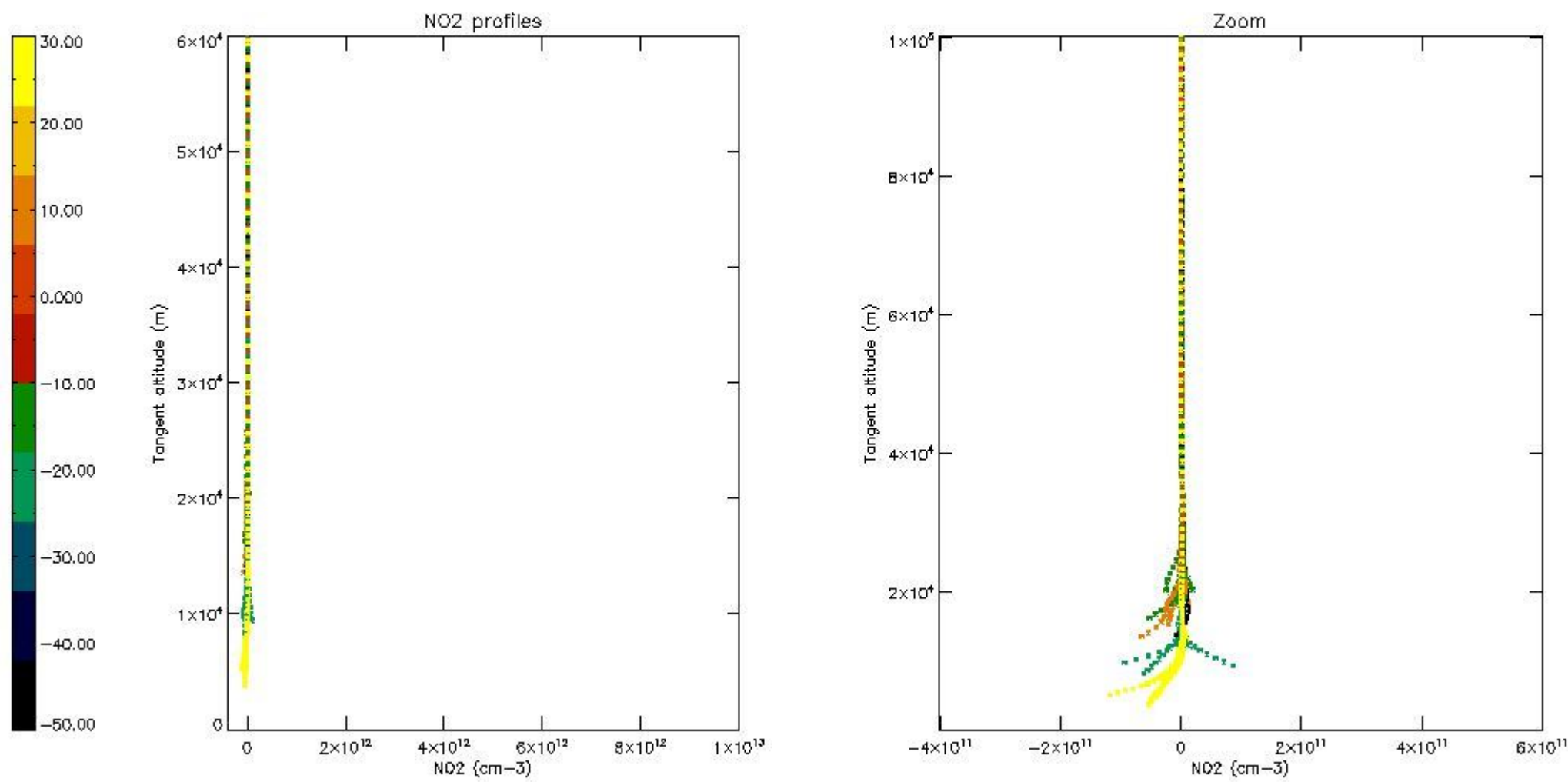
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



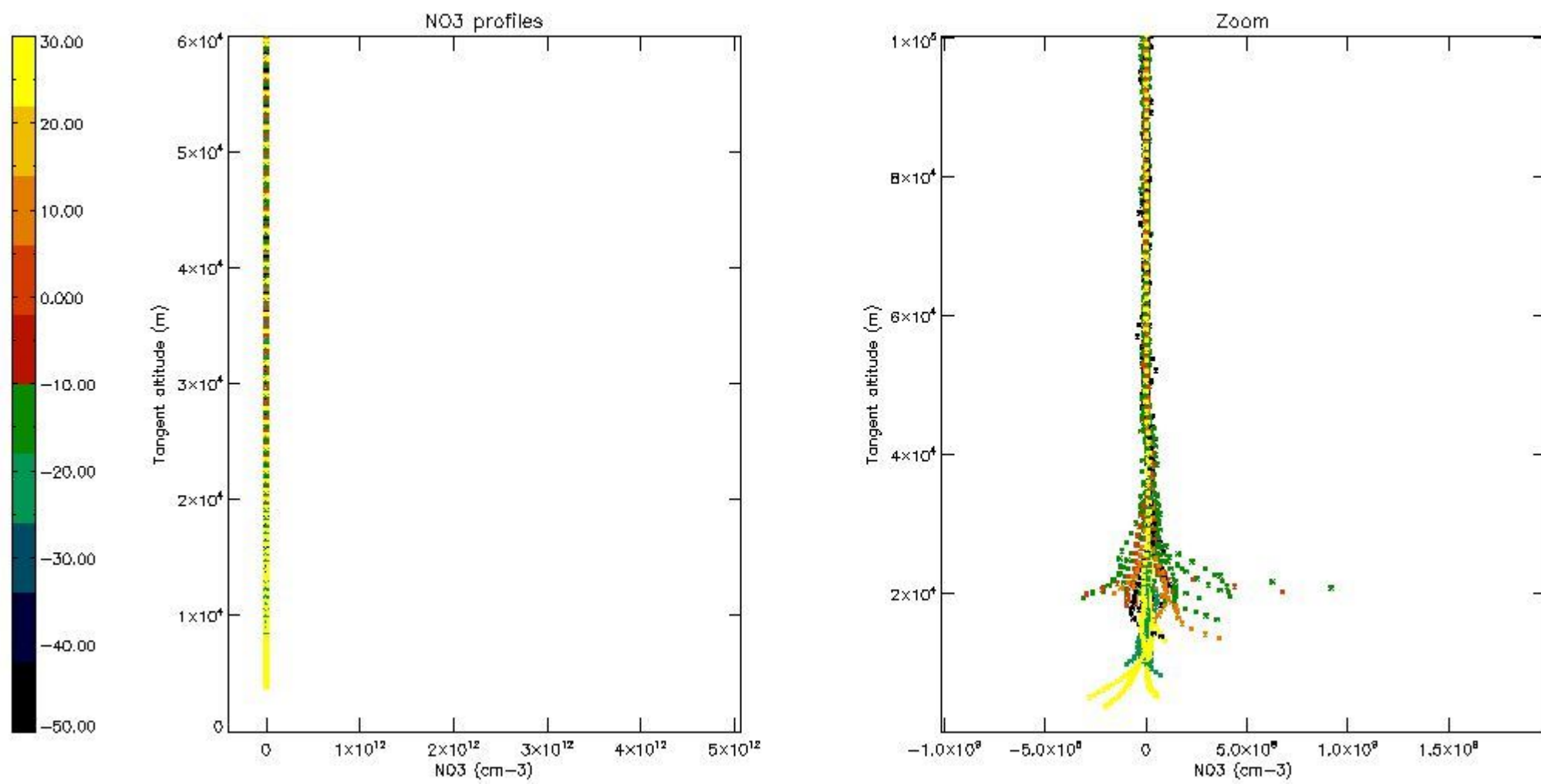
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



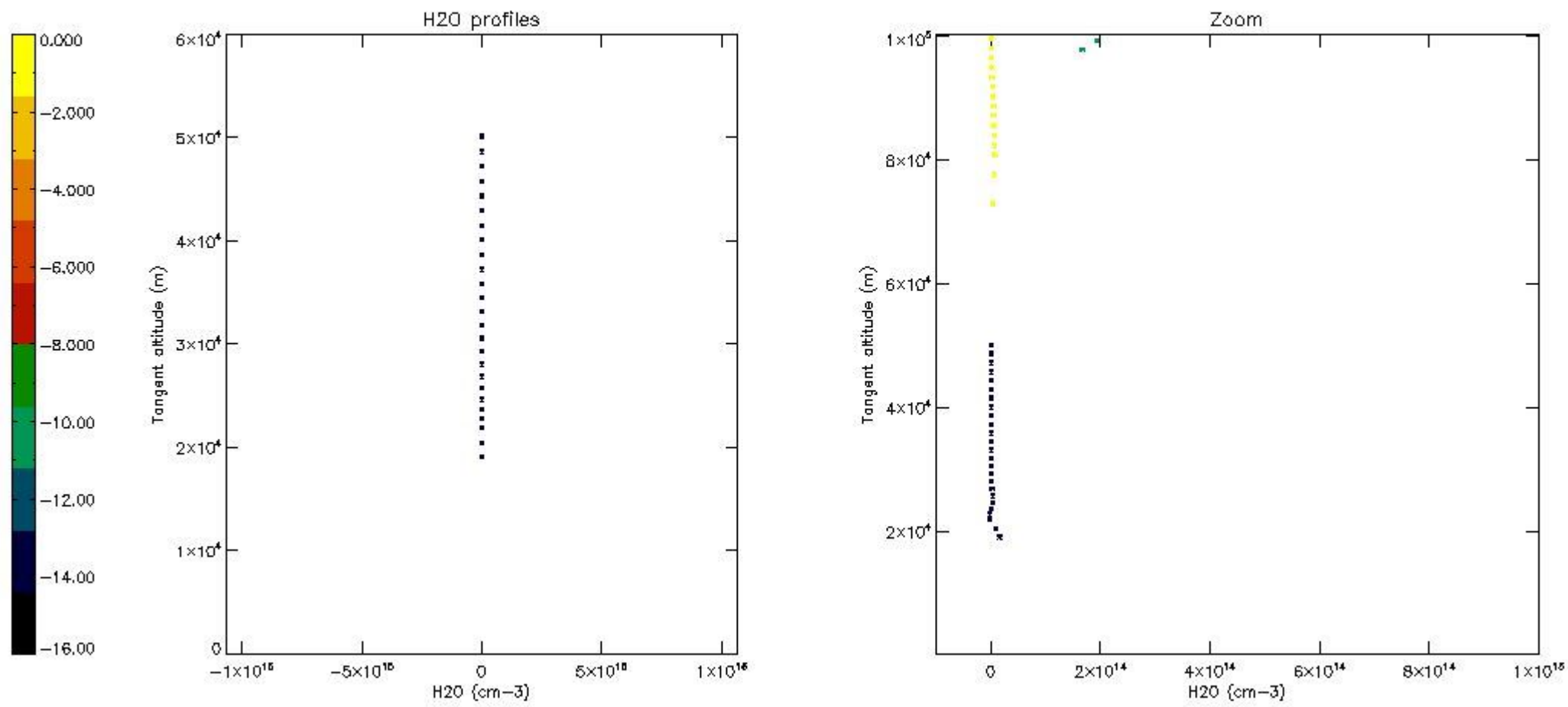
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	30-NOV-2006 16:24:50
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	30-NOV-2006 16:24:50
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	30-NOV-2006 16:24:50

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 06:08:00
Data source version	GOMOS/6.01
Start time of products	30-11-2006 (30NOV2006 00:00:00)
Stop time of products	01-12-2006 (01DEC2006 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	108
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__2PRFIN20061130_162450_000000382053_00241_24844_1443.N1	30-NOV-2006 16:24:50	Dark	37.500	113	Mu Vel	2.6920	5000.0	75	24844	No
2	GOM_NL__2PRFIN20061130_162650_000000332053_00241_24844_1444.N1	30-NOV-2006 16:26:50	Dark	32.500	124	The Car	2.7640	30000.	65	24844	No
3	GOM_NL__2PRFIN20061130_162937_000000342053_00241_24844_1445.N1	30-NOV-2006 16:29:37	Dark	33.500	29	Bet Car	1.6720	10200.	67	24844	No
4	GOM_NL__2PRFIN20061130_163129_000000392053_00241_24844_1446.N1	30-NOV-2006 16:31:29	Dark	38.500	41	Eps Car	1.8600	4100.0	77	24844	No
5	GOM_NL__2PRFIN20061130_163651_000000472053_00241_24844_1447.N1	30-NOV-2006 16:36:51	Dark	47.000	2	Alp Car	-0.73600	7000.0	94	24844	No
6	GOM_NL__2PRFIN20061130_165107_000000402053_00241_24844_1448.N1	30-NOV-2006 16:51:07	Straylight	39.500	165	34Gam Eri	2.9500	3200.0	79	24844	No
7	GOM_NL__2PRFIN20061130_165628_000000392053_00241_24844_1449.N1	30-NOV-2006 16:56:28	Twilight	38.500	94	92Alp Cet	2.5260	3100.0	77	24844	No
8	GOM_NL__2PRFIN20061130_170218_000000332053_00241_24844_1450.N1	30-NOV-2006 17:02:18	Bright	32.500	146	25Eta Tau	2.8730	15200.	65	24844	No
9	GOM_NL__2PRFIN20061130_170441_000000322053_00241_24844_1451.N1	30-NOV-2006 17:04:41	Bright	32.000	150	44Zet Per	2.8900	28000.	64	24844	No
10	GOM_NL__2PRFIN20061130_170654_000000302053_00241_24844_1452.N1	30-NOV-2006 17:06:54	Bright	30.000	79	26Bet Per	2.3100	13100.	60	24844	No
11	GOM_NL__2PRFIN20061130_170908_000000312053_00241_24844_1453.N1	30-NOV-2006 17:09:08	Bright	30.500	175	39Del Per	3.0100	19400.	61	24844	No
12	GOM_NL__2PRFIN20061130_171026_000000312053_00241_24844_1454.N1	30-NOV-2006 17:10:26	Bright	30.500	160	23Gam Per	2.9300	4700.0	61	24844	No
13	GOM_NL__2PRFIN20061130_172030_000000302053_00241_24844_1455.N1	30-NOV-2006 17:20:30	Bright	29.500	49	1Alp UMi	1.9900	6300.0	59	24844	No
14	GOM_NL__2PRFIN20061130_172509_000000302053_00241_24844_1456.N1	30-NOV-2006 17:25:09	Bright	30.000	60	7Bet UMi	2.0810	3950.0	60	24844	No
15	GOM_NL__2PRFIN20061130_173024_000000322053_00241_24844_1457.N1	30-NOV-2006 17:30:24	Bright	32.000	32	77Eps UMa	1.7630	11000.	64	24844	No
16	GOM_NL__2PRFIN20061130_173227_000000292053_00241_24844_1458.N1	30-NOV-2006 17:32:27	Bright	29.000	39	85Eta UMa	1.8540	24000.	58	24844	No
17	GOM_NL__2PRFIN20061130_173520_000000302053_00241_24844_1459.N1	30-NOV-2006 17:35:20	Bright	29.500	180	27Gam Boo	3.0400	8000.0	59	24844	No
18	GOM_NL__2PRFIN20061130_174052_000000292053_00241_24844_1460.N1	30-NOV-2006 17:40:52	Bright	29.000	3	16Alp Boo	-0.050000	4250.0	58	24844	No
19	GOM_NL__2PRFIN20061130_174426_000000362053_00241_24844_1461.N1	30-NOV-2006 17:44:26	Bright	35.500	138	47Eps Vir	2.8280	4700.0	71	24844	No
20	GOM_NL__2PRFIN20061130_175012_000000342053_00241_24844_1462.N1	30-NOV-2006 17:50:12	Bright	33.500	15	67Alp Vir	0.97600	28000.	67	24844	No
21	GOM_NL__2PRFIN20061130_175329_000000362053_00241_24844_1463.N1	30-NOV-2006 17:53:29	Twilight	36.000	163	7Del Crv	2.9450	11000.	72	24844	No
22	GOM_NL__2PRFIN20061130_175507_000000372053_00241_24844_1464.N1	30-NOV-2006 17:55:07	Twilight	37.000	106	9Bet Crv	2.6480	5600.0	74	24844	No
23	GOM_NL__2PRFIN20061130_175708_000000322053_00241_24844_1465.N1	30-NOV-2006 17:57:08	Dark	32.000	123	lot Cen	2.7500	10200.	64	24844	No
24	GOM_NL__2PRFIN20061130_180317_000000402053_00241_24844_1466.N1	30-NOV-2006 18:03:17	Dark	40.000	26	Gam Cru	1.6240	2900.0	80	24844	No
25	GOM_NL__2PRFIN20061130_180527_000000372053_00242_24845_1442.N1	30-NOV-2006 18:05:27	Dark	37.000	113	Mu Vel	2.6920	5000.0	74	24845	No
26	GOM_NL__2PRFIN20061130_180726_000000332053_00242_24845_1443.N1	30-NOV-2006 18:07:26	Dark	32.500	124	The Car	2.7640	30000.	65	24845	No
27	GOM_NL__2PRFIN20061130_181013_000000342053_00242_24845_1444.N1	30-NOV-2006 18:10:13	Dark	33.500	29	Bet Car	1.6720	10200.	67	24845	No
28	GOM_NL__2PRFIN20061130_181205_000000362053_00242_24845_1445.N1	30-NOV-2006 18:12:05	Dark	36.000	41	Eps Car	1.8600	4100.0	72	24845	No
29	GOM_NL__2PRFIN20061130_181728_000000522053_00242_24845_1446.N1	30-NOV-2006 18:17:28	Dark	51.500	2	Alp Car	-0.73600	7000.0	103	24845	No
30	GOM_NL__2PRFIN20061130_183143_000000382053_00242_24845_1447.N1	30-NOV-2006 18:31:43	Straylight	38.000	165	34Gam Eri	2.9500	3200.0	76	24845	No
31	GOM_NL__2PRFIN20061130_183704_000000462053_00242_24845_1448.N1	30-NOV-2006 18:37:04	Twilight	45.500	94	92Alp Cet	2.5260	3100.0	91	24845	No
32	GOM_NL__2PRFIN20061130_184254_000000312053_00242_24845_1449.N1	30-NOV-2006 18:42:54	Bright	30.500	146	25Eta Tau	2.8730	15200.	61	24845	No
33	GOM_NL__2PRFIN20061130_184517_000000322053_00242_24845_1450.N1	30-NOV-2006 18:45:17	Bright	32.000	150	44Zet Per	2.8900	28000.	64	24845	No
34	GOM_NL__2PRFIN20061130_184730_000000312053_00242_24845_1451.N1	30-NOV-2006 18:47:30	Bright	30.500	79	26Bet Per	2.3100	13100.	61	24845	No
35	GOM_NL__2PRFIN20061130_184944_000000312053_00242_24845_1452.N1	30-NOV-2006 18:49:44	Bright	30.500	175	39Del Per	3.0100	19400.	61	24845	No
36	GOM_NL__2PRFIN20061130_185103_000000302053_00242_24845_1453.N1	30-NOV-2006 18:51:03	Bright	29.500	160	23Gam Per	2.9300	4700.0	59	24845	No
37	GOM_NL__2PRFIN20061130_190106_000000312053_00242_24845_1454.N1	30-NOV-2006 19:01:06	Bright	30.500	49	1Alp UMi	1.9900	6300.0	61	24845	No
38	GOM_NL__2PRFIN20061130_190545_000000312053_00242_24845_1455.N1	30-NOV-2006 19:05:45	Bright	30.500	60	7Bet UMi	2.0810	3950.0	61	24845	No
39	GOM_NL__2PRFIN20061130_191100_000000342053_00242_24845_1456.N1	30-NOV-2006 19:11:00	Bright	34.000	32	77Eps UMa	1.7630	11000.	68	24845	No
40	GOM_NL__2PRFIN20061130_191303_000000412053_00242_24845_1457.N1	30-NOV-2006 19:13:03	Bright	41.000	39	85Eta UMa	1.8540	24000.	82	24845	No
41	GOM_NL__2PRFIN20061130_191556_000000282053_00242_24845_1458.N1	30-NOV-2006 19:15:56	Bright	28.000	180	27Gam Boo	3.0400	8000.0	56	24845	No
42	GOM_NL__2PRFIN20061130_192128_000000292053_00242_24845_1459.N1	30-NOV-2006 19:21:28	Bright	28.500	3	16Alp Boo	-0.050000	4250.0	57	24845	No

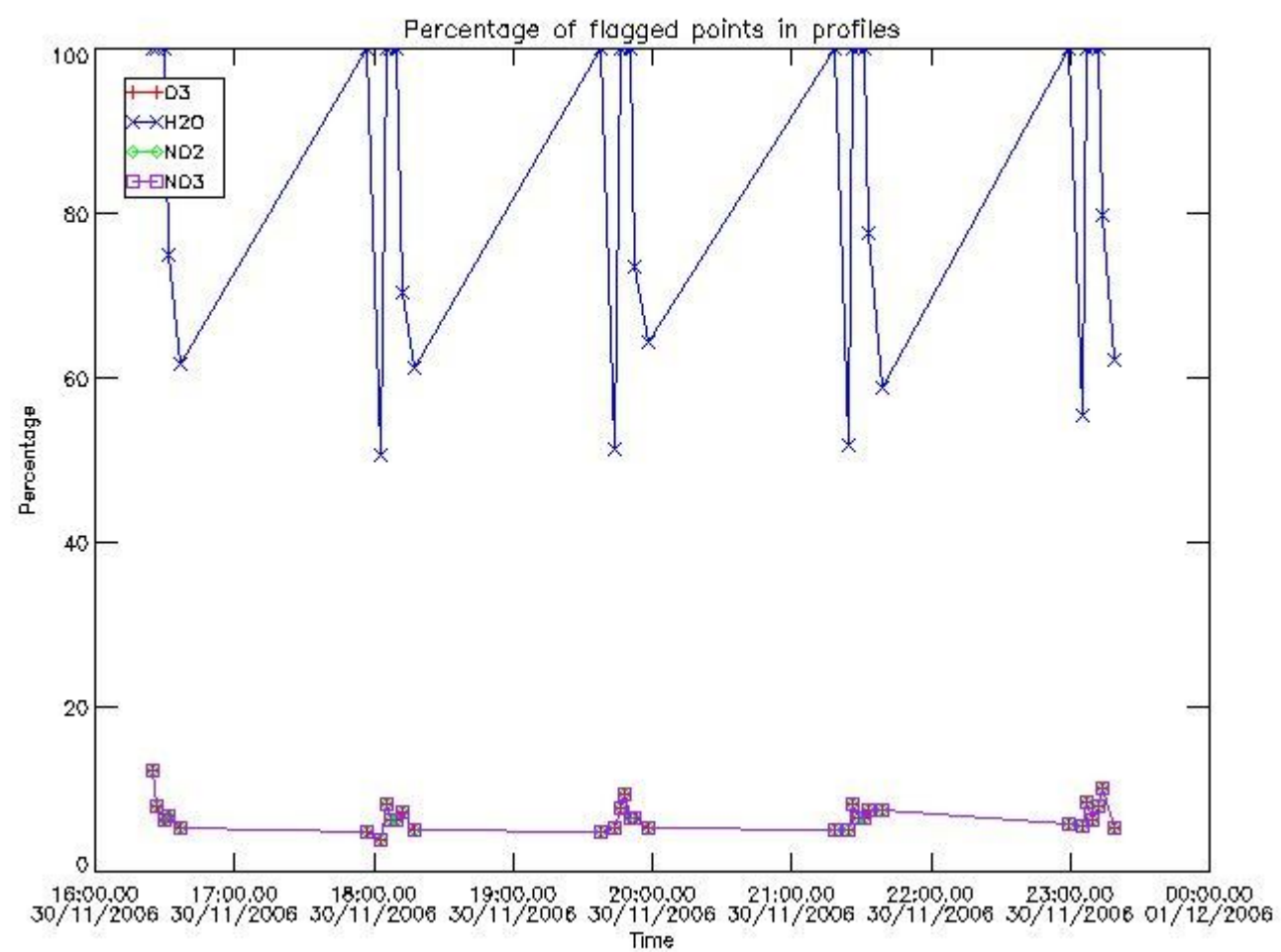
43	GOM_NL__2PRFIN20061130_192502_000000322053_00242_24845_1460.N1	30-NOV-2006 19:25:02	Bright	31.500	138	47Eps Vir	2.8280	4700.0	63	24845	No
44	GOM_NL__2PRFIN20061130_193049_000000342053_00242_24845_1461.N1	30-NOV-2006 19:30:49	Bright	33.500	15	67Alp Vir	0.97600	28000.	67	24845	No
45	GOM_NL__2PRFIN20061130_193406_000000392053_00242_24845_1462.N1	30-NOV-2006 19:34:06	Twilight	39.000	163	7Del Crv	2.9450	11000.	78	24845	No
46	GOM_NL__2PRFIN20061130_193543_000000372053_00242_24845_1463.N1	30-NOV-2006 19:35:43	Twilight	36.500	106	9Bet Crv	2.6480	5600.0	73	24845	No
47	GOM_NL__2PRFIN20061130_193744_000000332053_00242_24845_1464.N1	30-NOV-2006 19:37:44	Dark	32.500	123	1ot Cen	2.7500	10200.	65	24845	No
48	GOM_NL__2PRFIN20061130_194353_000000402053_00242_24845_1465.N1	30-NOV-2006 19:43:53	Dark	39.500	26	Gam Cru	1.6240	2900.0	79	24845	No
49	GOM_NL__2PRFIN20061130_194604_000000402053_00243_24846_1461.N1	30-NOV-2006 19:46:04	Dark	39.500	113	Mu Vel	2.6920	5000.0	79	24846	No
50	GOM_NL__2PRFIN20061130_194802_000000332053_00243_24846_1462.N1	30-NOV-2006 19:48:02	Dark	33.000	124	The Car	2.7640	30000.	66	24846	No
51	GOM_NL__2PRFIN20061130_195050_000000322053_00243_24846_1463.N1	30-NOV-2006 19:50:50	Dark	32.000	29	Bet Car	1.6720	10200.	64	24846	No
52	GOM_NL__2PRFIN20061130_195242_000000402053_00243_24846_1464.N1	30-NOV-2006 19:52:42	Dark	40.000	41	Eps Car	1.8600	4100.0	80	24846	No
53	GOM_NL__2PRFIN20061130_195804_000000502053_00243_24846_1465.N1	30-NOV-2006 19:58:04	Dark	49.500	2	Alp Car	-0.73600	7000.0	99	24846	No
54	GOM_NL__2PRFIN20061130_201219_000000402053_00243_24846_1466.N1	30-NOV-2006 20:12:19	Straylight	39.500	165	34Gam Eri	2.9500	3200.0	79	24846	No
55	GOM_NL__2PRFIN20061130_201740_000000432053_00243_24846_1467.N1	30-NOV-2006 20:17:40	Twilight	42.500	94	92Alp Cet	2.5260	3100.0	85	24846	No
56	GOM_NL__2PRFIN20061130_202330_000000332053_00243_24846_1468.N1	30-NOV-2006 20:23:30	Bright	32.500	146	25Eta Tau	2.8730	15200.	65	24846	No
57	GOM_NL__2PRFIN20061130_202552_000000322053_00243_24846_1469.N1	30-NOV-2006 20:25:52	Bright	31.500	150	44Zet Per	2.8900	28000.	63	24846	No
58	GOM_NL__2PRFIN20061130_202805_000000302053_00243_24846_1470.N1	30-NOV-2006 20:28:05	Bright	30.000	79	26Bet Per	2.3100	13100.	60	24846	No
59	GOM_NL__2PRFIN20061130_203020_000000312053_00243_24846_1471.N1	30-NOV-2006 20:30:20	Bright	30.500	175	39Del Per	3.0100	19400.	61	24846	No
60	GOM_NL__2PRFIN20061130_203138_000000302053_00243_24846_1472.N1	30-NOV-2006 20:31:38	Bright	30.000	160	23Gam Per	2.9300	4700.0	60	24846	No
61	GOM_NL__2PRFIN20061130_204142_000000302053_00243_24846_1473.N1	30-NOV-2006 20:41:42	Bright	29.500	49	1Alp UMi	1.9900	6300.0	59	24846	No
62	GOM_NL__2PRFIN20061130_204621_000000312053_00243_24846_1474.N1	30-NOV-2006 20:46:21	Bright	31.000	60	7Bet UMi	2.0810	3950.0	62	24846	No
63	GOM_NL__2PRFIN20061130_205136_000000302053_00243_24846_1475.N1	30-NOV-2006 20:51:36	Bright	30.000	32	77Eps UMa	1.7630	11000.	60	24846	No
64	GOM_NL__2PRFIN20061130_205339_000000302053_00243_24846_1476.N1	30-NOV-2006 20:53:39	Bright	29.500	39	85Eta UMa	1.8540	24000.	59	24846	No
65	GOM_NL__2PRFIN20061130_205632_000000302053_00243_24846_1477.N1	30-NOV-2006 20:56:32	Bright	29.500	180	27Gam Boo	3.0400	8000.0	59	24846	No
66	GOM_NL__2PRFIN20061130_210204_000000292053_00243_24846_1478.N1	30-NOV-2006 21:02:04	Bright	28.500	3	16Alp Boo	-0.050000	4250.0	57	24846	No
67	GOM_NL__2PRFIN20061130_210538_000000342053_00243_24846_1479.N1	30-NOV-2006 21:05:38	Bright	33.500	138	47Eps Vir	2.8280	4700.0	67	24846	No
68	GOM_NL__2PRFIN20061130_211125_000000312053_00243_24846_1480.N1	30-NOV-2006 21:11:25	Bright	31.000	15	67Alp Vir	0.97600	28000.	62	24846	No
69	GOM_NL__2PRFIN20061130_211442_000000392053_00243_24846_1481.N1	30-NOV-2006 21:14:42	Twilight	39.000	163	7Del Crv	2.9450	11000.	78	24846	No
70	GOM_NL__2PRFIN20061130_211620_000000402053_00243_24846_1482.N1	30-NOV-2006 21:16:20	Twilight	39.500	106	9Bet Crv	2.6480	5600.0	79	24846	No
71	GOM_NL__2PRFIN20061130_211820_000000312053_00243_24846_1483.N1	30-NOV-2006 21:18:20	Dark	30.500	123	1ot Cen	2.7500	10200.	61	24846	No
72	GOM_NL__2PRFIN20061130_212430_000000412053_00243_24846_1484.N1	30-NOV-2006 21:24:30	Dark	41.000	26	Gam Cru	1.6240	2900.0	82	24846	No
73	GOM_NL__2PRFIN20061130_212640_000000372053_00244_24847_1460.N1	30-NOV-2006 21:26:40	Dark	37.000	113	Mu Vel	2.6920	5000.0	74	24847	No
74	GOM_NL__2PRFIN20061130_212839_000000322053_00244_24847_1461.N1	30-NOV-2006 21:28:39	Dark	32.000	124	The Car	2.7640	30000.	64	24847	No
75	GOM_NL__2PRFIN20061130_213126_000000322053_00244_24847_1462.N1	30-NOV-2006 21:31:26	Dark	32.000	29	Bet Car	1.6720	10200.	64	24847	No
76	GOM_NL__2PRFIN20061130_213319_000000342053_00244_24847_1463.N1	30-NOV-2006 21:33:19	Dark	34.000	41	Eps Car	1.8600	4100.0	68	24847	No
77	GOM_NL__2PRFIN20061130_213841_000000412053_00244_24847_1464.N1	30-NOV-2006 21:38:41	Dark	40.500	2	Alp Car	-0.73600	7000.0	81	24847	No
78	GOM_NL__2PRFIN20061130_215255_000000392053_00244_24847_1465.N1	30-NOV-2006 21:52:55	Straylight	38.500	165	34Gam Eri	2.9500	3200.0	77	24847	No
79	GOM_NL__2PRFIN20061130_215816_000000422053_00244_24847_1466.N1	30-NOV-2006 21:58:16	Twilight	42.000	94	92Alp Cet	2.5260	3100.0	84	24847	No
80	GOM_NL__2PRFIN20061130_220406_000000322053_00244_24847_1467.N1	30-NOV-2006 22:04:06	Bright	32.000	146	25Eta Tau	2.8730	15200.	64	24847	No
81	GOM_NL__2PRFIN20061130_220628_000000322053_00244_24847_1468.N1	30-NOV-2006 22:06:28	Bright	31.500	150	44Zet Per	2.8900	28000.	63	24847	No
82	GOM_NL__2PRFIN20061130_220841_000000312053_00244_24847_1469.N1	30-NOV-2006 22:08:41	Bright	30.500	79	26Bet Per	2.3100	13100.	61	24847	No
83	GOM_NL__2PRFIN20061130_221055_000000302053_00244_24847_1470.N1	30-NOV-2006 22:10:55	Bright	30.000	175	39Del Per	3.0100	19400.	60	24847	No
84	GOM_NL__2PRFIN20061130_221214_000000332053_00244_24847_1471.N1	30-NOV-2006 22:12:14	Bright	32.500	160	23Gam Per	2.9300	4700.0	65	24847	No
85	GOM_NL__2PRFIN20061130_222218_000000312053_00244_24847_1472.N1	30-NOV-2006 22:22:18	Bright	30.500	49	1Alp UMi	1.9900	6300.0	61	24847	No
86	GOM_NL__2PRFIN20061130_222657_000000272053_00244_24847_1473.N1	30-NOV-2006 22:26:57	Bright	27.000	60	7Bet UMi	2.0810	3950.0	54	24847	No
87	GOM_NL__2PRFIN20061130_223211_000000342053_00244_24847_1474.N1	30-NOV-2006 22:32:11	Bright	34.000	32	77Eps UMa	1.7630	11000.	68	24847	No
88	GOM_NL__2PRFIN20061130_223414_000000312053_00244_24847_1475.N1	30-NOV-2006 22:34:14	Bright	31.000	39	85Eta UMa	1.8540	24000.	62	24847	No
89	GOM_NL__2PRFIN20061130_223708_000000282053_00244_24847_1476.N1	30-NOV-2006 22:37:08	Bright	28.000	180	27Gam Boo	3.0400	8000.0	56	24847	No
90	GOM_NL__2PRFIN20061130_224240_000000272053_00244_24847_1477.N1	30-NOV-2006 22:42:40	Bright	27.000	3	16Alp Boo	-0.050000	4250.0	54	24847	No
91	GOM_NL__2PRFIN20061130_224615_000000342053_00244_24847_1478.N1	30-NOV-2006 22:46:15	Bright	34.000	138	47Eps Vir	2.8280	4700.0	68	24847	No
92	GOM_NL__2PRFIN20061130_225201_000000432053_00244_24847_1479.N1	30-NOV-2006 22:52:01	Bright	42.500	15	67Alp Vir	0.97600	28000.	85	24847	No
93	GOM_NL__2PRFIN20061130_225518_000000362053_00244_24847_1480.N1	30-NOV-2006 22:55:18	Twilight	36.000	163	7Del Crv	2.9450	11000.	72	24847	No
94	GOM_NL__2PRFIN20061130_225656_000000352053_00244_24847_1481.N1	30-NOV-2006 22:56:56	Twilight	35.000	106	9Bet Crv	2.6480	5600.0	70	24847	No
95	GOM_NL__2PRFIN20061130_225856_000000362053_00244_24847_1482.N1	30-NOV-2006 22:58:56	Dark	35.500	123	1ot Cen	2.7500	10200.	71	24847	No
96	GOM_NL__2PRFIN20061130_230506_000000382053_00244_24847_1483.N1	30-NOV-2006 23:05:06	Dark	37.500	26	Gam Cru	1.6240	2900.0	75	24847	No
97	GOM_NL__2PRFIN20061130_230717_000000362053_00245_24848_1459.N1	30-NOV-2006 23:07:17	Dark	36.000	113	Mu Vel	2.6920	5000.0	72	24848	No
98	GOM_NL__2PRFIN20061130_230915_000000332053_00245_24848_1460.N1	30-NOV-2006 23:09:15	Dark	33.000	124	The Car	2.7640	30000.	66	24848	No
99	GOM_NL__2PRFIN20061130_231202_000000332053_00245_24848_1461.N1	30-NOV-2006 23:12:02	Dark	32.500	29	Bet Car	1.6720	10200.	65	24848	No
100	GOM_NL__2PRFIN20061130_231355_000000352053_00245_24848_1462.N1	30-NOV-2006 23:13:55	Dark	35.000	41	Eps Car	1.8600	4100.0	70	24848	No
101	GOM_NL__2PRFIN20061130_231917_000000502053_00245_24848_1463.N1	30-NOV-2006 23:19:17	Dark	49.500	2	Alp Car	-0.73600	7000.0	99	24848	No

102	GOM_NL__2PRFIN20061130_233331_000000392053_00245_24848_1464.N1	30-NOV-2006 23:33:31	Straylight	38.500	165	34Gam Eri	2.9500	3200.0	77	24848	No
103	GOM_NL__2PRFIN20061130_233852_000000412053_00245_24848_1465.N1	30-NOV-2006 23:38:52	Twilight_stray	41.000	94	92Alp Cet	2.5260	3100.0	82	24848	No
104	GOM_NL__2PRFIN20061130_234441_000000322053_00245_24848_1466.N1	30-NOV-2006 23:44:41	Bright	32.000	146	25Eta Tau	2.8730	15200.	64	24848	No
105	GOM_NL__2PRFIN20061130_234703_000000332053_00245_24848_1467.N1	30-NOV-2006 23:47:03	Bright	33.000	150	44Zet Per	2.8900	28000.	66	24848	No
106	GOM_NL__2PRFIN20061130_234917_000000312053_00245_24848_1468.N1	30-NOV-2006 23:49:17	Bright	31.000	79	26Bet Per	2.3100	13100.	62	24848	No
107	GOM_NL__2PRFIN20061130_235131_000000302053_00245_24848_1469.N1	30-NOV-2006 23:51:31	Bright	29.500	175	39Del Per	3.0100	19400.	59	24848	No
108	GOM_NL__2PRFIN20061130_235250_000000302053_00245_24848_1470.N1	30-NOV-2006 23:52:50	Bright	30.000	160	23Gam Per	2.9300	4700.0	60	24848	No

3. Quality information per product

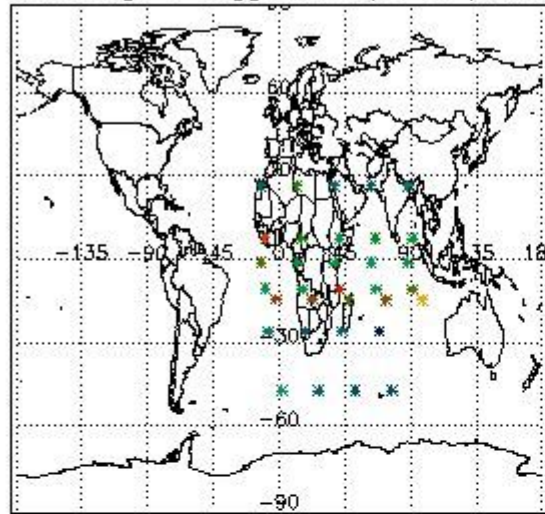
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

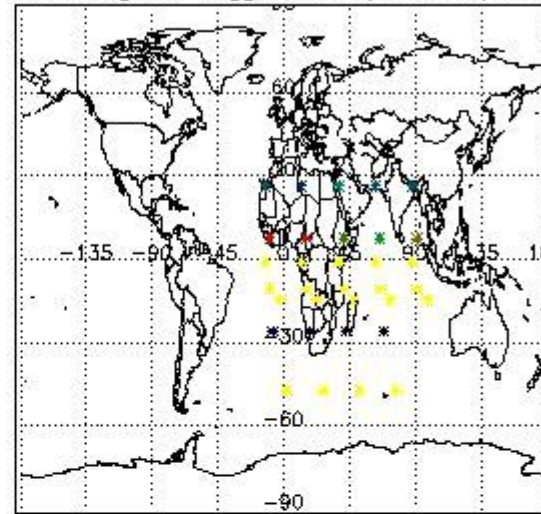


3.2 Plot quality information per product (world map)

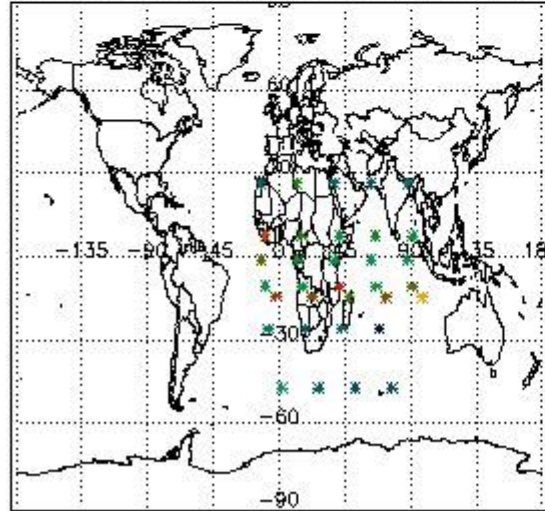
Percentage of flagged data per O3 profile



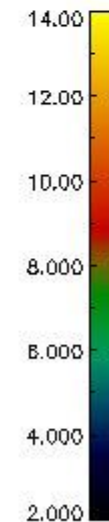
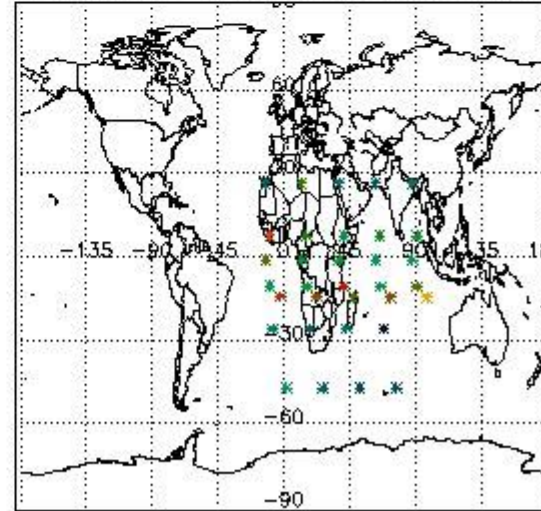
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

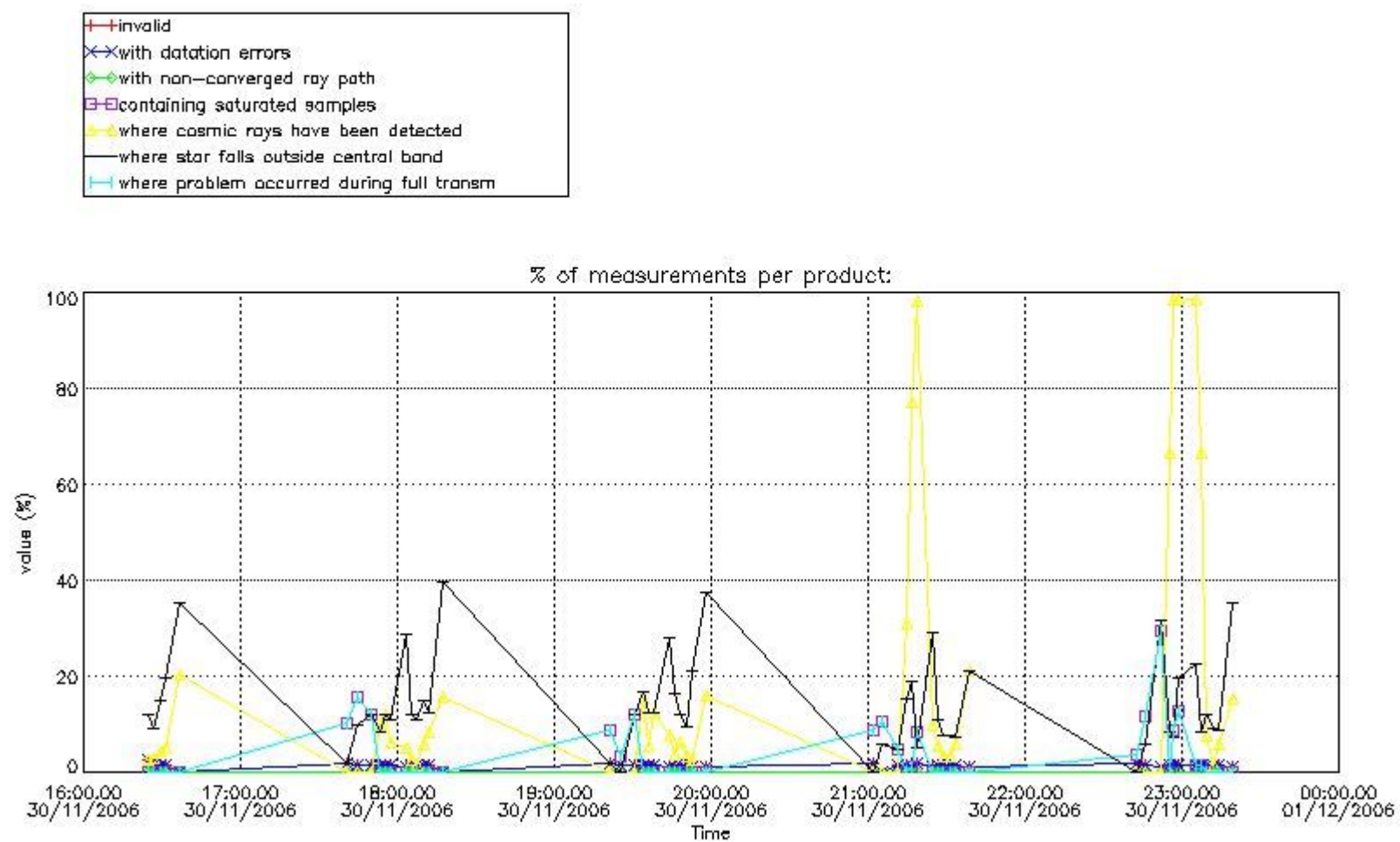


4. Level 1 quality information per product

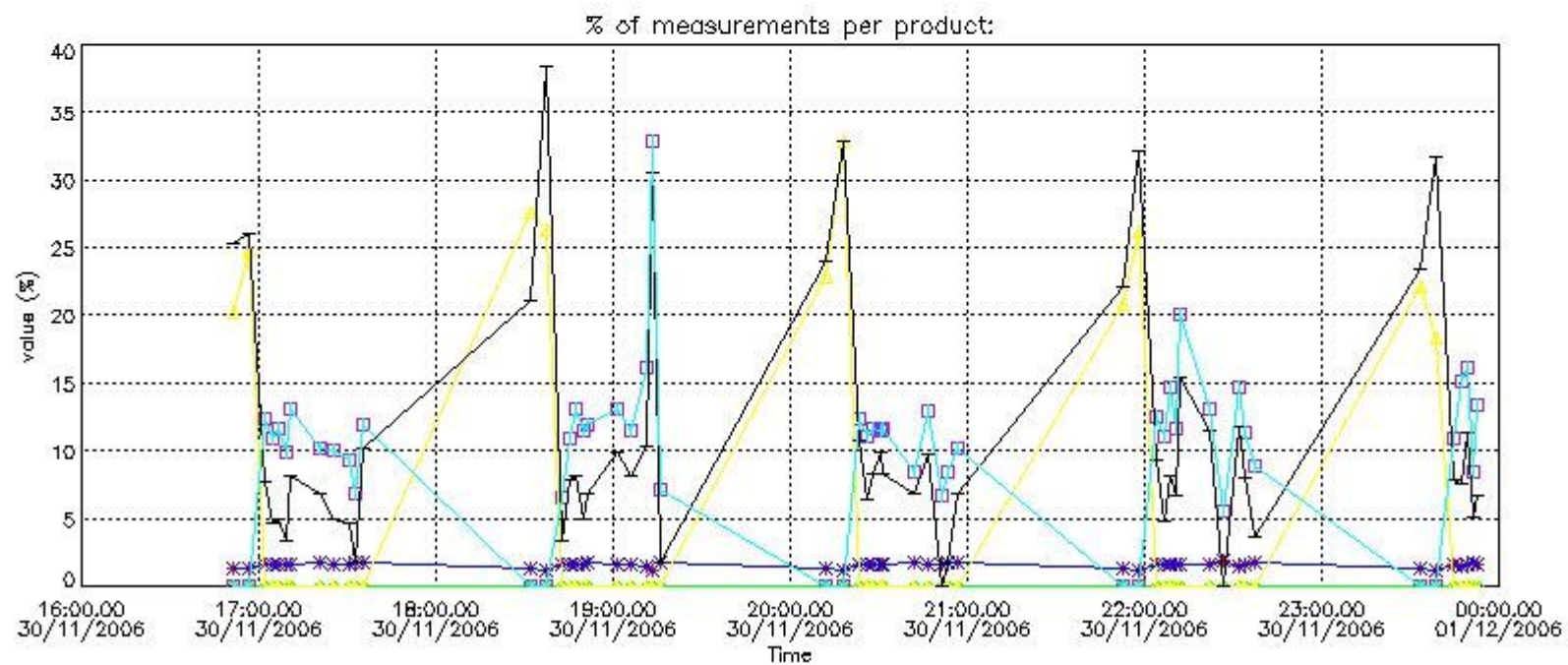
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



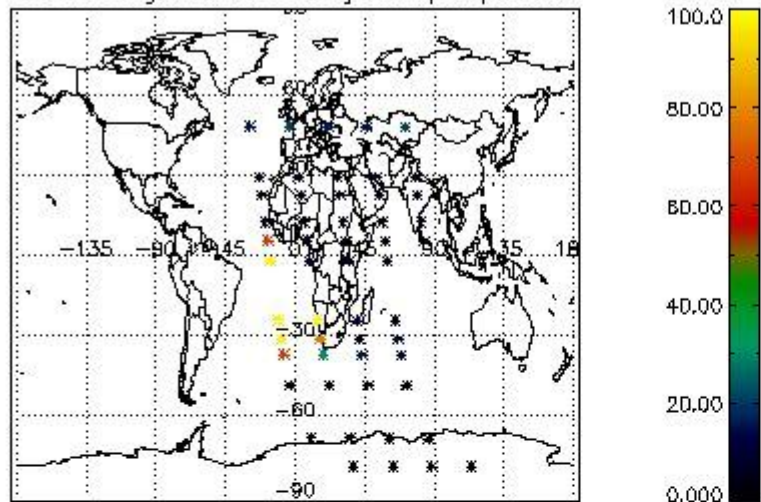
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



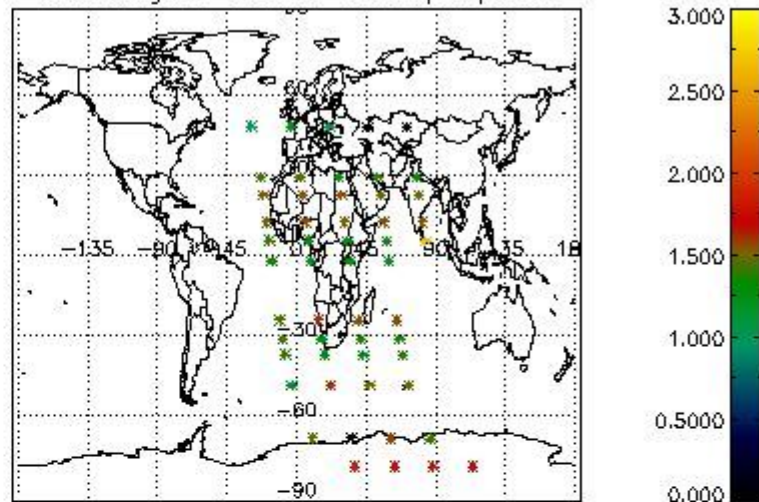
4.2 Plot quality information per product coming from level 1b processing (world map)

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

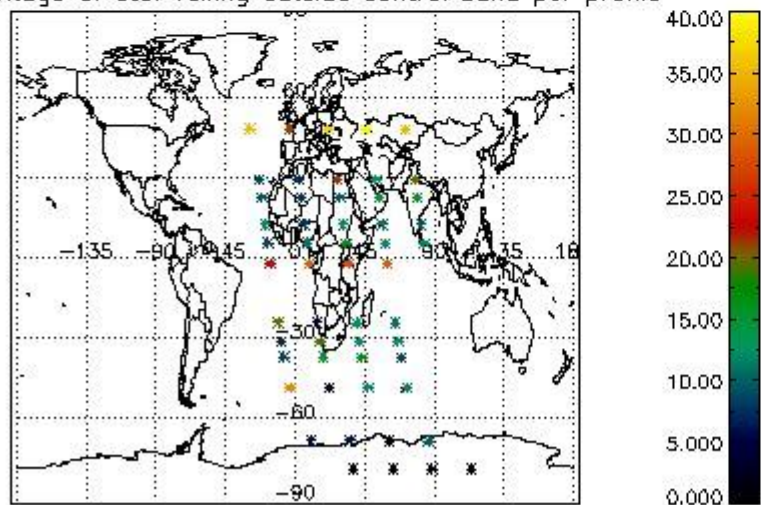
Percentage of cosmic ray hits per profile



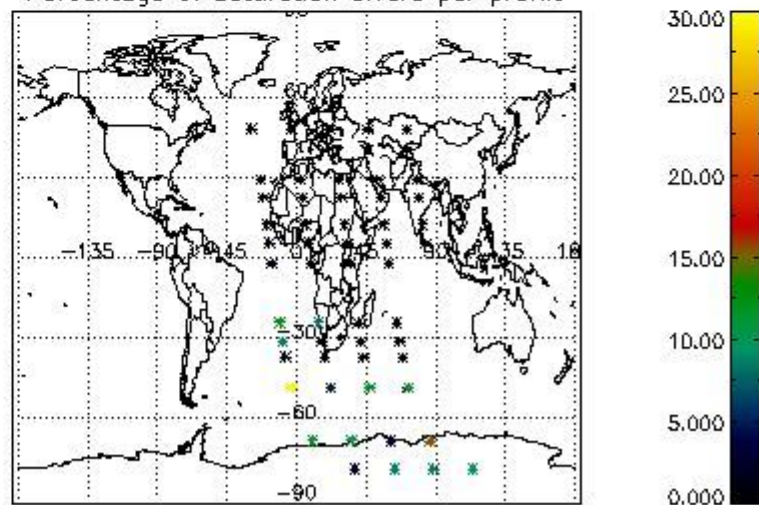
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

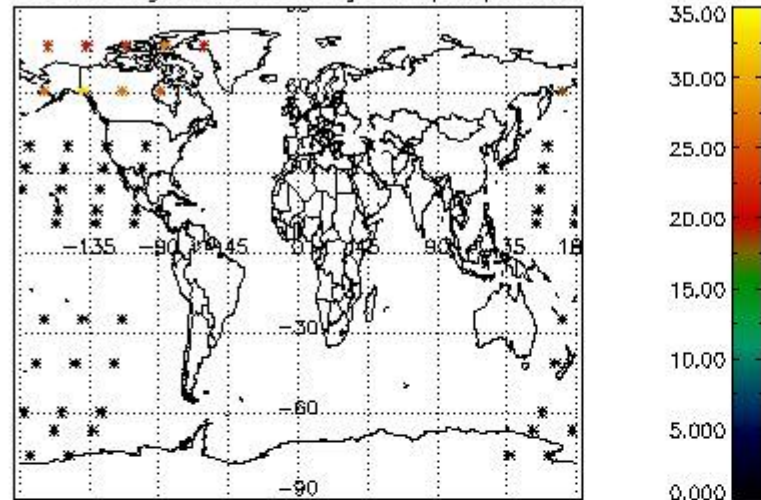


Percentage of saturation errors per profile

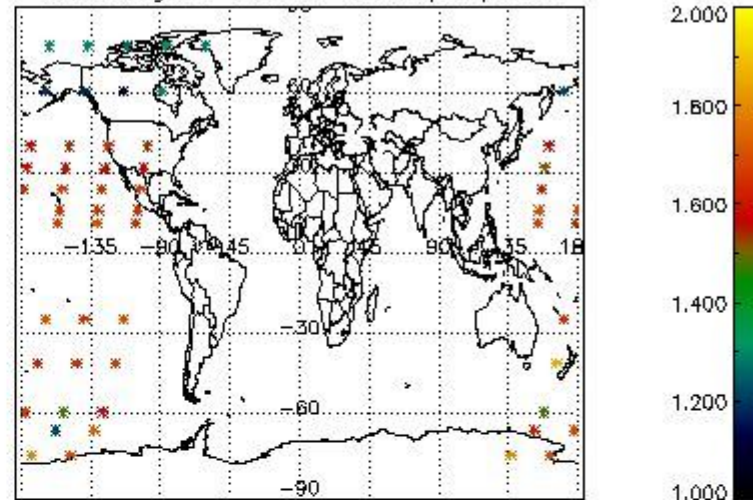


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

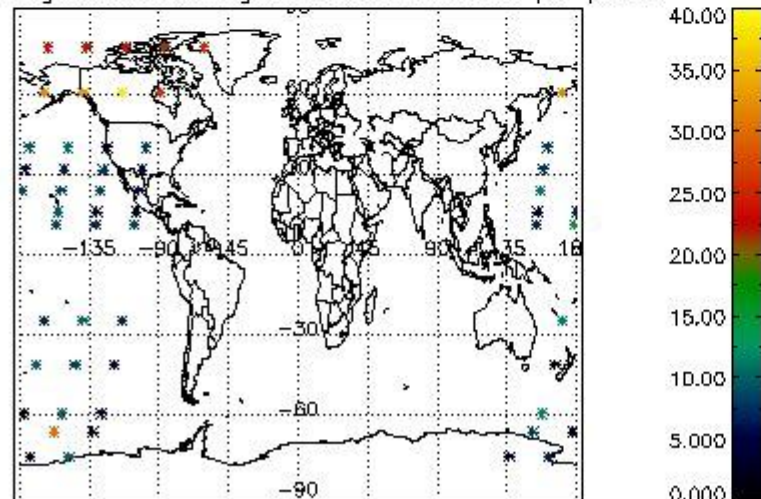
Percentage of cosmic ray hits per profile



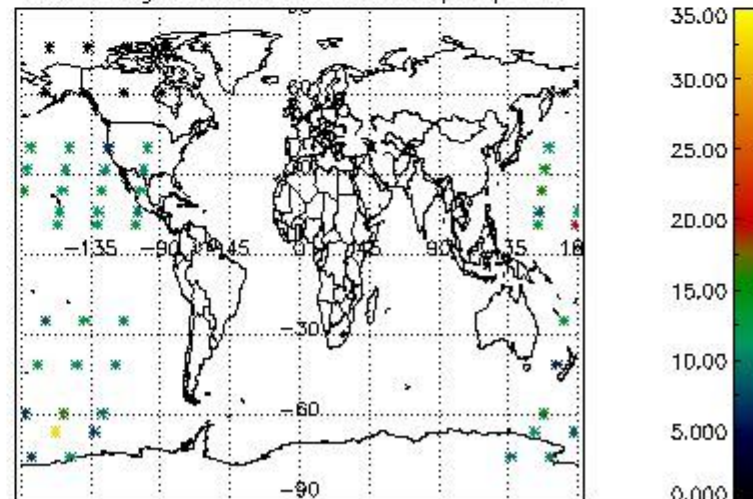
Percentage of datation errors per profile



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

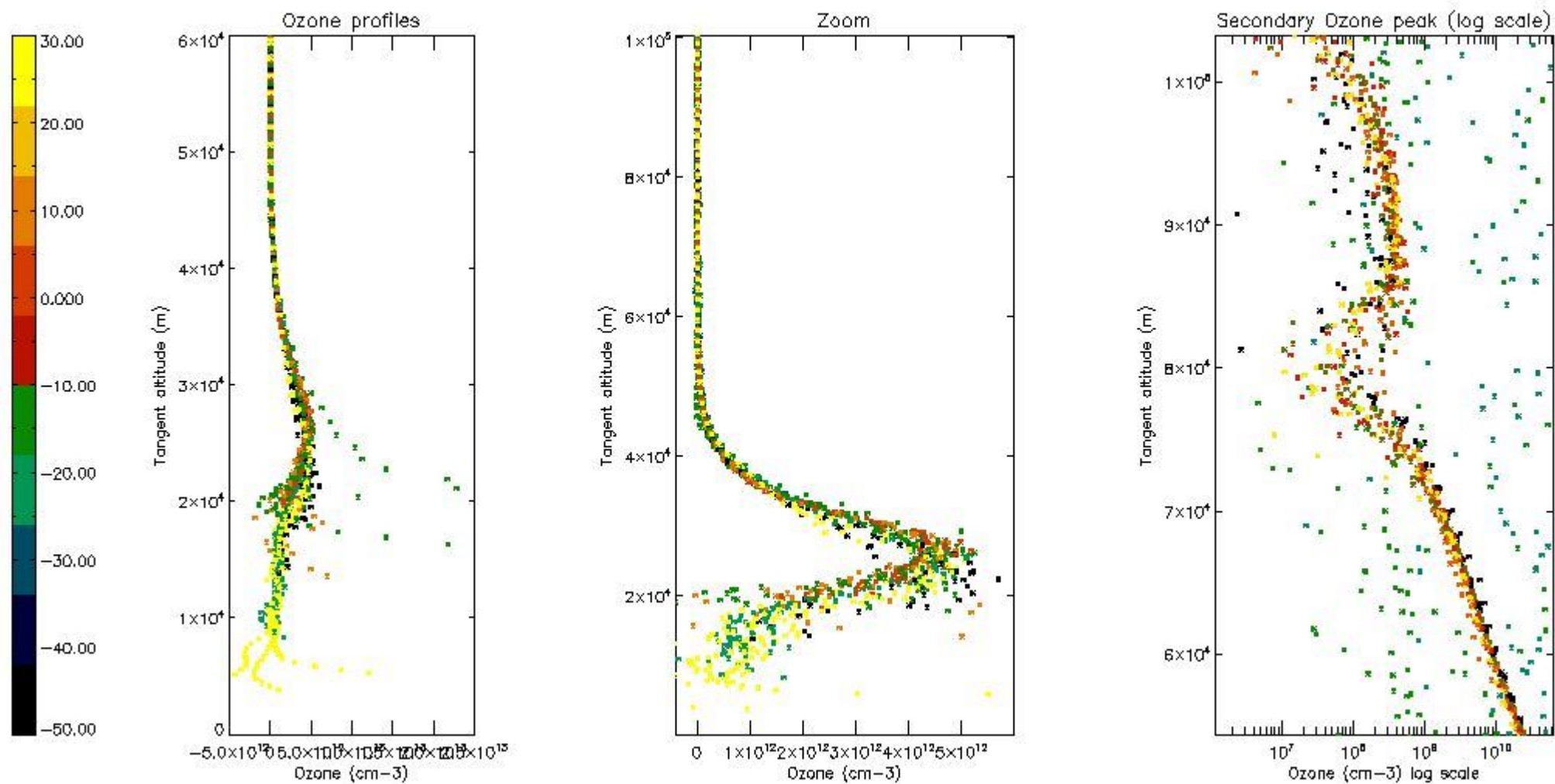
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	33
STD < 20	19

STD < 10	15
STD < 5	7

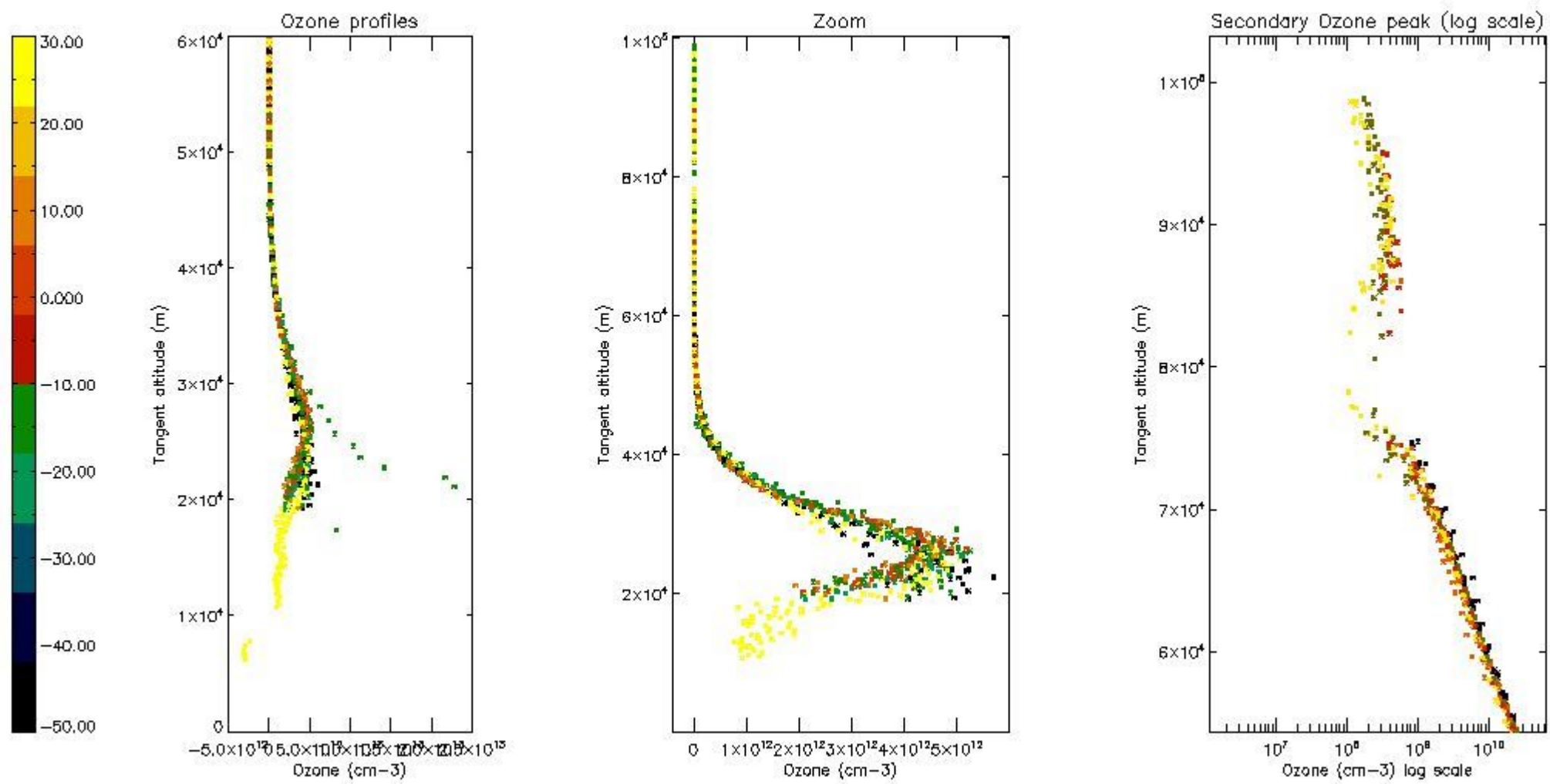
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



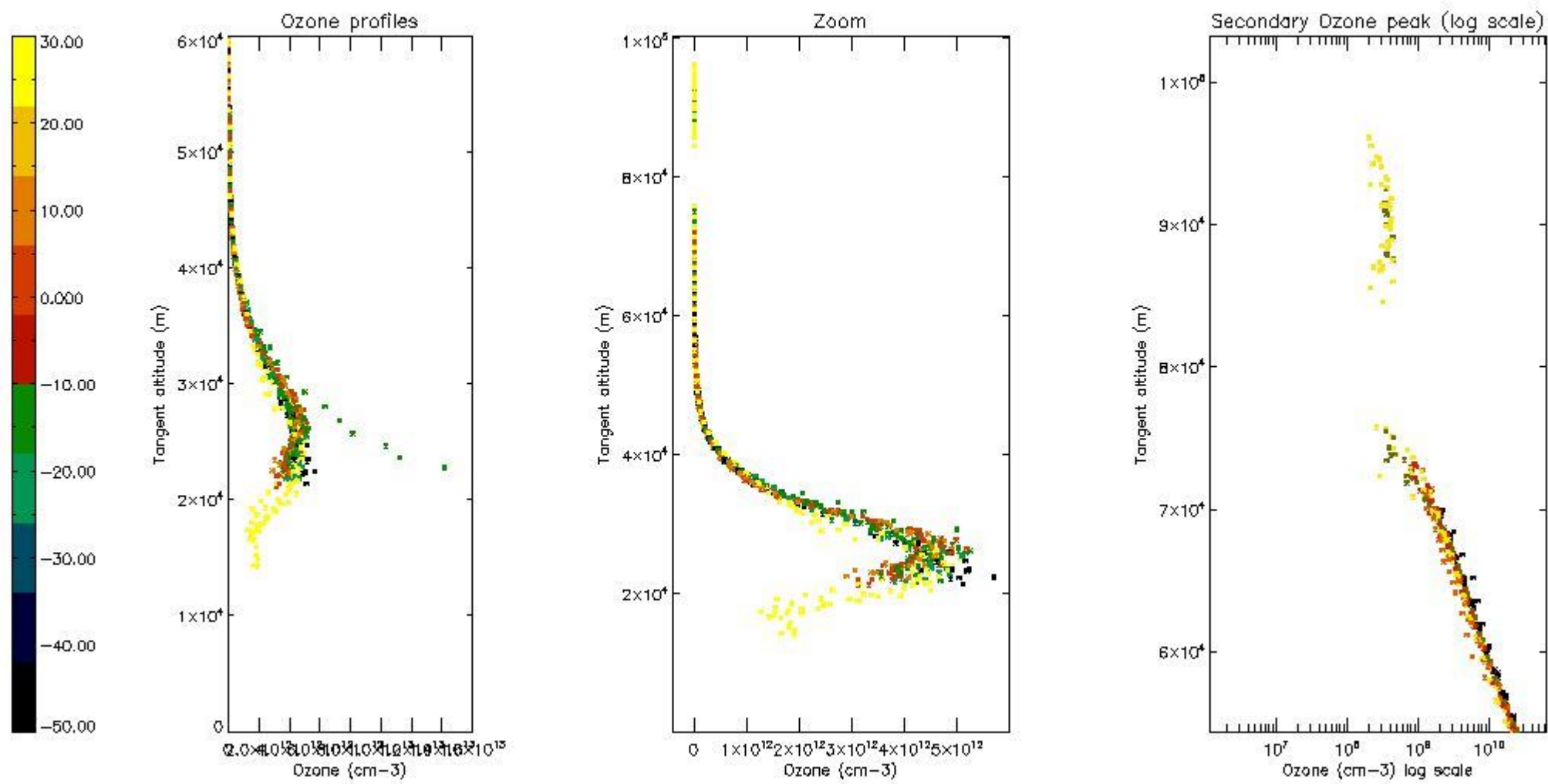
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



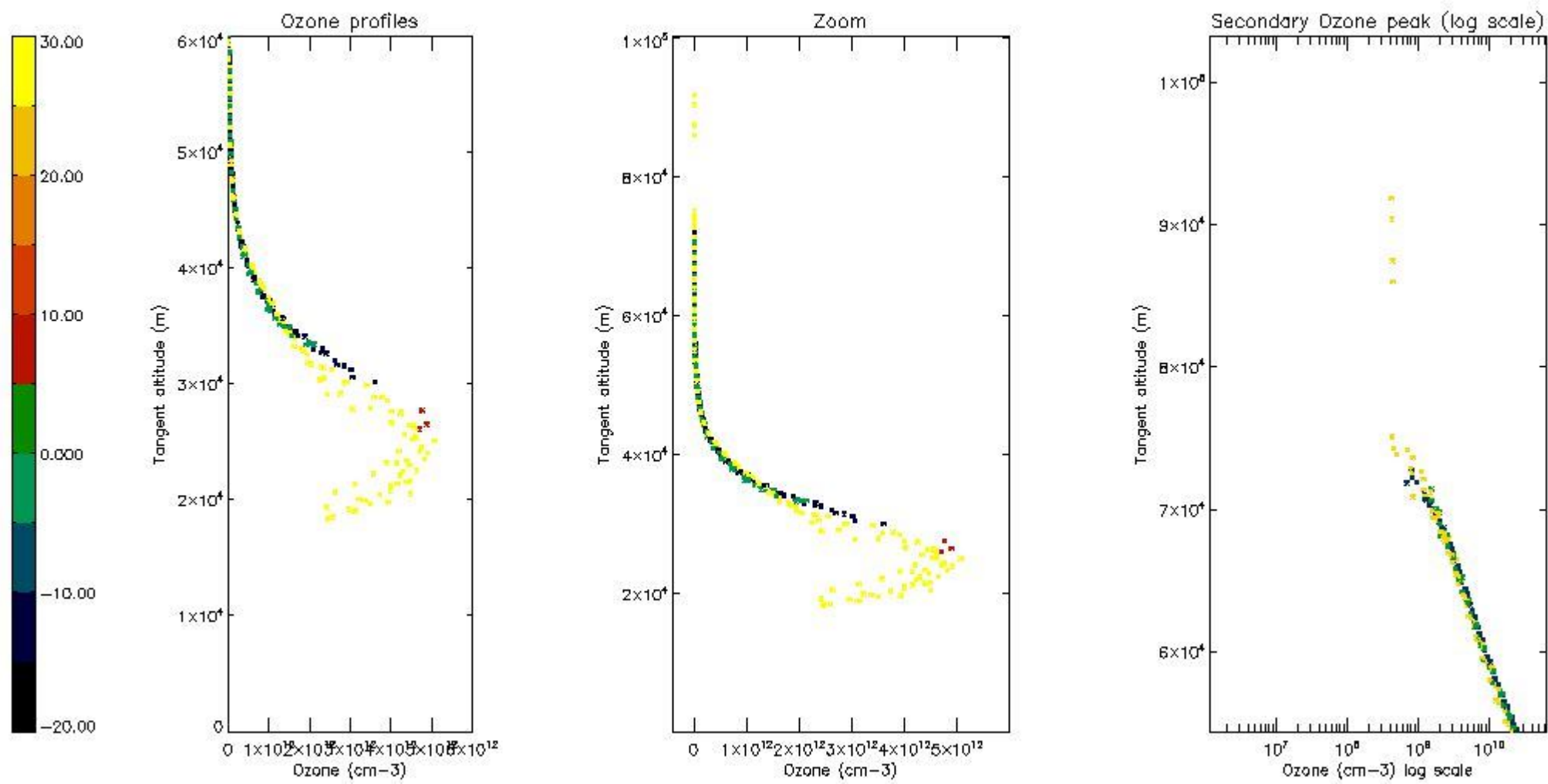
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



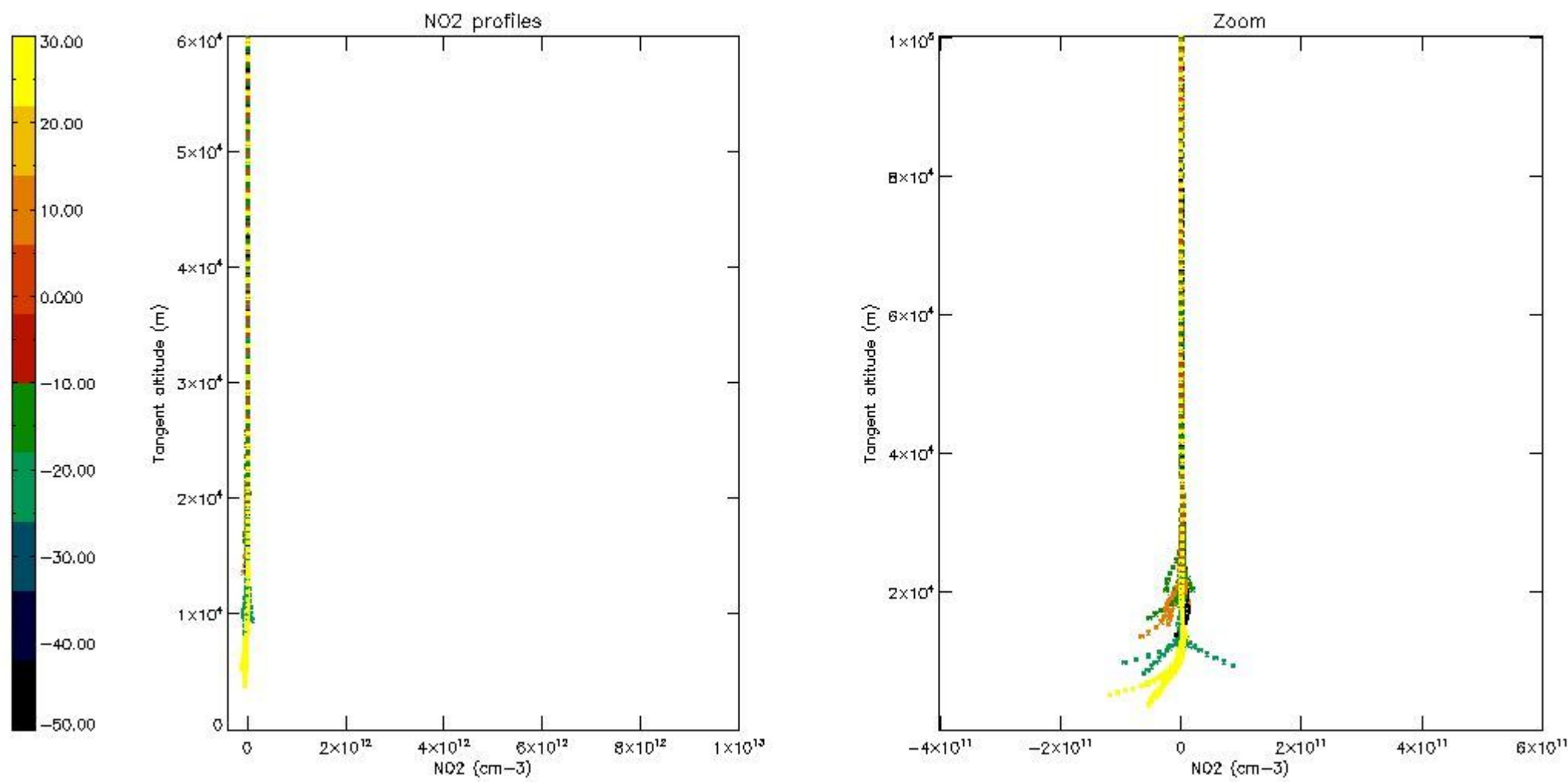
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



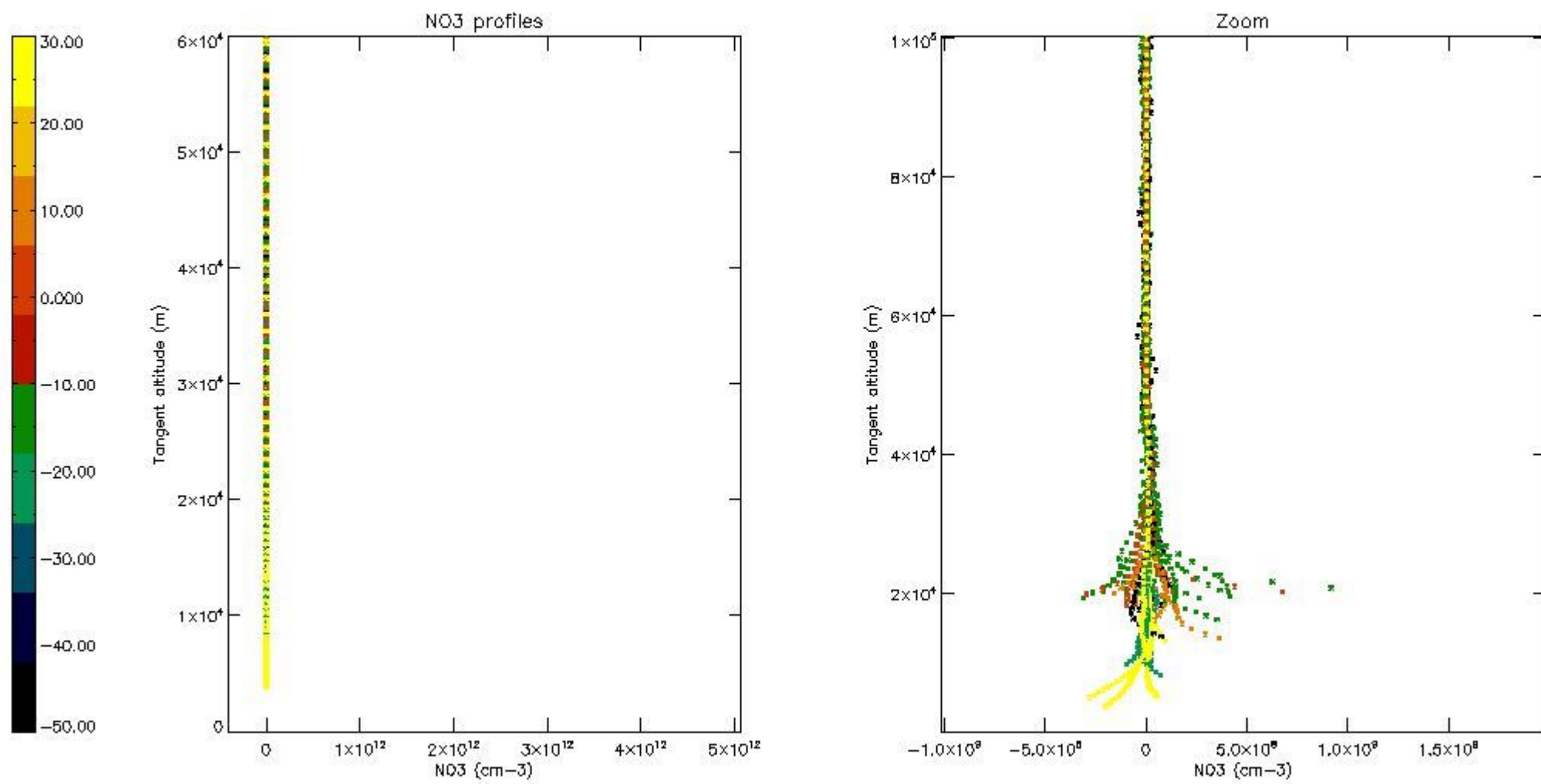
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



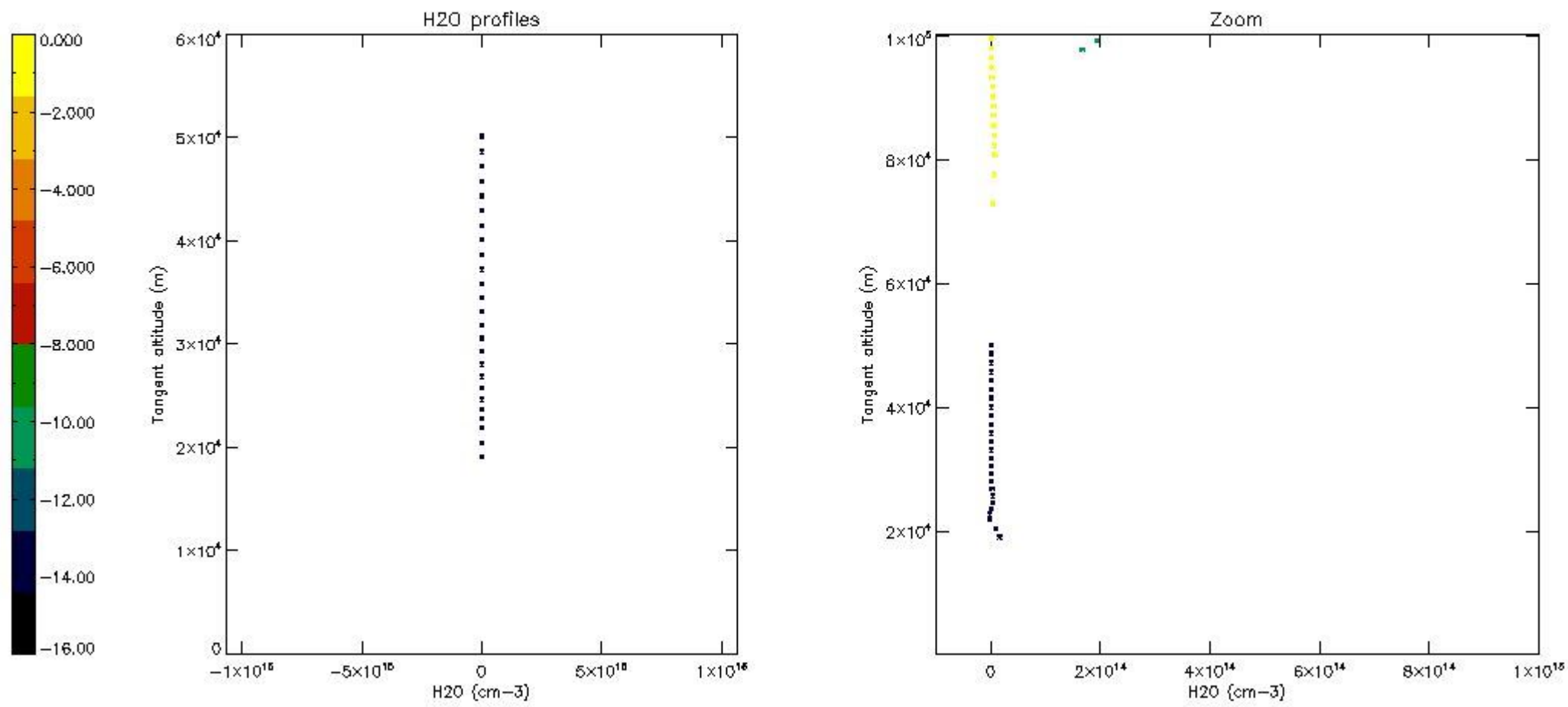
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

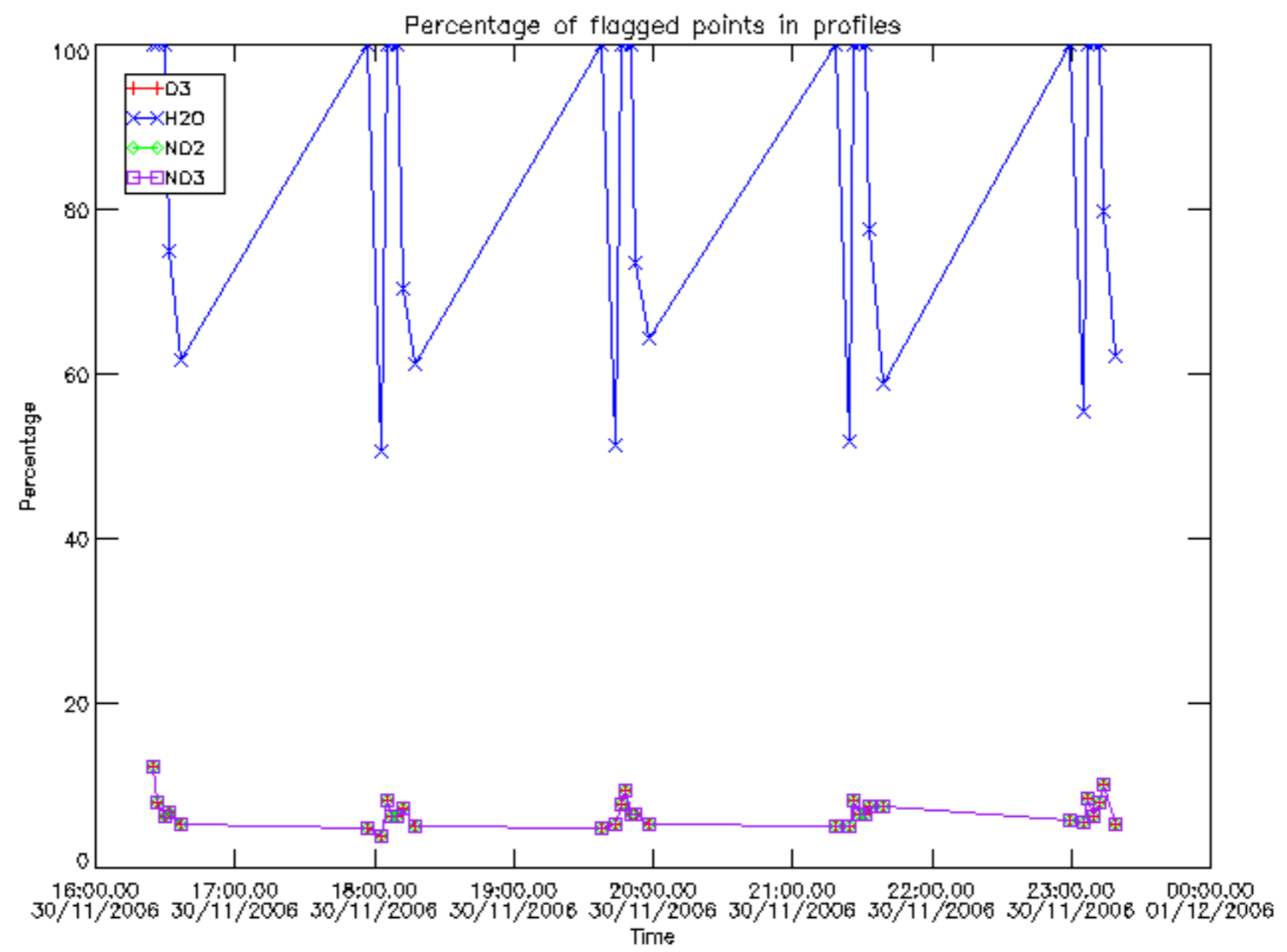
The colorbar represents the latitude.



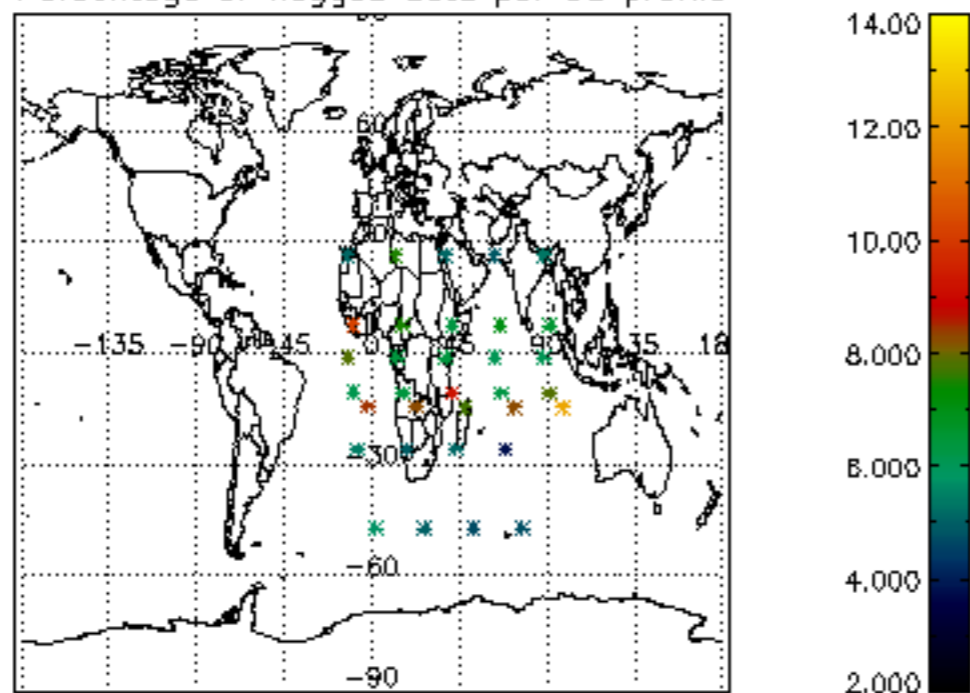
6. Auxiliary Data Files used for the production reported in section 2

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

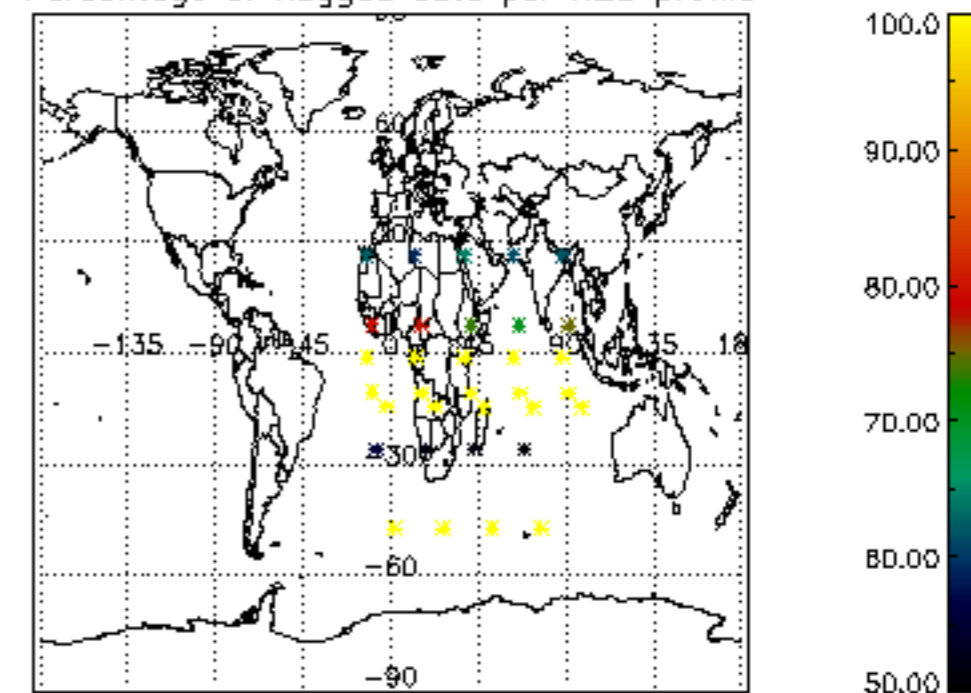
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	30-NOV-2006 16:24:50
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	30-NOV-2006 16:24:50
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	30-NOV-2006 16:24:50



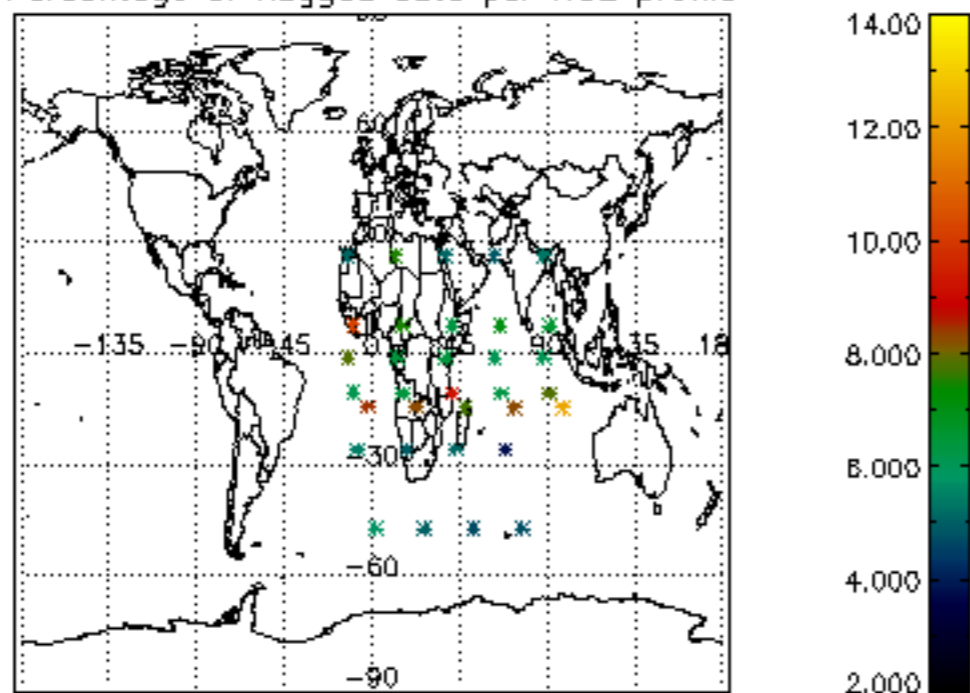
Percentage of flagged data per D3 profile



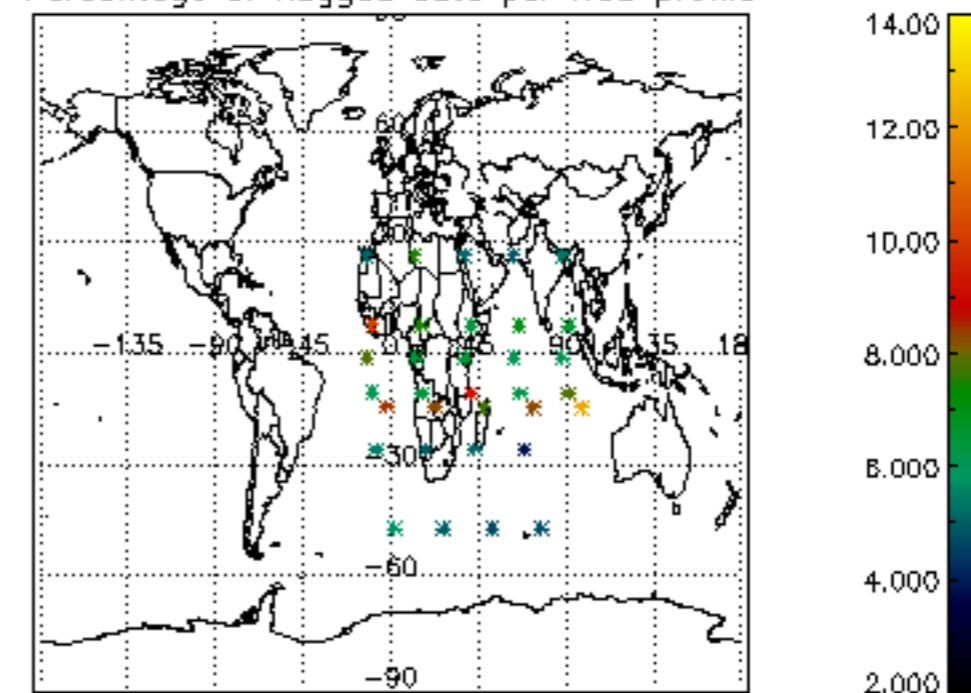
Percentage of flagged data per H2O profile

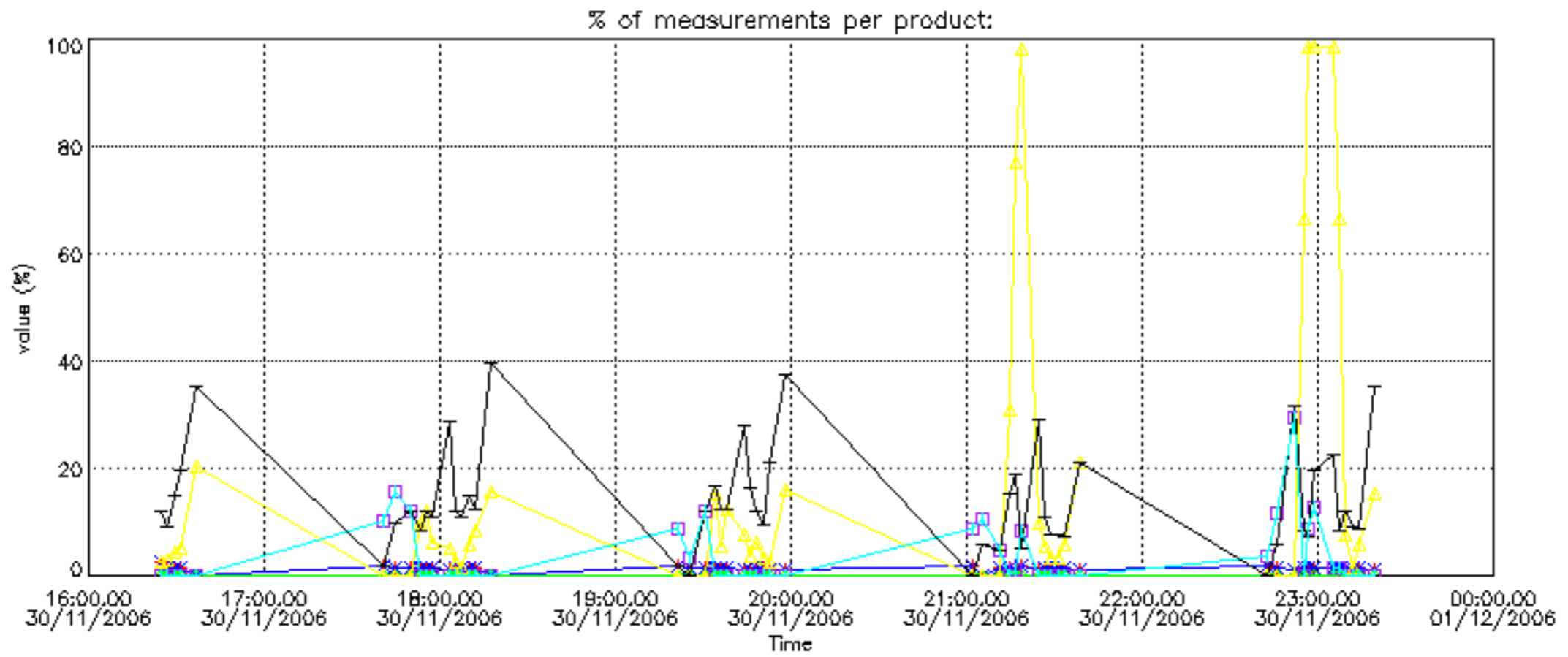


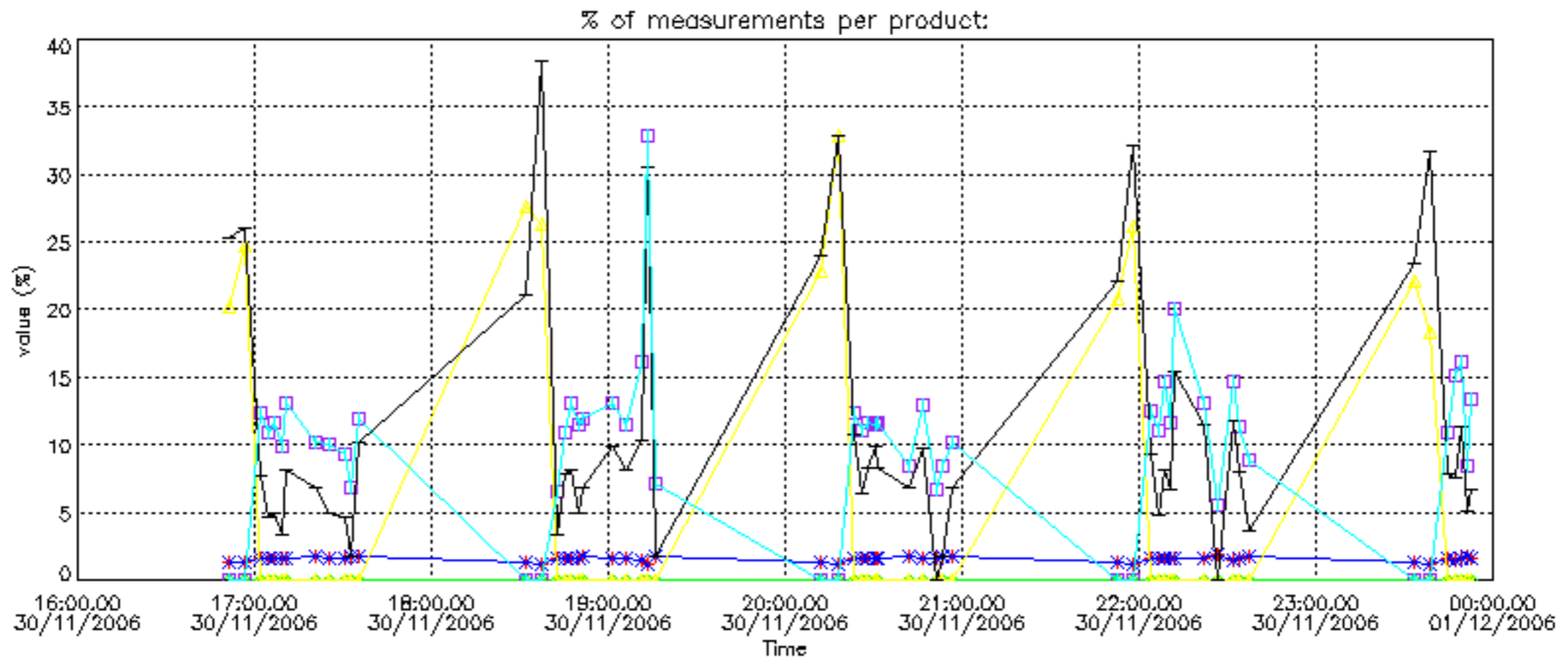
Percentage of flagged data per NO2 profile



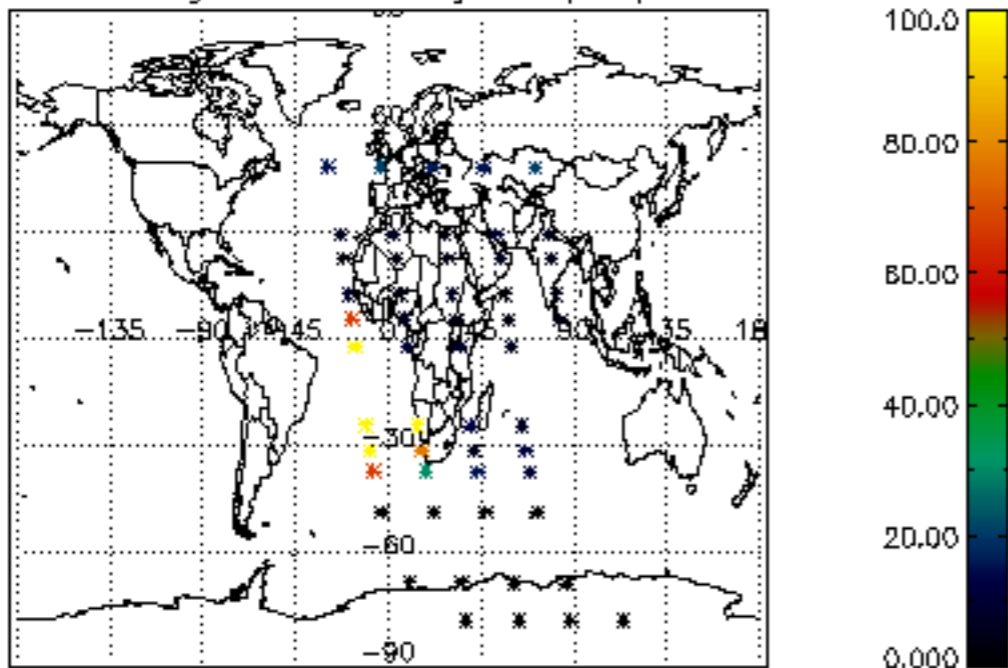
Percentage of flagged data per NO3 profile



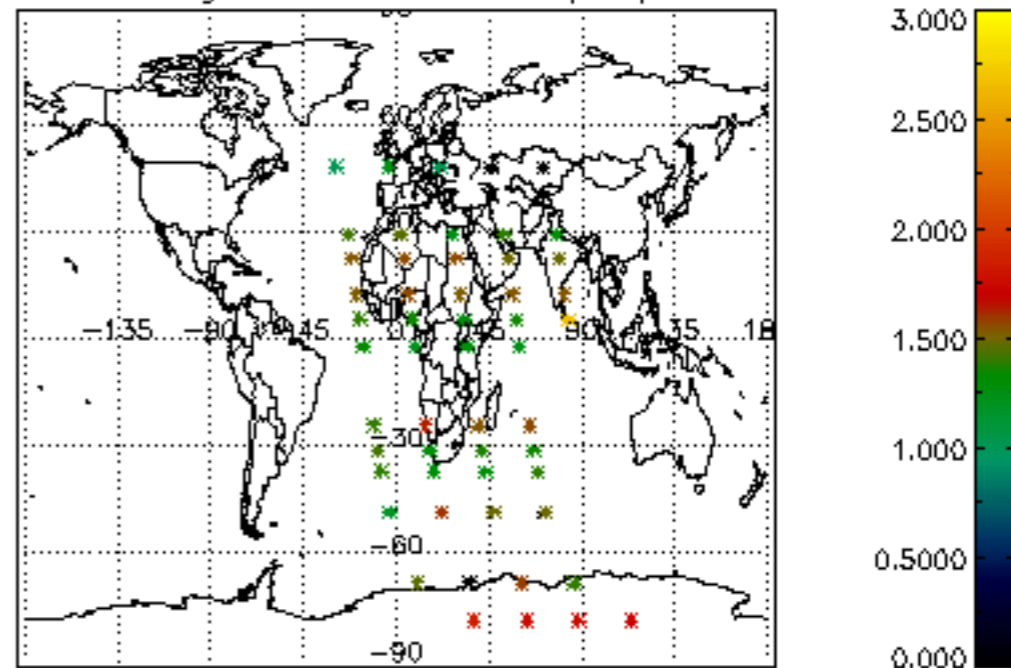




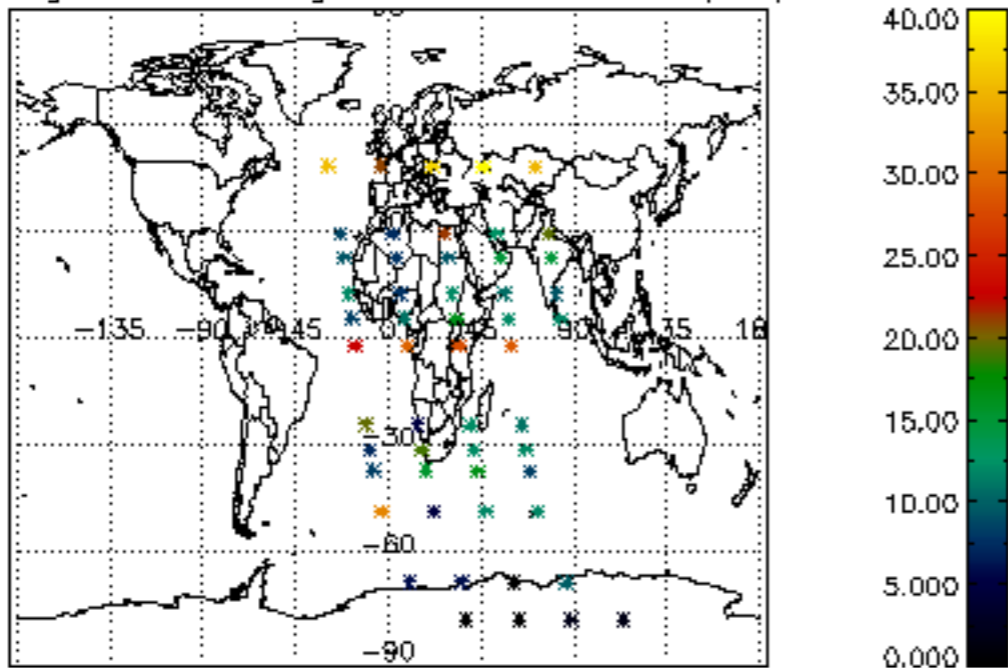
Percentage of cosmic ray hits per profile



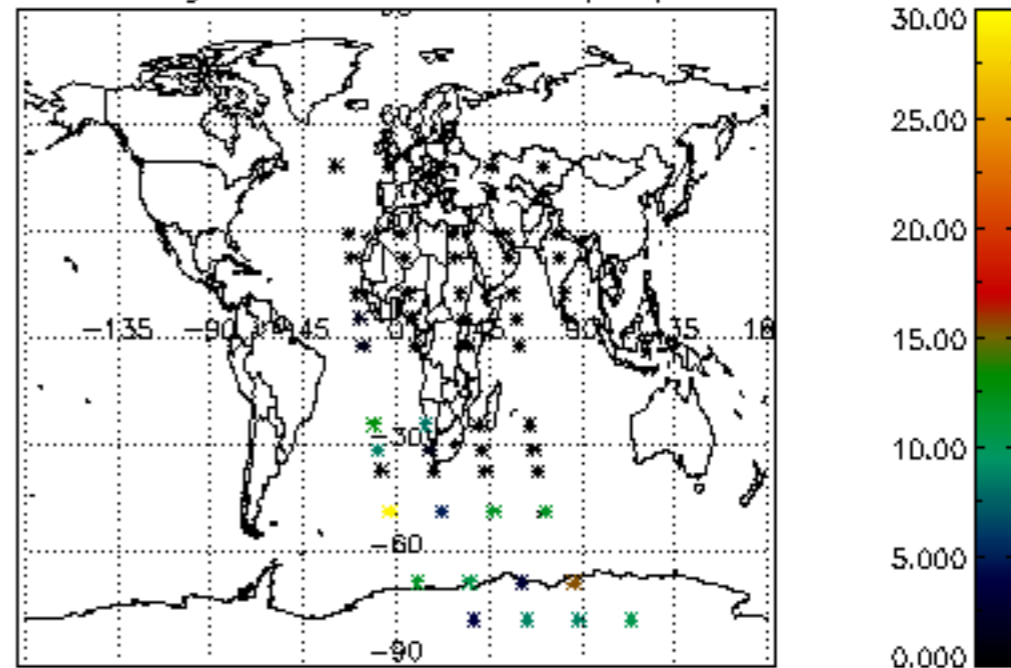
Percentage of datation errors per profile



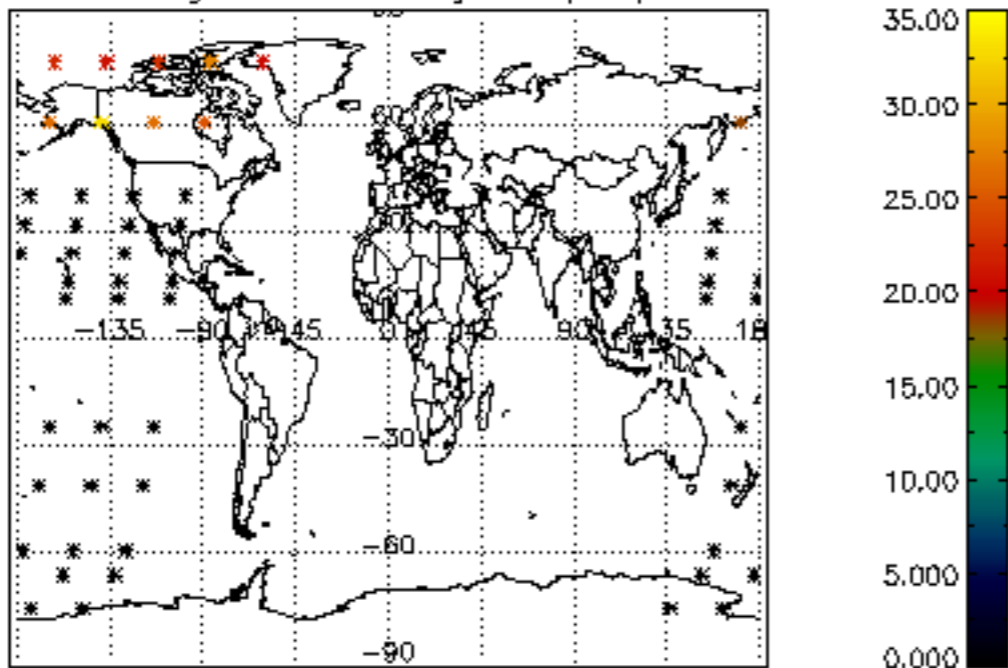
Percentage of star falling outside central band per profile



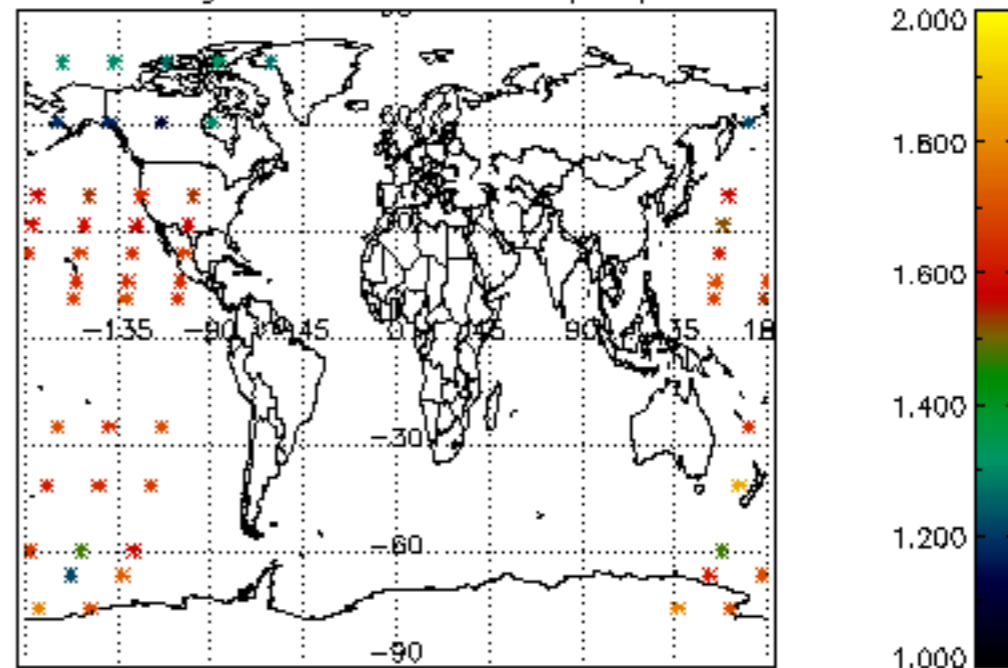
Percentage of saturation errors per profile



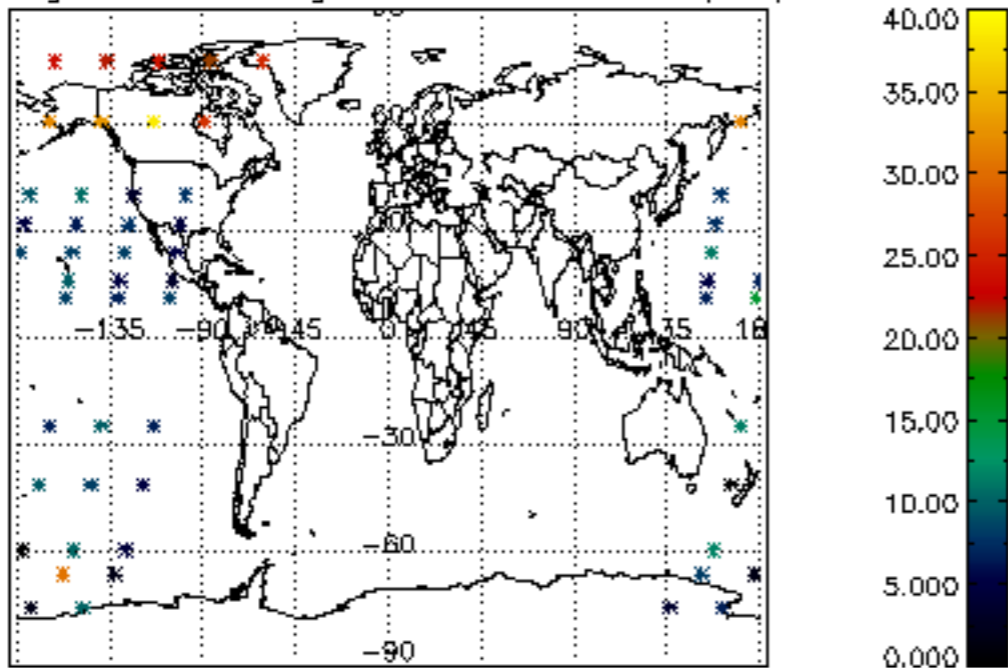
Percentage of cosmic ray hits per profile



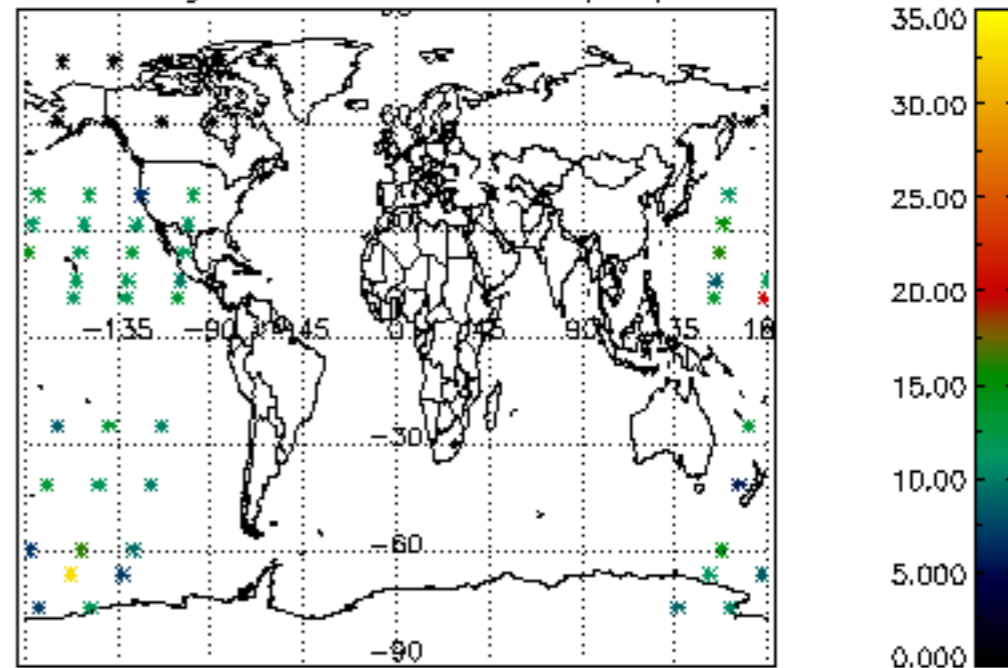
Percentage of datation errors per profile

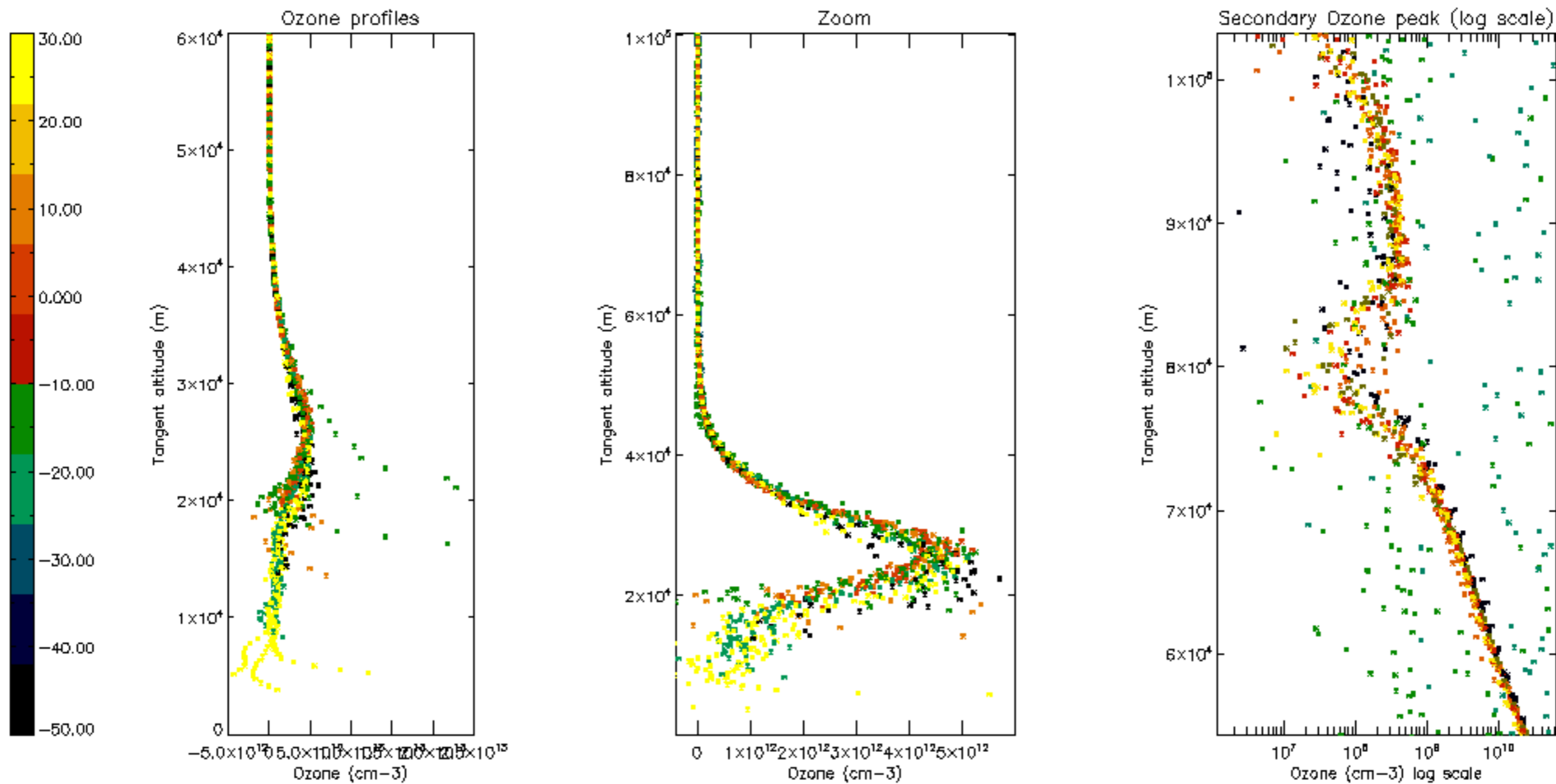


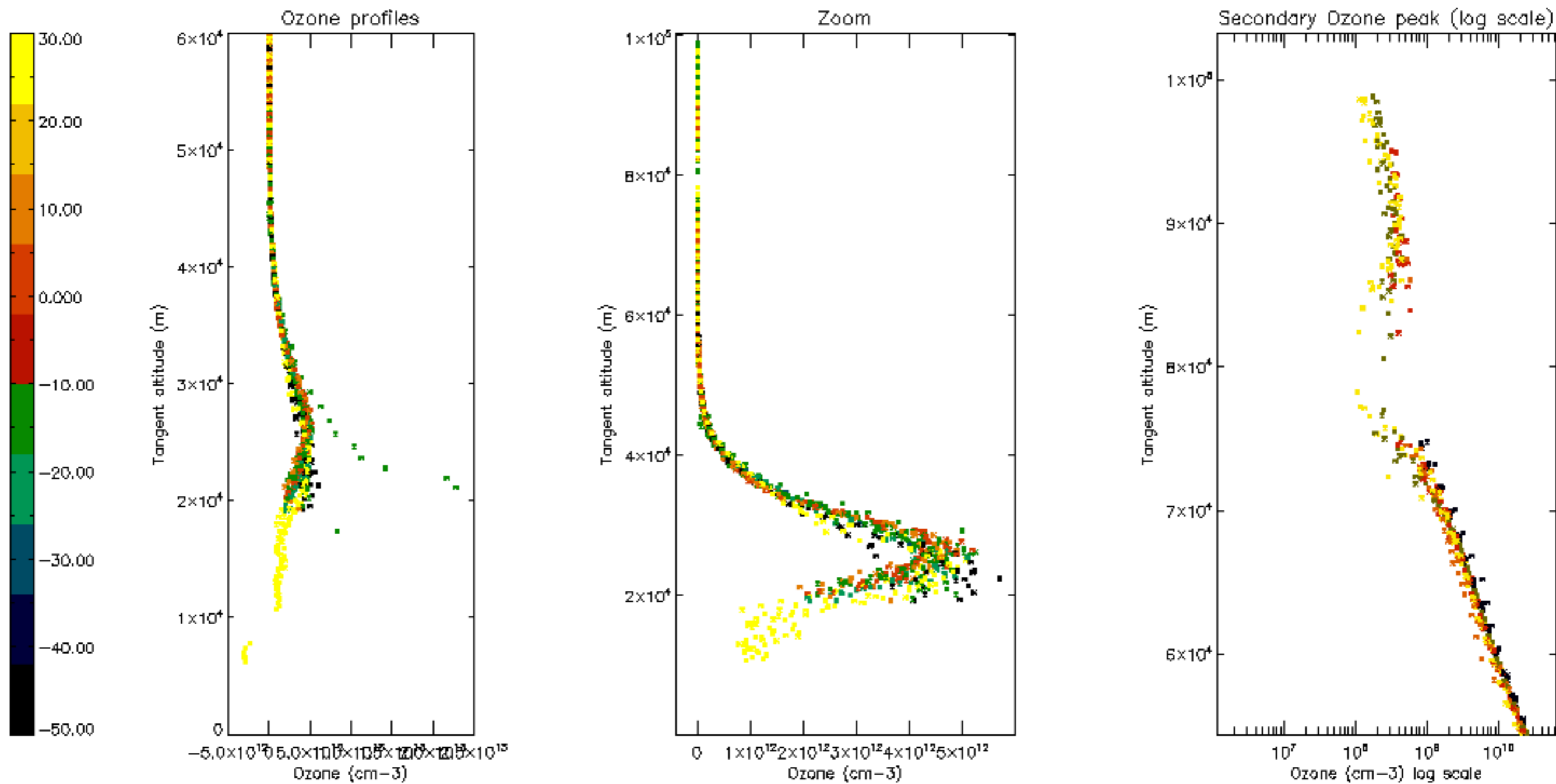
Percentage of star falling outside central band per profile

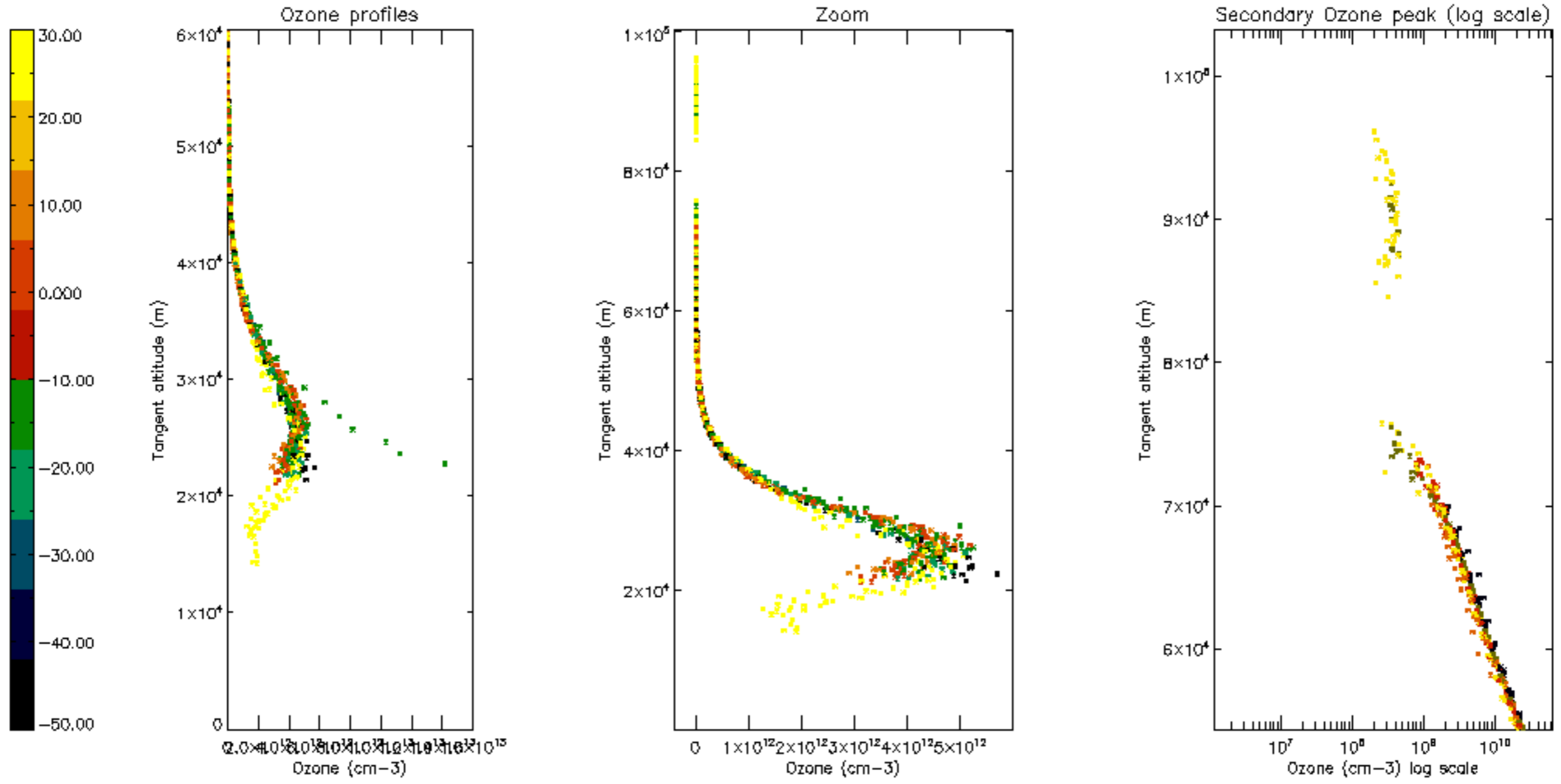


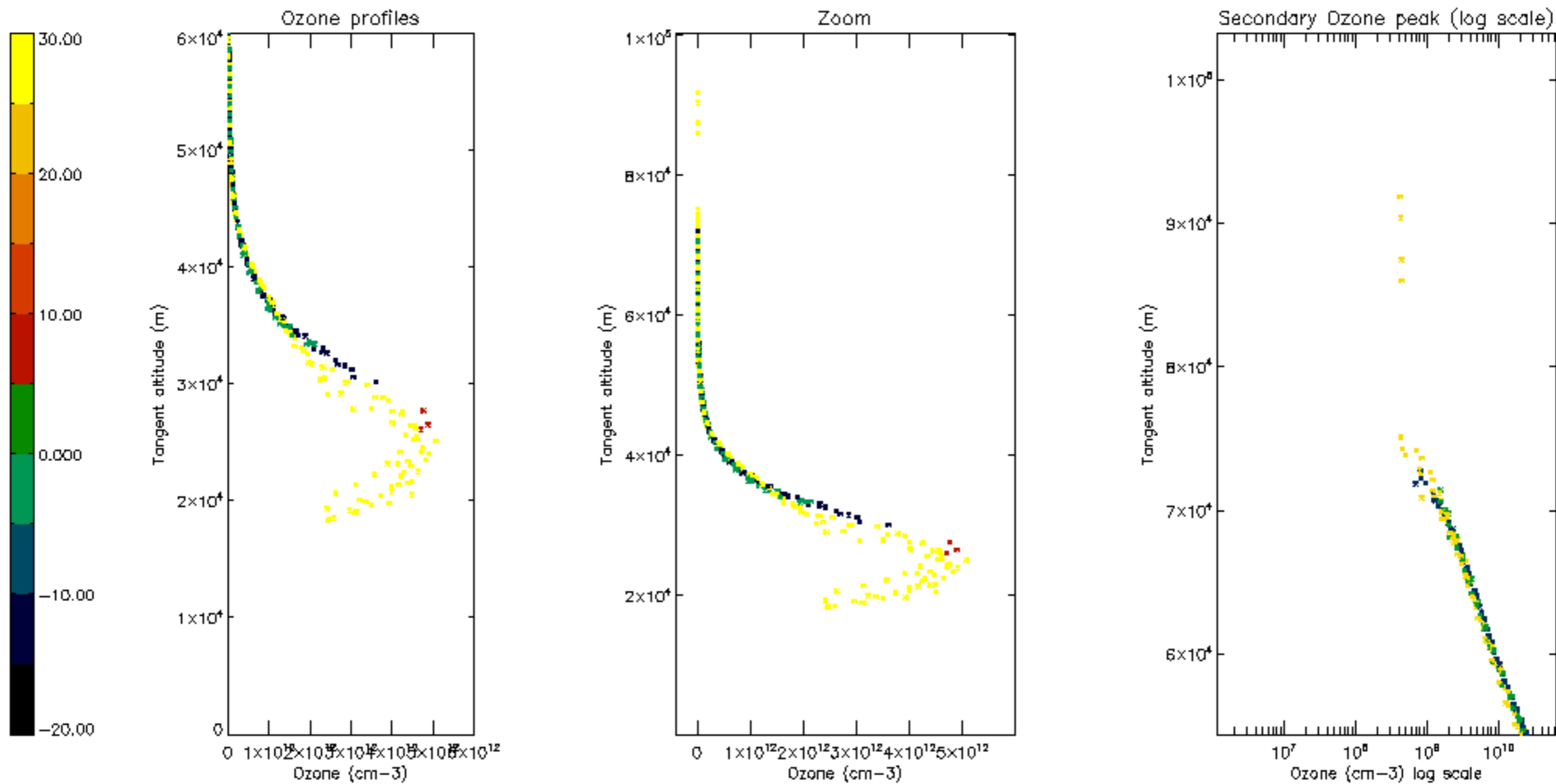
Percentage of saturation errors per profile

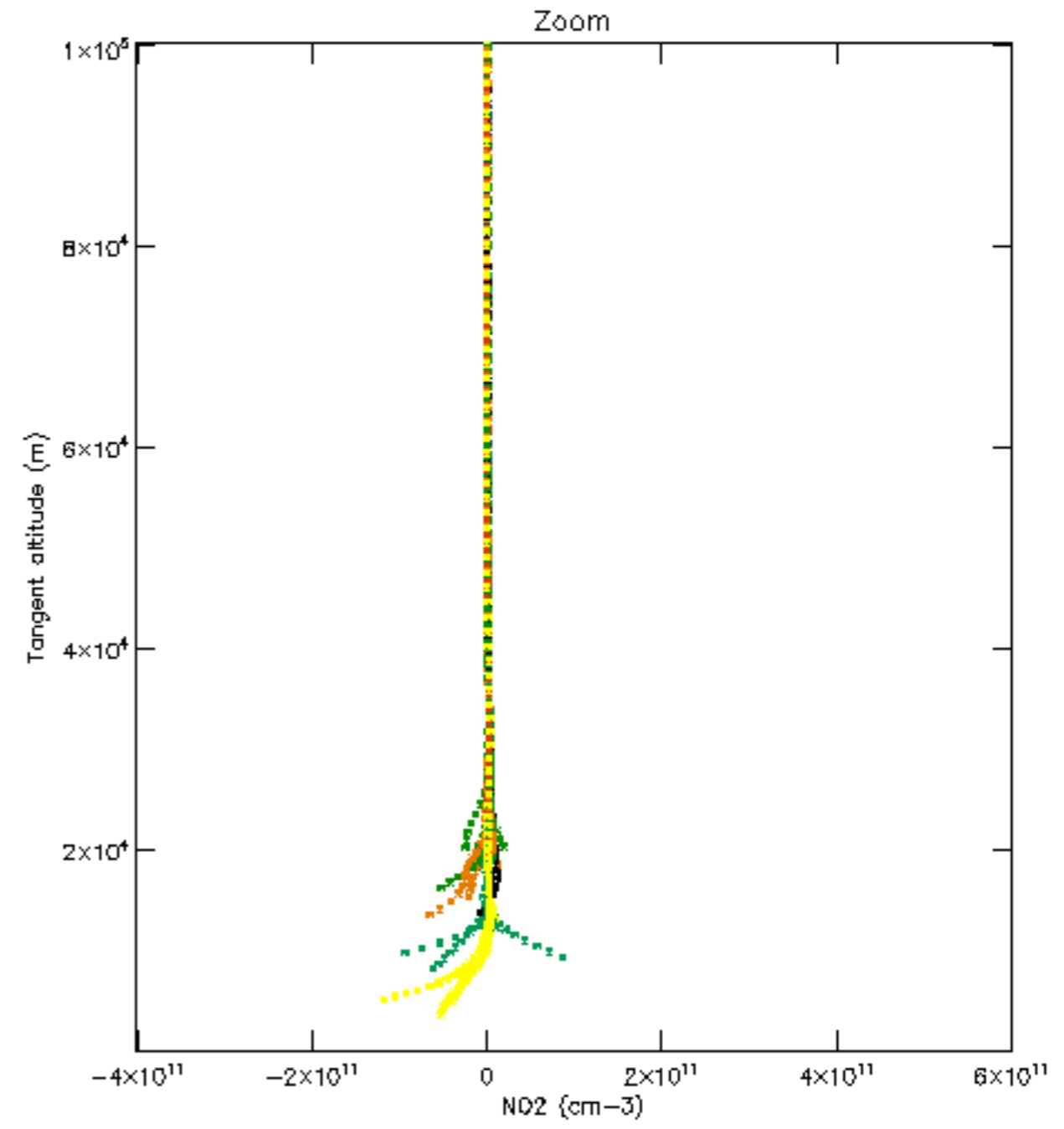
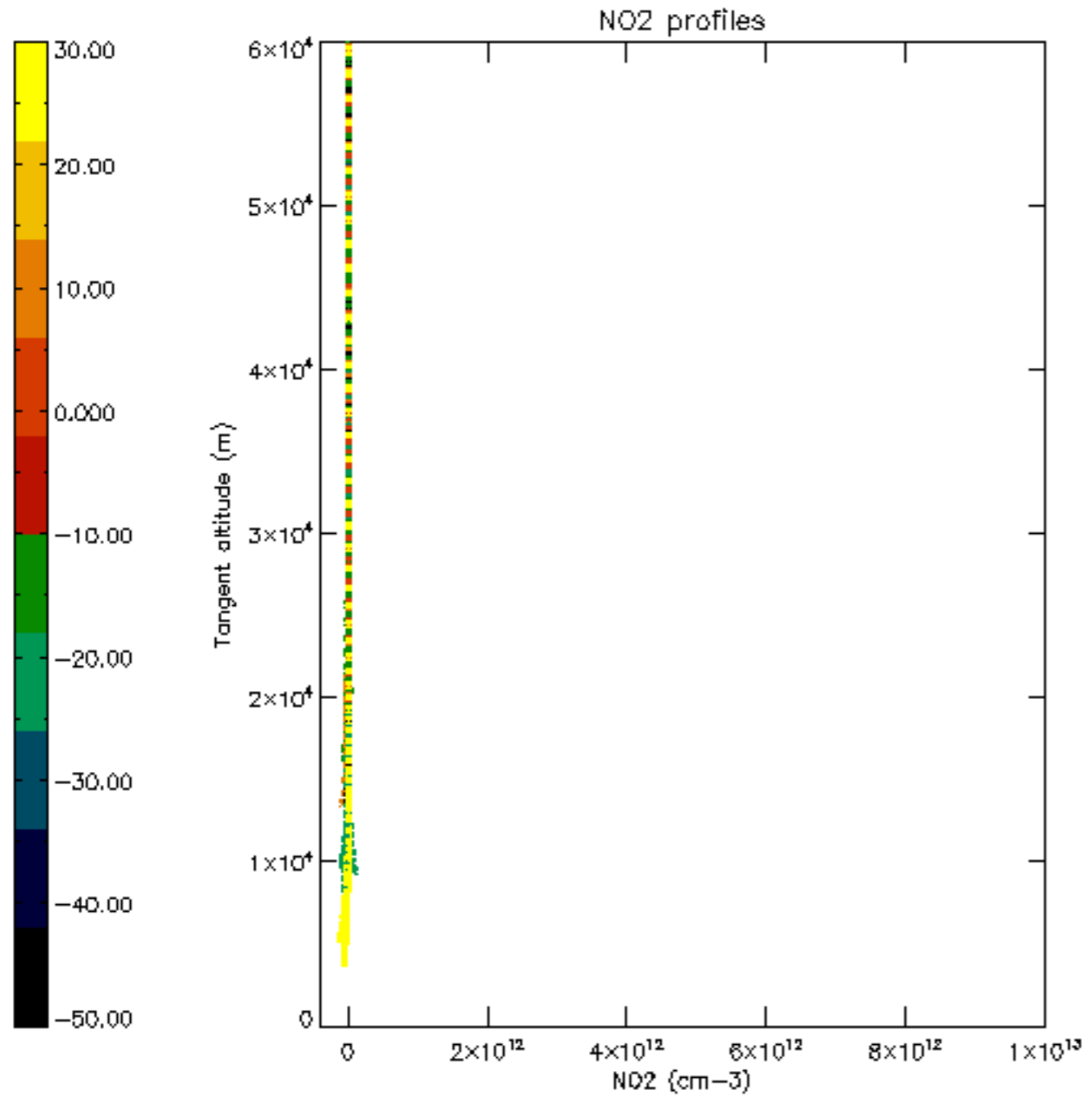


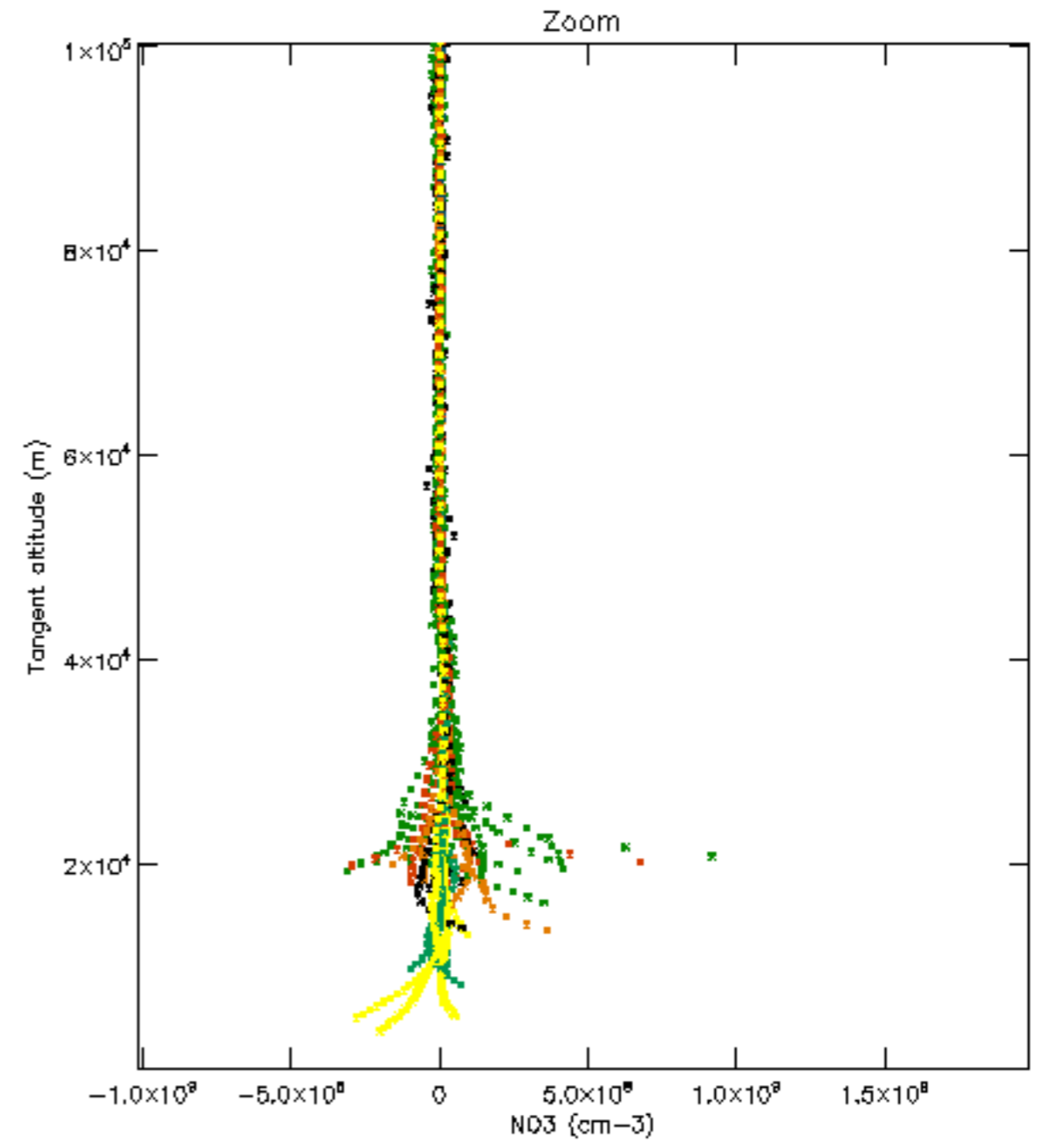
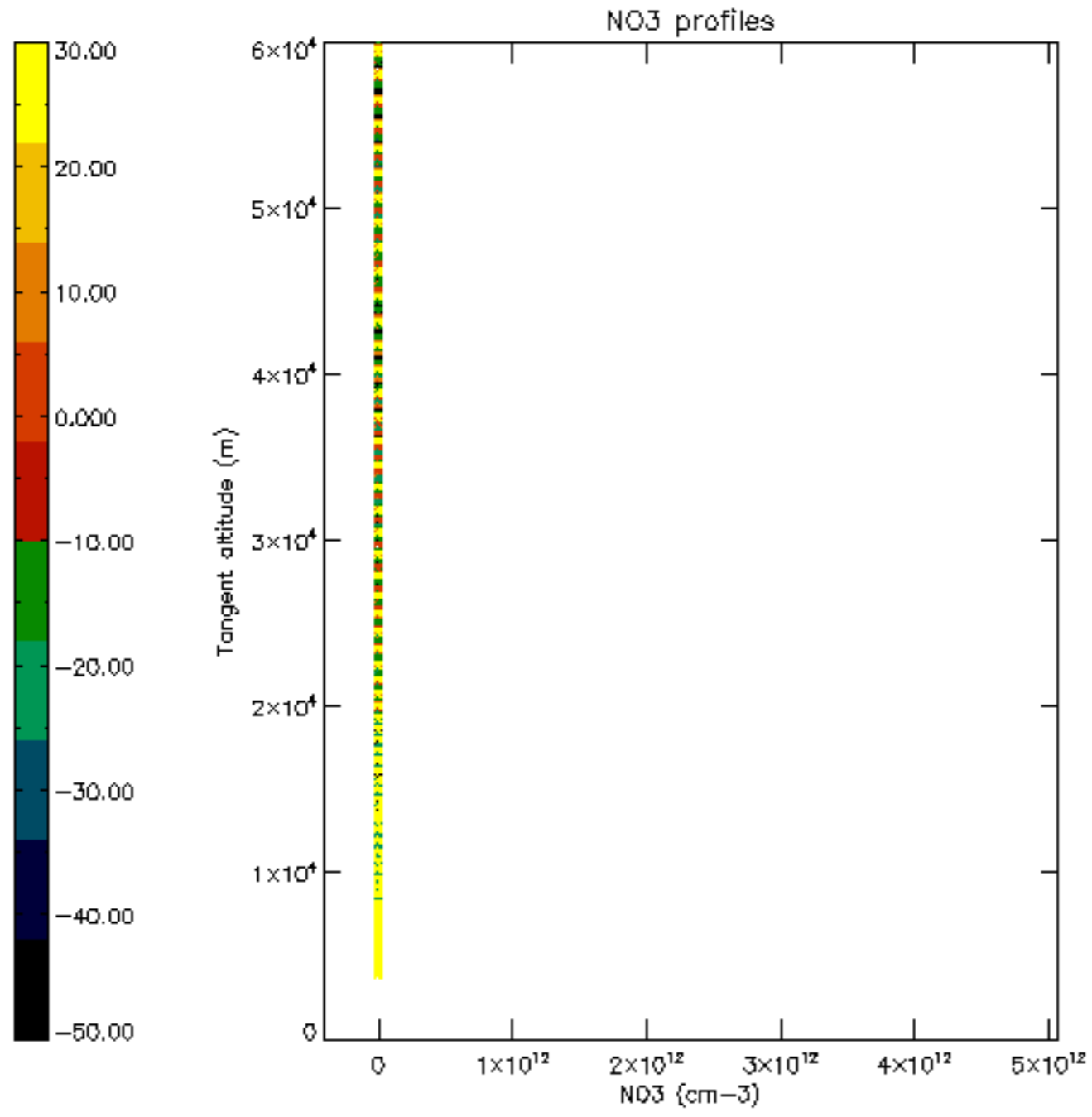


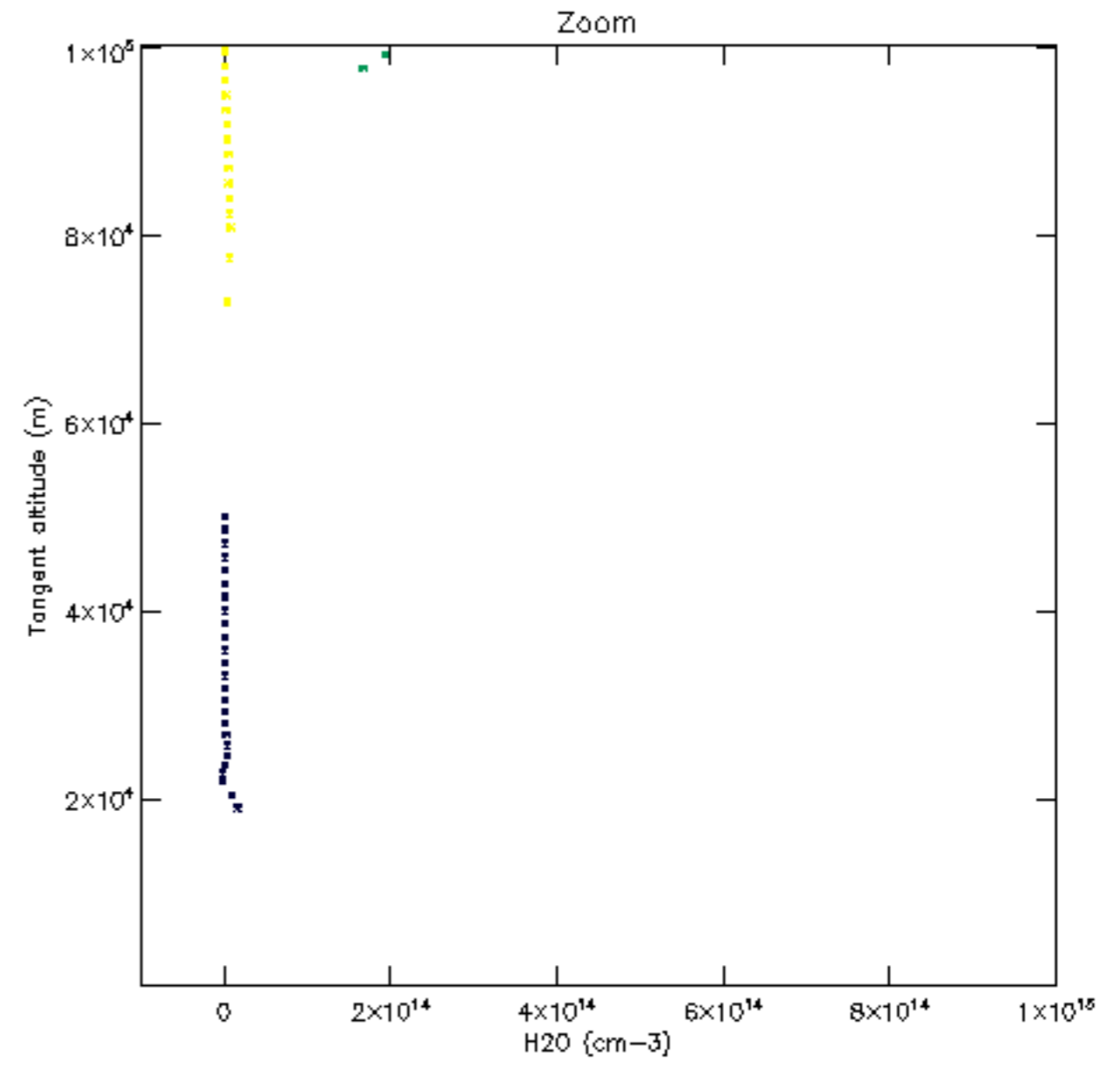
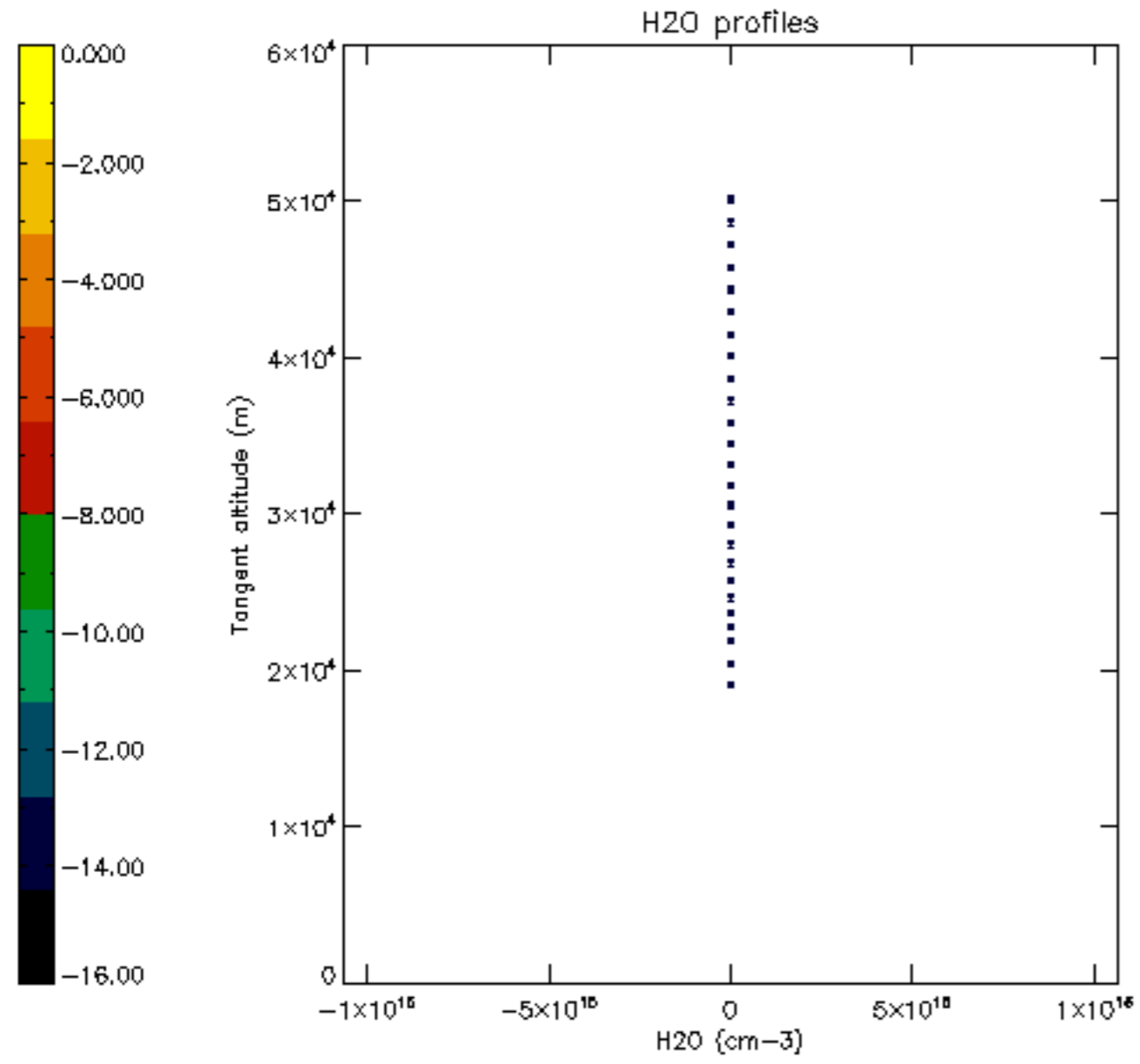


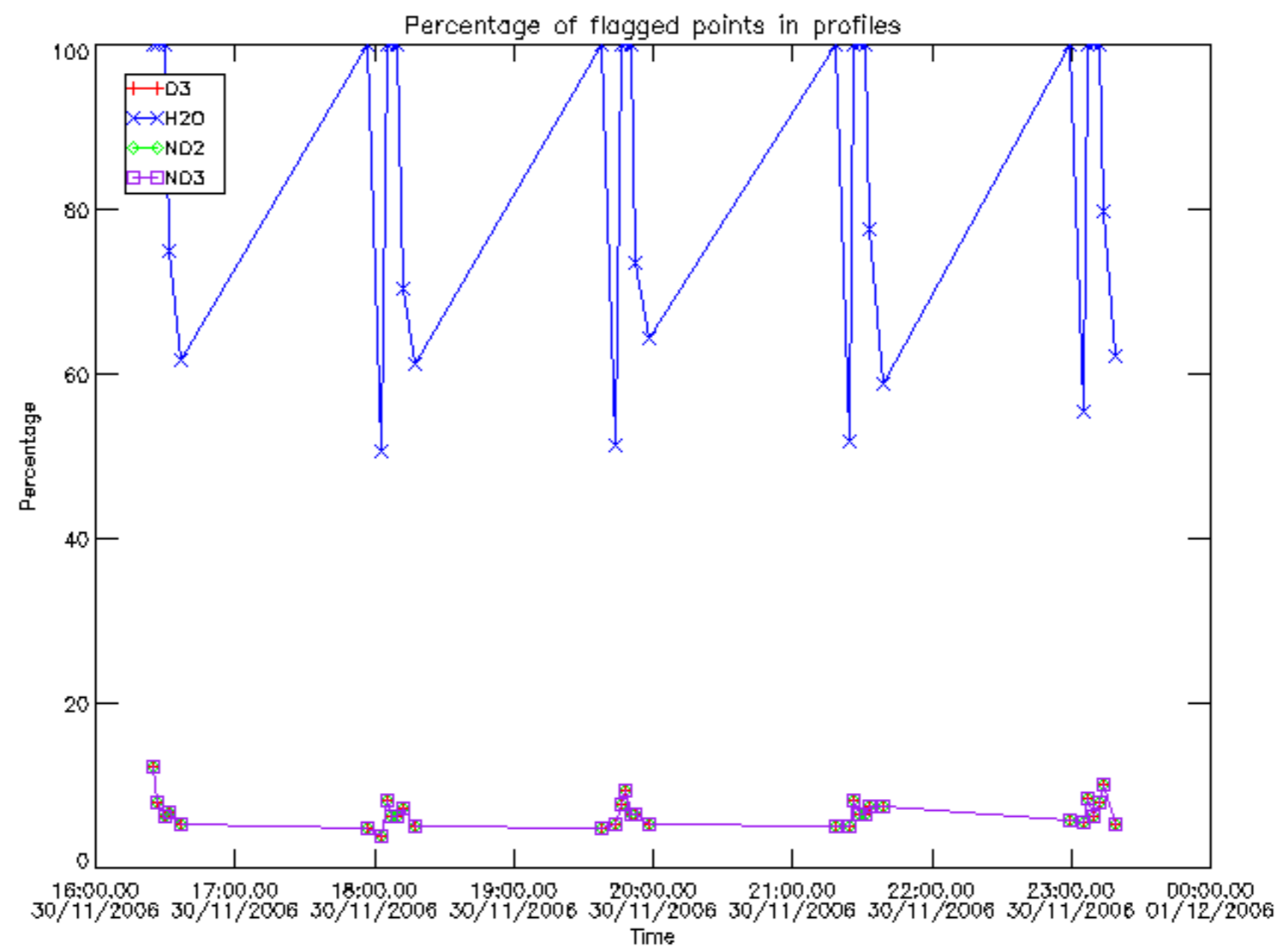




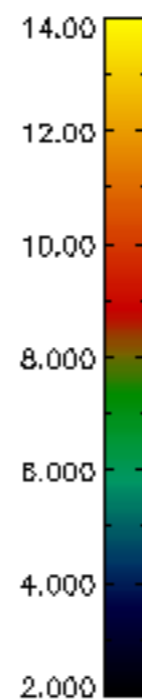
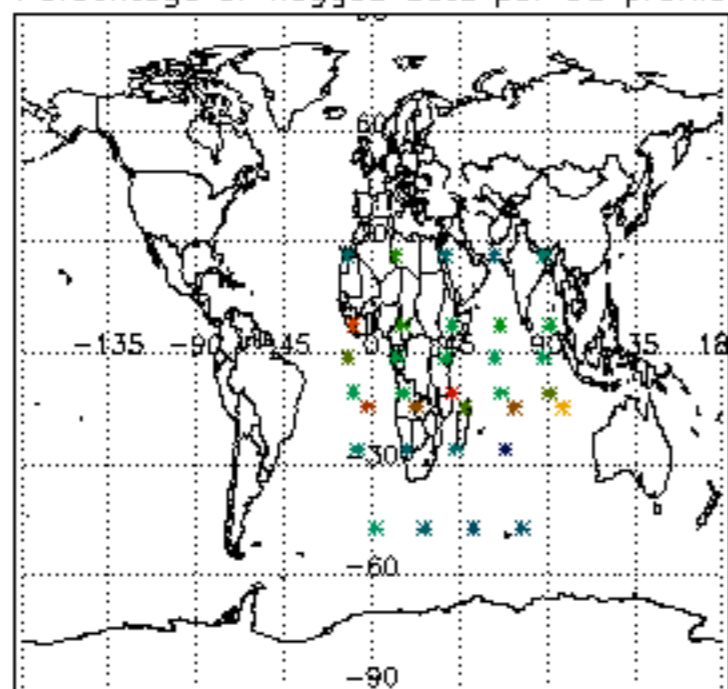




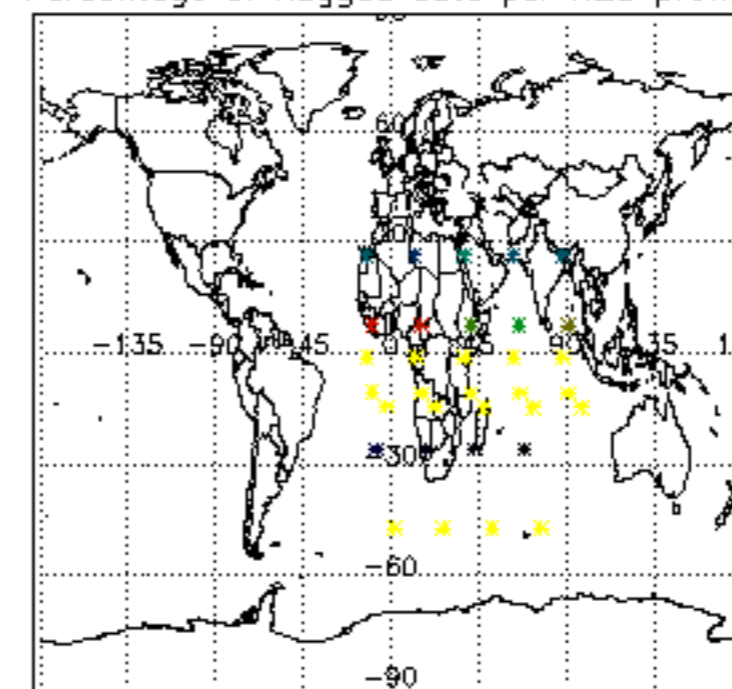




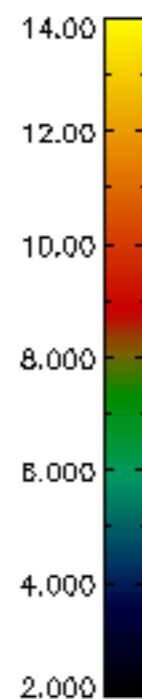
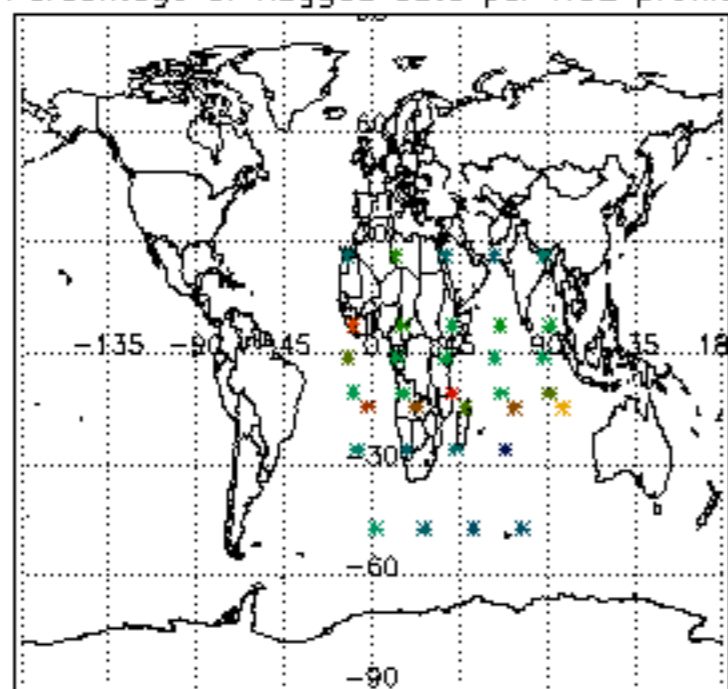
Percentage of flagged data per D3 profile



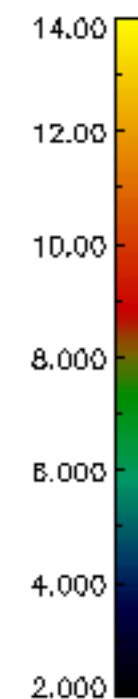
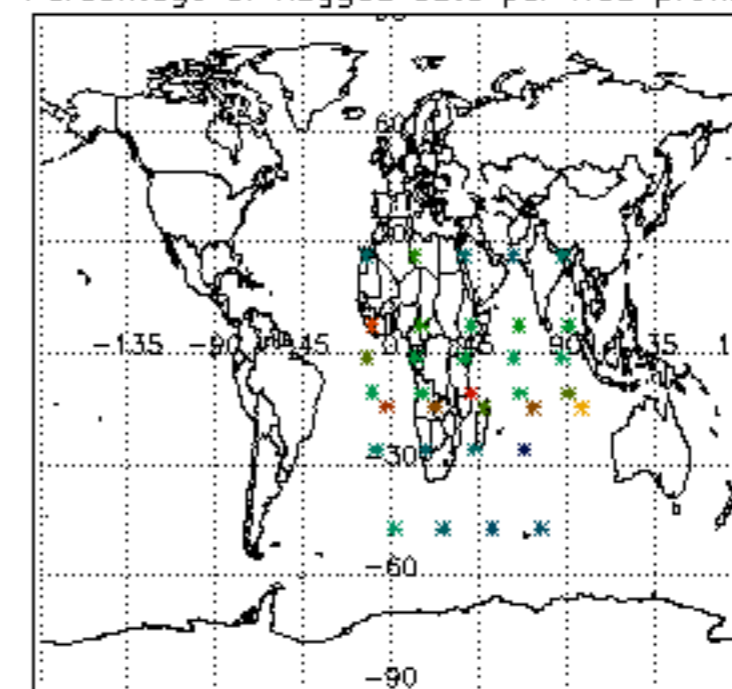
Percentage of flagged data per H2O profile

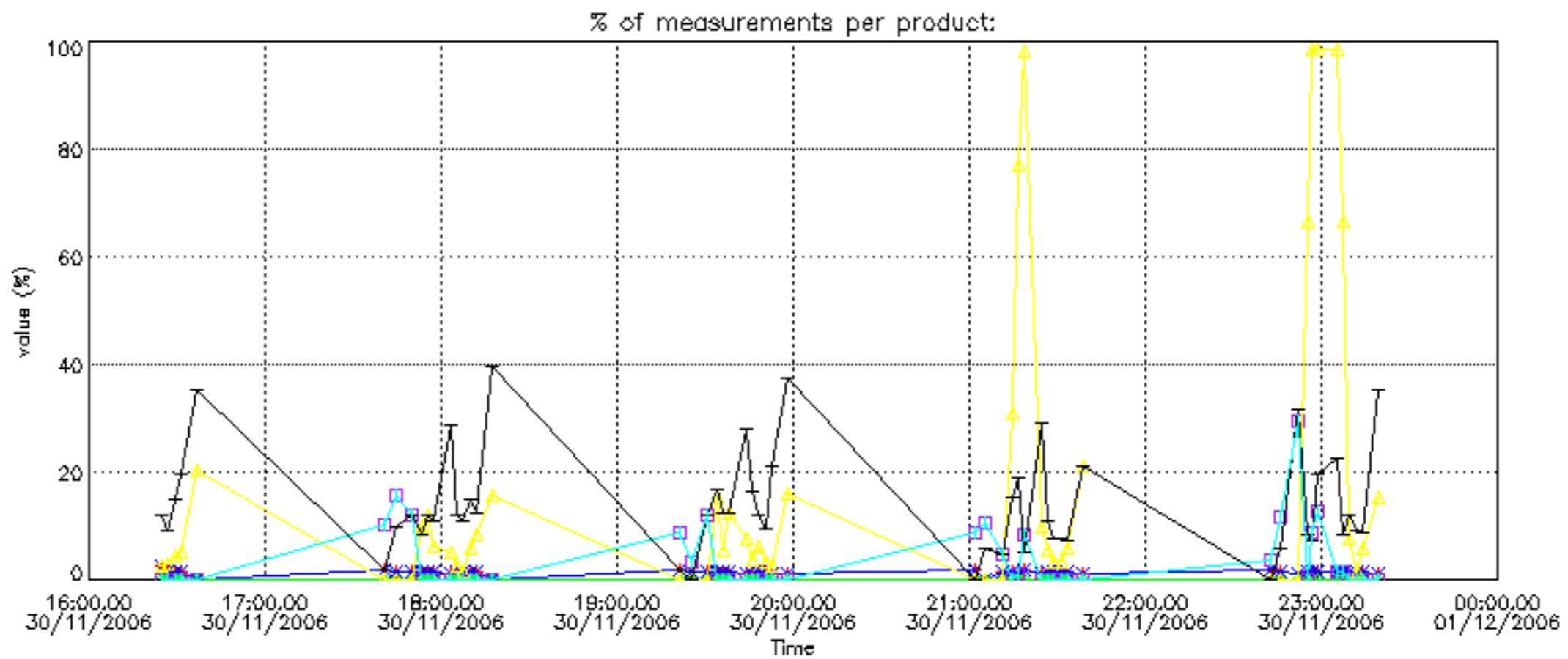


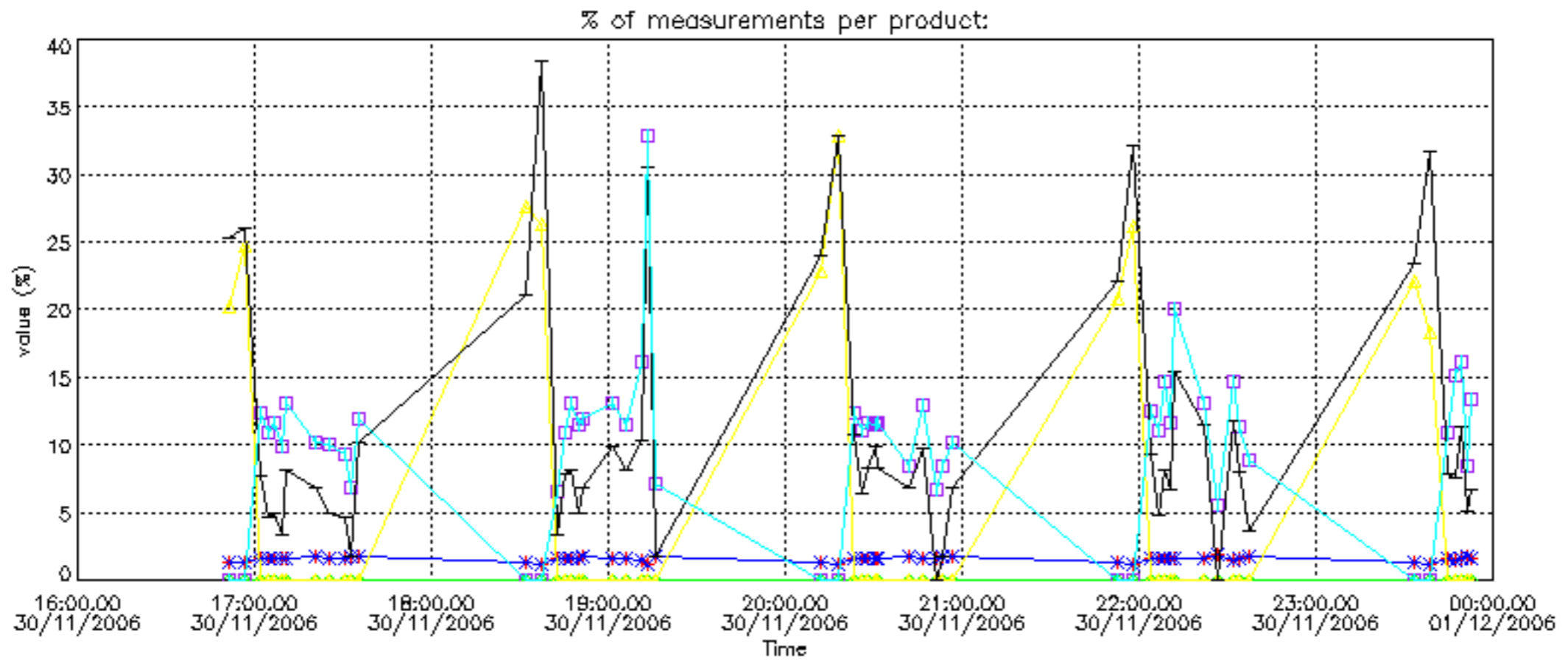
Percentage of flagged data per NO2 profile



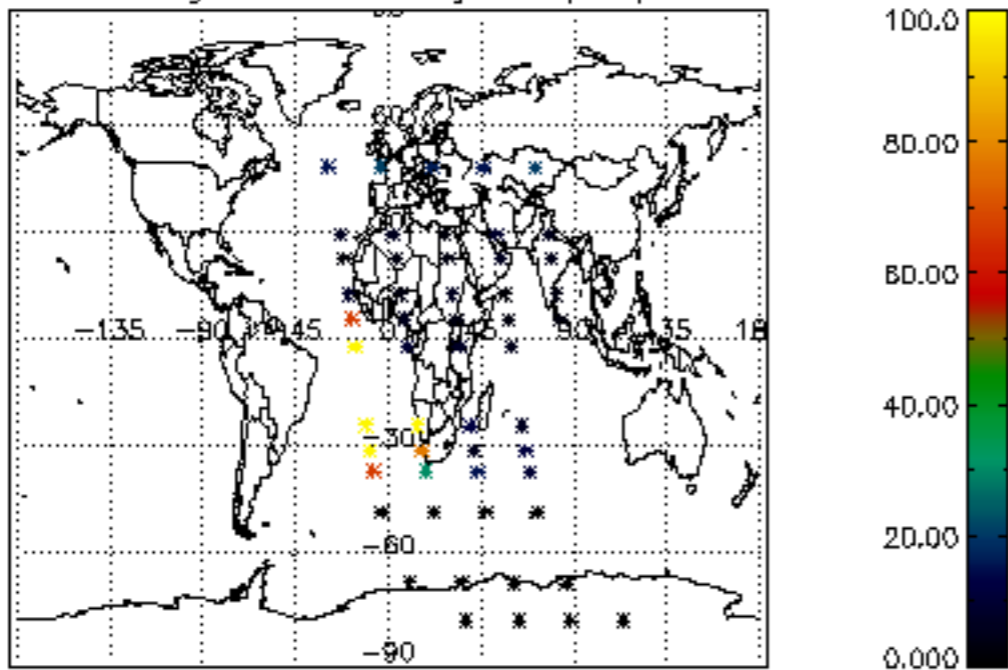
Percentage of flagged data per NO3 profile



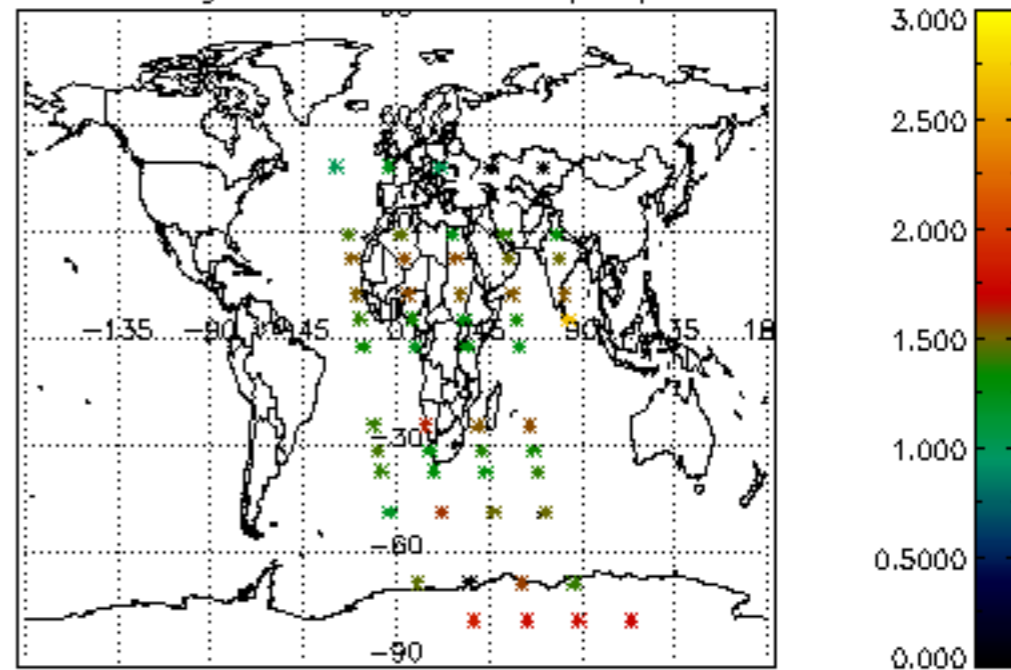




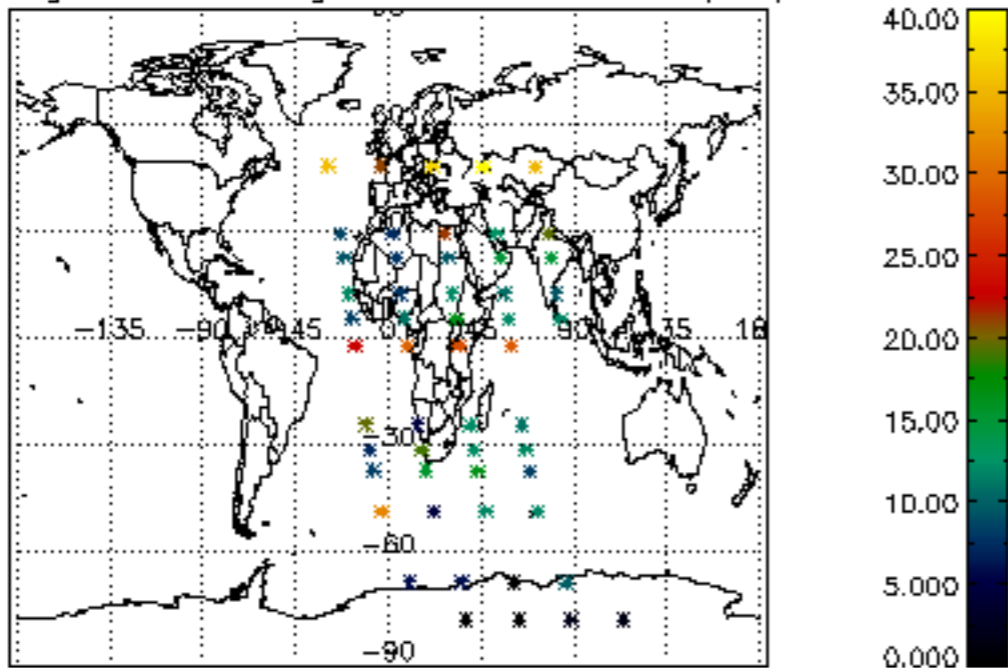
Percentage of cosmic ray hits per profile



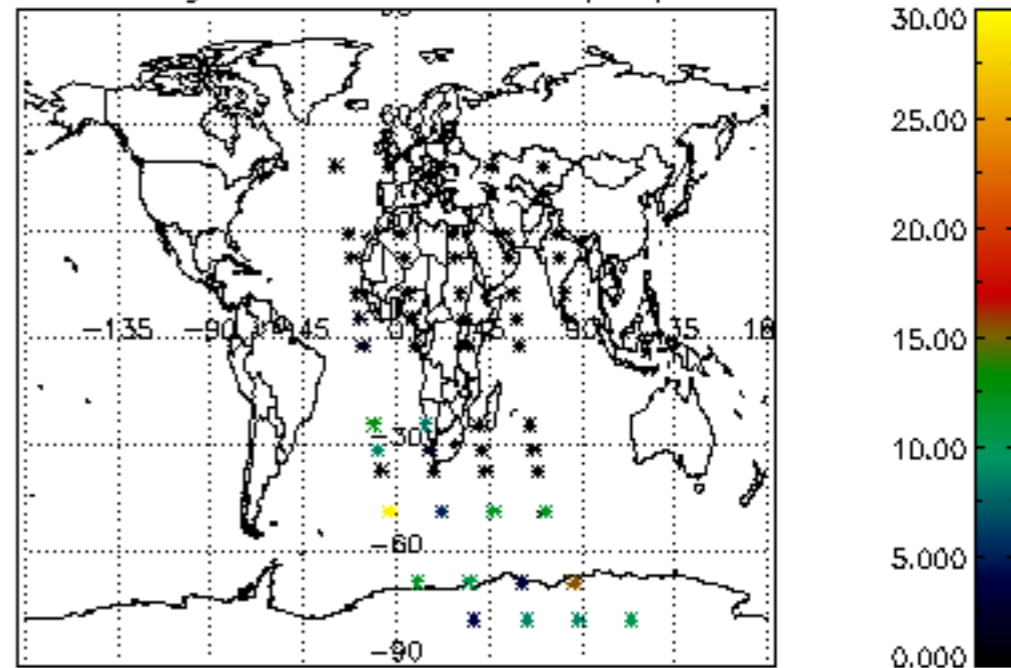
Percentage of datation errors per profile



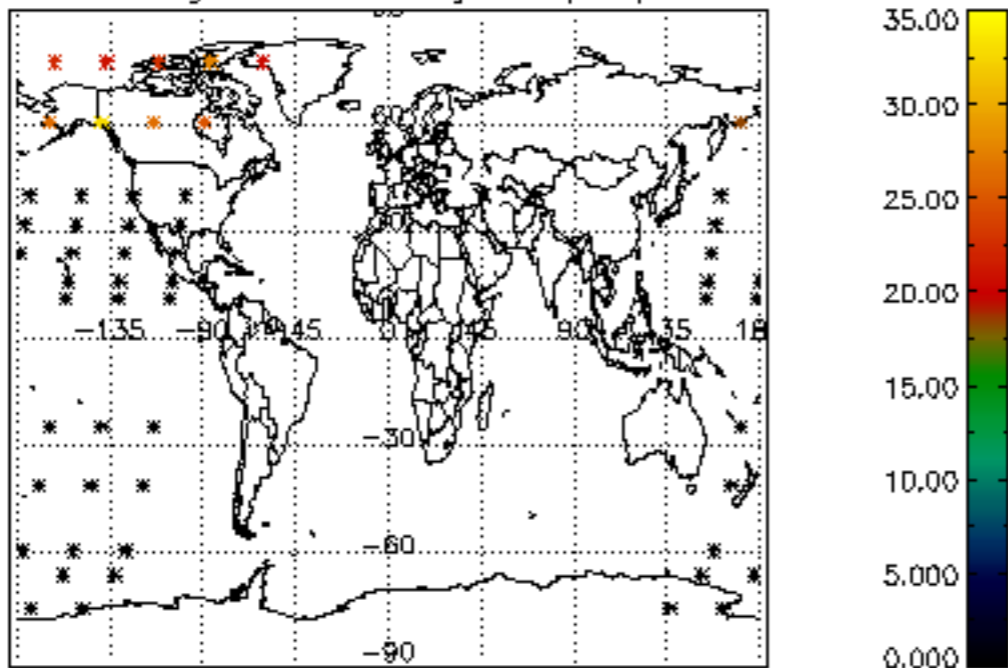
Percentage of star falling outside central band per profile



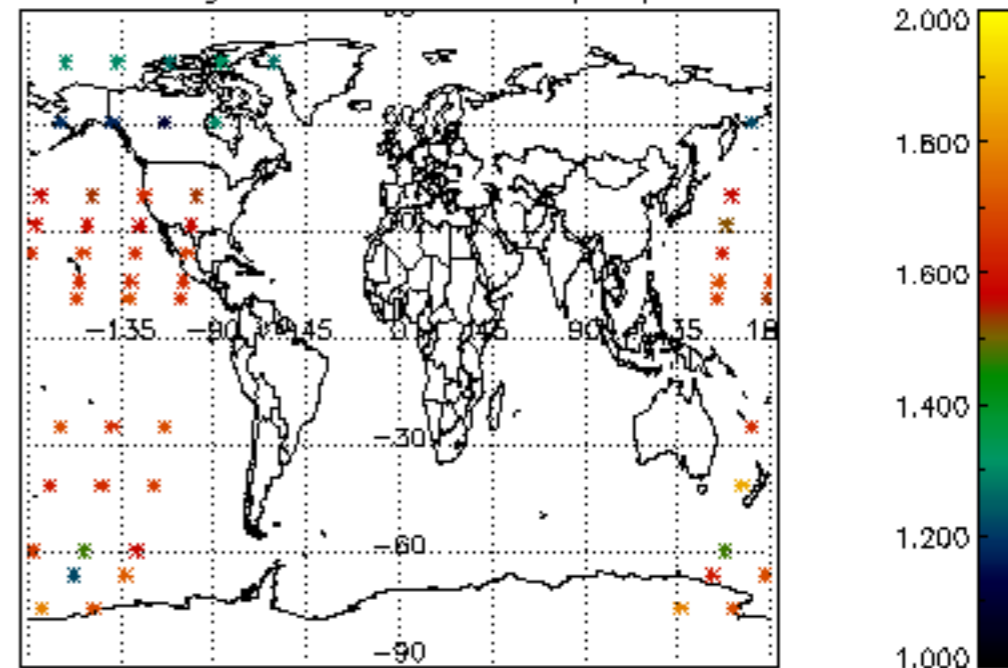
Percentage of saturation errors per profile



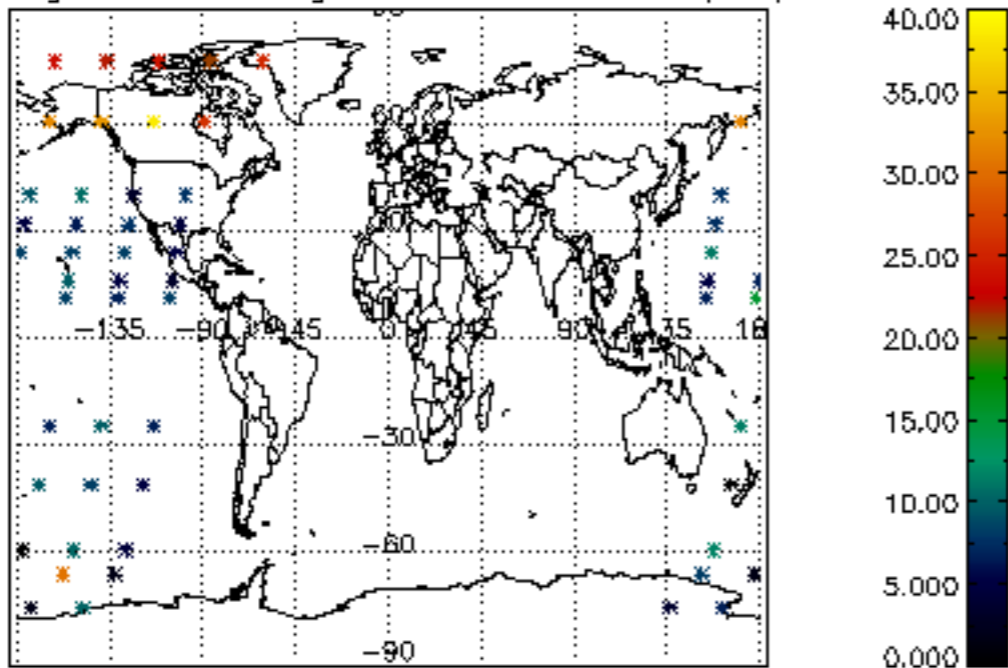
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

