

GOMOS Level 2 Daily Report

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

Item	Value
Time of report generation	29APR2013 15:11:46
Data source version	GOMOS/6.01
Start time of products	16-09-2010 (16SEP2010 00:00:00)
Stop time of products	17-09-2010 (17SEP2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	122
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__2PRFIN20100916_103134_000000412093_00037_44680_6709.N1	16-SEP-2010 10:31:34	Dark	41.000	143	Alp Hyi	2.8570	7200.0	82	44680	No
2	GOM_NL__2PRFIN20100916_103300_000000502093_00037_44680_6710.N1	16-SEP-2010 10:33:00	Dark	50.000	9	Alp Eri	0.45300	24000.	100	44680	No
3	GOM_NL__2PRFIN20100916_103843_000000462093_00037_44680_6711.N1	16-SEP-2010 10:38:43	Straylight	45.500	84	Alp Phe	2.3970	4500.0	91	44680	No
4	GOM_NL__2PRFIN20100916_104622_000000252093_00037_44680_6712.N1	16-SEP-2010 10:46:22	Twilight	24.500	52	16Bet Cet	2.0370	4500.0	49	44680	No
5	GOM_NL__2PRFIN20100916_105713_000000402093_00037_44680_6713.N1	16-SEP-2010 10:57:13	Bright	39.500	90	54Alp Peg	2.4870	11000.	79	44680	No
6	GOM_NL__2PRFIN20100916_110105_000000392093_00037_44680_6714.N1	16-SEP-2010 11:01:05	Bright	39.000	93	53Bet Peg	2.5200	3100.0	78	44680	No
7	GOM_NL__2PRFIN20100916_111120_000000432093_00037_44680_6715.N1	16-SEP-2010 11:11:20	Bright	43.000	74	11Bet Cas	2.2680	6600.0	86	44680	No
8	GOM_NL__2PRFIN20100916_111307_000000442093_00037_44680_6716.N1	16-SEP-2010 11:13:07	Bright	43.500	76	27Gam Cas	2.3000	30000.	87	44680	No
9	GOM_NL__2PRFIN20100916_113536_000000452093_00037_44680_6717.N1	16-SEP-2010 11:35:36	Bright	44.500	24	66Alp Gem	1.5800	10200.	89	44680	No
10	GOM_NL__2PRFIN20100916_114419_000000542093_00037_44680_6718.N1	16-SEP-2010 11:44:19	Twilight	53.500	8	10Alp CMi	0.40000	6500.0	107	44680	No
11	GOM_NL__2PRFIN20100916_115145_000000392093_00037_44680_6719.N1	16-SEP-2010 11:51:45	Dark	39.000	132	15Rho Pup	2.8030	6900.0	78	44680	No
12	GOM_NL__2PRFIN20100916_115328_000000652093_00037_44680_6720.N1	16-SEP-2010 11:53:28	Dark	64.500	1	9Alp CMa	-1.4400	11000.	129	44680	No
13	GOM_NL__2PRFIN20100916_115524_000000302093_00037_44680_6721.N1	16-SEP-2010 11:55:24	Dark	30.000	47	2Bet CMa	1.9760	28000.	60	44680	No
14	GOM_NL__2PRFIN20100916_115642_000000522093_00037_44680_6722.N1	16-SEP-2010 11:56:42	Dark	51.500	117	Pi Pup	2.7060	3800.0	103	44680	No
15	GOM_NL__2PRFIN20100916_120155_000000562093_00038_44681_6789.N1	16-SEP-2010 12:01:55	Dark	56.000	2	Alp Car	-0.73600	7000.0	112	44681	No
16	GOM_NL__2PRFIN20100916_121210_000000402093_00038_44681_6790.N1	16-SEP-2010 12:12:10	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	44681	No
17	GOM_NL__2PRFIN20100916_121336_000000452093_00038_44681_6791.N1	16-SEP-2010 12:13:36	Dark	45.000	9	Alp Eri	0.45300	24000.	90	44681	No
18	GOM_NL__2PRFIN20100916_121920_000000412093_00038_44681_6792.N1	16-SEP-2010 12:19:20	Straylight	41.000	84	Alp Phe	2.3970	4500.0	82	44681	No
19	GOM_NL__2PRFIN20100916_122658_000000252093_00038_44681_6793.N1	16-SEP-2010 12:26:58	Twilight	24.500	52	16Bet Cet	2.0370	4500.0	49	44681	No
20	GOM_NL__2PRFIN20100916_123749_000000402093_00038_44681_6794.N1	16-SEP-2010 12:37:49	Bright	39.500	90	54Alp Peg	2.4870	11000.	79	44681	No
21	GOM_NL__2PRFIN20100916_124141_000000412093_00038_44681_6795.N1	16-SEP-2010 12:41:41	Bright	41.000	93	53Bet Peg	2.5200	3100.0	82	44681	No
22	GOM_NL__2PRFIN20100916_125155_000000382093_00038_44681_6796.N1	16-SEP-2010 12:51:55	Bright	37.500	74	11Bet Cas	2.2680	6600.0	75	44681	No
23	GOM_NL__2PRFIN20100916_125343_000000422093_00038_44681_6797.N1	16-SEP-2010 12:53:43	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	44681	No
24	GOM_NL__2PRFIN20100916_131612_000000442093_00038_44681_6798.N1	16-SEP-2010 13:16:12	Bright	43.500	24	66Alp Gem	1.5800	10200.	87	44681	No
25	GOM_NL__2PRFIN20100916_132455_000000532093_00038_44681_6799.N1	16-SEP-2010 13:24:55	Twilight	52.500	8	10Alp CMi	0.40000	6500.0	105	44681	No
26	GOM_NL__2PRFIN20100916_133221_000000412093_00038_44681_6800.N1	16-SEP-2010 13:32:21	Dark	41.000	132	15Rho Pup	2.8030	6900.0	82	44681	No
27	GOM_NL__2PRFIN20100916_133405_000000702093_00038_44681_6801.N1	16-SEP-2010 13:34:05	Dark	70.000	1	9Alp CMa	-1.4400	11000.	140	44681	No
28	GOM_NL__2PRFIN20100916_133601_000000302093_00038_44681_6802.N1	16-SEP-2010 13:36:01	Dark	30.000	47	2Bet CMa	1.9760	28000.	60	44681	No
29	GOM_NL__2PRFIN20100916_133719_000000462093_00038_44681_6803.N1	16-SEP-2010 13:37:19	Dark	45.500	117	Pi Pup	2.7060	3800.0	91	44681	No
30	GOM_NL__2PRFIN20100916_134232_000000482093_00039_44682_6809.N1	16-SEP-2010 13:42:32	Dark	48.000	2	Alp Car	-0.73600	7000.0	96	44682	No
31	GOM_NL__2PRFIN20100916_135247_000000392093_00039_44682_6810.N1	16-SEP-2010 13:52:47	Dark	39.000	143	Alp Hyi	2.8570	7200.0	78	44682	No
32	GOM_NL__2PRFIN20100916_135412_000000432093_00039_44682_6811.N1	16-SEP-2010 13:54:12	Dark	42.500	9	Alp Eri	0.45300	24000.	85	44682	No
33	GOM_NL__2PRFIN20100916_135956_000000472093_00039_44682_6812.N1	16-SEP-2010 13:59:56	Straylight	47.000	84	Alp Phe	2.3970	4500.0	94	44682	No
34	GOM_NL__2PRFIN20100916_140734_000000302093_00039_44682_6813.N1	16-SEP-2010 14:07:34	Twilight	30.000	52	16Bet Cet	2.0370	4500.0	60	44682	No
35	GOM_NL__2PRFIN20100916_141824_000000402093_00039_44682_6814.N1	16-SEP-2010 14:18:24	Bright	39.500	90	54Alp Peg	2.4870	11000.	79	44682	No
36	GOM_NL__2PRFIN20100916_142216_000000402093_00039_44682_6815.N1	16-SEP-2010 14:22:16	Bright	40.000	93	53Bet Peg	2.5200	3100.0	80	44682	No
37	GOM_NL__2PRFIN20100916_142419_000000302093_00039_44682_6816.N1	16-SEP-2010 14:24:19	Twilight	30.000	58	21Alp And	2.0730	11000.	60	44682	No
38	GOM_NL__2PRFIN20100916_143231_000000422093_00039_44682_6817.N1	16-SEP-2010 14:32:31	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	44682	No
39	GOM_NL__2PRFIN20100916_143418_000000422093_00039_44682_6818.N1	16-SEP-2010 14:34:18	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	44682	No
40	GOM_NL__2PRFIN20100916_145648_000000422093_00039_44682_6819.N1	16-SEP-2010 14:56:48	Bright	41.500	24	66Alp Gem	1.5800	10200.	83	44682	No
41	GOM_NL__2PRFIN20100916_150532_000000572093_00039_44682_6820.N1	16-SEP-2010 15:05:32	Twilight	57.000	8	10Alp CMi	0.40000	6500.0	114	44682	No
42	GOM_NL__2PRFIN20100916_151258_000000432093_00039_44682_6821.N1	16-SEP-2010 15:12:58	Dark	42.500	132	15Rho Pup	2.8030	6900.0	85	44682	No

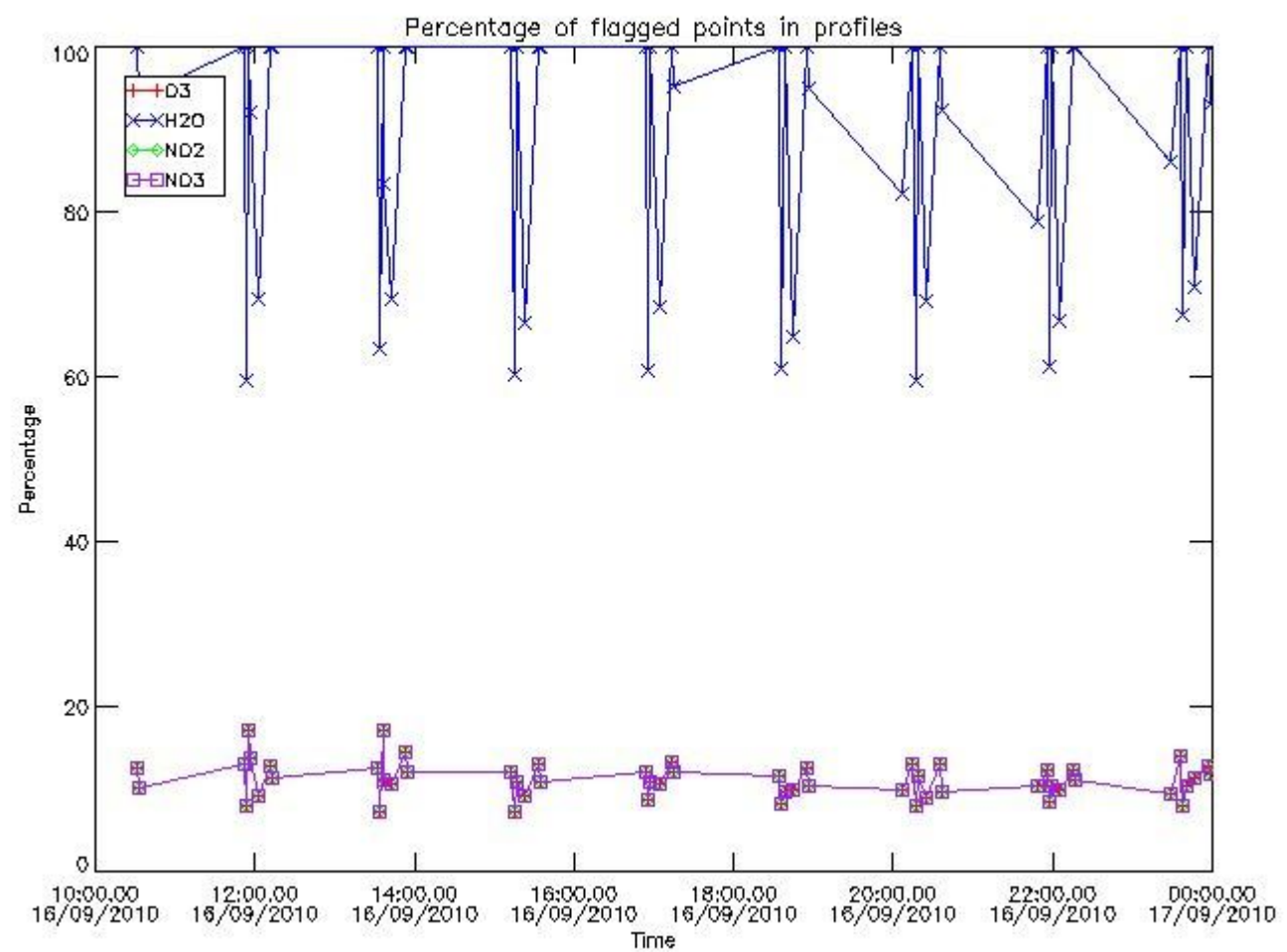
43	GOM_NL__2PRFIN20100916_151442_000000712093_00039_44682_6822.N1	16-SEP-2010 15:14:42	Dark	71.000	1	9Alp CMa	-1.4400	11000.	142	44682	No
44	GOM_NL__2PRFIN20100916_151654_000000472093_00039_44682_6823.N1	16-SEP-2010 15:16:54	Dark	46.500	23	21Eps CMa	1.5020	26000.	93	44682	No
45	GOM_NL__2PRFIN20100916_152308_000000562093_00040_44683_6841.N1	16-SEP-2010 15:23:08	Dark	55.500	2	Alp Car	-0.73600	7000.0	111	44683	No
46	GOM_NL__2PRFIN20100916_153323_000000402093_00040_44683_6842.N1	16-SEP-2010 15:33:23	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	44683	No
47	GOM_NL__2PRFIN20100916_153449_000000472093_00040_44683_6843.N1	16-SEP-2010 15:34:49	Dark	46.500	9	Alp Eri	0.45300	24000.	93	44683	No
48	GOM_NL__2PRFIN20100916_154032_000000472093_00040_44683_6844.N1	16-SEP-2010 15:40:32	Straylight	46.500	84	Alp Phe	2.3970	4500.0	93	44683	No
49	GOM_NL__2PRFIN20100916_154810_000000302093_00040_44683_6845.N1	16-SEP-2010 15:48:10	Twi_and_stray	30.000	52	16Bet Cet	2.0370	4500.0	60	44683	No
50	GOM_NL__2PRFIN20100916_155900_000000402093_00040_44683_6846.N1	16-SEP-2010 15:59:00	Bright	39.500	90	54Alp Peg	2.4870	11000.	79	44683	No
51	GOM_NL__2PRFIN20100916_160252_000000392093_00040_44683_6847.N1	16-SEP-2010 16:02:52	Bright	39.000	93	53Bet Peg	2.5200	3100.0	78	44683	No
52	GOM_NL__2PRFIN20100916_160454_000000302093_00040_44683_6848.N1	16-SEP-2010 16:04:54	Twi_and_stray	30.000	58	21Alp And	2.0730	11000.	60	44683	No
53	GOM_NL__2PRFIN20100916_161306_000000402093_00040_44683_6849.N1	16-SEP-2010 16:13:06	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	44683	No
54	GOM_NL__2PRFIN20100916_161453_000000412093_00040_44683_6850.N1	16-SEP-2010 16:14:53	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	44683	No
55	GOM_NL__2PRFIN20100916_163724_000000462093_00040_44683_6851.N1	16-SEP-2010 16:37:24	Bright	45.500	24	66Alp Gem	1.5800	10200.	91	44683	No
56	GOM_NL__2PRFIN20100916_164608_000000612093_00040_44683_6852.N1	16-SEP-2010 16:46:08	Twilight	61.000	8	10Alp CMi	0.40000	6500.0	122	44683	No
57	GOM_NL__2PRFIN20100916_165334_000000432093_00040_44683_6853.N1	16-SEP-2010 16:53:34	Dark	42.500	132	15Rho Pup	2.8030	6900.0	85	44683	No
58	GOM_NL__2PRFIN20100916_165519_000000592093_00040_44683_6854.N1	16-SEP-2010 16:55:19	Dark	59.000	1	9Alp CMa	-1.4400	11000.	118	44683	No
59	GOM_NL__2PRFIN20100916_165730_000000472093_00040_44683_6855.N1	16-SEP-2010 16:57:30	Dark	46.500	23	21Eps CMa	1.5020	26000.	93	44683	No
60	GOM_NL__2PRFIN20100916_170345_000000482093_00041_44684_6865.N1	16-SEP-2010 17:03:45	Dark	48.000	2	Alp Car	-0.73600	7000.0	96	44684	No
61	GOM_NL__2PRFIN20100916_171400_000000392093_00041_44684_6866.N1	16-SEP-2010 17:14:00	Dark	38.500	143	Alp Hyi	2.8570	7200.0	77	44684	No
62	GOM_NL__2PRFIN20100916_171525_000000422093_00041_44684_6867.N1	16-SEP-2010 17:15:25	Dark	42.000	9	Alp Eri	0.45300	24000.	84	44684	No
63	GOM_NL__2PRFIN20100916_172109_000000482093_00041_44684_6868.N1	16-SEP-2010 17:21:09	Straylight	47.500	84	Alp Phe	2.3970	4500.0	95	44684	No
64	GOM_NL__2PRFIN20100916_172846_000000362093_00041_44684_6869.N1	16-SEP-2010 17:28:46	Twi_and_stray	36.000	52	16Bet Cet	2.0370	4500.0	72	44684	No
65	GOM_NL__2PRFIN20100916_173936_000000402093_00041_44684_6870.N1	16-SEP-2010 17:39:36	Bright	39.500	90	54Alp Peg	2.4870	11000.	79	44684	No
66	GOM_NL__2PRFIN20100916_174328_000000402093_00041_44684_6871.N1	16-SEP-2010 17:43:28	Bright	40.000	93	53Bet Peg	2.5200	3100.0	80	44684	No
67	GOM_NL__2PRFIN20100916_174530_000000372093_00041_44684_6872.N1	16-SEP-2010 17:45:30	Bright	37.000	58	21Alp And	2.0730	11000.	74	44684	No
68	GOM_NL__2PRFIN20100916_175342_000000412093_00041_44684_6873.N1	16-SEP-2010 17:53:42	Bright	40.500	74	11Bet Cas	2.2680	6600.0	81	44684	No
69	GOM_NL__2PRFIN20100916_175529_000000432093_00041_44684_6874.N1	16-SEP-2010 17:55:29	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	44684	No
70	GOM_NL__2PRFIN20100916_181801_000000442093_00041_44684_6875.N1	16-SEP-2010 18:18:01	Bright	44.000	24	66Alp Gem	1.5800	10200.	88	44684	No
71	GOM_NL__2PRFIN20100916_182645_000000602093_00041_44684_6876.N1	16-SEP-2010 18:26:45	Twilight	59.500	8	10Alp CMi	0.40000	6500.0	119	44684	No
72	GOM_NL__2PRFIN20100916_183411_000000442093_00041_44684_6877.N1	16-SEP-2010 18:34:11	Dark	44.000	132	15Rho Pup	2.8030	6900.0	88	44684	No
73	GOM_NL__2PRFIN20100916_183556_000000622093_00041_44684_6878.N1	16-SEP-2010 18:35:56	Dark	62.000	1	9Alp CMa	-1.4400	11000.	124	44684	No
74	GOM_NL__2PRFIN20100916_183807_000000532093_00041_44684_6879.N1	16-SEP-2010 18:38:07	Dark	52.500	23	21Eps CMa	1.5020	26000.	105	44684	No
75	GOM_NL__2PRFIN20100916_184422_000000522093_00042_44685_7110.N1	16-SEP-2010 18:44:22	Dark	51.500	2	Alp Car	-0.73600	7000.0	103	44685	No
76	GOM_NL__2PRFIN20100916_185436_000000412093_00042_44685_7111.N1	16-SEP-2010 18:54:36	Dark	40.500	143	Alp Hyi	2.8570	7200.0	81	44685	No
77	GOM_NL__2PRFIN20100916_185602_000000492093_00042_44685_7112.N1	16-SEP-2010 18:56:02	Dark	48.500	9	Alp Eri	0.45300	24000.	97	44685	No
78	GOM_NL__2PRFIN20100916_190145_000000462093_00042_44685_7113.N1	16-SEP-2010 19:01:45	Straylight	45.500	84	Alp Phe	2.3970	4500.0	91	44685	No
79	GOM_NL__2PRFIN20100916_190923_000000362093_00042_44685_7114.N1	16-SEP-2010 19:09:23	Twi_and_stray	36.000	52	16Bet Cet	2.0370	4500.0	72	44685	No
80	GOM_NL__2PRFIN20100916_192012_000000402093_00042_44685_7115.N1	16-SEP-2010 19:20:12	Bright	40.000	90	54Alp Peg	2.4870	11000.	80	44685	No
81	GOM_NL__2PRFIN20100916_192403_000000432093_00042_44685_7116.N1	16-SEP-2010 19:24:03	Bright	43.000	93	53Bet Peg	2.5200	3100.0	86	44685	No
82	GOM_NL__2PRFIN20100916_192605_000000372093_00042_44685_7117.N1	16-SEP-2010 19:26:05	Bright	37.000	58	21Alp And	2.0730	11000.	74	44685	No
83	GOM_NL__2PRFIN20100916_193418_000000412093_00042_44685_7118.N1	16-SEP-2010 19:34:18	Bright	40.500	74	11Bet Cas	2.2680	6600.0	81	44685	No
84	GOM_NL__2PRFIN20100916_193604_000000432093_00042_44685_7119.N1	16-SEP-2010 19:36:04	Bright	43.000	76	27Gam Cas	2.3000	30000.	86	44685	No
85	GOM_NL__2PRFIN20100916_195837_000000632093_00042_44685_7120.N1	16-SEP-2010 19:58:37	Bright	63.000	24	66Alp Gem	1.5800	10200.	126	44685	No
86	GOM_NL__2PRFIN20100916_200721_000000572093_00042_44685_7121.N1	16-SEP-2010 20:07:21	Dark	56.500	8	10Alp CMi	0.40000	6500.0	113	44685	No
87	GOM_NL__2PRFIN20100916_201447_000000392093_00042_44685_7122.N1	16-SEP-2010 20:14:47	Dark	39.000	132	15Rho Pup	2.8030	6900.0	78	44685	No
88	GOM_NL__2PRFIN20100916_201633_000000642093_00042_44685_7123.N1	16-SEP-2010 20:16:33	Dark	63.500	1	9Alp CMa	-1.4400	11000.	127	44685	No
89	GOM_NL__2PRFIN20100916_201844_000000452093_00042_44685_7124.N1	16-SEP-2010 20:18:44	Dark	44.500	23	21Eps CMa	1.5020	26000.	89	44685	No
90	GOM_NL__2PRFIN20100916_202458_000000572093_00043_44686_6949.N1	16-SEP-2010 20:24:58	Dark	57.000	2	Alp Car	-0.73600	7000.0	114	44686	No
91	GOM_NL__2PRFIN20100916_203513_000000402093_00043_44686_6950.N1	16-SEP-2010 20:35:13	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	44686	No
92	GOM_NL__2PRFIN20100916_203638_000000532093_00043_44686_6951.N1	16-SEP-2010 20:36:38	Dark	52.500	9	Alp Eri	0.45300	24000.	105	44686	No
93	GOM_NL__2PRFIN20100916_204221_000000502093_00043_44686_6952.N1	16-SEP-2010 20:42:21	Straylight	50.000	84	Alp Phe	2.3970	4500.0	100	44686	No
94	GOM_NL__2PRFIN20100916_204959_000000422093_00043_44686_6953.N1	16-SEP-2010 20:49:59	Twi_and_stray	42.000	52	16Bet Cet	2.0370	4500.0	84	44686	No
95	GOM_NL__2PRFIN20100916_210048_000000392093_00043_44686_6954.N1	16-SEP-2010 21:00:48	Bright	38.500	90	54Alp Peg	2.4870	11000.	77	44686	No
96	GOM_NL__2PRFIN20100916_210439_000000382093_00043_44686_6955.N1	16-SEP-2010 21:04:39	Bright	38.000	93	53Bet Peg	2.5200	3100.0	76	44686	No
97	GOM_NL__2PRFIN20100916_210640_000000432093_00043_44686_6956.N1	16-SEP-2010 21:06:40	Bright	43.000	58	21Alp And	2.0730	11000.	86	44686	No
98	GOM_NL__2PRFIN20100916_211453_000000392093_00043_44686_6957.N1	16-SEP-2010 21:14:53	Bright	39.000	74	11Bet Cas	2.2680	6600.0	78	44686	No
99	GOM_NL__2PRFIN20100916_211640_000000452093_00043_44686_6958.N1	16-SEP-2010 21:16:40	Bright	45.000	76	27Gam Cas	2.3000	30000.	90	44686	No
100	GOM_NL__2PRFIN20100916_213913_000000452093_00043_44686_6959.N1	16-SEP-2010 21:39:13	Bright	44.500	24	66Alp Gem	1.5800	10200.	89	44686	No
101	GOM_NL__2PRFIN20100916_214758_000000592093_00043_44686_6960.N1	16-SEP-2010 21:47:58	Dark	59.000	8	10Alp CMi	0.40000	6500.0	118	44686	No

102	GOM_NL__2PRFIN20100916_215523_000000422093_00043_44686_6961.N1	16-SEP-2010 21:55:23	Dark	41.500	132	15Rho Pup	2.8030	6900.0	83	44686	No
103	GOM_NL__2PRFIN20100916_215710_000000612093_00043_44686_6962.N1	16-SEP-2010 21:57:10	Dark	61.000	1	9Alp CMa	-1.4400	11000.	122	44686	No
104	GOM_NL__2PRFIN20100916_215921_000000492093_00043_44686_6963.N1	16-SEP-2010 21:59:21	Dark	49.000	23	21Eps CMa	1.5020	26000.	98	44686	No
105	GOM_NL__2PRFIN20100916_220534_000000522093_00044_44687_6960.N1	16-SEP-2010 22:05:34	Dark	51.500	2	Alp Car	-0.73600	7000.0	103	44687	No
106	GOM_NL__2PRFIN20100916_221549_000000422093_00044_44687_6961.N1	16-SEP-2010 22:15:49	Dark	41.500	143	Alp Hyi	2.8570	7200.0	83	44687	No
107	GOM_NL__2PRFIN20100916_221715_000000462093_00044_44687_6962.N1	16-SEP-2010 22:17:15	Dark	45.500	9	Alp Eri	0.45300	24000.	91	44687	No
108	GOM_NL__2PRFIN20100916_222257_000000452093_00044_44687_6963.N1	16-SEP-2010 22:22:57	Straylight	45.000	84	Alp Phe	2.3970	4500.0	90	44687	No
109	GOM_NL__2PRFIN20100916_223034_000000422093_00044_44687_6964.N1	16-SEP-2010 22:30:34	Twilight_and_stray	42.000	52	16Bet Cet	2.0370	4500.0	84	44687	No
110	GOM_NL__2PRFIN20100916_224123_000000412093_00044_44687_6965.N1	16-SEP-2010 22:41:23	Bright	40.500	90	54Alp Peg	2.4870	11000.	81	44687	No
111	GOM_NL__2PRFIN20100916_224515_000000382093_00044_44687_6966.N1	16-SEP-2010 22:45:15	Bright	38.000	93	53Bet Peg	2.5200	3100.0	76	44687	No
112	GOM_NL__2PRFIN20100916_224715_000000432093_00044_44687_6967.N1	16-SEP-2010 22:47:15	Bright	43.000	58	21Alp And	2.0730	11000.	86	44687	No
113	GOM_NL__2PRFIN20100916_225528_000000402093_00044_44687_6968.N1	16-SEP-2010 22:55:28	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	44687	No
114	GOM_NL__2PRFIN20100916_225715_000000422093_00044_44687_6969.N1	16-SEP-2010 22:57:15	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	44687	No
115	GOM_NL__2PRFIN20100916_231949_000000452093_00044_44687_6970.N1	16-SEP-2010 23:19:49	Bright	44.500	24	66Alp Gem	1.5800	10200.	89	44687	No
116	GOM_NL__2PRFIN20100916_232834_000000542093_00044_44687_6971.N1	16-SEP-2010 23:28:34	Dark	54.000	8	10Alp CMi	0.40000	6500.0	108	44687	No
117	GOM_NL__2PRFIN20100916_233600_000000402093_00044_44687_6972.N1	16-SEP-2010 23:36:00	Dark	40.000	132	15Rho Pup	2.8030	6900.0	80	44687	No
118	GOM_NL__2PRFIN20100916_233747_000000652093_00044_44687_6973.N1	16-SEP-2010 23:37:47	Dark	65.000	1	9Alp CMa	-1.4400	11000.	130	44687	No
119	GOM_NL__2PRFIN20100916_233958_000000502093_00044_44687_6974.N1	16-SEP-2010 23:39:58	Dark	49.500	23	21Eps CMa	1.5020	26000.	99	44687	No
120	GOM_NL__2PRFIN20100916_234611_000000542093_00045_44688_6972.N1	16-SEP-2010 23:46:11	Dark	53.500	2	Alp Car	-0.73600	7000.0	107	44688	No
121	GOM_NL__2PRFIN20100916_235625_000000402093_00045_44688_6973.N1	16-SEP-2010 23:56:25	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	44688	No
122	GOM_NL__2PRFIN20100916_235751_000000432093_00045_44688_6974.N1	16-SEP-2010 23:57:51	Dark	43.000	9	Alp Eri	0.45300	24000.	86	44688	No

3. Quality information per product

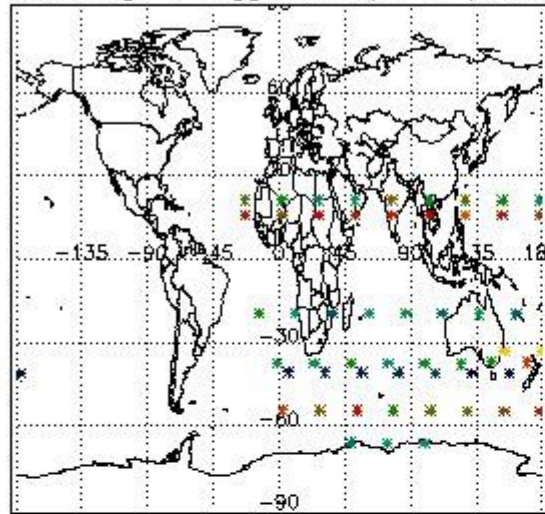
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

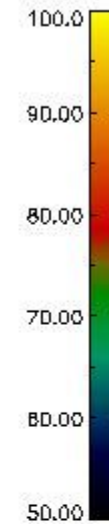
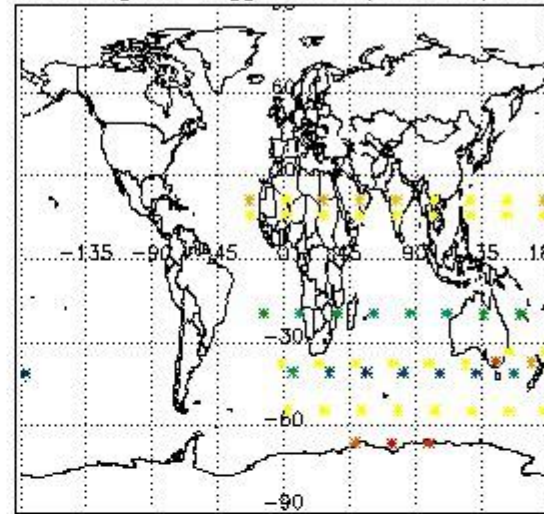


3.2 Plot quality information per product (world map)

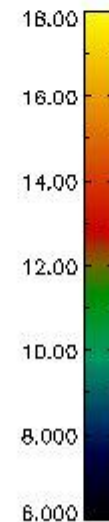
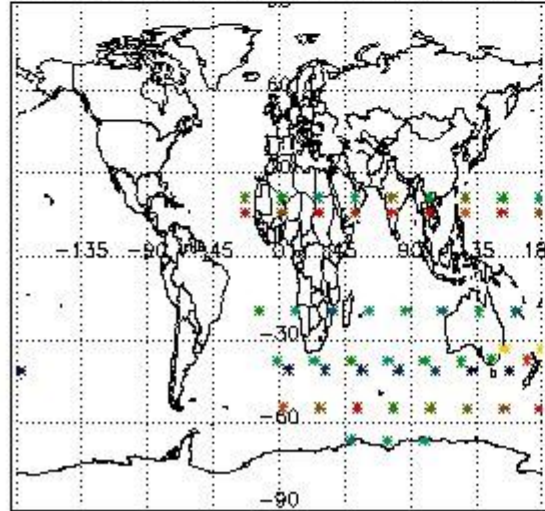
Percentage of flagged data per O3 profile



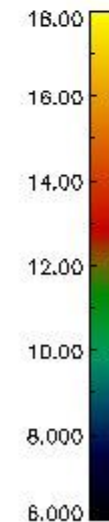
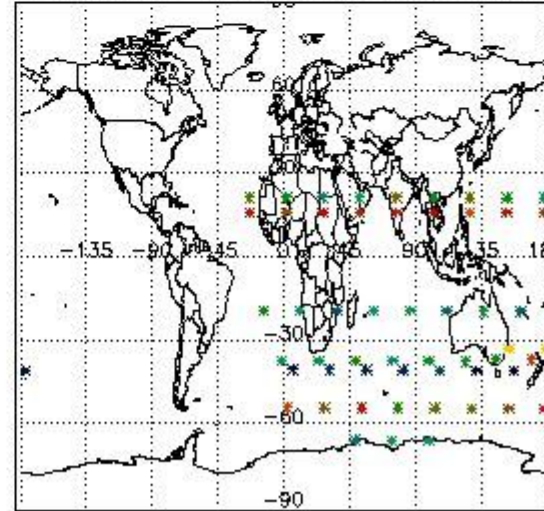
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

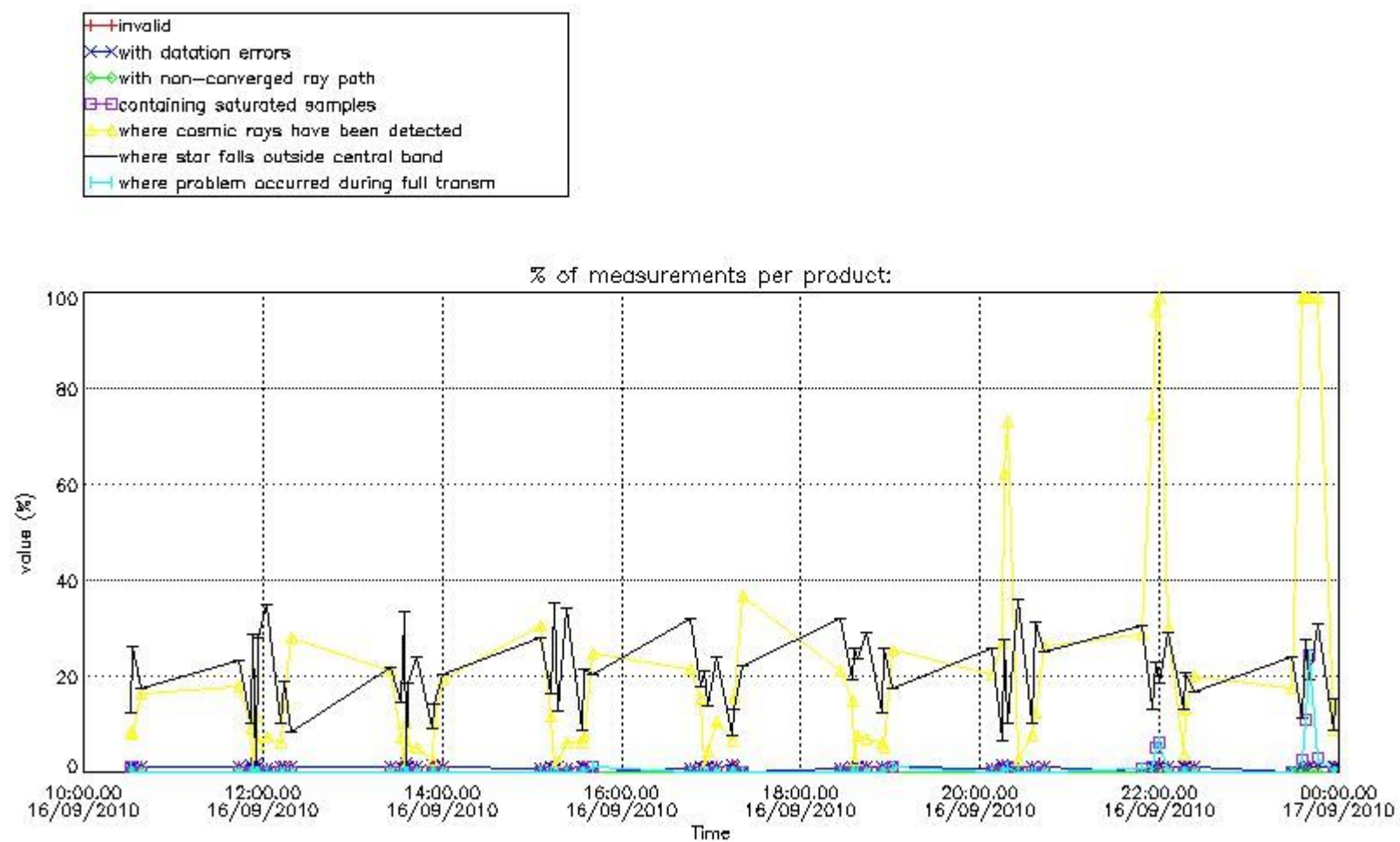


4. Level 1 quality information per product

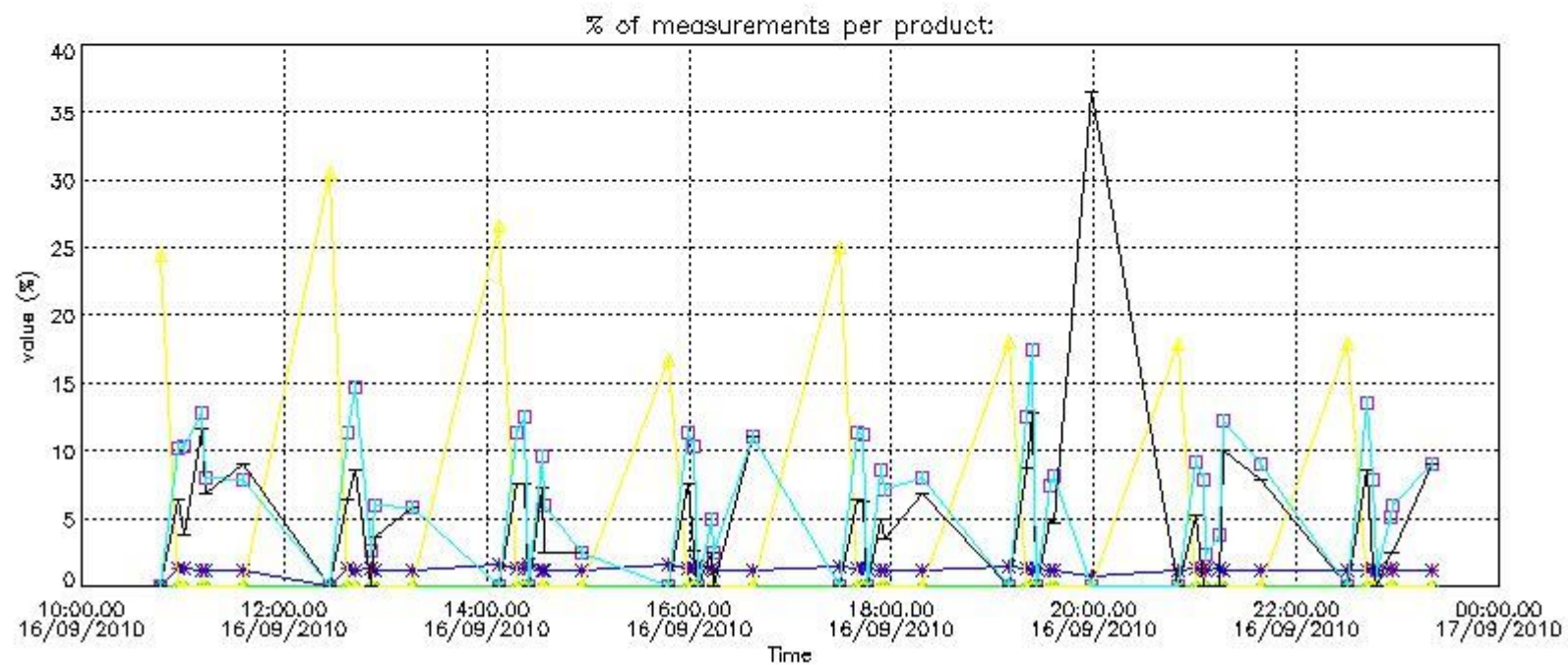
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



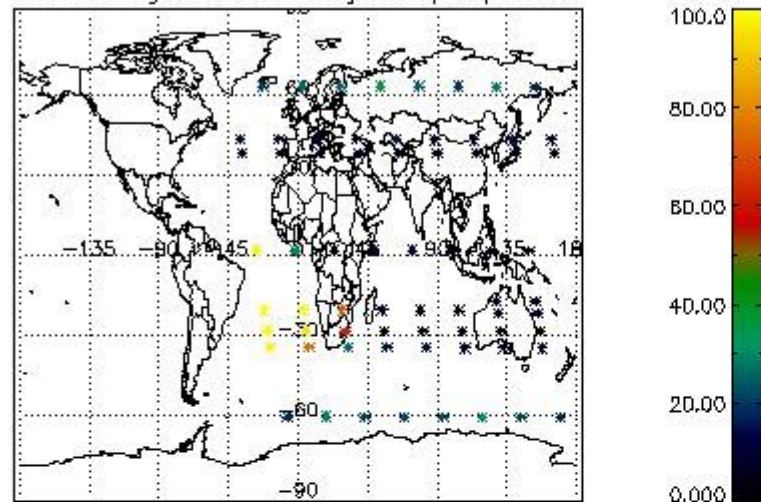
4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



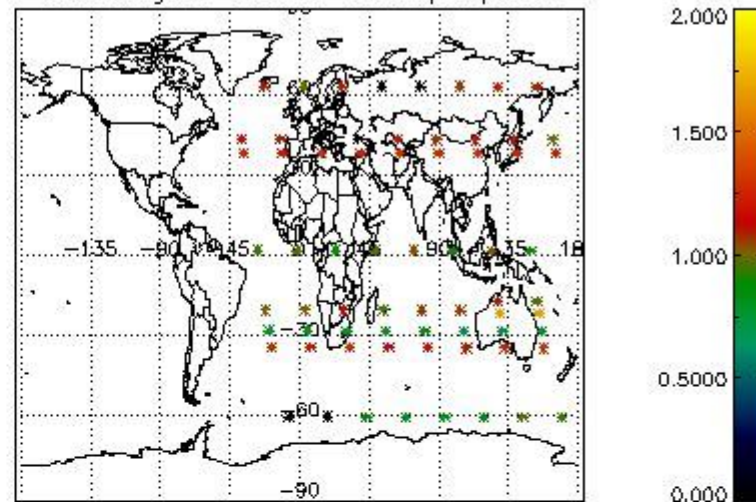
4.2 Plot quality information per product coming from level 1b processing (world map)

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

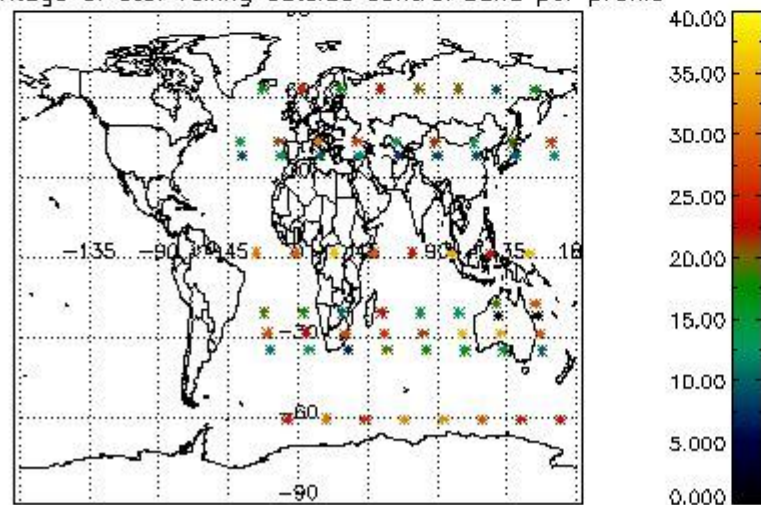
Percentage of cosmic ray hits per profile



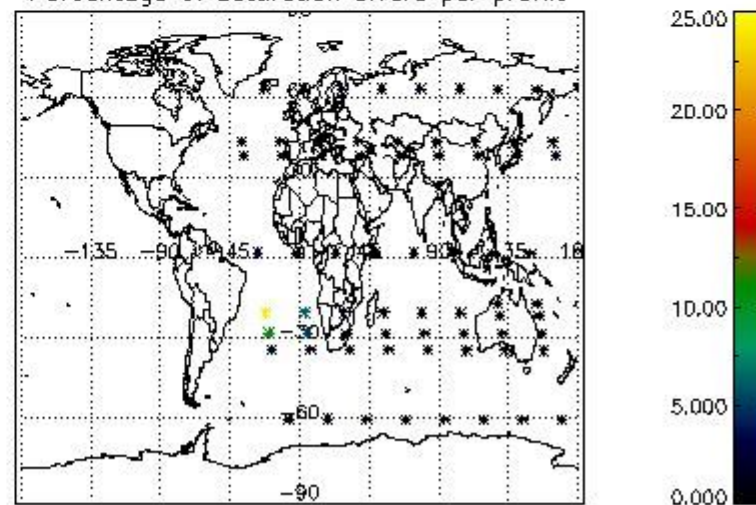
Percentage of datation errors per profile



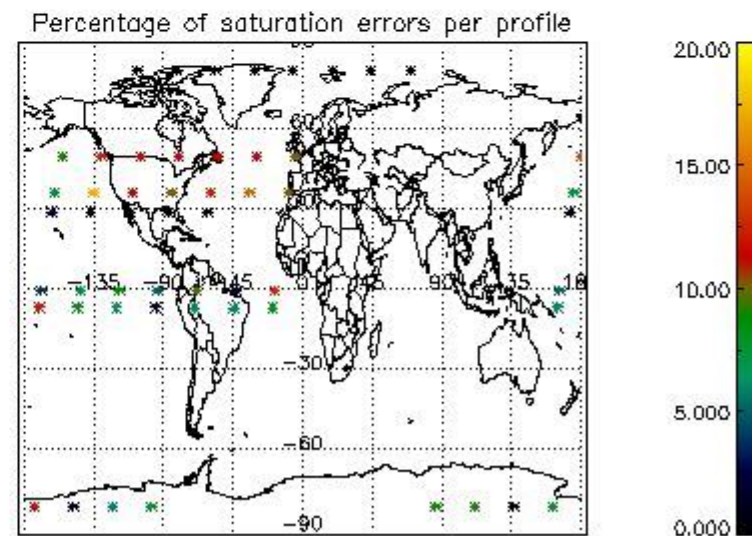
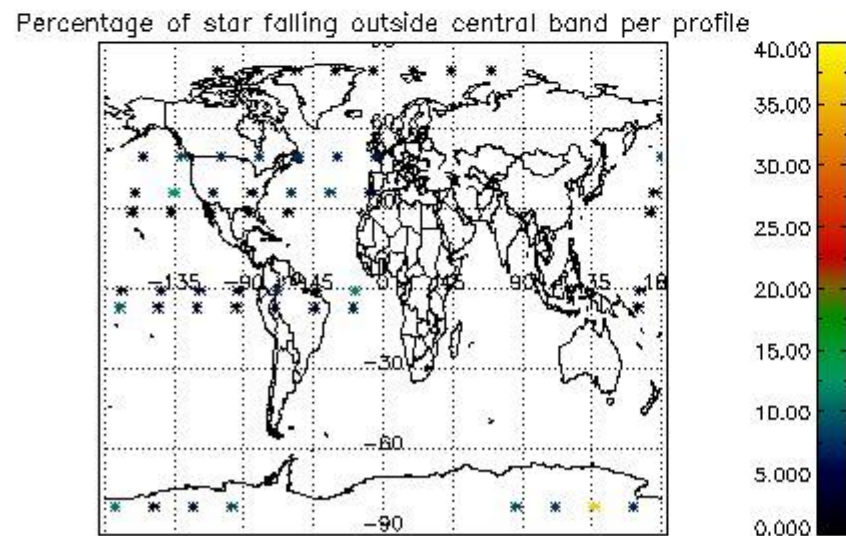
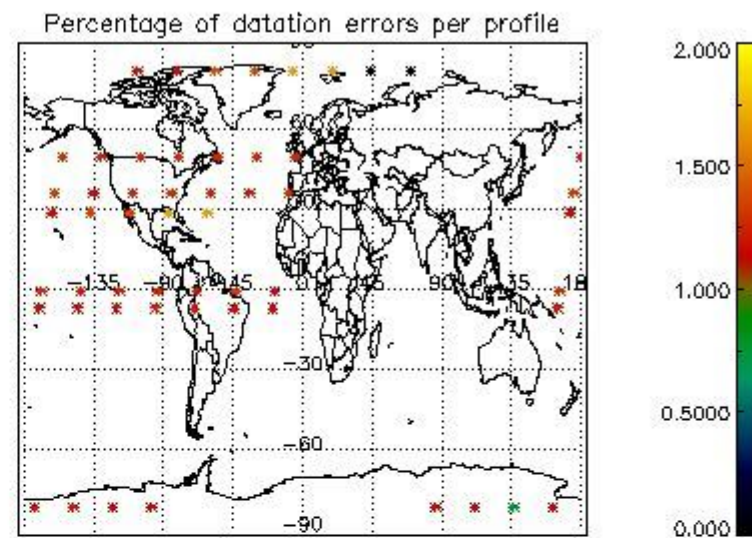
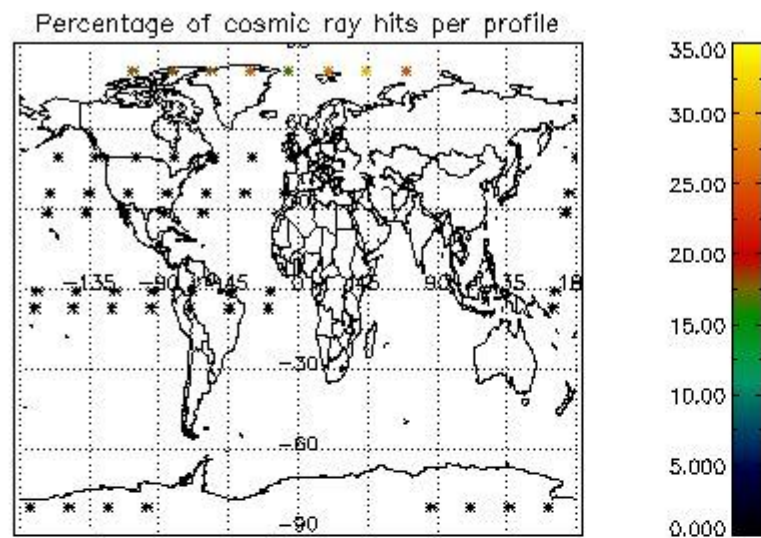
Percentage of star falling outside central band per profile



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

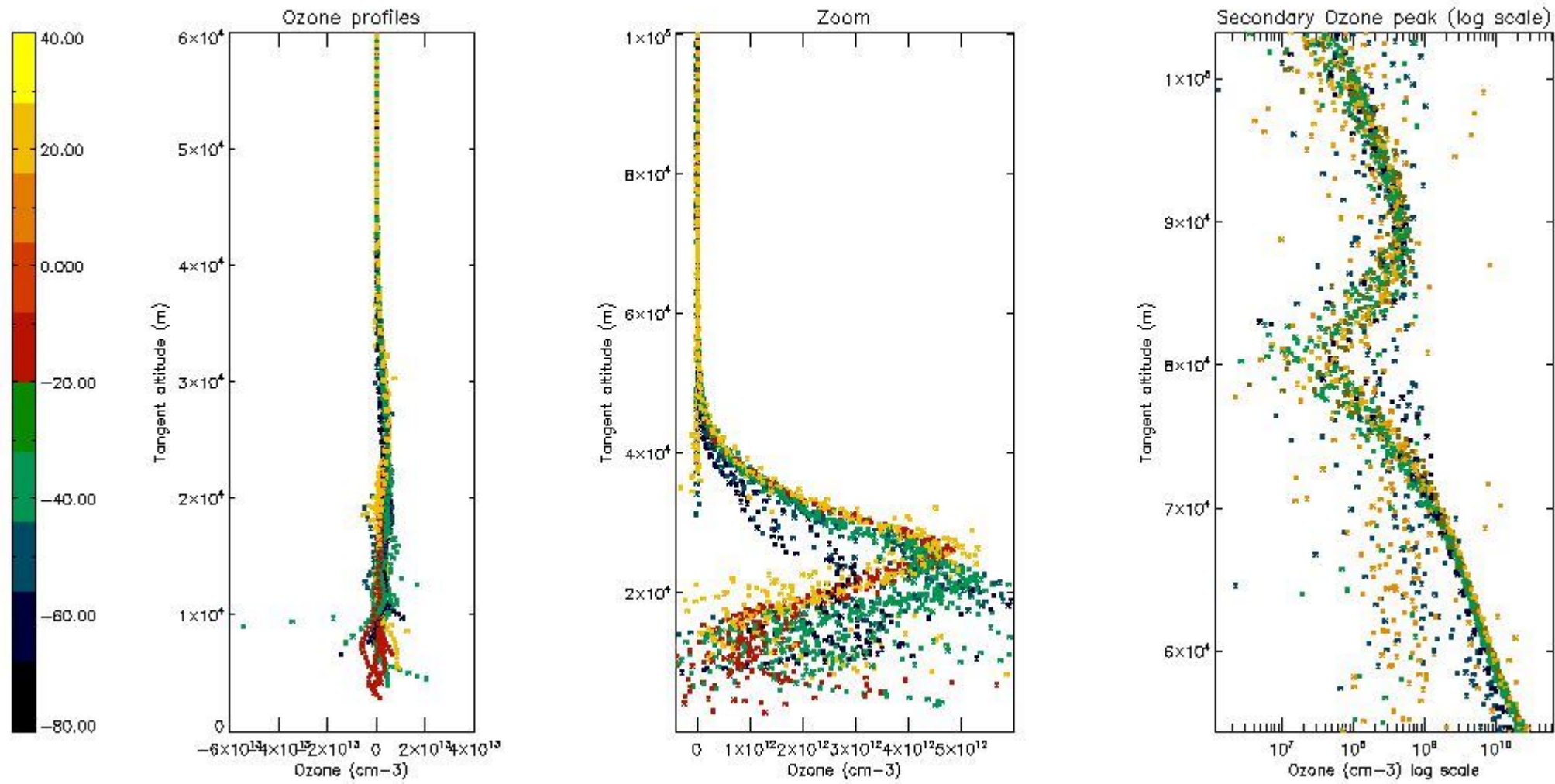
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	50
STD < 20	29

STD < 10	23
STD < 5	18

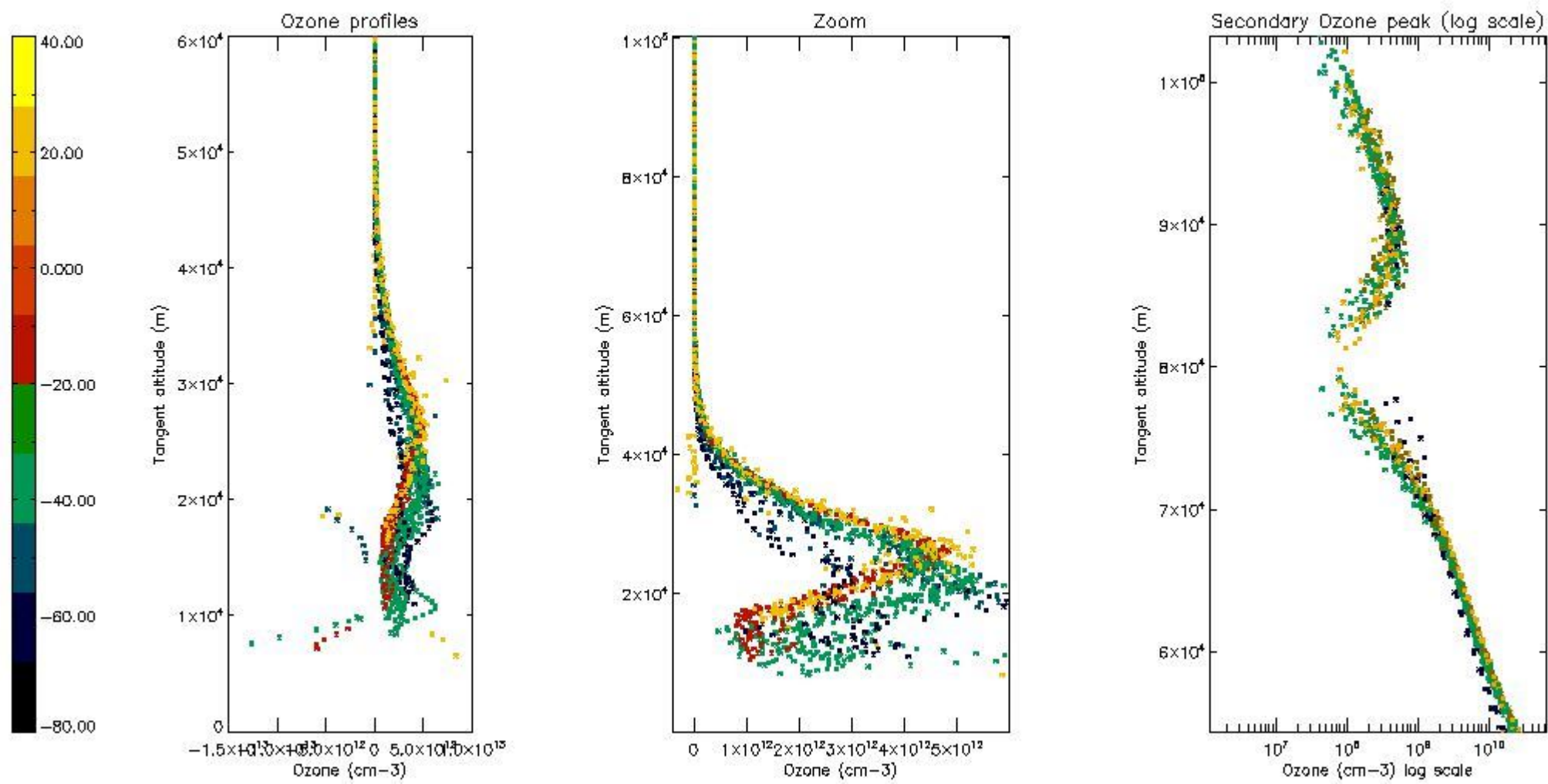
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



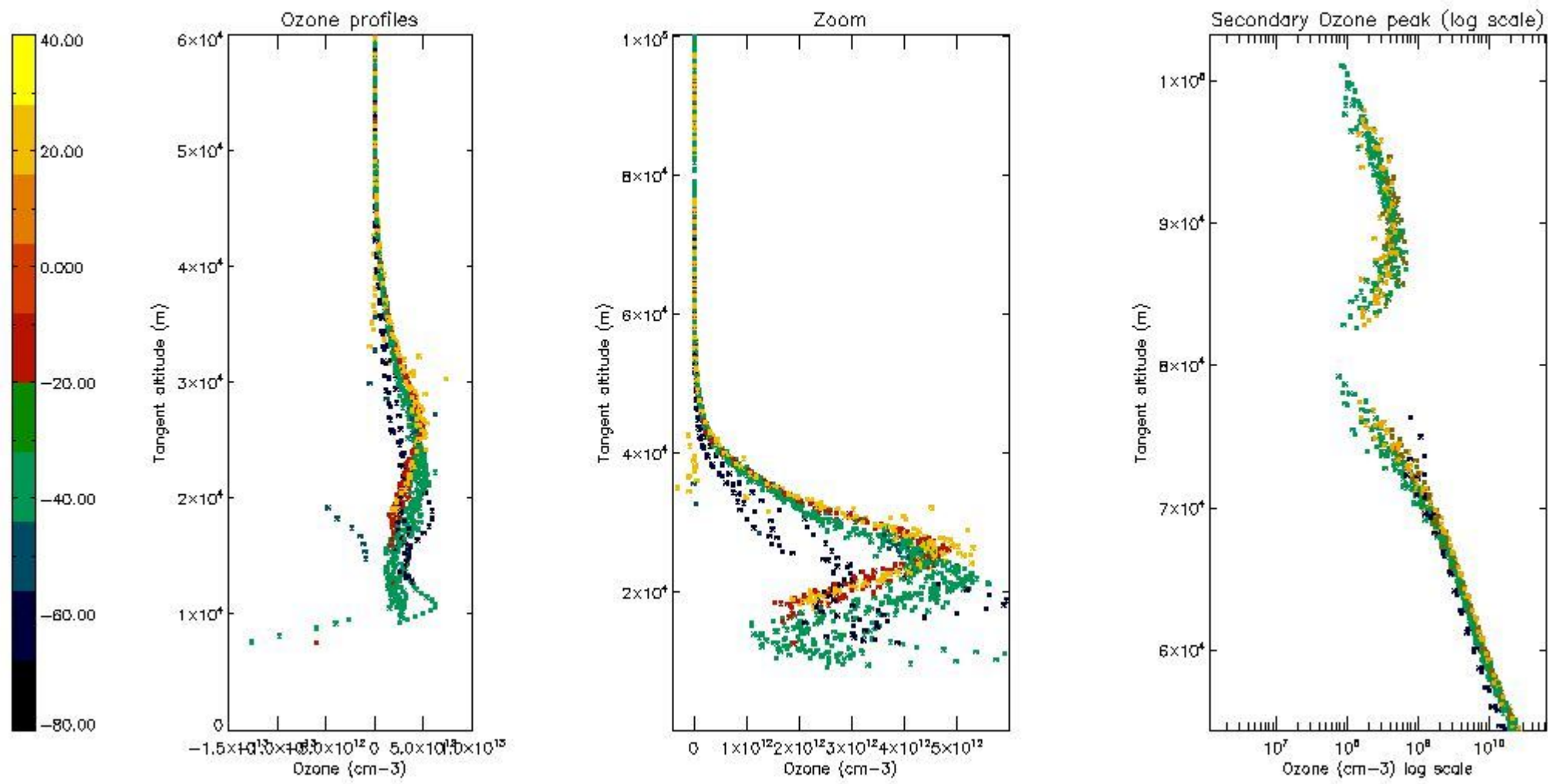
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



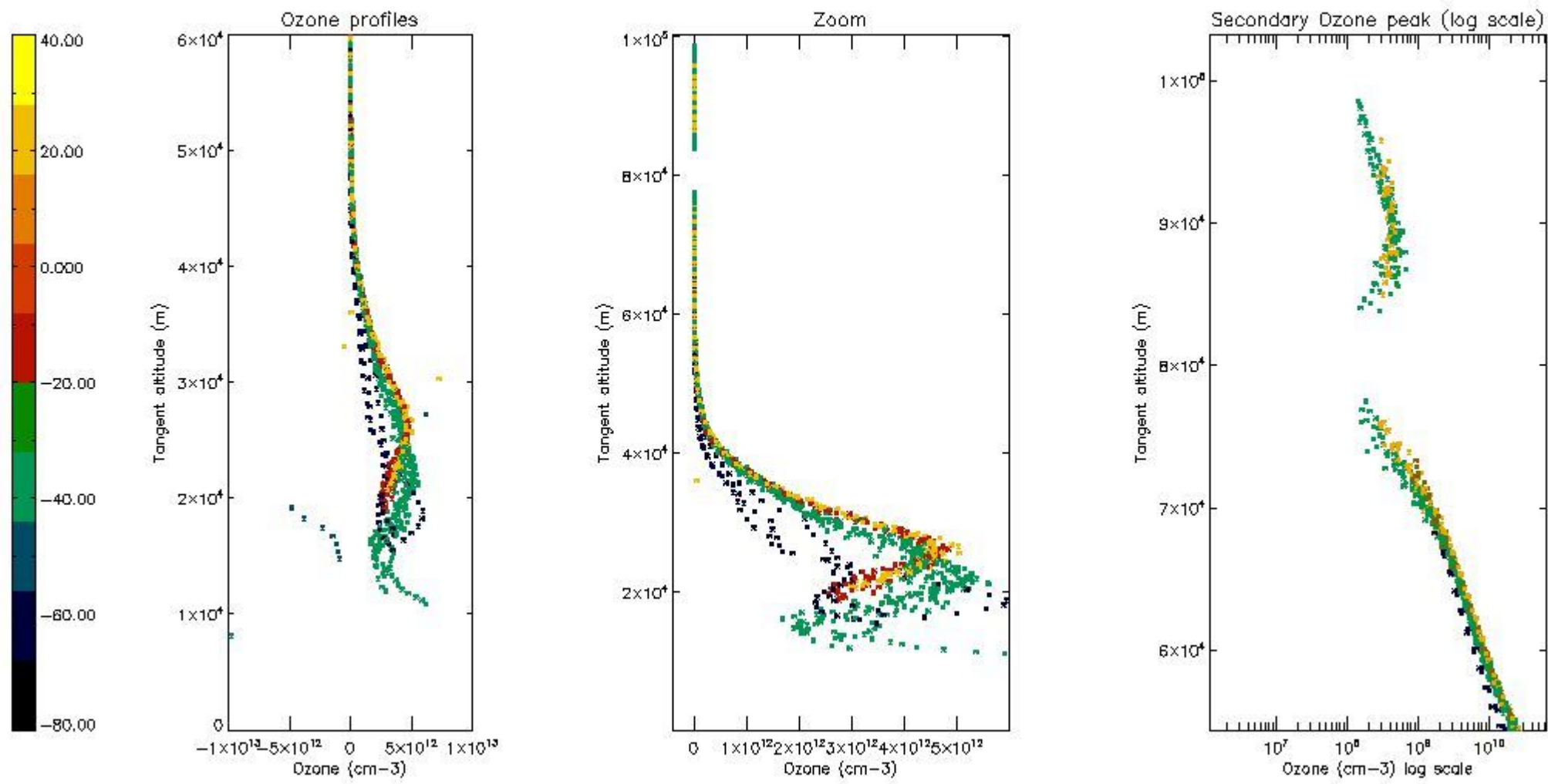
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



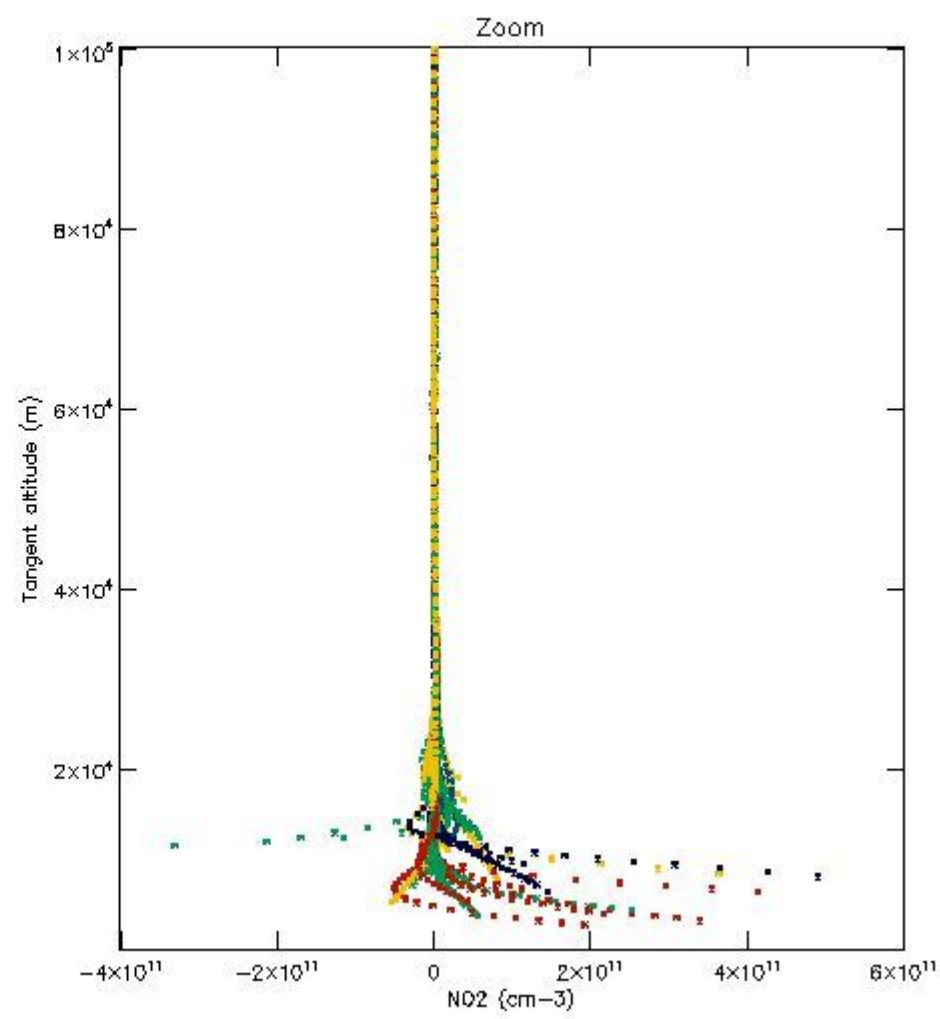
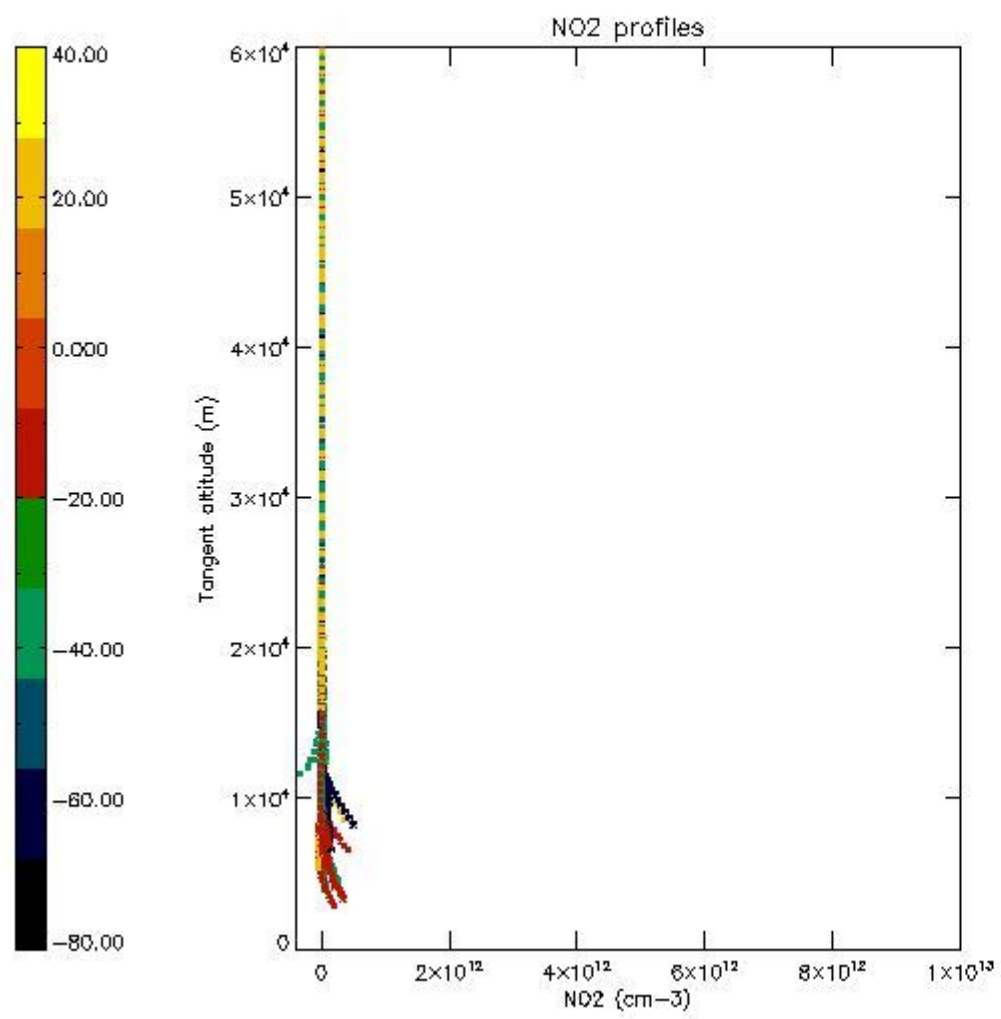
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



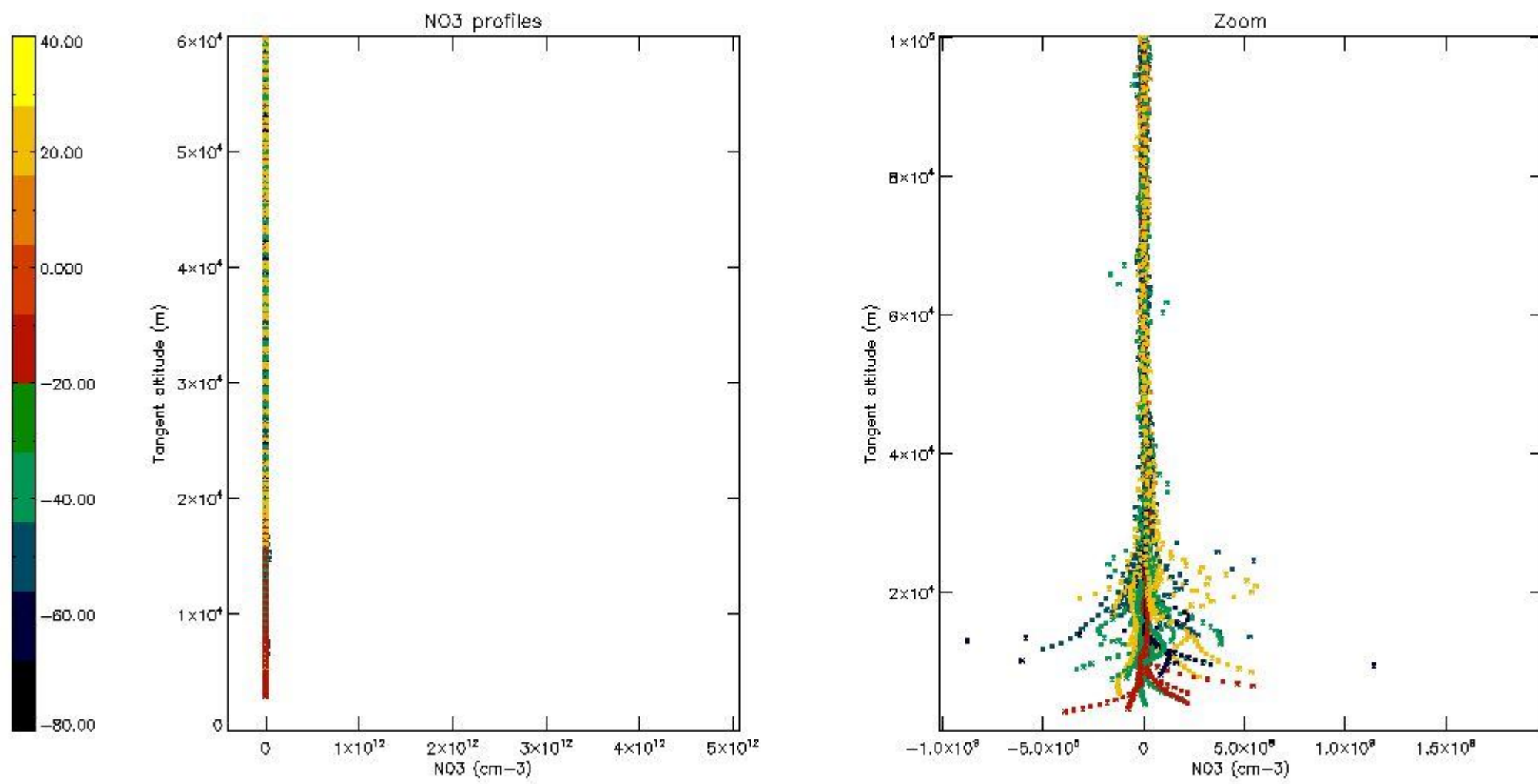
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



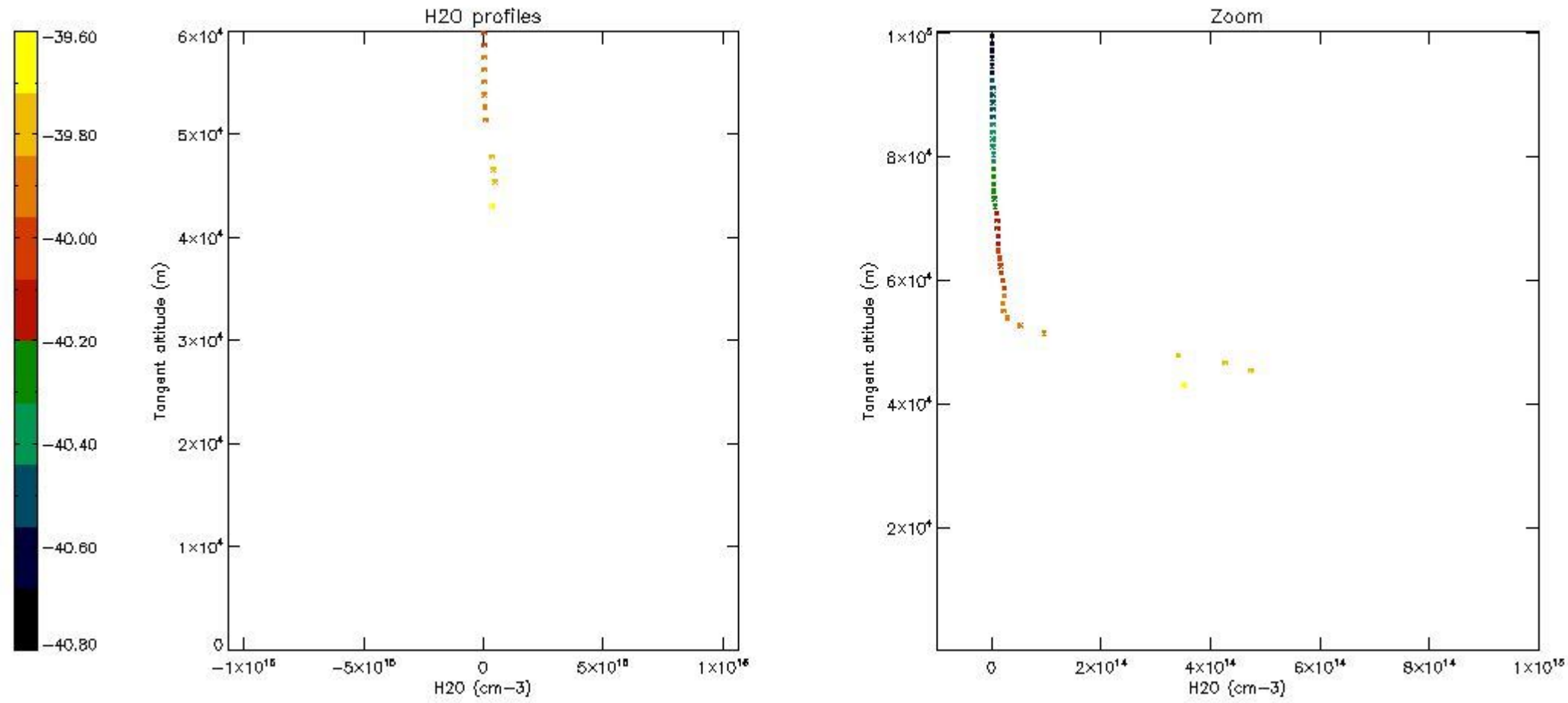
5.7 Plot NO3 profiles for all STD (dark without errors)

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	16-SEP-2010 10:31:34
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	16-SEP-2010 10:31:34
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	16-SEP-2010 10:31:34

GOMOS Level 2 Daily Report

SUMMARY

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

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

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

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

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

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

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

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

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

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

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

Item	Value
Time of report generation	29APR2013 15:11:46
Data source version	GOMOS/6.01
Start time of products	16-09-2010 (16SEP2010 00:00:00)
Stop time of products	17-09-2010 (17SEP2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	122
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__2PRFIN20100916_103134_000000412093_00037_44680_6709.N1	16-SEP-2010 10:31:34	Dark	41.000	143	Alp Hyi	2.8570	7200.0	82	44680	No
2	GOM_NL__2PRFIN20100916_103300_000000502093_00037_44680_6710.N1	16-SEP-2010 10:33:00	Dark	50.000	9	Alp Eri	0.45300	24000.	100	44680	No
3	GOM_NL__2PRFIN20100916_103843_000000462093_00037_44680_6711.N1	16-SEP-2010 10:38:43	Straylight	45.500	84	Alp Phe	2.3970	4500.0	91	44680	No
4	GOM_NL__2PRFIN20100916_104622_000000252093_00037_44680_6712.N1	16-SEP-2010 10:46:22	Twilight	24.500	52	16Bet Cet	2.0370	4500.0	49	44680	No
5	GOM_NL__2PRFIN20100916_105713_000000402093_00037_44680_6713.N1	16-SEP-2010 10:57:13	Bright	39.500	90	54Alp Peg	2.4870	11000.	79	44680	No
6	GOM_NL__2PRFIN20100916_110105_000000392093_00037_44680_6714.N1	16-SEP-2010 11:01:05	Bright	39.000	93	53Bet Peg	2.5200	3100.0	78	44680	No
7	GOM_NL__2PRFIN20100916_111120_000000432093_00037_44680_6715.N1	16-SEP-2010 11:11:20	Bright	43.000	74	11Bet Cas	2.2680	6600.0	86	44680	No
8	GOM_NL__2PRFIN20100916_111307_000000442093_00037_44680_6716.N1	16-SEP-2010 11:13:07	Bright	43.500	76	27Gam Cas	2.3000	30000.	87	44680	No
9	GOM_NL__2PRFIN20100916_113536_000000452093_00037_44680_6717.N1	16-SEP-2010 11:35:36	Bright	44.500	24	66Alp Gem	1.5800	10200.	89	44680	No
10	GOM_NL__2PRFIN20100916_114419_000000542093_00037_44680_6718.N1	16-SEP-2010 11:44:19	Twilight	53.500	8	10Alp CMi	0.40000	6500.0	107	44680	No
11	GOM_NL__2PRFIN20100916_115145_000000392093_00037_44680_6719.N1	16-SEP-2010 11:51:45	Dark	39.000	132	15Rho Pup	2.8030	6900.0	78	44680	No
12	GOM_NL__2PRFIN20100916_115328_000000652093_00037_44680_6720.N1	16-SEP-2010 11:53:28	Dark	64.500	1	9Alp CMa	-1.4400	11000.	129	44680	No
13	GOM_NL__2PRFIN20100916_115524_000000302093_00037_44680_6721.N1	16-SEP-2010 11:55:24	Dark	30.000	47	2Bet CMa	1.9760	28000.	60	44680	No
14	GOM_NL__2PRFIN20100916_115642_000000522093_00037_44680_6722.N1	16-SEP-2010 11:56:42	Dark	51.500	117	Pi Pup	2.7060	3800.0	103	44680	No
15	GOM_NL__2PRFIN20100916_120155_000000562093_00038_44681_6789.N1	16-SEP-2010 12:01:55	Dark	56.000	2	Alp Car	-0.73600	7000.0	112	44681	No
16	GOM_NL__2PRFIN20100916_121210_000000402093_00038_44681_6790.N1	16-SEP-2010 12:12:10	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	44681	No
17	GOM_NL__2PRFIN20100916_121336_000000452093_00038_44681_6791.N1	16-SEP-2010 12:13:36	Dark	45.000	9	Alp Eri	0.45300	24000.	90	44681	No
18	GOM_NL__2PRFIN20100916_121920_000000412093_00038_44681_6792.N1	16-SEP-2010 12:19:20	Straylight	41.000	84	Alp Phe	2.3970	4500.0	82	44681	No
19	GOM_NL__2PRFIN20100916_122658_000000252093_00038_44681_6793.N1	16-SEP-2010 12:26:58	Twilight	24.500	52	16Bet Cet	2.0370	4500.0	49	44681	No
20	GOM_NL__2PRFIN20100916_123749_000000402093_00038_44681_6794.N1	16-SEP-2010 12:37:49	Bright	39.500	90	54Alp Peg	2.4870	11000.	79	44681	No
21	GOM_NL__2PRFIN20100916_124141_000000412093_00038_44681_6795.N1	16-SEP-2010 12:41:41	Bright	41.000	93	53Bet Peg	2.5200	3100.0	82	44681	No
22	GOM_NL__2PRFIN20100916_125155_000000382093_00038_44681_6796.N1	16-SEP-2010 12:51:55	Bright	37.500	74	11Bet Cas	2.2680	6600.0	75	44681	No
23	GOM_NL__2PRFIN20100916_125343_000000422093_00038_44681_6797.N1	16-SEP-2010 12:53:43	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	44681	No
24	GOM_NL__2PRFIN20100916_131612_000000442093_00038_44681_6798.N1	16-SEP-2010 13:16:12	Bright	43.500	24	66Alp Gem	1.5800	10200.	87	44681	No
25	GOM_NL__2PRFIN20100916_132455_000000532093_00038_44681_6799.N1	16-SEP-2010 13:24:55	Twilight	52.500	8	10Alp CMi	0.40000	6500.0	105	44681	No
26	GOM_NL__2PRFIN20100916_133221_000000412093_00038_44681_6800.N1	16-SEP-2010 13:32:21	Dark	41.000	132	15Rho Pup	2.8030	6900.0	82	44681	No
27	GOM_NL__2PRFIN20100916_133405_000000702093_00038_44681_6801.N1	16-SEP-2010 13:34:05	Dark	70.000	1	9Alp CMa	-1.4400	11000.	140	44681	No
28	GOM_NL__2PRFIN20100916_133601_000000302093_00038_44681_6802.N1	16-SEP-2010 13:36:01	Dark	30.000	47	2Bet CMa	1.9760	28000.	60	44681	No
29	GOM_NL__2PRFIN20100916_133719_000000462093_00038_44681_6803.N1	16-SEP-2010 13:37:19	Dark	45.500	117	Pi Pup	2.7060	3800.0	91	44681	No
30	GOM_NL__2PRFIN20100916_134232_000000482093_00039_44682_6809.N1	16-SEP-2010 13:42:32	Dark	48.000	2	Alp Car	-0.73600	7000.0	96	44682	No
31	GOM_NL__2PRFIN20100916_135247_000000392093_00039_44682_6810.N1	16-SEP-2010 13:52:47	Dark	39.000	143	Alp Hyi	2.8570	7200.0	78	44682	No
32	GOM_NL__2PRFIN20100916_135412_000000432093_00039_44682_6811.N1	16-SEP-2010 13:54:12	Dark	42.500	9	Alp Eri	0.45300	24000.	85	44682	No
33	GOM_NL__2PRFIN20100916_135956_000000472093_00039_44682_6812.N1	16-SEP-2010 13:59:56	Straylight	47.000	84	Alp Phe	2.3970	4500.0	94	44682	No
34	GOM_NL__2PRFIN20100916_140734_000000302093_00039_44682_6813.N1	16-SEP-2010 14:07:34	Twilight	30.000	52	16Bet Cet	2.0370	4500.0	60	44682	No
35	GOM_NL__2PRFIN20100916_141824_000000402093_00039_44682_6814.N1	16-SEP-2010 14:18:24	Bright	39.500	90	54Alp Peg	2.4870	11000.	79	44682	No
36	GOM_NL__2PRFIN20100916_142216_000000402093_00039_44682_6815.N1	16-SEP-2010 14:22:16	Bright	40.000	93	53Bet Peg	2.5200	3100.0	80	44682	No
37	GOM_NL__2PRFIN20100916_142419_000000302093_00039_44682_6816.N1	16-SEP-2010 14:24:19	Twilight	30.000	58	21Alp And	2.0730	11000.	60	44682	No
38	GOM_NL__2PRFIN20100916_143231_000000422093_00039_44682_6817.N1	16-SEP-2010 14:32:31	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	44682	No
39	GOM_NL__2PRFIN20100916_143418_000000422093_00039_44682_6818.N1	16-SEP-2010 14:34:18	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	44682	No
40	GOM_NL__2PRFIN20100916_145648_000000422093_00039_44682_6819.N1	16-SEP-2010 14:56:48	Bright	41.500	24	66Alp Gem	1.5800	10200.	83	44682	No
41	GOM_NL__2PRFIN20100916_150532_000000572093_00039_44682_6820.N1	16-SEP-2010 15:05:32	Twilight	57.000	8	10Alp CMi	0.40000	6500.0	114	44682	No
42	GOM_NL__2PRFIN20100916_151258_000000432093_00039_44682_6821.N1	16-SEP-2010 15:12:58	Dark	42.500	132	15Rho Pup	2.8030	6900.0	85	44682	No

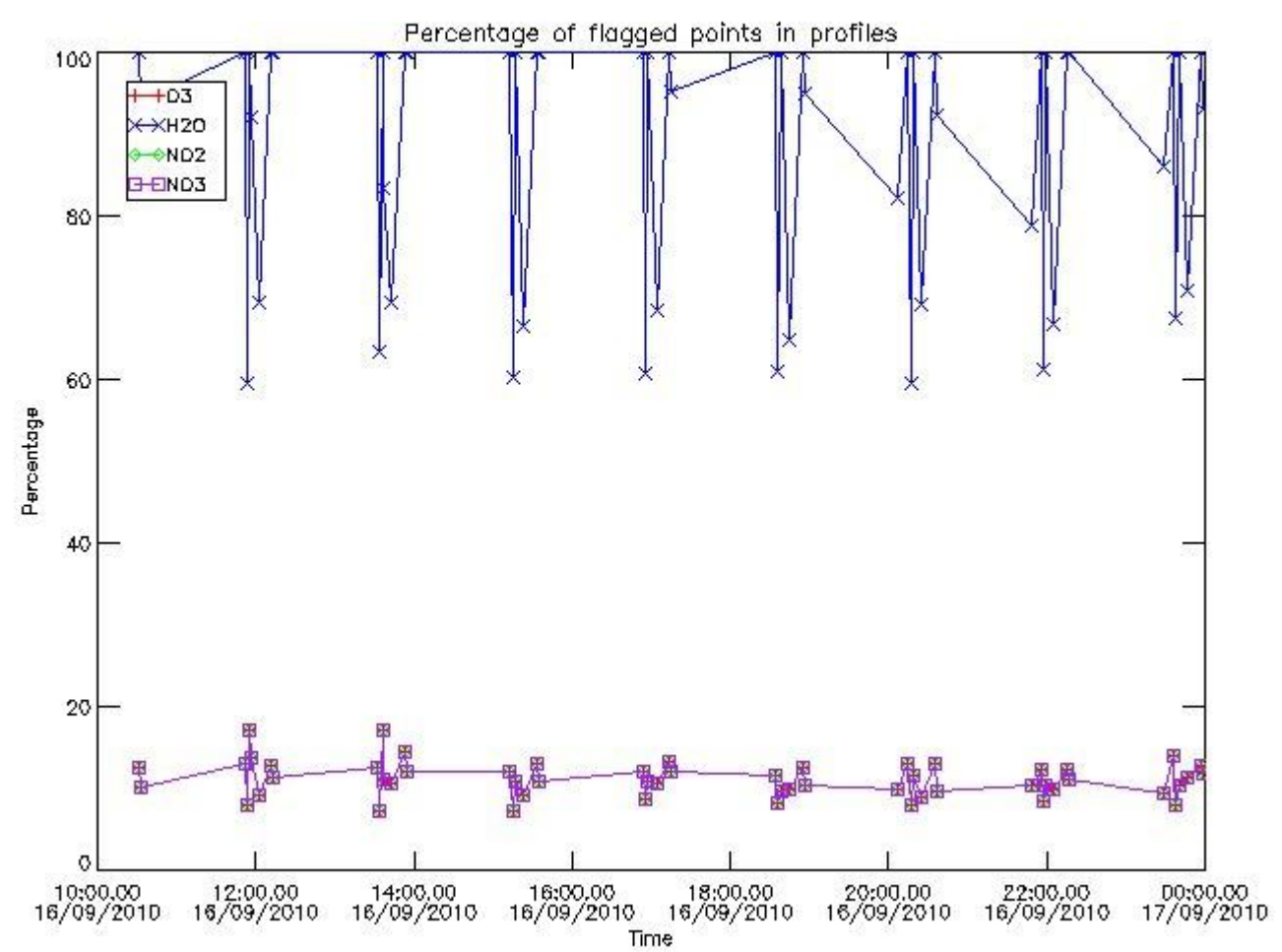
43	GOM_NL__2PRFIN20100916_151442_000000712093_00039_44682_6822.N1	16-SEP-2010 15:14:42	Dark	71.000	1	9Alp CMa	-1.4400	11000.	142	44682	No
44	GOM_NL__2PRFIN20100916_151654_000000472093_00039_44682_6823.N1	16-SEP-2010 15:16:54	Dark	46.500	23	21Eps CMa	1.5020	26000.	93	44682	No
45	GOM_NL__2PRFIN20100916_152308_000000562093_00040_44683_6841.N1	16-SEP-2010 15:23:08	Dark	55.500	2	Alp Car	-0.73600	7000.0	111	44683	No
46	GOM_NL__2PRFIN20100916_153323_000000402093_00040_44683_6842.N1	16-SEP-2010 15:33:23	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	44683	No
47	GOM_NL__2PRFIN20100916_153449_000000472093_00040_44683_6843.N1	16-SEP-2010 15:34:49	Dark	46.500	9	Alp Eri	0.45300	24000.	93	44683	No
48	GOM_NL__2PRFIN20100916_154032_000000472093_00040_44683_6844.N1	16-SEP-2010 15:40:32	Straylight	46.500	84	Alp Phe	2.3970	4500.0	93	44683	No
49	GOM_NL__2PRFIN20100916_154810_000000302093_00040_44683_6845.N1	16-SEP-2010 15:48:10	Twi_and_stray	30.000	52	16Bet Cet	2.0370	4500.0	60	44683	No
50	GOM_NL__2PRFIN20100916_155900_000000402093_00040_44683_6846.N1	16-SEP-2010 15:59:00	Bright	39.500	90	54Alp Peg	2.4870	11000.	79	44683	No
51	GOM_NL__2PRFIN20100916_160252_000000392093_00040_44683_6847.N1	16-SEP-2010 16:02:52	Bright	39.000	93	53Bet Peg	2.5200	3100.0	78	44683	No
52	GOM_NL__2PRFIN20100916_160454_000000302093_00040_44683_6848.N1	16-SEP-2010 16:04:54	Twi_and_stray	30.000	58	21Alp And	2.0730	11000.	60	44683	No
53	GOM_NL__2PRFIN20100916_161306_000000402093_00040_44683_6849.N1	16-SEP-2010 16:13:06	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	44683	No
54	GOM_NL__2PRFIN20100916_161453_000000412093_00040_44683_6850.N1	16-SEP-2010 16:14:53	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	44683	No
55	GOM_NL__2PRFIN20100916_163724_000000462093_00040_44683_6851.N1	16-SEP-2010 16:37:24	Bright	45.500	24	66Alp Gem	1.5800	10200.	91	44683	No
56	GOM_NL__2PRFIN20100916_164608_000000612093_00040_44683_6852.N1	16-SEP-2010 16:46:08	Twilight	61.000	8	10Alp CMi	0.40000	6500.0	122	44683	No
57	GOM_NL__2PRFIN20100916_165334_000000432093_00040_44683_6853.N1	16-SEP-2010 16:53:34	Dark	42.500	132	15Rho Pup	2.8030	6900.0	85	44683	No
58	GOM_NL__2PRFIN20100916_165519_000000592093_00040_44683_6854.N1	16-SEP-2010 16:55:19	Dark	59.000	1	9Alp CMa	-1.4400	11000.	118	44683	No
59	GOM_NL__2PRFIN20100916_165730_000000472093_00040_44683_6855.N1	16-SEP-2010 16:57:30	Dark	46.500	23	21Eps CMa	1.5020	26000.	93	44683	No
60	GOM_NL__2PRFIN20100916_170345_000000482093_00041_44684_6865.N1	16-SEP-2010 17:03:45	Dark	48.000	2	Alp Car	-0.73600	7000.0	96	44684	No
61	GOM_NL__2PRFIN20100916_171400_000000392093_00041_44684_6866.N1	16-SEP-2010 17:14:00	Dark	38.500	143	Alp Hyi	2.8570	7200.0	77	44684	No
62	GOM_NL__2PRFIN20100916_171525_000000422093_00041_44684_6867.N1	16-SEP-2010 17:15:25	Dark	42.000	9	Alp Eri	0.45300	24000.	84	44684	No
63	GOM_NL__2PRFIN20100916_172109_000000482093_00041_44684_6868.N1	16-SEP-2010 17:21:09	Straylight	47.500	84	Alp Phe	2.3970	4500.0	95	44684	No
64	GOM_NL__2PRFIN20100916_172846_000000362093_00041_44684_6869.N1	16-SEP-2010 17:28:46	Twi_and_stray	36.000	52	16Bet Cet	2.0370	4500.0	72	44684	No
65	GOM_NL__2PRFIN20100916_173936_000000402093_00041_44684_6870.N1	16-SEP-2010 17:39:36	Bright	39.500	90	54Alp Peg	2.4870	11000.	79	44684	No
66	GOM_NL__2PRFIN20100916_174328_000000402093_00041_44684_6871.N1	16-SEP-2010 17:43:28	Bright	40.000	93	53Bet Peg	2.5200	3100.0	80	44684	No
67	GOM_NL__2PRFIN20100916_174530_000000372093_00041_44684_6872.N1	16-SEP-2010 17:45:30	Bright	37.000	58	21Alp And	2.0730	11000.	74	44684	No
68	GOM_NL__2PRFIN20100916_175342_000000412093_00041_44684_6873.N1	16-SEP-2010 17:53:42	Bright	40.500	74	11Bet Cas	2.2680	6600.0	81	44684	No
69	GOM_NL__2PRFIN20100916_175529_000000432093_00041_44684_6874.N1	16-SEP-2010 17:55:29	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	44684	No
70	GOM_NL__2PRFIN20100916_181801_000000442093_00041_44684_6875.N1	16-SEP-2010 18:18:01	Bright	44.000	24	66Alp Gem	1.5800	10200.	88	44684	No
71	GOM_NL__2PRFIN20100916_182645_000000602093_00041_44684_6876.N1	16-SEP-2010 18:26:45	Twilight	59.500	8	10Alp CMi	0.40000	6500.0	119	44684	No
72	GOM_NL__2PRFIN20100916_183411_000000442093_00041_44684_6877.N1	16-SEP-2010 18:34:11	Dark	44.000	132	15Rho Pup	2.8030	6900.0	88	44684	No
73	GOM_NL__2PRFIN20100916_183556_000000622093_00041_44684_6878.N1	16-SEP-2010 18:35:56	Dark	62.000	1	9Alp CMa	-1.4400	11000.	124	44684	No
74	GOM_NL__2PRFIN20100916_183807_000000532093_00041_44684_6879.N1	16-SEP-2010 18:38:07	Dark	52.500	23	21Eps CMa	1.5020	26000.	105	44684	No
75	GOM_NL__2PRFIN20100916_184422_000000522093_00042_44685_7110.N1	16-SEP-2010 18:44:22	Dark	51.500	2	Alp Car	-0.73600	7000.0	103	44685	No
76	GOM_NL__2PRFIN20100916_185436_000000412093_00042_44685_7111.N1	16-SEP-2010 18:54:36	Dark	40.500	143	Alp Hyi	2.8570	7200.0	81	44685	No
77	GOM_NL__2PRFIN20100916_185602_000000492093_00042_44685_7112.N1	16-SEP-2010 18:56:02	Dark	48.500	9	Alp Eri	0.45300	24000.	97	44685	No
78	GOM_NL__2PRFIN20100916_190145_000000462093_00042_44685_7113.N1	16-SEP-2010 19:01:45	Straylight	45.500	84	Alp Phe	2.3970	4500.0	91	44685	No
79	GOM_NL__2PRFIN20100916_190923_000000362093_00042_44685_7114.N1	16-SEP-2010 19:09:23	Twi_and_stray	36.000	52	16Bet Cet	2.0370	4500.0	72	44685	No
80	GOM_NL__2PRFIN20100916_192012_000000402093_00042_44685_7115.N1	16-SEP-2010 19:20:12	Bright	40.000	90	54Alp Peg	2.4870	11000.	80	44685	No
81	GOM_NL__2PRFIN20100916_192403_000000432093_00042_44685_7116.N1	16-SEP-2010 19:24:03	Bright	43.000	93	53Bet Peg	2.5200	3100.0	86	44685	No
82	GOM_NL__2PRFIN20100916_192605_000000372093_00042_44685_7117.N1	16-SEP-2010 19:26:05	Bright	37.000	58	21Alp And	2.0730	11000.	74	44685	No
83	GOM_NL__2PRFIN20100916_193418_000000412093_00042_44685_7118.N1	16-SEP-2010 19:34:18	Bright	40.500	74	11Bet Cas	2.2680	6600.0	81	44685	No
84	GOM_NL__2PRFIN20100916_193604_000000432093_00042_44685_7119.N1	16-SEP-2010 19:36:04	Bright	43.000	76	27Gam Cas	2.3000	30000.	86	44685	No
85	GOM_NL__2PRFIN20100916_195837_000000632093_00042_44685_7120.N1	16-SEP-2010 19:58:37	Bright	63.000	24	66Alp Gem	1.5800	10200.	126	44685	No
86	GOM_NL__2PRFIN20100916_200721_000000572093_00042_44685_7121.N1	16-SEP-2010 20:07:21	Dark	56.500	8	10Alp CMi	0.40000	6500.0	113	44685	No
87	GOM_NL__2PRFIN20100916_201447_000000392093_00042_44685_7122.N1	16-SEP-2010 20:14:47	Dark	39.000	132	15Rho Pup	2.8030	6900.0	78	44685	No
88	GOM_NL__2PRFIN20100916_201633_000000642093_00042_44685_7123.N1	16-SEP-2010 20:16:33	Dark	63.500	1	9Alp CMa	-1.4400	11000.	127	44685	No
89	GOM_NL__2PRFIN20100916_201844_000000452093_00042_44685_7124.N1	16-SEP-2010 20:18:44	Dark	44.500	23	21Eps CMa	1.5020	26000.	89	44685	No
90	GOM_NL__2PRFIN20100916_202458_000000572093_00043_44686_6949.N1	16-SEP-2010 20:24:58	Dark	57.000	2	Alp Car	-0.73600	7000.0	114	44686	No
91	GOM_NL__2PRFIN20100916_203513_000000402093_00043_44686_6950.N1	16-SEP-2010 20:35:13	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	44686	No
92	GOM_NL__2PRFIN20100916_203638_000000532093_00043_44686_6951.N1	16-SEP-2010 20:36:38	Dark	52.500	9	Alp Eri	0.45300	24000.	105	44686	No
93	GOM_NL__2PRFIN20100916_204221_000000502093_00043_44686_6952.N1	16-SEP-2010 20:42:21	Straylight	50.000	84	Alp Phe	2.3970	4500.0	100	44686	No
94	GOM_NL__2PRFIN20100916_204959_000000422093_00043_44686_6953.N1	16-SEP-2010 20:49:59	Twi_and_stray	42.000	52	16Bet Cet	2.0370	4500.0	84	44686	No
95	GOM_NL__2PRFIN20100916_210048_000000392093_00043_44686_6954.N1	16-SEP-2010 21:00:48	Bright	38.500	90	54Alp Peg	2.4870	11000.	77	44686	No
96	GOM_NL__2PRFIN20100916_210439_000000382093_00043_44686_6955.N1	16-SEP-2010 21:04:39	Bright	38.000	93	53Bet Peg	2.5200	3100.0	76	44686	No
97	GOM_NL__2PRFIN20100916_210640_000000432093_00043_44686_6956.N1	16-SEP-2010 21:06:40	Bright	43.000	58	21Alp And	2.0730	11000.	86	44686	No
98	GOM_NL__2PRFIN20100916_211453_000000392093_00043_44686_6957.N1	16-SEP-2010 21:14:53	Bright	39.000	74	11Bet Cas	2.2680	6600.0	78	44686	No
99	GOM_NL__2PRFIN20100916_211640_000000452093_00043_44686_6958.N1	16-SEP-2010 21:16:40	Bright	45.000	76	27Gam Cas	2.3000	30000.	90	44686	No
100	GOM_NL__2PRFIN20100916_213913_000000452093_00043_44686_6959.N1	16-SEP-2010 21:39:13	Bright	44.500	24	66Alp Gem	1.5800	10200.	89	44686	No
101	GOM_NL__2PRFIN20100916_214758_000000592093_00043_44686_6960.N1	16-SEP-2010 21:47:58	Dark	59.000	8	10Alp CMi	0.40000	6500.0	118	44686	No

102	GOM_NL__2PRFIN20100916_215523_000000422093_00043_44686_6961.N1	16-SEP-2010 21:55:23	Dark	41.500	132	15Rho Pup	2.8030	6900.0	83	44686	No
103	GOM_NL__2PRFIN20100916_215710_000000612093_00043_44686_6962.N1	16-SEP-2010 21:57:10	Dark	61.000	1	9Alp CMa	-1.4400	11000.	122	44686	No
104	GOM_NL__2PRFIN20100916_215921_000000492093_00043_44686_6963.N1	16-SEP-2010 21:59:21	Dark	49.000	23	21Eps CMa	1.5020	26000.	98	44686	No
105	GOM_NL__2PRFIN20100916_220534_000000522093_00044_44687_6960.N1	16-SEP-2010 22:05:34	Dark	51.500	2	Alp Car	-0.73600	7000.0	103	44687	No
106	GOM_NL__2PRFIN20100916_221549_000000422093_00044_44687_6961.N1	16-SEP-2010 22:15:49	Dark	41.500	143	Alp Hyi	2.8570	7200.0	83	44687	No
107	GOM_NL__2PRFIN20100916_221715_000000462093_00044_44687_6962.N1	16-SEP-2010 22:17:15	Dark	45.500	9	Alp Eri	0.45300	24000.	91	44687	No
108	GOM_NL__2PRFIN20100916_222257_000000452093_00044_44687_6963.N1	16-SEP-2010 22:22:57	Straylight	45.000	84	Alp Phe	2.3970	4500.0	90	44687	No
109	GOM_NL__2PRFIN20100916_223034_000000422093_00044_44687_6964.N1	16-SEP-2010 22:30:34	Twilight_stray	42.000	52	16Bet Cet	2.0370	4500.0	84	44687	No
110	GOM_NL__2PRFIN20100916_224123_000000412093_00044_44687_6965.N1	16-SEP-2010 22:41:23	Bright	40.500	90	54Alp Peg	2.4870	11000.	81	44687	No
111	GOM_NL__2PRFIN20100916_224515_000000382093_00044_44687_6966.N1	16-SEP-2010 22:45:15	Bright	38.000	93	53Bet Peg	2.5200	3100.0	76	44687	No
112	GOM_NL__2PRFIN20100916_224715_000000432093_00044_44687_6967.N1	16-SEP-2010 22:47:15	Bright	43.000	58	21Alp And	2.0730	11000.	86	44687	No
113	GOM_NL__2PRFIN20100916_225528_000000402093_00044_44687_6968.N1	16-SEP-2010 22:55:28	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	44687	No
114	GOM_NL__2PRFIN20100916_225715_000000422093_00044_44687_6969.N1	16-SEP-2010 22:57:15	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	44687	No
115	GOM_NL__2PRFIN20100916_231949_000000452093_00044_44687_6970.N1	16-SEP-2010 23:19:49	Bright	44.500	24	66Alp Gem	1.5800	10200.	89	44687	No
116	GOM_NL__2PRFIN20100916_232834_000000542093_00044_44687_6971.N1	16-SEP-2010 23:28:34	Dark	54.000	8	10Alp CMi	0.40000	6500.0	108	44687	No
117	GOM_NL__2PRFIN20100916_233600_000000402093_00044_44687_6972.N1	16-SEP-2010 23:36:00	Dark	40.000	132	15Rho Pup	2.8030	6900.0	80	44687	No
118	GOM_NL__2PRFIN20100916_233747_000000652093_00044_44687_6973.N1	16-SEP-2010 23:37:47	Dark	65.000	1	9Alp CMa	-1.4400	11000.	130	44687	No
119	GOM_NL__2PRFIN20100916_233958_000000502093_00044_44687_6974.N1	16-SEP-2010 23:39:58	Dark	49.500	23	21Eps CMa	1.5020	26000.	99	44687	No
120	GOM_NL__2PRFIN20100916_234611_000000542093_00045_44688_6972.N1	16-SEP-2010 23:46:11	Dark	53.500	2	Alp Car	-0.73600	7000.0	107	44688	No
121	GOM_NL__2PRFIN20100916_235625_000000402093_00045_44688_6973.N1	16-SEP-2010 23:56:25	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	44688	No
122	GOM_NL__2PRFIN20100916_235751_000000432093_00045_44688_6974.N1	16-SEP-2010 23:57:51	Dark	43.000	9	Alp Eri	0.45300	24000.	86	44688	No

3. Quality information per product

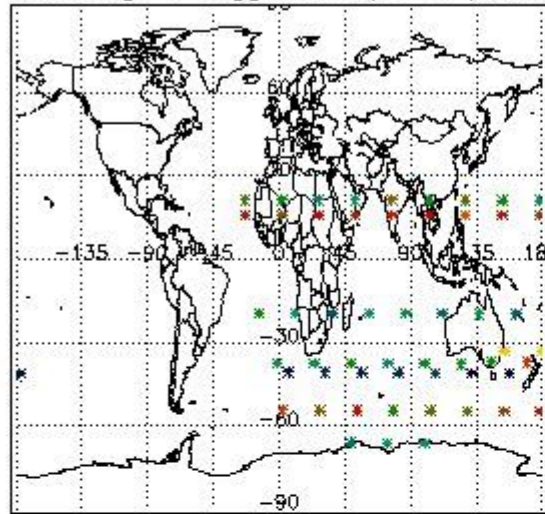
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

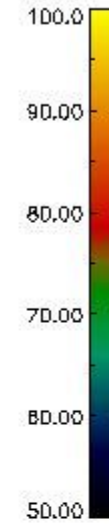
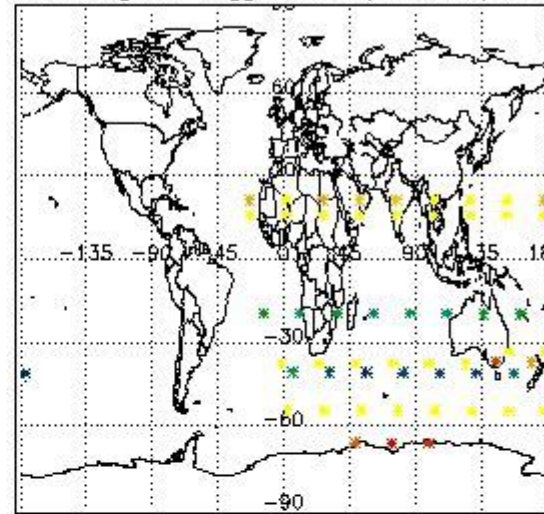


3.2 Plot quality information per product (world map)

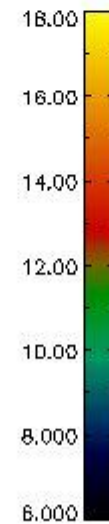
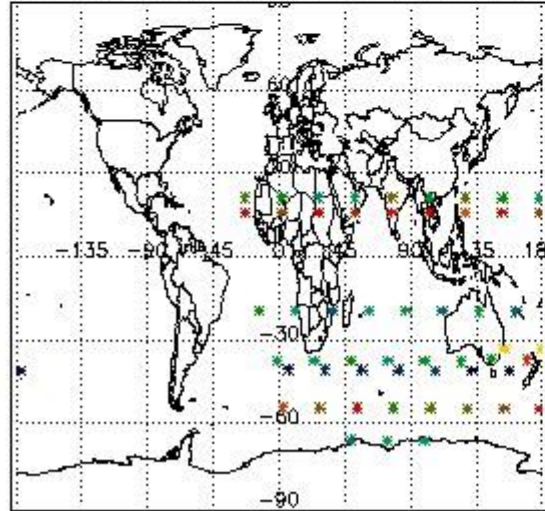
Percentage of flagged data per O3 profile



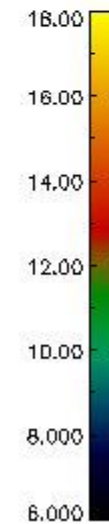
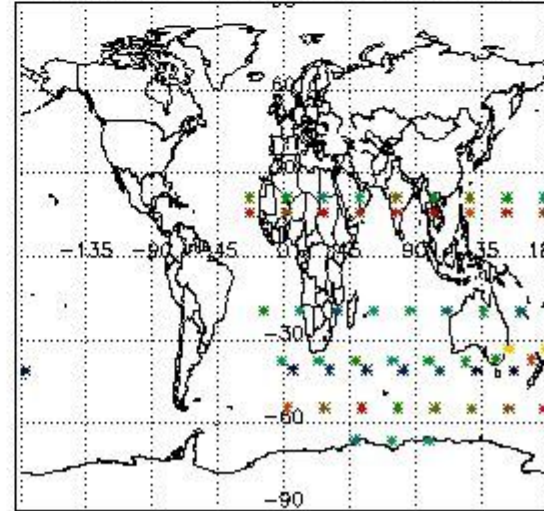
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

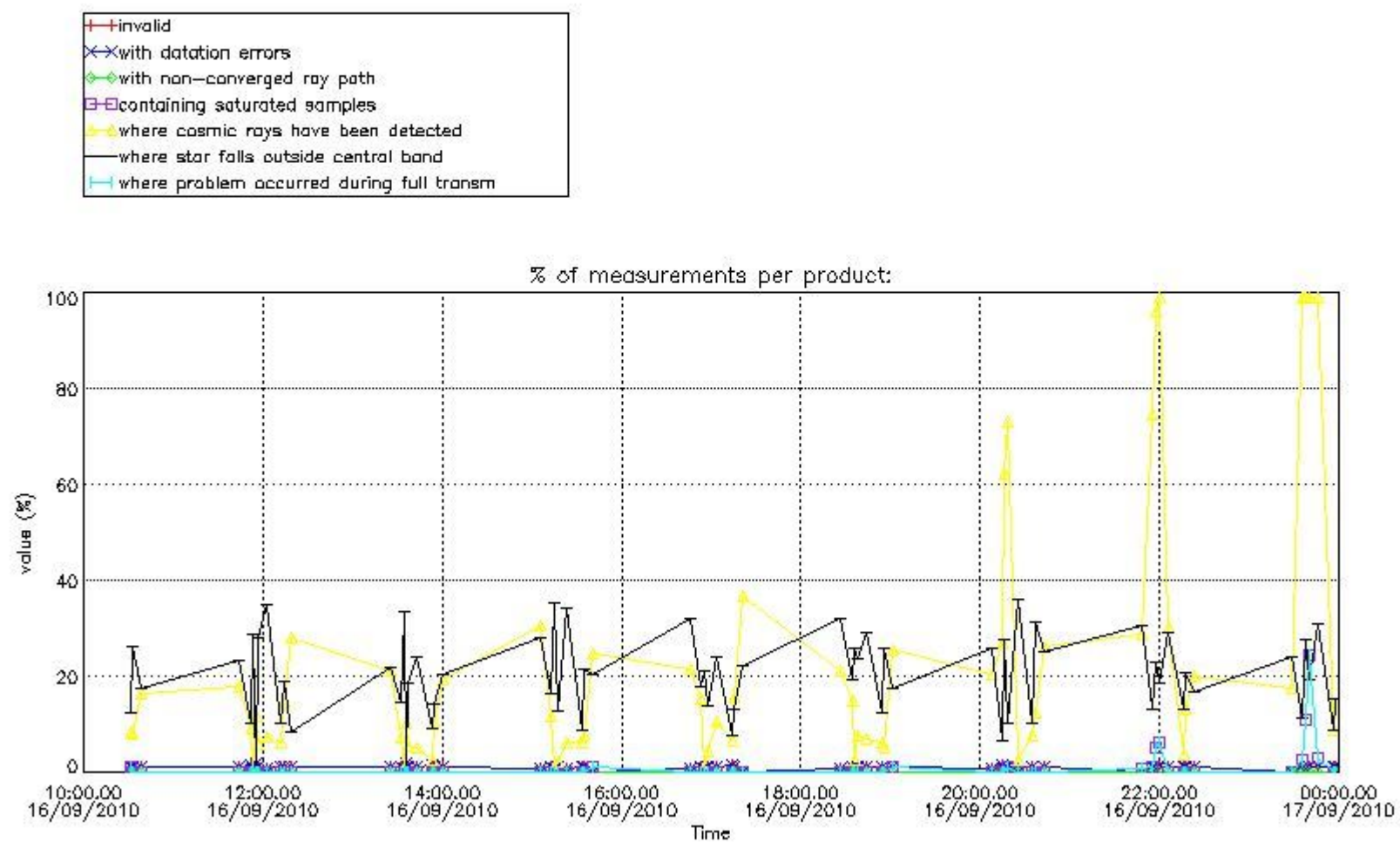


4. Level 1 quality information per product

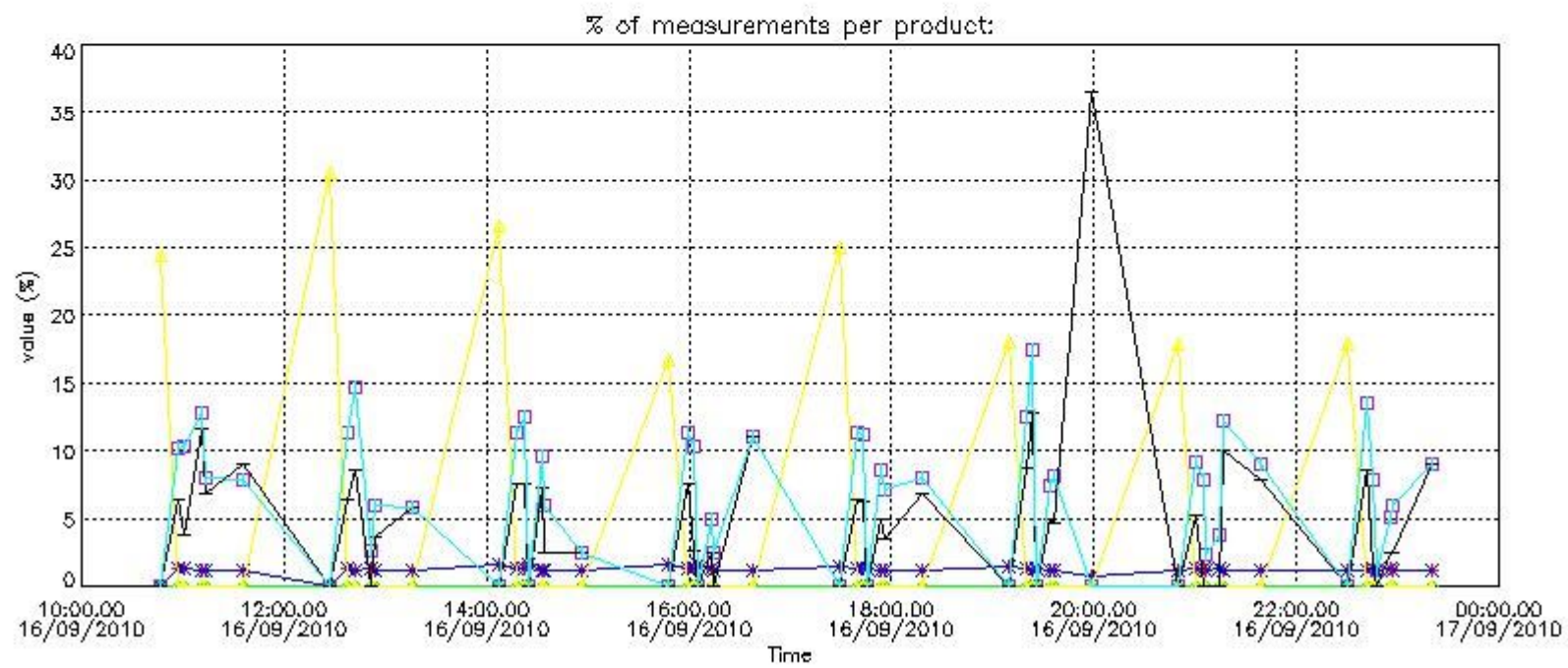
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



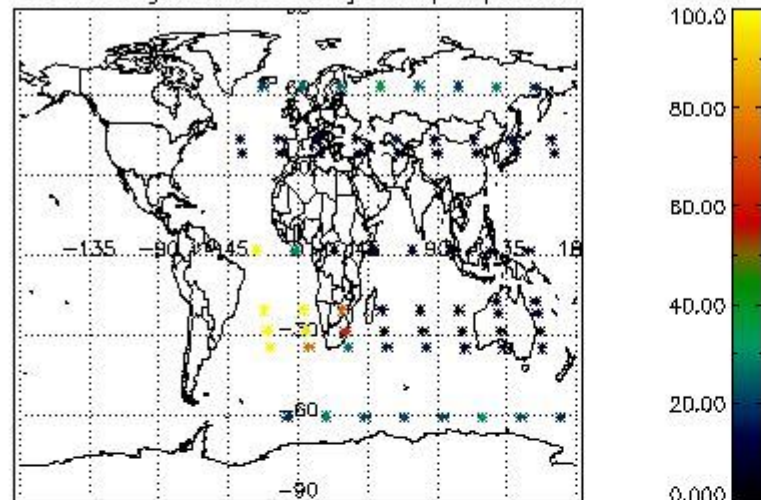
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



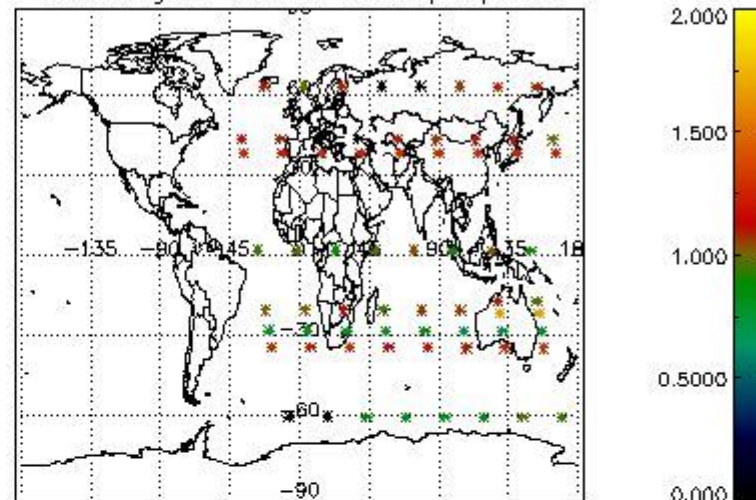
4.2 Plot quality information per product coming from level 1b processing (world map)

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

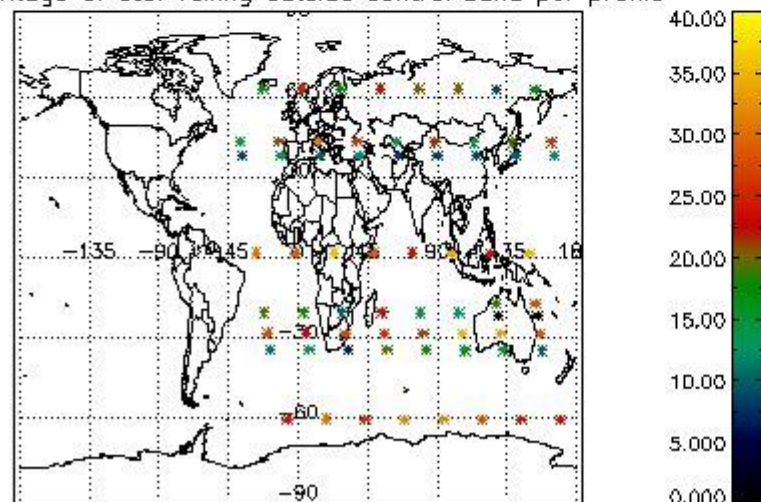
Percentage of cosmic ray hits per profile



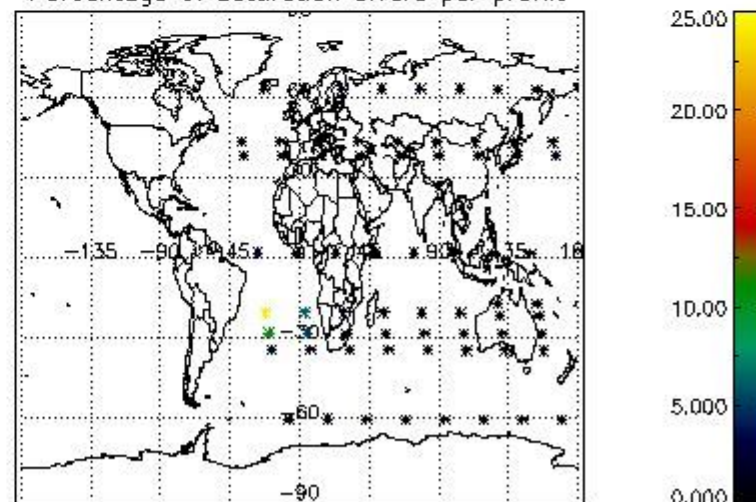
Percentage of datation errors per profile



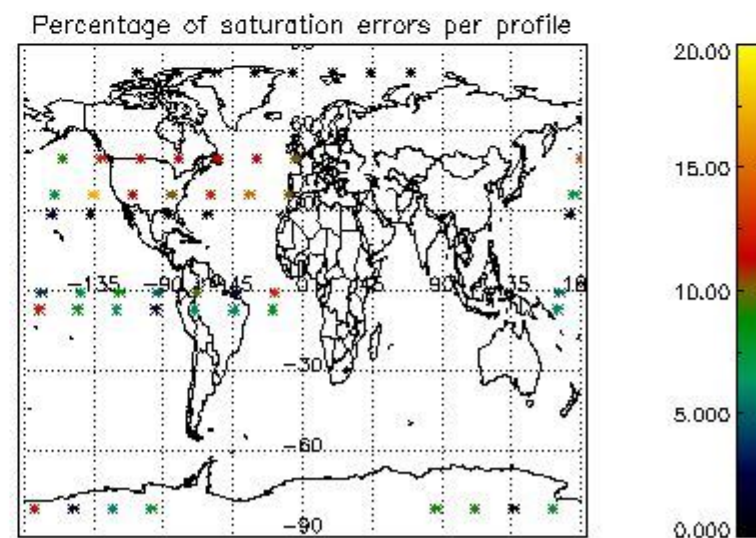
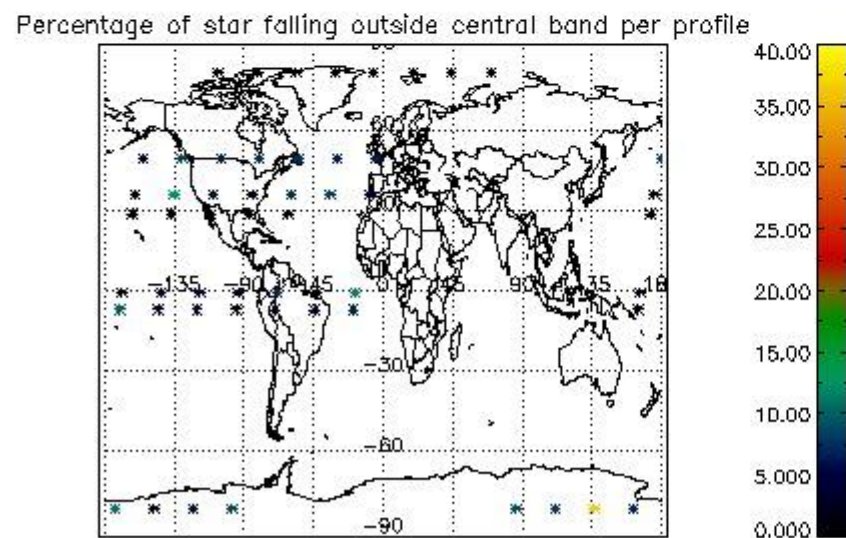
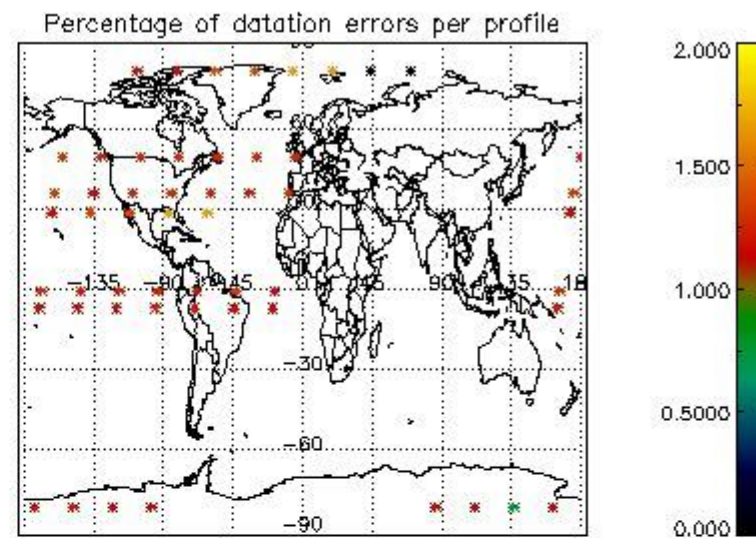
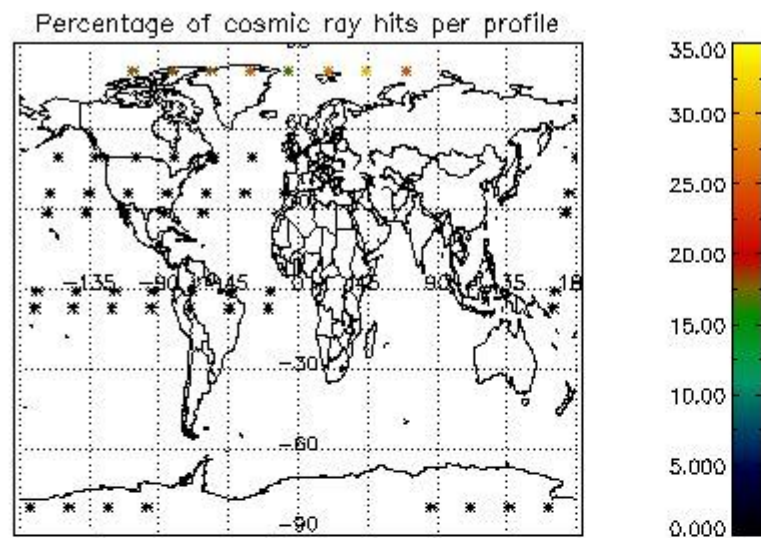
Percentage of star falling outside central band per profile



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

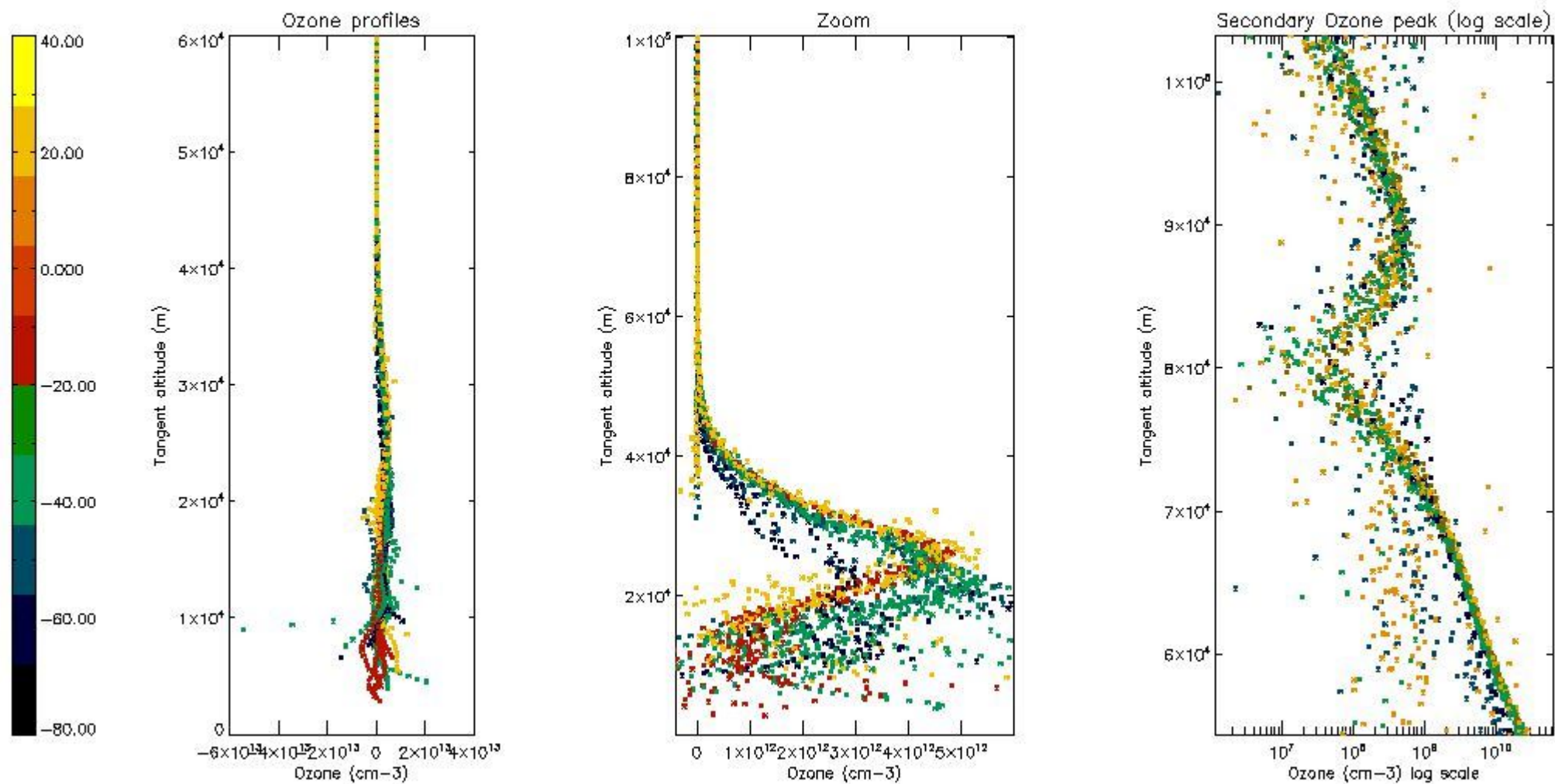
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	50
STD < 20	29

STD < 10	23
STD < 5	18

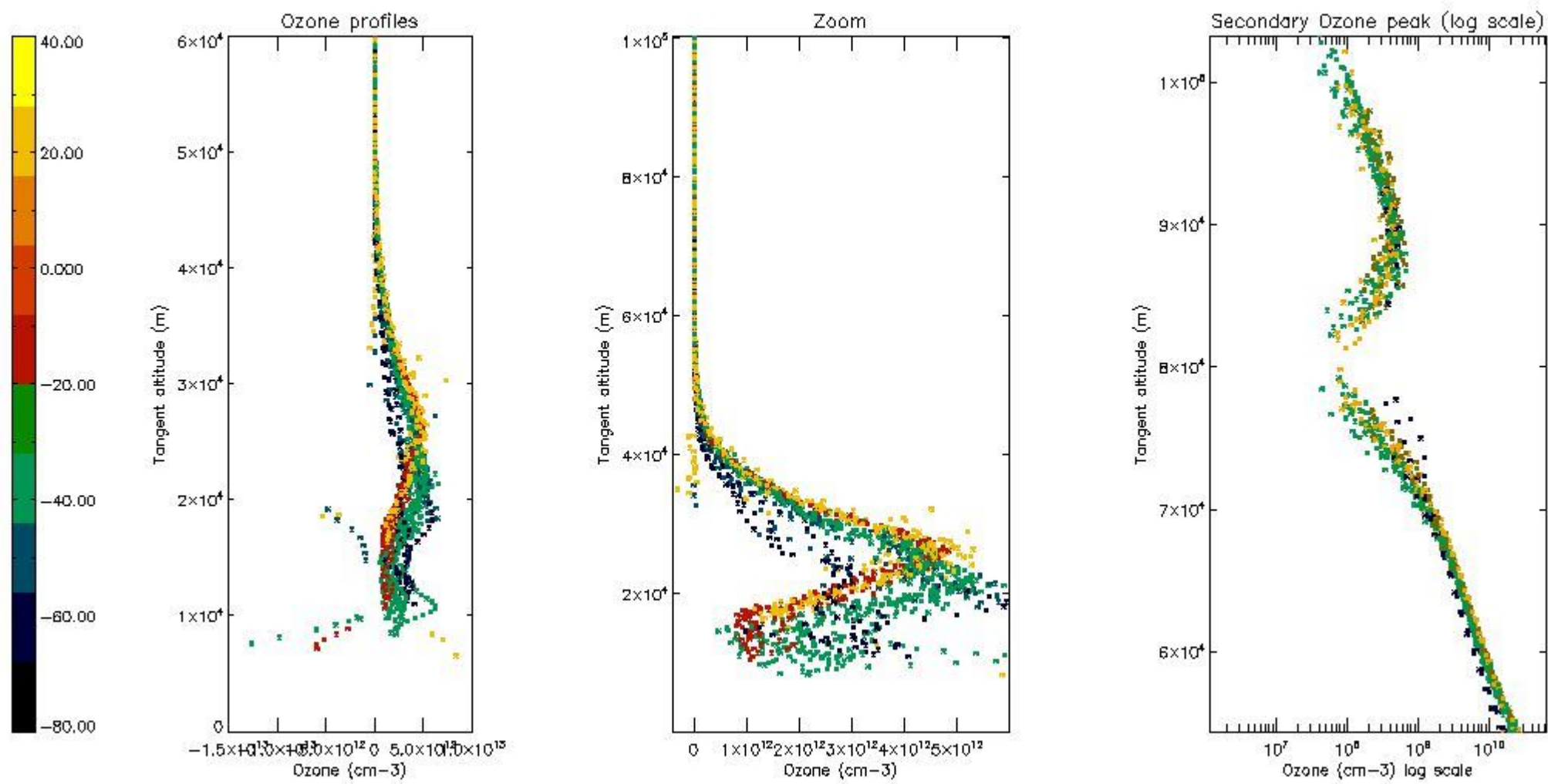
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



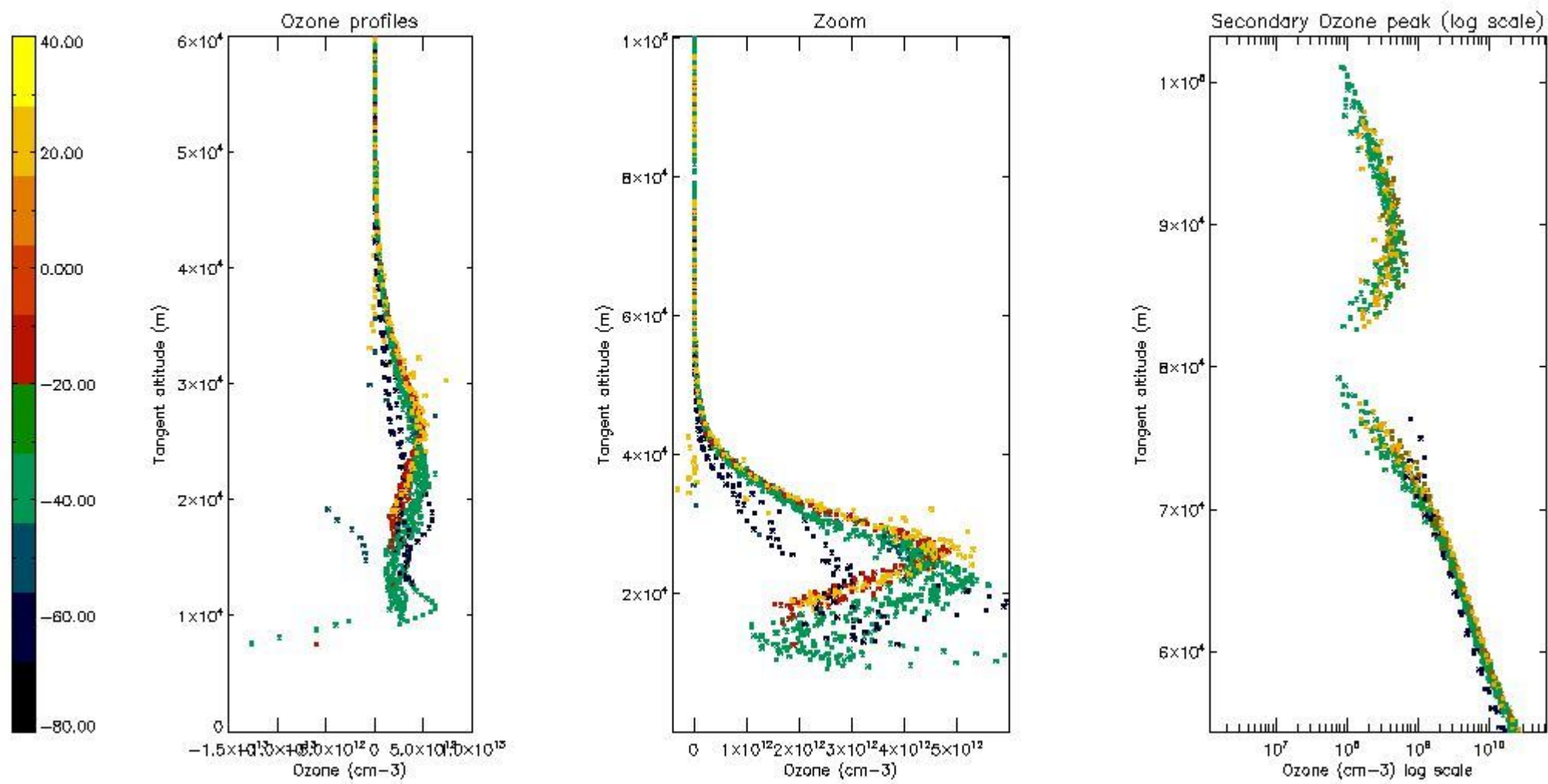
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



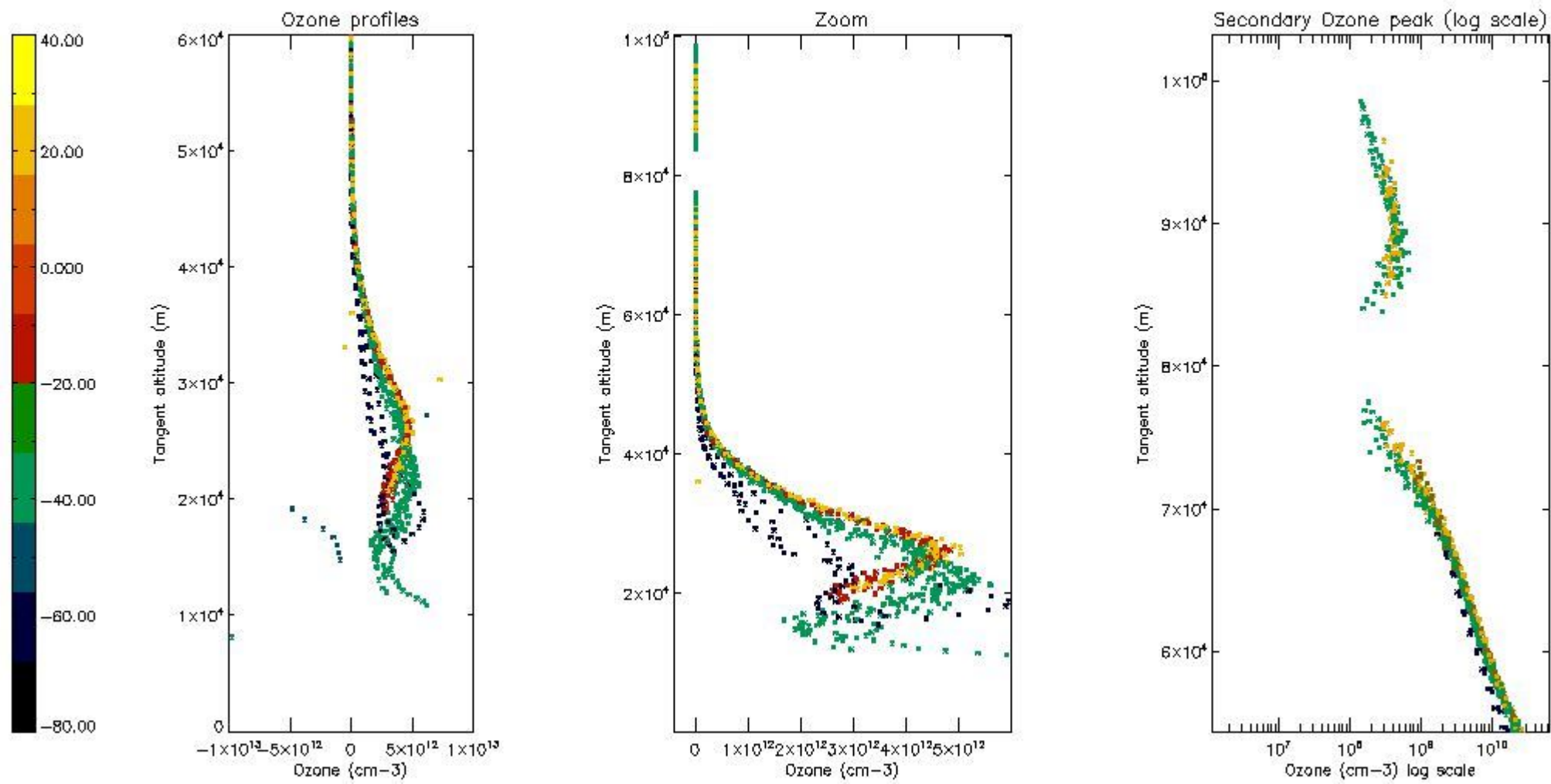
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



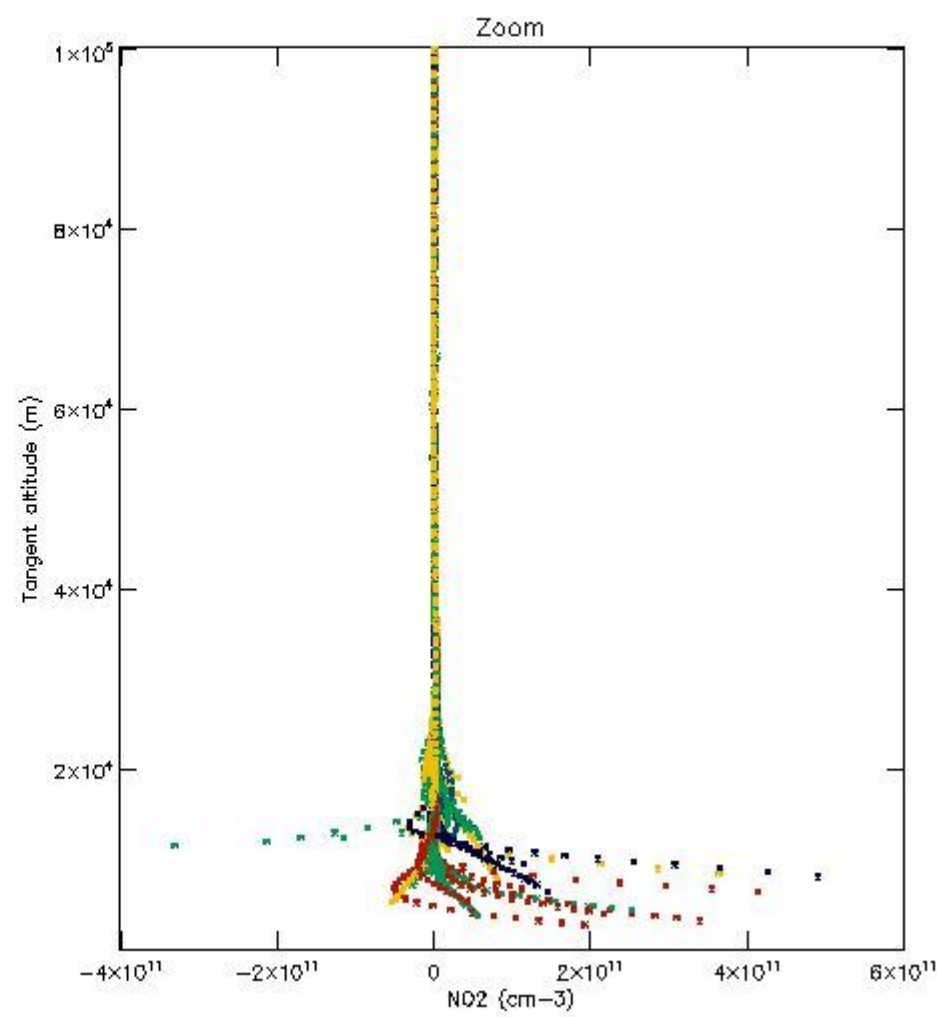
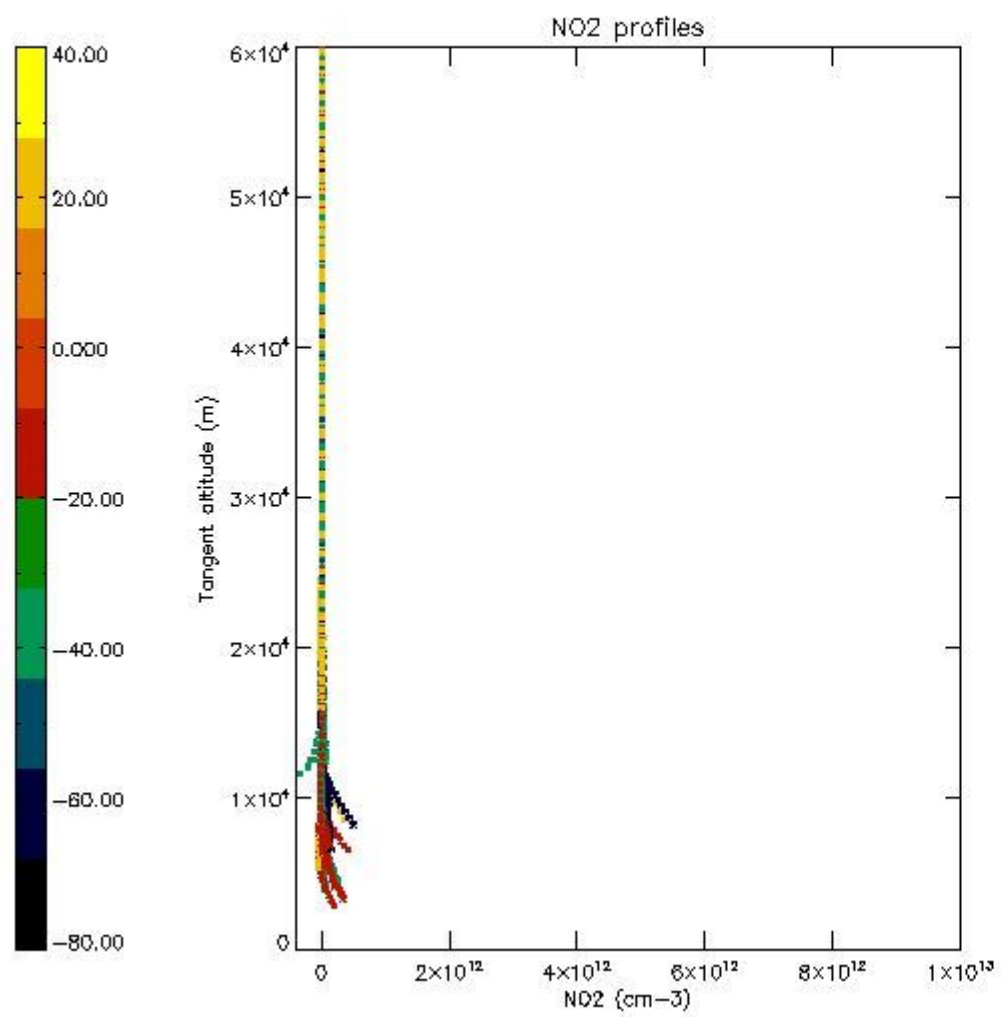
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



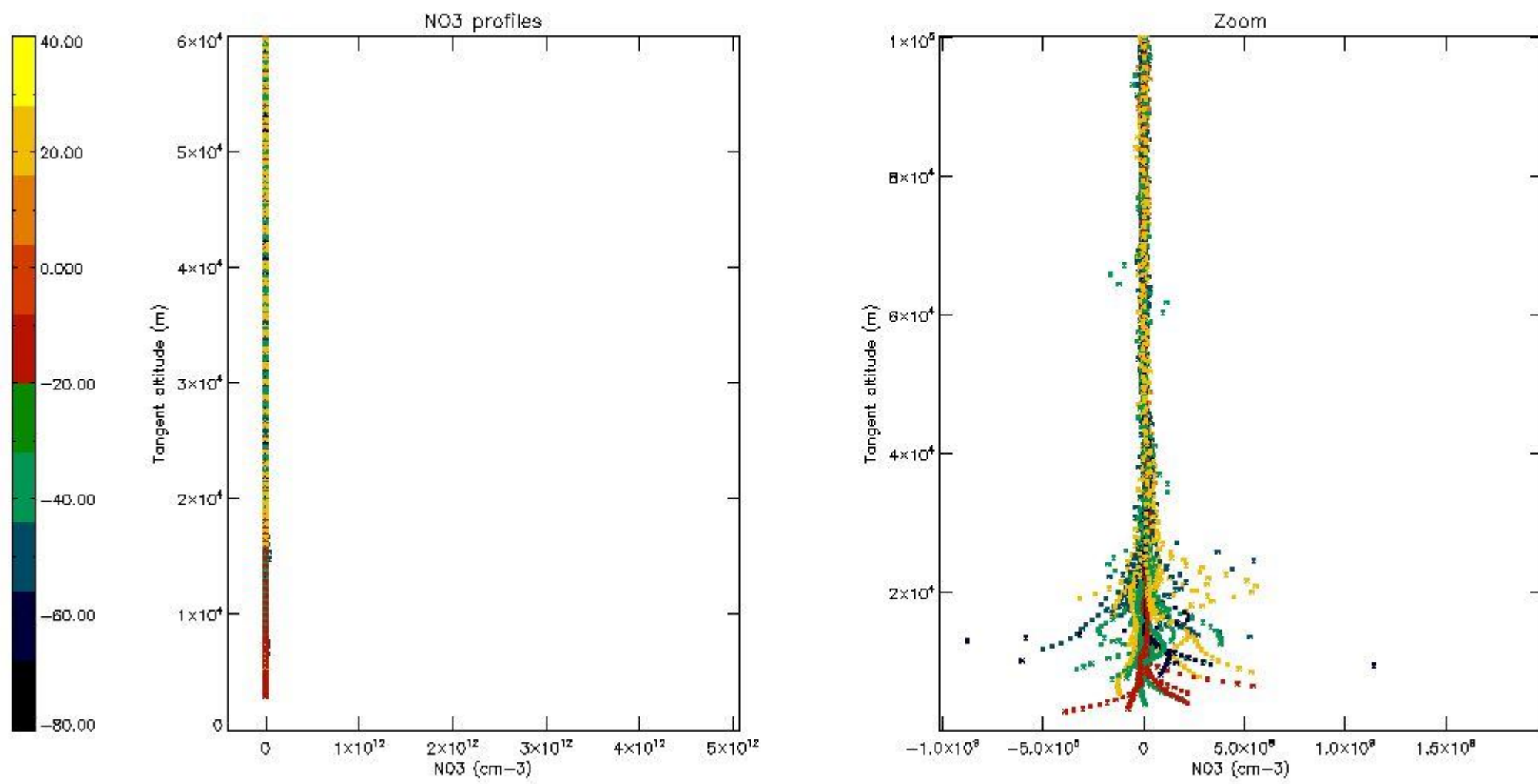
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



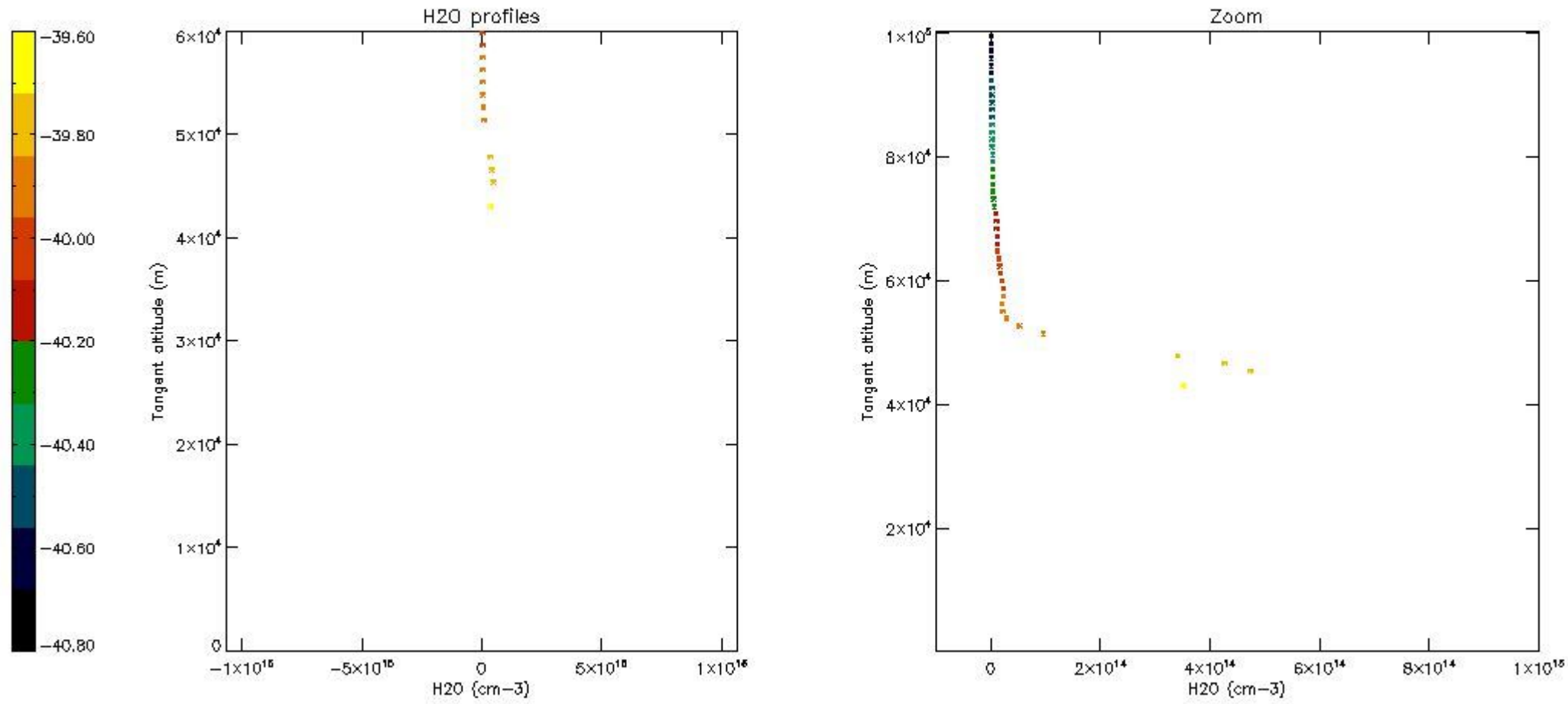
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

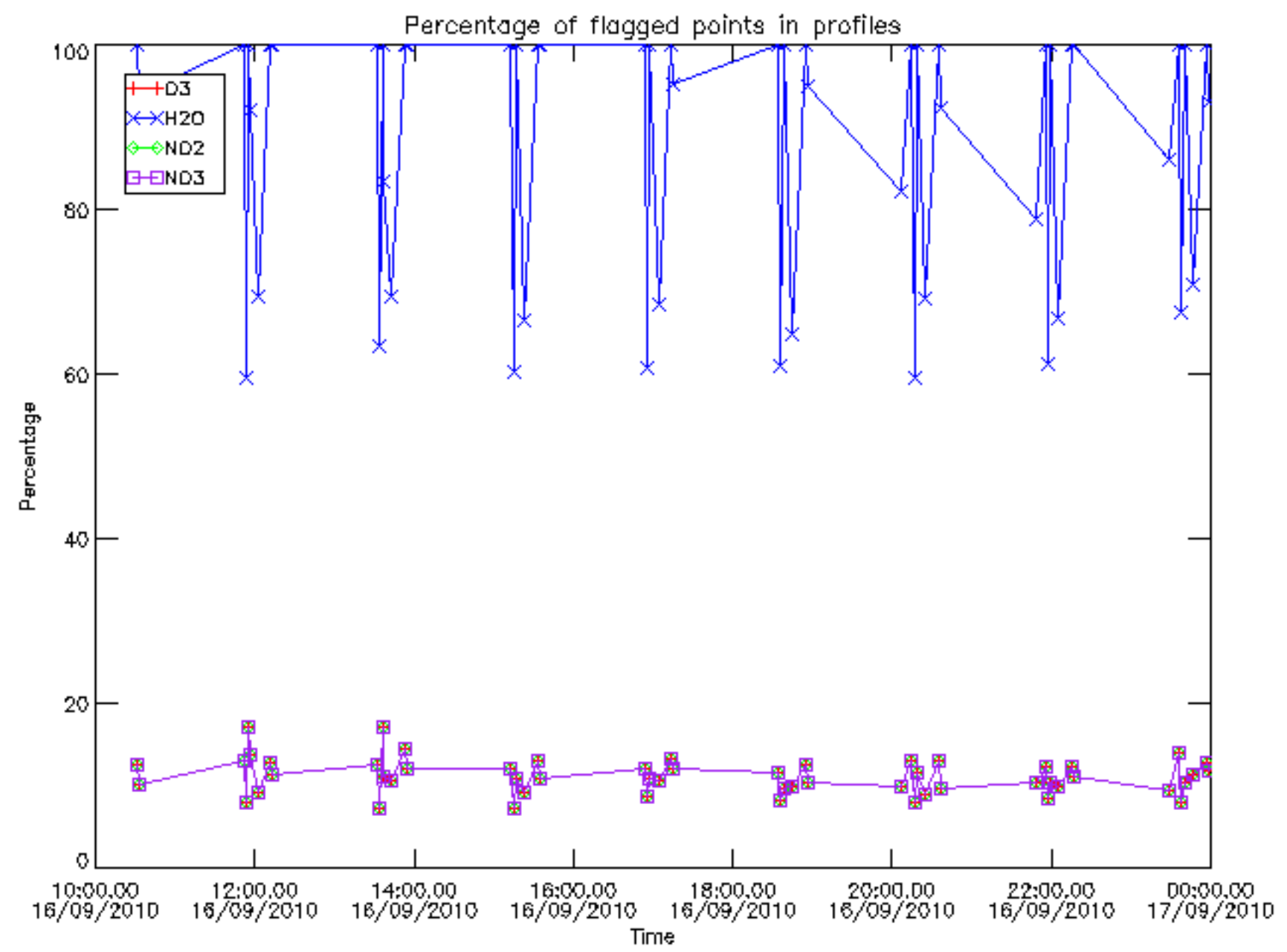
The colorbar represents the latitude.



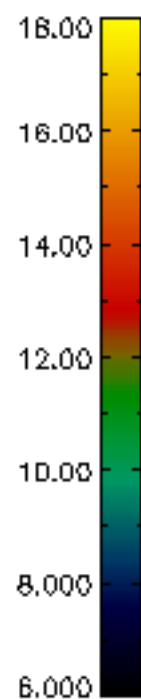
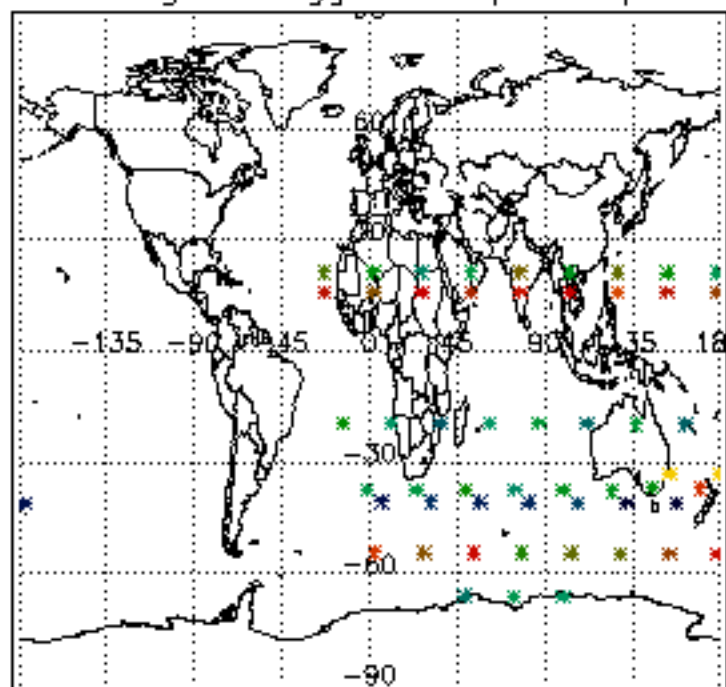
6. Auxiliary Data Files used for the production reported in section 2

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.

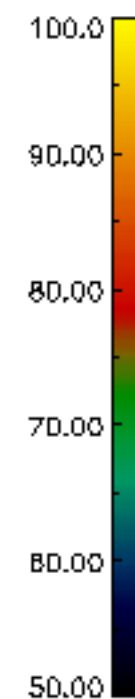
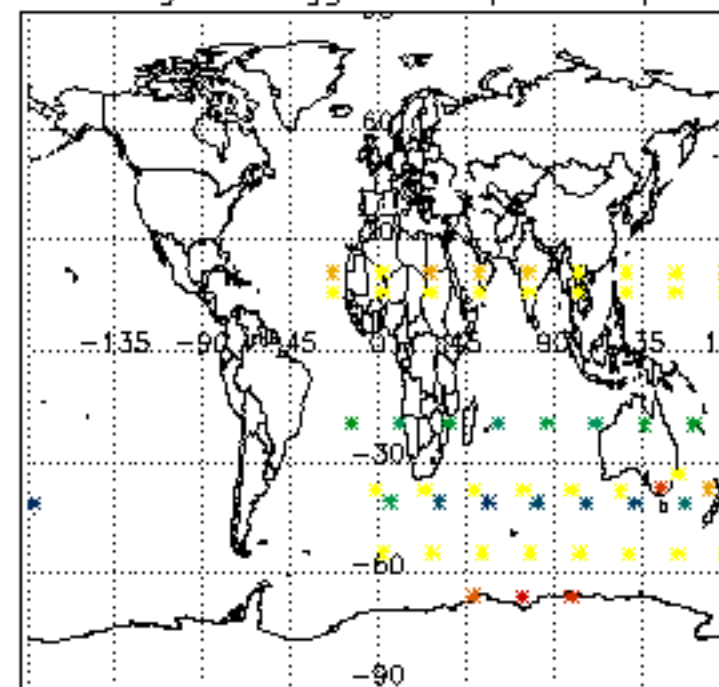
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	16-SEP-2010 10:31:34
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	16-SEP-2010 10:31:34
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	16-SEP-2010 10:31:34



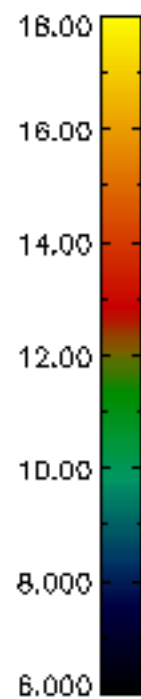
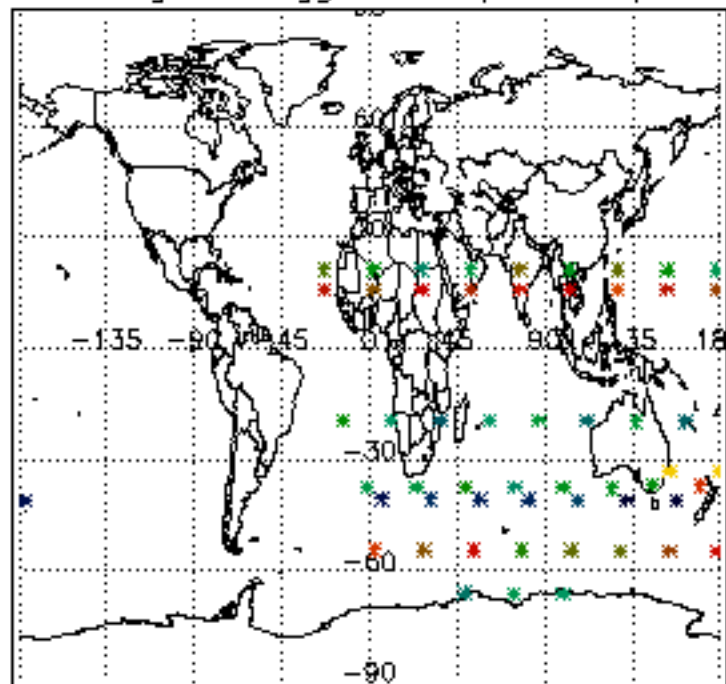
Percentage of flagged data per D3 profile



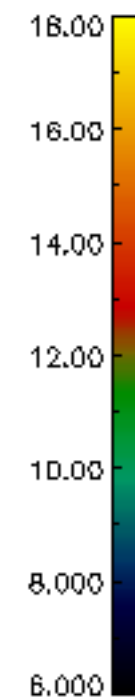
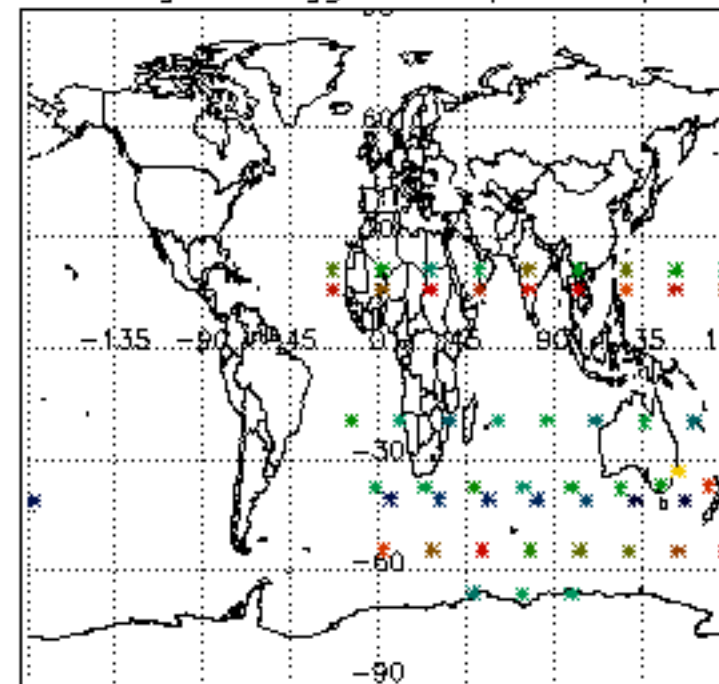
Percentage of flagged data per H2O profile

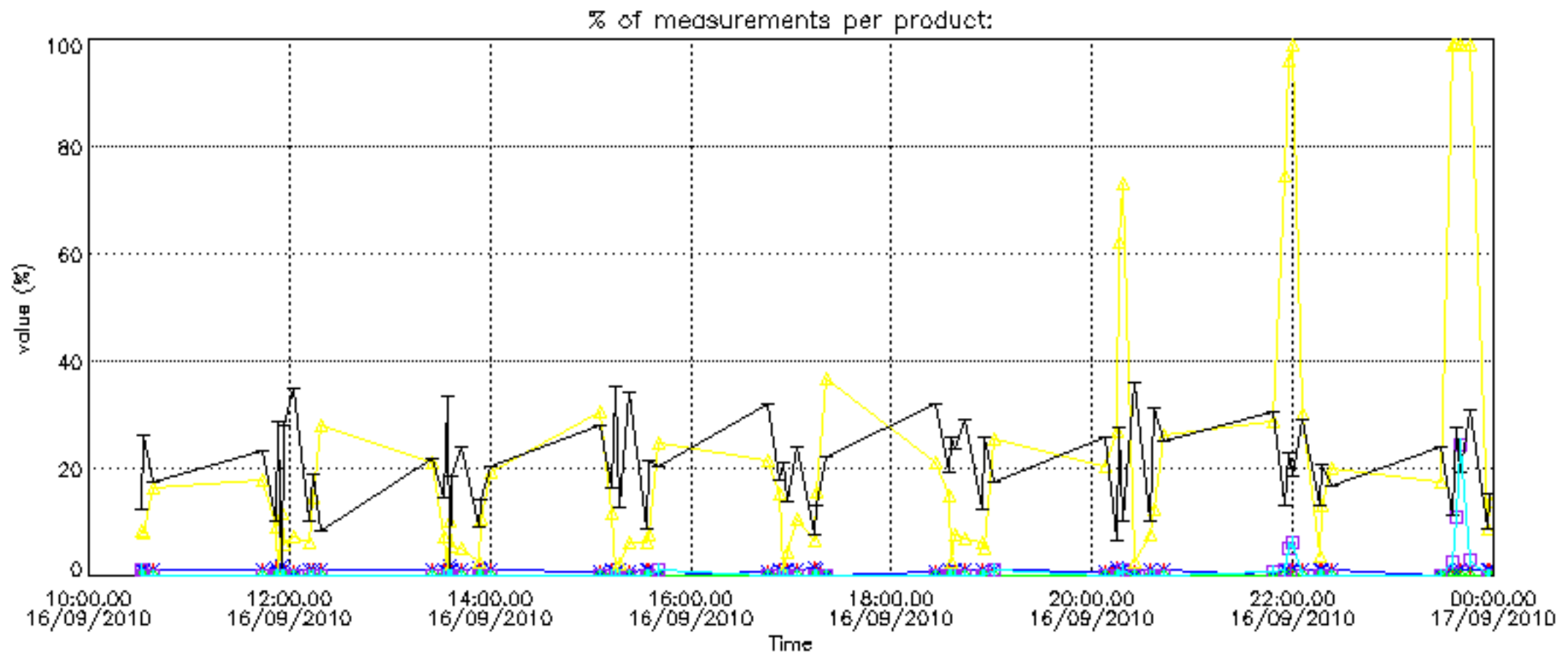


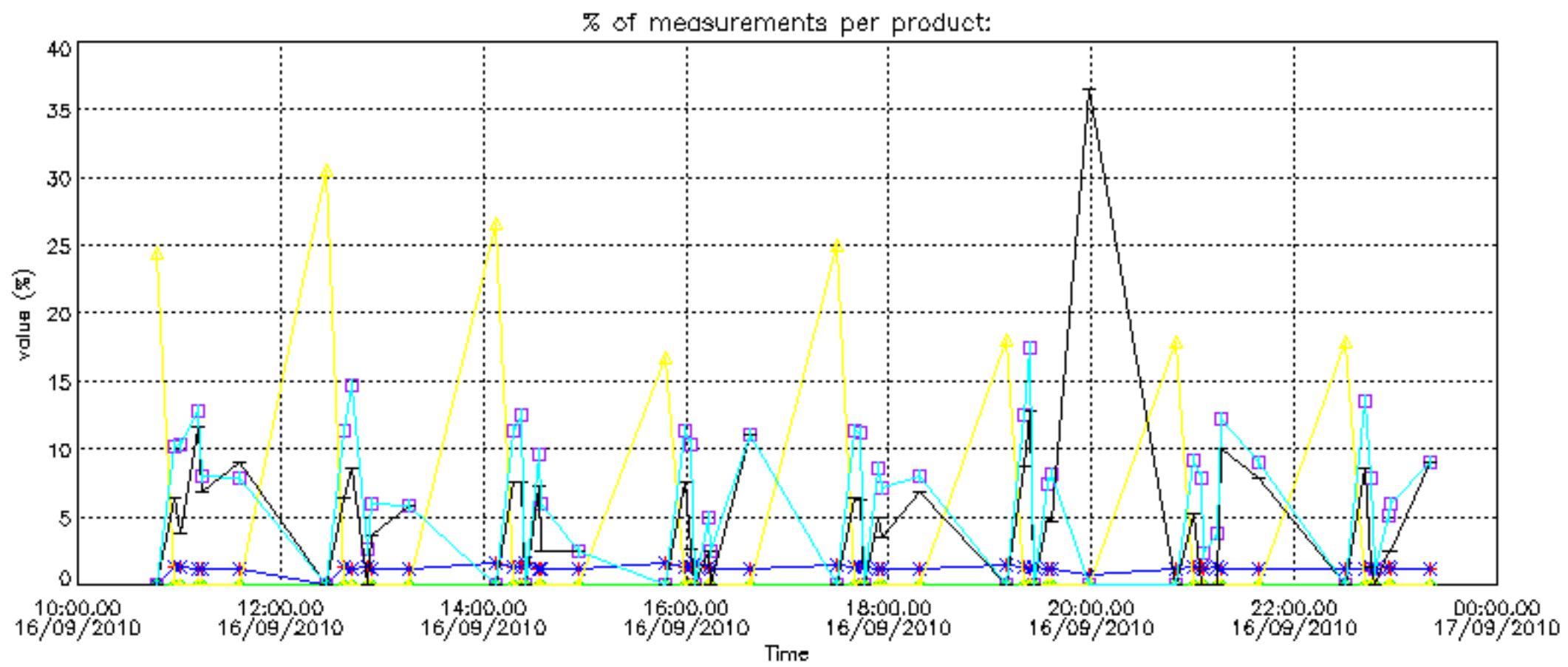
Percentage of flagged data per NO2 profile



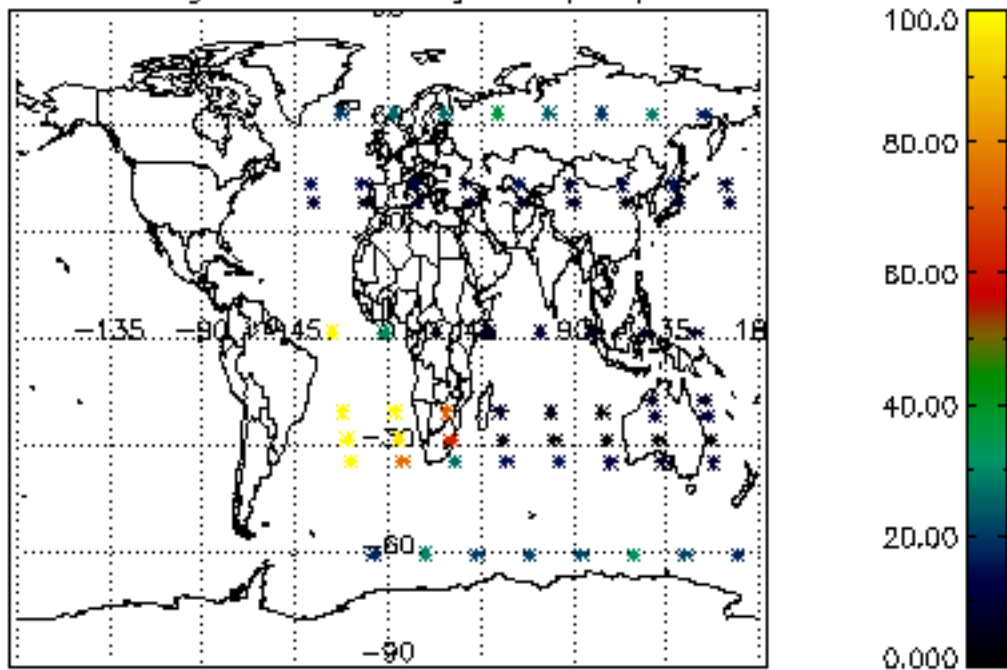
Percentage of flagged data per NO3 profile



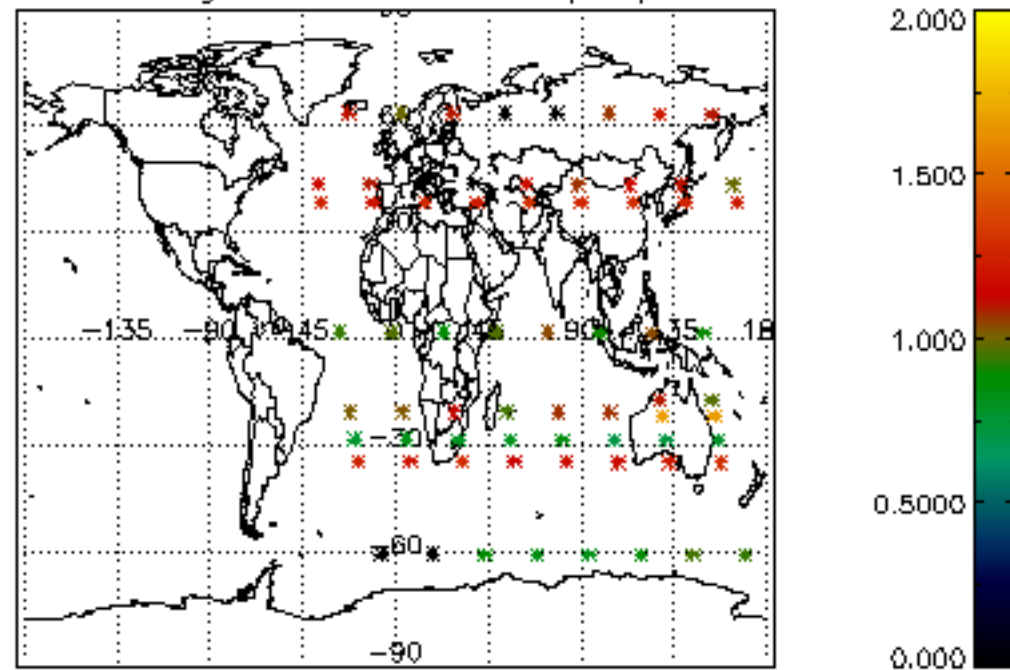




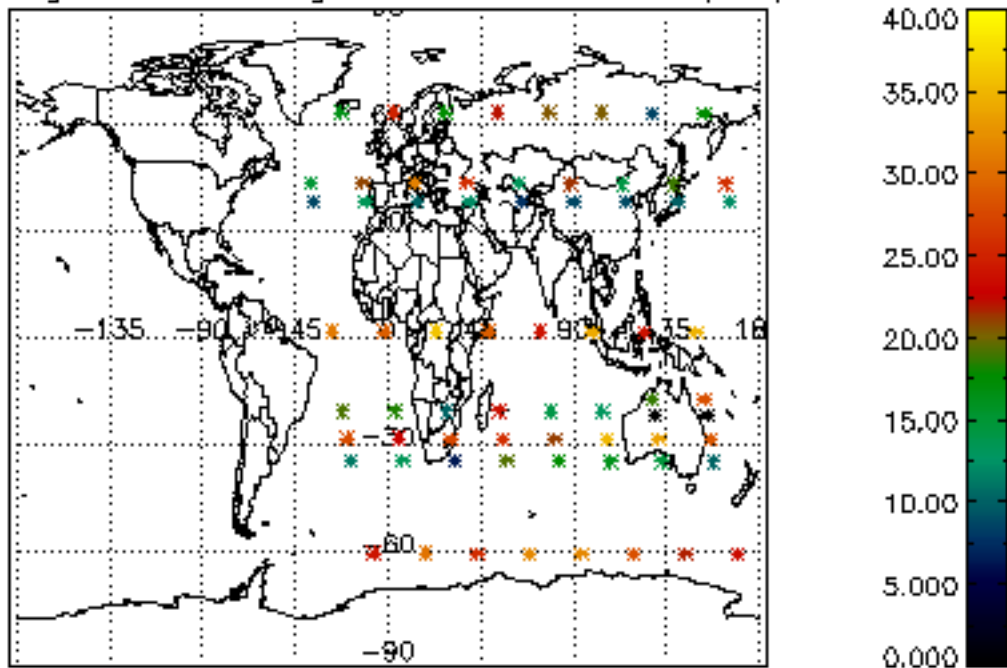
Percentage of cosmic ray hits per profile



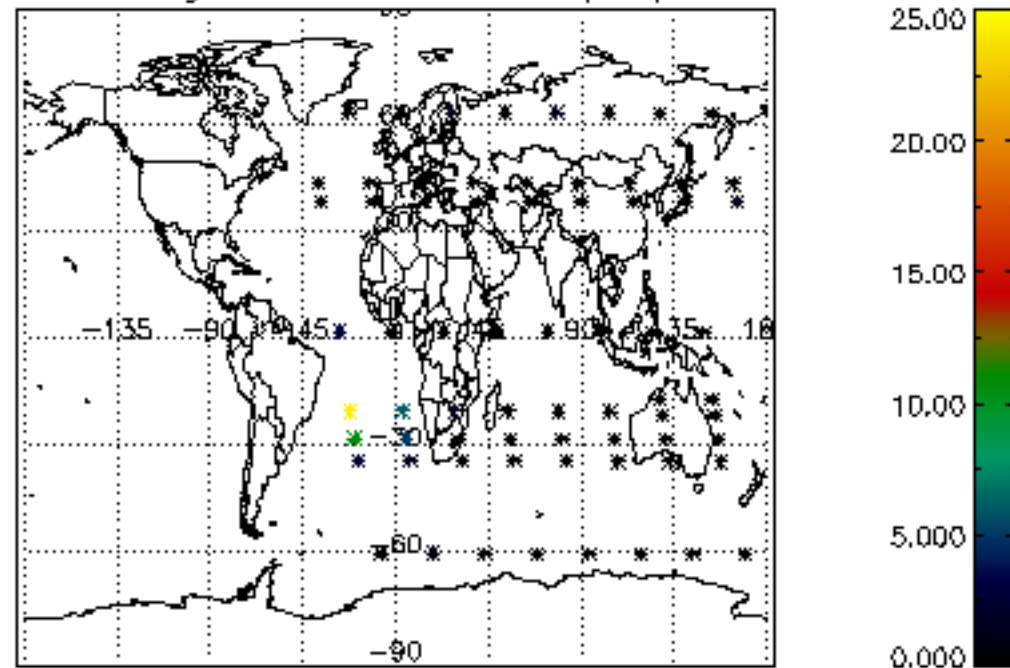
Percentage of datation errors per profile



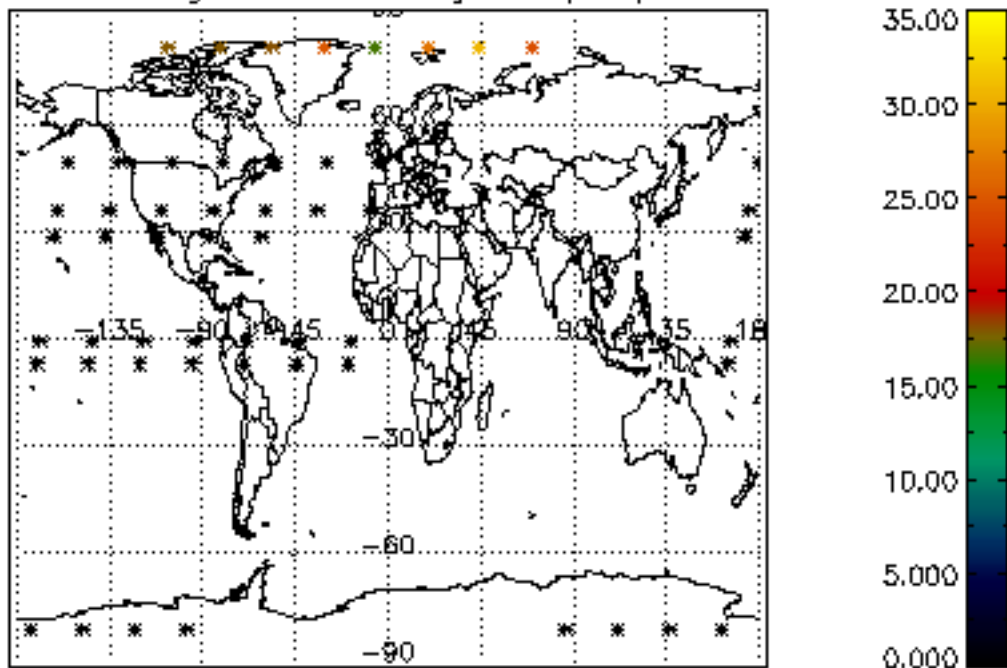
Percentage of star falling outside central band per profile



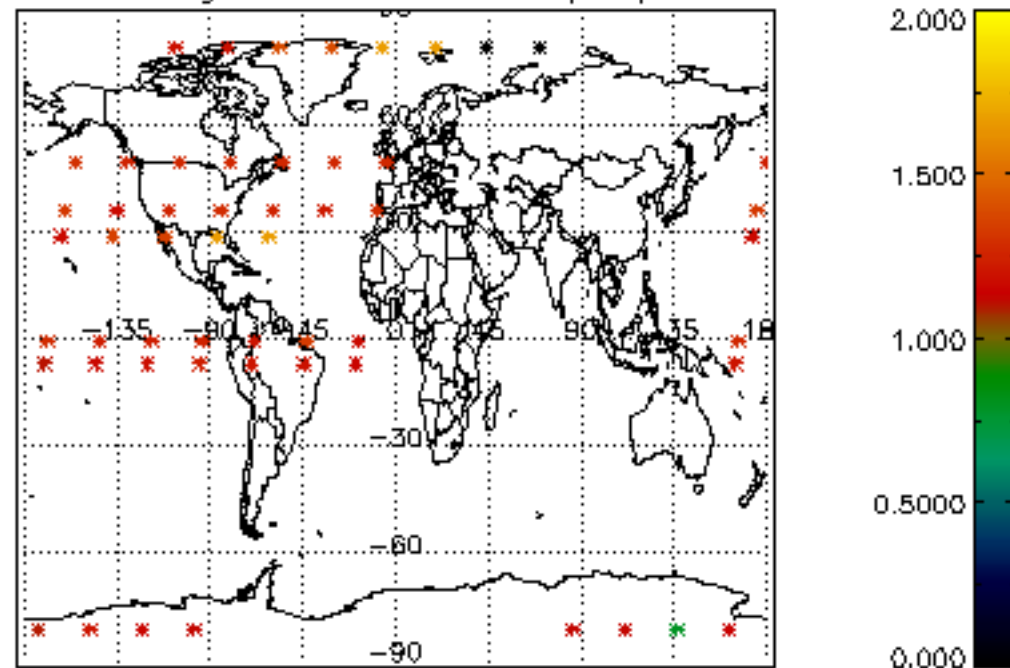
Percentage of saturation errors per profile



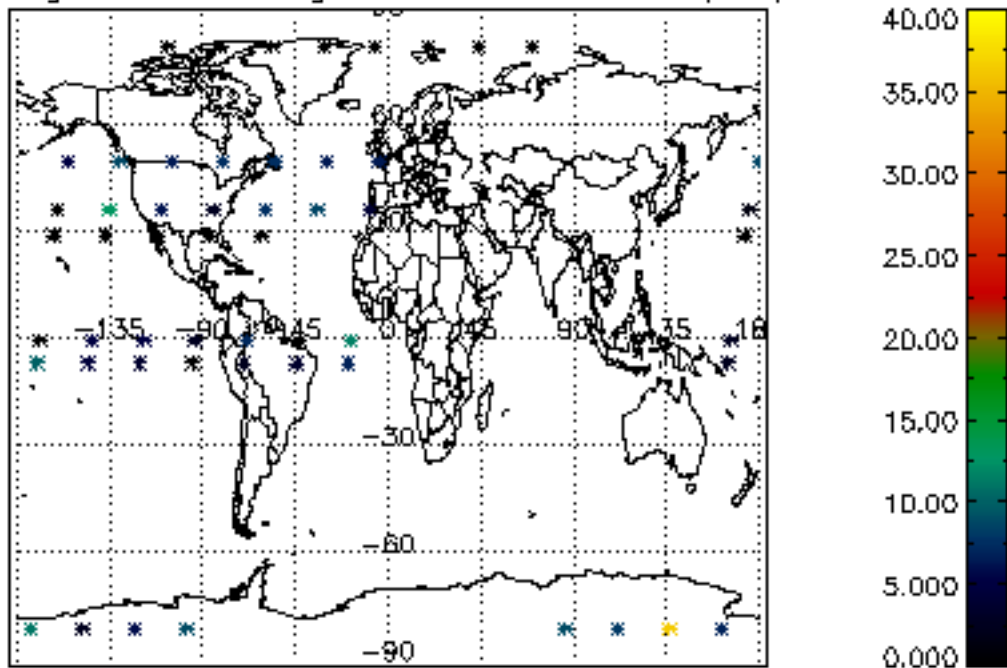
Percentage of cosmic ray hits per profile



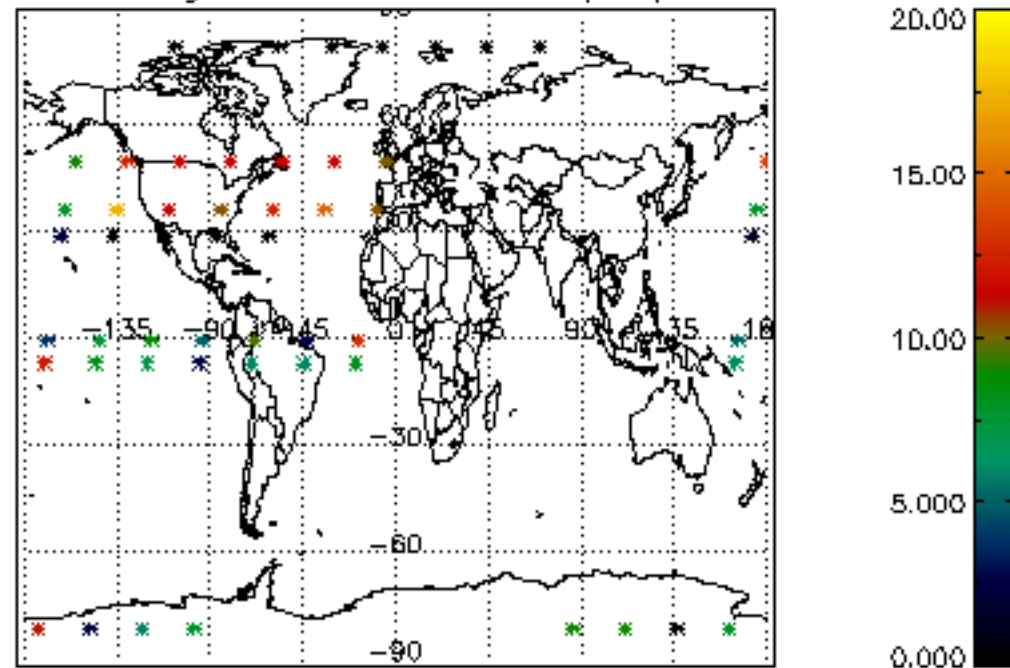
Percentage of datation errors per profile

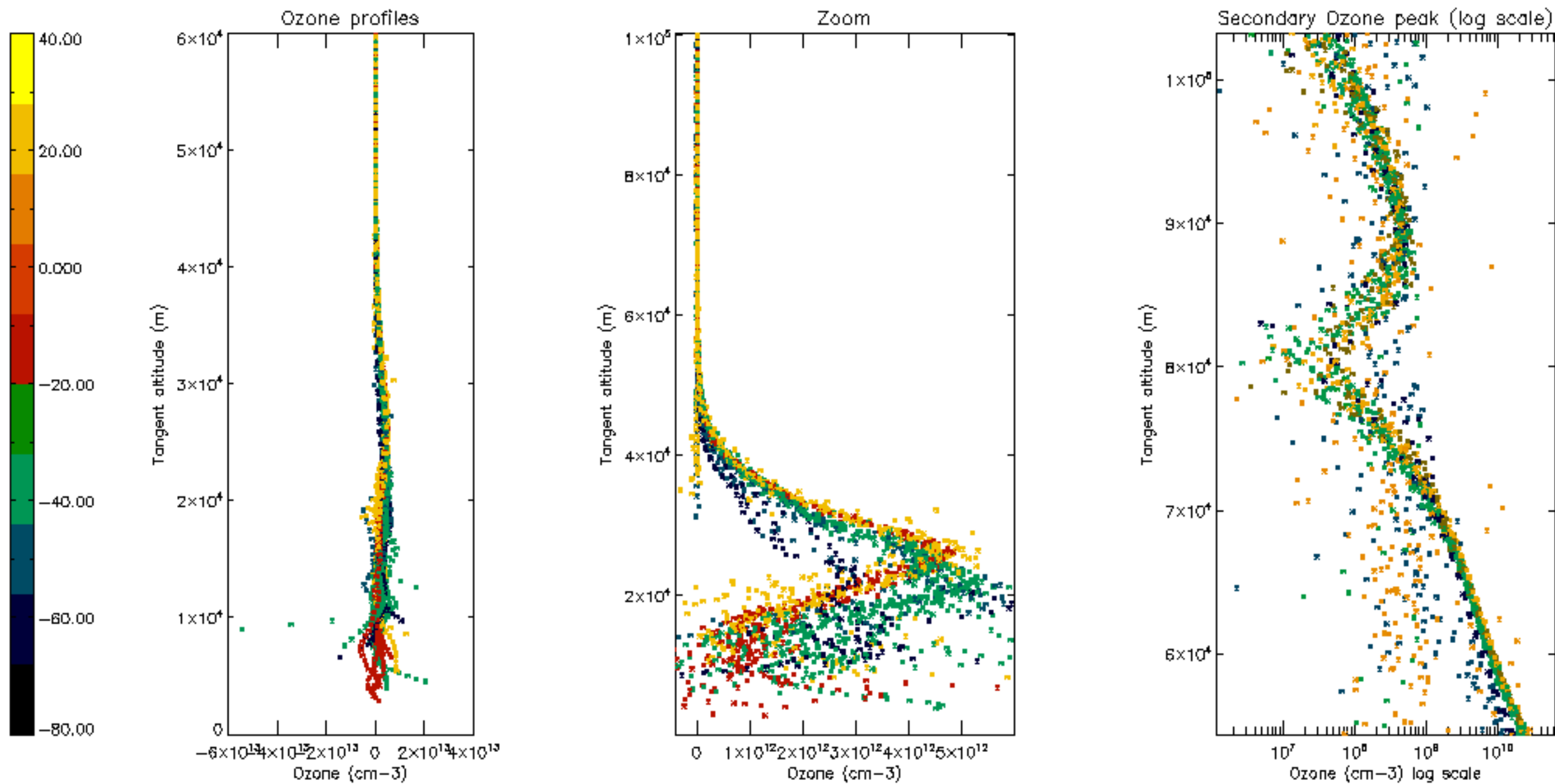


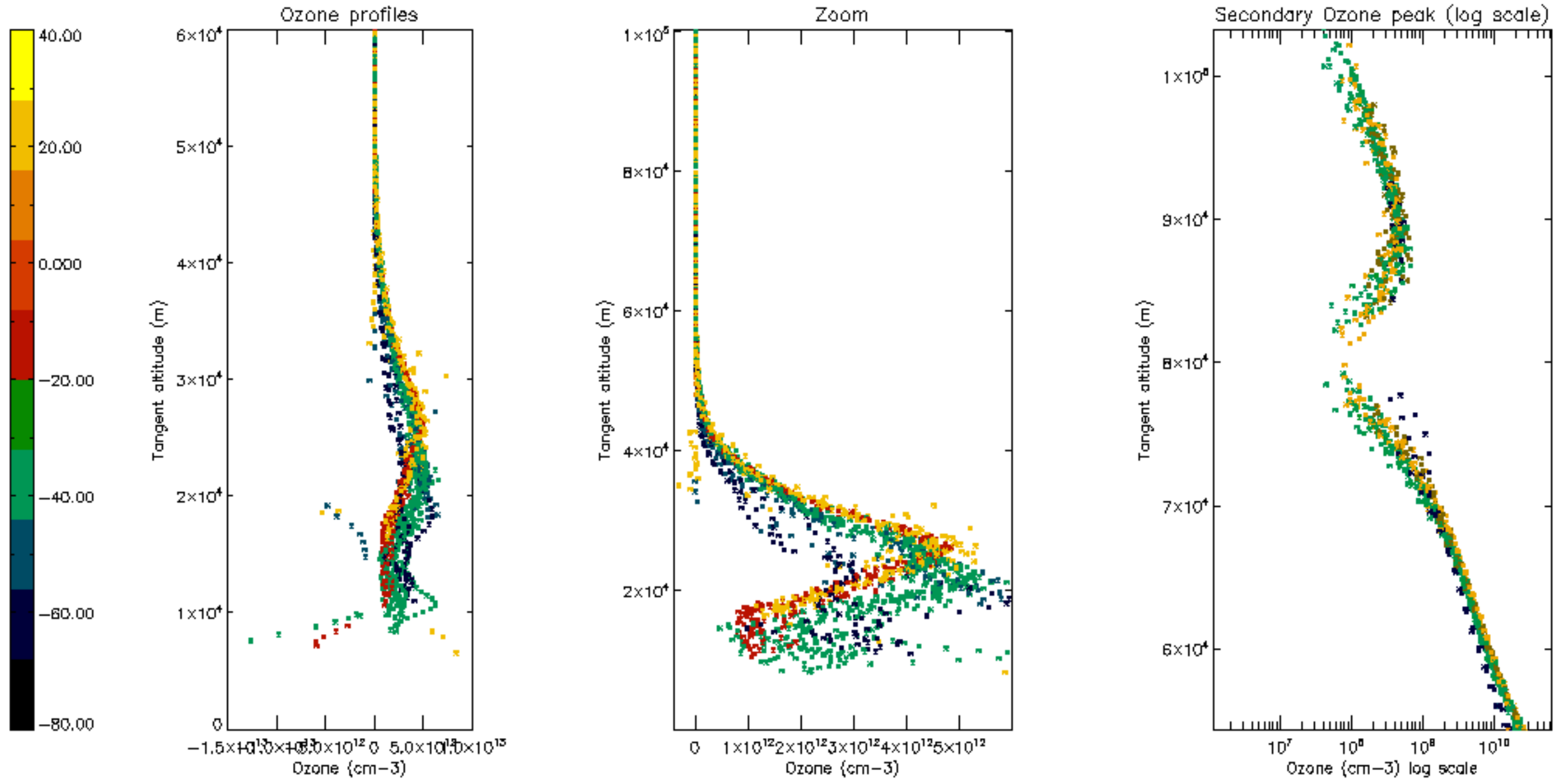
Percentage of star falling outside central band per profile

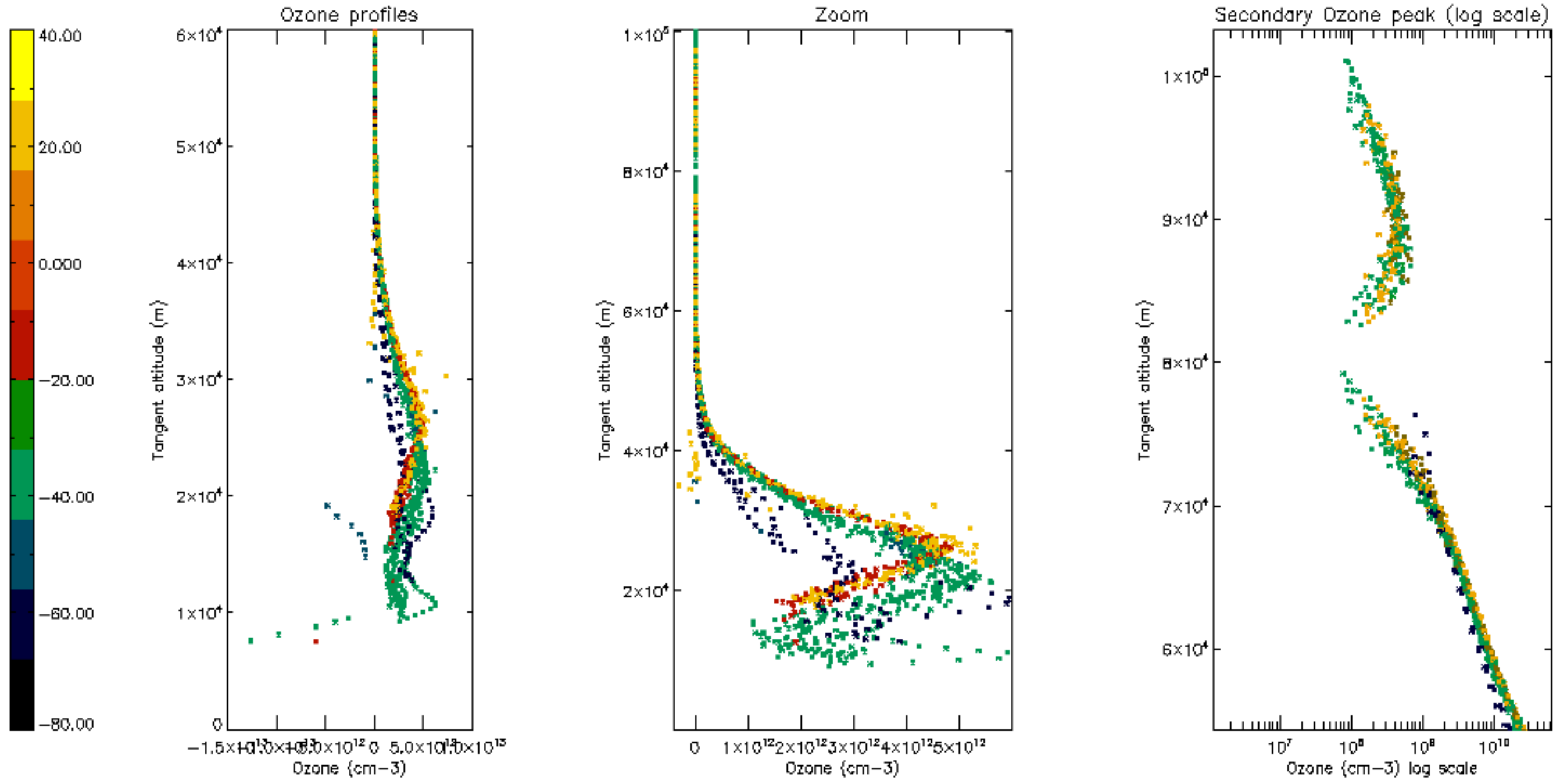


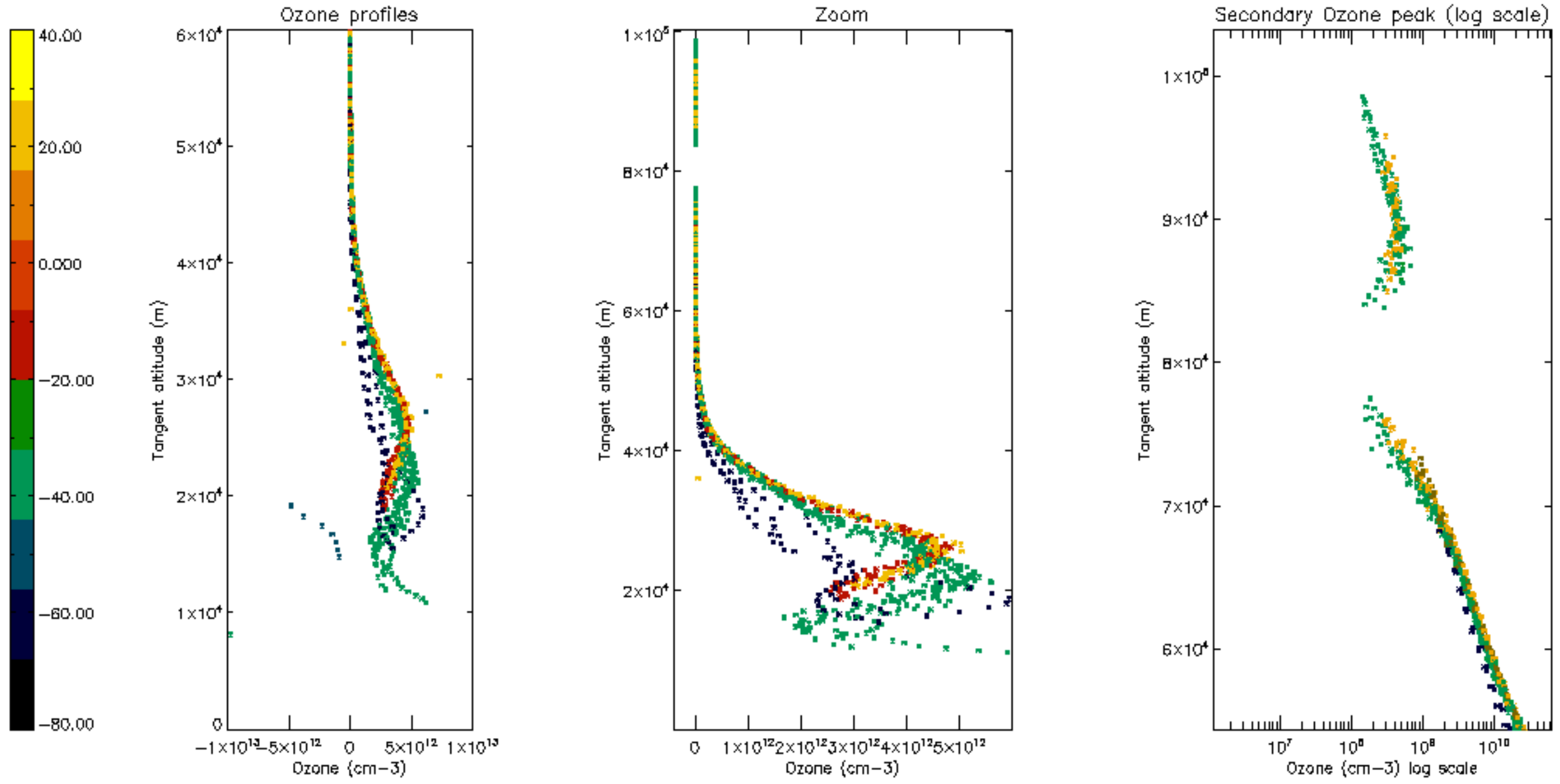
Percentage of saturation errors per profile

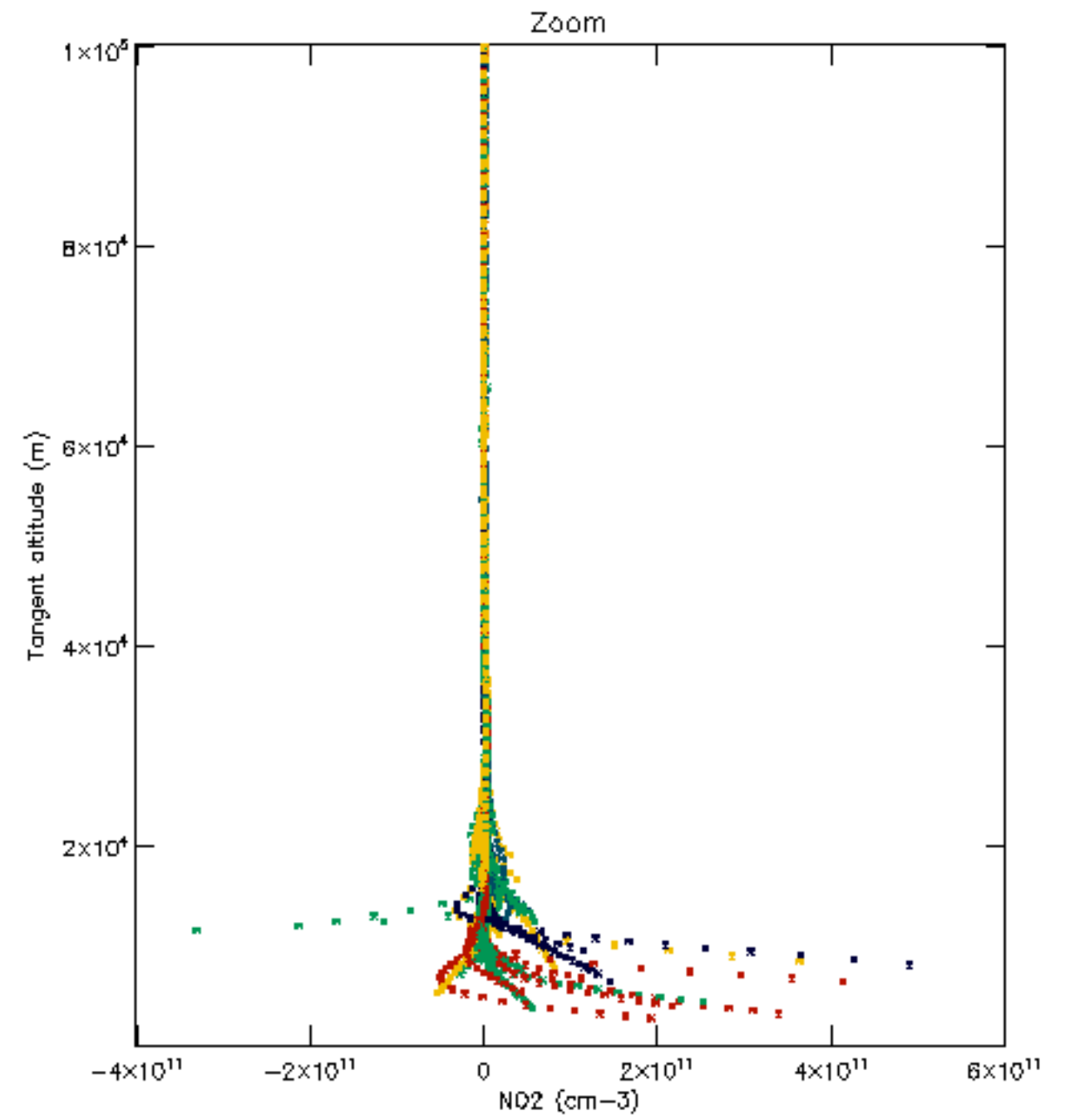
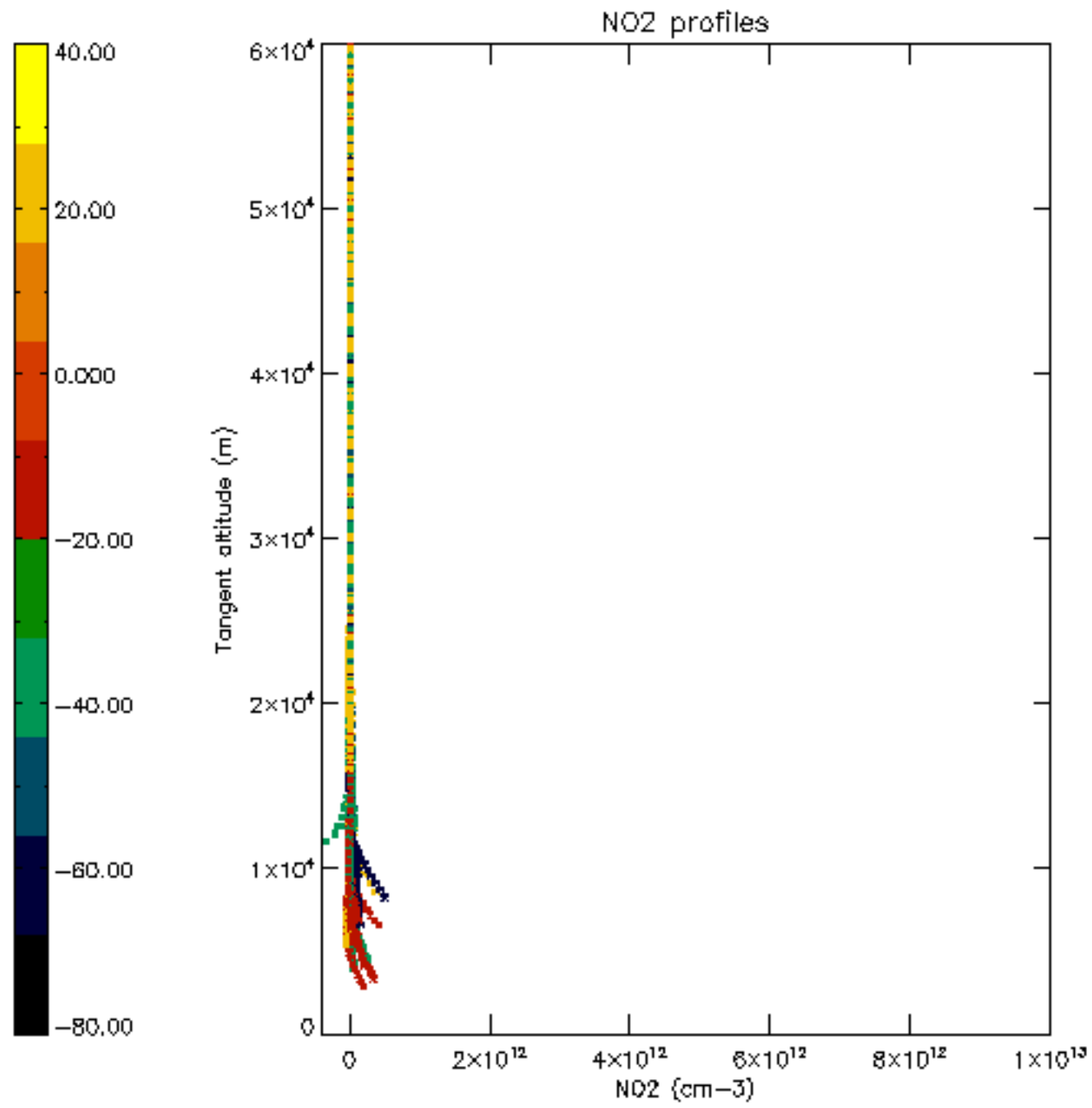


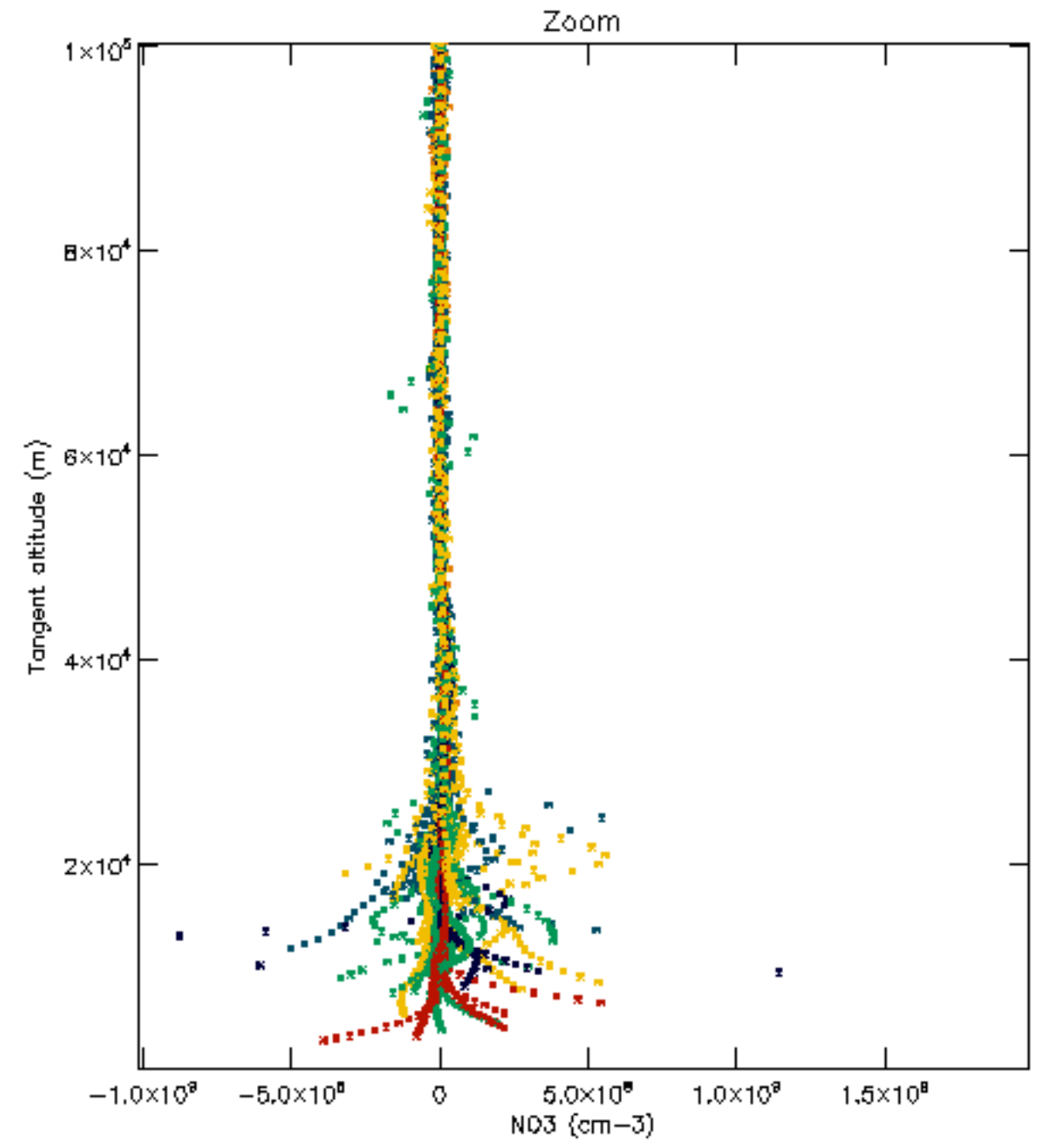
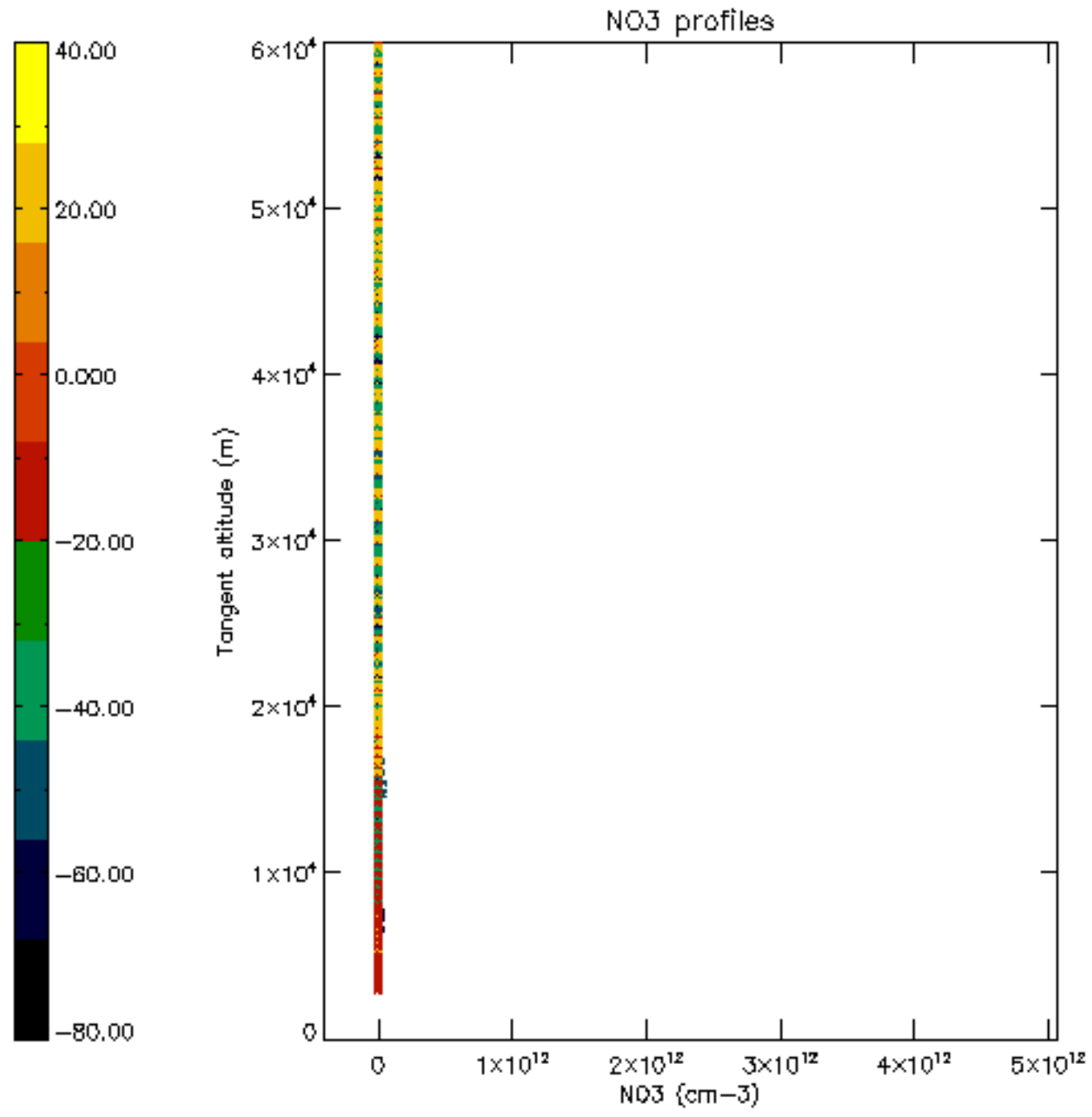


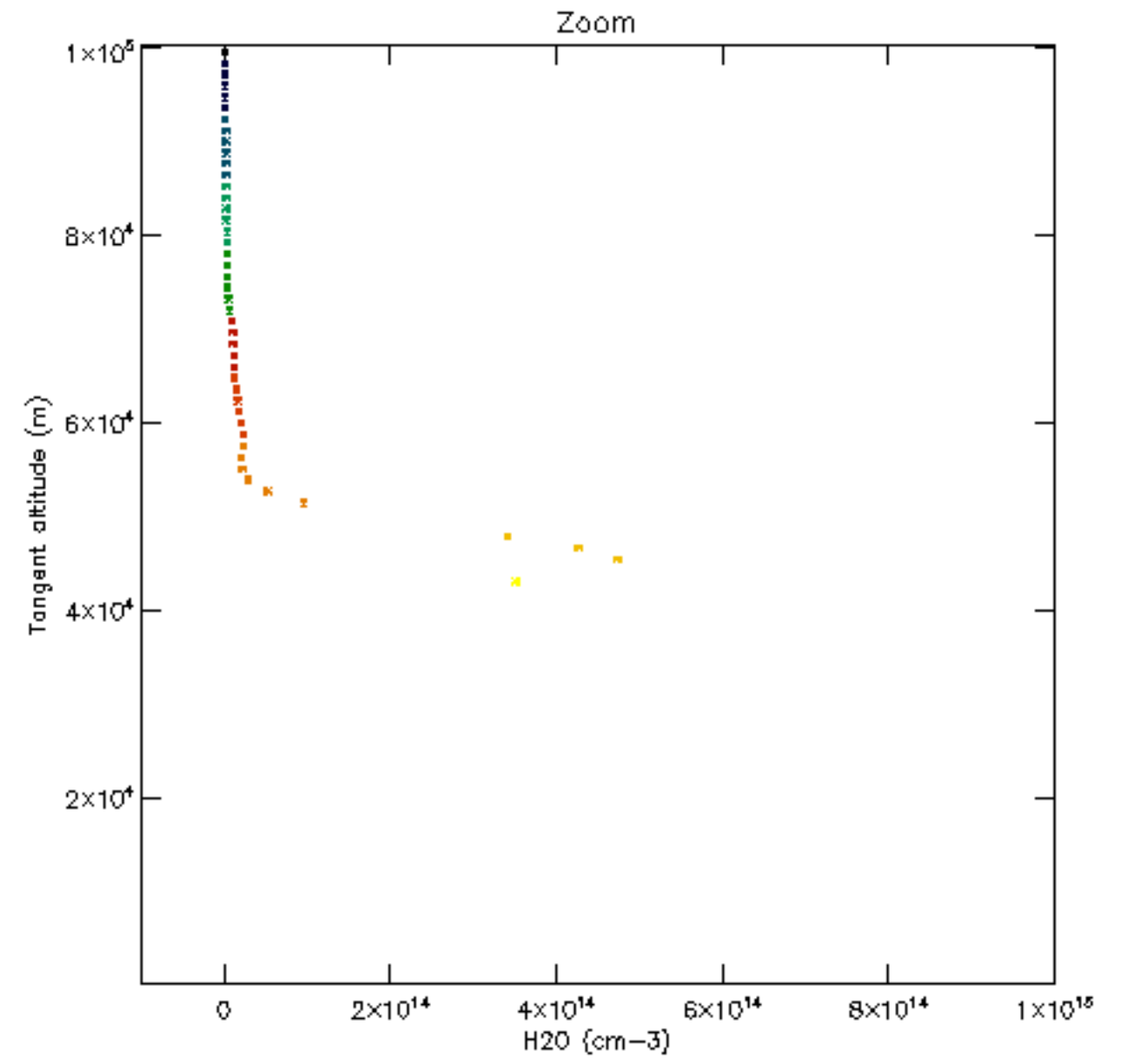
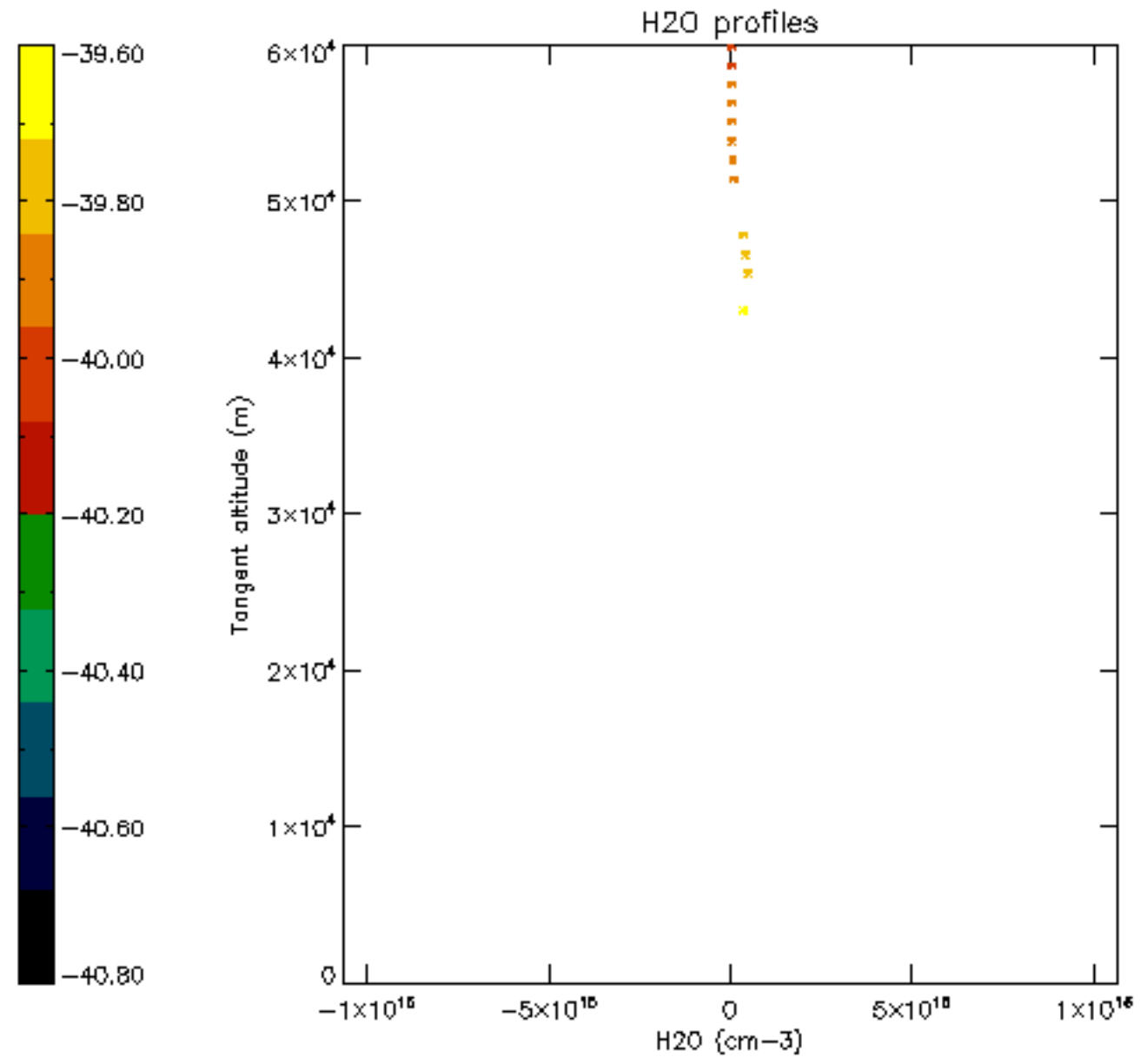


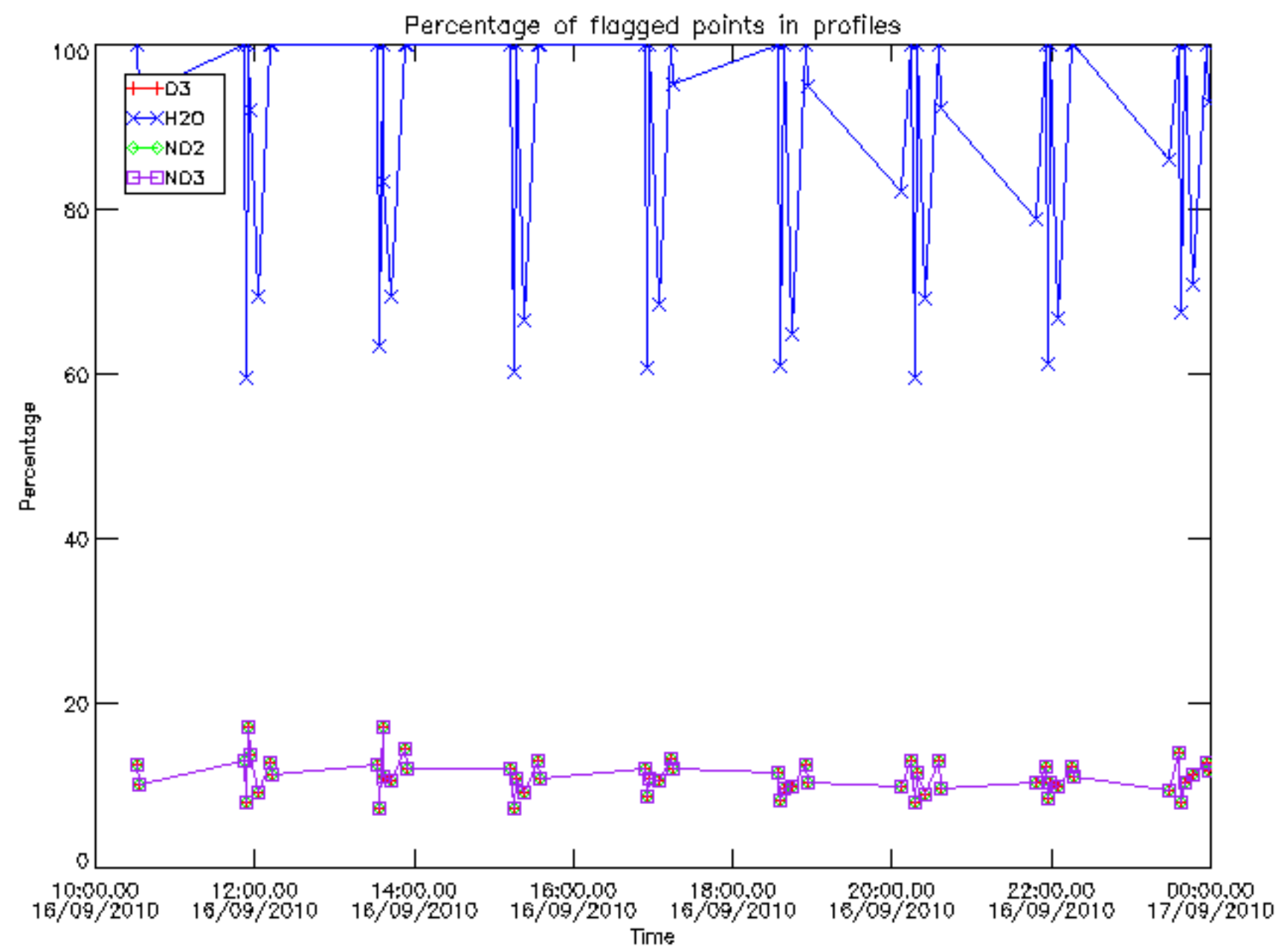




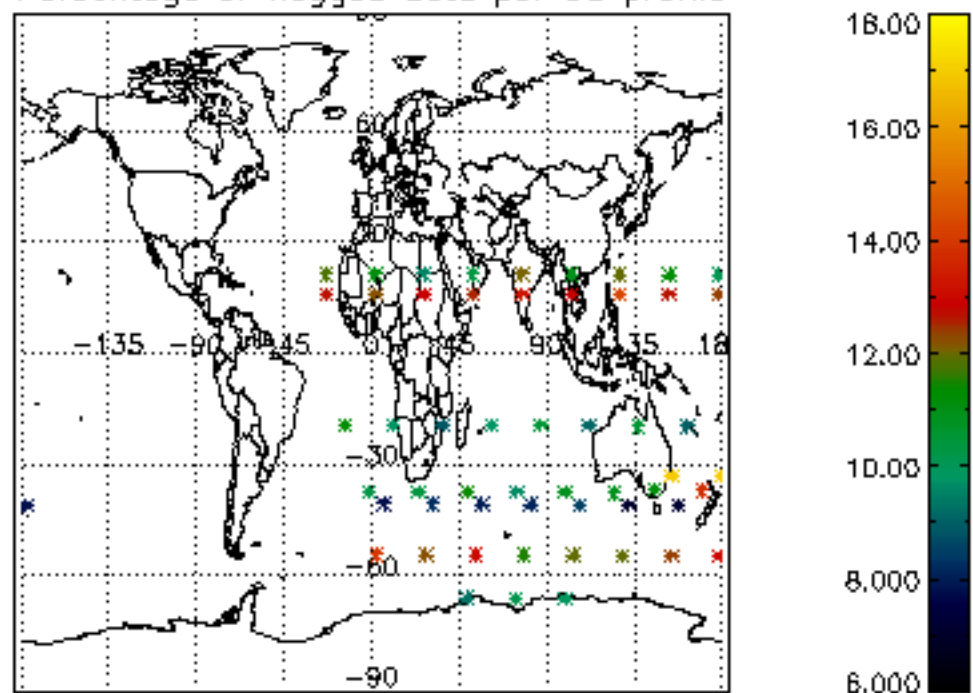




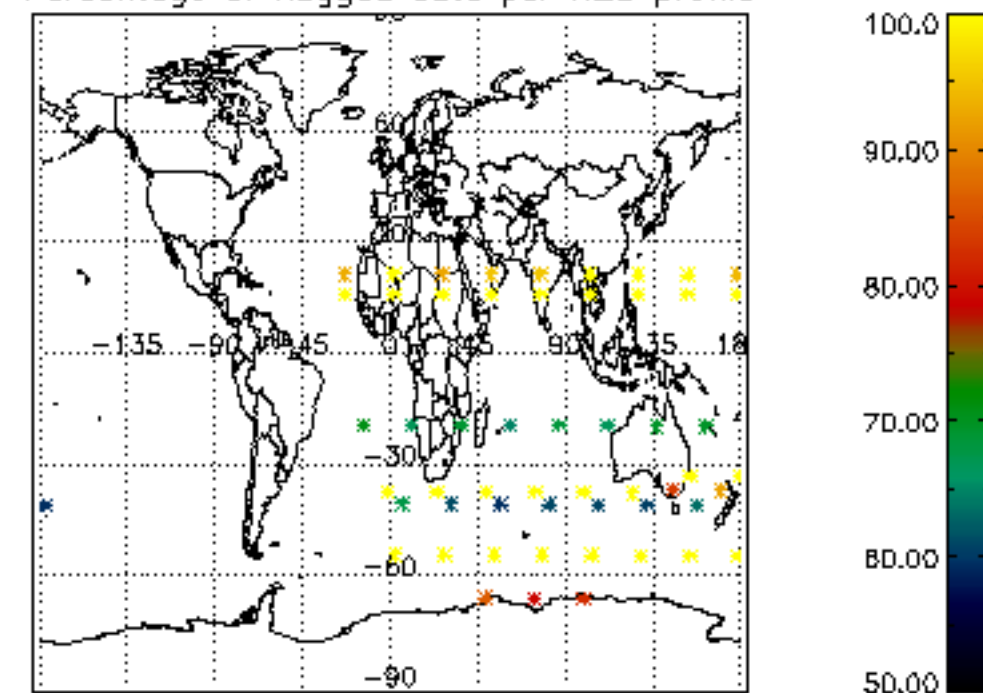




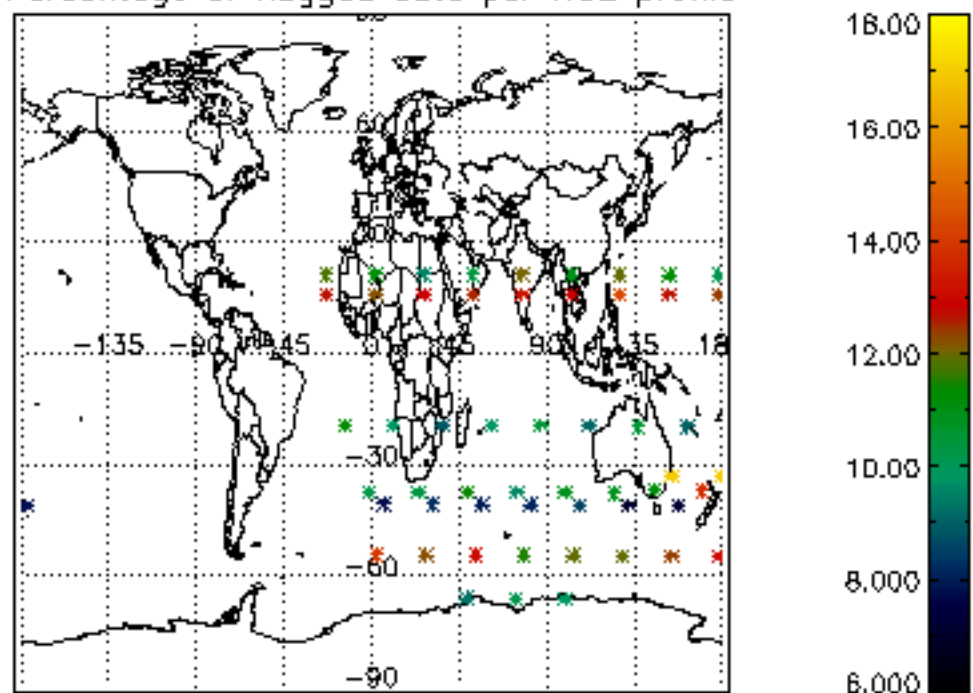
Percentage of flagged data per D3 profile



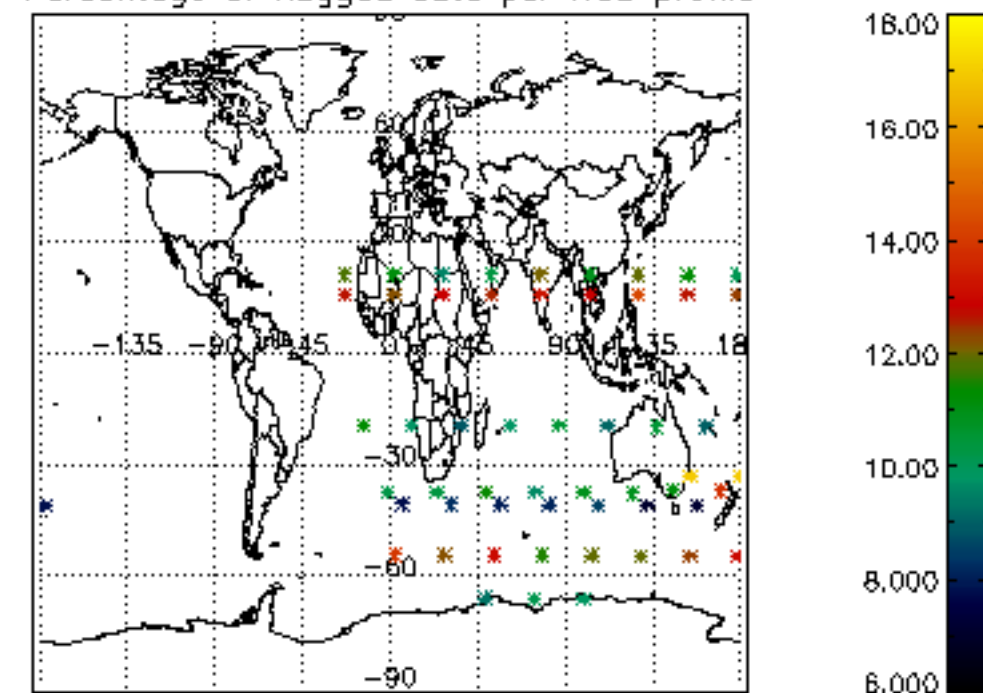
Percentage of flagged data per H2O profile

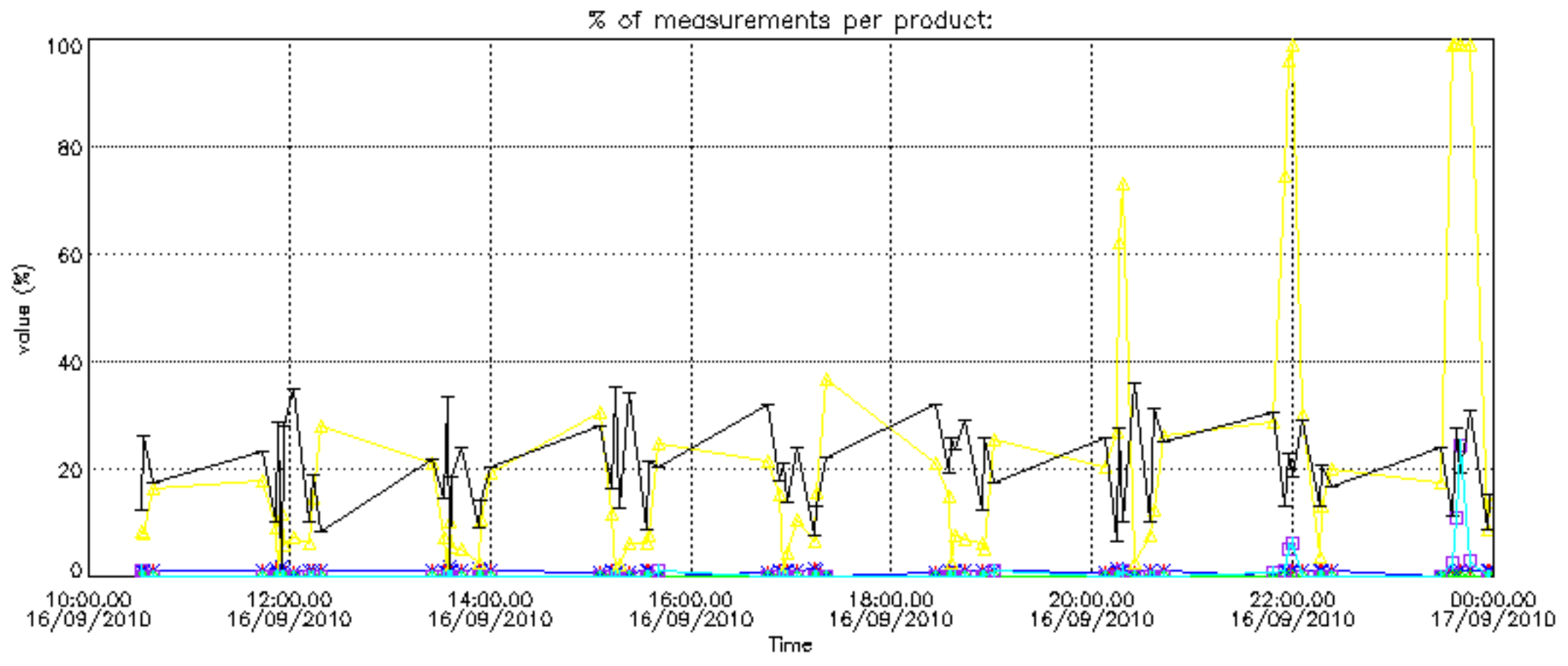


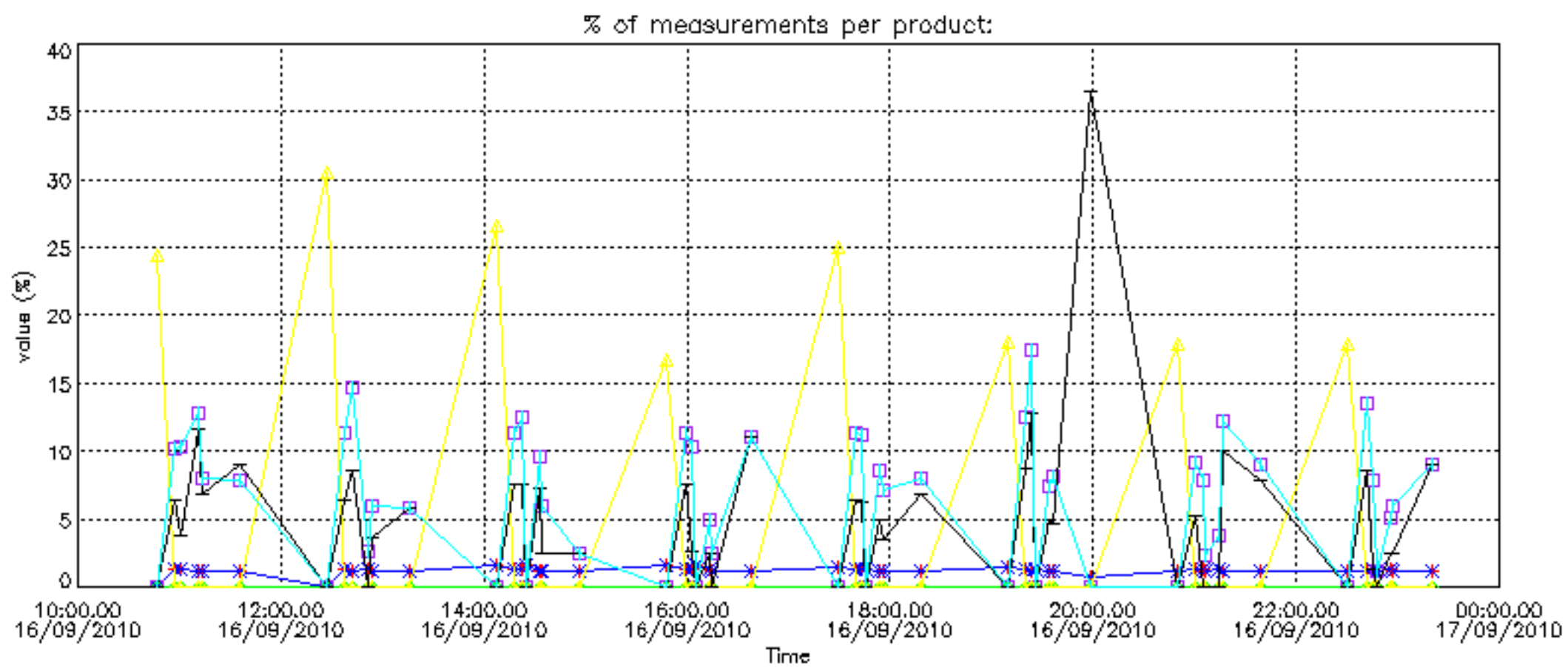
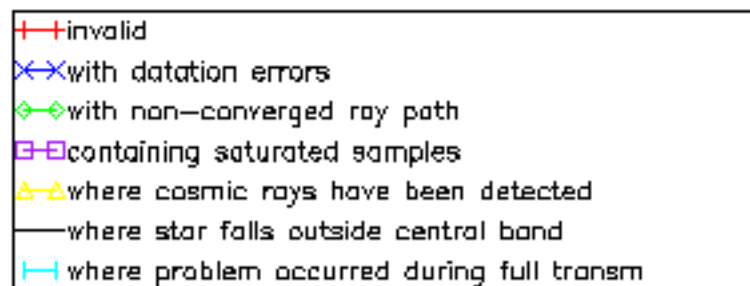
Percentage of flagged data per NO2 profile



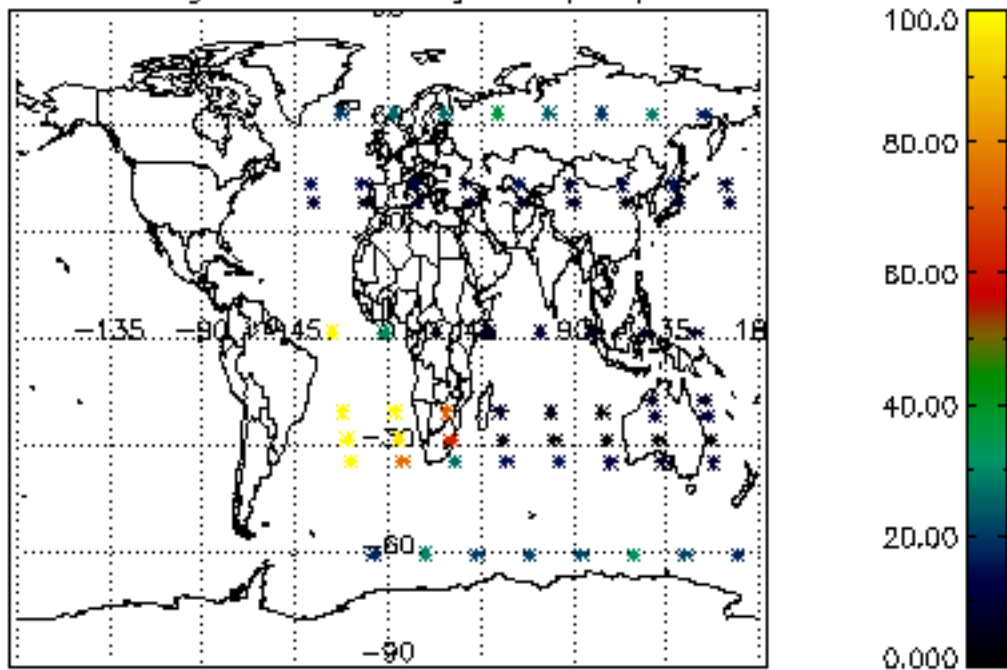
Percentage of flagged data per NO3 profile



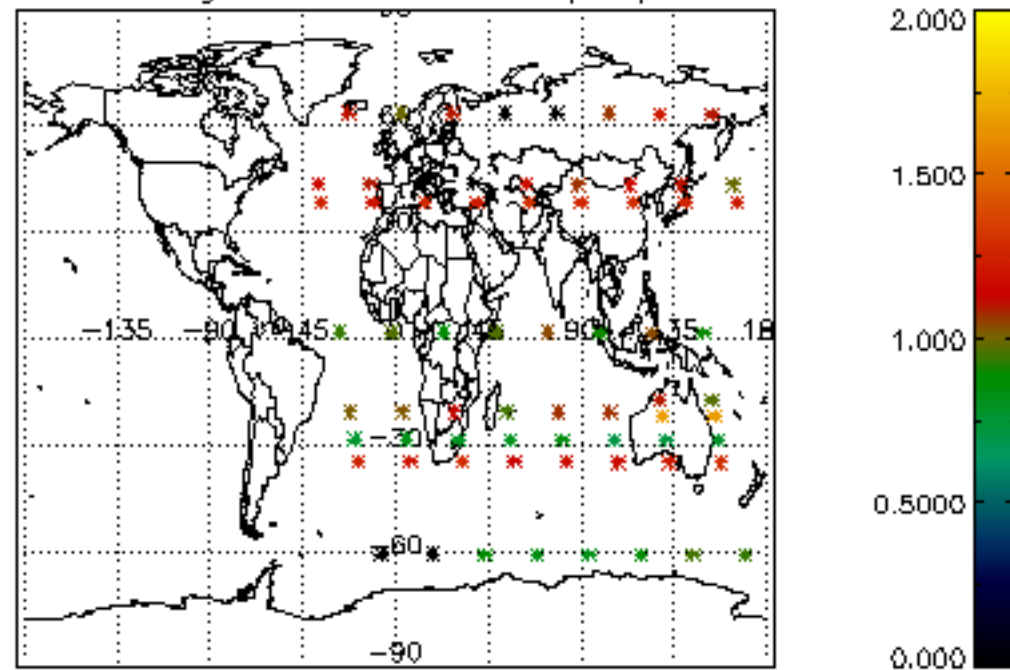




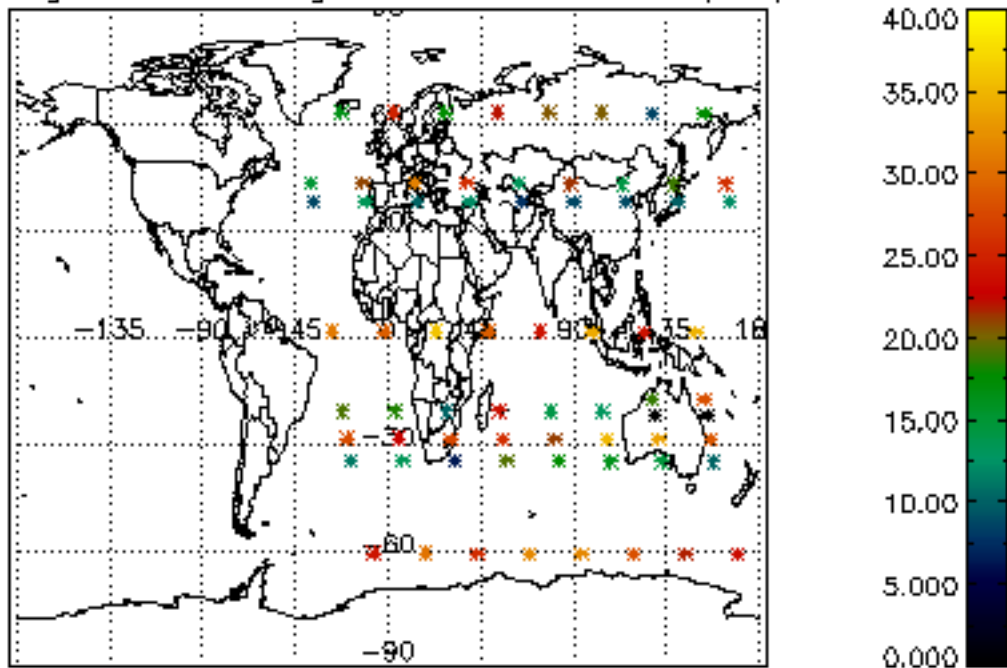
Percentage of cosmic ray hits per profile



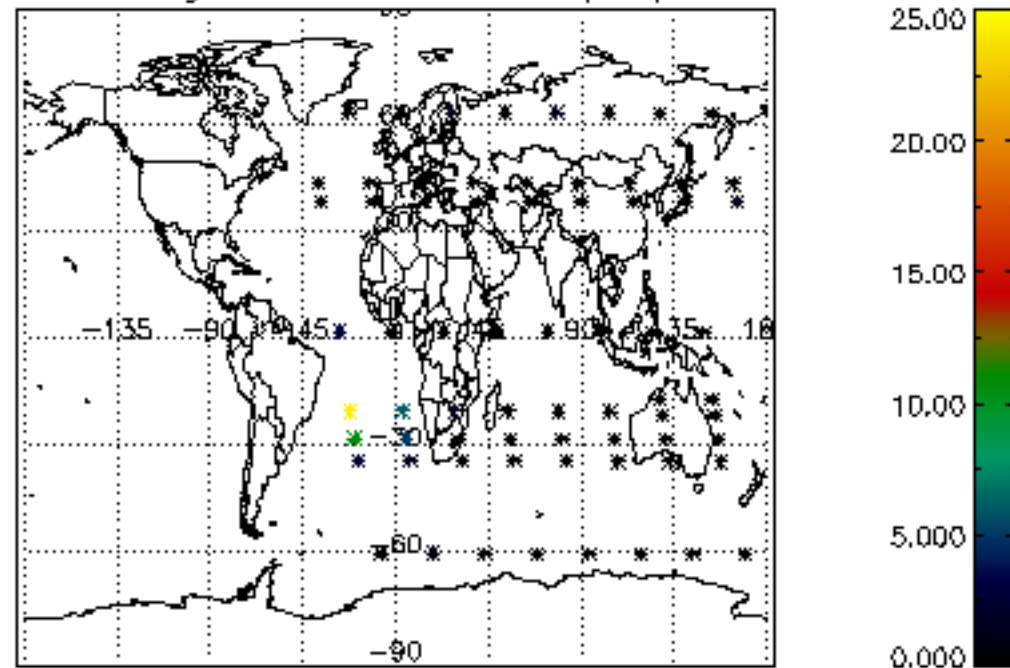
Percentage of datation errors per profile



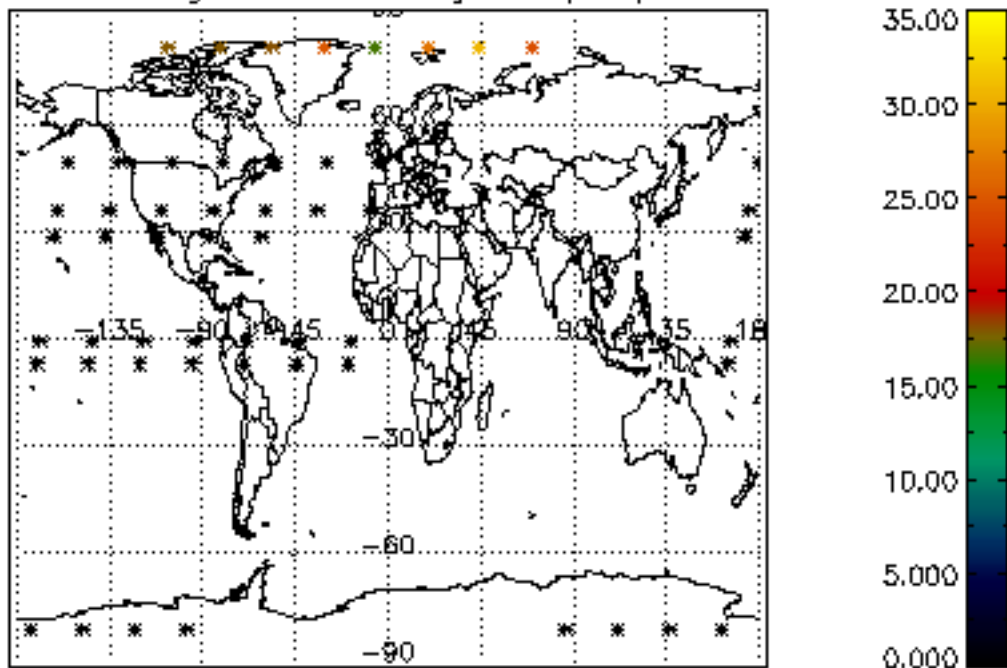
Percentage of star falling outside central band per profile



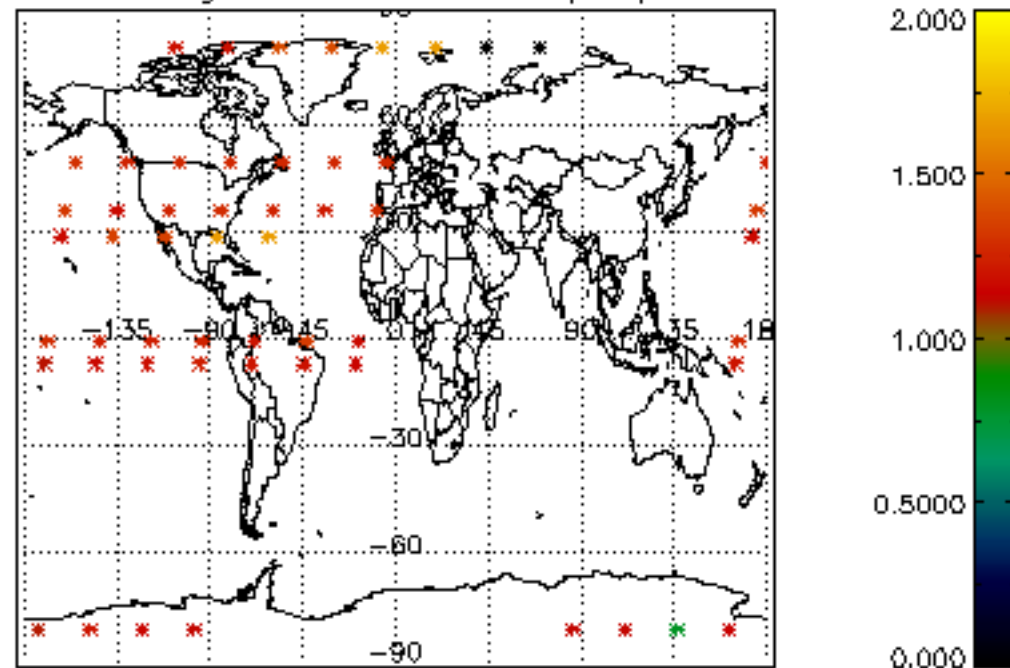
Percentage of saturation errors per profile



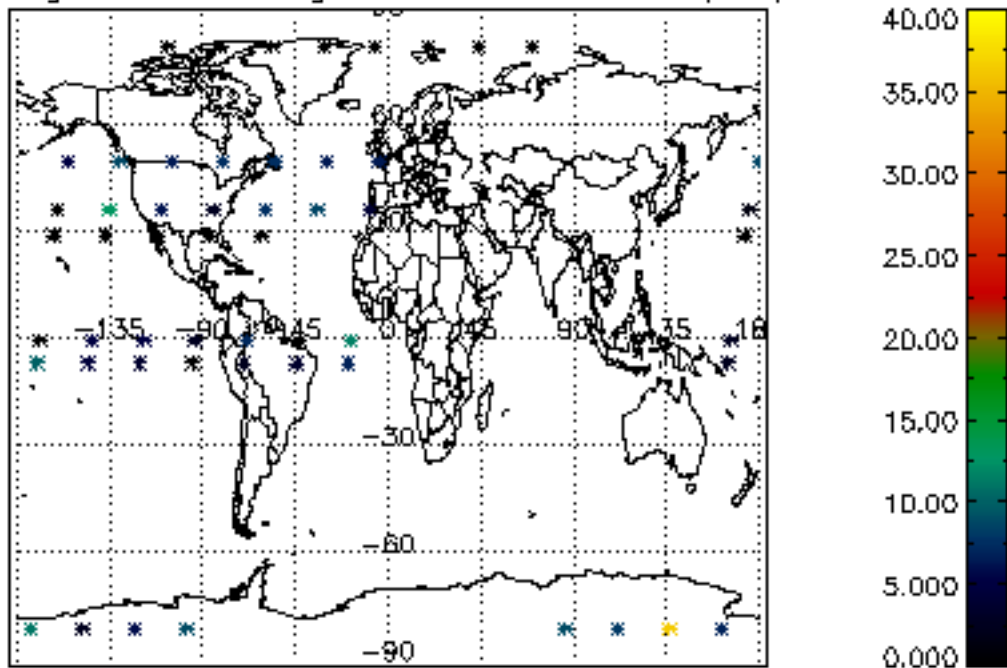
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

