

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	29APR2013 16:52:33
Data source version	GOMOS/6.01
Start time of products	11-12-2010 (11DEC2010 00:00:00)
Stop time of products	12-12-2010 (12DEC2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	356
Nb of prods with errors	1

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__2PRFIN20101211_000207_000000533097_00203_45907_3185.N1	11-DEC-2010 00:02:07	Twilight	53.000	13	87Alp Tau	0.86700	3800.0	106	45907	No
2	GOM_NL__2PRFIN20101211_000620_000000373097_00203_45907_3186.N1	11-DEC-2010 00:06:20	Bright	36.500	150	44Zet Per	2.8900	28000.	73	45907	No
3	GOM_NL__2PRFIN20101211_000840_000000363097_00203_45907_3187.N1	11-DEC-2010 00:08:40	Bright	35.500	149	45Eps Per	2.8880	30000.	71	45907	No
4	GOM_NL__2PRFIN20101211_001041_000000333097_00203_45907_3188.N1	11-DEC-2010 00:10:41	Twilight	33.000	107	37The Aur	2.6490	11000.	66	45907	No
5	GOM_NL__2PRFIN20101211_001247_000000463097_00203_45907_3189.N1	11-DEC-2010 00:12:47	Bright	46.000	42	34Bet Aur	1.9000	10200.	92	45907	No
6	GOM_NL__2PRFIN20101211_002807_000000473097_00203_45907_3190.N1	11-DEC-2010 00:28:07	Bright	46.500	36	50Alp UMa	1.8000	6300.0	93	45907	No
7	GOM_NL__2PRFIN20101211_003159_000000603097_00203_45907_3191.N1	11-DEC-2010 00:31:59	Bright	60.000	32	77Eps UMa	1.7630	11000.	120	45907	No
8	GOM_NL__2PRFIN20101211_003422_000000563097_00203_45907_3192.N1	11-DEC-2010 00:34:22	Bright	56.000	39	85Eta UMa	1.8540	24000.	112	45907	No
9	GOM_NL__2PRFIN20101211_003733_000000543097_00203_45907_3193.N1	11-DEC-2010 00:37:33	Bright	54.000	180	27Gam Boo	3.0400	8000.0	108	45907	No
10	GOM_NL__2PRFIN20101211_004349_000000393097_00203_45907_3194.N1	11-DEC-2010 00:43:49	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	45907	No
11	GOM_NL__2PRFIN20101211_004724_000000483097_00203_45907_3195.N1	11-DEC-2010 00:47:24	Bright	47.500	138	47Eps Vir	2.8280	4700.0	95	45907	No
12	GOM_NL__2PRFIN20101211_005317_000000603097_00203_45907_3196.N1	11-DEC-2010 00:53:17	Twilight	60.000	15	67Alp Vir	0.97600	28000.	120	45907	No
13	GOM_NL__2PRFIN20101211_005645_000000433097_00203_45907_3197.N1	11-DEC-2010 00:56:45	Twilight	43.000	169	46Gam Hya	2.9910	4700.0	86	45907	No
14	GOM_NL__2PRFIN20101211_010010_000000563097_00203_45907_3198.N1	11-DEC-2010 01:00:10	Dark	56.000	171	2Eps Crv	3.0010	4250.0	112	45907	No
15	GOM_NL__2PRFIN20101211_010542_000000423097_00203_45907_3199.N1	11-DEC-2010 01:05:42	Dark	41.500	99	Del Cen	2.5750	26000.	83	45907	No
16	GOM_NL__2PRFIN20101211_010917_000000473097_00204_45908_3188.N1	11-DEC-2010 01:09:17	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	45908	No
17	GOM_NL__2PRFIN20101211_011322_000000413097_00204_45908_3189.N1	11-DEC-2010 01:13:22	Dark	41.000	71	Iot Car	2.2460	7700.0	82	45908	No
18	GOM_NL__2PRFIN20101211_011752_000000473097_00204_45908_3190.N1	11-DEC-2010 01:17:52	Dark	47.000	34	Gam2Vel	1.7930	23000.	94	45908	No
19	GOM_NL__2PRFIN20101211_012024_000000483097_00204_45908_3191.N1	11-DEC-2010 01:20:24	Dark	47.500	2	Alp Car	-0.73600	7000.0	95	45908	No
20	GOM_NL__2PRFIN20101211_012252_000000543097_00204_45908_3192.N1	11-DEC-2010 01:22:52	Dark	54.000	117	Pi Pup	2.7060	3800.0	108	45908	No
21	GOM_NL__2PRFIN20101211_012617_000000603097_00204_45908_3193.N1	11-DEC-2010 01:26:17	Straylight	60.000	23	21Eps CMa	1.5020	26000.	120	45908	No
22	GOM_NL__2PRFIN20101211_013112_000000563097_00204_45908_3194.N1	11-DEC-2010 01:31:12	Straylight	55.500	47	2Bet CMa	1.9760	28000.	111	45908	No
23	GOM_NL__2PRFIN20101211_013453_000000543097_00204_45908_3195.N1	11-DEC-2010 01:34:53	Straylight	53.500	7	19Bet Ori	0.10000	14000.	107	45908	No
24	GOM_NL__2PRFIN20101211_013719_000000523097_00204_45908_3196.N1	11-DEC-2010 01:37:19	Straylight	51.500	30	46Eps Ori	1.6940	30000.	103	45908	No
25	GOM_NL__2PRFIN20101211_013945_000000533097_00204_45908_3197.N1	11-DEC-2010 01:39:45	Twilight	53.000	27	24Gam Ori	1.6360	26000.	106	45908	No
26	GOM_NL__2PRFIN20101211_014221_000000513097_00204_45908_3198.N1	11-DEC-2010 01:42:21	Twilight	50.500	13	87Alp Tau	0.86700	3800.0	101	45908	No
27	GOM_NL__2PRFIN20101211_014634_000000363097_00204_45908_3199.N1	11-DEC-2010 01:46:34	Bright	36.000	150	44Zet Per	2.8900	28000.	72	45908	No
28	GOM_NL__2PRFIN20101211_014854_000000363097_00204_45908_3200.N1	11-DEC-2010 01:48:54	Bright	35.500	149	45Eps Per	2.8880	30000.	71	45908	No
29	GOM_NL__2PRFIN20101211_015054_000000393097_00204_45908_3201.N1	11-DEC-2010 01:50:54	Bright	39.000	107	37The Aur	2.6490	11000.	78	45908	No
30	GOM_NL__2PRFIN20101211_015300_000000453097_00204_45908_3202.N1	11-DEC-2010 01:53:00	Bright	44.500	42	34Bet Aur	1.9000	10200.	89	45908	No
31	GOM_NL__2PRFIN20101211_020820_000000473097_00204_45908_3203.N1	11-DEC-2010 02:08:20	Bright	46.500	36	50Alp UMa	1.8000	6300.0	93	45908	No
32	GOM_NL__2PRFIN20101211_021213_000000433097_00204_45908_3204.N1	11-DEC-2010 02:12:13	Bright	42.500	32	77Eps UMa	1.7630	11000.	85	45908	No
33	GOM_NL__2PRFIN20101211_021436_000000563097_00204_45908_3205.N1	11-DEC-2010 02:14:36	Bright	56.000	39	85Eta UMa	1.8540	24000.	112	45908	No
34	GOM_NL__2PRFIN20101211_021747_000000543097_00204_45908_3206.N1	11-DEC-2010 02:17:47	Bright	54.000	180	27Gam Boo	3.0400	8000.0	108	45908	No
35	GOM_NL__2PRFIN20101211_022404_000000383097_00204_45908_3207.N1	11-DEC-2010 02:24:04	Bright	38.000	111	8Eta Boo	2.6800	6000.0	76	45908	No
36	GOM_NL__2PRFIN20101211_022738_000000483097_00204_45908_3208.N1	11-DEC-2010 02:27:38	Bright	47.500	138	47Eps Vir	2.8280	4700.0	95	45908	No
37	GOM_NL__2PRFIN20101211_023331_000000513097_00204_45908_3209.N1	11-DEC-2010 02:33:31	Twilight	51.000	15	67Alp Vir	0.97600	28000.	102	45908	No
38	GOM_NL__2PRFIN20101211_024025_000000543097_00204_45908_3210.N1	11-DEC-2010 02:40:25	Dark	53.500	171	2Eps Crv	3.0010	4250.0	107	45908	No
39	GOM_NL__2PRFIN20101211_024557_000000403097_00204_45908_3211.N1	11-DEC-2010 02:45:57	Dark	40.000	99	Del Cen	2.5750	26000.	80	45908	No
40	GOM_NL__2PRFIN20101211_024932_000000443097_00205_45909_3204.N1	11-DEC-2010 02:49:32	Dark	44.000	113	Mu Vel	2.6920	5000.0	88	45909	No
41	GOM_NL__2PRFIN20101211_025337_000000423097_00205_45909_3205.N1	11-DEC-2010 02:53:37	Dark	41.500	71	Iot Car	2.2460	7700.0	83	45909	No
42	GOM_NL__2PRFIN20101211_025807_000000493097_00205_45909_3206.N1	11-DEC-2010 02:58:07	Dark	48.500	34	Gam2Vel	1.7930	23000.	97	45909	No

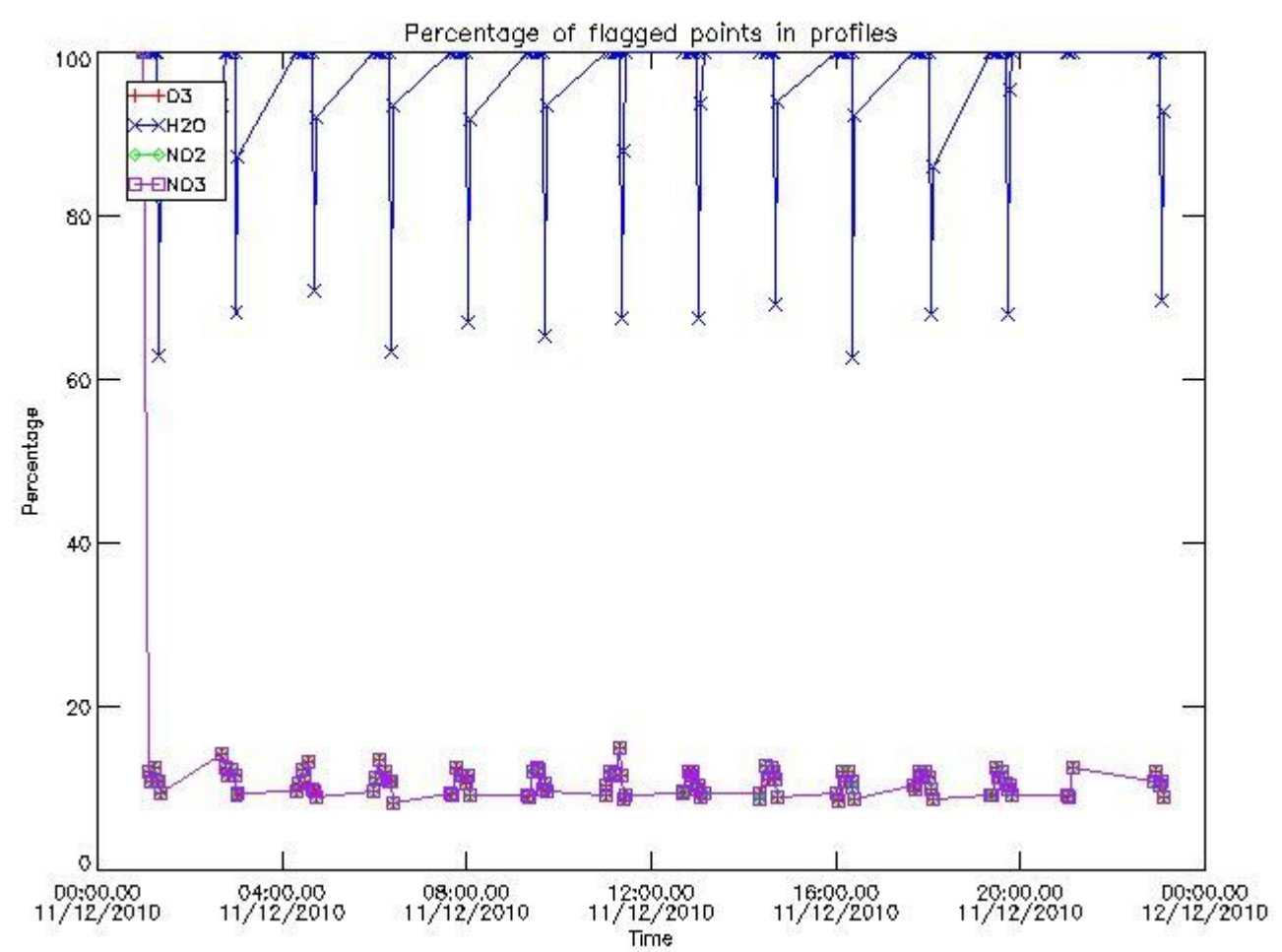
43	GOM_NL__2PRFIN20101211_030038_000000563097_00205_45909_3207.N1	11-DEC-2010 03:00:38	Dark	55.500	2	Alp Car	-0.73600	7000.0	111	45909	No
44	GOM_NL__2PRFIN20101211_030306_000000593097_00205_45909_3208.N1	11-DEC-2010 03:03:06	Dark	59.000	117	Pi Pup	2.7060	3800.0	118	45909	No
45	GOM_NL__2PRFIN20101211_030631_000000603097_00205_45909_3209.N1	11-DEC-2010 03:06:31	Straylight	59.500	23	21Eps CMa	1.5020	26000.	119	45909	No
46	GOM_NL__2PRFIN20101211_031126_000000573097_00205_45909_3210.N1	11-DEC-2010 03:11:26	Straylight	56.500	47	2Bet CMa	1.9760	28000.	113	45909	No
47	GOM_NL__2PRFIN20101211_031507_000000533097_00205_45909_3211.N1	11-DEC-2010 03:15:07	Straylight	53.000	7	19Bet Ori	0.10000	14000.	106	45909	No
48	GOM_NL__2PRFIN20101211_031732_000000533097_00205_45909_3212.N1	11-DEC-2010 03:17:32	Straylight	52.500	30	46Eps Ori	1.6940	30000.	105	45909	No
49	GOM_NL__2PRFIN20101211_031959_000000523097_00205_45909_3213.N1	11-DEC-2010 03:19:59	Tw_i_and_stray	52.000	27	24Gam Ori	1.6360	26000.	104	45909	No
50	GOM_NL__2PRFIN20101211_032235_000000563097_00205_45909_3214.N1	11-DEC-2010 03:22:35	Tw_i_and_stray	56.000	13	87Alp Tau	0.86700	3800.0	112	45909	No
51	GOM_NL__2PRFIN20101211_032656_000000303097_00205_45909_3215.N1	11-DEC-2010 03:26:56	Dark	29.500	150	44Zet Per	2.8900	28000.	59	45909	Yes
52	GOM_NL__2PRFIN20101211_032908_000000363097_00205_45909_3216.N1	11-DEC-2010 03:29:08	Bright	36.000	149	45Eps Per	2.8880	30000.	72	45909	No
53	GOM_NL__2PRFIN20101211_033108_000000393097_00205_45909_3217.N1	11-DEC-2010 03:31:08	Bright	39.000	107	37The Aur	2.6490	11000.	78	45909	No
54	GOM_NL__2PRFIN20101211_033313_000000463097_00205_45909_3218.N1	11-DEC-2010 03:33:13	Bright	46.000	42	34Bet Aur	1.9000	10200.	92	45909	No
55	GOM_NL__2PRFIN20101211_034834_000000483097_00205_45909_3219.N1	11-DEC-2010 03:48:34	Bright	47.500	36	50Alp UMa	1.8000	6300.0	95	45909	No
56	GOM_NL__2PRFIN20101211_035227_000000433097_00205_45909_3220.N1	11-DEC-2010 03:52:27	Bright	42.500	32	77Eps UMa	1.7630	11000.	85	45909	No
57	GOM_NL__2PRFIN20101211_035451_000000393097_00205_45909_3221.N1	11-DEC-2010 03:54:51	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	45909	No
58	GOM_NL__2PRFIN20101211_035801_000000373097_00205_45909_3222.N1	11-DEC-2010 03:58:01	Bright	36.500	180	27Gam Boo	3.0400	8000.0	73	45909	No
59	GOM_NL__2PRFIN20101211_040418_000000573097_00205_45909_3223.N1	11-DEC-2010 04:04:18	Bright	57.000	111	8Eta Boo	2.6800	6000.0	114	45909	No
60	GOM_NL__2PRFIN20101211_040753_000000533097_00205_45909_3224.N1	11-DEC-2010 04:07:53	Bright	53.000	138	47Eps Vir	2.8280	4700.0	106	45909	No
61	GOM_NL__2PRFIN20101211_041346_000000523097_00205_45909_3225.N1	11-DEC-2010 04:13:46	Tw_i_and_stray	51.500	15	67Alp Vir	0.97600	28000.	103	45909	No
62	GOM_NL__2PRFIN20101211_041714_000000453097_00205_45909_3226.N1	11-DEC-2010 04:17:14	Twilight	45.000	169	46Gam Hya	2.9910	4700.0	90	45909	No
63	GOM_NL__2PRFIN20101211_041904_000000533097_00205_45909_3227.N1	11-DEC-2010 04:19:04	Dark	53.000	100	4Gam Crv	2.5800	13100.	106	45909	No
64	GOM_NL__2PRFIN20101211_042040_000000533097_00205_45909_3228.N1	11-DEC-2010 04:20:40	Dark	53.000	171	2Eps Crv	3.0010	4250.0	106	45909	No
65	GOM_NL__2PRFIN20101211_042612_000000423097_00205_45909_3229.N1	11-DEC-2010 04:26:12	Dark	41.500	99	Del Cen	2.5750	26000.	83	45909	No
66	GOM_NL__2PRFIN20101211_042946_000000473097_00206_45910_3215.N1	11-DEC-2010 04:29:46	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	45910	No
67	GOM_NL__2PRFIN20101211_043351_000000423097_00206_45910_3216.N1	11-DEC-2010 04:33:51	Dark	42.000	71	lot Car	2.2460	7700.0	84	45910	No
68	GOM_NL__2PRFIN20101211_043822_000000523097_00206_45910_3217.N1	11-DEC-2010 04:38:22	Dark	52.000	34	Gam2Vel	1.7930	23000.	104	45910	No
69	GOM_NL__2PRFIN20101211_044052_000000543097_00206_45910_3218.N1	11-DEC-2010 04:40:52	Dark	53.500	2	Alp Car	-0.73600	7000.0	107	45910	No
70	GOM_NL__2PRFIN20101211_044321_000000573097_00206_45910_3219.N1	11-DEC-2010 04:43:21	Dark	57.000	117	Pi Pup	2.7060	3800.0	114	45910	No
71	GOM_NL__2PRFIN20101211_044646_000000603097_00206_45910_3220.N1	11-DEC-2010 04:46:46	Straylight	59.500	23	21Eps CMa	1.5020	26000.	119	45910	No
72	GOM_NL__2PRFIN20101211_045140_000000583097_00206_45910_3221.N1	11-DEC-2010 04:51:40	Straylight	57.500	47	2Bet CMa	1.9760	28000.	115	45910	No
73	GOM_NL__2PRFIN20101211_045521_000000523097_00206_45910_3222.N1	11-DEC-2010 04:55:21	Straylight	52.000	7	19Bet Ori	0.10000	14000.	104	45910	No
74	GOM_NL__2PRFIN20101211_045746_000000543097_00206_45910_3223.N1	11-DEC-2010 04:57:46	Straylight	54.000	30	46Eps Ori	1.6940	30000.	108	45910	No
75	GOM_NL__2PRFIN20101211_050013_000000523097_00206_45910_3224.N1	11-DEC-2010 05:00:13	Tw_i_and_stray	51.500	27	24Gam Ori	1.6360	26000.	103	45910	No
76	GOM_NL__2PRFIN20101211_050249_000000493097_00206_45910_3225.N1	11-DEC-2010 05:02:49	Tw_i_and_stray	49.000	13	87Alp Tau	0.86700	3800.0	98	45910	No
77	GOM_NL__2PRFIN20101211_050528_000000453097_00206_45910_3226.N1	11-DEC-2010 05:05:28	Bright	44.500	176	23Zet Tau	3.0200	22000.	89	45910	No
78	GOM_NL__2PRFIN20101211_050729_000000443097_00206_45910_3227.N1	11-DEC-2010 05:07:29	Bright	44.000	28	12Bet Tau	1.6500	15200.	88	45910	No
79	GOM_NL__2PRFIN20101211_050922_000000363097_00206_45910_3228.N1	11-DEC-2010 05:09:22	Bright	35.500	149	45Eps Per	2.8880	30000.	71	45910	No
80	GOM_NL__2PRFIN20101211_051121_000000453097_00206_45910_3229.N1	11-DEC-2010 05:11:21	Bright	45.000	107	37The Aur	2.6490	11000.	90	45910	No
81	GOM_NL__2PRFIN20101211_051327_000000453097_00206_45910_3230.N1	11-DEC-2010 05:13:27	Bright	45.000	42	34Bet Aur	1.9000	10200.	90	45910	No
82	GOM_NL__2PRFIN20101211_052848_000000473097_00206_45910_3231.N1	11-DEC-2010 05:28:48	Bright	47.000	36	50Alp UMa	1.8000	6300.0	94	45910	No
83	GOM_NL__2PRFIN20101211_053240_000000433097_00206_45910_3232.N1	11-DEC-2010 05:32:40	Bright	42.500	32	77Eps UMa	1.7630	11000.	85	45910	No
84	GOM_NL__2PRFIN20101211_053504_000000383097_00206_45910_3233.N1	11-DEC-2010 05:35:04	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	45910	No
85	GOM_NL__2PRFIN20101211_053815_000000533097_00206_45910_3234.N1	11-DEC-2010 05:38:15	Bright	53.000	180	27Gam Boo	3.0400	8000.0	106	45910	No
86	GOM_NL__2PRFIN20101211_054432_000000403097_00206_45910_3235.N1	11-DEC-2010 05:44:32	Bright	40.000	111	8Eta Boo	2.6800	6000.0	80	45910	No
87	GOM_NL__2PRFIN20101211_054807_000000493097_00206_45910_3236.N1	11-DEC-2010 05:48:07	Bright	49.000	138	47Eps Vir	2.8280	4700.0	98	45910	No
88	GOM_NL__2PRFIN20101211_055401_000000493097_00206_45910_3237.N1	11-DEC-2010 05:54:01	Tw_i_and_stray	48.500	15	67Alp Vir	0.97600	28000.	97	45910	No
89	GOM_NL__2PRFIN20101211_055729_000000463097_00206_45910_3238.N1	11-DEC-2010 05:57:29	Twilight	46.000	169	46Gam Hya	2.9910	4700.0	92	45910	No
90	GOM_NL__2PRFIN20101211_055919_000000543097_00206_45910_3239.N1	11-DEC-2010 05:59:19	Dark	53.500	100	4Gam Crv	2.5800	13100.	107	45910	No
91	GOM_NL__2PRFIN20101211_060055_000000543097_00206_45910_3240.N1	11-DEC-2010 06:00:55	Dark	54.000	171	2Eps Crv	3.0010	4250.0	108	45910	No
92	GOM_NL__2PRFIN20101211_060627_000000423097_00206_45910_3241.N1	11-DEC-2010 06:06:27	Dark	41.500	99	Del Cen	2.5750	26000.	83	45910	No
93	GOM_NL__2PRFIN20101211_061001_000000463097_00207_45911_3237.N1	11-DEC-2010 06:10:01	Dark	45.500	113	Mu Vel	2.6920	5000.0	91	45911	No
94	GOM_NL__2PRFIN20101211_061406_000000433097_00207_45911_3238.N1	11-DEC-2010 06:14:06	Dark	42.500	71	lot Car	2.2460	7700.0	85	45911	No
95	GOM_NL__2PRFIN20101211_061836_000000523097_00207_45911_3239.N1	11-DEC-2010 06:18:36	Dark	51.500	34	Gam2Vel	1.7930	23000.	103	45911	No
96	GOM_NL__2PRFIN20101211_062107_000000473097_00207_45911_3240.N1	11-DEC-2010 06:21:07	Dark	47.000	2	Alp Car	-0.73600	7000.0	94	45911	No
97	GOM_NL__2PRFIN20101211_062336_000000623097_00207_45911_3241.N1	11-DEC-2010 06:23:36	Dark	62.000	117	Pi Pup	2.7060	3800.0	124	45911	No
98	GOM_NL__2PRFIN20101211_062700_000000613097_00207_45911_3242.N1	11-DEC-2010 06:27:00	Straylight	61.000	23	21Eps CMa	1.5020	26000.	122	45911	No
99	GOM_NL__2PRFIN20101211_063154_000000563097_00207_45911_3243.N1	11-DEC-2010 06:31:54	Straylight	56.000	47	2Bet CMa	1.9760	28000.	112	45911	No
100	GOM_NL__2PRFIN20101211_063535_000000573097_00207_45911_3244.N1	11-DEC-2010 06:35:35	Straylight	56.500	7	19Bet Ori	0.10000	14000.	113	45911	No
101	GOM_NL__2PRFIN20101211_063800_000000533097_00207_45911_3245.N1	11-DEC-2010 06:38:00	Straylight	52.500	30	46Eps Ori	1.6940	30000.	105	45911	No

338	GOM_NL__2PRFIN20101211_225230_000000473097_00217_45921_3490.N1	11-DEC-2010 22:52:30	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	45921	No
339	GOM_NL__2PRFIN20101211_225632_000000423097_00217_45921_3491.N1	11-DEC-2010 22:56:32	Dark	42.000	71	Iot Car	2.2460	7700.0	84	45921	No
340	GOM_NL__2PRFIN20101211_230104_000000503097_00217_45921_3492.N1	11-DEC-2010 23:01:04	Dark	49.500	34	Gam2Vel	1.7930	23000.	99	45921	No
341	GOM_NL__2PRFIN20101211_230331_000000473097_00217_45921_3493.N1	11-DEC-2010 23:03:31	Dark	46.500	2	Alp Car	-0.73600	7000.0	93	45921	No
342	GOM_NL__2PRFIN20101211_230602_000000573097_00217_45921_3494.N1	11-DEC-2010 23:06:02	Dark	56.500	117	Pi Pup	2.7060	3800.0	113	45921	No
343	GOM_NL__2PRFIN20101211_230925_000000553097_00217_45921_3495.N1	11-DEC-2010 23:09:25	Straylight	54.500	23	21Eps CMa	1.5020	26000.	109	45921	No
344	GOM_NL__2PRFIN20101211_231416_000000543097_00217_45921_3496.N1	11-DEC-2010 23:14:16	Straylight	54.000	47	2Bet CMa	1.9760	28000.	108	45921	No
345	GOM_NL__2PRFIN20101211_231755_000000593097_00217_45921_3497.N1	11-DEC-2010 23:17:55	Straylight	59.000	7	19Bet Ori	0.10000	14000.	118	45921	No
346	GOM_NL__2PRFIN20101211_232019_000000543097_00217_45921_3498.N1	11-DEC-2010 23:20:19	Straylight	53.500	30	46Eps Ori	1.6940	30000.	107	45921	No
347	GOM_NL__2PRFIN20101211_232244_000000523097_00217_45921_3499.N1	11-DEC-2010 23:22:44	Tw_i_and_stray	51.500	27	24Gam Ori	1.6360	26000.	103	45921	No
348	GOM_NL__2PRFIN20101211_232522_000000503097_00217_45921_3500.N1	11-DEC-2010 23:25:22	Tw_i_and_stray	49.500	13	87Alp Tau	0.86700	3800.0	99	45921	No
349	GOM_NL__2PRFIN20101211_232756_000000453097_00217_45921_3501.N1	11-DEC-2010 23:27:56	Bright	44.500	176	23Zet Tau	3.0200	22000.	89	45921	No
350	GOM_NL__2PRFIN20101211_232936_000000373097_00217_45921_3502.N1	11-DEC-2010 23:29:36	Bright	37.000	150	44Zet Per	2.8900	28000.	74	45921	No
351	GOM_NL__2PRFIN20101211_233155_000000373097_00217_45921_3503.N1	11-DEC-2010 23:31:55	Bright	37.000	149	45Eps Per	2.8880	30000.	74	45921	No
352	GOM_NL__2PRFIN20101211_233347_000000303097_00217_45921_3504.N1	11-DEC-2010 23:33:47	Tw_i_and_stray	30.000	107	37The Aur	2.6490	11000.	60	45921	No
353	GOM_NL__2PRFIN20101211_233447_000000433097_00217_45921_3505.N1	11-DEC-2010 23:34:47	Bright	42.500	6	13Alp Aur	0.080000	3400.0	85	45921	No
354	GOM_NL__2PRFIN20101211_235117_000000473097_00217_45921_3506.N1	11-DEC-2010 23:51:17	Bright	47.000	36	50Alp UMa	1.8000	6300.0	94	45921	No
355	GOM_NL__2PRFIN20101211_235513_000000603097_00217_45921_3507.N1	11-DEC-2010 23:55:13	Bright	60.000	32	77Eps UMa	1.7630	11000.	120	45921	No
356	GOM_NL__2PRFIN20101211_235739_000000573097_00217_45921_3508.N1	11-DEC-2010 23:57:39	Bright	57.000	39	85Eta UMa	1.8540	24000.	114	45921	No

3. Quality information per product

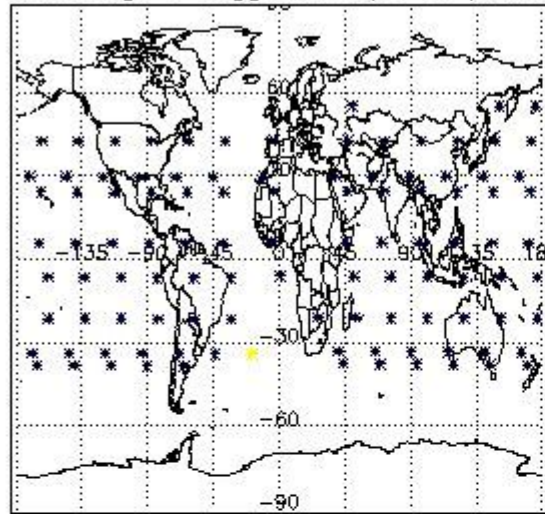
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

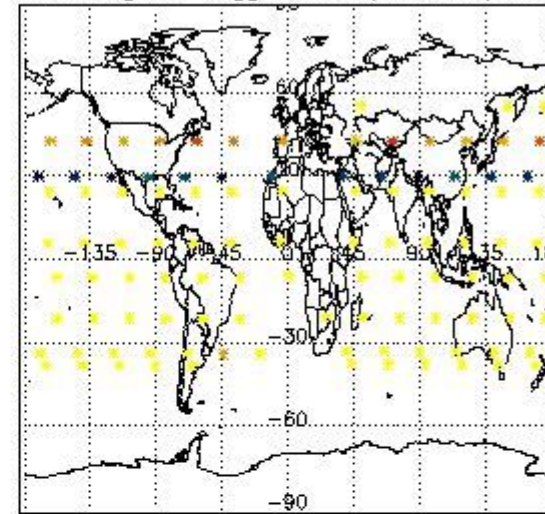


3.2 Plot quality information per product (world map)

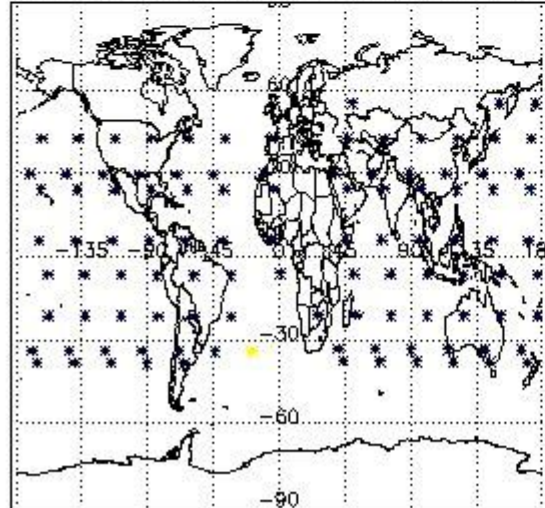
Percentage of flagged data per O3 profile



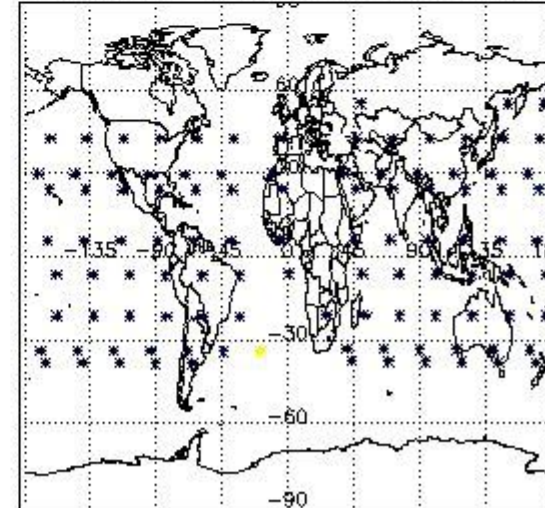
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

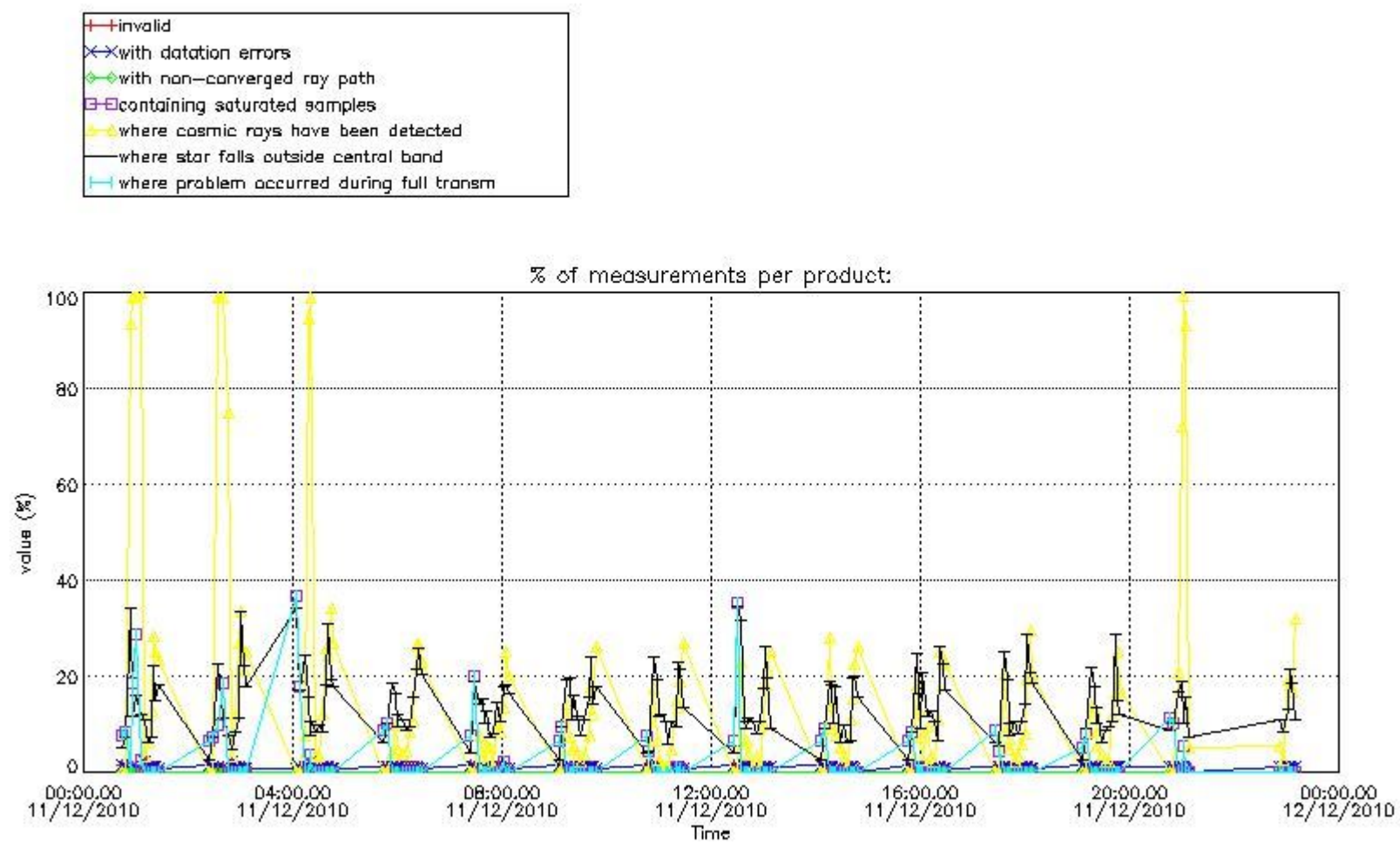


4. Level 1 quality information per product

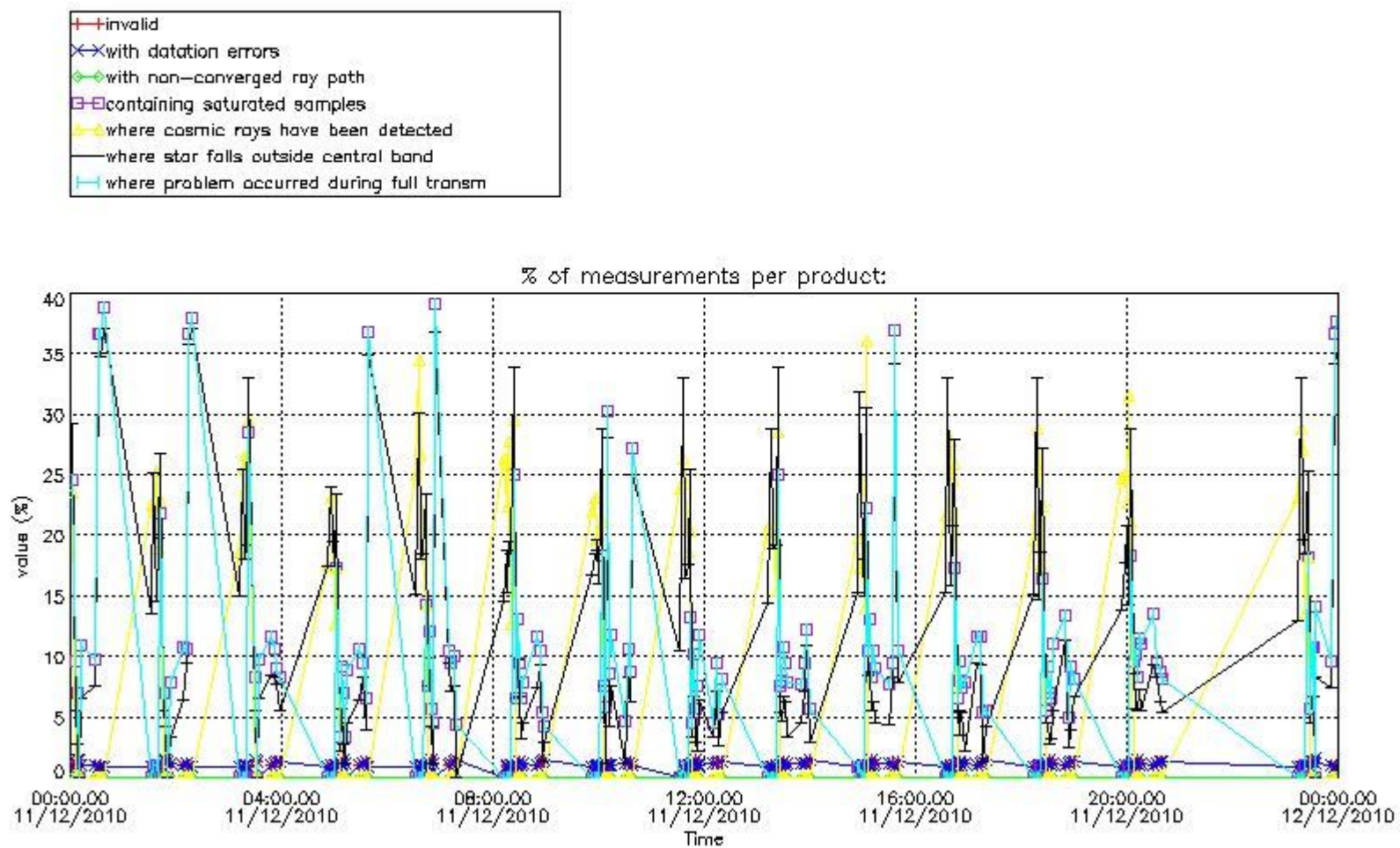
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



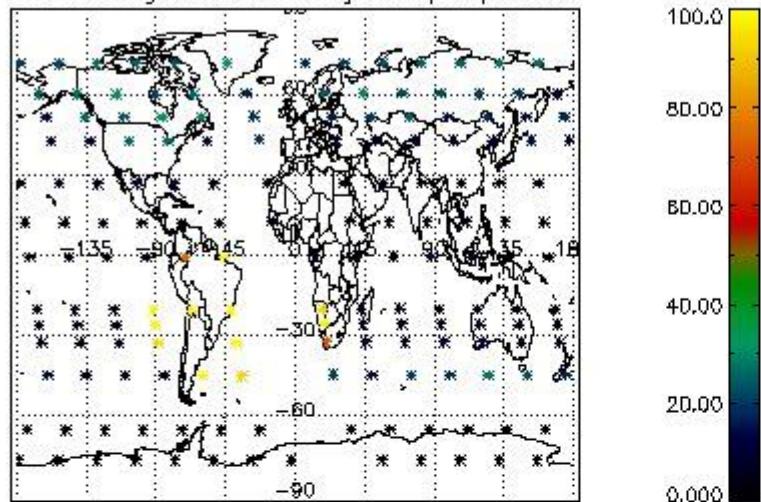
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



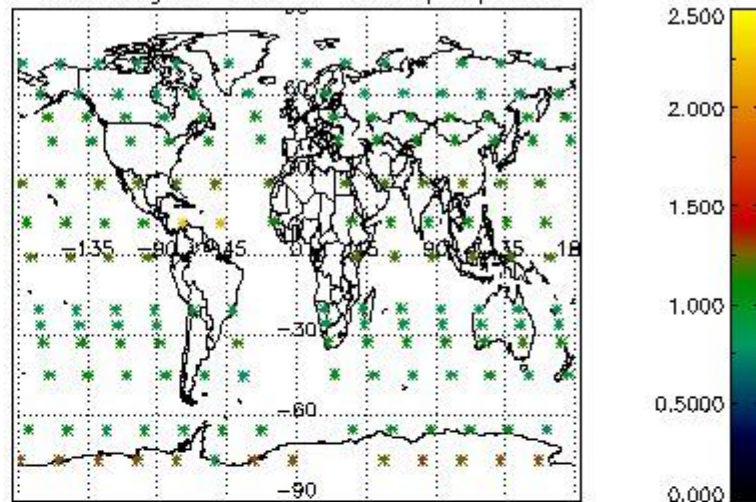
4.2 Plot quality information per product coming from level 1b processing (world map)

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

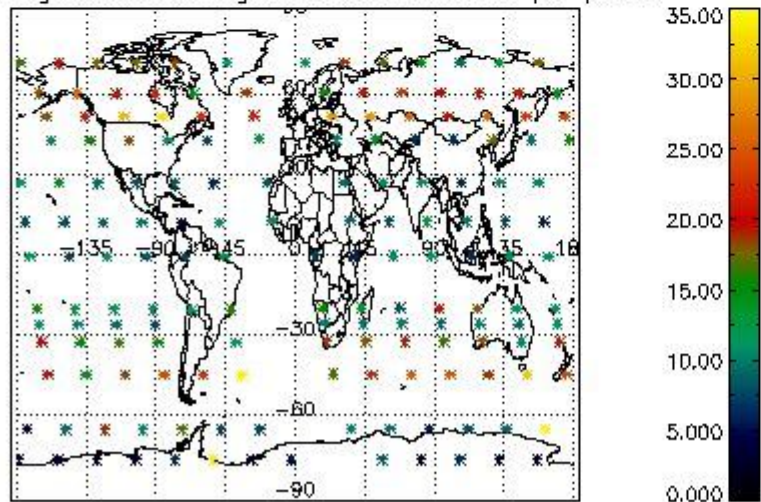
Percentage of cosmic ray hits per profile



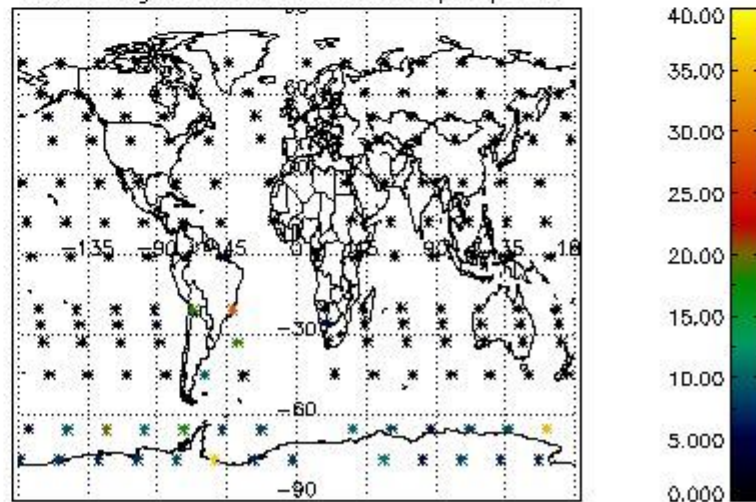
Percentage of datation errors per profile



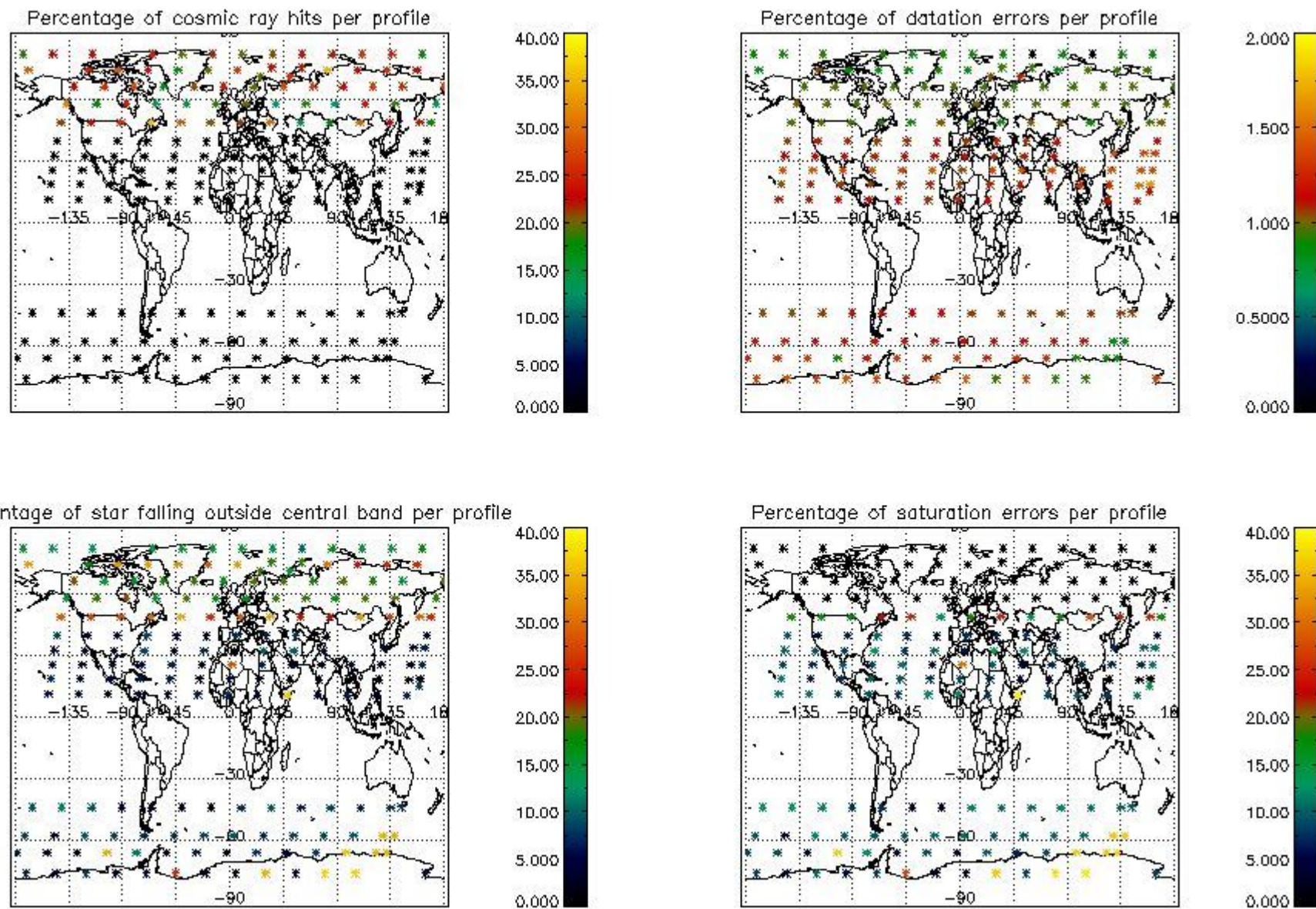
Percentage of star falling outside central band per profile



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

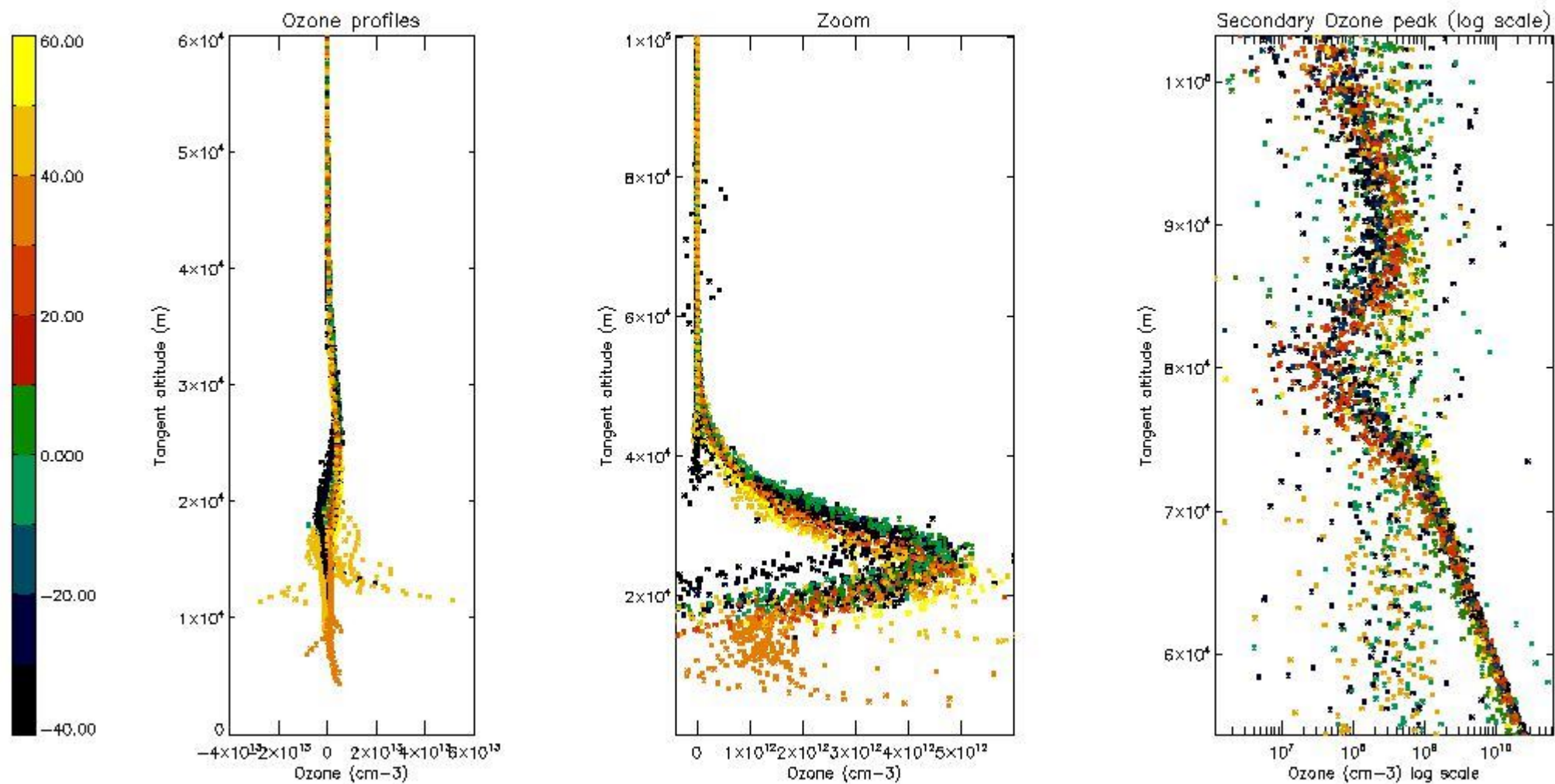
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	31
STD < 20	14

STD < 10	10
STD < 5	7

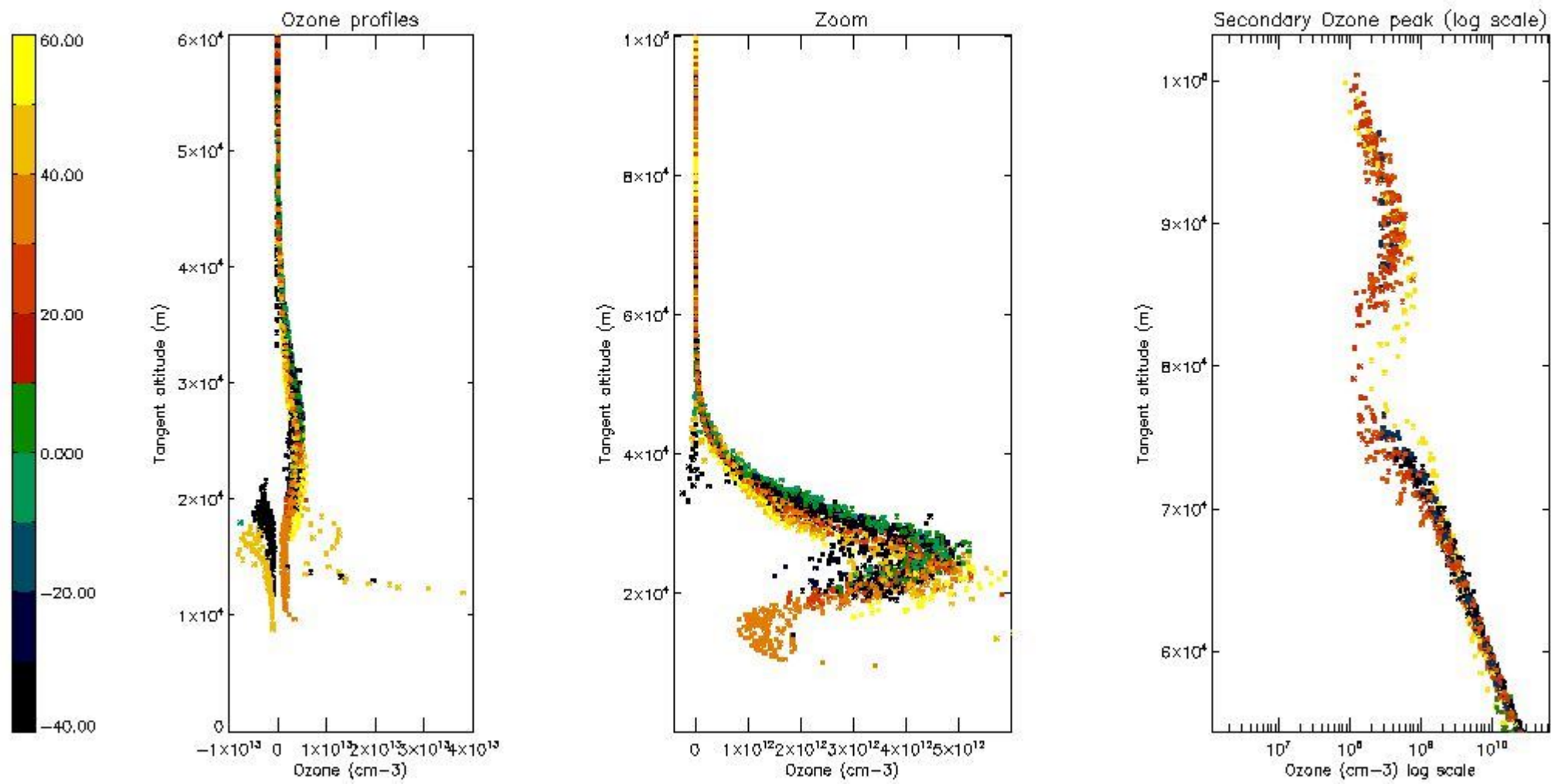
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



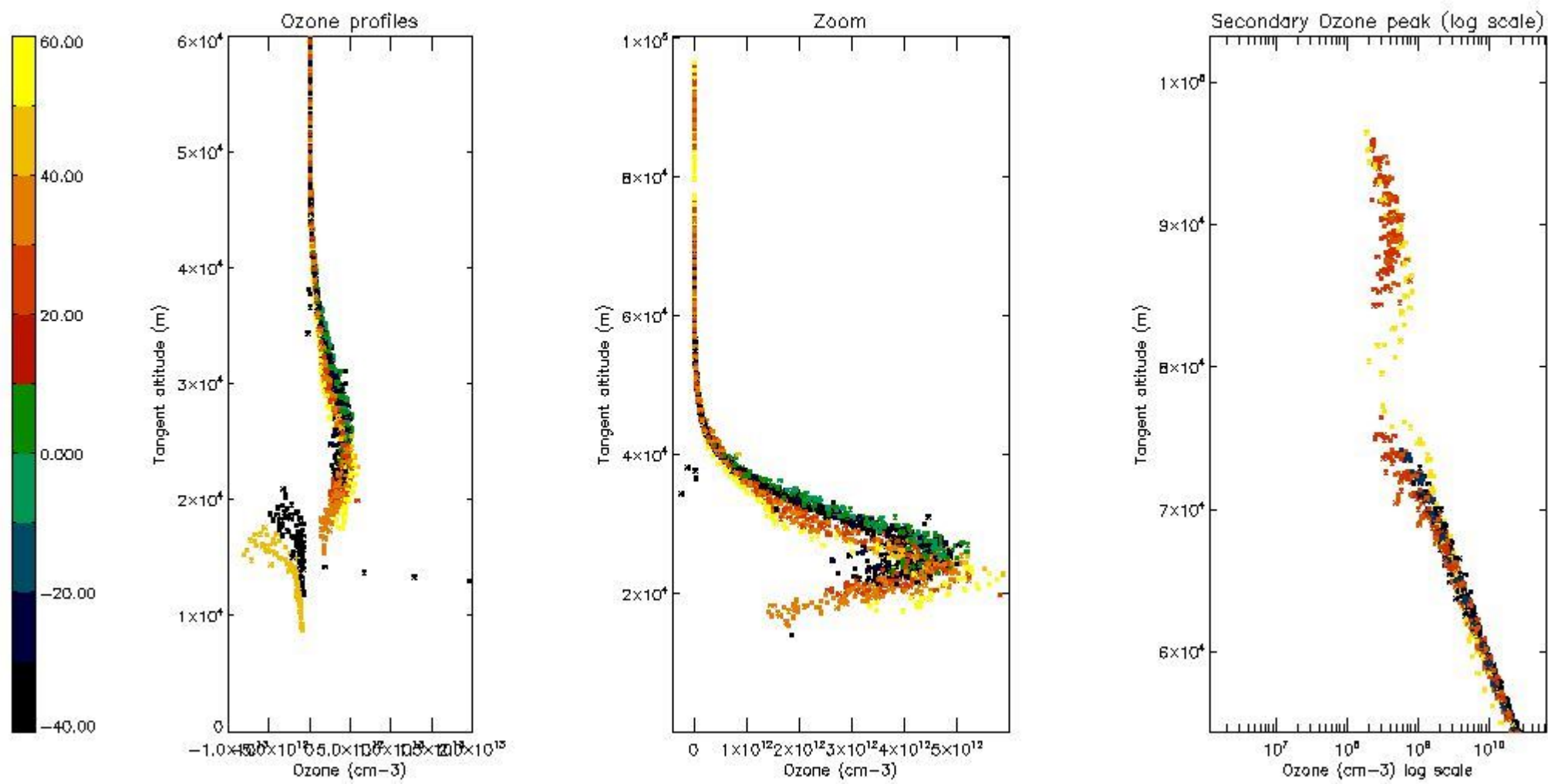
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



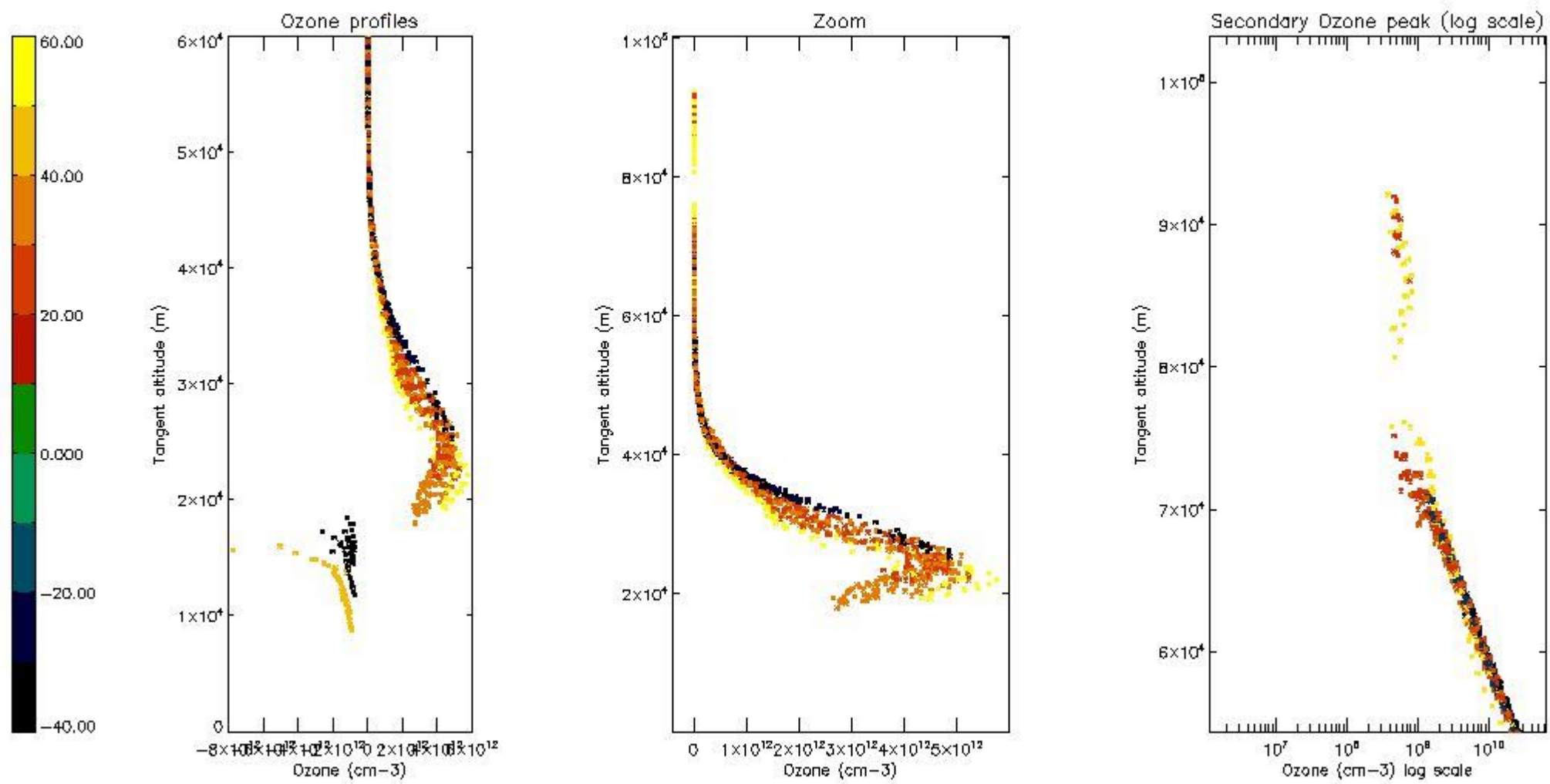
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



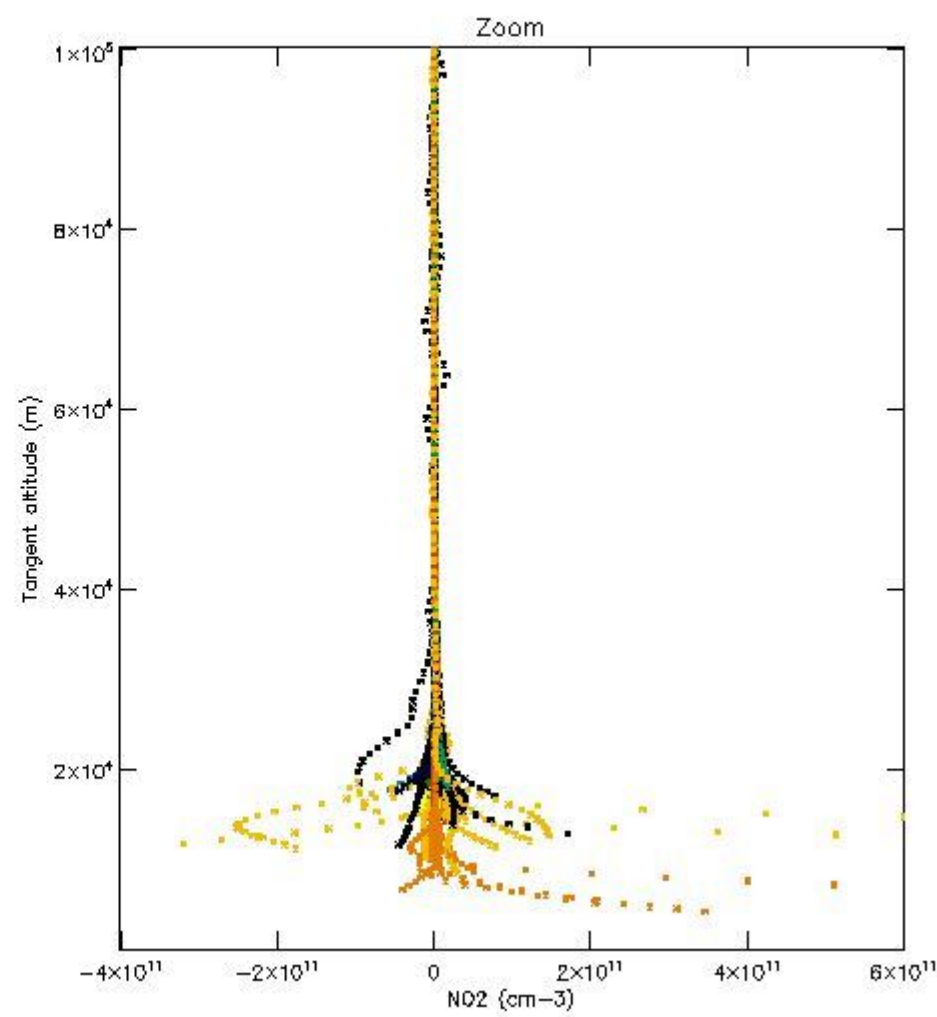
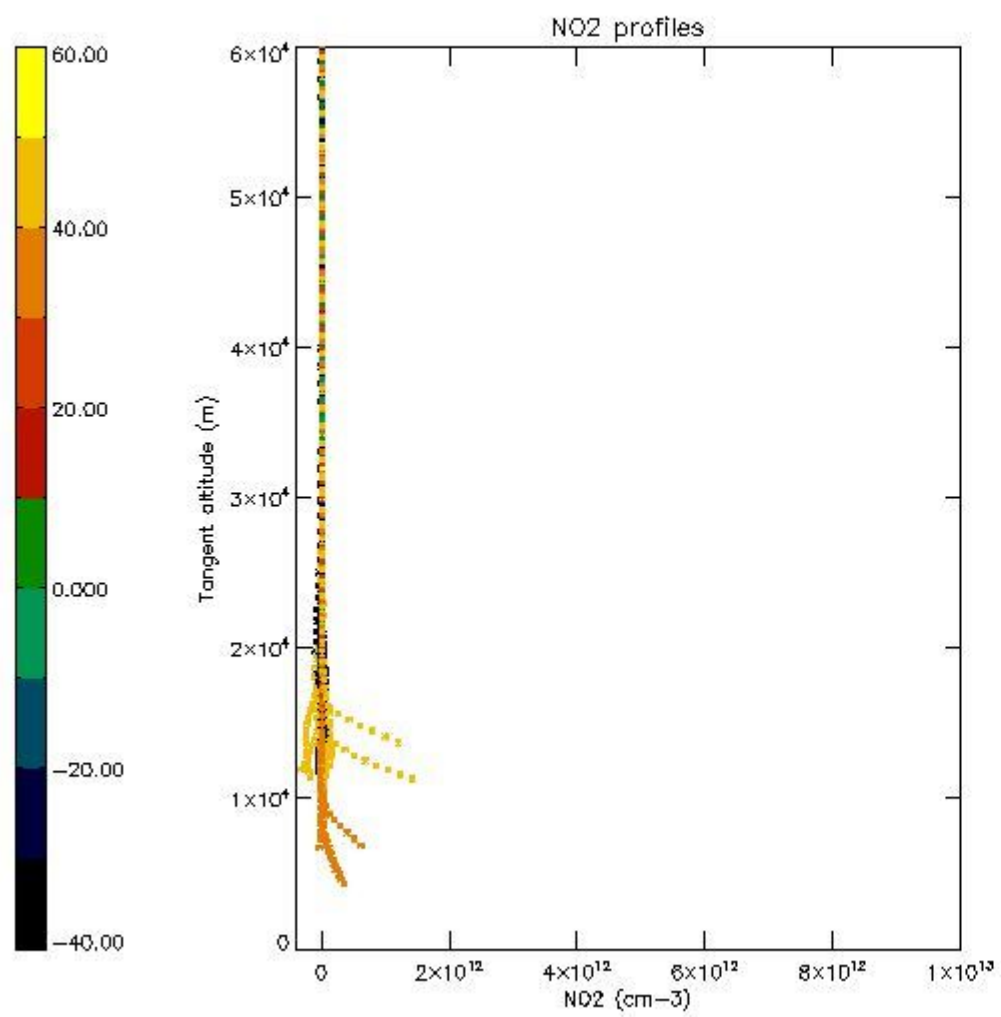
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



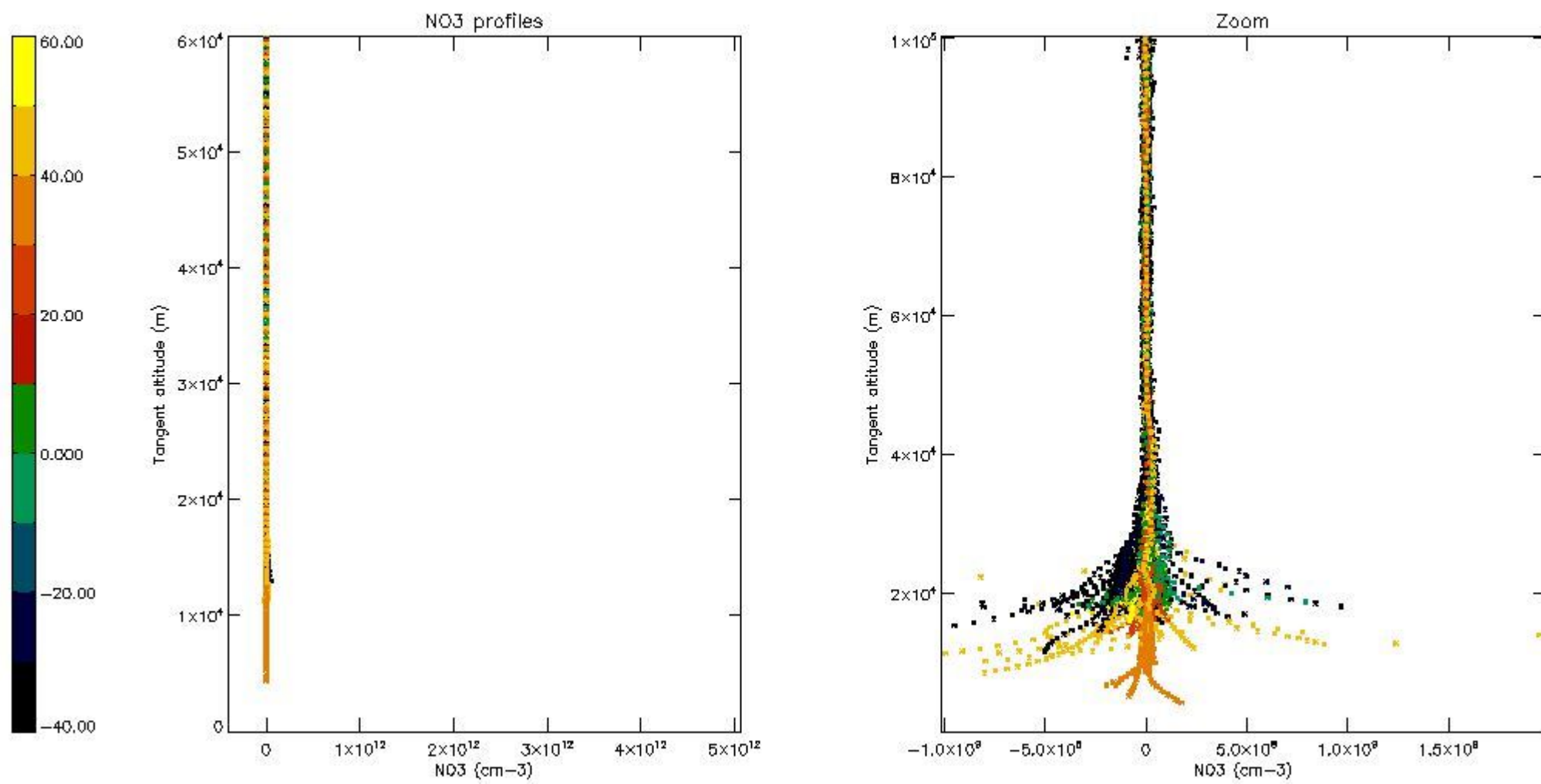
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



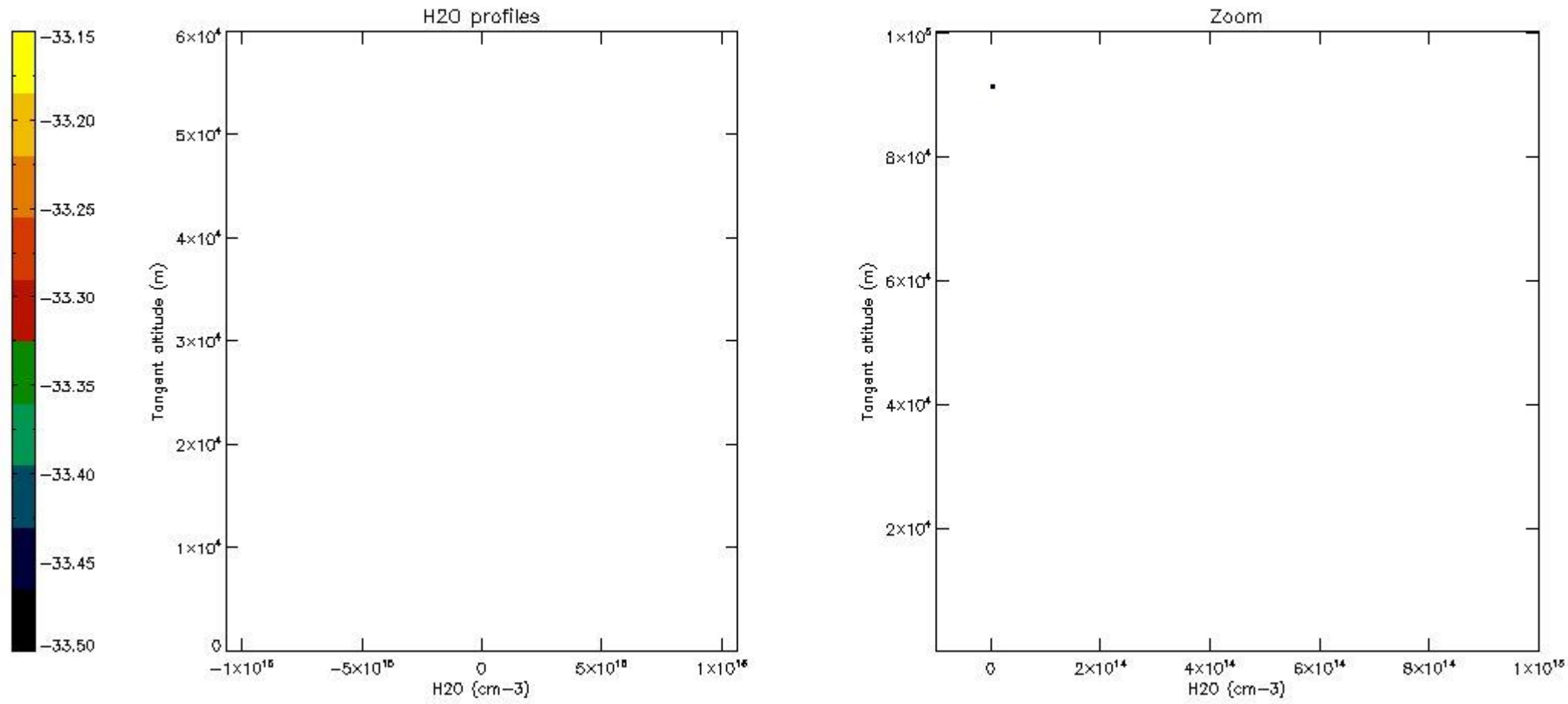
5.7 Plot NO3 profiles for all STD (dark without errors)

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	11-DEC-2010 00:02:07
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	11-DEC-2010 00:02:07
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	11-DEC-2010 00:02:07

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	29APR2013 16:52:33
Data source version	GOMOS/6.01
Start time of products	11-12-2010 (11DEC2010 00:00:00)
Stop time of products	12-12-2010 (12DEC2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	356
Nb of prods with errors	1

2. Summary of processed GOM_NL__2P products.

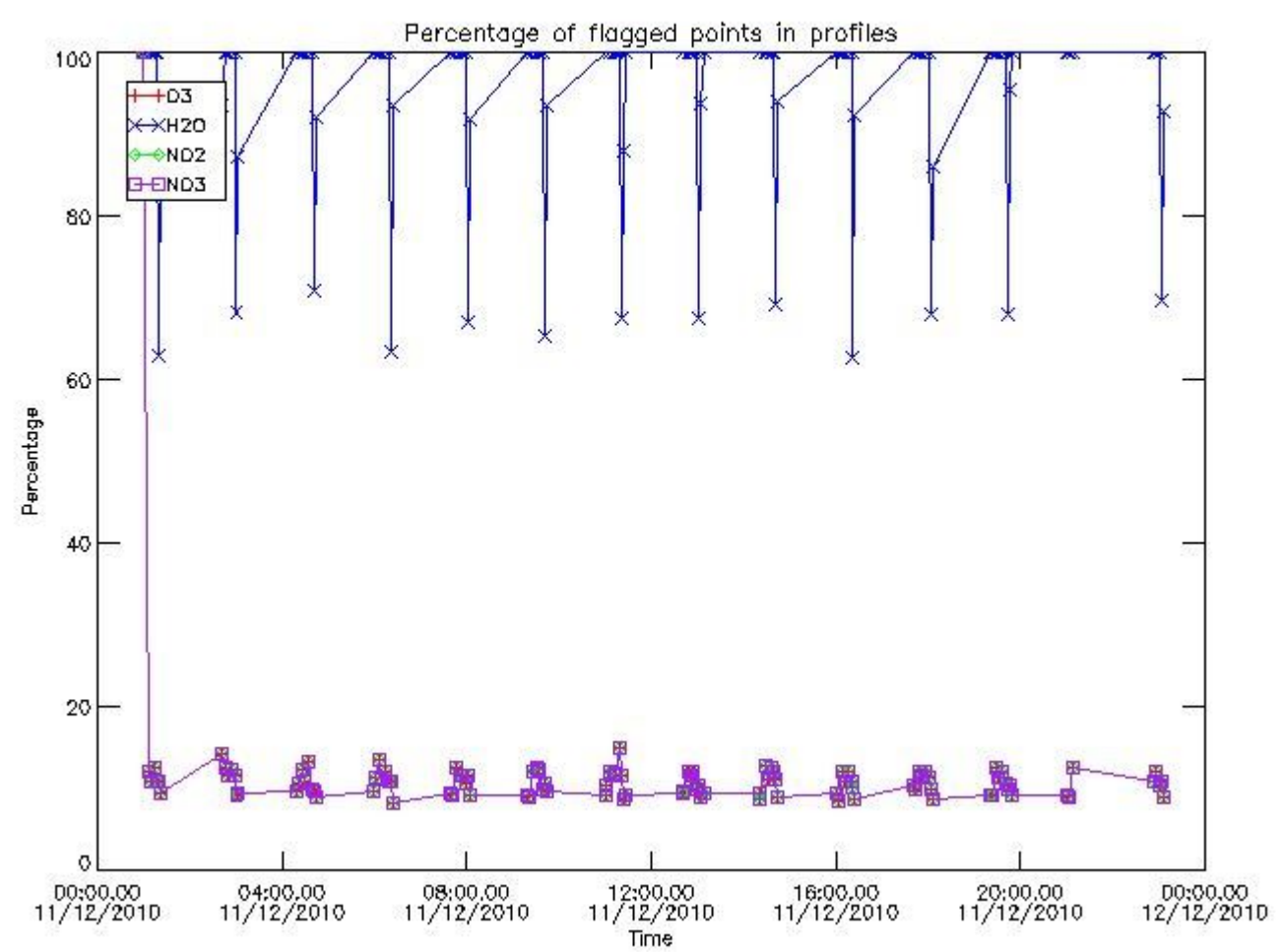
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20101211_000207_000000533097_00203_45907_3185.N1	11-DEC-2010 00:02:07	Twilight	53.000	13	87Alp Tau	0.86700	3800.0	106	45907	No
2	GOM_NL__2PRFIN20101211_000620_000000373097_00203_45907_3186.N1	11-DEC-2010 00:06:20	Bright	36.500	150	44Zet Per	2.8900	28000.	73	45907	No
3	GOM_NL__2PRFIN20101211_000840_000000363097_00203_45907_3187.N1	11-DEC-2010 00:08:40	Bright	35.500	149	45Eps Per	2.8880	30000.	71	45907	No
4	GOM_NL__2PRFIN20101211_001041_000000333097_00203_45907_3188.N1	11-DEC-2010 00:10:41	Twilight	33.000	107	37The Aur	2.6490	11000.	66	45907	No
5	GOM_NL__2PRFIN20101211_001247_000000463097_00203_45907_3189.N1	11-DEC-2010 00:12:47	Bright	46.000	42	34Bet Aur	1.9000	10200.	92	45907	No
6	GOM_NL__2PRFIN20101211_002807_000000473097_00203_45907_3190.N1	11-DEC-2010 00:28:07	Bright	46.500	36	50Alp UMa	1.8000	6300.0	93	45907	No
7	GOM_NL__2PRFIN20101211_003159_000000603097_00203_45907_3191.N1	11-DEC-2010 00:31:59	Bright	60.000	32	77Eps UMa	1.7630	11000.	120	45907	No
8	GOM_NL__2PRFIN20101211_003422_000000563097_00203_45907_3192.N1	11-DEC-2010 00:34:22	Bright	56.000	39	85Eta UMa	1.8540	24000.	112	45907	No
9	GOM_NL__2PRFIN20101211_003733_000000543097_00203_45907_3193.N1	11-DEC-2010 00:37:33	Bright	54.000	180	27Gam Boo	3.0400	8000.0	108	45907	No
10	GOM_NL__2PRFIN20101211_004349_000000393097_00203_45907_3194.N1	11-DEC-2010 00:43:49	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	45907	No
11	GOM_NL__2PRFIN20101211_004724_000000483097_00203_45907_3195.N1	11-DEC-2010 00:47:24	Bright	47.500	138	47Eps Vir	2.8280	4700.0	95	45907	No
12	GOM_NL__2PRFIN20101211_005317_000000603097_00203_45907_3196.N1	11-DEC-2010 00:53:17	Twilight	60.000	15	67Alp Vir	0.97600	28000.	120	45907	No
13	GOM_NL__2PRFIN20101211_005645_000000433097_00203_45907_3197.N1	11-DEC-2010 00:56:45	Twilight	43.000	169	46Gam Hya	2.9910	4700.0	86	45907	No
14	GOM_NL__2PRFIN20101211_010010_000000563097_00203_45907_3198.N1	11-DEC-2010 01:00:10	Dark	56.000	171	2Eps Crv	3.0010	4250.0	112	45907	No
15	GOM_NL__2PRFIN20101211_010542_000000423097_00203_45907_3199.N1	11-DEC-2010 01:05:42	Dark	41.500	99	Del Cen	2.5750	26000.	83	45907	No
16	GOM_NL__2PRFIN20101211_010917_000000473097_00204_45908_3188.N1	11-DEC-2010 01:09:17	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	45908	No
17	GOM_NL__2PRFIN20101211_011322_000000413097_00204_45908_3189.N1	11-DEC-2010 01:13:22	Dark	41.000	71	Iot Car	2.2460	7700.0	82	45908	No
18	GOM_NL__2PRFIN20101211_011752_000000473097_00204_45908_3190.N1	11-DEC-2010 01:17:52	Dark	47.000	34	Gam2Vel	1.7930	23000.	94	45908	No
19	GOM_NL__2PRFIN20101211_012024_000000483097_00204_45908_3191.N1	11-DEC-2010 01:20:24	Dark	47.500	2	Alp Car	-0.73600	7000.0	95	45908	No
20	GOM_NL__2PRFIN20101211_012252_000000543097_00204_45908_3192.N1	11-DEC-2010 01:22:52	Dark	54.000	117	Pi Pup	2.7060	3800.0	108	45908	No
21	GOM_NL__2PRFIN20101211_012617_000000603097_00204_45908_3193.N1	11-DEC-2010 01:26:17	Straylight	60.000	23	21Eps CMa	1.5020	26000.	120	45908	No
22	GOM_NL__2PRFIN20101211_013112_000000563097_00204_45908_3194.N1	11-DEC-2010 01:31:12	Straylight	55.500	47	2Bet CMa	1.9760	28000.	111	45908	No
23	GOM_NL__2PRFIN20101211_013453_000000543097_00204_45908_3195.N1	11-DEC-2010 01:34:53	Straylight	53.500	7	19Bet Ori	0.10000	14000.	107	45908	No
24	GOM_NL__2PRFIN20101211_013719_000000523097_00204_45908_3196.N1	11-DEC-2010 01:37:19	Straylight	51.500	30	46Eps Ori	1.6940	30000.	103	45908	No
25	GOM_NL__2PRFIN20101211_013945_000000533097_00204_45908_3197.N1	11-DEC-2010 01:39:45	Twilight	53.000	27	24Gam Ori	1.6360	26000.	106	45908	No
26	GOM_NL__2PRFIN20101211_014221_000000513097_00204_45908_3198.N1	11-DEC-2010 01:42:21	Twilight	50.500	13	87Alp Tau	0.86700	3800.0	101	45908	No
27	GOM_NL__2PRFIN20101211_014634_000000363097_00204_45908_3199.N1	11-DEC-2010 01:46:34	Bright	36.000	150	44Zet Per	2.8900	28000.	72	45908	No
28	GOM_NL__2PRFIN20101211_014854_000000363097_00204_45908_3200.N1	11-DEC-2010 01:48:54	Bright	35.500	149	45Eps Per	2.8880	30000.	71	45908	No
29	GOM_NL__2PRFIN20101211_015054_000000393097_00204_45908_3201.N1	11-DEC-2010 01:50:54	Bright	39.000	107	37The Aur	2.6490	11000.	78	45908	No
30	GOM_NL__2PRFIN20101211_015300_000000453097_00204_45908_3202.N1	11-DEC-2010 01:53:00	Bright	44.500	42	34Bet Aur	1.9000	10200.	89	45908	No
31	GOM_NL__2PRFIN20101211_020820_000000473097_00204_45908_3203.N1	11-DEC-2010 02:08:20	Bright	46.500	36	50Alp UMa	1.8000	6300.0	93	45908	No
32	GOM_NL__2PRFIN20101211_021213_000000433097_00204_45908_3204.N1	11-DEC-2010 02:12:13	Bright	42.500	32	77Eps UMa	1.7630	11000.	85	45908	No
33	GOM_NL__2PRFIN20101211_021436_000000563097_00204_45908_3205.N1	11-DEC-2010 02:14:36	Bright	56.000	39	85Eta UMa	1.8540	24000.	112	45908	No
34	GOM_NL__2PRFIN20101211_021747_000000543097_00204_45908_3206.N1	11-DEC-2010 02:17:47	Bright	54.000	180	27Gam Boo	3.0400	8000.0	108	45908	No
35	GOM_NL__2PRFIN20101211_022404_000000383097_00204_45908_3207.N1	11-DEC-2010 02:24:04	Bright	38.000	111	8Eta Boo	2.6800	6000.0	76	45908	No
36	GOM_NL__2PRFIN20101211_022738_000000483097_00204_45908_3208.N1	11-DEC-2010 02:27:38	Bright	47.500	138	47Eps Vir	2.8280	4700.0	95	45908	No
37	GOM_NL__2PRFIN20101211_023331_000000513097_00204_45908_3209.N1	11-DEC-2010 02:33:31	Twilight	51.000	15	67Alp Vir	0.97600	28000.	102	45908	No
38	GOM_NL__2PRFIN20101211_024025_000000543097_00204_45908_3210.N1	11-DEC-2010 02:40:25	Dark	53.500	171	2Eps Crv	3.0010	4250.0	107	45908	No
39	GOM_NL__2PRFIN20101211_024557_000000403097_00204_45908_3211.N1	11-DEC-2010 02:45:57	Dark	40.000	99	Del Cen	2.5750	26000.	80	45908	No
40	GOM_NL__2PRFIN20101211_024932_000000443097_00205_45909_3204.N1	11-DEC-2010 02:49:32	Dark	44.000	113	Mu Vel	2.6920	5000.0	88	45909	No
41	GOM_NL__2PRFIN20101211_025337_000000423097_00205_45909_3205.N1	11-DEC-2010 02:53:37	Dark	41.500	71	Iot Car	2.2460	7700.0	83	45909	No
42	GOM_NL__2PRFIN20101211_025807_000000493097_00205_45909_3206.N1	11-DEC-2010 02:58:07	Dark	48.500	34	Gam2Vel	1.7930	23000.	97	45909	No

338	GOM_NL__2PRFIN20101211_225230_000000473097_00217_45921_3490.N1	11-DEC-2010 22:52:30	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	45921	No
339	GOM_NL__2PRFIN20101211_225632_000000423097_00217_45921_3491.N1	11-DEC-2010 22:56:32	Dark	42.000	71	Iot Car	2.2460	7700.0	84	45921	No
340	GOM_NL__2PRFIN20101211_230104_000000503097_00217_45921_3492.N1	11-DEC-2010 23:01:04	Dark	49.500	34	Gam2Vel	1.7930	23000.	99	45921	No
341	GOM_NL__2PRFIN20101211_230331_000000473097_00217_45921_3493.N1	11-DEC-2010 23:03:31	Dark	46.500	2	Alp Car	-0.73600	7000.0	93	45921	No
342	GOM_NL__2PRFIN20101211_230602_000000573097_00217_45921_3494.N1	11-DEC-2010 23:06:02	Dark	56.500	117	Pi Pup	2.7060	3800.0	113	45921	No
343	GOM_NL__2PRFIN20101211_230925_000000553097_00217_45921_3495.N1	11-DEC-2010 23:09:25	Straylight	54.500	23	21Eps CMa	1.5020	26000.	109	45921	No
344	GOM_NL__2PRFIN20101211_231416_000000543097_00217_45921_3496.N1	11-DEC-2010 23:14:16	Straylight	54.000	47	2Bet CMa	1.9760	28000.	108	45921	No
345	GOM_NL__2PRFIN20101211_231755_000000593097_00217_45921_3497.N1	11-DEC-2010 23:17:55	Straylight	59.000	7	19Bet Ori	0.10000	14000.	118	45921	No
346	GOM_NL__2PRFIN20101211_232019_000000543097_00217_45921_3498.N1	11-DEC-2010 23:20:19	Straylight	53.500	30	46Eps Ori	1.6940	30000.	107	45921	No
347	GOM_NL__2PRFIN20101211_232244_000000523097_00217_45921_3499.N1	11-DEC-2010 23:22:44	Tw_i_and_stray	51.500	27	24Gam Ori	1.6360	26000.	103	45921	No
348	GOM_NL__2PRFIN20101211_232522_000000503097_00217_45921_3500.N1	11-DEC-2010 23:25:22	Tw_i_and_stray	49.500	13	87Alp Tau	0.86700	3800.0	99	45921	No
349	GOM_NL__2PRFIN20101211_232756_000000453097_00217_45921_3501.N1	11-DEC-2010 23:27:56	Bright	44.500	176	23Zet Tau	3.0200	22000.	89	45921	No
350	GOM_NL__2PRFIN20101211_232936_000000373097_00217_45921_3502.N1	11-DEC-2010 23:29:36	Bright	37.000	150	44Zet Per	2.8900	28000.	74	45921	No
351	GOM_NL__2PRFIN20101211_233155_000000373097_00217_45921_3503.N1	11-DEC-2010 23:31:55	Bright	37.000	149	45Eps Per	2.8880	30000.	74	45921	No
352	GOM_NL__2PRFIN20101211_233347_000000303097_00217_45921_3504.N1	11-DEC-2010 23:33:47	Tw_i_and_stray	30.000	107	37The Aur	2.6490	11000.	60	45921	No
353	GOM_NL__2PRFIN20101211_233447_000000433097_00217_45921_3505.N1	11-DEC-2010 23:34:47	Bright	42.500	6	13Alp Aur	0.080000	3400.0	85	45921	No
354	GOM_NL__2PRFIN20101211_235117_000000473097_00217_45921_3506.N1	11-DEC-2010 23:51:17	Bright	47.000	36	50Alp UMa	1.8000	6300.0	94	45921	No
355	GOM_NL__2PRFIN20101211_235513_000000603097_00217_45921_3507.N1	11-DEC-2010 23:55:13	Bright	60.000	32	77Eps UMa	1.7630	11000.	120	45921	No
356	GOM_NL__2PRFIN20101211_235739_000000573097_00217_45921_3508.N1	11-DEC-2010 23:57:39	Bright	57.000	39	85Eta UMa	1.8540	24000.	114	45921	No

3. Quality information per product

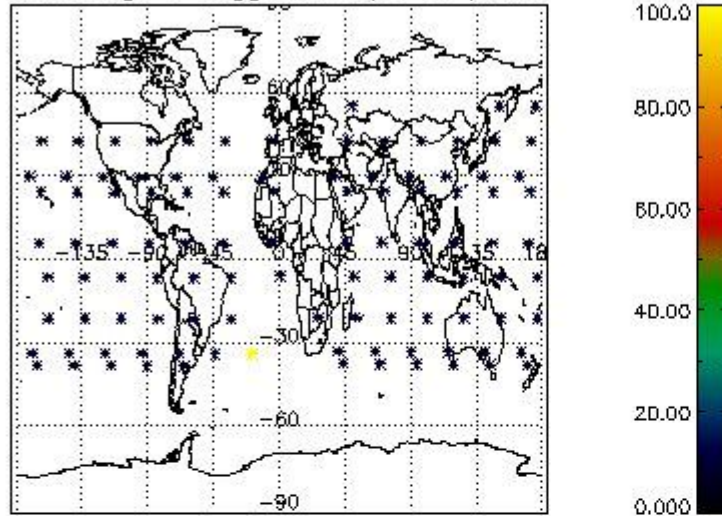
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

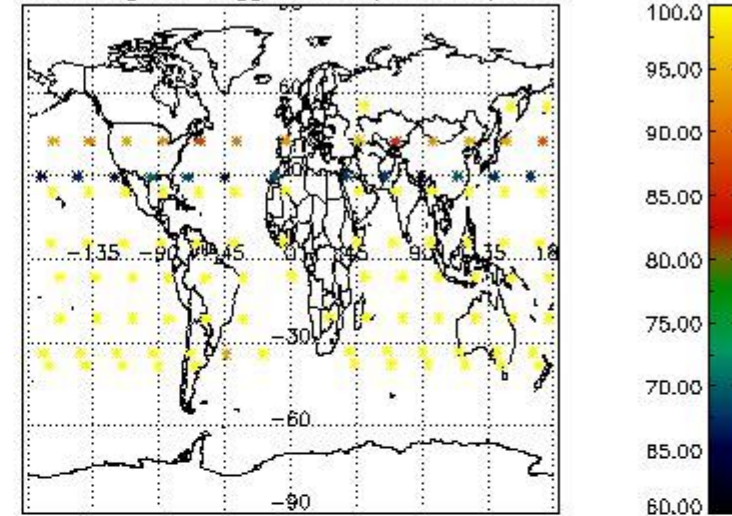


3.2 Plot quality information per product (world map)

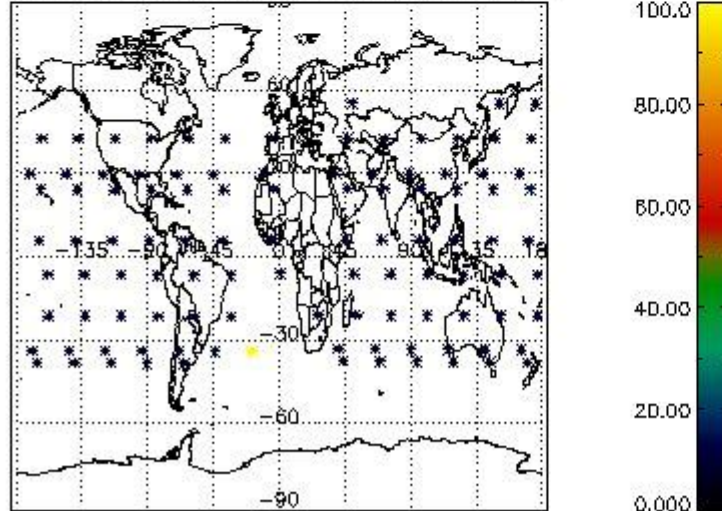
Percentage of flagged data per O3 profile



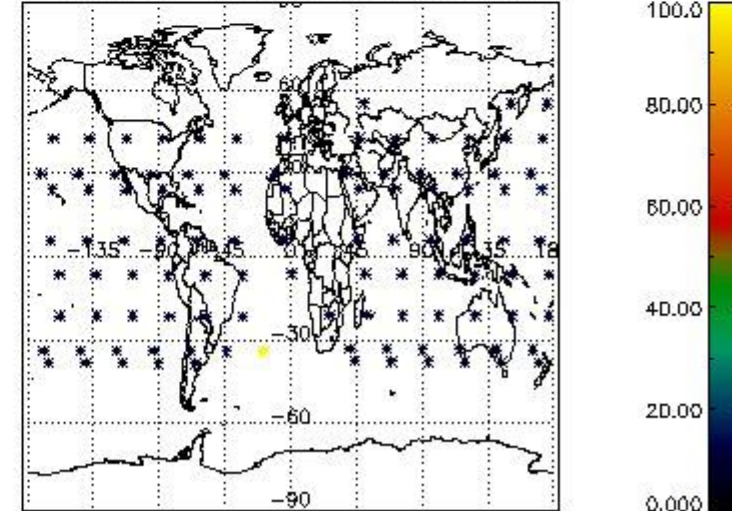
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

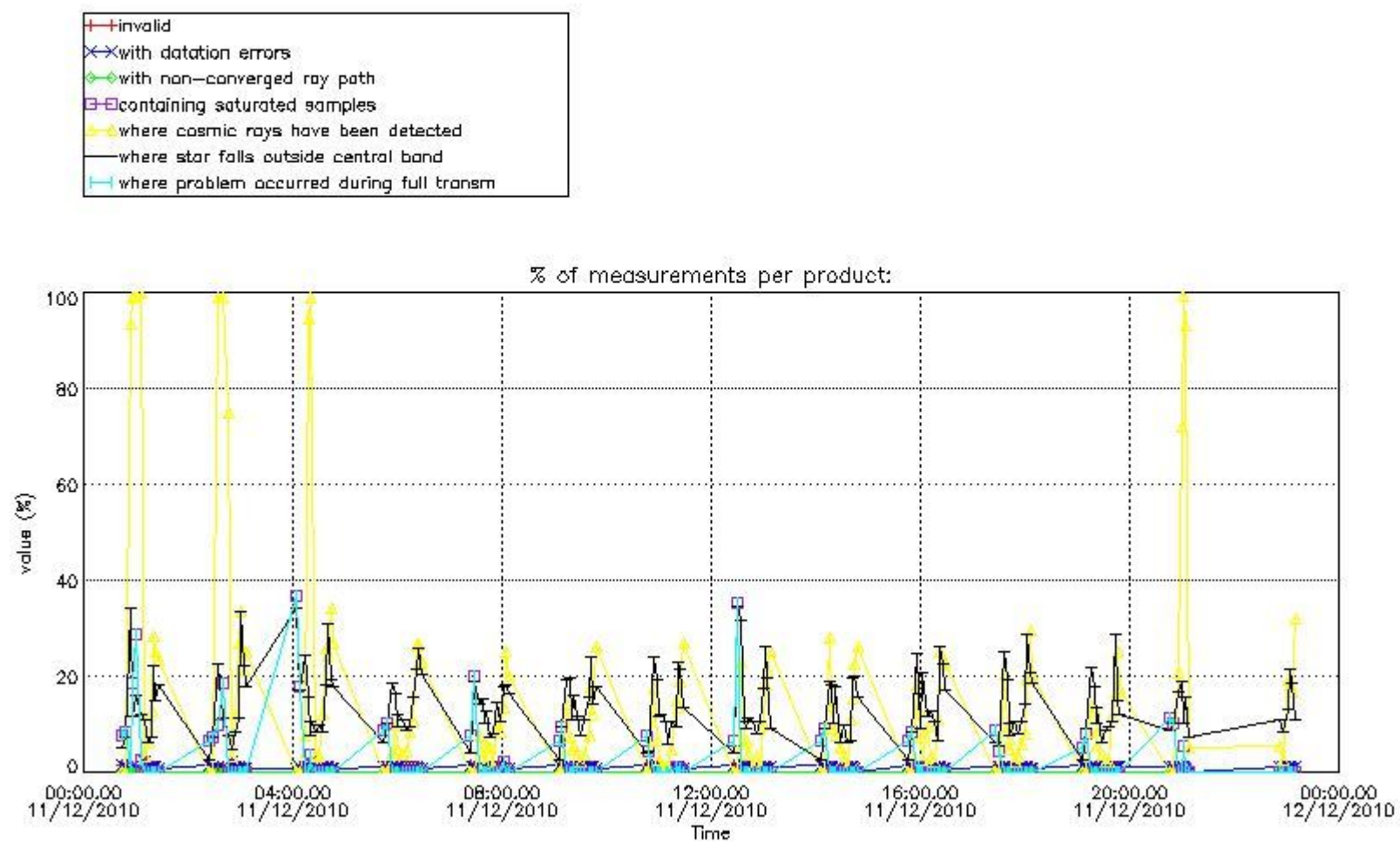


4. Level 1 quality information per product

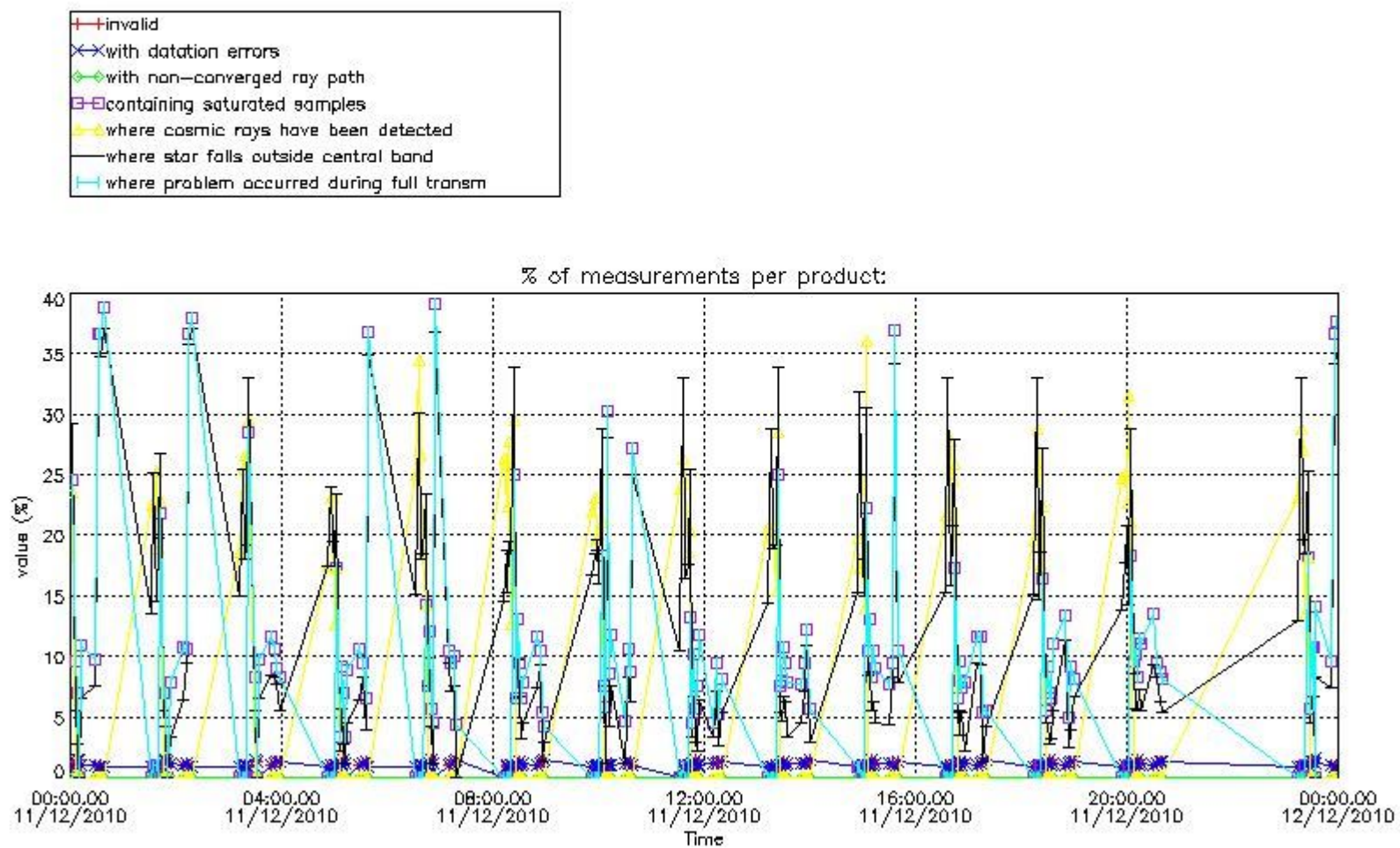
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



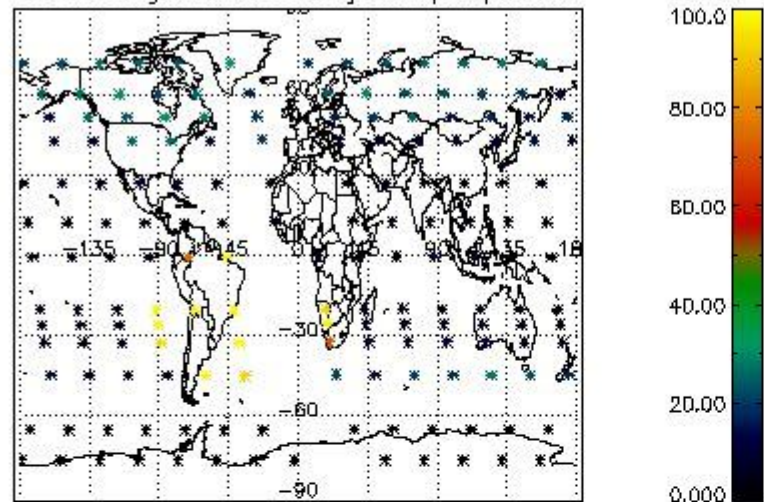
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



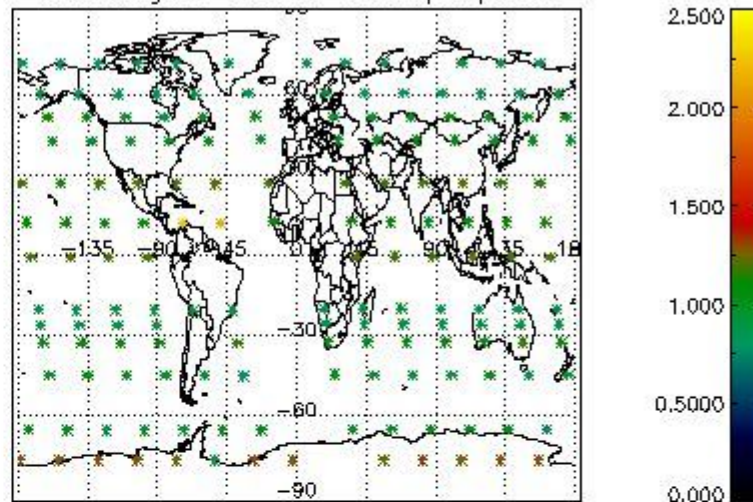
4.2 Plot quality information per product coming from level 1b processing (world map)

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

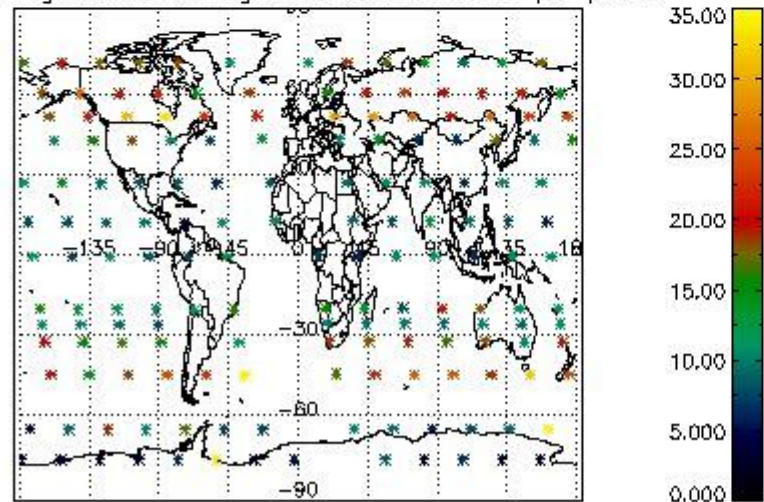
Percentage of cosmic ray hits per profile



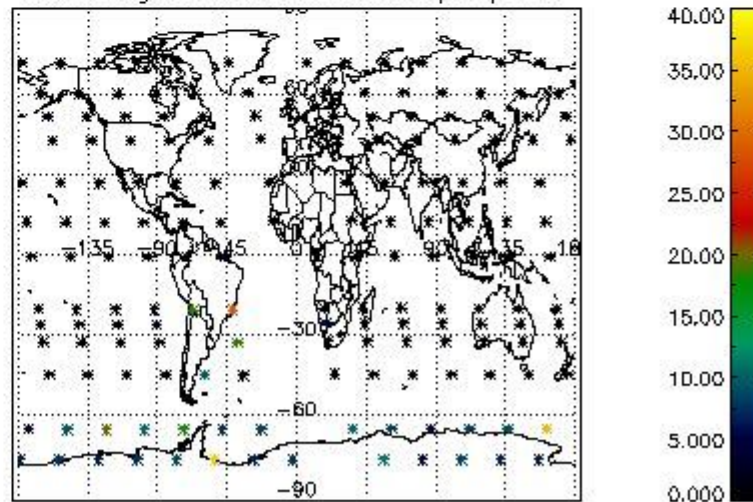
Percentage of datation errors per profile



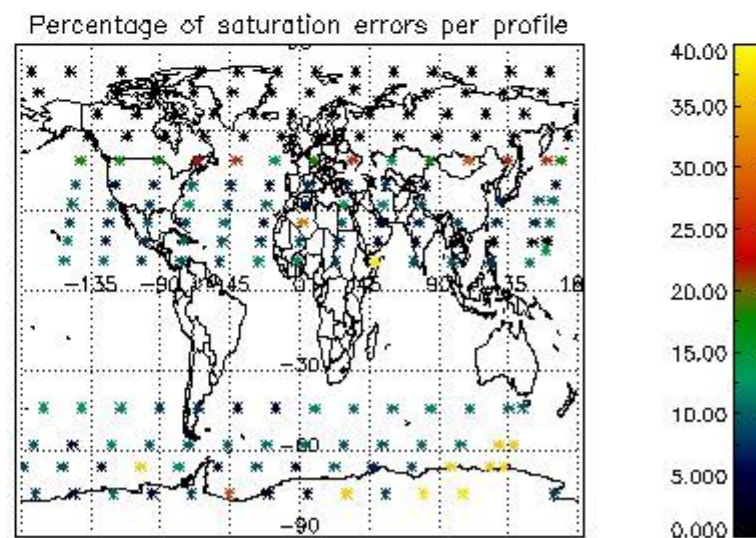
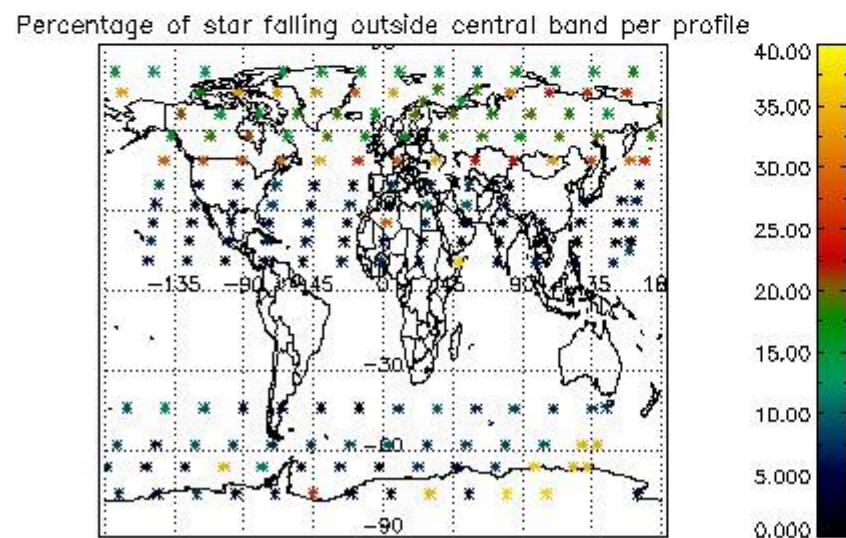
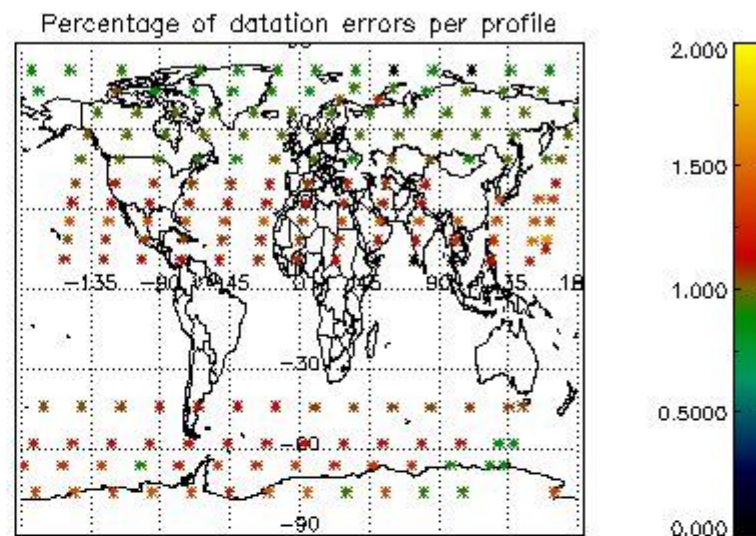
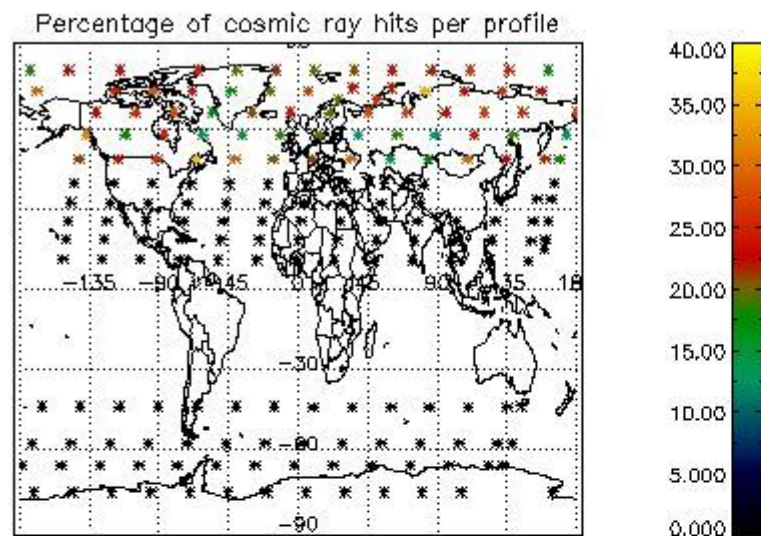
Percentage of star falling outside central band per profile



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

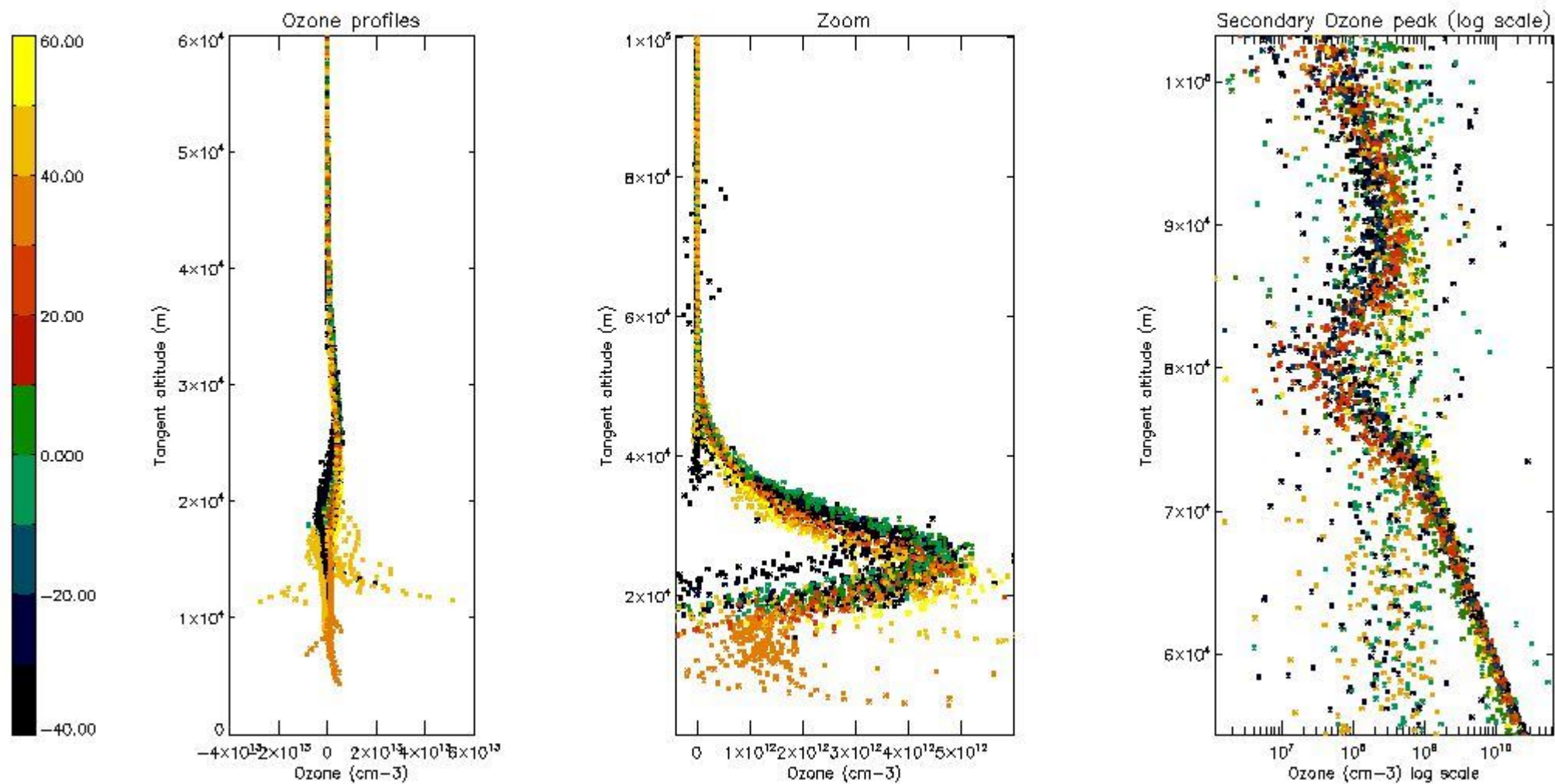
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	31
STD < 20	14

STD < 10	10
STD < 5	7

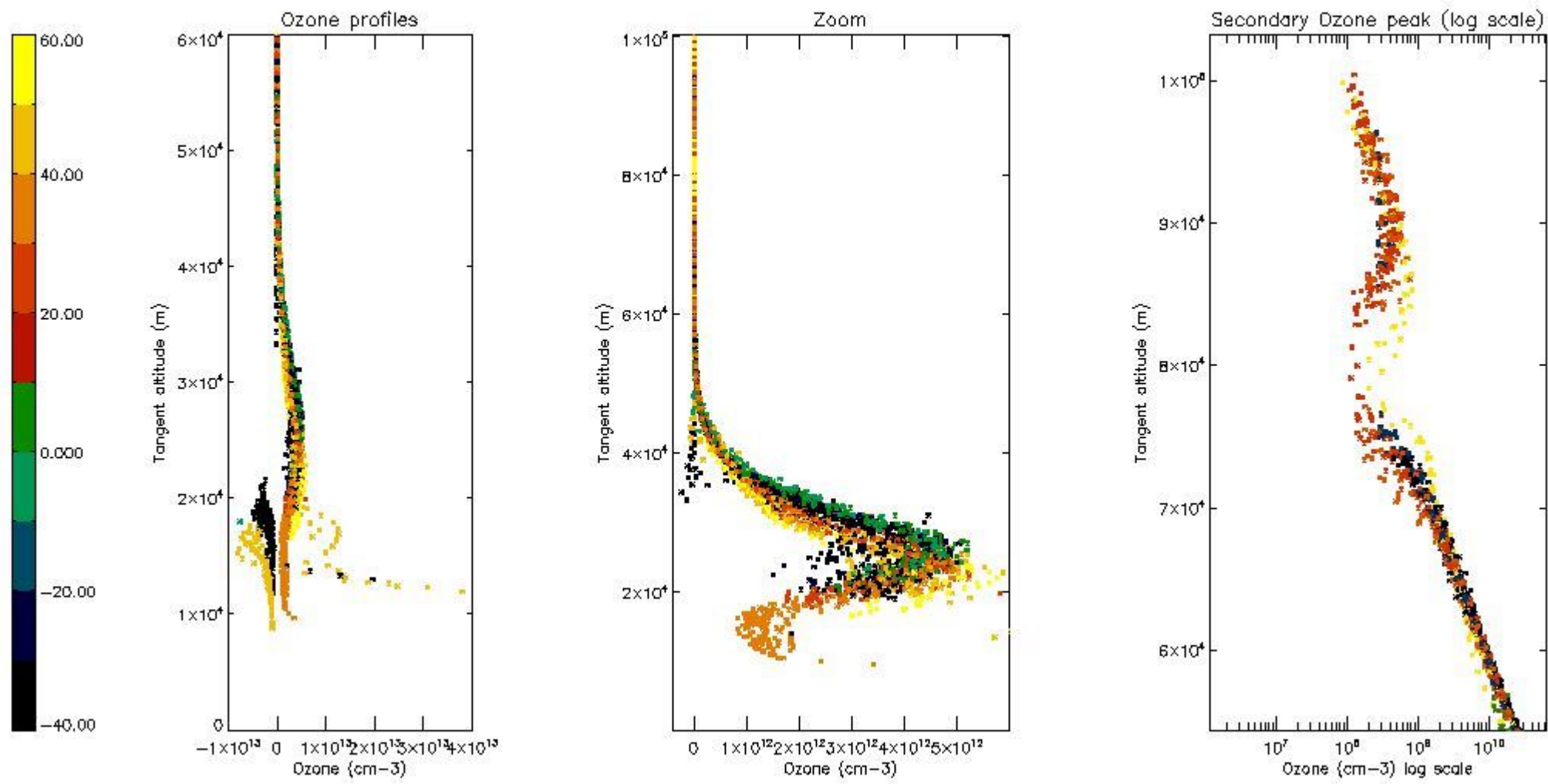
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



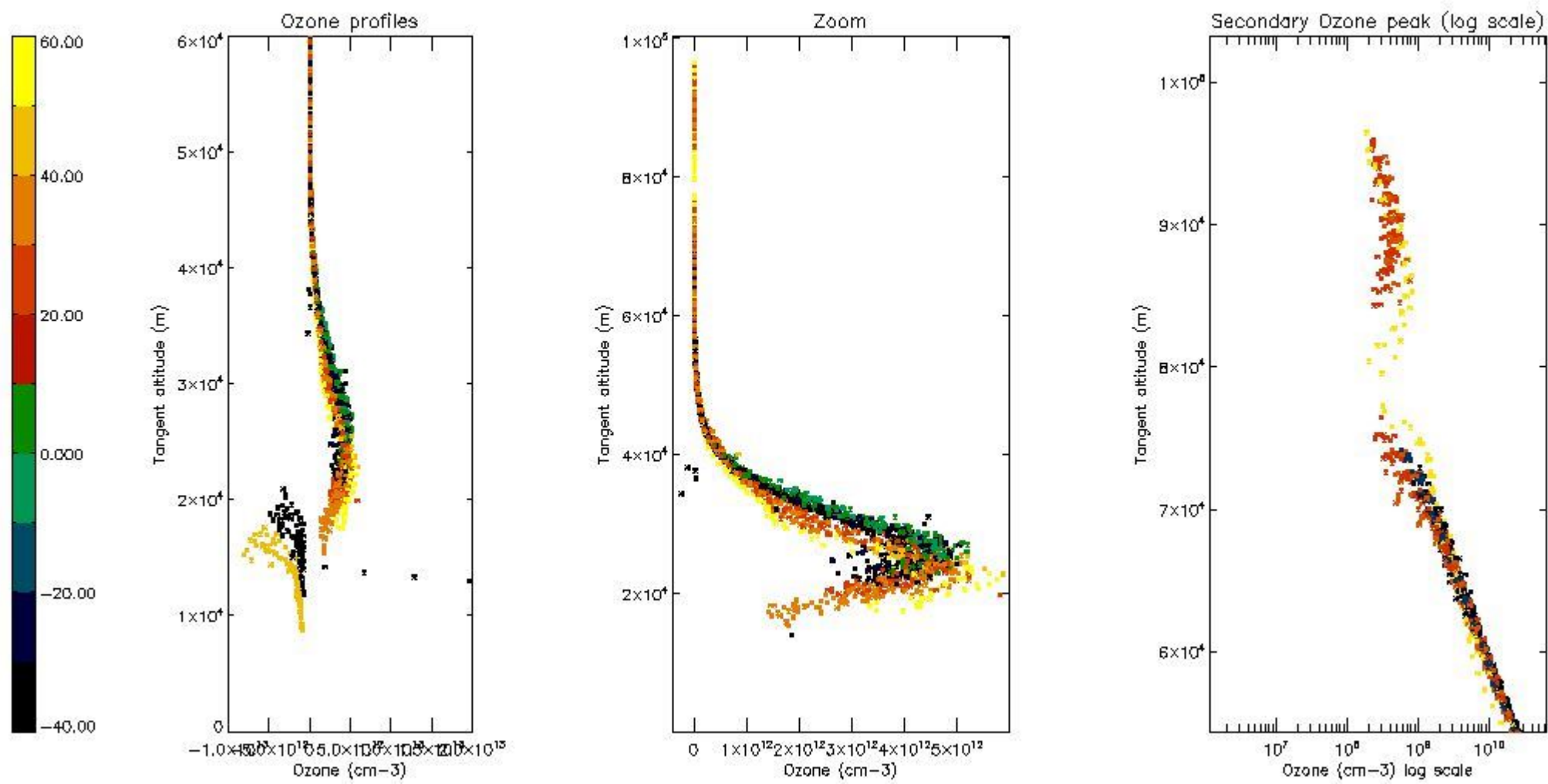
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



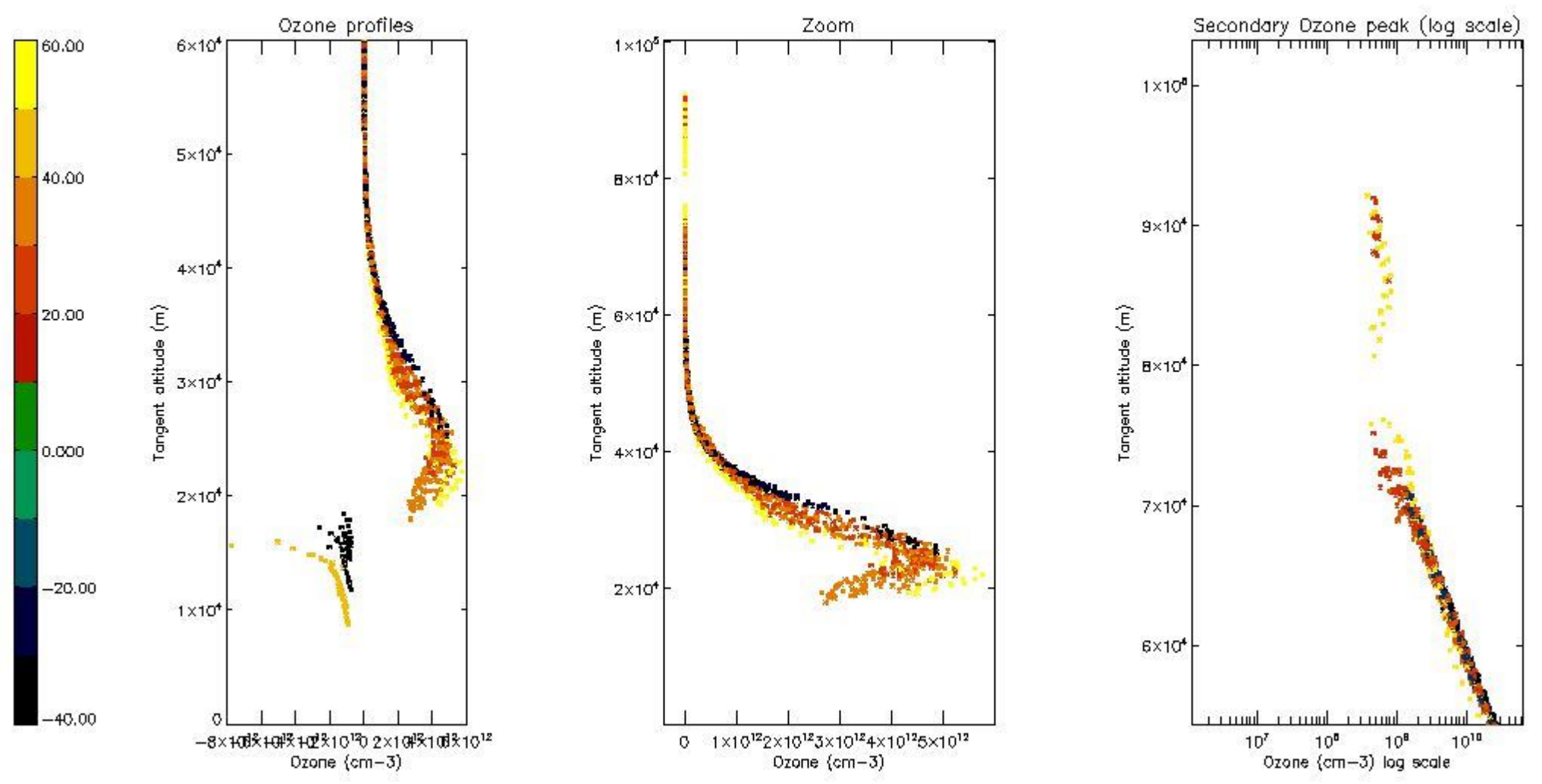
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



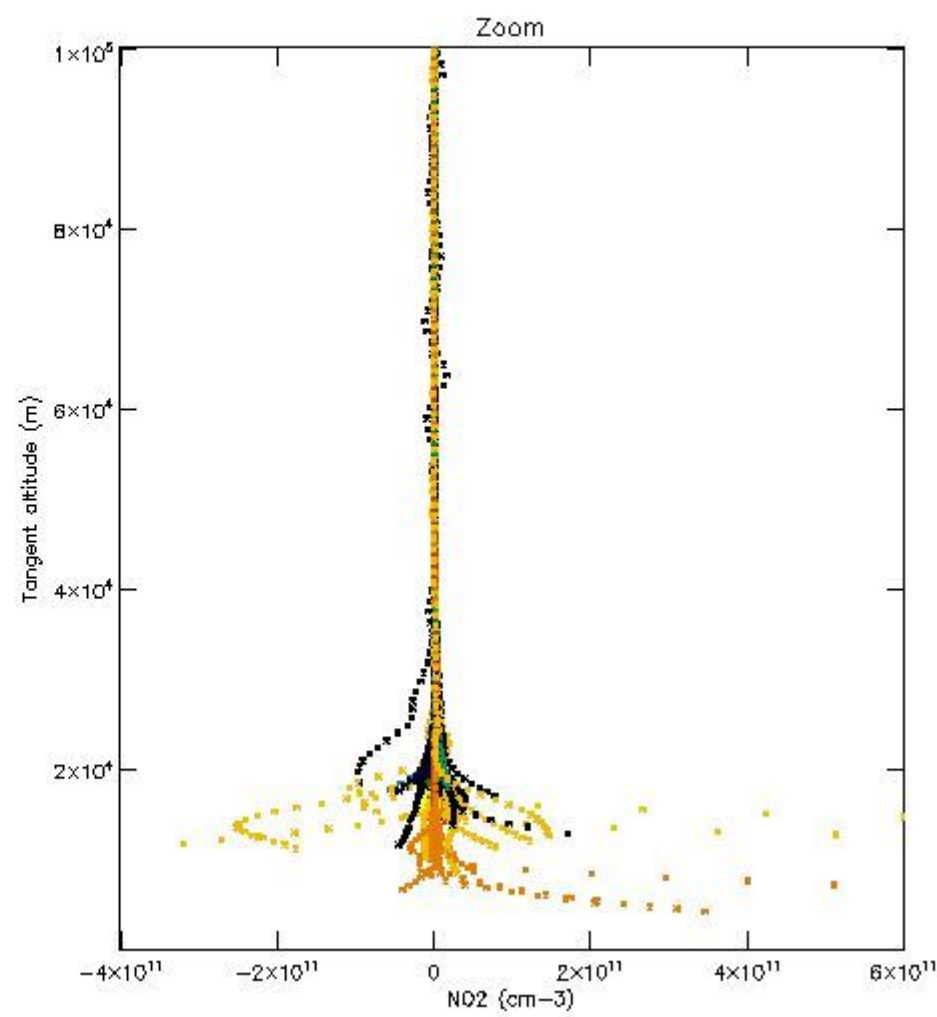
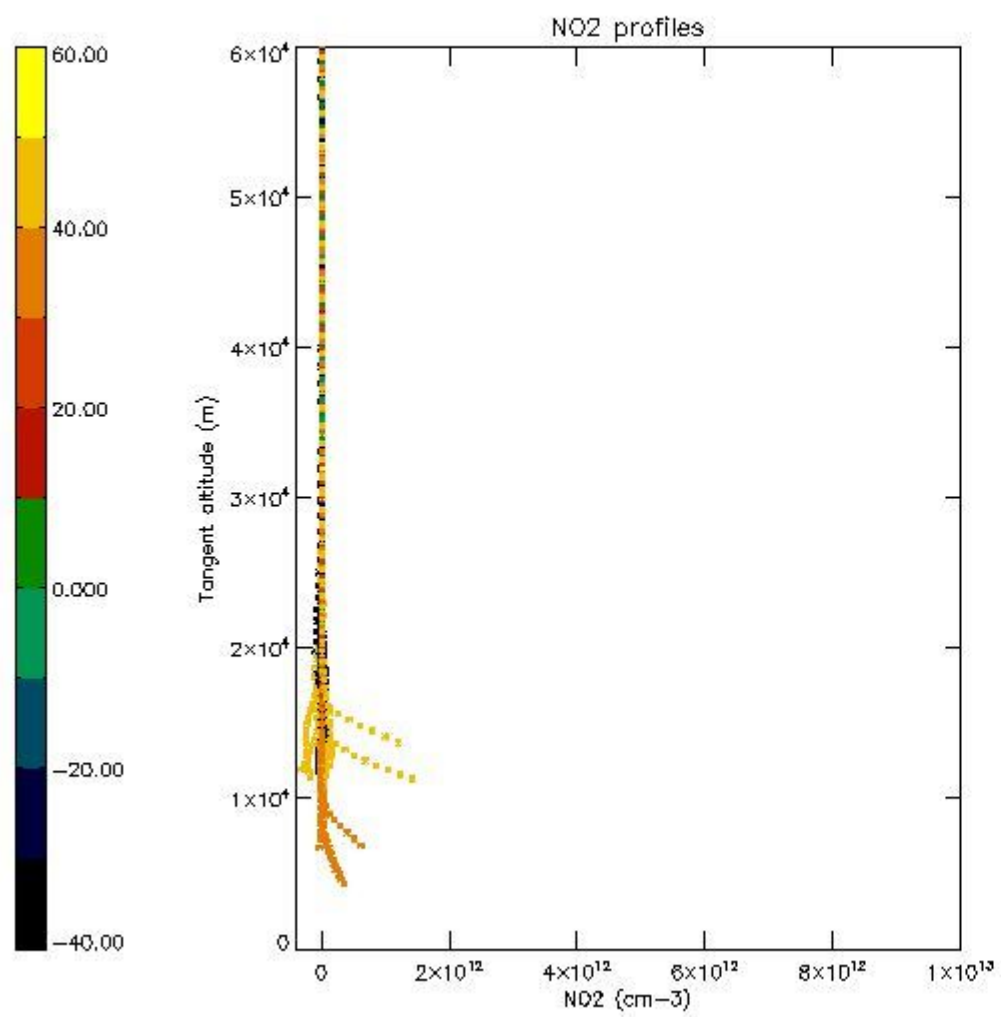
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



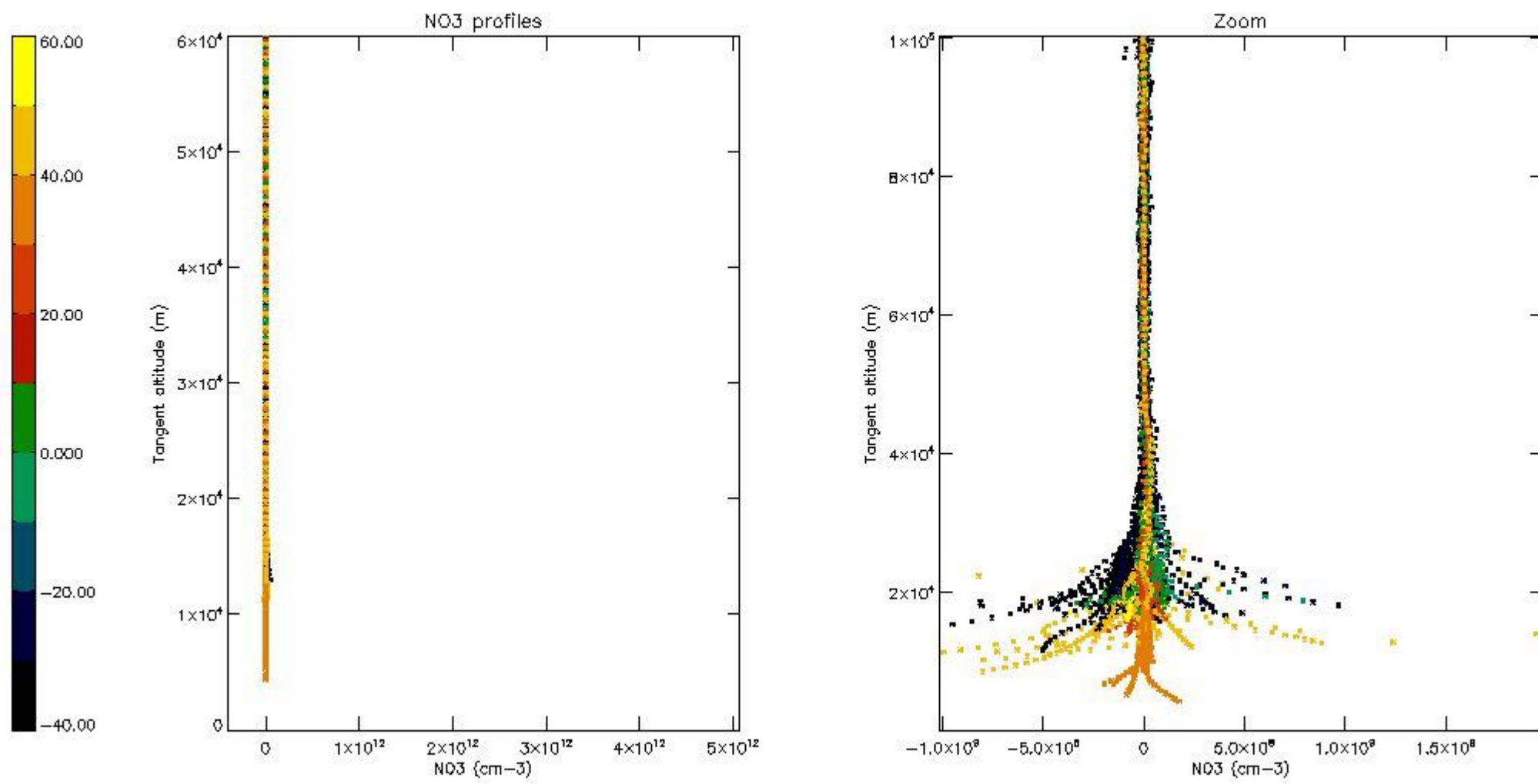
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



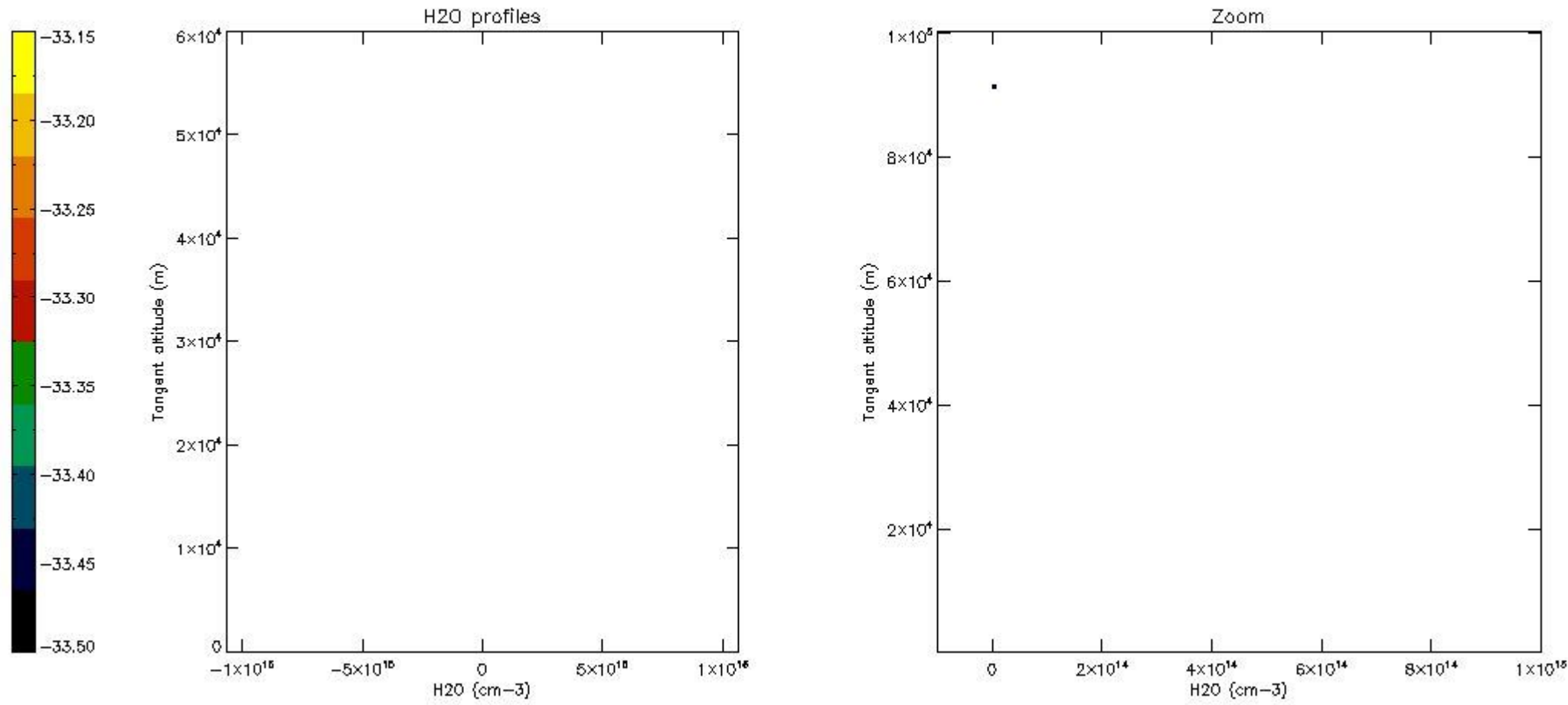
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

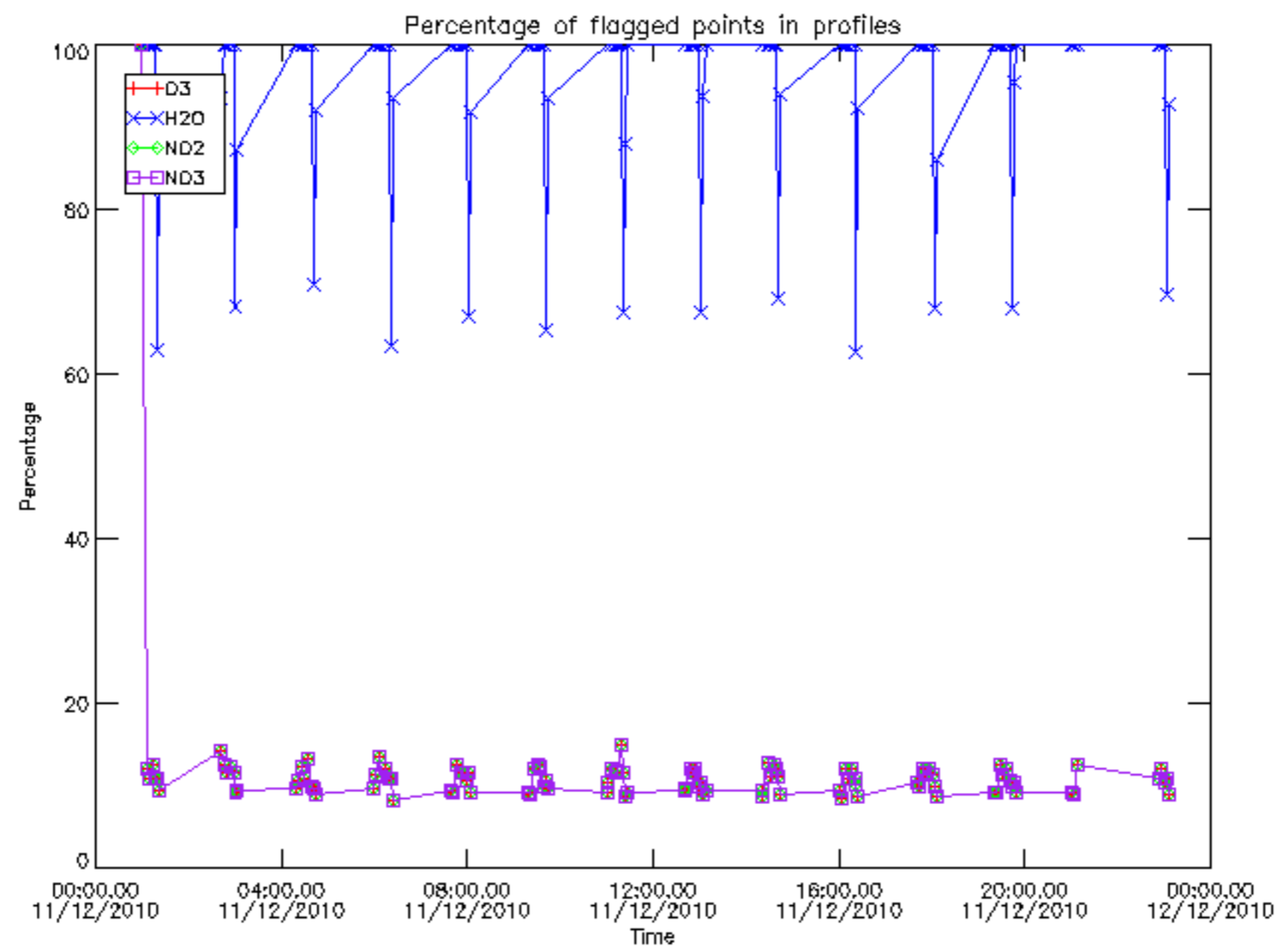
The colorbar represents the latitude.



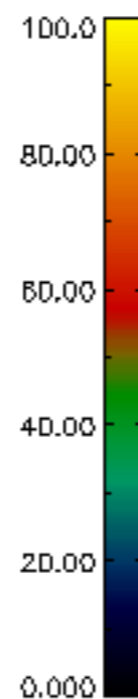
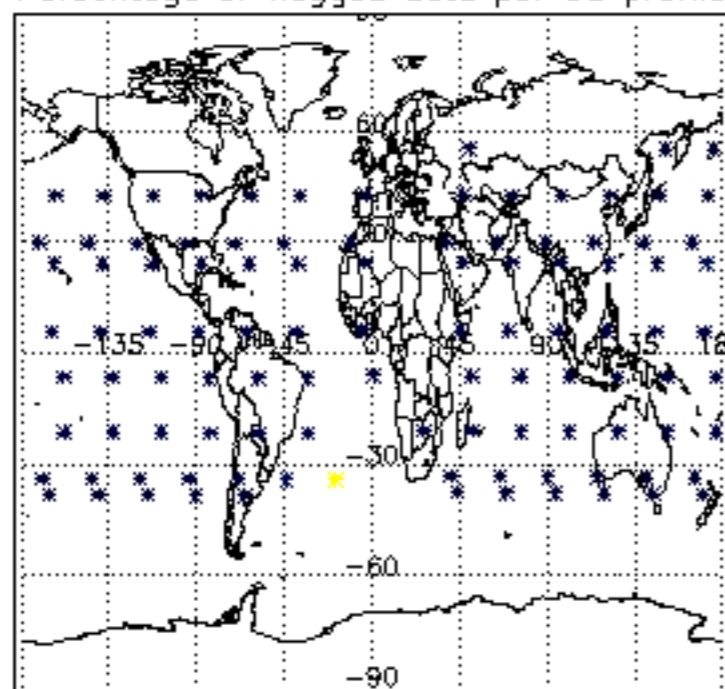
6. Auxiliary Data Files used for the production reported in section 2

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.

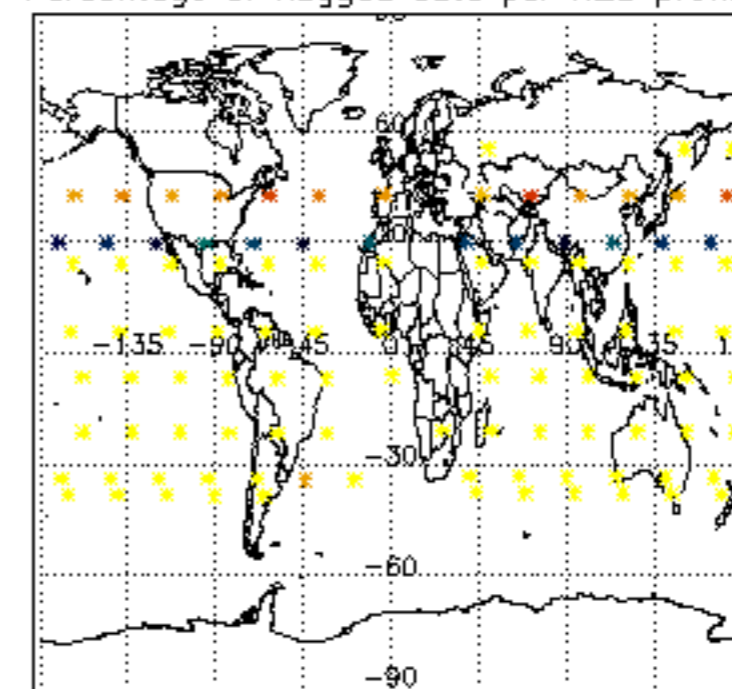
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	11-DEC-2010 00:02:07
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	11-DEC-2010 00:02:07
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	11-DEC-2010 00:02:07



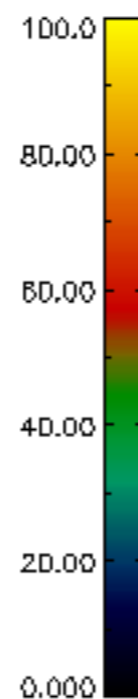
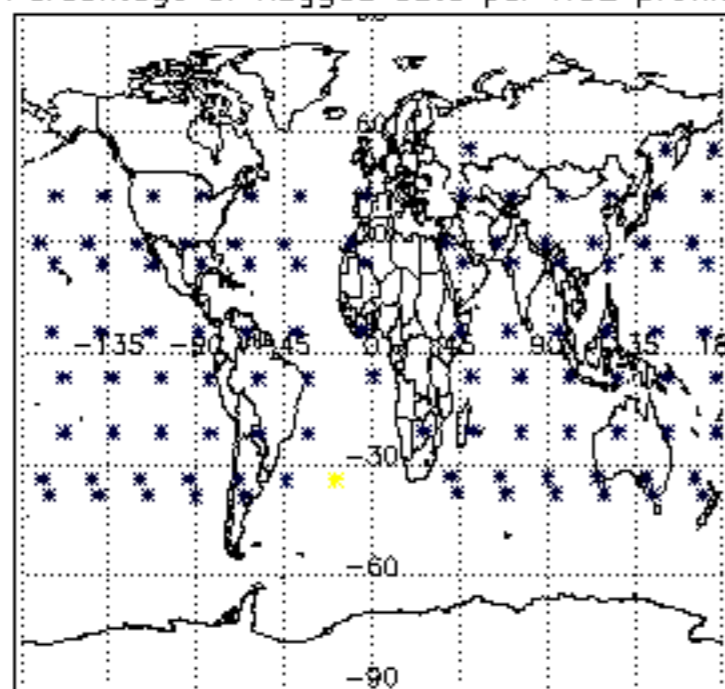
Percentage of flagged data per D3 profile



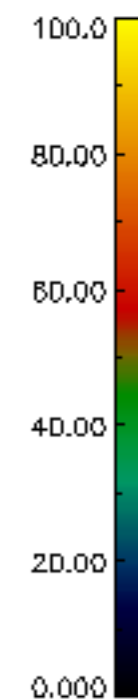
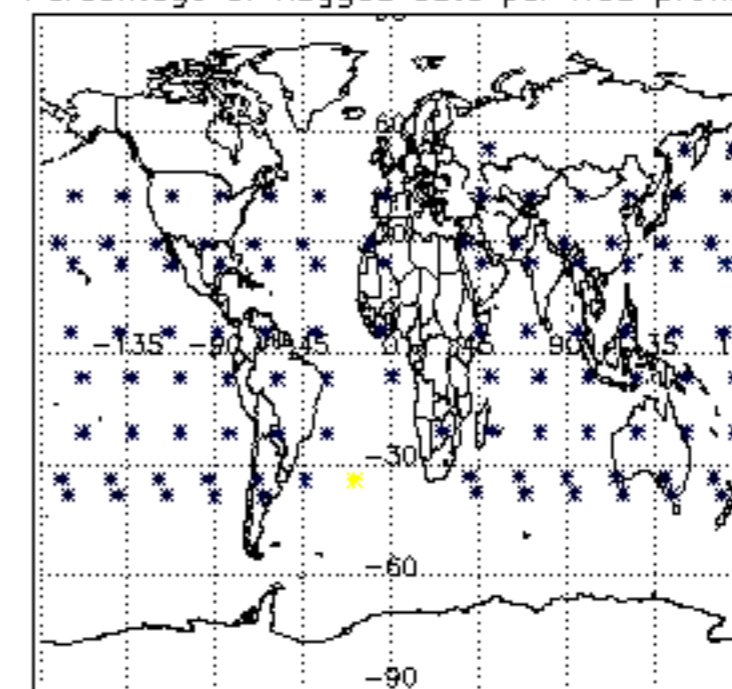
Percentage of flagged data per H2O profile

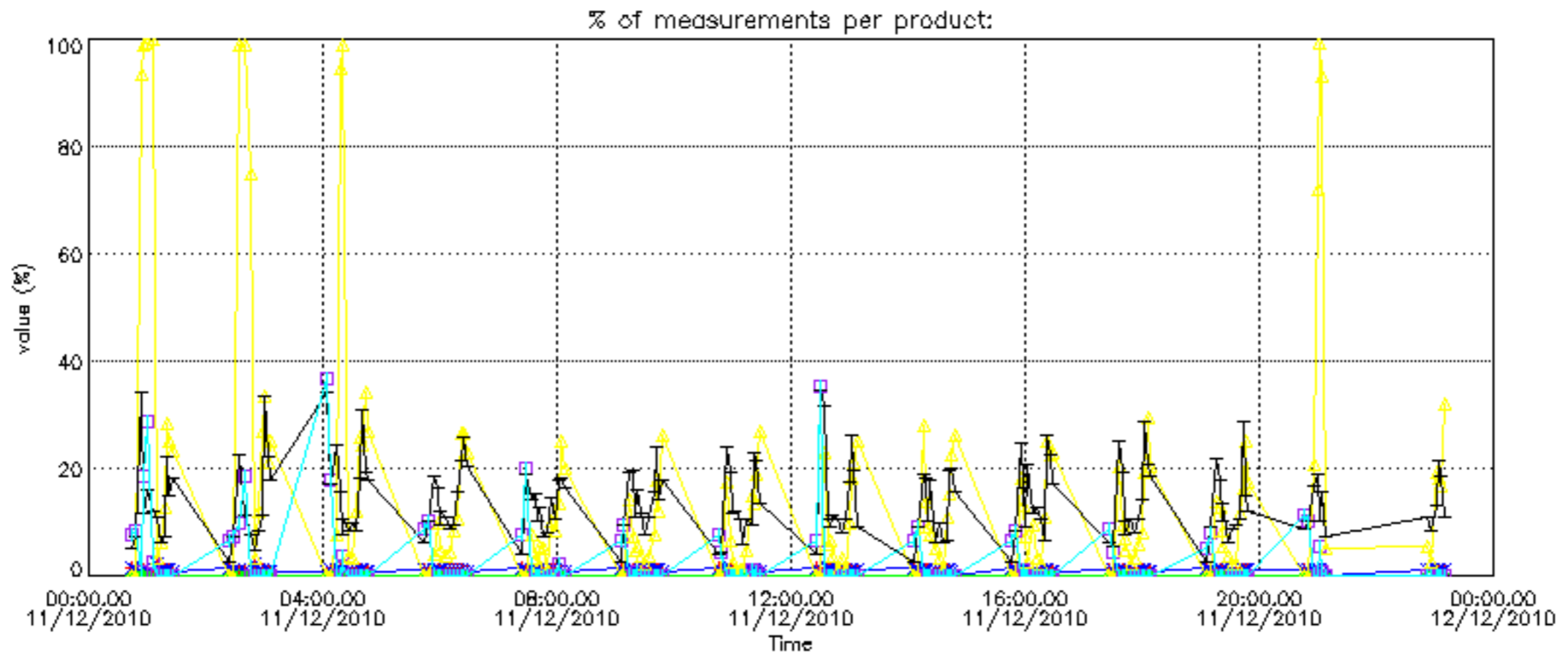


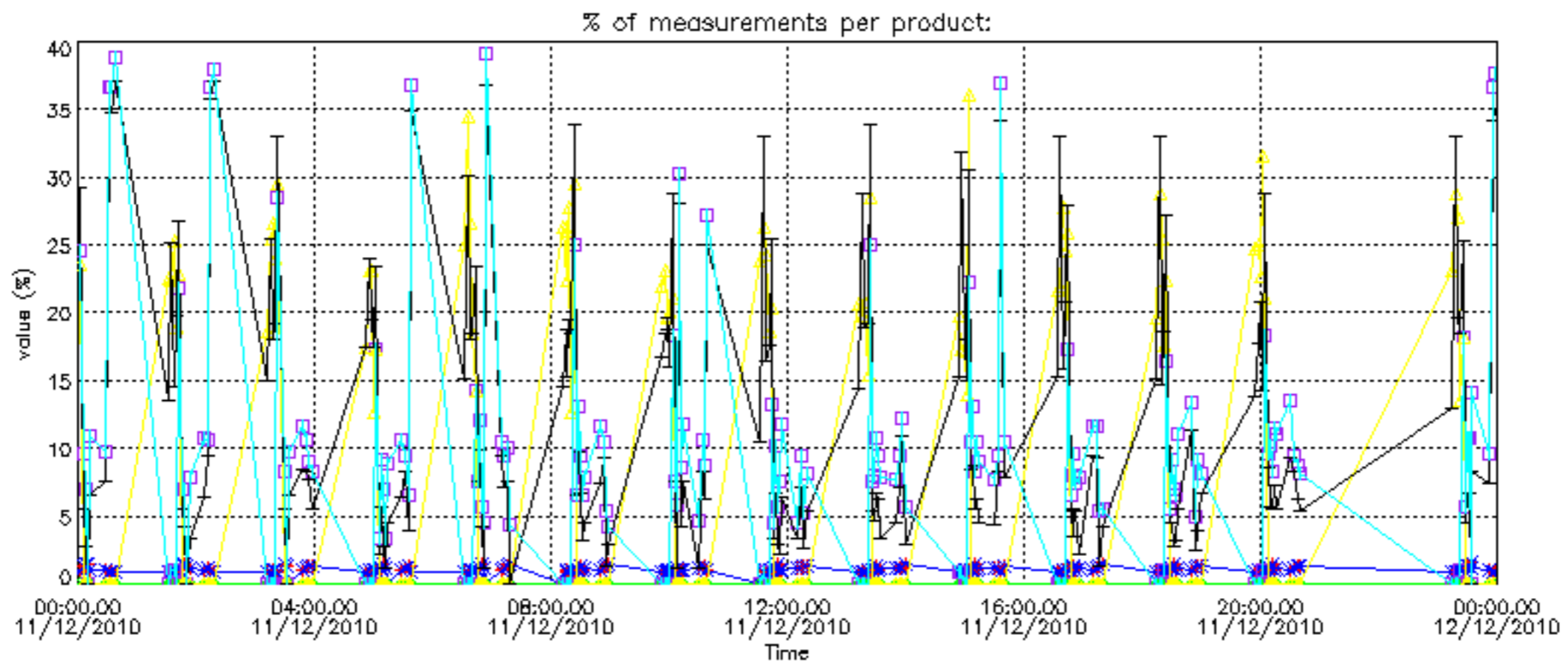
Percentage of flagged data per NO2 profile



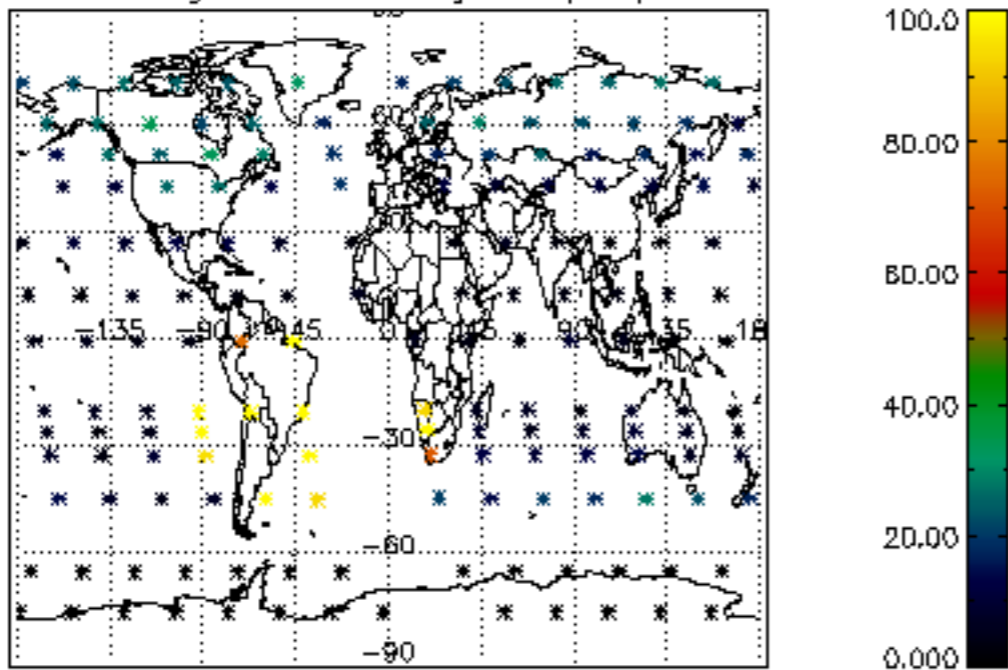
Percentage of flagged data per NO3 profile



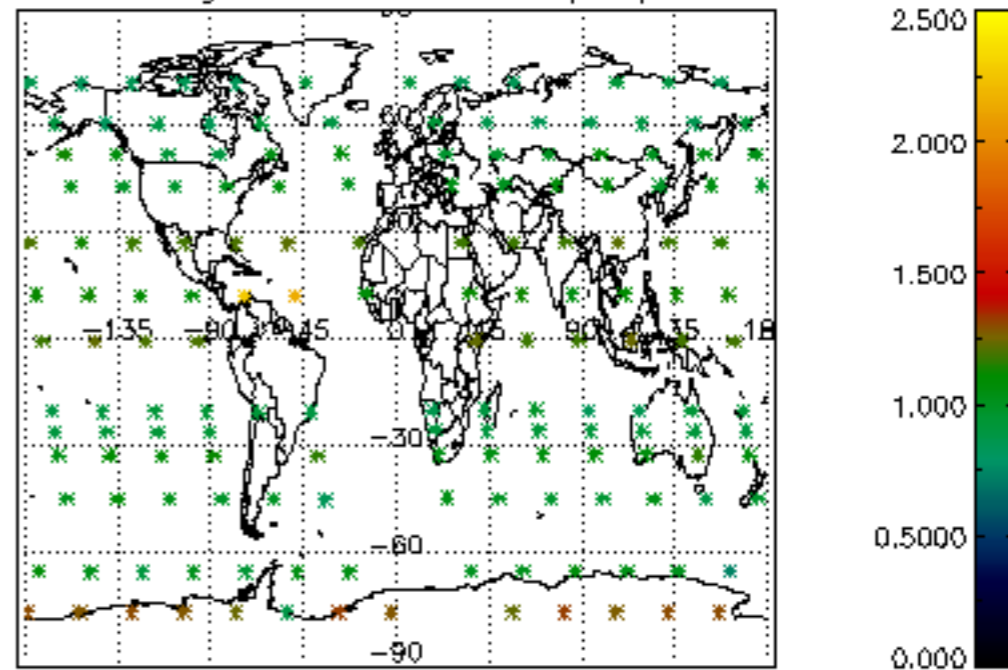




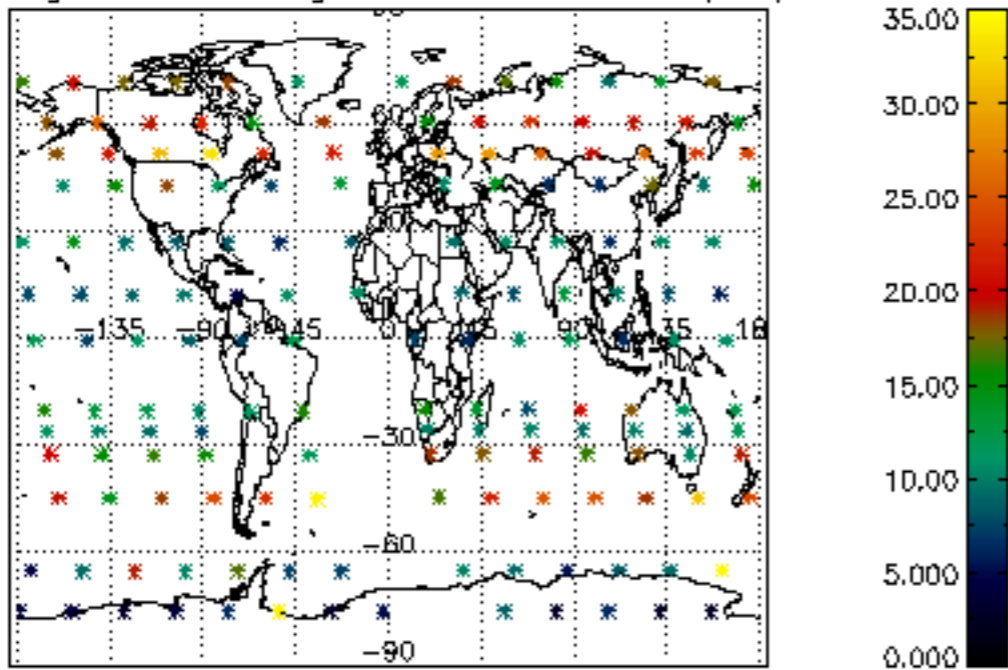
Percentage of cosmic ray hits per profile



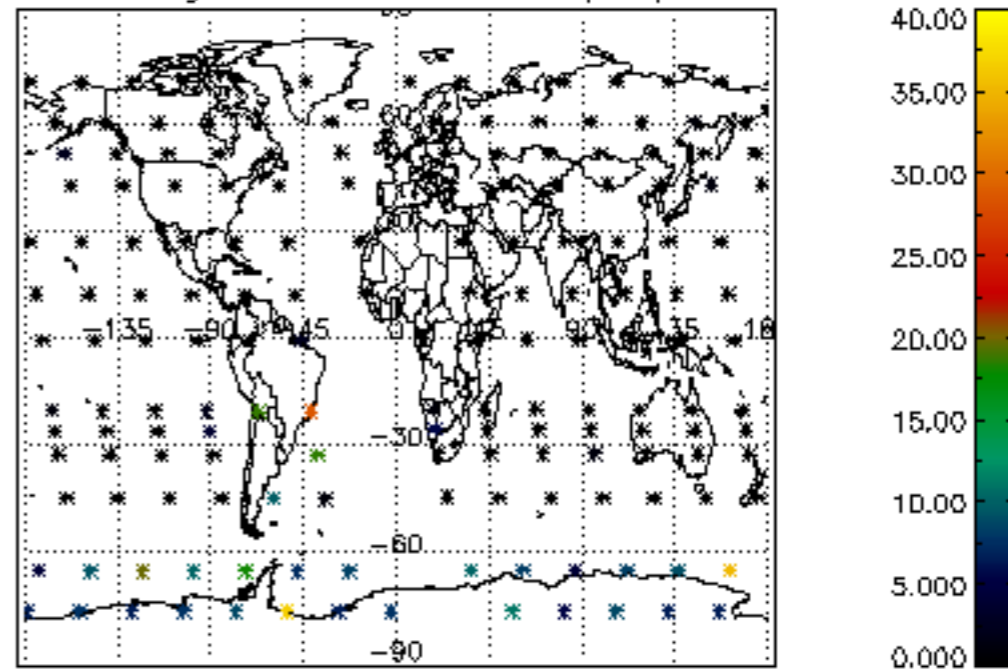
Percentage of datation errors per profile



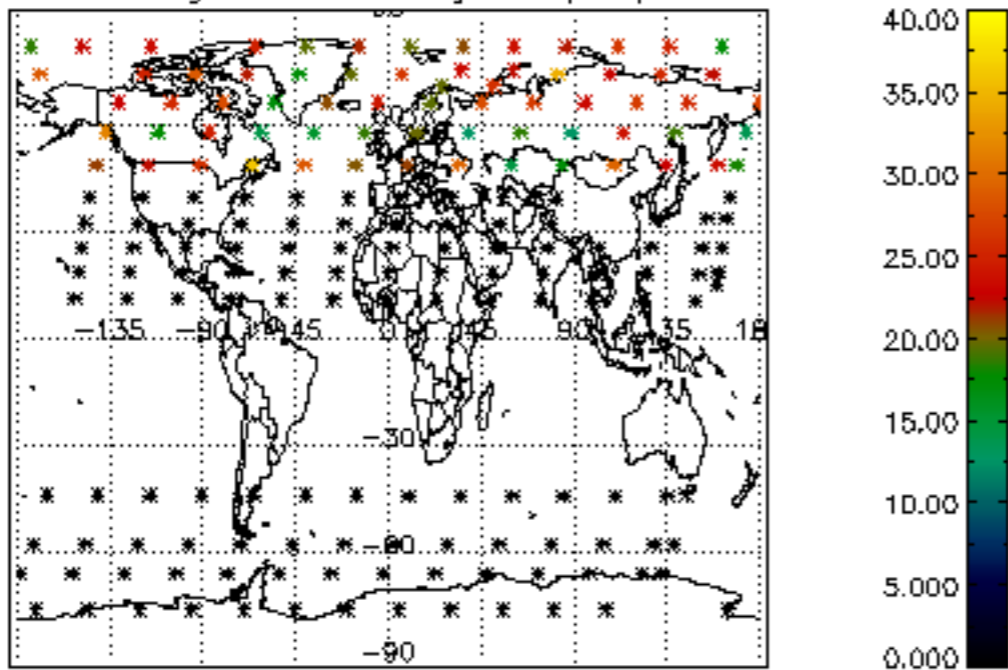
Percentage of star falling outside central band per profile



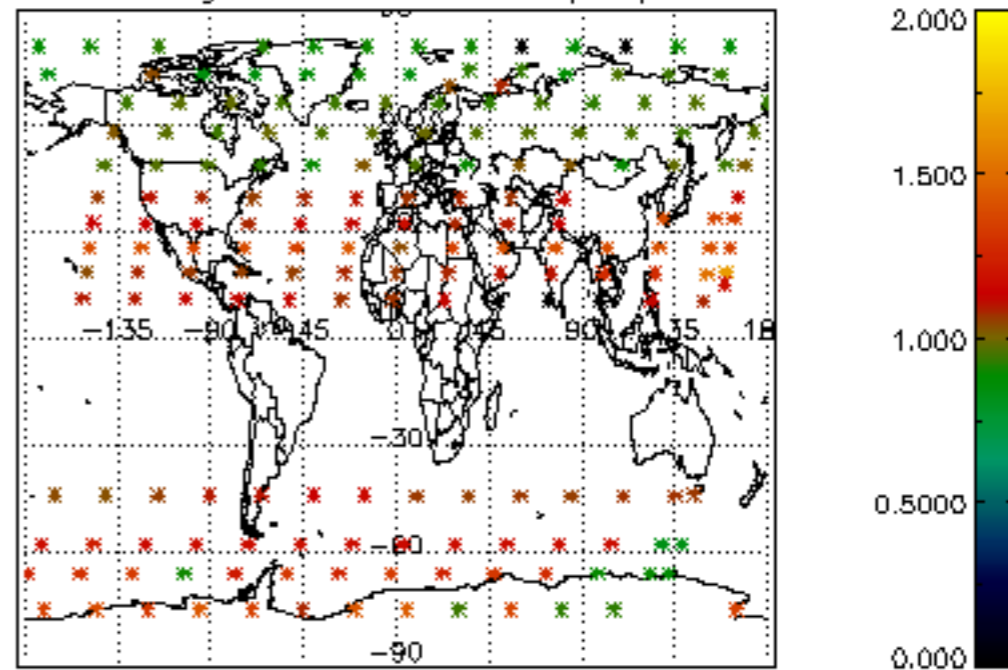
Percentage of saturation errors per profile



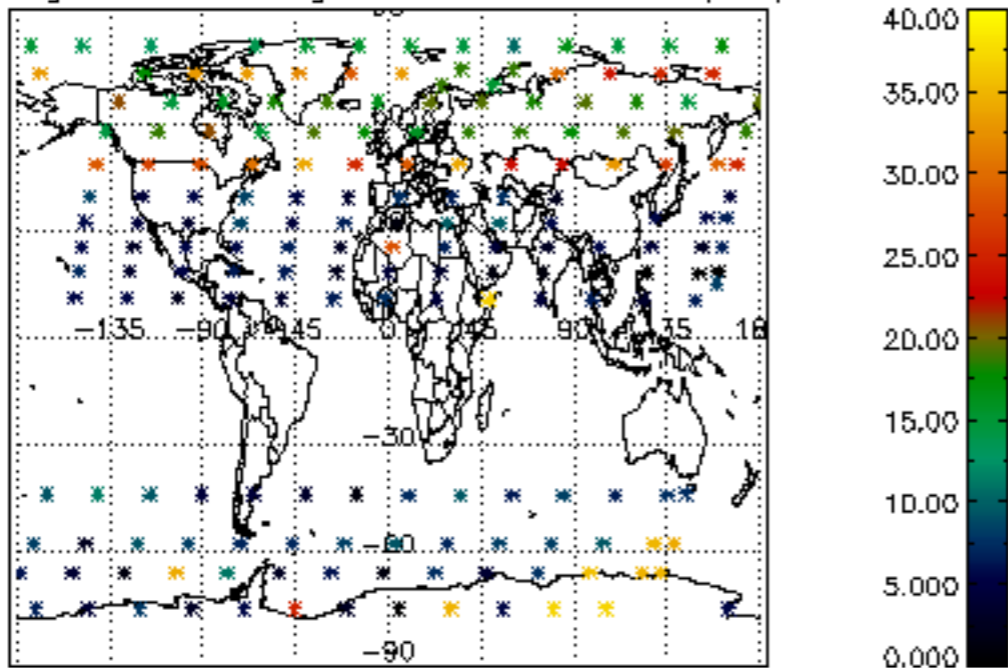
Percentage of cosmic ray hits per profile



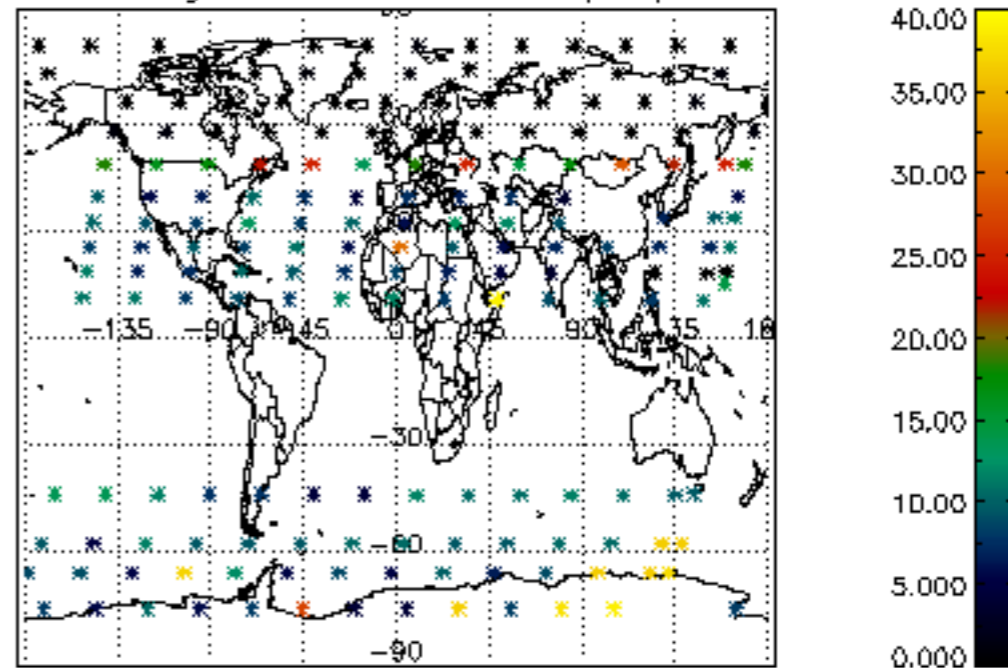
Percentage of datation errors per profile

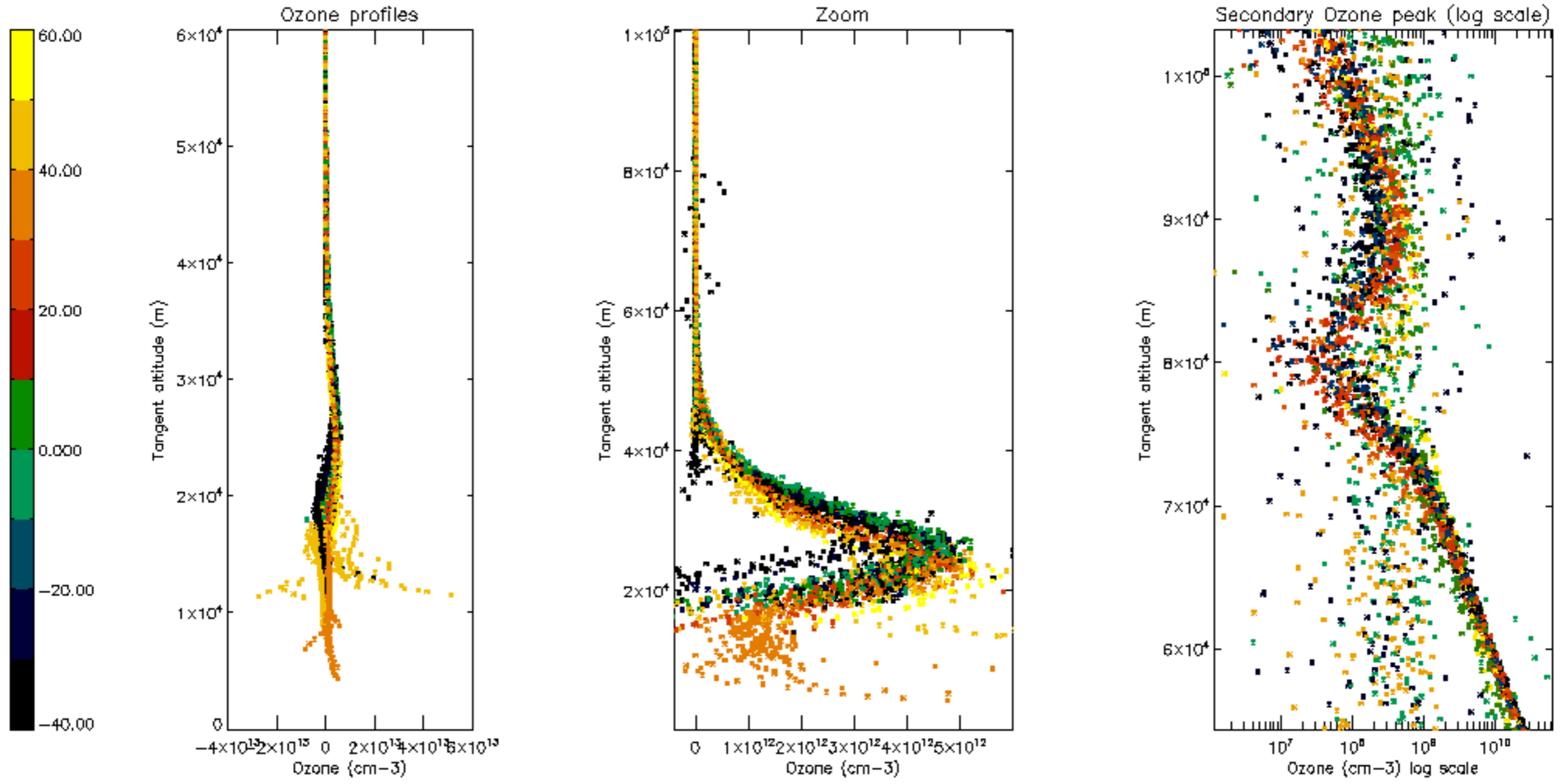


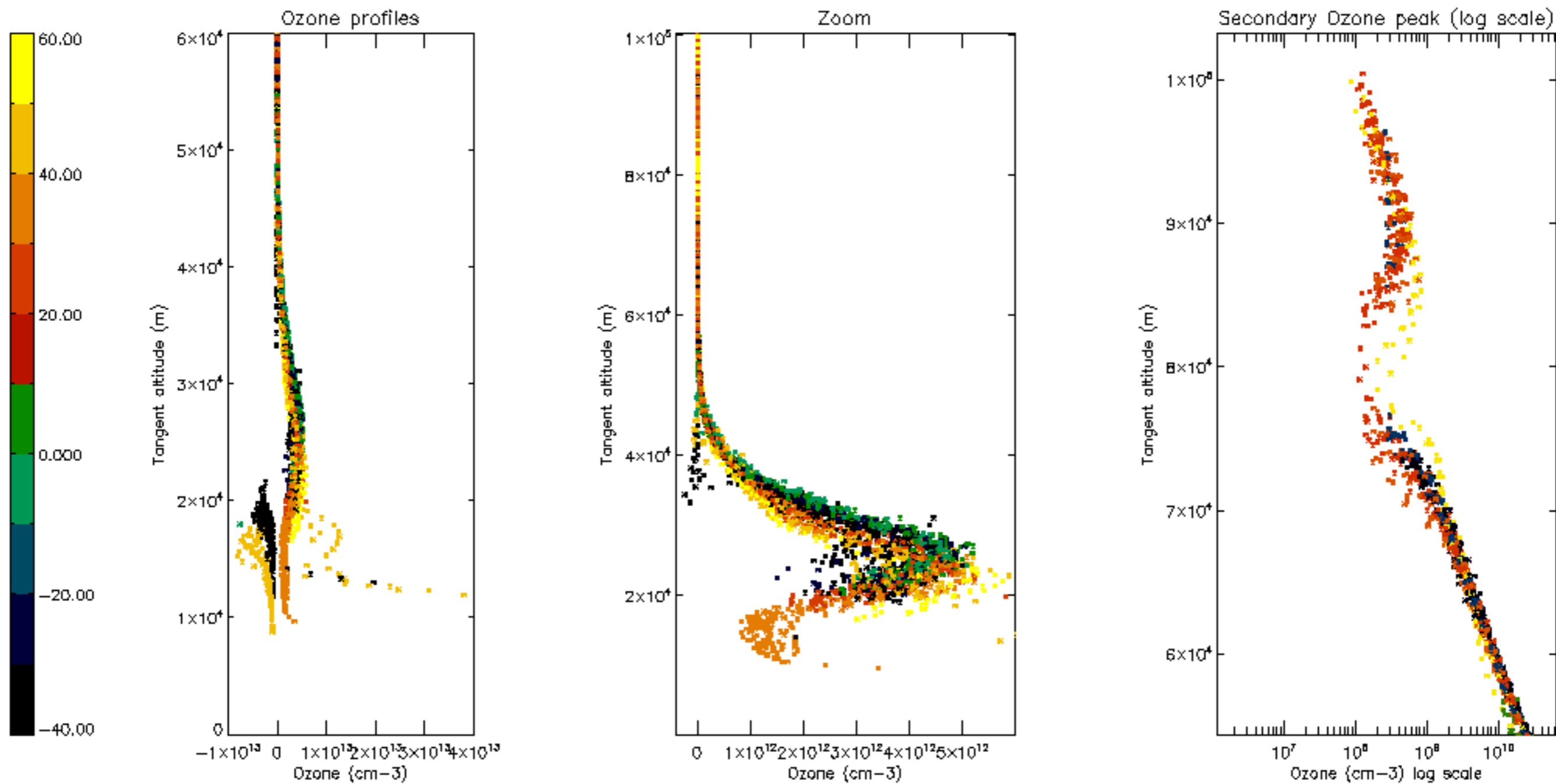
Percentage of star falling outside central band per profile

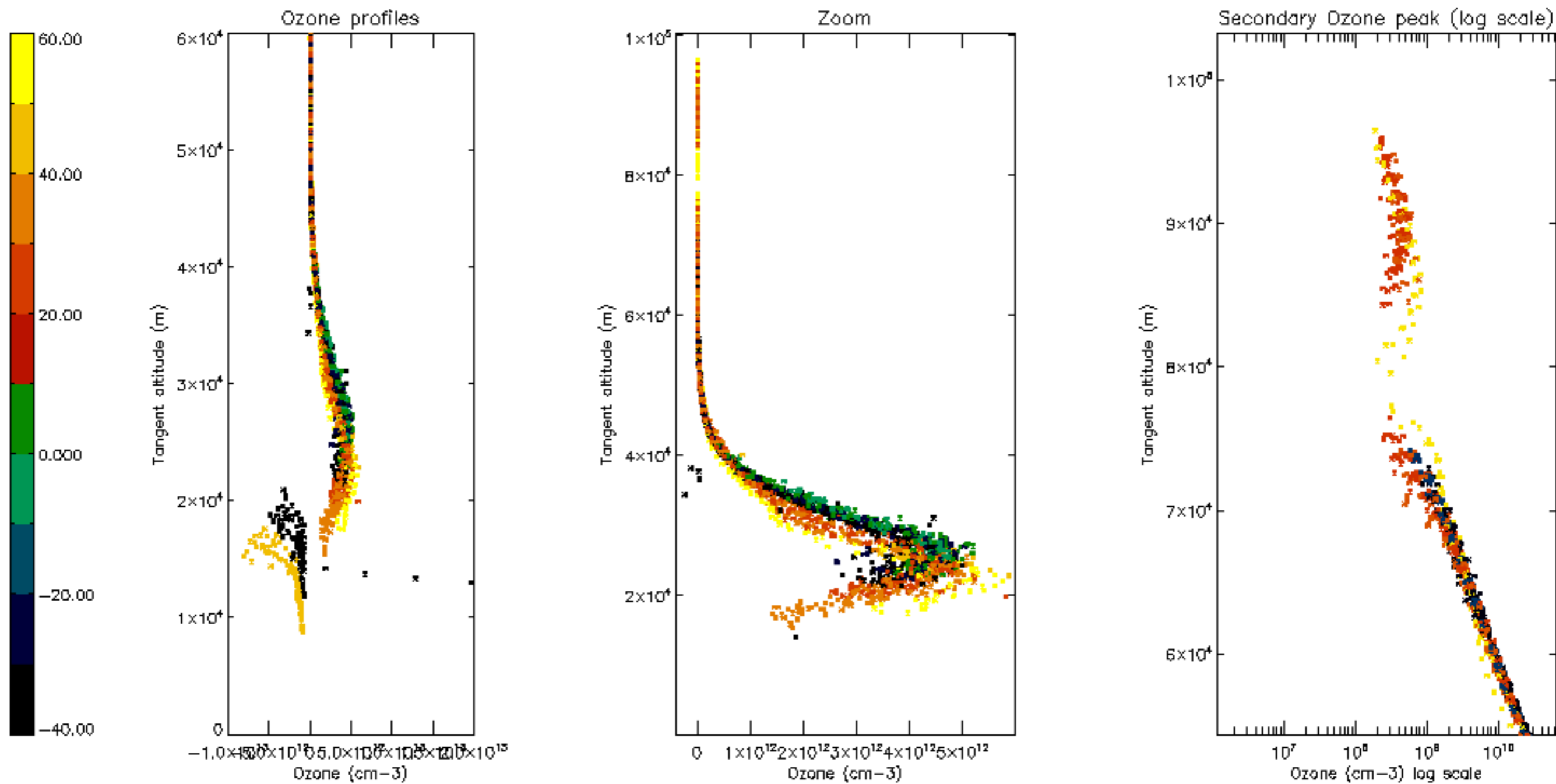


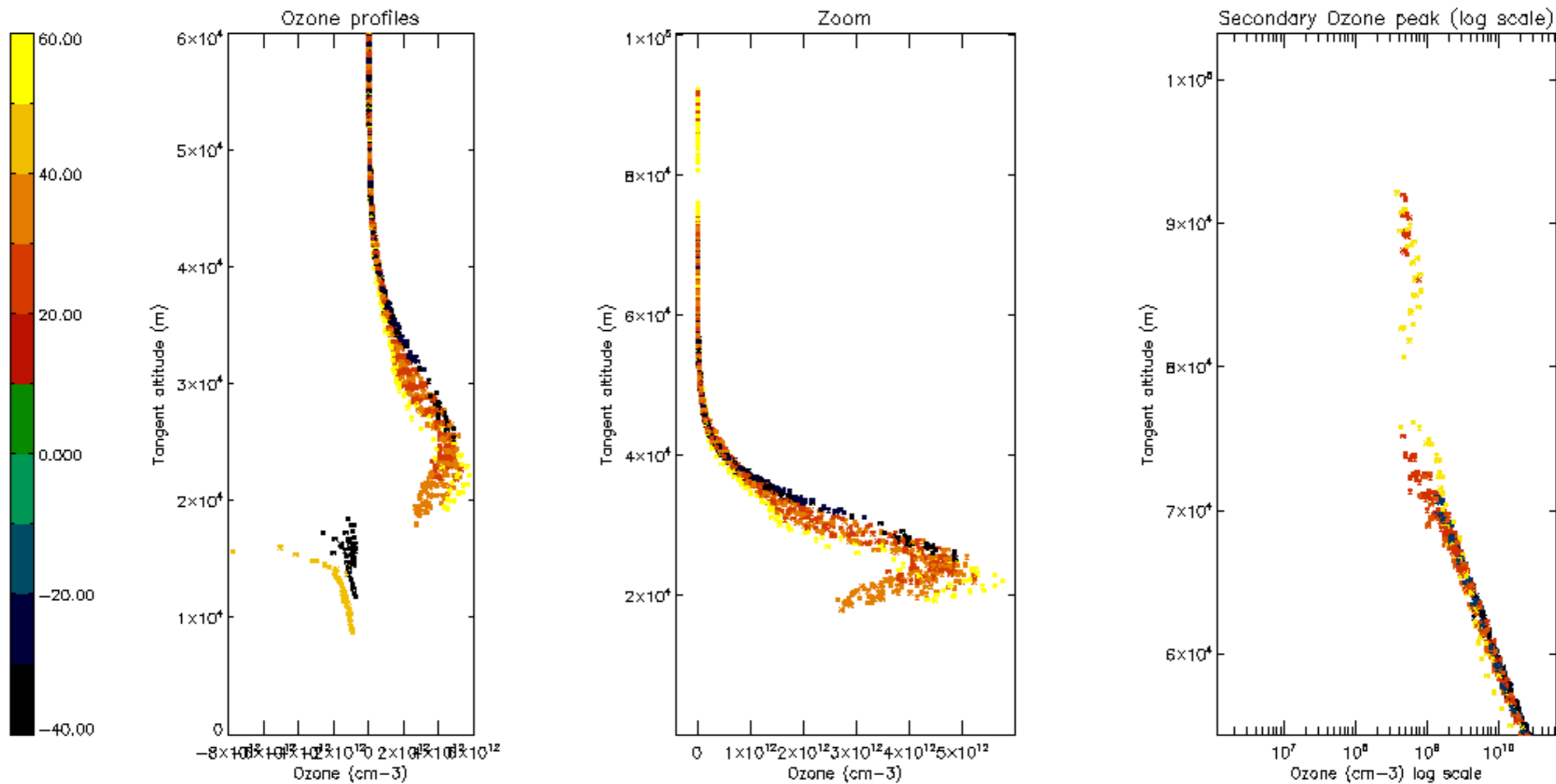
Percentage of saturation errors per profile

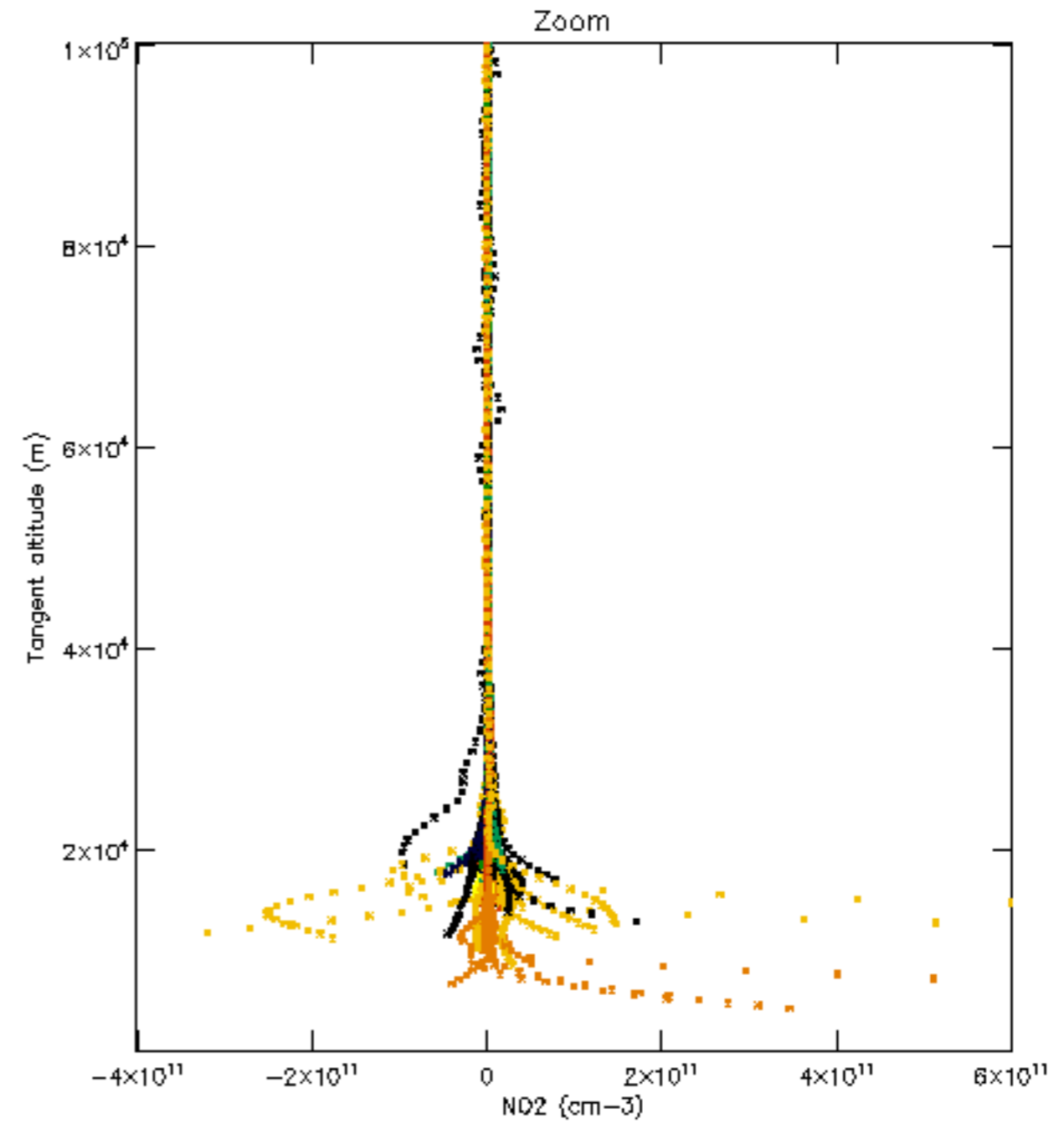
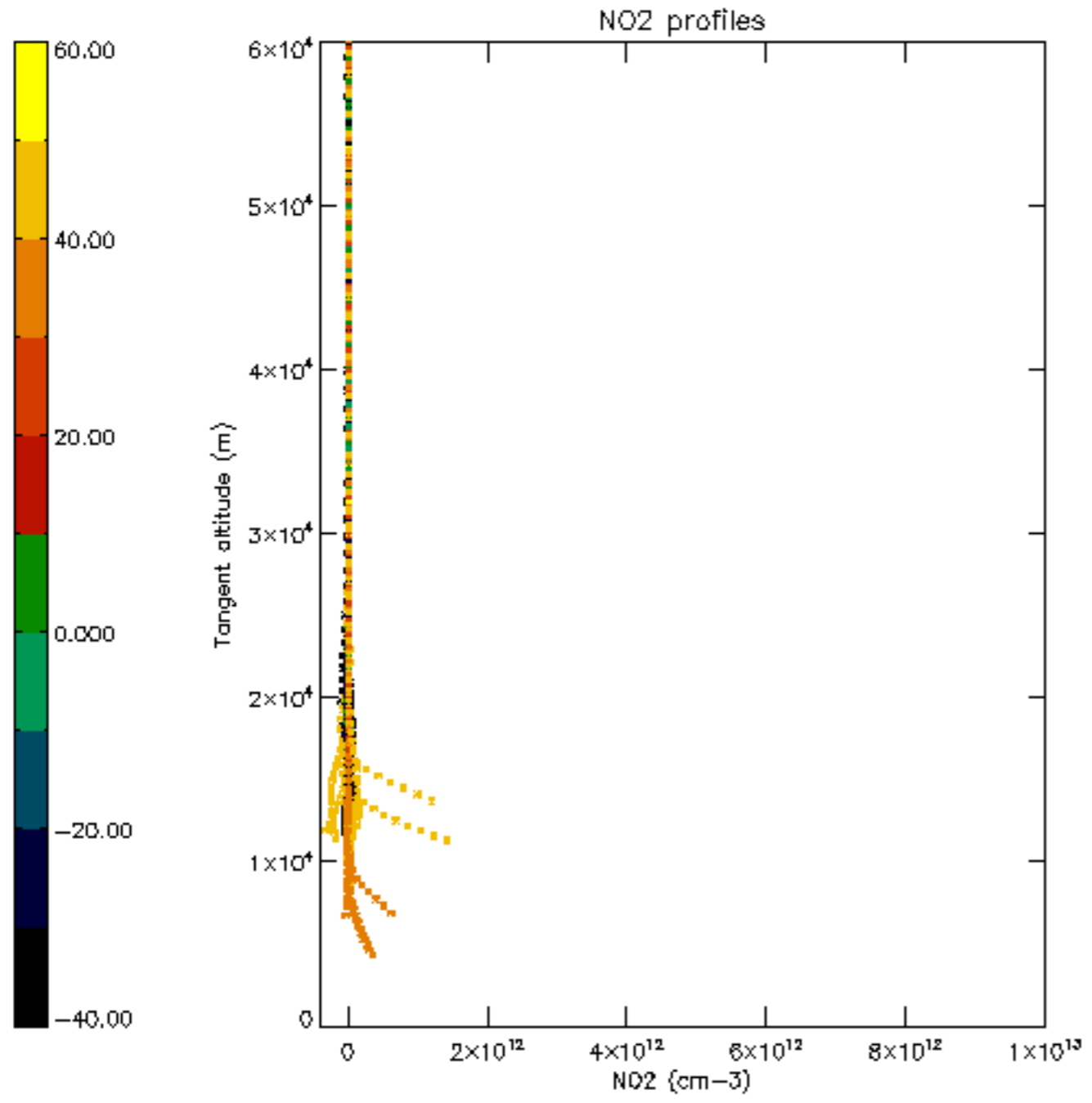


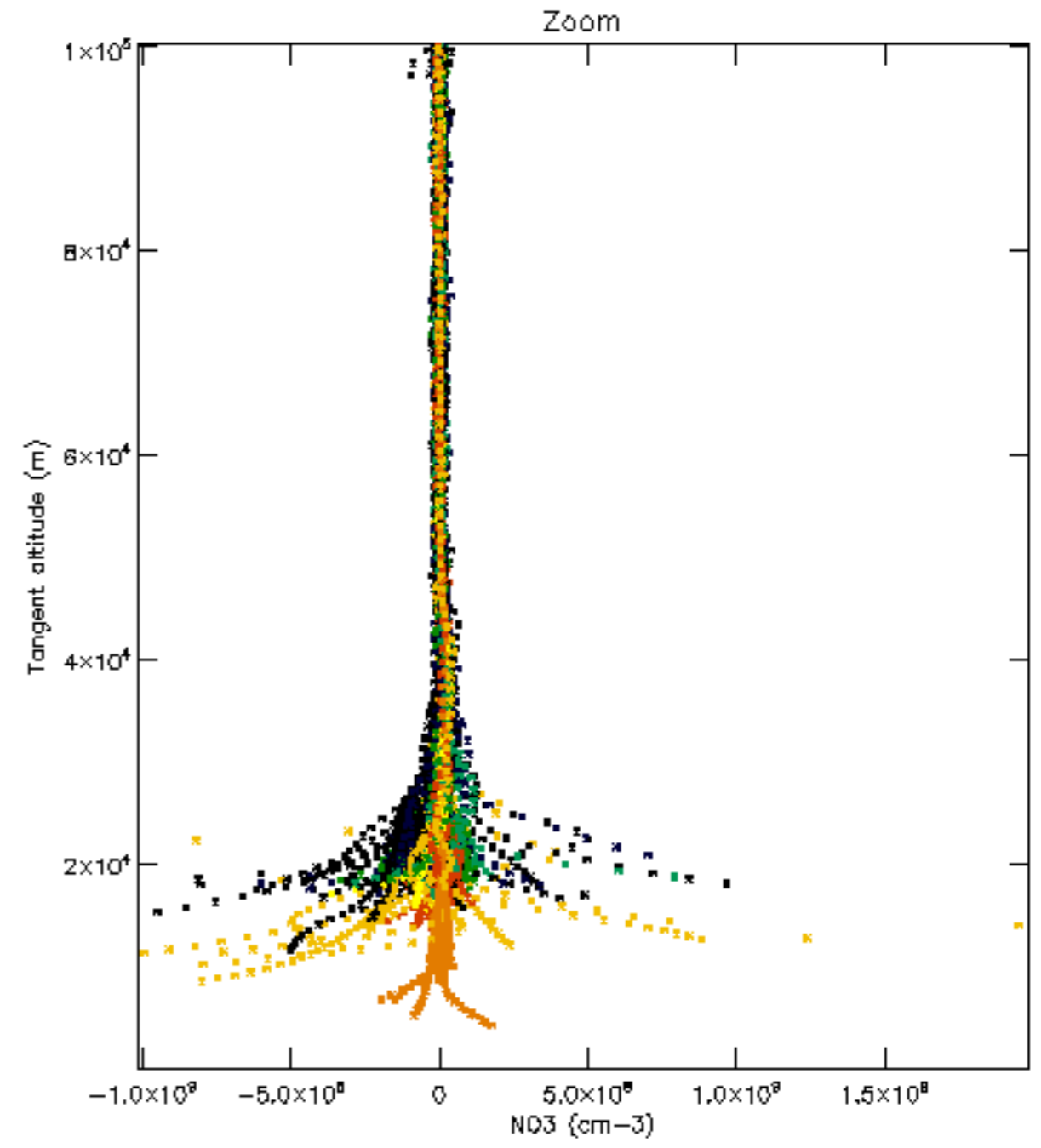
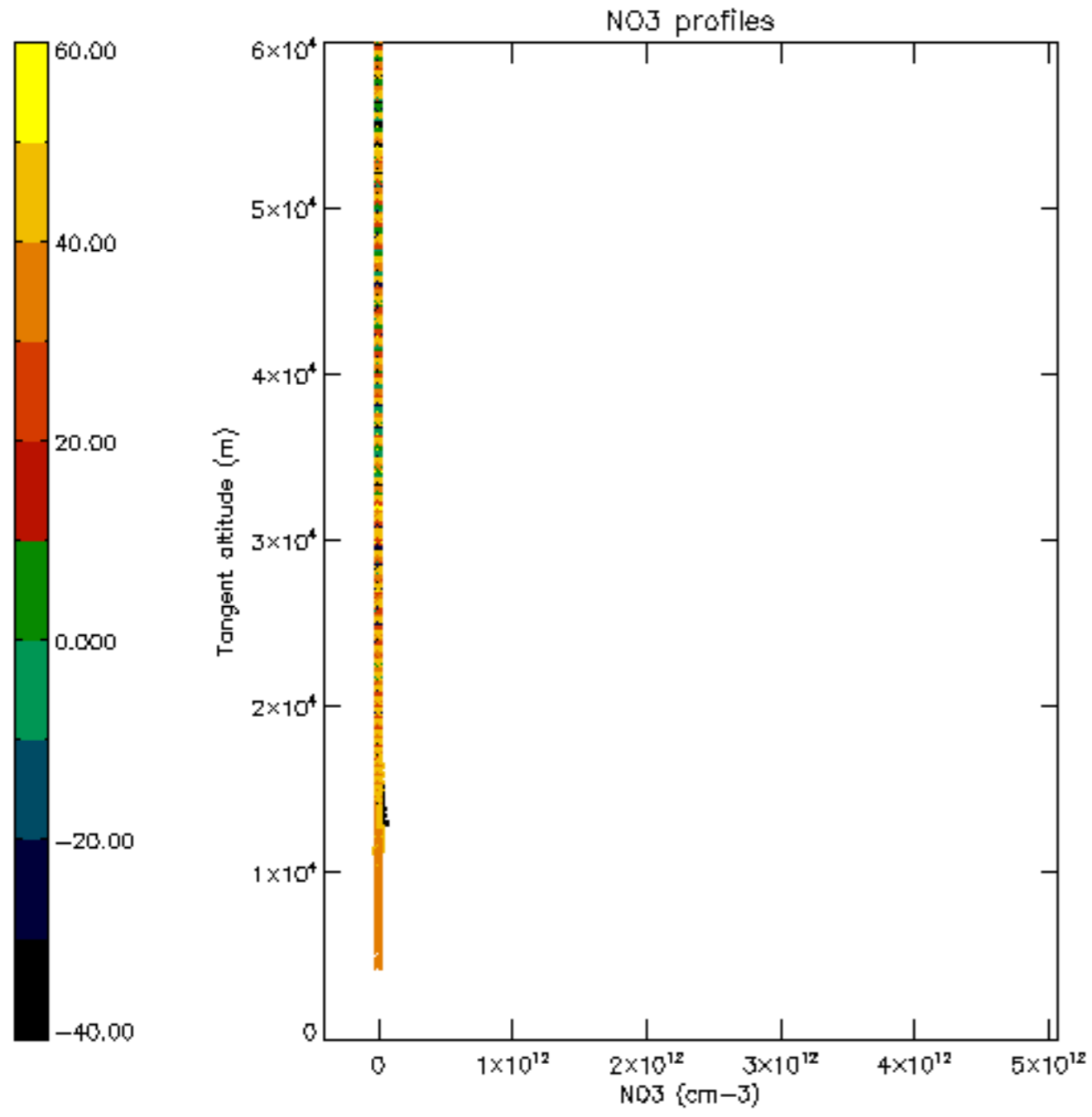


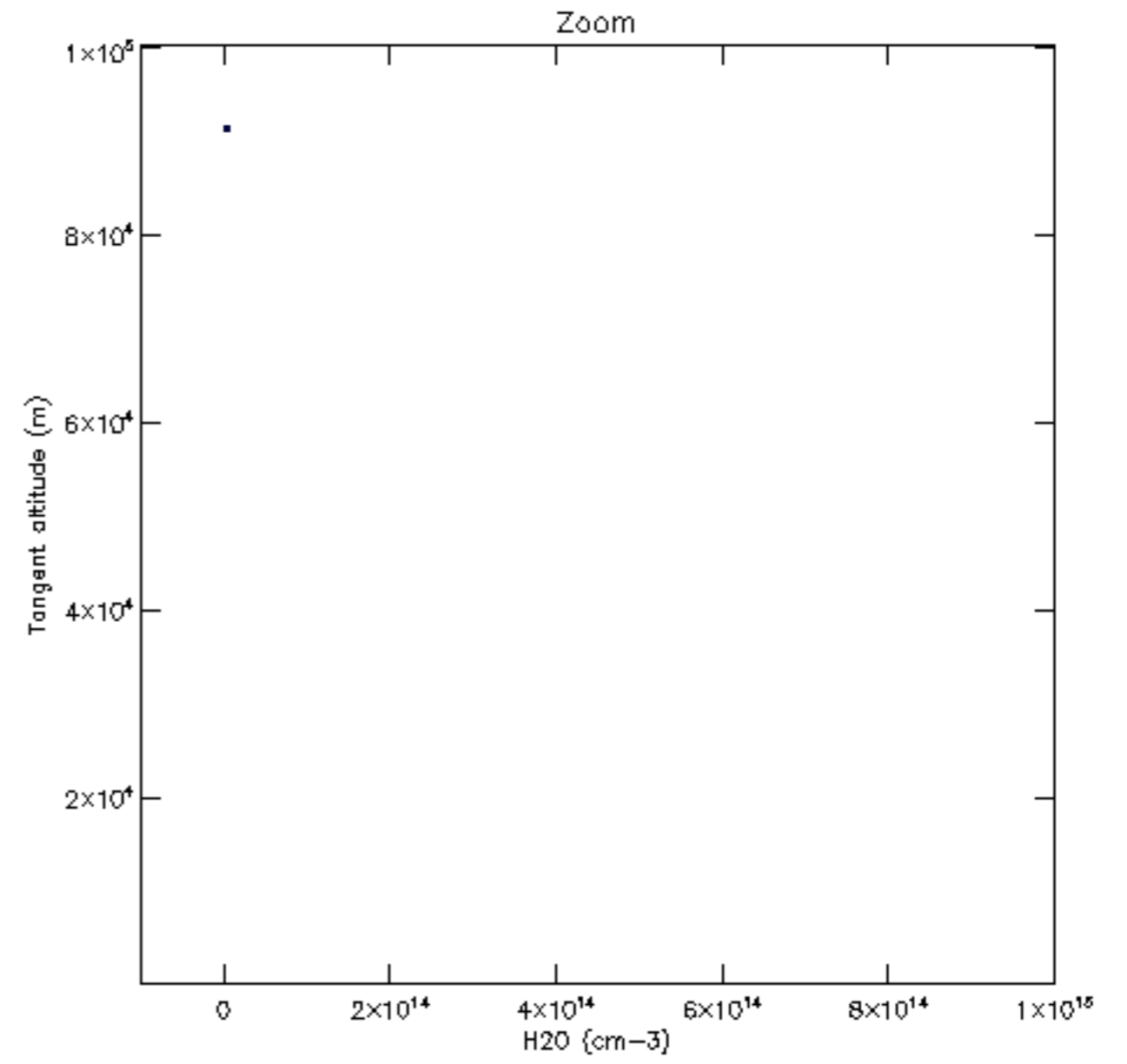
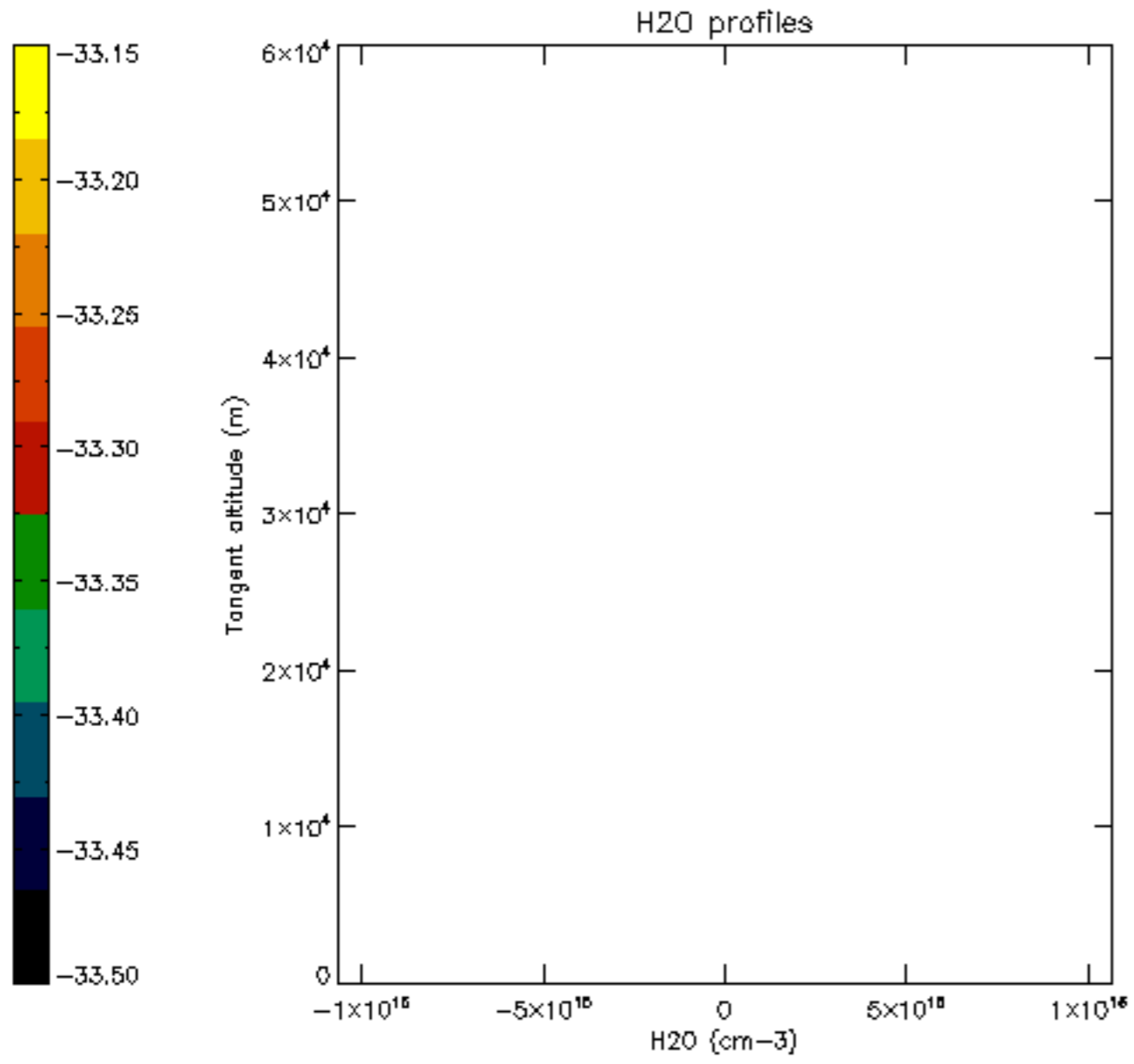


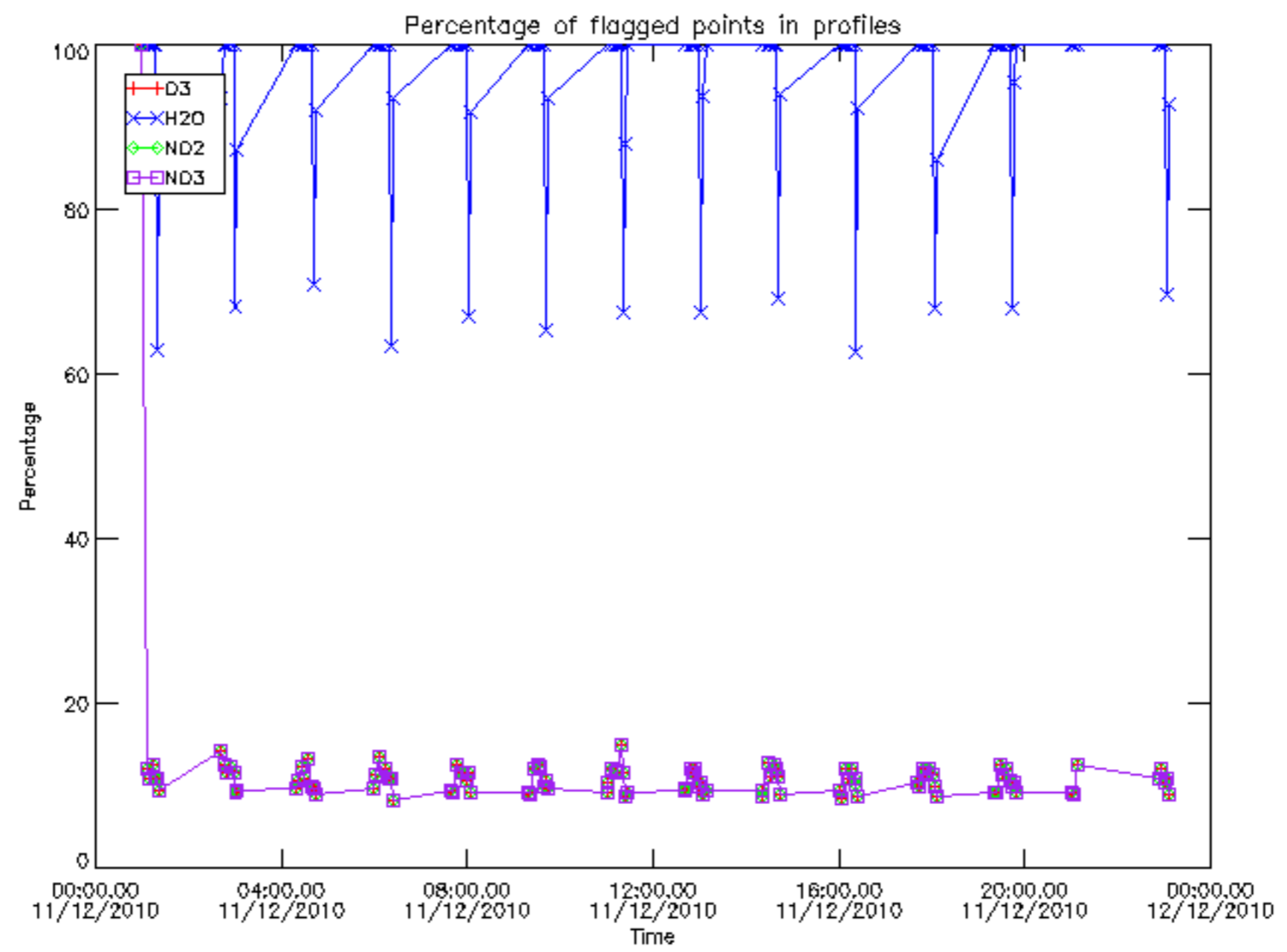




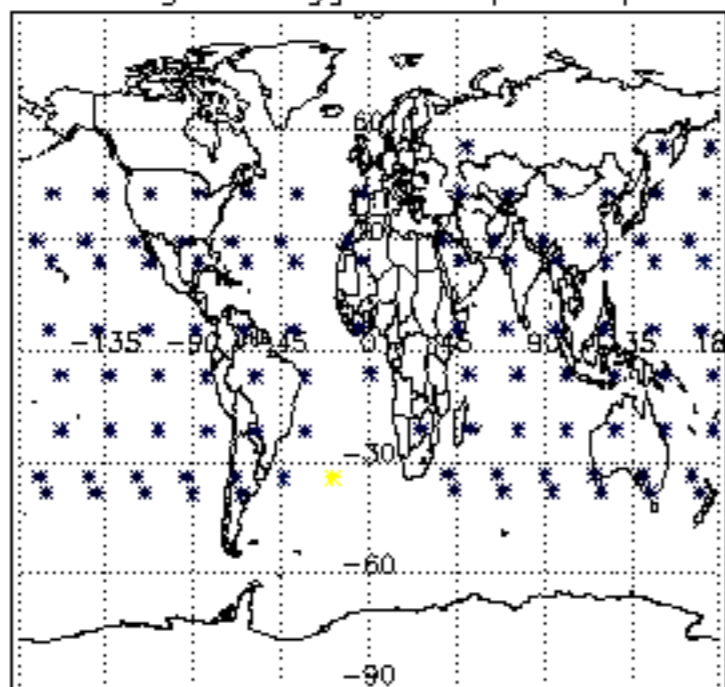




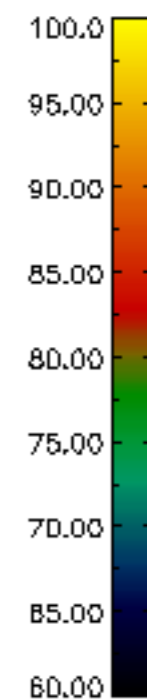
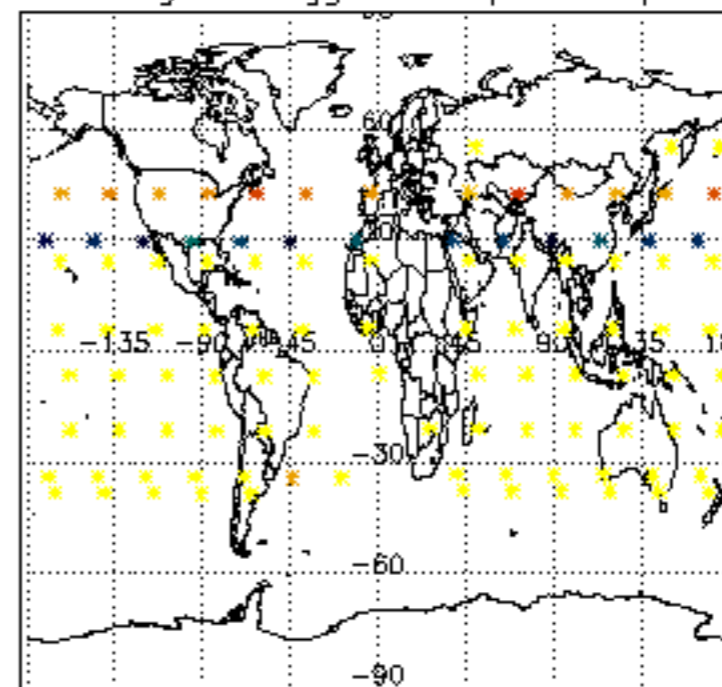




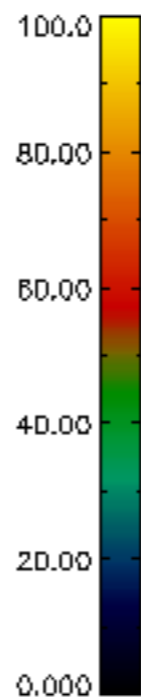
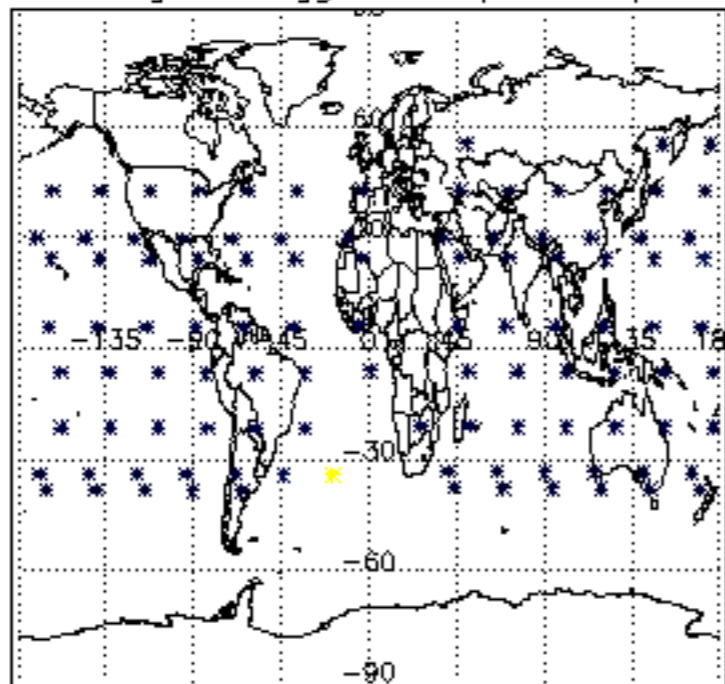
Percentage of flagged data per D3 profile



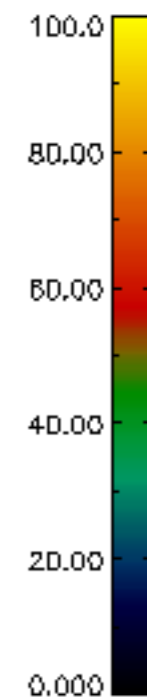
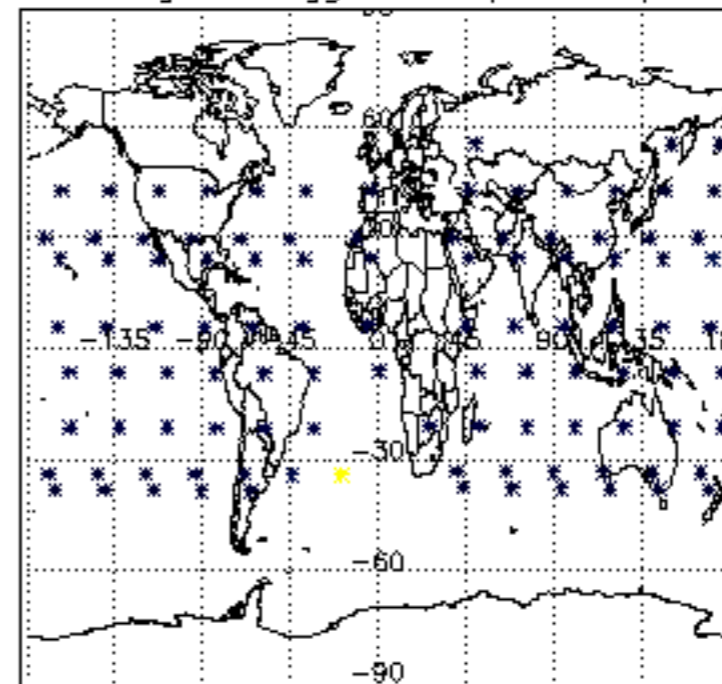
Percentage of flagged data per H2O profile

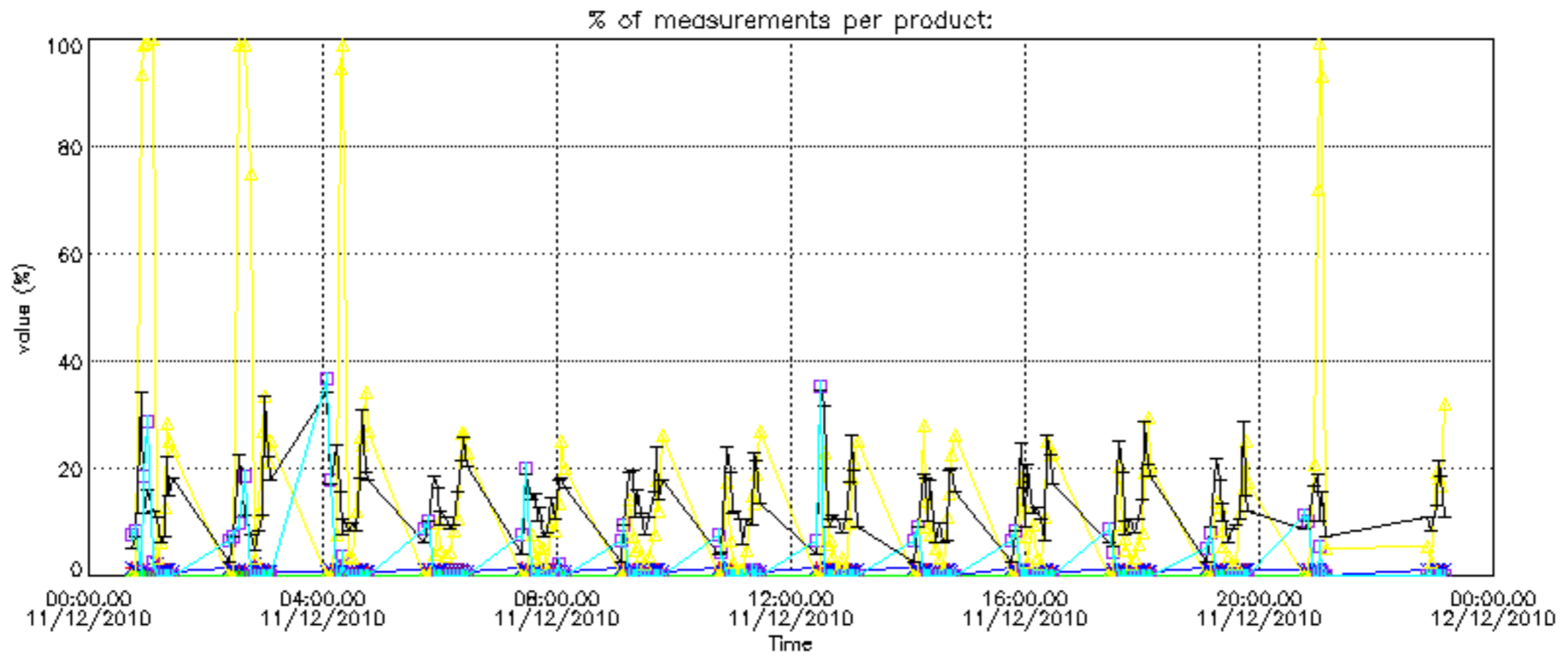


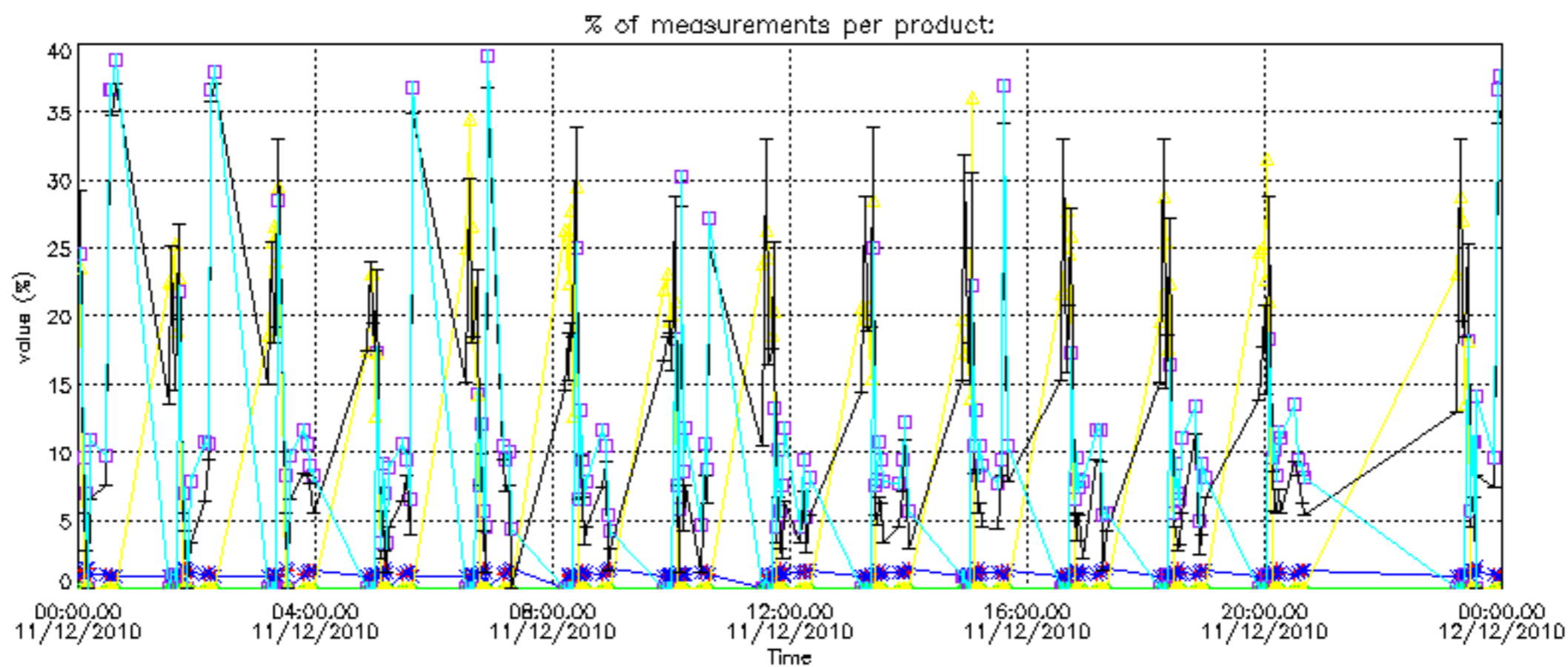
Percentage of flagged data per NO2 profile



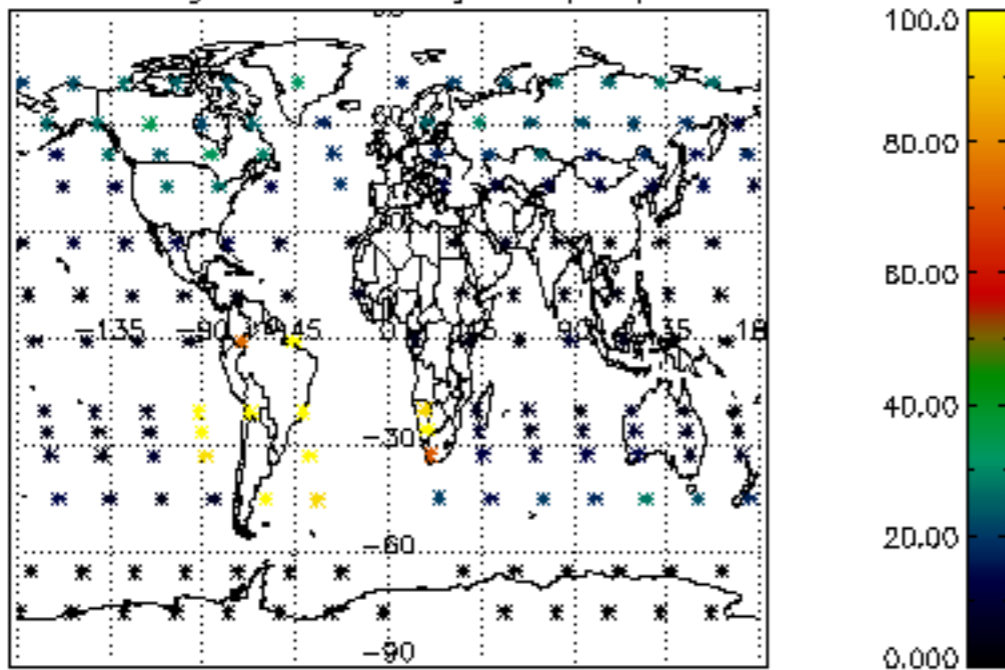
Percentage of flagged data per NO3 profile



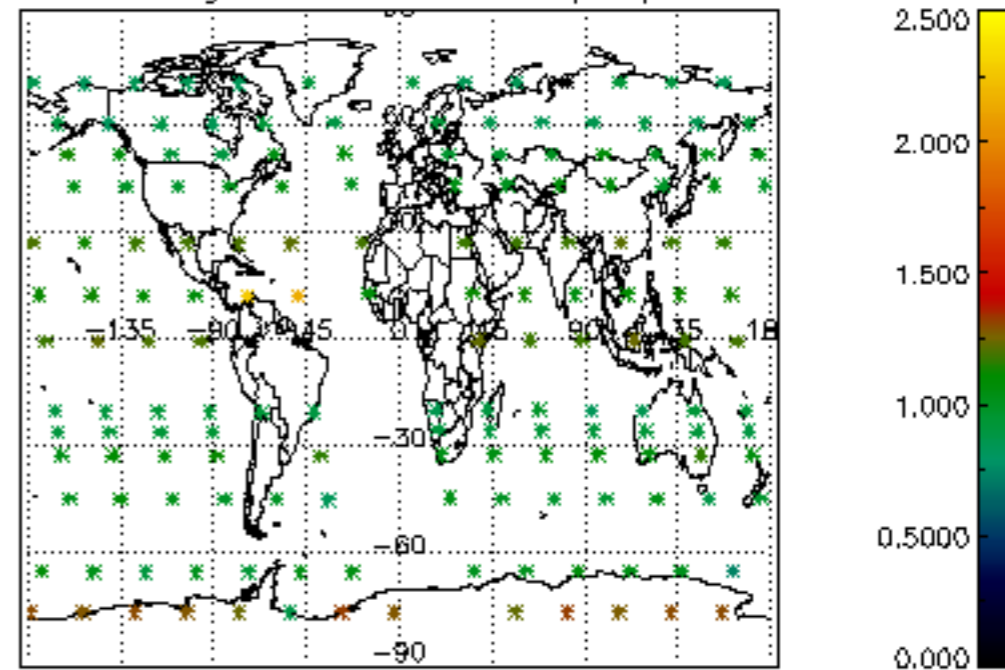




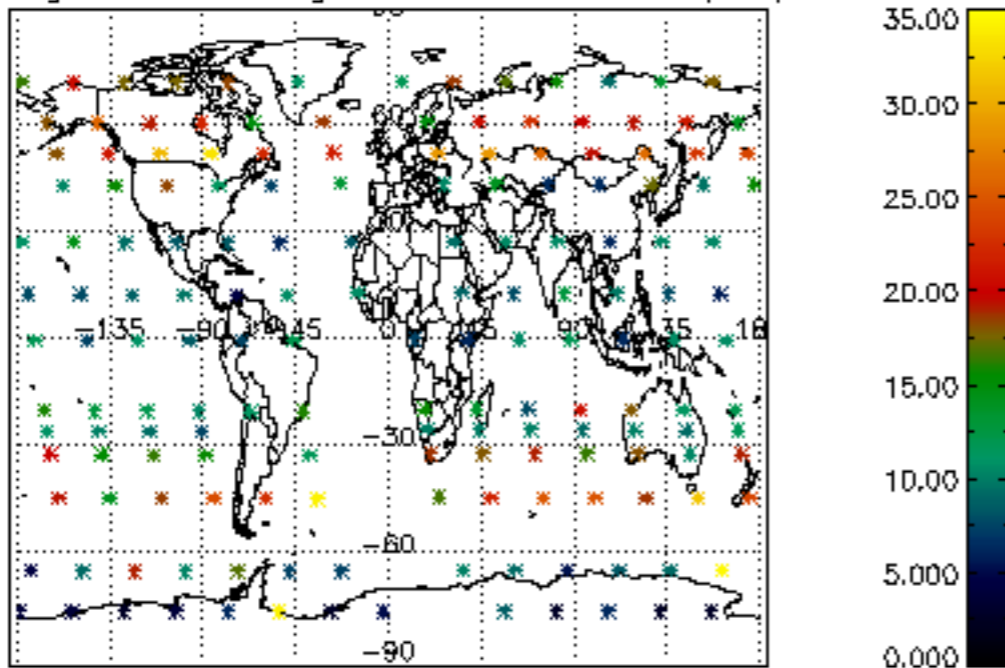
Percentage of cosmic ray hits per profile



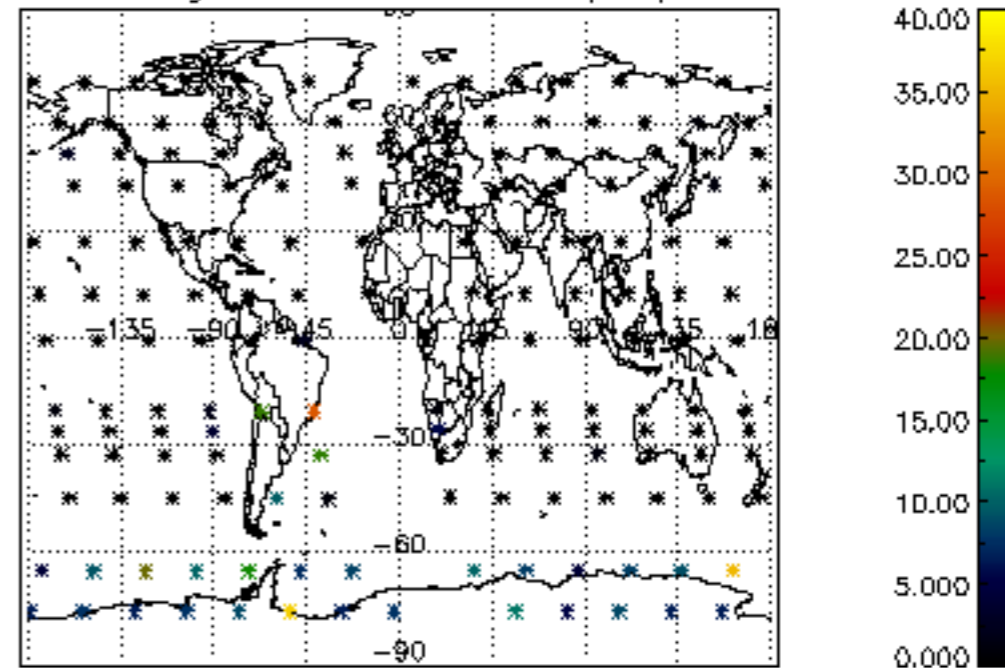
Percentage of datation errors per profile



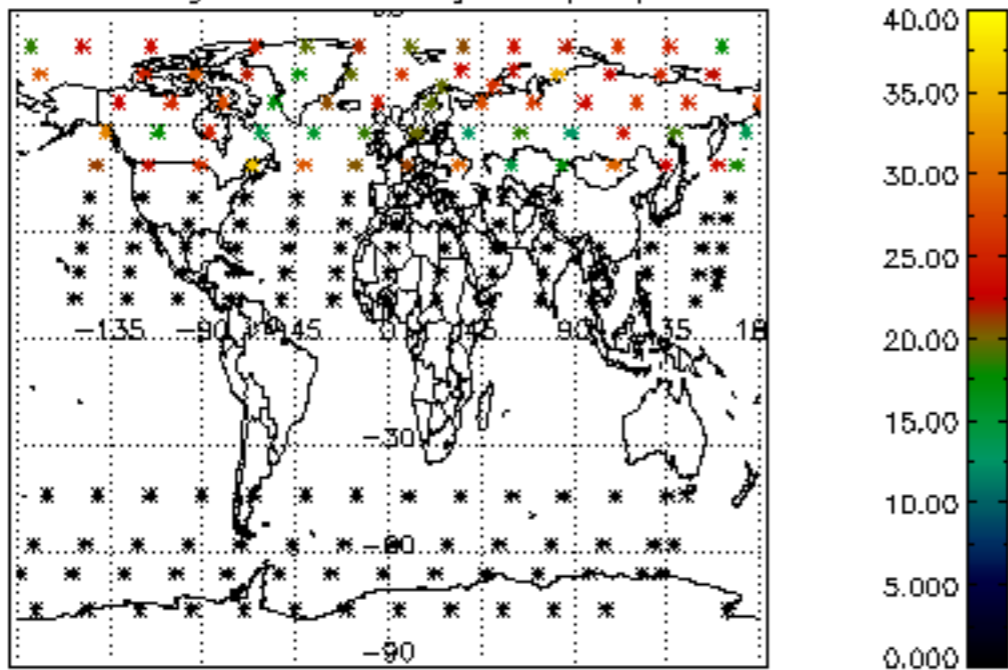
Percentage of star falling outside central band per profile



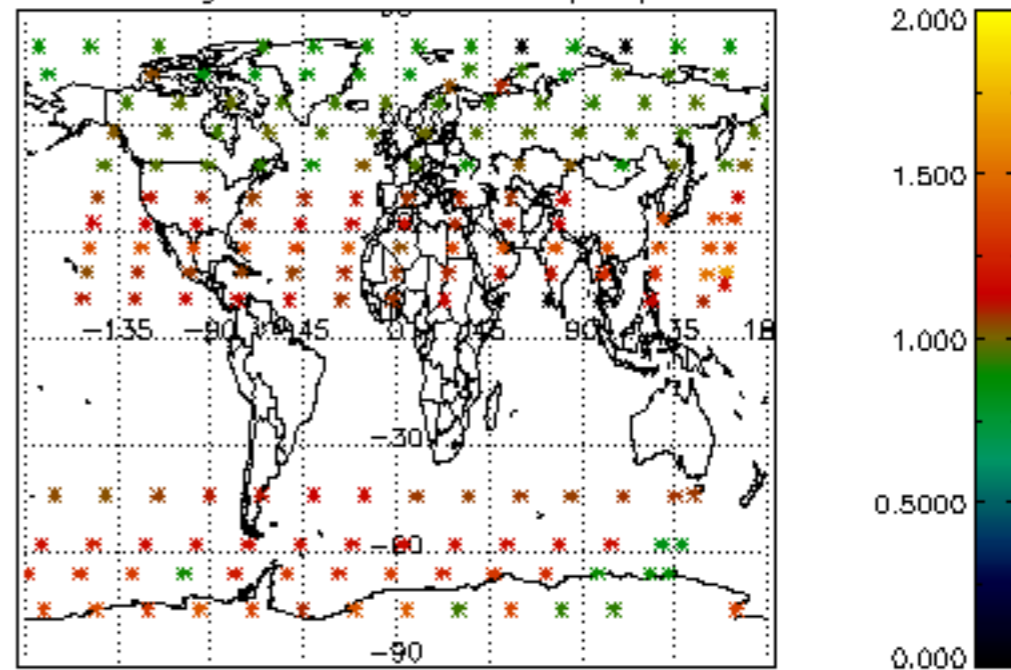
Percentage of saturation errors per profile



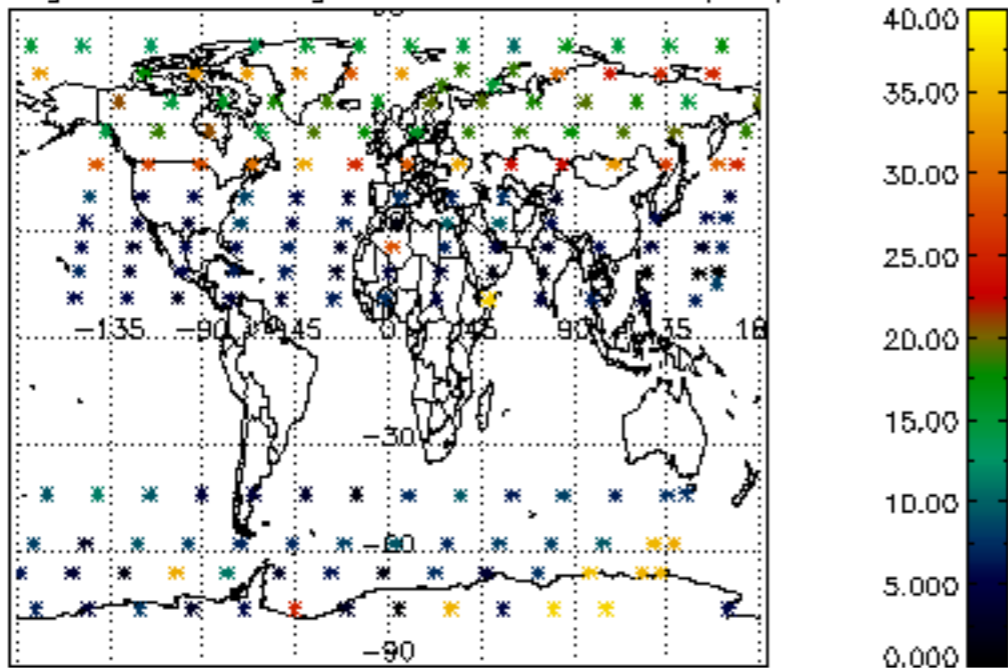
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

