

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	26APR2013 12:27:55
Data source version	GOMOS/6.01
Start time of products	04-09-2009 (04SEP2009 00:00:00)
Stop time of products	05-09-2009 (05SEP2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	175
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__2PRFIN20090904_000251_000000452082_00145_39277_3438.N1	04-SEP-2009 00:02:51	Bright	45.000	90	54Alp Peg	2.4870	11000.	90	39277	No
2	GOM_NL__2PRFIN20090904_000704_000000432082_00145_39277_3439.N1	04-SEP-2009 00:07:04	Bright	43.000	164	44Eta Peg	2.9480	5400.0	86	39277	No
3	GOM_NL__2PRFIN20090904_001739_000000432082_00145_39277_3440.N1	04-SEP-2009 00:17:39	Bright	43.000	74	11Bet Cas	2.2680	6600.0	86	39277	No
4	GOM_NL__2PRFIN20090904_001944_000000442082_00145_39277_3441.N1	04-SEP-2009 00:19:44	Bright	44.000	76	27Gam Cas	2.3000	30000.	88	39277	No
5	GOM_NL__2PRFIN20090904_003446_000000612082_00145_39277_3442.N1	04-SEP-2009 00:34:46	Bright	61.000	6	13Alp Aur	0.080000	3400.0	122	39277	No
6	GOM_NL__2PRFIN20090904_004403_000000602082_00145_39277_3443.N1	04-SEP-2009 00:44:03	Twi_and_stray	60.000	151	13Mu Gem	2.8900	3000.0	120	39277	No
7	GOM_NL__2PRFIN20090904_004552_000000542082_00145_39277_3444.N1	04-SEP-2009 00:45:52	Twi_and_stray	54.000	44	24Gam Gem	1.9280	11000.	108	39277	No
8	GOM_NL__2PRFIN20090904_005049_000000392082_00145_39277_3445.N1	04-SEP-2009 00:50:49	Dark	38.500	14	58Alp Ori	0.87000	3000.0	77	39277	No
9	GOM_NL__2PRFIN20090904_005544_000000552082_00145_39277_3446.N1	04-SEP-2009 00:55:44	Dark	54.500	1	9Alp CMa	-1.4400	11000.	109	39277	No
10	GOM_NL__2PRFIN20090904_005706_000000472082_00145_39277_3447.N1	04-SEP-2009 00:57:06	Dark	46.500	47	2Bet CMa	1.9760	28000.	93	39277	No
11	GOM_NL__2PRFIN20090904_010018_000000562082_00145_39277_3448.N1	04-SEP-2009 01:00:18	Dark	55.500	101	11Alp Lep	2.5820	7000.0	111	39277	No
12	GOM_NL__2PRFIN20090904_011517_000000552082_00146_39278_3452.N1	04-SEP-2009 01:15:17	Dark	55.000	157	The1Eri	2.9060	9300.0	110	39278	No
13	GOM_NL__2PRFIN20090904_012244_000000472082_00146_39278_3453.N1	04-SEP-2009 01:22:44	Straylight	47.000	84	Alp Phe	2.3970	4500.0	94	39278	No
14	GOM_NL__2PRFIN20090904_014327_000000512082_00146_39278_3454.N1	04-SEP-2009 01:43:27	Bright	51.000	90	54Alp Peg	2.4870	11000.	102	39278	No
15	GOM_NL__2PRFIN20090904_014739_000000412082_00146_39278_3455.N1	04-SEP-2009 01:47:39	Bright	40.500	164	44Eta Peg	2.9480	5400.0	81	39278	No
16	GOM_NL__2PRFIN20090904_015814_000000402082_00146_39278_3456.N1	04-SEP-2009 01:58:14	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	39278	No
17	GOM_NL__2PRFIN20090904_020019_000000452082_00146_39278_3457.N1	04-SEP-2009 02:00:19	Bright	45.000	76	27Gam Cas	2.3000	30000.	90	39278	No
18	GOM_NL__2PRFIN20090904_021521_000000592082_00146_39278_3458.N1	04-SEP-2009 02:15:21	Bright	59.000	6	13Alp Aur	0.080000	3400.0	118	39278	No
19	GOM_NL__2PRFIN20090904_021916_000000502082_00146_39278_3459.N1	04-SEP-2009 02:19:16	Bright	49.500	107	37The Aur	2.6490	11000.	99	39278	No
20	GOM_NL__2PRFIN20090904_022439_000000622082_00146_39278_3460.N1	04-SEP-2009 02:24:39	Twi_and_stray	62.000	151	13Mu Gem	2.8900	3000.0	124	39278	No
21	GOM_NL__2PRFIN20090904_022628_000000532082_00146_39278_3461.N1	04-SEP-2009 02:26:28	Twi_and_stray	53.000	44	24Gam Gem	1.9280	11000.	106	39278	No
22	GOM_NL__2PRFIN20090904_023125_000000352082_00146_39278_3462.N1	04-SEP-2009 02:31:25	Dark	35.000	14	58Alp Ori	0.87000	3000.0	70	39278	No
23	GOM_NL__2PRFIN20090904_023621_000000512082_00146_39278_3463.N1	04-SEP-2009 02:36:21	Dark	51.000	1	9Alp CMa	-1.4400	11000.	102	39278	No
24	GOM_NL__2PRFIN20090904_023743_000000502082_00146_39278_3464.N1	04-SEP-2009 02:37:43	Dark	49.500	47	2Bet CMa	1.9760	28000.	99	39278	No
25	GOM_NL__2PRFIN20090904_024055_000000572082_00146_39278_3465.N1	04-SEP-2009 02:40:55	Dark	56.500	101	11Alp Lep	2.5820	7000.0	113	39278	No
26	GOM_NL__2PRFIN20090904_043631_000000562082_00148_39280_3480.N1	04-SEP-2009 04:36:31	Dark	56.000	157	The1Eri	2.9060	9300.0	112	39280	No
27	GOM_NL__2PRFIN20090904_044357_000000472082_00148_39280_3481.N1	04-SEP-2009 04:43:57	Straylight	47.000	84	Alp Phe	2.3970	4500.0	94	39280	No
28	GOM_NL__2PRFIN20090904_050438_000000452082_00148_39280_3482.N1	04-SEP-2009 05:04:38	Bright	44.500	90	54Alp Peg	2.4870	11000.	89	39280	No
29	GOM_NL__2PRFIN20090904_050850_000000422082_00148_39280_3483.N1	04-SEP-2009 05:08:50	Bright	42.000	164	44Eta Peg	2.9480	5400.0	84	39280	No
30	GOM_NL__2PRFIN20090904_051925_000000442082_00148_39280_3484.N1	04-SEP-2009 05:19:25	Bright	43.500	74	11Bet Cas	2.2680	6600.0	87	39280	No
31	GOM_NL__2PRFIN20090904_052129_000000452082_00148_39280_3485.N1	04-SEP-2009 05:21:29	Bright	45.000	76	27Gam Cas	2.3000	30000.	90	39280	No
32	GOM_NL__2PRFIN20090904_053632_000000512082_00148_39280_3486.N1	04-SEP-2009 05:36:32	Bright	51.000	6	13Alp Aur	0.080000	3400.0	102	39280	No
33	GOM_NL__2PRFIN20090904_054552_000000552082_00148_39280_3487.N1	04-SEP-2009 05:45:52	Twi_and_stray	54.500	151	13Mu Gem	2.8900	3000.0	109	39280	No
34	GOM_NL__2PRFIN20090904_054741_000000512082_00148_39280_3488.N1	04-SEP-2009 05:47:41	Twi_and_stray	50.500	44	24Gam Gem	1.9280	11000.	101	39280	No
35	GOM_NL__2PRFIN20090904_055734_000000502082_00148_39280_3489.N1	04-SEP-2009 05:57:34	Dark	50.000	1	9Alp CMa	-1.4400	11000.	100	39280	No
36	GOM_NL__2PRFIN20090904_055857_000000482082_00148_39280_3490.N1	04-SEP-2009 05:58:57	Dark	48.000	47	2Bet CMa	1.9760	28000.	96	39280	No
37	GOM_NL__2PRFIN20090904_060210_000000572082_00148_39280_3491.N1	04-SEP-2009 06:02:10	Dark	57.000	101	11Alp Lep	2.5820	7000.0	114	39280	No
38	GOM_NL__2PRFIN20090904_061708_000000562082_00149_39281_3494.N1	04-SEP-2009 06:17:08	Dark	55.500	157	The1Eri	2.9060	9300.0	111	39281	No
39	GOM_NL__2PRFIN20090904_062434_000000492082_00149_39281_3495.N1	04-SEP-2009 06:24:34	Straylight	49.000	84	Alp Phe	2.3970	4500.0	98	39281	No
40	GOM_NL__2PRFIN20090904_064513_000000442082_00149_39281_3496.N1	04-SEP-2009 06:45:13	Bright	44.000	90	54Alp Peg	2.4870	11000.	88	39281	No
41	GOM_NL__2PRFIN20090904_064926_000000422082_00149_39281_3497.N1	04-SEP-2009 06:49:26	Bright	42.000	164	44Eta Peg	2.9480	5400.0	84	39281	No
42	GOM_NL__2PRFIN20090904_070000_000000432082_00149_39281_3498.N1	04-SEP-2009 07:00:00	Bright	43.000	74	11Bet Cas	2.2680	6600.0	86	39281	No

43	GOM_NL__2PRFIN20090904_070205_000000462082_00149_39281_3499.N1	04-SEP-2009 07:02:05	Bright	45.500	76	27Gam Cas	2.3000	30000.	91	39281	No
44	GOM_NL__2PRFIN20090904_071708_000000512082_00149_39281_3500.N1	04-SEP-2009 07:17:08	Bright	51.000	6	13Alp Aur	0.080000	3400.0	102	39281	No
45	GOM_NL__2PRFIN20090904_072628_000000552082_00149_39281_3501.N1	04-SEP-2009 07:26:28	Twi_and_stray	55.000	151	13Mu Gem	2.8900	3000.0	110	39281	No
46	GOM_NL__2PRFIN20090904_072817_000000522082_00149_39281_3502.N1	04-SEP-2009 07:28:17	Twi_and_stray	52.000	44	24Gam Gem	1.9280	11000.	104	39281	No
47	GOM_NL__2PRFIN20090904_073811_000000522082_00149_39281_3503.N1	04-SEP-2009 07:38:11	Dark	52.000	1	9Alp CMa	-1.4400	11000.	104	39281	No
48	GOM_NL__2PRFIN20090904_073933_000000512082_00149_39281_3504.N1	04-SEP-2009 07:39:33	Dark	50.500	47	2Bet CMa	1.9760	28000.	101	39281	No
49	GOM_NL__2PRFIN20090904_074247_000000582082_00149_39281_3505.N1	04-SEP-2009 07:42:47	Dark	57.500	101	11Alp Lep	2.5820	7000.0	115	39281	No
50	GOM_NL__2PRFIN20090904_075745_000000572082_00150_39282_3516.N1	04-SEP-2009 07:57:45	Dark	56.500	157	The1Eri	2.9060	9300.0	113	39282	No
51	GOM_NL__2PRFIN20090904_080510_000000462082_00150_39282_3517.N1	04-SEP-2009 08:05:10	Straylight	45.500	84	Alp Phe	2.3970	4500.0	91	39282	No
52	GOM_NL__2PRFIN20090904_082549_000000452082_00150_39282_3518.N1	04-SEP-2009 08:25:49	Bright	44.500	90	54Alp Peg	2.4870	11000.	89	39282	No
53	GOM_NL__2PRFIN20090904_083001_000000422082_00150_39282_3519.N1	04-SEP-2009 08:30:01	Bright	42.000	164	44Eta Peg	2.9480	5400.0	84	39282	No
54	GOM_NL__2PRFIN20090904_084035_000000432082_00150_39282_3520.N1	04-SEP-2009 08:40:35	Bright	43.000	74	11Bet Cas	2.2680	6600.0	86	39282	No
55	GOM_NL__2PRFIN20090904_084240_000000452082_00150_39282_3521.N1	04-SEP-2009 08:42:40	Bright	45.000	76	27Gam Cas	2.3000	30000.	90	39282	No
56	GOM_NL__2PRFIN20090904_085744_000000462082_00150_39282_3522.N1	04-SEP-2009 08:57:44	Bright	46.000	6	13Alp Aur	0.080000	3400.0	92	39282	No
57	GOM_NL__2PRFIN20090904_090705_000000622082_00150_39282_3523.N1	04-SEP-2009 09:07:05	Twi_and_stray	61.500	151	13Mu Gem	2.8900	3000.0	123	39282	No
58	GOM_NL__2PRFIN20090904_090854_000000522082_00150_39282_3524.N1	04-SEP-2009 09:08:54	Twi_and_stray	52.000	44	24Gam Gem	1.9280	11000.	104	39282	No
59	GOM_NL__2PRFIN20090904_091847_000000512082_00150_39282_3525.N1	04-SEP-2009 09:18:47	Dark	51.000	1	9Alp CMa	-1.4400	11000.	102	39282	No
60	GOM_NL__2PRFIN20090904_092010_000000492082_00150_39282_3526.N1	04-SEP-2009 09:20:10	Dark	49.000	47	2Bet CMa	1.9760	28000.	98	39282	No
61	GOM_NL__2PRFIN20090904_092325_000000612082_00150_39282_3527.N1	04-SEP-2009 09:23:25	Dark	61.000	101	11Alp Lep	2.5820	7000.0	122	39282	No
62	GOM_NL__2PRFIN20090904_093822_000000572082_00151_39283_3530.N1	04-SEP-2009 09:38:22	Dark	56.500	157	The1Eri	2.9060	9300.0	113	39283	No
63	GOM_NL__2PRFIN20090904_094547_000000452082_00151_39283_3531.N1	04-SEP-2009 09:45:47	Straylight	44.500	84	Alp Phe	2.3970	4500.0	89	39283	No
64	GOM_NL__2PRFIN20090904_100624_000000452082_00151_39283_3532.N1	04-SEP-2009 10:06:24	Bright	44.500	90	54Alp Peg	2.4870	11000.	89	39283	No
65	GOM_NL__2PRFIN20090904_101037_000000612082_00151_39283_3533.N1	04-SEP-2009 10:10:37	Bright	61.000	164	44Eta Peg	2.9480	5400.0	122	39283	No
66	GOM_NL__2PRFIN20090904_102111_000000442082_00151_39283_3534.N1	04-SEP-2009 10:21:11	Bright	43.500	74	11Bet Cas	2.2680	6600.0	87	39283	No
67	GOM_NL__2PRFIN20090904_102315_000000452082_00151_39283_3535.N1	04-SEP-2009 10:23:15	Bright	44.500	76	27Gam Cas	2.3000	30000.	89	39283	No
68	GOM_NL__2PRFIN20090904_103819_000000462082_00151_39283_3536.N1	04-SEP-2009 10:38:19	Bright	46.000	6	13Alp Aur	0.080000	3400.0	92	39283	No
69	GOM_NL__2PRFIN20090904_104741_000000652082_00151_39283_3537.N1	04-SEP-2009 10:47:41	Twi_and_stray	64.500	151	13Mu Gem	2.8900	3000.0	129	39283	No
70	GOM_NL__2PRFIN20090904_104930_000000522082_00151_39283_3538.N1	04-SEP-2009 10:49:30	Twi_and_stray	51.500	44	24Gam Gem	1.9280	11000.	103	39283	No
71	GOM_NL__2PRFIN20090904_105924_000000482082_00151_39283_3539.N1	04-SEP-2009 10:59:24	Dark	48.000	1	9Alp CMa	-1.4400	11000.	96	39283	No
72	GOM_NL__2PRFIN20090904_110047_000000502082_00151_39283_3540.N1	04-SEP-2009 11:00:47	Dark	50.000	47	2Bet CMa	1.9760	28000.	100	39283	No
73	GOM_NL__2PRFIN20090904_110402_000000632082_00151_39283_3541.N1	04-SEP-2009 11:04:02	Dark	62.500	101	11Alp Lep	2.5820	7000.0	125	39283	No
74	GOM_NL__2PRFIN20090904_111859_000000572082_00152_39284_3545.N1	04-SEP-2009 11:18:59	Dark	57.000	157	The1Eri	2.9060	9300.0	114	39284	No
75	GOM_NL__2PRFIN20090904_112623_000000452082_00152_39284_3546.N1	04-SEP-2009 11:26:23	Straylight	44.500	84	Alp Phe	2.3970	4500.0	89	39284	No
76	GOM_NL__2PRFIN20090904_114700_000000442082_00152_39284_3547.N1	04-SEP-2009 11:47:00	Bright	43.500	90	54Alp Peg	2.4870	11000.	87	39284	No
77	GOM_NL__2PRFIN20090904_115112_000000602082_00152_39284_3548.N1	04-SEP-2009 11:51:12	Bright	59.500	164	44Eta Peg	2.9480	5400.0	119	39284	No
78	GOM_NL__2PRFIN20090904_120146_000000452082_00152_39284_3549.N1	04-SEP-2009 12:01:46	Bright	44.500	74	11Bet Cas	2.2680	6600.0	89	39284	No
79	GOM_NL__2PRFIN20090904_120350_000000462082_00152_39284_3550.N1	04-SEP-2009 12:03:50	Bright	45.500	76	27Gam Cas	2.3000	30000.	91	39284	No
80	GOM_NL__2PRFIN20090904_121855_000000412082_00152_39284_3551.N1	04-SEP-2009 12:18:55	Bright	41.000	6	13Alp Aur	0.080000	3400.0	82	39284	No
81	GOM_NL__2PRFIN20090904_122252_000000722082_00152_39284_3552.N1	04-SEP-2009 12:22:52	Bright	72.000	107	37The Aur	2.6490	11000.	144	39284	No
82	GOM_NL__2PRFIN20090904_122817_000000612082_00152_39284_3553.N1	04-SEP-2009 12:28:17	Twi_and_stray	60.500	151	13Mu Gem	2.8900	3000.0	121	39284	No
83	GOM_NL__2PRFIN20090904_123006_000000542082_00152_39284_3554.N1	04-SEP-2009 12:30:06	Twi_and_stray	54.000	44	24Gam Gem	1.9280	11000.	108	39284	No
84	GOM_NL__2PRFIN20090904_124000_000000512082_00152_39284_3555.N1	04-SEP-2009 12:40:00	Dark	51.000	1	9Alp CMa	-1.4400	11000.	102	39284	No
85	GOM_NL__2PRFIN20090904_124124_000000472082_00152_39284_3556.N1	04-SEP-2009 12:41:24	Dark	46.500	47	2Bet CMa	1.9760	28000.	93	39284	No
86	GOM_NL__2PRFIN20090904_124439_000000592082_00152_39284_3557.N1	04-SEP-2009 12:44:39	Dark	58.500	101	11Alp Lep	2.5820	7000.0	117	39284	No
87	GOM_NL__2PRFIN20090904_125936_000000562082_00153_39285_3565.N1	04-SEP-2009 12:59:36	Dark	55.500	157	The1Eri	2.9060	9300.0	111	39285	No
88	GOM_NL__2PRFIN20090904_130659_000000492082_00153_39285_3566.N1	04-SEP-2009 13:06:59	Straylight	49.000	84	Alp Phe	2.3970	4500.0	98	39285	No
89	GOM_NL__2PRFIN20090904_132735_000000462082_00153_39285_3567.N1	04-SEP-2009 13:27:35	Bright	46.000	90	54Alp Peg	2.4870	11000.	92	39285	No
90	GOM_NL__2PRFIN20090904_133148_000000612082_00153_39285_3568.N1	04-SEP-2009 13:31:48	Bright	61.000	164	44Eta Peg	2.9480	5400.0	122	39285	No
91	GOM_NL__2PRFIN20090904_134221_000000452082_00153_39285_3569.N1	04-SEP-2009 13:42:21	Bright	45.000	74	11Bet Cas	2.2680	6600.0	90	39285	No
92	GOM_NL__2PRFIN20090904_134425_000000452082_00153_39285_3570.N1	04-SEP-2009 13:44:25	Bright	45.000	76	27Gam Cas	2.3000	30000.	90	39285	No
93	GOM_NL__2PRFIN20090904_135931_000000412082_00153_39285_3571.N1	04-SEP-2009 13:59:31	Bright	41.000	6	13Alp Aur	0.080000	3400.0	82	39285	No
94	GOM_NL__2PRFIN20090904_140328_000000722082_00153_39285_3572.N1	04-SEP-2009 14:03:28	Bright	72.000	107	37The Aur	2.6490	11000.	144	39285	No
95	GOM_NL__2PRFIN20090904_140854_000000612082_00153_39285_3573.N1	04-SEP-2009 14:08:54	Twi_and_stray	61.000	151	13Mu Gem	2.8900	3000.0	122	39285	No
96	GOM_NL__2PRFIN20090904_141043_000000542082_00153_39285_3574.N1	04-SEP-2009 14:10:43	Twi_and_stray	53.500	44	24Gam Gem	1.9280	11000.	107	39285	No
97	GOM_NL__2PRFIN20090904_142037_000000512082_00153_39285_3575.N1	04-SEP-2009 14:20:37	Dark	50.500	1	9Alp CMa	-1.4400	11000.	101	39285	No
98	GOM_NL__2PRFIN20090904_142200_000000522082_00153_39285_3576.N1	04-SEP-2009 14:22:00	Dark	52.000	47	2Bet CMa	1.9760	28000.	104	39285	No
99	GOM_NL__2PRFIN20090904_142516_000000582082_00153_39285_3577.N1	04-SEP-2009 14:25:16	Dark	57.500	101	11Alp Lep	2.5820	7000.0	115	39285	No
100	GOM_NL__2PRFIN20090904_144013_000000562082_00154_39286_3599.N1	04-SEP-2009 14:40:13	Dark	56.000	157	The1Eri	2.9060	9300.0	112	39286	No
101	GOM_NL__2PRFIN20090904_144736_000000492082_00154_39286_3600.N1	04-SEP-2009 14:47:36	Straylight	49.000	84	Alp Phe	2.3970	4500.0	98	39286	No

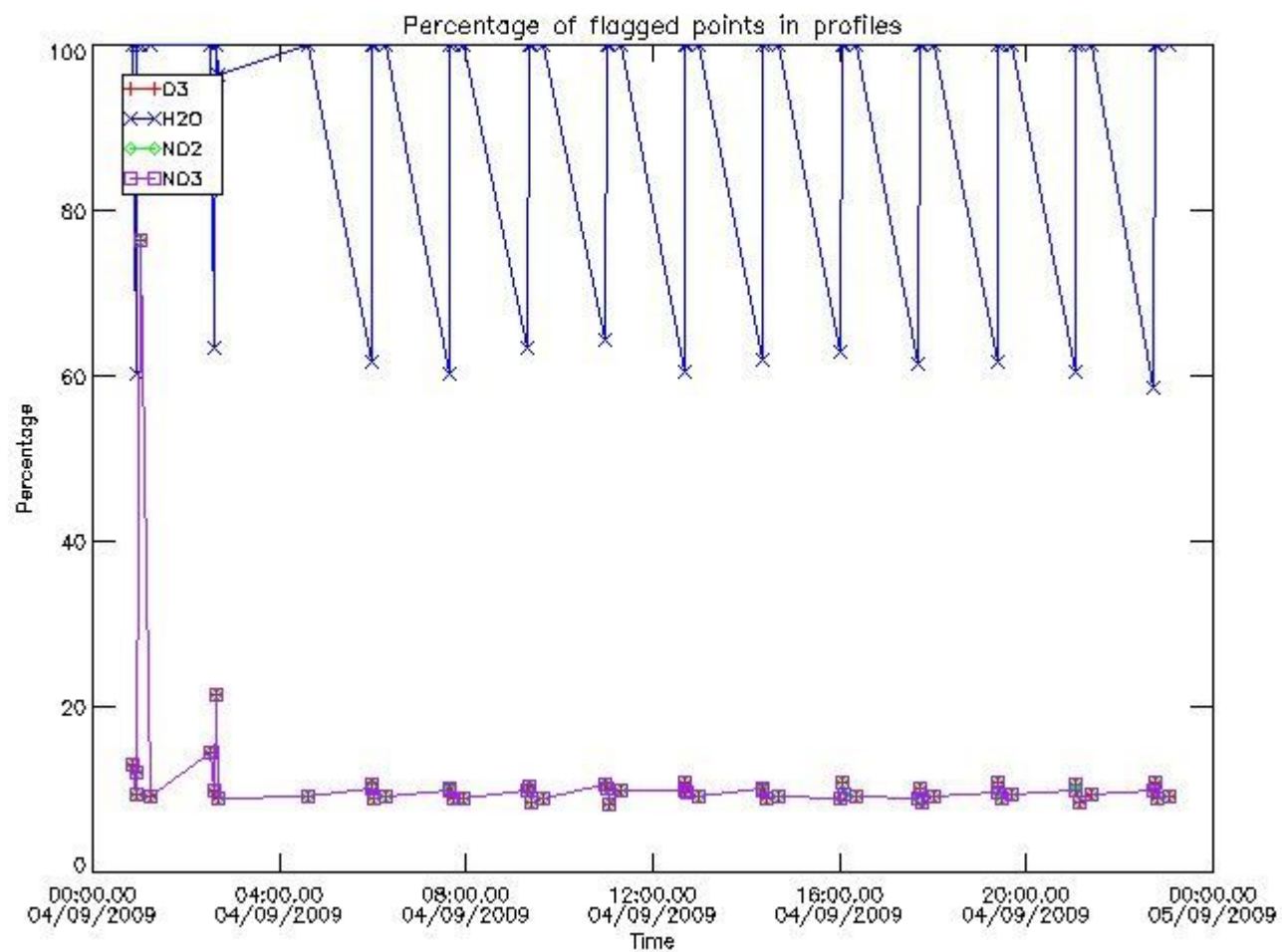
102	GOM_NL__2PRFIN20090904_150811_000000452082_00154_39286_3601.N1	04-SEP-2009 15:08:11	Bright	44.500	90	54Alp Peg	2.4870	11000.	89	39286	No
103	GOM_NL__2PRFIN20090904_151224_000000412082_00154_39286_3602.N1	04-SEP-2009 15:12:24	Bright	40.500	164	44Eta Peg	2.9480	5400.0	81	39286	No
104	GOM_NL__2PRFIN20090904_152257_000000422082_00154_39286_3603.N1	04-SEP-2009 15:22:57	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	39286	No
105	GOM_NL__2PRFIN20090904_152501_000000462082_00154_39286_3604.N1	04-SEP-2009 15:25:01	Bright	45.500	76	27Gam Cas	2.3000	30000.	91	39286	No
106	GOM_NL__2PRFIN20090904_154006_000000362082_00154_39286_3605.N1	04-SEP-2009 15:40:06	Twi_and_stray	36.000	6	13Alp Aur	0.080000	3400.0	72	39286	No
107	GOM_NL__2PRFIN20090904_154106_000000492082_00154_39286_3606.N1	04-SEP-2009 15:41:06	Bright	49.000	42	34Bet Aur	1.9000	10200.	98	39286	No
108	GOM_NL__2PRFIN20090904_154404_000000502082_00154_39286_3607.N1	04-SEP-2009 15:44:04	Bright	50.000	107	37The Aur	2.6490	11000.	100	39286	No
109	GOM_NL__2PRFIN20090904_154930_000000582082_00154_39286_3608.N1	04-SEP-2009 15:49:30	Twi_and_stray	58.000	151	13Mu Gem	2.8900	3000.0	116	39286	No
110	GOM_NL__2PRFIN20090904_155119_000000512082_00154_39286_3609.N1	04-SEP-2009 15:51:19	Twi_and_stray	50.500	44	24Gam Gem	1.9280	11000.	101	39286	No
111	GOM_NL__2PRFIN20090904_160114_000000572082_00154_39286_3610.N1	04-SEP-2009 16:01:14	Dark	57.000	1	9Alp CMA	-1.4400	11000.	114	39286	No
112	GOM_NL__2PRFIN20090904_160237_000000482082_00154_39286_3611.N1	04-SEP-2009 16:02:37	Dark	47.500	47	2Bet CMA	1.9760	28000.	95	39286	No
113	GOM_NL__2PRFIN20090904_160554_000000602082_00154_39286_3612.N1	04-SEP-2009 16:05:54	Dark	60.000	101	11Alp Lep	2.5820	7000.0	120	39286	No
114	GOM_NL__2PRFIN20090904_162051_000000552082_00155_39287_3613.N1	04-SEP-2009 16:20:51	Dark	55.000	157	The1Eri	2.9060	9300.0	110	39287	No
115	GOM_NL__2PRFIN20090904_162813_000000452082_00155_39287_3614.N1	04-SEP-2009 16:28:13	Straylight	45.000	84	Alp Phe	2.3970	4500.0	90	39287	No
116	GOM_NL__2PRFIN20090904_164846_000000522082_00155_39287_3615.N1	04-SEP-2009 16:48:46	Bright	52.000	90	54Alp Peg	2.4870	11000.	104	39287	No
117	GOM_NL__2PRFIN20090904_165259_000000612082_00155_39287_3616.N1	04-SEP-2009 16:52:59	Bright	61.000	164	44Eta Peg	2.9480	5400.0	122	39287	No
118	GOM_NL__2PRFIN20090904_170332_000000422082_00155_39287_3617.N1	04-SEP-2009 17:03:32	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	39287	No
119	GOM_NL__2PRFIN20090904_170536_000000472082_00155_39287_3618.N1	04-SEP-2009 17:05:36	Bright	46.500	76	27Gam Cas	2.3000	30000.	93	39287	No
120	GOM_NL__2PRFIN20090904_172042_000000362082_00155_39287_3619.N1	04-SEP-2009 17:20:42	Twi_and_stray	36.000	6	13Alp Aur	0.080000	3400.0	72	39287	No
121	GOM_NL__2PRFIN20090904_172142_000000512082_00155_39287_3620.N1	04-SEP-2009 17:21:42	Bright	50.500	42	34Bet Aur	1.9000	10200.	101	39287	No
122	GOM_NL__2PRFIN20090904_172440_000000512082_00155_39287_3621.N1	04-SEP-2009 17:24:40	Bright	51.000	107	37The Aur	2.6490	11000.	102	39287	No
123	GOM_NL__2PRFIN20090904_173006_000000652082_00155_39287_3622.N1	04-SEP-2009 17:30:06	Twi_and_stray	64.500	151	13Mu Gem	2.8900	3000.0	129	39287	No
124	GOM_NL__2PRFIN20090904_173156_000000512082_00155_39287_3623.N1	04-SEP-2009 17:31:56	Twi_and_stray	51.000	44	24Gam Gem	1.9280	11000.	102	39287	No
125	GOM_NL__2PRFIN20090904_174150_000000582082_00155_39287_3624.N1	04-SEP-2009 17:41:50	Dark	57.500	1	9Alp CMA	-1.4400	11000.	115	39287	No
126	GOM_NL__2PRFIN20090904_174314_000000502082_00155_39287_3625.N1	04-SEP-2009 17:43:14	Dark	50.000	47	2Bet CMA	1.9760	28000.	100	39287	No
127	GOM_NL__2PRFIN20090904_174631_000000612082_00155_39287_3626.N1	04-SEP-2009 17:46:31	Dark	60.500	101	11Alp Lep	2.5820	7000.0	121	39287	No
128	GOM_NL__2PRFIN20090904_180128_000000552082_00156_39288_3629.N1	04-SEP-2009 18:01:28	Dark	55.000	157	The1Eri	2.9060	9300.0	110	39288	No
129	GOM_NL__2PRFIN20090904_180849_000000472082_00156_39288_3630.N1	04-SEP-2009 18:08:49	Straylight	47.000	84	Alp Phe	2.3970	4500.0	94	39288	No
130	GOM_NL__2PRFIN20090904_182922_000000442082_00156_39288_3631.N1	04-SEP-2009 18:29:22	Bright	44.000	90	54Alp Peg	2.4870	11000.	88	39288	No
131	GOM_NL__2PRFIN20090904_183335_000000612082_00156_39288_3632.N1	04-SEP-2009 18:33:35	Bright	61.000	164	44Eta Peg	2.9480	5400.0	122	39288	No
132	GOM_NL__2PRFIN20090904_184408_000000452082_00156_39288_3633.N1	04-SEP-2009 18:44:08	Bright	44.500	74	11Bet Cas	2.2680	6600.0	89	39288	No
133	GOM_NL__2PRFIN20090904_184612_000000452082_00156_39288_3634.N1	04-SEP-2009 18:46:12	Bright	45.000	76	27Gam Cas	2.3000	30000.	90	39288	No
134	GOM_NL__2PRFIN20090904_190117_000000312082_00156_39288_3635.N1	04-SEP-2009 19:01:17	Twi_and_stray	31.000	6	13Alp Aur	0.080000	3400.0	62	39288	No
135	GOM_NL__2PRFIN20090904_190218_000000482082_00156_39288_3636.N1	04-SEP-2009 19:02:18	Bright	48.000	42	34Bet Aur	1.9000	10200.	96	39288	No
136	GOM_NL__2PRFIN20090904_190516_000000512082_00156_39288_3637.N1	04-SEP-2009 19:05:16	Bright	50.500	107	37The Aur	2.6490	11000.	101	39288	No
137	GOM_NL__2PRFIN20090904_191042_000000562082_00156_39288_3638.N1	04-SEP-2009 19:10:42	Twi_and_stray	55.500	151	13Mu Gem	2.8900	3000.0	111	39288	No
138	GOM_NL__2PRFIN20090904_191232_000000482082_00156_39288_3639.N1	04-SEP-2009 19:12:32	Twi_and_stray	47.500	44	24Gam Gem	1.9280	11000.	95	39288	No
139	GOM_NL__2PRFIN20090904_192227_000000532082_00156_39288_3640.N1	04-SEP-2009 19:22:27	Dark	52.500	1	9Alp CMA	-1.4400	11000.	105	39288	No
140	GOM_NL__2PRFIN20090904_192351_000000482082_00156_39288_3641.N1	04-SEP-2009 19:23:51	Dark	47.500	47	2Bet CMA	1.9760	28000.	95	39288	No
141	GOM_NL__2PRFIN20090904_192708_000000572082_00156_39288_3642.N1	04-SEP-2009 19:27:08	Dark	57.000	101	11Alp Lep	2.5820	7000.0	114	39288	No
142	GOM_NL__2PRFIN20090904_194205_000000542082_00157_39289_3646.N1	04-SEP-2009 19:42:05	Dark	54.000	157	The1Eri	2.9060	9300.0	108	39289	No
143	GOM_NL__2PRFIN20090904_194926_000000522082_00157_39289_3647.N1	04-SEP-2009 19:49:26	Straylight	52.000	84	Alp Phe	2.3970	4500.0	104	39289	No
144	GOM_NL__2PRFIN20090904_200957_000000452082_00157_39289_3648.N1	04-SEP-2009 20:09:57	Bright	45.000	90	54Alp Peg	2.4870	11000.	90	39289	No
145	GOM_NL__2PRFIN20090904_201410_000000402082_00157_39289_3649.N1	04-SEP-2009 20:14:10	Bright	40.000	164	44Eta Peg	2.9480	5400.0	80	39289	No
146	GOM_NL__2PRFIN20090904_202443_000000402082_00157_39289_3650.N1	04-SEP-2009 20:24:43	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	39289	No
147	GOM_NL__2PRFIN20090904_202647_000000422082_00157_39289_3651.N1	04-SEP-2009 20:26:47	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	39289	No
148	GOM_NL__2PRFIN20090904_204153_000000312082_00157_39289_3652.N1	04-SEP-2009 20:41:53	Twi_and_stray	31.000	6	13Alp Aur	0.080000	3400.0	62	39289	No
149	GOM_NL__2PRFIN20090904_204253_000000442082_00157_39289_3653.N1	04-SEP-2009 20:42:53	Bright	43.500	42	34Bet Aur	1.9000	10200.	87	39289	No
150	GOM_NL__2PRFIN20090904_204552_000000472082_00157_39289_3654.N1	04-SEP-2009 20:45:52	Bright	47.000	107	37The Aur	2.6490	11000.	94	39289	No
151	GOM_NL__2PRFIN20090904_205119_000000582082_00157_39289_3655.N1	04-SEP-2009 20:51:19	Twi_and_stray	57.500	151	13Mu Gem	2.8900	3000.0	115	39289	No
152	GOM_NL__2PRFIN20090904_205308_000000532082_00157_39289_3656.N1	04-SEP-2009 20:53:08	Twi_and_stray	53.000	44	24Gam Gem	1.9280	11000.	106	39289	No
153	GOM_NL__2PRFIN20090904_210304_000000512082_00157_39289_3657.N1	04-SEP-2009 21:03:04	Dark	51.000	1	9Alp CMA	-1.4400	11000.	102	39289	No
154	GOM_NL__2PRFIN20090904_210428_000000482082_00157_39289_3658.N1	04-SEP-2009 21:04:28	Dark	48.000	47	2Bet CMA	1.9760	28000.	96	39289	No
155	GOM_NL__2PRFIN20090904_210746_000000612082_00157_39289_3659.N1	04-SEP-2009 21:07:46	Dark	61.000	101	11Alp Lep	2.5820	7000.0	122	39289	No
156	GOM_NL__2PRFIN20090904_212242_000000542082_00158_39290_3664.N1	04-SEP-2009 21:22:42	Dark	54.000	157	The1Eri	2.9060	9300.0	108	39290	No
157	GOM_NL__2PRFIN20090904_213002_000000452082_00158_39290_3665.N1	04-SEP-2009 21:30:02	Straylight	44.500	84	Alp Phe	2.3970	4500.0	89	39290	No
158	GOM_NL__2PRFIN20090904_215033_000000452082_00158_39290_3666.N1	04-SEP-2009 21:50:33	Bright	45.000	90	54Alp Peg	2.4870	11000.	90	39290	No
159	GOM_NL__2PRFIN20090904_215446_000000402082_00158_39290_3667.N1	04-SEP-2009 21:54:46	Bright	40.000	164	44Eta Peg	2.9480	5400.0	80	39290	No
160	GOM_NL__2PRFIN20090904_220518_000000452082_00158_39290_3668.N1	04-SEP-2009 22:05:18	Bright	44.500	74	11Bet Cas	2.2680	6600.0	89	39290	No

161	GOM_NL__2PRFIN20090904_220722_000000412082_00158_39290_3669.N1	04-SEP-2009 22:07:22	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	39290	No
162	GOM_NL__2PRFIN20090904_222228_000000262082_00158_39290_3670.N1	04-SEP-2009 22:22:28	Twilight	26.000	6	13Alp Aur	0.080000	3400.0	52	39290	No
163	GOM_NL__2PRFIN20090904_222329_000000622082_00158_39290_3671.N1	04-SEP-2009 22:23:29	Bright	62.000	42	34Bet Aur	1.9000	10200.	124	39290	No
164	GOM_NL__2PRFIN20090904_222627_000000522082_00158_39290_3672.N1	04-SEP-2009 22:26:27	Bright	52.000	107	37The Aur	2.6490	11000.	104	39290	No
165	GOM_NL__2PRFIN20090904_223155_000000612082_00158_39290_3673.N1	04-SEP-2009 22:31:55	Twilight	61.000	151	13Mu Gem	2.8900	3000.0	122	39290	No
166	GOM_NL__2PRFIN20090904_223345_000000522082_00158_39290_3674.N1	04-SEP-2009 22:33:45	Twilight	51.500	44	24Gam Gem	1.9280	11000.	103	39290	No
167	GOM_NL__2PRFIN20090904_224340_000000512082_00158_39290_3675.N1	04-SEP-2009 22:43:40	Dark	51.000	1	9Alp CMa	-1.4400	11000.	102	39290	No
168	GOM_NL__2PRFIN20090904_224504_000000472082_00158_39290_3676.N1	04-SEP-2009 22:45:04	Dark	47.000	47	2Bet CMa	1.9760	28000.	94	39290	No
169	GOM_NL__2PRFIN20090904_224823_000000632082_00158_39290_3677.N1	04-SEP-2009 22:48:23	Dark	62.500	101	11Alp Lep	2.5820	7000.0	125	39290	No
170	GOM_NL__2PRFIN20090904_230319_000000562082_00159_39291_3683.N1	04-SEP-2009 23:03:19	Dark	55.500	157	The1Eri	2.9060	9300.0	111	39291	No
171	GOM_NL__2PRFIN20090904_231038_000000472082_00159_39291_3684.N1	04-SEP-2009 23:10:38	Straylight	47.000	84	Alp Phe	2.3970	4500.0	94	39291	No
172	GOM_NL__2PRFIN20090904_233109_000000442082_00159_39291_3685.N1	04-SEP-2009 23:31:09	Bright	44.000	90	54Alp Peg	2.4870	11000.	88	39291	No
173	GOM_NL__2PRFIN20090904_233521_000000612082_00159_39291_3686.N1	04-SEP-2009 23:35:21	Bright	61.000	164	44Eta Peg	2.9480	5400.0	122	39291	No
174	GOM_NL__2PRFIN20090904_234553_000000442082_00159_39291_3687.N1	04-SEP-2009 23:45:53	Bright	44.000	74	11Bet Cas	2.2680	6600.0	88	39291	No
175	GOM_NL__2PRFIN20090904_234757_000000452082_00159_39291_3688.N1	04-SEP-2009 23:47:57	Bright	44.500	76	27Gam Cas	2.3000	30000.	89	39291	No

3. Quality information per product

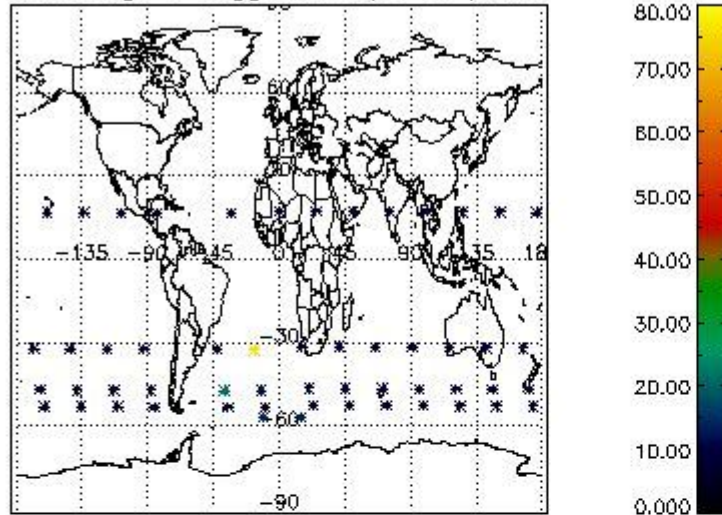
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

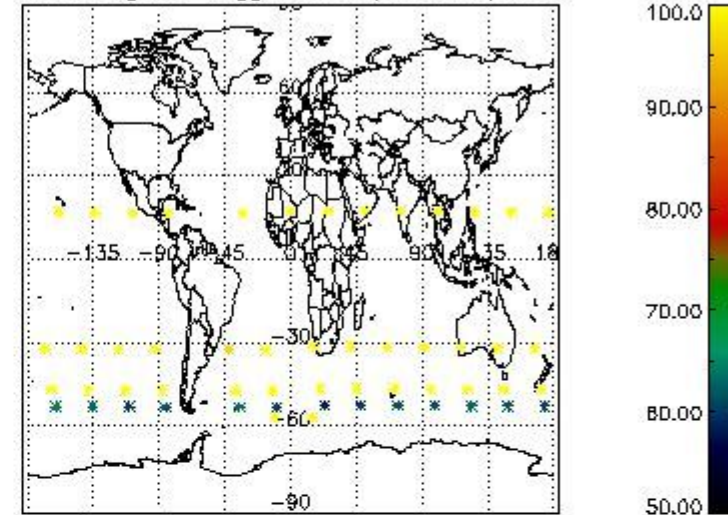


3.2 Plot quality information per product (world map)

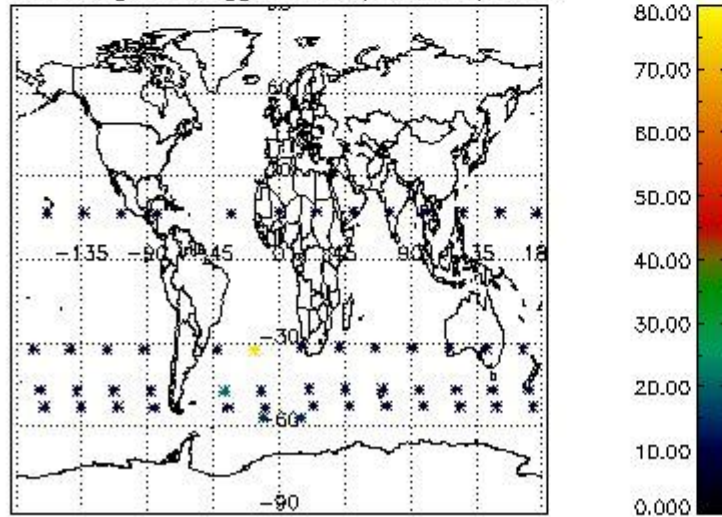
Percentage of flagged data per O3 profile



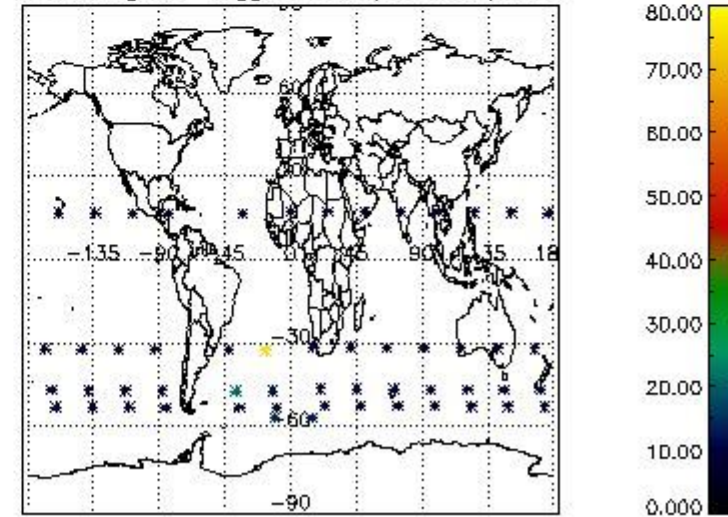
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

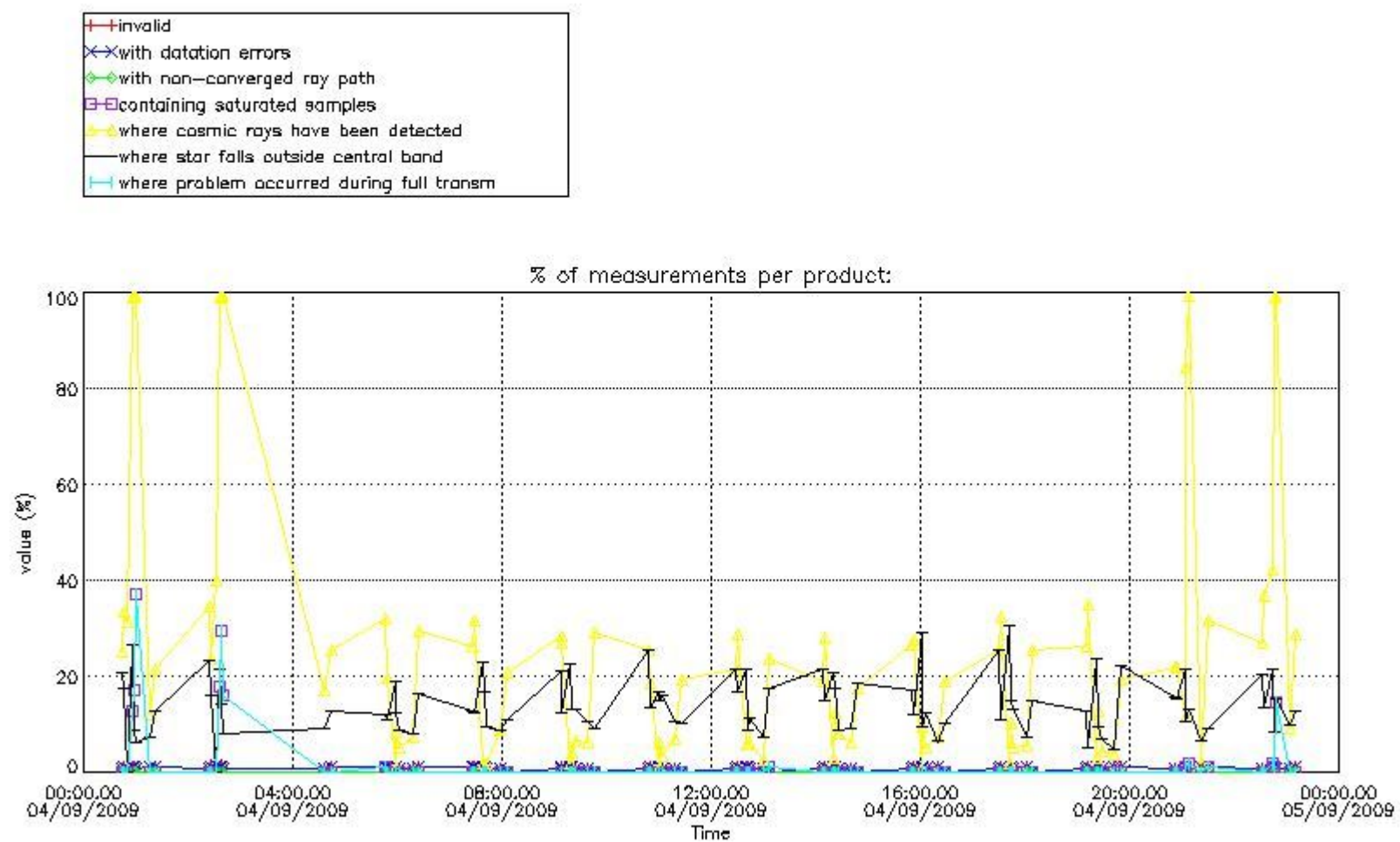


4. Level 1 quality information per product

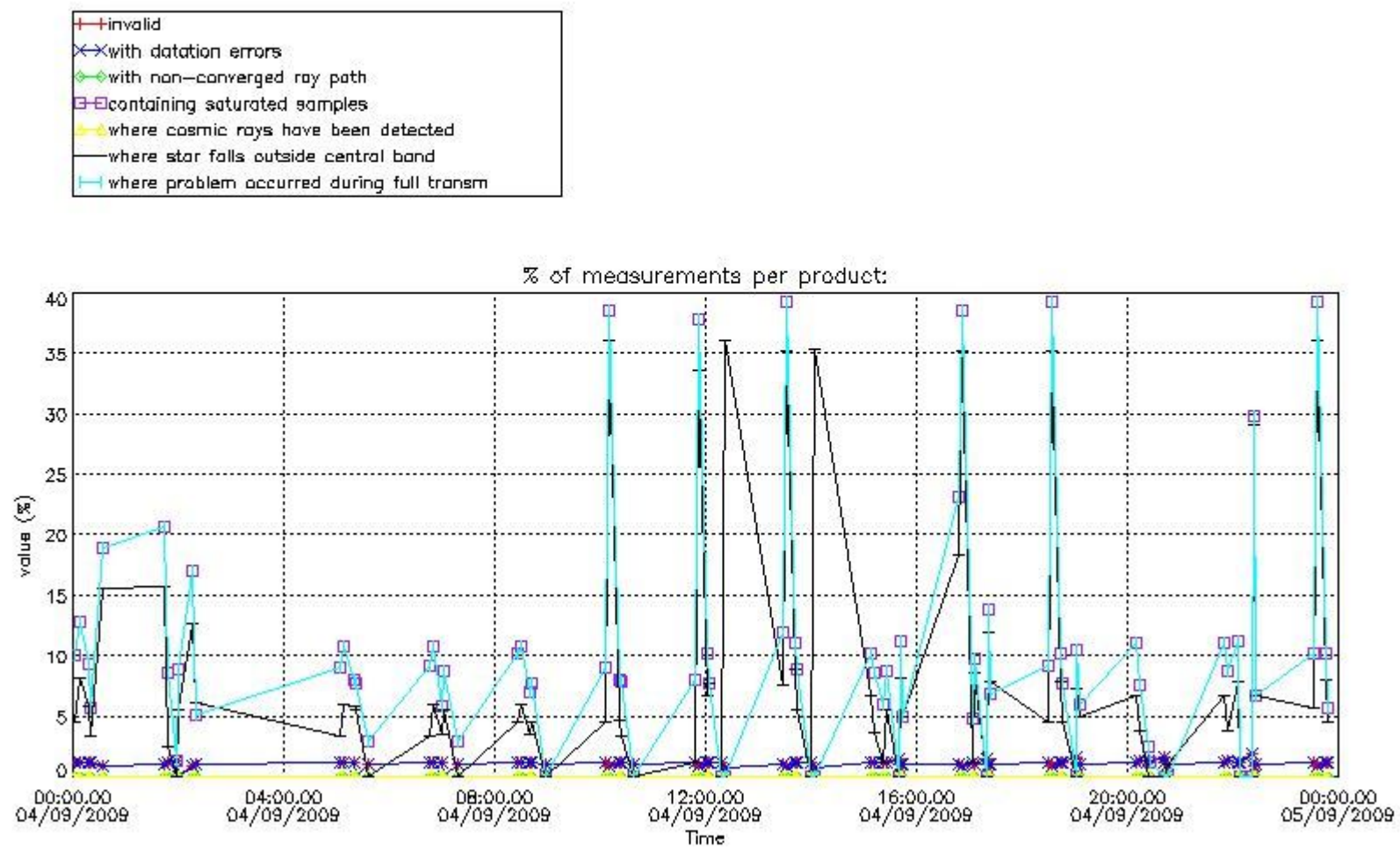
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



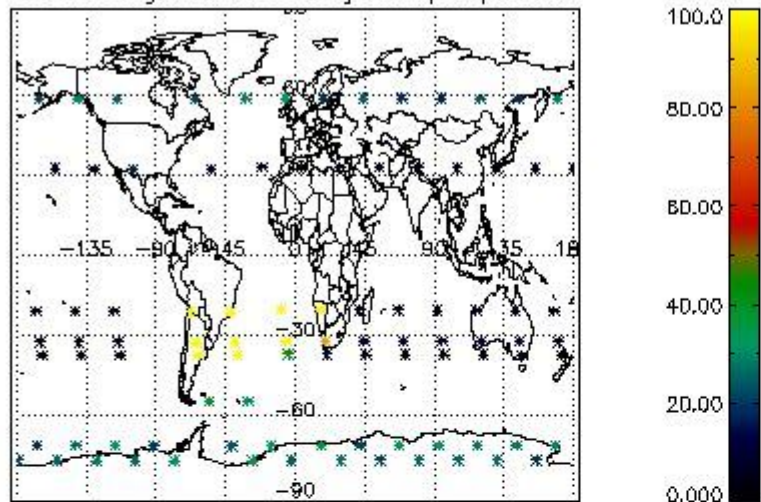
4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



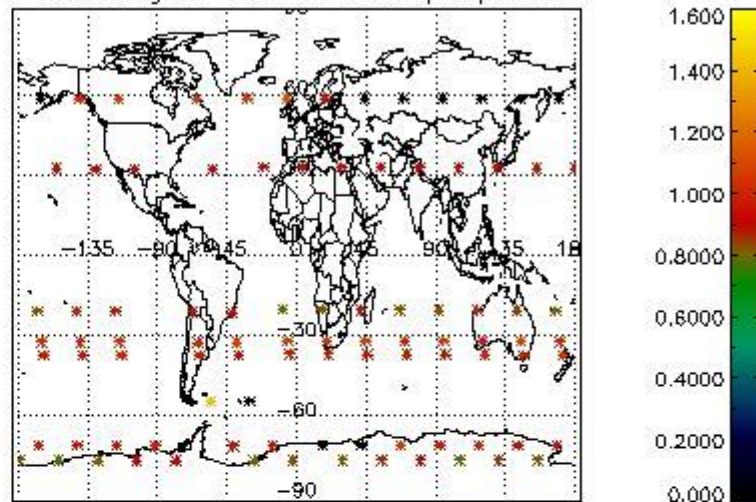
4.2 Plot quality information per product coming from level 1b processing (world map)

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

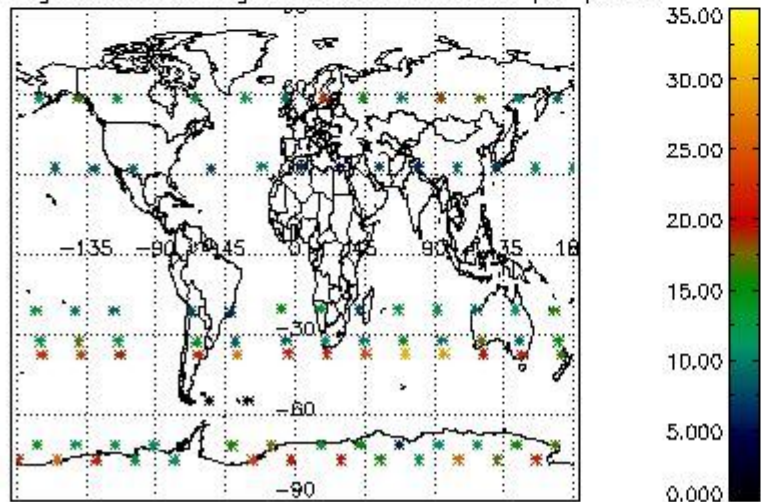
Percentage of cosmic ray hits per profile



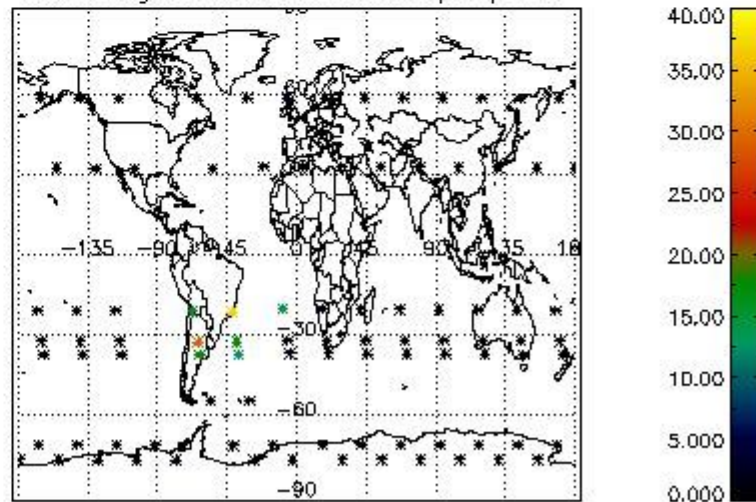
Percentage of datation errors per profile



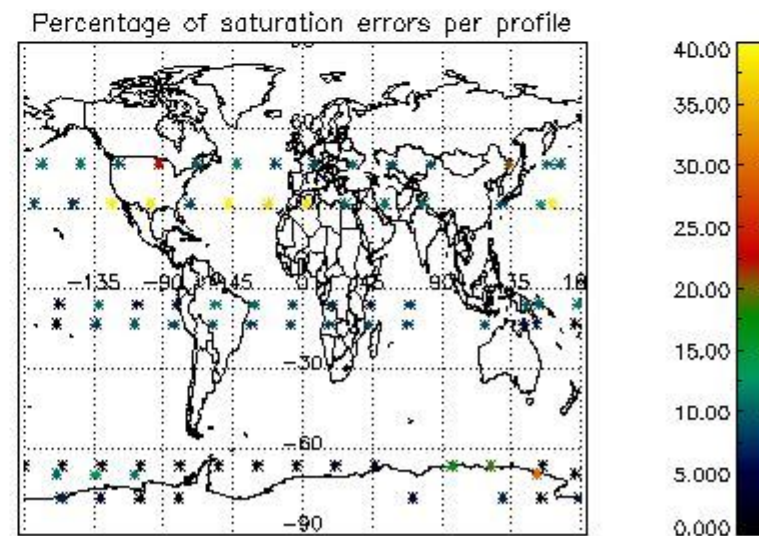
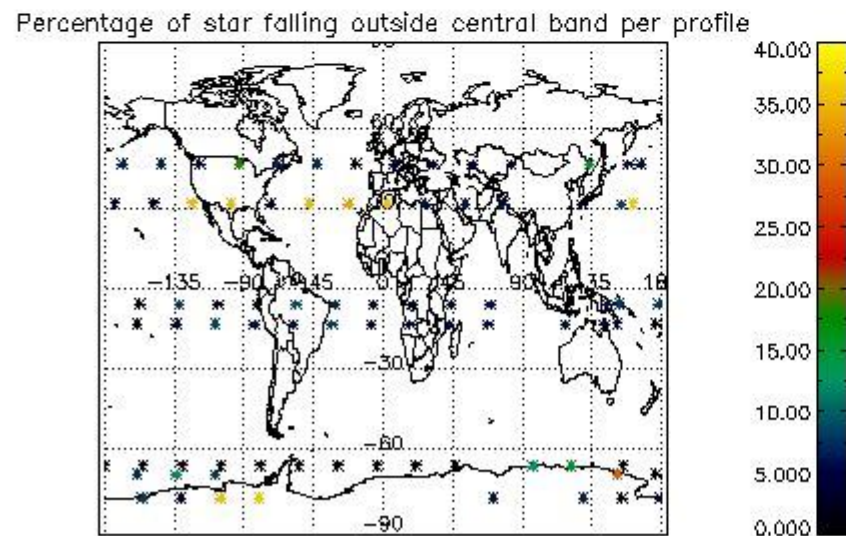
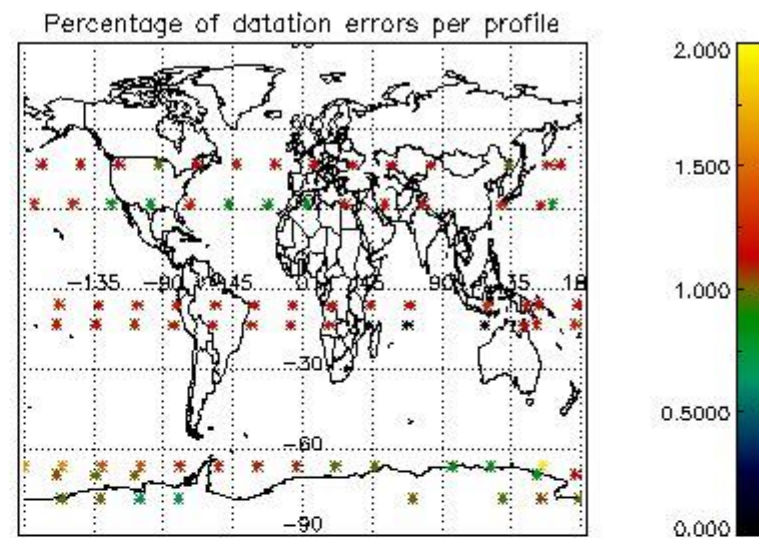
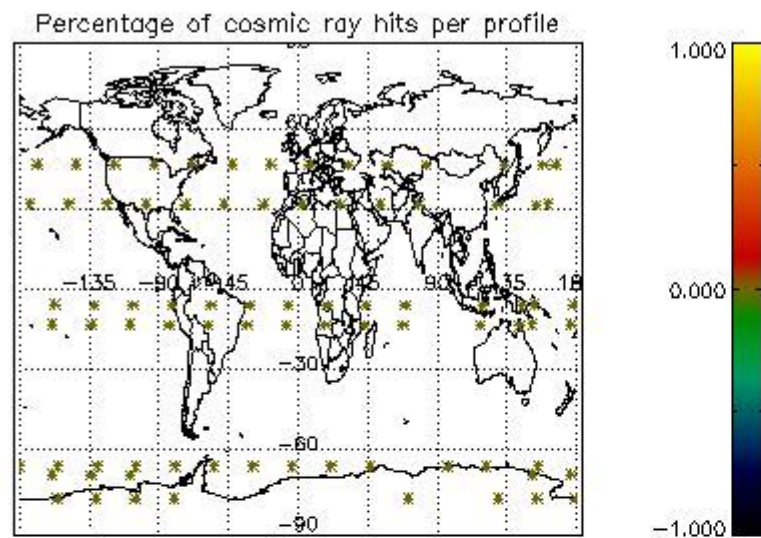
Percentage of star falling outside central band per profile



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

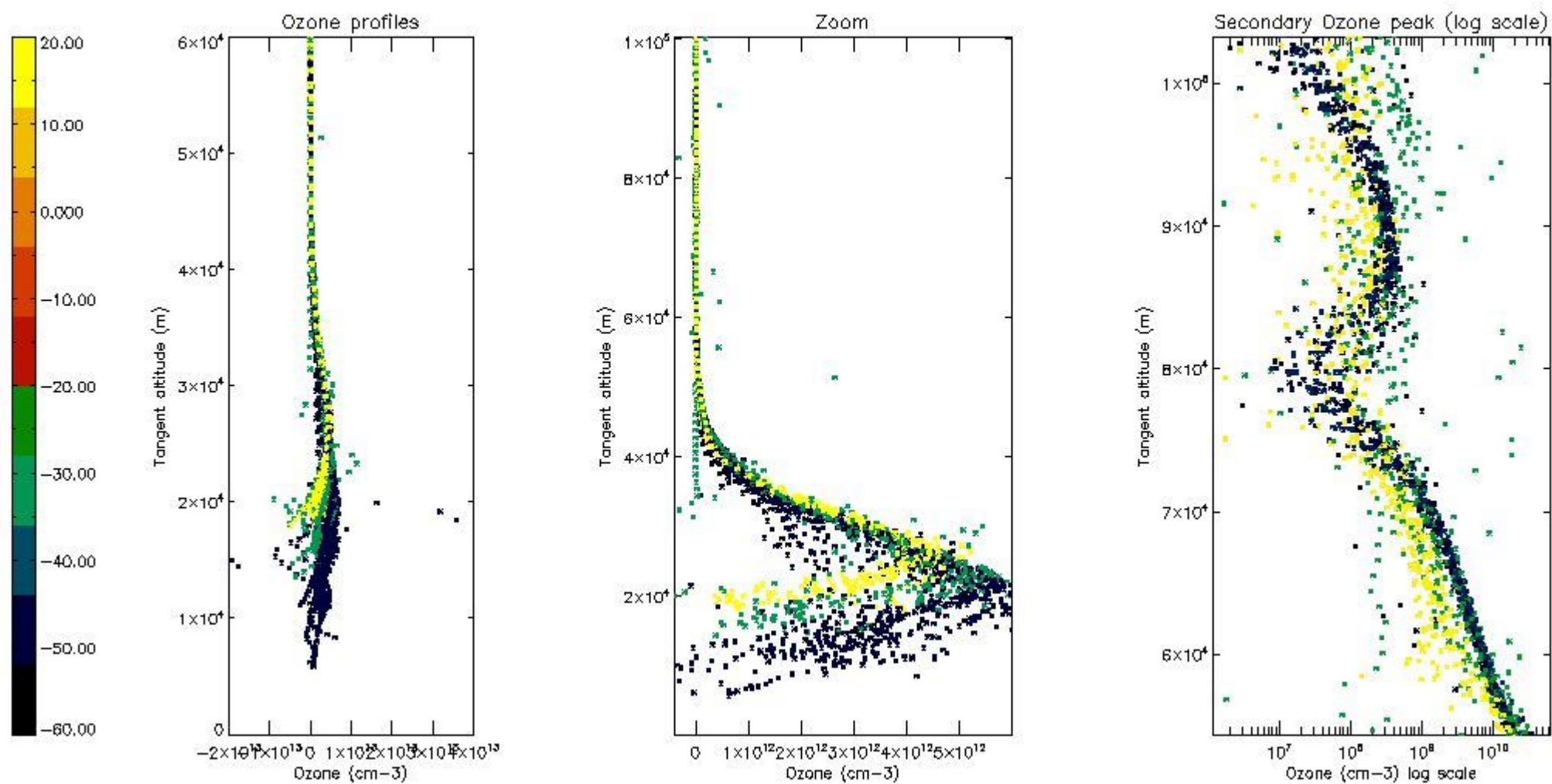
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	33
STD < 20	17

STD < 10	14
STD < 5	9

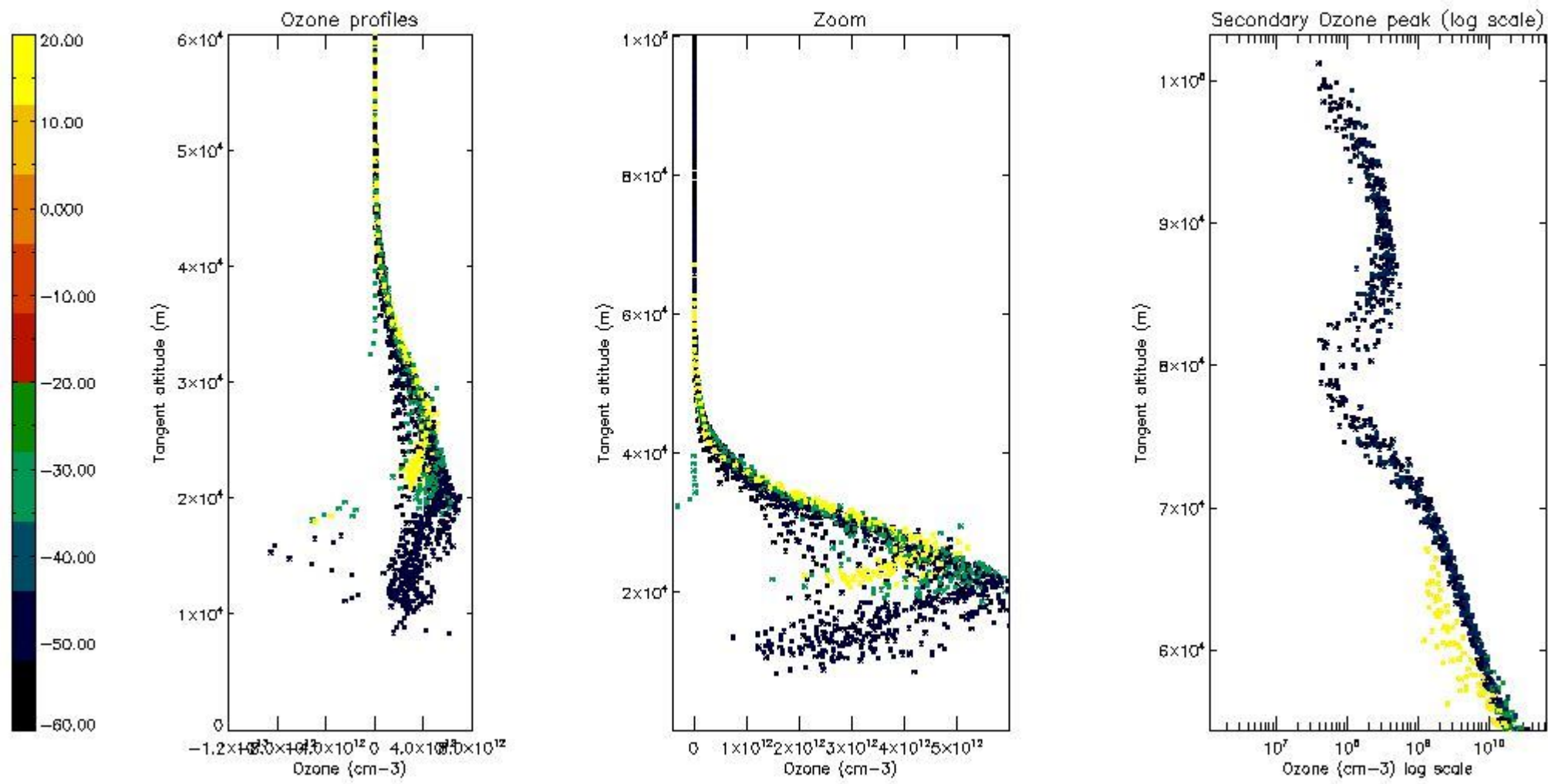
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



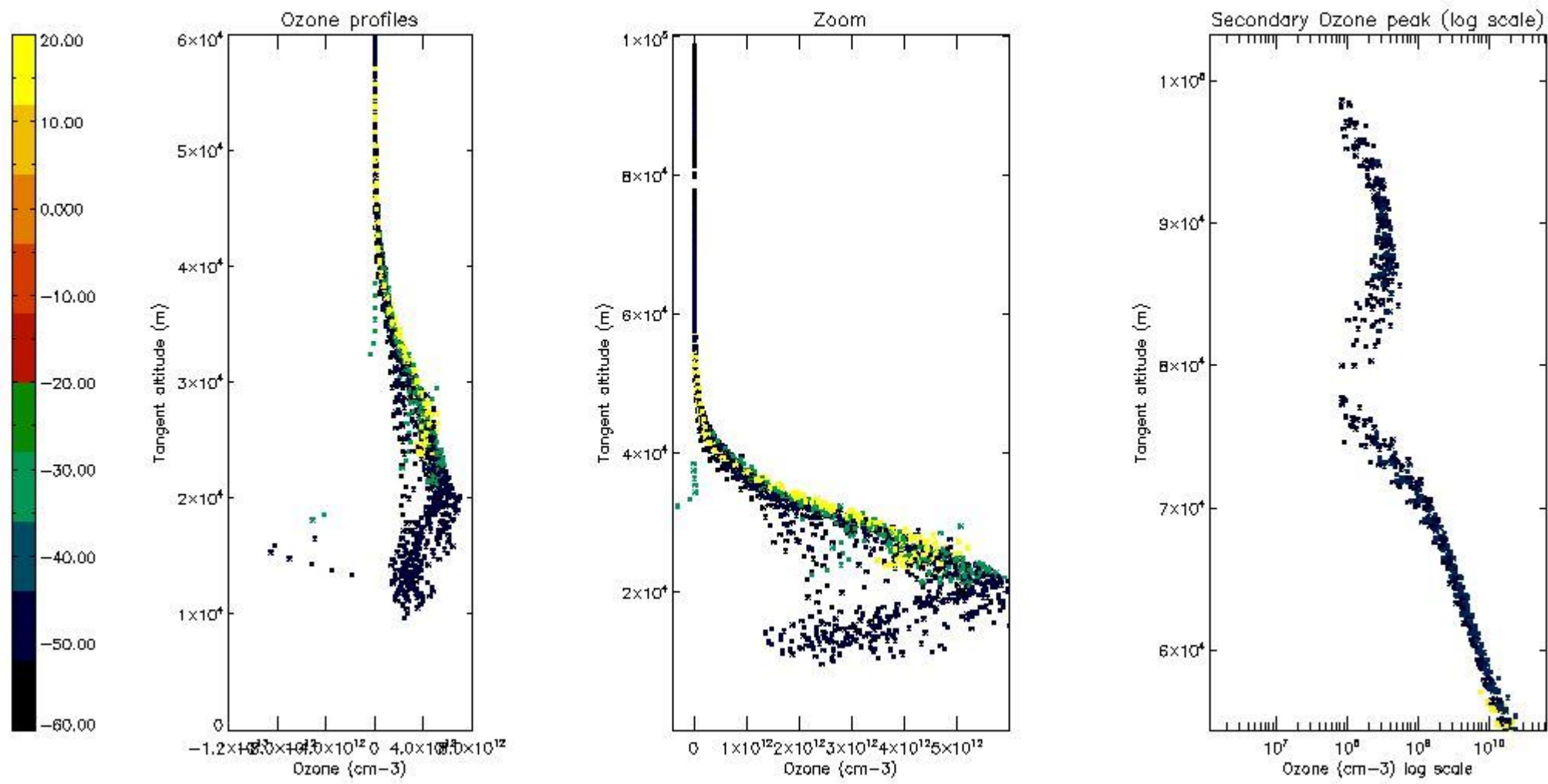
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



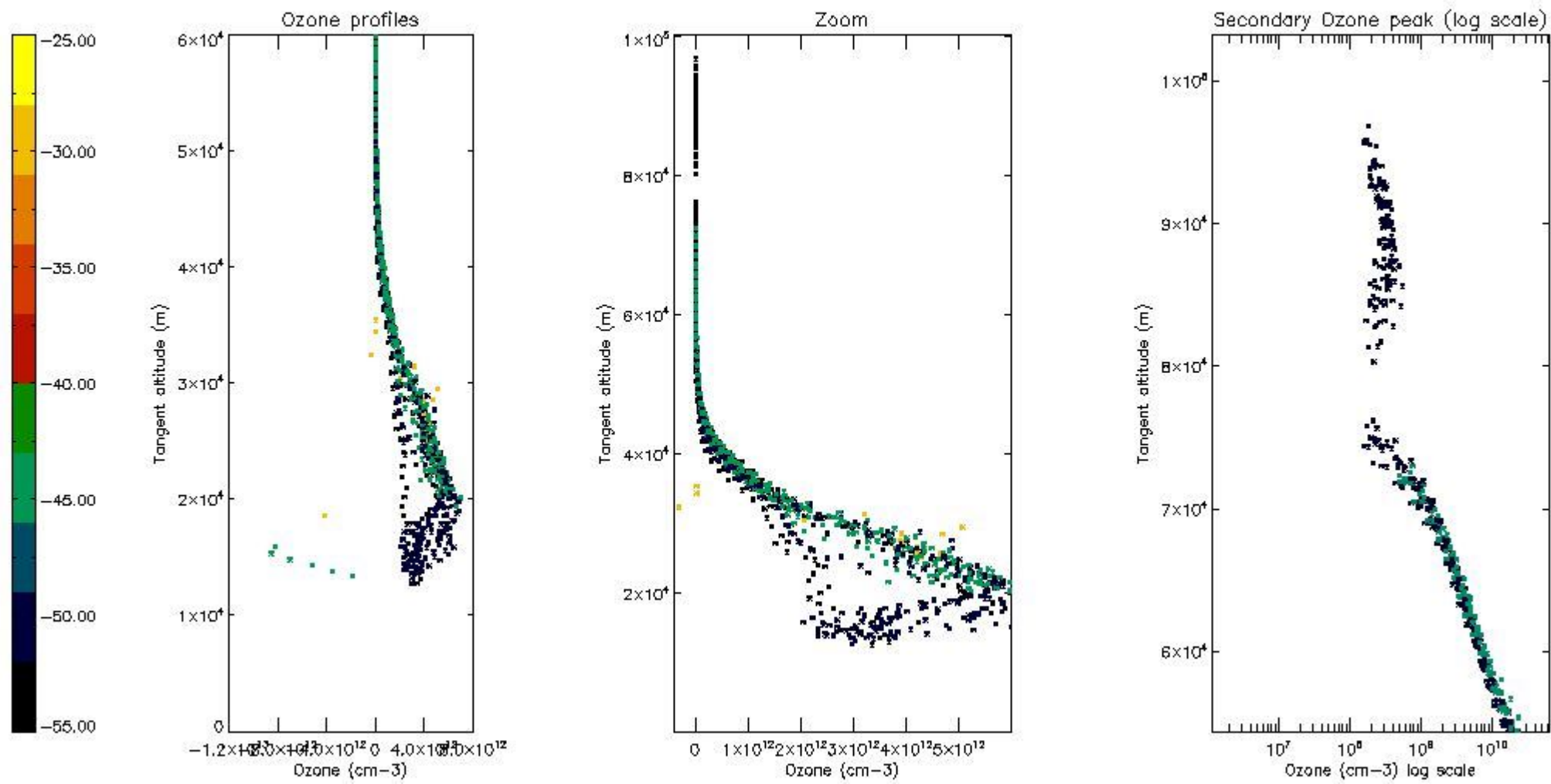
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



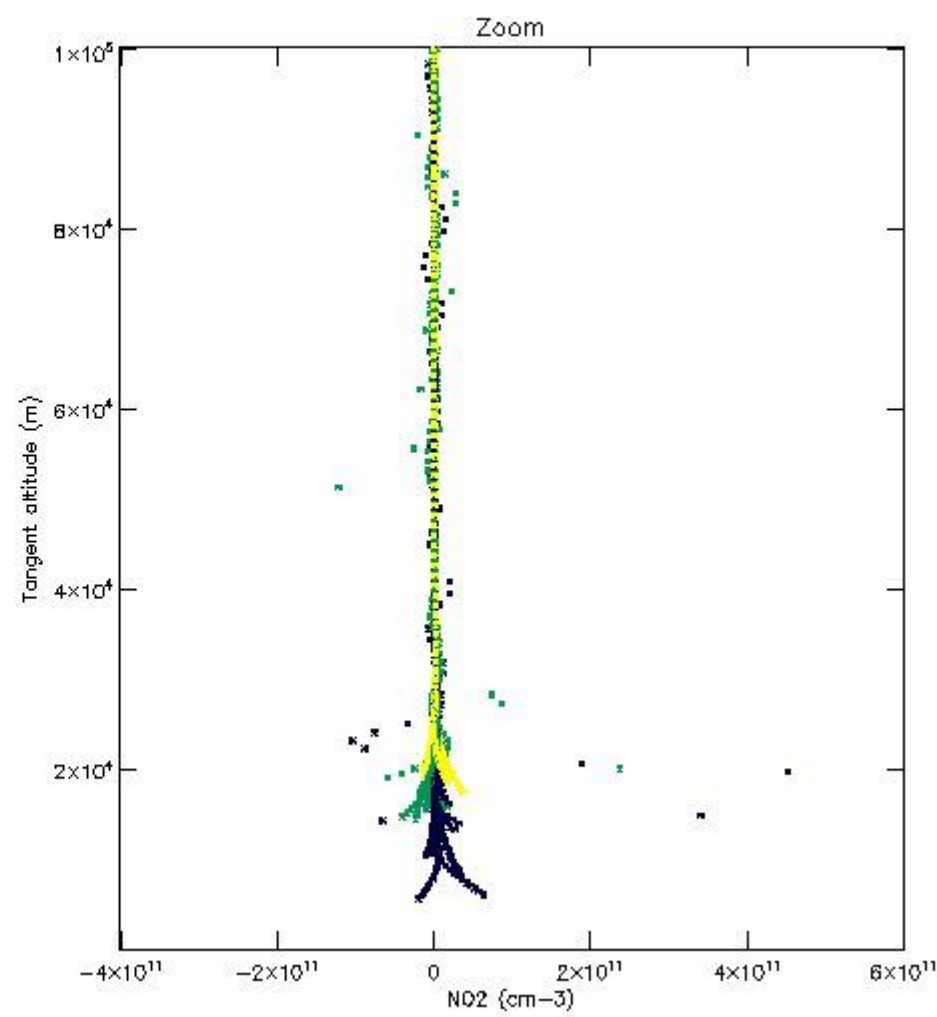
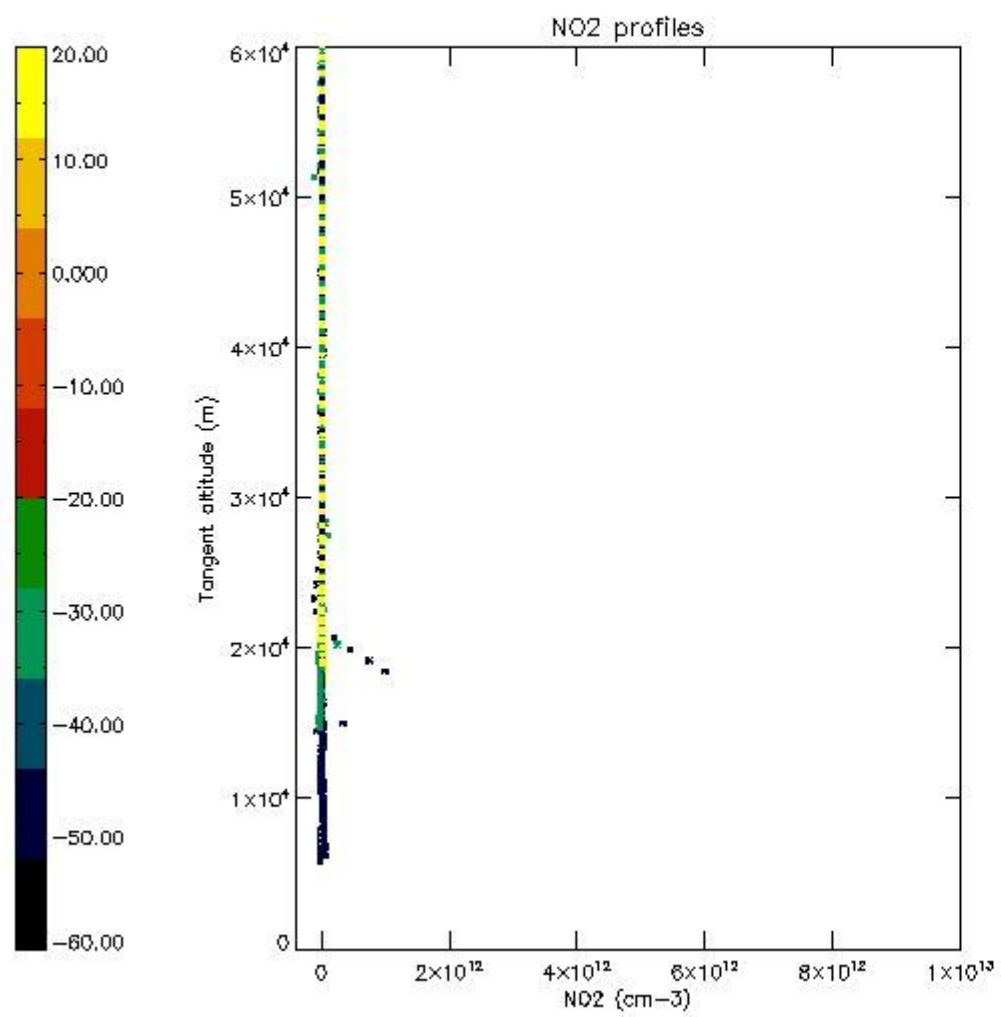
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



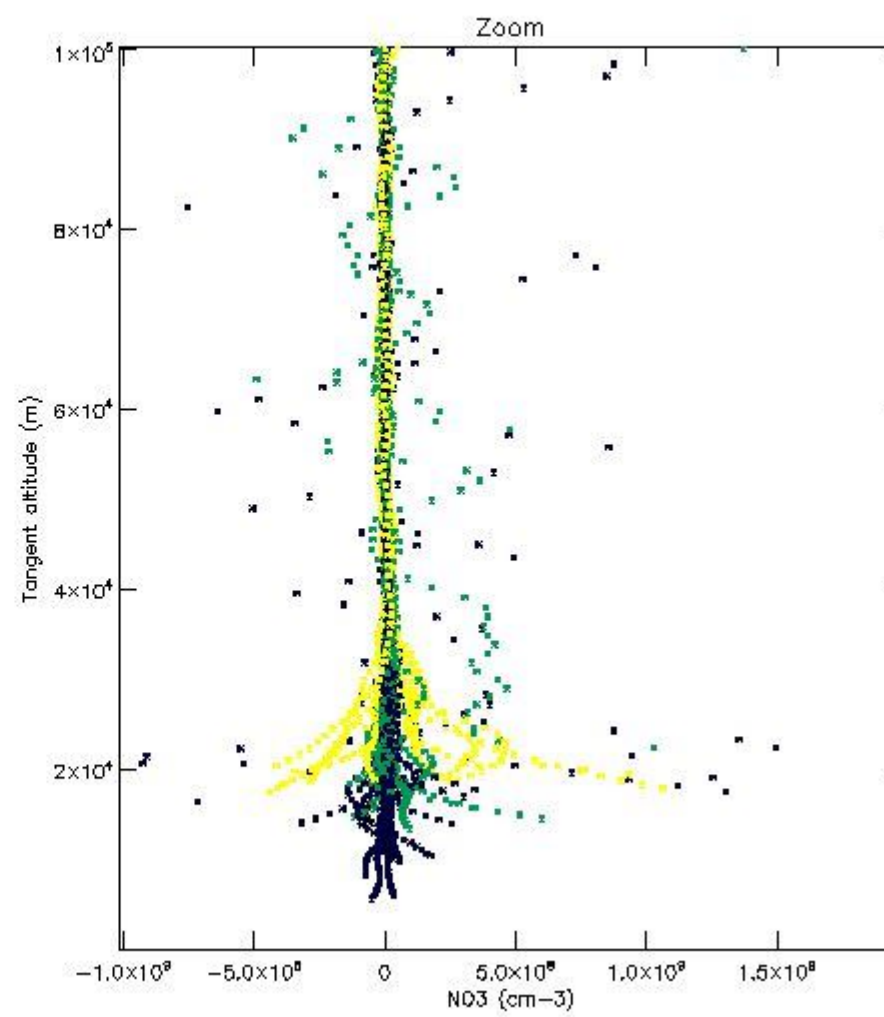
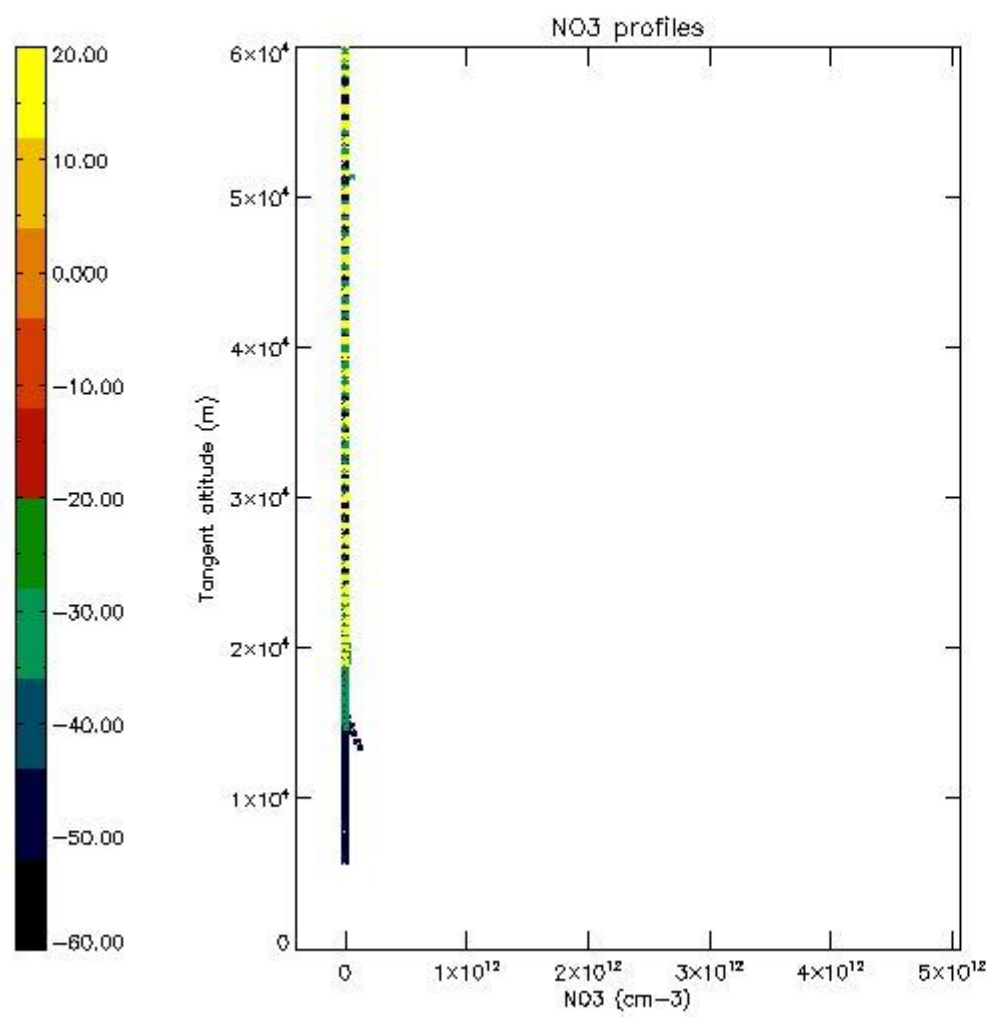
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



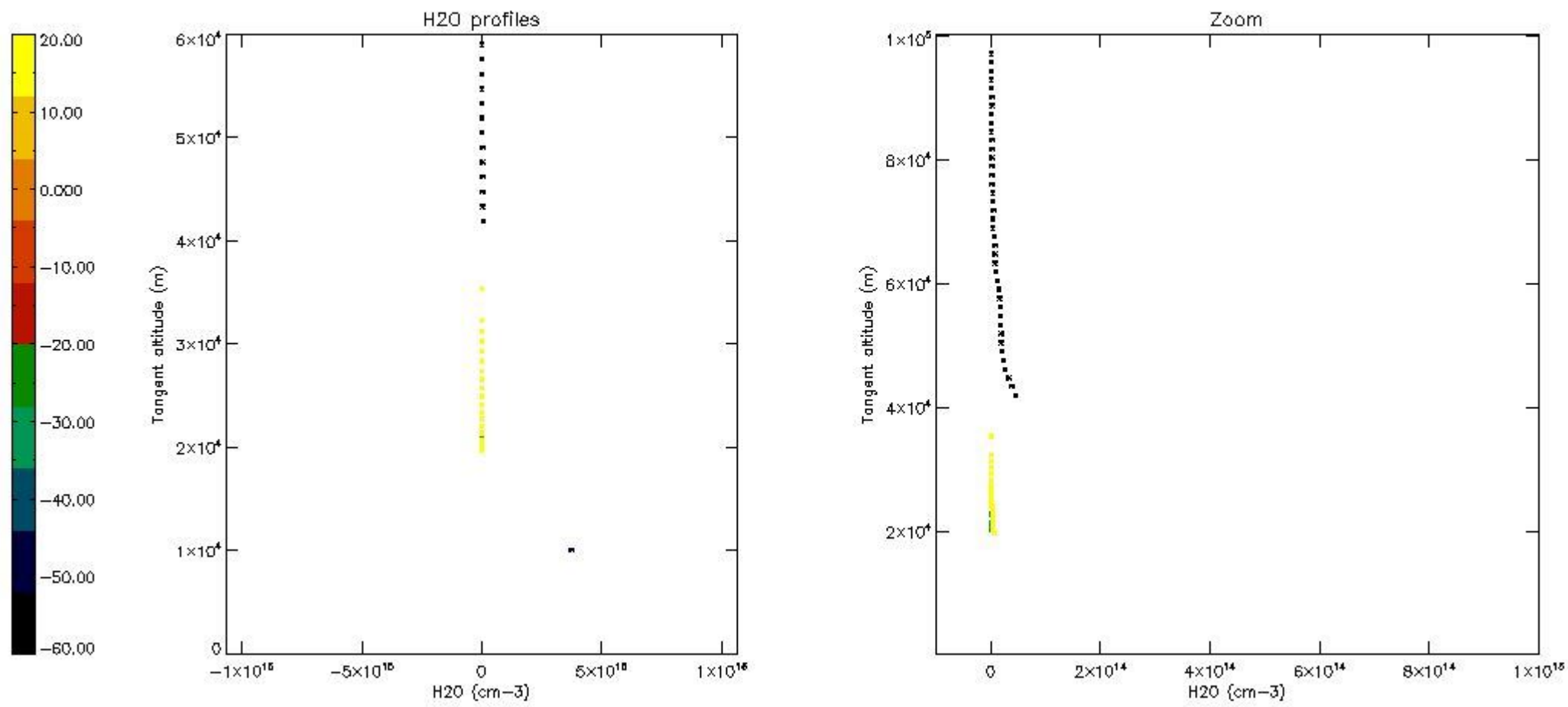
5.7 Plot NO3 profiles for all STD (dark without errors)

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	04-SEP-2009 00:02:51
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	04-SEP-2009 00:02:51
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	04-SEP-2009 00:02:51

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	26APR2013 12:27:55
Data source version	GOMOS/6.01
Start time of products	04-09-2009 (04SEP2009 00:00:00)
Stop time of products	05-09-2009 (05SEP2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	175
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__2PRFIN20090904_000251_000000452082_00145_39277_3438.N1	04-SEP-2009 00:02:51	Bright	45.000	90	54Alp Peg	2.4870	11000.	90	39277	No
2	GOM_NL__2PRFIN20090904_000704_000000432082_00145_39277_3439.N1	04-SEP-2009 00:07:04	Bright	43.000	164	44Eta Peg	2.9480	5400.0	86	39277	No
3	GOM_NL__2PRFIN20090904_001739_000000432082_00145_39277_3440.N1	04-SEP-2009 00:17:39	Bright	43.000	74	11Bet Cas	2.2680	6600.0	86	39277	No
4	GOM_NL__2PRFIN20090904_001944_000000442082_00145_39277_3441.N1	04-SEP-2009 00:19:44	Bright	44.000	76	27Gam Cas	2.3000	30000.	88	39277	No
5	GOM_NL__2PRFIN20090904_003446_000000612082_00145_39277_3442.N1	04-SEP-2009 00:34:46	Bright	61.000	6	13Alp Aur	0.080000	3400.0	122	39277	No
6	GOM_NL__2PRFIN20090904_004403_000000602082_00145_39277_3443.N1	04-SEP-2009 00:44:03	Twi_and_stray	60.000	151	13Mu Gem	2.8900	3000.0	120	39277	No
7	GOM_NL__2PRFIN20090904_004552_000000542082_00145_39277_3444.N1	04-SEP-2009 00:45:52	Twi_and_stray	54.000	44	24Gam Gem	1.9280	11000.	108	39277	No
8	GOM_NL__2PRFIN20090904_005049_000000392082_00145_39277_3445.N1	04-SEP-2009 00:50:49	Dark	38.500	14	58Alp Ori	0.87000	3000.0	77	39277	No
9	GOM_NL__2PRFIN20090904_005544_000000552082_00145_39277_3446.N1	04-SEP-2009 00:55:44	Dark	54.500	1	9Alp CMa	-1.4400	11000.	109	39277	No
10	GOM_NL__2PRFIN20090904_005706_000000472082_00145_39277_3447.N1	04-SEP-2009 00:57:06	Dark	46.500	47	2Bet CMa	1.9760	28000.	93	39277	No
11	GOM_NL__2PRFIN20090904_010018_000000562082_00145_39277_3448.N1	04-SEP-2009 01:00:18	Dark	55.500	101	11Alp Lep	2.5820	7000.0	111	39277	No
12	GOM_NL__2PRFIN20090904_011517_000000552082_00146_39278_3452.N1	04-SEP-2009 01:15:17	Dark	55.000	157	The1Eri	2.9060	9300.0	110	39278	No
13	GOM_NL__2PRFIN20090904_012244_000000472082_00146_39278_3453.N1	04-SEP-2009 01:22:44	Straylight	47.000	84	Alp Phe	2.3970	4500.0	94	39278	No
14	GOM_NL__2PRFIN20090904_014327_000000512082_00146_39278_3454.N1	04-SEP-2009 01:43:27	Bright	51.000	90	54Alp Peg	2.4870	11000.	102	39278	No
15	GOM_NL__2PRFIN20090904_014739_000000412082_00146_39278_3455.N1	04-SEP-2009 01:47:39	Bright	40.500	164	44Eta Peg	2.9480	5400.0	81	39278	No
16	GOM_NL__2PRFIN20090904_015814_000000402082_00146_39278_3456.N1	04-SEP-2009 01:58:14	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	39278	No
17	GOM_NL__2PRFIN20090904_020019_000000452082_00146_39278_3457.N1	04-SEP-2009 02:00:19	Bright	45.000	76	27Gam Cas	2.3000	30000.	90	39278	No
18	GOM_NL__2PRFIN20090904_021521_000000592082_00146_39278_3458.N1	04-SEP-2009 02:15:21	Bright	59.000	6	13Alp Aur	0.080000	3400.0	118	39278	No
19	GOM_NL__2PRFIN20090904_021916_000000502082_00146_39278_3459.N1	04-SEP-2009 02:19:16	Bright	49.500	107	37The Aur	2.6490	11000.	99	39278	No
20	GOM_NL__2PRFIN20090904_022439_000000622082_00146_39278_3460.N1	04-SEP-2009 02:24:39	Twi_and_stray	62.000	151	13Mu Gem	2.8900	3000.0	124	39278	No
21	GOM_NL__2PRFIN20090904_022628_000000532082_00146_39278_3461.N1	04-SEP-2009 02:26:28	Twi_and_stray	53.000	44	24Gam Gem	1.9280	11000.	106	39278	No
22	GOM_NL__2PRFIN20090904_023125_000000352082_00146_39278_3462.N1	04-SEP-2009 02:31:25	Dark	35.000	14	58Alp Ori	0.87000	3000.0	70	39278	No
23	GOM_NL__2PRFIN20090904_023621_000000512082_00146_39278_3463.N1	04-SEP-2009 02:36:21	Dark	51.000	1	9Alp CMa	-1.4400	11000.	102	39278	No
24	GOM_NL__2PRFIN20090904_023743_000000502082_00146_39278_3464.N1	04-SEP-2009 02:37:43	Dark	49.500	47	2Bet CMa	1.9760	28000.	99	39278	No
25	GOM_NL__2PRFIN20090904_024055_000000572082_00146_39278_3465.N1	04-SEP-2009 02:40:55	Dark	56.500	101	11Alp Lep	2.5820	7000.0	113	39278	No
26	GOM_NL__2PRFIN20090904_043631_000000562082_00148_39280_3480.N1	04-SEP-2009 04:36:31	Dark	56.000	157	The1Eri	2.9060	9300.0	112	39280	No
27	GOM_NL__2PRFIN20090904_044357_000000472082_00148_39280_3481.N1	04-SEP-2009 04:43:57	Straylight	47.000	84	Alp Phe	2.3970	4500.0	94	39280	No
28	GOM_NL__2PRFIN20090904_050438_000000452082_00148_39280_3482.N1	04-SEP-2009 05:04:38	Bright	44.500	90	54Alp Peg	2.4870	11000.	89	39280	No
29	GOM_NL__2PRFIN20090904_050850_000000422082_00148_39280_3483.N1	04-SEP-2009 05:08:50	Bright	42.000	164	44Eta Peg	2.9480	5400.0	84	39280	No
30	GOM_NL__2PRFIN20090904_051925_000000442082_00148_39280_3484.N1	04-SEP-2009 05:19:25	Bright	43.500	74	11Bet Cas	2.2680	6600.0	87	39280	No
31	GOM_NL__2PRFIN20090904_052129_000000452082_00148_39280_3485.N1	04-SEP-2009 05:21:29	Bright	45.000	76	27Gam Cas	2.3000	30000.	90	39280	No
32	GOM_NL__2PRFIN20090904_053632_000000512082_00148_39280_3486.N1	04-SEP-2009 05:36:32	Bright	51.000	6	13Alp Aur	0.080000	3400.0	102	39280	No
33	GOM_NL__2PRFIN20090904_054552_000000552082_00148_39280_3487.N1	04-SEP-2009 05:45:52	Twi_and_stray	54.500	151	13Mu Gem	2.8900	3000.0	109	39280	No
34	GOM_NL__2PRFIN20090904_054741_000000512082_00148_39280_3488.N1	04-SEP-2009 05:47:41	Twi_and_stray	50.500	44	24Gam Gem	1.9280	11000.	101	39280	No
35	GOM_NL__2PRFIN20090904_055734_000000502082_00148_39280_3489.N1	04-SEP-2009 05:57:34	Dark	50.000	1	9Alp CMa	-1.4400	11000.	100	39280	No
36	GOM_NL__2PRFIN20090904_055857_000000482082_00148_39280_3490.N1	04-SEP-2009 05:58:57	Dark	48.000	47	2Bet CMa	1.9760	28000.	96	39280	No
37	GOM_NL__2PRFIN20090904_060210_000000572082_00148_39280_3491.N1	04-SEP-2009 06:02:10	Dark	57.000	101	11Alp Lep	2.5820	7000.0	114	39280	No
38	GOM_NL__2PRFIN20090904_061708_000000562082_00149_39281_3494.N1	04-SEP-2009 06:17:08	Dark	55.500	157	The1Eri	2.9060	9300.0	111	39281	No
39	GOM_NL__2PRFIN20090904_062434_000000492082_00149_39281_3495.N1	04-SEP-2009 06:24:34	Straylight	49.000	84	Alp Phe	2.3970	4500.0	98	39281	No
40	GOM_NL__2PRFIN20090904_064513_000000442082_00149_39281_3496.N1	04-SEP-2009 06:45:13	Bright	44.000	90	54Alp Peg	2.4870	11000.	88	39281	No
41	GOM_NL__2PRFIN20090904_064926_000000422082_00149_39281_3497.N1	04-SEP-2009 06:49:26	Bright	42.000	164	44Eta Peg	2.9480	5400.0	84	39281	No
42	GOM_NL__2PRFIN20090904_070000_000000432082_00149_39281_3498.N1	04-SEP-2009 07:00:00	Bright	43.000	74	11Bet Cas	2.2680	6600.0	86	39281	No

43	GOM_NL__2PRFIN20090904_070205_000000462082_00149_39281_3499.N1	04-SEP-2009 07:02:05	Bright	45.500	76	27Gam Cas	2.3000	30000.	91	39281	No
44	GOM_NL__2PRFIN20090904_071708_000000512082_00149_39281_3500.N1	04-SEP-2009 07:17:08	Bright	51.000	6	13Alp Aur	0.080000	3400.0	102	39281	No
45	GOM_NL__2PRFIN20090904_072628_000000552082_00149_39281_3501.N1	04-SEP-2009 07:26:28	Twi_and_stray	55.000	151	13Mu Gem	2.8900	3000.0	110	39281	No
46	GOM_NL__2PRFIN20090904_072817_000000522082_00149_39281_3502.N1	04-SEP-2009 07:28:17	Twi_and_stray	52.000	44	24Gam Gem	1.9280	11000.	104	39281	No
47	GOM_NL__2PRFIN20090904_073811_000000522082_00149_39281_3503.N1	04-SEP-2009 07:38:11	Dark	52.000	1	9Alp CMa	-1.4400	11000.	104	39281	No
48	GOM_NL__2PRFIN20090904_073933_000000512082_00149_39281_3504.N1	04-SEP-2009 07:39:33	Dark	50.500	47	2Bet CMa	1.9760	28000.	101	39281	No
49	GOM_NL__2PRFIN20090904_074247_000000582082_00149_39281_3505.N1	04-SEP-2009 07:42:47	Dark	57.500	101	11Alp Lep	2.5820	7000.0	115	39281	No
50	GOM_NL__2PRFIN20090904_075745_000000572082_00150_39282_3516.N1	04-SEP-2009 07:57:45	Dark	56.500	157	The1Eri	2.9060	9300.0	113	39282	No
51	GOM_NL__2PRFIN20090904_080510_000000462082_00150_39282_3517.N1	04-SEP-2009 08:05:10	Straylight	45.500	84	Alp Phe	2.3970	4500.0	91	39282	No
52	GOM_NL__2PRFIN20090904_082549_000000452082_00150_39282_3518.N1	04-SEP-2009 08:25:49	Bright	44.500	90	54Alp Peg	2.4870	11000.	89	39282	No
53	GOM_NL__2PRFIN20090904_083001_000000422082_00150_39282_3519.N1	04-SEP-2009 08:30:01	Bright	42.000	164	44Eta Peg	2.9480	5400.0	84	39282	No
54	GOM_NL__2PRFIN20090904_084035_000000432082_00150_39282_3520.N1	04-SEP-2009 08:40:35	Bright	43.000	74	11Bet Cas	2.2680	6600.0	86	39282	No
55	GOM_NL__2PRFIN20090904_084240_000000452082_00150_39282_3521.N1	04-SEP-2009 08:42:40	Bright	45.000	76	27Gam Cas	2.3000	30000.	90	39282	No
56	GOM_NL__2PRFIN20090904_085744_000000462082_00150_39282_3522.N1	04-SEP-2009 08:57:44	Bright	46.000	6	13Alp Aur	0.080000	3400.0	92	39282	No
57	GOM_NL__2PRFIN20090904_090705_000000622082_00150_39282_3523.N1	04-SEP-2009 09:07:05	Twi_and_stray	61.500	151	13Mu Gem	2.8900	3000.0	123	39282	No
58	GOM_NL__2PRFIN20090904_090854_000000522082_00150_39282_3524.N1	04-SEP-2009 09:08:54	Twi_and_stray	52.000	44	24Gam Gem	1.9280	11000.	104	39282	No
59	GOM_NL__2PRFIN20090904_091847_000000512082_00150_39282_3525.N1	04-SEP-2009 09:18:47	Dark	51.000	1	9Alp CMa	-1.4400	11000.	102	39282	No
60	GOM_NL__2PRFIN20090904_092010_000000492082_00150_39282_3526.N1	04-SEP-2009 09:20:10	Dark	49.000	47	2Bet CMa	1.9760	28000.	98	39282	No
61	GOM_NL__2PRFIN20090904_092325_000000612082_00150_39282_3527.N1	04-SEP-2009 09:23:25	Dark	61.000	101	11Alp Lep	2.5820	7000.0	122	39282	No
62	GOM_NL__2PRFIN20090904_093822_000000572082_00151_39283_3530.N1	04-SEP-2009 09:38:22	Dark	56.500	157	The1Eri	2.9060	9300.0	113	39283	No
63	GOM_NL__2PRFIN20090904_094547_000000452082_00151_39283_3531.N1	04-SEP-2009 09:45:47	Straylight	44.500	84	Alp Phe	2.3970	4500.0	89	39283	No
64	GOM_NL__2PRFIN20090904_100624_000000452082_00151_39283_3532.N1	04-SEP-2009 10:06:24	Bright	44.500	90	54Alp Peg	2.4870	11000.	89	39283	No
65	GOM_NL__2PRFIN20090904_101037_000000612082_00151_39283_3533.N1	04-SEP-2009 10:10:37	Bright	61.000	164	44Eta Peg	2.9480	5400.0	122	39283	No
66	GOM_NL__2PRFIN20090904_102111_000000442082_00151_39283_3534.N1	04-SEP-2009 10:21:11	Bright	43.500	74	11Bet Cas	2.2680	6600.0	87	39283	No
67	GOM_NL__2PRFIN20090904_102315_000000452082_00151_39283_3535.N1	04-SEP-2009 10:23:15	Bright	44.500	76	27Gam Cas	2.3000	30000.	89	39283	No
68	GOM_NL__2PRFIN20090904_103819_000000462082_00151_39283_3536.N1	04-SEP-2009 10:38:19	Bright	46.000	6	13Alp Aur	0.080000	3400.0	92	39283	No
69	GOM_NL__2PRFIN20090904_104741_000000652082_00151_39283_3537.N1	04-SEP-2009 10:47:41	Twi_and_stray	64.500	151	13Mu Gem	2.8900	3000.0	129	39283	No
70	GOM_NL__2PRFIN20090904_104930_000000522082_00151_39283_3538.N1	04-SEP-2009 10:49:30	Twi_and_stray	51.500	44	24Gam Gem	1.9280	11000.	103	39283	No
71	GOM_NL__2PRFIN20090904_105924_000000482082_00151_39283_3539.N1	04-SEP-2009 10:59:24	Dark	48.000	1	9Alp CMa	-1.4400	11000.	96	39283	No
72	GOM_NL__2PRFIN20090904_110047_000000502082_00151_39283_3540.N1	04-SEP-2009 11:00:47	Dark	50.000	47	2Bet CMa	1.9760	28000.	100	39283	No
73	GOM_NL__2PRFIN20090904_110402_000000632082_00151_39283_3541.N1	04-SEP-2009 11:04:02	Dark	62.500	101	11Alp Lep	2.5820	7000.0	125	39283	No
74	GOM_NL__2PRFIN20090904_111859_000000572082_00152_39284_3545.N1	04-SEP-2009 11:18:59	Dark	57.000	157	The1Eri	2.9060	9300.0	114	39284	No
75	GOM_NL__2PRFIN20090904_112623_000000452082_00152_39284_3546.N1	04-SEP-2009 11:26:23	Straylight	44.500	84	Alp Phe	2.3970	4500.0	89	39284	No
76	GOM_NL__2PRFIN20090904_114700_000000442082_00152_39284_3547.N1	04-SEP-2009 11:47:00	Bright	43.500	90	54Alp Peg	2.4870	11000.	87	39284	No
77	GOM_NL__2PRFIN20090904_115112_000000602082_00152_39284_3548.N1	04-SEP-2009 11:51:12	Bright	59.500	164	44Eta Peg	2.9480	5400.0	119	39284	No
78	GOM_NL__2PRFIN20090904_120146_000000452082_00152_39284_3549.N1	04-SEP-2009 12:01:46	Bright	44.500	74	11Bet Cas	2.2680	6600.0	89	39284	No
79	GOM_NL__2PRFIN20090904_120350_000000462082_00152_39284_3550.N1	04-SEP-2009 12:03:50	Bright	45.500	76	27Gam Cas	2.3000	30000.	91	39284	No
80	GOM_NL__2PRFIN20090904_121855_000000412082_00152_39284_3551.N1	04-SEP-2009 12:18:55	Bright	41.000	6	13Alp Aur	0.080000	3400.0	82	39284	No
81	GOM_NL__2PRFIN20090904_122252_000000722082_00152_39284_3552.N1	04-SEP-2009 12:22:52	Bright	72.000	107	37The Aur	2.6490	11000.	144	39284	No
82	GOM_NL__2PRFIN20090904_122817_000000612082_00152_39284_3553.N1	04-SEP-2009 12:28:17	Twi_and_stray	60.500	151	13Mu Gem	2.8900	3000.0	121	39284	No
83	GOM_NL__2PRFIN20090904_123006_000000542082_00152_39284_3554.N1	04-SEP-2009 12:30:06	Twi_and_stray	54.000	44	24Gam Gem	1.9280	11000.	108	39284	No
84	GOM_NL__2PRFIN20090904_124000_000000512082_00152_39284_3555.N1	04-SEP-2009 12:40:00	Dark	51.000	1	9Alp CMa	-1.4400	11000.	102	39284	No
85	GOM_NL__2PRFIN20090904_124124_000000472082_00152_39284_3556.N1	04-SEP-2009 12:41:24	Dark	46.500	47	2Bet CMa	1.9760	28000.	93	39284	No
86	GOM_NL__2PRFIN20090904_124439_000000592082_00152_39284_3557.N1	04-SEP-2009 12:44:39	Dark	58.500	101	11Alp Lep	2.5820	7000.0	117	39284	No
87	GOM_NL__2PRFIN20090904_125936_000000562082_00153_39285_3565.N1	04-SEP-2009 12:59:36	Dark	55.500	157	The1Eri	2.9060	9300.0	111	39285	No
88	GOM_NL__2PRFIN20090904_130659_000000492082_00153_39285_3566.N1	04-SEP-2009 13:06:59	Straylight	49.000	84	Alp Phe	2.3970	4500.0	98	39285	No
89	GOM_NL__2PRFIN20090904_132735_000000462082_00153_39285_3567.N1	04-SEP-2009 13:27:35	Bright	46.000	90	54Alp Peg	2.4870	11000.	92	39285	No
90	GOM_NL__2PRFIN20090904_133148_000000612082_00153_39285_3568.N1	04-SEP-2009 13:31:48	Bright	61.000	164	44Eta Peg	2.9480	5400.0	122	39285	No
91	GOM_NL__2PRFIN20090904_134221_000000452082_00153_39285_3569.N1	04-SEP-2009 13:42:21	Bright	45.000	74	11Bet Cas	2.2680	6600.0	90	39285	No
92	GOM_NL__2PRFIN20090904_134425_000000452082_00153_39285_3570.N1	04-SEP-2009 13:44:25	Bright	45.000	76	27Gam Cas	2.3000	30000.	90	39285	No
93	GOM_NL__2PRFIN20090904_135931_000000412082_00153_39285_3571.N1	04-SEP-2009 13:59:31	Bright	41.000	6	13Alp Aur	0.080000	3400.0	82	39285	No
94	GOM_NL__2PRFIN20090904_140328_000000722082_00153_39285_3572.N1	04-SEP-2009 14:03:28	Bright	72.000	107	37The Aur	2.6490	11000.	144	39285	No
95	GOM_NL__2PRFIN20090904_140854_000000612082_00153_39285_3573.N1	04-SEP-2009 14:08:54	Twi_and_stray	61.000	151	13Mu Gem	2.8900	3000.0	122	39285	No
96	GOM_NL__2PRFIN20090904_141043_000000542082_00153_39285_3574.N1	04-SEP-2009 14:10:43	Twi_and_stray	53.500	44	24Gam Gem	1.9280	11000.	107	39285	No
97	GOM_NL__2PRFIN20090904_142037_000000512082_00153_39285_3575.N1	04-SEP-2009 14:20:37	Dark	50.500	1	9Alp CMa	-1.4400	11000.	101	39285	No
98	GOM_NL__2PRFIN20090904_142200_000000522082_00153_39285_3576.N1	04-SEP-2009 14:22:00	Dark	52.000	47	2Bet CMa	1.9760	28000.	104	39285	No
99	GOM_NL__2PRFIN20090904_142516_000000582082_00153_39285_3577.N1	04-SEP-2009 14:25:16	Dark	57.500	101	11Alp Lep	2.5820	7000.0	115	39285	No
100	GOM_NL__2PRFIN20090904_144013_000000562082_00154_39286_3599.N1	04-SEP-2009 14:40:13	Dark	56.000	157	The1Eri	2.9060	9300.0	112	39286	No
101	GOM_NL__2PRFIN20090904_144736_000000492082_00154_39286_3600.N1	04-SEP-2009 14:47:36	Straylight	49.000	84	Alp Phe	2.3970	4500.0	98	39286	No

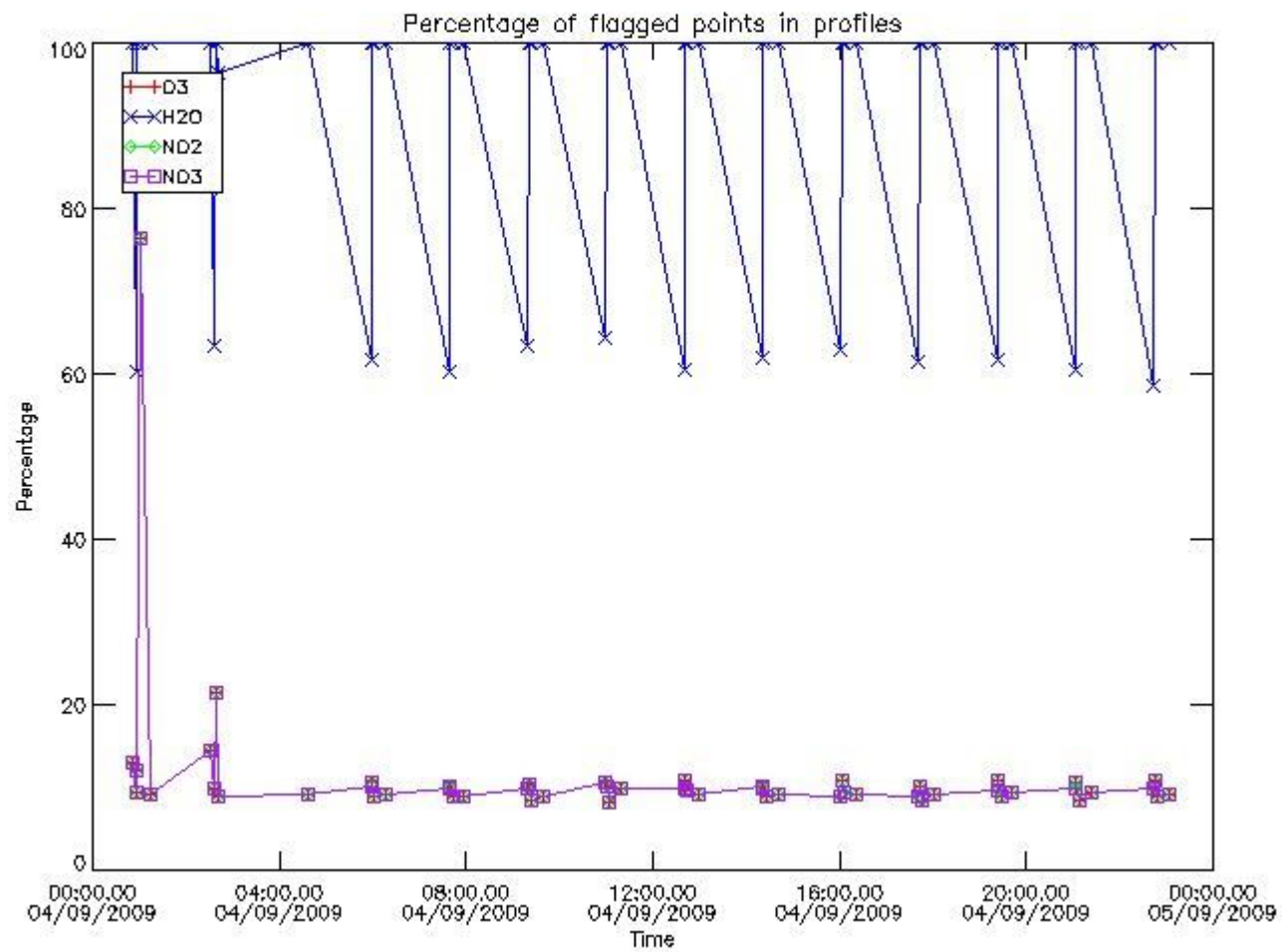
102	GOM_NL__2PRFIN20090904_150811_000000452082_00154_39286_3601.N1	04-SEP-2009 15:08:11	Bright	44.500	90	54Alp Peg	2.4870	11000.	89	39286	No
103	GOM_NL__2PRFIN20090904_151224_000000412082_00154_39286_3602.N1	04-SEP-2009 15:12:24	Bright	40.500	164	44Eta Peg	2.9480	5400.0	81	39286	No
104	GOM_NL__2PRFIN20090904_152257_000000422082_00154_39286_3603.N1	04-SEP-2009 15:22:57	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	39286	No
105	GOM_NL__2PRFIN20090904_152501_000000462082_00154_39286_3604.N1	04-SEP-2009 15:25:01	Bright	45.500	76	27Gam Cas	2.3000	30000.	91	39286	No
106	GOM_NL__2PRFIN20090904_154006_000000362082_00154_39286_3605.N1	04-SEP-2009 15:40:06	Twi_and_stray	36.000	6	13Alp Aur	0.080000	3400.0	72	39286	No
107	GOM_NL__2PRFIN20090904_154106_000000492082_00154_39286_3606.N1	04-SEP-2009 15:41:06	Bright	49.000	42	34Bet Aur	1.9000	10200.	98	39286	No
108	GOM_NL__2PRFIN20090904_154404_000000502082_00154_39286_3607.N1	04-SEP-2009 15:44:04	Bright	50.000	107	37The Aur	2.6490	11000.	100	39286	No
109	GOM_NL__2PRFIN20090904_154930_000000582082_00154_39286_3608.N1	04-SEP-2009 15:49:30	Twi_and_stray	58.000	151	13Mu Gem	2.8900	3000.0	116	39286	No
110	GOM_NL__2PRFIN20090904_155119_000000512082_00154_39286_3609.N1	04-SEP-2009 15:51:19	Twi_and_stray	50.500	44	24Gam Gem	1.9280	11000.	101	39286	No
111	GOM_NL__2PRFIN20090904_160114_000000572082_00154_39286_3610.N1	04-SEP-2009 16:01:14	Dark	57.000	1	9Alp CMA	-1.4400	11000.	114	39286	No
112	GOM_NL__2PRFIN20090904_160237_000000482082_00154_39286_3611.N1	04-SEP-2009 16:02:37	Dark	47.500	47	2Bet CMA	1.9760	28000.	95	39286	No
113	GOM_NL__2PRFIN20090904_160554_000000602082_00154_39286_3612.N1	04-SEP-2009 16:05:54	Dark	60.000	101	11Alp Lep	2.5820	7000.0	120	39286	No
114	GOM_NL__2PRFIN20090904_162051_000000552082_00155_39287_3613.N1	04-SEP-2009 16:20:51	Dark	55.000	157	The1Eri	2.9060	9300.0	110	39287	No
115	GOM_NL__2PRFIN20090904_162813_000000452082_00155_39287_3614.N1	04-SEP-2009 16:28:13	Straylight	45.000	84	Alp Phe	2.3970	4500.0	90	39287	No
116	GOM_NL__2PRFIN20090904_164846_000000522082_00155_39287_3615.N1	04-SEP-2009 16:48:46	Bright	52.000	90	54Alp Peg	2.4870	11000.	104	39287	No
117	GOM_NL__2PRFIN20090904_165259_000000612082_00155_39287_3616.N1	04-SEP-2009 16:52:59	Bright	61.000	164	44Eta Peg	2.9480	5400.0	122	39287	No
118	GOM_NL__2PRFIN20090904_170332_000000422082_00155_39287_3617.N1	04-SEP-2009 17:03:32	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	39287	No
119	GOM_NL__2PRFIN20090904_170536_000000472082_00155_39287_3618.N1	04-SEP-2009 17:05:36	Bright	46.500	76	27Gam Cas	2.3000	30000.	93	39287	No
120	GOM_NL__2PRFIN20090904_172042_000000362082_00155_39287_3619.N1	04-SEP-2009 17:20:42	Twi_and_stray	36.000	6	13Alp Aur	0.080000	3400.0	72	39287	No
121	GOM_NL__2PRFIN20090904_172142_000000512082_00155_39287_3620.N1	04-SEP-2009 17:21:42	Bright	50.500	42	34Bet Aur	1.9000	10200.	101	39287	No
122	GOM_NL__2PRFIN20090904_172440_000000512082_00155_39287_3621.N1	04-SEP-2009 17:24:40	Bright	51.000	107	37The Aur	2.6490	11000.	102	39287	No
123	GOM_NL__2PRFIN20090904_173006_000000652082_00155_39287_3622.N1	04-SEP-2009 17:30:06	Twi_and_stray	64.500	151	13Mu Gem	2.8900	3000.0	129	39287	No
124	GOM_NL__2PRFIN20090904_173156_000000512082_00155_39287_3623.N1	04-SEP-2009 17:31:56	Twi_and_stray	51.000	44	24Gam Gem	1.9280	11000.	102	39287	No
125	GOM_NL__2PRFIN20090904_174150_000000582082_00155_39287_3624.N1	04-SEP-2009 17:41:50	Dark	57.500	1	9Alp CMA	-1.4400	11000.	115	39287	No
126	GOM_NL__2PRFIN20090904_174314_000000502082_00155_39287_3625.N1	04-SEP-2009 17:43:14	Dark	50.000	47	2Bet CMA	1.9760	28000.	100	39287	No
127	GOM_NL__2PRFIN20090904_174631_000000612082_00155_39287_3626.N1	04-SEP-2009 17:46:31	Dark	60.500	101	11Alp Lep	2.5820	7000.0	121	39287	No
128	GOM_NL__2PRFIN20090904_180128_000000552082_00156_39288_3629.N1	04-SEP-2009 18:01:28	Dark	55.000	157	The1Eri	2.9060	9300.0	110	39288	No
129	GOM_NL__2PRFIN20090904_180849_000000472082_00156_39288_3630.N1	04-SEP-2009 18:08:49	Straylight	47.000	84	Alp Phe	2.3970	4500.0	94	39288	No
130	GOM_NL__2PRFIN20090904_182922_000000442082_00156_39288_3631.N1	04-SEP-2009 18:29:22	Bright	44.000	90	54Alp Peg	2.4870	11000.	88	39288	No
131	GOM_NL__2PRFIN20090904_183335_000000612082_00156_39288_3632.N1	04-SEP-2009 18:33:35	Bright	61.000	164	44Eta Peg	2.9480	5400.0	122	39288	No
132	GOM_NL__2PRFIN20090904_184408_000000452082_00156_39288_3633.N1	04-SEP-2009 18:44:08	Bright	44.500	74	11Bet Cas	2.2680	6600.0	89	39288	No
133	GOM_NL__2PRFIN20090904_184612_000000452082_00156_39288_3634.N1	04-SEP-2009 18:46:12	Bright	45.000	76	27Gam Cas	2.3000	30000.	90	39288	No
134	GOM_NL__2PRFIN20090904_190117_000000312082_00156_39288_3635.N1	04-SEP-2009 19:01:17	Twi_and_stray	31.000	6	13Alp Aur	0.080000	3400.0	62	39288	No
135	GOM_NL__2PRFIN20090904_190218_000000482082_00156_39288_3636.N1	04-SEP-2009 19:02:18	Bright	48.000	42	34Bet Aur	1.9000	10200.	96	39288	No
136	GOM_NL__2PRFIN20090904_190516_000000512082_00156_39288_3637.N1	04-SEP-2009 19:05:16	Bright	50.500	107	37The Aur	2.6490	11000.	101	39288	No
137	GOM_NL__2PRFIN20090904_191042_000000562082_00156_39288_3638.N1	04-SEP-2009 19:10:42	Twi_and_stray	55.500	151	13Mu Gem	2.8900	3000.0	111	39288	No
138	GOM_NL__2PRFIN20090904_191232_000000482082_00156_39288_3639.N1	04-SEP-2009 19:12:32	Twi_and_stray	47.500	44	24Gam Gem	1.9280	11000.	95	39288	No
139	GOM_NL__2PRFIN20090904_192227_000000532082_00156_39288_3640.N1	04-SEP-2009 19:22:27	Dark	52.500	1	9Alp CMA	-1.4400	11000.	105	39288	No
140	GOM_NL__2PRFIN20090904_192351_000000482082_00156_39288_3641.N1	04-SEP-2009 19:23:51	Dark	47.500	47	2Bet CMA	1.9760	28000.	95	39288	No
141	GOM_NL__2PRFIN20090904_192708_000000572082_00156_39288_3642.N1	04-SEP-2009 19:27:08	Dark	57.000	101	11Alp Lep	2.5820	7000.0	114	39288	No
142	GOM_NL__2PRFIN20090904_194205_000000542082_00157_39289_3646.N1	04-SEP-2009 19:42:05	Dark	54.000	157	The1Eri	2.9060	9300.0	108	39289	No
143	GOM_NL__2PRFIN20090904_194926_000000522082_00157_39289_3647.N1	04-SEP-2009 19:49:26	Straylight	52.000	84	Alp Phe	2.3970	4500.0	104	39289	No
144	GOM_NL__2PRFIN20090904_200957_000000452082_00157_39289_3648.N1	04-SEP-2009 20:09:57	Bright	45.000	90	54Alp Peg	2.4870	11000.	90	39289	No
145	GOM_NL__2PRFIN20090904_201410_000000402082_00157_39289_3649.N1	04-SEP-2009 20:14:10	Bright	40.000	164	44Eta Peg	2.9480	5400.0	80	39289	No
146	GOM_NL__2PRFIN20090904_202443_000000402082_00157_39289_3650.N1	04-SEP-2009 20:24:43	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	39289	No
147	GOM_NL__2PRFIN20090904_202647_000000422082_00157_39289_3651.N1	04-SEP-2009 20:26:47	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	39289	No
148	GOM_NL__2PRFIN20090904_204153_000000312082_00157_39289_3652.N1	04-SEP-2009 20:41:53	Twi_and_stray	31.000	6	13Alp Aur	0.080000	3400.0	62	39289	No
149	GOM_NL__2PRFIN20090904_204253_000000442082_00157_39289_3653.N1	04-SEP-2009 20:42:53	Bright	43.500	42	34Bet Aur	1.9000	10200.	87	39289	No
150	GOM_NL__2PRFIN20090904_204552_000000472082_00157_39289_3654.N1	04-SEP-2009 20:45:52	Bright	47.000	107	37The Aur	2.6490	11000.	94	39289	No
151	GOM_NL__2PRFIN20090904_205119_000000582082_00157_39289_3655.N1	04-SEP-2009 20:51:19	Twi_and_stray	57.500	151	13Mu Gem	2.8900	3000.0	115	39289	No
152	GOM_NL__2PRFIN20090904_205308_000000532082_00157_39289_3656.N1	04-SEP-2009 20:53:08	Twi_and_stray	53.000	44	24Gam Gem	1.9280	11000.	106	39289	No
153	GOM_NL__2PRFIN20090904_210304_000000512082_00157_39289_3657.N1	04-SEP-2009 21:03:04	Dark	51.000	1	9Alp CMA	-1.4400	11000.	102	39289	No
154	GOM_NL__2PRFIN20090904_210428_000000482082_00157_39289_3658.N1	04-SEP-2009 21:04:28	Dark	48.000	47	2Bet CMA	1.9760	28000.	96	39289	No
155	GOM_NL__2PRFIN20090904_210746_000000612082_00157_39289_3659.N1	04-SEP-2009 21:07:46	Dark	61.000	101	11Alp Lep	2.5820	7000.0	122	39289	No
156	GOM_NL__2PRFIN20090904_212242_000000542082_00158_39290_3664.N1	04-SEP-2009 21:22:42	Dark	54.000	157	The1Eri	2.9060	9300.0	108	39290	No
157	GOM_NL__2PRFIN20090904_213002_000000452082_00158_39290_3665.N1	04-SEP-2009 21:30:02	Straylight	44.500	84	Alp Phe	2.3970	4500.0	89	39290	No
158	GOM_NL__2PRFIN20090904_215033_000000452082_00158_39290_3666.N1	04-SEP-2009 21:50:33	Bright	45.000	90	54Alp Peg	2.4870	11000.	90	39290	No
159	GOM_NL__2PRFIN20090904_215446_000000402082_00158_39290_3667.N1	04-SEP-2009 21:54:46	Bright	40.000	164	44Eta Peg	2.9480	5400.0	80	39290	No
160	GOM_NL__2PRFIN20090904_220518_000000452082_00158_39290_3668.N1	04-SEP-2009 22:05:18	Bright	44.500	74	11Bet Cas	2.2680	6600.0	89	39290	No

161	GOM_NL__2PRFIN20090904_220722_000000412082_00158_39290_3669.N1	04-SEP-2009 22:07:22	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	39290	No
162	GOM_NL__2PRFIN20090904_222228_000000262082_00158_39290_3670.N1	04-SEP-2009 22:22:28	Twilight	26.000	6	13Alp Aur	0.080000	3400.0	52	39290	No
163	GOM_NL__2PRFIN20090904_222329_000000622082_00158_39290_3671.N1	04-SEP-2009 22:23:29	Bright	62.000	42	34Bet Aur	1.9000	10200.	124	39290	No
164	GOM_NL__2PRFIN20090904_222627_000000522082_00158_39290_3672.N1	04-SEP-2009 22:26:27	Bright	52.000	107	37The Aur	2.6490	11000.	104	39290	No
165	GOM_NL__2PRFIN20090904_223155_000000612082_00158_39290_3673.N1	04-SEP-2009 22:31:55	Twilight	61.000	151	13Mu Gem	2.8900	3000.0	122	39290	No
166	GOM_NL__2PRFIN20090904_223345_000000522082_00158_39290_3674.N1	04-SEP-2009 22:33:45	Twilight	51.500	44	24Gam Gem	1.9280	11000.	103	39290	No
167	GOM_NL__2PRFIN20090904_224340_000000512082_00158_39290_3675.N1	04-SEP-2009 22:43:40	Dark	51.000	1	9Alp CMa	-1.4400	11000.	102	39290	No
168	GOM_NL__2PRFIN20090904_224504_000000472082_00158_39290_3676.N1	04-SEP-2009 22:45:04	Dark	47.000	47	2Bet CMa	1.9760	28000.	94	39290	No
169	GOM_NL__2PRFIN20090904_224823_000000632082_00158_39290_3677.N1	04-SEP-2009 22:48:23	Dark	62.500	101	11Alp Lep	2.5820	7000.0	125	39290	No
170	GOM_NL__2PRFIN20090904_230319_000000562082_00159_39291_3683.N1	04-SEP-2009 23:03:19	Dark	55.500	157	The1Eri	2.9060	9300.0	111	39291	No
171	GOM_NL__2PRFIN20090904_231038_000000472082_00159_39291_3684.N1	04-SEP-2009 23:10:38	Straylight	47.000	84	Alp Phe	2.3970	4500.0	94	39291	No
172	GOM_NL__2PRFIN20090904_233109_000000442082_00159_39291_3685.N1	04-SEP-2009 23:31:09	Bright	44.000	90	54Alp Peg	2.4870	11000.	88	39291	No
173	GOM_NL__2PRFIN20090904_233521_000000612082_00159_39291_3686.N1	04-SEP-2009 23:35:21	Bright	61.000	164	44Eta Peg	2.9480	5400.0	122	39291	No
174	GOM_NL__2PRFIN20090904_234553_000000442082_00159_39291_3687.N1	04-SEP-2009 23:45:53	Bright	44.000	74	11Bet Cas	2.2680	6600.0	88	39291	No
175	GOM_NL__2PRFIN20090904_234757_000000452082_00159_39291_3688.N1	04-SEP-2009 23:47:57	Bright	44.500	76	27Gam Cas	2.3000	30000.	89	39291	No

3. Quality information per product

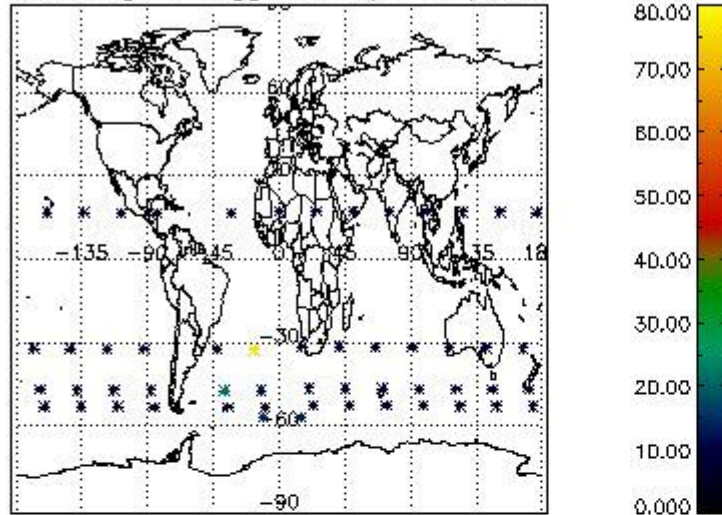
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

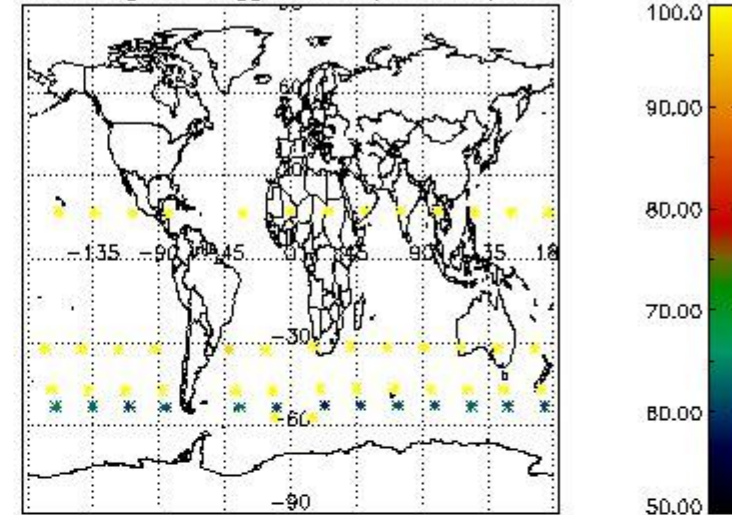


3.2 Plot quality information per product (world map)

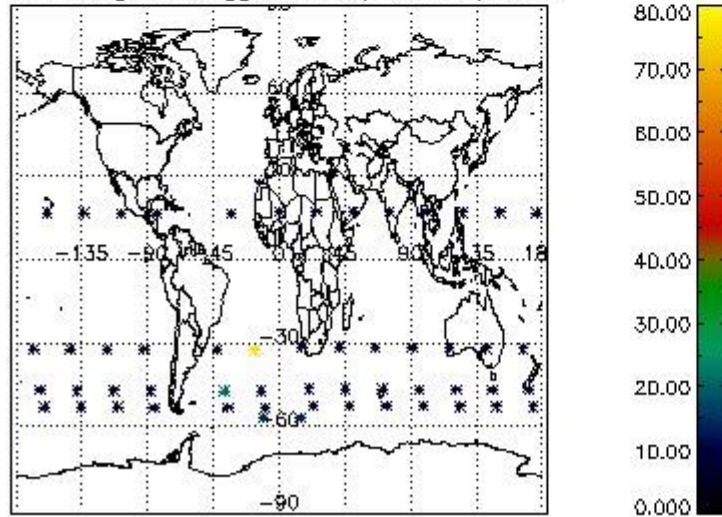
Percentage of flagged data per O3 profile



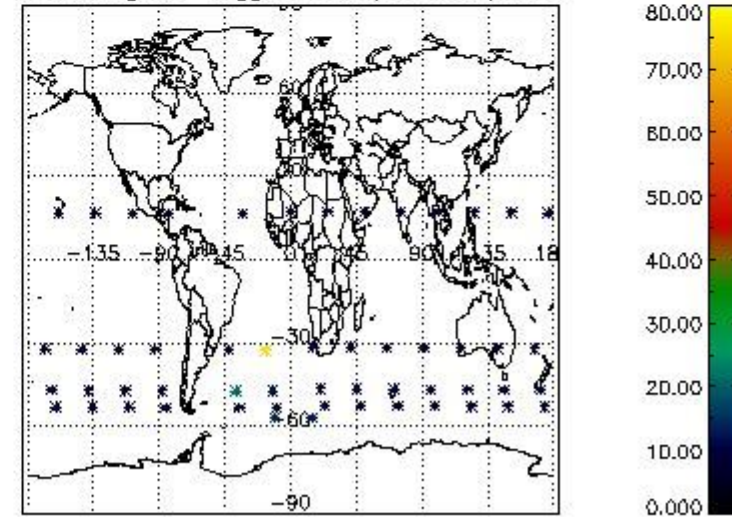
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

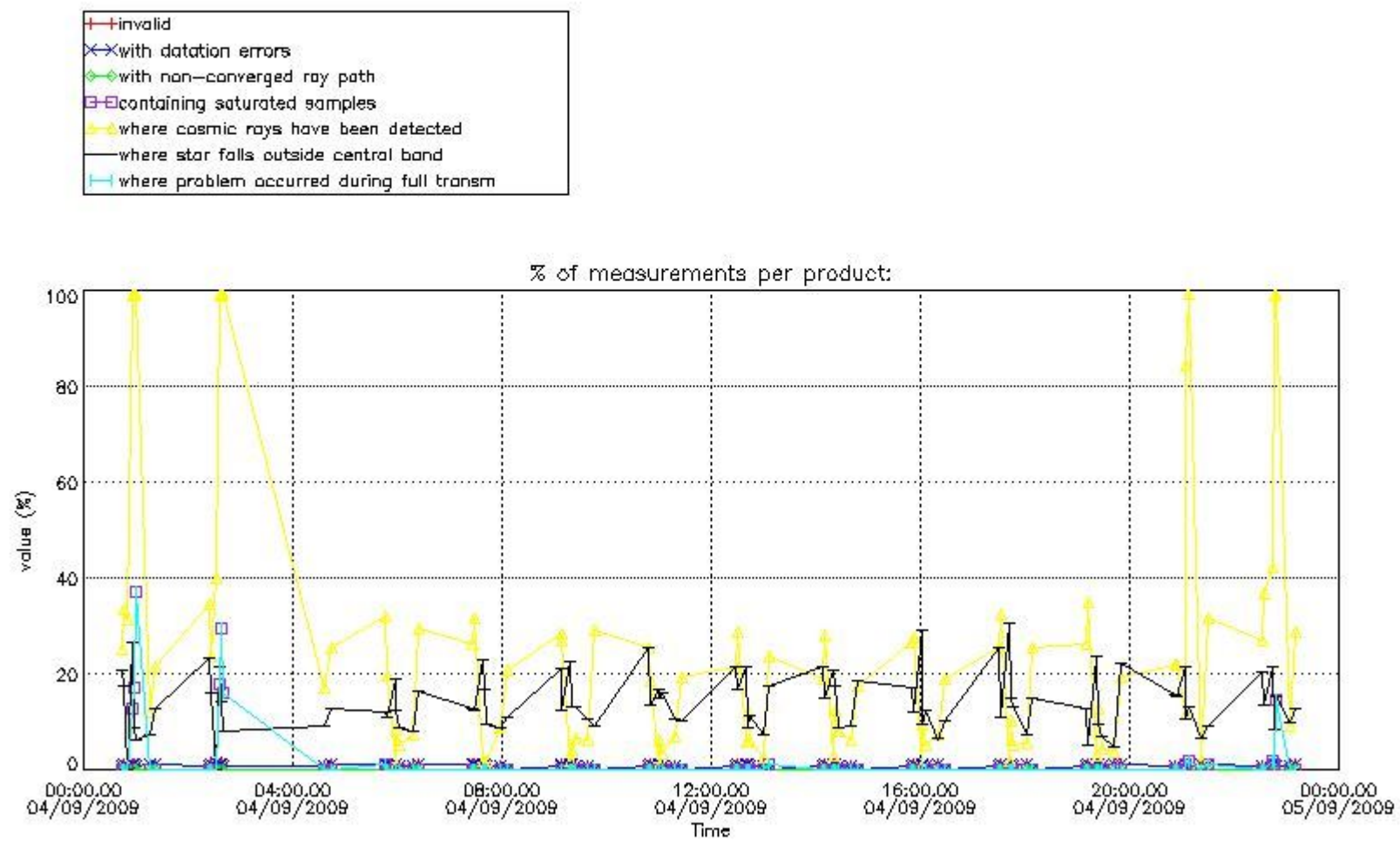


4. Level 1 quality information per product

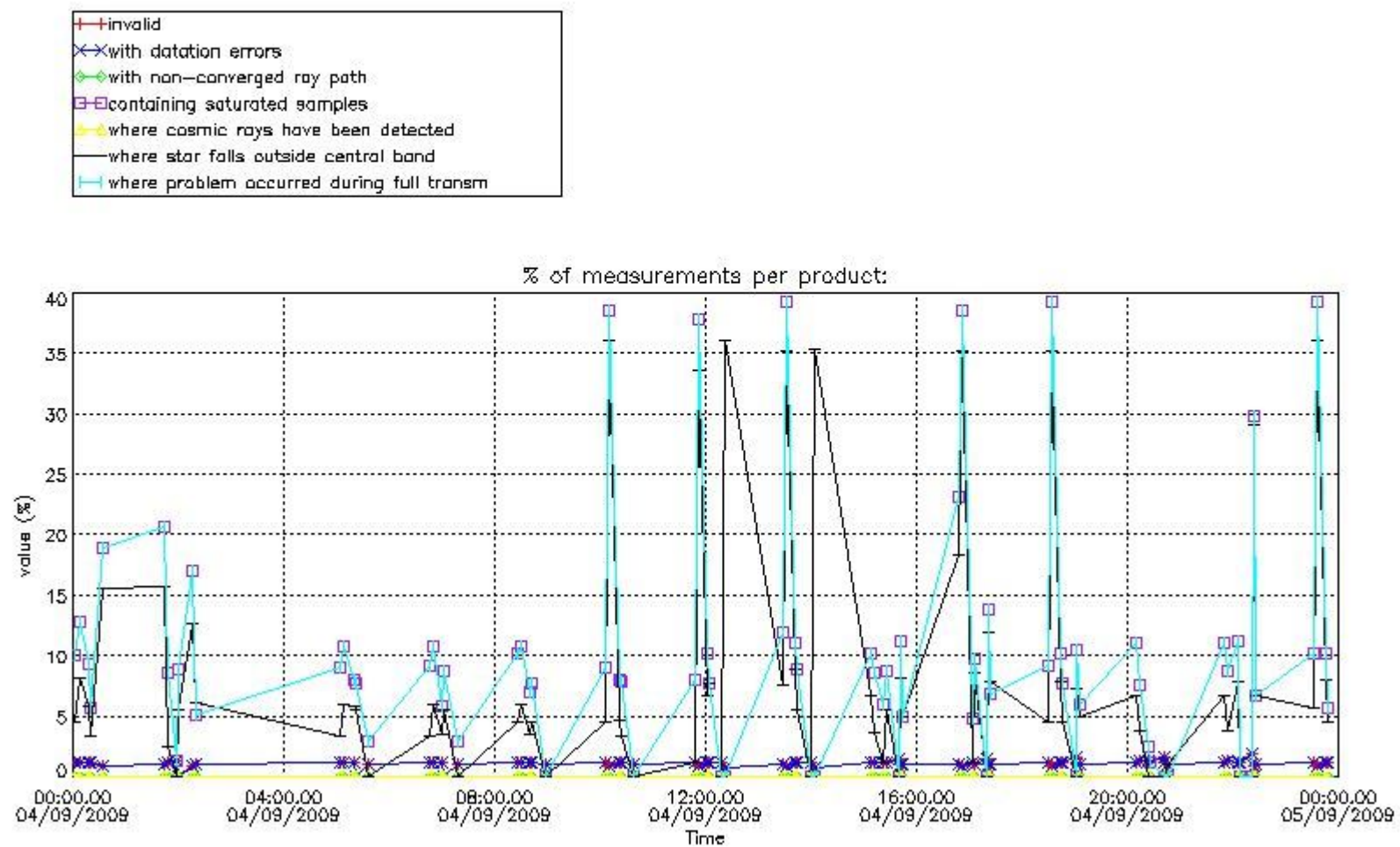
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



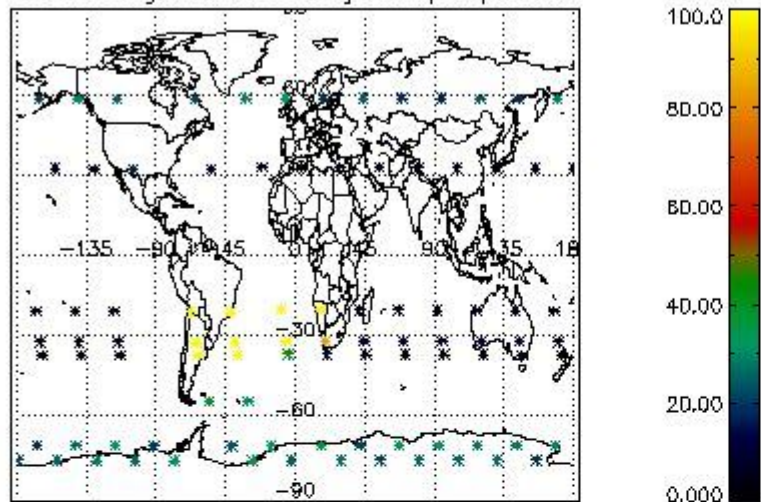
4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



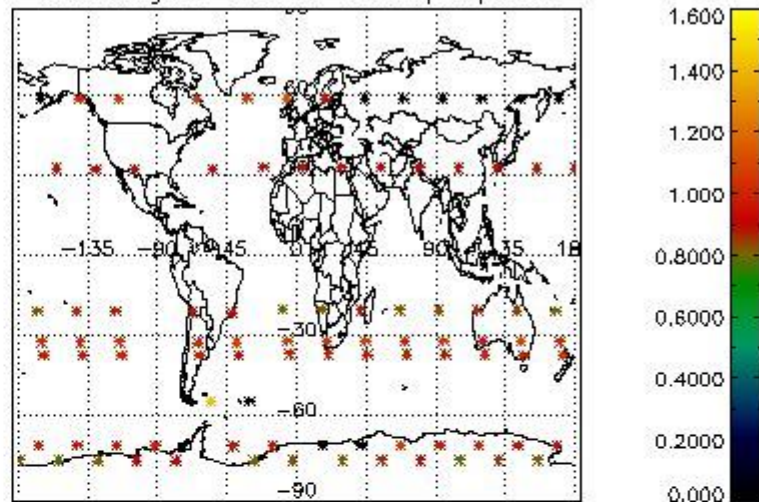
4.2 Plot quality information per product coming from level 1b processing (world map)

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

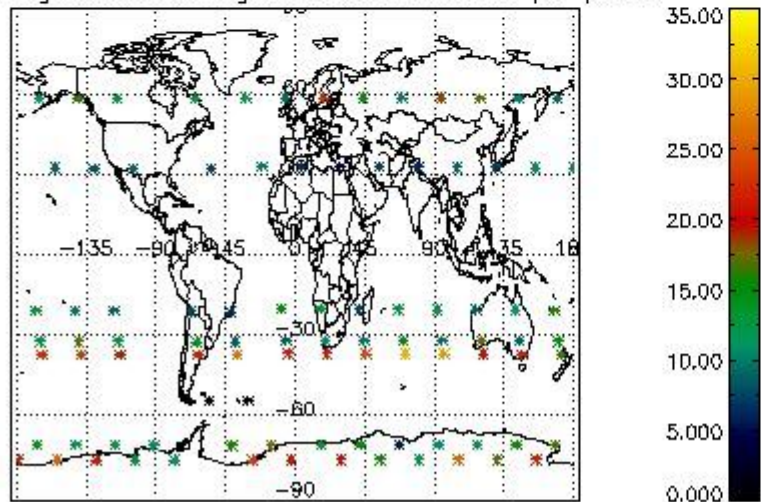
Percentage of cosmic ray hits per profile



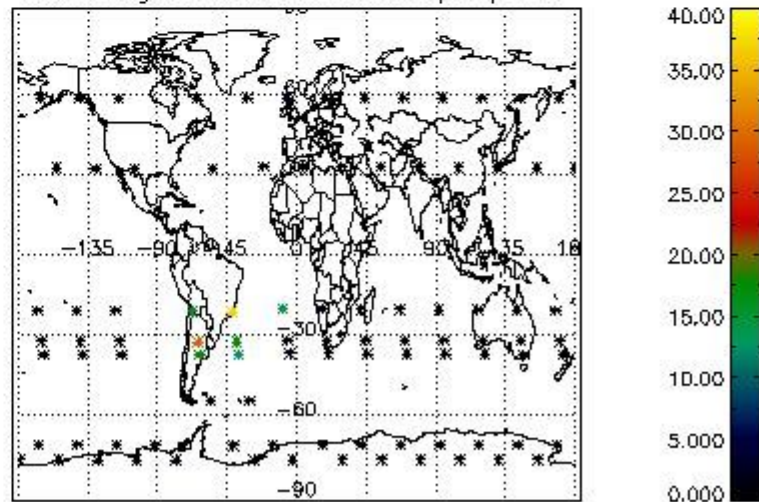
Percentage of datation errors per profile



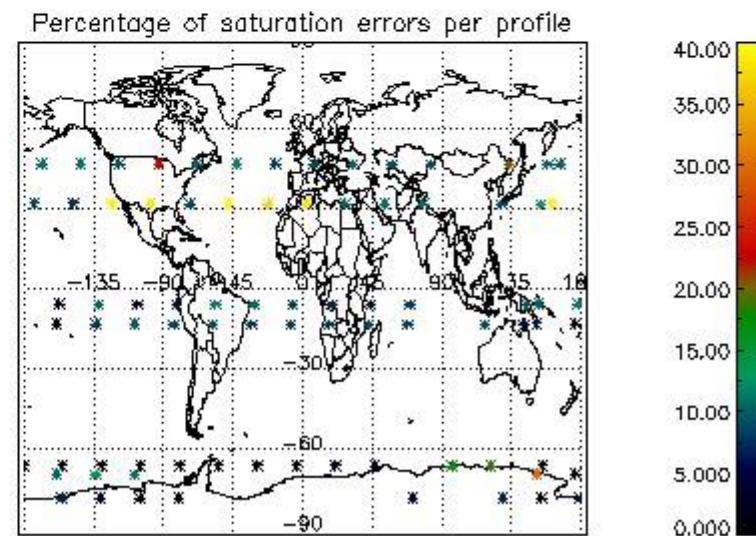
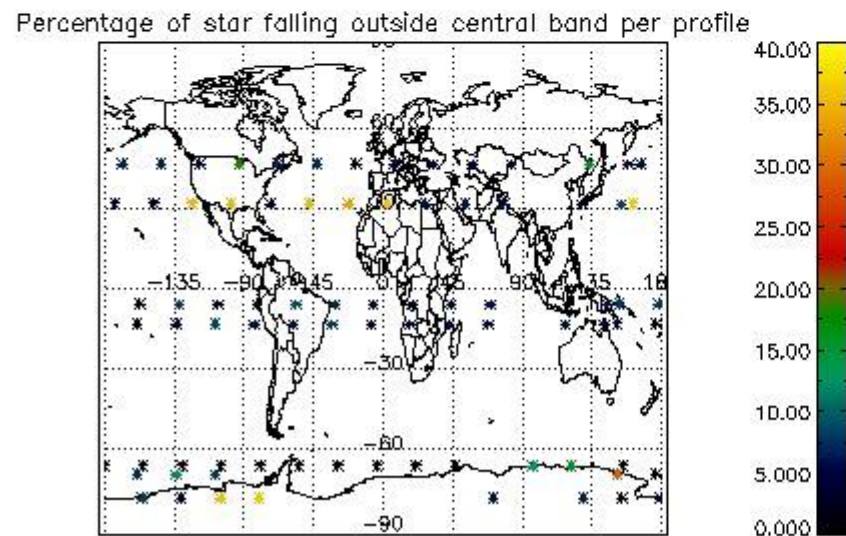
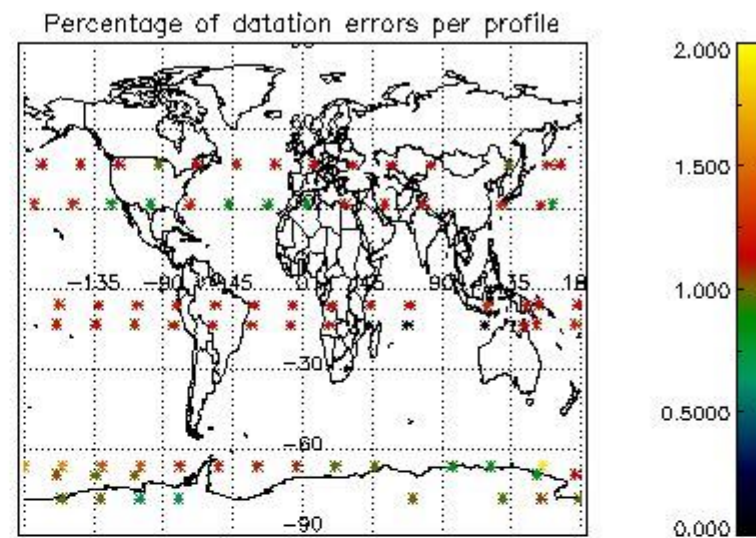
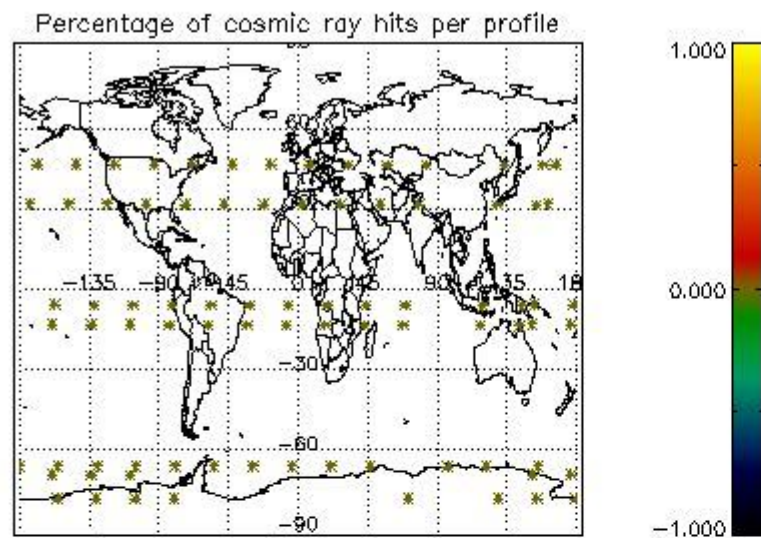
Percentage of star falling outside central band per profile



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

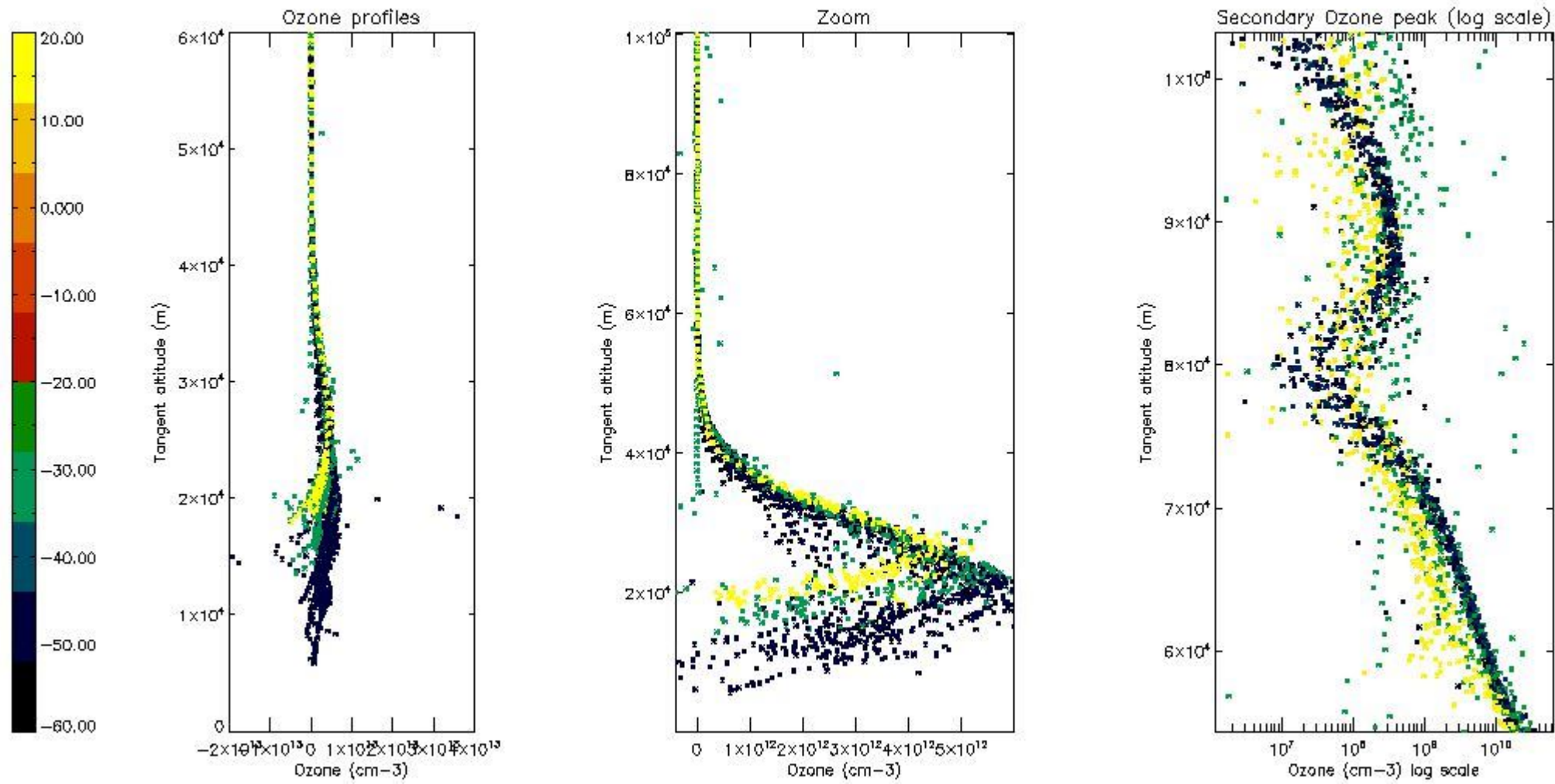
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	33
STD < 20	17

STD < 10	14
STD < 5	9

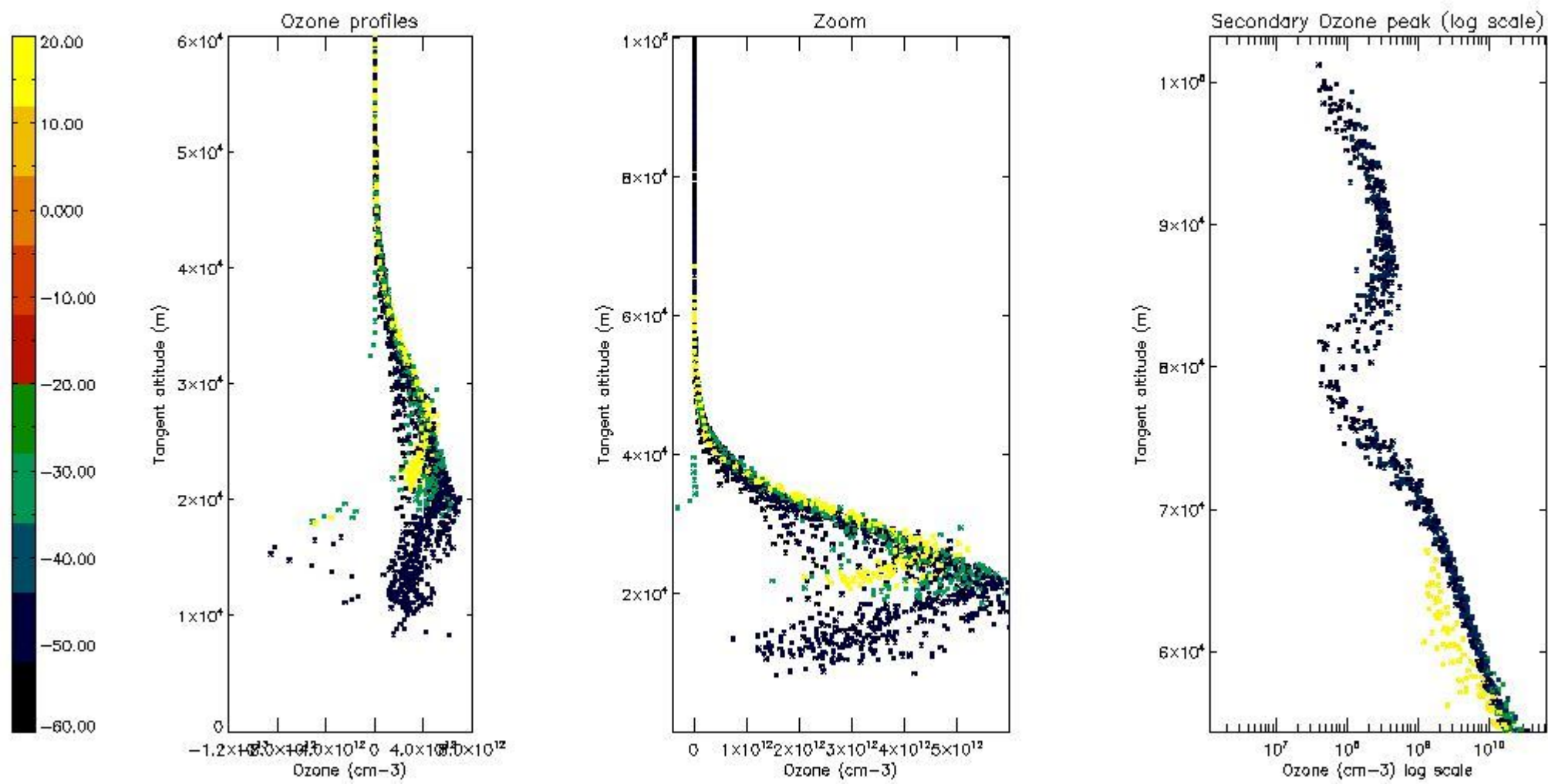
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



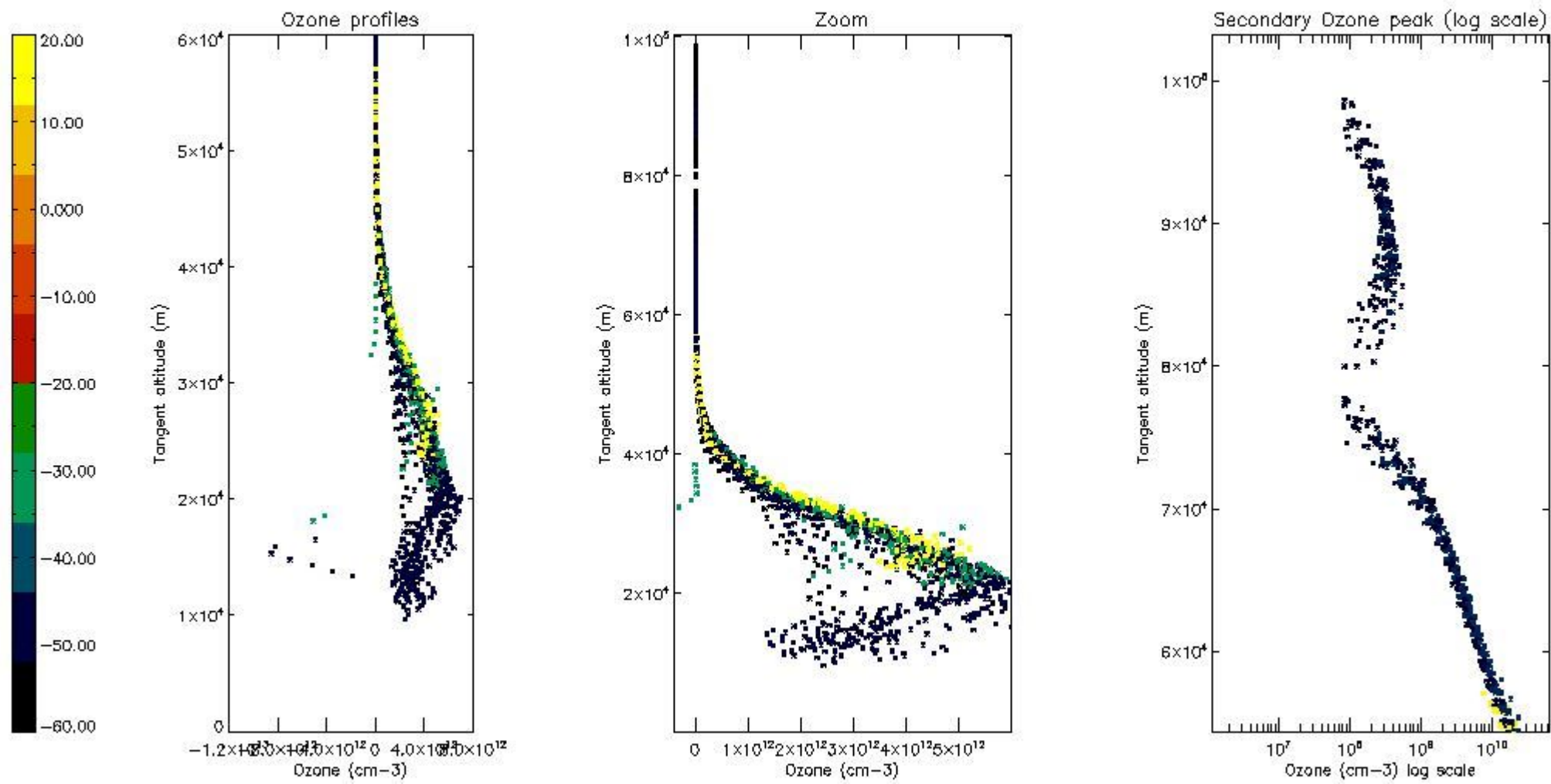
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



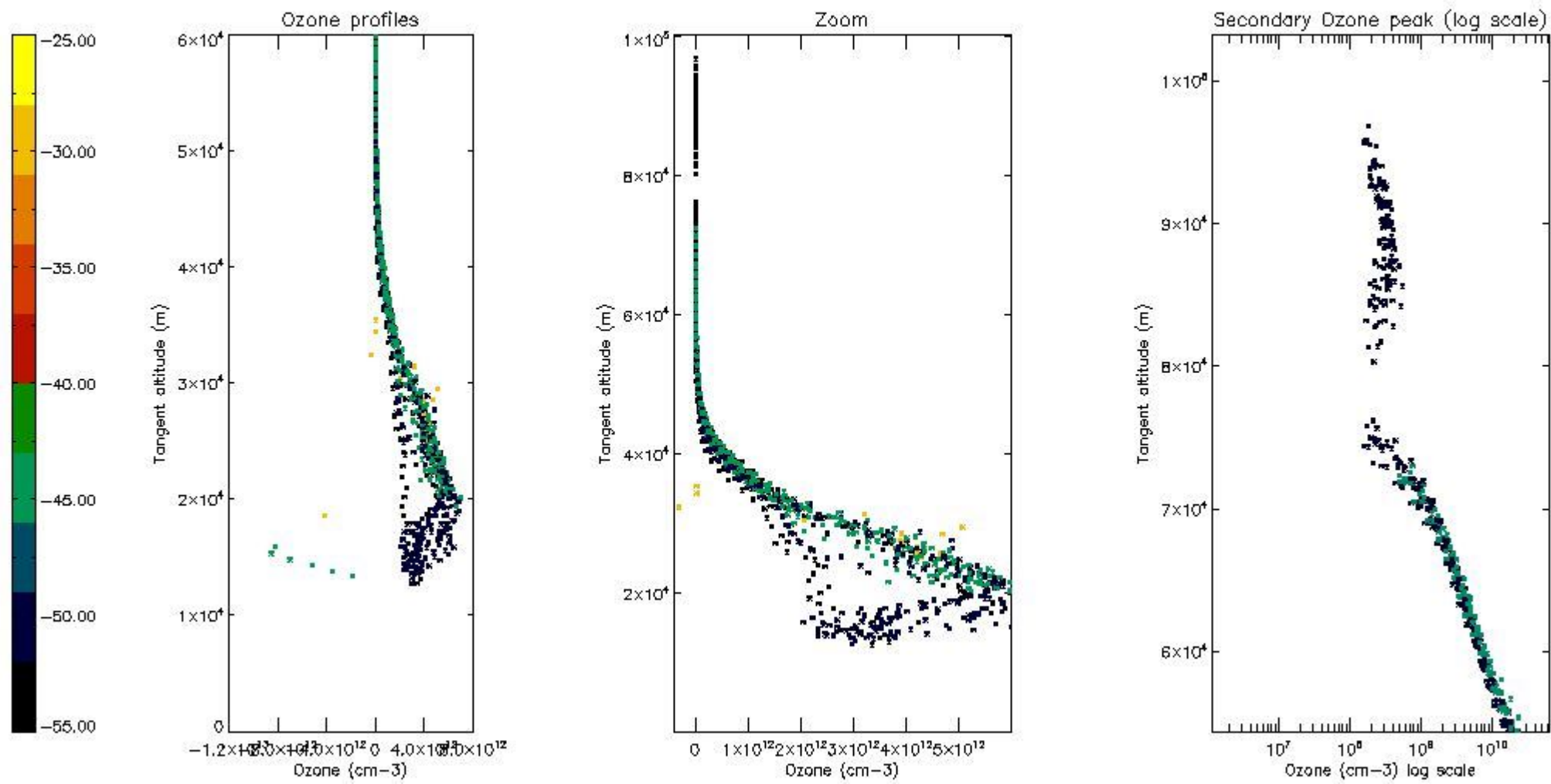
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



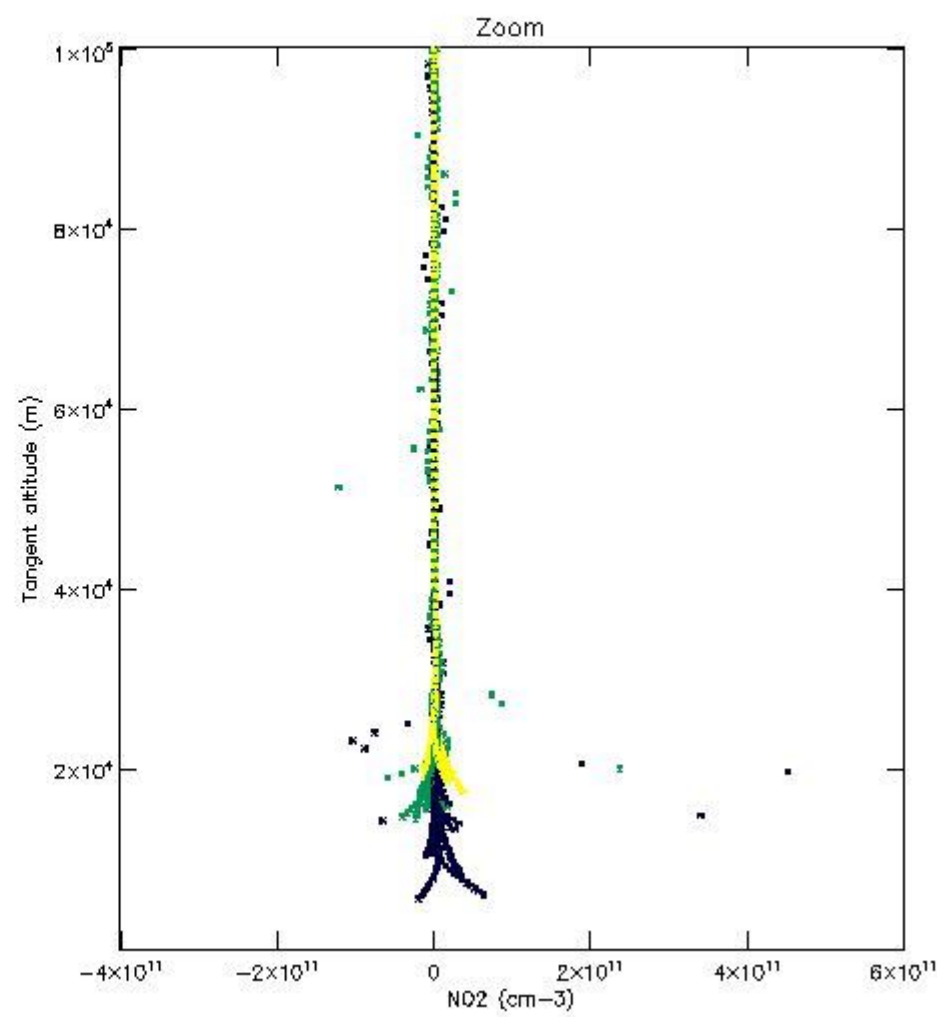
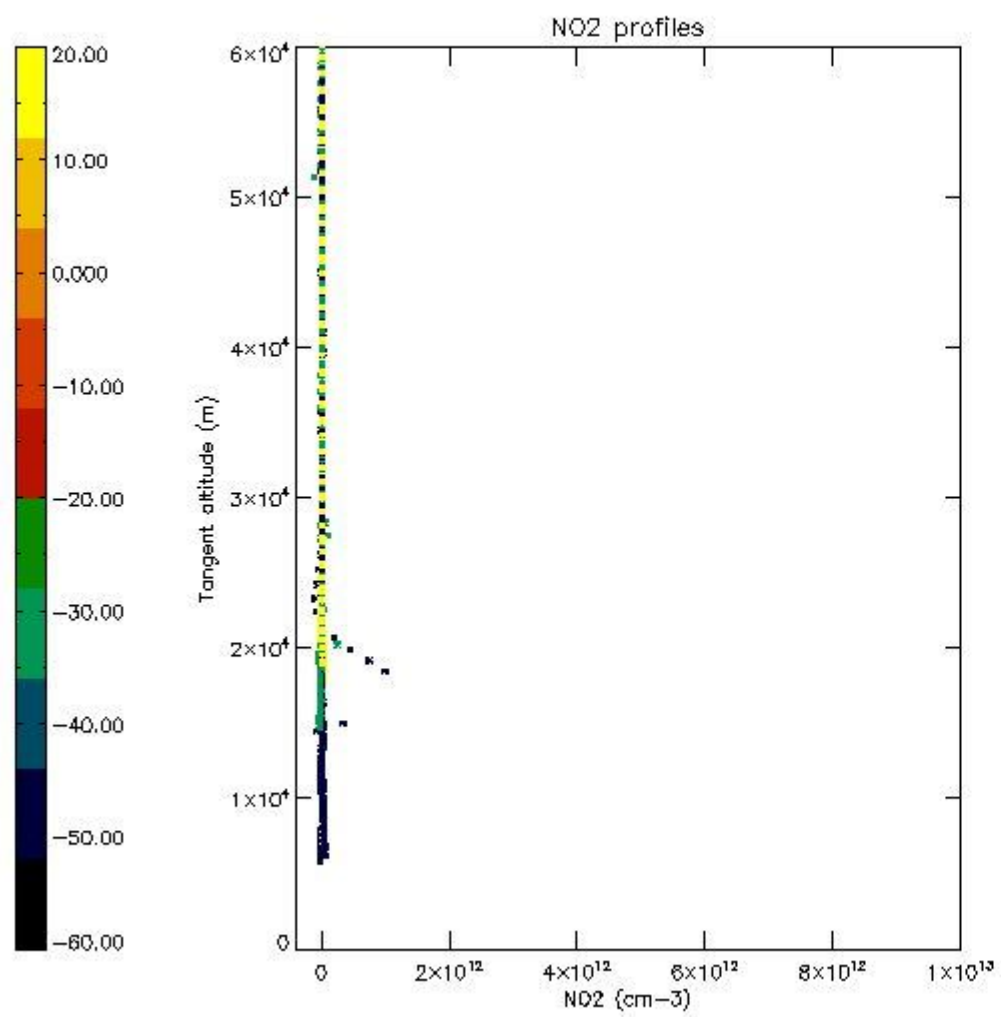
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



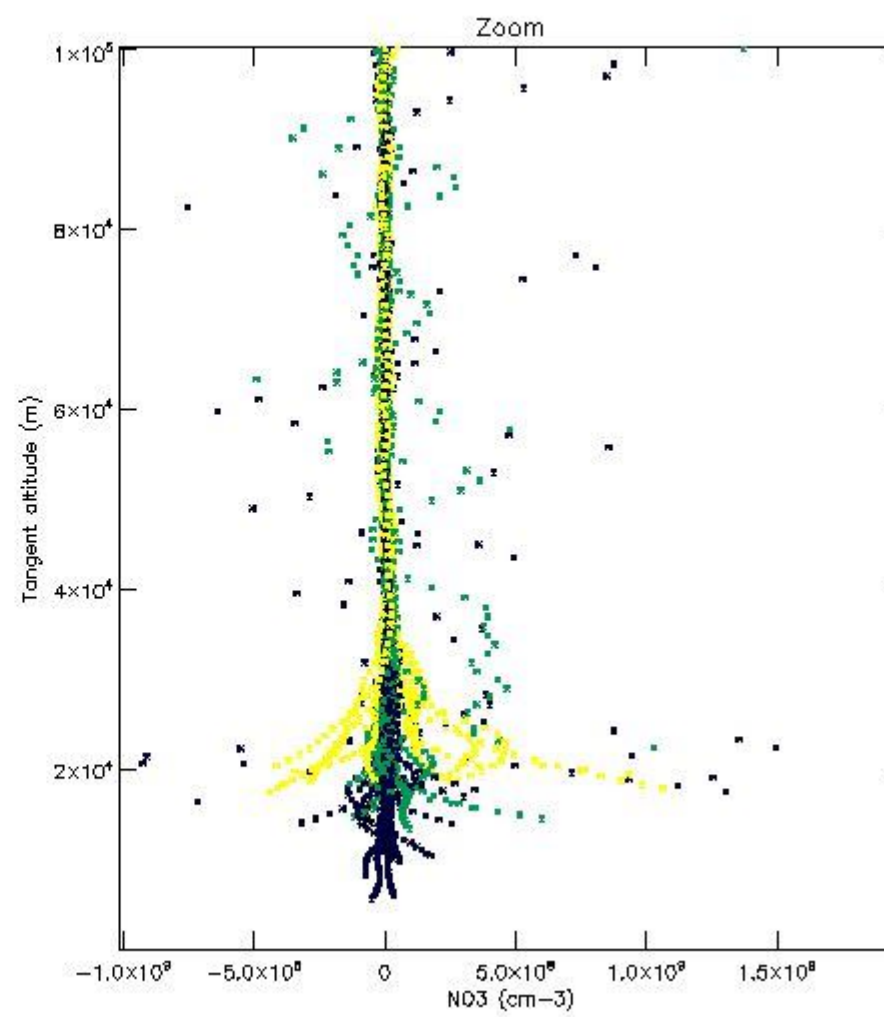
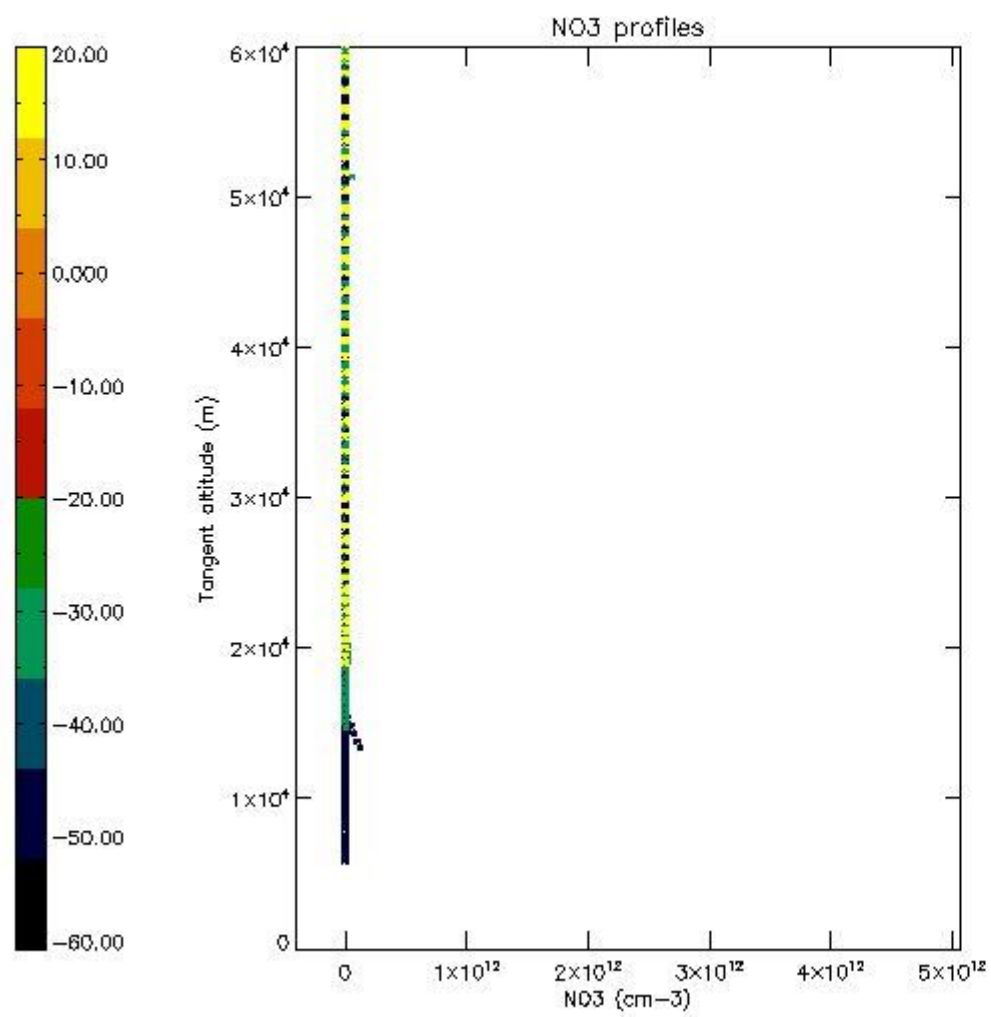
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



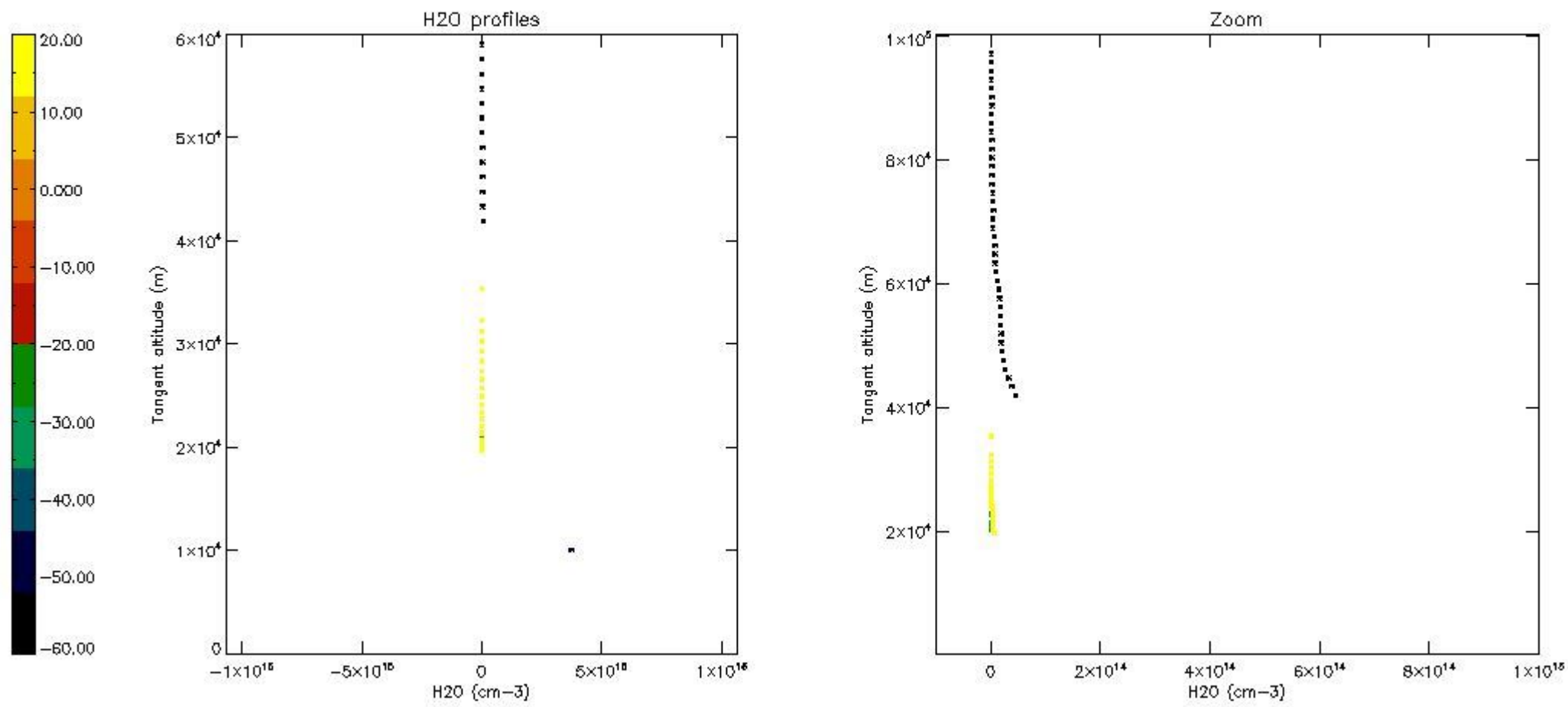
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

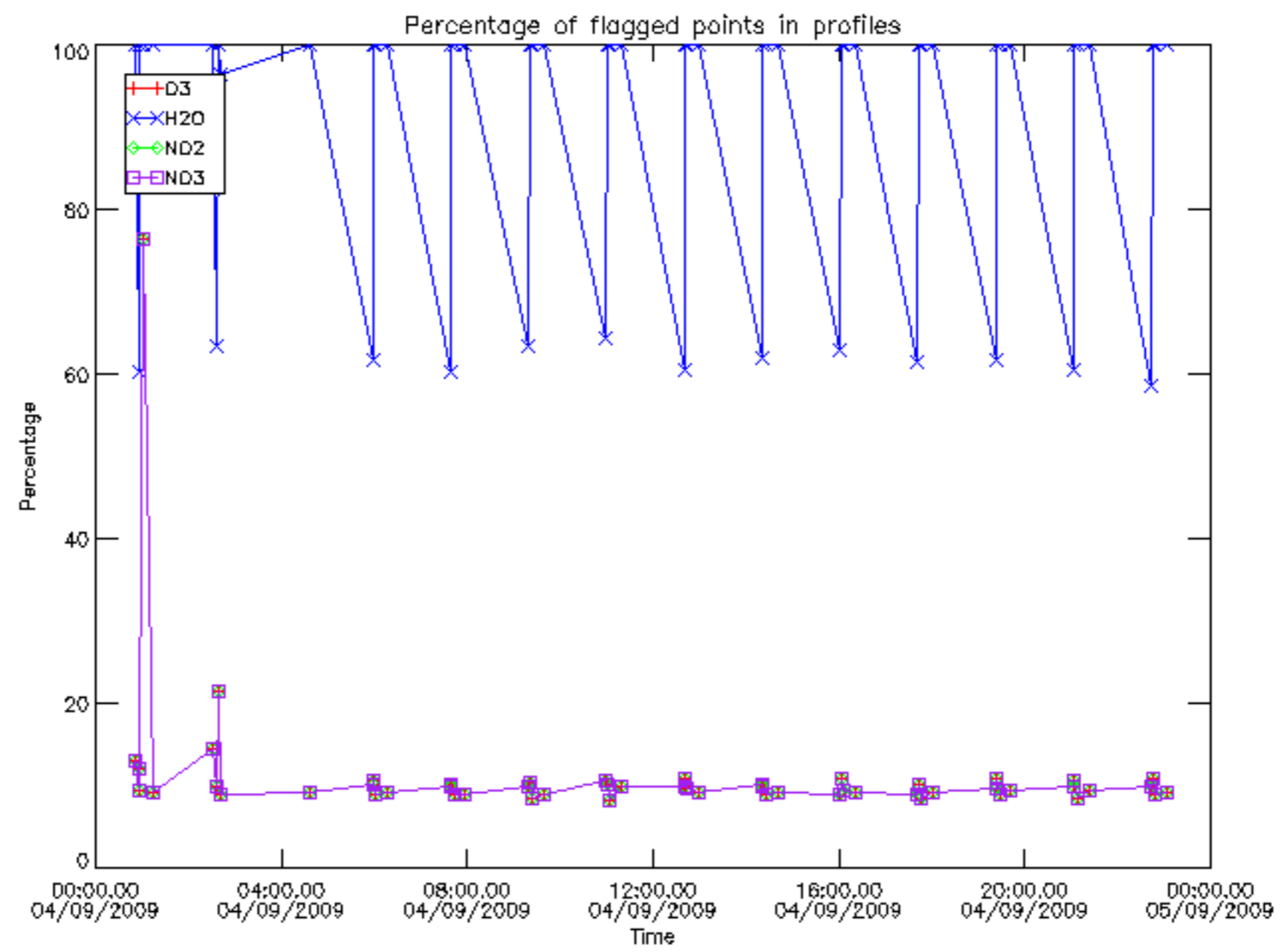
The colorbar represents the latitude.



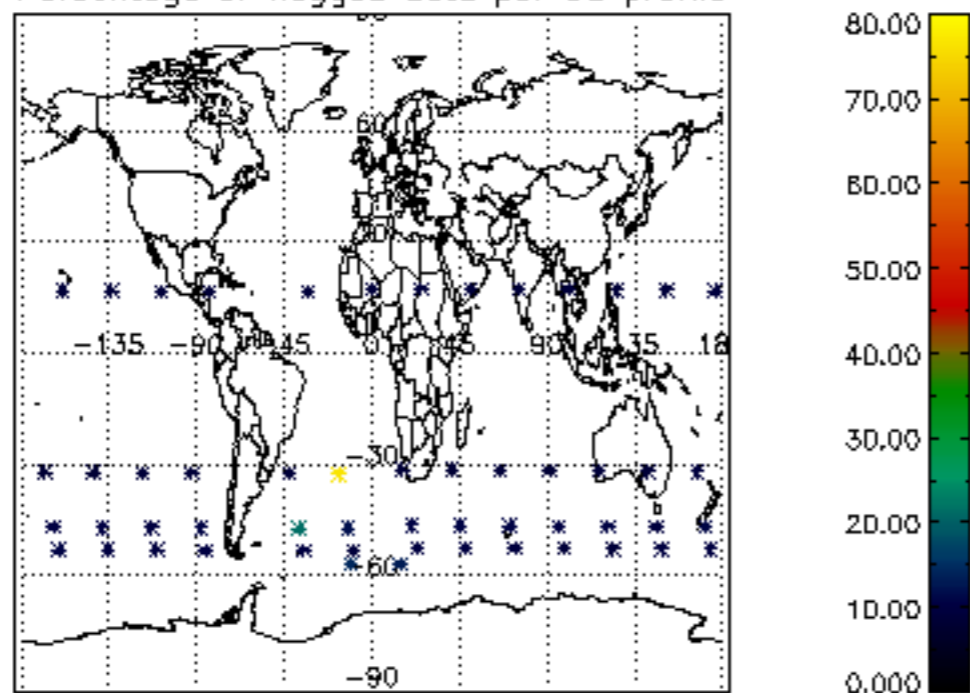
6. Auxiliary Data Files used for the production reported in section 2

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.

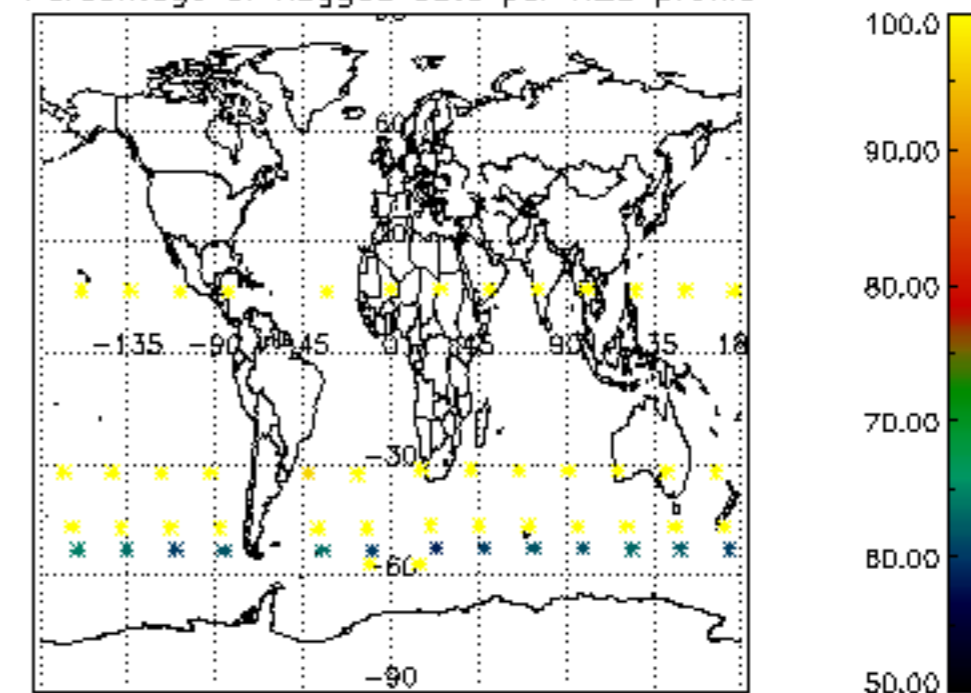
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	04-SEP-2009 00:02:51
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	04-SEP-2009 00:02:51
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	04-SEP-2009 00:02:51



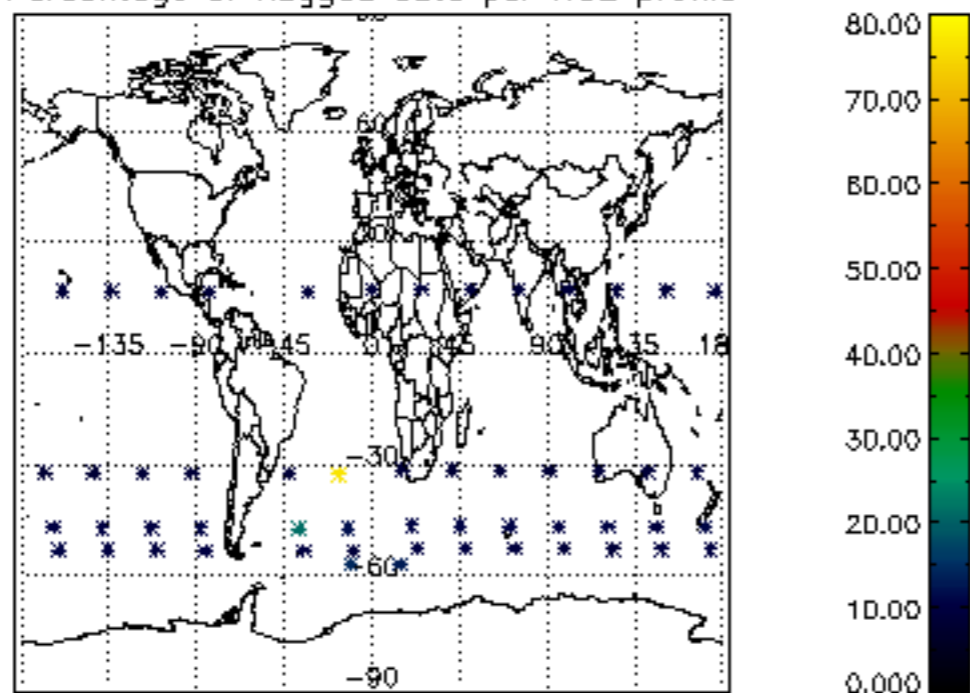
Percentage of flagged data per D3 profile



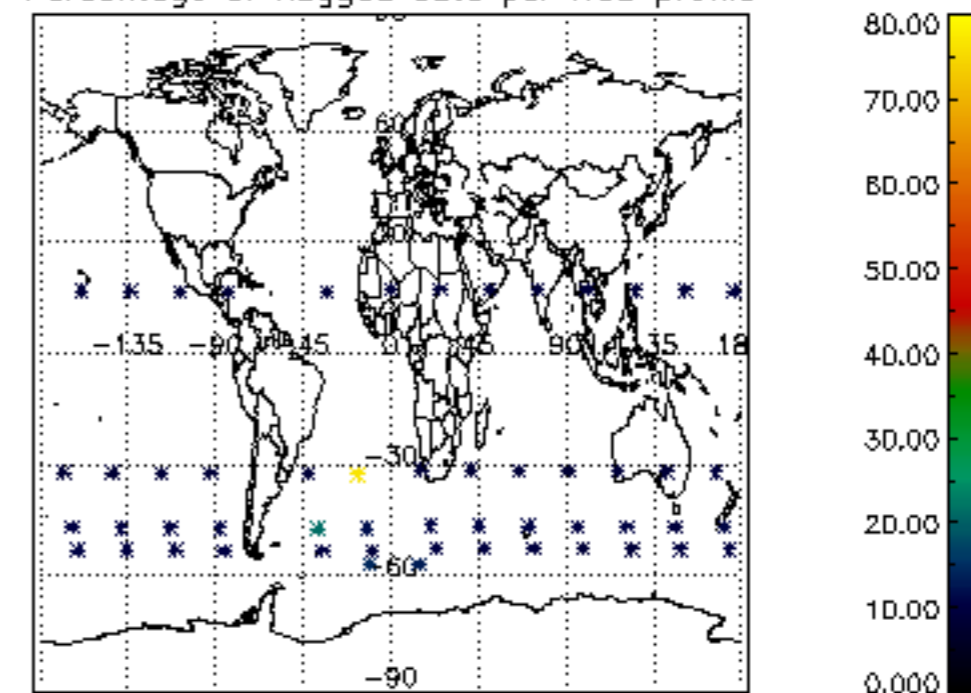
Percentage of flagged data per H2O profile

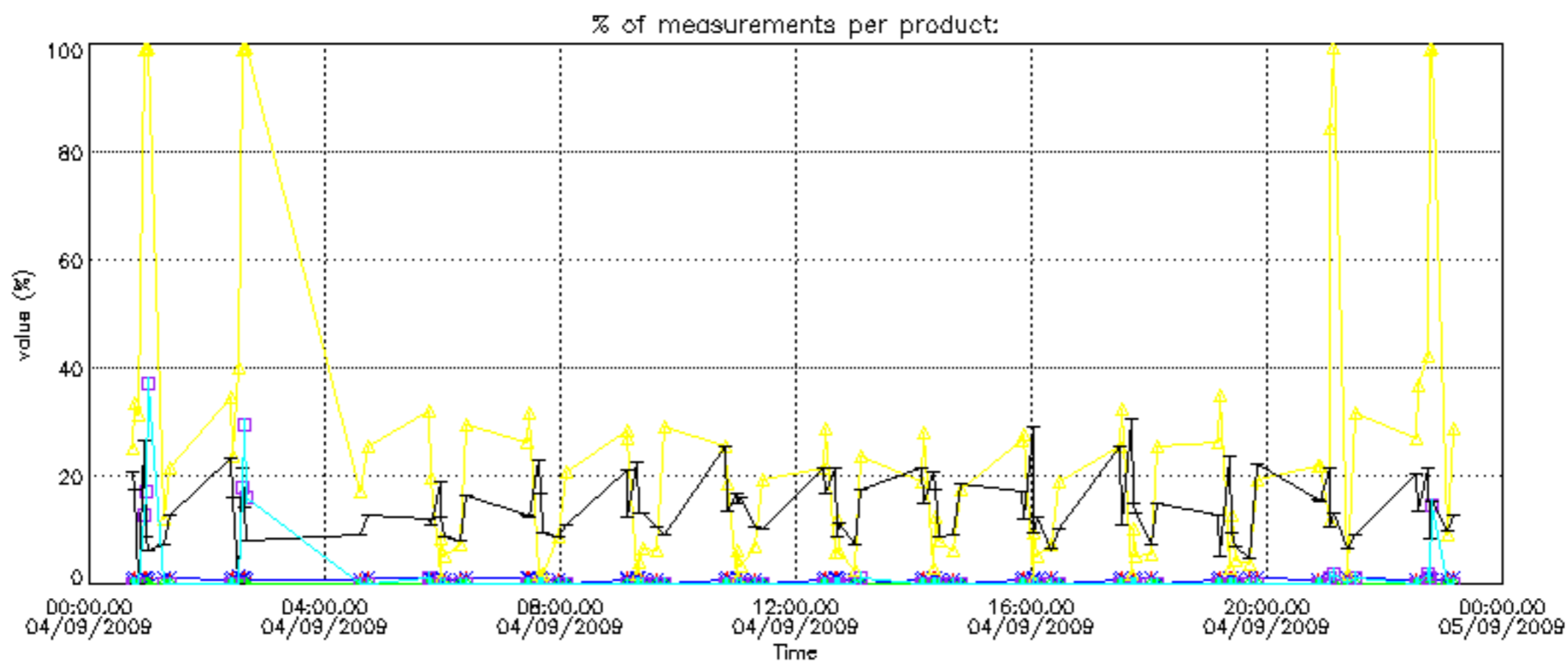
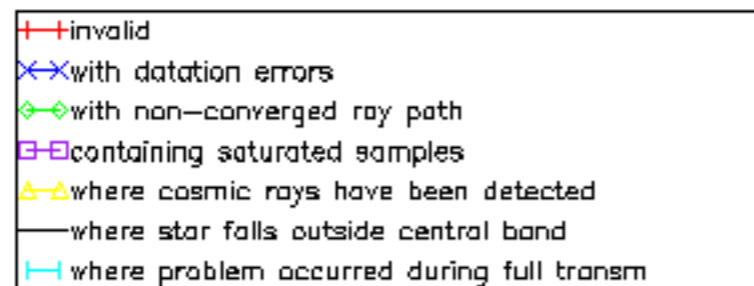


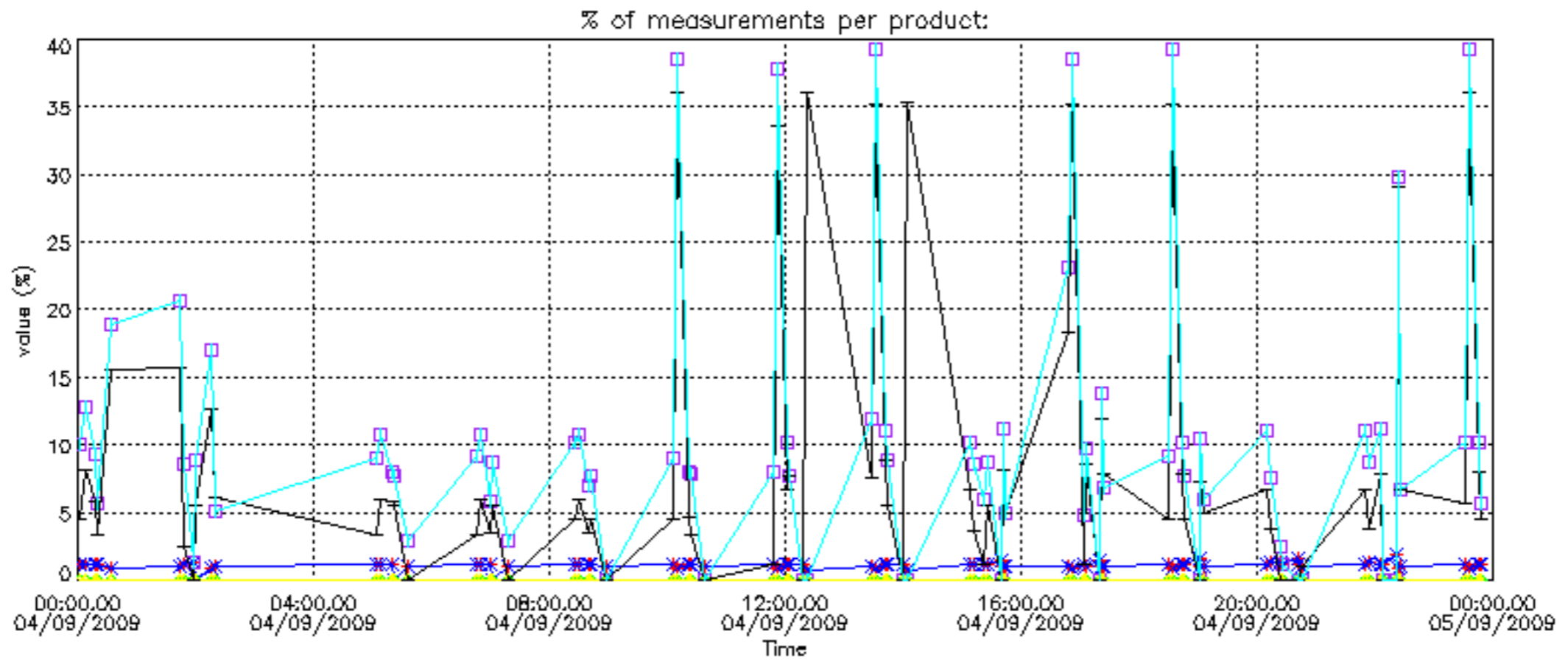
Percentage of flagged data per NO2 profile



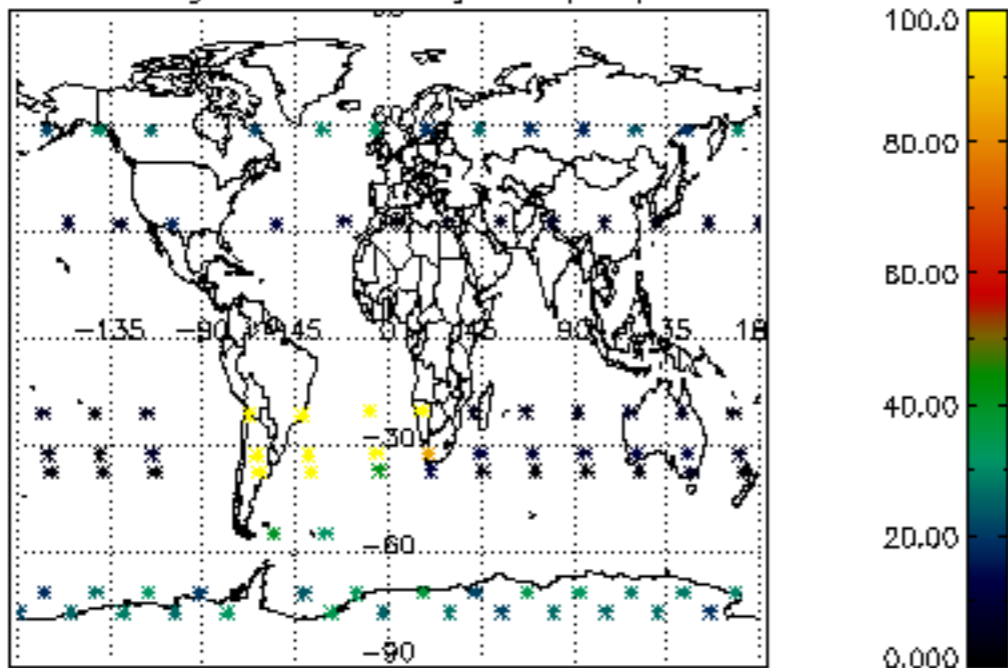
Percentage of flagged data per NO3 profile



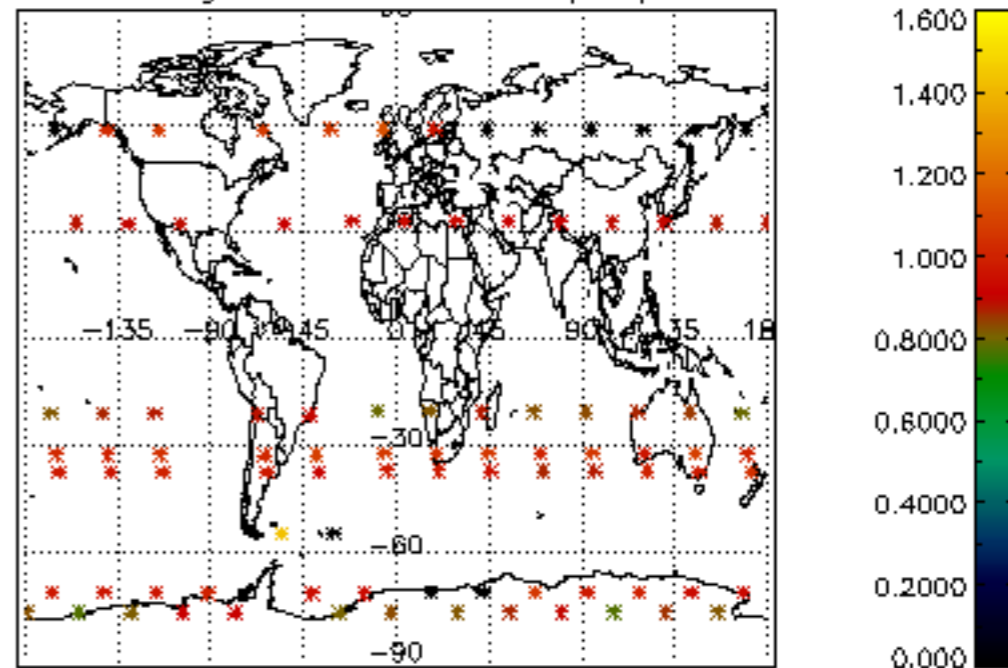




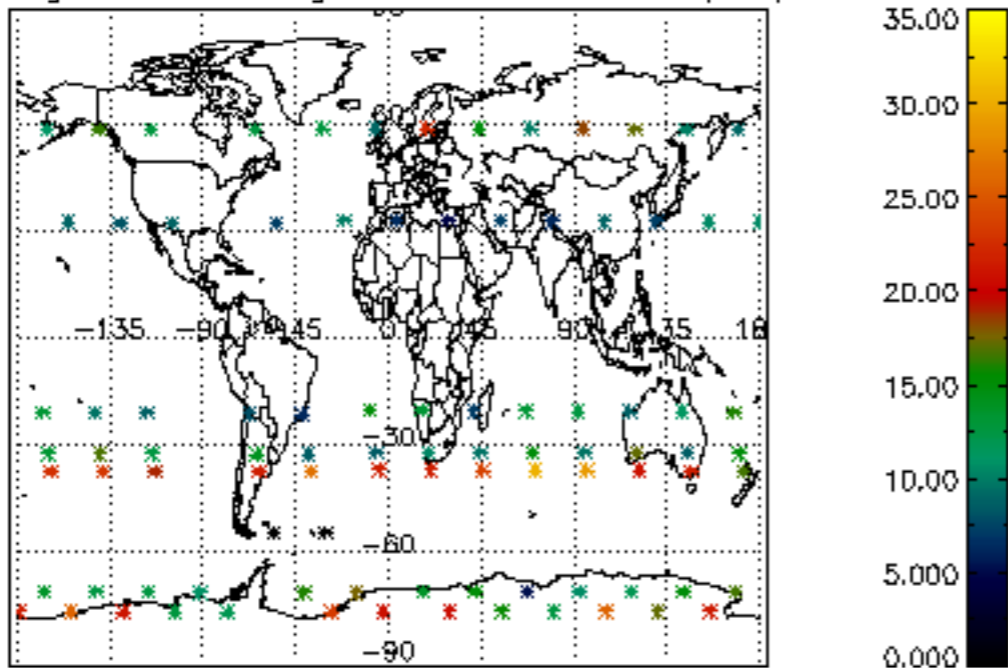
Percentage of cosmic ray hits per profile



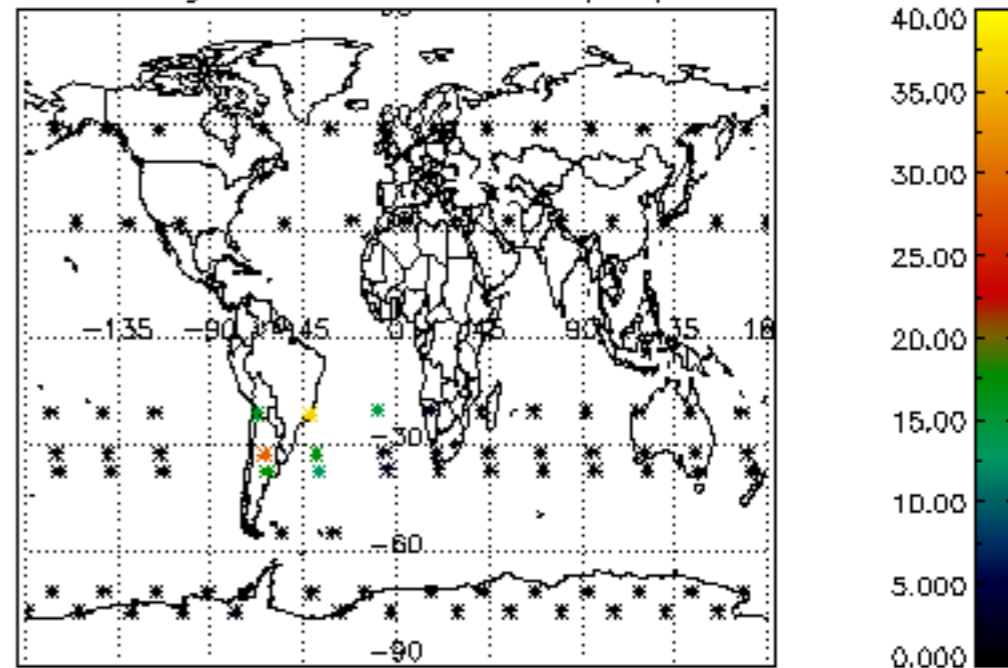
Percentage of datation errors per profile



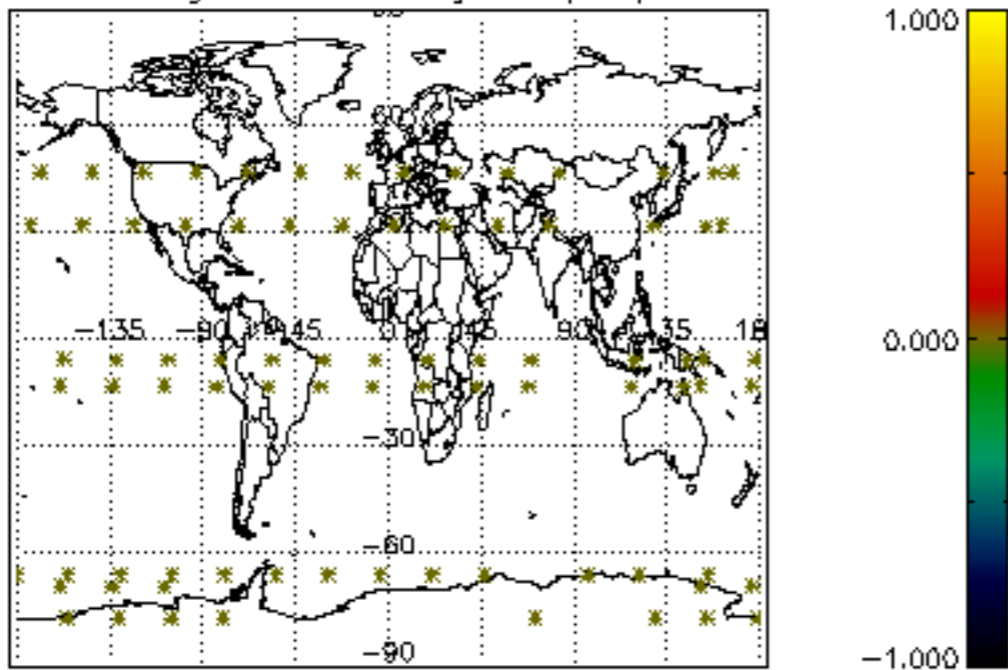
Percentage of star falling outside central band per profile



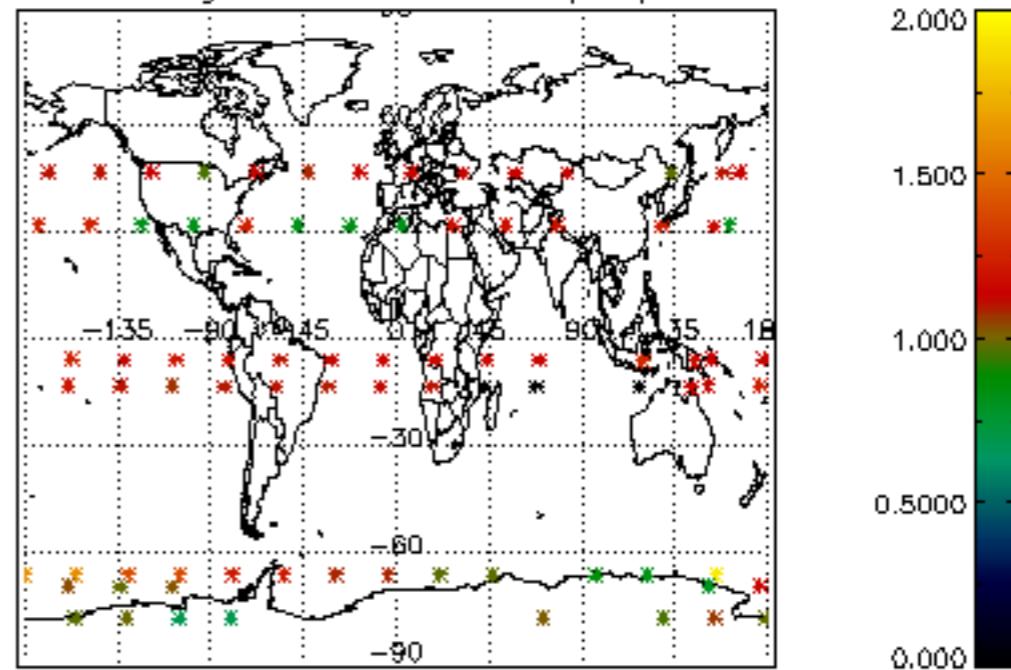
Percentage of saturation errors per profile



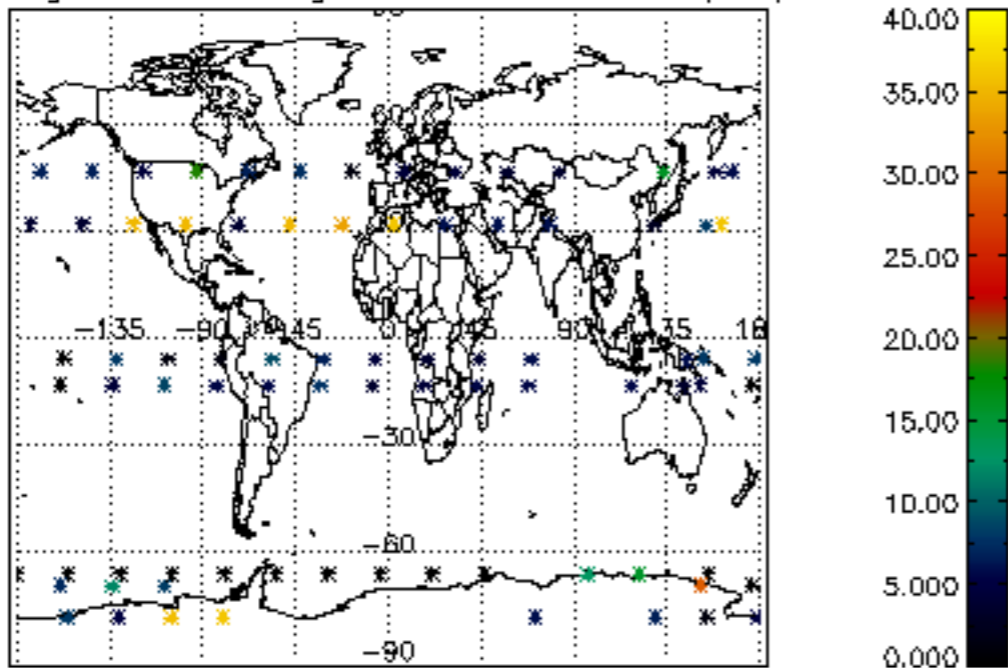
Percentage of cosmic ray hits per profile



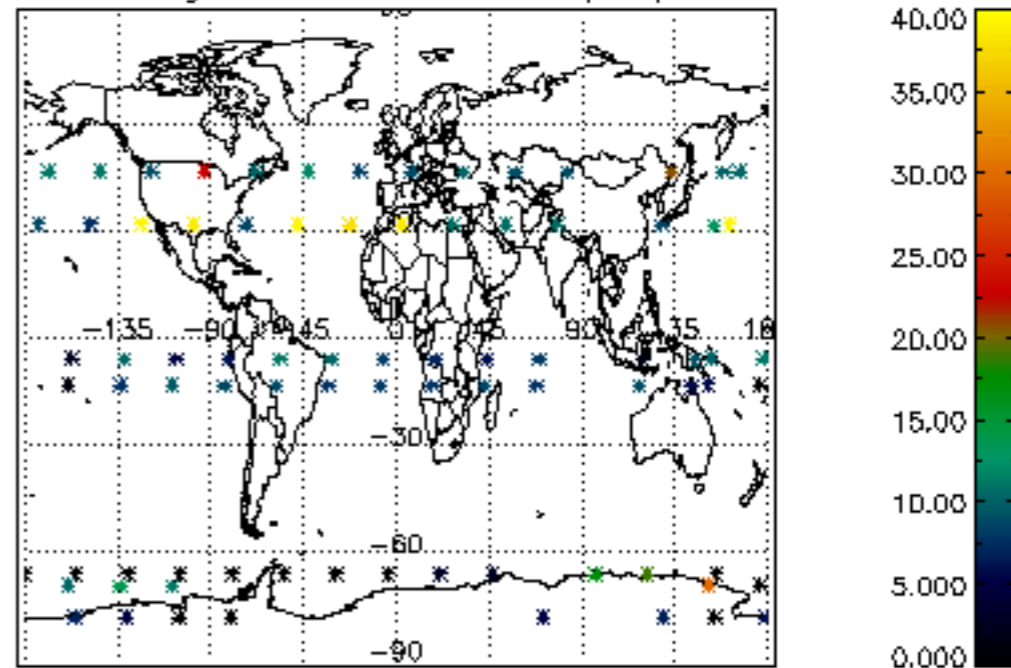
Percentage of datation errors per profile

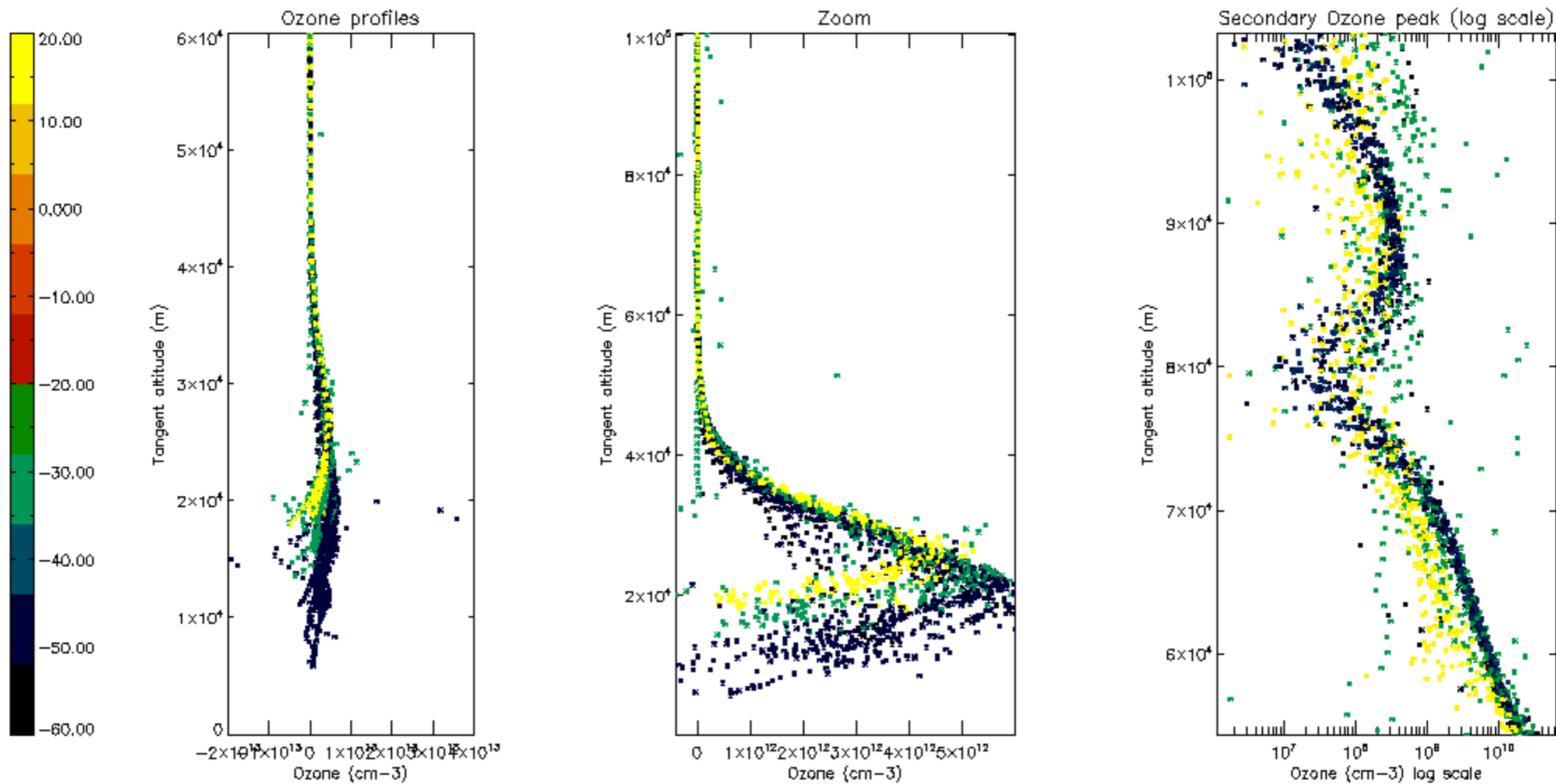


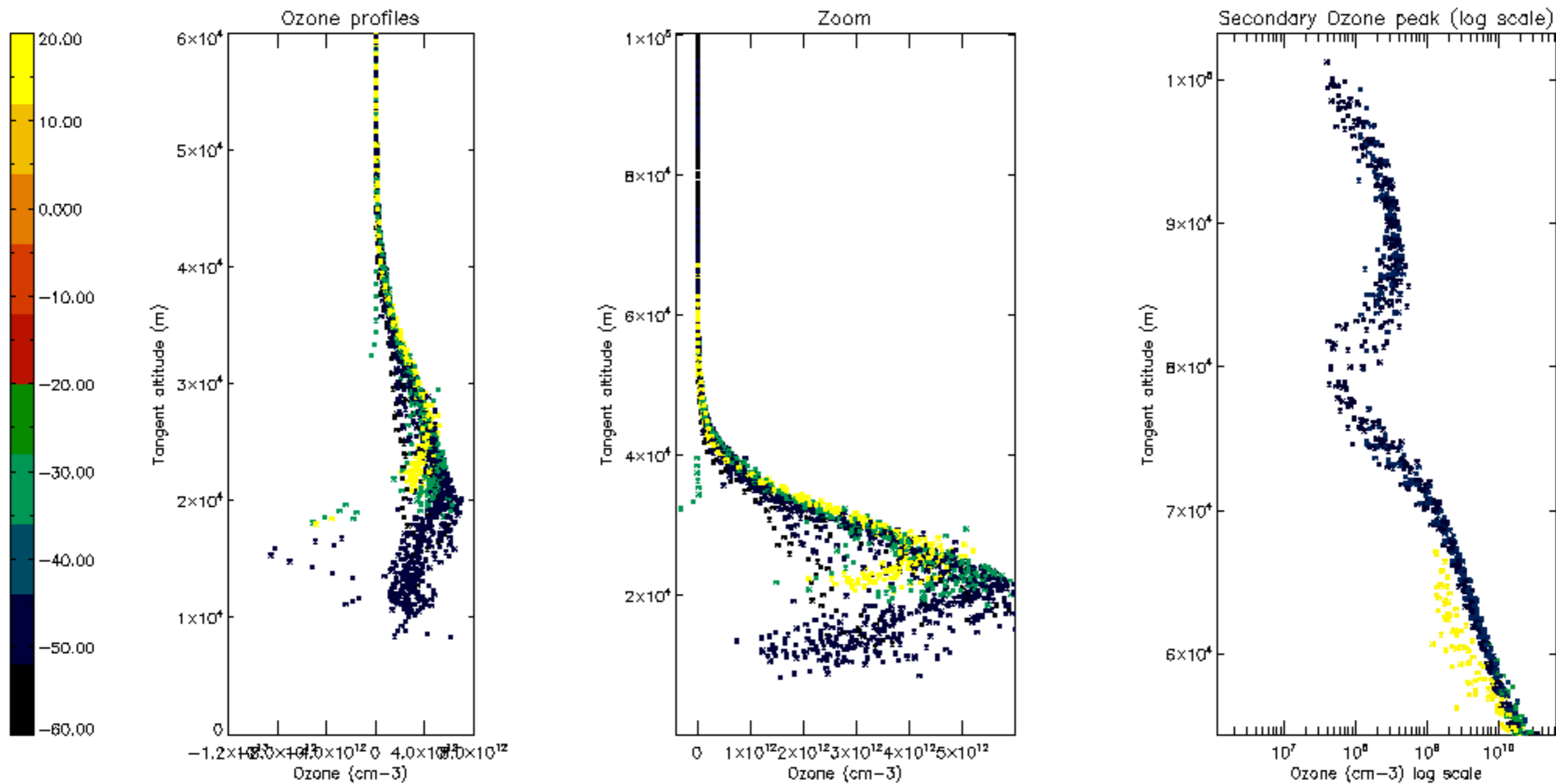
Percentage of star falling outside central band per profile

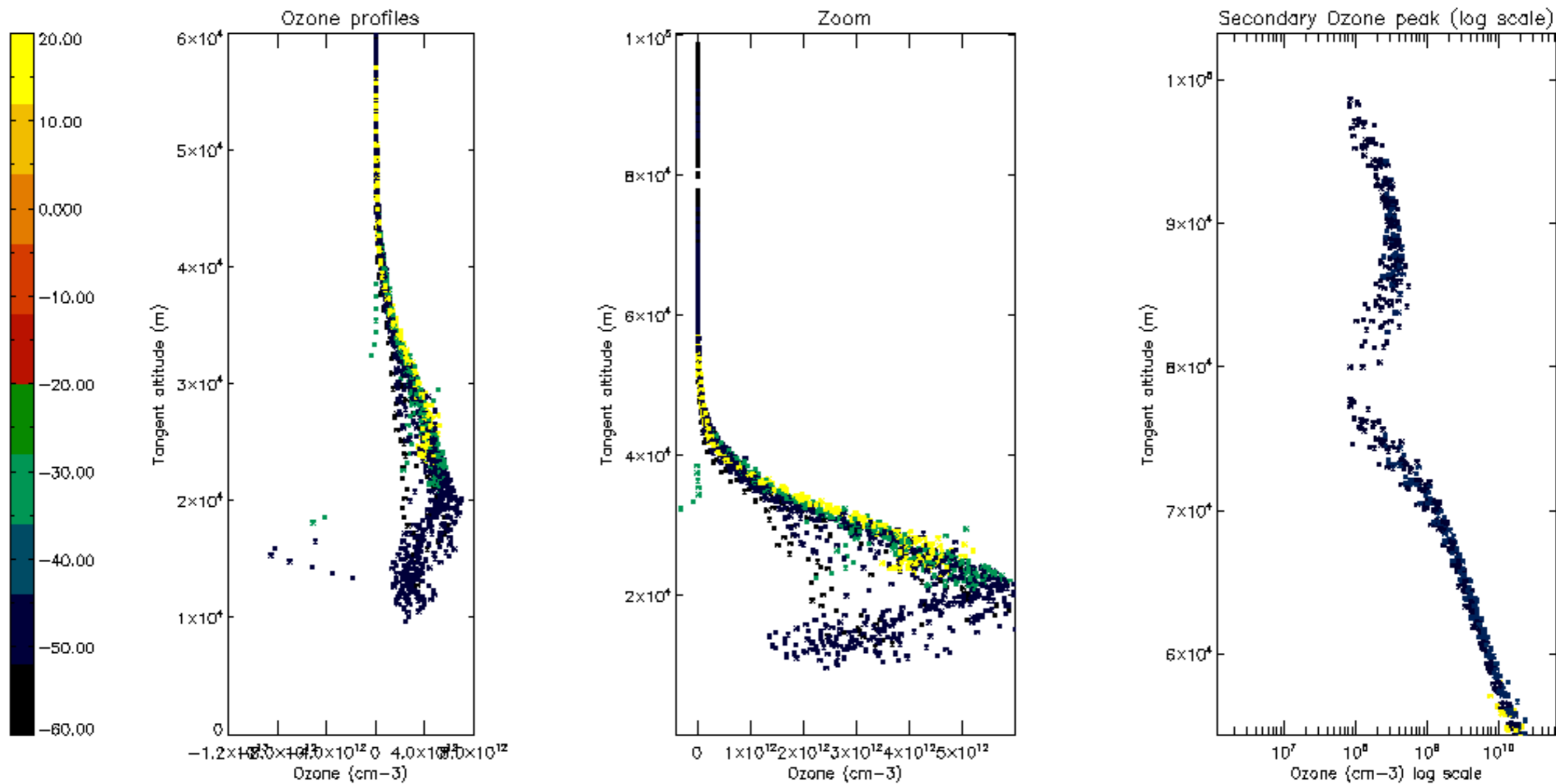


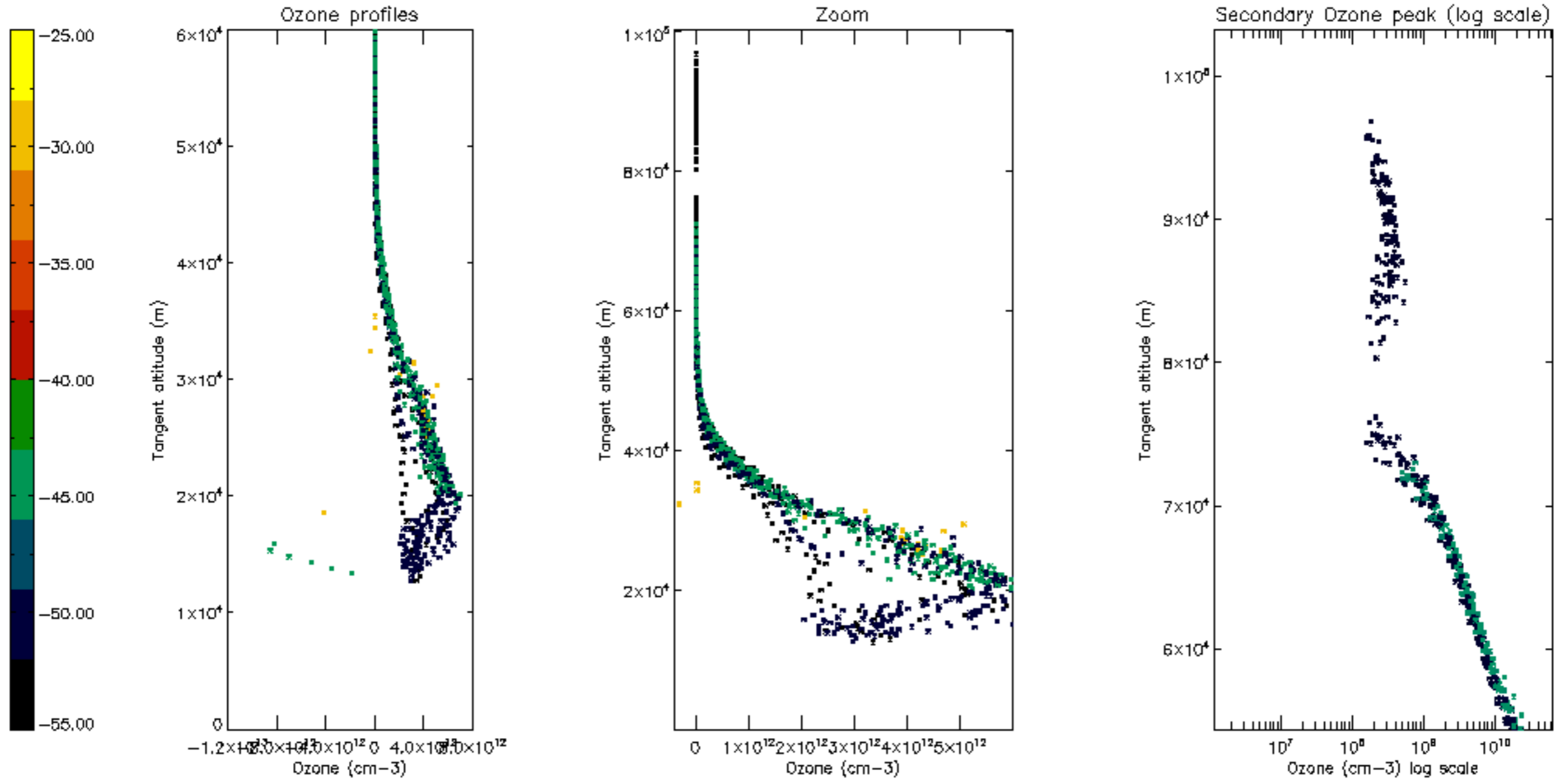
Percentage of saturation errors per profile

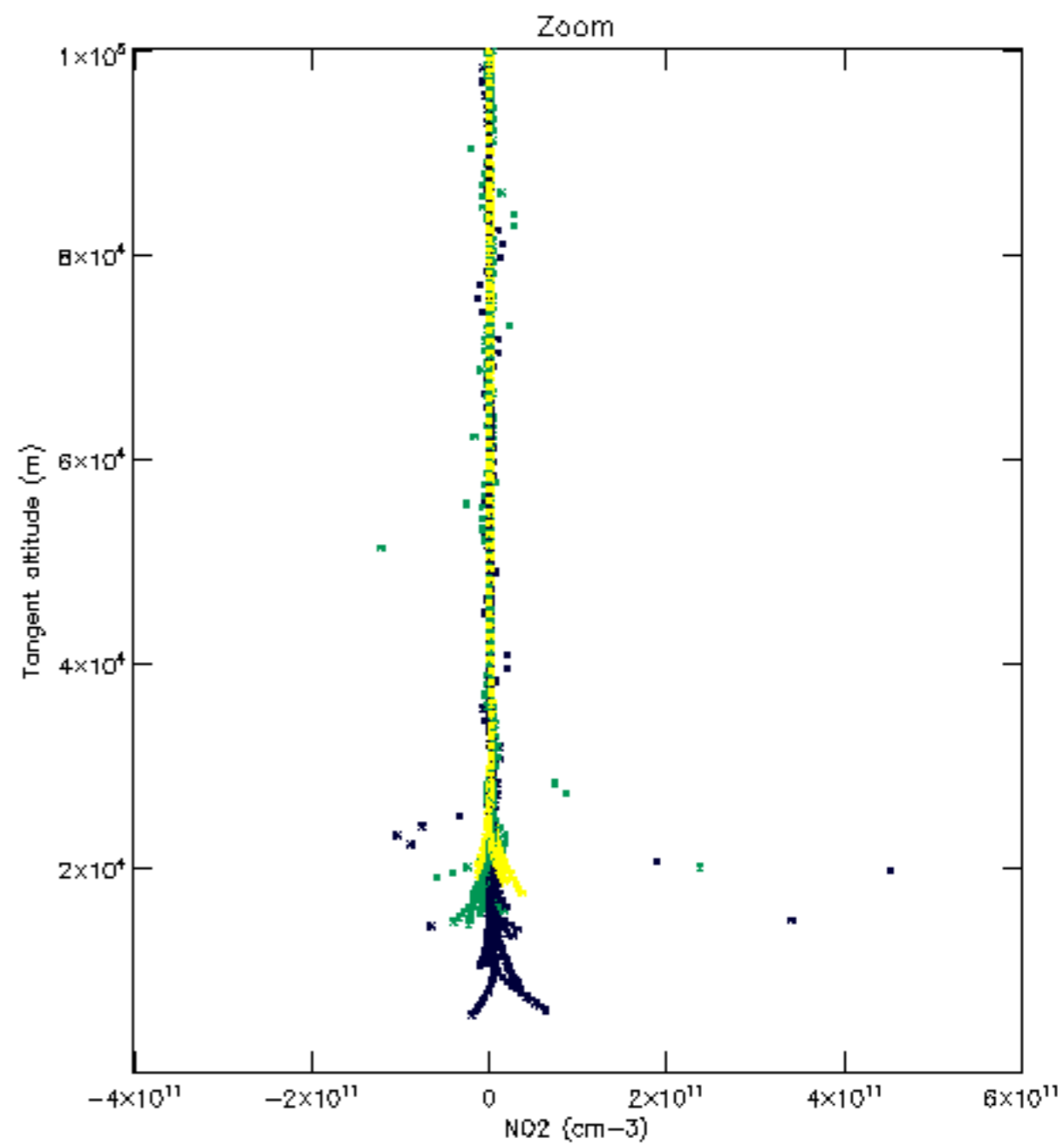
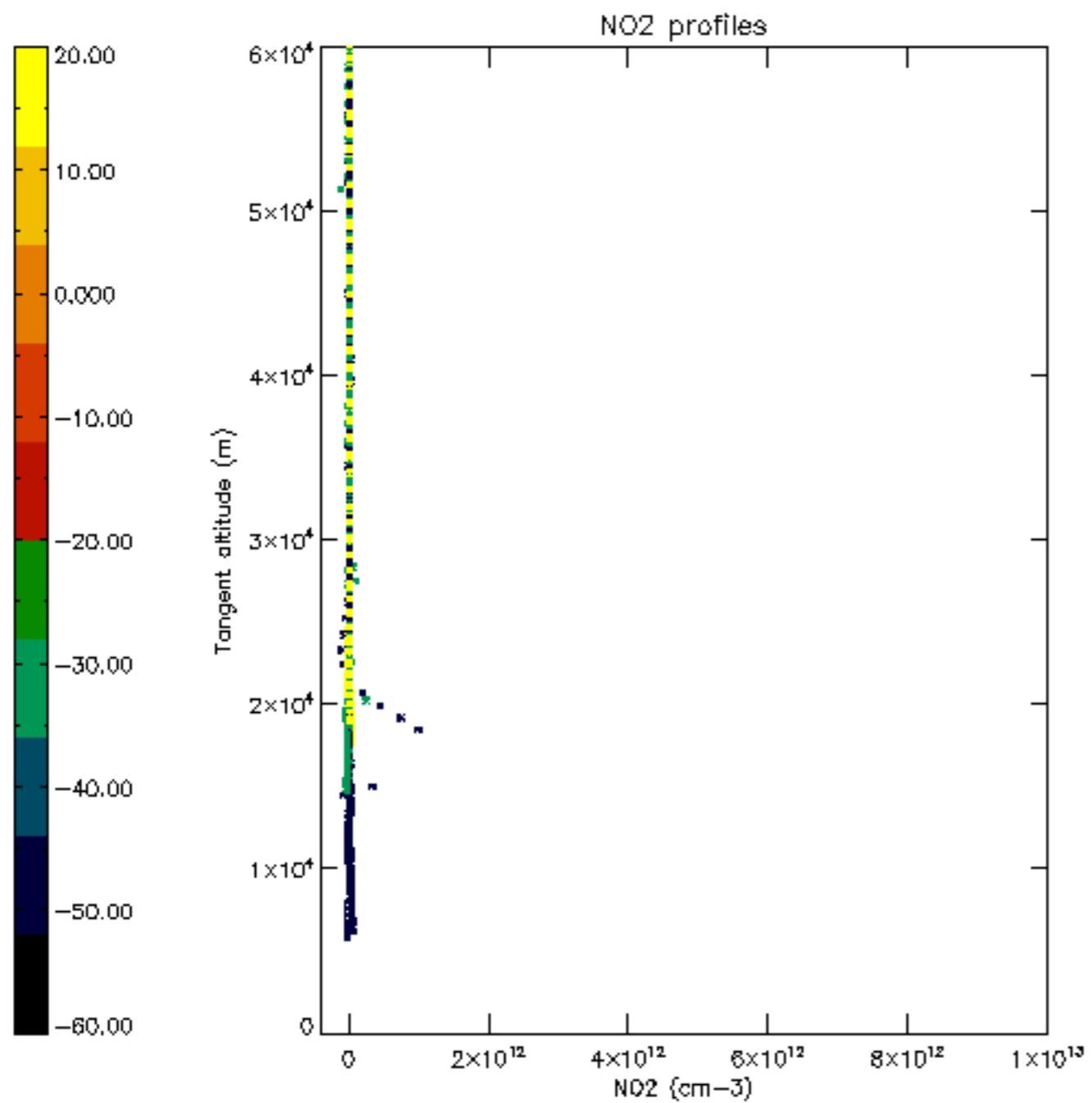


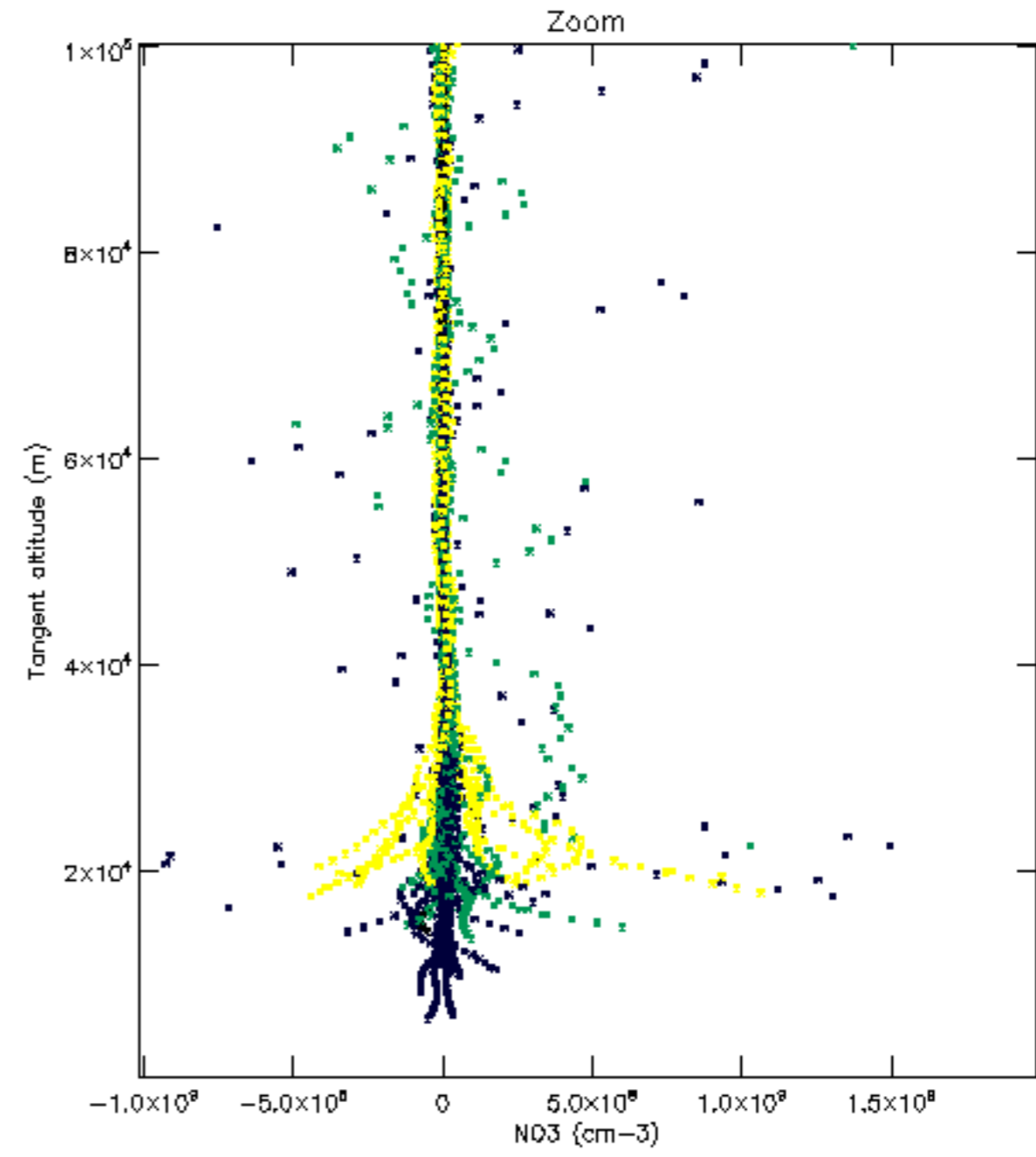
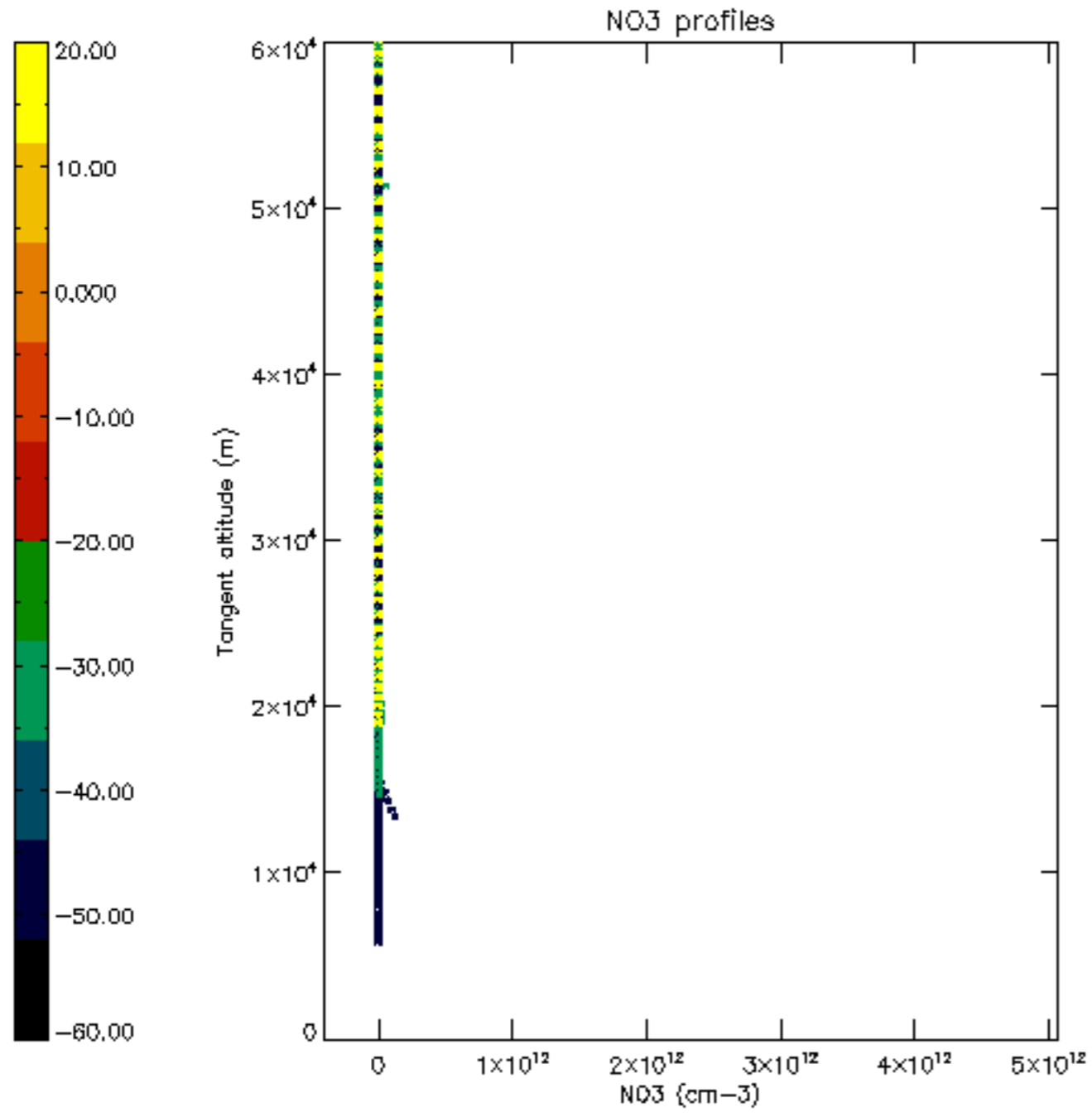


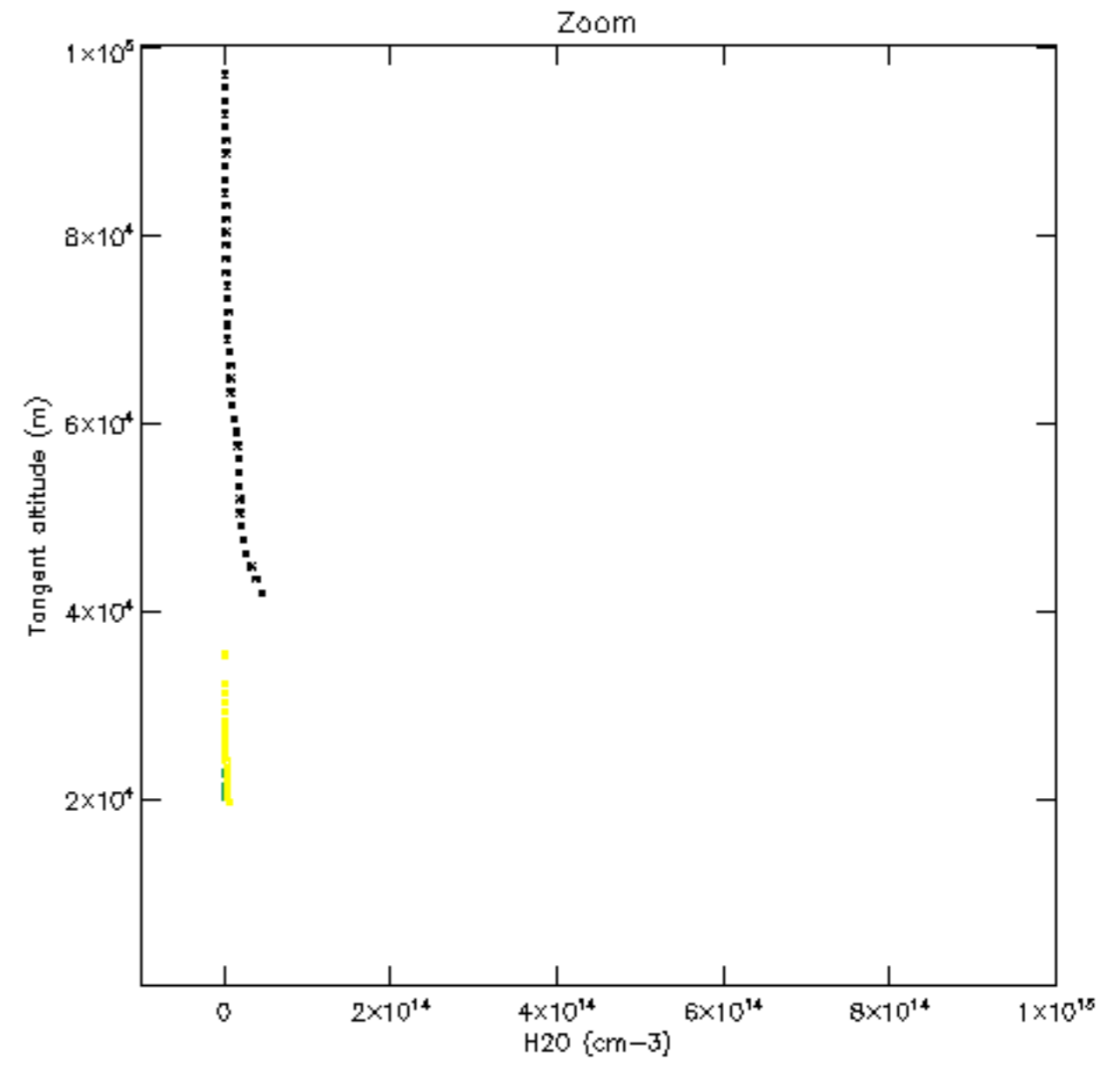
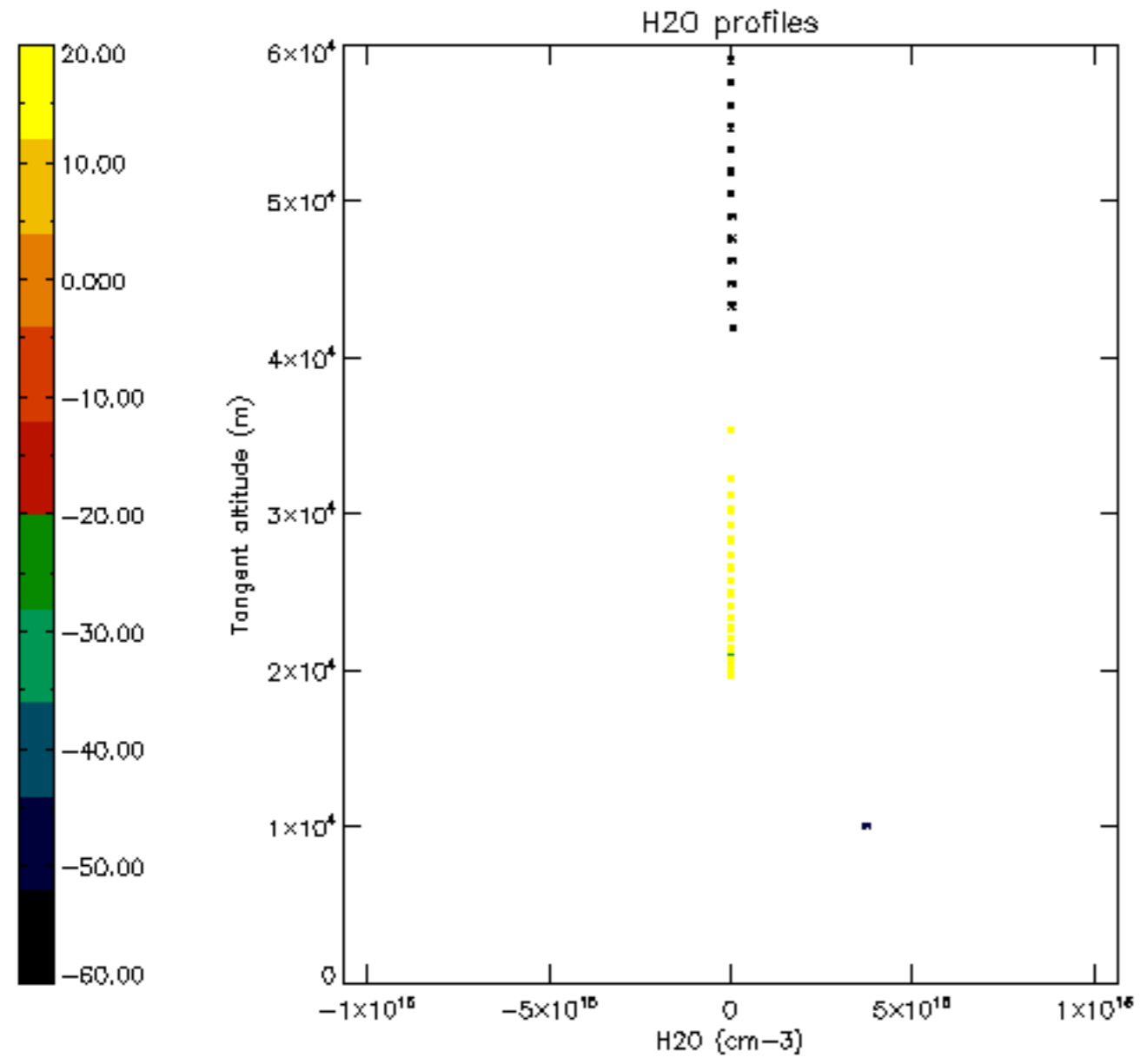


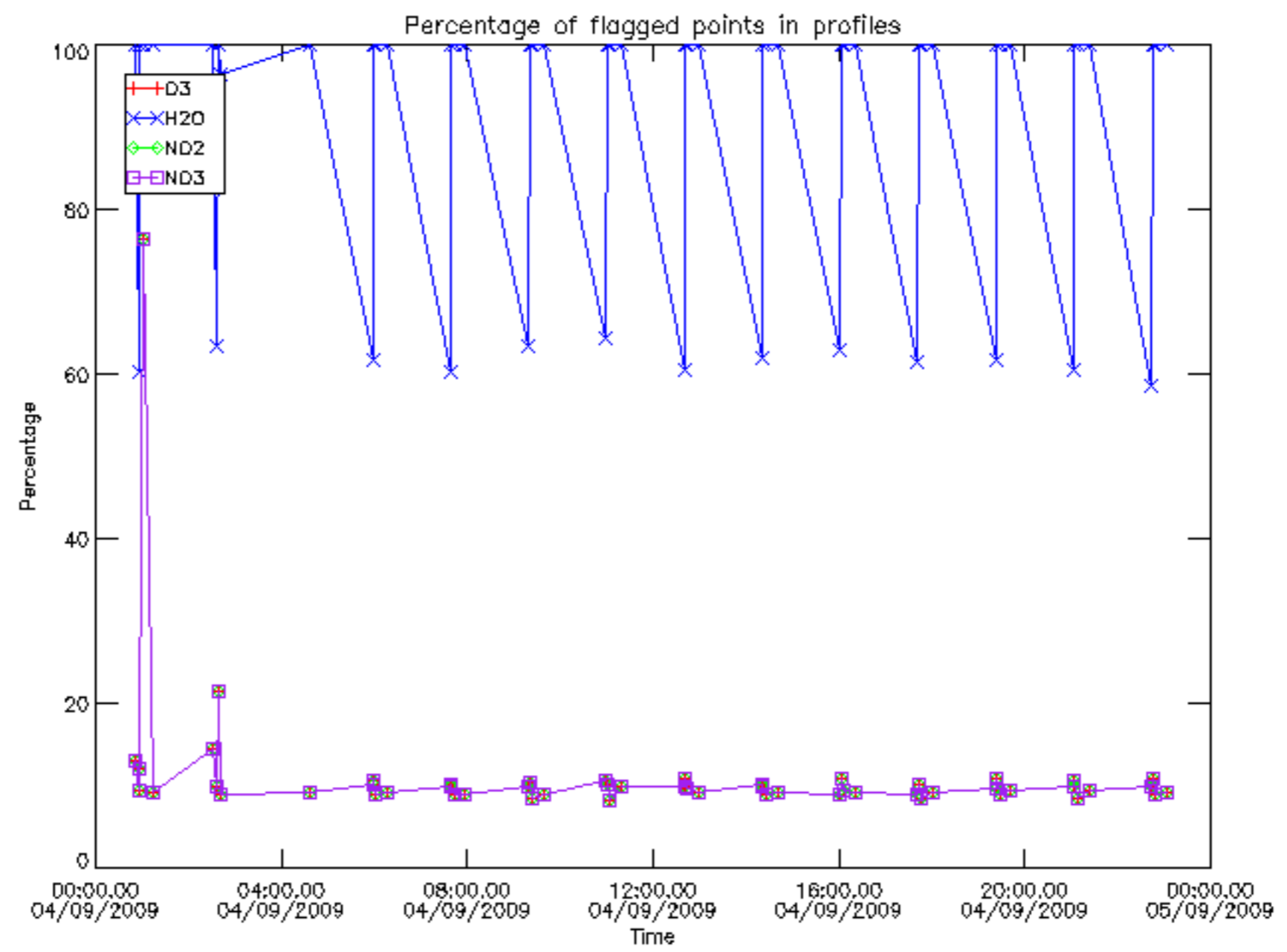




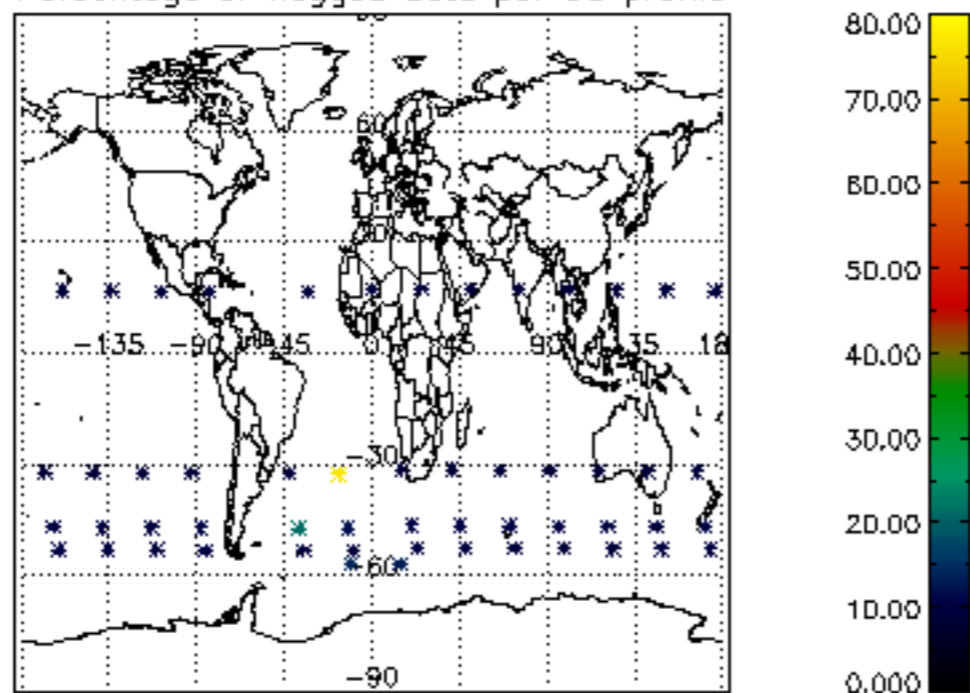




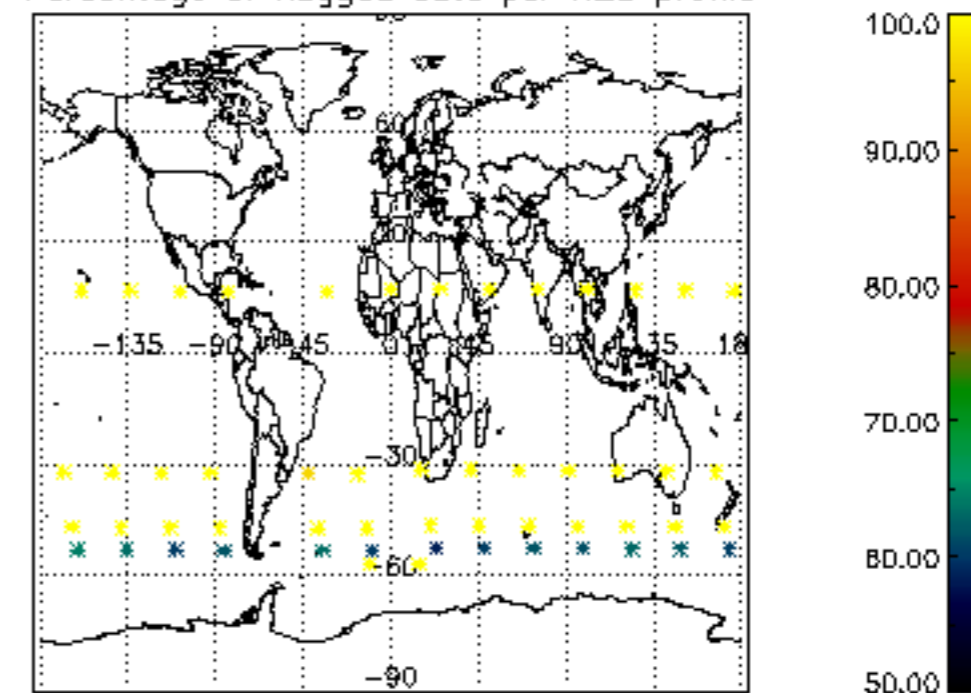




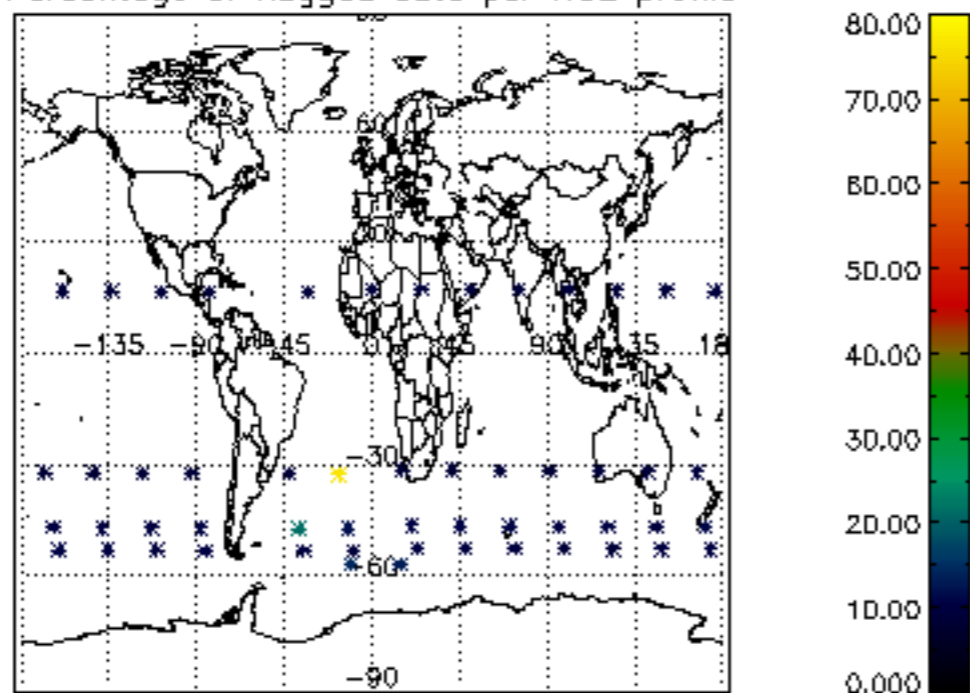
Percentage of flagged data per D3 profile



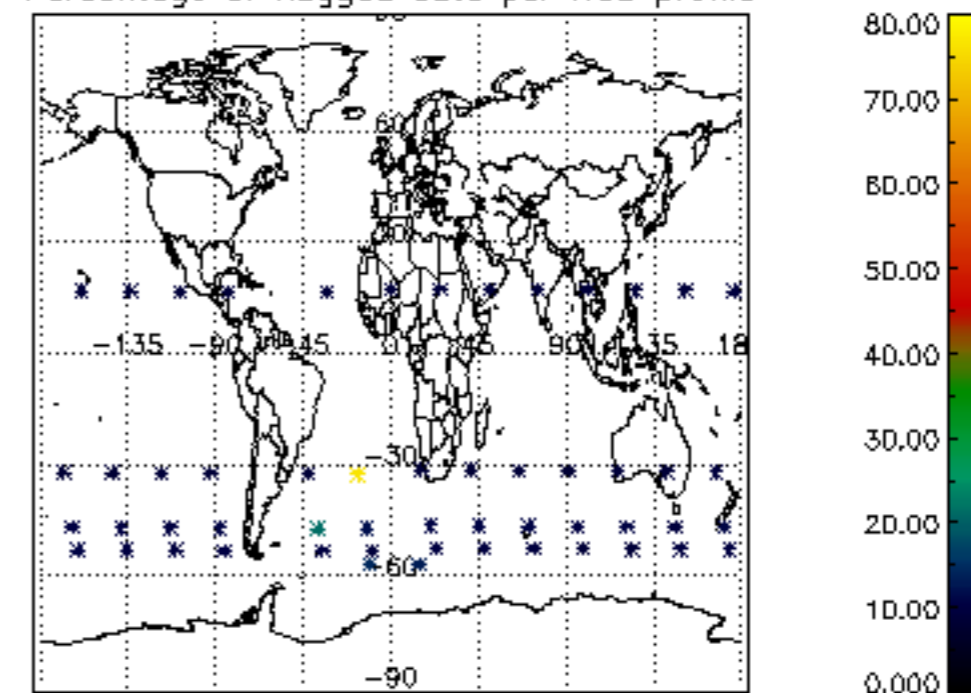
Percentage of flagged data per H2O profile

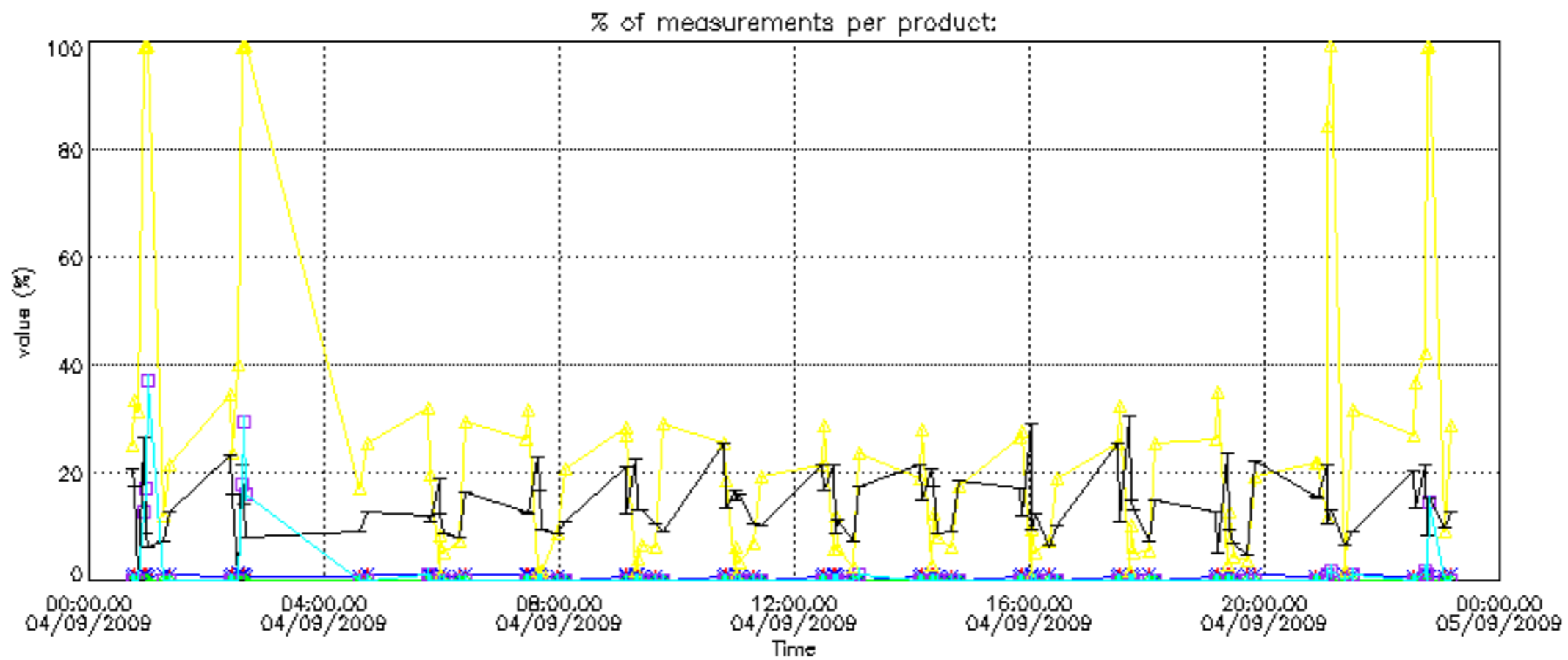


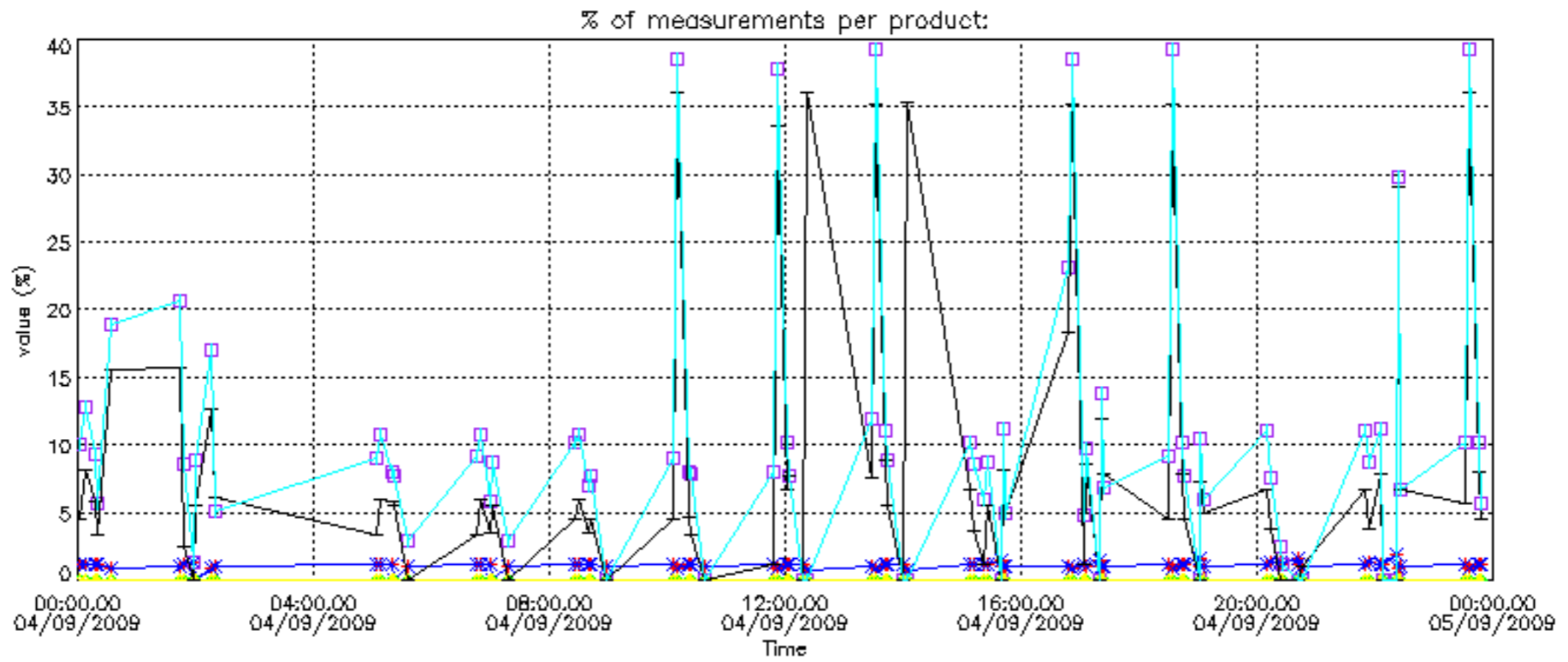
Percentage of flagged data per NO2 profile



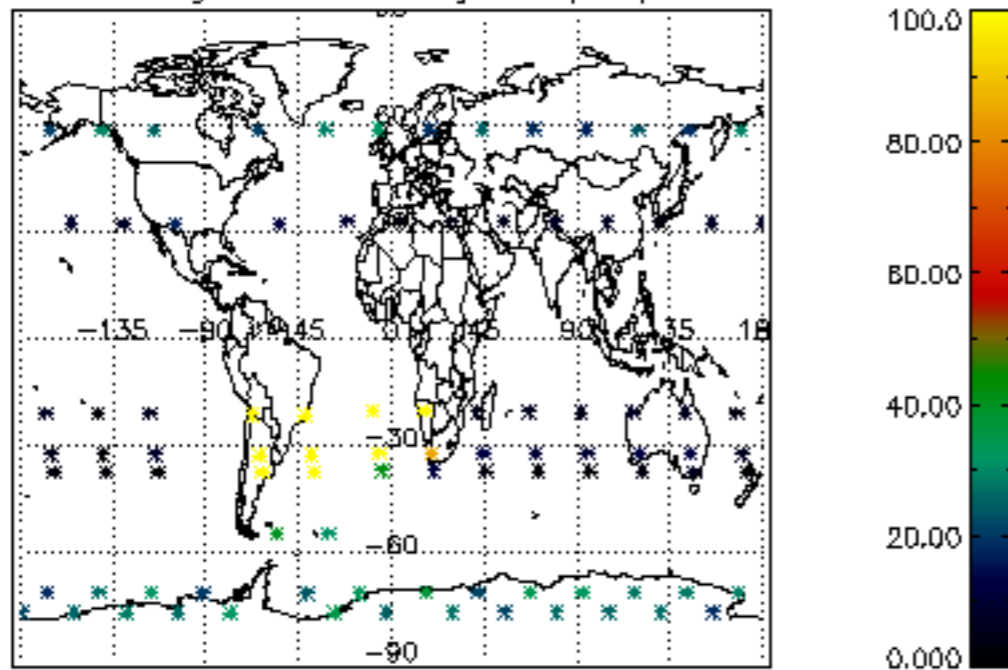
Percentage of flagged data per NO3 profile



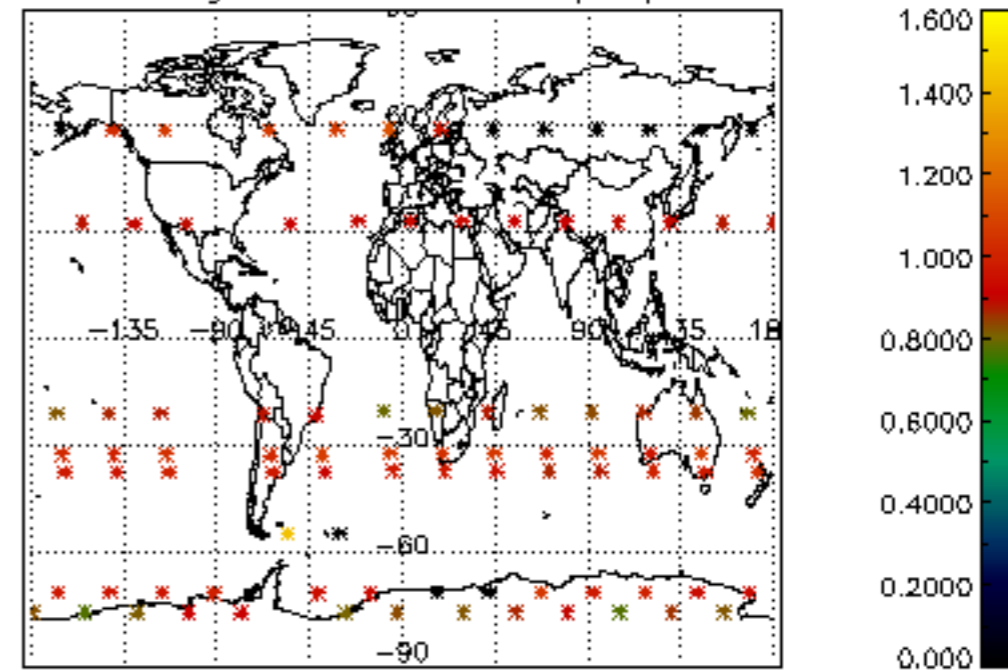




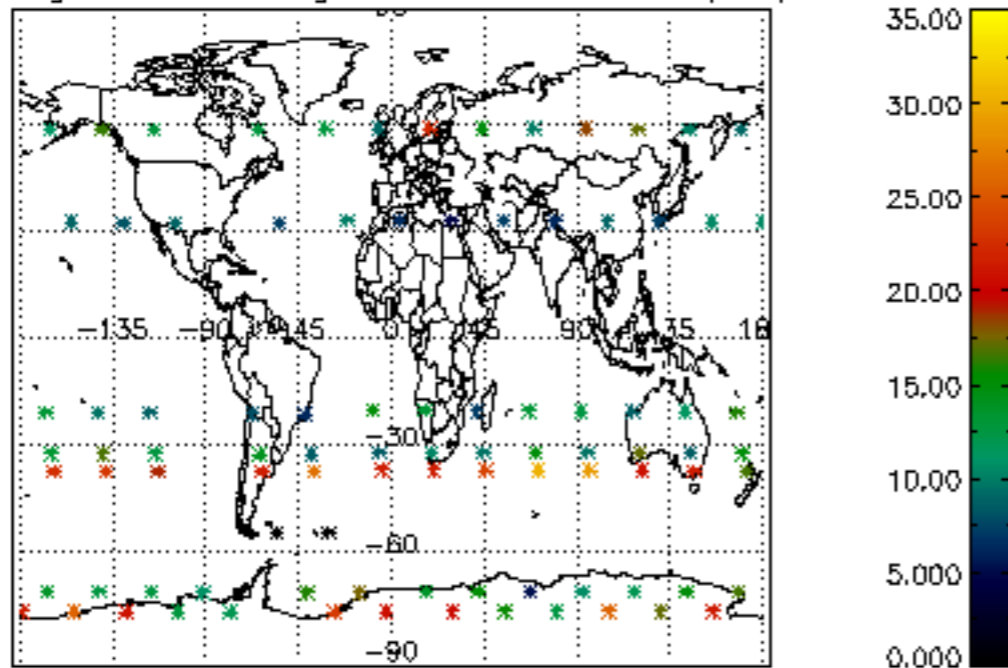
Percentage of cosmic ray hits per profile



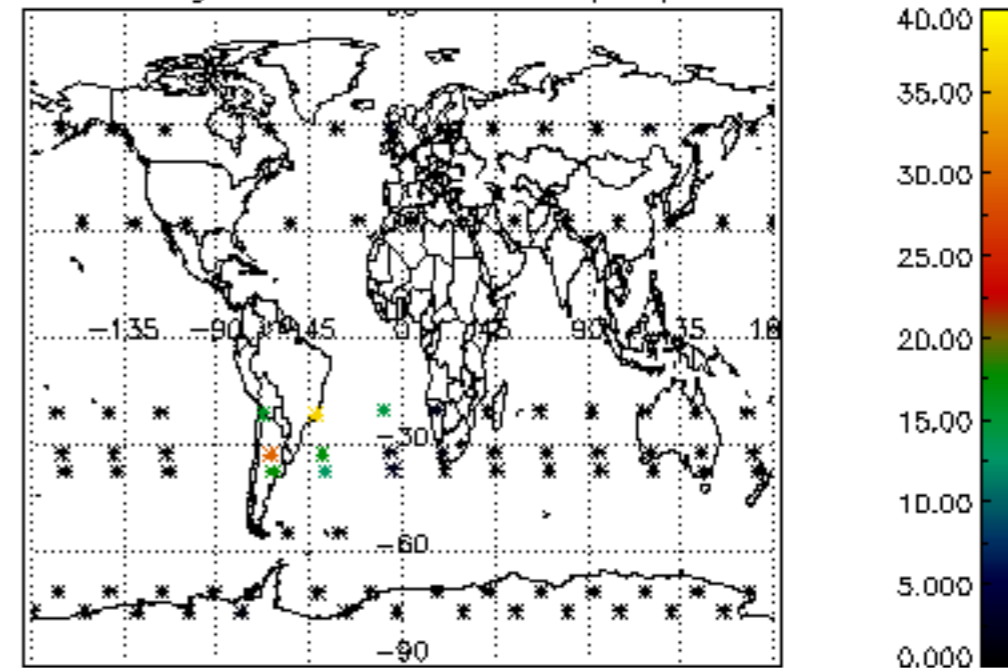
Percentage of datation errors per profile



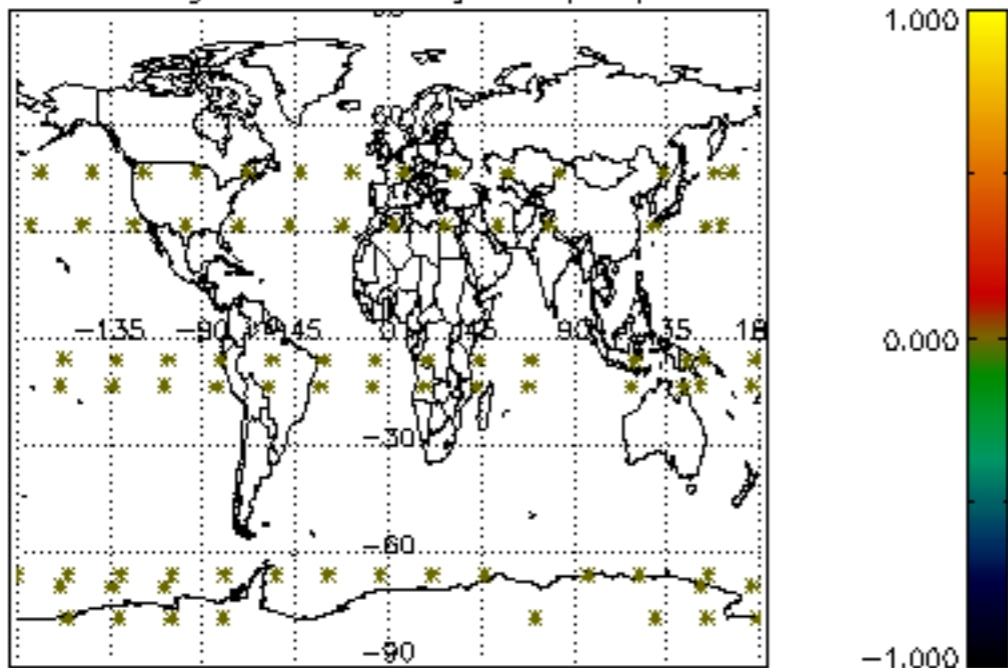
Percentage of star falling outside central band per profile



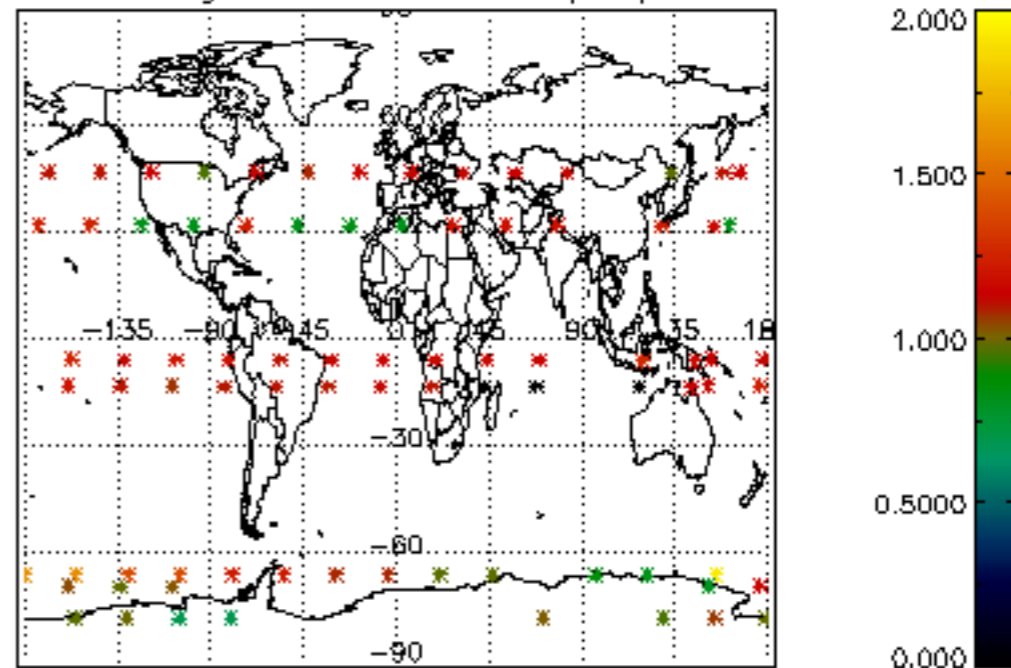
Percentage of saturation errors per profile



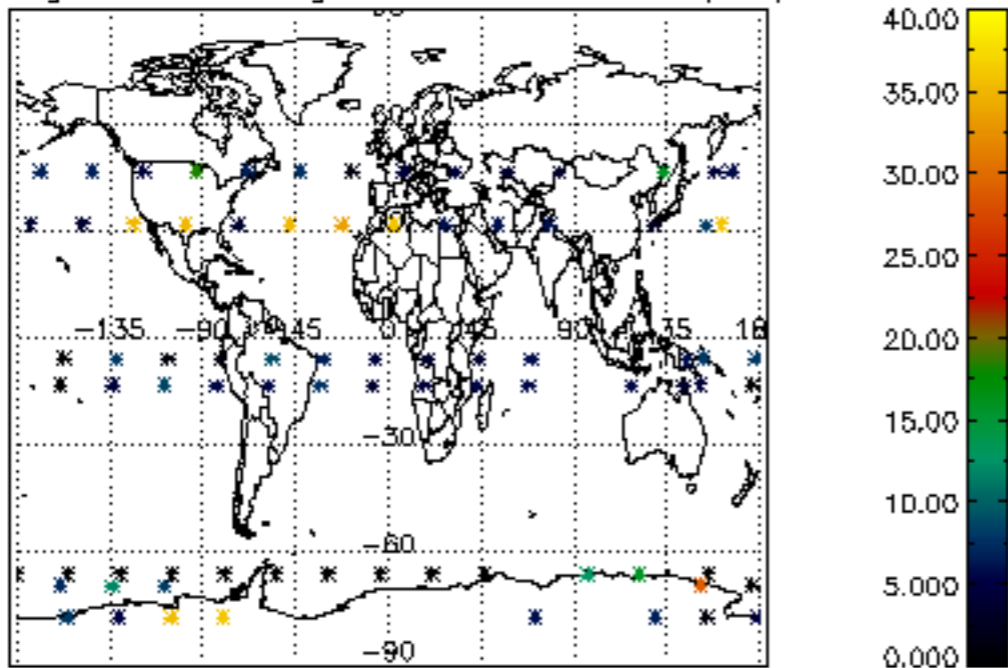
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

