

GOMOS Level 2 Daily Report

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

Item	Value
Time of report generation	17APR2013 20:21:13
Data source version	GOMOS/6.01
Start time of products	21-11-2002 (21NOV2002 00:00:00)
Stop time of products	22-11-2002 (22NOV2002 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	109
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__2PRFIN20021121_000152_000000982011_00231_03792_9757.N1	21-NOV-2002 00:01:52	Straylight	97.500	47	2Bet CMa	1.9760	28000.	195	3792	No
2	GOM_NL__2PRFIN20021121_011757_000000412011_00232_03793_9752.N1	21-NOV-2002 01:17:57	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	3793	No
3	GOM_NL__2PRFIN20021121_012700_000000572011_00232_03793_9753.N1	21-NOV-2002 01:27:00	Dark	56.500	70	Zet Pup	2.2460	39000.	113	3793	No
4	GOM_NL__2PRFIN20021121_012957_000000602011_00232_03793_9754.N1	21-NOV-2002 01:29:57	Dark	60.000	2	Alp Car	-0.73600	7000.0	120	3793	No
5	GOM_NL__2PRFIN20021121_013456_000000812011_00232_03793_9755.N1	21-NOV-2002 01:34:56	Dark	81.000	23	21Eps CMa	1.5020	26000.	162	3793	No
6	GOM_NL__2PRFIN20021121_013810_000000392011_00232_03793_9756.N1	21-NOV-2002 01:38:10	Straylight	39.000	157	The1Eri	2.9060	9300.0	78	3793	No
7	GOM_NL__2PRFIN20021121_014229_000000932011_00232_03793_9757.N1	21-NOV-2002 01:42:29	Straylight	92.500	47	2Bet CMa	1.9760	28000.	185	3793	No
8	GOM_NL__2PRFIN20021121_014518_000000492011_00232_03793_9758.N1	21-NOV-2002 01:45:18	Straylight	49.000	165	34Gam Eri	2.9500	3200.0	98	3793	No
9	GOM_NL__2PRFIN20021121_025833_000000382011_00233_03794_9752.N1	21-NOV-2002 02:58:33	Dark	38.000	12	Alp1Cru	0.77500	30000.	76	3794	No
10	GOM_NL__2PRFIN20021121_030736_000000582011_00233_03794_9753.N1	21-NOV-2002 03:07:36	Dark	57.500	70	Zet Pup	2.2460	39000.	115	3794	No
11	GOM_NL__2PRFIN20021121_031033_000000602011_00233_03794_9754.N1	21-NOV-2002 03:10:33	Dark	60.000	2	Alp Car	-0.73600	7000.0	120	3794	No
12	GOM_NL__2PRFIN20021121_031532_000000812011_00233_03794_9755.N1	21-NOV-2002 03:15:32	Dark	81.000	23	21Eps CMa	1.5020	26000.	162	3794	No
13	GOM_NL__2PRFIN20021121_031846_000000392011_00233_03794_9756.N1	21-NOV-2002 03:18:46	Straylight	39.000	157	The1Eri	2.9060	9300.0	78	3794	No
14	GOM_NL__2PRFIN20021121_032304_000000952011_00233_03794_9757.N1	21-NOV-2002 03:23:04	Straylight	94.500	47	2Bet CMa	1.9760	28000.	189	3794	No
15	GOM_NL__2PRFIN20021121_032554_000000552011_00233_03794_9758.N1	21-NOV-2002 03:25:54	Straylight	55.000	165	34Gam Eri	2.9500	3200.0	110	3794	No
16	GOM_NL__2PRFIN20021121_043909_000000502011_00234_03795_9752.N1	21-NOV-2002 04:39:09	Dark	50.000	12	Alp1Cru	0.77500	30000.	100	3795	No
17	GOM_NL__2PRFIN20021121_044127_000000392011_00234_03795_9753.N1	21-NOV-2002 04:41:27	Dark	39.000	124	The Car	2.7640	30000.	78	3795	No
18	GOM_NL__2PRFIN20021121_044539_000000442011_00234_03795_9754.N1	21-NOV-2002 04:45:39	Dark	43.500	41	Eps Car	1.8600	4100.0	87	3795	No
19	GOM_NL__2PRFIN20021121_044813_000000592011_00234_03795_9755.N1	21-NOV-2002 04:48:13	Dark	58.500	70	Zet Pup	2.2460	39000.	117	3795	No
20	GOM_NL__2PRFIN20021121_045109_000000532011_00234_03795_9756.N1	21-NOV-2002 04:51:09	Dark	53.000	2	Alp Car	-0.73600	7000.0	106	3795	No
21	GOM_NL__2PRFIN20021121_045610_000000822011_00234_03795_9757.N1	21-NOV-2002 04:56:10	Dark	82.000	23	21Eps CMa	1.5020	26000.	164	3795	No
22	GOM_NL__2PRFIN20021121_045923_000000392011_00234_03795_9758.N1	21-NOV-2002 04:59:23	Straylight	38.500	157	The1Eri	2.9060	9300.0	77	3795	No
23	GOM_NL__2PRFIN20021121_050417_000001352011_00234_03795_9759.N1	21-NOV-2002 05:04:17	Straylight	134.50	1	9Alp CMa	-1.4400	11000.	269	3795	No
24	GOM_NL__2PRFIN20021121_050837_000000762011_00234_03795_9760.N1	21-NOV-2002 05:08:37	Straylight	75.500	7	19Bet Ori	0.10000	14000.	151	3795	No
25	GOM_NL__2PRFIN20021121_061945_000000382011_00235_03796_9752.N1	21-NOV-2002 06:19:45	Dark	37.500	12	Alp1Cru	0.77500	30000.	75	3796	No
26	GOM_NL__2PRFIN20021121_062203_000000402011_00235_03796_9753.N1	21-NOV-2002 06:22:03	Dark	39.500	124	The Car	2.7640	30000.	79	3796	No
27	GOM_NL__2PRFIN20021121_062616_000000502011_00235_03796_9754.N1	21-NOV-2002 06:26:16	Dark	50.000	41	Eps Car	1.8600	4100.0	100	3796	No
28	GOM_NL__2PRFIN20021121_062850_000000572011_00235_03796_9755.N1	21-NOV-2002 06:28:50	Dark	57.000	70	Zet Pup	2.2460	39000.	114	3796	No
29	GOM_NL__2PRFIN20021121_063146_000000552011_00235_03796_9756.N1	21-NOV-2002 06:31:46	Dark	54.500	2	Alp Car	-0.73600	7000.0	109	3796	No
30	GOM_NL__2PRFIN20021121_063647_000000762011_00235_03796_9757.N1	21-NOV-2002 06:36:47	Dark	75.500	23	21Eps CMa	1.5020	26000.	151	3796	No
31	GOM_NL__2PRFIN20021121_063959_000000412011_00235_03796_9758.N1	21-NOV-2002 06:39:59	Straylight	40.500	157	The1Eri	2.9060	9300.0	81	3796	No
32	GOM_NL__2PRFIN20021121_064453_000001412011_00235_03796_9759.N1	21-NOV-2002 06:44:53	Straylight	141.00	1	9Alp CMa	-1.4400	11000.	282	3796	No
33	GOM_NL__2PRFIN20021121_064913_000000762011_00235_03796_9760.N1	21-NOV-2002 06:49:13	Straylight	76.000	7	19Bet Ori	0.10000	14000.	152	3796	No
34	GOM_NL__2PRFIN20021121_065320_000000892011_00235_03796_9761.N1	21-NOV-2002 06:53:20	Bright	88.500	30	46Eps Ori	1.6940	30000.	177	3796	No
35	GOM_NL__2PRFIN20021121_080021_000000432011_00236_03797_9752.N1	21-NOV-2002 08:00:21	Dark	42.500	12	Alp1Cru	0.77500	30000.	85	3797	No
36	GOM_NL__2PRFIN20021121_080240_000000382011_00236_03797_9753.N1	21-NOV-2002 08:02:40	Dark	38.000	124	The Car	2.7640	30000.	76	3797	No
37	GOM_NL__2PRFIN20021121_080652_000000482011_00236_03797_9754.N1	21-NOV-2002 08:06:52	Dark	48.000	41	Eps Car	1.8600	4100.0	96	3797	No
38	GOM_NL__2PRFIN20021121_080928_000000592011_00236_03797_9755.N1	21-NOV-2002 08:09:28	Dark	58.500	70	Zet Pup	2.2460	39000.	117	3797	No
39	GOM_NL__2PRFIN20021121_081222_000000602011_00236_03797_9756.N1	21-NOV-2002 08:12:22	Dark	60.000	2	Alp Car	-0.73600	7000.0	120	3797	No
40	GOM_NL__2PRFIN20021121_081723_000000762011_00236_03797_9757.N1	21-NOV-2002 08:17:23	Dark	76.000	23	21Eps CMa	1.5020	26000.	152	3797	No
41	GOM_NL__2PRFIN20021121_082035_000000422011_00236_03797_9758.N1	21-NOV-2002 08:20:35	Straylight	41.500	157	The1Eri	2.9060	9300.0	83	3797	No
42	GOM_NL__2PRFIN20021121_094058_000000462011_00237_03798_9752.N1	21-NOV-2002 09:40:58	Dark	45.500	12	Alp1Cru	0.77500	30000.	91	3798	No

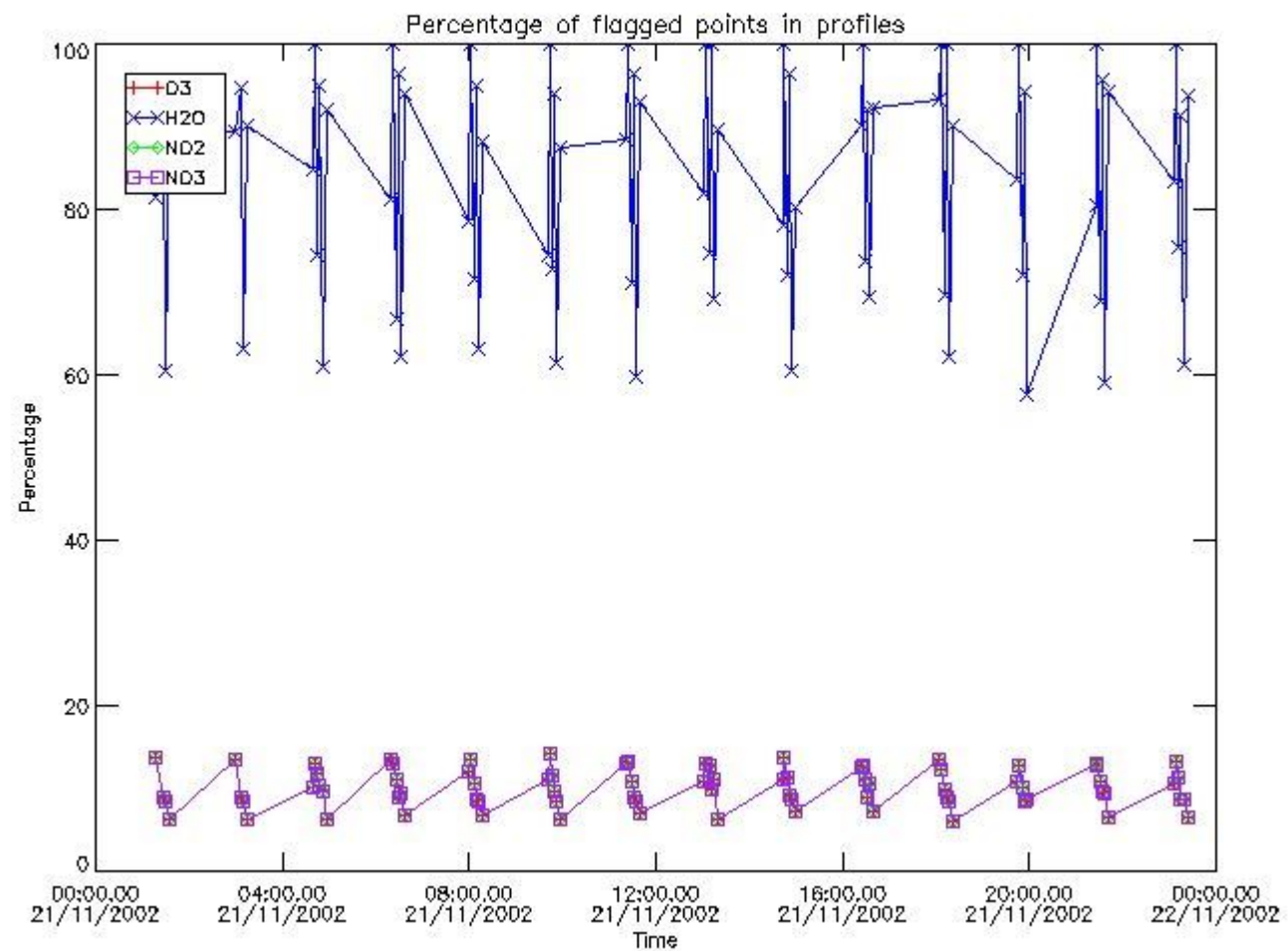
43	GOM_NL__2PRFIN20021121_094316_000000402011_00237_03798_9753.N1	21-NOV-2002 09:43:16	Dark	39.500	124	The Car	2.7640	30000.	79	3798	No
44	GOM_NL__2PRFIN20021121_094728_000000452011_00237_03798_9754.N1	21-NOV-2002 09:47:28	Dark	44.500	41	Eps Car	1.8600	4100.0	89	3798	No
45	GOM_NL__2PRFIN20021121_095006_000000592011_00237_03798_9755.N1	21-NOV-2002 09:50:06	Dark	58.500	70	Zet Pup	2.2460	39000.	117	3798	No
46	GOM_NL__2PRFIN20021121_095259_000000602011_00237_03798_9756.N1	21-NOV-2002 09:52:59	Dark	60.000	2	Alp Car	-0.73600	7000.0	120	3798	No
47	GOM_NL__2PRFIN20021121_095800_000000812011_00237_03798_9757.N1	21-NOV-2002 09:58:00	Dark	81.000	23	21Eps CMa	1.5020	26000.	162	3798	No
48	GOM_NL__2PRFIN20021121_100110_000000402011_00237_03798_9758.N1	21-NOV-2002 10:01:10	Straylight	39.500	157	The1Eri	2.9060	9300.0	79	3798	No
49	GOM_NL__2PRFIN20021121_100605_000001722011_00237_03798_9759.N1	21-NOV-2002 10:06:05	Straylight	172.00	1	9Alp CMa	-1.4400	11000.	344	3798	No
50	GOM_NL__2PRFIN20021121_101025_000000832011_00237_03798_9760.N1	21-NOV-2002 10:10:25	Straylight	82.500	7	19Bet Ori	0.10000	14000.	165	3798	No
51	GOM_NL__2PRFIN20021121_112134_000000392011_00238_03799_9752.N1	21-NOV-2002 11:21:34	Dark	39.000	12	Alp1Cru	0.77500	30000.	78	3799	No
52	GOM_NL__2PRFIN20021121_112353_000000392011_00238_03799_9753.N1	21-NOV-2002 11:23:53	Dark	38.500	124	The Car	2.7640	30000.	77	3799	No
53	GOM_NL__2PRFIN20021121_112806_000000472011_00238_03799_9754.N1	21-NOV-2002 11:28:06	Dark	47.000	41	Eps Car	1.8600	4100.0	94	3799	No
54	GOM_NL__2PRFIN20021121_113043_000000572011_00238_03799_9755.N1	21-NOV-2002 11:30:43	Dark	57.000	70	Zet Pup	2.2460	39000.	114	3799	No
55	GOM_NL__2PRFIN20021121_113337_000000602011_00238_03799_9756.N1	21-NOV-2002 11:33:37	Dark	60.000	2	Alp Car	-0.73600	7000.0	120	3799	No
56	GOM_NL__2PRFIN20021121_113838_000000732011_00238_03799_9757.N1	21-NOV-2002 11:38:38	Dark	73.000	23	21Eps CMa	1.5020	26000.	146	3799	No
57	GOM_NL__2PRFIN20021121_114147_000000392011_00238_03799_9758.N1	21-NOV-2002 11:41:47	Straylight	39.000	157	The1Eri	2.9060	9300.0	78	3799	No
58	GOM_NL__2PRFIN20021121_114642_000001402011_00238_03799_9759.N1	21-NOV-2002 11:46:42	Straylight	140.00	1	9Alp CMa	-1.4400	11000.	280	3799	No
59	GOM_NL__2PRFIN20021121_115101_000000842011_00238_03799_9760.N1	21-NOV-2002 11:51:01	Straylight	83.500	7	19Bet Ori	0.10000	14000.	167	3799	No
60	GOM_NL__2PRFIN20021121_130210_000000482011_00239_03800_9884.N1	21-NOV-2002 13:02:10	Dark	47.500	12	Alp1Cru	0.77500	30000.	95	3800	No
61	GOM_NL__2PRFIN20021121_130429_000000402011_00239_03800_9885.N1	21-NOV-2002 13:04:29	Dark	39.500	124	The Car	2.7640	30000.	79	3800	No
62	GOM_NL__2PRFIN20021121_130843_000000442011_00239_03800_9886.N1	21-NOV-2002 13:08:43	Dark	44.000	41	Eps Car	1.8600	4100.0	88	3800	No
63	GOM_NL__2PRFIN20021121_131120_000000572011_00239_03800_9887.N1	21-NOV-2002 13:11:20	Dark	56.500	70	Zet Pup	2.2460	39000.	113	3800	No
64	GOM_NL__2PRFIN20021121_131413_000000462011_00239_03800_9888.N1	21-NOV-2002 13:14:13	Dark	46.000	2	Alp Car	-0.73600	7000.0	92	3800	No
65	GOM_NL__2PRFIN20021121_131915_000000822011_00239_03800_9889.N1	21-NOV-2002 13:19:15	Dark	82.000	23	21Eps CMa	1.5020	26000.	164	3800	No
66	GOM_NL__2PRFIN20021121_132223_000000422011_00239_03800_9890.N1	21-NOV-2002 13:22:23	Straylight	41.500	157	The1Eri	2.9060	9300.0	83	3800	No
67	GOM_NL__2PRFIN20021121_132718_000001682011_00239_03800_9891.N1	21-NOV-2002 13:27:18	Straylight	168.00	1	9Alp CMa	-1.4400	11000.	336	3800	No
68	GOM_NL__2PRFIN20021121_133137_000000842011_00239_03800_9892.N1	21-NOV-2002 13:31:37	Straylight	84.000	7	19Bet Ori	0.10000	14000.	168	3800	No
69	GOM_NL__2PRFIN20021121_144246_000000462011_00240_03801_9884.N1	21-NOV-2002 14:42:46	Dark	46.000	12	Alp1Cru	0.77500	30000.	92	3801	No
70	GOM_NL__2PRFIN20021121_144506_000000372011_00240_03801_9885.N1	21-NOV-2002 14:45:06	Dark	37.000	124	The Car	2.7640	30000.	74	3801	No
71	GOM_NL__2PRFIN20021121_144920_000000452011_00240_03801_9886.N1	21-NOV-2002 14:49:20	Dark	45.000	41	Eps Car	1.8600	4100.0	90	3801	No
72	GOM_NL__2PRFIN20021121_145158_000000562011_00240_03801_9887.N1	21-NOV-2002 14:51:58	Dark	56.000	70	Zet Pup	2.2460	39000.	112	3801	No
73	GOM_NL__2PRFIN20021121_145450_000000592011_00240_03801_9888.N1	21-NOV-2002 14:54:50	Dark	58.500	2	Alp Car	-0.73600	7000.0	117	3801	No
74	GOM_NL__2PRFIN20021121_145952_000000722011_00240_03801_9889.N1	21-NOV-2002 14:59:52	Dark	71.500	23	21Eps CMa	1.5020	26000.	143	3801	No
75	GOM_NL__2PRFIN20021121_150300_000000402011_00240_03801_9890.N1	21-NOV-2002 15:03:00	Straylight	40.000	157	The1Eri	2.9060	9300.0	80	3801	No
76	GOM_NL__2PRFIN20021121_162322_000000412011_00241_03802_9904.N1	21-NOV-2002 16:23:22	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	3802	No
77	GOM_NL__2PRFIN20021121_162541_000000402011_00241_03802_9905.N1	21-NOV-2002 16:25:41	Dark	40.000	124	The Car	2.7640	30000.	80	3802	No
78	GOM_NL__2PRFIN20021121_162956_000000462011_00241_03802_9906.N1	21-NOV-2002 16:29:56	Dark	46.000	41	Eps Car	1.8600	4100.0	92	3802	No
79	GOM_NL__2PRFIN20021121_163234_000000582011_00241_03802_9907.N1	21-NOV-2002 16:32:34	Dark	57.500	70	Zet Pup	2.2460	39000.	115	3802	No
80	GOM_NL__2PRFIN20021121_163525_000000482011_00241_03802_9908.N1	21-NOV-2002 16:35:25	Dark	48.000	2	Alp Car	-0.73600	7000.0	96	3802	No
81	GOM_NL__2PRFIN20021121_164027_000000842011_00241_03802_9909.N1	21-NOV-2002 16:40:27	Dark	83.500	23	21Eps CMa	1.5020	26000.	167	3802	No
82	GOM_NL__2PRFIN20021121_164335_000000412011_00241_03802_9910.N1	21-NOV-2002 16:43:35	Straylight	40.500	157	The1Eri	2.9060	9300.0	81	3802	No
83	GOM_NL__2PRFIN20021121_180358_000000382011_00242_03803_9904.N1	21-NOV-2002 18:03:58	Dark	38.000	12	Alp1Cru	0.77500	30000.	76	3803	No
84	GOM_NL__2PRFIN20021121_180617_000000422011_00242_03803_9905.N1	21-NOV-2002 18:06:17	Dark	41.500	124	The Car	2.7640	30000.	83	3803	No
85	GOM_NL__2PRFIN20021121_181029_000000522011_00242_03803_9906.N1	21-NOV-2002 18:10:29	Dark	51.500	41	Eps Car	1.8600	4100.0	103	3803	No
86	GOM_NL__2PRFIN20021121_181310_000000572011_00242_03803_9907.N1	21-NOV-2002 18:13:10	Dark	57.000	70	Zet Pup	2.2460	39000.	114	3803	No
87	GOM_NL__2PRFIN20021121_181601_000000602011_00242_03803_9908.N1	21-NOV-2002 18:16:01	Dark	60.000	2	Alp Car	-0.73600	7000.0	120	3803	No
88	GOM_NL__2PRFIN20021121_182105_000000862011_00242_03803_9909.N1	21-NOV-2002 18:21:05	Dark	86.000	23	21Eps CMa	1.5020	26000.	172	3803	No
89	GOM_NL__2PRFIN20021121_182412_000000432011_00242_03803_9910.N1	21-NOV-2002 18:24:12	Straylight	42.500	157	The1Eri	2.9060	9300.0	85	3803	No
90	GOM_NL__2PRFIN20021121_194435_000000472011_00243_03804_9904.N1	21-NOV-2002 19:44:35	Dark	46.500	12	Alp1Cru	0.77500	30000.	93	3804	No
91	GOM_NL__2PRFIN20021121_194654_000000402011_00243_03804_9905.N1	21-NOV-2002 19:46:54	Dark	40.000	124	The Car	2.7640	30000.	80	3804	No
92	GOM_NL__2PRFIN20021121_195106_000000512011_00243_03804_9906.N1	21-NOV-2002 19:51:06	Dark	50.500	41	Eps Car	1.8600	4100.0	101	3804	No
93	GOM_NL__2PRFIN20021121_195346_000000602011_00243_03804_9907.N1	21-NOV-2002 19:53:46	Dark	60.000	70	Zet Pup	2.2460	39000.	120	3804	No
94	GOM_NL__2PRFIN20021121_195638_000000592011_00243_03804_9908.N1	21-NOV-2002 19:56:38	Dark	59.000	2	Alp Car	-0.73600	7000.0	118	3804	No
95	GOM_NL__2PRFIN20021121_212511_000000392011_00244_03805_9904.N1	21-NOV-2002 21:25:11	Dark	39.000	12	Alp1Cru	0.77500	30000.	78	3805	No
96	GOM_NL__2PRFIN20021121_212730_000000402011_00244_03805_9905.N1	21-NOV-2002 21:27:30	Dark	40.000	124	The Car	2.7640	30000.	80	3805	No
97	GOM_NL__2PRFIN20021121_213145_000000472011_00244_03805_9906.N1	21-NOV-2002 21:31:45	Dark	47.000	41	Eps Car	1.8600	4100.0	94	3805	No
98	GOM_NL__2PRFIN20021121_213423_000000592011_00244_03805_9907.N1	21-NOV-2002 21:34:23	Dark	58.500	70	Zet Pup	2.2460	39000.	117	3805	No
99	GOM_NL__2PRFIN20021121_213715_000000542011_00244_03805_9908.N1	21-NOV-2002 21:37:15	Dark	54.000	2	Alp Car	-0.73600	7000.0	108	3805	No
100	GOM_NL__2PRFIN20021121_214218_000000792011_00244_03805_9909.N1	21-NOV-2002 21:42:18	Dark	79.000	23	21Eps CMa	1.5020	26000.	158	3805	No
101	GOM_NL__2PRFIN20021121_214524_000000422011_00244_03805_9910.N1	21-NOV-2002 21:45:24	Straylight	41.500	157	The1Eri	2.9060	9300.0	83	3805	No

102	GOM_NL__2PRFIN20021121_230547_000000492011_00245_03806_9904.N1	21-NOV-2002 23:05:47	Dark	48.500	12	Alp1Cru	0.77500	30000.	97	3806	No
103	GOM_NL__2PRFIN20021121_230807_000000392011_00245_03806_9905.N1	21-NOV-2002 23:08:07	Dark	38.500	124	The Car	2.7640	30000.	77	3806	No
104	GOM_NL__2PRFIN20021121_231221_000000452011_00245_03806_9906.N1	21-NOV-2002 23:12:21	Dark	45.000	41	Eps Car	1.8600	4100.0	90	3806	No
105	GOM_NL__2PRFIN20021121_231501_000000592011_00245_03806_9907.N1	21-NOV-2002 23:15:01	Dark	58.500	70	Zet Pup	2.2460	39000.	117	3806	No
106	GOM_NL__2PRFIN20021121_231751_000000592011_00245_03806_9908.N1	21-NOV-2002 23:17:51	Dark	58.500	2	Alp Car	-0.73600	7000.0	117	3806	No
107	GOM_NL__2PRFIN20021121_232255_000000792011_00245_03806_9909.N1	21-NOV-2002 23:22:55	Dark	79.000	23	21Eps CMa	1.5020	26000.	158	3806	No
108	GOM_NL__2PRFIN20021121_232600_000000412011_00245_03806_9910.N1	21-NOV-2002 23:26:00	Straylight	41.000	157	The1Eri	2.9060	9300.0	82	3806	No
109	GOM_NL__2PRFIN20021121_233018_000000922011_00245_03806_9911.N1	21-NOV-2002 23:30:18	Straylight	91.500	47	2Bet CMa	1.9760	28000.	183	3806	No

3. Quality information per product

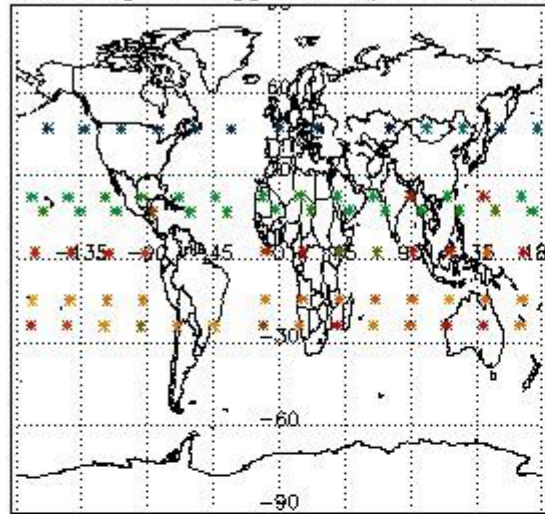
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

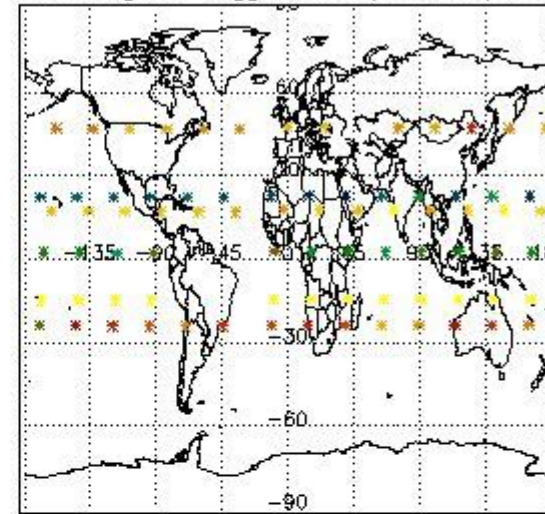


3.2 Plot quality information per product (world map)

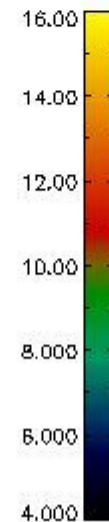
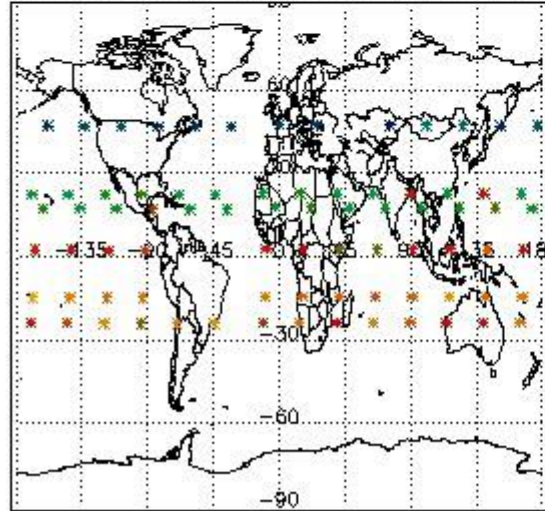
Percentage of flagged data per O3 profile



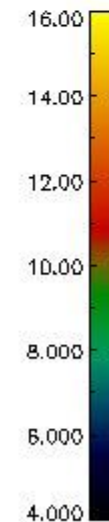
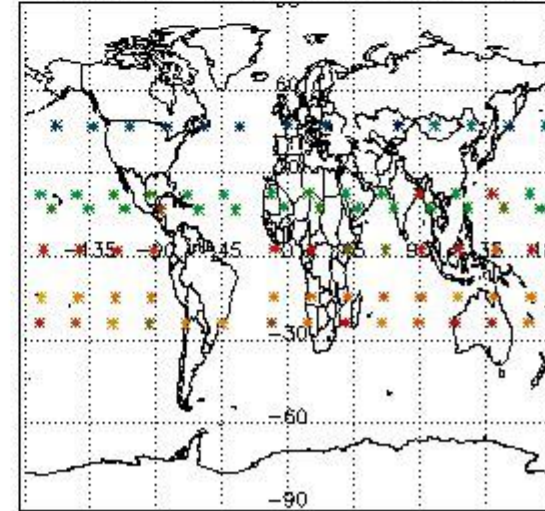
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

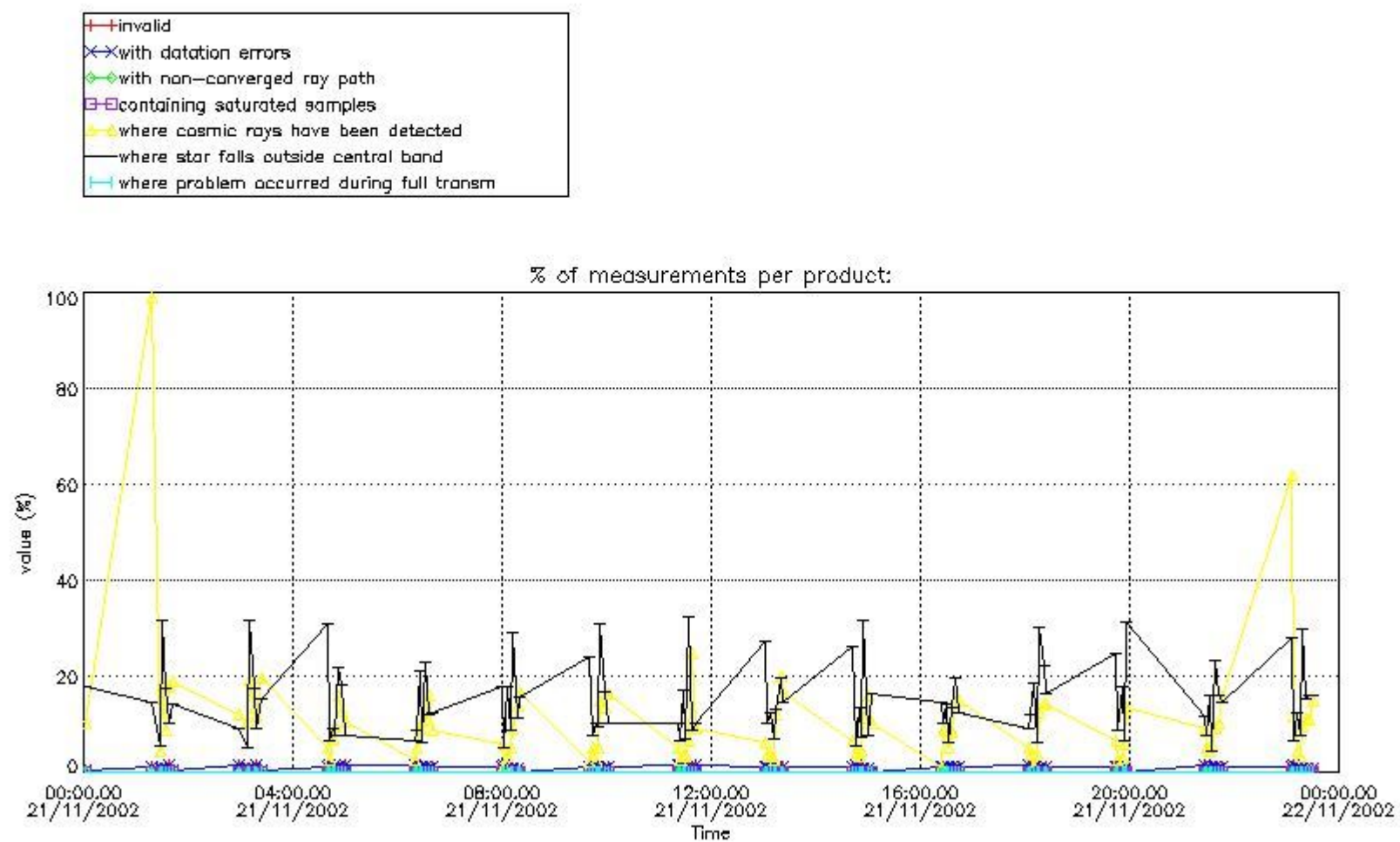


4. Level 1 quality information per product

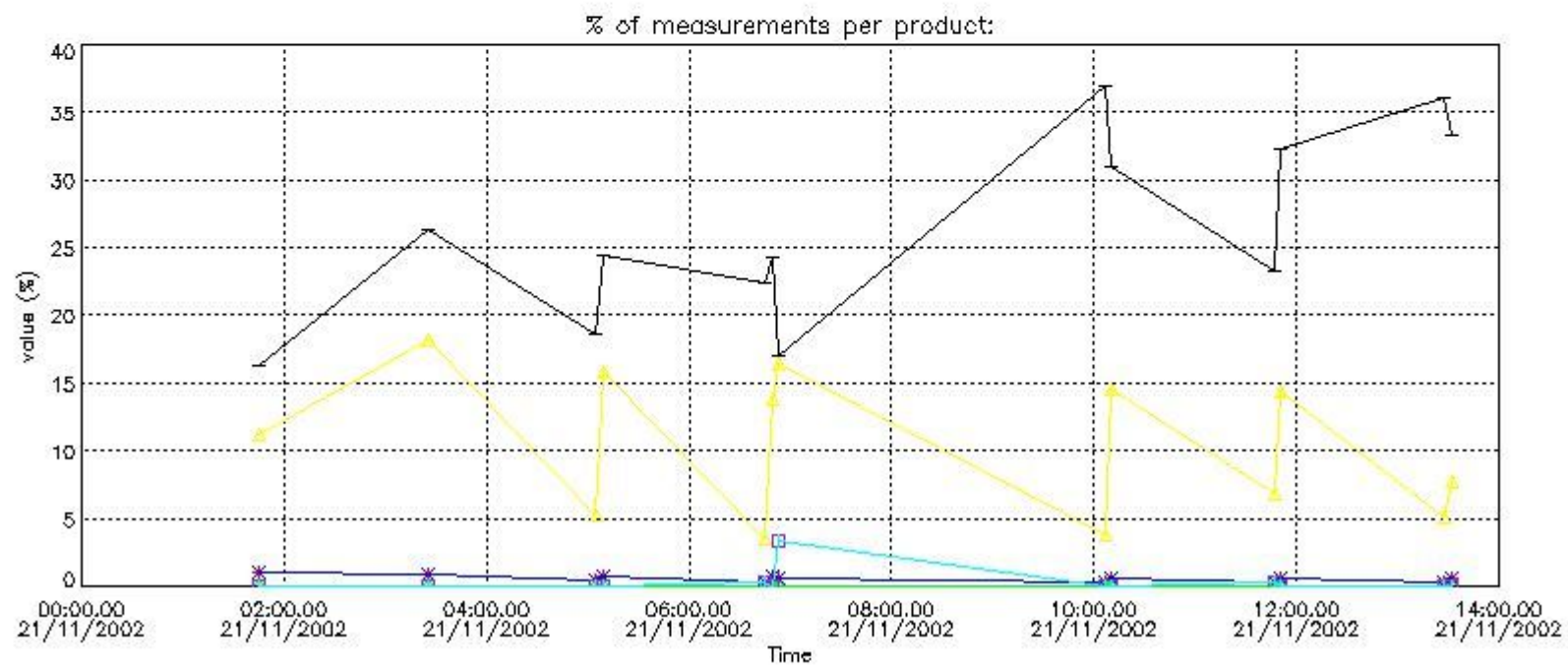
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



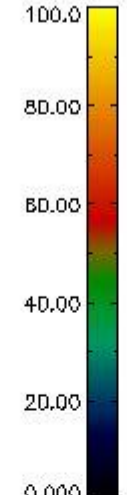
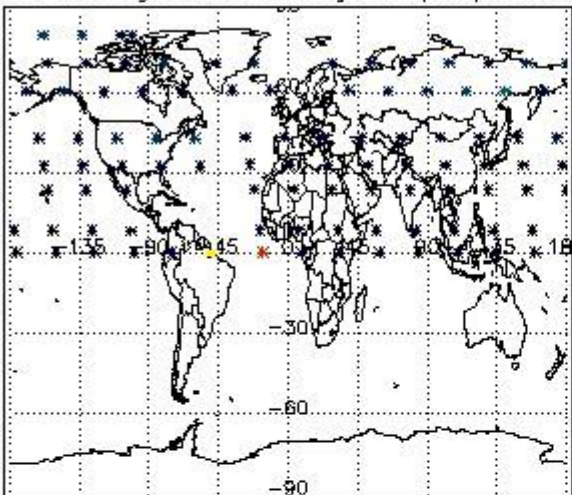
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



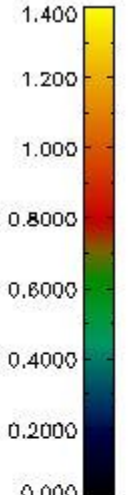
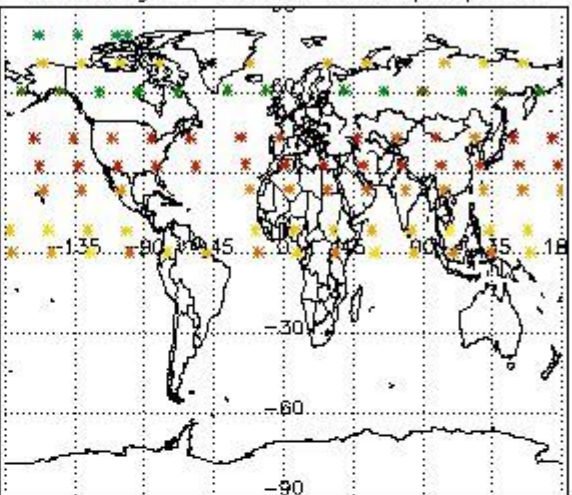
4.2 Plot quality information per product coming from level 1b processing (world map)

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

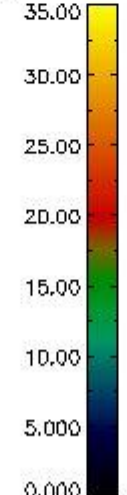
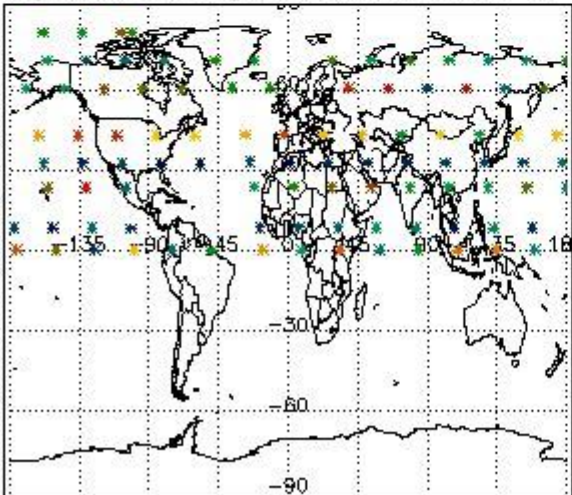
Percentage of cosmic ray hits per profile



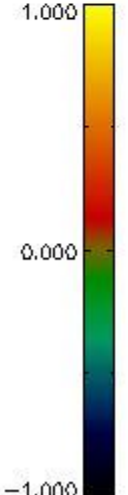
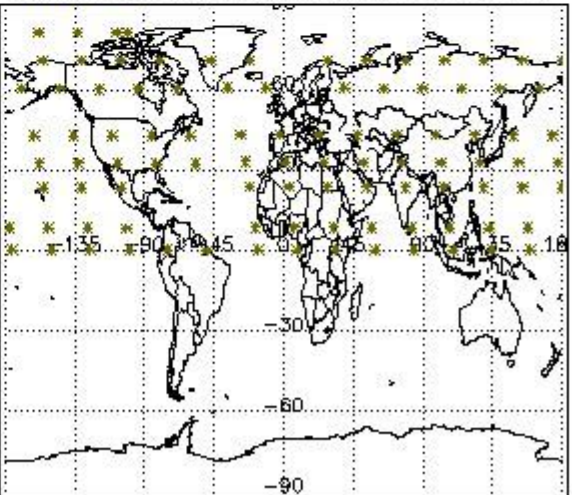
Percentage of datation errors per profile



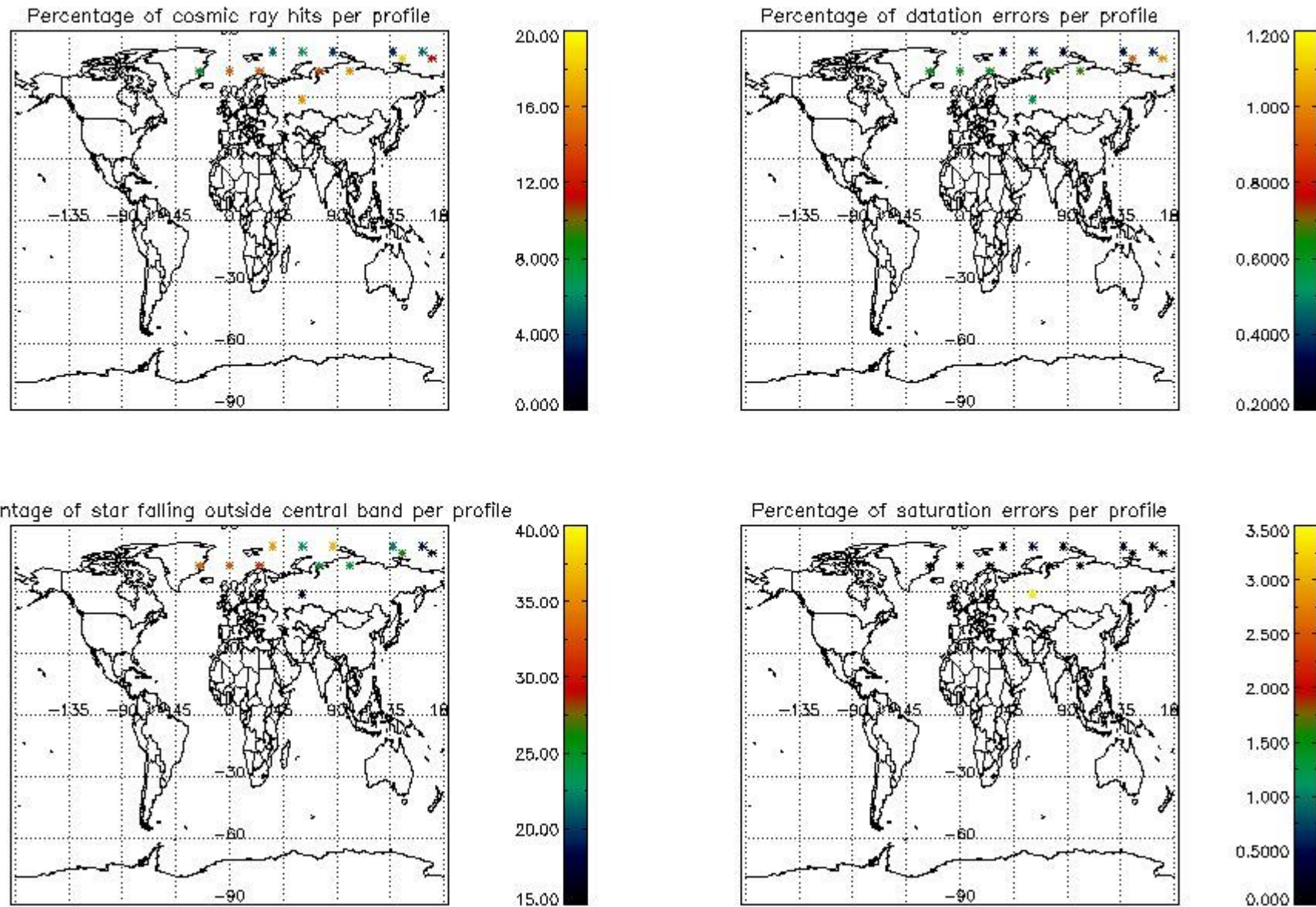
Percentage of star falling outside central band per profile



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

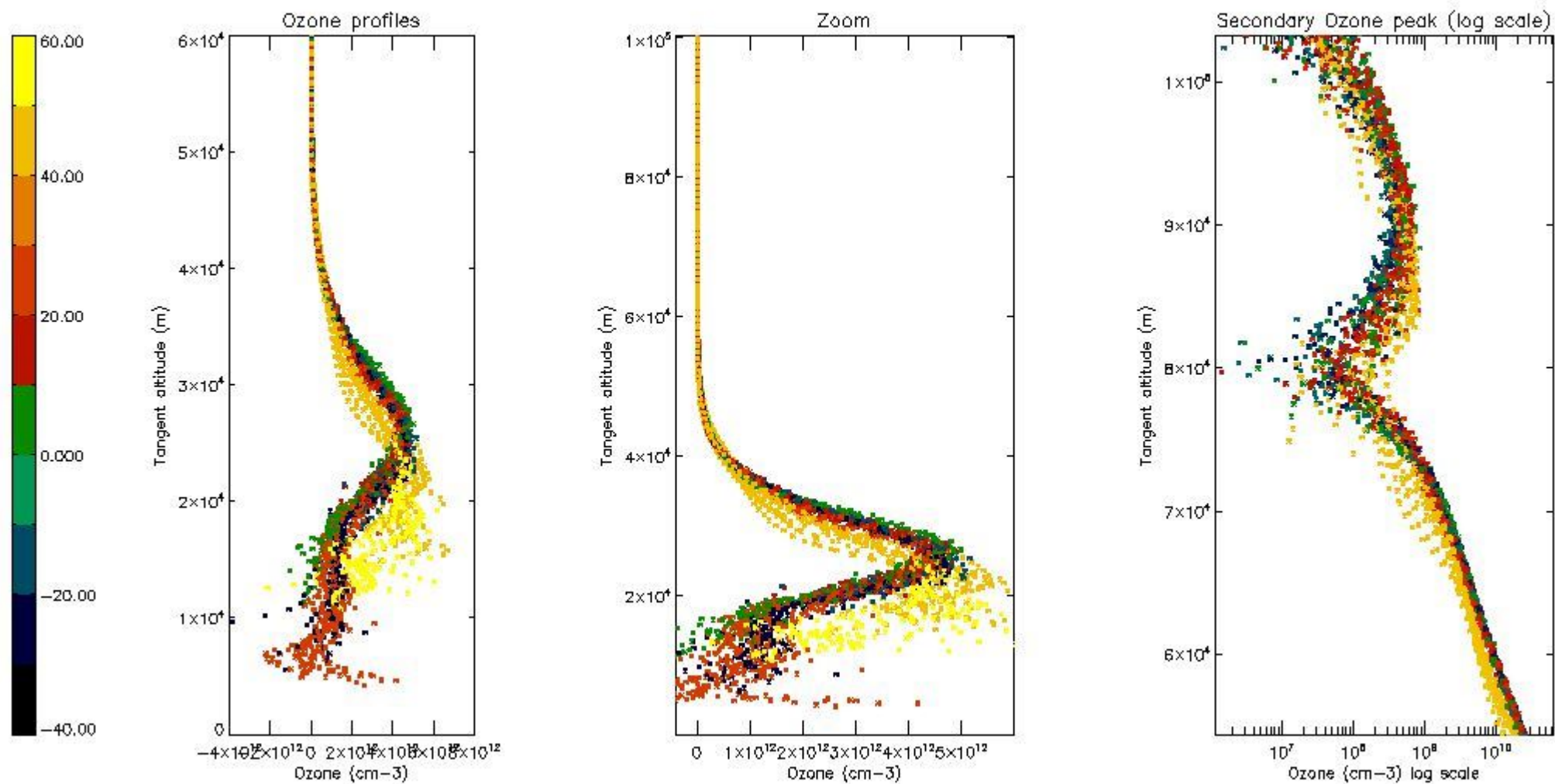
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	65
STD < 20	48

STD < 10	43
STD < 5	38

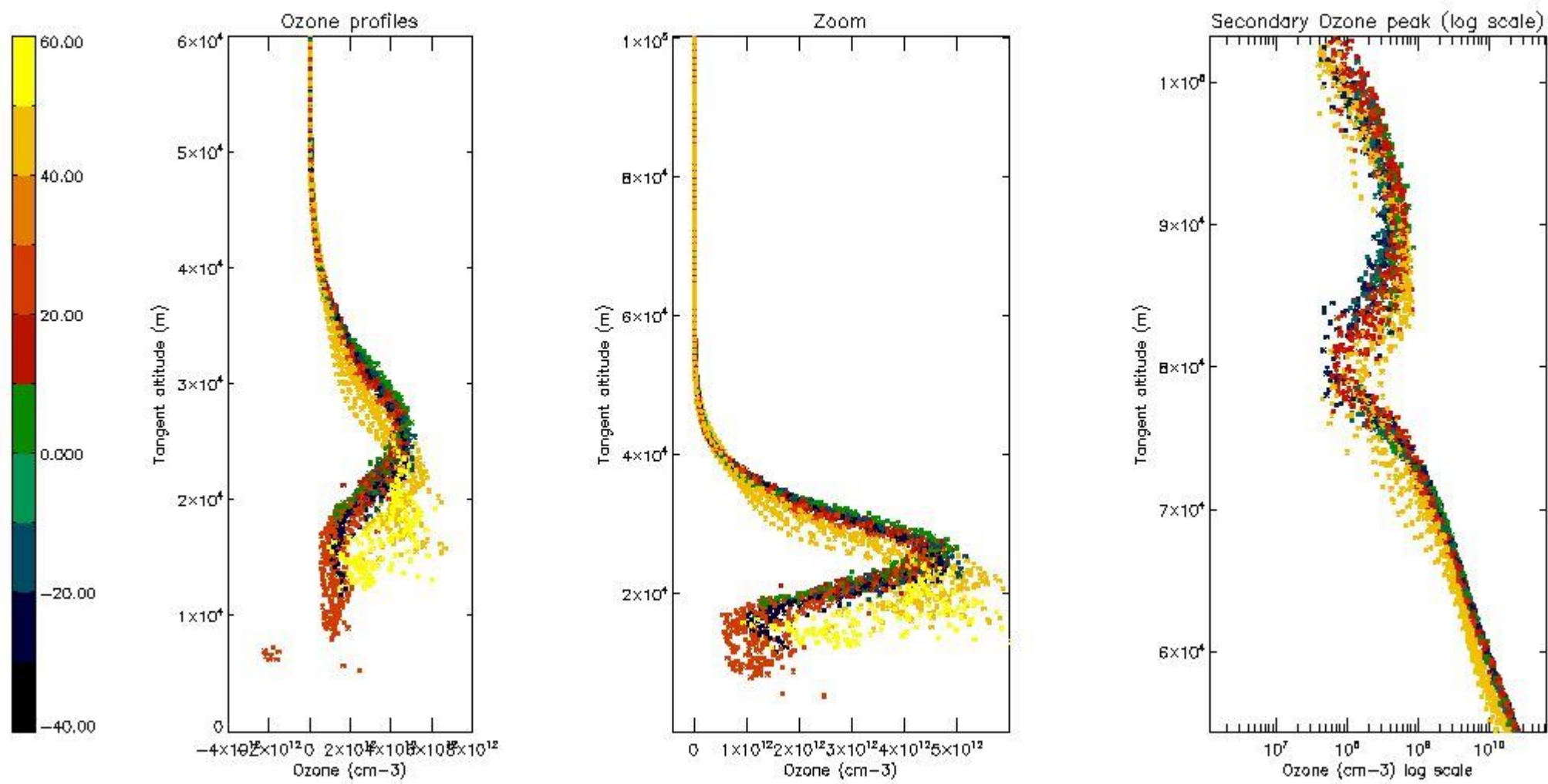
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



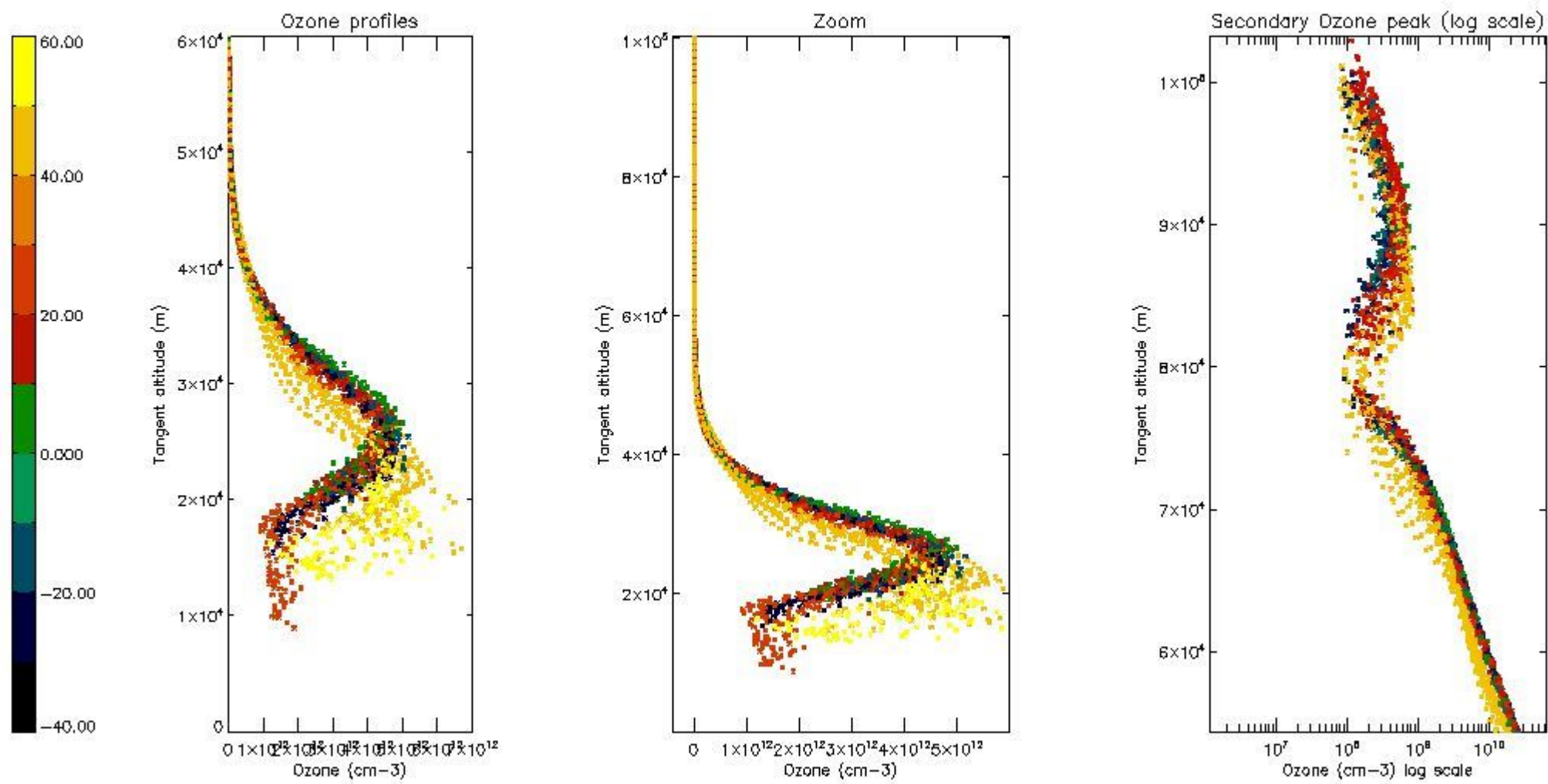
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



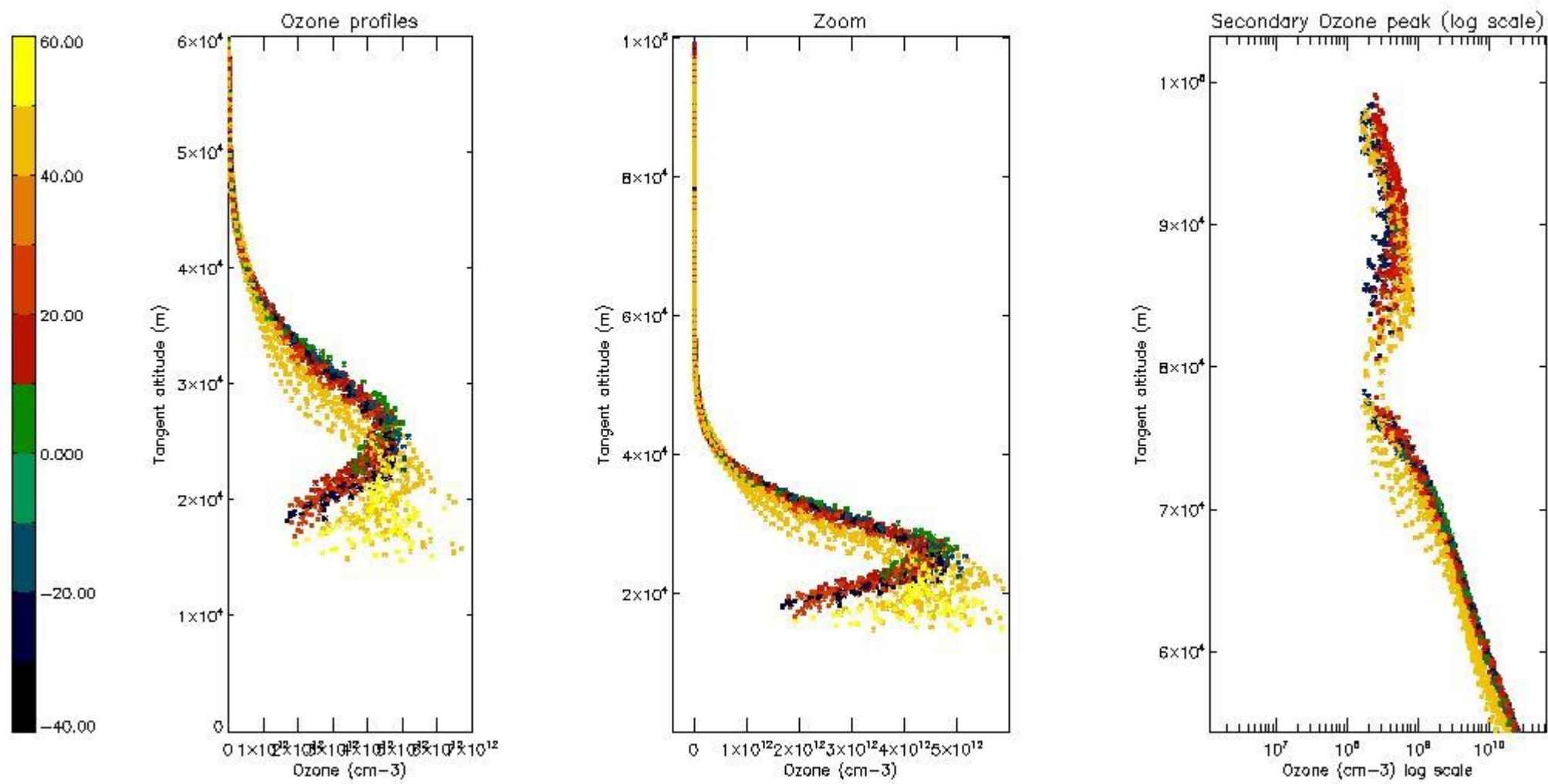
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



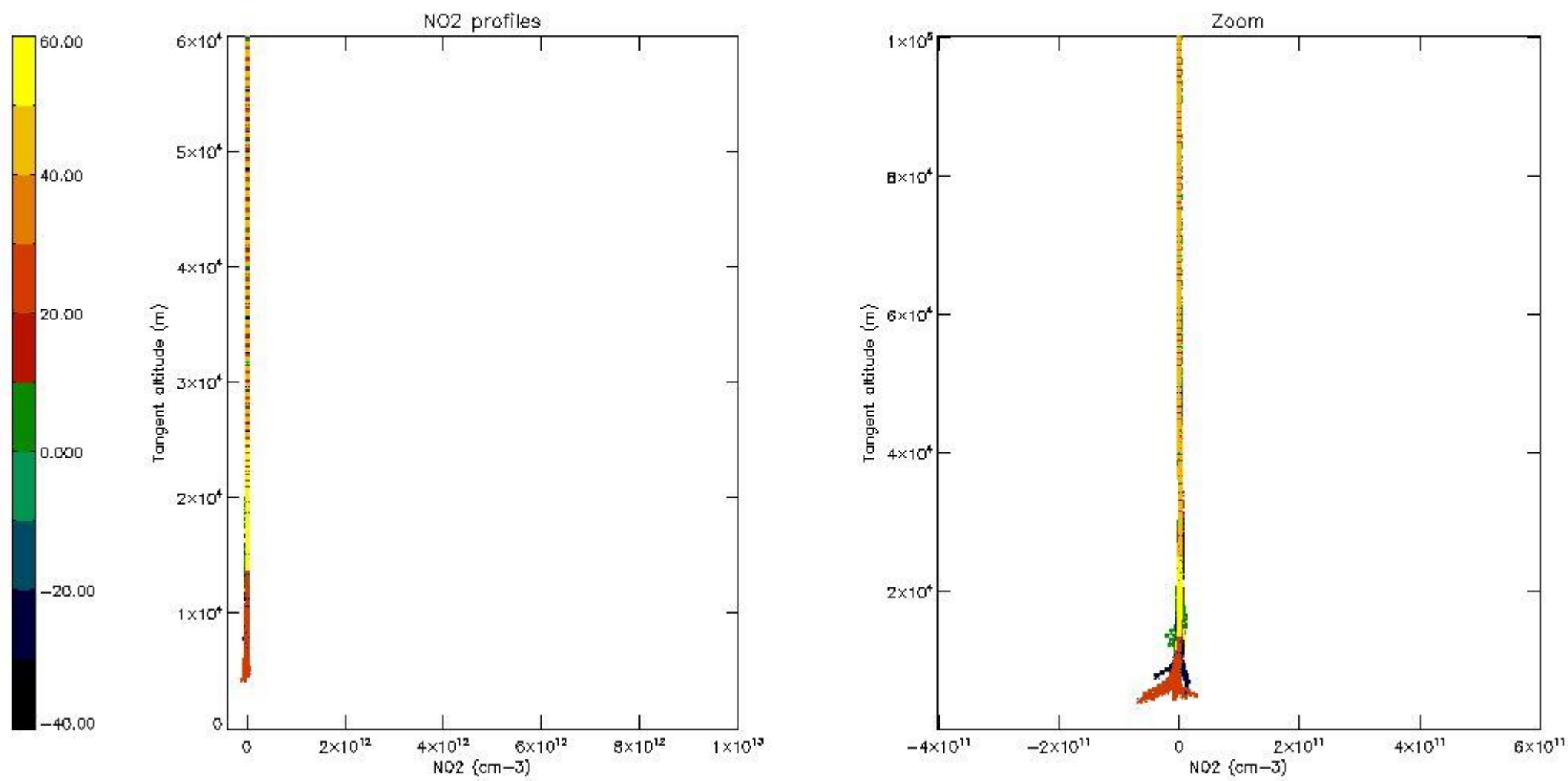
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



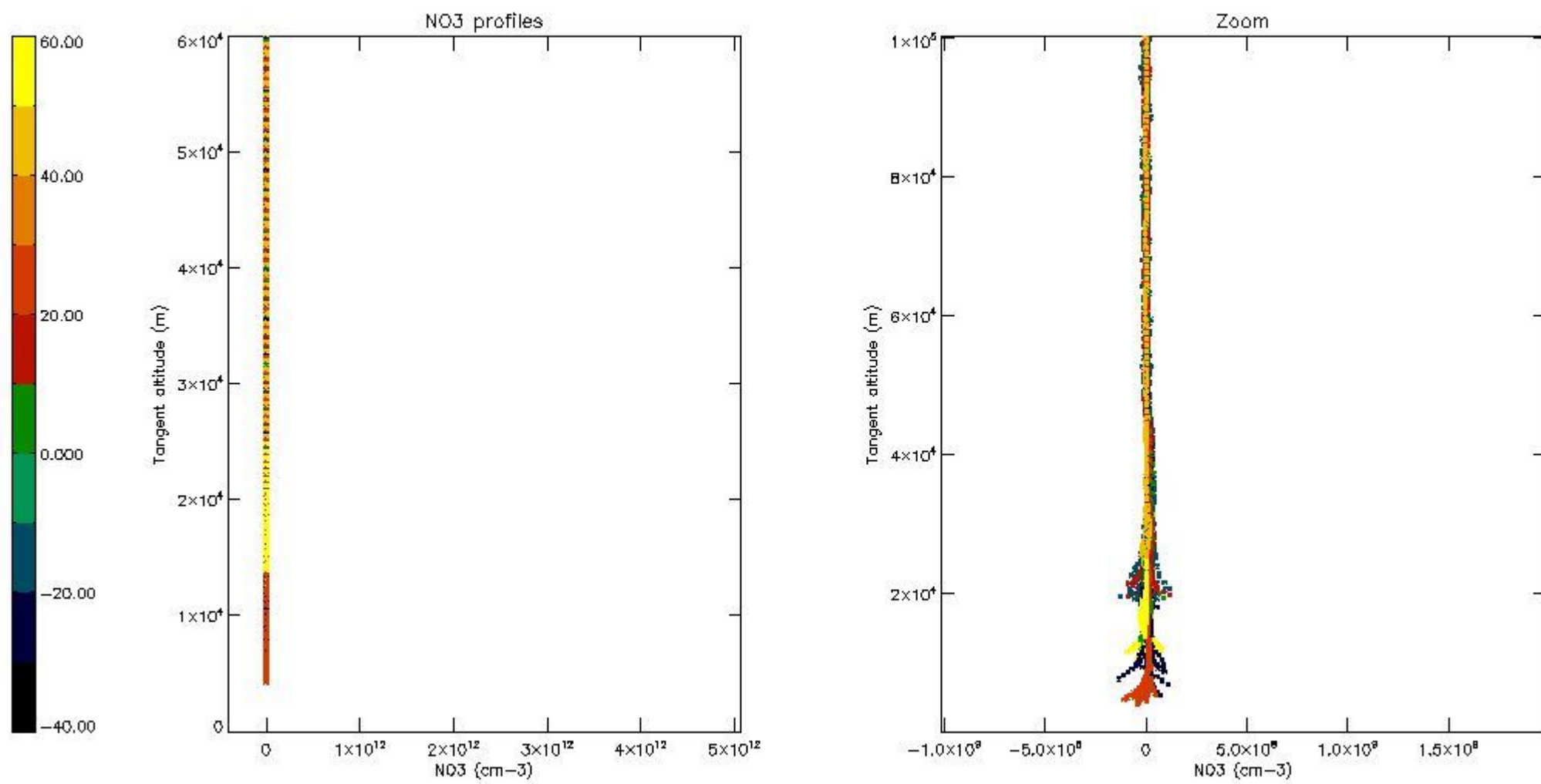
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



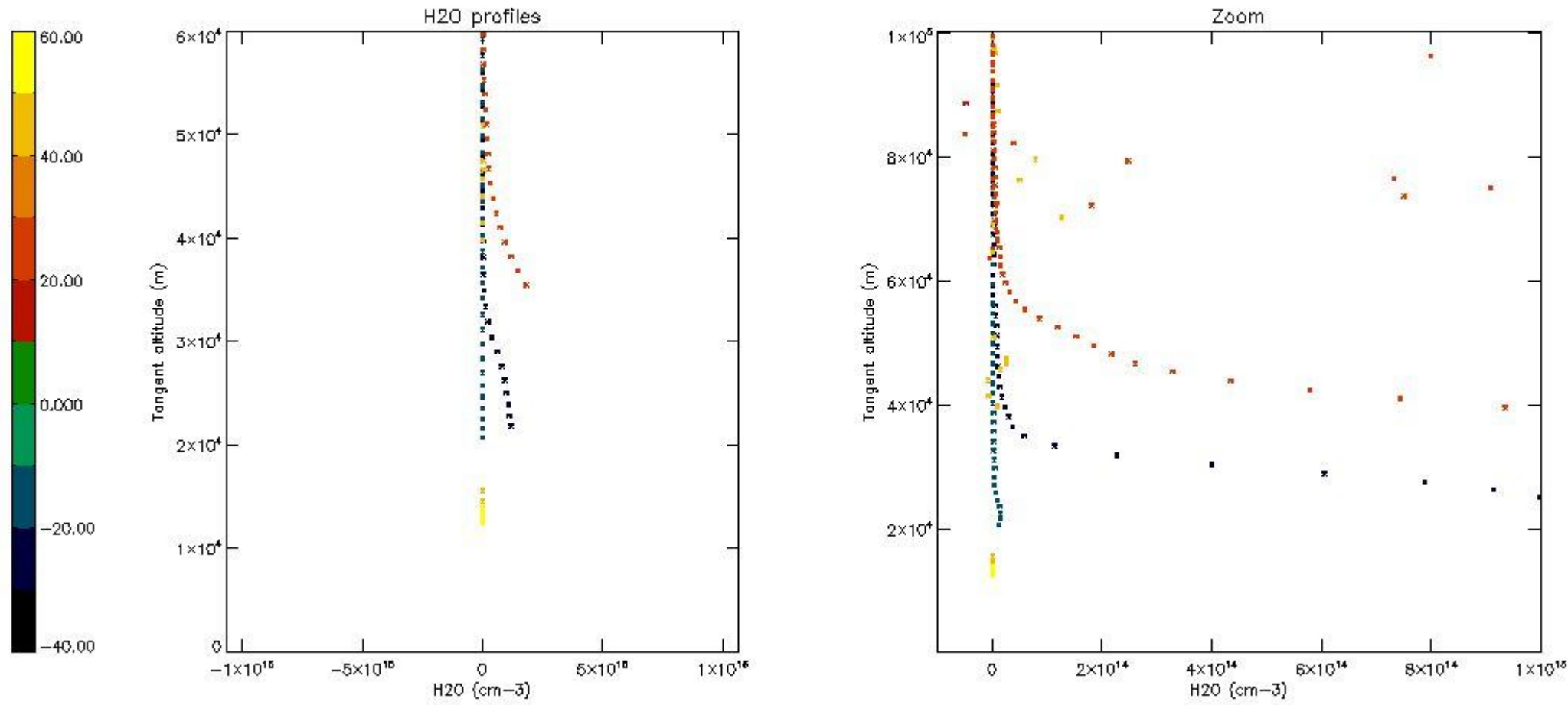
5.7 Plot NO3 profiles for all STD (dark without errors)

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_AXNIEC20050627_150440_20020301_000000_20100101_000000	1	21-NOV-2002 00:01:52
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	21-NOV-2002 00:01:52
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	21-NOV-2002 00:01:52

GOMOS Level 2 Daily Report

SUMMARY

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

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[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 \(world map\)](#)

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

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

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

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

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[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	17APR2013 20:21:13
Data source version	GOMOS/6.01
Start time of products	21-11-2002 (21NOV2002 00:00:00)
Stop time of products	22-11-2002 (22NOV2002 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	109
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__2PRFIN20021121_000152_000000982011_00231_03792_9757.N1	21-NOV-2002 00:01:52	Straylight	97.500	47	2Bet CMa	1.9760	28000.	195	3792	No
2	GOM_NL__2PRFIN20021121_011757_000000412011_00232_03793_9752.N1	21-NOV-2002 01:17:57	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	3793	No
3	GOM_NL__2PRFIN20021121_012700_000000572011_00232_03793_9753.N1	21-NOV-2002 01:27:00	Dark	56.500	70	Zet Pup	2.2460	39000.	113	3793	No
4	GOM_NL__2PRFIN20021121_012957_000000602011_00232_03793_9754.N1	21-NOV-2002 01:29:57	Dark	60.000	2	Alp Car	-0.73600	7000.0	120	3793	No
5	GOM_NL__2PRFIN20021121_013456_000000812011_00232_03793_9755.N1	21-NOV-2002 01:34:56	Dark	81.000	23	21Eps CMa	1.5020	26000.	162	3793	No
6	GOM_NL__2PRFIN20021121_013810_000000392011_00232_03793_9756.N1	21-NOV-2002 01:38:10	Straylight	39.000	157	The1Eri	2.9060	9300.0	78	3793	No
7	GOM_NL__2PRFIN20021121_014229_000000932011_00232_03793_9757.N1	21-NOV-2002 01:42:29	Straylight	92.500	47	2Bet CMa	1.9760	28000.	185	3793	No
8	GOM_NL__2PRFIN20021121_014518_000000492011_00232_03793_9758.N1	21-NOV-2002 01:45:18	Straylight	49.000	165	34Gam Eri	2.9500	3200.0	98	3793	No
9	GOM_NL__2PRFIN20021121_025833_000000382011_00233_03794_9752.N1	21-NOV-2002 02:58:33	Dark	38.000	12	Alp1Cru	0.77500	30000.	76	3794	No
10	GOM_NL__2PRFIN20021121_030736_000000582011_00233_03794_9753.N1	21-NOV-2002 03:07:36	Dark	57.500	70	Zet Pup	2.2460	39000.	115	3794	No
11	GOM_NL__2PRFIN20021121_031033_000000602011_00233_03794_9754.N1	21-NOV-2002 03:10:33	Dark	60.000	2	Alp Car	-0.73600	7000.0	120	3794	No
12	GOM_NL__2PRFIN20021121_031532_000000812011_00233_03794_9755.N1	21-NOV-2002 03:15:32	Dark	81.000	23	21Eps CMa	1.5020	26000.	162	3794	No
13	GOM_NL__2PRFIN20021121_031846_000000392011_00233_03794_9756.N1	21-NOV-2002 03:18:46	Straylight	39.000	157	The1Eri	2.9060	9300.0	78	3794	No
14	GOM_NL__2PRFIN20021121_032304_000000952011_00233_03794_9757.N1	21-NOV-2002 03:23:04	Straylight	94.500	47	2Bet CMa	1.9760	28000.	189	3794	No
15	GOM_NL__2PRFIN20021121_032554_000000552011_00233_03794_9758.N1	21-NOV-2002 03:25:54	Straylight	55.000	165	34Gam Eri	2.9500	3200.0	110	3794	No
16	GOM_NL__2PRFIN20021121_043909_000000502011_00234_03795_9752.N1	21-NOV-2002 04:39:09	Dark	50.000	12	Alp1Cru	0.77500	30000.	100	3795	No
17	GOM_NL__2PRFIN20021121_044127_000000392011_00234_03795_9753.N1	21-NOV-2002 04:41:27	Dark	39.000	124	The Car	2.7640	30000.	78	3795	No
18	GOM_NL__2PRFIN20021121_044539_000000442011_00234_03795_9754.N1	21-NOV-2002 04:45:39	Dark	43.500	41	Eps Car	1.8600	4100.0	87	3795	No
19	GOM_NL__2PRFIN20021121_044813_000000592011_00234_03795_9755.N1	21-NOV-2002 04:48:13	Dark	58.500	70	Zet Pup	2.2460	39000.	117	3795	No
20	GOM_NL__2PRFIN20021121_045109_000000532011_00234_03795_9756.N1	21-NOV-2002 04:51:09	Dark	53.000	2	Alp Car	-0.73600	7000.0	106	3795	No
21	GOM_NL__2PRFIN20021121_045610_000000822011_00234_03795_9757.N1	21-NOV-2002 04:56:10	Dark	82.000	23	21Eps CMa	1.5020	26000.	164	3795	No
22	GOM_NL__2PRFIN20021121_045923_000000392011_00234_03795_9758.N1	21-NOV-2002 04:59:23	Straylight	38.500	157	The1Eri	2.9060	9300.0	77	3795	No
23	GOM_NL__2PRFIN20021121_050417_000001352011_00234_03795_9759.N1	21-NOV-2002 05:04:17	Straylight	134.50	1	9Alp CMa	-1.4400	11000.	269	3795	No
24	GOM_NL__2PRFIN20021121_050837_000000762011_00234_03795_9760.N1	21-NOV-2002 05:08:37	Straylight	75.500	7	19Bet Ori	0.10000	14000.	151	3795	No
25	GOM_NL__2PRFIN20021121_061945_000000382011_00235_03796_9752.N1	21-NOV-2002 06:19:45	Dark	37.500	12	Alp1Cru	0.77500	30000.	75	3796	No
26	GOM_NL__2PRFIN20021121_062203_000000402011_00235_03796_9753.N1	21-NOV-2002 06:22:03	Dark	39.500	124	The Car	2.7640	30000.	79	3796	No
27	GOM_NL__2PRFIN20021121_062616_000000502011_00235_03796_9754.N1	21-NOV-2002 06:26:16	Dark	50.000	41	Eps Car	1.8600	4100.0	100	3796	No
28	GOM_NL__2PRFIN20021121_062850_000000572011_00235_03796_9755.N1	21-NOV-2002 06:28:50	Dark	57.000	70	Zet Pup	2.2460	39000.	114	3796	No
29	GOM_NL__2PRFIN20021121_063146_000000552011_00235_03796_9756.N1	21-NOV-2002 06:31:46	Dark	54.500	2	Alp Car	-0.73600	7000.0	109	3796	No
30	GOM_NL__2PRFIN20021121_063647_000000762011_00235_03796_9757.N1	21-NOV-2002 06:36:47	Dark	75.500	23	21Eps CMa	1.5020	26000.	151	3796	No
31	GOM_NL__2PRFIN20021121_063959_000000412011_00235_03796_9758.N1	21-NOV-2002 06:39:59	Straylight	40.500	157	The1Eri	2.9060	9300.0	81	3796	No
32	GOM_NL__2PRFIN20021121_064453_000001412011_00235_03796_9759.N1	21-NOV-2002 06:44:53	Straylight	141.00	1	9Alp CMa	-1.4400	11000.	282	3796	No
33	GOM_NL__2PRFIN20021121_064913_000000762011_00235_03796_9760.N1	21-NOV-2002 06:49:13	Straylight	76.000	7	19Bet Ori	0.10000	14000.	152	3796	No
34	GOM_NL__2PRFIN20021121_065320_000000892011_00235_03796_9761.N1	21-NOV-2002 06:53:20	Bright	88.500	30	46Eps Ori	1.6940	30000.	177	3796	No
35	GOM_NL__2PRFIN20021121_080021_000000432011_00236_03797_9752.N1	21-NOV-2002 08:00:21	Dark	42.500	12	Alp1Cru	0.77500	30000.	85	3797	No
36	GOM_NL__2PRFIN20021121_080240_000000382011_00236_03797_9753.N1	21-NOV-2002 08:02:40	Dark	38.000	124	The Car	2.7640	30000.	76	3797	No
37	GOM_NL__2PRFIN20021121_080652_000000482011_00236_03797_9754.N1	21-NOV-2002 08:06:52	Dark	48.000	41	Eps Car	1.8600	4100.0	96	3797	No
38	GOM_NL__2PRFIN20021121_080928_000000592011_00236_03797_9755.N1	21-NOV-2002 08:09:28	Dark	58.500	70	Zet Pup	2.2460	39000.	117	3797	No
39	GOM_NL__2PRFIN20021121_081222_000000602011_00236_03797_9756.N1	21-NOV-2002 08:12:22	Dark	60.000	2	Alp Car	-0.73600	7000.0	120	3797	No
40	GOM_NL__2PRFIN20021121_081723_000000762011_00236_03797_9757.N1	21-NOV-2002 08:17:23	Dark	76.000	23	21Eps CMa	1.5020	26000.	152	3797	No
41	GOM_NL__2PRFIN20021121_082035_000000422011_00236_03797_9758.N1	21-NOV-2002 08:20:35	Straylight	41.500	157	The1Eri	2.9060	9300.0	83	3797	No
42	GOM_NL__2PRFIN20021121_094058_000000462011_00237_03798_9752.N1	21-NOV-2002 09:40:58	Dark	45.500	12	Alp1Cru	0.77500	30000.	91	3798	No

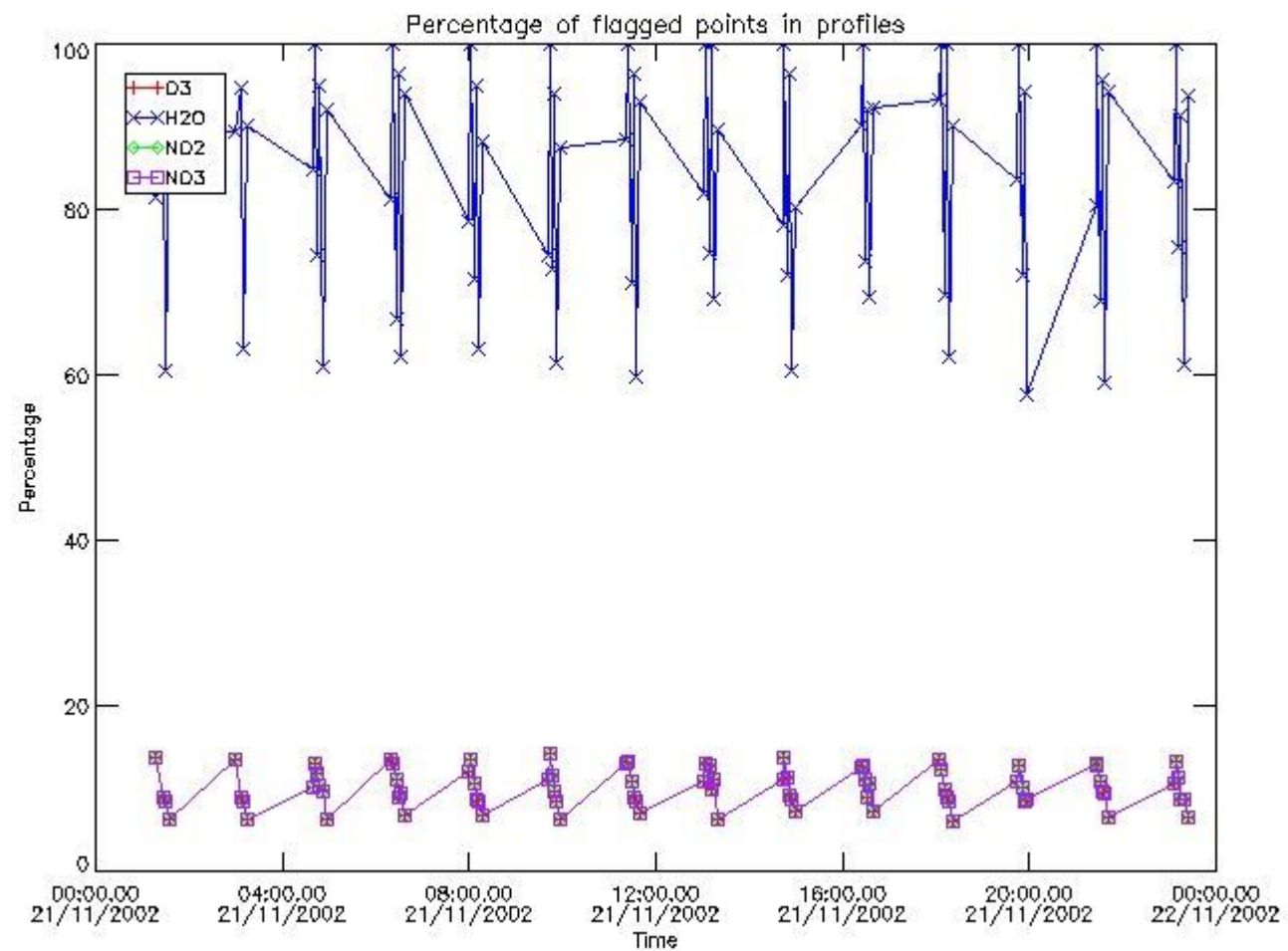
43	GOM_NL__2PRFIN20021121_094316_000000402011_00237_03798_9753.N1	21-NOV-2002 09:43:16	Dark	39.500	124	The Car	2.7640	30000.	79	3798	No
44	GOM_NL__2PRFIN20021121_094728_000000452011_00237_03798_9754.N1	21-NOV-2002 09:47:28	Dark	44.500	41	Eps Car	1.8600	4100.0	89	3798	No
45	GOM_NL__2PRFIN20021121_095006_000000592011_00237_03798_9755.N1	21-NOV-2002 09:50:06	Dark	58.500	70	Zet Pup	2.2460	39000.	117	3798	No
46	GOM_NL__2PRFIN20021121_095259_000000602011_00237_03798_9756.N1	21-NOV-2002 09:52:59	Dark	60.000	2	Alp Car	-0.73600	7000.0	120	3798	No
47	GOM_NL__2PRFIN20021121_095800_000000812011_00237_03798_9757.N1	21-NOV-2002 09:58:00	Dark	81.000	23	21Eps CMa	1.5020	26000.	162	3798	No
48	GOM_NL__2PRFIN20021121_100110_000000402011_00237_03798_9758.N1	21-NOV-2002 10:01:10	Straylight	39.500	157	The1Eri	2.9060	9300.0	79	3798	No
49	GOM_NL__2PRFIN20021121_100605_000001722011_00237_03798_9759.N1	21-NOV-2002 10:06:05	Straylight	172.00	1	9Alp CMa	-1.4400	11000.	344	3798	No
50	GOM_NL__2PRFIN20021121_101025_000000832011_00237_03798_9760.N1	21-NOV-2002 10:10:25	Straylight	82.500	7	19Bet Ori	0.10000	14000.	165	3798	No
51	GOM_NL__2PRFIN20021121_112134_000000392011_00238_03799_9752.N1	21-NOV-2002 11:21:34	Dark	39.000	12	Alp1Cru	0.77500	30000.	78	3799	No
52	GOM_NL__2PRFIN20021121_112353_000000392011_00238_03799_9753.N1	21-NOV-2002 11:23:53	Dark	38.500	124	The Car	2.7640	30000.	77	3799	No
53	GOM_NL__2PRFIN20021121_112806_000000472011_00238_03799_9754.N1	21-NOV-2002 11:28:06	Dark	47.000	41	Eps Car	1.8600	4100.0	94	3799	No
54	GOM_NL__2PRFIN20021121_113043_000000572011_00238_03799_9755.N1	21-NOV-2002 11:30:43	Dark	57.000	70	Zet Pup	2.2460	39000.	114	3799	No
55	GOM_NL__2PRFIN20021121_113337_000000602011_00238_03799_9756.N1	21-NOV-2002 11:33:37	Dark	60.000	2	Alp Car	-0.73600	7000.0	120	3799	No
56	GOM_NL__2PRFIN20021121_113838_000000732011_00238_03799_9757.N1	21-NOV-2002 11:38:38	Dark	73.000	23	21Eps CMa	1.5020	26000.	146	3799	No
57	GOM_NL__2PRFIN20021121_114147_000000392011_00238_03799_9758.N1	21-NOV-2002 11:41:47	Straylight	39.000	157	The1Eri	2.9060	9300.0	78	3799	No
58	GOM_NL__2PRFIN20021121_114642_000001402011_00238_03799_9759.N1	21-NOV-2002 11:46:42	Straylight	140.00	1	9Alp CMa	-1.4400	11000.	280	3799	No
59	GOM_NL__2PRFIN20021121_115101_000000842011_00238_03799_9760.N1	21-NOV-2002 11:51:01	Straylight	83.500	7	19Bet Ori	0.10000	14000.	167	3799	No
60	GOM_NL__2PRFIN20021121_130210_000000482011_00239_03800_9884.N1	21-NOV-2002 13:02:10	Dark	47.500	12	Alp1Cru	0.77500	30000.	95	3800	No
61	GOM_NL__2PRFIN20021121_130429_000000402011_00239_03800_9885.N1	21-NOV-2002 13:04:29	Dark	39.500	124	The Car	2.7640	30000.	79	3800	No
62	GOM_NL__2PRFIN20021121_130843_000000442011_00239_03800_9886.N1	21-NOV-2002 13:08:43	Dark	44.000	41	Eps Car	1.8600	4100.0	88	3800	No
63	GOM_NL__2PRFIN20021121_131120_000000572011_00239_03800_9887.N1	21-NOV-2002 13:11:20	Dark	56.500	70	Zet Pup	2.2460	39000.	113	3800	No
64	GOM_NL__2PRFIN20021121_131413_000000462011_00239_03800_9888.N1	21-NOV-2002 13:14:13	Dark	46.000	2	Alp Car	-0.73600	7000.0	92	3800	No
65	GOM_NL__2PRFIN20021121_131915_000000822011_00239_03800_9889.N1	21-NOV-2002 13:19:15	Dark	82.000	23	21Eps CMa	1.5020	26000.	164	3800	No
66	GOM_NL__2PRFIN20021121_132223_000000422011_00239_03800_9890.N1	21-NOV-2002 13:22:23	Straylight	41.500	157	The1Eri	2.9060	9300.0	83	3800	No
67	GOM_NL__2PRFIN20021121_132718_000001682011_00239_03800_9891.N1	21-NOV-2002 13:27:18	Straylight	168.00	1	9Alp CMa	-1.4400	11000.	336	3800	No
68	GOM_NL__2PRFIN20021121_133137_000000842011_00239_03800_9892.N1	21-NOV-2002 13:31:37	Straylight	84.000	7	19Bet Ori	0.10000	14000.	168	3800	No
69	GOM_NL__2PRFIN20021121_144246_000000462011_00240_03801_9884.N1	21-NOV-2002 14:42:46	Dark	46.000	12	Alp1Cru	0.77500	30000.	92	3801	No
70	GOM_NL__2PRFIN20021121_144506_000000372011_00240_03801_9885.N1	21-NOV-2002 14:45:06	Dark	37.000	124	The Car	2.7640	30000.	74	3801	No
71	GOM_NL__2PRFIN20021121_144920_000000452011_00240_03801_9886.N1	21-NOV-2002 14:49:20	Dark	45.000	41	Eps Car	1.8600	4100.0	90	3801	No
72	GOM_NL__2PRFIN20021121_145158_000000562011_00240_03801_9887.N1	21-NOV-2002 14:51:58	Dark	56.000	70	Zet Pup	2.2460	39000.	112	3801	No
73	GOM_NL__2PRFIN20021121_145450_000000592011_00240_03801_9888.N1	21-NOV-2002 14:54:50	Dark	58.500	2	Alp Car	-0.73600	7000.0	117	3801	No
74	GOM_NL__2PRFIN20021121_145952_000000722011_00240_03801_9889.N1	21-NOV-2002 14:59:52	Dark	71.500	23	21Eps CMa	1.5020	26000.	143	3801	No
75	GOM_NL__2PRFIN20021121_150300_000000402011_00240_03801_9890.N1	21-NOV-2002 15:03:00	Straylight	40.000	157	The1Eri	2.9060	9300.0	80	3801	No
76	GOM_NL__2PRFIN20021121_162322_000000412011_00241_03802_9904.N1	21-NOV-2002 16:23:22	Dark	41.000	12	Alp1Cru	0.77500	30000.	82	3802	No
77	GOM_NL__2PRFIN20021121_162541_000000402011_00241_03802_9905.N1	21-NOV-2002 16:25:41	Dark	40.000	124	The Car	2.7640	30000.	80	3802	No
78	GOM_NL__2PRFIN20021121_162956_000000462011_00241_03802_9906.N1	21-NOV-2002 16:29:56	Dark	46.000	41	Eps Car	1.8600	4100.0	92	3802	No
79	GOM_NL__2PRFIN20021121_163234_000000582011_00241_03802_9907.N1	21-NOV-2002 16:32:34	Dark	57.500	70	Zet Pup	2.2460	39000.	115	3802	No
80	GOM_NL__2PRFIN20021121_163525_000000482011_00241_03802_9908.N1	21-NOV-2002 16:35:25	Dark	48.000	2	Alp Car	-0.73600	7000.0	96	3802	No
81	GOM_NL__2PRFIN20021121_164027_000000842011_00241_03802_9909.N1	21-NOV-2002 16:40:27	Dark	83.500	23	21Eps CMa	1.5020	26000.	167	3802	No
82	GOM_NL__2PRFIN20021121_164335_000000412011_00241_03802_9910.N1	21-NOV-2002 16:43:35	Straylight	40.500	157	The1Eri	2.9060	9300.0	81	3802	No
83	GOM_NL__2PRFIN20021121_180358_000000382011_00242_03803_9904.N1	21-NOV-2002 18:03:58	Dark	38.000	12	Alp1Cru	0.77500	30000.	76	3803	No
84	GOM_NL__2PRFIN20021121_180617_000000422011_00242_03803_9905.N1	21-NOV-2002 18:06:17	Dark	41.500	124	The Car	2.7640	30000.	83	3803	No
85	GOM_NL__2PRFIN20021121_181029_000000522011_00242_03803_9906.N1	21-NOV-2002 18:10:29	Dark	51.500	41	Eps Car	1.8600	4100.0	103	3803	No
86	GOM_NL__2PRFIN20021121_181310_000000572011_00242_03803_9907.N1	21-NOV-2002 18:13:10	Dark	57.000	70	Zet Pup	2.2460	39000.	114	3803	No
87	GOM_NL__2PRFIN20021121_181601_000000602011_00242_03803_9908.N1	21-NOV-2002 18:16:01	Dark	60.000	2	Alp Car	-0.73600	7000.0	120	3803	No
88	GOM_NL__2PRFIN20021121_182105_000000862011_00242_03803_9909.N1	21-NOV-2002 18:21:05	Dark	86.000	23	21Eps CMa	1.5020	26000.	172	3803	No
89	GOM_NL__2PRFIN20021121_182412_000000432011_00242_03803_9910.N1	21-NOV-2002 18:24:12	Straylight	42.500	157	The1Eri	2.9060	9300.0	85	3803	No
90	GOM_NL__2PRFIN20021121_194435_000000472011_00243_03804_9904.N1	21-NOV-2002 19:44:35	Dark	46.500	12	Alp1Cru	0.77500	30000.	93	3804	No
91	GOM_NL__2PRFIN20021121_194654_000000402011_00243_03804_9905.N1	21-NOV-2002 19:46:54	Dark	40.000	124	The Car	2.7640	30000.	80	3804	No
92	GOM_NL__2PRFIN20021121_195106_000000512011_00243_03804_9906.N1	21-NOV-2002 19:51:06	Dark	50.500	41	Eps Car	1.8600	4100.0	101	3804	No
93	GOM_NL__2PRFIN20021121_195346_000000602011_00243_03804_9907.N1	21-NOV-2002 19:53:46	Dark	60.000	70	Zet Pup	2.2460	39000.	120	3804	No
94	GOM_NL__2PRFIN20021121_195638_000000592011_00243_03804_9908.N1	21-NOV-2002 19:56:38	Dark	59.000	2	Alp Car	-0.73600	7000.0	118	3804	No
95	GOM_NL__2PRFIN20021121_212511_000000392011_00244_03805_9904.N1	21-NOV-2002 21:25:11	Dark	39.000	12	Alp1Cru	0.77500	30000.	78	3805	No
96	GOM_NL__2PRFIN20021121_212730_000000402011_00244_03805_9905.N1	21-NOV-2002 21:27:30	Dark	40.000	124	The Car	2.7640	30000.	80	3805	No
97	GOM_NL__2PRFIN20021121_213145_000000472011_00244_03805_9906.N1	21-NOV-2002 21:31:45	Dark	47.000	41	Eps Car	1.8600	4100.0	94	3805	No
98	GOM_NL__2PRFIN20021121_213423_000000592011_00244_03805_9907.N1	21-NOV-2002 21:34:23	Dark	58.500	70	Zet Pup	2.2460	39000.	117	3805	No
99	GOM_NL__2PRFIN20021121_213715_000000542011_00244_03805_9908.N1	21-NOV-2002 21:37:15	Dark	54.000	2	Alp Car	-0.73600	7000.0	108	3805	No
100	GOM_NL__2PRFIN20021121_214218_000000792011_00244_03805_9909.N1	21-NOV-2002 21:42:18	Dark	79.000	23	21Eps CMa	1.5020	26000.	158	3805	No
101	GOM_NL__2PRFIN20021121_214524_000000422011_00244_03805_9910.N1	21-NOV-2002 21:45:24	Straylight	41.500	157	The1Eri	2.9060	9300.0	83	3805	No

102	GOM_NL__2PRFIN20021121_230547_000000492011_00245_03806_9904.N1	21-NOV-2002 23:05:47	Dark	48.500	12	Alp1Cru	0.77500	30000.	97	3806	No
103	GOM_NL__2PRFIN20021121_230807_000000392011_00245_03806_9905.N1	21-NOV-2002 23:08:07	Dark	38.500	124	The Car	2.7640	30000.	77	3806	No
104	GOM_NL__2PRFIN20021121_231221_000000452011_00245_03806_9906.N1	21-NOV-2002 23:12:21	Dark	45.000	41	Eps Car	1.8600	4100.0	90	3806	No
105	GOM_NL__2PRFIN20021121_231501_000000592011_00245_03806_9907.N1	21-NOV-2002 23:15:01	Dark	58.500	70	Zet Pup	2.2460	39000.	117	3806	No
106	GOM_NL__2PRFIN20021121_231751_000000592011_00245_03806_9908.N1	21-NOV-2002 23:17:51	Dark	58.500	2	Alp Car	-0.73600	7000.0	117	3806	No
107	GOM_NL__2PRFIN20021121_232255_000000792011_00245_03806_9909.N1	21-NOV-2002 23:22:55	Dark	79.000	23	21Eps CMa	1.5020	26000.	158	3806	No
108	GOM_NL__2PRFIN20021121_232600_000000412011_00245_03806_9910.N1	21-NOV-2002 23:26:00	Straylight	41.000	157	The1Eri	2.9060	9300.0	82	3806	No
109	GOM_NL__2PRFIN20021121_233018_000000922011_00245_03806_9911.N1	21-NOV-2002 23:30:18	Straylight	91.500	47	2Bet CMa	1.9760	28000.	183	3806	No

3. Quality information per product

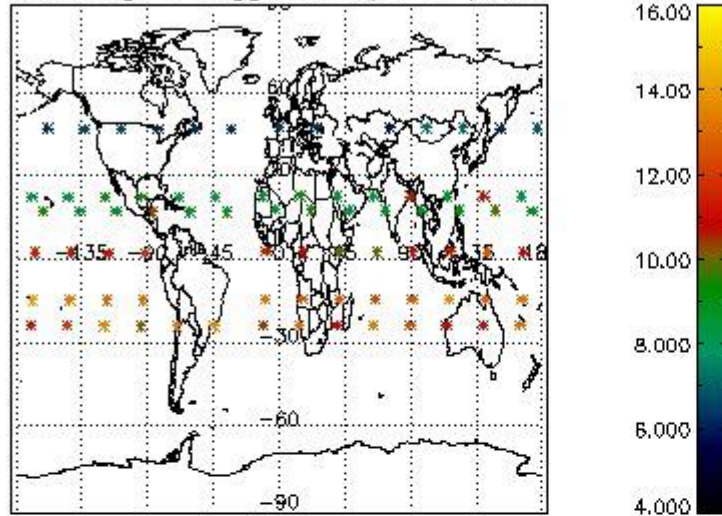
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

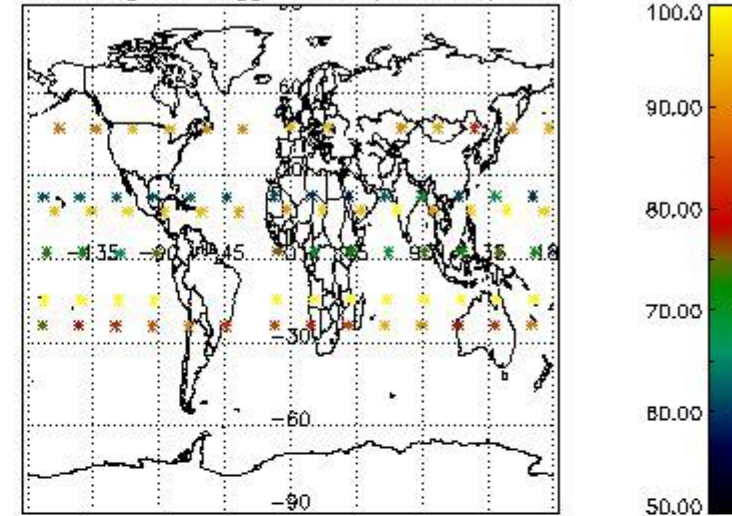


3.2 Plot quality information per product (world map)

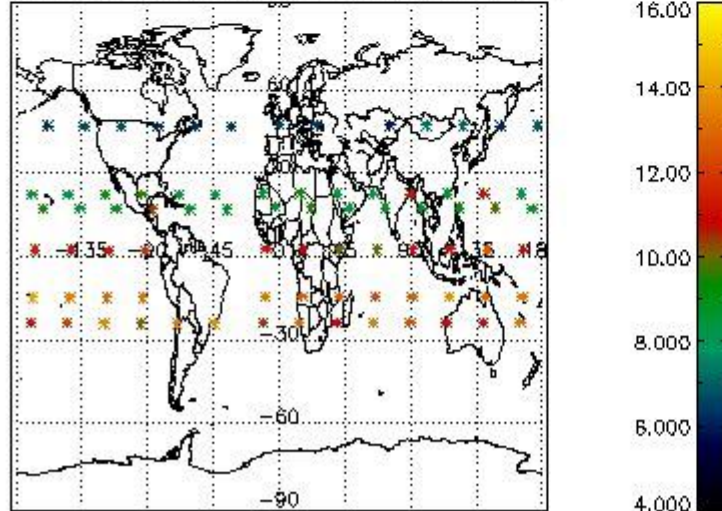
Percentage of flagged data per O3 profile



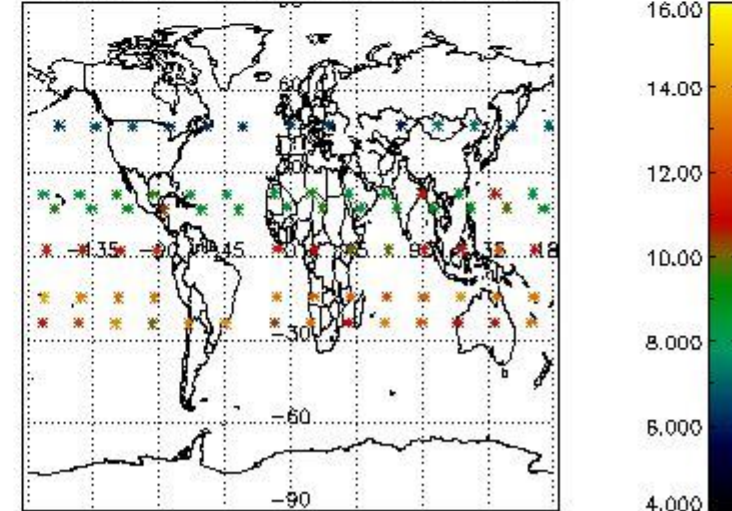
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

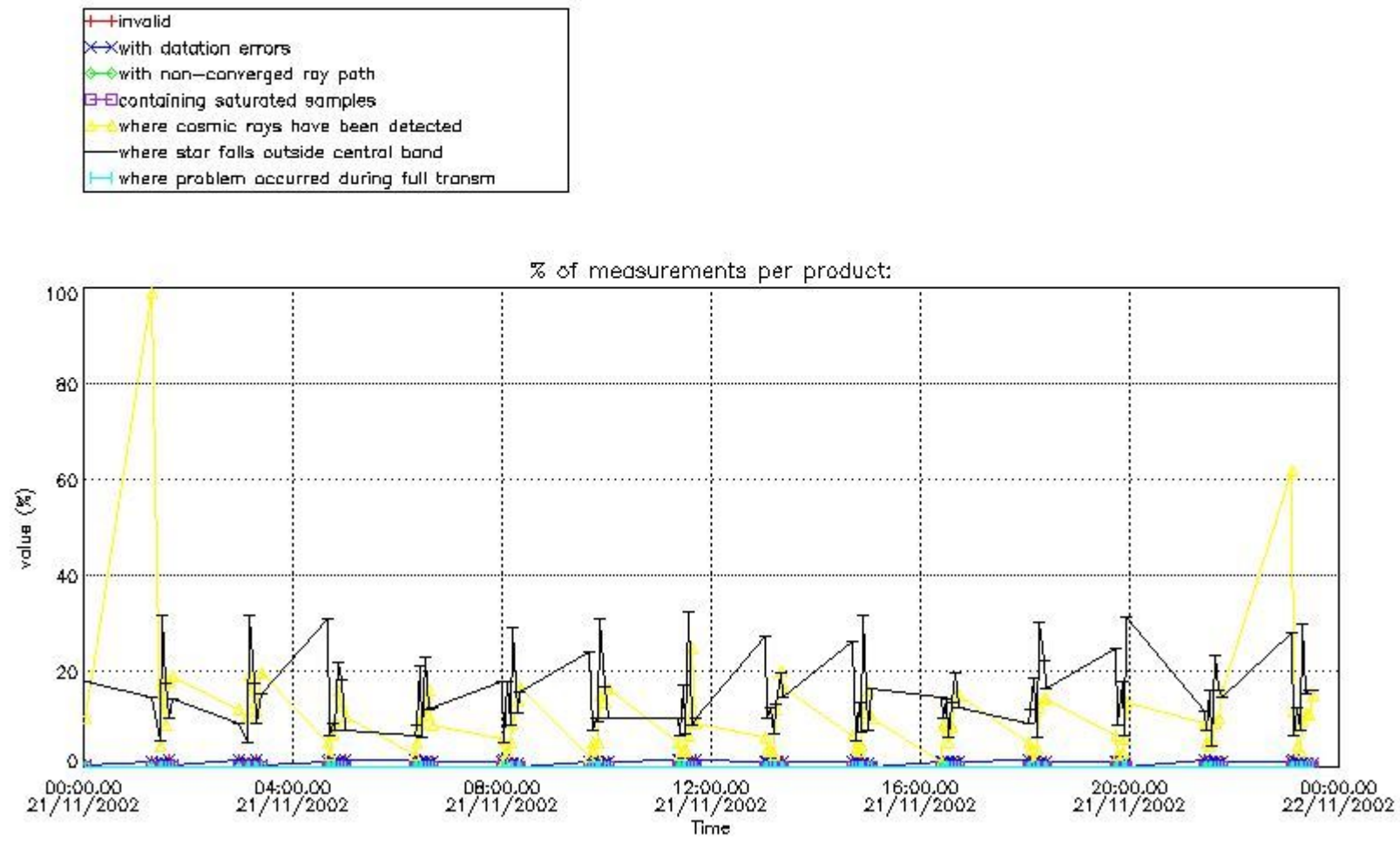


4. Level 1 quality information per product

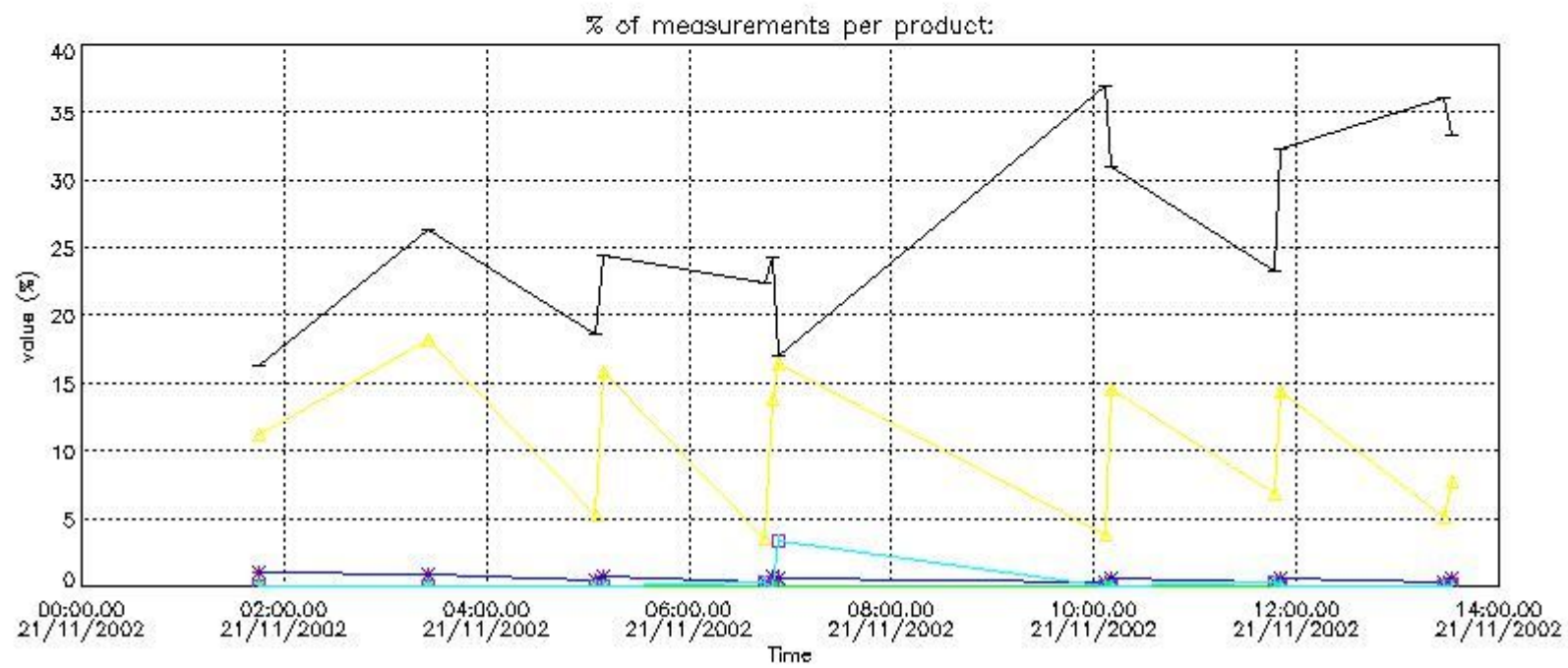
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



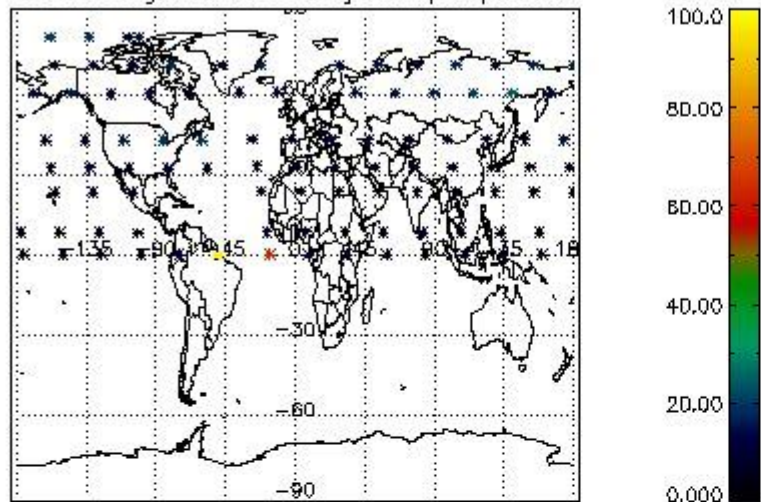
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



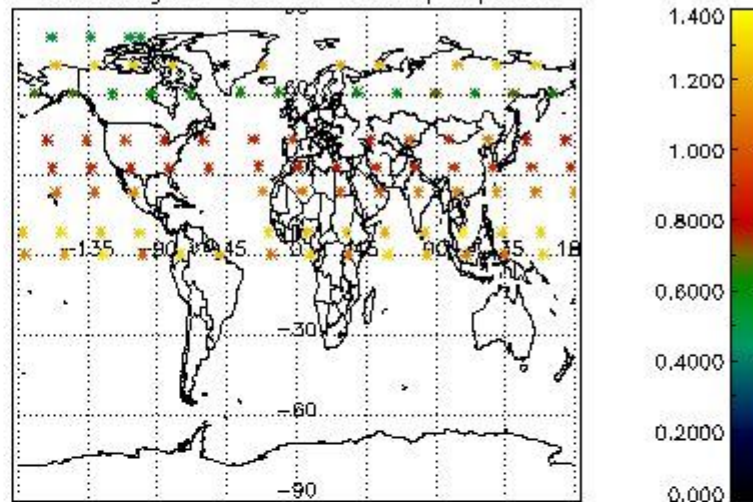
4.2 Plot quality information per product coming from level 1b processing (world map)

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

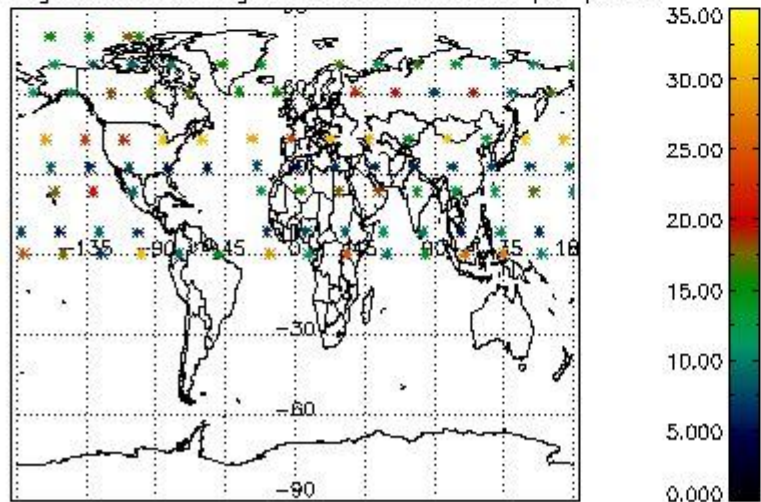
Percentage of cosmic ray hits per profile



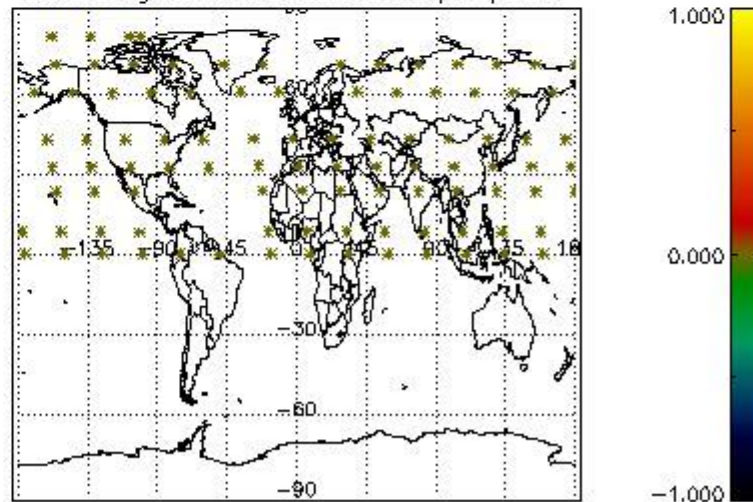
Percentage of datation errors per profile



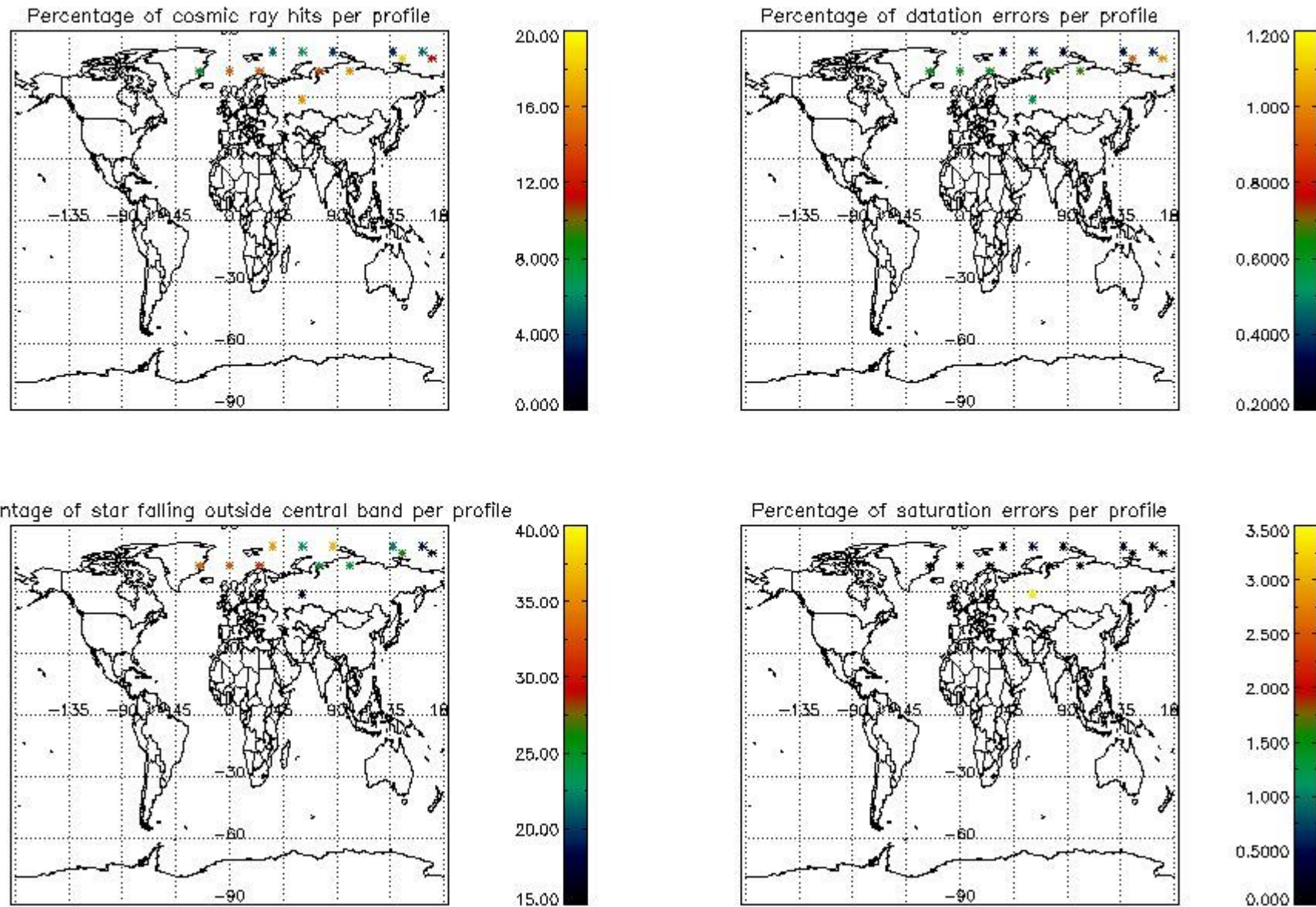
Percentage of star falling outside central band per profile



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

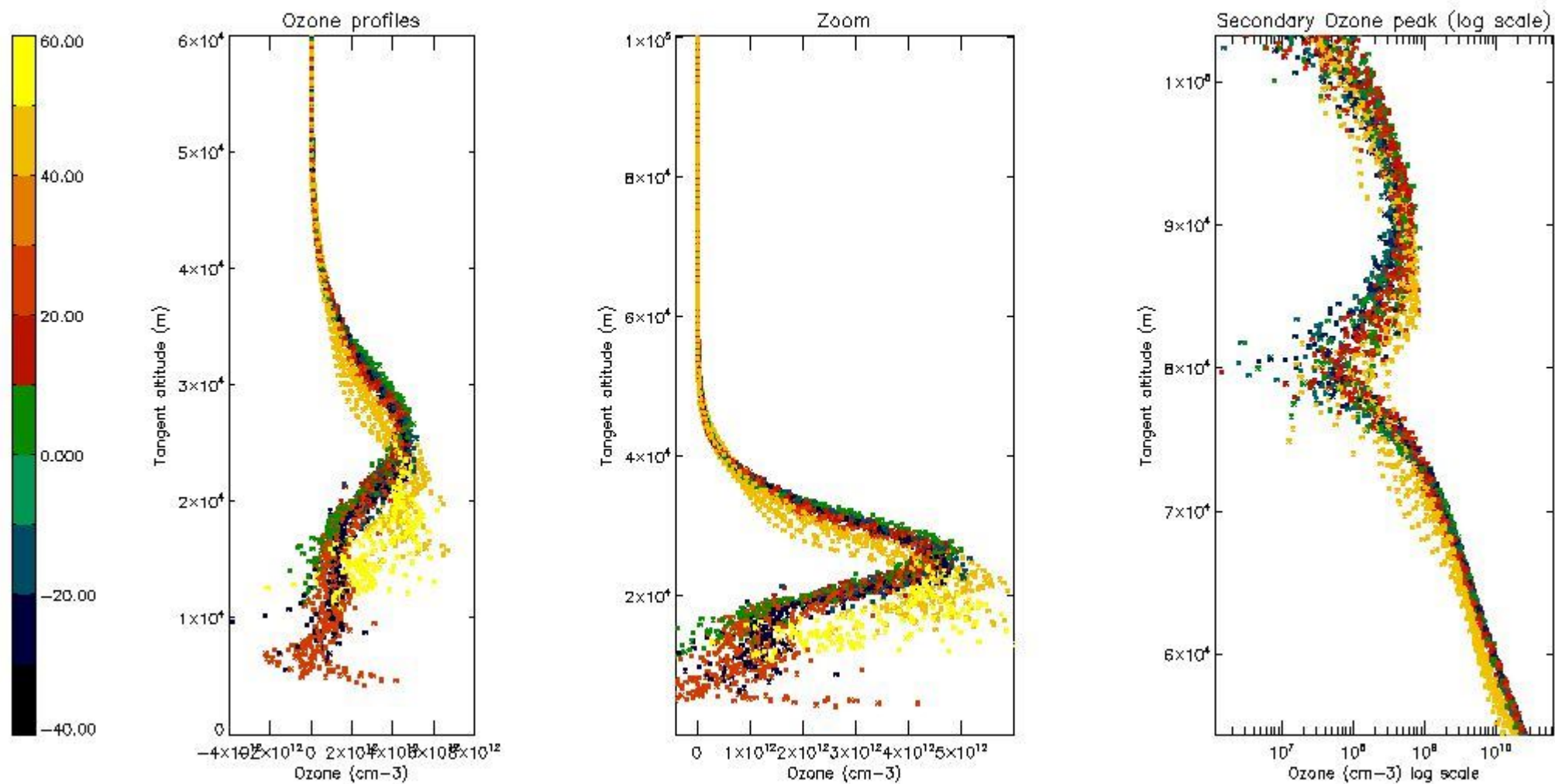
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	65
STD < 20	48

STD < 10	43
STD < 5	38

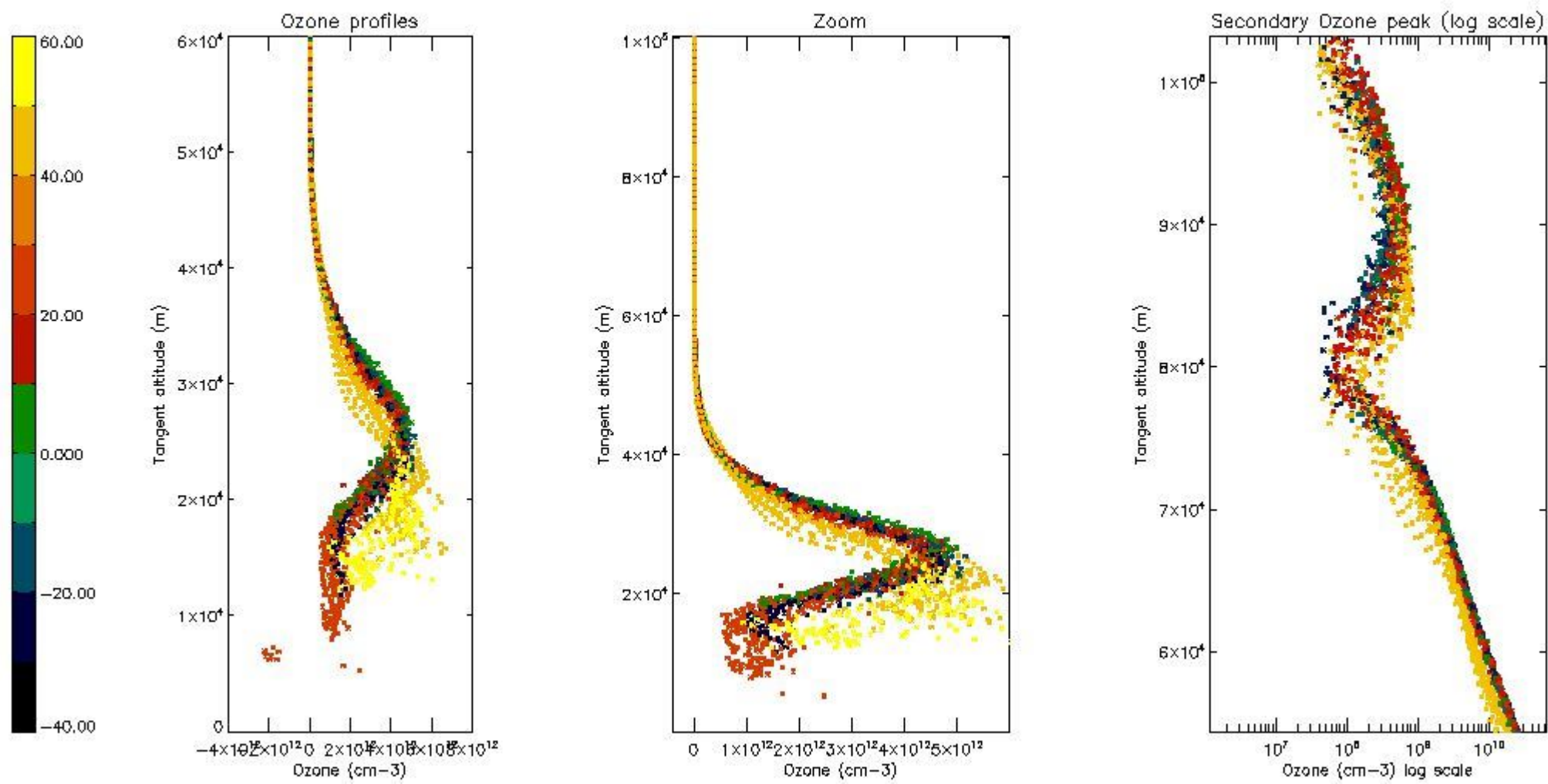
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



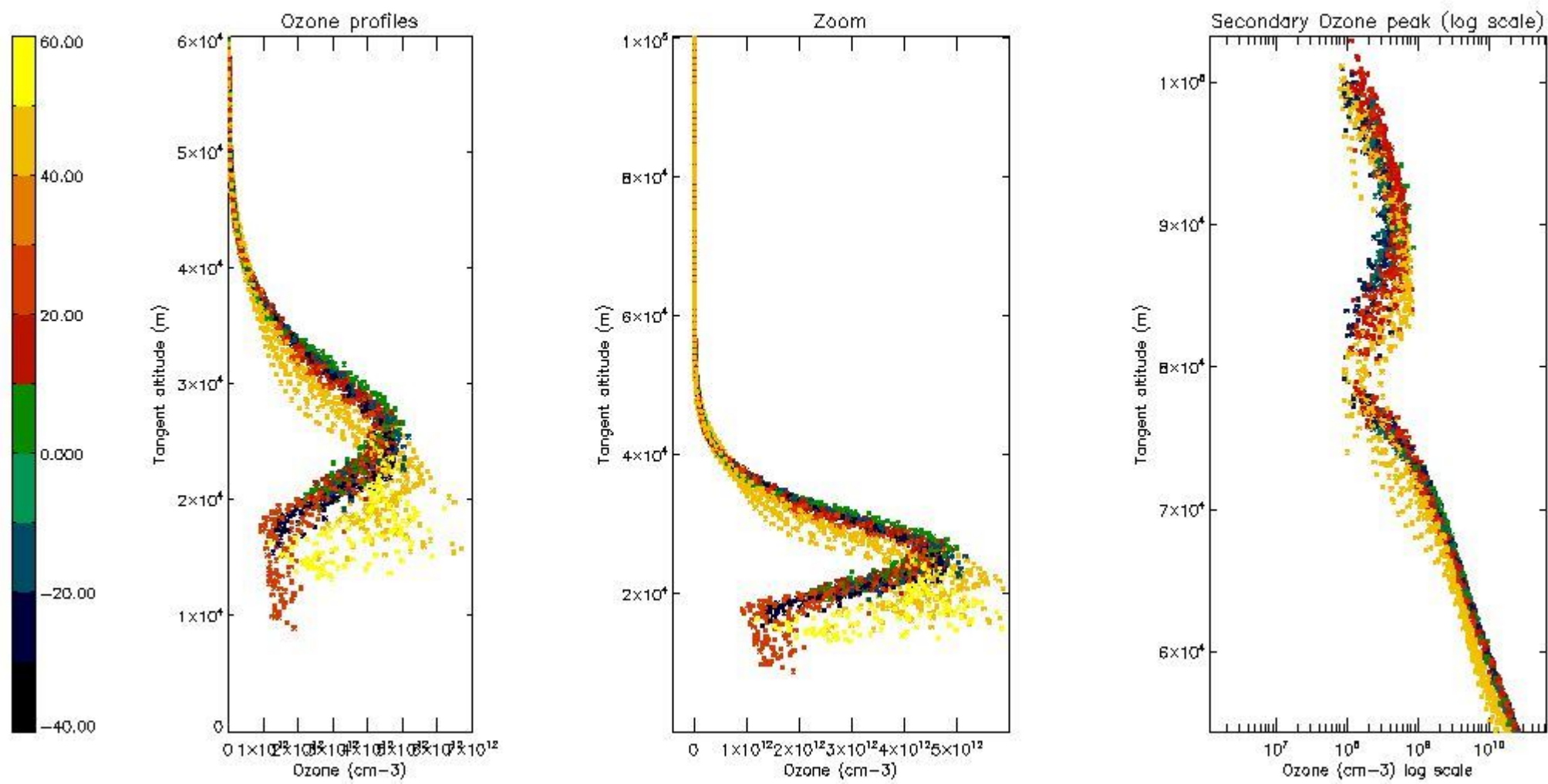
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



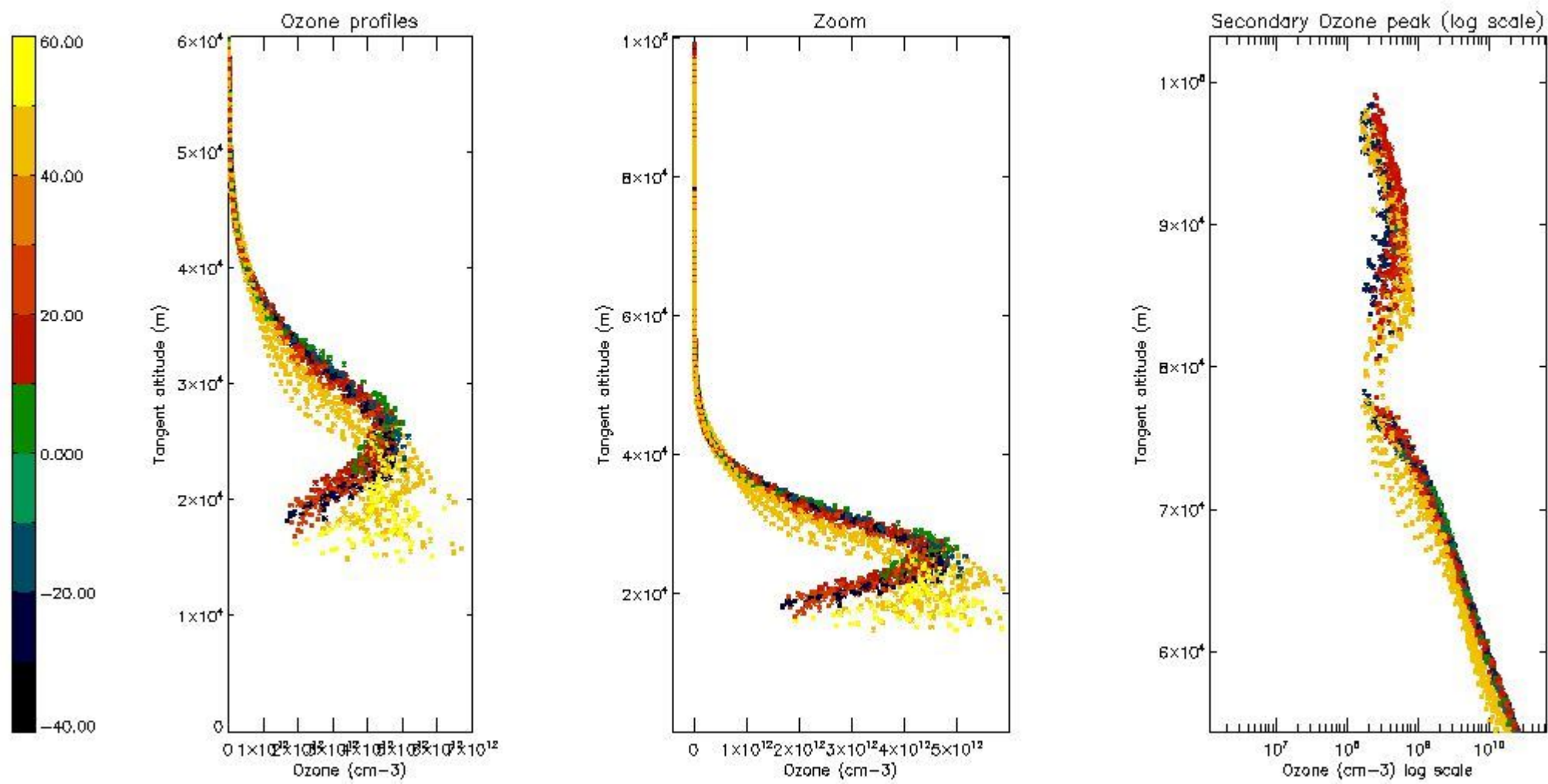
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



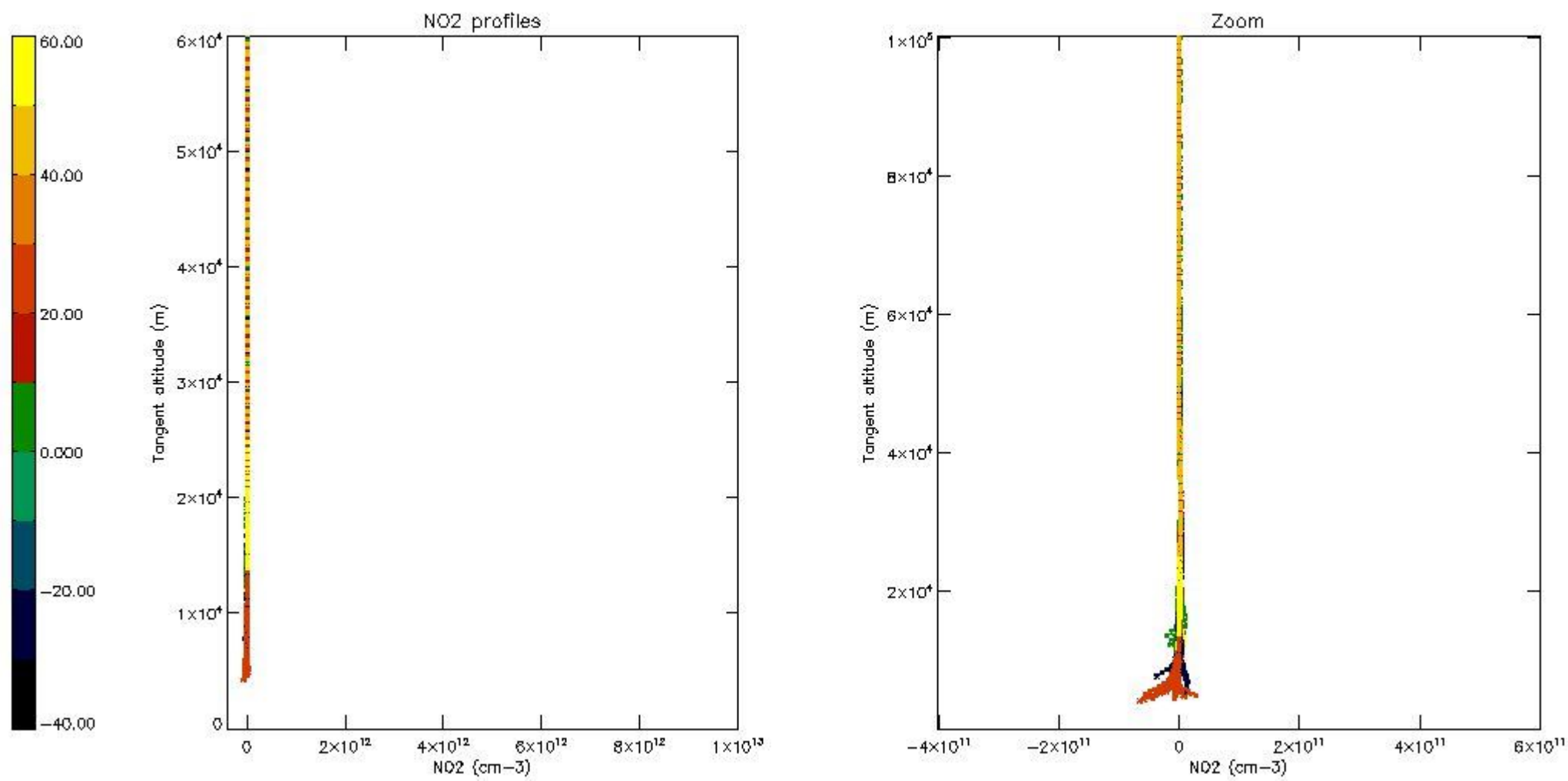
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



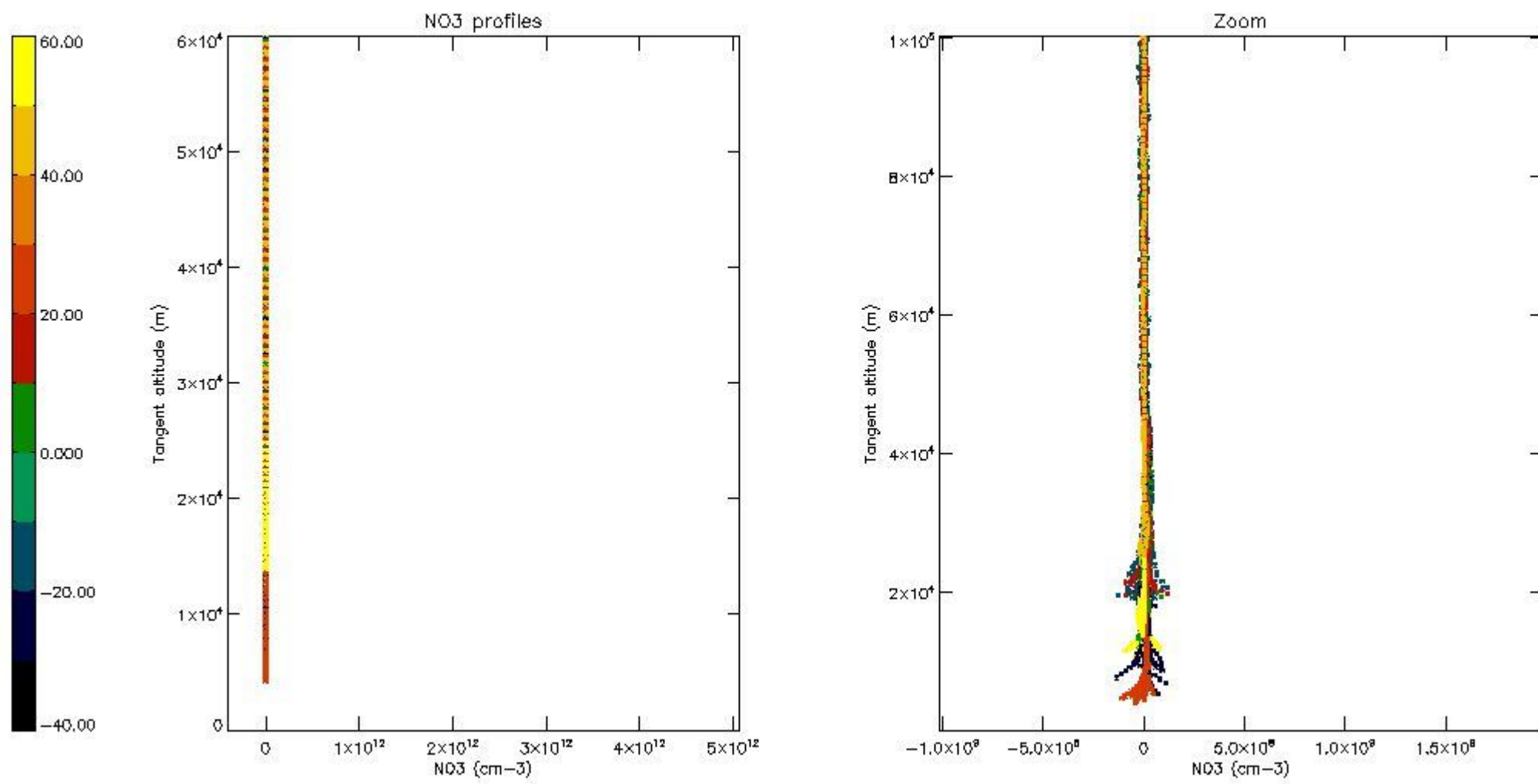
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



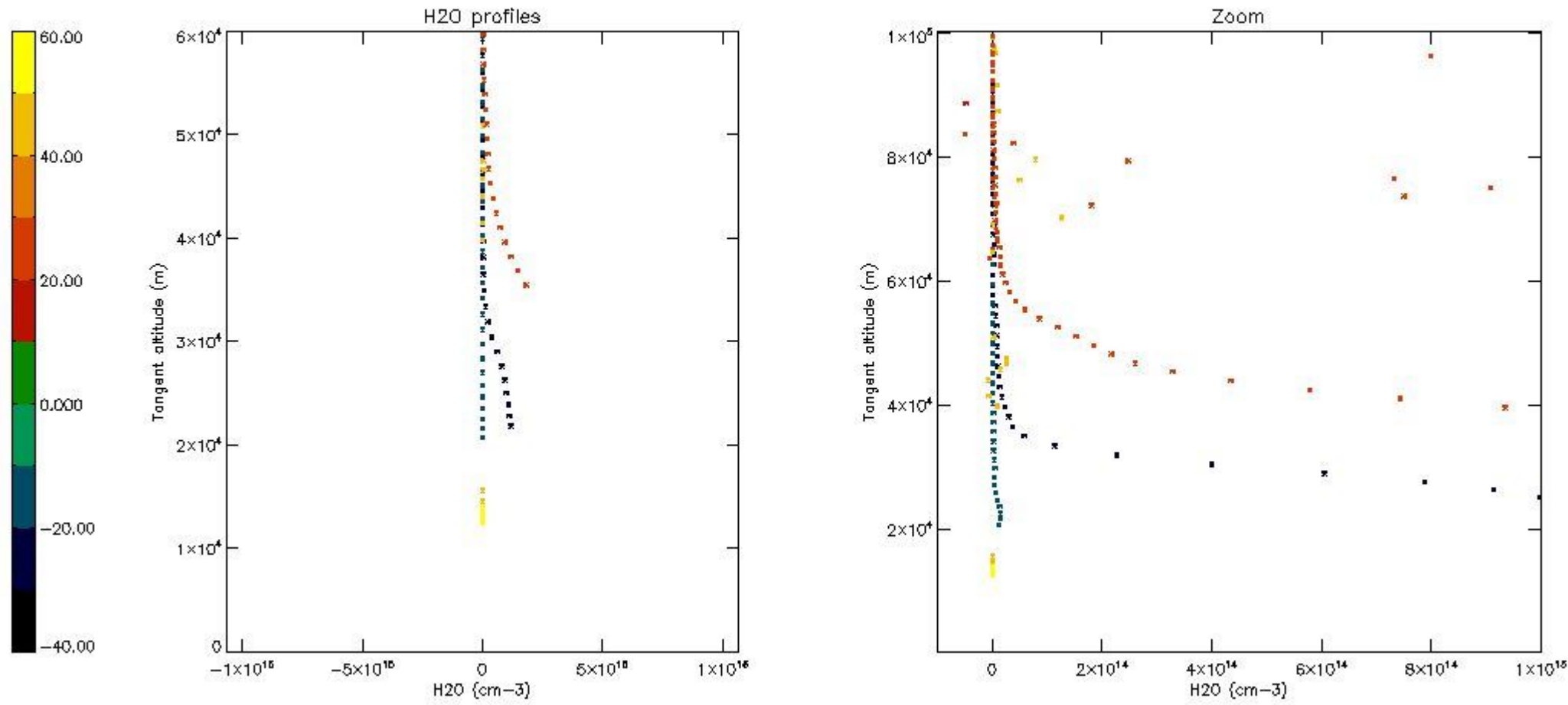
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

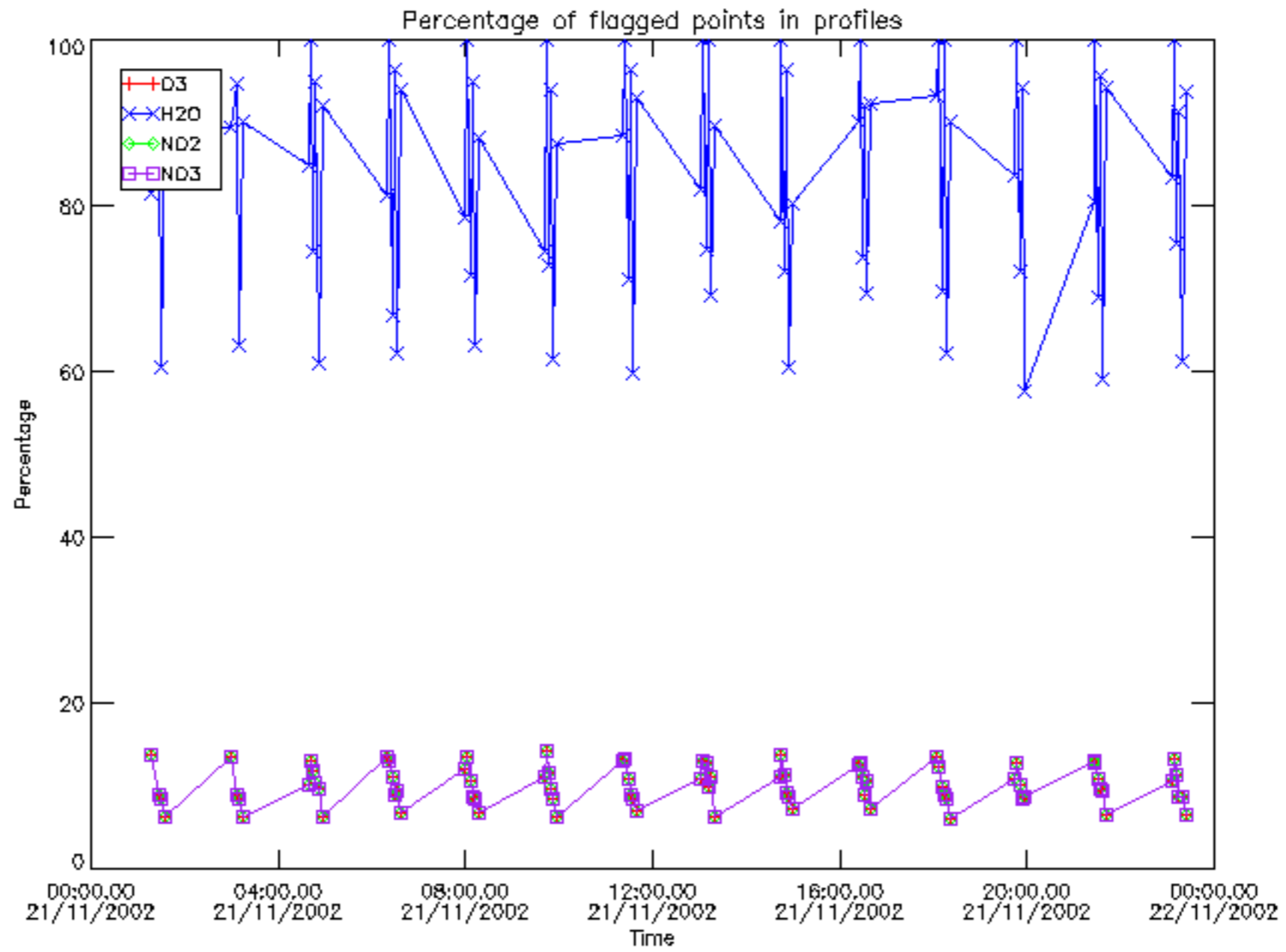
The colorbar represents the latitude.



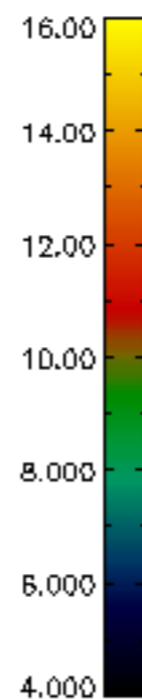
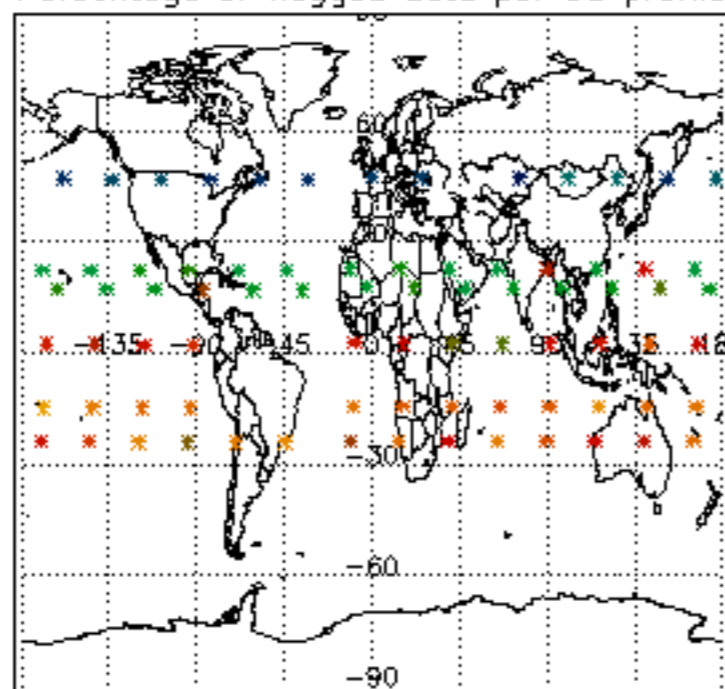
6. Auxiliary Data Files used for the production reported in section 2

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.

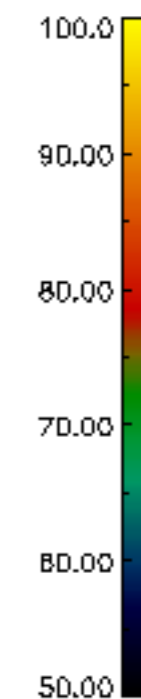
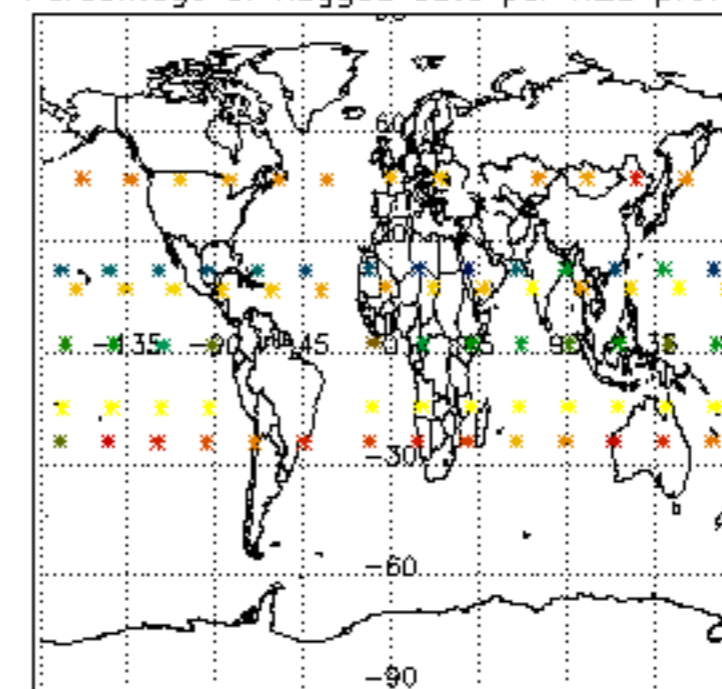
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150440_20020301_000000_20100101_000000	1	21-NOV-2002 00:01:52
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	21-NOV-2002 00:01:52
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	21-NOV-2002 00:01:52



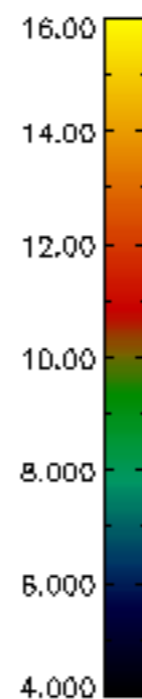
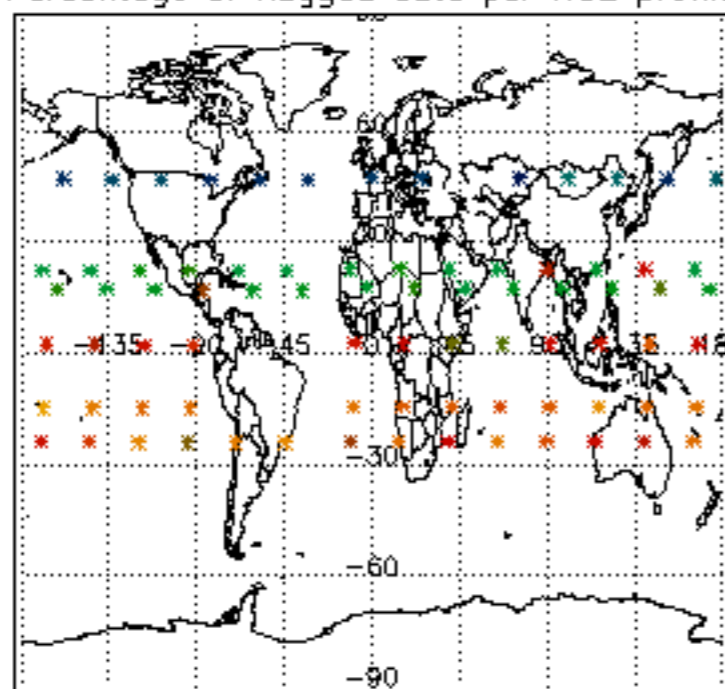
Percentage of flagged data per D3 profile



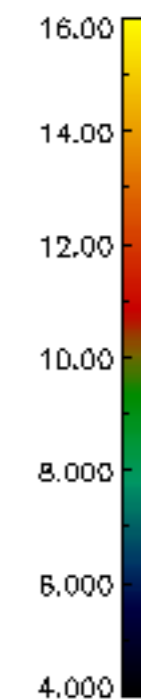
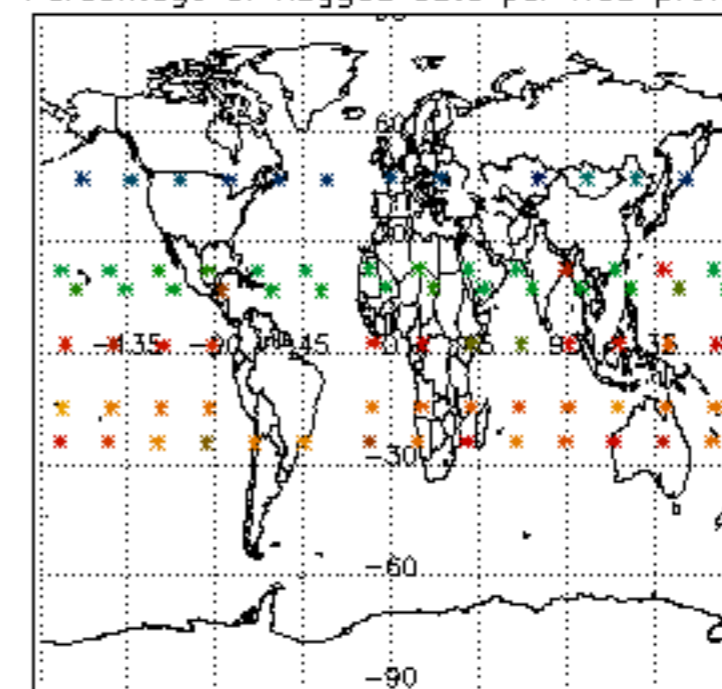
Percentage of flagged data per H2O profile

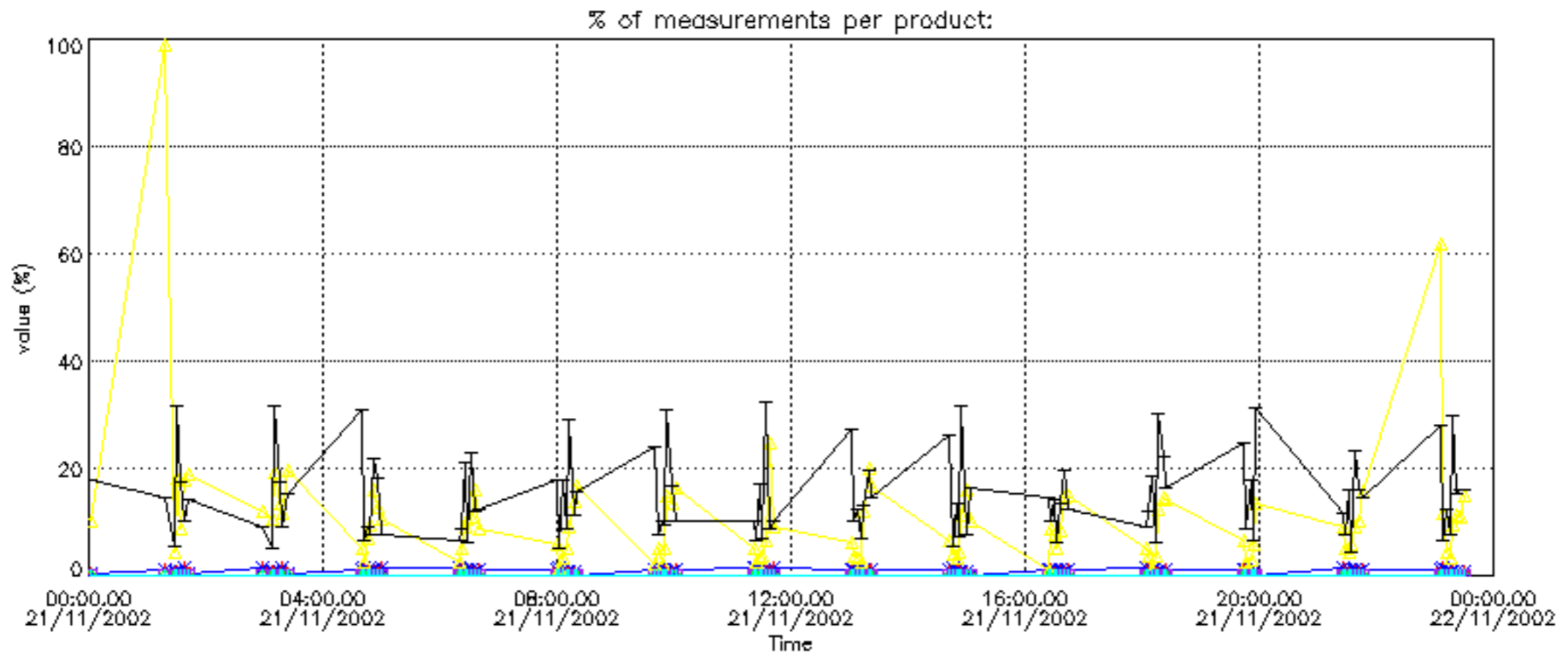


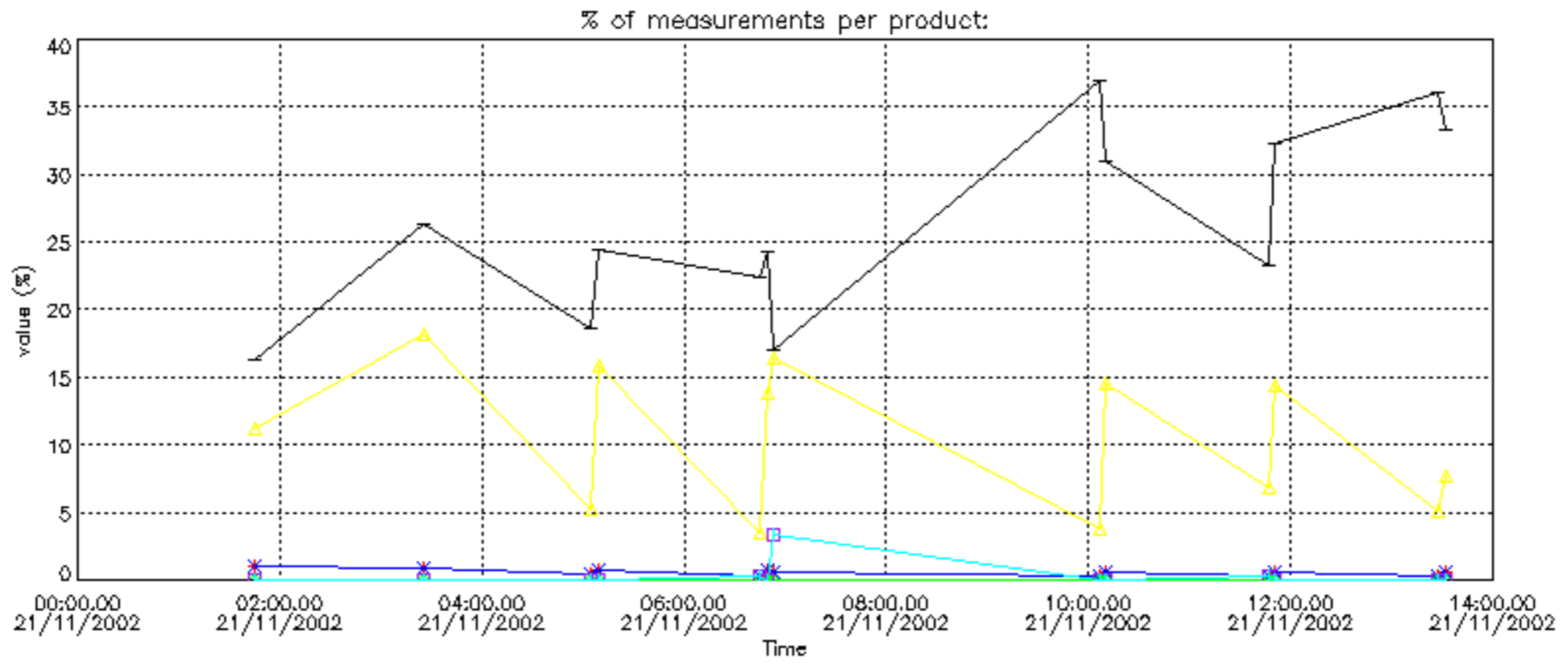
Percentage of flagged data per NO2 profile



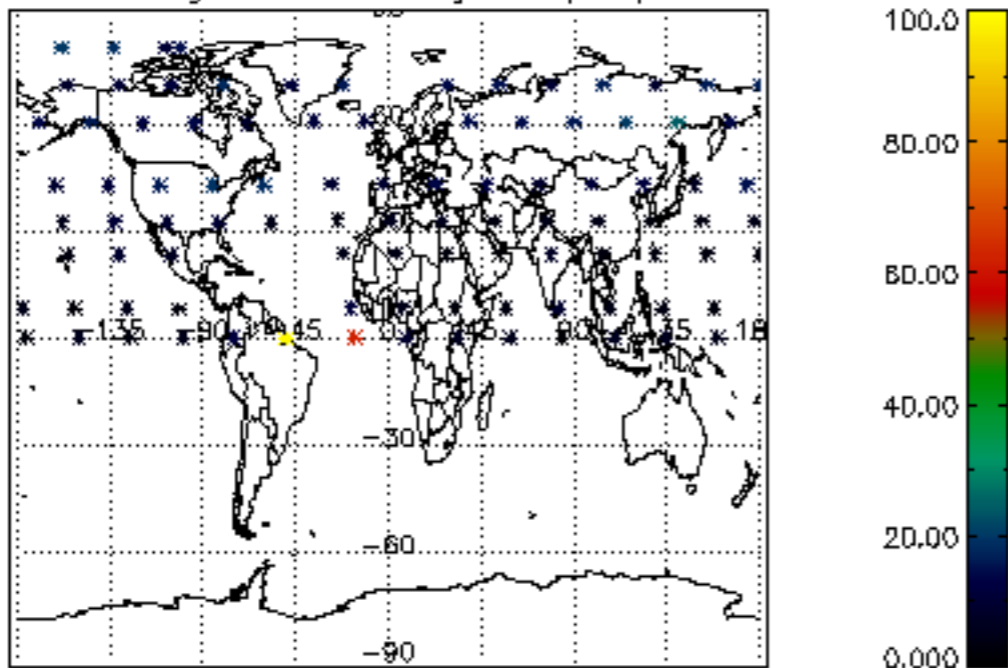
Percentage of flagged data per NO3 profile



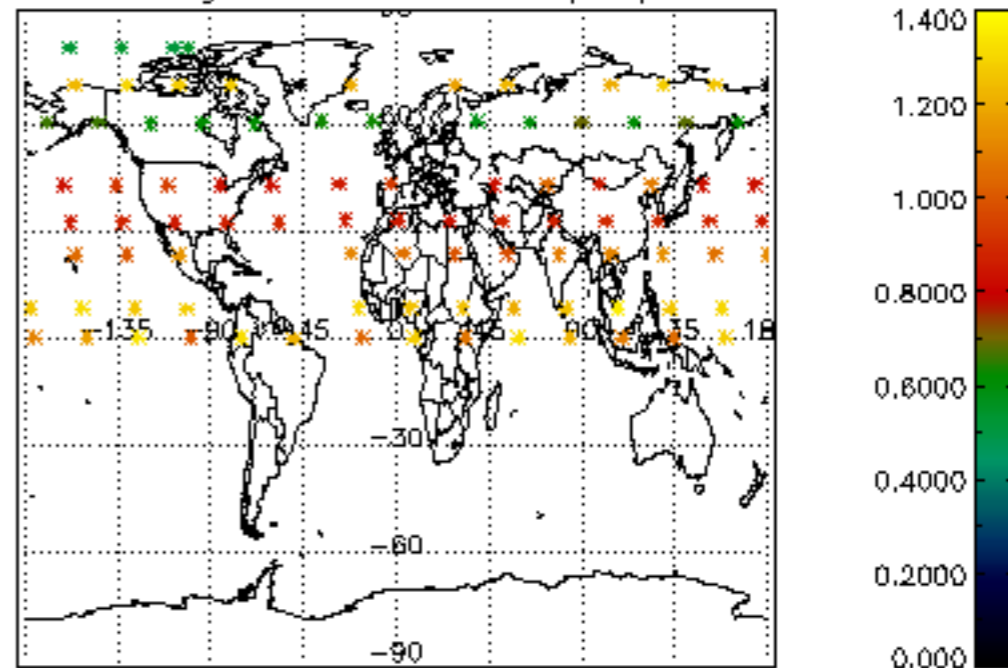




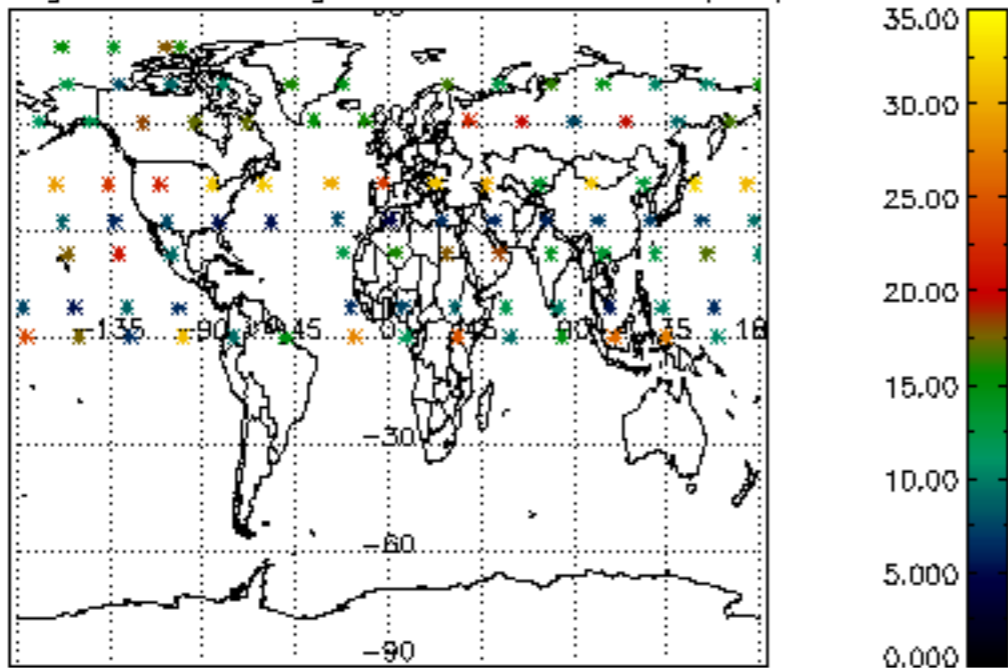
Percentage of cosmic ray hits per profile



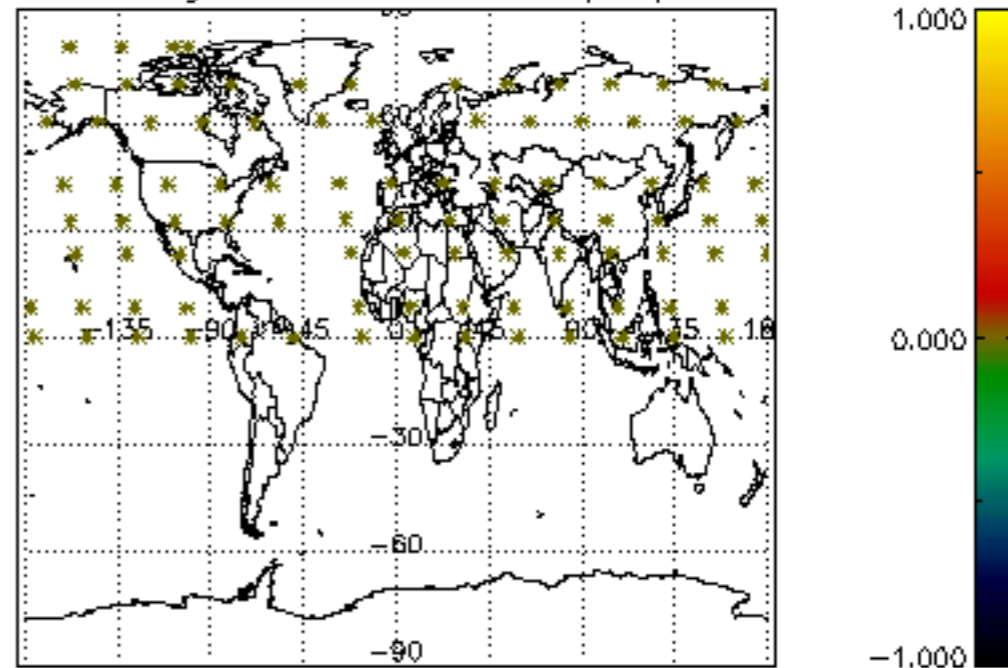
Percentage of datation errors per profile



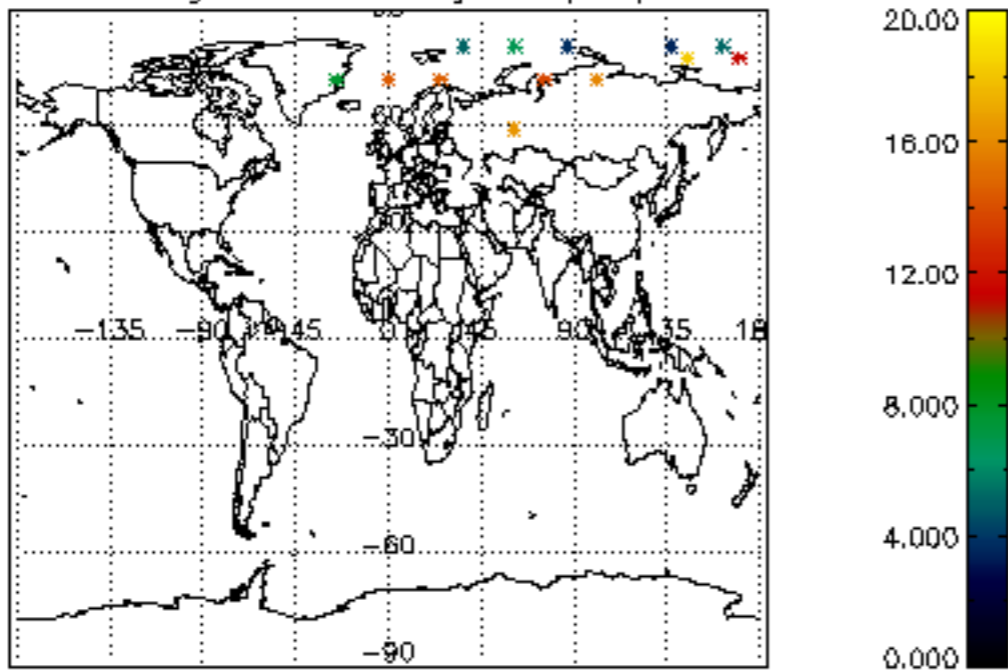
Percentage of star falling outside central band per profile



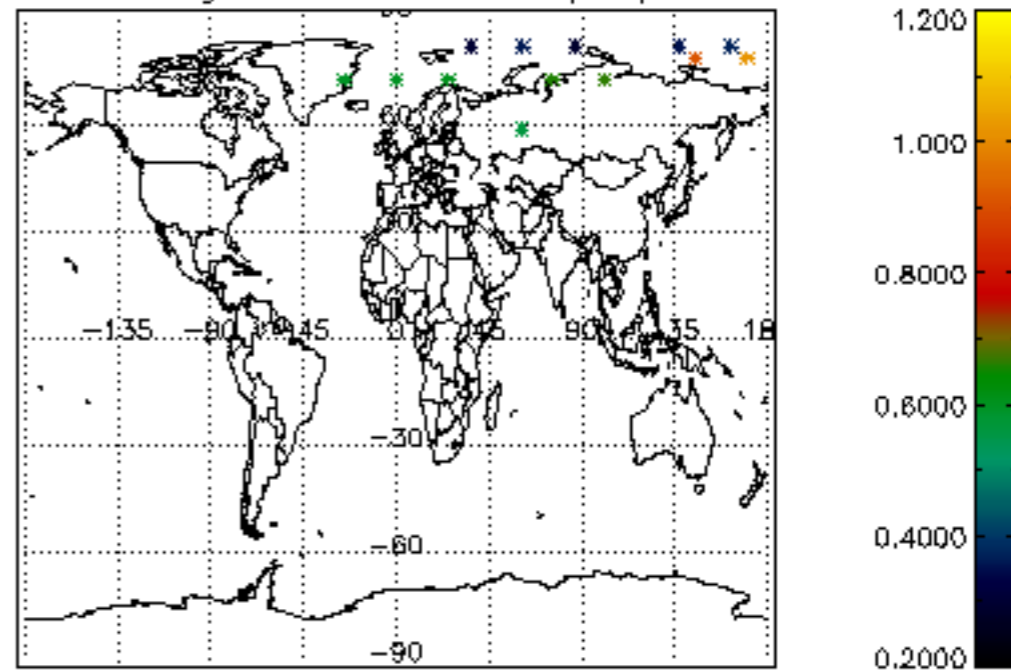
Percentage of saturation errors per profile



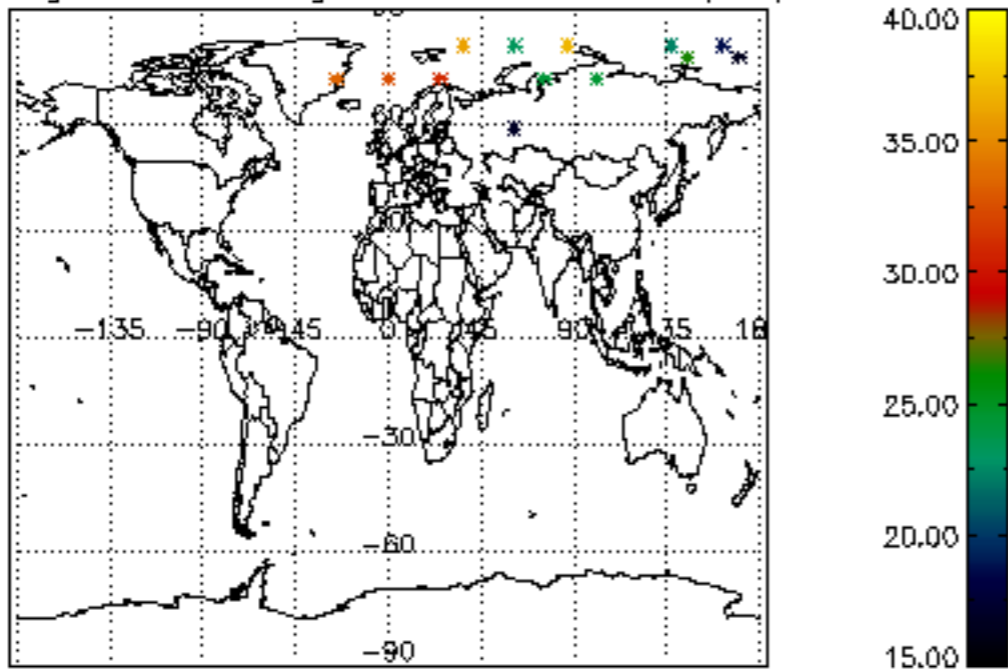
Percentage of cosmic ray hits per profile



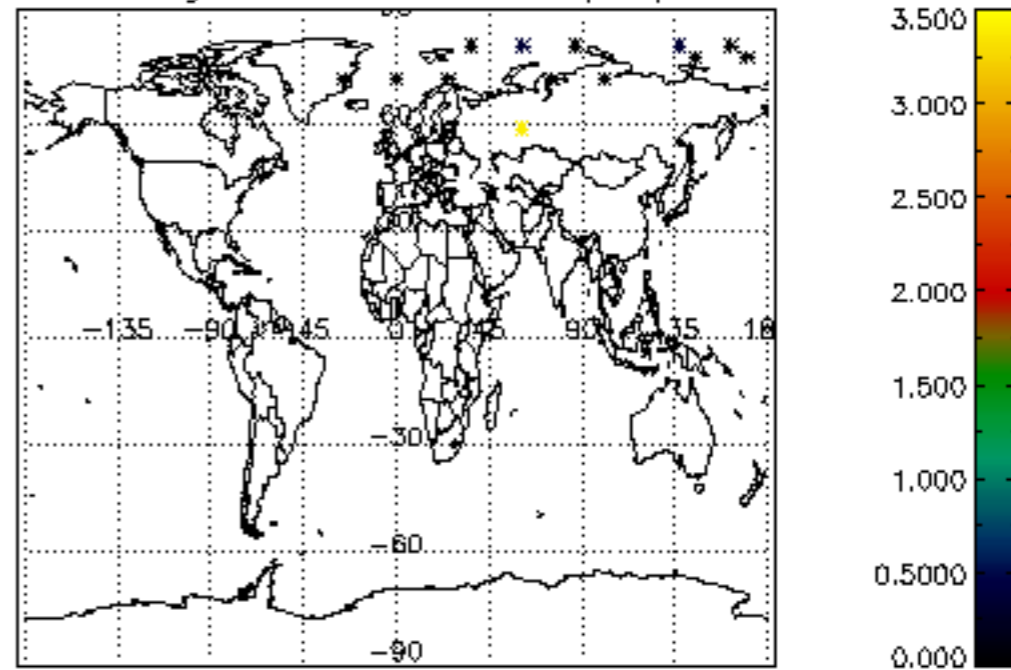
Percentage of datation errors per profile

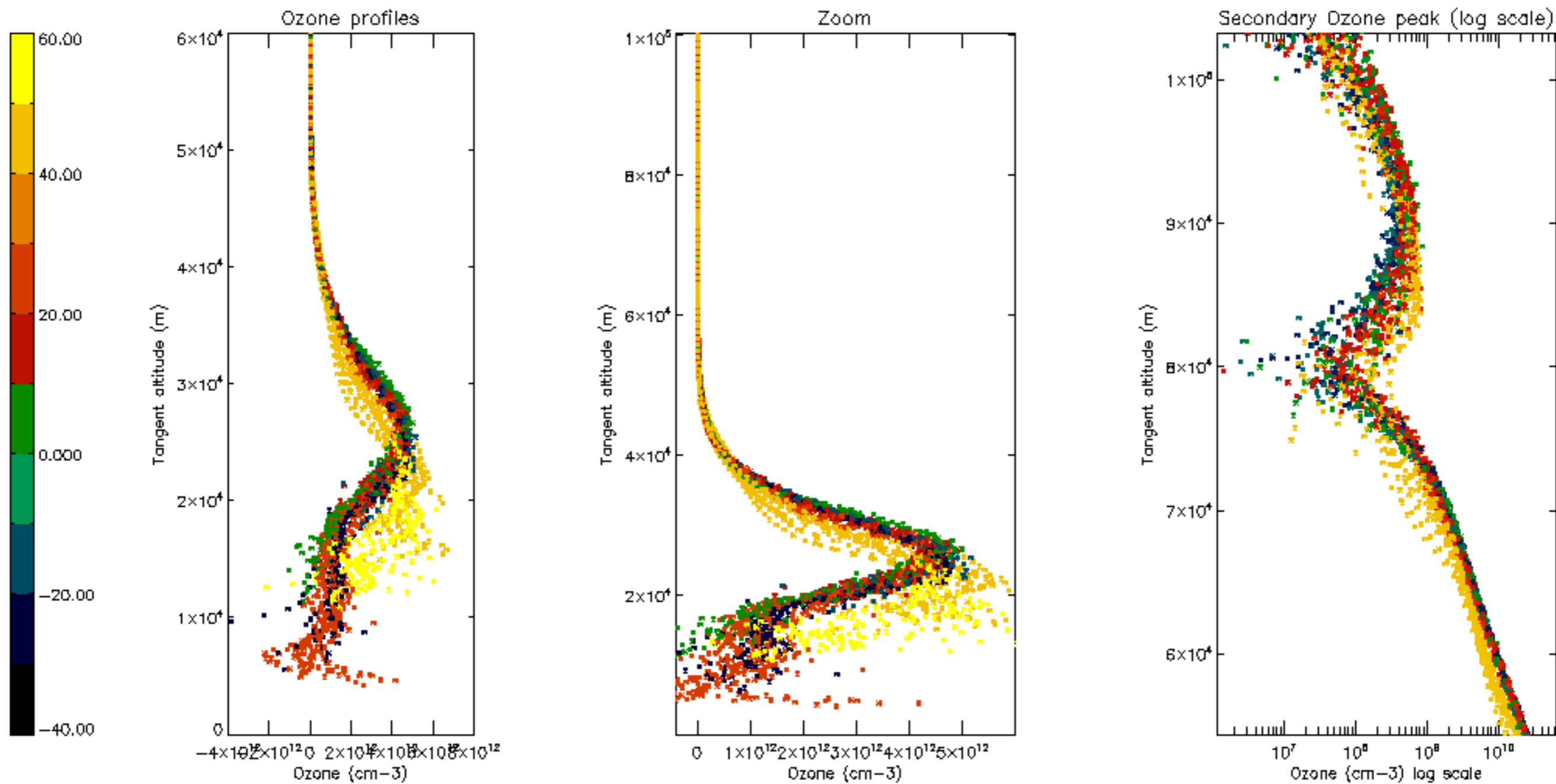


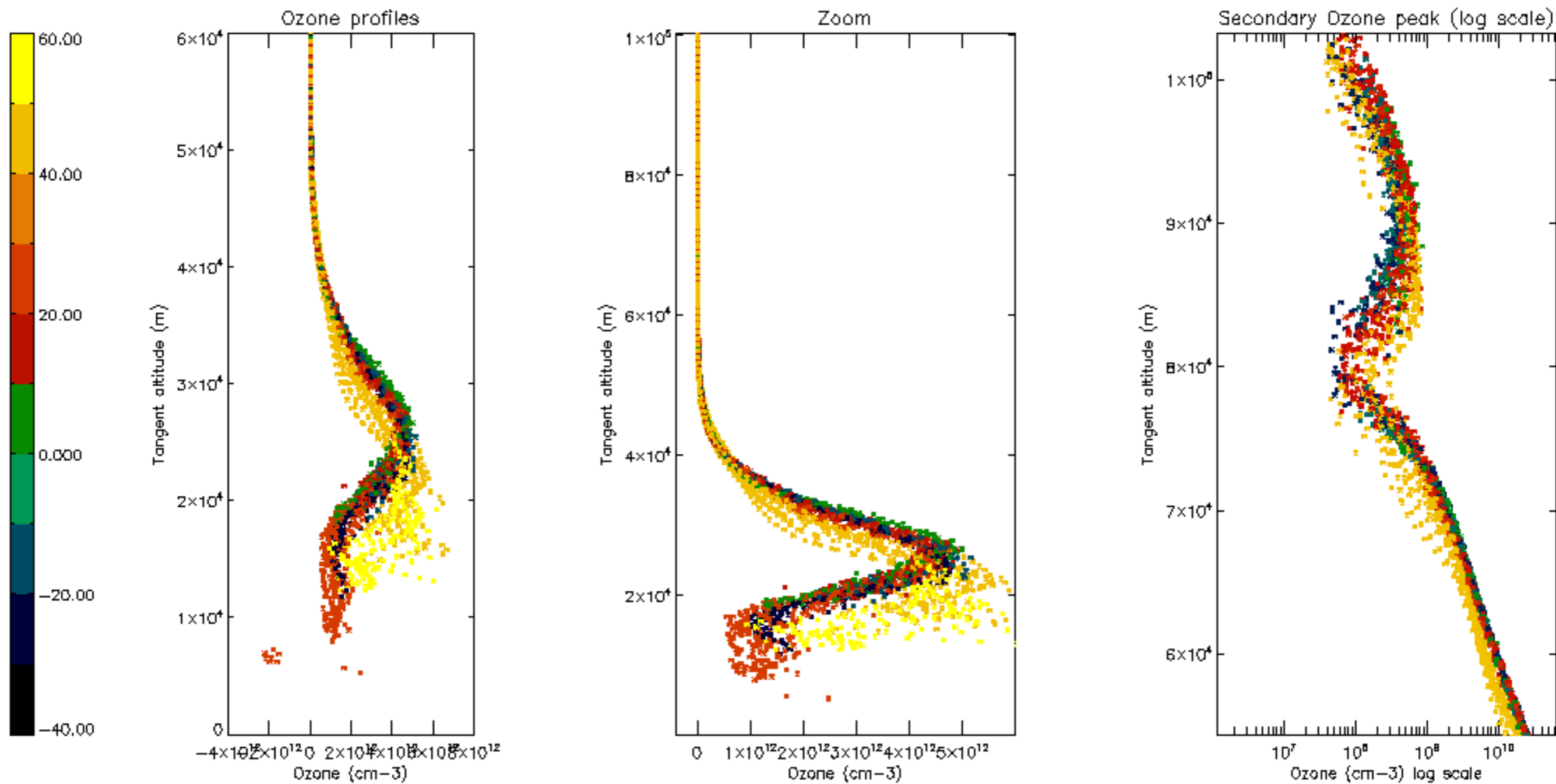
Percentage of star falling outside central band per profile

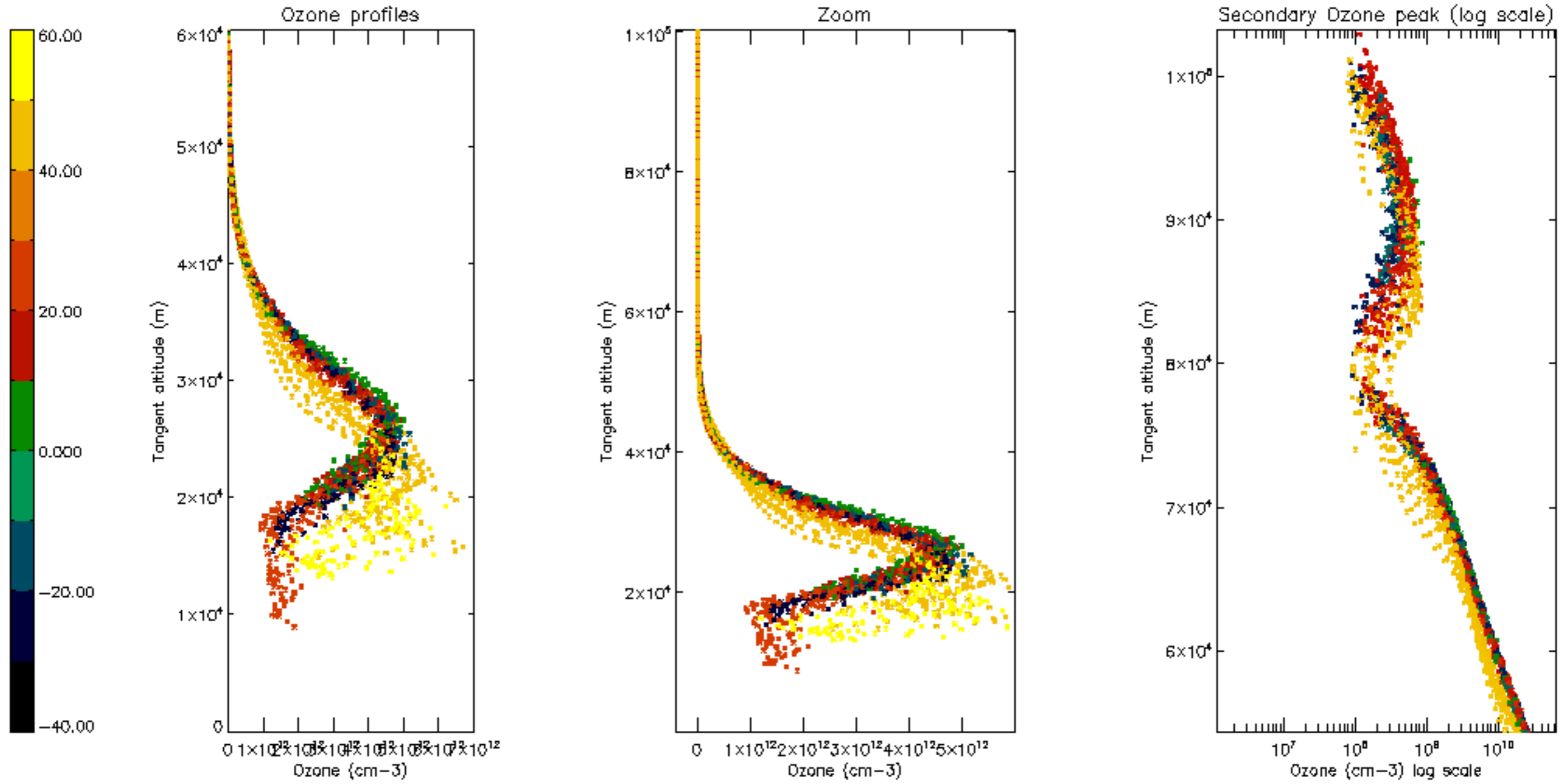


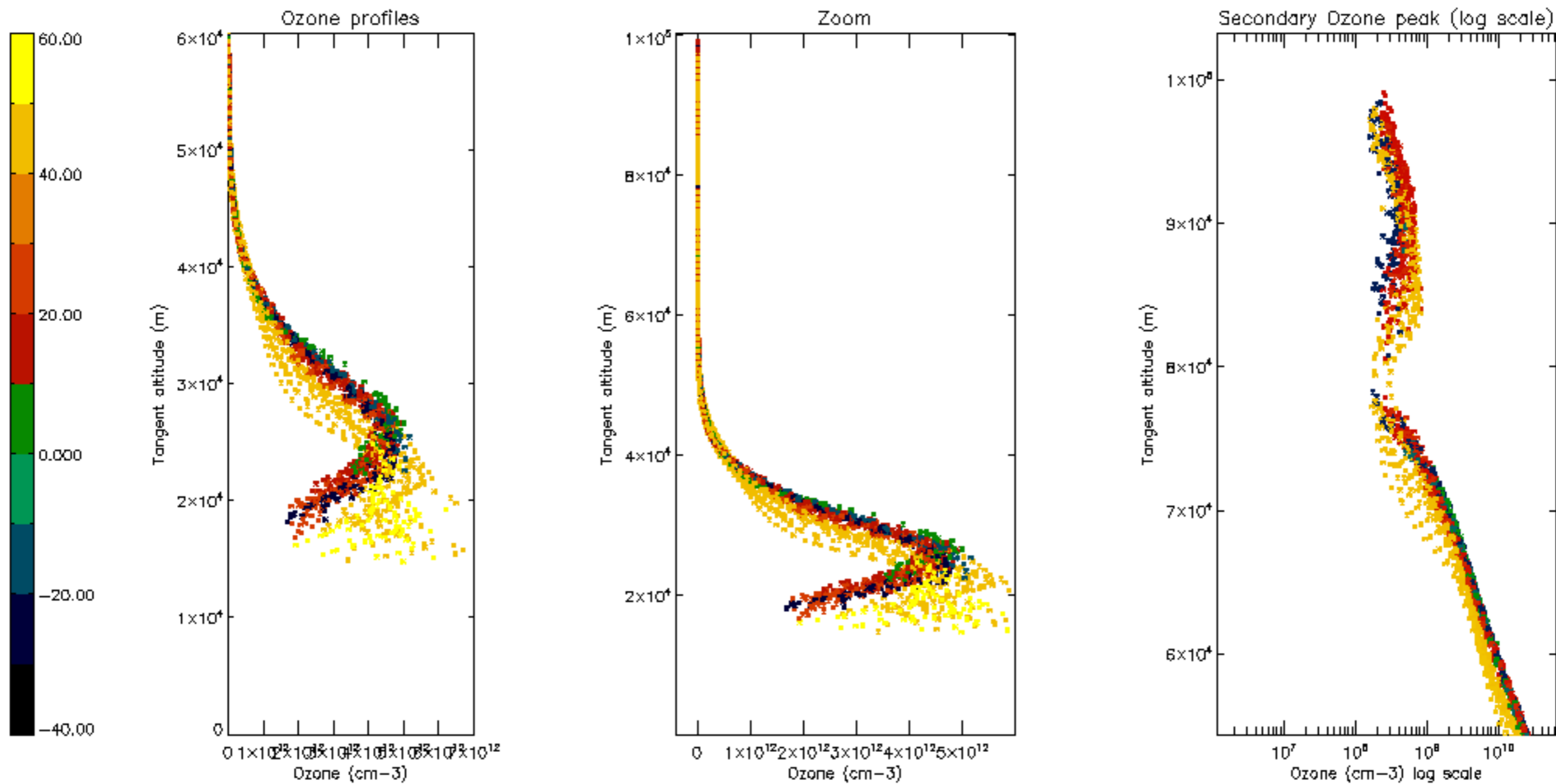
Percentage of saturation errors per profile

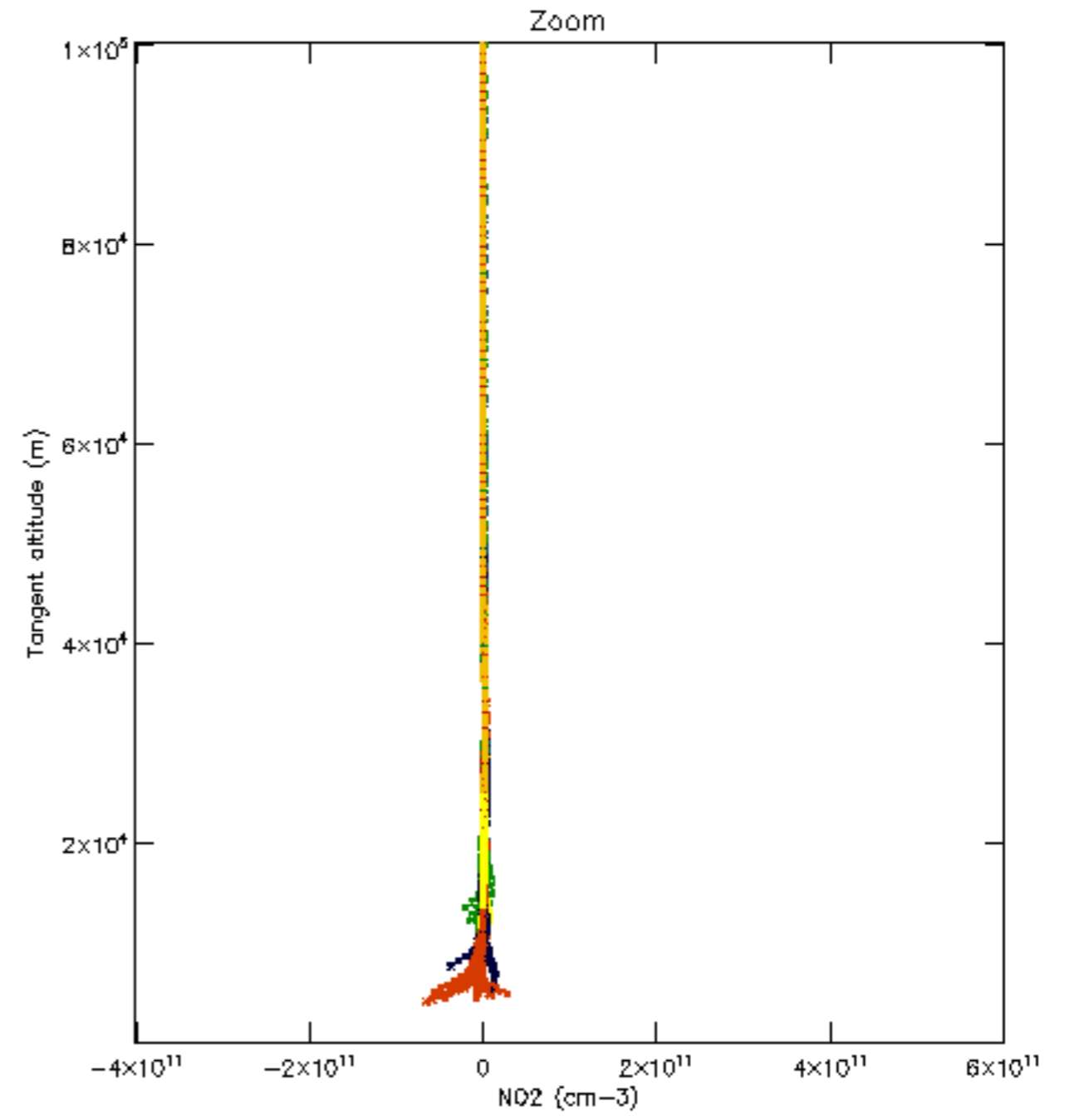
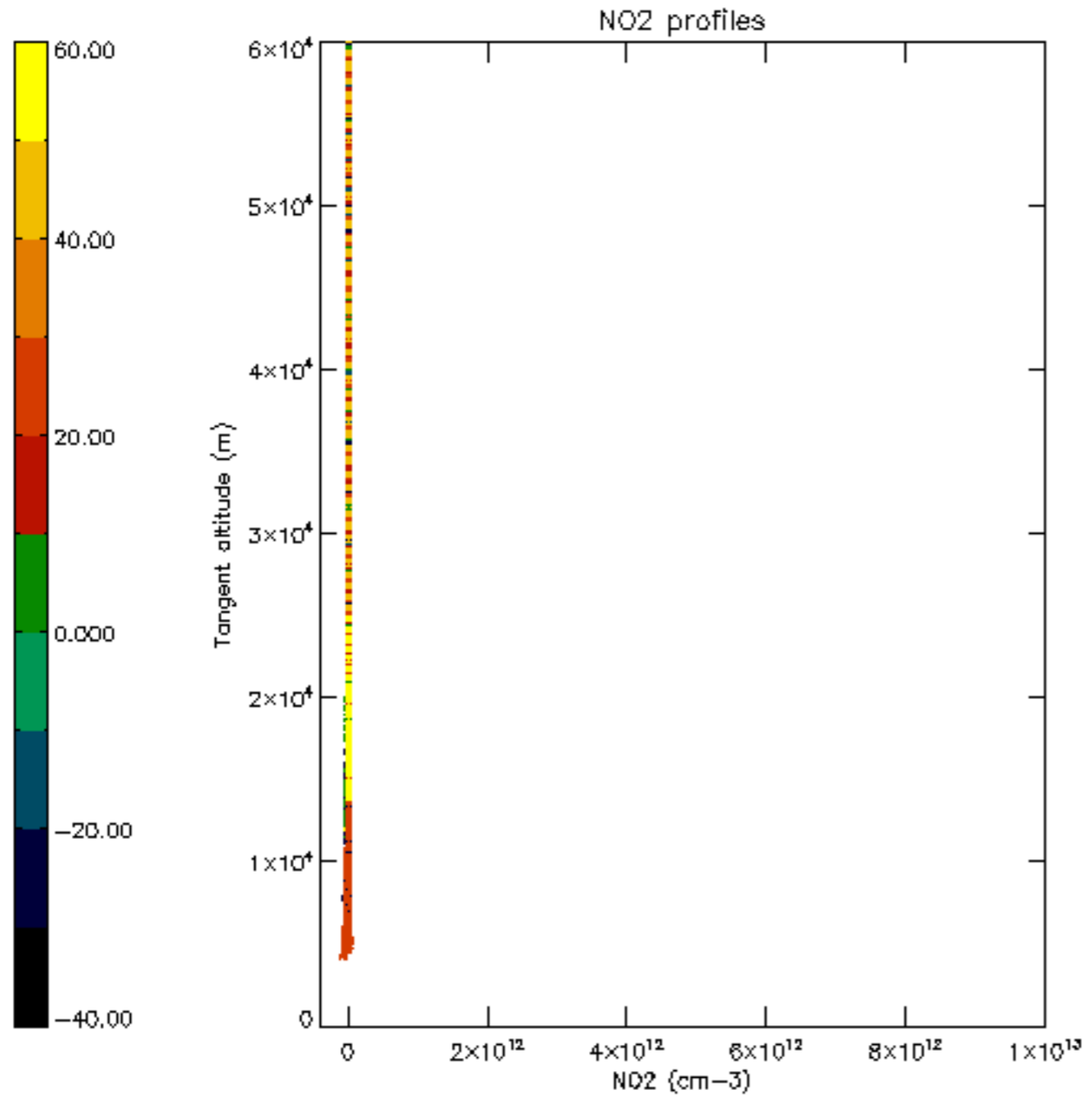


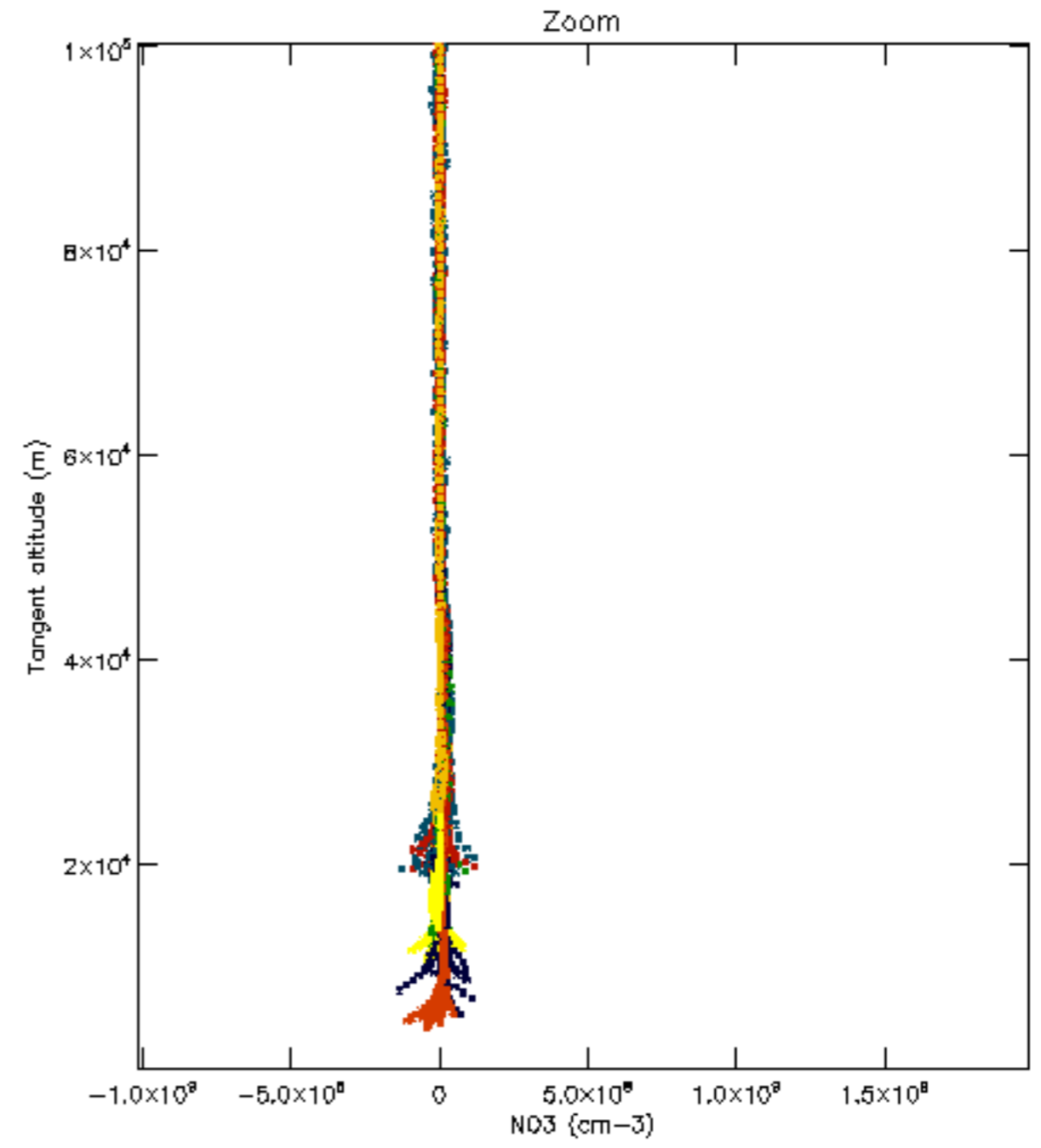
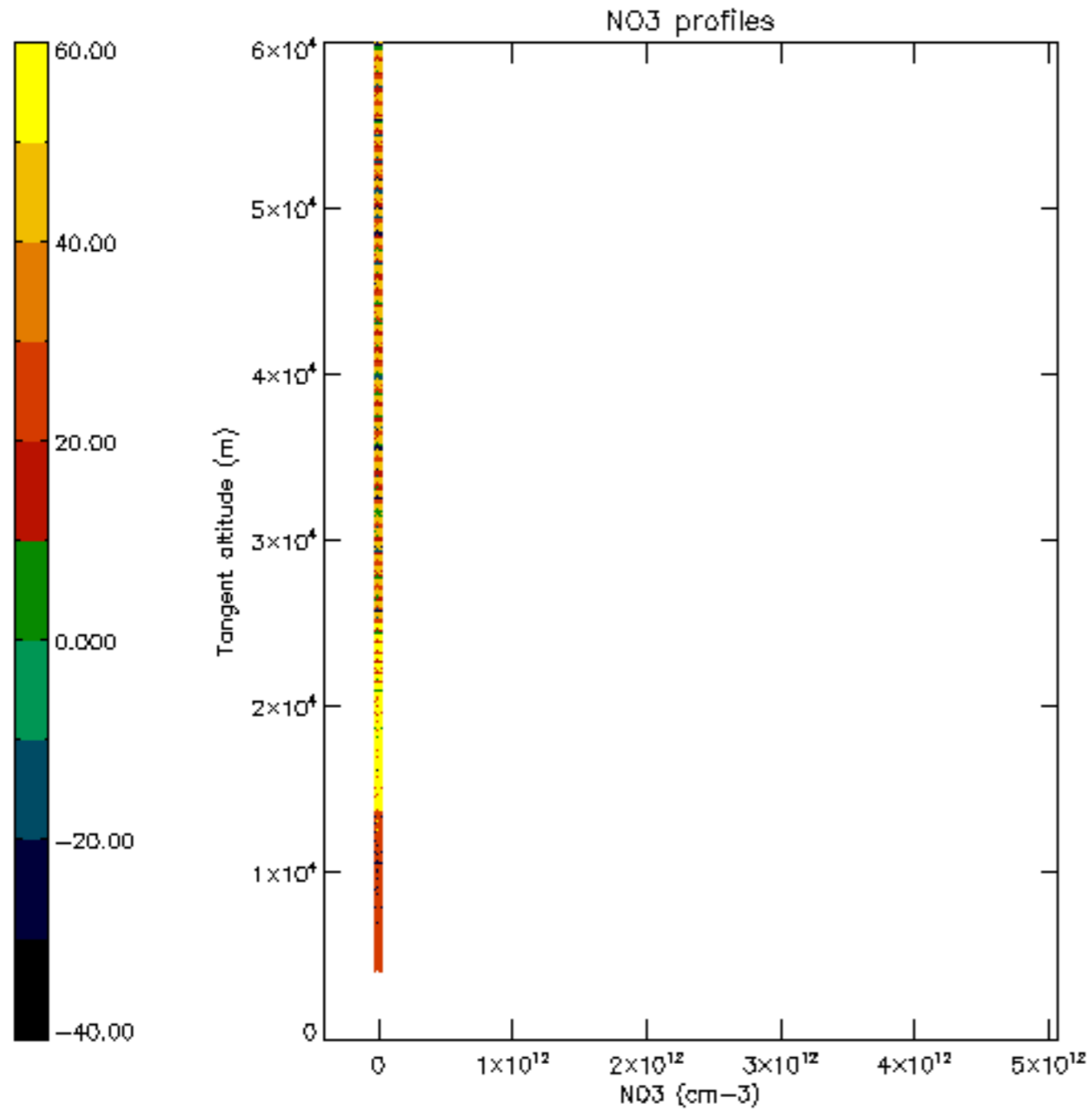


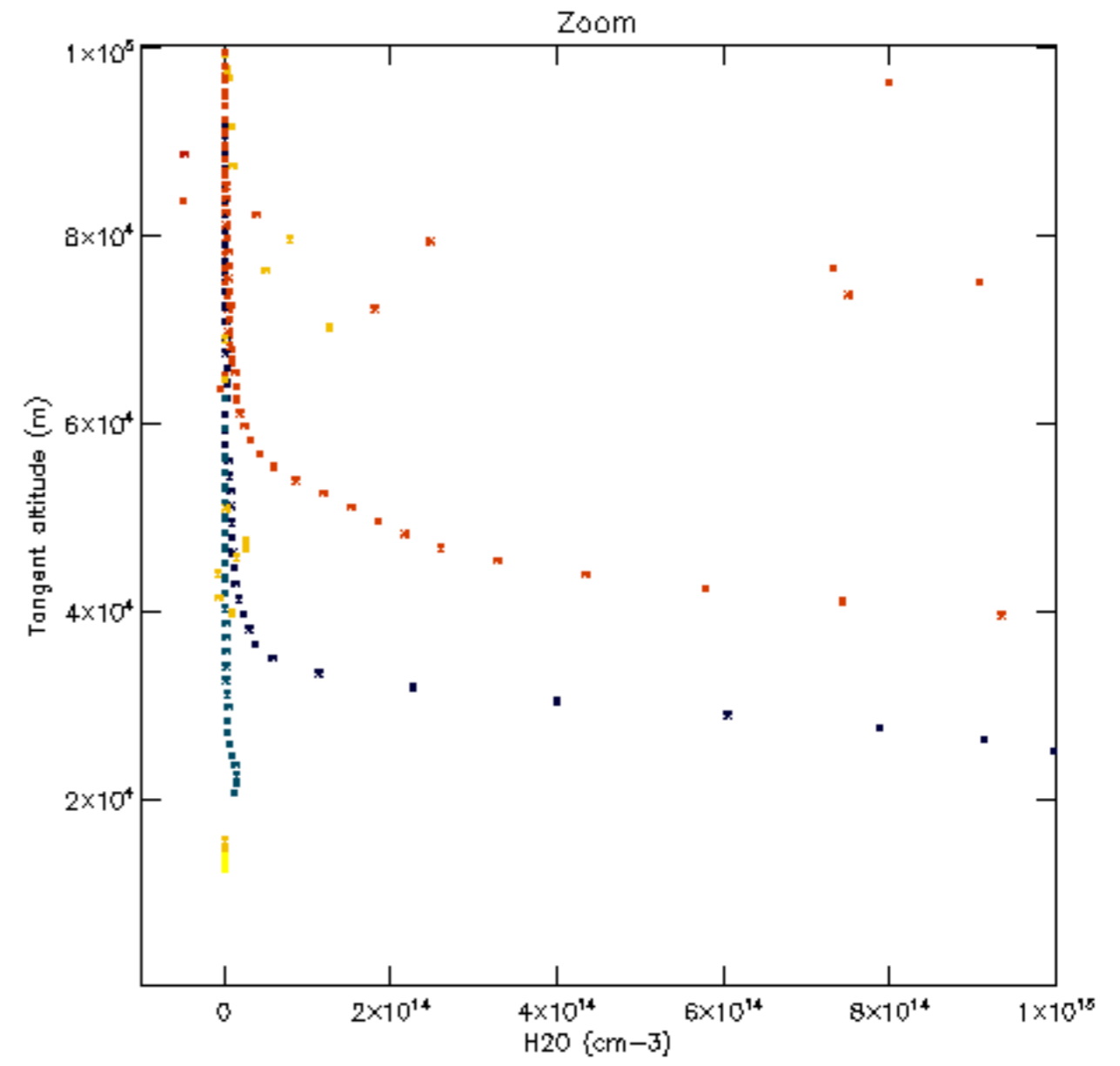
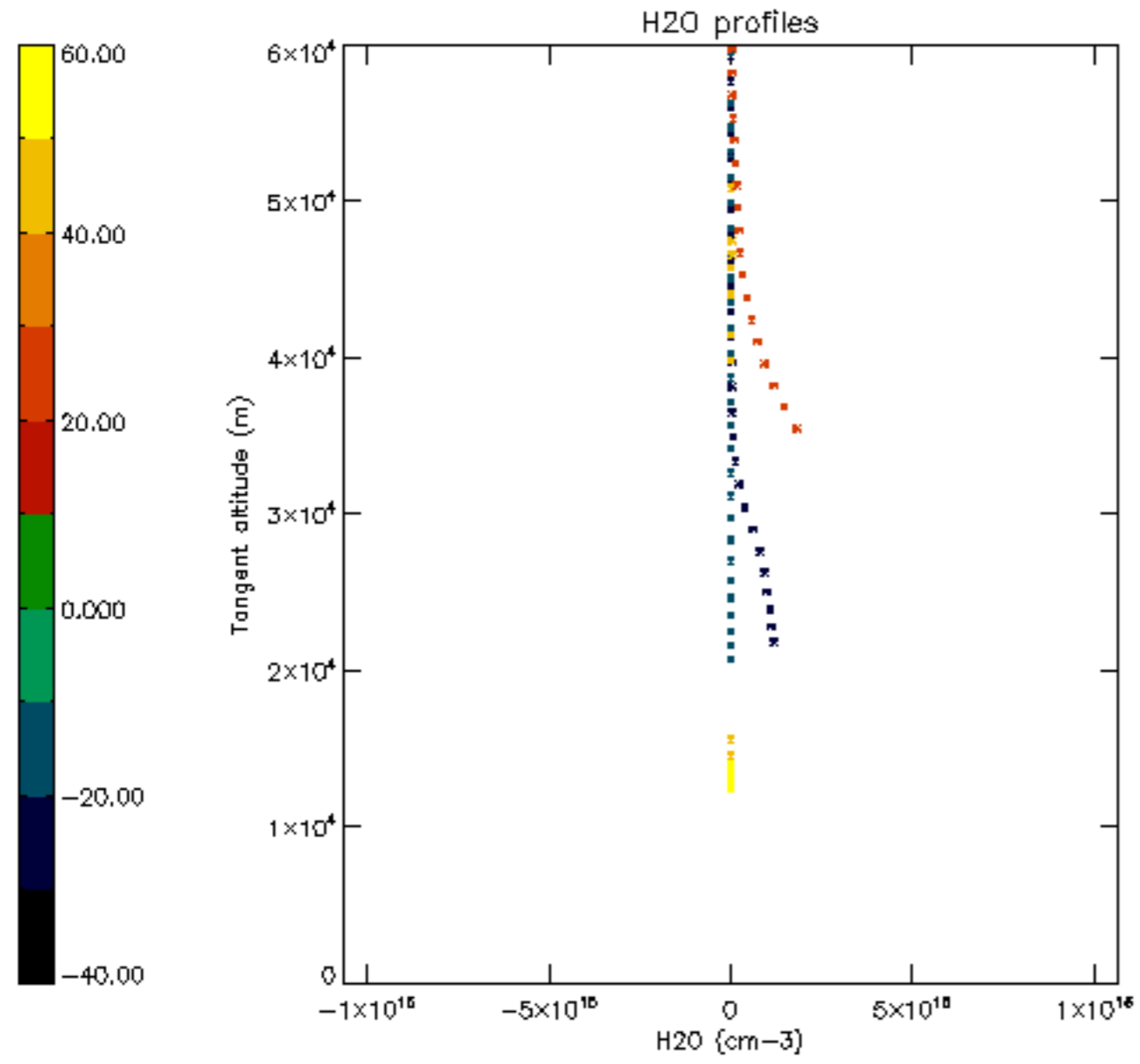


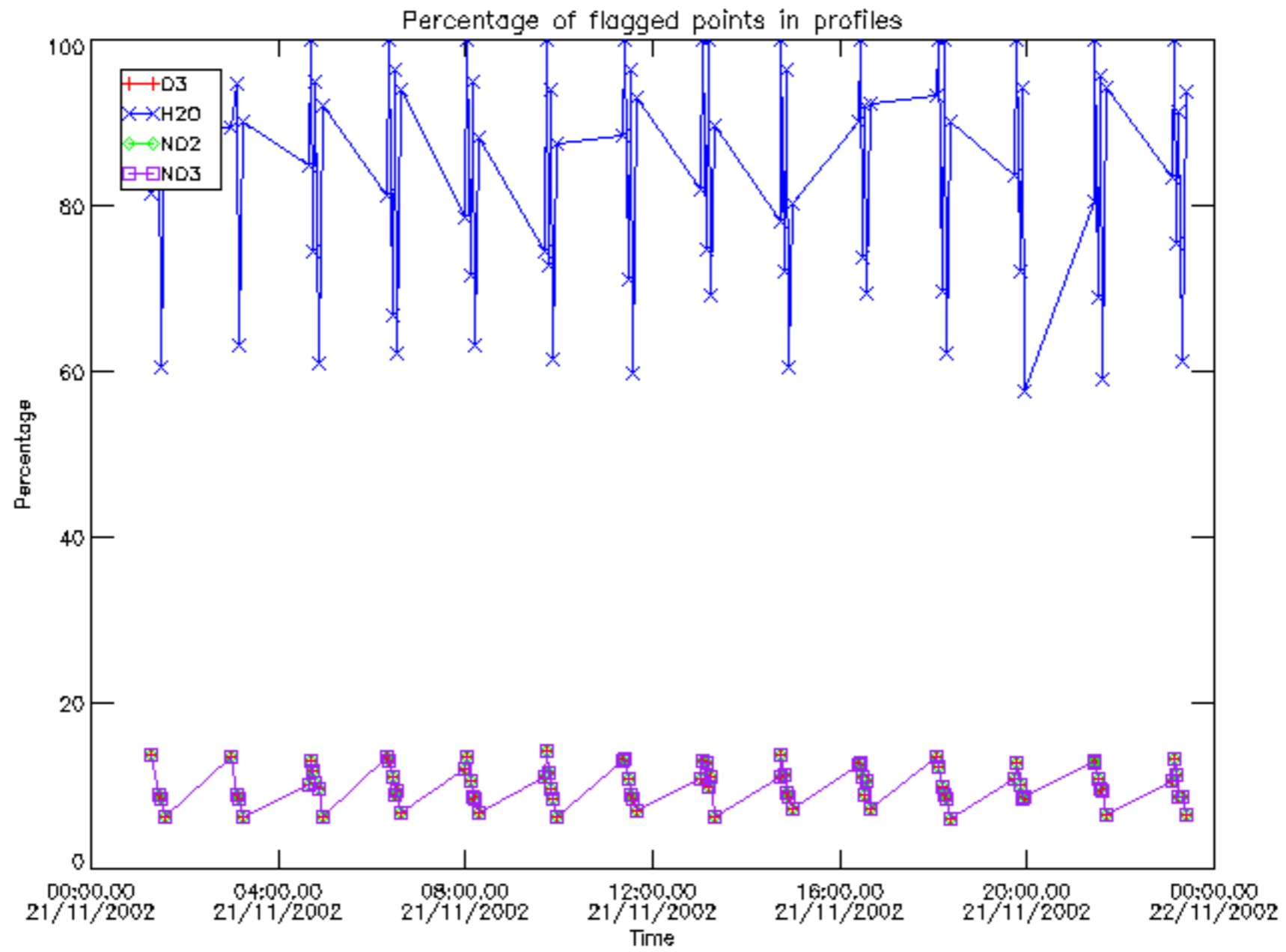




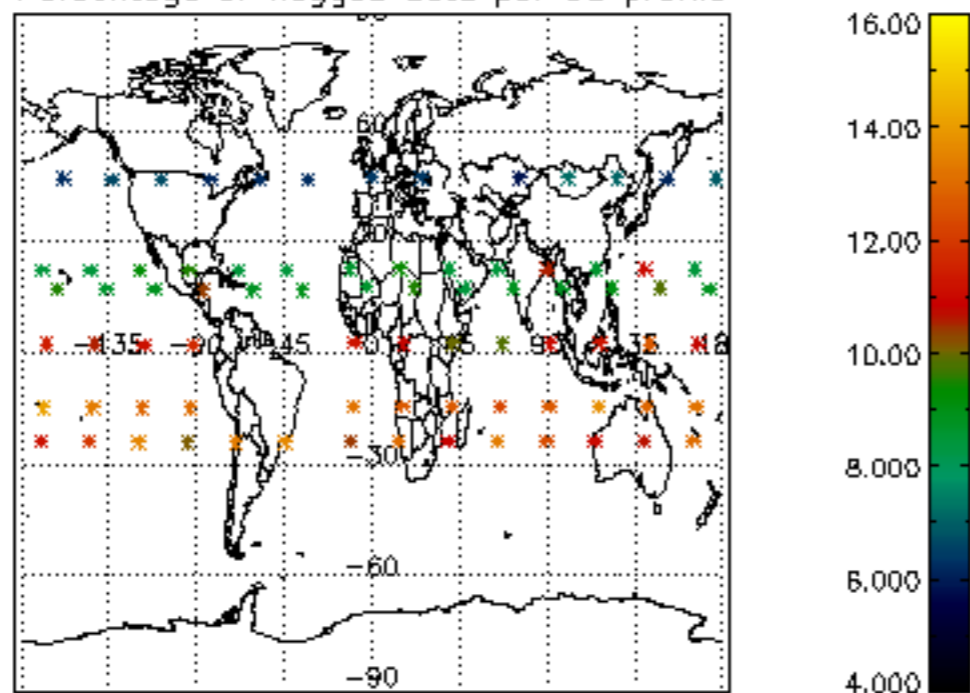




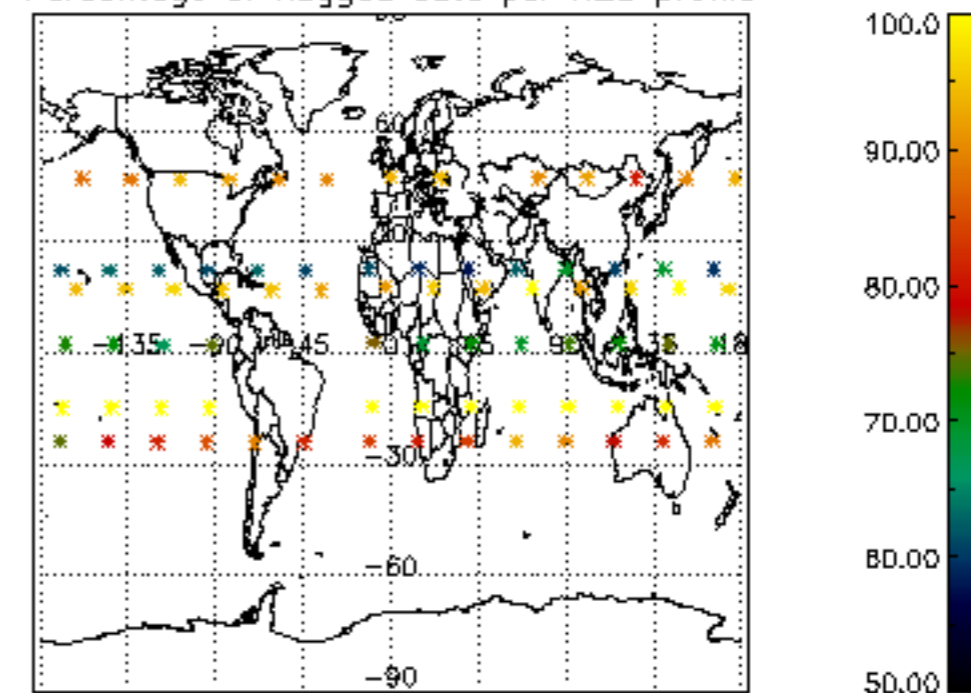




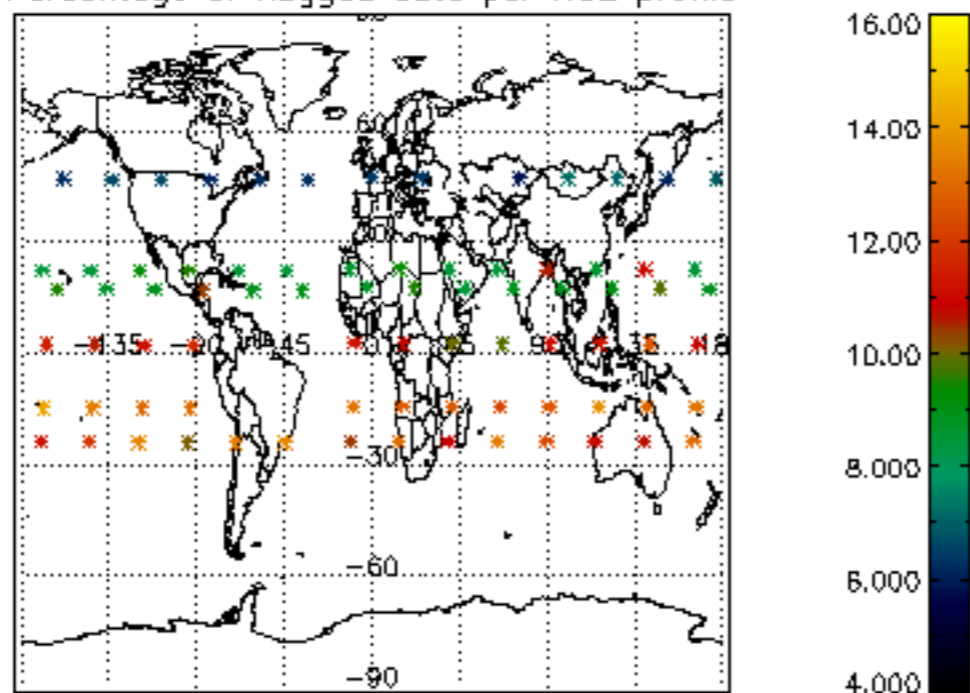
Percentage of flagged data per D3 profile



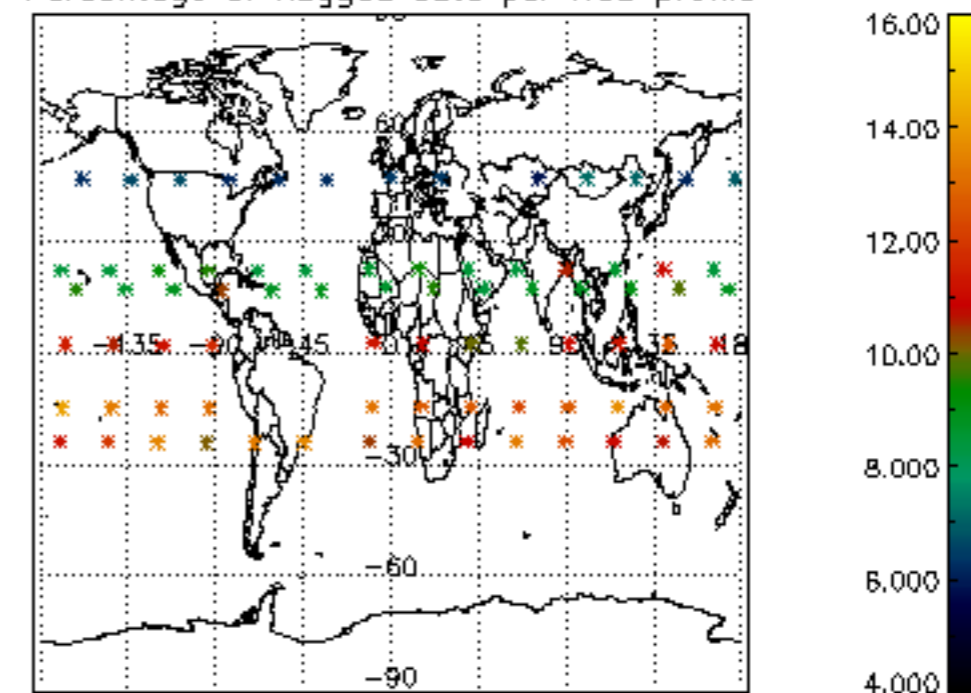
Percentage of flagged data per H2O profile

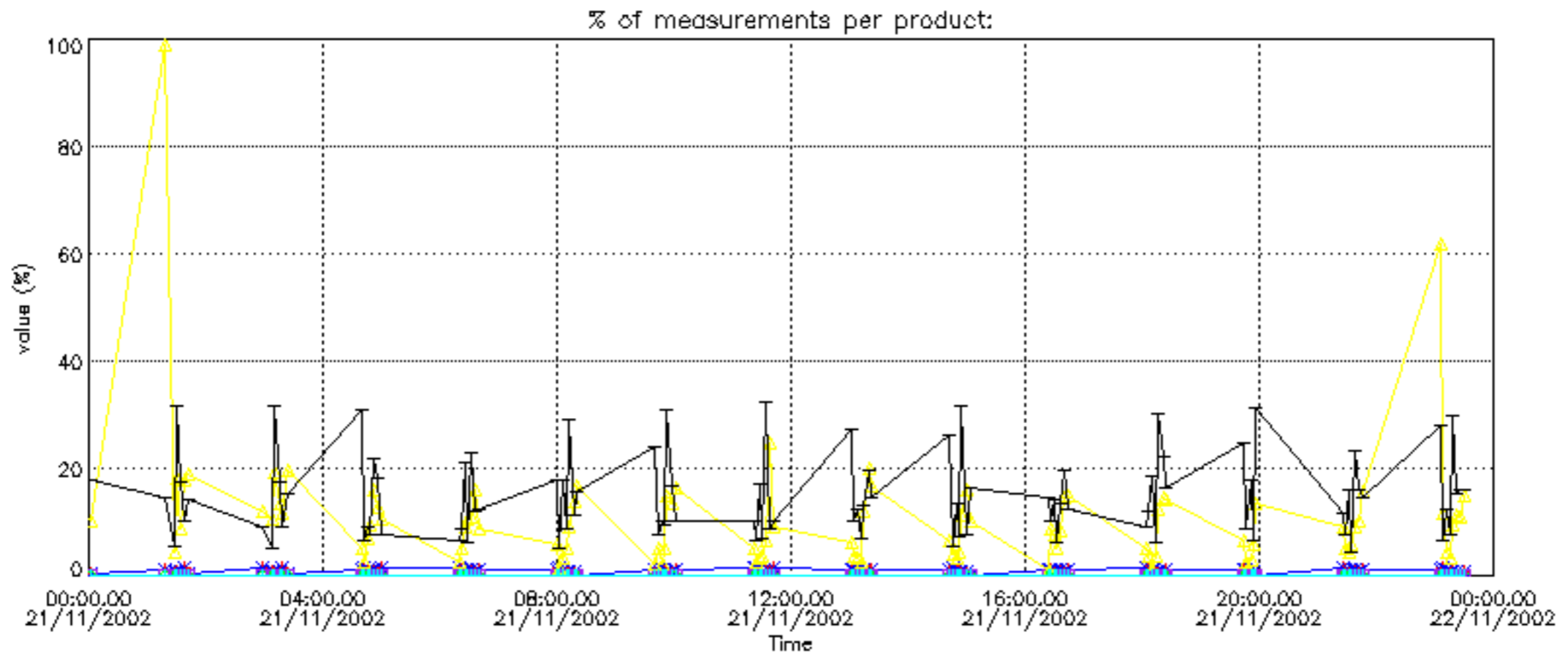


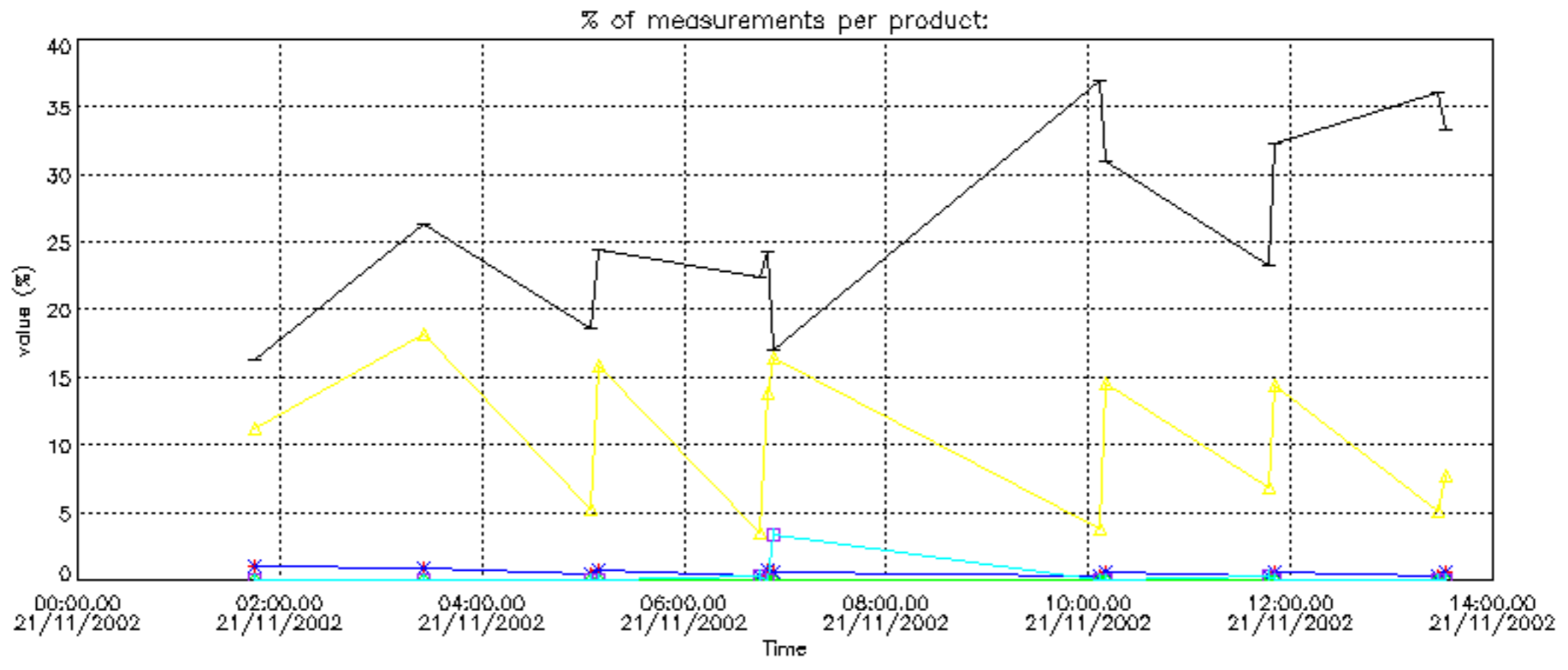
Percentage of flagged data per NO2 profile



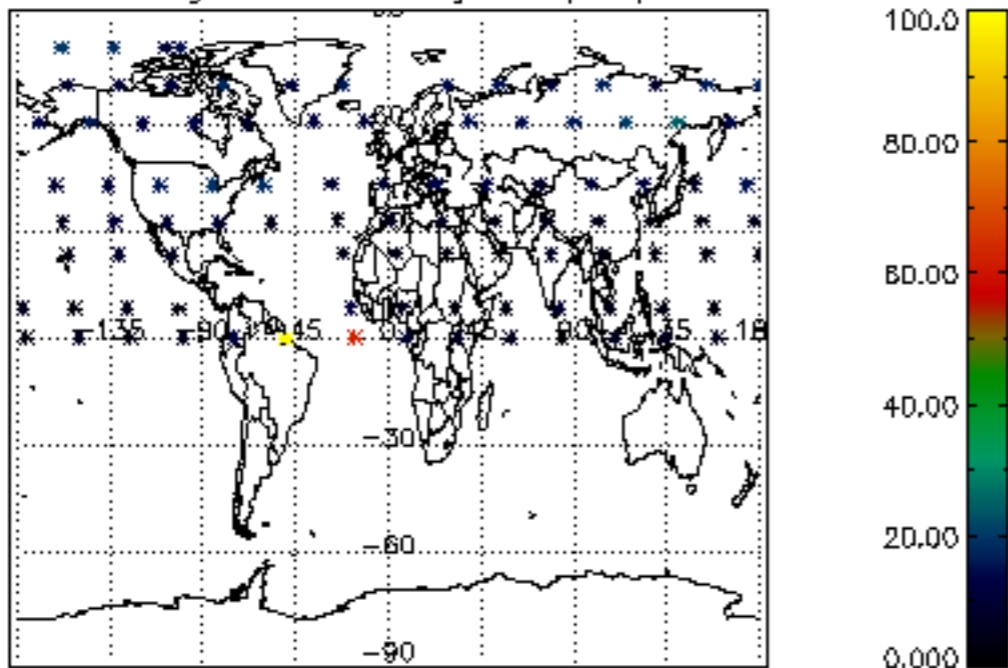
Percentage of flagged data per NO3 profile



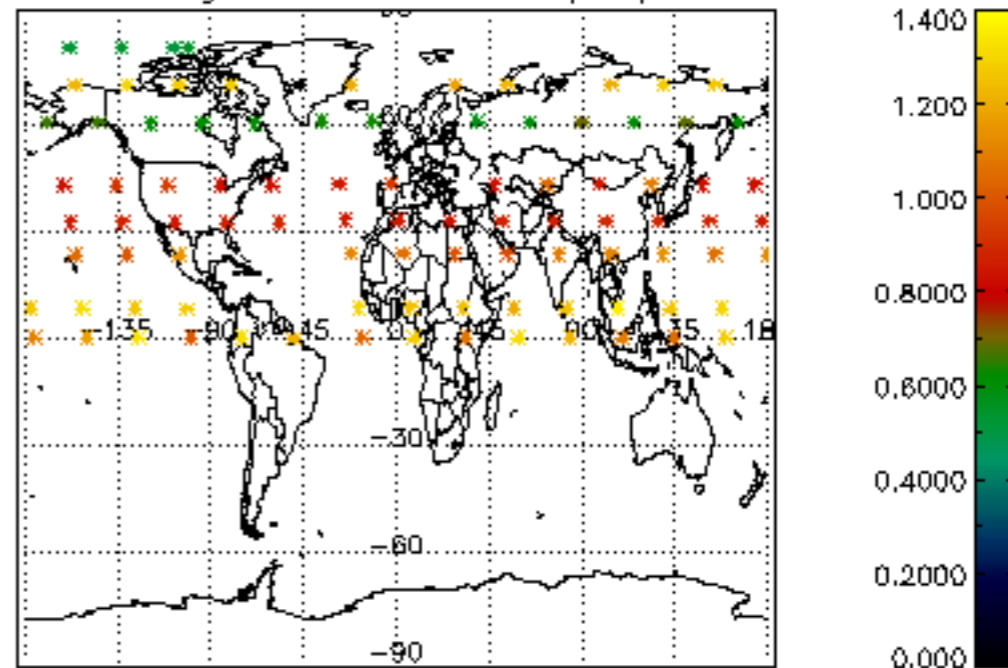




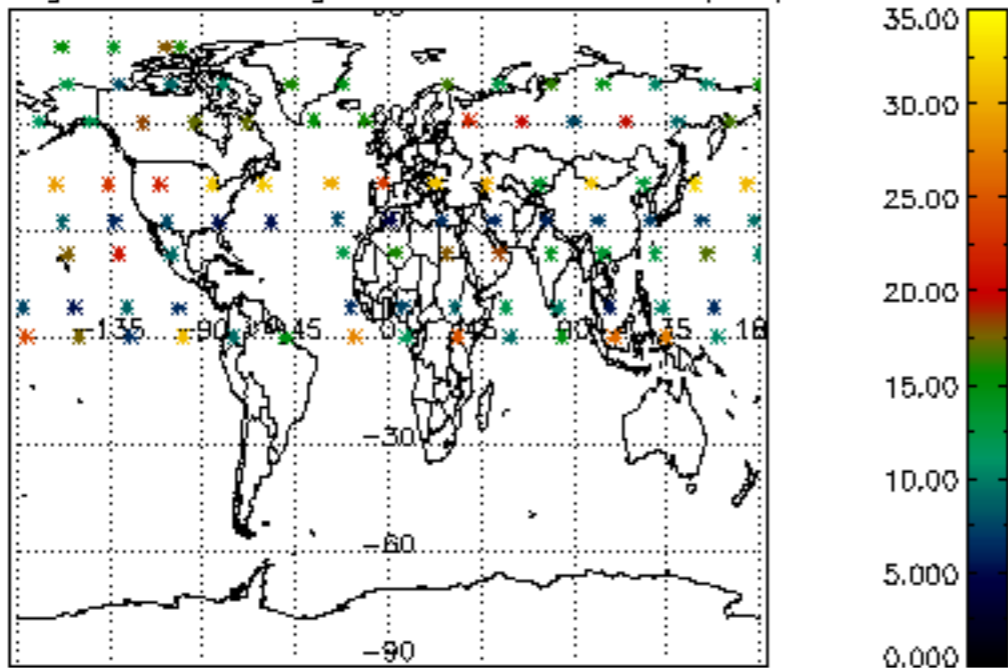
Percentage of cosmic ray hits per profile



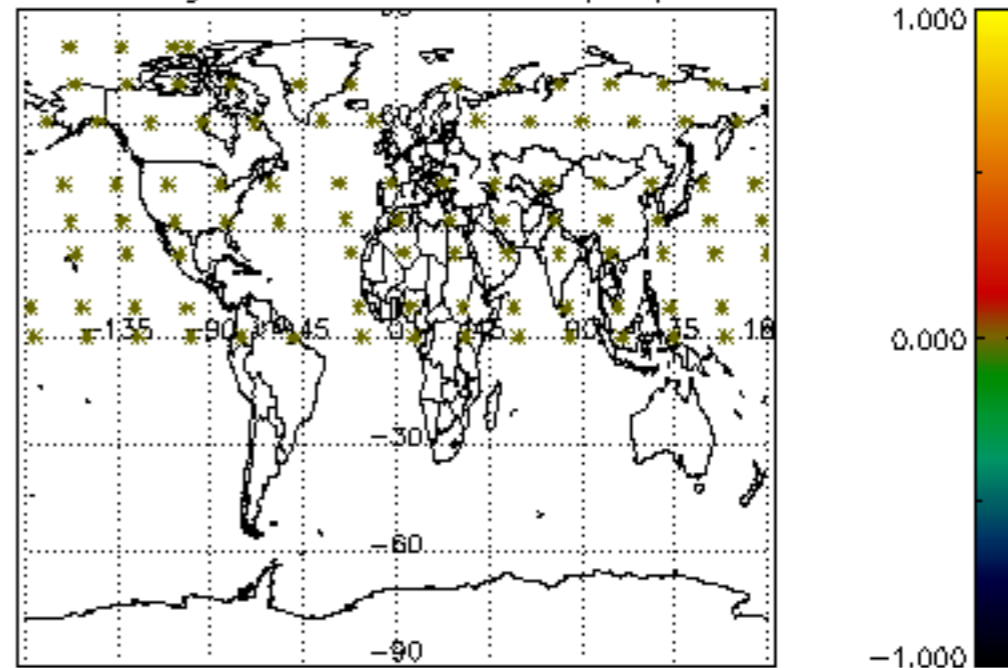
Percentage of datation errors per profile



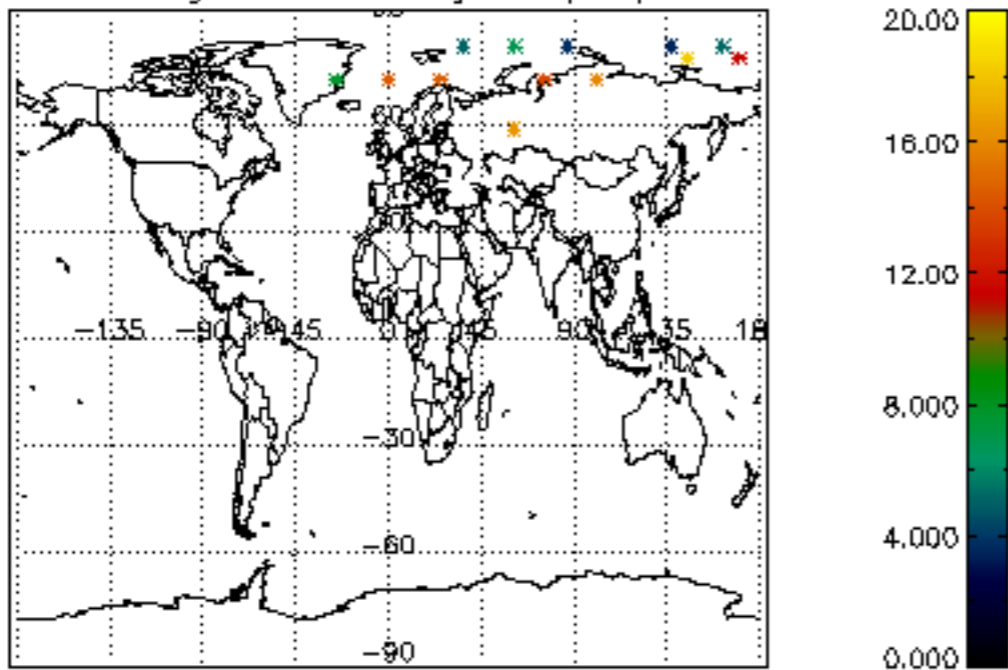
Percentage of star falling outside central band per profile



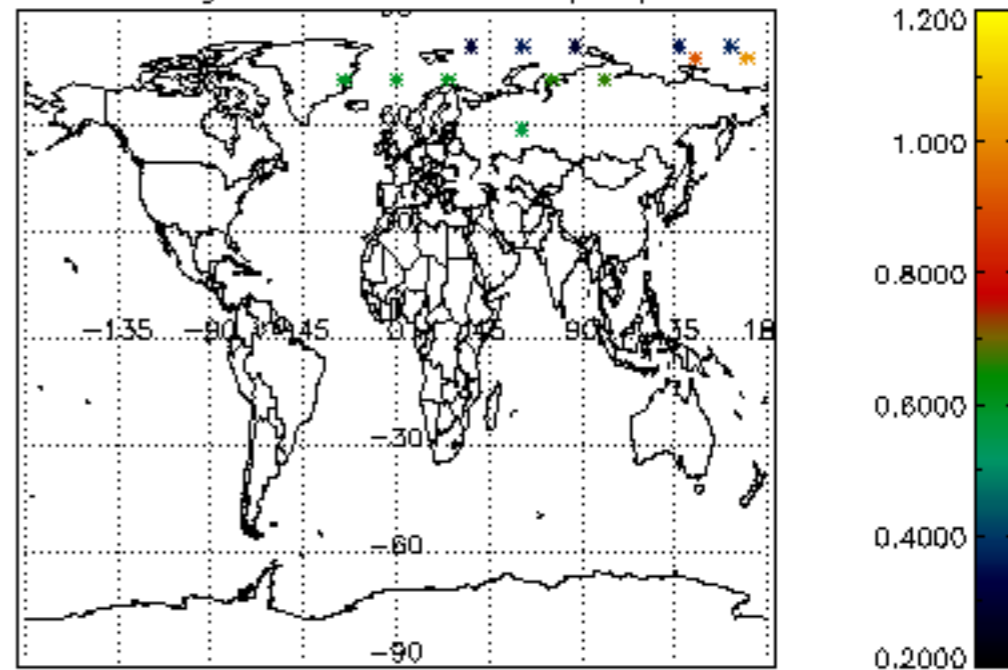
Percentage of saturation errors per profile



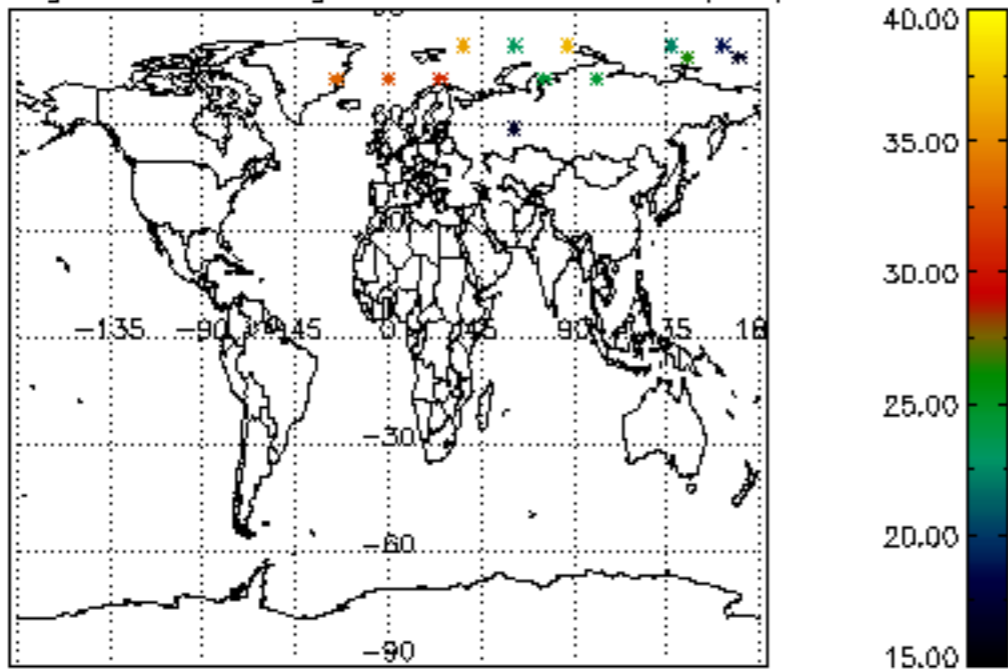
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

