

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 19:49:45
Data source version	GOMOS/6.01
Start time of products	30-10-2002 (30OCT2002 00:00:00)
Stop time of products	31-10-2002 (31OCT2002 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	131
Nb of prods with errors	27

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__2PRFIN20021030_000213_000000762010_00417_03477_2794.N1	30-OCT-2002 00:02:13	Bright	76.000	94	92Alp Cet	2.5260	3100.0	152	3477	No
2	GOM_NL__2PRFIN20021030_000503_000000422010_00417_03477_2795.N1	30-OCT-2002 00:05:03	Bright	42.000	140	88Gam Peg	2.8340	26000.	84	3477	No
3	GOM_NL__2PRFIN20021030_000633_000000472010_00417_03477_2796.N1	30-OCT-2002 00:06:33	Bright	46.500	105	6Bet Ari	2.6450	8900.0	93	3477	No
4	GOM_NL__2PRFIN20021030_000854_000000442010_00417_03477_2797.N1	30-OCT-2002 00:08:54	Bright	43.500	58	21Alp And	2.0730	11000.	87	3477	No
5	GOM_NL__2PRFIN20021030_001030_000000452010_00417_03477_2798.N1	30-OCT-2002 00:10:30	Bright	45.000	53	43Bet And	2.0480	3300.0	90	3477	No
6	GOM_NL__2PRFIN20021030_001304_000000482010_00417_03477_2799.N1	30-OCT-2002 00:13:04	Bright	47.500	73	57Gam1And	2.2600	13100.	95	3477	No
7	GOM_NL__2PRFIN20021030_001436_000000542010_00417_03477_2800.N1	30-OCT-2002 00:14:36	Bright	54.000	79	26Bet Per	2.3100	13100.	108	3477	No
8	GOM_NL__2PRFIN20021030_001710_000000442010_00417_03477_2801.N1	30-OCT-2002 00:17:10	Bright	43.500	74	11Bet Cas	2.2680	6600.0	87	3477	No
9	GOM_NL__2PRFIN20021030_002048_000000432010_00417_03477_2802.N1	30-OCT-2002 00:20:48	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	3477	No
10	GOM_NL__2PRFIN20021030_002538_000000442010_00417_03477_2803.N1	30-OCT-2002 00:25:38	Bright	44.000	49	1Alp UMi	1.9900	6300.0	88	3477	No
11	GOM_NL__2PRFIN20021030_002922_000000442010_00417_03477_2804.N1	30-OCT-2002 00:29:22	Bright	44.000	60	7Bet UMi	2.0810	3950.0	88	3477	No
12	GOM_NL__2PRFIN20021030_003348_000000472010_00417_03477_2805.N1	30-OCT-2002 00:33:48	Bright	46.500	36	50Alp UMa	1.8000	6300.0	93	3477	No
13	GOM_NL__2PRFIN20021030_003518_000000422010_00417_03477_2806.N1	30-OCT-2002 00:35:18	Bright	42.000	32	77Eps UMa	1.7630	11000.	84	3477	No
14	GOM_NL__2PRFIN20021030_003903_000000472010_00417_03477_2807.N1	30-OCT-2002 00:39:03	Bright	46.500	174	52Psi UMa	3.0040	4400.0	93	3477	No
15	GOM_NL__2PRFIN20021030_004527_000002552010_00417_03477_2808.N1	30-OCT-2002 00:45:27	Twilight	255.00	24	66Alp Gem	1.5800	10200.	510	3477	No
16	GOM_NL__2PRFIN20021030_005009_000002552010_00417_03477_2809.N1	30-OCT-2002 00:50:09	Straylight	255.00	17	78Bet Gem	1.1610	4500.0	510	3477	No
17	GOM_NL__2PRFIN20021030_005932_000000762010_00417_03477_2810.N1	30-OCT-2002 00:59:32	Dark	76.000	48	30Alp Hya	1.9770	4100.0	152	3477	No
18	GOM_NL__2PRFIN20021030_010725_000000442010_00417_03477_2811.N1	30-OCT-2002 01:07:25	Dark	43.500	129	Del Cru	2.7930	26000.	87	3477	No
19	GOM_NL__2PRFIN20021030_011229_000000462010_00418_03478_9282.N1	30-OCT-2002 01:12:29	Dark	45.500	29	Bet Car	1.6720	10200.	91	3478	No
20	GOM_NL__2PRFIN20021030_011526_000000702010_00418_03478_9283.N1	30-OCT-2002 01:15:26	Dark	70.000	117	Pi Pup	2.7060	3800.0	140	3478	No
21	GOM_NL__2PRFIN20021030_011729_000000572010_00418_03478_9284.N1	30-OCT-2002 01:17:29	Dark	57.000	2	Alp Car	-0.73600	7000.0	114	3478	No
22	GOM_NL__2PRFIN20021030_012325_000000452010_00418_03478_9285.N1	30-OCT-2002 01:23:25	Dark	45.000	143	Alp Hyi	2.8570	7200.0	90	3478	No
23	GOM_NL__2PRFIN20021030_012448_000000512010_00418_03478_9286.N1	30-OCT-2002 01:24:48	Dark	50.500	9	Alp Eri	0.45300	24000.	101	3478	No
24	GOM_NL__2PRFIN20021030_012934_000000492010_00418_03478_9287.N1	30-OCT-2002 01:29:34	Straylight	49.000	84	Alp Phe	2.3970	4500.0	98	3478	No
25	GOM_NL__2PRFIN20021030_013610_000000552010_00418_03478_9288.N1	30-OCT-2002 01:36:10	Straylight	55.000	52	16Bet Cet	2.0370	4500.0	110	3478	No
26	GOM_NL__2PRFIN20021030_014249_000000792010_00418_03478_9289.N1	30-OCT-2002 01:42:49	Bright	79.000	94	92Alp Cet	2.5260	3100.0	158	3478	No
27	GOM_NL__2PRFIN20021030_014539_000000422010_00418_03478_9290.N1	30-OCT-2002 01:45:39	Bright	42.000	140	88Gam Peg	2.8340	26000.	84	3478	No
28	GOM_NL__2PRFIN20021030_014709_000000482010_00418_03478_9291.N1	30-OCT-2002 01:47:09	Bright	47.500	105	6Bet Ari	2.6450	8900.0	95	3478	No
29	GOM_NL__2PRFIN20021030_014930_000000432010_00418_03478_9292.N1	30-OCT-2002 01:49:30	Bright	43.000	58	21Alp And	2.0730	11000.	86	3478	No
30	GOM_NL__2PRFIN20021030_015106_000000482010_00418_03478_9293.N1	30-OCT-2002 01:51:06	Bright	47.500	53	43Bet And	2.0480	3300.0	95	3478	No
31	GOM_NL__2PRFIN20021030_015340_000000482010_00418_03478_9294.N1	30-OCT-2002 01:53:40	Bright	47.500	73	57Gam1And	2.2600	13100.	95	3478	No
32	GOM_NL__2PRFIN20021030_015512_000000532010_00418_03478_9295.N1	30-OCT-2002 01:55:12	Bright	53.000	79	26Bet Per	2.3100	13100.	106	3478	No
33	GOM_NL__2PRFIN20021030_015746_000000402010_00418_03478_9296.N1	30-OCT-2002 01:57:46	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	3478	No
34	GOM_NL__2PRFIN20021030_020125_000000442010_00418_03478_9297.N1	30-OCT-2002 02:01:25	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	3478	No
35	GOM_NL__2PRFIN20021030_020614_000000432010_00418_03478_9298.N1	30-OCT-2002 02:06:14	Bright	43.000	49	1Alp UMi	1.9900	6300.0	86	3478	No
36	GOM_NL__2PRFIN20021030_020958_000000462010_00418_03478_9299.N1	30-OCT-2002 02:09:58	Bright	45.500	60	7Bet UMi	2.0810	3950.0	91	3478	No
37	GOM_NL__2PRFIN20021030_021424_000000462010_00418_03478_9300.N1	30-OCT-2002 02:14:24	Bright	46.000	36	50Alp UMa	1.8000	6300.0	92	3478	No
38	GOM_NL__2PRFIN20021030_021553_000000442010_00418_03478_9301.N1	30-OCT-2002 02:15:53	Bright	44.000	32	77Eps UMa	1.7630	11000.	88	3478	No
39	GOM_NL__2PRFIN20021030_021937_000000472010_00418_03478_9302.N1	30-OCT-2002 02:19:37	Bright	47.000	174	52Psi UMa	3.0040	4400.0	94	3478	No
40	GOM_NL__2PRFIN20021030_025305_000000462010_00419_03479_9282.N1	30-OCT-2002 02:53:05	Dark	45.500	29	Bet Car	1.6720	10200.	91	3479	No
41	GOM_NL__2PRFIN20021030_025603_000000812010_00419_03479_9283.N1	30-OCT-2002 02:56:03	Dark	80.500	117	Pi Pup	2.7060	3800.0	161	3479	No
42	GOM_NL__2PRFIN20021030_025805_000000702010_00419_03479_9284.N1	30-OCT-2002 02:58:05	Dark	70.000	2	Alp Car	-0.73600	7000.0	140	3479	No

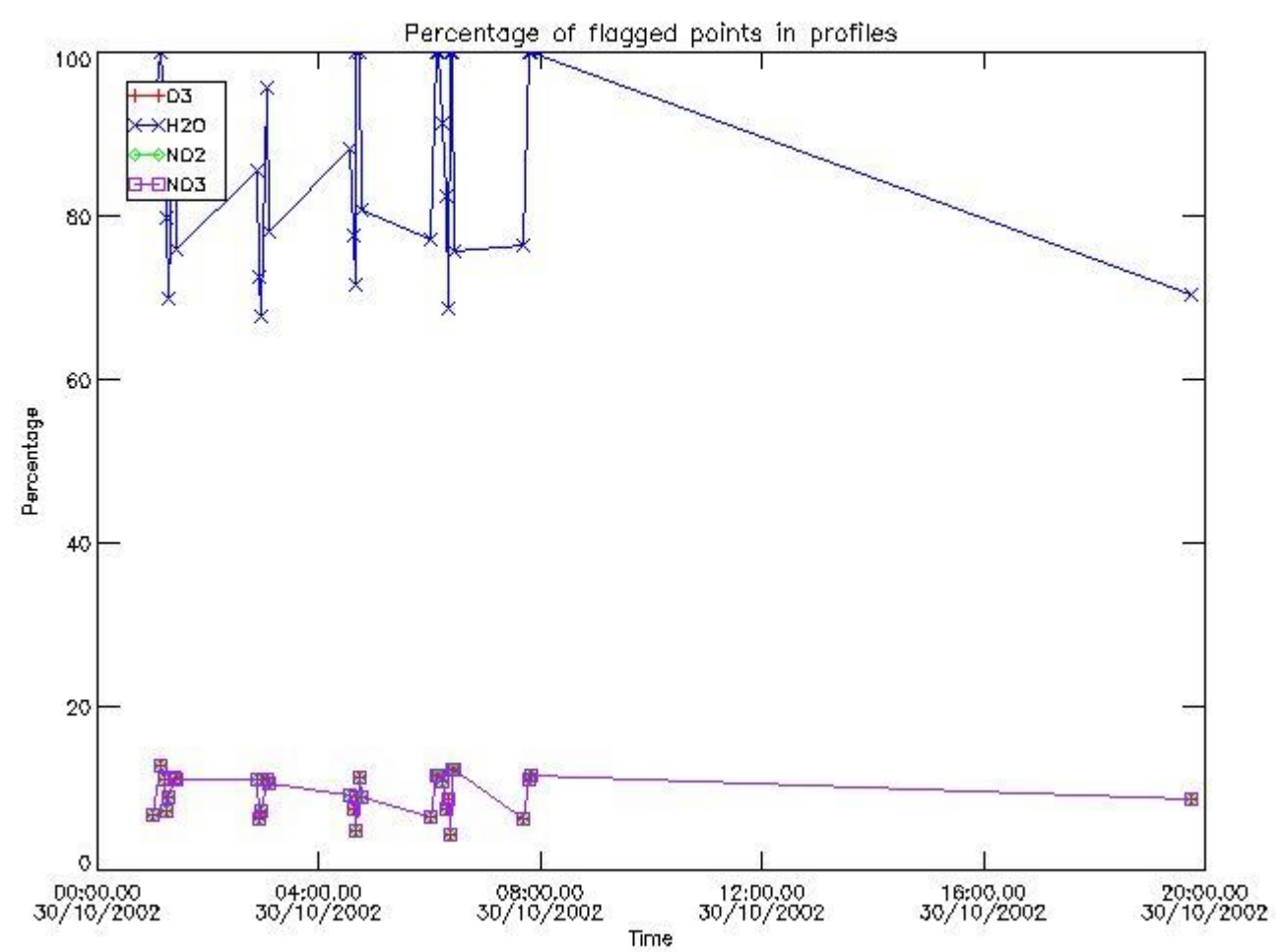
43	GOM_NL__2PRFIN20021030_030400_000000462010_00419_03479_9285.N1	30-OCT-2002 03:04:00	Dark	45.500	143	Alp Hyi	2.8570	7200.0	91	3479	No
44	GOM_NL__2PRFIN20021030_030524_000000492010_00419_03479_9286.N1	30-OCT-2002 03:05:24	Dark	48.500	9	Alp Eri	0.45300	24000.	97	3479	No
45	GOM_NL__2PRFIN20021030_031010_000000512010_00419_03479_9287.N1	30-OCT-2002 03:10:10	Straylight	50.500	84	Alp Phe	2.3970	4500.0	101	3479	No
46	GOM_NL__2PRFIN20021030_043342_000000552010_00420_03480_2757.N1	30-OCT-2002 04:33:42	Dark	55.000	29	Bet Car	1.6720	10200.	110	3480	No
47	GOM_NL__2PRFIN20021030_043640_000000742010_00420_03480_2758.N1	30-OCT-2002 04:36:40	Dark	74.000	117	Pi Pup	2.7060	3800.0	148	3480	No
48	GOM_NL__2PRFIN20021030_043842_000000572010_00420_03480_2759.N1	30-OCT-2002 04:38:42	Dark	56.500	2	Alp Car	-0.73600	7000.0	113	3480	No
49	GOM_NL__2PRFIN20021030_044033_000001172010_00420_03480_2760.N1	30-OCT-2002 04:40:33	Dark	117.00	179	24Omi2CMa	3.0320	24000.	234	3480	No
50	GOM_NL__2PRFIN20021030_044437_000000452010_00420_03480_2761.N1	30-OCT-2002 04:44:37	Dark	45.000	143	Alp Hyi	2.8570	7200.0	90	3480	No
51	GOM_NL__2PRFIN20021030_044600_000000582010_00420_03480_2762.N1	30-OCT-2002 04:46:00	Dark	57.500	9	Alp Eri	0.45300	24000.	115	3480	No
52	GOM_NL__2PRFIN20021030_044924_000002202010_00420_03480_2763.N1	30-OCT-2002 04:49:24	Straylight	220.00	1	9Alp CMa	-1.4400	11000.	440	3480	No
53	GOM_NL__2PRFIN20021030_045721_000000492010_00420_03480_2764.N1	30-OCT-2002 04:57:21	Straylight	48.500	52	16Bet Cet	2.0370	4500.0	97	3480	No
54	GOM_NL__2PRFIN20021030_050359_000000792010_00420_03480_2765.N1	30-OCT-2002 05:03:59	Bright	79.000	94	92Alp Cet	2.5260	3100.0	158	3480	No
55	GOM_NL__2PRFIN20021030_050651_000000432010_00420_03480_2766.N1	30-OCT-2002 05:06:51	Bright	43.000	140	88Gam Peg	2.8340	26000.	86	3480	No
56	GOM_NL__2PRFIN20021030_050820_000000482010_00420_03480_2767.N1	30-OCT-2002 05:08:20	Bright	47.500	105	6Bet Ari	2.6450	8900.0	95	3480	No
57	GOM_NL__2PRFIN20021030_051043_000000442010_00420_03480_2768.N1	30-OCT-2002 05:10:43	Bright	43.500	58	21Alp And	2.0730	11000.	87	3480	No
58	GOM_NL__2PRFIN20021030_051218_000000462010_00420_03480_2769.N1	30-OCT-2002 05:12:18	Bright	46.000	53	43Bet And	2.0480	3300.0	92	3480	No
59	GOM_NL__2PRFIN20021030_051451_000000502010_00420_03480_2770.N1	30-OCT-2002 05:14:51	Bright	50.000	73	57Gam1And	2.2600	13100.	100	3480	No
60	GOM_NL__2PRFIN20021030_051622_000000562010_00420_03480_2771.N1	30-OCT-2002 05:16:22	Bright	56.000	79	26Bet Per	2.3100	13100.	112	3480	No
61	GOM_NL__2PRFIN20021030_051857_000000442010_00420_03480_2772.N1	30-OCT-2002 05:18:57	Bright	44.000	74	11Bet Cas	2.2680	6600.0	88	3480	No
62	GOM_NL__2PRFIN20021030_052237_000000432010_00420_03480_2773.N1	30-OCT-2002 05:22:37	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	3480	No
63	GOM_NL__2PRFIN20021030_052726_000000452010_00420_03480_2774.N1	30-OCT-2002 05:27:26	Bright	44.500	49	1Alp UMi	1.9900	6300.0	89	3480	No
64	GOM_NL__2PRFIN20021030_053110_000000452010_00420_03480_2775.N1	30-OCT-2002 05:31:10	Bright	44.500	60	7Bet UMi	2.0810	3950.0	89	3480	No
65	GOM_NL__2PRFIN20021030_053536_000000492010_00420_03480_2776.N1	30-OCT-2002 05:35:36	Bright	48.500	36	50Alp UMa	1.8000	6300.0	97	3480	No
66	GOM_NL__2PRFIN20021030_053706_000000432010_00420_03480_2777.N1	30-OCT-2002 05:37:06	Bright	42.500	32	77Eps UMa	1.7630	11000.	85	3480	No
67	GOM_NL__2PRFIN20021030_054051_000000472010_00420_03480_2778.N1	30-OCT-2002 05:40:51	Bright	47.000	174	52Psi UMa	3.0040	4400.0	94	3480	No
68	GOM_NL__2PRFIN20021030_054716_000002552010_00420_03480_2779.N1	30-OCT-2002 05:47:16	Tw_i_and_stray	255.00	24	66Alp Gem	1.5800	10200.	510	3480	No
69	GOM_NL__2PRFIN20021030_055205_000002552010_00420_03480_2780.N1	30-OCT-2002 05:52:05	Straylight	255.00	17	78Bet Gem	1.1610	4500.0	510	3480	No
70	GOM_NL__2PRFIN20021030_060124_000000772010_00420_03480_2781.N1	30-OCT-2002 06:01:24	Dark	77.000	48	30Alp Hya	1.9770	4100.0	154	3480	No
71	GOM_NL__2PRFIN20021030_060702_000000442010_00420_03480_2782.N1	30-OCT-2002 06:07:02	Dark	44.000	99	Del Cen	2.5750	26000.	88	3480	No
72	GOM_NL__2PRFIN20021030_060912_000000442010_00420_03480_2783.N1	30-OCT-2002 06:09:12	Dark	44.000	129	Del Cru	2.7930	26000.	88	3480	No
73	GOM_NL__2PRFIN20021030_061418_000000472010_00421_03481_2233.N1	30-OCT-2002 06:14:18	Dark	46.500	29	Bet Car	1.6720	10200.	93	3481	No
74	GOM_NL__2PRFIN20021030_061718_000000692010_00421_03481_2234.N1	30-OCT-2002 06:17:18	Dark	69.000	117	Pi Pup	2.7060	3800.0	138	3481	No
75	GOM_NL__2PRFIN20021030_061919_000000602010_00421_03481_2235.N1	30-OCT-2002 06:19:19	Dark	59.500	2	Alp Car	-0.73600	7000.0	119	3481	No
76	GOM_NL__2PRFIN20021030_062112_000001162010_00421_03481_2236.N1	30-OCT-2002 06:21:12	Dark	115.50	179	24Omi2CMa	3.0320	24000.	231	3481	No
77	GOM_NL__2PRFIN20021030_062513_000000462010_00421_03481_2237.N1	30-OCT-2002 06:25:13	Dark	45.500	143	Alp Hyi	2.8570	7200.0	91	3481	No
78	GOM_NL__2PRFIN20021030_062636_000000502010_00421_03481_2238.N1	30-OCT-2002 06:26:36	Dark	50.000	9	Alp Eri	0.45300	24000.	100	3481	No
79	GOM_NL__2PRFIN20021030_063004_000002202010_00421_03481_2239.N1	30-OCT-2002 06:30:04	Straylight	220.00	1	9Alp CMa	-1.4400	11000.	440	3481	No
80	GOM_NL__2PRFIN20021030_063758_000000492010_00421_03481_2240.N1	30-OCT-2002 06:37:58	Straylight	49.000	52	16Bet Cet	2.0370	4500.0	98	3481	No
81	GOM_NL__2PRFIN20021030_064435_000000722010_00421_03481_2241.N1	30-OCT-2002 06:44:35	Bright	71.500	94	92Alp Cet	2.5260	3100.0	143	3481	No
82	GOM_NL__2PRFIN20021030_064727_000000432010_00421_03481_2242.N1	30-OCT-2002 06:47:27	Bright	43.000	140	88Gam Peg	2.8340	26000.	86	3481	No
83	GOM_NL__2PRFIN20021030_064855_000000482010_00421_03481_2243.N1	30-OCT-2002 06:48:55	Bright	47.500	105	6Bet Ari	2.6450	8900.0	95	3481	No
84	GOM_NL__2PRFIN20021030_065119_000000432010_00421_03481_2244.N1	30-OCT-2002 06:51:19	Bright	43.000	58	21Alp And	2.0730	11000.	86	3481	No
85	GOM_NL__2PRFIN20021030_065254_000000452010_00421_03481_2245.N1	30-OCT-2002 06:52:54	Bright	44.500	53	43Bet And	2.0480	3300.0	89	3481	No
86	GOM_NL__2PRFIN20021030_065527_000000472010_00421_03481_2246.N1	30-OCT-2002 06:55:27	Bright	47.000	73	57Gam1And	2.2600	13100.	94	3481	No
87	GOM_NL__2PRFIN20021030_065657_000000552010_00421_03481_2247.N1	30-OCT-2002 06:56:57	Bright	55.000	79	26Bet Per	2.3100	13100.	110	3481	No
88	GOM_NL__2PRFIN20021030_065933_000000432010_00421_03481_2248.N1	30-OCT-2002 06:59:33	Bright	43.000	74	11Bet Cas	2.2680	6600.0	86	3481	No
89	GOM_NL__2PRFIN20021030_070314_000000442010_00421_03481_2249.N1	30-OCT-2002 07:03:14	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	3481	No
90	GOM_NL__2PRFIN20021030_070802_000000442010_00421_03481_2250.N1	30-OCT-2002 07:08:02	Bright	44.000	49	1Alp UMi	1.9900	6300.0	88	3481	No
91	GOM_NL__2PRFIN20021030_071147_000000452010_00421_03481_2251.N1	30-OCT-2002 07:11:47	Bright	45.000	60	7Bet UMi	2.0810	3950.0	90	3481	No
92	GOM_NL__2PRFIN20021030_071612_000000482010_00421_03481_2252.N1	30-OCT-2002 07:16:12	Bright	48.000	36	50Alp UMa	1.8000	6300.0	96	3481	No
93	GOM_NL__2PRFIN20021030_071742_000000442010_00421_03481_2253.N1	30-OCT-2002 07:17:42	Bright	44.000	32	77Eps UMa	1.7630	11000.	88	3481	No
94	GOM_NL__2PRFIN20021030_072127_000000442010_00421_03481_2254.N1	30-OCT-2002 07:21:27	Bright	44.000	174	52Psi UMa	3.0040	4400.0	88	3481	No
95	GOM_NL__2PRFIN20021030_072753_000002552010_00421_03481_2255.N1	30-OCT-2002 07:27:53	Tw_i_and_stray	255.00	24	66Alp Gem	1.5800	10200.	510	3481	No
96	GOM_NL__2PRFIN20021030_073245_000002552010_00421_03481_2256.N1	30-OCT-2002 07:32:45	Straylight	255.00	17	78Bet Gem	1.1610	4500.0	510	3481	No
97	GOM_NL__2PRFIN20021030_074201_000000832010_00421_03481_2257.N1	30-OCT-2002 07:42:01	Dark	83.000	48	30Alp Hya	1.9770	4100.0	166	3481	No
98	GOM_NL__2PRFIN20021030_074738_000000462010_00421_03481_2258.N1	30-OCT-2002 07:47:38	Dark	45.500	99	Del Cen	2.5750	26000.	91	3481	No
99	GOM_NL__2PRFIN20021030_074949_000000452010_00421_03481_2259.N1	30-OCT-2002 07:49:49	Dark	44.500	129	Del Cru	2.7930	26000.	89	3481	No
100	GOM_NL__2PRFIN20021030_194412_000000592010_00429_03489_9282.N1	30-OCT-2002 19:44:12	Dark	59.000	2	Alp Car	-0.73600	7000.0	118	3489	No
101	GOM_NL__2PRFIN20021030_195611_000000482010_00429_03489_3004.N1	30-OCT-2002 19:56:11	Straylight	48.000	84	Alp Phe	2.3970	4500.0	96	3489	No

102	GOM_NL__2PRFIN20021030_200246_000000512010_00429_03489_3005.N1	30-OCT-2002 20:02:46	Straylight	50.500	52	16Bet Cet	2.0370	4500.0	101	3489	No
103	GOM_NL__2PRFIN20021030_211854_000000222010_00430_03490_9281.N1	30-OCT-2002 21:18:54	Dark	21.500	46	Del Vel	1.9540	10600.	43	3490	Yes
104	GOM_NL__2PRFIN20021030_212337_000000322010_00430_03490_9282.N1	30-OCT-2002 21:23:37	Dark	32.000	117	Pi Pup	2.7060	3800.0	64	3490	Yes
105	GOM_NL__2PRFIN20021030_212523_000000262010_00430_03490_9283.N1	30-OCT-2002 21:25:23	Dark	26.000	2	Alp Car	-0.73600	7000.0	52	3490	Yes
106	GOM_NL__2PRFIN20021030_212653_000000492010_00430_03490_9284.N1	30-OCT-2002 21:26:53	Dark	48.500	23	21Eps CMa	1.5020	26000.	97	3490	Yes
107	GOM_NL__2PRFIN20021030_213106_000000162010_00430_03490_9285.N1	30-OCT-2002 21:31:06	Dark	16.000	143	Alp Hyi	2.8570	7200.0	32	3490	Yes
108	GOM_NL__2PRFIN20021030_213230_000000242010_00430_03490_9286.N1	30-OCT-2002 21:32:30	Dark	24.000	9	Alp Eri	0.45300	24000.	48	3490	Yes
109	GOM_NL__2PRFIN20021030_213546_000000202010_00430_03490_9287.N1	30-OCT-2002 21:35:46	Dark	19.500	157	The1Eri	2.9060	9300.0	39	3490	Yes
110	GOM_NL__2PRFIN20021030_213715_000000192010_00430_03490_9288.N1	30-OCT-2002 21:37:15	Dark	18.500	84	Alp Phe	2.3970	4500.0	37	3490	Yes
111	GOM_NL__2PRFIN20021030_225809_000000182010_00431_03491_9281.N1	30-OCT-2002 22:58:09	Dark	17.500	91	Kap Vel	2.4900	26000.	35	3491	Yes
112	GOM_NL__2PRFIN20021030_225931_000000192010_00431_03491_9282.N1	30-OCT-2002 22:59:31	Dark	19.000	46	Del Vel	1.9540	10600.	38	3491	Yes
113	GOM_NL__2PRFIN20021030_230415_000000282010_00431_03491_9283.N1	30-OCT-2002 23:04:15	Dark	27.500	117	Pi Pup	2.7060	3800.0	55	3491	Yes
114	GOM_NL__2PRFIN20021030_230600_000000272010_00431_03491_9284.N1	30-OCT-2002 23:06:00	Dark	27.000	2	Alp Car	-0.73600	7000.0	54	3491	Yes
115	GOM_NL__2PRFIN20021030_230731_000000442010_00431_03491_9285.N1	30-OCT-2002 23:07:31	Dark	43.500	23	21Eps CMa	1.5020	26000.	87	3491	Yes
116	GOM_NL__2PRFIN20021030_231143_000000182010_00431_03491_9286.N1	30-OCT-2002 23:11:43	Dark	18.000	143	Alp Hyi	2.8570	7200.0	36	3491	Yes
117	GOM_NL__2PRFIN20021030_231306_000000202010_00431_03491_9287.N1	30-OCT-2002 23:13:06	Dark	19.500	9	Alp Eri	0.45300	24000.	39	3491	Yes
118	GOM_NL__2PRFIN20021030_231622_000000122010_00431_03491_9288.N1	30-OCT-2002 23:16:22	Dark	11.500	157	The1Eri	2.9060	9300.0	23	3491	Yes
119	GOM_NL__2PRFIN20021030_233109_000000282010_00431_03491_2264.N1	30-OCT-2002 23:31:09	Dark	28.000	94	92Alp Cet	2.5260	3100.0	56	3491	Yes
120	GOM_NL__2PRFIN20021030_233357_000000142010_00431_03491_2265.N1	30-OCT-2002 23:33:57	Dark	13.500	140	88Gam Peg	2.8340	26000.	27	3491	Yes
121	GOM_NL__2PRFIN20021030_233524_000000172010_00431_03491_2266.N1	30-OCT-2002 23:35:24	Bright	16.500	105	6Bet Ari	2.6450	8900.0	33	3491	No
122	GOM_NL__2PRFIN20021030_233623_000000192010_00431_03491_2267.N1	30-OCT-2002 23:36:23	Dark	18.500	50	13Alp Ari	2.0070	4250.0	37	3491	Yes
123	GOM_NL__2PRFIN20021030_233748_000000172010_00431_03491_2268.N1	30-OCT-2002 23:37:48	Dark	16.500	58	21Alp And	2.0730	11000.	33	3491	Yes
124	GOM_NL__2PRFIN20021030_233921_000000182010_00431_03491_2269.N1	30-OCT-2002 23:39:21	Dark	18.000	53	43Bet And	2.0480	3300.0	36	3491	Yes
125	GOM_NL__2PRFIN20021030_234154_000000172010_00431_03491_2270.N1	30-OCT-2002 23:41:54	Dark	17.000	73	57Gam1And	2.2600	13100.	34	3491	Yes
126	GOM_NL__2PRFIN20021030_234326_000000202010_00431_03491_2271.N1	30-OCT-2002 23:43:26	Dark	19.500	79	26Bet Per	2.3100	13100.	39	3491	Yes
127	GOM_NL__2PRFIN20021030_234513_000000162010_00431_03491_2272.N1	30-OCT-2002 23:45:13	Dark	16.000	68	18Alp Cas	2.2250	4500.0	32	3491	Yes
128	GOM_NL__2PRFIN20021030_234626_000000152010_00431_03491_2273.N1	30-OCT-2002 23:46:26	Dark	15.000	76	27Gam Cas	2.3000	30000.	30	3491	Yes
129	GOM_NL__2PRFIN20021030_234946_000000162010_00431_03491_2274.N1	30-OCT-2002 23:49:46	Dark	16.000	89	5Alp Cep	2.4510	8000.0	32	3491	Yes
130	GOM_NL__2PRFIN20021030_235430_000000152010_00431_03491_2275.N1	30-OCT-2002 23:54:30	Bright	15.000	49	1Alp UMi	1.9900	6300.0	30	3491	No
131	GOM_NL__2PRFIN20021030_235816_000000152010_00431_03491_2276.N1	30-OCT-2002 23:58:16	Dark	15.000	60	7Bet UMi	2.0810	3950.0	30	3491	Yes

3. Quality information per product

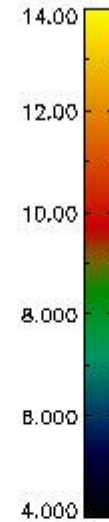
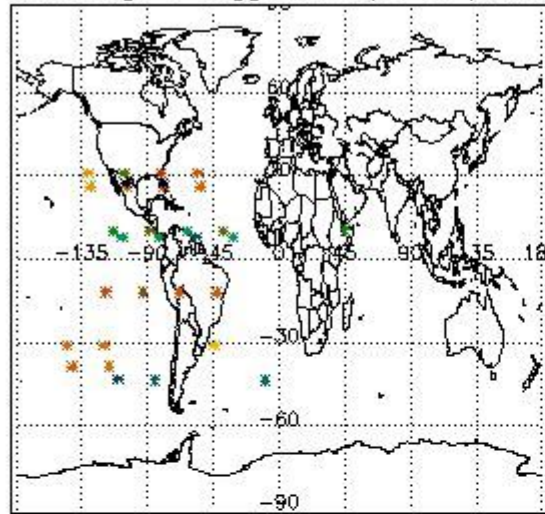
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

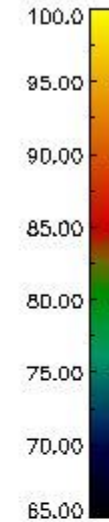
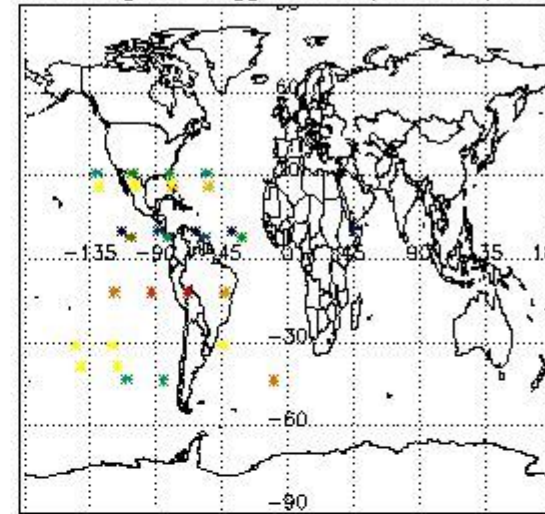


3.2 Plot quality information per product (world map)

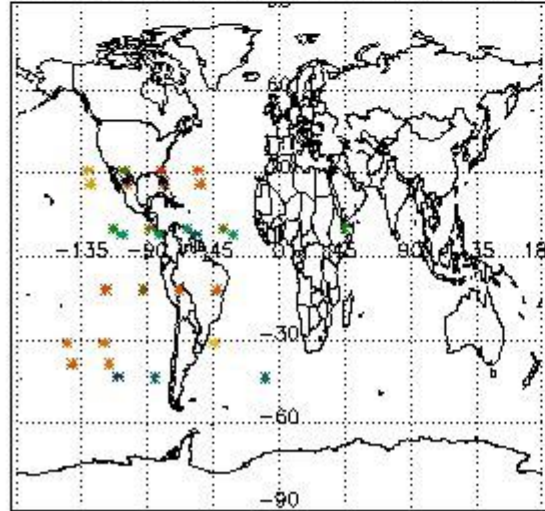
Percentage of flagged data per O3 profile



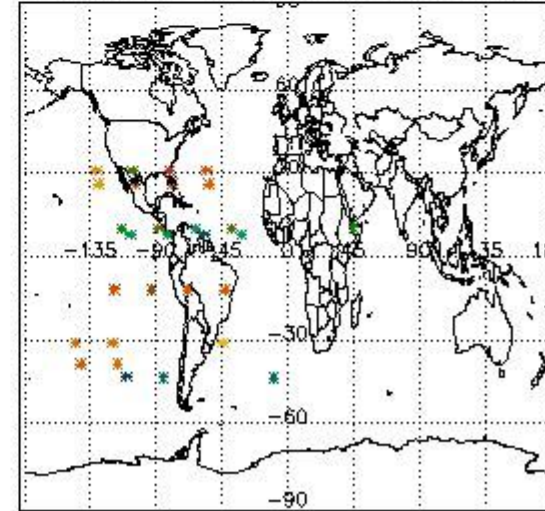
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

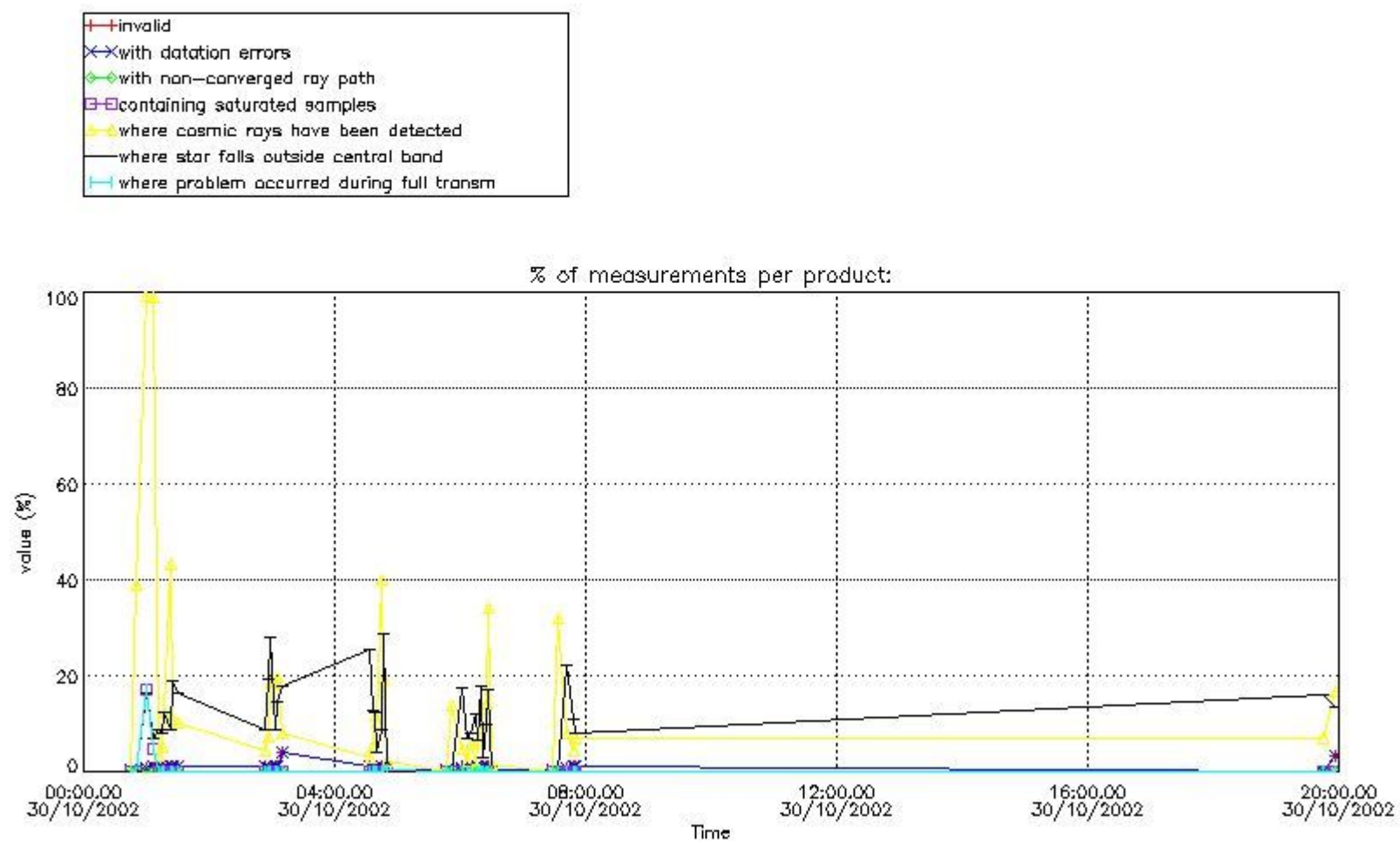


4. Level 1 quality information per product

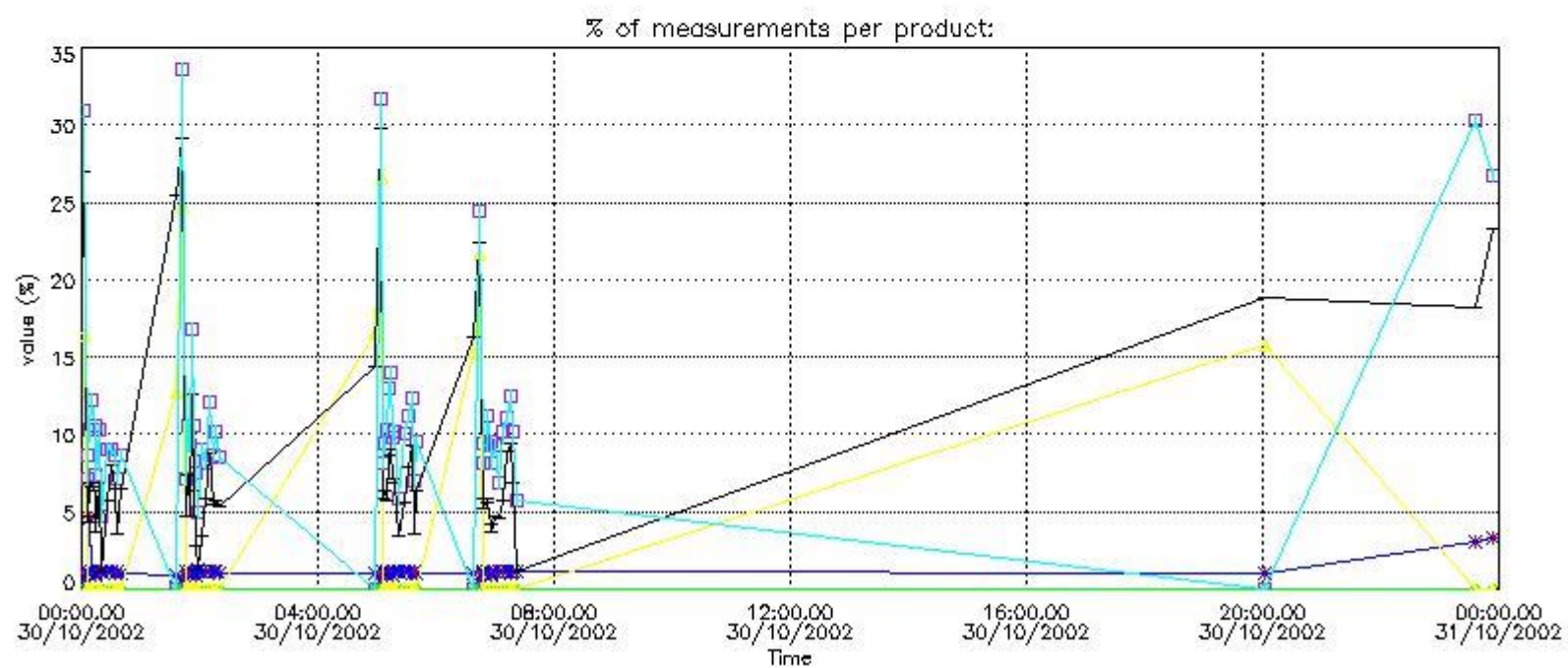
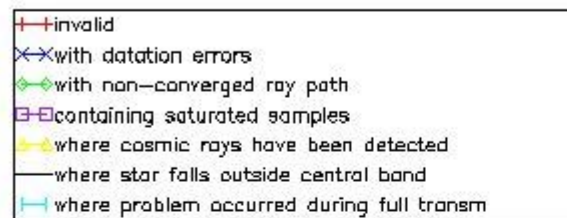
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



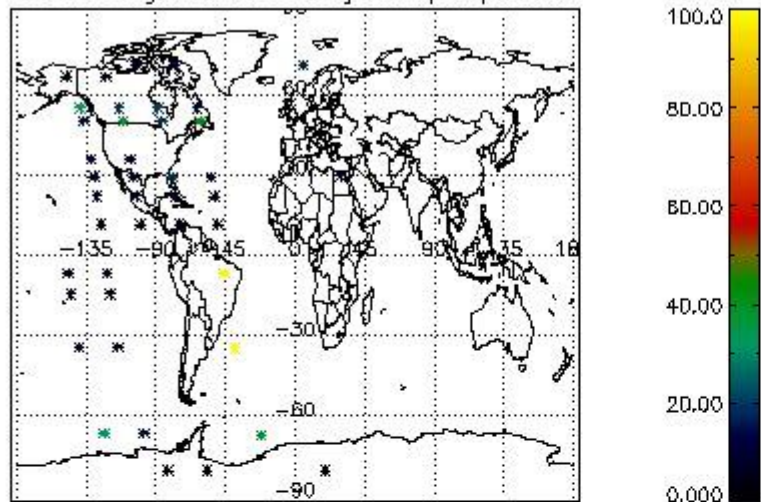
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



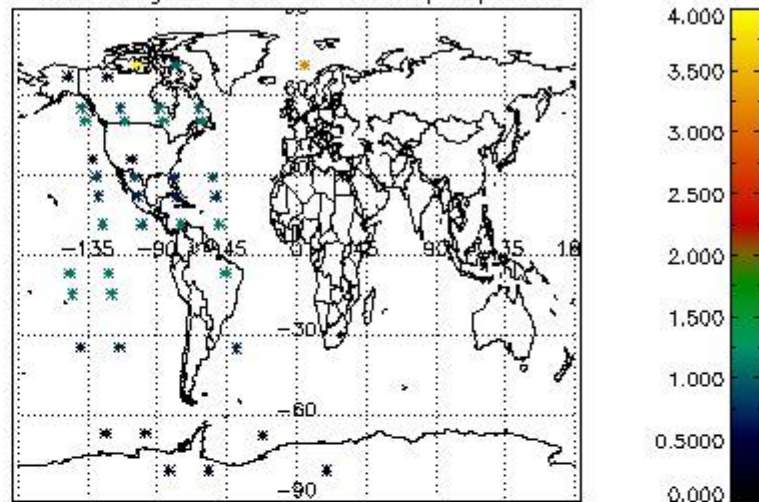
4.2 Plot quality information per product coming from level 1b processing (world map)

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

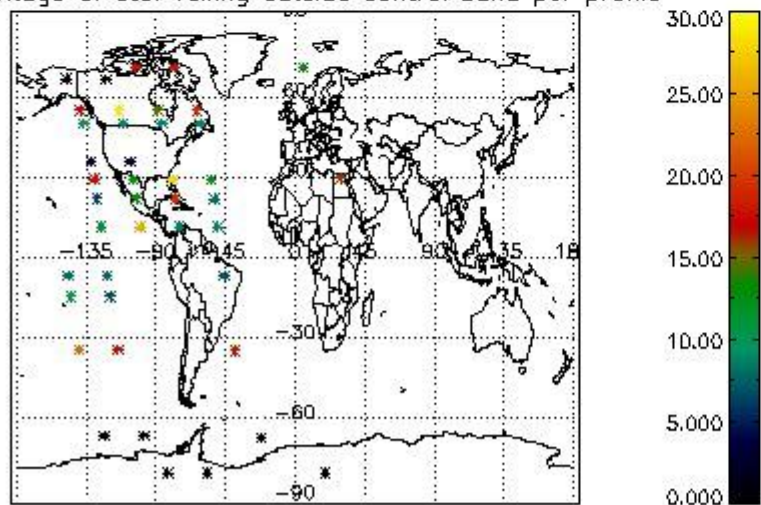
Percentage of cosmic ray hits per profile



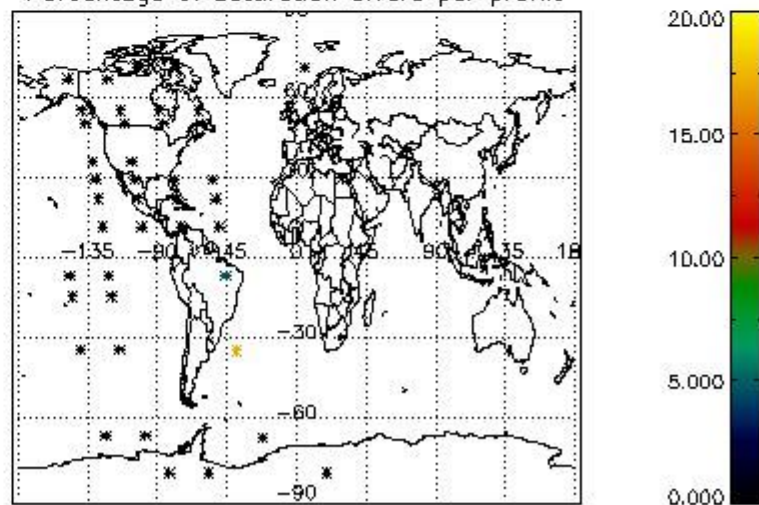
Percentage of datation errors per profile



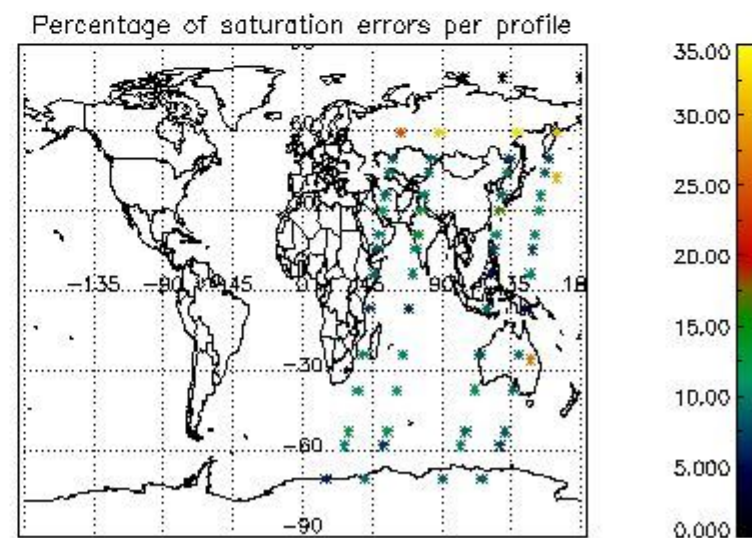
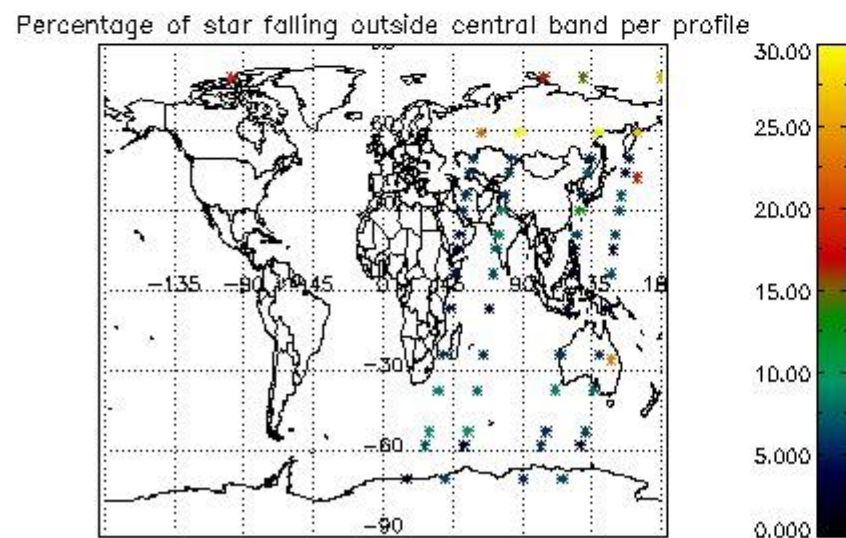
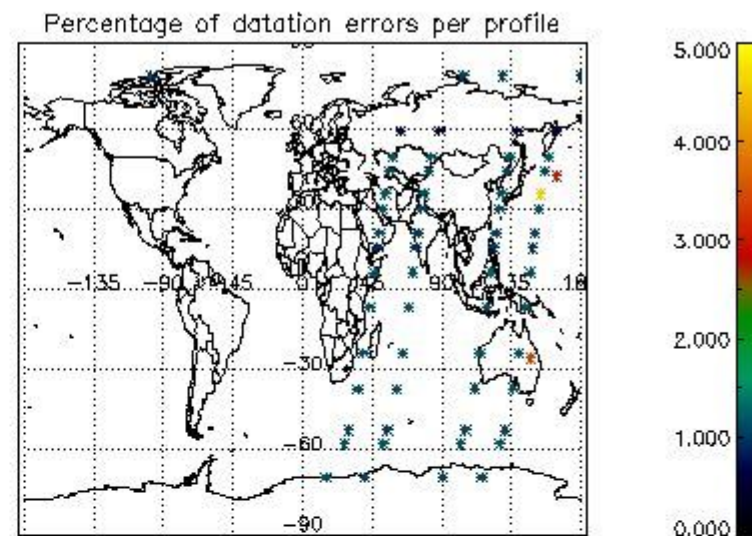
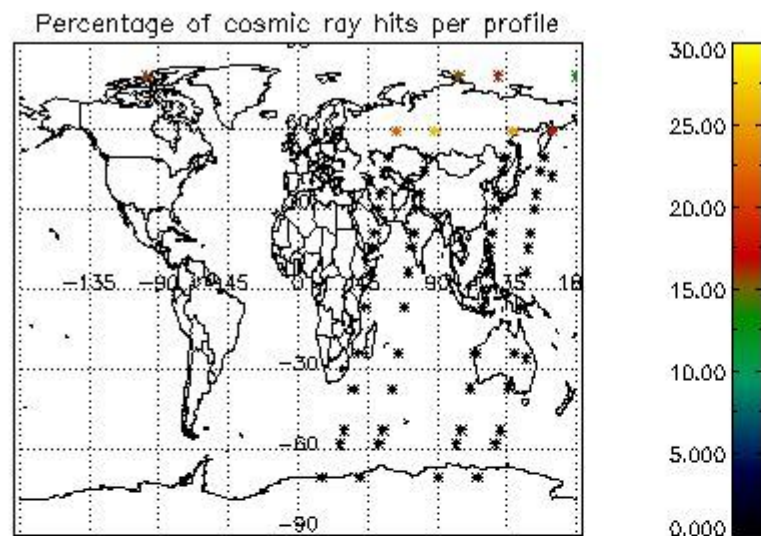
Percentage of star falling outside central band per profile



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

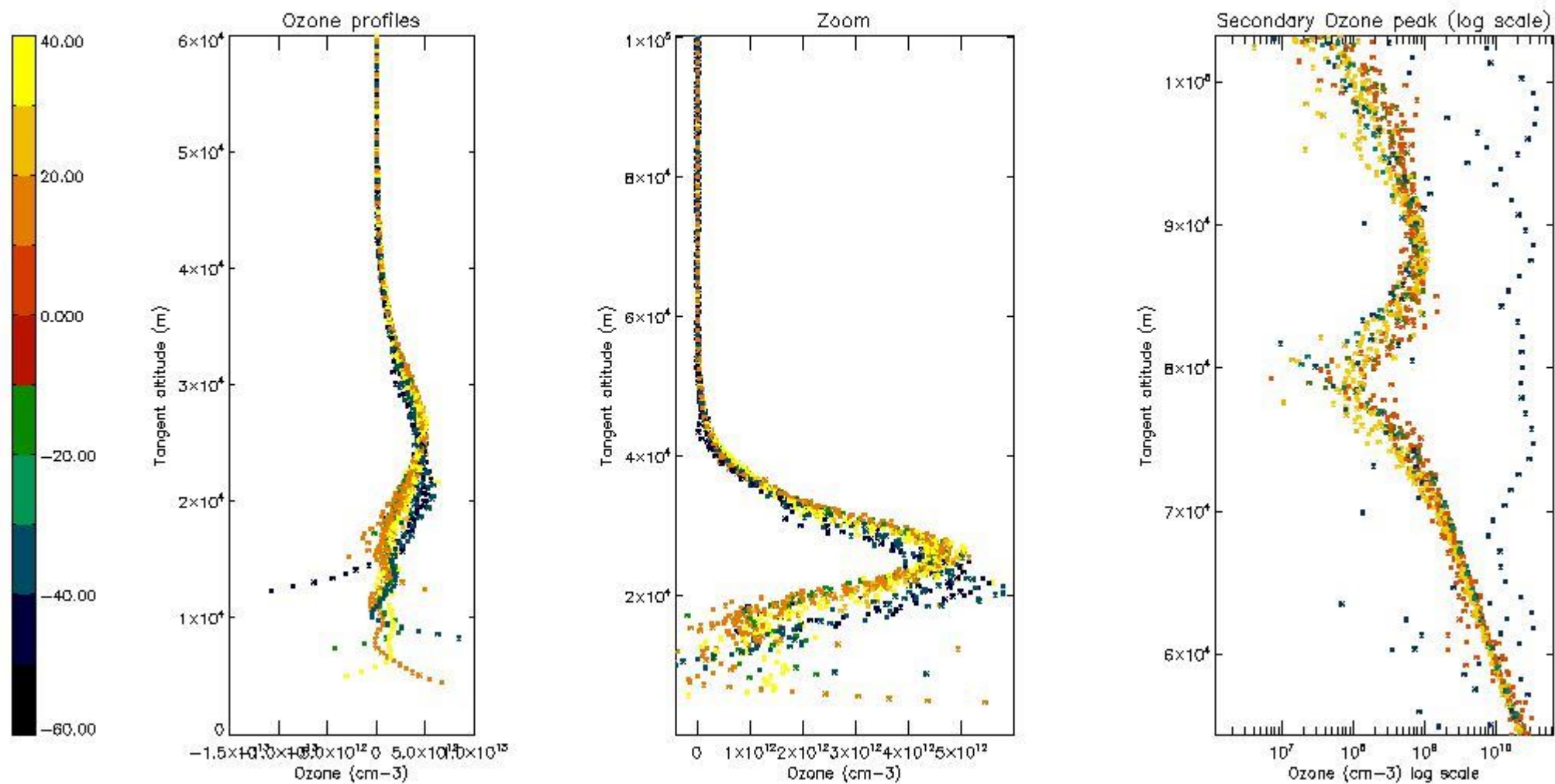
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	27
STD < 20	14

STD < 10	12
STD < 5	9

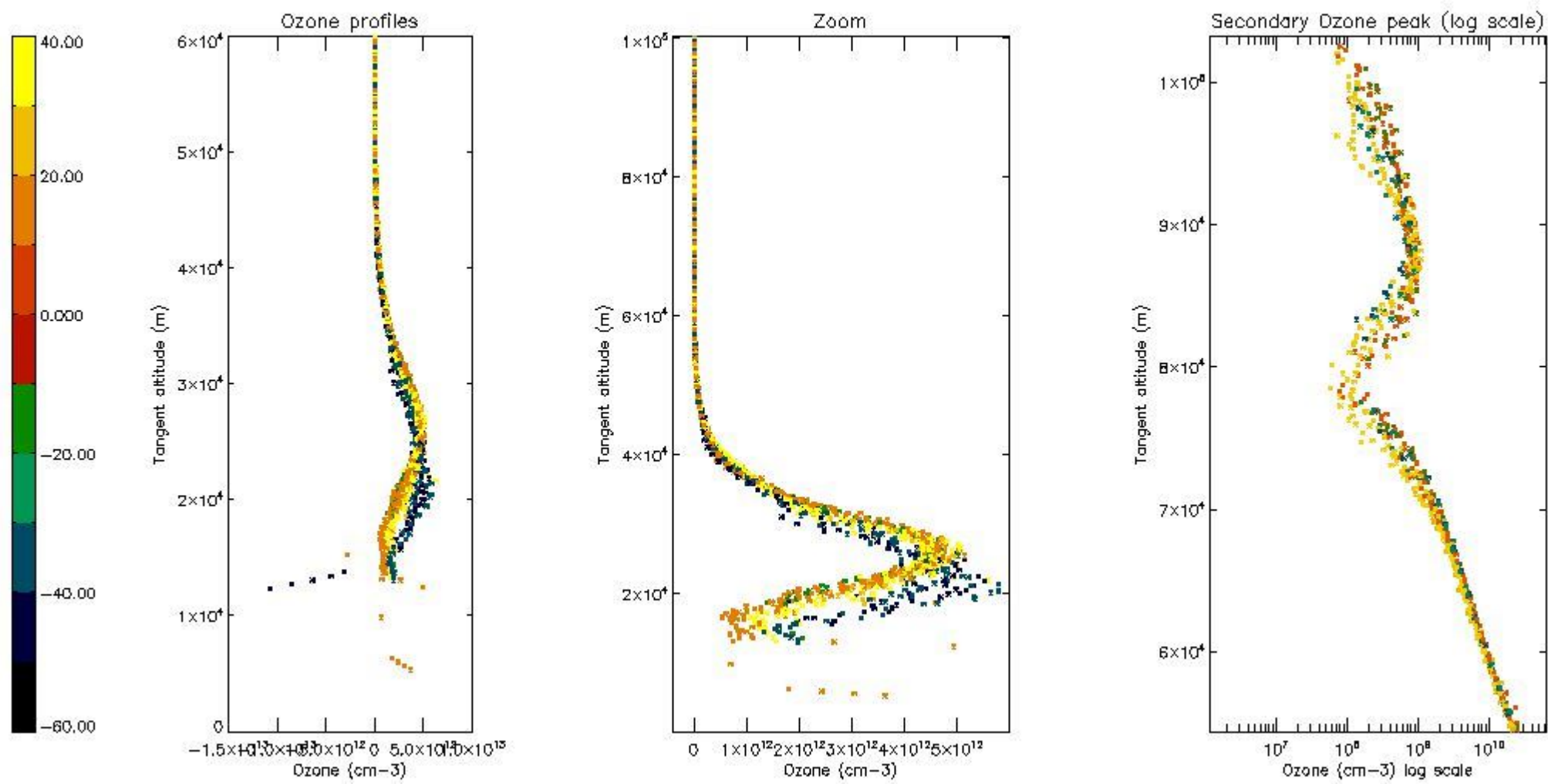
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



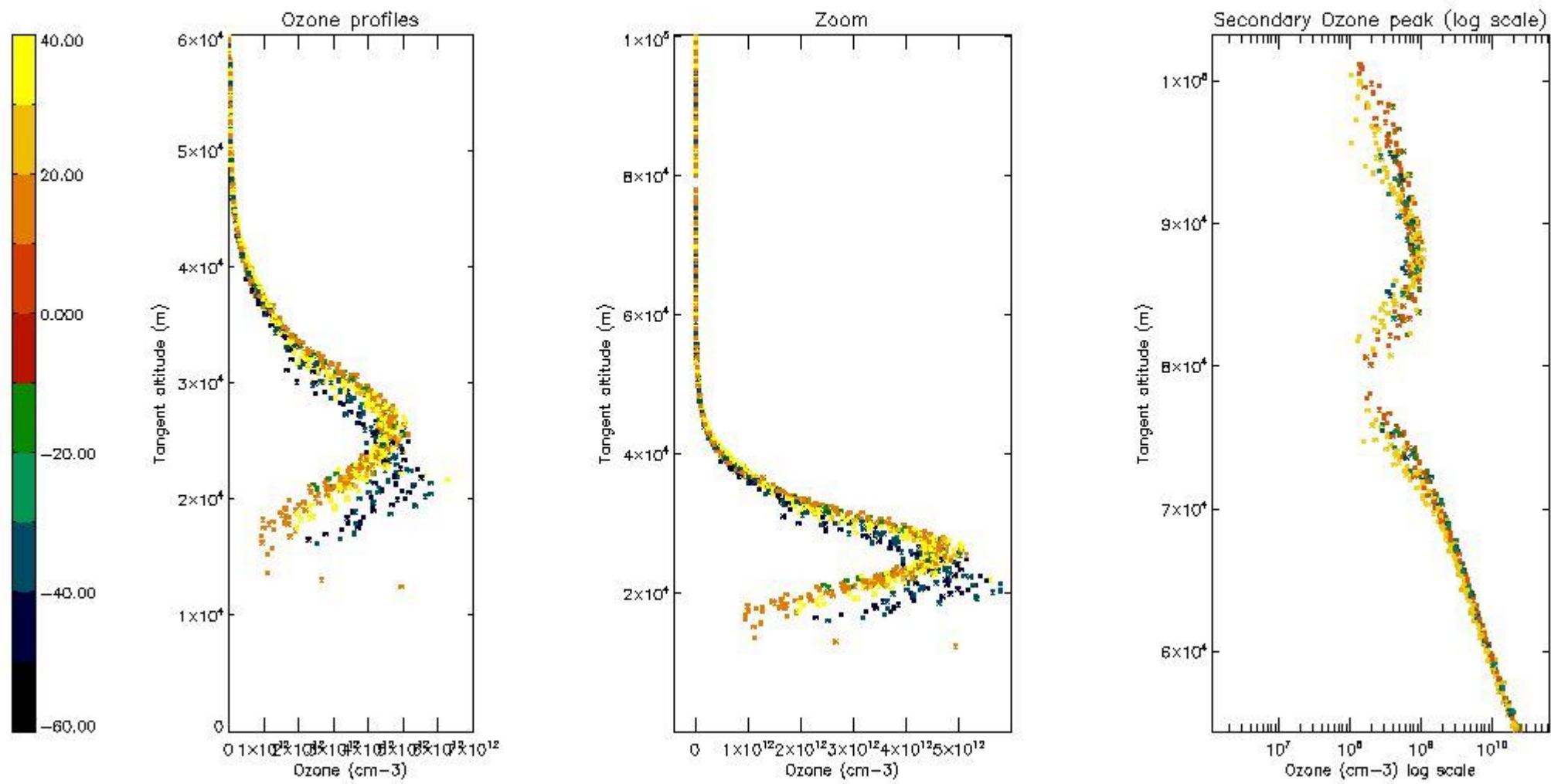
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



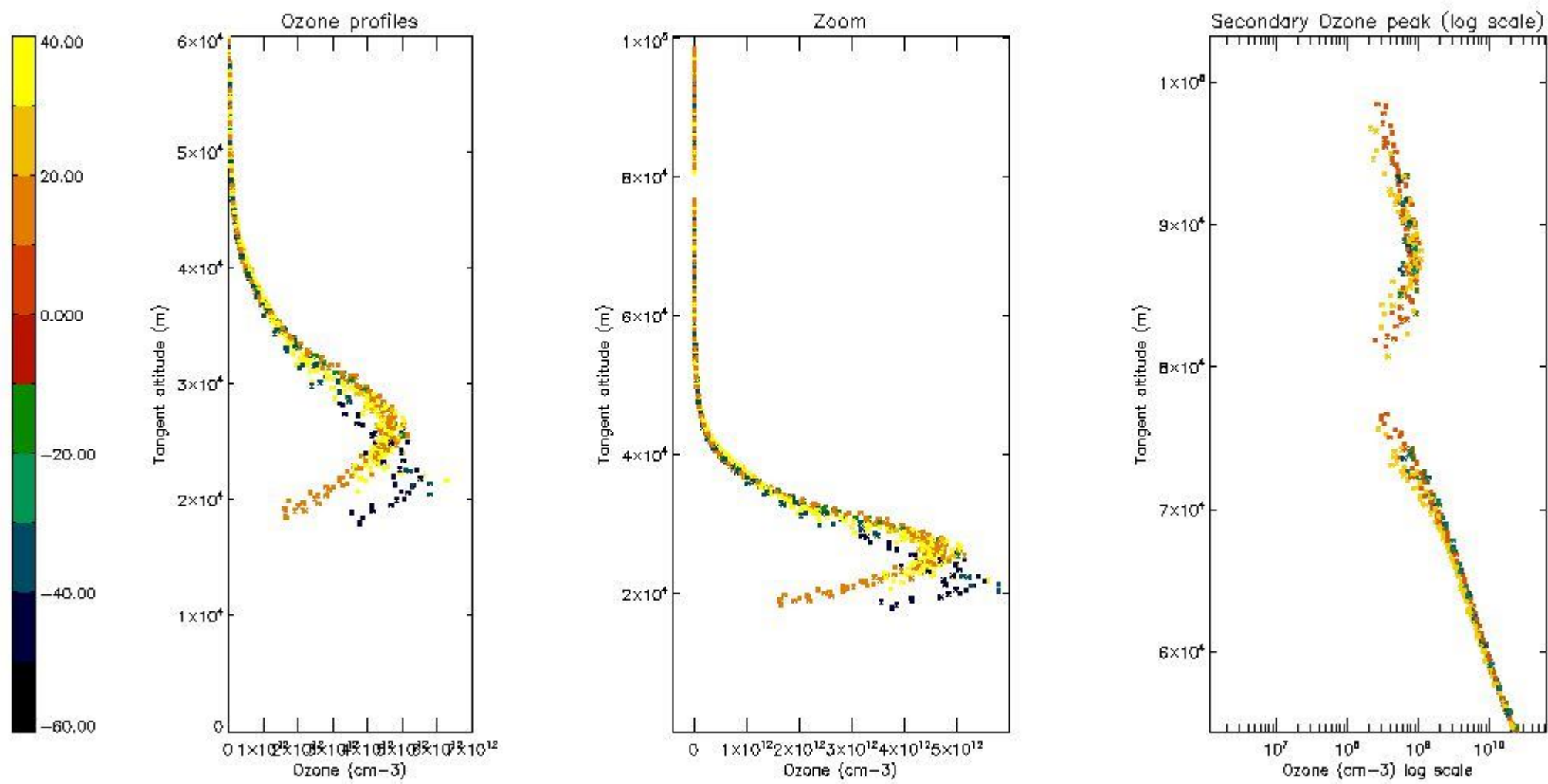
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



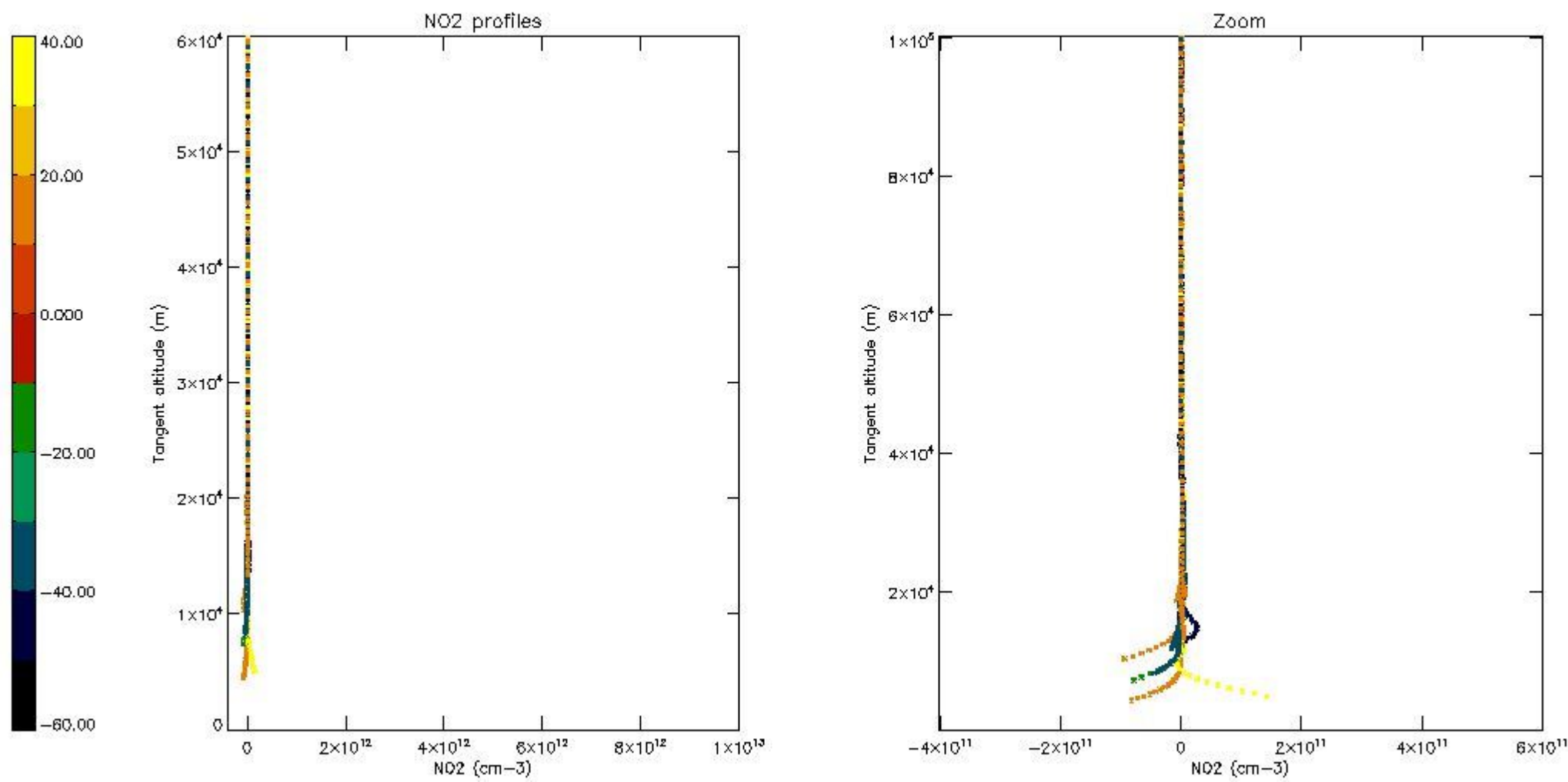
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



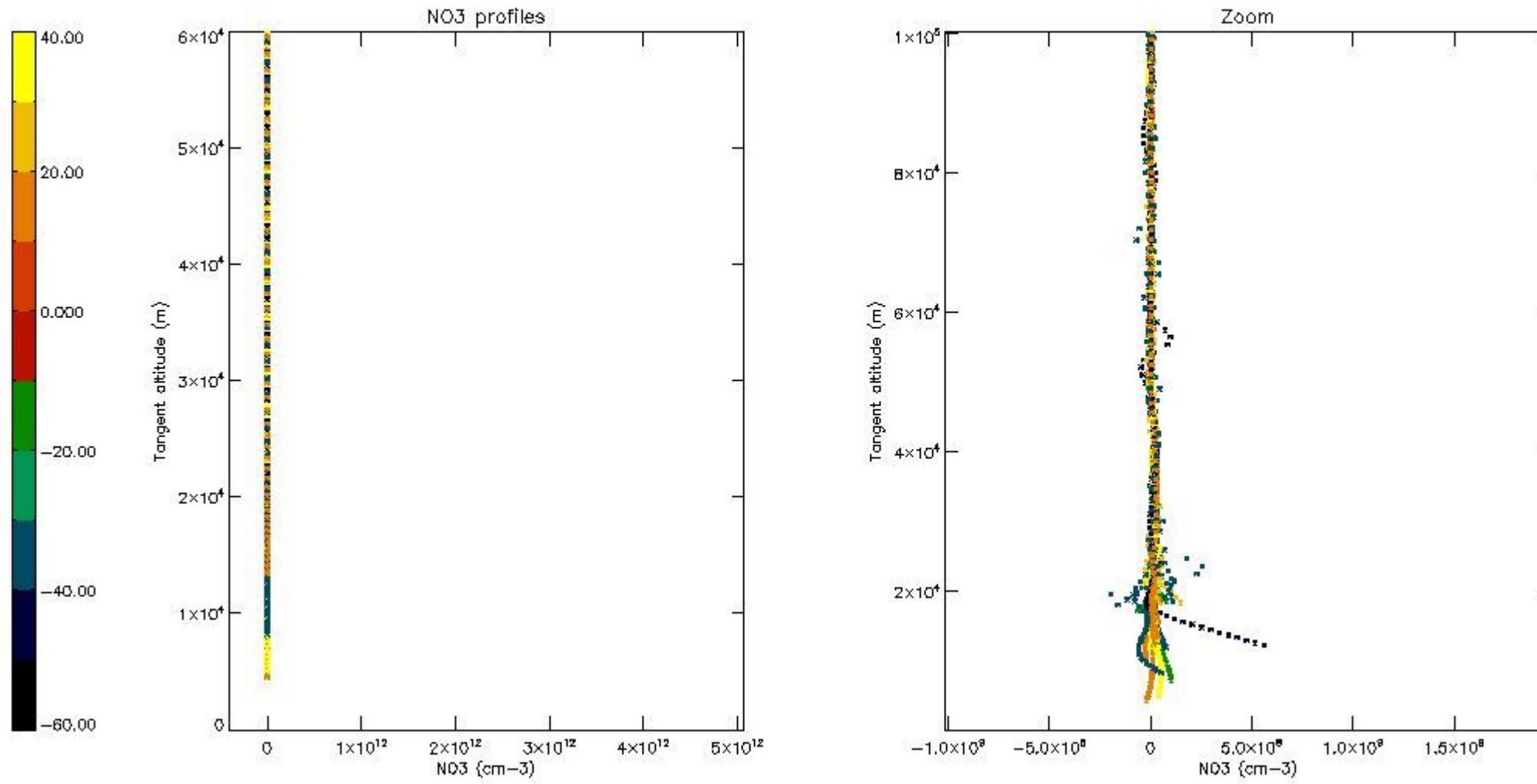
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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	30-OCT-2002 00:02:13
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	30-OCT-2002 00:02:13
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	30-OCT-2002 00:02:13

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 \(time dependant\)](#)

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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 \(world map\)](#)

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

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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 \(dark without errors\)](#)

[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	17APR2013 19:49:45
Data source version	GOMOS/6.01
Start time of products	30-10-2002 (30OCT2002 00:00:00)
Stop time of products	31-10-2002 (31OCT2002 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	131
Nb of prods with errors	27

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__2PRFIN20021030_000213_000000762010_00417_03477_2794.N1	30-OCT-2002 00:02:13	Bright	76.000	94	92Alp Cet	2.5260	3100.0	152	3477	No
2	GOM_NL__2PRFIN20021030_000503_000000422010_00417_03477_2795.N1	30-OCT-2002 00:05:03	Bright	42.000	140	88Gam Peg	2.8340	26000.	84	3477	No
3	GOM_NL__2PRFIN20021030_000633_000000472010_00417_03477_2796.N1	30-OCT-2002 00:06:33	Bright	46.500	105	6Bet Ari	2.6450	8900.0	93	3477	No
4	GOM_NL__2PRFIN20021030_000854_000000442010_00417_03477_2797.N1	30-OCT-2002 00:08:54	Bright	43.500	58	21Alp And	2.0730	11000.	87	3477	No
5	GOM_NL__2PRFIN20021030_001030_000000452010_00417_03477_2798.N1	30-OCT-2002 00:10:30	Bright	45.000	53	43Bet And	2.0480	3300.0	90	3477	No
6	GOM_NL__2PRFIN20021030_001304_000000482010_00417_03477_2799.N1	30-OCT-2002 00:13:04	Bright	47.500	73	57Gam1And	2.2600	13100.	95	3477	No
7	GOM_NL__2PRFIN20021030_001436_000000542010_00417_03477_2800.N1	30-OCT-2002 00:14:36	Bright	54.000	79	26Bet Per	2.3100	13100.	108	3477	No
8	GOM_NL__2PRFIN20021030_001710_000000442010_00417_03477_2801.N1	30-OCT-2002 00:17:10	Bright	43.500	74	11Bet Cas	2.2680	6600.0	87	3477	No
9	GOM_NL__2PRFIN20021030_002048_000000432010_00417_03477_2802.N1	30-OCT-2002 00:20:48	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	3477	No
10	GOM_NL__2PRFIN20021030_002538_000000442010_00417_03477_2803.N1	30-OCT-2002 00:25:38	Bright	44.000	49	1Alp UMi	1.9900	6300.0	88	3477	No
11	GOM_NL__2PRFIN20021030_002922_000000442010_00417_03477_2804.N1	30-OCT-2002 00:29:22	Bright	44.000	60	7Bet UMi	2.0810	3950.0	88	3477	No
12	GOM_NL__2PRFIN20021030_003348_000000472010_00417_03477_2805.N1	30-OCT-2002 00:33:48	Bright	46.500	36	50Alp UMa	1.8000	6300.0	93	3477	No
13	GOM_NL__2PRFIN20021030_003518_000000422010_00417_03477_2806.N1	30-OCT-2002 00:35:18	Bright	42.000	32	77Eps UMa	1.7630	11000.	84	3477	No
14	GOM_NL__2PRFIN20021030_003903_000000472010_00417_03477_2807.N1	30-OCT-2002 00:39:03	Bright	46.500	174	52Psi UMa	3.0040	4400.0	93	3477	No
15	GOM_NL__2PRFIN20021030_004527_000002552010_00417_03477_2808.N1	30-OCT-2002 00:45:27	Twilight	255.00	24	66Alp Gem	1.5800	10200.	510	3477	No
16	GOM_NL__2PRFIN20021030_005009_000002552010_00417_03477_2809.N1	30-OCT-2002 00:50:09	Straylight	255.00	17	78Bet Gem	1.1610	4500.0	510	3477	No
17	GOM_NL__2PRFIN20021030_005932_000000762010_00417_03477_2810.N1	30-OCT-2002 00:59:32	Dark	76.000	48	30Alp Hya	1.9770	4100.0	152	3477	No
18	GOM_NL__2PRFIN20021030_010725_000000442010_00417_03477_2811.N1	30-OCT-2002 01:07:25	Dark	43.500	129	Del Cru	2.7930	26000.	87	3477	No
19	GOM_NL__2PRFIN20021030_011229_000000462010_00418_03478_9282.N1	30-OCT-2002 01:12:29	Dark	45.500	29	Bet Car	1.6720	10200.	91	3478	No
20	GOM_NL__2PRFIN20021030_011526_000000702010_00418_03478_9283.N1	30-OCT-2002 01:15:26	Dark	70.000	117	Pi Pup	2.7060	3800.0	140	3478	No
21	GOM_NL__2PRFIN20021030_011729_000000572010_00418_03478_9284.N1	30-OCT-2002 01:17:29	Dark	57.000	2	Alp Car	-0.73600	7000.0	114	3478	No
22	GOM_NL__2PRFIN20021030_012325_000000452010_00418_03478_9285.N1	30-OCT-2002 01:23:25	Dark	45.000	143	Alp Hyi	2.8570	7200.0	90	3478	No
23	GOM_NL__2PRFIN20021030_012448_000000512010_00418_03478_9286.N1	30-OCT-2002 01:24:48	Dark	50.500	9	Alp Eri	0.45300	24000.	101	3478	No
24	GOM_NL__2PRFIN20021030_012934_000000492010_00418_03478_9287.N1	30-OCT-2002 01:29:34	Straylight	49.000	84	Alp Phe	2.3970	4500.0	98	3478	No
25	GOM_NL__2PRFIN20021030_013610_000000552010_00418_03478_9288.N1	30-OCT-2002 01:36:10	Straylight	55.000	52	16Bet Cet	2.0370	4500.0	110	3478	No
26	GOM_NL__2PRFIN20021030_014249_000000792010_00418_03478_9289.N1	30-OCT-2002 01:42:49	Bright	79.000	94	92Alp Cet	2.5260	3100.0	158	3478	No
27	GOM_NL__2PRFIN20021030_014539_000000422010_00418_03478_9290.N1	30-OCT-2002 01:45:39	Bright	42.000	140	88Gam Peg	2.8340	26000.	84	3478	No
28	GOM_NL__2PRFIN20021030_014709_000000482010_00418_03478_9291.N1	30-OCT-2002 01:47:09	Bright	47.500	105	6Bet Ari	2.6450	8900.0	95	3478	No
29	GOM_NL__2PRFIN20021030_014930_000000432010_00418_03478_9292.N1	30-OCT-2002 01:49:30	Bright	43.000	58	21Alp And	2.0730	11000.	86	3478	No
30	GOM_NL__2PRFIN20021030_015106_000000482010_00418_03478_9293.N1	30-OCT-2002 01:51:06	Bright	47.500	53	43Bet And	2.0480	3300.0	95	3478	No
31	GOM_NL__2PRFIN20021030_015340_000000482010_00418_03478_9294.N1	30-OCT-2002 01:53:40	Bright	47.500	73	57Gam1And	2.2600	13100.	95	3478	No
32	GOM_NL__2PRFIN20021030_015512_000000532010_00418_03478_9295.N1	30-OCT-2002 01:55:12	Bright	53.000	79	26Bet Per	2.3100	13100.	106	3478	No
33	GOM_NL__2PRFIN20021030_015746_000000402010_00418_03478_9296.N1	30-OCT-2002 01:57:46	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	3478	No
34	GOM_NL__2PRFIN20021030_020125_000000442010_00418_03478_9297.N1	30-OCT-2002 02:01:25	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	3478	No
35	GOM_NL__2PRFIN20021030_020614_000000432010_00418_03478_9298.N1	30-OCT-2002 02:06:14	Bright	43.000	49	1Alp UMi	1.9900	6300.0	86	3478	No
36	GOM_NL__2PRFIN20021030_020958_000000462010_00418_03478_9299.N1	30-OCT-2002 02:09:58	Bright	45.500	60	7Bet UMi	2.0810	3950.0	91	3478	No
37	GOM_NL__2PRFIN20021030_021424_000000462010_00418_03478_9300.N1	30-OCT-2002 02:14:24	Bright	46.000	36	50Alp UMa	1.8000	6300.0	92	3478	No
38	GOM_NL__2PRFIN20021030_021553_000000442010_00418_03478_9301.N1	30-OCT-2002 02:15:53	Bright	44.000	32	77Eps UMa	1.7630	11000.	88	3478	No
39	GOM_NL__2PRFIN20021030_021937_000000472010_00418_03478_9302.N1	30-OCT-2002 02:19:37	Bright	47.000	174	52Psi UMa	3.0040	4400.0	94	3478	No
40	GOM_NL__2PRFIN20021030_025305_000000462010_00419_03479_9282.N1	30-OCT-2002 02:53:05	Dark	45.500	29	Bet Car	1.6720	10200.	91	3479	No
41	GOM_NL__2PRFIN20021030_025603_000000812010_00419_03479_9283.N1	30-OCT-2002 02:56:03	Dark	80.500	117	Pi Pup	2.7060	3800.0	161	3479	No
42	GOM_NL__2PRFIN20021030_025805_000000702010_00419_03479_9284.N1	30-OCT-2002 02:58:05	Dark	70.000	2	Alp Car	-0.73600	7000.0	140	3479	No

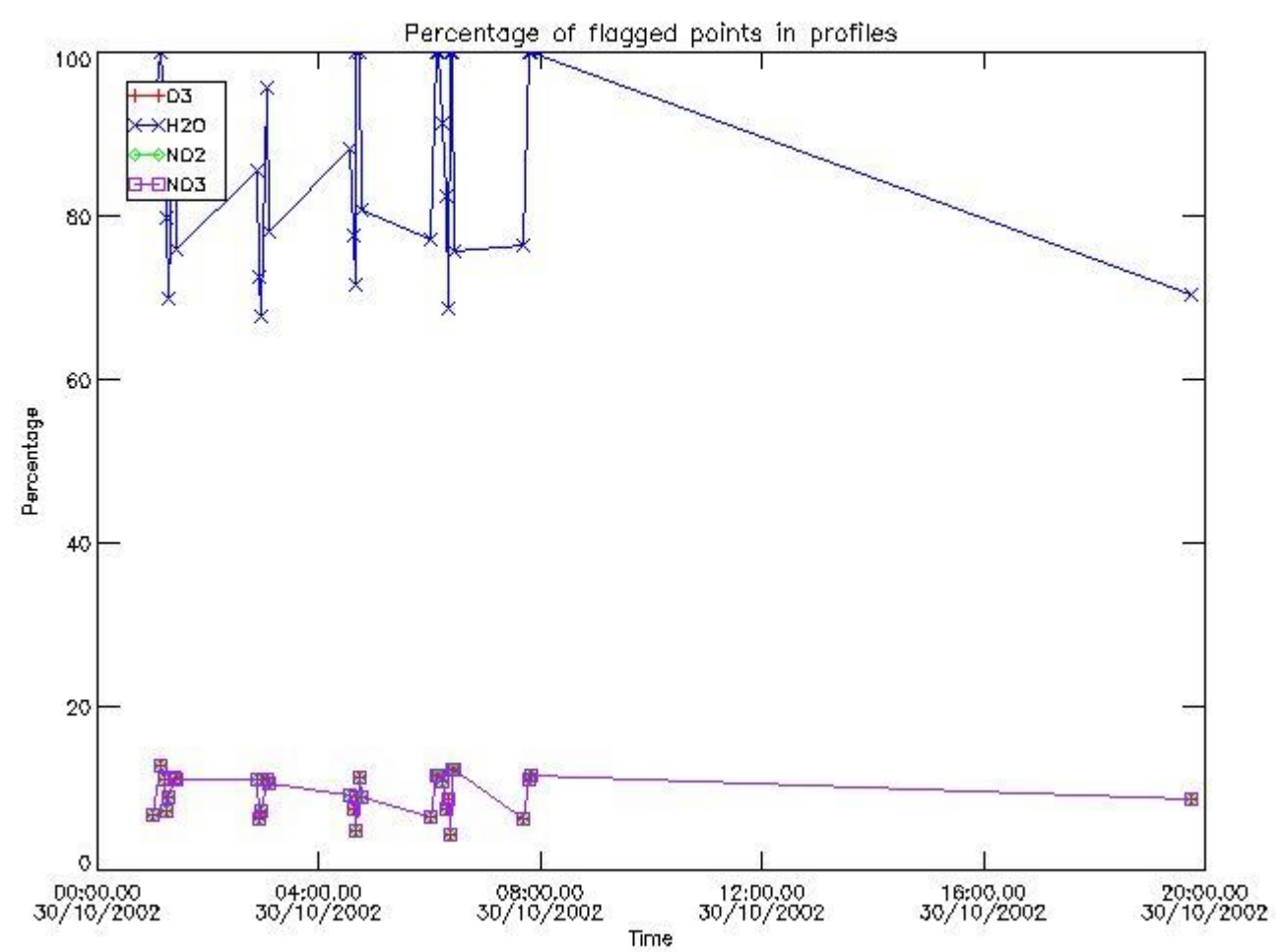
43	GOM_NL__2PRFIN20021030_030400_000000462010_00419_03479_9285.N1	30-OCT-2002 03:04:00	Dark	45.500	143	Alp Hyi	2.8570	7200.0	91	3479	No
44	GOM_NL__2PRFIN20021030_030524_000000492010_00419_03479_9286.N1	30-OCT-2002 03:05:24	Dark	48.500	9	Alp Eri	0.45300	24000.	97	3479	No
45	GOM_NL__2PRFIN20021030_031010_000000512010_00419_03479_9287.N1	30-OCT-2002 03:10:10	Straylight	50.500	84	Alp Phe	2.3970	4500.0	101	3479	No
46	GOM_NL__2PRFIN20021030_043342_000000552010_00420_03480_2757.N1	30-OCT-2002 04:33:42	Dark	55.000	29	Bet Car	1.6720	10200.	110	3480	No
47	GOM_NL__2PRFIN20021030_043640_000000742010_00420_03480_2758.N1	30-OCT-2002 04:36:40	Dark	74.000	117	Pi Pup	2.7060	3800.0	148	3480	No
48	GOM_NL__2PRFIN20021030_043842_000000572010_00420_03480_2759.N1	30-OCT-2002 04:38:42	Dark	56.500	2	Alp Car	-0.73600	7000.0	113	3480	No
49	GOM_NL__2PRFIN20021030_044033_000001172010_00420_03480_2760.N1	30-OCT-2002 04:40:33	Dark	117.00	179	24Omi2CMa	3.0320	24000.	234	3480	No
50	GOM_NL__2PRFIN20021030_044437_000000452010_00420_03480_2761.N1	30-OCT-2002 04:44:37	Dark	45.000	143	Alp Hyi	2.8570	7200.0	90	3480	No
51	GOM_NL__2PRFIN20021030_044600_000000582010_00420_03480_2762.N1	30-OCT-2002 04:46:00	Dark	57.500	9	Alp Eri	0.45300	24000.	115	3480	No
52	GOM_NL__2PRFIN20021030_044924_000002202010_00420_03480_2763.N1	30-OCT-2002 04:49:24	Straylight	220.00	1	9Alp CMa	-1.4400	11000.	440	3480	No
53	GOM_NL__2PRFIN20021030_045721_000000492010_00420_03480_2764.N1	30-OCT-2002 04:57:21	Straylight	48.500	52	16Bet Cet	2.0370	4500.0	97	3480	No
54	GOM_NL__2PRFIN20021030_050359_000000792010_00420_03480_2765.N1	30-OCT-2002 05:03:59	Bright	79.000	94	92Alp Cet	2.5260	3100.0	158	3480	No
55	GOM_NL__2PRFIN20021030_050651_000000432010_00420_03480_2766.N1	30-OCT-2002 05:06:51	Bright	43.000	140	88Gam Peg	2.8340	26000.	86	3480	No
56	GOM_NL__2PRFIN20021030_050820_000000482010_00420_03480_2767.N1	30-OCT-2002 05:08:20	Bright	47.500	105	6Bet Ari	2.6450	8900.0	95	3480	No
57	GOM_NL__2PRFIN20021030_051043_000000442010_00420_03480_2768.N1	30-OCT-2002 05:10:43	Bright	43.500	58	21Alp And	2.0730	11000.	87	3480	No
58	GOM_NL__2PRFIN20021030_051218_000000462010_00420_03480_2769.N1	30-OCT-2002 05:12:18	Bright	46.000	53	43Bet And	2.0480	3300.0	92	3480	No
59	GOM_NL__2PRFIN20021030_051451_000000502010_00420_03480_2770.N1	30-OCT-2002 05:14:51	Bright	50.000	73	57Gam1And	2.2600	13100.	100	3480	No
60	GOM_NL__2PRFIN20021030_051622_000000562010_00420_03480_2771.N1	30-OCT-2002 05:16:22	Bright	56.000	79	26Bet Per	2.3100	13100.	112	3480	No
61	GOM_NL__2PRFIN20021030_051857_000000442010_00420_03480_2772.N1	30-OCT-2002 05:18:57	Bright	44.000	74	11Bet Cas	2.2680	6600.0	88	3480	No
62	GOM_NL__2PRFIN20021030_052237_000000432010_00420_03480_2773.N1	30-OCT-2002 05:22:37	Bright	43.000	89	5Alp Cep	2.4510	8000.0	86	3480	No
63	GOM_NL__2PRFIN20021030_052726_000000452010_00420_03480_2774.N1	30-OCT-2002 05:27:26	Bright	44.500	49	1Alp UMi	1.9900	6300.0	89	3480	No
64	GOM_NL__2PRFIN20021030_053110_000000452010_00420_03480_2775.N1	30-OCT-2002 05:31:10	Bright	44.500	60	7Bet UMi	2.0810	3950.0	89	3480	No
65	GOM_NL__2PRFIN20021030_053536_000000492010_00420_03480_2776.N1	30-OCT-2002 05:35:36	Bright	48.500	36	50Alp UMa	1.8000	6300.0	97	3480	No
66	GOM_NL__2PRFIN20021030_053706_000000432010_00420_03480_2777.N1	30-OCT-2002 05:37:06	Bright	42.500	32	77Eps UMa	1.7630	11000.	85	3480	No
67	GOM_NL__2PRFIN20021030_054051_000000472010_00420_03480_2778.N1	30-OCT-2002 05:40:51	Bright	47.000	174	52Psi UMa	3.0040	4400.0	94	3480	No
68	GOM_NL__2PRFIN20021030_054716_000002552010_00420_03480_2779.N1	30-OCT-2002 05:47:16	Tw_i_and_stray	255.00	24	66Alp Gem	1.5800	10200.	510	3480	No
69	GOM_NL__2PRFIN20021030_055205_000002552010_00420_03480_2780.N1	30-OCT-2002 05:52:05	Straylight	255.00	17	78Bet Gem	1.1610	4500.0	510	3480	No
70	GOM_NL__2PRFIN20021030_060124_000000772010_00420_03480_2781.N1	30-OCT-2002 06:01:24	Dark	77.000	48	30Alp Hya	1.9770	4100.0	154	3480	No
71	GOM_NL__2PRFIN20021030_060702_000000442010_00420_03480_2782.N1	30-OCT-2002 06:07:02	Dark	44.000	99	Del Cen	2.5750	26000.	88	3480	No
72	GOM_NL__2PRFIN20021030_060912_000000442010_00420_03480_2783.N1	30-OCT-2002 06:09:12	Dark	44.000	129	Del Cru	2.7930	26000.	88	3480	No
73	GOM_NL__2PRFIN20021030_061418_000000472010_00421_03481_2233.N1	30-OCT-2002 06:14:18	Dark	46.500	29	Bet Car	1.6720	10200.	93	3481	No
74	GOM_NL__2PRFIN20021030_061718_000000692010_00421_03481_2234.N1	30-OCT-2002 06:17:18	Dark	69.000	117	Pi Pup	2.7060	3800.0	138	3481	No
75	GOM_NL__2PRFIN20021030_061919_000000602010_00421_03481_2235.N1	30-OCT-2002 06:19:19	Dark	59.500	2	Alp Car	-0.73600	7000.0	119	3481	No
76	GOM_NL__2PRFIN20021030_062112_000001162010_00421_03481_2236.N1	30-OCT-2002 06:21:12	Dark	115.50	179	24Omi2CMa	3.0320	24000.	231	3481	No
77	GOM_NL__2PRFIN20021030_062513_000000462010_00421_03481_2237.N1	30-OCT-2002 06:25:13	Dark	45.500	143	Alp Hyi	2.8570	7200.0	91	3481	No
78	GOM_NL__2PRFIN20021030_062636_000000502010_00421_03481_2238.N1	30-OCT-2002 06:26:36	Dark	50.000	9	Alp Eri	0.45300	24000.	100	3481	No
79	GOM_NL__2PRFIN20021030_063004_000002202010_00421_03481_2239.N1	30-OCT-2002 06:30:04	Straylight	220.00	1	9Alp CMa	-1.4400	11000.	440	3481	No
80	GOM_NL__2PRFIN20021030_063758_000000492010_00421_03481_2240.N1	30-OCT-2002 06:37:58	Straylight	49.000	52	16Bet Cet	2.0370	4500.0	98	3481	No
81	GOM_NL__2PRFIN20021030_064435_000000722010_00421_03481_2241.N1	30-OCT-2002 06:44:35	Bright	71.500	94	92Alp Cet	2.5260	3100.0	143	3481	No
82	GOM_NL__2PRFIN20021030_064727_000000432010_00421_03481_2242.N1	30-OCT-2002 06:47:27	Bright	43.000	140	88Gam Peg	2.8340	26000.	86	3481	No
83	GOM_NL__2PRFIN20021030_064855_000000482010_00421_03481_2243.N1	30-OCT-2002 06:48:55	Bright	47.500	105	6Bet Ari	2.6450	8900.0	95	3481	No
84	GOM_NL__2PRFIN20021030_065119_000000432010_00421_03481_2244.N1	30-OCT-2002 06:51:19	Bright	43.000	58	21Alp And	2.0730	11000.	86	3481	No
85	GOM_NL__2PRFIN20021030_065254_000000452010_00421_03481_2245.N1	30-OCT-2002 06:52:54	Bright	44.500	53	43Bet And	2.0480	3300.0	89	3481	No
86	GOM_NL__2PRFIN20021030_065527_000000472010_00421_03481_2246.N1	30-OCT-2002 06:55:27	Bright	47.000	73	57Gam1And	2.2600	13100.	94	3481	No
87	GOM_NL__2PRFIN20021030_065657_000000552010_00421_03481_2247.N1	30-OCT-2002 06:56:57	Bright	55.000	79	26Bet Per	2.3100	13100.	110	3481	No
88	GOM_NL__2PRFIN20021030_065933_000000432010_00421_03481_2248.N1	30-OCT-2002 06:59:33	Bright	43.000	74	11Bet Cas	2.2680	6600.0	86	3481	No
89	GOM_NL__2PRFIN20021030_070314_000000442010_00421_03481_2249.N1	30-OCT-2002 07:03:14	Bright	44.000	89	5Alp Cep	2.4510	8000.0	88	3481	No
90	GOM_NL__2PRFIN20021030_070802_000000442010_00421_03481_2250.N1	30-OCT-2002 07:08:02	Bright	44.000	49	1Alp UMi	1.9900	6300.0	88	3481	No
91	GOM_NL__2PRFIN20021030_071147_000000452010_00421_03481_2251.N1	30-OCT-2002 07:11:47	Bright	45.000	60	7Bet UMi	2.0810	3950.0	90	3481	No
92	GOM_NL__2PRFIN20021030_071612_000000482010_00421_03481_2252.N1	30-OCT-2002 07:16:12	Bright	48.000	36	50Alp UMa	1.8000	6300.0	96	3481	No
93	GOM_NL__2PRFIN20021030_071742_000000442010_00421_03481_2253.N1	30-OCT-2002 07:17:42	Bright	44.000	32	77Eps UMa	1.7630	11000.	88	3481	No
94	GOM_NL__2PRFIN20021030_072127_000000442010_00421_03481_2254.N1	30-OCT-2002 07:21:27	Bright	44.000	174	52Psi UMa	3.0040	4400.0	88	3481	No
95	GOM_NL__2PRFIN20021030_072753_000002552010_00421_03481_2255.N1	30-OCT-2002 07:27:53	Tw_i_and_stray	255.00	24	66Alp Gem	1.5800	10200.	510	3481	No
96	GOM_NL__2PRFIN20021030_073245_000002552010_00421_03481_2256.N1	30-OCT-2002 07:32:45	Straylight	255.00	17	78Bet Gem	1.1610	4500.0	510	3481	No
97	GOM_NL__2PRFIN20021030_074201_000000832010_00421_03481_2257.N1	30-OCT-2002 07:42:01	Dark	83.000	48	30Alp Hya	1.9770	4100.0	166	3481	No
98	GOM_NL__2PRFIN20021030_074738_000000462010_00421_03481_2258.N1	30-OCT-2002 07:47:38	Dark	45.500	99	Del Cen	2.5750	26000.	91	3481	No
99	GOM_NL__2PRFIN20021030_074949_000000452010_00421_03481_2259.N1	30-OCT-2002 07:49:49	Dark	44.500	129	Del Cru	2.7930	26000.	89	3481	No
100	GOM_NL__2PRFIN20021030_194412_000000592010_00429_03489_9282.N1	30-OCT-2002 19:44:12	Dark	59.000	2	Alp Car	-0.73600	7000.0	118	3489	No
101	GOM_NL__2PRFIN20021030_195611_000000482010_00429_03489_3004.N1	30-OCT-2002 19:56:11	Straylight	48.000	84	Alp Phe	2.3970	4500.0	96	3489	No

102	GOM_NL__2PRFIN20021030_200246_000000512010_00429_03489_3005.N1	30-OCT-2002 20:02:46	Straylight	50.500	52	16Bet Cet	2.0370	4500.0	101	3489	No
103	GOM_NL__2PRFIN20021030_211854_000000222010_00430_03490_9281.N1	30-OCT-2002 21:18:54	Dark	21.500	46	Del Vel	1.9540	10600.	43	3490	Yes
104	GOM_NL__2PRFIN20021030_212337_000000322010_00430_03490_9282.N1	30-OCT-2002 21:23:37	Dark	32.000	117	Pi Pup	2.7060	3800.0	64	3490	Yes
105	GOM_NL__2PRFIN20021030_212523_000000262010_00430_03490_9283.N1	30-OCT-2002 21:25:23	Dark	26.000	2	Alp Car	-0.73600	7000.0	52	3490	Yes
106	GOM_NL__2PRFIN20021030_212653_000000492010_00430_03490_9284.N1	30-OCT-2002 21:26:53	Dark	48.500	23	21Eps CMa	1.5020	26000.	97	3490	Yes
107	GOM_NL__2PRFIN20021030_213106_000000162010_00430_03490_9285.N1	30-OCT-2002 21:31:06	Dark	16.000	143	Alp Hyi	2.8570	7200.0	32	3490	Yes
108	GOM_NL__2PRFIN20021030_213230_000000242010_00430_03490_9286.N1	30-OCT-2002 21:32:30	Dark	24.000	9	Alp Eri	0.45300	24000.	48	3490	Yes
109	GOM_NL__2PRFIN20021030_213546_000000202010_00430_03490_9287.N1	30-OCT-2002 21:35:46	Dark	19.500	157	The1Eri	2.9060	9300.0	39	3490	Yes
110	GOM_NL__2PRFIN20021030_213715_000000192010_00430_03490_9288.N1	30-OCT-2002 21:37:15	Dark	18.500	84	Alp Phe	2.3970	4500.0	37	3490	Yes
111	GOM_NL__2PRFIN20021030_225809_000000182010_00431_03491_9281.N1	30-OCT-2002 22:58:09	Dark	17.500	91	Kap Vel	2.4900	26000.	35	3491	Yes
112	GOM_NL__2PRFIN20021030_225931_000000192010_00431_03491_9282.N1	30-OCT-2002 22:59:31	Dark	19.000	46	Del Vel	1.9540	10600.	38	3491	Yes
113	GOM_NL__2PRFIN20021030_230415_000000282010_00431_03491_9283.N1	30-OCT-2002 23:04:15	Dark	27.500	117	Pi Pup	2.7060	3800.0	55	3491	Yes
114	GOM_NL__2PRFIN20021030_230600_000000272010_00431_03491_9284.N1	30-OCT-2002 23:06:00	Dark	27.000	2	Alp Car	-0.73600	7000.0	54	3491	Yes
115	GOM_NL__2PRFIN20021030_230731_000000442010_00431_03491_9285.N1	30-OCT-2002 23:07:31	Dark	43.500	23	21Eps CMa	1.5020	26000.	87	3491	Yes
116	GOM_NL__2PRFIN20021030_231143_000000182010_00431_03491_9286.N1	30-OCT-2002 23:11:43	Dark	18.000	143	Alp Hyi	2.8570	7200.0	36	3491	Yes
117	GOM_NL__2PRFIN20021030_231306_000000202010_00431_03491_9287.N1	30-OCT-2002 23:13:06	Dark	19.500	9	Alp Eri	0.45300	24000.	39	3491	Yes
118	GOM_NL__2PRFIN20021030_231622_000000122010_00431_03491_9288.N1	30-OCT-2002 23:16:22	Dark	11.500	157	The1Eri	2.9060	9300.0	23	3491	Yes
119	GOM_NL__2PRFIN20021030_233109_000000282010_00431_03491_2264.N1	30-OCT-2002 23:31:09	Dark	28.000	94	92Alp Cet	2.5260	3100.0	56	3491	Yes
120	GOM_NL__2PRFIN20021030_233357_000000142010_00431_03491_2265.N1	30-OCT-2002 23:33:57	Dark	13.500	140	88Gam Peg	2.8340	26000.	27	3491	Yes
121	GOM_NL__2PRFIN20021030_233524_000000172010_00431_03491_2266.N1	30-OCT-2002 23:35:24	Bright	16.500	105	6Bet Ari	2.6450	8900.0	33	3491	No
122	GOM_NL__2PRFIN20021030_233623_000000192010_00431_03491_2267.N1	30-OCT-2002 23:36:23	Dark	18.500	50	13Alp Ari	2.0070	4250.0	37	3491	Yes
123	GOM_NL__2PRFIN20021030_233748_000000172010_00431_03491_2268.N1	30-OCT-2002 23:37:48	Dark	16.500	58	21Alp And	2.0730	11000.	33	3491	Yes
124	GOM_NL__2PRFIN20021030_233921_000000182010_00431_03491_2269.N1	30-OCT-2002 23:39:21	Dark	18.000	53	43Bet And	2.0480	3300.0	36	3491	Yes
125	GOM_NL__2PRFIN20021030_234154_000000172010_00431_03491_2270.N1	30-OCT-2002 23:41:54	Dark	17.000	73	57Gam1And	2.2600	13100.	34	3491	Yes
126	GOM_NL__2PRFIN20021030_234326_000000202010_00431_03491_2271.N1	30-OCT-2002 23:43:26	Dark	19.500	79	26Bet Per	2.3100	13100.	39	3491	Yes
127	GOM_NL__2PRFIN20021030_234513_000000162010_00431_03491_2272.N1	30-OCT-2002 23:45:13	Dark	16.000	68	18Alp Cas	2.2250	4500.0	32	3491	Yes
128	GOM_NL__2PRFIN20021030_234626_000000152010_00431_03491_2273.N1	30-OCT-2002 23:46:26	Dark	15.000	76	27Gam Cas	2.3000	30000.	30	3491	Yes
129	GOM_NL__2PRFIN20021030_234946_000000162010_00431_03491_2274.N1	30-OCT-2002 23:49:46	Dark	16.000	89	5Alp Cep	2.4510	8000.0	32	3491	Yes
130	GOM_NL__2PRFIN20021030_235430_000000152010_00431_03491_2275.N1	30-OCT-2002 23:54:30	Bright	15.000	49	1Alp UMi	1.9900	6300.0	30	3491	No
131	GOM_NL__2PRFIN20021030_235816_000000152010_00431_03491_2276.N1	30-OCT-2002 23:58:16	Dark	15.000	60	7Bet UMi	2.0810	3950.0	30	3491	Yes

3. Quality information per product

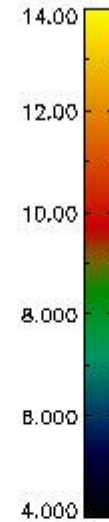
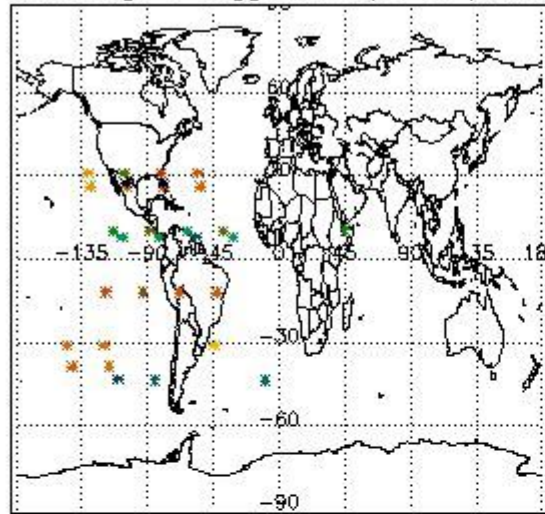
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

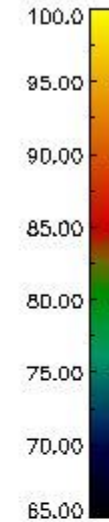
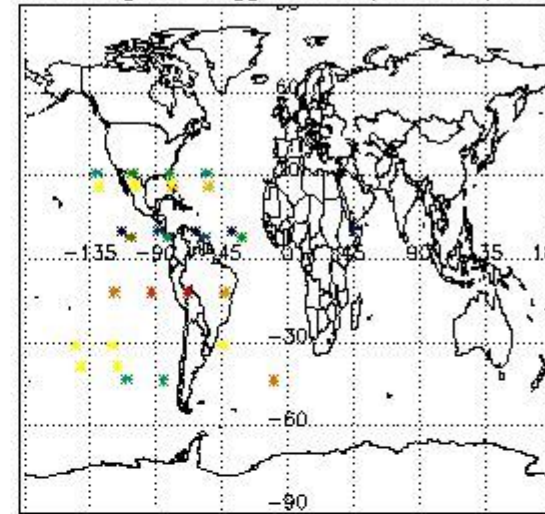


3.2 Plot quality information per product (world map)

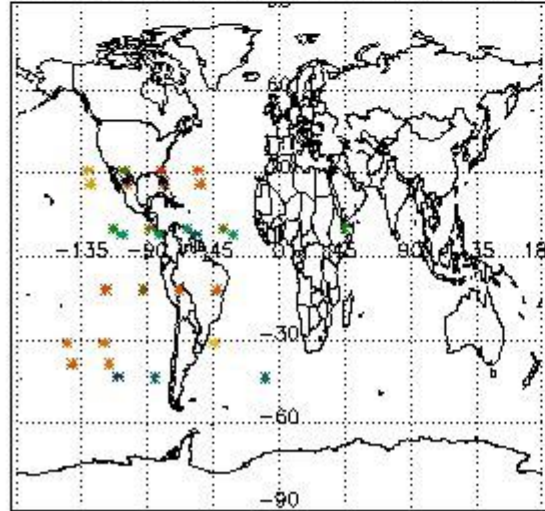
Percentage of flagged data per O3 profile



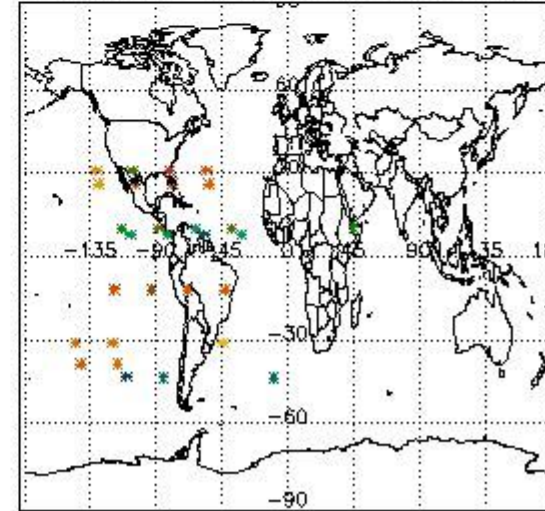
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

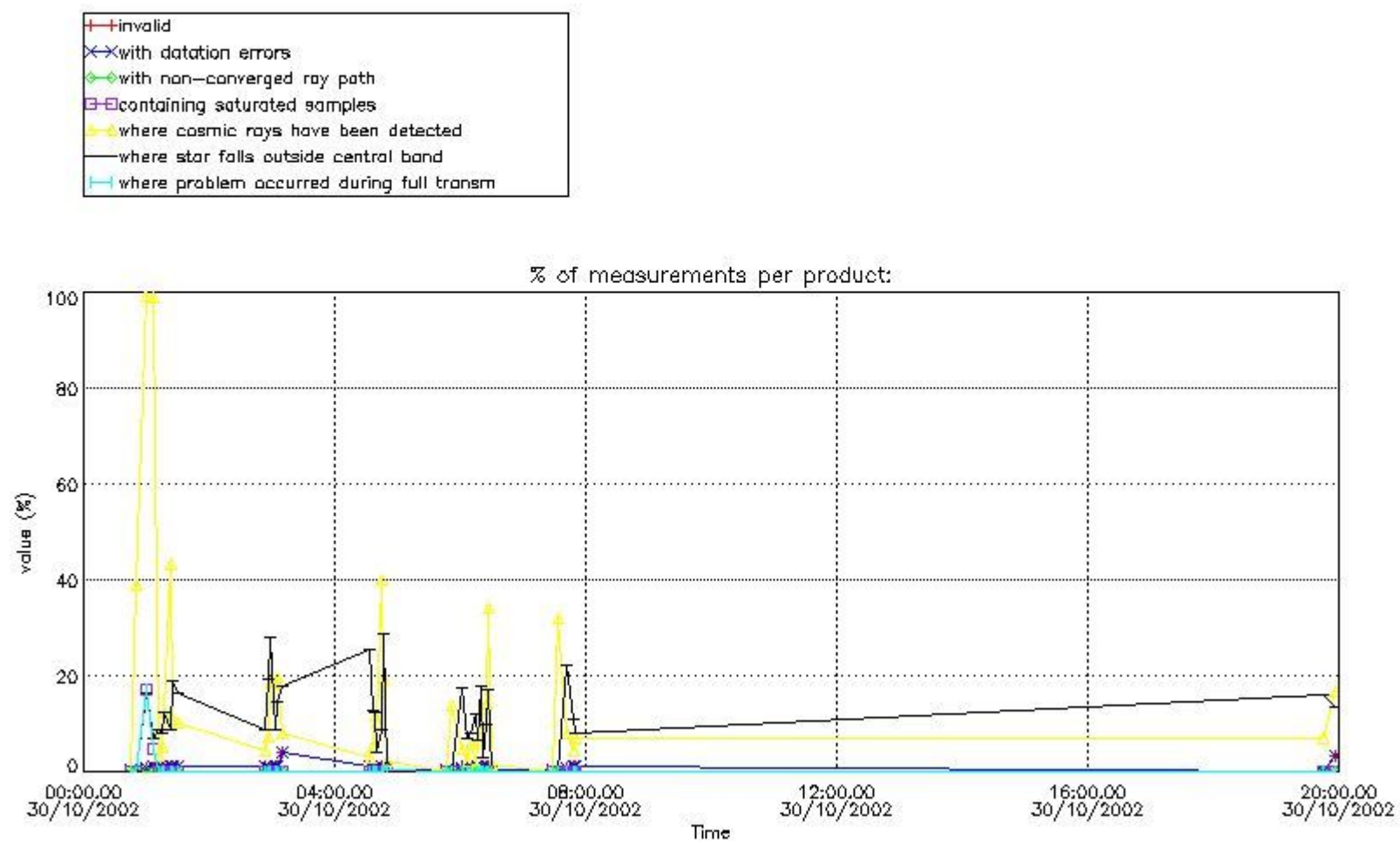


4. Level 1 quality information per product

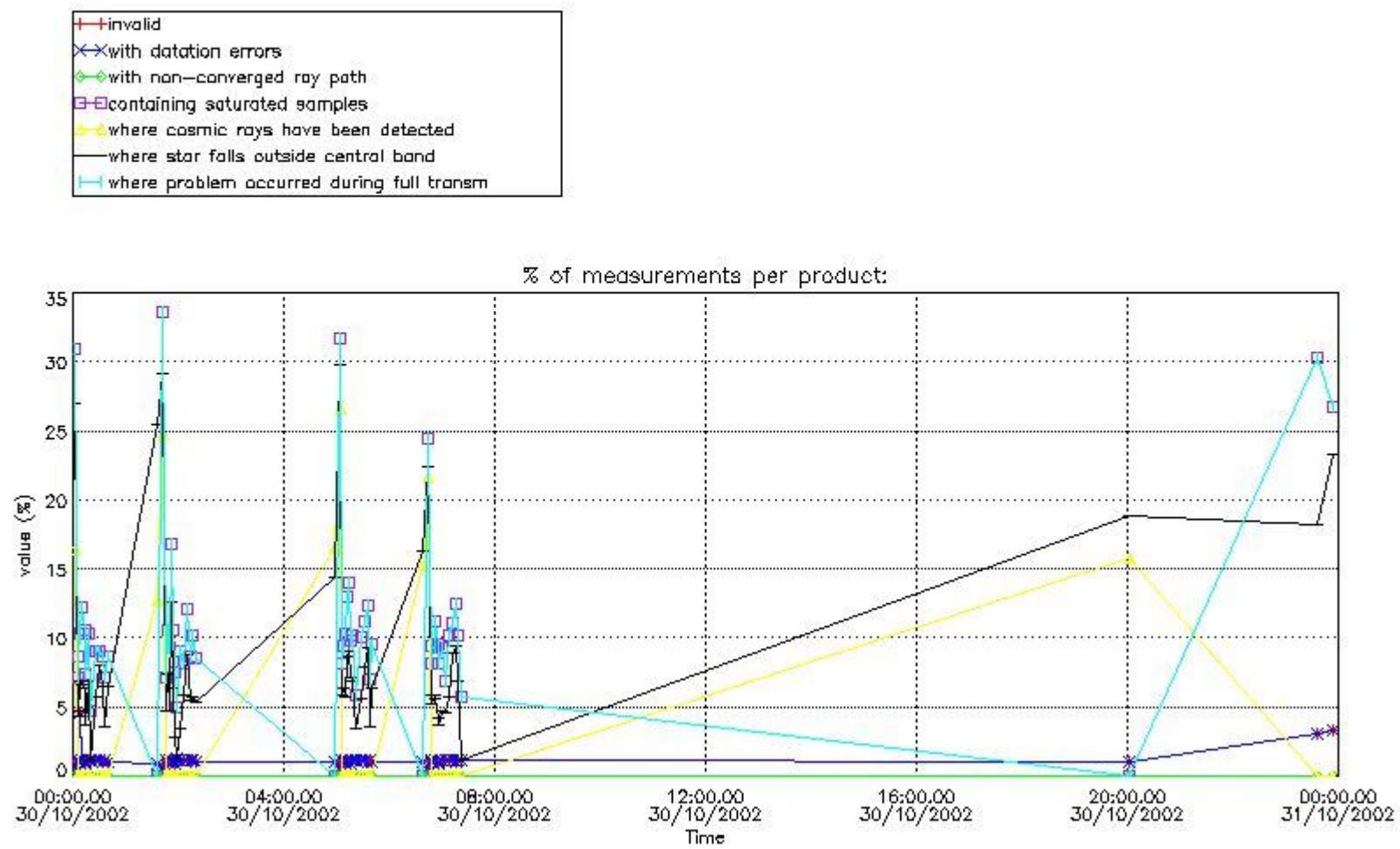
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



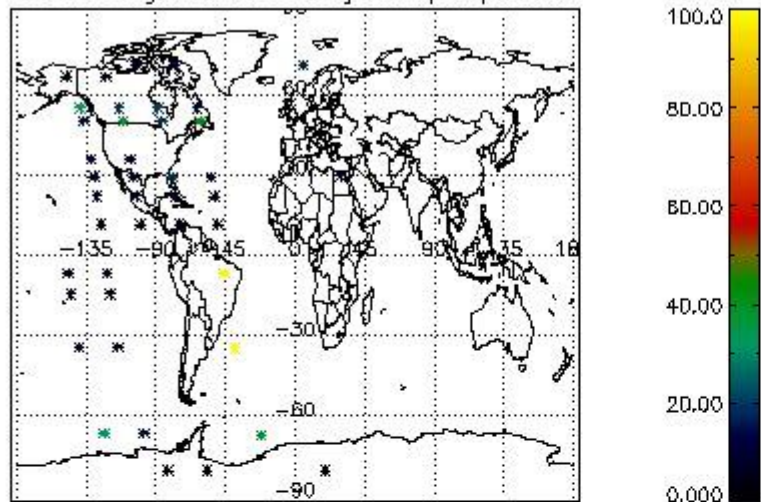
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



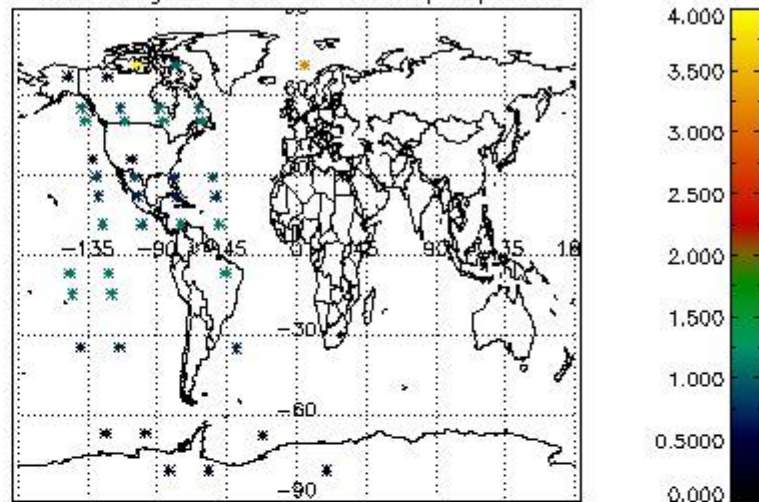
4.2 Plot quality information per product coming from level 1b processing (world map)

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

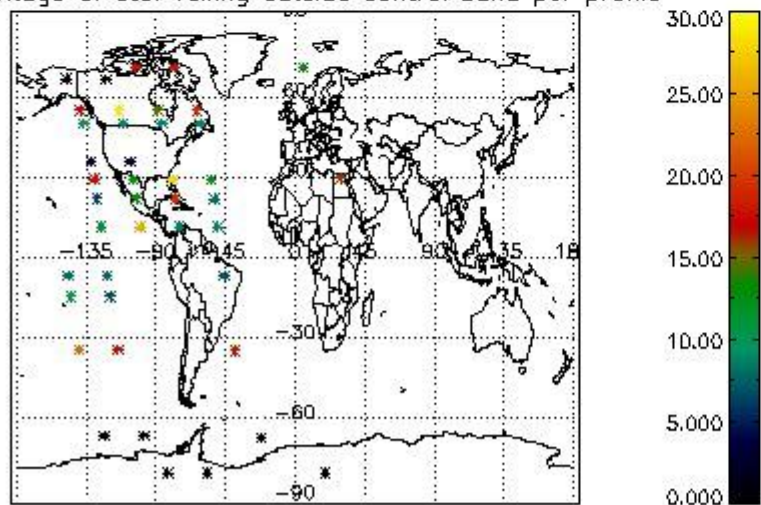
Percentage of cosmic ray hits per profile



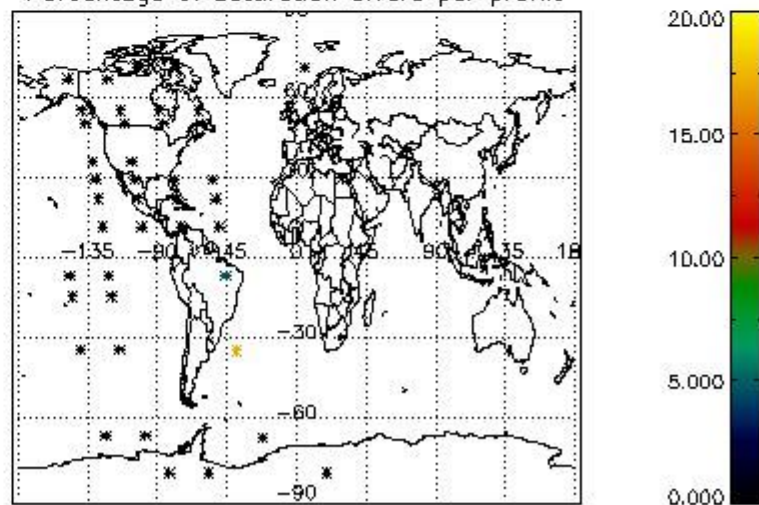
Percentage of datation errors per profile



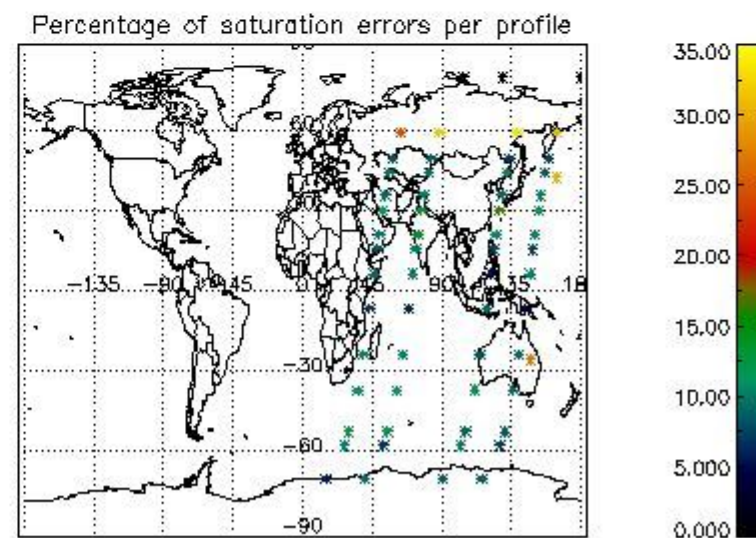
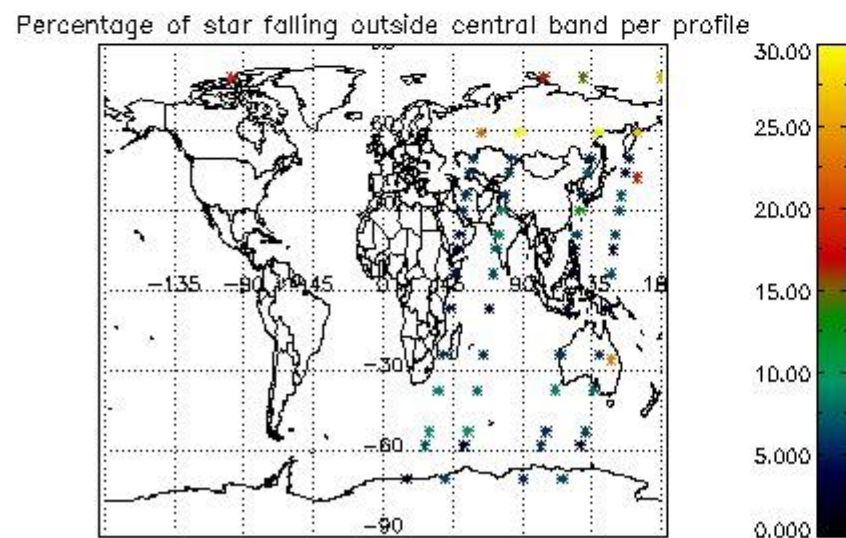
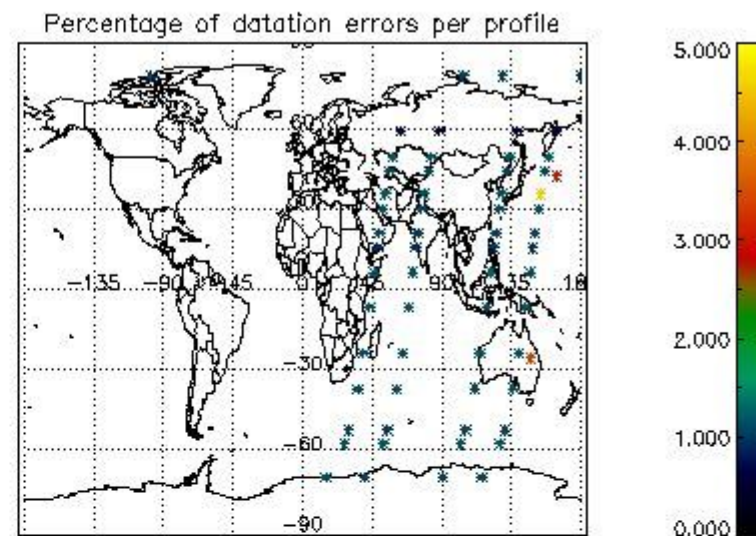
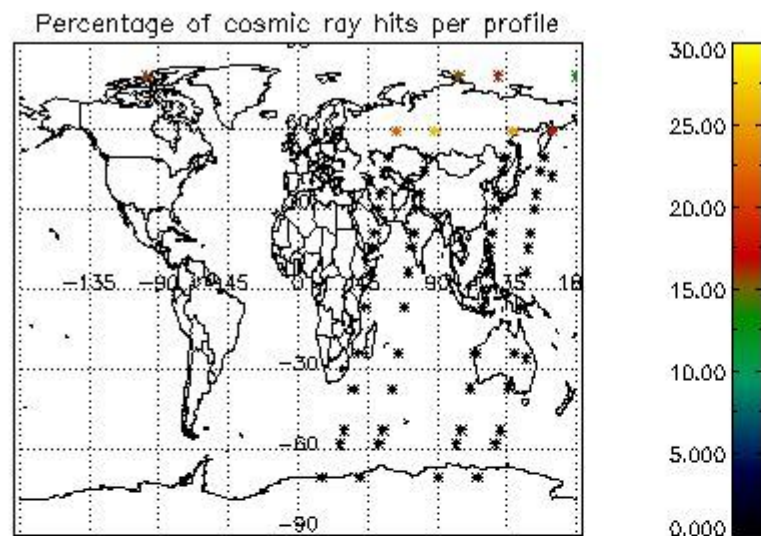
Percentage of star falling outside central band per profile



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

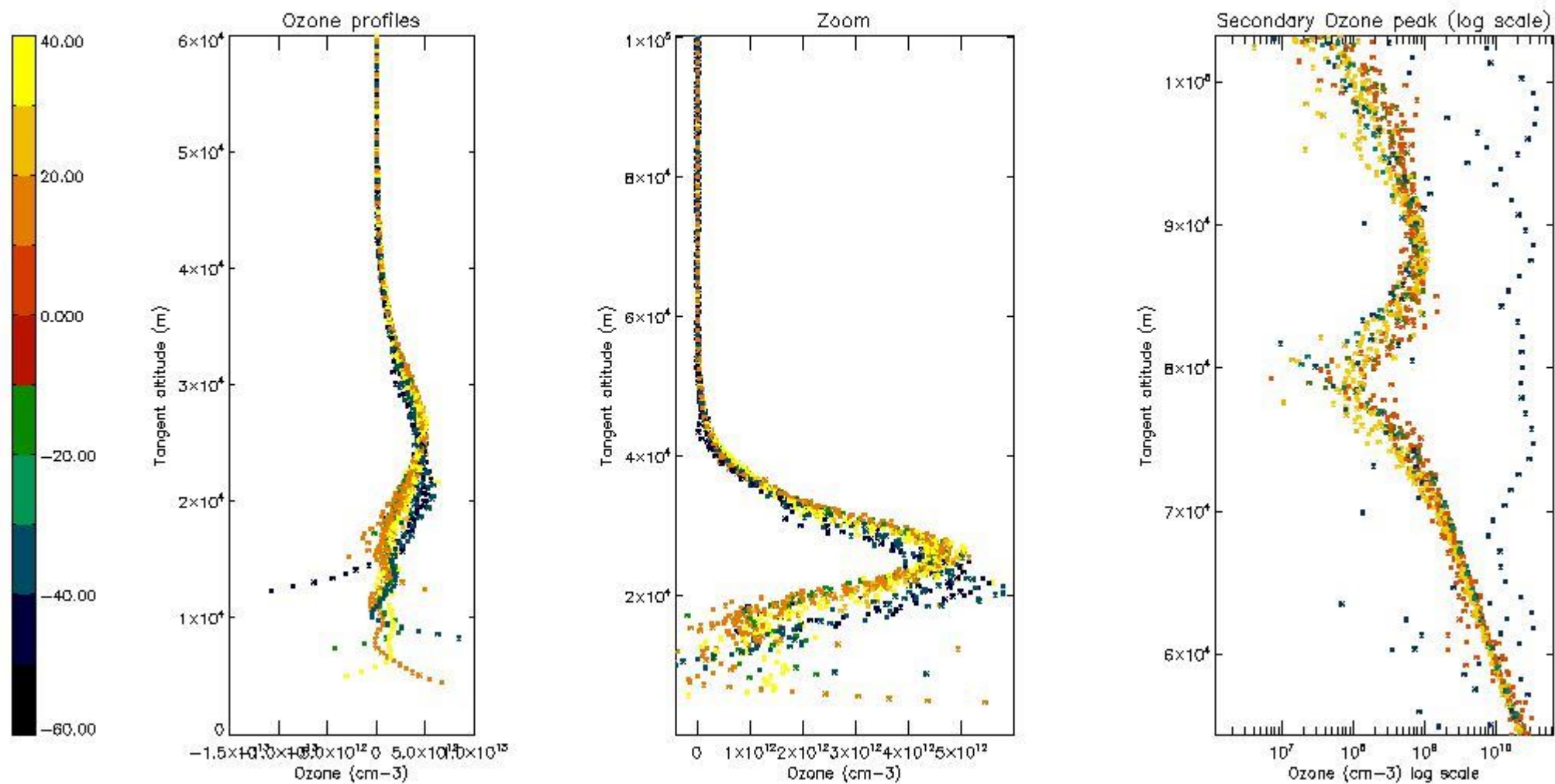
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	27
STD < 20	14

STD < 10	12
STD < 5	9

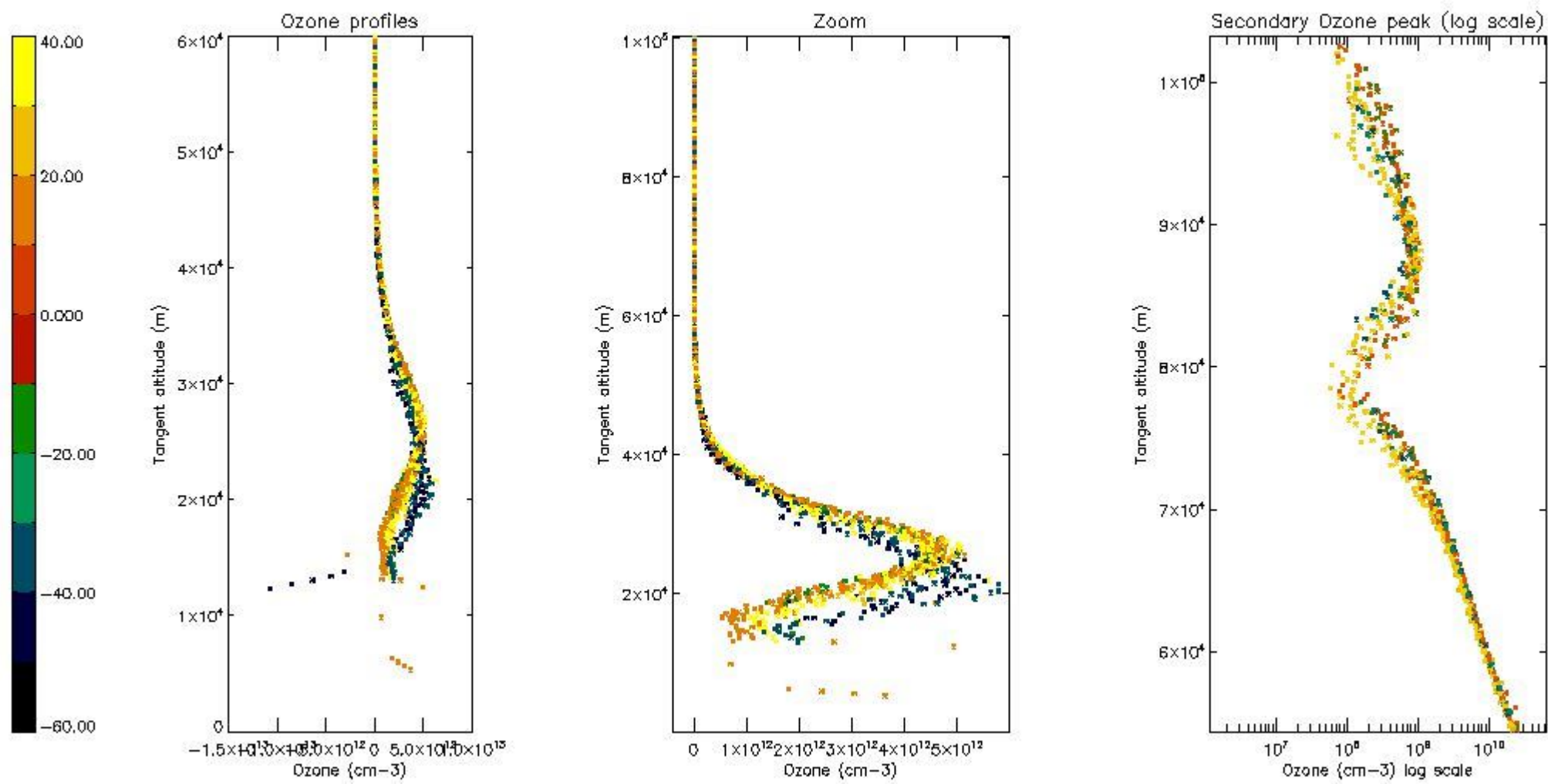
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



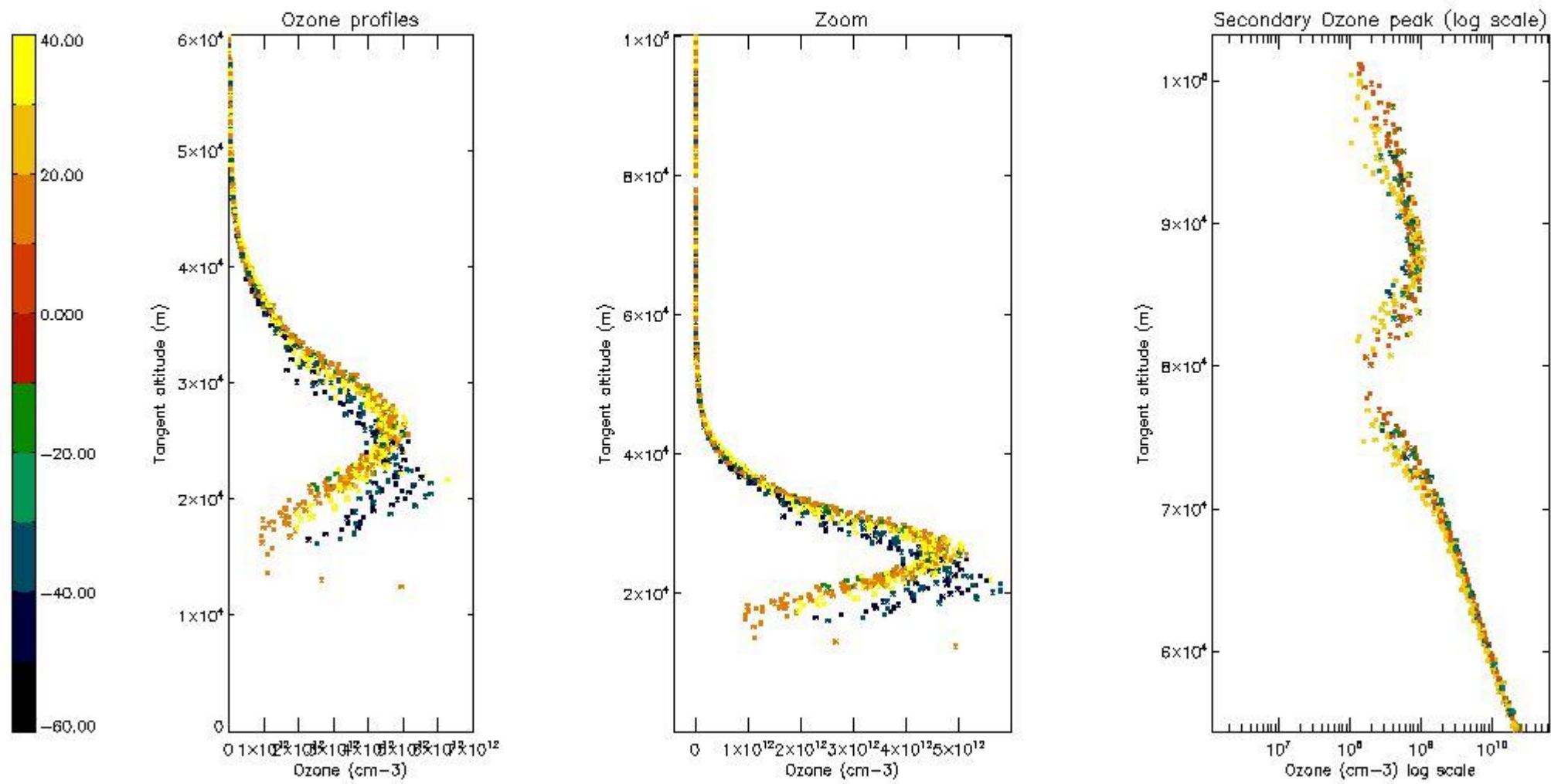
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



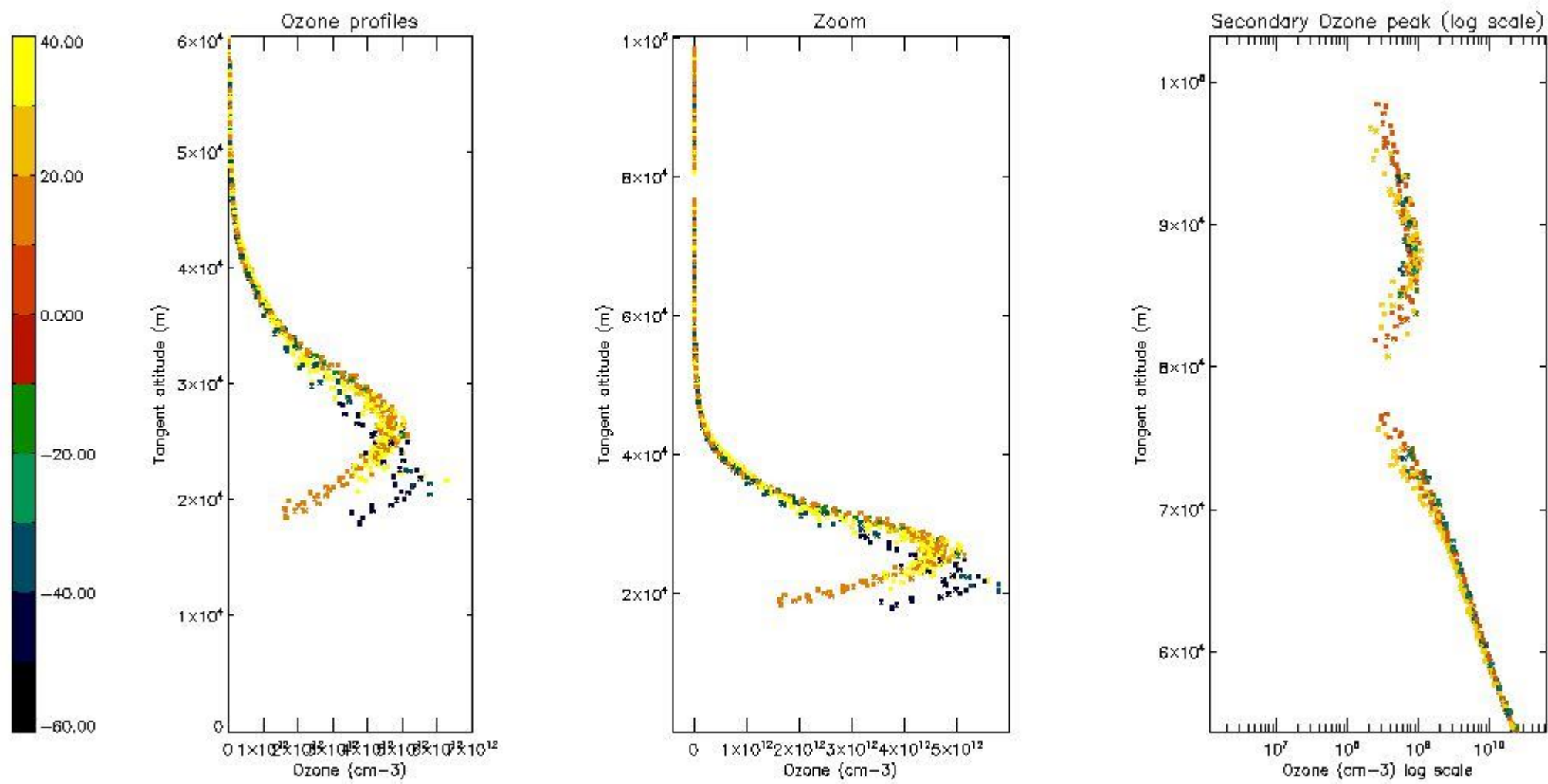
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



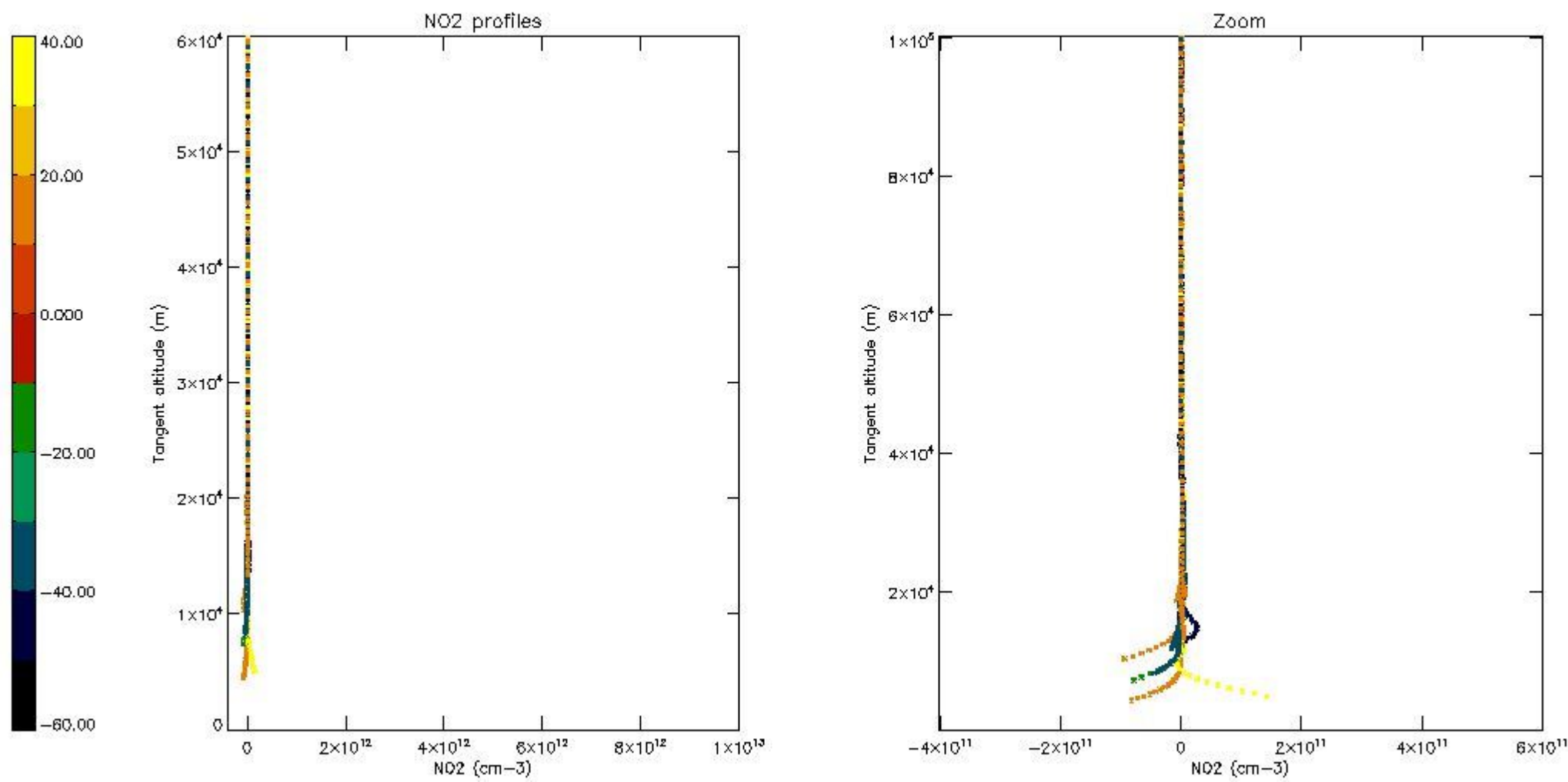
5.5 Plot ozone profiles where $STD < 5\%$ (dark without errors)

The colorbar represents the latitude.



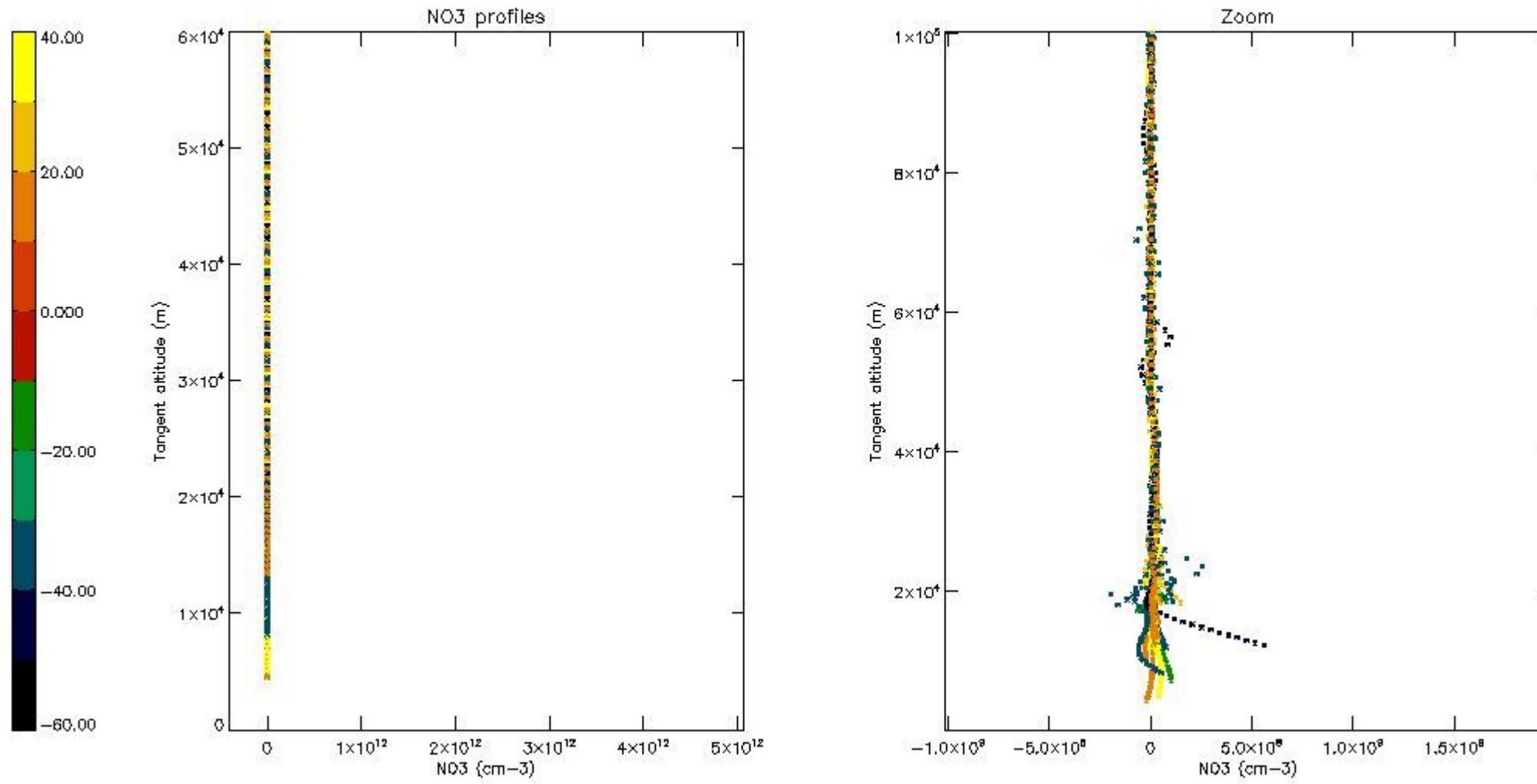
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

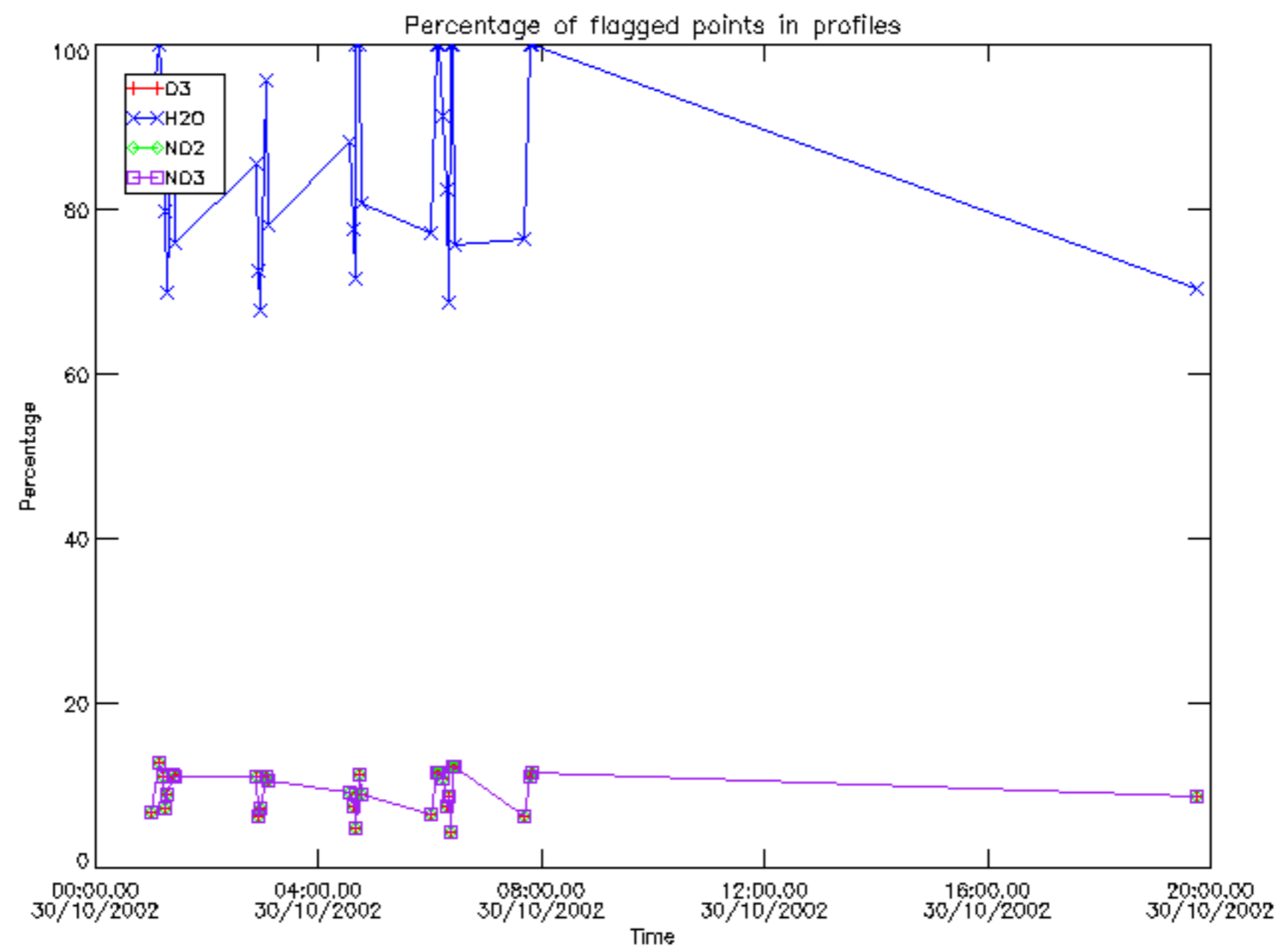
The colorbar represents the latitude.



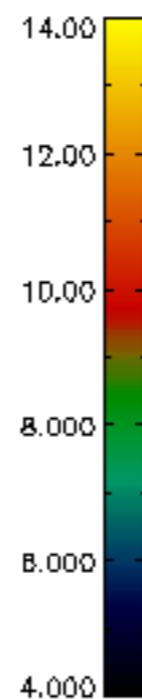
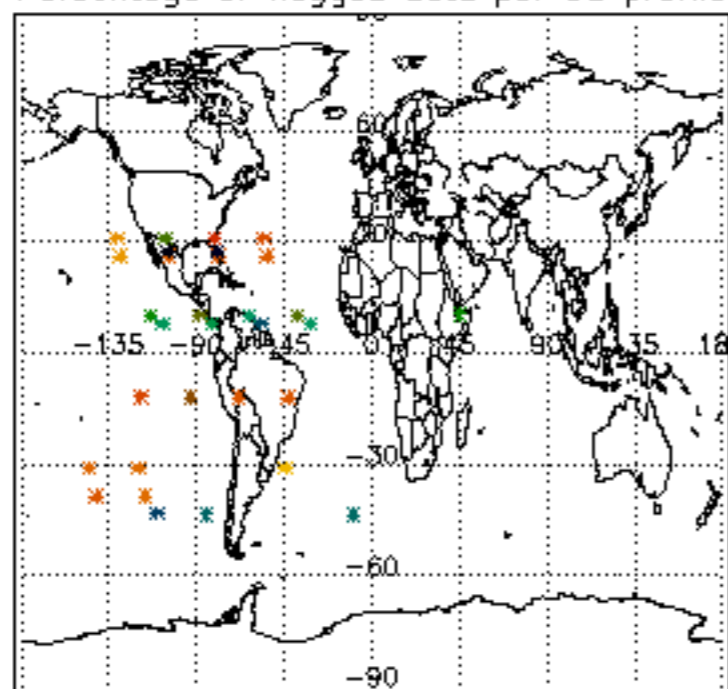
6. Auxiliary Data Files used for the production reported in section 2

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.

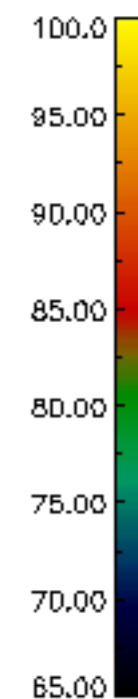
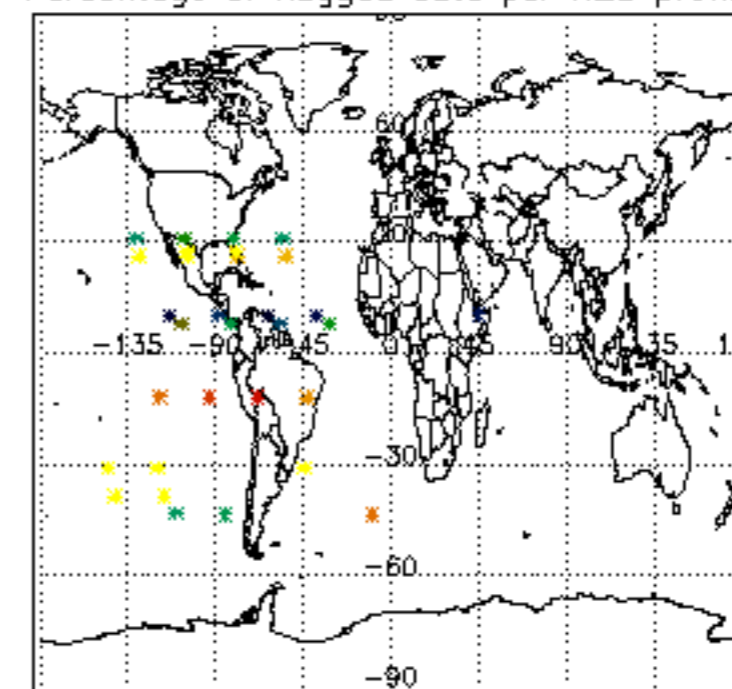
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150440_20020301_000000_20100101_000000	1	30-OCT-2002 00:02:13
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	30-OCT-2002 00:02:13
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	30-OCT-2002 00:02:13



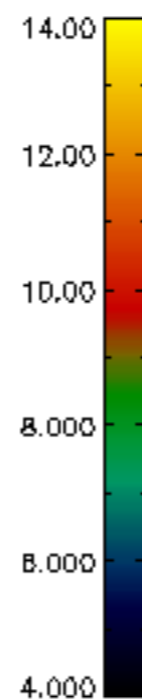
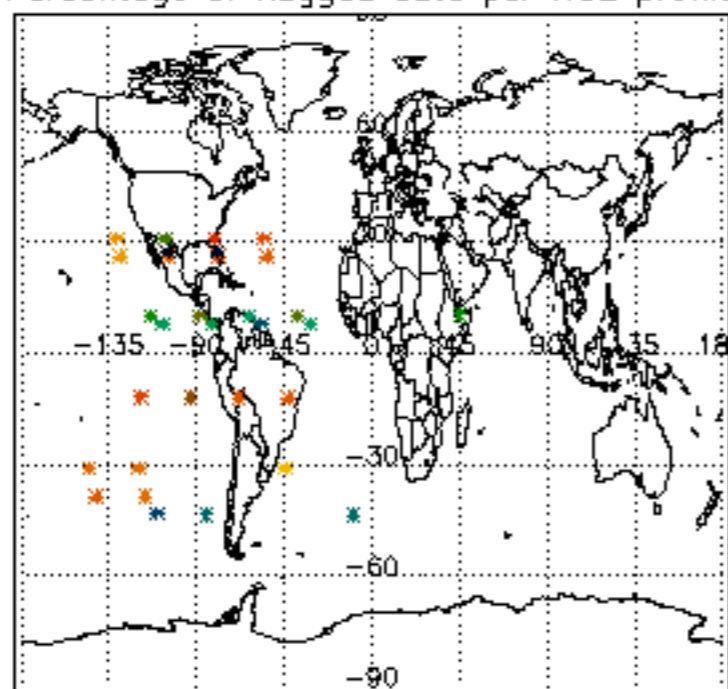
Percentage of flagged data per D3 profile



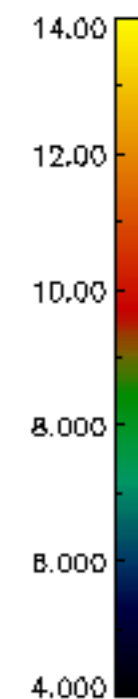
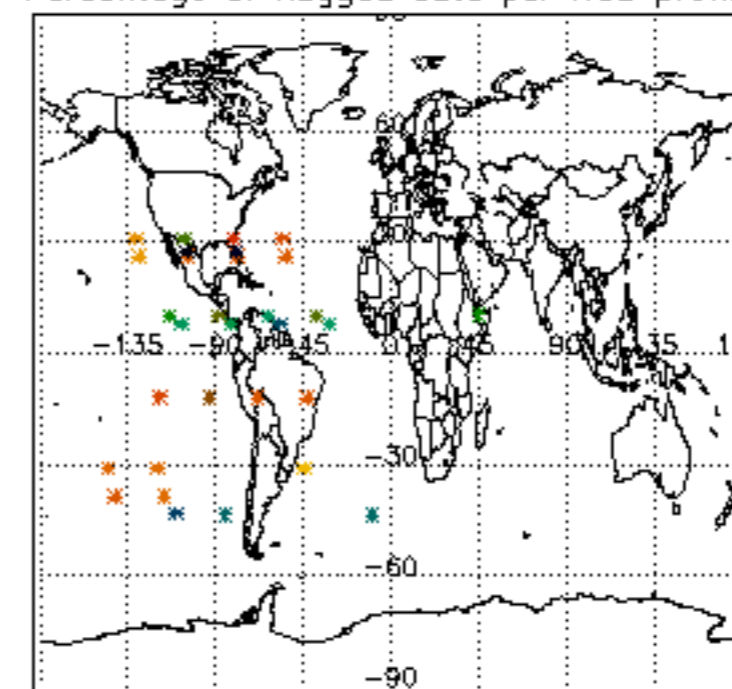
Percentage of flagged data per H2O profile

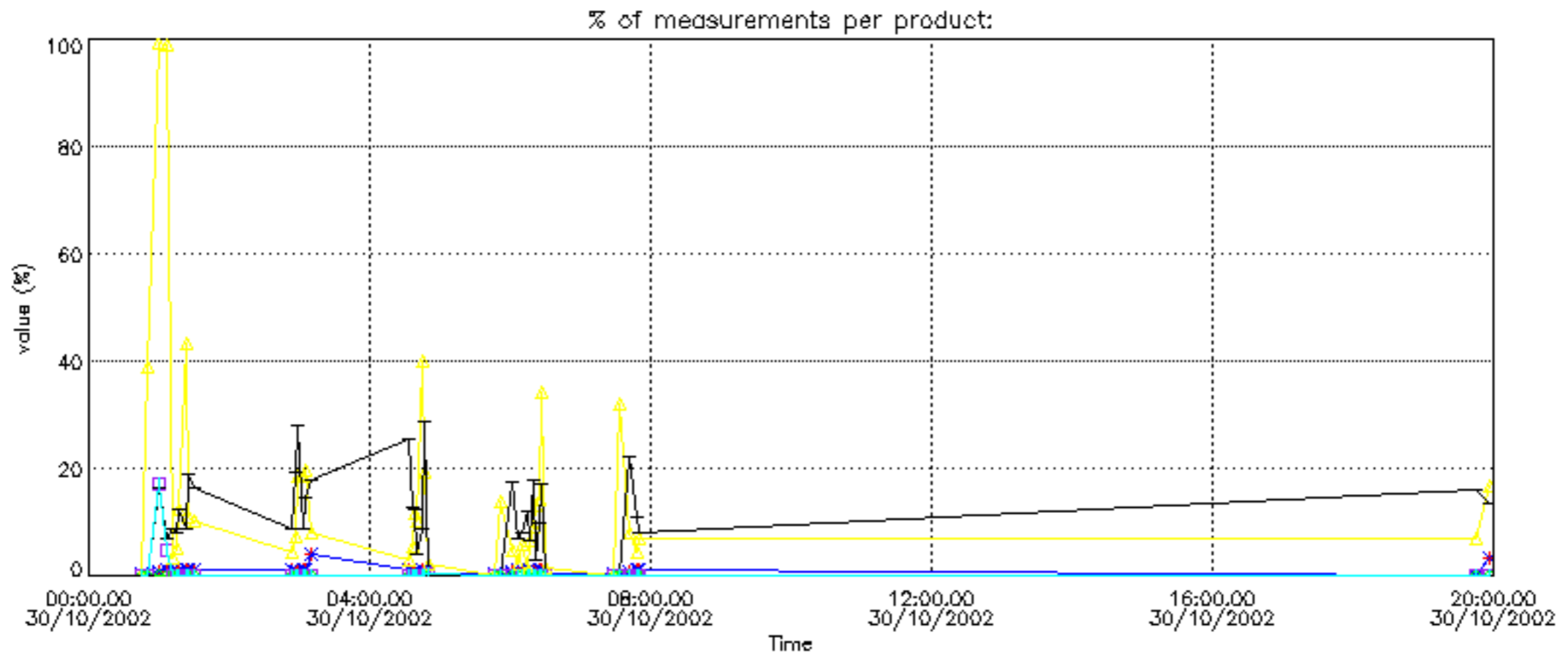
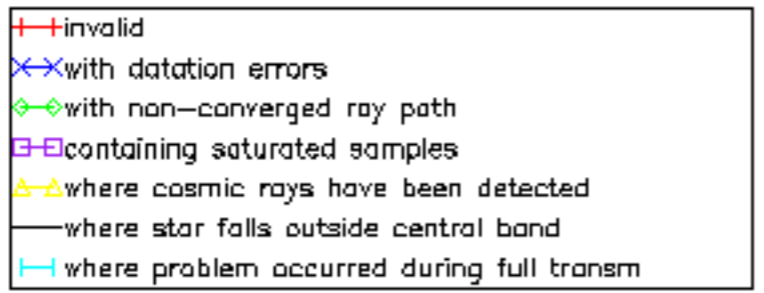


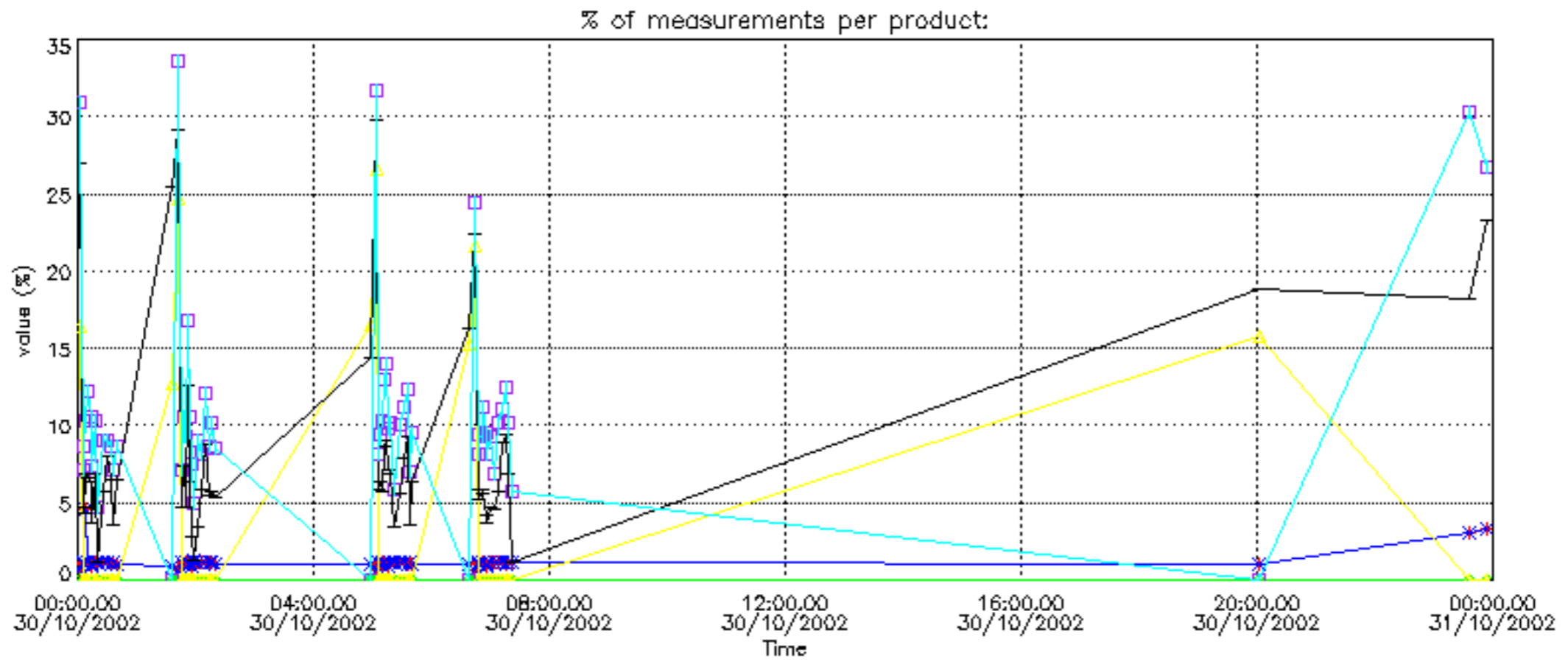
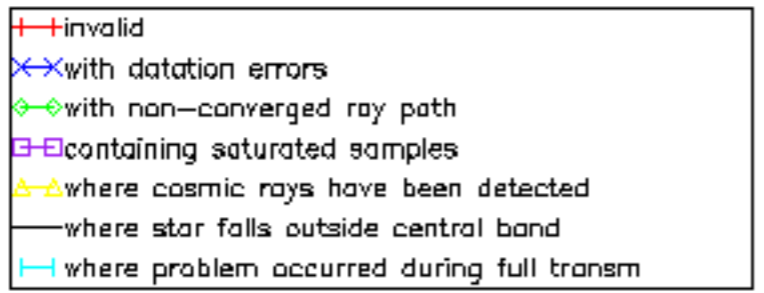
Percentage of flagged data per NO2 profile



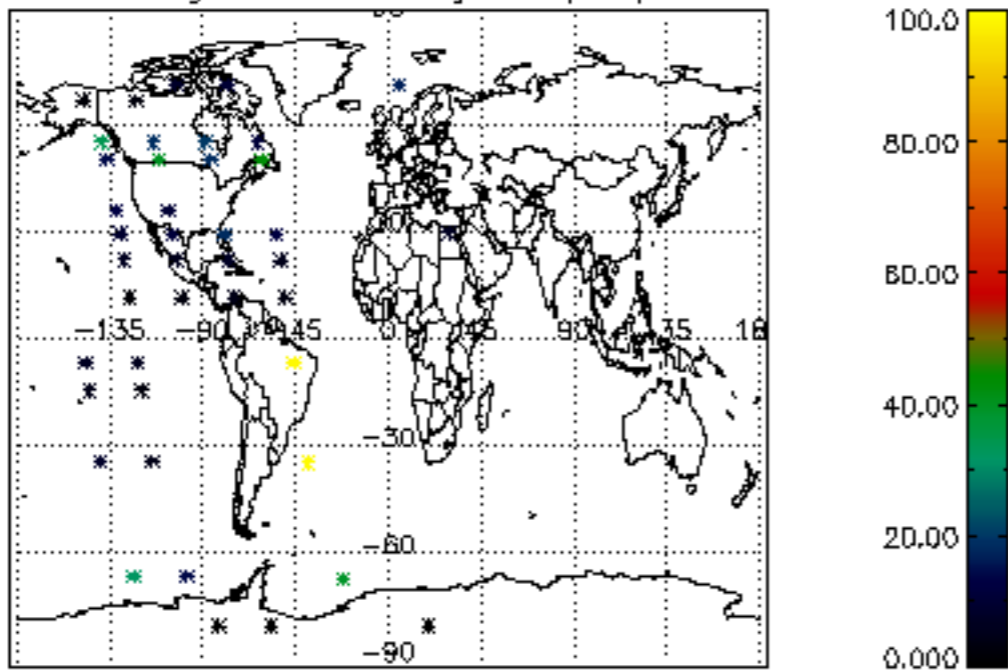
Percentage of flagged data per NO3 profile



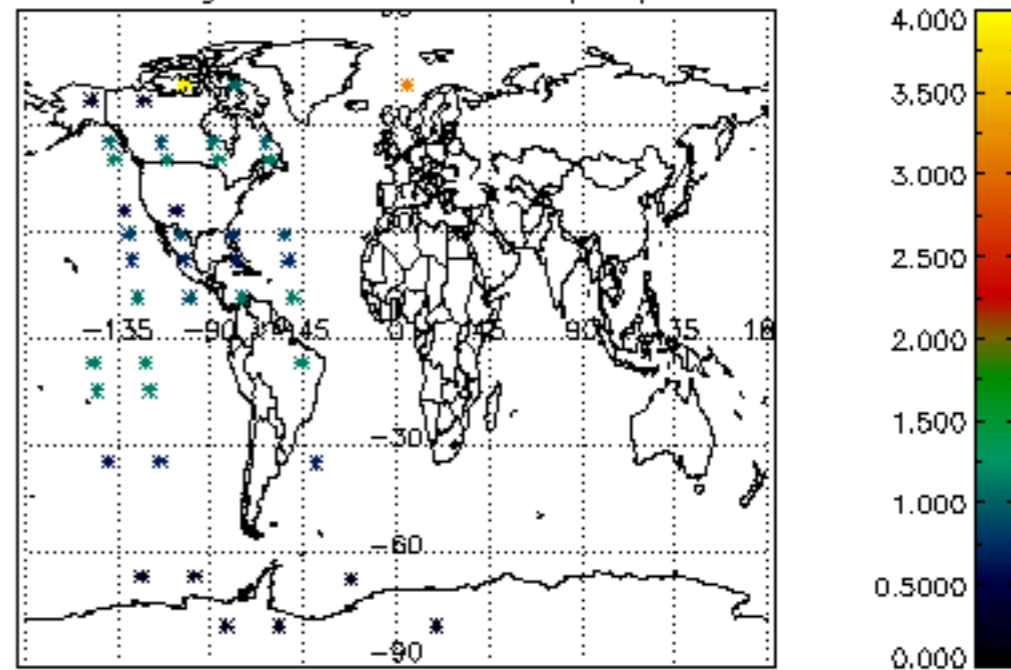




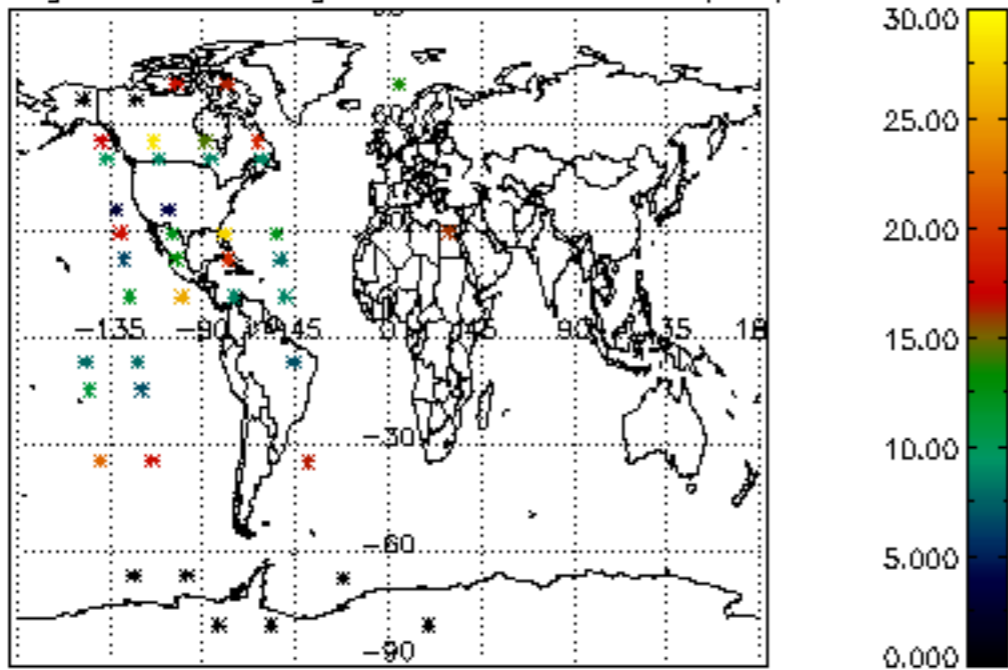
Percentage of cosmic ray hits per profile



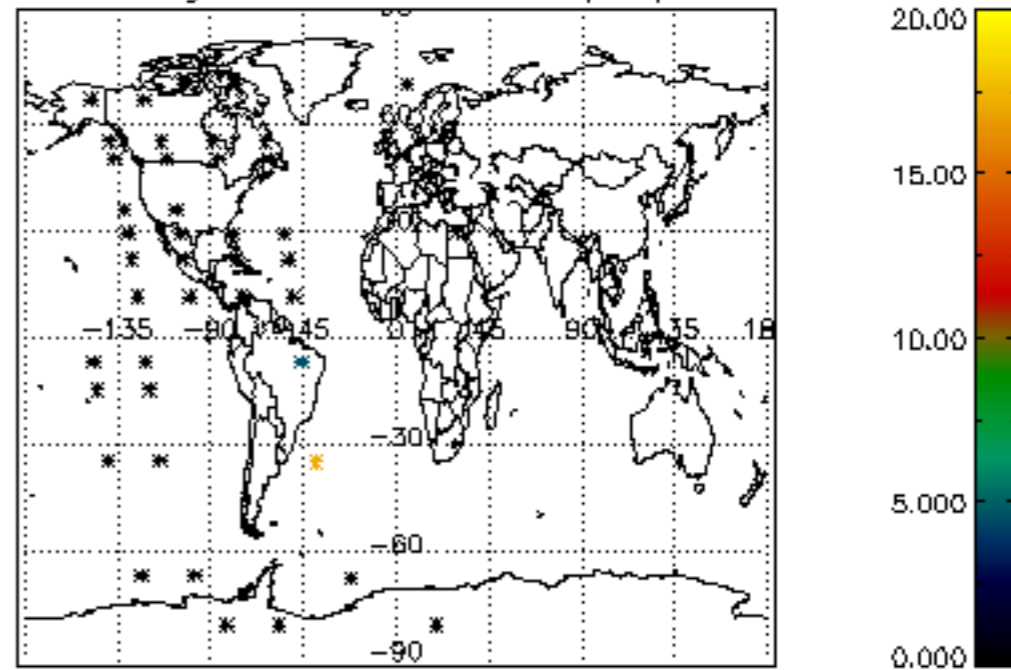
Percentage of datation errors per profile



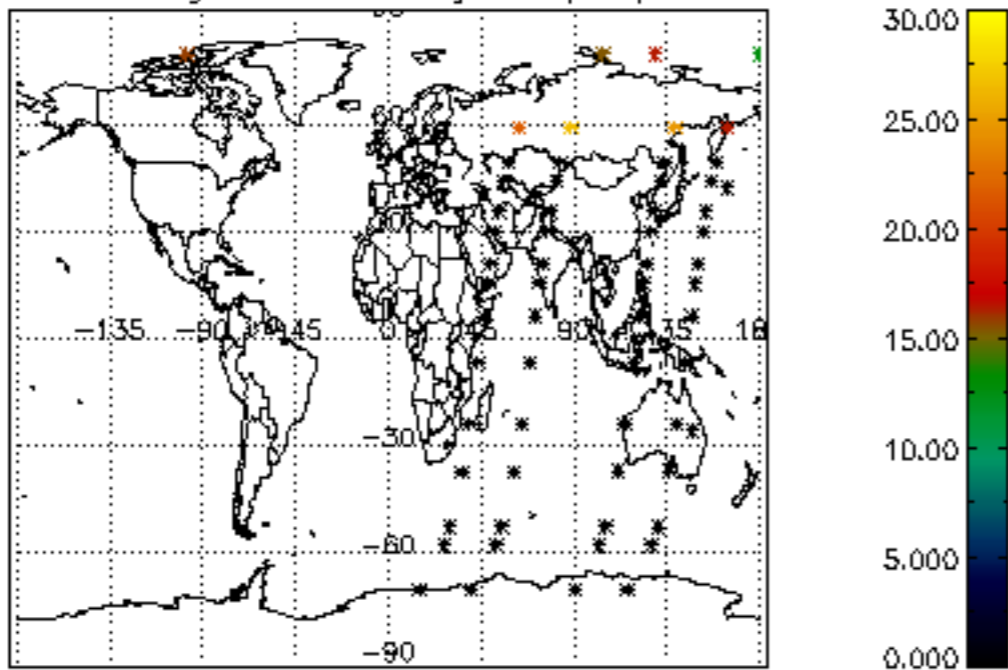
Percentage of star falling outside central band per profile



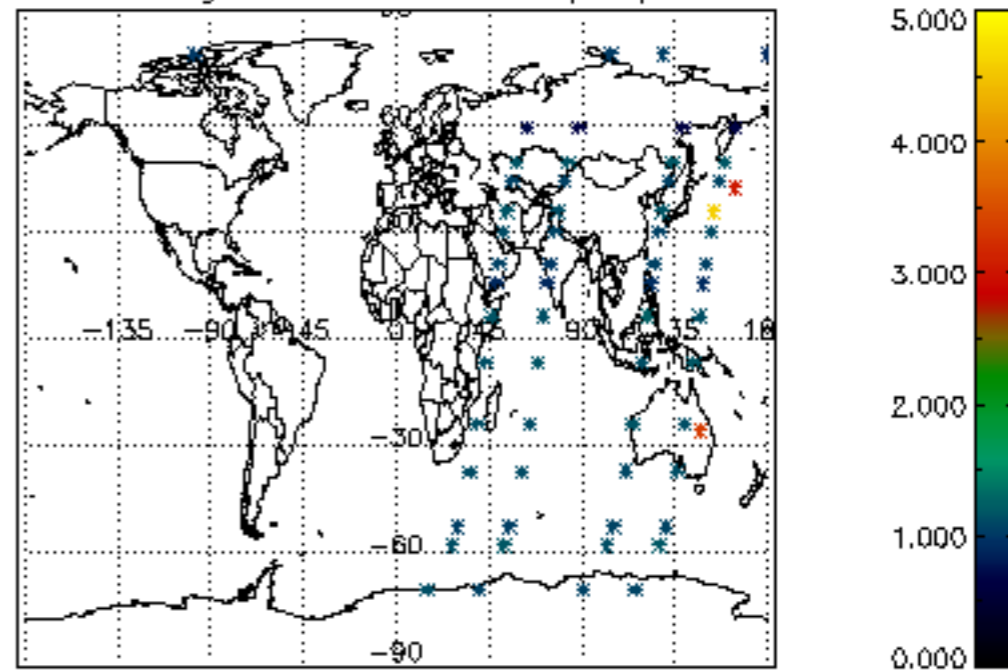
Percentage of saturation errors per profile



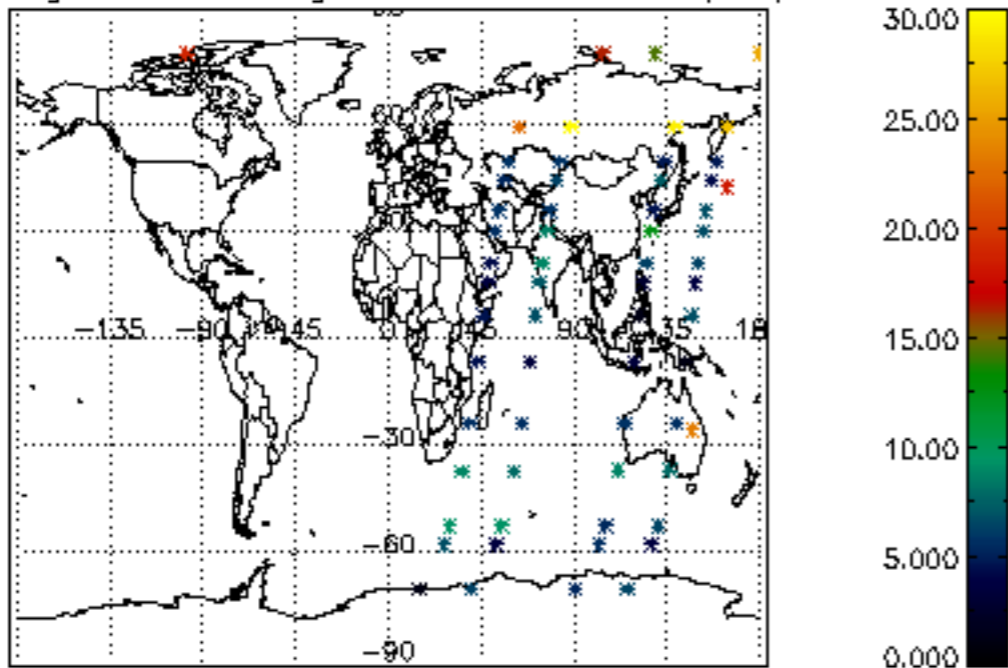
Percentage of cosmic ray hits per profile



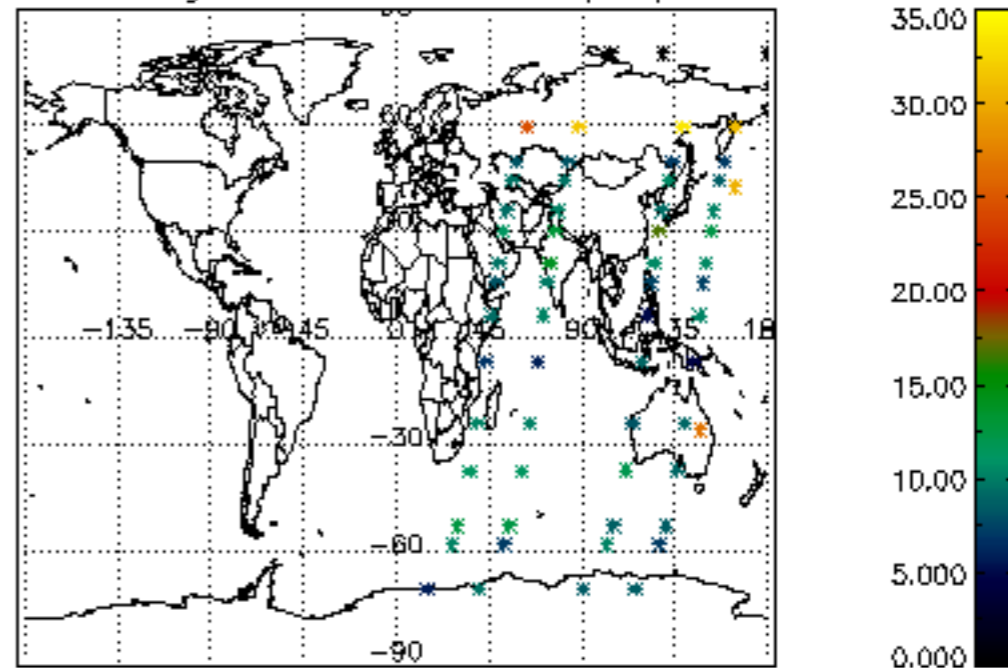
Percentage of datation errors per profile

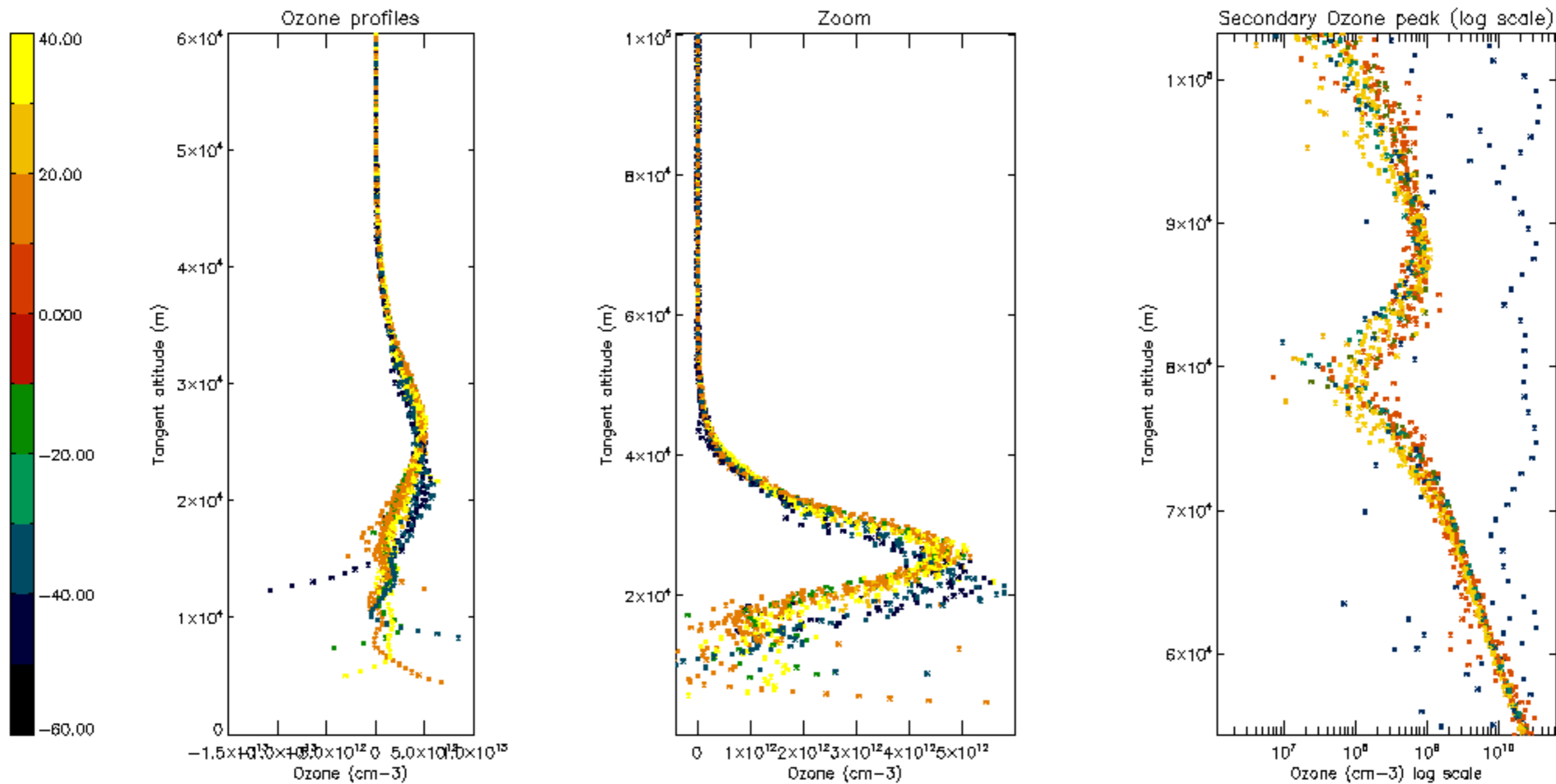


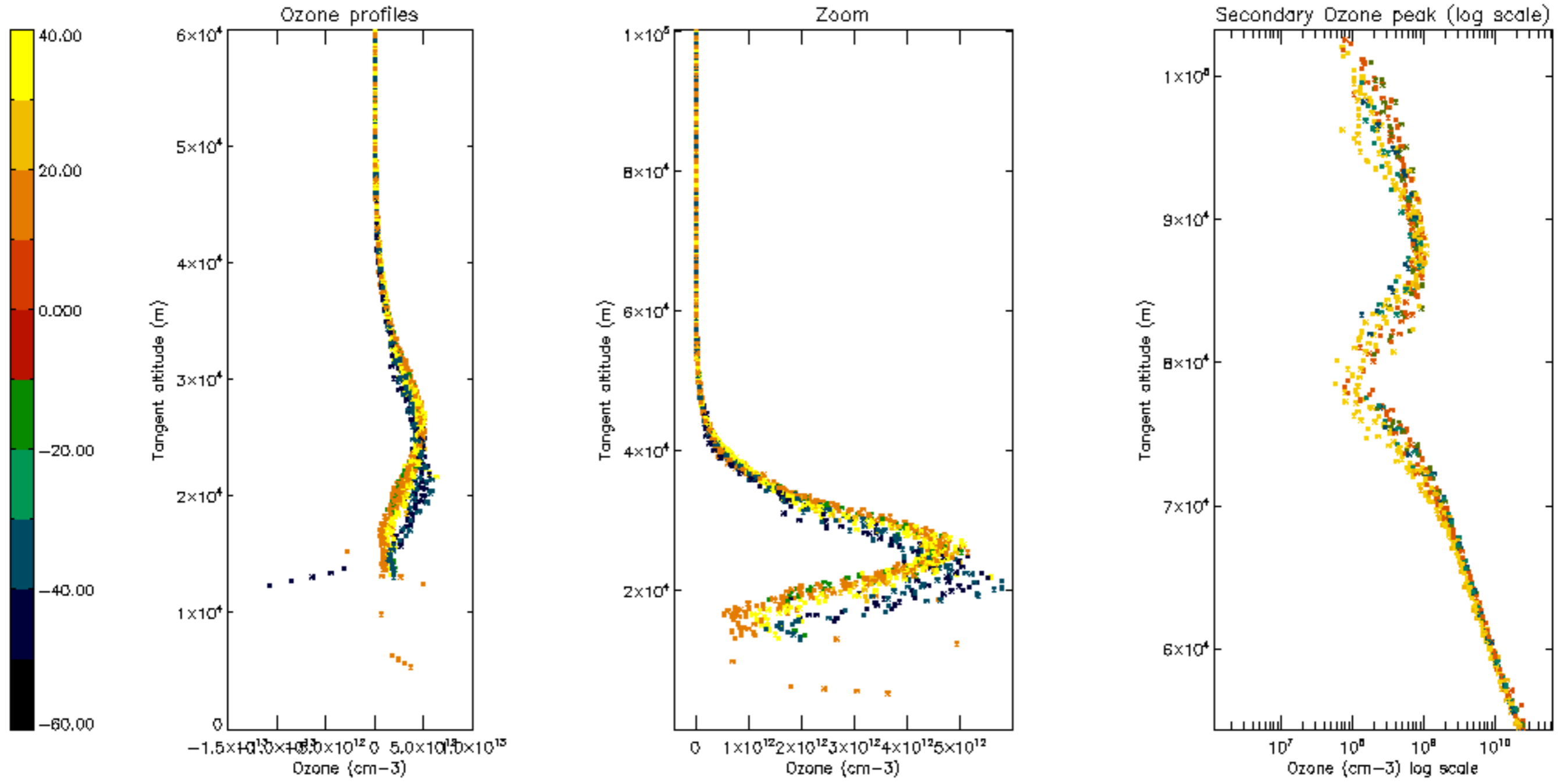
Percentage of star falling outside central band per profile

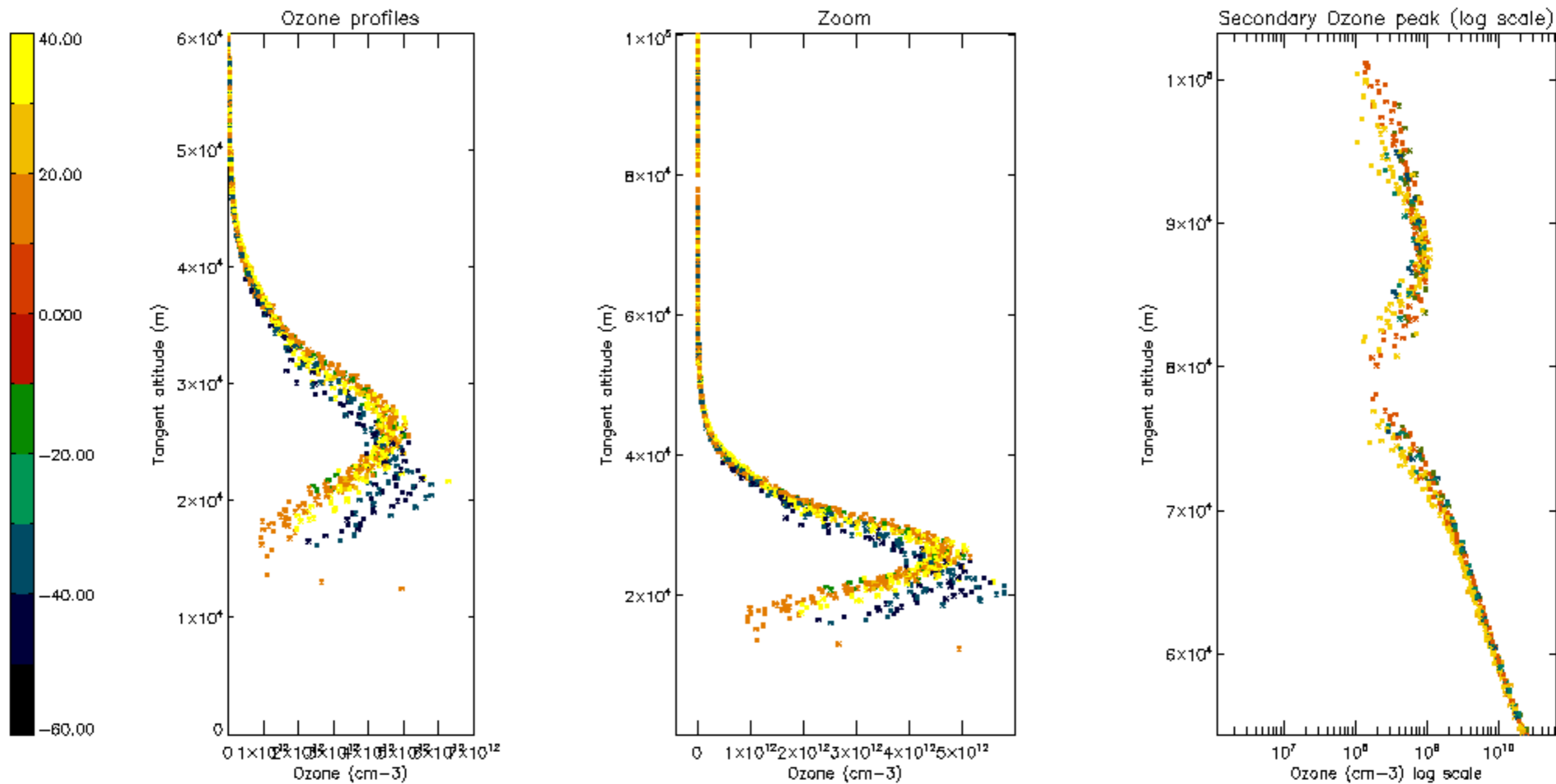


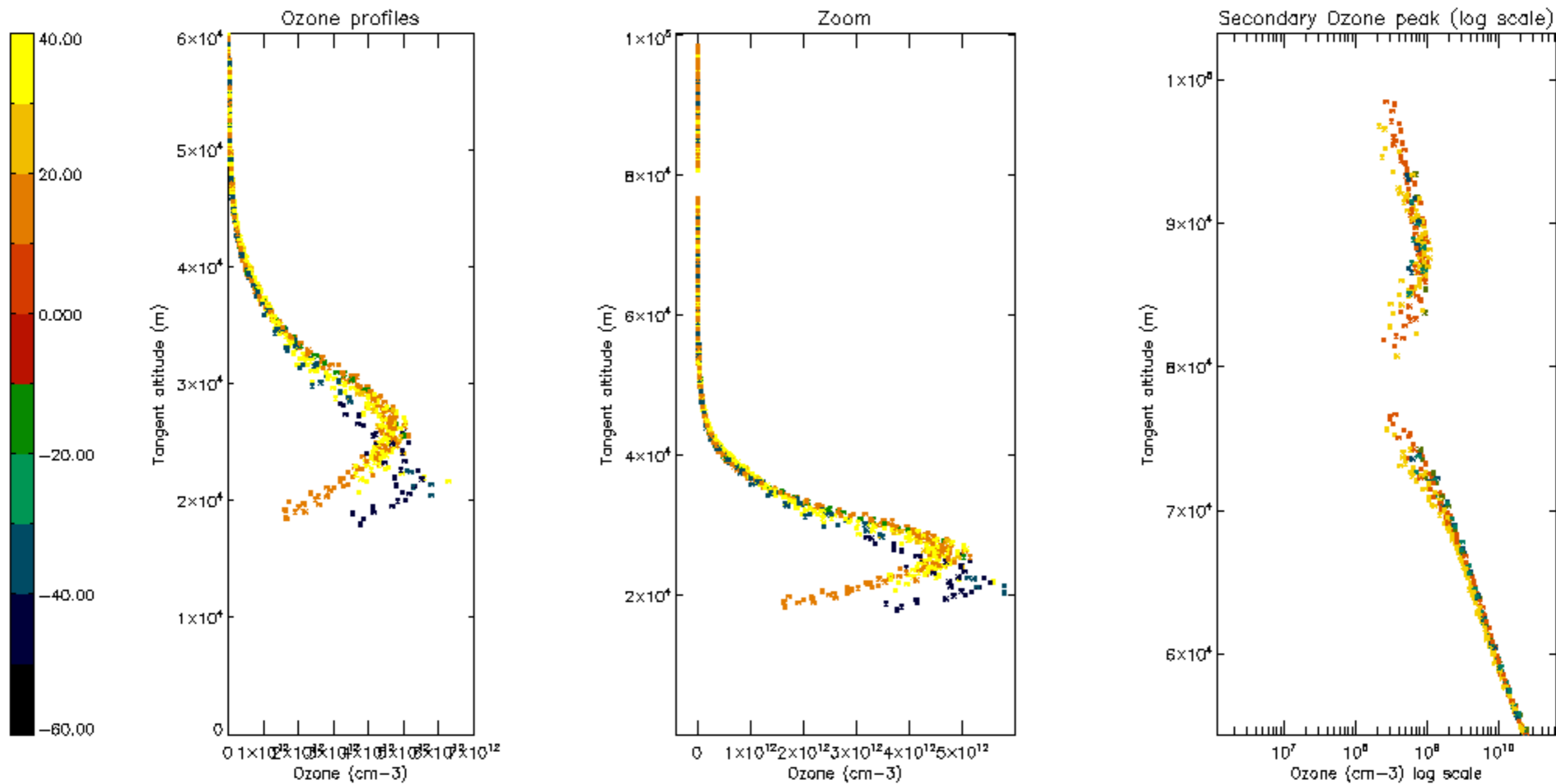
Percentage of saturation errors per profile

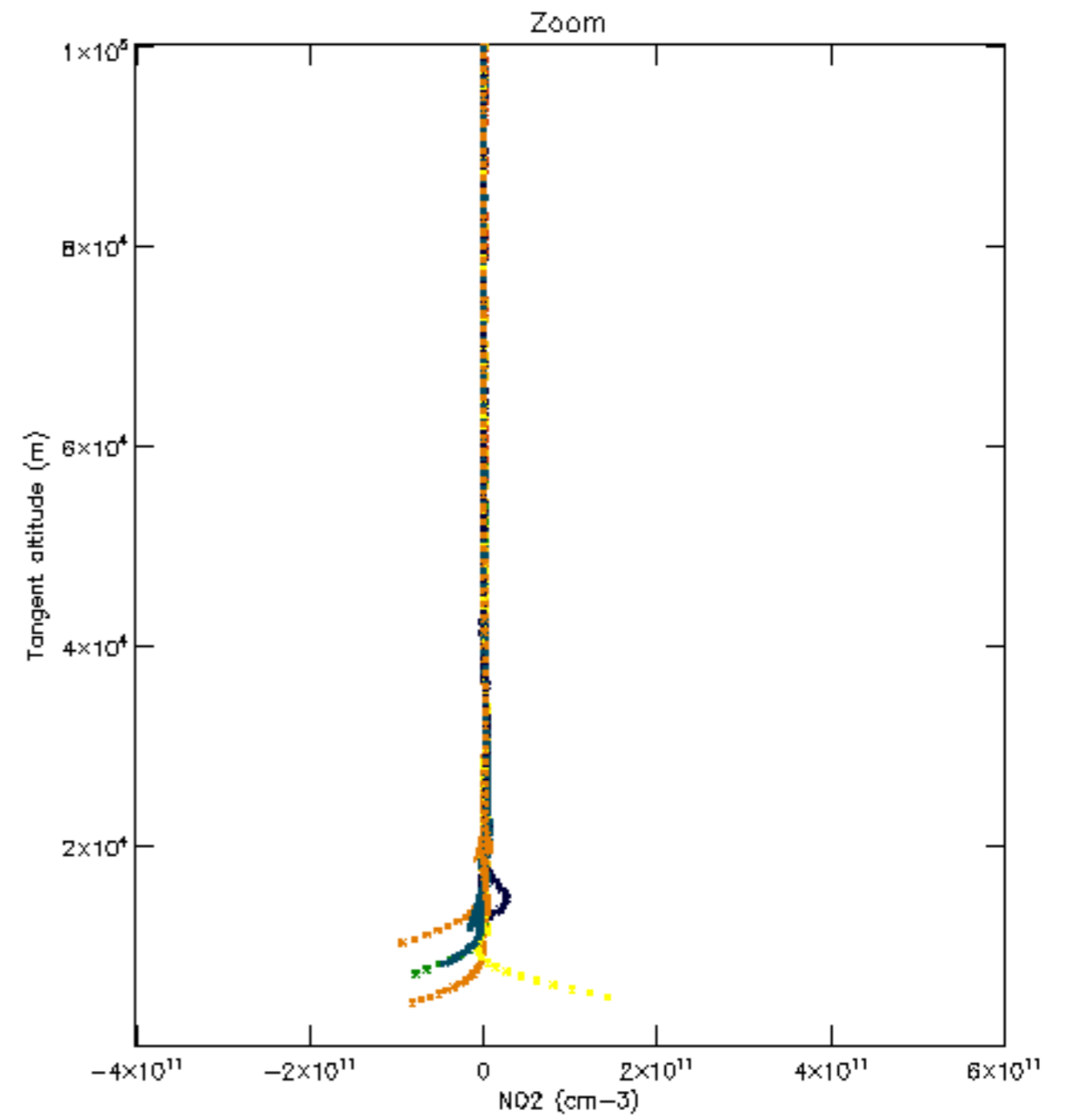
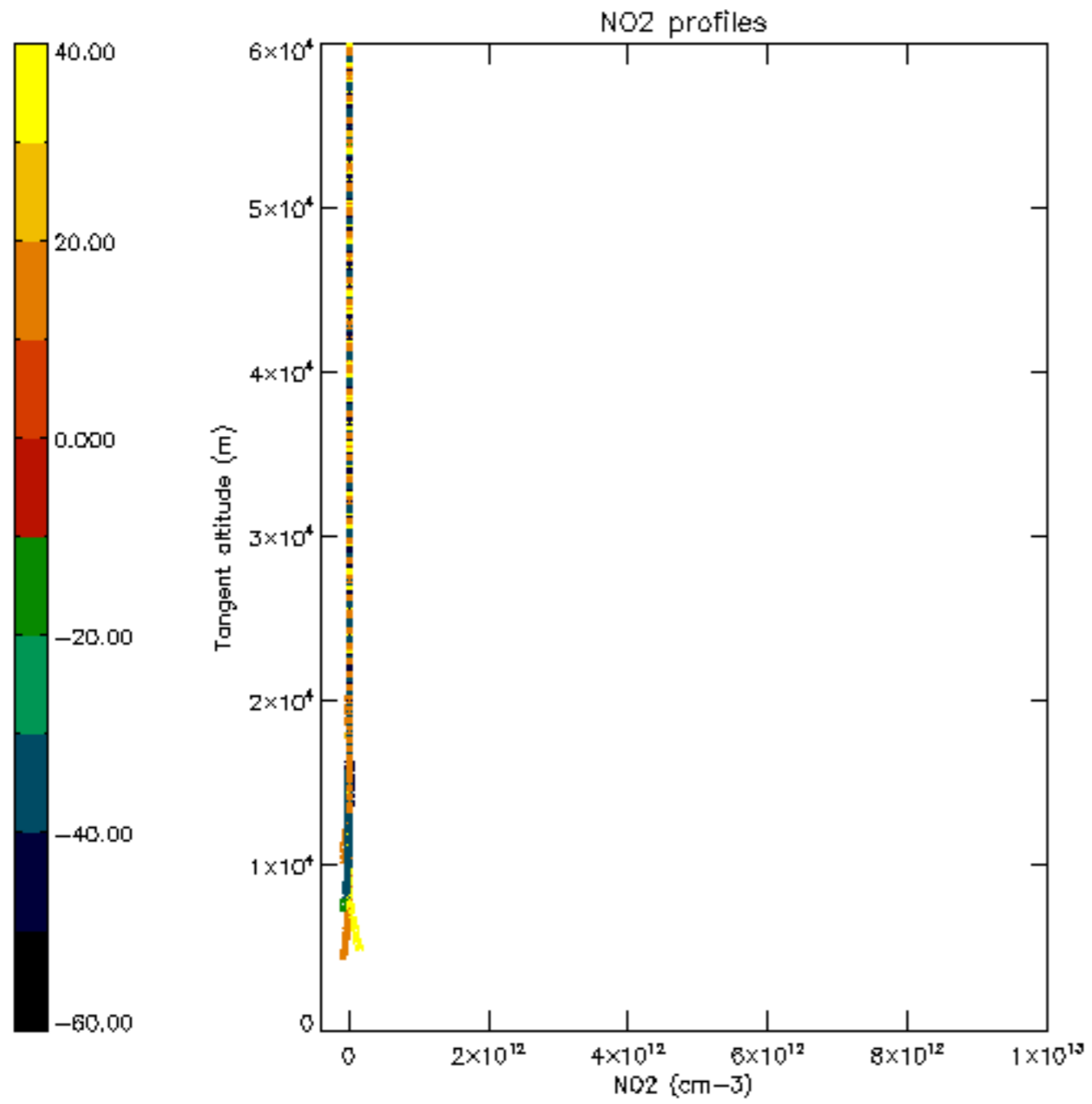


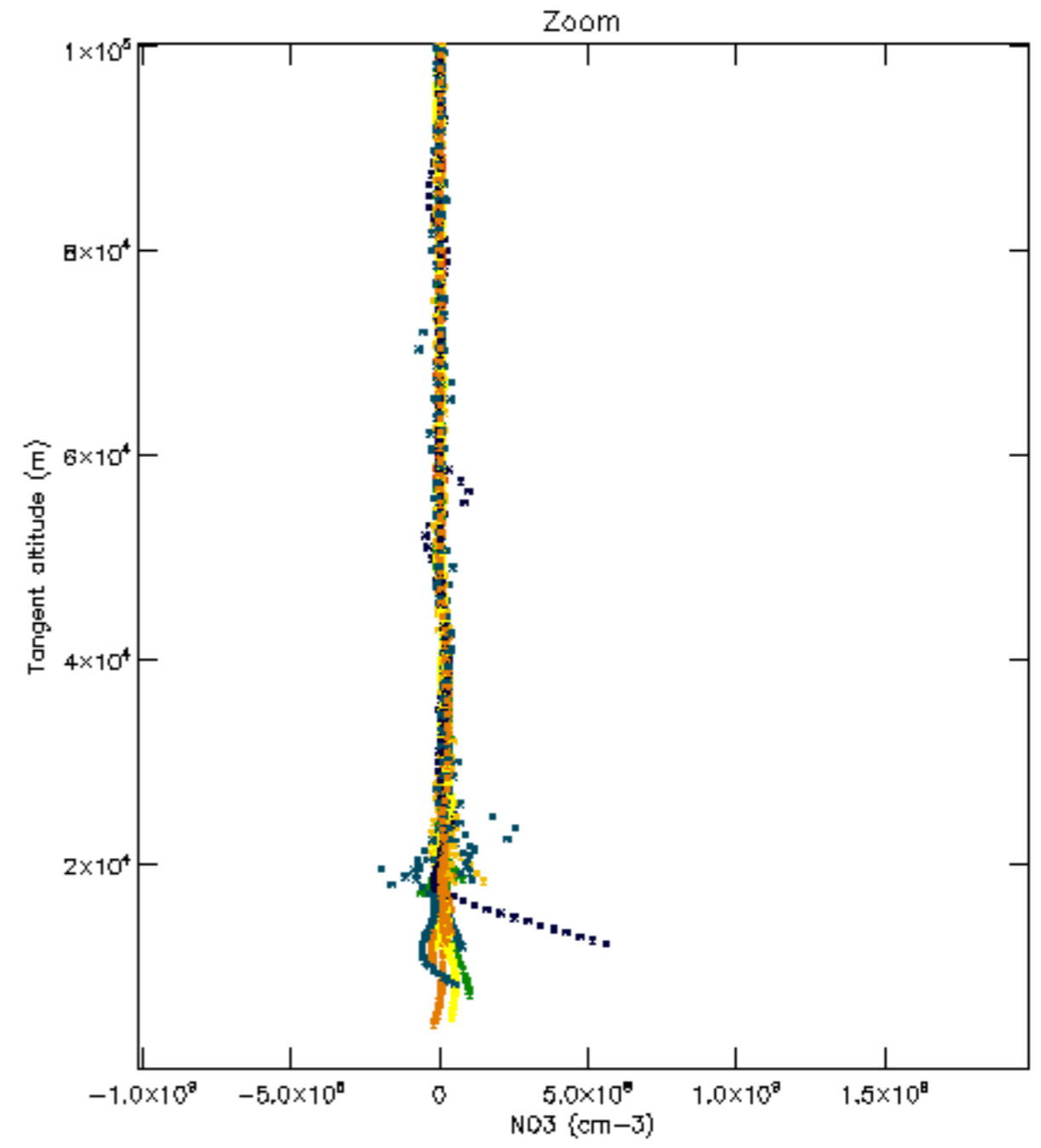
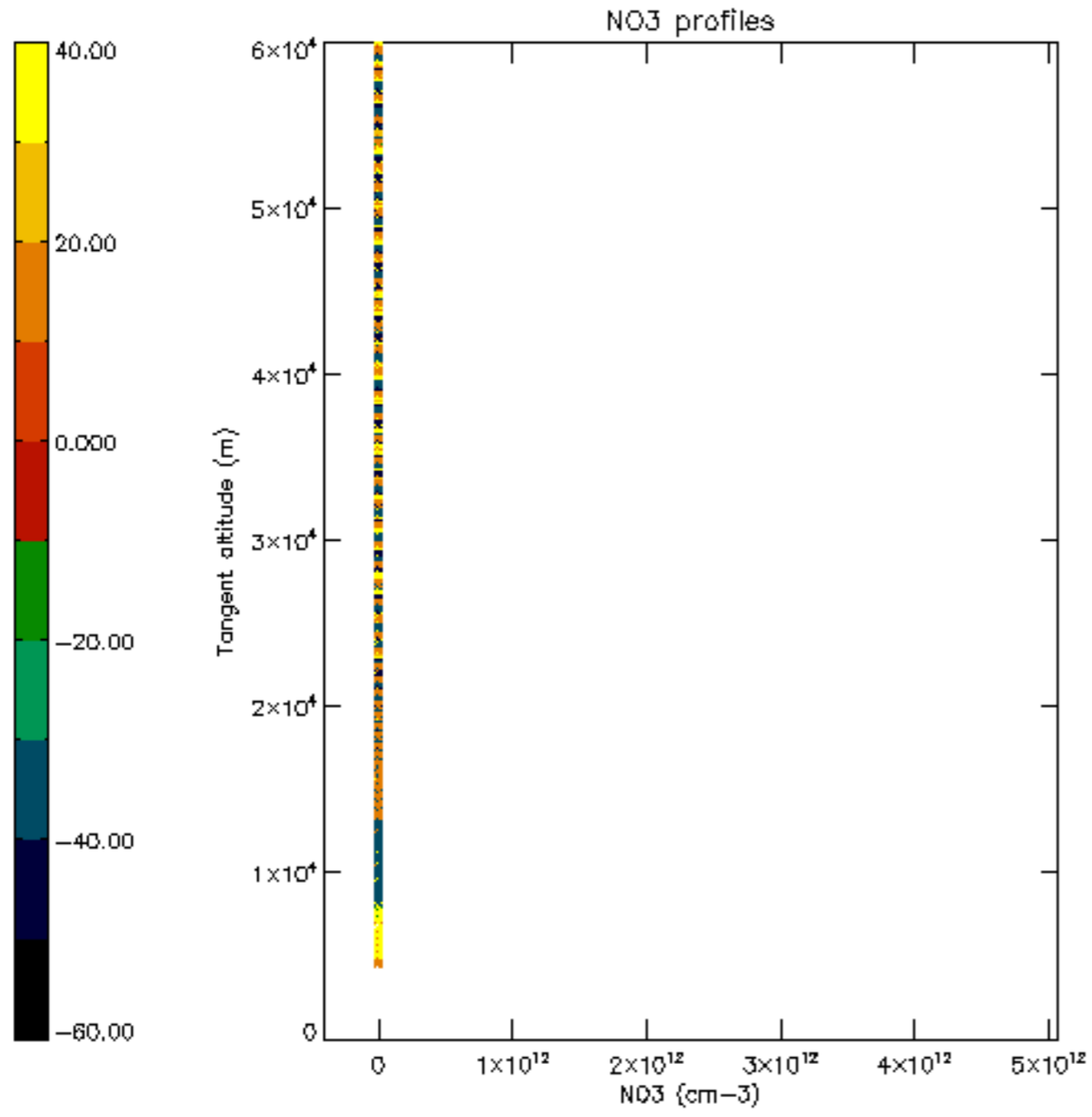


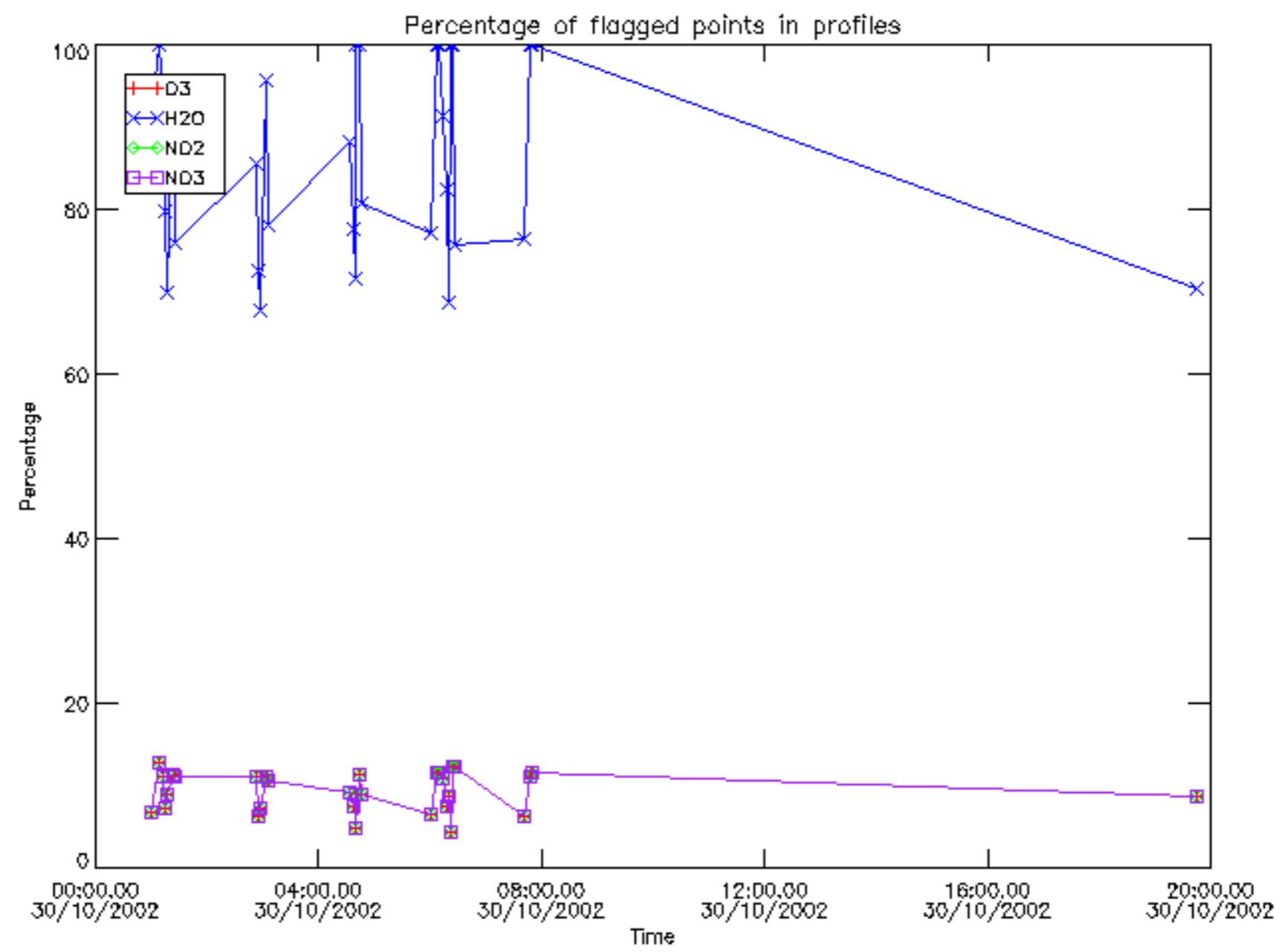




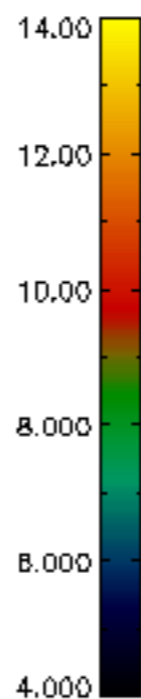
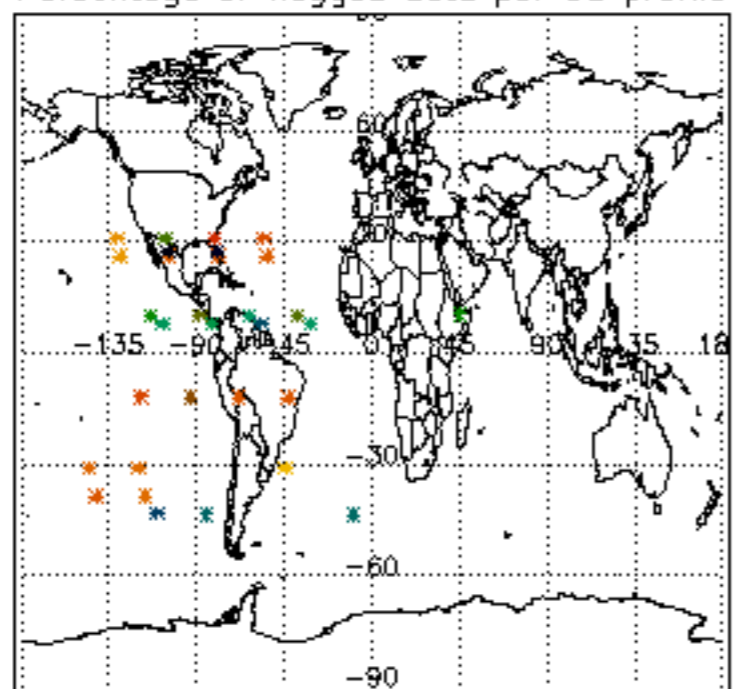




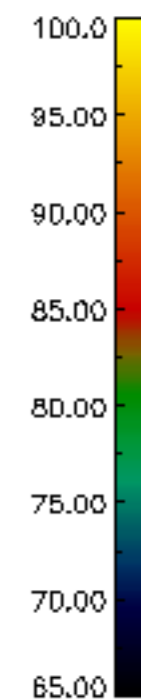
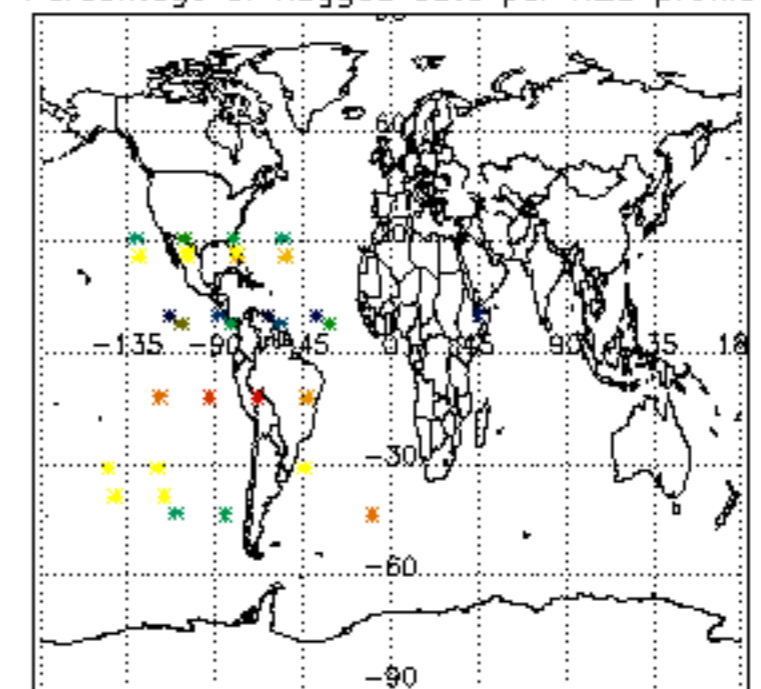




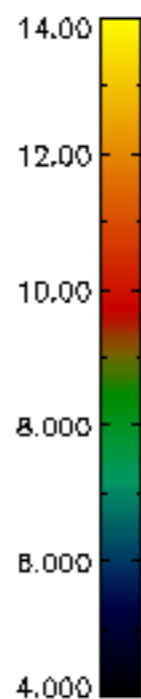
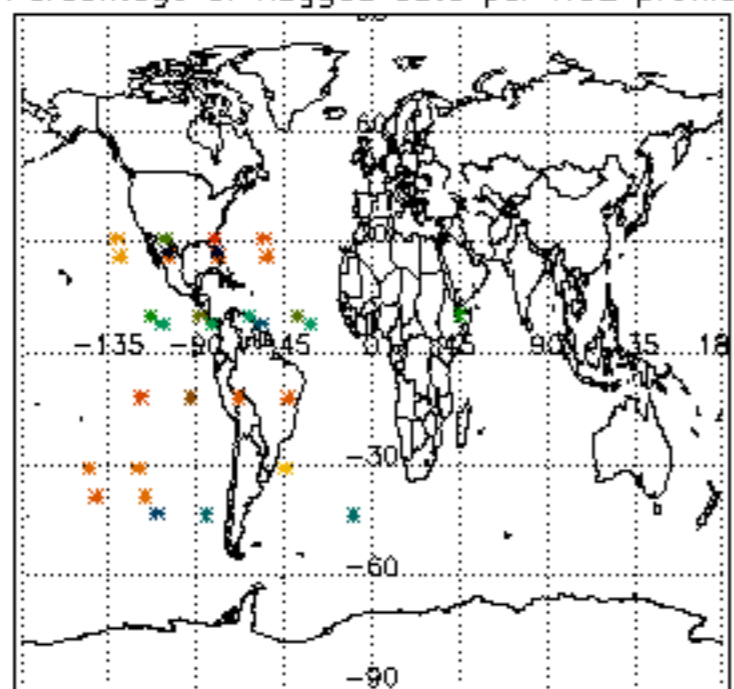
Percentage of flagged data per D3 profile



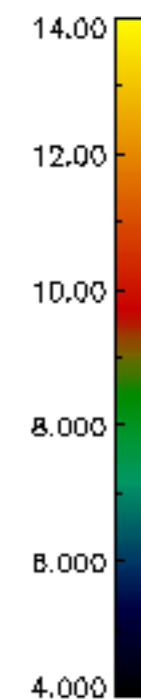
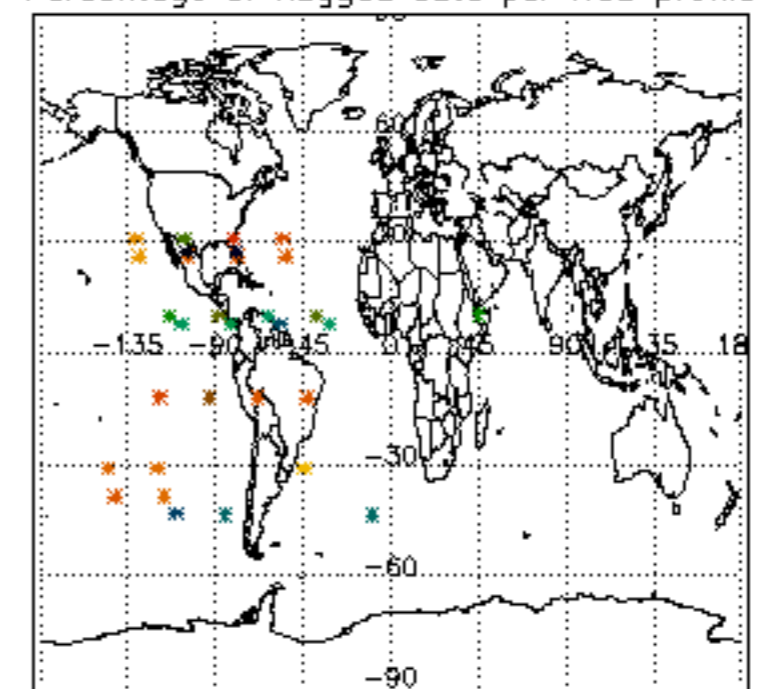
Percentage of flagged data per H2O profile

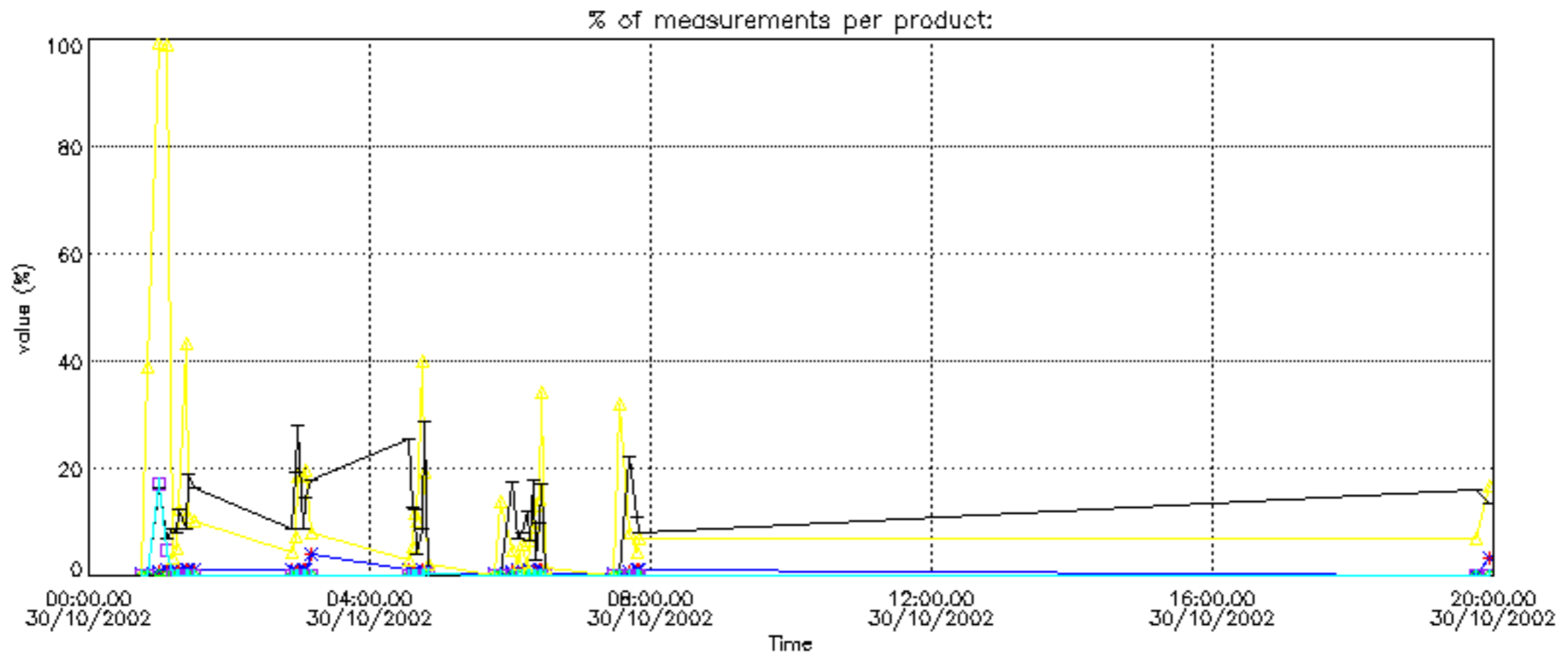
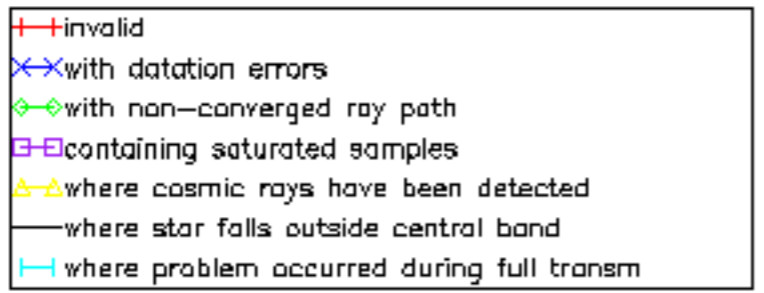


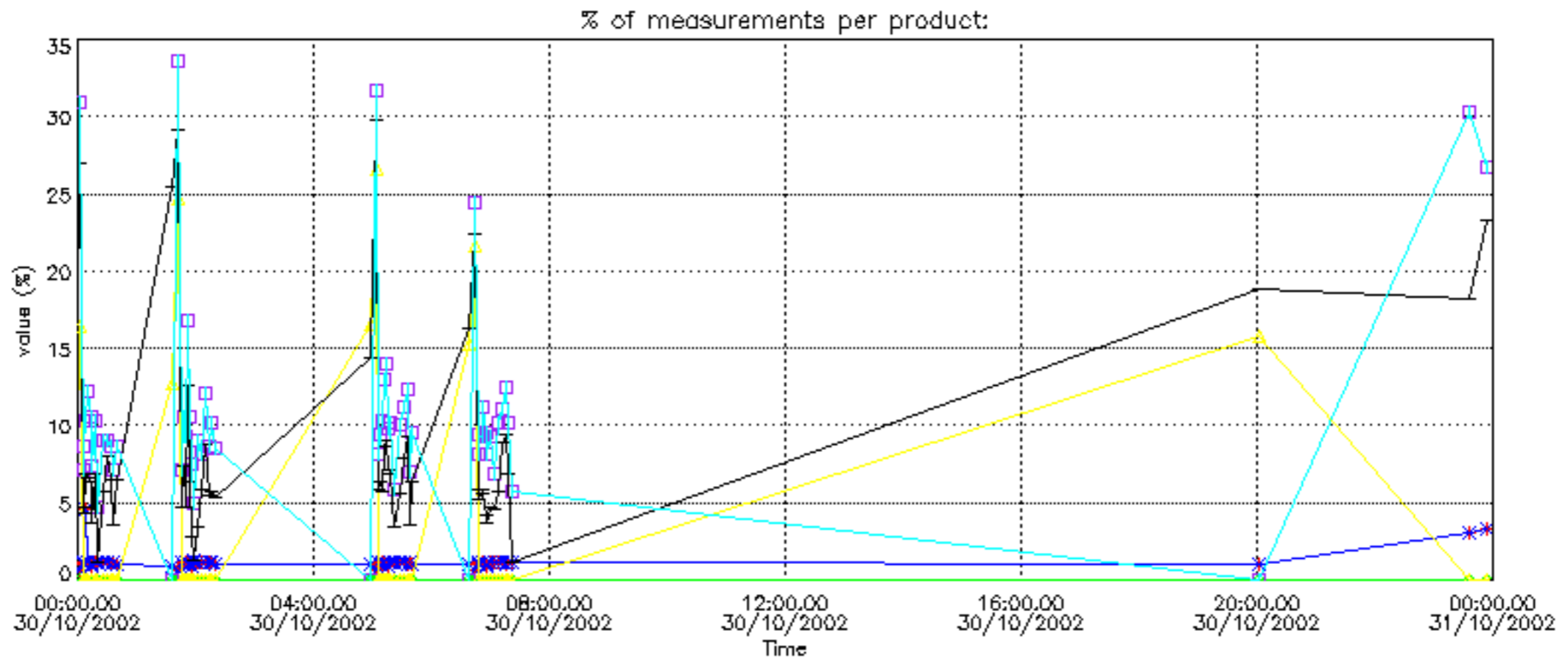
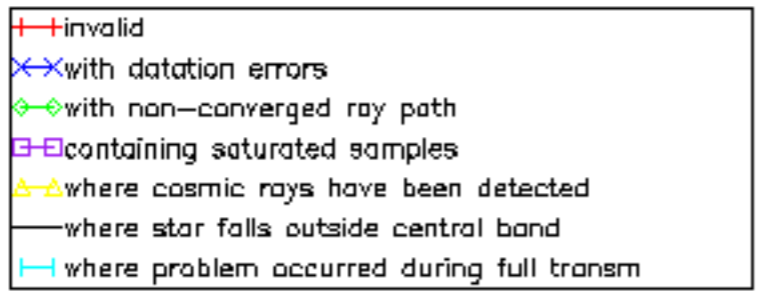
Percentage of flagged data per NO2 profile



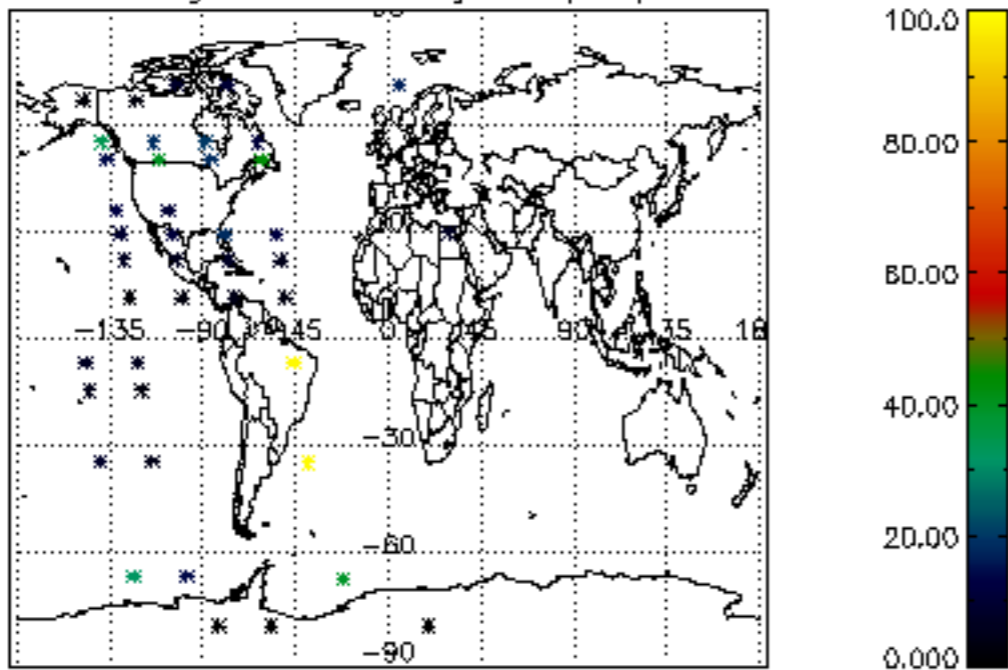
Percentage of flagged data per NO3 profile



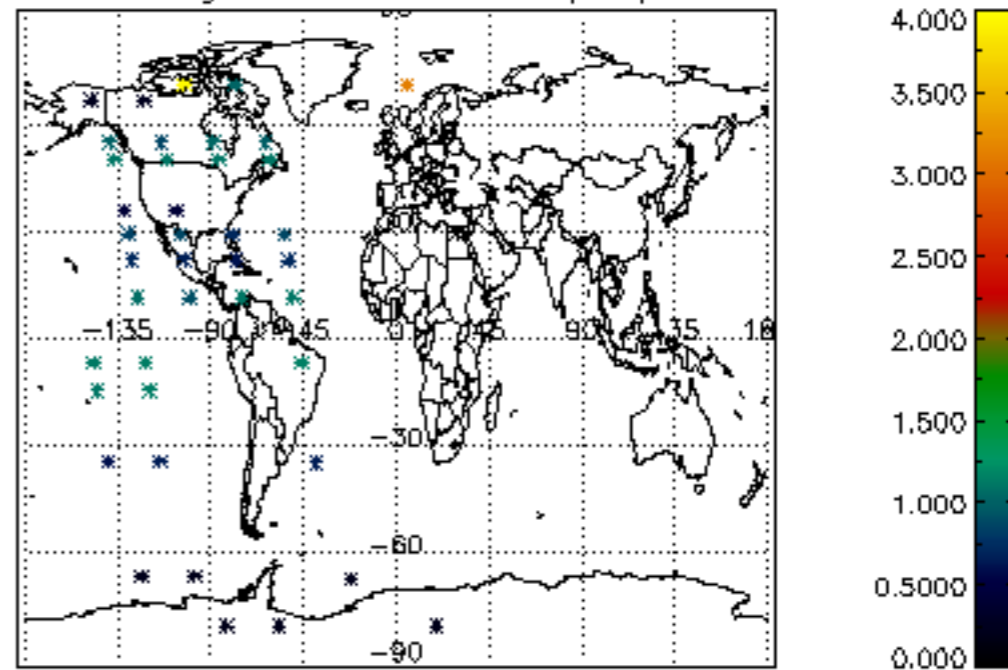




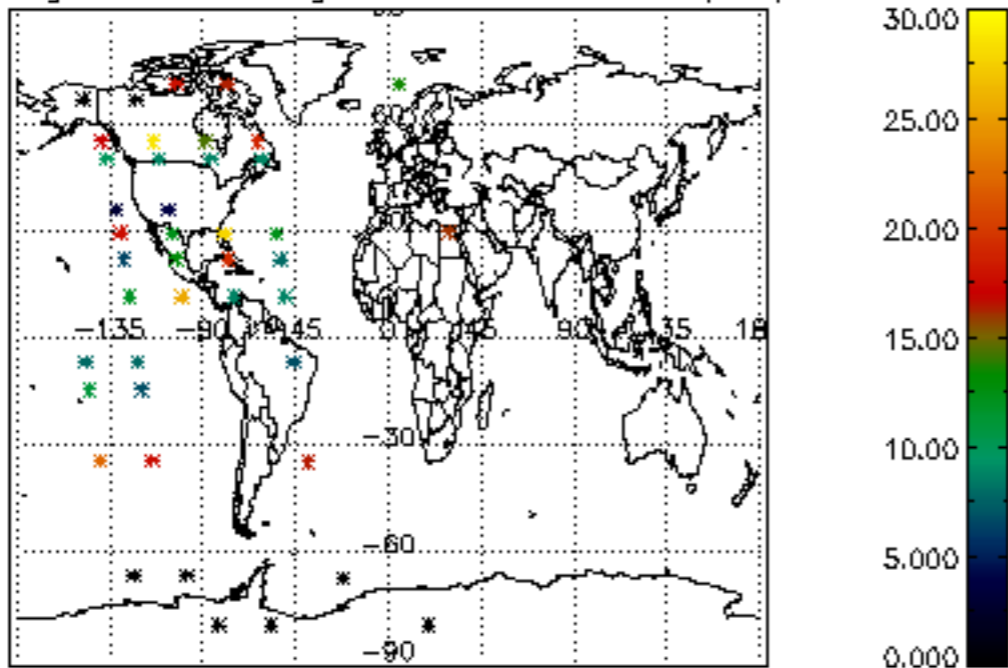
Percentage of cosmic ray hits per profile



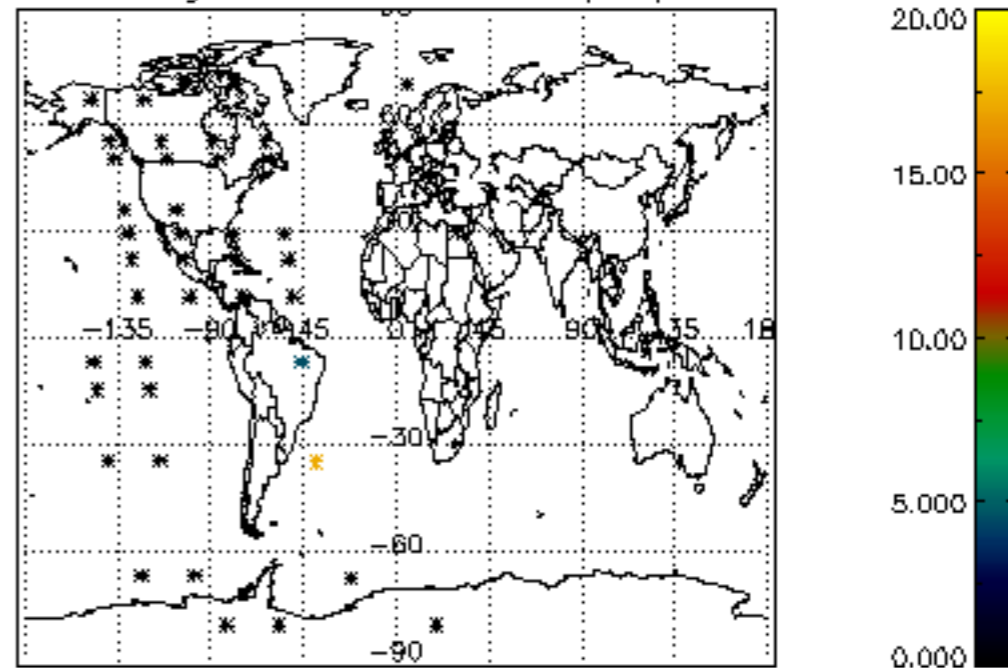
Percentage of datation errors per profile



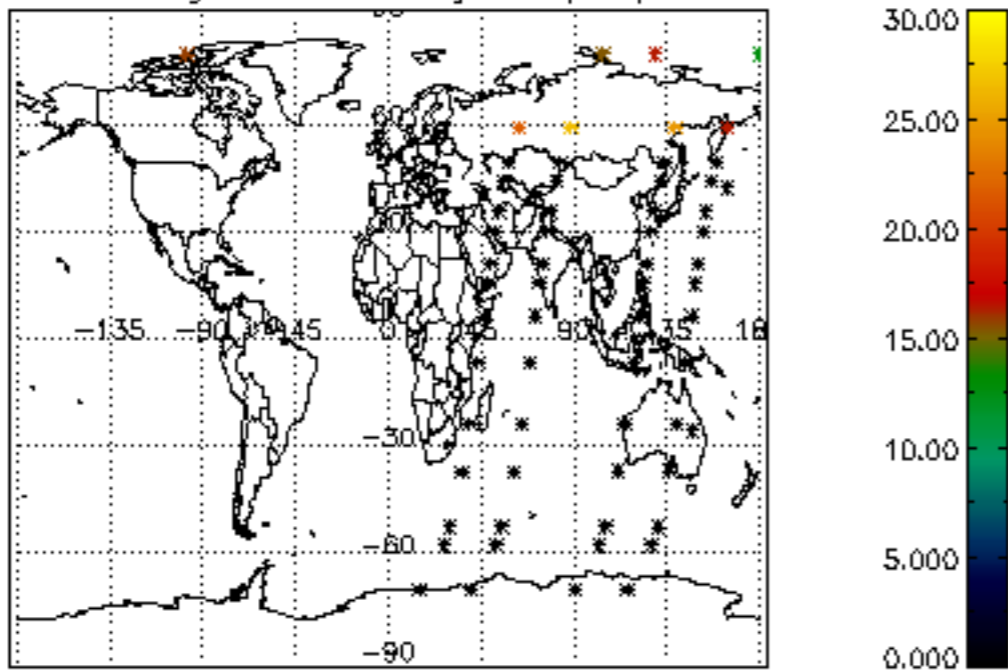
Percentage of star falling outside central band per profile



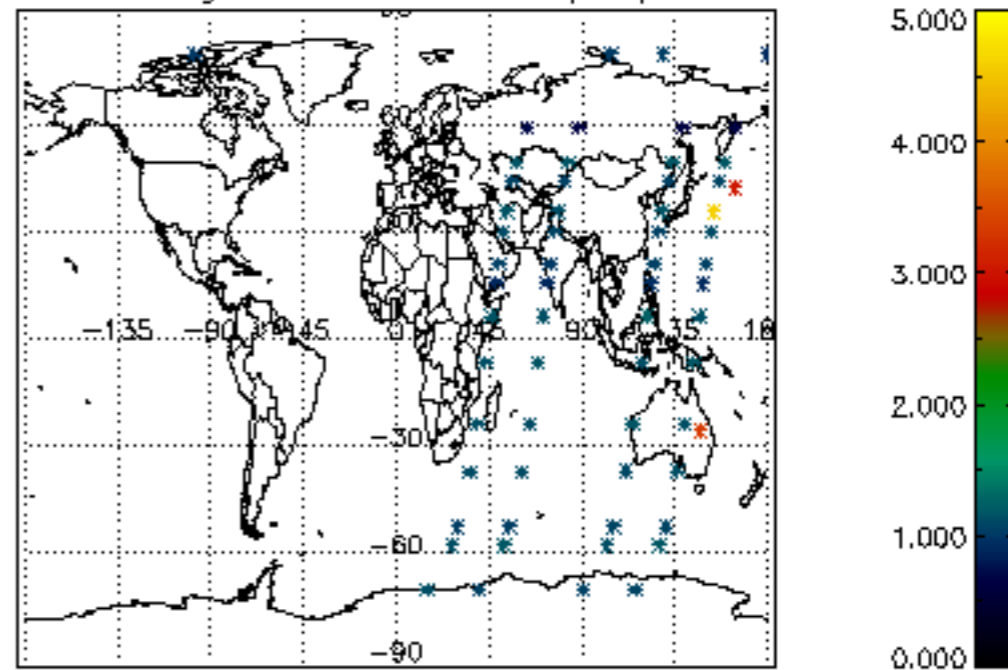
Percentage of saturation errors per profile



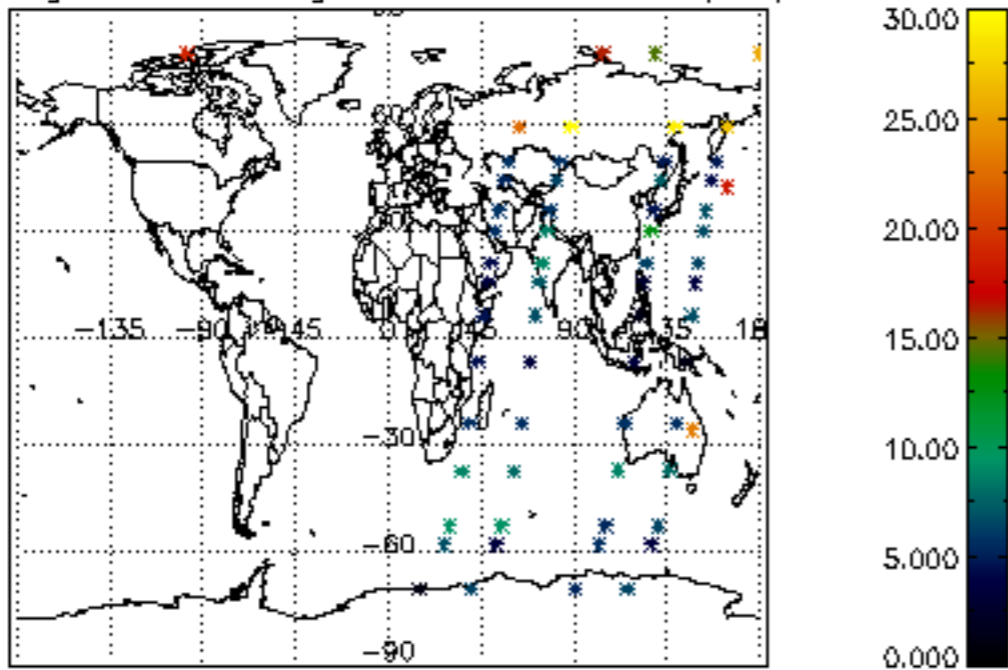
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

