

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	20APR2013 01:15:25
Data source version	GOMOS/6.01
Start time of products	03-12-2003 (03DEC2003 00:00:00)
Stop time of products	04-12-2003 (04DEC2003 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	126
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__2PRFIN20031203_000027_000000452022_00116_09188_9372.N1	03-DEC-2003 00:00:27	Bright	45.000	180	27Gam Boo	3.0400	8000.0	90	9188	No
2	GOM_NL__2PRFIN20031203_000325_000000512022_00116_09188_9373.N1	03-DEC-2003 00:03:25	Bright	51.000	83		2.3780	11000.	102	9188	No
3	GOM_NL__2PRFIN20031203_000600_000000362022_00116_09188_9374.N1	03-DEC-2003 00:06:00	Bright	35.500	3	16Alp Boo	-0.050000	4250.0	71	9188	No
4	GOM_NL__2PRFIN20031203_000952_000000772022_00116_09188_9375.N1	03-DEC-2003 00:09:52	Bright	76.500	96	68Del Leo	2.5600	9300.0	153	9188	No
5	GOM_NL__2PRFIN20031203_001403_000000462022_00116_09188_9376.N1	03-DEC-2003 00:14:03	Bright	46.000	121	29Gam Vir	2.7400	7200.0	92	9188	No
6	GOM_NL__2PRFIN20031203_001850_000000512022_00116_09188_9377.N1	03-DEC-2003 00:18:50	Twilight	51.000	163	7Del Crv	2.9450	11000.	102	9188	No
7	GOM_NL__2PRFIN20031203_002027_000000502022_00116_09188_9378.N1	03-DEC-2003 00:20:27	Dark	49.500	106	9Bet Crv	2.6480	5600.0	99	9188	No
8	GOM_NL__2PRFIN20031203_002220_000000432022_00116_09188_9379.N1	03-DEC-2003 00:22:20	Dark	42.500	123	1ot Cen	2.7500	10200.	85	9188	No
9	GOM_NL__2PRFIN20031203_002426_000000402022_00116_09188_9380.N1	03-DEC-2003 00:24:26	Dark	40.000	95	Zet Cen	2.5450	26000.	80	9188	No
10	GOM_NL__2PRFIN20031203_002619_000000372022_00116_09188_9381.N1	03-DEC-2003 00:26:19	Dark	37.000	77	Eps Cen	2.3030	28000.	74	9188	No
11	GOM_NL__2PRFIN20031203_002755_000000442022_00116_09188_9382.N1	03-DEC-2003 00:27:55	Dark	44.000	10	Bet Cen	0.61000	28000.	88	9188	No
12	GOM_NL__2PRFIN20031203_002956_000000442022_00117_09189_9348.N1	03-DEC-2003 00:29:56	Dark	43.500	12	Alp1Cru	0.77500	30000.	87	9189	No
13	GOM_NL__2PRFIN20031203_003242_000000402022_00117_09189_9349.N1	03-DEC-2003 00:32:42	Dark	40.000	124	The Car	2.7640	30000.	80	9189	No
14	GOM_NL__2PRFIN20031203_003931_000000512022_00117_09189_9350.N1	03-DEC-2003 00:39:31	Dark	51.000	34	Gam2Vel	1.7930	23000.	102	9189	No
15	GOM_NL__2PRFIN20031203_004242_000000542022_00117_09189_9351.N1	03-DEC-2003 00:42:42	Dark	54.000	2	Alp Car	-0.73600	7000.0	108	9189	No
16	GOM_NL__2PRFIN20031203_004444_000000632022_00117_09189_9352.N1	03-DEC-2003 00:44:44	Dark	63.000	117	Pi Pup	2.7060	3800.0	126	9189	No
17	GOM_NL__2PRFIN20031203_004712_000000682022_00117_09189_9353.N1	03-DEC-2003 00:47:12	Dark	67.500	88	31Eta CMa	2.4480	20000.	135	9189	No
18	GOM_NL__2PRFIN20031203_004911_000000742022_00117_09189_9354.N1	03-DEC-2003 00:49:11	Straylight	73.500	37	25Del CMa	1.8300	5900.0	147	9189	No
19	GOM_NL__2PRFIN20031203_005440_000000902022_00117_09189_9355.N1	03-DEC-2003 00:54:40	Straylight	90.000	1	9Alp CMa	-1.4400	11000.	180	9189	No
20	GOM_NL__2PRFIN20031203_005816_000000602022_00117_09189_9356.N1	03-DEC-2003 00:58:16	Straylight	59.500	7	19Bet Ori	0.10000	14000.	119	9189	No
21	GOM_NL__2PRFIN20031203_010112_000000642022_00117_09189_9357.N1	03-DEC-2003 01:01:12	Twilight	63.500	30	46Eps Ori	1.6940	30000.	127	9189	No
22	GOM_NL__2PRFIN20031203_010352_000000612022_00117_09189_9358.N1	03-DEC-2003 01:03:52	Twilight	61.000	27	24Gam Ori	1.6360	26000.	122	9189	No
23	GOM_NL__2PRFIN20031203_010611_000000622022_00117_09189_9359.N1	03-DEC-2003 01:06:11	Bright	62.000	13	87Alp Tau	0.86700	3800.0	124	9189	No
24	GOM_NL__2PRFIN20031203_010751_000000422022_00117_09189_9360.N1	03-DEC-2003 01:07:51	Bright	42.000	146	25Eta Tau	2.8730	15200.	84	9189	No
25	GOM_NL__2PRFIN20031203_011011_000000402022_00117_09189_9361.N1	03-DEC-2003 01:10:11	Bright	40.000	150	44Zet Per	2.8900	28000.	80	9189	No
26	GOM_NL__2PRFIN20031203_011228_000000402022_00117_09189_9362.N1	03-DEC-2003 01:12:28	Bright	40.000	79	26Bet Per	2.3100	13100.	80	9189	No
27	GOM_NL__2PRFIN20031203_011439_000000392022_00117_09189_9363.N1	03-DEC-2003 01:14:39	Bright	38.500	175	39Del Per	3.0100	19400.	77	9189	No
28	GOM_NL__2PRFIN20031203_011600_000000412022_00117_09189_9364.N1	03-DEC-2003 01:16:00	Bright	40.500	160	23Gam Per	2.9300	4700.0	81	9189	No
29	GOM_NL__2PRFIN20031203_011828_000000382022_00117_09189_9365.N1	03-DEC-2003 01:18:28	Bright	38.000	110	37Del Cas	2.6780	8900.0	76	9189	No
30	GOM_NL__2PRFIN20031203_012605_000000372022_00117_09189_9366.N1	03-DEC-2003 01:26:05	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	9189	No
31	GOM_NL__2PRFIN20031203_013048_000000412022_00117_09189_9367.N1	03-DEC-2003 01:30:48	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	9189	No
32	GOM_NL__2PRFIN20031203_013240_000000452022_00117_09189_9368.N1	03-DEC-2003 01:32:40	Bright	45.000	36	50Alp UMa	1.8000	6300.0	90	9189	No
33	GOM_NL__2PRFIN20031203_013416_000000682022_00117_09189_9369.N1	03-DEC-2003 01:34:16	Bright	68.000	82	48Bet UMa	2.3650	10600.	136	9189	No
34	GOM_NL__2PRFIN20031203_013559_000000422022_00117_09189_9370.N1	03-DEC-2003 01:35:59	Bright	41.500	32	77Eps UMa	1.7630	11000.	83	9189	No
35	GOM_NL__2PRFIN20031203_013806_000000402022_00117_09189_9371.N1	03-DEC-2003 01:38:06	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	9189	No
36	GOM_NL__2PRFIN20031203_014103_000000352022_00117_09189_9372.N1	03-DEC-2003 01:41:03	Bright	35.000	180	27Gam Boo	3.0400	8000.0	70	9189	No
37	GOM_NL__2PRFIN20031203_014403_000000382022_00117_09189_9373.N1	03-DEC-2003 01:44:03	Bright	37.500	83		2.3780	11000.	75	9189	No
38	GOM_NL__2PRFIN20031203_014636_000000362022_00117_09189_9374.N1	03-DEC-2003 01:46:36	Bright	36.000	3	16Alp Boo	-0.050000	4250.0	72	9189	No
39	GOM_NL__2PRFIN20031203_015029_000000772022_00117_09189_9375.N1	03-DEC-2003 01:50:29	Bright	76.500	96	68Del Leo	2.5600	9300.0	153	9189	No
40	GOM_NL__2PRFIN20031203_015439_000000482022_00117_09189_9376.N1	03-DEC-2003 01:54:39	Bright	48.000	121	29Gam Vir	2.7400	7200.0	96	9189	No
41	GOM_NL__2PRFIN20031203_020103_000000522022_00117_09189_9377.N1	03-DEC-2003 02:01:03	Dark	51.500	106	9Bet Crv	2.6480	5600.0	103	9189	No
42	GOM_NL__2PRFIN20031203_020256_000000432022_00117_09189_9378.N1	03-DEC-2003 02:02:56	Dark	43.000	123	1ot Cen	2.7500	10200.	86	9189	No

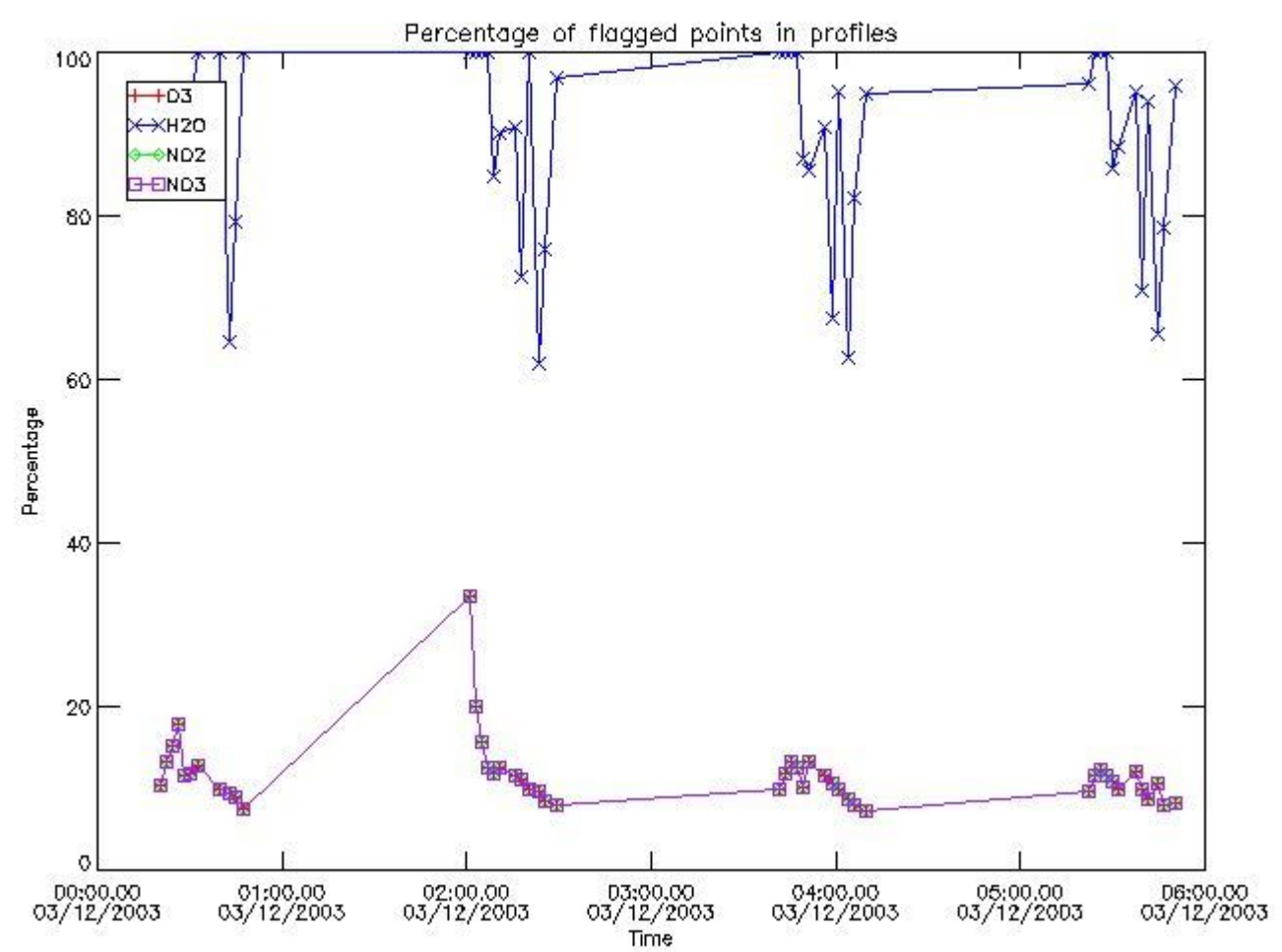
43	GOM_NL__2PRFIN20031203_020504_000000392022_00117_09189_9379.N1	03-DEC-2003 02:05:04	Dark	39.000	95	Zet Cen	2.5450	26000.	78	9189	No
44	GOM_NL__2PRFIN20031203_020652_000000412022_00117_09189_9380.N1	03-DEC-2003 02:06:52	Dark	41.000	77	Eps Cen	2.3030	28000.	82	9189	No
45	GOM_NL__2PRFIN20031203_020831_000000432022_00117_09189_9381.N1	03-DEC-2003 02:08:31	Dark	43.000	10	Bet Cen	0.61000	28000.	86	9189	No
46	GOM_NL__2PRFIN20031203_021031_000000412022_00118_09190_9348.N1	03-DEC-2003 02:10:31	Dark	40.500	12	Alp1Cru	0.77500	30000.	81	9190	No
47	GOM_NL__2PRFIN20031203_021601_000000442022_00118_09190_9349.N1	03-DEC-2003 02:16:01	Dark	44.000	29	Bet Car	1.6720	10200.	88	9190	No
48	GOM_NL__2PRFIN20031203_021801_000000462022_00118_09190_9350.N1	03-DEC-2003 02:18:01	Dark	46.000	41	Eps Car	1.8600	4100.0	92	9190	No
49	GOM_NL__2PRFIN20031203_022008_000000512022_00118_09190_9351.N1	03-DEC-2003 02:20:08	Dark	51.000	34	Gam2Vel	1.7930	23000.	102	9190	No
50	GOM_NL__2PRFIN20031203_022320_000000532022_00118_09190_9352.N1	03-DEC-2003 02:23:20	Dark	53.000	2	Alp Car	-0.73600	7000.0	106	9190	No
51	GOM_NL__2PRFIN20031203_022521_000000612022_00118_09190_9353.N1	03-DEC-2003 02:25:21	Dark	60.500	117	Pi Pup	2.7060	3800.0	121	9190	No
52	GOM_NL__2PRFIN20031203_022906_000000652022_00118_09190_9354.N1	03-DEC-2003 02:29:06	Dark	64.500	23	21Eps CMa	1.5020	26000.	129	9190	No
53	GOM_NL__2PRFIN20031203_023113_000000682022_00118_09190_9355.N1	03-DEC-2003 02:31:13	Straylight	67.500	179	24Omi2CMa	3.0320	24000.	135	9190	No
54	GOM_NL__2PRFIN20031203_023517_000000912022_00118_09190_9356.N1	03-DEC-2003 02:35:17	Straylight	90.500	1	9Alp CMa	-1.4400	11000.	181	9190	No
55	GOM_NL__2PRFIN20031203_023830_000000602022_00118_09190_9357.N1	03-DEC-2003 02:38:30	Straylight	59.500	56	53Kap Ori	2.0650	30000.	119	9190	No
56	GOM_NL__2PRFIN20031203_024148_000000612022_00118_09190_9358.N1	03-DEC-2003 02:41:48	Tw_i_and_stray	61.000	30	46Eps Ori	1.6940	30000.	122	9190	No
57	GOM_NL__2PRFIN20031203_024428_000000632022_00118_09190_9359.N1	03-DEC-2003 02:44:28	Tw_i_and_stray	62.500	27	24Gam Ori	1.6360	26000.	125	9190	No
58	GOM_NL__2PRFIN20031203_024648_000000562022_00118_09190_9360.N1	03-DEC-2003 02:46:48	Bright	56.000	13	87Alp Tau	0.86700	3800.0	112	9190	No
59	GOM_NL__2PRFIN20031203_024827_000000412022_00118_09190_9361.N1	03-DEC-2003 02:48:27	Bright	41.000	146	25Eta Tau	2.8730	15200.	82	9190	No
60	GOM_NL__2PRFIN20031203_025048_000000402022_00118_09190_9362.N1	03-DEC-2003 02:50:48	Bright	39.500	150	44Zet Per	2.8900	28000.	79	9190	No
61	GOM_NL__2PRFIN20031203_025306_000000392022_00118_09190_9363.N1	03-DEC-2003 02:53:06	Bright	38.500	79	26Bet Per	2.3100	13100.	77	9190	No
62	GOM_NL__2PRFIN20031203_025516_000000392022_00118_09190_9364.N1	03-DEC-2003 02:55:16	Bright	38.500	175	39Del Per	3.0100	19400.	77	9190	No
63	GOM_NL__2PRFIN20031203_025639_000000382022_00118_09190_9365.N1	03-DEC-2003 02:56:39	Bright	37.500	160	23Gam Per	2.9300	4700.0	75	9190	No
64	GOM_NL__2PRFIN20031203_025905_000000372022_00118_09190_9366.N1	03-DEC-2003 02:59:05	Bright	37.000	110	37Del Cas	2.6780	8900.0	74	9190	No
65	GOM_NL__2PRFIN20031203_030643_000000382022_00118_09190_9367.N1	03-DEC-2003 03:06:43	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	9190	No
66	GOM_NL__2PRFIN20031203_031122_000000422022_00118_09190_9368.N1	03-DEC-2003 03:11:22	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	9190	No
67	GOM_NL__2PRFIN20031203_031316_000000462022_00118_09190_9369.N1	03-DEC-2003 03:13:16	Bright	45.500	36	50Alp UMa	1.8000	6300.0	91	9190	No
68	GOM_NL__2PRFIN20031203_031451_000000482022_00118_09190_9370.N1	03-DEC-2003 03:14:51	Bright	48.000	82	48Bet UMa	2.3650	10600.	96	9190	No
69	GOM_NL__2PRFIN20031203_031635_000000422022_00118_09190_9371.N1	03-DEC-2003 03:16:35	Bright	41.500	32	77Eps UMa	1.7630	11000.	83	9190	No
70	GOM_NL__2PRFIN20031203_031842_000000542022_00118_09190_9372.N1	03-DEC-2003 03:18:42	Bright	54.000	39	85Eta UMa	1.8540	24000.	108	9190	No
71	GOM_NL__2PRFIN20031203_032138_000000522022_00118_09190_9373.N1	03-DEC-2003 03:21:38	Bright	52.000	180	27Gam Boo	3.0400	8000.0	104	9190	No
72	GOM_NL__2PRFIN20031203_032439_000000372022_00118_09190_9374.N1	03-DEC-2003 03:24:39	Bright	37.000	83		2.3780	11000.	74	9190	No
73	GOM_NL__2PRFIN20031203_032712_000000372022_00118_09190_9375.N1	03-DEC-2003 03:27:12	Bright	36.500	3	16Alp Boo	-0.050000	4250.0	73	9190	No
74	GOM_NL__2PRFIN20031203_033106_000000772022_00118_09190_9376.N1	03-DEC-2003 03:31:06	Bright	77.000	96	68Del Leo	2.5600	9300.0	154	9190	No
75	GOM_NL__2PRFIN20031203_033516_000000452022_00118_09190_9377.N1	03-DEC-2003 03:35:16	Bright	45.000	121	29Gam Vir	2.7400	7200.0	90	9190	No
76	GOM_NL__2PRFIN20031203_034003_000000502022_00118_09190_9378.N1	03-DEC-2003 03:40:03	Tw_i_and_stray	49.500	163	7Del Crv	2.9450	11000.	99	9190	No
77	GOM_NL__2PRFIN20031203_034140_000000512022_00118_09190_9379.N1	03-DEC-2003 03:41:40	Dark	51.000	106	9Bet Crv	2.6480	5600.0	102	9190	No
78	GOM_NL__2PRFIN20031203_034333_000000432022_00118_09190_9380.N1	03-DEC-2003 03:43:33	Dark	43.000	123	1ot Cen	2.7500	10200.	86	9190	No
79	GOM_NL__2PRFIN20031203_034540_000000422022_00118_09190_9381.N1	03-DEC-2003 03:45:40	Dark	42.000	95	Zet Cen	2.5450	26000.	84	9190	No
80	GOM_NL__2PRFIN20031203_034730_000000412022_00118_09190_9382.N1	03-DEC-2003 03:47:30	Dark	41.000	77	Eps Cen	2.3030	28000.	82	9190	No
81	GOM_NL__2PRFIN20031203_034907_000000502022_00118_09190_9383.N1	03-DEC-2003 03:49:07	Dark	50.000	10	Bet Cen	0.61000	28000.	100	9190	No
82	GOM_NL__2PRFIN20031203_035108_000000392022_00119_09191_9348.N1	03-DEC-2003 03:51:08	Dark	38.500	12	Alp1Cru	0.77500	30000.	77	9191	No
83	GOM_NL__2PRFIN20031203_035637_000000442022_00119_09191_9349.N1	03-DEC-2003 03:56:37	Dark	44.000	29	Bet Car	1.6720	10200.	88	9191	No
84	GOM_NL__2PRFIN20031203_035838_000000482022_00119_09191_9350.N1	03-DEC-2003 03:58:38	Dark	48.000	41	Eps Car	1.8600	4100.0	96	9191	No
85	GOM_NL__2PRFIN20031203_040045_000000522022_00119_09191_9351.N1	03-DEC-2003 04:00:45	Dark	51.500	34	Gam2Vel	1.7930	23000.	103	9191	No
86	GOM_NL__2PRFIN20031203_040355_000000582022_00119_09191_9352.N1	03-DEC-2003 04:03:55	Dark	58.000	2	Alp Car	-0.73600	7000.0	116	9191	No
87	GOM_NL__2PRFIN20031203_040557_000000652022_00119_09191_9353.N1	03-DEC-2003 04:05:57	Dark	64.500	117	Pi Pup	2.7060	3800.0	129	9191	No
88	GOM_NL__2PRFIN20031203_040942_000000702022_00119_09191_9354.N1	03-DEC-2003 04:09:42	Dark	69.500	23	21Eps CMa	1.5020	26000.	139	9191	No
89	GOM_NL__2PRFIN20031203_041149_000000712022_00119_09191_9355.N1	03-DEC-2003 04:11:49	Straylight	70.500	179	24Omi2CMa	3.0320	24000.	141	9191	No
90	GOM_NL__2PRFIN20031203_041552_000000932022_00119_09191_9356.N1	03-DEC-2003 04:15:52	Straylight	93.000	1	9Alp CMa	-1.4400	11000.	186	9191	No
91	GOM_NL__2PRFIN20031203_041905_000000642022_00119_09191_9357.N1	03-DEC-2003 04:19:05	Straylight	63.500	56	53Kap Ori	2.0650	30000.	127	9191	No
92	GOM_NL__2PRFIN20031203_042224_000000592022_00119_09191_9358.N1	03-DEC-2003 04:22:24	Tw_i_and_stray	59.000	30	46Eps Ori	1.6940	30000.	118	9191	No
93	GOM_NL__2PRFIN20031203_042503_000000602022_00119_09191_9359.N1	03-DEC-2003 04:25:03	Tw_i_and_stray	59.500	27	24Gam Ori	1.6360	26000.	119	9191	No
94	GOM_NL__2PRFIN20031203_042723_000000602022_00119_09191_9360.N1	03-DEC-2003 04:27:23	Bright	59.500	13	87Alp Tau	0.86700	3800.0	119	9191	No
95	GOM_NL__2PRFIN20031203_042901_000000412022_00119_09191_9361.N1	03-DEC-2003 04:29:01	Bright	41.000	146	25Eta Tau	2.8730	15200.	82	9191	No
96	GOM_NL__2PRFIN20031203_043124_000000402022_00119_09191_9362.N1	03-DEC-2003 04:31:24	Bright	40.000	150	44Zet Per	2.8900	28000.	80	9191	No
97	GOM_NL__2PRFIN20031203_043341_000000392022_00119_09191_9363.N1	03-DEC-2003 04:33:41	Bright	39.000	79	26Bet Per	2.3100	13100.	78	9191	No
98	GOM_NL__2PRFIN20031203_043551_000000392022_00119_09191_9364.N1	03-DEC-2003 04:35:51	Bright	38.500	175	39Del Per	3.0100	19400.	77	9191	No
99	GOM_NL__2PRFIN20031203_043714_000000392022_00119_09191_9365.N1	03-DEC-2003 04:37:14	Bright	39.000	160	23Gam Per	2.9300	4700.0	78	9191	No
100	GOM_NL__2PRFIN20031203_043941_000000382022_00119_09191_9366.N1	03-DEC-2003 04:39:41	Bright	38.000	110	37Del Cas	2.6780	8900.0	76	9191	No
101	GOM_NL__2PRFIN20031203_044719_000000382022_00119_09191_9367.N1	03-DEC-2003 04:47:19	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	9191	No

102	GOM_NL__2PRFIN20031203_045158_000000432022_00119_09191_9368.N1	03-DEC-2003 04:51:58	Bright	43.000	60	7Bet UMi	2.0810	3950.0	86	9191	No
103	GOM_NL__2PRFIN20031203_045351_000000472022_00119_09191_9369.N1	03-DEC-2003 04:53:51	Bright	46.500	36	50Alp UMa	1.8000	6300.0	93	9191	No
104	GOM_NL__2PRFIN20031203_045527_000000482022_00119_09191_9370.N1	03-DEC-2003 04:55:27	Bright	47.500	82	48Bet UMa	2.3650	10600.	95	9191	No
105	GOM_NL__2PRFIN20031203_045710_000000422022_00119_09191_9371.N1	03-DEC-2003 04:57:10	Bright	42.000	32	77Eps UMa	1.7630	11000.	84	9191	No
106	GOM_NL__2PRFIN20031203_045918_000000542022_00119_09191_9372.N1	03-DEC-2003 04:59:18	Bright	54.000	39	85Eta UMa	1.8540	24000.	108	9191	No
107	GOM_NL__2PRFIN20031203_050214_000000372022_00119_09191_9373.N1	03-DEC-2003 05:02:14	Bright	37.000	180	27Gam Boo	3.0400	8000.0	74	9191	No
108	GOM_NL__2PRFIN20031203_050514_000000392022_00119_09191_9374.N1	03-DEC-2003 05:05:14	Bright	38.500	83		2.3780	11000.	77	9191	No
109	GOM_NL__2PRFIN20031203_050749_000000362022_00119_09191_9375.N1	03-DEC-2003 05:07:49	Bright	36.000	3	16Alp Boo	-0.050000	4250.0	72	9191	No
110	GOM_NL__2PRFIN20031203_051143_000000822022_00119_09191_9376.N1	03-DEC-2003 05:11:43	Bright	81.500	96	68Del Leo	2.5600	9300.0	163	9191	No
111	GOM_NL__2PRFIN20031203_051553_000000472022_00119_09191_9377.N1	03-DEC-2003 05:15:53	Bright	46.500	121	29Gam Vir	2.7400	7200.0	93	9191	No
112	GOM_NL__2PRFIN20031203_052038_000000502022_00119_09191_9378.N1	03-DEC-2003 05:20:38	Tw_i_and_stray	49.500	163	7Del Crv	2.9450	11000.	99	9191	No
113	GOM_NL__2PRFIN20031203_052215_000000542022_00119_09191_9379.N1	03-DEC-2003 05:22:15	Dark	53.500	106	9Bet Crv	2.6480	5600.0	107	9191	No
114	GOM_NL__2PRFIN20031203_052409_000000442022_00119_09191_9380.N1	03-DEC-2003 05:24:09	Dark	44.000	123	1ot Cen	2.7500	10200.	88	9191	No
115	GOM_NL__2PRFIN20031203_052616_000000422022_00119_09191_9381.N1	03-DEC-2003 05:26:16	Dark	41.500	95	Zet Cen	2.5450	26000.	83	9191	No
116	GOM_NL__2PRFIN20031203_052805_000000452022_00119_09191_9382.N1	03-DEC-2003 05:28:05	Dark	44.500	77	Eps Cen	2.3030	28000.	89	9191	No
117	GOM_NL__2PRFIN20031203_052943_000000472022_00119_09191_9383.N1	03-DEC-2003 05:29:43	Dark	46.500	10	Bet Cen	0.61000	28000.	93	9191	No
118	GOM_NL__2PRFIN20031203_053144_000000522022_00120_09192_9348.N1	03-DEC-2003 05:31:44	Dark	52.000	12	Alp1Cru	0.77500	30000.	104	9192	No
119	GOM_NL__2PRFIN20031203_053715_000000422022_00120_09192_9349.N1	03-DEC-2003 05:37:15	Dark	42.000	29	Bet Car	1.6720	10200.	84	9192	No
120	GOM_NL__2PRFIN20031203_053915_000000522022_00120_09192_9350.N1	03-DEC-2003 05:39:15	Dark	52.000	41	Eps Car	1.8600	4100.0	104	9192	No
121	GOM_NL__2PRFIN20031203_054121_000000582022_00120_09192_9351.N1	03-DEC-2003 05:41:21	Dark	58.000	34	Gam2Vel	1.7930	23000.	116	9192	No
122	GOM_NL__2PRFIN20031203_054433_000000492022_00120_09192_9352.N1	03-DEC-2003 05:44:33	Dark	48.500	2	Alp Car	-0.73600	7000.0	97	9192	No
123	GOM_NL__2PRFIN20031203_054634_000000642022_00120_09192_9353.N1	03-DEC-2003 05:46:34	Dark	63.500	117	Pi Pup	2.7060	3800.0	127	9192	No
124	GOM_NL__2PRFIN20031203_055018_000000632022_00120_09192_9354.N1	03-DEC-2003 05:50:18	Dark	62.500	23	21Eps CMa	1.5020	26000.	125	9192	No
125	GOM_NL__2PRFIN20031203_055226_000000692022_00120_09192_9355.N1	03-DEC-2003 05:52:26	Straylight	68.500	179	24Omi2CMa	3.0320	24000.	137	9192	No
126	GOM_NL__2PRFIN20031203_055628_000000922022_00120_09192_9356.N1	03-DEC-2003 05:56:28	Straylight	91.500	1	9Alp CMa	-1.4400	11000.	183	9192	No

3. Quality information per product

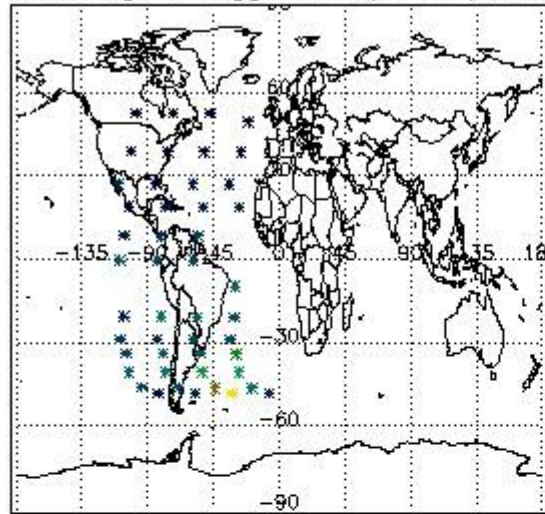
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

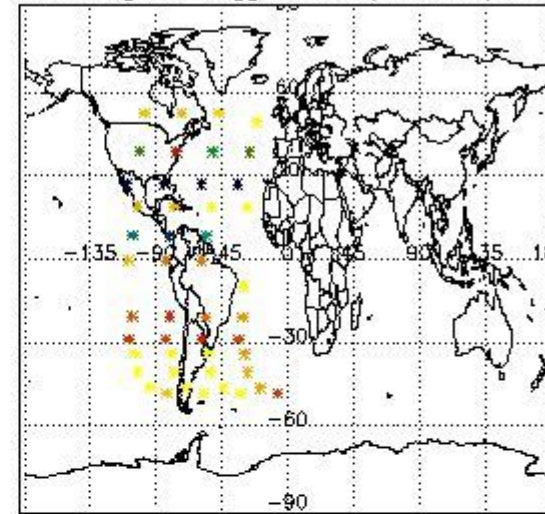


3.2 Plot quality information per product (world map)

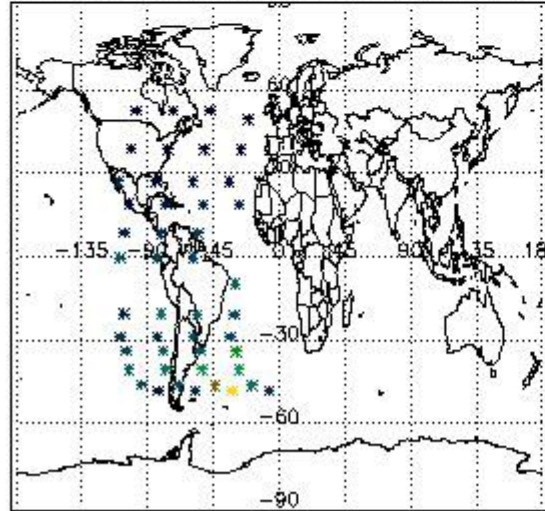
Percentage of flagged data per O3 profile



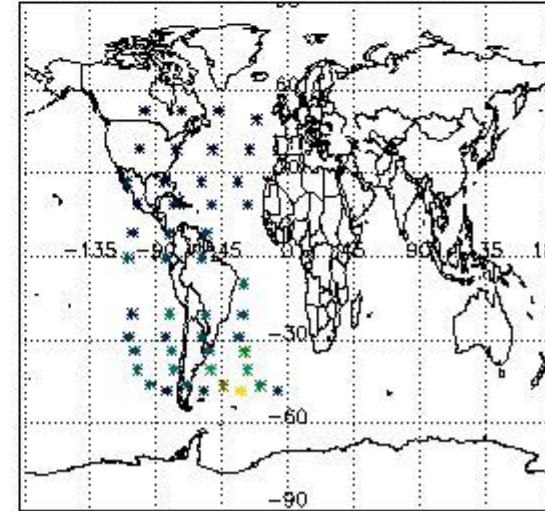
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

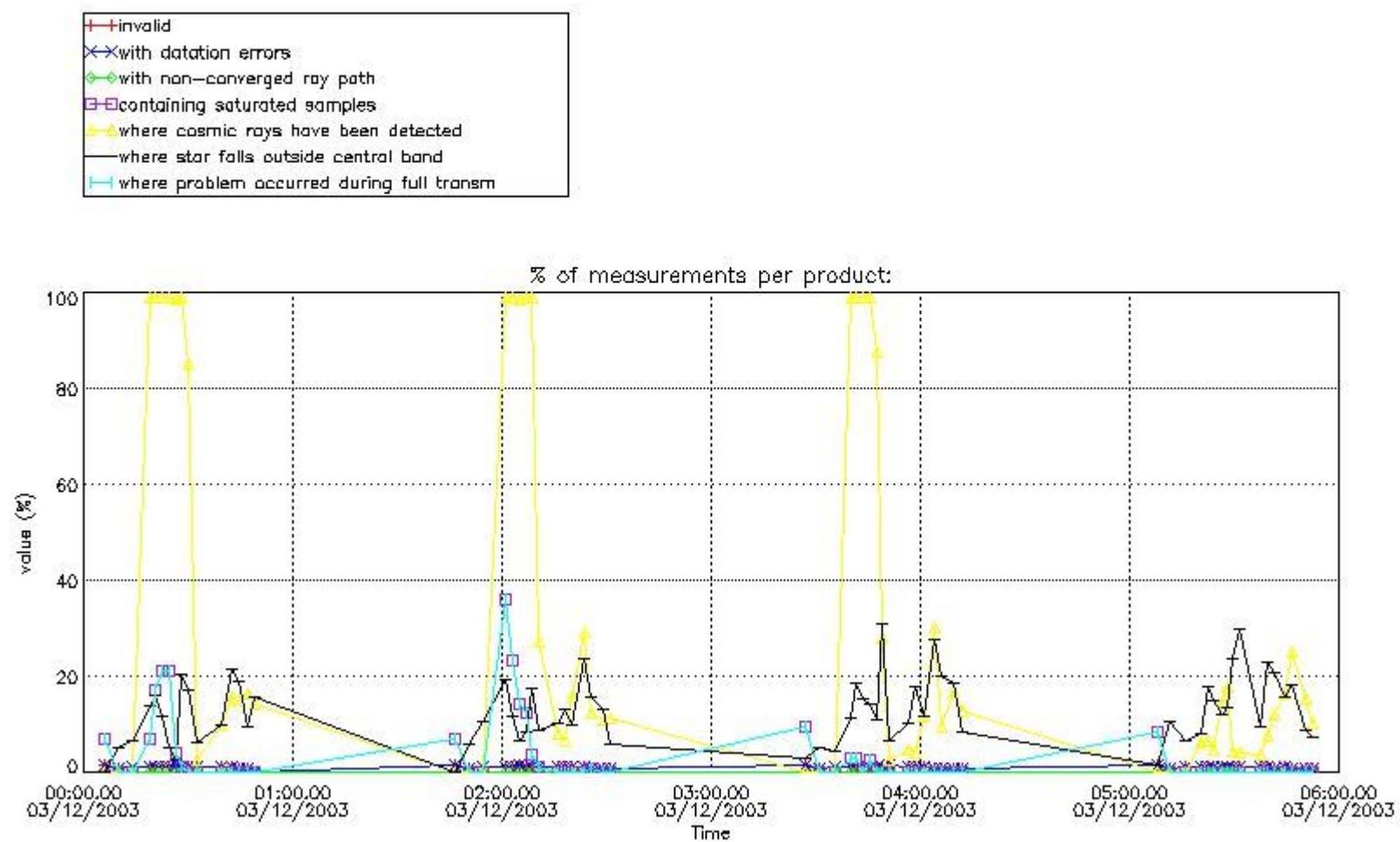


4. Level 1 quality information per product

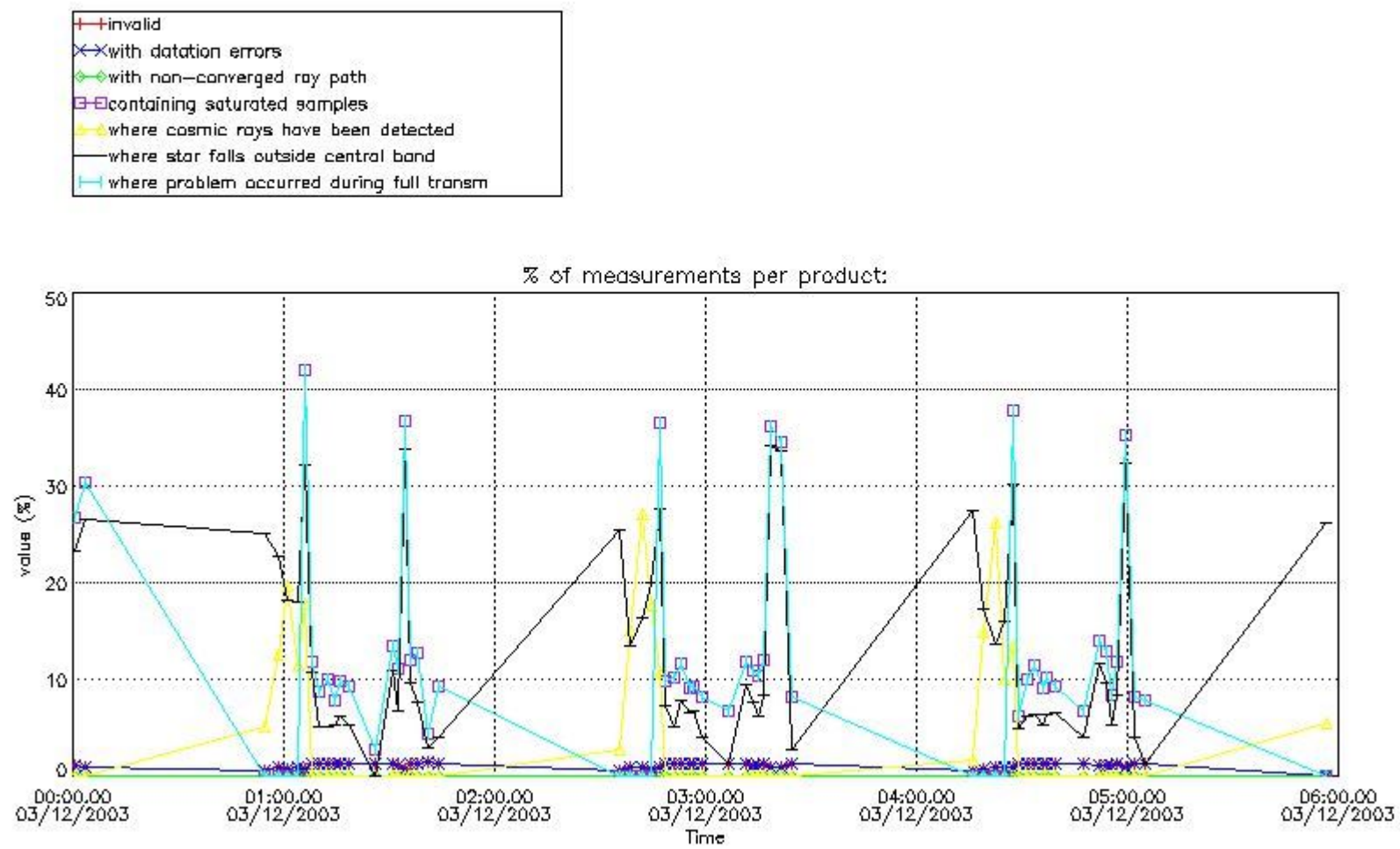
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



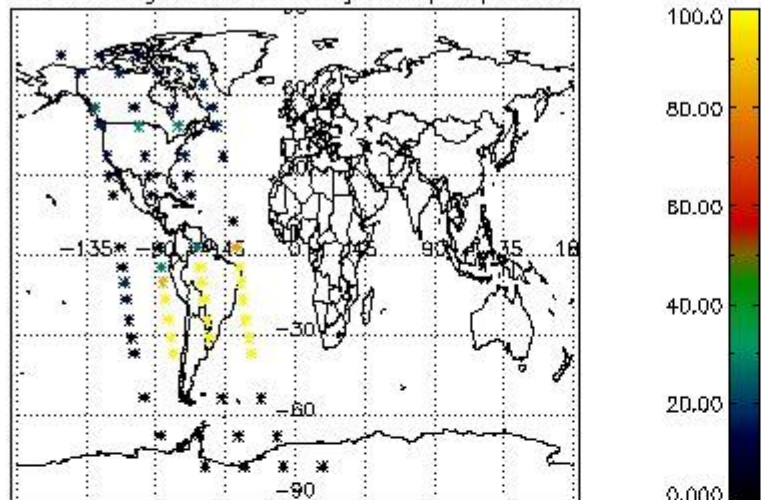
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



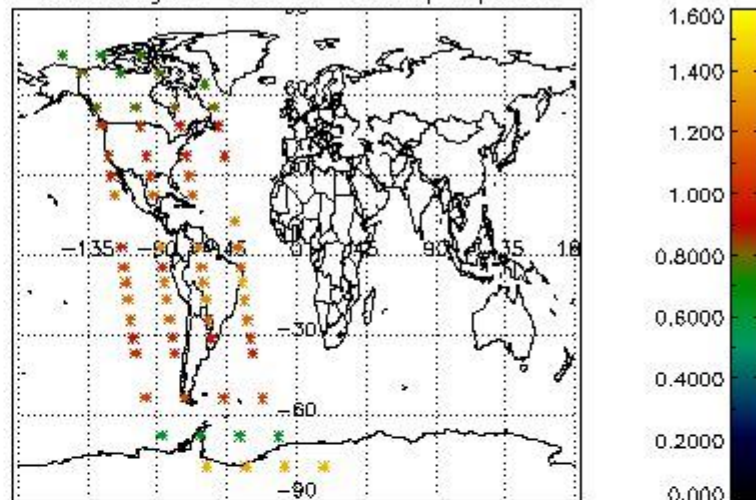
4.2 Plot quality information per product coming from level 1b processing (world map)

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

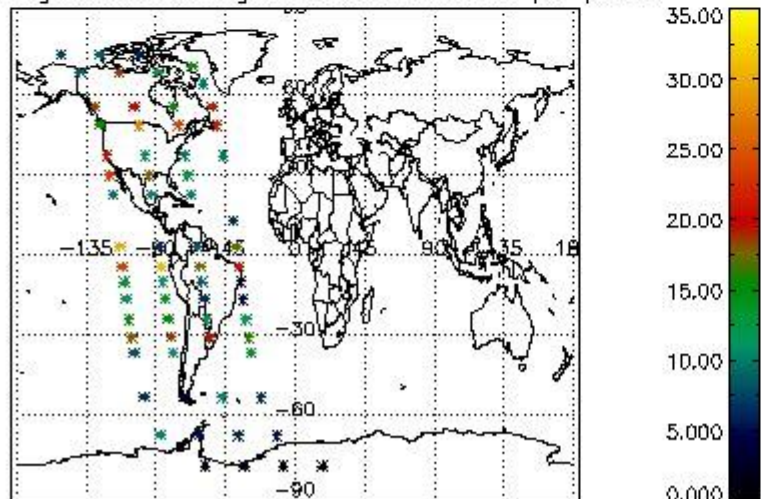
Percentage of cosmic ray hits per profile



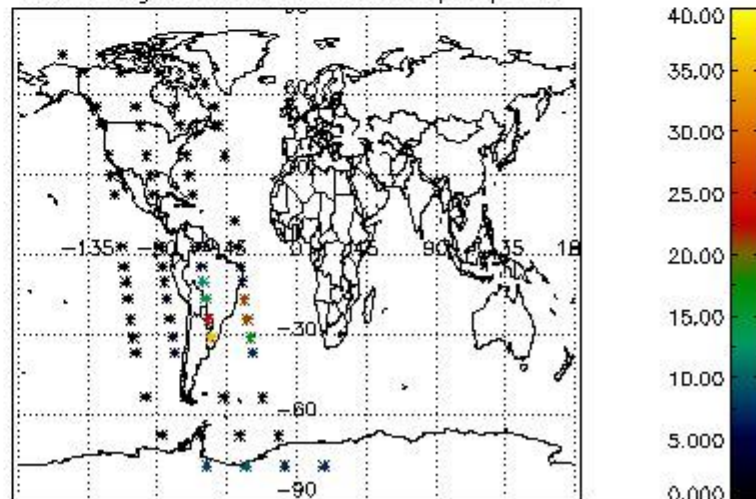
Percentage of datation errors per profile



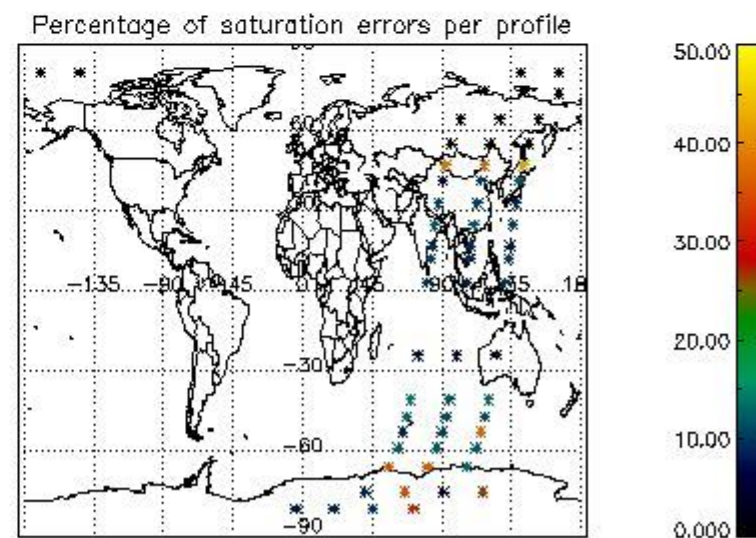
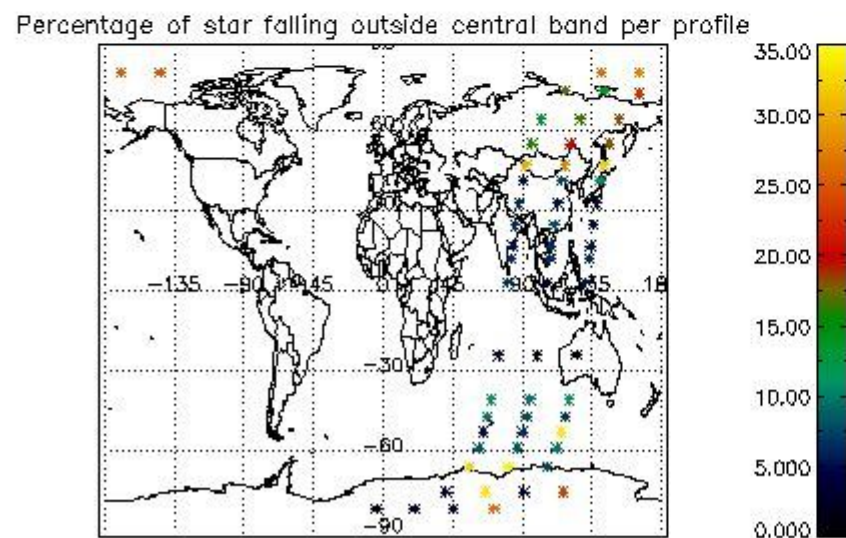
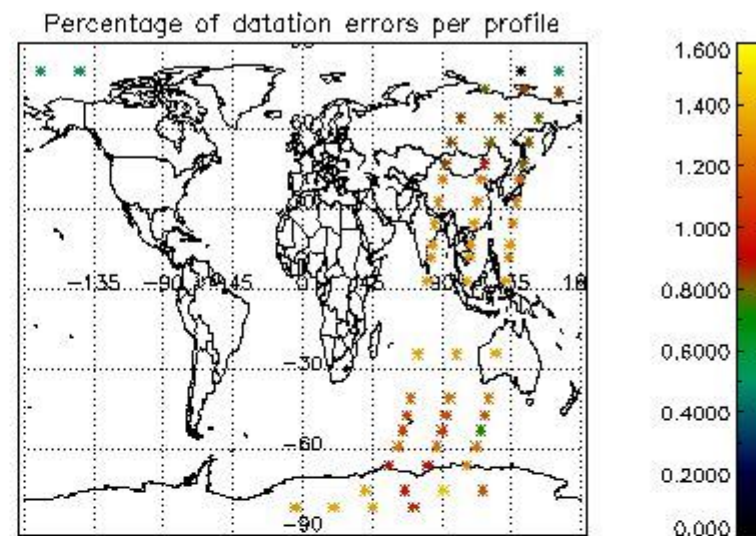
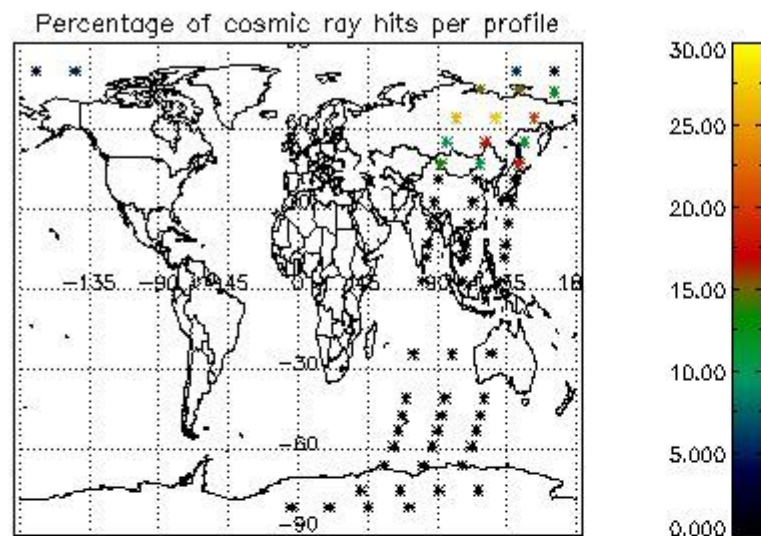
Percentage of star falling outside central band per profile



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

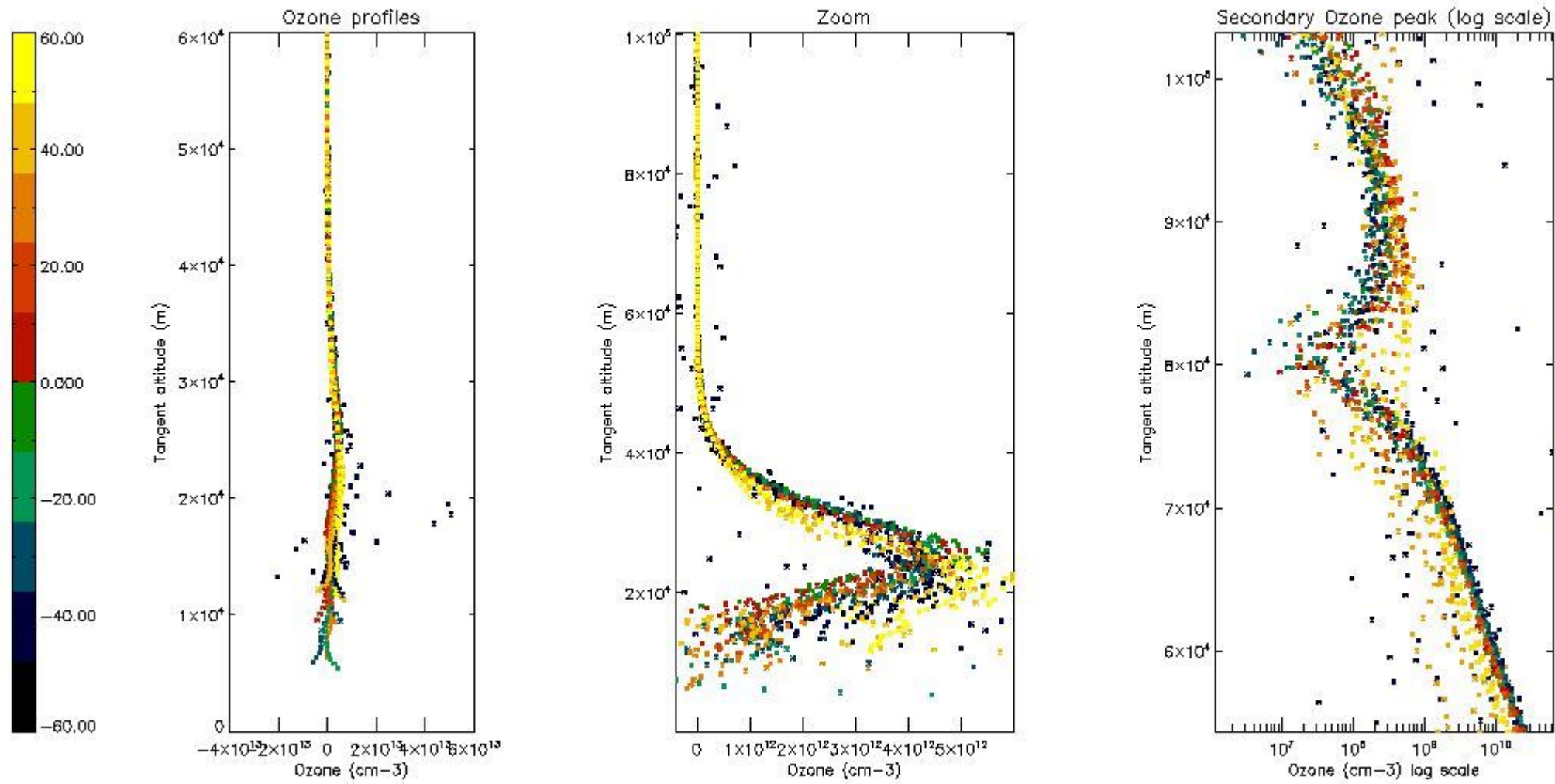
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	37
STD < 20	21

STD < 10	18
STD < 5	14

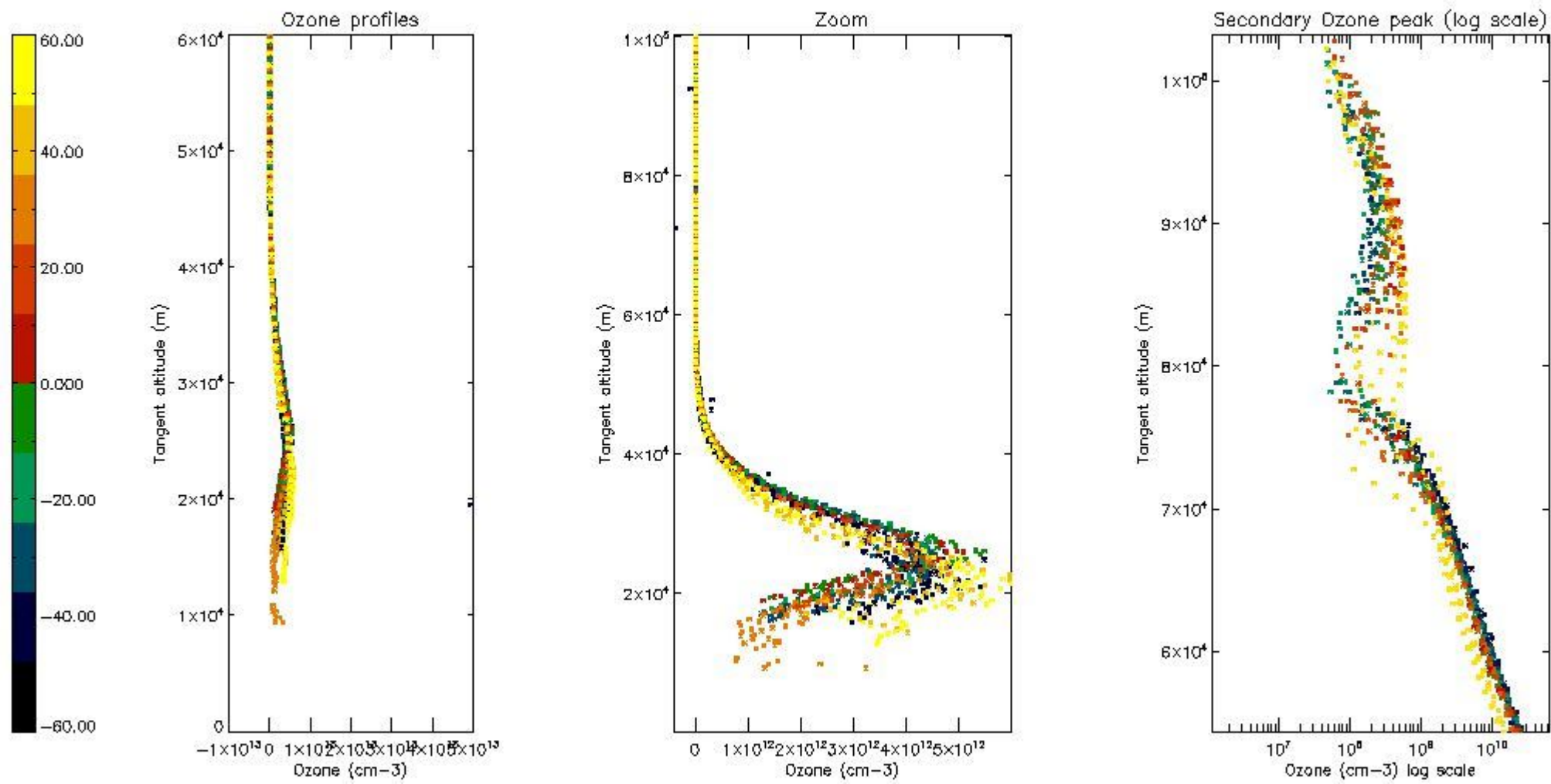
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



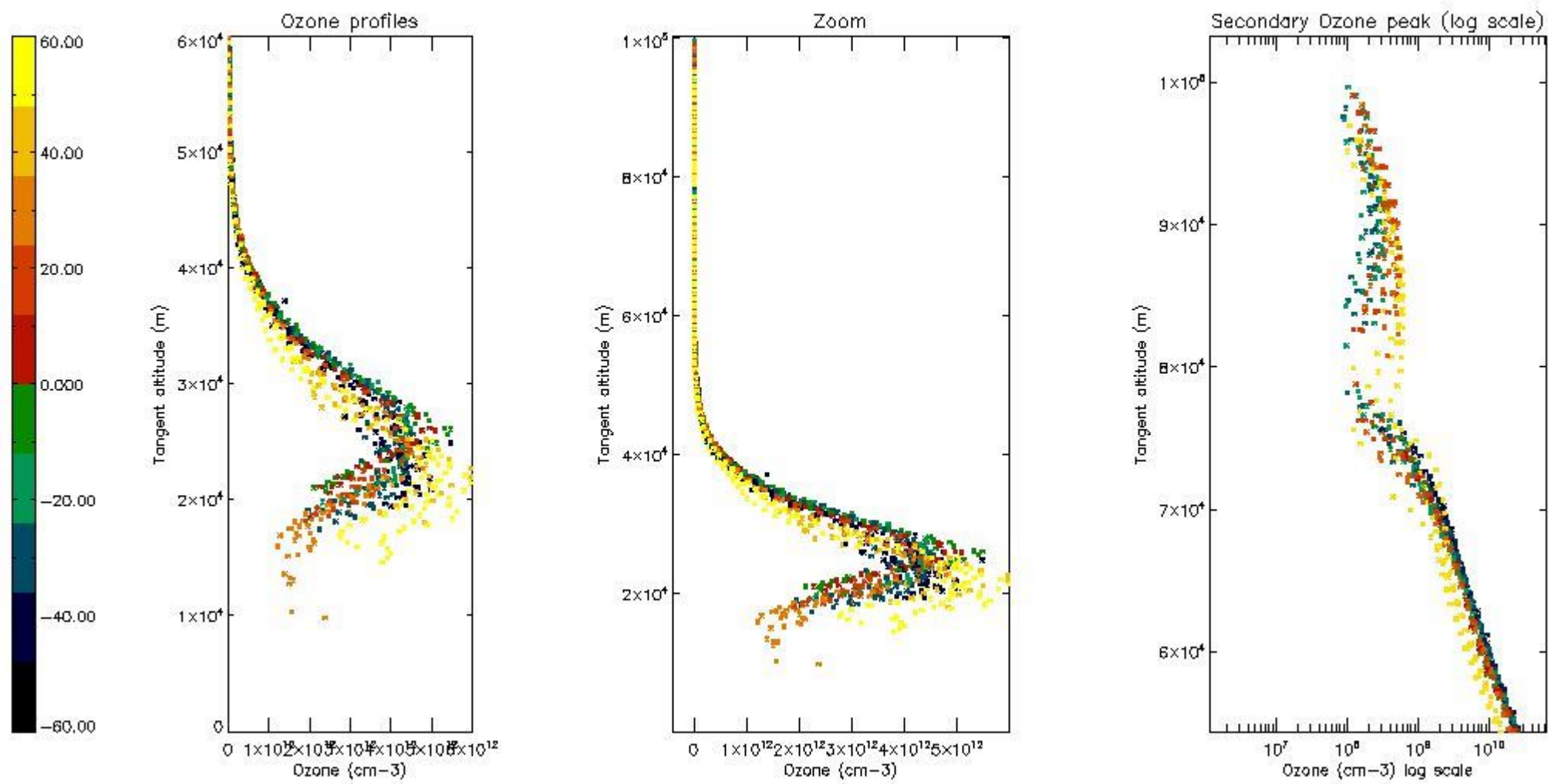
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



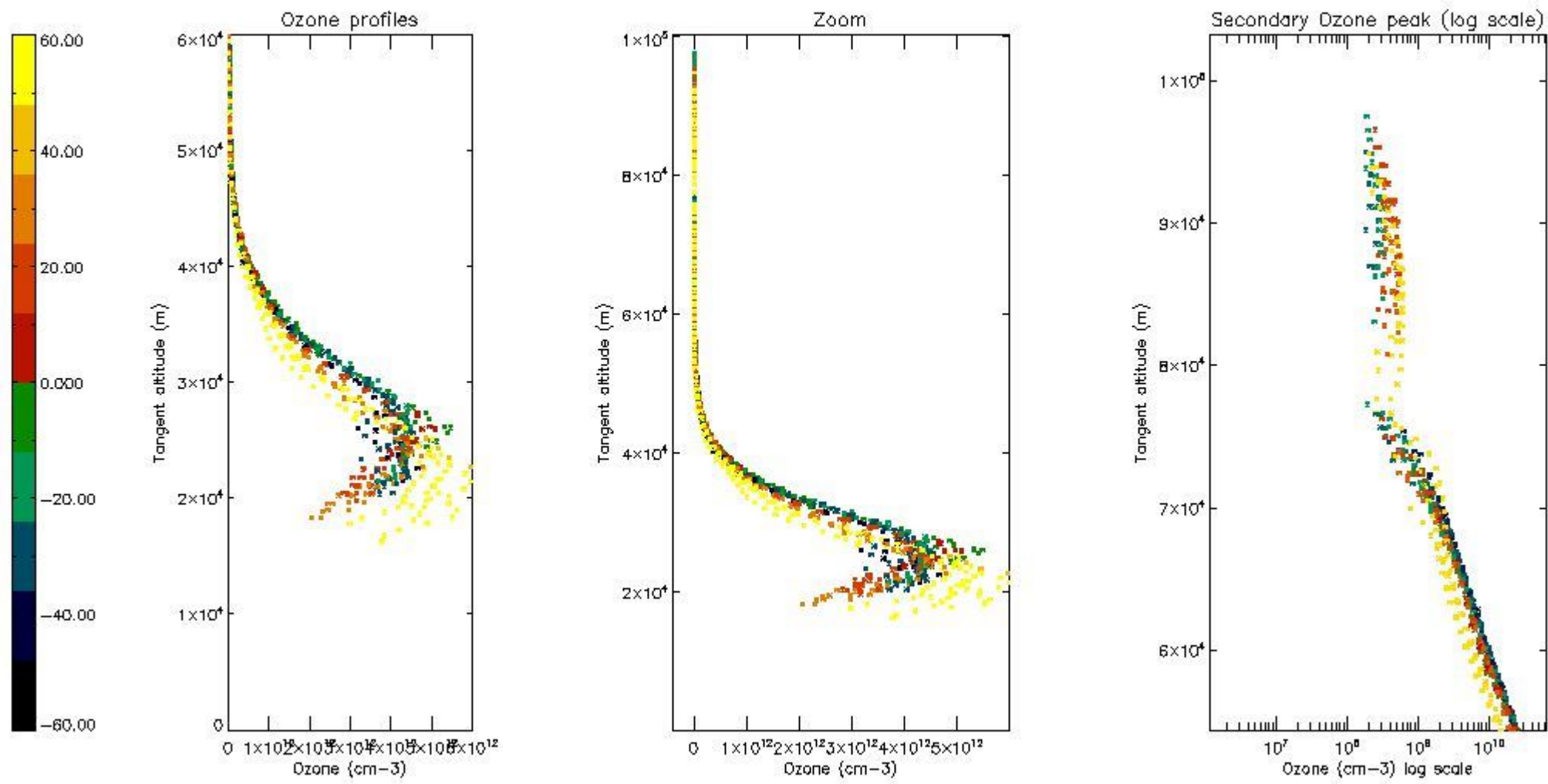
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



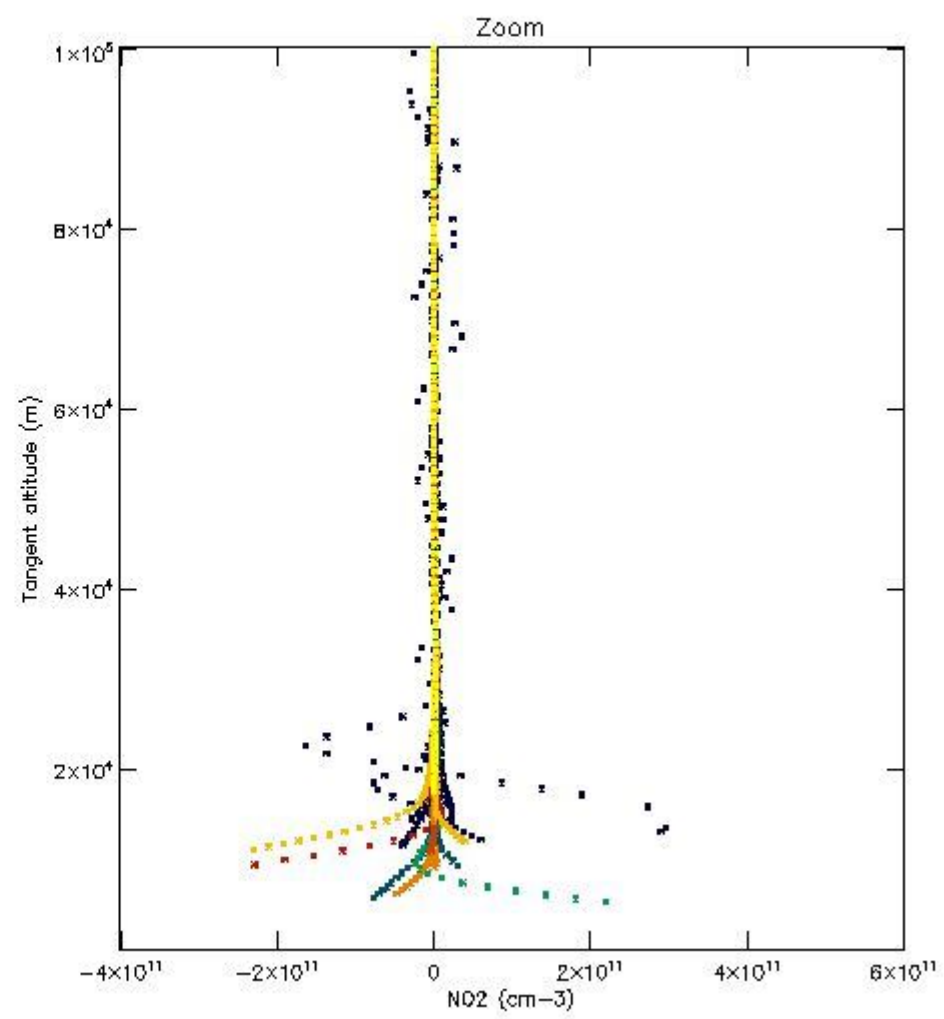
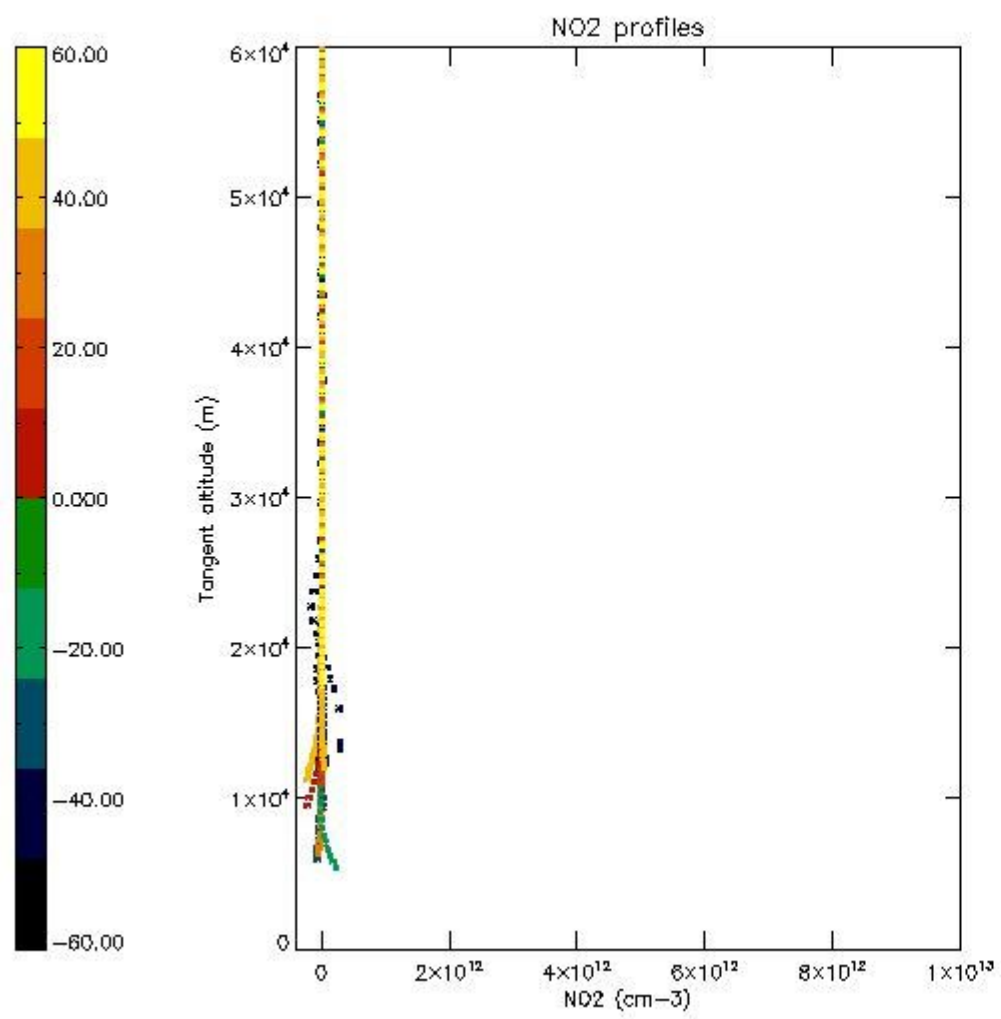
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



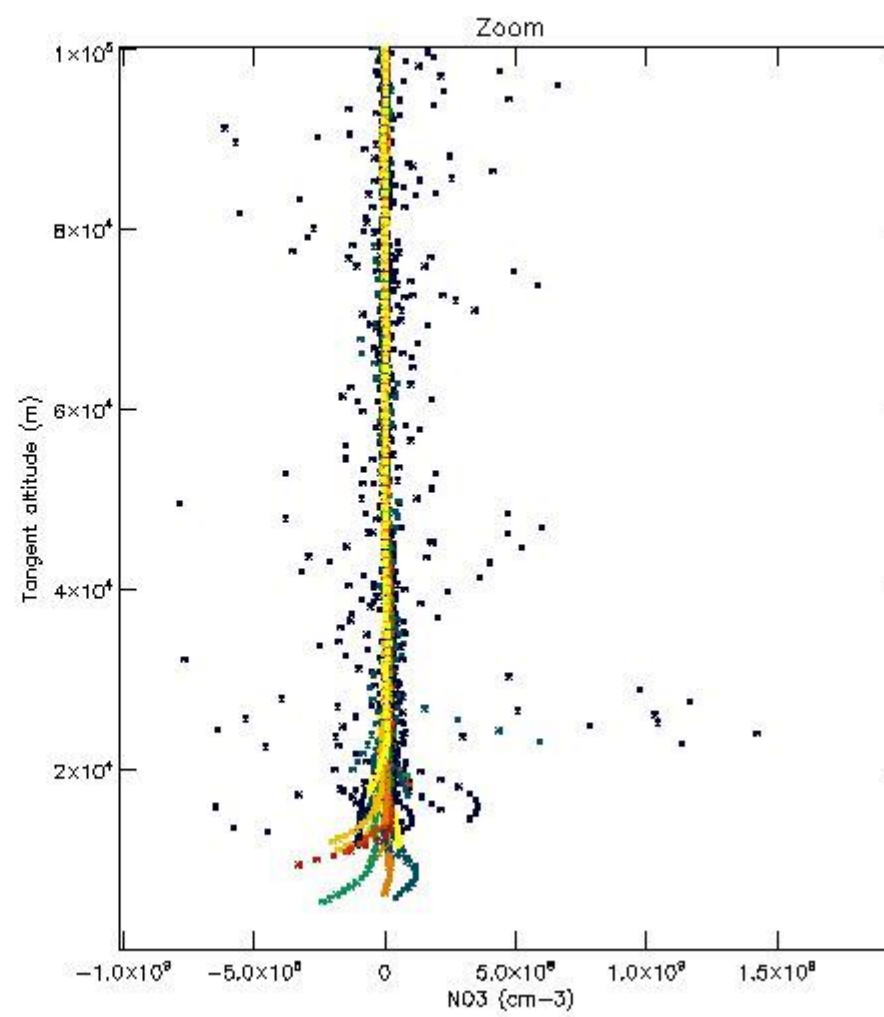
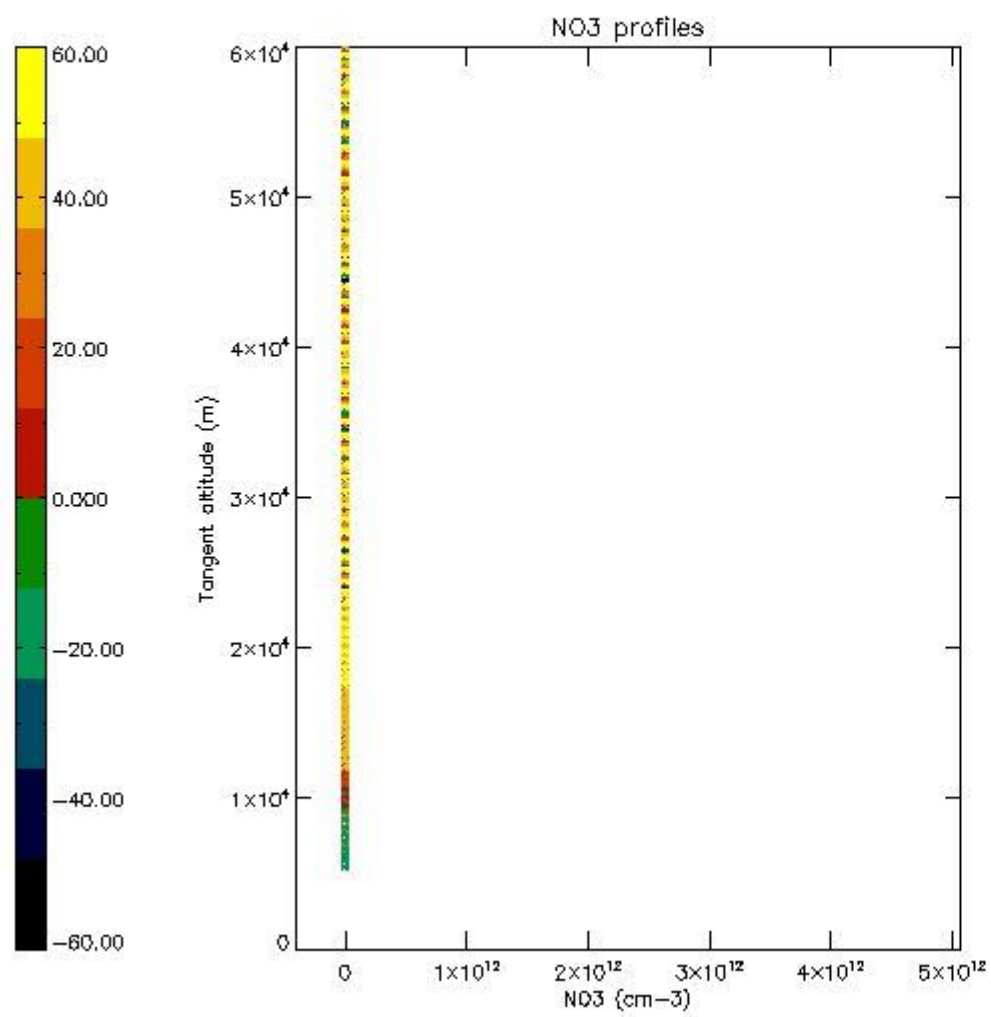
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



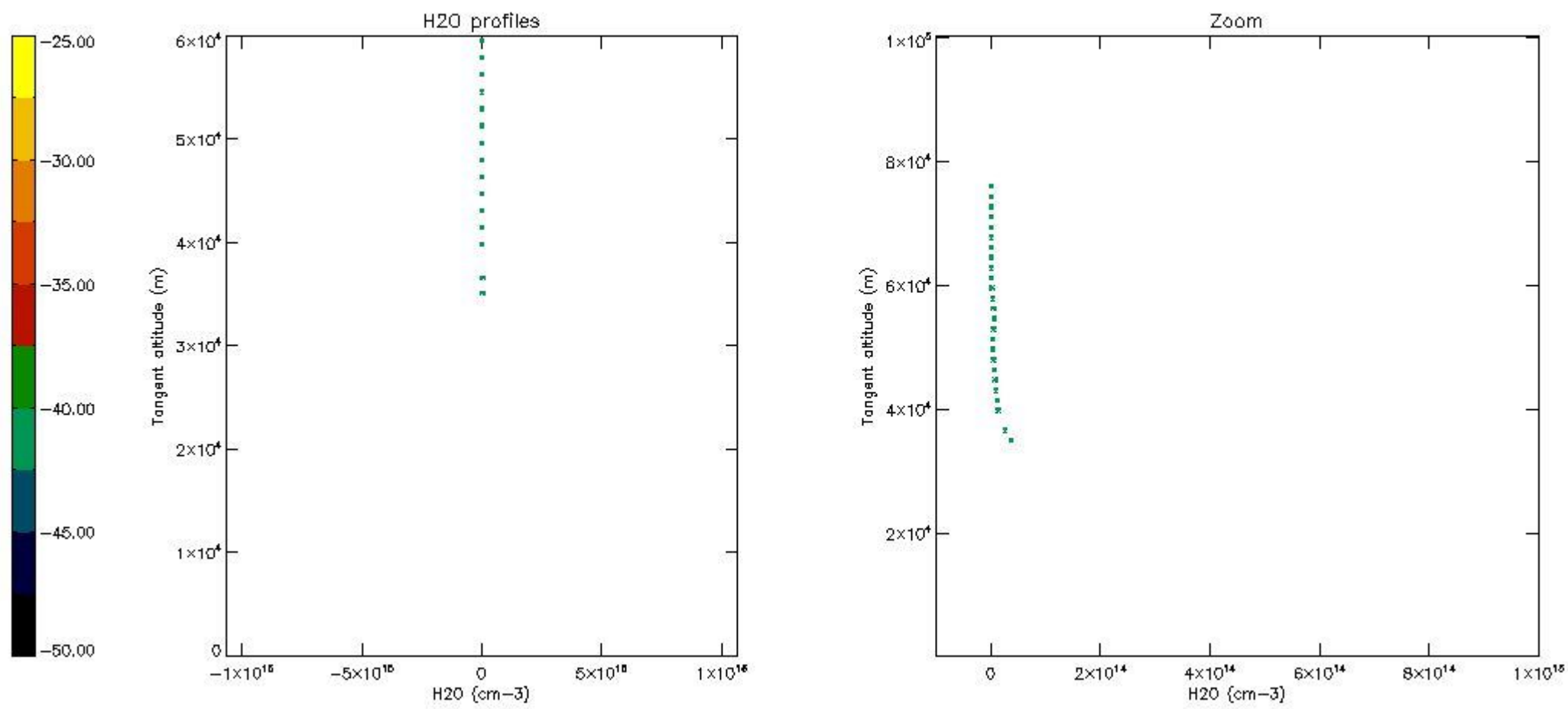
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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

The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	03-DEC-2003 00:00:27
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	03-DEC-2003 00:00:27
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	03-DEC-2003 00:00:27

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

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

[3. Level 2 Quality information per product](#)

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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	20APR2013 01:15:25
Data source version	GOMOS/6.01
Start time of products	03-12-2003 (03DEC2003 00:00:00)
Stop time of products	04-12-2003 (04DEC2003 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	126
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__2PRFIN20031203_000027_000000452022_00116_09188_9372.N1	03-DEC-2003 00:00:27	Bright	45.000	180	27Gam Boo	3.0400	8000.0	90	9188	No
2	GOM_NL__2PRFIN20031203_000325_000000512022_00116_09188_9373.N1	03-DEC-2003 00:03:25	Bright	51.000	83		2.3780	11000.	102	9188	No
3	GOM_NL__2PRFIN20031203_000600_000000362022_00116_09188_9374.N1	03-DEC-2003 00:06:00	Bright	35.500	3	16Alp Boo	-0.050000	4250.0	71	9188	No
4	GOM_NL__2PRFIN20031203_000952_000000772022_00116_09188_9375.N1	03-DEC-2003 00:09:52	Bright	76.500	96	68Del Leo	2.5600	9300.0	153	9188	No
5	GOM_NL__2PRFIN20031203_001403_000000462022_00116_09188_9376.N1	03-DEC-2003 00:14:03	Bright	46.000	121	29Gam Vir	2.7400	7200.0	92	9188	No
6	GOM_NL__2PRFIN20031203_001850_000000512022_00116_09188_9377.N1	03-DEC-2003 00:18:50	Twilight	51.000	163	7Del Crv	2.9450	11000.	102	9188	No
7	GOM_NL__2PRFIN20031203_002027_000000502022_00116_09188_9378.N1	03-DEC-2003 00:20:27	Dark	49.500	106	9Bet Crv	2.6480	5600.0	99	9188	No
8	GOM_NL__2PRFIN20031203_002220_000000432022_00116_09188_9379.N1	03-DEC-2003 00:22:20	Dark	42.500	123	1ot Cen	2.7500	10200.	85	9188	No
9	GOM_NL__2PRFIN20031203_002426_000000402022_00116_09188_9380.N1	03-DEC-2003 00:24:26	Dark	40.000	95	Zet Cen	2.5450	26000.	80	9188	No
10	GOM_NL__2PRFIN20031203_002619_000000372022_00116_09188_9381.N1	03-DEC-2003 00:26:19	Dark	37.000	77	Eps Cen	2.3030	28000.	74	9188	No
11	GOM_NL__2PRFIN20031203_002755_000000442022_00116_09188_9382.N1	03-DEC-2003 00:27:55	Dark	44.000	10	Bet Cen	0.61000	28000.	88	9188	No
12	GOM_NL__2PRFIN20031203_002956_000000442022_00117_09189_9348.N1	03-DEC-2003 00:29:56	Dark	43.500	12	Alp1Cru	0.77500	30000.	87	9189	No
13	GOM_NL__2PRFIN20031203_003242_000000402022_00117_09189_9349.N1	03-DEC-2003 00:32:42	Dark	40.000	124	The Car	2.7640	30000.	80	9189	No
14	GOM_NL__2PRFIN20031203_003931_000000512022_00117_09189_9350.N1	03-DEC-2003 00:39:31	Dark	51.000	34	Gam2Vel	1.7930	23000.	102	9189	No
15	GOM_NL__2PRFIN20031203_004242_000000542022_00117_09189_9351.N1	03-DEC-2003 00:42:42	Dark	54.000	2	Alp Car	-0.73600	7000.0	108	9189	No
16	GOM_NL__2PRFIN20031203_004444_000000632022_00117_09189_9352.N1	03-DEC-2003 00:44:44	Dark	63.000	117	Pi Pup	2.7060	3800.0	126	9189	No
17	GOM_NL__2PRFIN20031203_004712_000000682022_00117_09189_9353.N1	03-DEC-2003 00:47:12	Dark	67.500	88	31Eta CMa	2.4480	20000.	135	9189	No
18	GOM_NL__2PRFIN20031203_004911_000000742022_00117_09189_9354.N1	03-DEC-2003 00:49:11	Straylight	73.500	37	25Del CMa	1.8300	5900.0	147	9189	No
19	GOM_NL__2PRFIN20031203_005440_000000902022_00117_09189_9355.N1	03-DEC-2003 00:54:40	Straylight	90.000	1	9Alp CMa	-1.4400	11000.	180	9189	No
20	GOM_NL__2PRFIN20031203_005816_000000602022_00117_09189_9356.N1	03-DEC-2003 00:58:16	Straylight	59.500	7	19Bet Ori	0.10000	14000.	119	9189	No
21	GOM_NL__2PRFIN20031203_010112_000000642022_00117_09189_9357.N1	03-DEC-2003 01:01:12	Twilight	63.500	30	46Eps Ori	1.6940	30000.	127	9189	No
22	GOM_NL__2PRFIN20031203_010352_000000612022_00117_09189_9358.N1	03-DEC-2003 01:03:52	Twilight	61.000	27	24Gam Ori	1.6360	26000.	122	9189	No
23	GOM_NL__2PRFIN20031203_010611_000000622022_00117_09189_9359.N1	03-DEC-2003 01:06:11	Bright	62.000	13	87Alp Tau	0.86700	3800.0	124	9189	No
24	GOM_NL__2PRFIN20031203_010751_000000422022_00117_09189_9360.N1	03-DEC-2003 01:07:51	Bright	42.000	146	25Eta Tau	2.8730	15200.	84	9189	No
25	GOM_NL__2PRFIN20031203_011011_000000402022_00117_09189_9361.N1	03-DEC-2003 01:10:11	Bright	40.000	150	44Zet Per	2.8900	28000.	80	9189	No
26	GOM_NL__2PRFIN20031203_011228_000000402022_00117_09189_9362.N1	03-DEC-2003 01:12:28	Bright	40.000	79	26Bet Per	2.3100	13100.	80	9189	No
27	GOM_NL__2PRFIN20031203_011439_000000392022_00117_09189_9363.N1	03-DEC-2003 01:14:39	Bright	38.500	175	39Del Per	3.0100	19400.	77	9189	No
28	GOM_NL__2PRFIN20031203_011600_000000412022_00117_09189_9364.N1	03-DEC-2003 01:16:00	Bright	40.500	160	23Gam Per	2.9300	4700.0	81	9189	No
29	GOM_NL__2PRFIN20031203_011828_000000382022_00117_09189_9365.N1	03-DEC-2003 01:18:28	Bright	38.000	110	37Del Cas	2.6780	8900.0	76	9189	No
30	GOM_NL__2PRFIN20031203_012605_000000372022_00117_09189_9366.N1	03-DEC-2003 01:26:05	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	9189	No
31	GOM_NL__2PRFIN20031203_013048_000000412022_00117_09189_9367.N1	03-DEC-2003 01:30:48	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	9189	No
32	GOM_NL__2PRFIN20031203_013240_000000452022_00117_09189_9368.N1	03-DEC-2003 01:32:40	Bright	45.000	36	50Alp UMa	1.8000	6300.0	90	9189	No
33	GOM_NL__2PRFIN20031203_013416_000000682022_00117_09189_9369.N1	03-DEC-2003 01:34:16	Bright	68.000	82	48Bet UMa	2.3650	10600.	136	9189	No
34	GOM_NL__2PRFIN20031203_013559_000000422022_00117_09189_9370.N1	03-DEC-2003 01:35:59	Bright	41.500	32	77Eps UMa	1.7630	11000.	83	9189	No
35	GOM_NL__2PRFIN20031203_013806_000000402022_00117_09189_9371.N1	03-DEC-2003 01:38:06	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	9189	No
36	GOM_NL__2PRFIN20031203_014103_000000352022_00117_09189_9372.N1	03-DEC-2003 01:41:03	Bright	35.000	180	27Gam Boo	3.0400	8000.0	70	9189	No
37	GOM_NL__2PRFIN20031203_014403_000000382022_00117_09189_9373.N1	03-DEC-2003 01:44:03	Bright	37.500	83		2.3780	11000.	75	9189	No
38	GOM_NL__2PRFIN20031203_014636_000000362022_00117_09189_9374.N1	03-DEC-2003 01:46:36	Bright	36.000	3	16Alp Boo	-0.050000	4250.0	72	9189	No
39	GOM_NL__2PRFIN20031203_015029_000000772022_00117_09189_9375.N1	03-DEC-2003 01:50:29	Bright	76.500	96	68Del Leo	2.5600	9300.0	153	9189	No
40	GOM_NL__2PRFIN20031203_015439_000000482022_00117_09189_9376.N1	03-DEC-2003 01:54:39	Bright	48.000	121	29Gam Vir	2.7400	7200.0	96	9189	No
41	GOM_NL__2PRFIN20031203_020103_000000522022_00117_09189_9377.N1	03-DEC-2003 02:01:03	Dark	51.500	106	9Bet Crv	2.6480	5600.0	103	9189	No
42	GOM_NL__2PRFIN20031203_020256_000000432022_00117_09189_9378.N1	03-DEC-2003 02:02:56	Dark	43.000	123	1ot Cen	2.7500	10200.	86	9189	No

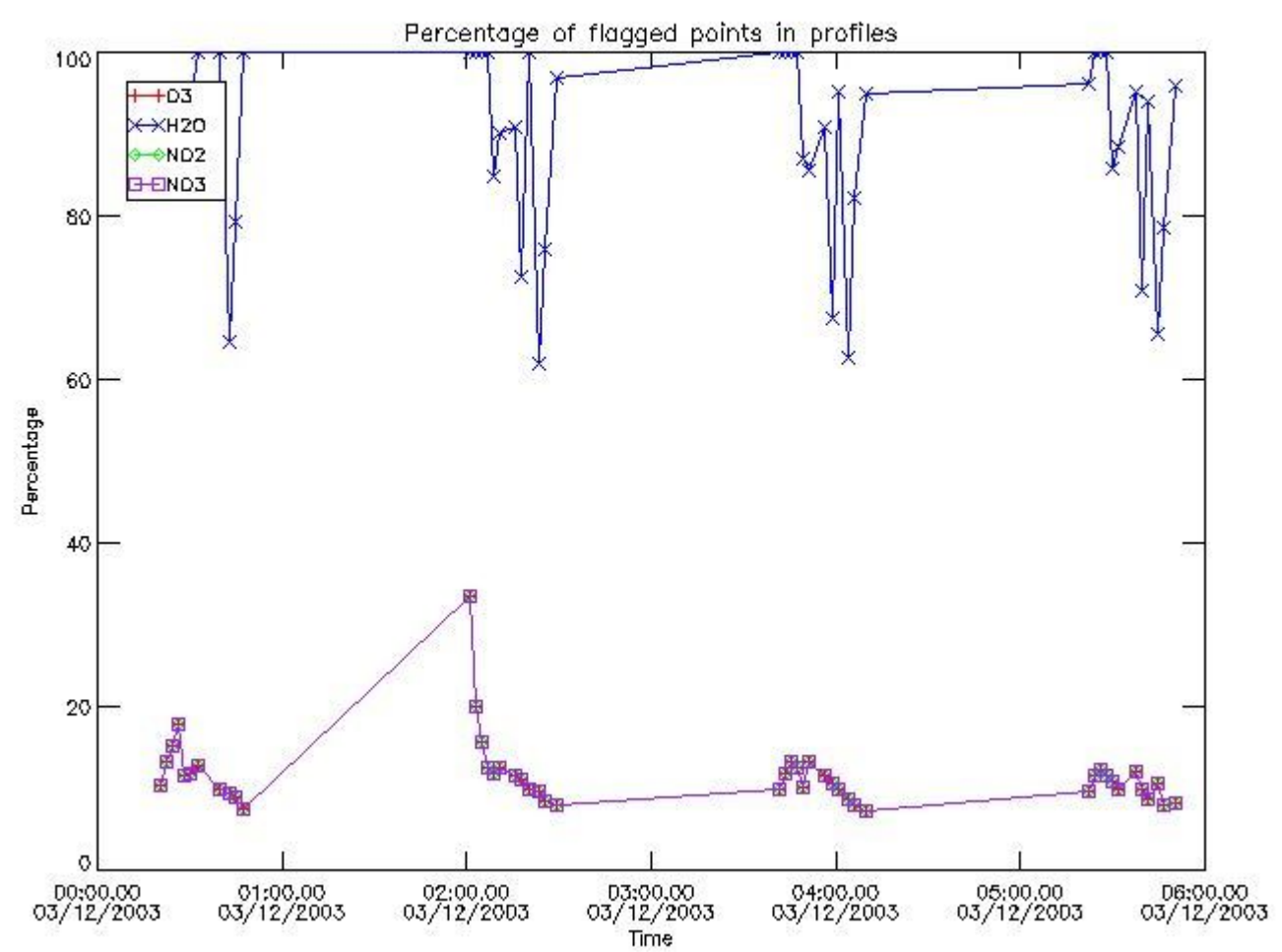
43	GOM_NL__2PRFIN20031203_020504_000000392022_00117_09189_9379.N1	03-DEC-2003 02:05:04	Dark	39.000	95	Zet Cen	2.5450	26000.	78	9189	No
44	GOM_NL__2PRFIN20031203_020652_000000412022_00117_09189_9380.N1	03-DEC-2003 02:06:52	Dark	41.000	77	Eps Cen	2.3030	28000.	82	9189	No
45	GOM_NL__2PRFIN20031203_020831_000000432022_00117_09189_9381.N1	03-DEC-2003 02:08:31	Dark	43.000	10	Bet Cen	0.61000	28000.	86	9189	No
46	GOM_NL__2PRFIN20031203_021031_000000412022_00118_09190_9348.N1	03-DEC-2003 02:10:31	Dark	40.500	12	Alp1Cru	0.77500	30000.	81	9190	No
47	GOM_NL__2PRFIN20031203_021601_000000442022_00118_09190_9349.N1	03-DEC-2003 02:16:01	Dark	44.000	29	Bet Car	1.6720	10200.	88	9190	No
48	GOM_NL__2PRFIN20031203_021801_000000462022_00118_09190_9350.N1	03-DEC-2003 02:18:01	Dark	46.000	41	Eps Car	1.8600	4100.0	92	9190	No
49	GOM_NL__2PRFIN20031203_022008_000000512022_00118_09190_9351.N1	03-DEC-2003 02:20:08	Dark	51.000	34	Gam2Vel	1.7930	23000.	102	9190	No
50	GOM_NL__2PRFIN20031203_022320_000000532022_00118_09190_9352.N1	03-DEC-2003 02:23:20	Dark	53.000	2	Alp Car	-0.73600	7000.0	106	9190	No
51	GOM_NL__2PRFIN20031203_022521_000000612022_00118_09190_9353.N1	03-DEC-2003 02:25:21	Dark	60.500	117	Pi Pup	2.7060	3800.0	121	9190	No
52	GOM_NL__2PRFIN20031203_022906_000000652022_00118_09190_9354.N1	03-DEC-2003 02:29:06	Dark	64.500	23	21Eps CMa	1.5020	26000.	129	9190	No
53	GOM_NL__2PRFIN20031203_023113_000000682022_00118_09190_9355.N1	03-DEC-2003 02:31:13	Straylight	67.500	179	24Omi2CMa	3.0320	24000.	135	9190	No
54	GOM_NL__2PRFIN20031203_023517_000000912022_00118_09190_9356.N1	03-DEC-2003 02:35:17	Straylight	90.500	1	9Alp CMa	-1.4400	11000.	181	9190	No
55	GOM_NL__2PRFIN20031203_023830_000000602022_00118_09190_9357.N1	03-DEC-2003 02:38:30	Straylight	59.500	56	53Kap Ori	2.0650	30000.	119	9190	No
56	GOM_NL__2PRFIN20031203_024148_000000612022_00118_09190_9358.N1	03-DEC-2003 02:41:48	Tw_i_and_stray	61.000	30	46Eps Ori	1.6940	30000.	122	9190	No
57	GOM_NL__2PRFIN20031203_024428_000000632022_00118_09190_9359.N1	03-DEC-2003 02:44:28	Tw_i_and_stray	62.500	27	24Gam Ori	1.6360	26000.	125	9190	No
58	GOM_NL__2PRFIN20031203_024648_000000562022_00118_09190_9360.N1	03-DEC-2003 02:46:48	Bright	56.000	13	87Alp Tau	0.86700	3800.0	112	9190	No
59	GOM_NL__2PRFIN20031203_024827_000000412022_00118_09190_9361.N1	03-DEC-2003 02:48:27	Bright	41.000	146	25Eta Tau	2.8730	15200.	82	9190	No
60	GOM_NL__2PRFIN20031203_025048_000000402022_00118_09190_9362.N1	03-DEC-2003 02:50:48	Bright	39.500	150	44Zet Per	2.8900	28000.	79	9190	No
61	GOM_NL__2PRFIN20031203_025306_000000392022_00118_09190_9363.N1	03-DEC-2003 02:53:06	Bright	38.500	79	26Bet Per	2.3100	13100.	77	9190	No
62	GOM_NL__2PRFIN20031203_025516_000000392022_00118_09190_9364.N1	03-DEC-2003 02:55:16	Bright	38.500	175	39Del Per	3.0100	19400.	77	9190	No
63	GOM_NL__2PRFIN20031203_025639_000000382022_00118_09190_9365.N1	03-DEC-2003 02:56:39	Bright	37.500	160	23Gam Per	2.9300	4700.0	75	9190	No
64	GOM_NL__2PRFIN20031203_025905_000000372022_00118_09190_9366.N1	03-DEC-2003 02:59:05	Bright	37.000	110	37Del Cas	2.6780	8900.0	74	9190	No
65	GOM_NL__2PRFIN20031203_030643_000000382022_00118_09190_9367.N1	03-DEC-2003 03:06:43	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	9190	No
66	GOM_NL__2PRFIN20031203_031122_000000422022_00118_09190_9368.N1	03-DEC-2003 03:11:22	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	9190	No
67	GOM_NL__2PRFIN20031203_031316_000000462022_00118_09190_9369.N1	03-DEC-2003 03:13:16	Bright	45.500	36	50Alp UMa	1.8000	6300.0	91	9190	No
68	GOM_NL__2PRFIN20031203_031451_000000482022_00118_09190_9370.N1	03-DEC-2003 03:14:51	Bright	48.000	82	48Bet UMa	2.3650	10600.	96	9190	No
69	GOM_NL__2PRFIN20031203_031635_000000422022_00118_09190_9371.N1	03-DEC-2003 03:16:35	Bright	41.500	32	77Eps UMa	1.7630	11000.	83	9190	No
70	GOM_NL__2PRFIN20031203_031842_000000542022_00118_09190_9372.N1	03-DEC-2003 03:18:42	Bright	54.000	39	85Eta UMa	1.8540	24000.	108	9190	No
71	GOM_NL__2PRFIN20031203_032138_000000522022_00118_09190_9373.N1	03-DEC-2003 03:21:38	Bright	52.000	180	27Gam Boo	3.0400	8000.0	104	9190	No
72	GOM_NL__2PRFIN20031203_032439_000000372022_00118_09190_9374.N1	03-DEC-2003 03:24:39	Bright	37.000	83		2.3780	11000.	74	9190	No
73	GOM_NL__2PRFIN20031203_032712_000000372022_00118_09190_9375.N1	03-DEC-2003 03:27:12	Bright	36.500	3	16Alp Boo	-0.050000	4250.0	73	9190	No
74	GOM_NL__2PRFIN20031203_033106_000000772022_00118_09190_9376.N1	03-DEC-2003 03:31:06	Bright	77.000	96	68Del Leo	2.5600	9300.0	154	9190	No
75	GOM_NL__2PRFIN20031203_033516_000000452022_00118_09190_9377.N1	03-DEC-2003 03:35:16	Bright	45.000	121	29Gam Vir	2.7400	7200.0	90	9190	No
76	GOM_NL__2PRFIN20031203_034003_000000502022_00118_09190_9378.N1	03-DEC-2003 03:40:03	Tw_i_and_stray	49.500	163	7Del Crv	2.9450	11000.	99	9190	No
77	GOM_NL__2PRFIN20031203_034140_000000512022_00118_09190_9379.N1	03-DEC-2003 03:41:40	Dark	51.000	106	9Bet Crv	2.6480	5600.0	102	9190	No
78	GOM_NL__2PRFIN20031203_034333_000000432022_00118_09190_9380.N1	03-DEC-2003 03:43:33	Dark	43.000	123	1ot Cen	2.7500	10200.	86	9190	No
79	GOM_NL__2PRFIN20031203_034540_000000422022_00118_09190_9381.N1	03-DEC-2003 03:45:40	Dark	42.000	95	Zet Cen	2.5450	26000.	84	9190	No
80	GOM_NL__2PRFIN20031203_034730_000000412022_00118_09190_9382.N1	03-DEC-2003 03:47:30	Dark	41.000	77	Eps Cen	2.3030	28000.	82	9190	No
81	GOM_NL__2PRFIN20031203_034907_000000502022_00118_09190_9383.N1	03-DEC-2003 03:49:07	Dark	50.000	10	Bet Cen	0.61000	28000.	100	9190	No
82	GOM_NL__2PRFIN20031203_035108_000000392022_00119_09191_9348.N1	03-DEC-2003 03:51:08	Dark	38.500	12	Alp1Cru	0.77500	30000.	77	9191	No
83	GOM_NL__2PRFIN20031203_035637_000000442022_00119_09191_9349.N1	03-DEC-2003 03:56:37	Dark	44.000	29	Bet Car	1.6720	10200.	88	9191	No
84	GOM_NL__2PRFIN20031203_035838_000000482022_00119_09191_9350.N1	03-DEC-2003 03:58:38	Dark	48.000	41	Eps Car	1.8600	4100.0	96	9191	No
85	GOM_NL__2PRFIN20031203_040045_000000522022_00119_09191_9351.N1	03-DEC-2003 04:00:45	Dark	51.500	34	Gam2Vel	1.7930	23000.	103	9191	No
86	GOM_NL__2PRFIN20031203_040355_000000582022_00119_09191_9352.N1	03-DEC-2003 04:03:55	Dark	58.000	2	Alp Car	-0.73600	7000.0	116	9191	No
87	GOM_NL__2PRFIN20031203_040557_000000652022_00119_09191_9353.N1	03-DEC-2003 04:05:57	Dark	64.500	117	Pi Pup	2.7060	3800.0	129	9191	No
88	GOM_NL__2PRFIN20031203_040942_000000702022_00119_09191_9354.N1	03-DEC-2003 04:09:42	Dark	69.500	23	21Eps CMa	1.5020	26000.	139	9191	No
89	GOM_NL__2PRFIN20031203_041149_000000712022_00119_09191_9355.N1	03-DEC-2003 04:11:49	Straylight	70.500	179	24Omi2CMa	3.0320	24000.	141	9191	No
90	GOM_NL__2PRFIN20031203_041552_000000932022_00119_09191_9356.N1	03-DEC-2003 04:15:52	Straylight	93.000	1	9Alp CMa	-1.4400	11000.	186	9191	No
91	GOM_NL__2PRFIN20031203_041905_000000642022_00119_09191_9357.N1	03-DEC-2003 04:19:05	Straylight	63.500	56	53Kap Ori	2.0650	30000.	127	9191	No
92	GOM_NL__2PRFIN20031203_042224_000000592022_00119_09191_9358.N1	03-DEC-2003 04:22:24	Tw_i_and_stray	59.000	30	46Eps Ori	1.6940	30000.	118	9191	No
93	GOM_NL__2PRFIN20031203_042503_000000602022_00119_09191_9359.N1	03-DEC-2003 04:25:03	Tw_i_and_stray	59.500	27	24Gam Ori	1.6360	26000.	119	9191	No
94	GOM_NL__2PRFIN20031203_042723_000000602022_00119_09191_9360.N1	03-DEC-2003 04:27:23	Bright	59.500	13	87Alp Tau	0.86700	3800.0	119	9191	No
95	GOM_NL__2PRFIN20031203_042901_000000412022_00119_09191_9361.N1	03-DEC-2003 04:29:01	Bright	41.000	146	25Eta Tau	2.8730	15200.	82	9191	No
96	GOM_NL__2PRFIN20031203_043124_000000402022_00119_09191_9362.N1	03-DEC-2003 04:31:24	Bright	40.000	150	44Zet Per	2.8900	28000.	80	9191	No
97	GOM_NL__2PRFIN20031203_043341_000000392022_00119_09191_9363.N1	03-DEC-2003 04:33:41	Bright	39.000	79	26Bet Per	2.3100	13100.	78	9191	No
98	GOM_NL__2PRFIN20031203_043551_000000392022_00119_09191_9364.N1	03-DEC-2003 04:35:51	Bright	38.500	175	39Del Per	3.0100	19400.	77	9191	No
99	GOM_NL__2PRFIN20031203_043714_000000392022_00119_09191_9365.N1	03-DEC-2003 04:37:14	Bright	39.000	160	23Gam Per	2.9300	4700.0	78	9191	No
100	GOM_NL__2PRFIN20031203_043941_000000382022_00119_09191_9366.N1	03-DEC-2003 04:39:41	Bright	38.000	110	37Del Cas	2.6780	8900.0	76	9191	No
101	GOM_NL__2PRFIN20031203_044719_000000382022_00119_09191_9367.N1	03-DEC-2003 04:47:19	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	9191	No

102	GOM_NL__2PRFIN20031203_045158_000000432022_00119_09191_9368.N1	03-DEC-2003 04:51:58	Bright	43.000	60	7Bet UMi	2.0810	3950.0	86	9191	No
103	GOM_NL__2PRFIN20031203_045351_000000472022_00119_09191_9369.N1	03-DEC-2003 04:53:51	Bright	46.500	36	50Alp UMa	1.8000	6300.0	93	9191	No
104	GOM_NL__2PRFIN20031203_045527_000000482022_00119_09191_9370.N1	03-DEC-2003 04:55:27	Bright	47.500	82	48Bet UMa	2.3650	10600.	95	9191	No
105	GOM_NL__2PRFIN20031203_045710_000000422022_00119_09191_9371.N1	03-DEC-2003 04:57:10	Bright	42.000	32	77Eps UMa	1.7630	11000.	84	9191	No
106	GOM_NL__2PRFIN20031203_045918_000000542022_00119_09191_9372.N1	03-DEC-2003 04:59:18	Bright	54.000	39	85Eta UMa	1.8540	24000.	108	9191	No
107	GOM_NL__2PRFIN20031203_050214_000000372022_00119_09191_9373.N1	03-DEC-2003 05:02:14	Bright	37.000	180	27Gam Boo	3.0400	8000.0	74	9191	No
108	GOM_NL__2PRFIN20031203_050514_000000392022_00119_09191_9374.N1	03-DEC-2003 05:05:14	Bright	38.500	83		2.3780	11000.	77	9191	No
109	GOM_NL__2PRFIN20031203_050749_000000362022_00119_09191_9375.N1	03-DEC-2003 05:07:49	Bright	36.000	3	16Alp Boo	-0.050000	4250.0	72	9191	No
110	GOM_NL__2PRFIN20031203_051143_000000822022_00119_09191_9376.N1	03-DEC-2003 05:11:43	Bright	81.500	96	68Del Leo	2.5600	9300.0	163	9191	No
111	GOM_NL__2PRFIN20031203_051553_000000472022_00119_09191_9377.N1	03-DEC-2003 05:15:53	Bright	46.500	121	29Gam Vir	2.7400	7200.0	93	9191	No
112	GOM_NL__2PRFIN20031203_052038_000000502022_00119_09191_9378.N1	03-DEC-2003 05:20:38	Tw_i_and_stray	49.500	163	7Del Crv	2.9450	11000.	99	9191	No
113	GOM_NL__2PRFIN20031203_052215_000000542022_00119_09191_9379.N1	03-DEC-2003 05:22:15	Dark	53.500	106	9Bet Crv	2.6480	5600.0	107	9191	No
114	GOM_NL__2PRFIN20031203_052409_000000442022_00119_09191_9380.N1	03-DEC-2003 05:24:09	Dark	44.000	123	1ot Cen	2.7500	10200.	88	9191	No
115	GOM_NL__2PRFIN20031203_052616_000000422022_00119_09191_9381.N1	03-DEC-2003 05:26:16	Dark	41.500	95	Zet Cen	2.5450	26000.	83	9191	No
116	GOM_NL__2PRFIN20031203_052805_000000452022_00119_09191_9382.N1	03-DEC-2003 05:28:05	Dark	44.500	77	Eps Cen	2.3030	28000.	89	9191	No
117	GOM_NL__2PRFIN20031203_052943_000000472022_00119_09191_9383.N1	03-DEC-2003 05:29:43	Dark	46.500	10	Bet Cen	0.61000	28000.	93	9191	No
118	GOM_NL__2PRFIN20031203_053144_000000522022_00120_09192_9348.N1	03-DEC-2003 05:31:44	Dark	52.000	12	Alp1Cru	0.77500	30000.	104	9192	No
119	GOM_NL__2PRFIN20031203_053715_000000422022_00120_09192_9349.N1	03-DEC-2003 05:37:15	Dark	42.000	29	Bet Car	1.6720	10200.	84	9192	No
120	GOM_NL__2PRFIN20031203_053915_000000522022_00120_09192_9350.N1	03-DEC-2003 05:39:15	Dark	52.000	41	Eps Car	1.8600	4100.0	104	9192	No
121	GOM_NL__2PRFIN20031203_054121_000000582022_00120_09192_9351.N1	03-DEC-2003 05:41:21	Dark	58.000	34	Gam2Vel	1.7930	23000.	116	9192	No
122	GOM_NL__2PRFIN20031203_054433_000000492022_00120_09192_9352.N1	03-DEC-2003 05:44:33	Dark	48.500	2	Alp Car	-0.73600	7000.0	97	9192	No
123	GOM_NL__2PRFIN20031203_054634_000000642022_00120_09192_9353.N1	03-DEC-2003 05:46:34	Dark	63.500	117	Pi Pup	2.7060	3800.0	127	9192	No
124	GOM_NL__2PRFIN20031203_055018_000000632022_00120_09192_9354.N1	03-DEC-2003 05:50:18	Dark	62.500	23	21Eps CMa	1.5020	26000.	125	9192	No
125	GOM_NL__2PRFIN20031203_055226_000000692022_00120_09192_9355.N1	03-DEC-2003 05:52:26	Straylight	68.500	179	24Omi2CMa	3.0320	24000.	137	9192	No
126	GOM_NL__2PRFIN20031203_055628_000000922022_00120_09192_9356.N1	03-DEC-2003 05:56:28	Straylight	91.500	1	9Alp CMa	-1.4400	11000.	183	9192	No

3. Quality information per product

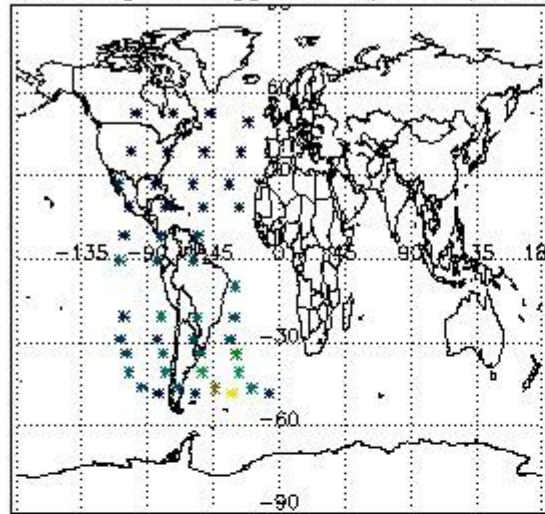
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

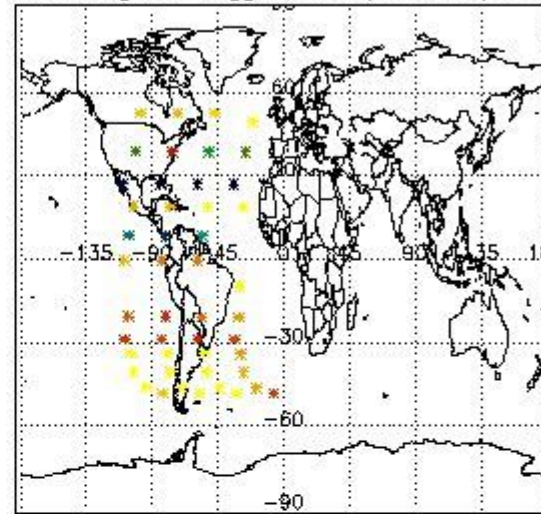


3.2 Plot quality information per product (world map)

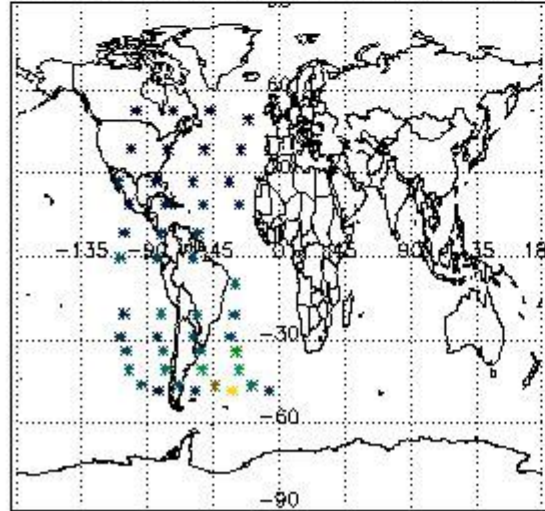
Percentage of flagged data per O3 profile



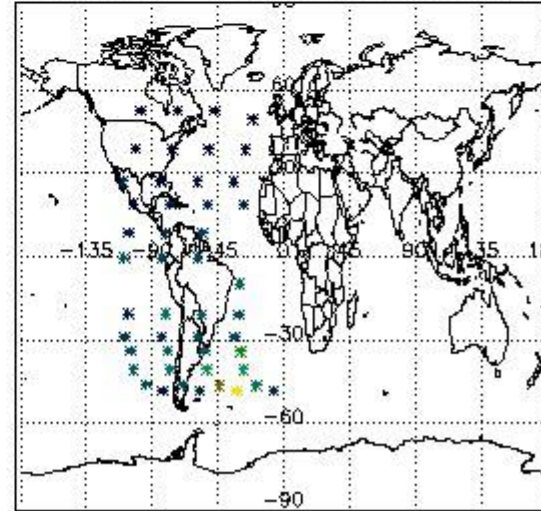
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

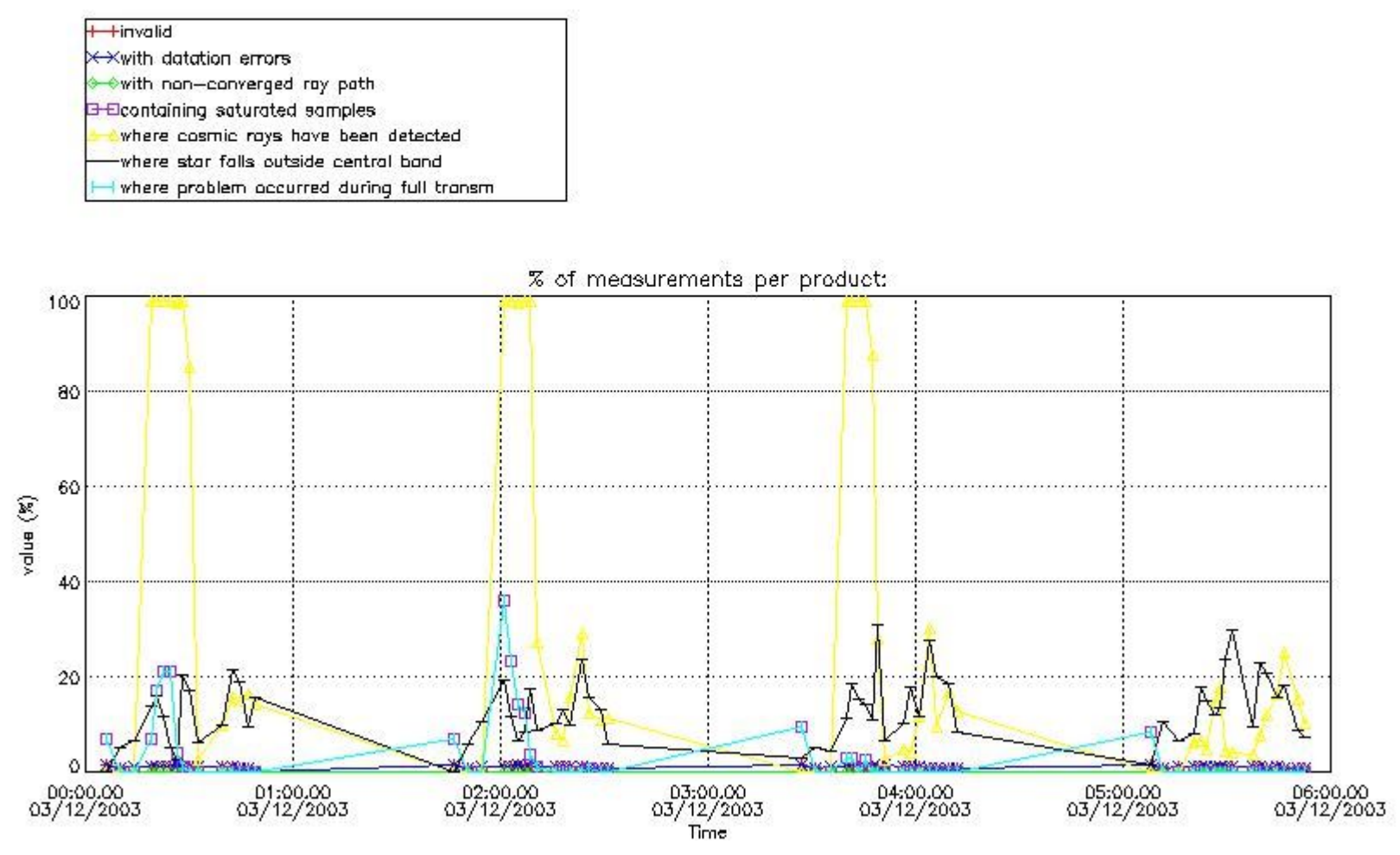


4. Level 1 quality information per product

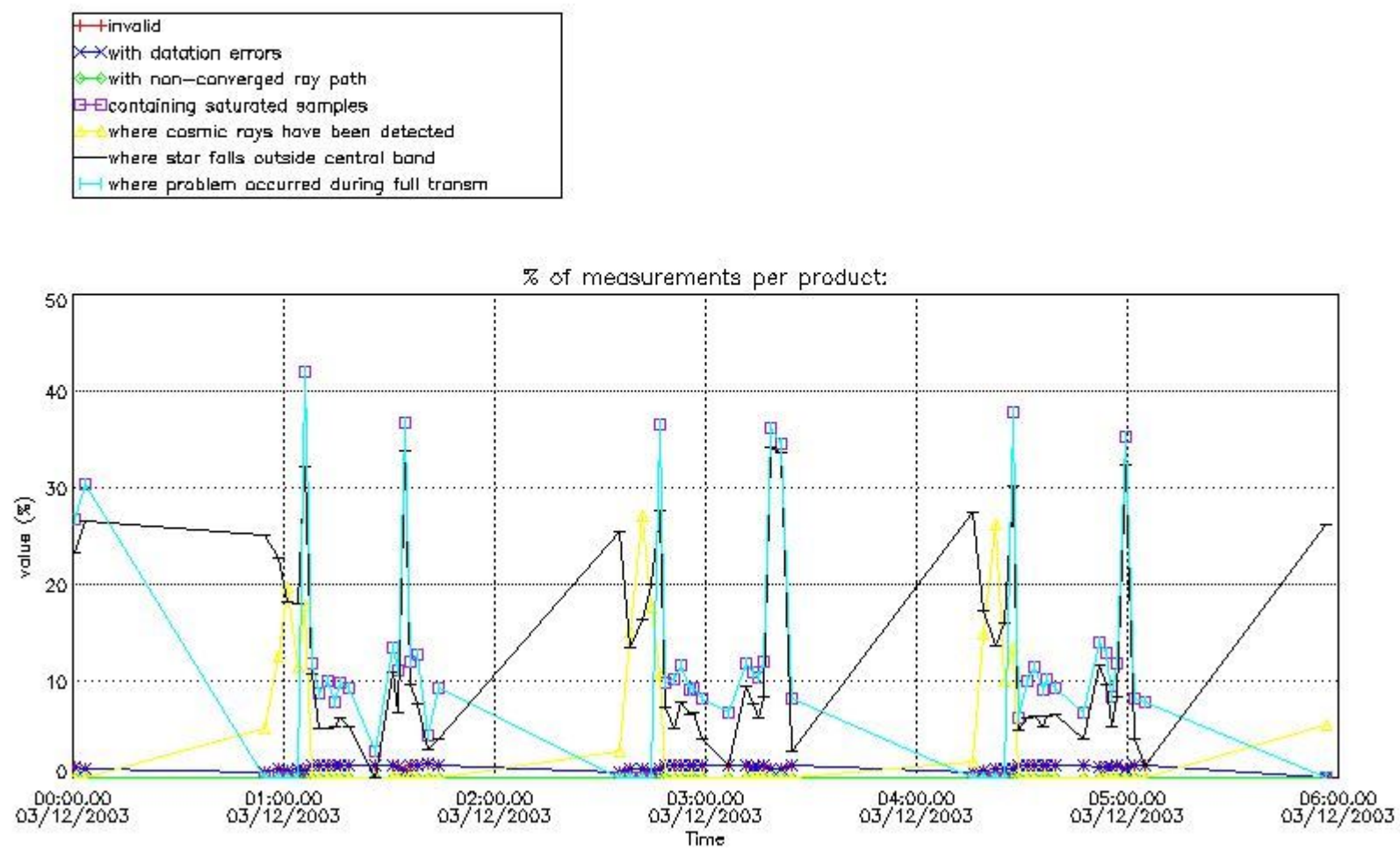
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

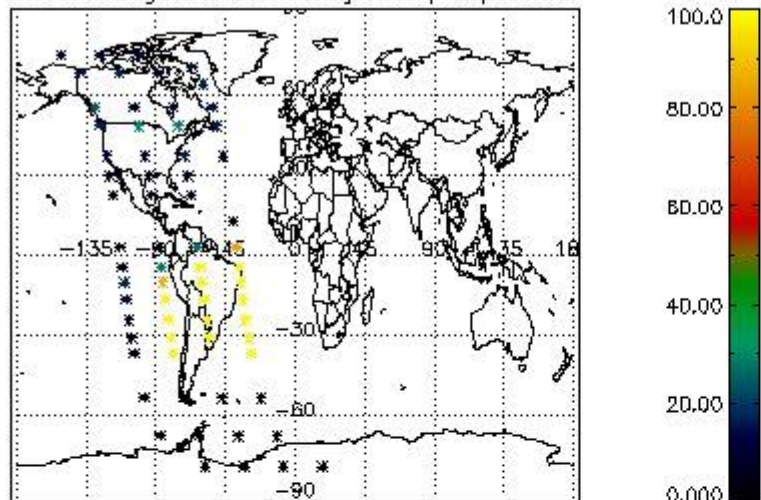


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

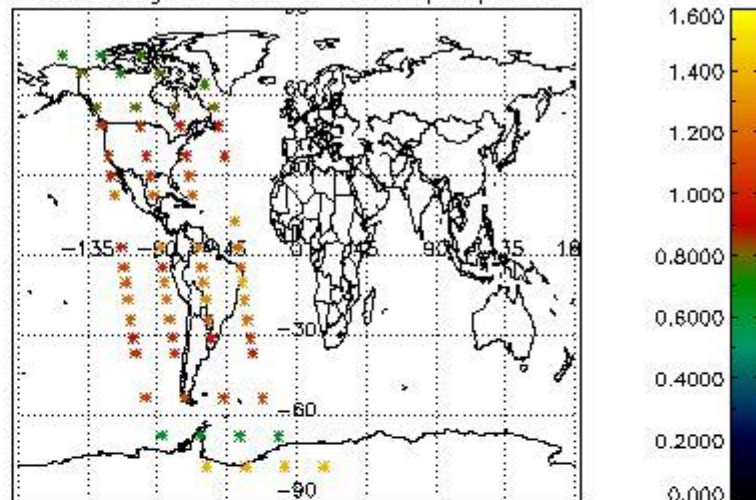


4.2 Plot quality information per product coming from level 1b processing (world map)
 4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes

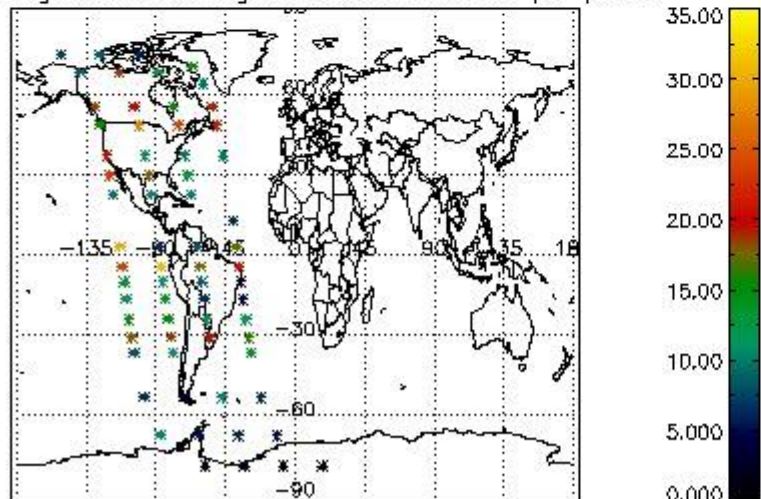
Percentage of cosmic ray hits per profile



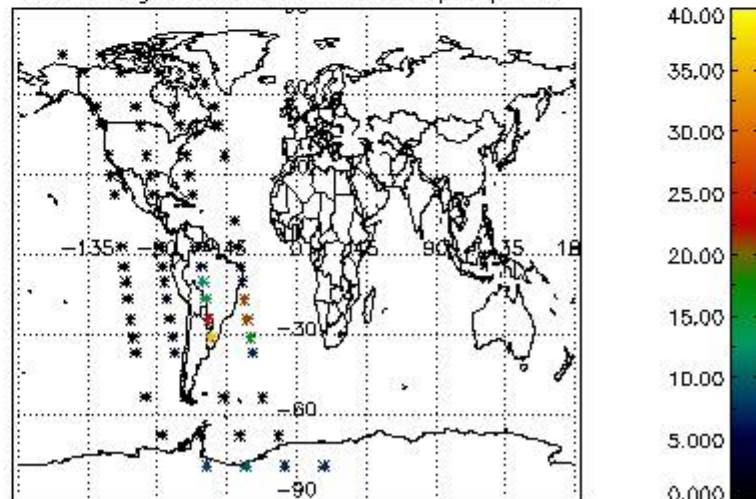
Percentage of datation errors per profile



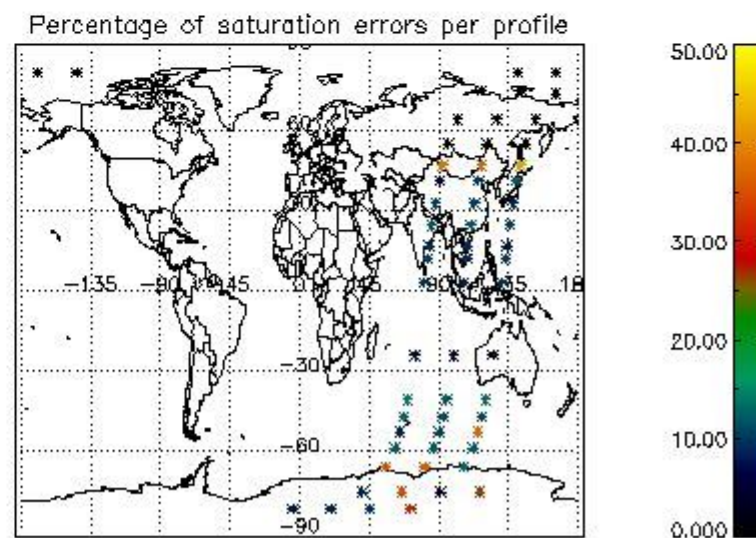
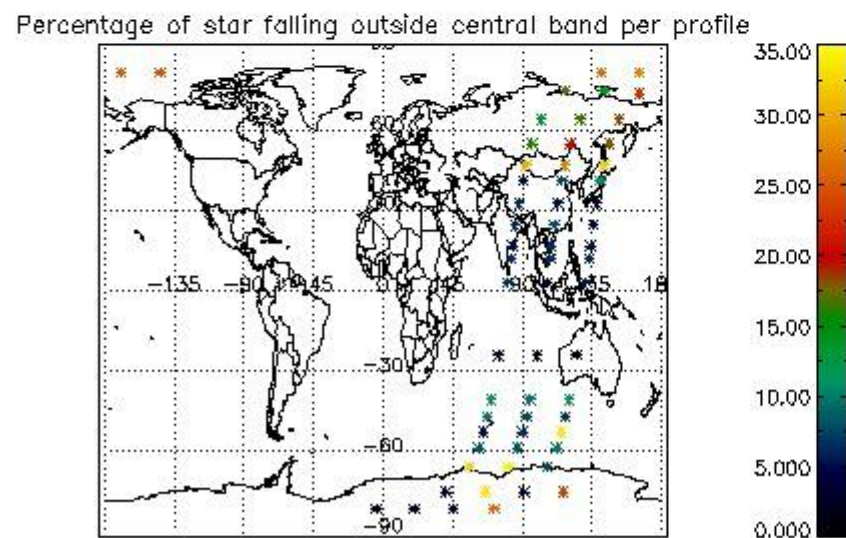
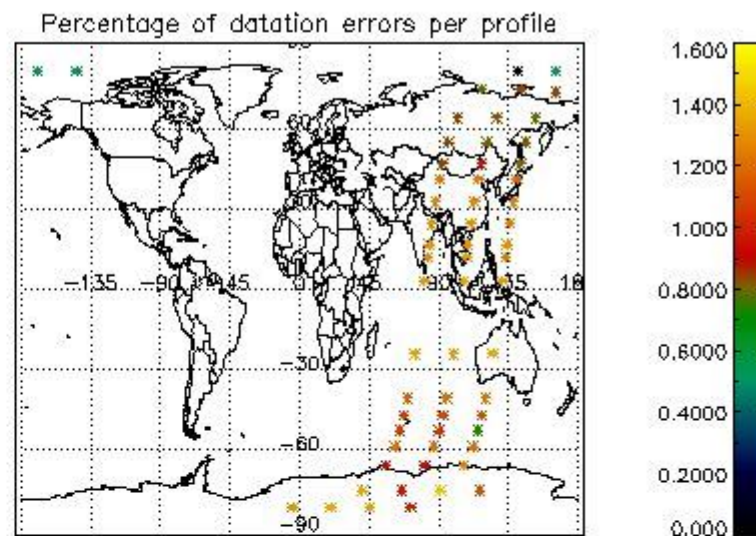
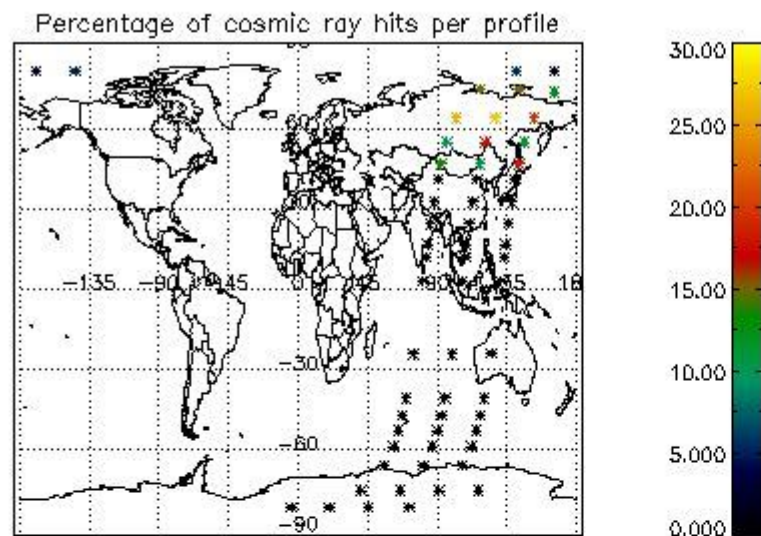
Percentage of star falling outside central band per profile



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

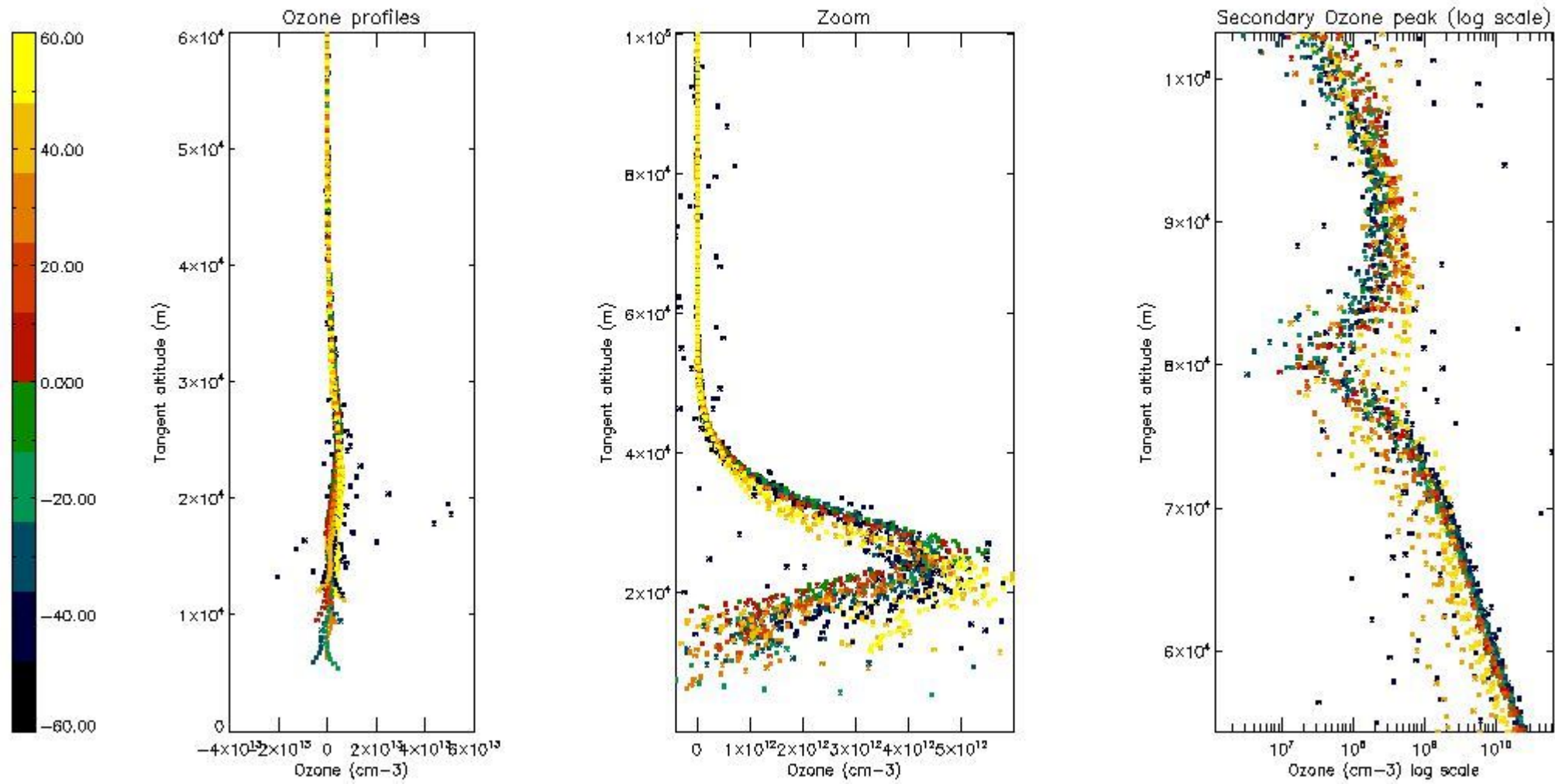
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	37
STD < 20	21

STD < 10	18
STD < 5	14

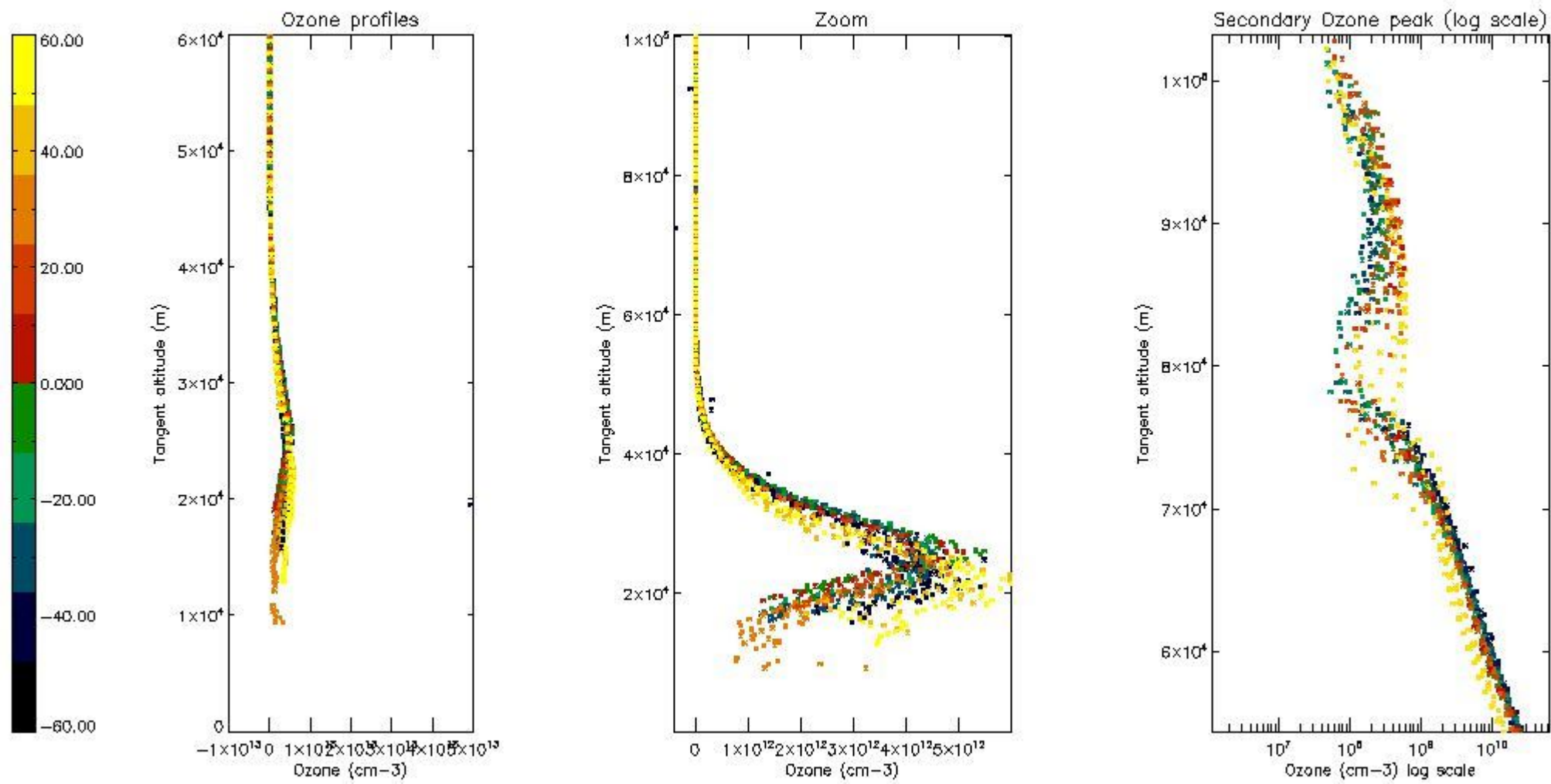
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



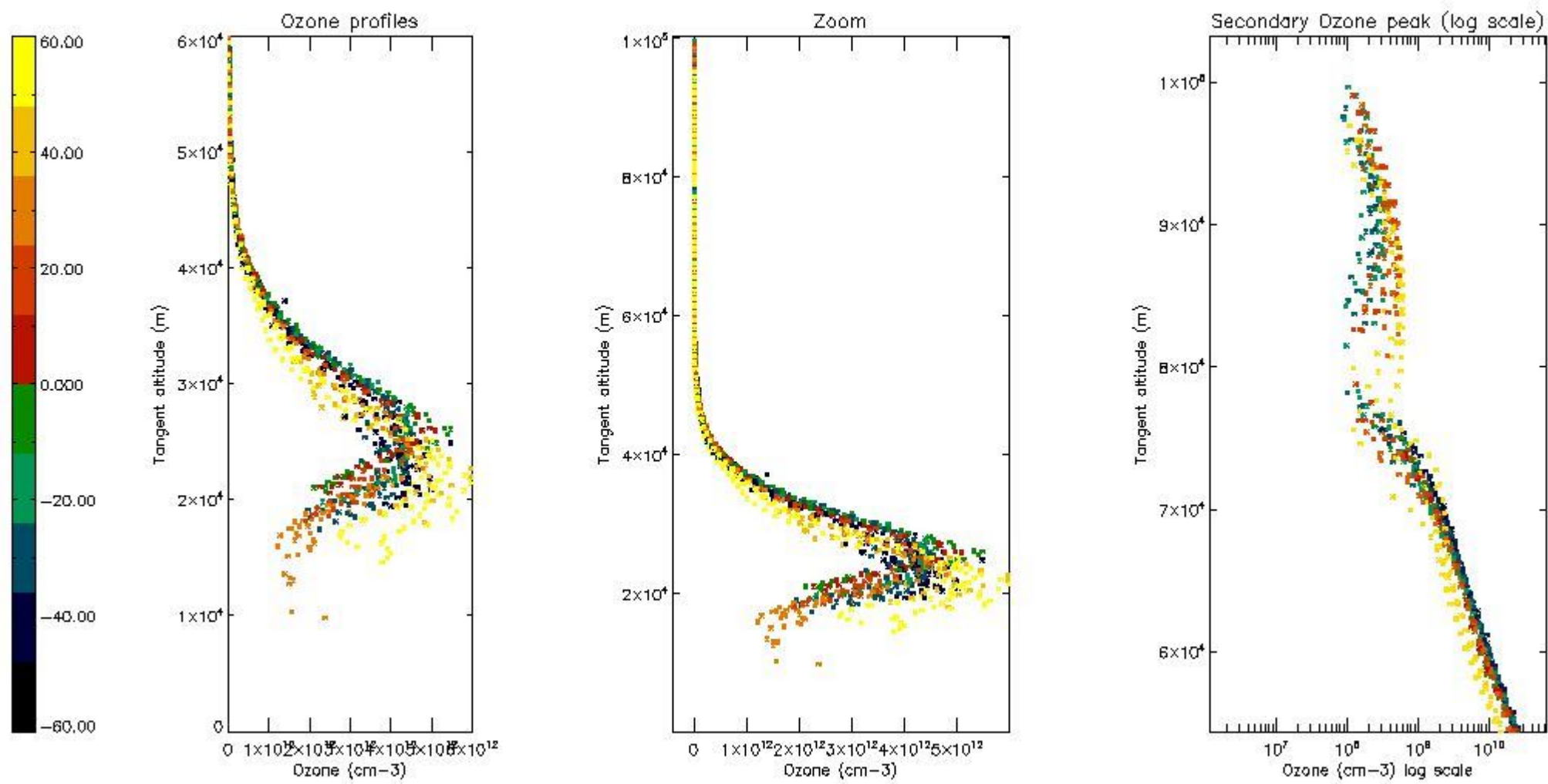
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



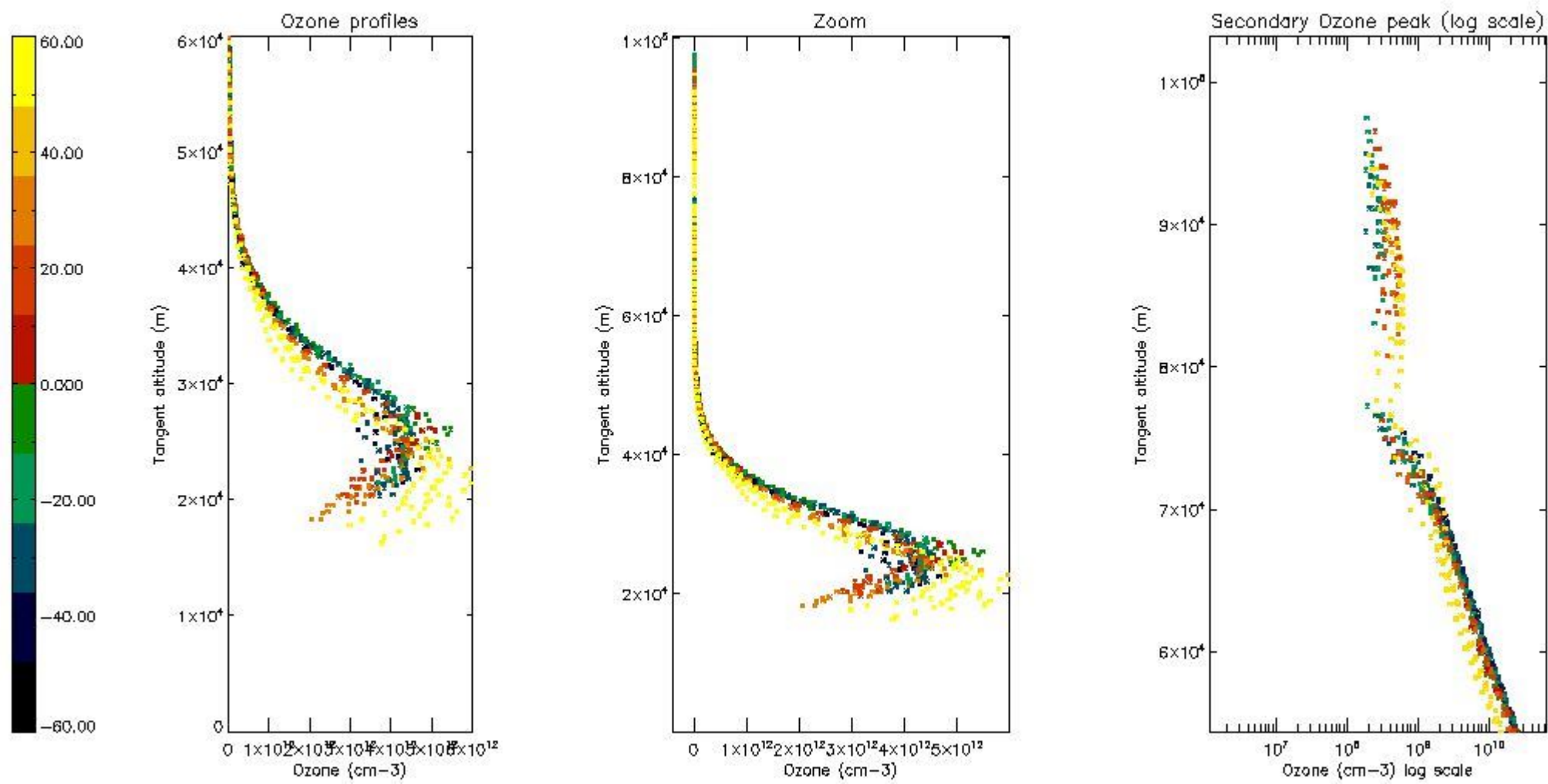
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



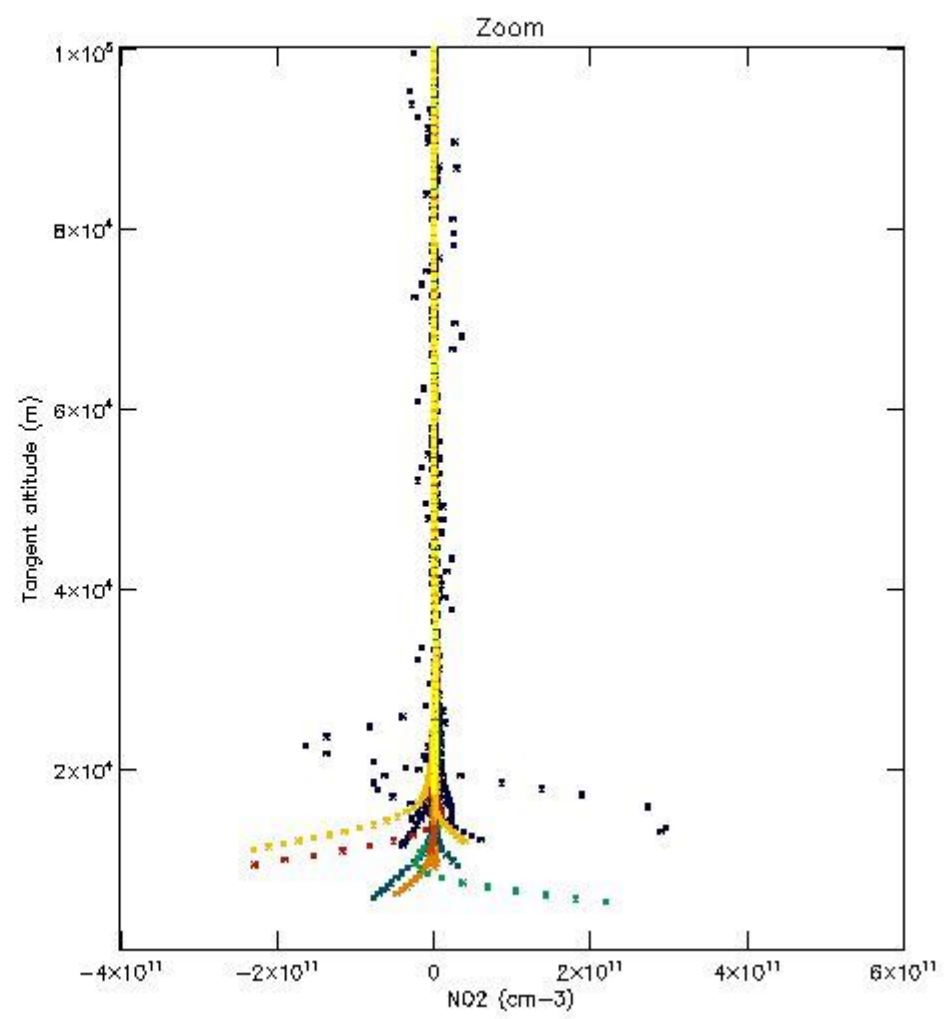
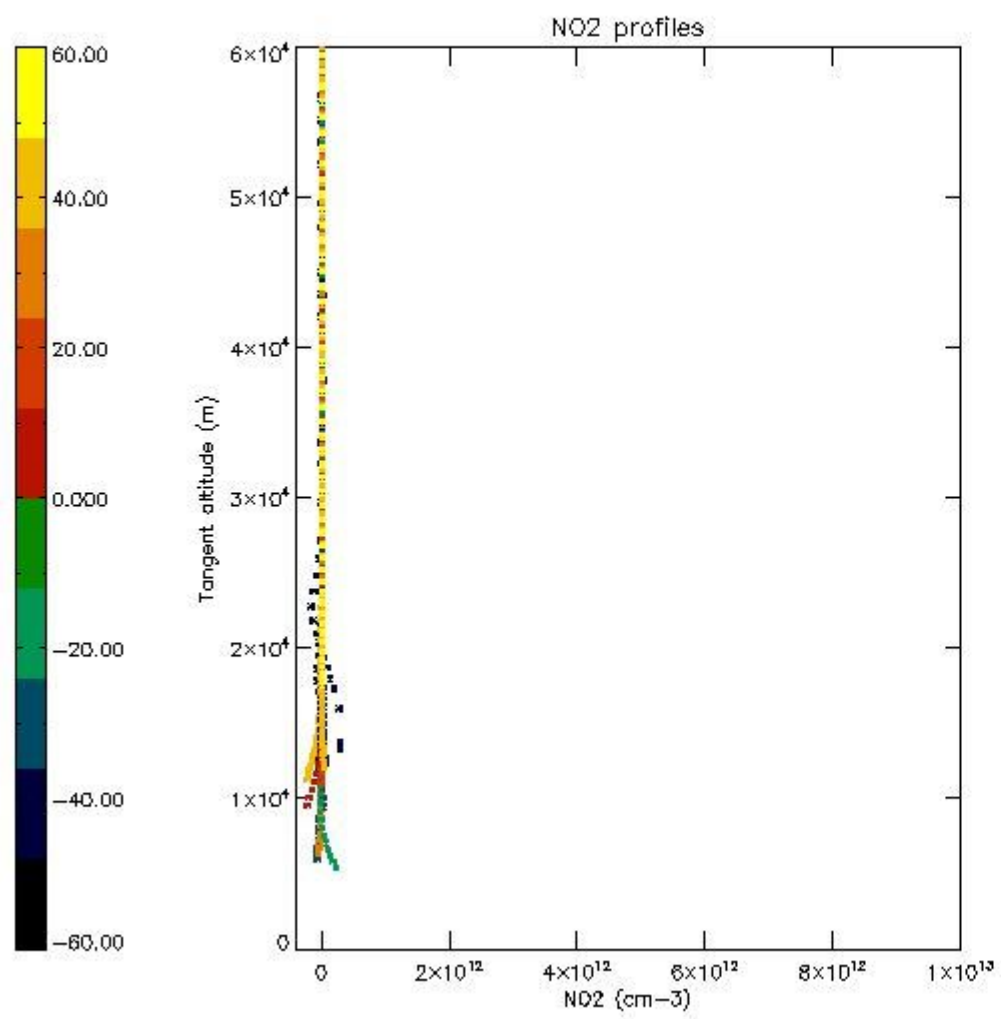
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



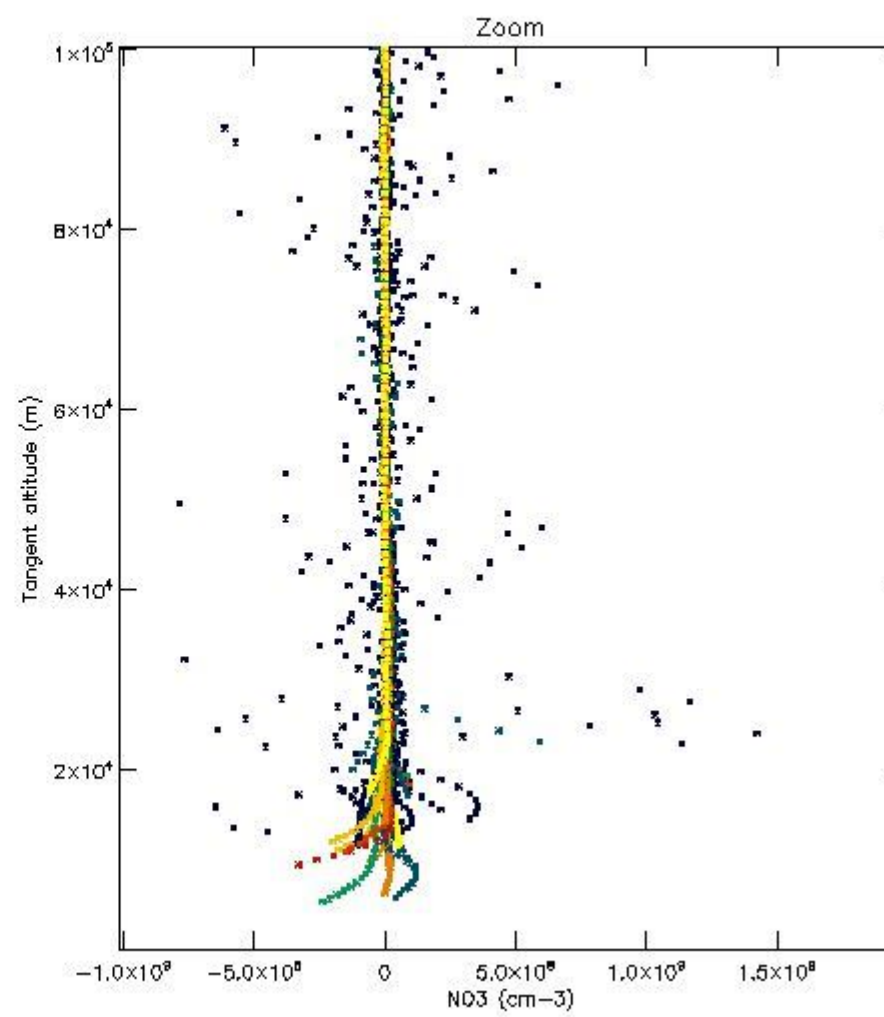
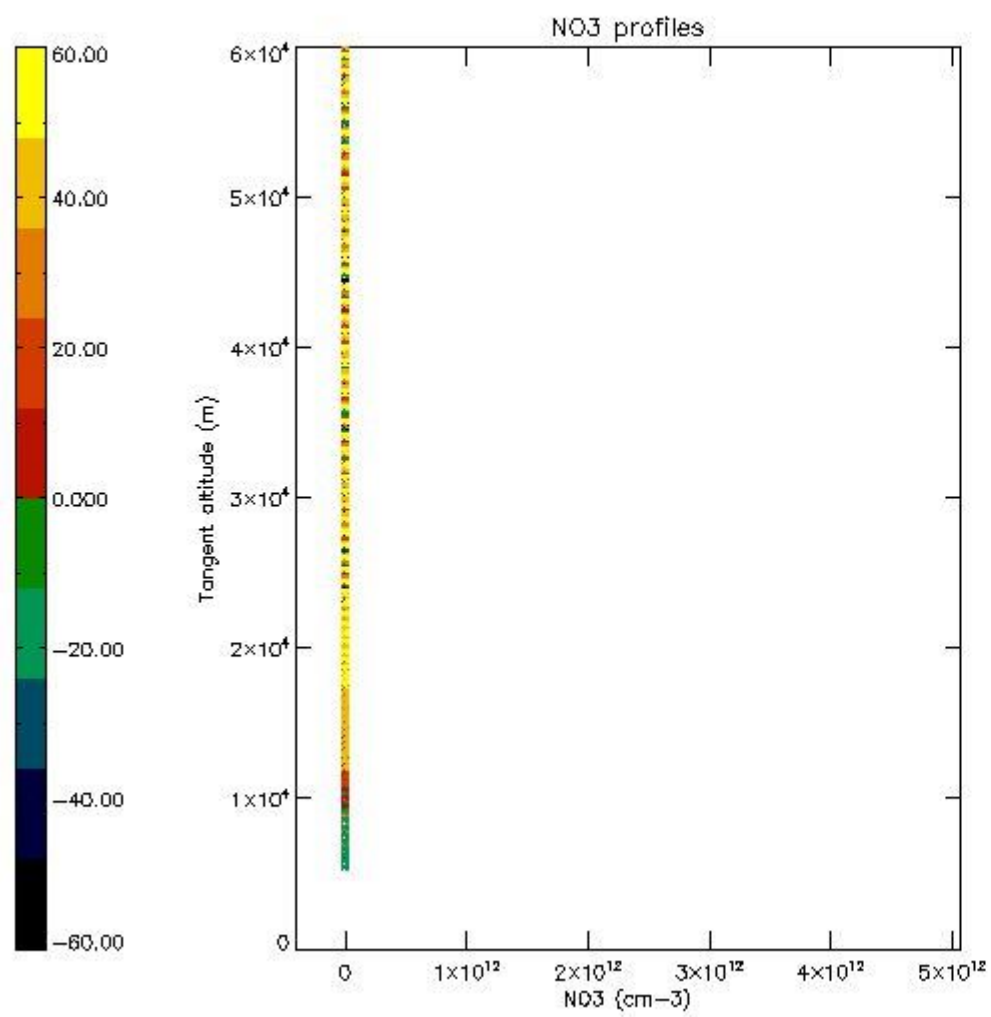
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



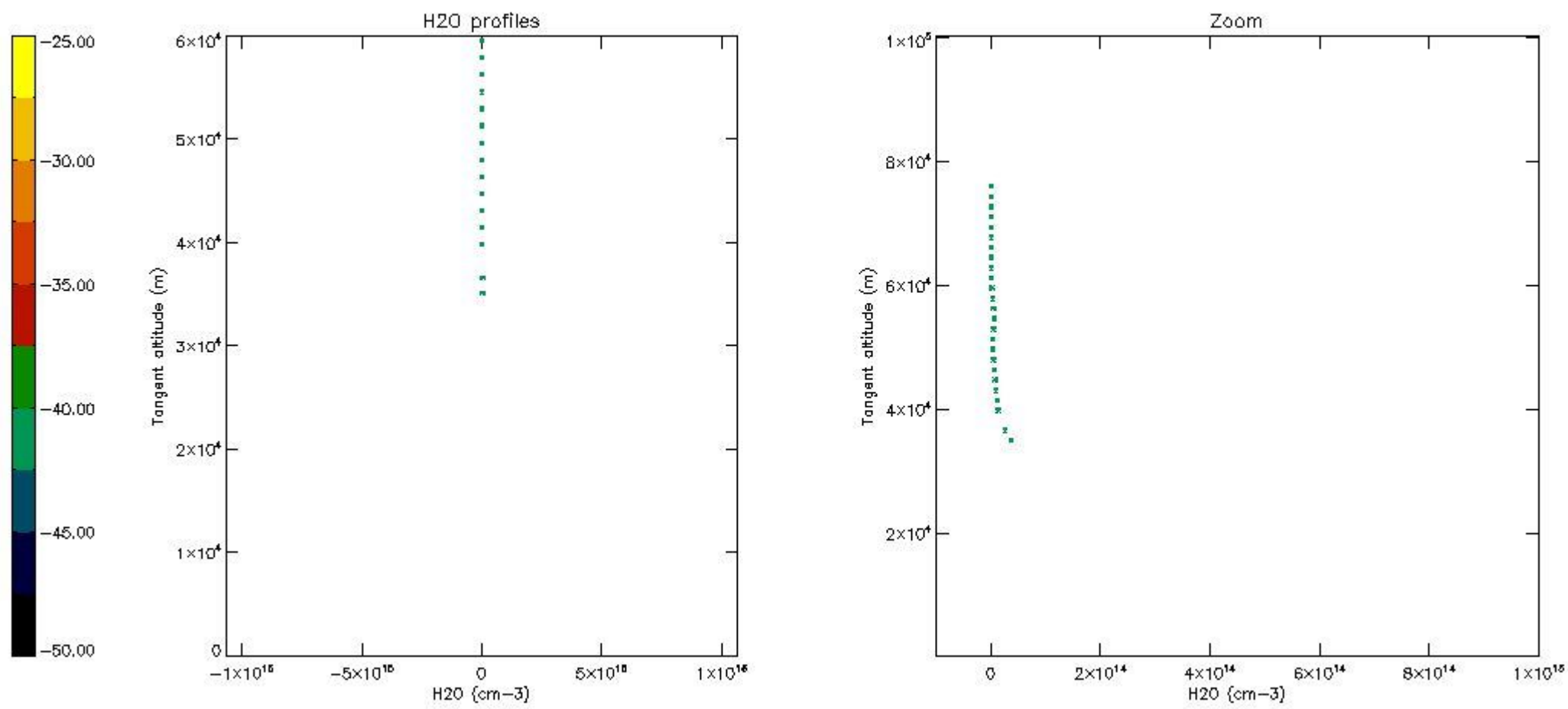
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

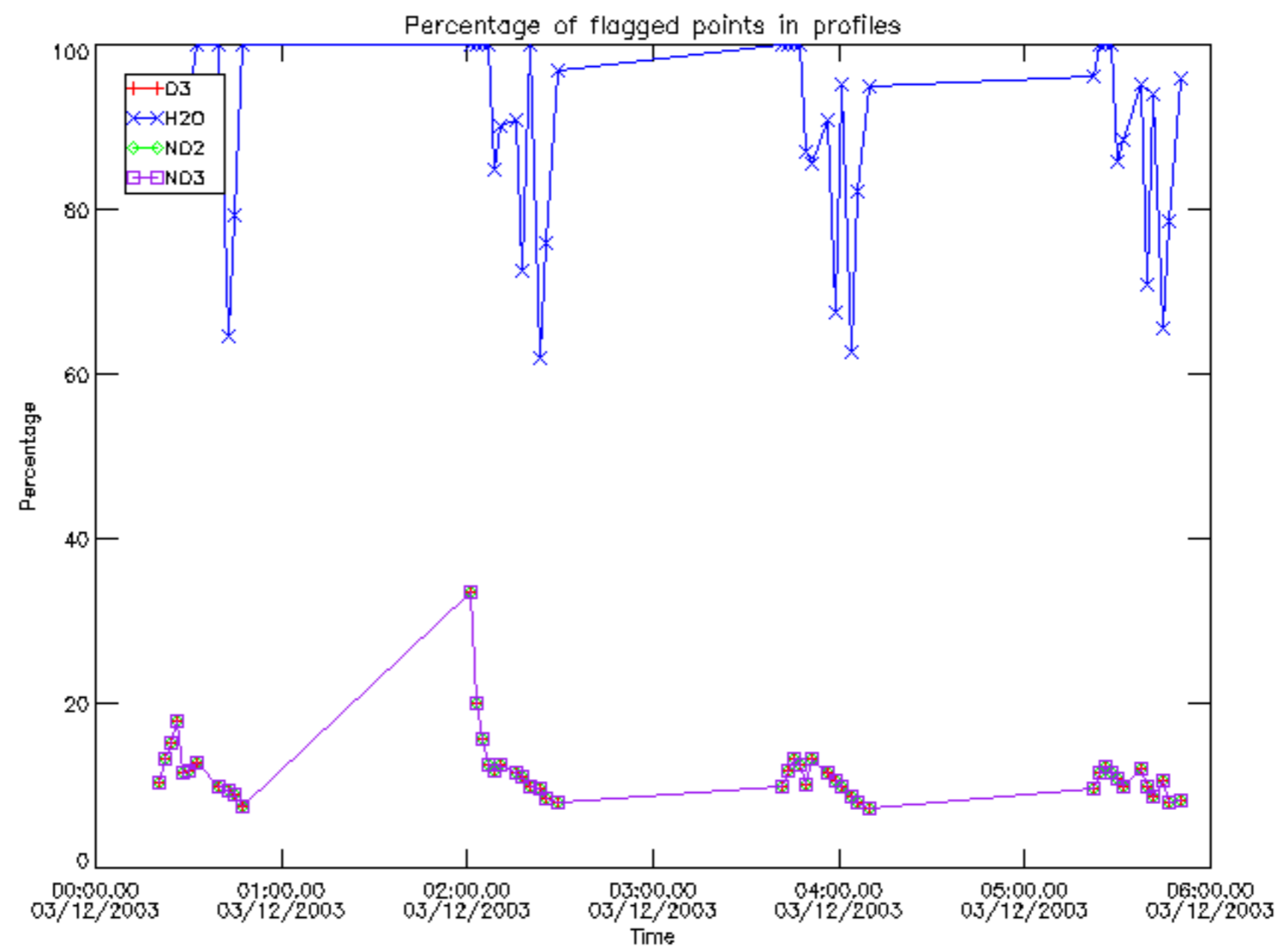
The colorbar represents the latitude.



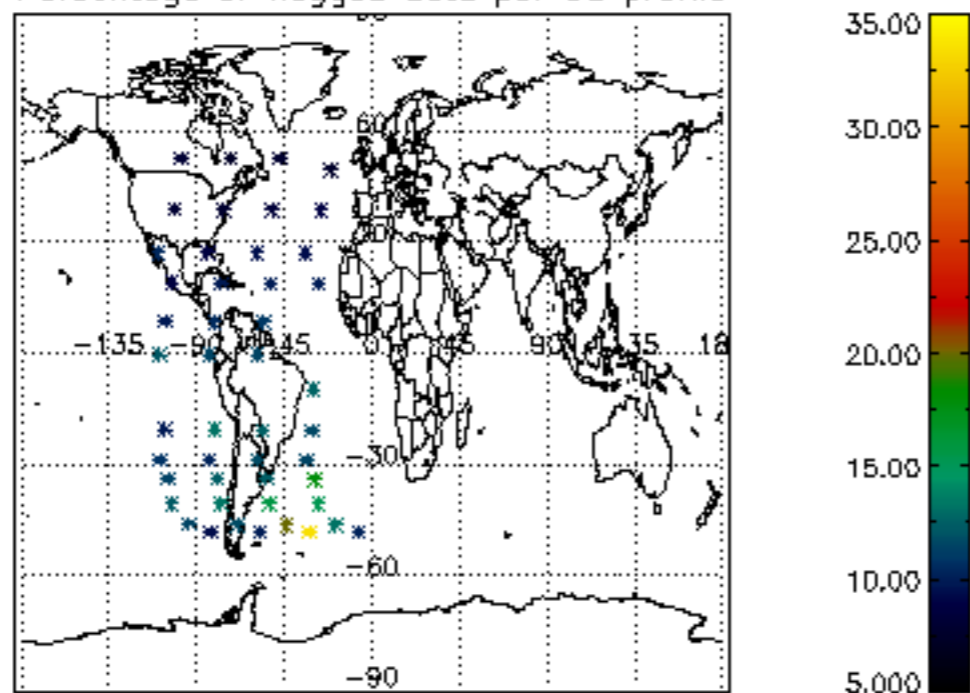
6. Auxiliary Data Files used for the production reported in section 2

The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

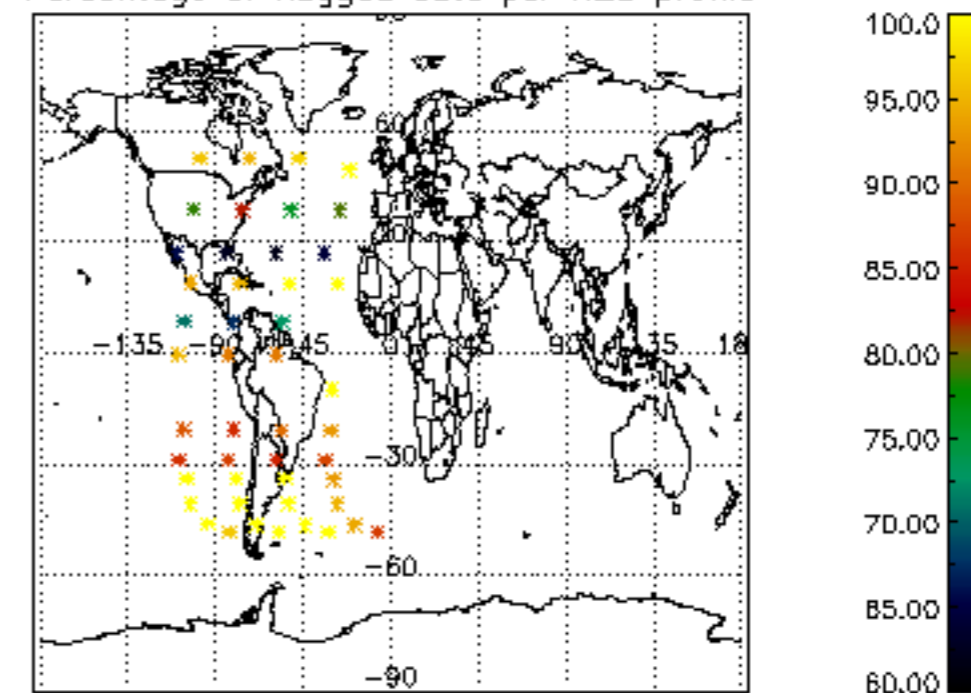
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	03-DEC-2003 00:00:27
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	03-DEC-2003 00:00:27
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	03-DEC-2003 00:00:27



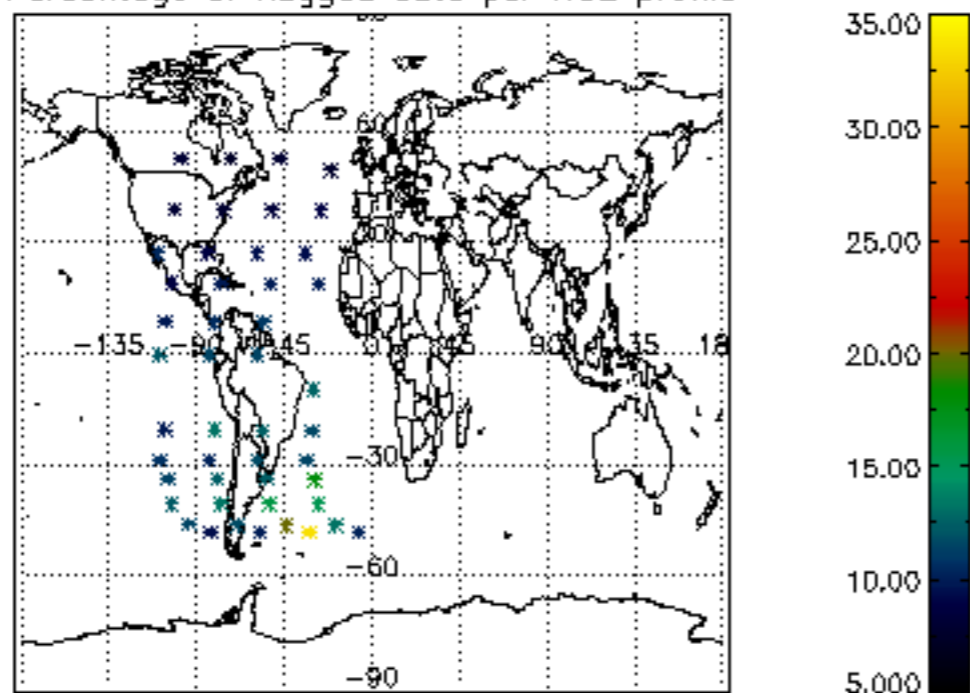
Percentage of flagged data per D3 profile



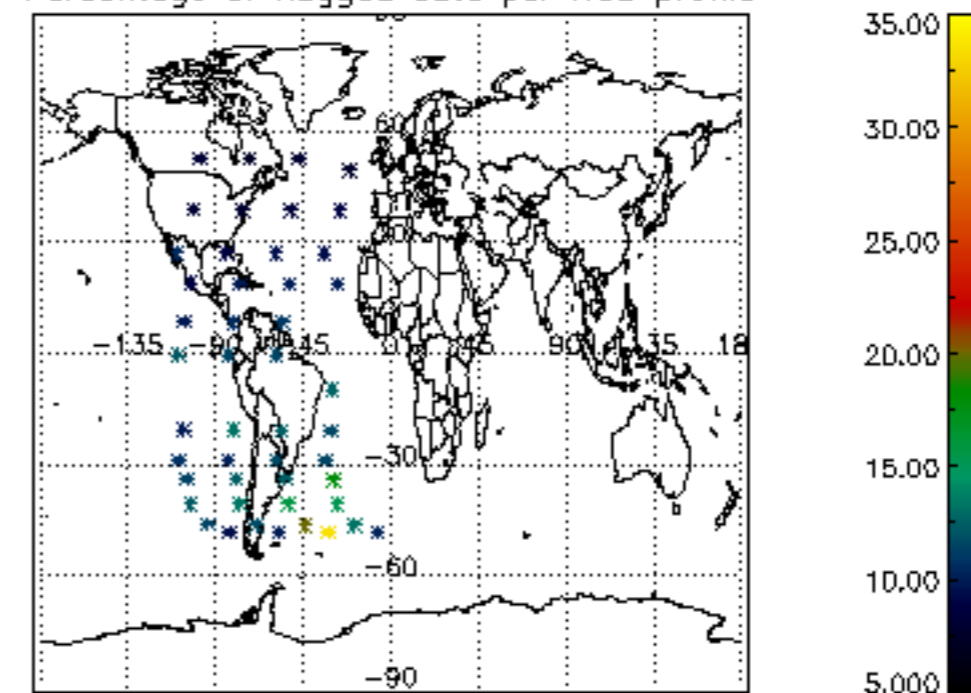
Percentage of flagged data per H2O profile

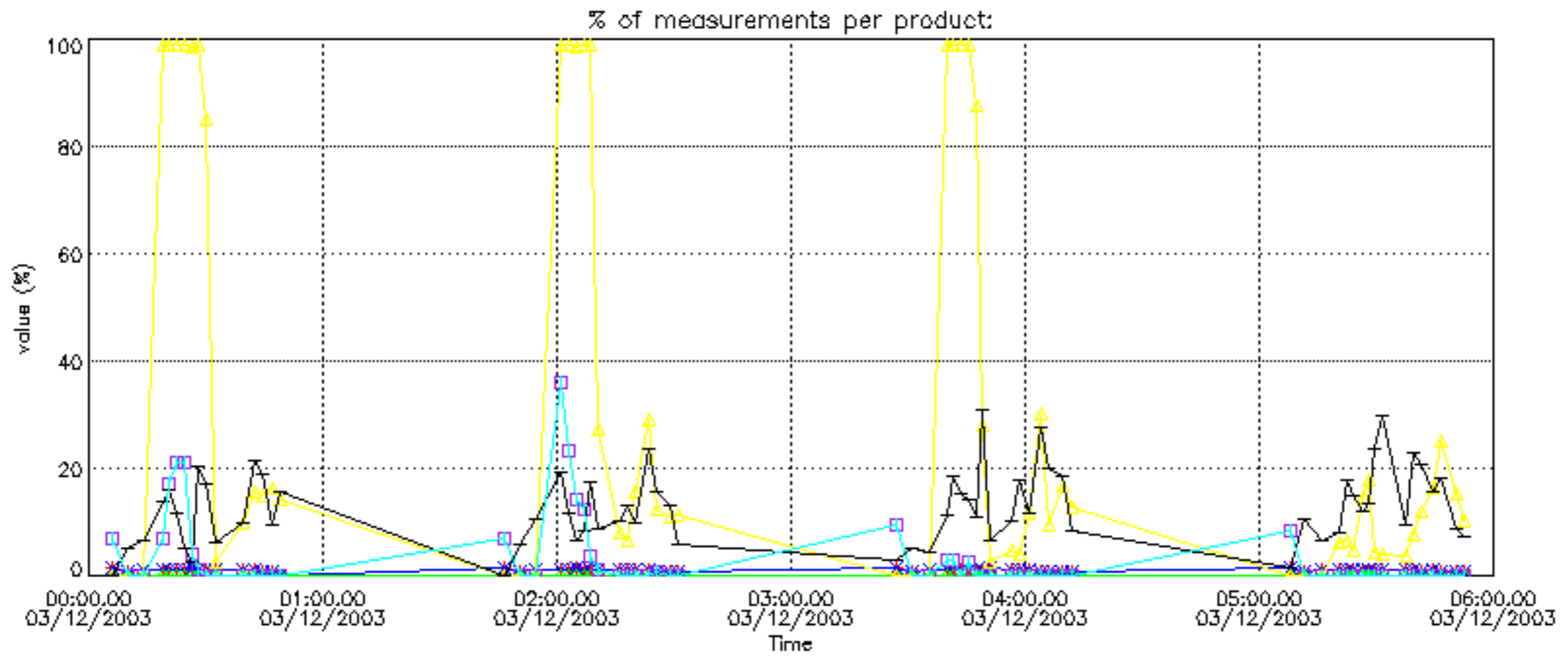


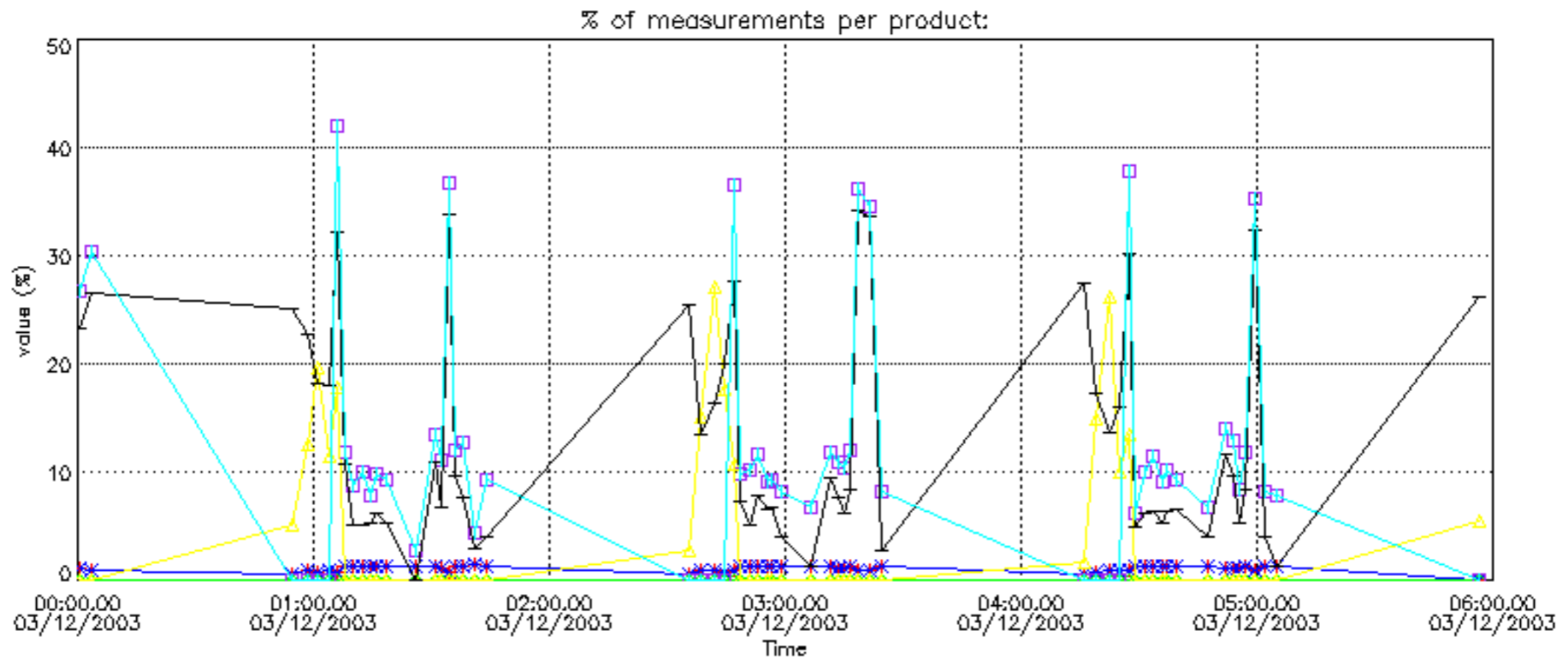
Percentage of flagged data per NO2 profile



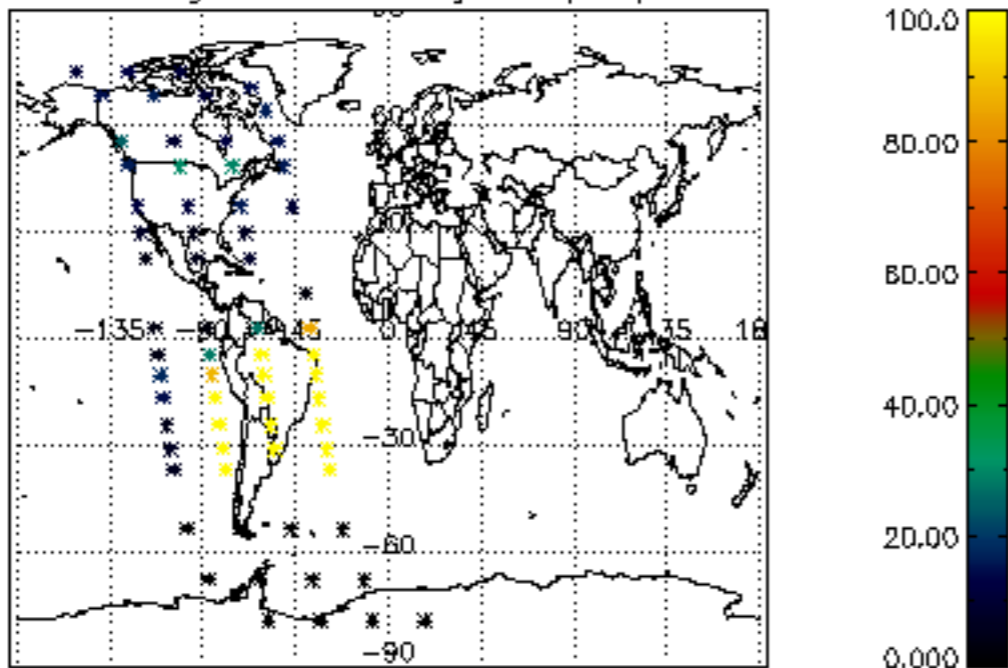
Percentage of flagged data per NO3 profile



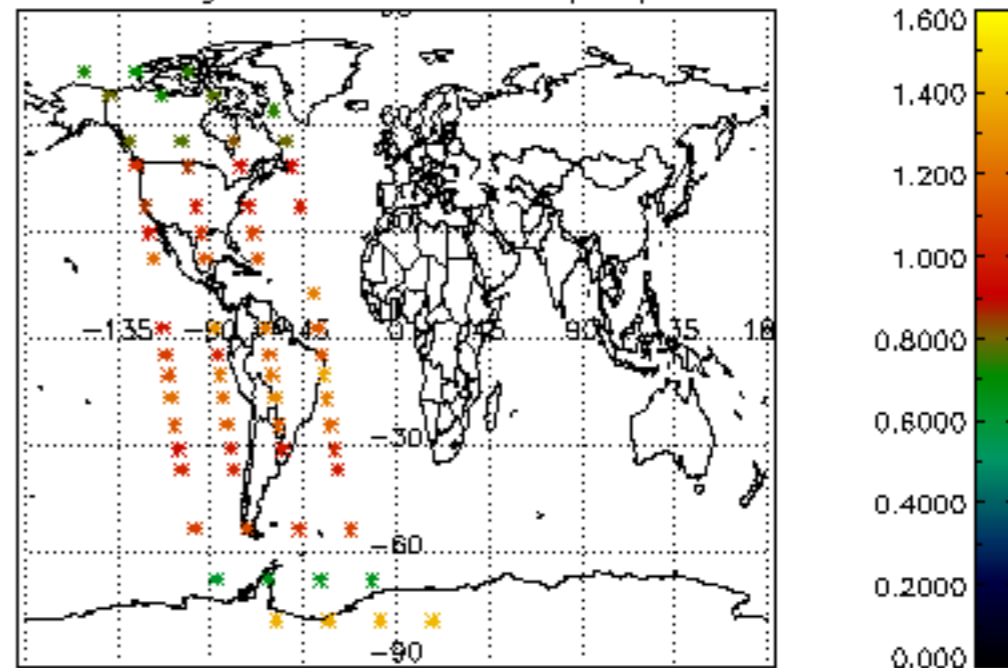




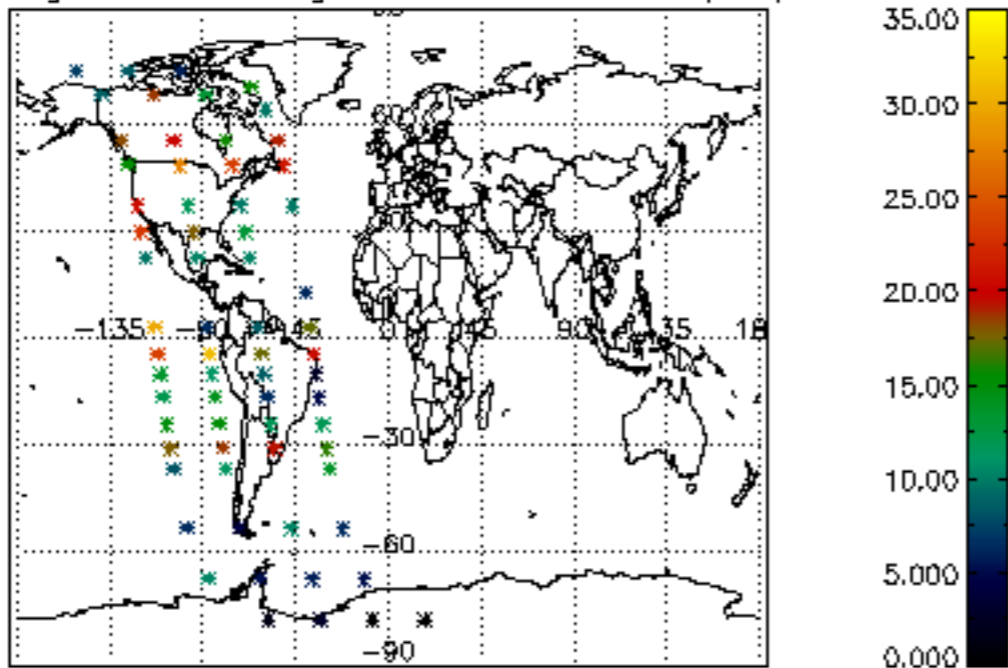
Percentage of cosmic ray hits per profile



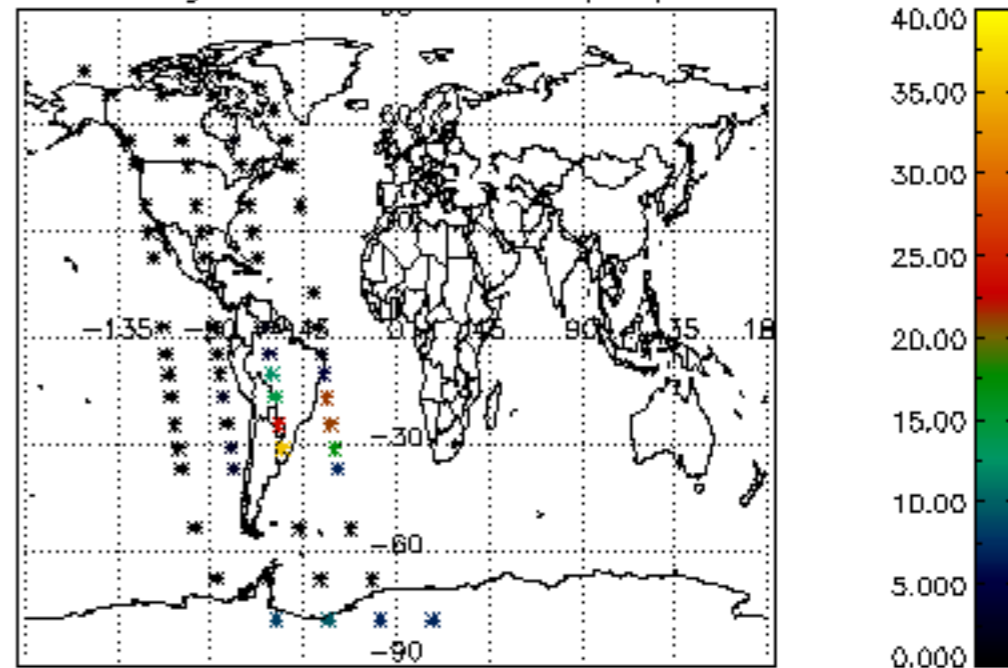
Percentage of datation errors per profile



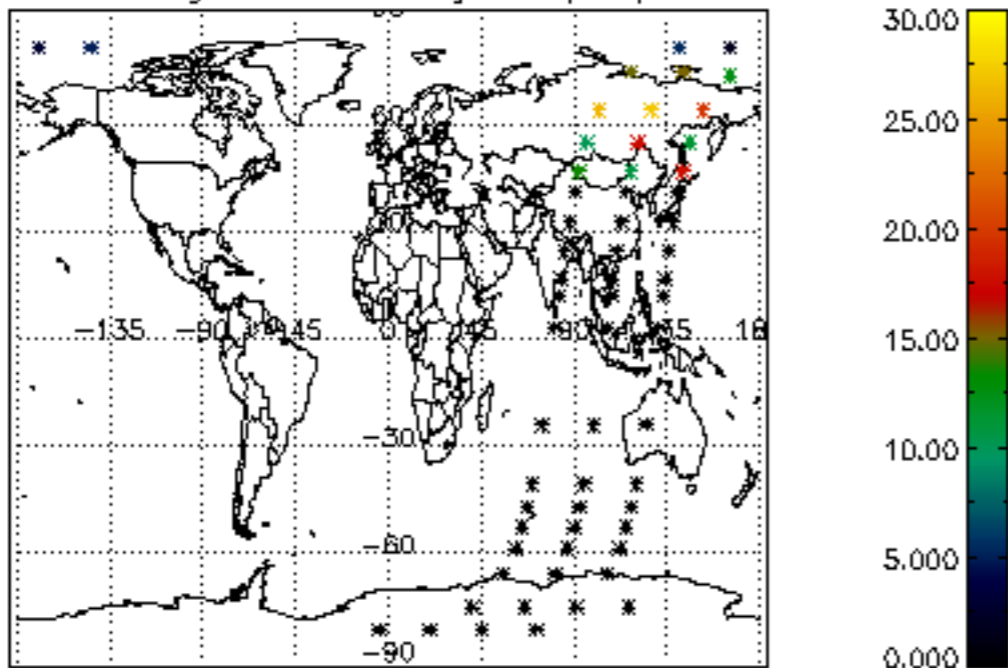
Percentage of star falling outside central band per profile



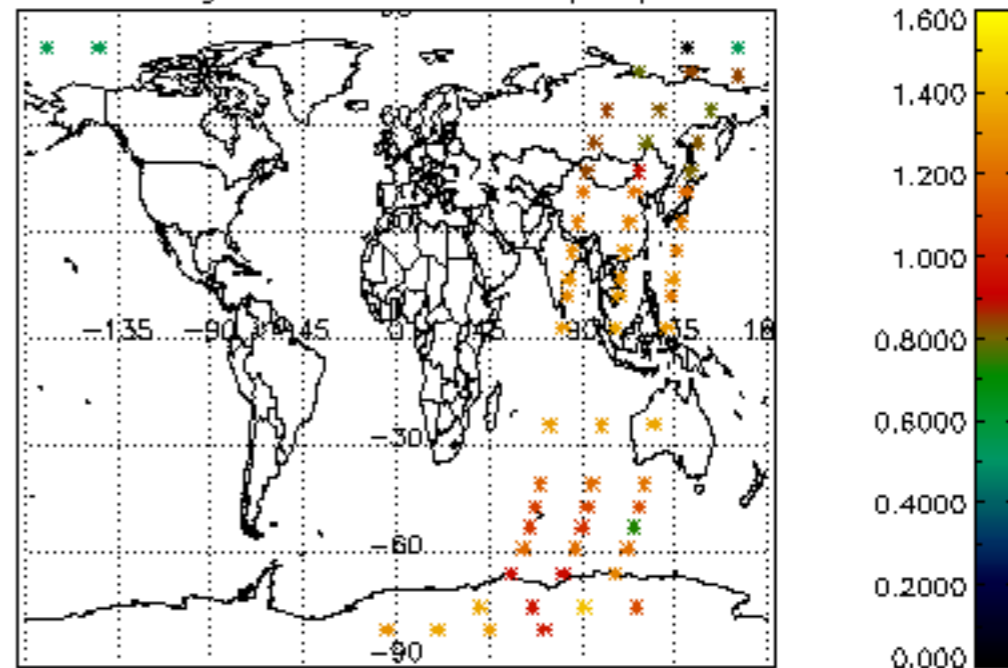
Percentage of saturation errors per profile



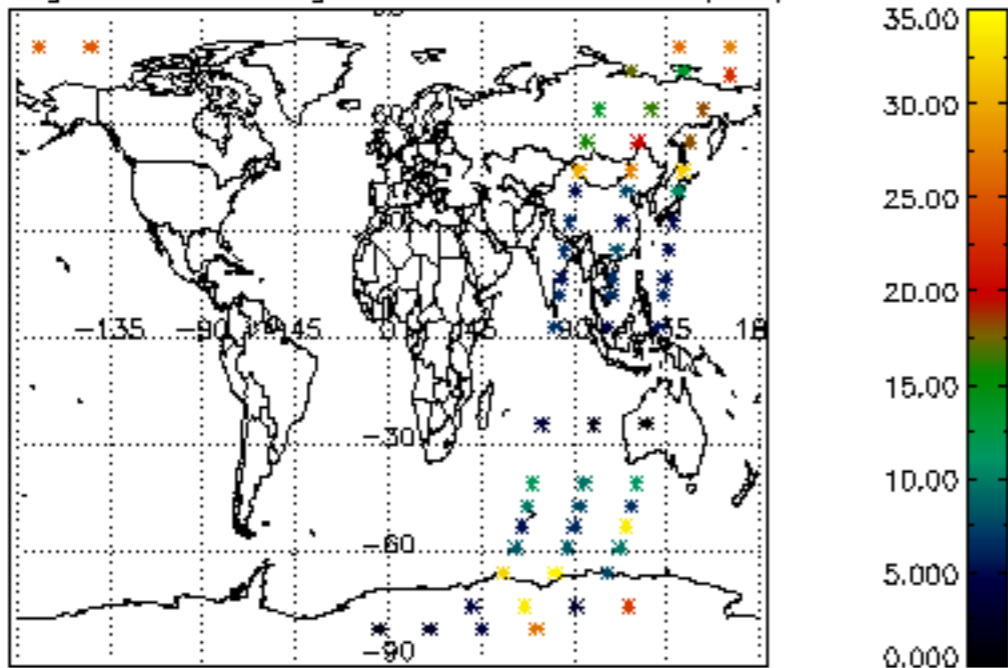
Percentage of cosmic ray hits per profile



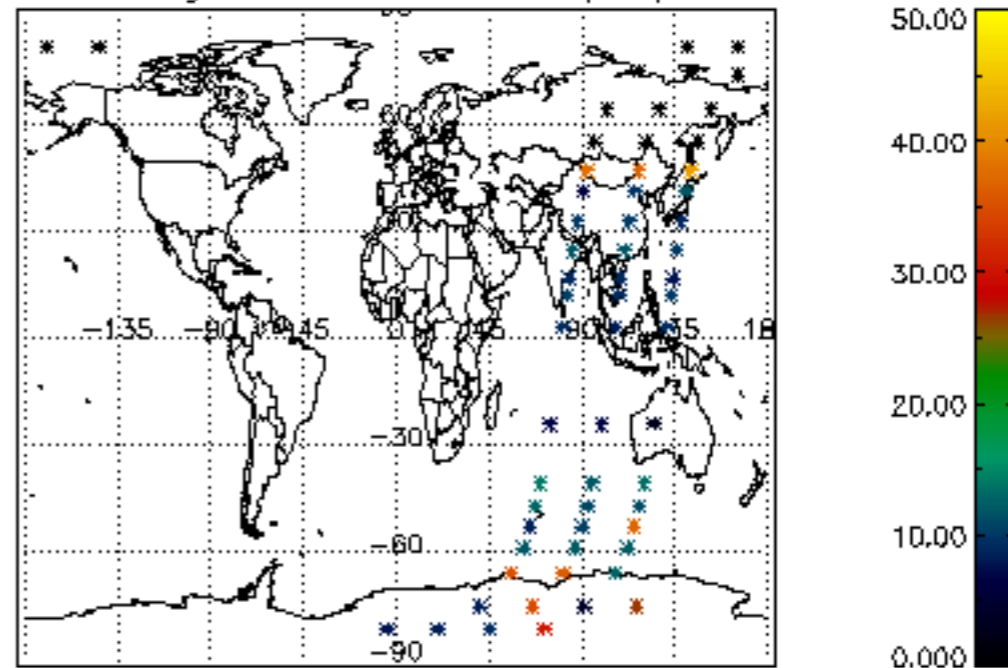
Percentage of datation errors per profile

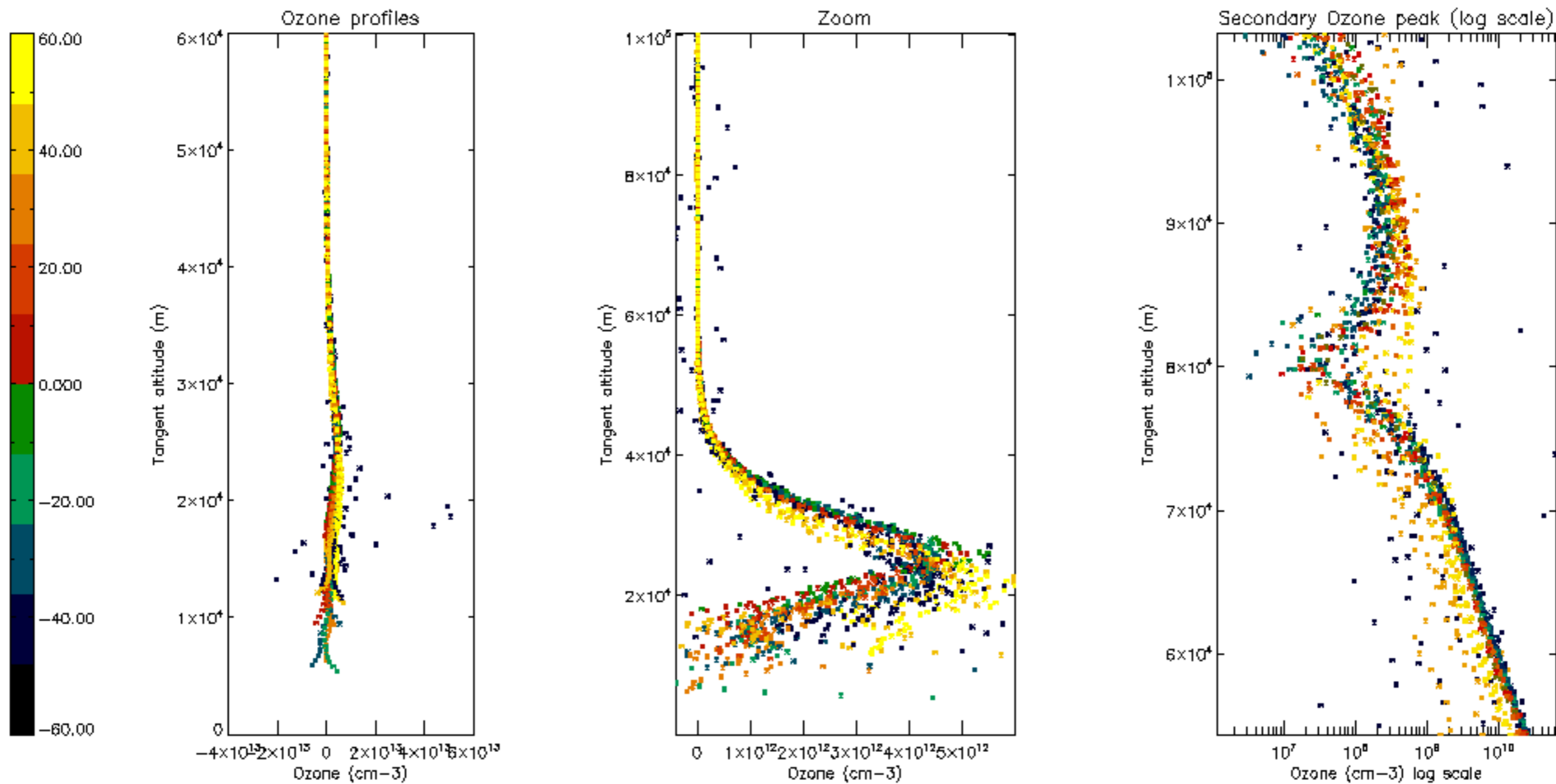


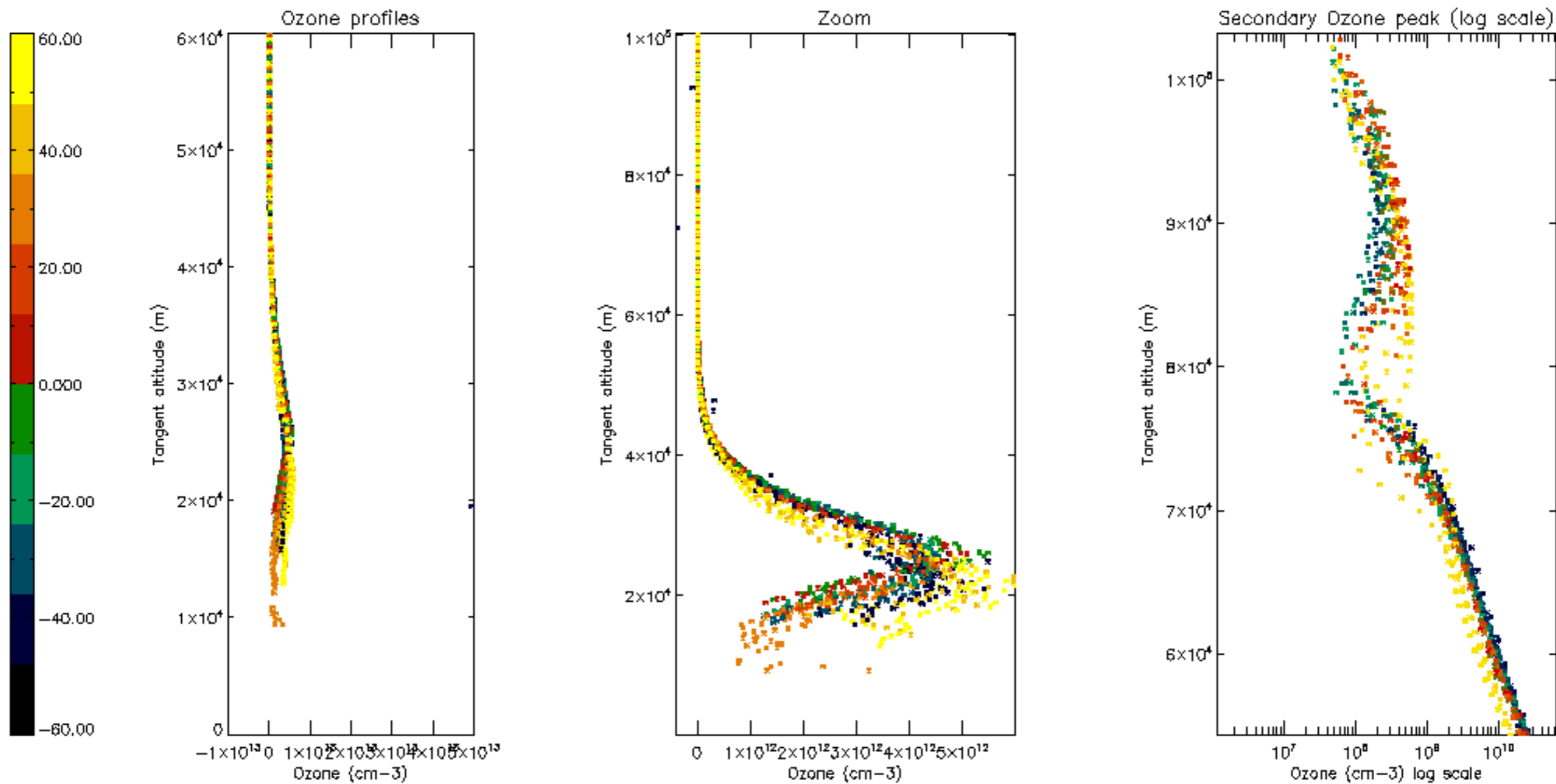
Percentage of star falling outside central band per profile

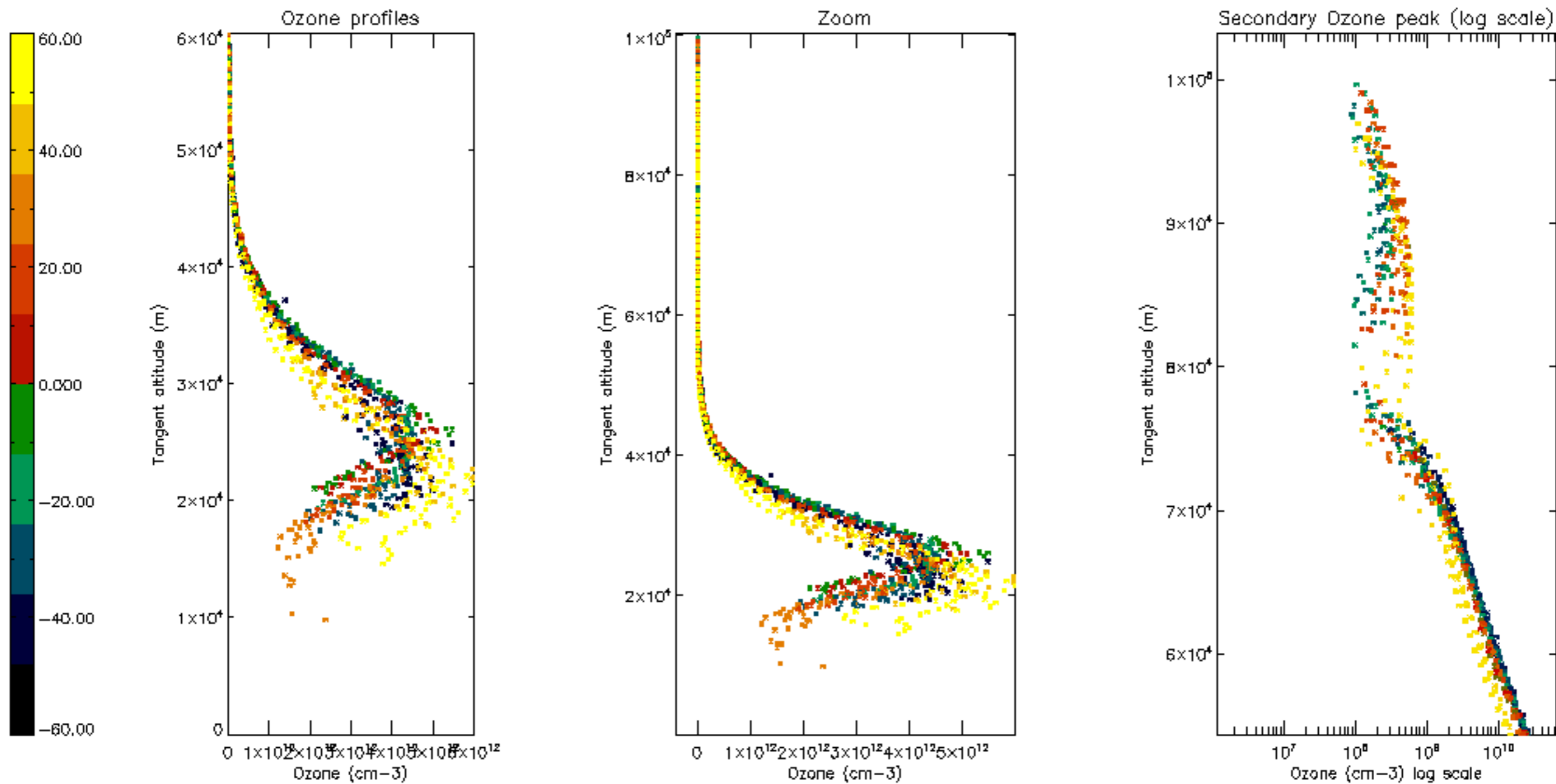


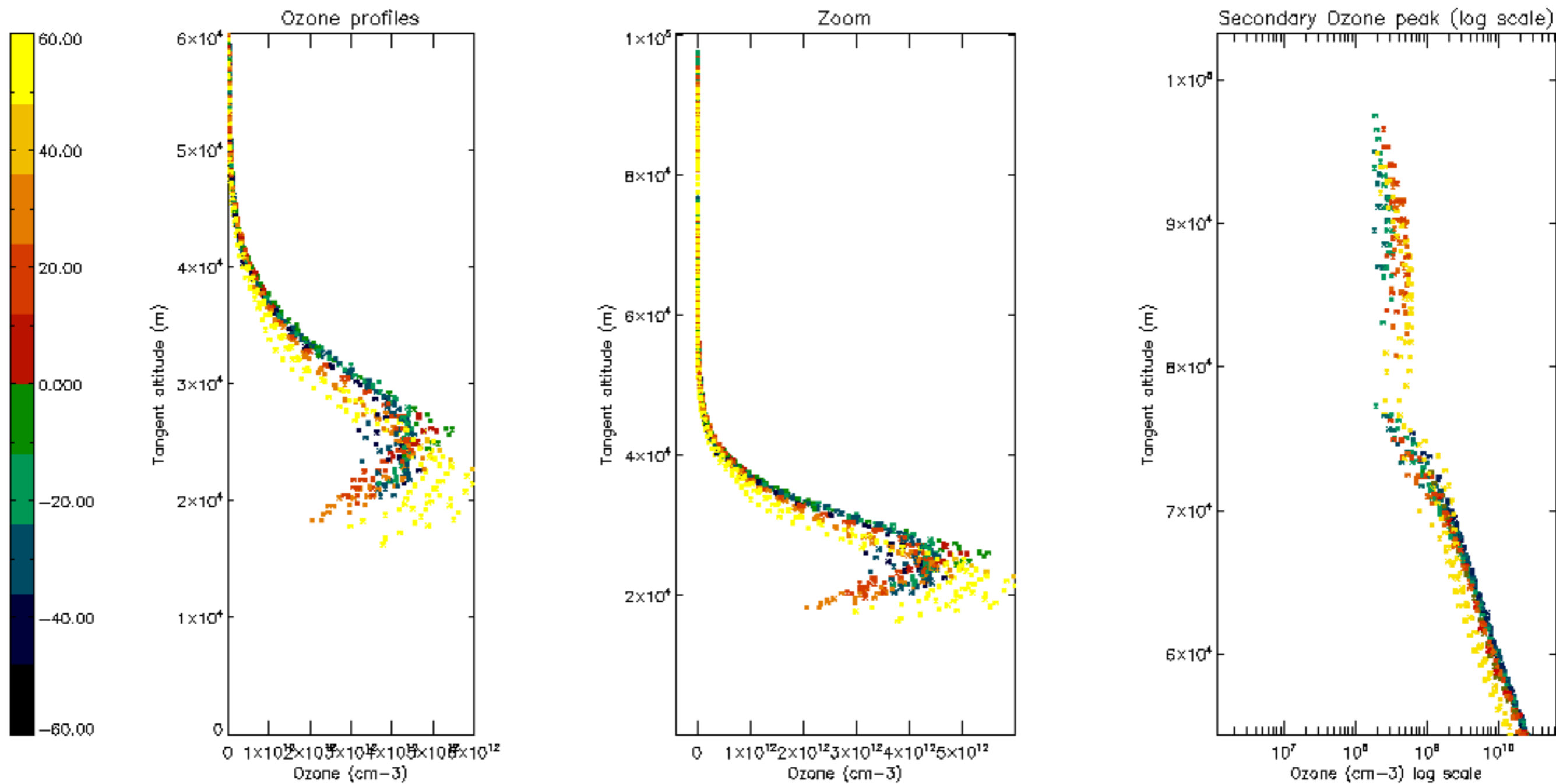
Percentage of saturation errors per profile

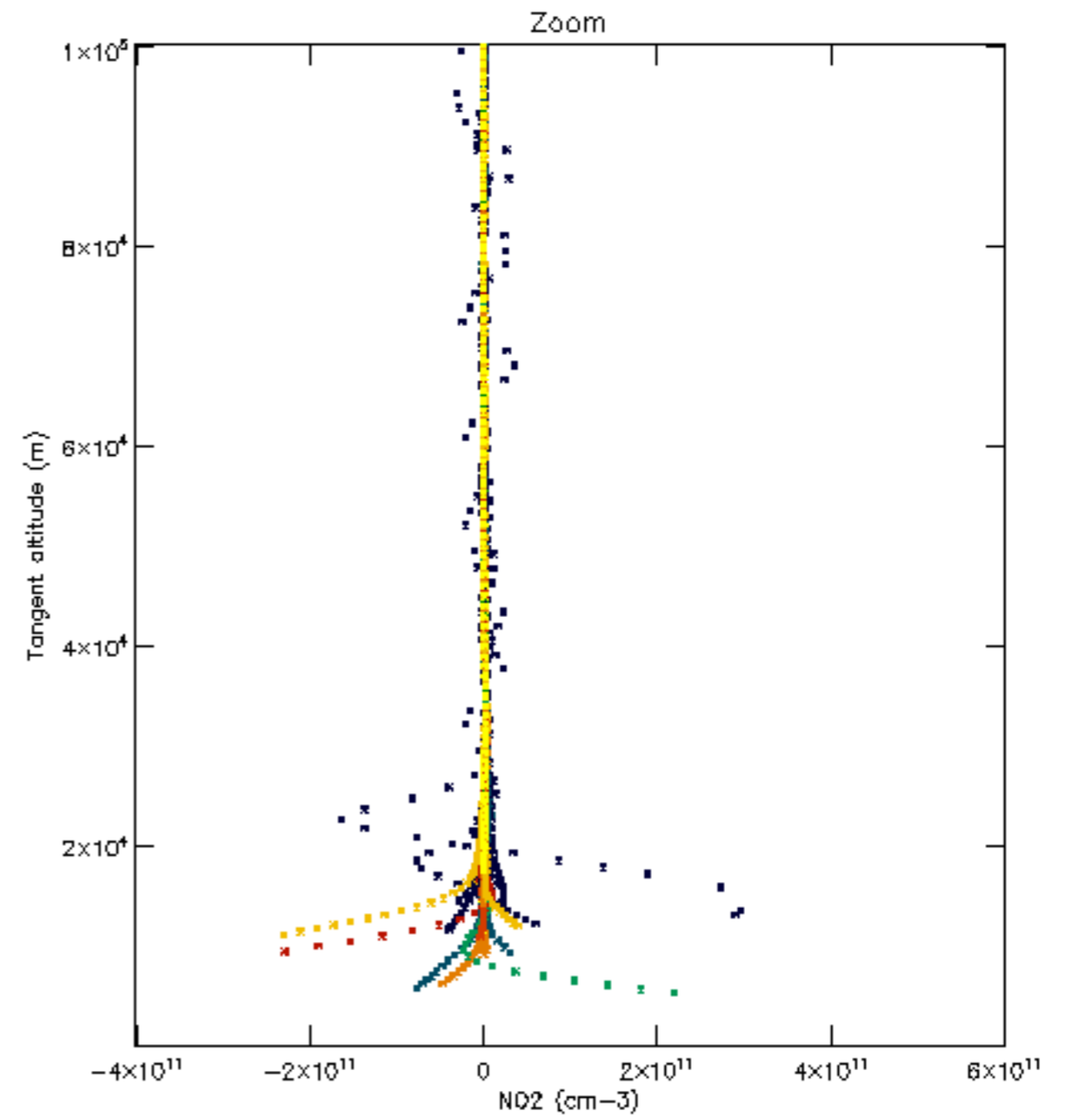
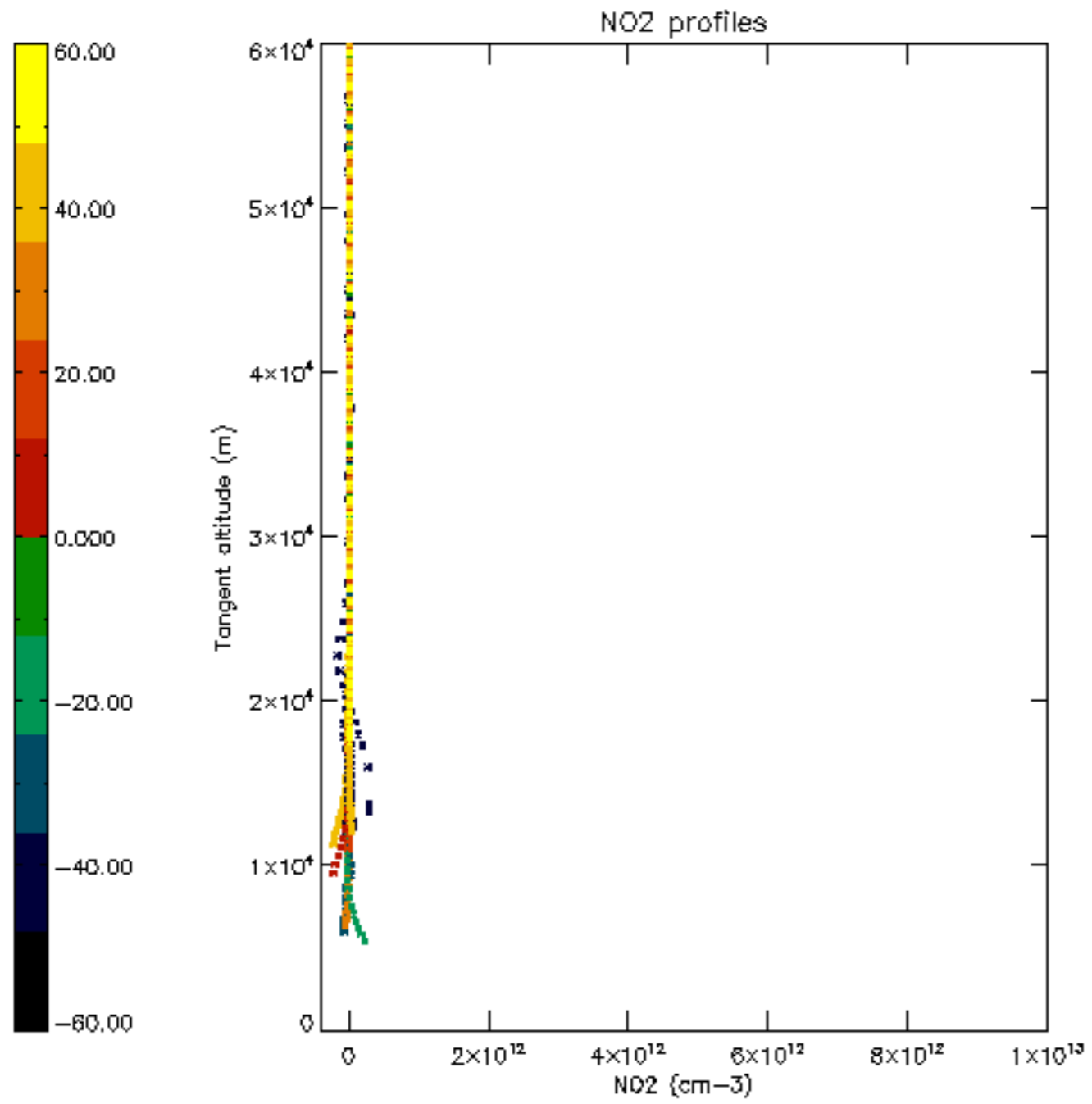


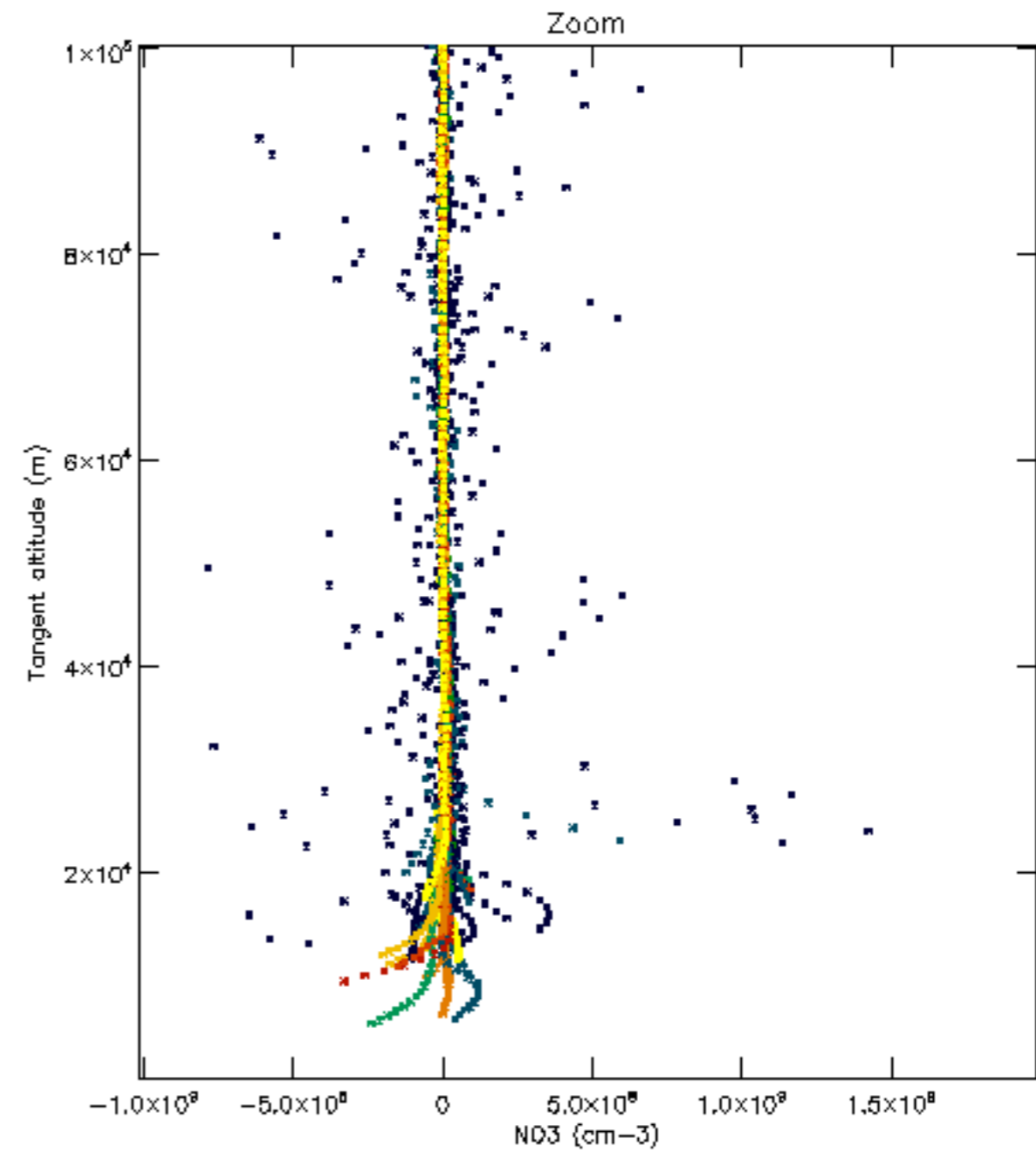
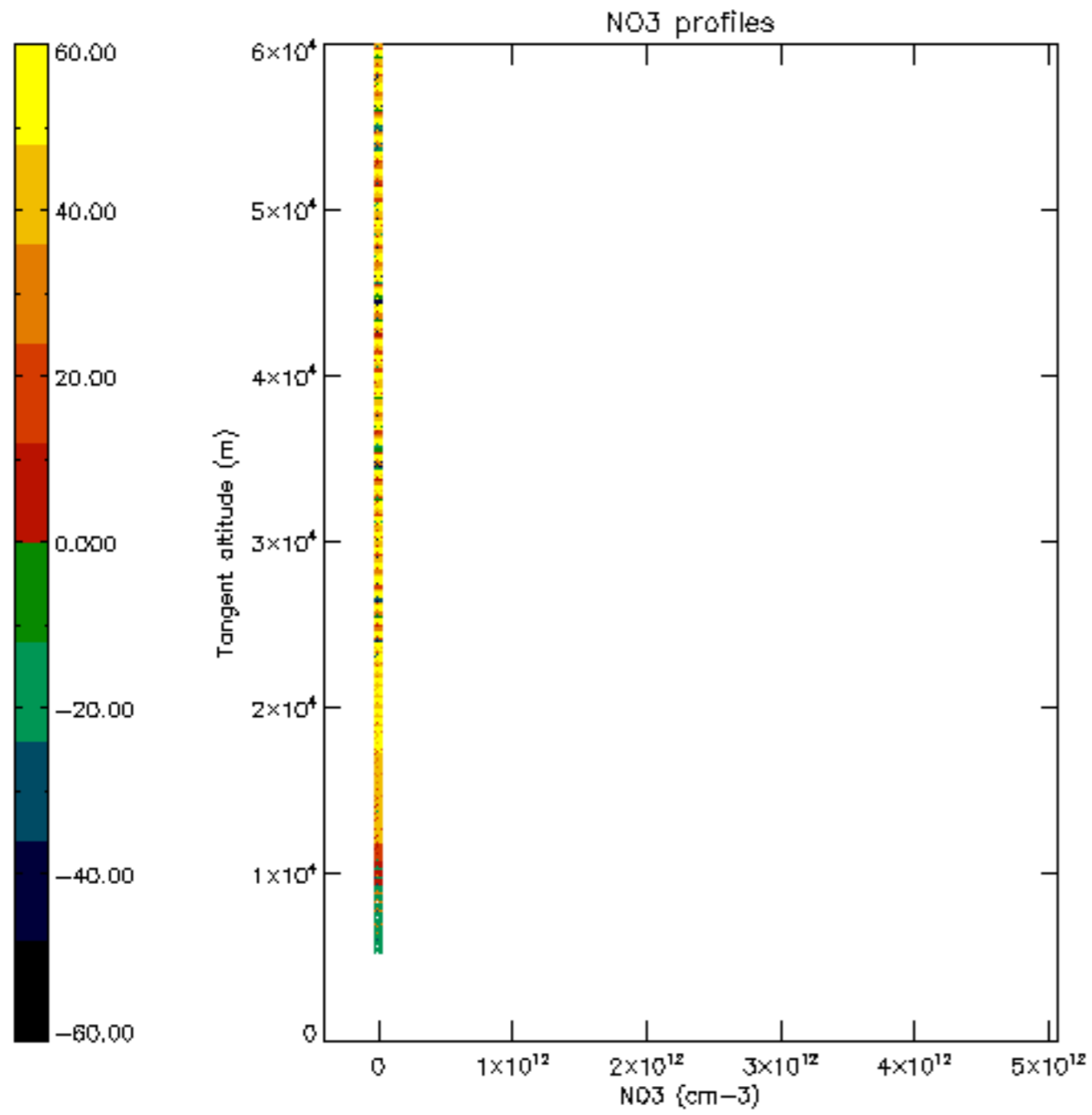


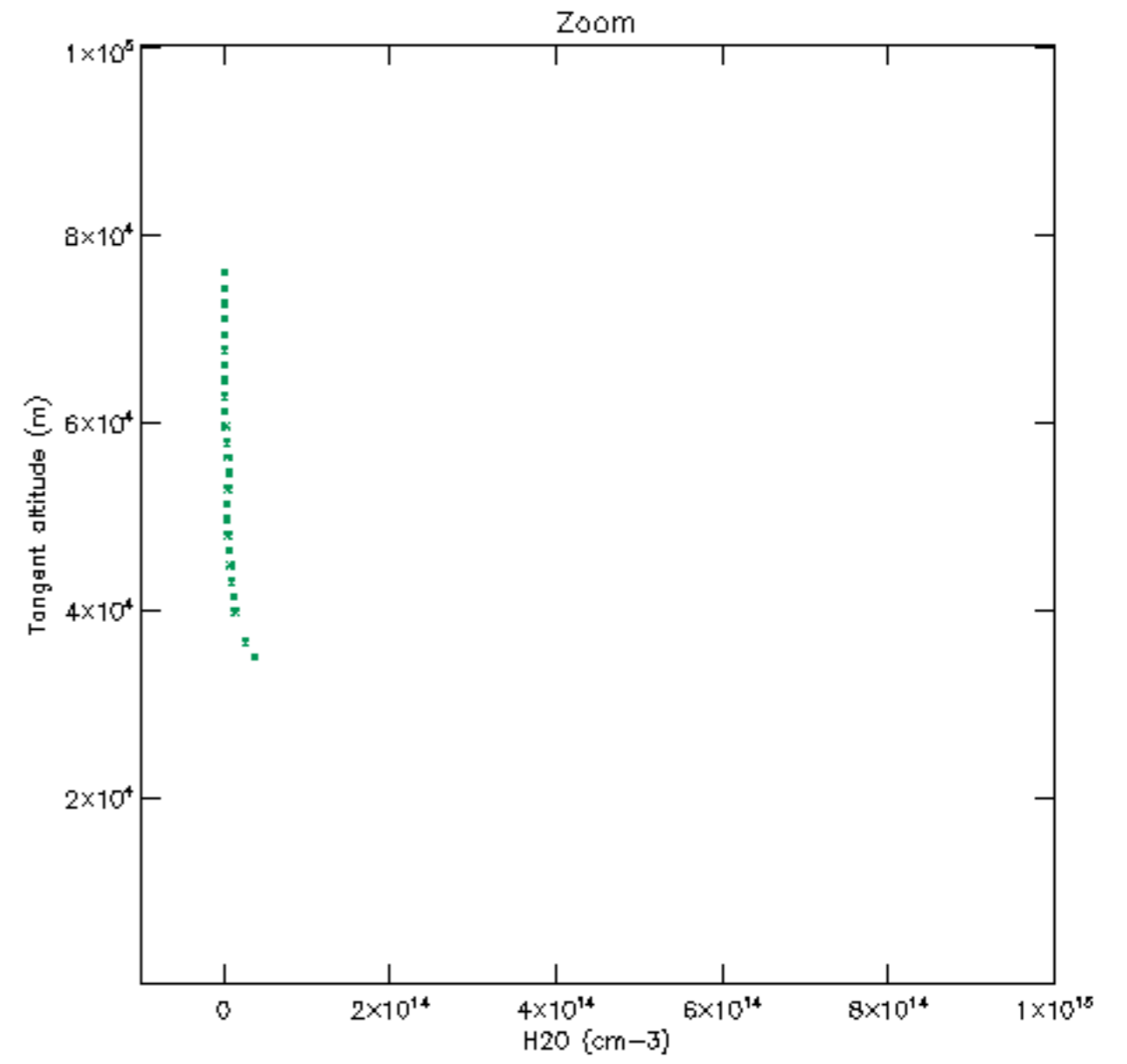
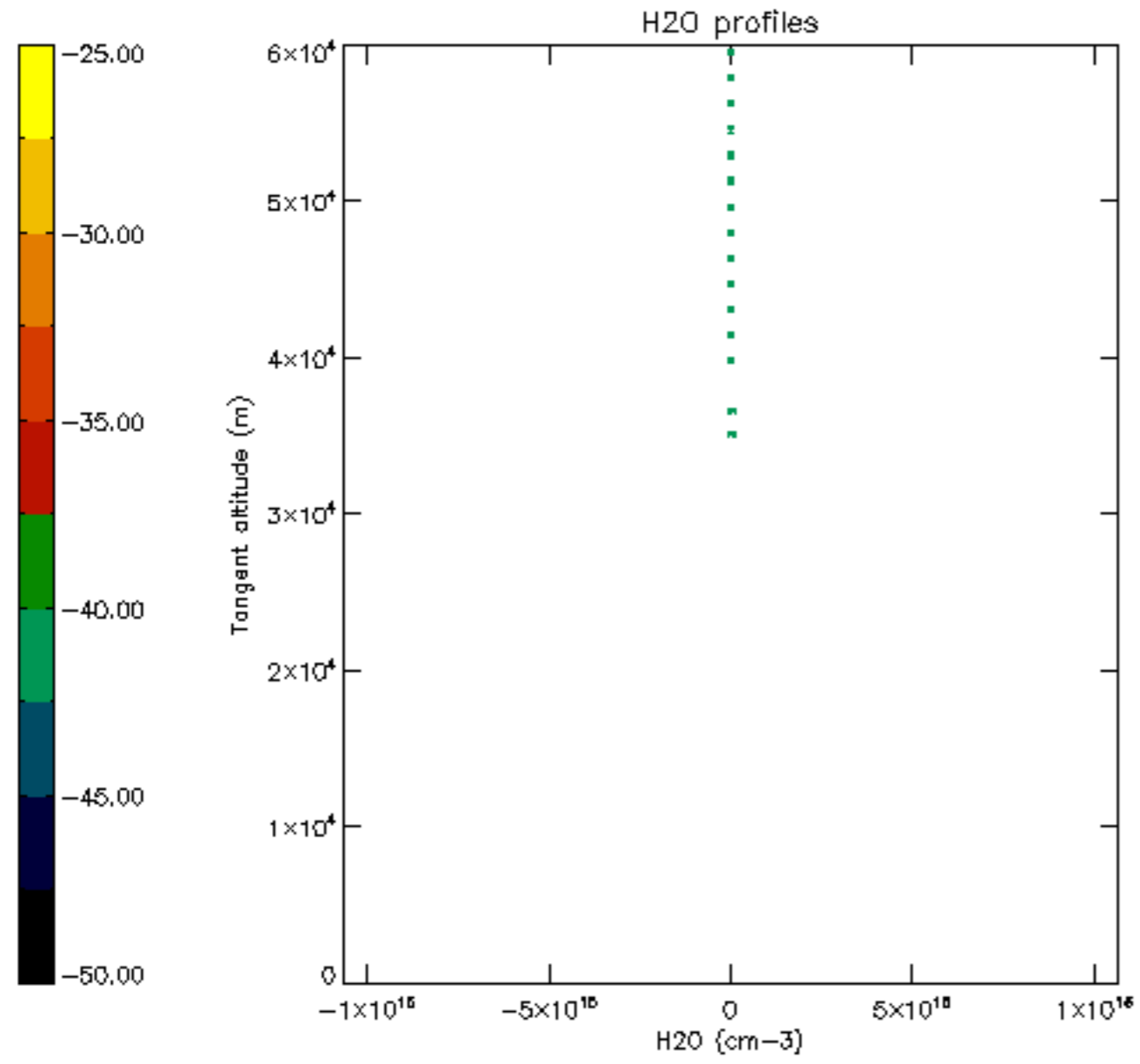


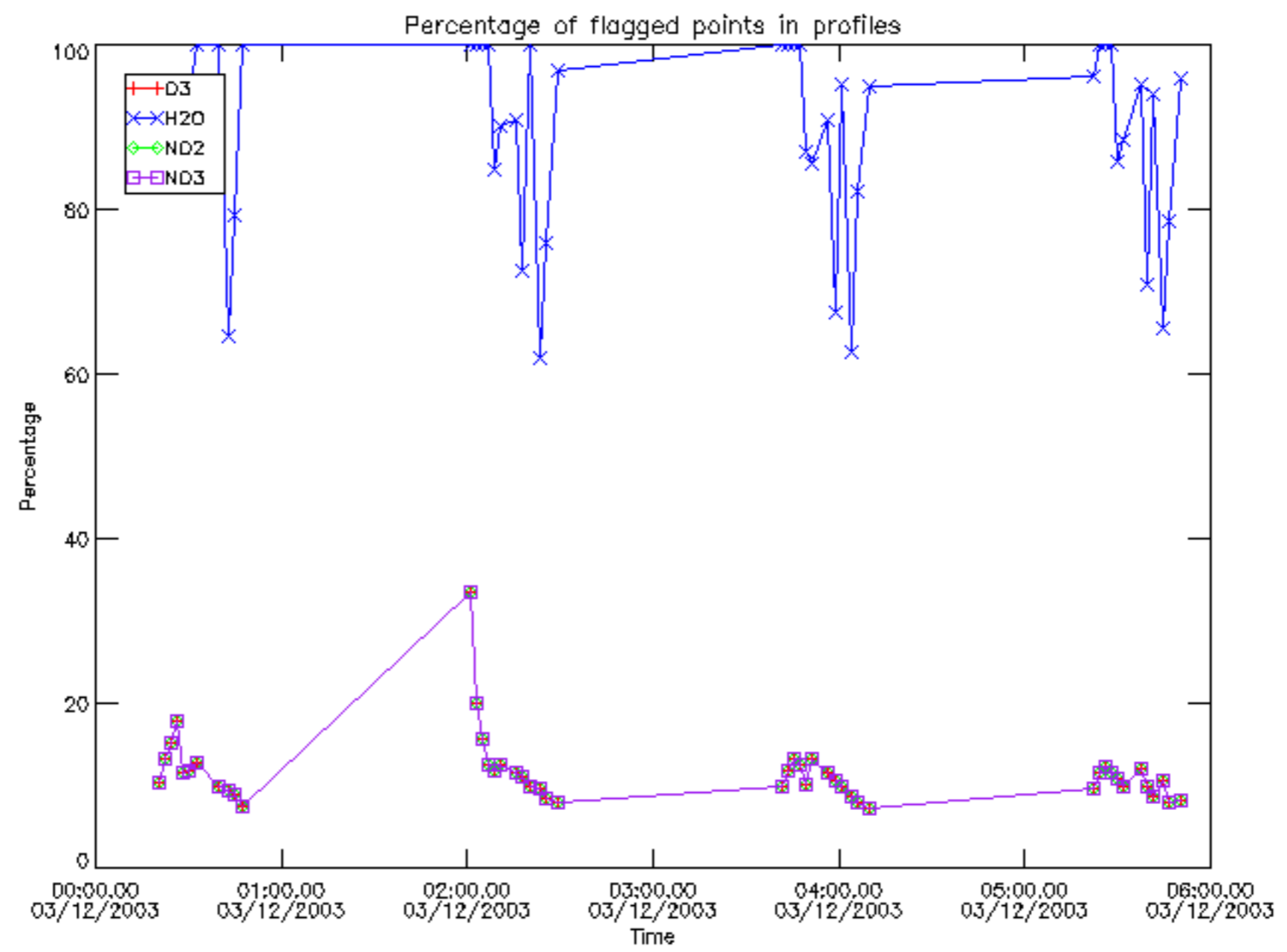




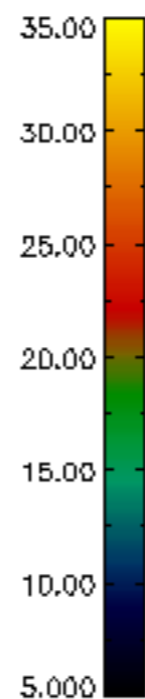
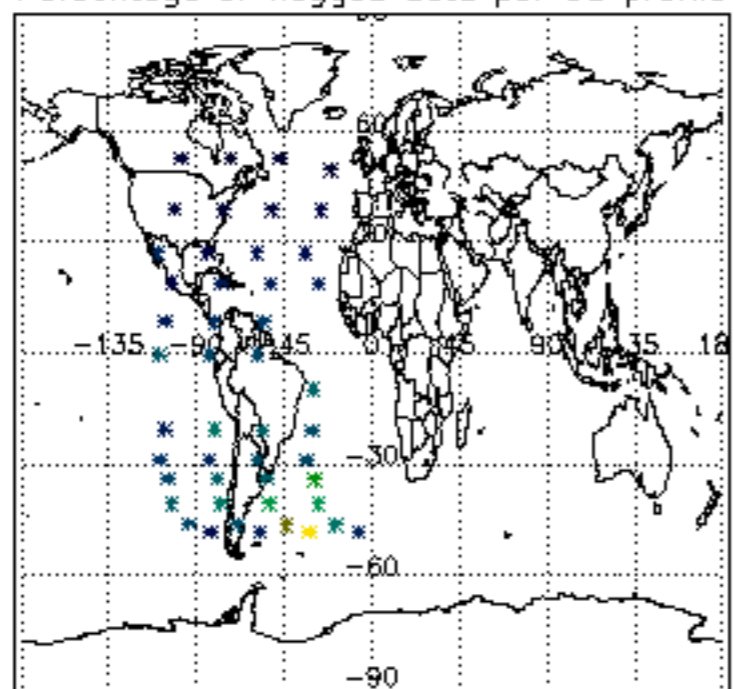




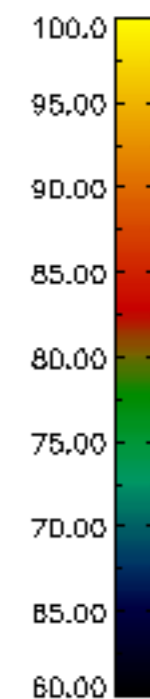
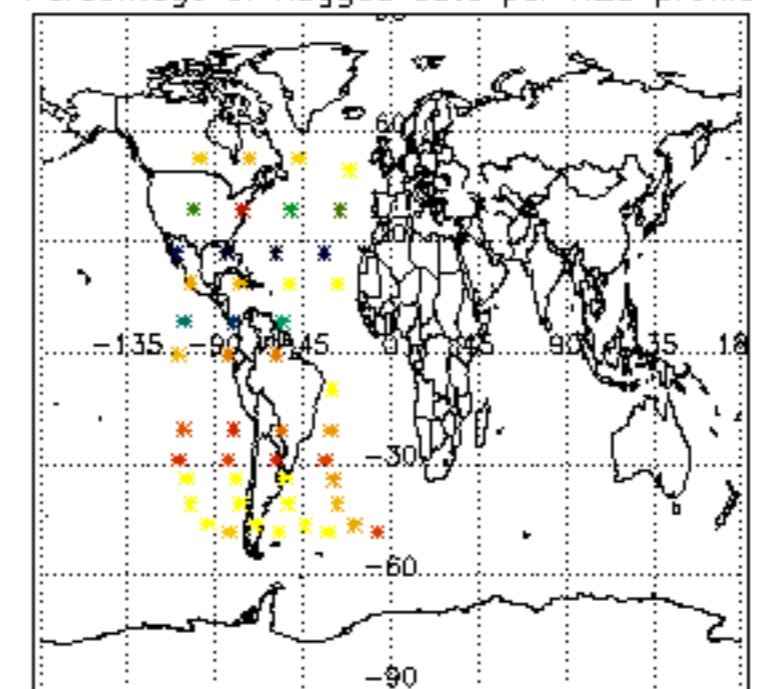




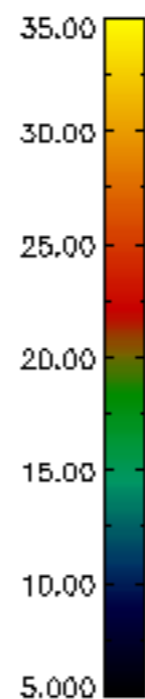
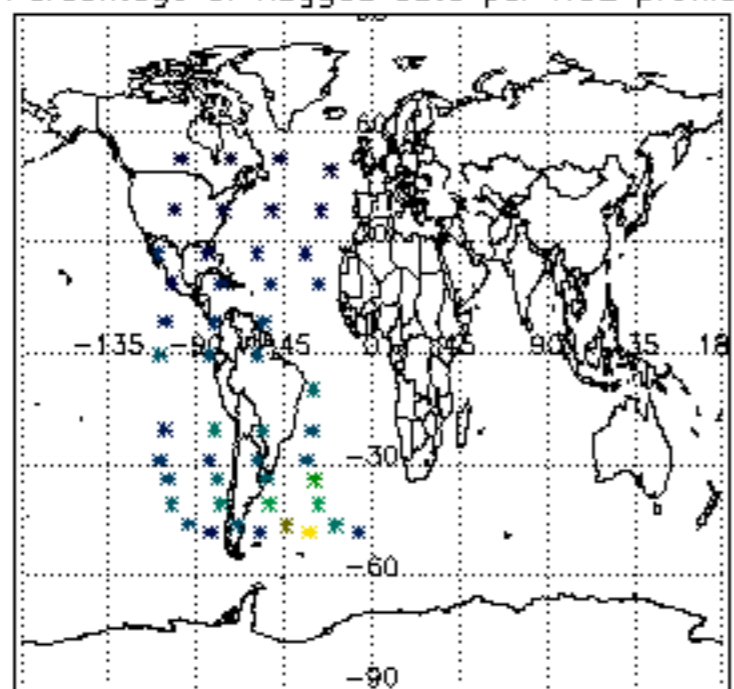
Percentage of flagged data per D3 profile



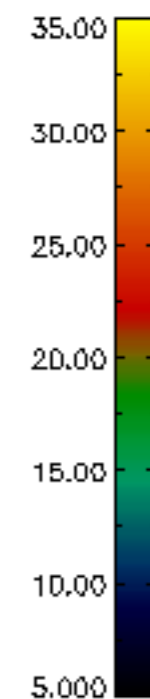
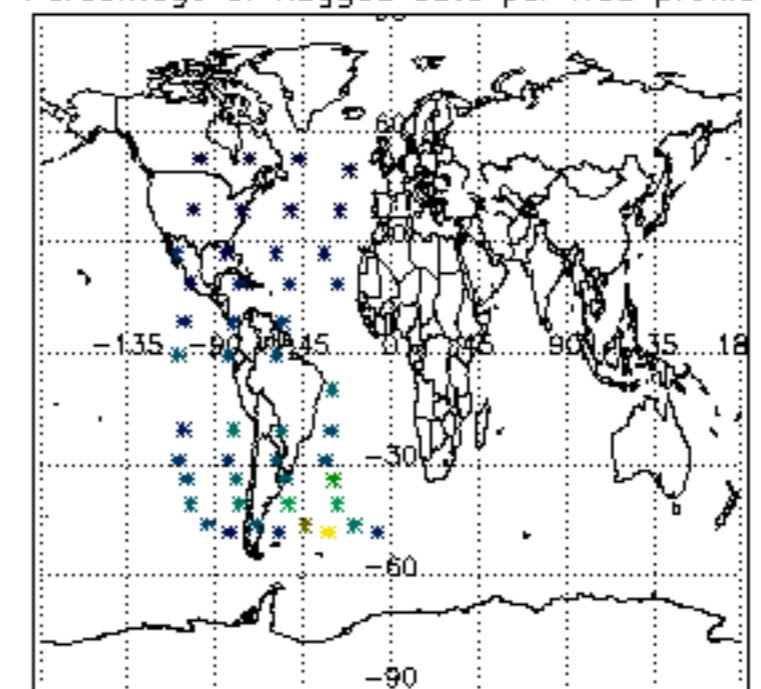
Percentage of flagged data per H2O profile

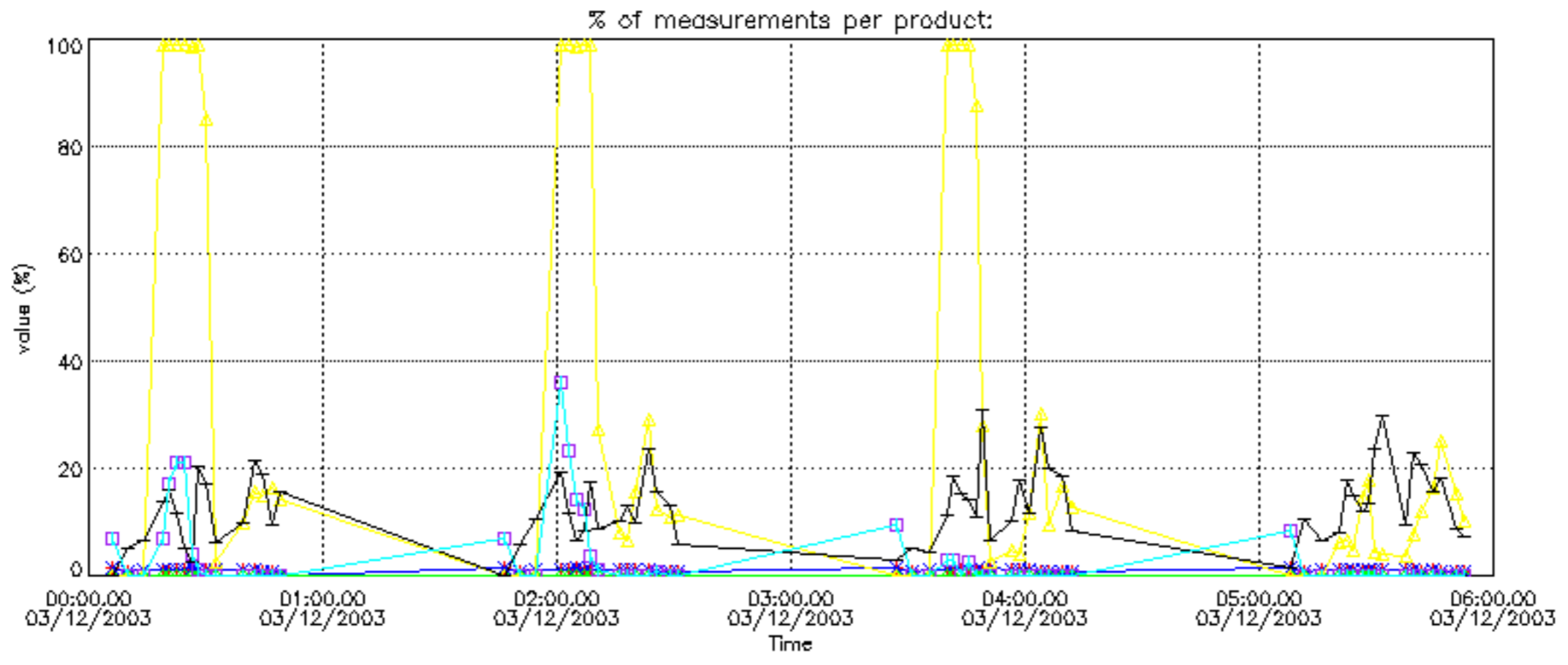


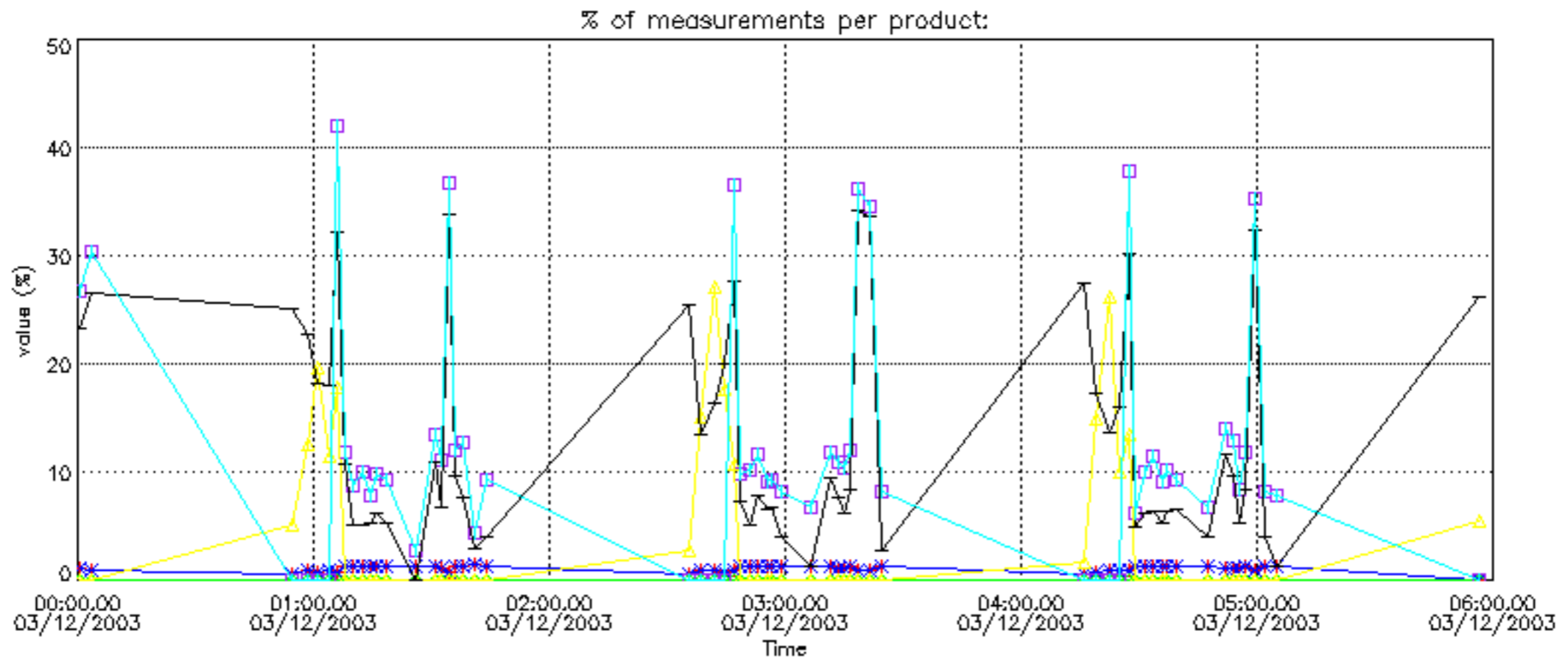
Percentage of flagged data per NO2 profile



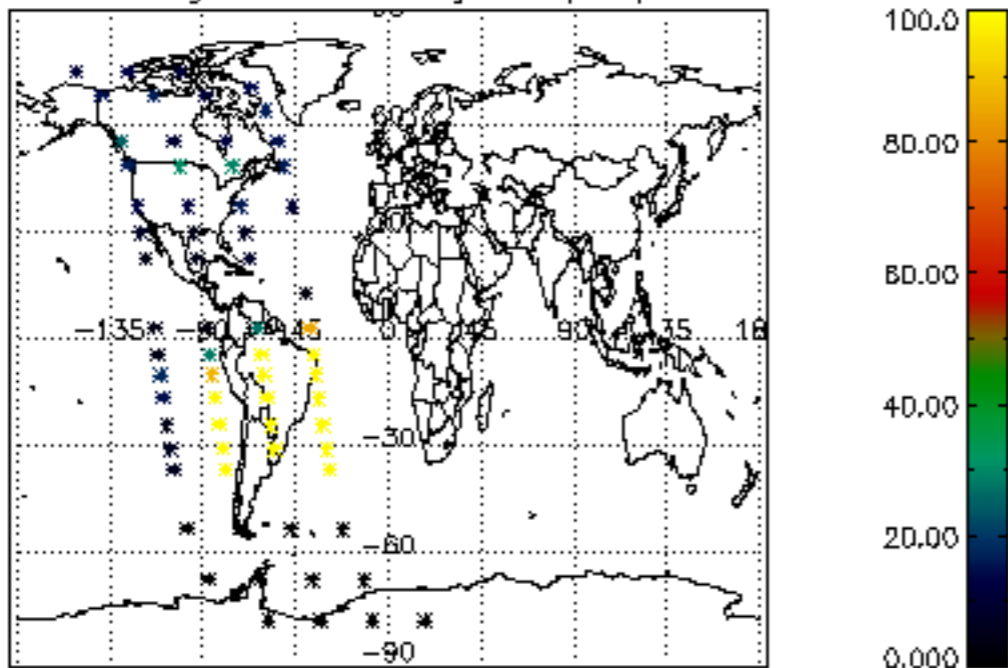
Percentage of flagged data per NO3 profile



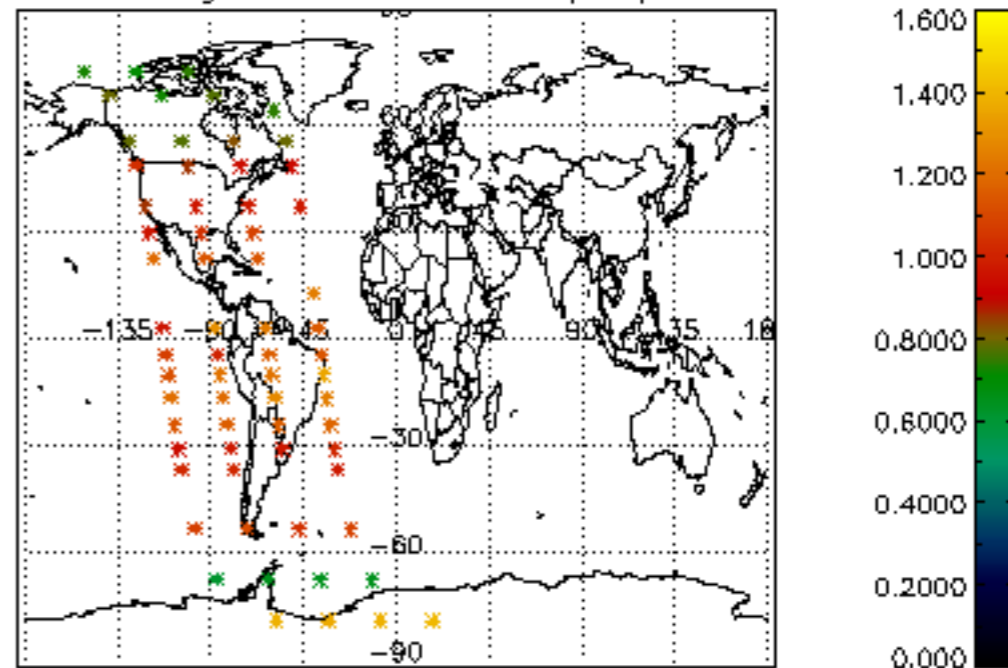




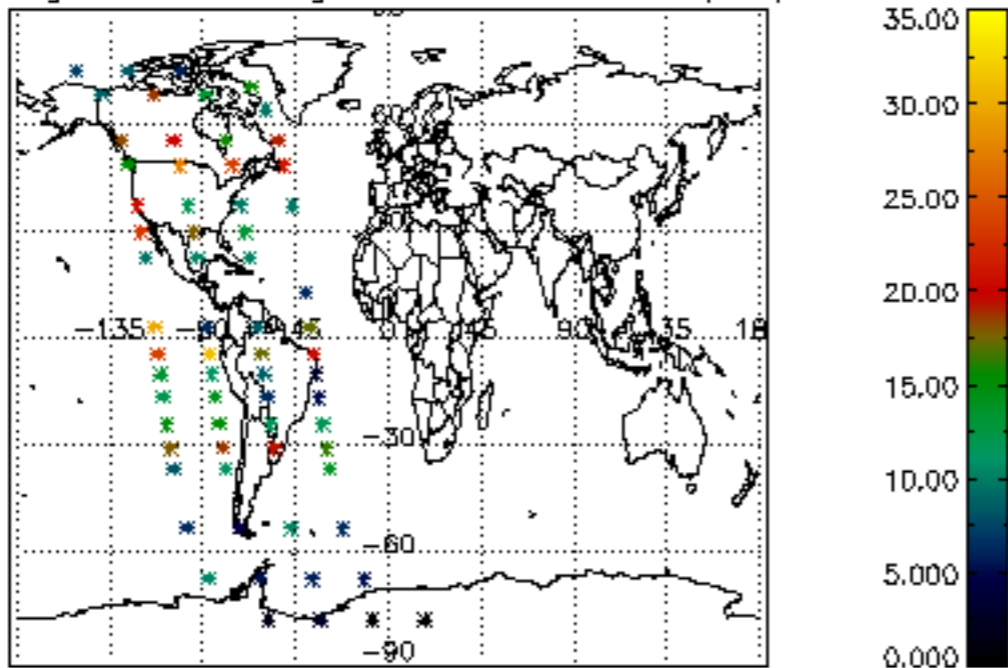
Percentage of cosmic ray hits per profile



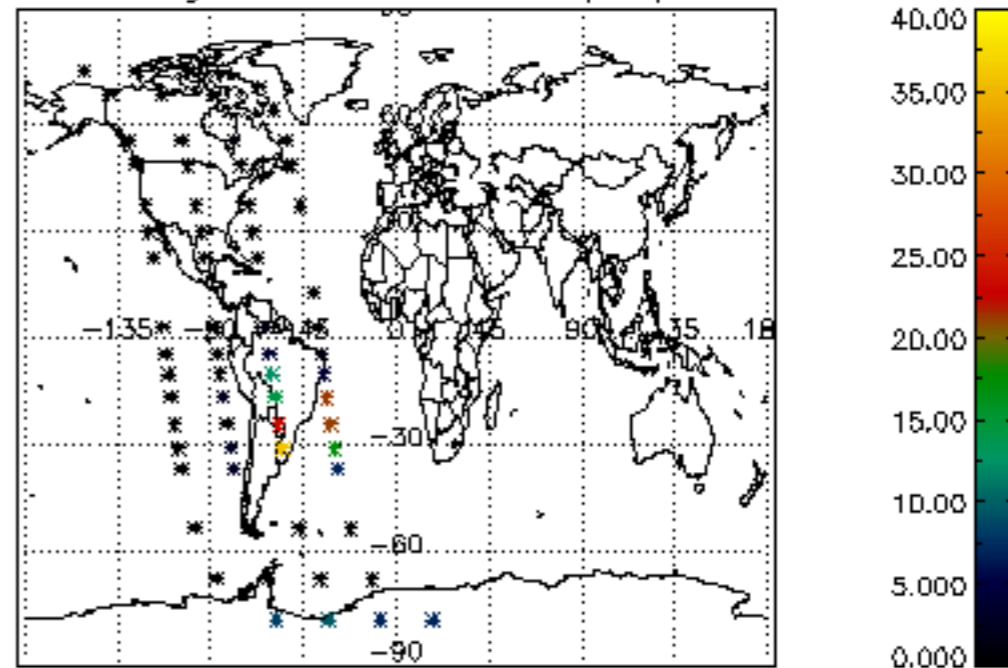
Percentage of datation errors per profile



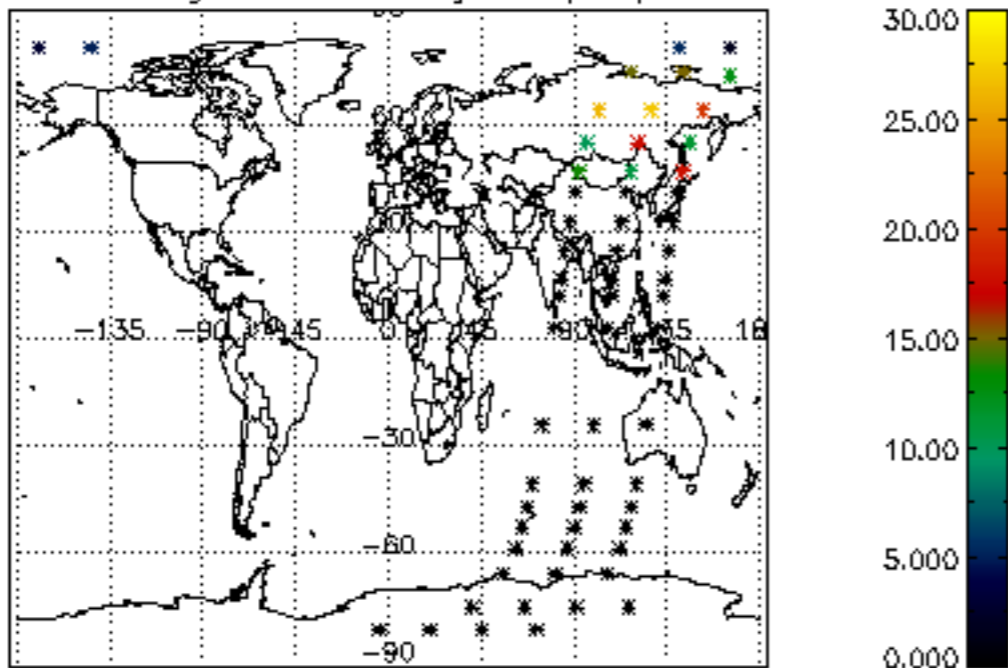
Percentage of star falling outside central band per profile



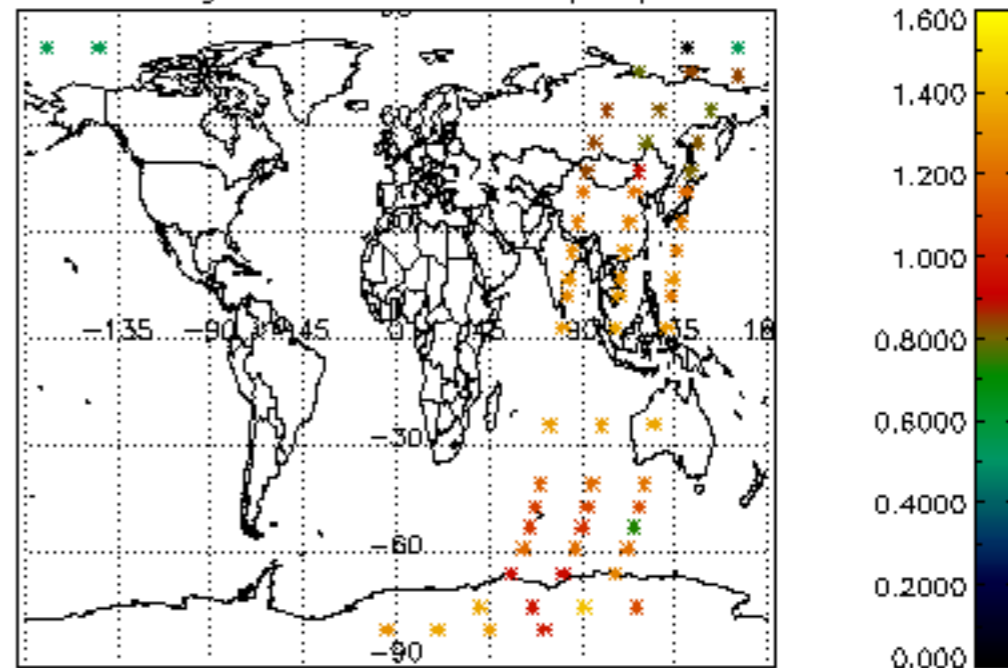
Percentage of saturation errors per profile



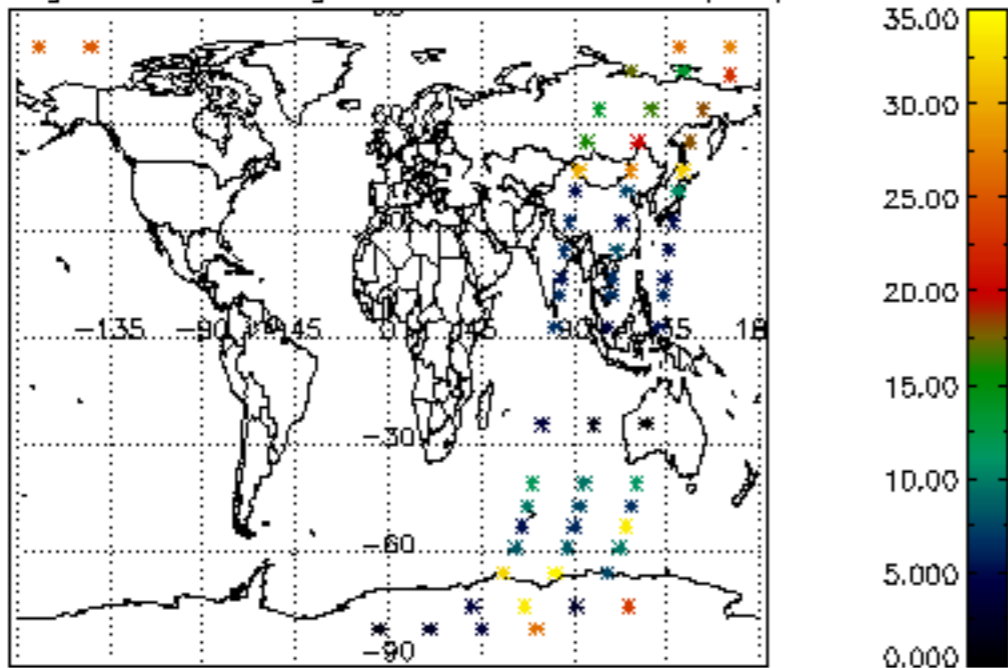
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

