

# 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	26APR2013 10:43:40
Data source version	GOMOS/6.01
Start time of products	10-07-2009 (10JUL2009 00:00:00)
Stop time of products	11-07-2009 (11JUL2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	165
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__2PRFIN20090710_000931_000000412080_00345_38475_9325.N1	10-JUL-2009 00:09:31	Dark	40.500	94	92Alp Cet	2.5260	3100.0	81	38475	No
2	GOM_NL__2PRFIN20090710_003001_000000522080_00346_38476_9331.N1	10-JUL-2009 00:30:01	Dark	52.000	84	Alp Phe	2.3970	4500.0	104	38476	No
3	GOM_NL__2PRFIN20090710_003612_000000612080_00346_38476_9332.N1	10-JUL-2009 00:36:12	Straylight	60.500	63	Bet Gru	2.1500	2800.0	121	38476	No
4	GOM_NL__2PRFIN20090710_003757_000000492080_00346_38476_9333.N1	10-JUL-2009 00:37:57	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	38476	No
5	GOM_NL__2PRFIN20090710_004106_000000562080_00346_38476_9334.N1	10-JUL-2009 00:41:06	Straylight	55.500	172	Gam Gru	3.0030	13100.	111	38476	No
6	GOM_NL__2PRFIN20090710_010223_000000432080_00346_38476_9335.N1	10-JUL-2009 01:02:23	Bright	42.500	168	17Zet Aql	2.9860	11000.	85	38476	No
7	GOM_NL__2PRFIN20090710_011310_000000442080_00346_38476_9336.N1	10-JUL-2009 01:13:10	Bright	43.500	144	18Del Cyg	2.8600	11000.	87	38476	No
8	GOM_NL__2PRFIN20090710_012024_000000432080_00346_38476_9337.N1	10-JUL-2009 01:20:24	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	38476	No
9	GOM_NL__2PRFIN20090710_012755_000000472080_00346_38476_9338.N1	10-JUL-2009 01:27:55	Bright	47.000	74	11Bet Cas	2.2680	6600.0	94	38476	No
10	GOM_NL__2PRFIN20090710_012958_000000412080_00346_38476_9339.N1	10-JUL-2009 01:29:58	Bright	40.500	110	37Del Cas	2.6780	8900.0	81	38476	No
11	GOM_NL__2PRFIN20090710_013658_000000452080_00346_38476_9340.N1	10-JUL-2009 01:36:58	Bright	44.500	73	57Gam1And	2.2600	13100.	89	38476	No
12	GOM_NL__2PRFIN20090710_013957_000000462080_00346_38476_9341.N1	10-JUL-2009 01:39:57	Twilight	45.500	173	4Bet Tri	3.0040	8900.0	91	38476	No
13	GOM_NL__2PRFIN20090710_015008_000000422080_00346_38476_9342.N1	10-JUL-2009 01:50:08	Dark	41.500	94	92Alp Cet	2.5260	3100.0	83	38476	No
14	GOM_NL__2PRFIN20090710_021038_000000512080_00347_38477_9345.N1	10-JUL-2009 02:10:38	Dark	50.500	84	Alp Phe	2.3970	4500.0	101	38477	No
15	GOM_NL__2PRFIN20090710_021649_000000652080_00347_38477_9346.N1	10-JUL-2009 02:16:49	Straylight	65.000	63	Bet Gru	2.1500	2800.0	130	38477	No
16	GOM_NL__2PRFIN20090710_021834_000000552080_00347_38477_9347.N1	10-JUL-2009 02:18:34	Straylight	55.000	31	Alp Gru	1.7340	15200.	110	38477	No
17	GOM_NL__2PRFIN20090710_022143_000000552080_00347_38477_9348.N1	10-JUL-2009 02:21:43	Straylight	54.500	172	Gam Gru	3.0030	13100.	109	38477	No
18	GOM_NL__2PRFIN20090710_024258_000000432080_00347_38477_9349.N1	10-JUL-2009 02:42:58	Bright	43.000	168	17Zet Aql	2.9860	11000.	86	38477	No
19	GOM_NL__2PRFIN20090710_025345_000000412080_00347_38477_9350.N1	10-JUL-2009 02:53:45	Bright	41.000	144	18Del Cyg	2.8600	11000.	82	38477	No
20	GOM_NL__2PRFIN20090710_030059_000000472080_00347_38477_9351.N1	10-JUL-2009 03:00:59	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	38477	No
21	GOM_NL__2PRFIN20090710_030830_000000472080_00347_38477_9352.N1	10-JUL-2009 03:08:30	Bright	47.000	74	11Bet Cas	2.2680	6600.0	94	38477	No
22	GOM_NL__2PRFIN20090710_031033_000000412080_00347_38477_9353.N1	10-JUL-2009 03:10:33	Bright	41.000	110	37Del Cas	2.6780	8900.0	82	38477	No
23	GOM_NL__2PRFIN20090710_031734_000000442080_00347_38477_9354.N1	10-JUL-2009 03:17:34	Bright	44.000	73	57Gam1And	2.2600	13100.	88	38477	No
24	GOM_NL__2PRFIN20090710_032034_000000462080_00347_38477_9355.N1	10-JUL-2009 03:20:34	Twilight	45.500	173	4Bet Tri	3.0040	8900.0	91	38477	No
25	GOM_NL__2PRFIN20090710_033044_000000412080_00347_38477_9356.N1	10-JUL-2009 03:30:44	Dark	41.000	94	92Alp Cet	2.5260	3100.0	82	38477	No
26	GOM_NL__2PRFIN20090710_035115_000000512080_00348_38478_9360.N1	10-JUL-2009 03:51:15	Dark	50.500	84	Alp Phe	2.3970	4500.0	101	38478	No
27	GOM_NL__2PRFIN20090710_035726_000000652080_00348_38478_9361.N1	10-JUL-2009 03:57:26	Straylight	65.000	63	Bet Gru	2.1500	2800.0	130	38478	No
28	GOM_NL__2PRFIN20090710_035911_000000492080_00348_38478_9362.N1	10-JUL-2009 03:59:11	Straylight	49.000	31	Alp Gru	1.7340	15200.	98	38478	No
29	GOM_NL__2PRFIN20090710_040220_000000562080_00348_38478_9363.N1	10-JUL-2009 04:02:20	Straylight	55.500	172	Gam Gru	3.0030	13100.	111	38478	No
30	GOM_NL__2PRFIN20090710_042334_000000422080_00348_38478_9364.N1	10-JUL-2009 04:23:34	Bright	42.000	168	17Zet Aql	2.9860	11000.	84	38478	No
31	GOM_NL__2PRFIN20090710_043420_000000442080_00348_38478_9365.N1	10-JUL-2009 04:34:20	Bright	43.500	144	18Del Cyg	2.8600	11000.	87	38478	No
32	GOM_NL__2PRFIN20090710_044134_000000462080_00348_38478_9366.N1	10-JUL-2009 04:41:34	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	38478	No
33	GOM_NL__2PRFIN20090710_044906_000000722080_00348_38478_9367.N1	10-JUL-2009 04:49:06	Bright	72.000	74	11Bet Cas	2.2680	6600.0	144	38478	No
34	GOM_NL__2PRFIN20090710_045109_000000492080_00348_38478_9368.N1	10-JUL-2009 04:51:09	Bright	48.500	110	37Del Cas	2.6780	8900.0	97	38478	No
35	GOM_NL__2PRFIN20090710_045810_000000452080_00348_38478_9369.N1	10-JUL-2009 04:58:10	Bright	44.500	73	57Gam1And	2.2600	13100.	89	38478	No
36	GOM_NL__2PRFIN20090710_050110_000000462080_00348_38478_9370.N1	10-JUL-2009 05:01:10	Twilight	45.500	173	4Bet Tri	3.0040	8900.0	91	38478	No
37	GOM_NL__2PRFIN20090710_051121_000000422080_00348_38478_9371.N1	10-JUL-2009 05:11:21	Dark	42.000	94	92Alp Cet	2.5260	3100.0	84	38478	No
38	GOM_NL__2PRFIN20090710_071230_000000522080_00350_38480_9395.N1	10-JUL-2009 07:12:30	Dark	51.500	84	Alp Phe	2.3970	4500.0	103	38480	No
39	GOM_NL__2PRFIN20090710_071840_000000652080_00350_38480_9396.N1	10-JUL-2009 07:18:40	Straylight	64.500	63	Bet Gru	2.1500	2800.0	129	38480	No
40	GOM_NL__2PRFIN20090710_072024_000000532080_00350_38480_9397.N1	10-JUL-2009 07:20:24	Straylight	52.500	31	Alp Gru	1.7340	15200.	105	38480	No
41	GOM_NL__2PRFIN20090710_072334_000000532080_00350_38480_9398.N1	10-JUL-2009 07:23:34	Straylight	53.000	172	Gam Gru	3.0030	13100.	106	38480	No
42	GOM_NL__2PRFIN20090710_074446_000000412080_00350_38480_9399.N1	10-JUL-2009 07:44:46	Bright	41.000	168	17Zet Aql	2.9860	11000.	82	38480	No

43	GOM_NL__2PRFIN20090710_075531_000000452080_00350_38480_9400.N1	10-JUL-2009 07:55:31	Bright	45.000	144	18Del Cyg	2.8600	11000.	90	38480	No
44	GOM_NL__2PRFIN20090710_080245_000000442080_00350_38480_9401.N1	10-JUL-2009 08:02:45	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	38480	No
45	GOM_NL__2PRFIN20090710_081016_000000472080_00350_38480_9402.N1	10-JUL-2009 08:10:16	Bright	47.000	74	11Bet Cas	2.2680	6600.0	94	38480	No
46	GOM_NL__2PRFIN20090710_081220_000000422080_00350_38480_9403.N1	10-JUL-2009 08:12:20	Bright	42.000	110	37Del Cas	2.6780	8900.0	84	38480	No
47	GOM_NL__2PRFIN20090710_081921_000000452080_00350_38480_9404.N1	10-JUL-2009 08:19:21	Bright	44.500	73	57Gam1And	2.2600	13100.	89	38480	No
48	GOM_NL__2PRFIN20090710_082222_000000462080_00350_38480_9405.N1	10-JUL-2009 08:22:22	Twi_and_stray	46.000	173	4Bet Tri	3.0040	8900.0	92	38480	No
49	GOM_NL__2PRFIN20090710_083234_000000432080_00350_38480_9406.N1	10-JUL-2009 08:32:34	Dark	43.000	94	92Alp Cet	2.5260	3100.0	86	38480	No
50	GOM_NL__2PRFIN20090710_085307_000000512080_00351_38481_9410.N1	10-JUL-2009 08:53:07	Dark	51.000	84	Alp Phe	2.3970	4500.0	102	38481	No
51	GOM_NL__2PRFIN20090710_085916_000000552080_00351_38481_9411.N1	10-JUL-2009 08:59:16	Straylight	55.000	63	Bet Gru	2.1500	2800.0	110	38481	No
52	GOM_NL__2PRFIN20090710_090101_000000502080_00351_38481_9412.N1	10-JUL-2009 09:01:01	Straylight	50.000	31	Alp Gru	1.7340	15200.	100	38481	No
53	GOM_NL__2PRFIN20090710_090410_000000542080_00351_38481_9413.N1	10-JUL-2009 09:04:10	Straylight	54.000	172	Gam Gru	3.0030	13100.	108	38481	No
54	GOM_NL__2PRFIN20090710_092521_000000622080_00351_38481_9414.N1	10-JUL-2009 09:25:21	Bright	62.000	168	17Zet Aql	2.9860	11000.	124	38481	No
55	GOM_NL__2PRFIN20090710_093606_000000452080_00351_38481_9415.N1	10-JUL-2009 09:36:06	Bright	45.000	144	18Del Cyg	2.8600	11000.	90	38481	No
56	GOM_NL__2PRFIN20090710_094320_000000422080_00351_38481_9416.N1	10-JUL-2009 09:43:20	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	38481	No
57	GOM_NL__2PRFIN20090710_095052_000000472080_00351_38481_9417.N1	10-JUL-2009 09:50:52	Bright	47.000	74	11Bet Cas	2.2680	6600.0	94	38481	No
58	GOM_NL__2PRFIN20090710_095256_000000392080_00351_38481_9418.N1	10-JUL-2009 09:52:56	Bright	39.000	110	37Del Cas	2.6780	8900.0	78	38481	No
59	GOM_NL__2PRFIN20090710_095957_000000452080_00351_38481_9419.N1	10-JUL-2009 09:59:57	Bright	45.000	73	57Gam1And	2.2600	13100.	90	38481	No
60	GOM_NL__2PRFIN20090710_100257_000000462080_00351_38481_9420.N1	10-JUL-2009 10:02:57	Twi_and_stray	45.500	173	4Bet Tri	3.0040	8900.0	91	38481	No
61	GOM_NL__2PRFIN20090710_101310_000000432080_00351_38481_9421.N1	10-JUL-2009 10:13:10	Dark	43.000	94	92Alp Cet	2.5260	3100.0	86	38481	No
62	GOM_NL__2PRFIN20090710_103344_000000502080_00352_38482_9424.N1	10-JUL-2009 10:33:44	Dark	49.500	84	Alp Phe	2.3970	4500.0	99	38482	No
63	GOM_NL__2PRFIN20090710_103953_000000582080_00352_38482_9425.N1	10-JUL-2009 10:39:53	Straylight	58.000	63	Bet Gru	2.1500	2800.0	116	38482	No
64	GOM_NL__2PRFIN20090710_104138_000000492080_00352_38482_9426.N1	10-JUL-2009 10:41:38	Straylight	49.000	31	Alp Gru	1.7340	15200.	98	38482	No
65	GOM_NL__2PRFIN20090710_104447_000000542080_00352_38482_9427.N1	10-JUL-2009 10:44:47	Straylight	54.000	172	Gam Gru	3.0030	13100.	108	38482	No
66	GOM_NL__2PRFIN20090710_110557_000000572080_00352_38482_9428.N1	10-JUL-2009 11:05:57	Bright	57.000	168	17Zet Aql	2.9860	11000.	114	38482	No
67	GOM_NL__2PRFIN20090710_111641_000000472080_00352_38482_9429.N1	10-JUL-2009 11:16:41	Bright	46.500	144	18Del Cyg	2.8600	11000.	93	38482	No
68	GOM_NL__2PRFIN20090710_112355_000000422080_00352_38482_9430.N1	10-JUL-2009 11:23:55	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	38482	No
69	GOM_NL__2PRFIN20090710_113127_000000482080_00352_38482_9431.N1	10-JUL-2009 11:31:27	Bright	48.000	74	11Bet Cas	2.2680	6600.0	96	38482	No
70	GOM_NL__2PRFIN20090710_113331_000000402080_00352_38482_9432.N1	10-JUL-2009 11:33:31	Bright	40.000	110	37Del Cas	2.6780	8900.0	80	38482	No
71	GOM_NL__2PRFIN20090710_113713_000000342080_00352_38482_9433.N1	10-JUL-2009 11:37:13	Bright	34.000	160	23Gam Per	2.9300	4700.0	68	38482	No
72	GOM_NL__2PRFIN20090710_114033_000000452080_00352_38482_9434.N1	10-JUL-2009 11:40:33	Bright	44.500	73	57Gam1And	2.2600	13100.	89	38482	No
73	GOM_NL__2PRFIN20090710_114333_000000462080_00352_38482_9435.N1	10-JUL-2009 11:43:33	Twi_and_stray	46.000	173	4Bet Tri	3.0040	8900.0	92	38482	No
74	GOM_NL__2PRFIN20090710_115347_000000432080_00352_38482_9436.N1	10-JUL-2009 11:53:47	Dark	42.500	94	92Alp Cet	2.5260	3100.0	85	38482	No
75	GOM_NL__2PRFIN20090710_121420_000000502080_00353_38483_9459.N1	10-JUL-2009 12:14:20	Dark	50.000	84	Alp Phe	2.3970	4500.0	100	38483	No
76	GOM_NL__2PRFIN20090710_122030_000000542080_00353_38483_9460.N1	10-JUL-2009 12:20:30	Straylight	54.000	63	Bet Gru	2.1500	2800.0	108	38483	No
77	GOM_NL__2PRFIN20090710_122214_000000502080_00353_38483_9461.N1	10-JUL-2009 12:22:14	Straylight	49.500	31	Alp Gru	1.7340	15200.	99	38483	No
78	GOM_NL__2PRFIN20090710_122524_000000542080_00353_38483_9462.N1	10-JUL-2009 12:25:24	Straylight	54.000	172	Gam Gru	3.0030	13100.	108	38483	No
79	GOM_NL__2PRFIN20090710_124632_000000432080_00353_38483_9463.N1	10-JUL-2009 12:46:32	Bright	42.500	168	17Zet Aql	2.9860	11000.	85	38483	No
80	GOM_NL__2PRFIN20090710_125717_000000442080_00353_38483_9464.N1	10-JUL-2009 12:57:17	Bright	43.500	144	18Del Cyg	2.8600	11000.	87	38483	No
81	GOM_NL__2PRFIN20090710_130431_000000452080_00353_38483_9465.N1	10-JUL-2009 13:04:31	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	38483	No
82	GOM_NL__2PRFIN20090710_131202_000000462080_00353_38483_9466.N1	10-JUL-2009 13:12:02	Bright	46.000	74	11Bet Cas	2.2680	6600.0	92	38483	No
83	GOM_NL__2PRFIN20090710_131747_000000352080_00353_38483_9467.N1	10-JUL-2009 13:17:47	Bright	35.000	160	23Gam Per	2.9300	4700.0	70	38483	No
84	GOM_NL__2PRFIN20090710_132109_000000452080_00353_38483_9468.N1	10-JUL-2009 13:21:09	Bright	44.500	73	57Gam1And	2.2600	13100.	89	38483	No
85	GOM_NL__2PRFIN20090710_132409_000000462080_00353_38483_9469.N1	10-JUL-2009 13:24:09	Twi_and_stray	45.500	173	4Bet Tri	3.0040	8900.0	91	38483	No
86	GOM_NL__2PRFIN20090710_133424_000000412080_00353_38483_9470.N1	10-JUL-2009 13:34:24	Dark	41.000	94	92Alp Cet	2.5260	3100.0	82	38483	No
87	GOM_NL__2PRFIN20090710_135458_000000532080_00354_38484_9473.N1	10-JUL-2009 13:54:58	Dark	52.500	84	Alp Phe	2.3970	4500.0	105	38484	No
88	GOM_NL__2PRFIN20090710_140107_000000532080_00354_38484_9474.N1	10-JUL-2009 14:01:07	Straylight	53.000	63	Bet Gru	2.1500	2800.0	106	38484	No
89	GOM_NL__2PRFIN20090710_140251_000000542080_00354_38484_9475.N1	10-JUL-2009 14:02:51	Straylight	53.500	31	Alp Gru	1.7340	15200.	107	38484	No
90	GOM_NL__2PRFIN20090710_140600_000000532080_00354_38484_9476.N1	10-JUL-2009 14:06:00	Straylight	53.000	172	Gam Gru	3.0030	13100.	106	38484	No
91	GOM_NL__2PRFIN20090710_142708_000000412080_00354_38484_9477.N1	10-JUL-2009 14:27:08	Bright	41.000	168	17Zet Aql	2.9860	11000.	82	38484	No
92	GOM_NL__2PRFIN20090710_143752_000000452080_00354_38484_9478.N1	10-JUL-2009 14:37:52	Bright	44.500	144	18Del Cyg	2.8600	11000.	89	38484	No
93	GOM_NL__2PRFIN20090710_144506_000000472080_00354_38484_9479.N1	10-JUL-2009 14:45:06	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	38484	No
94	GOM_NL__2PRFIN20090710_145238_000000452080_00354_38484_9480.N1	10-JUL-2009 14:52:38	Bright	45.000	74	11Bet Cas	2.2680	6600.0	90	38484	No
95	GOM_NL__2PRFIN20090710_145442_000000412080_00354_38484_9481.N1	10-JUL-2009 14:54:42	Bright	40.500	110	37Del Cas	2.6780	8900.0	81	38484	No
96	GOM_NL__2PRFIN20090710_145823_000000362080_00354_38484_9482.N1	10-JUL-2009 14:58:23	Bright	35.500	160	23Gam Per	2.9300	4700.0	71	38484	No
97	GOM_NL__2PRFIN20090710_150145_000000442080_00354_38484_9483.N1	10-JUL-2009 15:01:45	Bright	44.000	73	57Gam1And	2.2600	13100.	88	38484	No
98	GOM_NL__2PRFIN20090710_150445_000000462080_00354_38484_9484.N1	10-JUL-2009 15:04:45	Twi_and_stray	45.500	173	4Bet Tri	3.0040	8900.0	91	38484	No
99	GOM_NL__2PRFIN20090710_151500_000000422080_00354_38484_9485.N1	10-JUL-2009 15:15:00	Dark	42.000	94	92Alp Cet	2.5260	3100.0	84	38484	No
100	GOM_NL__2PRFIN20090710_153535_000000522080_00355_38485_9487.N1	10-JUL-2009 15:35:35	Dark	51.500	84	Alp Phe	2.3970	4500.0	103	38485	No
101	GOM_NL__2PRFIN20090710_154143_000000512080_00355_38485_9488.N1	10-JUL-2009 15:41:43	Straylight	51.000	63	Bet Gru	2.1500	2800.0	102	38485	No

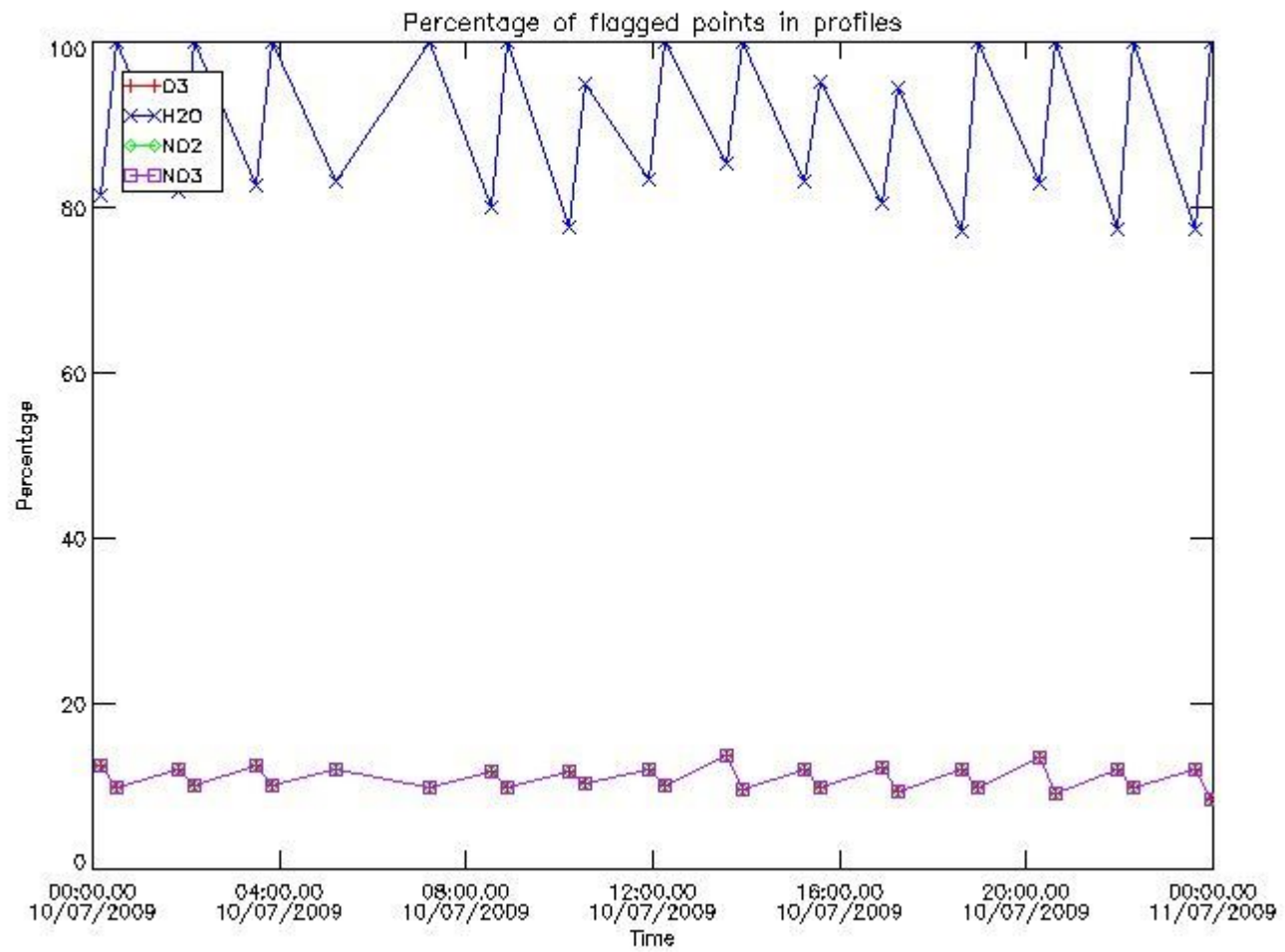
102	GOM_NL__2PRFIN20090710_154328_000000482080_00355_38485_9489.N1	10-JUL-2009 15:43:28	Straylight	48.000	31	Alp Gru	1.7340	15200.	96	38485	No
103	GOM_NL__2PRFIN20090710_154637_000000542080_00355_38485_9490.N1	10-JUL-2009 15:46:37	Straylight	54.000	172	Gam Gru	3.0030	13100.	108	38485	No
104	GOM_NL__2PRFIN20090710_160744_000000422080_00355_38485_9491.N1	10-JUL-2009 16:07:44	Bright	42.000	168	17Zet Aql	2.9860	11000.	84	38485	No
105	GOM_NL__2PRFIN20090710_161827_000000452080_00355_38485_9492.N1	10-JUL-2009 16:18:27	Bright	45.000	144	18Del Cyg	2.8600	11000.	90	38485	No
106	GOM_NL__2PRFIN20090710_162542_000000452080_00355_38485_9493.N1	10-JUL-2009 16:25:42	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	38485	No
107	GOM_NL__2PRFIN20090710_163313_000000492080_00355_38485_9494.N1	10-JUL-2009 16:33:13	Bright	48.500	74	11Bet Cas	2.2680	6600.0	97	38485	No
108	GOM_NL__2PRFIN20090710_163518_000000392080_00355_38485_9495.N1	10-JUL-2009 16:35:18	Bright	39.000	110	37Del Cas	2.6780	8900.0	78	38485	No
109	GOM_NL__2PRFIN20090710_163859_000000372080_00355_38485_9496.N1	10-JUL-2009 16:38:59	Bright	36.500	160	23Gam Per	2.9300	4700.0	73	38485	No
110	GOM_NL__2PRFIN20090710_164220_000000442080_00355_38485_9497.N1	10-JUL-2009 16:42:20	Bright	43.500	73	57Gam1And	2.2600	13100.	87	38485	No
111	GOM_NL__2PRFIN20090710_164522_000000452080_00355_38485_9498.N1	10-JUL-2009 16:45:22	Tw_i_and_stray	45.000	173	4Bet Tri	3.0040	8900.0	90	38485	No
112	GOM_NL__2PRFIN20090710_165537_000000422080_00355_38485_9499.N1	10-JUL-2009 16:55:37	Dark	41.500	94	92Alp Cet	2.5260	3100.0	83	38485	No
113	GOM_NL__2PRFIN20090710_171612_000000552080_00356_38486_9524.N1	10-JUL-2009 17:16:12	Dark	54.500	84	Alp Phe	2.3970	4500.0	109	38486	No
114	GOM_NL__2PRFIN20090710_172220_000000542080_00356_38486_9525.N1	10-JUL-2009 17:22:20	Straylight	54.000	63	Bet Gru	2.1500	2800.0	108	38486	No
115	GOM_NL__2PRFIN20090710_172404_000000502080_00356_38486_9526.N1	10-JUL-2009 17:24:04	Straylight	50.000	31	Alp Gru	1.7340	15200.	100	38486	No
116	GOM_NL__2PRFIN20090710_172714_000000542080_00356_38486_9527.N1	10-JUL-2009 17:27:14	Straylight	53.500	172	Gam Gru	3.0030	13100.	107	38486	No
117	GOM_NL__2PRFIN20090710_174820_000000442080_00356_38486_9528.N1	10-JUL-2009 17:48:20	Bright	43.500	168	17Zet Aql	2.9860	11000.	87	38486	No
118	GOM_NL__2PRFIN20090710_175903_000000442080_00356_38486_9529.N1	10-JUL-2009 17:59:03	Bright	43.500	144	18Del Cyg	2.8600	11000.	87	38486	No
119	GOM_NL__2PRFIN20090710_180617_000000462080_00356_38486_9530.N1	10-JUL-2009 18:06:17	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	38486	No
120	GOM_NL__2PRFIN20090710_181348_000000482080_00356_38486_9531.N1	10-JUL-2009 18:13:48	Bright	47.500	74	11Bet Cas	2.2680	6600.0	95	38486	No
121	GOM_NL__2PRFIN20090710_181553_000000412080_00356_38486_9532.N1	10-JUL-2009 18:15:53	Bright	41.000	110	37Del Cas	2.6780	8900.0	82	38486	No
122	GOM_NL__2PRFIN20090710_181934_000000362080_00356_38486_9533.N1	10-JUL-2009 18:19:34	Bright	36.000	160	23Gam Per	2.9300	4700.0	72	38486	No
123	GOM_NL__2PRFIN20090710_182256_000000452080_00356_38486_9534.N1	10-JUL-2009 18:22:56	Bright	44.500	73	57Gam1And	2.2600	13100.	89	38486	No
124	GOM_NL__2PRFIN20090710_182558_000000462080_00356_38486_9535.N1	10-JUL-2009 18:25:58	Tw_i_and_stray	46.000	173	4Bet Tri	3.0040	8900.0	92	38486	No
125	GOM_NL__2PRFIN20090710_183613_000000422080_00356_38486_9536.N1	10-JUL-2009 18:36:13	Dark	42.000	94	92Alp Cet	2.5260	3100.0	84	38486	No
126	GOM_NL__2PRFIN20090710_185649_000000522080_00357_38487_9539.N1	10-JUL-2009 18:56:49	Dark	51.500	84	Alp Phe	2.3970	4500.0	103	38487	No
127	GOM_NL__2PRFIN20090710_190257_000000522080_00357_38487_9540.N1	10-JUL-2009 19:02:57	Straylight	52.000	63	Bet Gru	2.1500	2800.0	104	38487	No
128	GOM_NL__2PRFIN20090710_190441_000000472080_00357_38487_9541.N1	10-JUL-2009 19:04:41	Straylight	46.500	31	Alp Gru	1.7340	15200.	93	38487	No
129	GOM_NL__2PRFIN20090710_190751_000000542080_00357_38487_9542.N1	10-JUL-2009 19:07:51	Straylight	53.500	172	Gam Gru	3.0030	13100.	107	38487	No
130	GOM_NL__2PRFIN20090710_192855_000000612080_00357_38487_9543.N1	10-JUL-2009 19:28:55	Bright	61.000	168	17Zet Aql	2.9860	11000.	122	38487	No
131	GOM_NL__2PRFIN20090710_193938_000000472080_00357_38487_9544.N1	10-JUL-2009 19:39:38	Bright	46.500	144	18Del Cyg	2.8600	11000.	93	38487	No
132	GOM_NL__2PRFIN20090710_194652_000000472080_00357_38487_9545.N1	10-JUL-2009 19:46:52	Bright	47.000	89	5Alp Cep	2.4510	8000.0	94	38487	No
133	GOM_NL__2PRFIN20090710_195424_000000492080_00357_38487_9546.N1	10-JUL-2009 19:54:24	Bright	48.500	74	11Bet Cas	2.2680	6600.0	97	38487	No
134	GOM_NL__2PRFIN20090710_195629_000000422080_00357_38487_9547.N1	10-JUL-2009 19:56:29	Bright	41.500	110	37Del Cas	2.6780	8900.0	83	38487	No
135	GOM_NL__2PRFIN20090710_200010_000000412080_00357_38487_9548.N1	10-JUL-2009 20:00:10	Bright	40.500	160	23Gam Per	2.9300	4700.0	81	38487	No
136	GOM_NL__2PRFIN20090710_200332_000000442080_00357_38487_9549.N1	10-JUL-2009 20:03:32	Bright	44.000	73	57Gam1And	2.2600	13100.	88	38487	No
137	GOM_NL__2PRFIN20090710_200633_000000462080_00357_38487_9550.N1	10-JUL-2009 20:06:33	Tw_i_and_stray	45.500	173	4Bet Tri	3.0040	8900.0	91	38487	No
138	GOM_NL__2PRFIN20090710_201650_000000422080_00357_38487_9551.N1	10-JUL-2009 20:16:50	Dark	41.500	94	92Alp Cet	2.5260	3100.0	83	38487	No
139	GOM_NL__2PRFIN20090710_203726_000000552080_00358_38488_9552.N1	10-JUL-2009 20:37:26	Dark	55.000	84	Alp Phe	2.3970	4500.0	110	38488	No
140	GOM_NL__2PRFIN20090710_204334_000000582080_00358_38488_9553.N1	10-JUL-2009 20:43:34	Straylight	57.500	63	Bet Gru	2.1500	2800.0	115	38488	No
141	GOM_NL__2PRFIN20090710_204518_000000582080_00358_38488_9554.N1	10-JUL-2009 20:45:18	Straylight	57.500	31	Alp Gru	1.7340	15200.	115	38488	No
142	GOM_NL__2PRFIN20090710_204828_000000532080_00358_38488_9555.N1	10-JUL-2009 20:48:28	Straylight	53.000	172	Gam Gru	3.0030	13100.	106	38488	No
143	GOM_NL__2PRFIN20090710_210931_000000422080_00358_38488_9556.N1	10-JUL-2009 21:09:31	Bright	41.500	168	17Zet Aql	2.9860	11000.	83	38488	No
144	GOM_NL__2PRFIN20090710_212013_000000462080_00358_38488_9557.N1	10-JUL-2009 21:20:13	Bright	45.500	144	18Del Cyg	2.8600	11000.	91	38488	No
145	GOM_NL__2PRFIN20090710_212727_000000472080_00358_38488_9558.N1	10-JUL-2009 21:27:27	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	38488	No
146	GOM_NL__2PRFIN20090710_213459_000000612080_00358_38488_9559.N1	10-JUL-2009 21:34:59	Bright	60.500	74	11Bet Cas	2.2680	6600.0	121	38488	No
147	GOM_NL__2PRFIN20090710_213705_000000402080_00358_38488_9560.N1	10-JUL-2009 21:37:05	Bright	40.000	110	37Del Cas	2.6780	8900.0	80	38488	No
148	GOM_NL__2PRFIN20090710_214046_000000362080_00358_38488_9561.N1	10-JUL-2009 21:40:46	Bright	36.000	160	23Gam Per	2.9300	4700.0	72	38488	No
149	GOM_NL__2PRFIN20090710_214408_000000452080_00358_38488_9562.N1	10-JUL-2009 21:44:08	Bright	45.000	73	57Gam1And	2.2600	13100.	90	38488	No
150	GOM_NL__2PRFIN20090710_214709_000000462080_00358_38488_9563.N1	10-JUL-2009 21:47:09	Tw_i_and_stray	46.000	173	4Bet Tri	3.0040	8900.0	92	38488	No
151	GOM_NL__2PRFIN20090710_215726_000000422080_00358_38488_9564.N1	10-JUL-2009 21:57:26	Dark	42.000	94	92Alp Cet	2.5260	3100.0	84	38488	No
152	GOM_NL__2PRFIN20090710_221803_000000522080_00359_38489_9574.N1	10-JUL-2009 22:18:03	Dark	52.000	84	Alp Phe	2.3970	4500.0	104	38489	No
153	GOM_NL__2PRFIN20090710_222411_000000542080_00359_38489_9575.N1	10-JUL-2009 22:24:11	Straylight	53.500	63	Bet Gru	2.1500	2800.0	107	38489	No
154	GOM_NL__2PRFIN20090710_222554_000000502080_00359_38489_9576.N1	10-JUL-2009 22:25:54	Straylight	50.000	31	Alp Gru	1.7340	15200.	100	38489	No
155	GOM_NL__2PRFIN20090710_222904_000000542080_00359_38489_9577.N1	10-JUL-2009 22:29:04	Straylight	54.000	172	Gam Gru	3.0030	13100.	108	38489	No
156	GOM_NL__2PRFIN20090710_225006_000000432080_00359_38489_9578.N1	10-JUL-2009 22:50:06	Bright	43.000	168	17Zet Aql	2.9860	11000.	86	38489	No
157	GOM_NL__2PRFIN20090710_230049_000000452080_00359_38489_9579.N1	10-JUL-2009 23:00:49	Bright	45.000	144	18Del Cyg	2.8600	11000.	90	38489	No
158	GOM_NL__2PRFIN20090710_230803_000000422080_00359_38489_9580.N1	10-JUL-2009 23:08:03	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	38489	No
159	GOM_NL__2PRFIN20090710_231534_000000482080_00359_38489_9581.N1	10-JUL-2009 23:15:34	Bright	48.000	74	11Bet Cas	2.2680	6600.0	96	38489	No
160	GOM_NL__2PRFIN20090710_231740_000000482080_00359_38489_9582.N1	10-JUL-2009 23:17:40	Bright	48.000	110	37Del Cas	2.6780	8900.0	96	38489	No

161	GOM_NL__2PRFIN20090710_232122_000000362080_00359_38489_9583.N1	10-JUL-2009 23:21:22	Bright	36.000	160	23Gam Per	2.9300	4700.0	72	38489	No
162	GOM_NL__2PRFIN20090710_232443_000000452080_00359_38489_9584.N1	10-JUL-2009 23:24:43	Bright	44.500	73	57Gam1And	2.2600	13100.	89	38489	No
163	GOM_NL__2PRFIN20090710_232745_000000462080_00359_38489_9585.N1	10-JUL-2009 23:27:45	Twilight_stray	46.000	173	4Bet Tri	3.0040	8900.0	92	38489	No
164	GOM_NL__2PRFIN20090710_233803_000000422080_00359_38489_9586.N1	10-JUL-2009 23:38:03	Dark	42.000	94	92Alp Cet	2.5260	3100.0	84	38489	No
165	GOM_NL__2PRFIN20090710_235840_000000612080_00360_38490_9591.N1	10-JUL-2009 23:58:40	Dark	60.500	84	Alp Phe	2.3970	4500.0	121	38490	No

### 3. Quality information per product

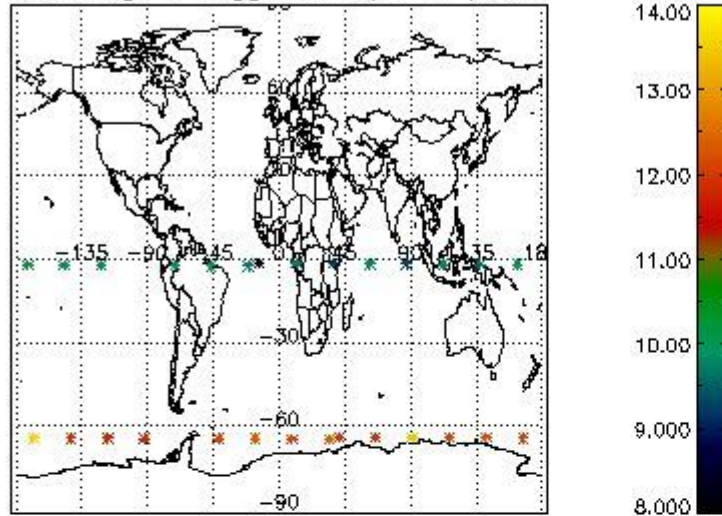
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

#### 3.1 Plot quality information per product (time dependant)

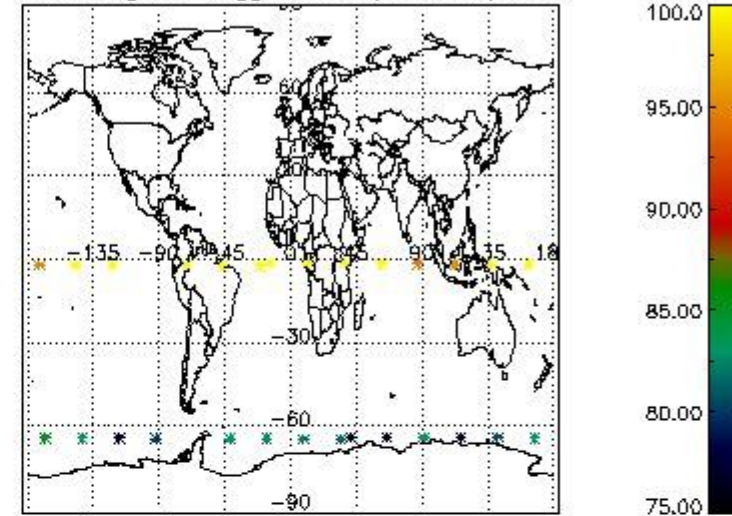


#### 3.2 Plot quality information per product (world map)

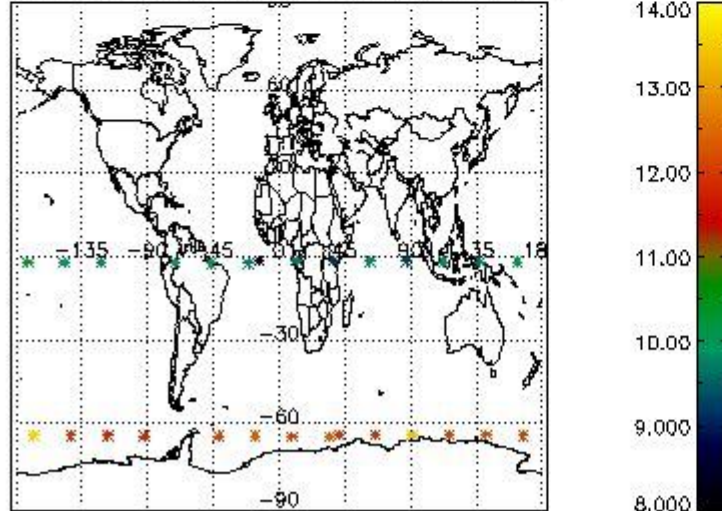
Percentage of flagged data per O3 profile



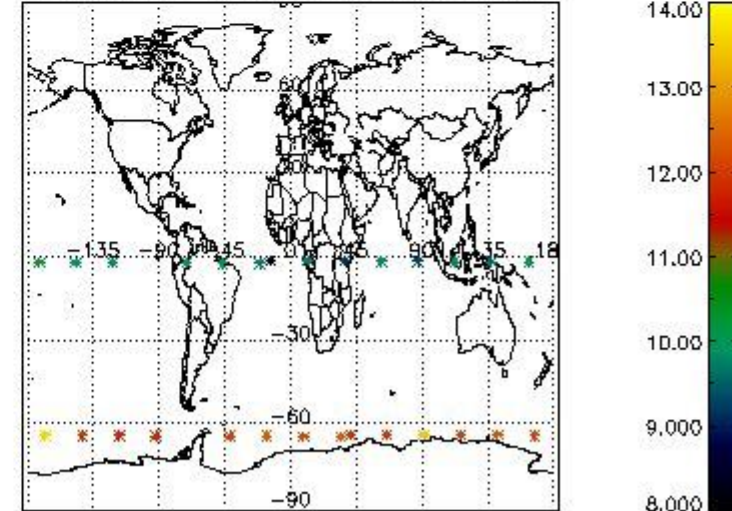
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

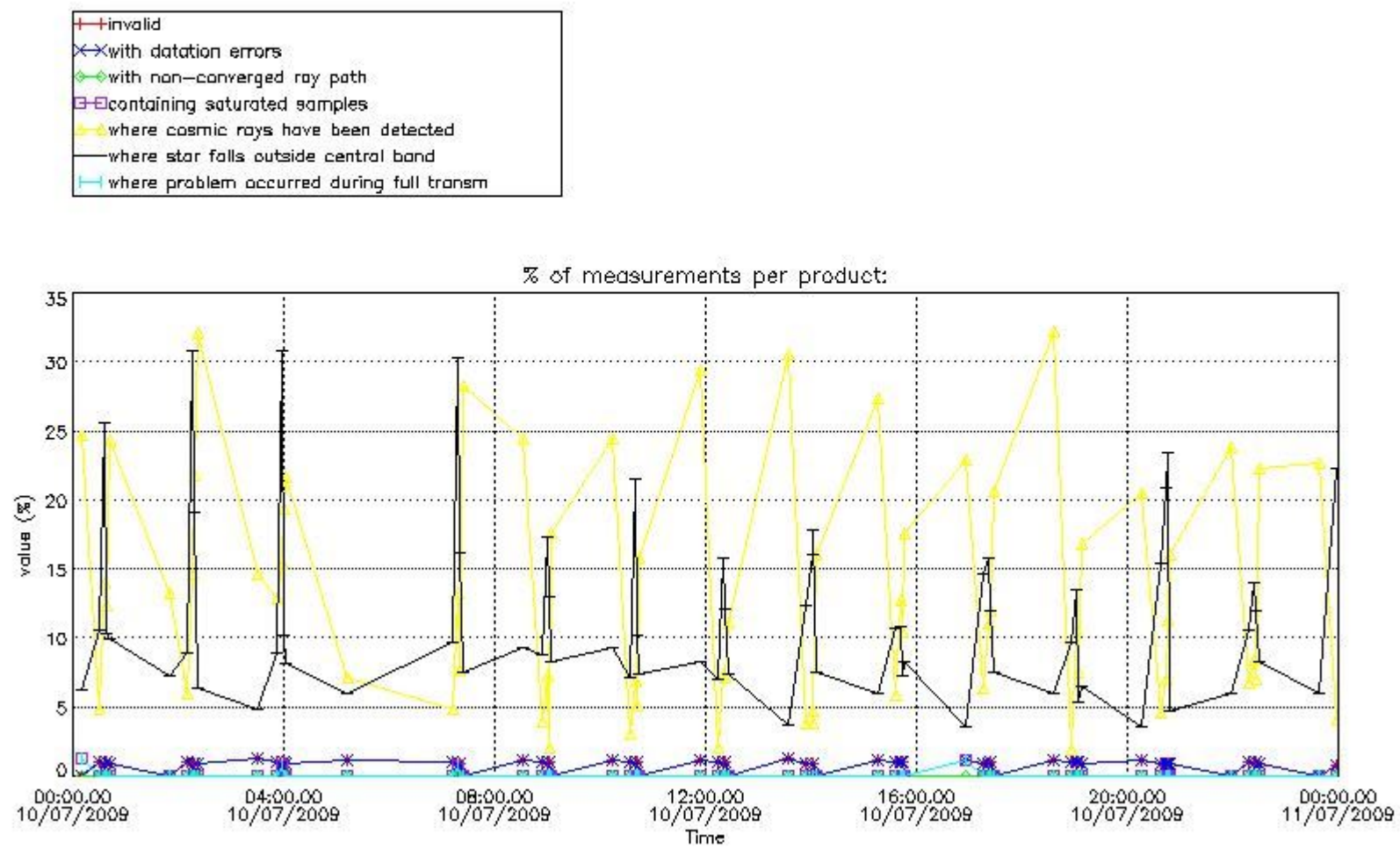


#### 4. Level 1 quality information per product

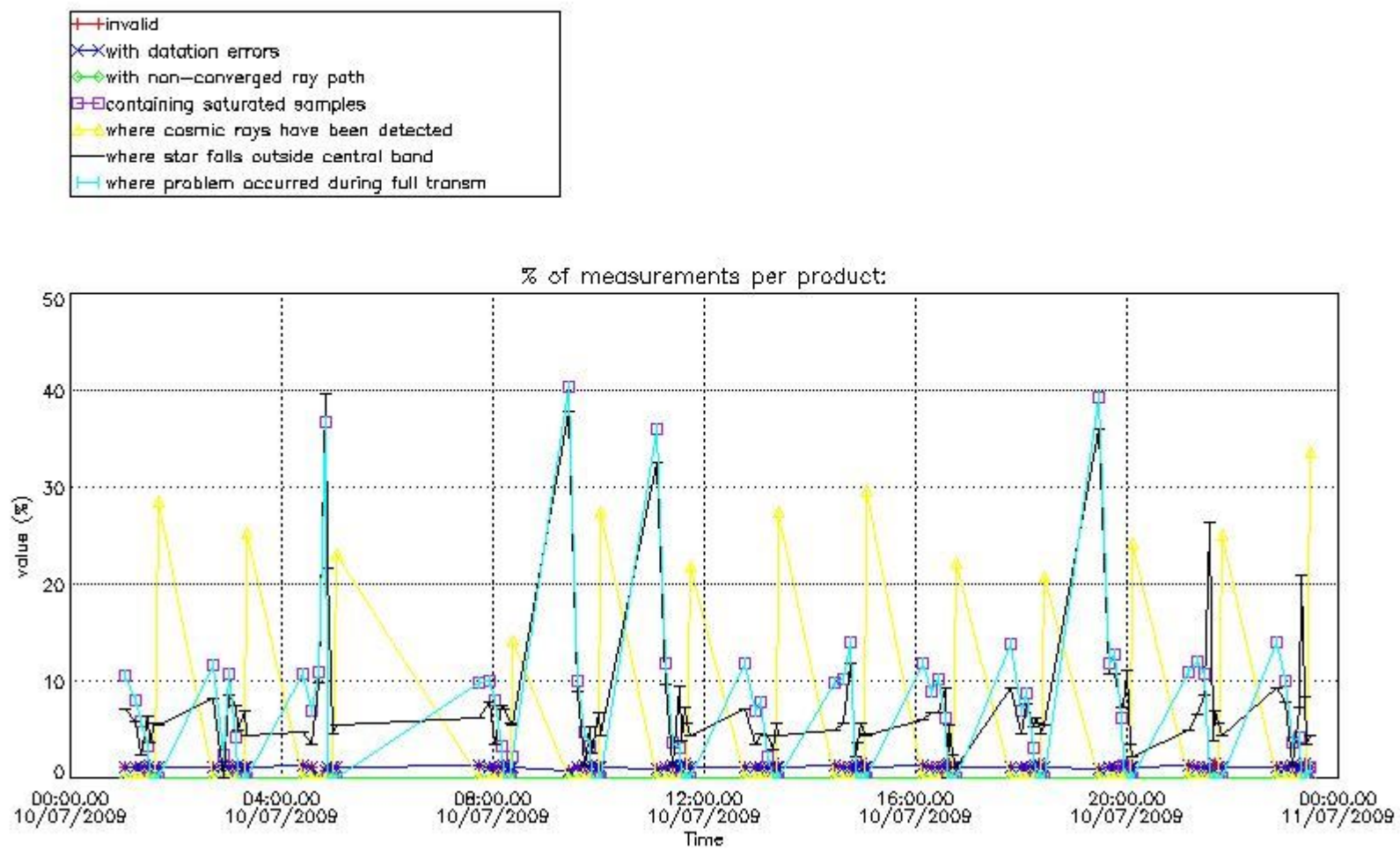
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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



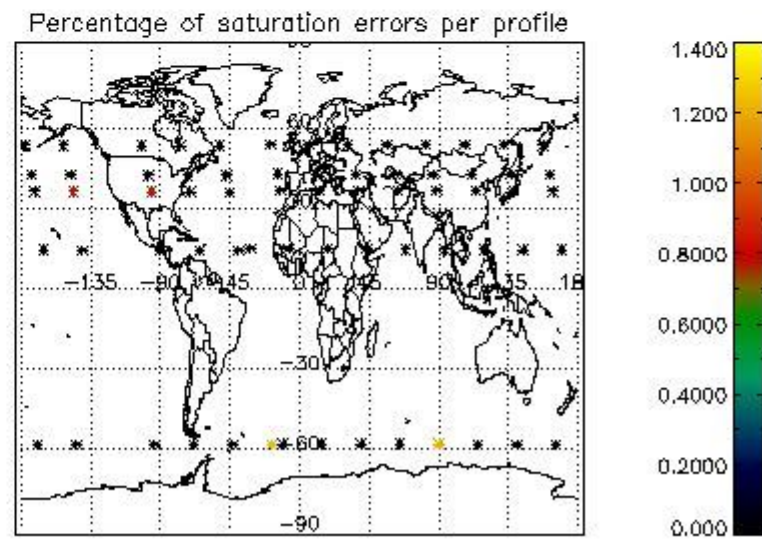
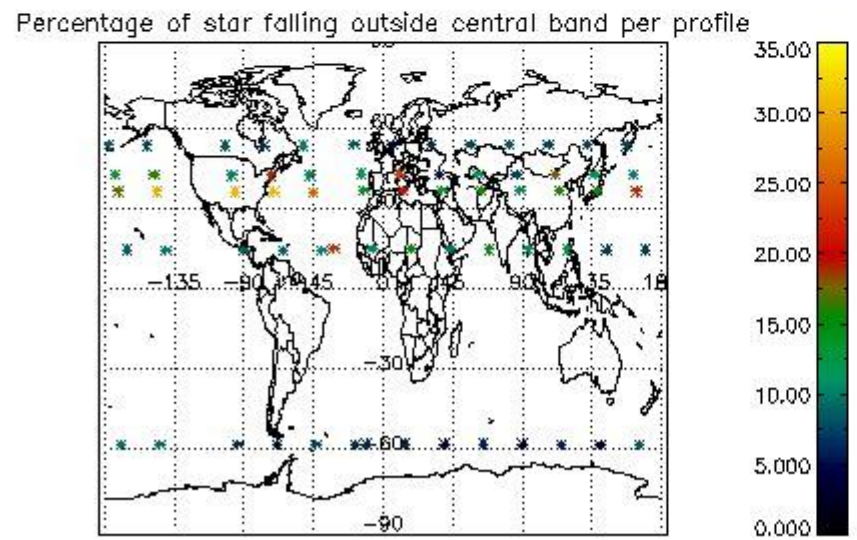
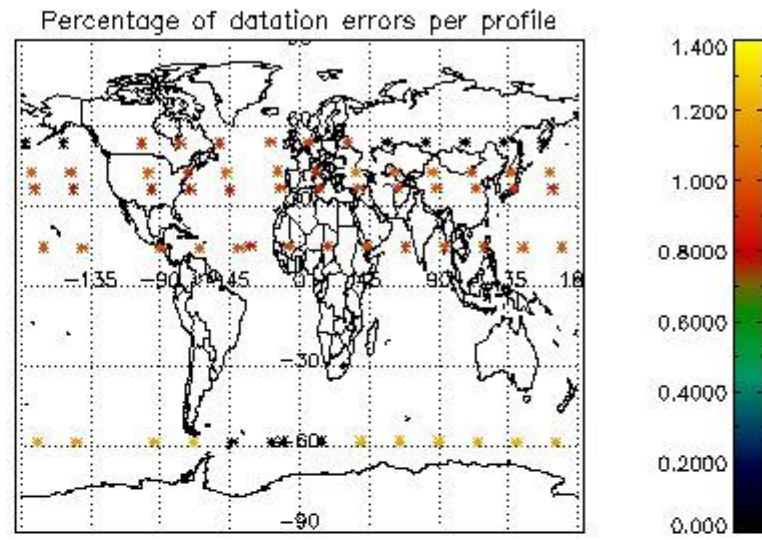
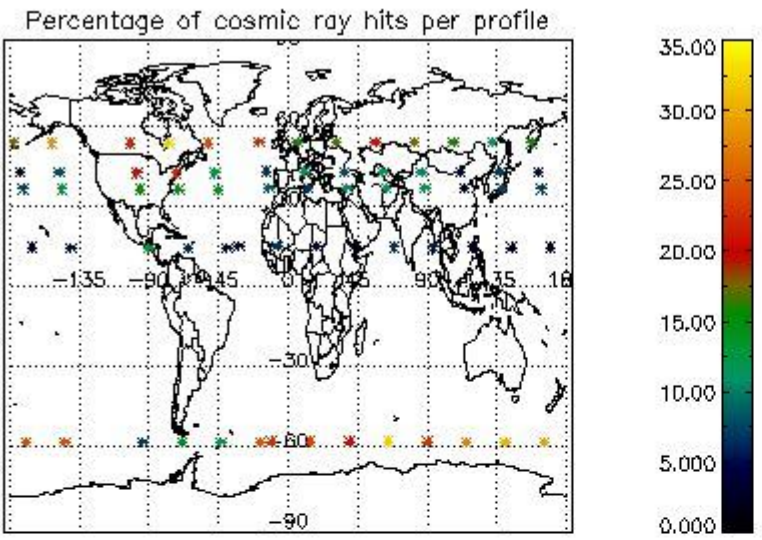
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



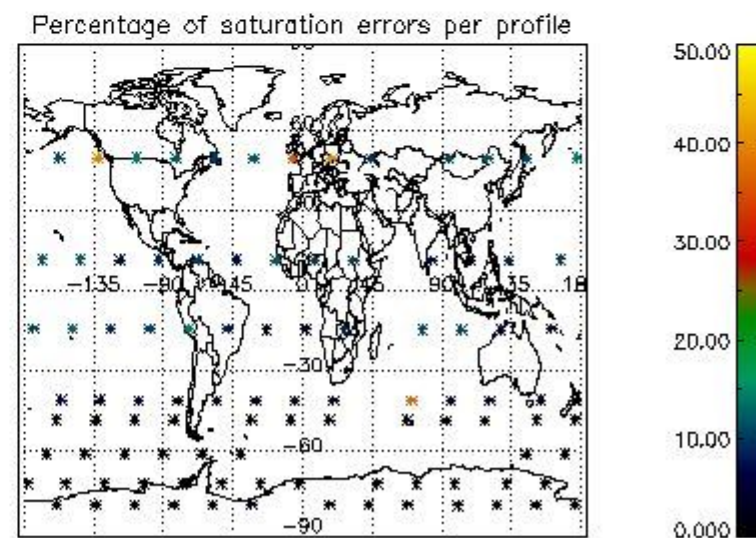
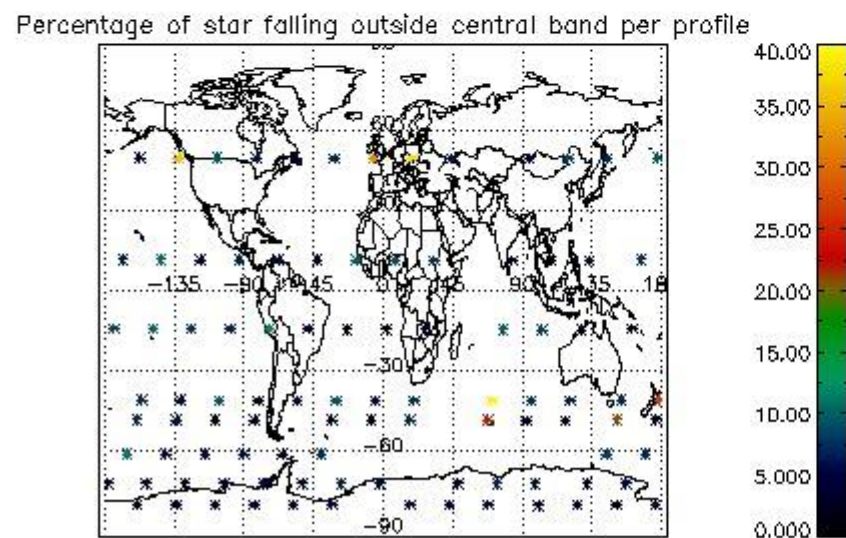
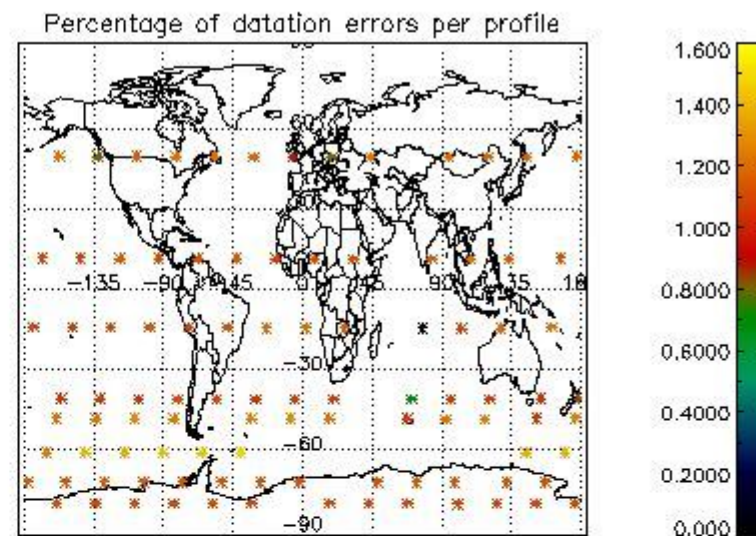
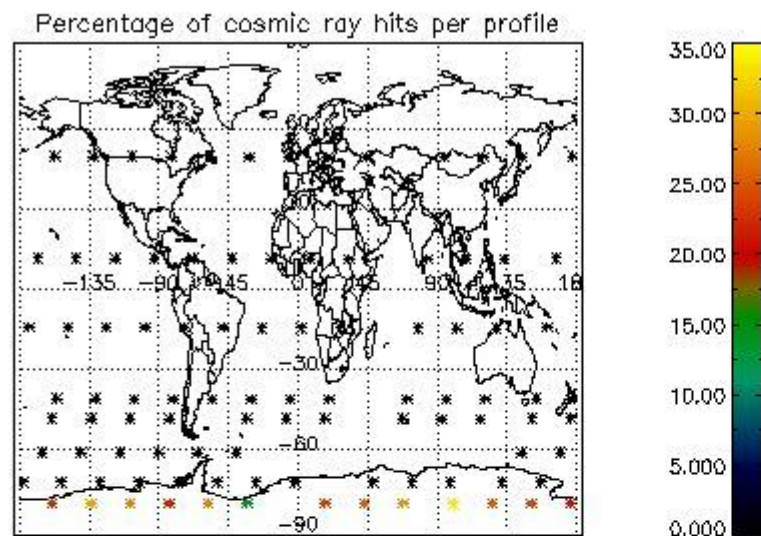
*4.2 Plot quality information per product coming from level 1b processing (world map)*

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





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

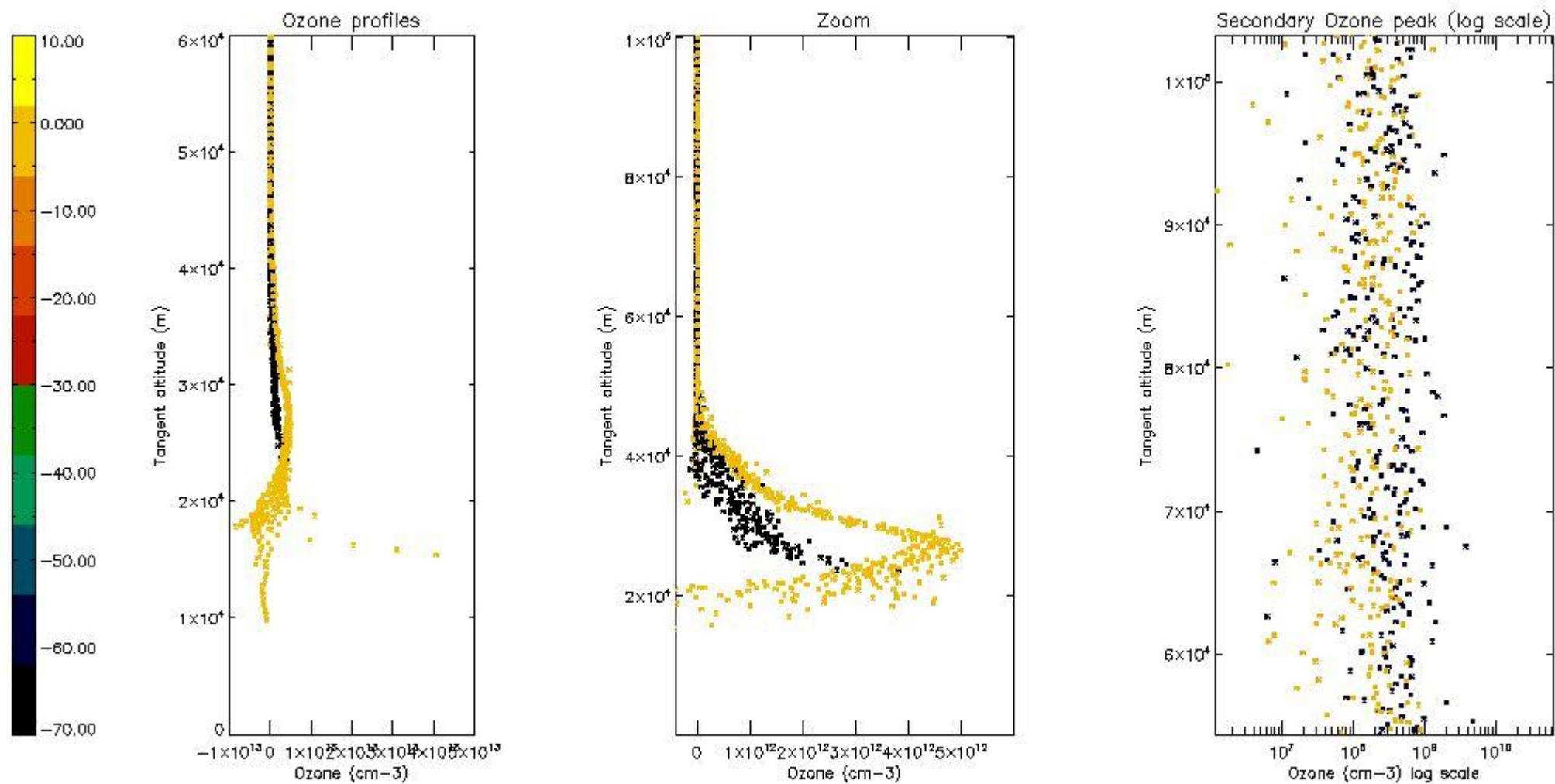
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	17
STD < 20	3

STD < 10	2
STD < 5	0

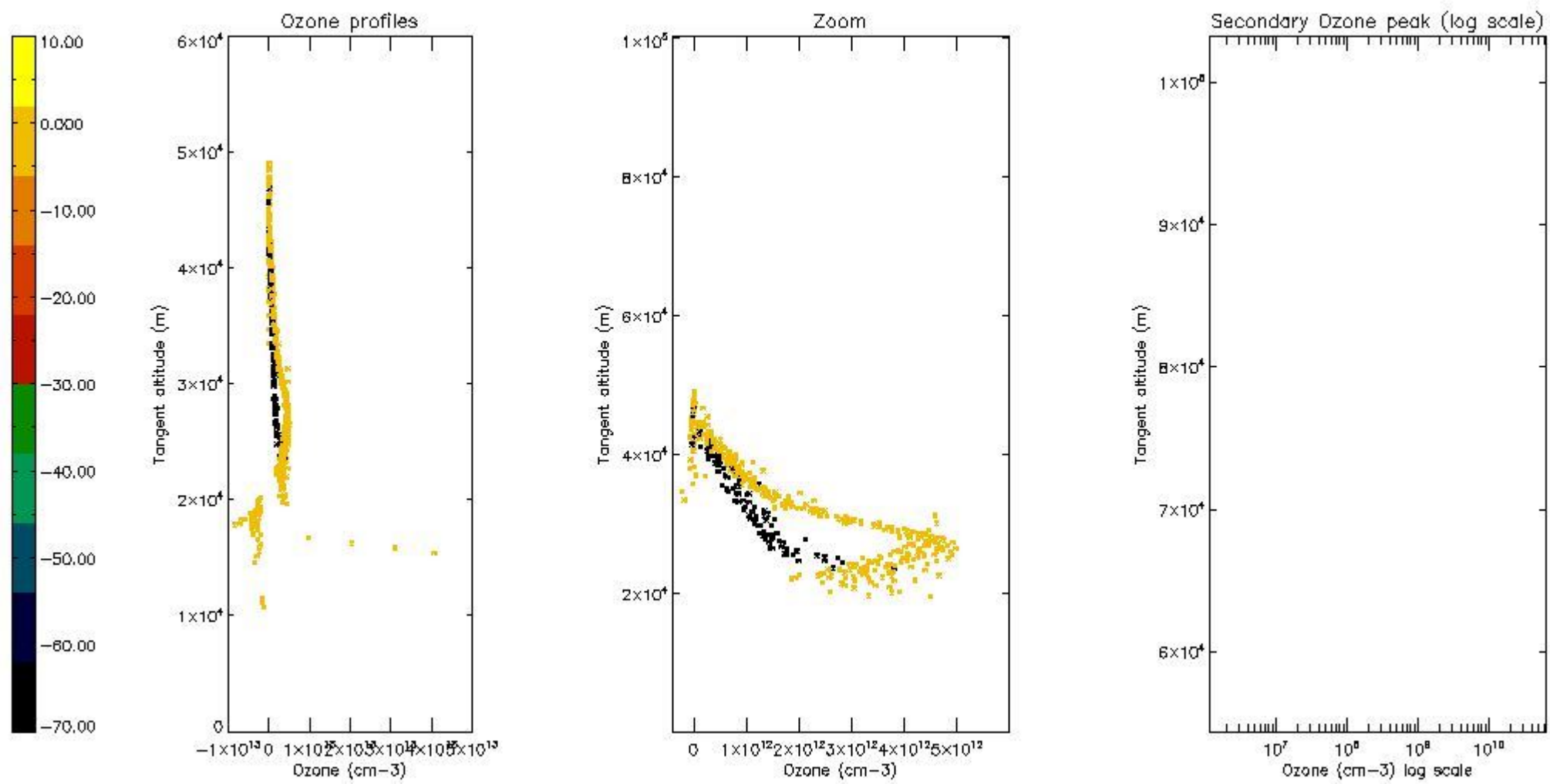
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



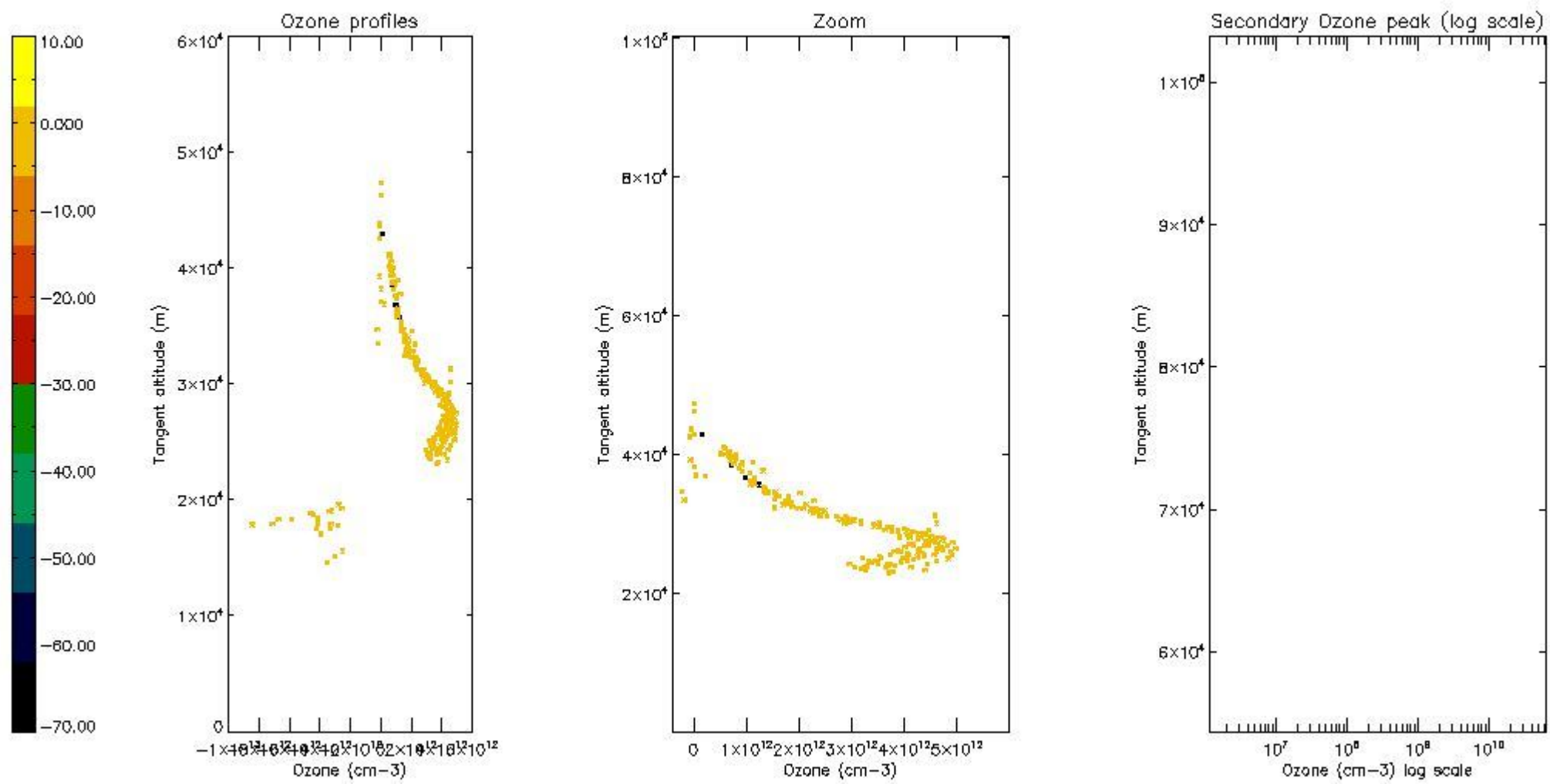
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



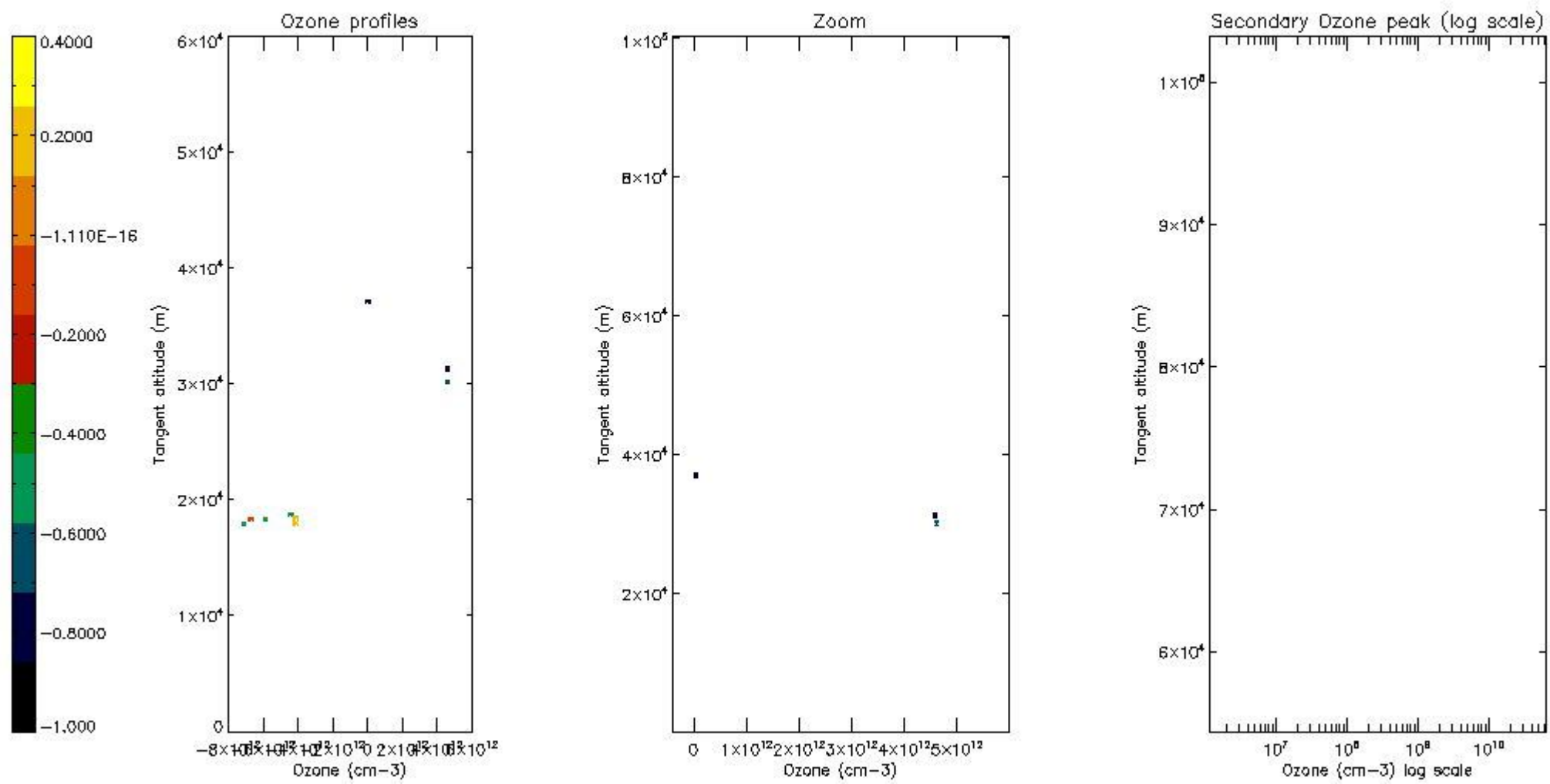
*5.4 Plot ozone profiles where  $STD < 10\%$  (dark without errors)*

The colorbar represents the latitude.



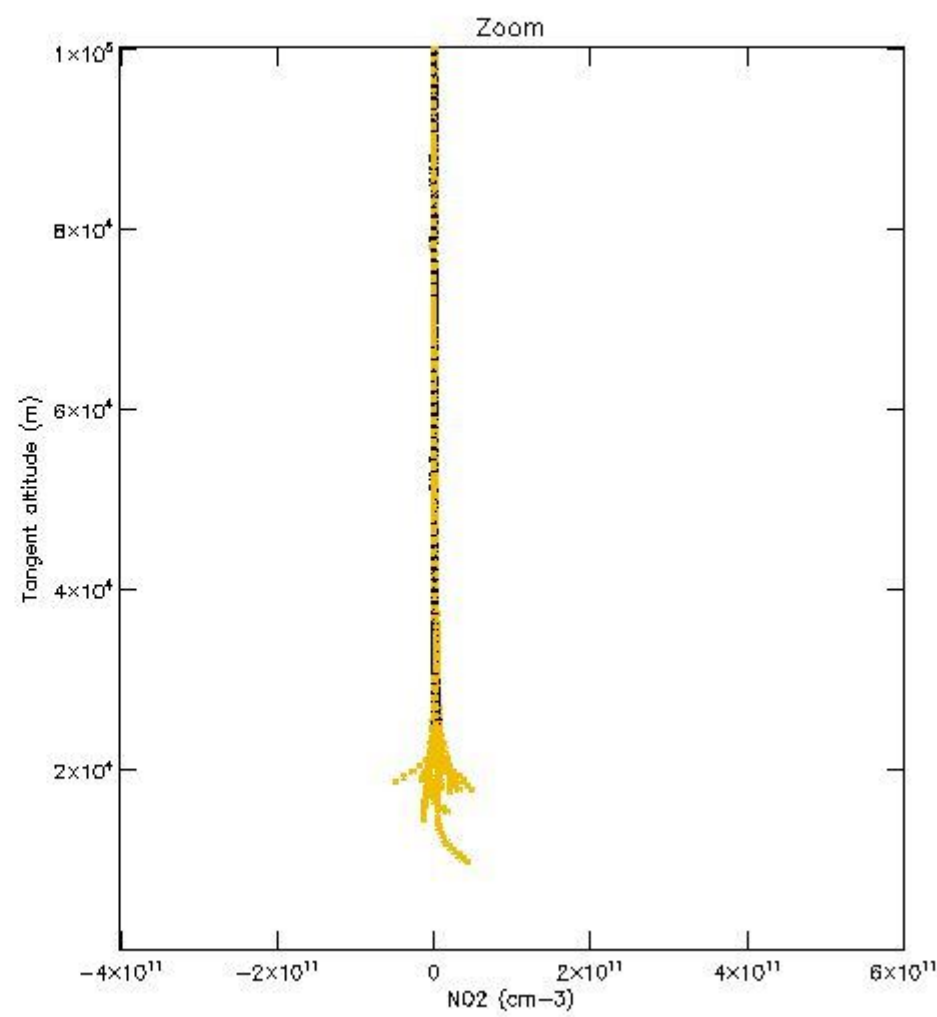
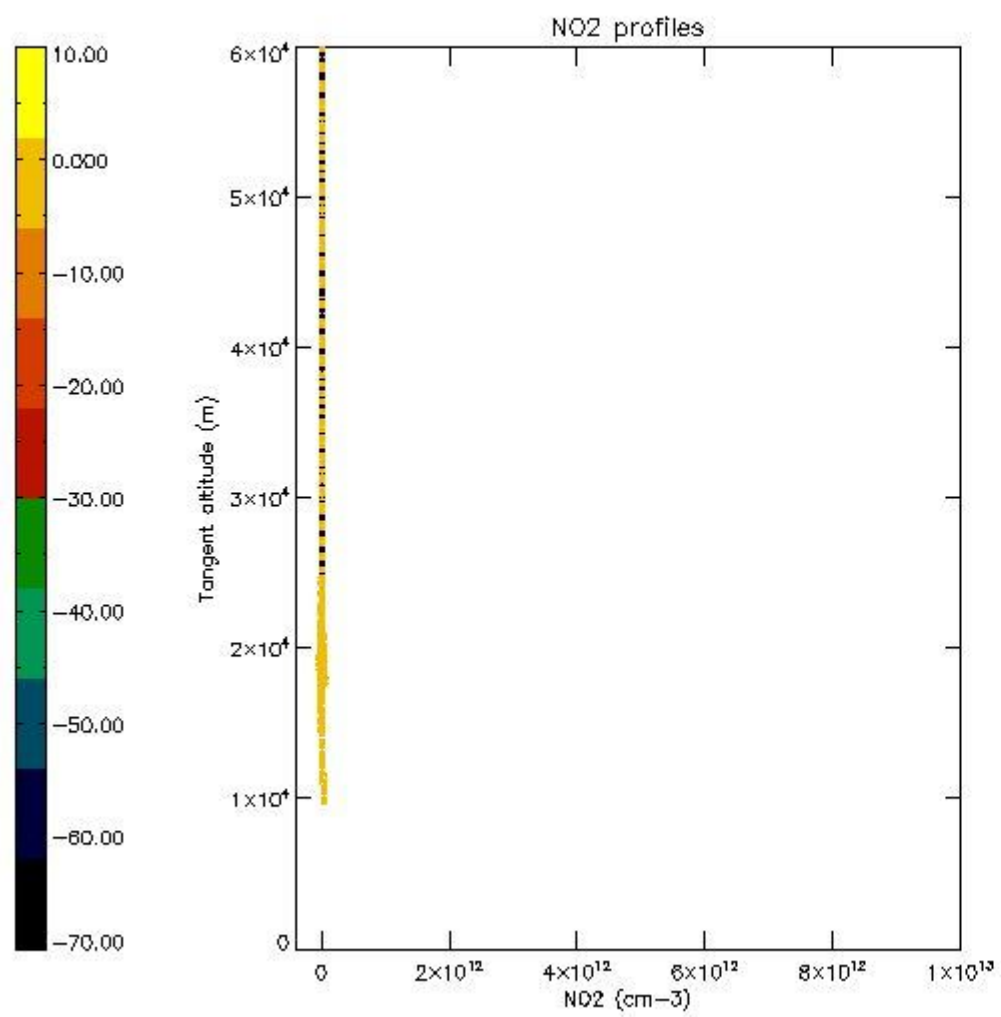
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



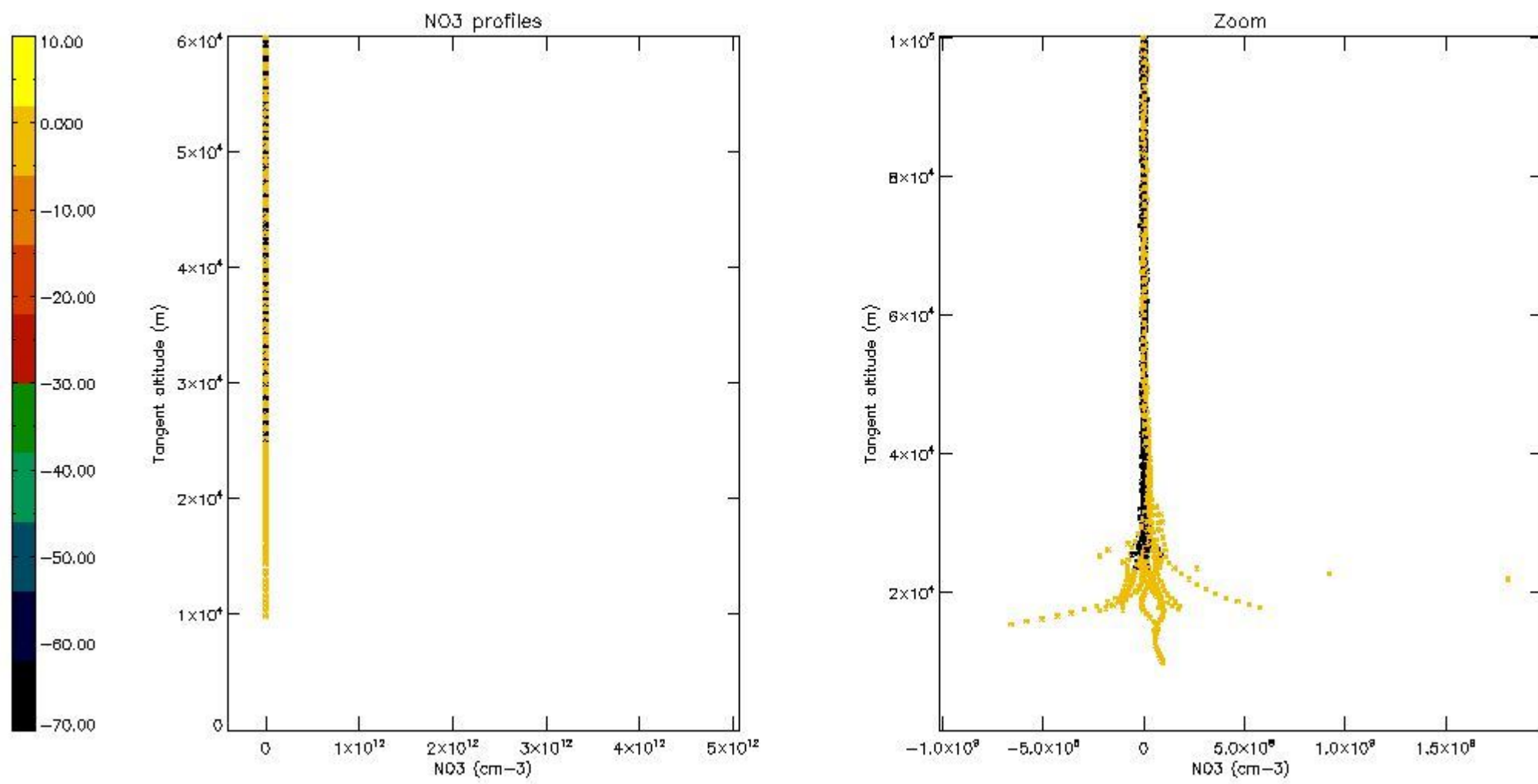
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

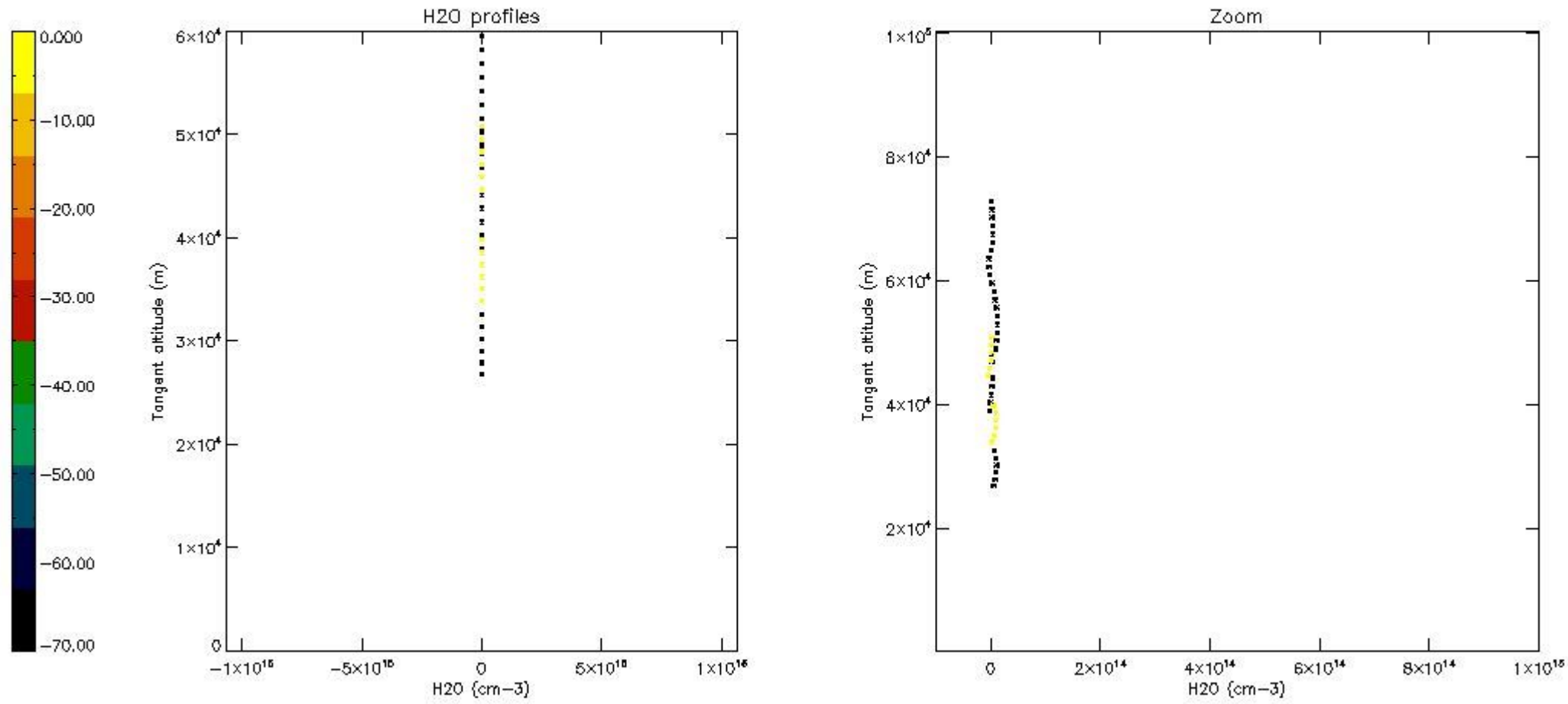
The colorbar represents the latitude.



5.8 Plot H<sub>2</sub>O 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	10-JUL-2009 00:09:31
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	10-JUL-2009 00:09:31
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	10-JUL-2009 00:09:31

# GOMOS Level 2 Daily Report

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### [6. Auxiliary Data Files used for the production reported in section 2](#)

This report presents the daily analysis on parameters extracted from GOMOS level 2 data (GOM\_NL\_\_2P). It is intended to monitor some important parameters that will impact the quality of these products. A list of level 2 products (and content) that have arrived during the reporting day to the PCF is also given.

Item	Value
Time of report generation	26APR2013 10:43:40
Data source version	GOMOS/6.01
Start time of products	10-07-2009 (10JUL2009 00:00:00)
Stop time of products	11-07-2009 (11JUL2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	165
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__2PRFIN20090710_000931_000000412080_00345_38475_9325.N1	10-JUL-2009 00:09:31	Dark	40.500	94	92Alp Cet	2.5260	3100.0	81	38475	No
2	GOM_NL__2PRFIN20090710_003001_000000522080_00346_38476_9331.N1	10-JUL-2009 00:30:01	Dark	52.000	84	Alp Phe	2.3970	4500.0	104	38476	No
3	GOM_NL__2PRFIN20090710_003612_000000612080_00346_38476_9332.N1	10-JUL-2009 00:36:12	Straylight	60.500	63	Bet Gru	2.1500	2800.0	121	38476	No
4	GOM_NL__2PRFIN20090710_003757_000000492080_00346_38476_9333.N1	10-JUL-2009 00:37:57	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	38476	No
5	GOM_NL__2PRFIN20090710_004106_000000562080_00346_38476_9334.N1	10-JUL-2009 00:41:06	Straylight	55.500	172	Gam Gru	3.0030	13100.	111	38476	No
6	GOM_NL__2PRFIN20090710_010223_000000432080_00346_38476_9335.N1	10-JUL-2009 01:02:23	Bright	42.500	168	17Zet Aql	2.9860	11000.	85	38476	No
7	GOM_NL__2PRFIN20090710_011310_000000442080_00346_38476_9336.N1	10-JUL-2009 01:13:10	Bright	43.500	144	18Del Cyg	2.8600	11000.	87	38476	No
8	GOM_NL__2PRFIN20090710_012024_000000432080_00346_38476_9337.N1	10-JUL-2009 01:20:24	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	38476	No
9	GOM_NL__2PRFIN20090710_012755_000000472080_00346_38476_9338.N1	10-JUL-2009 01:27:55	Bright	47.000	74	11Bet Cas	2.2680	6600.0	94	38476	No
10	GOM_NL__2PRFIN20090710_012958_000000412080_00346_38476_9339.N1	10-JUL-2009 01:29:58	Bright	40.500	110	37Del Cas	2.6780	8900.0	81	38476	No
11	GOM_NL__2PRFIN20090710_013658_000000452080_00346_38476_9340.N1	10-JUL-2009 01:36:58	Bright	44.500	73	57Gam1And	2.2600	13100.	89	38476	No
12	GOM_NL__2PRFIN20090710_013957_000000462080_00346_38476_9341.N1	10-JUL-2009 01:39:57	Twilight	45.500	173	4Bet Tri	3.0040	8900.0	91	38476	No
13	GOM_NL__2PRFIN20090710_015008_000000422080_00346_38476_9342.N1	10-JUL-2009 01:50:08	Dark	41.500	94	92Alp Cet	2.5260	3100.0	83	38476	No
14	GOM_NL__2PRFIN20090710_021038_000000512080_00347_38477_9345.N1	10-JUL-2009 02:10:38	Dark	50.500	84	Alp Phe	2.3970	4500.0	101	38477	No
15	GOM_NL__2PRFIN20090710_021649_000000652080_00347_38477_9346.N1	10-JUL-2009 02:16:49	Straylight	65.000	63	Bet Gru	2.1500	2800.0	130	38477	No
16	GOM_NL__2PRFIN20090710_021834_000000552080_00347_38477_9347.N1	10-JUL-2009 02:18:34	Straylight	55.000	31	Alp Gru	1.7340	15200.	110	38477	No
17	GOM_NL__2PRFIN20090710_022143_000000552080_00347_38477_9348.N1	10-JUL-2009 02:21:43	Straylight	54.500	172	Gam Gru	3.0030	13100.	109	38477	No
18	GOM_NL__2PRFIN20090710_024258_000000432080_00347_38477_9349.N1	10-JUL-2009 02:42:58	Bright	43.000	168	17Zet Aql	2.9860	11000.	86	38477	No
19	GOM_NL__2PRFIN20090710_025345_000000412080_00347_38477_9350.N1	10-JUL-2009 02:53:45	Bright	41.000	144	18Del Cyg	2.8600	11000.	82	38477	No
20	GOM_NL__2PRFIN20090710_030059_000000472080_00347_38477_9351.N1	10-JUL-2009 03:00:59	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	38477	No
21	GOM_NL__2PRFIN20090710_030830_000000472080_00347_38477_9352.N1	10-JUL-2009 03:08:30	Bright	47.000	74	11Bet Cas	2.2680	6600.0	94	38477	No
22	GOM_NL__2PRFIN20090710_031033_000000412080_00347_38477_9353.N1	10-JUL-2009 03:10:33	Bright	41.000	110	37Del Cas	2.6780	8900.0	82	38477	No
23	GOM_NL__2PRFIN20090710_031734_000000442080_00347_38477_9354.N1	10-JUL-2009 03:17:34	Bright	44.000	73	57Gam1And	2.2600	13100.	88	38477	No
24	GOM_NL__2PRFIN20090710_032034_000000462080_00347_38477_9355.N1	10-JUL-2009 03:20:34	Twilight	45.500	173	4Bet Tri	3.0040	8900.0	91	38477	No
25	GOM_NL__2PRFIN20090710_033044_000000412080_00347_38477_9356.N1	10-JUL-2009 03:30:44	Dark	41.000	94	92Alp Cet	2.5260	3100.0	82	38477	No
26	GOM_NL__2PRFIN20090710_035115_000000512080_00348_38478_9360.N1	10-JUL-2009 03:51:15	Dark	50.500	84	Alp Phe	2.3970	4500.0	101	38478	No
27	GOM_NL__2PRFIN20090710_035726_000000652080_00348_38478_9361.N1	10-JUL-2009 03:57:26	Straylight	65.000	63	Bet Gru	2.1500	2800.0	130	38478	No
28	GOM_NL__2PRFIN20090710_035911_000000492080_00348_38478_9362.N1	10-JUL-2009 03:59:11	Straylight	49.000	31	Alp Gru	1.7340	15200.	98	38478	No
29	GOM_NL__2PRFIN20090710_040220_000000562080_00348_38478_9363.N1	10-JUL-2009 04:02:20	Straylight	55.500	172	Gam Gru	3.0030	13100.	111	38478	No
30	GOM_NL__2PRFIN20090710_042334_000000422080_00348_38478_9364.N1	10-JUL-2009 04:23:34	Bright	42.000	168	17Zet Aql	2.9860	11000.	84	38478	No
31	GOM_NL__2PRFIN20090710_043420_000000442080_00348_38478_9365.N1	10-JUL-2009 04:34:20	Bright	43.500	144	18Del Cyg	2.8600	11000.	87	38478	No
32	GOM_NL__2PRFIN20090710_044134_000000462080_00348_38478_9366.N1	10-JUL-2009 04:41:34	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	38478	No
33	GOM_NL__2PRFIN20090710_044906_000000722080_00348_38478_9367.N1	10-JUL-2009 04:49:06	Bright	72.000	74	11Bet Cas	2.2680	6600.0	144	38478	No
34	GOM_NL__2PRFIN20090710_045109_000000492080_00348_38478_9368.N1	10-JUL-2009 04:51:09	Bright	48.500	110	37Del Cas	2.6780	8900.0	97	38478	No
35	GOM_NL__2PRFIN20090710_045810_000000452080_00348_38478_9369.N1	10-JUL-2009 04:58:10	Bright	44.500	73	57Gam1And	2.2600	13100.	89	38478	No
36	GOM_NL__2PRFIN20090710_050110_000000462080_00348_38478_9370.N1	10-JUL-2009 05:01:10	Twilight	45.500	173	4Bet Tri	3.0040	8900.0	91	38478	No
37	GOM_NL__2PRFIN20090710_051121_000000422080_00348_38478_9371.N1	10-JUL-2009 05:11:21	Dark	42.000	94	92Alp Cet	2.5260	3100.0	84	38478	No
38	GOM_NL__2PRFIN20090710_071230_000000522080_00350_38480_9395.N1	10-JUL-2009 07:12:30	Dark	51.500	84	Alp Phe	2.3970	4500.0	103	38480	No
39	GOM_NL__2PRFIN20090710_071840_000000652080_00350_38480_9396.N1	10-JUL-2009 07:18:40	Straylight	64.500	63	Bet Gru	2.1500	2800.0	129	38480	No
40	GOM_NL__2PRFIN20090710_072024_000000532080_00350_38480_9397.N1	10-JUL-2009 07:20:24	Straylight	52.500	31	Alp Gru	1.7340	15200.	105	38480	No
41	GOM_NL__2PRFIN20090710_072334_000000532080_00350_38480_9398.N1	10-JUL-2009 07:23:34	Straylight	53.000	172	Gam Gru	3.0030	13100.	106	38480	No
42	GOM_NL__2PRFIN20090710_074446_000000412080_00350_38480_9399.N1	10-JUL-2009 07:44:46	Bright	41.000	168	17Zet Aql	2.9860	11000.	82	38480	No



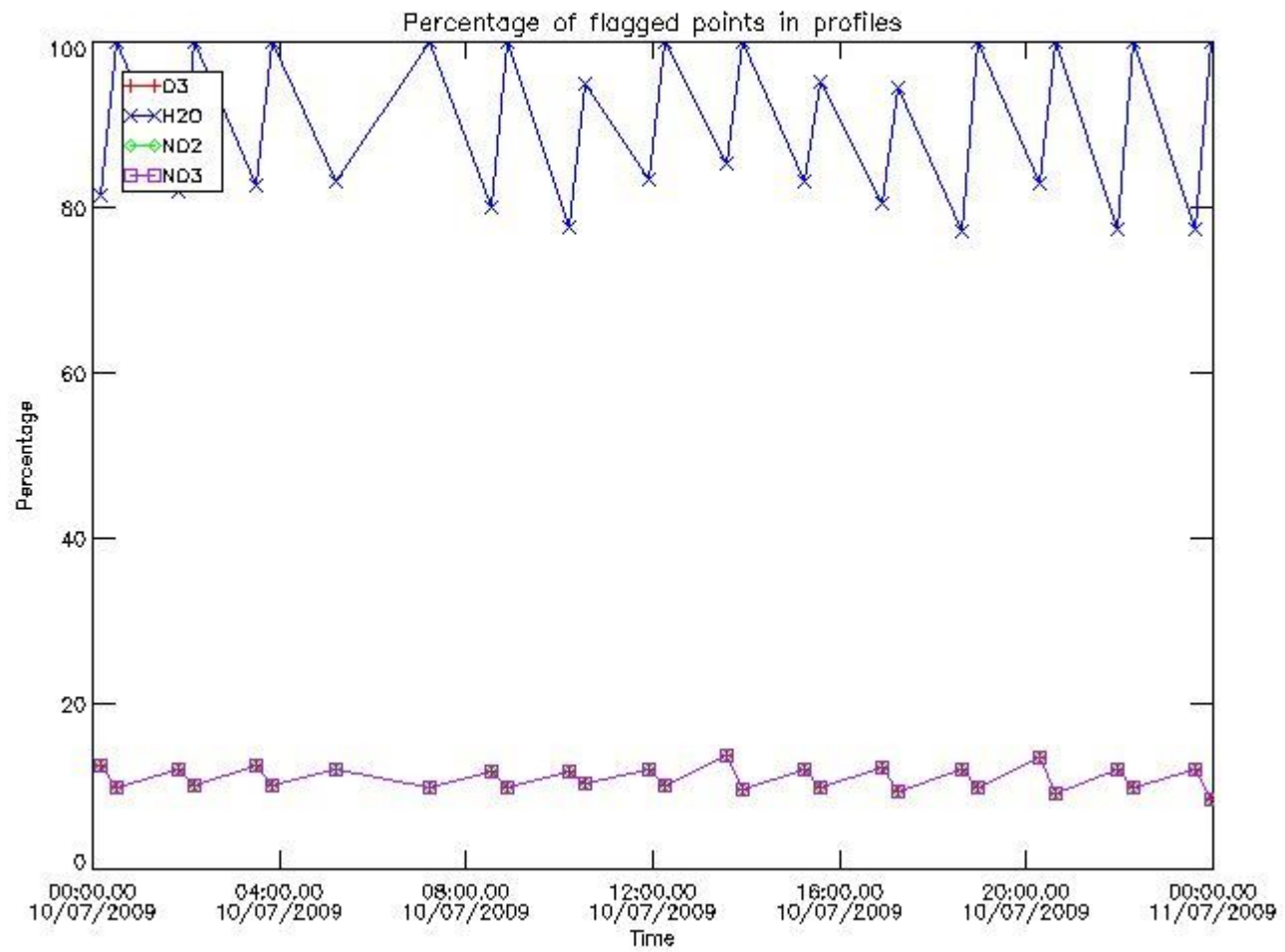


161	GOM_NL__2PRFIN20090710_232122_000000362080_00359_38489_9583.N1	10-JUL-2009 23:21:22	Bright	36.000	160	23Gam Per	2.9300	4700.0	72	38489	No
162	GOM_NL__2PRFIN20090710_232443_000000452080_00359_38489_9584.N1	10-JUL-2009 23:24:43	Bright	44.500	73	57Gam1And	2.2600	13100.	89	38489	No
163	GOM_NL__2PRFIN20090710_232745_000000462080_00359_38489_9585.N1	10-JUL-2009 23:27:45	Twilight_stray	46.000	173	4Bet Tri	3.0040	8900.0	92	38489	No
164	GOM_NL__2PRFIN20090710_233803_000000422080_00359_38489_9586.N1	10-JUL-2009 23:38:03	Dark	42.000	94	92Alp Cet	2.5260	3100.0	84	38489	No
165	GOM_NL__2PRFIN20090710_235840_000000612080_00360_38490_9591.N1	10-JUL-2009 23:58:40	Dark	60.500	84	Alp Phe	2.3970	4500.0	121	38490	No

### 3. Quality information per product

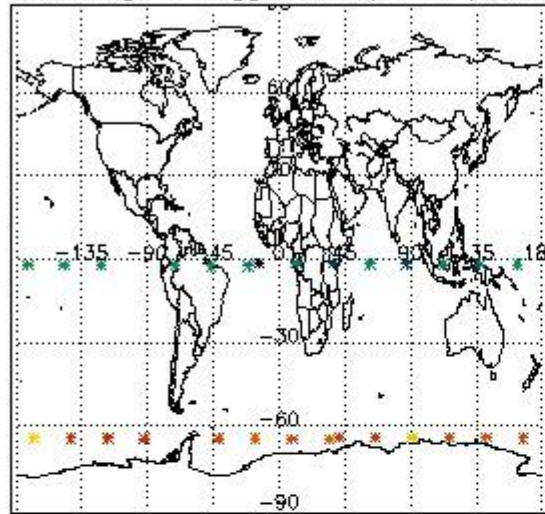
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

#### 3.1 Plot quality information per product (time dependant)

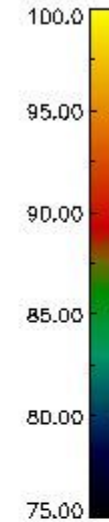
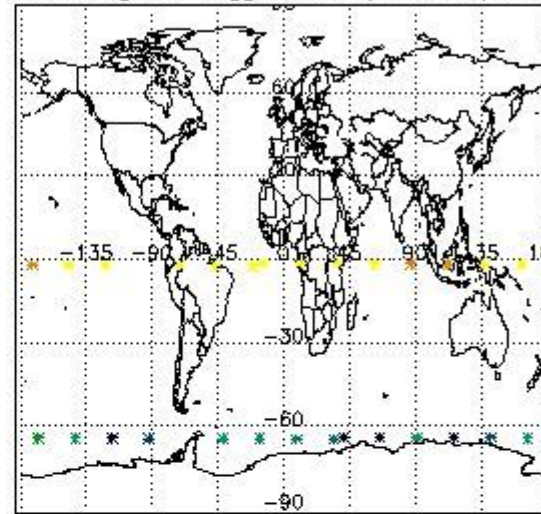


#### 3.2 Plot quality information per product (world map)

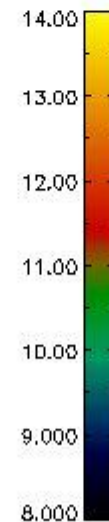
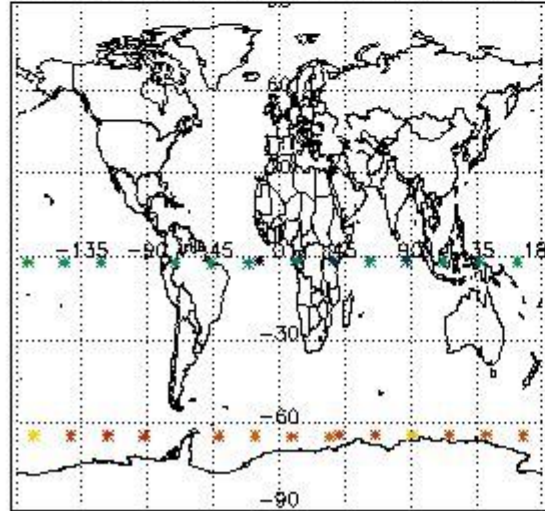
Percentage of flagged data per O3 profile



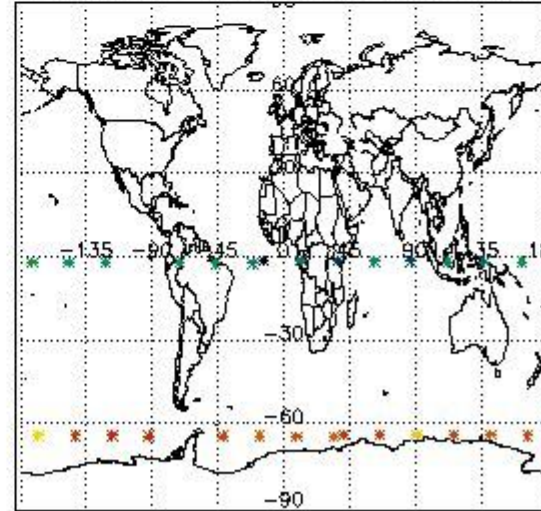
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

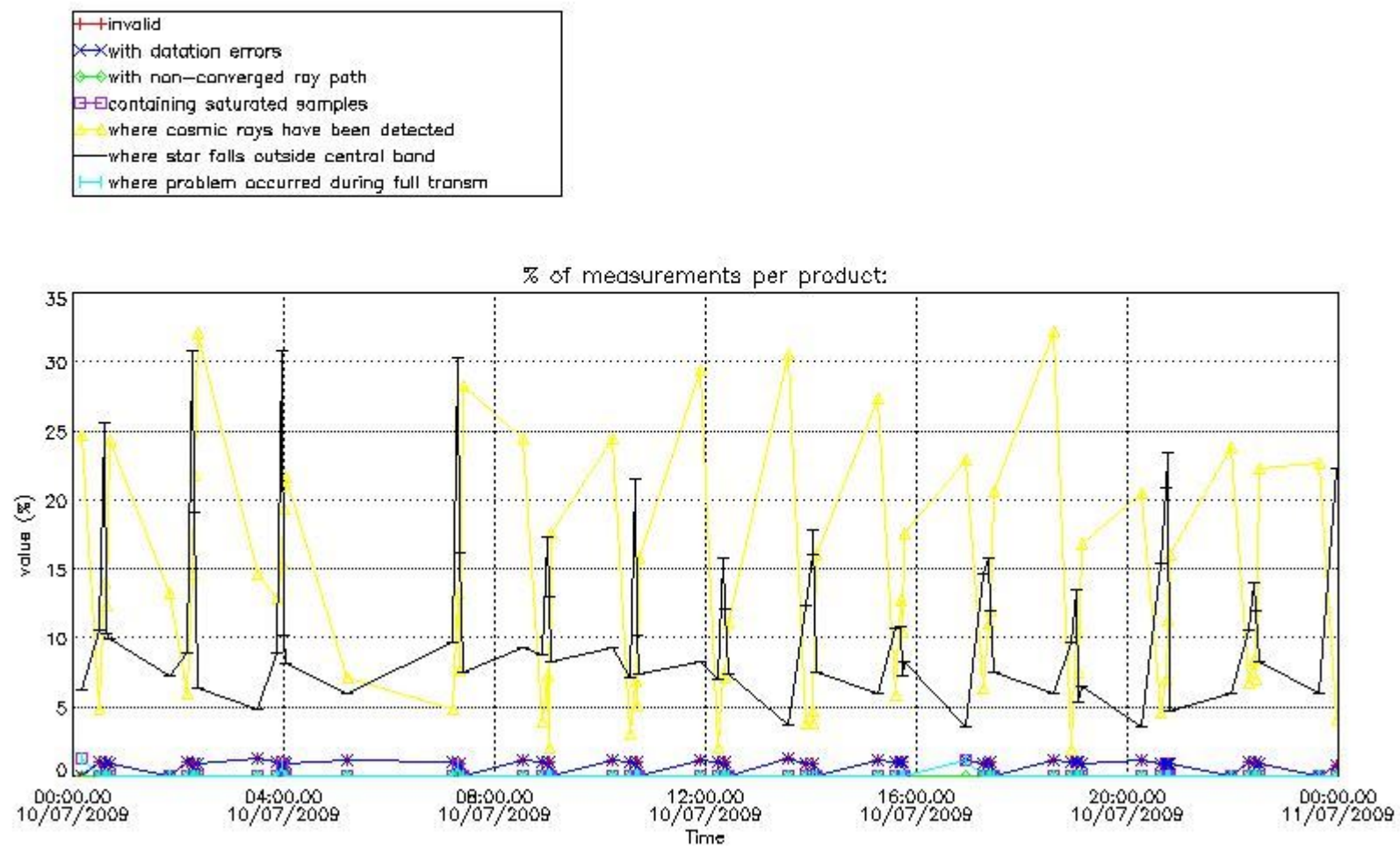


#### 4. Level 1 quality information per product

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.

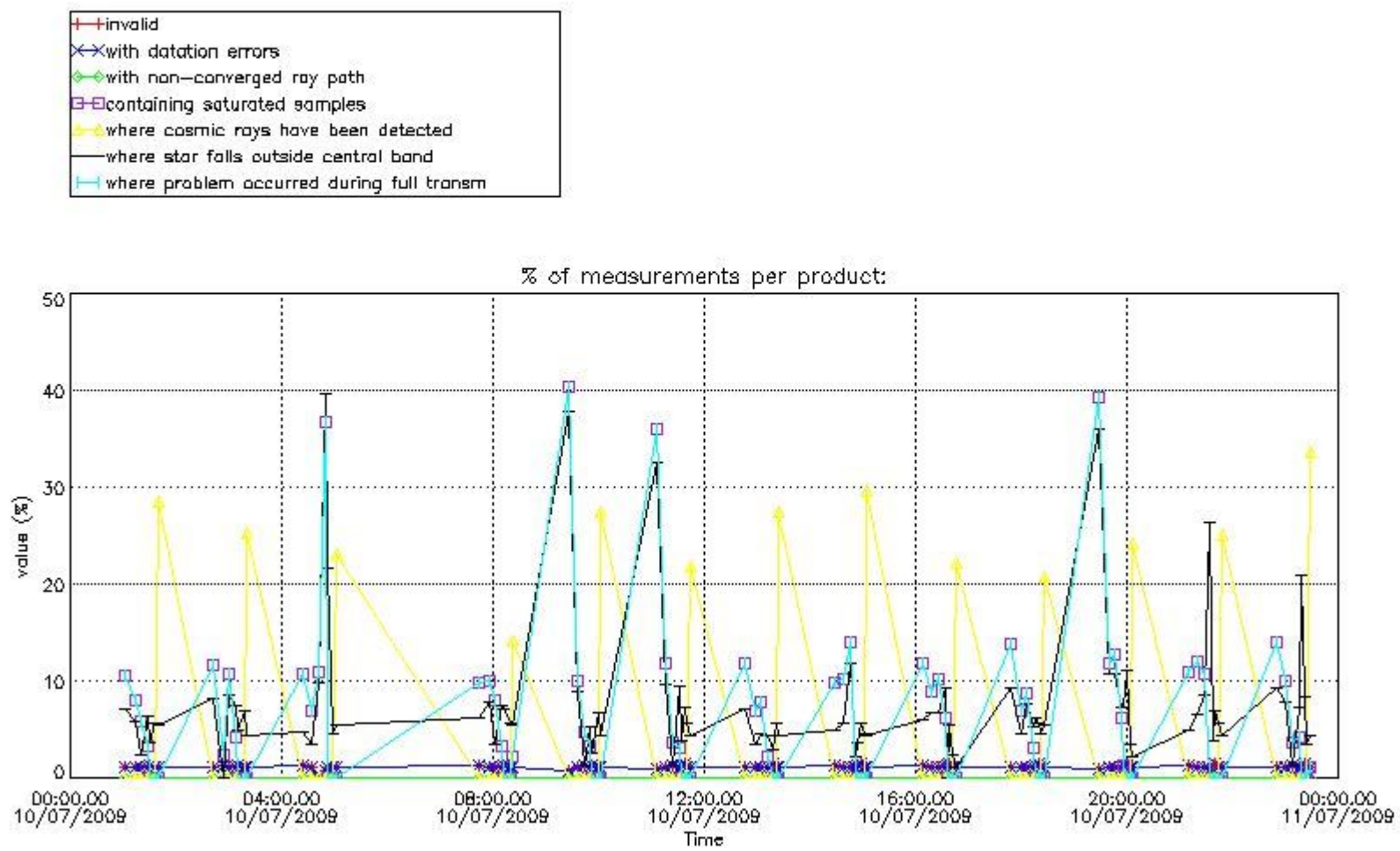
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

###### 4.1.1 Plot level 1 quality information per product (time dependant): ENVISAT ASCENDING passes



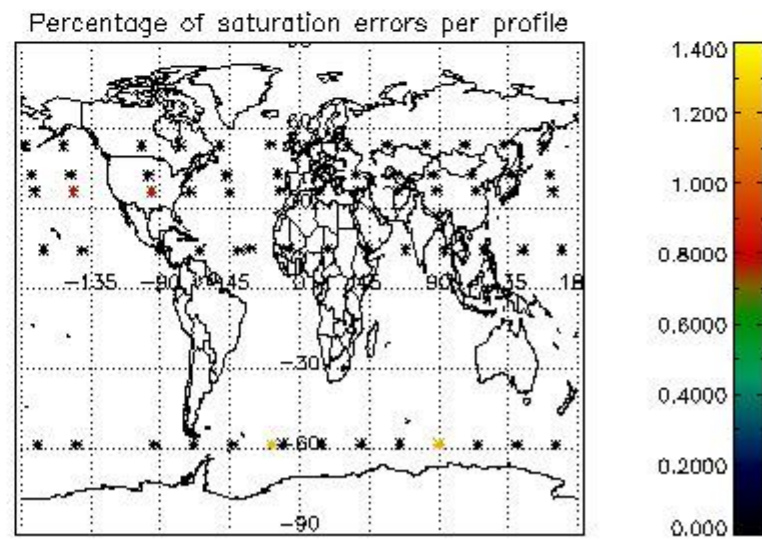
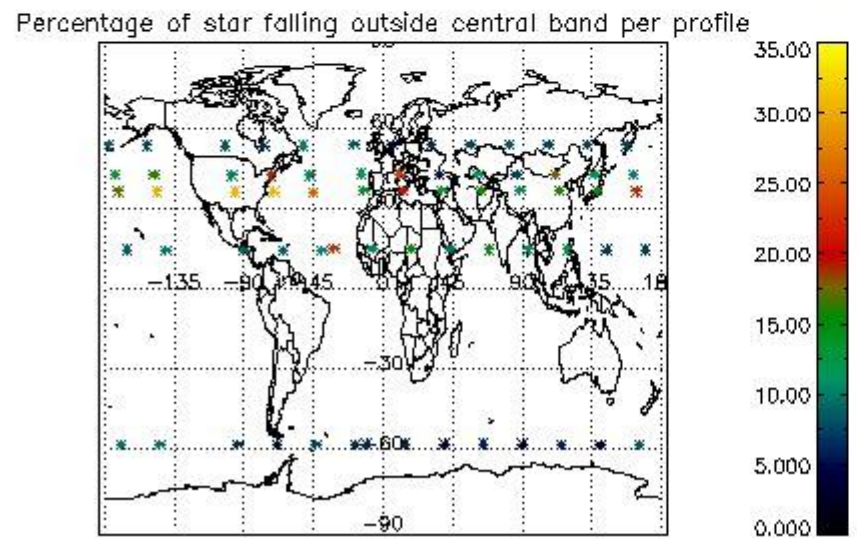
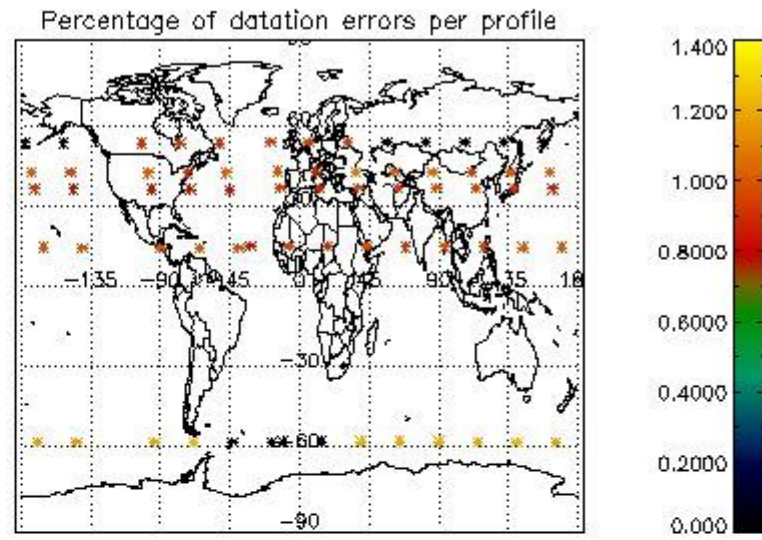
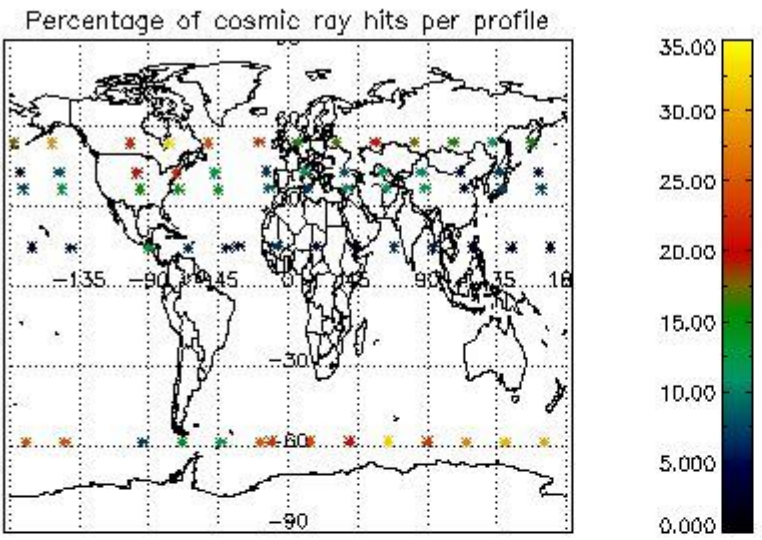
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



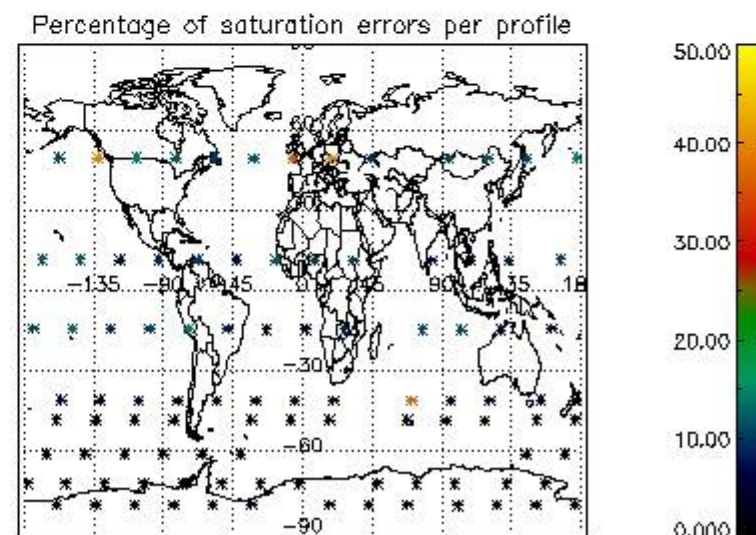
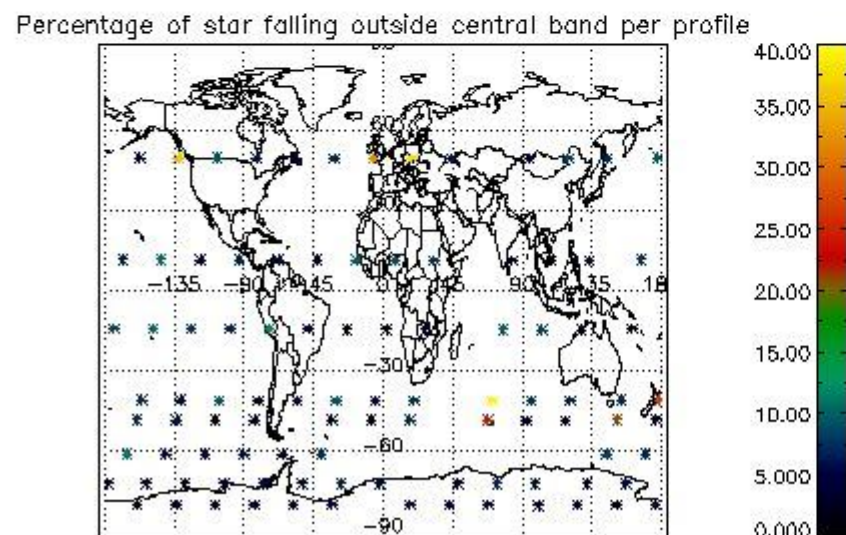
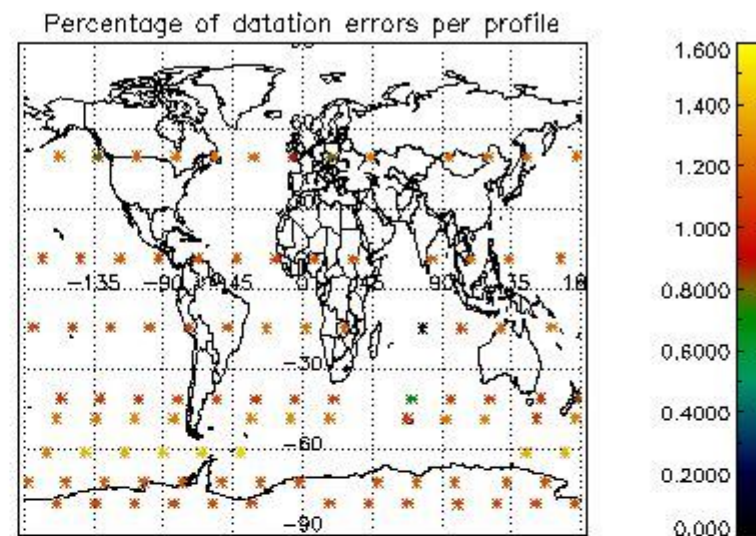
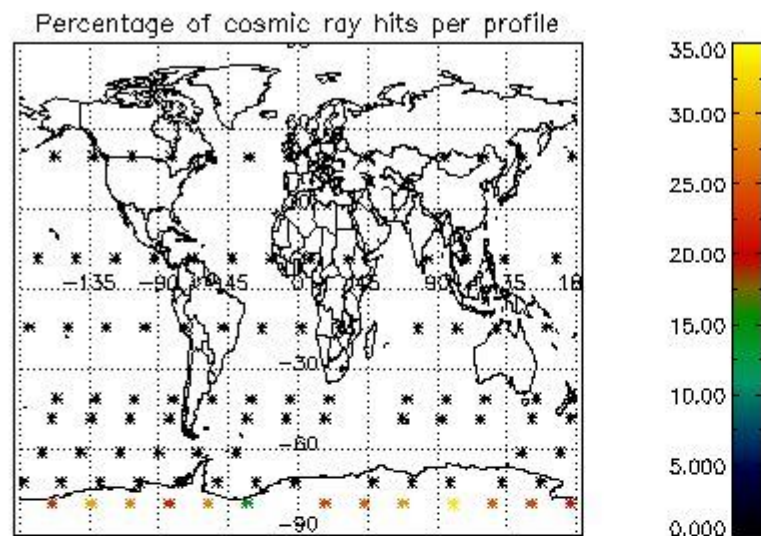


*4.2 Plot quality information per product coming from level 1b processing (world map)*

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



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

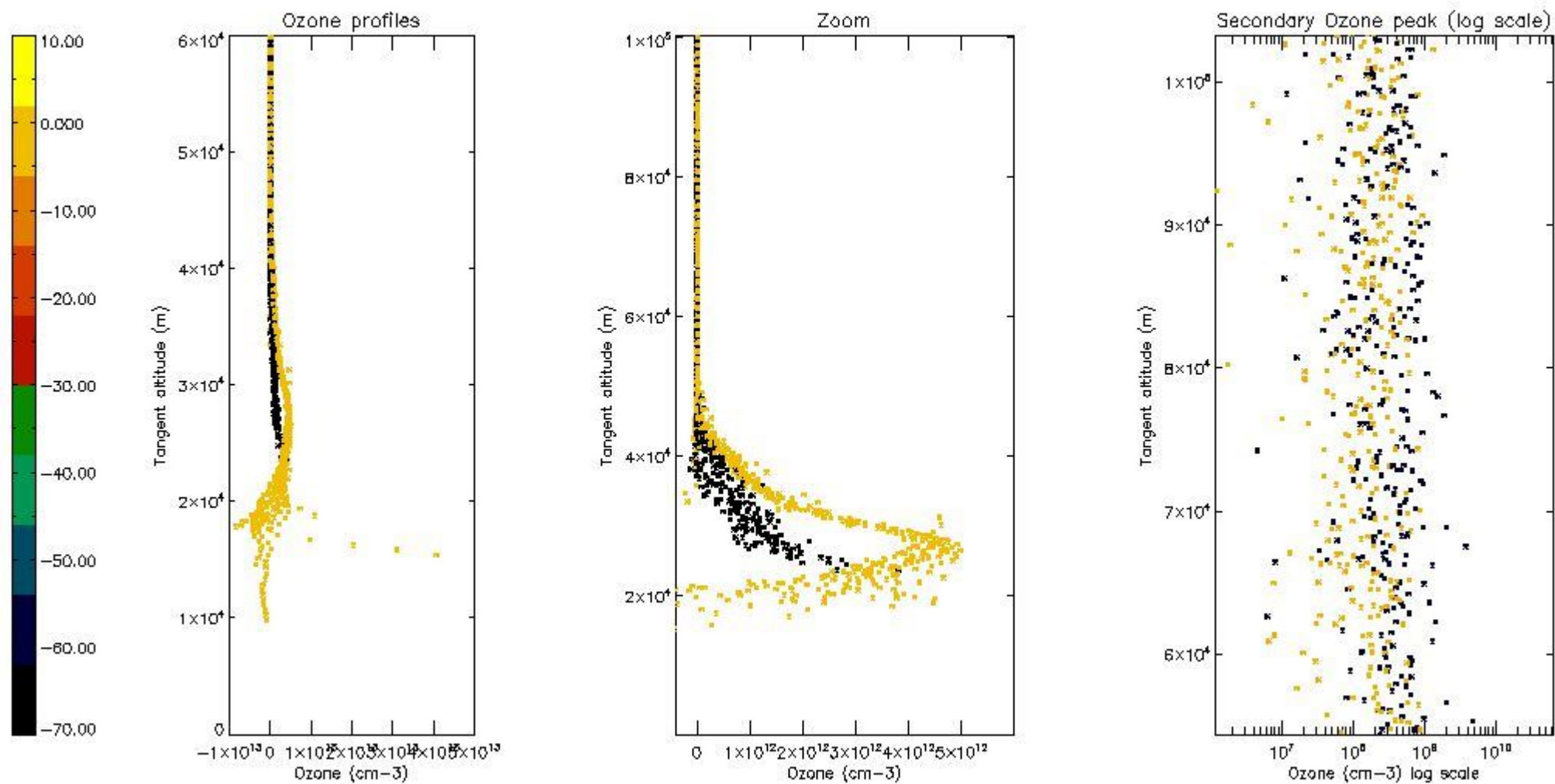
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	17
STD < 20	3

STD < 10	2
STD < 5	0

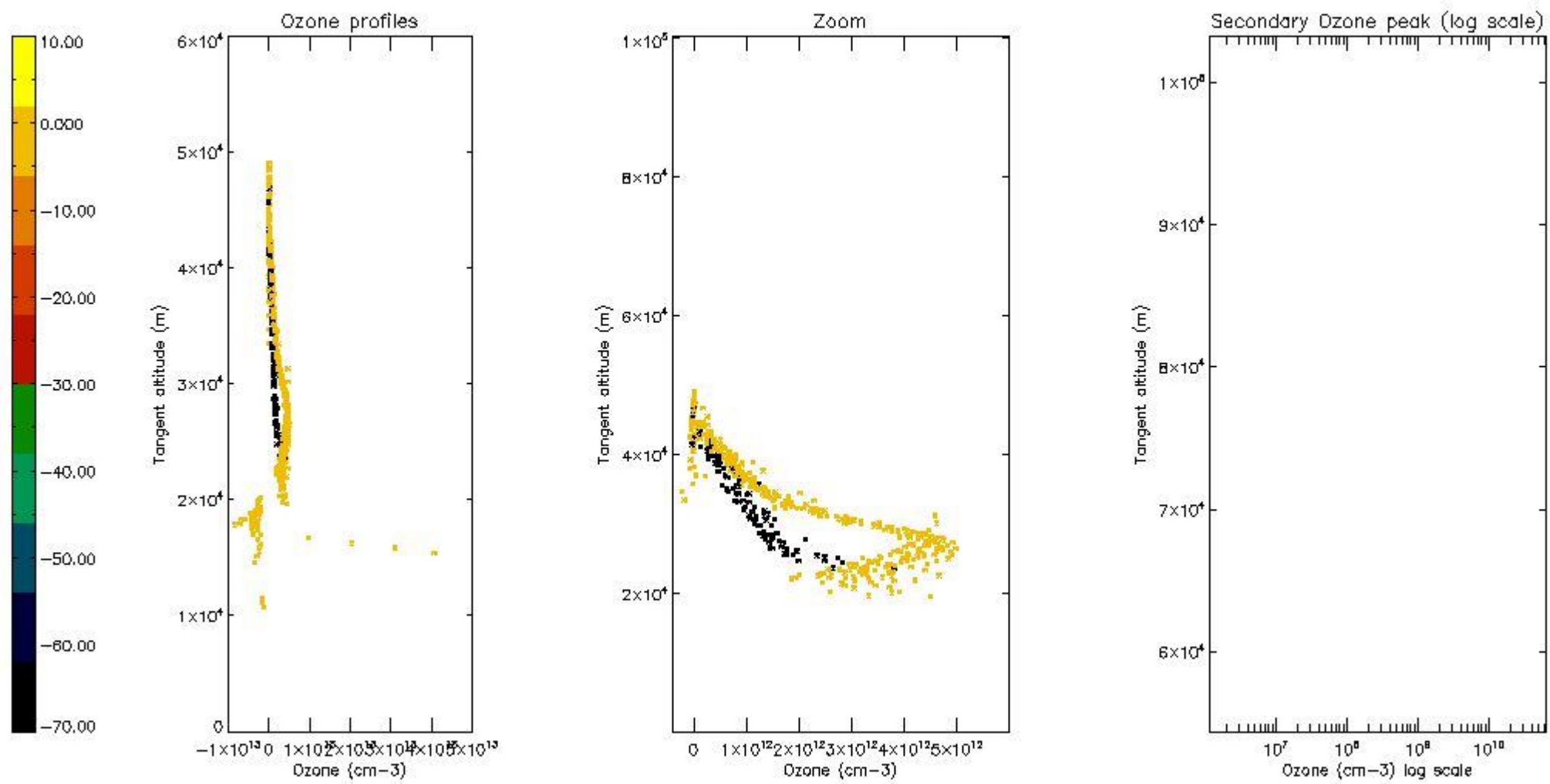
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



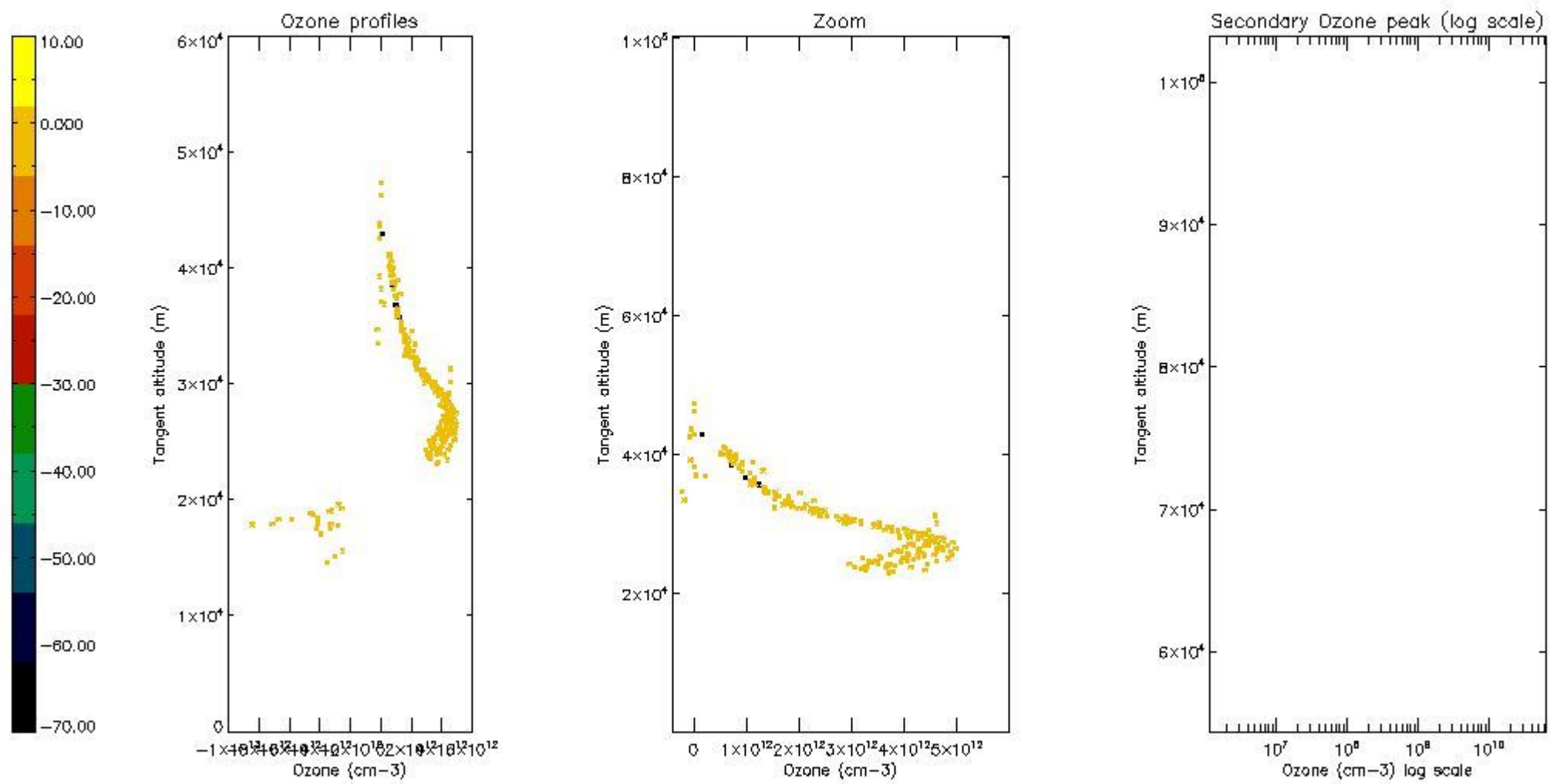
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



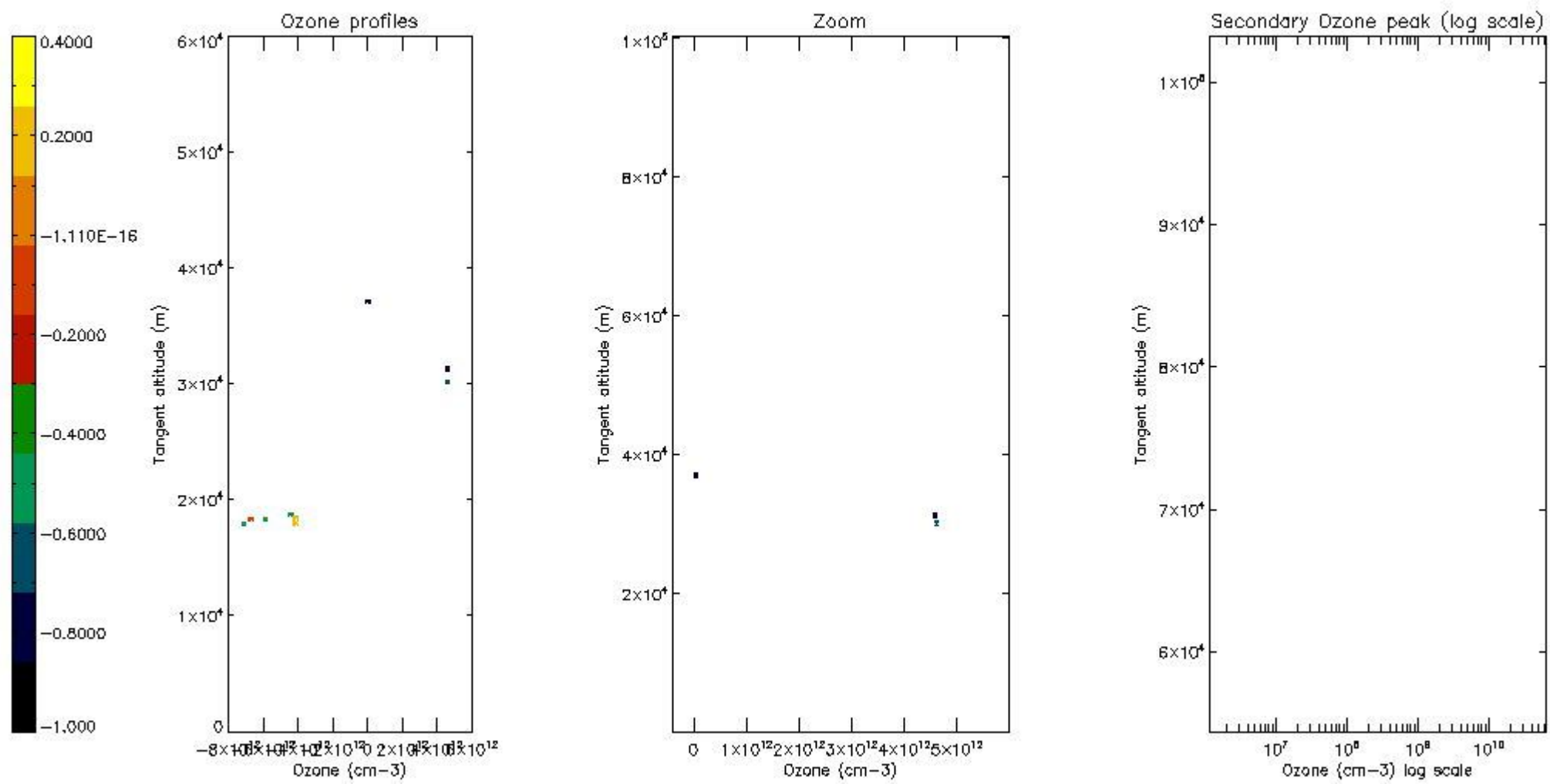
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



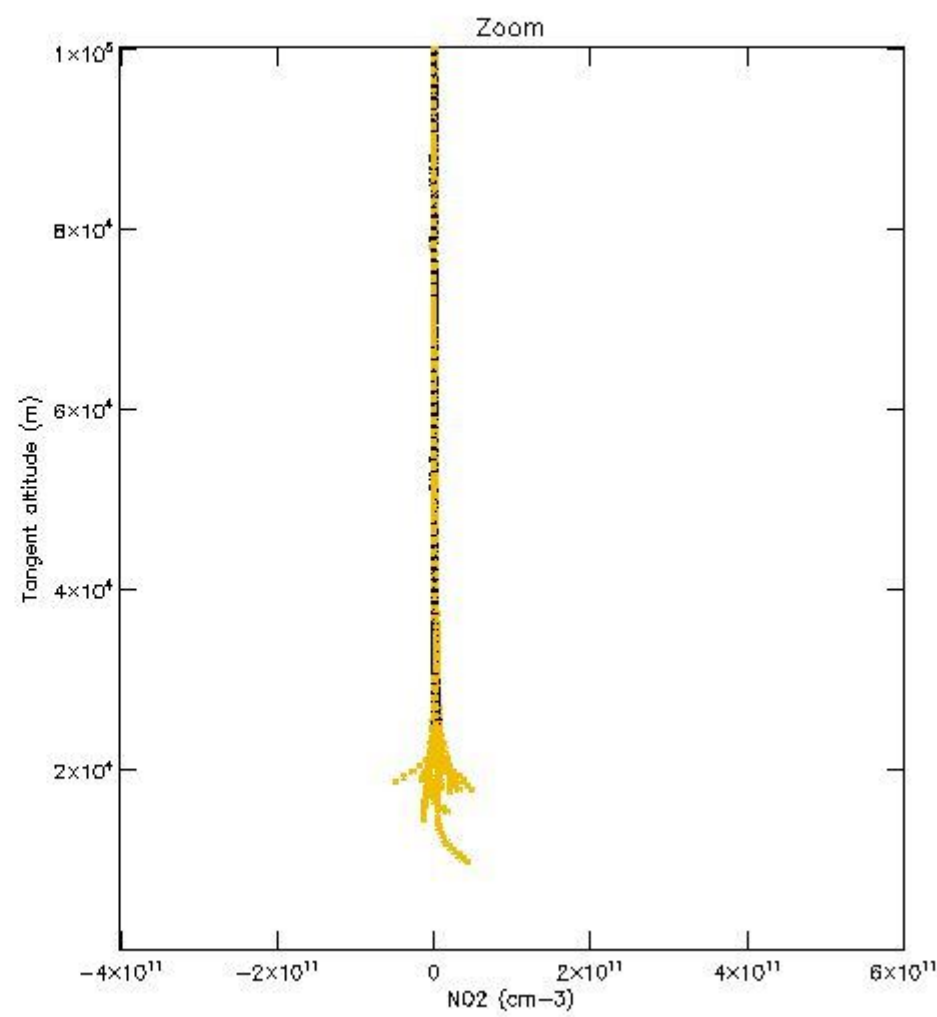
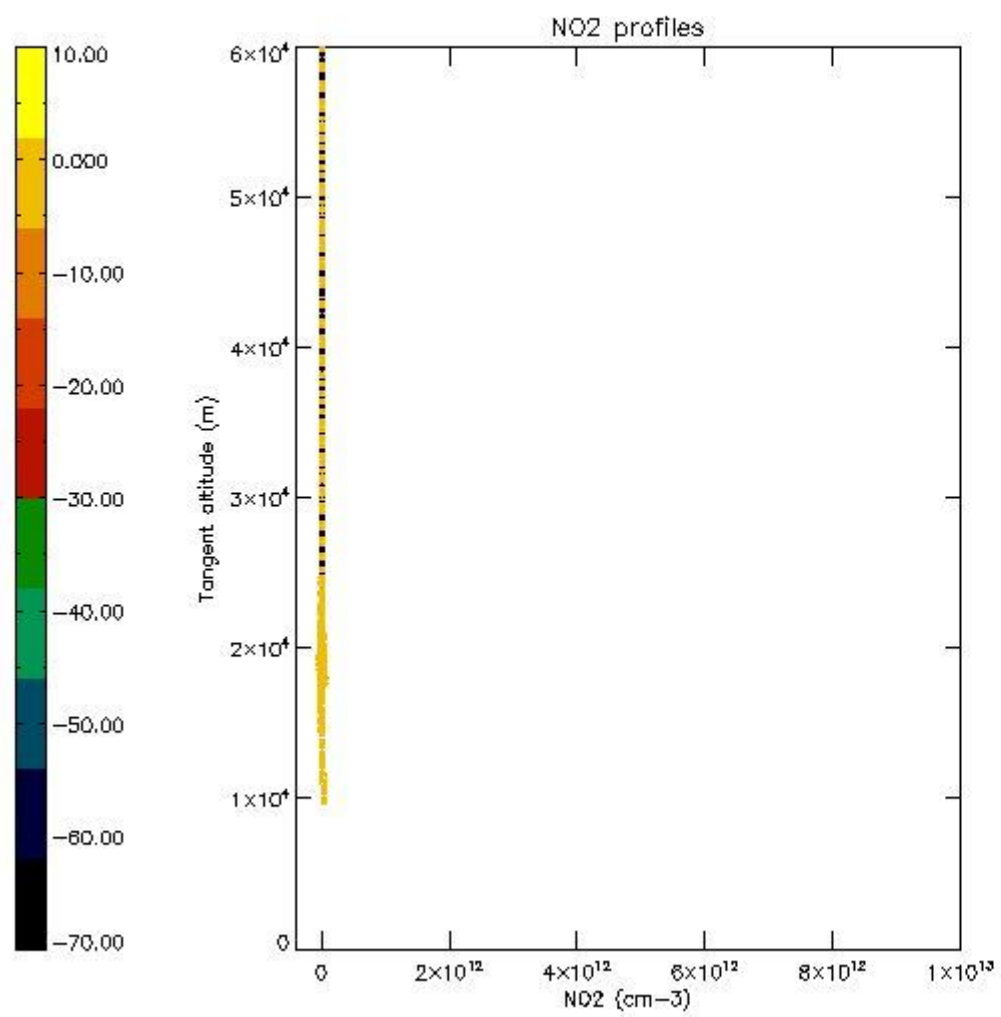
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

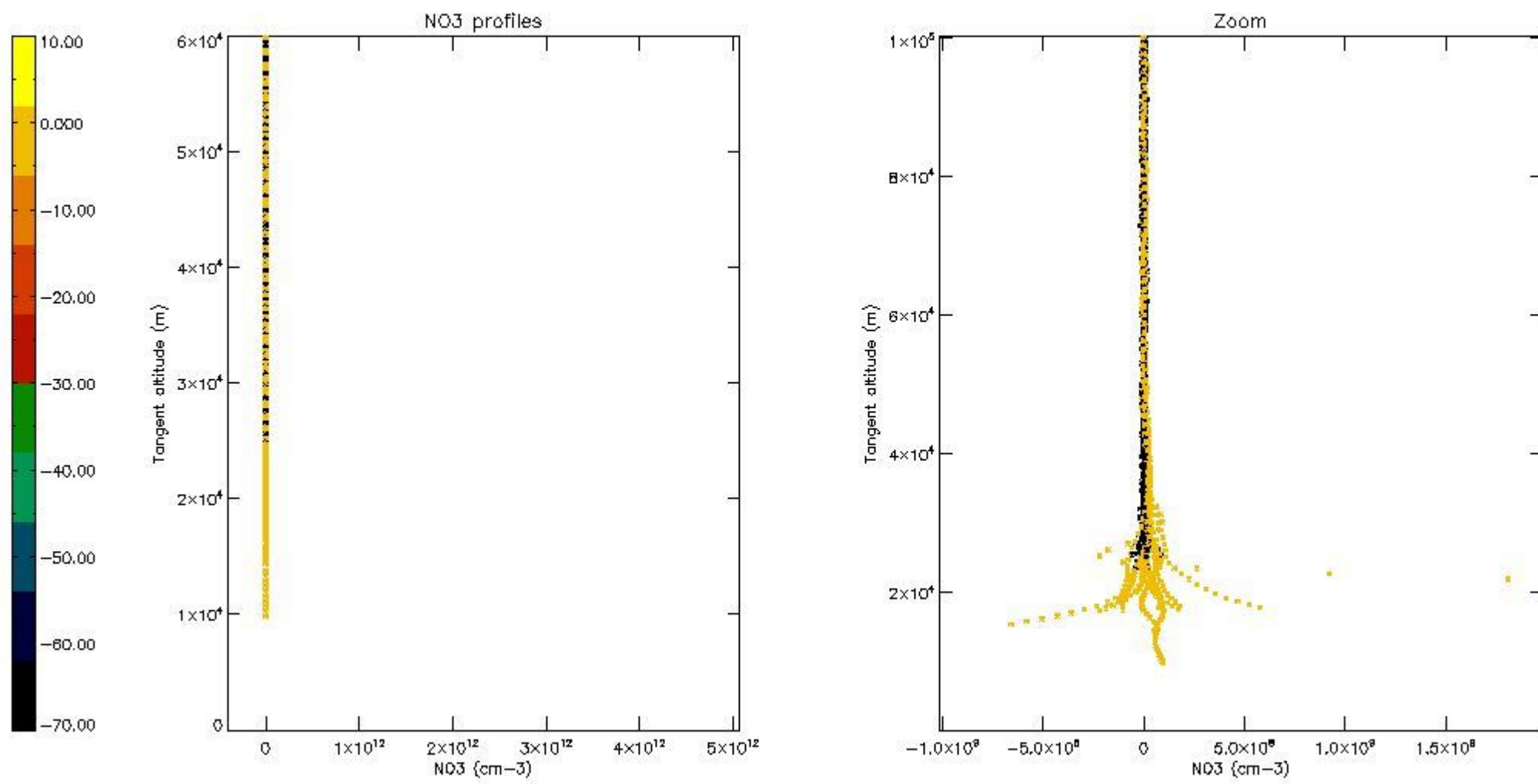
The colorbar represents the latitude.



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

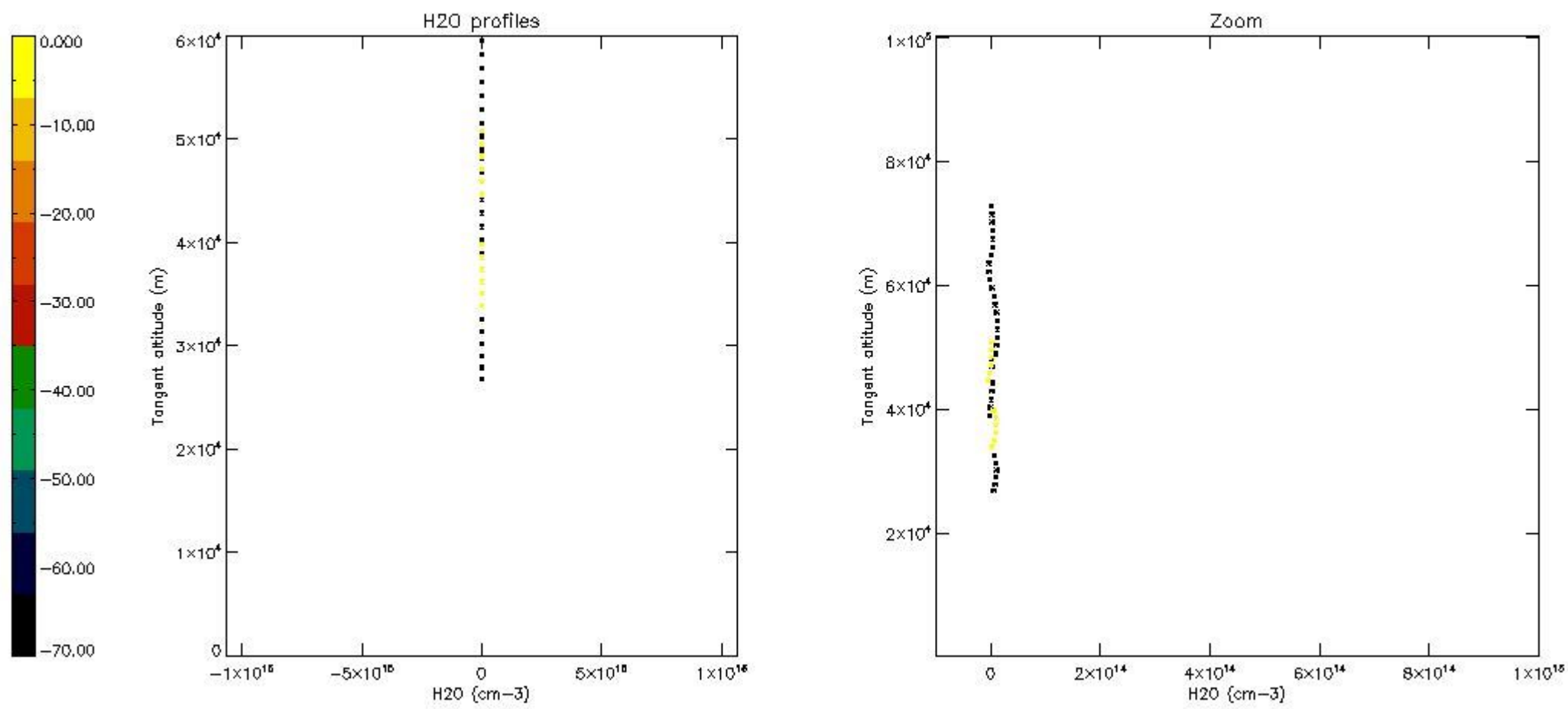
The colorbar represents the latitude.





5.8 Plot H<sub>2</sub>O profiles for all STD (only for occultations of stars 1,2,3,4,13,14,16,26,63 dark without errors)

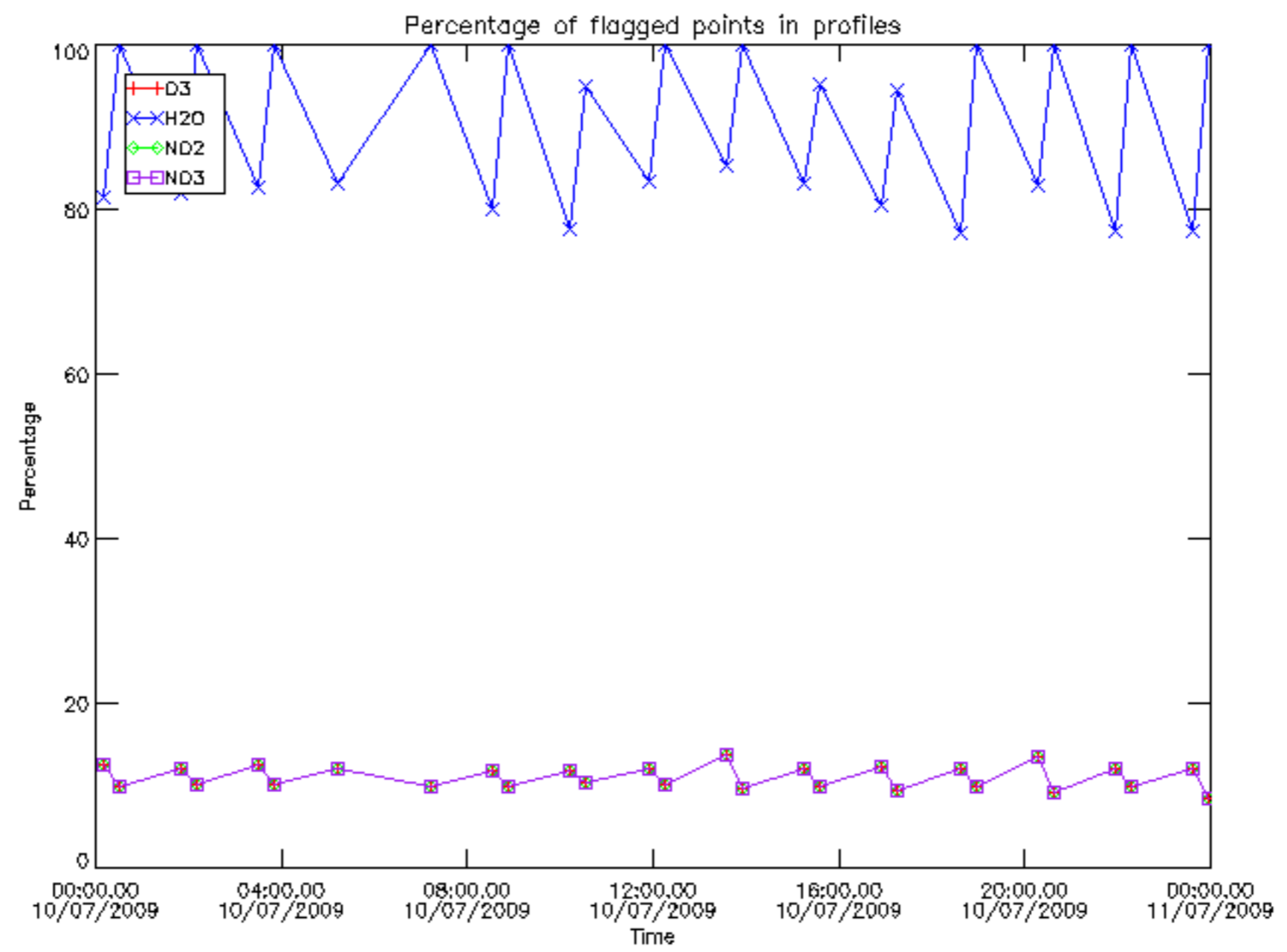
The colorbar represents the latitude.



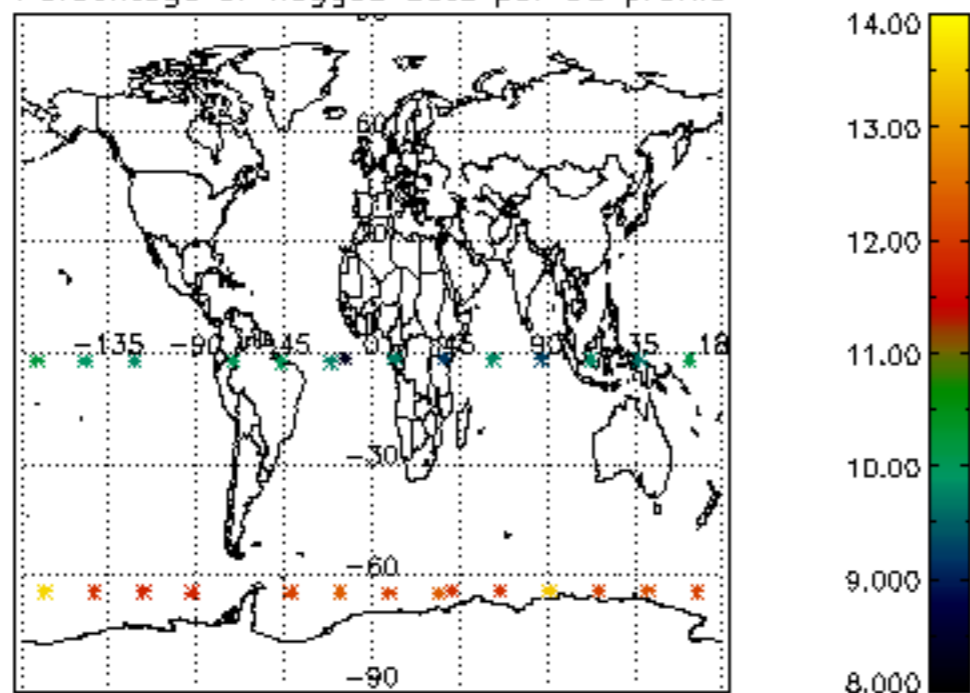
## 6. Auxiliary Data Files used for the production reported in section 2

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.

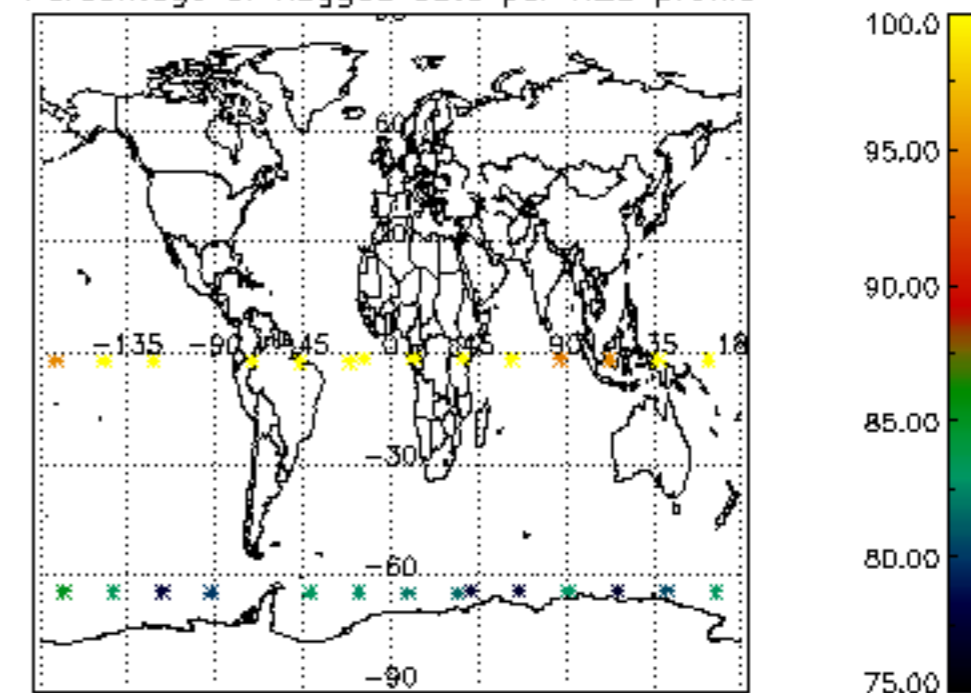
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	10-JUL-2009 00:09:31
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	10-JUL-2009 00:09:31
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	10-JUL-2009 00:09:31



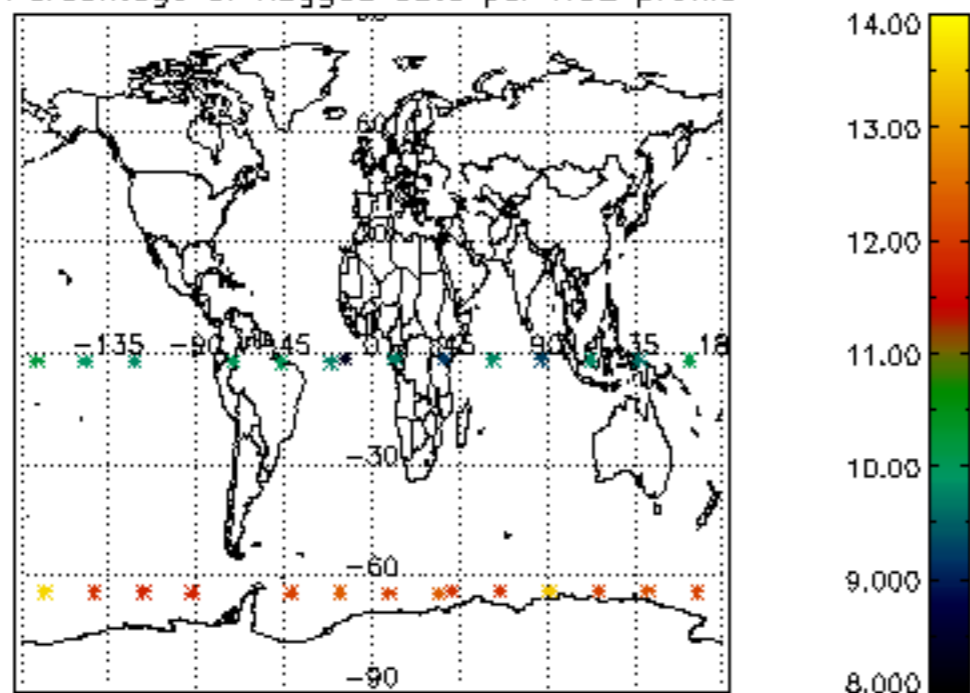
Percentage of flagged data per D3 profile



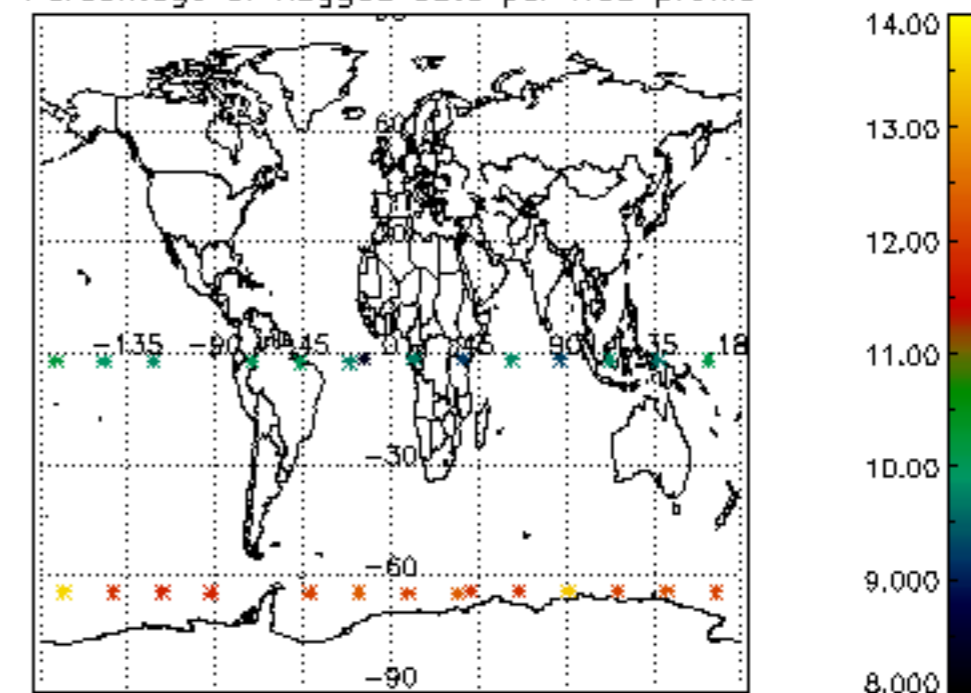
Percentage of flagged data per H2O profile

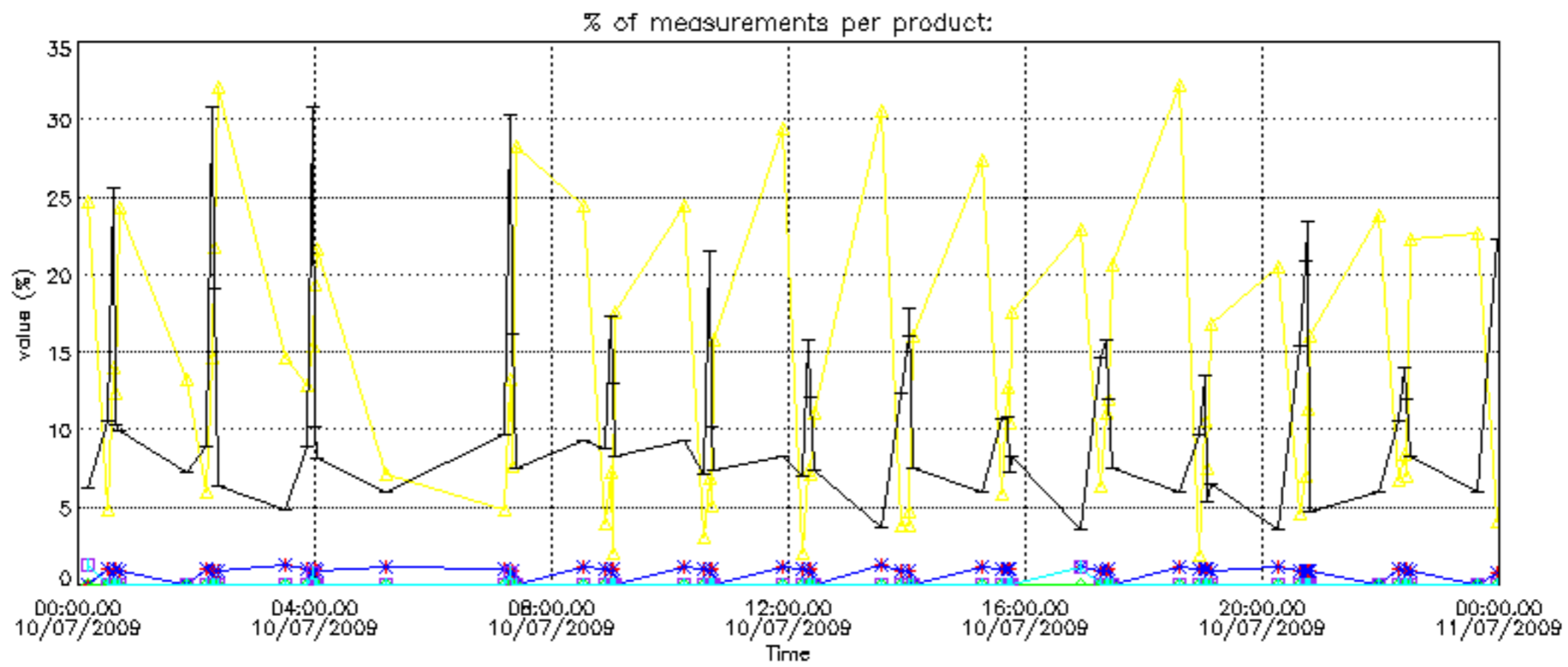


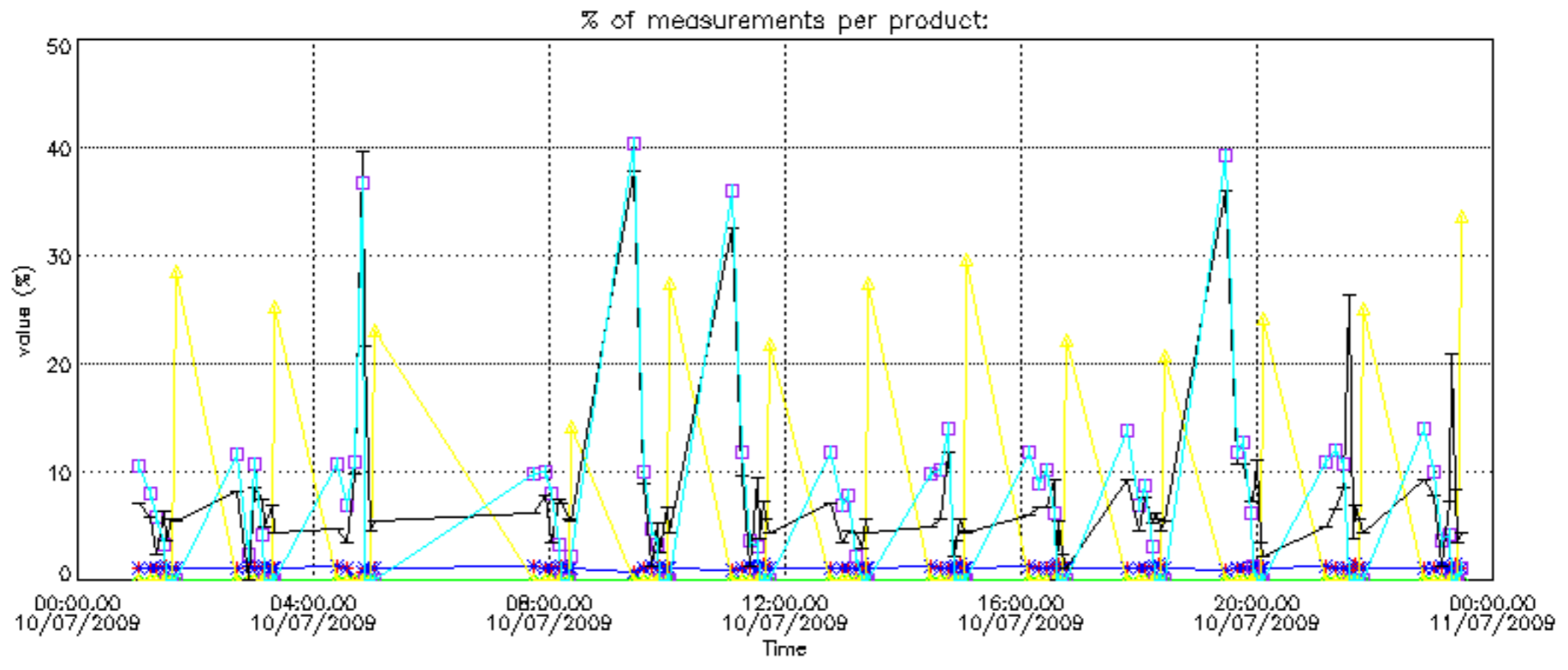
Percentage of flagged data per NO2 profile



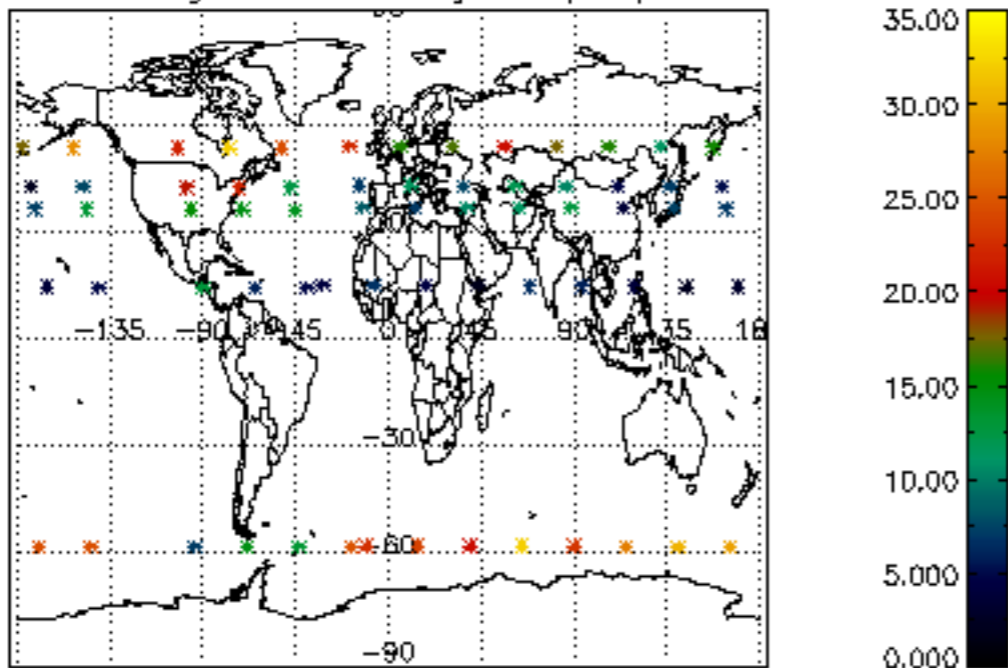
Percentage of flagged data per NO3 profile



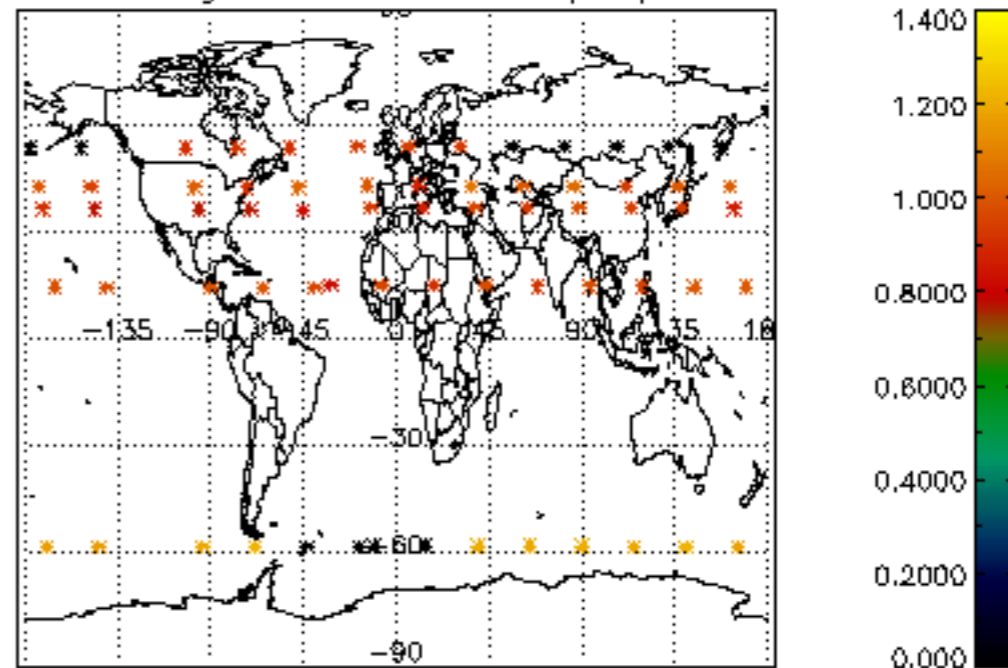




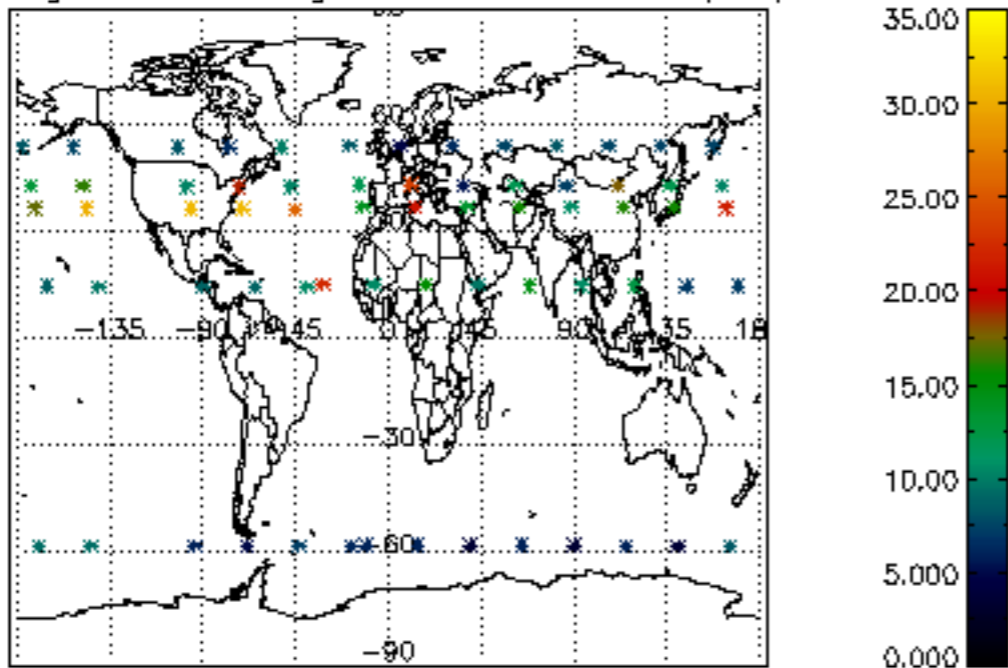
Percentage of cosmic ray hits per profile



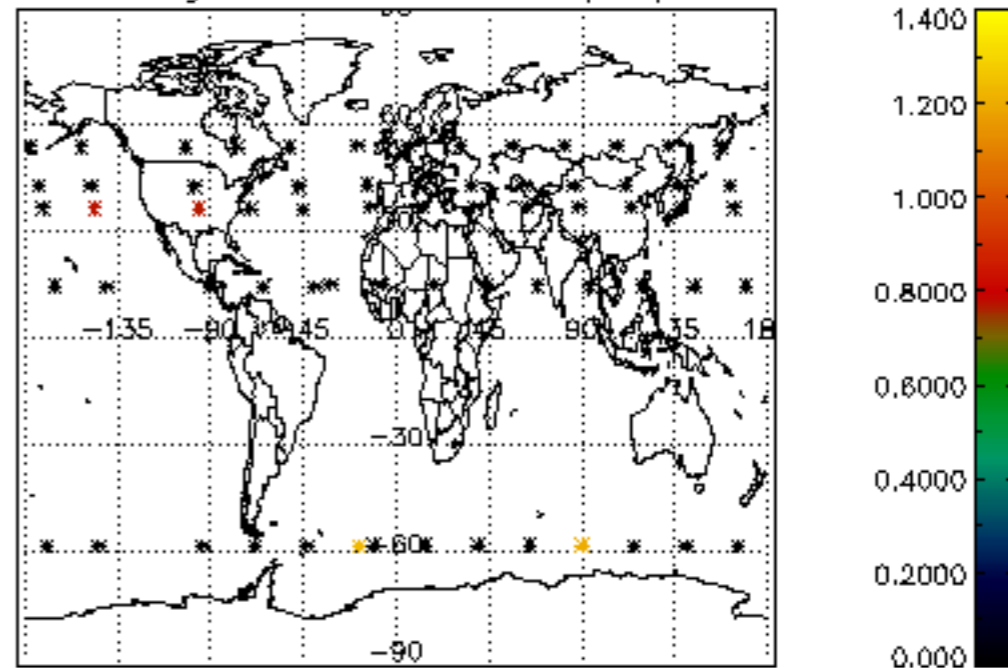
Percentage of datation errors per profile



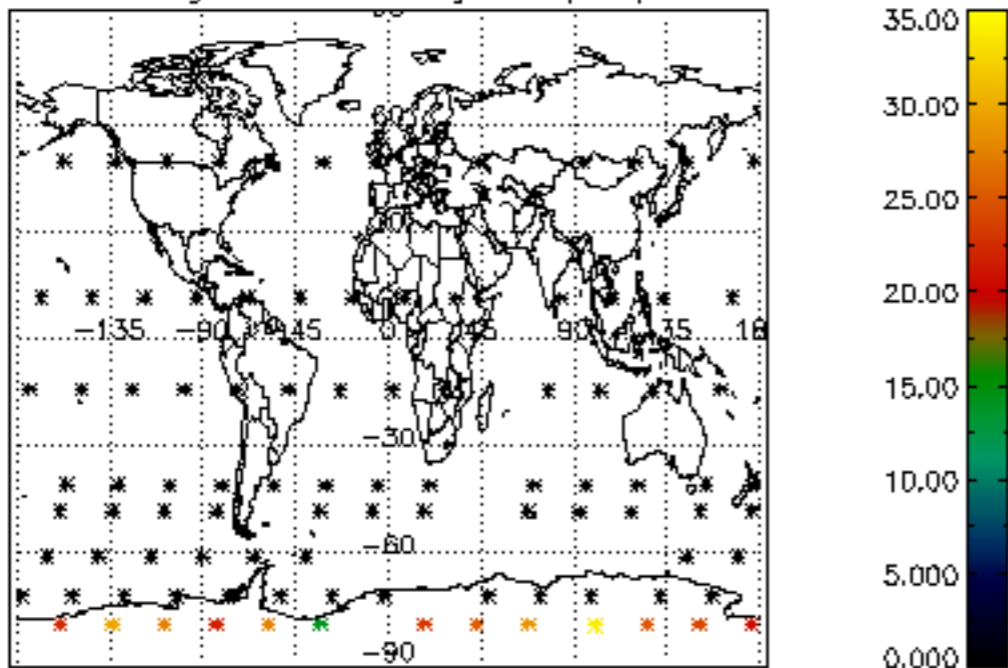
Percentage of star falling outside central band per profile



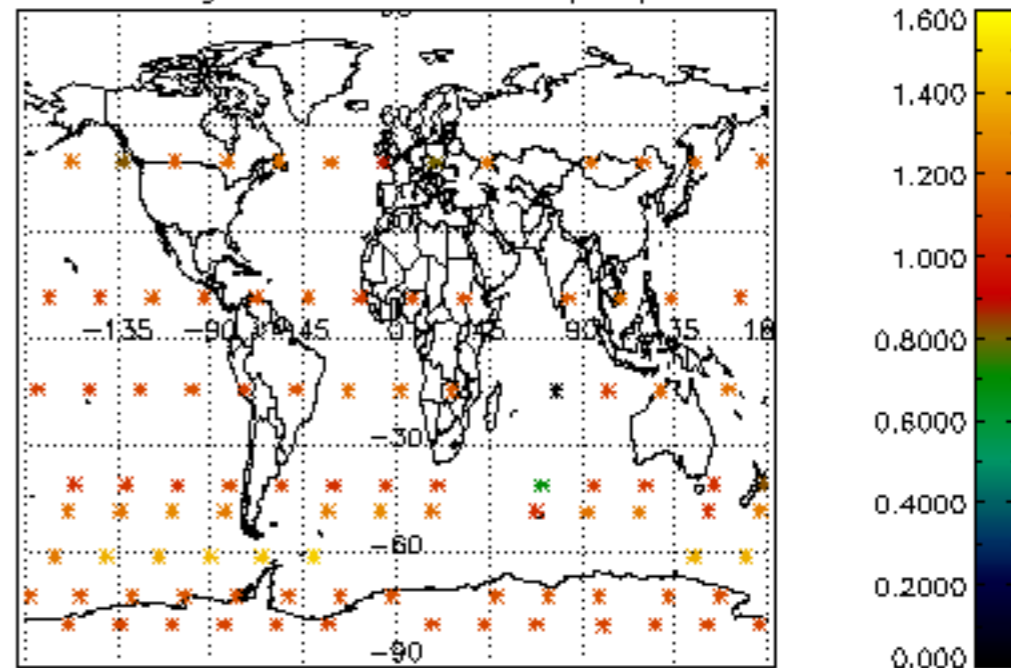
Percentage of saturation errors per profile



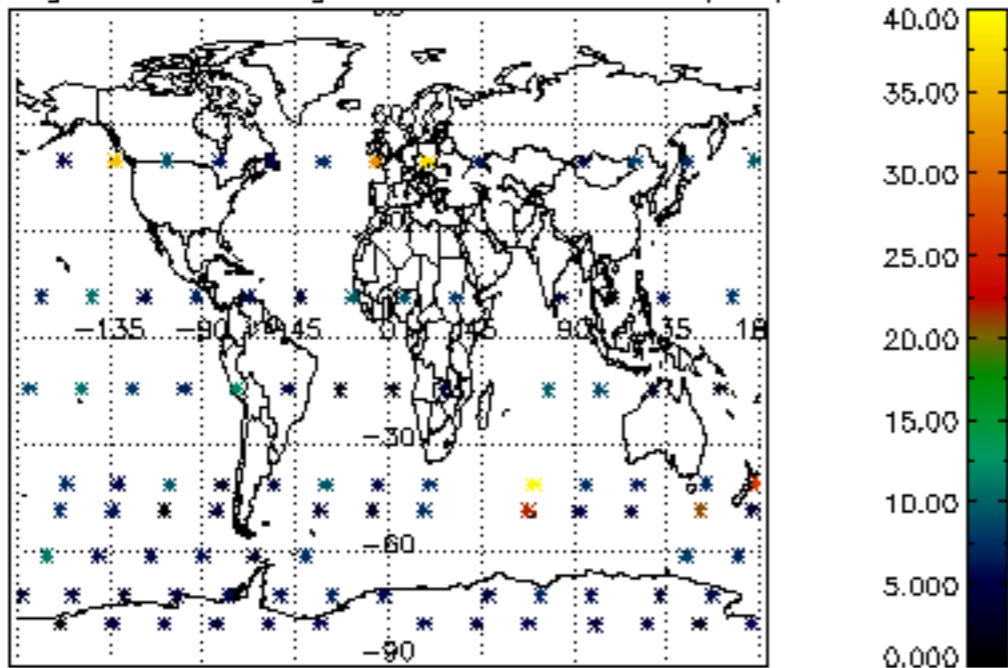
Percentage of cosmic ray hits per profile



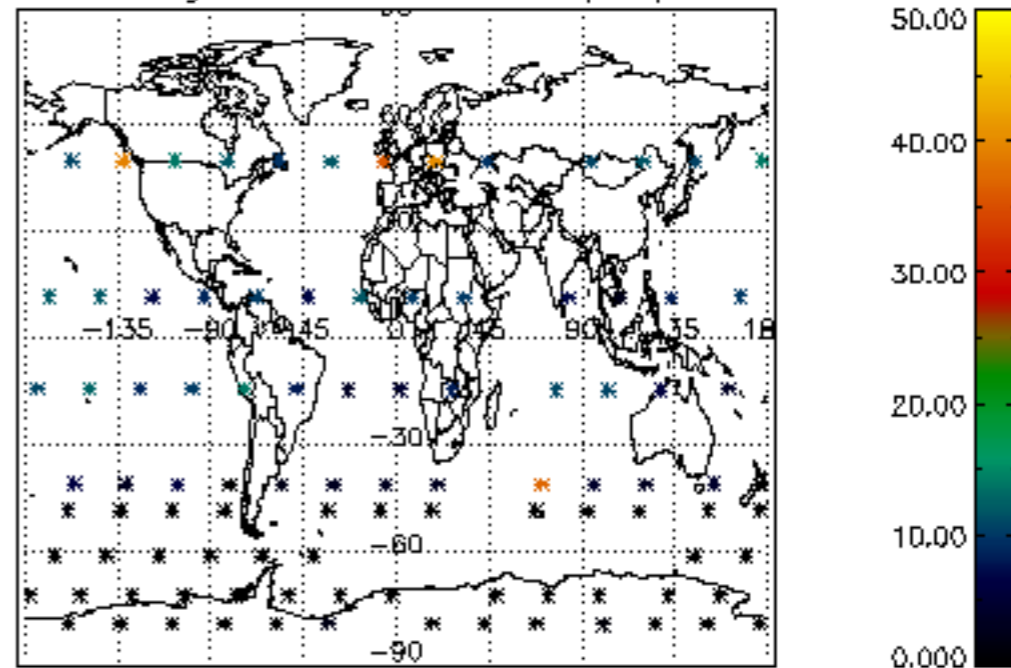
Percentage of datation errors per profile



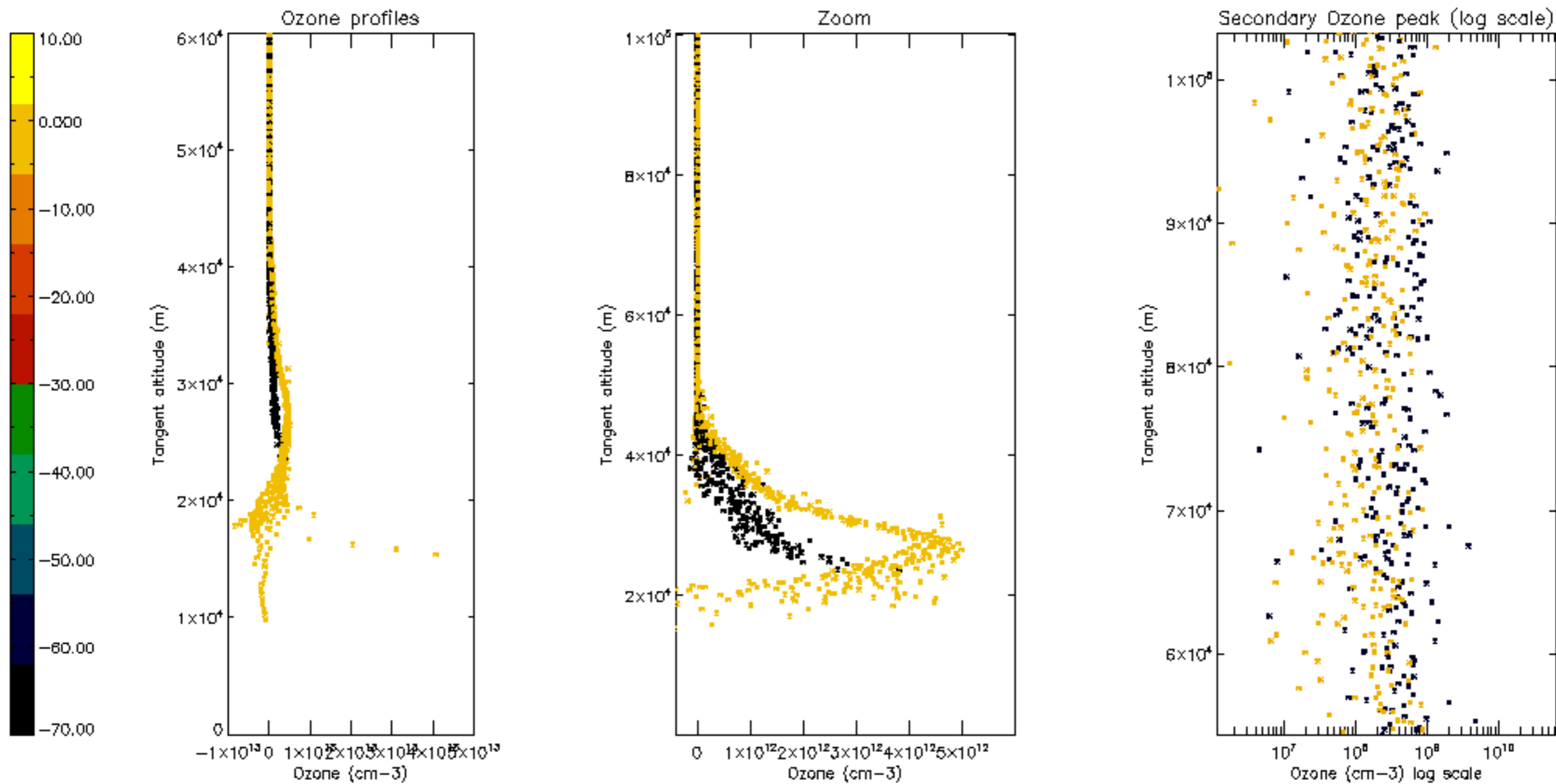
Percentage of star falling outside central band per profile

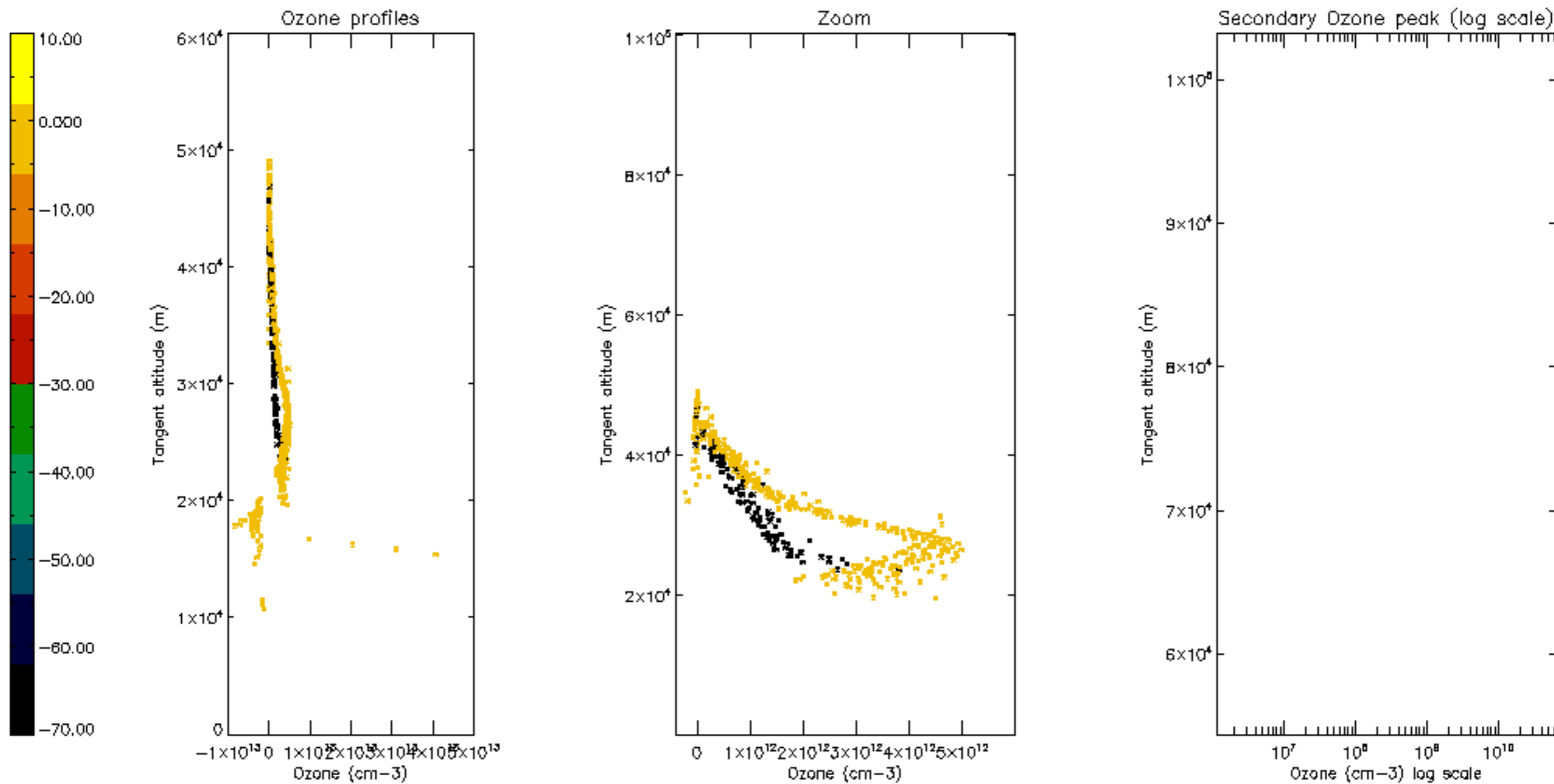


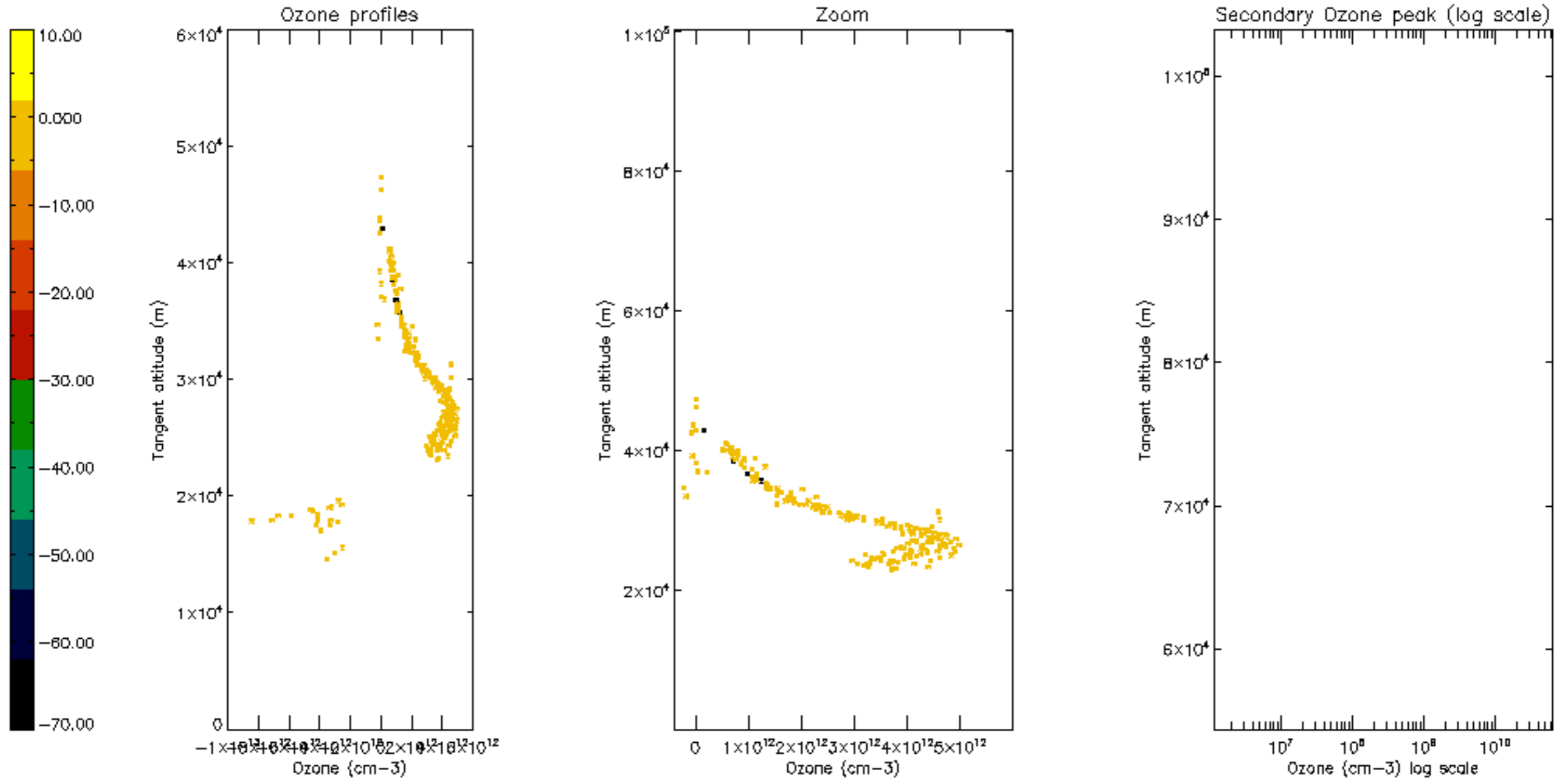
Percentage of saturation errors per profile

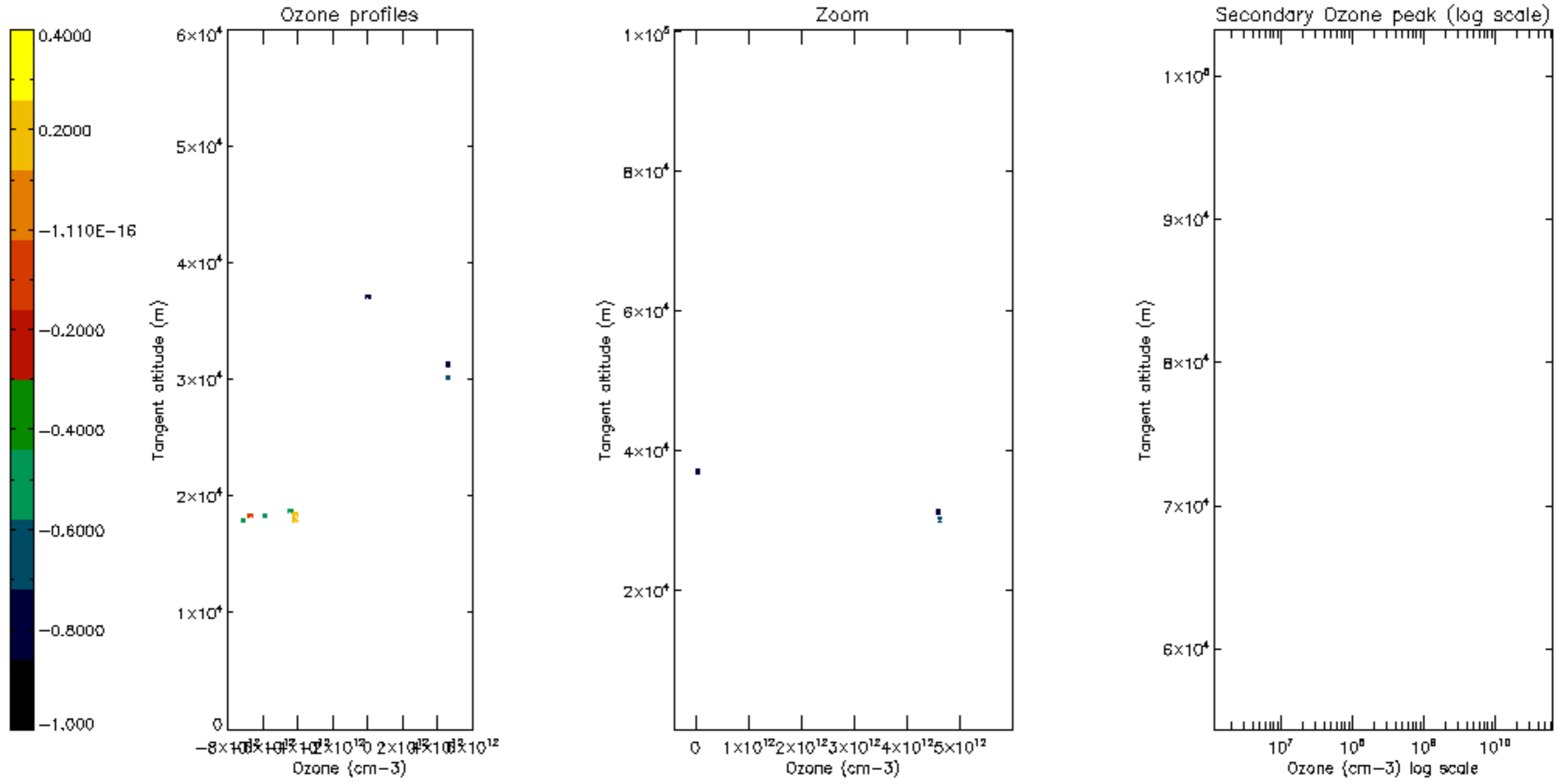


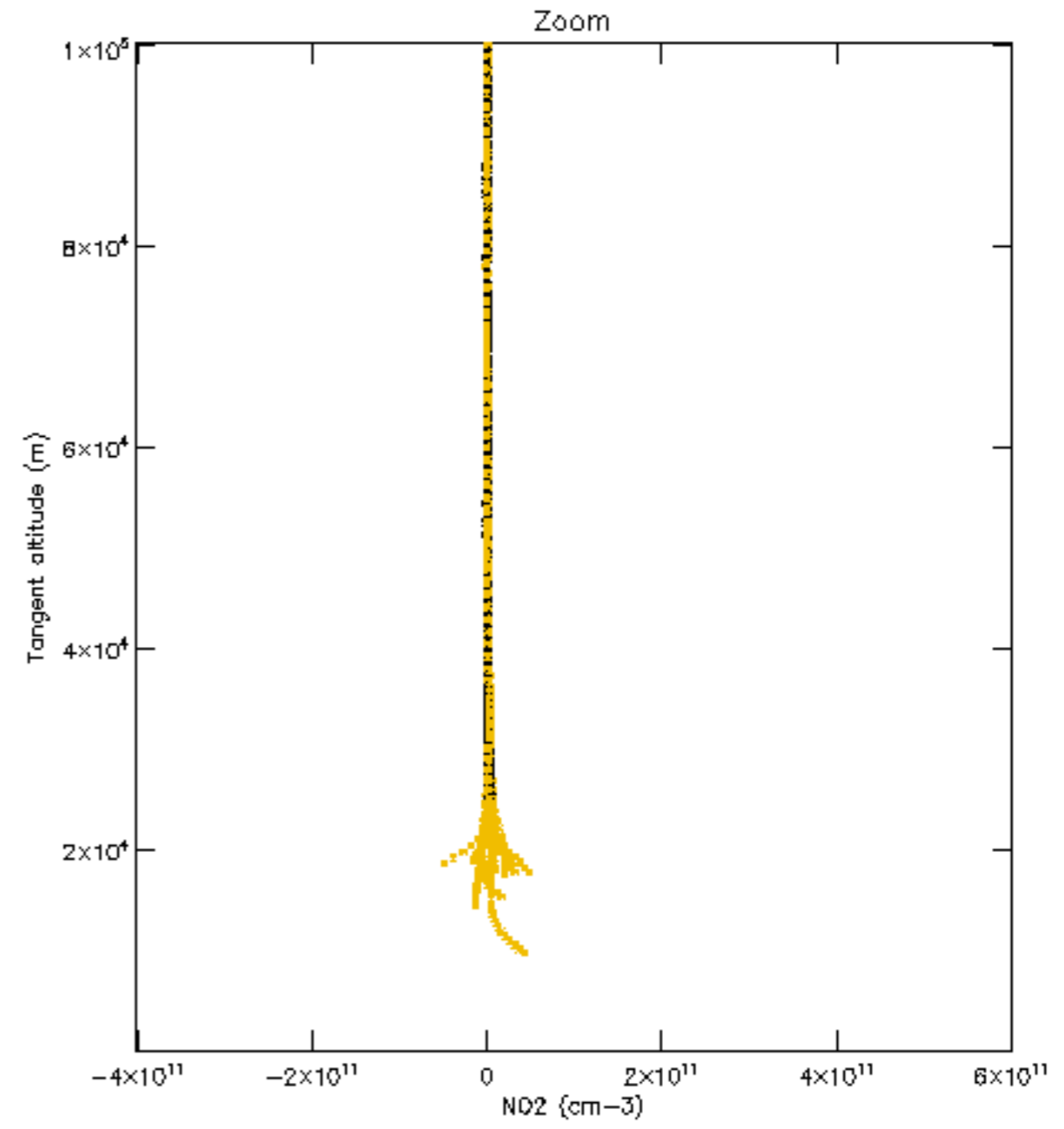
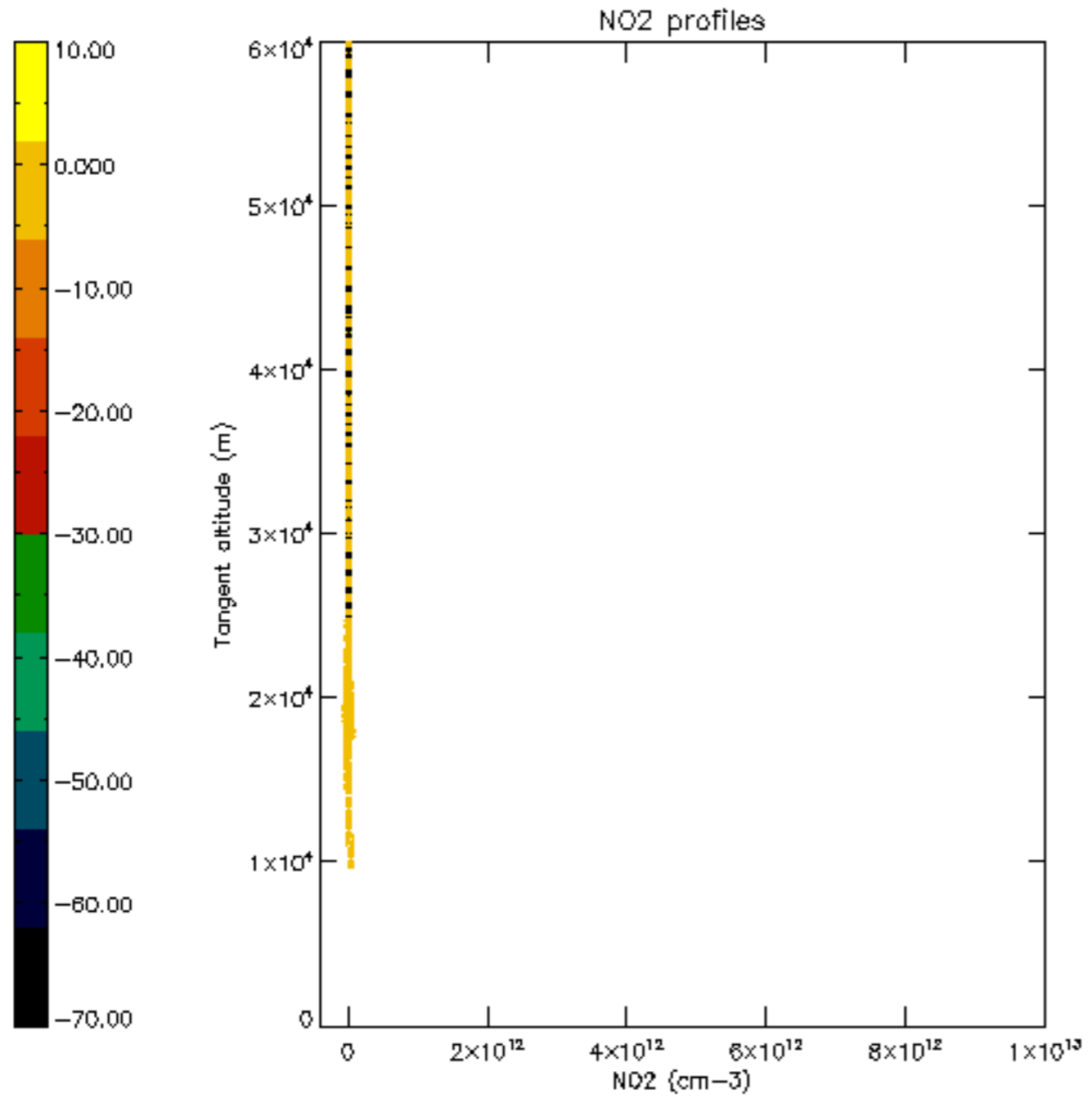


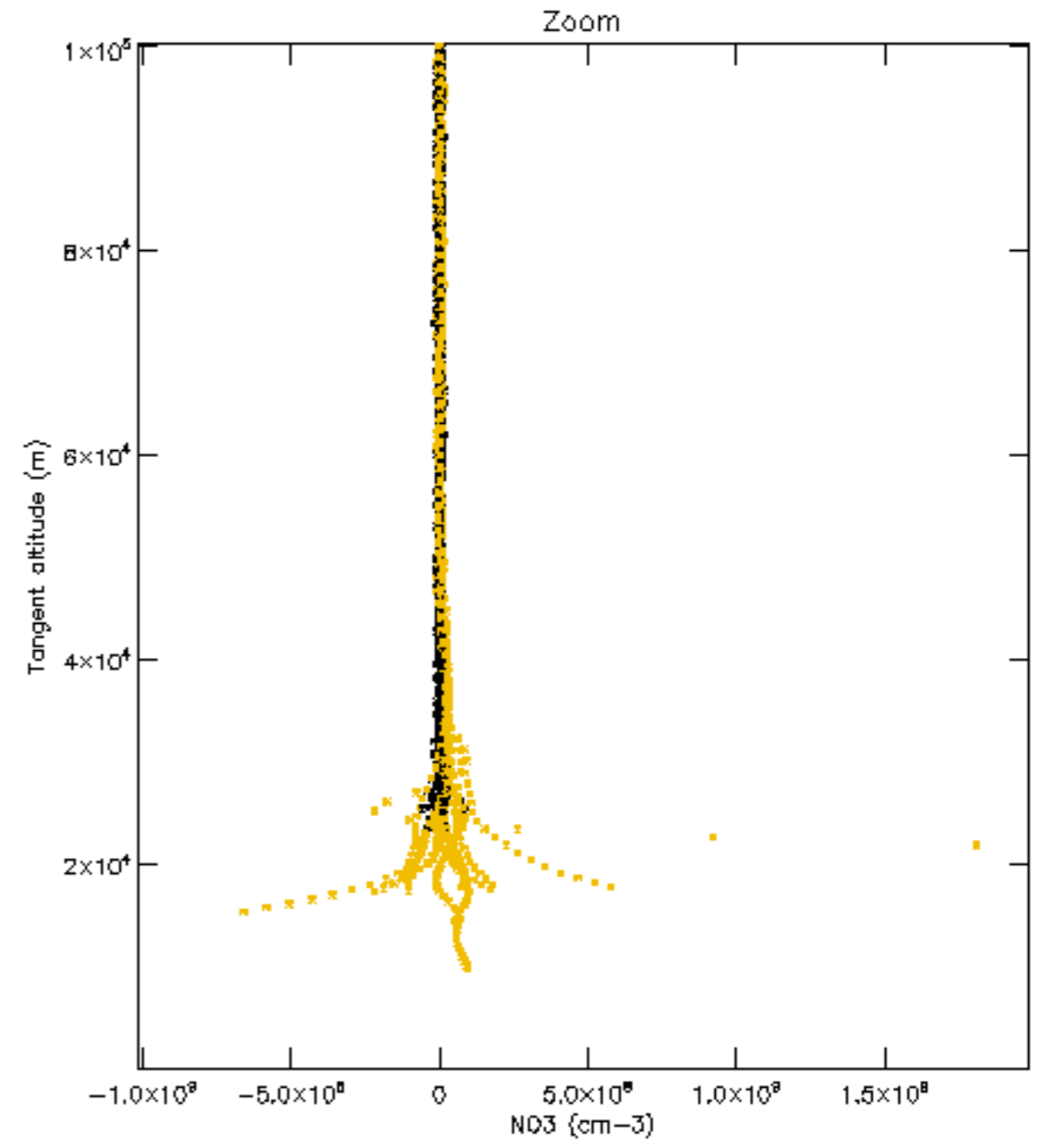
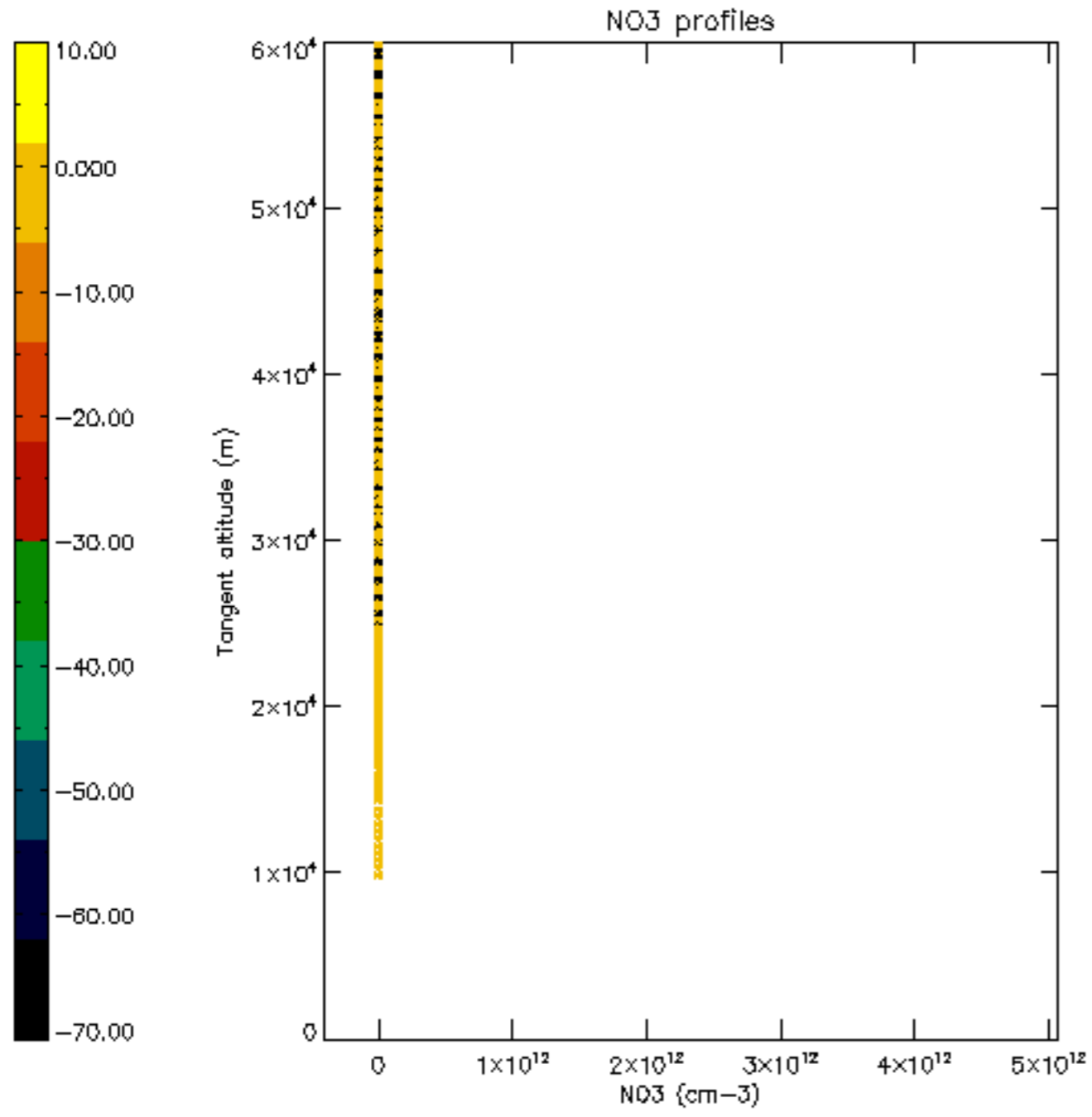


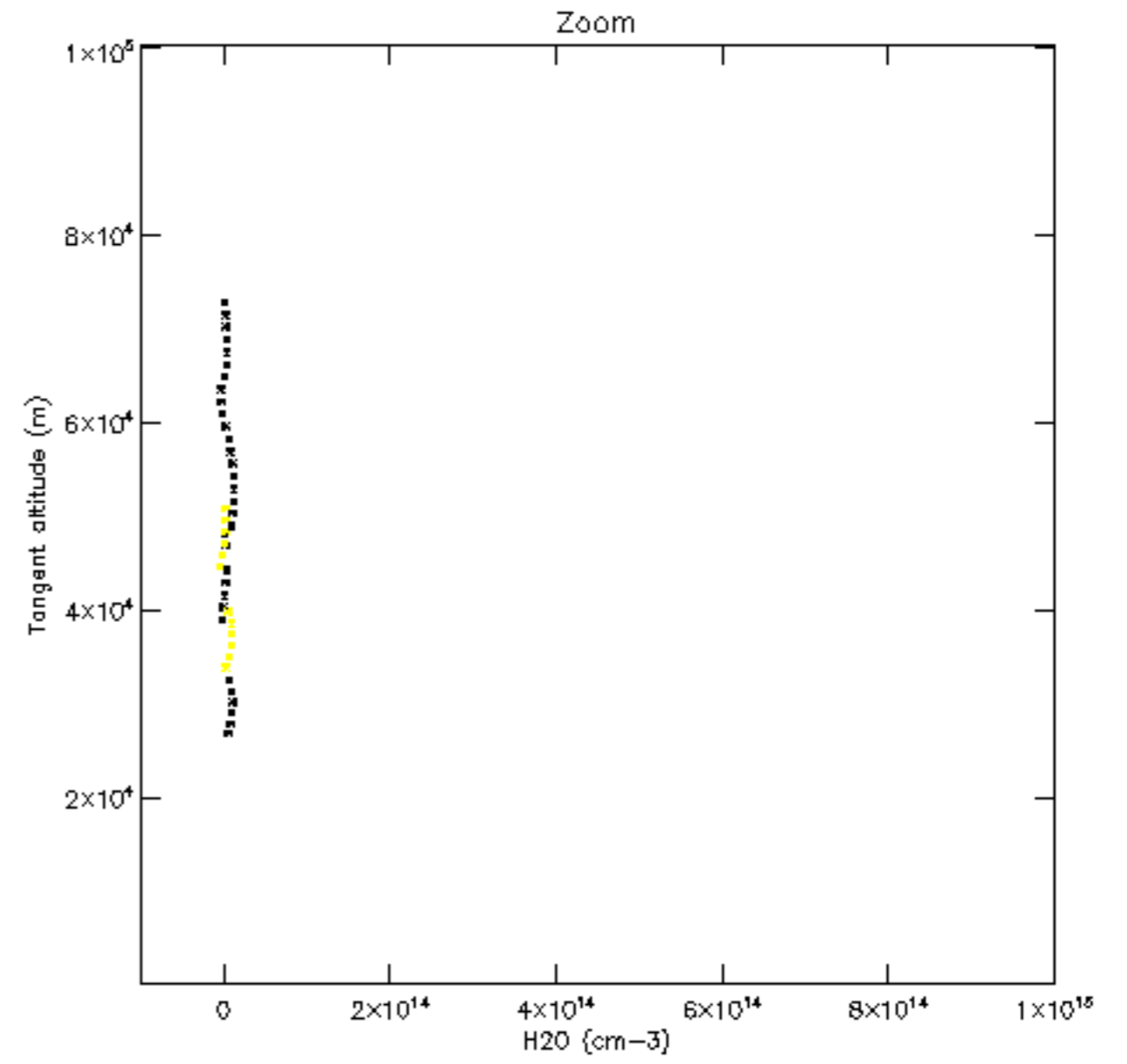
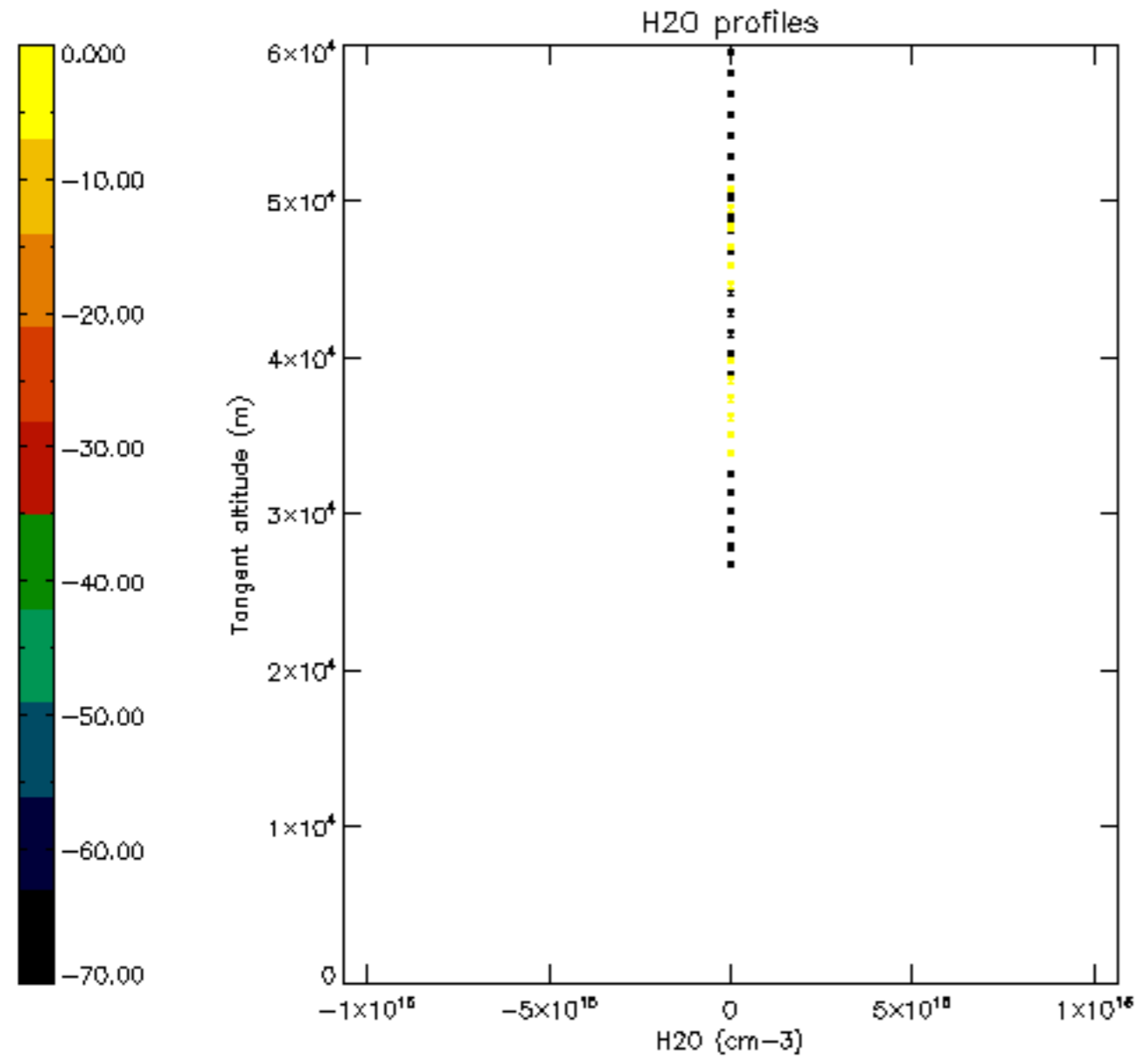


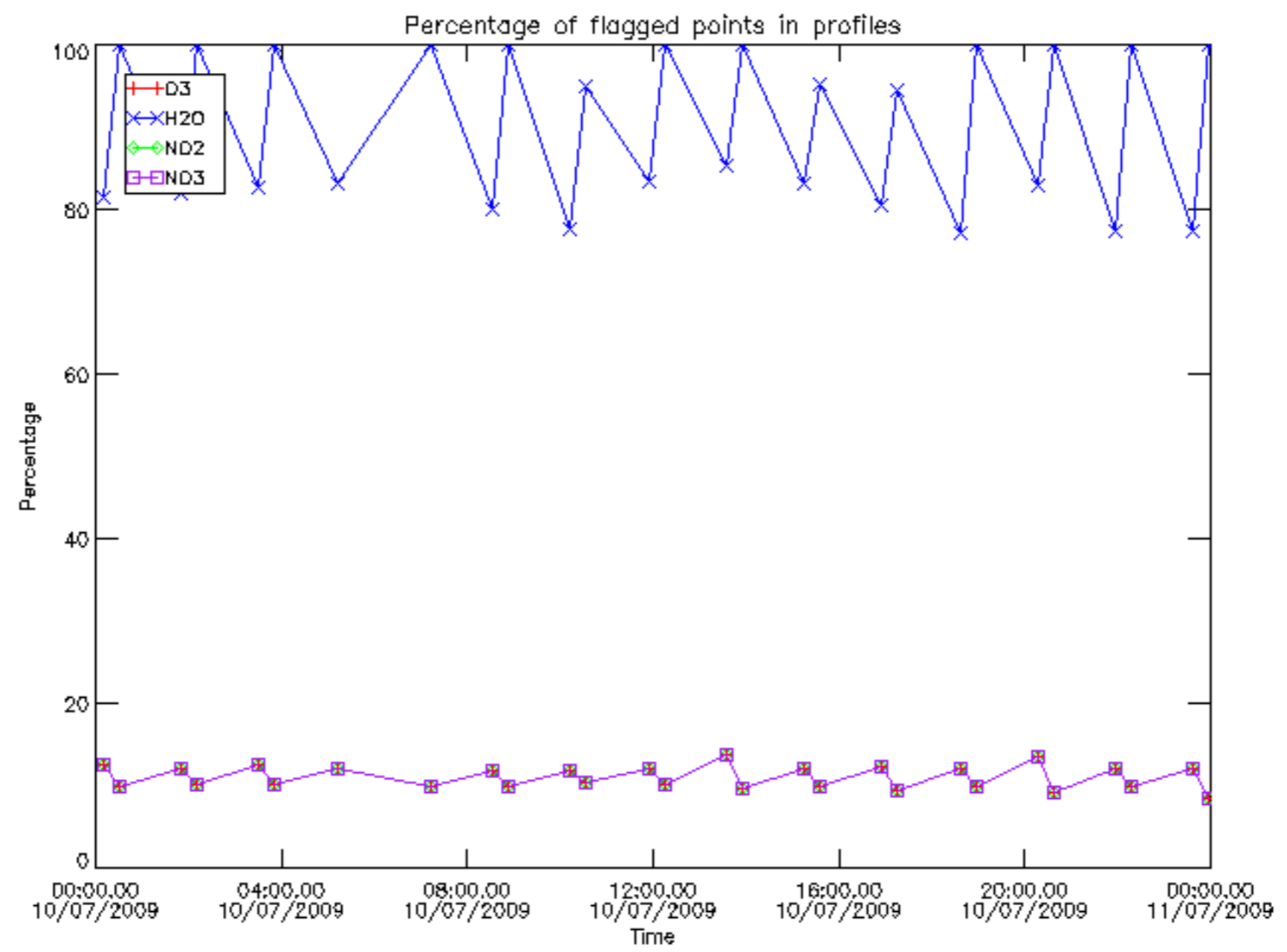






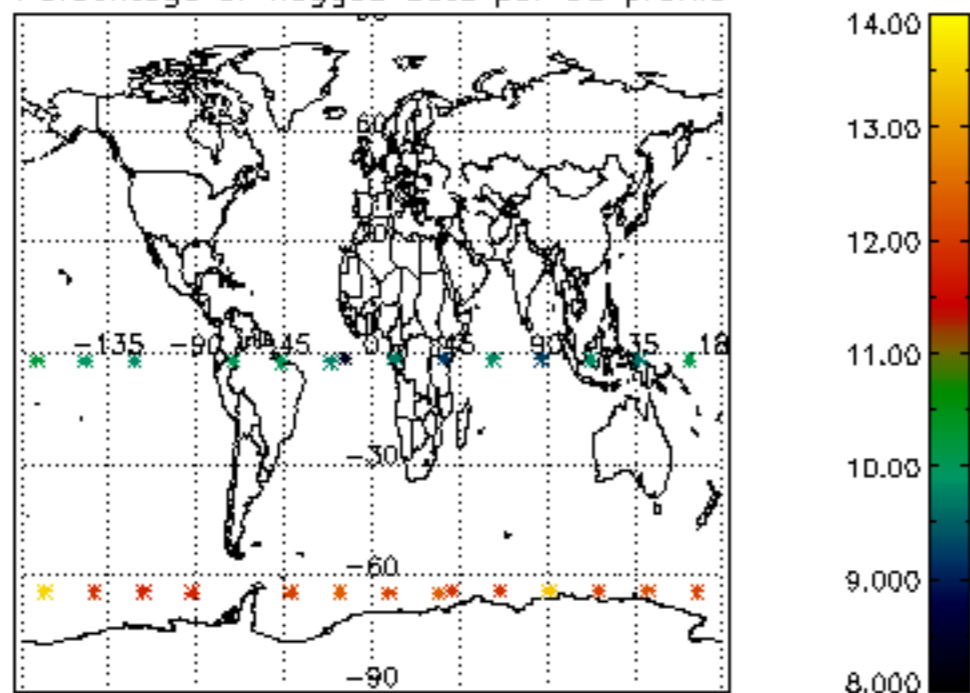




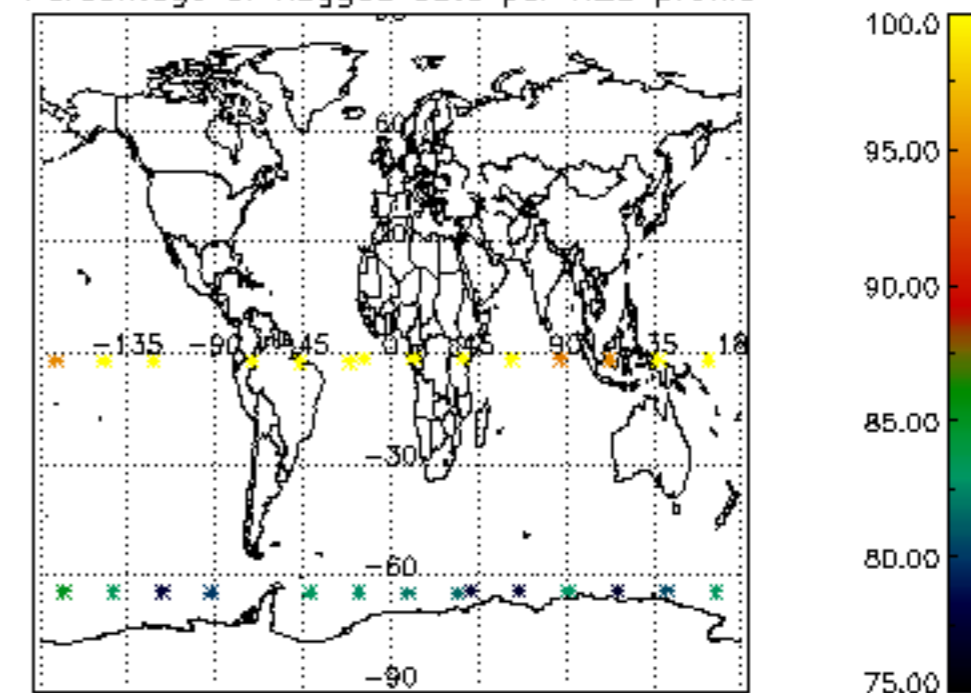




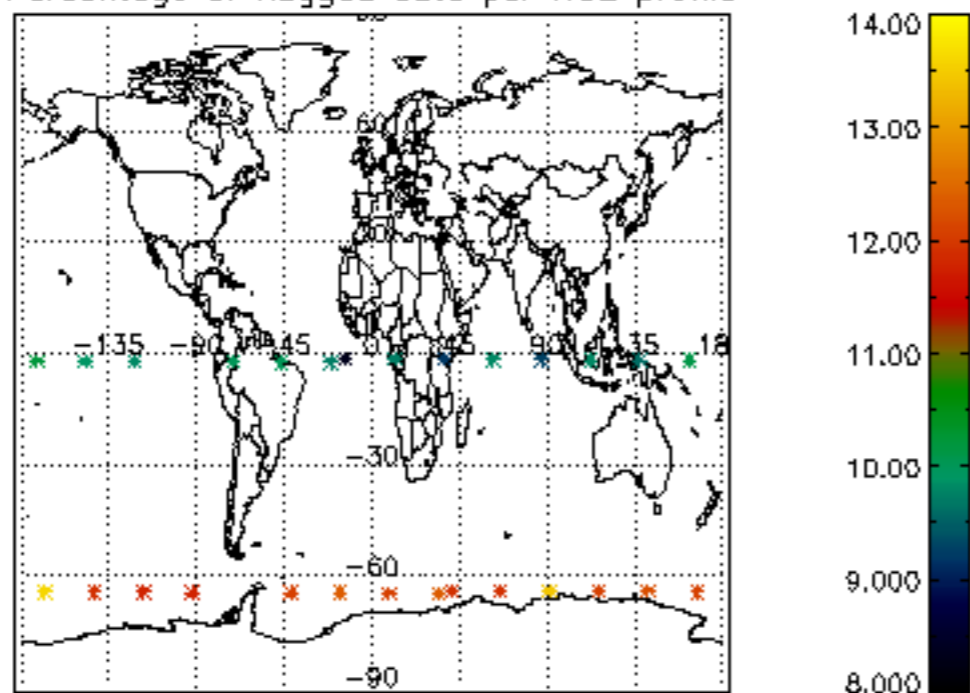
Percentage of flagged data per D3 profile



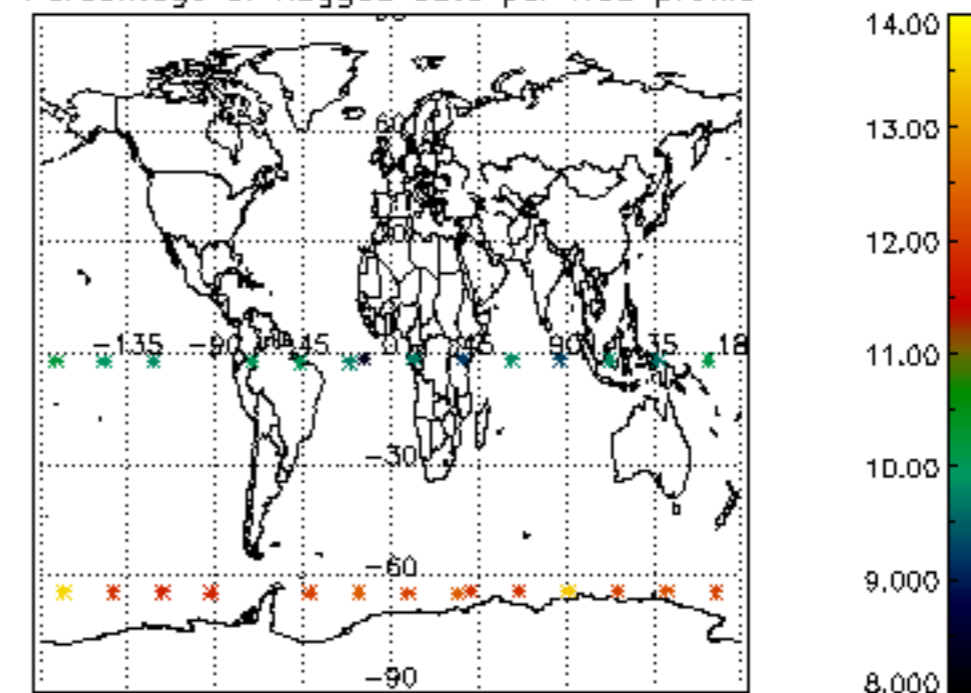
Percentage of flagged data per H2O profile

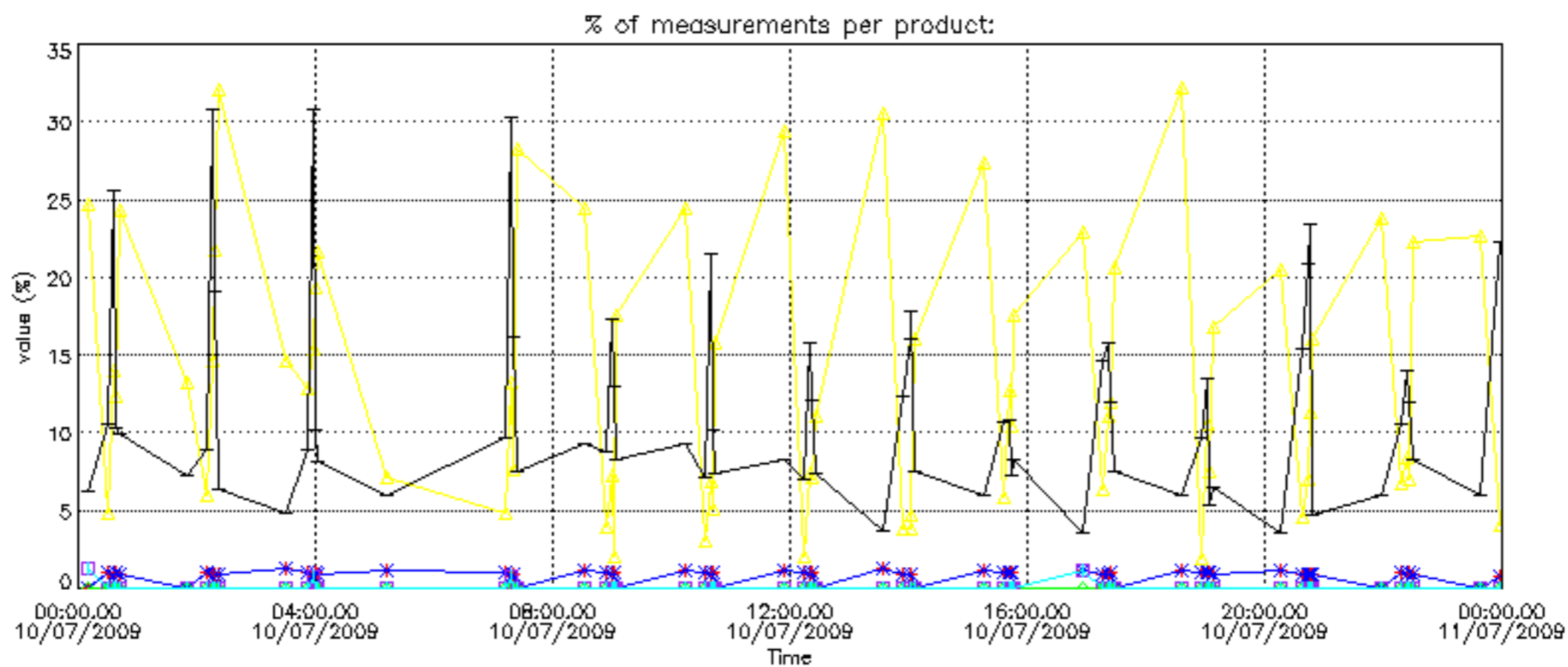


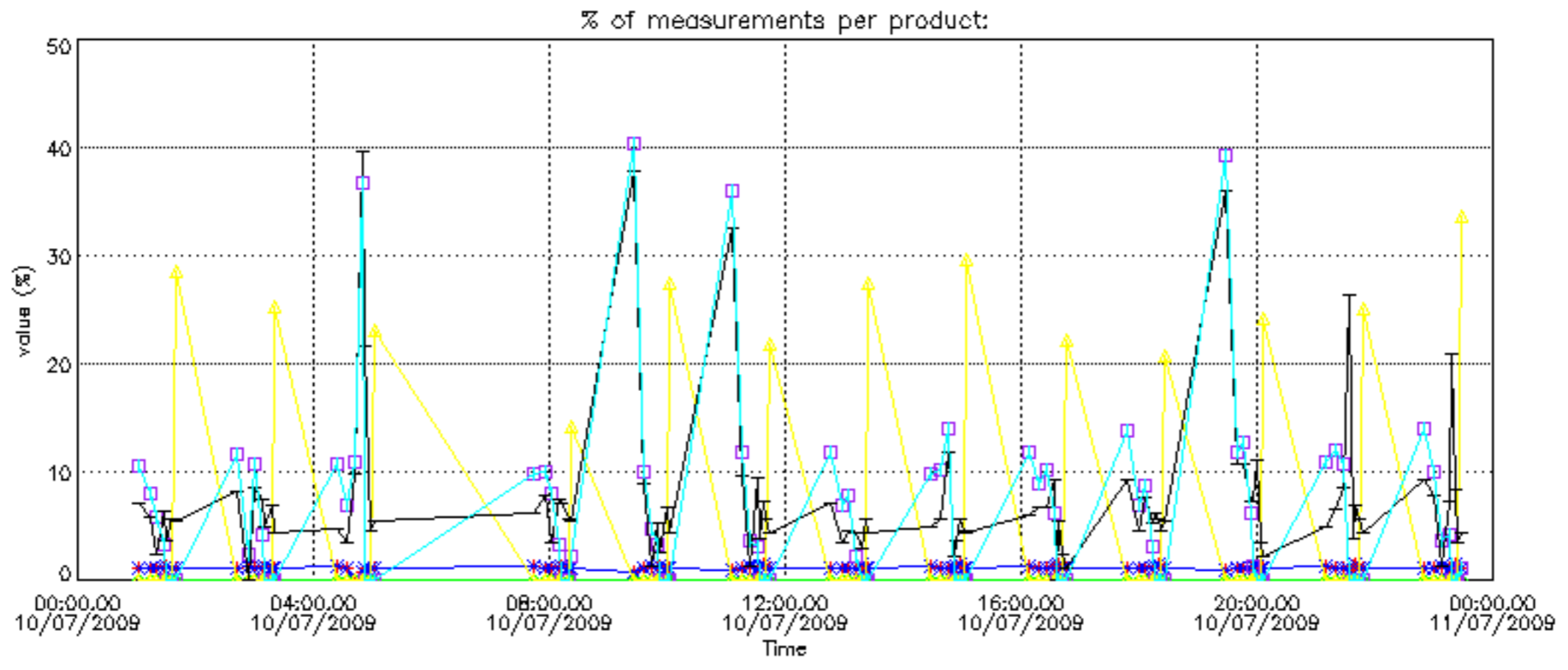
Percentage of flagged data per NO2 profile



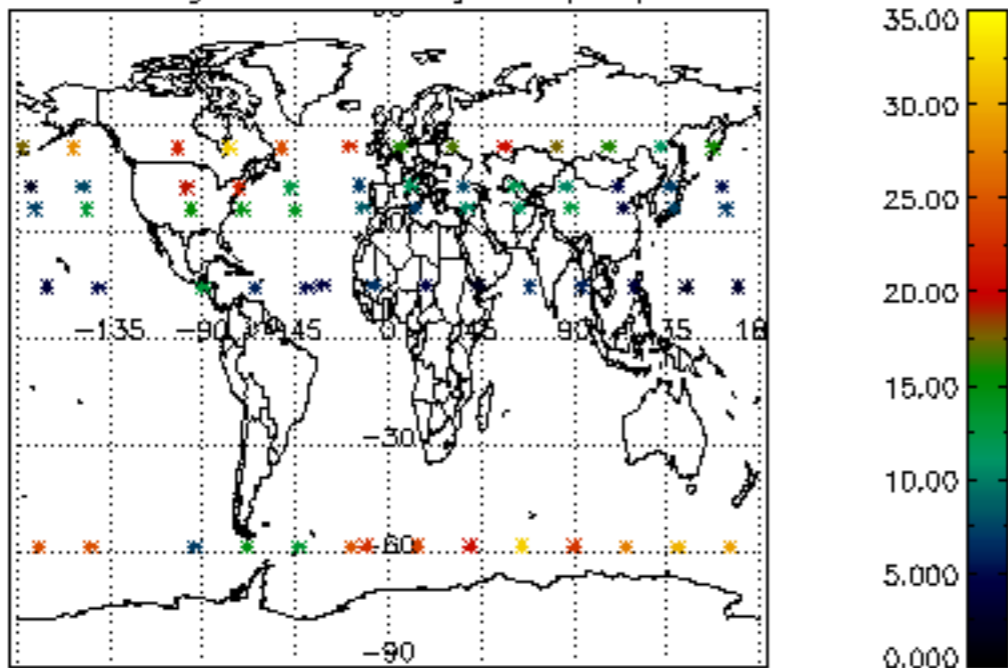
Percentage of flagged data per NO3 profile



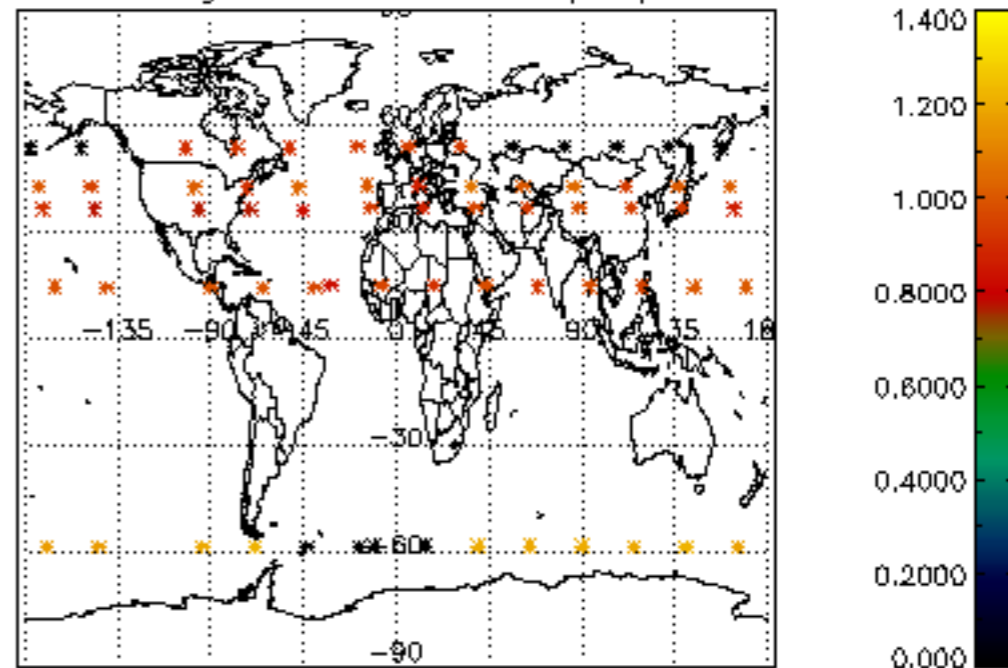




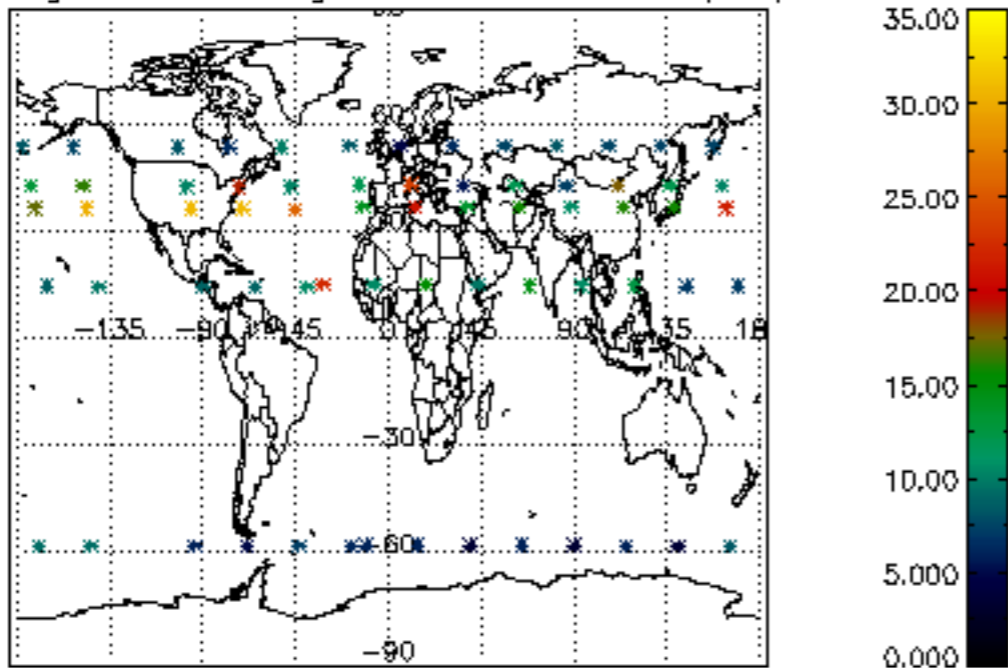
Percentage of cosmic ray hits per profile



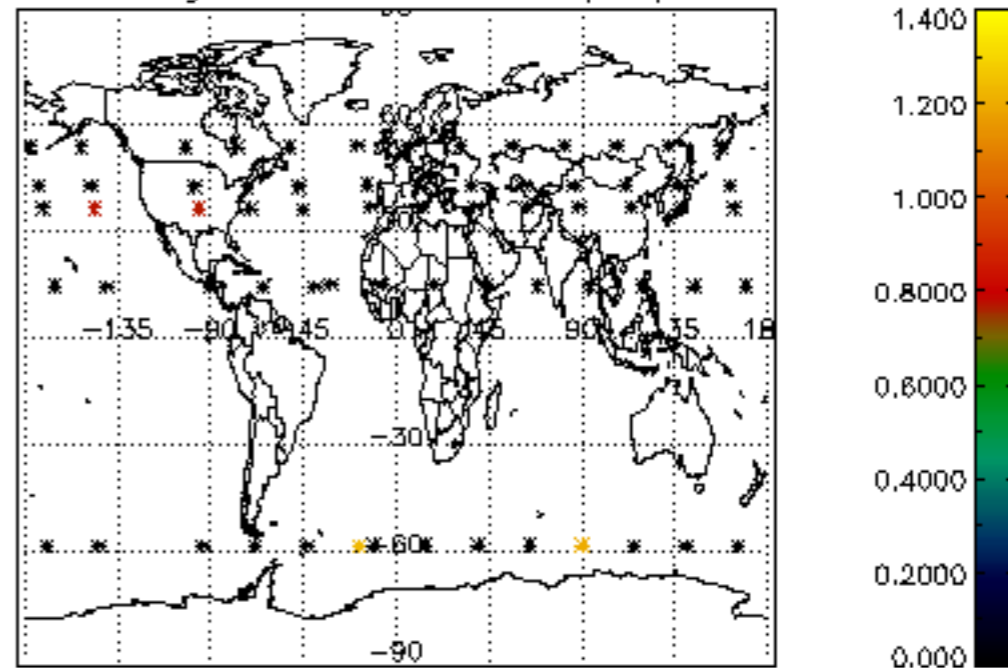
Percentage of datation errors per profile



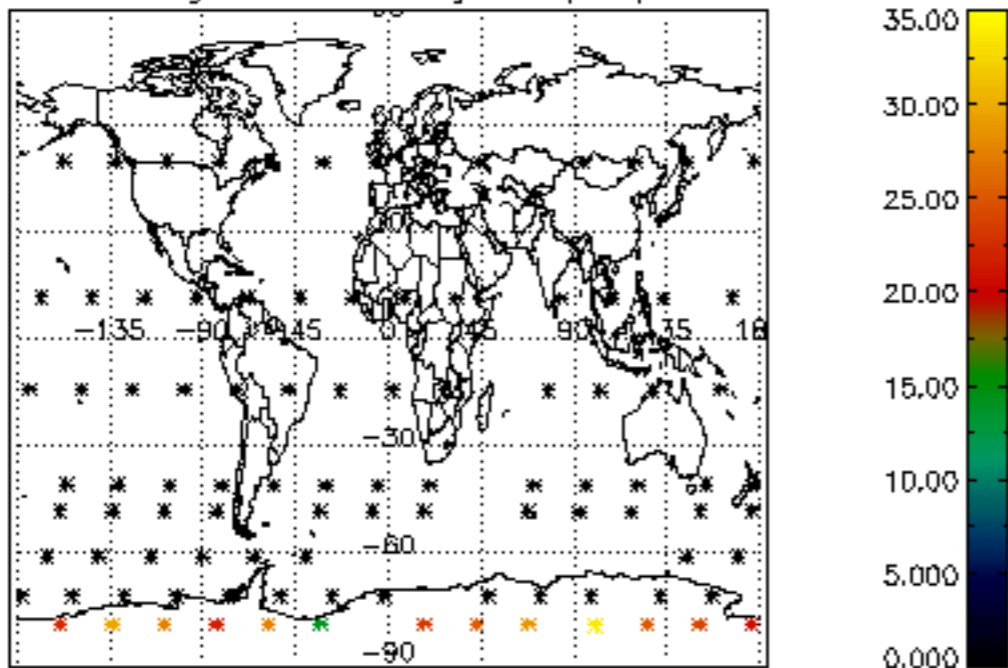
Percentage of star falling outside central band per profile



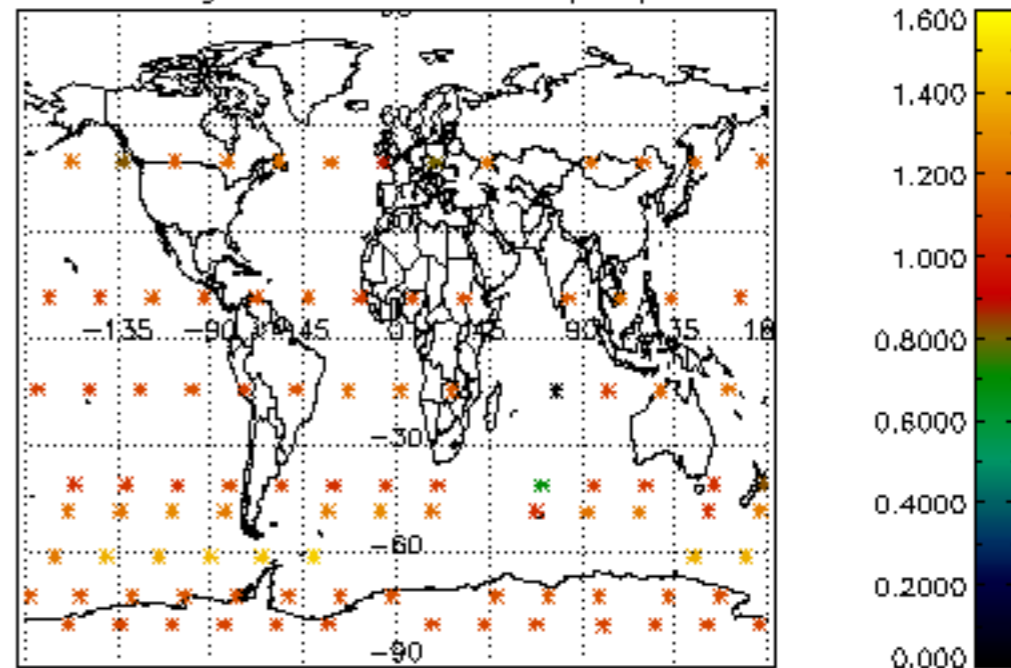
Percentage of saturation errors per profile



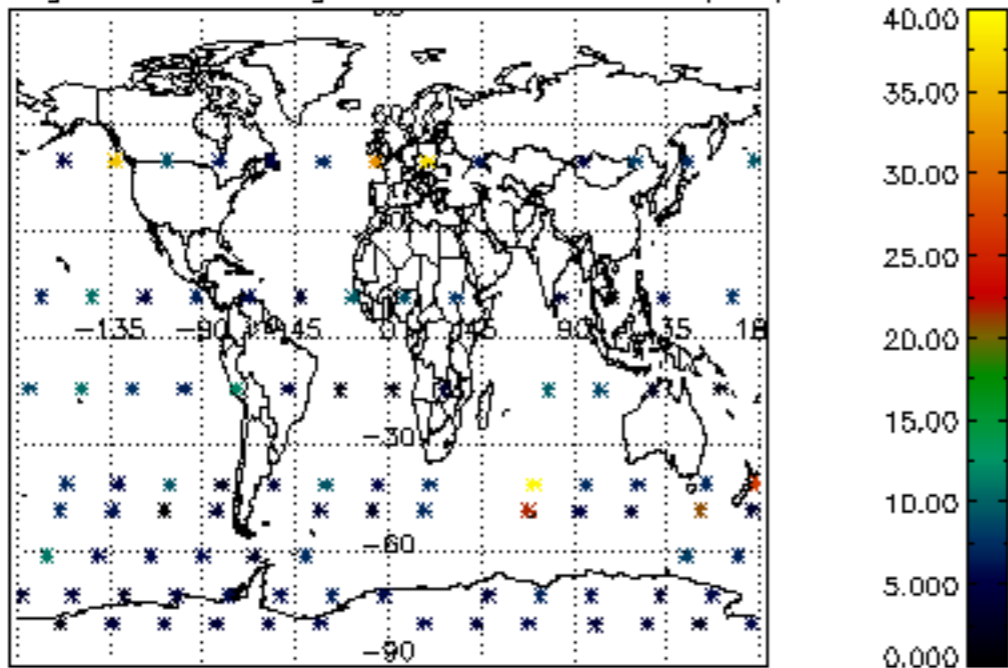
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

