

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	23APR2013 00:23:48
Data source version	GOMOS/6.01
Start time of products	15-08-2007 (15AUG2007 00:00:00)
Stop time of products	16-08-2007 (16AUG2007 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	270
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__2PRFIN20070815_000306_000000372060_00417_28527_7763.N1	15-AUG-2007 00:03:06	Bright	37.000	11	53Alp Aql	0.76500	8000.0	74	28527	No
2	GOM_NL__2PRFIN20070815_001031_000000392060_00417_28527_7764.N1	15-AUG-2007 00:10:31	Bright	39.000	92	53Eps Cyg	2.5000	4500.0	78	28527	No
3	GOM_NL__2PRFIN20070815_001204_000000352060_00417_28527_7765.N1	15-AUG-2007 00:12:04	Bright	34.500	66	37Gam Cyg	2.2080	5900.0	69	28527	No
4	GOM_NL__2PRFIN20070815_001343_000000392060_00417_28527_7766.N1	15-AUG-2007 00:13:43	Bright	39.000	19	50Alp Cyg	1.2460	10500.	78	28527	No
5	GOM_NL__2PRFIN20070815_001906_000000392060_00417_28527_7767.N1	15-AUG-2007 00:19:06	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	28527	No
6	GOM_NL__2PRFIN20070815_002601_000000332060_00417_28527_7768.N1	15-AUG-2007 00:26:01	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	28527	No
7	GOM_NL__2PRFIN20070815_003904_000000422060_00417_28527_7769.N1	15-AUG-2007 00:39:04	Bright	42.000	42	34Bet Aur	1.9000	10200.	84	28527	No
8	GOM_NL__2PRFIN20070815_004129_000000412060_00417_28527_7770.N1	15-AUG-2007 00:41:29	Bright	41.000	107	37The Aur	2.6490	11000.	82	28527	No
9	GOM_NL__2PRFIN20070815_004545_000000472060_00417_28527_7771.N1	15-AUG-2007 00:45:45	Twilight	46.500	151	13Mu Gem	2.8900	3000.0	93	28527	No
10	GOM_NL__2PRFIN20070815_004719_000000412060_00417_28527_7772.N1	15-AUG-2007 00:47:19	Twilight	41.000	44	24Gam Gem	1.9280	11000.	82	28527	No
11	GOM_NL__2PRFIN20070815_005046_000000582060_00417_28527_7773.N1	15-AUG-2007 00:50:46	Dark	58.000	14	58Alp Ori	0.87000	3000.0	116	28527	No
12	GOM_NL__2PRFIN20070815_005357_000000482060_00417_28527_7774.N1	15-AUG-2007 00:53:57	Dark	47.500	33	50Zet Ori	1.7660	30000.	95	28527	No
13	GOM_NL__2PRFIN20070815_005625_000000432060_00417_28527_7775.N1	15-AUG-2007 00:56:25	Dark	42.500	1	9Alp CMa	-1.4400	11000.	85	28527	No
14	GOM_NL__2PRFIN20070815_005843_000000442060_00417_28527_7776.N1	15-AUG-2007 00:58:43	Dark	44.000	101	11Alp Lep	2.5820	7000.0	88	28527	No
15	GOM_NL__2PRFIN20070815_011640_000000432060_00418_28528_7795.N1	15-AUG-2007 01:16:40	Dark	43.000	9	Alp Eri	0.45300	24000.	86	28528	No
16	GOM_NL__2PRFIN20070815_012233_000000452060_00418_28528_7796.N1	15-AUG-2007 01:22:33	Straylight	44.500	148	Alp Tuc	2.8780	4100.0	89	28528	No
17	GOM_NL__2PRFIN20070815_012606_000000402060_00418_28528_7797.N1	15-AUG-2007 01:26:06	Straylight	40.000	31	Alp Gru	1.7340	15200.	80	28528	No
18	GOM_NL__2PRFIN20070815_012905_000000422060_00418_28528_7798.N1	15-AUG-2007 01:29:05	Straylight	42.000	172	Gam Gru	3.0030	13100.	84	28528	No
19	GOM_NL__2PRFIN20070815_014342_000000382060_00418_28528_7799.N1	15-AUG-2007 01:43:42	Bright	38.000	11	53Alp Aql	0.76500	8000.0	76	28528	No
20	GOM_NL__2PRFIN20070815_015107_000000372060_00418_28528_7800.N1	15-AUG-2007 01:51:07	Bright	37.000	92	53Eps Cyg	2.5000	4500.0	74	28528	No
21	GOM_NL__2PRFIN20070815_015240_000000382060_00418_28528_7801.N1	15-AUG-2007 01:52:40	Bright	38.000	66	37Gam Cyg	2.2080	5900.0	76	28528	No
22	GOM_NL__2PRFIN20070815_015419_000000402060_00418_28528_7802.N1	15-AUG-2007 01:54:19	Bright	39.500	19	50Alp Cyg	1.2460	10500.	79	28528	No
23	GOM_NL__2PRFIN20070815_015941_000000362060_00418_28528_7803.N1	15-AUG-2007 01:59:41	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	28528	No
24	GOM_NL__2PRFIN20070815_020637_000000352060_00418_28528_7804.N1	15-AUG-2007 02:06:37	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	28528	No
25	GOM_NL__2PRFIN20070815_021940_000000562060_00418_28528_7805.N1	15-AUG-2007 02:19:40	Bright	56.000	42	34Bet Aur	1.9000	10200.	112	28528	No
26	GOM_NL__2PRFIN20070815_022205_000000392060_00418_28528_7806.N1	15-AUG-2007 02:22:05	Bright	38.500	107	37The Aur	2.6490	11000.	77	28528	No
27	GOM_NL__2PRFIN20070815_022620_000000472060_00418_28528_7807.N1	15-AUG-2007 02:26:20	Twilight	46.500	151	13Mu Gem	2.8900	3000.0	93	28528	No
28	GOM_NL__2PRFIN20070815_022755_000000422060_00418_28528_7808.N1	15-AUG-2007 02:27:55	Twilight	42.000	44	24Gam Gem	1.9280	11000.	84	28528	No
29	GOM_NL__2PRFIN20070815_023122_000000532060_00418_28528_7809.N1	15-AUG-2007 02:31:22	Dark	52.500	14	58Alp Ori	0.87000	3000.0	105	28528	No
30	GOM_NL__2PRFIN20070815_023434_000000462060_00418_28528_7810.N1	15-AUG-2007 02:34:34	Dark	45.500	33	50Zet Ori	1.7660	30000.	91	28528	No
31	GOM_NL__2PRFIN20070815_023702_000000422060_00418_28528_7811.N1	15-AUG-2007 02:37:02	Dark	42.000	1	9Alp CMa	-1.4400	11000.	84	28528	No
32	GOM_NL__2PRFIN20070815_023920_000000442060_00418_28528_7812.N1	15-AUG-2007 02:39:20	Dark	44.000	101	11Alp Lep	2.5820	7000.0	88	28528	No
33	GOM_NL__2PRFIN20070815_025717_000000452060_00419_28529_7803.N1	15-AUG-2007 02:57:17	Dark	44.500	9	Alp Eri	0.45300	24000.	89	28529	No
34	GOM_NL__2PRFIN20070815_030309_000000392060_00419_28529_7804.N1	15-AUG-2007 03:03:09	Straylight	39.000	148	Alp Tuc	2.8780	4100.0	78	28529	No
35	GOM_NL__2PRFIN20070815_030642_000000412060_00419_28529_7805.N1	15-AUG-2007 03:06:42	Straylight	40.500	31	Alp Gru	1.7340	15200.	81	28529	No
36	GOM_NL__2PRFIN20070815_030941_000000412060_00419_28529_7806.N1	15-AUG-2007 03:09:41	Straylight	40.500	172	Gam Gru	3.0030	13100.	81	28529	No
37	GOM_NL__2PRFIN20070815_032418_000000372060_00419_28529_7807.N1	15-AUG-2007 03:24:18	Bright	37.000	11	53Alp Aql	0.76500	8000.0	74	28529	No
38	GOM_NL__2PRFIN20070815_033142_000000392060_00419_28529_7808.N1	15-AUG-2007 03:31:42	Bright	39.000	92	53Eps Cyg	2.5000	4500.0	78	28529	No
39	GOM_NL__2PRFIN20070815_033316_000000392060_00419_28529_7809.N1	15-AUG-2007 03:33:16	Bright	38.500	66	37Gam Cyg	2.2080	5900.0	77	28529	No
40	GOM_NL__2PRFIN20070815_033454_000000382060_00419_28529_7810.N1	15-AUG-2007 03:34:54	Bright	38.000	19	50Alp Cyg	1.2460	10500.	76	28529	No
41	GOM_NL__2PRFIN20070815_034017_000000362060_00419_28529_7811.N1	15-AUG-2007 03:40:17	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	28529	No
42	GOM_NL__2PRFIN20070815_034713_000000332060_00419_28529_7812.N1	15-AUG-2007 03:47:13	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	28529	No

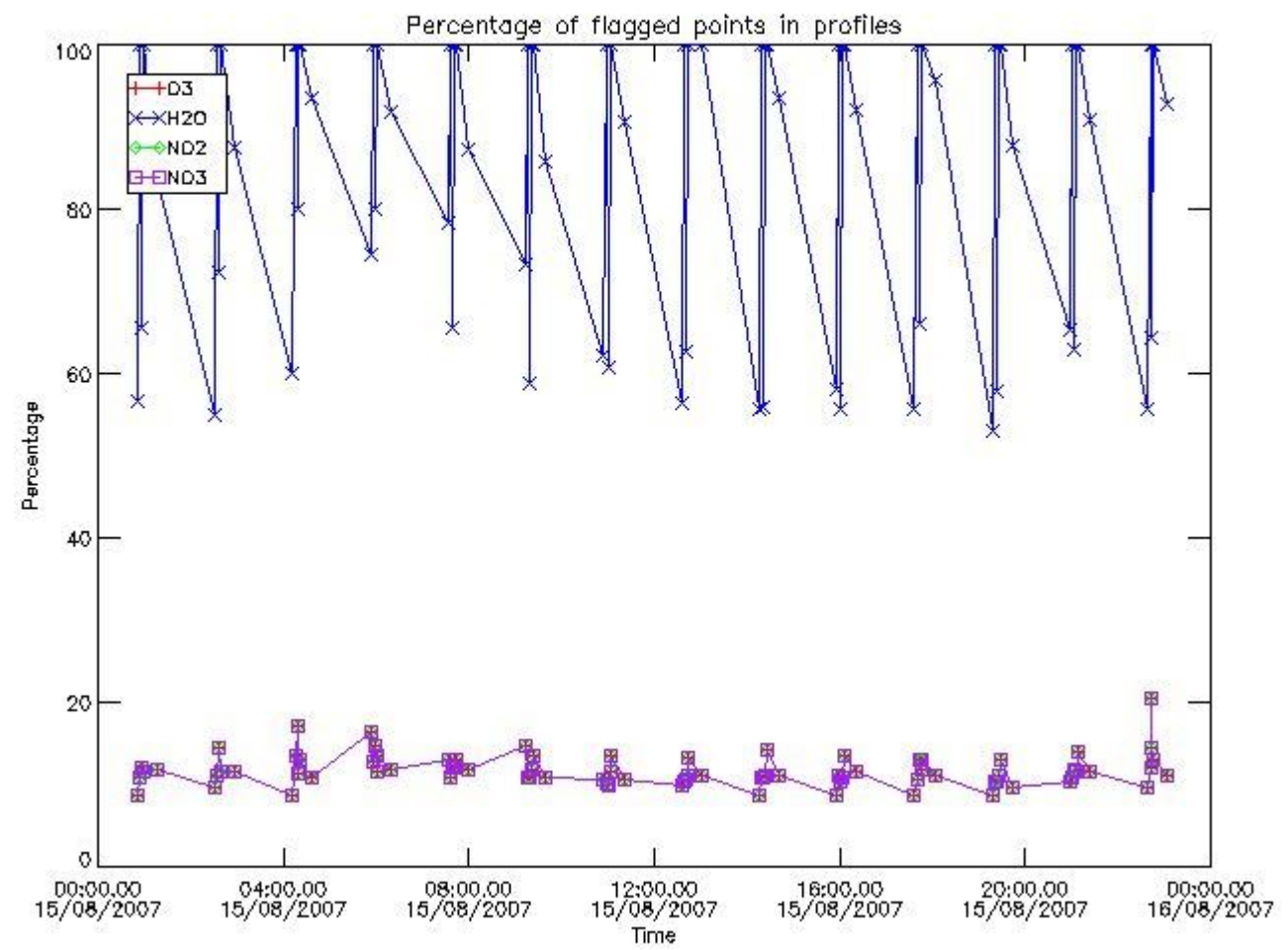
43	GOM_NL__2PRFIN20070815_040016_000000412060_00419_28529_7813.N1	15-AUG-2007 04:00:16	Bright	41.000	42	34Bet Aur	1.9000	10200.	82	28529	No
44	GOM_NL__2PRFIN20070815_040241_000000392060_00419_28529_7814.N1	15-AUG-2007 04:02:41	Bright	38.500	107	37The Aur	2.6490	11000.	77	28529	No
45	GOM_NL__2PRFIN20070815_040657_000000432060_00419_28529_7815.N1	15-AUG-2007 04:06:57	Twilight	42.500	151	13Mu Gem	2.8900	3000.0	85	28529	No
46	GOM_NL__2PRFIN20070815_040831_000000402060_00419_28529_7816.N1	15-AUG-2007 04:08:31	Twilight	40.000	44	24Gam Gem	1.9280	11000.	80	28529	No
47	GOM_NL__2PRFIN20070815_041158_000000582060_00419_28529_7817.N1	15-AUG-2007 04:11:58	Dark	58.000	14	58Alp Ori	0.87000	3000.0	116	28529	No
48	GOM_NL__2PRFIN20070815_041510_000000422060_00419_28529_7818.N1	15-AUG-2007 04:15:10	Dark	41.500	33	50Zet Ori	1.7660	30000.	83	28529	No
49	GOM_NL__2PRFIN20070815_041738_000000332060_00419_28529_7819.N1	15-AUG-2007 04:17:38	Dark	33.000	1	9Alp CMa	-1.4400	11000.	66	28529	No
50	GOM_NL__2PRFIN20070815_041956_000000452060_00419_28529_7820.N1	15-AUG-2007 04:19:56	Dark	45.000	101	11Alp Lep	2.5820	7000.0	90	28529	No
51	GOM_NL__2PRFIN20070815_042144_000000402060_00419_28529_7821.N1	15-AUG-2007 04:21:44	Dark	39.500	177	1Zet CMa	3.0220	26000.	79	28529	No
52	GOM_NL__2PRFIN20070815_043753_000000472060_00420_28530_7808.N1	15-AUG-2007 04:37:53	Dark	47.000	9	Alp Eri	0.45300	24000.	94	28530	No
53	GOM_NL__2PRFIN20070815_044345_000000402060_00420_28530_7809.N1	15-AUG-2007 04:43:45	Straylight	39.500	148	Alp Tuc	2.8780	4100.0	79	28530	No
54	GOM_NL__2PRFIN20070815_044718_000000432060_00420_28530_7810.N1	15-AUG-2007 04:47:18	Straylight	42.500	31	Alp Gru	1.7340	15200.	85	28530	No
55	GOM_NL__2PRFIN20070815_045018_000000402060_00420_28530_7811.N1	15-AUG-2007 04:50:18	Straylight	39.500	172	Gam Gru	3.0030	13100.	79	28530	No
56	GOM_NL__2PRFIN20070815_050454_000000352060_00420_28530_7812.N1	15-AUG-2007 05:04:54	Bright	35.000	11	53Alp Aql	0.76500	8000.0	70	28530	No
57	GOM_NL__2PRFIN20070815_051218_000000382060_00420_28530_7813.N1	15-AUG-2007 05:12:18	Bright	38.000	92	53Eps Cyg	2.5000	4500.0	76	28530	No
58	GOM_NL__2PRFIN20070815_051351_000000372060_00420_28530_7814.N1	15-AUG-2007 05:13:51	Bright	37.000	66	37Gam Cyg	2.2080	5900.0	74	28530	No
59	GOM_NL__2PRFIN20070815_051530_000000402060_00420_28530_7815.N1	15-AUG-2007 05:15:30	Bright	39.500	19	50Alp Cyg	1.2460	10500.	79	28530	No
60	GOM_NL__2PRFIN20070815_052053_000000382060_00420_28530_7816.N1	15-AUG-2007 05:20:53	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	28530	No
61	GOM_NL__2PRFIN20070815_052749_000000362060_00420_28530_7817.N1	15-AUG-2007 05:27:49	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	28530	No
62	GOM_NL__2PRFIN20070815_054052_000000392060_00420_28530_7818.N1	15-AUG-2007 05:40:52	Bright	38.500	42	34Bet Aur	1.9000	10200.	77	28530	No
63	GOM_NL__2PRFIN20070815_054317_000000422060_00420_28530_7819.N1	15-AUG-2007 05:43:17	Bright	42.000	107	37The Aur	2.6490	11000.	84	28530	No
64	GOM_NL__2PRFIN20070815_054733_000000442060_00420_28530_7820.N1	15-AUG-2007 05:47:33	Twilight	44.000	151	13Mu Gem	2.8900	3000.0	88	28530	No
65	GOM_NL__2PRFIN20070815_054907_000000412060_00420_28530_7821.N1	15-AUG-2007 05:49:07	Twilight	41.000	44	24Gam Gem	1.9280	11000.	82	28530	No
66	GOM_NL__2PRFIN20070815_055235_000000442060_00420_28530_7822.N1	15-AUG-2007 05:52:35	Dark	43.500	14	58Alp Ori	0.87000	3000.0	87	28530	No
67	GOM_NL__2PRFIN20070815_055547_000000402060_00420_28530_7823.N1	15-AUG-2007 05:55:47	Dark	40.000	33	50Zet Ori	1.7660	30000.	80	28530	No
68	GOM_NL__2PRFIN20070815_055814_000000382060_00420_28530_7824.N1	15-AUG-2007 05:58:14	Dark	38.000	1	9Alp CMa	-1.4400	11000.	76	28530	No
69	GOM_NL__2PRFIN20070815_060033_000000442060_00420_28530_7825.N1	15-AUG-2007 06:00:33	Dark	44.000	101	11Alp Lep	2.5820	7000.0	88	28530	No
70	GOM_NL__2PRFIN20070815_060220_000000382060_00420_28530_7826.N1	15-AUG-2007 06:02:20	Dark	37.500	177	1Zet CMa	3.0220	26000.	75	28530	No
71	GOM_NL__2PRFIN20070815_061830_000000432060_00421_28531_7961.N1	15-AUG-2007 06:18:30	Dark	43.000	9	Alp Eri	0.45300	24000.	86	28531	No
72	GOM_NL__2PRFIN20070815_062422_000000412060_00421_28531_7962.N1	15-AUG-2007 06:24:22	Straylight	40.500	148	Alp Tuc	2.8780	4100.0	81	28531	No
73	GOM_NL__2PRFIN20070815_062755_000000472060_00421_28531_7963.N1	15-AUG-2007 06:27:55	Straylight	47.000	31	Alp Gru	1.7340	15200.	94	28531	No
74	GOM_NL__2PRFIN20070815_063054_000000402060_00421_28531_7964.N1	15-AUG-2007 06:30:54	Straylight	39.500	172	Gam Gru	3.0030	13100.	79	28531	No
75	GOM_NL__2PRFIN20070815_064530_000000362060_00421_28531_7965.N1	15-AUG-2007 06:45:30	Bright	36.000	11	53Alp Aql	0.76500	8000.0	72	28531	No
76	GOM_NL__2PRFIN20070815_065254_000000372060_00421_28531_7966.N1	15-AUG-2007 06:52:54	Bright	36.500	92	53Eps Cyg	2.5000	4500.0	73	28531	No
77	GOM_NL__2PRFIN20070815_065427_000000362060_00421_28531_7967.N1	15-AUG-2007 06:54:27	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	28531	No
78	GOM_NL__2PRFIN20070815_065606_000000392060_00421_28531_7968.N1	15-AUG-2007 06:56:06	Bright	38.500	19	50Alp Cyg	1.2460	10500.	77	28531	No
79	GOM_NL__2PRFIN20070815_070128_000000392060_00421_28531_7969.N1	15-AUG-2007 07:01:28	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	28531	No
80	GOM_NL__2PRFIN20070815_070825_000000362060_00421_28531_7970.N1	15-AUG-2007 07:08:25	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	28531	No
81	GOM_NL__2PRFIN20070815_072128_000000432060_00421_28531_7971.N1	15-AUG-2007 07:21:28	Bright	43.000	42	34Bet Aur	1.9000	10200.	86	28531	No
82	GOM_NL__2PRFIN20070815_072353_000000382060_00421_28531_7972.N1	15-AUG-2007 07:23:53	Bright	38.000	107	37The Aur	2.6490	11000.	76	28531	No
83	GOM_NL__2PRFIN20070815_072809_000000472060_00421_28531_7973.N1	15-AUG-2007 07:28:09	Twilight	47.000	151	13Mu Gem	2.8900	3000.0	94	28531	No
84	GOM_NL__2PRFIN20070815_072944_000000412060_00421_28531_7974.N1	15-AUG-2007 07:29:44	Twilight	41.000	44	24Gam Gem	1.9280	11000.	82	28531	No
85	GOM_NL__2PRFIN20070815_073311_000000402060_00421_28531_7975.N1	15-AUG-2007 07:33:11	Dark	39.500	14	58Alp Ori	0.87000	3000.0	79	28531	No
86	GOM_NL__2PRFIN20070815_073623_000000472060_00421_28531_7976.N1	15-AUG-2007 07:36:23	Dark	47.000	33	50Zet Ori	1.7660	30000.	94	28531	No
87	GOM_NL__2PRFIN20070815_073850_000000432060_00421_28531_7977.N1	15-AUG-2007 07:38:50	Dark	42.500	1	9Alp CMa	-1.4400	11000.	85	28531	No
88	GOM_NL__2PRFIN20070815_074110_000000432060_00421_28531_7978.N1	15-AUG-2007 07:41:10	Dark	42.500	101	11Alp Lep	2.5820	7000.0	85	28531	No
89	GOM_NL__2PRFIN20070815_074256_000000392060_00421_28531_7979.N1	15-AUG-2007 07:42:56	Dark	39.000	177	1Zet CMa	3.0220	26000.	78	28531	No
90	GOM_NL__2PRFIN20070815_075907_000000482060_00422_28532_7972.N1	15-AUG-2007 07:59:07	Dark	47.500	9	Alp Eri	0.45300	24000.	95	28532	No
91	GOM_NL__2PRFIN20070815_080458_000000392060_00422_28532_7973.N1	15-AUG-2007 08:04:58	Straylight	38.500	148	Alp Tuc	2.8780	4100.0	77	28532	No
92	GOM_NL__2PRFIN20070815_080831_000000422060_00422_28532_7974.N1	15-AUG-2007 08:08:31	Straylight	41.500	31	Alp Gru	1.7340	15200.	83	28532	No
93	GOM_NL__2PRFIN20070815_081130_000000412060_00422_28532_7975.N1	15-AUG-2007 08:11:30	Straylight	40.500	172	Gam Gru	3.0030	13100.	81	28532	No
94	GOM_NL__2PRFIN20070815_082606_000000362060_00422_28532_7976.N1	15-AUG-2007 08:26:06	Bright	35.500	11	53Alp Aql	0.76500	8000.0	71	28532	No
95	GOM_NL__2PRFIN20070815_083330_000000392060_00422_28532_7977.N1	15-AUG-2007 08:33:30	Bright	39.000	92	53Eps Cyg	2.5000	4500.0	78	28532	No
96	GOM_NL__2PRFIN20070815_083503_000000392060_00422_28532_7978.N1	15-AUG-2007 08:35:03	Bright	38.500	66	37Gam Cyg	2.2080	5900.0	77	28532	No
97	GOM_NL__2PRFIN20070815_083642_000000402060_00422_28532_7979.N1	15-AUG-2007 08:36:42	Bright	40.000	19	50Alp Cyg	1.2460	10500.	80	28532	No
98	GOM_NL__2PRFIN20070815_084204_000000382060_00422_28532_7980.N1	15-AUG-2007 08:42:04	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	28532	No
99	GOM_NL__2PRFIN20070815_084901_000000362060_00422_28532_7981.N1	15-AUG-2007 08:49:01	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	28532	No
100	GOM_NL__2PRFIN20070815_090204_000000402060_00422_28532_7982.N1	15-AUG-2007 09:02:04	Bright	39.500	42	34Bet Aur	1.9000	10200.	79	28532	No
101	GOM_NL__2PRFIN20070815_090429_000000382060_00422_28532_7983.N1	15-AUG-2007 09:04:29	Bright	37.500	107	37The Aur	2.6490	11000.	75	28532	No

220	GOM_NL__2PRFIN20070815_192304_000000492060_00428_28538_8101.N1	15-AUG-2007 19:23:04	Dark	49.000	1	9Alp CMa	-1.4400	11000.	98	28538	No
221	GOM_NL__2PRFIN20070815_192526_000000462060_00428_28538_8102.N1	15-AUG-2007 19:25:26	Dark	45.500	101	11Alp Lep	2.5820	7000.0	91	28538	No
222	GOM_NL__2PRFIN20070815_192710_000000392060_00428_28538_8103.N1	15-AUG-2007 19:27:10	Dark	39.000	177	1Zet CMa	3.0220	26000.	78	28538	No
223	GOM_NL__2PRFIN20070815_194323_000000542060_00429_28539_8100.N1	15-AUG-2007 19:43:23	Dark	53.500	9	Alp Eri	0.45300	24000.	107	28539	No
224	GOM_NL__2PRFIN20070815_194912_000000472060_00429_28539_8101.N1	15-AUG-2007 19:49:12	Straylight	46.500	148	Alp Tuc	2.8780	4100.0	93	28539	No
225	GOM_NL__2PRFIN20070815_195245_000000402060_00429_28539_8102.N1	15-AUG-2007 19:52:45	Straylight	39.500	31	Alp Gru	1.7340	15200.	79	28539	No
226	GOM_NL__2PRFIN20070815_195544_000000402060_00429_28539_8103.N1	15-AUG-2007 19:55:44	Straylight	39.500	172	Gam Gru	3.0030	13100.	79	28539	No
227	GOM_NL__2PRFIN20070815_201018_000000372060_00429_28539_8104.N1	15-AUG-2007 20:10:18	Bright	36.500	11	53Alp Aql	0.76500	8000.0	73	28539	No
228	GOM_NL__2PRFIN20070815_201739_000000382060_00429_28539_8105.N1	15-AUG-2007 20:17:39	Bright	38.000	92	53Eps Cyg	2.5000	4500.0	76	28539	No
229	GOM_NL__2PRFIN20070815_201914_000000372060_00429_28539_8106.N1	15-AUG-2007 20:19:14	Bright	37.000	66	37Gam Cyg	2.2080	5900.0	74	28539	No
230	GOM_NL__2PRFIN20070815_202029_000000352060_00429_28539_8107.N1	15-AUG-2007 20:20:29	Bright	34.500	144	18Del Cyg	2.8600	11000.	69	28539	No
231	GOM_NL__2PRFIN20070815_202613_000000392060_00429_28539_8108.N1	15-AUG-2007 20:26:13	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	28539	No
232	GOM_NL__2PRFIN20070815_203313_000000362060_00429_28539_8109.N1	15-AUG-2007 20:33:13	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	28539	No
233	GOM_NL__2PRFIN20070815_204615_000000432060_00429_28539_8110.N1	15-AUG-2007 20:46:15	Bright	42.500	42	34Bet Aur	1.9000	10200.	85	28539	No
234	GOM_NL__2PRFIN20070815_204841_000000382060_00429_28539_8111.N1	15-AUG-2007 20:48:41	Bright	37.500	107	37The Aur	2.6490	11000.	75	28539	No
235	GOM_NL__2PRFIN20070815_205259_000000472060_00429_28539_8112.N1	15-AUG-2007 20:52:59	Tw_i_and_stray	47.000	151	13Mu Gem	2.8900	3000.0	94	28539	No
236	GOM_NL__2PRFIN20070815_205434_000000452060_00429_28539_8113.N1	15-AUG-2007 20:54:34	Tw_i_and_stray	44.500	44	24Gam Gem	1.9280	11000.	89	28539	No
237	GOM_NL__2PRFIN20070815_205802_000000502060_00429_28539_8114.N1	15-AUG-2007 20:58:02	Dark	49.500	14	58Alp Ori	0.87000	3000.0	99	28539	No
238	GOM_NL__2PRFIN20070815_210115_000000482060_00429_28539_8115.N1	15-AUG-2007 21:01:15	Dark	47.500	33	50Zet Ori	1.7660	30000.	95	28539	No
239	GOM_NL__2PRFIN20070815_210340_000000442060_00429_28539_8116.N1	15-AUG-2007 21:03:40	Dark	43.500	1	9Alp CMa	-1.4400	11000.	87	28539	No
240	GOM_NL__2PRFIN20070815_210602_000000442060_00429_28539_8117.N1	15-AUG-2007 21:06:02	Dark	44.000	101	11Alp Lep	2.5820	7000.0	88	28539	No
241	GOM_NL__2PRFIN20070815_210747_000000372060_00429_28539_8118.N1	15-AUG-2007 21:07:47	Dark	36.500	177	1Zet CMa	3.0220	26000.	73	28539	No
242	GOM_NL__2PRFIN20070815_212400_000000442060_00430_28540_8109.N1	15-AUG-2007 21:24:00	Dark	44.000	9	Alp Eri	0.45300	24000.	88	28540	No
243	GOM_NL__2PRFIN20070815_212948_000000392060_00430_28540_8110.N1	15-AUG-2007 21:29:48	Straylight	39.000	148	Alp Tuc	2.8780	4100.0	78	28540	No
244	GOM_NL__2PRFIN20070815_213321_000000402060_00430_28540_8111.N1	15-AUG-2007 21:33:21	Straylight	39.500	31	Alp Gru	1.7340	15200.	79	28540	No
245	GOM_NL__2PRFIN20070815_213620_000000402060_00430_28540_8112.N1	15-AUG-2007 21:36:20	Straylight	40.000	172	Gam Gru	3.0030	13100.	80	28540	No
246	GOM_NL__2PRFIN20070815_215054_000000372060_00430_28540_8113.N1	15-AUG-2007 21:50:54	Bright	36.500	11	53Alp Aql	0.76500	8000.0	73	28540	No
247	GOM_NL__2PRFIN20070815_215815_000000372060_00430_28540_8114.N1	15-AUG-2007 21:58:15	Bright	36.500	92	53Eps Cyg	2.5000	4500.0	73	28540	No
248	GOM_NL__2PRFIN20070815_215949_000000352060_00430_28540_8115.N1	15-AUG-2007 21:59:49	Bright	34.500	66	37Gam Cyg	2.2080	5900.0	69	28540	No
249	GOM_NL__2PRFIN20070815_220105_000000342060_00430_28540_8116.N1	15-AUG-2007 22:01:05	Bright	33.500	144	18Del Cyg	2.8600	11000.	67	28540	No
250	GOM_NL__2PRFIN20070815_220649_000000392060_00430_28540_8117.N1	15-AUG-2007 22:06:49	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	28540	No
251	GOM_NL__2PRFIN20070815_221348_000000362060_00430_28540_8118.N1	15-AUG-2007 22:13:48	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	28540	No
252	GOM_NL__2PRFIN20070815_222651_000000412060_00430_28540_8119.N1	15-AUG-2007 22:26:51	Bright	40.500	42	34Bet Aur	1.9000	10200.	81	28540	No
253	GOM_NL__2PRFIN20070815_222917_000000372060_00430_28540_8120.N1	15-AUG-2007 22:29:17	Bright	36.500	107	37The Aur	2.6490	11000.	73	28540	No
254	GOM_NL__2PRFIN20070815_223335_000000492060_00430_28540_8121.N1	15-AUG-2007 22:33:35	Tw_i_and_stray	48.500	151	13Mu Gem	2.8900	3000.0	97	28540	No
255	GOM_NL__2PRFIN20070815_223510_000000432060_00430_28540_8122.N1	15-AUG-2007 22:35:10	Tw_i_and_stray	43.000	44	24Gam Gem	1.9280	11000.	86	28540	No
256	GOM_NL__2PRFIN20070815_223838_000000542060_00430_28540_8123.N1	15-AUG-2007 22:38:38	Dark	53.500	14	58Alp Ori	0.87000	3000.0	107	28540	No
257	GOM_NL__2PRFIN20070815_224152_000000472060_00430_28540_8124.N1	15-AUG-2007 22:41:52	Dark	46.500	33	50Zet Ori	1.7660	30000.	93	28540	No
258	GOM_NL__2PRFIN20070815_224313_000000252060_00430_28540_8125.N1	15-AUG-2007 22:43:13	Dark	25.000	125	44Iot Ori	2.7700	30000.	50	28540	No
259	GOM_NL__2PRFIN20070815_224416_000000432060_00430_28540_8126.N1	15-AUG-2007 22:44:16	Dark	42.500	1	9Alp CMa	-1.4400	11000.	85	28540	No
260	GOM_NL__2PRFIN20070815_224639_000000432060_00430_28540_8127.N1	15-AUG-2007 22:46:39	Dark	43.000	101	11Alp Lep	2.5820	7000.0	86	28540	No
261	GOM_NL__2PRFIN20070815_230436_000000562060_00431_28541_8128.N1	15-AUG-2007 23:04:36	Dark	55.500	9	Alp Eri	0.45300	24000.	111	28541	No
262	GOM_NL__2PRFIN20070815_231024_000000402060_00431_28541_8129.N1	15-AUG-2007 23:10:24	Straylight	39.500	148	Alp Tuc	2.8780	4100.0	79	28541	No
263	GOM_NL__2PRFIN20070815_231358_000000412060_00431_28541_8130.N1	15-AUG-2007 23:13:58	Straylight	41.000	31	Alp Gru	1.7340	15200.	82	28541	No
264	GOM_NL__2PRFIN20070815_231656_000000412060_00431_28541_8131.N1	15-AUG-2007 23:16:56	Straylight	40.500	172	Gam Gru	3.0030	13100.	81	28541	No
265	GOM_NL__2PRFIN20070815_233130_000000372060_00431_28541_8132.N1	15-AUG-2007 23:31:30	Bright	37.000	11	53Alp Aql	0.76500	8000.0	74	28541	No
266	GOM_NL__2PRFIN20070815_233851_000000402060_00431_28541_8133.N1	15-AUG-2007 23:38:51	Bright	39.500	92	53Eps Cyg	2.5000	4500.0	79	28541	No
267	GOM_NL__2PRFIN20070815_234025_000000382060_00431_28541_8134.N1	15-AUG-2007 23:40:25	Bright	38.000	66	37Gam Cyg	2.2080	5900.0	76	28541	No
268	GOM_NL__2PRFIN20070815_234141_000000362060_00431_28541_8135.N1	15-AUG-2007 23:41:41	Bright	36.000	144	18Del Cyg	2.8600	11000.	72	28541	No
269	GOM_NL__2PRFIN20070815_234725_000000382060_00431_28541_8136.N1	15-AUG-2007 23:47:25	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	28541	No
270	GOM_NL__2PRFIN20070815_235424_000000362060_00431_28541_8137.N1	15-AUG-2007 23:54:24	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	28541	No

3. Quality information per product

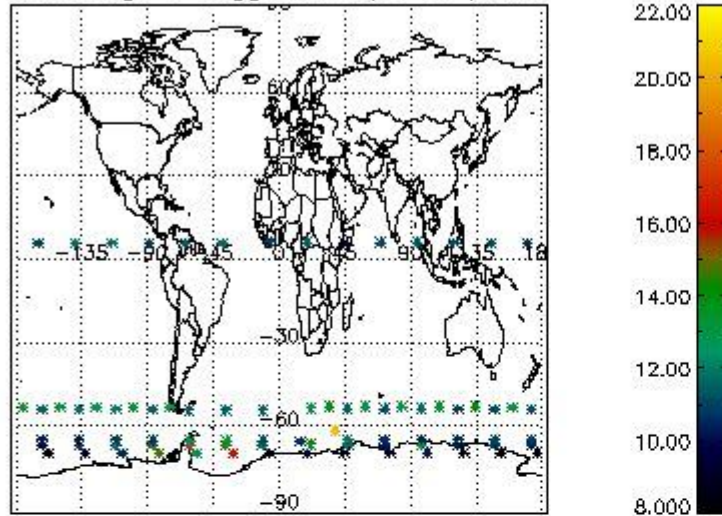
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

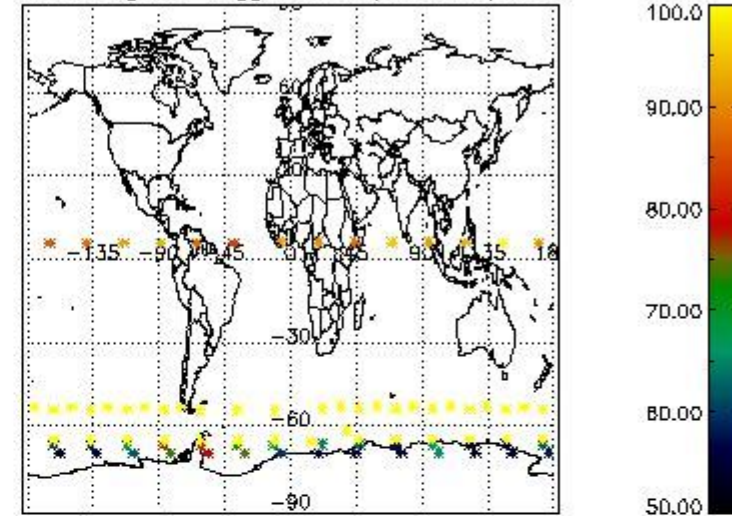


3.2 Plot quality information per product (world map)

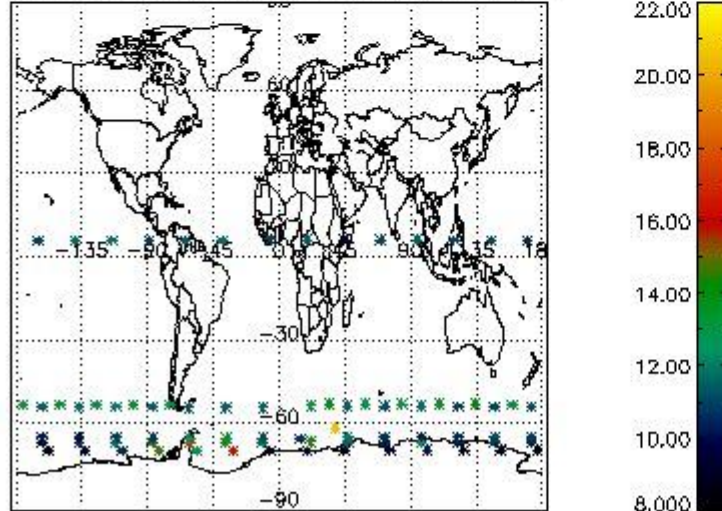
Percentage of flagged data per O3 profile



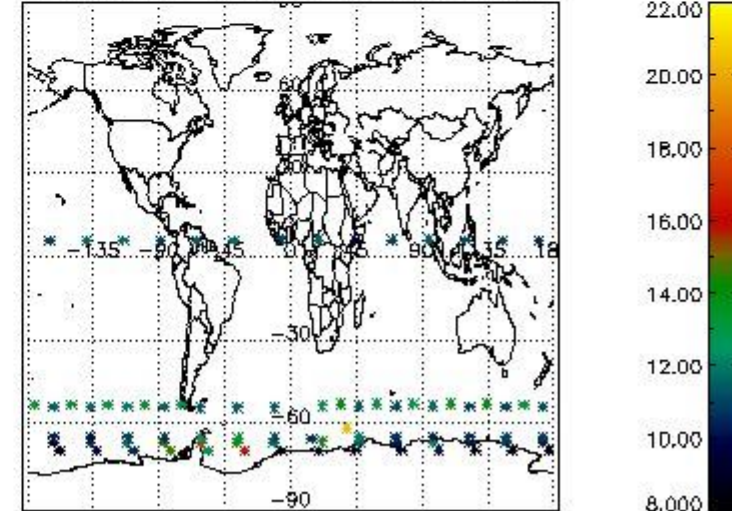
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

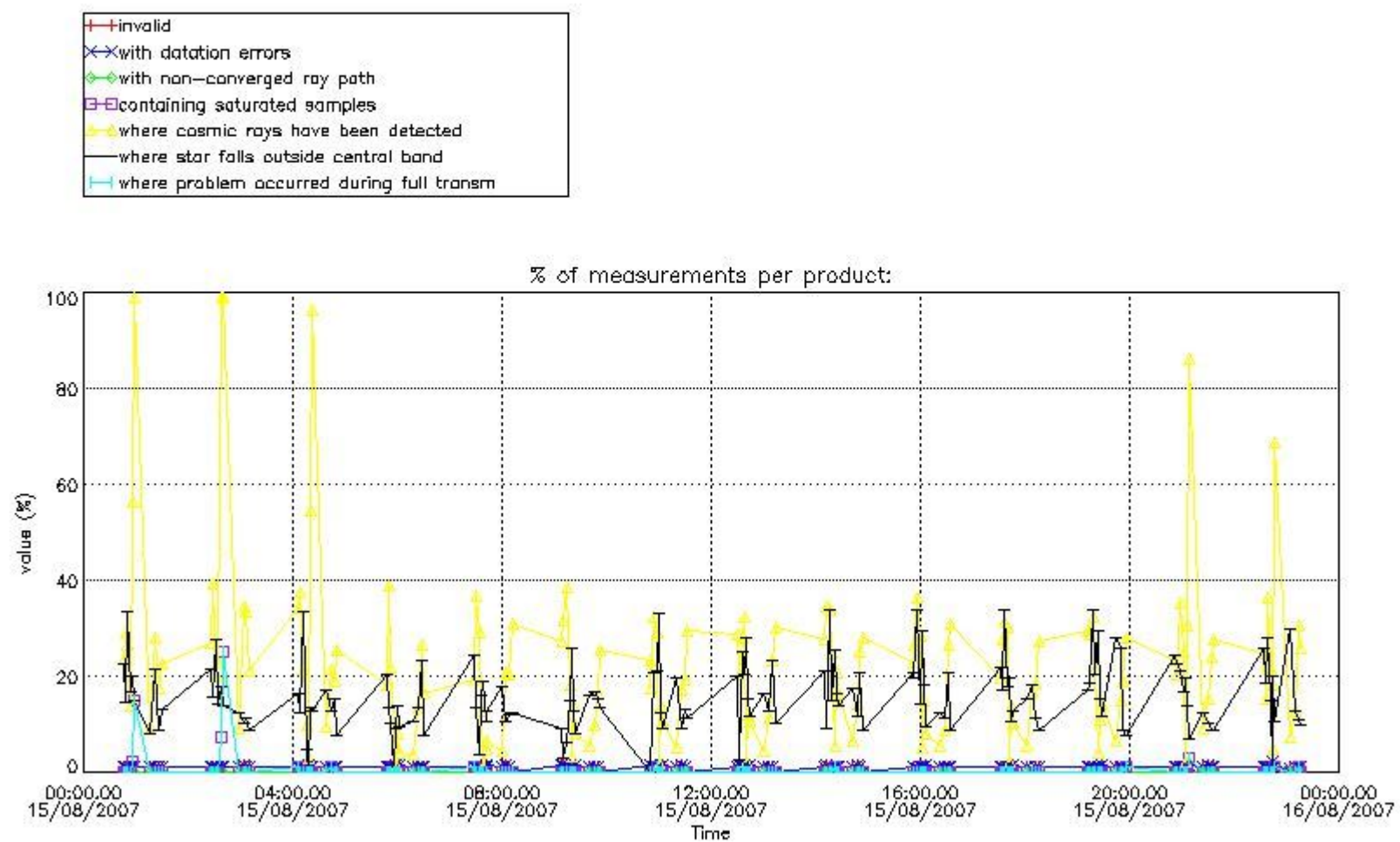


4. Level 1 quality information per product

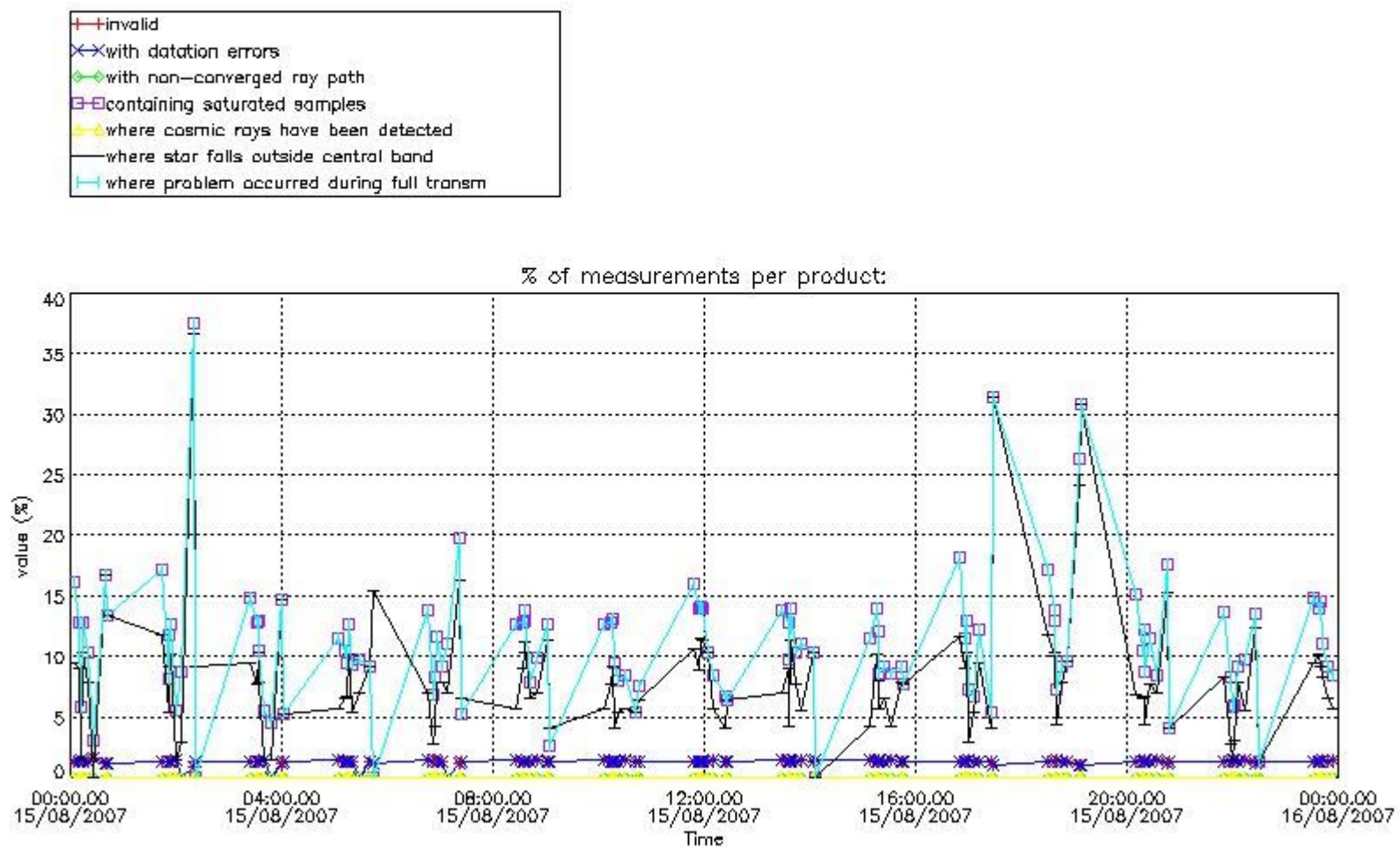
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



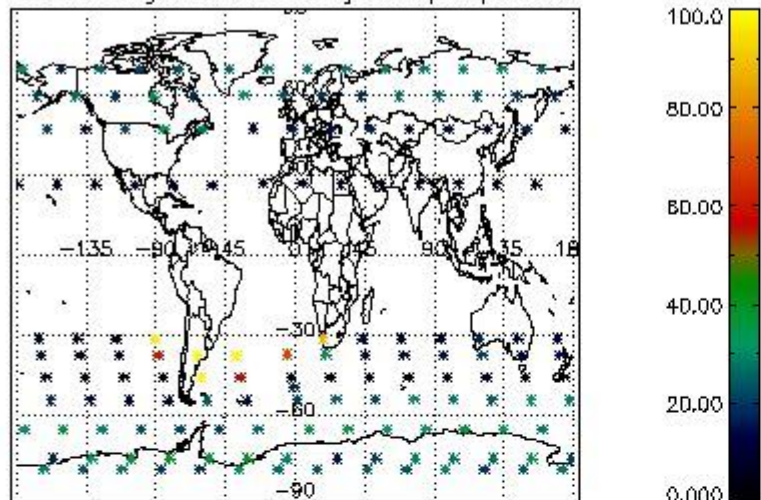
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



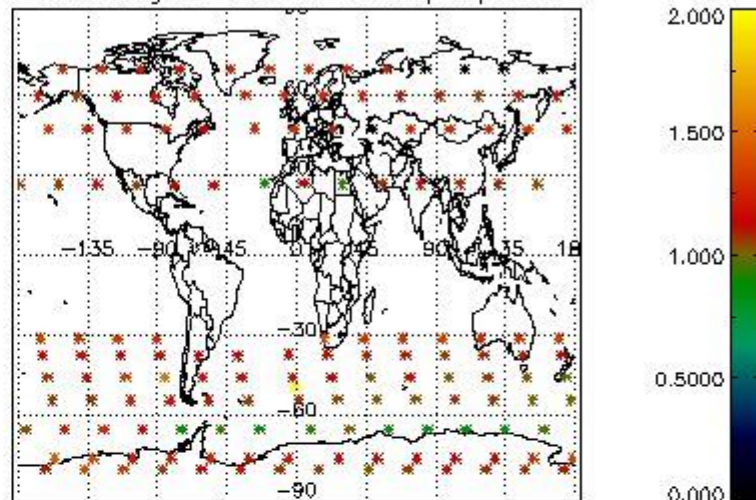
4.2 Plot quality information per product coming from level 1b processing (world map)

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

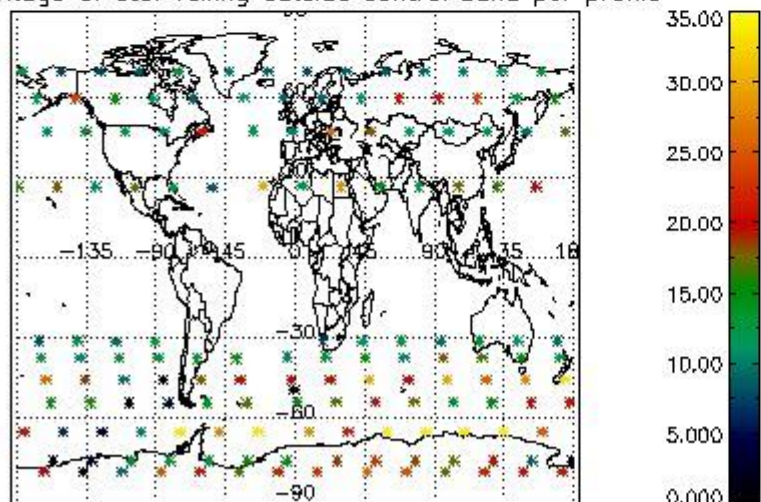
Percentage of cosmic ray hits per profile



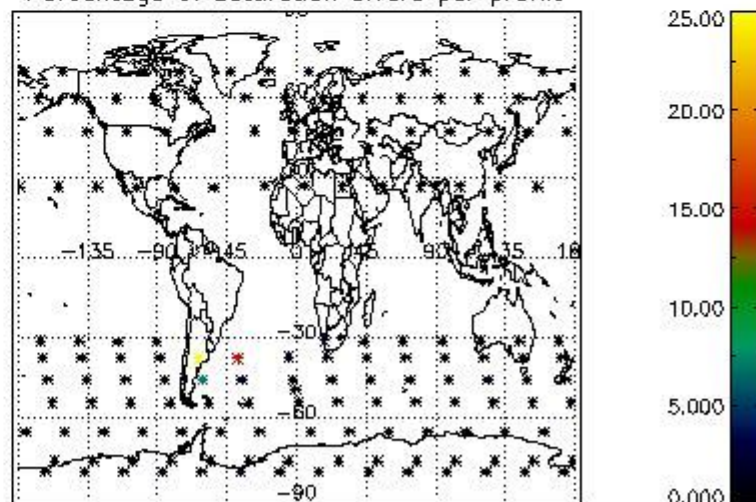
Percentage of datation errors per profile



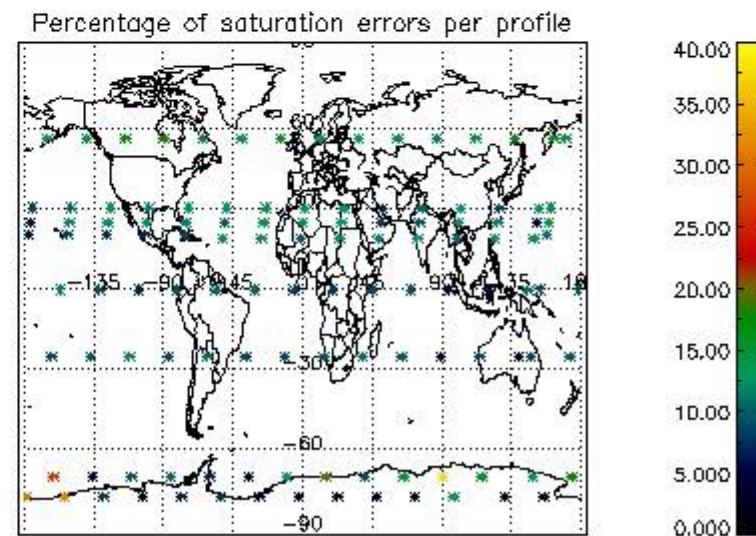
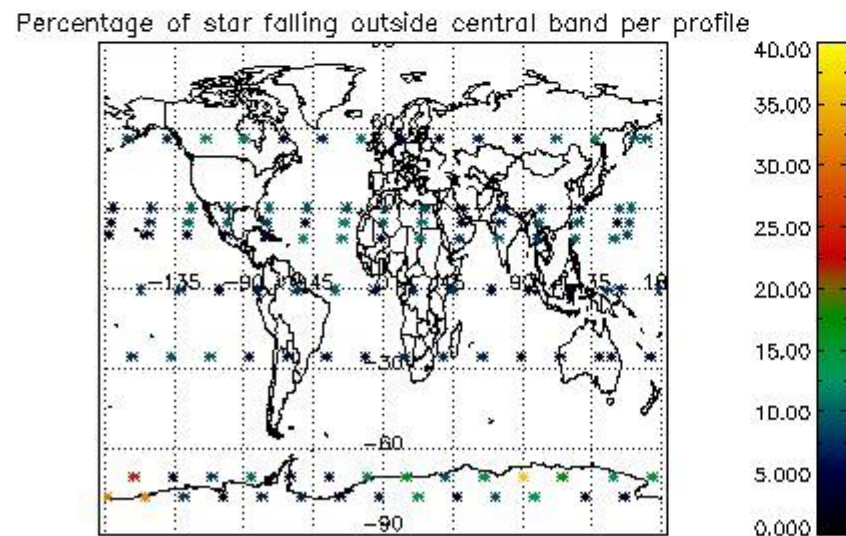
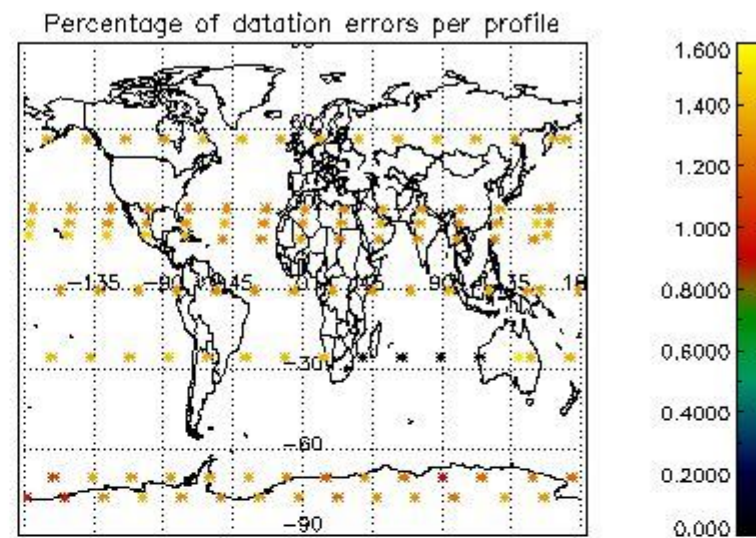
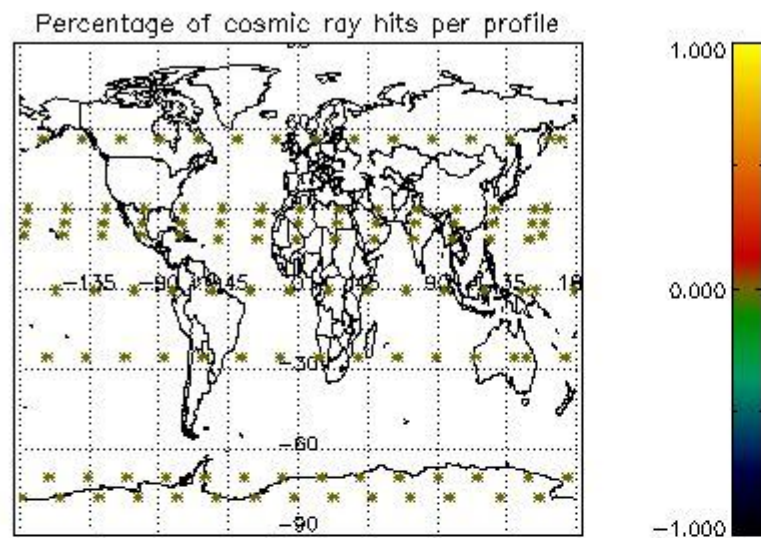
Percentage of star falling outside central band per profile



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

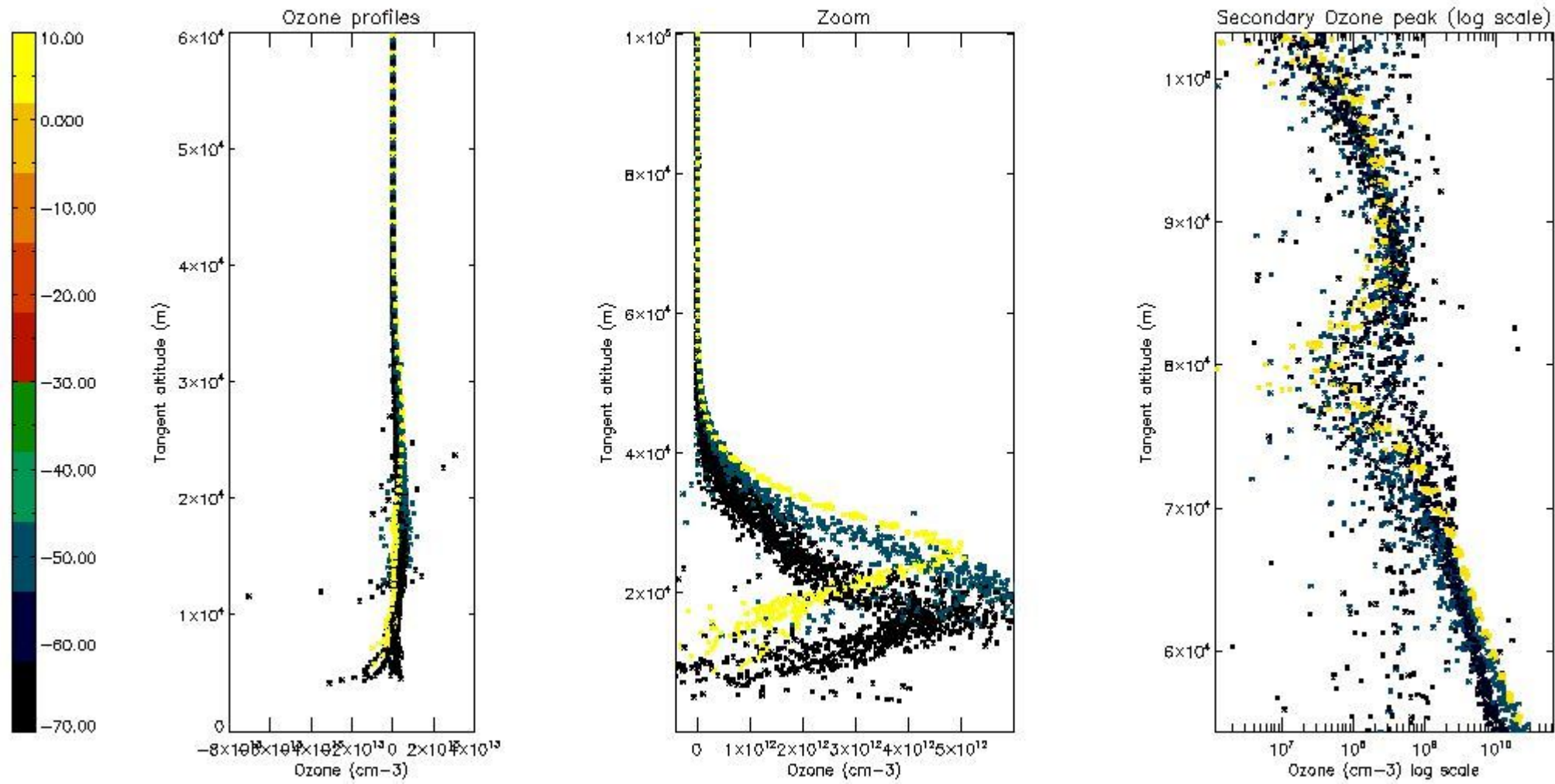
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	34
STD < 20	20

STD < 10	16
STD < 5	12

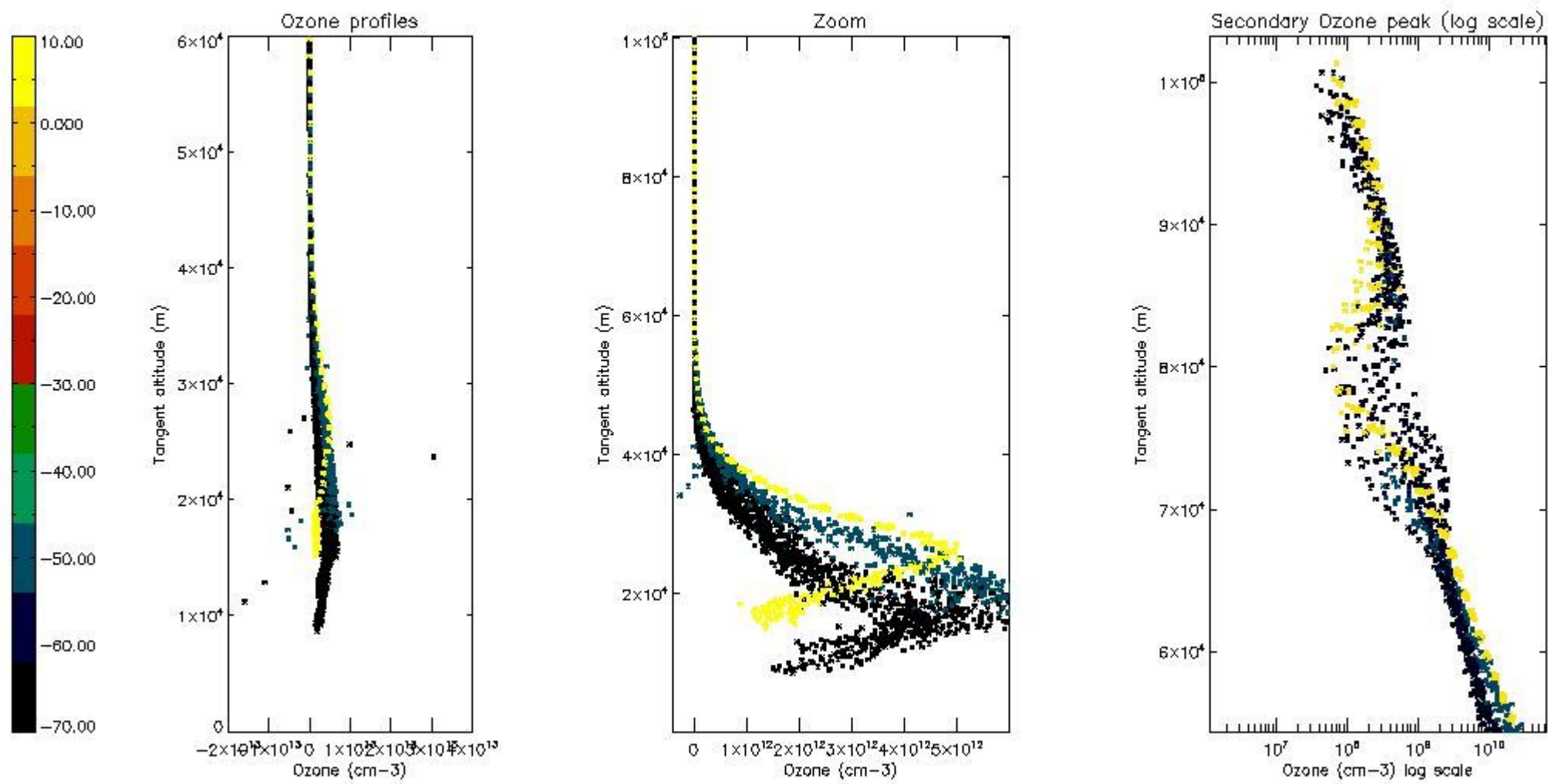
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



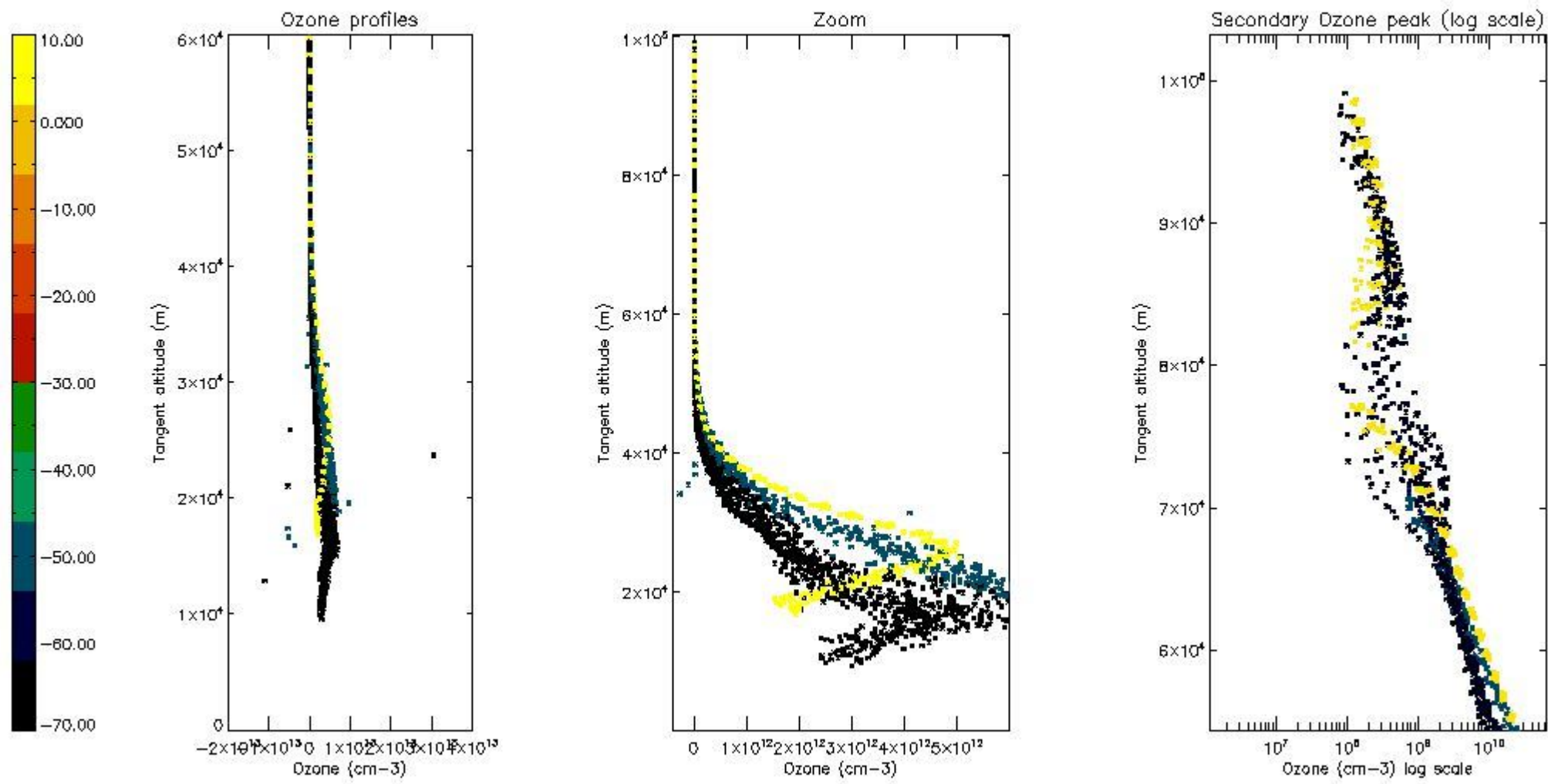
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



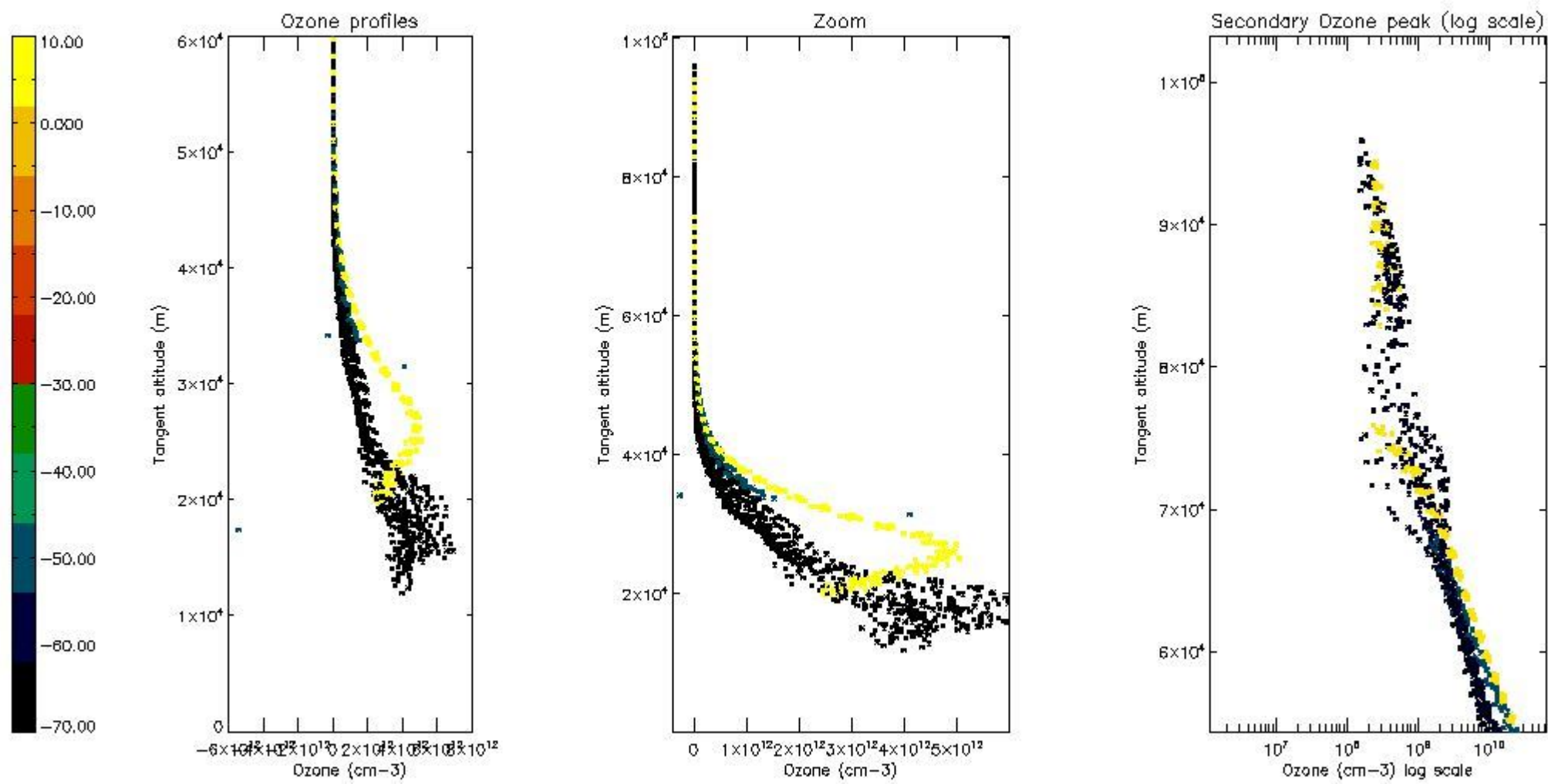
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



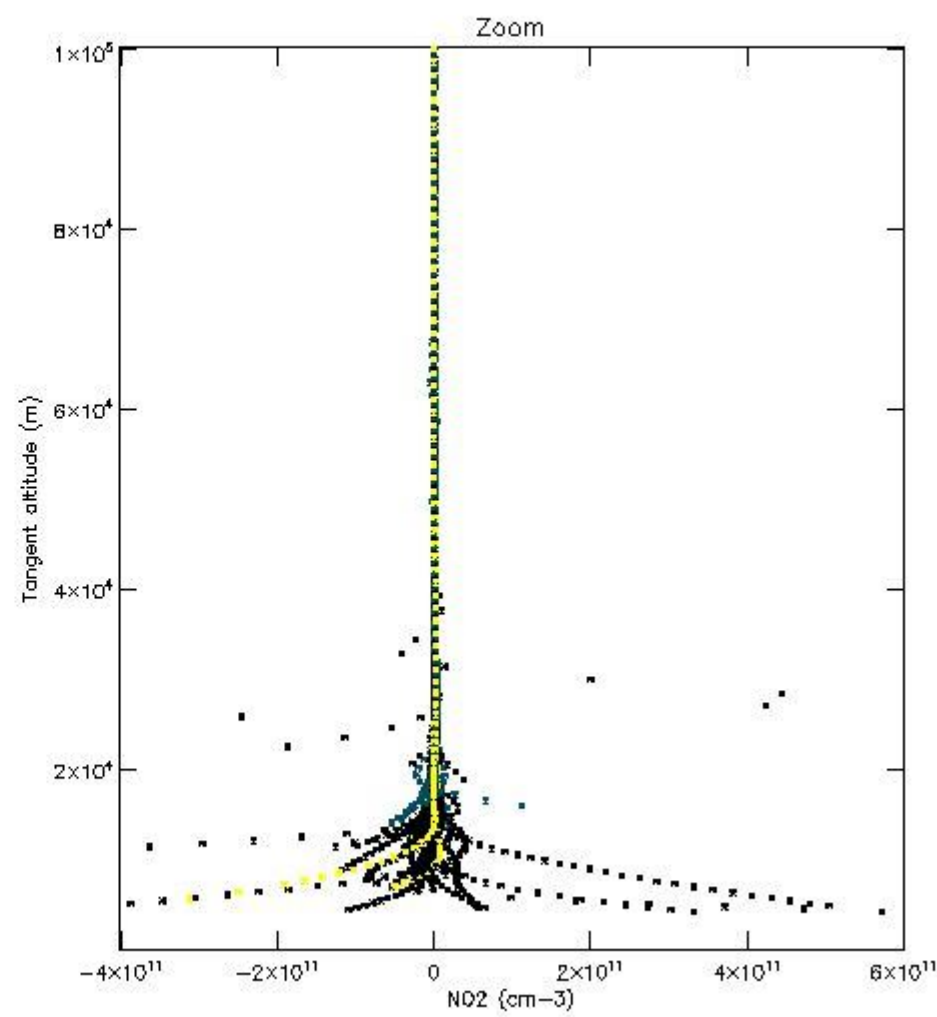
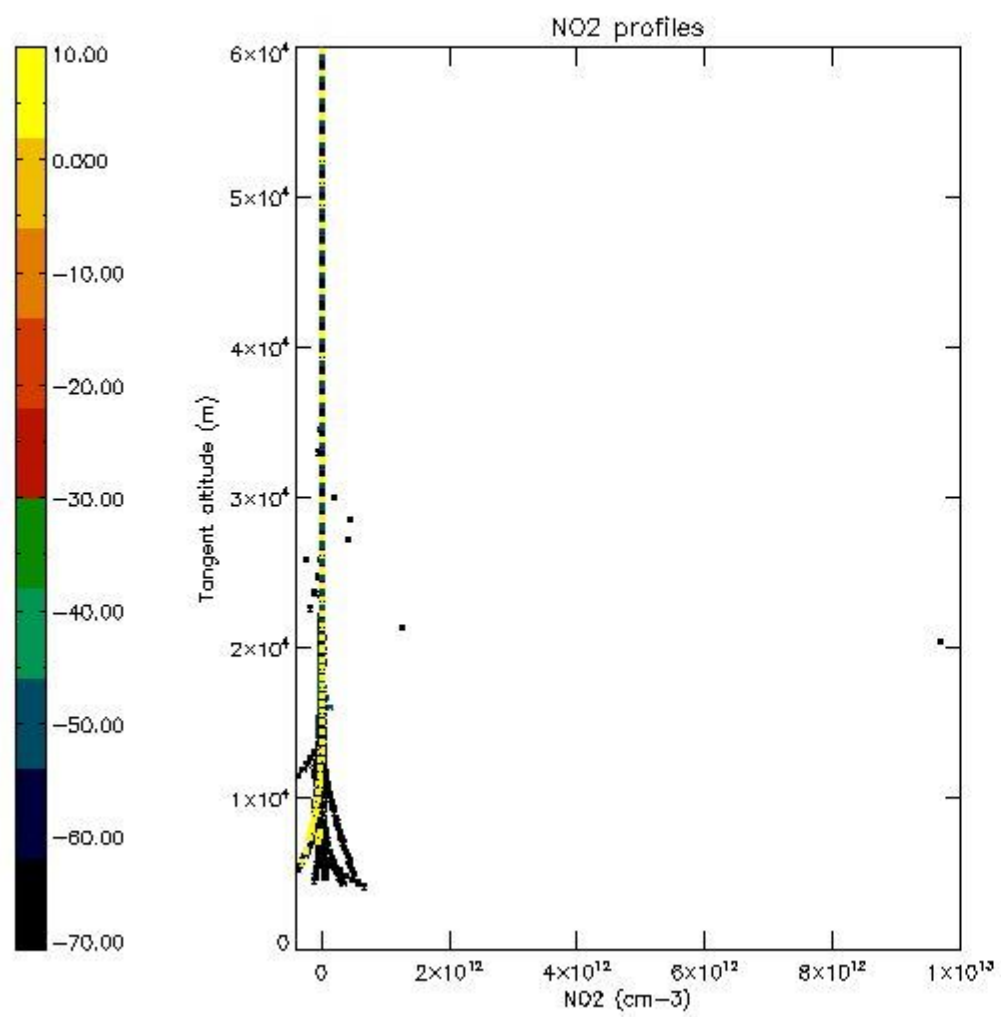
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



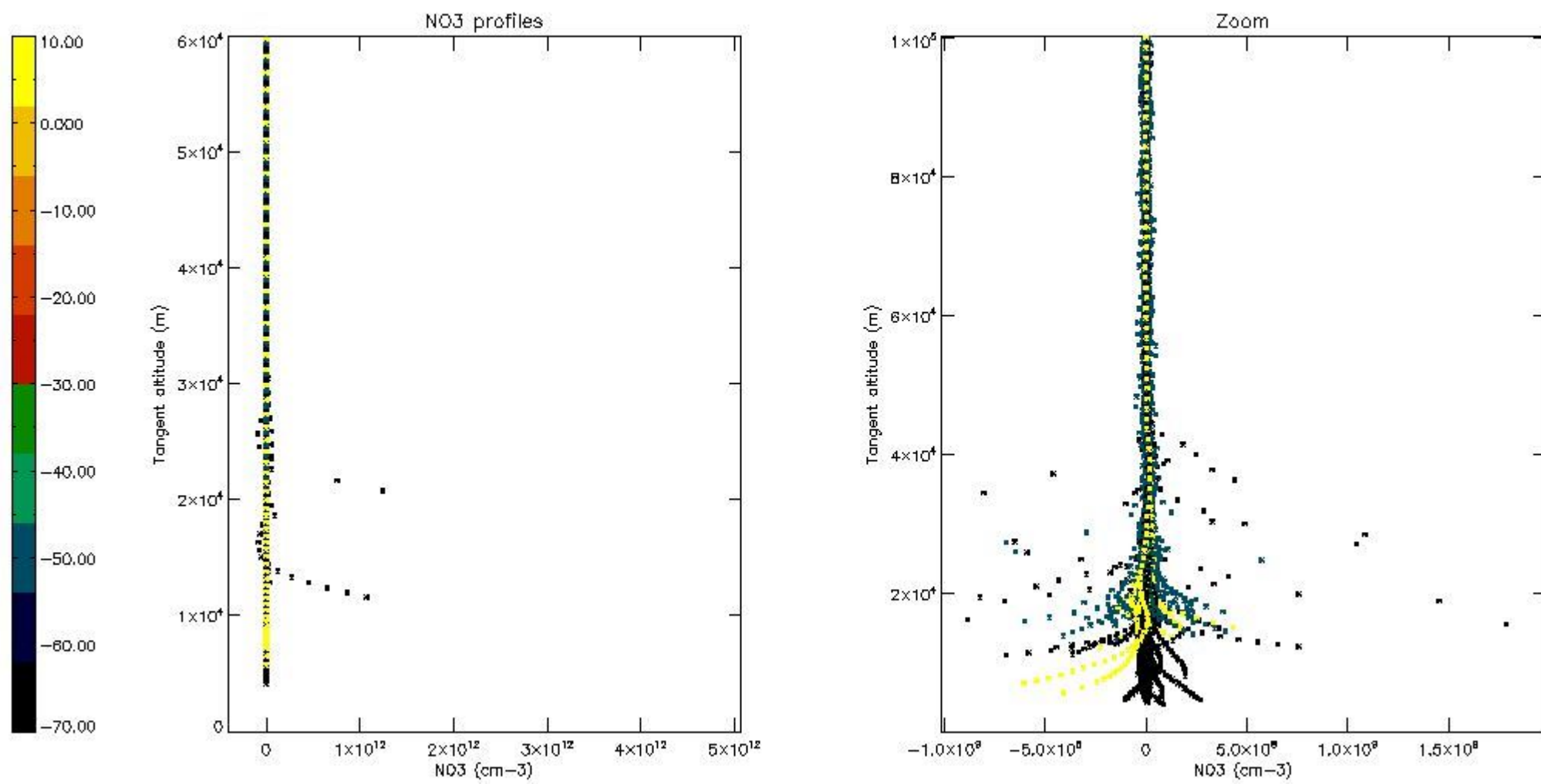
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



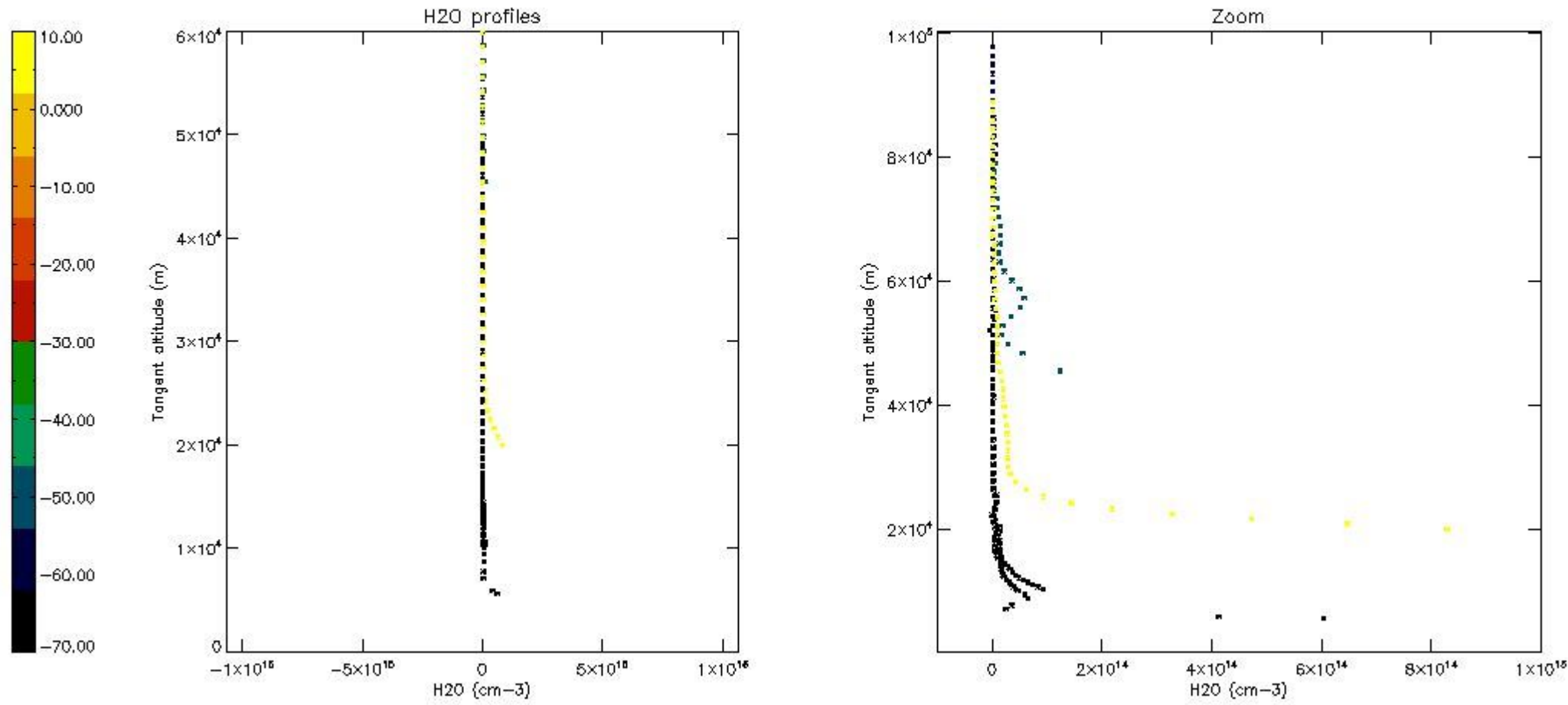
5.7 Plot NO3 profiles for all STD (dark without errors)

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	15-AUG-2007 00:03:06
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	15-AUG-2007 00:03:06
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	15-AUG-2007 00:03:06

GOMOS Level 2 Daily Report

SUMMARY

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

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[4. Level 1 Quality information per product \(stored on level 2 products\)](#)

[4.1 Plot of level 1 quality information per product \(time dependant\)](#)

[4.1.1 Plot of level 1 quality information per product \(time dependant\): ASCENDING](#)

[4.1.2 Plot of level 1 quality information per product \(time dependant\): DESCENDING](#)

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

[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	23APR2013 00:23:48
Data source version	GOMOS/6.01
Start time of products	15-08-2007 (15AUG2007 00:00:00)
Stop time of products	16-08-2007 (16AUG2007 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	270
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

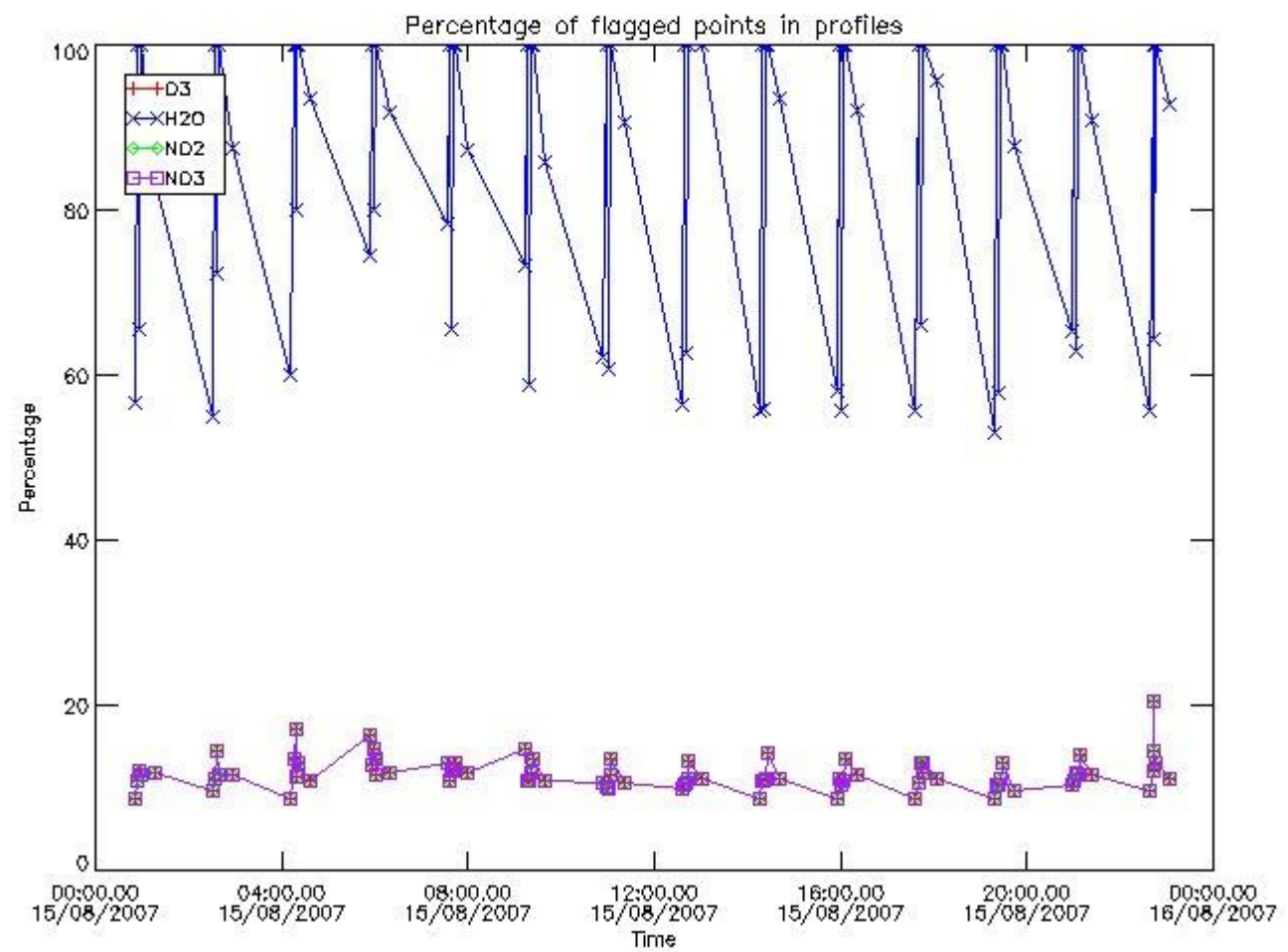
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20070815_000306_000000372060_00417_28527_7763.N1	15-AUG-2007 00:03:06	Bright	37.000	11	53Alp Aql	0.76500	8000.0	74	28527	No
2	GOM_NL__2PRFIN20070815_001031_000000392060_00417_28527_7764.N1	15-AUG-2007 00:10:31	Bright	39.000	92	53Eps Cyg	2.5000	4500.0	78	28527	No
3	GOM_NL__2PRFIN20070815_001204_000000352060_00417_28527_7765.N1	15-AUG-2007 00:12:04	Bright	34.500	66	37Gam Cyg	2.2080	5900.0	69	28527	No
4	GOM_NL__2PRFIN20070815_001343_000000392060_00417_28527_7766.N1	15-AUG-2007 00:13:43	Bright	39.000	19	50Alp Cyg	1.2460	10500.	78	28527	No
5	GOM_NL__2PRFIN20070815_001906_000000392060_00417_28527_7767.N1	15-AUG-2007 00:19:06	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	28527	No
6	GOM_NL__2PRFIN20070815_002601_000000332060_00417_28527_7768.N1	15-AUG-2007 00:26:01	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	28527	No
7	GOM_NL__2PRFIN20070815_003904_000000422060_00417_28527_7769.N1	15-AUG-2007 00:39:04	Bright	42.000	42	34Bet Aur	1.9000	10200.	84	28527	No
8	GOM_NL__2PRFIN20070815_004129_000000412060_00417_28527_7770.N1	15-AUG-2007 00:41:29	Bright	41.000	107	37The Aur	2.6490	11000.	82	28527	No
9	GOM_NL__2PRFIN20070815_004545_000000472060_00417_28527_7771.N1	15-AUG-2007 00:45:45	Twilight	46.500	151	13Mu Gem	2.8900	3000.0	93	28527	No
10	GOM_NL__2PRFIN20070815_004719_000000412060_00417_28527_7772.N1	15-AUG-2007 00:47:19	Twilight	41.000	44	24Gam Gem	1.9280	11000.	82	28527	No
11	GOM_NL__2PRFIN20070815_005046_000000582060_00417_28527_7773.N1	15-AUG-2007 00:50:46	Dark	58.000	14	58Alp Ori	0.87000	3000.0	116	28527	No
12	GOM_NL__2PRFIN20070815_005357_000000482060_00417_28527_7774.N1	15-AUG-2007 00:53:57	Dark	47.500	33	50Zet Ori	1.7660	30000.	95	28527	No
13	GOM_NL__2PRFIN20070815_005625_000000432060_00417_28527_7775.N1	15-AUG-2007 00:56:25	Dark	42.500	1	9Alp CMa	-1.4400	11000.	85	28527	No
14	GOM_NL__2PRFIN20070815_005843_000000442060_00417_28527_7776.N1	15-AUG-2007 00:58:43	Dark	44.000	101	11Alp Lep	2.5820	7000.0	88	28527	No
15	GOM_NL__2PRFIN20070815_011640_000000432060_00418_28528_7795.N1	15-AUG-2007 01:16:40	Dark	43.000	9	Alp Eri	0.45300	24000.	86	28528	No
16	GOM_NL__2PRFIN20070815_012233_000000452060_00418_28528_7796.N1	15-AUG-2007 01:22:33	Straylight	44.500	148	Alp Tuc	2.8780	4100.0	89	28528	No
17	GOM_NL__2PRFIN20070815_012606_000000402060_00418_28528_7797.N1	15-AUG-2007 01:26:06	Straylight	40.000	31	Alp Gru	1.7340	15200.	80	28528	No
18	GOM_NL__2PRFIN20070815_012905_000000422060_00418_28528_7798.N1	15-AUG-2007 01:29:05	Straylight	42.000	172	Gam Gru	3.0030	13100.	84	28528	No
19	GOM_NL__2PRFIN20070815_014342_000000382060_00418_28528_7799.N1	15-AUG-2007 01:43:42	Bright	38.000	11	53Alp Aql	0.76500	8000.0	76	28528	No
20	GOM_NL__2PRFIN20070815_015107_000000372060_00418_28528_7800.N1	15-AUG-2007 01:51:07	Bright	37.000	92	53Eps Cyg	2.5000	4500.0	74	28528	No
21	GOM_NL__2PRFIN20070815_015240_000000382060_00418_28528_7801.N1	15-AUG-2007 01:52:40	Bright	38.000	66	37Gam Cyg	2.2080	5900.0	76	28528	No
22	GOM_NL__2PRFIN20070815_015419_000000402060_00418_28528_7802.N1	15-AUG-2007 01:54:19	Bright	39.500	19	50Alp Cyg	1.2460	10500.	79	28528	No
23	GOM_NL__2PRFIN20070815_015941_000000362060_00418_28528_7803.N1	15-AUG-2007 01:59:41	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	28528	No
24	GOM_NL__2PRFIN20070815_020637_000000352060_00418_28528_7804.N1	15-AUG-2007 02:06:37	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	28528	No
25	GOM_NL__2PRFIN20070815_021940_000000562060_00418_28528_7805.N1	15-AUG-2007 02:19:40	Bright	56.000	42	34Bet Aur	1.9000	10200.	112	28528	No
26	GOM_NL__2PRFIN20070815_022205_000000392060_00418_28528_7806.N1	15-AUG-2007 02:22:05	Bright	38.500	107	37The Aur	2.6490	11000.	77	28528	No
27	GOM_NL__2PRFIN20070815_022620_000000472060_00418_28528_7807.N1	15-AUG-2007 02:26:20	Twilight	46.500	151	13Mu Gem	2.8900	3000.0	93	28528	No
28	GOM_NL__2PRFIN20070815_022755_000000422060_00418_28528_7808.N1	15-AUG-2007 02:27:55	Twilight	42.000	44	24Gam Gem	1.9280	11000.	84	28528	No
29	GOM_NL__2PRFIN20070815_023122_000000532060_00418_28528_7809.N1	15-AUG-2007 02:31:22	Dark	52.500	14	58Alp Ori	0.87000	3000.0	105	28528	No
30	GOM_NL__2PRFIN20070815_023434_000000462060_00418_28528_7810.N1	15-AUG-2007 02:34:34	Dark	45.500	33	50Zet Ori	1.7660	30000.	91	28528	No
31	GOM_NL__2PRFIN20070815_023702_000000422060_00418_28528_7811.N1	15-AUG-2007 02:37:02	Dark	42.000	1	9Alp CMa	-1.4400	11000.	84	28528	No
32	GOM_NL__2PRFIN20070815_023920_000000442060_00418_28528_7812.N1	15-AUG-2007 02:39:20	Dark	44.000	101	11Alp Lep	2.5820	7000.0	88	28528	No
33	GOM_NL__2PRFIN20070815_025717_000000452060_00419_28529_7803.N1	15-AUG-2007 02:57:17	Dark	44.500	9	Alp Eri	0.45300	24000.	89	28529	No
34	GOM_NL__2PRFIN20070815_030309_000000392060_00419_28529_7804.N1	15-AUG-2007 03:03:09	Straylight	39.000	148	Alp Tuc	2.8780	4100.0	78	28529	No
35	GOM_NL__2PRFIN20070815_030642_000000412060_00419_28529_7805.N1	15-AUG-2007 03:06:42	Straylight	40.500	31	Alp Gru	1.7340	15200.	81	28529	No
36	GOM_NL__2PRFIN20070815_030941_000000412060_00419_28529_7806.N1	15-AUG-2007 03:09:41	Straylight	40.500	172	Gam Gru	3.0030	13100.	81	28529	No
37	GOM_NL__2PRFIN20070815_032418_000000372060_00419_28529_7807.N1	15-AUG-2007 03:24:18	Bright	37.000	11	53Alp Aql	0.76500	8000.0	74	28529	No
38	GOM_NL__2PRFIN20070815_033142_000000392060_00419_28529_7808.N1	15-AUG-2007 03:31:42	Bright	39.000	92	53Eps Cyg	2.5000	4500.0	78	28529	No
39	GOM_NL__2PRFIN20070815_033316_000000392060_00419_28529_7809.N1	15-AUG-2007 03:33:16	Bright	38.500	66	37Gam Cyg	2.2080	5900.0	77	28529	No
40	GOM_NL__2PRFIN20070815_033454_000000382060_00419_28529_7810.N1	15-AUG-2007 03:34:54	Bright	38.000	19	50Alp Cyg	1.2460	10500.	76	28529	No
41	GOM_NL__2PRFIN20070815_034017_000000362060_00419_28529_7811.N1	15-AUG-2007 03:40:17	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	28529	No
42	GOM_NL__2PRFIN20070815_034713_000000332060_00419_28529_7812.N1	15-AUG-2007 03:47:13	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	28529	No

220	GOM_NL__2PRFIN20070815_192304_000000492060_00428_28538_8101.N1	15-AUG-2007 19:23:04	Dark	49.000	1	9Alp CMa	-1.4400	11000.	98	28538	No
221	GOM_NL__2PRFIN20070815_192526_000000462060_00428_28538_8102.N1	15-AUG-2007 19:25:26	Dark	45.500	101	11Alp Lep	2.5820	7000.0	91	28538	No
222	GOM_NL__2PRFIN20070815_192710_000000392060_00428_28538_8103.N1	15-AUG-2007 19:27:10	Dark	39.000	177	1Zet CMa	3.0220	26000.	78	28538	No
223	GOM_NL__2PRFIN20070815_194323_000000542060_00429_28539_8100.N1	15-AUG-2007 19:43:23	Dark	53.500	9	Alp Eri	0.45300	24000.	107	28539	No
224	GOM_NL__2PRFIN20070815_194912_000000472060_00429_28539_8101.N1	15-AUG-2007 19:49:12	Straylight	46.500	148	Alp Tuc	2.8780	4100.0	93	28539	No
225	GOM_NL__2PRFIN20070815_195245_000000402060_00429_28539_8102.N1	15-AUG-2007 19:52:45	Straylight	39.500	31	Alp Gru	1.7340	15200.	79	28539	No
226	GOM_NL__2PRFIN20070815_195544_000000402060_00429_28539_8103.N1	15-AUG-2007 19:55:44	Straylight	39.500	172	Gam Gru	3.0030	13100.	79	28539	No
227	GOM_NL__2PRFIN20070815_201018_000000372060_00429_28539_8104.N1	15-AUG-2007 20:10:18	Bright	36.500	11	53Alp Aql	0.76500	8000.0	73	28539	No
228	GOM_NL__2PRFIN20070815_201739_000000382060_00429_28539_8105.N1	15-AUG-2007 20:17:39	Bright	38.000	92	53Eps Cyg	2.5000	4500.0	76	28539	No
229	GOM_NL__2PRFIN20070815_201914_000000372060_00429_28539_8106.N1	15-AUG-2007 20:19:14	Bright	37.000	66	37Gam Cyg	2.2080	5900.0	74	28539	No
230	GOM_NL__2PRFIN20070815_202029_000000352060_00429_28539_8107.N1	15-AUG-2007 20:20:29	Bright	34.500	144	18Del Cyg	2.8600	11000.	69	28539	No
231	GOM_NL__2PRFIN20070815_202613_000000392060_00429_28539_8108.N1	15-AUG-2007 20:26:13	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	28539	No
232	GOM_NL__2PRFIN20070815_203313_000000362060_00429_28539_8109.N1	15-AUG-2007 20:33:13	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	28539	No
233	GOM_NL__2PRFIN20070815_204615_000000432060_00429_28539_8110.N1	15-AUG-2007 20:46:15	Bright	42.500	42	34Bet Aur	1.9000	10200.	85	28539	No
234	GOM_NL__2PRFIN20070815_204841_000000382060_00429_28539_8111.N1	15-AUG-2007 20:48:41	Bright	37.500	107	37The Aur	2.6490	11000.	75	28539	No
235	GOM_NL__2PRFIN20070815_205259_000000472060_00429_28539_8112.N1	15-AUG-2007 20:52:59	Tw_i_and_stray	47.000	151	13Mu Gem	2.8900	3000.0	94	28539	No
236	GOM_NL__2PRFIN20070815_205434_000000452060_00429_28539_8113.N1	15-AUG-2007 20:54:34	Tw_i_and_stray	44.500	44	24Gam Gem	1.9280	11000.	89	28539	No
237	GOM_NL__2PRFIN20070815_205802_000000502060_00429_28539_8114.N1	15-AUG-2007 20:58:02	Dark	49.500	14	58Alp Ori	0.87000	3000.0	99	28539	No
238	GOM_NL__2PRFIN20070815_210115_000000482060_00429_28539_8115.N1	15-AUG-2007 21:01:15	Dark	47.500	33	50Zet Ori	1.7660	30000.	95	28539	No
239	GOM_NL__2PRFIN20070815_210340_000000442060_00429_28539_8116.N1	15-AUG-2007 21:03:40	Dark	43.500	1	9Alp CMa	-1.4400	11000.	87	28539	No
240	GOM_NL__2PRFIN20070815_210602_000000442060_00429_28539_8117.N1	15-AUG-2007 21:06:02	Dark	44.000	101	11Alp Lep	2.5820	7000.0	88	28539	No
241	GOM_NL__2PRFIN20070815_210747_000000372060_00429_28539_8118.N1	15-AUG-2007 21:07:47	Dark	36.500	177	1Zet CMa	3.0220	26000.	73	28539	No
242	GOM_NL__2PRFIN20070815_212400_000000442060_00430_28540_8109.N1	15-AUG-2007 21:24:00	Dark	44.000	9	Alp Eri	0.45300	24000.	88	28540	No
243	GOM_NL__2PRFIN20070815_212948_000000392060_00430_28540_8110.N1	15-AUG-2007 21:29:48	Straylight	39.000	148	Alp Tuc	2.8780	4100.0	78	28540	No
244	GOM_NL__2PRFIN20070815_213321_000000402060_00430_28540_8111.N1	15-AUG-2007 21:33:21	Straylight	39.500	31	Alp Gru	1.7340	15200.	79	28540	No
245	GOM_NL__2PRFIN20070815_213620_000000402060_00430_28540_8112.N1	15-AUG-2007 21:36:20	Straylight	40.000	172	Gam Gru	3.0030	13100.	80	28540	No
246	GOM_NL__2PRFIN20070815_215054_000000372060_00430_28540_8113.N1	15-AUG-2007 21:50:54	Bright	36.500	11	53Alp Aql	0.76500	8000.0	73	28540	No
247	GOM_NL__2PRFIN20070815_215815_000000372060_00430_28540_8114.N1	15-AUG-2007 21:58:15	Bright	36.500	92	53Eps Cyg	2.5000	4500.0	73	28540	No
248	GOM_NL__2PRFIN20070815_215949_000000352060_00430_28540_8115.N1	15-AUG-2007 21:59:49	Bright	34.500	66	37Gam Cyg	2.2080	5900.0	69	28540	No
249	GOM_NL__2PRFIN20070815_220105_000000342060_00430_28540_8116.N1	15-AUG-2007 22:01:05	Bright	33.500	144	18Del Cyg	2.8600	11000.	67	28540	No
250	GOM_NL__2PRFIN20070815_220649_000000392060_00430_28540_8117.N1	15-AUG-2007 22:06:49	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	28540	No
251	GOM_NL__2PRFIN20070815_221348_000000362060_00430_28540_8118.N1	15-AUG-2007 22:13:48	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	28540	No
252	GOM_NL__2PRFIN20070815_222651_000000412060_00430_28540_8119.N1	15-AUG-2007 22:26:51	Bright	40.500	42	34Bet Aur	1.9000	10200.	81	28540	No
253	GOM_NL__2PRFIN20070815_222917_000000372060_00430_28540_8120.N1	15-AUG-2007 22:29:17	Bright	36.500	107	37The Aur	2.6490	11000.	73	28540	No
254	GOM_NL__2PRFIN20070815_223335_000000492060_00430_28540_8121.N1	15-AUG-2007 22:33:35	Tw_i_and_stray	48.500	151	13Mu Gem	2.8900	3000.0	97	28540	No
255	GOM_NL__2PRFIN20070815_223510_000000432060_00430_28540_8122.N1	15-AUG-2007 22:35:10	Tw_i_and_stray	43.000	44	24Gam Gem	1.9280	11000.	86	28540	No
256	GOM_NL__2PRFIN20070815_223838_000000542060_00430_28540_8123.N1	15-AUG-2007 22:38:38	Dark	53.500	14	58Alp Ori	0.87000	3000.0	107	28540	No
257	GOM_NL__2PRFIN20070815_224152_000000472060_00430_28540_8124.N1	15-AUG-2007 22:41:52	Dark	46.500	33	50Zet Ori	1.7660	30000.	93	28540	No
258	GOM_NL__2PRFIN20070815_224313_000000252060_00430_28540_8125.N1	15-AUG-2007 22:43:13	Dark	25.000	125	44Iot Ori	2.7700	30000.	50	28540	No
259	GOM_NL__2PRFIN20070815_224416_000000432060_00430_28540_8126.N1	15-AUG-2007 22:44:16	Dark	42.500	1	9Alp CMa	-1.4400	11000.	85	28540	No
260	GOM_NL__2PRFIN20070815_224639_000000432060_00430_28540_8127.N1	15-AUG-2007 22:46:39	Dark	43.000	101	11Alp Lep	2.5820	7000.0	86	28540	No
261	GOM_NL__2PRFIN20070815_230436_000000562060_00431_28541_8128.N1	15-AUG-2007 23:04:36	Dark	55.500	9	Alp Eri	0.45300	24000.	111	28541	No
262	GOM_NL__2PRFIN20070815_231024_000000402060_00431_28541_8129.N1	15-AUG-2007 23:10:24	Straylight	39.500	148	Alp Tuc	2.8780	4100.0	79	28541	No
263	GOM_NL__2PRFIN20070815_231358_000000412060_00431_28541_8130.N1	15-AUG-2007 23:13:58	Straylight	41.000	31	Alp Gru	1.7340	15200.	82	28541	No
264	GOM_NL__2PRFIN20070815_231656_000000412060_00431_28541_8131.N1	15-AUG-2007 23:16:56	Straylight	40.500	172	Gam Gru	3.0030	13100.	81	28541	No
265	GOM_NL__2PRFIN20070815_233130_000000372060_00431_28541_8132.N1	15-AUG-2007 23:31:30	Bright	37.000	11	53Alp Aql	0.76500	8000.0	74	28541	No
266	GOM_NL__2PRFIN20070815_233851_000000402060_00431_28541_8133.N1	15-AUG-2007 23:38:51	Bright	39.500	92	53Eps Cyg	2.5000	4500.0	79	28541	No
267	GOM_NL__2PRFIN20070815_234025_000000382060_00431_28541_8134.N1	15-AUG-2007 23:40:25	Bright	38.000	66	37Gam Cyg	2.2080	5900.0	76	28541	No
268	GOM_NL__2PRFIN20070815_234141_000000362060_00431_28541_8135.N1	15-AUG-2007 23:41:41	Bright	36.000	144	18Del Cyg	2.8600	11000.	72	28541	No
269	GOM_NL__2PRFIN20070815_234725_000000382060_00431_28541_8136.N1	15-AUG-2007 23:47:25	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	28541	No
270	GOM_NL__2PRFIN20070815_235424_000000362060_00431_28541_8137.N1	15-AUG-2007 23:54:24	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	28541	No

3. Quality information per product

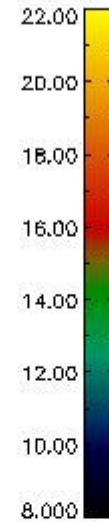
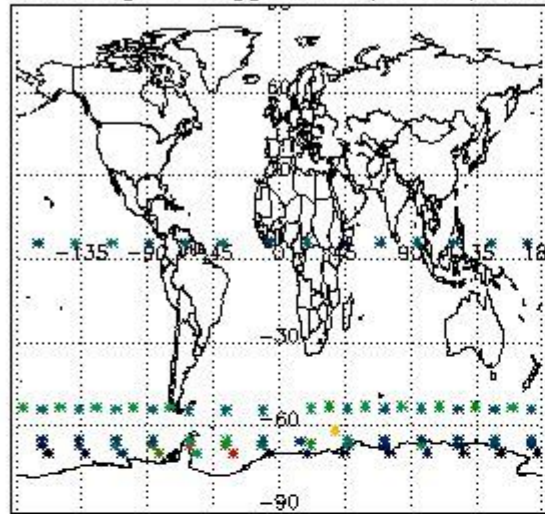
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

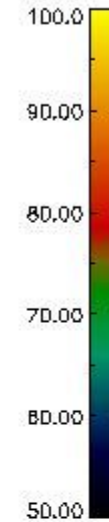
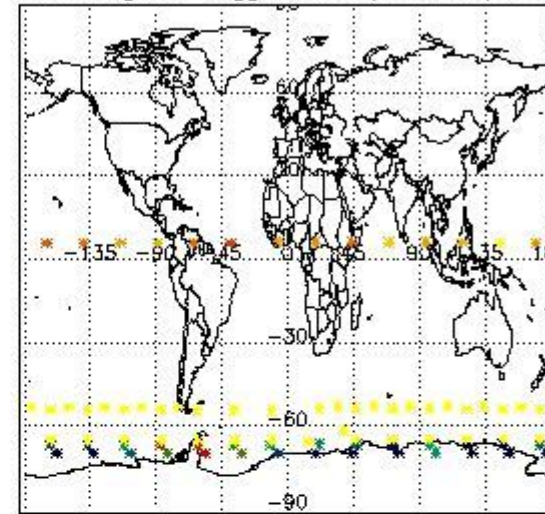


3.2 Plot quality information per product (world map)

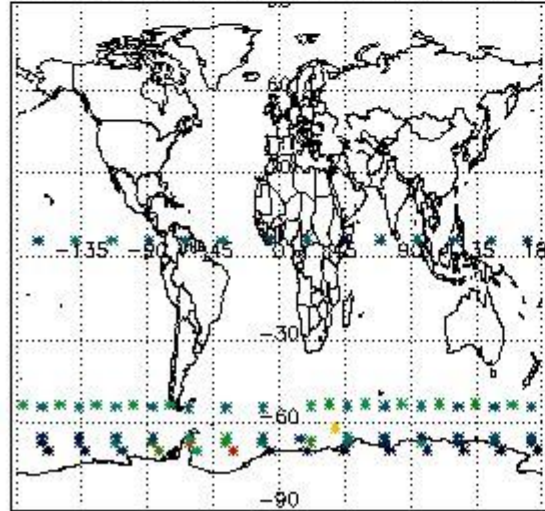
Percentage of flagged data per O3 profile



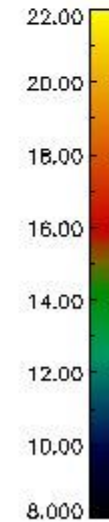
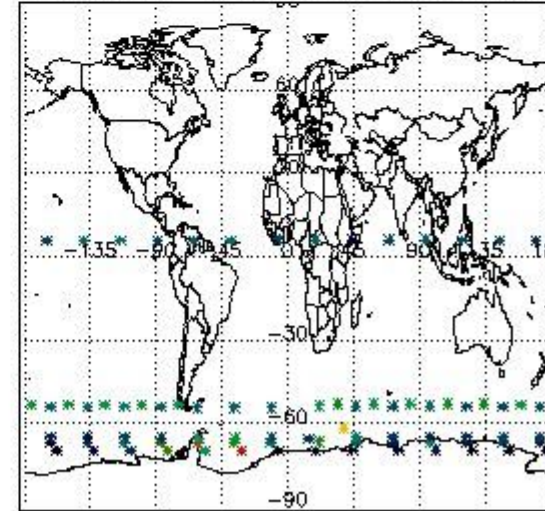
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

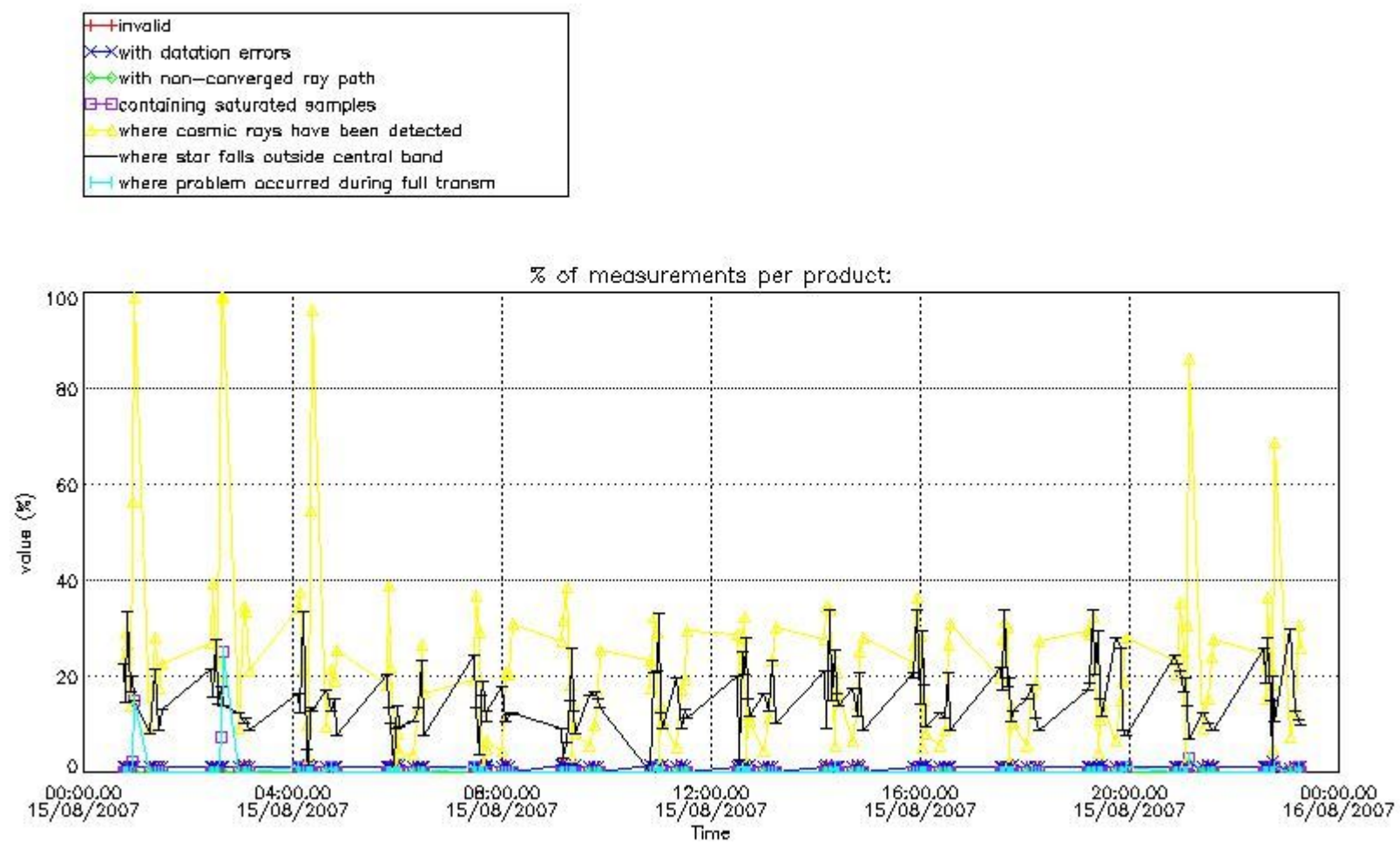


4. Level 1 quality information per product

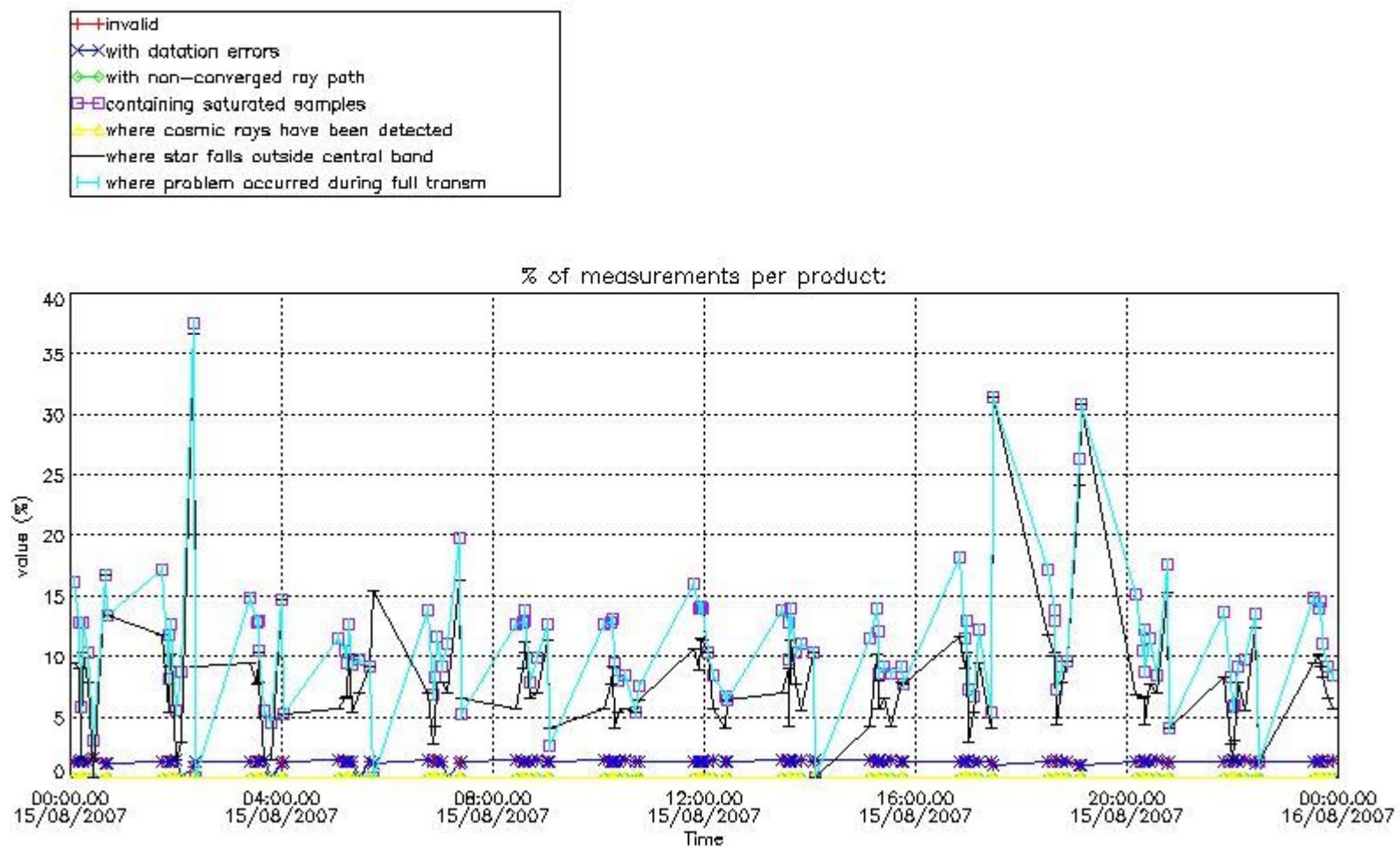
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

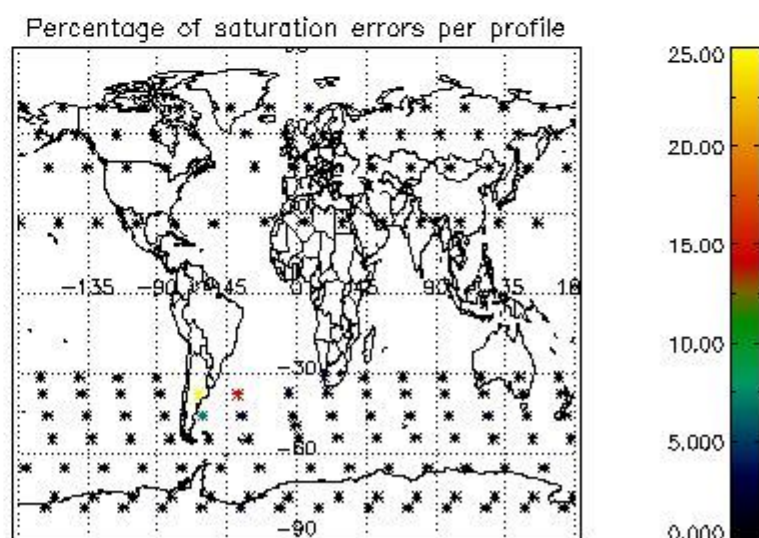
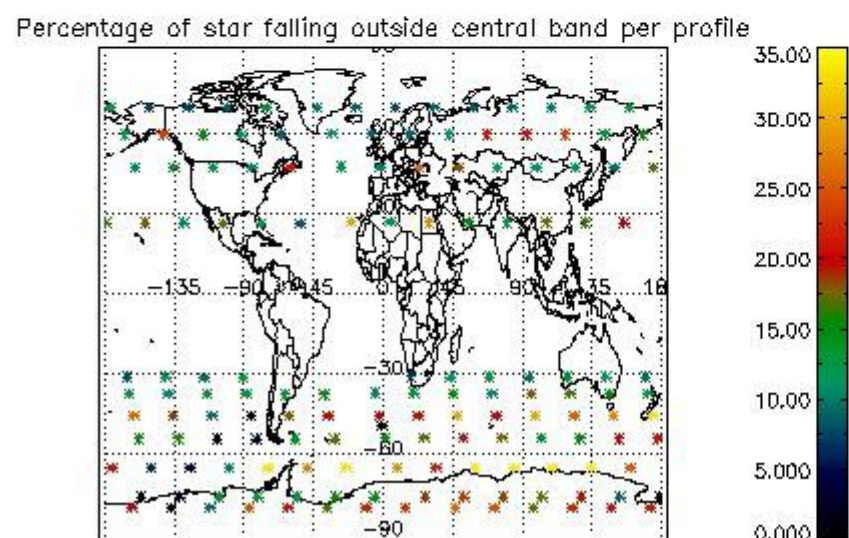
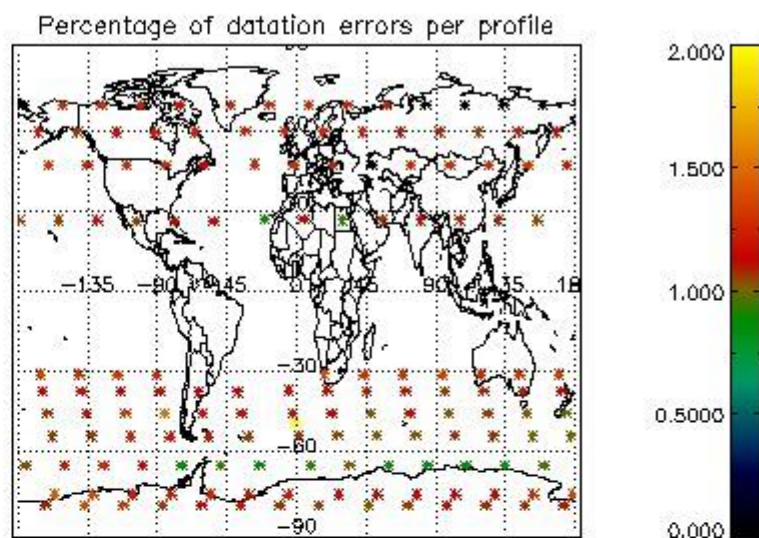
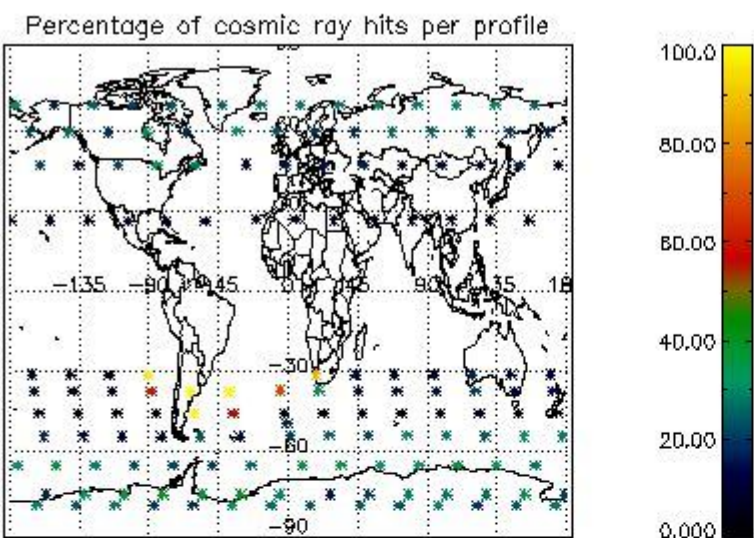
4.1.1 Plot level 1 quality information per product (time dependant): ENVISAT ASCENDING passes



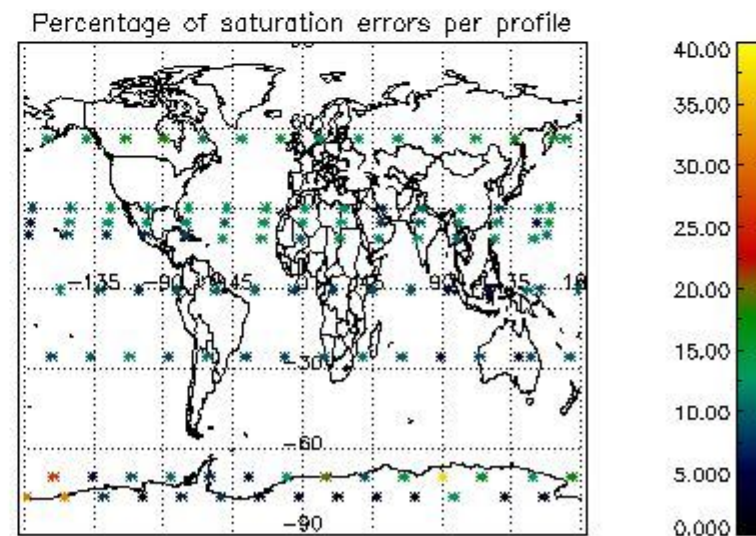
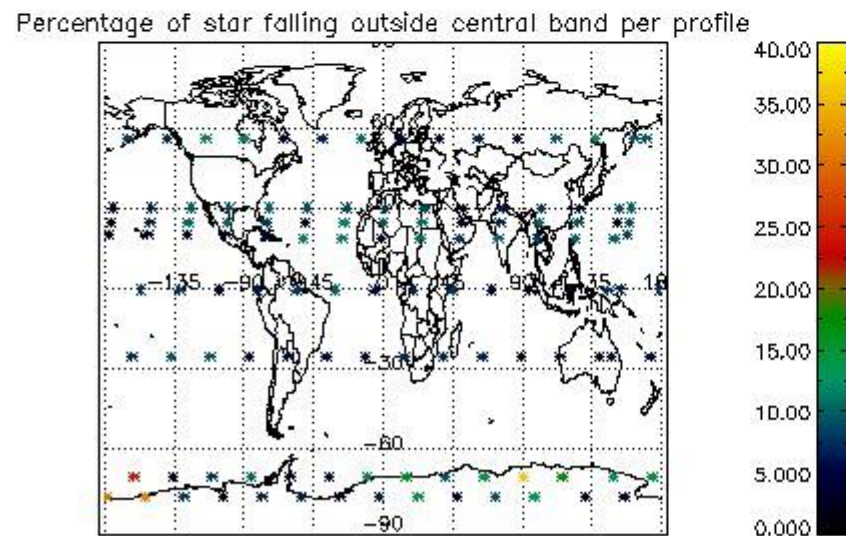
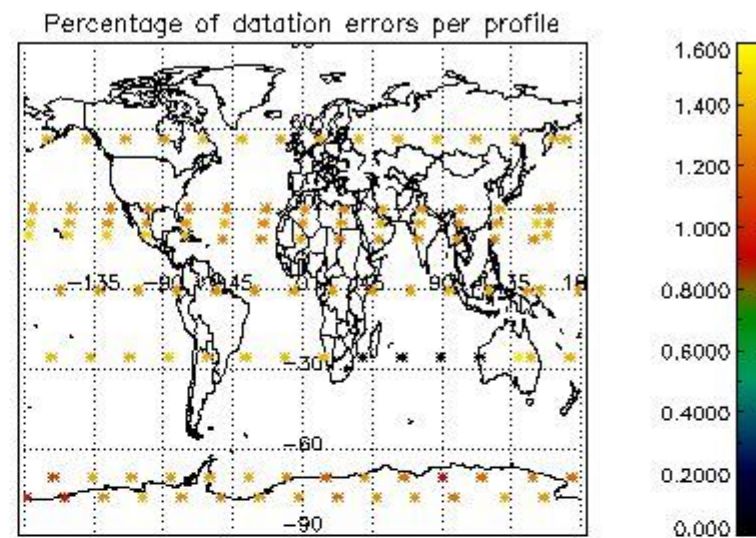
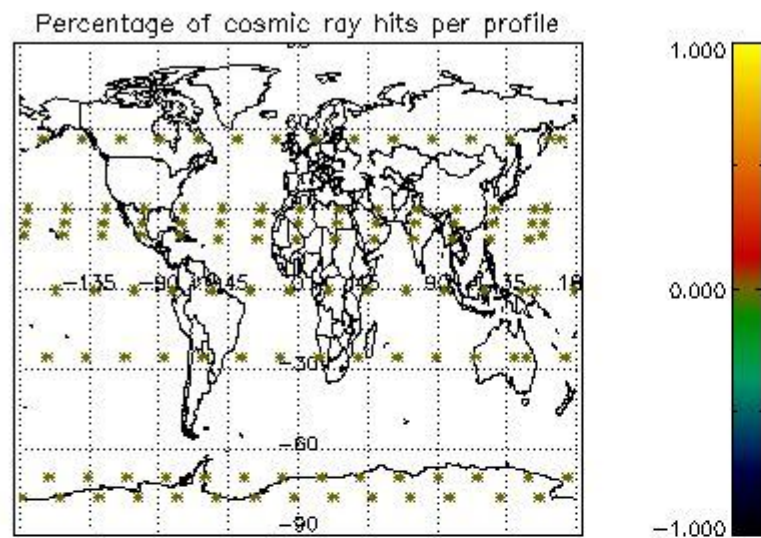
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



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

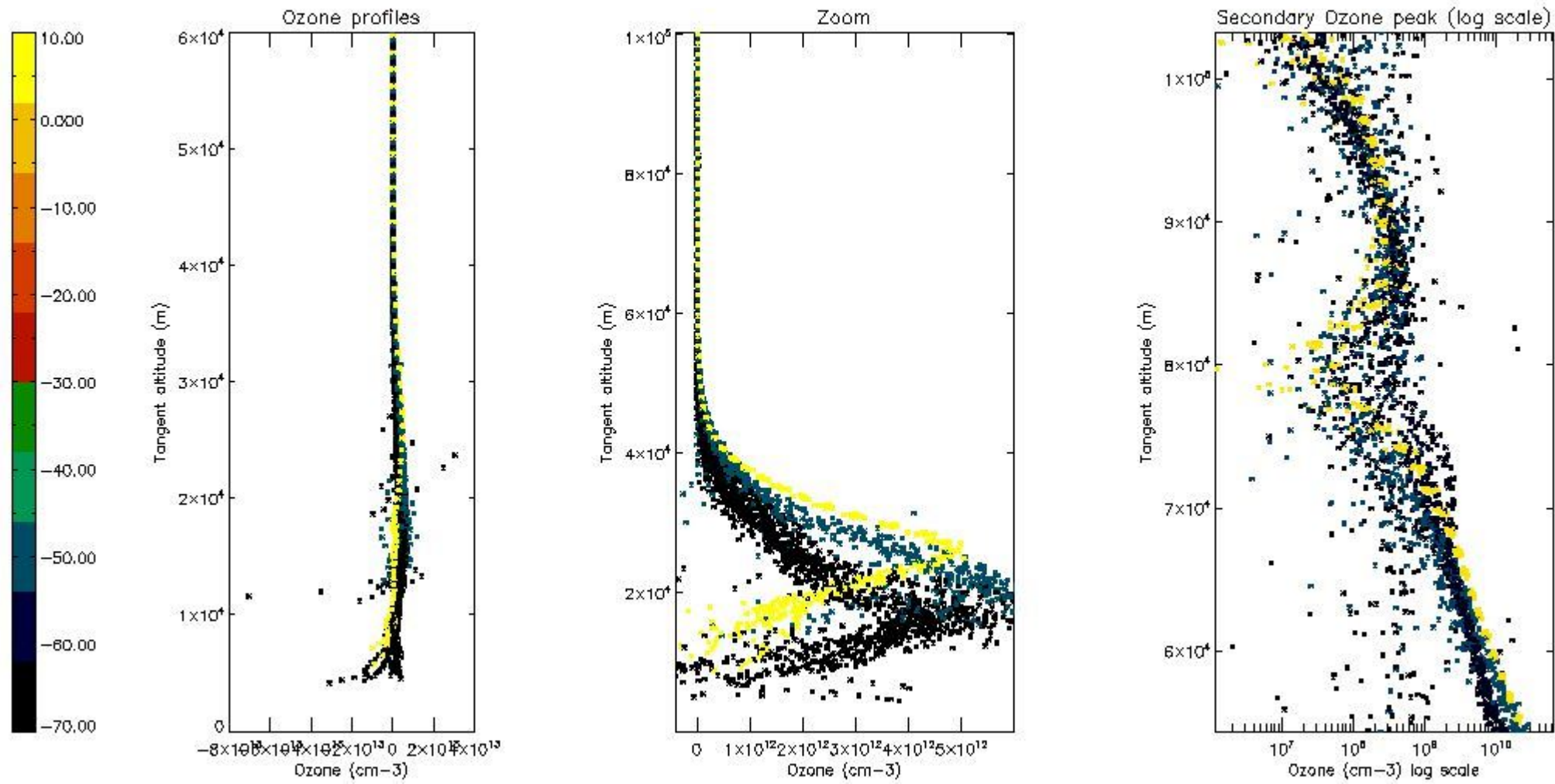
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	34
STD < 20	20

STD < 10	16
STD < 5	12

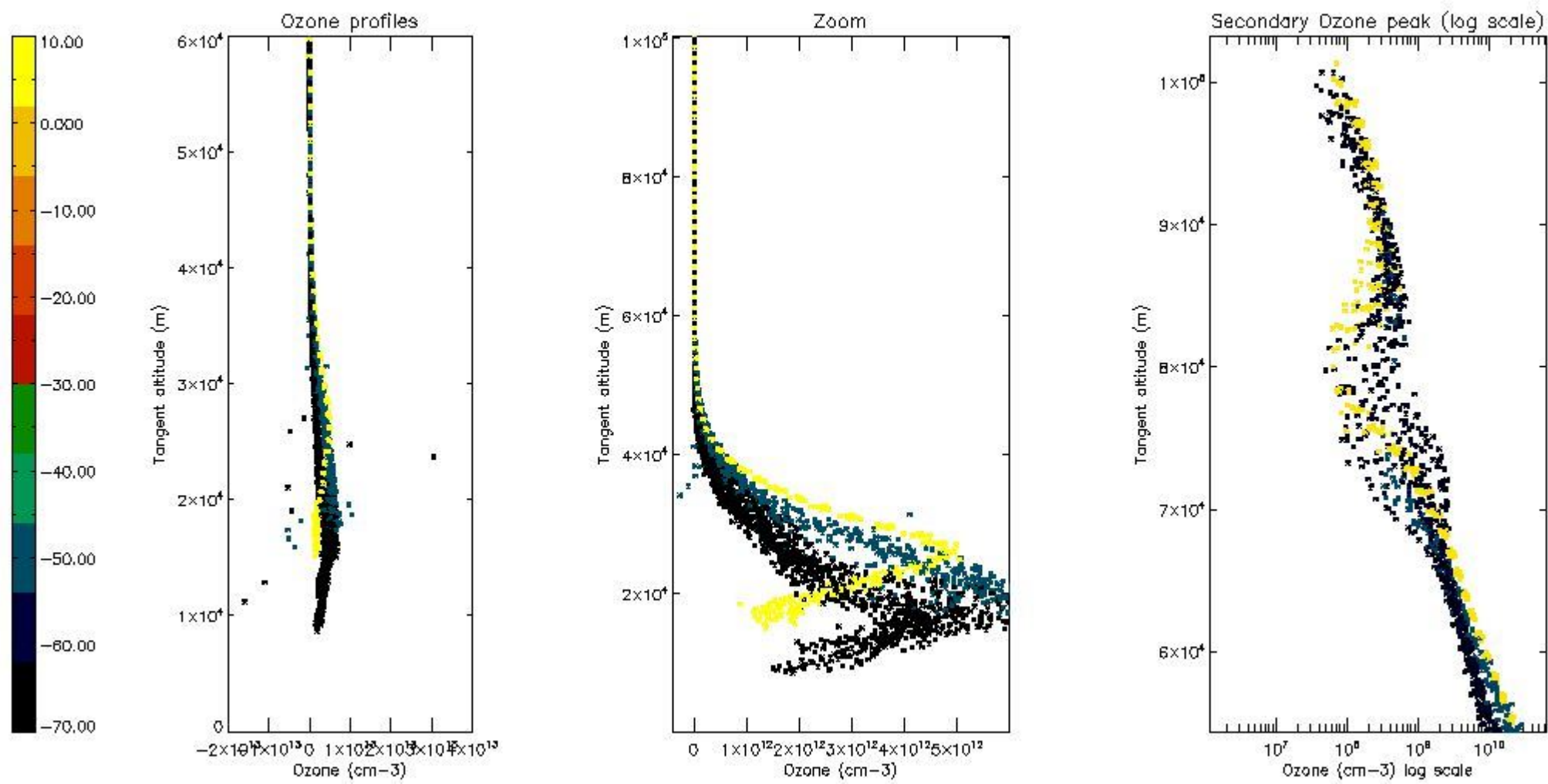
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



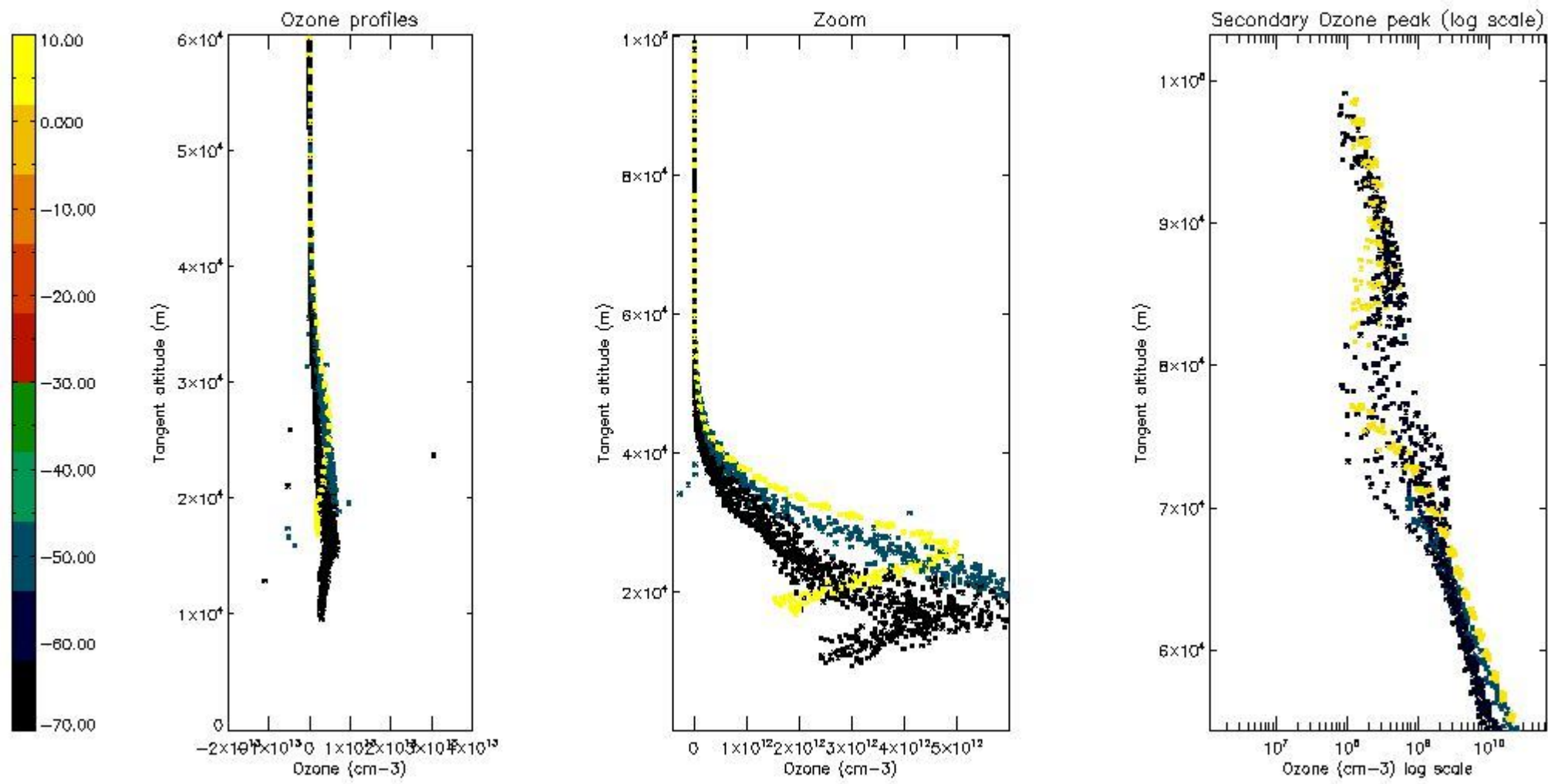
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



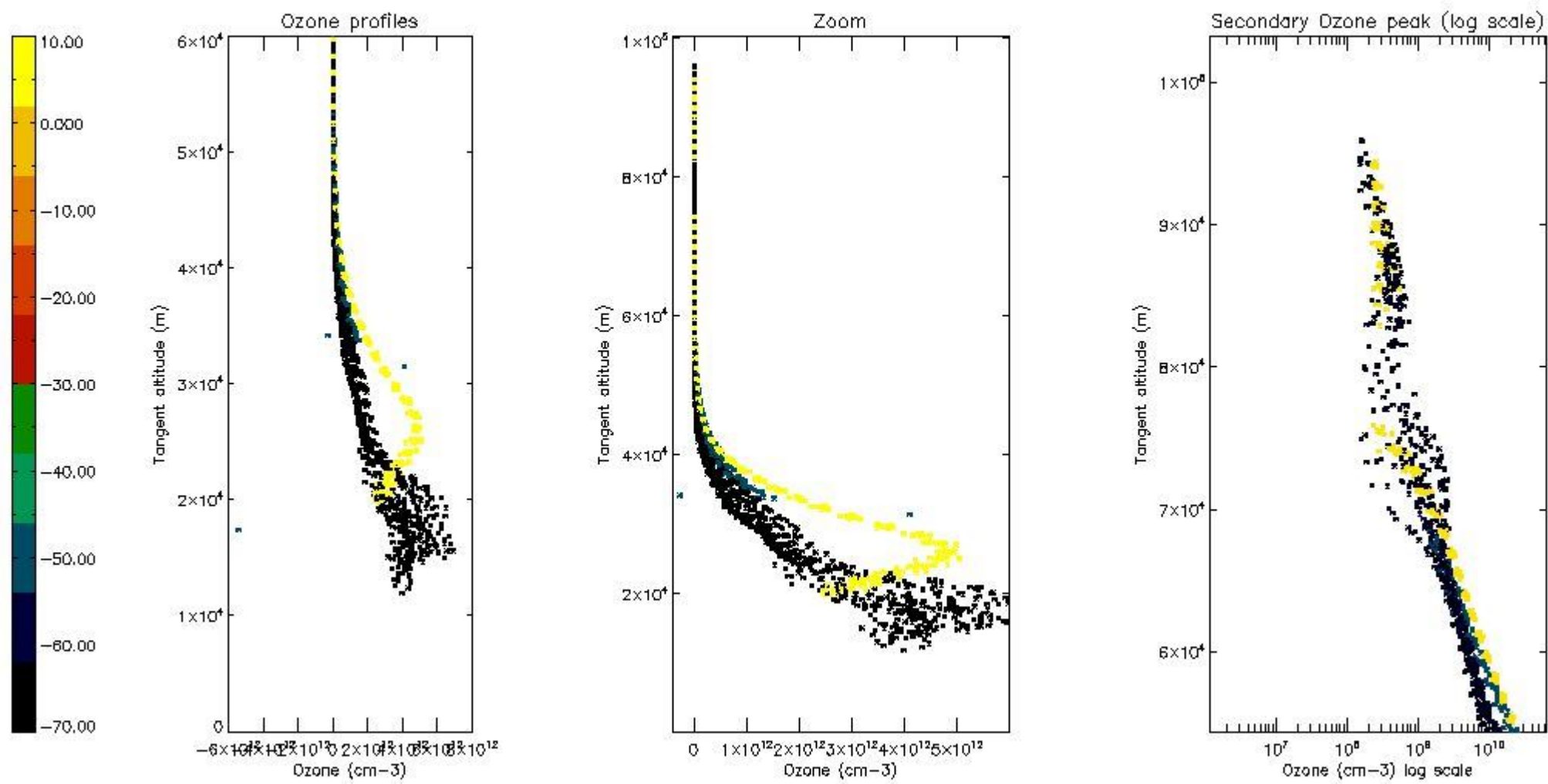
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



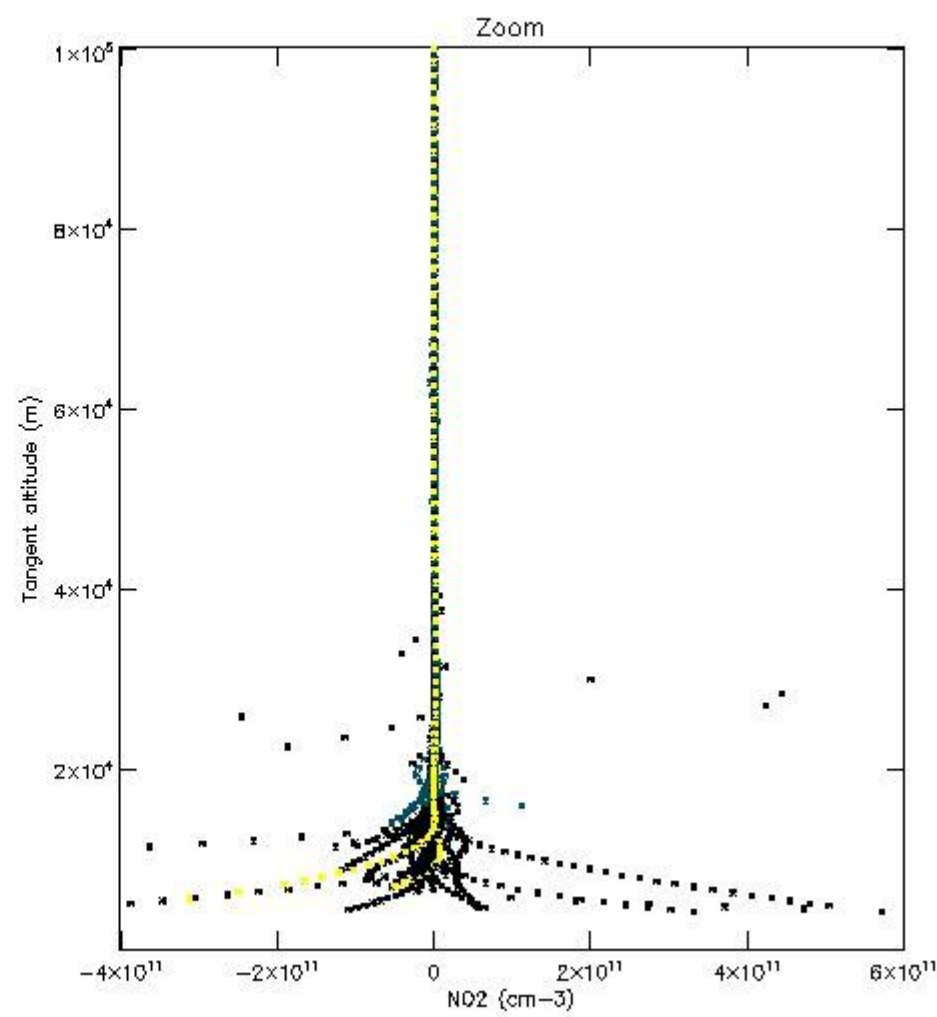
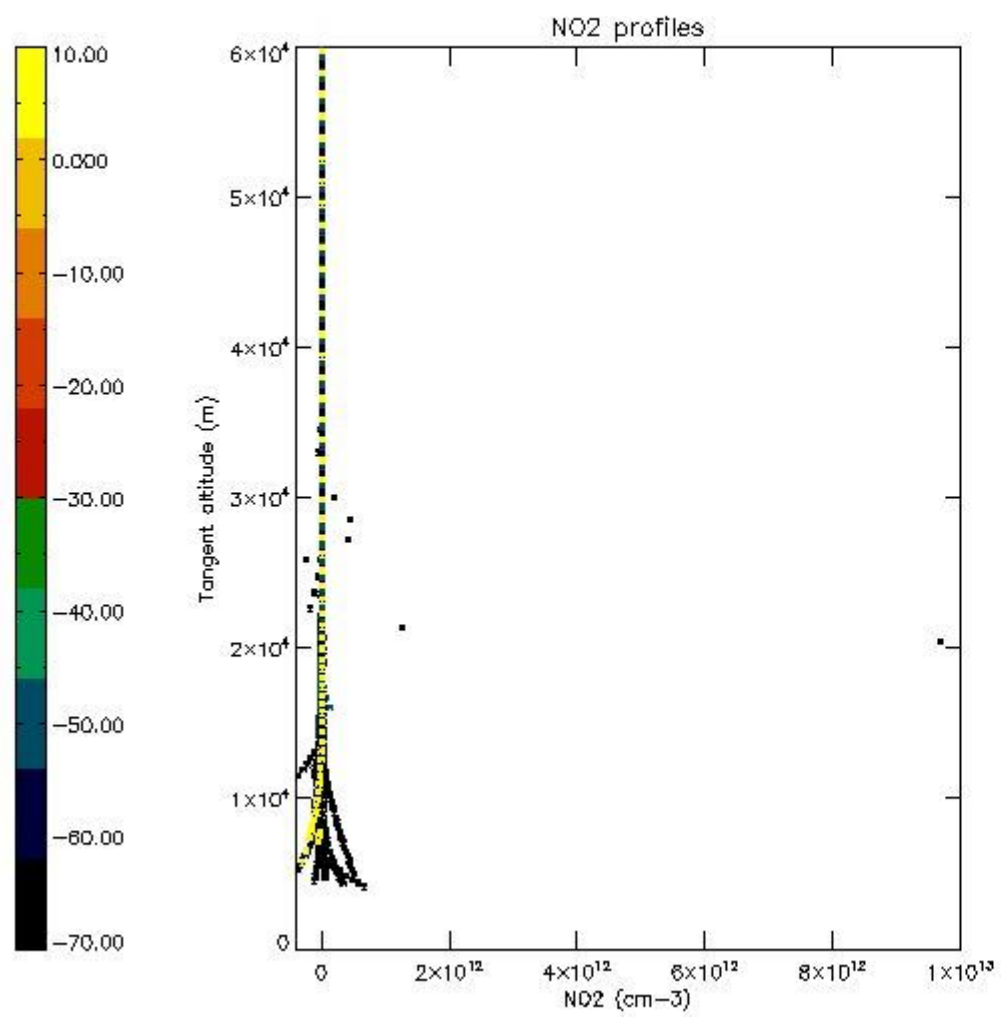
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



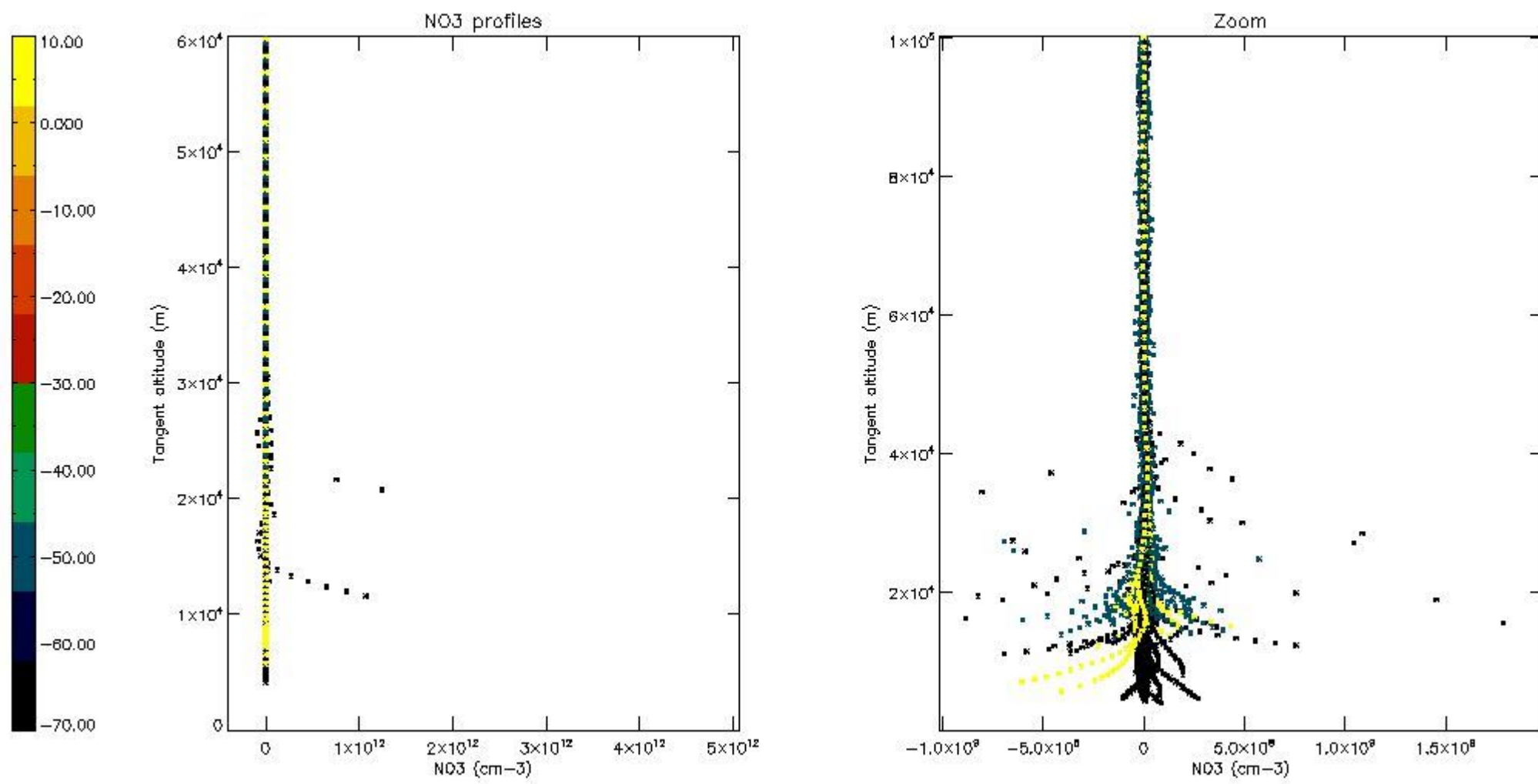
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



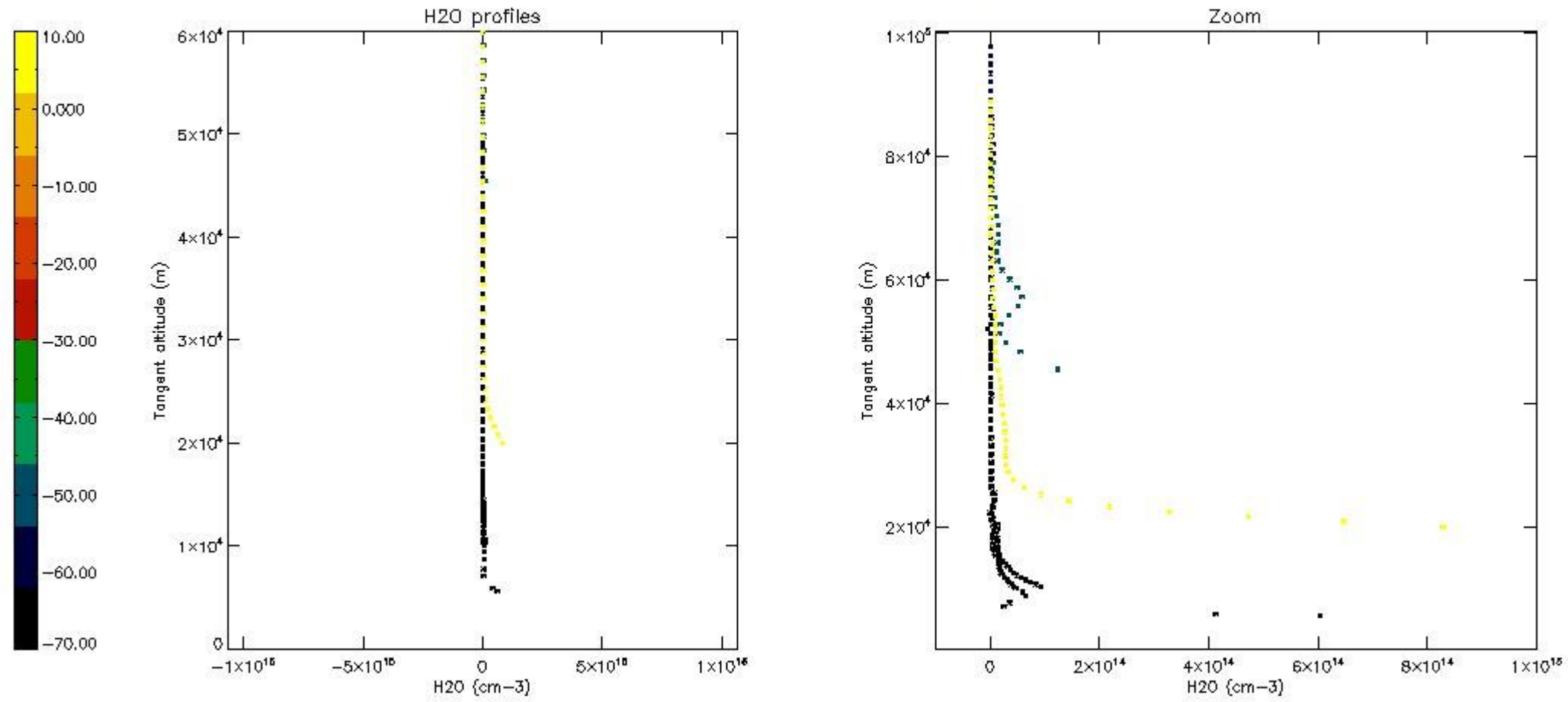
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

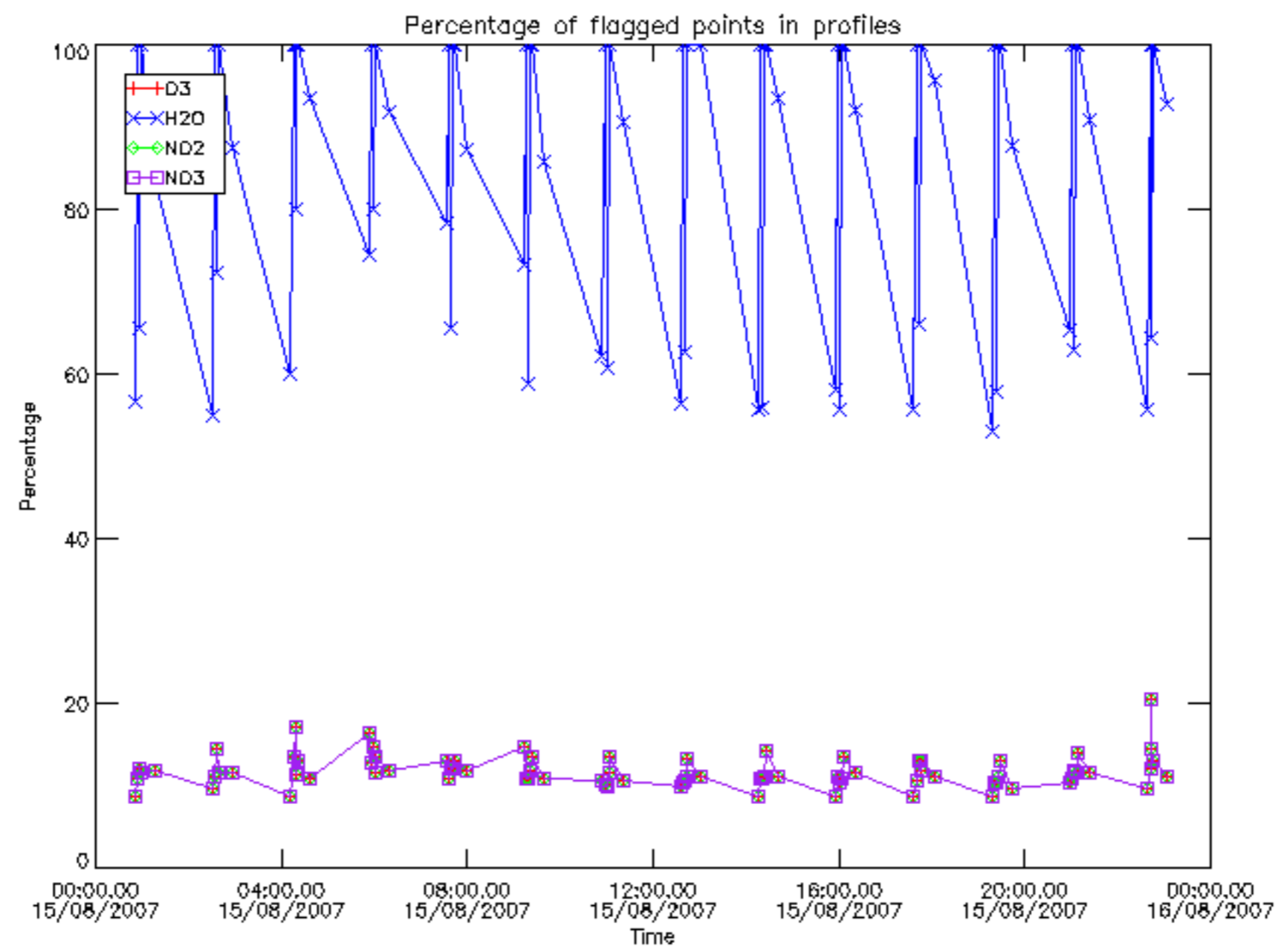
The colorbar represents the latitude.



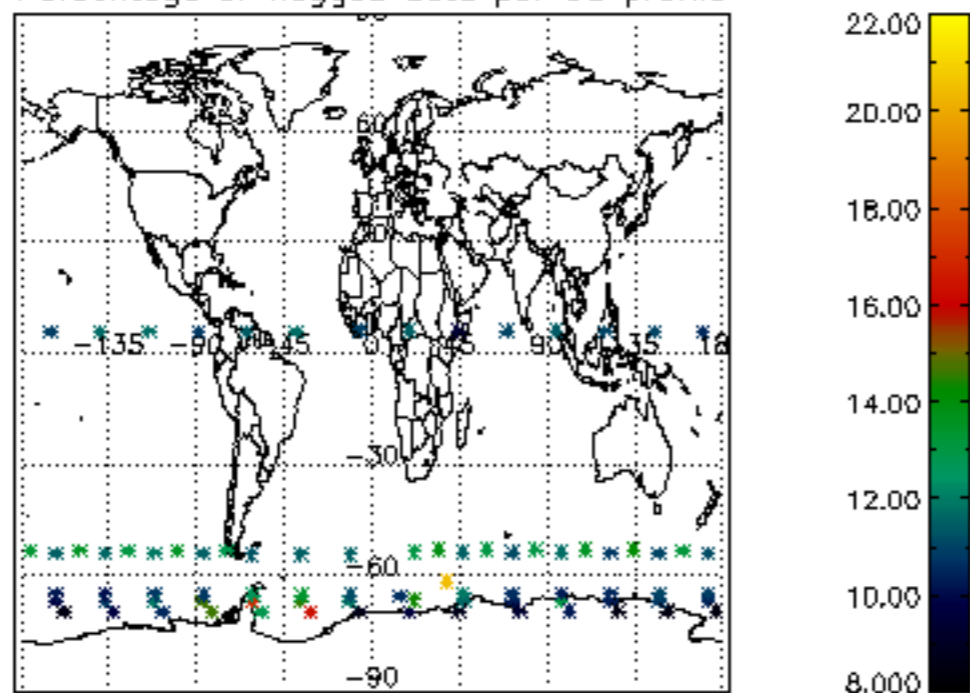
6. Auxiliary Data Files used for the production reported in section 2

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.

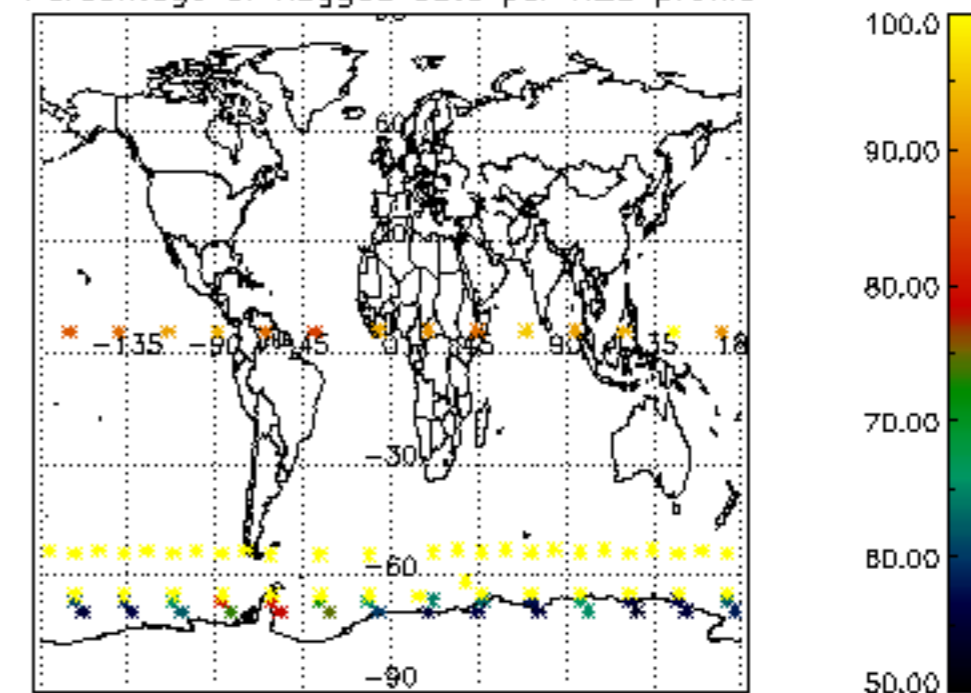
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	15-AUG-2007 00:03:06
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	15-AUG-2007 00:03:06
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	15-AUG-2007 00:03:06



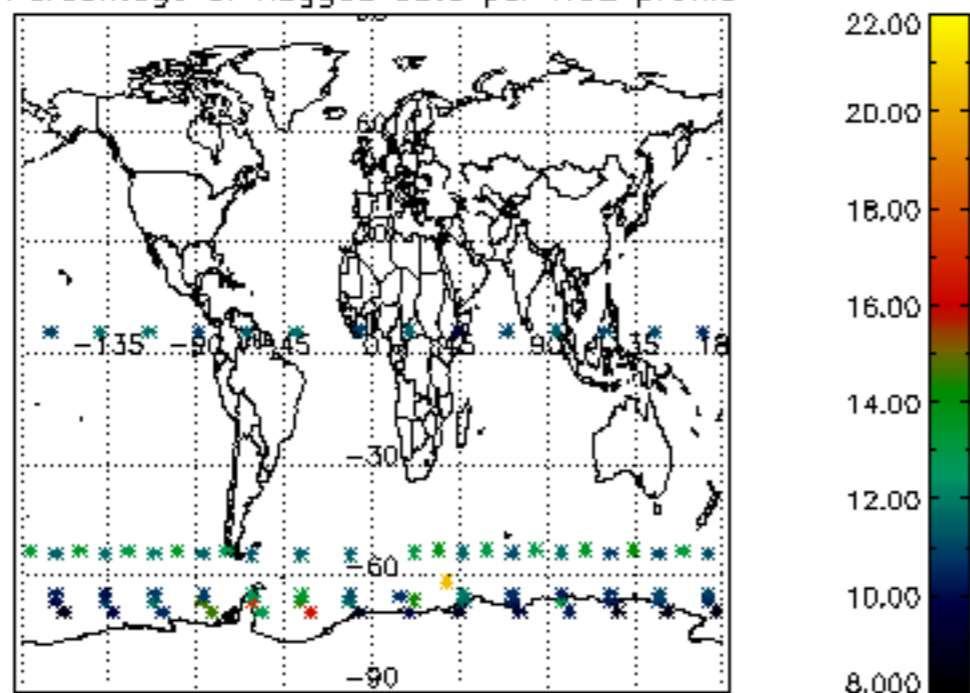
Percentage of flagged data per D3 profile



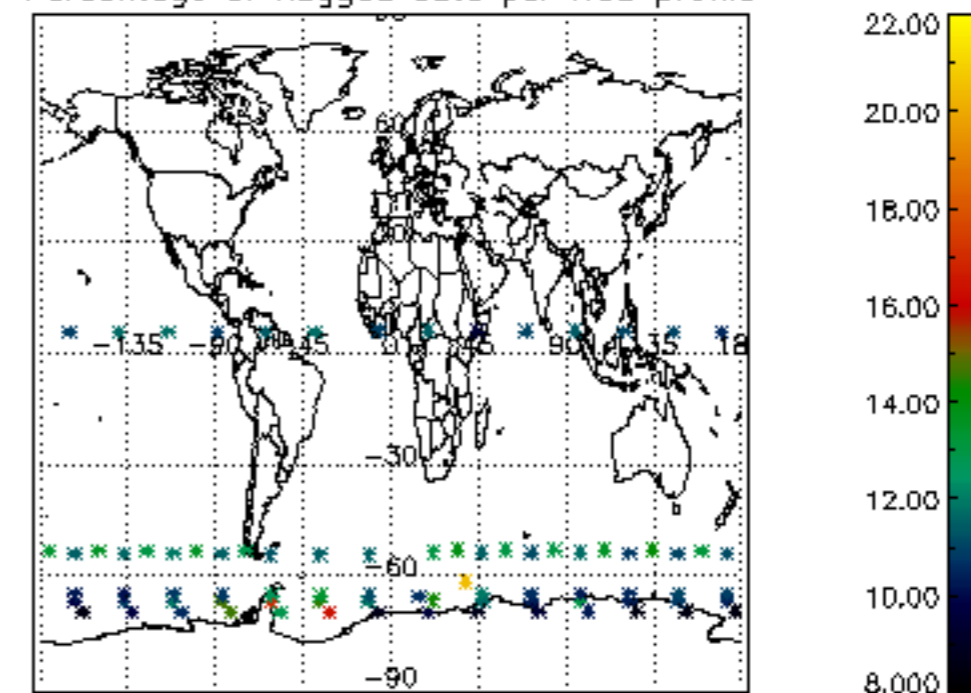
Percentage of flagged data per H2O profile

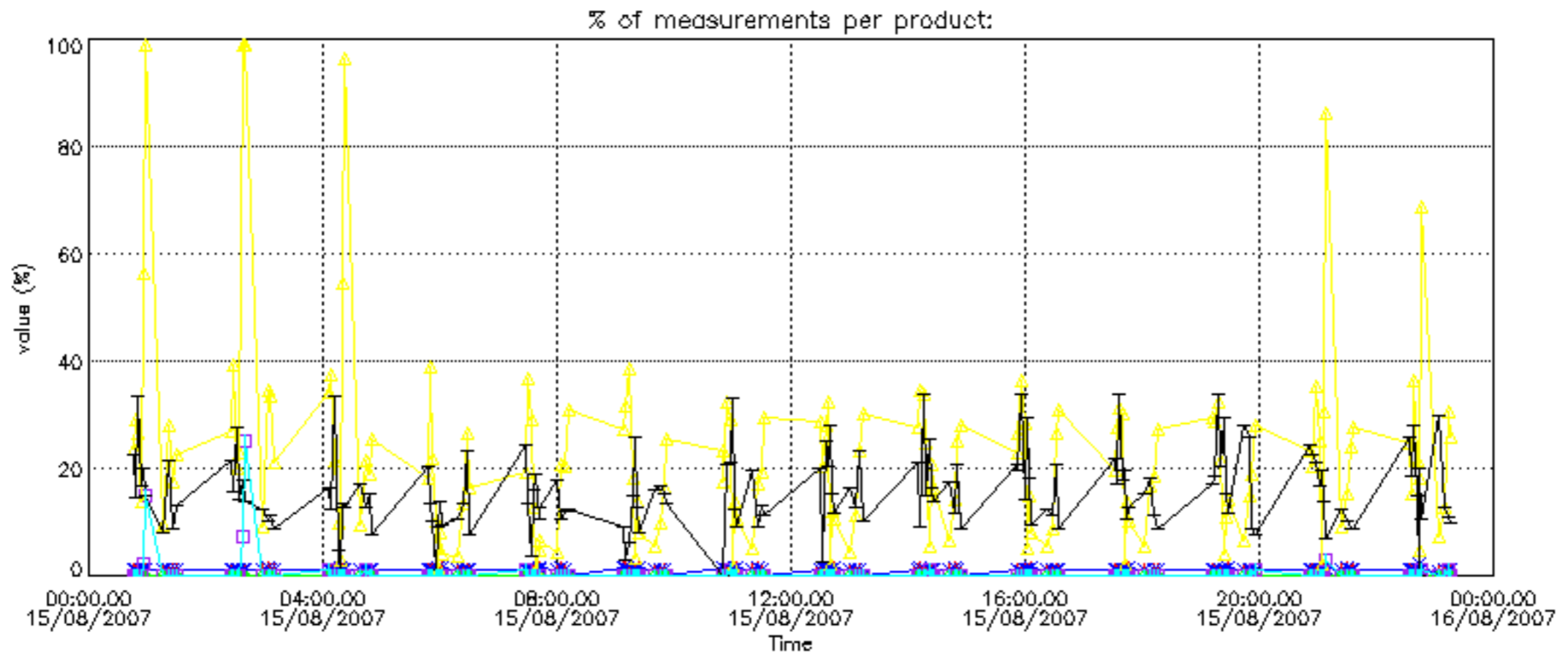


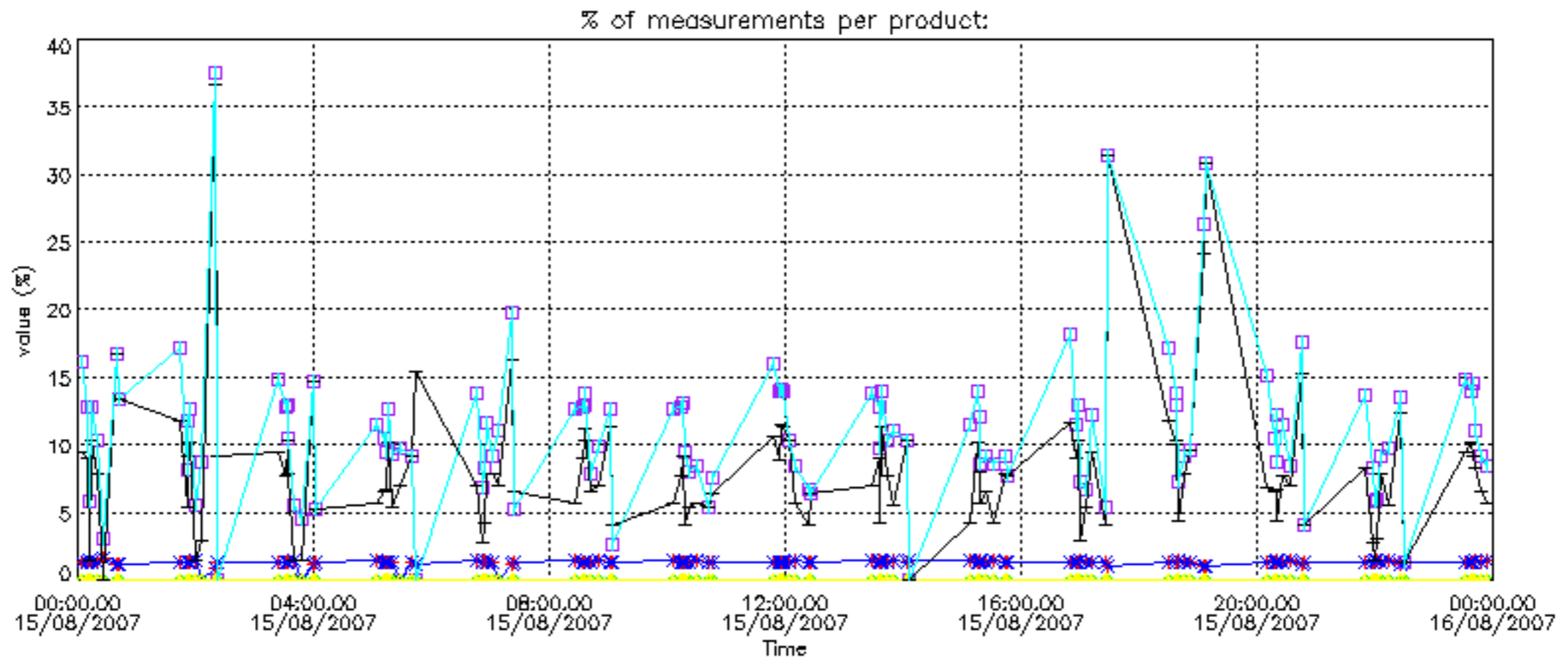
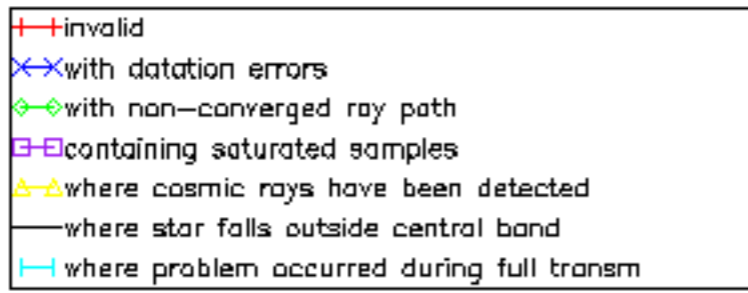
Percentage of flagged data per NO2 profile



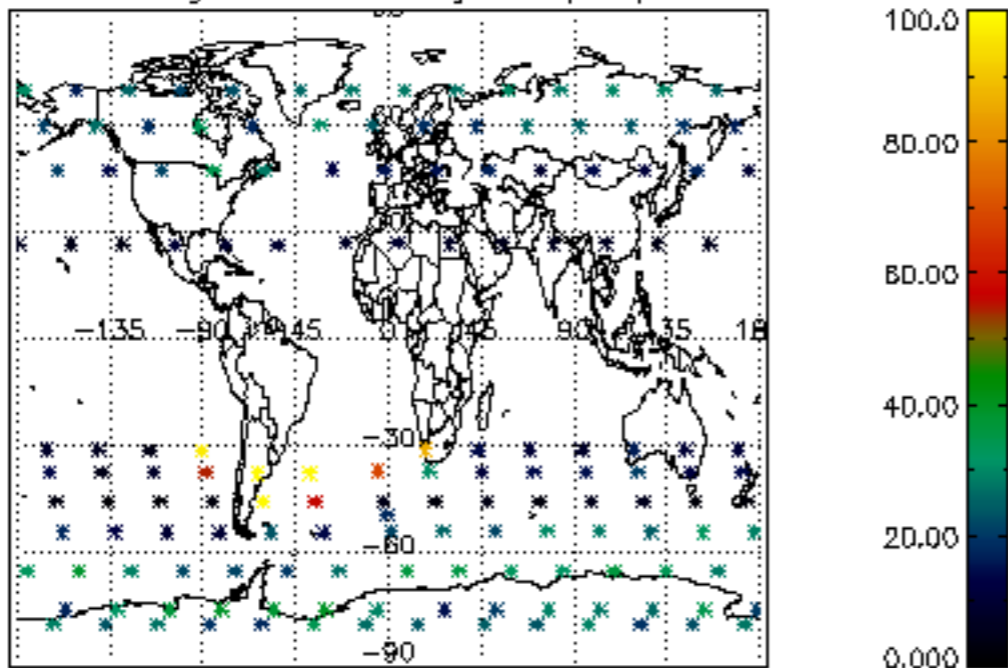
Percentage of flagged data per NO3 profile



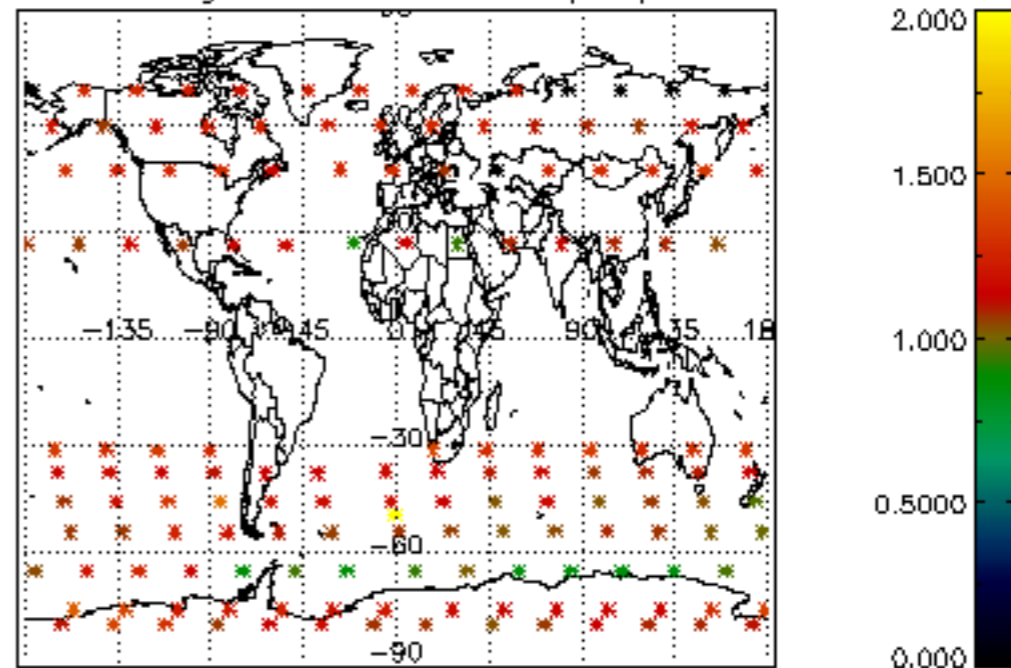




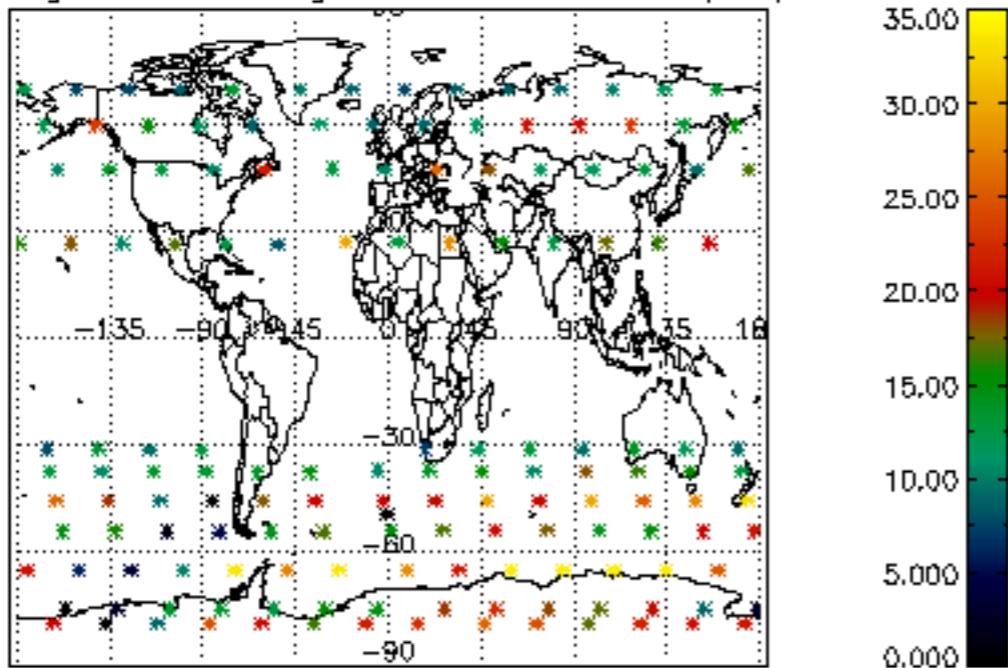
Percentage of cosmic ray hits per profile



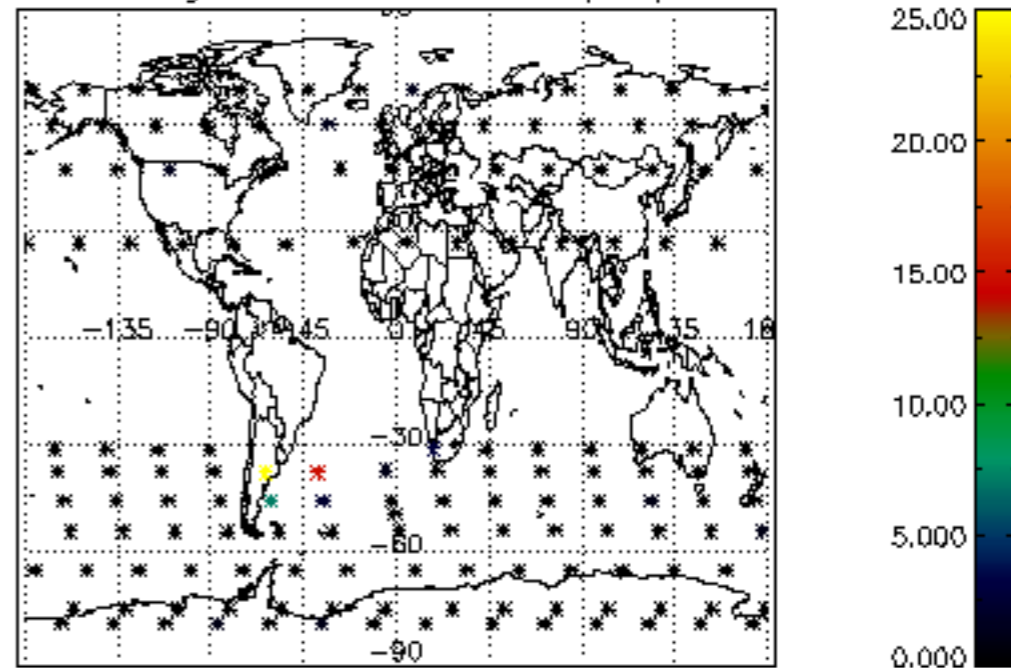
Percentage of datation errors per profile



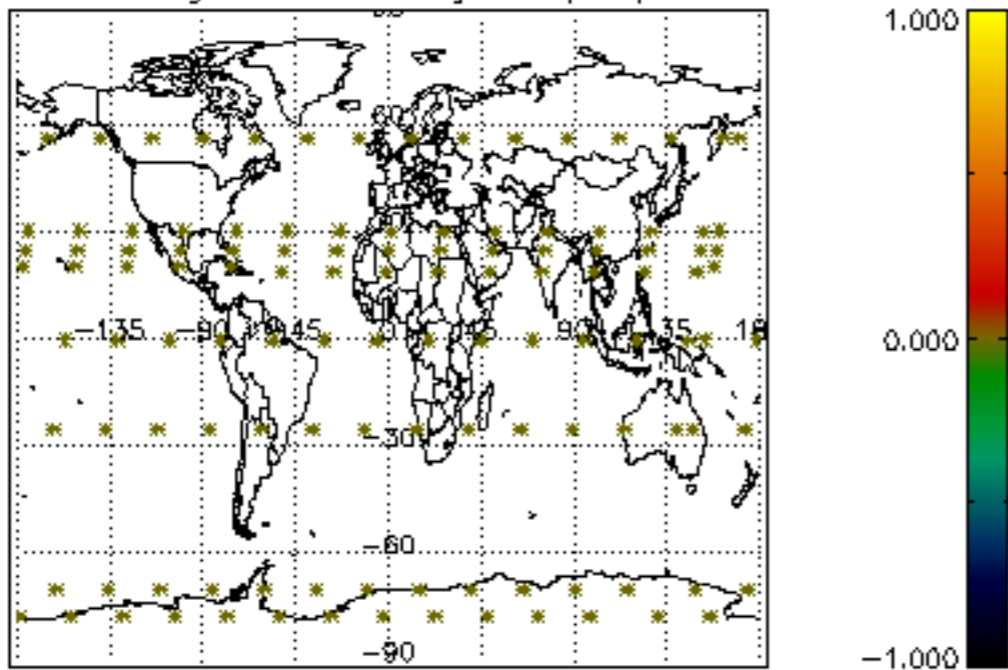
Percentage of star falling outside central band per profile



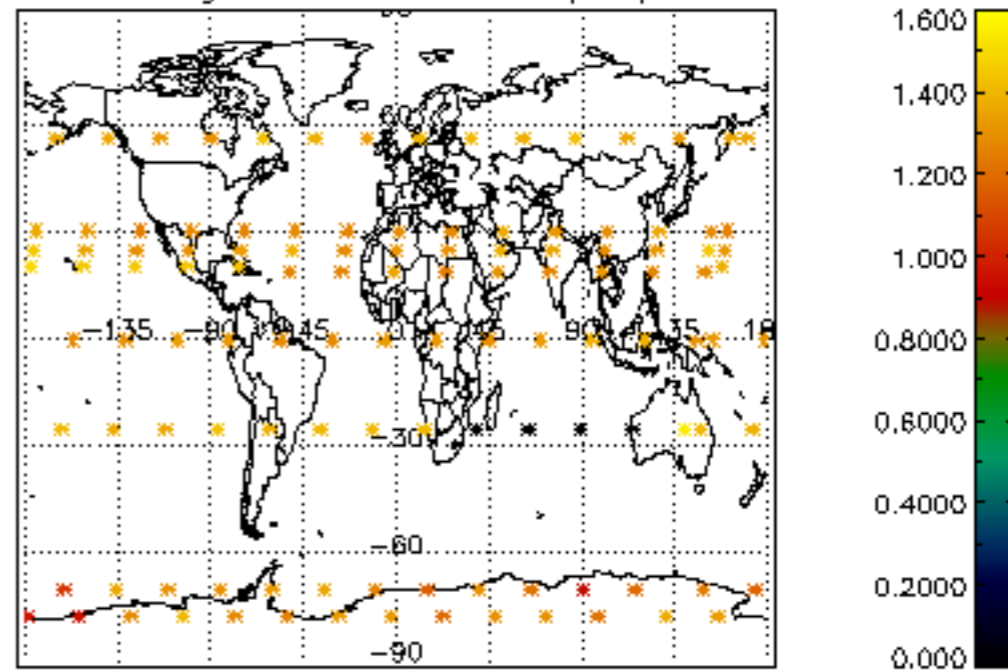
Percentage of saturation errors per profile



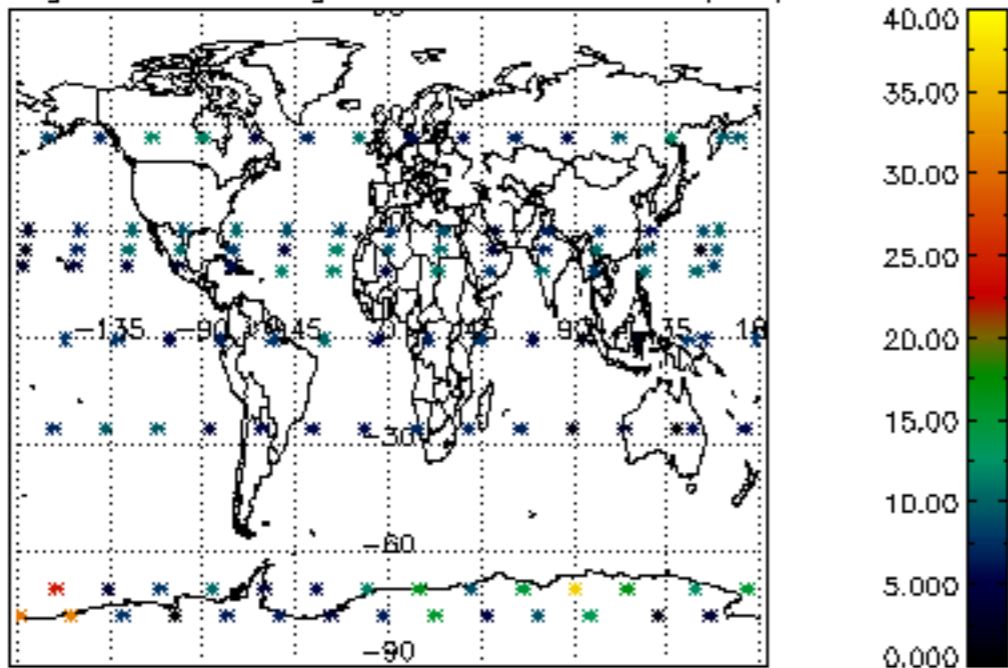
Percentage of cosmic ray hits per profile



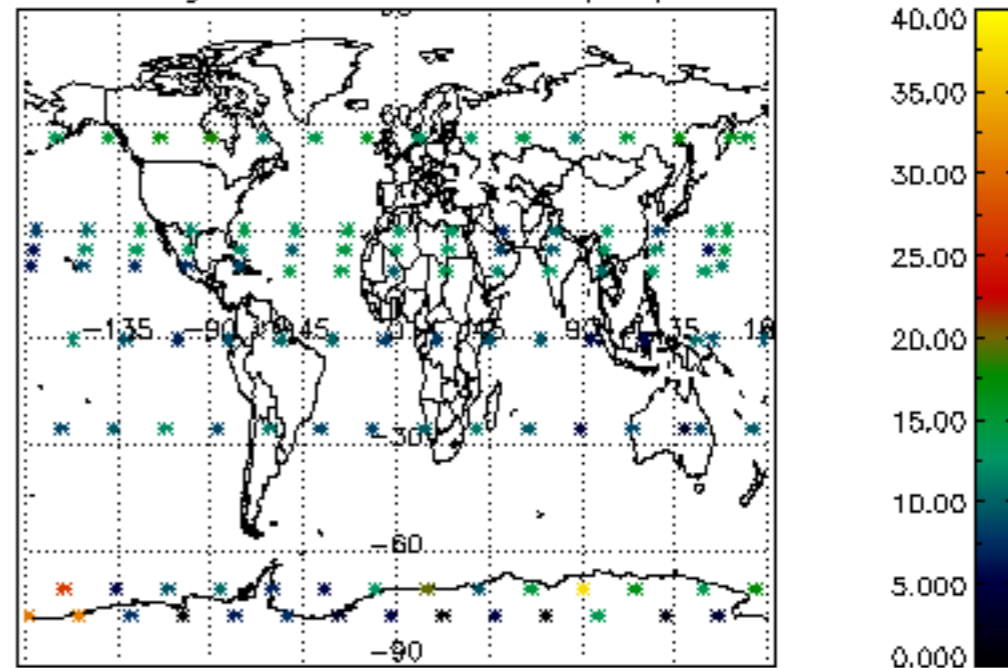
Percentage of datation errors per profile

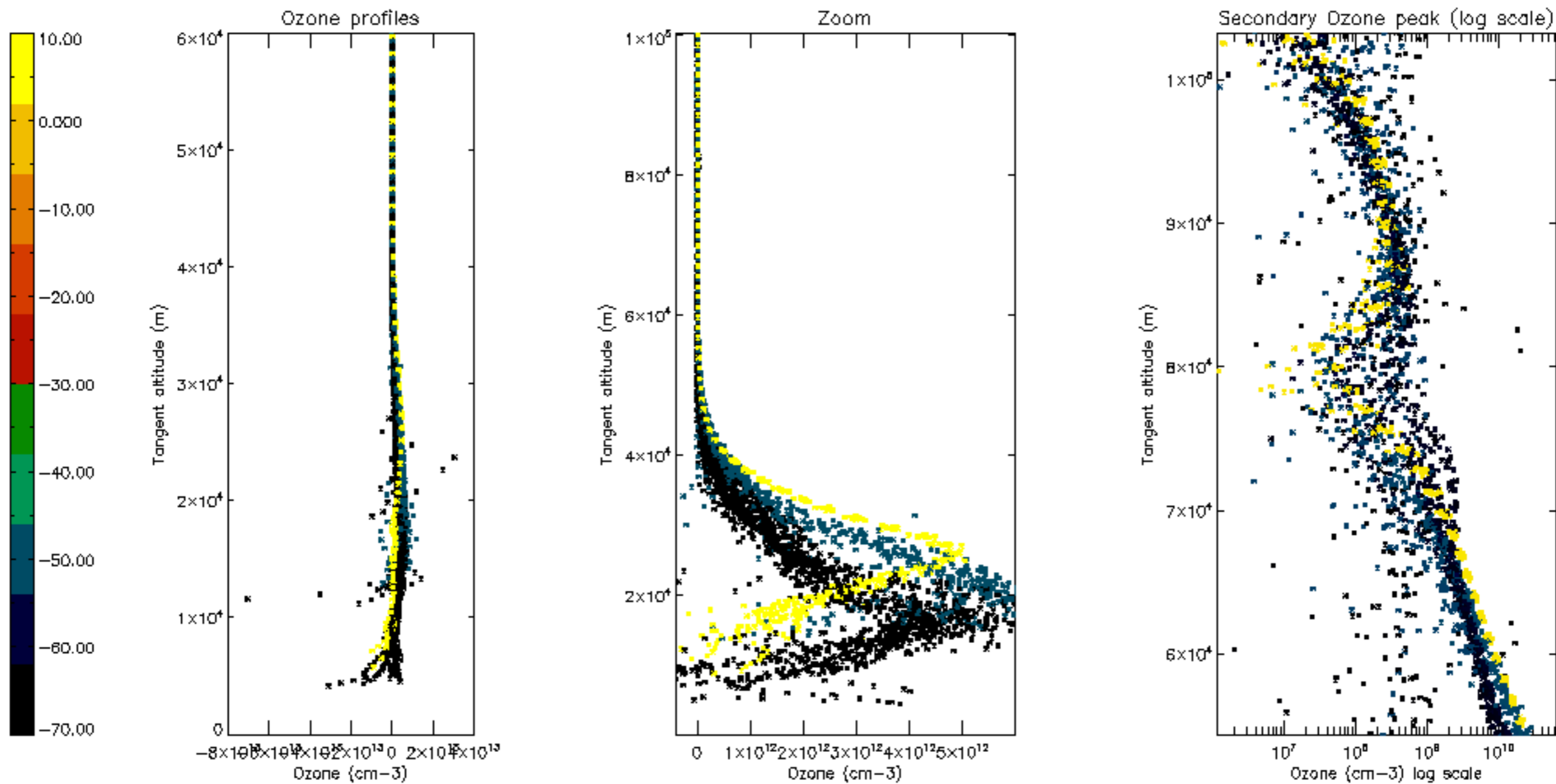


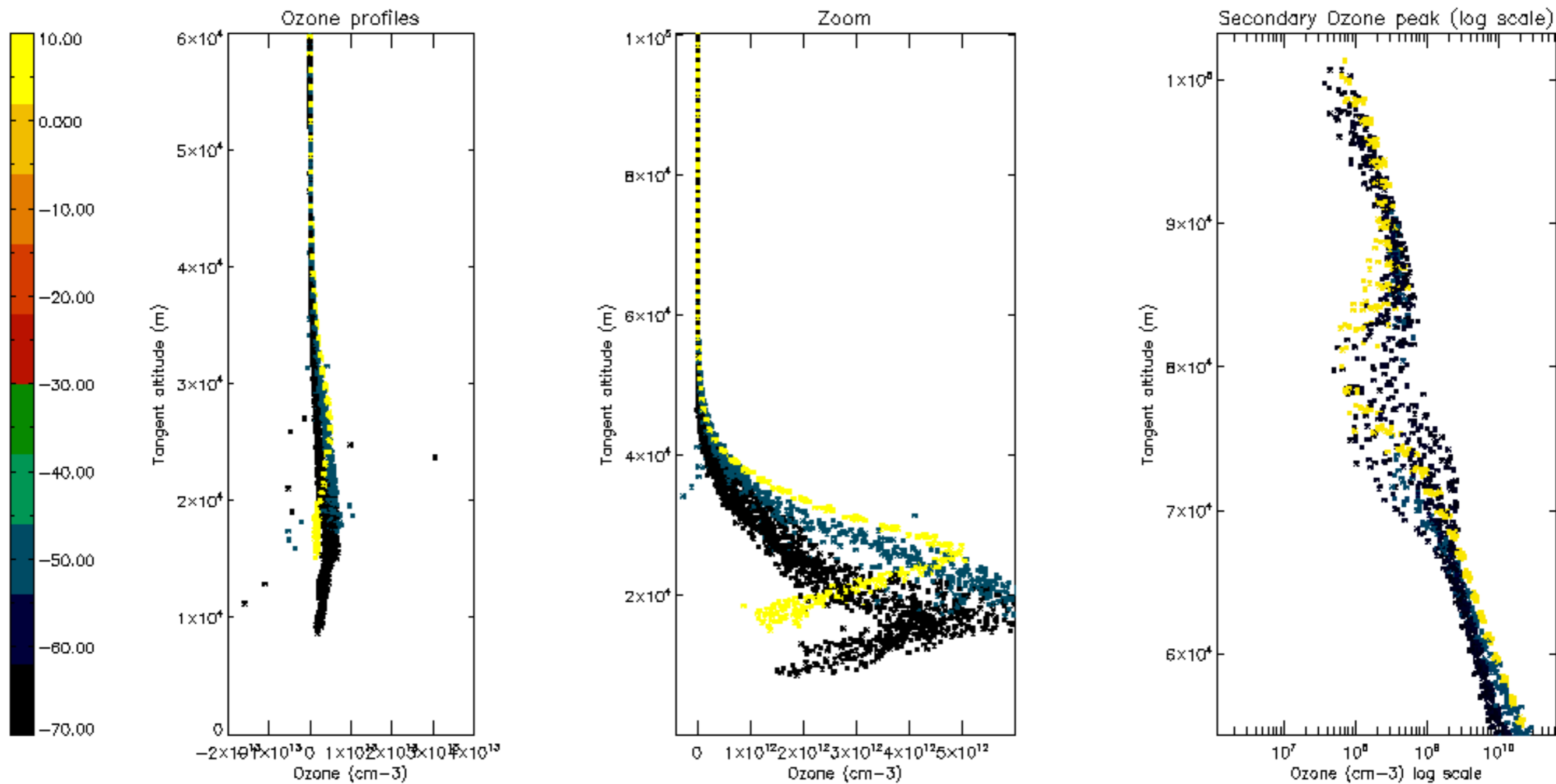
Percentage of star falling outside central band per profile

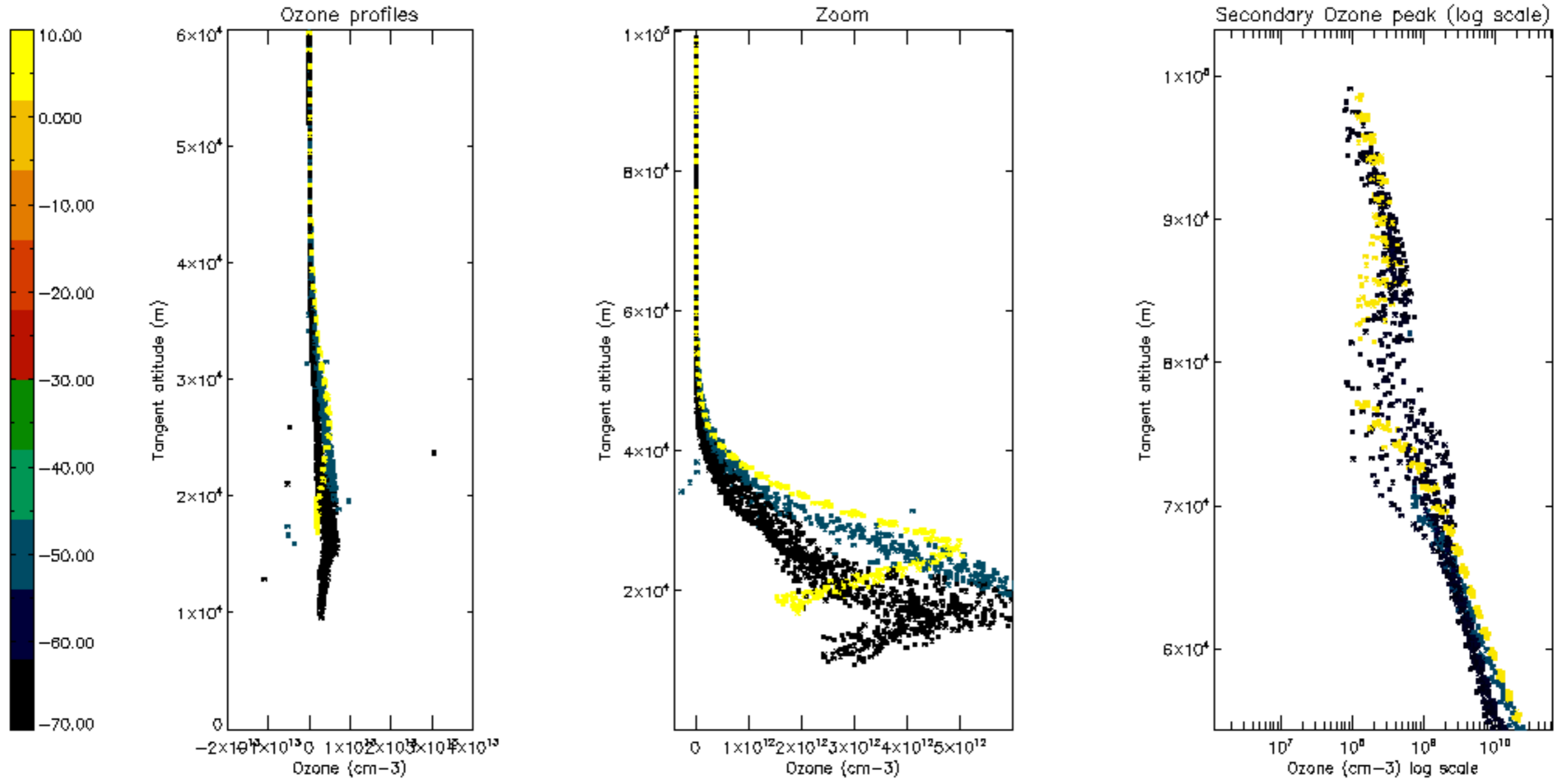


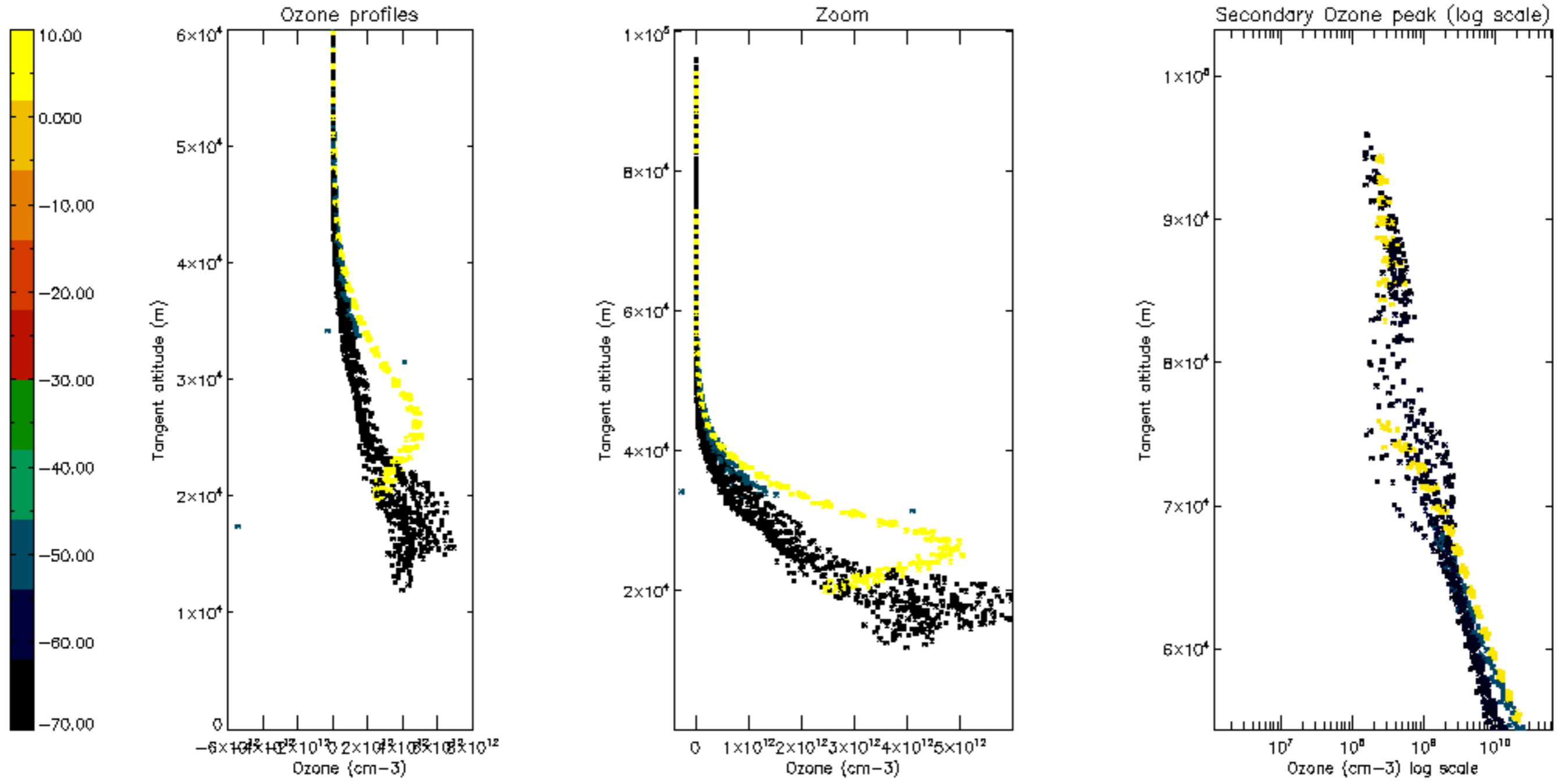
Percentage of saturation errors per profile

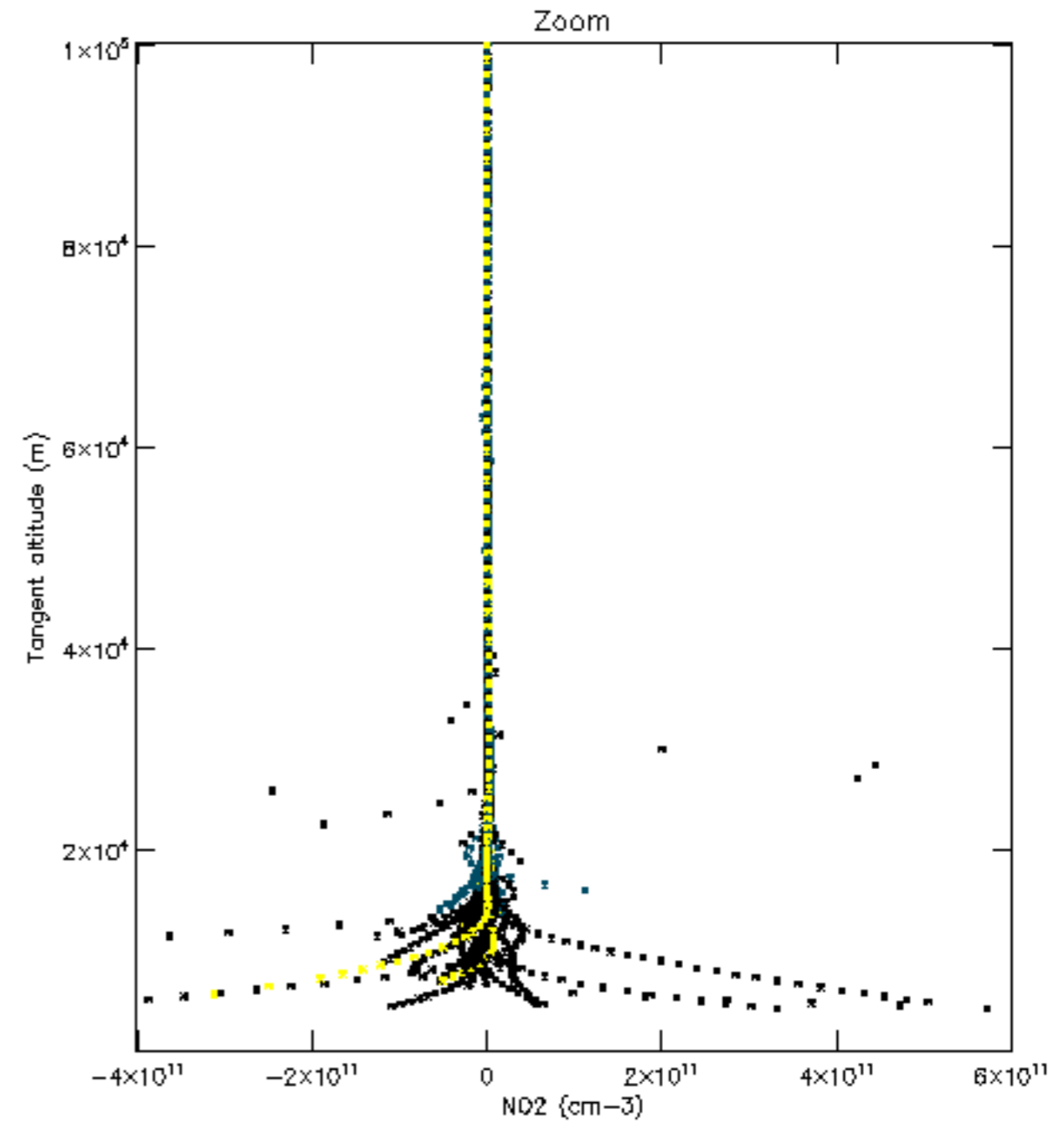
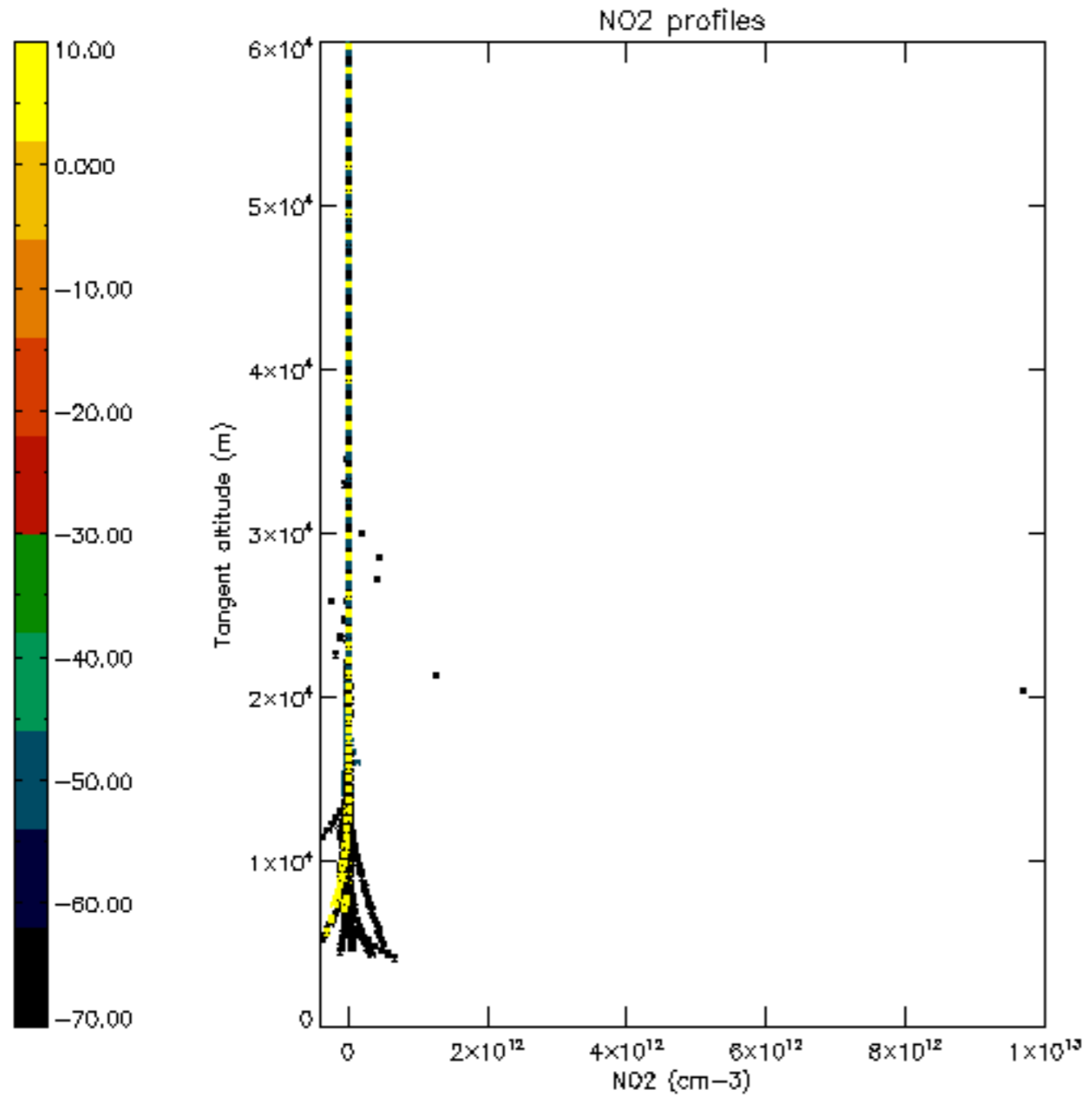


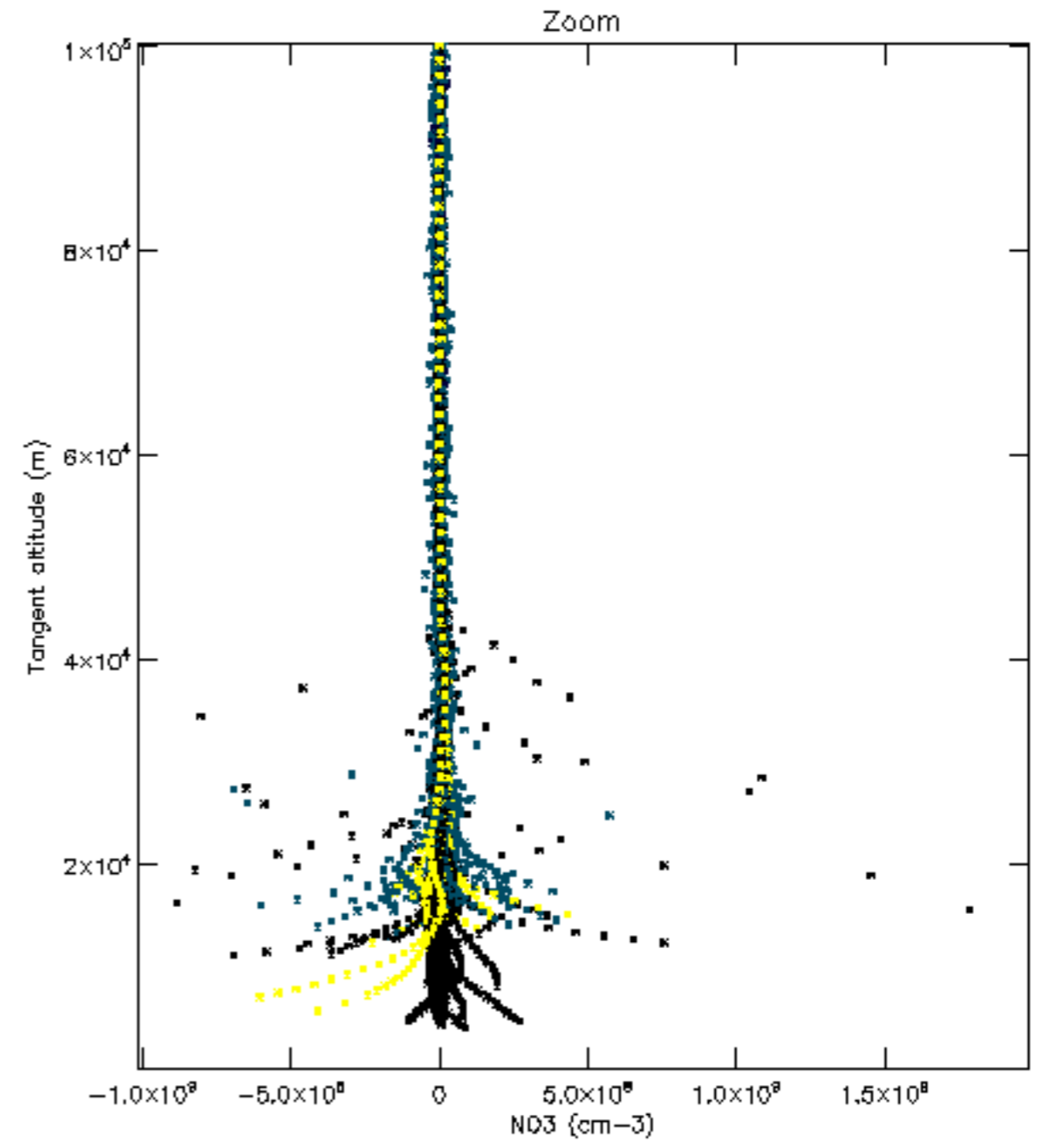
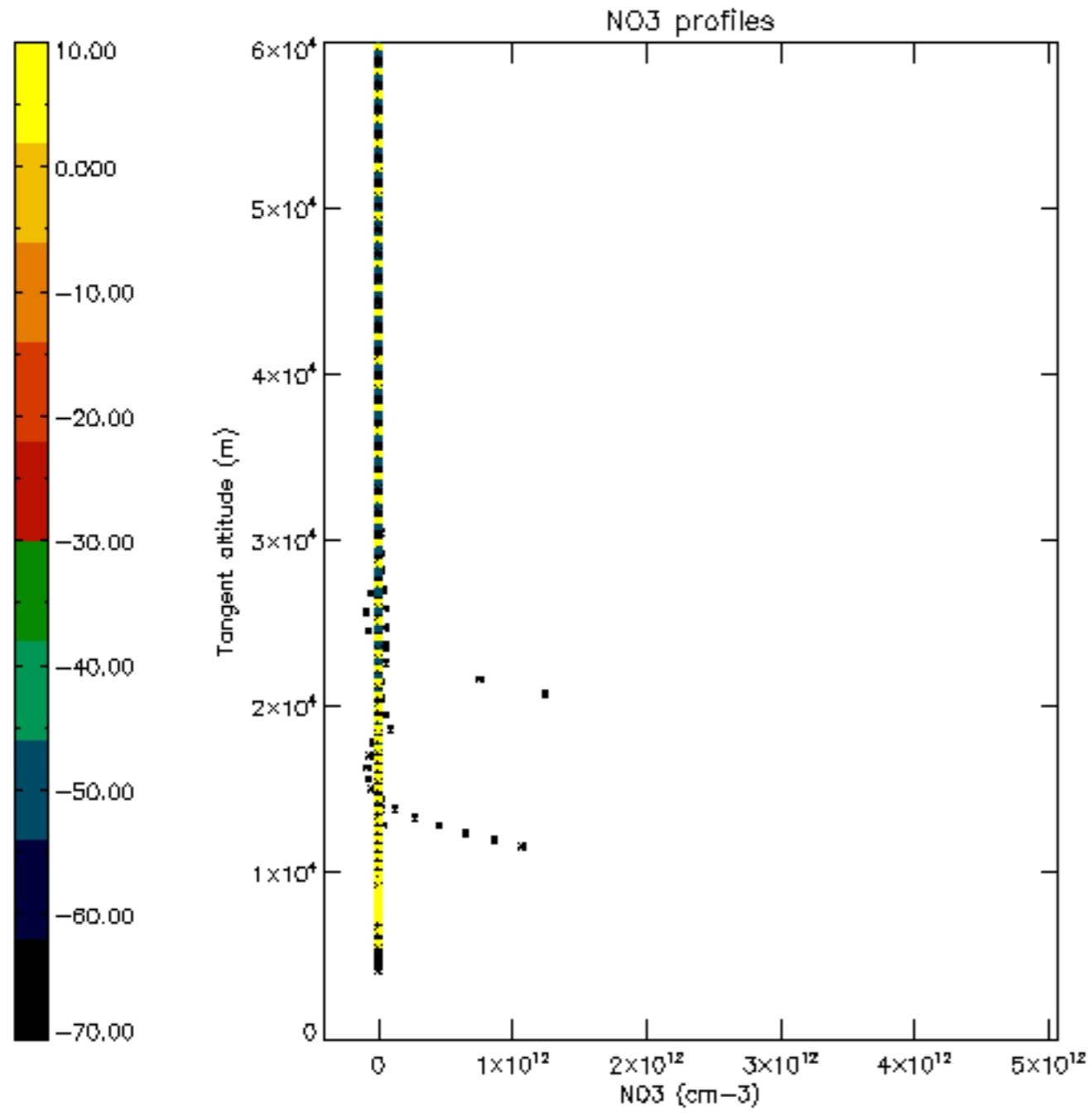


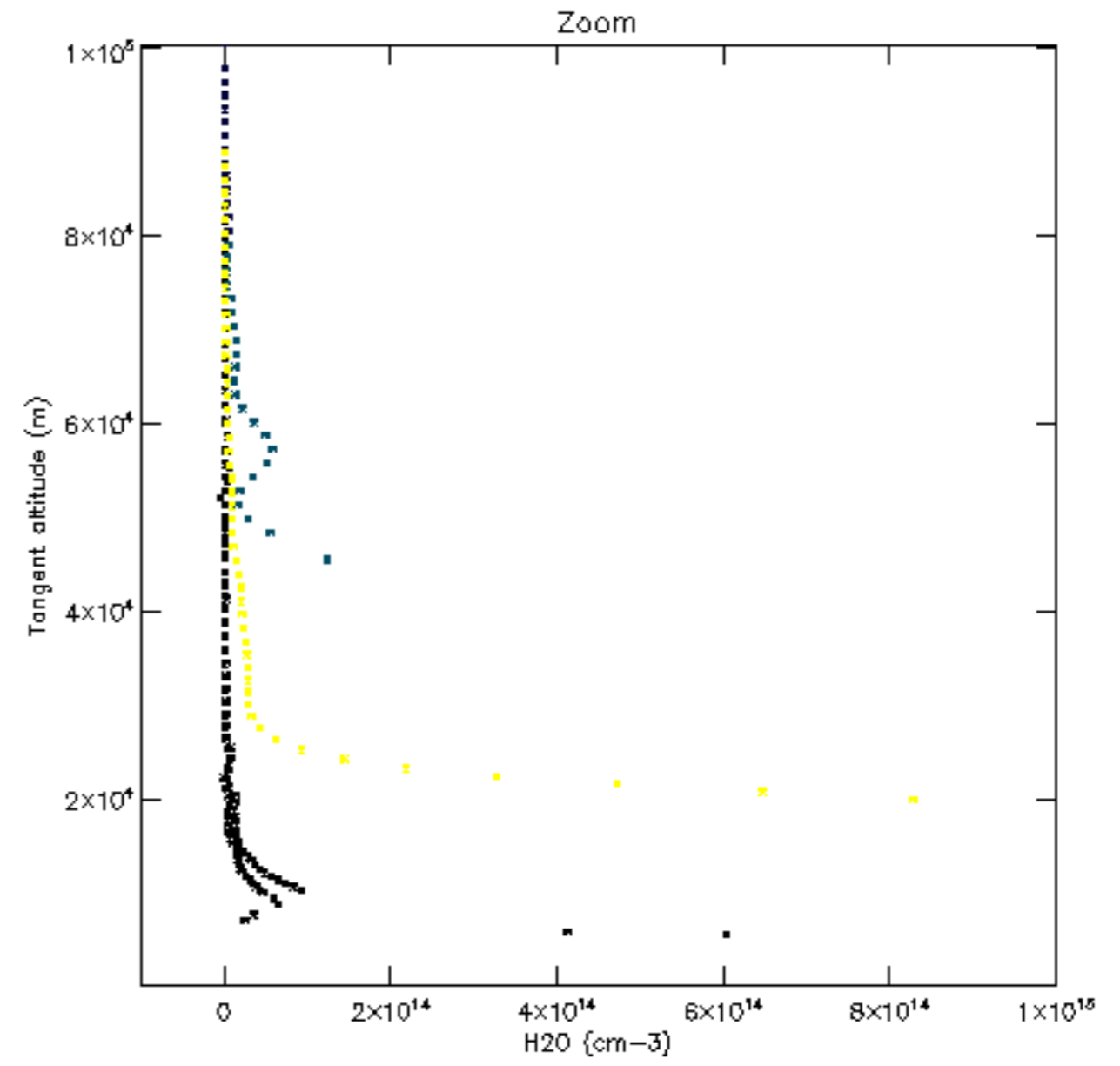
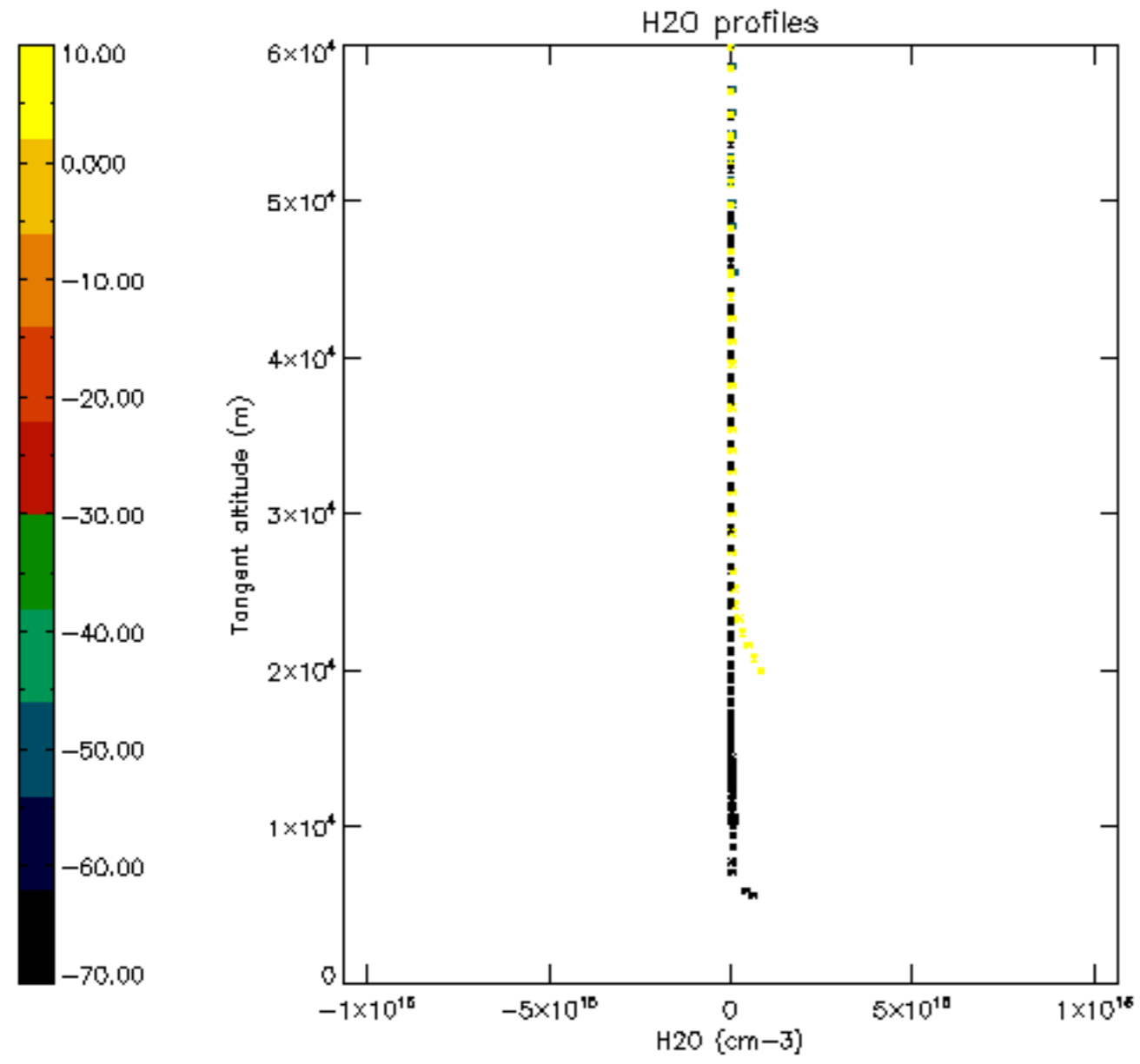


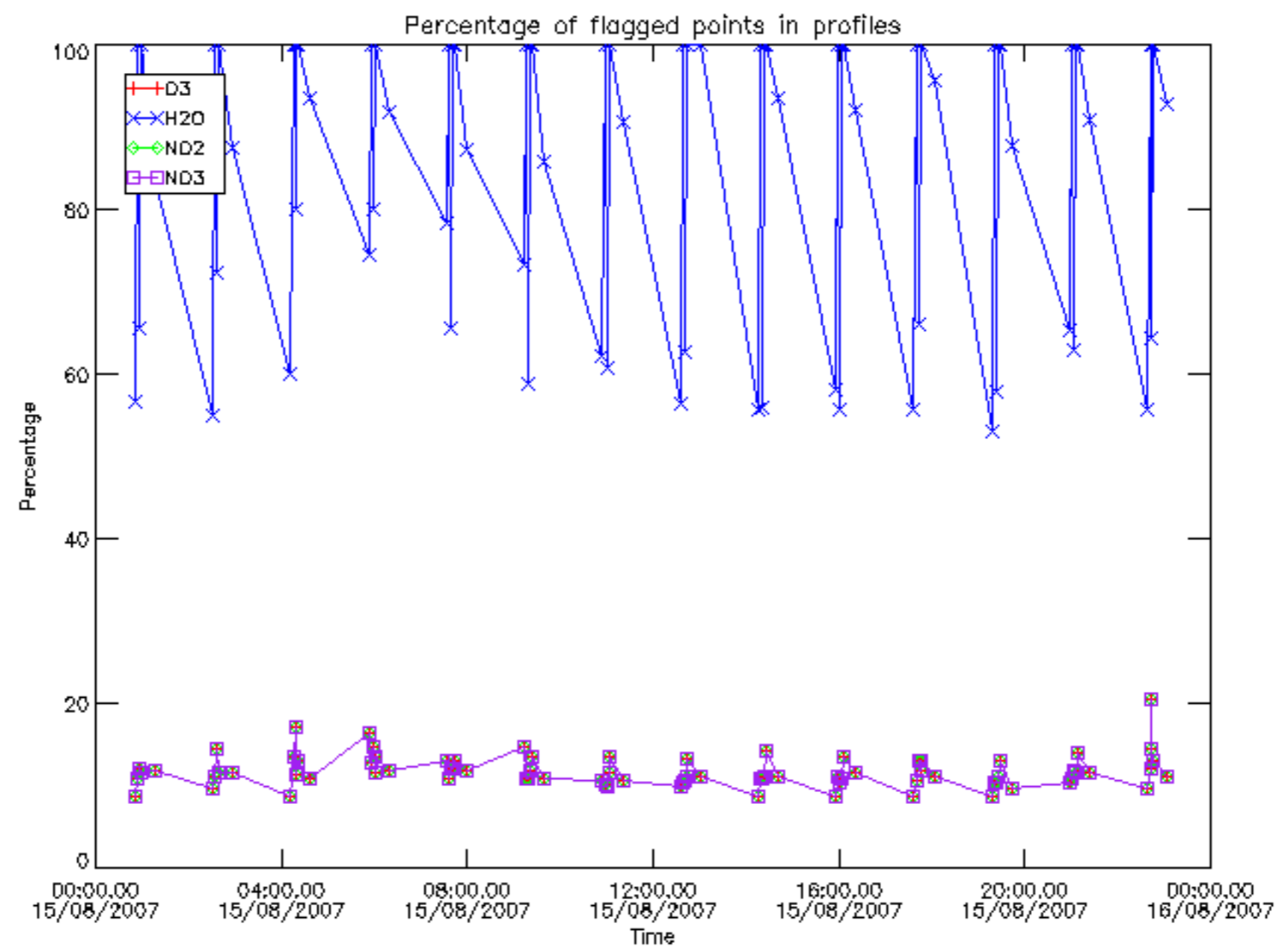




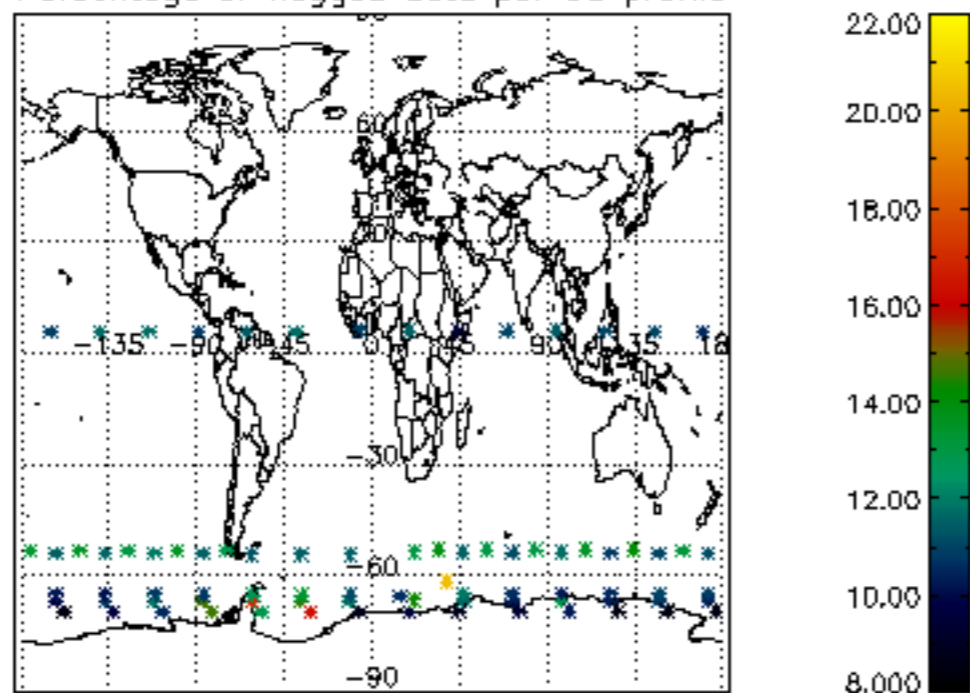




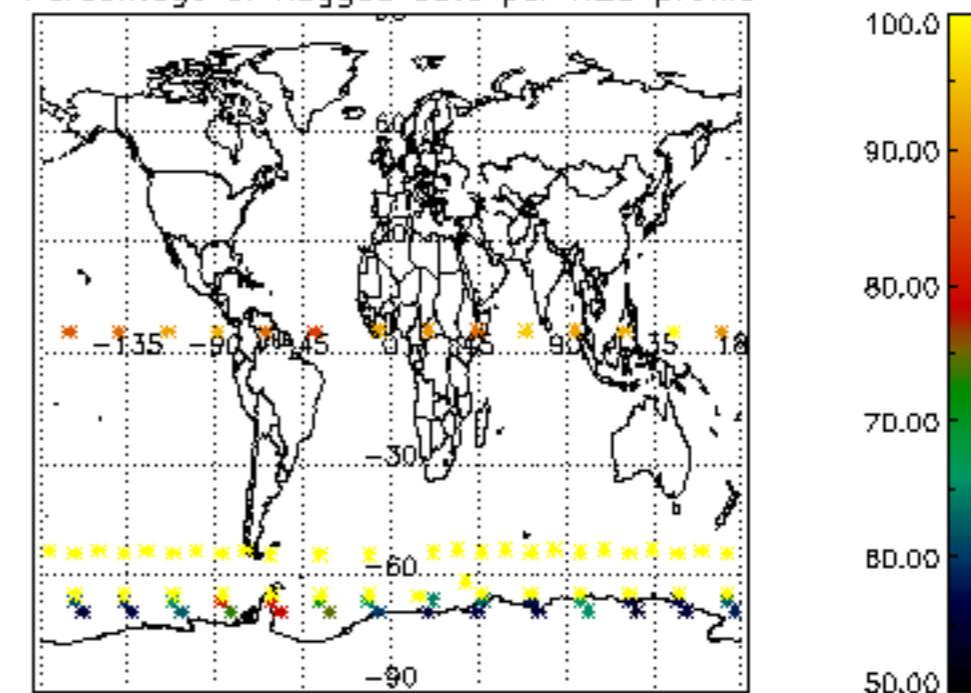




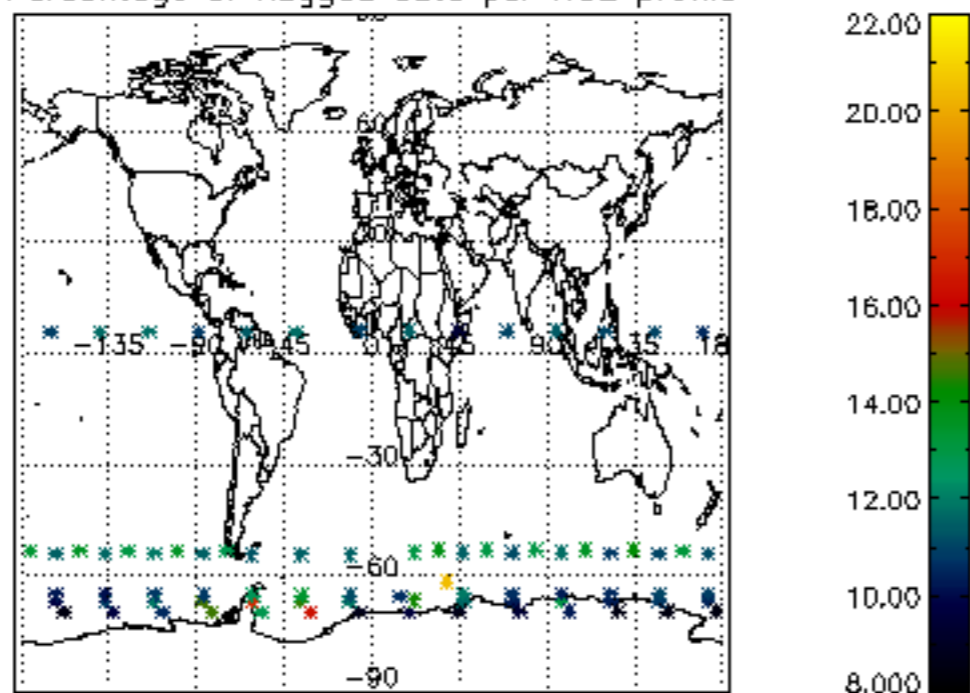
Percentage of flagged data per D3 profile



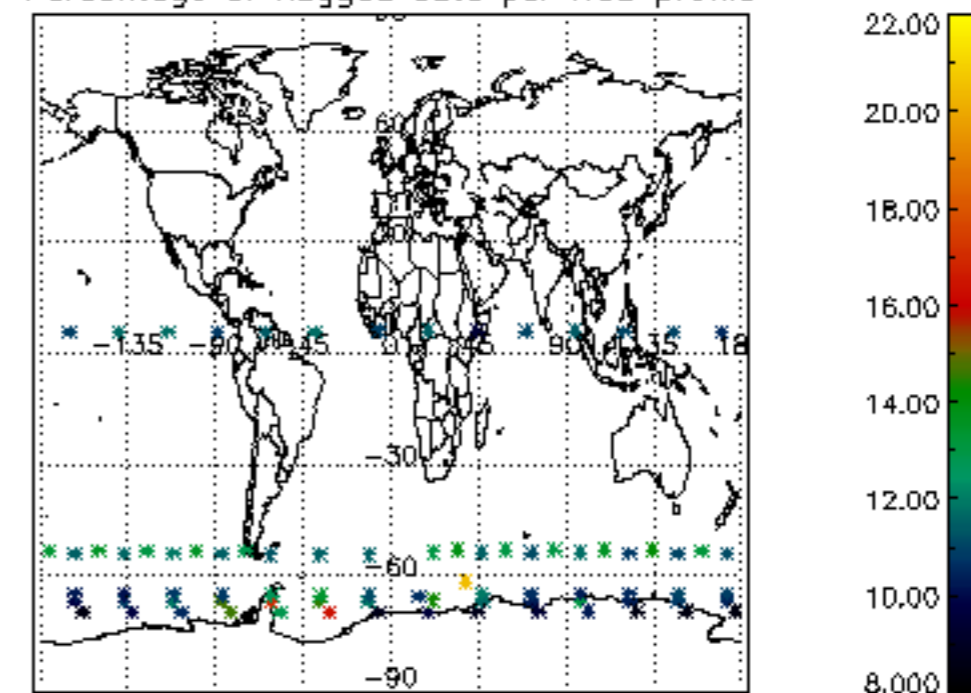
Percentage of flagged data per H2O profile

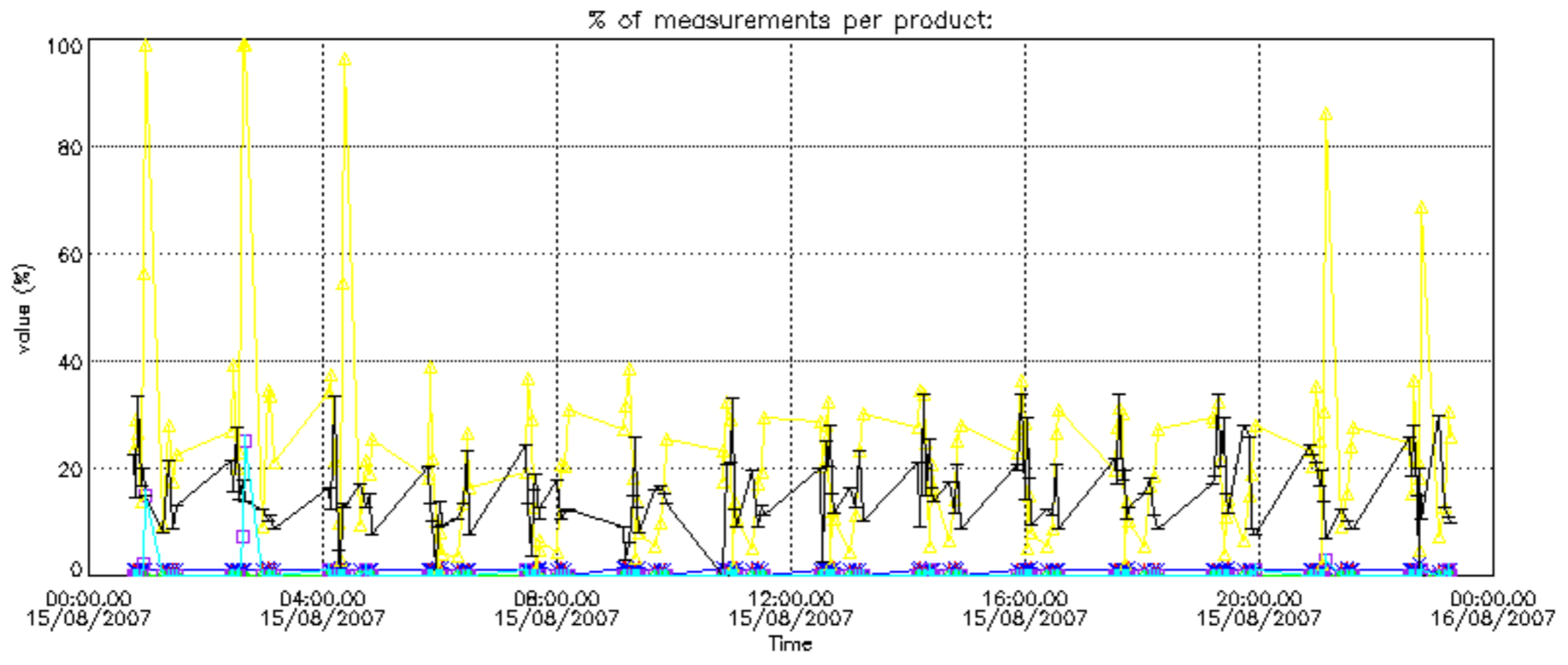


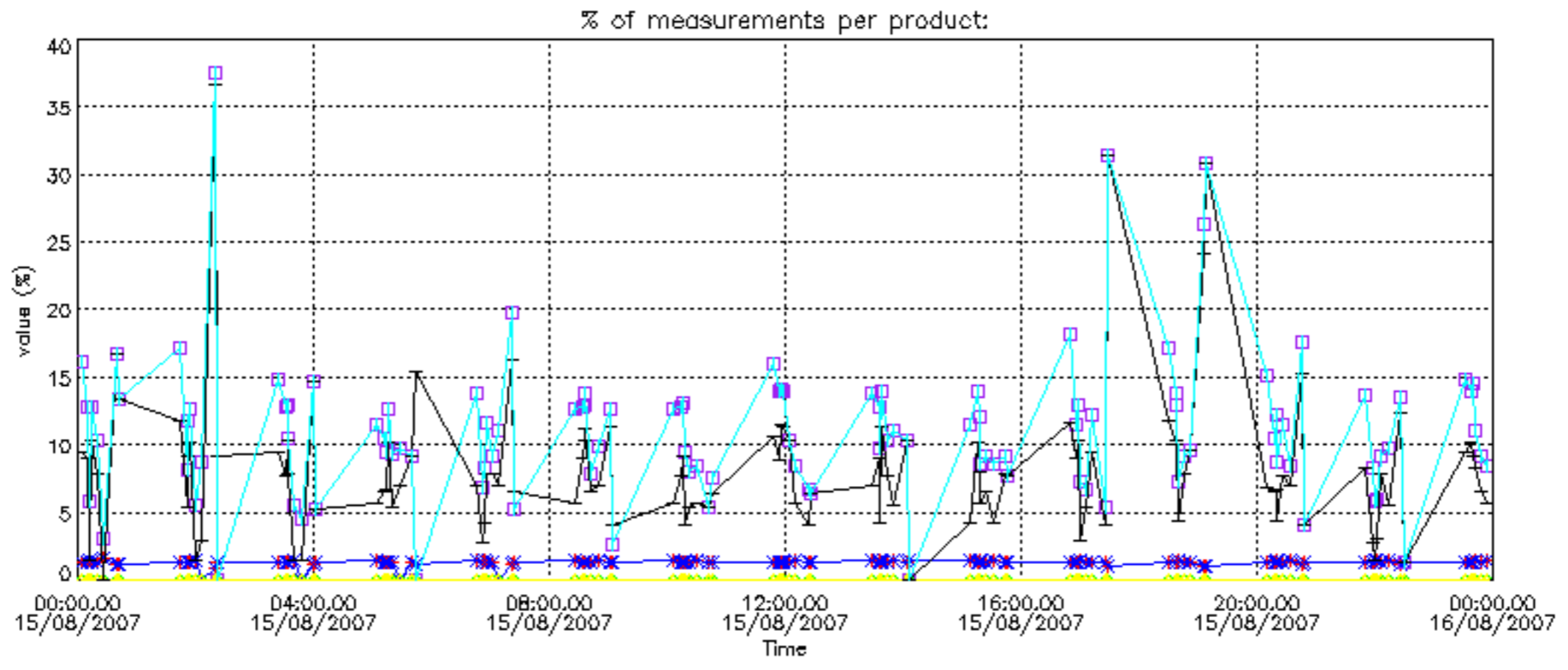
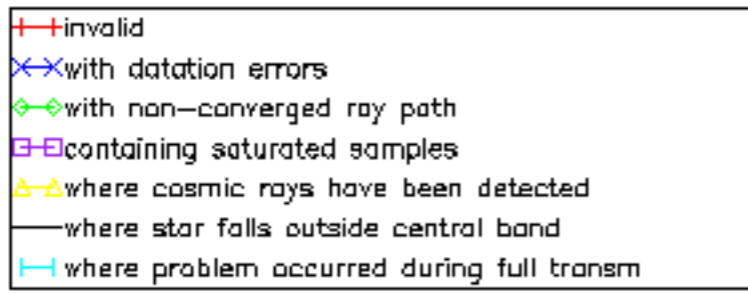
Percentage of flagged data per NO2 profile



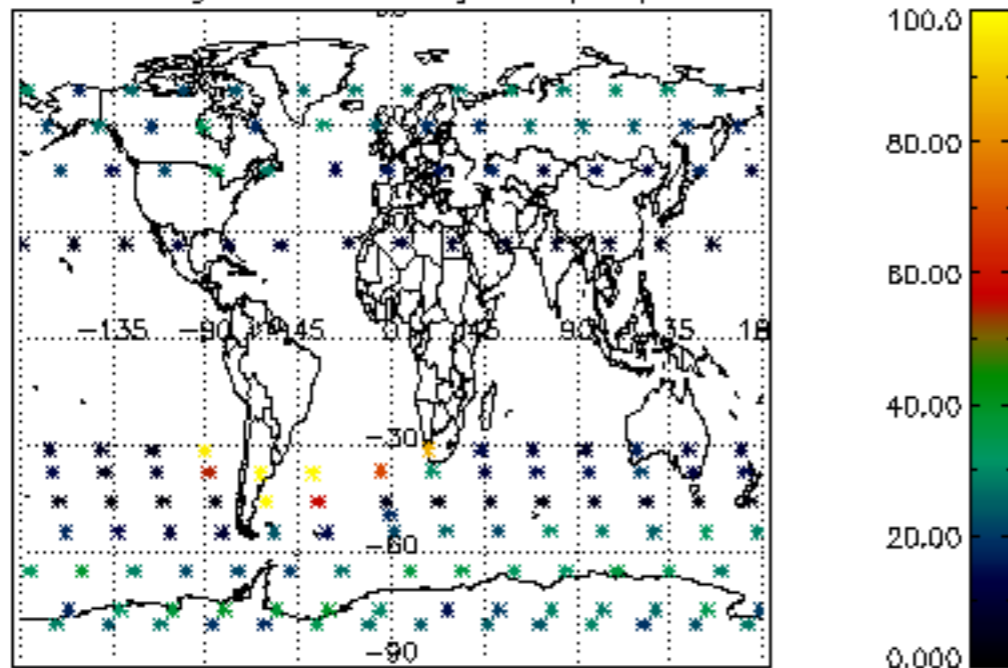
Percentage of flagged data per NO3 profile



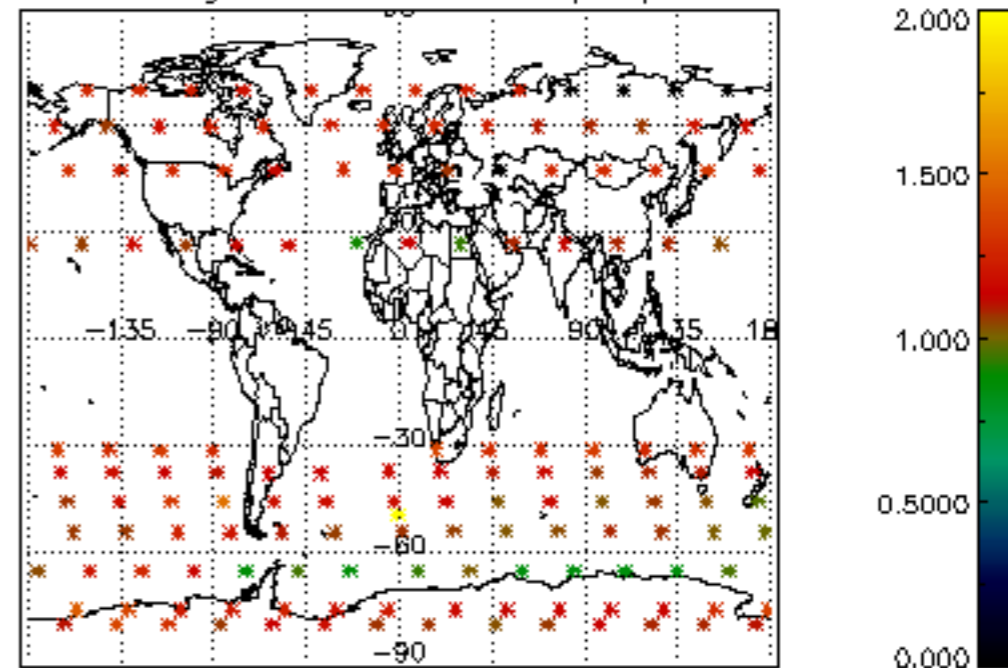




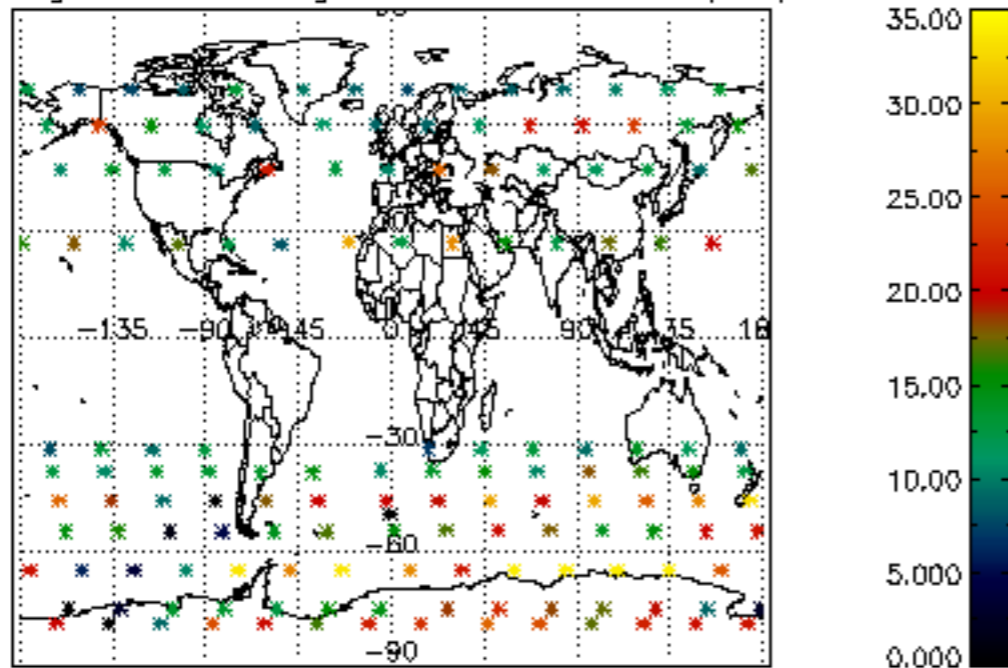
Percentage of cosmic ray hits per profile



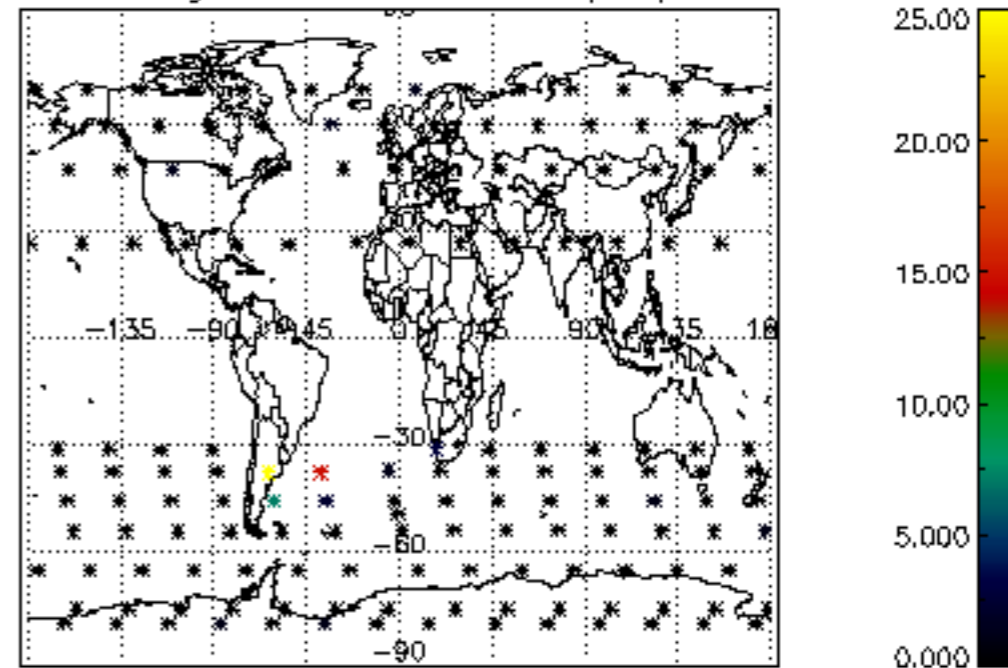
Percentage of datation errors per profile



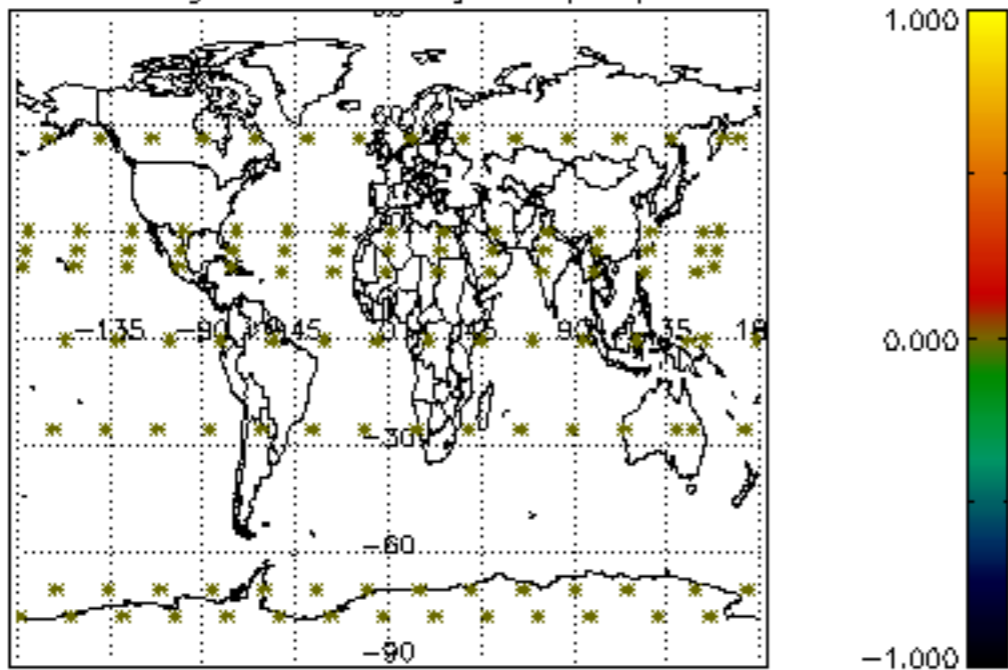
Percentage of star falling outside central band per profile



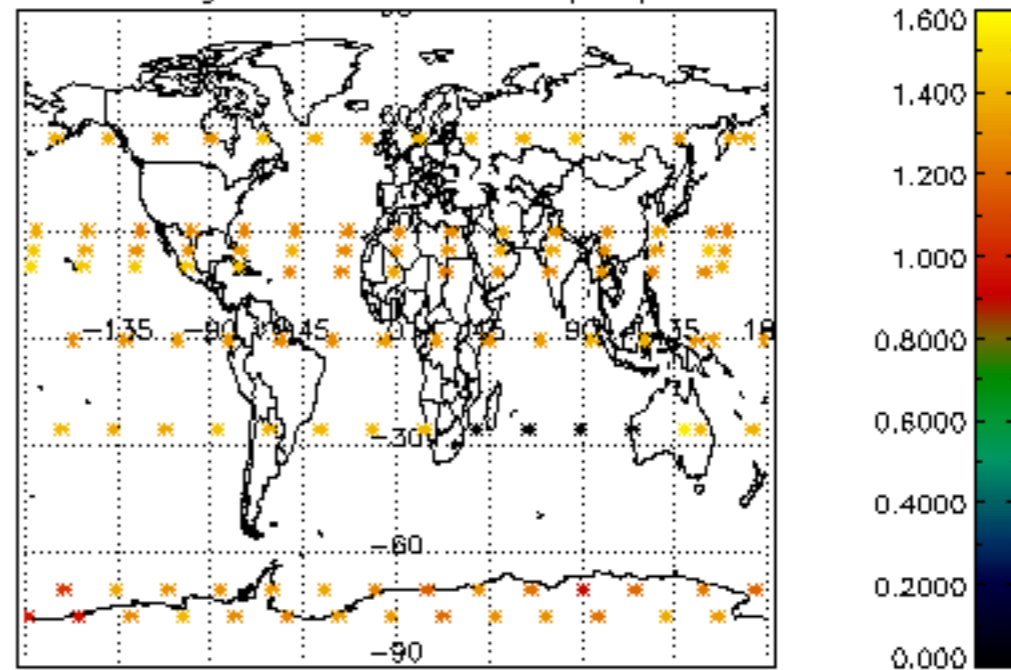
Percentage of saturation errors per profile



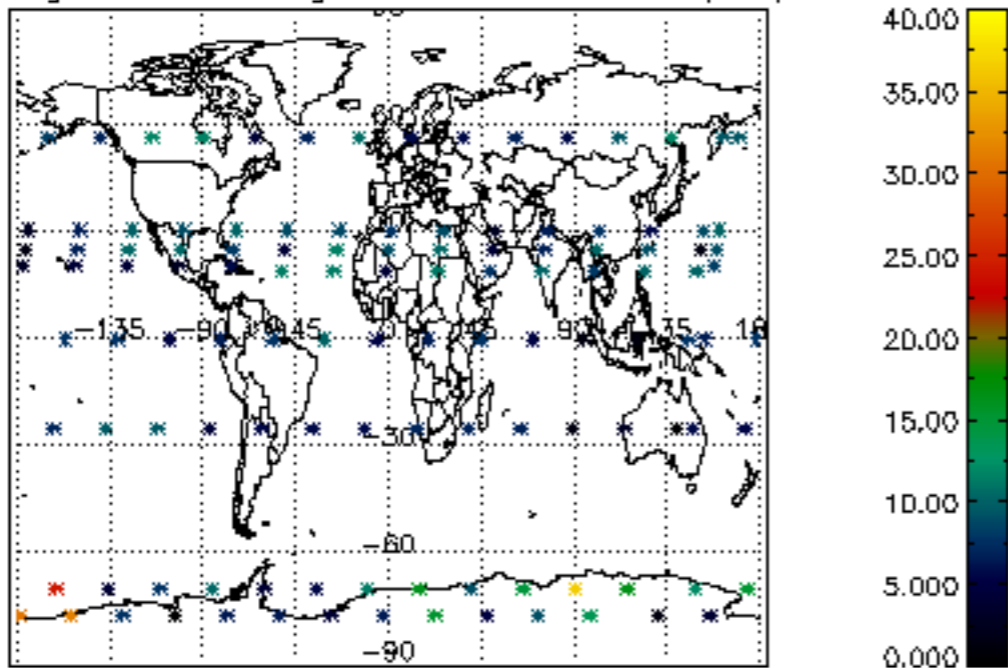
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

