

# 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	24APR2013 05:15:13
Data source version	GOMOS/6.01
Start time of products	24-10-2006 (24OCT2006 00:00:00)
Stop time of products	25-10-2006 (25OCT2006 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	267
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__2PRFIN20061024_000039_000000312052_00202_24304_3106.N1	24-OCT-2006 00:00:39	Bright	30.500	60	7Bet UMi	2.0810	3950.0	61	24304	No
2	GOM_NL__2PRFIN20061024_000526_000000302052_00202_24304_3107.N1	24-OCT-2006 00:05:26	Bright	30.000	36	50Alp UMa	1.8000	6300.0	60	24304	No
3	GOM_NL__2PRFIN20061024_000702_000000292052_00202_24304_3108.N1	24-OCT-2006 00:07:02	Bright	29.000	82	48Bet UMa	2.3650	10600.	58	24304	No
4	GOM_NL__2PRFIN20061024_001033_000000412052_00202_24304_3109.N1	24-OCT-2006 00:10:33	Bright	40.500	174	52Psi UMa	3.0040	4400.0	81	24304	No
5	GOM_NL__2PRFIN20061024_001733_000000292052_00202_24304_3110.N1	24-OCT-2006 00:17:33	Bright	29.000	96	68Del Leo	2.5600	9300.0	58	24304	No
6	GOM_NL__2PRFIN20061024_003709_000000332052_00202_24304_3111.N1	24-OCT-2006 00:37:09	Dark	32.500	113	Mu Vel	2.6920	5000.0	65	24304	No
7	GOM_NL__2PRFIN20061024_003850_000000402052_00202_24304_3112.N1	24-OCT-2006 00:38:50	Dark	40.000	65	Lam Vel	2.2040	4400.0	80	24304	No
8	GOM_NL__2PRFIN20061024_004131_000000352052_00203_24305_3249.N1	24-OCT-2006 00:41:31	Dark	35.000	71	lot Car	2.2460	7700.0	70	24305	No
9	GOM_NL__2PRFIN20061024_004336_000000322052_00203_24305_3250.N1	24-OCT-2006 00:43:36	Dark	31.500	29	Bet Car	1.6720	10200.	63	24305	No
10	GOM_NL__2PRFIN20061024_005438_000000322052_00203_24305_3251.N1	24-OCT-2006 00:54:38	Dark	31.500	143	Alp Hyi	2.8570	7200.0	63	24305	No
11	GOM_NL__2PRFIN20061024_005603_000000452052_00203_24305_3252.N1	24-OCT-2006 00:56:03	Dark	45.000	9	Alp Eri	0.45300	24000.	90	24305	No
12	GOM_NL__2PRFIN20061024_010728_000000372052_00203_24305_3253.N1	24-OCT-2006 01:07:28	Straylight	37.000	52	16Bet Cet	2.0370	4500.0	74	24305	No
13	GOM_NL__2PRFIN20061024_011657_000000302052_00203_24305_3254.N1	24-OCT-2006 01:16:57	Bright	29.500	140	88Gam Peg	2.8340	26000.	59	24305	No
14	GOM_NL__2PRFIN20061024_012051_000000312052_00203_24305_3255.N1	24-OCT-2006 01:20:51	Bright	31.000	58	21Alp And	2.0730	11000.	62	24305	No
15	GOM_NL__2PRFIN20061024_012250_000000342052_00203_24305_3256.N1	24-OCT-2006 01:22:50	Bright	33.500	53	43Bet And	2.0480	3300.0	67	24305	No
16	GOM_NL__2PRFIN20061024_012834_000000302052_00203_24305_3257.N1	24-OCT-2006 01:28:34	Bright	30.000	68	18Alp Cas	2.2250	4500.0	60	24305	No
17	GOM_NL__2PRFIN20061024_012951_000000312052_00203_24305_3258.N1	24-OCT-2006 01:29:51	Bright	31.000	76	27Gam Cas	2.3000	30000.	62	24305	No
18	GOM_NL__2PRFIN20061024_013748_000000302052_00203_24305_3259.N1	24-OCT-2006 01:37:48	Bright	30.000	49	1Alp UMi	1.9900	6300.0	60	24305	No
19	GOM_NL__2PRFIN20061024_014115_000000322052_00203_24305_3260.N1	24-OCT-2006 01:41:15	Bright	32.000	60	7Bet UMi	2.0810	3950.0	64	24305	No
20	GOM_NL__2PRFIN20061024_014602_000000322052_00203_24305_3261.N1	24-OCT-2006 01:46:02	Bright	32.000	36	50Alp UMa	1.8000	6300.0	64	24305	No
21	GOM_NL__2PRFIN20061024_014737_000000332052_00203_24305_3262.N1	24-OCT-2006 01:47:37	Bright	32.500	82	48Bet UMa	2.3650	10600.	65	24305	No
22	GOM_NL__2PRFIN20061024_015109_000000322052_00203_24305_3263.N1	24-OCT-2006 01:51:09	Bright	31.500	174	52Psi UMa	3.0040	4400.0	63	24305	No
23	GOM_NL__2PRFIN20061024_015809_000000302052_00203_24305_3264.N1	24-OCT-2006 01:58:09	Bright	29.500	96	68Del Leo	2.5600	9300.0	59	24305	No
24	GOM_NL__2PRFIN20061024_021927_000000452052_00203_24305_3265.N1	24-OCT-2006 02:19:27	Dark	44.500	65	Lam Vel	2.2040	4400.0	89	24305	No
25	GOM_NL__2PRFIN20061024_022207_000000332052_00204_24306_3099.N1	24-OCT-2006 02:22:07	Dark	32.500	71	lot Car	2.2460	7700.0	65	24306	No
26	GOM_NL__2PRFIN20061024_022412_000000342052_00204_24306_3100.N1	24-OCT-2006 02:24:12	Dark	33.500	29	Bet Car	1.6720	10200.	67	24306	No
27	GOM_NL__2PRFIN20061024_023514_000000322052_00204_24306_3101.N1	24-OCT-2006 02:35:14	Dark	31.500	143	Alp Hyi	2.8570	7200.0	63	24306	No
28	GOM_NL__2PRFIN20061024_023639_000000332052_00204_24306_3102.N1	24-OCT-2006 02:36:39	Dark	33.000	9	Alp Eri	0.45300	24000.	66	24306	No
29	GOM_NL__2PRFIN20061024_024804_000000352052_00204_24306_3103.N1	24-OCT-2006 02:48:04	Straylight	34.500	52	16Bet Cet	2.0370	4500.0	69	24306	No
30	GOM_NL__2PRFIN20061024_025733_000000292052_00204_24306_3104.N1	24-OCT-2006 02:57:33	Bright	28.500	140	88Gam Peg	2.8340	26000.	57	24306	No
31	GOM_NL__2PRFIN20061024_030127_000000302052_00204_24306_3105.N1	24-OCT-2006 03:01:27	Bright	29.500	58	21Alp And	2.0730	11000.	59	24306	No
32	GOM_NL__2PRFIN20061024_030325_000000332052_00204_24306_3106.N1	24-OCT-2006 03:03:25	Bright	32.500	53	43Bet And	2.0480	3300.0	65	24306	No
33	GOM_NL__2PRFIN20061024_030910_000000312052_00204_24306_3107.N1	24-OCT-2006 03:09:10	Bright	30.500	68	18Alp Cas	2.2250	4500.0	61	24306	No
34	GOM_NL__2PRFIN20061024_031027_000000302052_00204_24306_3108.N1	24-OCT-2006 03:10:27	Bright	30.000	76	27Gam Cas	2.3000	30000.	60	24306	No
35	GOM_NL__2PRFIN20061024_031823_000000312052_00204_24306_3109.N1	24-OCT-2006 03:18:23	Bright	30.500	49	1Alp UMi	1.9900	6300.0	61	24306	No
36	GOM_NL__2PRFIN20061024_032150_000000322052_00204_24306_3110.N1	24-OCT-2006 03:21:50	Bright	31.500	60	7Bet UMi	2.0810	3950.0	63	24306	No
37	GOM_NL__2PRFIN20061024_032638_000000342052_00204_24306_3111.N1	24-OCT-2006 03:26:38	Bright	34.000	36	50Alp UMa	1.8000	6300.0	68	24306	No
38	GOM_NL__2PRFIN20061024_032813_000000322052_00204_24306_3112.N1	24-OCT-2006 03:28:13	Bright	31.500	82	48Bet UMa	2.3650	10600.	63	24306	No
39	GOM_NL__2PRFIN20061024_033144_000000302052_00204_24306_3113.N1	24-OCT-2006 03:31:44	Bright	29.500	174	52Psi UMa	3.0040	4400.0	59	24306	No
40	GOM_NL__2PRFIN20061024_033845_000000302052_00204_24306_3114.N1	24-OCT-2006 03:38:45	Bright	29.500	96	68Del Leo	2.5600	9300.0	59	24306	No
41	GOM_NL__2PRFIN20061024_033959_000000282052_00204_24306_3115.N1	24-OCT-2006 03:39:59	Bright	27.500	62	94Bet Leo	2.1360	9700.0	55	24306	No
42	GOM_NL__2PRFIN20061024_035822_000000332052_00204_24306_3116.N1	24-OCT-2006 03:58:22	Dark	32.500	113	Mu Vel	2.6920	5000.0	65	24306	No

43	GOM_NL__2PRFIN20061024_040004_000000452052_00204_24306_3117.N1	24-OCT-2006 04:00:04	Dark	44.500	65	Lam Vel	2.2040	4400.0	89	24306	No
44	GOM_NL__2PRFIN20061024_040244_000000342052_00205_24307_3099.N1	24-OCT-2006 04:02:44	Dark	34.000	71	lot Car	2.2460	7700.0	68	24307	No
45	GOM_NL__2PRFIN20061024_040448_000000312052_00205_24307_3100.N1	24-OCT-2006 04:04:48	Dark	30.500	29	Bet Car	1.6720	10200.	61	24307	No
46	GOM_NL__2PRFIN20061024_041550_000000322052_00205_24307_3101.N1	24-OCT-2006 04:15:50	Dark	31.500	143	Alp Hyi	2.8570	7200.0	63	24307	No
47	GOM_NL__2PRFIN20061024_041715_000000362052_00205_24307_3102.N1	24-OCT-2006 04:17:15	Dark	36.000	9	Alp Eri	0.45300	24000.	72	24307	No
48	GOM_NL__2PRFIN20061024_042840_000000332052_00205_24307_3103.N1	24-OCT-2006 04:28:40	Straylight	33.000	52	16Bet Cet	2.0370	4500.0	66	24307	No
49	GOM_NL__2PRFIN20061024_043809_000000302052_00205_24307_3104.N1	24-OCT-2006 04:38:09	Bright	29.500	140	88Gam Peg	2.8340	26000.	59	24307	No
50	GOM_NL__2PRFIN20061024_044203_000000312052_00205_24307_3105.N1	24-OCT-2006 04:42:03	Bright	30.500	58	21Alp And	2.0730	11000.	61	24307	No
51	GOM_NL__2PRFIN20061024_044402_000000322052_00205_24307_3106.N1	24-OCT-2006 04:44:02	Bright	31.500	53	43Bet And	2.0480	3300.0	63	24307	No
52	GOM_NL__2PRFIN20061024_044946_000000322052_00205_24307_3107.N1	24-OCT-2006 04:49:46	Bright	31.500	68	18Alp Cas	2.2250	4500.0	63	24307	No
53	GOM_NL__2PRFIN20061024_045103_000000302052_00205_24307_3108.N1	24-OCT-2006 04:51:03	Bright	29.500	76	27Gam Cas	2.3000	30000.	59	24307	No
54	GOM_NL__2PRFIN20061024_045900_000000302052_00205_24307_3109.N1	24-OCT-2006 04:59:00	Bright	30.000	49	1Alp UMi	1.9900	6300.0	60	24307	No
55	GOM_NL__2PRFIN20061024_050227_000000322052_00205_24307_3110.N1	24-OCT-2006 05:02:27	Bright	31.500	60	7Bet UMi	2.0810	3950.0	63	24307	No
56	GOM_NL__2PRFIN20061024_050714_000000312052_00205_24307_3111.N1	24-OCT-2006 05:07:14	Bright	30.500	36	50Alp UMa	1.8000	6300.0	61	24307	No
57	GOM_NL__2PRFIN20061024_050849_000000302052_00205_24307_3112.N1	24-OCT-2006 05:08:49	Bright	29.500	82	48Bet UMa	2.3650	10600.	59	24307	No
58	GOM_NL__2PRFIN20061024_051221_000000292052_00205_24307_3113.N1	24-OCT-2006 05:12:21	Bright	29.000	174	52Psi UMa	3.0040	4400.0	58	24307	No
59	GOM_NL__2PRFIN20061024_051921_000000302052_00205_24307_3114.N1	24-OCT-2006 05:19:21	Bright	29.500	96	68Del Leo	2.5600	9300.0	59	24307	No
60	GOM_NL__2PRFIN20061024_052035_000000272052_00205_24307_3115.N1	24-OCT-2006 05:20:35	Bright	26.500	62	94Bet Leo	2.1360	9700.0	53	24307	No
61	GOM_NL__2PRFIN20061024_053858_000000352052_00205_24307_3116.N1	24-OCT-2006 05:38:58	Dark	34.500	113	Mu Vel	2.6920	5000.0	69	24307	No
62	GOM_NL__2PRFIN20061024_054041_000000402052_00205_24307_3117.N1	24-OCT-2006 05:40:41	Dark	40.000	65	Lam Vel	2.2040	4400.0	80	24307	No
63	GOM_NL__2PRFIN20061024_054320_000000342052_00206_24308_3099.N1	24-OCT-2006 05:43:20	Dark	33.500	71	lot Car	2.2460	7700.0	67	24308	No
64	GOM_NL__2PRFIN20061024_054525_000000352052_00206_24308_3100.N1	24-OCT-2006 05:45:25	Dark	35.000	29	Bet Car	1.6720	10200.	70	24308	No
65	GOM_NL__2PRFIN20061024_055626_000000312052_00206_24308_3101.N1	24-OCT-2006 05:56:26	Dark	31.000	143	Alp Hyi	2.8570	7200.0	62	24308	No
66	GOM_NL__2PRFIN20061024_055751_000000442052_00206_24308_3102.N1	24-OCT-2006 05:57:51	Dark	44.000	9	Alp Eri	0.45300	24000.	88	24308	No
67	GOM_NL__2PRFIN20061024_060916_000000382052_00206_24308_3103.N1	24-OCT-2006 06:09:16	Straylight	37.500	52	16Bet Cet	2.0370	4500.0	75	24308	No
68	GOM_NL__2PRFIN20061024_061846_000000312052_00206_24308_3104.N1	24-OCT-2006 06:18:46	Bright	30.500	140	88Gam Peg	2.8340	26000.	61	24308	No
69	GOM_NL__2PRFIN20061024_062239_000000302052_00206_24308_3105.N1	24-OCT-2006 06:22:39	Bright	30.000	58	21Alp And	2.0730	11000.	60	24308	No
70	GOM_NL__2PRFIN20061024_062437_000000312052_00206_24308_3106.N1	24-OCT-2006 06:24:37	Bright	31.000	53	43Bet And	2.0480	3300.0	62	24308	No
71	GOM_NL__2PRFIN20061024_063022_000000302052_00206_24308_3107.N1	24-OCT-2006 06:30:22	Bright	29.500	68	18Alp Cas	2.2250	4500.0	59	24308	No
72	GOM_NL__2PRFIN20061024_063139_000000312052_00206_24308_3108.N1	24-OCT-2006 06:31:39	Bright	31.000	76	27Gam Cas	2.3000	30000.	62	24308	No
73	GOM_NL__2PRFIN20061024_063936_000000302052_00206_24308_3109.N1	24-OCT-2006 06:39:36	Bright	30.000	49	1Alp UMi	1.9900	6300.0	60	24308	No
74	GOM_NL__2PRFIN20061024_064303_000000282052_00206_24308_3110.N1	24-OCT-2006 06:43:03	Bright	27.500	60	7Bet UMi	2.0810	3950.0	55	24308	No
75	GOM_NL__2PRFIN20061024_064750_000000322052_00206_24308_3111.N1	24-OCT-2006 06:47:50	Bright	32.000	36	50Alp UMa	1.8000	6300.0	64	24308	No
76	GOM_NL__2PRFIN20061024_064925_000000312052_00206_24308_3112.N1	24-OCT-2006 06:49:25	Bright	30.500	82	48Bet UMa	2.3650	10600.	61	24308	No
77	GOM_NL__2PRFIN20061024_065257_000000412052_00206_24308_3113.N1	24-OCT-2006 06:52:57	Bright	41.000	174	52Psi UMa	3.0040	4400.0	82	24308	No
78	GOM_NL__2PRFIN20061024_065957_000000282052_00206_24308_3114.N1	24-OCT-2006 06:59:57	Bright	28.000	96	68Del Leo	2.5600	9300.0	56	24308	No
79	GOM_NL__2PRFIN20061024_070111_000000262052_00206_24308_3115.N1	24-OCT-2006 07:01:11	Bright	25.500	62	94Bet Leo	2.1360	9700.0	51	24308	No
80	GOM_NL__2PRFIN20061024_071934_000000342052_00206_24308_3116.N1	24-OCT-2006 07:19:34	Dark	34.000	113	Mu Vel	2.6920	5000.0	68	24308	No
81	GOM_NL__2PRFIN20061024_072117_000000392052_00206_24308_3117.N1	24-OCT-2006 07:21:17	Dark	39.000	65	Lam Vel	2.2040	4400.0	78	24308	No
82	GOM_NL__2PRFIN20061024_072357_000000362052_00207_24309_3099.N1	24-OCT-2006 07:23:57	Dark	36.000	71	lot Car	2.2460	7700.0	72	24309	No
83	GOM_NL__2PRFIN20061024_072601_000000322052_00207_24309_3100.N1	24-OCT-2006 07:26:01	Dark	32.000	29	Bet Car	1.6720	10200.	64	24309	No
84	GOM_NL__2PRFIN20061024_073703_000000352052_00207_24309_3101.N1	24-OCT-2006 07:37:03	Dark	34.500	143	Alp Hyi	2.8570	7200.0	69	24309	No
85	GOM_NL__2PRFIN20061024_073828_000000422052_00207_24309_3102.N1	24-OCT-2006 07:38:28	Dark	41.500	9	Alp Eri	0.45300	24000.	83	24309	No
86	GOM_NL__2PRFIN20061024_074952_000000392052_00207_24309_3103.N1	24-OCT-2006 07:49:52	Straylight	38.500	52	16Bet Cet	2.0370	4500.0	77	24309	No
87	GOM_NL__2PRFIN20061024_075922_000000302052_00207_24309_3104.N1	24-OCT-2006 07:59:22	Bright	29.500	140	88Gam Peg	2.8340	26000.	59	24309	No
88	GOM_NL__2PRFIN20061024_080315_000000312052_00207_24309_3105.N1	24-OCT-2006 08:03:15	Bright	30.500	58	21Alp And	2.0730	11000.	61	24309	No
89	GOM_NL__2PRFIN20061024_080513_000000342052_00207_24309_3106.N1	24-OCT-2006 08:05:13	Bright	33.500	53	43Bet And	2.0480	3300.0	67	24309	No
90	GOM_NL__2PRFIN20061024_081058_000000312052_00207_24309_3107.N1	24-OCT-2006 08:10:58	Bright	31.000	68	18Alp Cas	2.2250	4500.0	62	24309	No
91	GOM_NL__2PRFIN20061024_081215_000000302052_00207_24309_3108.N1	24-OCT-2006 08:12:15	Bright	30.000	76	27Gam Cas	2.3000	30000.	60	24309	No
92	GOM_NL__2PRFIN20061024_082012_000000302052_00207_24309_3109.N1	24-OCT-2006 08:20:12	Bright	30.000	49	1Alp UMi	1.9900	6300.0	60	24309	No
93	GOM_NL__2PRFIN20061024_082339_000000302052_00207_24309_3110.N1	24-OCT-2006 08:23:39	Bright	29.500	60	7Bet UMi	2.0810	3950.0	59	24309	No
94	GOM_NL__2PRFIN20061024_082826_000000312052_00207_24309_3111.N1	24-OCT-2006 08:28:26	Bright	31.000	36	50Alp UMa	1.8000	6300.0	62	24309	No
95	GOM_NL__2PRFIN20061024_083001_000000312052_00207_24309_3112.N1	24-OCT-2006 08:30:01	Bright	31.000	82	48Bet UMa	2.3650	10600.	62	24309	No
96	GOM_NL__2PRFIN20061024_083333_000000302052_00207_24309_3113.N1	24-OCT-2006 08:33:33	Bright	29.500	174	52Psi UMa	3.0040	4400.0	59	24309	No
97	GOM_NL__2PRFIN20061024_084033_000000292052_00207_24309_3114.N1	24-OCT-2006 08:40:33	Bright	29.000	96	68Del Leo	2.5600	9300.0	58	24309	No
98	GOM_NL__2PRFIN20061024_084147_000000272052_00207_24309_3115.N1	24-OCT-2006 08:41:47	Bright	26.500	62	94Bet Leo	2.1360	9700.0	53	24309	No
99	GOM_NL__2PRFIN20061024_090010_000000362052_00207_24309_3116.N1	24-OCT-2006 09:00:10	Dark	35.500	113	Mu Vel	2.6920	5000.0	71	24309	No
100	GOM_NL__2PRFIN20061024_090154_000000492052_00207_24309_3117.N1	24-OCT-2006 09:01:54	Dark	48.500	65	Lam Vel	2.2040	4400.0	97	24309	No
101	GOM_NL__2PRFIN20061024_090433_000000322052_00208_24310_3099.N1	24-OCT-2006 09:04:33	Dark	32.000	71	lot Car	2.2460	7700.0	64	24310	No

102	GOM_NL__2PRFIN20061024_090637_000000342052_00208_24310_3100.N1	24-OCT-2006 09:06:37	Dark	33.500	29	Bet Car	1.6720	10200.	67	24310	No
103	GOM_NL__2PRFIN20061024_091739_000000322052_00208_24310_3101.N1	24-OCT-2006 09:17:39	Dark	32.000	143	Alp Hyi	2.8570	7200.0	64	24310	No
104	GOM_NL__2PRFIN20061024_091904_000000412052_00208_24310_3102.N1	24-OCT-2006 09:19:04	Dark	40.500	9	Alp Eri	0.45300	24000.	81	24310	No
105	GOM_NL__2PRFIN20061024_093028_000000372052_00208_24310_3103.N1	24-OCT-2006 09:30:28	Straylight	37.000	52	16Bet Cet	2.0370	4500.0	74	24310	No
106	GOM_NL__2PRFIN20061024_093958_000000312052_00208_24310_3104.N1	24-OCT-2006 09:39:58	Bright	30.500	140	88Gam Peg	2.8340	26000.	61	24310	No
107	GOM_NL__2PRFIN20061024_094351_000000302052_00208_24310_3105.N1	24-OCT-2006 09:43:51	Bright	29.500	58	21Alp And	2.0730	11000.	59	24310	No
108	GOM_NL__2PRFIN20061024_094549_000000322052_00208_24310_3106.N1	24-OCT-2006 09:45:49	Bright	32.000	53	43Bet And	2.0480	3300.0	64	24310	No
109	GOM_NL__2PRFIN20061024_095134_000000312052_00208_24310_3107.N1	24-OCT-2006 09:51:34	Bright	30.500	68	18Alp Cas	2.2250	4500.0	61	24310	No
110	GOM_NL__2PRFIN20061024_095251_000000382052_00208_24310_3108.N1	24-OCT-2006 09:52:51	Bright	37.500	76	27Gam Cas	2.3000	30000.	75	24310	No
111	GOM_NL__2PRFIN20061024_100048_000000312052_00208_24310_3109.N1	24-OCT-2006 10:00:48	Bright	30.500	49	1Alp UMi	1.9900	6300.0	61	24310	No
112	GOM_NL__2PRFIN20061024_100415_000000292052_00208_24310_3110.N1	24-OCT-2006 10:04:15	Bright	28.500	60	7Bet UMi	2.0810	3950.0	57	24310	No
113	GOM_NL__2PRFIN20061024_100902_000000302052_00208_24310_3111.N1	24-OCT-2006 10:09:02	Bright	29.500	36	50Alp UMa	1.8000	6300.0	59	24310	No
114	GOM_NL__2PRFIN20061024_101037_000000312052_00208_24310_3112.N1	24-OCT-2006 10:10:37	Bright	30.500	82	48Bet UMa	2.3650	10600.	61	24310	No
115	GOM_NL__2PRFIN20061024_101409_000000302052_00208_24310_3113.N1	24-OCT-2006 10:14:09	Bright	29.500	174	52Psi UMa	3.0040	4400.0	59	24310	No
116	GOM_NL__2PRFIN20061024_102110_000000302052_00208_24310_3114.N1	24-OCT-2006 10:21:10	Bright	29.500	96	68Del Leo	2.5600	9300.0	59	24310	No
117	GOM_NL__2PRFIN20061024_102224_000000272052_00208_24310_3115.N1	24-OCT-2006 10:22:24	Bright	27.000	62	94Bet Leo	2.1360	9700.0	54	24310	No
118	GOM_NL__2PRFIN20061024_104047_000000332052_00208_24310_3116.N1	24-OCT-2006 10:40:47	Dark	33.000	113	Mu Vel	2.6920	5000.0	66	24310	No
119	GOM_NL__2PRFIN20061024_104231_000000412052_00208_24310_3117.N1	24-OCT-2006 10:42:31	Dark	41.000	65	Lam Vel	2.2040	4400.0	82	24310	No
120	GOM_NL__2PRFIN20061024_104713_000000332052_00209_24311_3099.N1	24-OCT-2006 10:47:13	Dark	33.000	29	Bet Car	1.6720	10200.	66	24311	No
121	GOM_NL__2PRFIN20061024_105815_000000322052_00209_24311_3100.N1	24-OCT-2006 10:58:15	Dark	32.000	143	Alp Hyi	2.8570	7200.0	64	24311	No
122	GOM_NL__2PRFIN20061024_105940_000000422052_00209_24311_3101.N1	24-OCT-2006 10:59:40	Dark	42.000	9	Alp Eri	0.45300	24000.	84	24311	No
123	GOM_NL__2PRFIN20061024_111104_000000382052_00209_24311_3102.N1	24-OCT-2006 11:11:04	Straylight	37.500	52	16Bet Cet	2.0370	4500.0	75	24311	No
124	GOM_NL__2PRFIN20061024_112034_000000312052_00209_24311_3103.N1	24-OCT-2006 11:20:34	Bright	31.000	140	88Gam Peg	2.8340	26000.	62	24311	No
125	GOM_NL__2PRFIN20061024_112427_000000312052_00209_24311_3104.N1	24-OCT-2006 11:24:27	Bright	31.000	58	21Alp And	2.0730	11000.	62	24311	No
126	GOM_NL__2PRFIN20061024_112624_000000342052_00209_24311_3105.N1	24-OCT-2006 11:26:24	Bright	33.500	53	43Bet And	2.0480	3300.0	67	24311	No
127	GOM_NL__2PRFIN20061024_113209_000000312052_00209_24311_3106.N1	24-OCT-2006 11:32:09	Bright	30.500	68	18Alp Cas	2.2250	4500.0	61	24311	No
128	GOM_NL__2PRFIN20061024_113326_000000322052_00209_24311_3107.N1	24-OCT-2006 11:33:26	Bright	32.000	76	27Gam Cas	2.3000	30000.	64	24311	No
129	GOM_NL__2PRFIN20061024_114123_000000302052_00209_24311_3108.N1	24-OCT-2006 11:41:23	Bright	30.000	49	1Alp UMi	1.9900	6300.0	60	24311	No
130	GOM_NL__2PRFIN20061024_114451_000000312052_00209_24311_3109.N1	24-OCT-2006 11:44:51	Bright	30.500	60	7Bet UMi	2.0810	3950.0	61	24311	No
131	GOM_NL__2PRFIN20061024_114938_000000322052_00209_24311_3110.N1	24-OCT-2006 11:49:38	Bright	31.500	36	50Alp UMa	1.8000	6300.0	63	24311	No
132	GOM_NL__2PRFIN20061024_115113_000000312052_00209_24311_3111.N1	24-OCT-2006 11:51:13	Bright	30.500	82	48Bet UMa	2.3650	10600.	61	24311	No
133	GOM_NL__2PRFIN20061024_115445_000000292052_00209_24311_3112.N1	24-OCT-2006 11:54:45	Bright	29.000	174	52Psi UMa	3.0040	4400.0	58	24311	No
134	GOM_NL__2PRFIN20061024_120146_000000482052_00209_24311_3113.N1	24-OCT-2006 12:01:46	Bright	48.000	96	68Del Leo	2.5600	9300.0	96	24311	No
135	GOM_NL__2PRFIN20061024_120300_000000282052_00209_24311_3114.N1	24-OCT-2006 12:03:00	Bright	28.000	62	94Bet Leo	2.1360	9700.0	56	24311	No
136	GOM_NL__2PRFIN20061024_122123_000000372052_00209_24311_3115.N1	24-OCT-2006 12:21:23	Dark	36.500	113	Mu Vel	2.6920	5000.0	73	24311	No
137	GOM_NL__2PRFIN20061024_122307_000000462052_00209_24311_3116.N1	24-OCT-2006 12:23:07	Dark	46.000	65	Lam Vel	2.2040	4400.0	92	24311	No
138	GOM_NL__2PRFIN20061024_122600_000000352052_00210_24312_3099.N1	24-OCT-2006 12:26:00	Dark	34.500	46	Del Vel	1.9540	10600.	69	24312	No
139	GOM_NL__2PRFIN20061024_122749_000000332052_00210_24312_3100.N1	24-OCT-2006 12:27:49	Dark	32.500	29	Bet Car	1.6720	10200.	65	24312	No
140	GOM_NL__2PRFIN20061024_123851_000000342052_00210_24312_3101.N1	24-OCT-2006 12:38:51	Dark	33.500	143	Alp Hyi	2.8570	7200.0	67	24312	No
141	GOM_NL__2PRFIN20061024_124016_000000322052_00210_24312_3102.N1	24-OCT-2006 12:40:16	Dark	31.500	9	Alp Eri	0.45300	24000.	63	24312	No
142	GOM_NL__2PRFIN20061024_125140_000000392052_00210_24312_3103.N1	24-OCT-2006 12:51:40	Straylight	38.500	52	16Bet Cet	2.0370	4500.0	77	24312	No
143	GOM_NL__2PRFIN20061024_130110_000000302052_00210_24312_3104.N1	24-OCT-2006 13:01:10	Bright	30.000	140	88Gam Peg	2.8340	26000.	60	24312	No
144	GOM_NL__2PRFIN20061024_130503_000000312052_00210_24312_3105.N1	24-OCT-2006 13:05:03	Bright	31.000	58	21Alp And	2.0730	11000.	62	24312	No
145	GOM_NL__2PRFIN20061024_130700_000000332052_00210_24312_3106.N1	24-OCT-2006 13:07:00	Bright	33.000	53	43Bet And	2.0480	3300.0	66	24312	No
146	GOM_NL__2PRFIN20061024_131245_000000312052_00210_24312_3107.N1	24-OCT-2006 13:12:45	Bright	31.000	68	18Alp Cas	2.2250	4500.0	62	24312	No
147	GOM_NL__2PRFIN20061024_131402_000000322052_00210_24312_3108.N1	24-OCT-2006 13:14:02	Bright	31.500	76	27Gam Cas	2.3000	30000.	63	24312	No
148	GOM_NL__2PRFIN20061024_132528_000000272052_00210_24312_3109.N1	24-OCT-2006 13:25:28	Bright	27.000	60	7Bet UMi	2.0810	3950.0	54	24312	No
149	GOM_NL__2PRFIN20061024_133014_000000322052_00210_24312_3110.N1	24-OCT-2006 13:30:14	Bright	32.000	36	50Alp UMa	1.8000	6300.0	64	24312	No
150	GOM_NL__2PRFIN20061024_133149_000000482052_00210_24312_3111.N1	24-OCT-2006 13:31:49	Bright	48.000	82	48Bet UMa	2.3650	10600.	96	24312	No
151	GOM_NL__2PRFIN20061024_133520_000000312052_00210_24312_3112.N1	24-OCT-2006 13:35:20	Bright	30.500	174	52Psi UMa	3.0040	4400.0	61	24312	No
152	GOM_NL__2PRFIN20061024_134222_000000302052_00210_24312_3113.N1	24-OCT-2006 13:42:22	Bright	29.500	96	68Del Leo	2.5600	9300.0	59	24312	No
153	GOM_NL__2PRFIN20061024_134336_000000282052_00210_24312_3114.N1	24-OCT-2006 13:43:36	Bright	28.000	62	94Bet Leo	2.1360	9700.0	56	24312	No
154	GOM_NL__2PRFIN20061024_140159_000000362052_00210_24312_3115.N1	24-OCT-2006 14:01:59	Dark	36.000	113	Mu Vel	2.6920	5000.0	72	24312	No
155	GOM_NL__2PRFIN20061024_140344_000000462052_00210_24312_3116.N1	24-OCT-2006 14:03:44	Dark	46.000	65	Lam Vel	2.2040	4400.0	92	24312	No
156	GOM_NL__2PRFIN20061024_140637_000000352052_00211_24313_3099.N1	24-OCT-2006 14:06:37	Dark	34.500	46	Del Vel	1.9540	10600.	69	24313	No
157	GOM_NL__2PRFIN20061024_140826_000000332052_00211_24313_3100.N1	24-OCT-2006 14:08:26	Dark	32.500	29	Bet Car	1.6720	10200.	65	24313	No
158	GOM_NL__2PRFIN20061024_141927_000000332052_00211_24313_3101.N1	24-OCT-2006 14:19:27	Dark	32.500	143	Alp Hyi	2.8570	7200.0	65	24313	No
159	GOM_NL__2PRFIN20061024_142052_000000412052_00211_24313_3102.N1	24-OCT-2006 14:20:52	Dark	41.000	9	Alp Eri	0.45300	24000.	82	24313	No
160	GOM_NL__2PRFIN20061024_143216_000000382052_00211_24313_3103.N1	24-OCT-2006 14:32:16	Straylight	37.500	52	16Bet Cet	2.0370	4500.0	75	24313	No

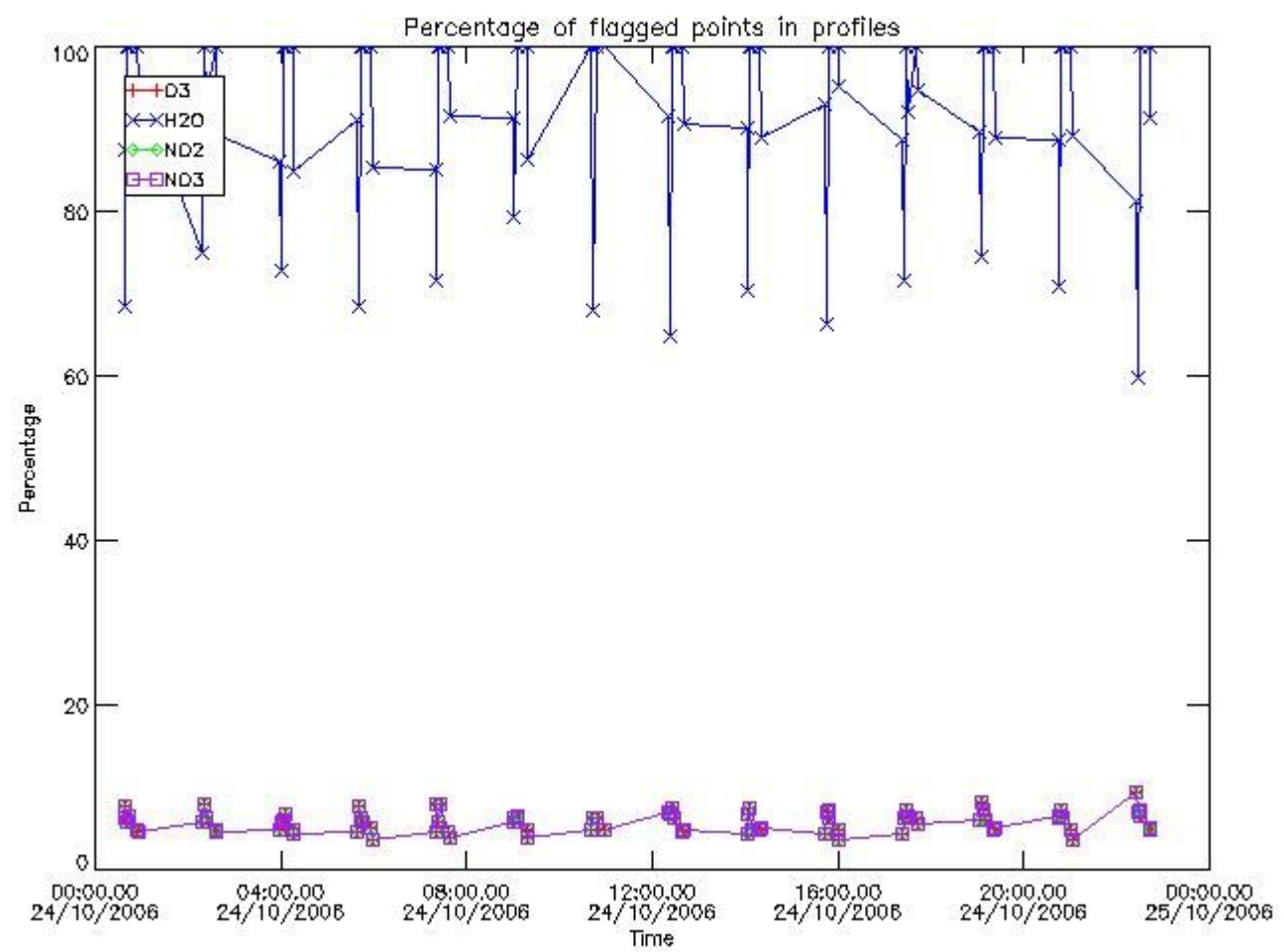


220	GOM_NL__2PRFIN20061024_194923_000000302052_00214_24316_3166.N1	24-OCT-2006 19:49:23	Bright	30.000	53	43Bet And	2.0480	3300.0	60	24316	No
221	GOM_NL__2PRFIN20061024_195509_000000472052_00214_24316_3167.N1	24-OCT-2006 19:55:09	Bright	47.000	68	18Alp Cas	2.2250	4500.0	94	24316	No
222	GOM_NL__2PRFIN20061024_195625_000000302052_00214_24316_3168.N1	24-OCT-2006 19:56:25	Bright	29.500	76	27Gam Cas	2.3000	30000.	59	24316	No
223	GOM_NL__2PRFIN20061024_200423_000000312052_00214_24316_3169.N1	24-OCT-2006 20:04:23	Bright	31.000	49	1Alp UMi	1.9900	6300.0	62	24316	No
224	GOM_NL__2PRFIN20061024_200752_000000292052_00214_24316_3170.N1	24-OCT-2006 20:07:52	Bright	28.500	60	7Bet UMi	2.0810	3950.0	57	24316	No
225	GOM_NL__2PRFIN20061024_201237_000000312052_00214_24316_3171.N1	24-OCT-2006 20:12:37	Bright	31.000	36	50Alp UMa	1.8000	6300.0	62	24316	No
226	GOM_NL__2PRFIN20061024_201351_000000312052_00214_24316_3172.N1	24-OCT-2006 20:13:51	Bright	31.000	32	77Eps UMa	1.7630	11000.	62	24316	No
227	GOM_NL__2PRFIN20061024_201745_000000452052_00214_24316_3173.N1	24-OCT-2006 20:17:45	Bright	44.500	174	52Psi UMa	3.0040	4400.0	89	24316	No
228	GOM_NL__2PRFIN20061024_202447_000000302052_00214_24316_3174.N1	24-OCT-2006 20:24:47	Bright	30.000	96	68Del Leo	2.5600	9300.0	60	24316	No
229	GOM_NL__2PRFIN20061024_202601_000000282052_00214_24316_3175.N1	24-OCT-2006 20:26:01	Bright	28.000	62	94Bet Leo	2.1360	9700.0	56	24316	No
230	GOM_NL__2PRFIN20061024_204424_000000322052_00214_24316_3176.N1	24-OCT-2006 20:44:24	Dark	31.500	113	Mu Vel	2.6920	5000.0	63	24316	No
231	GOM_NL__2PRFIN20061024_204611_000000502052_00214_24316_3177.N1	24-OCT-2006 20:46:11	Dark	50.000	65	Lam Vel	2.2040	4400.0	100	24316	No
232	GOM_NL__2PRFIN20061024_204903_000000362052_00215_24317_3159.N1	24-OCT-2006 20:49:03	Dark	35.500	46	Del Vel	1.9540	10600.	71	24317	No
233	GOM_NL__2PRFIN20061024_205050_000000332052_00215_24317_3160.N1	24-OCT-2006 20:50:50	Dark	33.000	29	Bet Car	1.6720	10200.	66	24317	No
234	GOM_NL__2PRFIN20061024_210152_000000322052_00215_24317_3161.N1	24-OCT-2006 21:01:52	Dark	31.500	143	Alp Hyi	2.8570	7200.0	63	24317	No
235	GOM_NL__2PRFIN20061024_210317_000000422052_00215_24317_3162.N1	24-OCT-2006 21:03:17	Dark	42.000	9	Alp Eri	0.45300	24000.	84	24317	No
236	GOM_NL__2PRFIN20061024_211441_000000372052_00215_24317_3163.N1	24-OCT-2006 21:14:41	Straylight	36.500	52	16Bet Cet	2.0370	4500.0	73	24317	No
237	GOM_NL__2PRFIN20061024_212410_000000312052_00215_24317_3164.N1	24-OCT-2006 21:24:10	Bright	31.000	140	88Gam Peg	2.8340	26000.	62	24317	No
238	GOM_NL__2PRFIN20061024_212803_000000312052_00215_24317_3165.N1	24-OCT-2006 21:28:03	Bright	30.500	58	21Alp And	2.0730	11000.	61	24317	No
239	GOM_NL__2PRFIN20061024_212959_000000322052_00215_24317_3166.N1	24-OCT-2006 21:29:59	Bright	31.500	53	43Bet And	2.0480	3300.0	63	24317	No
240	GOM_NL__2PRFIN20061024_213545_000000312052_00215_24317_3167.N1	24-OCT-2006 21:35:45	Bright	31.000	68	18Alp Cas	2.2250	4500.0	62	24317	No
241	GOM_NL__2PRFIN20061024_213701_000000302052_00215_24317_3168.N1	24-OCT-2006 21:37:01	Bright	29.500	76	27Gam Cas	2.3000	30000.	59	24317	No
242	GOM_NL__2PRFIN20061024_214459_000000312052_00215_24317_3169.N1	24-OCT-2006 21:44:59	Bright	31.000	49	1Alp UMi	1.9900	6300.0	62	24317	No
243	GOM_NL__2PRFIN20061024_214828_000000282052_00215_24317_3170.N1	24-OCT-2006 21:48:28	Bright	27.500	60	7Bet UMi	2.0810	3950.0	55	24317	No
244	GOM_NL__2PRFIN20061024_215313_000000342052_00215_24317_3171.N1	24-OCT-2006 21:53:13	Bright	33.500	36	50Alp UMa	1.8000	6300.0	67	24317	No
245	GOM_NL__2PRFIN20061024_215427_000000322052_00215_24317_3172.N1	24-OCT-2006 21:54:27	Bright	31.500	32	77Eps UMa	1.7630	11000.	63	24317	No
246	GOM_NL__2PRFIN20061024_215821_000000482052_00215_24317_3173.N1	24-OCT-2006 21:58:21	Bright	48.000	174	52Psi UMa	3.0040	4400.0	96	24317	No
247	GOM_NL__2PRFIN20061024_220523_000000302052_00215_24317_3174.N1	24-OCT-2006 22:05:23	Bright	30.000	96	68Del Leo	2.5600	9300.0	60	24317	No
248	GOM_NL__2PRFIN20061024_220637_000000282052_00215_24317_3175.N1	24-OCT-2006 22:06:37	Bright	27.500	62	94Bet Leo	2.1360	9700.0	55	24317	No
249	GOM_NL__2PRFIN20061024_222500_000000332052_00215_24317_3176.N1	24-OCT-2006 22:25:00	Dark	32.500	113	Mu Vel	2.6920	5000.0	65	24317	No
250	GOM_NL__2PRFIN20061024_222647_000000442052_00215_24317_3177.N1	24-OCT-2006 22:26:47	Dark	44.000	65	Lam Vel	2.2040	4400.0	88	24317	No
251	GOM_NL__2PRFIN20061024_222940_000000352052_00216_24318_3159.N1	24-OCT-2006 22:29:40	Dark	35.000	46	Del Vel	1.9540	10600.	70	24318	No
252	GOM_NL__2PRFIN20061024_223127_000000322052_00216_24318_3160.N1	24-OCT-2006 22:31:27	Dark	32.000	29	Bet Car	1.6720	10200.	64	24318	No
253	GOM_NL__2PRFIN20061024_224228_000000332052_00216_24318_3161.N1	24-OCT-2006 22:42:28	Dark	32.500	143	Alp Hyi	2.8570	7200.0	65	24318	No
254	GOM_NL__2PRFIN20061024_224353_000000412052_00216_24318_3162.N1	24-OCT-2006 22:43:53	Dark	40.500	9	Alp Eri	0.45300	24000.	81	24318	No
255	GOM_NL__2PRFIN20061024_225517_000000382052_00216_24318_3163.N1	24-OCT-2006 22:55:17	Straylight	38.000	52	16Bet Cet	2.0370	4500.0	76	24318	No
256	GOM_NL__2PRFIN20061024_230446_000000302052_00216_24318_3164.N1	24-OCT-2006 23:04:46	Bright	29.500	140	88Gam Peg	2.8340	26000.	59	24318	No
257	GOM_NL__2PRFIN20061024_230839_000000302052_00216_24318_3165.N1	24-OCT-2006 23:08:39	Bright	30.000	58	21Alp And	2.0730	11000.	60	24318	No
258	GOM_NL__2PRFIN20061024_231035_000000342052_00216_24318_3166.N1	24-OCT-2006 23:10:35	Bright	33.500	53	43Bet And	2.0480	3300.0	67	24318	No
259	GOM_NL__2PRFIN20061024_231621_000000312052_00216_24318_3167.N1	24-OCT-2006 23:16:21	Bright	30.500	68	18Alp Cas	2.2250	4500.0	61	24318	No
260	GOM_NL__2PRFIN20061024_231737_000000302052_00216_24318_3168.N1	24-OCT-2006 23:17:37	Bright	30.000	76	27Gam Cas	2.3000	30000.	60	24318	No
261	GOM_NL__2PRFIN20061024_232535_000000312052_00216_24318_3169.N1	24-OCT-2006 23:25:35	Bright	30.500	49	1Alp UMi	1.9900	6300.0	61	24318	No
262	GOM_NL__2PRFIN20061024_232904_000000302052_00216_24318_3170.N1	24-OCT-2006 23:29:04	Bright	29.500	60	7Bet UMi	2.0810	3950.0	59	24318	No
263	GOM_NL__2PRFIN20061024_233349_000000312052_00216_24318_3171.N1	24-OCT-2006 23:33:49	Bright	31.000	36	50Alp UMa	1.8000	6300.0	62	24318	No
264	GOM_NL__2PRFIN20061024_233503_000000292052_00216_24318_3172.N1	24-OCT-2006 23:35:03	Bright	28.500	32	77Eps UMa	1.7630	11000.	57	24318	No
265	GOM_NL__2PRFIN20061024_233856_000000312052_00216_24318_3173.N1	24-OCT-2006 23:38:56	Bright	30.500	174	52Psi UMa	3.0040	4400.0	61	24318	No
266	GOM_NL__2PRFIN20061024_234559_000000312052_00216_24318_3174.N1	24-OCT-2006 23:45:59	Bright	30.500	96	68Del Leo	2.5600	9300.0	61	24318	No
267	GOM_NL__2PRFIN20061024_234713_000000282052_00216_24318_3175.N1	24-OCT-2006 23:47:13	Bright	27.500	62	94Bet Leo	2.1360	9700.0	55	24318	No

### 3. Quality information per product

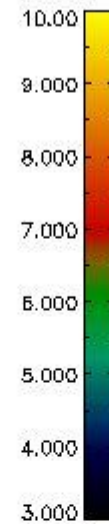
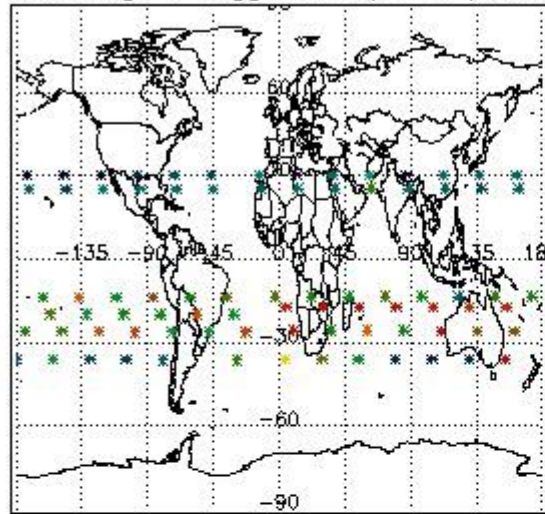
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

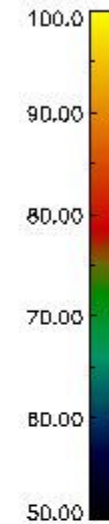
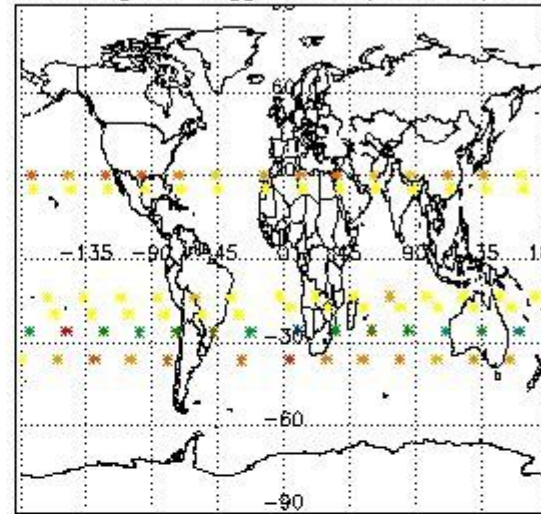


3.2 Plot quality information per product (world map)

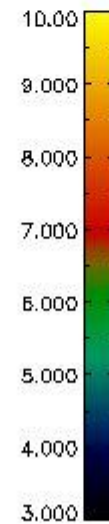
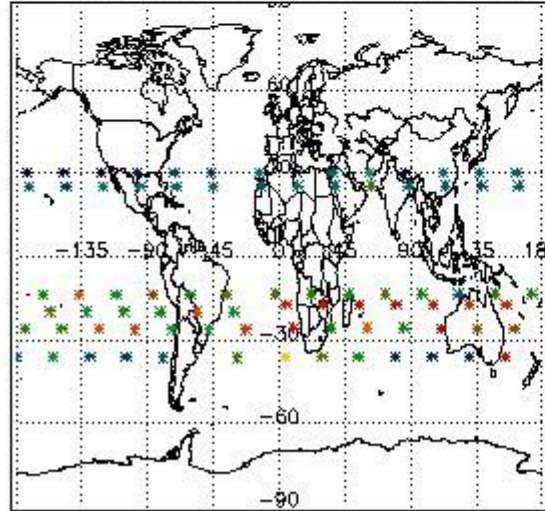
Percentage of flagged data per O3 profile



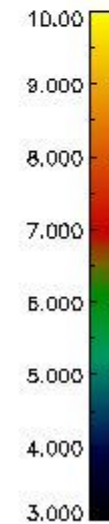
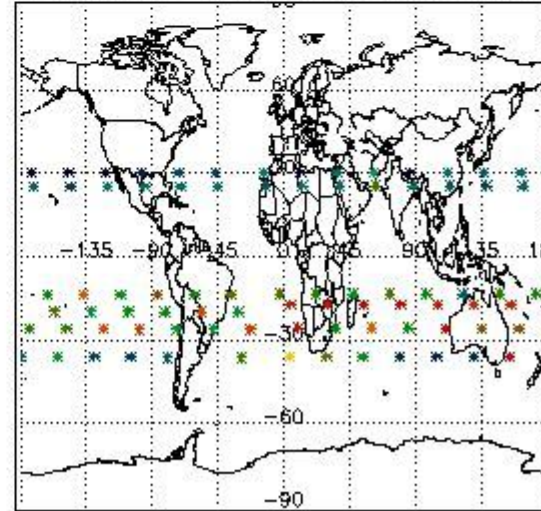
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile



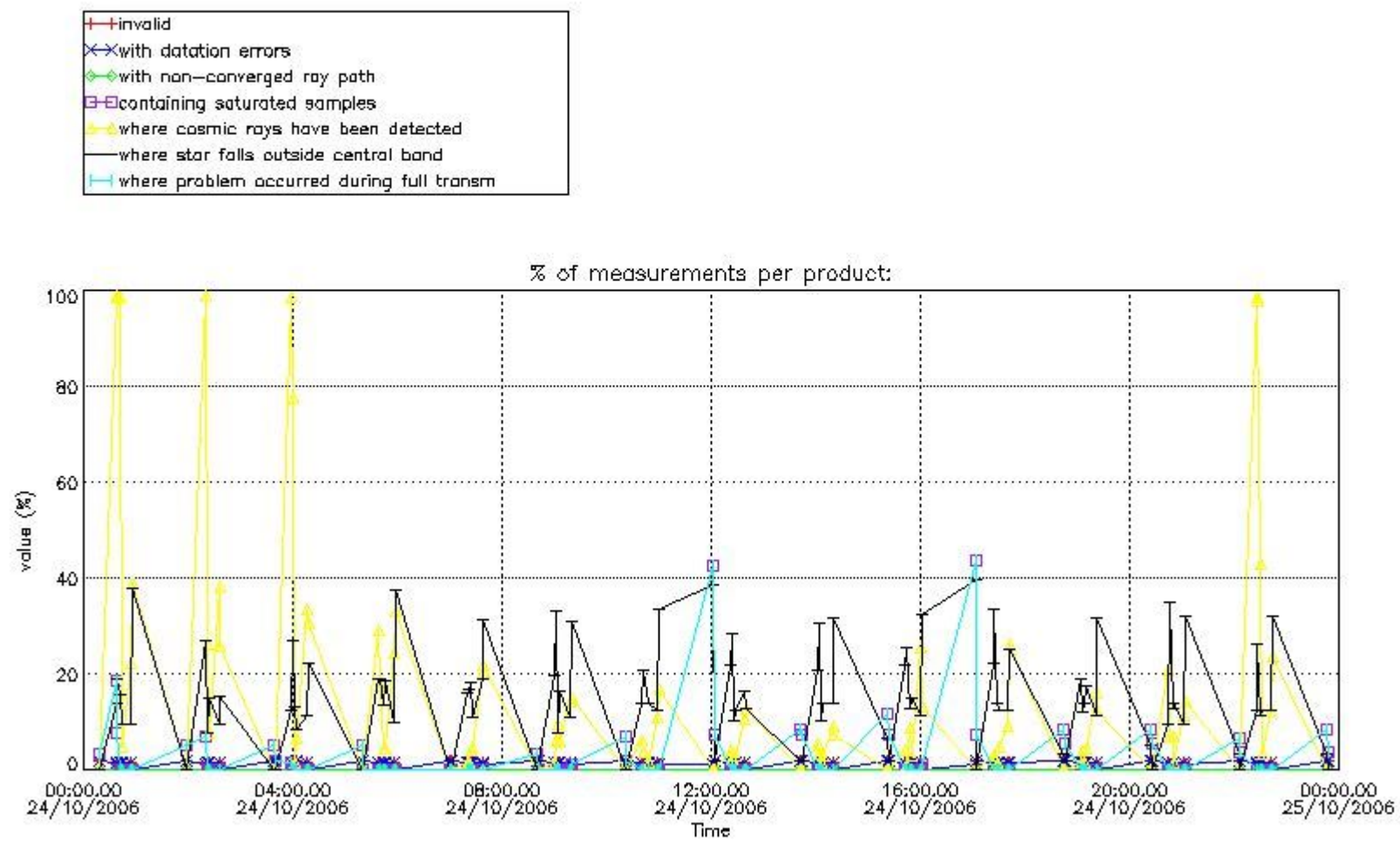
#### 4. Level 1 quality information per product

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.

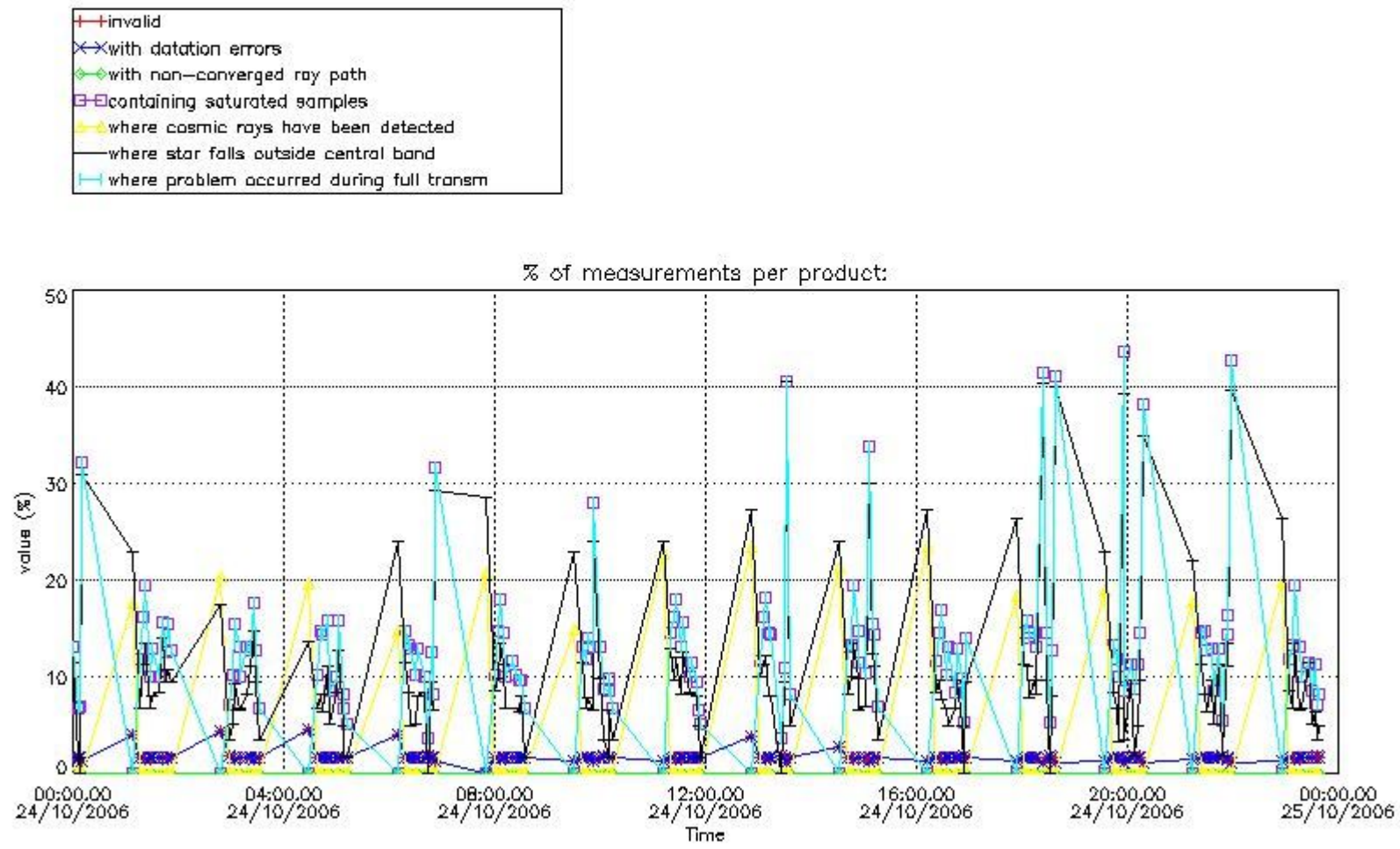
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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





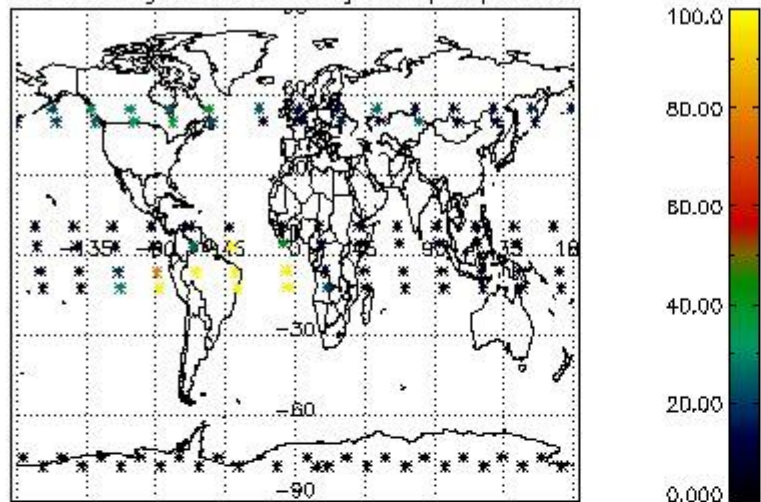
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



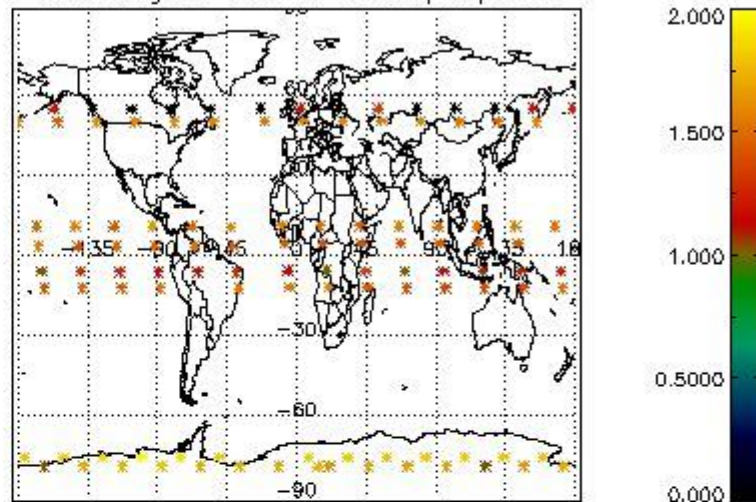
*4.2 Plot quality information per product coming from level 1b processing (world map)*

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

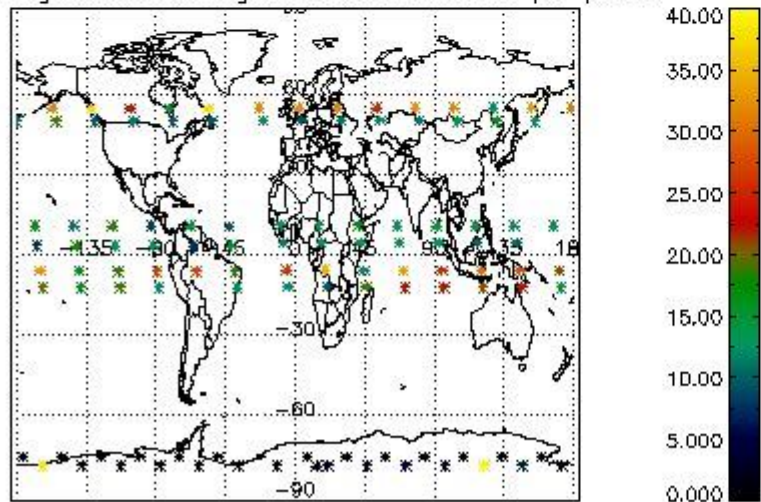
Percentage of cosmic ray hits per profile



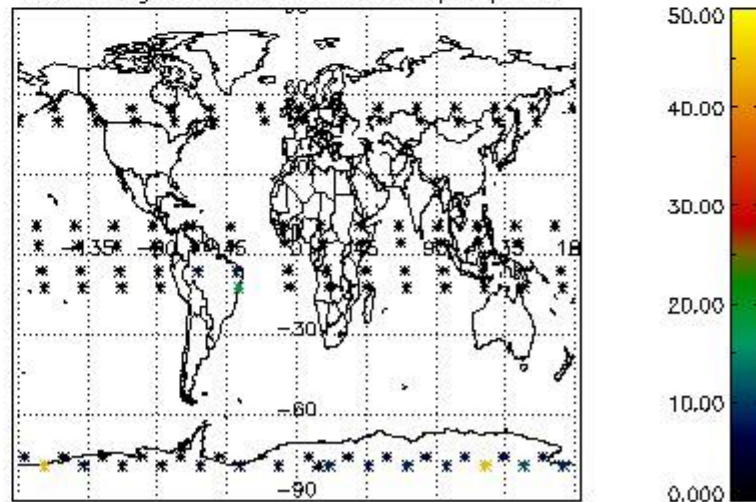
Percentage of datation errors per profile



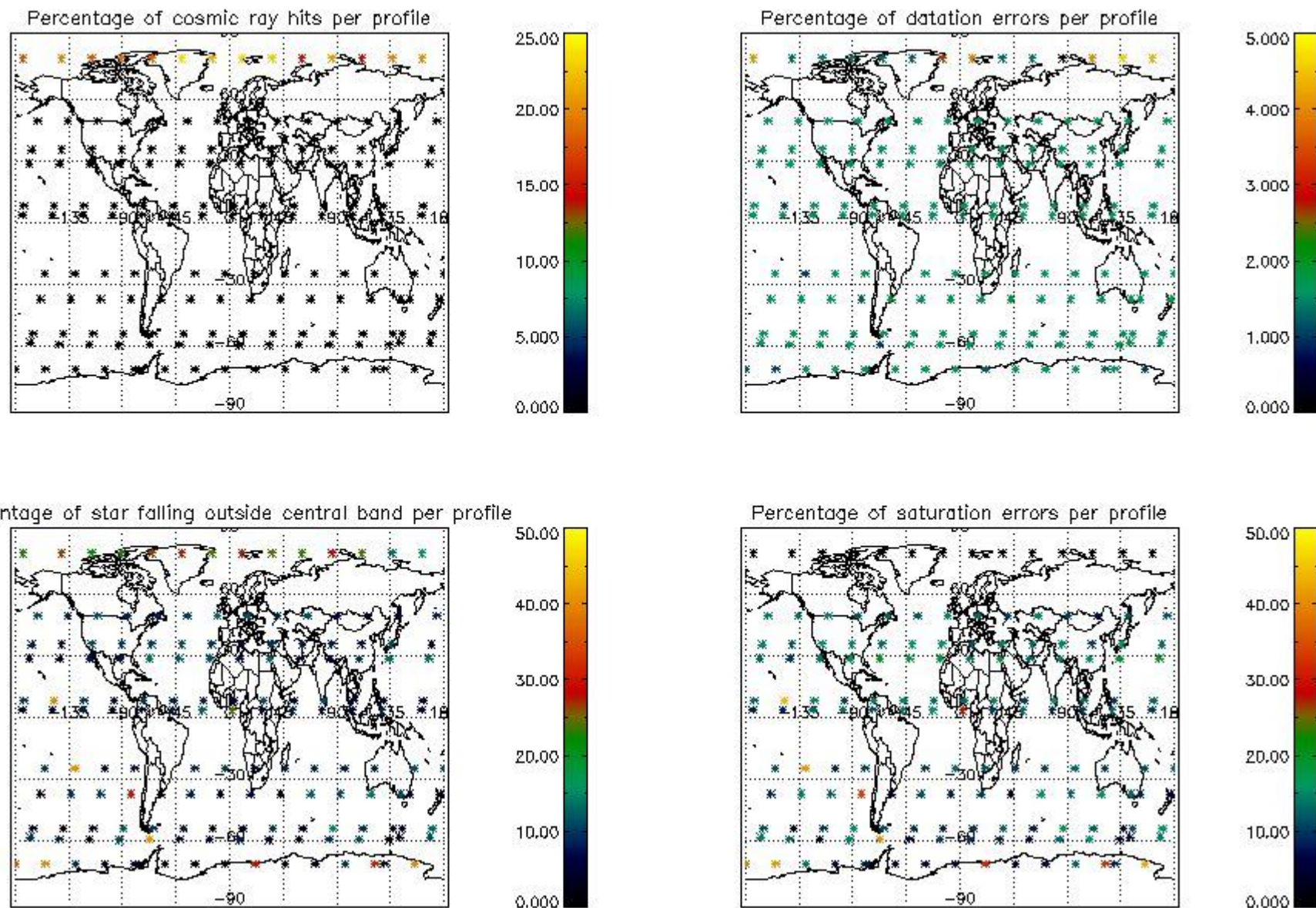
Percentage of star falling outside central band per profile



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

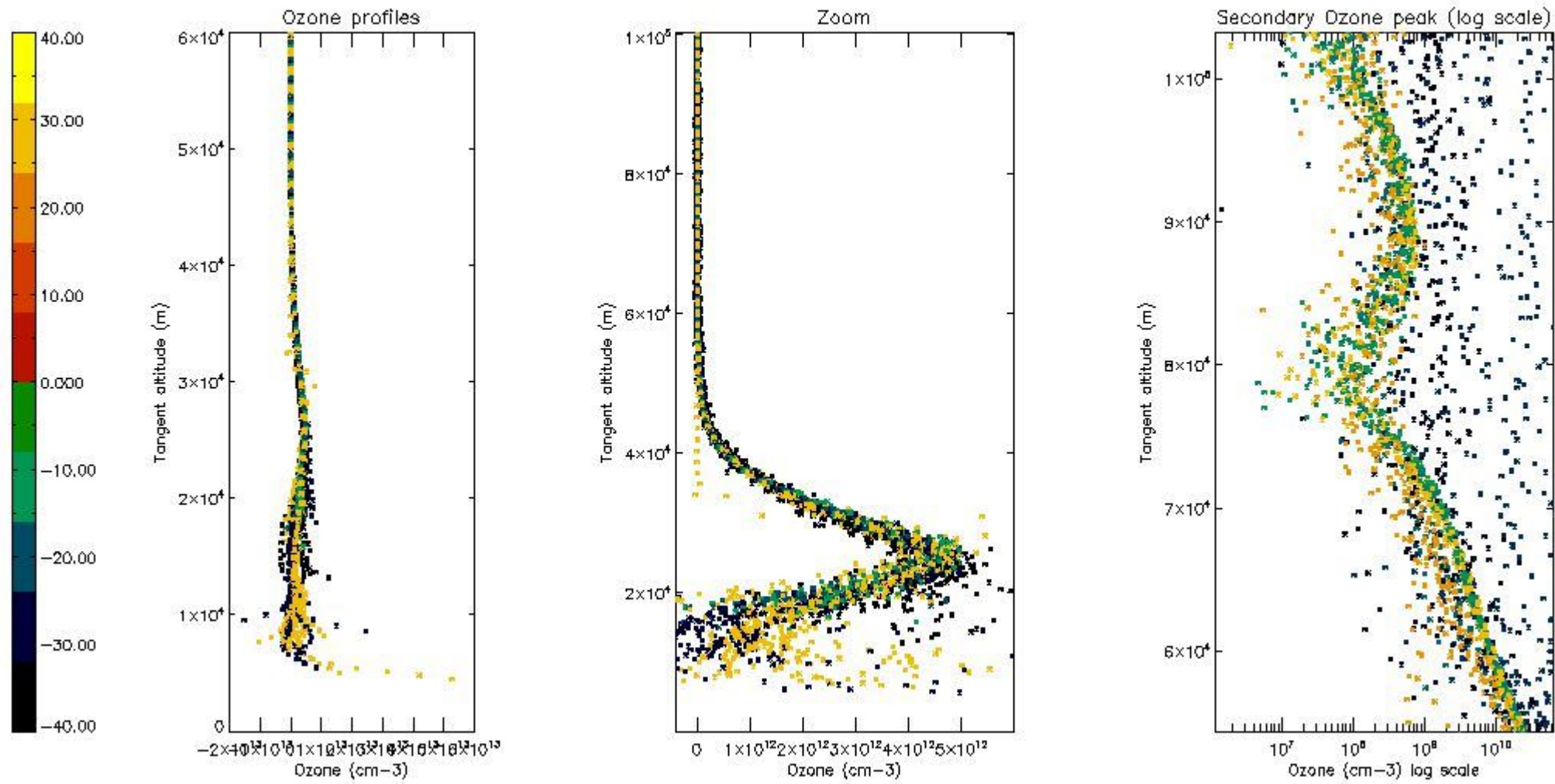
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	34
STD < 20	18

STD < 10	12
STD < 5	7

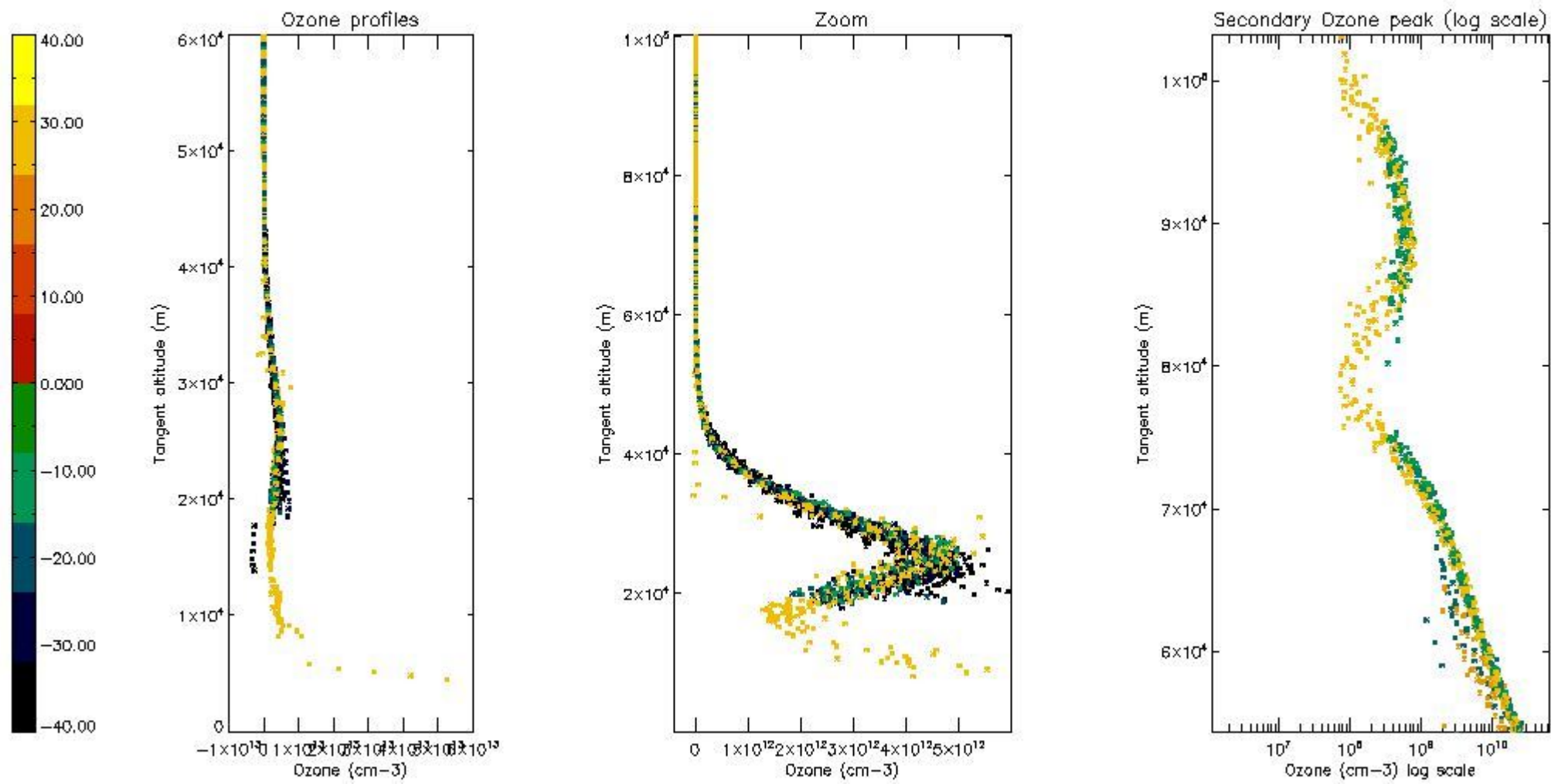
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



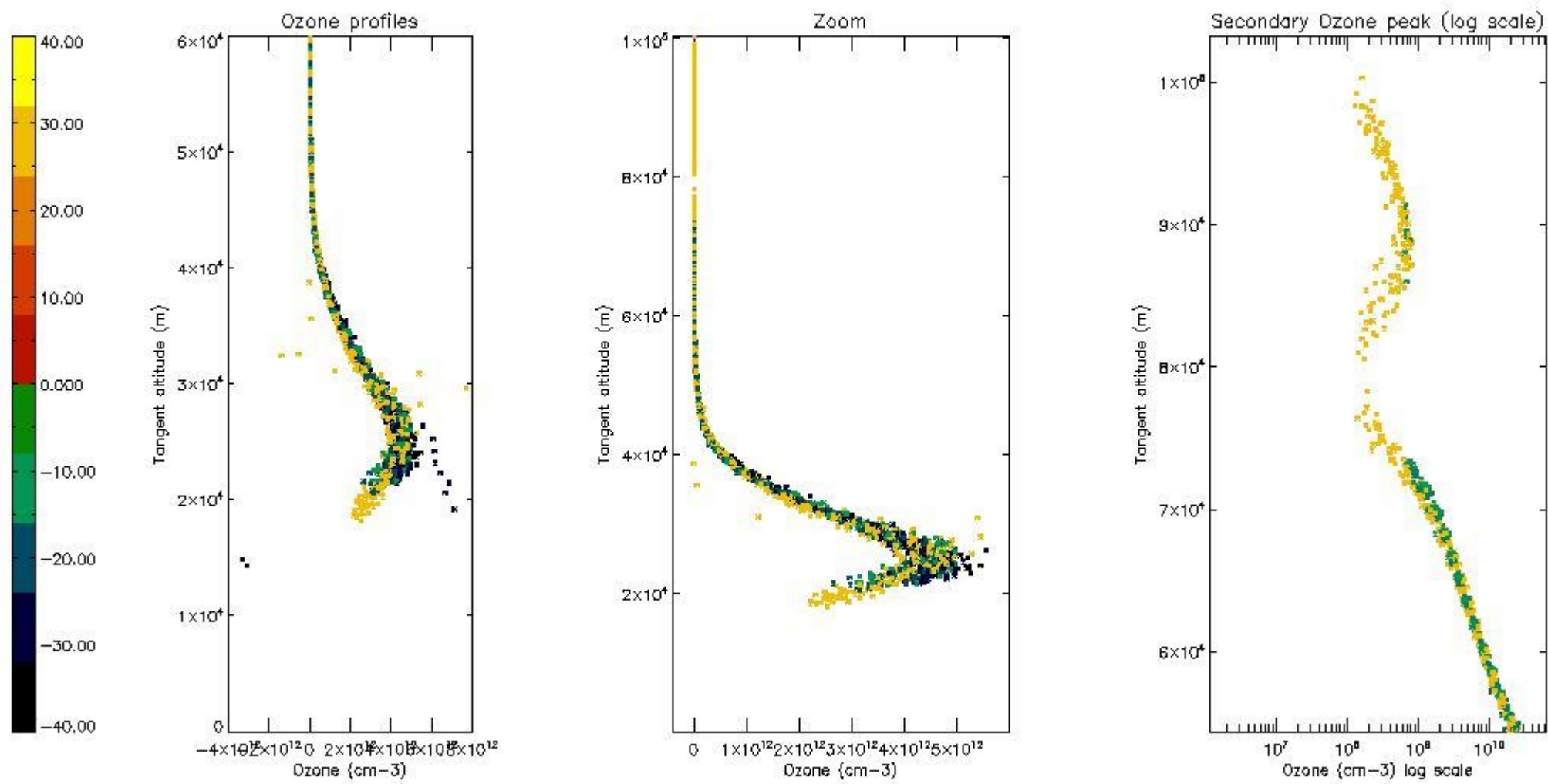
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



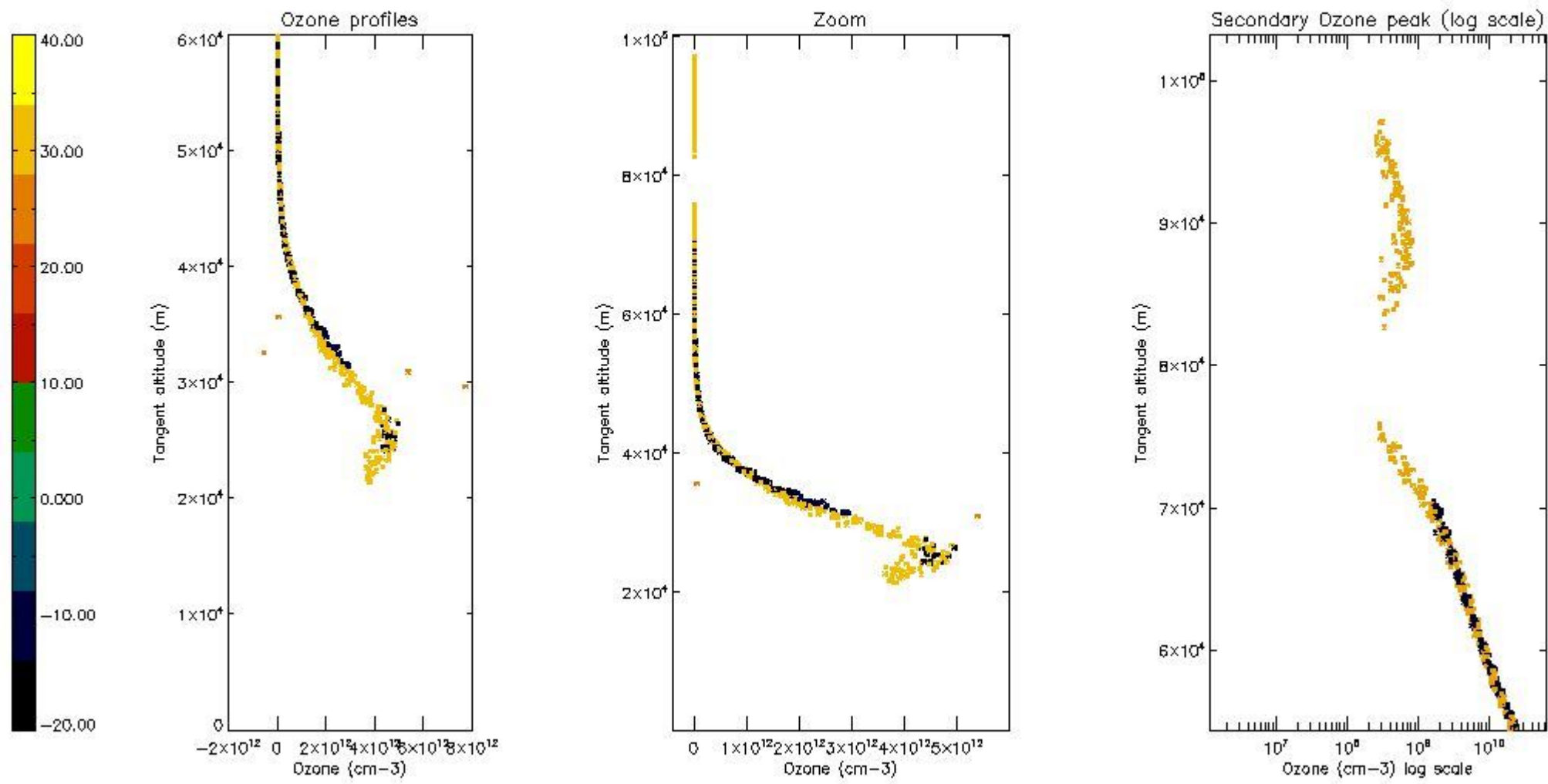
5.4 Plot ozone profiles where  $STD < 10\%$  (dark without errors)

The colorbar represents the latitude.



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

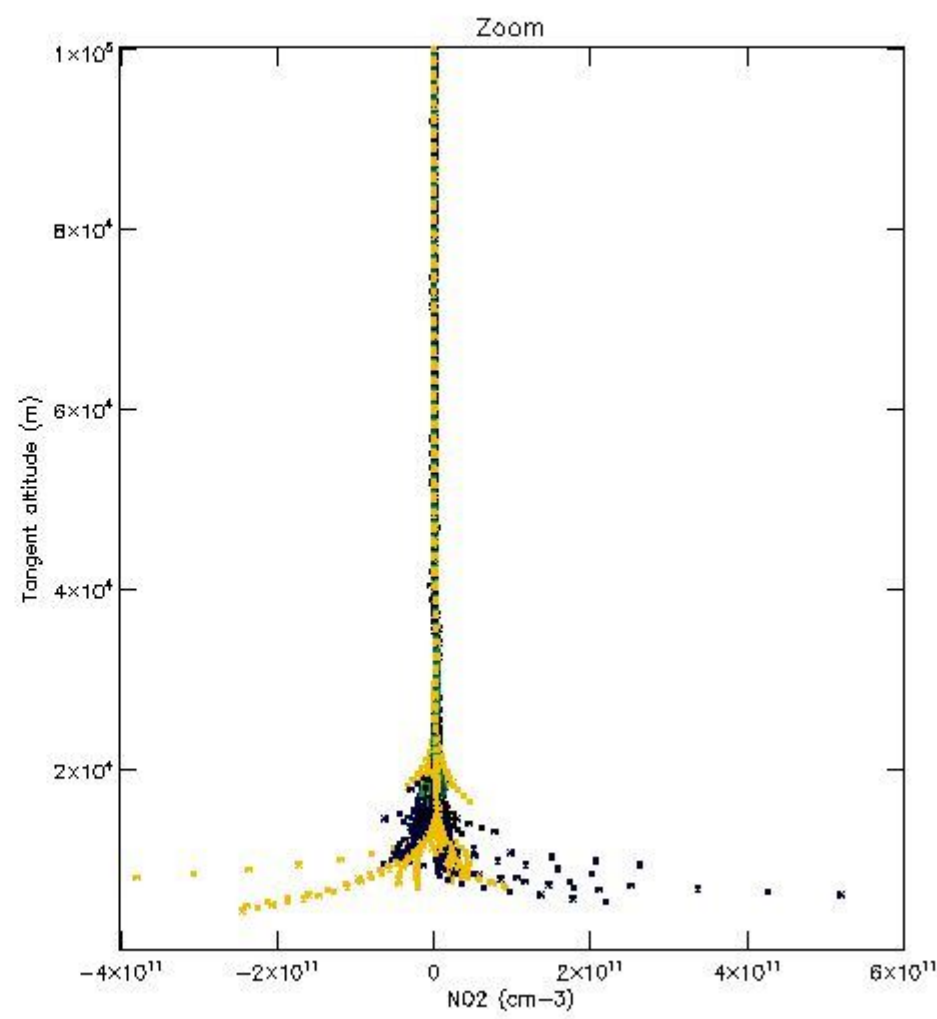
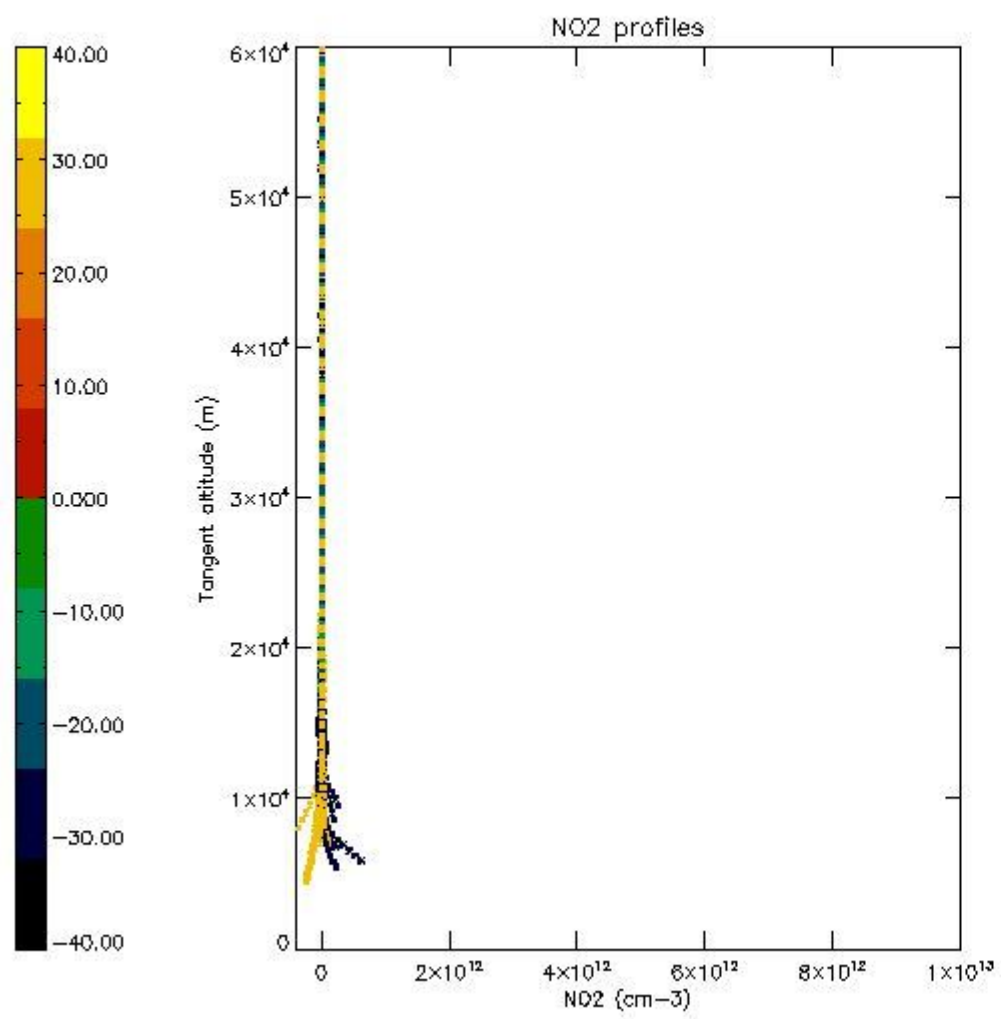
The colorbar represents the latitude.



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

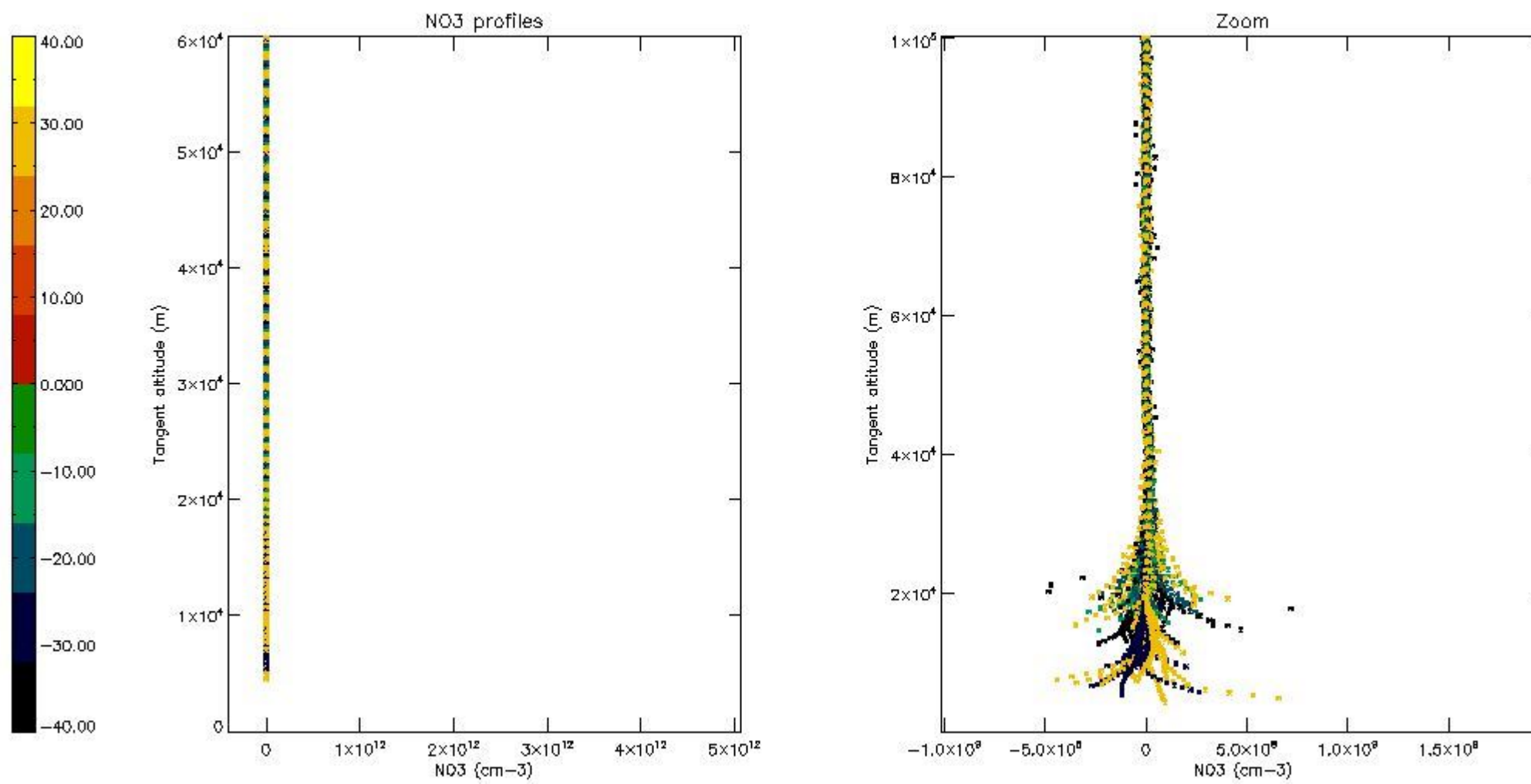
The colorbar represents the latitude.





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

The colorbar represents the latitude.



## 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	24-OCT-2006 00:00:39
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	24-OCT-2006 00:00:39
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	24-OCT-2006 00:00:39

# GOMOS Level 2 Daily Report

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

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

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

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#### [5.4. 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	24APR2013 05:15:13
Data source version	GOMOS/6.01
Start time of products	24-10-2006 (24OCT2006 00:00:00)
Stop time of products	25-10-2006 (25OCT2006 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	267
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__2PRFIN20061024_000039_000000312052_00202_24304_3106.N1	24-OCT-2006 00:00:39	Bright	30.500	60	7Bet UMi	2.0810	3950.0	61	24304	No
2	GOM_NL__2PRFIN20061024_000526_000000302052_00202_24304_3107.N1	24-OCT-2006 00:05:26	Bright	30.000	36	50Alp UMa	1.8000	6300.0	60	24304	No
3	GOM_NL__2PRFIN20061024_000702_000000292052_00202_24304_3108.N1	24-OCT-2006 00:07:02	Bright	29.000	82	48Bet UMa	2.3650	10600.	58	24304	No
4	GOM_NL__2PRFIN20061024_001033_000000412052_00202_24304_3109.N1	24-OCT-2006 00:10:33	Bright	40.500	174	52Psi UMa	3.0040	4400.0	81	24304	No
5	GOM_NL__2PRFIN20061024_001733_000000292052_00202_24304_3110.N1	24-OCT-2006 00:17:33	Bright	29.000	96	68Del Leo	2.5600	9300.0	58	24304	No
6	GOM_NL__2PRFIN20061024_003709_000000332052_00202_24304_3111.N1	24-OCT-2006 00:37:09	Dark	32.500	113	Mu Vel	2.6920	5000.0	65	24304	No
7	GOM_NL__2PRFIN20061024_003850_000000402052_00202_24304_3112.N1	24-OCT-2006 00:38:50	Dark	40.000	65	Lam Vel	2.2040	4400.0	80	24304	No
8	GOM_NL__2PRFIN20061024_004131_000000352052_00203_24305_3249.N1	24-OCT-2006 00:41:31	Dark	35.000	71	lot Car	2.2460	7700.0	70	24305	No
9	GOM_NL__2PRFIN20061024_004336_000000322052_00203_24305_3250.N1	24-OCT-2006 00:43:36	Dark	31.500	29	Bet Car	1.6720	10200.	63	24305	No
10	GOM_NL__2PRFIN20061024_005438_000000322052_00203_24305_3251.N1	24-OCT-2006 00:54:38	Dark	31.500	143	Alp Hyi	2.8570	7200.0	63	24305	No
11	GOM_NL__2PRFIN20061024_005603_000000452052_00203_24305_3252.N1	24-OCT-2006 00:56:03	Dark	45.000	9	Alp Eri	0.45300	24000.	90	24305	No
12	GOM_NL__2PRFIN20061024_010728_000000372052_00203_24305_3253.N1	24-OCT-2006 01:07:28	Straylight	37.000	52	16Bet Cet	2.0370	4500.0	74	24305	No
13	GOM_NL__2PRFIN20061024_011657_000000302052_00203_24305_3254.N1	24-OCT-2006 01:16:57	Bright	29.500	140	88Gam Peg	2.8340	26000.	59	24305	No
14	GOM_NL__2PRFIN20061024_012051_000000312052_00203_24305_3255.N1	24-OCT-2006 01:20:51	Bright	31.000	58	21Alp And	2.0730	11000.	62	24305	No
15	GOM_NL__2PRFIN20061024_012250_000000342052_00203_24305_3256.N1	24-OCT-2006 01:22:50	Bright	33.500	53	43Bet And	2.0480	3300.0	67	24305	No
16	GOM_NL__2PRFIN20061024_012834_000000302052_00203_24305_3257.N1	24-OCT-2006 01:28:34	Bright	30.000	68	18Alp Cas	2.2250	4500.0	60	24305	No
17	GOM_NL__2PRFIN20061024_012951_000000312052_00203_24305_3258.N1	24-OCT-2006 01:29:51	Bright	31.000	76	27Gam Cas	2.3000	30000.	62	24305	No
18	GOM_NL__2PRFIN20061024_013748_000000302052_00203_24305_3259.N1	24-OCT-2006 01:37:48	Bright	30.000	49	1Alp UMi	1.9900	6300.0	60	24305	No
19	GOM_NL__2PRFIN20061024_014115_000000322052_00203_24305_3260.N1	24-OCT-2006 01:41:15	Bright	32.000	60	7Bet UMi	2.0810	3950.0	64	24305	No
20	GOM_NL__2PRFIN20061024_014602_000000322052_00203_24305_3261.N1	24-OCT-2006 01:46:02	Bright	32.000	36	50Alp UMa	1.8000	6300.0	64	24305	No
21	GOM_NL__2PRFIN20061024_014737_000000332052_00203_24305_3262.N1	24-OCT-2006 01:47:37	Bright	32.500	82	48Bet UMa	2.3650	10600.	65	24305	No
22	GOM_NL__2PRFIN20061024_015109_000000322052_00203_24305_3263.N1	24-OCT-2006 01:51:09	Bright	31.500	174	52Psi UMa	3.0040	4400.0	63	24305	No
23	GOM_NL__2PRFIN20061024_015809_000000302052_00203_24305_3264.N1	24-OCT-2006 01:58:09	Bright	29.500	96	68Del Leo	2.5600	9300.0	59	24305	No
24	GOM_NL__2PRFIN20061024_021927_000000452052_00203_24305_3265.N1	24-OCT-2006 02:19:27	Dark	44.500	65	Lam Vel	2.2040	4400.0	89	24305	No
25	GOM_NL__2PRFIN20061024_022207_000000332052_00204_24306_3099.N1	24-OCT-2006 02:22:07	Dark	32.500	71	lot Car	2.2460	7700.0	65	24306	No
26	GOM_NL__2PRFIN20061024_022412_000000342052_00204_24306_3100.N1	24-OCT-2006 02:24:12	Dark	33.500	29	Bet Car	1.6720	10200.	67	24306	No
27	GOM_NL__2PRFIN20061024_023514_000000322052_00204_24306_3101.N1	24-OCT-2006 02:35:14	Dark	31.500	143	Alp Hyi	2.8570	7200.0	63	24306	No
28	GOM_NL__2PRFIN20061024_023639_000000332052_00204_24306_3102.N1	24-OCT-2006 02:36:39	Dark	33.000	9	Alp Eri	0.45300	24000.	66	24306	No
29	GOM_NL__2PRFIN20061024_024804_000000352052_00204_24306_3103.N1	24-OCT-2006 02:48:04	Straylight	34.500	52	16Bet Cet	2.0370	4500.0	69	24306	No
30	GOM_NL__2PRFIN20061024_025733_000000292052_00204_24306_3104.N1	24-OCT-2006 02:57:33	Bright	28.500	140	88Gam Peg	2.8340	26000.	57	24306	No
31	GOM_NL__2PRFIN20061024_030127_000000302052_00204_24306_3105.N1	24-OCT-2006 03:01:27	Bright	29.500	58	21Alp And	2.0730	11000.	59	24306	No
32	GOM_NL__2PRFIN20061024_030325_000000332052_00204_24306_3106.N1	24-OCT-2006 03:03:25	Bright	32.500	53	43Bet And	2.0480	3300.0	65	24306	No
33	GOM_NL__2PRFIN20061024_030910_000000312052_00204_24306_3107.N1	24-OCT-2006 03:09:10	Bright	30.500	68	18Alp Cas	2.2250	4500.0	61	24306	No
34	GOM_NL__2PRFIN20061024_031027_000000302052_00204_24306_3108.N1	24-OCT-2006 03:10:27	Bright	30.000	76	27Gam Cas	2.3000	30000.	60	24306	No
35	GOM_NL__2PRFIN20061024_031823_000000312052_00204_24306_3109.N1	24-OCT-2006 03:18:23	Bright	30.500	49	1Alp UMi	1.9900	6300.0	61	24306	No
36	GOM_NL__2PRFIN20061024_032150_000000322052_00204_24306_3110.N1	24-OCT-2006 03:21:50	Bright	31.500	60	7Bet UMi	2.0810	3950.0	63	24306	No
37	GOM_NL__2PRFIN20061024_032638_000000342052_00204_24306_3111.N1	24-OCT-2006 03:26:38	Bright	34.000	36	50Alp UMa	1.8000	6300.0	68	24306	No
38	GOM_NL__2PRFIN20061024_032813_000000322052_00204_24306_3112.N1	24-OCT-2006 03:28:13	Bright	31.500	82	48Bet UMa	2.3650	10600.	63	24306	No
39	GOM_NL__2PRFIN20061024_033144_000000302052_00204_24306_3113.N1	24-OCT-2006 03:31:44	Bright	29.500	174	52Psi UMa	3.0040	4400.0	59	24306	No
40	GOM_NL__2PRFIN20061024_033845_000000302052_00204_24306_3114.N1	24-OCT-2006 03:38:45	Bright	29.500	96	68Del Leo	2.5600	9300.0	59	24306	No
41	GOM_NL__2PRFIN20061024_033959_000000282052_00204_24306_3115.N1	24-OCT-2006 03:39:59	Bright	27.500	62	94Bet Leo	2.1360	9700.0	55	24306	No
42	GOM_NL__2PRFIN20061024_035822_000000332052_00204_24306_3116.N1	24-OCT-2006 03:58:22	Dark	32.500	113	Mu Vel	2.6920	5000.0	65	24306	No

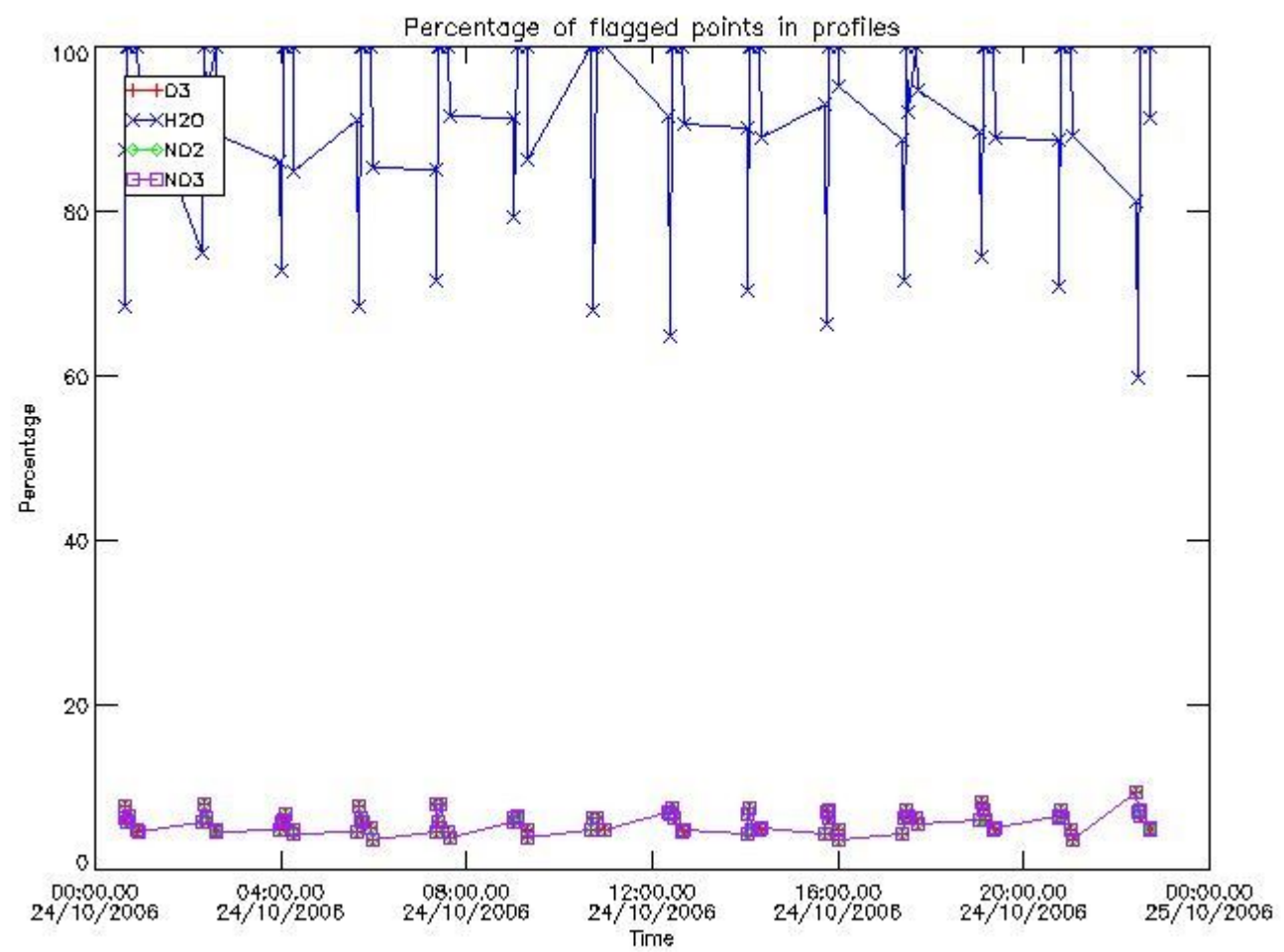






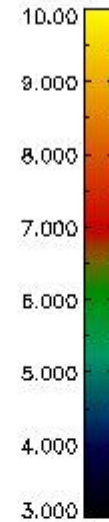
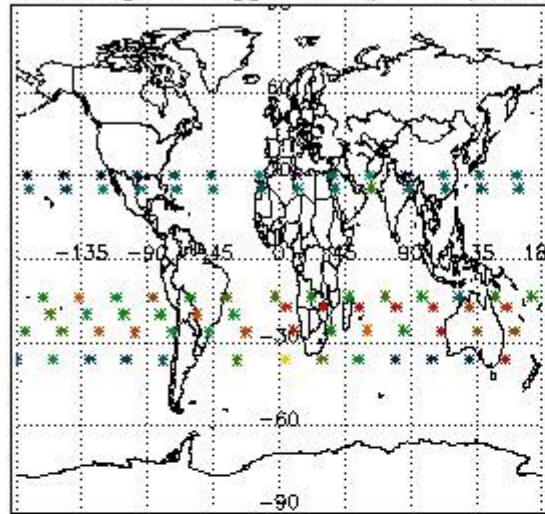




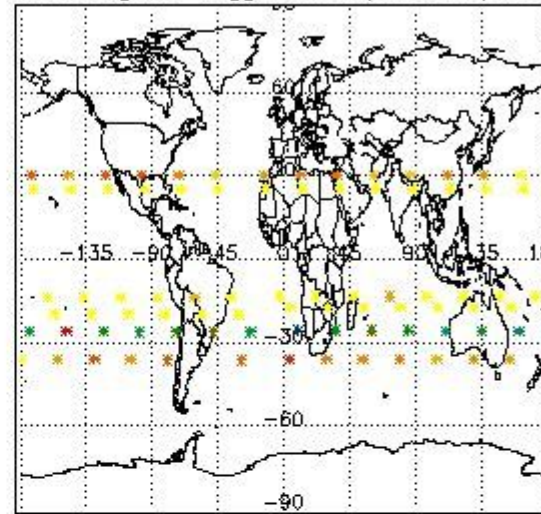


3.2 Plot quality information per product (world map)

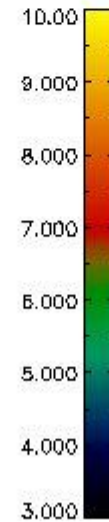
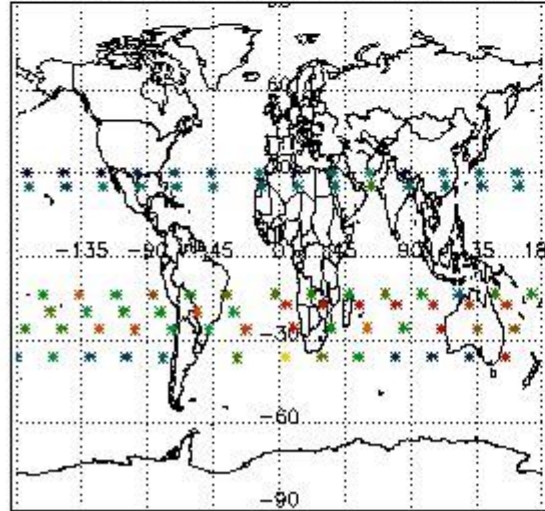
Percentage of flagged data per O3 profile



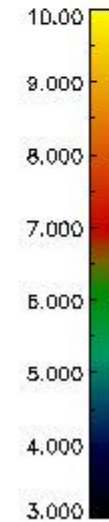
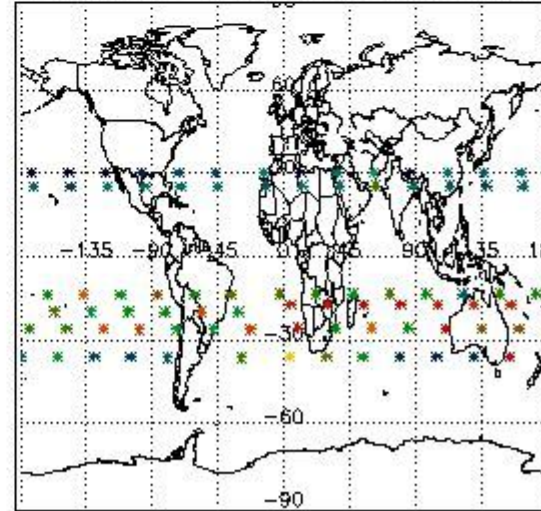
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

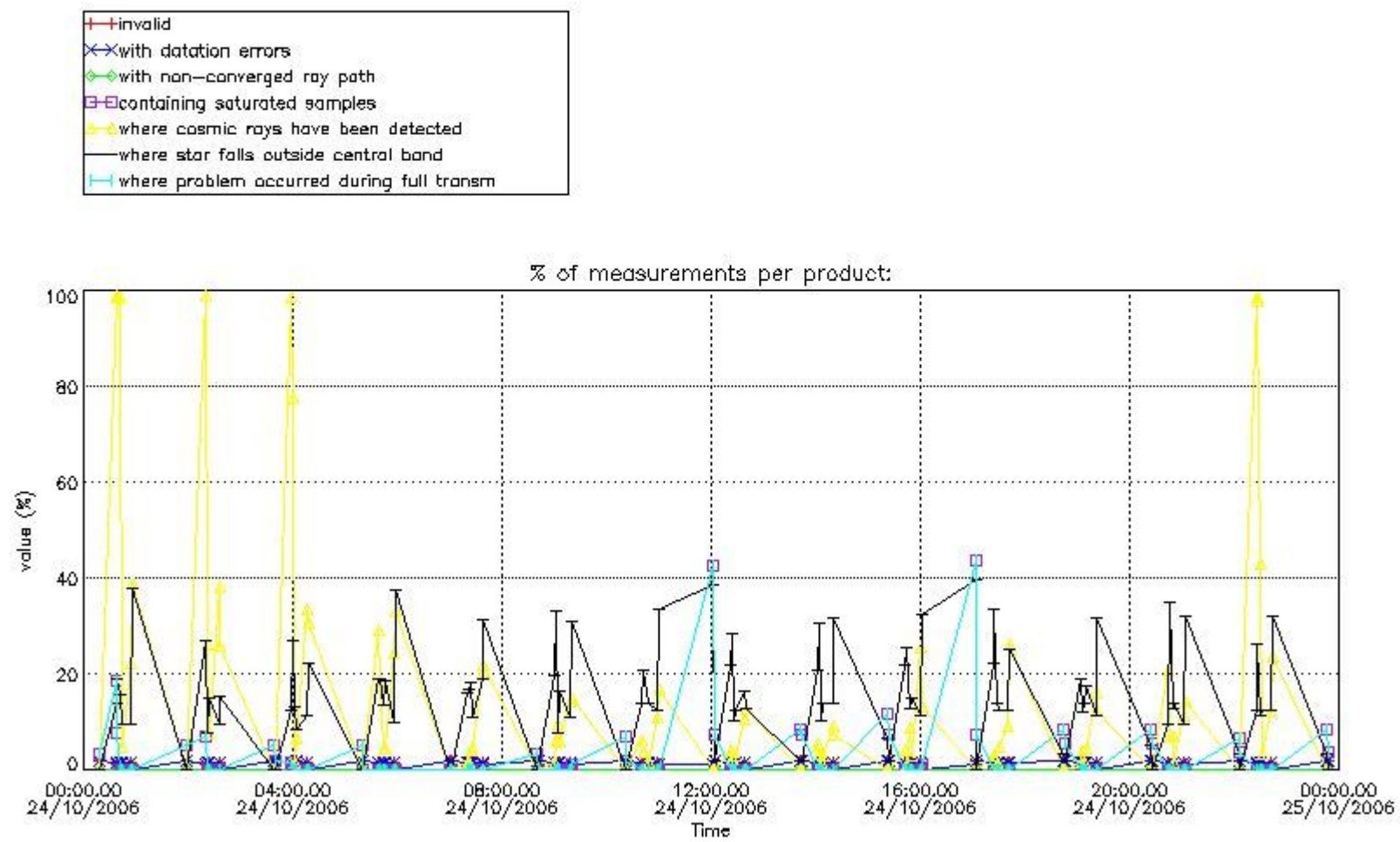


#### 4. Level 1 quality information per product

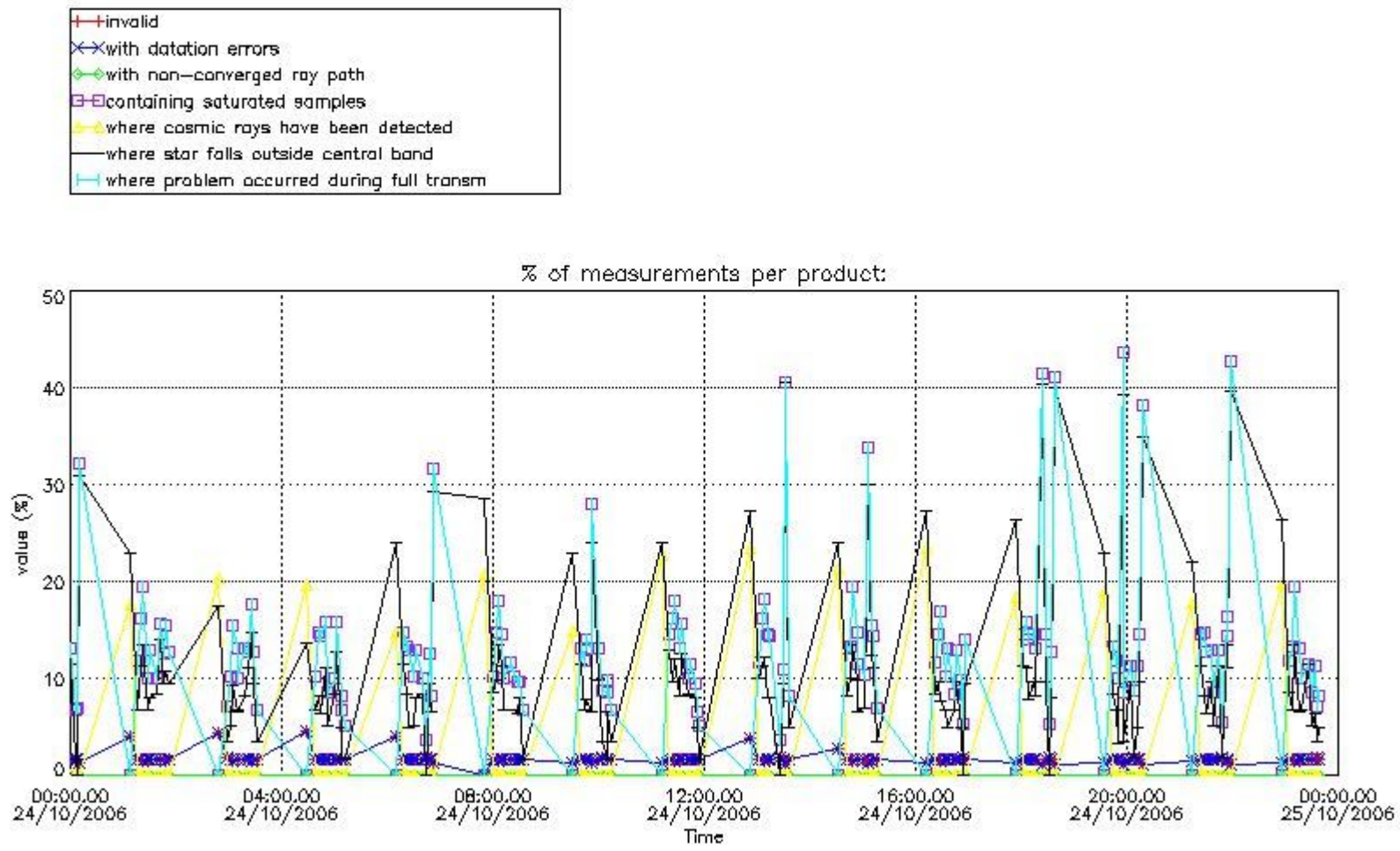
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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



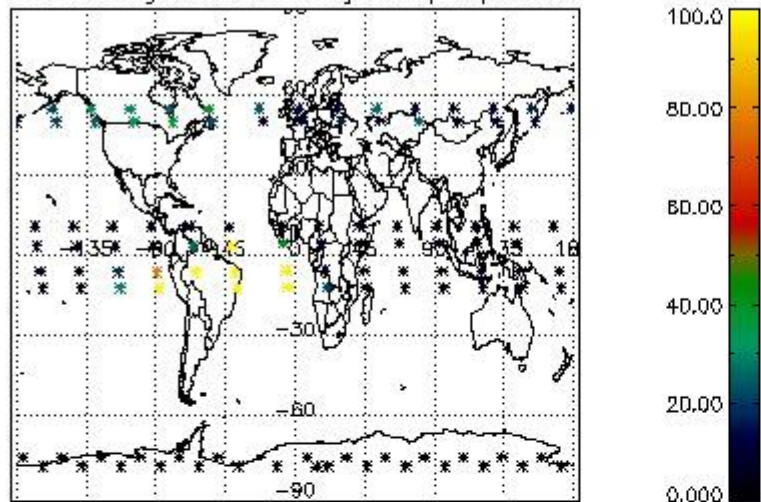
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



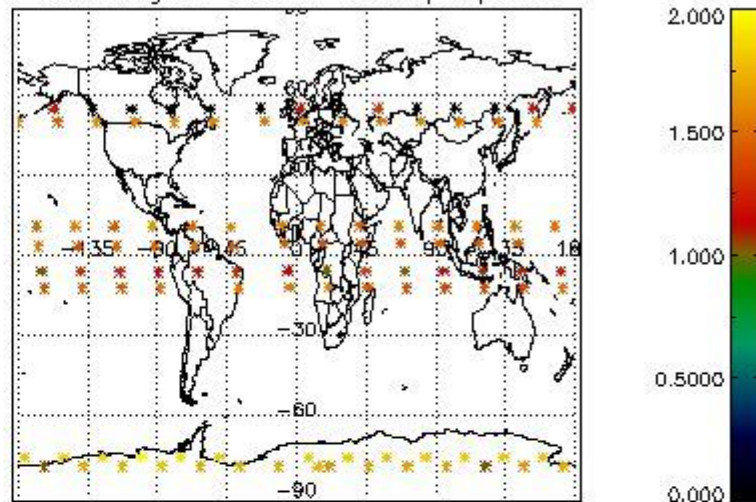
*4.2 Plot quality information per product coming from level 1b processing (world map)*

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

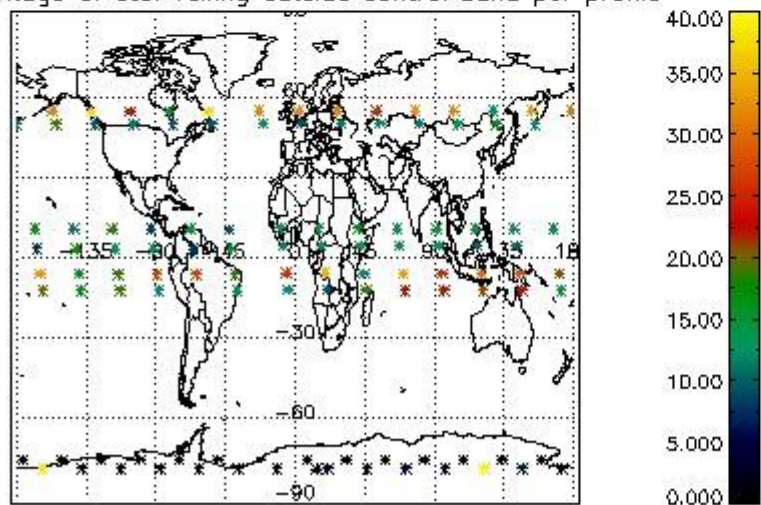
Percentage of cosmic ray hits per profile



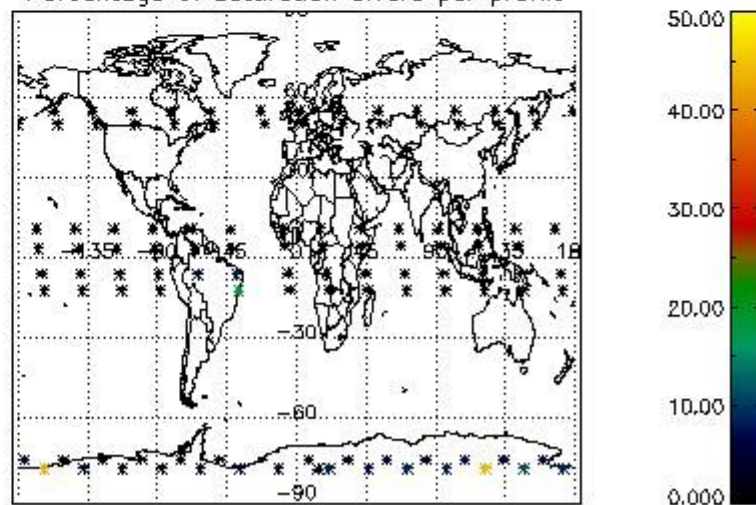
Percentage of datation errors per profile



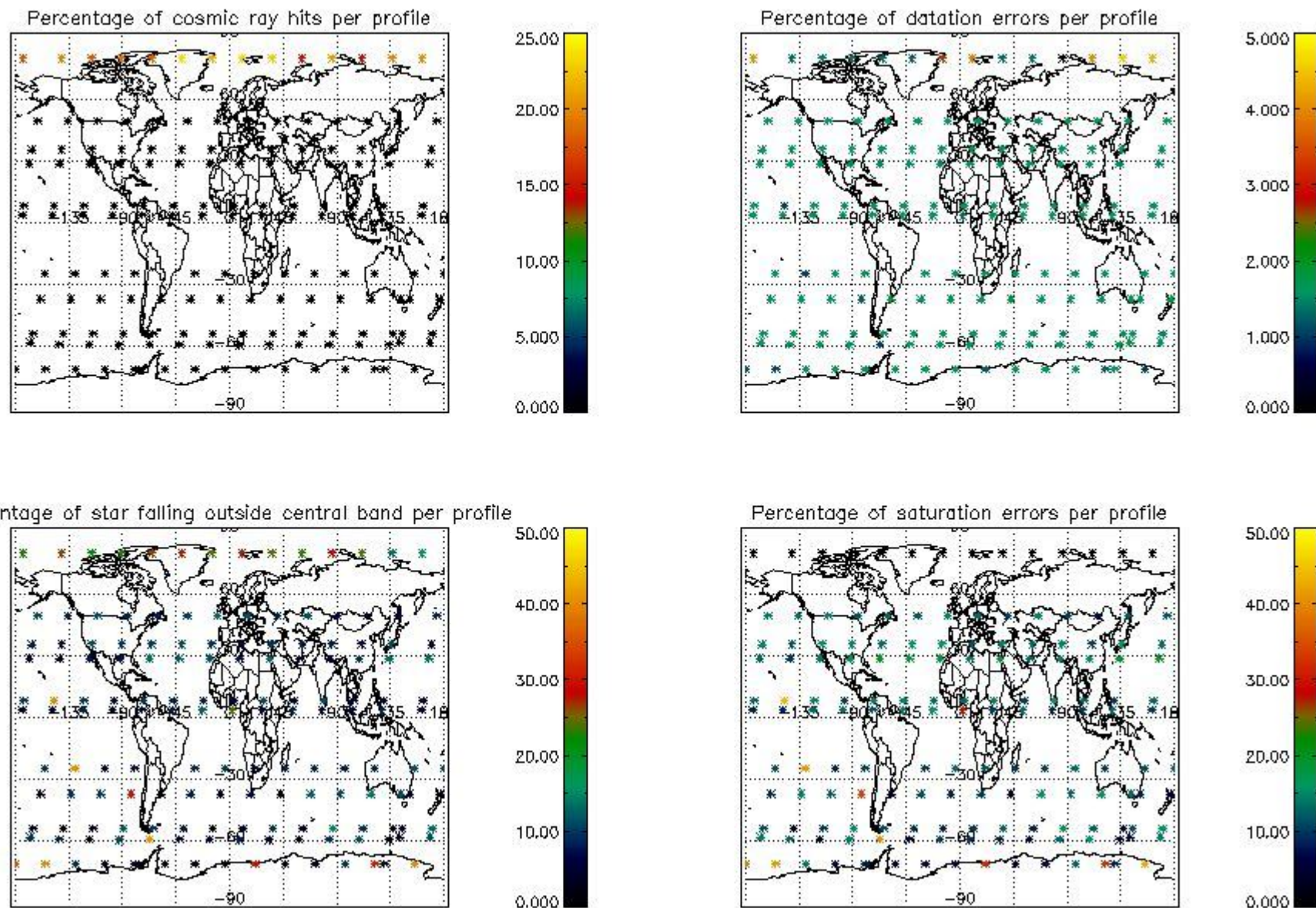
Percentage of star falling outside central band per profile



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

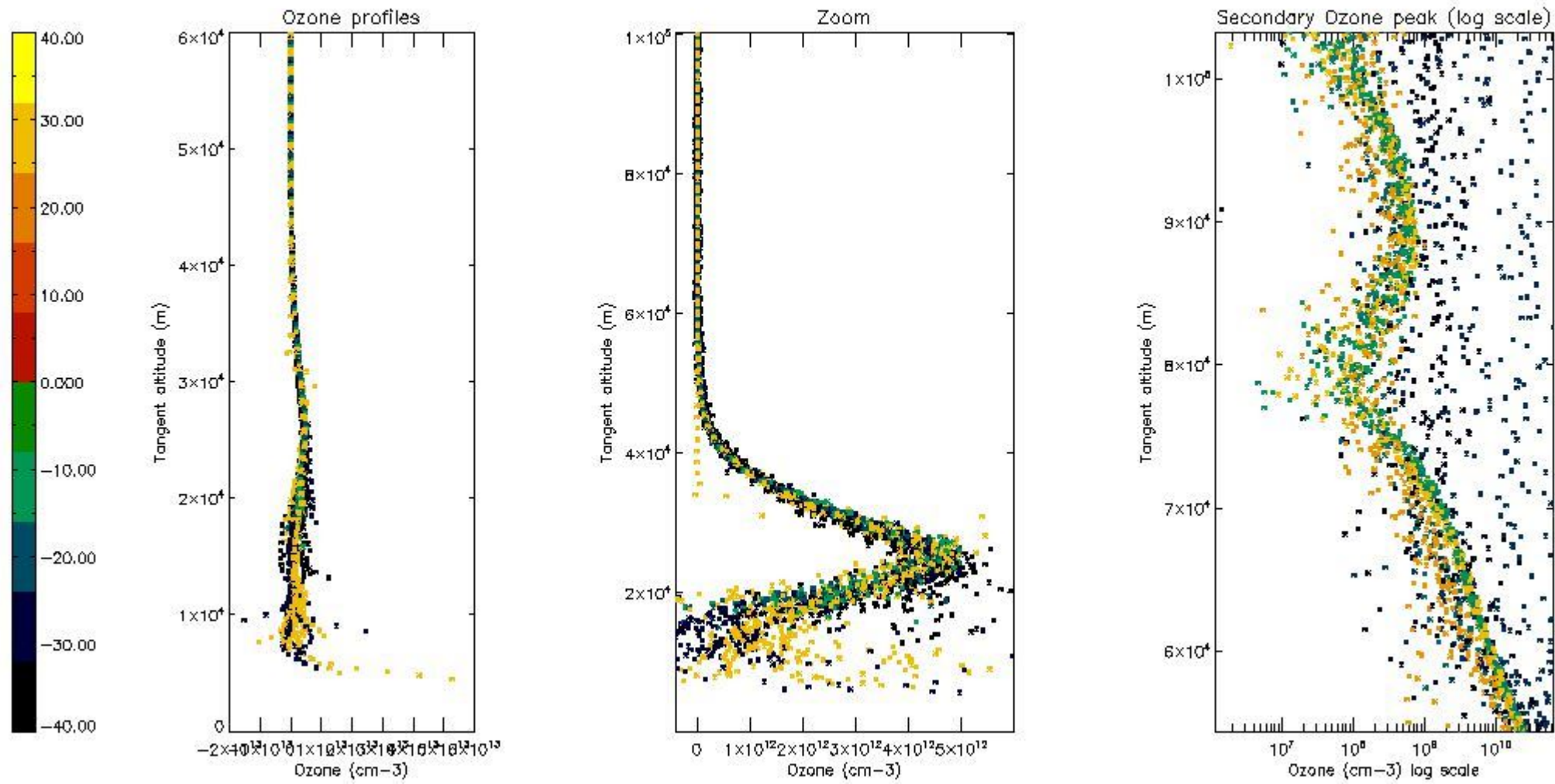
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	34
STD < 20	18

STD < 10	12
STD < 5	7

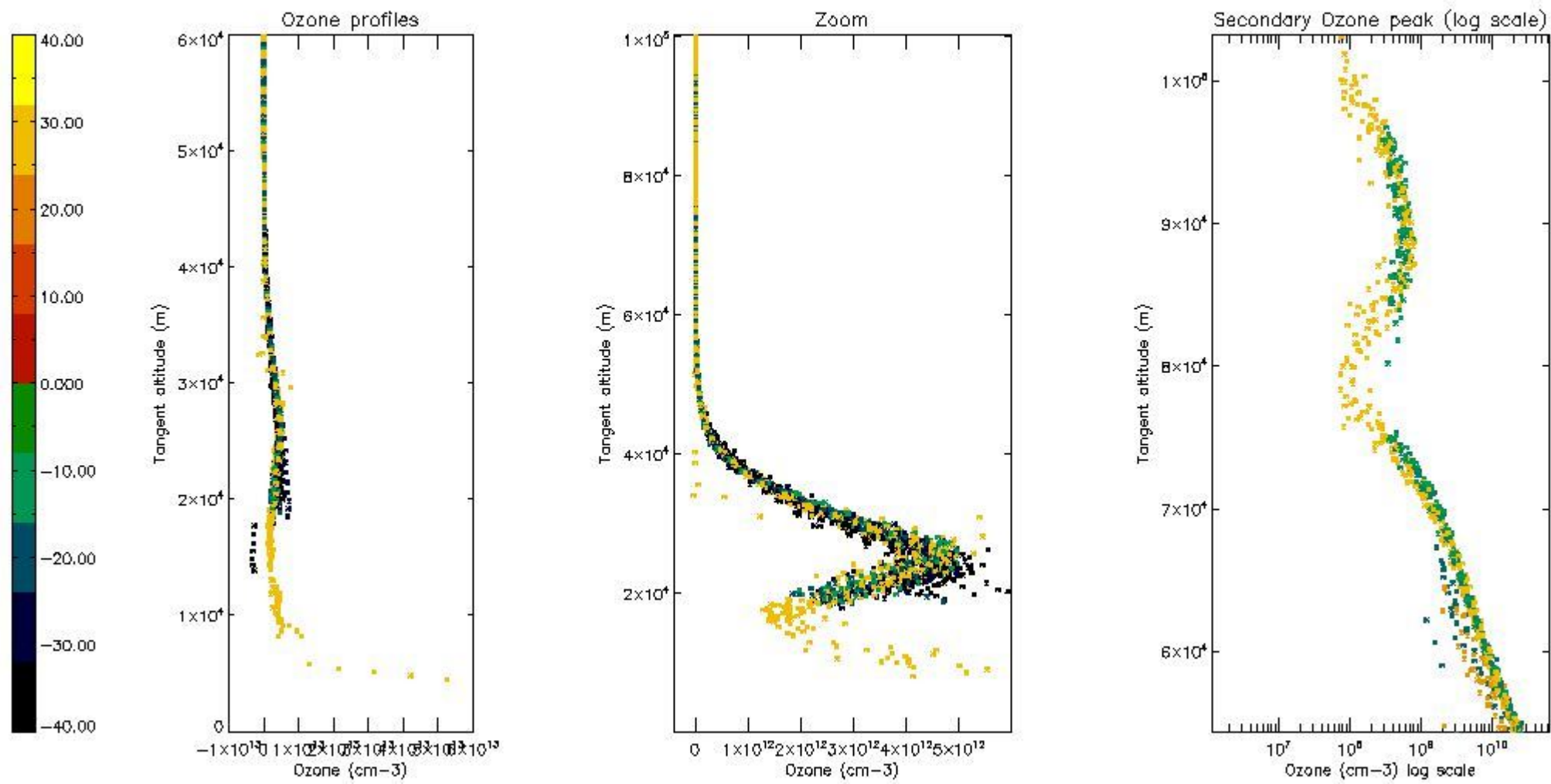
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

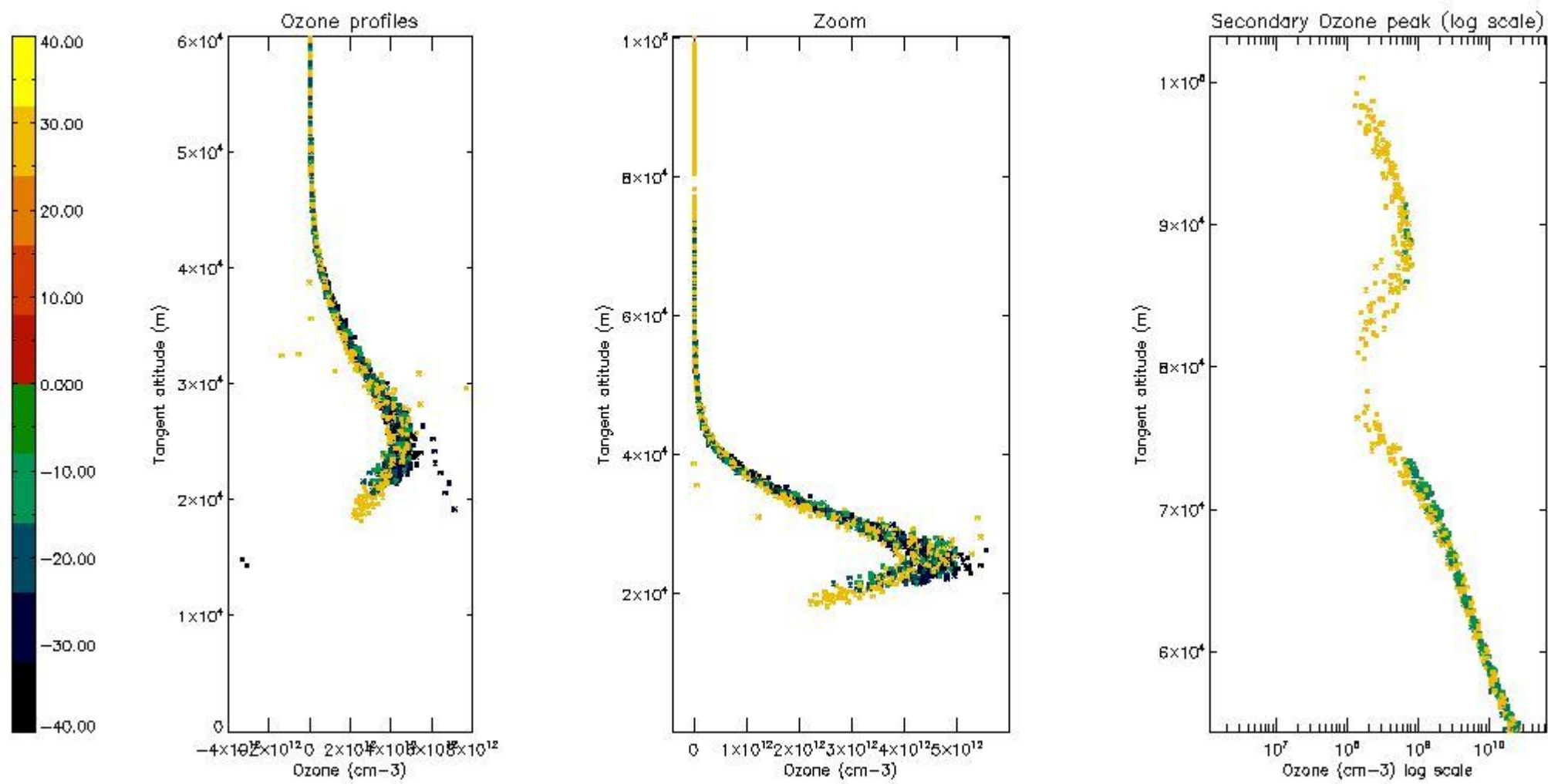
The colorbar represents the latitude.



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

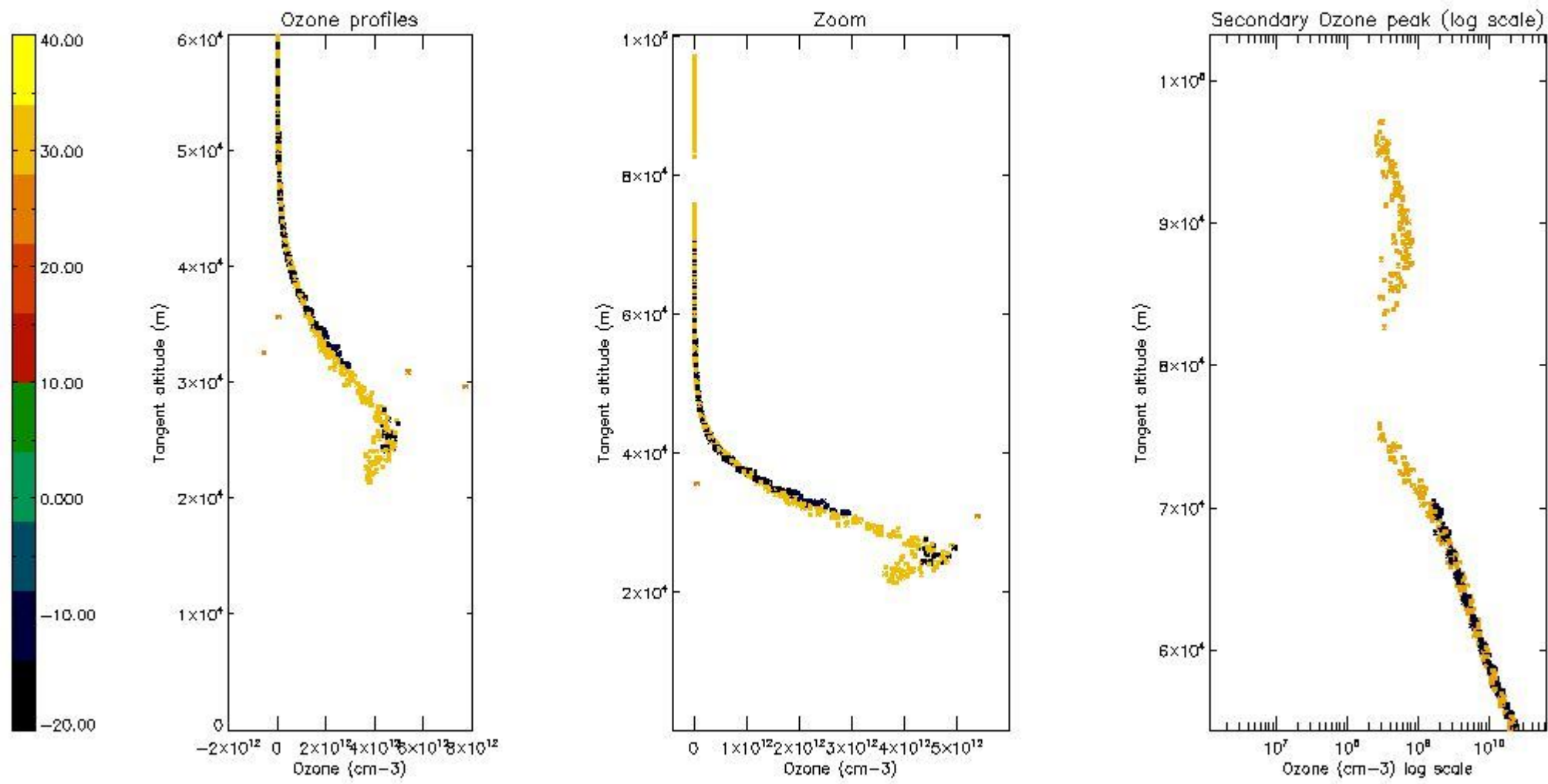
The colorbar represents the latitude.





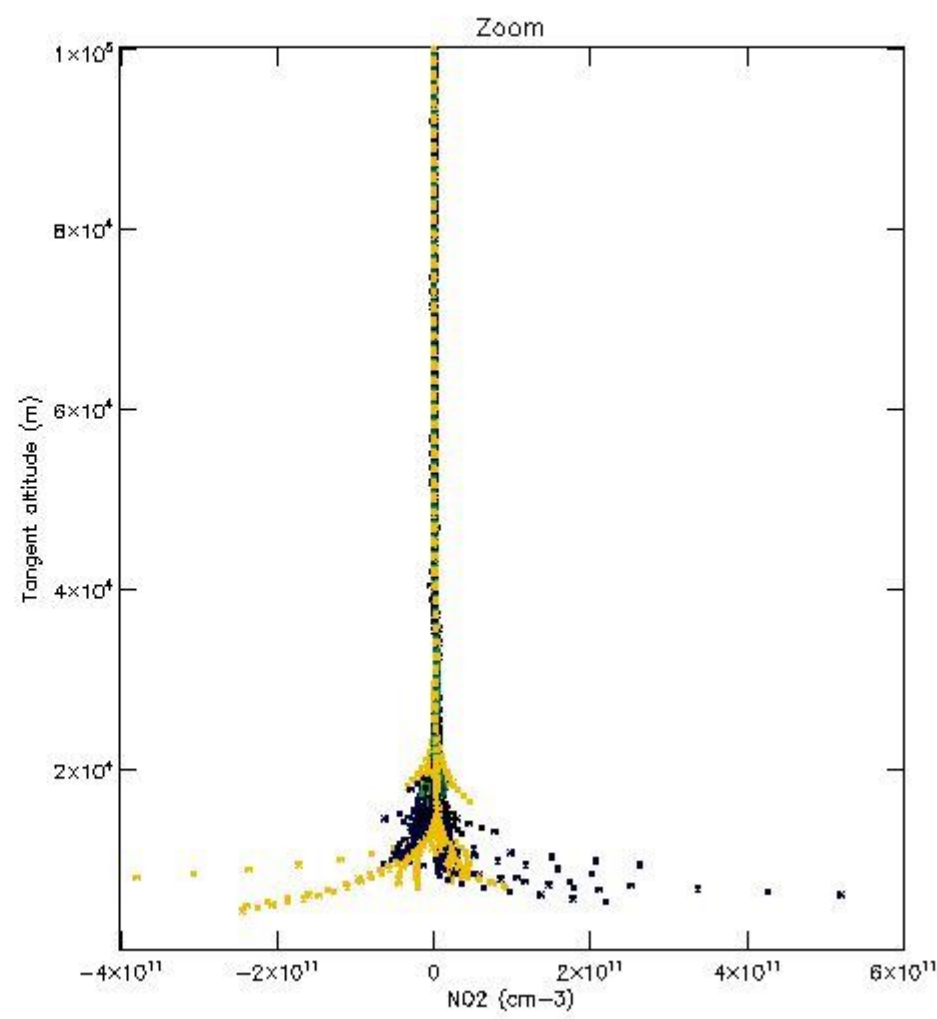
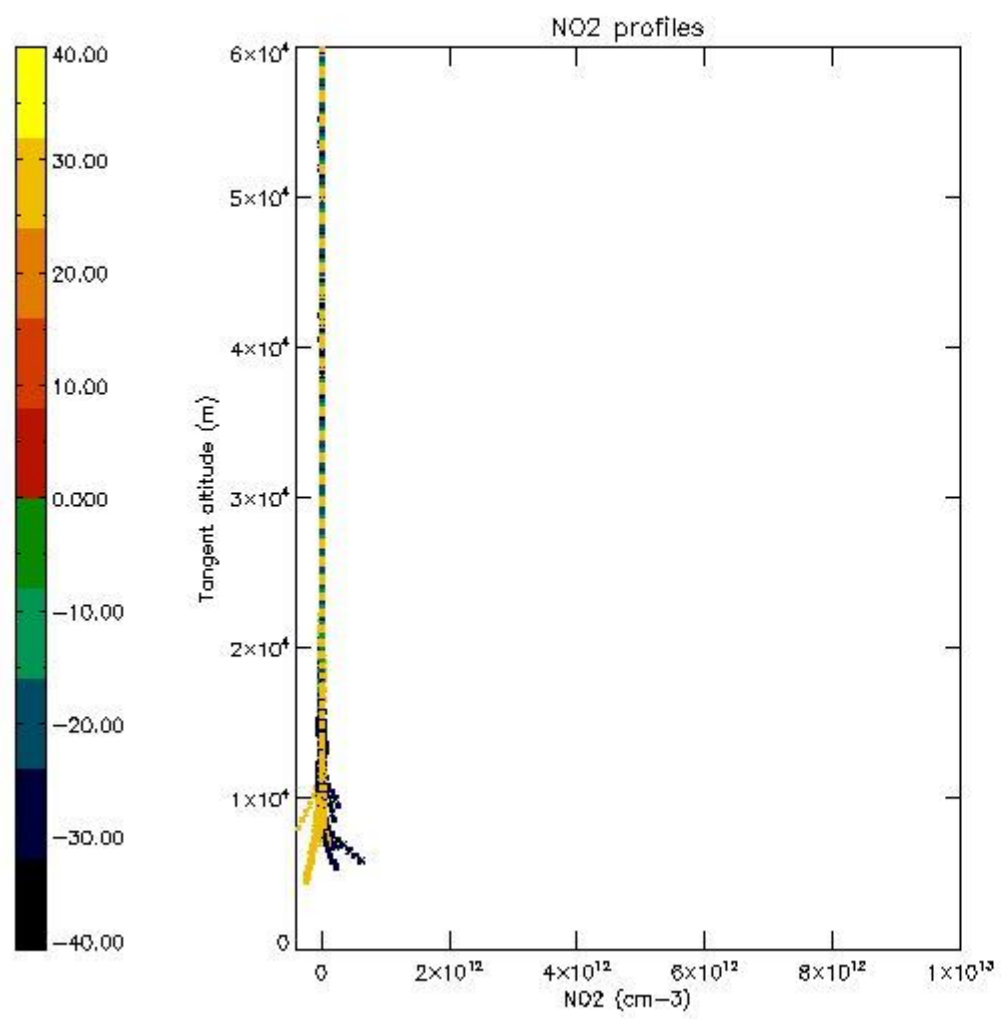
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



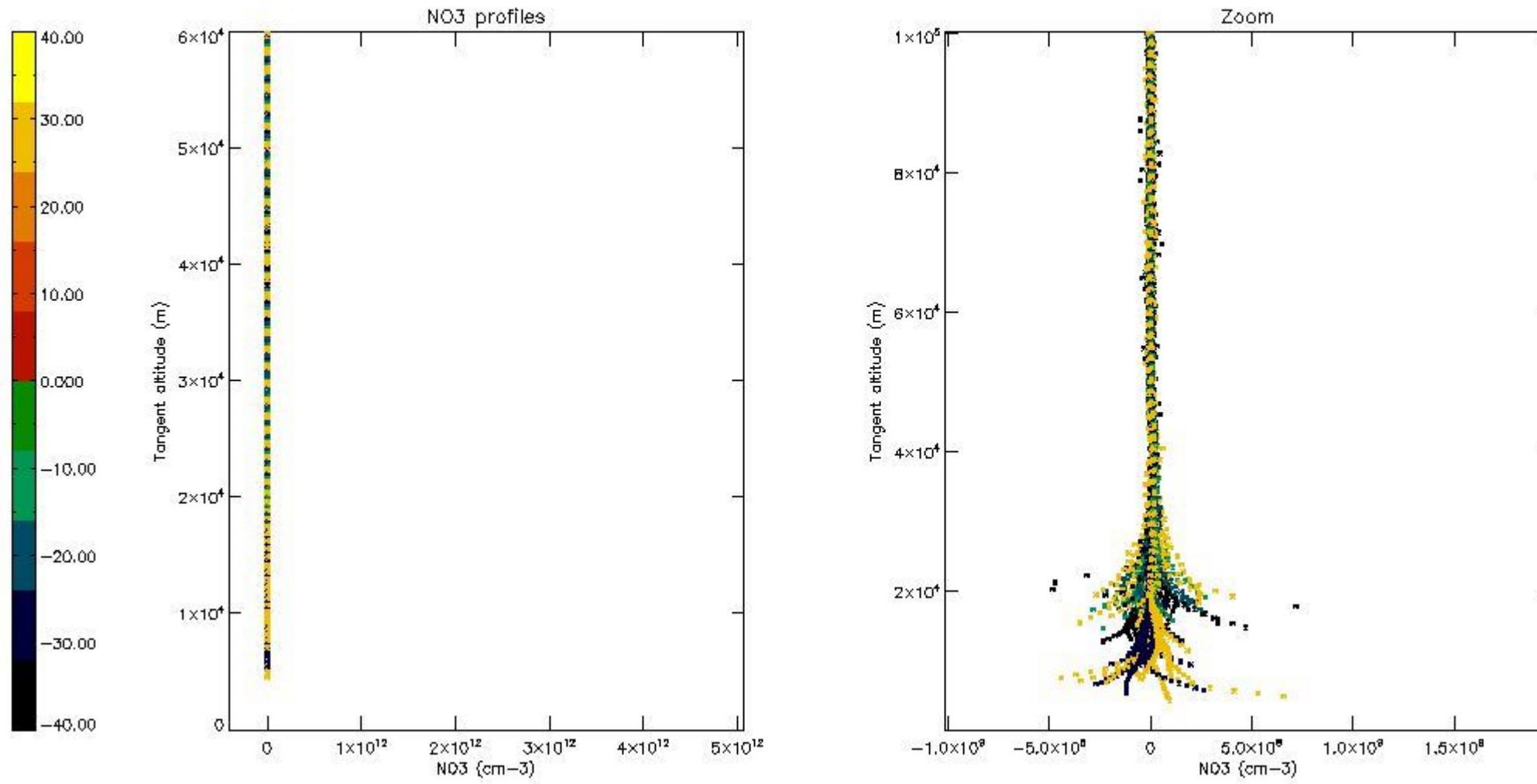
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

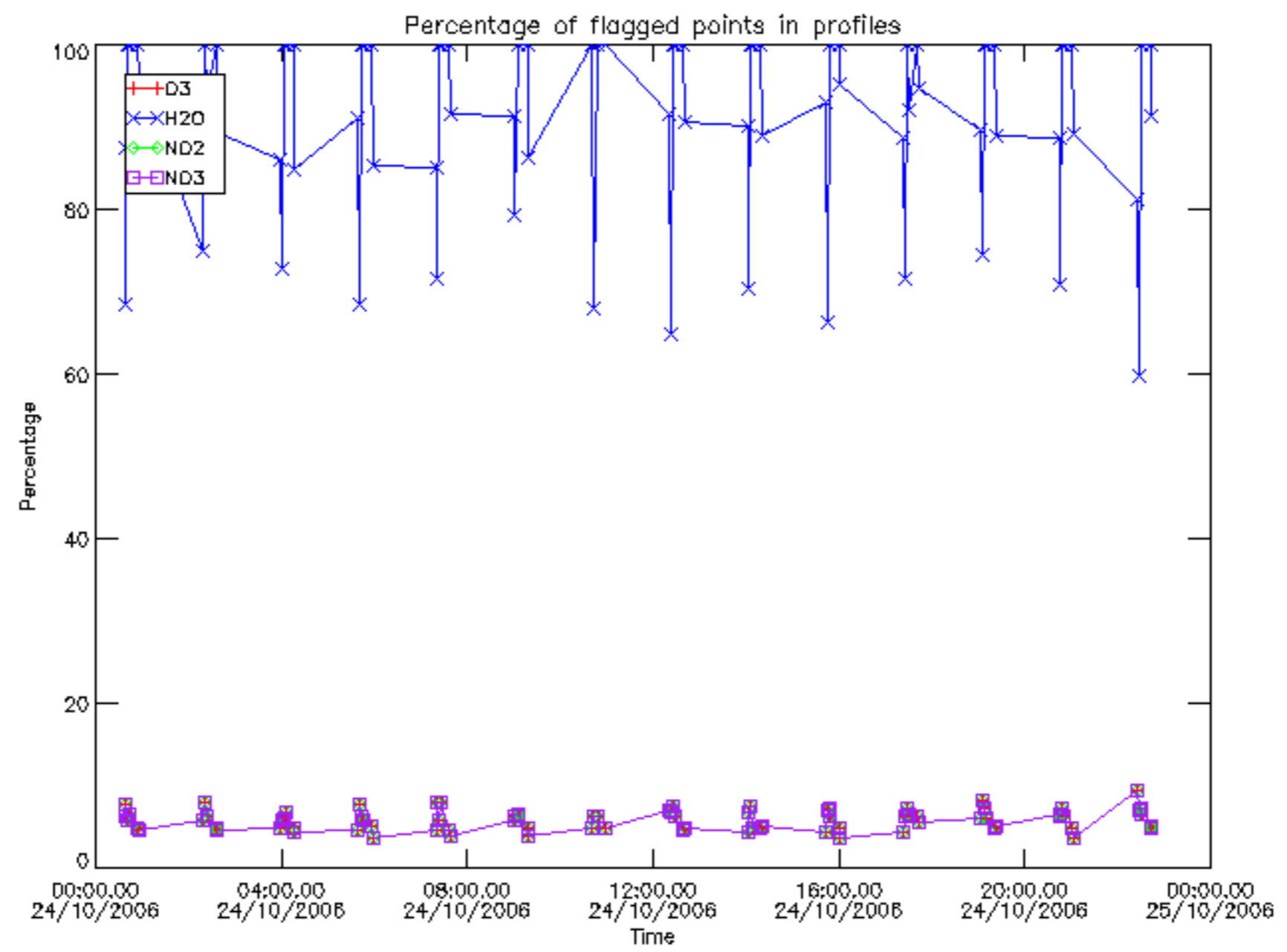
The colorbar represents the latitude.



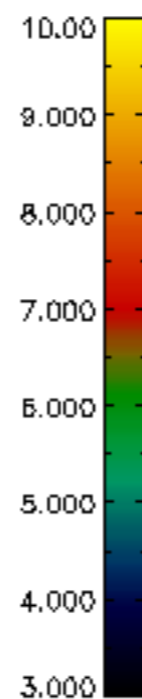
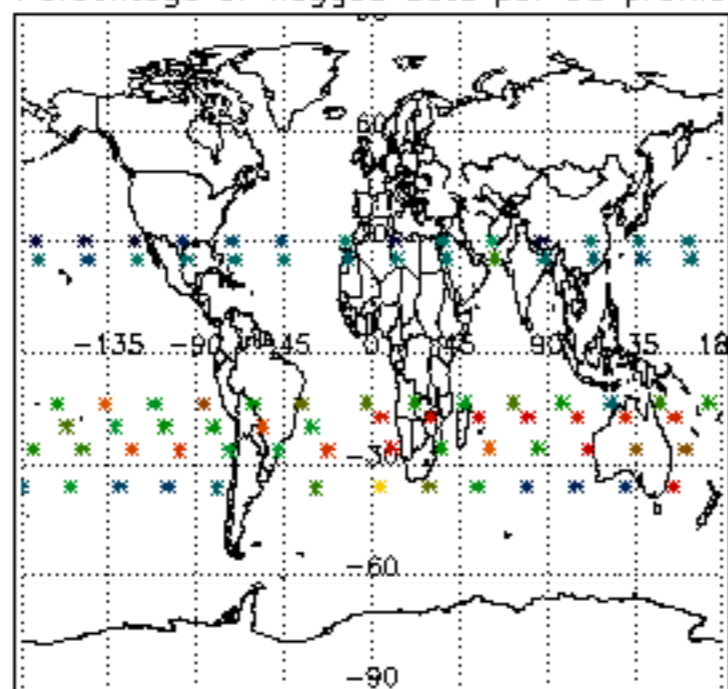
## 6. Auxiliary Data Files used for the production reported in section 2

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.

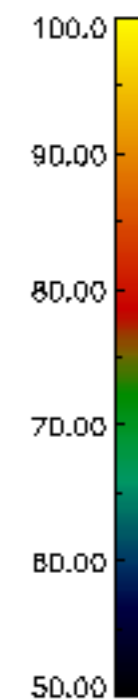
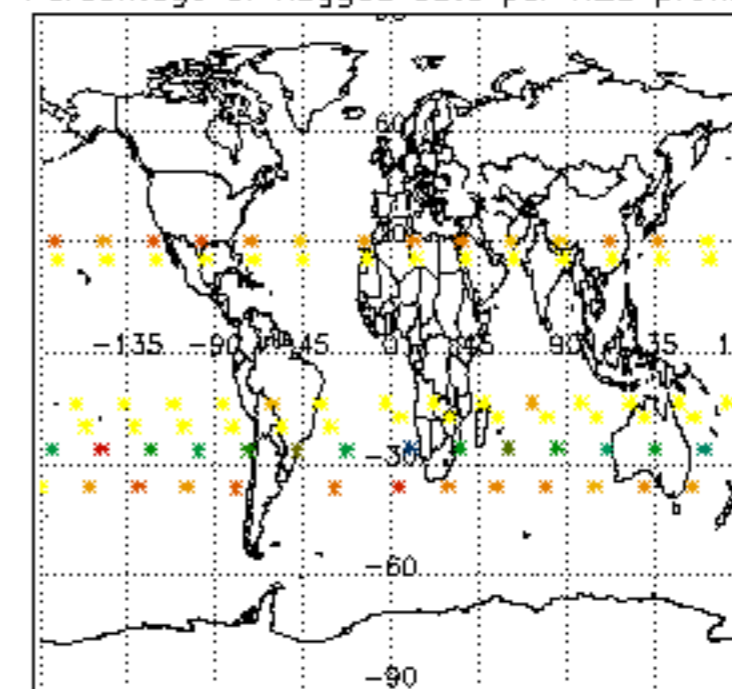
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	24-OCT-2006 00:00:39
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	24-OCT-2006 00:00:39
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	24-OCT-2006 00:00:39



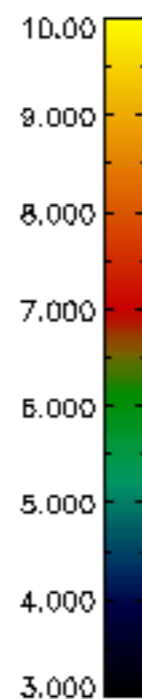
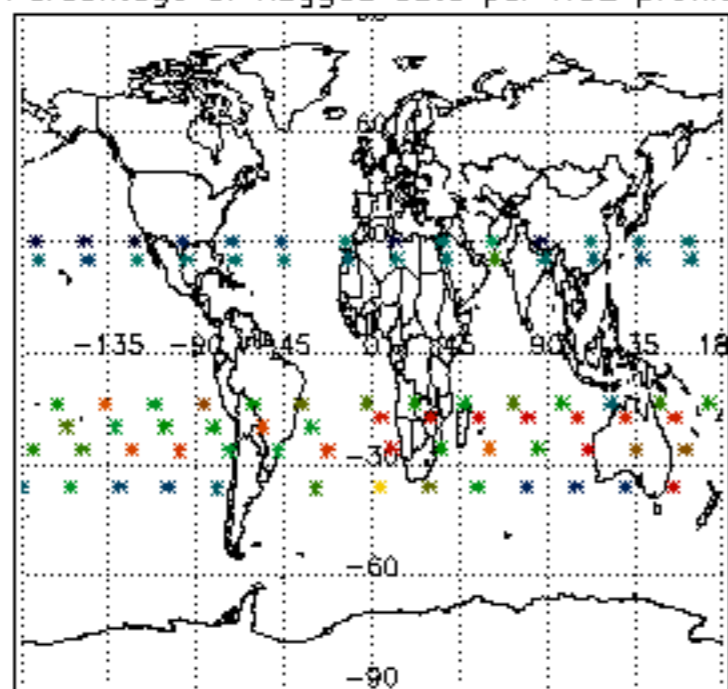
Percentage of flagged data per D3 profile



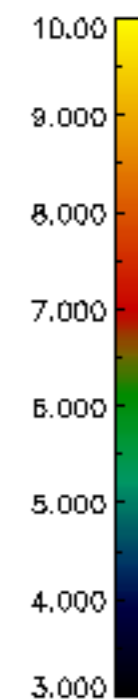
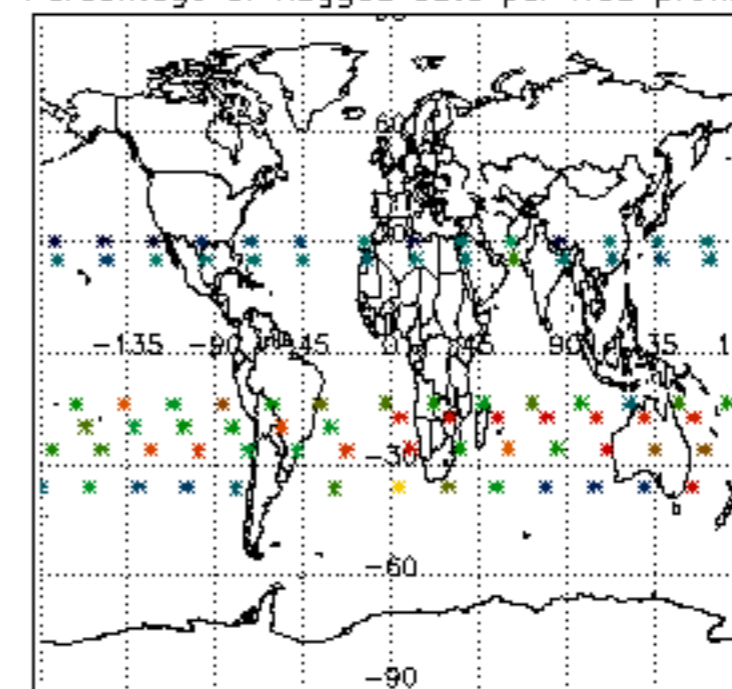
Percentage of flagged data per H2O profile

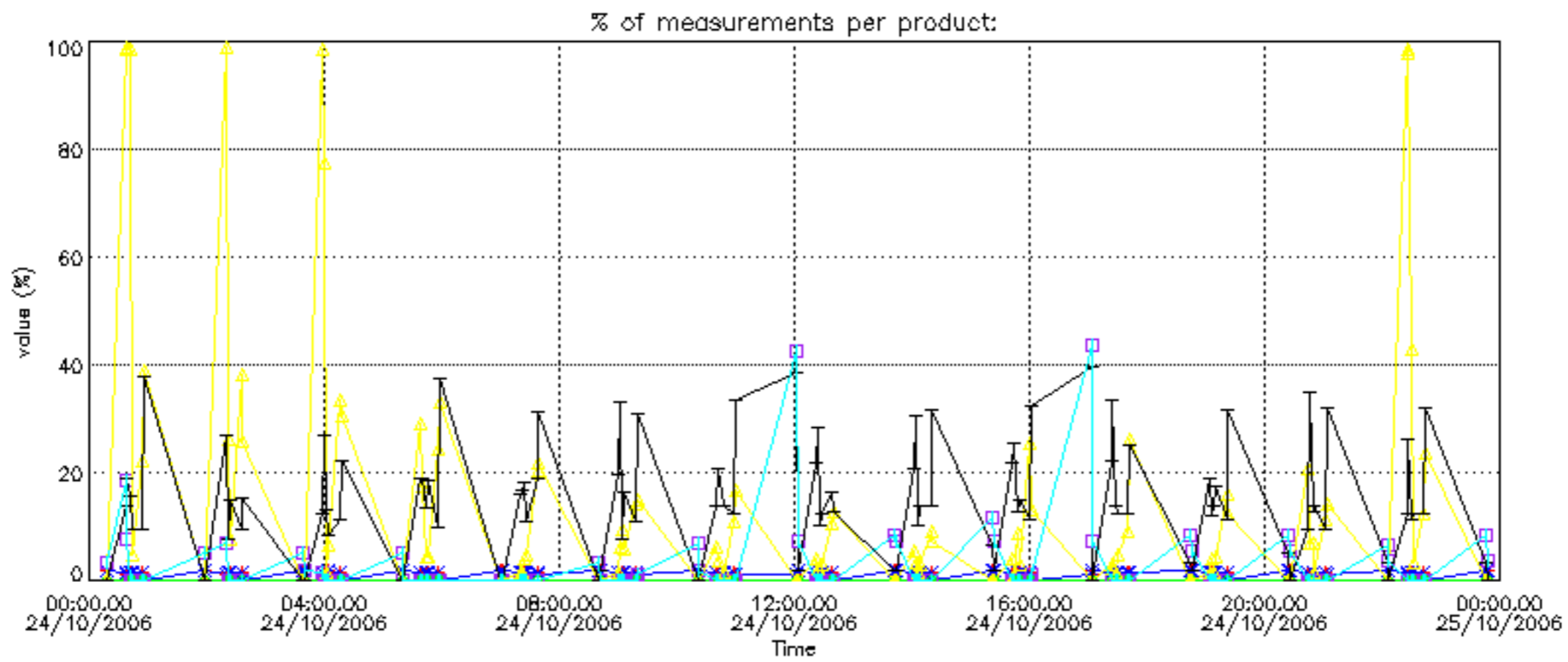


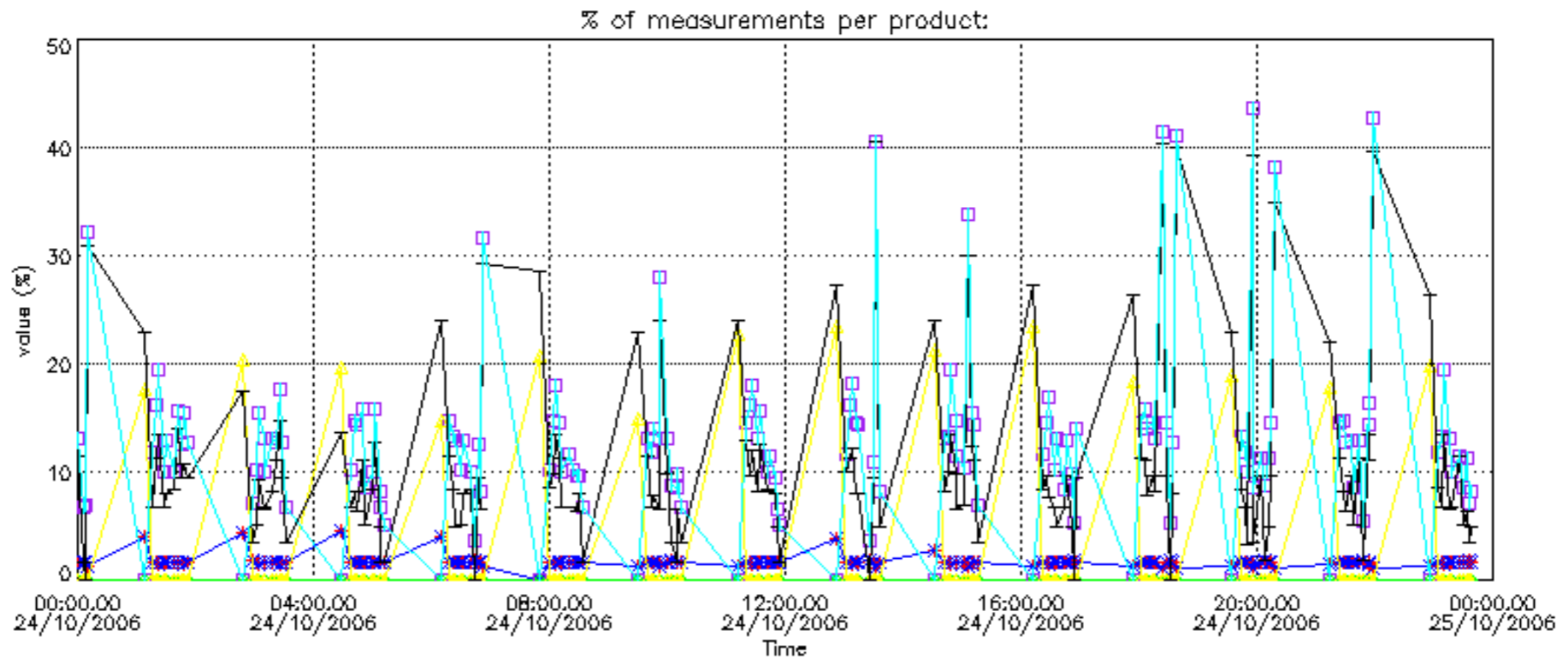
Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

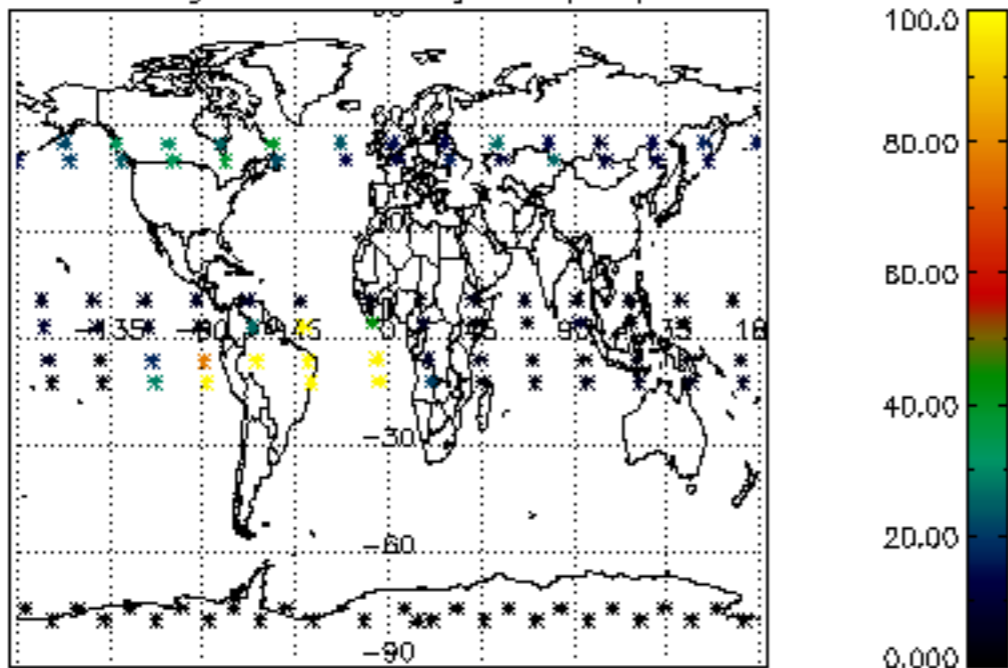




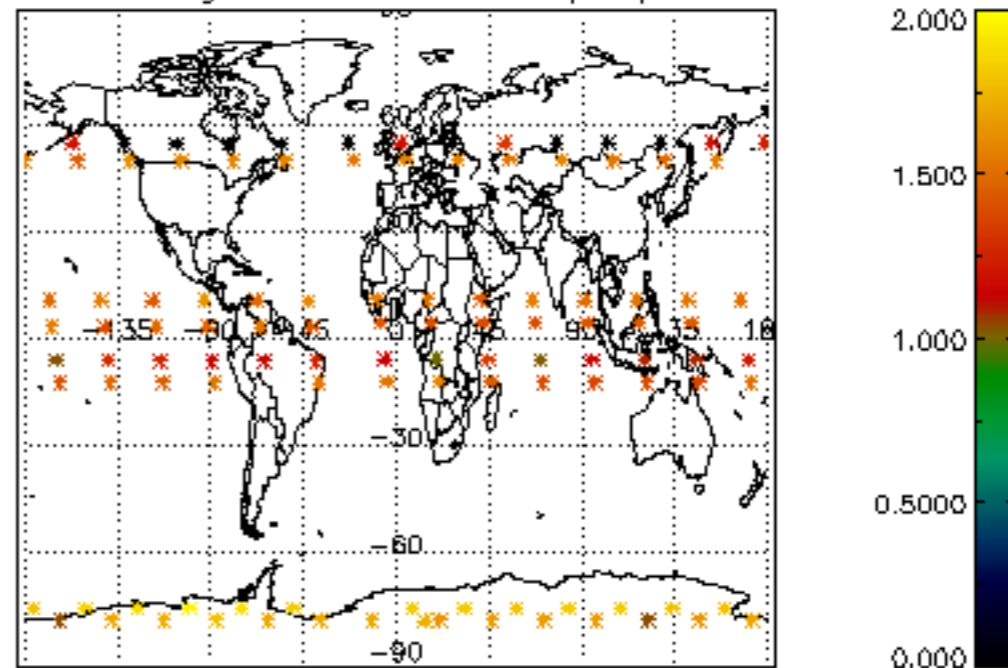




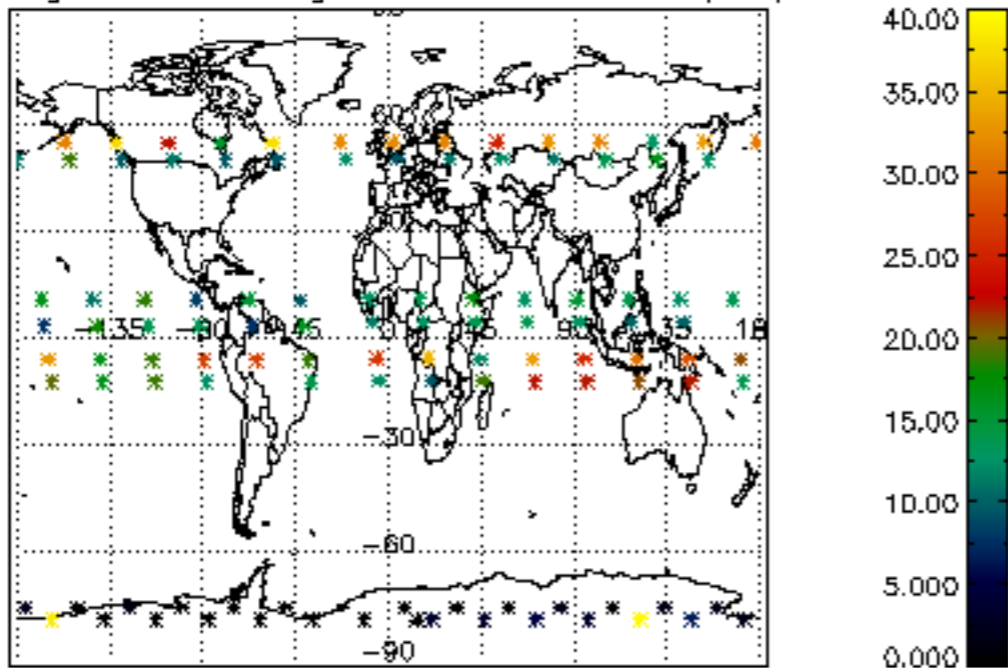
Percentage of cosmic ray hits per profile



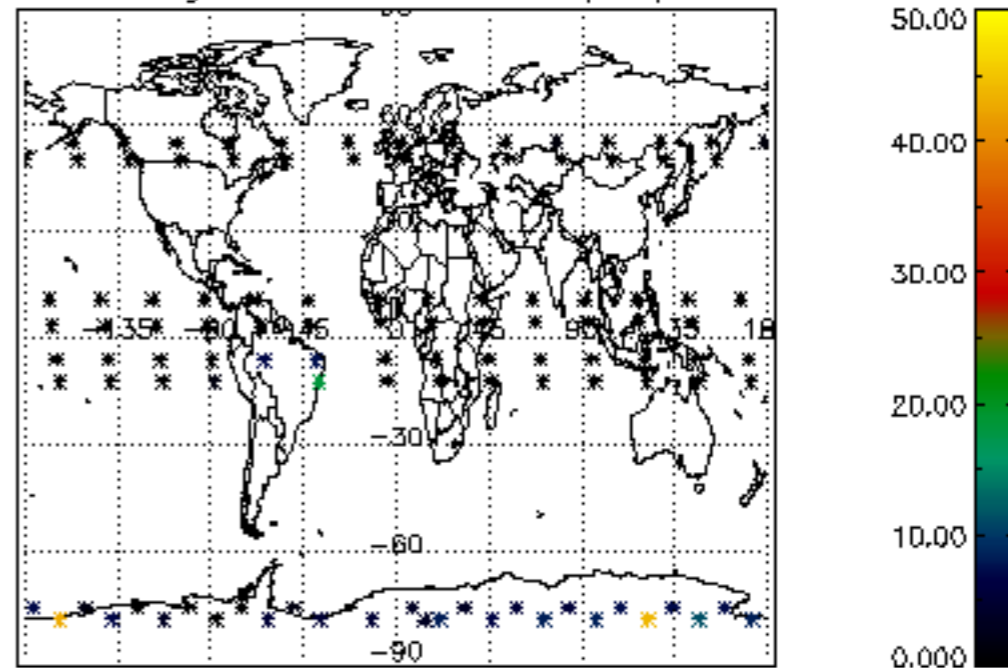
Percentage of datation errors per profile



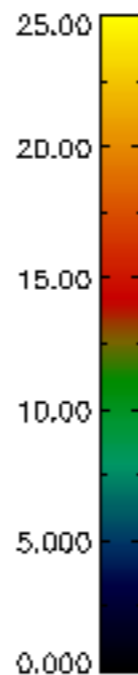
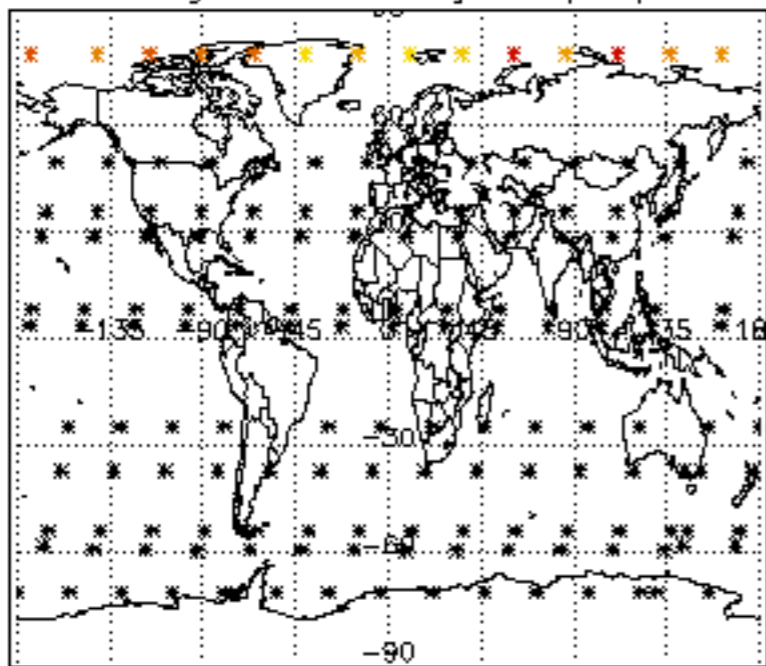
Percentage of star falling outside central band per profile



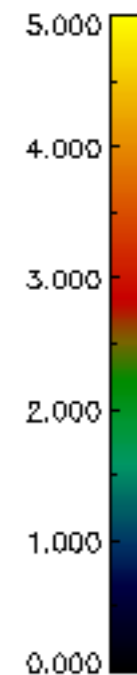
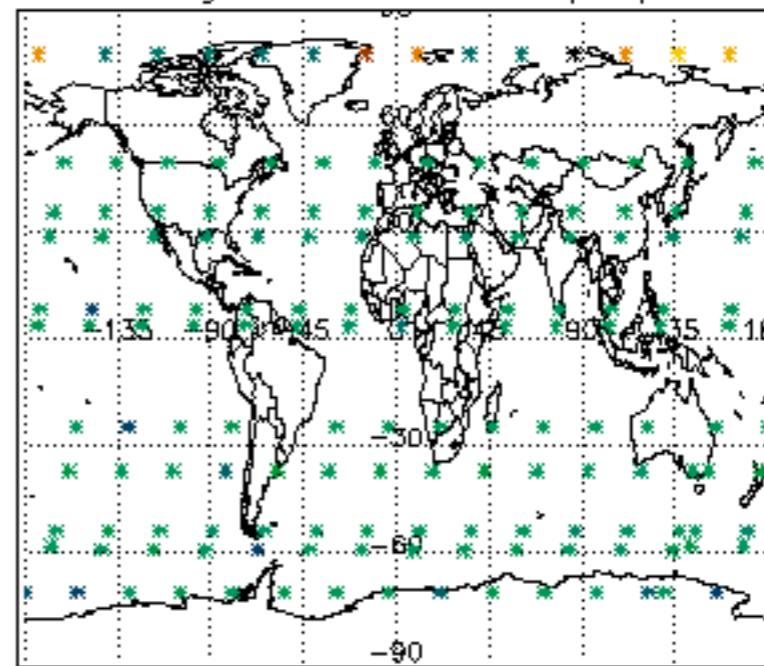
Percentage of saturation errors per profile



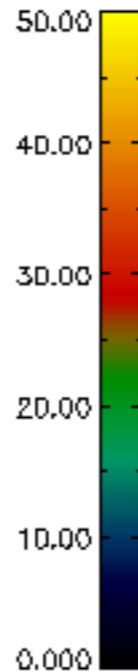
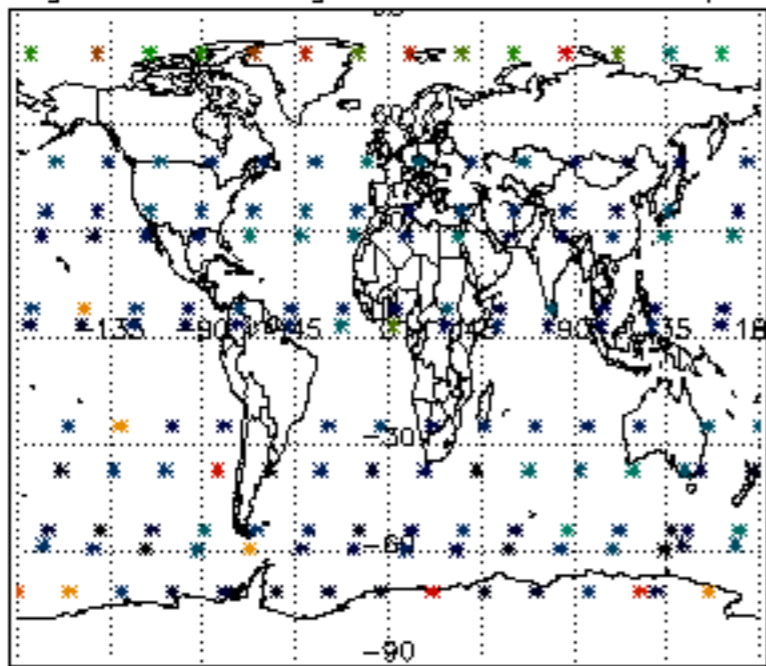
Percentage of cosmic ray hits per profile



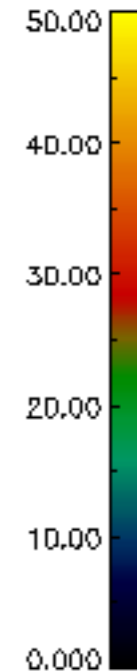
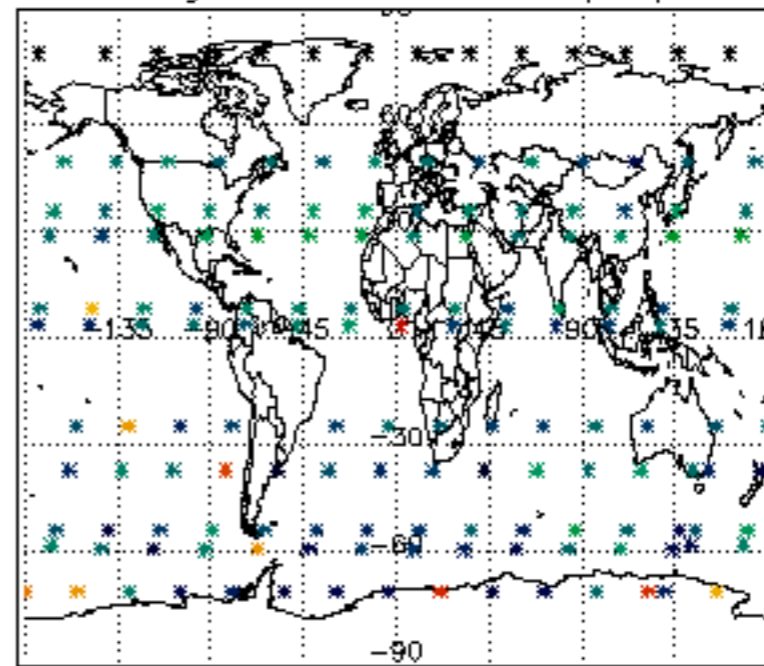
Percentage of datation errors per profile

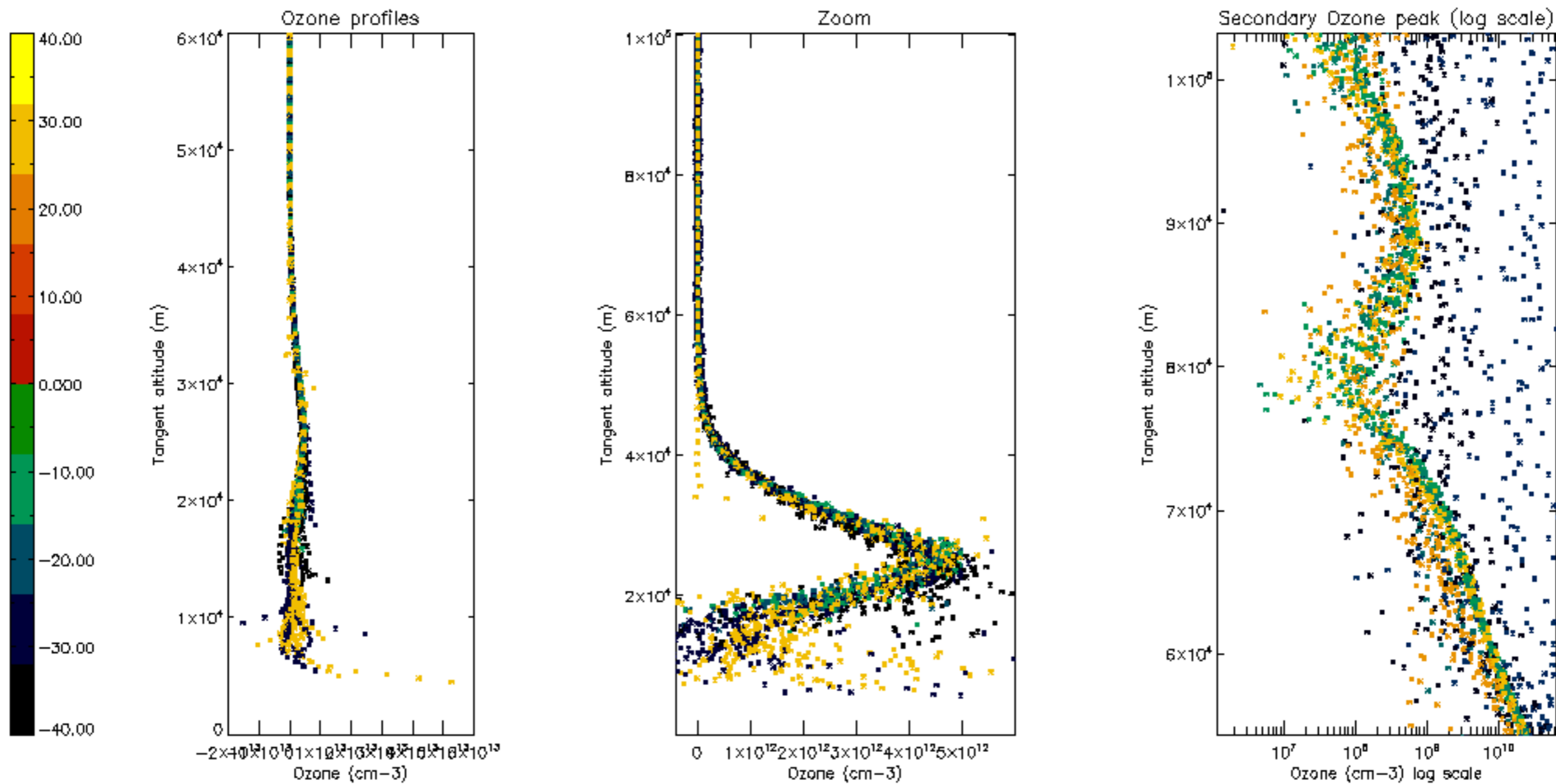


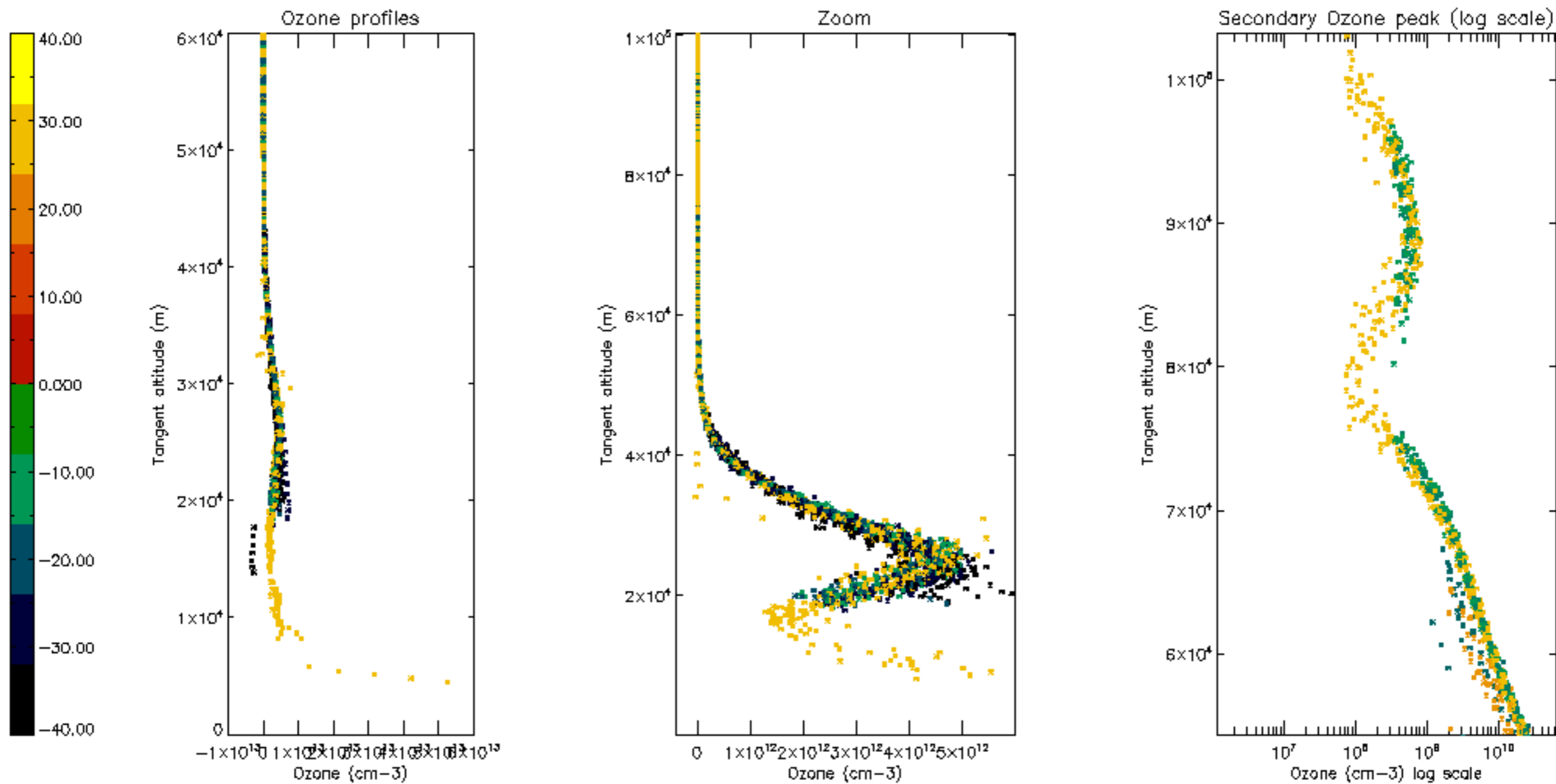
Percentage of star falling outside central band per profile

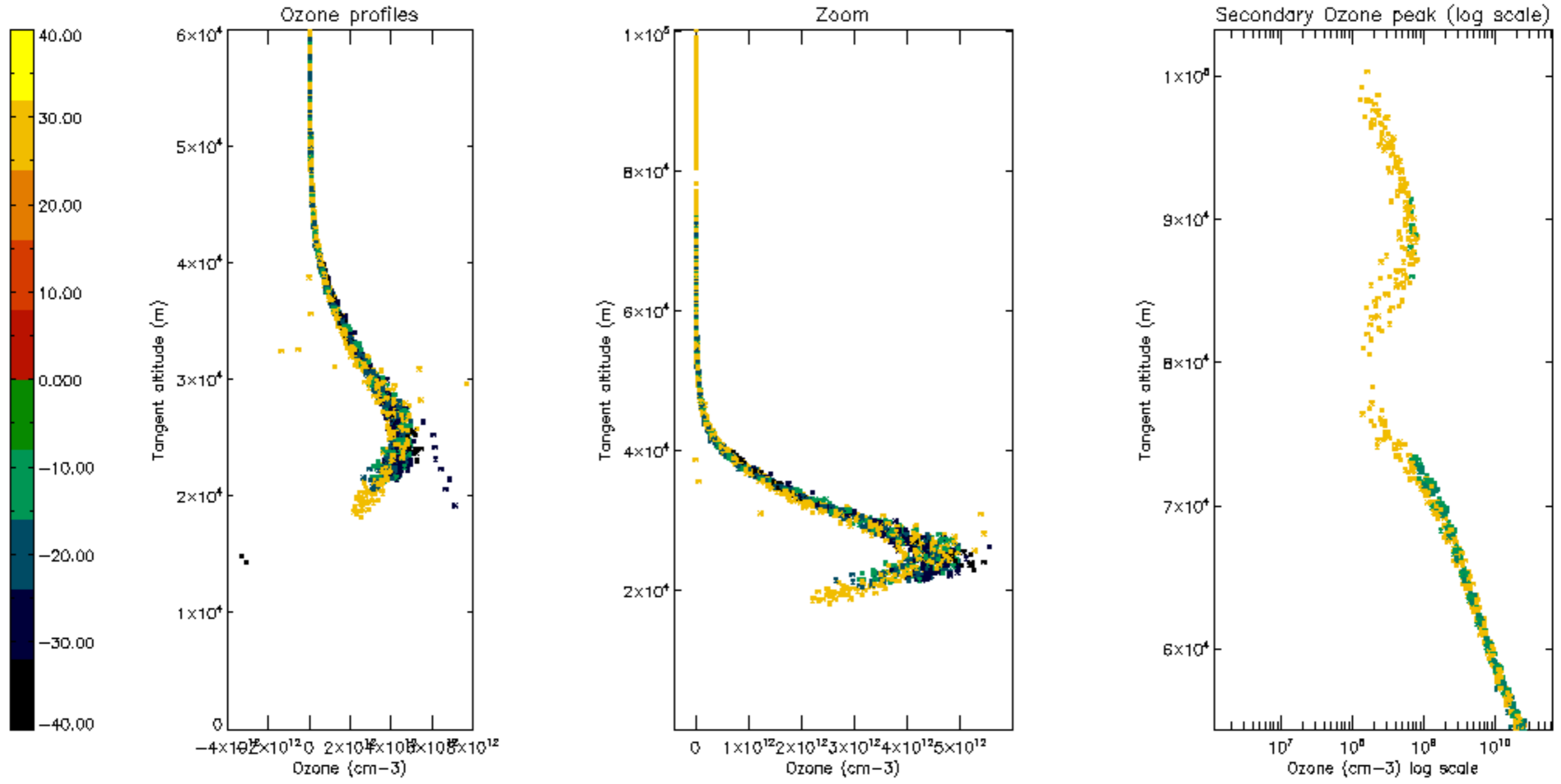


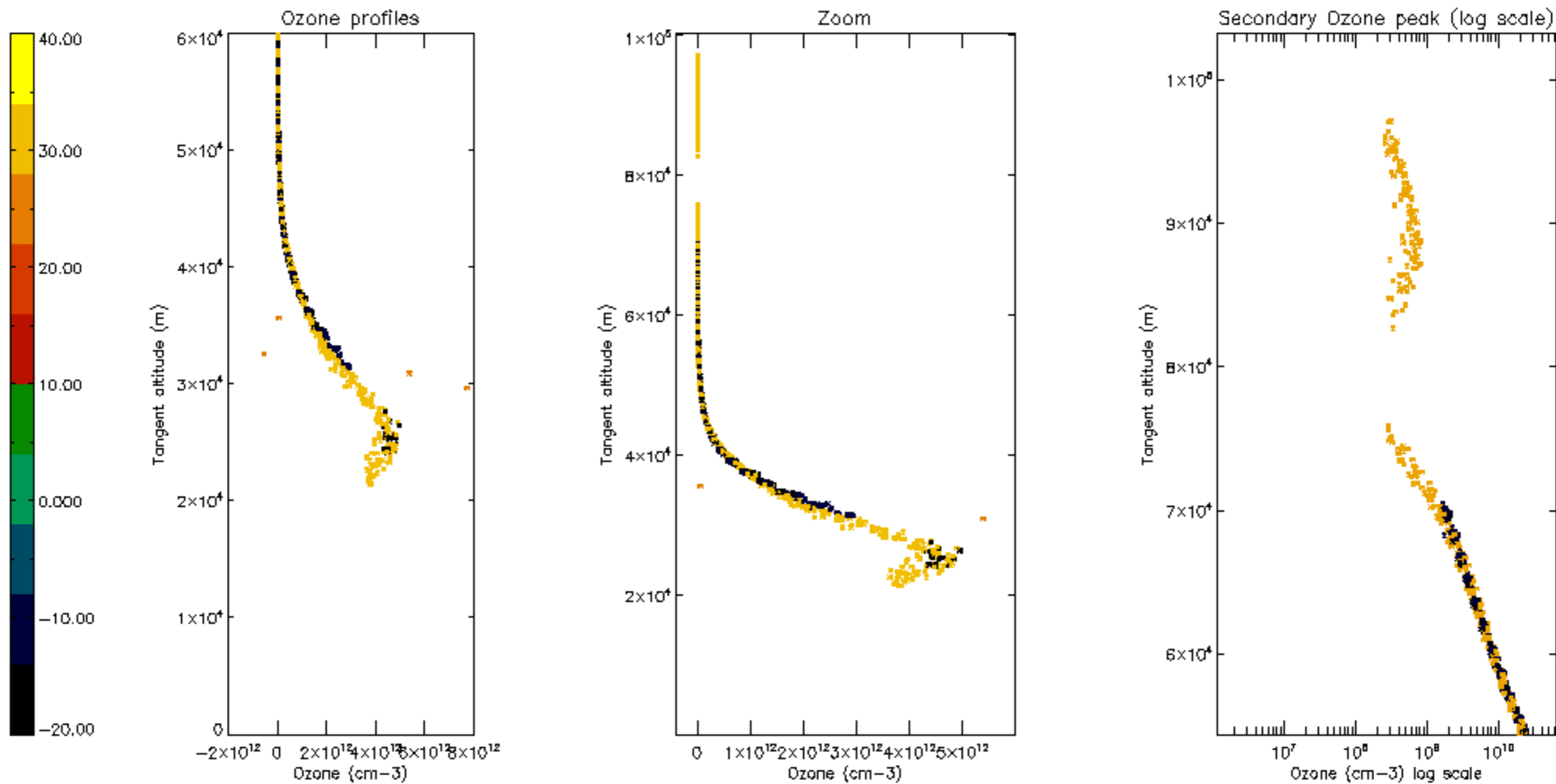
Percentage of saturation errors per profile

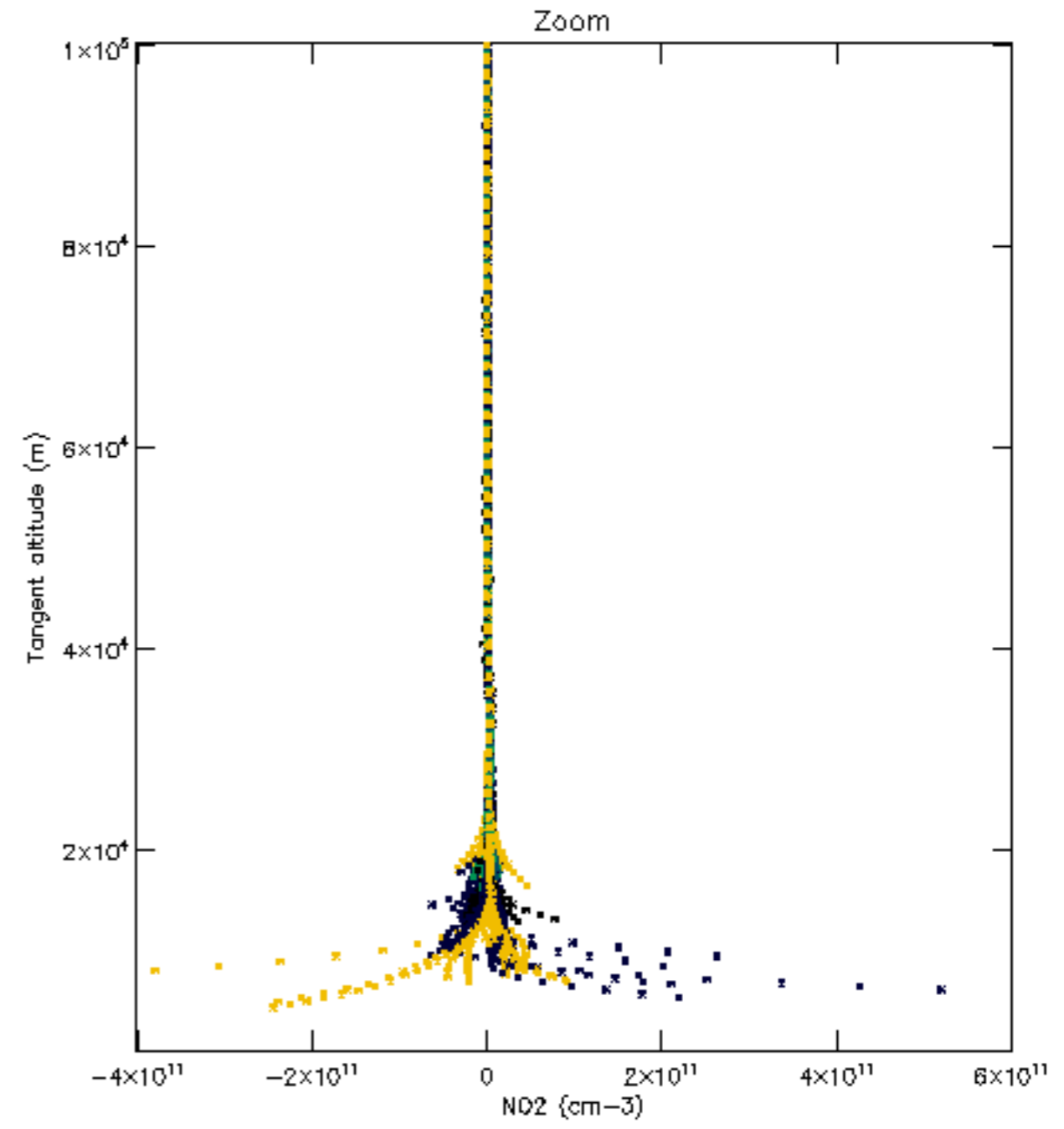
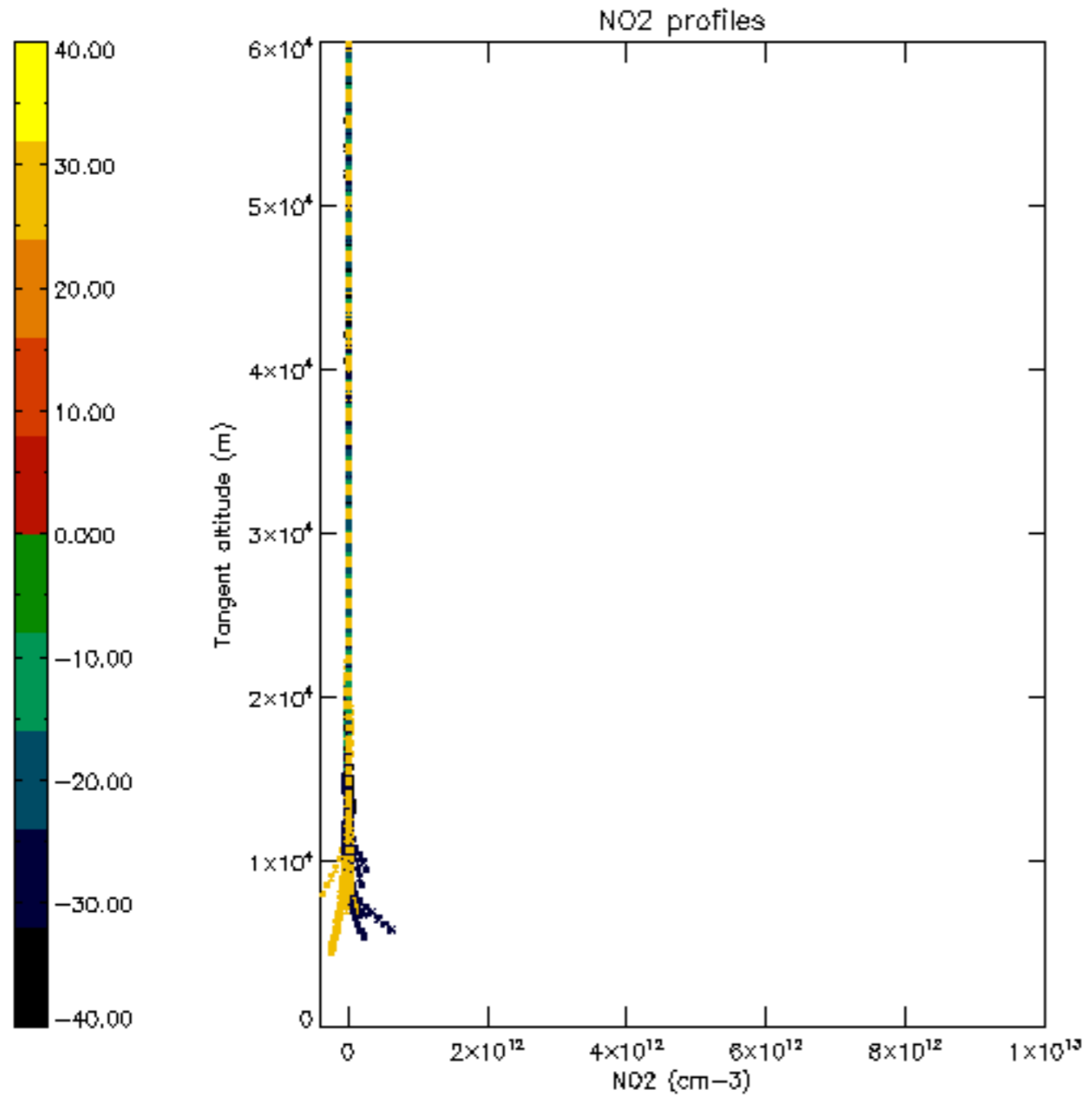


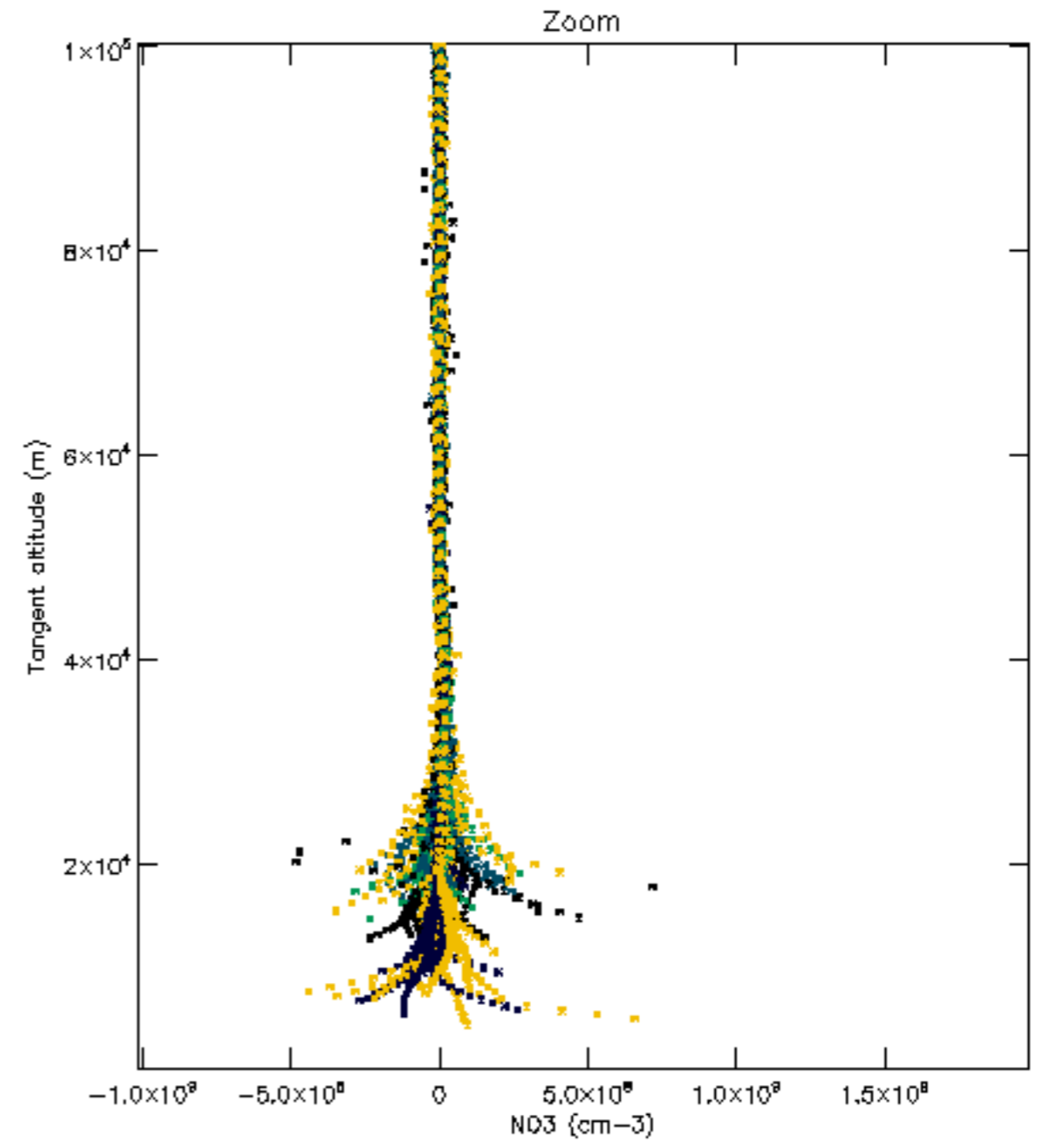
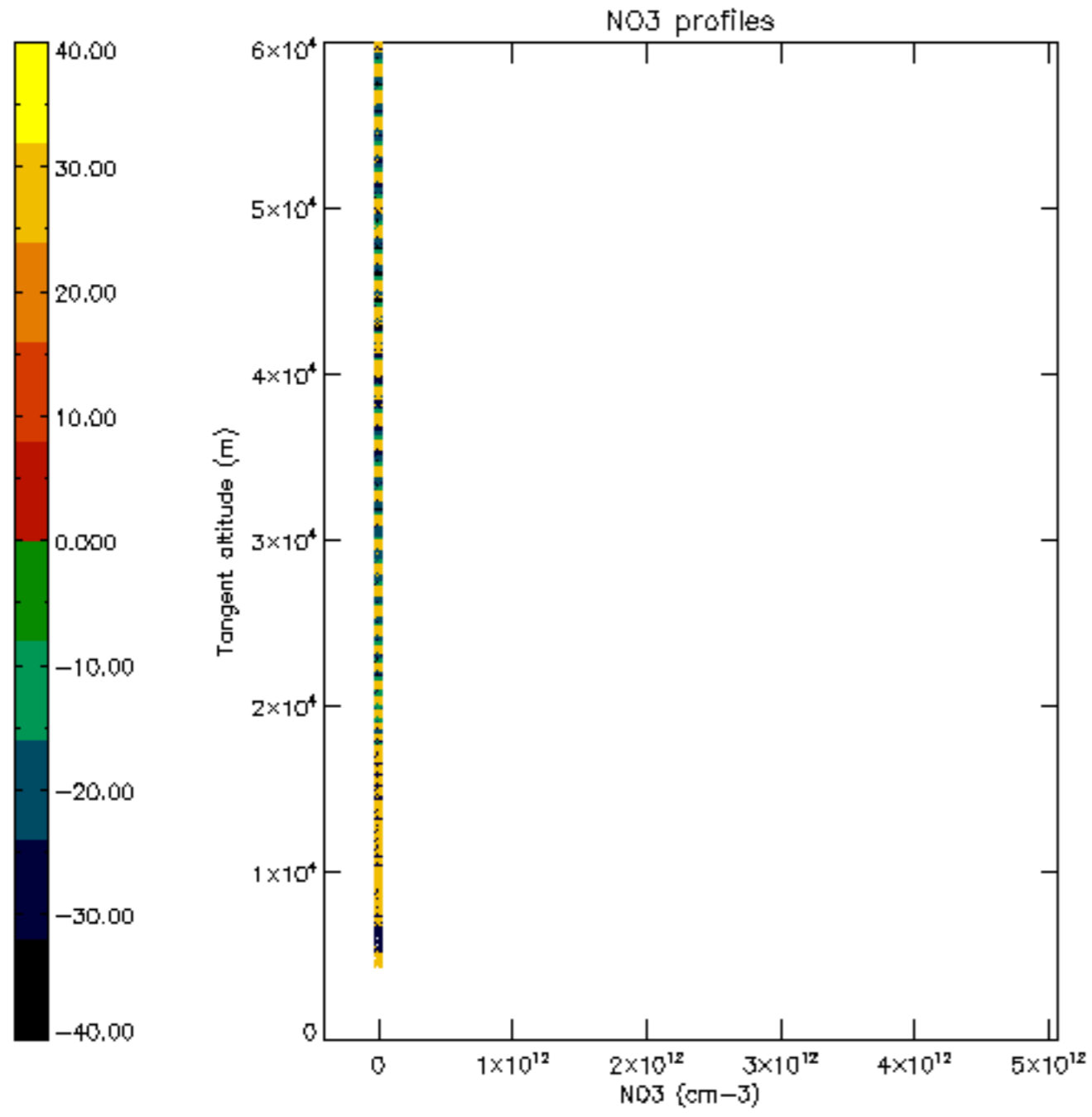




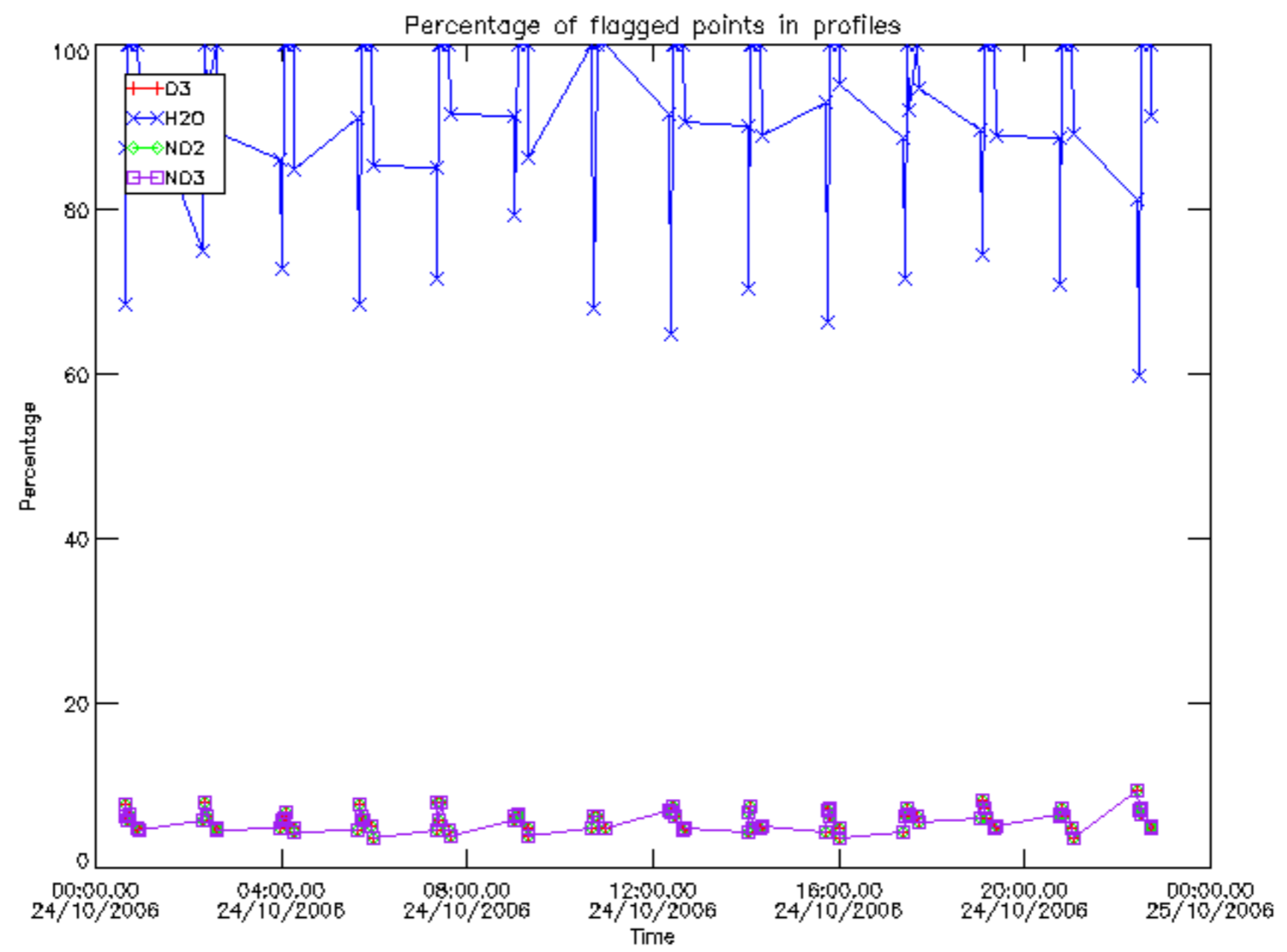




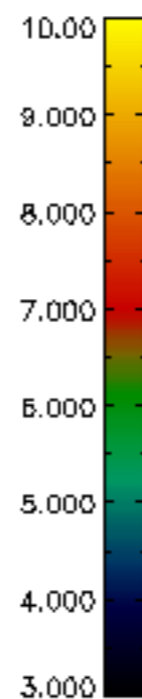
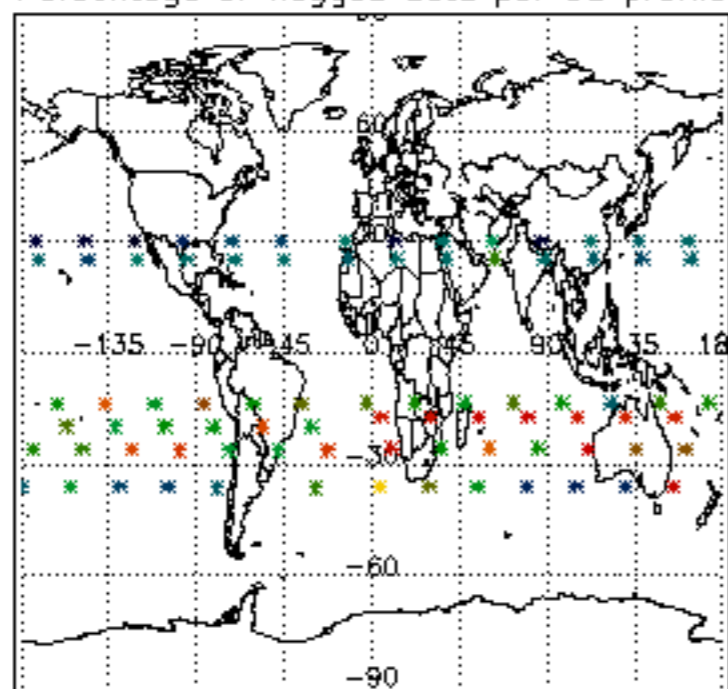




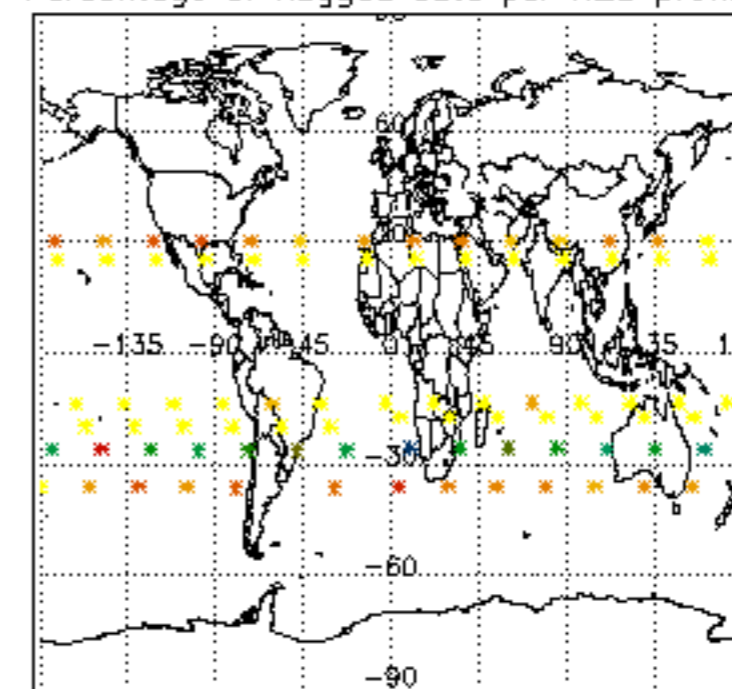




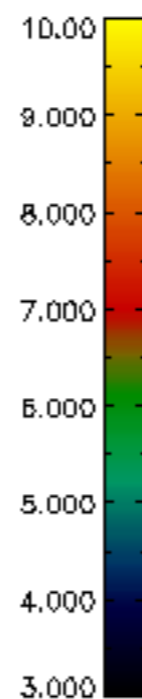
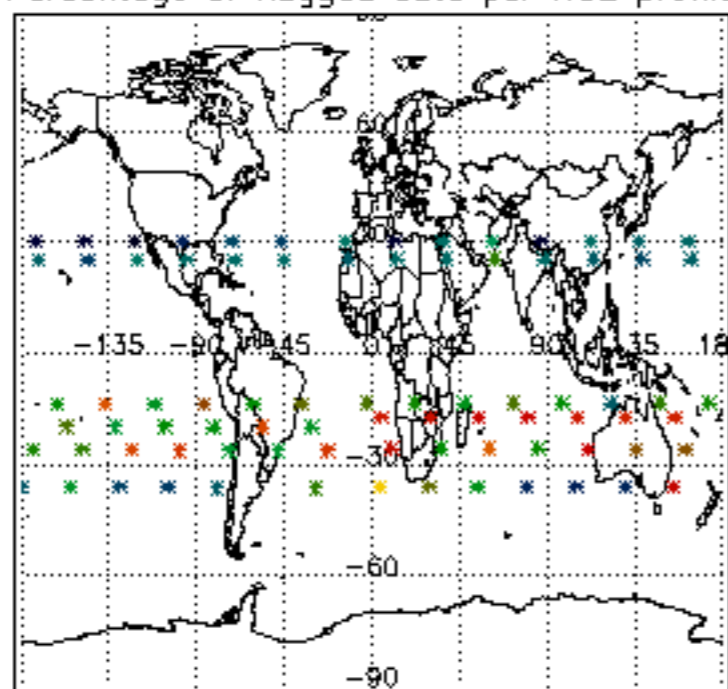
Percentage of flagged data per D3 profile



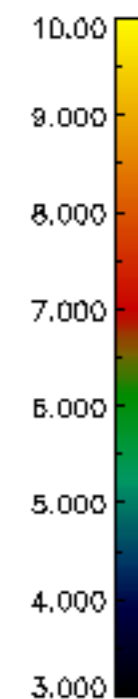
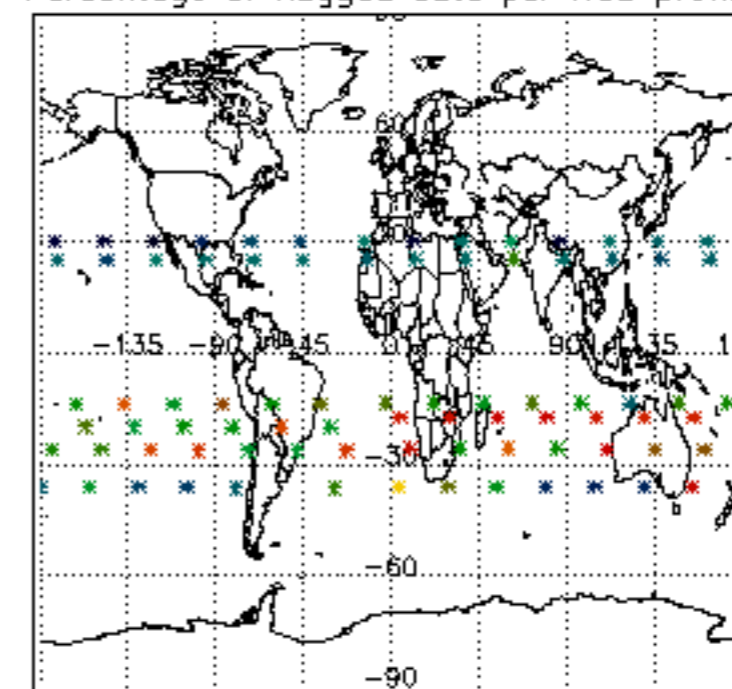
Percentage of flagged data per H2O profile

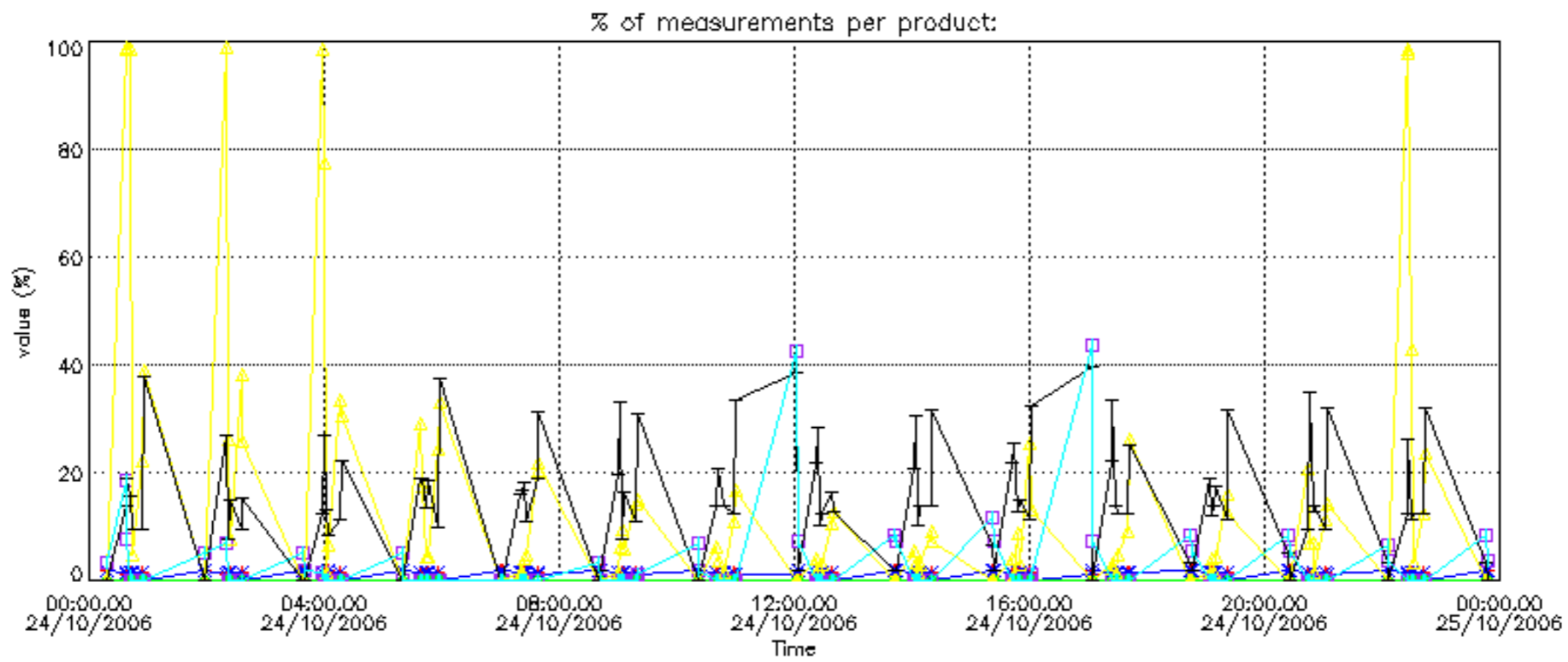


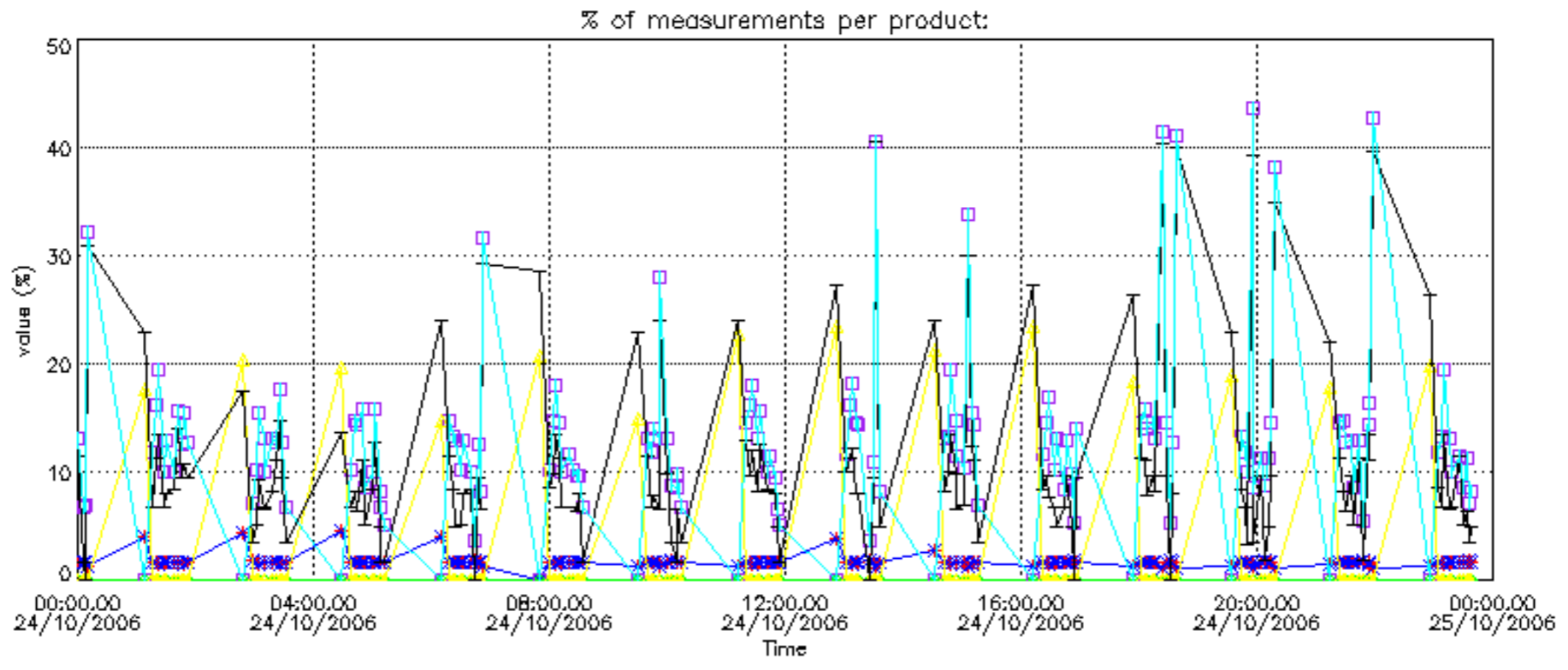
Percentage of flagged data per NO2 profile



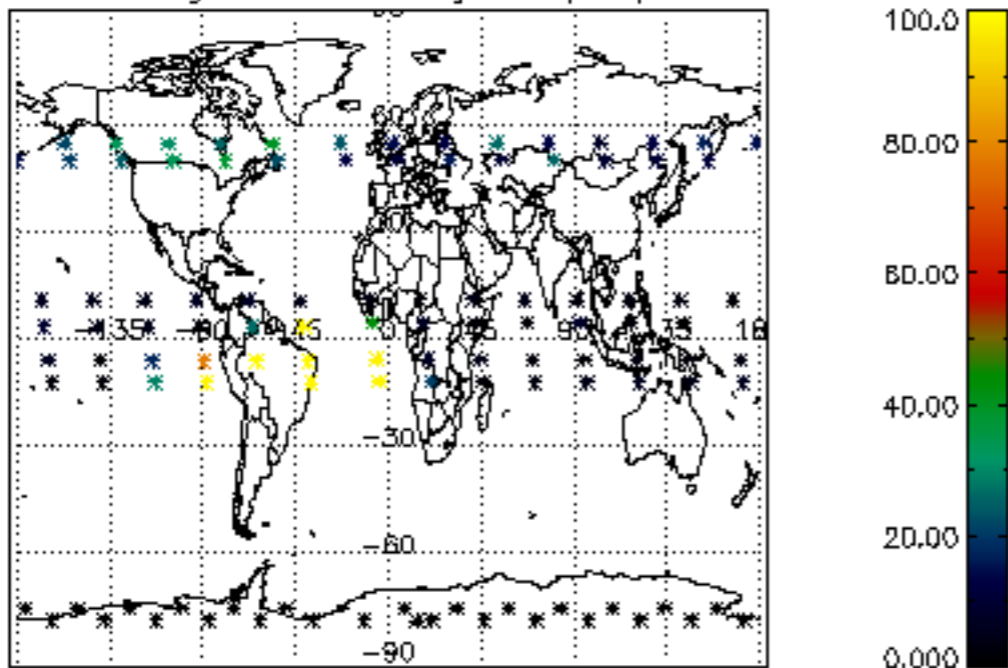
Percentage of flagged data per NO3 profile



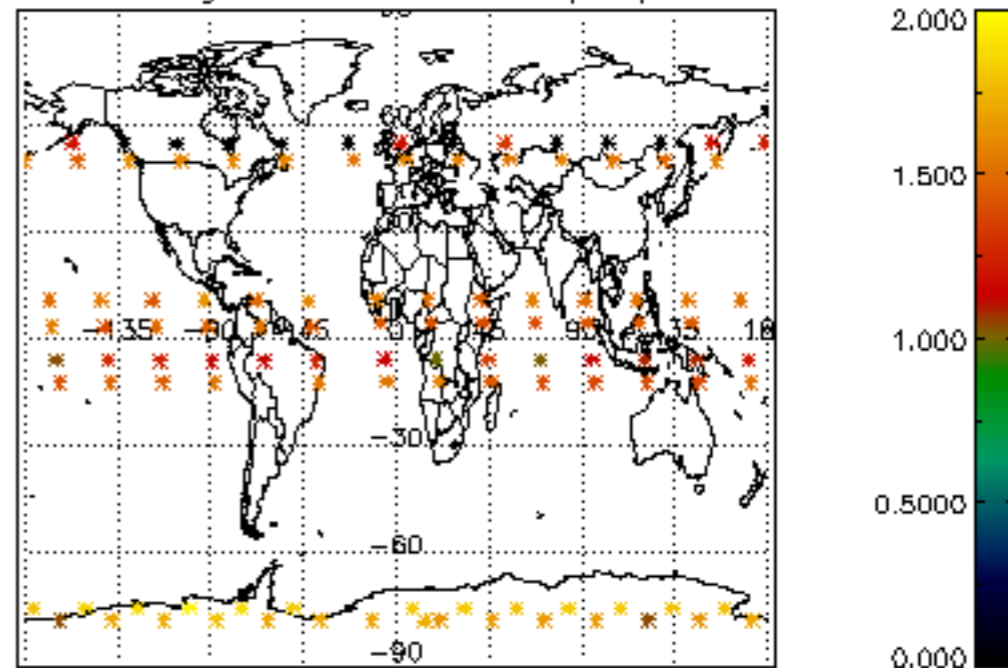




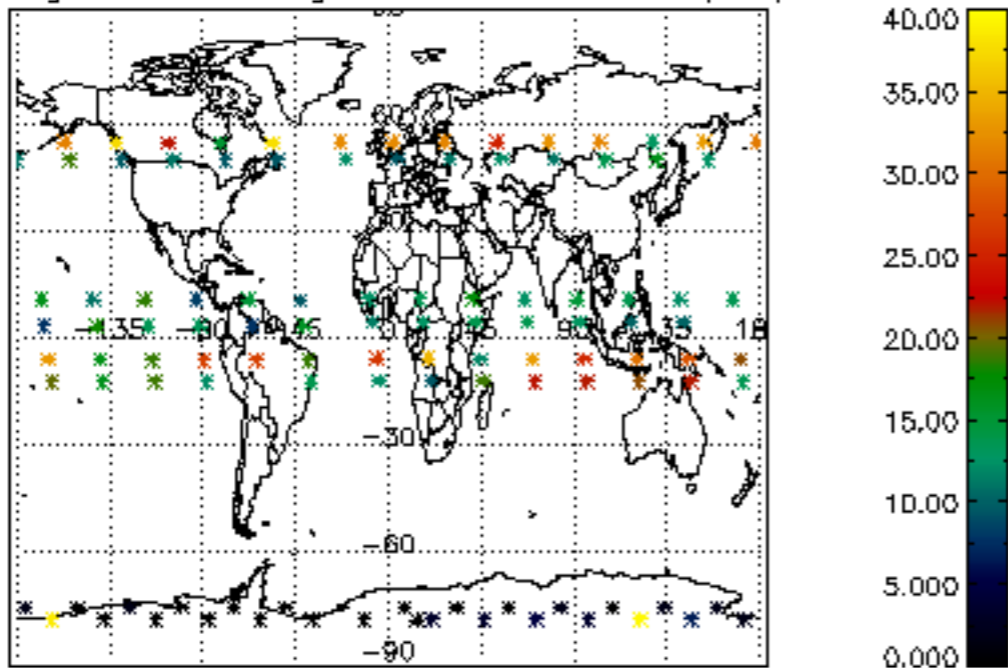
Percentage of cosmic ray hits per profile



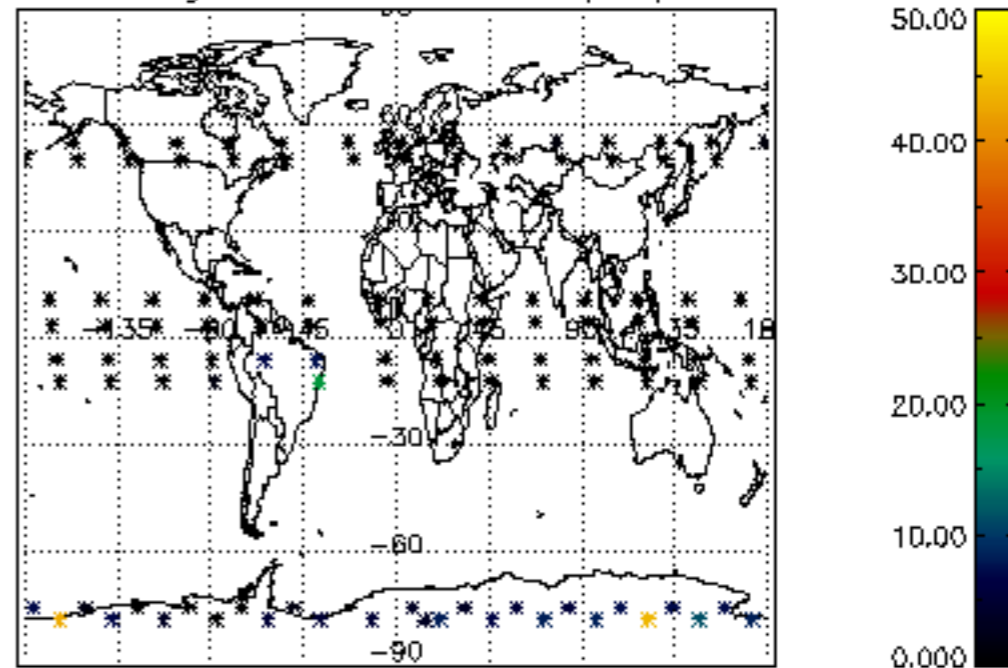
Percentage of datation errors per profile



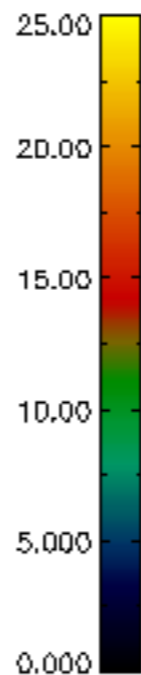
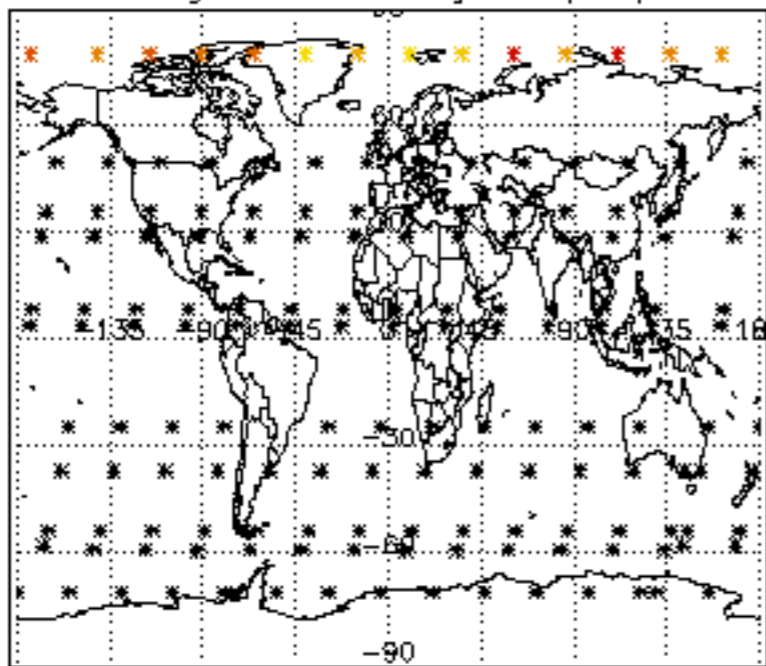
Percentage of star falling outside central band per profile



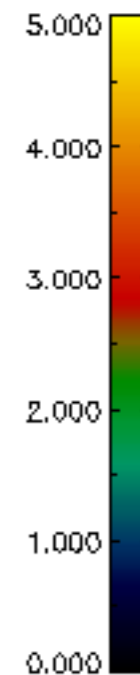
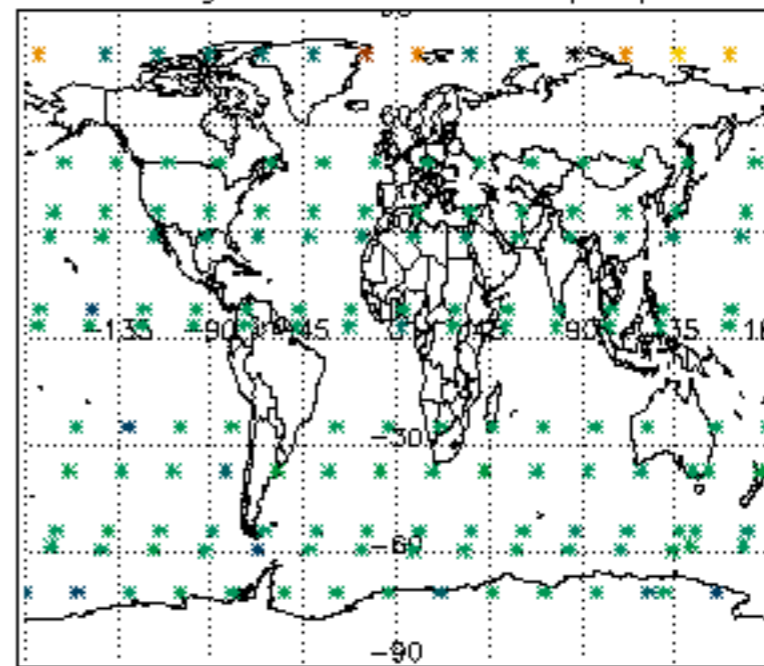
Percentage of saturation errors per profile



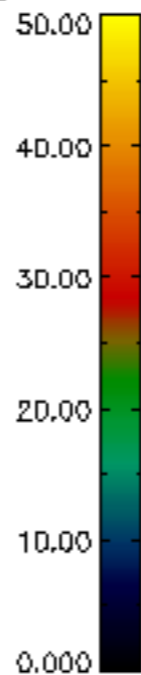
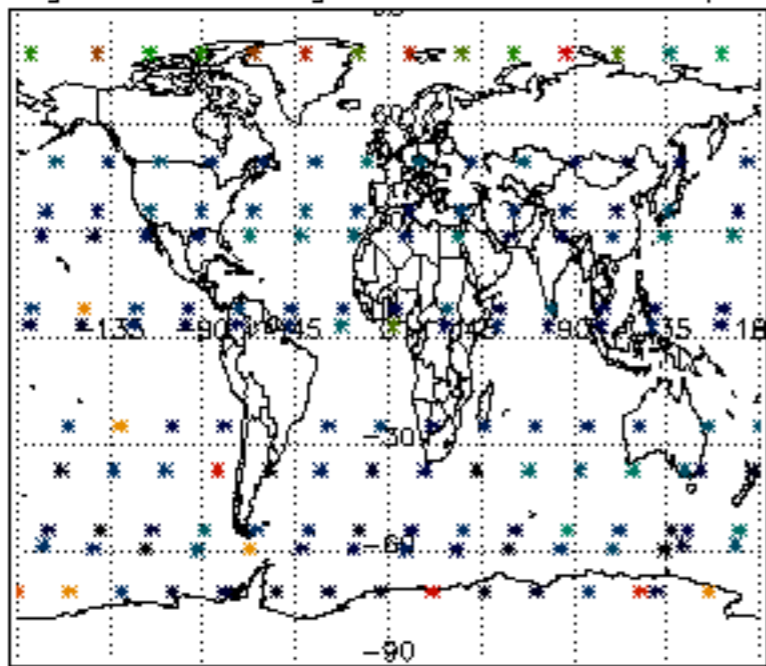
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

