

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

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

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

[3.1 Plot of level 2 quality information per product \(time dependant\)](#)

[3.2 Plot of level 2 quality information per product \(world map\)](#)

[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](#)

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

[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 17:42:06
Data source version	GOMOS/6.01
Start time of products	09-04-2006 (09APR2006 00:00:00)
Stop time of products	10-04-2006 (10APR2006 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	115
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__2PRFIN20060409_141333_000000452046_00382_21478_8868.N1	09-APR-2006 14:13:33	Dark	44.500	154	22Bet Aqr	2.8990	5700.0	89	21478	No
2	GOM_NL__2PRFIN20060409_141601_000000412046_00382_21478_8869.N1	09-APR-2006 14:16:01	Dark	41.000	142	49Del Cap	2.8500	8900.0	82	21478	No
3	GOM_NL__2PRFIN20060409_142821_000000432046_00383_21479_8888.N1	09-APR-2006 14:28:21	Dark	43.000	45	Alp Pav	1.9400	26000.	86	21479	No
4	GOM_NL__2PRFIN20060409_161627_000000442046_00384_21480_8888.N1	09-APR-2006 16:16:27	Dark	44.000	43	Alp TrA	1.9100	4250.0	88	21480	No
5	GOM_NL__2PRFIN20060409_161828_000000392046_00384_21480_8889.N1	09-APR-2006 16:18:28	Dark	38.500	134	Bet TrA	2.8100	6600.0	77	21480	No
6	GOM_NL__2PRFIN20060409_162059_000000422046_00384_21480_8890.N1	09-APR-2006 16:20:59	Straylight	42.000	4	Alp1Cen	-0.010000	5800.0	84	21480	No
7	GOM_NL__2PRFIN20060409_162400_000000432046_00384_21480_8891.N1	09-APR-2006 16:24:00	Straylight	43.000	78	Alp Lup	2.3040	28000.	86	21480	No
8	GOM_NL__2PRFIN20060409_162620_000000402046_00384_21480_8892.N1	09-APR-2006 16:26:20	Straylight	40.000	64	Gam Cen	2.2000	10600.	80	21480	No
9	GOM_NL__2PRFIN20060409_162902_000000442046_00384_21480_8893.N1	09-APR-2006 16:29:02	Straylight	43.500	123	lot Cen	2.7500	10200.	87	21480	No
10	GOM_NL__2PRFIN20060409_163334_000000442046_00384_21480_8894.N1	09-APR-2006 16:33:34	Twilight	43.500	106	9Bet Crv	2.6480	5600.0	87	21480	No
11	GOM_NL__2PRFIN20060409_163526_000000402046_00384_21480_8895.N1	09-APR-2006 16:35:26	Twilight	40.000	100	4Gam Crv	2.5800	13100.	80	21480	No
12	GOM_NL__2PRFIN20060409_164005_000000392046_00384_21480_8896.N1	09-APR-2006 16:40:05	Bright	39.000	121	29Gam Vir	2.7400	7200.0	78	21480	No
13	GOM_NL__2PRFIN20060409_164446_000000362046_00384_21480_8897.N1	09-APR-2006 16:44:46	Bright	36.000	62	94Bet Leo	2.1360	9700.0	72	21480	No
14	GOM_NL__2PRFIN20060409_164634_000000352046_00384_21480_8898.N1	09-APR-2006 16:46:34	Bright	35.000	96	68Del Leo	2.5600	9300.0	70	21480	No
15	GOM_NL__2PRFIN20060409_165315_000000372046_00384_21480_8899.N1	09-APR-2006 16:53:15	Bright	37.000	174	52Psi UMa	3.0040	4400.0	74	21480	No
16	GOM_NL__2PRFIN20060409_165557_000000362046_00384_21480_8900.N1	09-APR-2006 16:55:57	Bright	35.500	87	64Gam UMa	2.4330	11000.	71	21480	No
17	GOM_NL__2PRFIN20060409_165723_000000382046_00384_21480_8901.N1	09-APR-2006 16:57:23	Bright	38.000	32	77Eps UMa	1.7630	11000.	76	21480	No
18	GOM_NL__2PRFIN20060409_170350_000000402046_00384_21480_8902.N1	09-APR-2006 17:03:50	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	21480	No
19	GOM_NL__2PRFIN20060409_170612_000000352046_00384_21480_8903.N1	09-APR-2006 17:06:12	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	21480	No
20	GOM_NL__2PRFIN20060409_171342_000000382046_00384_21480_8904.N1	09-APR-2006 17:13:42	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	21480	No
21	GOM_NL__2PRFIN20060409_172312_000000342046_00384_21480_8905.N1	09-APR-2006 17:23:12	Bright	34.000	164	44Eta Peg	2.9480	5400.0	68	21480	No
22	GOM_NL__2PRFIN20060409_172956_000000472046_00384_21480_8906.N1	09-APR-2006 17:29:56	Twilight	46.500	61	8Eps Peg	2.1000	3900.0	93	21480	No
23	GOM_NL__2PRFIN20060409_173224_000000452046_00384_21480_8907.N1	09-APR-2006 17:32:24	Dark	44.500	162	34Alp Aqr	2.9440	5350.0	89	21480	No
24	GOM_NL__2PRFIN20060409_173446_000000482046_00384_21480_8908.N1	09-APR-2006 17:34:46	Dark	47.500	154	22Bet Aqr	2.8990	5700.0	95	21480	No
25	GOM_NL__2PRFIN20060409_173714_000000442046_00384_21480_8909.N1	09-APR-2006 17:37:14	Dark	44.000	142	49Del Cap	2.8500	8900.0	88	21480	No
26	GOM_NL__2PRFIN20060409_174240_000000372046_00384_21480_8910.N1	09-APR-2006 17:42:40	Dark	36.500	172	Gam Gru	3.0030	13100.	73	21480	No
27	GOM_NL__2PRFIN20060409_174934_000000442046_00385_21481_8888.N1	09-APR-2006 17:49:34	Dark	44.000	45	Alp Pav	1.9400	26000.	88	21481	No
28	GOM_NL__2PRFIN20060409_175704_000000502046_00385_21481_8889.N1	09-APR-2006 17:57:04	Dark	50.000	43	Alp TrA	1.9100	4250.0	100	21481	No
29	GOM_NL__2PRFIN20060409_175904_000000382046_00385_21481_8890.N1	09-APR-2006 17:59:04	Dark	37.500	134	Bet TrA	2.8100	6600.0	75	21481	No
30	GOM_NL__2PRFIN20060409_180135_000000442046_00385_21481_8891.N1	09-APR-2006 18:01:35	Straylight	43.500	4	Alp1Cen	-0.010000	5800.0	87	21481	No
31	GOM_NL__2PRFIN20060409_180437_000000482046_00385_21481_8892.N1	09-APR-2006 18:04:37	Straylight	47.500	78	Alp Lup	2.3040	28000.	95	21481	No
32	GOM_NL__2PRFIN20060409_180656_000000382046_00385_21481_8893.N1	09-APR-2006 18:06:56	Straylight	38.000	64	Gam Cen	2.2000	10600.	76	21481	No
33	GOM_NL__2PRFIN20060409_180938_000000412046_00385_21481_8894.N1	09-APR-2006 18:09:38	Straylight	40.500	123	lot Cen	2.7500	10200.	81	21481	No
34	GOM_NL__2PRFIN20060409_181410_000000422046_00385_21481_8895.N1	09-APR-2006 18:14:10	Twilight	41.500	106	9Bet Crv	2.6480	5600.0	83	21481	No
35	GOM_NL__2PRFIN20060409_181602_000000392046_00385_21481_8896.N1	09-APR-2006 18:16:02	Twilight	39.000	100	4Gam Crv	2.5800	13100.	78	21481	No
36	GOM_NL__2PRFIN20060409_182041_000000392046_00385_21481_8897.N1	09-APR-2006 18:20:41	Bright	39.000	121	29Gam Vir	2.7400	7200.0	78	21481	No
37	GOM_NL__2PRFIN20060409_182522_000000362046_00385_21481_8898.N1	09-APR-2006 18:25:22	Bright	36.000	62	94Bet Leo	2.1360	9700.0	72	21481	No
38	GOM_NL__2PRFIN20060409_182710_000000352046_00385_21481_8899.N1	09-APR-2006 18:27:10	Bright	34.500	96	68Del Leo	2.5600	9300.0	69	21481	No
39	GOM_NL__2PRFIN20060409_183352_000000372046_00385_21481_8900.N1	09-APR-2006 18:33:52	Bright	36.500	174	52Psi UMa	3.0040	4400.0	73	21481	No
40	GOM_NL__2PRFIN20060409_183633_000000362046_00385_21481_8901.N1	09-APR-2006 18:36:33	Bright	35.500	87	64Gam UMa	2.4330	11000.	71	21481	No
41	GOM_NL__2PRFIN20060409_183759_000000402046_00385_21481_8902.N1	09-APR-2006 18:37:59	Bright	39.500	32	77Eps UMa	1.7630	11000.	79	21481	No
42	GOM_NL__2PRFIN20060409_184425_000000362046_00385_21481_8903.N1	09-APR-2006 18:44:25	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	21481	No

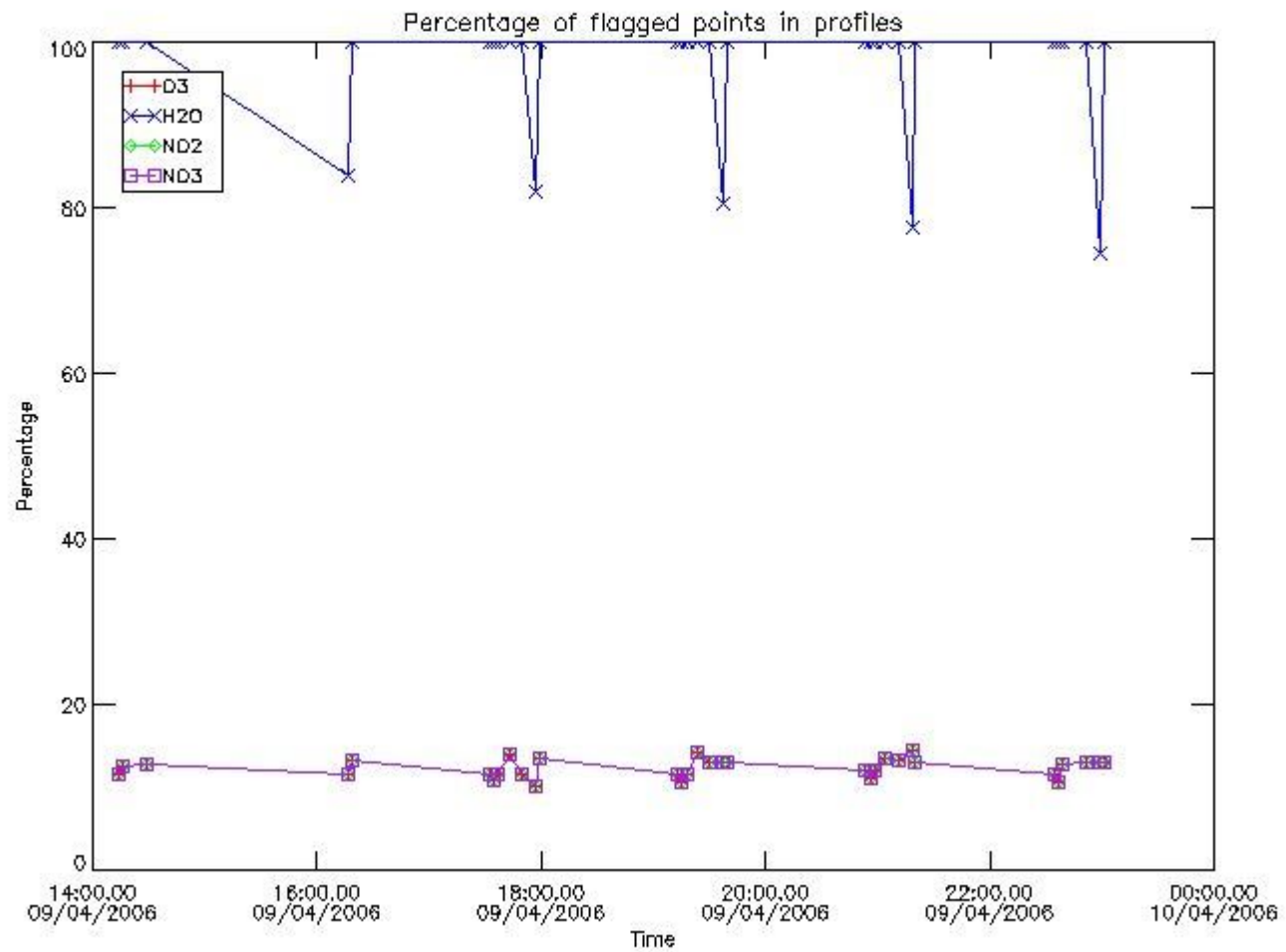
43	GOM_NL__2PRFIN20060409_184648_000000342046_00385_21481_8904.N1	09-APR-2006 18:46:48	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	21481	No
44	GOM_NL__2PRFIN20060409_185418_000000382046_00385_21481_8905.N1	09-APR-2006 18:54:18	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	21481	No
45	GOM_NL__2PRFIN20060409_190348_000000442046_00385_21481_8906.N1	09-APR-2006 19:03:48	Bright	43.500	164	44Eta Peg	2.9480	5400.0	87	21481	No
46	GOM_NL__2PRFIN20060409_191032_000000472046_00385_21481_8907.N1	09-APR-2006 19:10:32	Twi_and_stray	46.500	61	8Eps Peg	2.1000	3900.0	93	21481	No
47	GOM_NL__2PRFIN20060409_191300_000000442046_00385_21481_8908.N1	09-APR-2006 19:13:00	Dark	44.000	162	34Alp Aqr	2.9440	5350.0	88	21481	No
48	GOM_NL__2PRFIN20060409_191522_000000482046_00385_21481_8909.N1	09-APR-2006 19:15:22	Dark	48.000	154	22Bet Aqr	2.8990	5700.0	96	21481	No
49	GOM_NL__2PRFIN20060409_191751_000000442046_00385_21481_8910.N1	09-APR-2006 19:17:51	Dark	44.000	142	49Del Cap	2.8500	8900.0	88	21481	No
50	GOM_NL__2PRFIN20060409_192317_000000362046_00385_21481_8911.N1	09-APR-2006 19:23:17	Dark	36.000	172	Gam Gru	3.0030	13100.	72	21481	No
51	GOM_NL__2PRFIN20060409_193010_000000402046_00386_21482_8888.N1	09-APR-2006 19:30:10	Dark	39.500	45	Alp Pav	1.9400	26000.	79	21482	No
52	GOM_NL__2PRFIN20060409_193740_000000392046_00386_21482_8889.N1	09-APR-2006 19:37:40	Dark	39.000	43	Alp TrA	1.9100	4250.0	78	21482	No
53	GOM_NL__2PRFIN20060409_193941_000000392046_00386_21482_8890.N1	09-APR-2006 19:39:41	Dark	39.000	134	Bet TrA	2.8100	6600.0	78	21482	No
54	GOM_NL__2PRFIN20060409_194211_000000532046_00386_21482_8891.N1	09-APR-2006 19:42:11	Straylight	52.500	4	Alp1Cen	-0.010000	5800.0	105	21482	No
55	GOM_NL__2PRFIN20060409_194513_000000432046_00386_21482_8892.N1	09-APR-2006 19:45:13	Straylight	43.000	78	Alp Lup	2.3040	28000.	86	21482	No
56	GOM_NL__2PRFIN20060409_194732_000000372046_00386_21482_8893.N1	09-APR-2006 19:47:32	Straylight	37.000	64	Gam Cen	2.2000	10600.	74	21482	No
57	GOM_NL__2PRFIN20060409_195014_000000412046_00386_21482_8894.N1	09-APR-2006 19:50:14	Straylight	41.000	123	lot Cen	2.7500	10200.	82	21482	No
58	GOM_NL__2PRFIN20060409_195419_000000452046_00386_21482_8895.N1	09-APR-2006 19:54:19	Twi_and_stray	44.500	169	46Gam Hya	2.9910	4700.0	89	21482	No
59	GOM_NL__2PRFIN20060409_195638_000000402046_00386_21482_8896.N1	09-APR-2006 19:56:38	Twi_and_stray	39.500	100	4Gam Crv	2.5800	13100.	79	21482	No
60	GOM_NL__2PRFIN20060409_200117_000000392046_00386_21482_8897.N1	09-APR-2006 20:01:17	Bright	39.000	121	29Gam Vir	2.7400	7200.0	78	21482	No
61	GOM_NL__2PRFIN20060409_200558_000000362046_00386_21482_8898.N1	09-APR-2006 20:05:58	Bright	36.000	62	94Bet Leo	2.1360	9700.0	72	21482	No
62	GOM_NL__2PRFIN20060409_200746_000000352046_00386_21482_8899.N1	09-APR-2006 20:07:46	Bright	34.500	96	68Del Leo	2.5600	9300.0	69	21482	No
63	GOM_NL__2PRFIN20060409_201428_000000342046_00386_21482_8900.N1	09-APR-2006 20:14:28	Bright	33.500	174	52Psi UMa	3.0040	4400.0	67	21482	No
64	GOM_NL__2PRFIN20060409_201709_000000382046_00386_21482_8901.N1	09-APR-2006 20:17:09	Bright	37.500	87	64Gam UMa	2.4330	11000.	75	21482	No
65	GOM_NL__2PRFIN20060409_201835_000000402046_00386_21482_8902.N1	09-APR-2006 20:18:35	Bright	39.500	32	77Eps UMa	1.7630	11000.	79	21482	No
66	GOM_NL__2PRFIN20060409_202501_000000402046_00386_21482_8903.N1	09-APR-2006 20:25:01	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	21482	No
67	GOM_NL__2PRFIN20060409_202724_000000352046_00386_21482_8904.N1	09-APR-2006 20:27:24	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	21482	No
68	GOM_NL__2PRFIN20060409_203454_000000362046_00386_21482_8905.N1	09-APR-2006 20:34:54	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	21482	No
69	GOM_NL__2PRFIN20060409_204424_000000352046_00386_21482_8906.N1	09-APR-2006 20:44:24	Bright	35.000	164	44Eta Peg	2.9480	5400.0	70	21482	No
70	GOM_NL__2PRFIN20060409_205108_000000482046_00386_21482_8907.N1	09-APR-2006 20:51:08	Twi_and_stray	48.000	61	8Eps Peg	2.1000	3900.0	96	21482	No
71	GOM_NL__2PRFIN20060409_205337_000000432046_00386_21482_8908.N1	09-APR-2006 20:53:37	Dark	42.500	162	34Alp Aqr	2.9440	5350.0	85	21482	No
72	GOM_NL__2PRFIN20060409_205559_000000462046_00386_21482_8909.N1	09-APR-2006 20:55:59	Dark	46.000	154	22Bet Aqr	2.8990	5700.0	92	21482	No
73	GOM_NL__2PRFIN20060409_205827_000000432046_00386_21482_8910.N1	09-APR-2006 20:58:27	Dark	42.500	142	49Del Cap	2.8500	8900.0	85	21482	No
74	GOM_NL__2PRFIN20060409_210353_000000382046_00386_21482_8911.N1	09-APR-2006 21:03:53	Dark	37.500	172	Gam Gru	3.0030	13100.	75	21482	No
75	GOM_NL__2PRFIN20060409_211047_000000392046_00387_21483_8888.N1	09-APR-2006 21:10:47	Dark	38.500	45	Alp Pav	1.9400	26000.	77	21483	No
76	GOM_NL__2PRFIN20060409_211816_000000392046_00387_21483_8889.N1	09-APR-2006 21:18:16	Dark	38.500	43	Alp TrA	1.9100	4250.0	77	21483	No
77	GOM_NL__2PRFIN20060409_212017_000000402046_00387_21483_8890.N1	09-APR-2006 21:20:17	Dark	39.500	134	Bet TrA	2.8100	6600.0	79	21483	No
78	GOM_NL__2PRFIN20060409_212248_000000452046_00387_21483_8891.N1	09-APR-2006 21:22:48	Straylight	45.000	4	Alp1Cen	-0.010000	5800.0	90	21483	No
79	GOM_NL__2PRFIN20060409_212549_000000432046_00387_21483_8892.N1	09-APR-2006 21:25:49	Straylight	43.000	78	Alp Lup	2.3040	28000.	86	21483	No
80	GOM_NL__2PRFIN20060409_212808_000000382046_00387_21483_8893.N1	09-APR-2006 21:28:08	Straylight	38.000	64	Gam Cen	2.2000	10600.	76	21483	No
81	GOM_NL__2PRFIN20060409_213050_000000412046_00387_21483_8894.N1	09-APR-2006 21:30:50	Straylight	41.000	123	lot Cen	2.7500	10200.	82	21483	No
82	GOM_NL__2PRFIN20060409_213456_000000482046_00387_21483_8895.N1	09-APR-2006 21:34:56	Twi_and_stray	47.500	169	46Gam Hya	2.9910	4700.0	95	21483	No
83	GOM_NL__2PRFIN20060409_213714_000000412046_00387_21483_8896.N1	09-APR-2006 21:37:14	Twi_and_stray	40.500	100	4Gam Crv	2.5800	13100.	81	21483	No
84	GOM_NL__2PRFIN20060409_214153_000000402046_00387_21483_8897.N1	09-APR-2006 21:41:53	Bright	39.500	121	29Gam Vir	2.7400	7200.0	79	21483	No
85	GOM_NL__2PRFIN20060409_214634_000000362046_00387_21483_8898.N1	09-APR-2006 21:46:34	Bright	35.500	62	94Bet Leo	2.1360	9700.0	71	21483	No
86	GOM_NL__2PRFIN20060409_214822_000000352046_00387_21483_8899.N1	09-APR-2006 21:48:22	Bright	34.500	96	68Del Leo	2.5600	9300.0	69	21483	No
87	GOM_NL__2PRFIN20060409_215504_000000362046_00387_21483_8900.N1	09-APR-2006 21:55:04	Bright	35.500	174	52Psi UMa	3.0040	4400.0	71	21483	No
88	GOM_NL__2PRFIN20060409_215745_000000352046_00387_21483_8901.N1	09-APR-2006 21:57:45	Bright	34.500	87	64Gam UMa	2.4330	11000.	69	21483	No
89	GOM_NL__2PRFIN20060409_215910_000000402046_00387_21483_8902.N1	09-APR-2006 21:59:10	Bright	40.000	32	77Eps UMa	1.7630	11000.	80	21483	No
90	GOM_NL__2PRFIN20060409_220537_000000392046_00387_21483_8903.N1	09-APR-2006 22:05:37	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	21483	No
91	GOM_NL__2PRFIN20060409_220800_000000362046_00387_21483_8904.N1	09-APR-2006 22:08:00	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	21483	No
92	GOM_NL__2PRFIN20060409_221529_000000392046_00387_21483_8905.N1	09-APR-2006 22:15:29	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	21483	No
93	GOM_NL__2PRFIN20060409_222500_000000342046_00387_21483_8906.N1	09-APR-2006 22:25:00	Bright	34.000	164	44Eta Peg	2.9480	5400.0	68	21483	No
94	GOM_NL__2PRFIN20060409_223144_000000462046_00387_21483_8907.N1	09-APR-2006 22:31:44	Twi_and_stray	46.000	61	8Eps Peg	2.1000	3900.0	92	21483	No
95	GOM_NL__2PRFIN20060409_223413_000000442046_00387_21483_8908.N1	09-APR-2006 22:34:13	Dark	44.000	162	34Alp Aqr	2.9440	5350.0	88	21483	No
96	GOM_NL__2PRFIN20060409_223635_000000482046_00387_21483_8909.N1	09-APR-2006 22:36:35	Dark	48.000	154	22Bet Aqr	2.8990	5700.0	96	21483	No
97	GOM_NL__2PRFIN20060409_223903_000000402046_00387_21483_8910.N1	09-APR-2006 22:39:03	Dark	40.000	142	49Del Cap	2.8500	8900.0	80	21483	No
98	GOM_NL__2PRFIN20060409_225123_000000402046_00388_21484_8888.N1	09-APR-2006 22:51:23	Dark	39.500	45	Alp Pav	1.9400	26000.	79	21484	No
99	GOM_NL__2PRFIN20060409_225853_000000402046_00388_21484_8889.N1	09-APR-2006 22:58:53	Dark	39.500	43	Alp TrA	1.9100	4250.0	79	21484	No
100	GOM_NL__2PRFIN20060409_230053_000000402046_00388_21484_8890.N1	09-APR-2006 23:00:53	Dark	39.500	134	Bet TrA	2.8100	6600.0	79	21484	No
101	GOM_NL__2PRFIN20060409_230324_000000452046_00388_21484_8891.N1	09-APR-2006 23:03:24	Straylight	44.500	4	Alp1Cen	-0.010000	5800.0	89	21484	No

102	GOM_NL__2PRFIN20060409_230626_000000452046_00388_21484_8892.N1	09-APR-2006 23:06:26	Straylight	44.500	78	Alp Lup	2.3040	28000.	89	21484	No
103	GOM_NL__2PRFIN20060409_230844_000000392046_00388_21484_8893.N1	09-APR-2006 23:08:44	Straylight	39.000	64	Gam Cen	2.2000	10600.	78	21484	No
104	GOM_NL__2PRFIN20060409_231126_000000422046_00388_21484_8894.N1	09-APR-2006 23:11:26	Straylight	42.000	123	lot Cen	2.7500	10200.	84	21484	No
105	GOM_NL__2PRFIN20060409_231558_000000412046_00388_21484_8895.N1	09-APR-2006 23:15:58	Tw_i_and_stray	40.500	106	9Bet Crv	2.6480	5600.0	81	21484	No
106	GOM_NL__2PRFIN20060409_231750_000000392046_00388_21484_8896.N1	09-APR-2006 23:17:50	Tw_i_and_stray	38.500	100	4Gam Crv	2.5800	13100.	77	21484	No
107	GOM_NL__2PRFIN20060409_232229_000000402046_00388_21484_8897.N1	09-APR-2006 23:22:29	Bright	39.500	121	29Gam Vir	2.7400	7200.0	79	21484	No
108	GOM_NL__2PRFIN20060409_232709_000000362046_00388_21484_8898.N1	09-APR-2006 23:27:09	Bright	35.500	62	94Bet Leo	2.1360	9700.0	71	21484	No
109	GOM_NL__2PRFIN20060409_232858_000000432046_00388_21484_8899.N1	09-APR-2006 23:28:58	Bright	42.500	96	68Del Leo	2.5600	9300.0	85	21484	No
110	GOM_NL__2PRFIN20060409_233540_000000352046_00388_21484_8900.N1	09-APR-2006 23:35:40	Bright	35.000	174	52Psi UMa	3.0040	4400.0	70	21484	No
111	GOM_NL__2PRFIN20060409_233821_000000362046_00388_21484_8901.N1	09-APR-2006 23:38:21	Bright	35.500	87	64Gam UMa	2.4330	11000.	71	21484	No
112	GOM_NL__2PRFIN20060409_233946_000000372046_00388_21484_8902.N1	09-APR-2006 23:39:46	Bright	37.000	32	77Eps UMa	1.7630	11000.	74	21484	No
113	GOM_NL__2PRFIN20060409_234612_000000392046_00388_21484_8903.N1	09-APR-2006 23:46:12	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	21484	No
114	GOM_NL__2PRFIN20060409_234836_000000362046_00388_21484_8904.N1	09-APR-2006 23:48:36	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	21484	No
115	GOM_NL__2PRFIN20060409_235605_000000372046_00388_21484_8905.N1	09-APR-2006 23:56:05	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	21484	No

3. Quality information per product

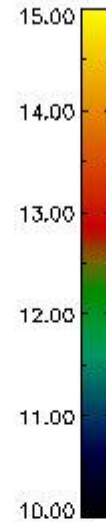
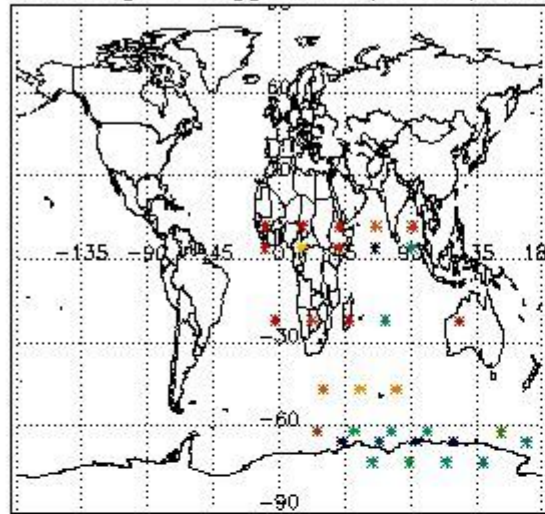
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

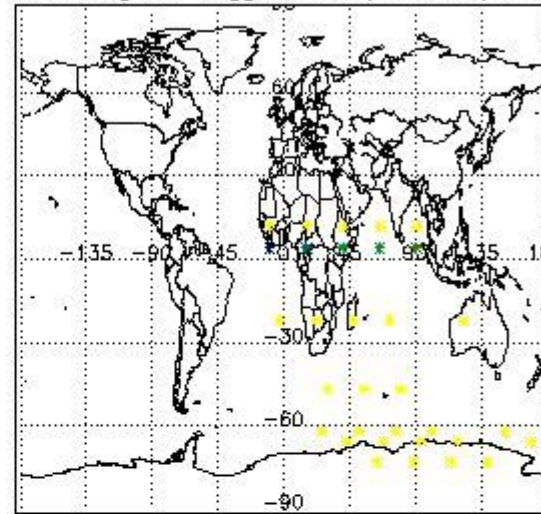


3.2 Plot quality information per product (world map)

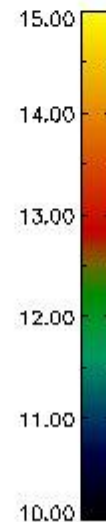
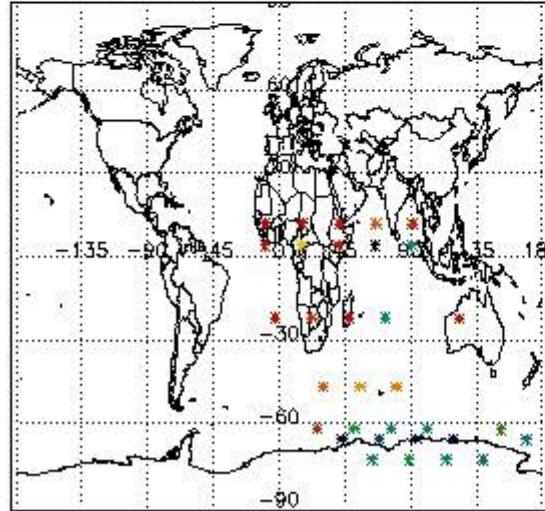
Percentage of flagged data per O3 profile



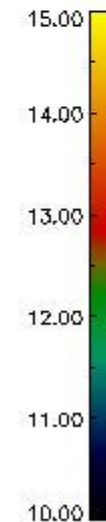
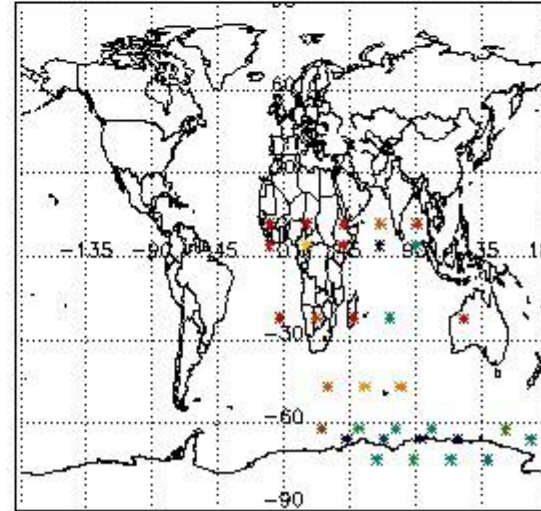
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

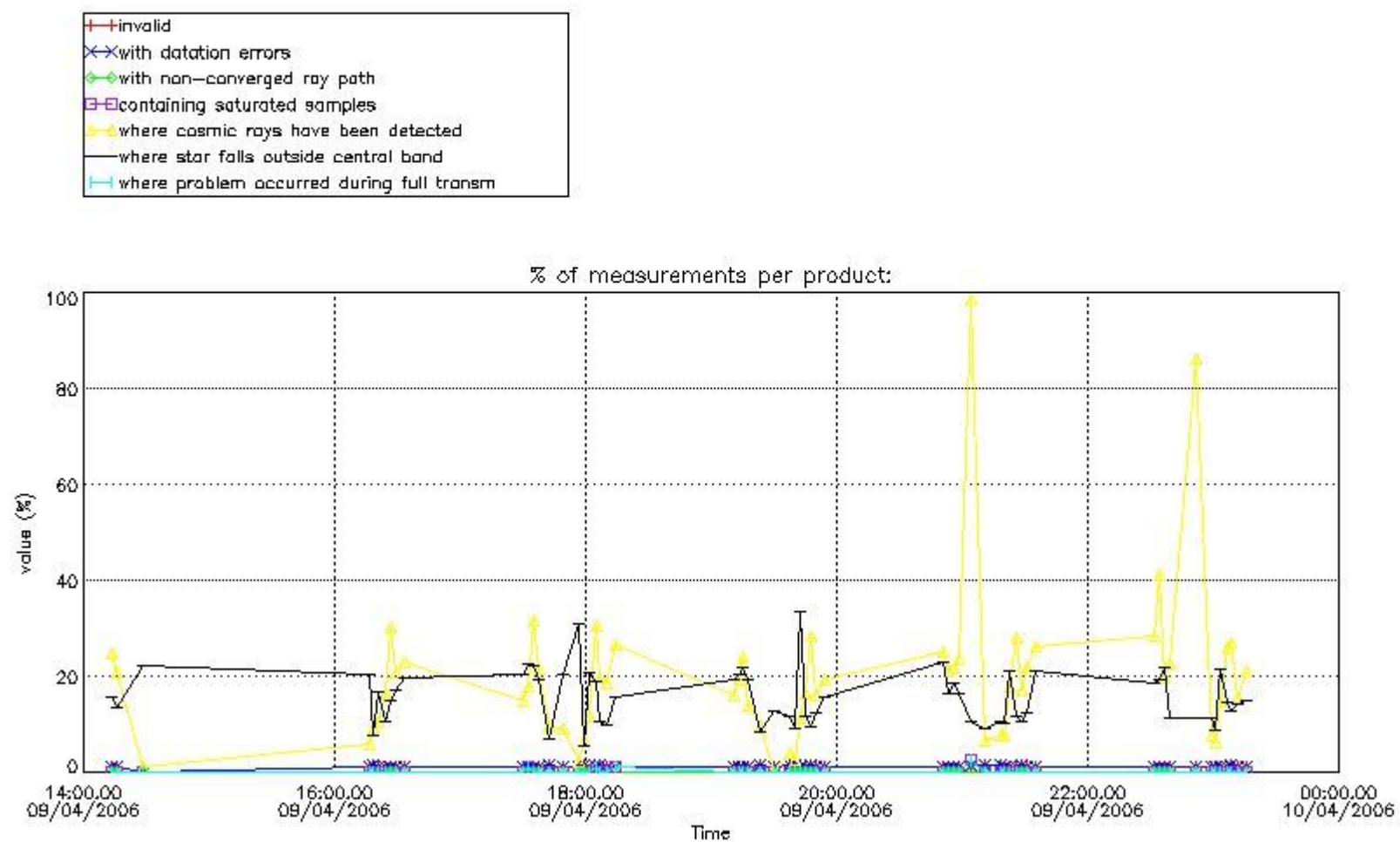


4. Level 1 quality information per product

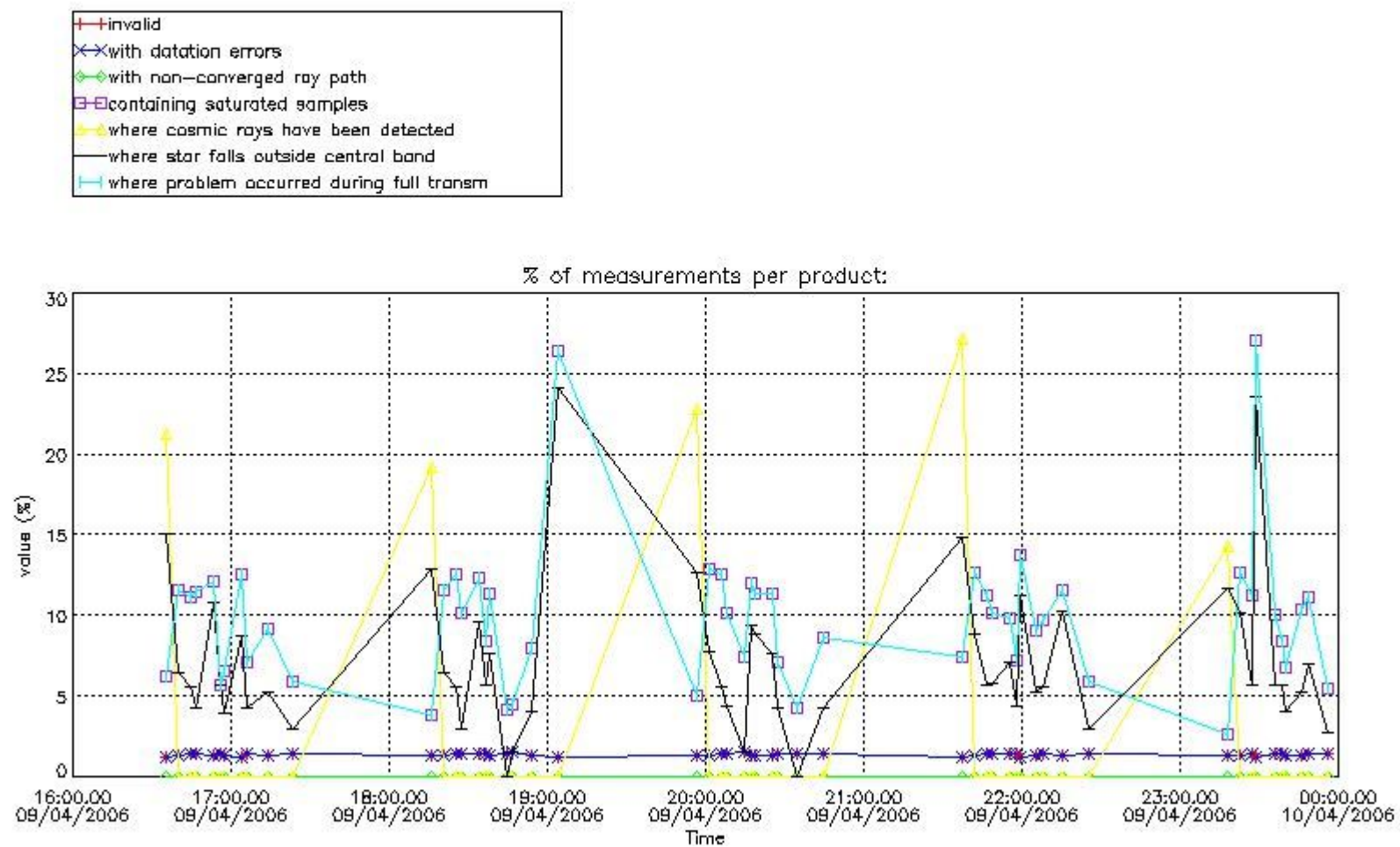
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



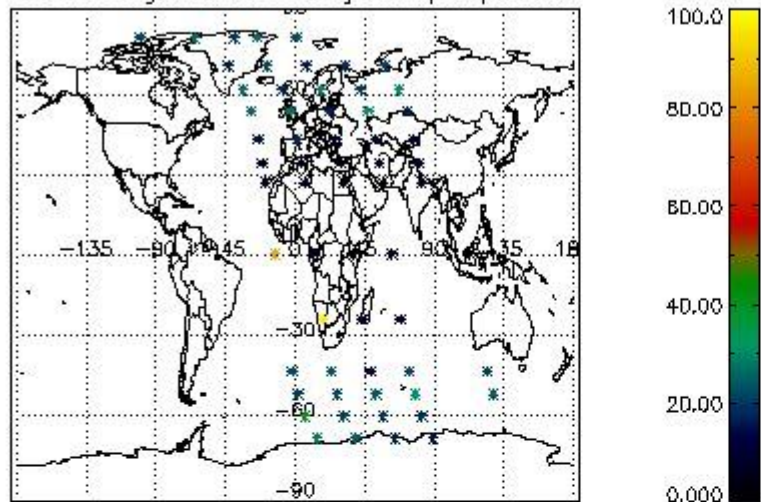
4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



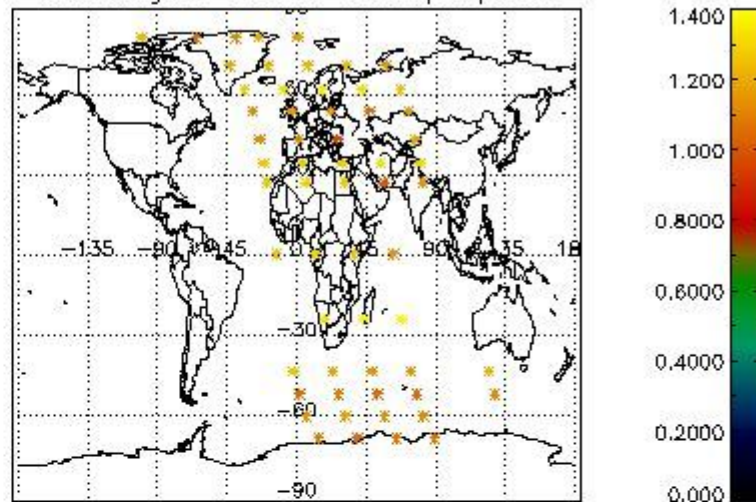
4.2 Plot quality information per product coming from level 1b processing (world map)

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

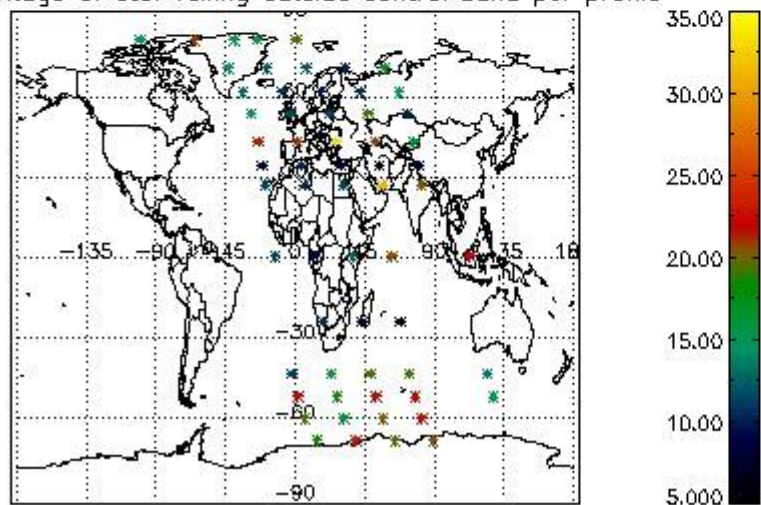
Percentage of cosmic ray hits per profile



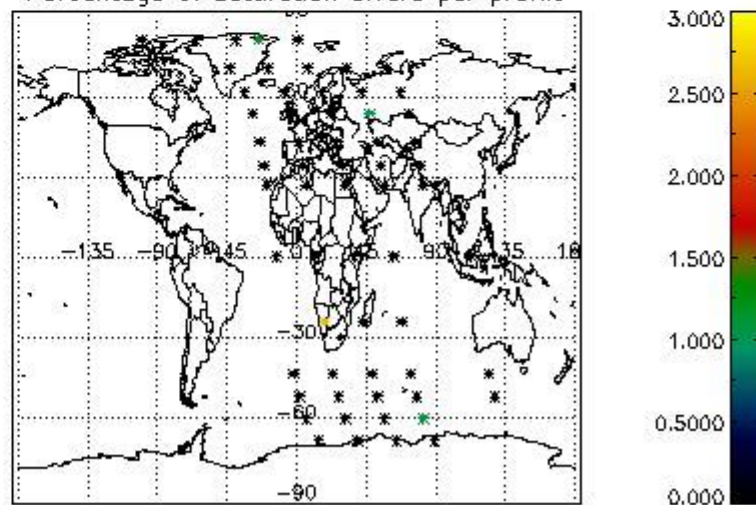
Percentage of datation errors per profile



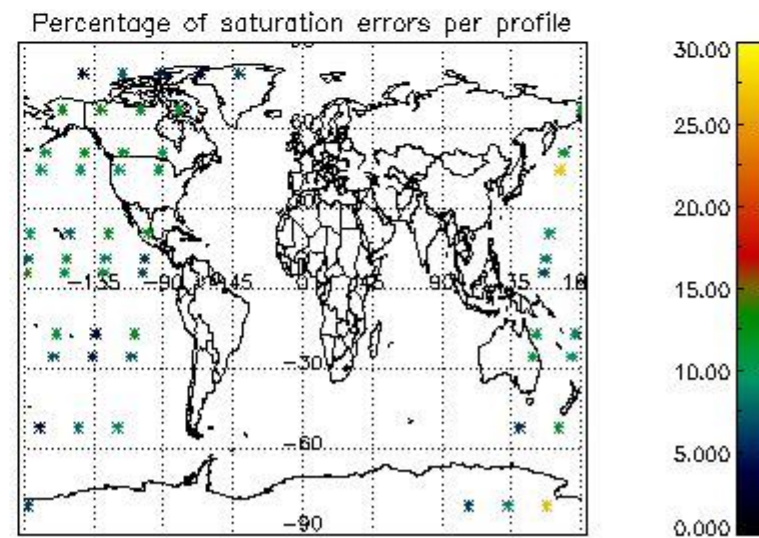
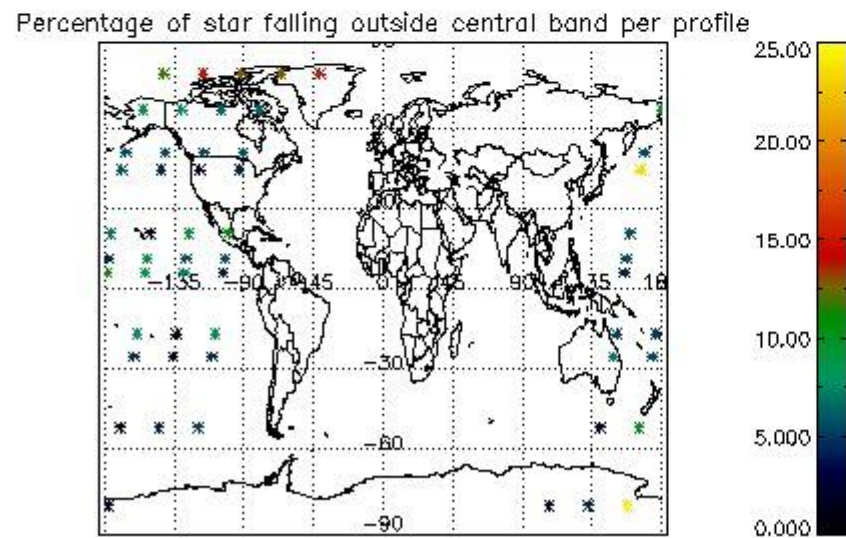
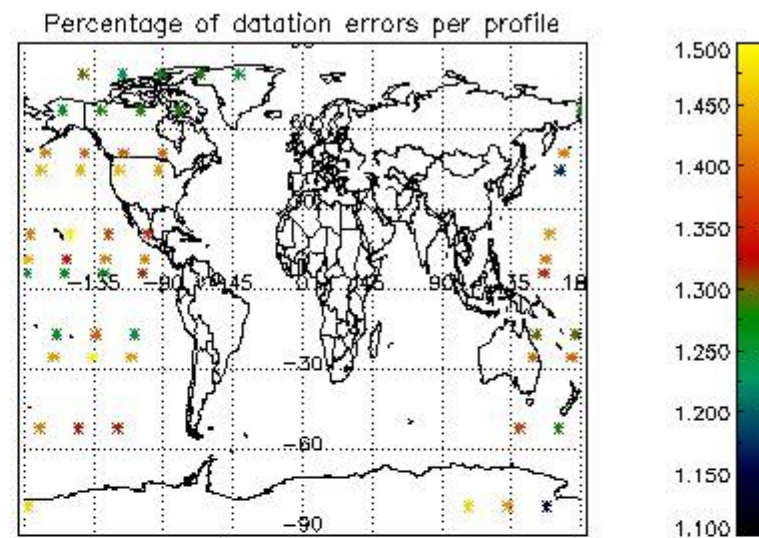
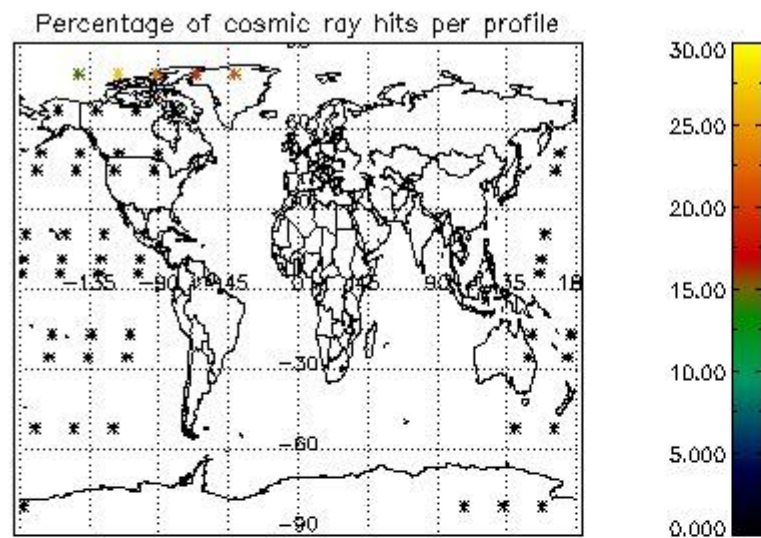
Percentage of star falling outside central band per profile



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

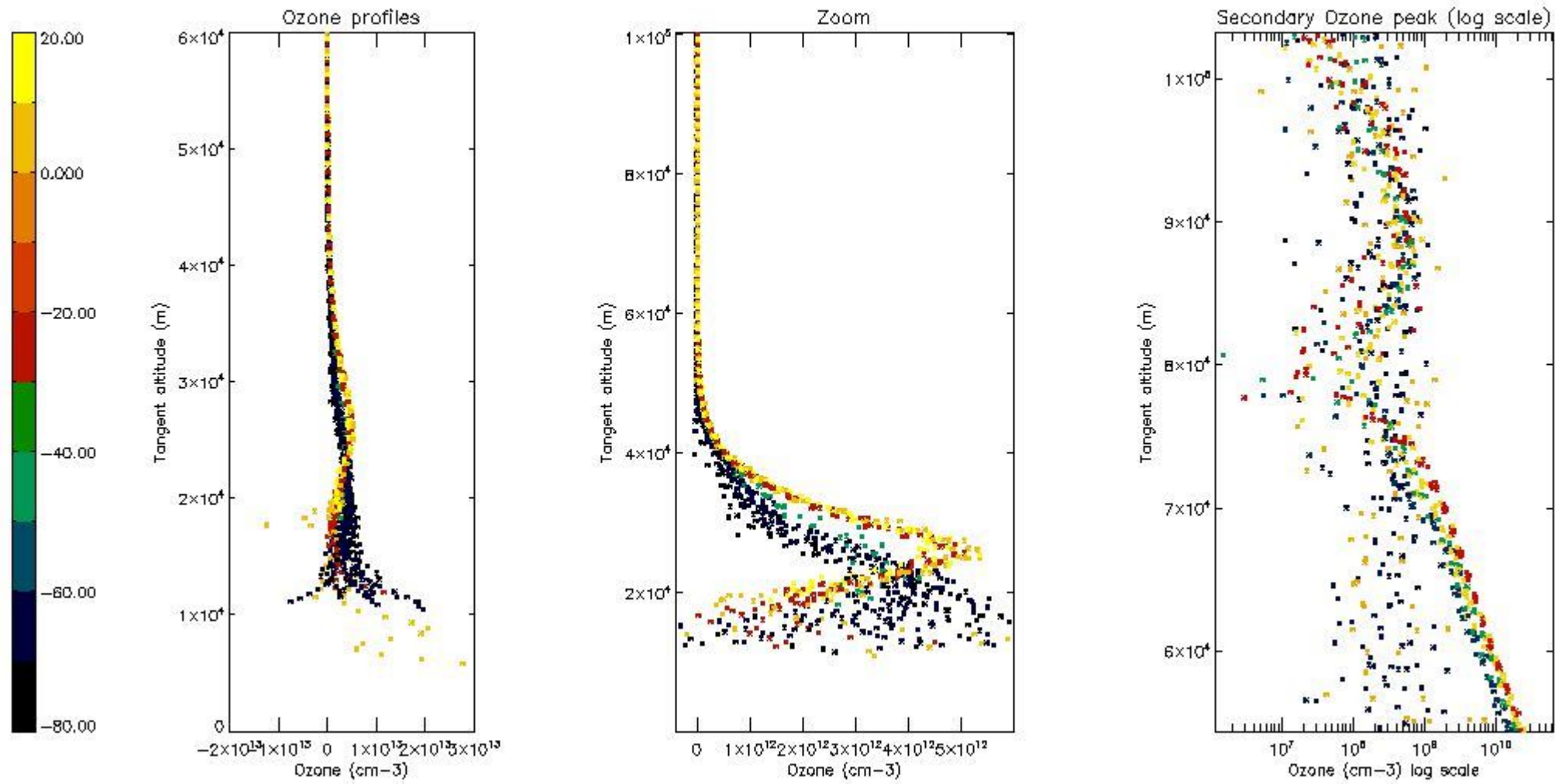
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	30
STD < 20	13

STD < 10	8
STD < 5	3

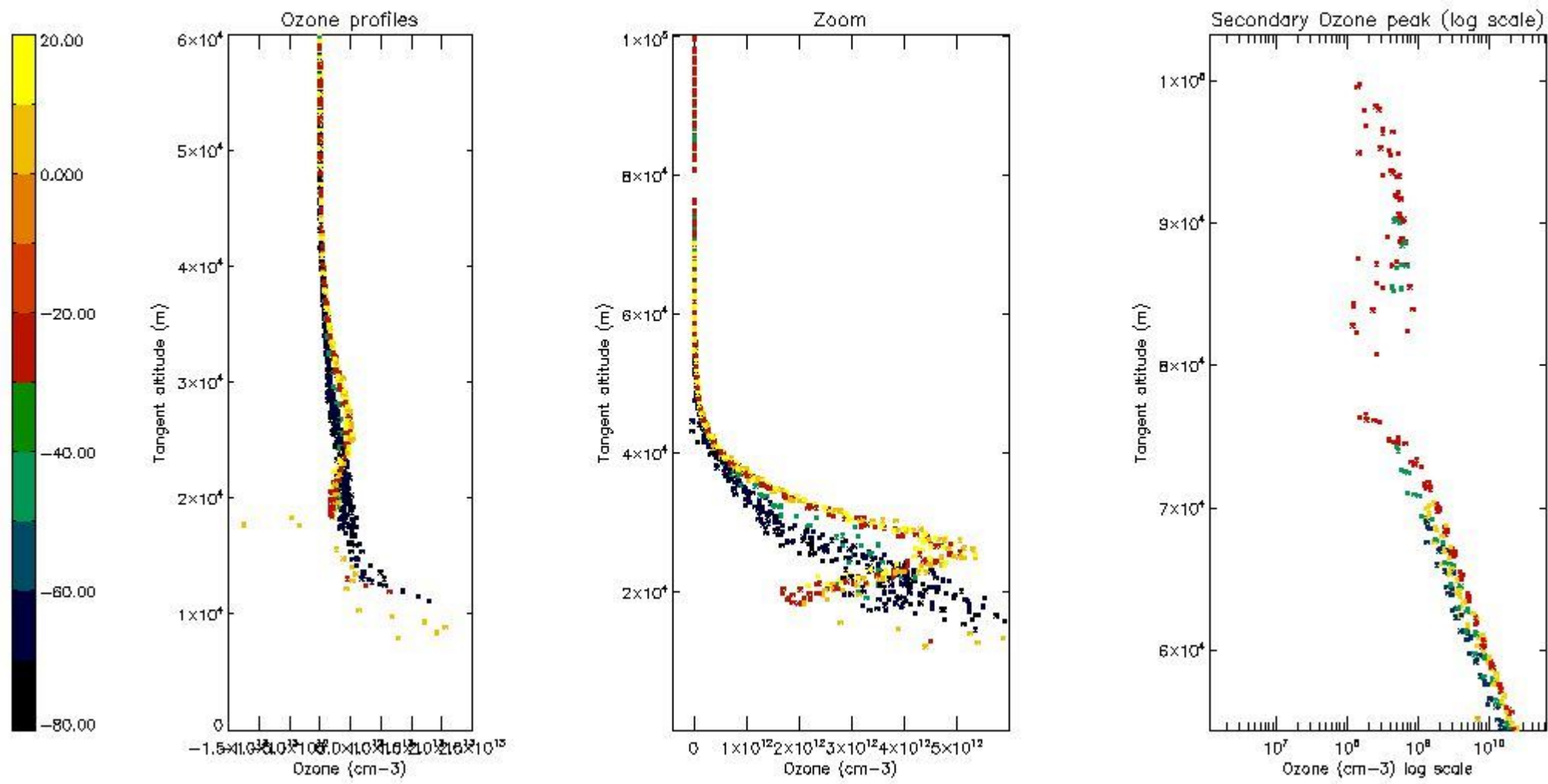
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



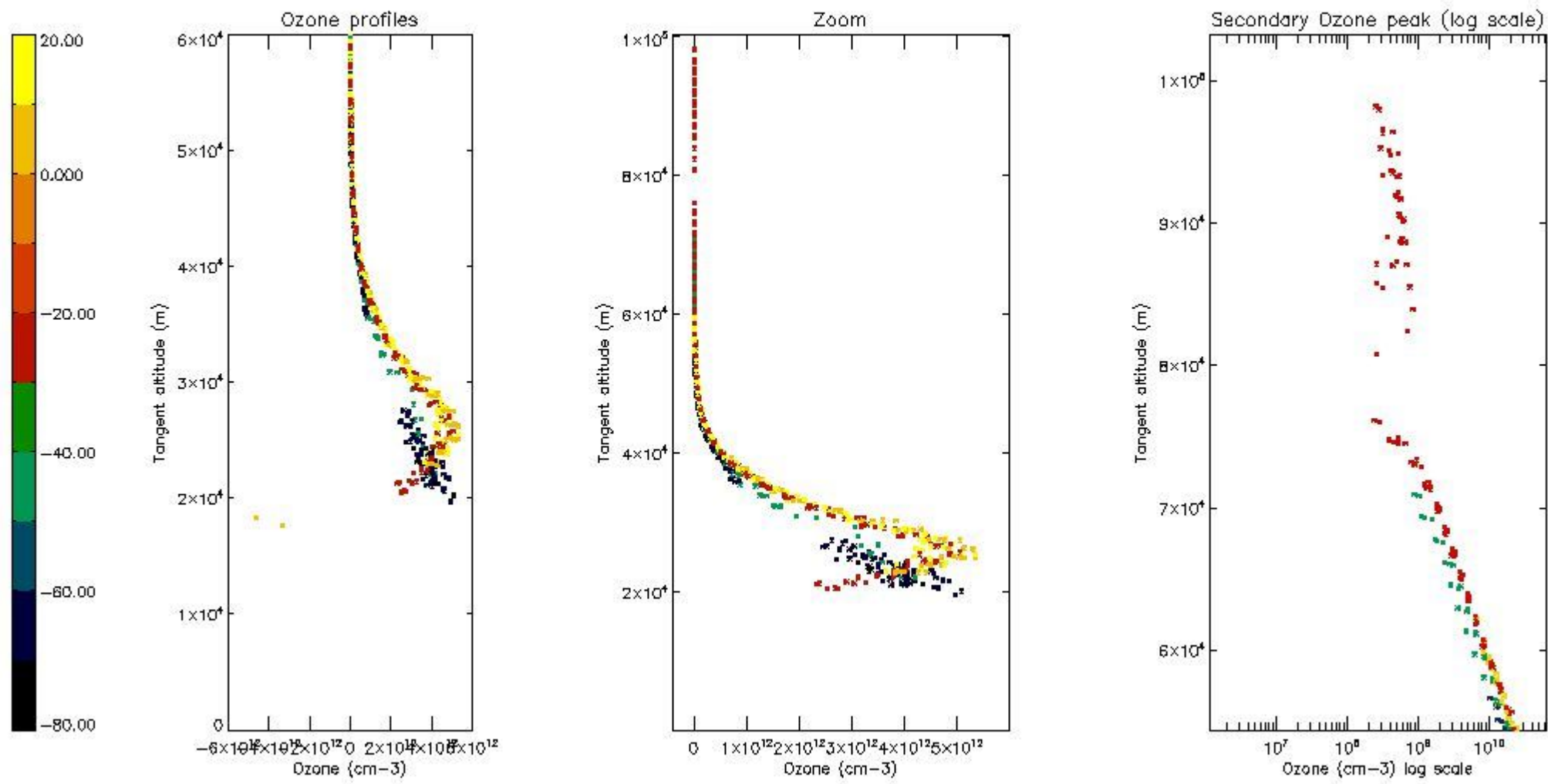
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



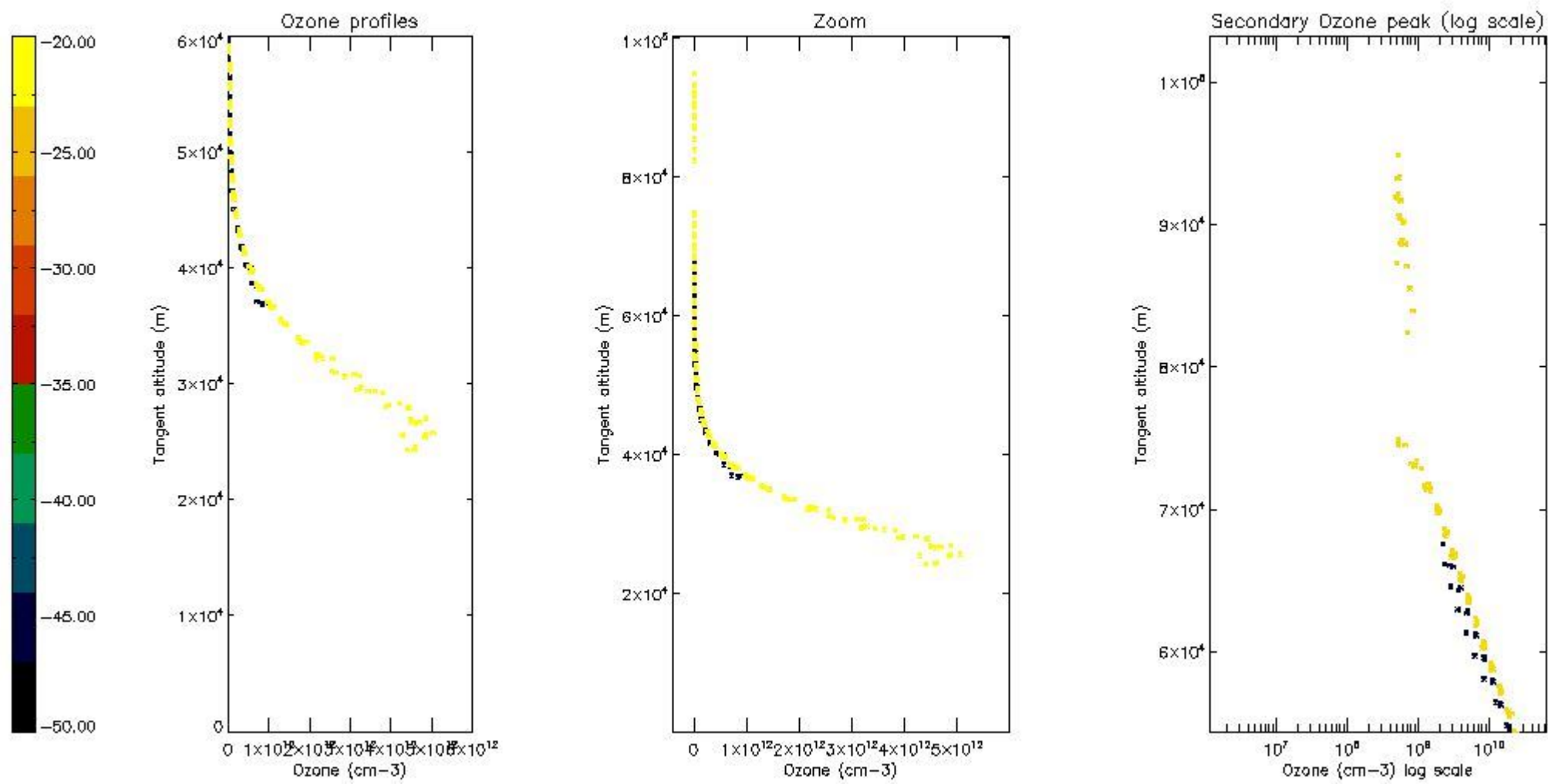
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



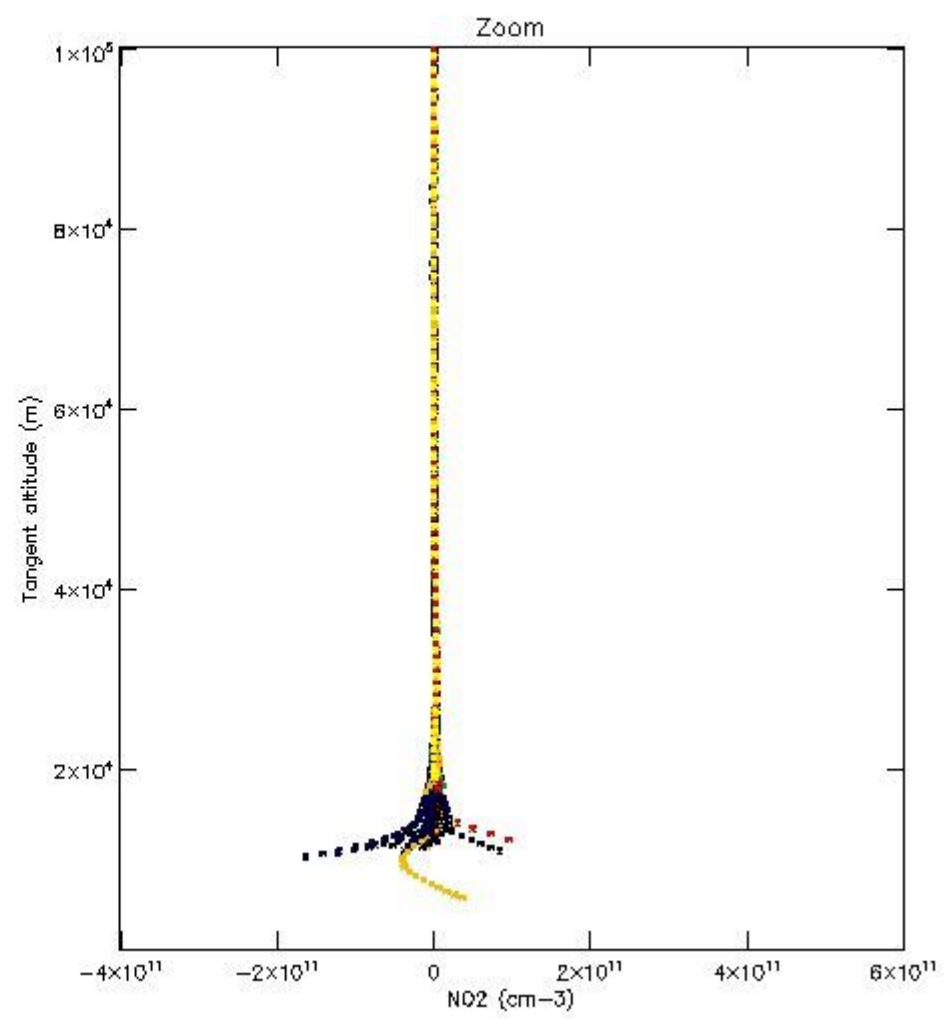
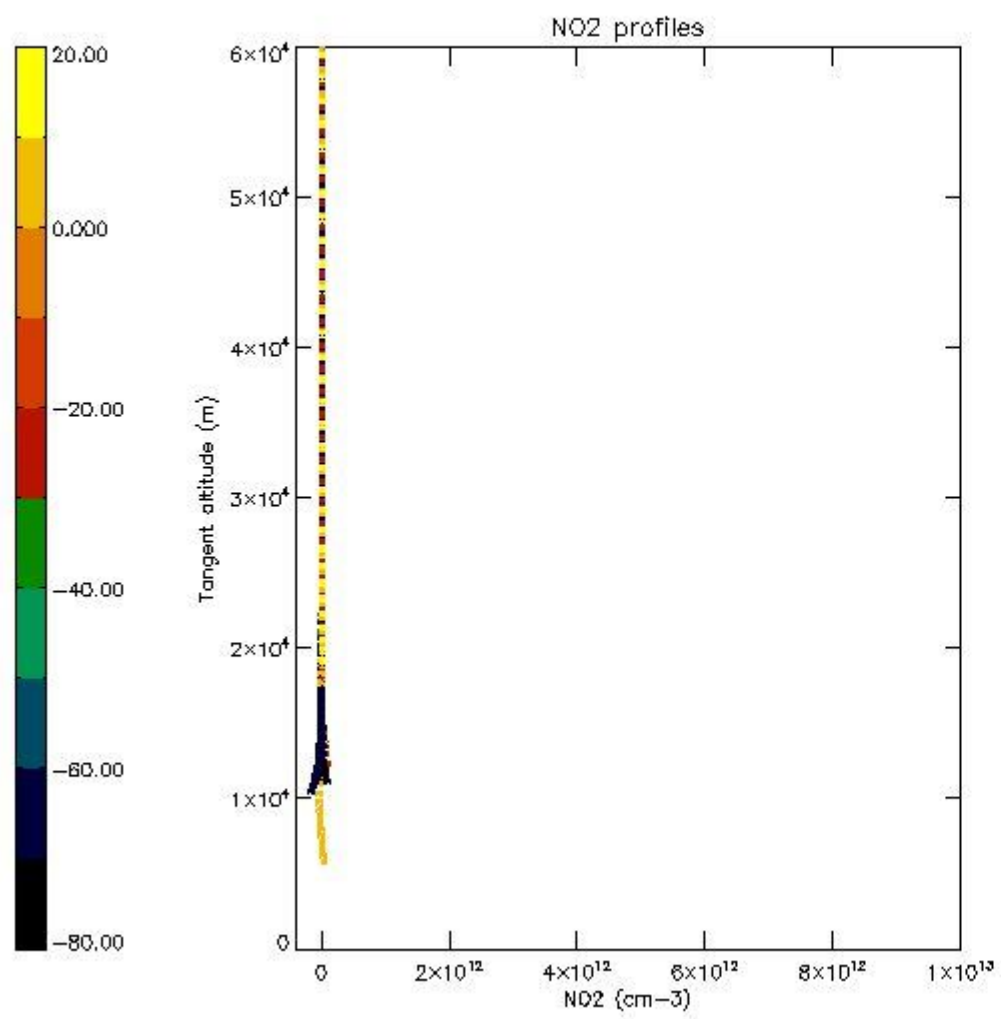
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



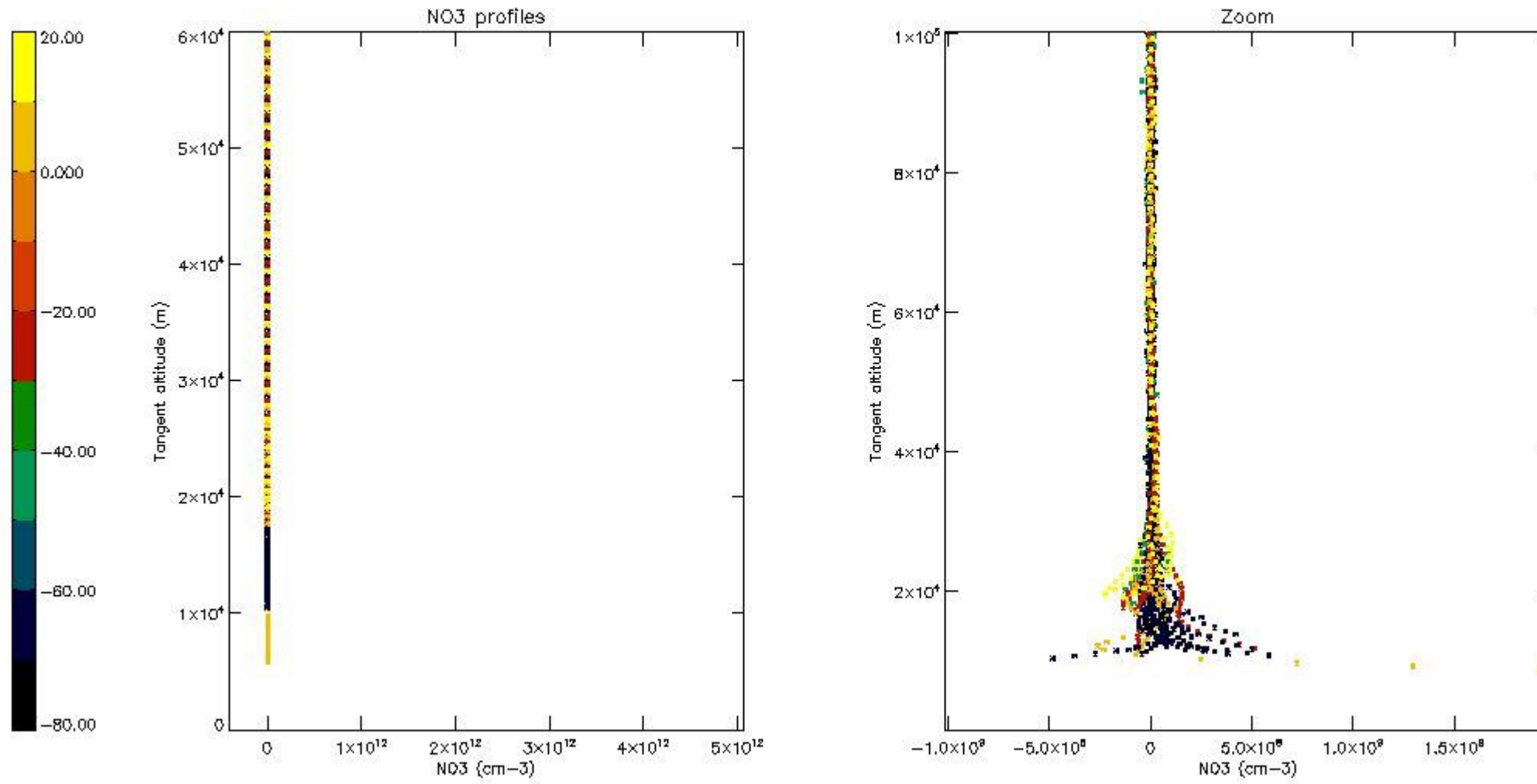
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	09-APR-2006 14:13:33
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	09-APR-2006 14:13:33
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	09-APR-2006 14:13:33

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

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

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

[3.1 Plot of level 2 quality information per product \(time dependant\)](#)

[3.2 Plot of level 2 quality information per product \(world map\)](#)

[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](#)

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

[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 17:42:06
Data source version	GOMOS/6.01
Start time of products	09-04-2006 (09APR2006 00:00:00)
Stop time of products	10-04-2006 (10APR2006 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	115
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__2PRFIN20060409_141333_000000452046_00382_21478_8868.N1	09-APR-2006 14:13:33	Dark	44.500	154	22Bet Aqr	2.8990	5700.0	89	21478	No
2	GOM_NL__2PRFIN20060409_141601_000000412046_00382_21478_8869.N1	09-APR-2006 14:16:01	Dark	41.000	142	49Del Cap	2.8500	8900.0	82	21478	No
3	GOM_NL__2PRFIN20060409_142821_000000432046_00383_21479_8888.N1	09-APR-2006 14:28:21	Dark	43.000	45	Alp Pav	1.9400	26000.	86	21479	No
4	GOM_NL__2PRFIN20060409_161627_000000442046_00384_21480_8888.N1	09-APR-2006 16:16:27	Dark	44.000	43	Alp TrA	1.9100	4250.0	88	21480	No
5	GOM_NL__2PRFIN20060409_161828_000000392046_00384_21480_8889.N1	09-APR-2006 16:18:28	Dark	38.500	134	Bet TrA	2.8100	6600.0	77	21480	No
6	GOM_NL__2PRFIN20060409_162059_000000422046_00384_21480_8890.N1	09-APR-2006 16:20:59	Straylight	42.000	4	Alp1Cen	-0.010000	5800.0	84	21480	No
7	GOM_NL__2PRFIN20060409_162400_000000432046_00384_21480_8891.N1	09-APR-2006 16:24:00	Straylight	43.000	78	Alp Lup	2.3040	28000.	86	21480	No
8	GOM_NL__2PRFIN20060409_162620_000000402046_00384_21480_8892.N1	09-APR-2006 16:26:20	Straylight	40.000	64	Gam Cen	2.2000	10600.	80	21480	No
9	GOM_NL__2PRFIN20060409_162902_000000442046_00384_21480_8893.N1	09-APR-2006 16:29:02	Straylight	43.500	123	lot Cen	2.7500	10200.	87	21480	No
10	GOM_NL__2PRFIN20060409_163334_000000442046_00384_21480_8894.N1	09-APR-2006 16:33:34	Twilight	43.500	106	9Bet Crv	2.6480	5600.0	87	21480	No
11	GOM_NL__2PRFIN20060409_163526_000000402046_00384_21480_8895.N1	09-APR-2006 16:35:26	Twilight	40.000	100	4Gam Crv	2.5800	13100.	80	21480	No
12	GOM_NL__2PRFIN20060409_164005_000000392046_00384_21480_8896.N1	09-APR-2006 16:40:05	Bright	39.000	121	29Gam Vir	2.7400	7200.0	78	21480	No
13	GOM_NL__2PRFIN20060409_164446_000000362046_00384_21480_8897.N1	09-APR-2006 16:44:46	Bright	36.000	62	94Bet Leo	2.1360	9700.0	72	21480	No
14	GOM_NL__2PRFIN20060409_164634_000000352046_00384_21480_8898.N1	09-APR-2006 16:46:34	Bright	35.000	96	68Del Leo	2.5600	9300.0	70	21480	No
15	GOM_NL__2PRFIN20060409_165315_000000372046_00384_21480_8899.N1	09-APR-2006 16:53:15	Bright	37.000	174	52Psi UMa	3.0040	4400.0	74	21480	No
16	GOM_NL__2PRFIN20060409_165557_000000362046_00384_21480_8900.N1	09-APR-2006 16:55:57	Bright	35.500	87	64Gam UMa	2.4330	11000.	71	21480	No
17	GOM_NL__2PRFIN20060409_165723_000000382046_00384_21480_8901.N1	09-APR-2006 16:57:23	Bright	38.000	32	77Eps UMa	1.7630	11000.	76	21480	No
18	GOM_NL__2PRFIN20060409_170350_000000402046_00384_21480_8902.N1	09-APR-2006 17:03:50	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	21480	No
19	GOM_NL__2PRFIN20060409_170612_000000352046_00384_21480_8903.N1	09-APR-2006 17:06:12	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	21480	No
20	GOM_NL__2PRFIN20060409_171342_000000382046_00384_21480_8904.N1	09-APR-2006 17:13:42	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	21480	No
21	GOM_NL__2PRFIN20060409_172312_000000342046_00384_21480_8905.N1	09-APR-2006 17:23:12	Bright	34.000	164	44Eta Peg	2.9480	5400.0	68	21480	No
22	GOM_NL__2PRFIN20060409_172956_000000472046_00384_21480_8906.N1	09-APR-2006 17:29:56	Twilight	46.500	61	8Eps Peg	2.1000	3900.0	93	21480	No
23	GOM_NL__2PRFIN20060409_173224_000000452046_00384_21480_8907.N1	09-APR-2006 17:32:24	Dark	44.500	162	34Alp Aqr	2.9440	5350.0	89	21480	No
24	GOM_NL__2PRFIN20060409_173446_000000482046_00384_21480_8908.N1	09-APR-2006 17:34:46	Dark	47.500	154	22Bet Aqr	2.8990	5700.0	95	21480	No
25	GOM_NL__2PRFIN20060409_173714_000000442046_00384_21480_8909.N1	09-APR-2006 17:37:14	Dark	44.000	142	49Del Cap	2.8500	8900.0	88	21480	No
26	GOM_NL__2PRFIN20060409_174240_000000372046_00384_21480_8910.N1	09-APR-2006 17:42:40	Dark	36.500	172	Gam Gru	3.0030	13100.	73	21480	No
27	GOM_NL__2PRFIN20060409_174934_000000442046_00385_21481_8888.N1	09-APR-2006 17:49:34	Dark	44.000	45	Alp Pav	1.9400	26000.	88	21481	No
28	GOM_NL__2PRFIN20060409_175704_000000502046_00385_21481_8889.N1	09-APR-2006 17:57:04	Dark	50.000	43	Alp TrA	1.9100	4250.0	100	21481	No
29	GOM_NL__2PRFIN20060409_175904_000000382046_00385_21481_8890.N1	09-APR-2006 17:59:04	Dark	37.500	134	Bet TrA	2.8100	6600.0	75	21481	No
30	GOM_NL__2PRFIN20060409_180135_000000442046_00385_21481_8891.N1	09-APR-2006 18:01:35	Straylight	43.500	4	Alp1Cen	-0.010000	5800.0	87	21481	No
31	GOM_NL__2PRFIN20060409_180437_000000482046_00385_21481_8892.N1	09-APR-2006 18:04:37	Straylight	47.500	78	Alp Lup	2.3040	28000.	95	21481	No
32	GOM_NL__2PRFIN20060409_180656_000000382046_00385_21481_8893.N1	09-APR-2006 18:06:56	Straylight	38.000	64	Gam Cen	2.2000	10600.	76	21481	No
33	GOM_NL__2PRFIN20060409_180938_000000412046_00385_21481_8894.N1	09-APR-2006 18:09:38	Straylight	40.500	123	lot Cen	2.7500	10200.	81	21481	No
34	GOM_NL__2PRFIN20060409_181410_000000422046_00385_21481_8895.N1	09-APR-2006 18:14:10	Twilight	41.500	106	9Bet Crv	2.6480	5600.0	83	21481	No
35	GOM_NL__2PRFIN20060409_181602_000000392046_00385_21481_8896.N1	09-APR-2006 18:16:02	Twilight	39.000	100	4Gam Crv	2.5800	13100.	78	21481	No
36	GOM_NL__2PRFIN20060409_182041_000000392046_00385_21481_8897.N1	09-APR-2006 18:20:41	Bright	39.000	121	29Gam Vir	2.7400	7200.0	78	21481	No
37	GOM_NL__2PRFIN20060409_182522_000000362046_00385_21481_8898.N1	09-APR-2006 18:25:22	Bright	36.000	62	94Bet Leo	2.1360	9700.0	72	21481	No
38	GOM_NL__2PRFIN20060409_182710_000000352046_00385_21481_8899.N1	09-APR-2006 18:27:10	Bright	34.500	96	68Del Leo	2.5600	9300.0	69	21481	No
39	GOM_NL__2PRFIN20060409_183352_000000372046_00385_21481_8900.N1	09-APR-2006 18:33:52	Bright	36.500	174	52Psi UMa	3.0040	4400.0	73	21481	No
40	GOM_NL__2PRFIN20060409_183633_000000362046_00385_21481_8901.N1	09-APR-2006 18:36:33	Bright	35.500	87	64Gam UMa	2.4330	11000.	71	21481	No
41	GOM_NL__2PRFIN20060409_183759_000000402046_00385_21481_8902.N1	09-APR-2006 18:37:59	Bright	39.500	32	77Eps UMa	1.7630	11000.	79	21481	No
42	GOM_NL__2PRFIN20060409_184425_000000362046_00385_21481_8903.N1	09-APR-2006 18:44:25	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	21481	No

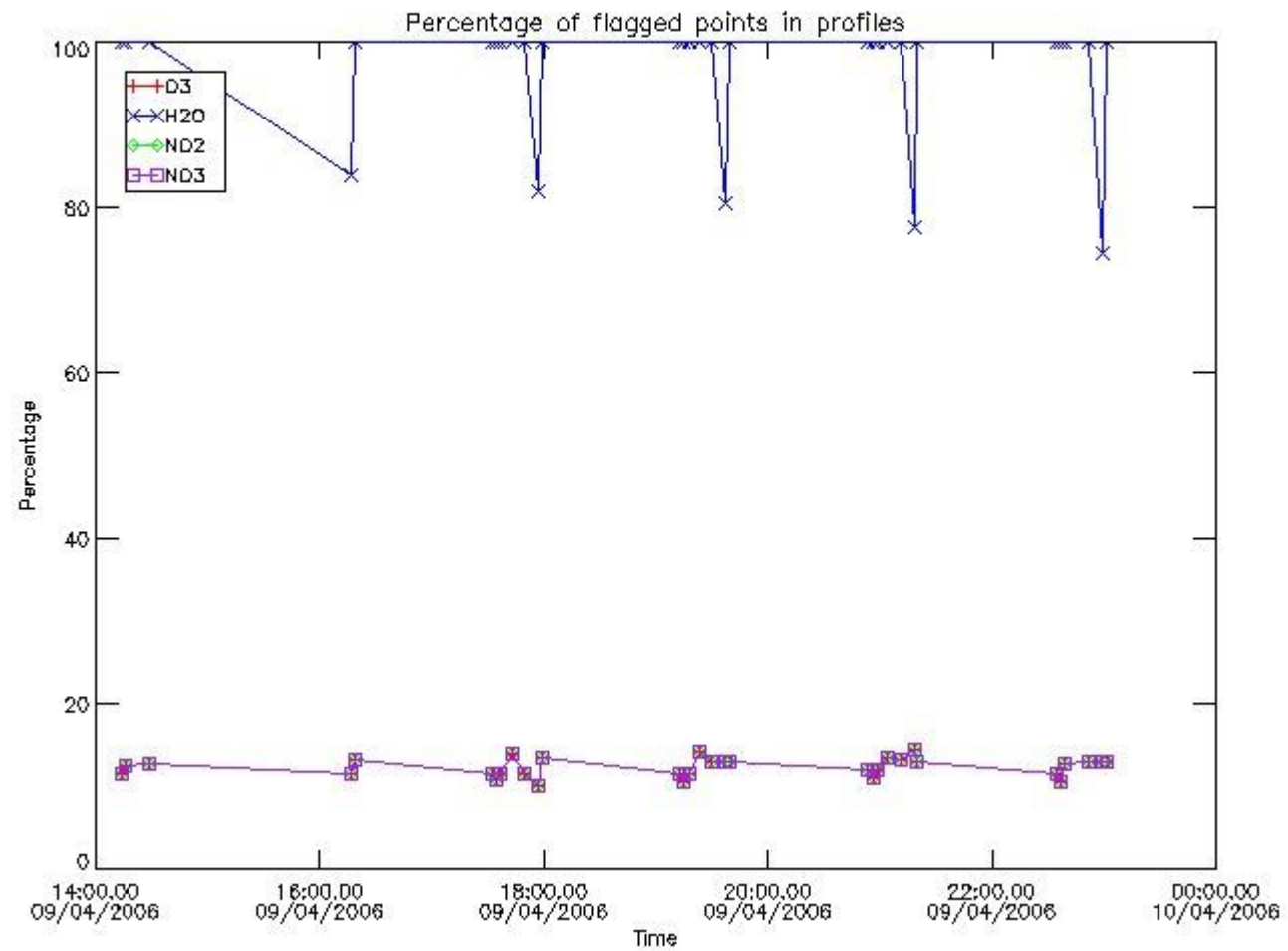
43	GOM_NL__2PRFIN20060409_184648_000000342046_00385_21481_8904.N1	09-APR-2006 18:46:48	Bright	33.500	49	1Alp UMi	1.9900	6300.0	67	21481	No
44	GOM_NL__2PRFIN20060409_185418_000000382046_00385_21481_8905.N1	09-APR-2006 18:54:18	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	21481	No
45	GOM_NL__2PRFIN20060409_190348_000000442046_00385_21481_8906.N1	09-APR-2006 19:03:48	Bright	43.500	164	44Eta Peg	2.9480	5400.0	87	21481	No
46	GOM_NL__2PRFIN20060409_191032_000000472046_00385_21481_8907.N1	09-APR-2006 19:10:32	Twi_and_stray	46.500	61	8Eps Peg	2.1000	3900.0	93	21481	No
47	GOM_NL__2PRFIN20060409_191300_000000442046_00385_21481_8908.N1	09-APR-2006 19:13:00	Dark	44.000	162	34Alp Aqr	2.9440	5350.0	88	21481	No
48	GOM_NL__2PRFIN20060409_191522_000000482046_00385_21481_8909.N1	09-APR-2006 19:15:22	Dark	48.000	154	22Bet Aqr	2.8990	5700.0	96	21481	No
49	GOM_NL__2PRFIN20060409_191751_000000442046_00385_21481_8910.N1	09-APR-2006 19:17:51	Dark	44.000	142	49Del Cap	2.8500	8900.0	88	21481	No
50	GOM_NL__2PRFIN20060409_192317_000000362046_00385_21481_8911.N1	09-APR-2006 19:23:17	Dark	36.000	172	Gam Gru	3.0030	13100.	72	21481	No
51	GOM_NL__2PRFIN20060409_193010_000000402046_00386_21482_8888.N1	09-APR-2006 19:30:10	Dark	39.500	45	Alp Pav	1.9400	26000.	79	21482	No
52	GOM_NL__2PRFIN20060409_193740_000000392046_00386_21482_8889.N1	09-APR-2006 19:37:40	Dark	39.000	43	Alp TrA	1.9100	4250.0	78	21482	No
53	GOM_NL__2PRFIN20060409_193941_000000392046_00386_21482_8890.N1	09-APR-2006 19:39:41	Dark	39.000	134	Bet TrA	2.8100	6600.0	78	21482	No
54	GOM_NL__2PRFIN20060409_194211_000000532046_00386_21482_8891.N1	09-APR-2006 19:42:11	Straylight	52.500	4	Alp1Cen	-0.010000	5800.0	105	21482	No
55	GOM_NL__2PRFIN20060409_194513_000000432046_00386_21482_8892.N1	09-APR-2006 19:45:13	Straylight	43.000	78	Alp Lup	2.3040	28000.	86	21482	No
56	GOM_NL__2PRFIN20060409_194732_000000372046_00386_21482_8893.N1	09-APR-2006 19:47:32	Straylight	37.000	64	Gam Cen	2.2000	10600.	74	21482	No
57	GOM_NL__2PRFIN20060409_195014_000000412046_00386_21482_8894.N1	09-APR-2006 19:50:14	Straylight	41.000	123	lot Cen	2.7500	10200.	82	21482	No
58	GOM_NL__2PRFIN20060409_195419_000000452046_00386_21482_8895.N1	09-APR-2006 19:54:19	Twi_and_stray	44.500	169	46Gam Hya	2.9910	4700.0	89	21482	No
59	GOM_NL__2PRFIN20060409_195638_000000402046_00386_21482_8896.N1	09-APR-2006 19:56:38	Twi_and_stray	39.500	100	4Gam Crv	2.5800	13100.	79	21482	No
60	GOM_NL__2PRFIN20060409_200117_000000392046_00386_21482_8897.N1	09-APR-2006 20:01:17	Bright	39.000	121	29Gam Vir	2.7400	7200.0	78	21482	No
61	GOM_NL__2PRFIN20060409_200558_000000362046_00386_21482_8898.N1	09-APR-2006 20:05:58	Bright	36.000	62	94Bet Leo	2.1360	9700.0	72	21482	No
62	GOM_NL__2PRFIN20060409_200746_000000352046_00386_21482_8899.N1	09-APR-2006 20:07:46	Bright	34.500	96	68Del Leo	2.5600	9300.0	69	21482	No
63	GOM_NL__2PRFIN20060409_201428_000000342046_00386_21482_8900.N1	09-APR-2006 20:14:28	Bright	33.500	174	52Psi UMa	3.0040	4400.0	67	21482	No
64	GOM_NL__2PRFIN20060409_201709_000000382046_00386_21482_8901.N1	09-APR-2006 20:17:09	Bright	37.500	87	64Gam UMa	2.4330	11000.	75	21482	No
65	GOM_NL__2PRFIN20060409_201835_000000402046_00386_21482_8902.N1	09-APR-2006 20:18:35	Bright	39.500	32	77Eps UMa	1.7630	11000.	79	21482	No
66	GOM_NL__2PRFIN20060409_202501_000000402046_00386_21482_8903.N1	09-APR-2006 20:25:01	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	21482	No
67	GOM_NL__2PRFIN20060409_202724_000000352046_00386_21482_8904.N1	09-APR-2006 20:27:24	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	21482	No
68	GOM_NL__2PRFIN20060409_203454_000000362046_00386_21482_8905.N1	09-APR-2006 20:34:54	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	21482	No
69	GOM_NL__2PRFIN20060409_204424_000000352046_00386_21482_8906.N1	09-APR-2006 20:44:24	Bright	35.000	164	44Eta Peg	2.9480	5400.0	70	21482	No
70	GOM_NL__2PRFIN20060409_205108_000000482046_00386_21482_8907.N1	09-APR-2006 20:51:08	Twi_and_stray	48.000	61	8Eps Peg	2.1000	3900.0	96	21482	No
71	GOM_NL__2PRFIN20060409_205337_000000432046_00386_21482_8908.N1	09-APR-2006 20:53:37	Dark	42.500	162	34Alp Aqr	2.9440	5350.0	85	21482	No
72	GOM_NL__2PRFIN20060409_205559_000000462046_00386_21482_8909.N1	09-APR-2006 20:55:59	Dark	46.000	154	22Bet Aqr	2.8990	5700.0	92	21482	No
73	GOM_NL__2PRFIN20060409_205827_000000432046_00386_21482_8910.N1	09-APR-2006 20:58:27	Dark	42.500	142	49Del Cap	2.8500	8900.0	85	21482	No
74	GOM_NL__2PRFIN20060409_210353_000000382046_00386_21482_8911.N1	09-APR-2006 21:03:53	Dark	37.500	172	Gam Gru	3.0030	13100.	75	21482	No
75	GOM_NL__2PRFIN20060409_211047_000000392046_00387_21483_8888.N1	09-APR-2006 21:10:47	Dark	38.500	45	Alp Pav	1.9400	26000.	77	21483	No
76	GOM_NL__2PRFIN20060409_211816_000000392046_00387_21483_8889.N1	09-APR-2006 21:18:16	Dark	38.500	43	Alp TrA	1.9100	4250.0	77	21483	No
77	GOM_NL__2PRFIN20060409_212017_000000402046_00387_21483_8890.N1	09-APR-2006 21:20:17	Dark	39.500	134	Bet TrA	2.8100	6600.0	79	21483	No
78	GOM_NL__2PRFIN20060409_212248_000000452046_00387_21483_8891.N1	09-APR-2006 21:22:48	Straylight	45.000	4	Alp1Cen	-0.010000	5800.0	90	21483	No
79	GOM_NL__2PRFIN20060409_212549_000000432046_00387_21483_8892.N1	09-APR-2006 21:25:49	Straylight	43.000	78	Alp Lup	2.3040	28000.	86	21483	No
80	GOM_NL__2PRFIN20060409_212808_000000382046_00387_21483_8893.N1	09-APR-2006 21:28:08	Straylight	38.000	64	Gam Cen	2.2000	10600.	76	21483	No
81	GOM_NL__2PRFIN20060409_213050_000000412046_00387_21483_8894.N1	09-APR-2006 21:30:50	Straylight	41.000	123	lot Cen	2.7500	10200.	82	21483	No
82	GOM_NL__2PRFIN20060409_213456_000000482046_00387_21483_8895.N1	09-APR-2006 21:34:56	Twi_and_stray	47.500	169	46Gam Hya	2.9910	4700.0	95	21483	No
83	GOM_NL__2PRFIN20060409_213714_000000412046_00387_21483_8896.N1	09-APR-2006 21:37:14	Twi_and_stray	40.500	100	4Gam Crv	2.5800	13100.	81	21483	No
84	GOM_NL__2PRFIN20060409_214153_000000402046_00387_21483_8897.N1	09-APR-2006 21:41:53	Bright	39.500	121	29Gam Vir	2.7400	7200.0	79	21483	No
85	GOM_NL__2PRFIN20060409_214634_000000362046_00387_21483_8898.N1	09-APR-2006 21:46:34	Bright	35.500	62	94Bet Leo	2.1360	9700.0	71	21483	No
86	GOM_NL__2PRFIN20060409_214822_000000352046_00387_21483_8899.N1	09-APR-2006 21:48:22	Bright	34.500	96	68Del Leo	2.5600	9300.0	69	21483	No
87	GOM_NL__2PRFIN20060409_215504_000000362046_00387_21483_8900.N1	09-APR-2006 21:55:04	Bright	35.500	174	52Psi UMa	3.0040	4400.0	71	21483	No
88	GOM_NL__2PRFIN20060409_215745_000000352046_00387_21483_8901.N1	09-APR-2006 21:57:45	Bright	34.500	87	64Gam UMa	2.4330	11000.	69	21483	No
89	GOM_NL__2PRFIN20060409_215910_000000402046_00387_21483_8902.N1	09-APR-2006 21:59:10	Bright	40.000	32	77Eps UMa	1.7630	11000.	80	21483	No
90	GOM_NL__2PRFIN20060409_220537_000000392046_00387_21483_8903.N1	09-APR-2006 22:05:37	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	21483	No
91	GOM_NL__2PRFIN20060409_220800_000000362046_00387_21483_8904.N1	09-APR-2006 22:08:00	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	21483	No
92	GOM_NL__2PRFIN20060409_221529_000000392046_00387_21483_8905.N1	09-APR-2006 22:15:29	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	21483	No
93	GOM_NL__2PRFIN20060409_222500_000000342046_00387_21483_8906.N1	09-APR-2006 22:25:00	Bright	34.000	164	44Eta Peg	2.9480	5400.0	68	21483	No
94	GOM_NL__2PRFIN20060409_223144_000000462046_00387_21483_8907.N1	09-APR-2006 22:31:44	Twi_and_stray	46.000	61	8Eps Peg	2.1000	3900.0	92	21483	No
95	GOM_NL__2PRFIN20060409_223413_000000442046_00387_21483_8908.N1	09-APR-2006 22:34:13	Dark	44.000	162	34Alp Aqr	2.9440	5350.0	88	21483	No
96	GOM_NL__2PRFIN20060409_223635_000000482046_00387_21483_8909.N1	09-APR-2006 22:36:35	Dark	48.000	154	22Bet Aqr	2.8990	5700.0	96	21483	No
97	GOM_NL__2PRFIN20060409_223903_000000402046_00387_21483_8910.N1	09-APR-2006 22:39:03	Dark	40.000	142	49Del Cap	2.8500	8900.0	80	21483	No
98	GOM_NL__2PRFIN20060409_225123_000000402046_00388_21484_8888.N1	09-APR-2006 22:51:23	Dark	39.500	45	Alp Pav	1.9400	26000.	79	21484	No
99	GOM_NL__2PRFIN20060409_225853_000000402046_00388_21484_8889.N1	09-APR-2006 22:58:53	Dark	39.500	43	Alp TrA	1.9100	4250.0	79	21484	No
100	GOM_NL__2PRFIN20060409_230053_000000402046_00388_21484_8890.N1	09-APR-2006 23:00:53	Dark	39.500	134	Bet TrA	2.8100	6600.0	79	21484	No
101	GOM_NL__2PRFIN20060409_230324_000000452046_00388_21484_8891.N1	09-APR-2006 23:03:24	Straylight	44.500	4	Alp1Cen	-0.010000	5800.0	89	21484	No

102	GOM_NL__2PRFIN20060409_230626_000000452046_00388_21484_8892.N1	09-APR-2006 23:06:26	Straylight	44.500	78	Alp Lup	2.3040	28000.	89	21484	No
103	GOM_NL__2PRFIN20060409_230844_000000392046_00388_21484_8893.N1	09-APR-2006 23:08:44	Straylight	39.000	64	Gam Cen	2.2000	10600.	78	21484	No
104	GOM_NL__2PRFIN20060409_231126_000000422046_00388_21484_8894.N1	09-APR-2006 23:11:26	Straylight	42.000	123	lot Cen	2.7500	10200.	84	21484	No
105	GOM_NL__2PRFIN20060409_231558_000000412046_00388_21484_8895.N1	09-APR-2006 23:15:58	Twilight_stray	40.500	106	9Bet Crv	2.6480	5600.0	81	21484	No
106	GOM_NL__2PRFIN20060409_231750_000000392046_00388_21484_8896.N1	09-APR-2006 23:17:50	Twilight_stray	38.500	100	4Gam Crv	2.5800	13100.	77	21484	No
107	GOM_NL__2PRFIN20060409_232229_000000402046_00388_21484_8897.N1	09-APR-2006 23:22:29	Bright	39.500	121	29Gam Vir	2.7400	7200.0	79	21484	No
108	GOM_NL__2PRFIN20060409_232709_000000362046_00388_21484_8898.N1	09-APR-2006 23:27:09	Bright	35.500	62	94Bet Leo	2.1360	9700.0	71	21484	No
109	GOM_NL__2PRFIN20060409_232858_000000432046_00388_21484_8899.N1	09-APR-2006 23:28:58	Bright	42.500	96	68Del Leo	2.5600	9300.0	85	21484	No
110	GOM_NL__2PRFIN20060409_233540_000000352046_00388_21484_8900.N1	09-APR-2006 23:35:40	Bright	35.000	174	52Psi UMa	3.0040	4400.0	70	21484	No
111	GOM_NL__2PRFIN20060409_233821_000000362046_00388_21484_8901.N1	09-APR-2006 23:38:21	Bright	35.500	87	64Gam UMa	2.4330	11000.	71	21484	No
112	GOM_NL__2PRFIN20060409_233946_000000372046_00388_21484_8902.N1	09-APR-2006 23:39:46	Bright	37.000	32	77Eps UMa	1.7630	11000.	74	21484	No
113	GOM_NL__2PRFIN20060409_234612_000000392046_00388_21484_8903.N1	09-APR-2006 23:46:12	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	21484	No
114	GOM_NL__2PRFIN20060409_234836_000000362046_00388_21484_8904.N1	09-APR-2006 23:48:36	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	21484	No
115	GOM_NL__2PRFIN20060409_235605_000000372046_00388_21484_8905.N1	09-APR-2006 23:56:05	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	21484	No

3. Quality information per product

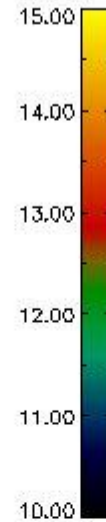
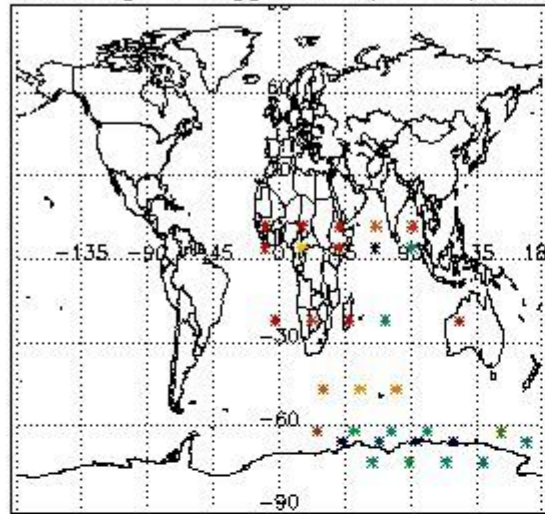
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

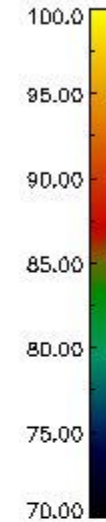
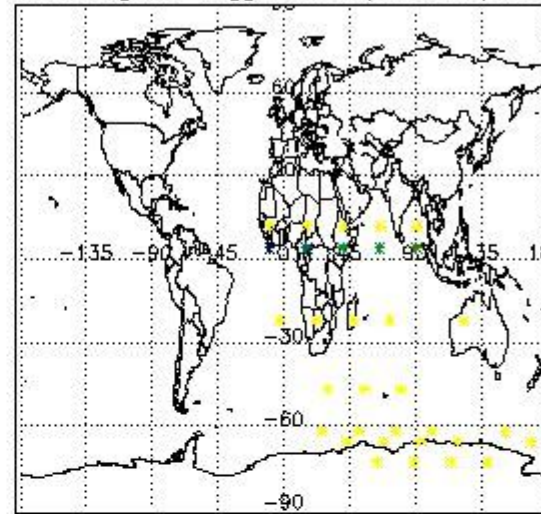


3.2 Plot quality information per product (world map)

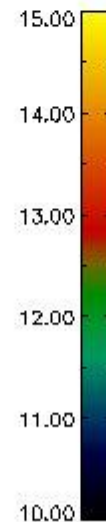
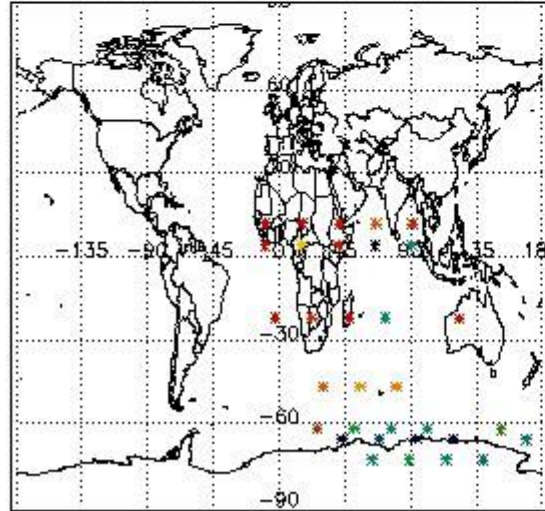
Percentage of flagged data per O3 profile



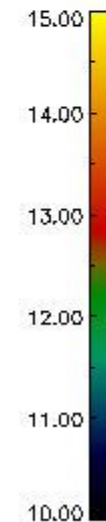
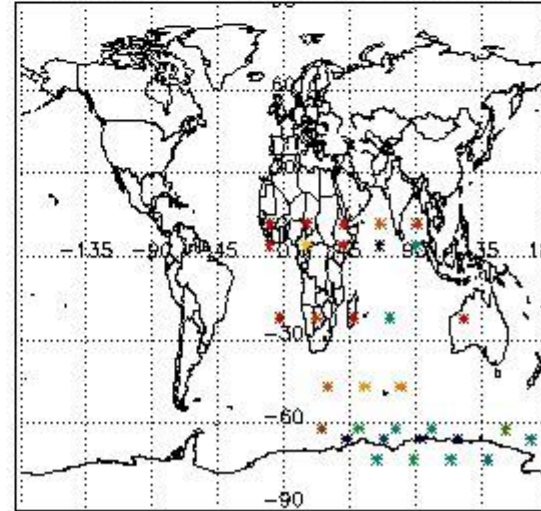
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

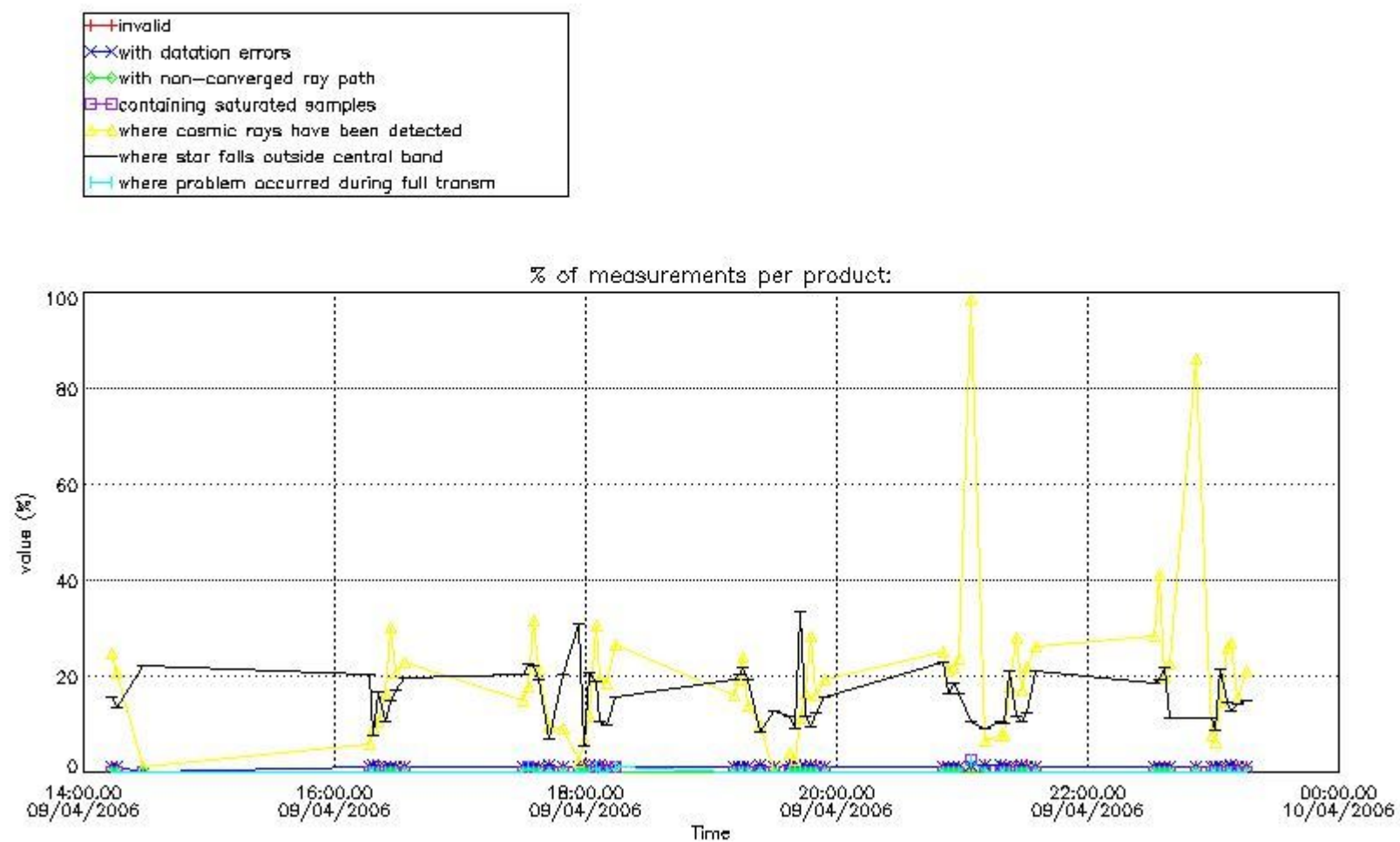


4. Level 1 quality information per product

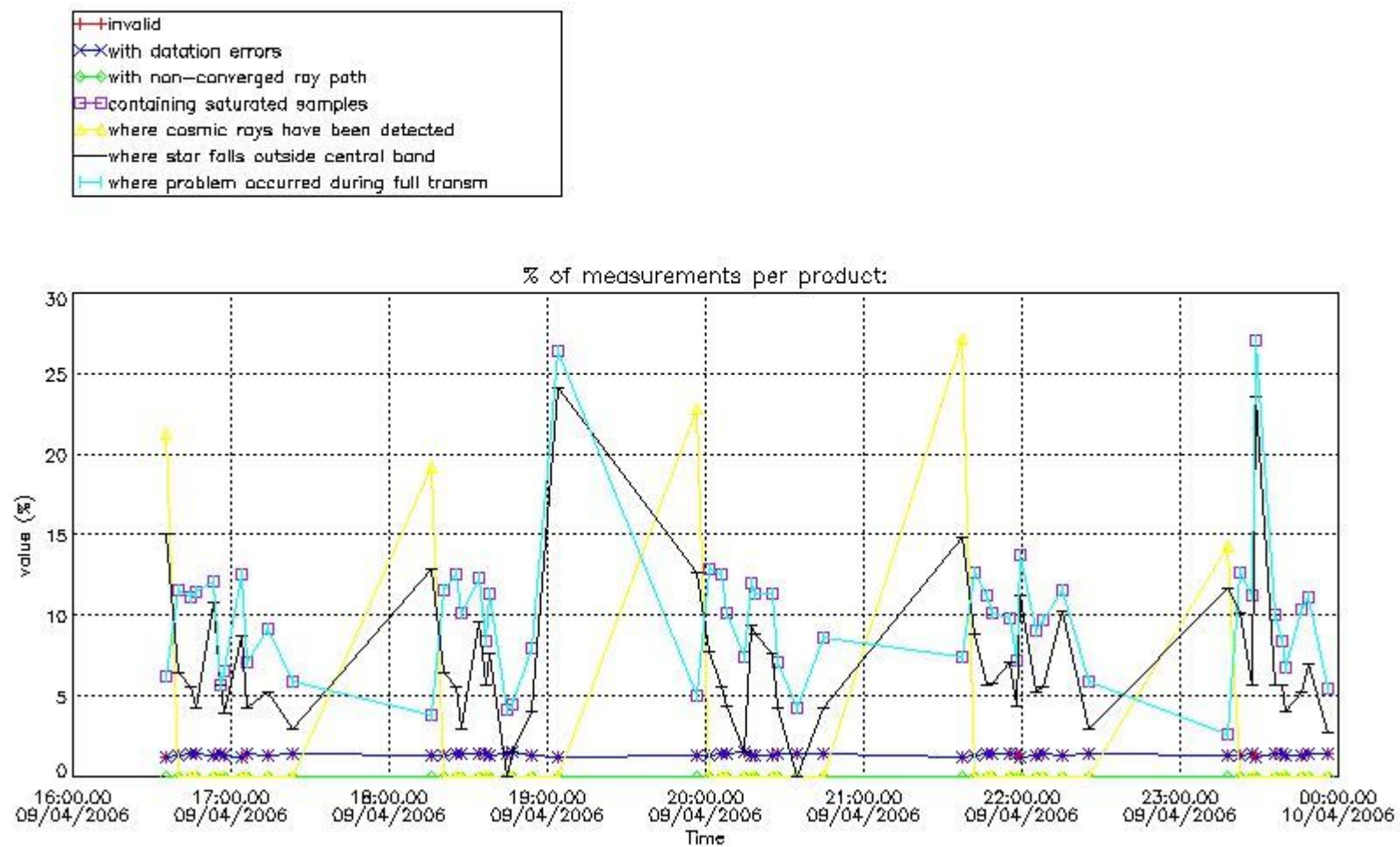
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



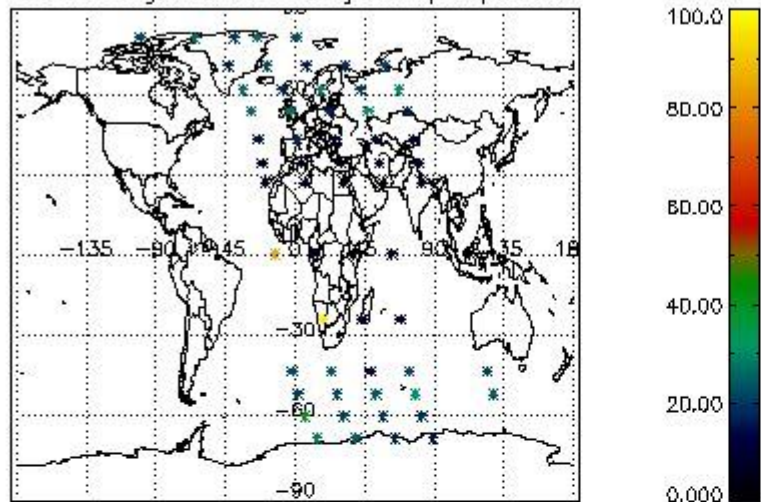
4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



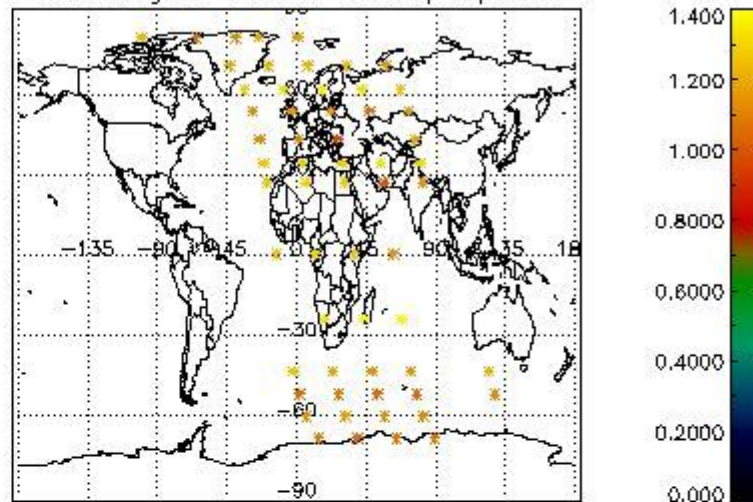
4.2 Plot quality information per product coming from level 1b processing (world map)

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

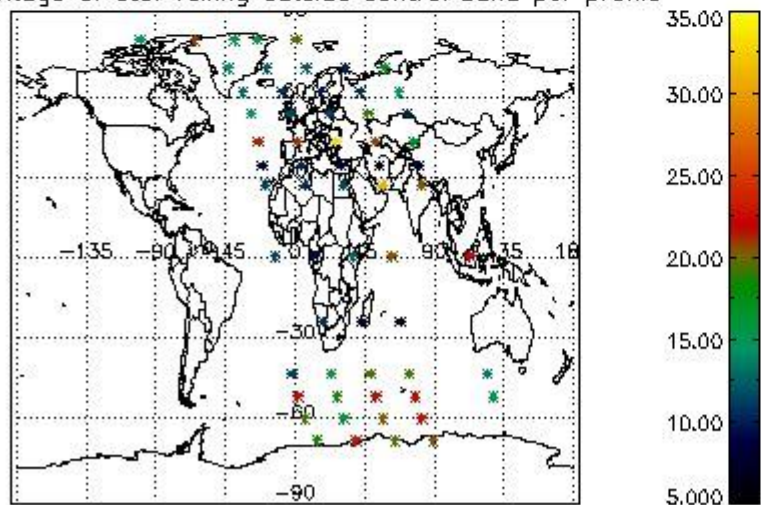
Percentage of cosmic ray hits per profile



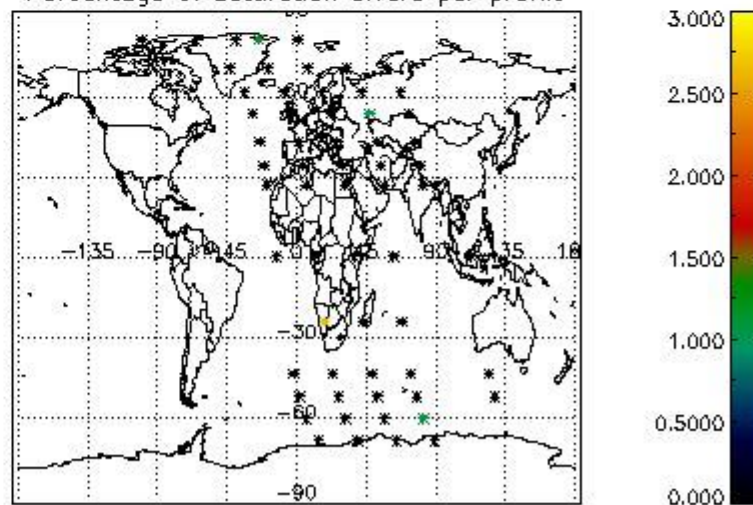
Percentage of datation errors per profile



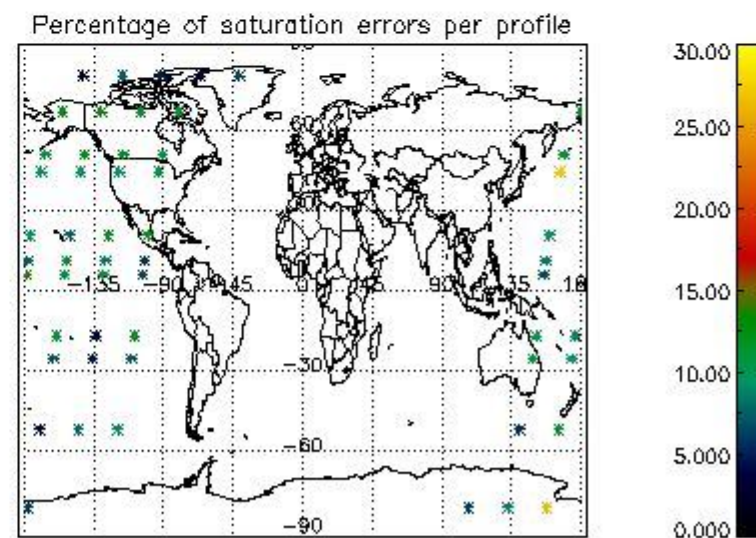
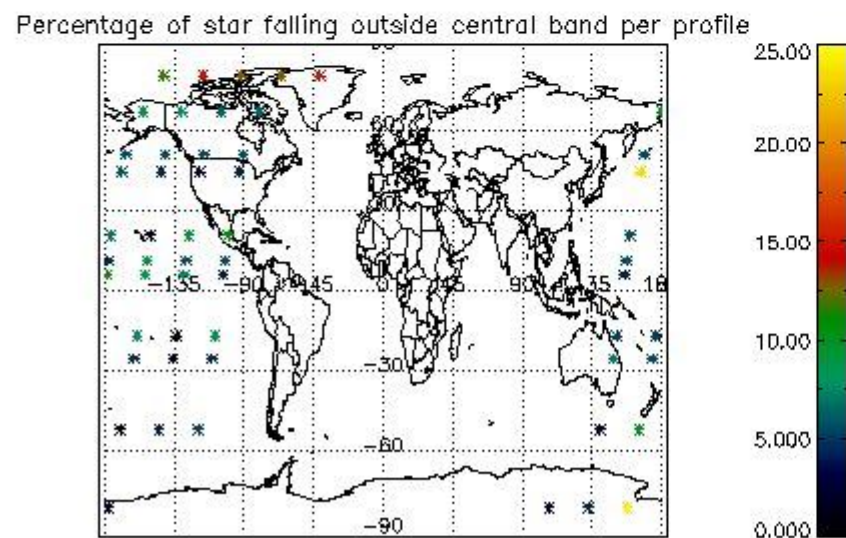
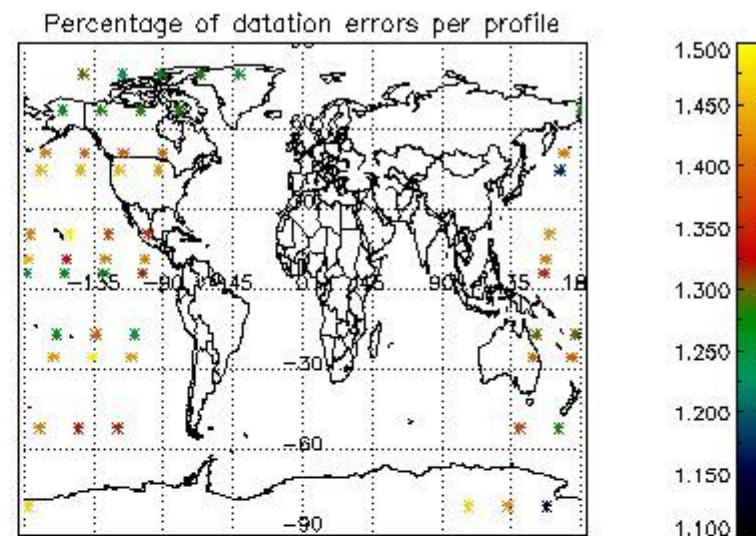
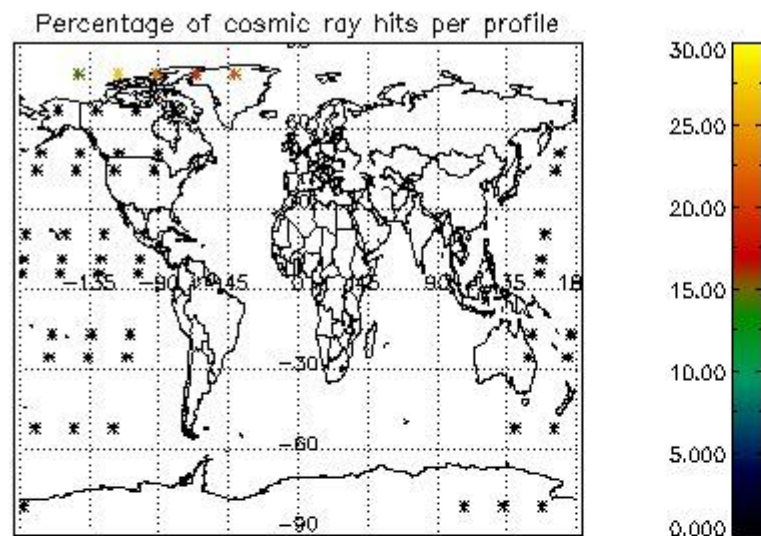
Percentage of star falling outside central band per profile



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

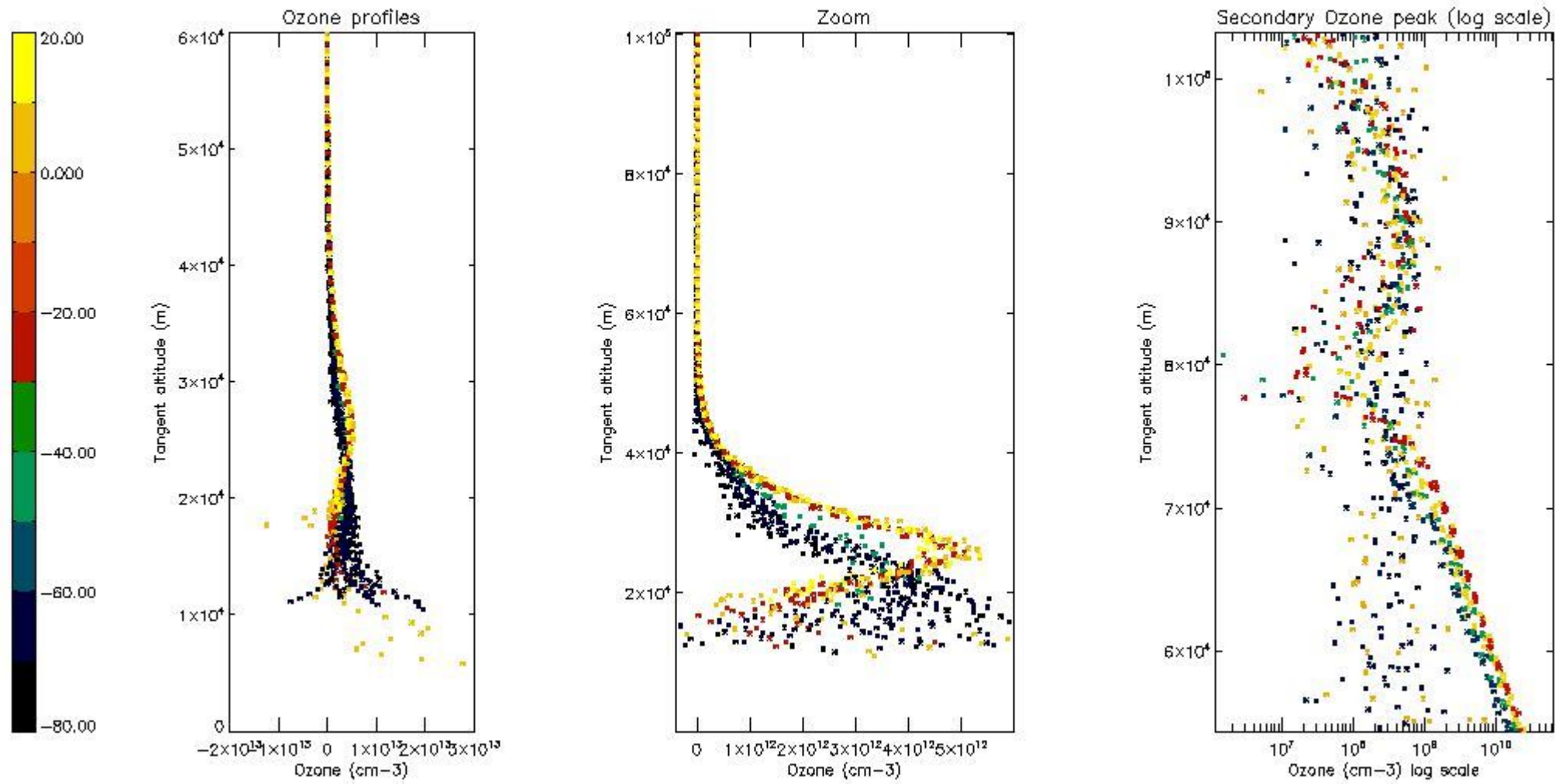
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	30
STD < 20	13

STD < 10	8
STD < 5	3

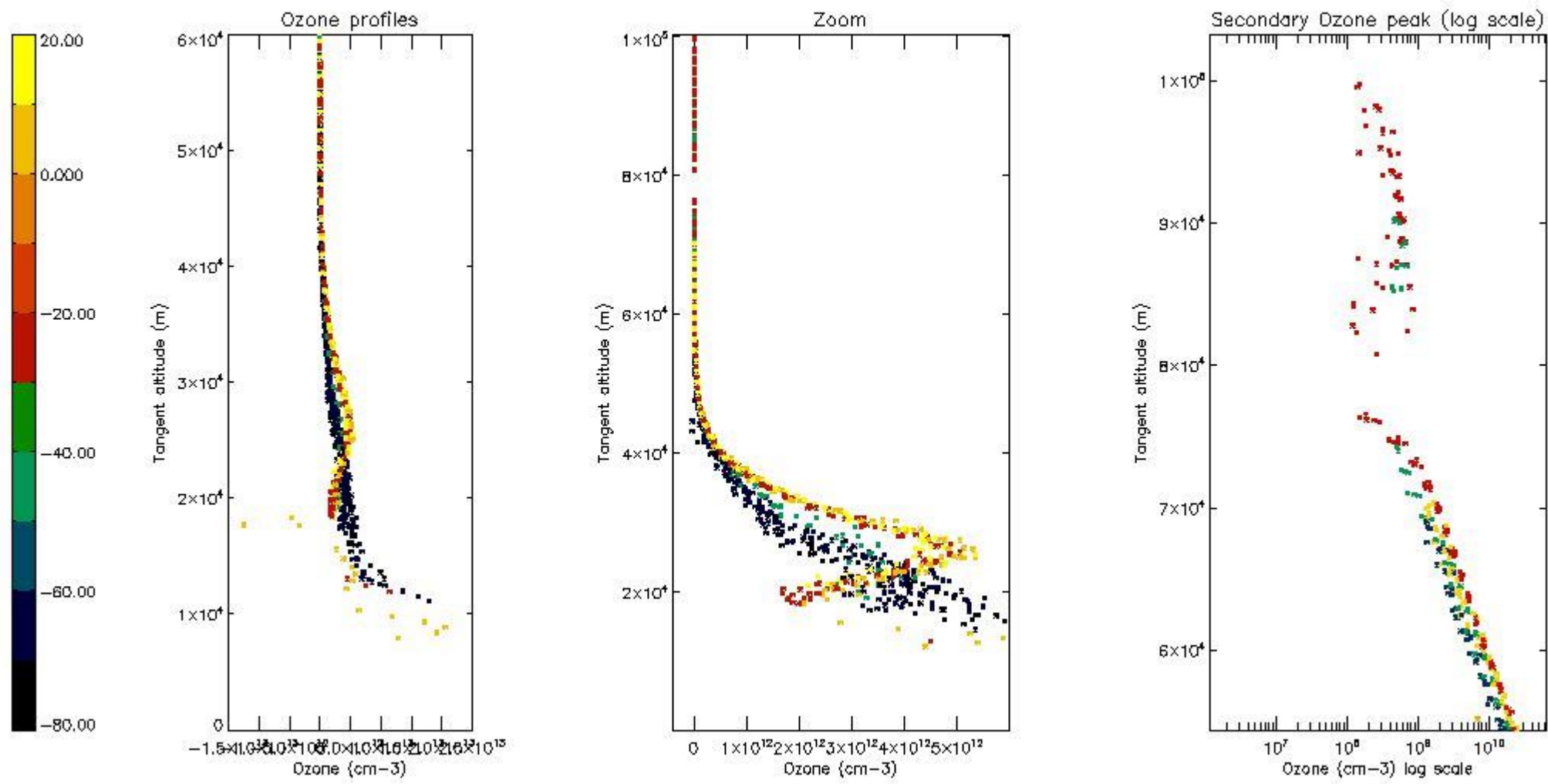
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



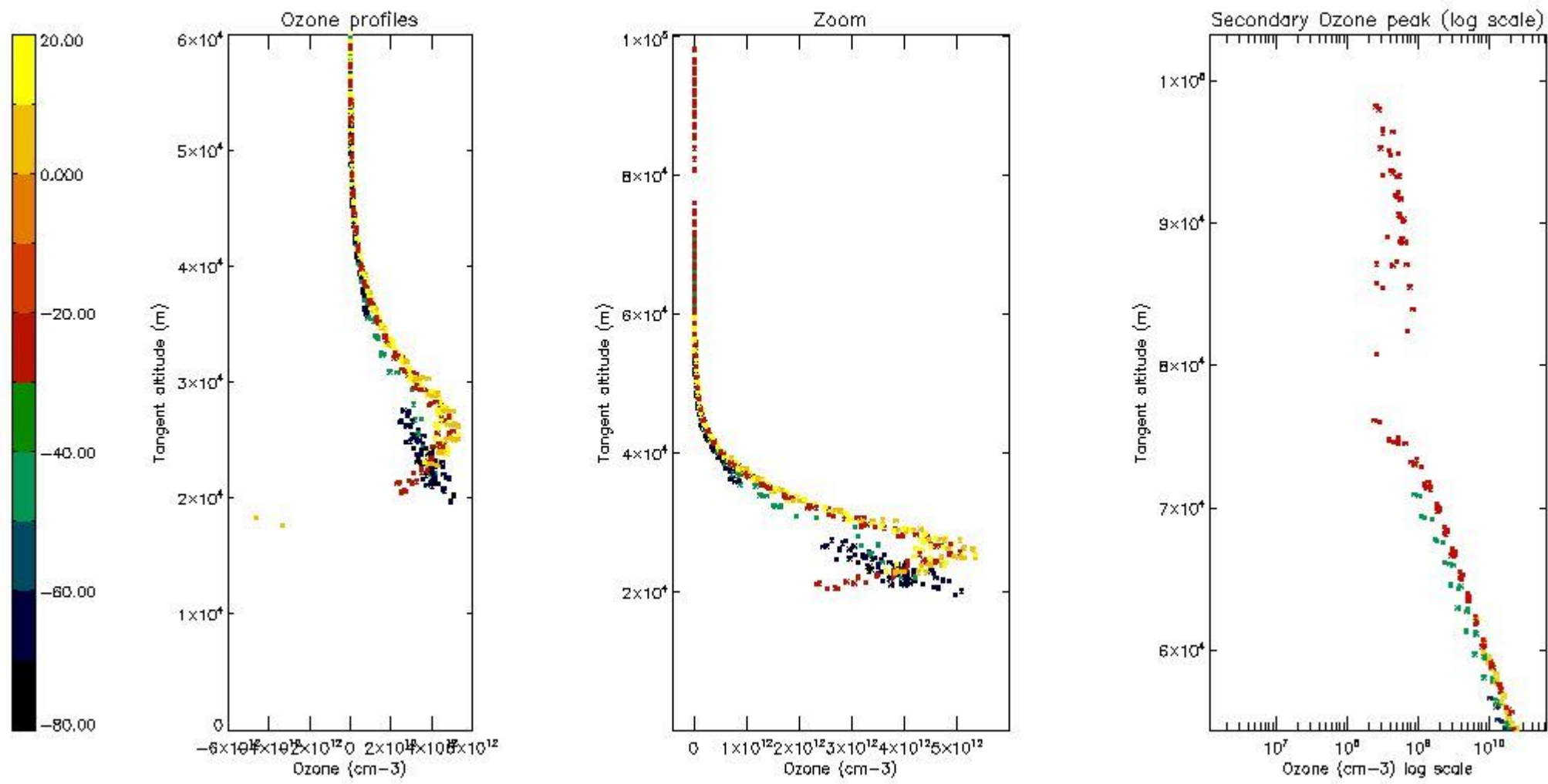
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



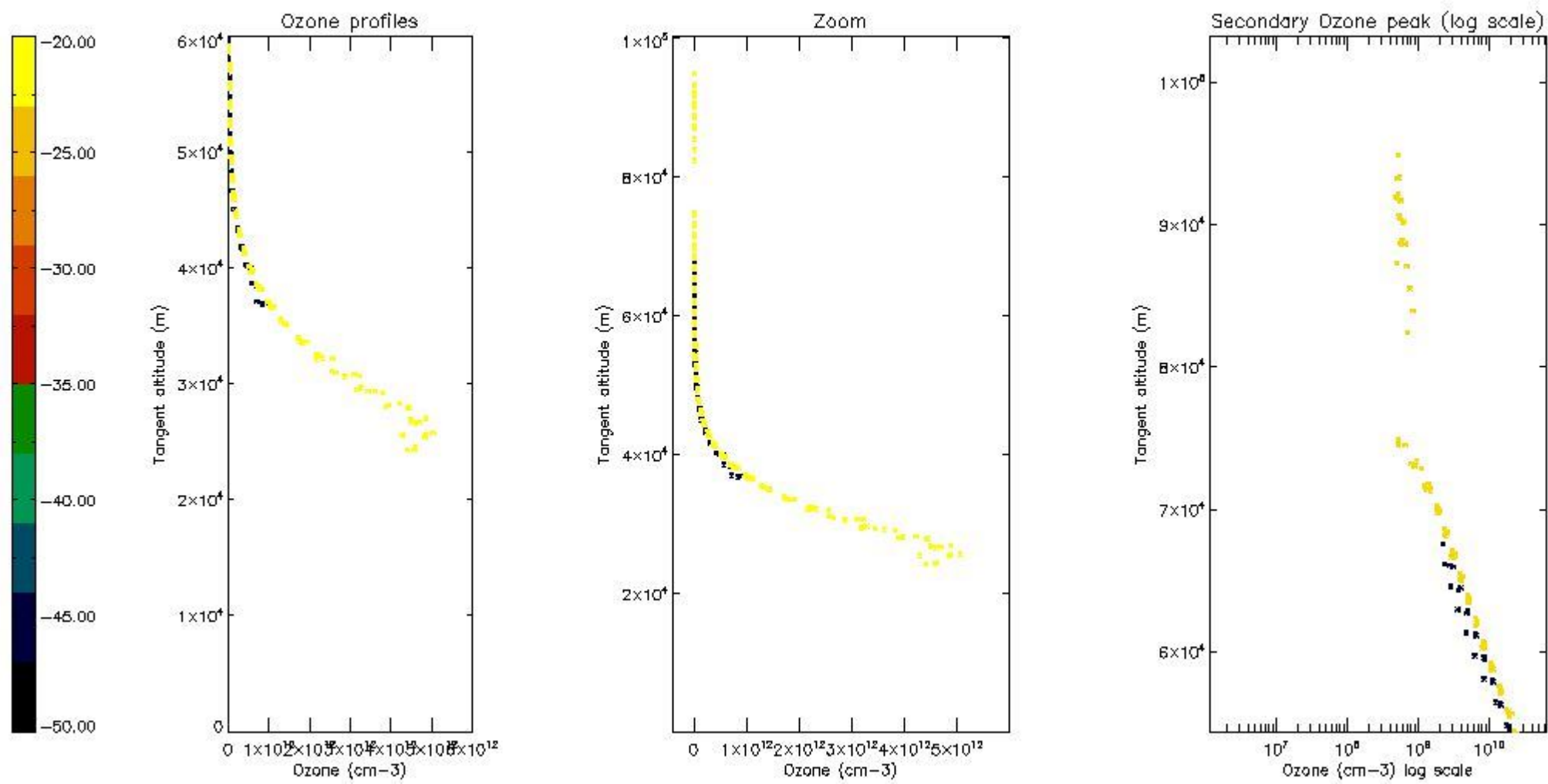
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



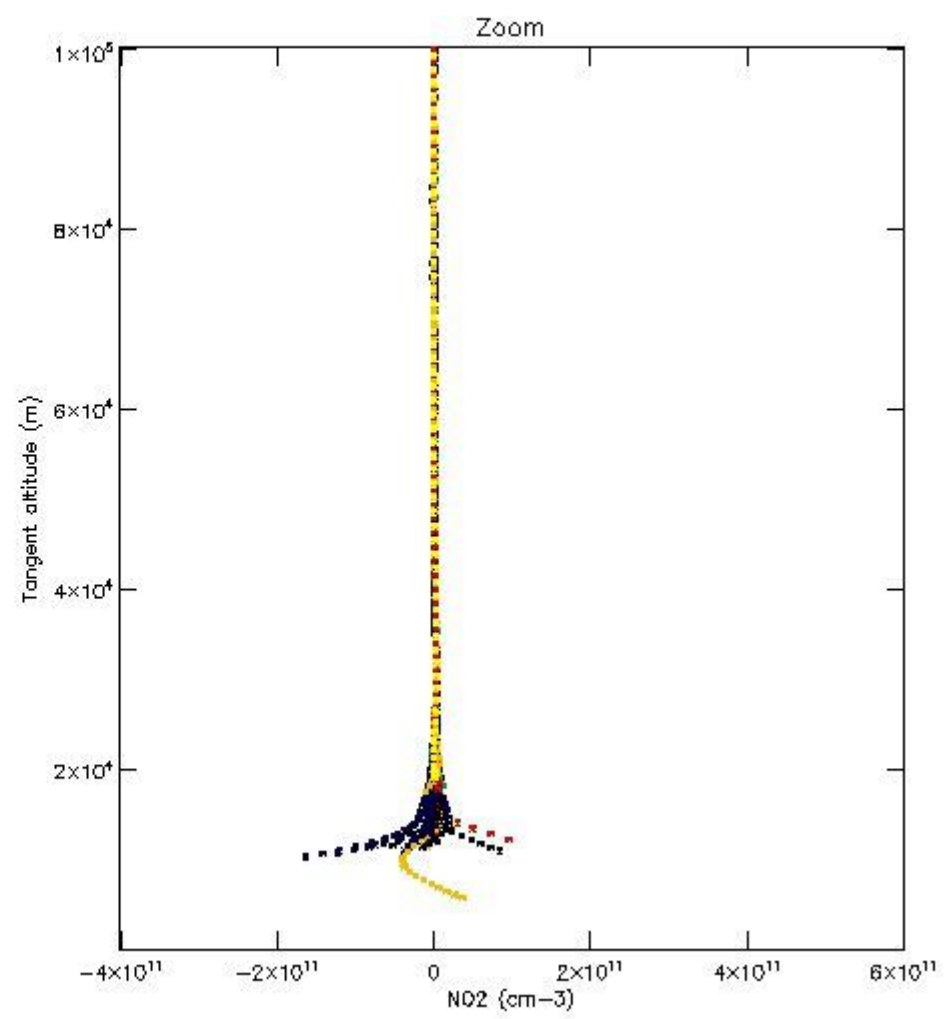
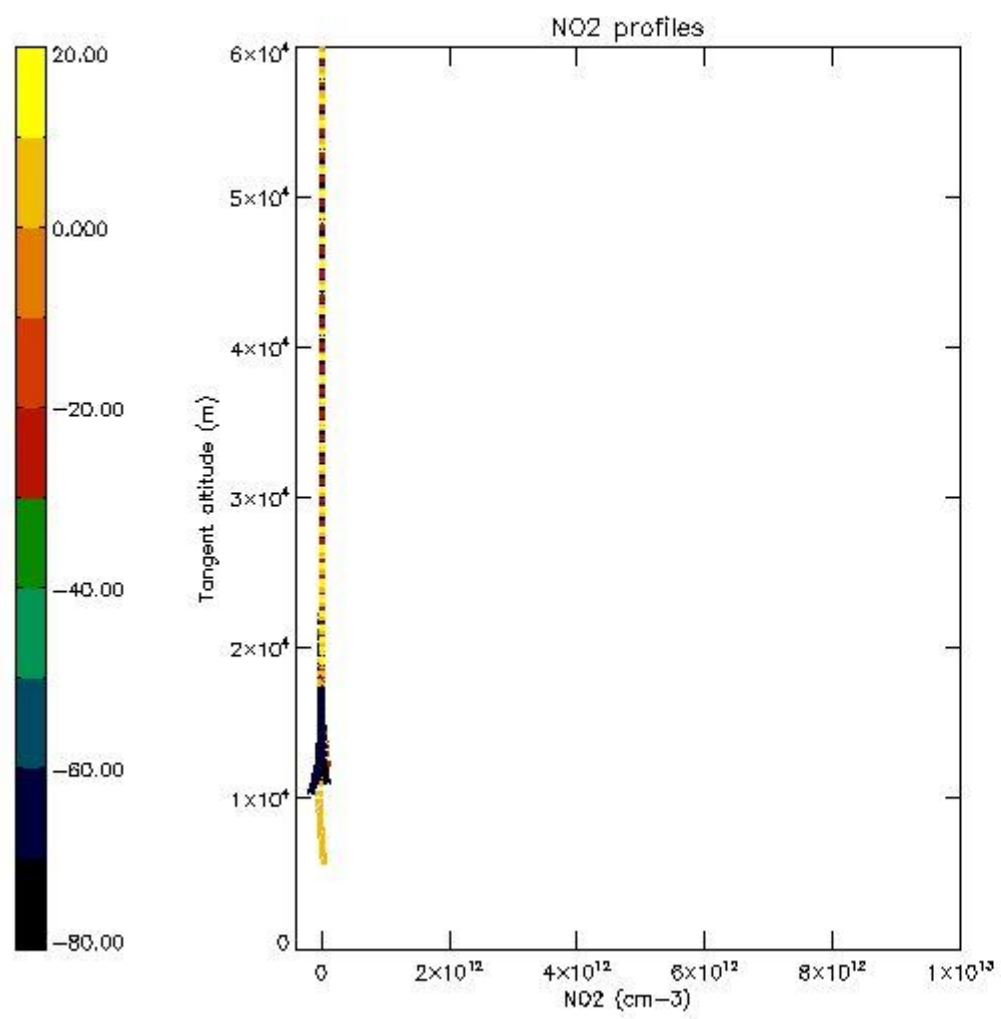
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



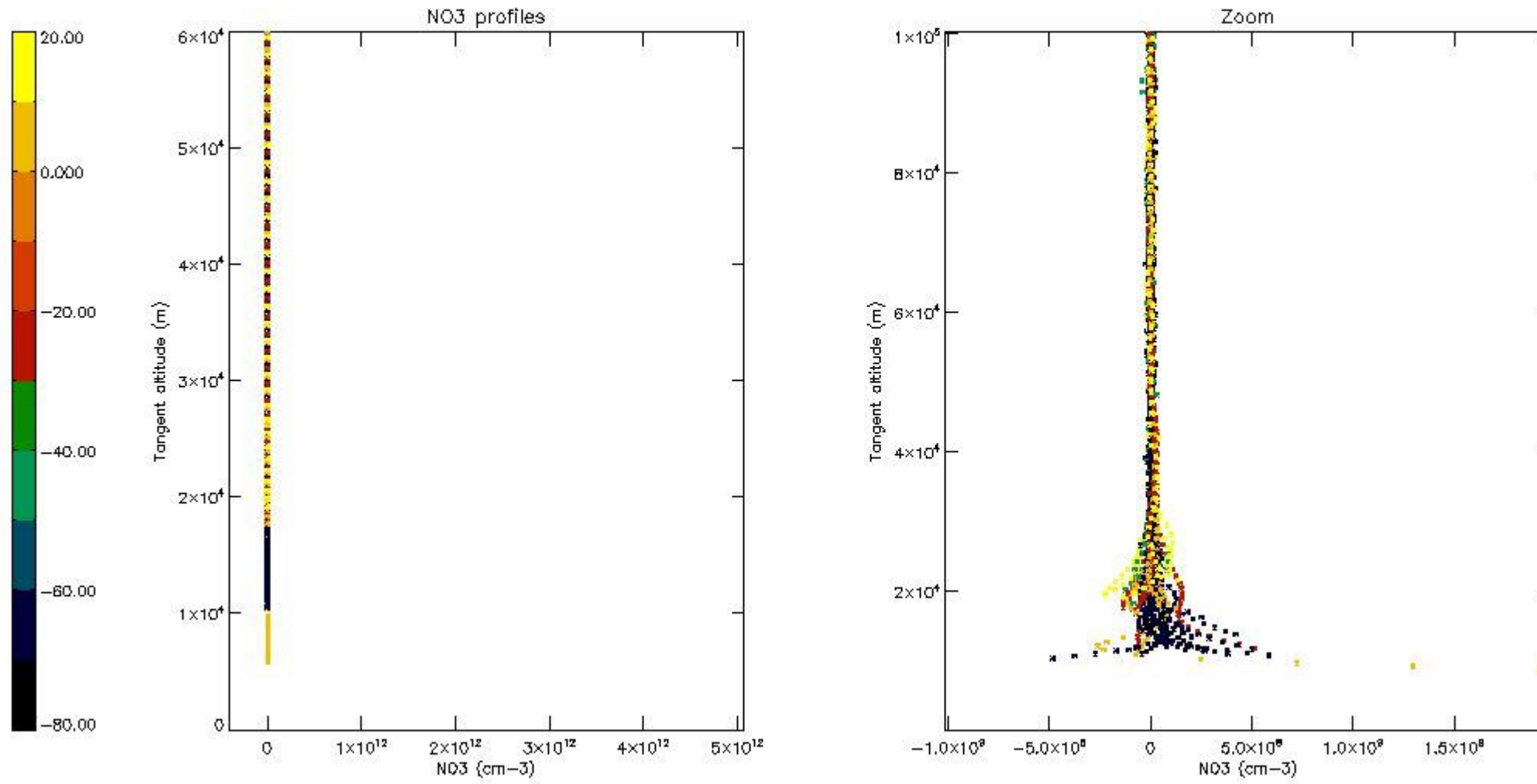
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

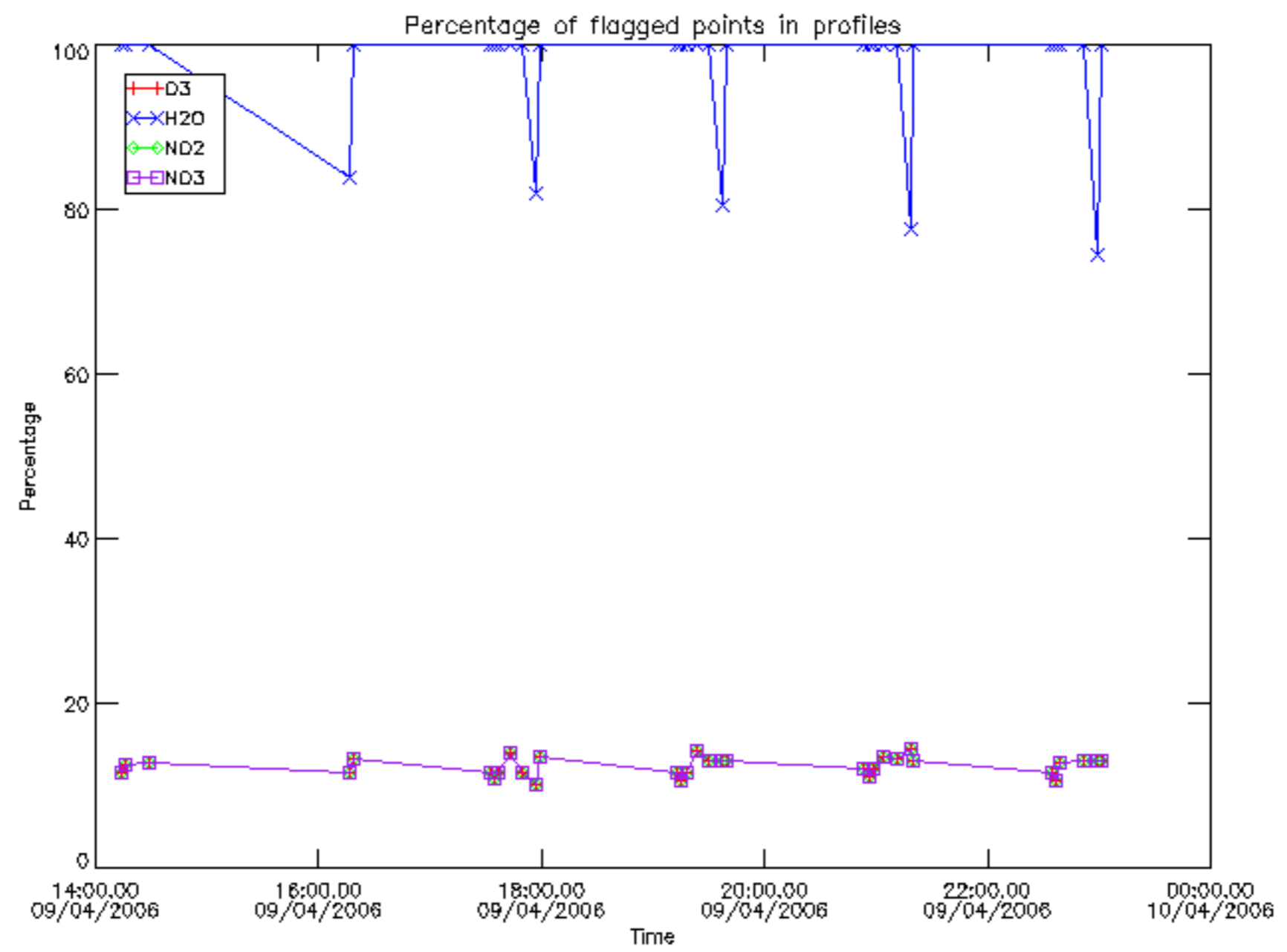
The colorbar represents the latitude.



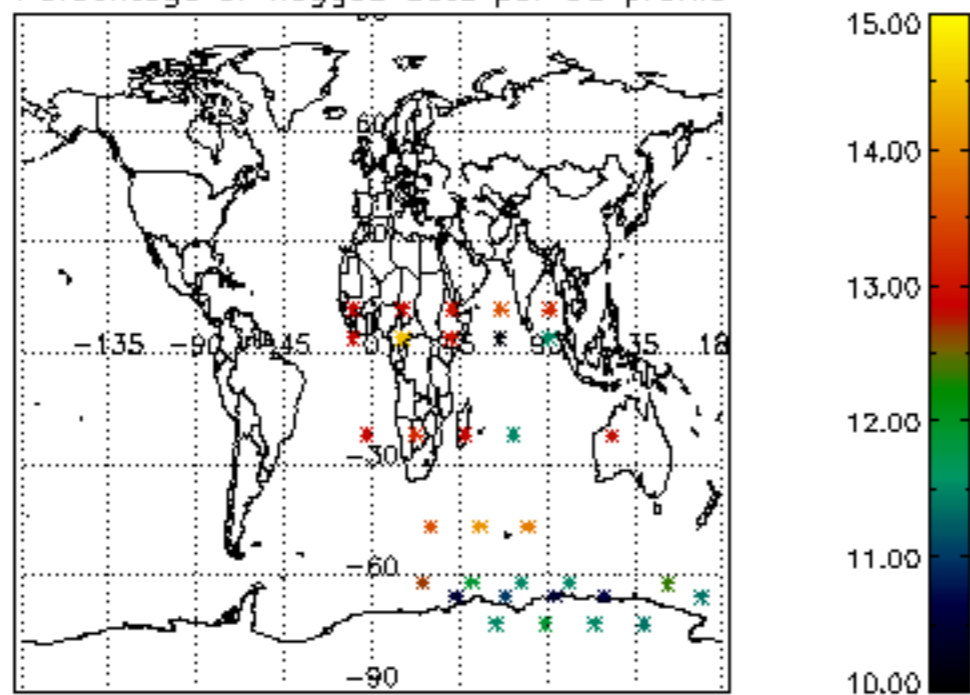
6. Auxiliary Data Files used for the production reported in section 2

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

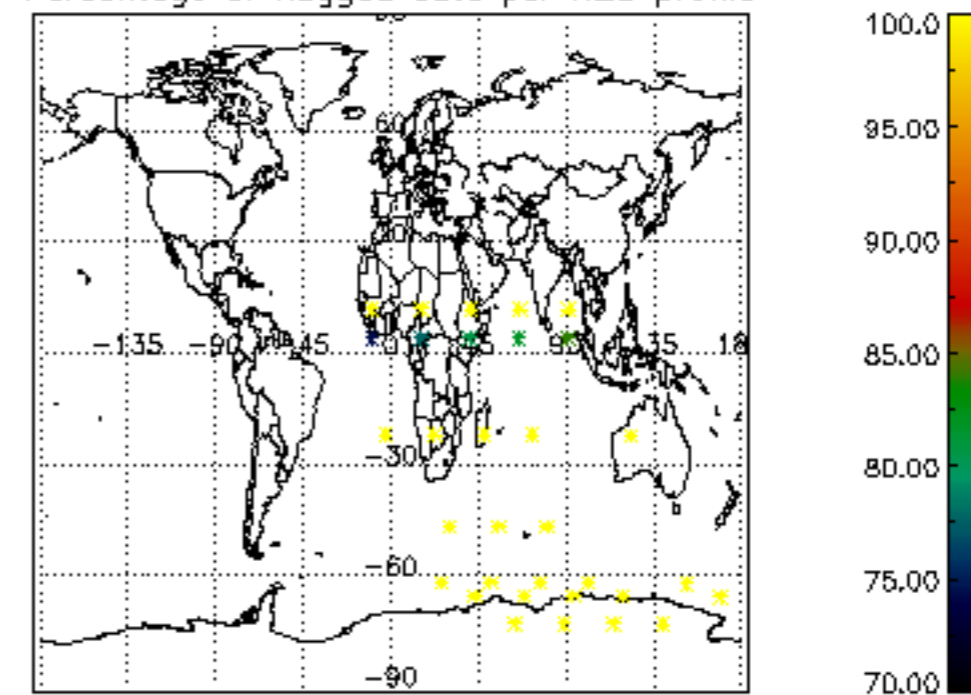
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	09-APR-2006 14:13:33
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	09-APR-2006 14:13:33
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	09-APR-2006 14:13:33



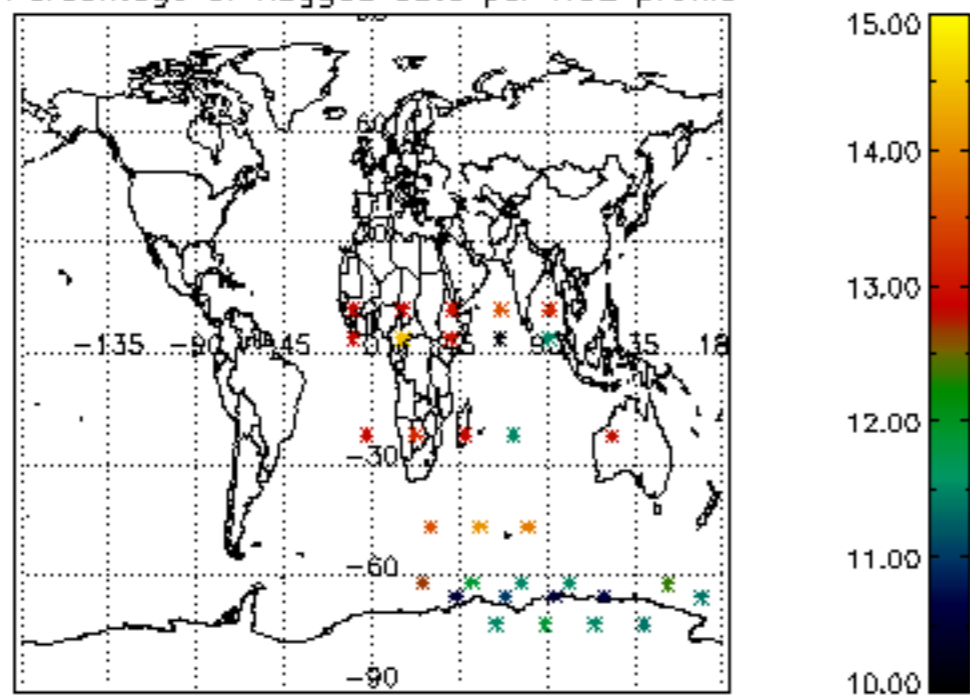
Percentage of flagged data per D3 profile



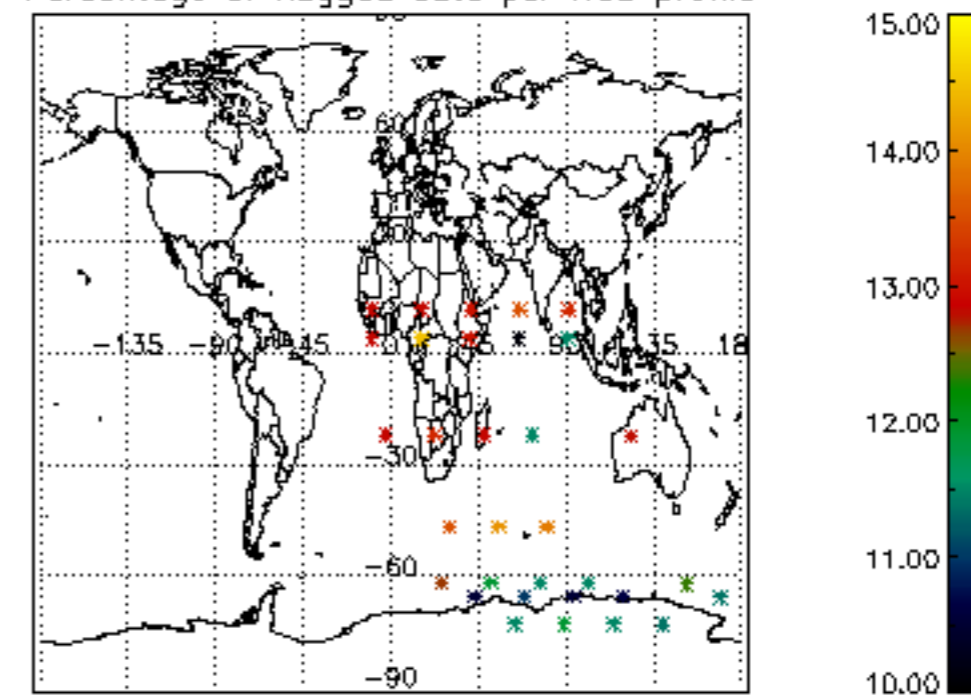
Percentage of flagged data per H2O profile

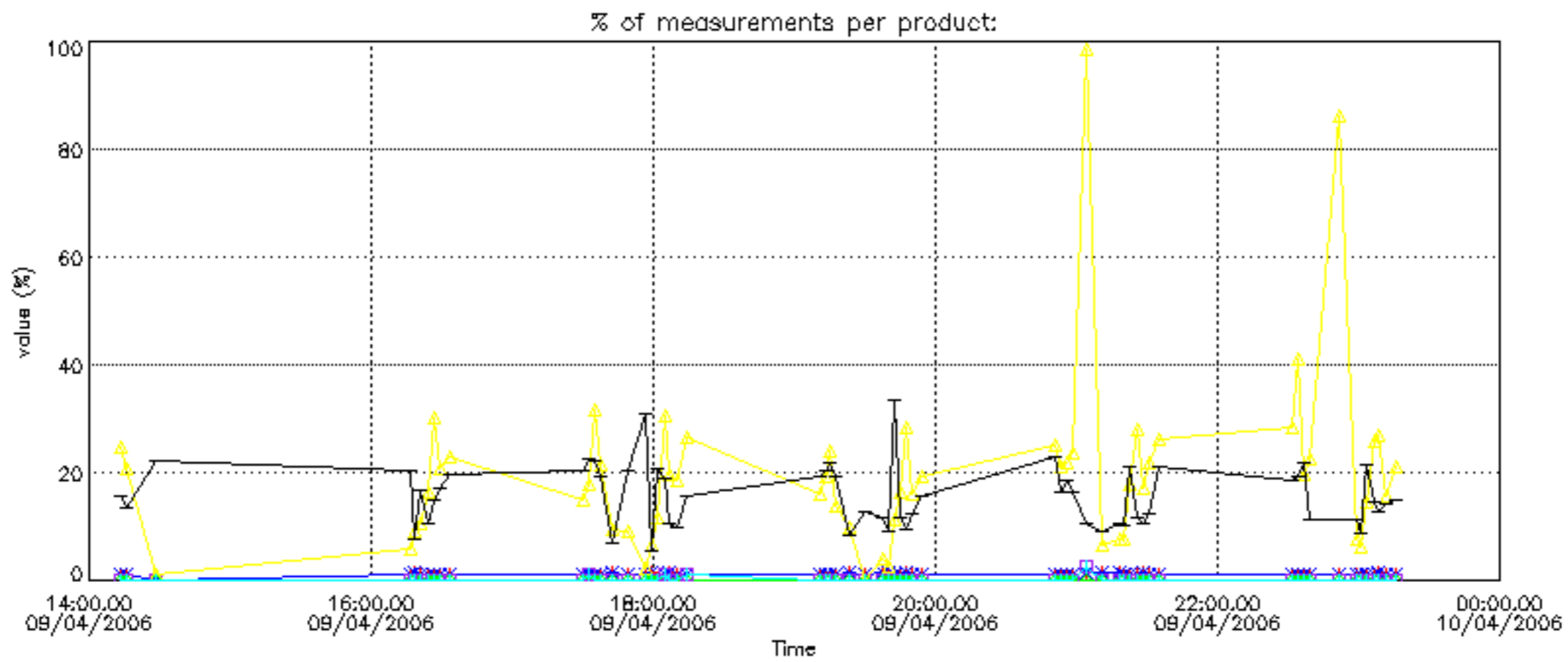


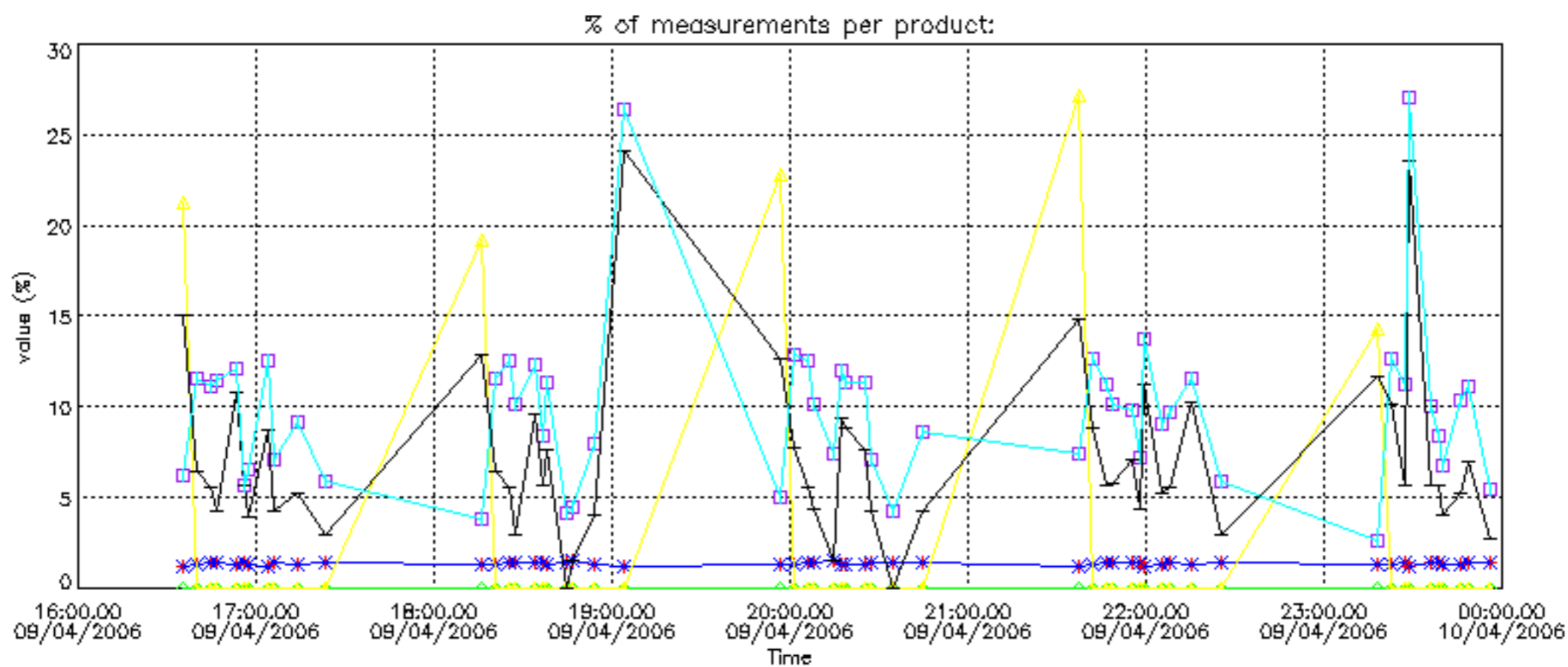
Percentage of flagged data per NO2 profile



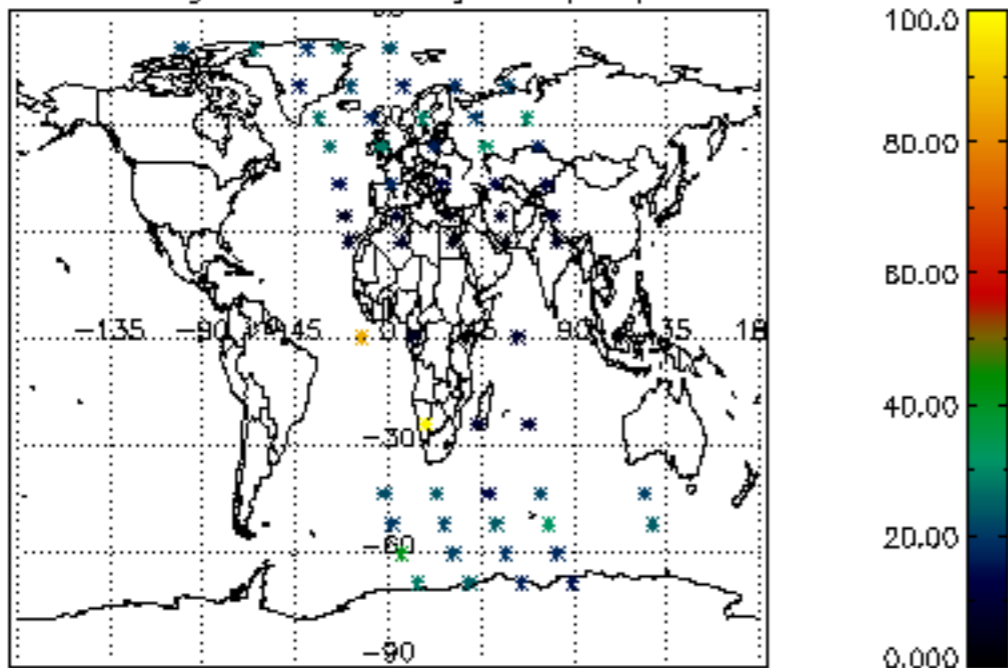
Percentage of flagged data per NO3 profile



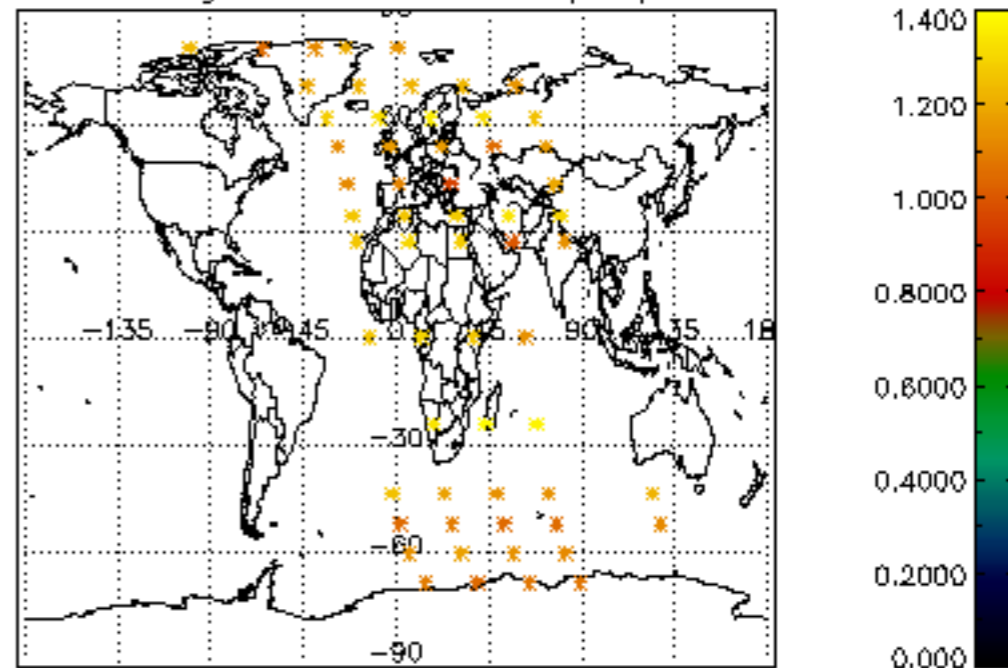




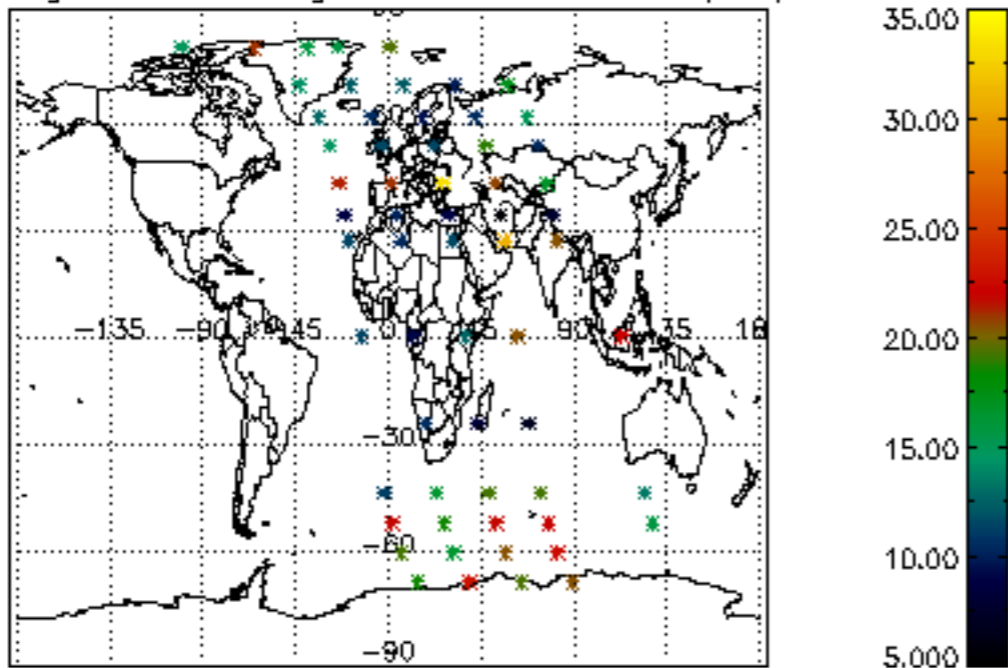
Percentage of cosmic ray hits per profile



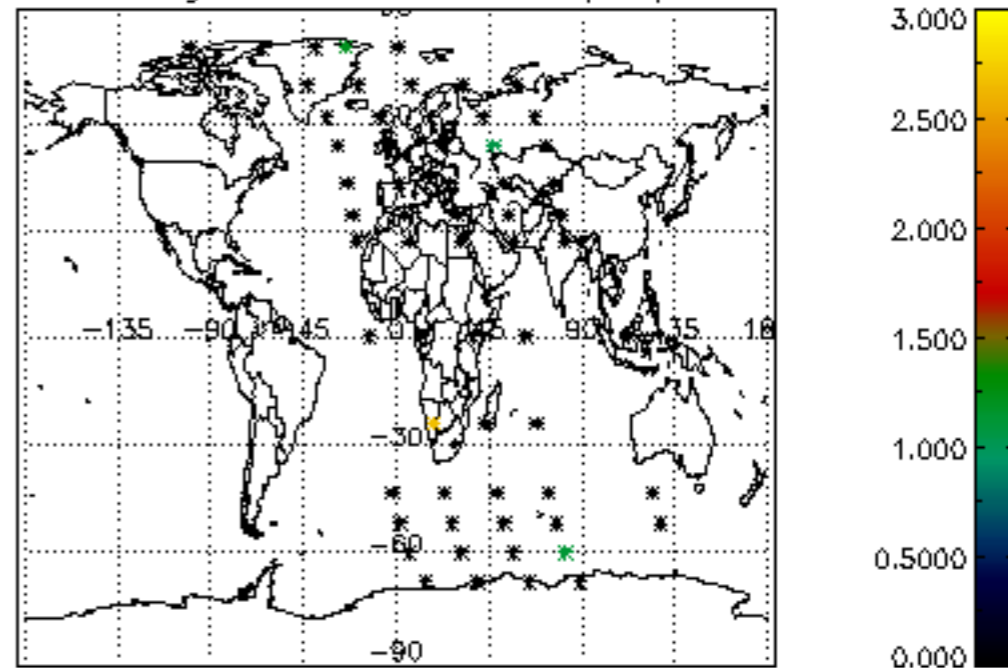
Percentage of datation errors per profile



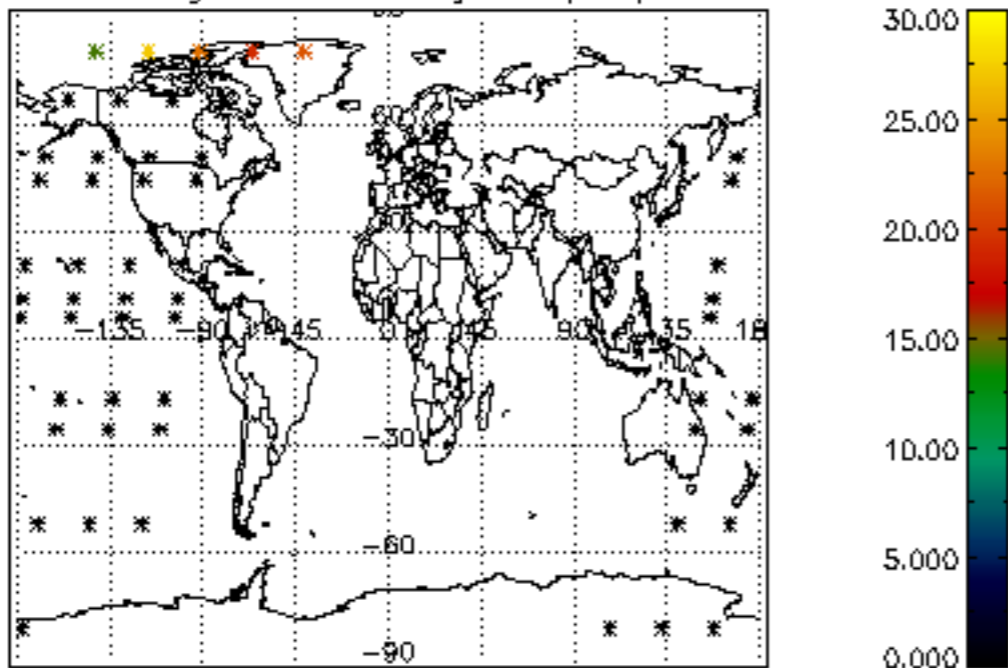
Percentage of star falling outside central band per profile



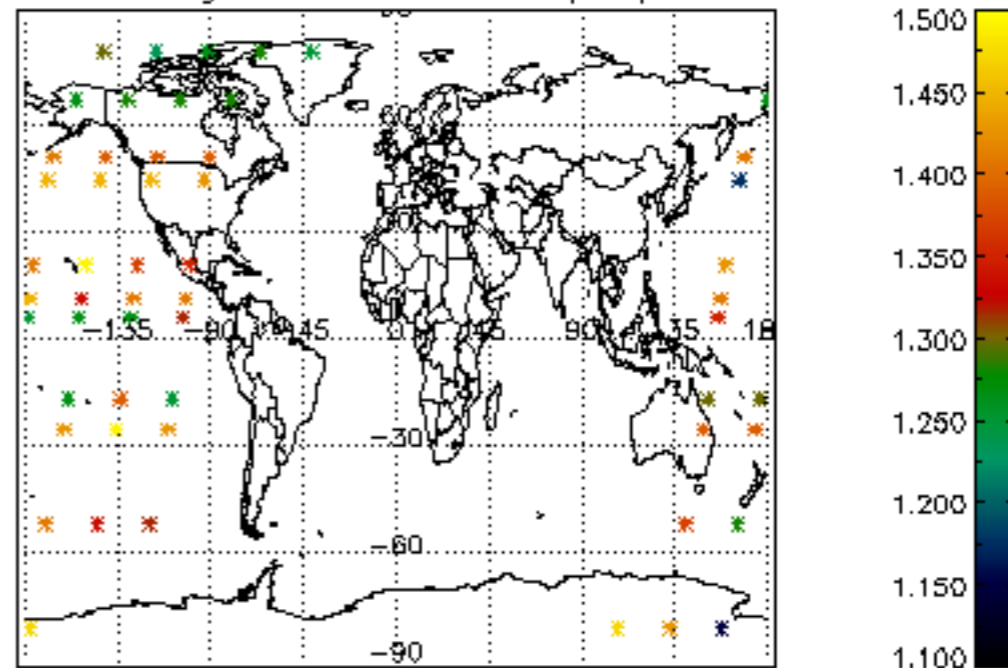
Percentage of saturation errors per profile



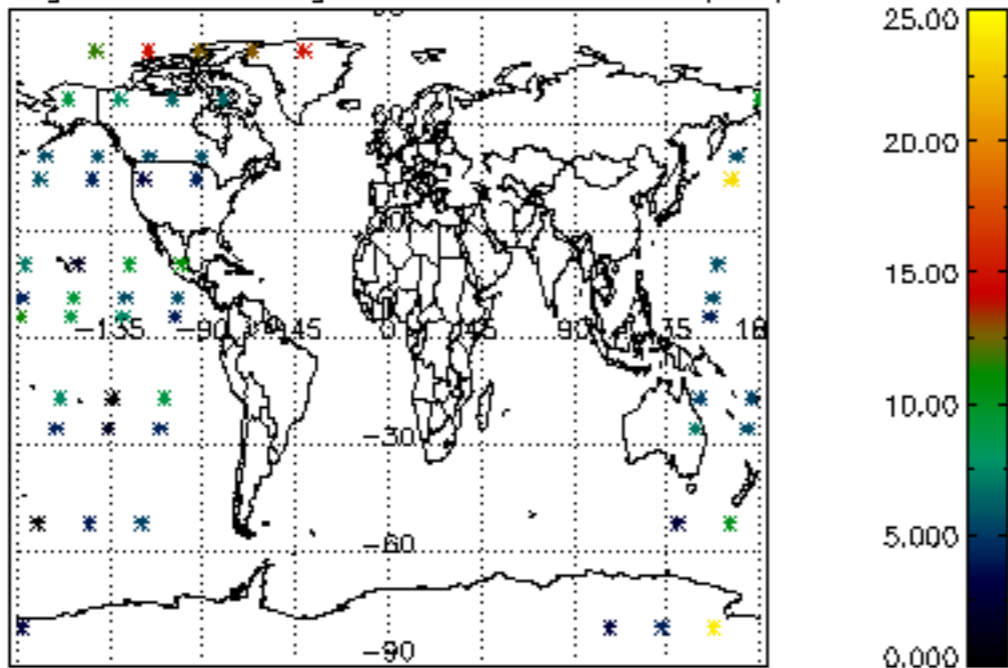
Percentage of cosmic ray hits per profile



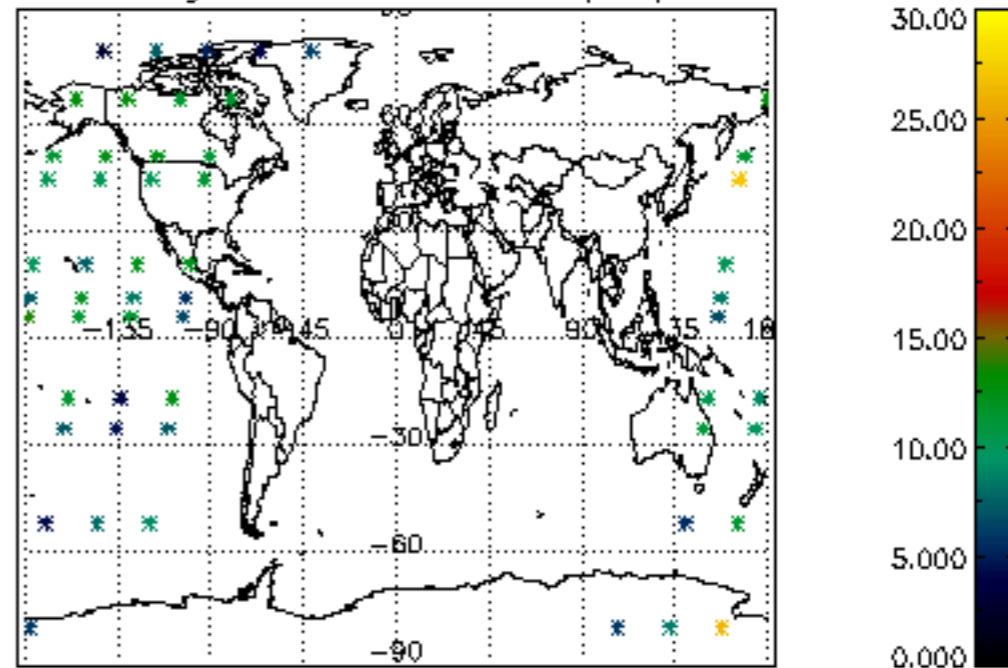
Percentage of datation errors per profile

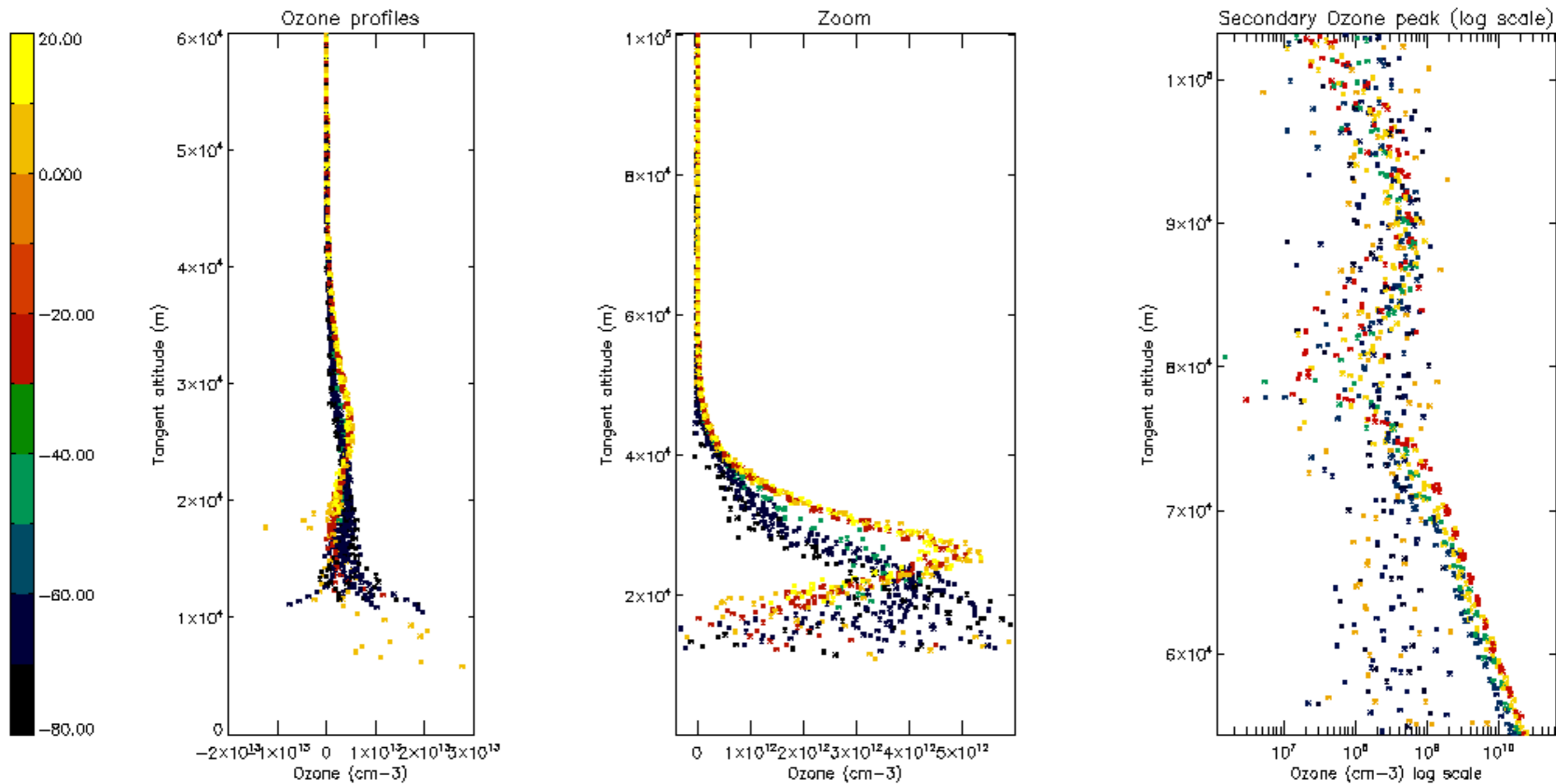


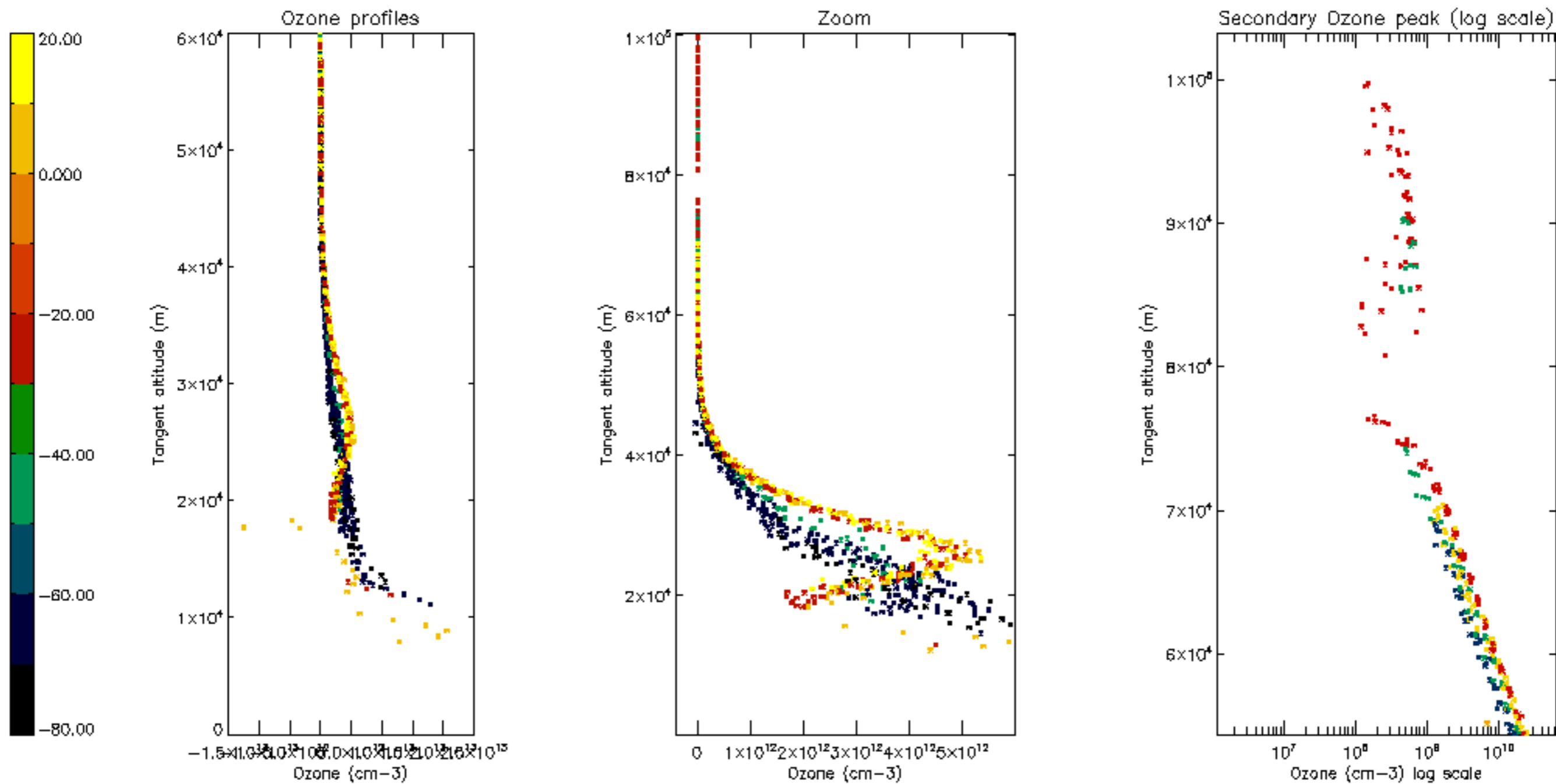
Percentage of star falling outside central band per profile

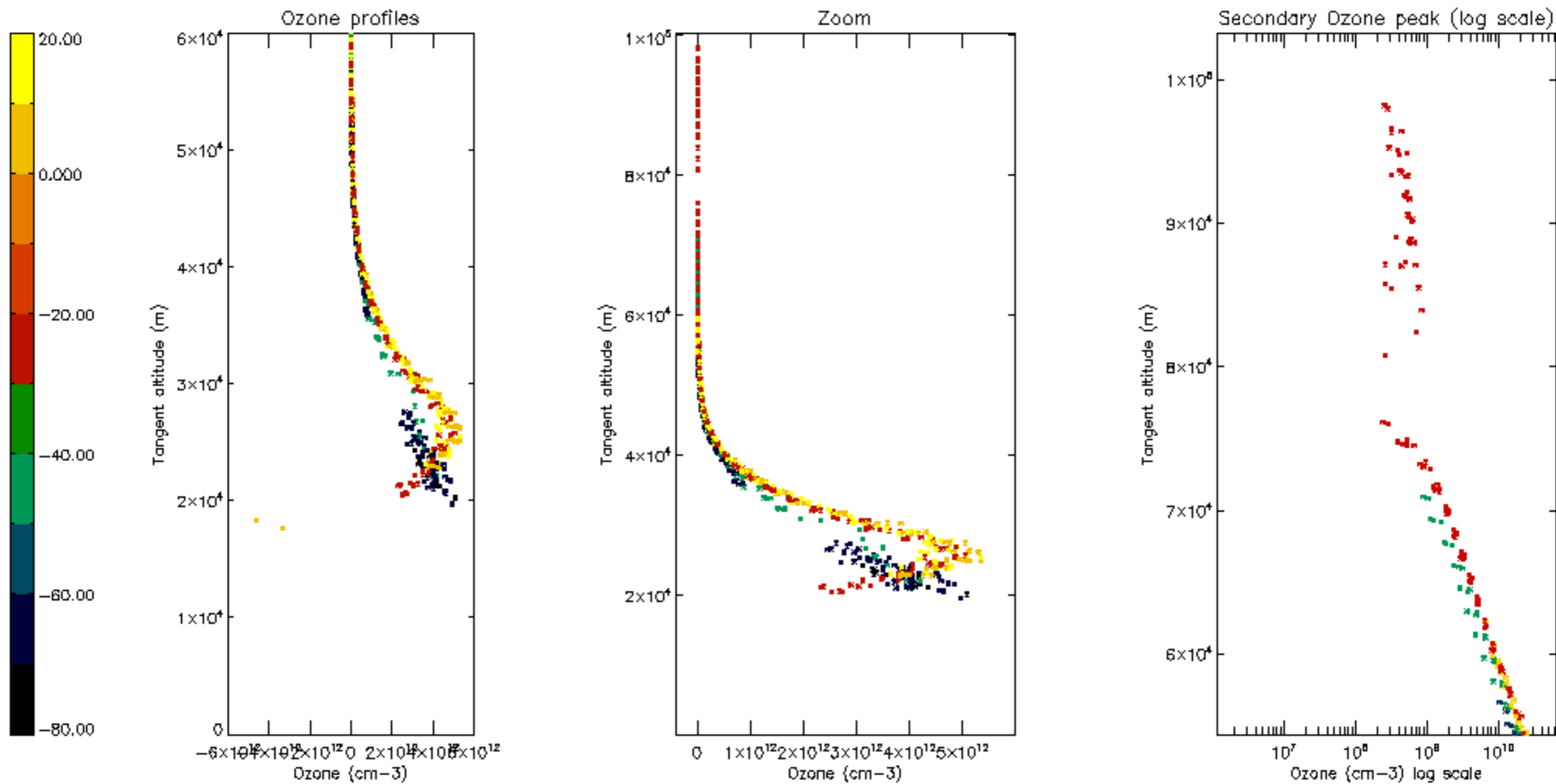


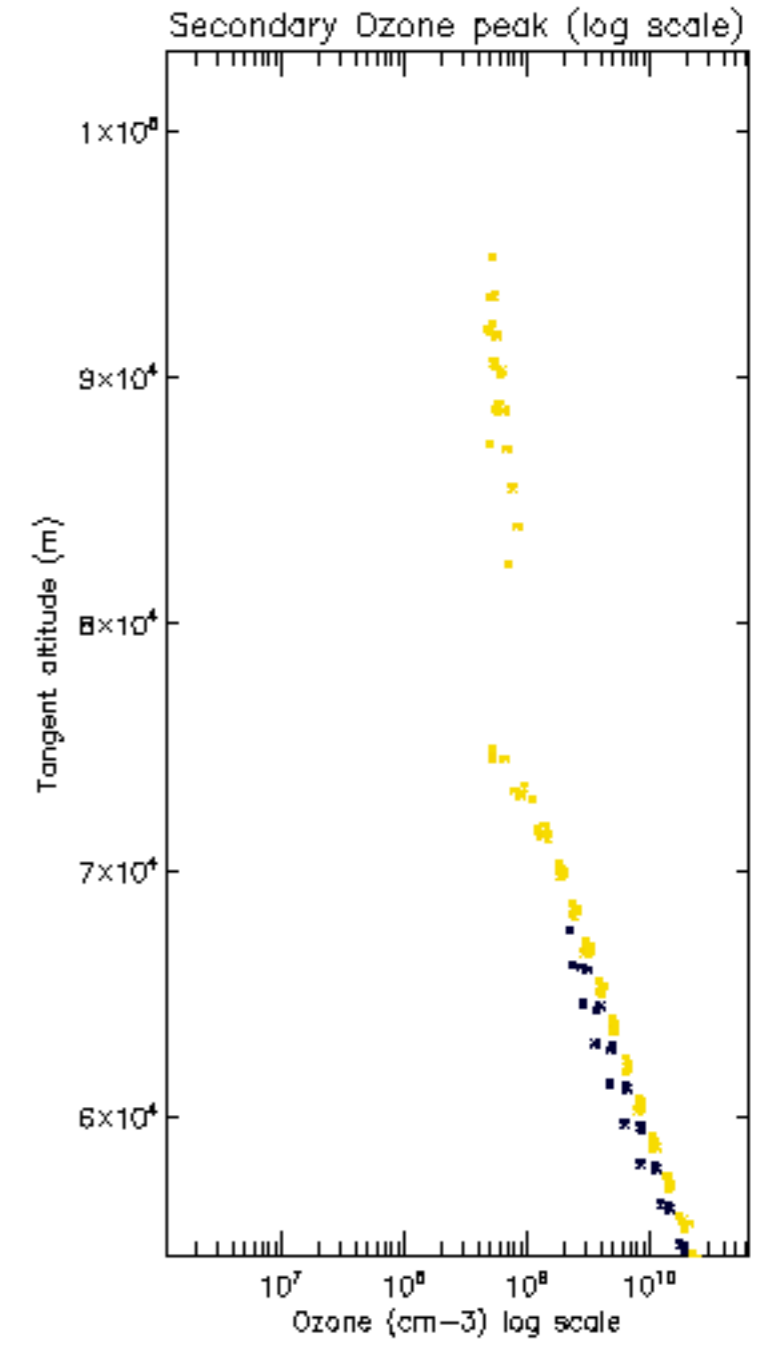
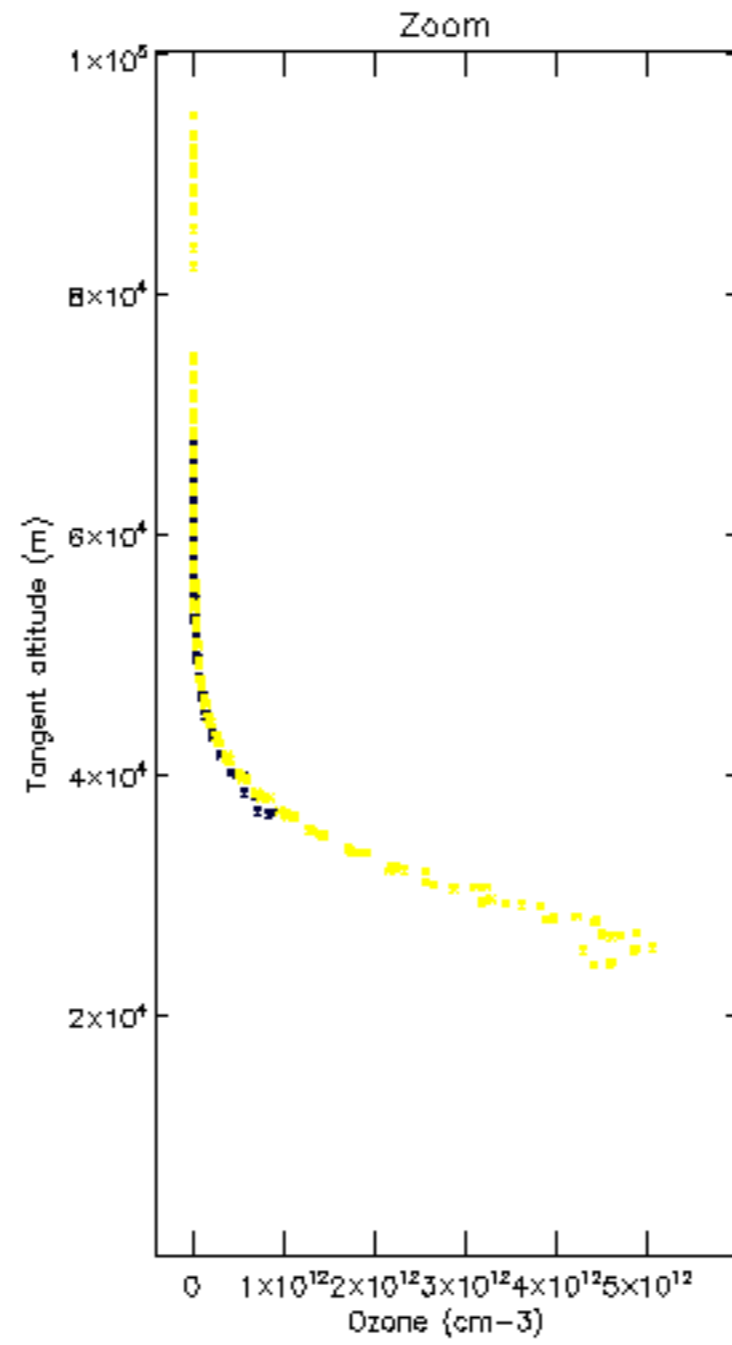
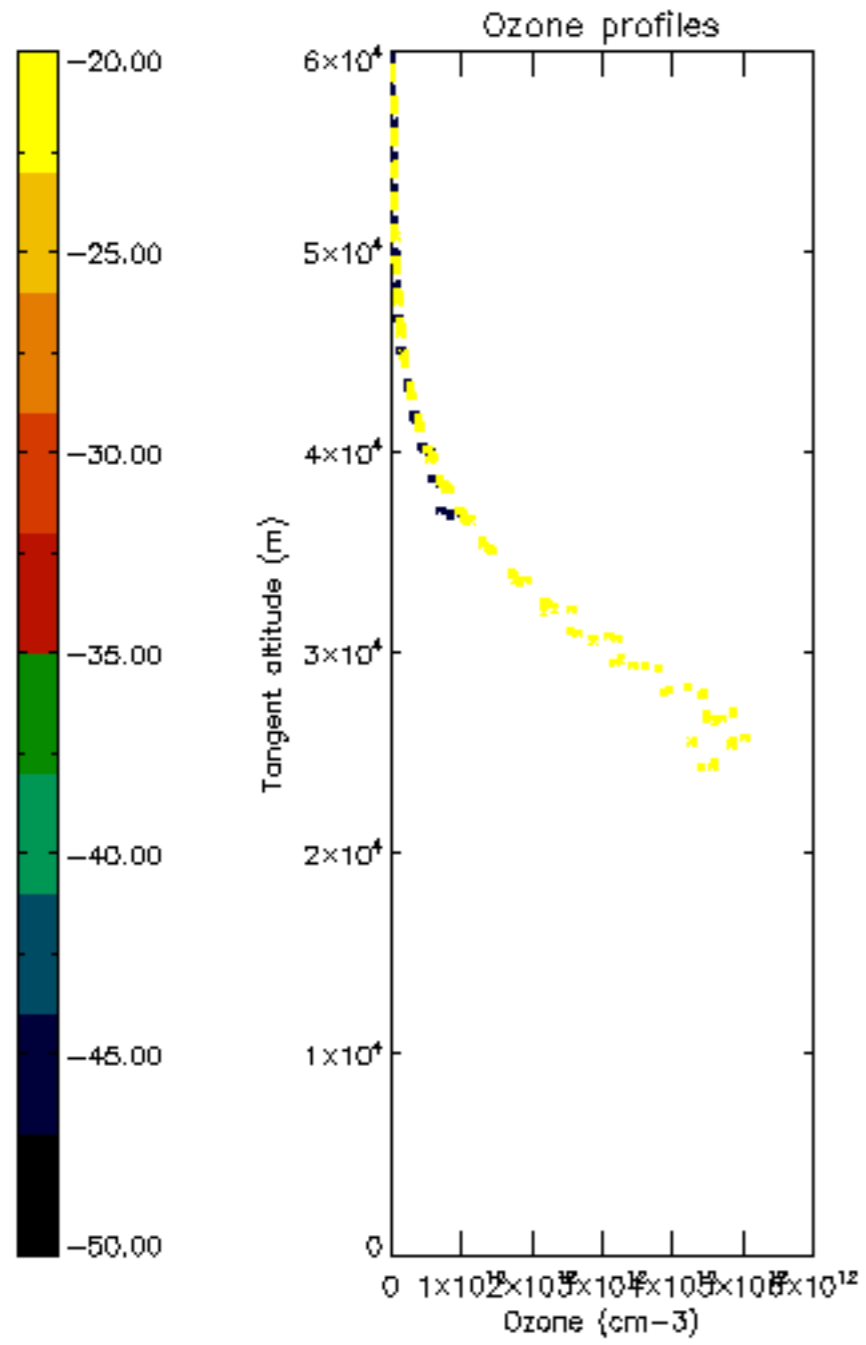
Percentage of saturation errors per profile

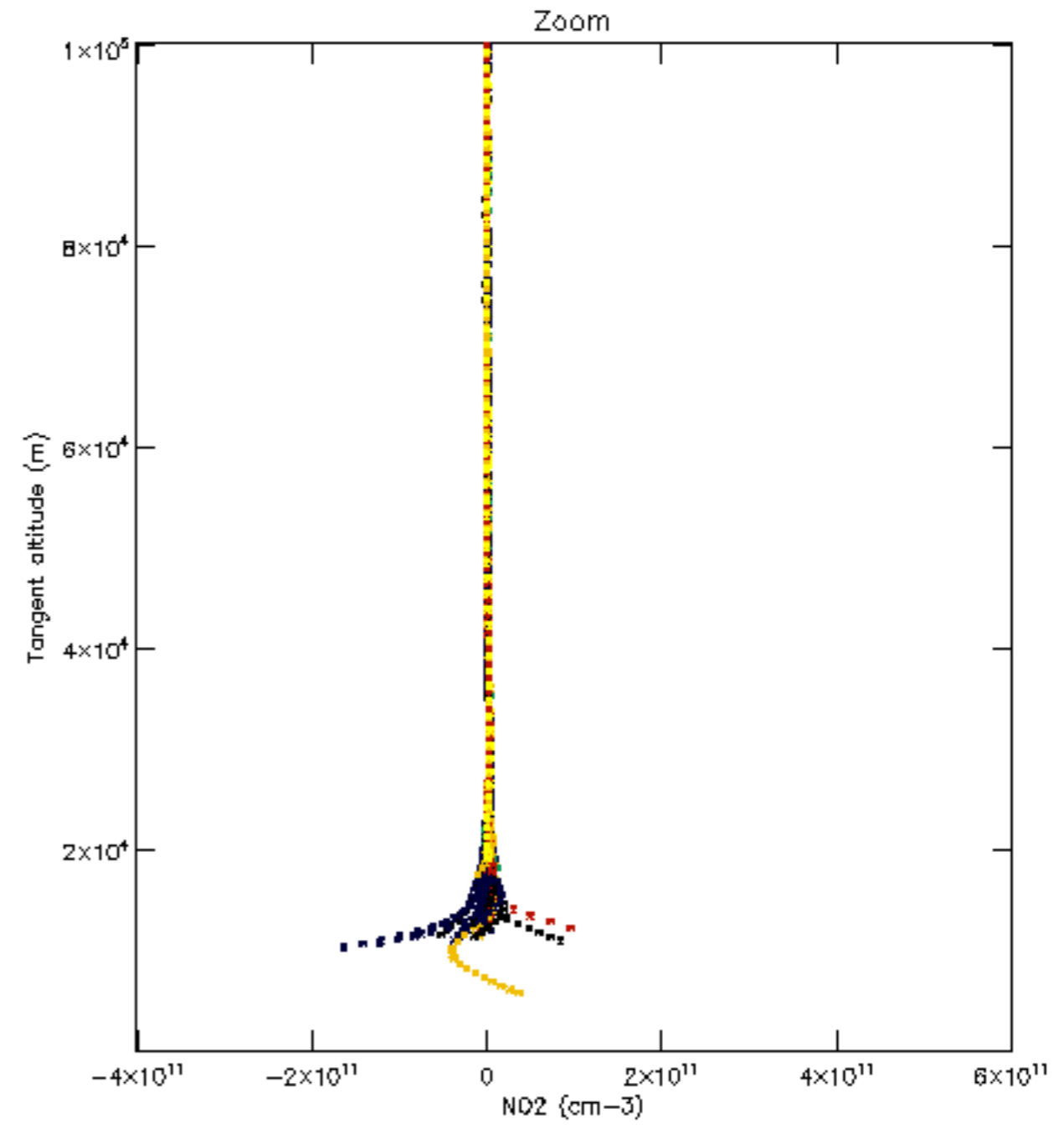
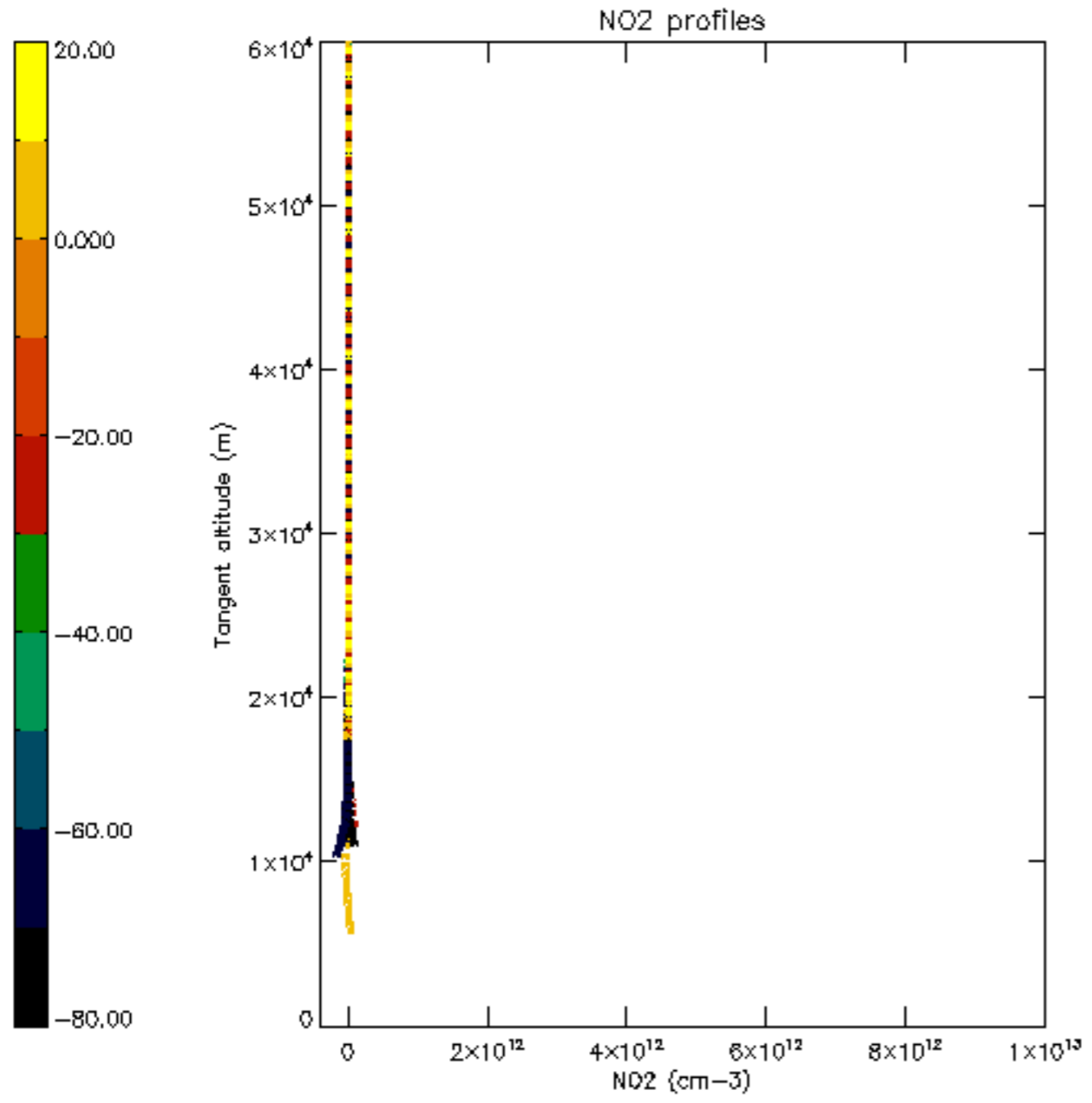


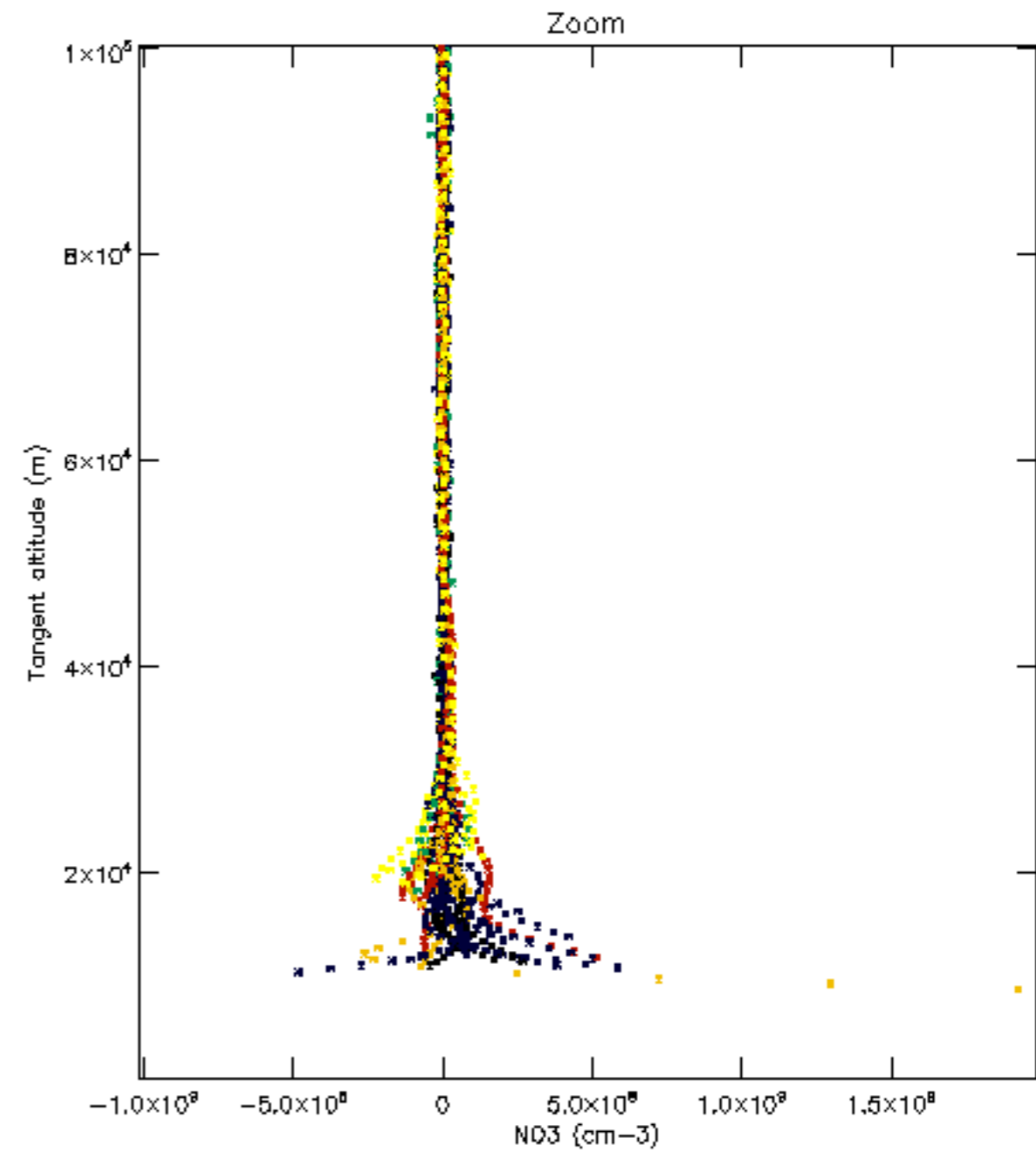
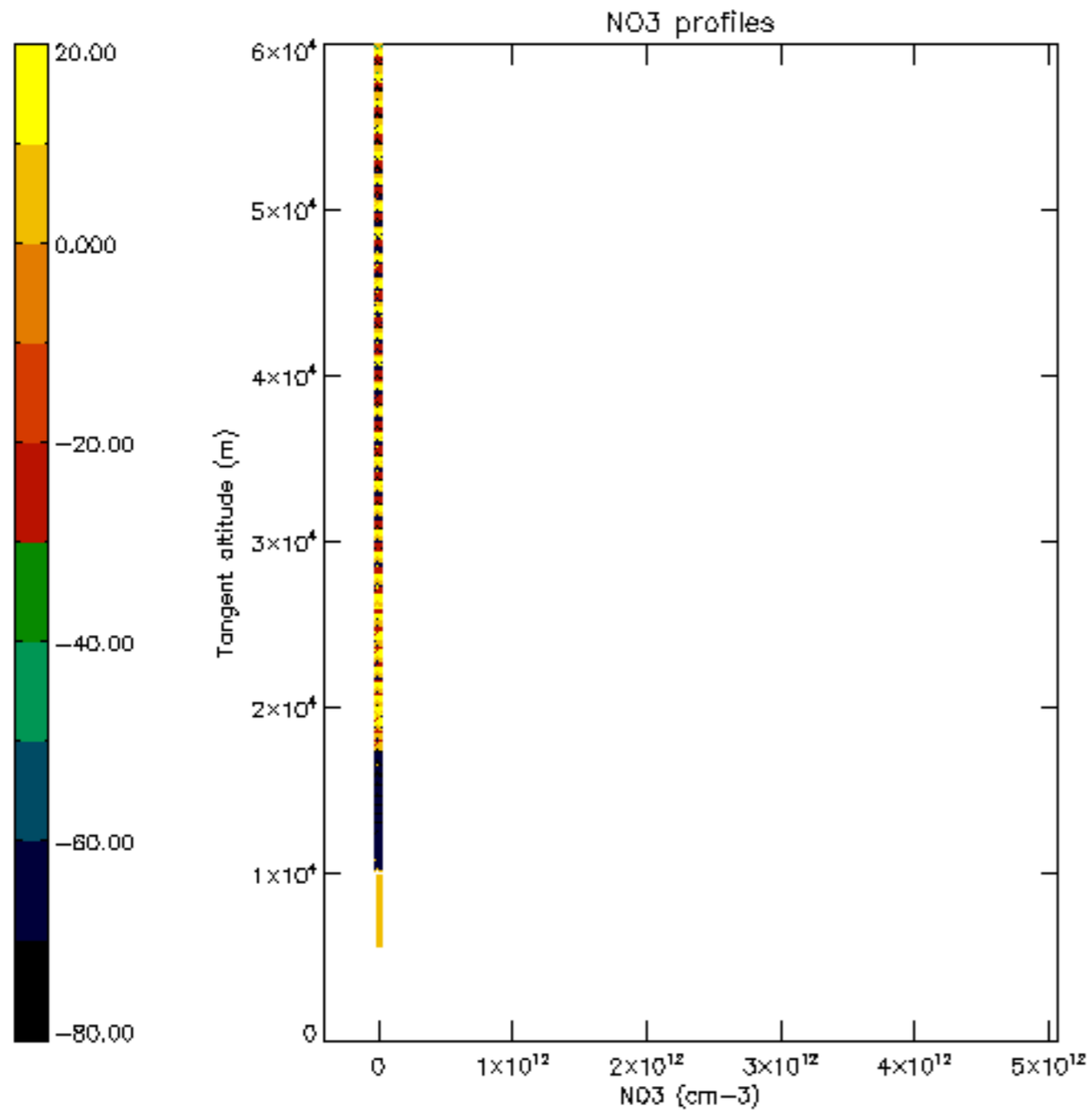


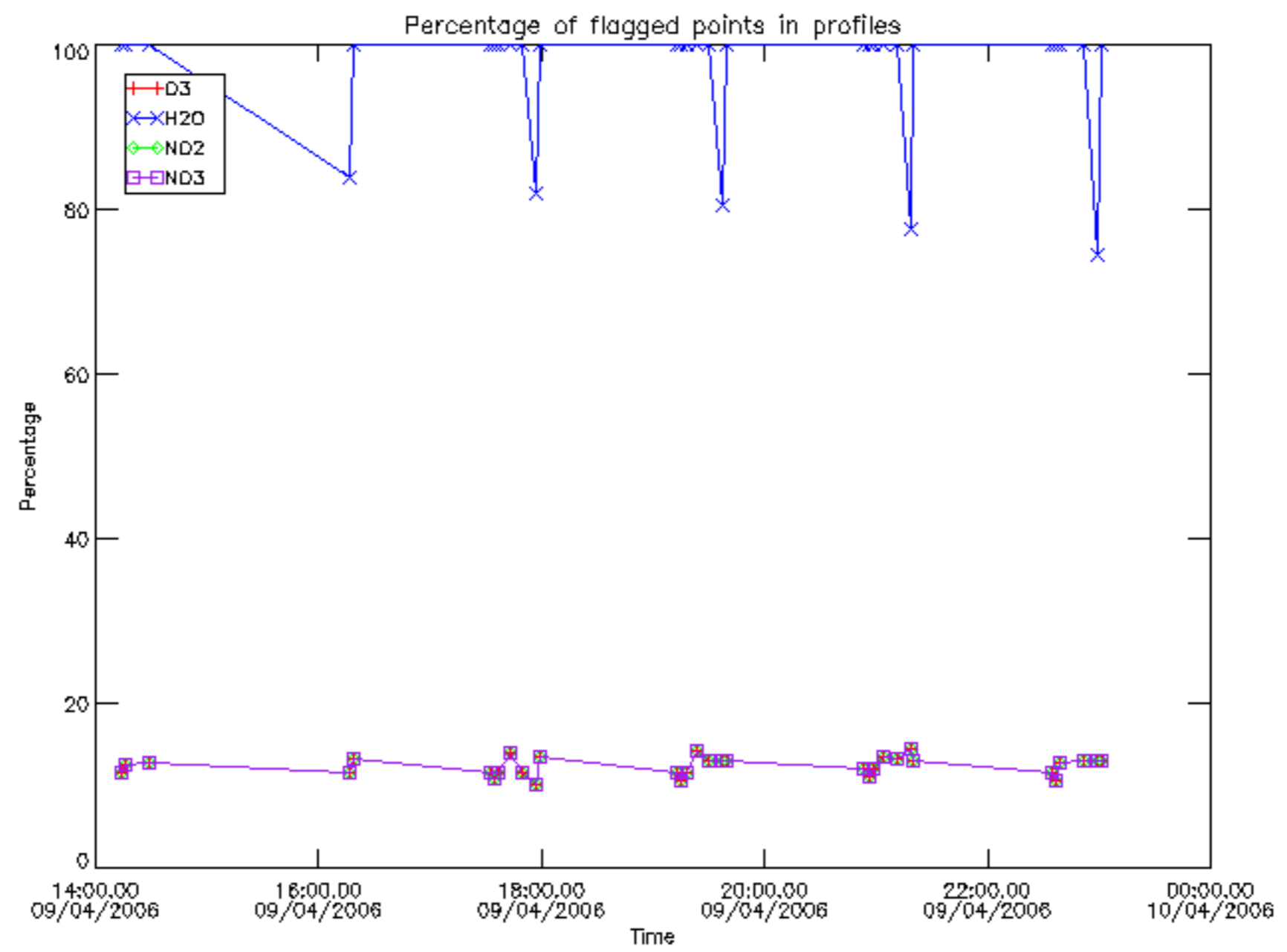




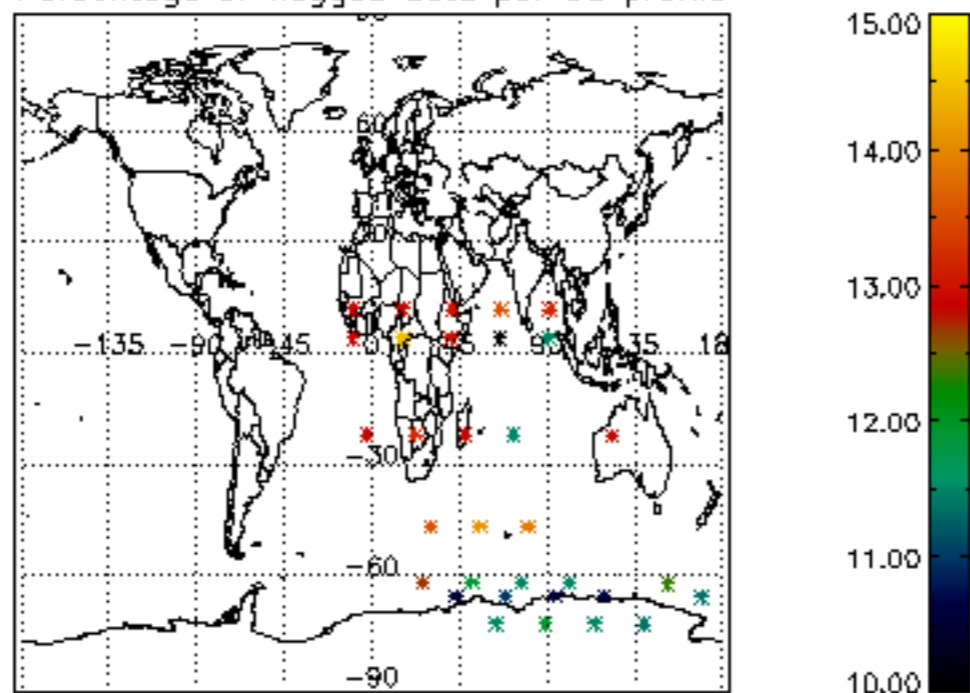




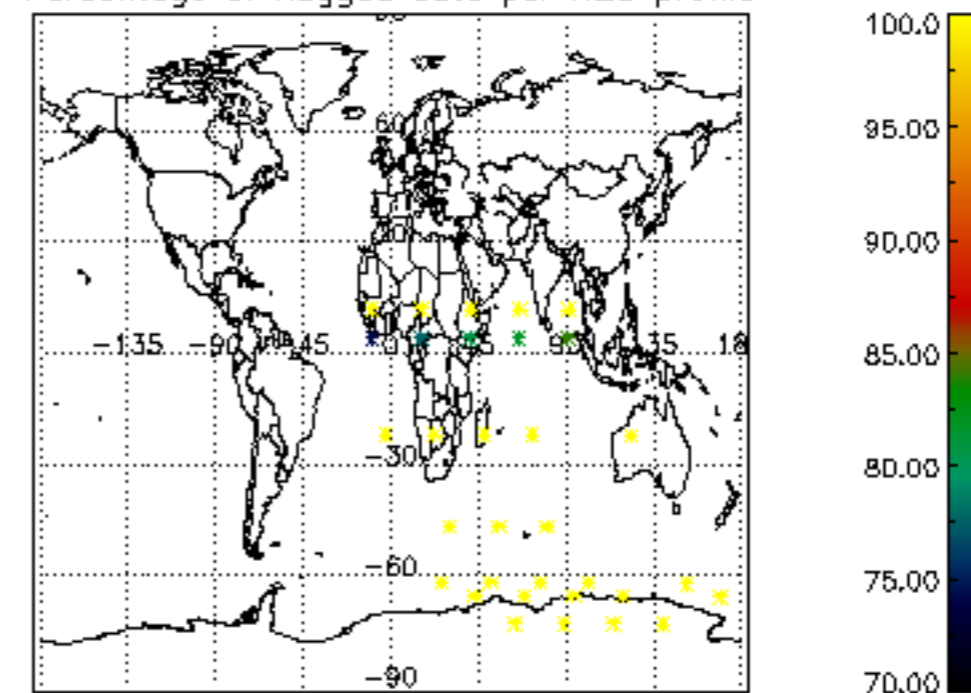




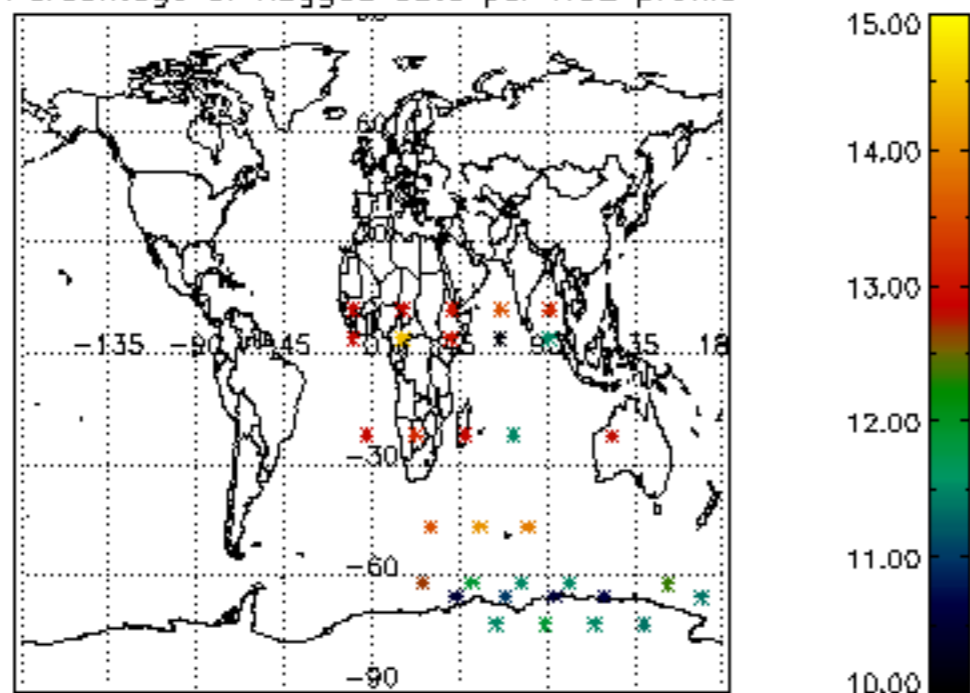
Percentage of flagged data per D3 profile



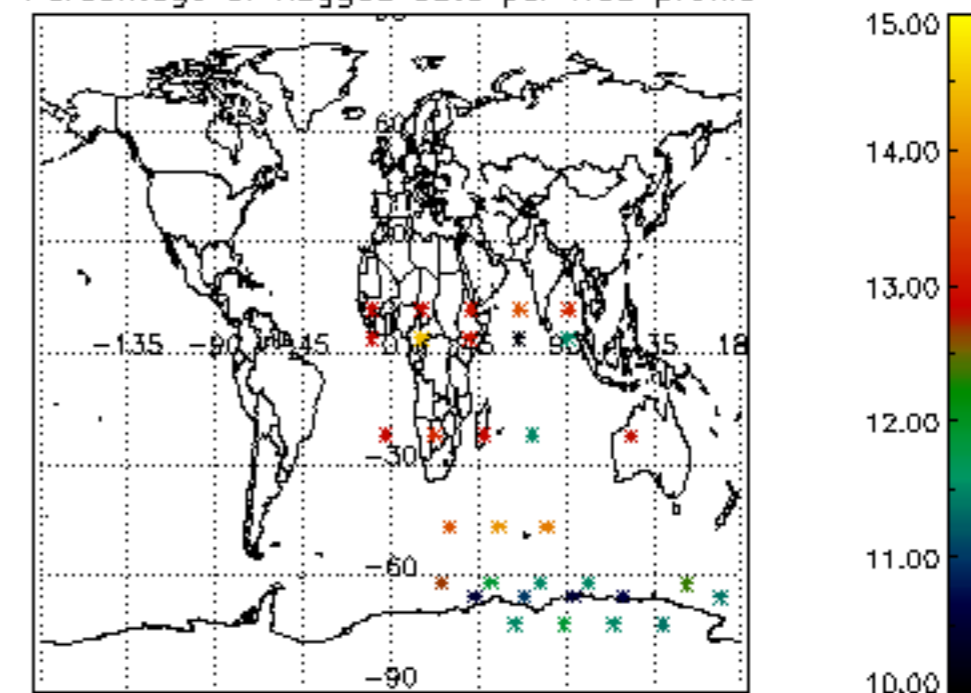
Percentage of flagged data per H2O profile

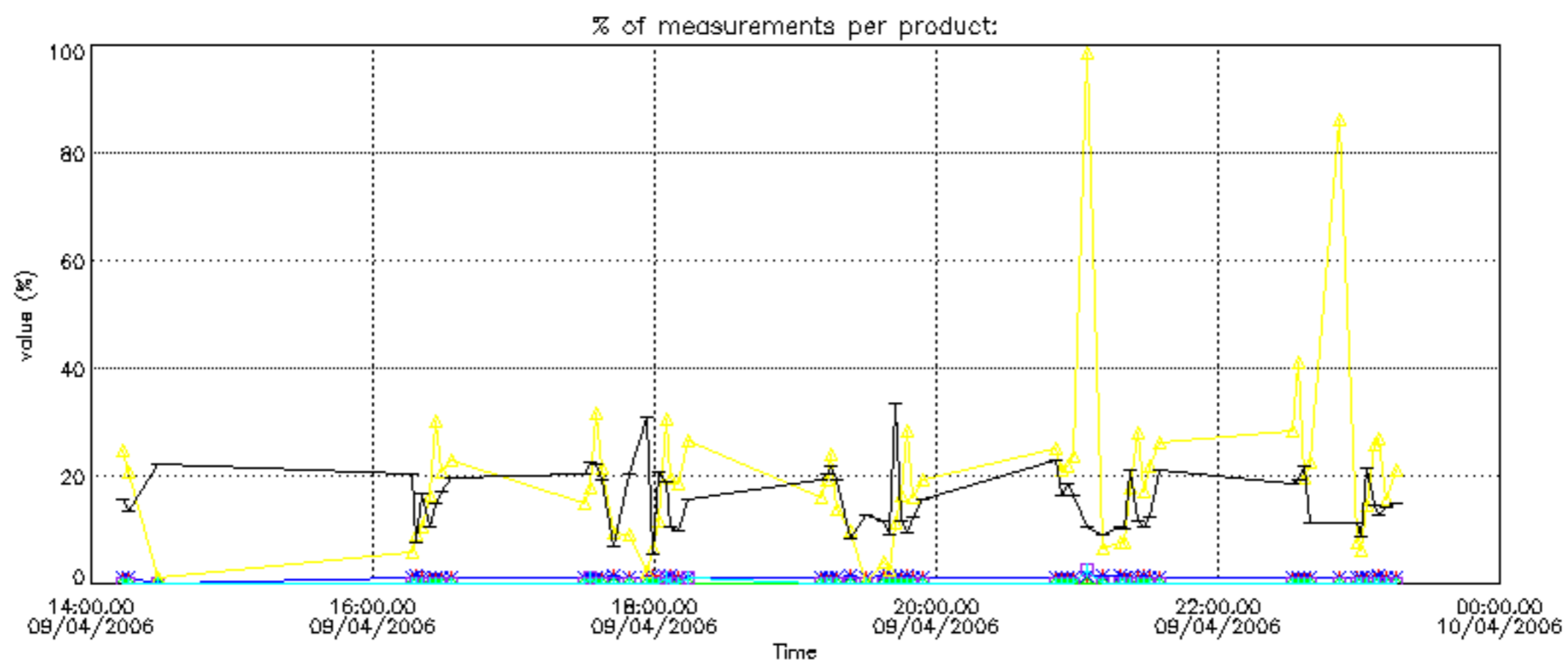
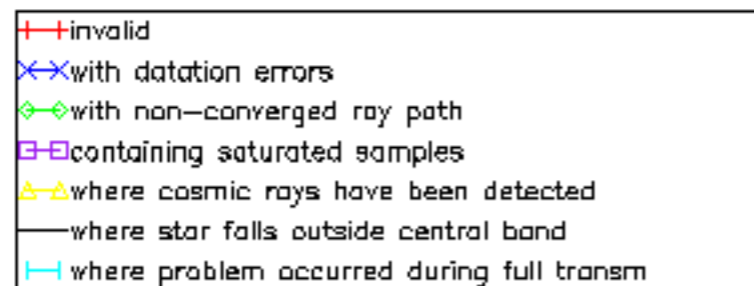


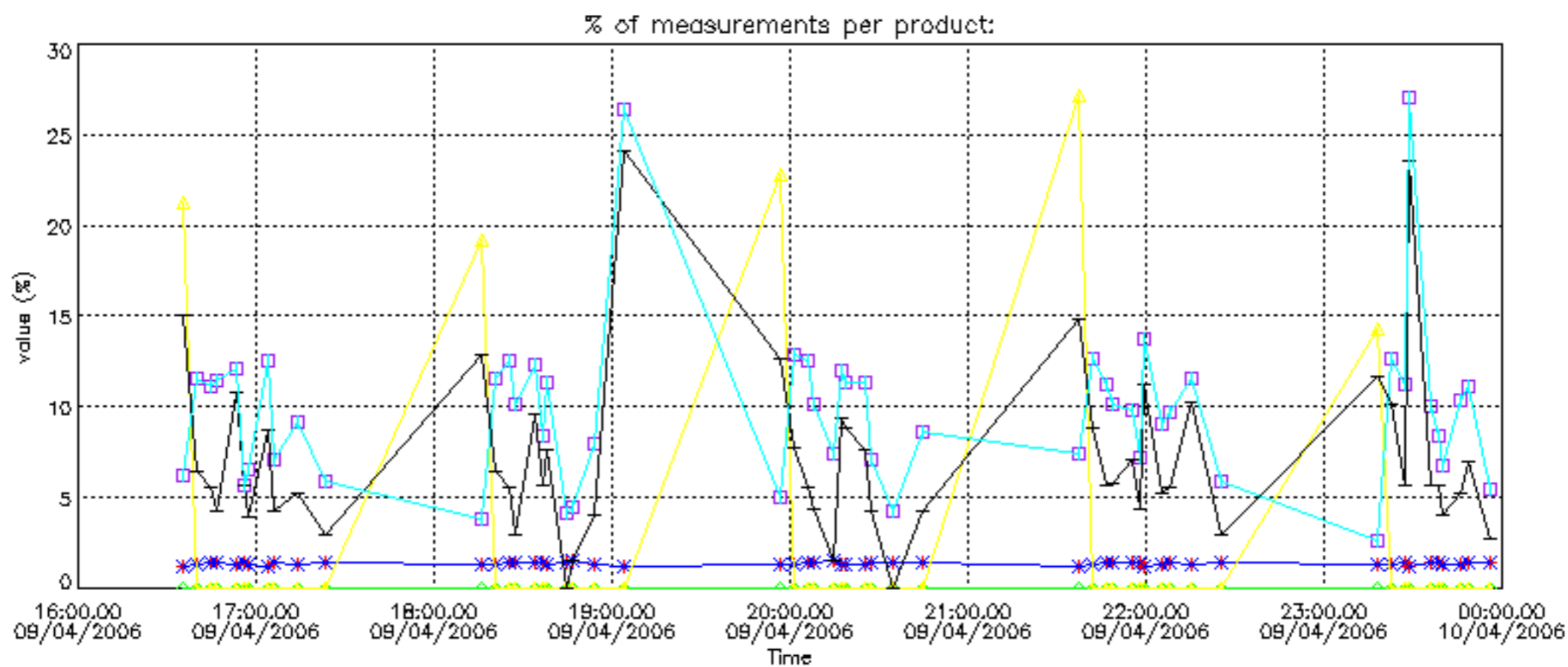
Percentage of flagged data per NO2 profile



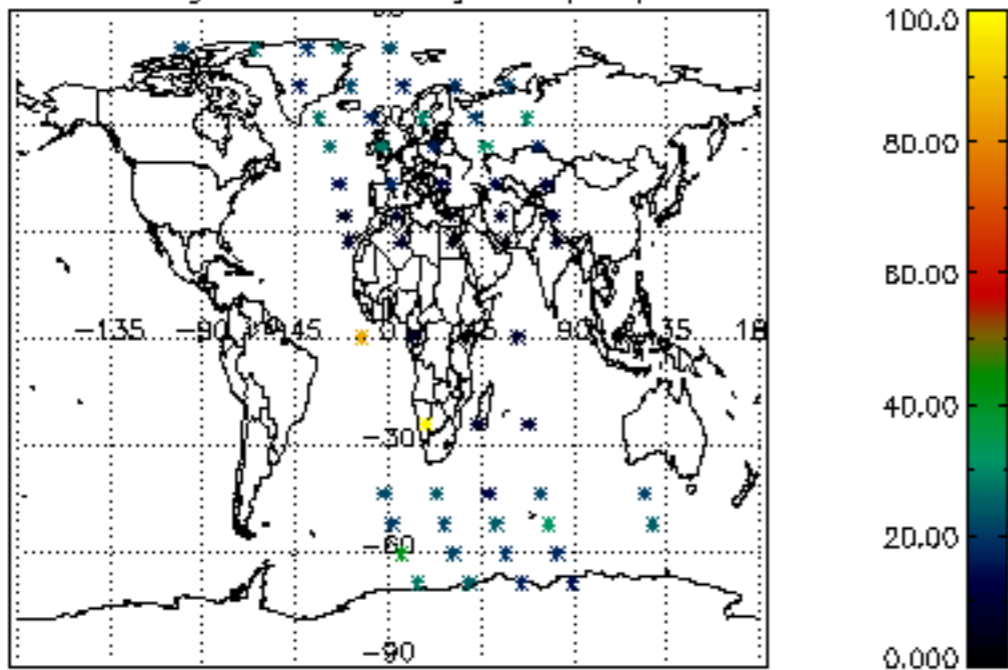
Percentage of flagged data per NO3 profile



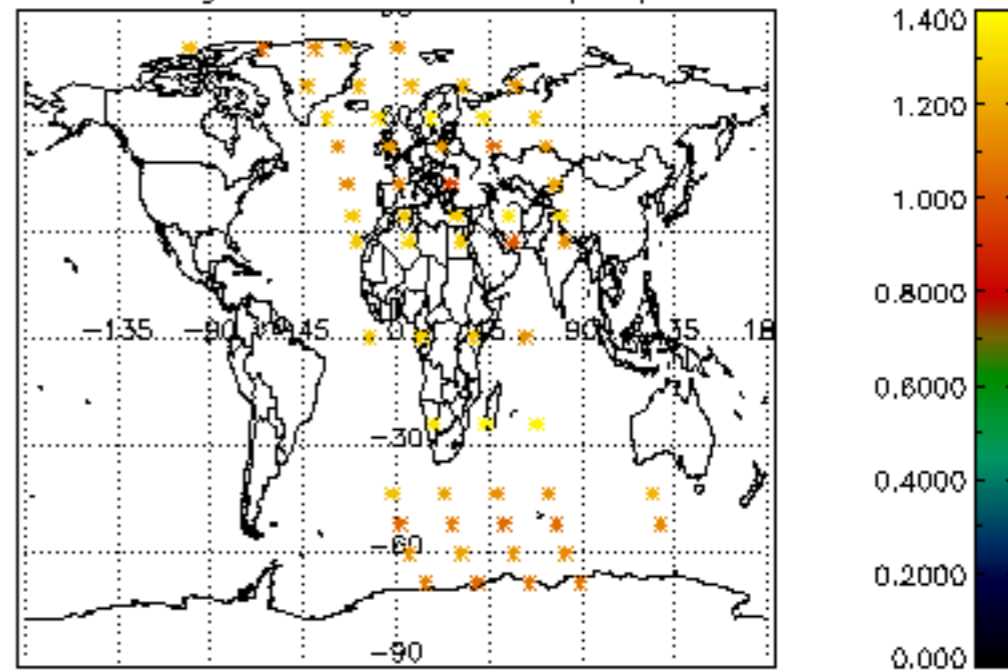




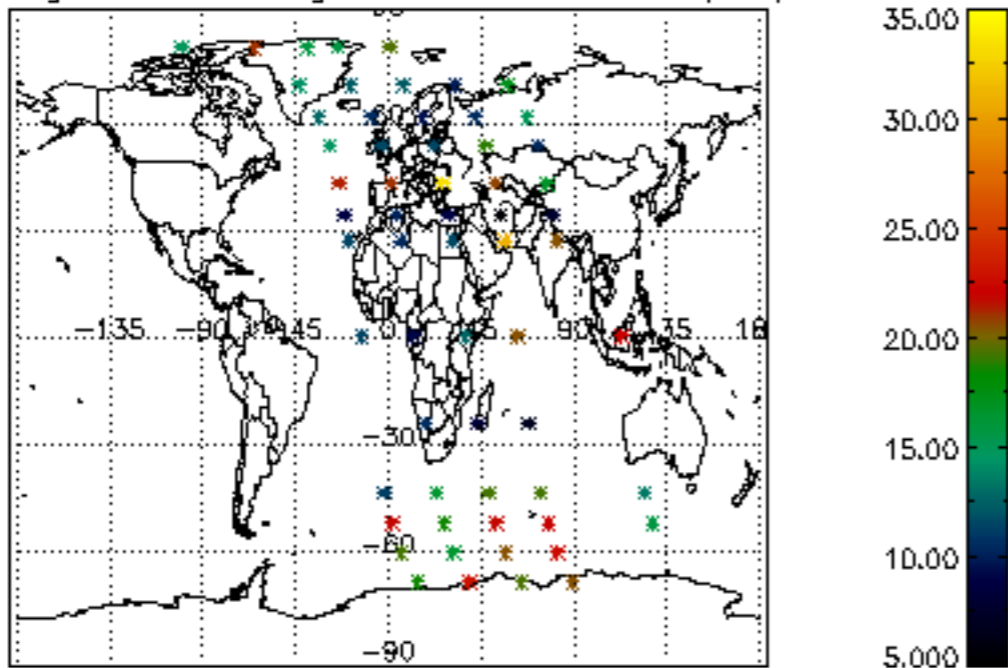
Percentage of cosmic ray hits per profile



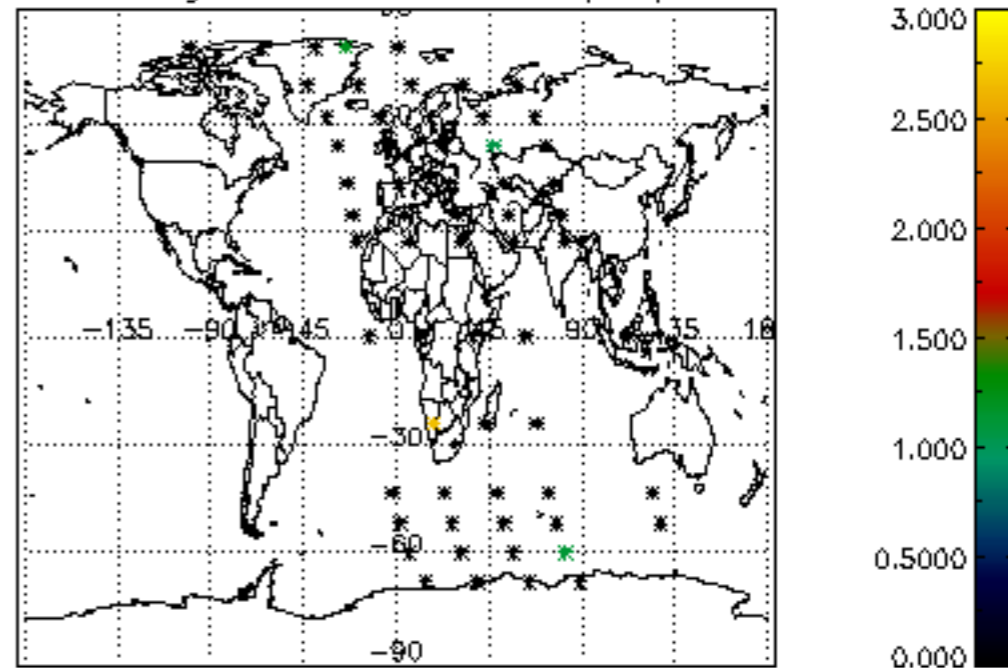
Percentage of datation errors per profile



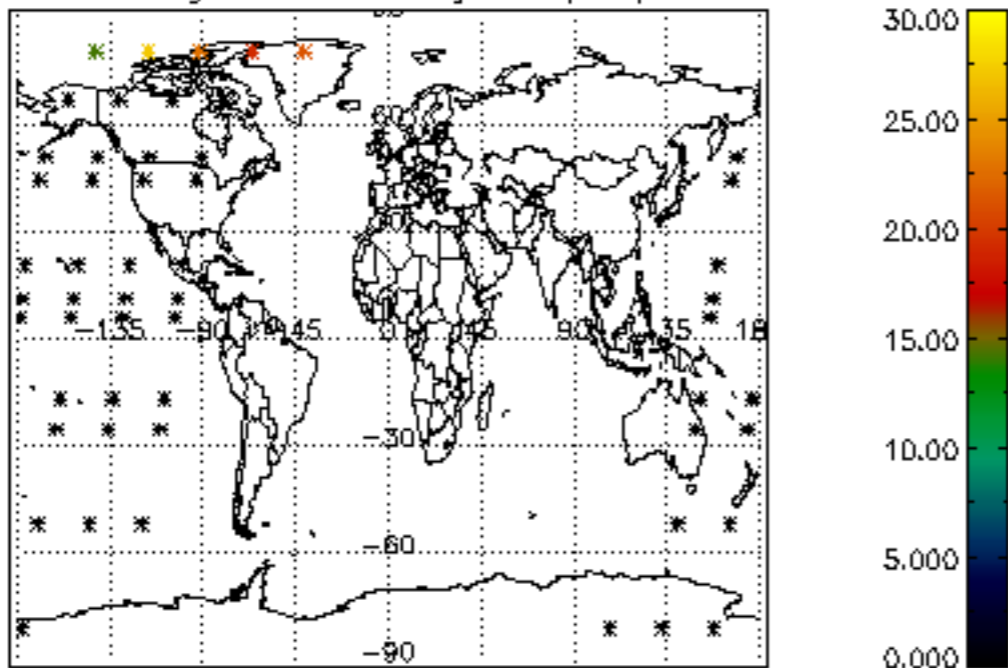
Percentage of star falling outside central band per profile



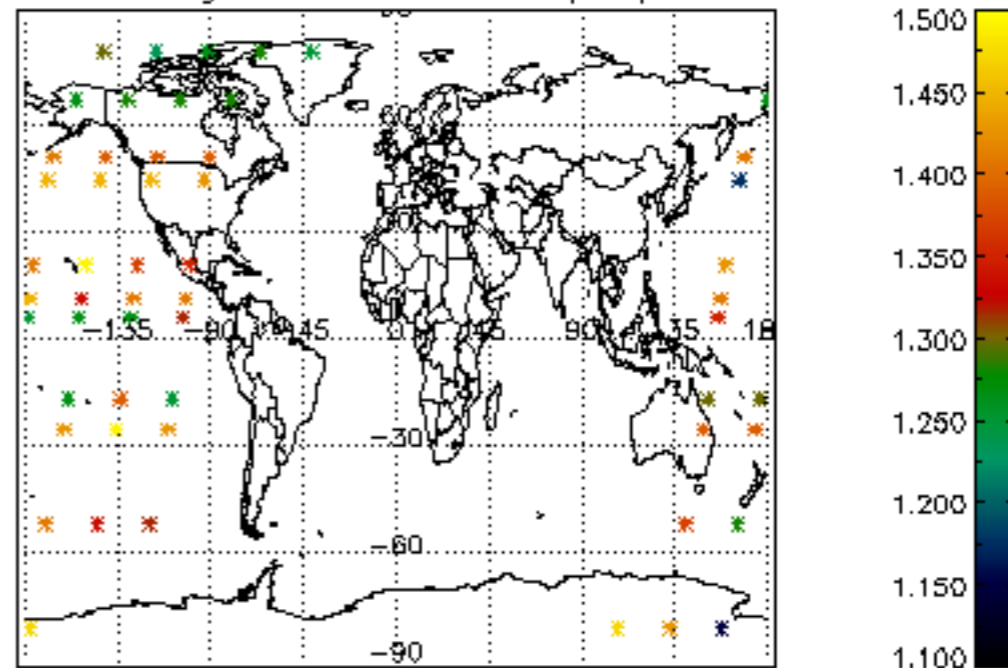
Percentage of saturation errors per profile



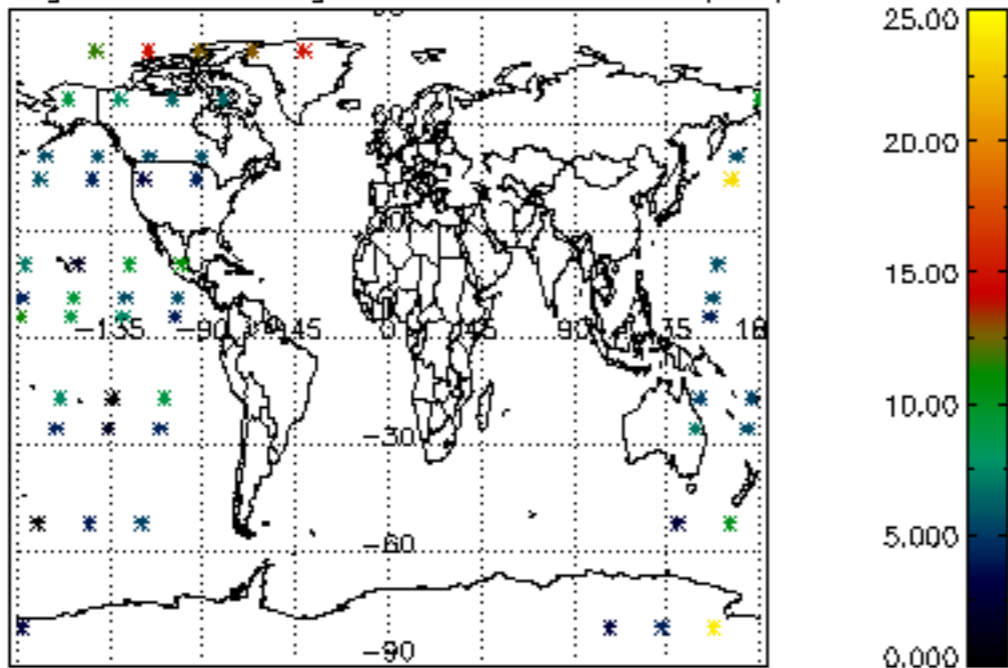
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

