

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	26APR2013 12:39:04
Data source version	GOMOS/6.01
Start time of products	11-09-2009 (11SEP2009 00:00:00)
Stop time of products	12-09-2009 (12SEP2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	219
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__2PRFIN20090911_001517_000000542082_00245_39377_5263.N1	11-SEP-2009 00:15:17	Bright	53.500	42	34Bet Aur	1.9000	10200.	107	39377	No
2	GOM_NL__2PRFIN20090911_002006_000000592082_00245_39377_5264.N1	11-SEP-2009 00:20:06	Bright	59.000	24	66Alp Gem	1.5800	10200.	118	39377	No
3	GOM_NL__2PRFIN20090911_002304_000000552082_00245_39377_5265.N1	11-SEP-2009 00:23:04	Twilight	54.500	170	27Eps Gem	3.0000	9700.0	109	39377	No
4	GOM_NL__2PRFIN20090911_002634_000000612082_00245_39377_5266.N1	11-SEP-2009 00:26:34	Twilight	60.500	44	24Gam Gem	1.9280	11000.	121	39377	No
5	GOM_NL__2PRFIN20090911_002822_000000552082_00245_39377_5267.N1	11-SEP-2009 00:28:22	Twilight	55.000	8	10Alp CMi	0.40000	6500.0	110	39377	No
6	GOM_NL__2PRFIN20090911_003655_000000522082_00245_39377_5268.N1	11-SEP-2009 00:36:55	Dark	52.000	1	9Alp CMA	-1.4400	11000.	104	39377	No
7	GOM_NL__2PRFIN20090911_003834_000000522082_00245_39377_5269.N1	11-SEP-2009 00:38:34	Dark	52.000	47	2Bet CMA	1.9760	28000.	104	39377	No
8	GOM_NL__2PRFIN20090911_004132_000000452082_00245_39377_5270.N1	11-SEP-2009 00:41:32	Dark	45.000	177	1Zet CMA	3.0220	26000.	90	39377	No
9	GOM_NL__2PRFIN20090911_005703_000000562082_00246_39378_5272.N1	11-SEP-2009 00:57:03	Dark	56.000	157	The1Eri	2.9060	9300.0	112	39378	No
10	GOM_NL__2PRFIN20090911_010327_000000462082_00246_39378_5273.N1	11-SEP-2009 01:03:27	Straylight	46.000	84	Alp Phe	2.3970	4500.0	92	39378	No
11	GOM_NL__2PRFIN20090911_012244_000000402082_00246_39378_5274.N1	11-SEP-2009 01:22:44	Bright	40.000	90	54Alp Peg	2.4870	11000.	80	39378	No
12	GOM_NL__2PRFIN20090911_012658_000000392082_00246_39378_5275.N1	11-SEP-2009 01:26:58	Bright	39.000	164	44Eta Peg	2.9480	5400.0	78	39378	No
13	GOM_NL__2PRFIN20090911_013711_000000422082_00246_39378_5276.N1	11-SEP-2009 01:37:11	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	39378	No
14	GOM_NL__2PRFIN20090911_013906_000000452082_00246_39378_5277.N1	11-SEP-2009 01:39:06	Bright	44.500	76	27Gam Cas	2.3000	30000.	89	39378	No
15	GOM_NL__2PRFIN20090911_015553_000000562082_00246_39378_5278.N1	11-SEP-2009 01:55:53	Bright	55.500	42	34Bet Aur	1.9000	10200.	111	39378	No
16	GOM_NL__2PRFIN20090911_020041_000000592082_00246_39378_5279.N1	11-SEP-2009 02:00:41	Bright	59.000	24	66Alp Gem	1.5800	10200.	118	39378	No
17	GOM_NL__2PRFIN20090911_020341_000000592082_00246_39378_5280.N1	11-SEP-2009 02:03:41	Twilight	59.000	170	27Eps Gem	3.0000	9700.0	118	39378	No
18	GOM_NL__2PRFIN20090911_020711_000000612082_00246_39378_5281.N1	11-SEP-2009 02:07:11	Twilight	60.500	44	24Gam Gem	1.9280	11000.	121	39378	No
19	GOM_NL__2PRFIN20090911_020858_000000502082_00246_39378_5282.N1	11-SEP-2009 02:08:58	Twilight	50.000	8	10Alp CMi	0.40000	6500.0	100	39378	No
20	GOM_NL__2PRFIN20090911_021731_000000642082_00246_39378_5283.N1	11-SEP-2009 02:17:31	Dark	64.000	1	9Alp CMA	-1.4400	11000.	128	39378	No
21	GOM_NL__2PRFIN20090911_021911_000000522082_00246_39378_5284.N1	11-SEP-2009 02:19:11	Dark	52.000	47	2Bet CMA	1.9760	28000.	104	39378	No
22	GOM_NL__2PRFIN20090911_041817_000000562082_00248_39380_5299.N1	11-SEP-2009 04:18:17	Dark	55.500	157	The1Eri	2.9060	9300.0	111	39380	No
23	GOM_NL__2PRFIN20090911_042439_000000472082_00248_39380_5300.N1	11-SEP-2009 04:24:39	Straylight	46.500	84	Alp Phe	2.3970	4500.0	93	39380	No
24	GOM_NL__2PRFIN20090911_043239_000000272082_00248_39380_5301.N1	11-SEP-2009 04:32:39	Twilight	27.000	52	16Bet Cet	2.0370	4500.0	54	39380	No
25	GOM_NL__2PRFIN20090911_044356_000000422082_00248_39380_5302.N1	11-SEP-2009 04:43:56	Bright	41.500	90	54Alp Peg	2.4870	11000.	83	39380	No
26	GOM_NL__2PRFIN20090911_044810_000000402082_00248_39380_5303.N1	11-SEP-2009 04:48:10	Bright	40.000	164	44Eta Peg	2.9480	5400.0	80	39380	No
27	GOM_NL__2PRFIN20090911_045822_000000432082_00248_39380_5304.N1	11-SEP-2009 04:58:22	Bright	42.500	74	11Bet Cas	2.2680	6600.0	85	39380	No
28	GOM_NL__2PRFIN20090911_050017_000000432082_00248_39380_5305.N1	11-SEP-2009 05:00:17	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	39380	No
29	GOM_NL__2PRFIN20090911_051705_000000572082_00248_39380_5306.N1	11-SEP-2009 05:17:05	Bright	56.500	42	34Bet Aur	1.9000	10200.	113	39380	No
30	GOM_NL__2PRFIN20090911_052154_000000432082_00248_39380_5307.N1	11-SEP-2009 05:21:54	Bright	42.500	24	66Alp Gem	1.5800	10200.	85	39380	No
31	GOM_NL__2PRFIN20090911_052453_000000632082_00248_39380_5308.N1	11-SEP-2009 05:24:53	Twilight	63.000	170	27Eps Gem	3.0000	9700.0	126	39380	No
32	GOM_NL__2PRFIN20090911_052824_000000602082_00248_39380_5309.N1	11-SEP-2009 05:28:24	Twilight	60.000	44	24Gam Gem	1.9280	11000.	120	39380	No
33	GOM_NL__2PRFIN20090911_053011_000000542082_00248_39380_5310.N1	11-SEP-2009 05:30:11	Twilight	53.500	8	10Alp CMi	0.40000	6500.0	107	39380	No
34	GOM_NL__2PRFIN20090911_053845_000000522082_00248_39380_5311.N1	11-SEP-2009 05:38:45	Dark	51.500	1	9Alp CMA	-1.4400	11000.	103	39380	No
35	GOM_NL__2PRFIN20090911_054025_000000552082_00248_39380_5312.N1	11-SEP-2009 05:40:25	Dark	54.500	47	2Bet CMA	1.9760	28000.	109	39380	No
36	GOM_NL__2PRFIN20090911_054323_000000472082_00248_39380_5313.N1	11-SEP-2009 05:43:23	Dark	46.500	177	1Zet CMA	3.0220	26000.	93	39380	No
37	GOM_NL__2PRFIN20090911_054642_000000492082_00248_39380_5314.N1	11-SEP-2009 05:46:42	Dark	48.500	108	Alp Col	2.6520	15200.	97	39380	No
38	GOM_NL__2PRFIN20090911_055854_000000552082_00249_39381_5313.N1	11-SEP-2009 05:58:54	Dark	55.000	157	The1Eri	2.9060	9300.0	110	39381	No
39	GOM_NL__2PRFIN20090911_060516_000000442082_00249_39381_5314.N1	11-SEP-2009 06:05:16	Straylight	44.000	84	Alp Phe	2.3970	4500.0	88	39381	No
40	GOM_NL__2PRFIN20090911_061315_000000272082_00249_39381_5315.N1	11-SEP-2009 06:13:15	Twilight	27.000	52	16Bet Cet	2.0370	4500.0	54	39381	No
41	GOM_NL__2PRFIN20090911_062431_000000422082_00249_39381_5316.N1	11-SEP-2009 06:24:31	Bright	42.000	90	54Alp Peg	2.4870	11000.	84	39381	No
42	GOM_NL__2PRFIN20090911_062845_000000412082_00249_39381_5317.N1	11-SEP-2009 06:28:45	Bright	40.500	164	44Eta Peg	2.9480	5400.0	81	39381	No

43	GOM_NL__2PRFIN20090911_063857_000000422082_00249_39381_5318.N1	11-SEP-2009 06:38:57	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	39381	No
44	GOM_NL__2PRFIN20090911_064052_000000442082_00249_39381_5319.N1	11-SEP-2009 06:40:52	Bright	44.000	76	27Gam Cas	2.3000	30000.	88	39381	No
45	GOM_NL__2PRFIN20090911_065741_000000522082_00249_39381_5320.N1	11-SEP-2009 06:57:41	Bright	51.500	42	34Bet Aur	1.9000	10200.	103	39381	No
46	GOM_NL__2PRFIN20090911_070230_000000422082_00249_39381_5321.N1	11-SEP-2009 07:02:30	Bright	42.000	24	66Alp Gem	1.5800	10200.	84	39381	No
47	GOM_NL__2PRFIN20090911_070530_000000592082_00249_39381_5322.N1	11-SEP-2009 07:05:30	Twi_and_stray	59.000	170	27Eps Gem	3.0000	9700.0	118	39381	No
48	GOM_NL__2PRFIN20090911_070900_000000592082_00249_39381_5323.N1	11-SEP-2009 07:09:00	Twi_and_stray	59.000	44	24Gam Gem	1.9280	11000.	118	39381	No
49	GOM_NL__2PRFIN20090911_071047_000000512082_00249_39381_5324.N1	11-SEP-2009 07:10:47	Twilight	51.000	8	10Alp CMi	0.40000	6500.0	102	39381	No
50	GOM_NL__2PRFIN20090911_071922_000000592082_00249_39381_5325.N1	11-SEP-2009 07:19:22	Dark	58.500	1	9Alp CMa	-1.4400	11000.	117	39381	No
51	GOM_NL__2PRFIN20090911_072102_000000522082_00249_39381_5326.N1	11-SEP-2009 07:21:02	Dark	52.000	47	2Bet CMa	1.9760	28000.	104	39381	No
52	GOM_NL__2PRFIN20090911_072400_000000452082_00249_39381_5327.N1	11-SEP-2009 07:24:00	Dark	45.000	177	1Zet CMa	3.0220	26000.	90	39381	No
53	GOM_NL__2PRFIN20090911_072719_000000492082_00249_39381_5328.N1	11-SEP-2009 07:27:19	Dark	48.500	108	Alp Col	2.6520	15200.	97	39381	No
54	GOM_NL__2PRFIN20090911_073931_000000552082_00250_39382_5331.N1	11-SEP-2009 07:39:31	Dark	55.000	157	The1Eri	2.9060	9300.0	110	39382	No
55	GOM_NL__2PRFIN20090911_074552_000000442082_00250_39382_5332.N1	11-SEP-2009 07:45:52	Straylight	44.000	84	Alp Phe	2.3970	4500.0	88	39382	No
56	GOM_NL__2PRFIN20090911_075351_000000322082_00250_39382_5333.N1	11-SEP-2009 07:53:51	Twi_and_stray	31.500	52	16Bet Cet	2.0370	4500.0	63	39382	No
57	GOM_NL__2PRFIN20090911_080507_000000432082_00250_39382_5334.N1	11-SEP-2009 08:05:07	Bright	42.500	90	54Alp Peg	2.4870	11000.	85	39382	No
58	GOM_NL__2PRFIN20090911_080921_000000392082_00250_39382_5335.N1	11-SEP-2009 08:09:21	Bright	38.500	164	44Eta Peg	2.9480	5400.0	77	39382	No
59	GOM_NL__2PRFIN20090911_081141_000000252082_00250_39382_5336.N1	11-SEP-2009 08:11:41	Twi_and_stray	25.000	58	21Alp And	2.0730	11000.	50	39382	No
60	GOM_NL__2PRFIN20090911_081932_000000412082_00250_39382_5337.N1	11-SEP-2009 08:19:32	Bright	40.500	74	11Bet Cas	2.2680	6600.0	81	39382	No
61	GOM_NL__2PRFIN20090911_082127_000000432082_00250_39382_5338.N1	11-SEP-2009 08:21:27	Bright	43.000	76	27Gam Cas	2.3000	30000.	86	39382	No
62	GOM_NL__2PRFIN20090911_083816_000000552082_00250_39382_5339.N1	11-SEP-2009 08:38:16	Bright	54.500	42	34Bet Aur	1.9000	10200.	109	39382	No
63	GOM_NL__2PRFIN20090911_084306_000000422082_00250_39382_5340.N1	11-SEP-2009 08:43:06	Bright	41.500	24	66Alp Gem	1.5800	10200.	83	39382	No
64	GOM_NL__2PRFIN20090911_084606_000000602082_00250_39382_5341.N1	11-SEP-2009 08:46:06	Twi_and_stray	59.500	170	27Eps Gem	3.0000	9700.0	119	39382	No
65	GOM_NL__2PRFIN20090911_084937_000000622082_00250_39382_5342.N1	11-SEP-2009 08:49:37	Twi_and_stray	61.500	44	24Gam Gem	1.9280	11000.	123	39382	No
66	GOM_NL__2PRFIN20090911_085124_000000532082_00250_39382_5343.N1	11-SEP-2009 08:51:24	Twilight	53.000	8	10Alp CMi	0.40000	6500.0	106	39382	No
67	GOM_NL__2PRFIN20090911_085959_000000562082_00250_39382_5344.N1	11-SEP-2009 08:59:59	Dark	56.000	1	9Alp CMa	-1.4400	11000.	112	39382	No
68	GOM_NL__2PRFIN20090911_090139_000000522082_00250_39382_5345.N1	11-SEP-2009 09:01:39	Dark	51.500	47	2Bet CMa	1.9760	28000.	103	39382	No
69	GOM_NL__2PRFIN20090911_090437_000000462082_00250_39382_5346.N1	11-SEP-2009 09:04:37	Dark	46.000	177	1Zet CMa	3.0220	26000.	92	39382	No
70	GOM_NL__2PRFIN20090911_090756_000000482082_00250_39382_5347.N1	11-SEP-2009 09:07:56	Dark	48.000	108	Alp Col	2.6520	15200.	96	39382	No
71	GOM_NL__2PRFIN20090911_092008_000000552082_00251_39383_5355.N1	11-SEP-2009 09:20:08	Dark	54.500	157	The1Eri	2.9060	9300.0	109	39383	No
72	GOM_NL__2PRFIN20090911_092629_000000512082_00251_39383_5356.N1	11-SEP-2009 09:26:29	Straylight	51.000	84	Alp Phe	2.3970	4500.0	102	39383	No
73	GOM_NL__2PRFIN20090911_093427_000000322082_00251_39383_5357.N1	11-SEP-2009 09:34:27	Twi_and_stray	31.500	52	16Bet Cet	2.0370	4500.0	63	39383	No
74	GOM_NL__2PRFIN20090911_094543_000000412082_00251_39383_5358.N1	11-SEP-2009 09:45:43	Bright	40.500	90	54Alp Peg	2.4870	11000.	81	39383	No
75	GOM_NL__2PRFIN20090911_094957_000000482082_00251_39383_5359.N1	11-SEP-2009 09:49:57	Bright	47.500	164	44Eta Peg	2.9480	5400.0	95	39383	No
76	GOM_NL__2PRFIN20090911_095216_000000252082_00251_39383_5360.N1	11-SEP-2009 09:52:16	Twi_and_stray	25.000	58	21Alp And	2.0730	11000.	50	39383	No
77	GOM_NL__2PRFIN20090911_100008_000000422082_00251_39383_5361.N1	11-SEP-2009 10:00:08	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	39383	No
78	GOM_NL__2PRFIN20090911_100203_000000422082_00251_39383_5362.N1	11-SEP-2009 10:02:03	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	39383	No
79	GOM_NL__2PRFIN20090911_101852_000000562082_00251_39383_5363.N1	11-SEP-2009 10:18:52	Bright	55.500	42	34Bet Aur	1.9000	10200.	111	39383	No
80	GOM_NL__2PRFIN20090911_102342_000000432082_00251_39383_5364.N1	11-SEP-2009 10:23:42	Bright	42.500	24	66Alp Gem	1.5800	10200.	85	39383	No
81	GOM_NL__2PRFIN20090911_102642_000000562082_00251_39383_5365.N1	11-SEP-2009 10:26:42	Twi_and_stray	55.500	170	27Eps Gem	3.0000	9700.0	111	39383	No
82	GOM_NL__2PRFIN20090911_103013_000000572082_00251_39383_5366.N1	11-SEP-2009 10:30:13	Twi_and_stray	57.000	44	24Gam Gem	1.9280	11000.	114	39383	No
83	GOM_NL__2PRFIN20090911_103200_000000582082_00251_39383_5367.N1	11-SEP-2009 10:32:00	Twilight	57.500	8	10Alp CMi	0.40000	6500.0	115	39383	No
84	GOM_NL__2PRFIN20090911_104035_000000662082_00251_39383_5368.N1	11-SEP-2009 10:40:35	Dark	66.000	1	9Alp CMa	-1.4400	11000.	132	39383	No
85	GOM_NL__2PRFIN20090911_104216_000000532082_00251_39383_5369.N1	11-SEP-2009 10:42:16	Dark	53.000	47	2Bet CMa	1.9760	28000.	106	39383	No
86	GOM_NL__2PRFIN20090911_104513_000000482082_00251_39383_5370.N1	11-SEP-2009 10:45:13	Dark	47.500	177	1Zet CMa	3.0220	26000.	95	39383	No
87	GOM_NL__2PRFIN20090911_104833_000000482082_00251_39383_5371.N1	11-SEP-2009 10:48:33	Dark	48.000	108	Alp Col	2.6520	15200.	96	39383	No
88	GOM_NL__2PRFIN20090911_110045_000000552082_00252_39384_5378.N1	11-SEP-2009 11:00:45	Dark	55.000	157	The1Eri	2.9060	9300.0	110	39384	No
89	GOM_NL__2PRFIN20090911_110705_000000442082_00252_39384_5379.N1	11-SEP-2009 11:07:05	Straylight	43.500	84	Alp Phe	2.3970	4500.0	87	39384	No
90	GOM_NL__2PRFIN20090911_111503_000000382082_00252_39384_5380.N1	11-SEP-2009 11:15:03	Twi_and_stray	37.500	52	16Bet Cet	2.0370	4500.0	75	39384	No
91	GOM_NL__2PRFIN20090911_112618_000000402082_00252_39384_5381.N1	11-SEP-2009 11:26:18	Bright	40.000	90	54Alp Peg	2.4870	11000.	80	39384	No
92	GOM_NL__2PRFIN20090911_113032_000000572082_00252_39384_5382.N1	11-SEP-2009 11:30:32	Bright	57.000	164	44Eta Peg	2.9480	5400.0	114	39384	No
93	GOM_NL__2PRFIN20090911_113251_000000322082_00252_39384_5383.N1	11-SEP-2009 11:32:51	Twi_and_stray	32.000	58	21Alp And	2.0730	11000.	64	39384	No
94	GOM_NL__2PRFIN20090911_114043_000000412082_00252_39384_5384.N1	11-SEP-2009 11:40:43	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	39384	No
95	GOM_NL__2PRFIN20090911_114238_000000412082_00252_39384_5385.N1	11-SEP-2009 11:42:38	Bright	41.000	76	27Gam Cas	2.3000	30000.	82	39384	No
96	GOM_NL__2PRFIN20090911_115927_000000542082_00252_39384_5386.N1	11-SEP-2009 11:59:27	Bright	54.000	42	34Bet Aur	1.9000	10200.	108	39384	No
97	GOM_NL__2PRFIN20090911_120418_000000602082_00252_39384_5387.N1	11-SEP-2009 12:04:18	Bright	60.000	24	66Alp Gem	1.5800	10200.	120	39384	No
98	GOM_NL__2PRFIN20090911_120718_000000592082_00252_39384_5388.N1	11-SEP-2009 12:07:18	Twi_and_stray	59.000	170	27Eps Gem	3.0000	9700.0	118	39384	No
99	GOM_NL__2PRFIN20090911_121050_000000642082_00252_39384_5389.N1	11-SEP-2009 12:10:50	Twi_and_stray	63.500	44	24Gam Gem	1.9280	11000.	127	39384	No
100	GOM_NL__2PRFIN20090911_121237_000000582082_00252_39384_5390.N1	11-SEP-2009 12:12:37	Twilight	58.000	8	10Alp CMi	0.40000	6500.0	116	39384	No
101	GOM_NL__2PRFIN20090911_122112_000000572082_00252_39384_5391.N1	11-SEP-2009 12:21:12	Dark	56.500	1	9Alp CMa	-1.4400	11000.	113	39384	No

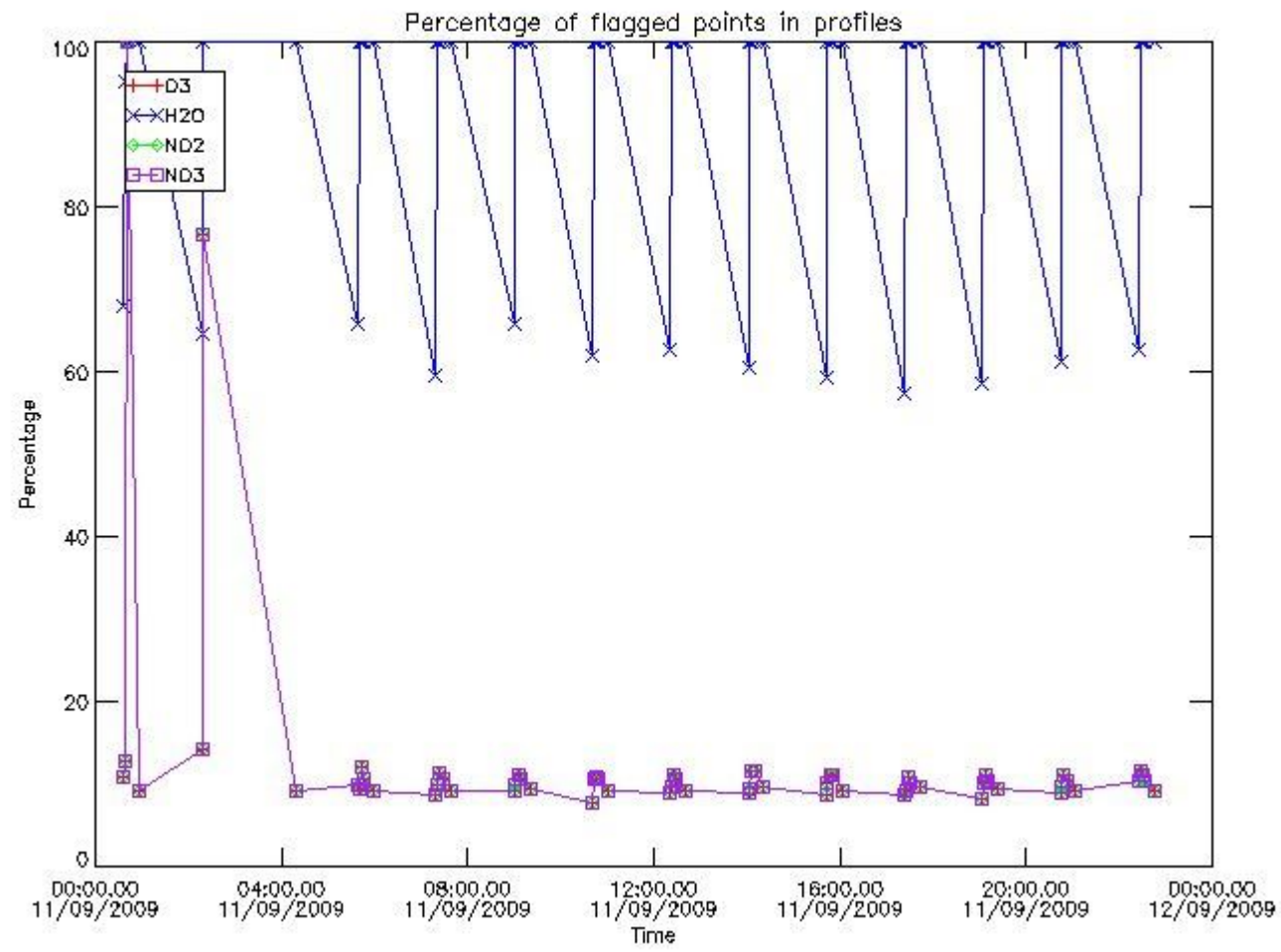
102	GOM_NL__2PRFIN20090911_122253_000000542082_00252_39384_5392.N1	11-SEP-2009 12:22:53	Dark	53.500	47	2Bet CMa	1.9760	28000.	107	39384	No
103	GOM_NL__2PRFIN20090911_122550_000000462082_00252_39384_5393.N1	11-SEP-2009 12:25:50	Dark	46.000	177	1Zet CMa	3.0220	26000.	92	39384	No
104	GOM_NL__2PRFIN20090911_122910_000000482082_00252_39384_5394.N1	11-SEP-2009 12:29:10	Dark	48.000	108	Alp Col	2.6520	15200.	96	39384	No
105	GOM_NL__2PRFIN20090911_124122_000000552082_00253_39385_5398.N1	11-SEP-2009 12:41:22	Dark	55.000	157	The1Eri	2.9060	9300.0	110	39385	No
106	GOM_NL__2PRFIN20090911_124741_000000452082_00253_39385_5399.N1	11-SEP-2009 12:47:41	Straylight	44.500	84	Alp Phe	2.3970	4500.0	89	39385	No
107	GOM_NL__2PRFIN20090911_125539_000000382082_00253_39385_5400.N1	11-SEP-2009 12:55:39	Twi_and_stray	38.000	52	16Bet Cet	2.0370	4500.0	76	39385	No
108	GOM_NL__2PRFIN20090911_130654_000000412082_00253_39385_5401.N1	11-SEP-2009 13:06:54	Bright	41.000	90	54Alp Peg	2.4870	11000.	82	39385	No
109	GOM_NL__2PRFIN20090911_131108_000000392082_00253_39385_5402.N1	11-SEP-2009 13:11:08	Bright	39.000	164	44Eta Peg	2.9480	5400.0	78	39385	No
110	GOM_NL__2PRFIN20090911_131326_000000322082_00253_39385_5403.N1	11-SEP-2009 13:13:26	Twi_and_stray	32.000	58	21Alp And	2.0730	11000.	64	39385	No
111	GOM_NL__2PRFIN20090911_132118_000000432082_00253_39385_5404.N1	11-SEP-2009 13:21:18	Bright	43.000	74	11Bet Cas	2.2680	6600.0	86	39385	No
112	GOM_NL__2PRFIN20090911_132313_000000452082_00253_39385_5405.N1	11-SEP-2009 13:23:13	Bright	44.500	76	27Gam Cas	2.3000	30000.	89	39385	No
113	GOM_NL__2PRFIN20090911_134003_000000542082_00253_39385_5406.N1	11-SEP-2009 13:40:03	Bright	54.000	42	34Bet Aur	1.9000	10200.	108	39385	No
114	GOM_NL__2PRFIN20090911_134454_000000432082_00253_39385_5407.N1	11-SEP-2009 13:44:54	Bright	42.500	24	66Alp Gem	1.5800	10200.	85	39385	No
115	GOM_NL__2PRFIN20090911_134754_000000612082_00253_39385_5408.N1	11-SEP-2009 13:47:54	Twi_and_stray	60.500	170	27Eps Gem	3.0000	9700.0	121	39385	No
116	GOM_NL__2PRFIN20090911_135126_000000602082_00253_39385_5409.N1	11-SEP-2009 13:51:26	Twi_and_stray	59.500	44	24Gam Gem	1.9280	11000.	119	39385	No
117	GOM_NL__2PRFIN20090911_135313_000000512082_00253_39385_5410.N1	11-SEP-2009 13:53:13	Twilight	50.500	8	10Alp CMI	0.40000	6500.0	101	39385	No
118	GOM_NL__2PRFIN20090911_140149_000000582082_00253_39385_5411.N1	11-SEP-2009 14:01:49	Dark	57.500	1	9Alp CMa	-1.4400	11000.	115	39385	No
119	GOM_NL__2PRFIN20090911_140330_000000552082_00253_39385_5412.N1	11-SEP-2009 14:03:30	Dark	54.500	47	2Bet CMa	1.9760	28000.	109	39385	No
120	GOM_NL__2PRFIN20090911_140627_000000452082_00253_39385_5413.N1	11-SEP-2009 14:06:27	Dark	44.500	177	1Zet CMa	3.0220	26000.	89	39385	No
121	GOM_NL__2PRFIN20090911_140948_000000492082_00253_39385_5414.N1	11-SEP-2009 14:09:48	Dark	48.500	108	Alp Col	2.6520	15200.	97	39385	No
122	GOM_NL__2PRFIN20090911_142159_000000532082_00254_39386_5427.N1	11-SEP-2009 14:21:59	Dark	52.500	157	The1Eri	2.9060	9300.0	105	39386	No
123	GOM_NL__2PRFIN20090911_142817_000000422082_00254_39386_5428.N1	11-SEP-2009 14:28:17	Straylight	41.500	84	Alp Phe	2.3970	4500.0	83	39386	No
124	GOM_NL__2PRFIN20090911_143615_000000432082_00254_39386_5429.N1	11-SEP-2009 14:36:15	Twi_and_stray	43.000	52	16Bet Cet	2.0370	4500.0	86	39386	No
125	GOM_NL__2PRFIN20090911_144729_000000602082_00254_39386_5430.N1	11-SEP-2009 14:47:29	Bright	60.000	90	54Alp Peg	2.4870	11000.	120	39386	No
126	GOM_NL__2PRFIN20090911_145143_000000572082_00254_39386_5431.N1	11-SEP-2009 14:51:43	Bright	57.000	164	44Eta Peg	2.9480	5400.0	114	39386	No
127	GOM_NL__2PRFIN20090911_145401_000000382082_00254_39386_5432.N1	11-SEP-2009 14:54:01	Bright	38.000	58	21Alp And	2.0730	11000.	76	39386	No
128	GOM_NL__2PRFIN20090911_150154_000000422082_00254_39386_5433.N1	11-SEP-2009 15:01:54	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	39386	No
129	GOM_NL__2PRFIN20090911_150349_000000442082_00254_39386_5434.N1	11-SEP-2009 15:03:49	Bright	43.500	76	27Gam Cas	2.3000	30000.	87	39386	No
130	GOM_NL__2PRFIN20090911_152039_000000532082_00254_39386_5435.N1	11-SEP-2009 15:20:39	Bright	53.000	42	34Bet Aur	1.9000	10200.	106	39386	No
131	GOM_NL__2PRFIN20090911_152530_000000432082_00254_39386_5436.N1	11-SEP-2009 15:25:30	Bright	42.500	24	66Alp Gem	1.5800	10200.	85	39386	No
132	GOM_NL__2PRFIN20090911_152831_000000562082_00254_39386_5437.N1	11-SEP-2009 15:28:31	Twi_and_stray	56.000	170	27Eps Gem	3.0000	9700.0	112	39386	No
133	GOM_NL__2PRFIN20090911_153203_000000592082_00254_39386_5438.N1	11-SEP-2009 15:32:03	Twi_and_stray	59.000	44	24Gam Gem	1.9280	11000.	118	39386	No
134	GOM_NL__2PRFIN20090911_153349_000000522082_00254_39386_5439.N1	11-SEP-2009 15:33:49	Twilight	51.500	8	10Alp CMI	0.40000	6500.0	103	39386	No
135	GOM_NL__2PRFIN20090911_154226_000000602082_00254_39386_5440.N1	11-SEP-2009 15:42:26	Dark	59.500	1	9Alp CMa	-1.4400	11000.	119	39386	No
136	GOM_NL__2PRFIN20090911_154408_000000512082_00254_39386_5441.N1	11-SEP-2009 15:44:08	Dark	50.500	47	2Bet CMa	1.9760	28000.	101	39386	No
137	GOM_NL__2PRFIN20090911_154704_000000462082_00254_39386_5442.N1	11-SEP-2009 15:47:04	Dark	46.000	177	1Zet CMa	3.0220	26000.	92	39386	No
138	GOM_NL__2PRFIN20090911_155024_000000502082_00254_39386_5443.N1	11-SEP-2009 15:50:24	Dark	50.000	108	Alp Col	2.6520	15200.	100	39386	No
139	GOM_NL__2PRFIN20090911_160236_000000552082_00255_39387_5436.N1	11-SEP-2009 16:02:36	Dark	55.000	157	The1Eri	2.9060	9300.0	110	39387	No
140	GOM_NL__2PRFIN20090911_160854_000000442082_00255_39387_5437.N1	11-SEP-2009 16:08:54	Straylight	43.500	84	Alp Phe	2.3970	4500.0	87	39387	No
141	GOM_NL__2PRFIN20090911_161651_000000432082_00255_39387_5438.N1	11-SEP-2009 16:16:51	Twi_and_stray	43.000	52	16Bet Cet	2.0370	4500.0	86	39387	No
142	GOM_NL__2PRFIN20090911_162805_000000412082_00255_39387_5439.N1	11-SEP-2009 16:28:05	Bright	40.500	90	54Alp Peg	2.4870	11000.	81	39387	No
143	GOM_NL__2PRFIN20090911_163219_000000472082_00255_39387_5440.N1	11-SEP-2009 16:32:19	Bright	46.500	164	44Eta Peg	2.9480	5400.0	93	39387	No
144	GOM_NL__2PRFIN20090911_163437_000000382082_00255_39387_5441.N1	11-SEP-2009 16:34:37	Bright	38.000	58	21Alp And	2.0730	11000.	76	39387	No
145	GOM_NL__2PRFIN20090911_164230_000000432082_00255_39387_5442.N1	11-SEP-2009 16:42:30	Bright	43.000	74	11Bet Cas	2.2680	6600.0	86	39387	No
146	GOM_NL__2PRFIN20090911_164424_000000422082_00255_39387_5443.N1	11-SEP-2009 16:44:24	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	39387	No
147	GOM_NL__2PRFIN20090911_170114_000000542082_00255_39387_5444.N1	11-SEP-2009 17:01:14	Bright	54.000	42	34Bet Aur	1.9000	10200.	108	39387	No
148	GOM_NL__2PRFIN20090911_170606_000000422082_00255_39387_5445.N1	11-SEP-2009 17:06:06	Bright	42.000	24	66Alp Gem	1.5800	10200.	84	39387	No
149	GOM_NL__2PRFIN20090911_170907_000000592082_00255_39387_5446.N1	11-SEP-2009 17:09:07	Twi_and_stray	58.500	170	27Eps Gem	3.0000	9700.0	117	39387	No
150	GOM_NL__2PRFIN20090911_171239_000000622082_00255_39387_5447.N1	11-SEP-2009 17:12:39	Twi_and_stray	62.000	44	24Gam Gem	1.9280	11000.	124	39387	No
151	GOM_NL__2PRFIN20090911_171426_000000492082_00255_39387_5448.N1	11-SEP-2009 17:14:26	Twilight	48.500	8	10Alp CMI	0.40000	6500.0	97	39387	No
152	GOM_NL__2PRFIN20090911_172303_000000582082_00255_39387_5449.N1	11-SEP-2009 17:23:03	Dark	58.000	1	9Alp CMa	-1.4400	11000.	116	39387	No
153	GOM_NL__2PRFIN20090911_172444_000000562082_00255_39387_5450.N1	11-SEP-2009 17:24:44	Dark	55.500	47	2Bet CMa	1.9760	28000.	111	39387	No
154	GOM_NL__2PRFIN20090911_172741_000000482082_00255_39387_5451.N1	11-SEP-2009 17:27:41	Dark	47.500	177	1Zet CMa	3.0220	26000.	95	39387	No
155	GOM_NL__2PRFIN20090911_173101_000000502082_00255_39387_5452.N1	11-SEP-2009 17:31:01	Dark	50.000	108	Alp Col	2.6520	15200.	100	39387	No
156	GOM_NL__2PRFIN20090911_174313_000000532082_00256_39388_5463.N1	11-SEP-2009 17:43:13	Dark	53.000	157	The1Eri	2.9060	9300.0	106	39388	No
157	GOM_NL__2PRFIN20090911_174931_000000482082_00256_39388_5464.N1	11-SEP-2009 17:49:31	Straylight	48.000	84	Alp Phe	2.3970	4500.0	96	39388	No
158	GOM_NL__2PRFIN20090911_175727_000000482082_00256_39388_5465.N1	11-SEP-2009 17:57:27	Twi_and_stray	48.000	52	16Bet Cet	2.0370	4500.0	96	39388	No
159	GOM_NL__2PRFIN20090911_180841_000000422082_00256_39388_5466.N1	11-SEP-2009 18:08:41	Bright	42.000	90	54Alp Peg	2.4870	11000.	84	39388	No
160	GOM_NL__2PRFIN20090911_181255_000000382082_00256_39388_5467.N1	11-SEP-2009 18:12:55	Bright	38.000	164	44Eta Peg	2.9480	5400.0	76	39388	No

161	GOM_NL__2PRFIN20090911_181511_000000442082_00256_39388_5468.N1	11-SEP-2009 18:15:11	Bright	44.000	58	21Alp And	2.0730	11000.	88	39388	No
162	GOM_NL__2PRFIN20090911_182305_000000552082_00256_39388_5469.N1	11-SEP-2009 18:23:05	Bright	55.000	74	11Bet Cas	2.2680	6600.0	110	39388	No
163	GOM_NL__2PRFIN20090911_182459_000000452082_00256_39388_5470.N1	11-SEP-2009 18:24:59	Bright	45.000	76	27Gam Cas	2.3000	30000.	90	39388	No
164	GOM_NL__2PRFIN20090911_184150_000000542082_00256_39388_5471.N1	11-SEP-2009 18:41:50	Bright	53.500	42	34Bet Aur	1.9000	10200.	107	39388	No
165	GOM_NL__2PRFIN20090911_184642_000000402082_00256_39388_5472.N1	11-SEP-2009 18:46:42	Bright	40.000	24	66Alp Gem	1.5800	10200.	80	39388	No
166	GOM_NL__2PRFIN20090911_184943_000000582082_00256_39388_5473.N1	11-SEP-2009 18:49:43	Twi_and_stray	57.500	170	27Eps Gem	3.0000	9700.0	115	39388	No
167	GOM_NL__2PRFIN20090911_185316_000000602082_00256_39388_5474.N1	11-SEP-2009 18:53:16	Twi_and_stray	59.500	44	24Gam Gem	1.9280	11000.	119	39388	No
168	GOM_NL__2PRFIN20090911_185502_000000502082_00256_39388_5475.N1	11-SEP-2009 18:55:02	Twilight	49.500	8	10Alp CMI	0.40000	6500.0	99	39388	No
169	GOM_NL__2PRFIN20090911_190340_000000622082_00256_39388_5476.N1	11-SEP-2009 19:03:40	Dark	62.000	1	9Alp CMA	-1.4400	11000.	124	39388	No
170	GOM_NL__2PRFIN20090911_190521_000000502082_00256_39388_5477.N1	11-SEP-2009 19:05:21	Dark	50.000	47	2Bet CMA	1.9760	28000.	100	39388	No
171	GOM_NL__2PRFIN20090911_190818_000000462082_00256_39388_5478.N1	11-SEP-2009 19:08:18	Dark	46.000	177	1Zet CMA	3.0220	26000.	92	39388	No
172	GOM_NL__2PRFIN20090911_191139_000000492082_00256_39388_5479.N1	11-SEP-2009 19:11:39	Dark	49.000	108	Alp Col	2.6520	15200.	98	39388	No
173	GOM_NL__2PRFIN20090911_192350_000000542082_00257_39389_5479.N1	11-SEP-2009 19:23:50	Dark	54.000	157	The1Eri	2.9060	9300.0	108	39389	No
174	GOM_NL__2PRFIN20090911_193007_000000462082_00257_39389_5480.N1	11-SEP-2009 19:30:07	Straylight	46.000	84	Alp Phe	2.3970	4500.0	92	39389	No
175	GOM_NL__2PRFIN20090911_193803_000000482082_00257_39389_5481.N1	11-SEP-2009 19:38:03	Twi_and_stray	48.000	52	16Bet Cet	2.0370	4500.0	96	39389	No
176	GOM_NL__2PRFIN20090911_194917_000000412082_00257_39389_5482.N1	11-SEP-2009 19:49:17	Bright	41.000	90	54Alp Peg	2.4870	11000.	82	39389	No
177	GOM_NL__2PRFIN20090911_195331_000000432082_00257_39389_5483.N1	11-SEP-2009 19:53:31	Bright	42.500	164	44Eta Peg	2.9480	5400.0	85	39389	No
178	GOM_NL__2PRFIN20090911_195547_000000442082_00257_39389_5484.N1	11-SEP-2009 19:55:47	Bright	44.000	58	21Alp And	2.0730	11000.	88	39389	No
179	GOM_NL__2PRFIN20090911_200340_000000412082_00257_39389_5485.N1	11-SEP-2009 20:03:40	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	39389	No
180	GOM_NL__2PRFIN20090911_200534_000000452082_00257_39389_5486.N1	11-SEP-2009 20:05:34	Bright	44.500	76	27Gam Cas	2.3000	30000.	89	39389	No
181	GOM_NL__2PRFIN20090911_202226_000000532082_00257_39389_5487.N1	11-SEP-2009 20:22:26	Bright	52.500	42	34Bet Aur	1.9000	10200.	105	39389	No
182	GOM_NL__2PRFIN20090911_202718_000000412082_00257_39389_5488.N1	11-SEP-2009 20:27:18	Bright	41.000	24	66Alp Gem	1.5800	10200.	82	39389	No
183	GOM_NL__2PRFIN20090911_203019_000000572082_00257_39389_5489.N1	11-SEP-2009 20:30:19	Twi_and_stray	57.000	170	27Eps Gem	3.0000	9700.0	114	39389	No
184	GOM_NL__2PRFIN20090911_203352_000000602082_00257_39389_5490.N1	11-SEP-2009 20:33:52	Twi_and_stray	59.500	44	24Gam Gem	1.9280	11000.	119	39389	No
185	GOM_NL__2PRFIN20090911_203539_000000572082_00257_39389_5491.N1	11-SEP-2009 20:35:39	Twilight	57.000	8	10Alp CMI	0.40000	6500.0	114	39389	No
186	GOM_NL__2PRFIN20090911_204417_000000572082_00257_39389_5492.N1	11-SEP-2009 20:44:17	Dark	57.000	1	9Alp CMA	-1.4400	11000.	114	39389	No
187	GOM_NL__2PRFIN20090911_204558_000000542082_00257_39389_5493.N1	11-SEP-2009 20:45:58	Dark	53.500	47	2Bet CMA	1.9760	28000.	107	39389	No
188	GOM_NL__2PRFIN20090911_204855_000000462082_00257_39389_5494.N1	11-SEP-2009 20:48:55	Dark	45.500	177	1Zet CMA	3.0220	26000.	91	39389	No
189	GOM_NL__2PRFIN20090911_205215_000000502082_00257_39389_5495.N1	11-SEP-2009 20:52:15	Dark	49.500	108	Alp Col	2.6520	15200.	99	39389	No
190	GOM_NL__2PRFIN20090911_210427_000000552082_00258_39390_5496.N1	11-SEP-2009 21:04:27	Dark	54.500	157	The1Eri	2.9060	9300.0	109	39390	No
191	GOM_NL__2PRFIN20090911_211043_000000472082_00258_39390_5497.N1	11-SEP-2009 21:10:43	Straylight	47.000	84	Alp Phe	2.3970	4500.0	94	39390	No
192	GOM_NL__2PRFIN20090911_211839_000000532082_00258_39390_5498.N1	11-SEP-2009 21:18:39	Twi_and_stray	53.000	52	16Bet Cet	2.0370	4500.0	106	39390	No
193	GOM_NL__2PRFIN20090911_212952_000000412082_00258_39390_5499.N1	11-SEP-2009 21:29:52	Bright	40.500	90	54Alp Peg	2.4870	11000.	81	39390	No
194	GOM_NL__2PRFIN20090911_213406_000000382082_00258_39390_5500.N1	11-SEP-2009 21:34:06	Bright	38.000	164	44Eta Peg	2.9480	5400.0	76	39390	No
195	GOM_NL__2PRFIN20090911_213622_000000502082_00258_39390_5501.N1	11-SEP-2009 21:36:22	Bright	49.500	58	21Alp And	2.0730	11000.	99	39390	No
196	GOM_NL__2PRFIN20090911_214416_000000422082_00258_39390_5502.N1	11-SEP-2009 21:44:16	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	39390	No
197	GOM_NL__2PRFIN20090911_214610_000000442082_00258_39390_5503.N1	11-SEP-2009 21:46:10	Bright	43.500	76	27Gam Cas	2.3000	30000.	87	39390	No
198	GOM_NL__2PRFIN20090911_220301_000000532082_00258_39390_5504.N1	11-SEP-2009 22:03:01	Bright	52.500	42	34Bet Aur	1.9000	10200.	105	39390	No
199	GOM_NL__2PRFIN20090911_220754_000000442082_00258_39390_5505.N1	11-SEP-2009 22:07:54	Bright	44.000	24	66Alp Gem	1.5800	10200.	88	39390	No
200	GOM_NL__2PRFIN20090911_221055_000000602082_00258_39390_5506.N1	11-SEP-2009 22:10:55	Twi_and_stray	59.500	170	27Eps Gem	3.0000	9700.0	119	39390	No
201	GOM_NL__2PRFIN20090911_221429_000000602082_00258_39390_5507.N1	11-SEP-2009 22:14:29	Twi_and_stray	59.500	44	24Gam Gem	1.9280	11000.	119	39390	No
202	GOM_NL__2PRFIN20090911_221615_000000472082_00258_39390_5508.N1	11-SEP-2009 22:16:15	Twilight	46.500	8	10Alp CMI	0.40000	6500.0	93	39390	No
203	GOM_NL__2PRFIN20090911_222453_000000542082_00258_39390_5509.N1	11-SEP-2009 22:24:53	Dark	54.000	1	9Alp CMA	-1.4400	11000.	108	39390	No
204	GOM_NL__2PRFIN20090911_222718_000000442082_00258_39390_5510.N1	11-SEP-2009 22:27:18	Dark	44.000	23	21Eps CMA	1.5020	26000.	88	39390	No
205	GOM_NL__2PRFIN20090911_222931_000000462082_00258_39390_5511.N1	11-SEP-2009 22:29:31	Dark	45.500	177	1Zet CMA	3.0220	26000.	91	39390	No
206	GOM_NL__2PRFIN20090911_223253_000000492082_00258_39390_5512.N1	11-SEP-2009 22:32:53	Dark	49.000	108	Alp Col	2.6520	15200.	98	39390	No
207	GOM_NL__2PRFIN20090911_224504_000000562082_00259_39391_5516.N1	11-SEP-2009 22:45:04	Dark	55.500	157	The1Eri	2.9060	9300.0	111	39391	No
208	GOM_NL__2PRFIN20090911_225119_000000462082_00259_39391_5517.N1	11-SEP-2009 22:51:19	Straylight	46.000	84	Alp Phe	2.3970	4500.0	92	39391	No
209	GOM_NL__2PRFIN20090911_225915_000000532082_00259_39391_5518.N1	11-SEP-2009 22:59:15	Twi_and_stray	53.000	52	16Bet Cet	2.0370	4500.0	106	39391	No
210	GOM_NL__2PRFIN20090911_231028_000000402082_00259_39391_5519.N1	11-SEP-2009 23:10:28	Bright	40.000	90	54Alp Peg	2.4870	11000.	80	39391	No
211	GOM_NL__2PRFIN20090911_231442_000000572082_00259_39391_5520.N1	11-SEP-2009 23:14:42	Bright	57.000	164	44Eta Peg	2.9480	5400.0	114	39391	No
212	GOM_NL__2PRFIN20090911_231657_000000502082_00259_39391_5521.N1	11-SEP-2009 23:16:57	Bright	50.000	58	21Alp And	2.0730	11000.	100	39391	No
213	GOM_NL__2PRFIN20090911_232451_000000422082_00259_39391_5522.N1	11-SEP-2009 23:24:51	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	39391	No
214	GOM_NL__2PRFIN20090911_232645_000000412082_00259_39391_5523.N1	11-SEP-2009 23:26:45	Bright	41.000	76	27Gam Cas	2.3000	30000.	82	39391	No
215	GOM_NL__2PRFIN20090911_234337_000000512082_00259_39391_5524.N1	11-SEP-2009 23:43:37	Bright	50.500	42	34Bet Aur	1.9000	10200.	101	39391	No
216	GOM_NL__2PRFIN20090911_234830_000000602082_00259_39391_5525.N1	11-SEP-2009 23:48:30	Bright	60.000	24	66Alp Gem	1.5800	10200.	120	39391	No
217	GOM_NL__2PRFIN20090911_235132_000000572082_00259_39391_5526.N1	11-SEP-2009 23:51:32	Twi_and_stray	57.000	170	27Eps Gem	3.0000	9700.0	114	39391	No
218	GOM_NL__2PRFIN20090911_235505_000000582082_00259_39391_5527.N1	11-SEP-2009 23:55:05	Twi_and_stray	58.000	44	24Gam Gem	1.9280	11000.	116	39391	No
219	GOM_NL__2PRFIN20090911_235651_000000552082_00259_39391_5528.N1	11-SEP-2009 23:56:51	Twilight	54.500	8	10Alp CMI	0.40000	6500.0	109	39391	No

3. Quality information per product

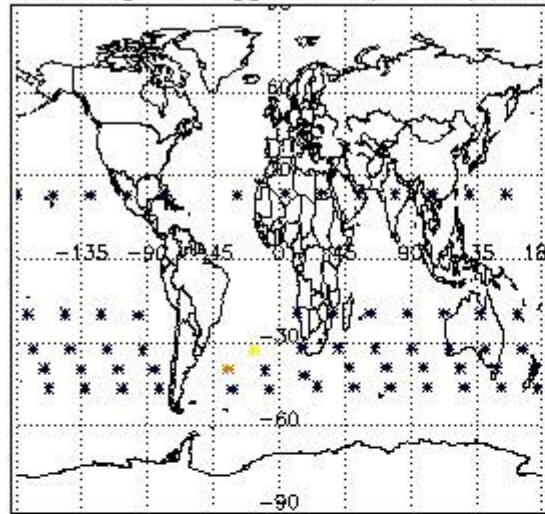
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

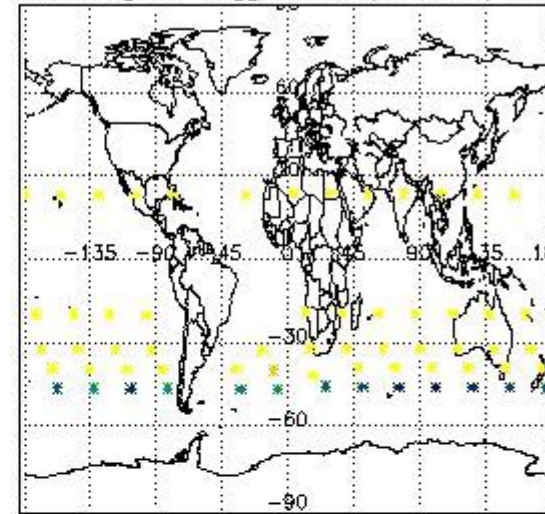


3.2 Plot quality information per product (world map)

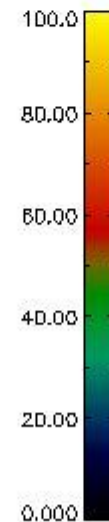
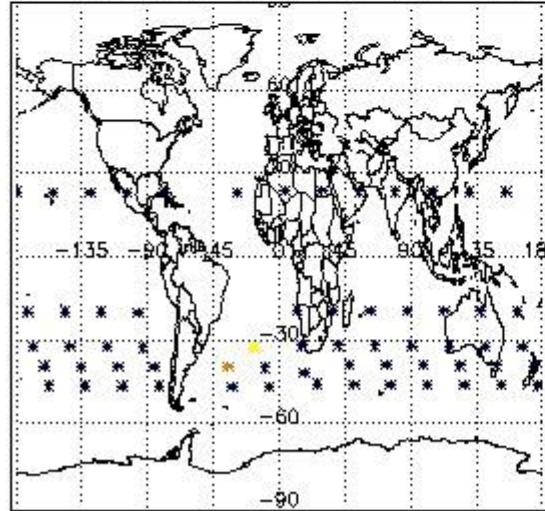
Percentage of flagged data per O3 profile



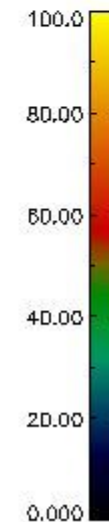
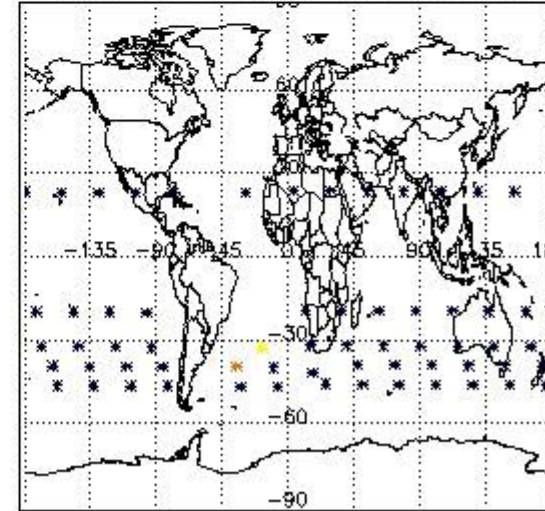
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

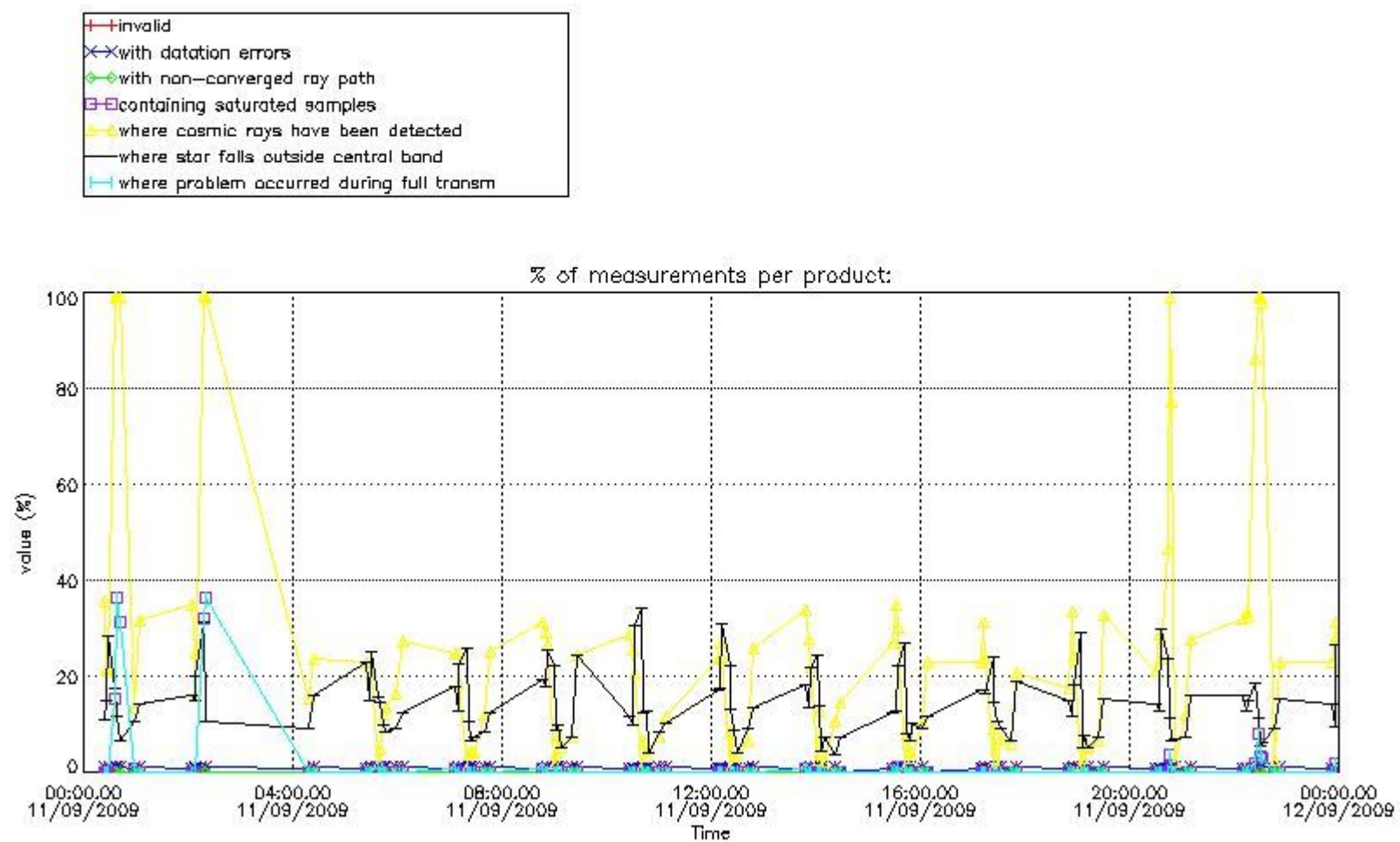


4. Level 1 quality information per product

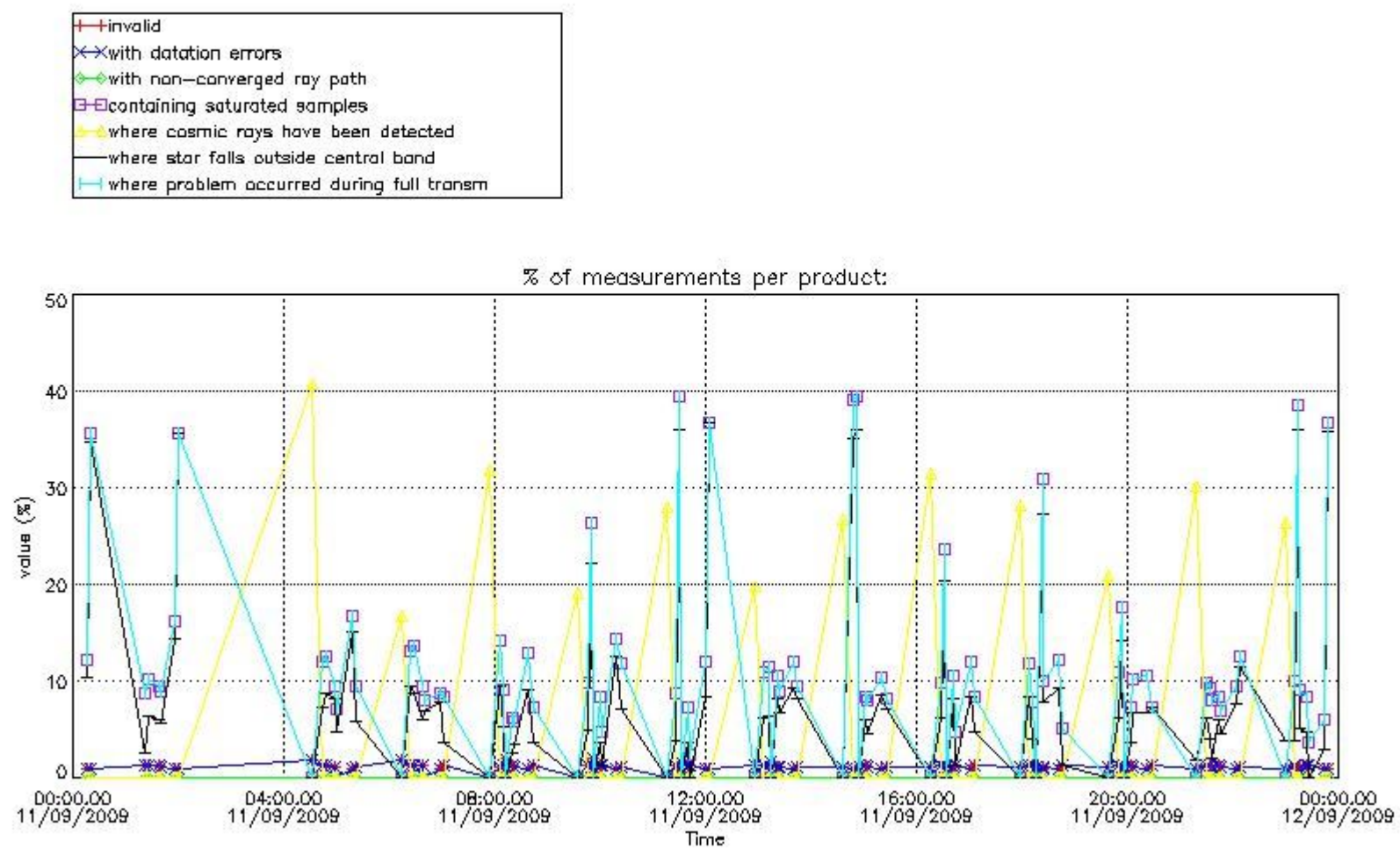
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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

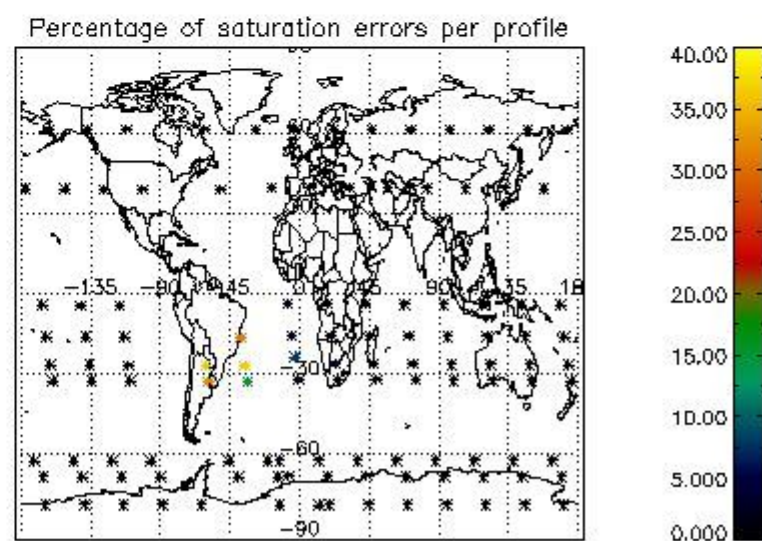
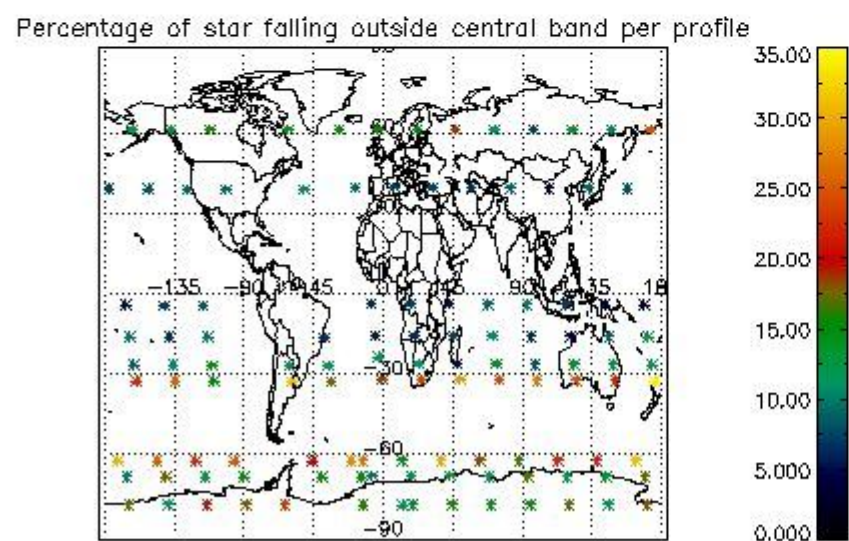
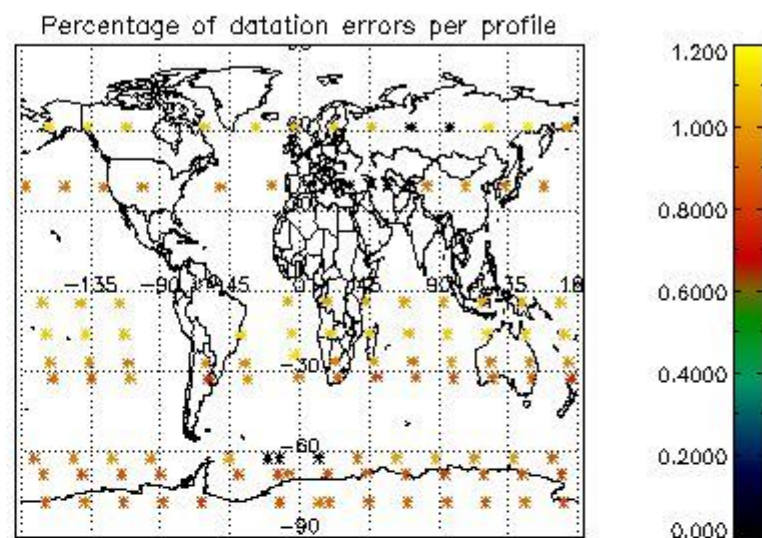
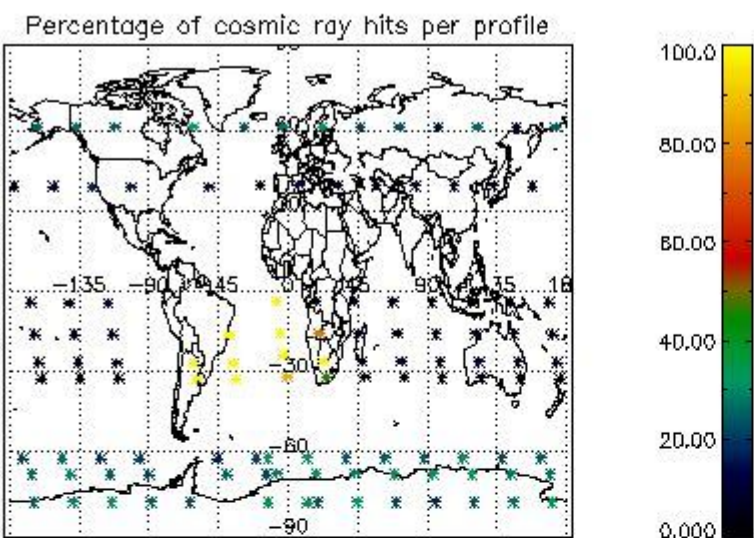


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

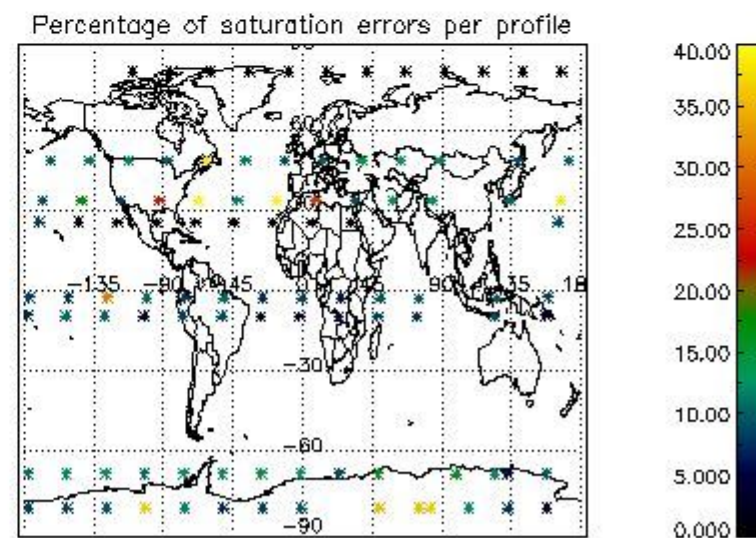
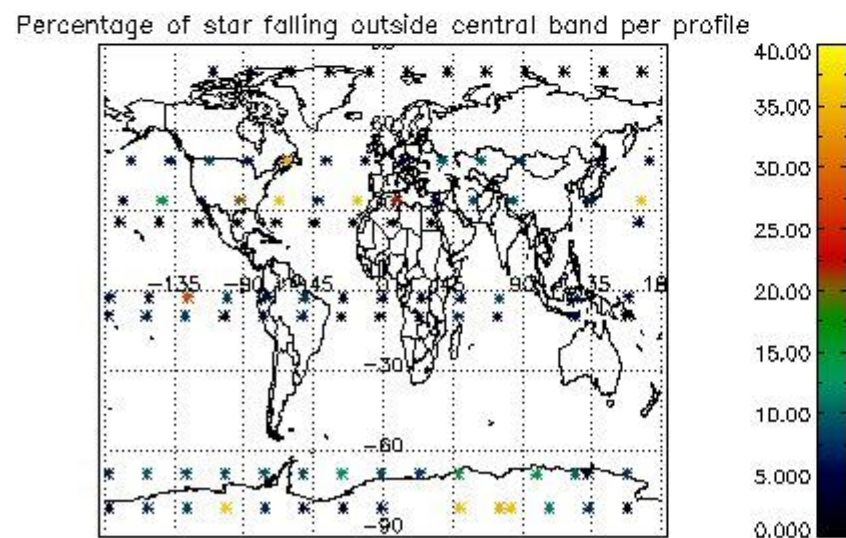
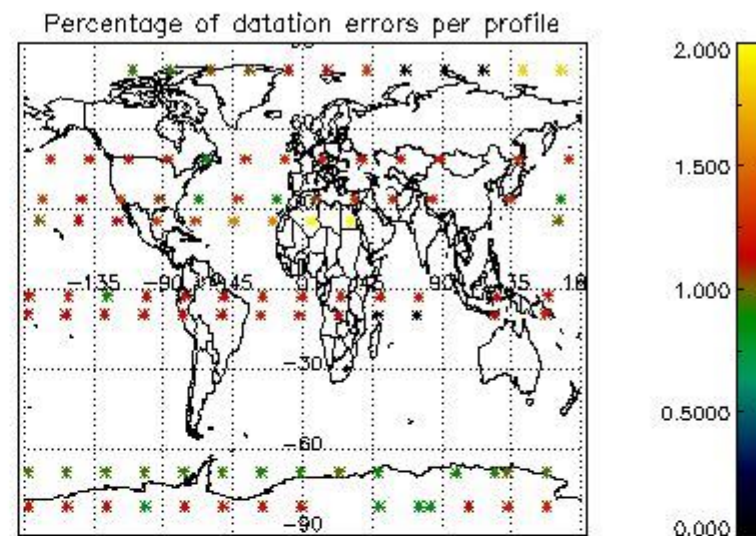
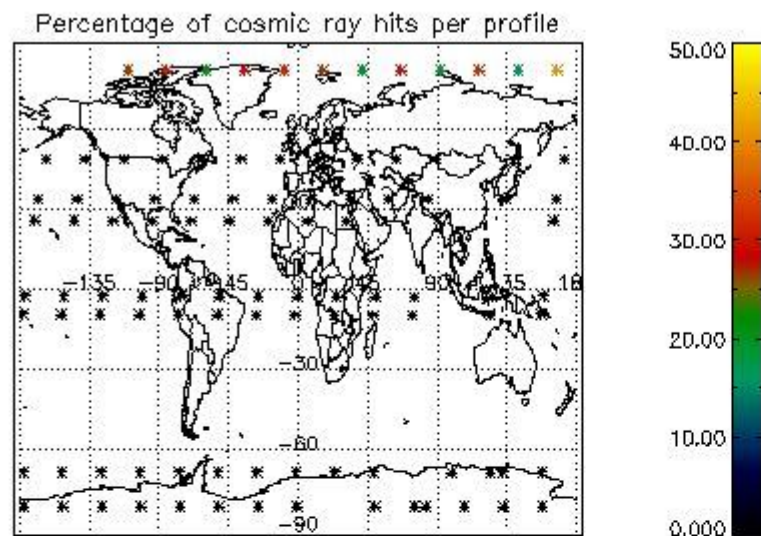


4.2 Plot quality information per product coming from level 1b processing (world map)

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



4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/o3_std of the level 2 products. The table below shows the statistics for given STD ranges.

The statistics are given with respect to the overall valid production:

- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

The 'Criteria' is applied to valid points of dark limb products:

- Products in dark limb illumination condition: GOM_NL__2P/NL_SUMMARY_QUALITY/obs_ill_cond=0
- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

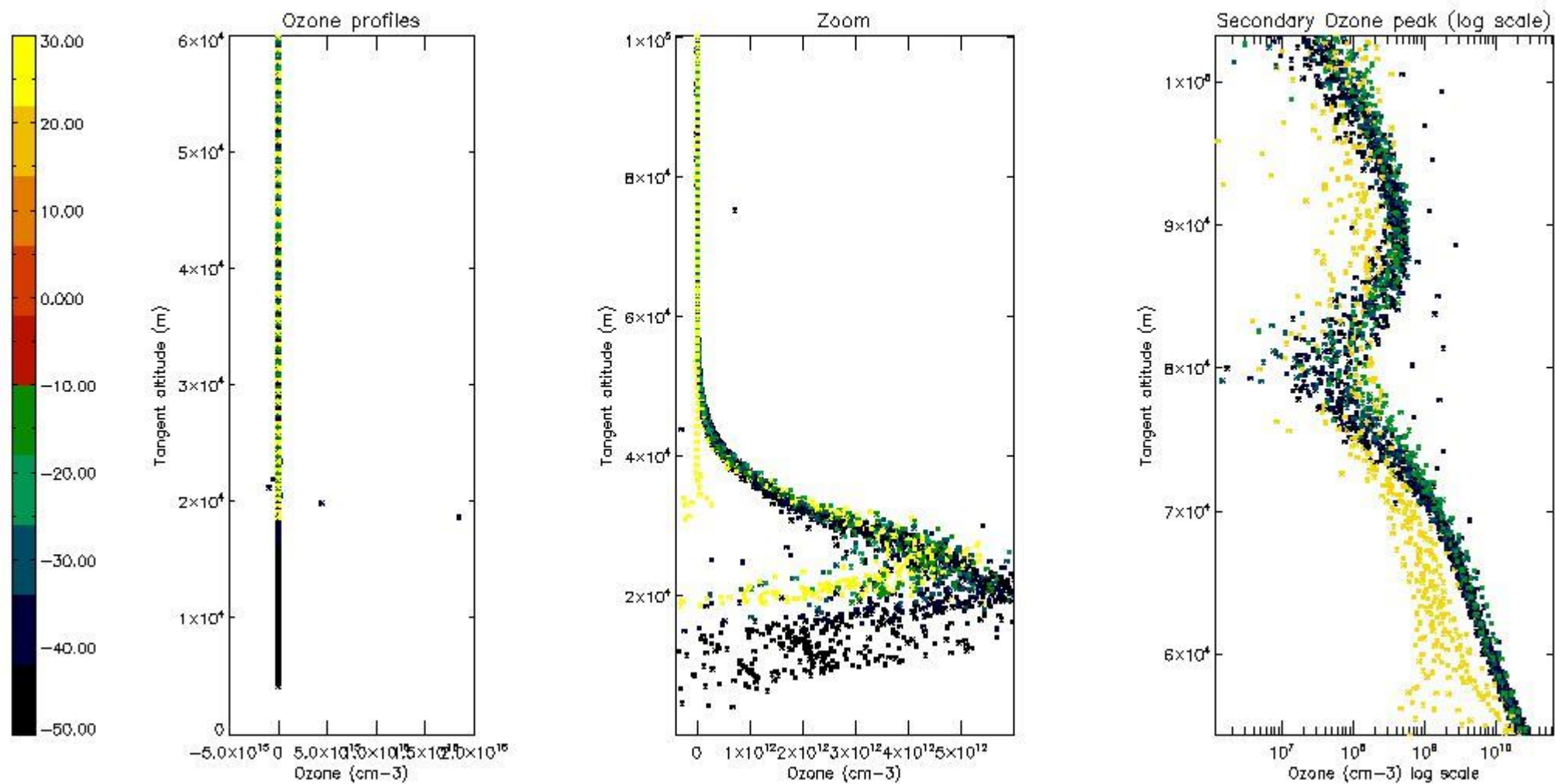
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	30
STD < 20	18

STD < 10	16
STD < 5	11

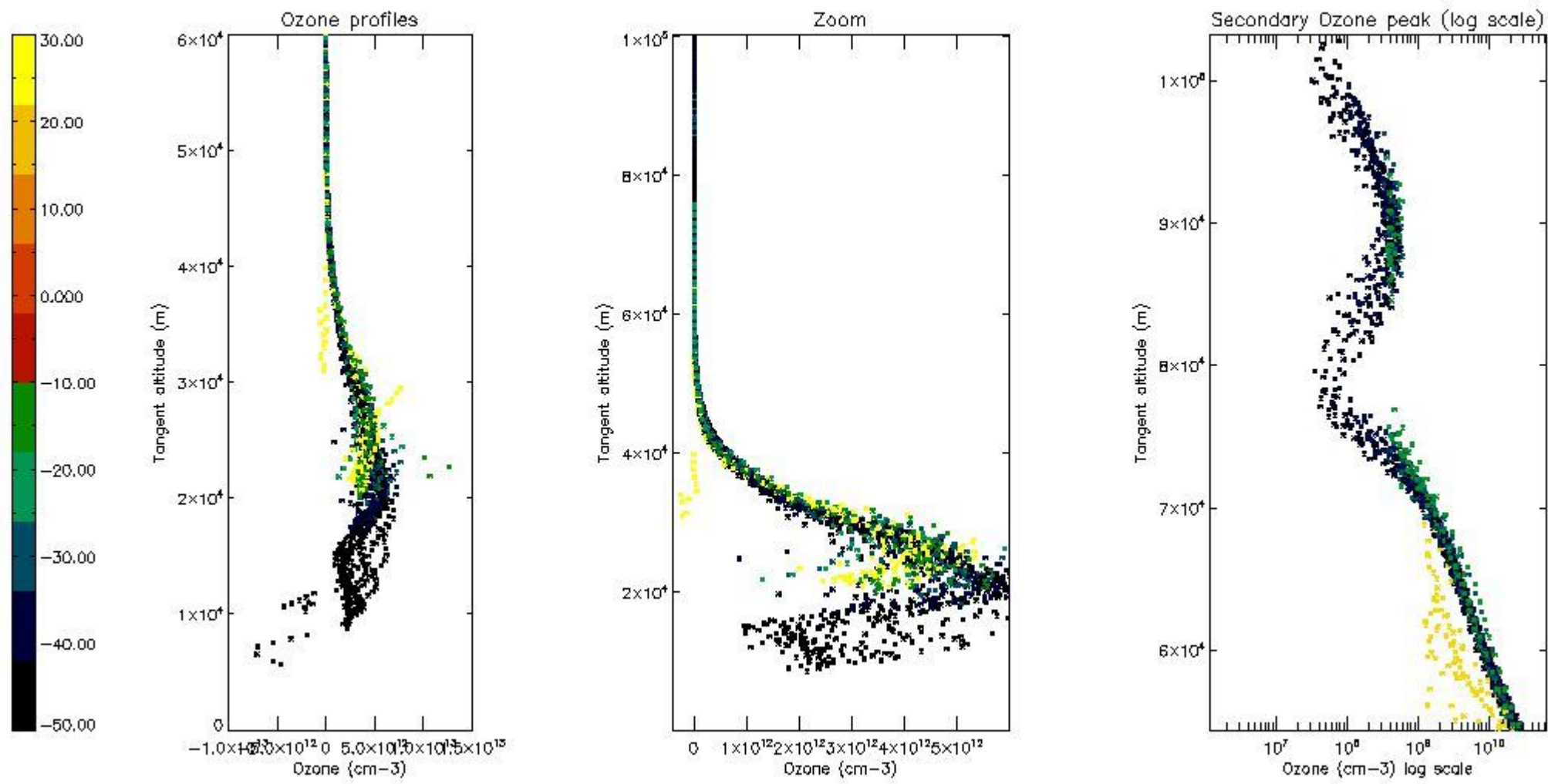
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



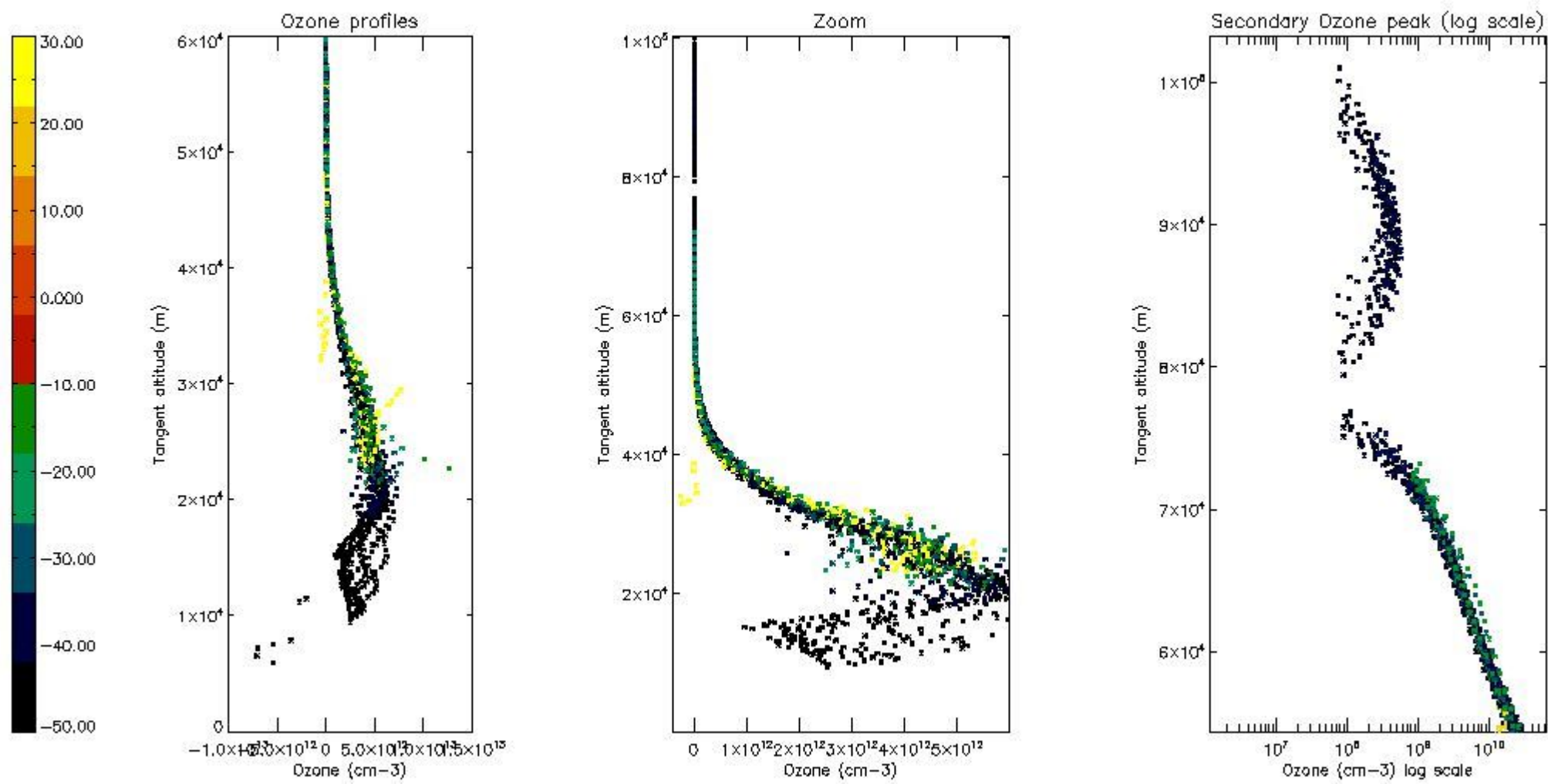
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



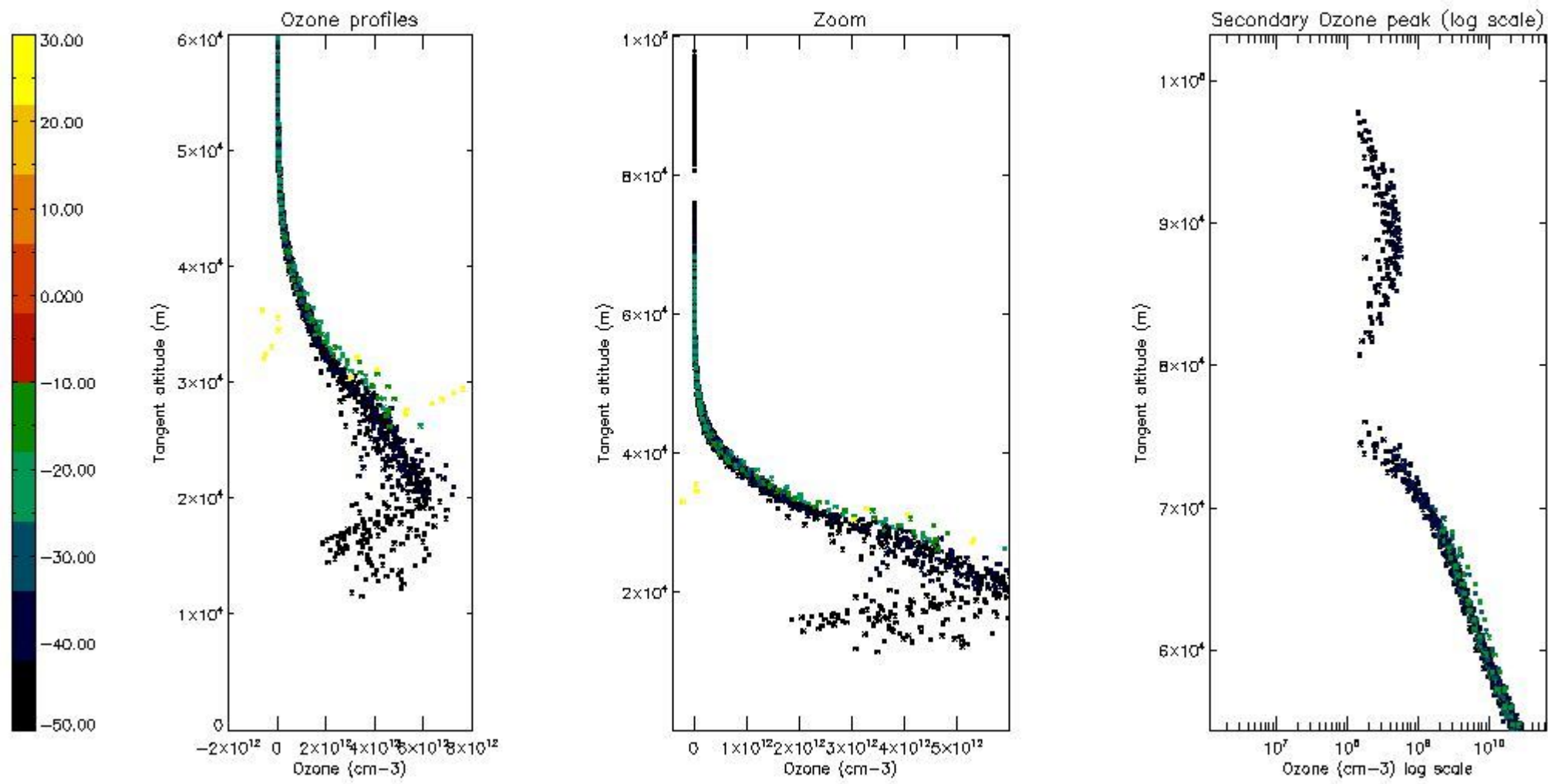
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



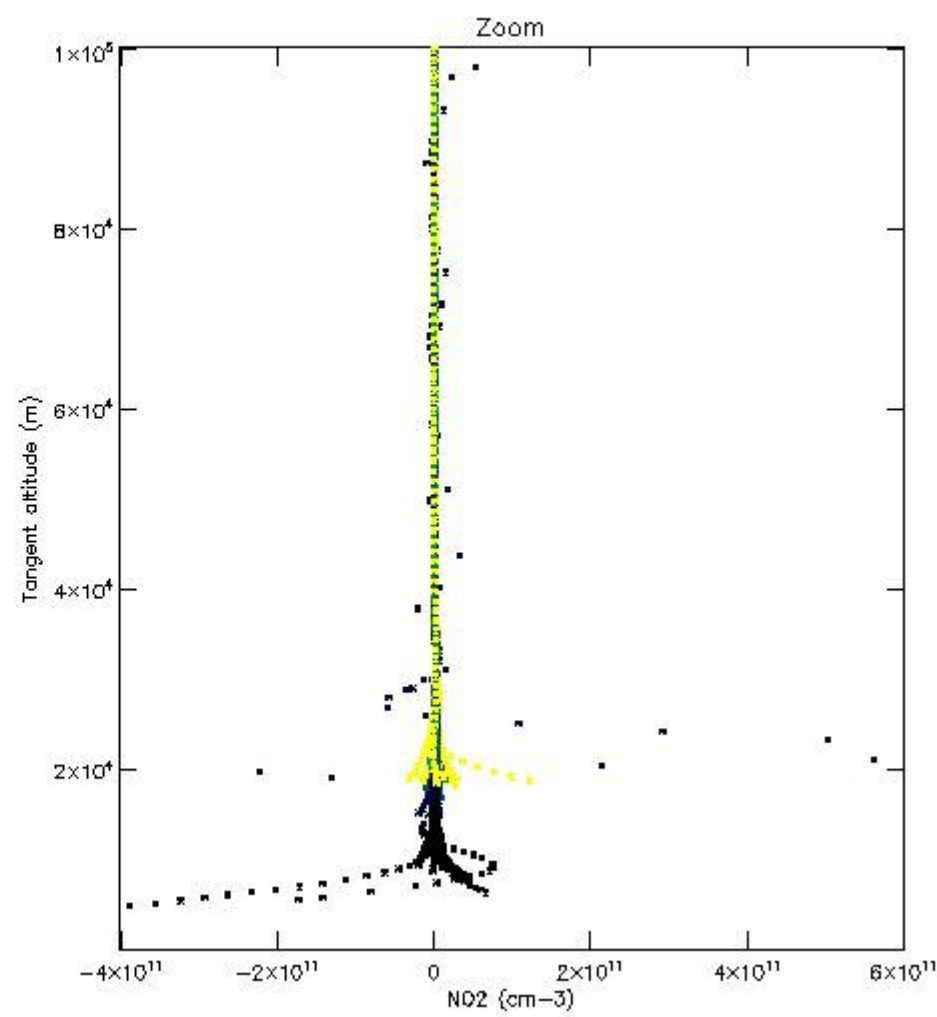
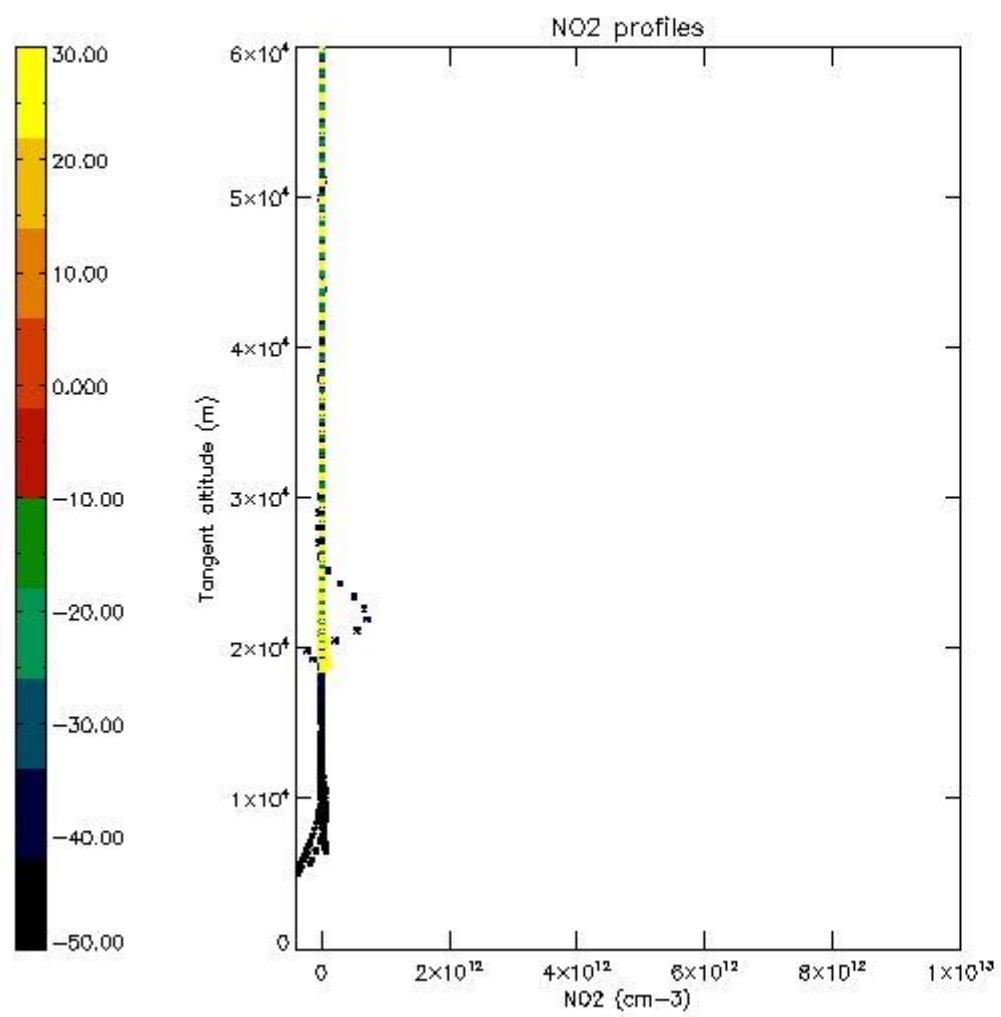
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



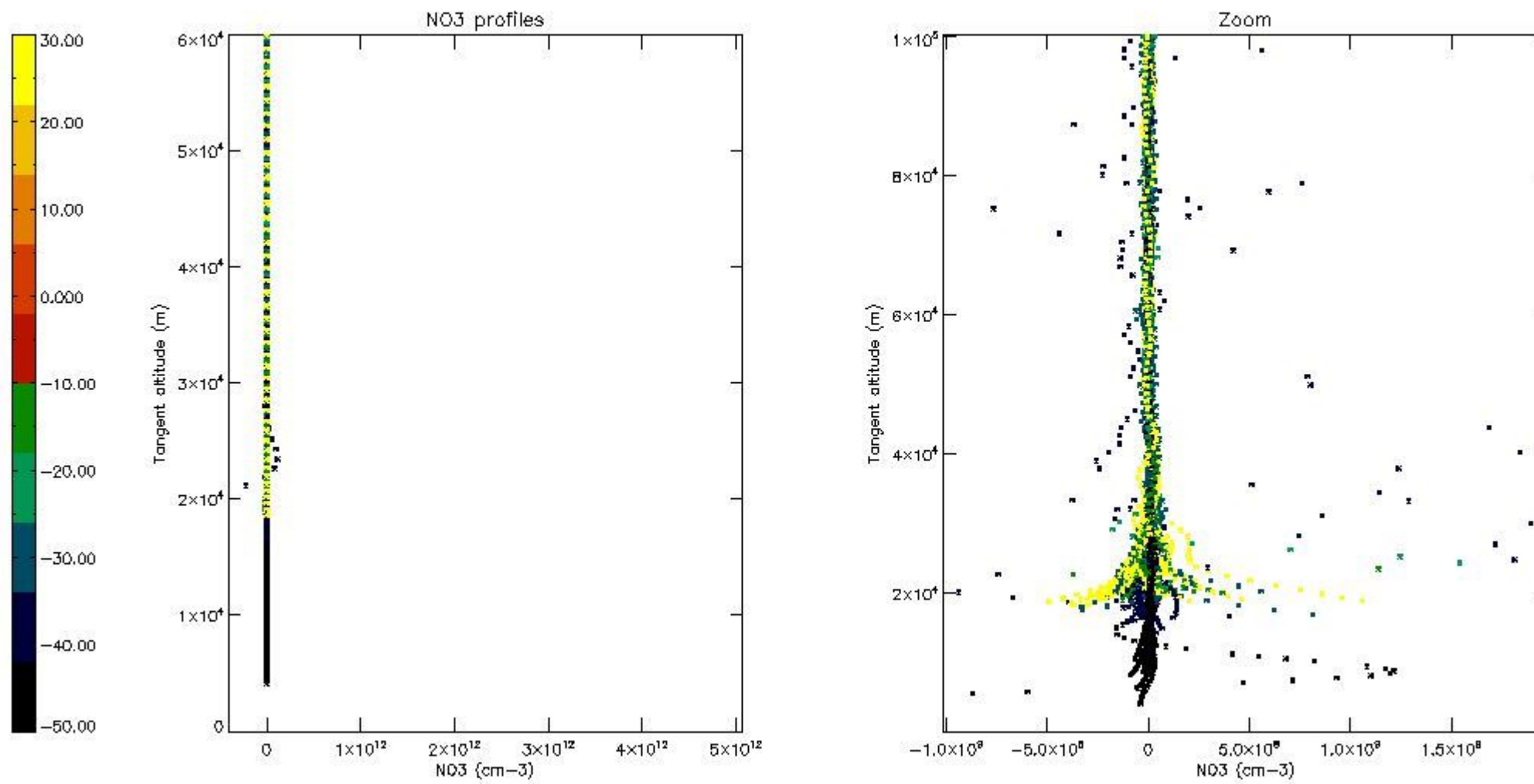
5.6 Plot NO₂ profiles for all STD (dark without errors)

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	11-SEP-2009 00:15:17
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	11-SEP-2009 00:15:17
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	11-SEP-2009 00:15:17

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	26APR2013 12:39:04
Data source version	GOMOS/6.01
Start time of products	11-09-2009 (11SEP2009 00:00:00)
Stop time of products	12-09-2009 (12SEP2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	219
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__2PRFIN20090911_001517_000000542082_00245_39377_5263.N1	11-SEP-2009 00:15:17	Bright	53.500	42	34Bet Aur	1.9000	10200.	107	39377	No
2	GOM_NL__2PRFIN20090911_002006_000000592082_00245_39377_5264.N1	11-SEP-2009 00:20:06	Bright	59.000	24	66Alp Gem	1.5800	10200.	118	39377	No
3	GOM_NL__2PRFIN20090911_002304_000000552082_00245_39377_5265.N1	11-SEP-2009 00:23:04	Twilight	54.500	170	27Eps Gem	3.0000	9700.0	109	39377	No
4	GOM_NL__2PRFIN20090911_002634_000000612082_00245_39377_5266.N1	11-SEP-2009 00:26:34	Twilight	60.500	44	24Gam Gem	1.9280	11000.	121	39377	No
5	GOM_NL__2PRFIN20090911_002822_000000552082_00245_39377_5267.N1	11-SEP-2009 00:28:22	Twilight	55.000	8	10Alp CMi	0.40000	6500.0	110	39377	No
6	GOM_NL__2PRFIN20090911_003655_000000522082_00245_39377_5268.N1	11-SEP-2009 00:36:55	Dark	52.000	1	9Alp CMA	-1.4400	11000.	104	39377	No
7	GOM_NL__2PRFIN20090911_003834_000000522082_00245_39377_5269.N1	11-SEP-2009 00:38:34	Dark	52.000	47	2Bet CMA	1.9760	28000.	104	39377	No
8	GOM_NL__2PRFIN20090911_004132_000000452082_00245_39377_5270.N1	11-SEP-2009 00:41:32	Dark	45.000	177	1Zet CMA	3.0220	26000.	90	39377	No
9	GOM_NL__2PRFIN20090911_005703_000000562082_00246_39378_5272.N1	11-SEP-2009 00:57:03	Dark	56.000	157	The1Eri	2.9060	9300.0	112	39378	No
10	GOM_NL__2PRFIN20090911_010327_000000462082_00246_39378_5273.N1	11-SEP-2009 01:03:27	Straylight	46.000	84	Alp Phe	2.3970	4500.0	92	39378	No
11	GOM_NL__2PRFIN20090911_012244_000000402082_00246_39378_5274.N1	11-SEP-2009 01:22:44	Bright	40.000	90	54Alp Peg	2.4870	11000.	80	39378	No
12	GOM_NL__2PRFIN20090911_012658_000000392082_00246_39378_5275.N1	11-SEP-2009 01:26:58	Bright	39.000	164	44Eta Peg	2.9480	5400.0	78	39378	No
13	GOM_NL__2PRFIN20090911_013711_000000422082_00246_39378_5276.N1	11-SEP-2009 01:37:11	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	39378	No
14	GOM_NL__2PRFIN20090911_013906_000000452082_00246_39378_5277.N1	11-SEP-2009 01:39:06	Bright	44.500	76	27Gam Cas	2.3000	30000.	89	39378	No
15	GOM_NL__2PRFIN20090911_015553_000000562082_00246_39378_5278.N1	11-SEP-2009 01:55:53	Bright	55.500	42	34Bet Aur	1.9000	10200.	111	39378	No
16	GOM_NL__2PRFIN20090911_020041_000000592082_00246_39378_5279.N1	11-SEP-2009 02:00:41	Bright	59.000	24	66Alp Gem	1.5800	10200.	118	39378	No
17	GOM_NL__2PRFIN20090911_020341_000000592082_00246_39378_5280.N1	11-SEP-2009 02:03:41	Twilight	59.000	170	27Eps Gem	3.0000	9700.0	118	39378	No
18	GOM_NL__2PRFIN20090911_020711_000000612082_00246_39378_5281.N1	11-SEP-2009 02:07:11	Twilight	60.500	44	24Gam Gem	1.9280	11000.	121	39378	No
19	GOM_NL__2PRFIN20090911_020858_000000502082_00246_39378_5282.N1	11-SEP-2009 02:08:58	Twilight	50.000	8	10Alp CMi	0.40000	6500.0	100	39378	No
20	GOM_NL__2PRFIN20090911_021731_000000642082_00246_39378_5283.N1	11-SEP-2009 02:17:31	Dark	64.000	1	9Alp CMA	-1.4400	11000.	128	39378	No
21	GOM_NL__2PRFIN20090911_021911_000000522082_00246_39378_5284.N1	11-SEP-2009 02:19:11	Dark	52.000	47	2Bet CMA	1.9760	28000.	104	39378	No
22	GOM_NL__2PRFIN20090911_041817_000000562082_00248_39380_5299.N1	11-SEP-2009 04:18:17	Dark	55.500	157	The1Eri	2.9060	9300.0	111	39380	No
23	GOM_NL__2PRFIN20090911_042439_000000472082_00248_39380_5300.N1	11-SEP-2009 04:24:39	Straylight	46.500	84	Alp Phe	2.3970	4500.0	93	39380	No
24	GOM_NL__2PRFIN20090911_043239_000000272082_00248_39380_5301.N1	11-SEP-2009 04:32:39	Twilight	27.000	52	16Bet Cet	2.0370	4500.0	54	39380	No
25	GOM_NL__2PRFIN20090911_044356_000000422082_00248_39380_5302.N1	11-SEP-2009 04:43:56	Bright	41.500	90	54Alp Peg	2.4870	11000.	83	39380	No
26	GOM_NL__2PRFIN20090911_044810_000000402082_00248_39380_5303.N1	11-SEP-2009 04:48:10	Bright	40.000	164	44Eta Peg	2.9480	5400.0	80	39380	No
27	GOM_NL__2PRFIN20090911_045822_000000432082_00248_39380_5304.N1	11-SEP-2009 04:58:22	Bright	42.500	74	11Bet Cas	2.2680	6600.0	85	39380	No
28	GOM_NL__2PRFIN20090911_050017_000000432082_00248_39380_5305.N1	11-SEP-2009 05:00:17	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	39380	No
29	GOM_NL__2PRFIN20090911_051705_000000572082_00248_39380_5306.N1	11-SEP-2009 05:17:05	Bright	56.500	42	34Bet Aur	1.9000	10200.	113	39380	No
30	GOM_NL__2PRFIN20090911_052154_000000432082_00248_39380_5307.N1	11-SEP-2009 05:21:54	Bright	42.500	24	66Alp Gem	1.5800	10200.	85	39380	No
31	GOM_NL__2PRFIN20090911_052453_000000632082_00248_39380_5308.N1	11-SEP-2009 05:24:53	Twilight	63.000	170	27Eps Gem	3.0000	9700.0	126	39380	No
32	GOM_NL__2PRFIN20090911_052824_000000602082_00248_39380_5309.N1	11-SEP-2009 05:28:24	Twilight	60.000	44	24Gam Gem	1.9280	11000.	120	39380	No
33	GOM_NL__2PRFIN20090911_053011_000000542082_00248_39380_5310.N1	11-SEP-2009 05:30:11	Twilight	53.500	8	10Alp CMi	0.40000	6500.0	107	39380	No
34	GOM_NL__2PRFIN20090911_053845_000000522082_00248_39380_5311.N1	11-SEP-2009 05:38:45	Dark	51.500	1	9Alp CMA	-1.4400	11000.	103	39380	No
35	GOM_NL__2PRFIN20090911_054025_000000552082_00248_39380_5312.N1	11-SEP-2009 05:40:25	Dark	54.500	47	2Bet CMA	1.9760	28000.	109	39380	No
36	GOM_NL__2PRFIN20090911_054323_000000472082_00248_39380_5313.N1	11-SEP-2009 05:43:23	Dark	46.500	177	1Zet CMA	3.0220	26000.	93	39380	No
37	GOM_NL__2PRFIN20090911_054642_000000492082_00248_39380_5314.N1	11-SEP-2009 05:46:42	Dark	48.500	108	Alp Col	2.6520	15200.	97	39380	No
38	GOM_NL__2PRFIN20090911_055854_000000552082_00249_39381_5313.N1	11-SEP-2009 05:58:54	Dark	55.000	157	The1Eri	2.9060	9300.0	110	39381	No
39	GOM_NL__2PRFIN20090911_060516_000000442082_00249_39381_5314.N1	11-SEP-2009 06:05:16	Straylight	44.000	84	Alp Phe	2.3970	4500.0	88	39381	No
40	GOM_NL__2PRFIN20090911_061315_000000272082_00249_39381_5315.N1	11-SEP-2009 06:13:15	Twilight	27.000	52	16Bet Cet	2.0370	4500.0	54	39381	No
41	GOM_NL__2PRFIN20090911_062431_000000422082_00249_39381_5316.N1	11-SEP-2009 06:24:31	Bright	42.000	90	54Alp Peg	2.4870	11000.	84	39381	No
42	GOM_NL__2PRFIN20090911_062845_000000412082_00249_39381_5317.N1	11-SEP-2009 06:28:45	Bright	40.500	164	44Eta Peg	2.9480	5400.0	81	39381	No

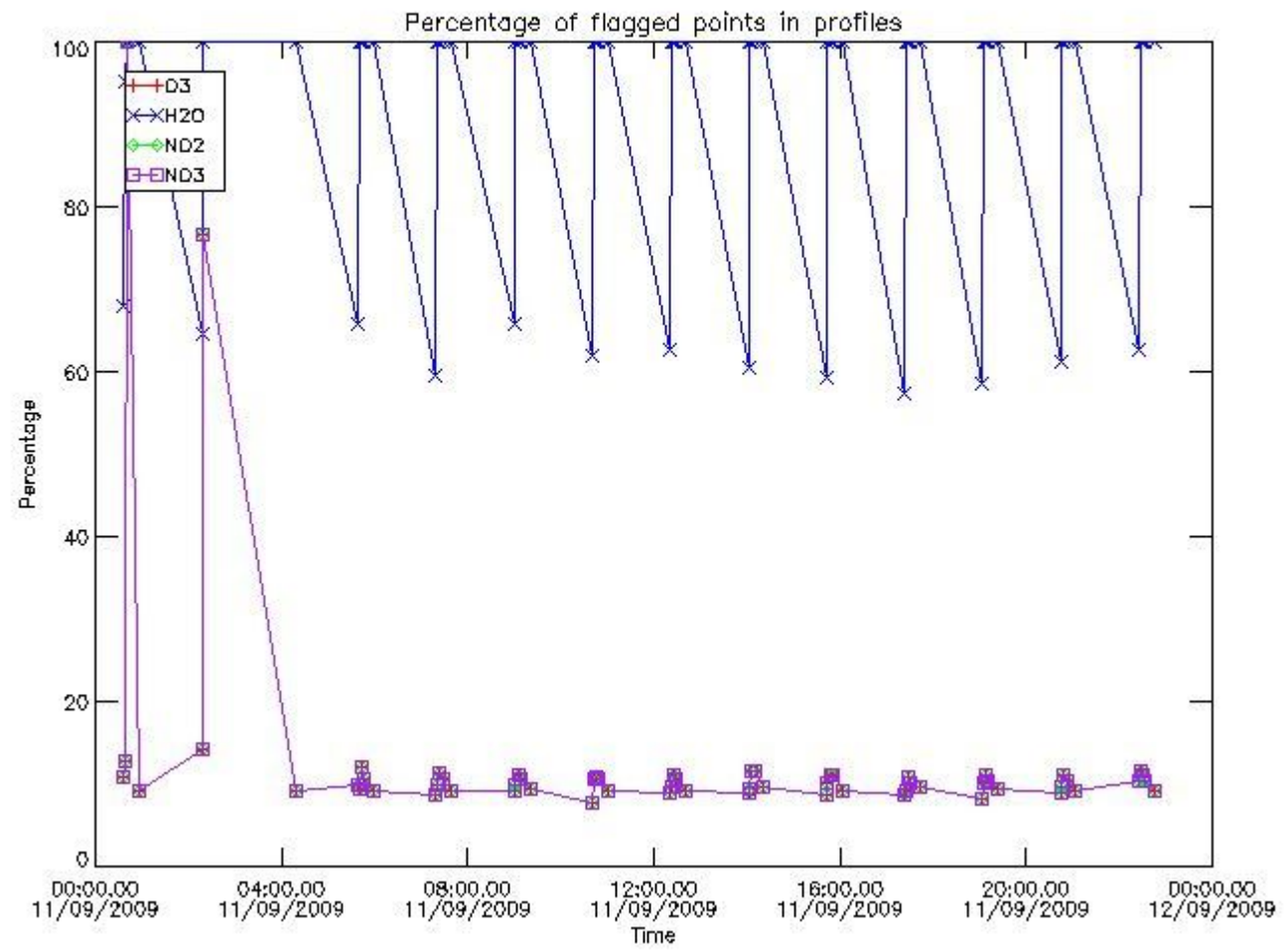
43	GOM_NL__2PRFIN20090911_063857_000000422082_00249_39381_5318.N1	11-SEP-2009 06:38:57	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	39381	No
44	GOM_NL__2PRFIN20090911_064052_000000442082_00249_39381_5319.N1	11-SEP-2009 06:40:52	Bright	44.000	76	27Gam Cas	2.3000	30000.	88	39381	No
45	GOM_NL__2PRFIN20090911_065741_000000522082_00249_39381_5320.N1	11-SEP-2009 06:57:41	Bright	51.500	42	34Bet Aur	1.9000	10200.	103	39381	No
46	GOM_NL__2PRFIN20090911_070230_000000422082_00249_39381_5321.N1	11-SEP-2009 07:02:30	Bright	42.000	24	66Alp Gem	1.5800	10200.	84	39381	No
47	GOM_NL__2PRFIN20090911_070530_000000592082_00249_39381_5322.N1	11-SEP-2009 07:05:30	Tw_i_and_stray	59.000	170	27Eps Gem	3.0000	9700.0	118	39381	No
48	GOM_NL__2PRFIN20090911_070900_000000592082_00249_39381_5323.N1	11-SEP-2009 07:09:00	Tw_i_and_stray	59.000	44	24Gam Gem	1.9280	11000.	118	39381	No
49	GOM_NL__2PRFIN20090911_071047_000000512082_00249_39381_5324.N1	11-SEP-2009 07:10:47	Twilight	51.000	8	10Alp CMi	0.40000	6500.0	102	39381	No
50	GOM_NL__2PRFIN20090911_071922_000000592082_00249_39381_5325.N1	11-SEP-2009 07:19:22	Dark	58.500	1	9Alp CMA	-1.4400	11000.	117	39381	No
51	GOM_NL__2PRFIN20090911_072102_000000522082_00249_39381_5326.N1	11-SEP-2009 07:21:02	Dark	52.000	47	2Bet CMA	1.9760	28000.	104	39381	No
52	GOM_NL__2PRFIN20090911_072400_000000452082_00249_39381_5327.N1	11-SEP-2009 07:24:00	Dark	45.000	177	1Zet CMA	3.0220	26000.	90	39381	No
53	GOM_NL__2PRFIN20090911_072719_000000492082_00249_39381_5328.N1	11-SEP-2009 07:27:19	Dark	48.500	108	Alp Col	2.6520	15200.	97	39381	No
54	GOM_NL__2PRFIN20090911_073931_000000552082_00250_39382_5331.N1	11-SEP-2009 07:39:31	Dark	55.000	157	The1Eri	2.9060	9300.0	110	39382	No
55	GOM_NL__2PRFIN20090911_074552_000000442082_00250_39382_5332.N1	11-SEP-2009 07:45:52	Straylight	44.000	84	Alp Phe	2.3970	4500.0	88	39382	No
56	GOM_NL__2PRFIN20090911_075351_000000322082_00250_39382_5333.N1	11-SEP-2009 07:53:51	Tw_i_and_stray	31.500	52	16Bet Cet	2.0370	4500.0	63	39382	No
57	GOM_NL__2PRFIN20090911_080507_000000432082_00250_39382_5334.N1	11-SEP-2009 08:05:07	Bright	42.500	90	54Alp Peg	2.4870	11000.	85	39382	No
58	GOM_NL__2PRFIN20090911_080921_000000392082_00250_39382_5335.N1	11-SEP-2009 08:09:21	Bright	38.500	164	44Eta Peg	2.9480	5400.0	77	39382	No
59	GOM_NL__2PRFIN20090911_081141_000000252082_00250_39382_5336.N1	11-SEP-2009 08:11:41	Tw_i_and_stray	25.000	58	21Alp And	2.0730	11000.	50	39382	No
60	GOM_NL__2PRFIN20090911_081932_000000412082_00250_39382_5337.N1	11-SEP-2009 08:19:32	Bright	40.500	74	11Bet Cas	2.2680	6600.0	81	39382	No
61	GOM_NL__2PRFIN20090911_082127_000000432082_00250_39382_5338.N1	11-SEP-2009 08:21:27	Bright	43.000	76	27Gam Cas	2.3000	30000.	86	39382	No
62	GOM_NL__2PRFIN20090911_083816_000000552082_00250_39382_5339.N1	11-SEP-2009 08:38:16	Bright	54.500	42	34Bet Aur	1.9000	10200.	109	39382	No
63	GOM_NL__2PRFIN20090911_084306_000000422082_00250_39382_5340.N1	11-SEP-2009 08:43:06	Bright	41.500	24	66Alp Gem	1.5800	10200.	83	39382	No
64	GOM_NL__2PRFIN20090911_084606_000000602082_00250_39382_5341.N1	11-SEP-2009 08:46:06	Tw_i_and_stray	59.500	170	27Eps Gem	3.0000	9700.0	119	39382	No
65	GOM_NL__2PRFIN20090911_084937_000000622082_00250_39382_5342.N1	11-SEP-2009 08:49:37	Tw_i_and_stray	61.500	44	24Gam Gem	1.9280	11000.	123	39382	No
66	GOM_NL__2PRFIN20090911_085124_000000532082_00250_39382_5343.N1	11-SEP-2009 08:51:24	Twilight	53.000	8	10Alp CMi	0.40000	6500.0	106	39382	No
67	GOM_NL__2PRFIN20090911_085959_000000562082_00250_39382_5344.N1	11-SEP-2009 08:59:59	Dark	56.000	1	9Alp CMA	-1.4400	11000.	112	39382	No
68	GOM_NL__2PRFIN20090911_090139_000000522082_00250_39382_5345.N1	11-SEP-2009 09:01:39	Dark	51.500	47	2Bet CMA	1.9760	28000.	103	39382	No
69	GOM_NL__2PRFIN20090911_090437_000000462082_00250_39382_5346.N1	11-SEP-2009 09:04:37	Dark	46.000	177	1Zet CMA	3.0220	26000.	92	39382	No
70	GOM_NL__2PRFIN20090911_090756_000000482082_00250_39382_5347.N1	11-SEP-2009 09:07:56	Dark	48.000	108	Alp Col	2.6520	15200.	96	39382	No
71	GOM_NL__2PRFIN20090911_092008_000000552082_00251_39383_5355.N1	11-SEP-2009 09:20:08	Dark	54.500	157	The1Eri	2.9060	9300.0	109	39383	No
72	GOM_NL__2PRFIN20090911_092629_000000512082_00251_39383_5356.N1	11-SEP-2009 09:26:29	Straylight	51.000	84	Alp Phe	2.3970	4500.0	102	39383	No
73	GOM_NL__2PRFIN20090911_093427_000000322082_00251_39383_5357.N1	11-SEP-2009 09:34:27	Tw_i_and_stray	31.500	52	16Bet Cet	2.0370	4500.0	63	39383	No
74	GOM_NL__2PRFIN20090911_094543_000000412082_00251_39383_5358.N1	11-SEP-2009 09:45:43	Bright	40.500	90	54Alp Peg	2.4870	11000.	81	39383	No
75	GOM_NL__2PRFIN20090911_094957_000000482082_00251_39383_5359.N1	11-SEP-2009 09:49:57	Bright	47.500	164	44Eta Peg	2.9480	5400.0	95	39383	No
76	GOM_NL__2PRFIN20090911_095216_000000252082_00251_39383_5360.N1	11-SEP-2009 09:52:16	Tw_i_and_stray	25.000	58	21Alp And	2.0730	11000.	50	39383	No
77	GOM_NL__2PRFIN20090911_100008_000000422082_00251_39383_5361.N1	11-SEP-2009 10:00:08	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	39383	No
78	GOM_NL__2PRFIN20090911_100203_000000422082_00251_39383_5362.N1	11-SEP-2009 10:02:03	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	39383	No
79	GOM_NL__2PRFIN20090911_101852_000000562082_00251_39383_5363.N1	11-SEP-2009 10:18:52	Bright	55.500	42	34Bet Aur	1.9000	10200.	111	39383	No
80	GOM_NL__2PRFIN20090911_102342_000000432082_00251_39383_5364.N1	11-SEP-2009 10:23:42	Bright	42.500	24	66Alp Gem	1.5800	10200.	85	39383	No
81	GOM_NL__2PRFIN20090911_102642_000000562082_00251_39383_5365.N1	11-SEP-2009 10:26:42	Tw_i_and_stray	55.500	170	27Eps Gem	3.0000	9700.0	111	39383	No
82	GOM_NL__2PRFIN20090911_103013_000000572082_00251_39383_5366.N1	11-SEP-2009 10:30:13	Tw_i_and_stray	57.000	44	24Gam Gem	1.9280	11000.	114	39383	No
83	GOM_NL__2PRFIN20090911_103200_000000582082_00251_39383_5367.N1	11-SEP-2009 10:32:00	Twilight	57.500	8	10Alp CMi	0.40000	6500.0	115	39383	No
84	GOM_NL__2PRFIN20090911_104035_000000662082_00251_39383_5368.N1	11-SEP-2009 10:40:35	Dark	66.000	1	9Alp CMA	-1.4400	11000.	132	39383	No
85	GOM_NL__2PRFIN20090911_104216_000000532082_00251_39383_5369.N1	11-SEP-2009 10:42:16	Dark	53.000	47	2Bet CMA	1.9760	28000.	106	39383	No
86	GOM_NL__2PRFIN20090911_104513_000000482082_00251_39383_5370.N1	11-SEP-2009 10:45:13	Dark	47.500	177	1Zet CMA	3.0220	26000.	95	39383	No
87	GOM_NL__2PRFIN20090911_104833_000000482082_00251_39383_5371.N1	11-SEP-2009 10:48:33	Dark	48.000	108	Alp Col	2.6520	15200.	96	39383	No
88	GOM_NL__2PRFIN20090911_110045_000000552082_00252_39384_5378.N1	11-SEP-2009 11:00:45	Dark	55.000	157	The1Eri	2.9060	9300.0	110	39384	No
89	GOM_NL__2PRFIN20090911_110705_000000442082_00252_39384_5379.N1	11-SEP-2009 11:07:05	Straylight	43.500	84	Alp Phe	2.3970	4500.0	87	39384	No
90	GOM_NL__2PRFIN20090911_111503_000000382082_00252_39384_5380.N1	11-SEP-2009 11:15:03	Tw_i_and_stray	37.500	52	16Bet Cet	2.0370	4500.0	75	39384	No
91	GOM_NL__2PRFIN20090911_112618_000000402082_00252_39384_5381.N1	11-SEP-2009 11:26:18	Bright	40.000	90	54Alp Peg	2.4870	11000.	80	39384	No
92	GOM_NL__2PRFIN20090911_113032_000000572082_00252_39384_5382.N1	11-SEP-2009 11:30:32	Bright	57.000	164	44Eta Peg	2.9480	5400.0	114	39384	No
93	GOM_NL__2PRFIN20090911_113251_000000322082_00252_39384_5383.N1	11-SEP-2009 11:32:51	Tw_i_and_stray	32.000	58	21Alp And	2.0730	11000.	64	39384	No
94	GOM_NL__2PRFIN20090911_114043_000000412082_00252_39384_5384.N1	11-SEP-2009 11:40:43	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	39384	No
95	GOM_NL__2PRFIN20090911_114238_000000412082_00252_39384_5385.N1	11-SEP-2009 11:42:38	Bright	41.000	76	27Gam Cas	2.3000	30000.	82	39384	No
96	GOM_NL__2PRFIN20090911_115927_000000542082_00252_39384_5386.N1	11-SEP-2009 11:59:27	Bright	54.000	42	34Bet Aur	1.9000	10200.	108	39384	No
97	GOM_NL__2PRFIN20090911_120418_000000602082_00252_39384_5387.N1	11-SEP-2009 12:04:18	Bright	60.000	24	66Alp Gem	1.5800	10200.	120	39384	No
98	GOM_NL__2PRFIN20090911_120718_000000592082_00252_39384_5388.N1	11-SEP-2009 12:07:18	Tw_i_and_stray	59.000	170	27Eps Gem	3.0000	9700.0	118	39384	No
99	GOM_NL__2PRFIN20090911_121050_000000642082_00252_39384_5389.N1	11-SEP-2009 12:10:50	Tw_i_and_stray	63.500	44	24Gam Gem	1.9280	11000.	127	39384	No
100	GOM_NL__2PRFIN20090911_121237_000000582082_00252_39384_5390.N1	11-SEP-2009 12:12:37	Twilight	58.000	8	10Alp CMi	0.40000	6500.0	116	39384	No
101	GOM_NL__2PRFIN20090911_122112_000000572082_00252_39384_5391.N1	11-SEP-2009 12:21:12	Dark	56.500	1	9Alp CMA	-1.4400	11000.	113	39384	No

102	GOM_NL__2PRFIN20090911_122253_000000542082_00252_39384_5392.N1	11-SEP-2009 12:22:53	Dark	53.500	47	2Bet CMa	1.9760	28000.	107	39384	No
103	GOM_NL__2PRFIN20090911_122550_000000462082_00252_39384_5393.N1	11-SEP-2009 12:25:50	Dark	46.000	177	1Zet CMa	3.0220	26000.	92	39384	No
104	GOM_NL__2PRFIN20090911_122910_000000482082_00252_39384_5394.N1	11-SEP-2009 12:29:10	Dark	48.000	108	Alp Col	2.6520	15200.	96	39384	No
105	GOM_NL__2PRFIN20090911_124122_000000552082_00253_39385_5398.N1	11-SEP-2009 12:41:22	Dark	55.000	157	The1Eri	2.9060	9300.0	110	39385	No
106	GOM_NL__2PRFIN20090911_124741_000000452082_00253_39385_5399.N1	11-SEP-2009 12:47:41	Straylight	44.500	84	Alp Phe	2.3970	4500.0	89	39385	No
107	GOM_NL__2PRFIN20090911_125539_000000382082_00253_39385_5400.N1	11-SEP-2009 12:55:39	Twilight	38.000	52	16Bet Cet	2.0370	4500.0	76	39385	No
108	GOM_NL__2PRFIN20090911_130654_000000412082_00253_39385_5401.N1	11-SEP-2009 13:06:54	Bright	41.000	90	54Alp Peg	2.4870	11000.	82	39385	No
109	GOM_NL__2PRFIN20090911_131108_000000392082_00253_39385_5402.N1	11-SEP-2009 13:11:08	Bright	39.000	164	44Eta Peg	2.9480	5400.0	78	39385	No
110	GOM_NL__2PRFIN20090911_131326_000000322082_00253_39385_5403.N1	11-SEP-2009 13:13:26	Twilight	32.000	58	21Alp And	2.0730	11000.	64	39385	No
111	GOM_NL__2PRFIN20090911_132118_000000432082_00253_39385_5404.N1	11-SEP-2009 13:21:18	Bright	43.000	74	11Bet Cas	2.2680	6600.0	86	39385	No
112	GOM_NL__2PRFIN20090911_132313_000000452082_00253_39385_5405.N1	11-SEP-2009 13:23:13	Bright	44.500	76	27Gam Cas	2.3000	30000.	89	39385	No
113	GOM_NL__2PRFIN20090911_134003_000000542082_00253_39385_5406.N1	11-SEP-2009 13:40:03	Bright	54.000	42	34Bet Aur	1.9000	10200.	108	39385	No
114	GOM_NL__2PRFIN20090911_134454_000000432082_00253_39385_5407.N1	11-SEP-2009 13:44:54	Bright	42.500	24	66Alp Gem	1.5800	10200.	85	39385	No
115	GOM_NL__2PRFIN20090911_134754_000000612082_00253_39385_5408.N1	11-SEP-2009 13:47:54	Twilight	60.500	170	27Eps Gem	3.0000	9700.0	121	39385	No
116	GOM_NL__2PRFIN20090911_135126_000000602082_00253_39385_5409.N1	11-SEP-2009 13:51:26	Twilight	59.500	44	24Gam Gem	1.9280	11000.	119	39385	No
117	GOM_NL__2PRFIN20090911_135313_000000512082_00253_39385_5410.N1	11-SEP-2009 13:53:13	Twilight	50.500	8	10Alp CMI	0.40000	6500.0	101	39385	No
118	GOM_NL__2PRFIN20090911_140149_000000582082_00253_39385_5411.N1	11-SEP-2009 14:01:49	Dark	57.500	1	9Alp CMa	-1.4400	11000.	115	39385	No
119	GOM_NL__2PRFIN20090911_140330_000000552082_00253_39385_5412.N1	11-SEP-2009 14:03:30	Dark	54.500	47	2Bet CMa	1.9760	28000.	109	39385	No
120	GOM_NL__2PRFIN20090911_140627_000000452082_00253_39385_5413.N1	11-SEP-2009 14:06:27	Dark	44.500	177	1Zet CMa	3.0220	26000.	89	39385	No
121	GOM_NL__2PRFIN20090911_140948_000000492082_00253_39385_5414.N1	11-SEP-2009 14:09:48	Dark	48.500	108	Alp Col	2.6520	15200.	97	39385	No
122	GOM_NL__2PRFIN20090911_142159_000000532082_00254_39386_5427.N1	11-SEP-2009 14:21:59	Dark	52.500	157	The1Eri	2.9060	9300.0	105	39386	No
123	GOM_NL__2PRFIN20090911_142817_000000422082_00254_39386_5428.N1	11-SEP-2009 14:28:17	Straylight	41.500	84	Alp Phe	2.3970	4500.0	83	39386	No
124	GOM_NL__2PRFIN20090911_143615_000000432082_00254_39386_5429.N1	11-SEP-2009 14:36:15	Twilight	43.000	52	16Bet Cet	2.0370	4500.0	86	39386	No
125	GOM_NL__2PRFIN20090911_144729_000000602082_00254_39386_5430.N1	11-SEP-2009 14:47:29	Bright	60.000	90	54Alp Peg	2.4870	11000.	120	39386	No
126	GOM_NL__2PRFIN20090911_145143_000000572082_00254_39386_5431.N1	11-SEP-2009 14:51:43	Bright	57.000	164	44Eta Peg	2.9480	5400.0	114	39386	No
127	GOM_NL__2PRFIN20090911_145401_000000382082_00254_39386_5432.N1	11-SEP-2009 14:54:01	Bright	38.000	58	21Alp And	2.0730	11000.	76	39386	No
128	GOM_NL__2PRFIN20090911_150154_000000422082_00254_39386_5433.N1	11-SEP-2009 15:01:54	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	39386	No
129	GOM_NL__2PRFIN20090911_150349_000000442082_00254_39386_5434.N1	11-SEP-2009 15:03:49	Bright	43.500	76	27Gam Cas	2.3000	30000.	87	39386	No
130	GOM_NL__2PRFIN20090911_152039_000000532082_00254_39386_5435.N1	11-SEP-2009 15:20:39	Bright	53.000	42	34Bet Aur	1.9000	10200.	106	39386	No
131	GOM_NL__2PRFIN20090911_152530_000000432082_00254_39386_5436.N1	11-SEP-2009 15:25:30	Bright	42.500	24	66Alp Gem	1.5800	10200.	85	39386	No
132	GOM_NL__2PRFIN20090911_152831_000000562082_00254_39386_5437.N1	11-SEP-2009 15:28:31	Twilight	56.000	170	27Eps Gem	3.0000	9700.0	112	39386	No
133	GOM_NL__2PRFIN20090911_153203_000000592082_00254_39386_5438.N1	11-SEP-2009 15:32:03	Twilight	59.000	44	24Gam Gem	1.9280	11000.	118	39386	No
134	GOM_NL__2PRFIN20090911_153349_000000522082_00254_39386_5439.N1	11-SEP-2009 15:33:49	Twilight	51.500	8	10Alp CMI	0.40000	6500.0	103	39386	No
135	GOM_NL__2PRFIN20090911_154226_000000602082_00254_39386_5440.N1	11-SEP-2009 15:42:26	Dark	59.500	1	9Alp CMa	-1.4400	11000.	119	39386	No
136	GOM_NL__2PRFIN20090911_154408_000000512082_00254_39386_5441.N1	11-SEP-2009 15:44:08	Dark	50.500	47	2Bet CMa	1.9760	28000.	101	39386	No
137	GOM_NL__2PRFIN20090911_154704_000000462082_00254_39386_5442.N1	11-SEP-2009 15:47:04	Dark	46.000	177	1Zet CMa	3.0220	26000.	92	39386	No
138	GOM_NL__2PRFIN20090911_155024_000000502082_00254_39386_5443.N1	11-SEP-2009 15:50:24	Dark	50.000	108	Alp Col	2.6520	15200.	100	39386	No
139	GOM_NL__2PRFIN20090911_160236_000000552082_00255_39387_5436.N1	11-SEP-2009 16:02:36	Dark	55.000	157	The1Eri	2.9060	9300.0	110	39387	No
140	GOM_NL__2PRFIN20090911_160854_000000442082_00255_39387_5437.N1	11-SEP-2009 16:08:54	Straylight	43.500	84	Alp Phe	2.3970	4500.0	87	39387	No
141	GOM_NL__2PRFIN20090911_161651_000000432082_00255_39387_5438.N1	11-SEP-2009 16:16:51	Twilight	43.000	52	16Bet Cet	2.0370	4500.0	86	39387	No
142	GOM_NL__2PRFIN20090911_162805_000000412082_00255_39387_5439.N1	11-SEP-2009 16:28:05	Bright	40.500	90	54Alp Peg	2.4870	11000.	81	39387	No
143	GOM_NL__2PRFIN20090911_163219_000000472082_00255_39387_5440.N1	11-SEP-2009 16:32:19	Bright	46.500	164	44Eta Peg	2.9480	5400.0	93	39387	No
144	GOM_NL__2PRFIN20090911_163437_000000382082_00255_39387_5441.N1	11-SEP-2009 16:34:37	Bright	38.000	58	21Alp And	2.0730	11000.	76	39387	No
145	GOM_NL__2PRFIN20090911_164230_000000432082_00255_39387_5442.N1	11-SEP-2009 16:42:30	Bright	43.000	74	11Bet Cas	2.2680	6600.0	86	39387	No
146	GOM_NL__2PRFIN20090911_164424_000000422082_00255_39387_5443.N1	11-SEP-2009 16:44:24	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	39387	No
147	GOM_NL__2PRFIN20090911_170114_000000542082_00255_39387_5444.N1	11-SEP-2009 17:01:14	Bright	54.000	42	34Bet Aur	1.9000	10200.	108	39387	No
148	GOM_NL__2PRFIN20090911_170606_000000422082_00255_39387_5445.N1	11-SEP-2009 17:06:06	Bright	42.000	24	66Alp Gem	1.5800	10200.	84	39387	No
149	GOM_NL__2PRFIN20090911_170907_000000592082_00255_39387_5446.N1	11-SEP-2009 17:09:07	Twilight	58.500	170	27Eps Gem	3.0000	9700.0	117	39387	No
150	GOM_NL__2PRFIN20090911_171239_000000622082_00255_39387_5447.N1	11-SEP-2009 17:12:39	Twilight	62.000	44	24Gam Gem	1.9280	11000.	124	39387	No
151	GOM_NL__2PRFIN20090911_171426_000000492082_00255_39387_5448.N1	11-SEP-2009 17:14:26	Twilight	48.500	8	10Alp CMI	0.40000	6500.0	97	39387	No
152	GOM_NL__2PRFIN20090911_172303_000000582082_00255_39387_5449.N1	11-SEP-2009 17:23:03	Dark	58.000	1	9Alp CMa	-1.4400	11000.	116	39387	No
153	GOM_NL__2PRFIN20090911_172444_000000562082_00255_39387_5450.N1	11-SEP-2009 17:24:44	Dark	55.500	47	2Bet CMa	1.9760	28000.	111	39387	No
154	GOM_NL__2PRFIN20090911_172741_000000482082_00255_39387_5451.N1	11-SEP-2009 17:27:41	Dark	47.500	177	1Zet CMa	3.0220	26000.	95	39387	No
155	GOM_NL__2PRFIN20090911_173101_000000502082_00255_39387_5452.N1	11-SEP-2009 17:31:01	Dark	50.000	108	Alp Col	2.6520	15200.	100	39387	No
156	GOM_NL__2PRFIN20090911_174313_000000532082_00256_39388_5463.N1	11-SEP-2009 17:43:13	Dark	53.000	157	The1Eri	2.9060	9300.0	106	39388	No
157	GOM_NL__2PRFIN20090911_174931_000000482082_00256_39388_5464.N1	11-SEP-2009 17:49:31	Straylight	48.000	84	Alp Phe	2.3970	4500.0	96	39388	No
158	GOM_NL__2PRFIN20090911_175727_000000482082_00256_39388_5465.N1	11-SEP-2009 17:57:27	Twilight	48.000	52	16Bet Cet	2.0370	4500.0	96	39388	No
159	GOM_NL__2PRFIN20090911_180841_000000422082_00256_39388_5466.N1	11-SEP-2009 18:08:41	Bright	42.000	90	54Alp Peg	2.4870	11000.	84	39388	No
160	GOM_NL__2PRFIN20090911_181255_000000382082_00256_39388_5467.N1	11-SEP-2009 18:12:55	Bright	38.000	164	44Eta Peg	2.9480	5400.0	76	39388	No

3. Quality information per product

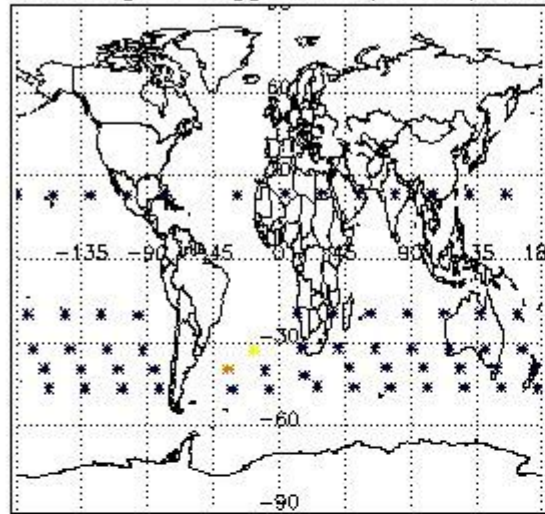
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

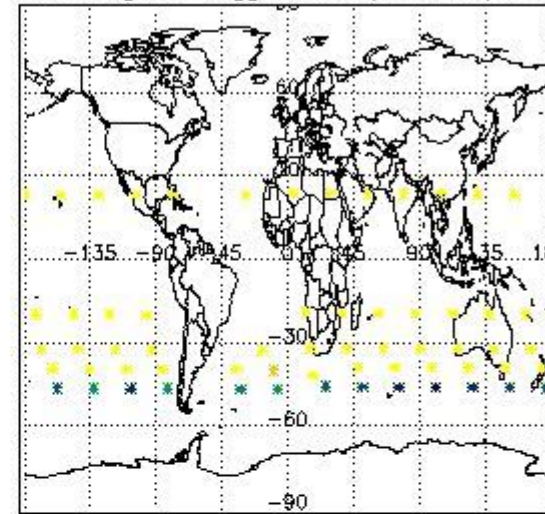


3.2 Plot quality information per product (world map)

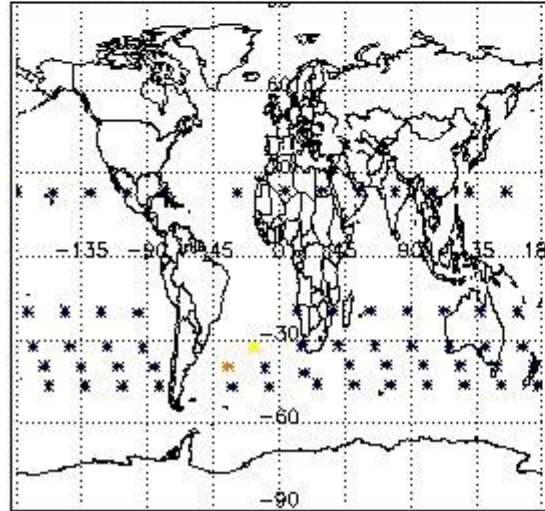
Percentage of flagged data per O3 profile



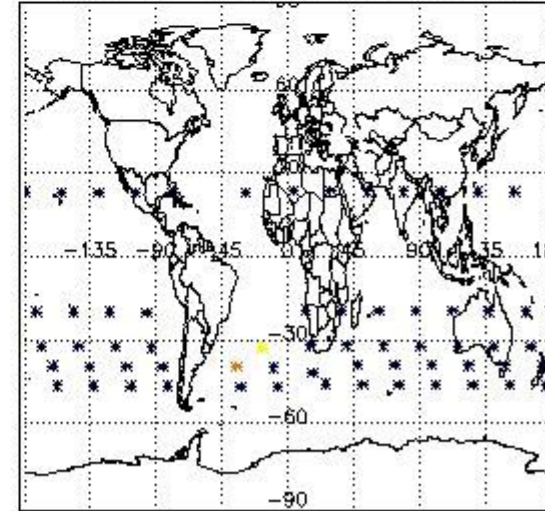
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

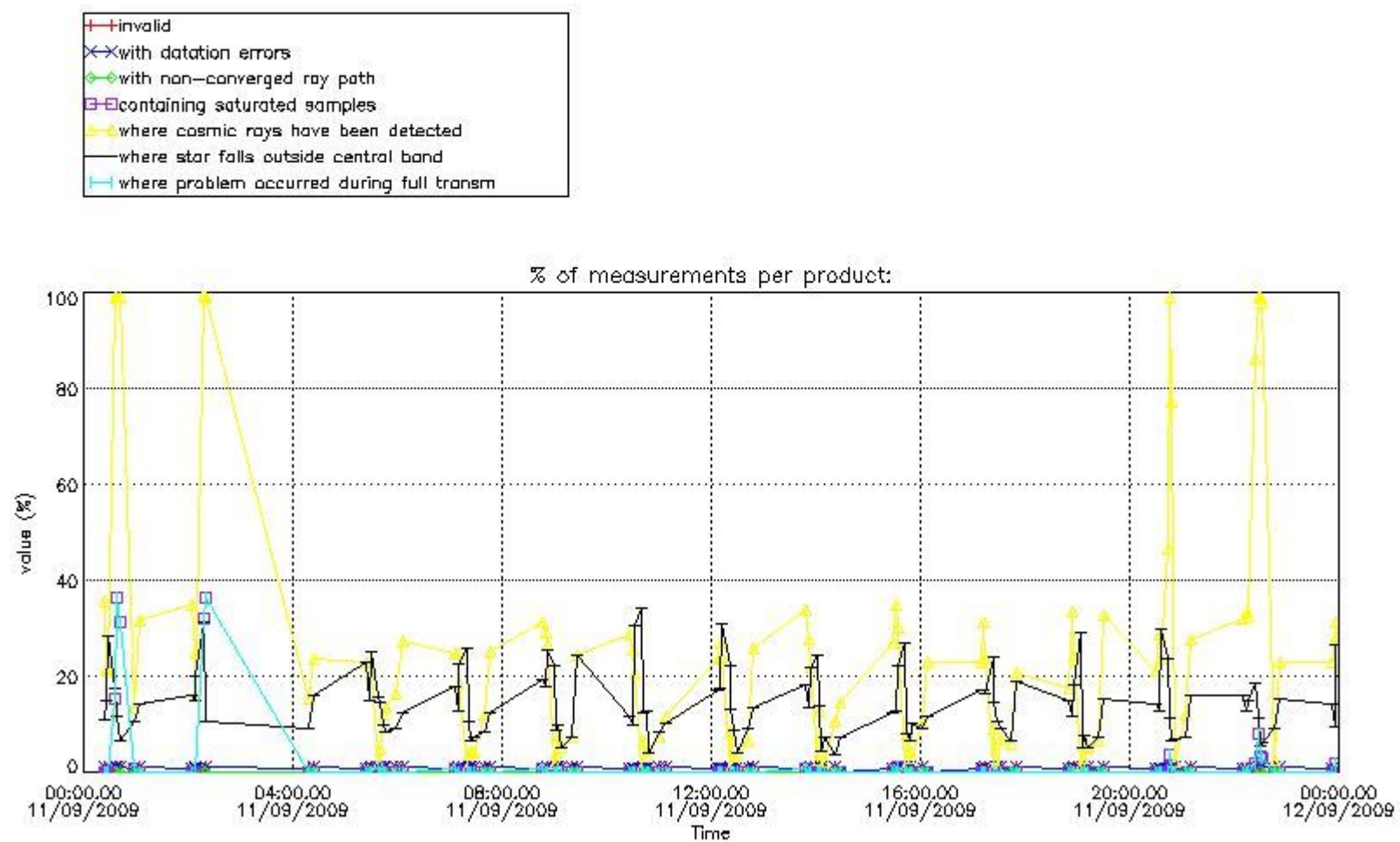


4. Level 1 quality information per product

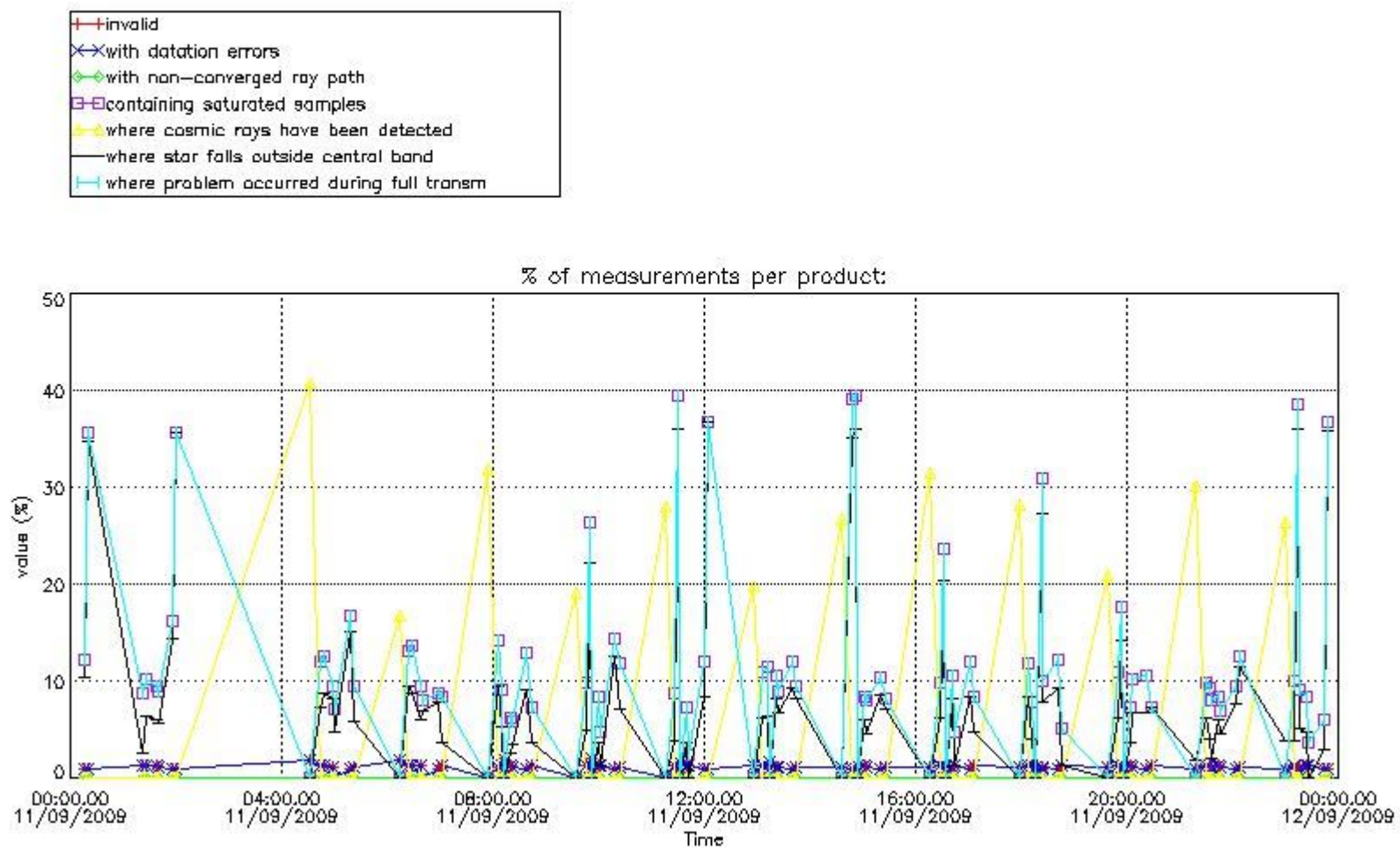
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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

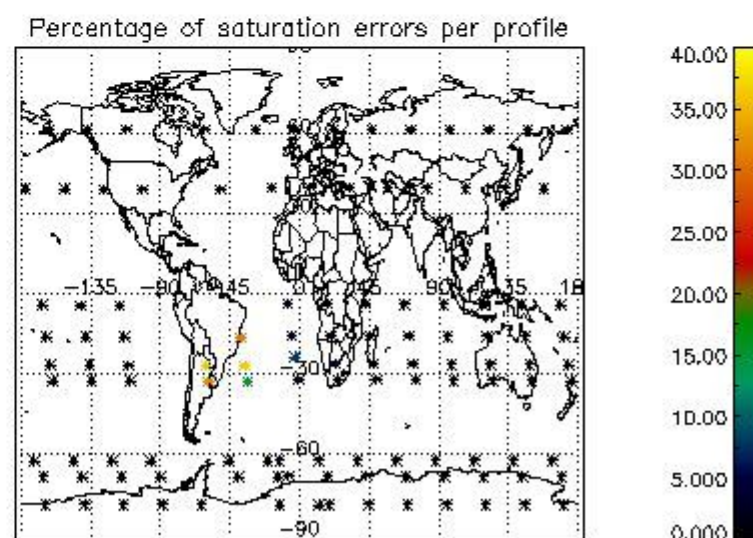
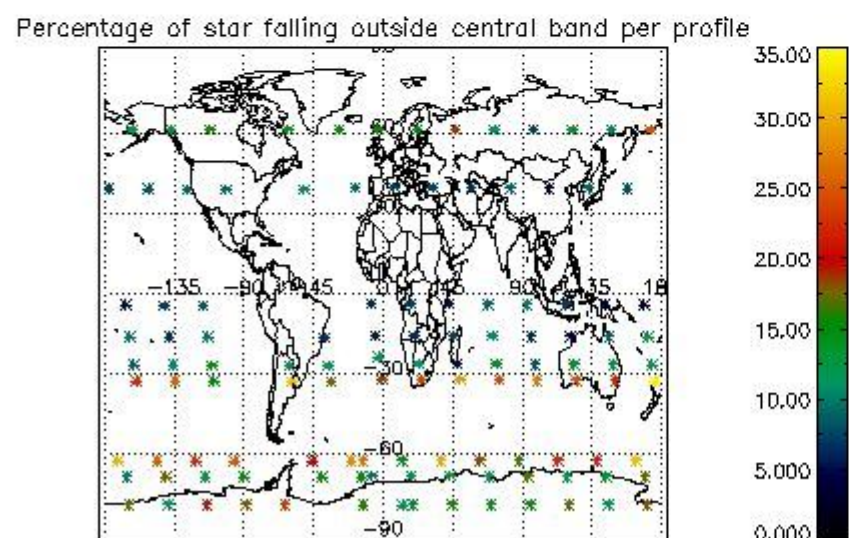
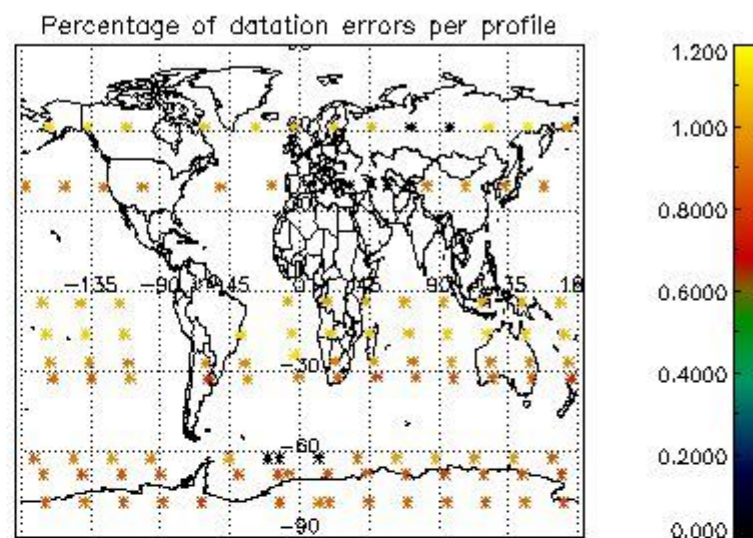
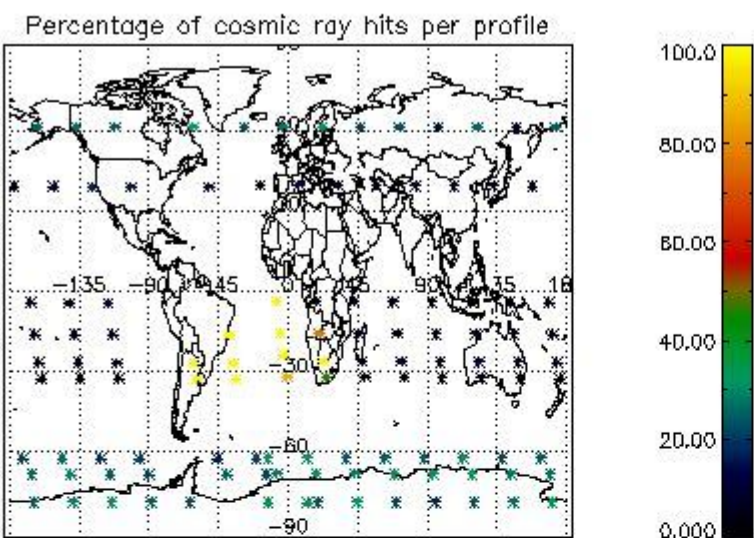


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

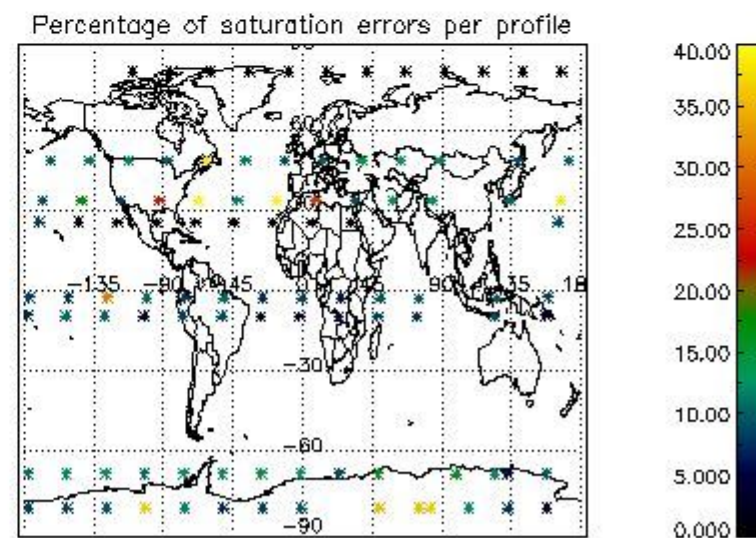
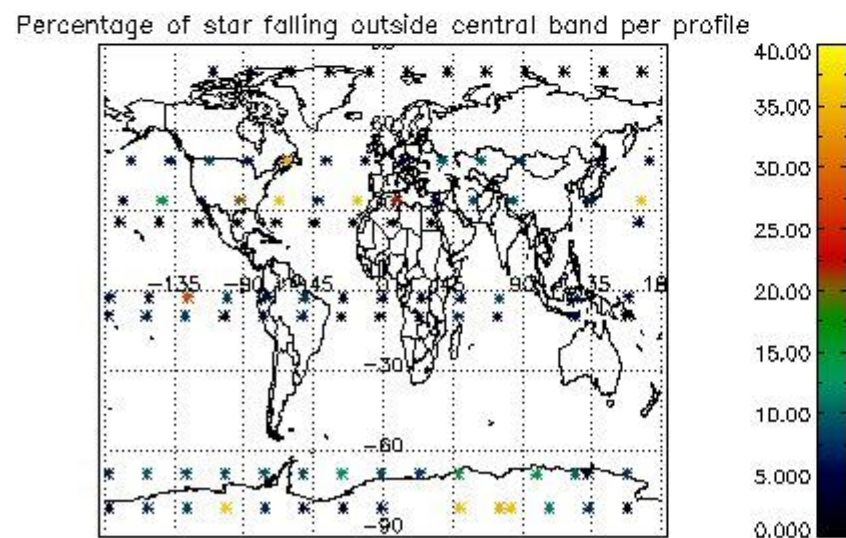
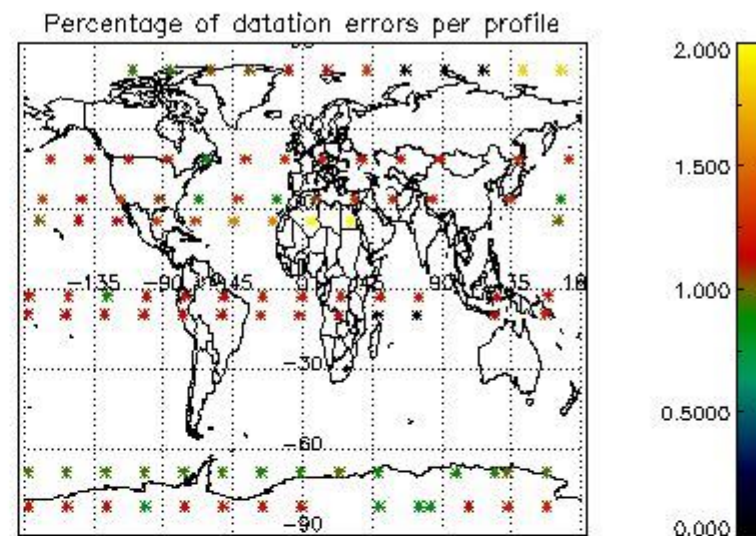
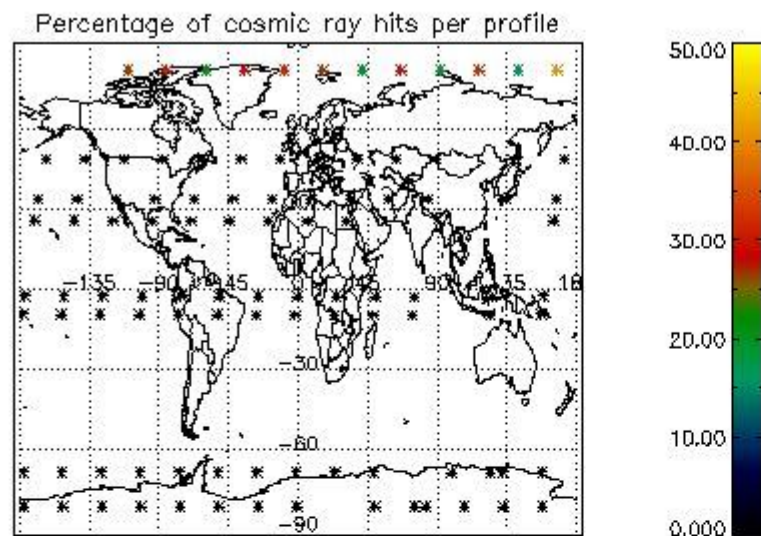


4.2 Plot quality information per product coming from level 1b processing (world map)

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



4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/o3_std of the level 2 products. The table below shows the statistics for given STD ranges.

The statistics are given with respect to the overall valid production:

- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

The 'Criteria' is applied to valid points of dark limb products:

- Products in dark limb illumination condition: GOM_NL__2P/NL_SUMMARY_QUALITY/obs_ill_cond=0
- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

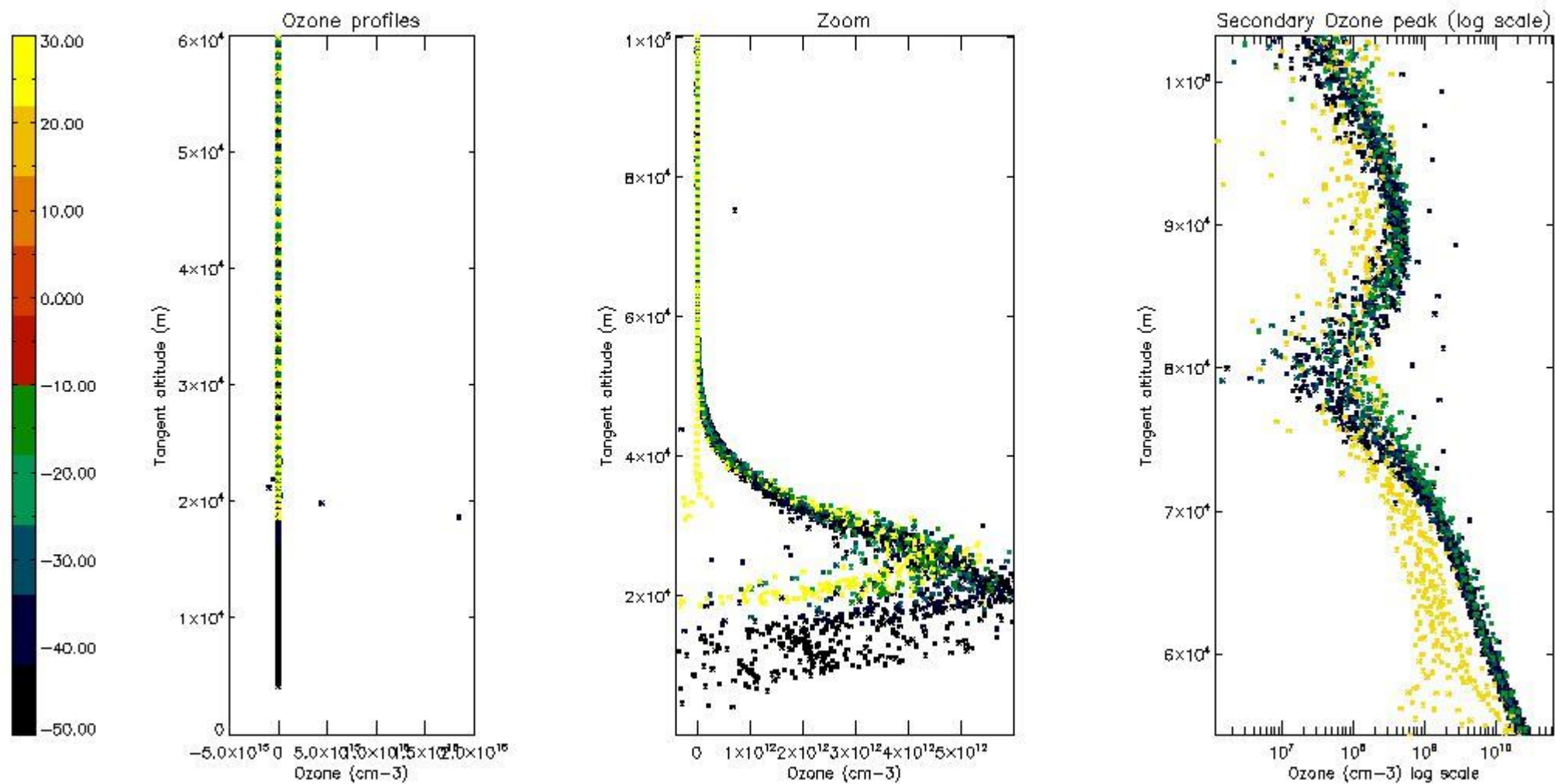
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	30
STD < 20	18

STD < 10	16
STD < 5	11

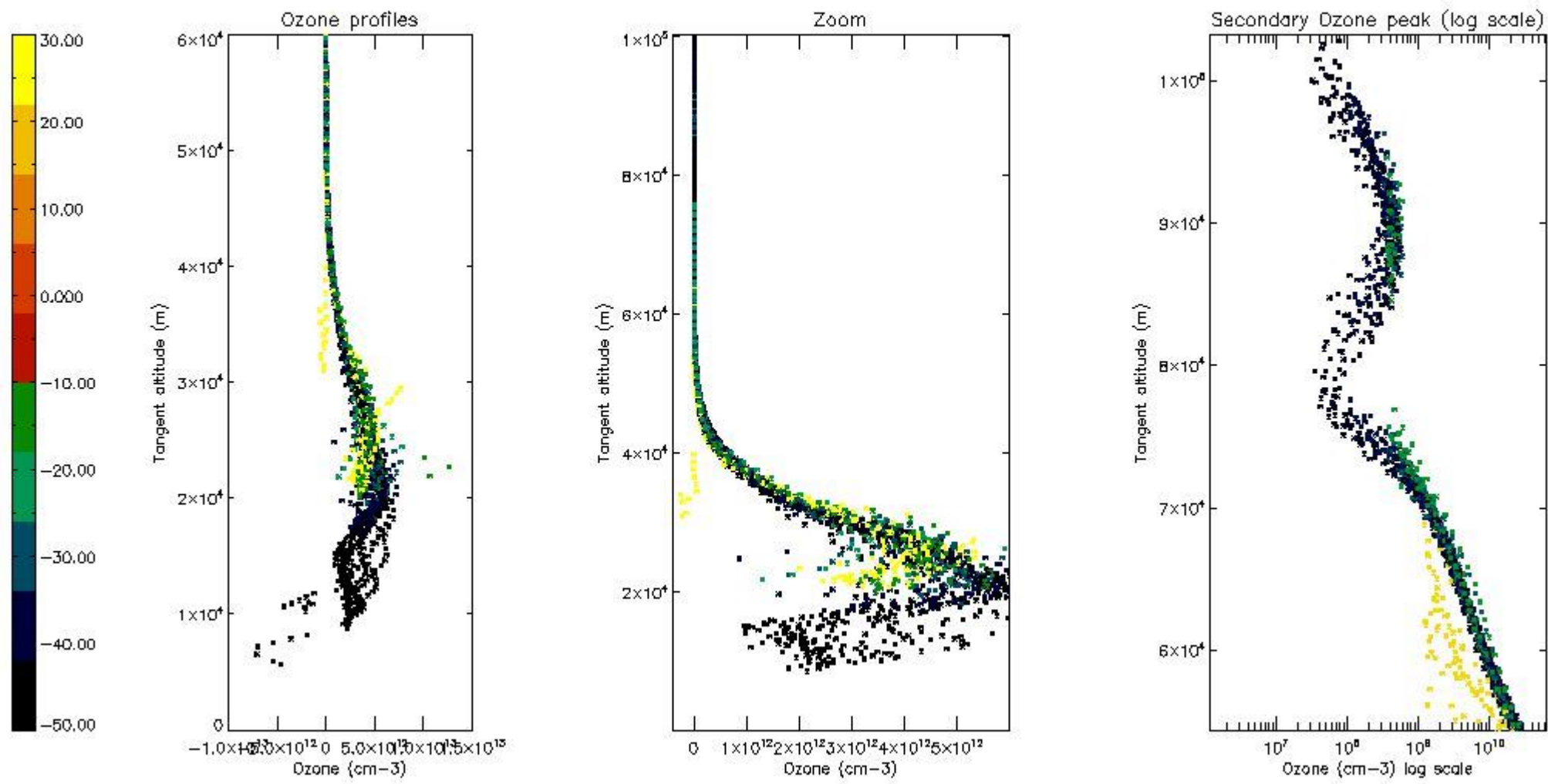
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



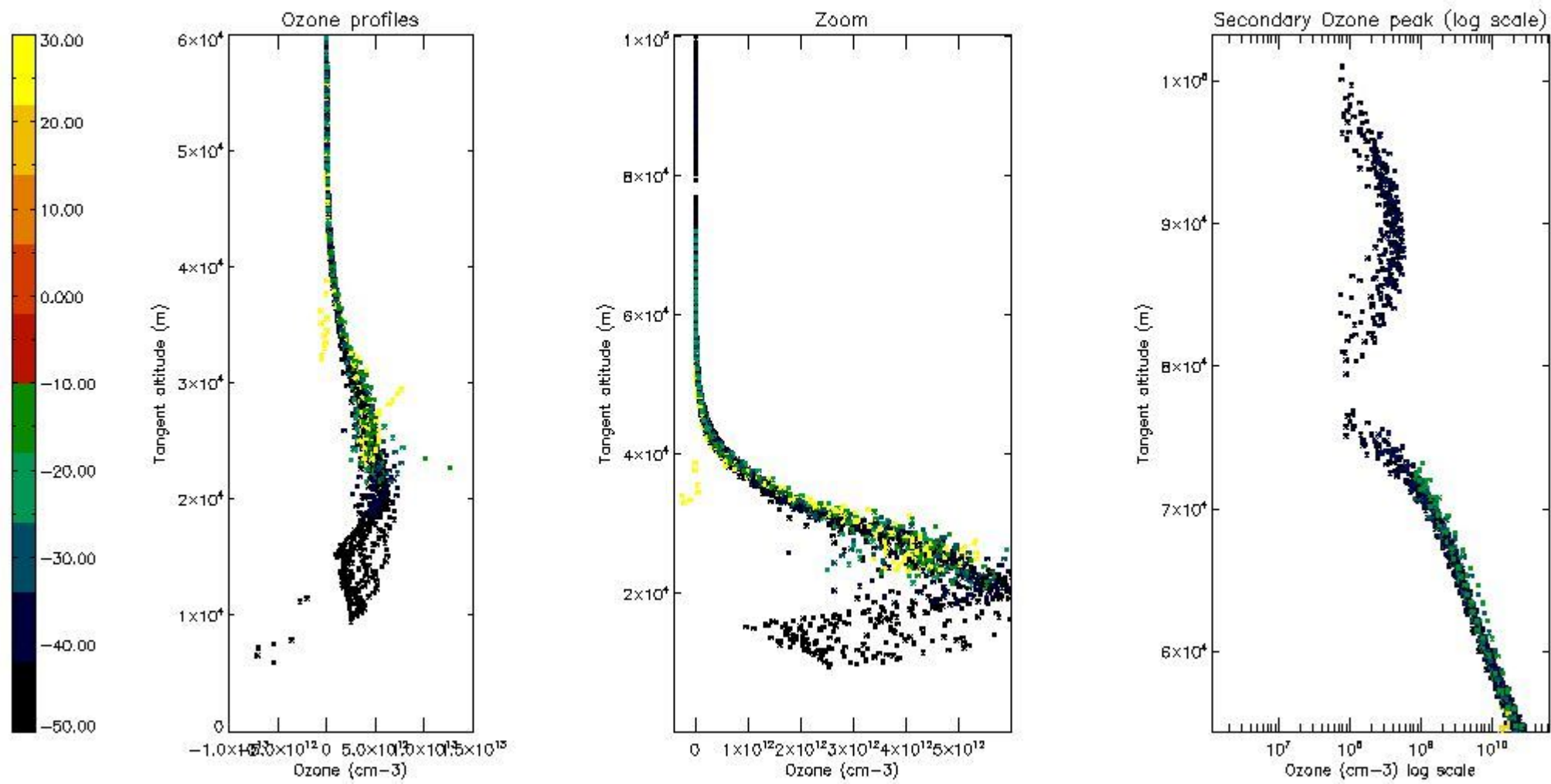
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



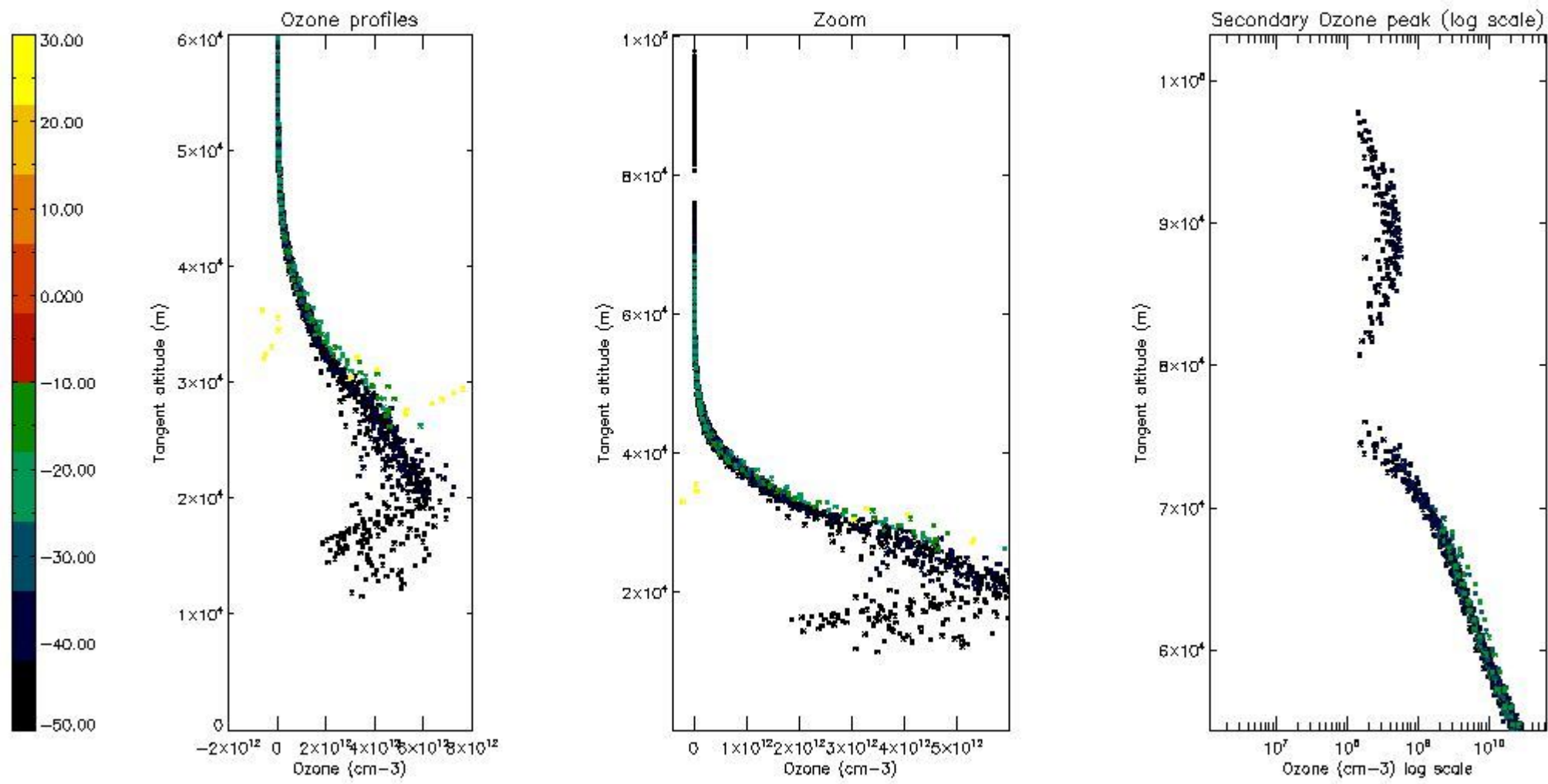
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



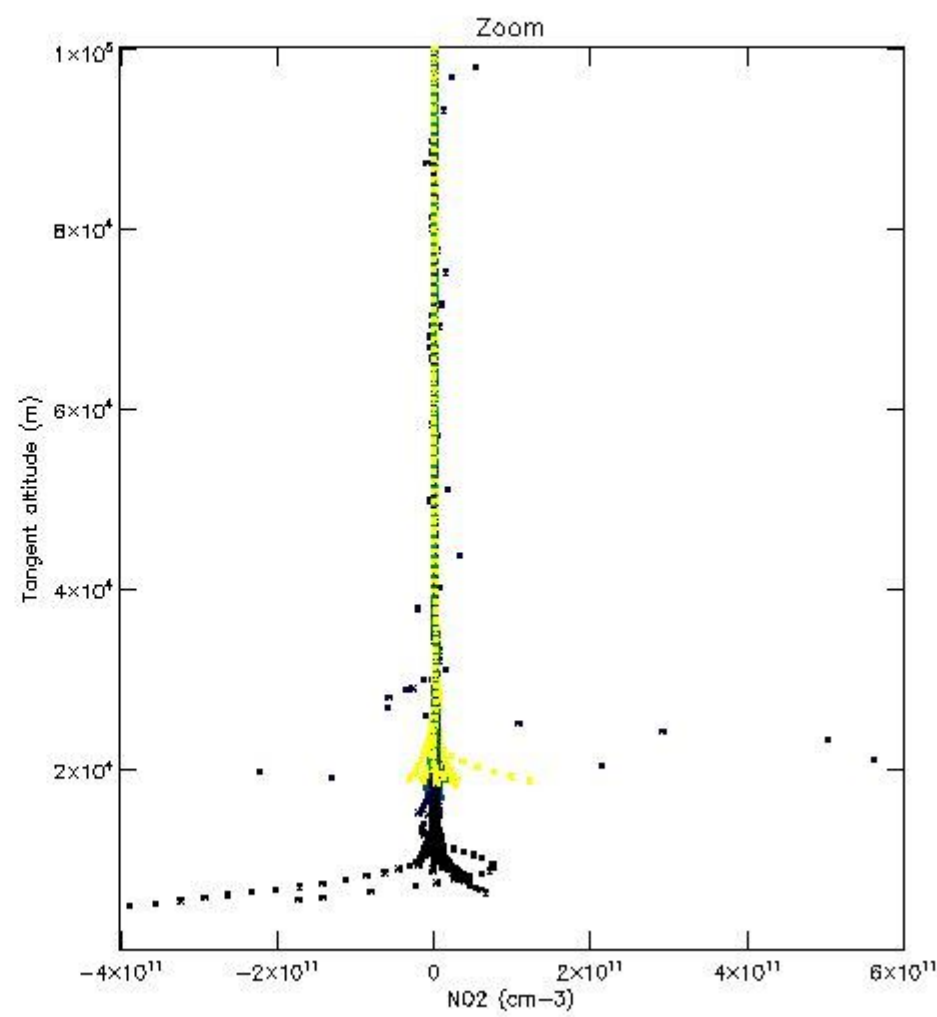
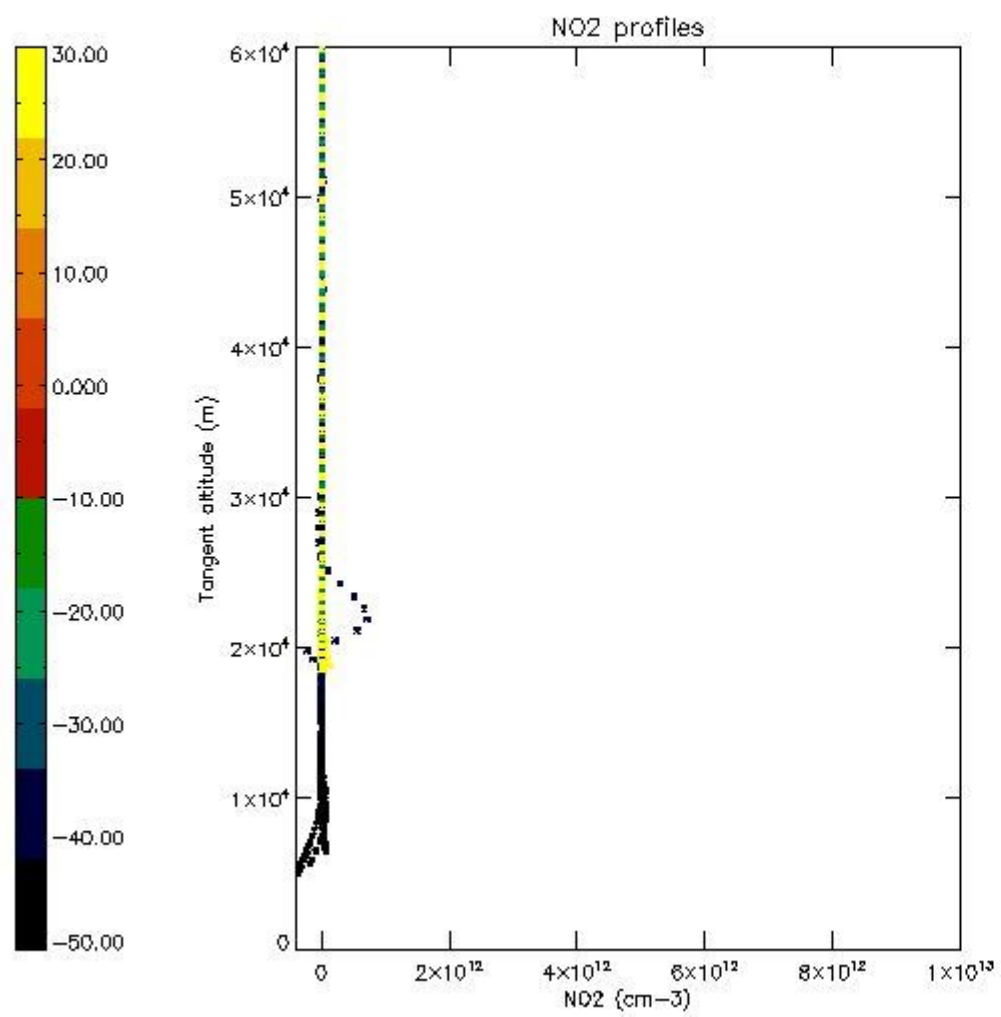
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



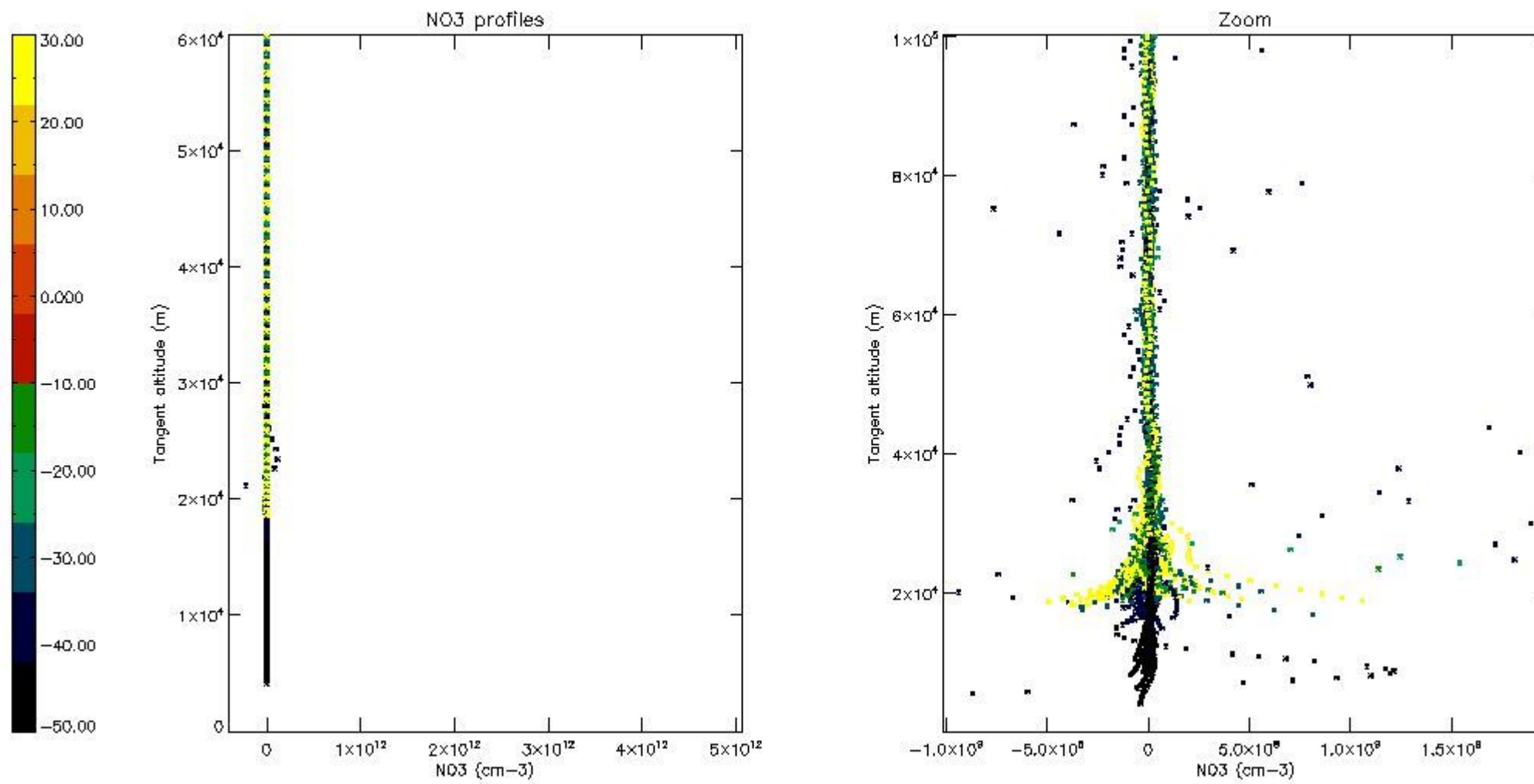
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

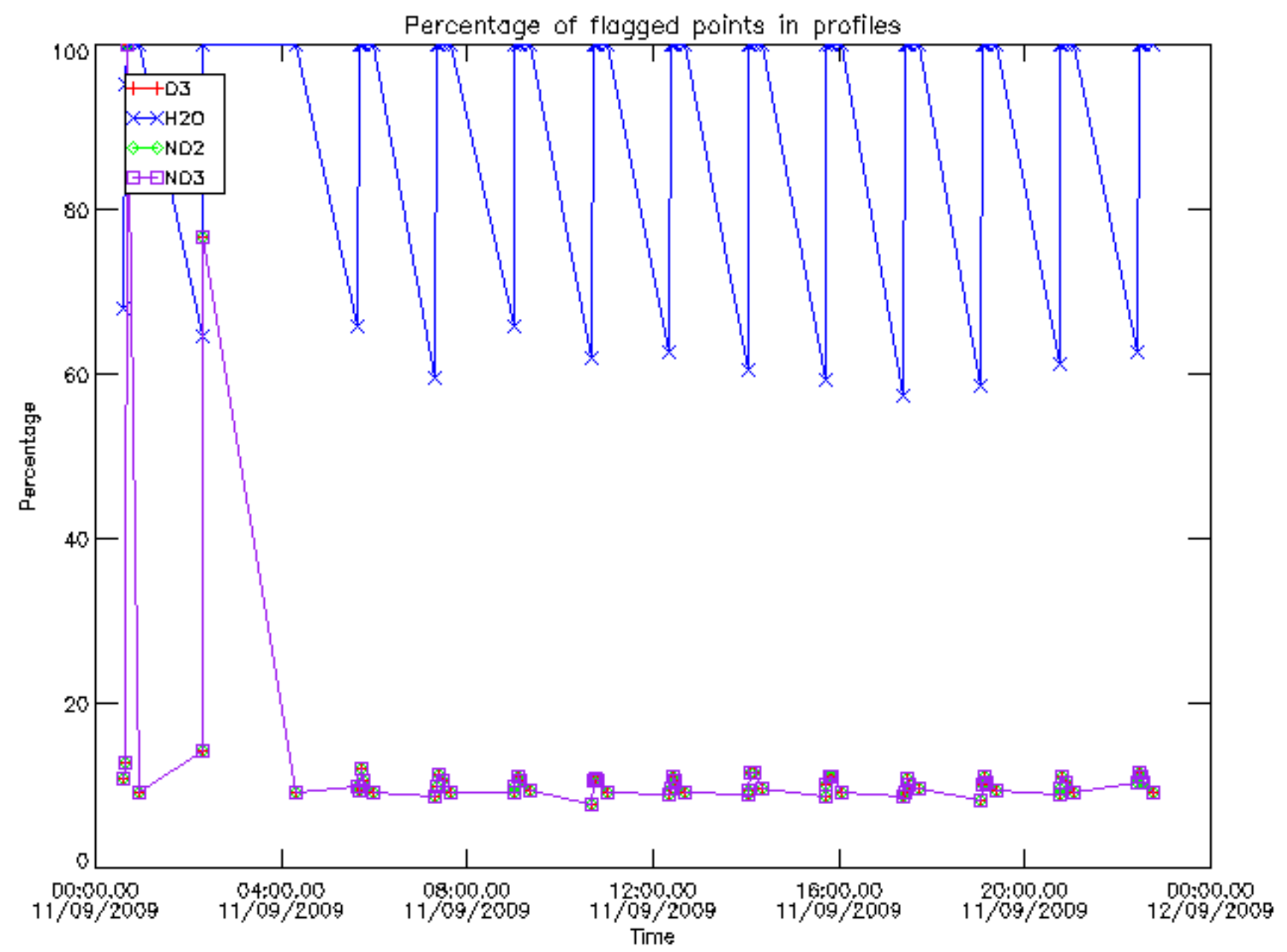
The colorbar represents the latitude.



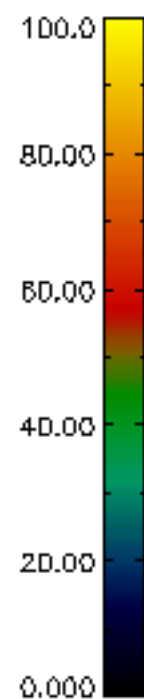
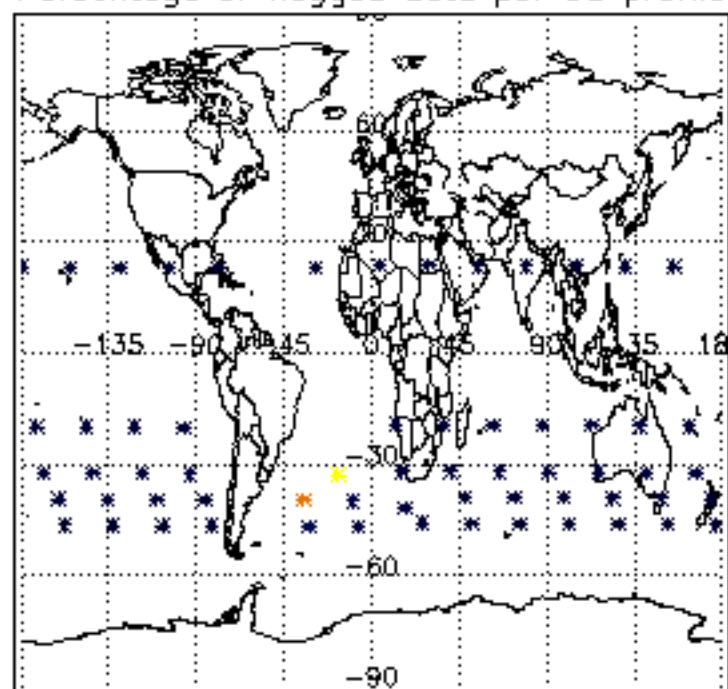
6. Auxiliary Data Files used for the production reported in section 2

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.

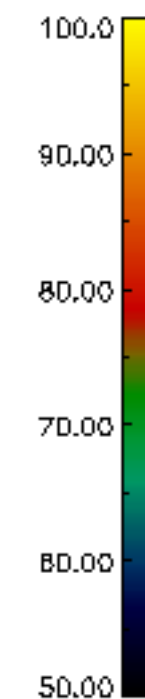
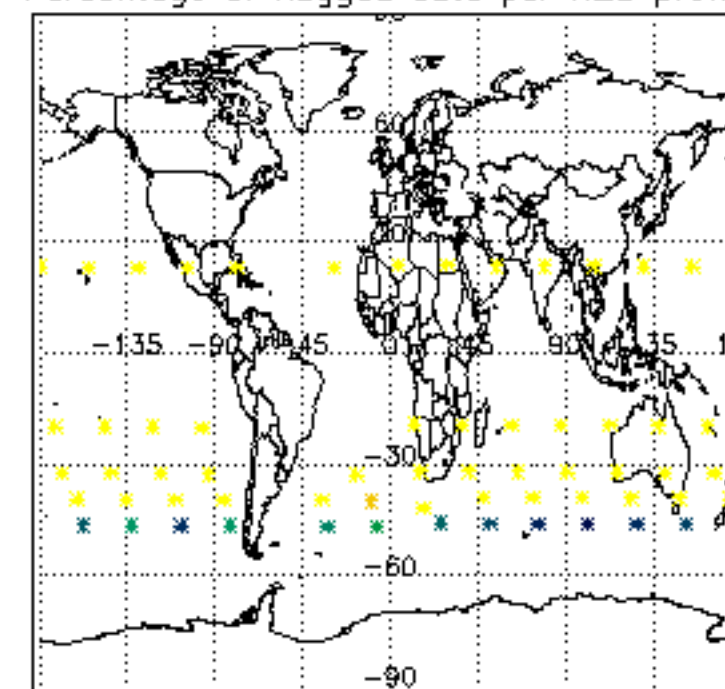
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	11-SEP-2009 00:15:17
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	11-SEP-2009 00:15:17
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	11-SEP-2009 00:15:17



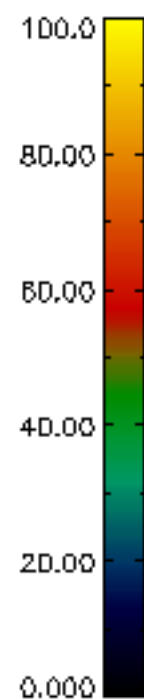
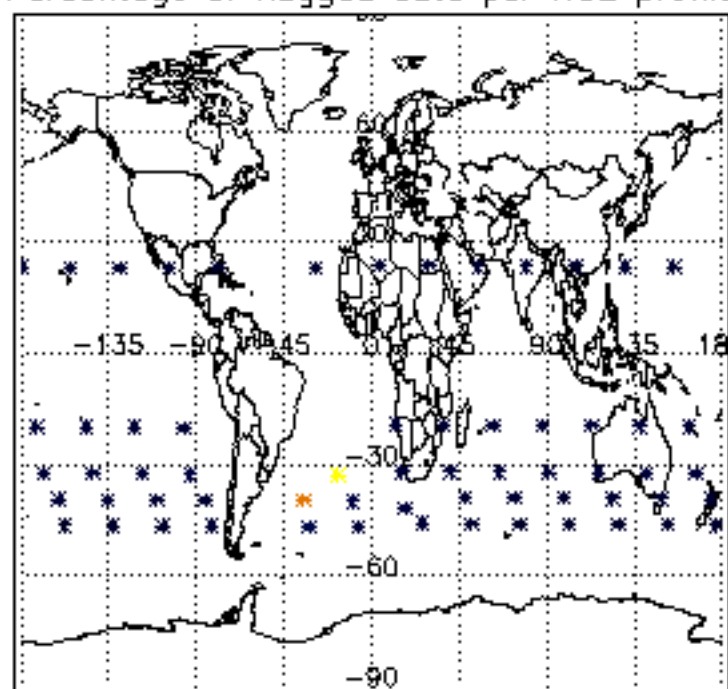
Percentage of flagged data per D3 profile



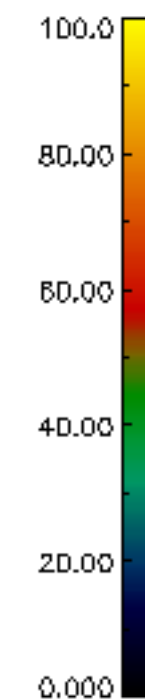
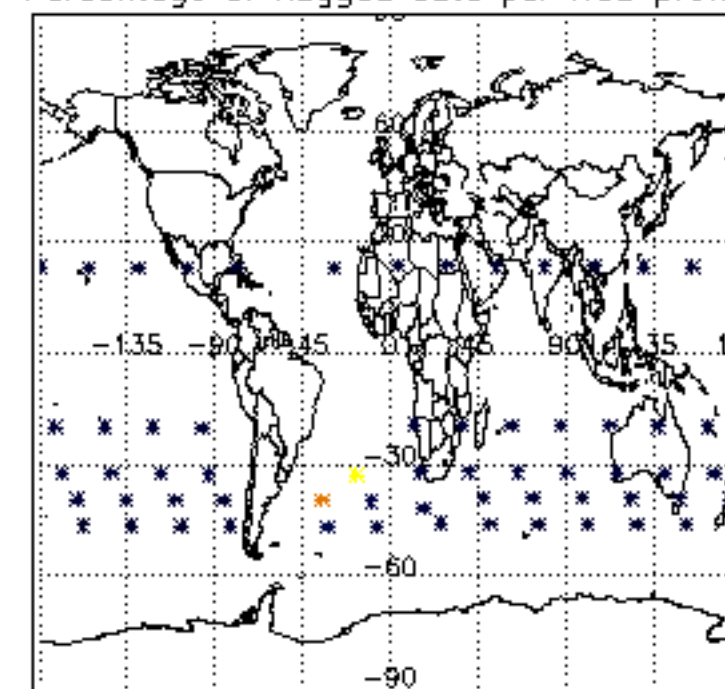
Percentage of flagged data per H2O profile

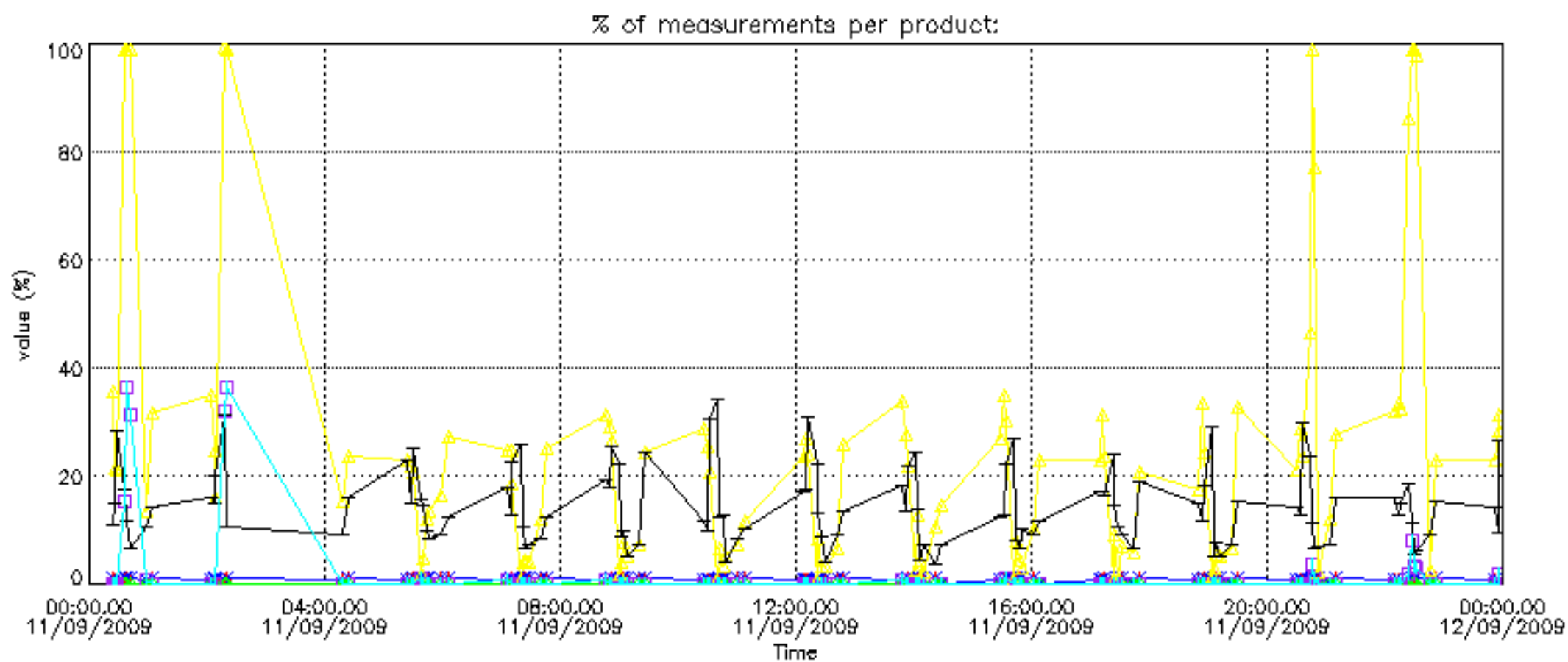


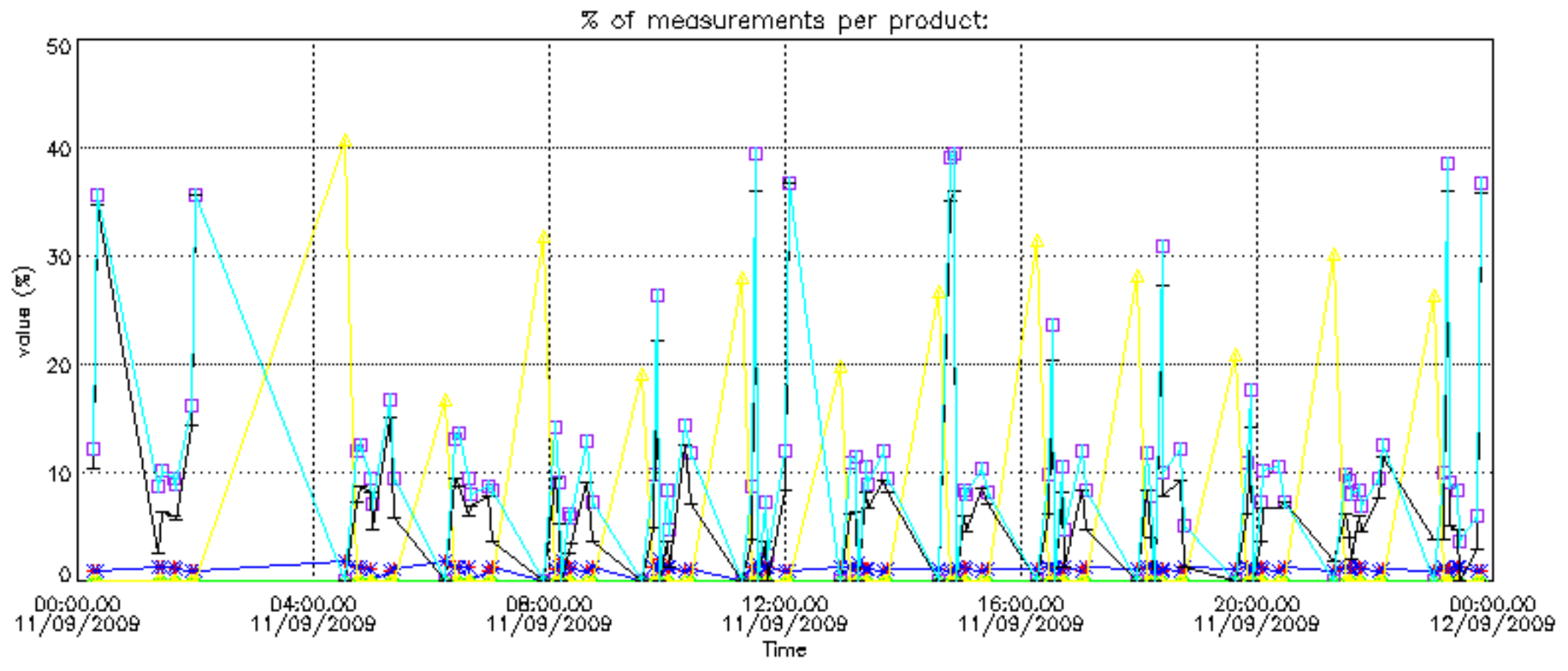
Percentage of flagged data per NO2 profile



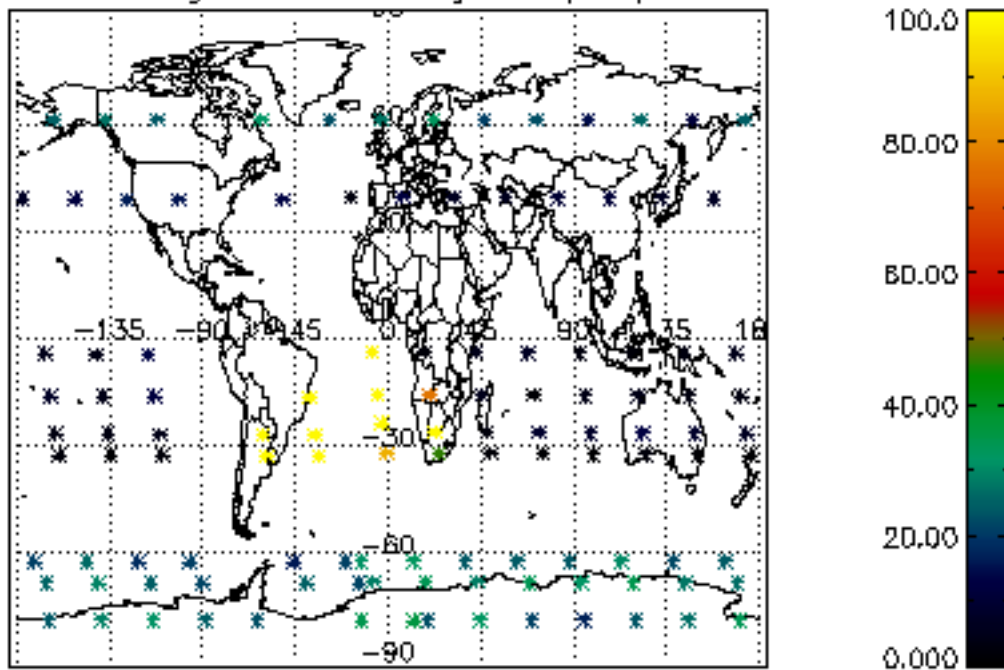
Percentage of flagged data per NO3 profile



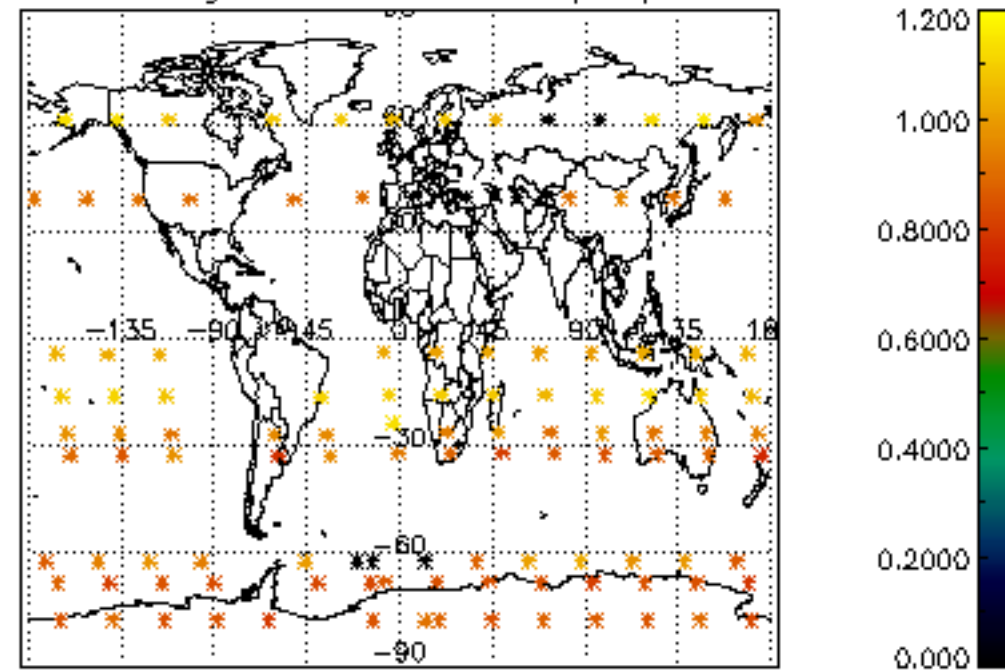




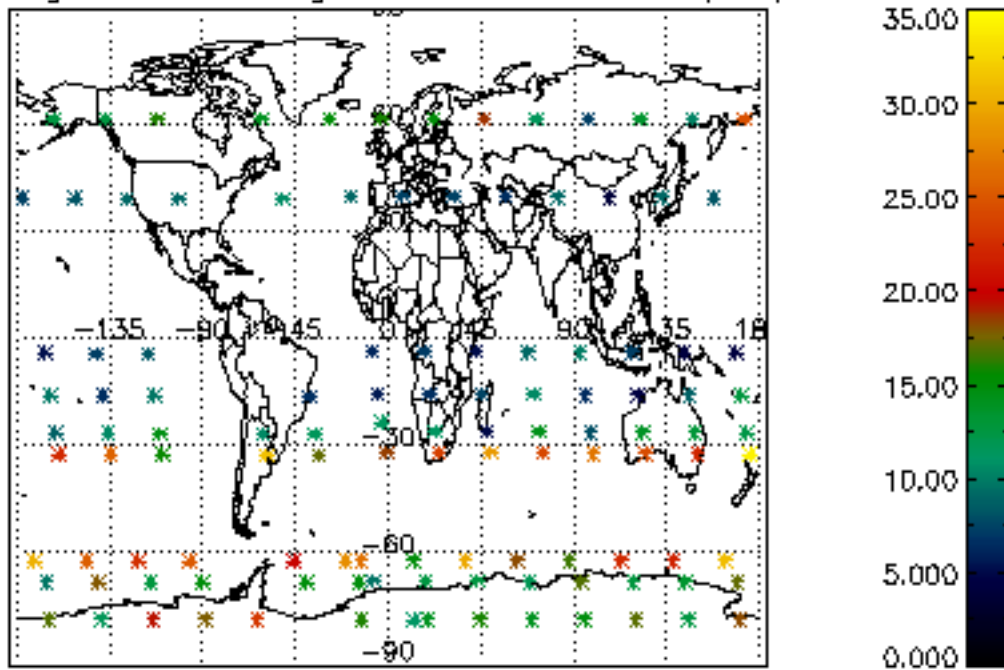
Percentage of cosmic ray hits per profile



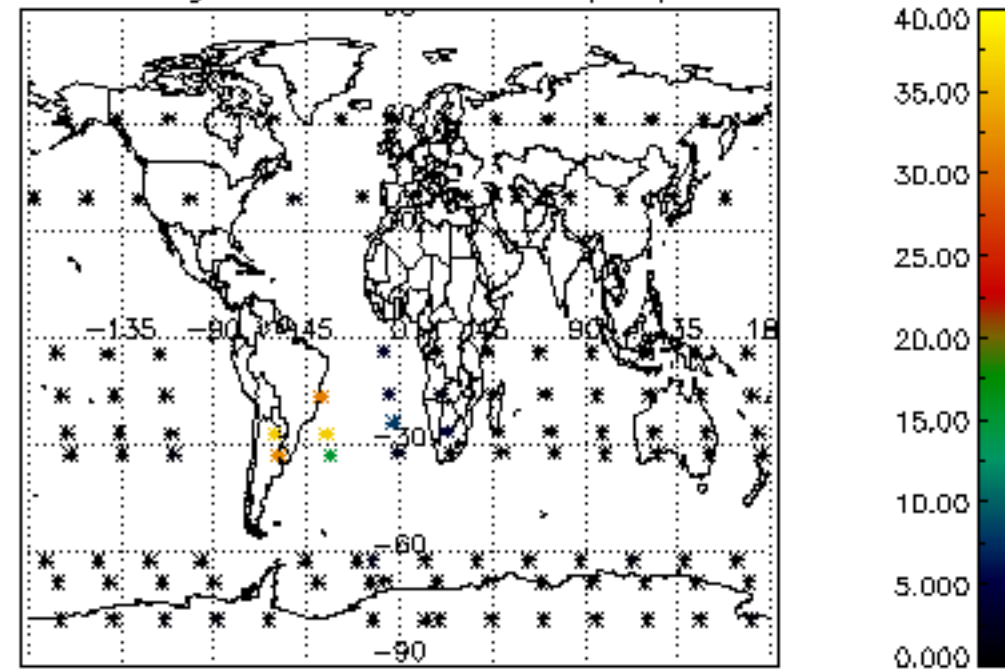
Percentage of datation errors per profile



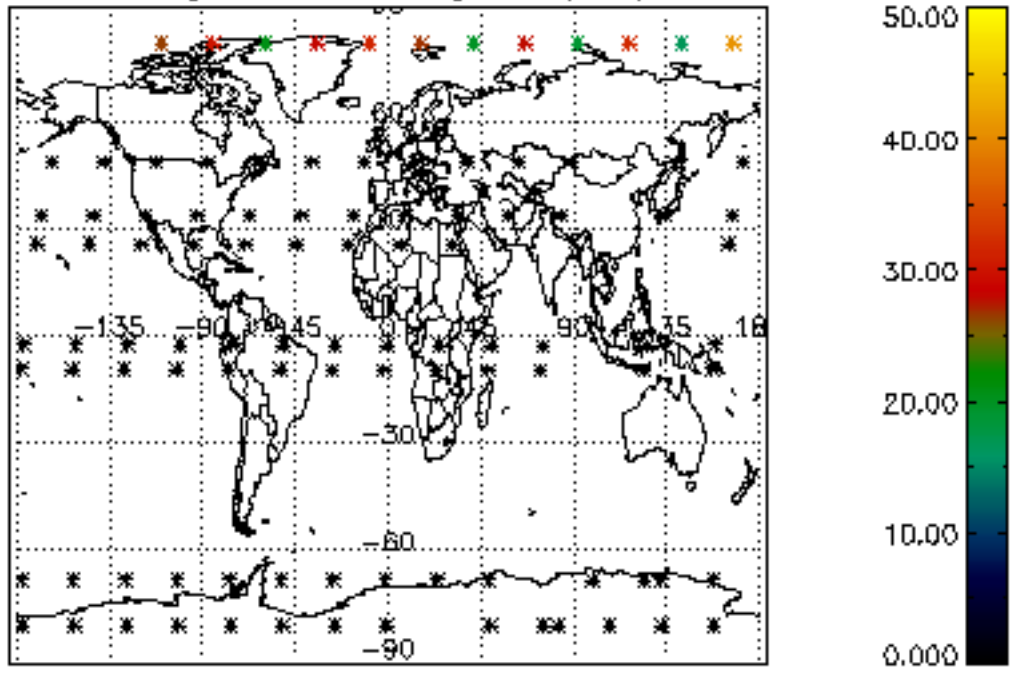
Percentage of star falling outside central band per profile



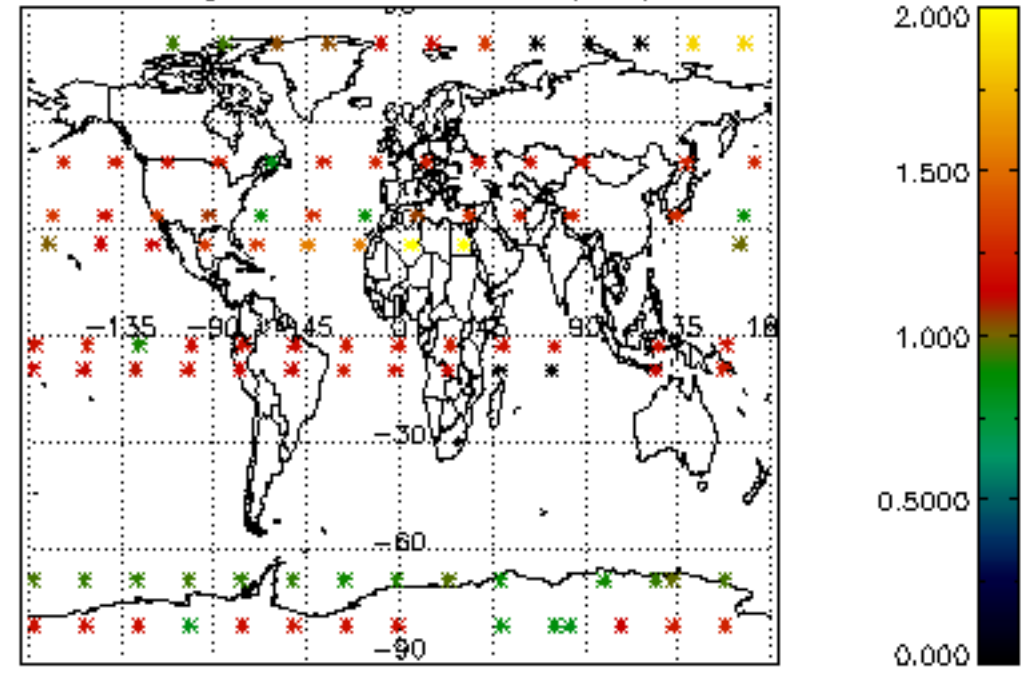
Percentage of saturation errors per profile



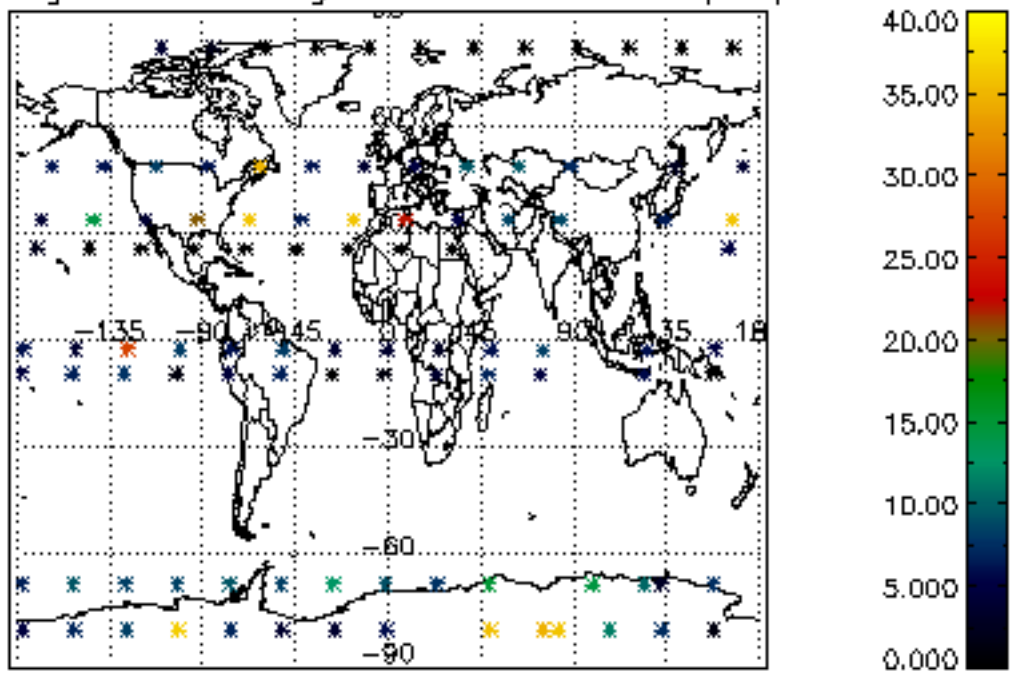
Percentage of cosmic ray hits per profile



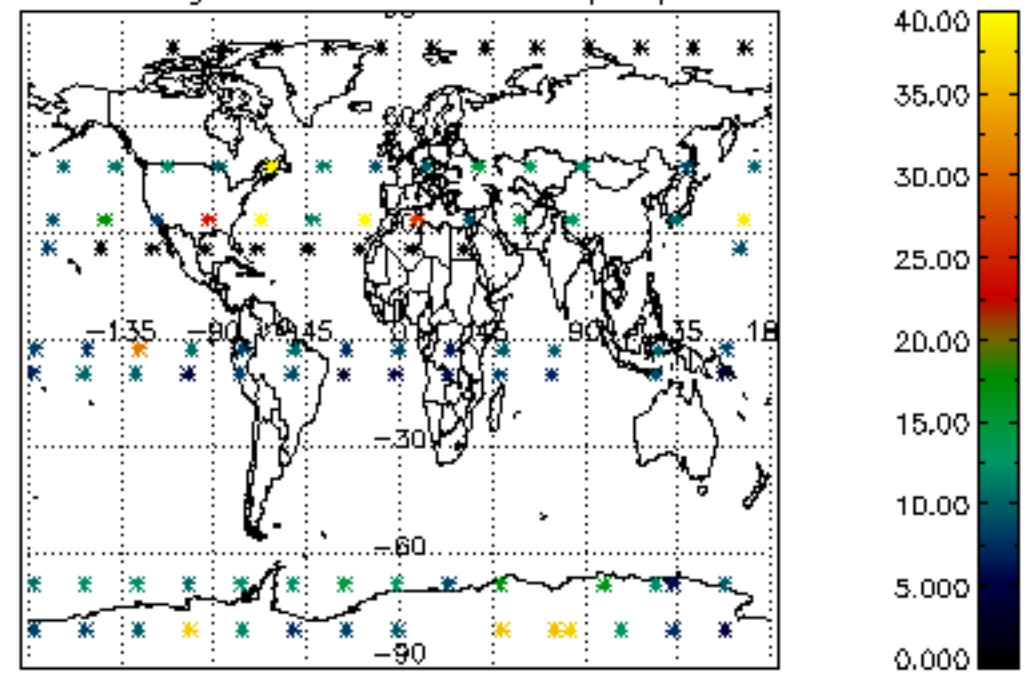
Percentage of datation errors per profile

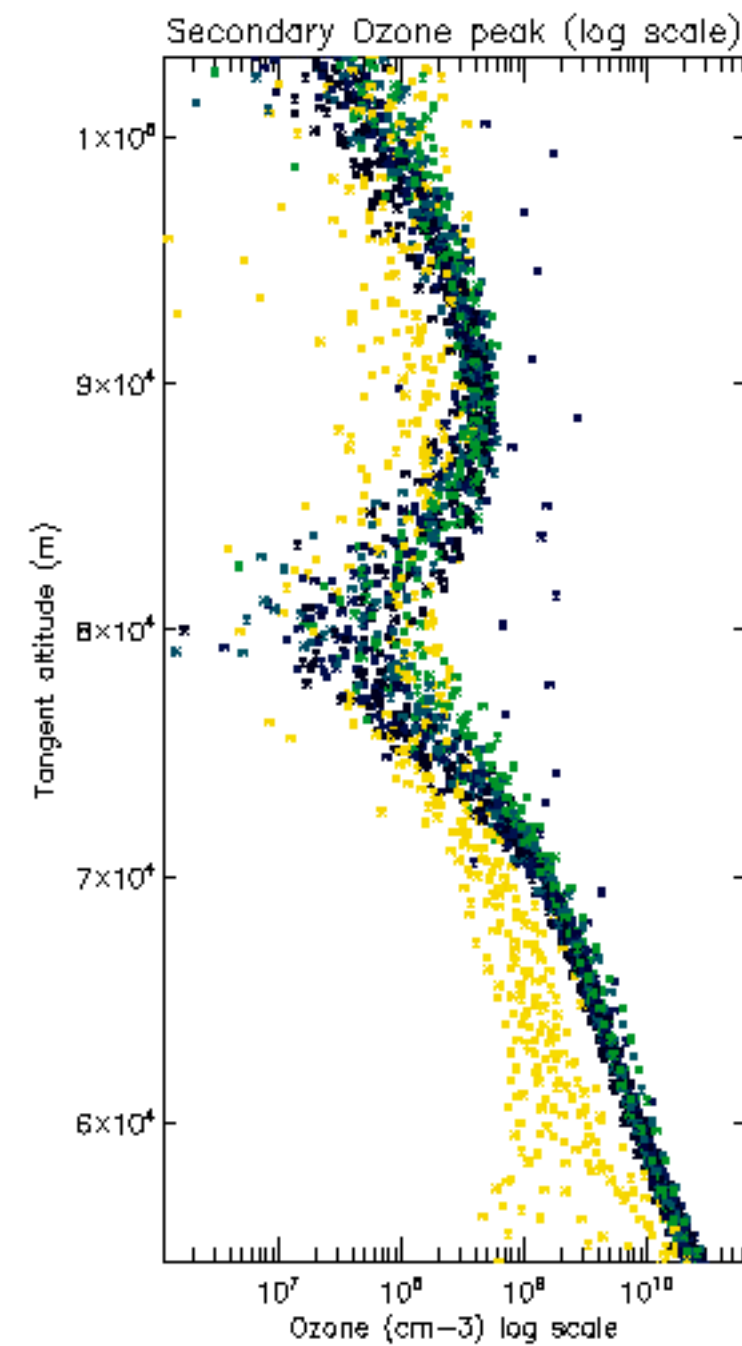
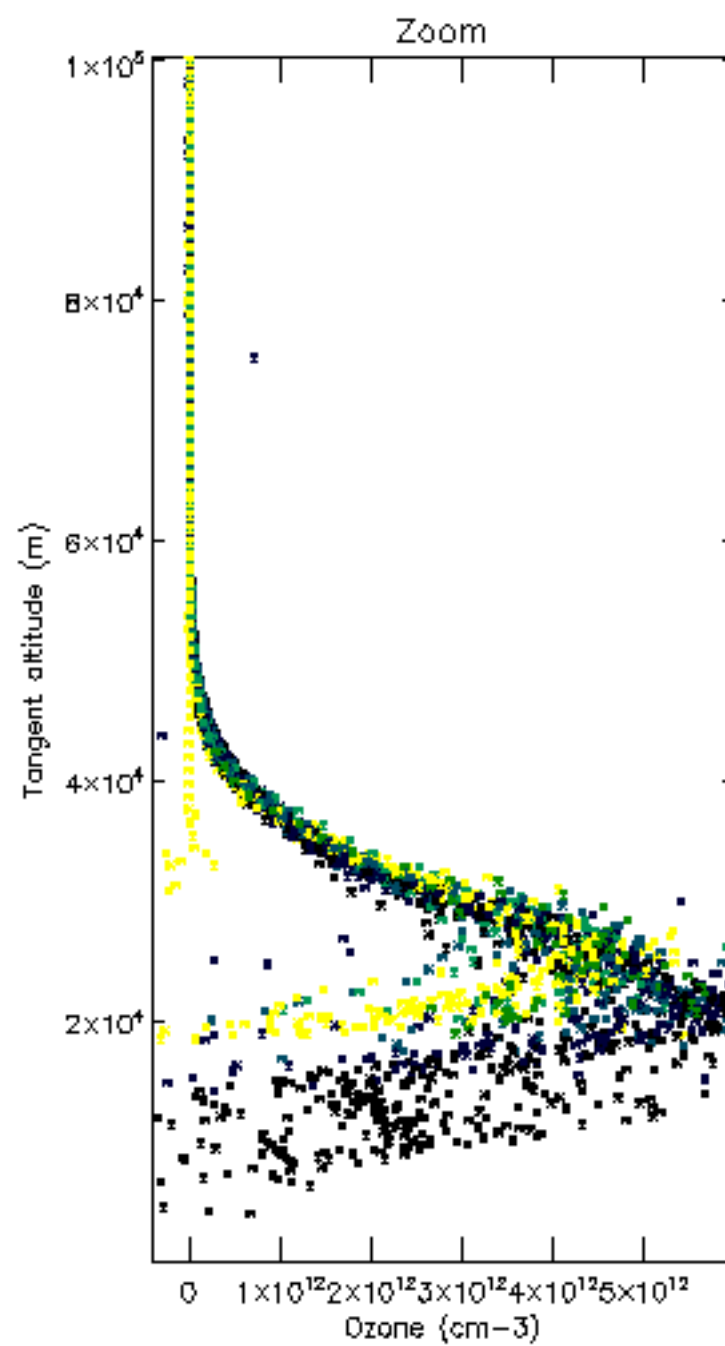
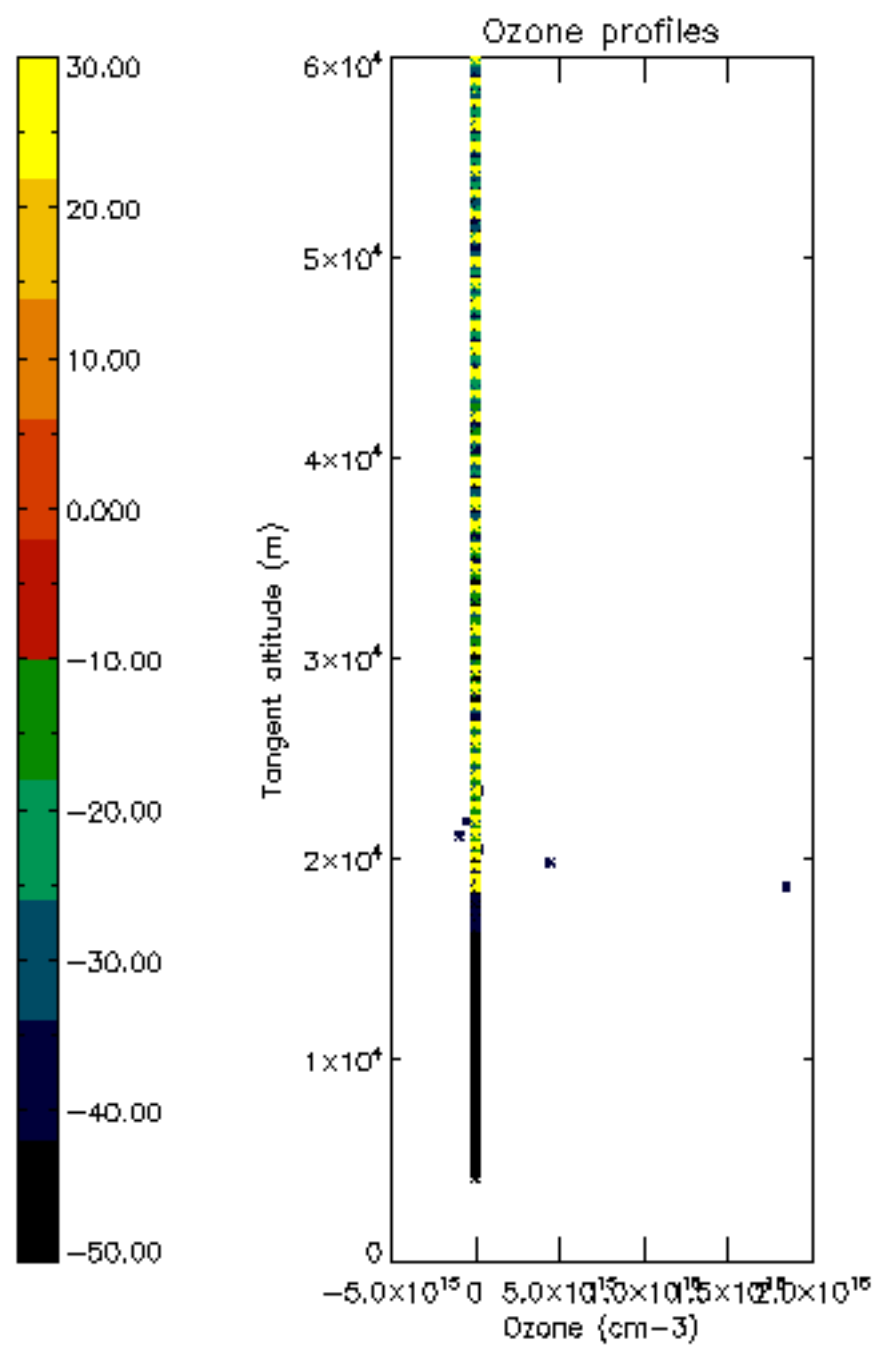


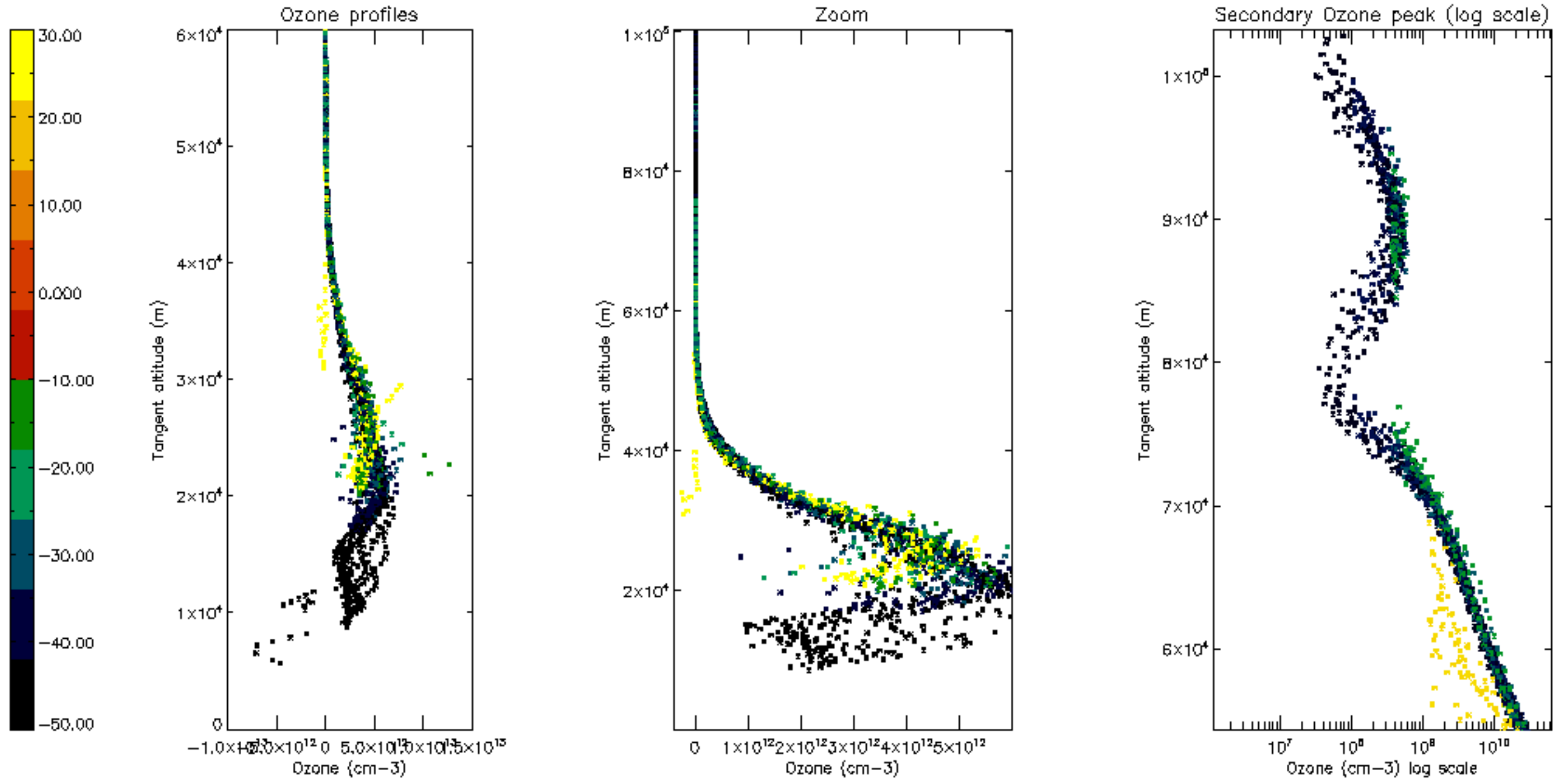
Percentage of star falling outside central band per profile

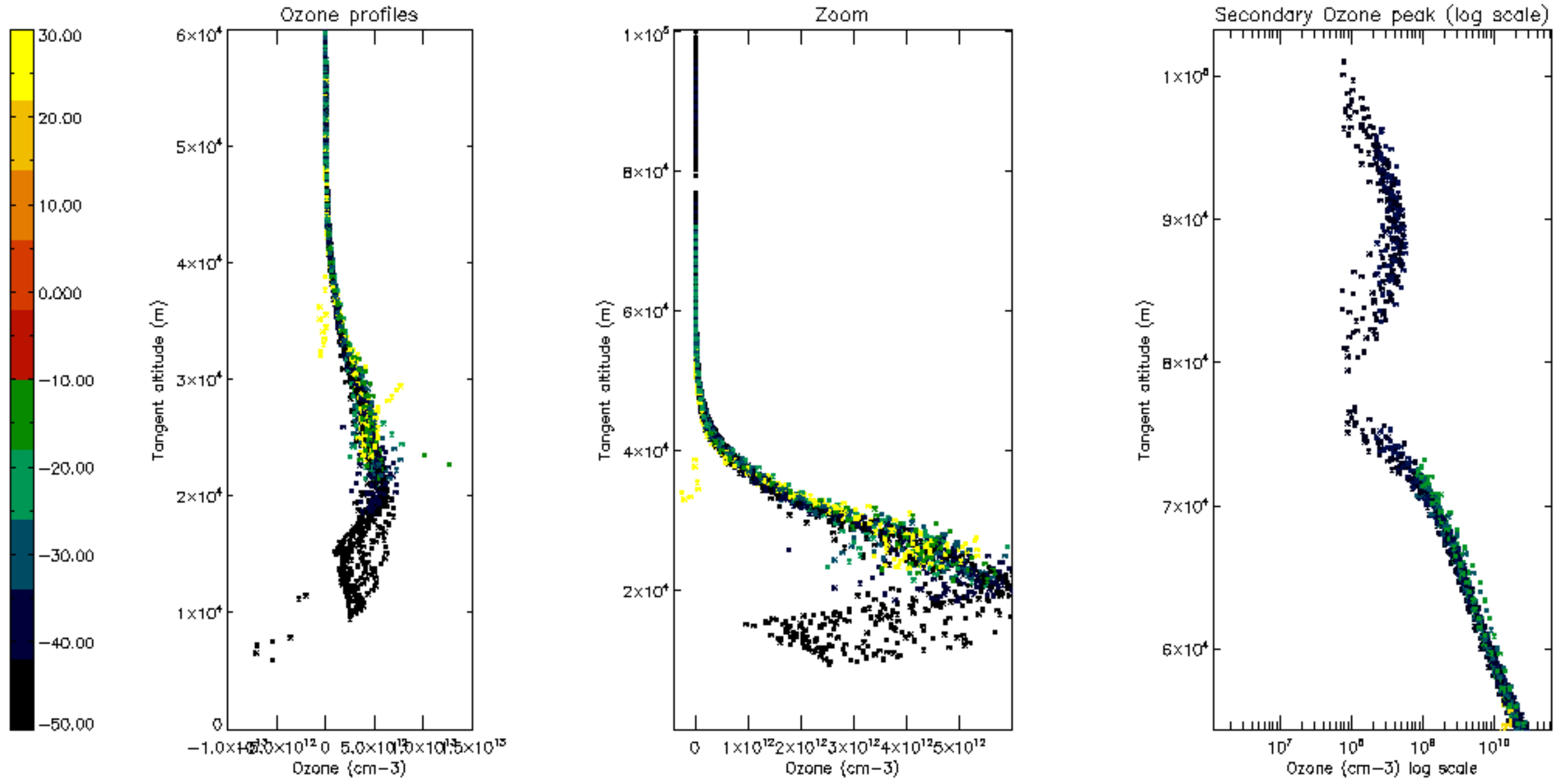


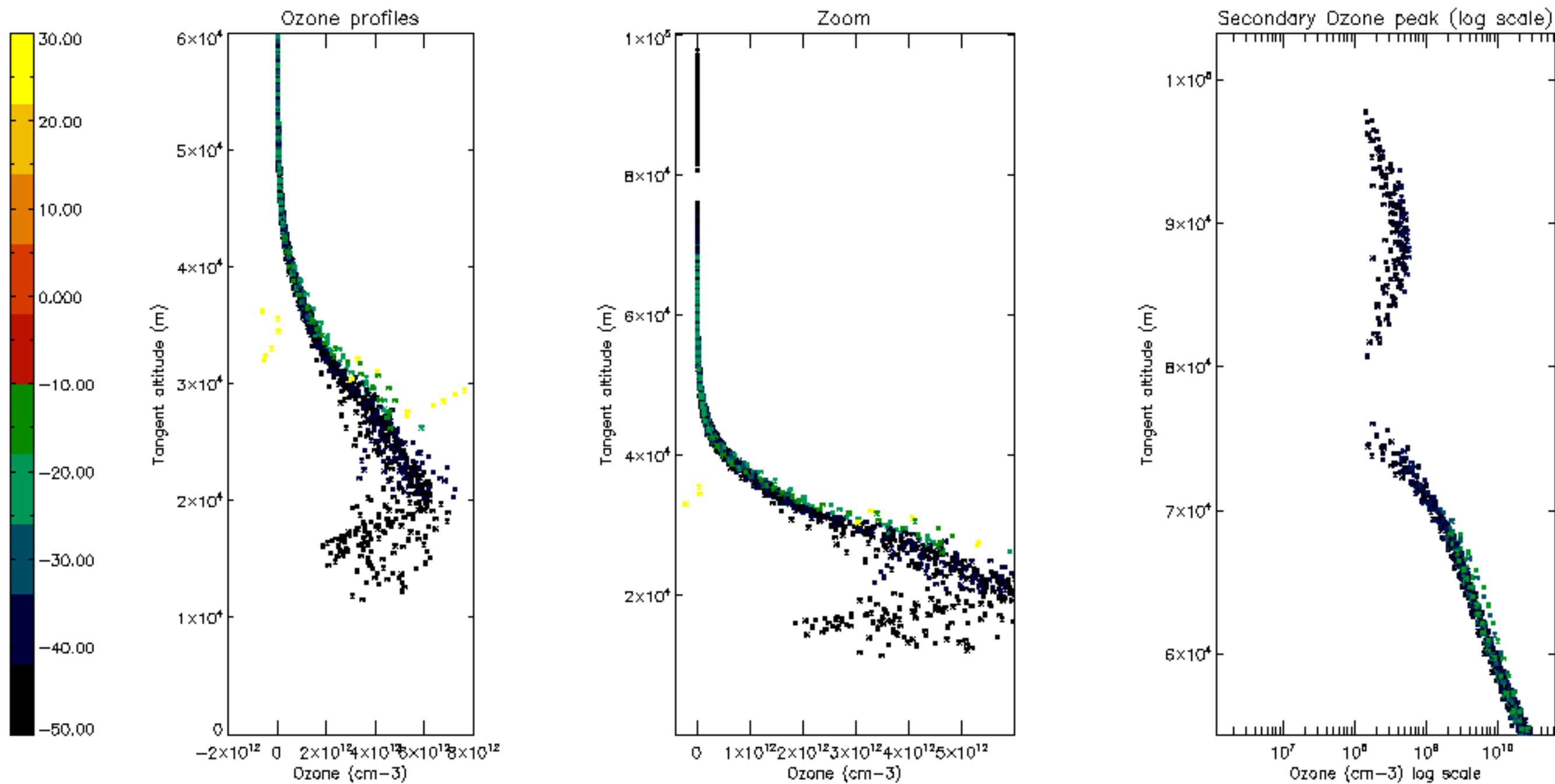
Percentage of saturation errors per profile

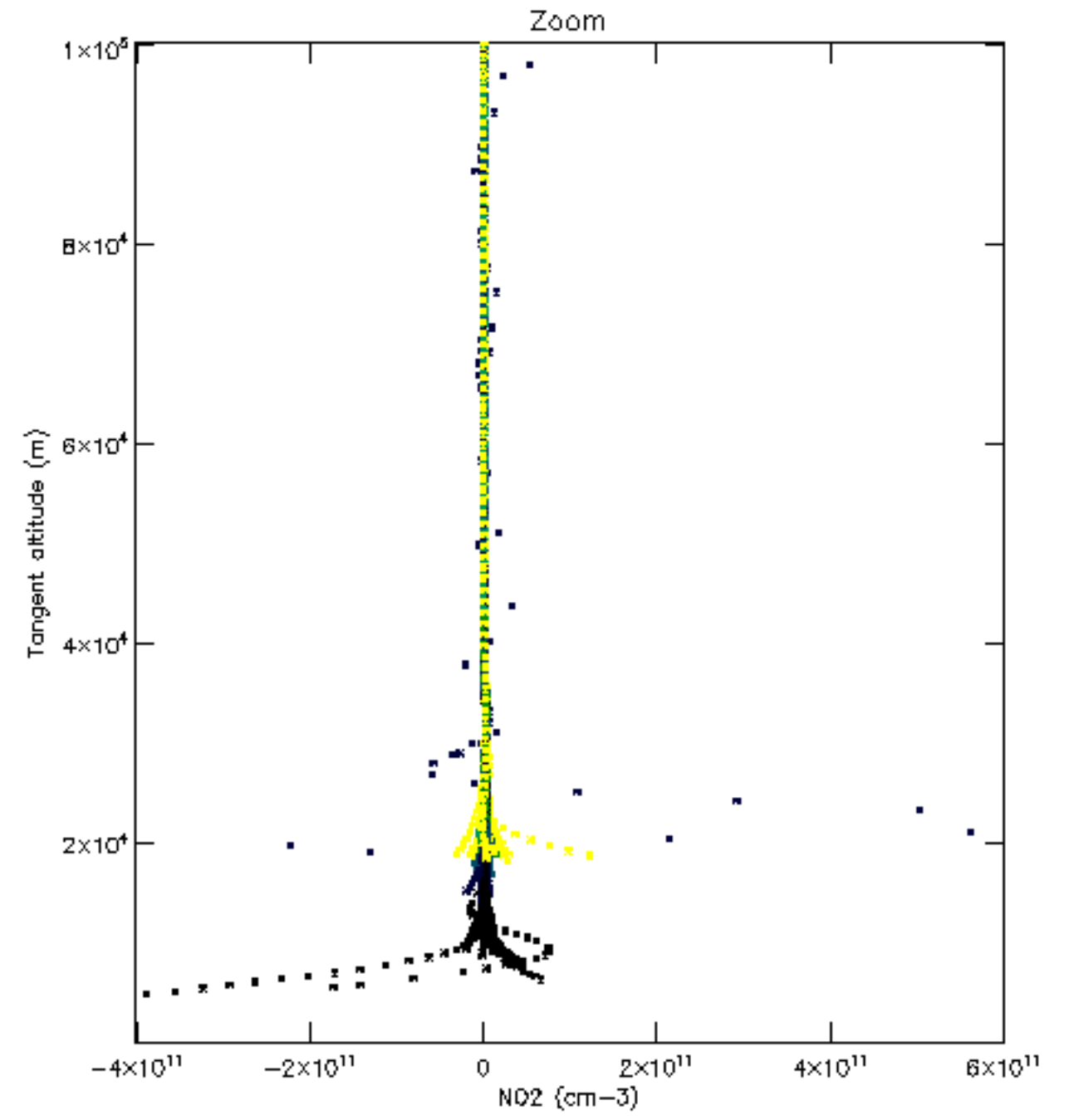
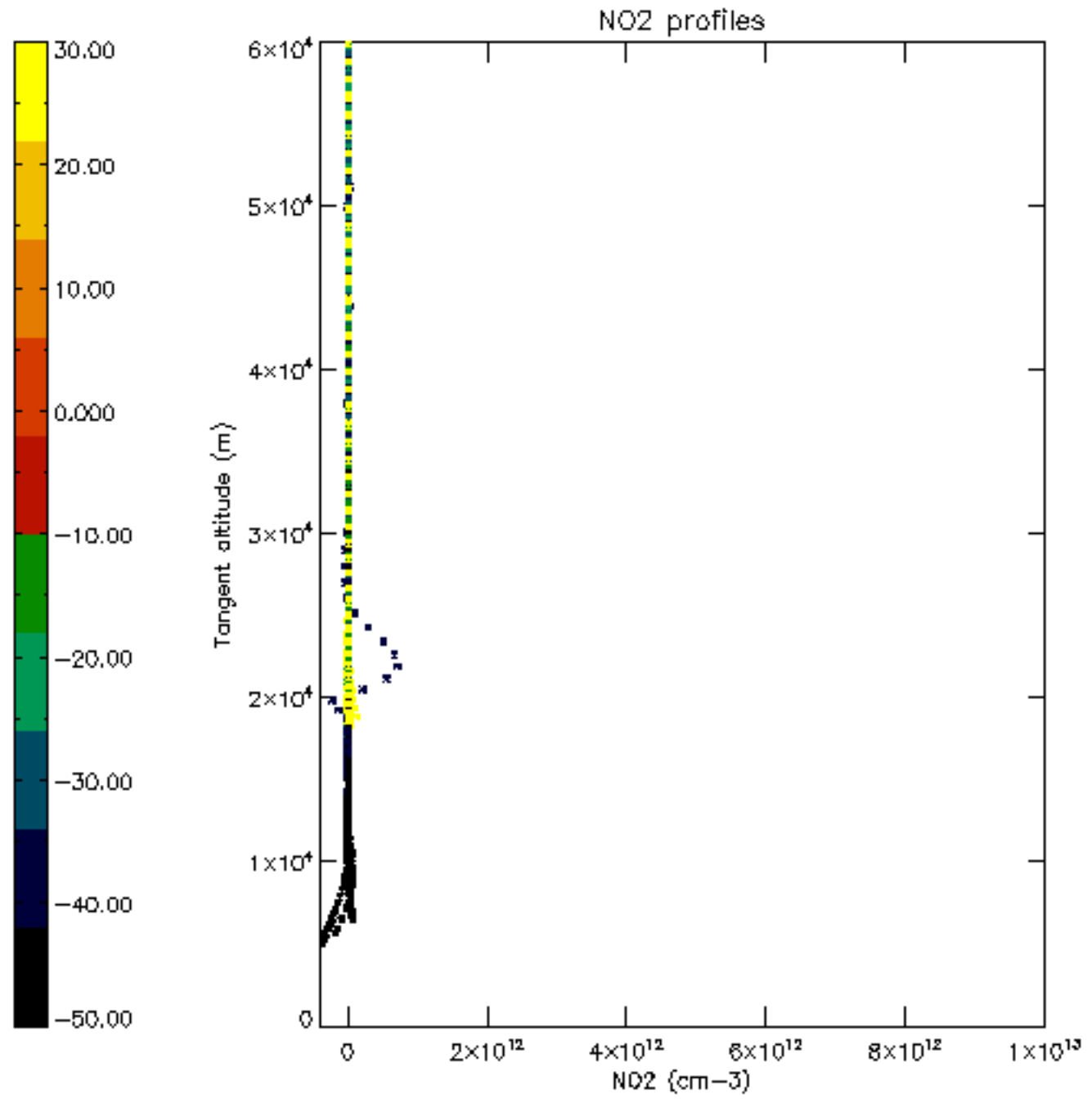


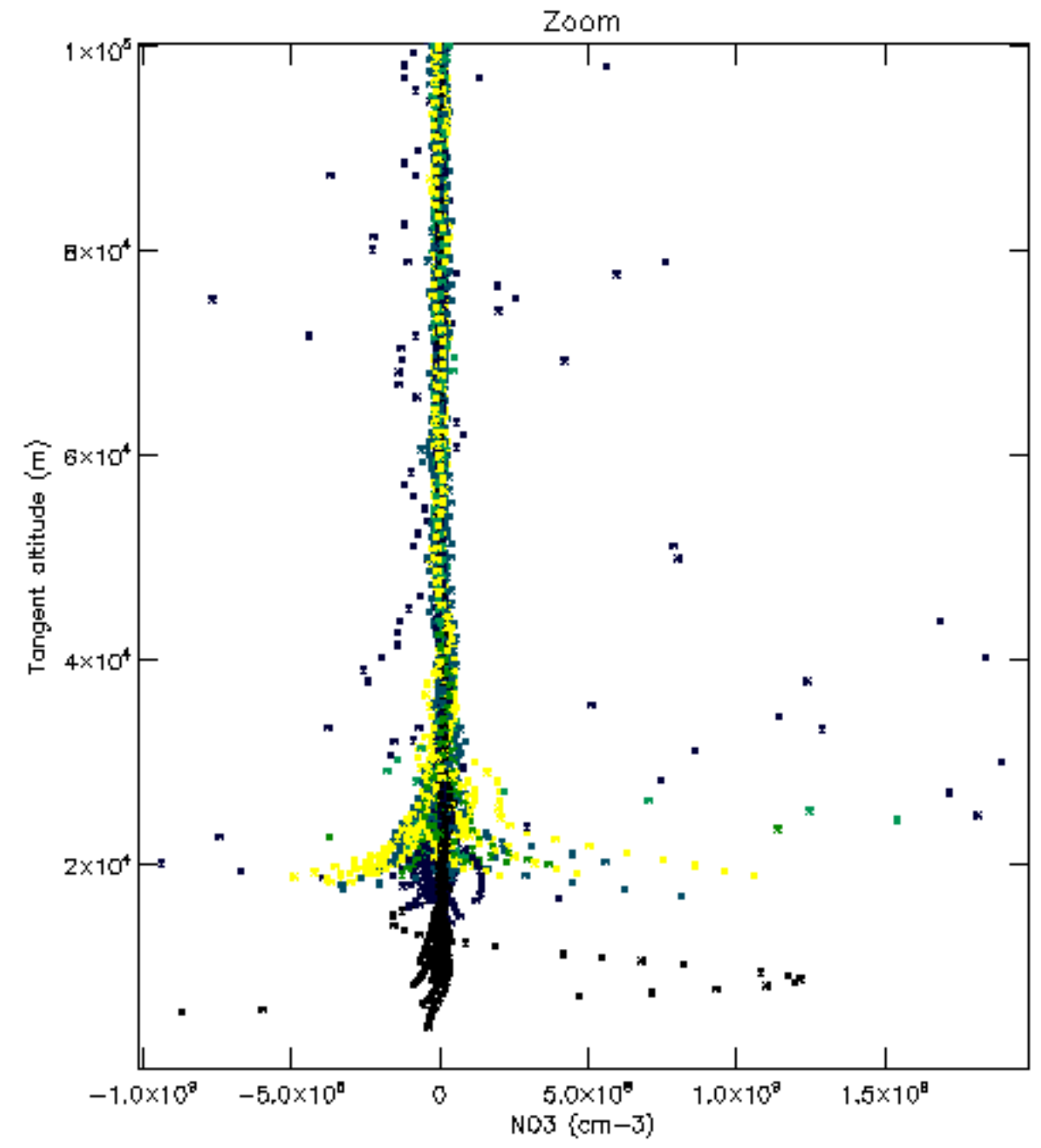
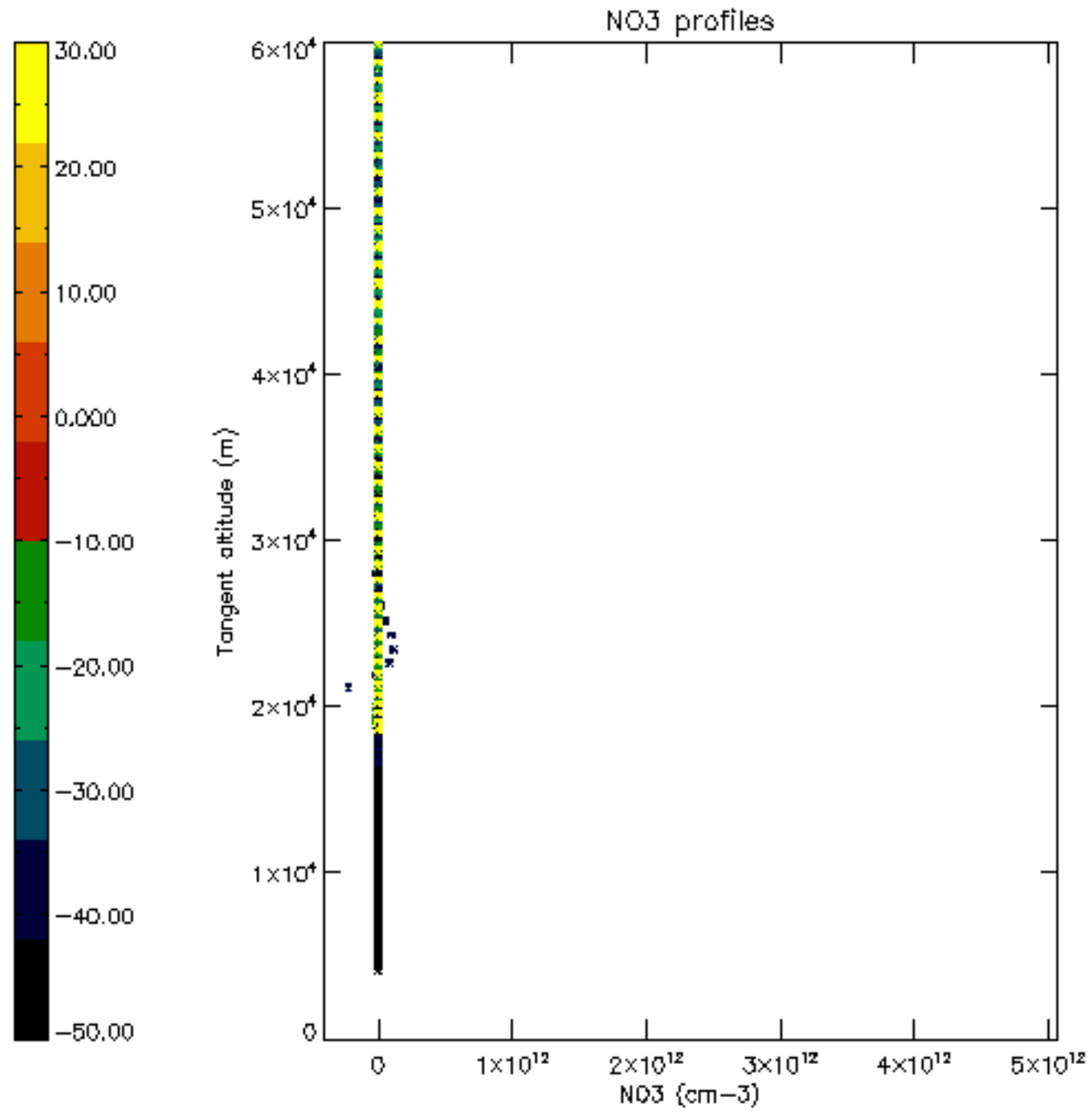


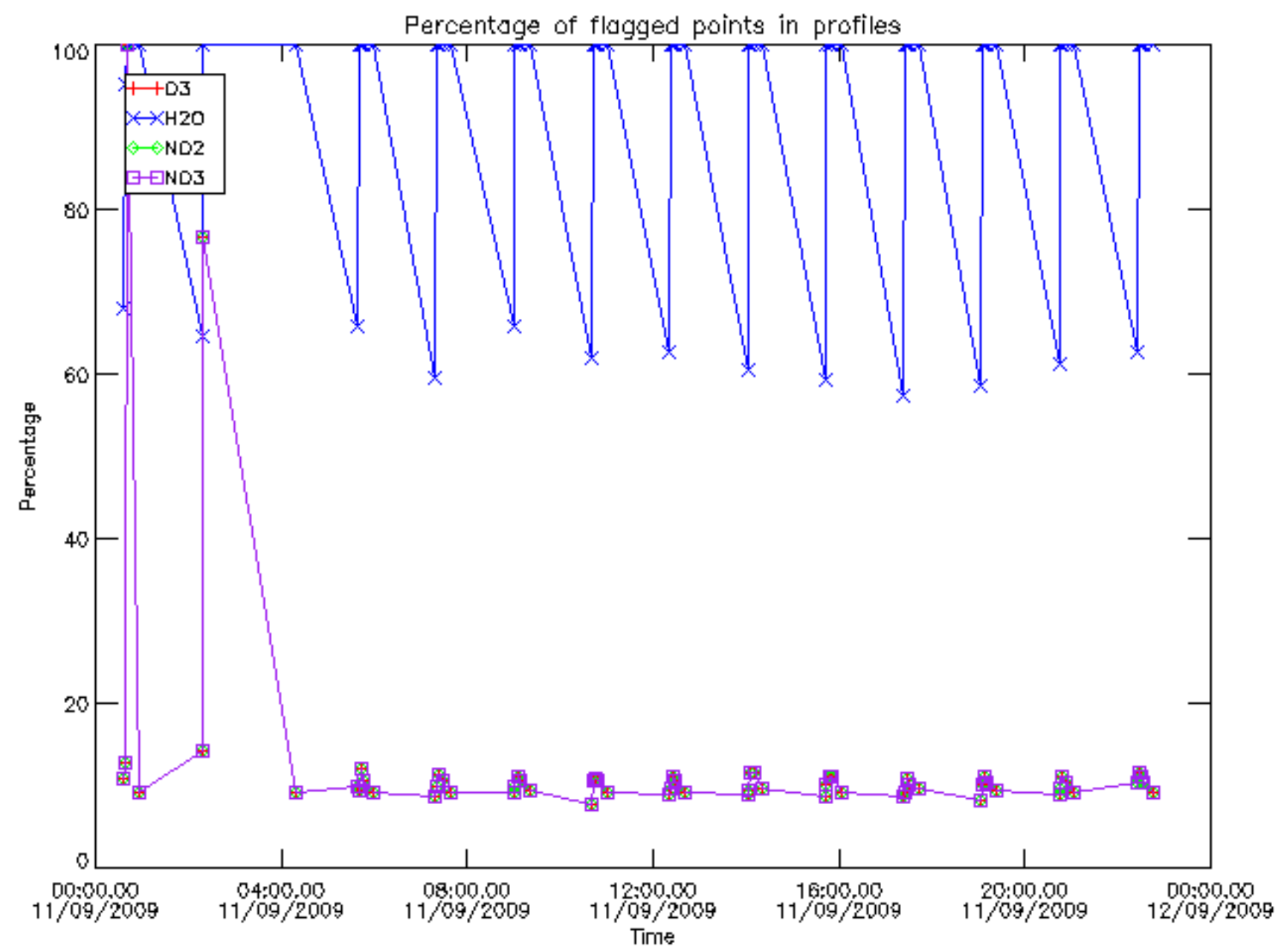




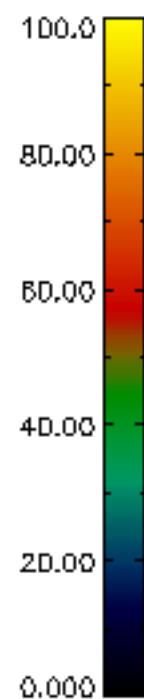
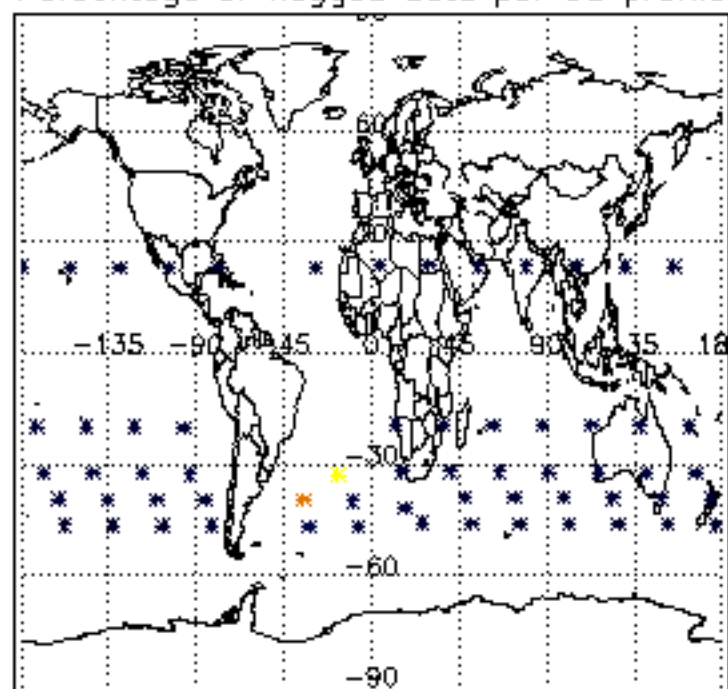




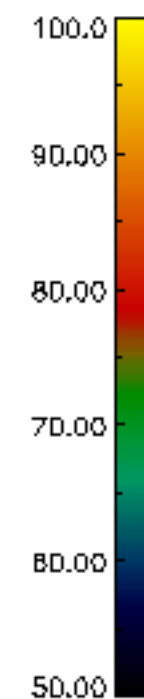
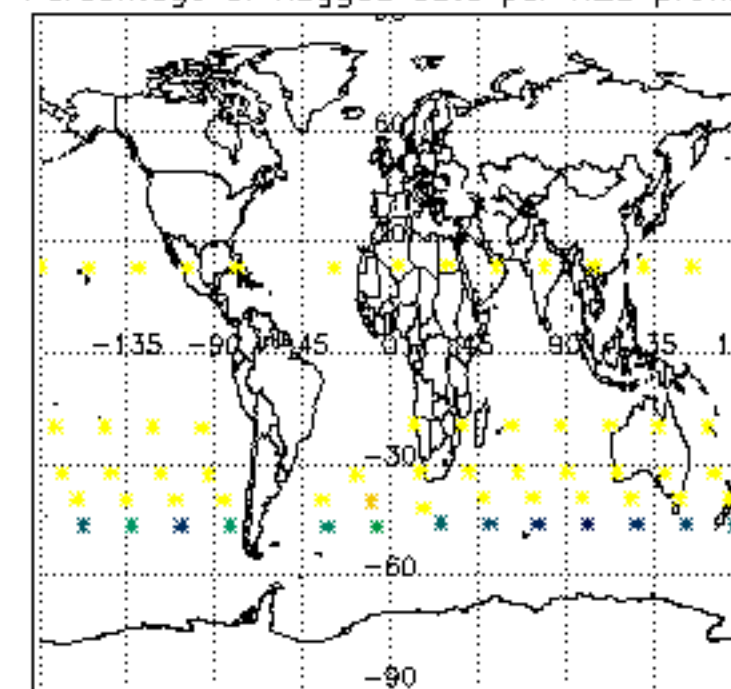




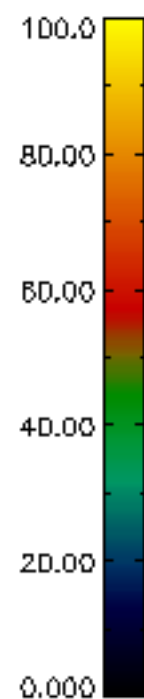
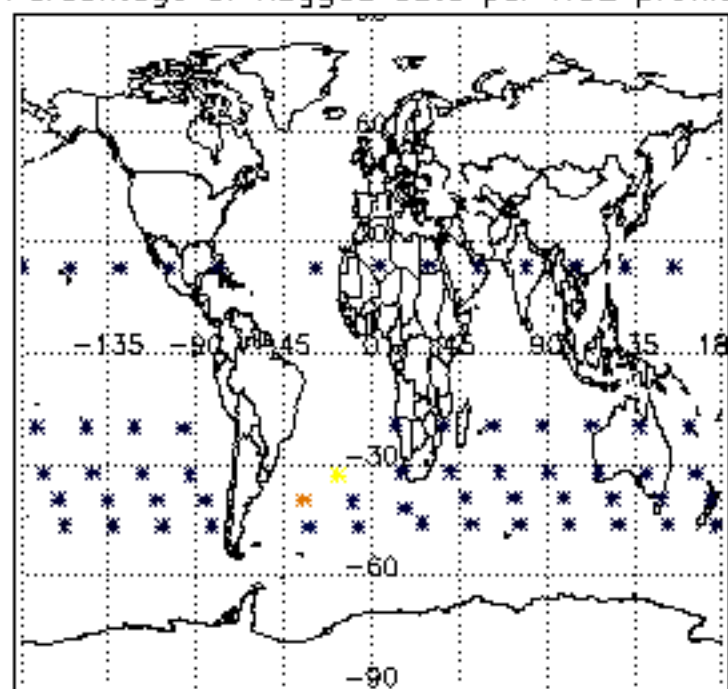
Percentage of flagged data per D3 profile



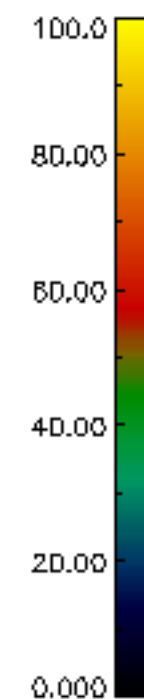
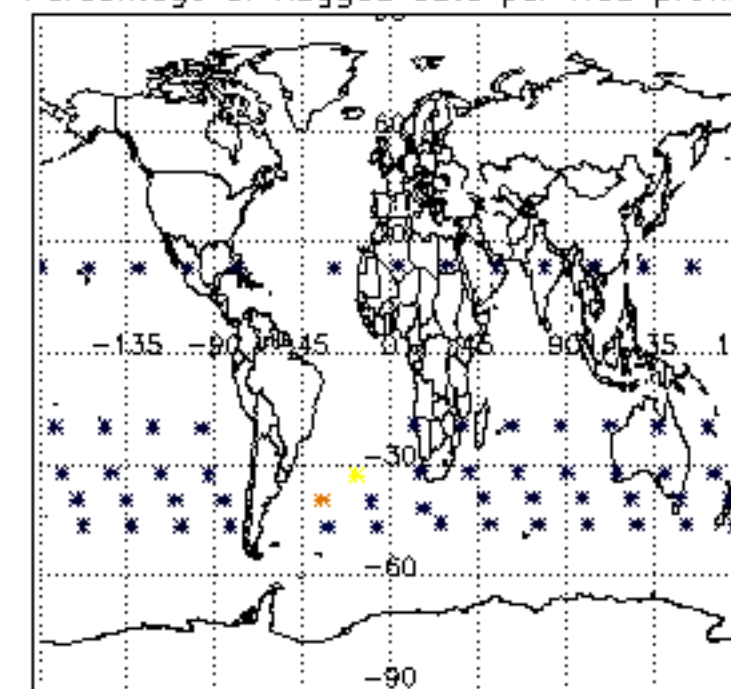
Percentage of flagged data per H2O profile

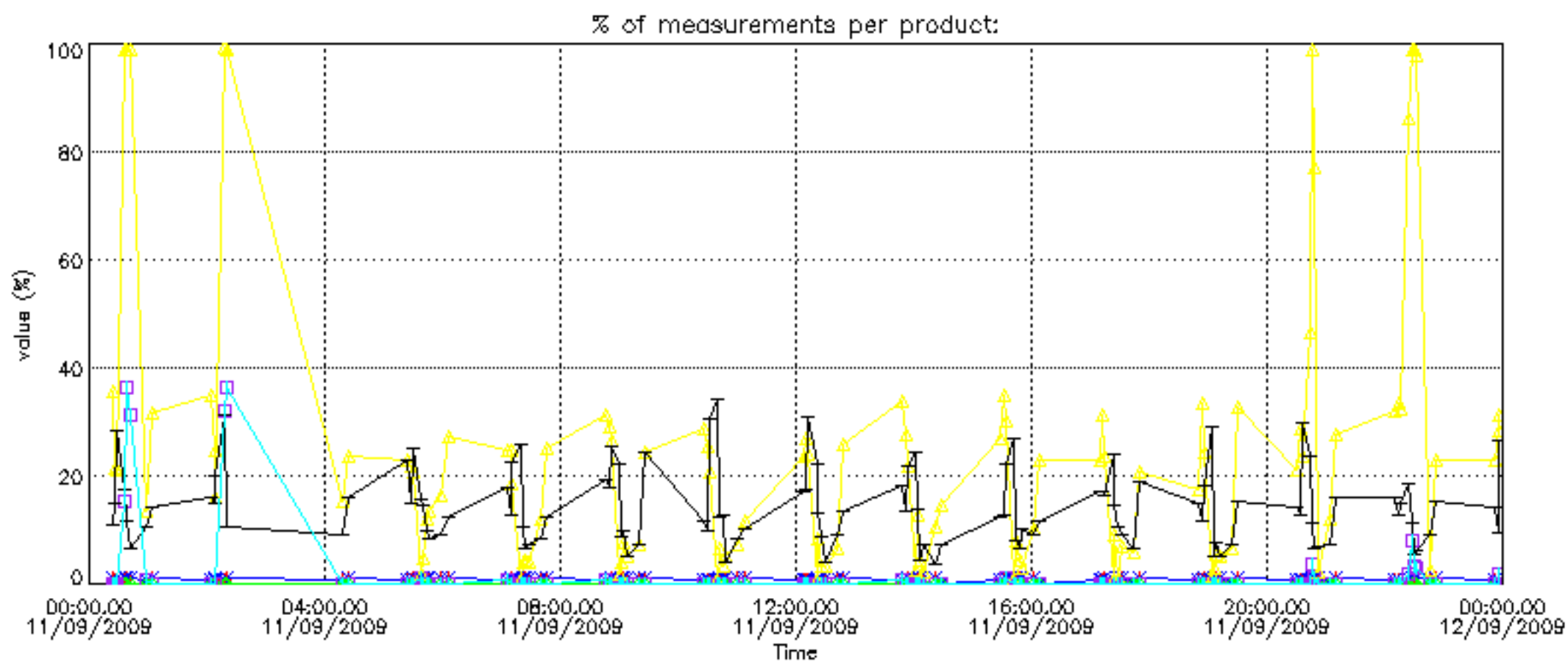


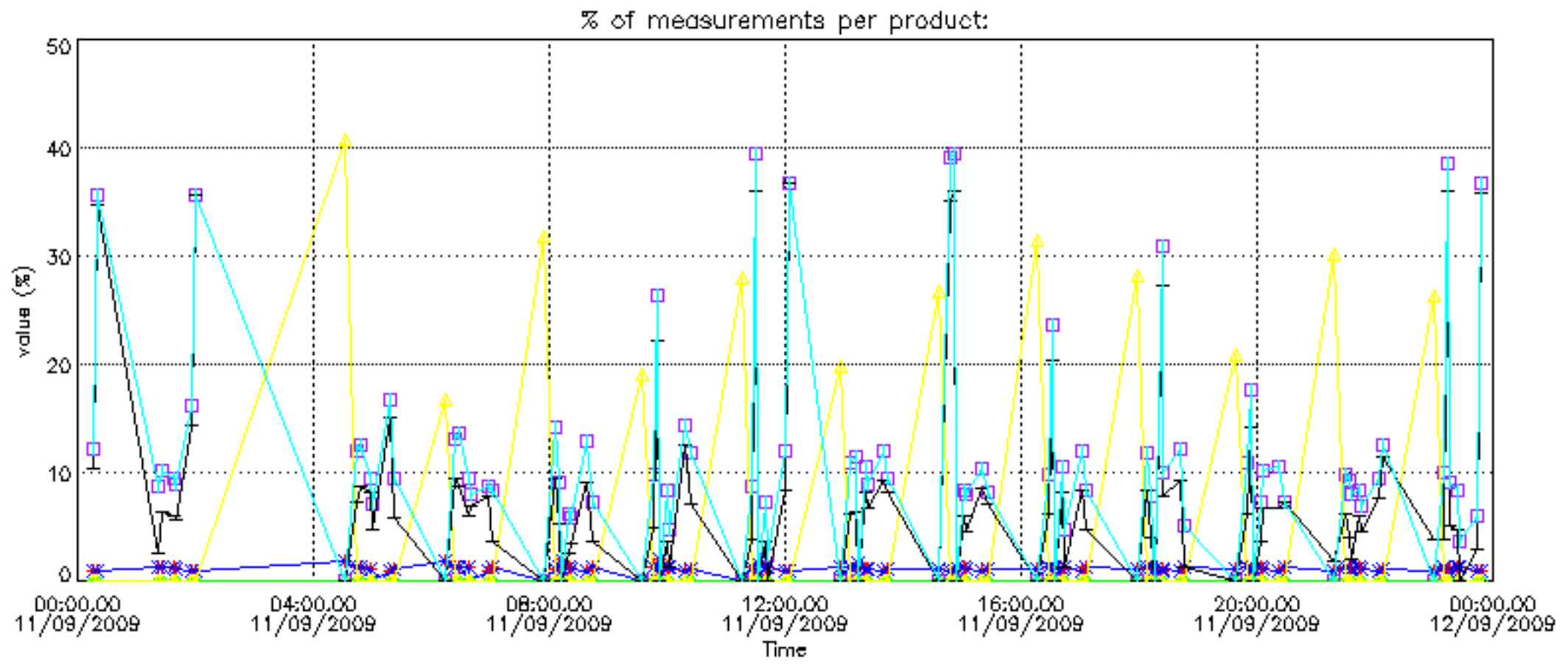
Percentage of flagged data per NO2 profile



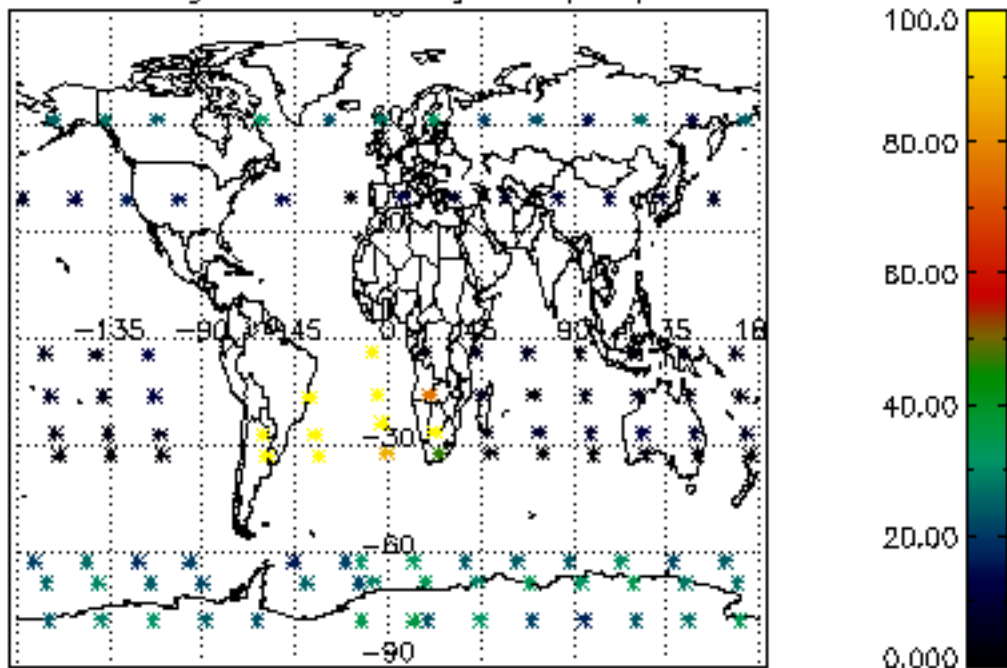
Percentage of flagged data per NO3 profile



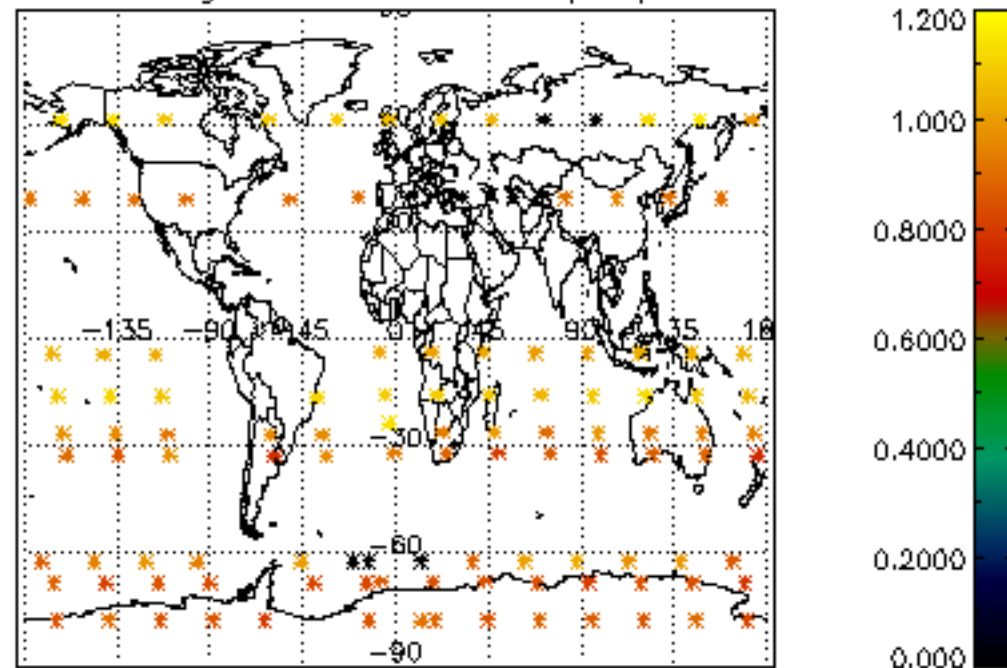




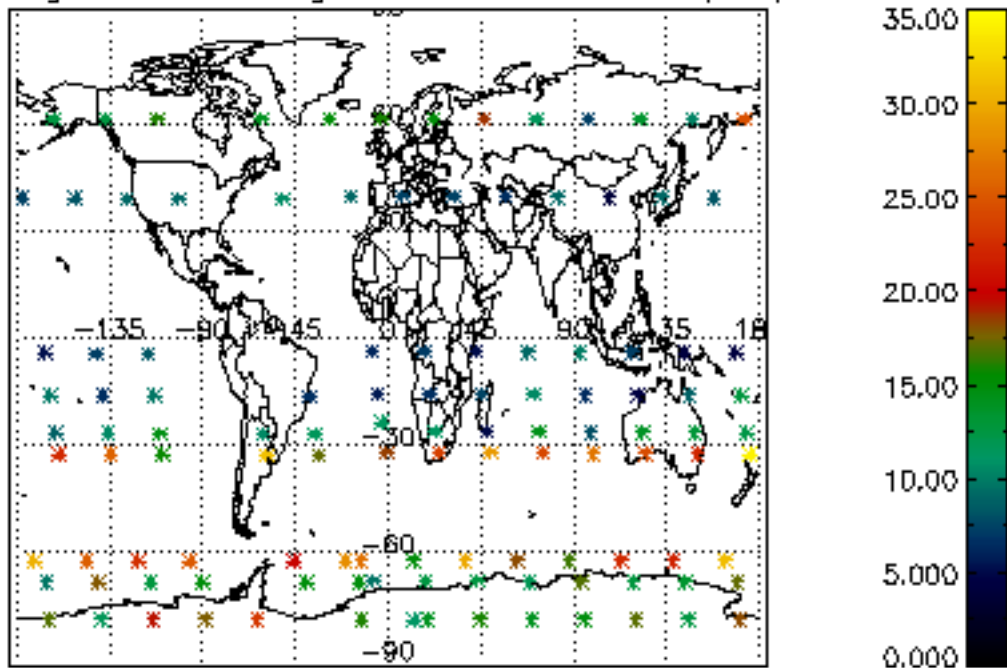
Percentage of cosmic ray hits per profile



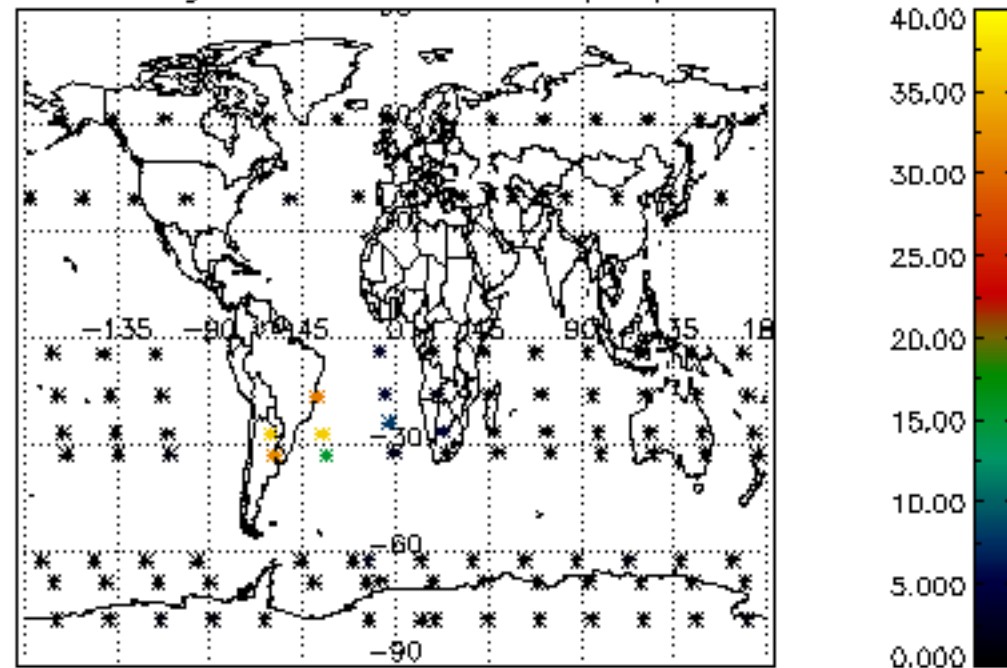
Percentage of datation errors per profile



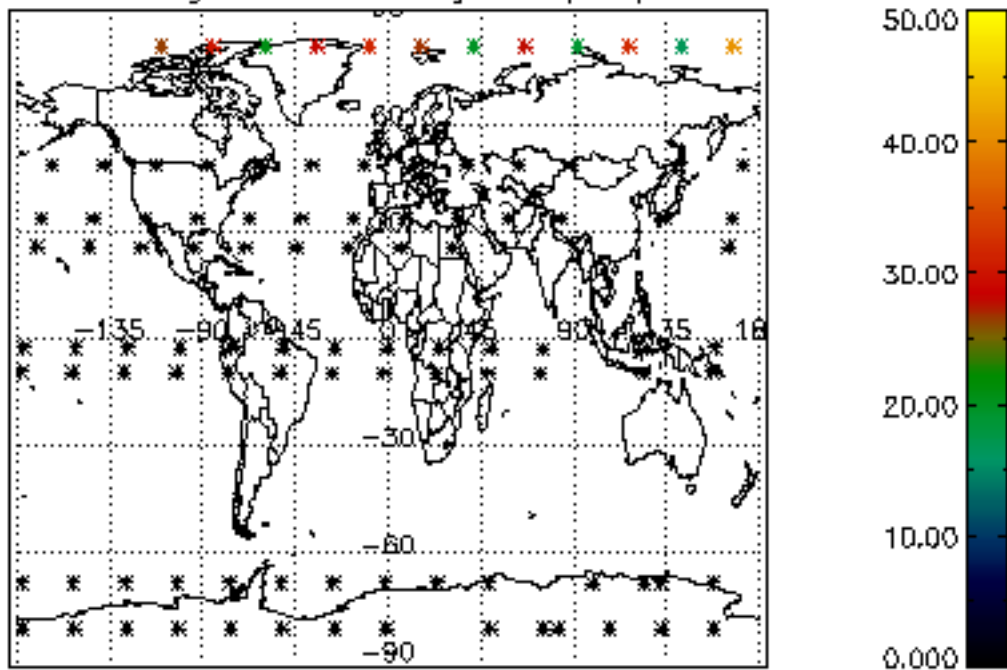
Percentage of star falling outside central band per profile



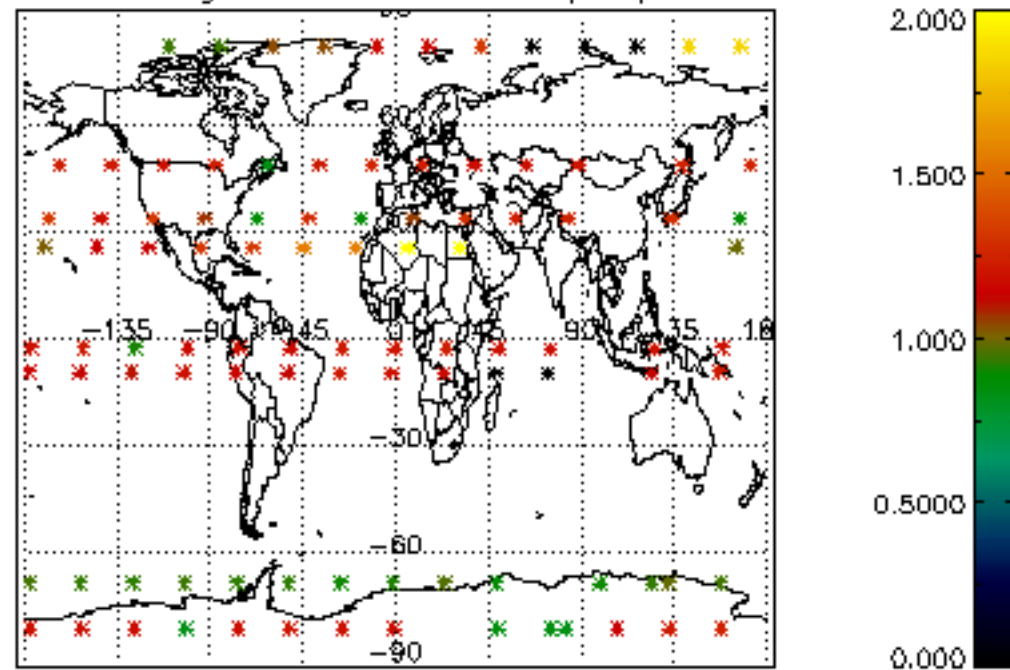
Percentage of saturation errors per profile



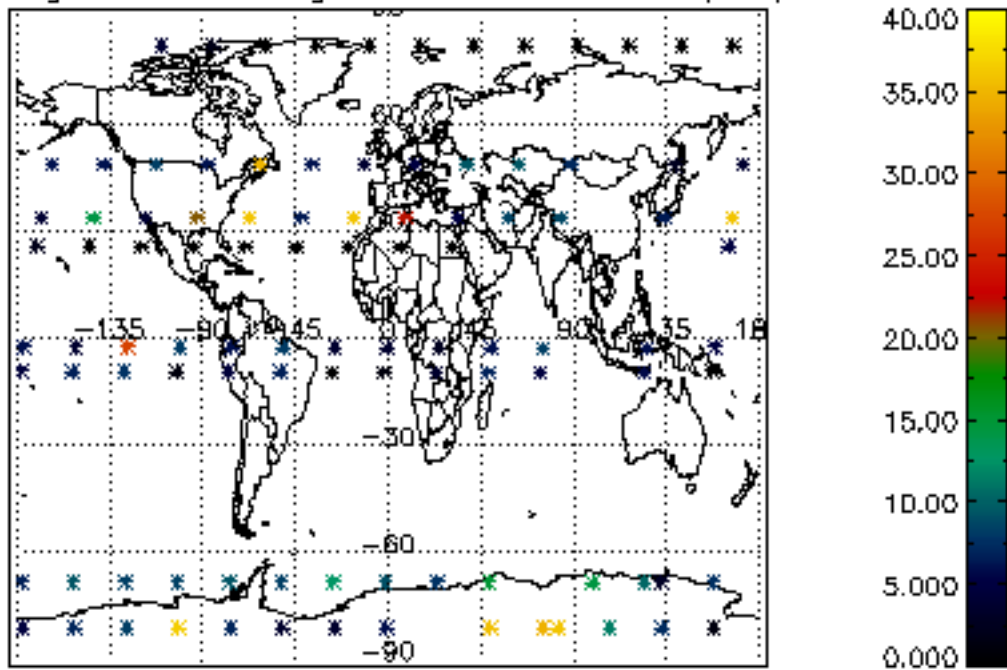
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

