

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	29APR2013 15:20:33
Data source version	GOMOS/6.01
Start time of products	21-09-2010 (21SEP2010 00:00:00)
Stop time of products	22-09-2010 (22SEP2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	202
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__2PRFIN20100921_000124_000000442093_00102_44745_8570.N1	21-SEP-2010 00:01:24	Bright	44.000	58	21Alp And	2.0730	11000.	88	44745	No
2	GOM_NL__2PRFIN20100921_000948_000000422093_00102_44745_8571.N1	21-SEP-2010 00:09:48	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	44745	No
3	GOM_NL__2PRFIN20100921_001127_000000392093_00102_44745_8572.N1	21-SEP-2010 00:11:27	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	44745	No
4	GOM_NL__2PRFIN20100921_003440_000000462093_00102_44745_8573.N1	21-SEP-2010 00:34:40	Bright	45.500	24	66Alp Gem	1.5800	10200.	91	44745	No
5	GOM_NL__2PRFIN20100921_004352_000000642093_00102_44745_8574.N1	21-SEP-2010 00:43:52	Dark	64.000	8	10Alp CMi	0.40000	6500.0	128	44745	No
6	GOM_NL__2PRFIN20100921_005114_000000392093_00102_44745_8575.N1	21-SEP-2010 00:51:14	Dark	39.000	132	15Rho Pup	2.8030	6900.0	78	44745	No
7	GOM_NL__2PRFIN20100921_005339_000000502093_00102_44745_8576.N1	21-SEP-2010 00:53:39	Dark	50.000	1	9Alp CMa	-1.4400	11000.	100	44745	No
8	GOM_NL__2PRFIN20100921_005533_000000482093_00102_44745_8577.N1	21-SEP-2010 00:55:33	Dark	47.500	23	21Eps CMa	1.5020	26000.	95	44745	No
9	GOM_NL__2PRFIN20100921_010132_000000552093_00103_44746_8575.N1	21-SEP-2010 01:01:32	Dark	54.500	2	Alp Car	-0.73600	7000.0	109	44746	No
10	GOM_NL__2PRFIN20100921_011302_000000432093_00103_44746_8576.N1	21-SEP-2010 01:13:02	Dark	42.500	9	Alp Eri	0.45300	24000.	85	44746	No
11	GOM_NL__2PRFIN20100921_011839_000000442093_00103_44746_8577.N1	21-SEP-2010 01:18:39	Straylight	44.000	84	Alp Phe	2.3970	4500.0	88	44746	No
12	GOM_NL__2PRFIN20100921_012602_000000562093_00103_44746_8578.N1	21-SEP-2010 01:26:02	Twilight_and_stray	56.000	52	16Bet Cet	2.0370	4500.0	112	44746	No
13	GOM_NL__2PRFIN20100921_013635_000000392093_00103_44746_8579.N1	21-SEP-2010 01:36:35	Bright	39.000	90	54Alp Peg	2.4870	11000.	78	44746	No
14	GOM_NL__2PRFIN20100921_014022_000000382093_00103_44746_8580.N1	21-SEP-2010 01:40:22	Bright	37.500	93	53Bet Peg	2.5200	3100.0	75	44746	No
15	GOM_NL__2PRFIN20100921_014159_000000442093_00103_44746_8581.N1	21-SEP-2010 01:41:59	Bright	44.000	58	21Alp And	2.0730	11000.	88	44746	No
16	GOM_NL__2PRFIN20100921_015023_000000372093_00103_44746_8582.N1	21-SEP-2010 01:50:23	Bright	37.000	74	11Bet Cas	2.2680	6600.0	74	44746	No
17	GOM_NL__2PRFIN20100921_015202_000000432093_00103_44746_8583.N1	21-SEP-2010 01:52:02	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	44746	No
18	GOM_NL__2PRFIN20100921_021516_000000482093_00103_44746_8584.N1	21-SEP-2010 02:15:16	Bright	47.500	24	66Alp Gem	1.5800	10200.	95	44746	No
19	GOM_NL__2PRFIN20100921_022429_000000682093_00103_44746_8585.N1	21-SEP-2010 02:24:29	Dark	68.000	8	10Alp CMi	0.40000	6500.0	136	44746	No
20	GOM_NL__2PRFIN20100921_023150_000000442093_00103_44746_8586.N1	21-SEP-2010 02:31:50	Dark	43.500	132	15Rho Pup	2.8030	6900.0	87	44746	No
21	GOM_NL__2PRFIN20100921_023416_000000442093_00103_44746_8587.N1	21-SEP-2010 02:34:16	Dark	44.000	1	9Alp CMa	-1.4400	11000.	88	44746	No
22	GOM_NL__2PRFIN20100921_023610_000000502093_00103_44746_8588.N1	21-SEP-2010 02:36:10	Dark	50.000	23	21Eps CMa	1.5020	26000.	100	44746	No
23	GOM_NL__2PRFIN20100921_024208_000000452093_00104_44747_8585.N1	21-SEP-2010 02:42:08	Dark	45.000	2	Alp Car	-0.73600	7000.0	90	44747	No
24	GOM_NL__2PRFIN20100921_025338_000000452093_00104_44747_8586.N1	21-SEP-2010 02:53:38	Dark	44.500	9	Alp Eri	0.45300	24000.	89	44747	No
25	GOM_NL__2PRFIN20100921_025915_000000472093_00104_44747_8587.N1	21-SEP-2010 02:59:15	Straylight	47.000	84	Alp Phe	2.3970	4500.0	94	44747	No
26	GOM_NL__2PRFIN20100921_030638_000000542093_00104_44747_8588.N1	21-SEP-2010 03:06:38	Twilight_and_stray	54.000	52	16Bet Cet	2.0370	4500.0	108	44747	No
27	GOM_NL__2PRFIN20100921_031711_000000382093_00104_44747_8589.N1	21-SEP-2010 03:17:11	Bright	37.500	90	54Alp Peg	2.4870	11000.	75	44747	No
28	GOM_NL__2PRFIN20100921_032058_000000382093_00104_44747_8590.N1	21-SEP-2010 03:20:58	Bright	37.500	93	53Bet Peg	2.5200	3100.0	75	44747	No
29	GOM_NL__2PRFIN20100921_032234_000000472093_00104_44747_8591.N1	21-SEP-2010 03:22:34	Bright	47.000	58	21Alp And	2.0730	11000.	94	44747	No
30	GOM_NL__2PRFIN20100921_033058_000000402093_00104_44747_8592.N1	21-SEP-2010 03:30:58	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	44747	No
31	GOM_NL__2PRFIN20100921_033238_000000412093_00104_44747_8593.N1	21-SEP-2010 03:32:38	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	44747	No
32	GOM_NL__2PRFIN20100921_035552_000000482093_00104_44747_8594.N1	21-SEP-2010 03:55:52	Bright	47.500	24	66Alp Gem	1.5800	10200.	95	44747	No
33	GOM_NL__2PRFIN20100921_040505_000000592093_00104_44747_8595.N1	21-SEP-2010 04:05:05	Dark	58.500	8	10Alp CMi	0.40000	6500.0	117	44747	No
34	GOM_NL__2PRFIN20100921_041227_000000432093_00104_44747_8596.N1	21-SEP-2010 04:12:27	Dark	43.000	132	15Rho Pup	2.8030	6900.0	86	44747	No
35	GOM_NL__2PRFIN20100921_041453_000000442093_00104_44747_8597.N1	21-SEP-2010 04:14:53	Dark	44.000	1	9Alp CMa	-1.4400	11000.	88	44747	No
36	GOM_NL__2PRFIN20100921_041647_000000552093_00104_44747_8598.N1	21-SEP-2010 04:16:47	Dark	55.000	23	21Eps CMa	1.5020	26000.	110	44747	No
37	GOM_NL__2PRFIN20100921_042245_000000552093_00105_44748_8597.N1	21-SEP-2010 04:22:45	Dark	55.000	2	Alp Car	-0.73600	7000.0	110	44748	No
38	GOM_NL__2PRFIN20100921_043415_000000452093_00105_44748_8598.N1	21-SEP-2010 04:34:15	Dark	44.500	9	Alp Eri	0.45300	24000.	89	44748	No
39	GOM_NL__2PRFIN20100921_043951_000000462093_00105_44748_8599.N1	21-SEP-2010 04:39:51	Straylight	45.500	84	Alp Phe	2.3970	4500.0	91	44748	No
40	GOM_NL__2PRFIN20100921_044714_000000562093_00105_44748_8600.N1	21-SEP-2010 04:47:14	Twilight_and_stray	56.000	52	16Bet Cet	2.0370	4500.0	112	44748	No
41	GOM_NL__2PRFIN20100921_045747_000000392093_00105_44748_8601.N1	21-SEP-2010 04:57:47	Bright	39.000	90	54Alp Peg	2.4870	11000.	78	44748	No
42	GOM_NL__2PRFIN20100921_050134_000000412093_00105_44748_8602.N1	21-SEP-2010 05:01:34	Bright	40.500	93	53Bet Peg	2.5200	3100.0	81	44748	No

43	GOM_NL__2PRFIN20100921_050310_000000462093_00105_44748_8603.N1	21-SEP-2010 05:03:10	Bright	46.000	58	21Alp And	2.0730	11000.	92	44748	No
44	GOM_NL__2PRFIN20100921_051134_000000422093_00105_44748_8604.N1	21-SEP-2010 05:11:34	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	44748	No
45	GOM_NL__2PRFIN20100921_051313_000000442093_00105_44748_8605.N1	21-SEP-2010 05:13:13	Bright	44.000	76	27Gam Cas	2.3000	30000.	88	44748	No
46	GOM_NL__2PRFIN20100921_053628_000000472093_00105_44748_8606.N1	21-SEP-2010 05:36:28	Bright	46.500	24	66Alp Gem	1.5800	10200.	93	44748	No
47	GOM_NL__2PRFIN20100921_054542_000000622093_00105_44748_8607.N1	21-SEP-2010 05:45:42	Dark	62.000	8	10Alp CMi	0.40000	6500.0	124	44748	No
48	GOM_NL__2PRFIN20100921_055303_000000382093_00105_44748_8608.N1	21-SEP-2010 05:53:03	Dark	38.000	132	15Rho Pup	2.8030	6900.0	76	44748	No
49	GOM_NL__2PRFIN20100921_055531_000000372093_00105_44748_8609.N1	21-SEP-2010 05:55:31	Dark	37.000	1	9Alp CMa	-1.4400	11000.	74	44748	No
50	GOM_NL__2PRFIN20100921_055724_000000512093_00105_44748_8610.N1	21-SEP-2010 05:57:24	Dark	51.000	23	21Eps CMa	1.5020	26000.	102	44748	No
51	GOM_NL__2PRFIN20100921_060322_000000552093_00106_44749_8630.N1	21-SEP-2010 06:03:22	Dark	55.000	2	Alp Car	-0.73600	7000.0	110	44749	No
52	GOM_NL__2PRFIN20100921_061451_000000442093_00106_44749_8631.N1	21-SEP-2010 06:14:51	Dark	44.000	9	Alp Eri	0.45300	24000.	88	44749	No
53	GOM_NL__2PRFIN20100921_062028_000000472093_00106_44749_8632.N1	21-SEP-2010 06:20:28	Straylight	46.500	84	Alp Phe	2.3970	4500.0	93	44749	No
54	GOM_NL__2PRFIN20100921_062750_000000562093_00106_44749_8633.N1	21-SEP-2010 06:27:50	Twilight_stray	56.000	52	16Bet Cet	2.0370	4500.0	112	44749	No
55	GOM_NL__2PRFIN20100921_063823_000000382093_00106_44749_8634.N1	21-SEP-2010 06:38:23	Bright	38.000	90	54Alp Peg	2.4870	11000.	76	44749	No
56	GOM_NL__2PRFIN20100921_064209_000000392093_00106_44749_8635.N1	21-SEP-2010 06:42:09	Bright	38.500	93	53Bet Peg	2.5200	3100.0	77	44749	No
57	GOM_NL__2PRFIN20100921_064345_000000432093_00106_44749_8636.N1	21-SEP-2010 06:43:45	Bright	43.000	58	21Alp And	2.0730	11000.	86	44749	No
58	GOM_NL__2PRFIN20100921_065210_000000402093_00106_44749_8637.N1	21-SEP-2010 06:52:10	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	44749	No
59	GOM_NL__2PRFIN20100921_065349_000000422093_00106_44749_8638.N1	21-SEP-2010 06:53:49	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	44749	No
60	GOM_NL__2PRFIN20100921_071704_000000472093_00106_44749_8639.N1	21-SEP-2010 07:17:04	Bright	47.000	24	66Alp Gem	1.5800	10200.	94	44749	No
61	GOM_NL__2PRFIN20100921_072618_000000572093_00106_44749_8640.N1	21-SEP-2010 07:26:18	Dark	57.000	8	10Alp CMi	0.40000	6500.0	114	44749	No
62	GOM_NL__2PRFIN20100921_073340_000000442093_00106_44749_8641.N1	21-SEP-2010 07:33:40	Dark	43.500	132	15Rho Pup	2.8030	6900.0	87	44749	No
63	GOM_NL__2PRFIN20100921_073608_000000372093_00106_44749_8642.N1	21-SEP-2010 07:36:08	Dark	37.000	1	9Alp CMa	-1.4400	11000.	74	44749	No
64	GOM_NL__2PRFIN20100921_073801_000000522093_00106_44749_8643.N1	21-SEP-2010 07:38:01	Dark	52.000	23	21Eps CMa	1.5020	26000.	104	44749	No
65	GOM_NL__2PRFIN20100921_074358_000000452093_00107_44750_8656.N1	21-SEP-2010 07:43:58	Dark	45.000	2	Alp Car	-0.73600	7000.0	90	44750	No
66	GOM_NL__2PRFIN20100921_075528_000000522093_00107_44750_8657.N1	21-SEP-2010 07:55:28	Dark	51.500	9	Alp Eri	0.45300	24000.	103	44750	No
67	GOM_NL__2PRFIN20100921_080104_000000462093_00107_44750_8658.N1	21-SEP-2010 08:01:04	Straylight	45.500	84	Alp Phe	2.3970	4500.0	91	44750	No
68	GOM_NL__2PRFIN20100921_080826_000000542093_00107_44750_8659.N1	21-SEP-2010 08:08:26	Twilight_stray	53.500	52	16Bet Cet	2.0370	4500.0	107	44750	No
69	GOM_NL__2PRFIN20100921_081858_000000392093_00107_44750_8660.N1	21-SEP-2010 08:18:58	Bright	38.500	90	54Alp Peg	2.4870	11000.	77	44750	No
70	GOM_NL__2PRFIN20100921_082245_000000372093_00107_44750_8661.N1	21-SEP-2010 08:22:45	Bright	37.000	93	53Bet Peg	2.5200	3100.0	74	44750	No
71	GOM_NL__2PRFIN20100921_082421_000000462093_00107_44750_8662.N1	21-SEP-2010 08:24:21	Bright	45.500	58	21Alp And	2.0730	11000.	91	44750	No
72	GOM_NL__2PRFIN20100921_083245_000000412093_00107_44750_8663.N1	21-SEP-2010 08:32:45	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	44750	No
73	GOM_NL__2PRFIN20100921_083424_000000422093_00107_44750_8664.N1	21-SEP-2010 08:34:24	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	44750	No
74	GOM_NL__2PRFIN20100921_085740_000000472093_00107_44750_8665.N1	21-SEP-2010 08:57:40	Bright	47.000	24	66Alp Gem	1.5800	10200.	94	44750	No
75	GOM_NL__2PRFIN20100921_090655_000000562093_00107_44750_8666.N1	21-SEP-2010 09:06:55	Dark	56.000	8	10Alp CMi	0.40000	6500.0	112	44750	No
76	GOM_NL__2PRFIN20100921_091416_000000442093_00107_44750_8667.N1	21-SEP-2010 09:14:16	Dark	44.000	132	15Rho Pup	2.8030	6900.0	88	44750	No
77	GOM_NL__2PRFIN20100921_091645_000000302093_00107_44750_8668.N1	21-SEP-2010 09:16:45	Dark	30.000	1	9Alp CMa	-1.4400	11000.	60	44750	No
78	GOM_NL__2PRFIN20100921_091838_000000502093_00107_44750_8669.N1	21-SEP-2010 09:18:38	Dark	49.500	23	21Eps CMa	1.5020	26000.	99	44750	No
79	GOM_NL__2PRFIN20100921_092435_000000552093_00108_44751_8683.N1	21-SEP-2010 09:24:35	Dark	54.500	2	Alp Car	-0.73600	7000.0	109	44751	No
80	GOM_NL__2PRFIN20100921_093604_000000422093_00108_44751_8684.N1	21-SEP-2010 09:36:04	Dark	42.000	9	Alp Eri	0.45300	24000.	84	44751	No
81	GOM_NL__2PRFIN20100921_094141_000000462093_00108_44751_8685.N1	21-SEP-2010 09:41:41	Straylight	46.000	84	Alp Phe	2.3970	4500.0	92	44751	No
82	GOM_NL__2PRFIN20100921_094902_000000552093_00108_44751_8686.N1	21-SEP-2010 09:49:02	Twilight_stray	55.000	52	16Bet Cet	2.0370	4500.0	110	44751	No
83	GOM_NL__2PRFIN20100921_095934_000000382093_00108_44751_8687.N1	21-SEP-2010 09:59:34	Bright	38.000	90	54Alp Peg	2.4870	11000.	76	44751	No
84	GOM_NL__2PRFIN20100921_100321_000000372093_00108_44751_8688.N1	21-SEP-2010 10:03:21	Bright	37.000	93	53Bet Peg	2.5200	3100.0	74	44751	No
85	GOM_NL__2PRFIN20100921_100456_000000452093_00108_44751_8689.N1	21-SEP-2010 10:04:56	Bright	45.000	58	21Alp And	2.0730	11000.	90	44751	No
86	GOM_NL__2PRFIN20100921_101321_000000382093_00108_44751_8690.N1	21-SEP-2010 10:13:21	Bright	37.500	74	11Bet Cas	2.2680	6600.0	75	44751	No
87	GOM_NL__2PRFIN20100921_101500_000000422093_00108_44751_8691.N1	21-SEP-2010 10:15:00	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	44751	No
88	GOM_NL__2PRFIN20100921_103816_000000512093_00108_44751_8692.N1	21-SEP-2010 10:38:16	Bright	50.500	24	66Alp Gem	1.5800	10200.	101	44751	No
89	GOM_NL__2PRFIN20100921_104732_000000612093_00108_44751_8693.N1	21-SEP-2010 10:47:32	Dark	60.500	8	10Alp CMi	0.40000	6500.0	121	44751	No
90	GOM_NL__2PRFIN20100921_105453_000000432093_00108_44751_8694.N1	21-SEP-2010 10:54:53	Dark	42.500	132	15Rho Pup	2.8030	6900.0	85	44751	No
91	GOM_NL__2PRFIN20100921_105722_000000302093_00108_44751_8695.N1	21-SEP-2010 10:57:22	Dark	30.000	1	9Alp CMa	-1.4400	11000.	60	44751	No
92	GOM_NL__2PRFIN20100921_105915_000000532093_00108_44751_8696.N1	21-SEP-2010 10:59:15	Dark	53.000	23	21Eps CMa	1.5020	26000.	106	44751	No
93	GOM_NL__2PRFIN20100921_110511_000000472093_00109_44752_8707.N1	21-SEP-2010 11:05:11	Dark	46.500	2	Alp Car	-0.73600	7000.0	93	44752	No
94	GOM_NL__2PRFIN20100921_111640_000000452093_00109_44752_8708.N1	21-SEP-2010 11:16:40	Dark	45.000	9	Alp Eri	0.45300	24000.	90	44752	No
95	GOM_NL__2PRFIN20100921_112217_000000442093_00109_44752_8709.N1	21-SEP-2010 11:22:17	Straylight	44.000	84	Alp Phe	2.3970	4500.0	88	44752	No
96	GOM_NL__2PRFIN20100921_112938_000000552093_00109_44752_8710.N1	21-SEP-2010 11:29:38	Twilight_stray	54.500	52	16Bet Cet	2.0370	4500.0	109	44752	No
97	GOM_NL__2PRFIN20100921_114010_000000382093_00109_44752_8711.N1	21-SEP-2010 11:40:10	Bright	38.000	90	54Alp Peg	2.4870	11000.	76	44752	No
98	GOM_NL__2PRFIN20100921_114356_000000412093_00109_44752_8712.N1	21-SEP-2010 11:43:56	Bright	40.500	93	53Bet Peg	2.5200	3100.0	81	44752	No
99	GOM_NL__2PRFIN20100921_114531_000000432093_00109_44752_8713.N1	21-SEP-2010 11:45:31	Bright	43.000	58	21Alp And	2.0730	11000.	86	44752	No
100	GOM_NL__2PRFIN20100921_115356_000000412093_00109_44752_8714.N1	21-SEP-2010 11:53:56	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	44752	No
101	GOM_NL__2PRFIN20100921_115535_000000442093_00109_44752_8715.N1	21-SEP-2010 11:55:35	Bright	43.500	76	27Gam Cas	2.3000	30000.	87	44752	No

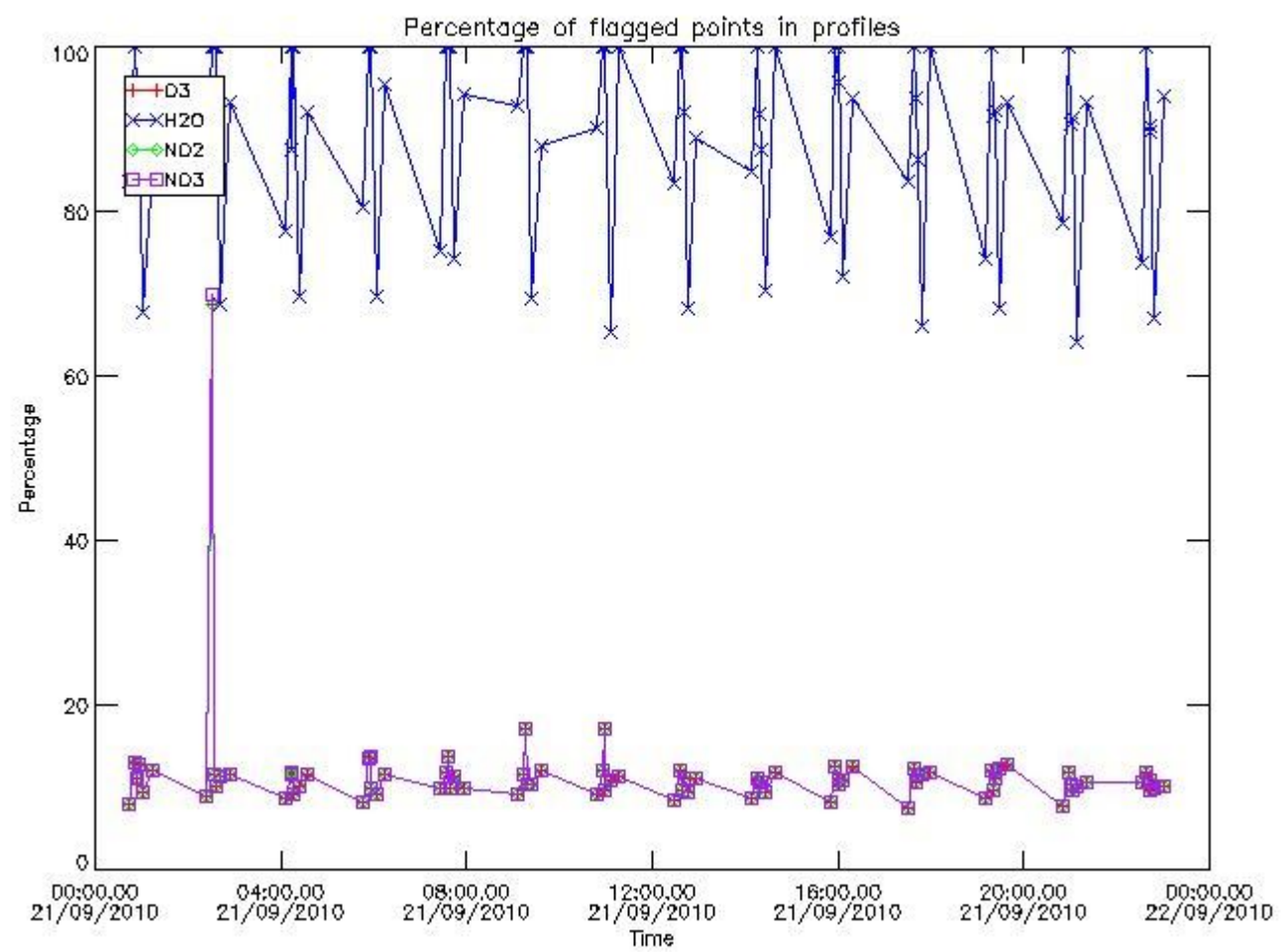
102	GOM_NL__2PRFIN20100921_121852_000000502093_00109_44752_8716.N1	21-SEP-2010 12:18:52	Bright	49.500	24	66Alp Gem	1.5800	10200.	99	44752	No
103	GOM_NL__2PRFIN20100921_122808_000000612093_00109_44752_8717.N1	21-SEP-2010 12:28:08	Dark	61.000	8	10Alp CMi	0.40000	6500.0	122	44752	No
104	GOM_NL__2PRFIN20100921_123529_000000422093_00109_44752_8718.N1	21-SEP-2010 12:35:29	Dark	42.000	132	15Rho Pup	2.8030	6900.0	84	44752	No
105	GOM_NL__2PRFIN20100921_123843_000000542093_00109_44752_8719.N1	21-SEP-2010 12:38:43	Dark	53.500	37	25Del CMa	1.8300	5900.0	107	44752	No
106	GOM_NL__2PRFIN20100921_124039_000000512093_00109_44752_8720.N1	21-SEP-2010 12:40:39	Dark	50.500	117	Pi Pup	2.7060	3800.0	101	44752	No
107	GOM_NL__2PRFIN20100921_124548_000000542093_00110_44753_8818.N1	21-SEP-2010 12:45:48	Dark	54.000	2	Alp Car	-0.73600	7000.0	108	44753	No
108	GOM_NL__2PRFIN20100921_125717_000000462093_00110_44753_8819.N1	21-SEP-2010 12:57:17	Dark	46.000	9	Alp Eri	0.45300	24000.	92	44753	No
109	GOM_NL__2PRFIN20100921_130253_000000412093_00110_44753_8820.N1	21-SEP-2010 13:02:53	Straylight	41.000	84	Alp Phe	2.3970	4500.0	82	44753	No
110	GOM_NL__2PRFIN20100921_131014_000000542093_00110_44753_8821.N1	21-SEP-2010 13:10:14	Tw_i_and_stray	54.000	52	16Bet Cet	2.0370	4500.0	108	44753	No
111	GOM_NL__2PRFIN20100921_132046_000000392093_00110_44753_8822.N1	21-SEP-2010 13:20:46	Bright	38.500	90	54Alp Peg	2.4870	11000.	77	44753	No
112	GOM_NL__2PRFIN20100921_132432_000000372093_00110_44753_8823.N1	21-SEP-2010 13:24:32	Bright	37.000	93	53Bet Peg	2.5200	3100.0	74	44753	No
113	GOM_NL__2PRFIN20100921_132607_000000452093_00110_44753_8824.N1	21-SEP-2010 13:26:07	Bright	44.500	58	21Alp And	2.0730	11000.	89	44753	No
114	GOM_NL__2PRFIN20100921_133431_000000412093_00110_44753_8825.N1	21-SEP-2010 13:34:31	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	44753	No
115	GOM_NL__2PRFIN20100921_133610_000000402093_00110_44753_8826.N1	21-SEP-2010 13:36:10	Bright	39.500	76	27Gam Cas	2.3000	30000.	79	44753	No
116	GOM_NL__2PRFIN20100921_135928_000000502093_00110_44753_8827.N1	21-SEP-2010 13:59:28	Bright	49.500	24	66Alp Gem	1.5800	10200.	99	44753	No
117	GOM_NL__2PRFIN20100921_140845_000000602093_00110_44753_8828.N1	21-SEP-2010 14:08:45	Dark	59.500	8	10Alp CMi	0.40000	6500.0	119	44753	No
118	GOM_NL__2PRFIN20100921_141606_000000462093_00110_44753_8829.N1	21-SEP-2010 14:16:06	Dark	45.500	132	15Rho Pup	2.8030	6900.0	91	44753	No
119	GOM_NL__2PRFIN20100921_141920_000000502093_00110_44753_8830.N1	21-SEP-2010 14:19:20	Dark	50.000	37	25Del CMa	1.8300	5900.0	100	44753	No
120	GOM_NL__2PRFIN20100921_142115_000000492093_00110_44753_8831.N1	21-SEP-2010 14:21:15	Dark	48.500	117	Pi Pup	2.7060	3800.0	97	44753	No
121	GOM_NL__2PRFIN20100921_142624_000000552093_00111_44754_8850.N1	21-SEP-2010 14:26:24	Dark	54.500	2	Alp Car	-0.73600	7000.0	109	44754	No
122	GOM_NL__2PRFIN20100921_143753_000000442093_00111_44754_8851.N1	21-SEP-2010 14:37:53	Dark	43.500	9	Alp Eri	0.45300	24000.	87	44754	No
123	GOM_NL__2PRFIN20100921_144329_000000442093_00111_44754_8852.N1	21-SEP-2010 14:43:29	Straylight	43.500	84	Alp Phe	2.3970	4500.0	87	44754	No
124	GOM_NL__2PRFIN20100921_145051_000000542093_00111_44754_8853.N1	21-SEP-2010 14:50:51	Tw_i_and_stray	53.500	52	16Bet Cet	2.0370	4500.0	107	44754	No
125	GOM_NL__2PRFIN20100921_150122_000000382093_00111_44754_8854.N1	21-SEP-2010 15:01:22	Bright	38.000	90	54Alp Peg	2.4870	11000.	76	44754	No
126	GOM_NL__2PRFIN20100921_150508_000000392093_00111_44754_8855.N1	21-SEP-2010 15:05:08	Bright	39.000	93	53Bet Peg	2.5200	3100.0	78	44754	No
127	GOM_NL__2PRFIN20100921_150642_000000442093_00111_44754_8856.N1	21-SEP-2010 15:06:42	Bright	44.000	58	21Alp And	2.0730	11000.	88	44754	No
128	GOM_NL__2PRFIN20100921_151507_000000402093_00111_44754_8857.N1	21-SEP-2010 15:15:07	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	44754	No
129	GOM_NL__2PRFIN20100921_151646_000000422093_00111_44754_8858.N1	21-SEP-2010 15:16:46	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	44754	No
130	GOM_NL__2PRFIN20100921_154004_000000472093_00111_44754_8859.N1	21-SEP-2010 15:40:04	Bright	46.500	24	66Alp Gem	1.5800	10200.	93	44754	No
131	GOM_NL__2PRFIN20100921_154921_000000632093_00111_44754_8860.N1	21-SEP-2010 15:49:21	Dark	63.000	8	10Alp CMi	0.40000	6500.0	126	44754	No
132	GOM_NL__2PRFIN20100921_155642_000000412093_00111_44754_8861.N1	21-SEP-2010 15:56:42	Dark	40.500	132	15Rho Pup	2.8030	6900.0	81	44754	No
133	GOM_NL__2PRFIN20100921_155957_000000482093_00111_44754_8862.N1	21-SEP-2010 15:59:57	Dark	47.500	37	25Del CMa	1.8300	5900.0	95	44754	No
134	GOM_NL__2PRFIN20100921_160152_000000502093_00111_44754_8863.N1	21-SEP-2010 16:01:52	Dark	49.500	117	Pi Pup	2.7060	3800.0	99	44754	No
135	GOM_NL__2PRFIN20100921_160701_000000562093_00112_44755_8880.N1	21-SEP-2010 16:07:01	Dark	56.000	2	Alp Car	-0.73600	7000.0	112	44755	No
136	GOM_NL__2PRFIN20100921_161829_000000412093_00112_44755_8881.N1	21-SEP-2010 16:18:29	Dark	40.500	9	Alp Eri	0.45300	24000.	81	44755	No
137	GOM_NL__2PRFIN20100921_162405_000000412093_00112_44755_8882.N1	21-SEP-2010 16:24:05	Straylight	41.000	84	Alp Phe	2.3970	4500.0	82	44755	No
138	GOM_NL__2PRFIN20100921_163127_000000572093_00112_44755_8883.N1	21-SEP-2010 16:31:27	Tw_i_and_stray	56.500	52	16Bet Cet	2.0370	4500.0	113	44755	No
139	GOM_NL__2PRFIN20100921_164157_000000382093_00112_44755_8884.N1	21-SEP-2010 16:41:57	Bright	38.000	90	54Alp Peg	2.4870	11000.	76	44755	No
140	GOM_NL__2PRFIN20100921_164544_000000392093_00112_44755_8885.N1	21-SEP-2010 16:45:44	Bright	39.000	93	53Bet Peg	2.5200	3100.0	78	44755	No
141	GOM_NL__2PRFIN20100921_164717_000000442093_00112_44755_8886.N1	21-SEP-2010 16:47:17	Bright	44.000	58	21Alp And	2.0730	11000.	88	44755	No
142	GOM_NL__2PRFIN20100921_165543_000000382093_00112_44755_8887.N1	21-SEP-2010 16:55:43	Bright	38.000	74	11Bet Cas	2.2680	6600.0	76	44755	No
143	GOM_NL__2PRFIN20100921_165721_000000422093_00112_44755_8888.N1	21-SEP-2010 16:57:21	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	44755	No
144	GOM_NL__2PRFIN20100921_172040_000000492093_00112_44755_8889.N1	21-SEP-2010 17:20:40	Bright	48.500	24	66Alp Gem	1.5800	10200.	97	44755	No
145	GOM_NL__2PRFIN20100921_172958_000000682093_00112_44755_8890.N1	21-SEP-2010 17:29:58	Dark	68.000	8	10Alp CMi	0.40000	6500.0	136	44755	No
146	GOM_NL__2PRFIN20100921_173719_000000422093_00112_44755_8891.N1	21-SEP-2010 17:37:19	Dark	41.500	132	15Rho Pup	2.8030	6900.0	83	44755	No
147	GOM_NL__2PRFIN20100921_174034_000000482093_00112_44755_8892.N1	21-SEP-2010 17:40:34	Dark	48.000	37	25Del CMa	1.8300	5900.0	96	44755	No
148	GOM_NL__2PRFIN20100921_174229_000000442093_00112_44755_8893.N1	21-SEP-2010 17:42:29	Dark	44.000	117	Pi Pup	2.7060	3800.0	88	44755	No
149	GOM_NL__2PRFIN20100921_174738_000000452093_00113_44756_8908.N1	21-SEP-2010 17:47:38	Dark	44.500	2	Alp Car	-0.73600	7000.0	89	44756	No
150	GOM_NL__2PRFIN20100921_175906_000000432093_00113_44756_8909.N1	21-SEP-2010 17:59:06	Dark	42.500	9	Alp Eri	0.45300	24000.	85	44756	No
151	GOM_NL__2PRFIN20100921_180442_000000472093_00113_44756_8910.N1	21-SEP-2010 18:04:42	Straylight	46.500	84	Alp Phe	2.3970	4500.0	93	44756	No
152	GOM_NL__2PRFIN20100921_181203_000000572093_00113_44756_8911.N1	21-SEP-2010 18:12:03	Tw_i_and_stray	57.000	52	16Bet Cet	2.0370	4500.0	114	44756	No
153	GOM_NL__2PRFIN20100921_182233_000000382093_00113_44756_8912.N1	21-SEP-2010 18:22:33	Bright	38.000	90	54Alp Peg	2.4870	11000.	76	44756	No
154	GOM_NL__2PRFIN20100921_182620_000000422093_00113_44756_8913.N1	21-SEP-2010 18:26:20	Bright	42.000	93	53Bet Peg	2.5200	3100.0	84	44756	No
155	GOM_NL__2PRFIN20100921_182753_000000452093_00113_44756_8914.N1	21-SEP-2010 18:27:53	Bright	45.000	58	21Alp And	2.0730	11000.	90	44756	No
156	GOM_NL__2PRFIN20100921_183618_000000422093_00113_44756_8915.N1	21-SEP-2010 18:36:18	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	44756	No
157	GOM_NL__2PRFIN20100921_183757_000000462093_00113_44756_8916.N1	21-SEP-2010 18:37:57	Bright	45.500	76	27Gam Cas	2.3000	30000.	91	44756	No
158	GOM_NL__2PRFIN20100921_190117_000000482093_00113_44756_8917.N1	21-SEP-2010 19:01:17	Bright	48.000	24	66Alp Gem	1.5800	10200.	96	44756	No
159	GOM_NL__2PRFIN20100921_190233_000000662093_00113_44756_8918.N1	21-SEP-2010 19:02:33	Bright	66.000	17	78Bet Gem	1.1610	4500.0	132	44756	No
160	GOM_NL__2PRFIN20100921_191035_000000592093_00113_44756_8919.N1	21-SEP-2010 19:10:35	Dark	58.500	8	10Alp CMi	0.40000	6500.0	117	44756	No

161	GOM_NL__2PRFIN20100921_191756_000000432093_00113_44756_8920.N1	21-SEP-2010 19:17:56	Dark	42.500	132	15Rho Pup	2.8030	6900.0	85	44756	No
162	GOM_NL__2PRFIN20100921_192111_000000542093_00113_44756_8921.N1	21-SEP-2010 19:21:11	Dark	53.500	37	25Del CMa	1.8300	5900.0	107	44756	No
163	GOM_NL__2PRFIN20100921_192305_000000462093_00113_44756_8922.N1	21-SEP-2010 19:23:05	Dark	45.500	117	Pi Pup	2.7060	3800.0	91	44756	No
164	GOM_NL__2PRFIN20100921_192814_000000542093_00114_44757_8933.N1	21-SEP-2010 19:28:14	Dark	54.000	2	Alp Car	-0.73600	7000.0	108	44757	No
165	GOM_NL__2PRFIN20100921_193942_000000512093_00114_44757_8934.N1	21-SEP-2010 19:39:42	Dark	51.000	9	Alp Eri	0.45300	24000.	102	44757	No
166	GOM_NL__2PRFIN20100921_194518_000000462093_00114_44757_8935.N1	21-SEP-2010 19:45:18	Straylight	45.500	84	Alp Phe	2.3970	4500.0	91	44757	No
167	GOM_NL__2PRFIN20100921_195239_000000552093_00114_44757_8936.N1	21-SEP-2010 19:52:39	Tw_i_and_stray	55.000	52	16Bet Cet	2.0370	4500.0	110	44757	No
168	GOM_NL__2PRFIN20100921_200309_000000392093_00114_44757_8937.N1	21-SEP-2010 20:03:09	Bright	38.500	90	54Alp Peg	2.4870	11000.	77	44757	No
169	GOM_NL__2PRFIN20100921_200655_000000382093_00114_44757_8938.N1	21-SEP-2010 20:06:55	Bright	38.000	93	53Bet Peg	2.5200	3100.0	76	44757	No
170	GOM_NL__2PRFIN20100921_200828_000000452093_00114_44757_8939.N1	21-SEP-2010 20:08:28	Bright	45.000	58	21Alp And	2.0730	11000.	90	44757	No
171	GOM_NL__2PRFIN20100921_201654_000000432093_00114_44757_8940.N1	21-SEP-2010 20:16:54	Bright	42.500	74	11Bet Cas	2.2680	6600.0	85	44757	No
172	GOM_NL__2PRFIN20100921_201832_000000432093_00114_44757_8941.N1	21-SEP-2010 20:18:32	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	44757	No
173	GOM_NL__2PRFIN20100921_204153_000000472093_00114_44757_8942.N1	21-SEP-2010 20:41:53	Bright	46.500	24	66Alp Gem	1.5800	10200.	93	44757	No
174	GOM_NL__2PRFIN20100921_204309_000000502093_00114_44757_8943.N1	21-SEP-2010 20:43:09	Bright	50.000	17	78Bet Gem	1.1610	4500.0	100	44757	No
175	GOM_NL__2PRFIN20100921_205111_000000662093_00114_44757_8944.N1	21-SEP-2010 20:51:11	Dark	66.000	8	10Alp CMi	0.40000	6500.0	132	44757	No
176	GOM_NL__2PRFIN20100921_205832_000000442093_00114_44757_8945.N1	21-SEP-2010 20:58:32	Dark	43.500	132	15Rho Pup	2.8030	6900.0	87	44757	No
177	GOM_NL__2PRFIN20100921_210147_000000542093_00114_44757_8946.N1	21-SEP-2010 21:01:47	Dark	54.000	37	25Del CMa	1.8300	5900.0	108	44757	No
178	GOM_NL__2PRFIN20100921_210342_000000532093_00114_44757_8947.N1	21-SEP-2010 21:03:42	Dark	53.000	117	Pi Pup	2.7060	3800.0	106	44757	No
179	GOM_NL__2PRFIN20100921_210851_000000512093_00115_44758_8964.N1	21-SEP-2010 21:08:51	Dark	50.500	2	Alp Car	-0.73600	7000.0	101	44758	No
180	GOM_NL__2PRFIN20100921_212019_000000532093_00115_44758_8965.N1	21-SEP-2010 21:20:19	Dark	53.000	9	Alp Eri	0.45300	24000.	106	44758	No
181	GOM_NL__2PRFIN20100921_212554_000000452093_00115_44758_8966.N1	21-SEP-2010 21:25:54	Straylight	44.500	84	Alp Phe	2.3970	4500.0	89	44758	No
182	GOM_NL__2PRFIN20100921_213315_000000562093_00115_44758_8967.N1	21-SEP-2010 21:33:15	Tw_i_and_stray	55.500	52	16Bet Cet	2.0370	4500.0	111	44758	No
183	GOM_NL__2PRFIN20100921_214345_000000382093_00115_44758_8968.N1	21-SEP-2010 21:43:45	Bright	38.000	90	54Alp Peg	2.4870	11000.	76	44758	No
184	GOM_NL__2PRFIN20100921_214731_000000382093_00115_44758_8969.N1	21-SEP-2010 21:47:31	Bright	37.500	93	53Bet Peg	2.5200	3100.0	75	44758	No
185	GOM_NL__2PRFIN20100921_214904_000000432093_00115_44758_8970.N1	21-SEP-2010 21:49:04	Bright	43.000	58	21Alp And	2.0730	11000.	86	44758	No
186	GOM_NL__2PRFIN20100921_215729_000000422093_00115_44758_8971.N1	21-SEP-2010 21:57:29	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	44758	No
187	GOM_NL__2PRFIN20100921_215907_000000422093_00115_44758_8972.N1	21-SEP-2010 21:59:07	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	44758	No
188	GOM_NL__2PRFIN20100921_222229_000000492093_00115_44758_8973.N1	21-SEP-2010 22:22:29	Bright	48.500	24	66Alp Gem	1.5800	10200.	97	44758	No
189	GOM_NL__2PRFIN20100921_222345_000000492093_00115_44758_8974.N1	21-SEP-2010 22:23:45	Bright	49.000	17	78Bet Gem	1.1610	4500.0	98	44758	No
190	GOM_NL__2PRFIN20100921_223147_000000572093_00115_44758_8975.N1	21-SEP-2010 22:31:47	Dark	57.000	8	10Alp CMi	0.40000	6500.0	114	44758	No
191	GOM_NL__2PRFIN20100921_223908_000000442093_00115_44758_8976.N1	21-SEP-2010 22:39:08	Dark	43.500	132	15Rho Pup	2.8030	6900.0	87	44758	No
192	GOM_NL__2PRFIN20100921_224224_000000542093_00115_44758_8977.N1	21-SEP-2010 22:42:24	Dark	53.500	37	25Del CMa	1.8300	5900.0	107	44758	No
193	GOM_NL__2PRFIN20100921_224419_000000472093_00115_44758_8978.N1	21-SEP-2010 22:44:19	Dark	47.000	117	Pi Pup	2.7060	3800.0	94	44758	No
194	GOM_NL__2PRFIN20100921_224927_000000572093_00116_44759_8994.N1	21-SEP-2010 22:49:27	Dark	56.500	2	Alp Car	-0.73600	7000.0	113	44759	No
195	GOM_NL__2PRFIN20100921_230055_000000502093_00116_44759_8995.N1	21-SEP-2010 23:00:55	Dark	50.000	9	Alp Eri	0.45300	24000.	100	44759	No
196	GOM_NL__2PRFIN20100921_230630_000000432093_00116_44759_8996.N1	21-SEP-2010 23:06:30	Straylight	42.500	84	Alp Phe	2.3970	4500.0	85	44759	No
197	GOM_NL__2PRFIN20100921_231351_000000572093_00116_44759_8997.N1	21-SEP-2010 23:13:51	Tw_i_and_stray	57.000	52	16Bet Cet	2.0370	4500.0	114	44759	No
198	GOM_NL__2PRFIN20100921_232421_000000392093_00116_44759_8998.N1	21-SEP-2010 23:24:21	Bright	38.500	90	54Alp Peg	2.4870	11000.	77	44759	No
199	GOM_NL__2PRFIN20100921_232807_000000382093_00116_44759_8999.N1	21-SEP-2010 23:28:07	Bright	38.000	93	53Bet Peg	2.5200	3100.0	76	44759	No
200	GOM_NL__2PRFIN20100921_232939_000000442093_00116_44759_9000.N1	21-SEP-2010 23:29:39	Bright	43.500	58	21Alp And	2.0730	11000.	87	44759	No
201	GOM_NL__2PRFIN20100921_233805_000000382093_00116_44759_9001.N1	21-SEP-2010 23:38:05	Bright	37.500	74	11Bet Cas	2.2680	6600.0	75	44759	No
202	GOM_NL__2PRFIN20100921_233943_000000382093_00116_44759_9002.N1	21-SEP-2010 23:39:43	Bright	37.500	76	27Gam Cas	2.3000	30000.	75	44759	No

3. Quality information per product

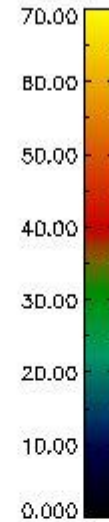
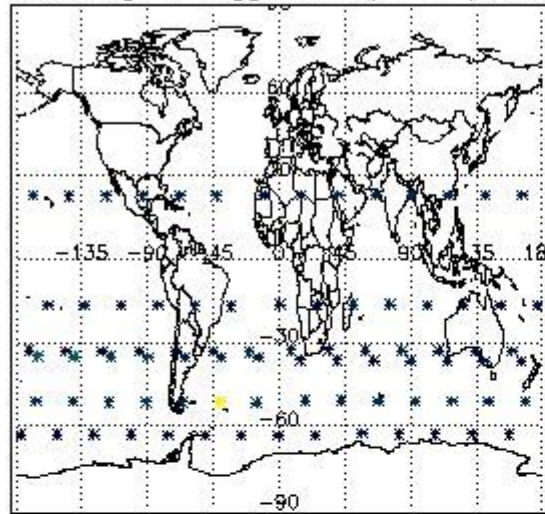
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

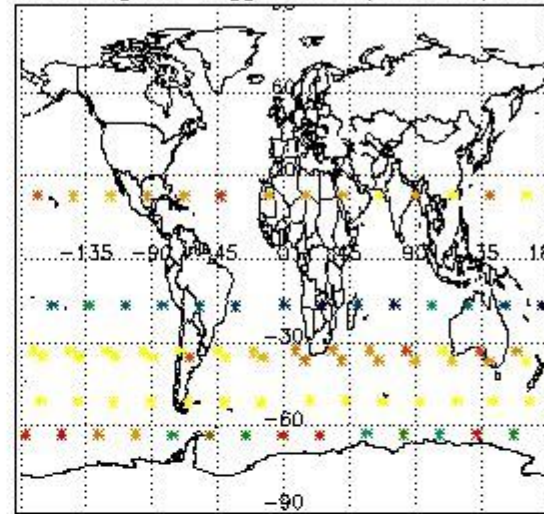


3.2 Plot quality information per product (world map)

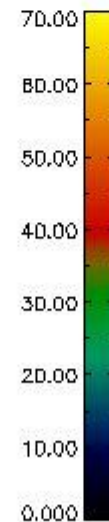
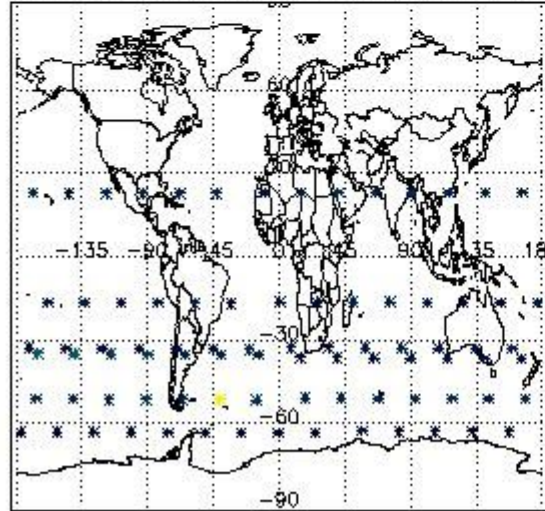
Percentage of flagged data per O3 profile



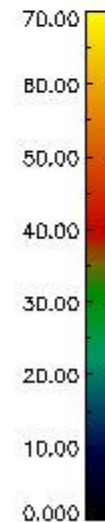
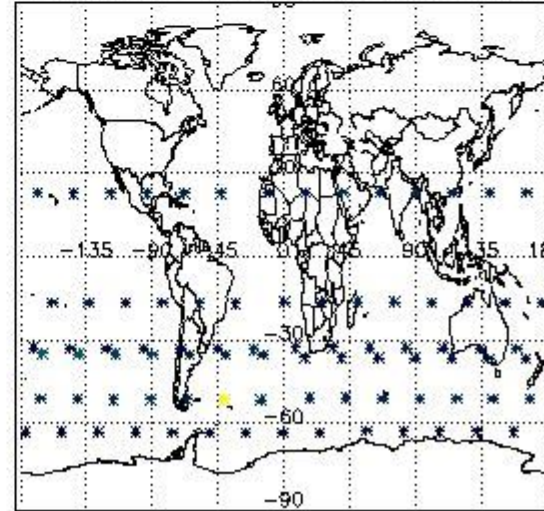
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

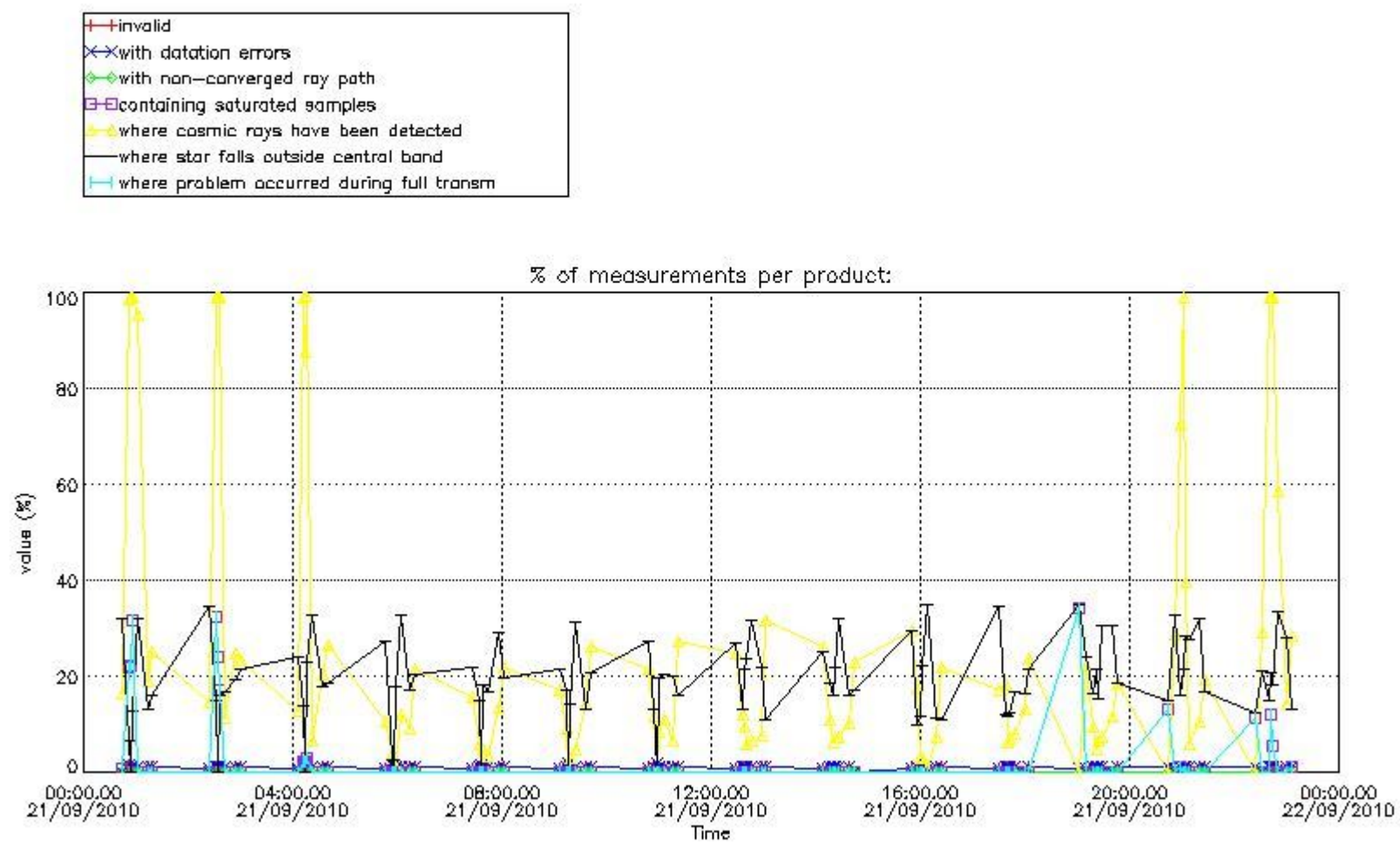


4. Level 1 quality information per product

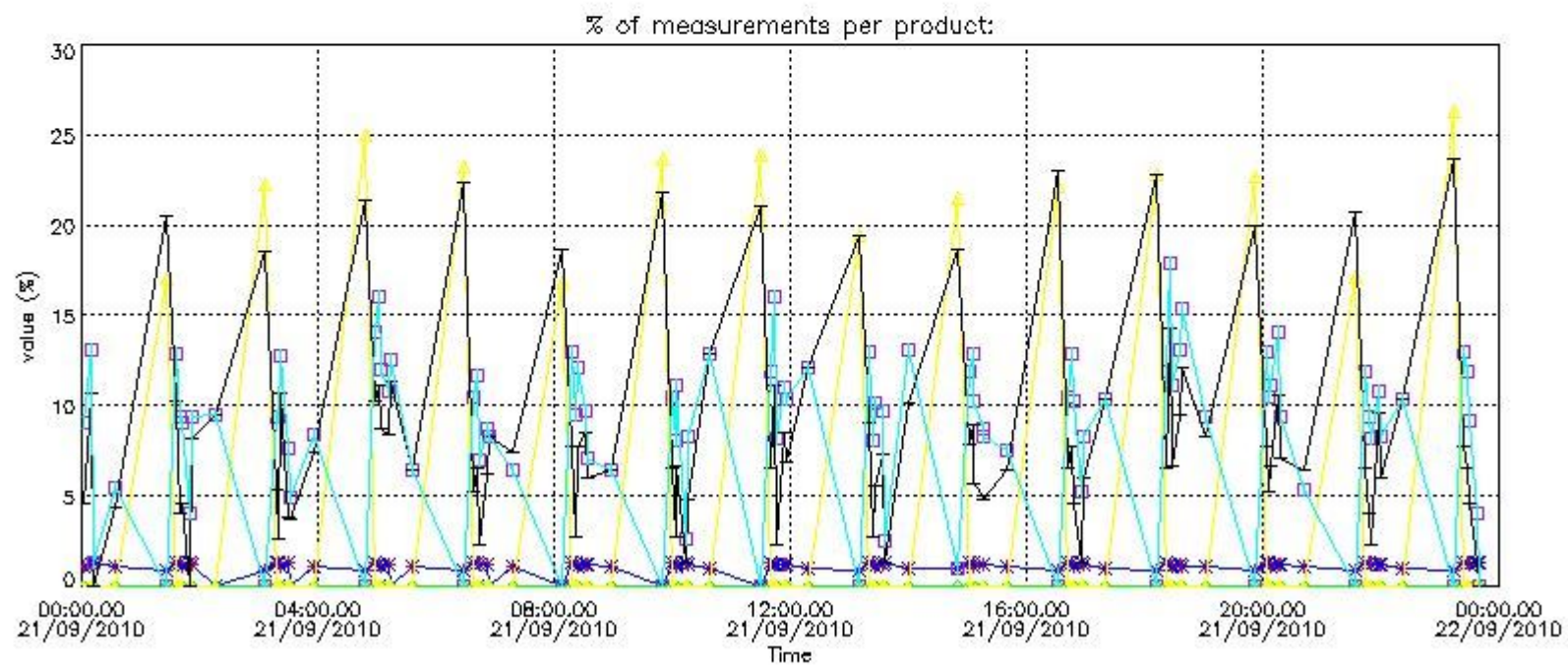
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



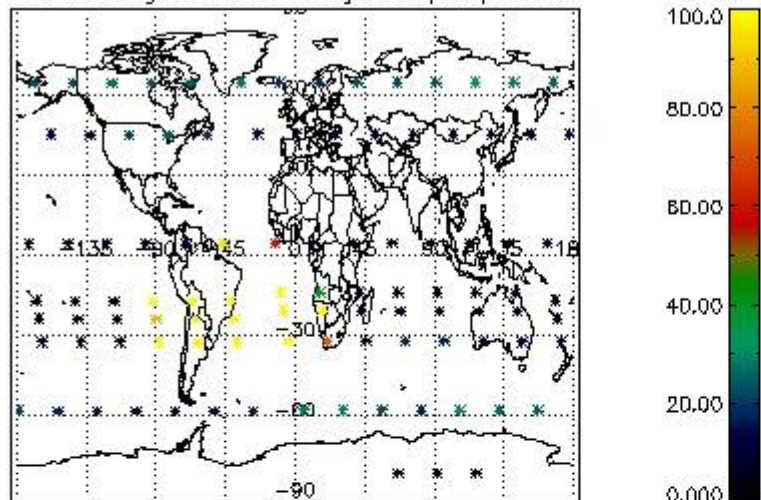
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



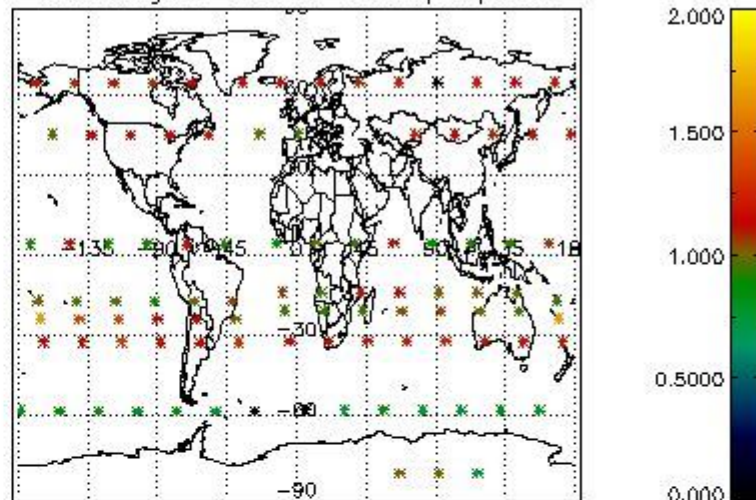
4.2 Plot quality information per product coming from level 1b processing (world map)

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

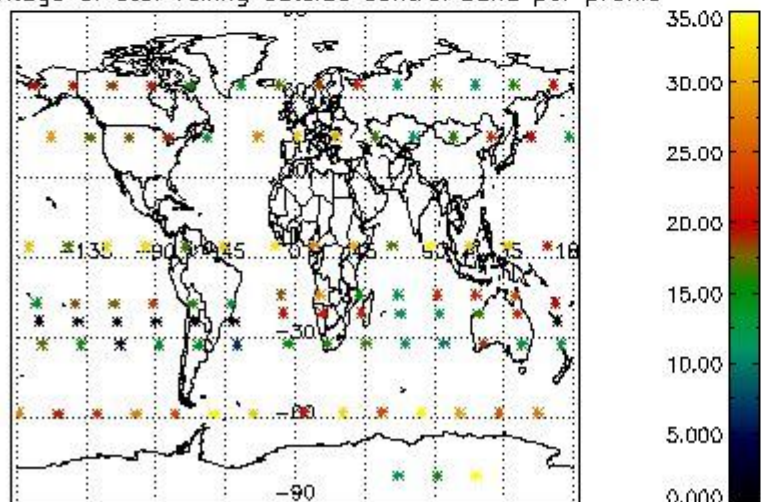
Percentage of cosmic ray hits per profile



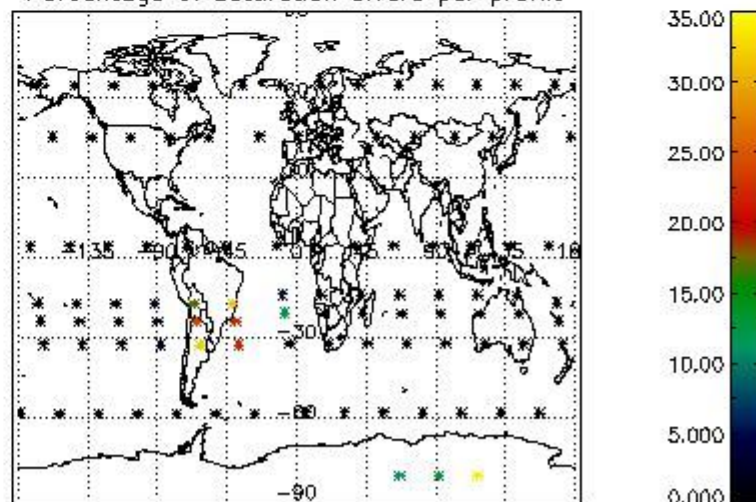
Percentage of datation errors per profile



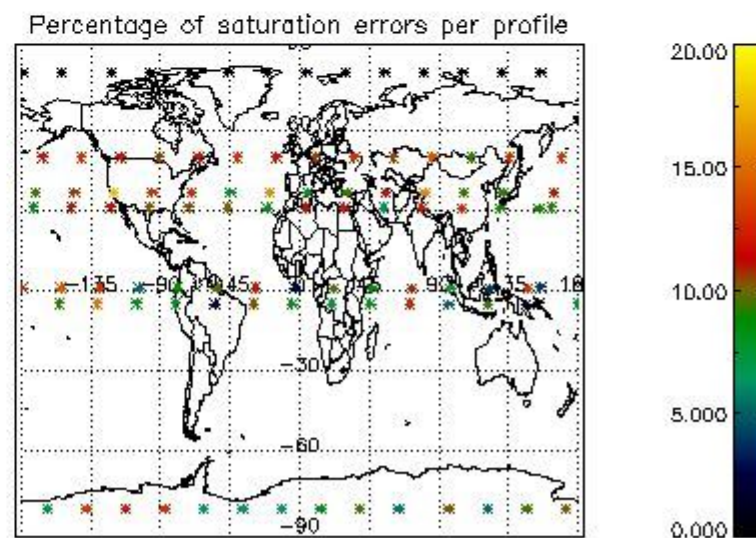
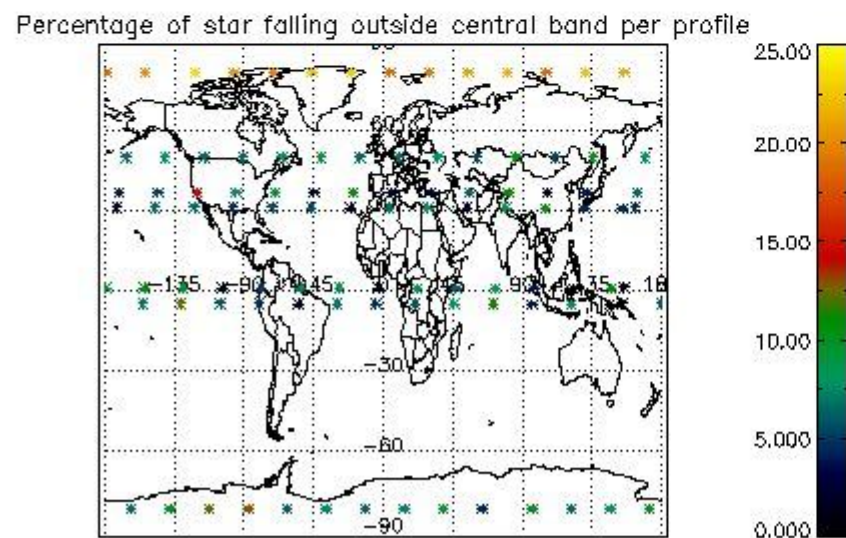
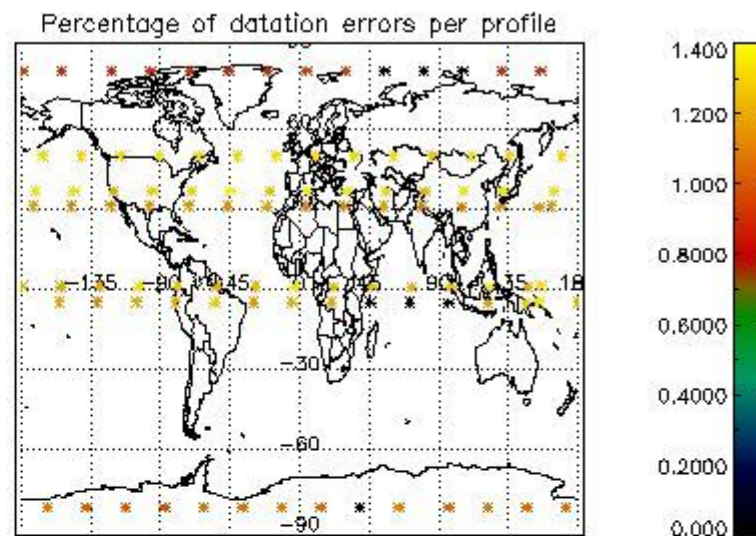
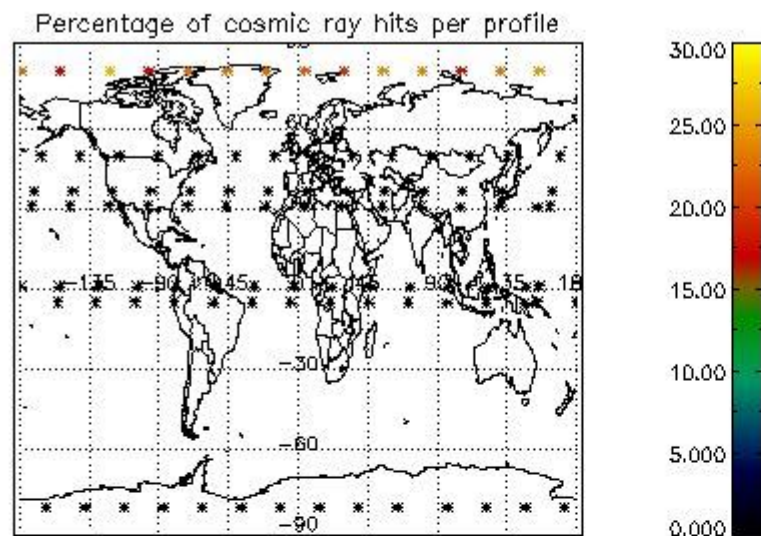
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

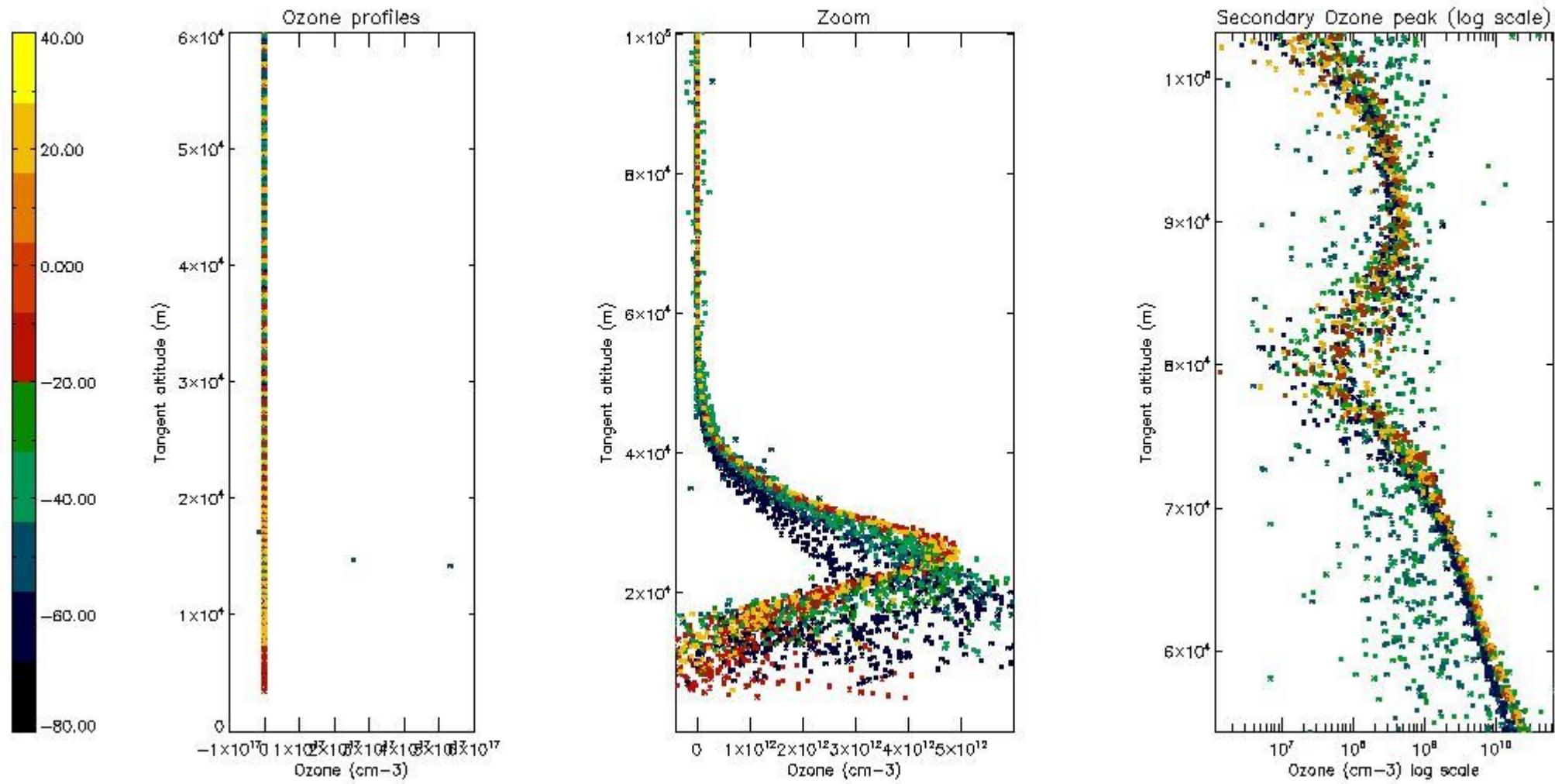
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	45
STD < 20	24

STD < 10	18
STD < 5	15

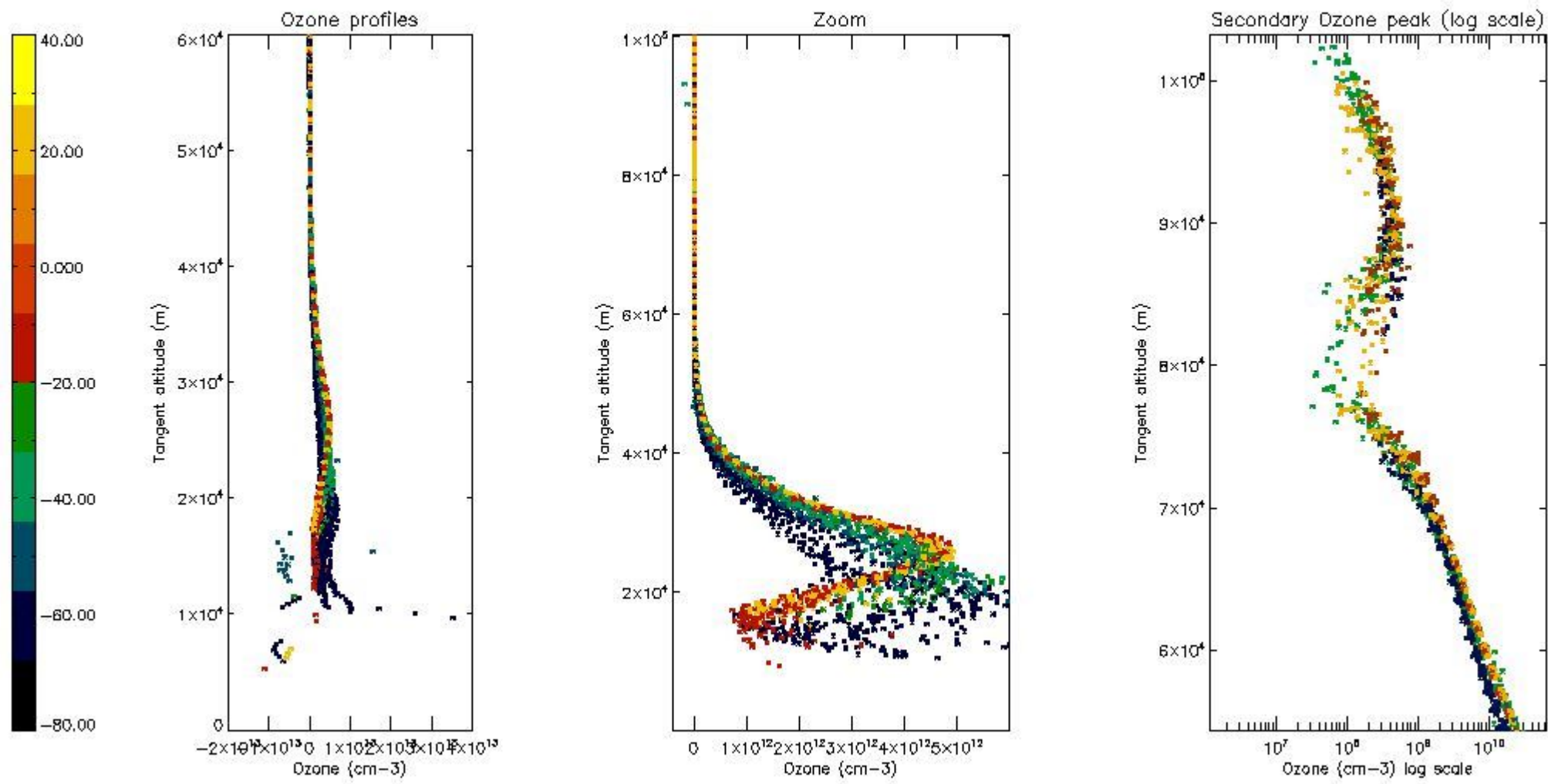
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



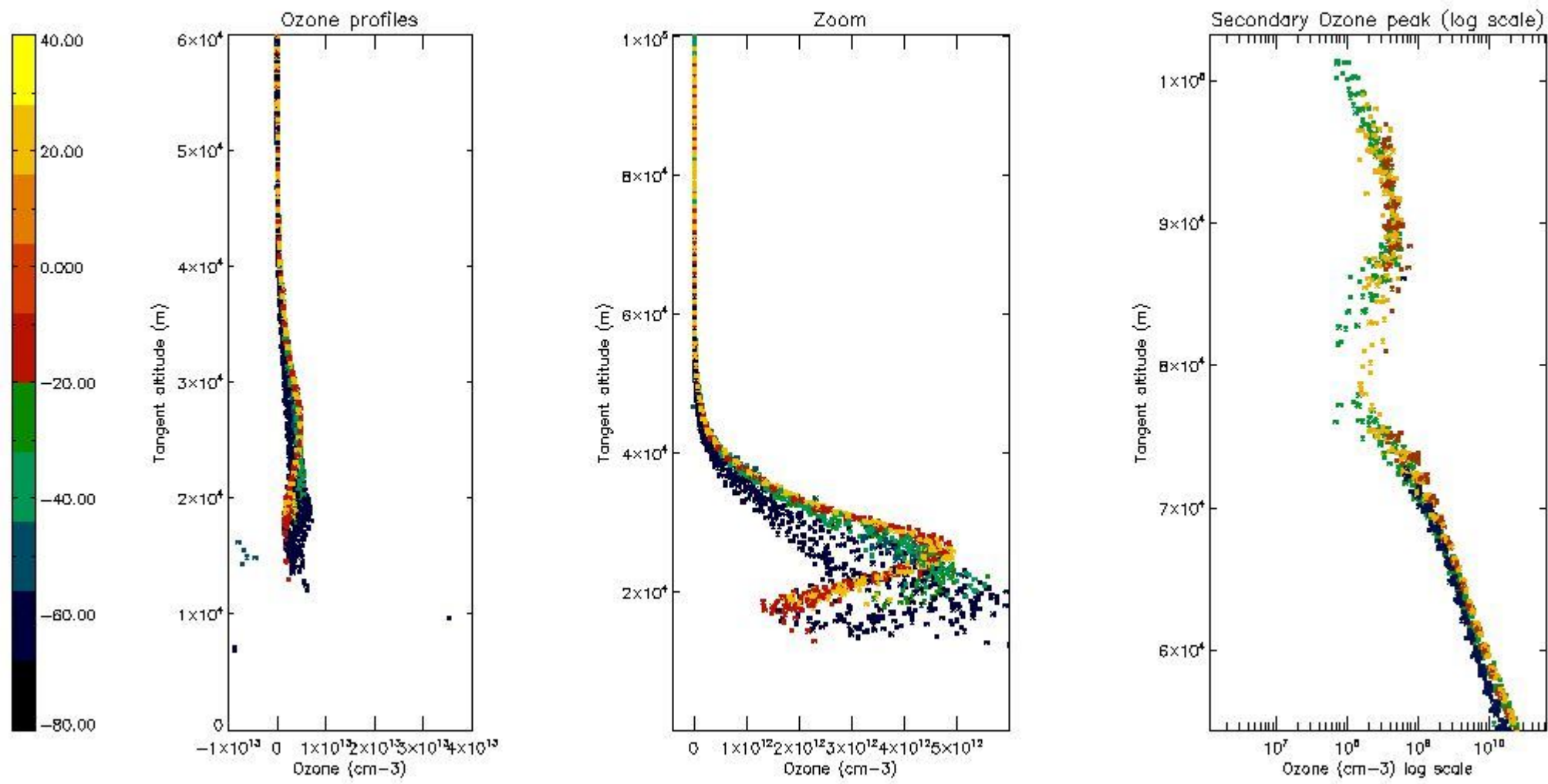
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



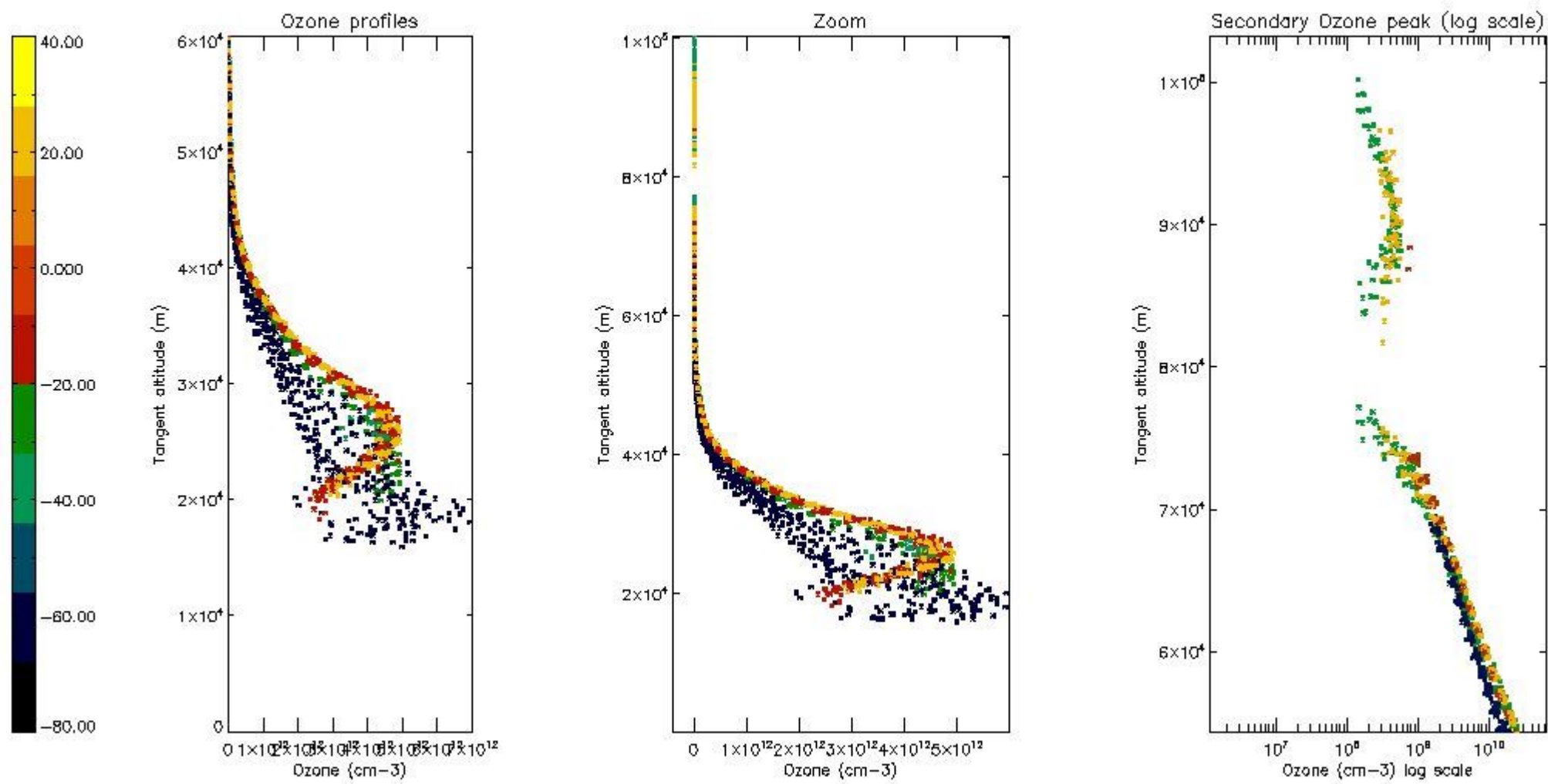
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



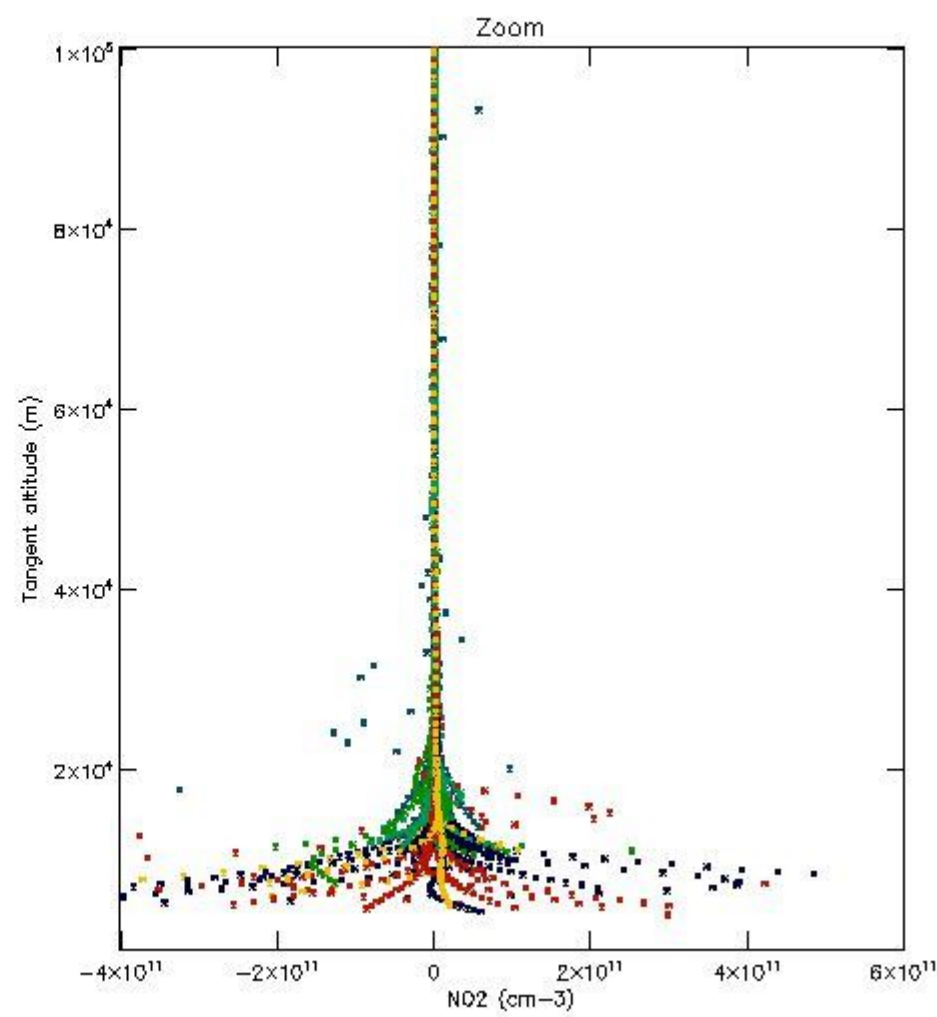
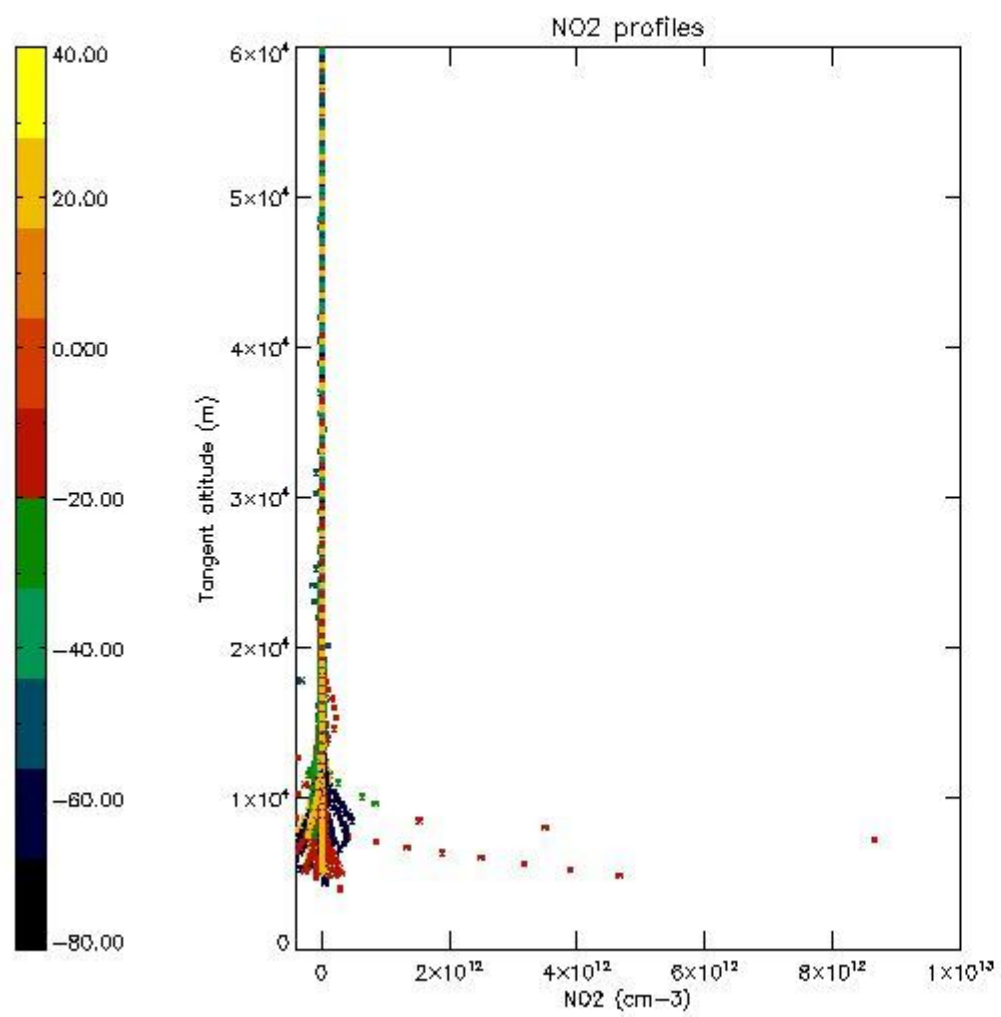
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



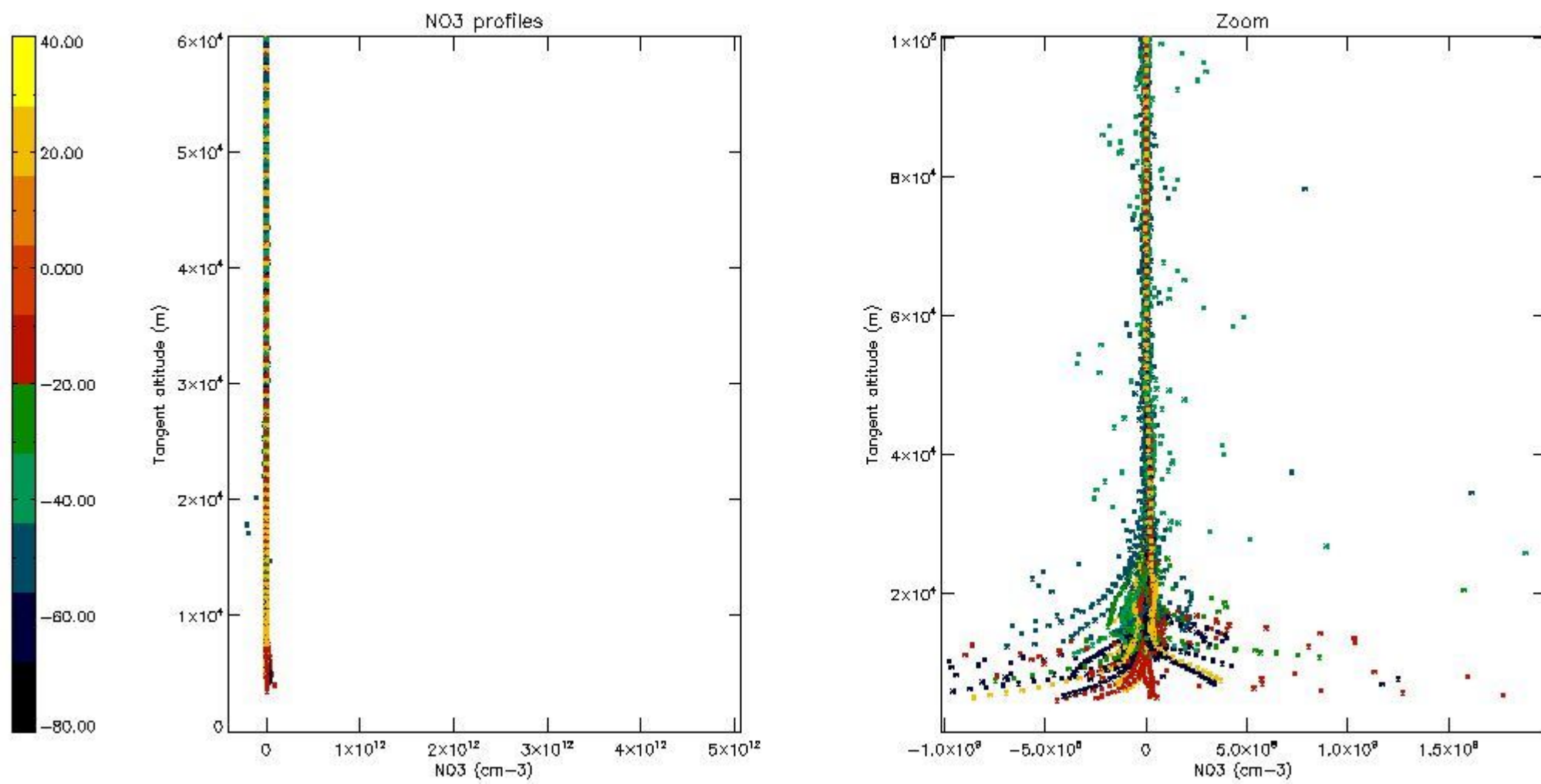
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



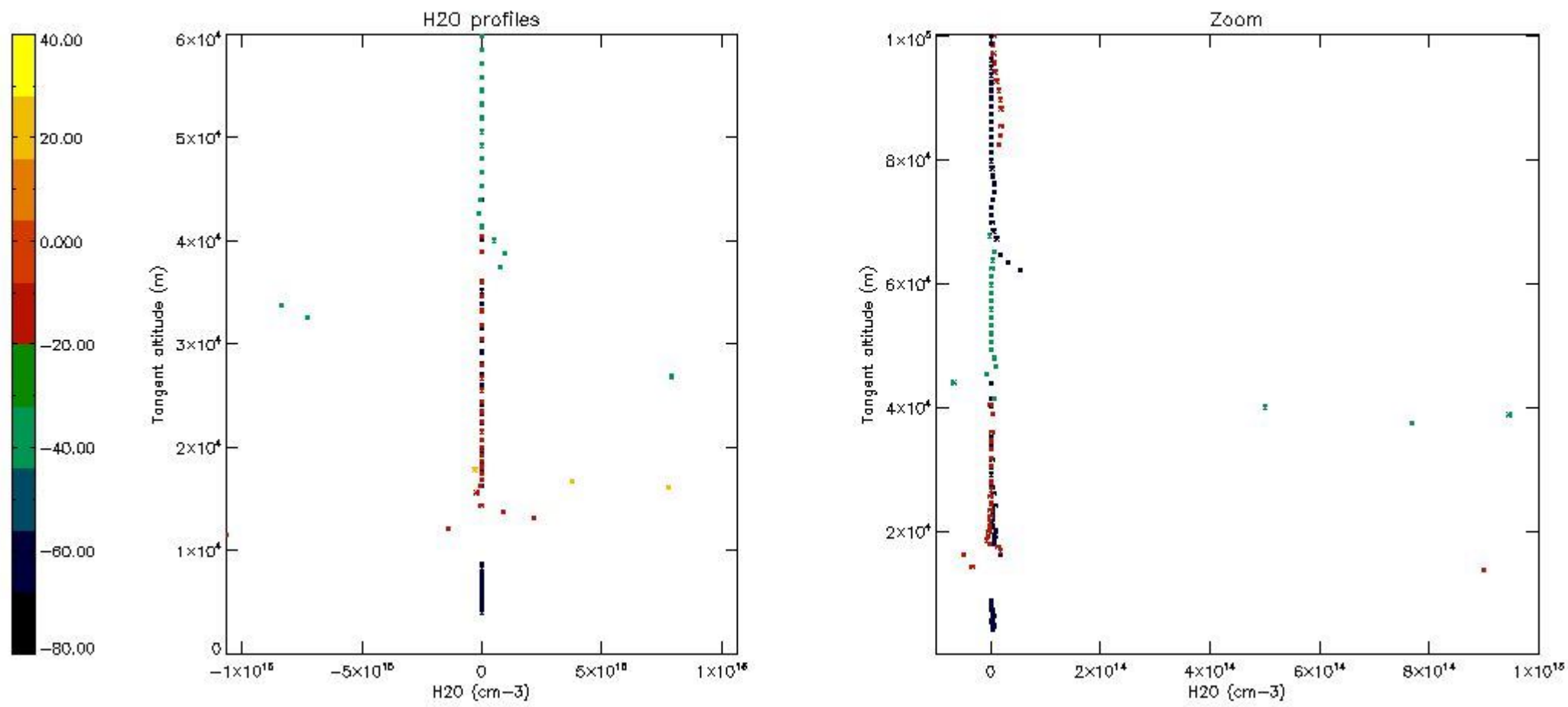
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



5.8 Plot H2O profiles for all STD (only for occultations of stars 1,2,3,4,13,14,16,26,63 dark without errors)

The colorbar represents the latitude.



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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	21-SEP-2010 00:01:24
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	21-SEP-2010 00:01:24
CROSS_SECTIONS_FILE	GOM_CR2_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	21-SEP-2010 00:01:24

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	29APR2013 15:20:33
Data source version	GOMOS/6.01
Start time of products	21-09-2010 (21SEP2010 00:00:00)
Stop time of products	22-09-2010 (22SEP2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	202
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__2PRFIN20100921_000124_000000442093_00102_44745_8570.N1	21-SEP-2010 00:01:24	Bright	44.000	58	21Alp And	2.0730	11000.	88	44745	No
2	GOM_NL__2PRFIN20100921_000948_000000422093_00102_44745_8571.N1	21-SEP-2010 00:09:48	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	44745	No
3	GOM_NL__2PRFIN20100921_001127_000000392093_00102_44745_8572.N1	21-SEP-2010 00:11:27	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	44745	No
4	GOM_NL__2PRFIN20100921_003440_000000462093_00102_44745_8573.N1	21-SEP-2010 00:34:40	Bright	45.500	24	66Alp Gem	1.5800	10200.	91	44745	No
5	GOM_NL__2PRFIN20100921_004352_000000642093_00102_44745_8574.N1	21-SEP-2010 00:43:52	Dark	64.000	8	10Alp CMi	0.40000	6500.0	128	44745	No
6	GOM_NL__2PRFIN20100921_005114_000000392093_00102_44745_8575.N1	21-SEP-2010 00:51:14	Dark	39.000	132	15Rho Pup	2.8030	6900.0	78	44745	No
7	GOM_NL__2PRFIN20100921_005339_000000502093_00102_44745_8576.N1	21-SEP-2010 00:53:39	Dark	50.000	1	9Alp CMa	-1.4400	11000.	100	44745	No
8	GOM_NL__2PRFIN20100921_005533_000000482093_00102_44745_8577.N1	21-SEP-2010 00:55:33	Dark	47.500	23	21Eps CMa	1.5020	26000.	95	44745	No
9	GOM_NL__2PRFIN20100921_010132_000000552093_00103_44746_8575.N1	21-SEP-2010 01:01:32	Dark	54.500	2	Alp Car	-0.73600	7000.0	109	44746	No
10	GOM_NL__2PRFIN20100921_011302_000000432093_00103_44746_8576.N1	21-SEP-2010 01:13:02	Dark	42.500	9	Alp Eri	0.45300	24000.	85	44746	No
11	GOM_NL__2PRFIN20100921_011839_000000442093_00103_44746_8577.N1	21-SEP-2010 01:18:39	Straylight	44.000	84	Alp Phe	2.3970	4500.0	88	44746	No
12	GOM_NL__2PRFIN20100921_012602_000000562093_00103_44746_8578.N1	21-SEP-2010 01:26:02	Twilight_and_stray	56.000	52	16Bet Cet	2.0370	4500.0	112	44746	No
13	GOM_NL__2PRFIN20100921_013635_000000392093_00103_44746_8579.N1	21-SEP-2010 01:36:35	Bright	39.000	90	54Alp Peg	2.4870	11000.	78	44746	No
14	GOM_NL__2PRFIN20100921_014022_000000382093_00103_44746_8580.N1	21-SEP-2010 01:40:22	Bright	37.500	93	53Bet Peg	2.5200	3100.0	75	44746	No
15	GOM_NL__2PRFIN20100921_014159_000000442093_00103_44746_8581.N1	21-SEP-2010 01:41:59	Bright	44.000	58	21Alp And	2.0730	11000.	88	44746	No
16	GOM_NL__2PRFIN20100921_015023_000000372093_00103_44746_8582.N1	21-SEP-2010 01:50:23	Bright	37.000	74	11Bet Cas	2.2680	6600.0	74	44746	No
17	GOM_NL__2PRFIN20100921_015202_000000432093_00103_44746_8583.N1	21-SEP-2010 01:52:02	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	44746	No
18	GOM_NL__2PRFIN20100921_021516_000000482093_00103_44746_8584.N1	21-SEP-2010 02:15:16	Bright	47.500	24	66Alp Gem	1.5800	10200.	95	44746	No
19	GOM_NL__2PRFIN20100921_022429_000000682093_00103_44746_8585.N1	21-SEP-2010 02:24:29	Dark	68.000	8	10Alp CMi	0.40000	6500.0	136	44746	No
20	GOM_NL__2PRFIN20100921_023150_000000442093_00103_44746_8586.N1	21-SEP-2010 02:31:50	Dark	43.500	132	15Rho Pup	2.8030	6900.0	87	44746	No
21	GOM_NL__2PRFIN20100921_023416_000000442093_00103_44746_8587.N1	21-SEP-2010 02:34:16	Dark	44.000	1	9Alp CMa	-1.4400	11000.	88	44746	No
22	GOM_NL__2PRFIN20100921_023610_000000502093_00103_44746_8588.N1	21-SEP-2010 02:36:10	Dark	50.000	23	21Eps CMa	1.5020	26000.	100	44746	No
23	GOM_NL__2PRFIN20100921_024208_000000452093_00104_44747_8585.N1	21-SEP-2010 02:42:08	Dark	45.000	2	Alp Car	-0.73600	7000.0	90	44747	No
24	GOM_NL__2PRFIN20100921_025338_000000452093_00104_44747_8586.N1	21-SEP-2010 02:53:38	Dark	44.500	9	Alp Eri	0.45300	24000.	89	44747	No
25	GOM_NL__2PRFIN20100921_025915_000000472093_00104_44747_8587.N1	21-SEP-2010 02:59:15	Straylight	47.000	84	Alp Phe	2.3970	4500.0	94	44747	No
26	GOM_NL__2PRFIN20100921_030638_000000542093_00104_44747_8588.N1	21-SEP-2010 03:06:38	Twilight_and_stray	54.000	52	16Bet Cet	2.0370	4500.0	108	44747	No
27	GOM_NL__2PRFIN20100921_031711_000000382093_00104_44747_8589.N1	21-SEP-2010 03:17:11	Bright	37.500	90	54Alp Peg	2.4870	11000.	75	44747	No
28	GOM_NL__2PRFIN20100921_032058_000000382093_00104_44747_8590.N1	21-SEP-2010 03:20:58	Bright	37.500	93	53Bet Peg	2.5200	3100.0	75	44747	No
29	GOM_NL__2PRFIN20100921_032234_000000472093_00104_44747_8591.N1	21-SEP-2010 03:22:34	Bright	47.000	58	21Alp And	2.0730	11000.	94	44747	No
30	GOM_NL__2PRFIN20100921_033058_000000402093_00104_44747_8592.N1	21-SEP-2010 03:30:58	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	44747	No
31	GOM_NL__2PRFIN20100921_033238_000000412093_00104_44747_8593.N1	21-SEP-2010 03:32:38	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	44747	No
32	GOM_NL__2PRFIN20100921_035552_000000482093_00104_44747_8594.N1	21-SEP-2010 03:55:52	Bright	47.500	24	66Alp Gem	1.5800	10200.	95	44747	No
33	GOM_NL__2PRFIN20100921_040505_000000592093_00104_44747_8595.N1	21-SEP-2010 04:05:05	Dark	58.500	8	10Alp CMi	0.40000	6500.0	117	44747	No
34	GOM_NL__2PRFIN20100921_041227_000000432093_00104_44747_8596.N1	21-SEP-2010 04:12:27	Dark	43.000	132	15Rho Pup	2.8030	6900.0	86	44747	No
35	GOM_NL__2PRFIN20100921_041453_000000442093_00104_44747_8597.N1	21-SEP-2010 04:14:53	Dark	44.000	1	9Alp CMa	-1.4400	11000.	88	44747	No
36	GOM_NL__2PRFIN20100921_041647_000000552093_00104_44747_8598.N1	21-SEP-2010 04:16:47	Dark	55.000	23	21Eps CMa	1.5020	26000.	110	44747	No
37	GOM_NL__2PRFIN20100921_042245_000000552093_00105_44748_8597.N1	21-SEP-2010 04:22:45	Dark	55.000	2	Alp Car	-0.73600	7000.0	110	44748	No
38	GOM_NL__2PRFIN20100921_043415_000000452093_00105_44748_8598.N1	21-SEP-2010 04:34:15	Dark	44.500	9	Alp Eri	0.45300	24000.	89	44748	No
39	GOM_NL__2PRFIN20100921_043951_000000462093_00105_44748_8599.N1	21-SEP-2010 04:39:51	Straylight	45.500	84	Alp Phe	2.3970	4500.0	91	44748	No
40	GOM_NL__2PRFIN20100921_044714_000000562093_00105_44748_8600.N1	21-SEP-2010 04:47:14	Twilight_and_stray	56.000	52	16Bet Cet	2.0370	4500.0	112	44748	No
41	GOM_NL__2PRFIN20100921_045747_000000392093_00105_44748_8601.N1	21-SEP-2010 04:57:47	Bright	39.000	90	54Alp Peg	2.4870	11000.	78	44748	No
42	GOM_NL__2PRFIN20100921_050134_000000412093_00105_44748_8602.N1	21-SEP-2010 05:01:34	Bright	40.500	93	53Bet Peg	2.5200	3100.0	81	44748	No

43	GOM_NL__2PRFIN20100921_050310_000000462093_00105_44748_8603.N1	21-SEP-2010 05:03:10	Bright	46.000	58	21Alp And	2.0730	11000.	92	44748	No
44	GOM_NL__2PRFIN20100921_051134_000000422093_00105_44748_8604.N1	21-SEP-2010 05:11:34	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	44748	No
45	GOM_NL__2PRFIN20100921_051313_000000442093_00105_44748_8605.N1	21-SEP-2010 05:13:13	Bright	44.000	76	27Gam Cas	2.3000	30000.	88	44748	No
46	GOM_NL__2PRFIN20100921_053628_000000472093_00105_44748_8606.N1	21-SEP-2010 05:36:28	Bright	46.500	24	66Alp Gem	1.5800	10200.	93	44748	No
47	GOM_NL__2PRFIN20100921_054542_000000622093_00105_44748_8607.N1	21-SEP-2010 05:45:42	Dark	62.000	8	10Alp CMi	0.40000	6500.0	124	44748	No
48	GOM_NL__2PRFIN20100921_055303_000000382093_00105_44748_8608.N1	21-SEP-2010 05:53:03	Dark	38.000	132	15Rho Pup	2.8030	6900.0	76	44748	No
49	GOM_NL__2PRFIN20100921_055531_000000372093_00105_44748_8609.N1	21-SEP-2010 05:55:31	Dark	37.000	1	9Alp CMa	-1.4400	11000.	74	44748	No
50	GOM_NL__2PRFIN20100921_055724_000000512093_00105_44748_8610.N1	21-SEP-2010 05:57:24	Dark	51.000	23	21Eps CMa	1.5020	26000.	102	44748	No
51	GOM_NL__2PRFIN20100921_060322_000000552093_00106_44749_8630.N1	21-SEP-2010 06:03:22	Dark	55.000	2	Alp Car	-0.73600	7000.0	110	44749	No
52	GOM_NL__2PRFIN20100921_061451_000000442093_00106_44749_8631.N1	21-SEP-2010 06:14:51	Dark	44.000	9	Alp Eri	0.45300	24000.	88	44749	No
53	GOM_NL__2PRFIN20100921_062028_000000472093_00106_44749_8632.N1	21-SEP-2010 06:20:28	Straylight	46.500	84	Alp Phe	2.3970	4500.0	93	44749	No
54	GOM_NL__2PRFIN20100921_062750_000000562093_00106_44749_8633.N1	21-SEP-2010 06:27:50	Twilight_stray	56.000	52	16Bet Cet	2.0370	4500.0	112	44749	No
55	GOM_NL__2PRFIN20100921_063823_000000382093_00106_44749_8634.N1	21-SEP-2010 06:38:23	Bright	38.000	90	54Alp Peg	2.4870	11000.	76	44749	No
56	GOM_NL__2PRFIN20100921_064209_000000392093_00106_44749_8635.N1	21-SEP-2010 06:42:09	Bright	38.500	93	53Bet Peg	2.5200	3100.0	77	44749	No
57	GOM_NL__2PRFIN20100921_064345_000000432093_00106_44749_8636.N1	21-SEP-2010 06:43:45	Bright	43.000	58	21Alp And	2.0730	11000.	86	44749	No
58	GOM_NL__2PRFIN20100921_065210_000000402093_00106_44749_8637.N1	21-SEP-2010 06:52:10	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	44749	No
59	GOM_NL__2PRFIN20100921_065349_000000422093_00106_44749_8638.N1	21-SEP-2010 06:53:49	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	44749	No
60	GOM_NL__2PRFIN20100921_071704_000000472093_00106_44749_8639.N1	21-SEP-2010 07:17:04	Bright	47.000	24	66Alp Gem	1.5800	10200.	94	44749	No
61	GOM_NL__2PRFIN20100921_072618_000000572093_00106_44749_8640.N1	21-SEP-2010 07:26:18	Dark	57.000	8	10Alp CMi	0.40000	6500.0	114	44749	No
62	GOM_NL__2PRFIN20100921_073340_000000442093_00106_44749_8641.N1	21-SEP-2010 07:33:40	Dark	43.500	132	15Rho Pup	2.8030	6900.0	87	44749	No
63	GOM_NL__2PRFIN20100921_073608_000000372093_00106_44749_8642.N1	21-SEP-2010 07:36:08	Dark	37.000	1	9Alp CMa	-1.4400	11000.	74	44749	No
64	GOM_NL__2PRFIN20100921_073801_000000522093_00106_44749_8643.N1	21-SEP-2010 07:38:01	Dark	52.000	23	21Eps CMa	1.5020	26000.	104	44749	No
65	GOM_NL__2PRFIN20100921_074358_000000452093_00107_44750_8656.N1	21-SEP-2010 07:43:58	Dark	45.000	2	Alp Car	-0.73600	7000.0	90	44750	No
66	GOM_NL__2PRFIN20100921_075528_000000522093_00107_44750_8657.N1	21-SEP-2010 07:55:28	Dark	51.500	9	Alp Eri	0.45300	24000.	103	44750	No
67	GOM_NL__2PRFIN20100921_080104_000000462093_00107_44750_8658.N1	21-SEP-2010 08:01:04	Straylight	45.500	84	Alp Phe	2.3970	4500.0	91	44750	No
68	GOM_NL__2PRFIN20100921_080826_000000542093_00107_44750_8659.N1	21-SEP-2010 08:08:26	Twilight_stray	53.500	52	16Bet Cet	2.0370	4500.0	107	44750	No
69	GOM_NL__2PRFIN20100921_081858_000000392093_00107_44750_8660.N1	21-SEP-2010 08:18:58	Bright	38.500	90	54Alp Peg	2.4870	11000.	77	44750	No
70	GOM_NL__2PRFIN20100921_082245_000000372093_00107_44750_8661.N1	21-SEP-2010 08:22:45	Bright	37.000	93	53Bet Peg	2.5200	3100.0	74	44750	No
71	GOM_NL__2PRFIN20100921_082421_000000462093_00107_44750_8662.N1	21-SEP-2010 08:24:21	Bright	45.500	58	21Alp And	2.0730	11000.	91	44750	No
72	GOM_NL__2PRFIN20100921_083245_000000412093_00107_44750_8663.N1	21-SEP-2010 08:32:45	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	44750	No
73	GOM_NL__2PRFIN20100921_083424_000000422093_00107_44750_8664.N1	21-SEP-2010 08:34:24	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	44750	No
74	GOM_NL__2PRFIN20100921_085740_000000472093_00107_44750_8665.N1	21-SEP-2010 08:57:40	Bright	47.000	24	66Alp Gem	1.5800	10200.	94	44750	No
75	GOM_NL__2PRFIN20100921_090655_000000562093_00107_44750_8666.N1	21-SEP-2010 09:06:55	Dark	56.000	8	10Alp CMi	0.40000	6500.0	112	44750	No
76	GOM_NL__2PRFIN20100921_091416_000000442093_00107_44750_8667.N1	21-SEP-2010 09:14:16	Dark	44.000	132	15Rho Pup	2.8030	6900.0	88	44750	No
77	GOM_NL__2PRFIN20100921_091645_000000302093_00107_44750_8668.N1	21-SEP-2010 09:16:45	Dark	30.000	1	9Alp CMa	-1.4400	11000.	60	44750	No
78	GOM_NL__2PRFIN20100921_091838_000000502093_00107_44750_8669.N1	21-SEP-2010 09:18:38	Dark	49.500	23	21Eps CMa	1.5020	26000.	99	44750	No
79	GOM_NL__2PRFIN20100921_092435_000000552093_00108_44751_8683.N1	21-SEP-2010 09:24:35	Dark	54.500	2	Alp Car	-0.73600	7000.0	109	44751	No
80	GOM_NL__2PRFIN20100921_093604_000000422093_00108_44751_8684.N1	21-SEP-2010 09:36:04	Dark	42.000	9	Alp Eri	0.45300	24000.	84	44751	No
81	GOM_NL__2PRFIN20100921_094141_000000462093_00108_44751_8685.N1	21-SEP-2010 09:41:41	Straylight	46.000	84	Alp Phe	2.3970	4500.0	92	44751	No
82	GOM_NL__2PRFIN20100921_094902_000000552093_00108_44751_8686.N1	21-SEP-2010 09:49:02	Twilight_stray	55.000	52	16Bet Cet	2.0370	4500.0	110	44751	No
83	GOM_NL__2PRFIN20100921_095934_000000382093_00108_44751_8687.N1	21-SEP-2010 09:59:34	Bright	38.000	90	54Alp Peg	2.4870	11000.	76	44751	No
84	GOM_NL__2PRFIN20100921_100321_000000372093_00108_44751_8688.N1	21-SEP-2010 10:03:21	Bright	37.000	93	53Bet Peg	2.5200	3100.0	74	44751	No
85	GOM_NL__2PRFIN20100921_100456_000000452093_00108_44751_8689.N1	21-SEP-2010 10:04:56	Bright	45.000	58	21Alp And	2.0730	11000.	90	44751	No
86	GOM_NL__2PRFIN20100921_101321_000000382093_00108_44751_8690.N1	21-SEP-2010 10:13:21	Bright	37.500	74	11Bet Cas	2.2680	6600.0	75	44751	No
87	GOM_NL__2PRFIN20100921_101500_000000422093_00108_44751_8691.N1	21-SEP-2010 10:15:00	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	44751	No
88	GOM_NL__2PRFIN20100921_103816_000000512093_00108_44751_8692.N1	21-SEP-2010 10:38:16	Bright	50.500	24	66Alp Gem	1.5800	10200.	101	44751	No
89	GOM_NL__2PRFIN20100921_104732_000000612093_00108_44751_8693.N1	21-SEP-2010 10:47:32	Dark	60.500	8	10Alp CMi	0.40000	6500.0	121	44751	No
90	GOM_NL__2PRFIN20100921_105453_000000432093_00108_44751_8694.N1	21-SEP-2010 10:54:53	Dark	42.500	132	15Rho Pup	2.8030	6900.0	85	44751	No
91	GOM_NL__2PRFIN20100921_105722_000000302093_00108_44751_8695.N1	21-SEP-2010 10:57:22	Dark	30.000	1	9Alp CMa	-1.4400	11000.	60	44751	No
92	GOM_NL__2PRFIN20100921_105915_000000532093_00108_44751_8696.N1	21-SEP-2010 10:59:15	Dark	53.000	23	21Eps CMa	1.5020	26000.	106	44751	No
93	GOM_NL__2PRFIN20100921_110511_000000472093_00109_44752_8707.N1	21-SEP-2010 11:05:11	Dark	46.500	2	Alp Car	-0.73600	7000.0	93	44752	No
94	GOM_NL__2PRFIN20100921_111640_000000452093_00109_44752_8708.N1	21-SEP-2010 11:16:40	Dark	45.000	9	Alp Eri	0.45300	24000.	90	44752	No
95	GOM_NL__2PRFIN20100921_112217_000000442093_00109_44752_8709.N1	21-SEP-2010 11:22:17	Straylight	44.000	84	Alp Phe	2.3970	4500.0	88	44752	No
96	GOM_NL__2PRFIN20100921_112938_000000552093_00109_44752_8710.N1	21-SEP-2010 11:29:38	Twilight_stray	54.500	52	16Bet Cet	2.0370	4500.0	109	44752	No
97	GOM_NL__2PRFIN20100921_114010_000000382093_00109_44752_8711.N1	21-SEP-2010 11:40:10	Bright	38.000	90	54Alp Peg	2.4870	11000.	76	44752	No
98	GOM_NL__2PRFIN20100921_114356_000000412093_00109_44752_8712.N1	21-SEP-2010 11:43:56	Bright	40.500	93	53Bet Peg	2.5200	3100.0	81	44752	No
99	GOM_NL__2PRFIN20100921_114531_000000432093_00109_44752_8713.N1	21-SEP-2010 11:45:31	Bright	43.000	58	21Alp And	2.0730	11000.	86	44752	No
100	GOM_NL__2PRFIN20100921_115356_000000412093_00109_44752_8714.N1	21-SEP-2010 11:53:56	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	44752	No
101	GOM_NL__2PRFIN20100921_115535_000000442093_00109_44752_8715.N1	21-SEP-2010 11:55:35	Bright	43.500	76	27Gam Cas	2.3000	30000.	87	44752	No

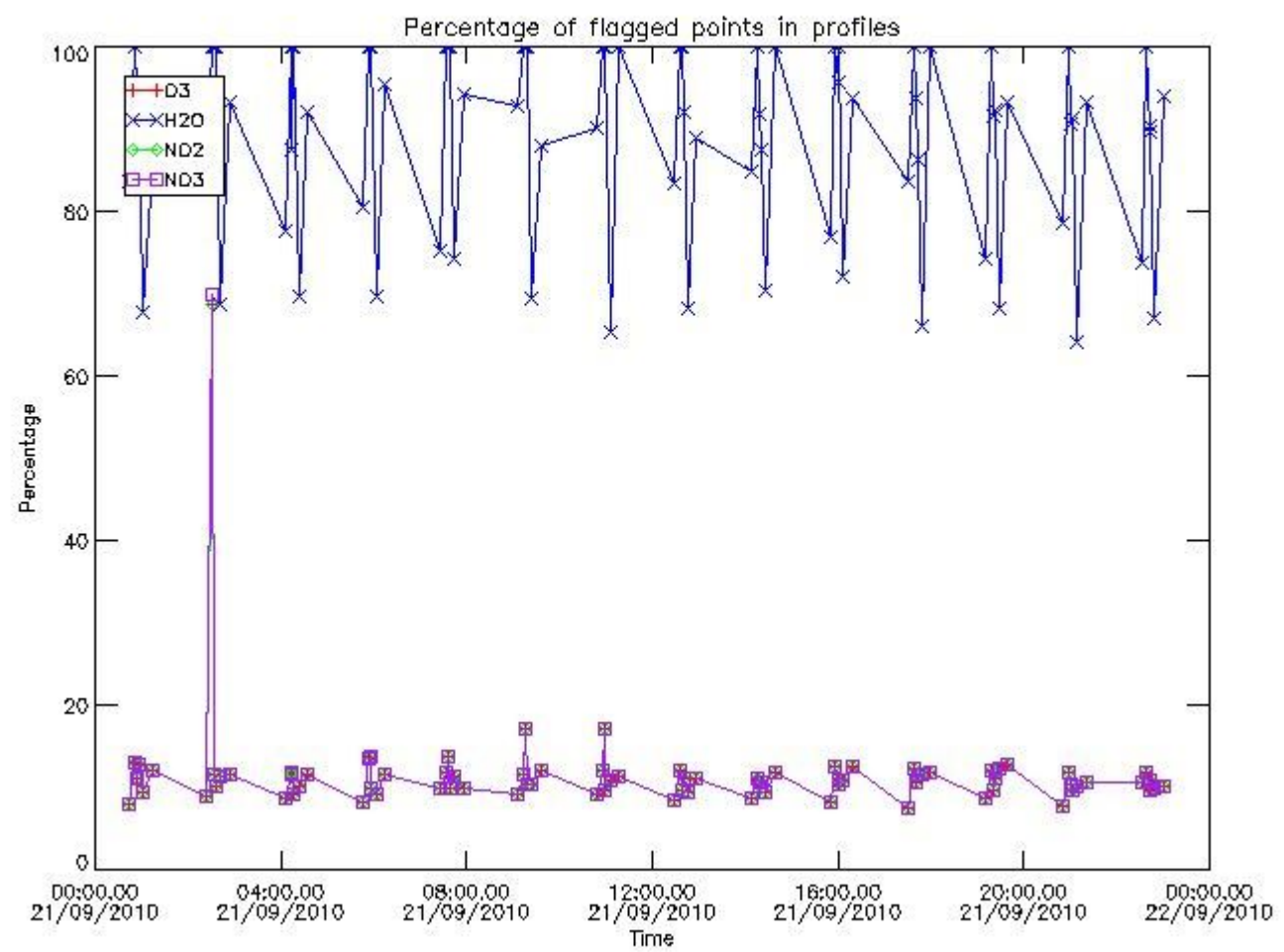
102	GOM_NL__2PRFIN20100921_121852_000000502093_00109_44752_8716.N1	21-SEP-2010 12:18:52	Bright	49.500	24	66Alp Gem	1.5800	10200.	99	44752	No
103	GOM_NL__2PRFIN20100921_122808_000000612093_00109_44752_8717.N1	21-SEP-2010 12:28:08	Dark	61.000	8	10Alp CMi	0.40000	6500.0	122	44752	No
104	GOM_NL__2PRFIN20100921_123529_000000422093_00109_44752_8718.N1	21-SEP-2010 12:35:29	Dark	42.000	132	15Rho Pup	2.8030	6900.0	84	44752	No
105	GOM_NL__2PRFIN20100921_123843_000000542093_00109_44752_8719.N1	21-SEP-2010 12:38:43	Dark	53.500	37	25Del CMa	1.8300	5900.0	107	44752	No
106	GOM_NL__2PRFIN20100921_124039_000000512093_00109_44752_8720.N1	21-SEP-2010 12:40:39	Dark	50.500	117	Pi Pup	2.7060	3800.0	101	44752	No
107	GOM_NL__2PRFIN20100921_124548_000000542093_00110_44753_8818.N1	21-SEP-2010 12:45:48	Dark	54.000	2	Alp Car	-0.73600	7000.0	108	44753	No
108	GOM_NL__2PRFIN20100921_125717_000000462093_00110_44753_8819.N1	21-SEP-2010 12:57:17	Dark	46.000	9	Alp Eri	0.45300	24000.	92	44753	No
109	GOM_NL__2PRFIN20100921_130253_000000412093_00110_44753_8820.N1	21-SEP-2010 13:02:53	Straylight	41.000	84	Alp Phe	2.3970	4500.0	82	44753	No
110	GOM_NL__2PRFIN20100921_131014_000000542093_00110_44753_8821.N1	21-SEP-2010 13:10:14	Tw_i_and_stray	54.000	52	16Bet Cet	2.0370	4500.0	108	44753	No
111	GOM_NL__2PRFIN20100921_132046_000000392093_00110_44753_8822.N1	21-SEP-2010 13:20:46	Bright	38.500	90	54Alp Peg	2.4870	11000.	77	44753	No
112	GOM_NL__2PRFIN20100921_132432_000000372093_00110_44753_8823.N1	21-SEP-2010 13:24:32	Bright	37.000	93	53Bet Peg	2.5200	3100.0	74	44753	No
113	GOM_NL__2PRFIN20100921_132607_000000452093_00110_44753_8824.N1	21-SEP-2010 13:26:07	Bright	44.500	58	21Alp And	2.0730	11000.	89	44753	No
114	GOM_NL__2PRFIN20100921_133431_000000412093_00110_44753_8825.N1	21-SEP-2010 13:34:31	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	44753	No
115	GOM_NL__2PRFIN20100921_133610_000000402093_00110_44753_8826.N1	21-SEP-2010 13:36:10	Bright	39.500	76	27Gam Cas	2.3000	30000.	79	44753	No
116	GOM_NL__2PRFIN20100921_135928_000000502093_00110_44753_8827.N1	21-SEP-2010 13:59:28	Bright	49.500	24	66Alp Gem	1.5800	10200.	99	44753	No
117	GOM_NL__2PRFIN20100921_140845_000000602093_00110_44753_8828.N1	21-SEP-2010 14:08:45	Dark	59.500	8	10Alp CMi	0.40000	6500.0	119	44753	No
118	GOM_NL__2PRFIN20100921_141606_000000462093_00110_44753_8829.N1	21-SEP-2010 14:16:06	Dark	45.500	132	15Rho Pup	2.8030	6900.0	91	44753	No
119	GOM_NL__2PRFIN20100921_141920_000000502093_00110_44753_8830.N1	21-SEP-2010 14:19:20	Dark	50.000	37	25Del CMa	1.8300	5900.0	100	44753	No
120	GOM_NL__2PRFIN20100921_142115_000000492093_00110_44753_8831.N1	21-SEP-2010 14:21:15	Dark	48.500	117	Pi Pup	2.7060	3800.0	97	44753	No
121	GOM_NL__2PRFIN20100921_142624_000000552093_00111_44754_8850.N1	21-SEP-2010 14:26:24	Dark	54.500	2	Alp Car	-0.73600	7000.0	109	44754	No
122	GOM_NL__2PRFIN20100921_143753_000000442093_00111_44754_8851.N1	21-SEP-2010 14:37:53	Dark	43.500	9	Alp Eri	0.45300	24000.	87	44754	No
123	GOM_NL__2PRFIN20100921_144329_000000442093_00111_44754_8852.N1	21-SEP-2010 14:43:29	Straylight	43.500	84	Alp Phe	2.3970	4500.0	87	44754	No
124	GOM_NL__2PRFIN20100921_145051_000000542093_00111_44754_8853.N1	21-SEP-2010 14:50:51	Tw_i_and_stray	53.500	52	16Bet Cet	2.0370	4500.0	107	44754	No
125	GOM_NL__2PRFIN20100921_150122_000000382093_00111_44754_8854.N1	21-SEP-2010 15:01:22	Bright	38.000	90	54Alp Peg	2.4870	11000.	76	44754	No
126	GOM_NL__2PRFIN20100921_150508_000000392093_00111_44754_8855.N1	21-SEP-2010 15:05:08	Bright	39.000	93	53Bet Peg	2.5200	3100.0	78	44754	No
127	GOM_NL__2PRFIN20100921_150642_000000442093_00111_44754_8856.N1	21-SEP-2010 15:06:42	Bright	44.000	58	21Alp And	2.0730	11000.	88	44754	No
128	GOM_NL__2PRFIN20100921_151507_000000402093_00111_44754_8857.N1	21-SEP-2010 15:15:07	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	44754	No
129	GOM_NL__2PRFIN20100921_151646_000000422093_00111_44754_8858.N1	21-SEP-2010 15:16:46	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	44754	No
130	GOM_NL__2PRFIN20100921_154004_000000472093_00111_44754_8859.N1	21-SEP-2010 15:40:04	Bright	46.500	24	66Alp Gem	1.5800	10200.	93	44754	No
131	GOM_NL__2PRFIN20100921_154921_000000632093_00111_44754_8860.N1	21-SEP-2010 15:49:21	Dark	63.000	8	10Alp CMi	0.40000	6500.0	126	44754	No
132	GOM_NL__2PRFIN20100921_155642_000000412093_00111_44754_8861.N1	21-SEP-2010 15:56:42	Dark	40.500	132	15Rho Pup	2.8030	6900.0	81	44754	No
133	GOM_NL__2PRFIN20100921_155957_000000482093_00111_44754_8862.N1	21-SEP-2010 15:59:57	Dark	47.500	37	25Del CMa	1.8300	5900.0	95	44754	No
134	GOM_NL__2PRFIN20100921_160152_000000502093_00111_44754_8863.N1	21-SEP-2010 16:01:52	Dark	49.500	117	Pi Pup	2.7060	3800.0	99	44754	No
135	GOM_NL__2PRFIN20100921_160701_000000562093_00112_44755_8880.N1	21-SEP-2010 16:07:01	Dark	56.000	2	Alp Car	-0.73600	7000.0	112	44755	No
136	GOM_NL__2PRFIN20100921_161829_000000412093_00112_44755_8881.N1	21-SEP-2010 16:18:29	Dark	40.500	9	Alp Eri	0.45300	24000.	81	44755	No
137	GOM_NL__2PRFIN20100921_162405_000000412093_00112_44755_8882.N1	21-SEP-2010 16:24:05	Straylight	41.000	84	Alp Phe	2.3970	4500.0	82	44755	No
138	GOM_NL__2PRFIN20100921_163127_000000572093_00112_44755_8883.N1	21-SEP-2010 16:31:27	Tw_i_and_stray	56.500	52	16Bet Cet	2.0370	4500.0	113	44755	No
139	GOM_NL__2PRFIN20100921_164157_000000382093_00112_44755_8884.N1	21-SEP-2010 16:41:57	Bright	38.000	90	54Alp Peg	2.4870	11000.	76	44755	No
140	GOM_NL__2PRFIN20100921_164544_000000392093_00112_44755_8885.N1	21-SEP-2010 16:45:44	Bright	39.000	93	53Bet Peg	2.5200	3100.0	78	44755	No
141	GOM_NL__2PRFIN20100921_164717_000000442093_00112_44755_8886.N1	21-SEP-2010 16:47:17	Bright	44.000	58	21Alp And	2.0730	11000.	88	44755	No
142	GOM_NL__2PRFIN20100921_165543_000000382093_00112_44755_8887.N1	21-SEP-2010 16:55:43	Bright	38.000	74	11Bet Cas	2.2680	6600.0	76	44755	No
143	GOM_NL__2PRFIN20100921_165721_000000422093_00112_44755_8888.N1	21-SEP-2010 16:57:21	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	44755	No
144	GOM_NL__2PRFIN20100921_172040_000000492093_00112_44755_8889.N1	21-SEP-2010 17:20:40	Bright	48.500	24	66Alp Gem	1.5800	10200.	97	44755	No
145	GOM_NL__2PRFIN20100921_172958_000000682093_00112_44755_8890.N1	21-SEP-2010 17:29:58	Dark	68.000	8	10Alp CMi	0.40000	6500.0	136	44755	No
146	GOM_NL__2PRFIN20100921_173719_000000422093_00112_44755_8891.N1	21-SEP-2010 17:37:19	Dark	41.500	132	15Rho Pup	2.8030	6900.0	83	44755	No
147	GOM_NL__2PRFIN20100921_174034_000000482093_00112_44755_8892.N1	21-SEP-2010 17:40:34	Dark	48.000	37	25Del CMa	1.8300	5900.0	96	44755	No
148	GOM_NL__2PRFIN20100921_174229_000000442093_00112_44755_8893.N1	21-SEP-2010 17:42:29	Dark	44.000	117	Pi Pup	2.7060	3800.0	88	44755	No
149	GOM_NL__2PRFIN20100921_174738_000000452093_00113_44756_8908.N1	21-SEP-2010 17:47:38	Dark	44.500	2	Alp Car	-0.73600	7000.0	89	44756	No
150	GOM_NL__2PRFIN20100921_175906_000000432093_00113_44756_8909.N1	21-SEP-2010 17:59:06	Dark	42.500	9	Alp Eri	0.45300	24000.	85	44756	No
151	GOM_NL__2PRFIN20100921_180442_000000472093_00113_44756_8910.N1	21-SEP-2010 18:04:42	Straylight	46.500	84	Alp Phe	2.3970	4500.0	93	44756	No
152	GOM_NL__2PRFIN20100921_181203_000000572093_00113_44756_8911.N1	21-SEP-2010 18:12:03	Tw_i_and_stray	57.000	52	16Bet Cet	2.0370	4500.0	114	44756	No
153	GOM_NL__2PRFIN20100921_182233_000000382093_00113_44756_8912.N1	21-SEP-2010 18:22:33	Bright	38.000	90	54Alp Peg	2.4870	11000.	76	44756	No
154	GOM_NL__2PRFIN20100921_182620_000000422093_00113_44756_8913.N1	21-SEP-2010 18:26:20	Bright	42.000	93	53Bet Peg	2.5200	3100.0	84	44756	No
155	GOM_NL__2PRFIN20100921_182753_000000452093_00113_44756_8914.N1	21-SEP-2010 18:27:53	Bright	45.000	58	21Alp And	2.0730	11000.	90	44756	No
156	GOM_NL__2PRFIN20100921_183618_000000422093_00113_44756_8915.N1	21-SEP-2010 18:36:18	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	44756	No
157	GOM_NL__2PRFIN20100921_183757_000000462093_00113_44756_8916.N1	21-SEP-2010 18:37:57	Bright	45.500	76	27Gam Cas	2.3000	30000.	91	44756	No
158	GOM_NL__2PRFIN20100921_190117_000000482093_00113_44756_8917.N1	21-SEP-2010 19:01:17	Bright	48.000	24	66Alp Gem	1.5800	10200.	96	44756	No
159	GOM_NL__2PRFIN20100921_190233_000000662093_00113_44756_8918.N1	21-SEP-2010 19:02:33	Bright	66.000	17	78Bet Gem	1.1610	4500.0	132	44756	No
160	GOM_NL__2PRFIN20100921_191035_000000592093_00113_44756_8919.N1	21-SEP-2010 19:10:35	Dark	58.500	8	10Alp CMi	0.40000	6500.0	117	44756	No

161	GOM_NL__2PRFIN20100921_191756_000000432093_00113_44756_8920.N1	21-SEP-2010 19:17:56	Dark	42.500	132	15Rho Pup	2.8030	6900.0	85	44756	No
162	GOM_NL__2PRFIN20100921_192111_000000542093_00113_44756_8921.N1	21-SEP-2010 19:21:11	Dark	53.500	37	25Del CMa	1.8300	5900.0	107	44756	No
163	GOM_NL__2PRFIN20100921_192305_000000462093_00113_44756_8922.N1	21-SEP-2010 19:23:05	Dark	45.500	117	Pi Pup	2.7060	3800.0	91	44756	No
164	GOM_NL__2PRFIN20100921_192814_000000542093_00114_44757_8933.N1	21-SEP-2010 19:28:14	Dark	54.000	2	Alp Car	-0.73600	7000.0	108	44757	No
165	GOM_NL__2PRFIN20100921_193942_000000512093_00114_44757_8934.N1	21-SEP-2010 19:39:42	Dark	51.000	9	Alp Eri	0.45300	24000.	102	44757	No
166	GOM_NL__2PRFIN20100921_194518_000000462093_00114_44757_8935.N1	21-SEP-2010 19:45:18	Straylight	45.500	84	Alp Phe	2.3970	4500.0	91	44757	No
167	GOM_NL__2PRFIN20100921_195239_000000552093_00114_44757_8936.N1	21-SEP-2010 19:52:39	Tw_i_and_stray	55.000	52	16Bet Cet	2.0370	4500.0	110	44757	No
168	GOM_NL__2PRFIN20100921_200309_000000392093_00114_44757_8937.N1	21-SEP-2010 20:03:09	Bright	38.500	90	54Alp Peg	2.4870	11000.	77	44757	No
169	GOM_NL__2PRFIN20100921_200655_000000382093_00114_44757_8938.N1	21-SEP-2010 20:06:55	Bright	38.000	93	53Bet Peg	2.5200	3100.0	76	44757	No
170	GOM_NL__2PRFIN20100921_200828_000000452093_00114_44757_8939.N1	21-SEP-2010 20:08:28	Bright	45.000	58	21Alp And	2.0730	11000.	90	44757	No
171	GOM_NL__2PRFIN20100921_201654_000000432093_00114_44757_8940.N1	21-SEP-2010 20:16:54	Bright	42.500	74	11Bet Cas	2.2680	6600.0	85	44757	No
172	GOM_NL__2PRFIN20100921_201832_000000432093_00114_44757_8941.N1	21-SEP-2010 20:18:32	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	44757	No
173	GOM_NL__2PRFIN20100921_204153_000000472093_00114_44757_8942.N1	21-SEP-2010 20:41:53	Bright	46.500	24	66Alp Gem	1.5800	10200.	93	44757	No
174	GOM_NL__2PRFIN20100921_204309_000000502093_00114_44757_8943.N1	21-SEP-2010 20:43:09	Bright	50.000	17	78Bet Gem	1.1610	4500.0	100	44757	No
175	GOM_NL__2PRFIN20100921_205111_000000662093_00114_44757_8944.N1	21-SEP-2010 20:51:11	Dark	66.000	8	10Alp CMi	0.40000	6500.0	132	44757	No
176	GOM_NL__2PRFIN20100921_205832_000000442093_00114_44757_8945.N1	21-SEP-2010 20:58:32	Dark	43.500	132	15Rho Pup	2.8030	6900.0	87	44757	No
177	GOM_NL__2PRFIN20100921_210147_000000542093_00114_44757_8946.N1	21-SEP-2010 21:01:47	Dark	54.000	37	25Del CMa	1.8300	5900.0	108	44757	No
178	GOM_NL__2PRFIN20100921_210342_000000532093_00114_44757_8947.N1	21-SEP-2010 21:03:42	Dark	53.000	117	Pi Pup	2.7060	3800.0	106	44757	No
179	GOM_NL__2PRFIN20100921_210851_000000512093_00115_44758_8964.N1	21-SEP-2010 21:08:51	Dark	50.500	2	Alp Car	-0.73600	7000.0	101	44758	No
180	GOM_NL__2PRFIN20100921_212019_000000532093_00115_44758_8965.N1	21-SEP-2010 21:20:19	Dark	53.000	9	Alp Eri	0.45300	24000.	106	44758	No
181	GOM_NL__2PRFIN20100921_212554_000000452093_00115_44758_8966.N1	21-SEP-2010 21:25:54	Straylight	44.500	84	Alp Phe	2.3970	4500.0	89	44758	No
182	GOM_NL__2PRFIN20100921_213315_000000562093_00115_44758_8967.N1	21-SEP-2010 21:33:15	Tw_i_and_stray	55.500	52	16Bet Cet	2.0370	4500.0	111	44758	No
183	GOM_NL__2PRFIN20100921_214345_000000382093_00115_44758_8968.N1	21-SEP-2010 21:43:45	Bright	38.000	90	54Alp Peg	2.4870	11000.	76	44758	No
184	GOM_NL__2PRFIN20100921_214731_000000382093_00115_44758_8969.N1	21-SEP-2010 21:47:31	Bright	37.500	93	53Bet Peg	2.5200	3100.0	75	44758	No
185	GOM_NL__2PRFIN20100921_214904_000000432093_00115_44758_8970.N1	21-SEP-2010 21:49:04	Bright	43.000	58	21Alp And	2.0730	11000.	86	44758	No
186	GOM_NL__2PRFIN20100921_215729_000000422093_00115_44758_8971.N1	21-SEP-2010 21:57:29	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	44758	No
187	GOM_NL__2PRFIN20100921_215907_000000422093_00115_44758_8972.N1	21-SEP-2010 21:59:07	Bright	42.000	76	27Gam Cas	2.3000	30000.	84	44758	No
188	GOM_NL__2PRFIN20100921_222229_000000492093_00115_44758_8973.N1	21-SEP-2010 22:22:29	Bright	48.500	24	66Alp Gem	1.5800	10200.	97	44758	No
189	GOM_NL__2PRFIN20100921_222345_000000492093_00115_44758_8974.N1	21-SEP-2010 22:23:45	Bright	49.000	17	78Bet Gem	1.1610	4500.0	98	44758	No
190	GOM_NL__2PRFIN20100921_223147_000000572093_00115_44758_8975.N1	21-SEP-2010 22:31:47	Dark	57.000	8	10Alp CMi	0.40000	6500.0	114	44758	No
191	GOM_NL__2PRFIN20100921_223908_000000442093_00115_44758_8976.N1	21-SEP-2010 22:39:08	Dark	43.500	132	15Rho Pup	2.8030	6900.0	87	44758	No
192	GOM_NL__2PRFIN20100921_224224_000000542093_00115_44758_8977.N1	21-SEP-2010 22:42:24	Dark	53.500	37	25Del CMa	1.8300	5900.0	107	44758	No
193	GOM_NL__2PRFIN20100921_224419_000000472093_00115_44758_8978.N1	21-SEP-2010 22:44:19	Dark	47.000	117	Pi Pup	2.7060	3800.0	94	44758	No
194	GOM_NL__2PRFIN20100921_224927_000000572093_00116_44759_8994.N1	21-SEP-2010 22:49:27	Dark	56.500	2	Alp Car	-0.73600	7000.0	113	44759	No
195	GOM_NL__2PRFIN20100921_230055_000000502093_00116_44759_8995.N1	21-SEP-2010 23:00:55	Dark	50.000	9	Alp Eri	0.45300	24000.	100	44759	No
196	GOM_NL__2PRFIN20100921_230630_000000432093_00116_44759_8996.N1	21-SEP-2010 23:06:30	Straylight	42.500	84	Alp Phe	2.3970	4500.0	85	44759	No
197	GOM_NL__2PRFIN20100921_231351_000000572093_00116_44759_8997.N1	21-SEP-2010 23:13:51	Tw_i_and_stray	57.000	52	16Bet Cet	2.0370	4500.0	114	44759	No
198	GOM_NL__2PRFIN20100921_232421_000000392093_00116_44759_8998.N1	21-SEP-2010 23:24:21	Bright	38.500	90	54Alp Peg	2.4870	11000.	77	44759	No
199	GOM_NL__2PRFIN20100921_232807_000000382093_00116_44759_8999.N1	21-SEP-2010 23:28:07	Bright	38.000	93	53Bet Peg	2.5200	3100.0	76	44759	No
200	GOM_NL__2PRFIN20100921_232939_000000442093_00116_44759_9000.N1	21-SEP-2010 23:29:39	Bright	43.500	58	21Alp And	2.0730	11000.	87	44759	No
201	GOM_NL__2PRFIN20100921_233805_000000382093_00116_44759_9001.N1	21-SEP-2010 23:38:05	Bright	37.500	74	11Bet Cas	2.2680	6600.0	75	44759	No
202	GOM_NL__2PRFIN20100921_233943_000000382093_00116_44759_9002.N1	21-SEP-2010 23:39:43	Bright	37.500	76	27Gam Cas	2.3000	30000.	75	44759	No

3. Quality information per product

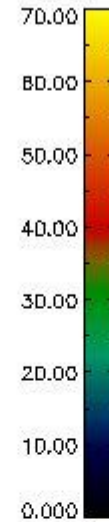
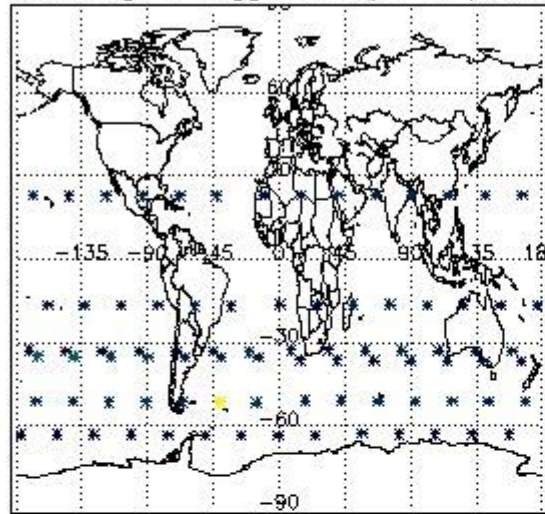
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

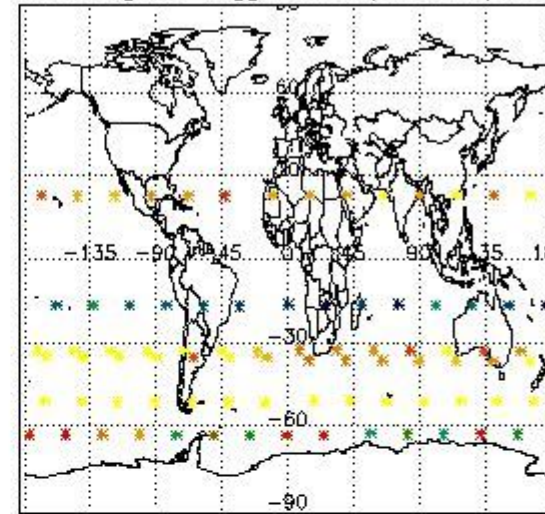


3.2 Plot quality information per product (world map)

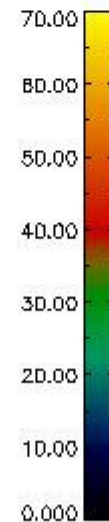
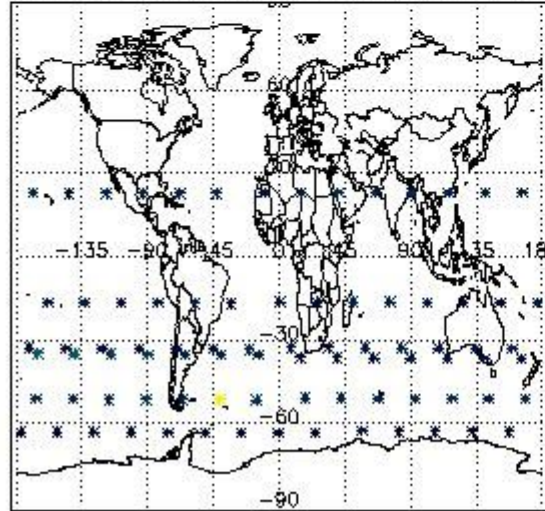
Percentage of flagged data per O3 profile



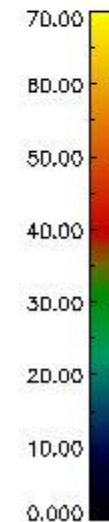
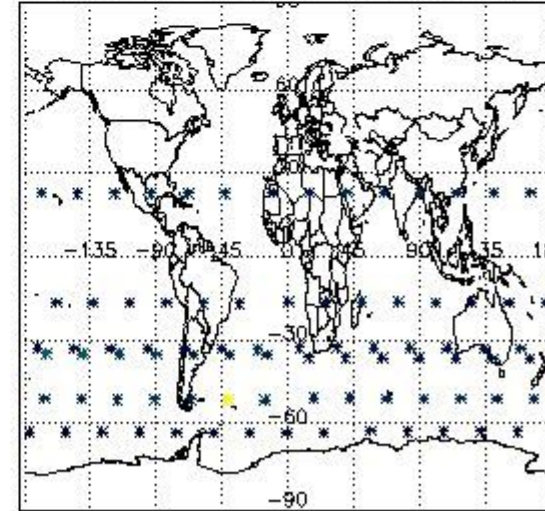
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

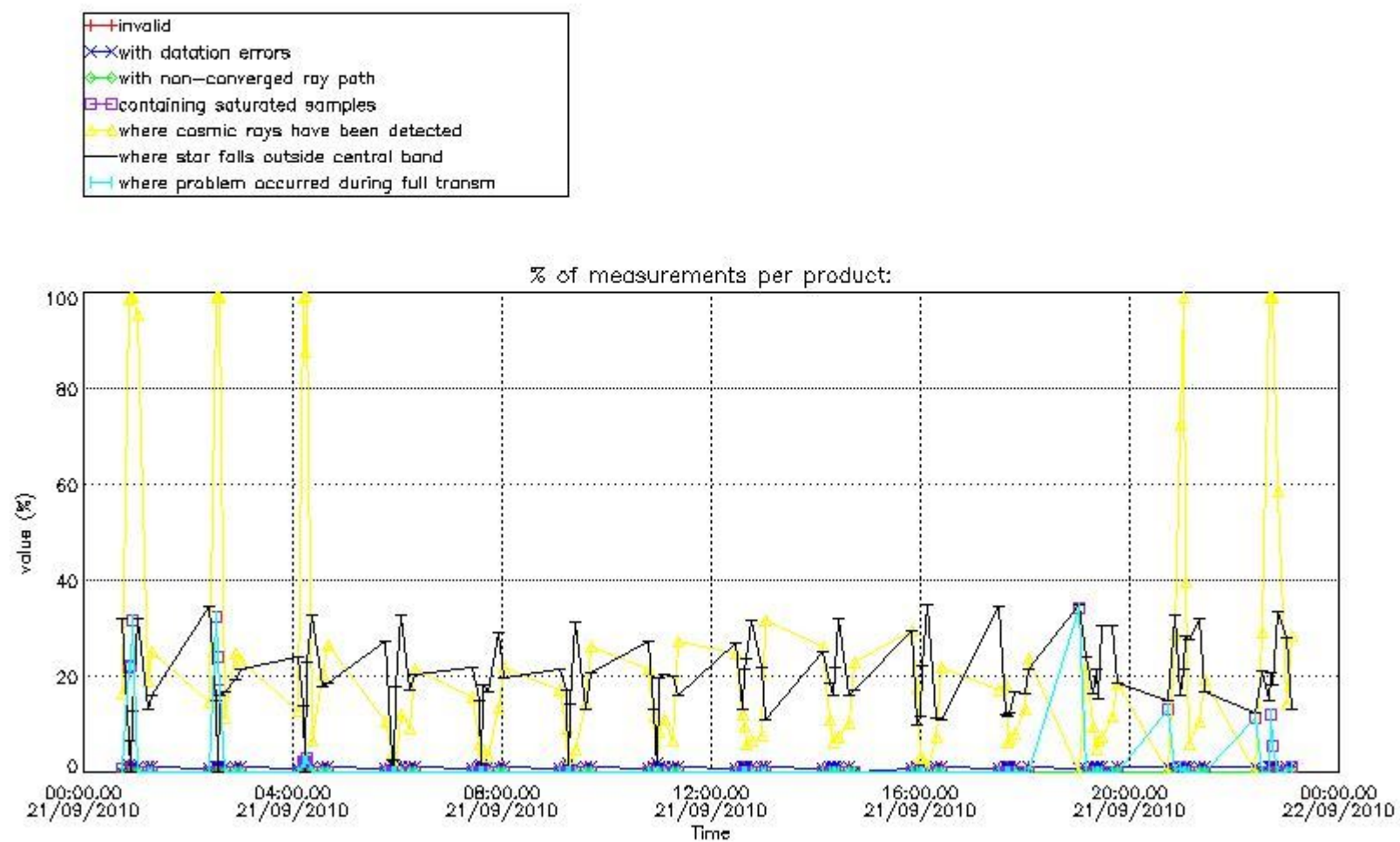


4. Level 1 quality information per product

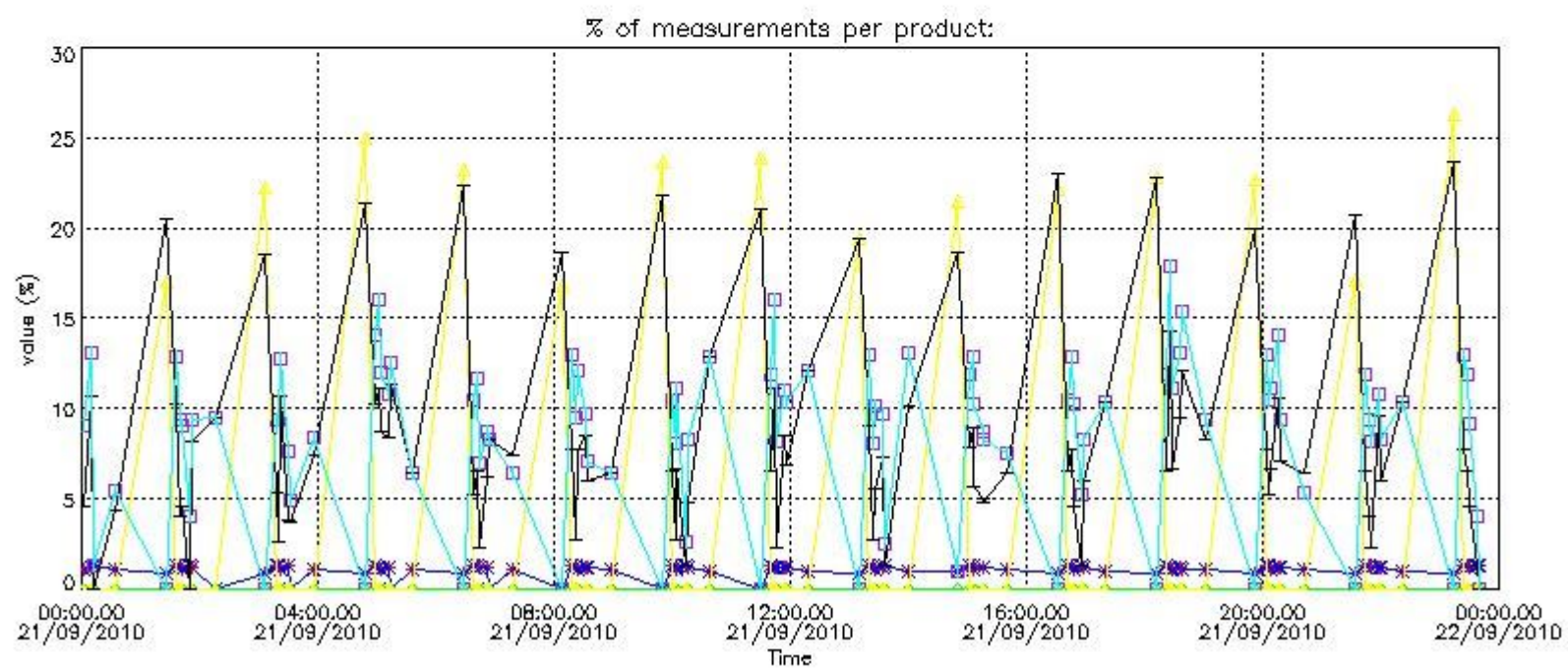
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



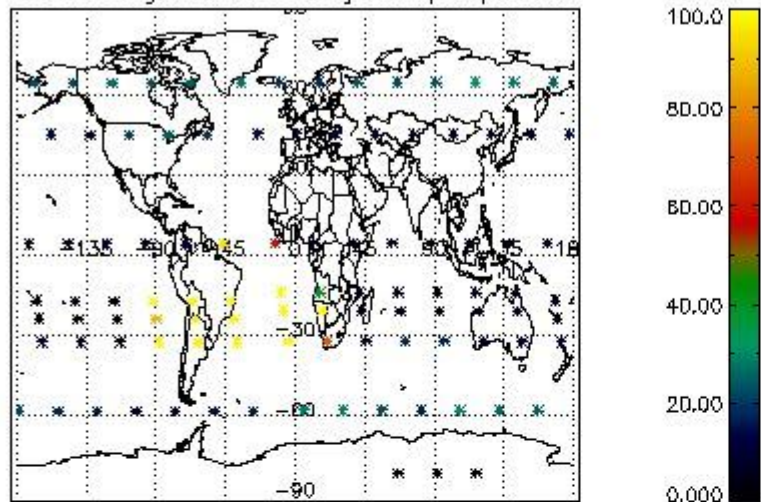
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



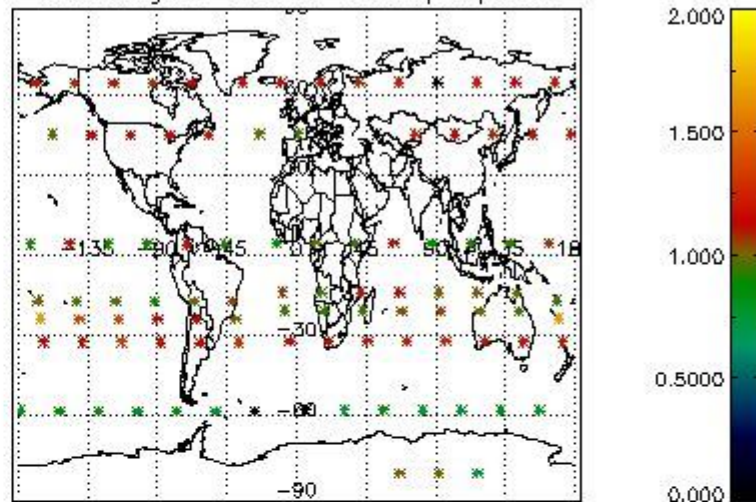
4.2 Plot quality information per product coming from level 1b processing (world map)

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

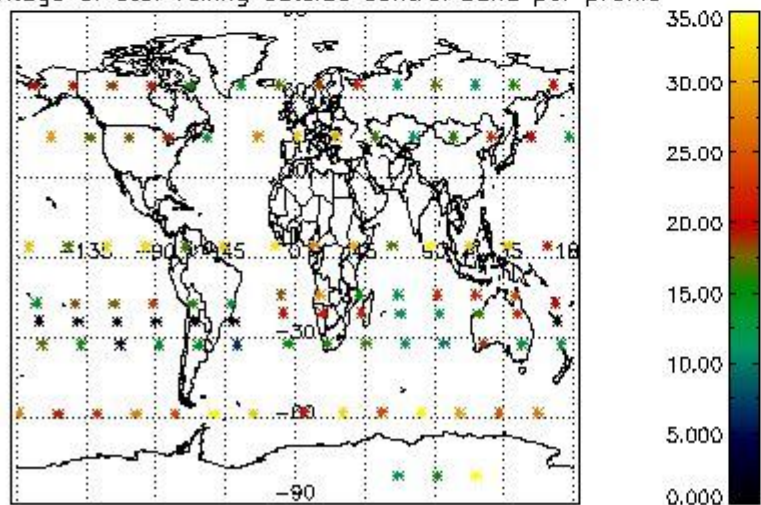
Percentage of cosmic ray hits per profile



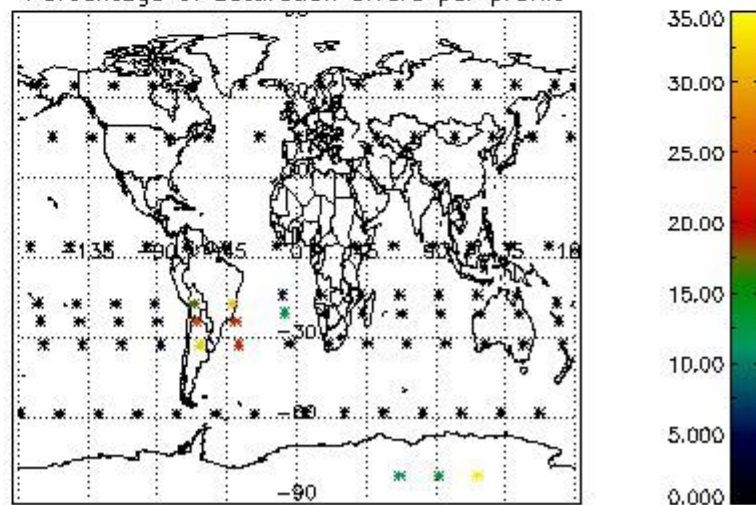
Percentage of datation errors per profile



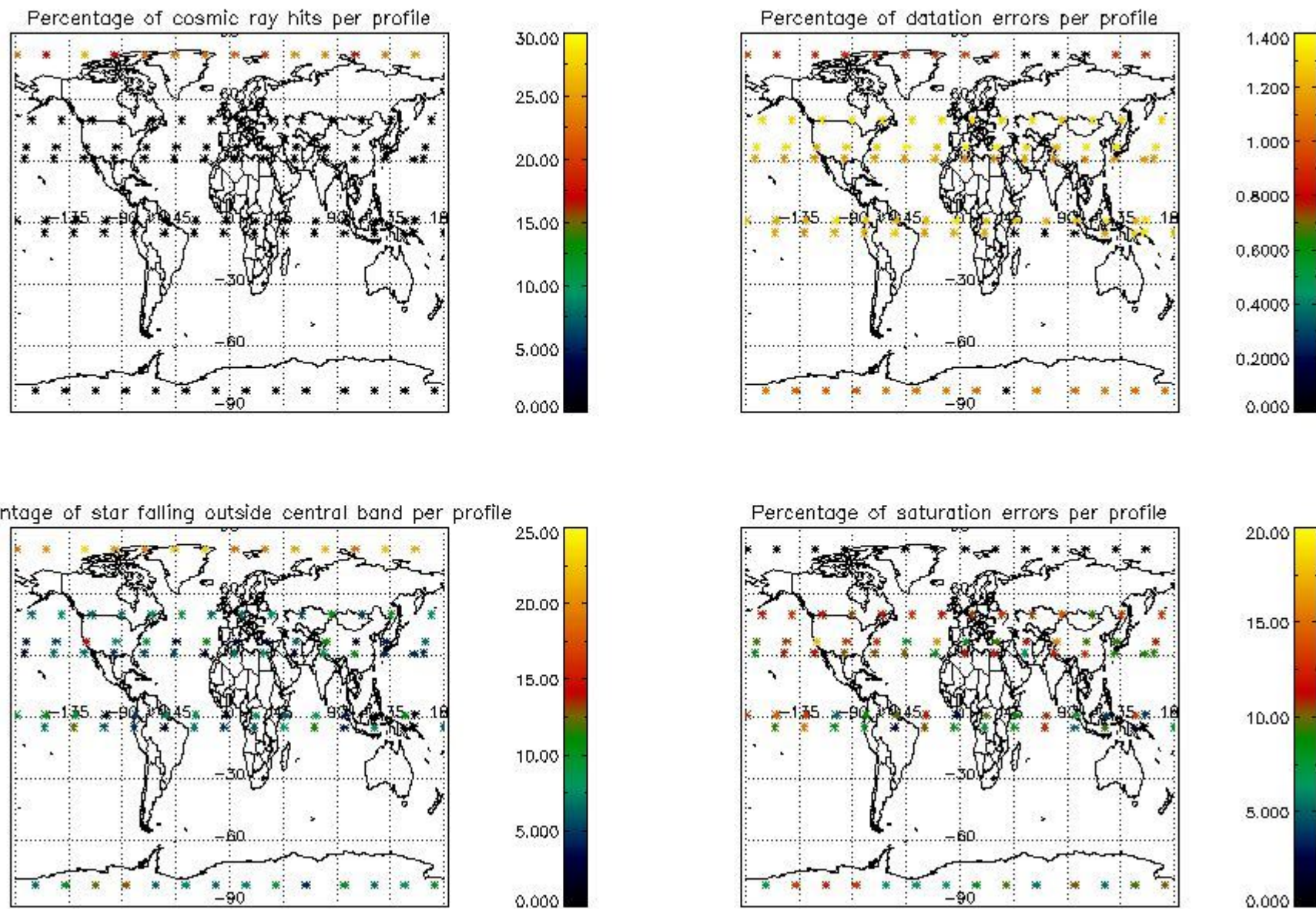
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

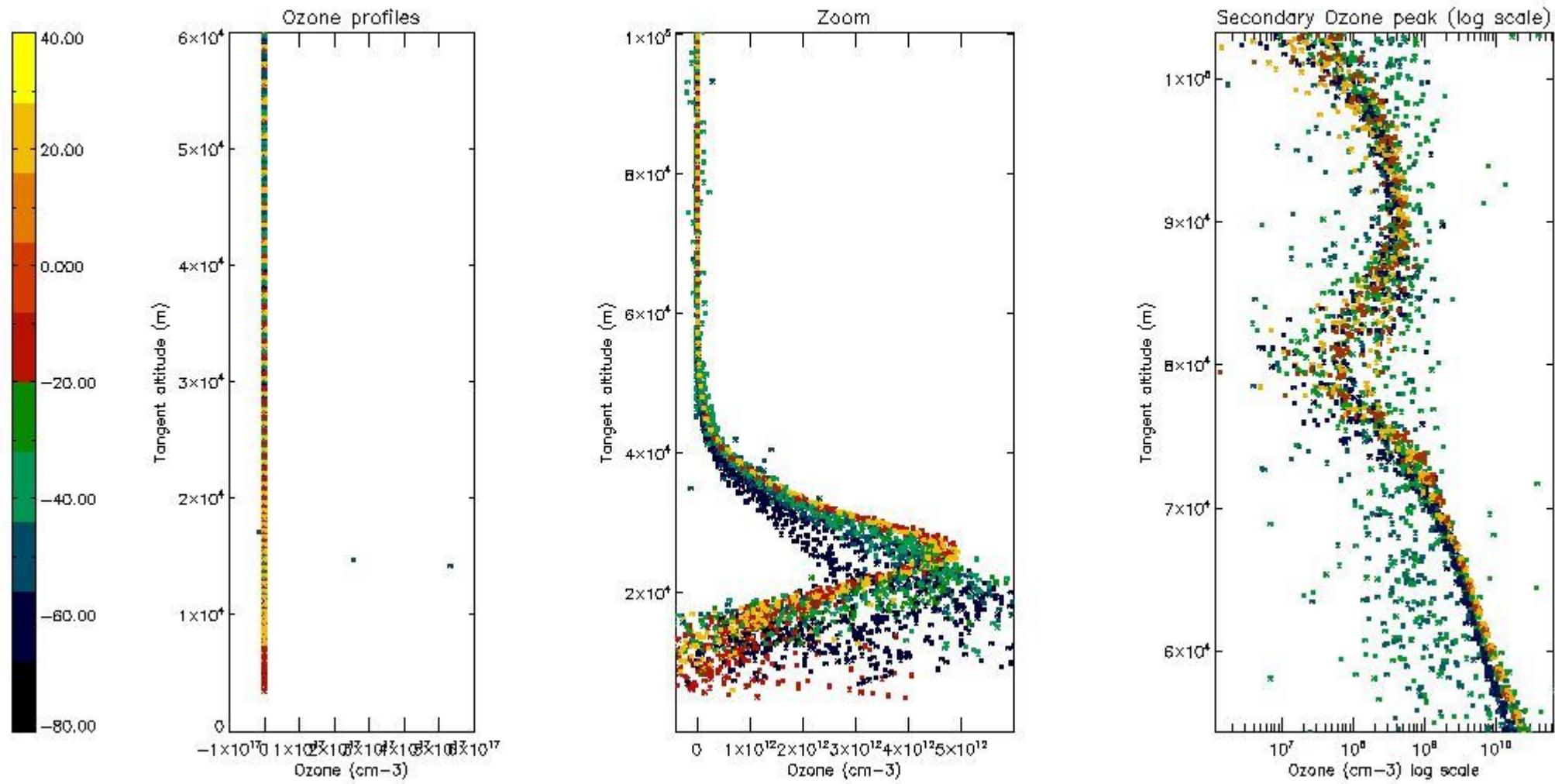
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	45
STD < 20	24

STD < 10	18
STD < 5	15

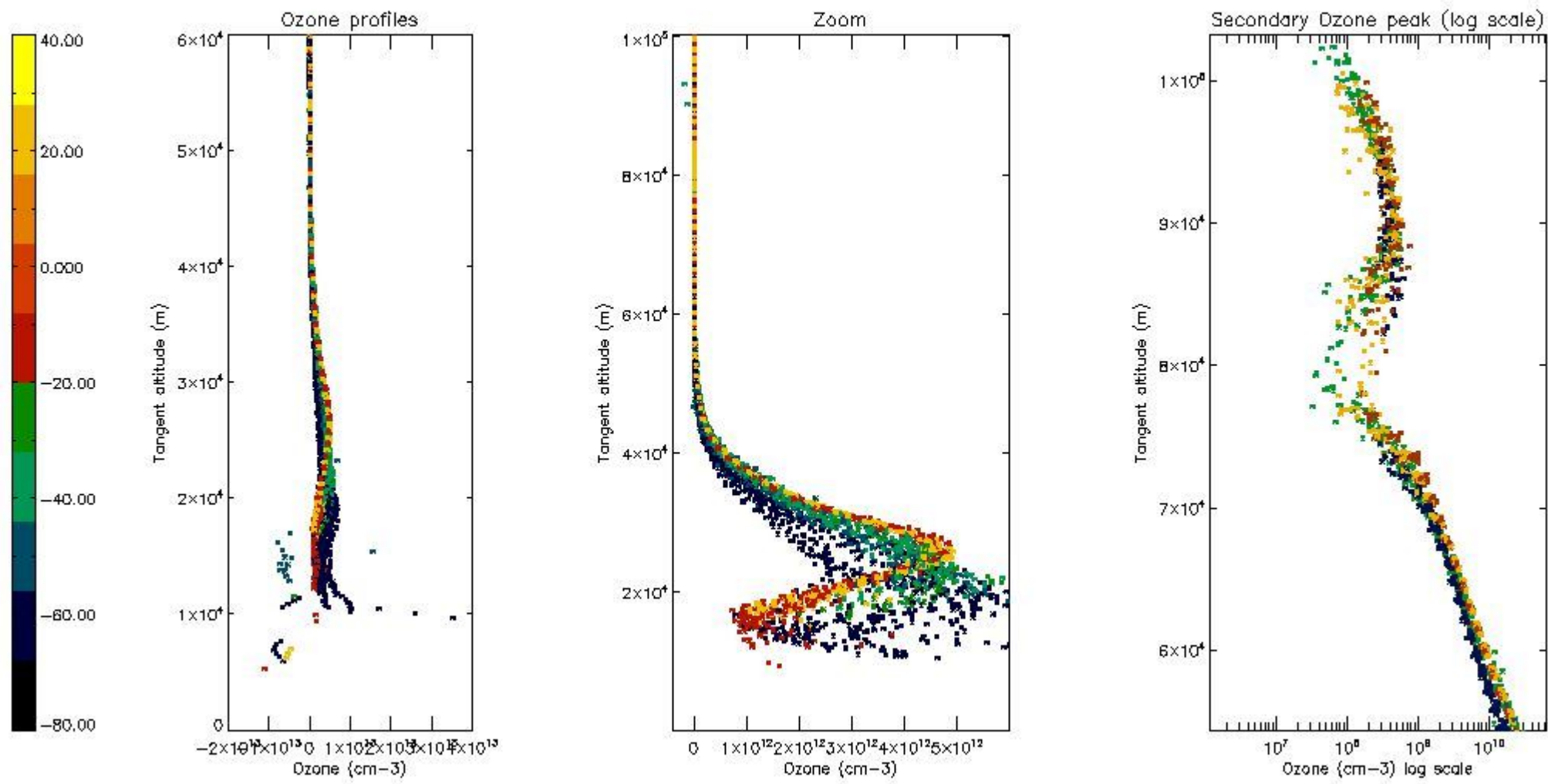
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



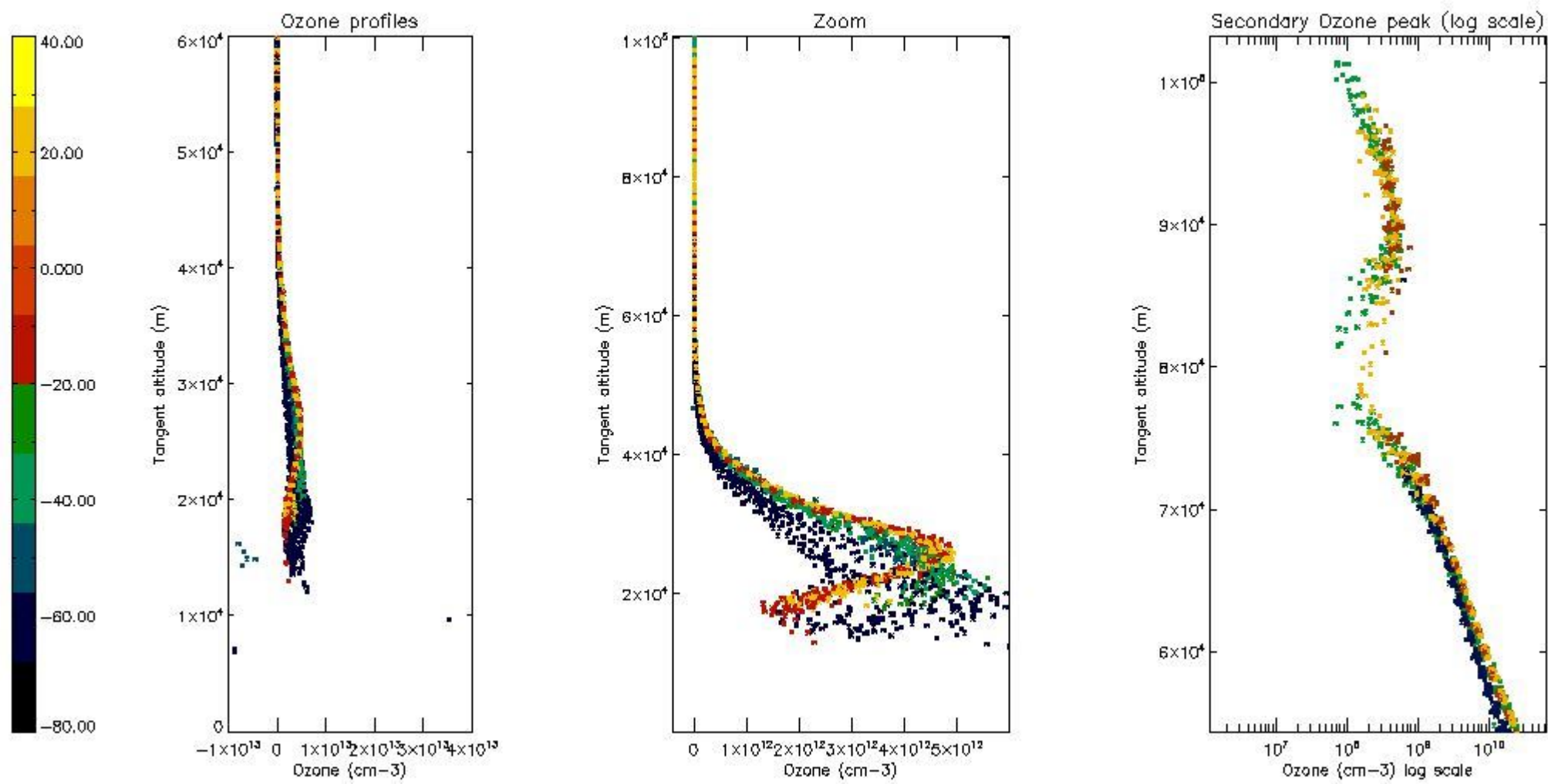
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



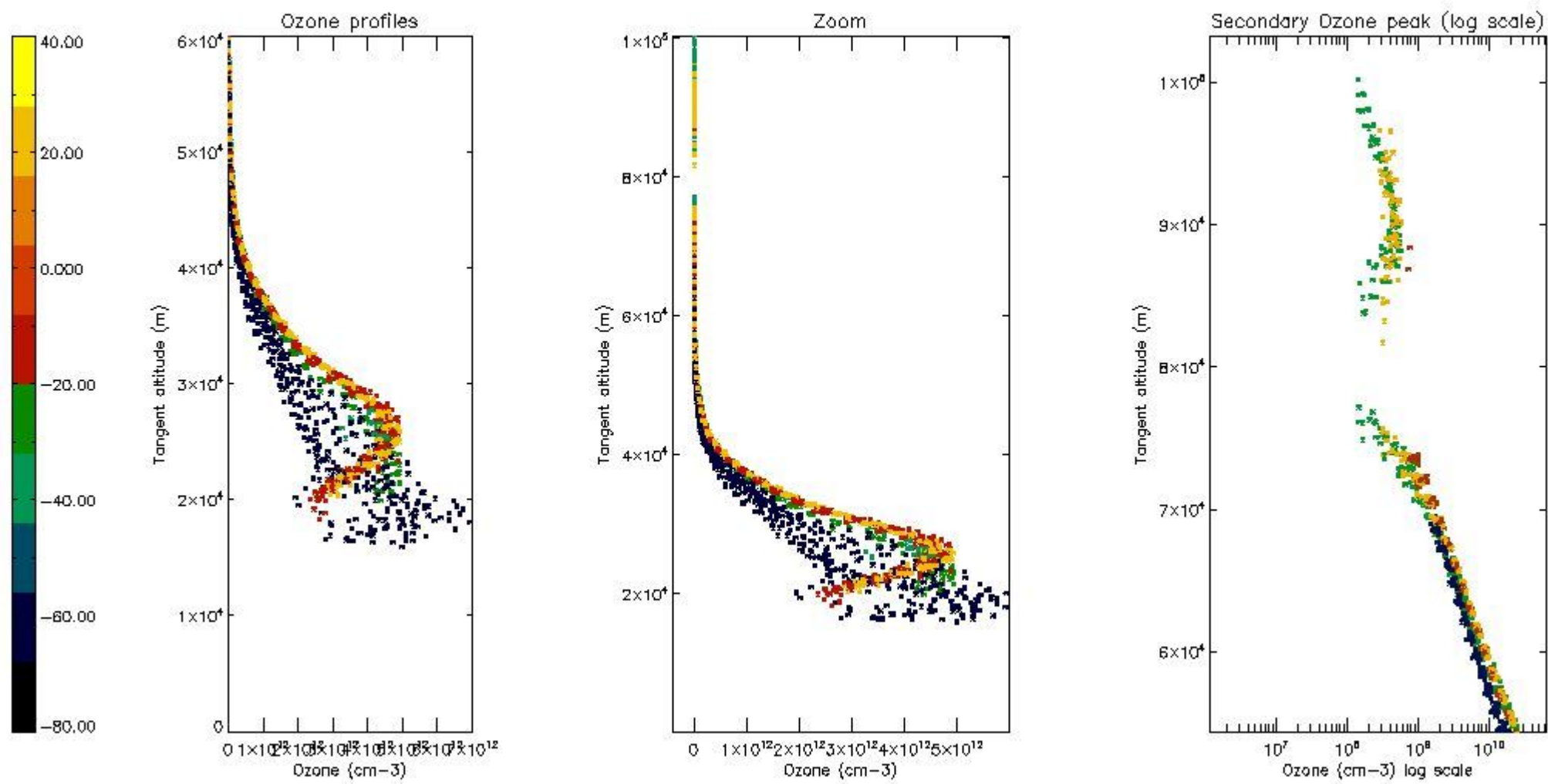
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



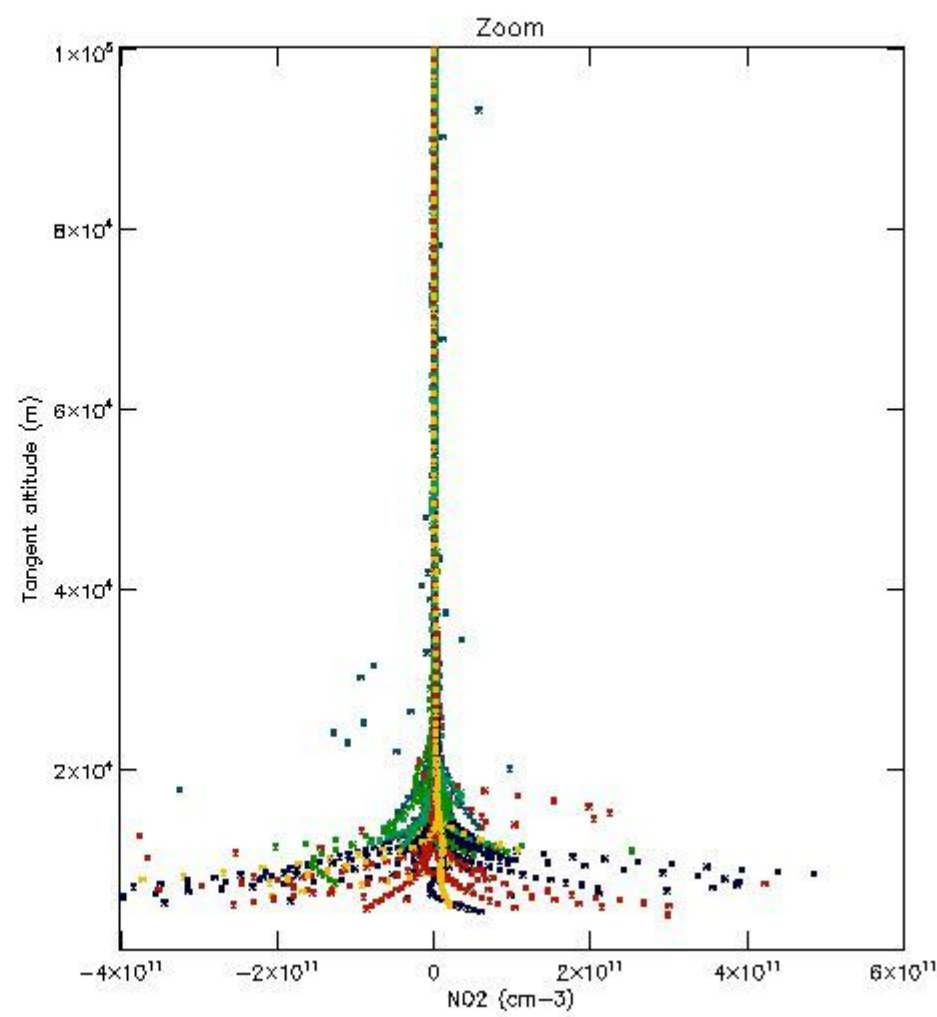
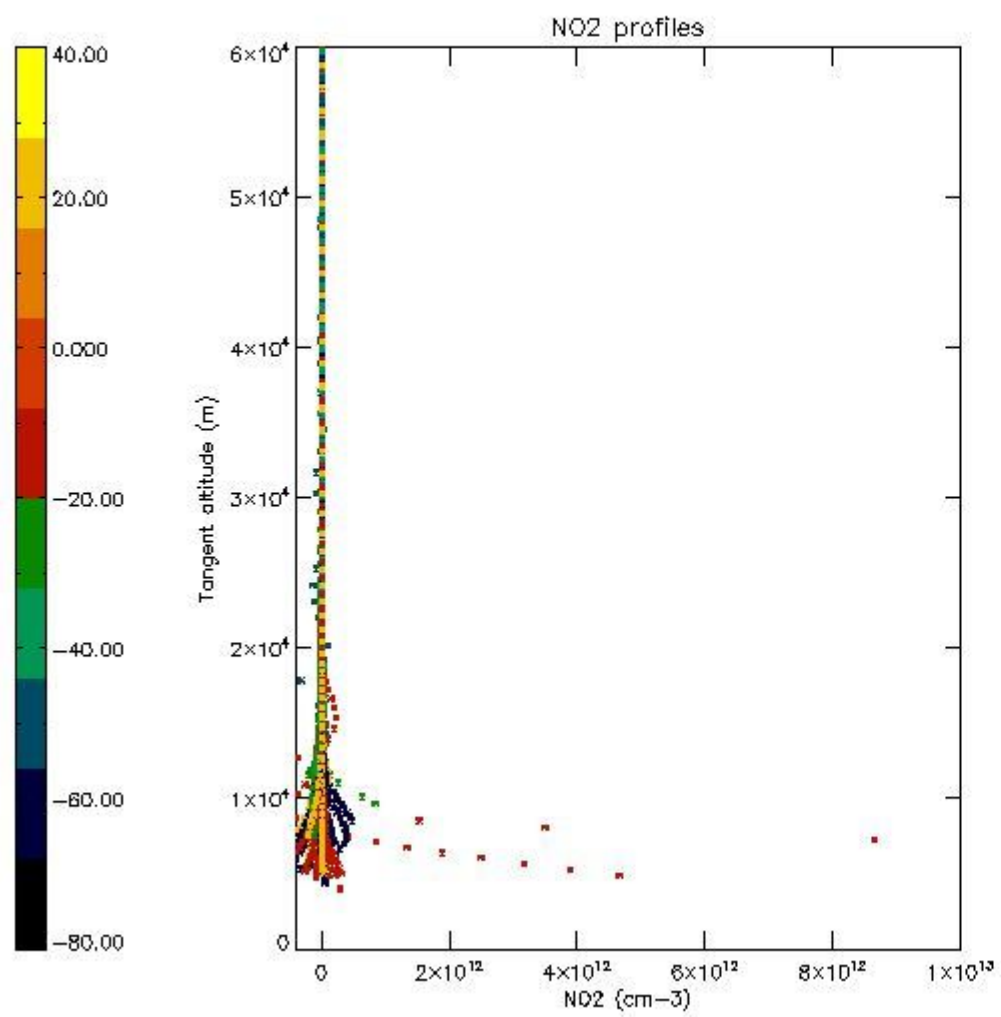
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



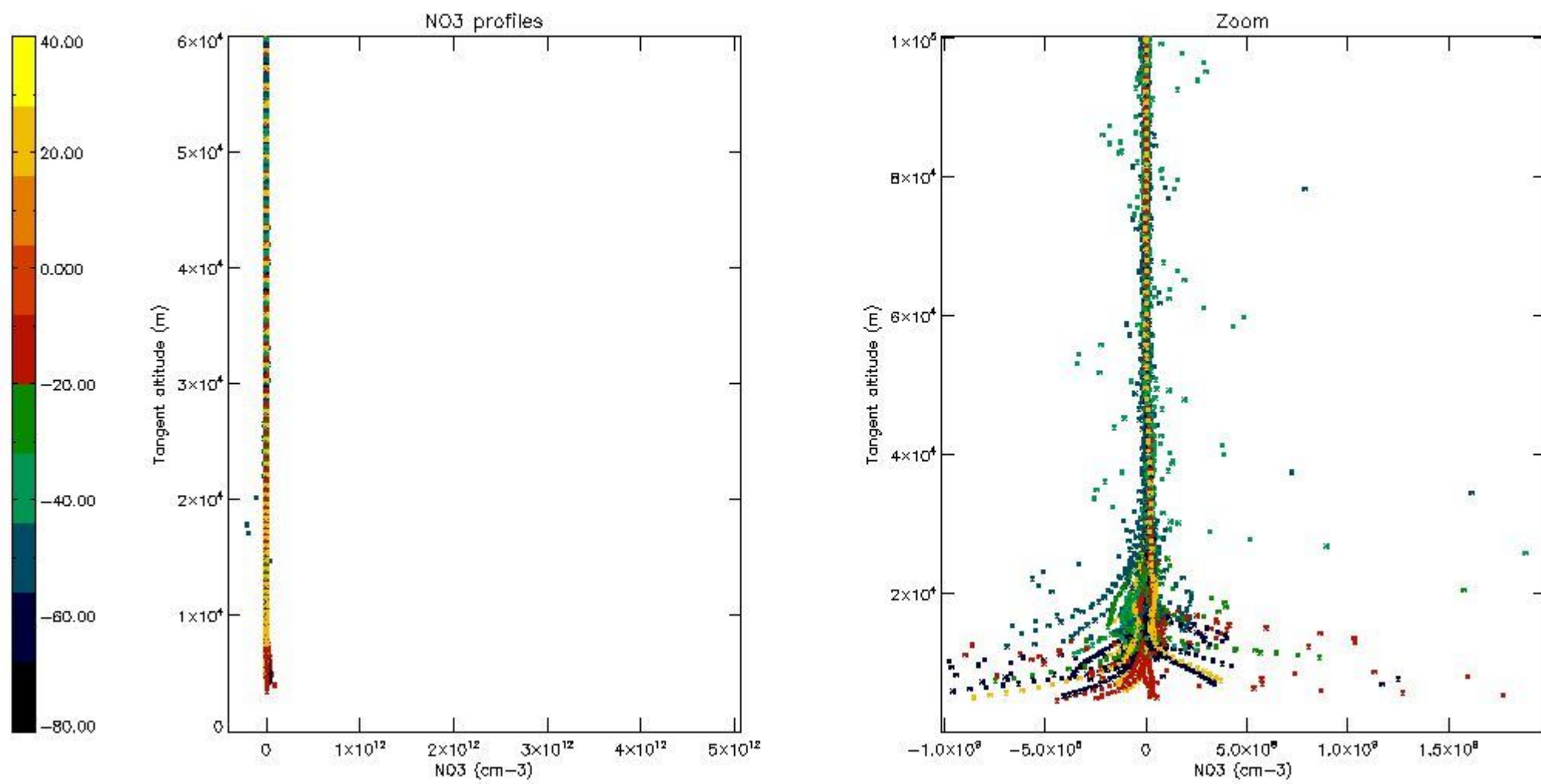
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



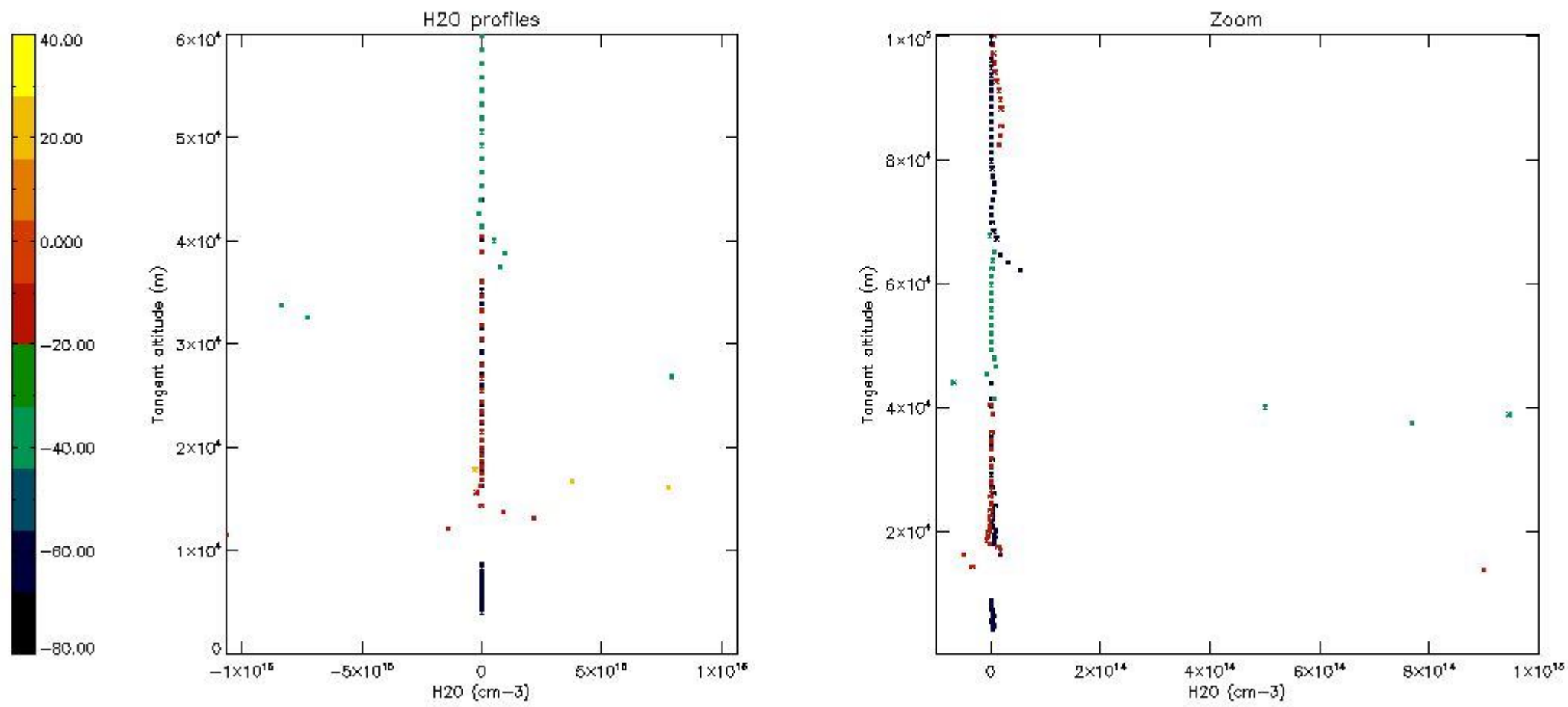
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



5.8 Plot H2O profiles for all STD (only for occultations of stars 1,2,3,4,13,14,16,26,63 dark without errors)

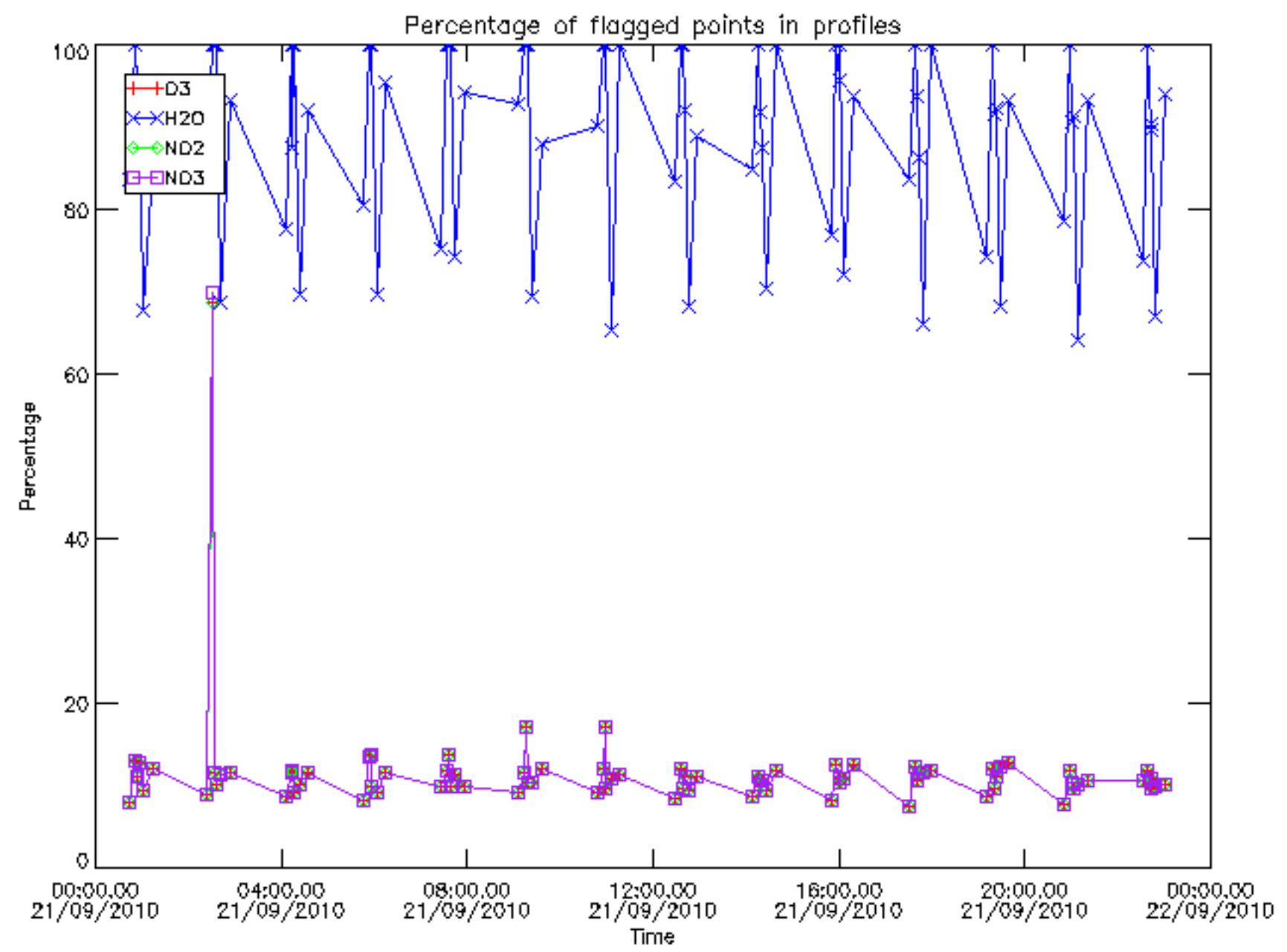
The colorbar represents the latitude.



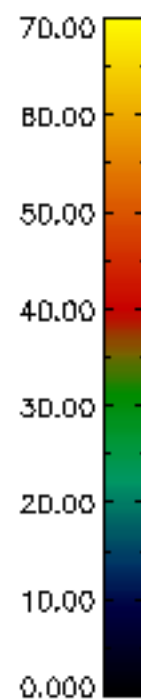
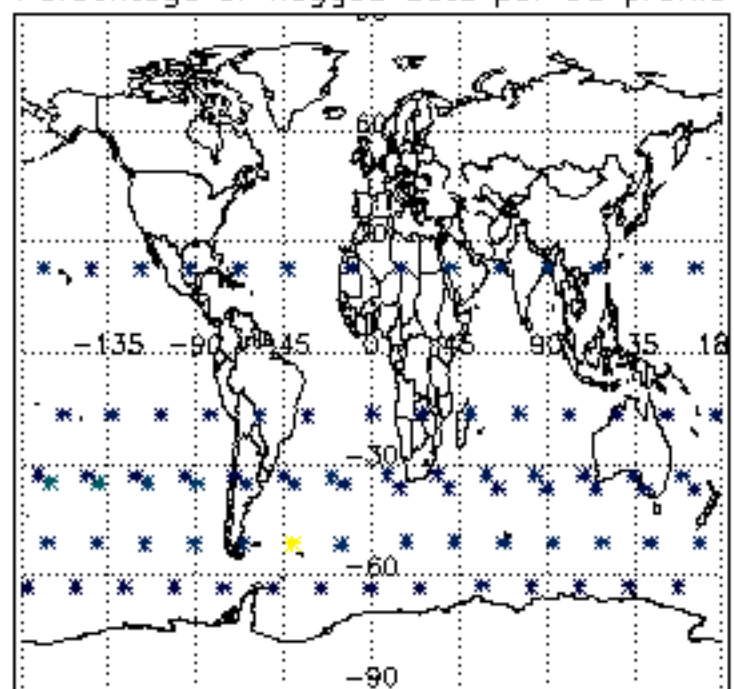
6. Auxiliary Data Files used for the production reported in section 2

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

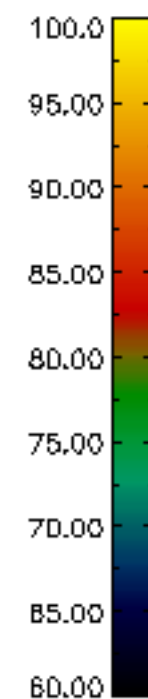
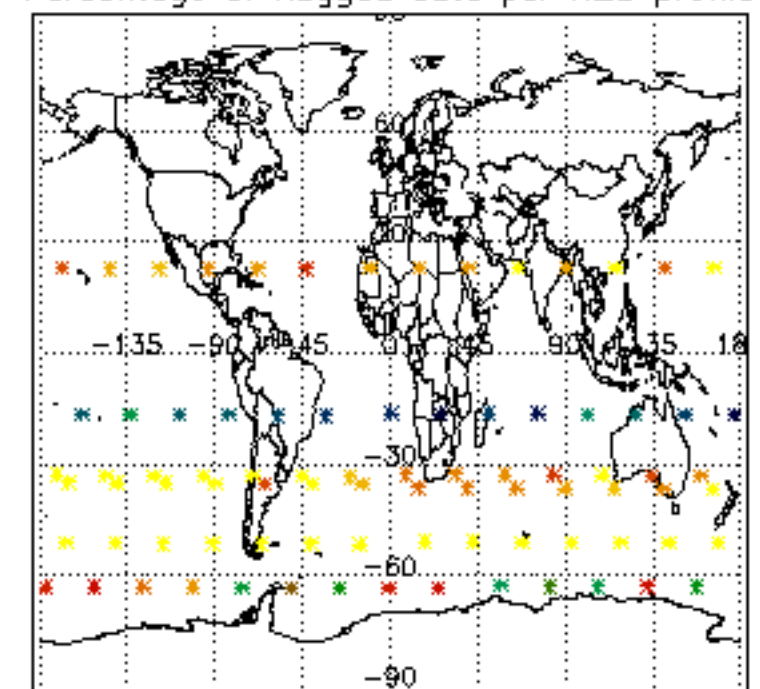
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	21-SEP-2010 00:01:24
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	21-SEP-2010 00:01:24
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	21-SEP-2010 00:01:24



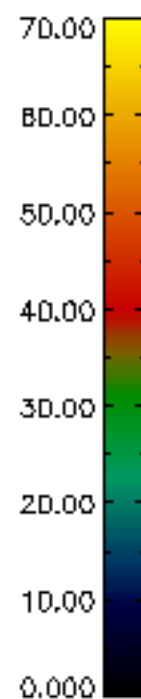
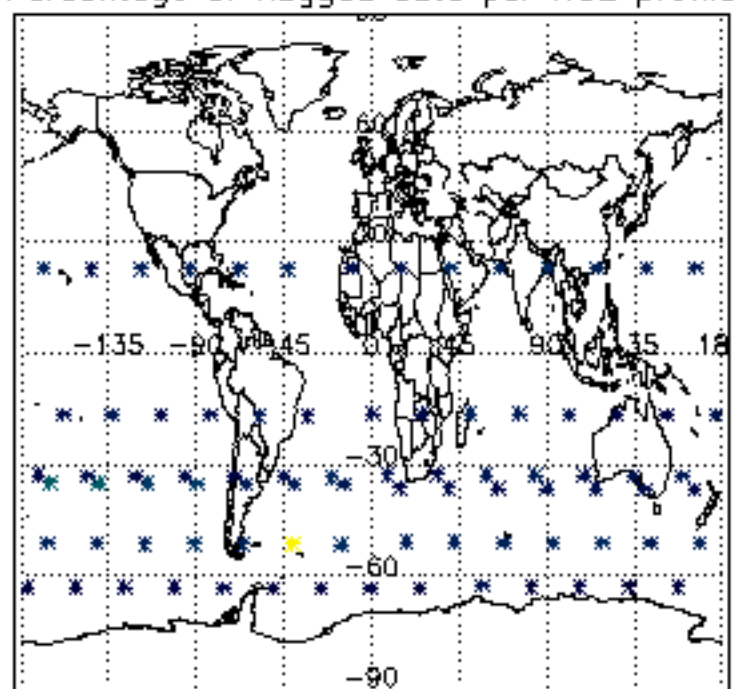
Percentage of flagged data per D3 profile



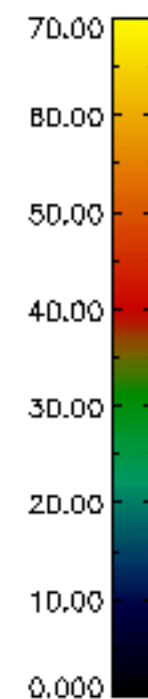
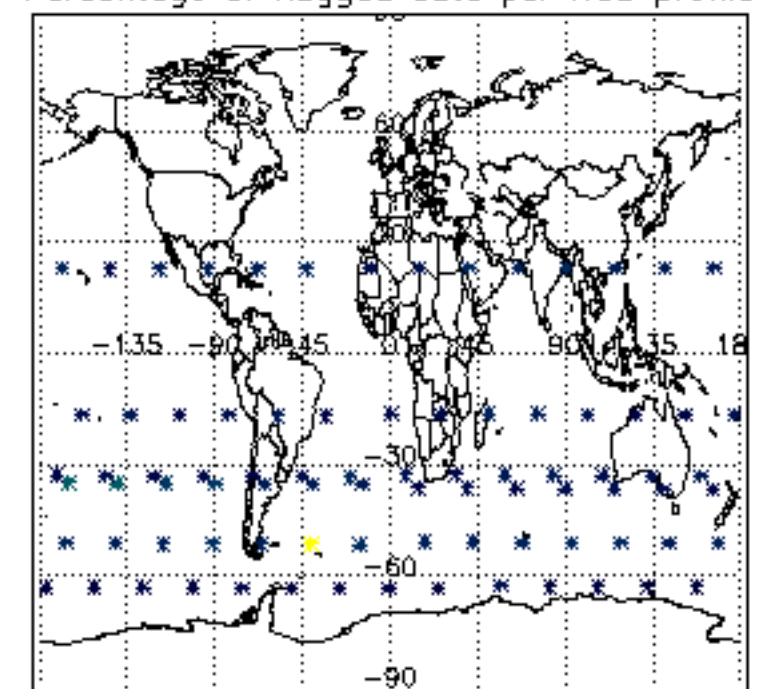
Percentage of flagged data per H2O profile

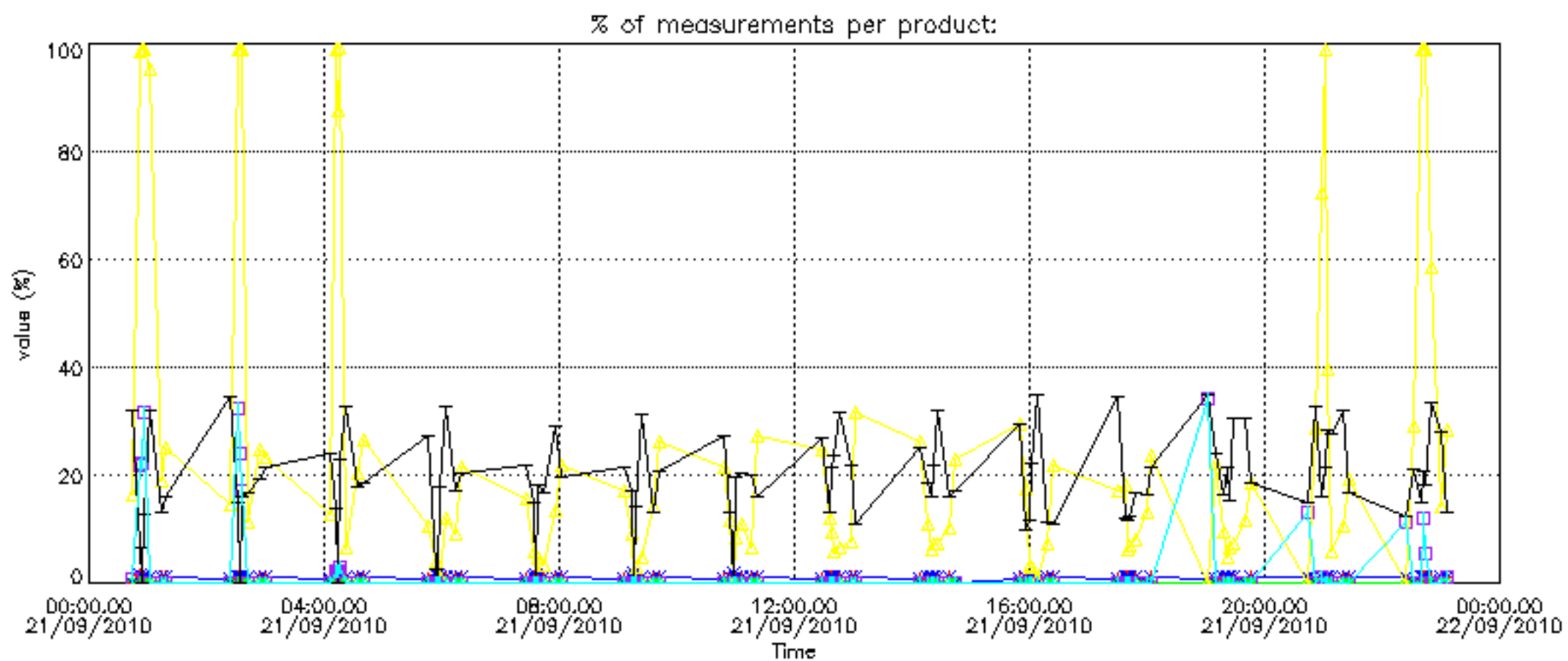


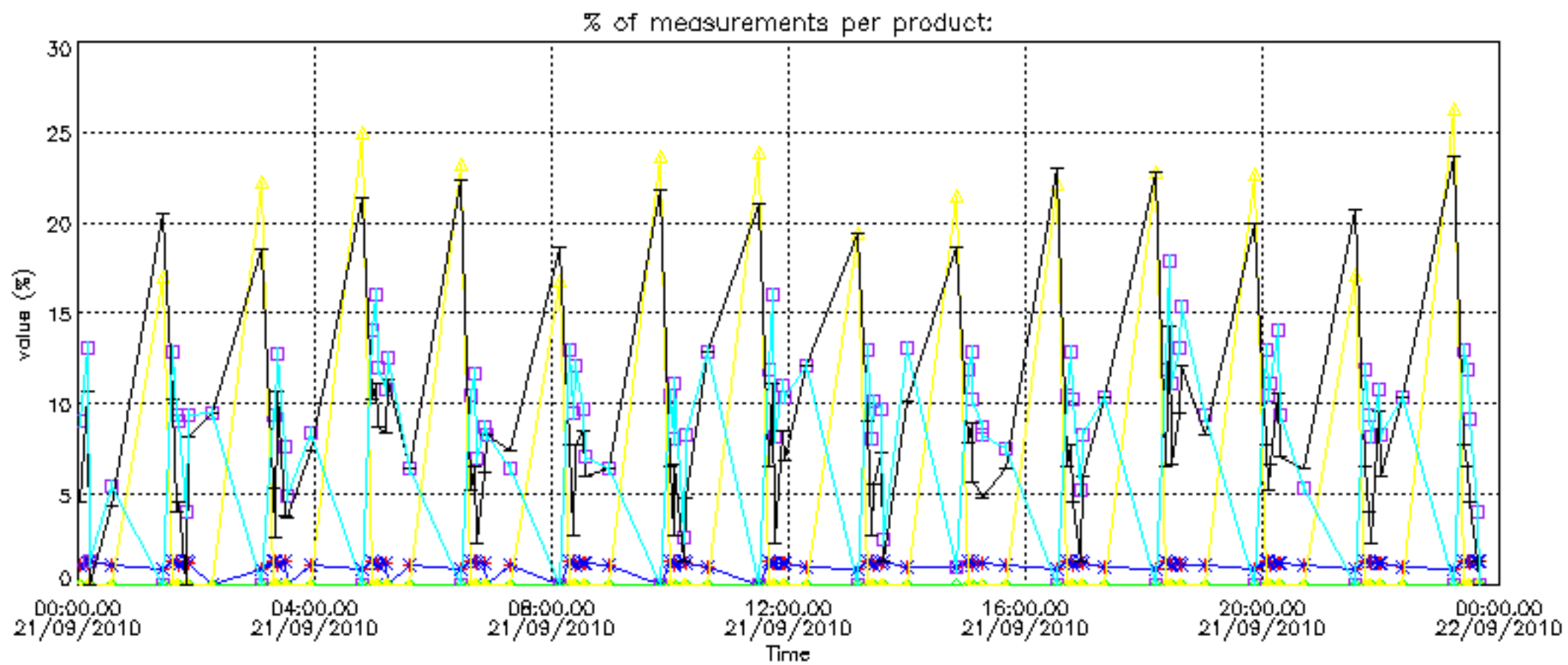
Percentage of flagged data per NO2 profile



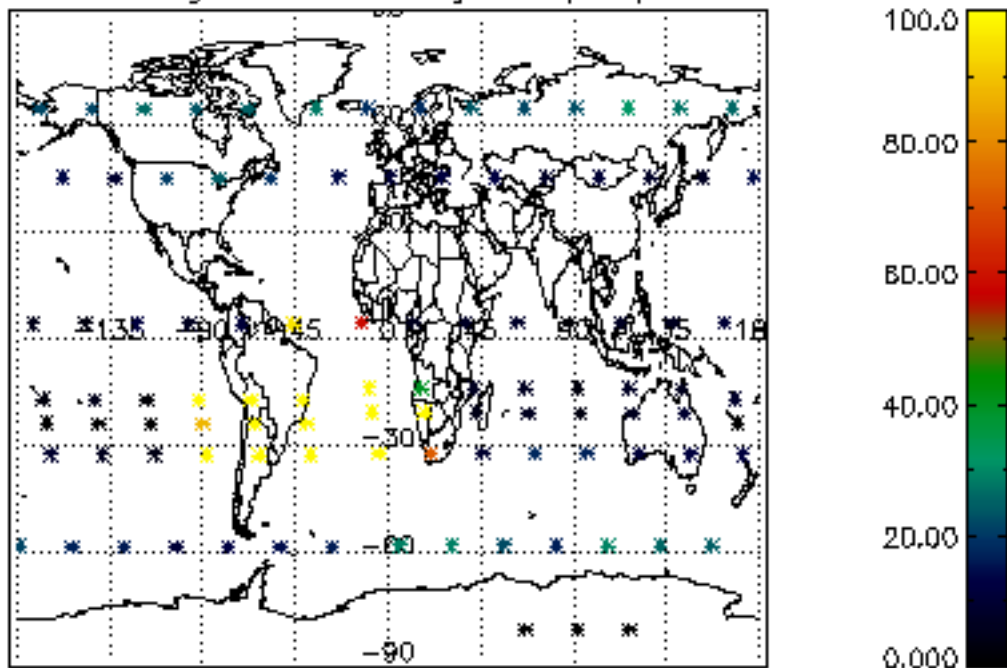
Percentage of flagged data per NO3 profile



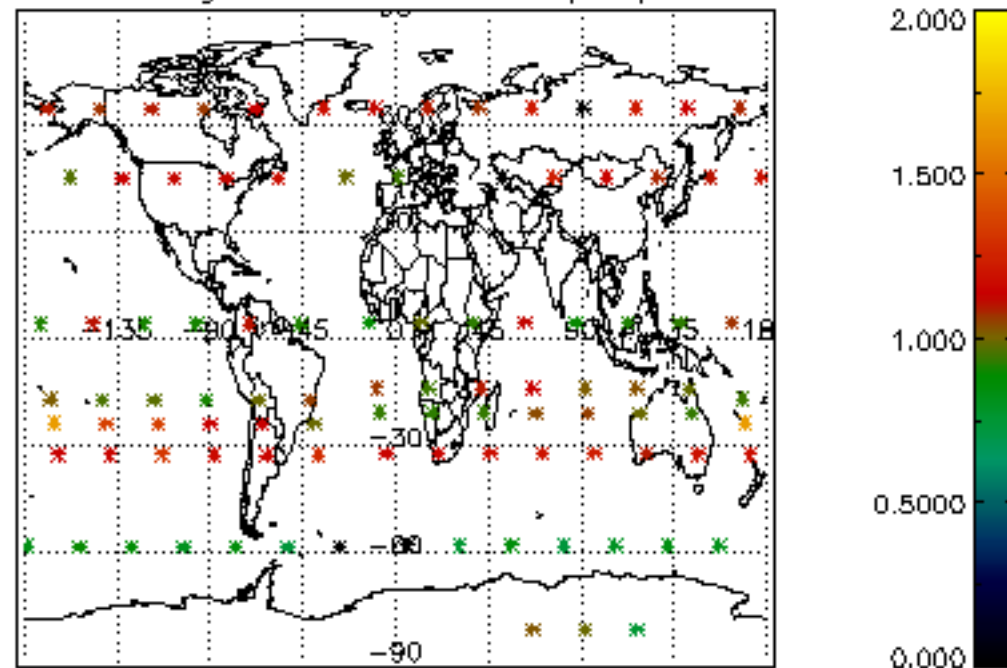




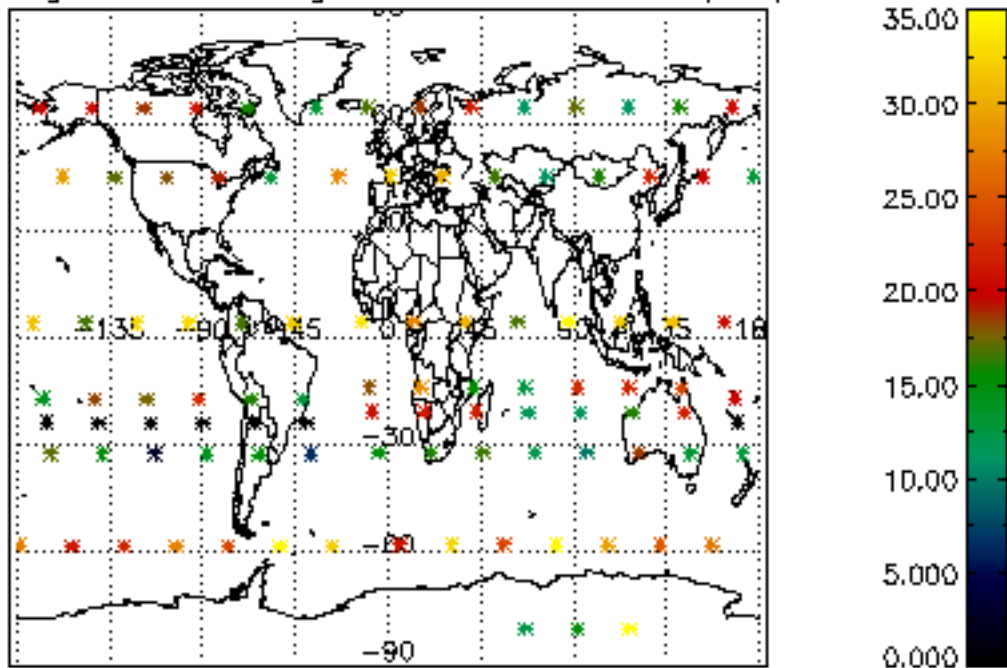
Percentage of cosmic ray hits per profile



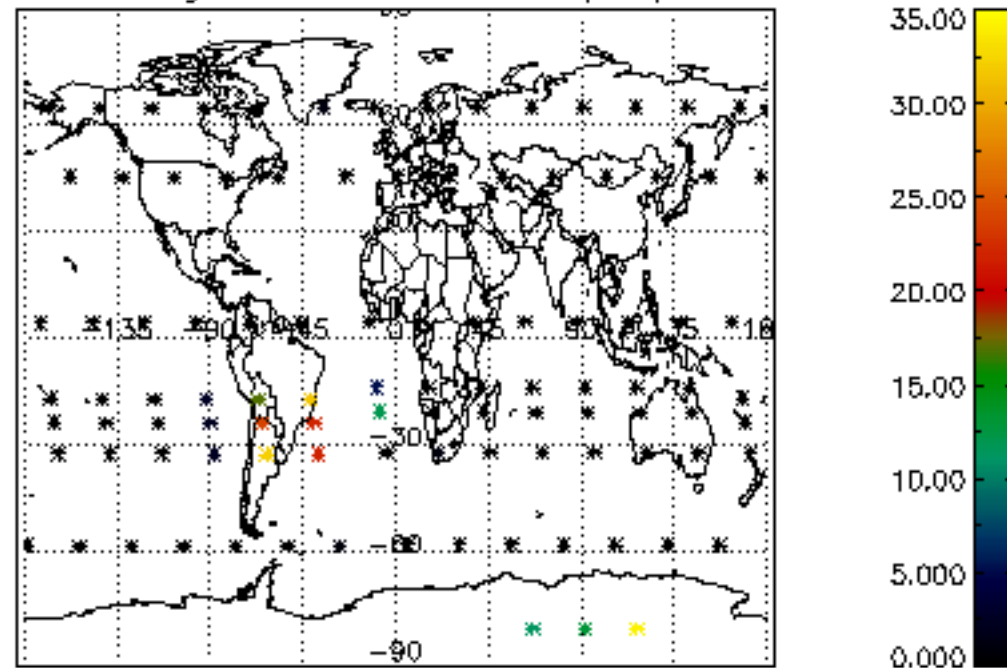
Percentage of datation errors per profile



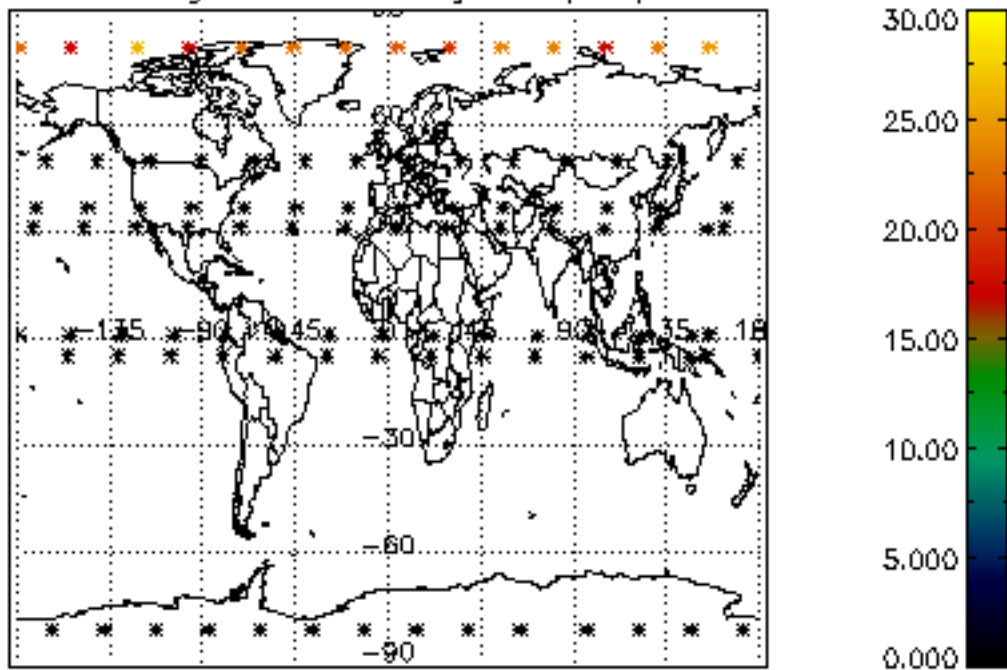
Percentage of star falling outside central band per profile



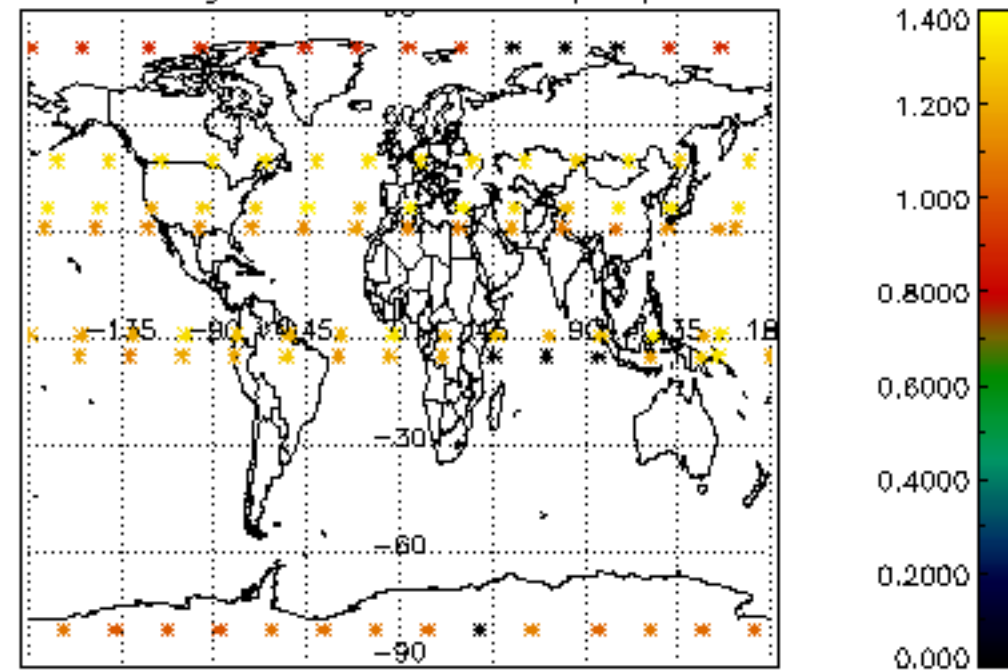
Percentage of saturation errors per profile



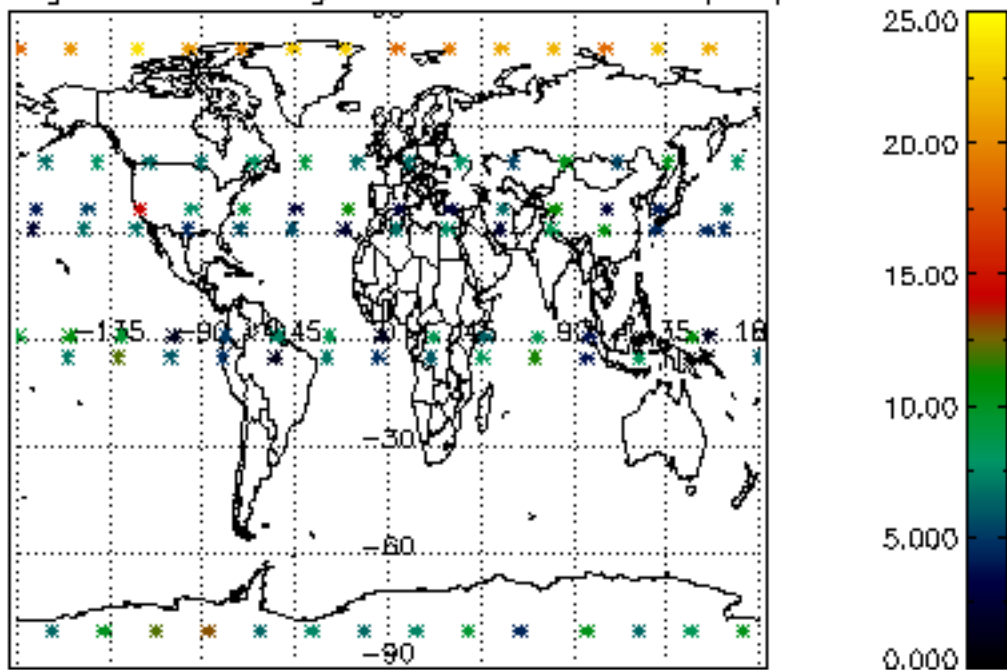
Percentage of cosmic ray hits per profile



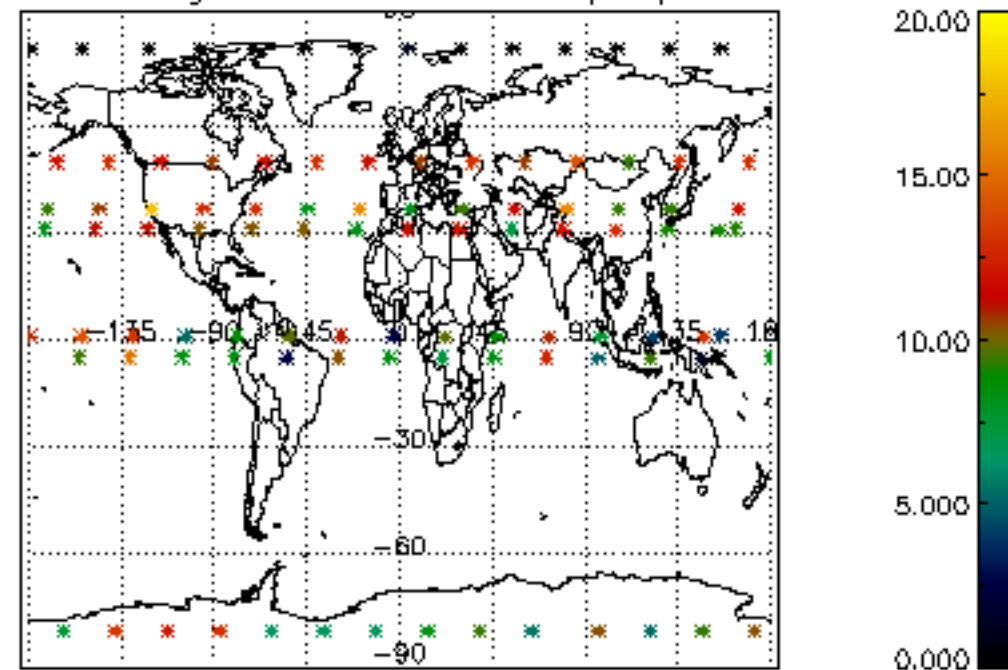
Percentage of datation errors per profile

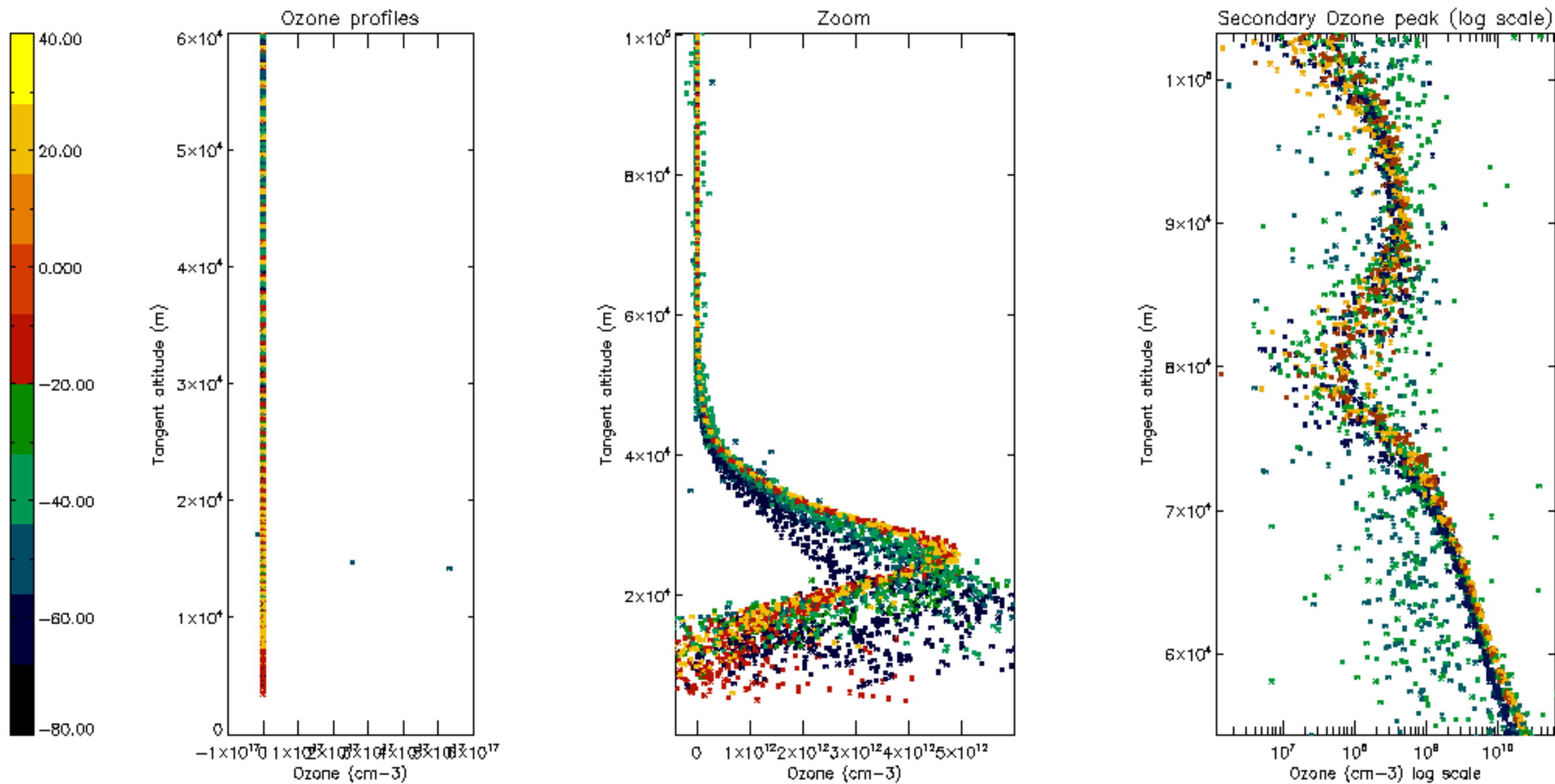


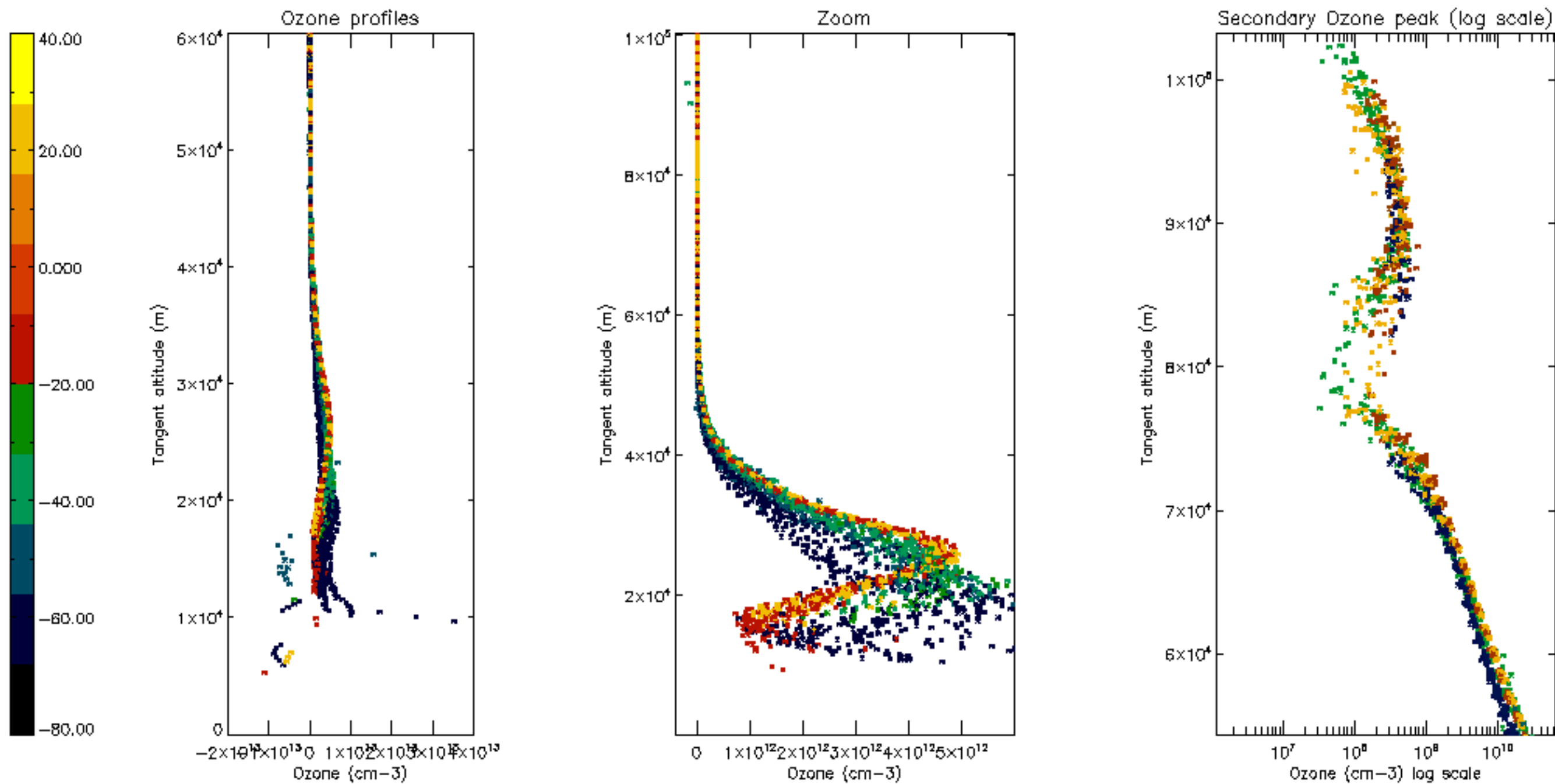
Percentage of star falling outside central band per profile

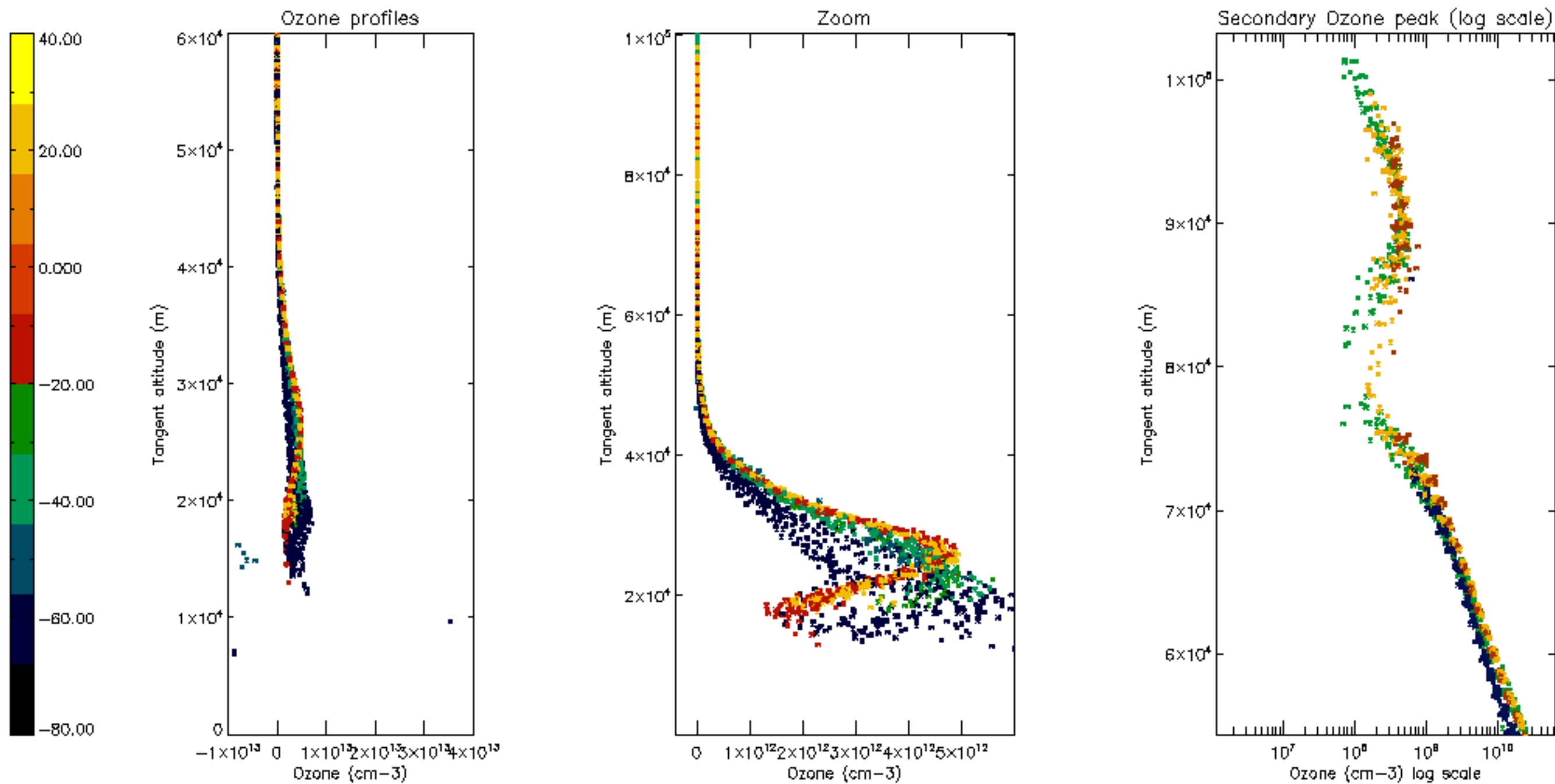


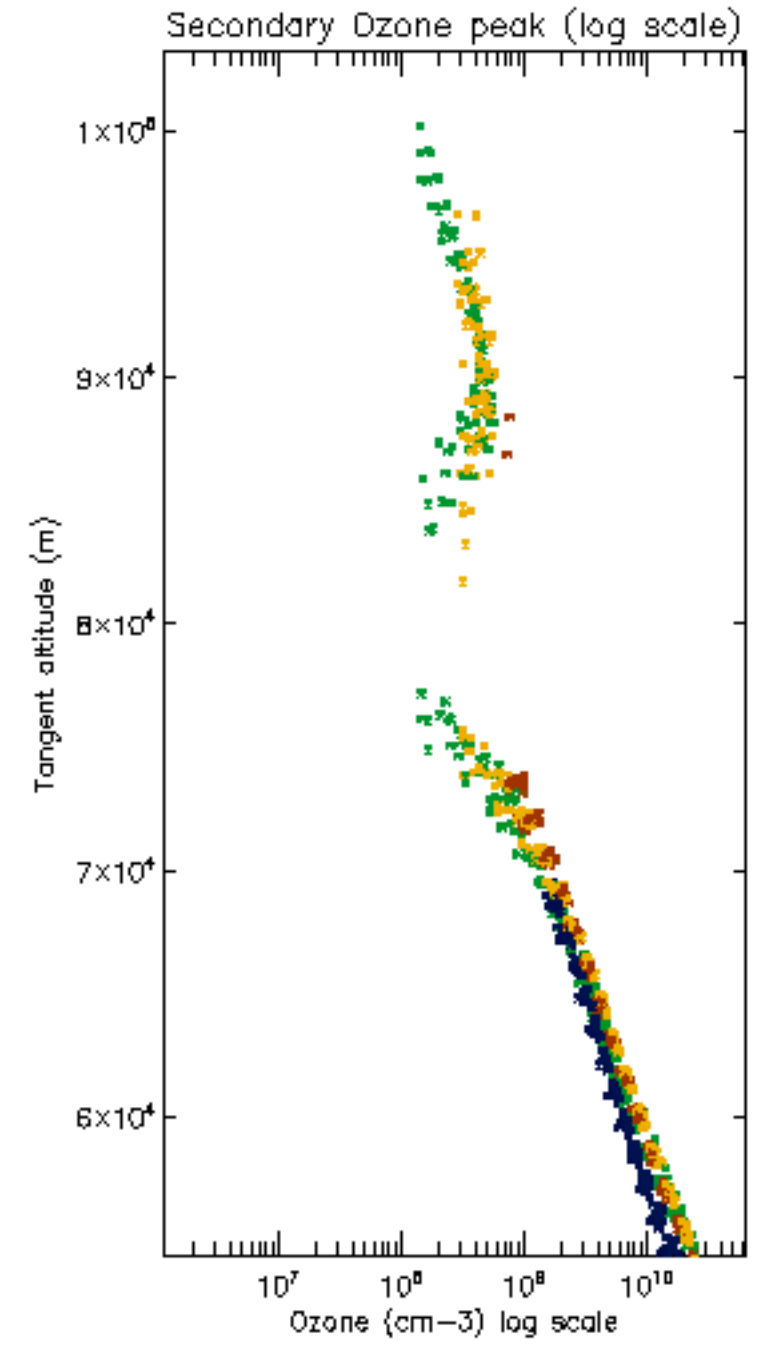
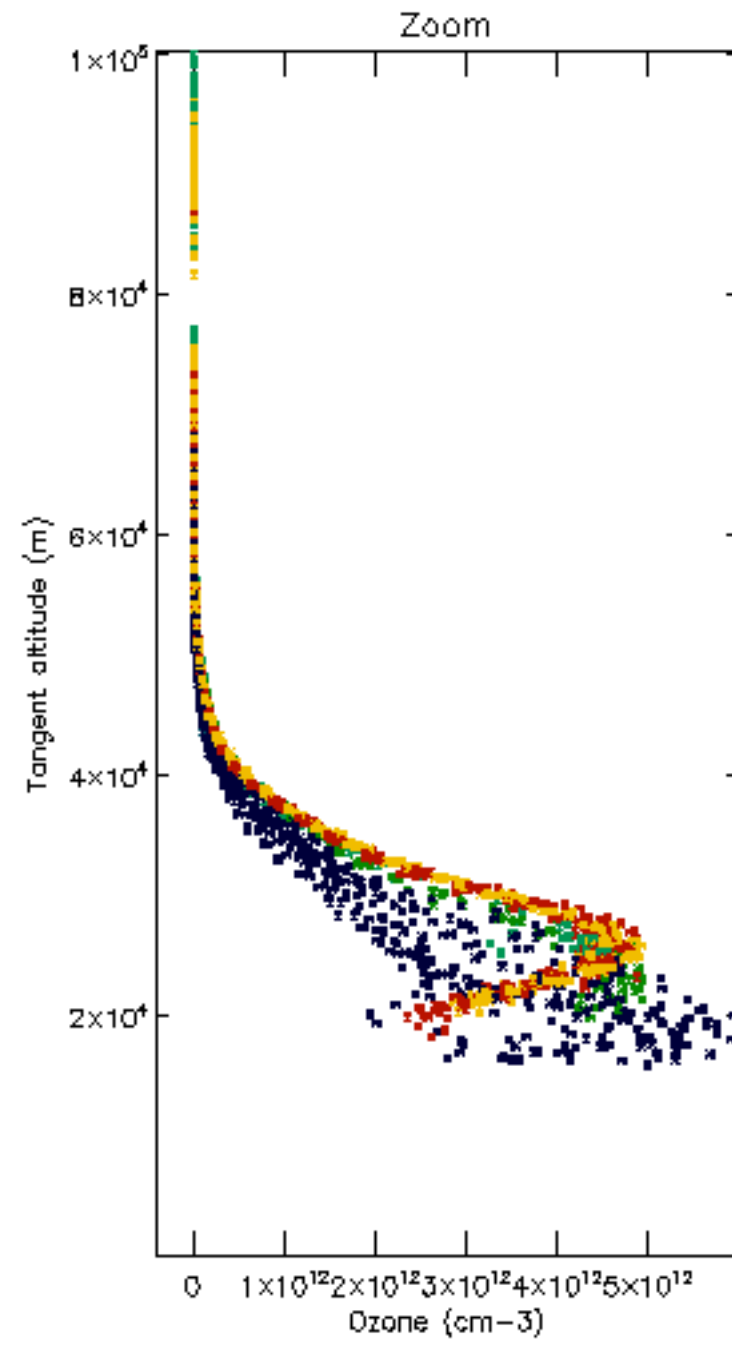
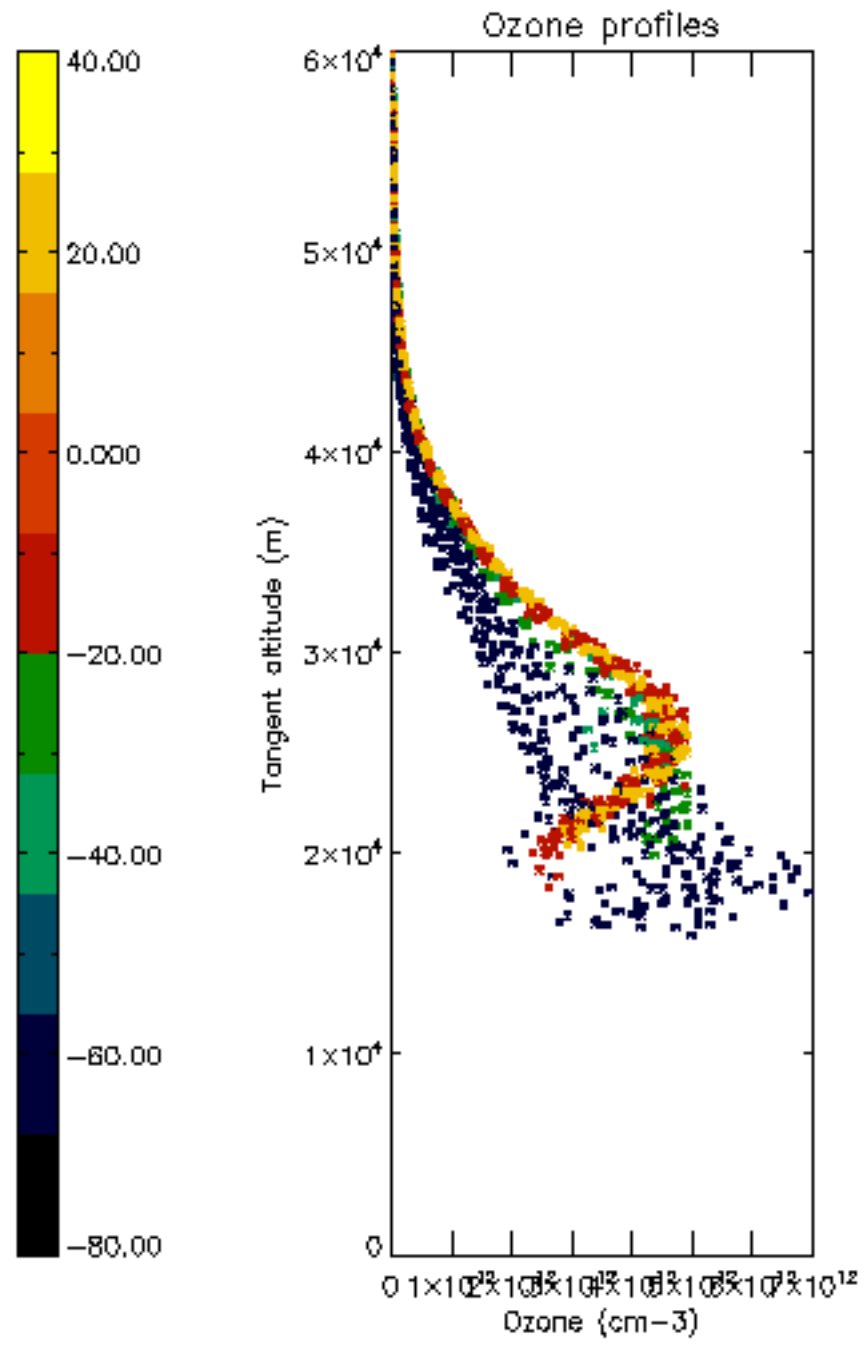
Percentage of saturation errors per profile

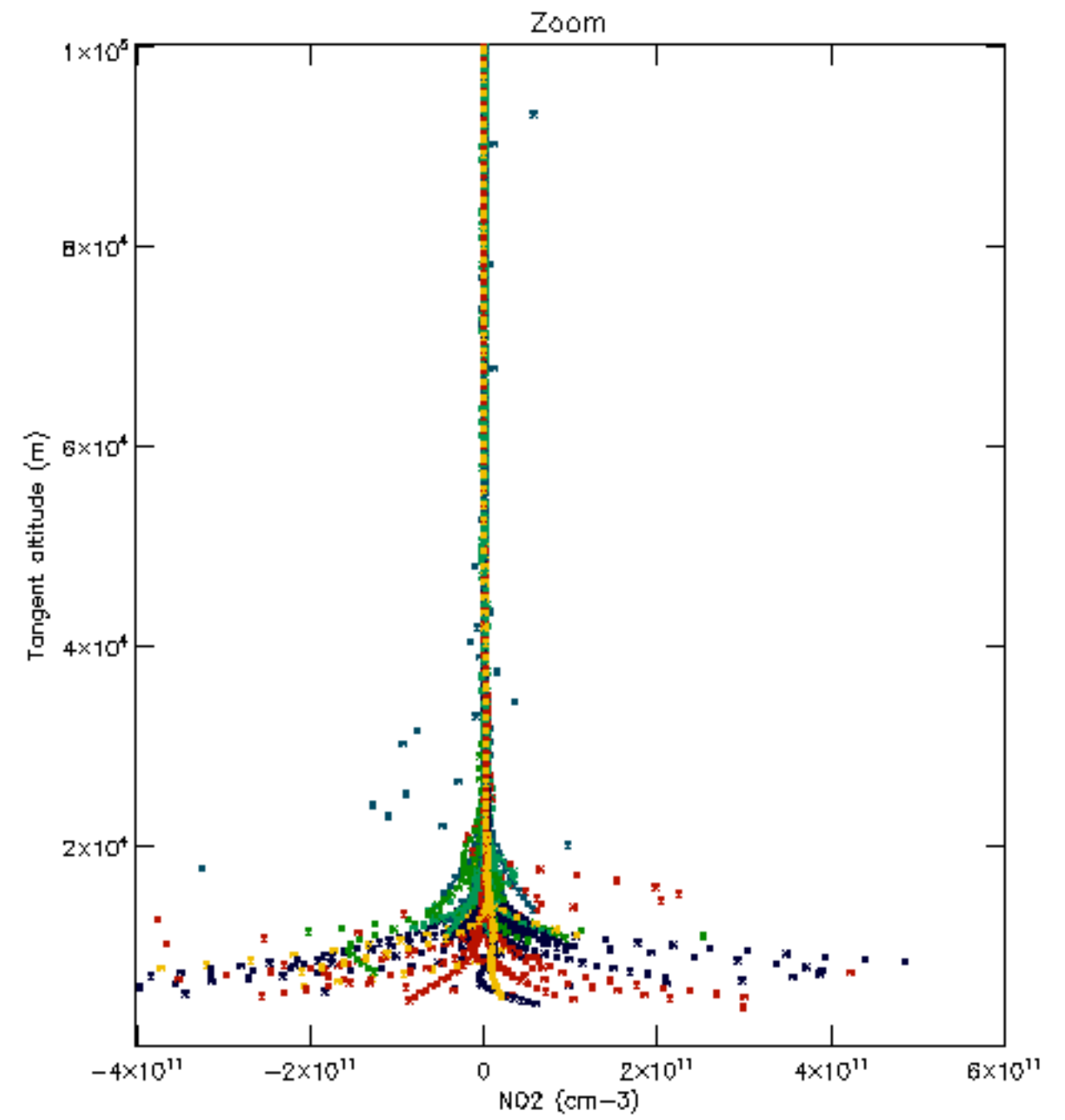
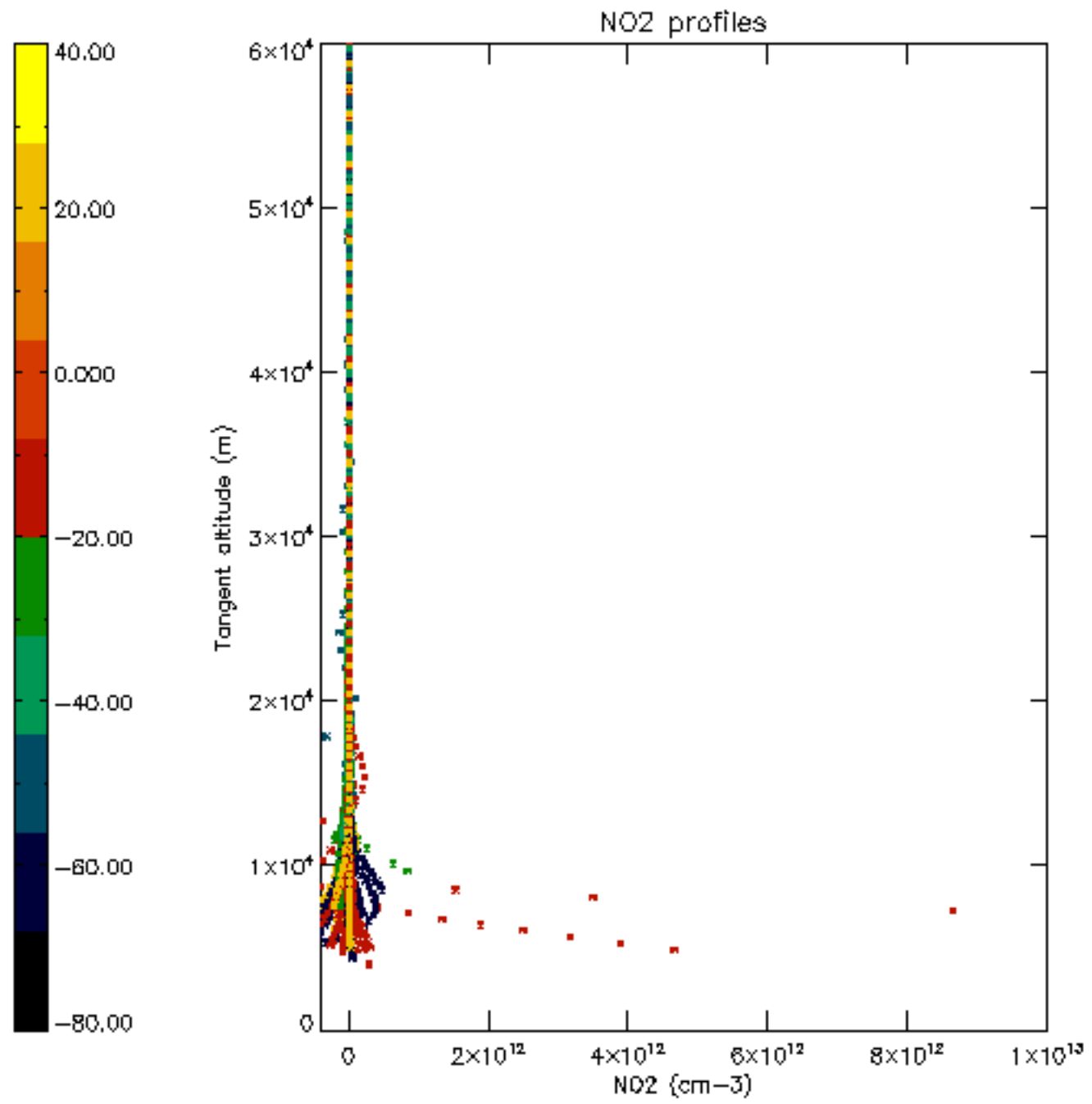


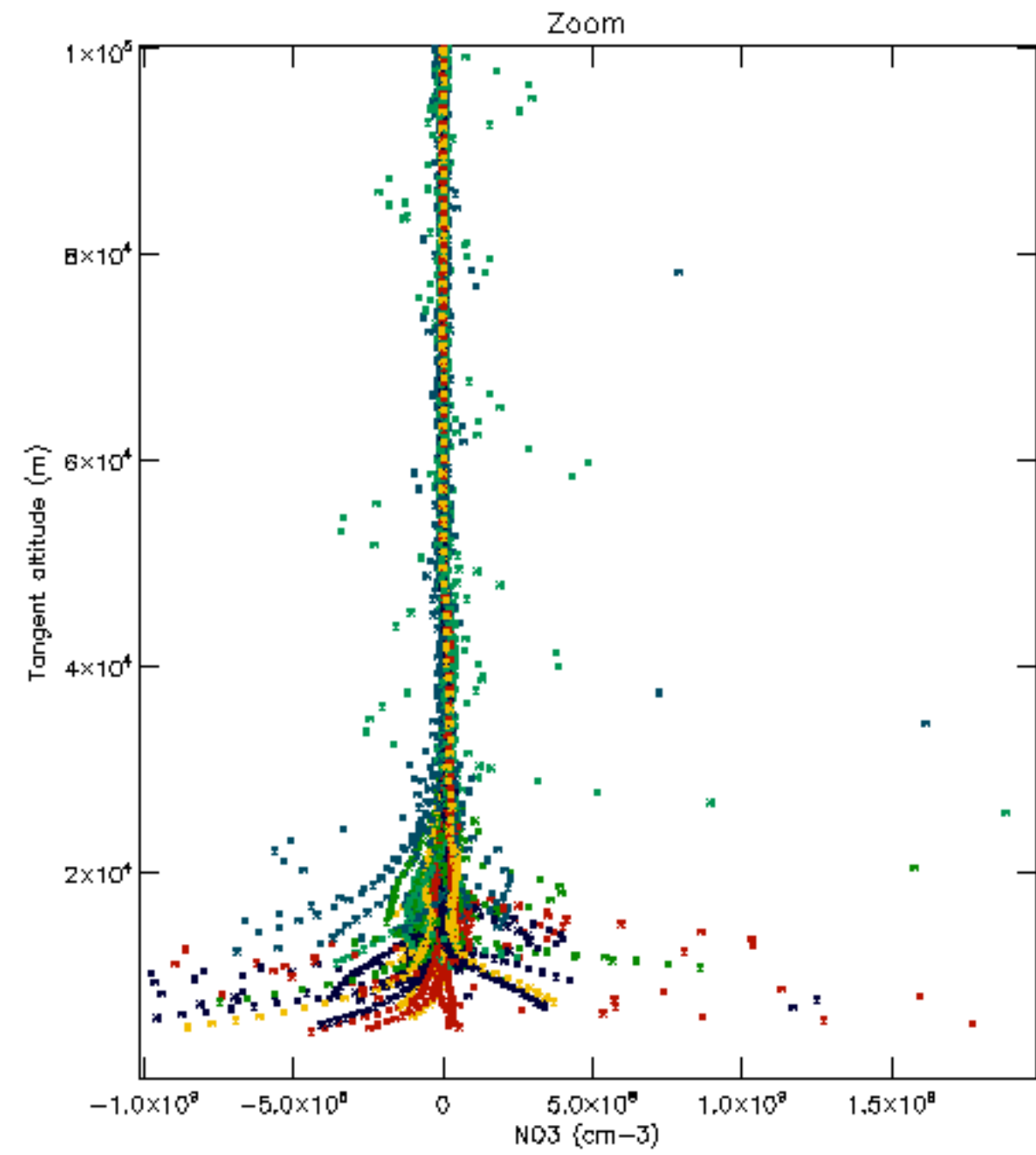
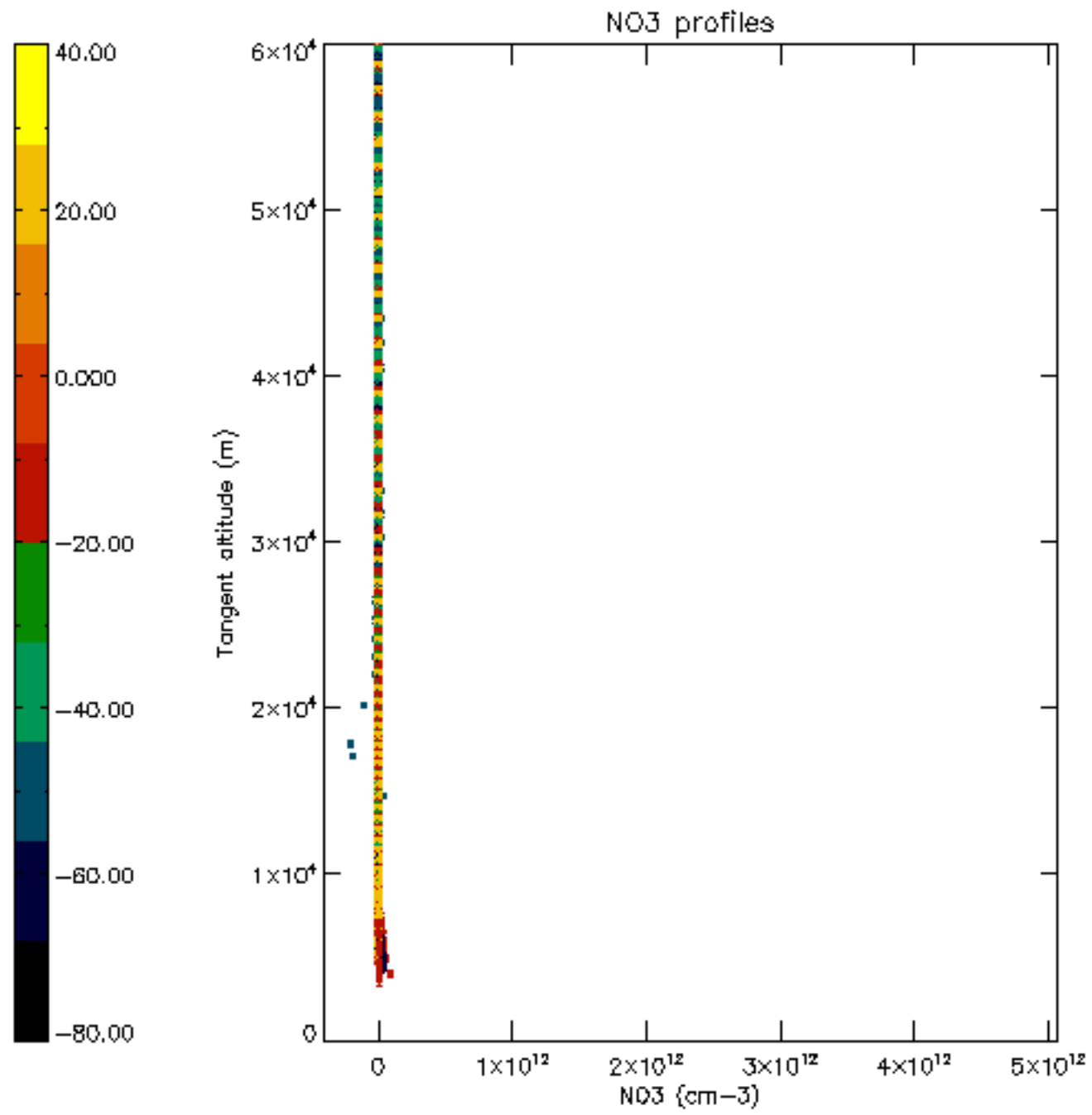


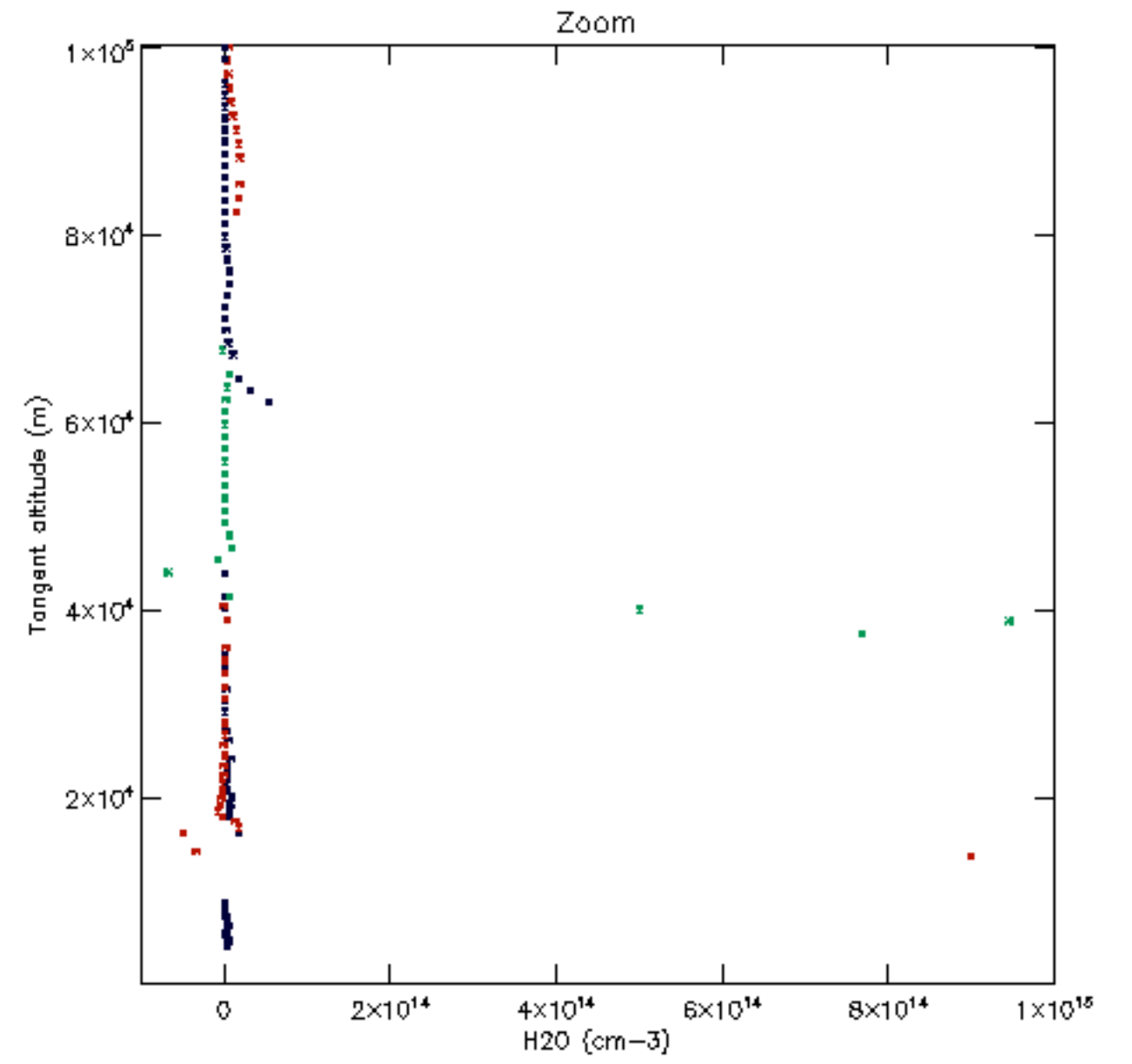
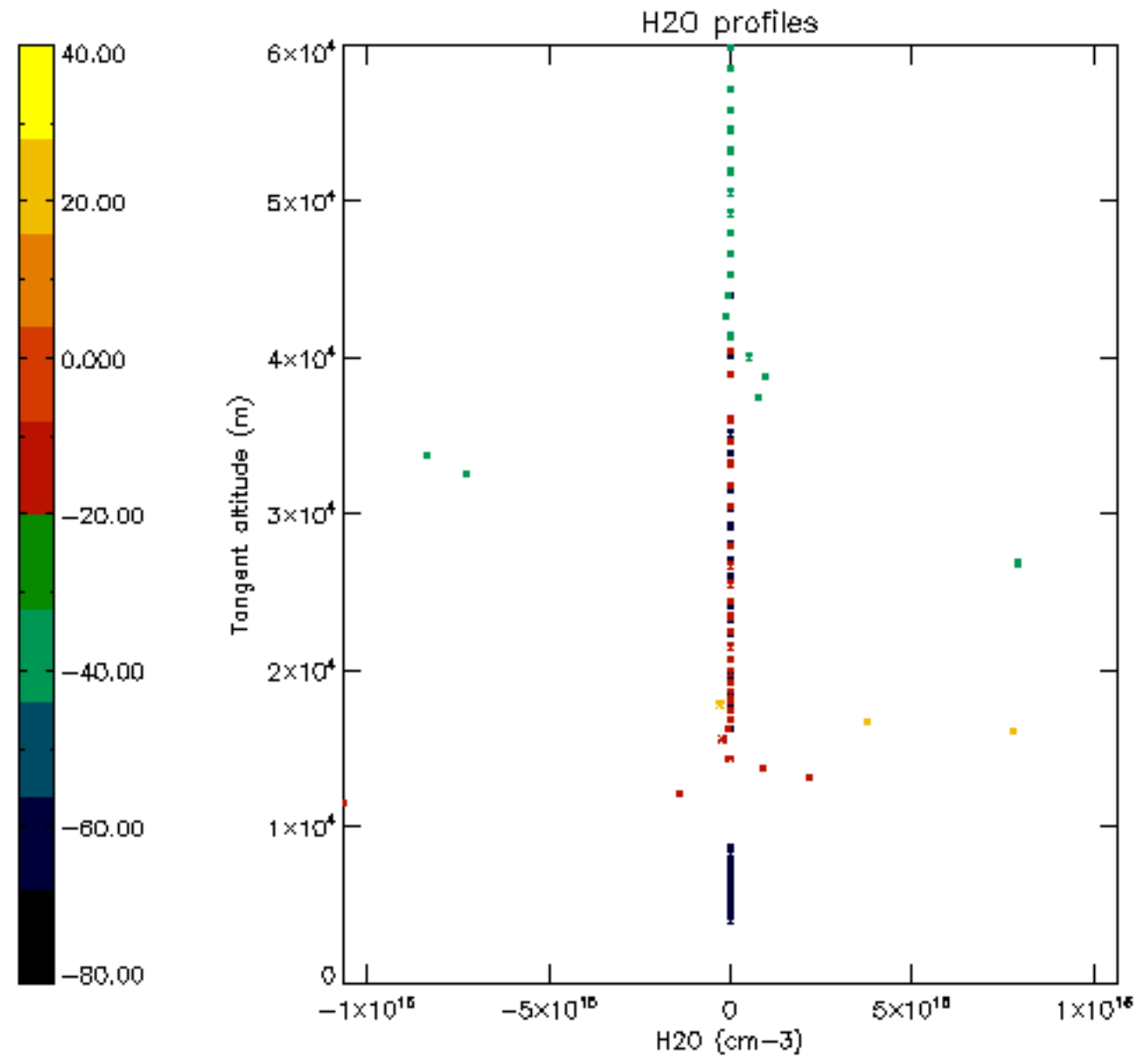


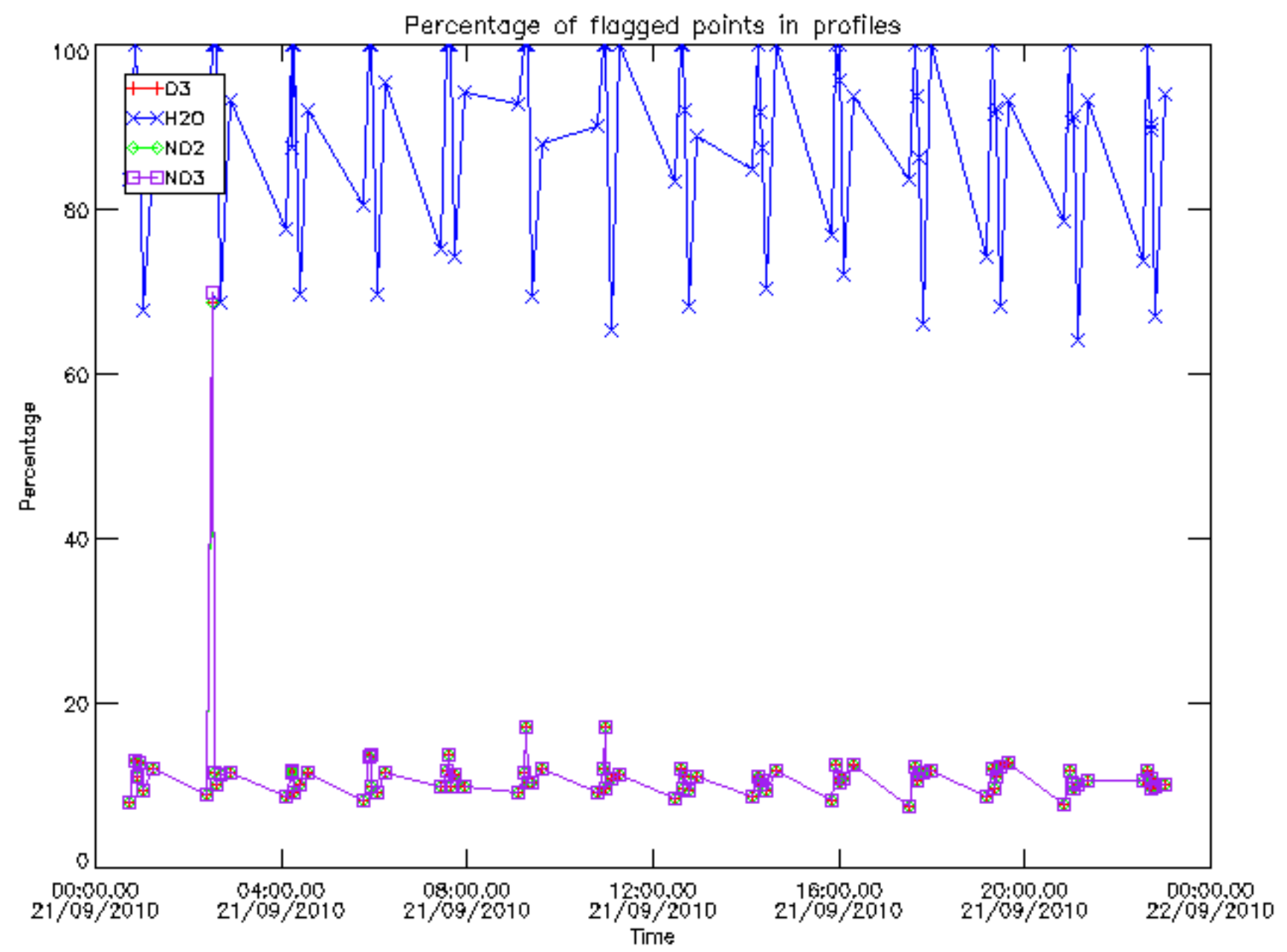




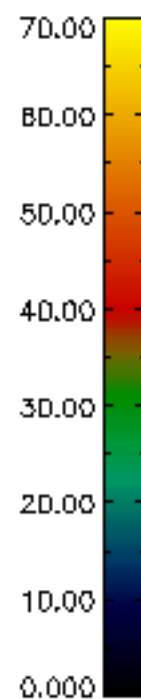
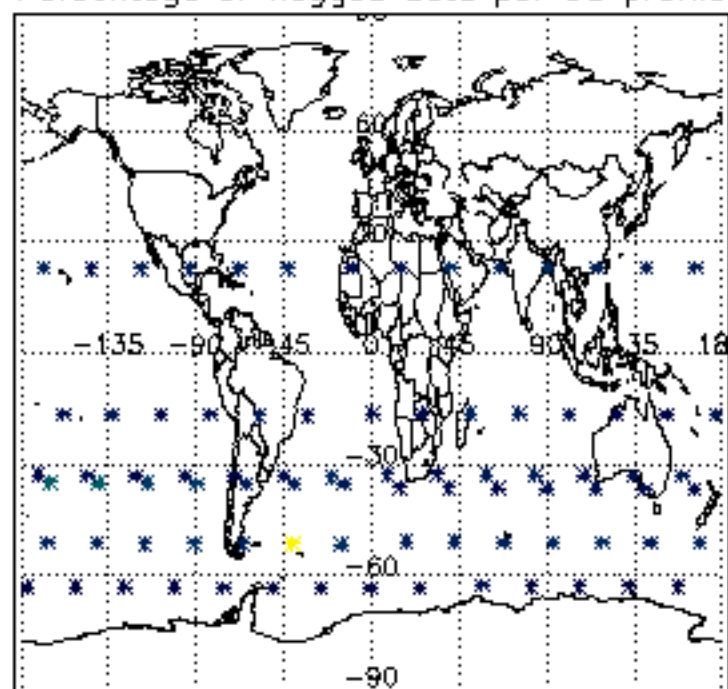




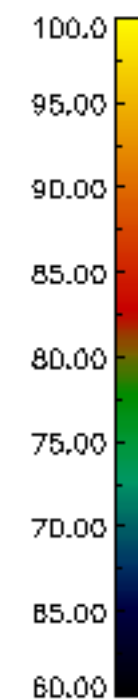
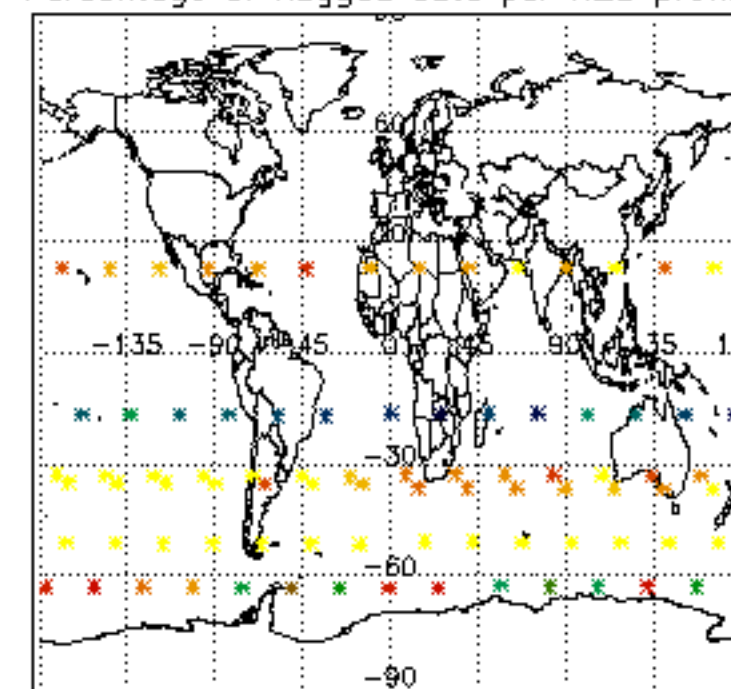




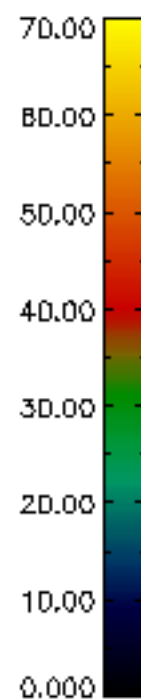
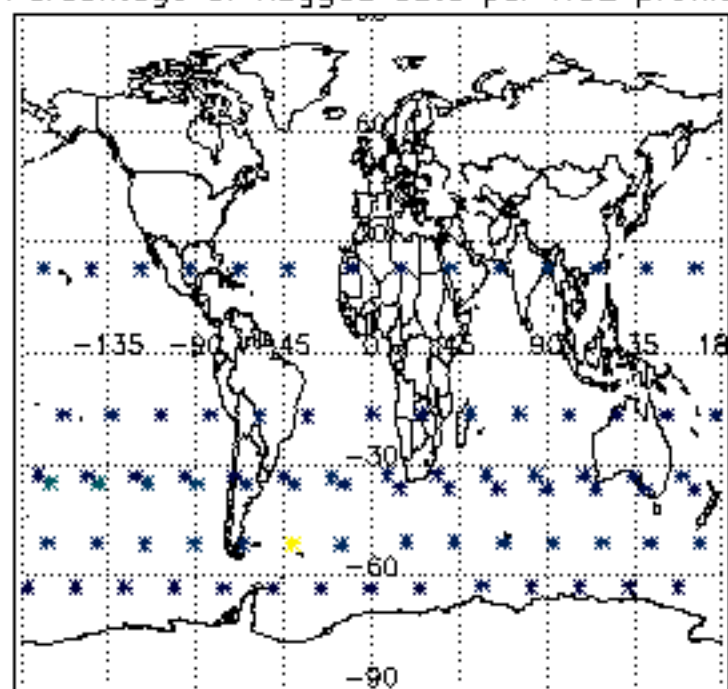
Percentage of flagged data per D3 profile



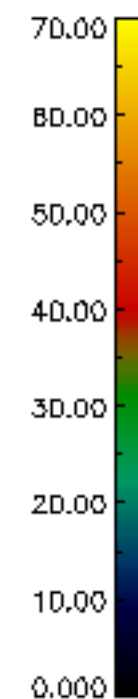
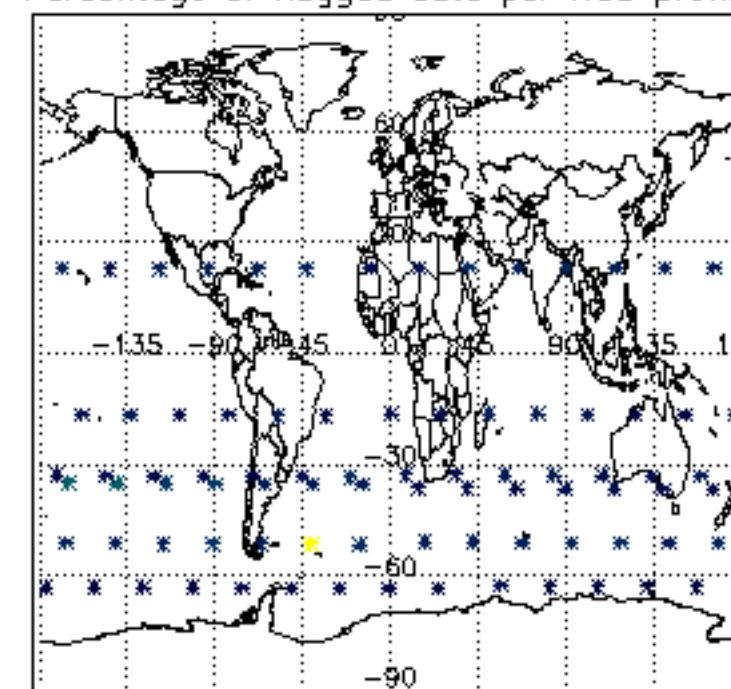
Percentage of flagged data per H2O profile

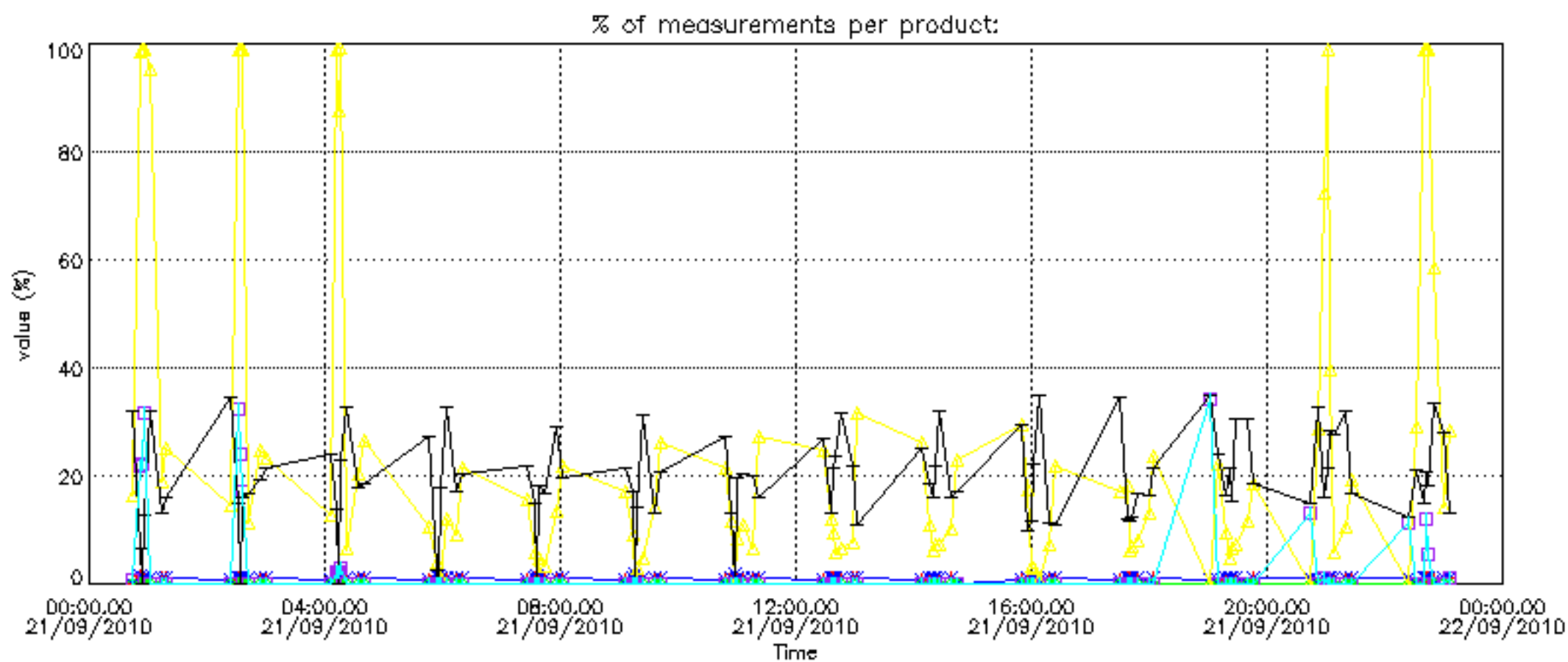


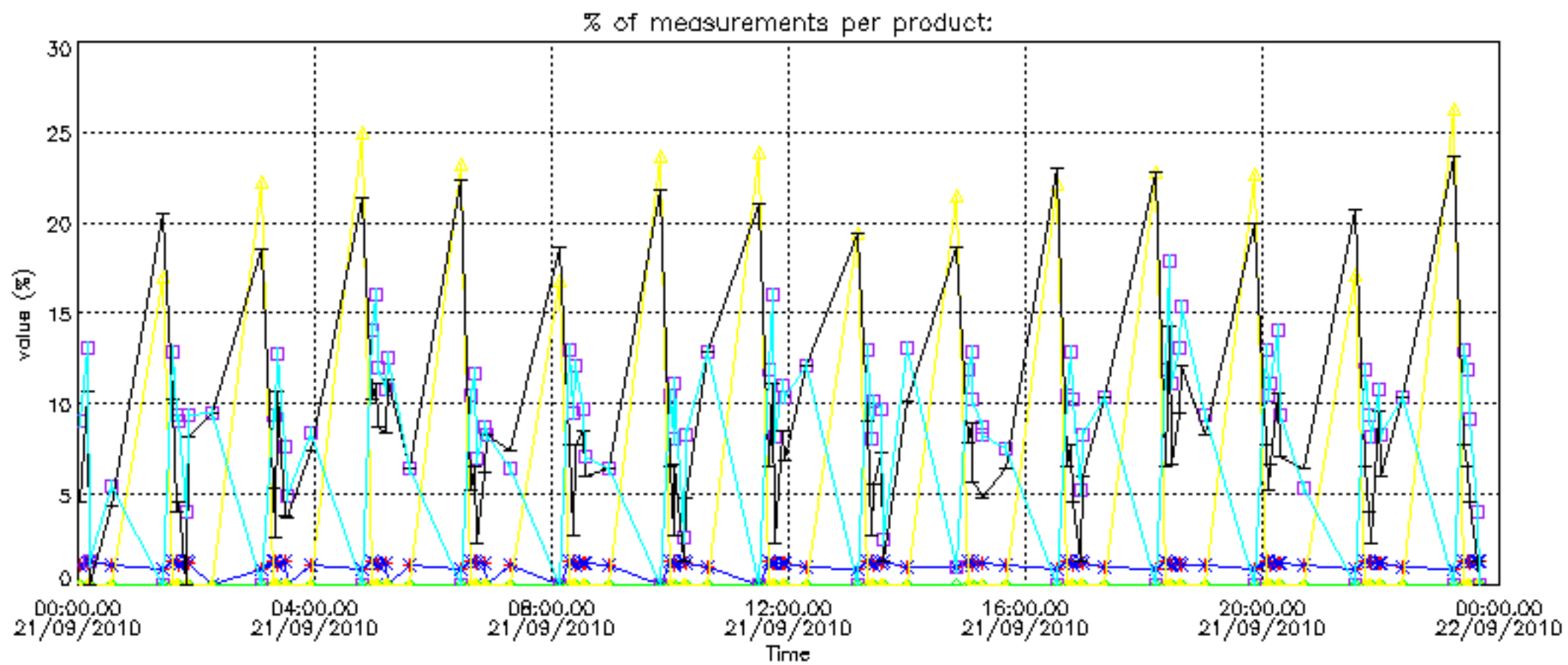
Percentage of flagged data per NO2 profile



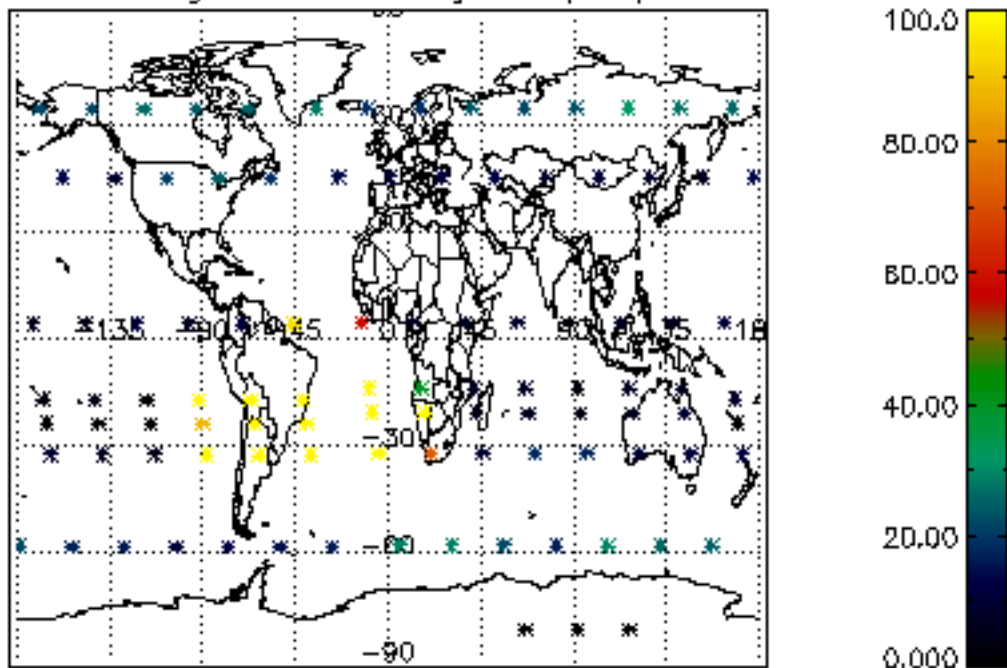
Percentage of flagged data per NO3 profile



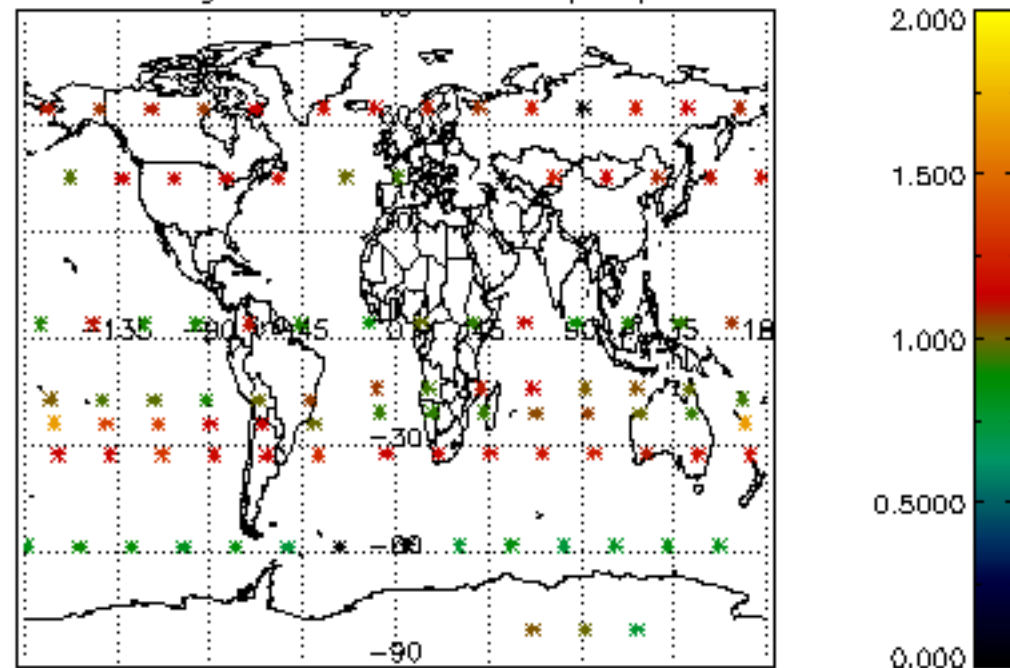




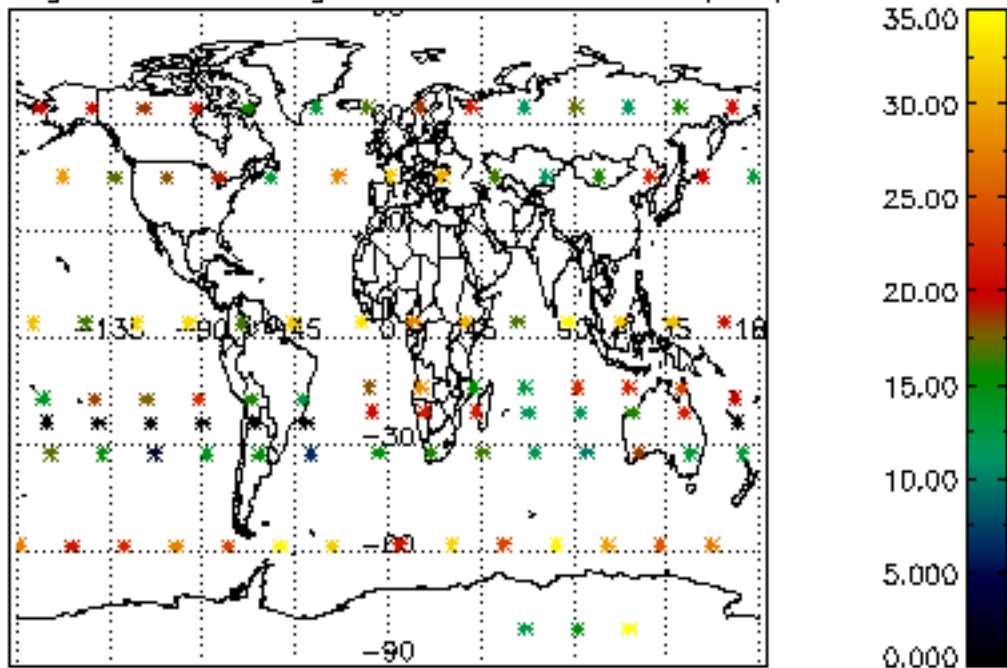
Percentage of cosmic ray hits per profile



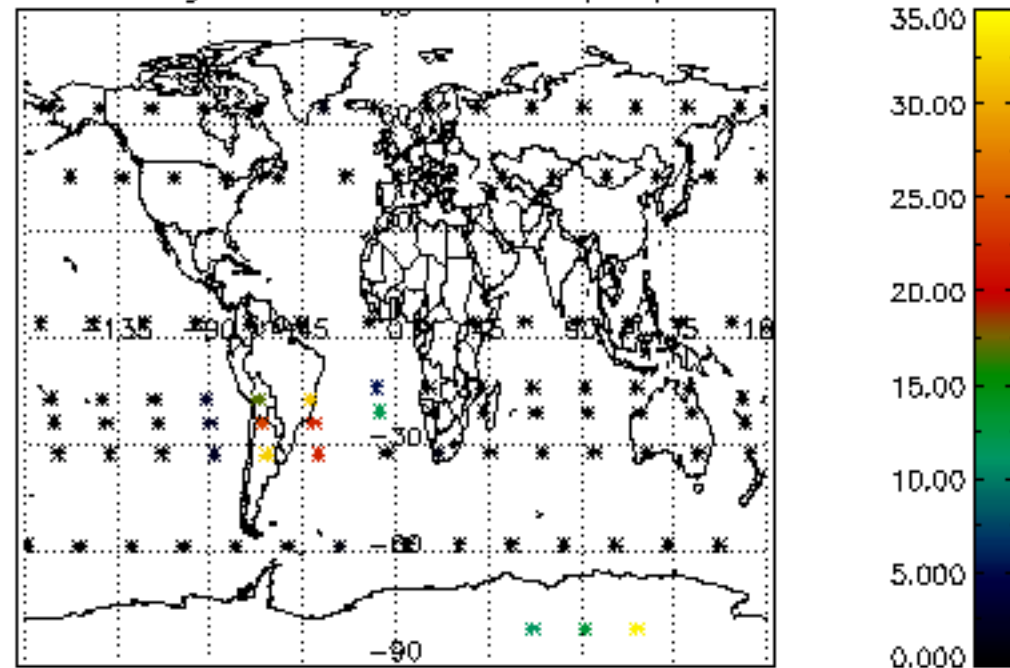
Percentage of datation errors per profile



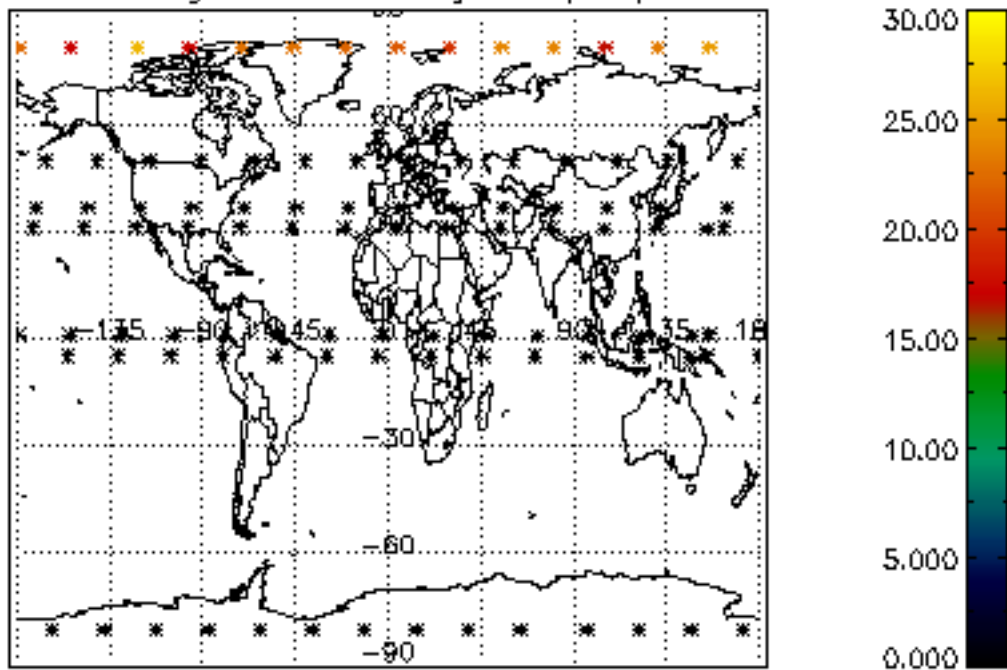
Percentage of star falling outside central band per profile



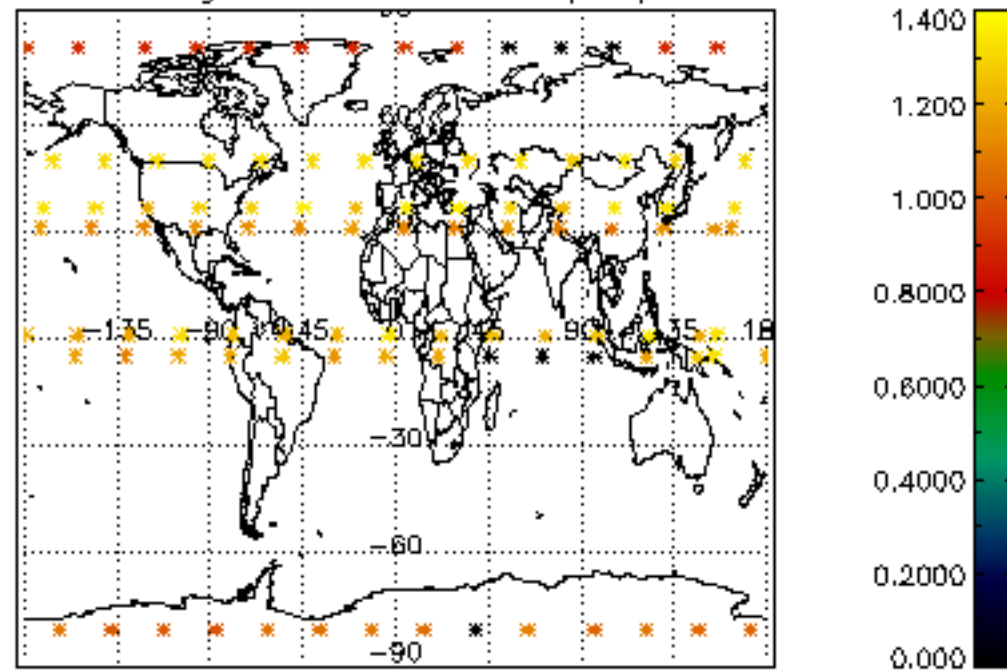
Percentage of saturation errors per profile



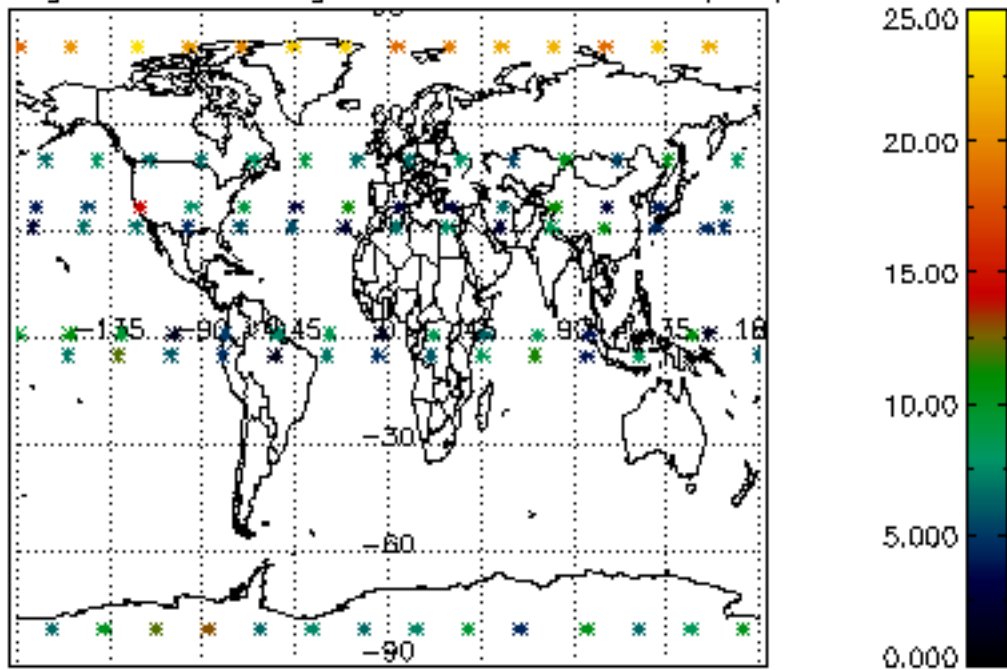
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

