

# GOMOS Level 2 Daily Report

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This report presents the daily analysis on parameters extracted from GOMOS level 2 data (GOM\_NL\_\_2P). It is intended to monitor some important parameters that will impact the quality of these products. A list of level 2 products (and content) that have arrived during the reporting day to the PCF is also given.

Item	Value
Time of report generation	25APR2013 20:16:30
Data source version	GOMOS/6.01
Start time of products	25-09-2008 (25SEP2008 00:00:00)
Stop time of products	26-09-2008 (26SEP2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	182
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__2PRFIN20080925_000259_000000502072_00231_34353_8654.N1	25-SEP-2008 00:02:59	Twilight	49.500	52	16Bet Cet	2.0370	4500.0	99	34353	No
2	GOM_NL__2PRFIN20080925_001319_000000382072_00231_34353_8655.N1	25-SEP-2008 00:13:19	Bright	37.500	90	54Alp Peg	2.4870	11000.	75	34353	No
3	GOM_NL__2PRFIN20080925_001702_000000372072_00231_34353_8656.N1	25-SEP-2008 00:17:02	Bright	36.500	93	53Bet Peg	2.5200	3100.0	73	34353	No
4	GOM_NL__2PRFIN20080925_002648_000000402072_00231_34353_8657.N1	25-SEP-2008 00:26:48	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	34353	No
5	GOM_NL__2PRFIN20080925_002820_000000402072_00231_34353_8658.N1	25-SEP-2008 00:28:20	Bright	39.500	76	27Gam Cas	2.3000	30000.	79	34353	No
6	GOM_NL__2PRFIN20080925_005213_000000512072_00231_34353_8659.N1	25-SEP-2008 00:52:13	Bright	51.000	24	66Alp Gem	1.5800	10200.	102	34353	No
7	GOM_NL__2PRFIN20080925_005333_000000532072_00231_34353_8660.N1	25-SEP-2008 00:53:33	Bright	52.500	17	78Bet Gem	1.1610	4500.0	105	34353	No
8	GOM_NL__2PRFIN20080925_010202_000000682072_00231_34353_8661.N1	25-SEP-2008 01:02:02	Dark	67.500	8	10Alp CMi	0.40000	6500.0	135	34353	No
9	GOM_NL__2PRFIN20080925_010918_000000442072_00231_34353_8662.N1	25-SEP-2008 01:09:18	Dark	44.000	132	15Rho Pup	2.8030	6900.0	88	34353	No
10	GOM_NL__2PRFIN20080925_011404_000000502072_00231_34353_8663.N1	25-SEP-2008 01:14:04	Dark	49.500	23	21Eps CMa	1.5020	26000.	99	34353	No
11	GOM_NL__2PRFIN20080925_011817_000000422072_00232_34354_8664.N1	25-SEP-2008 01:18:17	Dark	41.500	161	Tau Pup	2.9310	4500.0	83	34354	No
12	GOM_NL__2PRFIN20080925_013055_000000452072_00232_34354_8665.N1	25-SEP-2008 01:30:55	Dark	44.500	9	Alp Eri	0.45300	24000.	89	34354	No
13	GOM_NL__2PRFIN20080925_013625_000000412072_00232_34354_8666.N1	25-SEP-2008 01:36:25	Straylight	40.500	84	Alp Phe	2.3970	4500.0	81	34354	No
14	GOM_NL__2PRFIN20080925_014335_000000502072_00232_34354_8667.N1	25-SEP-2008 01:43:35	Twilight	50.000	52	16Bet Cet	2.0370	4500.0	100	34354	No
15	GOM_NL__2PRFIN20080925_015355_000000362072_00232_34354_8668.N1	25-SEP-2008 01:53:55	Bright	35.500	90	54Alp Peg	2.4870	11000.	71	34354	No
16	GOM_NL__2PRFIN20080925_015738_000000402072_00232_34354_8669.N1	25-SEP-2008 01:57:38	Bright	39.500	93	53Bet Peg	2.5200	3100.0	79	34354	No
17	GOM_NL__2PRFIN20080925_020724_000000362072_00232_34354_8670.N1	25-SEP-2008 02:07:24	Bright	35.500	74	11Bet Cas	2.2680	6600.0	71	34354	No
18	GOM_NL__2PRFIN20080925_020855_000000372072_00232_34354_8671.N1	25-SEP-2008 02:08:55	Bright	37.000	76	27Gam Cas	2.3000	30000.	74	34354	No
19	GOM_NL__2PRFIN20080925_023249_000000512072_00232_34354_8672.N1	25-SEP-2008 02:32:49	Bright	51.000	24	66Alp Gem	1.5800	10200.	102	34354	No
20	GOM_NL__2PRFIN20080925_024239_000000632072_00232_34354_8673.N1	25-SEP-2008 02:42:39	Dark	63.000	8	10Alp CMi	0.40000	6500.0	126	34354	No
21	GOM_NL__2PRFIN20080925_025313_000000482072_00232_34354_8674.N1	25-SEP-2008 02:53:13	Dark	48.000	88	31Eta CMa	2.4480	20000.	96	34354	No
22	GOM_NL__2PRFIN20080925_025441_000000532072_00232_34354_8675.N1	25-SEP-2008 02:54:41	Dark	53.000	23	21Eps CMa	1.5020	26000.	106	34354	No
23	GOM_NL__2PRFIN20080925_025853_000000492072_00233_34355_8678.N1	25-SEP-2008 02:58:53	Dark	49.000	161	Tau Pup	2.9310	4500.0	98	34355	No
24	GOM_NL__2PRFIN20080925_031131_000000512072_00233_34355_8679.N1	25-SEP-2008 03:11:31	Dark	50.500	9	Alp Eri	0.45300	24000.	101	34355	No
25	GOM_NL__2PRFIN20080925_031701_000000442072_00233_34355_8680.N1	25-SEP-2008 03:17:01	Straylight	43.500	84	Alp Phe	2.3970	4500.0	87	34355	No
26	GOM_NL__2PRFIN20080925_032411_000000502072_00233_34355_8681.N1	25-SEP-2008 03:24:11	Twilight	50.000	52	16Bet Cet	2.0370	4500.0	100	34355	No
27	GOM_NL__2PRFIN20080925_033431_000000382072_00233_34355_8682.N1	25-SEP-2008 03:34:31	Bright	37.500	90	54Alp Peg	2.4870	11000.	75	34355	No
28	GOM_NL__2PRFIN20080925_033814_000000362072_00233_34355_8683.N1	25-SEP-2008 03:38:14	Bright	36.000	93	53Bet Peg	2.5200	3100.0	72	34355	No
29	GOM_NL__2PRFIN20080925_034759_000000392072_00233_34355_8684.N1	25-SEP-2008 03:47:59	Bright	38.500	74	11Bet Cas	2.2680	6600.0	77	34355	No
30	GOM_NL__2PRFIN20080925_034930_000000412072_00233_34355_8685.N1	25-SEP-2008 03:49:30	Bright	41.000	76	27Gam Cas	2.3000	30000.	82	34355	No
31	GOM_NL__2PRFIN20080925_041325_000000512072_00233_34355_8686.N1	25-SEP-2008 04:13:25	Bright	51.000	24	66Alp Gem	1.5800	10200.	102	34355	No
32	GOM_NL__2PRFIN20080925_042316_000000632072_00233_34355_8687.N1	25-SEP-2008 04:23:16	Dark	63.000	8	10Alp CMi	0.40000	6500.0	126	34355	No
33	GOM_NL__2PRFIN20080925_043032_000000432072_00233_34355_8688.N1	25-SEP-2008 04:30:32	Dark	43.000	132	15Rho Pup	2.8030	6900.0	86	34355	No
34	GOM_NL__2PRFIN20080925_043349_000000452072_00233_34355_8689.N1	25-SEP-2008 04:33:49	Dark	44.500	88	31Eta CMa	2.4480	20000.	89	34355	No
35	GOM_NL__2PRFIN20080925_043518_000000512072_00233_34355_8690.N1	25-SEP-2008 04:35:18	Dark	51.000	23	21Eps CMa	1.5020	26000.	102	34355	No
36	GOM_NL__2PRFIN20080925_043930_000000422072_00234_34356_8689.N1	25-SEP-2008 04:39:30	Dark	42.000	161	Tau Pup	2.9310	4500.0	84	34356	No
37	GOM_NL__2PRFIN20080925_045208_000000422072_00234_34356_8690.N1	25-SEP-2008 04:52:08	Dark	41.500	9	Alp Eri	0.45300	24000.	83	34356	No
38	GOM_NL__2PRFIN20080925_045738_000000422072_00234_34356_8691.N1	25-SEP-2008 04:57:38	Straylight	41.500	84	Alp Phe	2.3970	4500.0	83	34356	No
39	GOM_NL__2PRFIN20080925_050447_000000502072_00234_34356_8692.N1	25-SEP-2008 05:04:47	Twilight	50.000	52	16Bet Cet	2.0370	4500.0	100	34356	No
40	GOM_NL__2PRFIN20080925_051507_000000362072_00234_34356_8693.N1	25-SEP-2008 05:15:07	Bright	36.000	90	54Alp Peg	2.4870	11000.	72	34356	No
41	GOM_NL__2PRFIN20080925_051850_000000392072_00234_34356_8694.N1	25-SEP-2008 05:18:50	Bright	38.500	93	53Bet Peg	2.5200	3100.0	77	34356	No
42	GOM_NL__2PRFIN20080925_052835_000000392072_00234_34356_8695.N1	25-SEP-2008 05:28:35	Bright	39.000	74	11Bet Cas	2.2680	6600.0	78	34356	No

43	GOM_NL__2PRFIN20080925_053006_000000412072_00234_34356_8696.N1	25-SEP-2008 05:30:06	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	34356	No
44	GOM_NL__2PRFIN20080925_055401_000000432072_00234_34356_8697.N1	25-SEP-2008 05:54:01	Bright	43.000	24	66Alp Gem	1.5800	10200.	86	34356	No
45	GOM_NL__2PRFIN20080925_060353_000000602072_00234_34356_8698.N1	25-SEP-2008 06:03:53	Dark	59.500	8	10Alp CMi	0.40000	6500.0	119	34356	No
46	GOM_NL__2PRFIN20080925_061108_000000422072_00234_34356_8699.N1	25-SEP-2008 06:11:08	Dark	42.000	132	15Rho Pup	2.8030	6900.0	84	34356	No
47	GOM_NL__2PRFIN20080925_061426_000000482072_00234_34356_8700.N1	25-SEP-2008 06:14:26	Dark	48.000	88	31Eta CMa	2.4480	20000.	96	34356	No
48	GOM_NL__2PRFIN20080925_061555_000000542072_00234_34356_8701.N1	25-SEP-2008 06:15:55	Dark	54.000	23	21Eps CMa	1.5020	26000.	108	34356	No
49	GOM_NL__2PRFIN20080925_062007_000000422072_00235_34357_8710.N1	25-SEP-2008 06:20:07	Dark	41.500	161	Tau Pup	2.9310	4500.0	83	34357	No
50	GOM_NL__2PRFIN20080925_063244_000000502072_00235_34357_8711.N1	25-SEP-2008 06:32:44	Dark	50.000	9	Alp Eri	0.45300	24000.	100	34357	No
51	GOM_NL__2PRFIN20080925_063814_000000432072_00235_34357_8712.N1	25-SEP-2008 06:38:14	Straylight	43.000	84	Alp Phe	2.3970	4500.0	86	34357	No
52	GOM_NL__2PRFIN20080925_064523_000000502072_00235_34357_8713.N1	25-SEP-2008 06:45:23	Tw_i_and_stray	50.000	52	16Bet Cet	2.0370	4500.0	100	34357	No
53	GOM_NL__2PRFIN20080925_065543_000000372072_00235_34357_8714.N1	25-SEP-2008 06:55:43	Bright	37.000	90	54Alp Peg	2.4870	11000.	74	34357	No
54	GOM_NL__2PRFIN20080925_065926_000000382072_00235_34357_8715.N1	25-SEP-2008 06:59:26	Bright	37.500	93	53Bet Peg	2.5200	3100.0	75	34357	No
55	GOM_NL__2PRFIN20080925_070911_000000392072_00235_34357_8716.N1	25-SEP-2008 07:09:11	Bright	38.500	74	11Bet Cas	2.2680	6600.0	77	34357	No
56	GOM_NL__2PRFIN20080925_071042_000000402072_00235_34357_8717.N1	25-SEP-2008 07:10:42	Bright	40.000	76	27Gam Cas	2.3000	30000.	80	34357	No
57	GOM_NL__2PRFIN20080925_073437_000000432072_00235_34357_8718.N1	25-SEP-2008 07:34:37	Bright	43.000	24	66Alp Gem	1.5800	10200.	86	34357	No
58	GOM_NL__2PRFIN20080925_074429_000000632072_00235_34357_8719.N1	25-SEP-2008 07:44:29	Dark	63.000	8	10Alp CMi	0.40000	6500.0	126	34357	No
59	GOM_NL__2PRFIN20080925_075145_000000462072_00235_34357_8720.N1	25-SEP-2008 07:51:45	Dark	45.500	132	15Rho Pup	2.8030	6900.0	91	34357	No
60	GOM_NL__2PRFIN20080925_075503_000000472072_00235_34357_8721.N1	25-SEP-2008 07:55:03	Dark	47.000	88	31Eta CMa	2.4480	20000.	94	34357	No
61	GOM_NL__2PRFIN20080925_075632_000000522072_00235_34357_8722.N1	25-SEP-2008 07:56:32	Dark	52.000	23	21Eps CMa	1.5020	26000.	104	34357	No
62	GOM_NL__2PRFIN20080925_080043_000000412072_00236_34358_8724.N1	25-SEP-2008 08:00:43	Dark	41.000	161	Tau Pup	2.9310	4500.0	82	34358	No
63	GOM_NL__2PRFIN20080925_081321_000000482072_00236_34358_8725.N1	25-SEP-2008 08:13:21	Dark	48.000	9	Alp Eri	0.45300	24000.	96	34358	No
64	GOM_NL__2PRFIN20080925_081850_000000432072_00236_34358_8726.N1	25-SEP-2008 08:18:50	Straylight	42.500	84	Alp Phe	2.3970	4500.0	85	34358	No
65	GOM_NL__2PRFIN20080925_082559_000000512072_00236_34358_8727.N1	25-SEP-2008 08:25:59	Tw_i_and_stray	51.000	52	16Bet Cet	2.0370	4500.0	102	34358	No
66	GOM_NL__2PRFIN20080925_083619_000000362072_00236_34358_8728.N1	25-SEP-2008 08:36:19	Bright	36.000	90	54Alp Peg	2.4870	11000.	72	34358	No
67	GOM_NL__2PRFIN20080925_084001_000000532072_00236_34358_8729.N1	25-SEP-2008 08:40:01	Bright	53.000	93	53Bet Peg	2.5200	3100.0	106	34358	No
68	GOM_NL__2PRFIN20080925_084946_000000392072_00236_34358_8730.N1	25-SEP-2008 08:49:46	Bright	39.000	74	11Bet Cas	2.2680	6600.0	78	34358	No
69	GOM_NL__2PRFIN20080925_085117_000000412072_00236_34358_8731.N1	25-SEP-2008 08:51:17	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	34358	No
70	GOM_NL__2PRFIN20080925_091513_000000352072_00236_34358_8732.N1	25-SEP-2008 09:15:13	Bright	35.000	24	66Alp Gem	1.5800	10200.	70	34358	No
71	GOM_NL__2PRFIN20080925_092506_000000742072_00236_34358_8733.N1	25-SEP-2008 09:25:06	Dark	74.000	8	10Alp CMi	0.40000	6500.0	148	34358	No
72	GOM_NL__2PRFIN20080925_093222_000000422072_00236_34358_8734.N1	25-SEP-2008 09:32:22	Dark	42.000	132	15Rho Pup	2.8030	6900.0	84	34358	No
73	GOM_NL__2PRFIN20080925_093540_000000492072_00236_34358_8735.N1	25-SEP-2008 09:35:40	Dark	49.000	88	31Eta CMa	2.4480	20000.	98	34358	No
74	GOM_NL__2PRFIN20080925_093709_000000512072_00236_34358_8736.N1	25-SEP-2008 09:37:09	Dark	51.000	23	21Eps CMa	1.5020	26000.	102	34358	No
75	GOM_NL__2PRFIN20080925_094120_000000472072_00237_34359_8736.N1	25-SEP-2008 09:41:20	Dark	47.000	161	Tau Pup	2.9310	4500.0	94	34359	No
76	GOM_NL__2PRFIN20080925_095357_000000532072_00237_34359_8737.N1	25-SEP-2008 09:53:57	Dark	52.500	9	Alp Eri	0.45300	24000.	105	34359	No
77	GOM_NL__2PRFIN20080925_095927_000000402072_00237_34359_8738.N1	25-SEP-2008 09:59:27	Straylight	40.000	84	Alp Phe	2.3970	4500.0	80	34359	No
78	GOM_NL__2PRFIN20080925_100635_000000512072_00237_34359_8739.N1	25-SEP-2008 10:06:35	Tw_i_and_stray	51.000	52	16Bet Cet	2.0370	4500.0	102	34359	No
79	GOM_NL__2PRFIN20080925_101655_000000362072_00237_34359_8740.N1	25-SEP-2008 10:16:55	Bright	36.000	90	54Alp Peg	2.4870	11000.	72	34359	No
80	GOM_NL__2PRFIN20080925_102037_000000362072_00237_34359_8741.N1	25-SEP-2008 10:20:37	Bright	36.000	93	53Bet Peg	2.5200	3100.0	72	34359	No
81	GOM_NL__2PRFIN20080925_103022_000000372072_00237_34359_8742.N1	25-SEP-2008 10:30:22	Bright	37.000	74	11Bet Cas	2.2680	6600.0	74	34359	No
82	GOM_NL__2PRFIN20080925_103152_000000412072_00237_34359_8743.N1	25-SEP-2008 10:31:52	Bright	41.000	76	27Gam Cas	2.3000	30000.	82	34359	No
83	GOM_NL__2PRFIN20080925_105550_000000352072_00237_34359_8744.N1	25-SEP-2008 10:55:50	Bright	35.000	24	66Alp Gem	1.5800	10200.	70	34359	No
84	GOM_NL__2PRFIN20080925_110543_000000662072_00237_34359_8745.N1	25-SEP-2008 11:05:43	Dark	66.000	8	10Alp CMi	0.40000	6500.0	132	34359	No
85	GOM_NL__2PRFIN20080925_111258_000000432072_00237_34359_8746.N1	25-SEP-2008 11:12:58	Dark	42.500	132	15Rho Pup	2.8030	6900.0	85	34359	No
86	GOM_NL__2PRFIN20080925_111617_000000442072_00237_34359_8747.N1	25-SEP-2008 11:16:17	Dark	44.000	88	31Eta CMa	2.4480	20000.	88	34359	No
87	GOM_NL__2PRFIN20080925_111746_000000532072_00237_34359_8748.N1	25-SEP-2008 11:17:46	Dark	52.500	23	21Eps CMa	1.5020	26000.	105	34359	No
88	GOM_NL__2PRFIN20080925_112157_000000422072_00238_34360_8750.N1	25-SEP-2008 11:21:57	Dark	41.500	161	Tau Pup	2.9310	4500.0	83	34360	No
89	GOM_NL__2PRFIN20080925_113433_000000442072_00238_34360_8751.N1	25-SEP-2008 11:34:33	Dark	44.000	9	Alp Eri	0.45300	24000.	88	34360	No
90	GOM_NL__2PRFIN20080925_114003_000000392072_00238_34360_8752.N1	25-SEP-2008 11:40:03	Straylight	39.000	84	Alp Phe	2.3970	4500.0	78	34360	No
91	GOM_NL__2PRFIN20080925_114711_000000502072_00238_34360_8753.N1	25-SEP-2008 11:47:11	Tw_i_and_stray	49.500	52	16Bet Cet	2.0370	4500.0	99	34360	No
92	GOM_NL__2PRFIN20080925_115731_000000372072_00238_34360_8754.N1	25-SEP-2008 11:57:31	Bright	36.500	90	54Alp Peg	2.4870	11000.	73	34360	No
93	GOM_NL__2PRFIN20080925_120113_000000392072_00238_34360_8755.N1	25-SEP-2008 12:01:13	Bright	39.000	93	53Bet Peg	2.5200	3100.0	78	34360	No
94	GOM_NL__2PRFIN20080925_121057_000000402072_00238_34360_8756.N1	25-SEP-2008 12:10:57	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	34360	No
95	GOM_NL__2PRFIN20080925_121228_000000422072_00238_34360_8757.N1	25-SEP-2008 12:12:28	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	34360	No
96	GOM_NL__2PRFIN20080925_123625_000000272072_00238_34360_8758.N1	25-SEP-2008 12:36:25	Tw_i_and_stray	27.000	24	66Alp Gem	1.5800	10200.	54	34360	No
97	GOM_NL__2PRFIN20080925_124619_000000672072_00238_34360_8759.N1	25-SEP-2008 12:46:19	Dark	67.000	8	10Alp CMi	0.40000	6500.0	134	34360	No
98	GOM_NL__2PRFIN20080925_125335_000000422072_00238_34360_8760.N1	25-SEP-2008 12:53:35	Dark	41.500	132	15Rho Pup	2.8030	6900.0	83	34360	No
99	GOM_NL__2PRFIN20080925_125654_000000482072_00238_34360_8761.N1	25-SEP-2008 12:56:54	Dark	47.500	88	31Eta CMa	2.4480	20000.	95	34360	No
100	GOM_NL__2PRFIN20080925_125823_000000512072_00238_34360_8762.N1	25-SEP-2008 12:58:23	Dark	50.500	23	21Eps CMa	1.5020	26000.	101	34360	No
101	GOM_NL__2PRFIN20080925_130233_000000432072_00239_34361_8760.N1	25-SEP-2008 13:02:33	Dark	43.000	161	Tau Pup	2.9310	4500.0	86	34361	No

102	GOM_NL__2PRFIN20080925_131509_000000472072_00239_34361_8761.N1	25-SEP-2008 13:15:09	Dark	47.000	9	Alp Eri	0.45300	24000.	94	34361	No
103	GOM_NL__2PRFIN20080925_132039_000000432072_00239_34361_8762.N1	25-SEP-2008 13:20:39	Straylight	42.500	84	Alp Phe	2.3970	4500.0	85	34361	No
104	GOM_NL__2PRFIN20080925_132747_000000512072_00239_34361_8763.N1	25-SEP-2008 13:27:47	Tw_i_and_stray	51.000	52	16Bet Cet	2.0370	4500.0	102	34361	No
105	GOM_NL__2PRFIN20080925_133806_000000382072_00239_34361_8764.N1	25-SEP-2008 13:38:06	Bright	37.500	90	54Alp Peg	2.4870	11000.	75	34361	No
106	GOM_NL__2PRFIN20080925_134149_000000392072_00239_34361_8765.N1	25-SEP-2008 13:41:49	Bright	38.500	93	53Bet Peg	2.5200	3100.0	77	34361	No
107	GOM_NL__2PRFIN20080925_135133_000000362072_00239_34361_8766.N1	25-SEP-2008 13:51:33	Bright	36.000	74	11Bet Cas	2.2680	6600.0	72	34361	No
108	GOM_NL__2PRFIN20080925_135303_000000412072_00239_34361_8767.N1	25-SEP-2008 13:53:03	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	34361	No
109	GOM_NL__2PRFIN20080925_141702_000000272072_00239_34361_8768.N1	25-SEP-2008 14:17:02	Tw_i_and_stray	27.000	24	66Alp Gem	1.5800	10200.	54	34361	No
110	GOM_NL__2PRFIN20080925_142656_000000622072_00239_34361_8769.N1	25-SEP-2008 14:26:56	Dark	61.500	8	10Alp CMi	0.40000	6500.0	123	34361	No
111	GOM_NL__2PRFIN20080925_143411_000000442072_00239_34361_8770.N1	25-SEP-2008 14:34:11	Dark	43.500	132	15Rho Pup	2.8030	6900.0	87	34361	No
112	GOM_NL__2PRFIN20080925_143731_000000462072_00239_34361_8771.N1	25-SEP-2008 14:37:31	Dark	45.500	88	31Eta CMa	2.4480	20000.	91	34361	No
113	GOM_NL__2PRFIN20080925_143900_000000482072_00239_34361_8772.N1	25-SEP-2008 14:39:00	Dark	47.500	23	21Eps CMa	1.5020	26000.	95	34361	No
114	GOM_NL__2PRFIN20080925_144310_000000412072_00240_34362_8781.N1	25-SEP-2008 14:43:10	Dark	40.500	161	Tau Pup	2.9310	4500.0	81	34362	No
115	GOM_NL__2PRFIN20080925_145546_000000432072_00240_34362_8782.N1	25-SEP-2008 14:55:46	Dark	42.500	9	Alp Eri	0.45300	24000.	85	34362	No
116	GOM_NL__2PRFIN20080925_150115_000000462072_00240_34362_8783.N1	25-SEP-2008 15:01:15	Straylight	45.500	84	Alp Phe	2.3970	4500.0	91	34362	No
117	GOM_NL__2PRFIN20080925_150823_000000502072_00240_34362_8784.N1	25-SEP-2008 15:08:23	Tw_i_and_stray	50.000	52	16Bet Cet	2.0370	4500.0	100	34362	No
118	GOM_NL__2PRFIN20080925_151843_000000372072_00240_34362_8785.N1	25-SEP-2008 15:18:43	Bright	37.000	90	54Alp Peg	2.4870	11000.	74	34362	No
119	GOM_NL__2PRFIN20080925_152225_000000382072_00240_34362_8786.N1	25-SEP-2008 15:22:25	Bright	38.000	93	53Bet Peg	2.5200	3100.0	76	34362	No
120	GOM_NL__2PRFIN20080925_153209_000000392072_00240_34362_8787.N1	25-SEP-2008 15:32:09	Bright	38.500	74	11Bet Cas	2.2680	6600.0	77	34362	No
121	GOM_NL__2PRFIN20080925_153339_000000402072_00240_34362_8788.N1	25-SEP-2008 15:33:39	Bright	40.000	76	27Gam Cas	2.3000	30000.	80	34362	No
122	GOM_NL__2PRFIN20080925_160733_000000622072_00240_34362_8789.N1	25-SEP-2008 16:07:33	Dark	62.000	8	10Alp CMi	0.40000	6500.0	124	34362	No
123	GOM_NL__2PRFIN20080925_161448_000000442072_00240_34362_8790.N1	25-SEP-2008 16:14:48	Dark	43.500	132	15Rho Pup	2.8030	6900.0	87	34362	No
124	GOM_NL__2PRFIN20080925_161808_000000472072_00240_34362_8791.N1	25-SEP-2008 16:18:08	Dark	46.500	88	31Eta CMa	2.4480	20000.	93	34362	No
125	GOM_NL__2PRFIN20080925_161937_000000502072_00240_34362_8792.N1	25-SEP-2008 16:19:37	Dark	49.500	23	21Eps CMa	1.5020	26000.	99	34362	No
126	GOM_NL__2PRFIN20080925_162346_000000422072_00241_34363_8796.N1	25-SEP-2008 16:23:46	Dark	42.000	161	Tau Pup	2.9310	4500.0	84	34363	No
127	GOM_NL__2PRFIN20080925_163622_000000412072_00241_34363_8797.N1	25-SEP-2008 16:36:22	Dark	40.500	9	Alp Eri	0.45300	24000.	81	34363	No
128	GOM_NL__2PRFIN20080925_164152_000000432072_00241_34363_8798.N1	25-SEP-2008 16:41:52	Straylight	43.000	84	Alp Phe	2.3970	4500.0	86	34363	No
129	GOM_NL__2PRFIN20080925_164900_000000492072_00241_34363_8799.N1	25-SEP-2008 16:49:00	Tw_i_and_stray	49.000	52	16Bet Cet	2.0370	4500.0	98	34363	No
130	GOM_NL__2PRFIN20080925_165919_000000362072_00241_34363_8800.N1	25-SEP-2008 16:59:19	Bright	36.000	90	54Alp Peg	2.4870	11000.	72	34363	No
131	GOM_NL__2PRFIN20080925_170301_000000392072_00241_34363_8801.N1	25-SEP-2008 17:03:01	Bright	38.500	93	53Bet Peg	2.5200	3100.0	77	34363	No
132	GOM_NL__2PRFIN20080925_171244_000000402072_00241_34363_8802.N1	25-SEP-2008 17:12:44	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	34363	No
133	GOM_NL__2PRFIN20080925_171414_000000402072_00241_34363_8803.N1	25-SEP-2008 17:14:14	Bright	40.000	76	27Gam Cas	2.3000	30000.	80	34363	No
134	GOM_NL__2PRFIN20080925_174810_000000652072_00241_34363_8804.N1	25-SEP-2008 17:48:10	Dark	65.000	8	10Alp CMi	0.40000	6500.0	130	34363	No
135	GOM_NL__2PRFIN20080925_175525_000000422072_00241_34363_8805.N1	25-SEP-2008 17:55:25	Dark	42.000	132	15Rho Pup	2.8030	6900.0	84	34363	No
136	GOM_NL__2PRFIN20080925_175844_000000462072_00241_34363_8806.N1	25-SEP-2008 17:58:44	Dark	46.000	88	31Eta CMa	2.4480	20000.	92	34363	No
137	GOM_NL__2PRFIN20080925_180015_000000542072_00241_34363_8807.N1	25-SEP-2008 18:00:15	Dark	54.000	23	21Eps CMa	1.5020	26000.	108	34363	No
138	GOM_NL__2PRFIN20080925_180423_000000412072_00242_34364_8811.N1	25-SEP-2008 18:04:23	Dark	40.500	161	Tau Pup	2.9310	4500.0	81	34364	No
139	GOM_NL__2PRFIN20080925_181659_000000492072_00242_34364_8812.N1	25-SEP-2008 18:16:59	Dark	49.000	9	Alp Eri	0.45300	24000.	98	34364	No
140	GOM_NL__2PRFIN20080925_182228_000000412072_00242_34364_8813.N1	25-SEP-2008 18:22:28	Straylight	40.500	84	Alp Phe	2.3970	4500.0	81	34364	No
141	GOM_NL__2PRFIN20080925_182936_000000492072_00242_34364_8814.N1	25-SEP-2008 18:29:36	Tw_i_and_stray	48.500	52	16Bet Cet	2.0370	4500.0	97	34364	No
142	GOM_NL__2PRFIN20080925_183955_000000372072_00242_34364_8815.N1	25-SEP-2008 18:39:55	Bright	36.500	90	54Alp Peg	2.4870	11000.	73	34364	No
143	GOM_NL__2PRFIN20080925_184337_000000482072_00242_34364_8816.N1	25-SEP-2008 18:43:37	Bright	47.500	93	53Bet Peg	2.5200	3100.0	95	34364	No
144	GOM_NL__2PRFIN20080925_185320_000000402072_00242_34364_8817.N1	25-SEP-2008 18:53:20	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	34364	No
145	GOM_NL__2PRFIN20080925_185450_000000412072_00242_34364_8818.N1	25-SEP-2008 18:54:50	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	34364	No
146	GOM_NL__2PRFIN20080925_192847_000000622072_00242_34364_8819.N1	25-SEP-2008 19:28:47	Dark	62.000	8	10Alp CMi	0.40000	6500.0	124	34364	No
147	GOM_NL__2PRFIN20080925_193601_000000422072_00242_34364_8820.N1	25-SEP-2008 19:36:01	Dark	41.500	132	15Rho Pup	2.8030	6900.0	83	34364	No
148	GOM_NL__2PRFIN20080925_193921_000000462072_00242_34364_8821.N1	25-SEP-2008 19:39:21	Dark	46.000	88	31Eta CMa	2.4480	20000.	92	34364	No
149	GOM_NL__2PRFIN20080925_194051_000000622072_00242_34364_8822.N1	25-SEP-2008 19:40:51	Dark	61.500	23	21Eps CMa	1.5020	26000.	123	34364	No
150	GOM_NL__2PRFIN20080925_194500_000000432072_00243_34365_8826.N1	25-SEP-2008 19:45:00	Dark	43.000	161	Tau Pup	2.9310	4500.0	86	34365	No
151	GOM_NL__2PRFIN20080925_195735_000000502072_00243_34365_8827.N1	25-SEP-2008 19:57:35	Dark	49.500	9	Alp Eri	0.45300	24000.	99	34365	No
152	GOM_NL__2PRFIN20080925_200304_000000402072_00243_34365_8828.N1	25-SEP-2008 20:03:04	Straylight	39.500	84	Alp Phe	2.3970	4500.0	79	34365	No
153	GOM_NL__2PRFIN20080925_201012_000000522072_00243_34365_8829.N1	25-SEP-2008 20:10:12	Tw_i_and_stray	52.000	52	16Bet Cet	2.0370	4500.0	104	34365	No
154	GOM_NL__2PRFIN20080925_202030_000000372072_00243_34365_8830.N1	25-SEP-2008 20:20:30	Bright	37.000	90	54Alp Peg	2.4870	11000.	74	34365	No
155	GOM_NL__2PRFIN20080925_202412_000000392072_00243_34365_8831.N1	25-SEP-2008 20:24:12	Bright	38.500	93	53Bet Peg	2.5200	3100.0	77	34365	No
156	GOM_NL__2PRFIN20080925_203356_000000572072_00243_34365_8832.N1	25-SEP-2008 20:33:56	Bright	57.000	74	11Bet Cas	2.2680	6600.0	114	34365	No
157	GOM_NL__2PRFIN20080925_203525_000000402072_00243_34365_8833.N1	25-SEP-2008 20:35:25	Bright	40.000	76	27Gam Cas	2.3000	30000.	80	34365	No
158	GOM_NL__2PRFIN20080925_210923_000000622072_00243_34365_8834.N1	25-SEP-2008 21:09:23	Dark	61.500	8	10Alp CMi	0.40000	6500.0	123	34365	No
159	GOM_NL__2PRFIN20080925_211638_000000432072_00243_34365_8835.N1	25-SEP-2008 21:16:38	Dark	42.500	132	15Rho Pup	2.8030	6900.0	85	34365	No
160	GOM_NL__2PRFIN20080925_211958_000000452072_00243_34365_8836.N1	25-SEP-2008 21:19:58	Dark	45.000	88	31Eta CMa	2.4480	20000.	90	34365	No

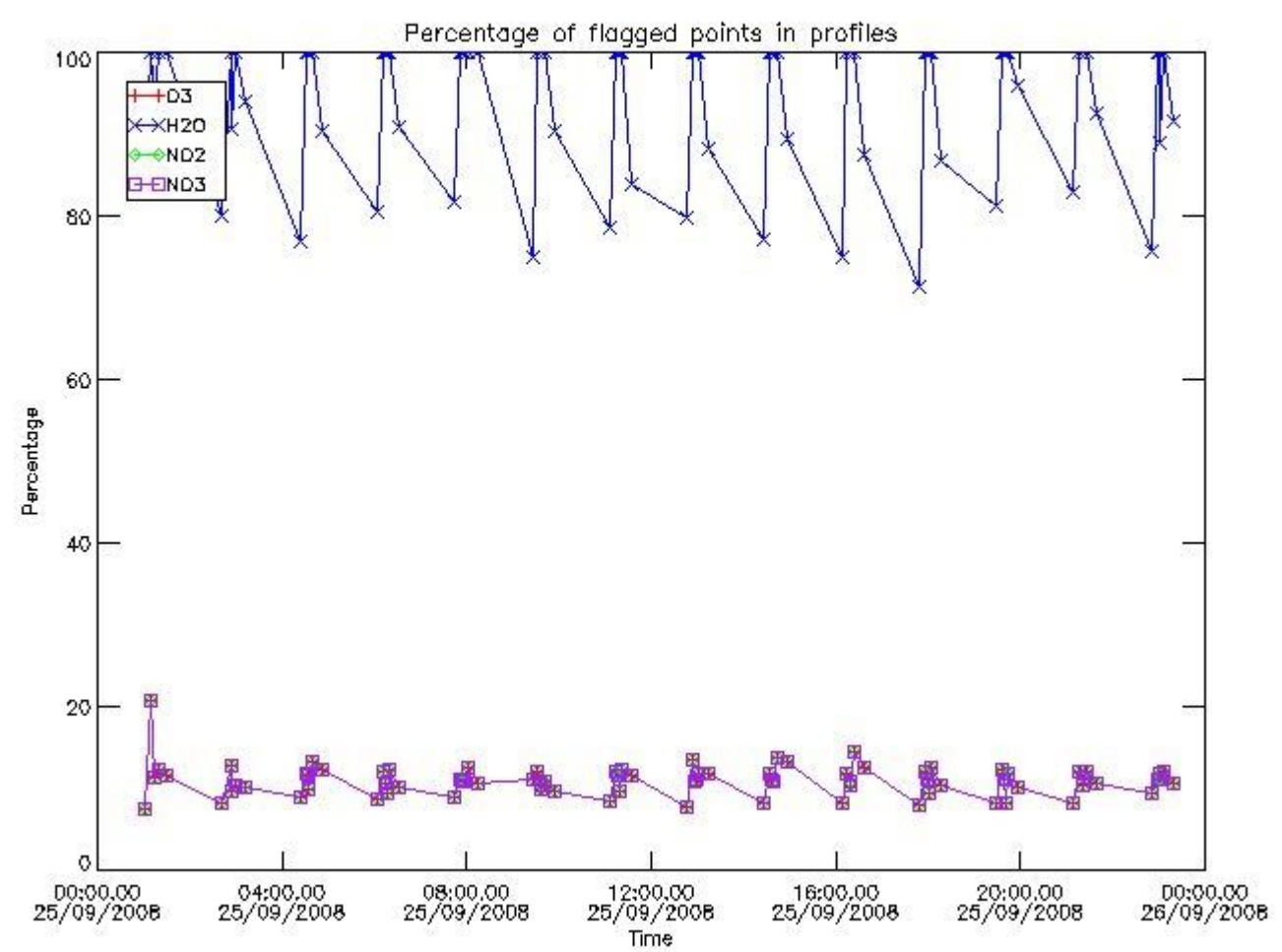


161	GOM_NL__2PRFIN20080925_212129_000000502072_00243_34365_8837.N1	25-SEP-2008 21:21:29	Dark	49.500	23	21Eps CMa	1.5020	26000.	99	34365	No
162	GOM_NL__2PRFIN20080925_212536_000000432072_00244_34366_8837.N1	25-SEP-2008 21:25:36	Dark	42.500	161	Tau Pup	2.9310	4500.0	85	34366	No
163	GOM_NL__2PRFIN20080925_213811_000000482072_00244_34366_8838.N1	25-SEP-2008 21:38:11	Dark	48.000	9	Alp Eri	0.45300	24000.	96	34366	No
164	GOM_NL__2PRFIN20080925_214340_000000452072_00244_34366_8839.N1	25-SEP-2008 21:43:40	Straylight	44.500	84	Alp Phe	2.3970	4500.0	89	34366	No
165	GOM_NL__2PRFIN20080925_215048_000000472072_00244_34366_8840.N1	25-SEP-2008 21:50:48	Tw_i_and_stray	47.000	52	16Bet Cet	2.0370	4500.0	94	34366	No
166	GOM_NL__2PRFIN20080925_220106_000000372072_00244_34366_8841.N1	25-SEP-2008 22:01:06	Bright	36.500	90	54Alp Peg	2.4870	11000.	73	34366	No
167	GOM_NL__2PRFIN20080925_220448_000000362072_00244_34366_8842.N1	25-SEP-2008 22:04:48	Bright	35.500	93	53Bet Peg	2.5200	3100.0	71	34366	No
168	GOM_NL__2PRFIN20080925_221431_000000392072_00244_34366_8843.N1	25-SEP-2008 22:14:31	Bright	39.000	74	11Bet Cas	2.2680	6600.0	78	34366	No
169	GOM_NL__2PRFIN20080925_221601_000000422072_00244_34366_8844.N1	25-SEP-2008 22:16:01	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	34366	No
170	GOM_NL__2PRFIN20080925_224124_000000522072_00244_34366_8845.N1	25-SEP-2008 22:41:24	Bright	51.500	17	78Bet Gem	1.1610	4500.0	103	34366	No
171	GOM_NL__2PRFIN20080925_225000_000000542072_00244_34366_8846.N1	25-SEP-2008 22:50:00	Dark	53.500	8	10Alp CMi	0.40000	6500.0	107	34366	No
172	GOM_NL__2PRFIN20080925_225714_000000462072_00244_34366_8847.N1	25-SEP-2008 22:57:14	Dark	46.000	132	15Rho Pup	2.8030	6900.0	92	34366	No
173	GOM_NL__2PRFIN20080925_230035_000000482072_00244_34366_8848.N1	25-SEP-2008 23:00:35	Dark	47.500	88	31Eta CMa	2.4480	20000.	95	34366	No
174	GOM_NL__2PRFIN20080925_230206_000000502072_00244_34366_8849.N1	25-SEP-2008 23:02:06	Dark	50.000	23	21Eps CMa	1.5020	26000.	100	34366	No
175	GOM_NL__2PRFIN20080925_230613_000000422072_00245_34367_8860.N1	25-SEP-2008 23:06:13	Dark	42.000	161	Tau Pup	2.9310	4500.0	84	34367	No
176	GOM_NL__2PRFIN20080925_231848_000000482072_00245_34367_8861.N1	25-SEP-2008 23:18:48	Dark	48.000	9	Alp Eri	0.45300	24000.	96	34367	No
177	GOM_NL__2PRFIN20080925_232416_000000432072_00245_34367_8862.N1	25-SEP-2008 23:24:16	Straylight	42.500	84	Alp Phe	2.3970	4500.0	85	34367	No
178	GOM_NL__2PRFIN20080925_233124_000000522072_00245_34367_8863.N1	25-SEP-2008 23:31:24	Tw_i_and_stray	52.000	52	16Bet Cet	2.0370	4500.0	104	34367	No
179	GOM_NL__2PRFIN20080925_234142_000000372072_00245_34367_8864.N1	25-SEP-2008 23:41:42	Bright	37.000	90	54Alp Peg	2.4870	11000.	74	34367	No
180	GOM_NL__2PRFIN20080925_234524_000000392072_00245_34367_8865.N1	25-SEP-2008 23:45:24	Bright	38.500	93	53Bet Peg	2.5200	3100.0	77	34367	No
181	GOM_NL__2PRFIN20080925_235507_000000392072_00245_34367_8866.N1	25-SEP-2008 23:55:07	Bright	39.000	74	11Bet Cas	2.2680	6600.0	78	34367	No
182	GOM_NL__2PRFIN20080925_235636_000000412072_00245_34367_8867.N1	25-SEP-2008 23:56:36	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	34367	No

### 3. Quality information per product

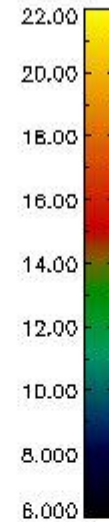
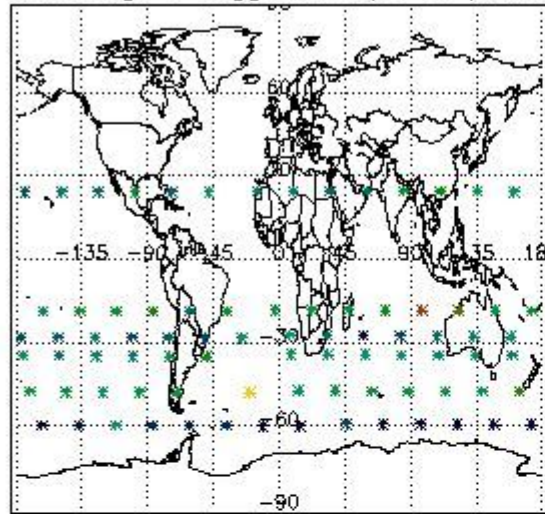
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

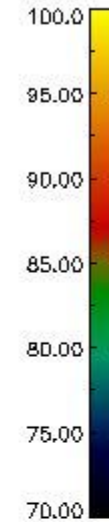
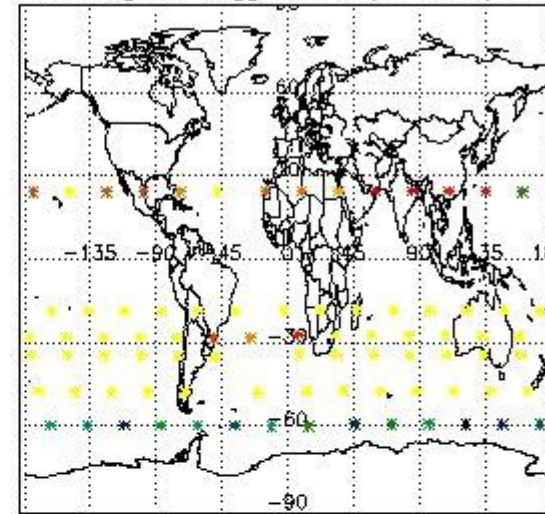


3.2 Plot quality information per product (world map)

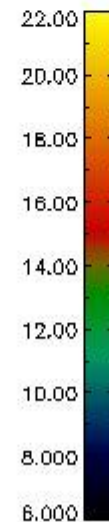
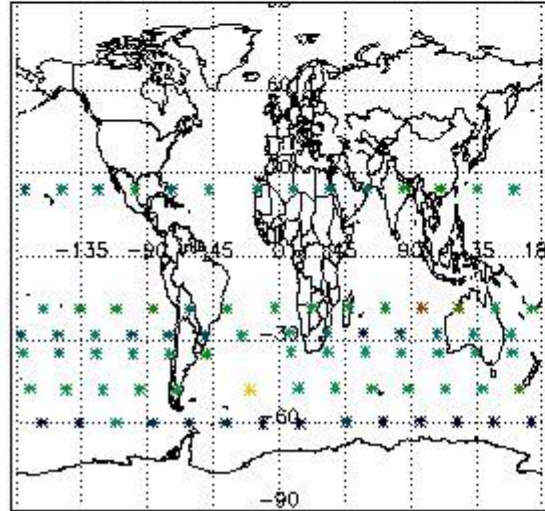
Percentage of flagged data per O3 profile



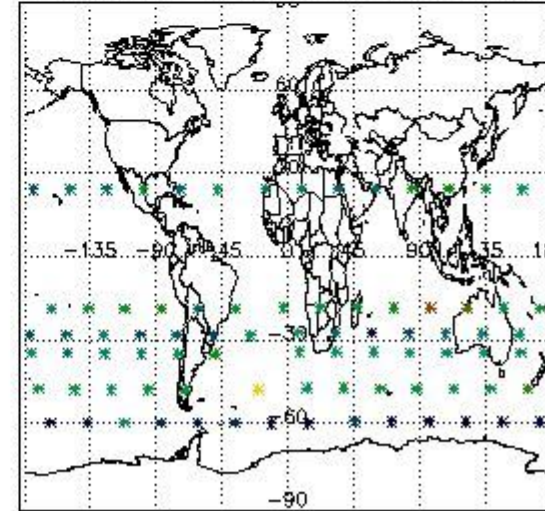
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

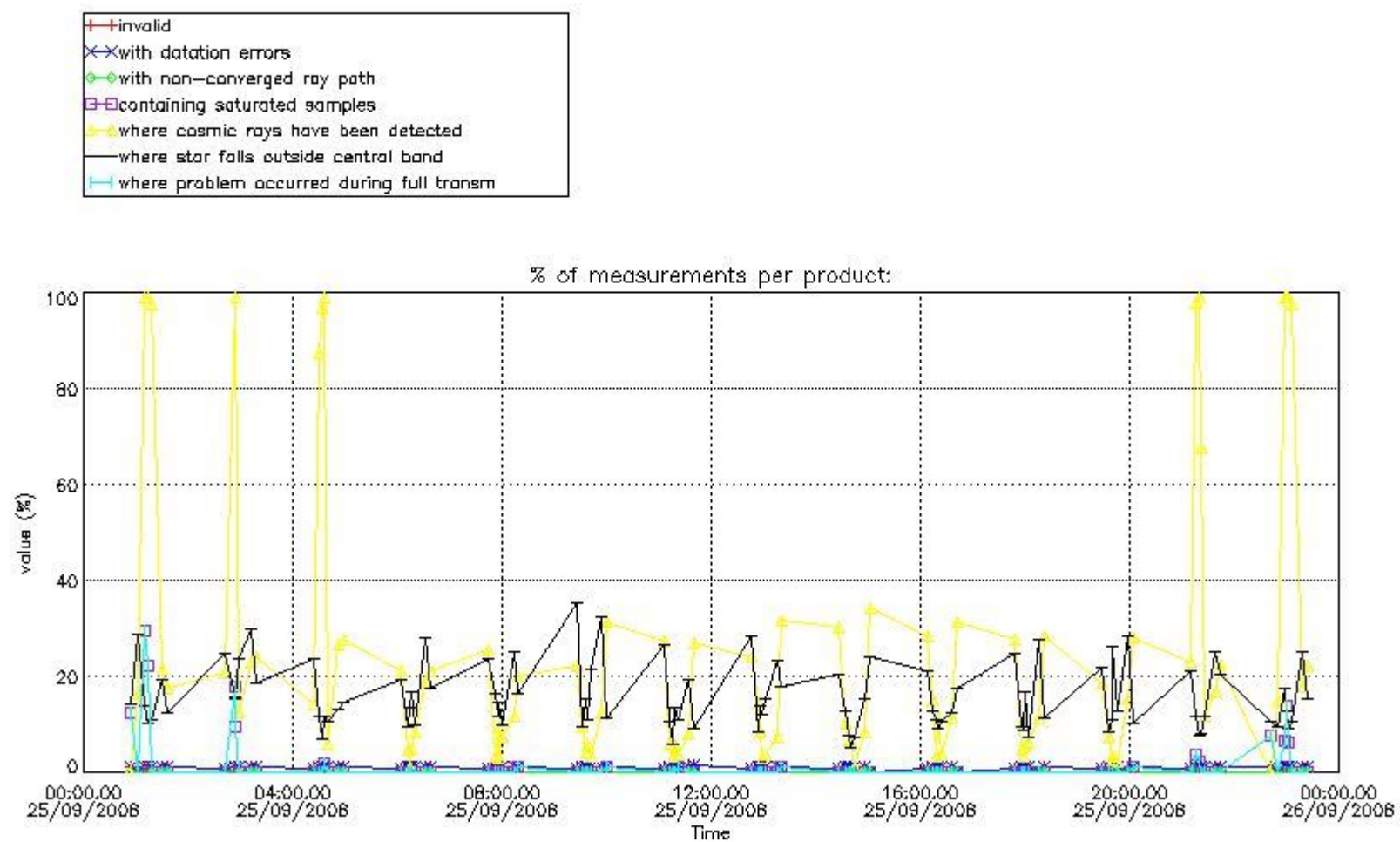


#### 4. Level 1 quality information per product

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.

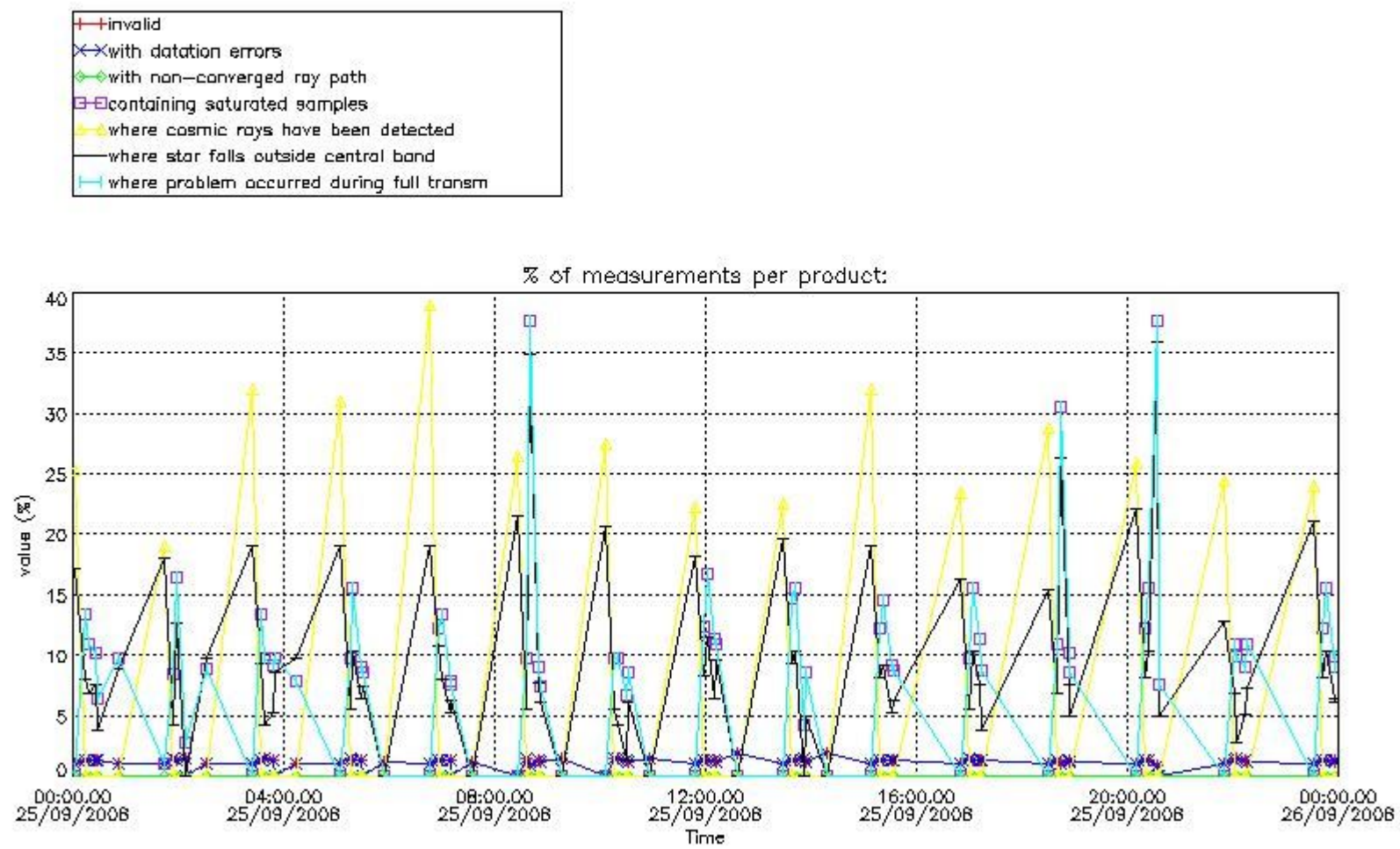
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

###### 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

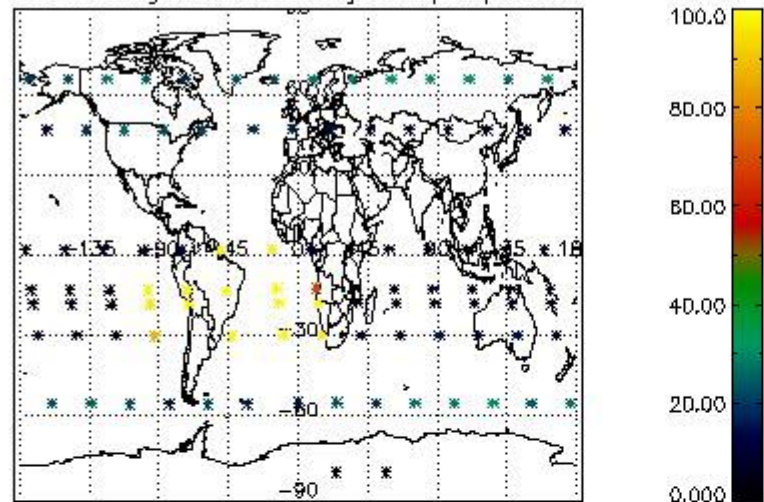




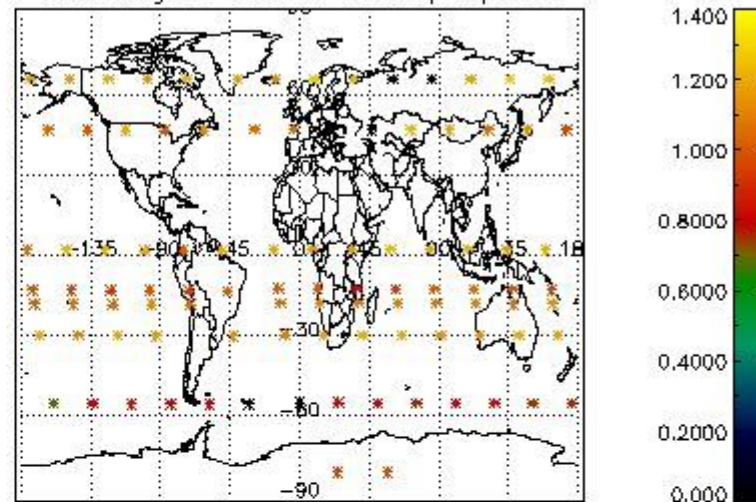
*4.2 Plot quality information per product coming from level 1b processing (world map)*

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

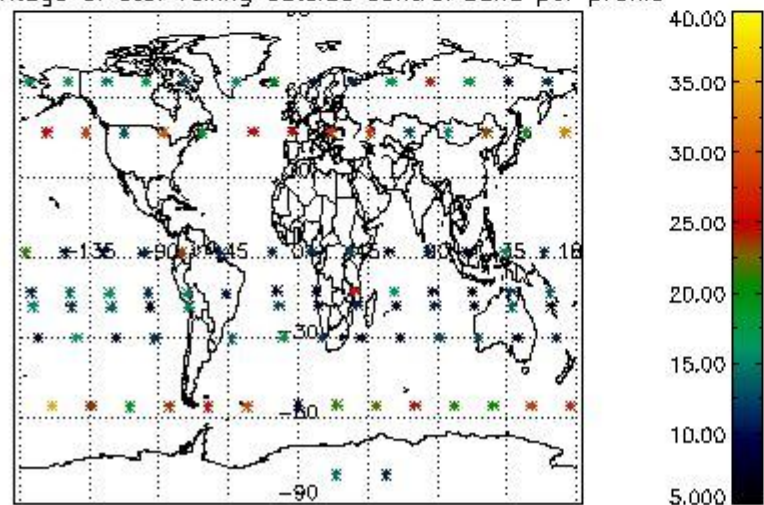
Percentage of cosmic ray hits per profile



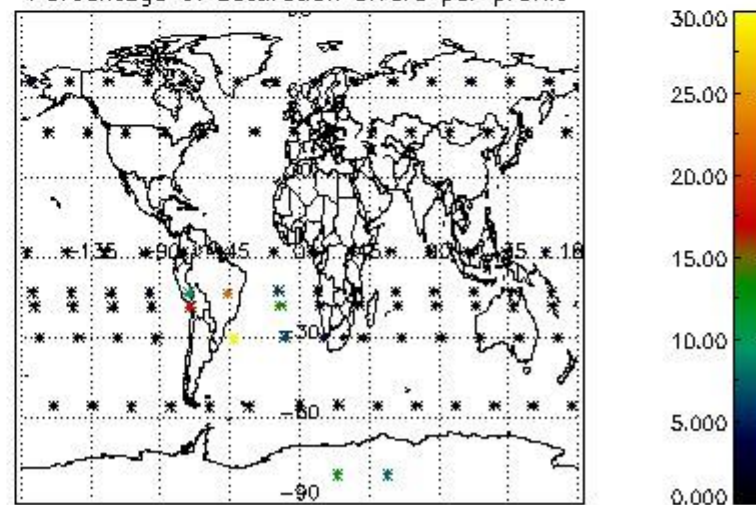
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

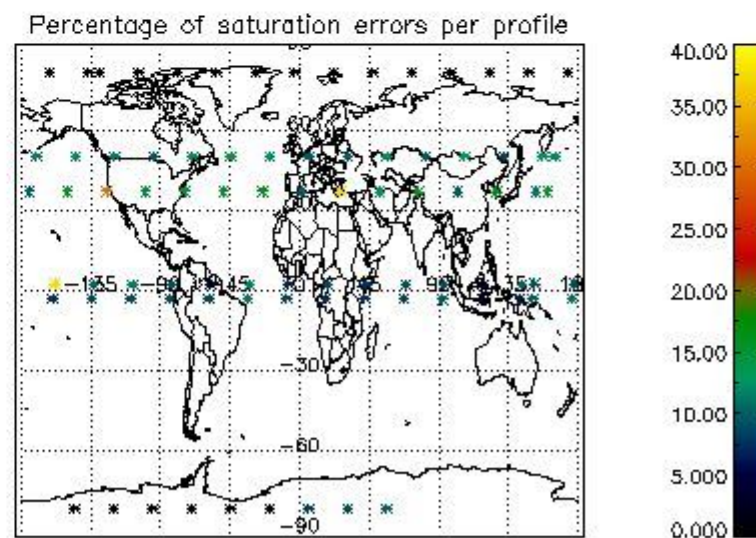
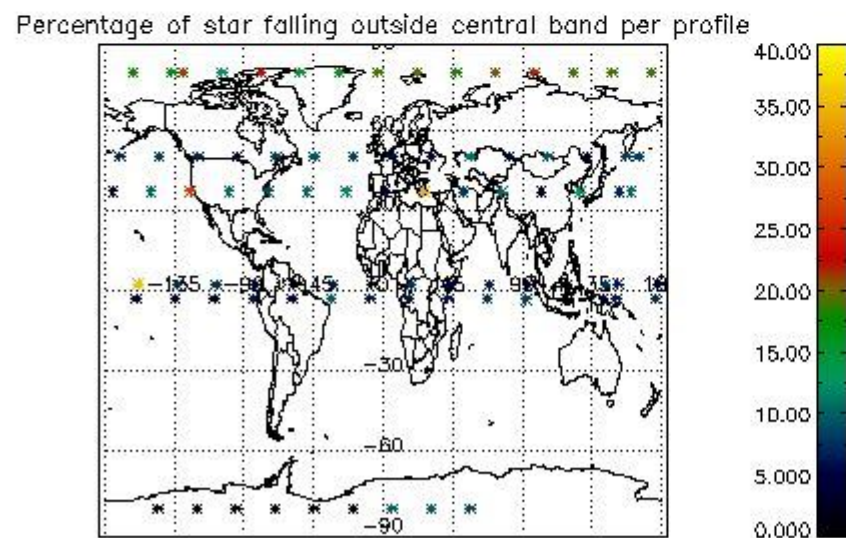
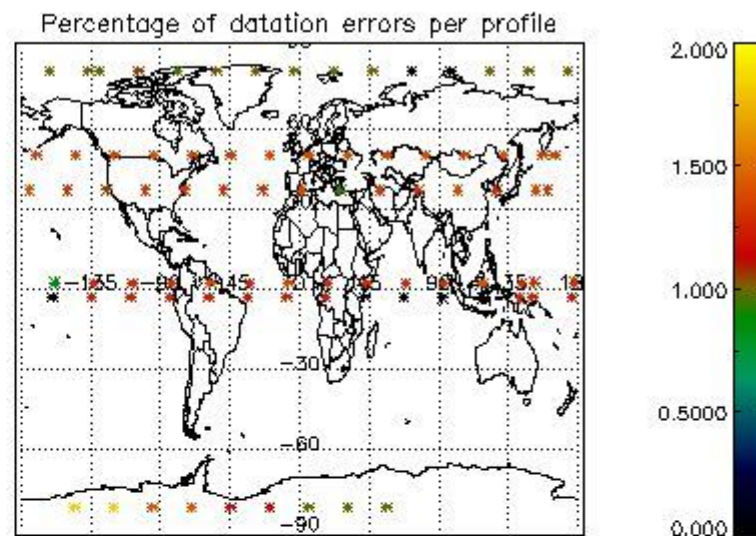
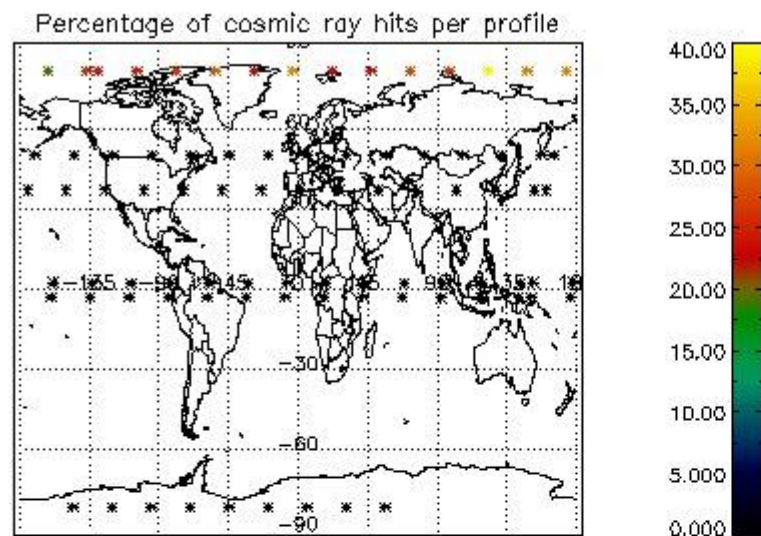


Percentage of saturation errors per profile



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

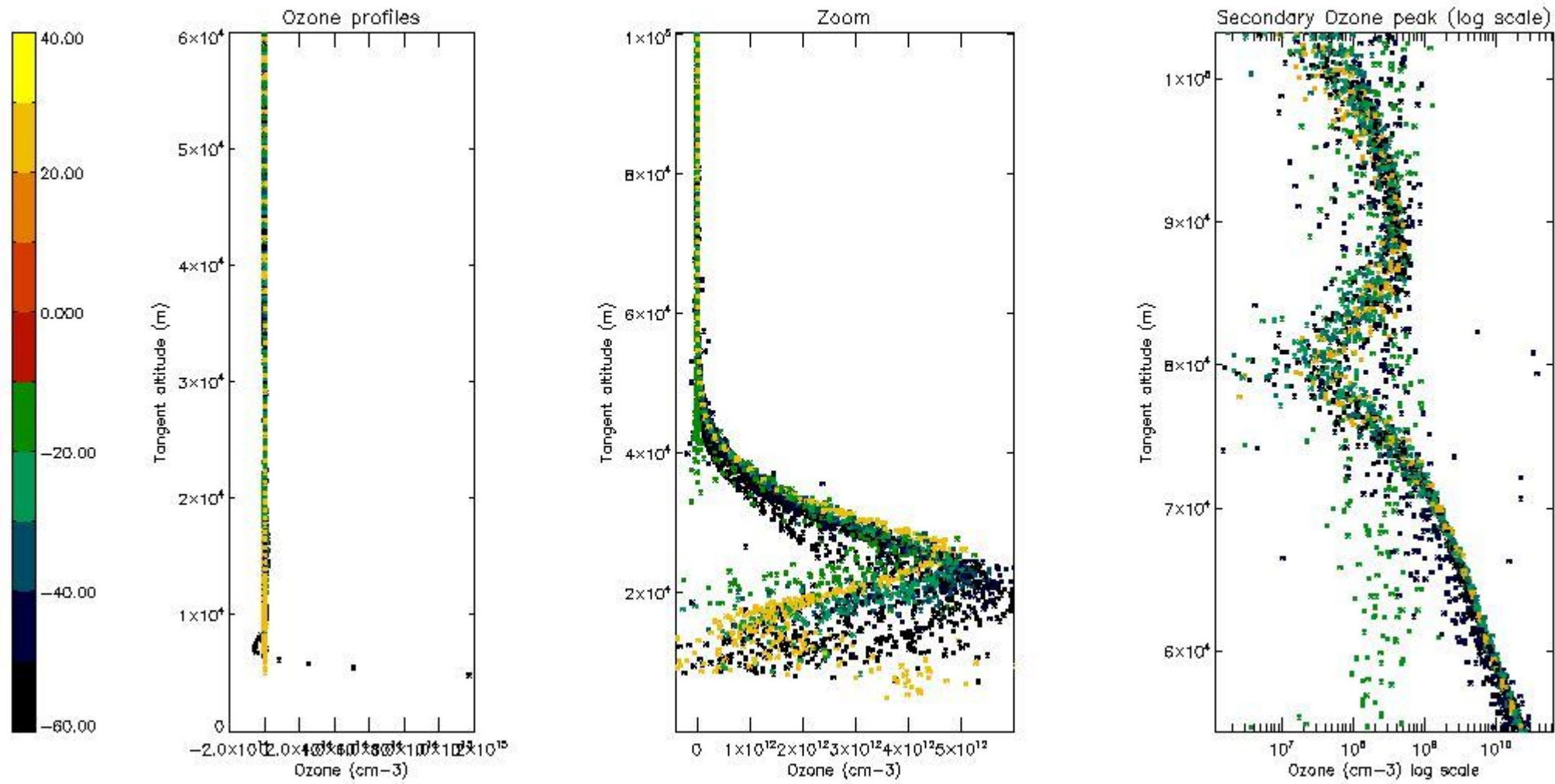
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	50
STD < 20	29

STD < 10	22
STD < 5	18

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

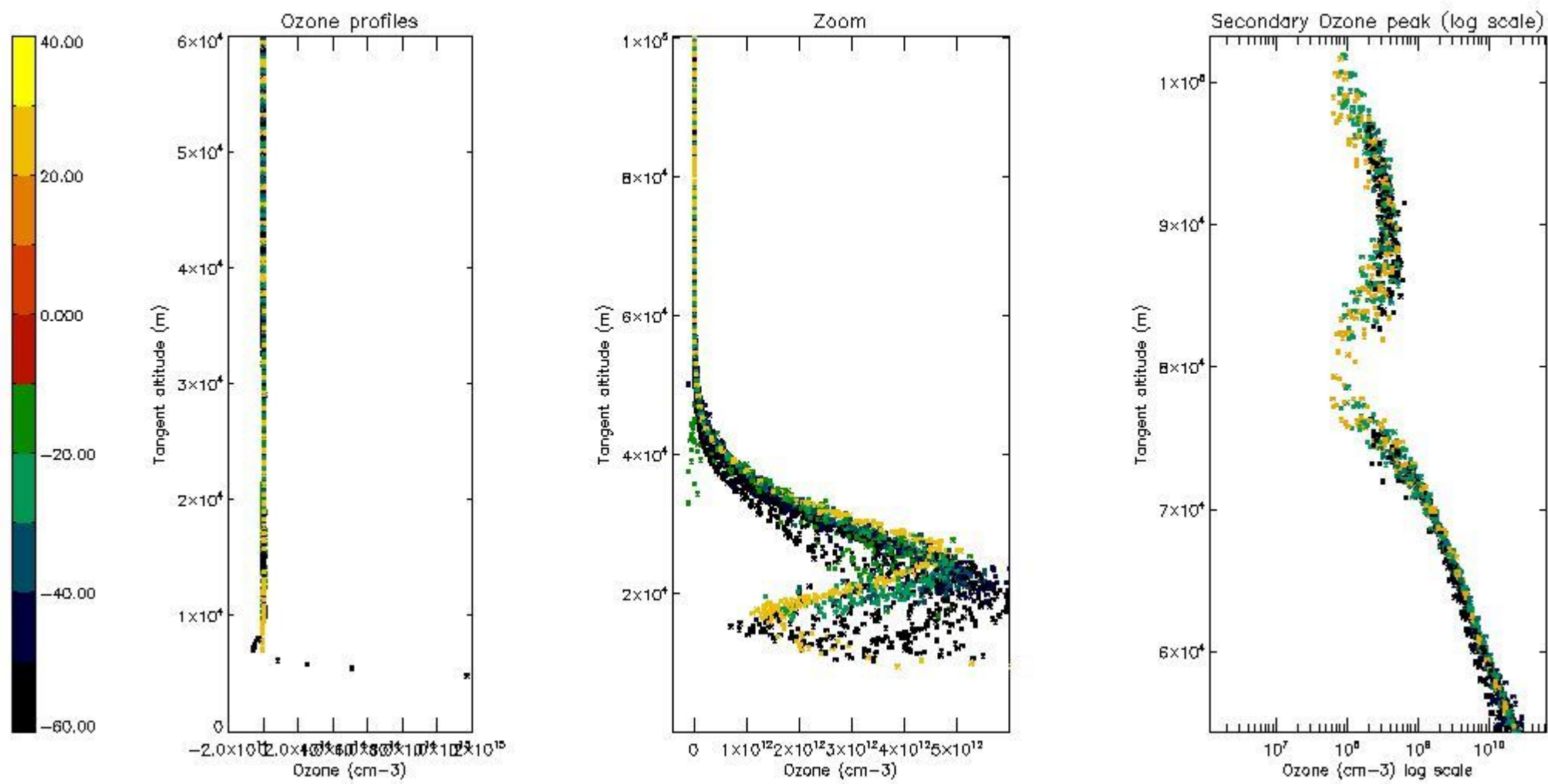
The colorbar represents the latitude.



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

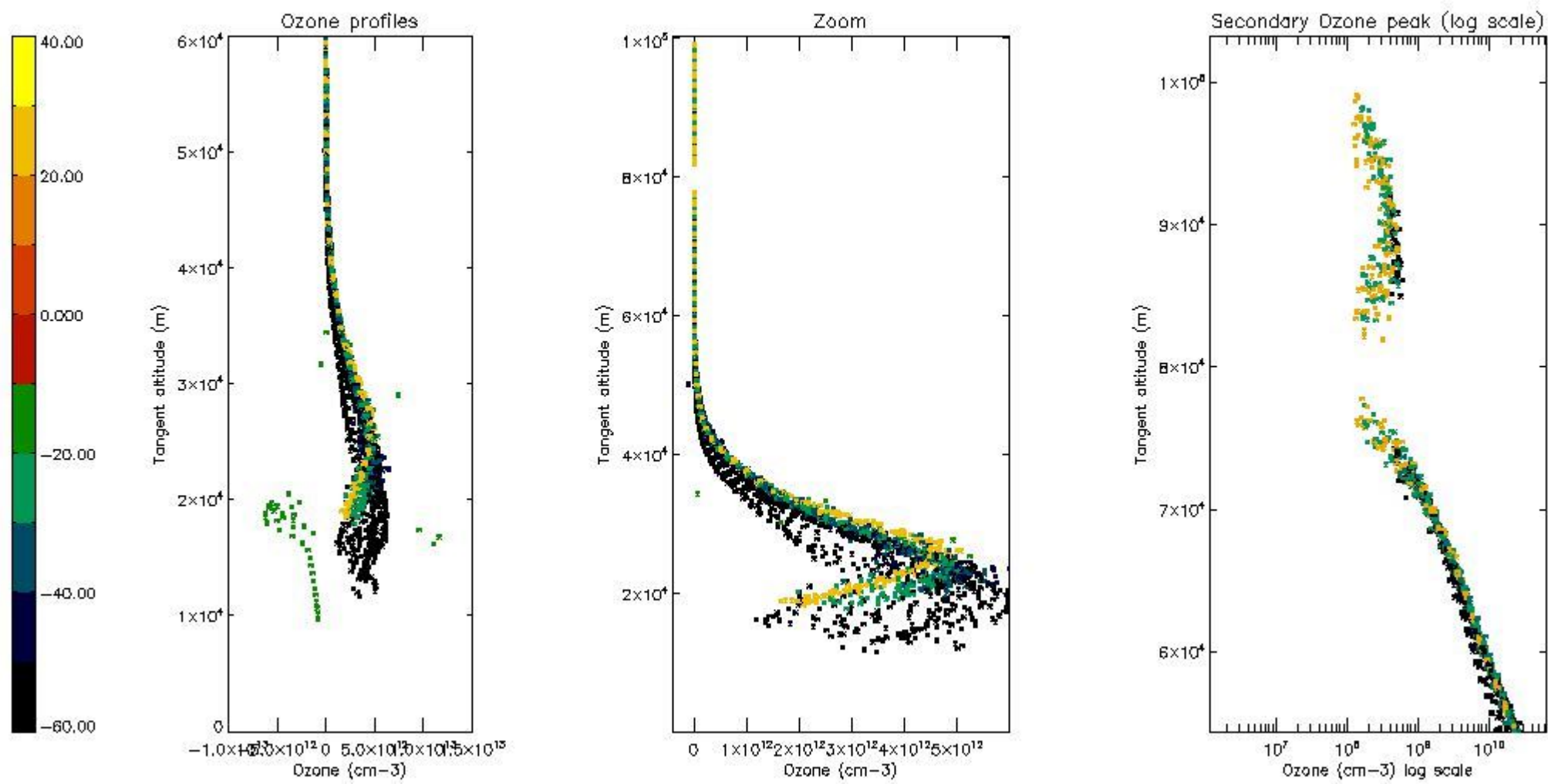
The colorbar represents the latitude.





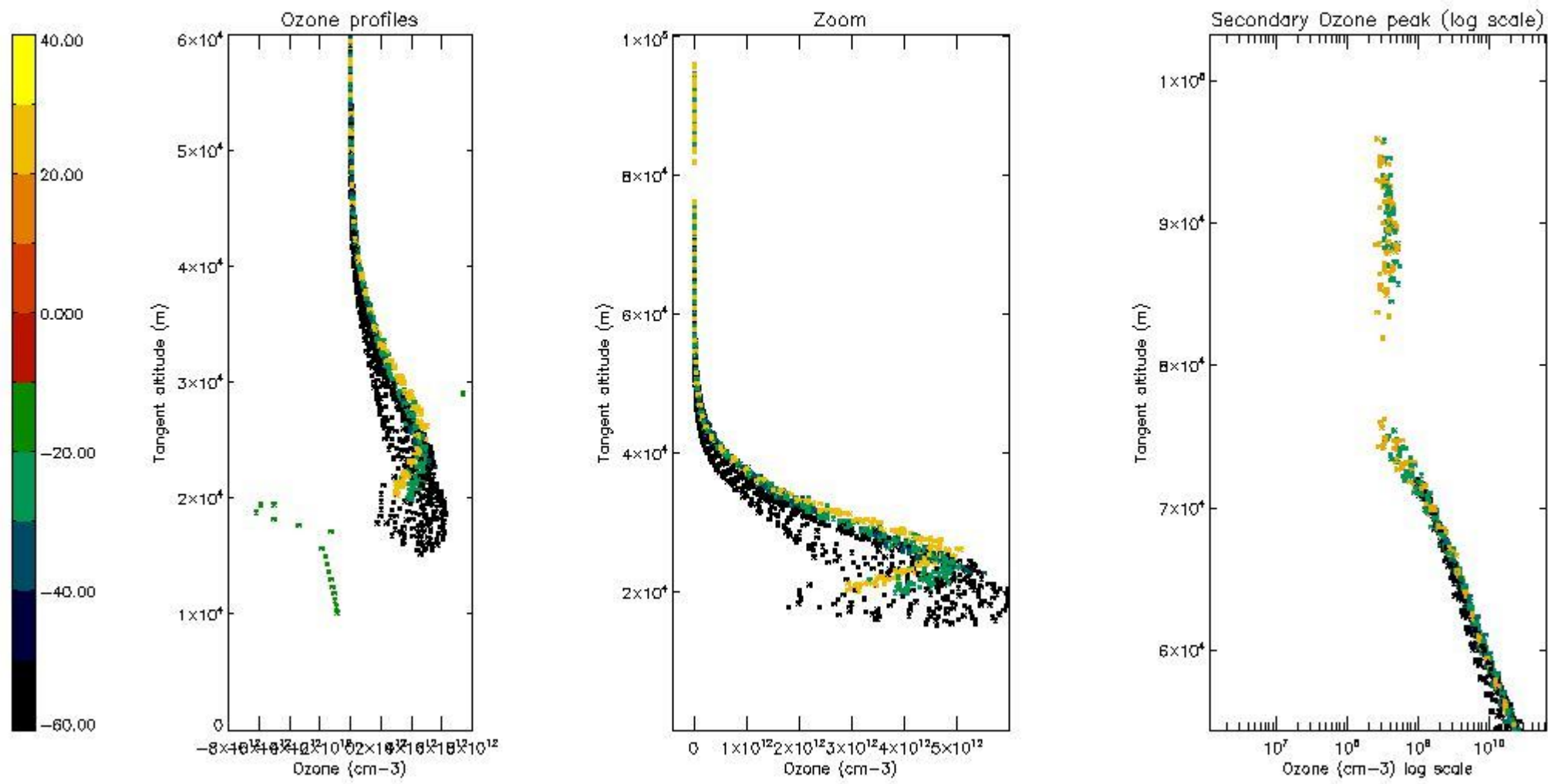
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



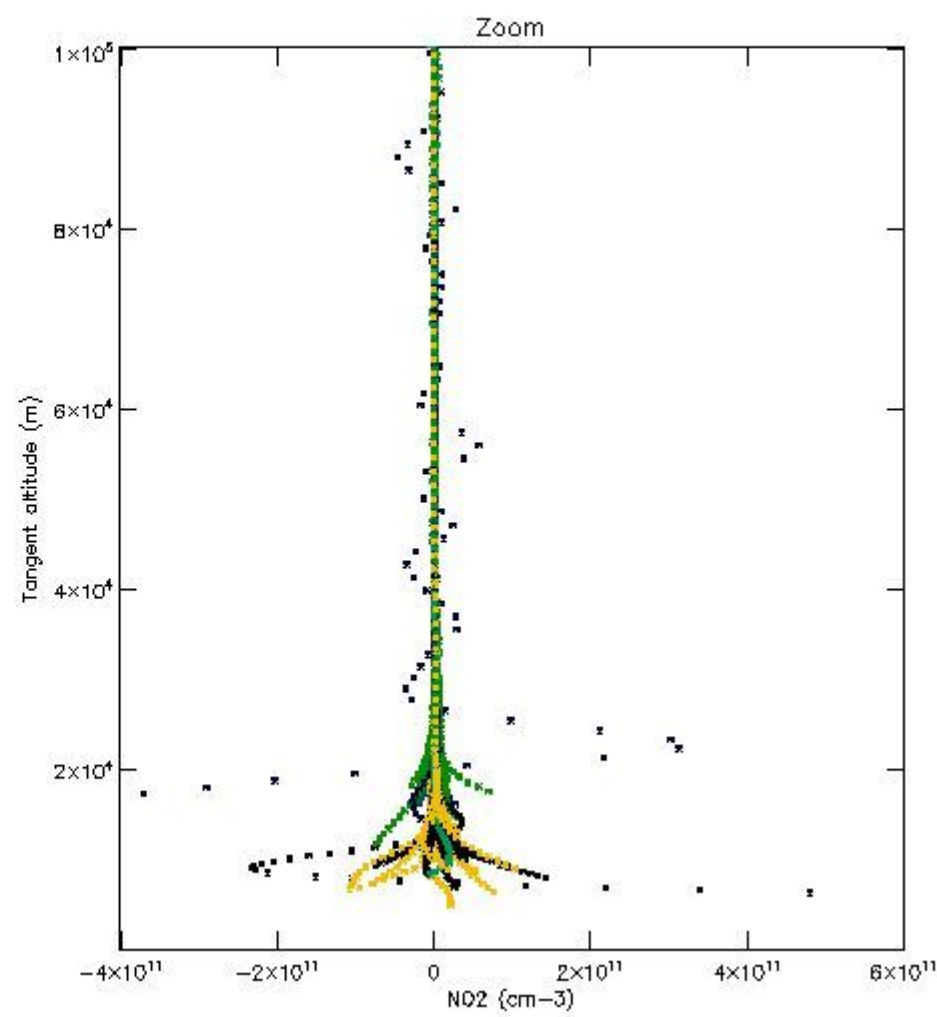
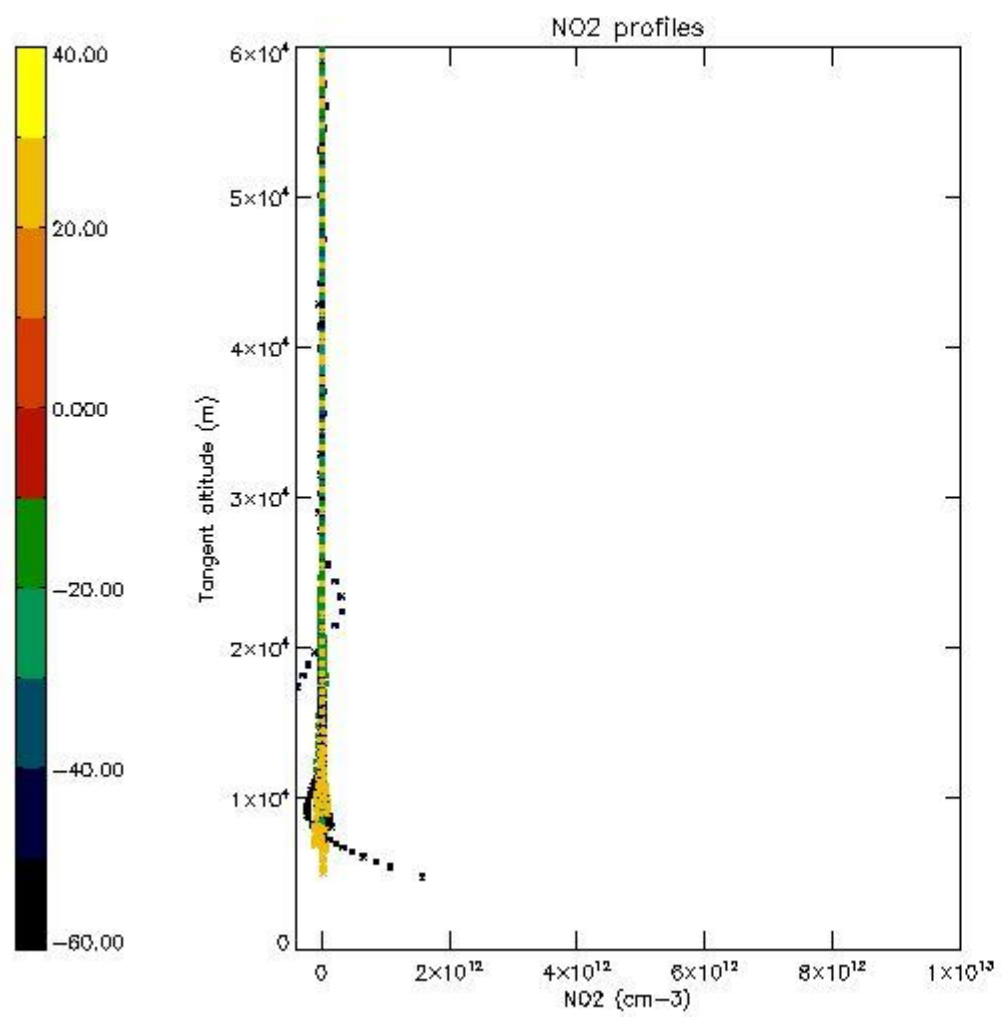
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



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

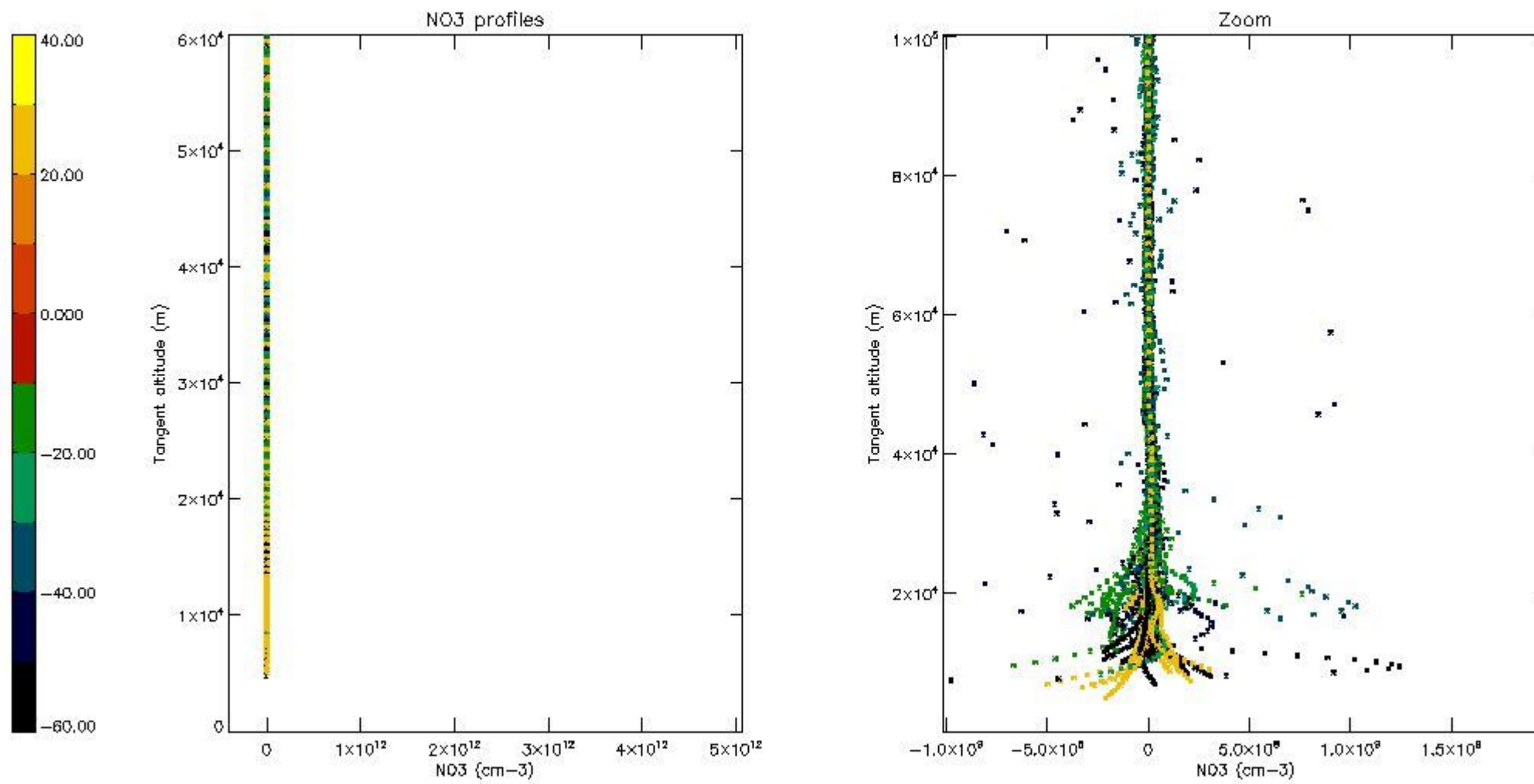
The colorbar represents the latitude.



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

The colorbar represents the latitude.





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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	25-SEP-2008 00:02:59
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	25-SEP-2008 00:02:59
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	25-SEP-2008 00:02:59

# GOMOS Level 2 Daily Report

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

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

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

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#### [5.4. Plot ozone profiles where STD < 10% \(dark without errors\)](#)

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#### [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	25APR2013 20:16:30
Data source version	GOMOS/6.01
Start time of products	25-09-2008 (25SEP2008 00:00:00)
Stop time of products	26-09-2008 (26SEP2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	182
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__2PRFIN20080925_000259_000000502072_00231_34353_8654.N1	25-SEP-2008 00:02:59	Twilight	49.500	52	16Bet Cet	2.0370	4500.0	99	34353	No
2	GOM_NL__2PRFIN20080925_001319_000000382072_00231_34353_8655.N1	25-SEP-2008 00:13:19	Bright	37.500	90	54Alp Peg	2.4870	11000.	75	34353	No
3	GOM_NL__2PRFIN20080925_001702_000000372072_00231_34353_8656.N1	25-SEP-2008 00:17:02	Bright	36.500	93	53Bet Peg	2.5200	3100.0	73	34353	No
4	GOM_NL__2PRFIN20080925_002648_000000402072_00231_34353_8657.N1	25-SEP-2008 00:26:48	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	34353	No
5	GOM_NL__2PRFIN20080925_002820_000000402072_00231_34353_8658.N1	25-SEP-2008 00:28:20	Bright	39.500	76	27Gam Cas	2.3000	30000.	79	34353	No
6	GOM_NL__2PRFIN20080925_005213_000000512072_00231_34353_8659.N1	25-SEP-2008 00:52:13	Bright	51.000	24	66Alp Gem	1.5800	10200.	102	34353	No
7	GOM_NL__2PRFIN20080925_005333_000000532072_00231_34353_8660.N1	25-SEP-2008 00:53:33	Bright	52.500	17	78Bet Gem	1.1610	4500.0	105	34353	No
8	GOM_NL__2PRFIN20080925_010202_000000682072_00231_34353_8661.N1	25-SEP-2008 01:02:02	Dark	67.500	8	10Alp CMi	0.40000	6500.0	135	34353	No
9	GOM_NL__2PRFIN20080925_010918_000000442072_00231_34353_8662.N1	25-SEP-2008 01:09:18	Dark	44.000	132	15Rho Pup	2.8030	6900.0	88	34353	No
10	GOM_NL__2PRFIN20080925_011404_000000502072_00231_34353_8663.N1	25-SEP-2008 01:14:04	Dark	49.500	23	21Eps CMa	1.5020	26000.	99	34353	No
11	GOM_NL__2PRFIN20080925_011817_000000422072_00232_34354_8664.N1	25-SEP-2008 01:18:17	Dark	41.500	161	Tau Pup	2.9310	4500.0	83	34354	No
12	GOM_NL__2PRFIN20080925_013055_000000452072_00232_34354_8665.N1	25-SEP-2008 01:30:55	Dark	44.500	9	Alp Eri	0.45300	24000.	89	34354	No
13	GOM_NL__2PRFIN20080925_013625_000000412072_00232_34354_8666.N1	25-SEP-2008 01:36:25	Straylight	40.500	84	Alp Phe	2.3970	4500.0	81	34354	No
14	GOM_NL__2PRFIN20080925_014335_000000502072_00232_34354_8667.N1	25-SEP-2008 01:43:35	Twilight	50.000	52	16Bet Cet	2.0370	4500.0	100	34354	No
15	GOM_NL__2PRFIN20080925_015355_000000362072_00232_34354_8668.N1	25-SEP-2008 01:53:55	Bright	35.500	90	54Alp Peg	2.4870	11000.	71	34354	No
16	GOM_NL__2PRFIN20080925_015738_000000402072_00232_34354_8669.N1	25-SEP-2008 01:57:38	Bright	39.500	93	53Bet Peg	2.5200	3100.0	79	34354	No
17	GOM_NL__2PRFIN20080925_020724_000000362072_00232_34354_8670.N1	25-SEP-2008 02:07:24	Bright	35.500	74	11Bet Cas	2.2680	6600.0	71	34354	No
18	GOM_NL__2PRFIN20080925_020855_000000372072_00232_34354_8671.N1	25-SEP-2008 02:08:55	Bright	37.000	76	27Gam Cas	2.3000	30000.	74	34354	No
19	GOM_NL__2PRFIN20080925_023249_000000512072_00232_34354_8672.N1	25-SEP-2008 02:32:49	Bright	51.000	24	66Alp Gem	1.5800	10200.	102	34354	No
20	GOM_NL__2PRFIN20080925_024239_000000632072_00232_34354_8673.N1	25-SEP-2008 02:42:39	Dark	63.000	8	10Alp CMi	0.40000	6500.0	126	34354	No
21	GOM_NL__2PRFIN20080925_025313_000000482072_00232_34354_8674.N1	25-SEP-2008 02:53:13	Dark	48.000	88	31Eta CMa	2.4480	20000.	96	34354	No
22	GOM_NL__2PRFIN20080925_025441_000000532072_00232_34354_8675.N1	25-SEP-2008 02:54:41	Dark	53.000	23	21Eps CMa	1.5020	26000.	106	34354	No
23	GOM_NL__2PRFIN20080925_025853_000000492072_00233_34355_8678.N1	25-SEP-2008 02:58:53	Dark	49.000	161	Tau Pup	2.9310	4500.0	98	34355	No
24	GOM_NL__2PRFIN20080925_031131_000000512072_00233_34355_8679.N1	25-SEP-2008 03:11:31	Dark	50.500	9	Alp Eri	0.45300	24000.	101	34355	No
25	GOM_NL__2PRFIN20080925_031701_000000442072_00233_34355_8680.N1	25-SEP-2008 03:17:01	Straylight	43.500	84	Alp Phe	2.3970	4500.0	87	34355	No
26	GOM_NL__2PRFIN20080925_032411_000000502072_00233_34355_8681.N1	25-SEP-2008 03:24:11	Twilight	50.000	52	16Bet Cet	2.0370	4500.0	100	34355	No
27	GOM_NL__2PRFIN20080925_033431_000000382072_00233_34355_8682.N1	25-SEP-2008 03:34:31	Bright	37.500	90	54Alp Peg	2.4870	11000.	75	34355	No
28	GOM_NL__2PRFIN20080925_033814_000000362072_00233_34355_8683.N1	25-SEP-2008 03:38:14	Bright	36.000	93	53Bet Peg	2.5200	3100.0	72	34355	No
29	GOM_NL__2PRFIN20080925_034759_000000392072_00233_34355_8684.N1	25-SEP-2008 03:47:59	Bright	38.500	74	11Bet Cas	2.2680	6600.0	77	34355	No
30	GOM_NL__2PRFIN20080925_034930_000000412072_00233_34355_8685.N1	25-SEP-2008 03:49:30	Bright	41.000	76	27Gam Cas	2.3000	30000.	82	34355	No
31	GOM_NL__2PRFIN20080925_041325_000000512072_00233_34355_8686.N1	25-SEP-2008 04:13:25	Bright	51.000	24	66Alp Gem	1.5800	10200.	102	34355	No
32	GOM_NL__2PRFIN20080925_042316_000000632072_00233_34355_8687.N1	25-SEP-2008 04:23:16	Dark	63.000	8	10Alp CMi	0.40000	6500.0	126	34355	No
33	GOM_NL__2PRFIN20080925_043032_000000432072_00233_34355_8688.N1	25-SEP-2008 04:30:32	Dark	43.000	132	15Rho Pup	2.8030	6900.0	86	34355	No
34	GOM_NL__2PRFIN20080925_043349_000000452072_00233_34355_8689.N1	25-SEP-2008 04:33:49	Dark	44.500	88	31Eta CMa	2.4480	20000.	89	34355	No
35	GOM_NL__2PRFIN20080925_043518_000000512072_00233_34355_8690.N1	25-SEP-2008 04:35:18	Dark	51.000	23	21Eps CMa	1.5020	26000.	102	34355	No
36	GOM_NL__2PRFIN20080925_043930_000000422072_00234_34356_8689.N1	25-SEP-2008 04:39:30	Dark	42.000	161	Tau Pup	2.9310	4500.0	84	34356	No
37	GOM_NL__2PRFIN20080925_045208_000000422072_00234_34356_8690.N1	25-SEP-2008 04:52:08	Dark	41.500	9	Alp Eri	0.45300	24000.	83	34356	No
38	GOM_NL__2PRFIN20080925_045738_000000422072_00234_34356_8691.N1	25-SEP-2008 04:57:38	Straylight	41.500	84	Alp Phe	2.3970	4500.0	83	34356	No
39	GOM_NL__2PRFIN20080925_050447_000000502072_00234_34356_8692.N1	25-SEP-2008 05:04:47	Twilight	50.000	52	16Bet Cet	2.0370	4500.0	100	34356	No
40	GOM_NL__2PRFIN20080925_051507_000000362072_00234_34356_8693.N1	25-SEP-2008 05:15:07	Bright	36.000	90	54Alp Peg	2.4870	11000.	72	34356	No
41	GOM_NL__2PRFIN20080925_051850_000000392072_00234_34356_8694.N1	25-SEP-2008 05:18:50	Bright	38.500	93	53Bet Peg	2.5200	3100.0	77	34356	No
42	GOM_NL__2PRFIN20080925_052835_000000392072_00234_34356_8695.N1	25-SEP-2008 05:28:35	Bright	39.000	74	11Bet Cas	2.2680	6600.0	78	34356	No

43	GOM_NL__2PRFIN20080925_053006_000000412072_00234_34356_8696.N1	25-SEP-2008 05:30:06	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	34356	No
44	GOM_NL__2PRFIN20080925_055401_000000432072_00234_34356_8697.N1	25-SEP-2008 05:54:01	Bright	43.000	24	66Alp Gem	1.5800	10200.	86	34356	No
45	GOM_NL__2PRFIN20080925_060353_000000602072_00234_34356_8698.N1	25-SEP-2008 06:03:53	Dark	59.500	8	10Alp CMi	0.40000	6500.0	119	34356	No
46	GOM_NL__2PRFIN20080925_061108_000000422072_00234_34356_8699.N1	25-SEP-2008 06:11:08	Dark	42.000	132	15Rho Pup	2.8030	6900.0	84	34356	No
47	GOM_NL__2PRFIN20080925_061426_000000482072_00234_34356_8700.N1	25-SEP-2008 06:14:26	Dark	48.000	88	31Eta CMa	2.4480	20000.	96	34356	No
48	GOM_NL__2PRFIN20080925_061555_000000542072_00234_34356_8701.N1	25-SEP-2008 06:15:55	Dark	54.000	23	21Eps CMa	1.5020	26000.	108	34356	No
49	GOM_NL__2PRFIN20080925_062007_000000422072_00235_34357_8710.N1	25-SEP-2008 06:20:07	Dark	41.500	161	Tau Pup	2.9310	4500.0	83	34357	No
50	GOM_NL__2PRFIN20080925_063244_000000502072_00235_34357_8711.N1	25-SEP-2008 06:32:44	Dark	50.000	9	Alp Eri	0.45300	24000.	100	34357	No
51	GOM_NL__2PRFIN20080925_063814_000000432072_00235_34357_8712.N1	25-SEP-2008 06:38:14	Straylight	43.000	84	Alp Phe	2.3970	4500.0	86	34357	No
52	GOM_NL__2PRFIN20080925_064523_000000502072_00235_34357_8713.N1	25-SEP-2008 06:45:23	Tw_i_and_stray	50.000	52	16Bet Cet	2.0370	4500.0	100	34357	No
53	GOM_NL__2PRFIN20080925_065543_000000372072_00235_34357_8714.N1	25-SEP-2008 06:55:43	Bright	37.000	90	54Alp Peg	2.4870	11000.	74	34357	No
54	GOM_NL__2PRFIN20080925_065926_000000382072_00235_34357_8715.N1	25-SEP-2008 06:59:26	Bright	37.500	93	53Bet Peg	2.5200	3100.0	75	34357	No
55	GOM_NL__2PRFIN20080925_070911_000000392072_00235_34357_8716.N1	25-SEP-2008 07:09:11	Bright	38.500	74	11Bet Cas	2.2680	6600.0	77	34357	No
56	GOM_NL__2PRFIN20080925_071042_000000402072_00235_34357_8717.N1	25-SEP-2008 07:10:42	Bright	40.000	76	27Gam Cas	2.3000	30000.	80	34357	No
57	GOM_NL__2PRFIN20080925_073437_000000432072_00235_34357_8718.N1	25-SEP-2008 07:34:37	Bright	43.000	24	66Alp Gem	1.5800	10200.	86	34357	No
58	GOM_NL__2PRFIN20080925_074429_000000632072_00235_34357_8719.N1	25-SEP-2008 07:44:29	Dark	63.000	8	10Alp CMi	0.40000	6500.0	126	34357	No
59	GOM_NL__2PRFIN20080925_075145_000000462072_00235_34357_8720.N1	25-SEP-2008 07:51:45	Dark	45.500	132	15Rho Pup	2.8030	6900.0	91	34357	No
60	GOM_NL__2PRFIN20080925_075503_000000472072_00235_34357_8721.N1	25-SEP-2008 07:55:03	Dark	47.000	88	31Eta CMa	2.4480	20000.	94	34357	No
61	GOM_NL__2PRFIN20080925_075632_000000522072_00235_34357_8722.N1	25-SEP-2008 07:56:32	Dark	52.000	23	21Eps CMa	1.5020	26000.	104	34357	No
62	GOM_NL__2PRFIN20080925_080043_000000412072_00236_34358_8724.N1	25-SEP-2008 08:00:43	Dark	41.000	161	Tau Pup	2.9310	4500.0	82	34358	No
63	GOM_NL__2PRFIN20080925_081321_000000482072_00236_34358_8725.N1	25-SEP-2008 08:13:21	Dark	48.000	9	Alp Eri	0.45300	24000.	96	34358	No
64	GOM_NL__2PRFIN20080925_081850_000000432072_00236_34358_8726.N1	25-SEP-2008 08:18:50	Straylight	42.500	84	Alp Phe	2.3970	4500.0	85	34358	No
65	GOM_NL__2PRFIN20080925_082559_000000512072_00236_34358_8727.N1	25-SEP-2008 08:25:59	Tw_i_and_stray	51.000	52	16Bet Cet	2.0370	4500.0	102	34358	No
66	GOM_NL__2PRFIN20080925_083619_000000362072_00236_34358_8728.N1	25-SEP-2008 08:36:19	Bright	36.000	90	54Alp Peg	2.4870	11000.	72	34358	No
67	GOM_NL__2PRFIN20080925_084001_000000532072_00236_34358_8729.N1	25-SEP-2008 08:40:01	Bright	53.000	93	53Bet Peg	2.5200	3100.0	106	34358	No
68	GOM_NL__2PRFIN20080925_084946_000000392072_00236_34358_8730.N1	25-SEP-2008 08:49:46	Bright	39.000	74	11Bet Cas	2.2680	6600.0	78	34358	No
69	GOM_NL__2PRFIN20080925_085117_000000412072_00236_34358_8731.N1	25-SEP-2008 08:51:17	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	34358	No
70	GOM_NL__2PRFIN20080925_091513_000000352072_00236_34358_8732.N1	25-SEP-2008 09:15:13	Bright	35.000	24	66Alp Gem	1.5800	10200.	70	34358	No
71	GOM_NL__2PRFIN20080925_092506_000000742072_00236_34358_8733.N1	25-SEP-2008 09:25:06	Dark	74.000	8	10Alp CMi	0.40000	6500.0	148	34358	No
72	GOM_NL__2PRFIN20080925_093222_000000422072_00236_34358_8734.N1	25-SEP-2008 09:32:22	Dark	42.000	132	15Rho Pup	2.8030	6900.0	84	34358	No
73	GOM_NL__2PRFIN20080925_093540_000000492072_00236_34358_8735.N1	25-SEP-2008 09:35:40	Dark	49.000	88	31Eta CMa	2.4480	20000.	98	34358	No
74	GOM_NL__2PRFIN20080925_093709_000000512072_00236_34358_8736.N1	25-SEP-2008 09:37:09	Dark	51.000	23	21Eps CMa	1.5020	26000.	102	34358	No
75	GOM_NL__2PRFIN20080925_094120_000000472072_00237_34359_8736.N1	25-SEP-2008 09:41:20	Dark	47.000	161	Tau Pup	2.9310	4500.0	94	34359	No
76	GOM_NL__2PRFIN20080925_095357_000000532072_00237_34359_8737.N1	25-SEP-2008 09:53:57	Dark	52.500	9	Alp Eri	0.45300	24000.	105	34359	No
77	GOM_NL__2PRFIN20080925_095927_000000402072_00237_34359_8738.N1	25-SEP-2008 09:59:27	Straylight	40.000	84	Alp Phe	2.3970	4500.0	80	34359	No
78	GOM_NL__2PRFIN20080925_100635_000000512072_00237_34359_8739.N1	25-SEP-2008 10:06:35	Tw_i_and_stray	51.000	52	16Bet Cet	2.0370	4500.0	102	34359	No
79	GOM_NL__2PRFIN20080925_101655_000000362072_00237_34359_8740.N1	25-SEP-2008 10:16:55	Bright	36.000	90	54Alp Peg	2.4870	11000.	72	34359	No
80	GOM_NL__2PRFIN20080925_102037_000000362072_00237_34359_8741.N1	25-SEP-2008 10:20:37	Bright	36.000	93	53Bet Peg	2.5200	3100.0	72	34359	No
81	GOM_NL__2PRFIN20080925_103022_000000372072_00237_34359_8742.N1	25-SEP-2008 10:30:22	Bright	37.000	74	11Bet Cas	2.2680	6600.0	74	34359	No
82	GOM_NL__2PRFIN20080925_103152_000000412072_00237_34359_8743.N1	25-SEP-2008 10:31:52	Bright	41.000	76	27Gam Cas	2.3000	30000.	82	34359	No
83	GOM_NL__2PRFIN20080925_105550_000000352072_00237_34359_8744.N1	25-SEP-2008 10:55:50	Bright	35.000	24	66Alp Gem	1.5800	10200.	70	34359	No
84	GOM_NL__2PRFIN20080925_110543_000000662072_00237_34359_8745.N1	25-SEP-2008 11:05:43	Dark	66.000	8	10Alp CMi	0.40000	6500.0	132	34359	No
85	GOM_NL__2PRFIN20080925_111258_000000432072_00237_34359_8746.N1	25-SEP-2008 11:12:58	Dark	42.500	132	15Rho Pup	2.8030	6900.0	85	34359	No
86	GOM_NL__2PRFIN20080925_111617_000000442072_00237_34359_8747.N1	25-SEP-2008 11:16:17	Dark	44.000	88	31Eta CMa	2.4480	20000.	88	34359	No
87	GOM_NL__2PRFIN20080925_111746_000000532072_00237_34359_8748.N1	25-SEP-2008 11:17:46	Dark	52.500	23	21Eps CMa	1.5020	26000.	105	34359	No
88	GOM_NL__2PRFIN20080925_112157_000000422072_00238_34360_8750.N1	25-SEP-2008 11:21:57	Dark	41.500	161	Tau Pup	2.9310	4500.0	83	34360	No
89	GOM_NL__2PRFIN20080925_113433_000000442072_00238_34360_8751.N1	25-SEP-2008 11:34:33	Dark	44.000	9	Alp Eri	0.45300	24000.	88	34360	No
90	GOM_NL__2PRFIN20080925_114003_000000392072_00238_34360_8752.N1	25-SEP-2008 11:40:03	Straylight	39.000	84	Alp Phe	2.3970	4500.0	78	34360	No
91	GOM_NL__2PRFIN20080925_114711_000000502072_00238_34360_8753.N1	25-SEP-2008 11:47:11	Tw_i_and_stray	49.500	52	16Bet Cet	2.0370	4500.0	99	34360	No
92	GOM_NL__2PRFIN20080925_115731_000000372072_00238_34360_8754.N1	25-SEP-2008 11:57:31	Bright	36.500	90	54Alp Peg	2.4870	11000.	73	34360	No
93	GOM_NL__2PRFIN20080925_120113_000000392072_00238_34360_8755.N1	25-SEP-2008 12:01:13	Bright	39.000	93	53Bet Peg	2.5200	3100.0	78	34360	No
94	GOM_NL__2PRFIN20080925_121057_000000402072_00238_34360_8756.N1	25-SEP-2008 12:10:57	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	34360	No
95	GOM_NL__2PRFIN20080925_121228_000000422072_00238_34360_8757.N1	25-SEP-2008 12:12:28	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	34360	No
96	GOM_NL__2PRFIN20080925_123625_000000272072_00238_34360_8758.N1	25-SEP-2008 12:36:25	Tw_i_and_stray	27.000	24	66Alp Gem	1.5800	10200.	54	34360	No
97	GOM_NL__2PRFIN20080925_124619_000000672072_00238_34360_8759.N1	25-SEP-2008 12:46:19	Dark	67.000	8	10Alp CMi	0.40000	6500.0	134	34360	No
98	GOM_NL__2PRFIN20080925_125335_000000422072_00238_34360_8760.N1	25-SEP-2008 12:53:35	Dark	41.500	132	15Rho Pup	2.8030	6900.0	83	34360	No
99	GOM_NL__2PRFIN20080925_125654_000000482072_00238_34360_8761.N1	25-SEP-2008 12:56:54	Dark	47.500	88	31Eta CMa	2.4480	20000.	95	34360	No
100	GOM_NL__2PRFIN20080925_125823_000000512072_00238_34360_8762.N1	25-SEP-2008 12:58:23	Dark	50.500	23	21Eps CMa	1.5020	26000.	101	34360	No
101	GOM_NL__2PRFIN20080925_130233_000000432072_00239_34361_8760.N1	25-SEP-2008 13:02:33	Dark	43.000	161	Tau Pup	2.9310	4500.0	86	34361	No



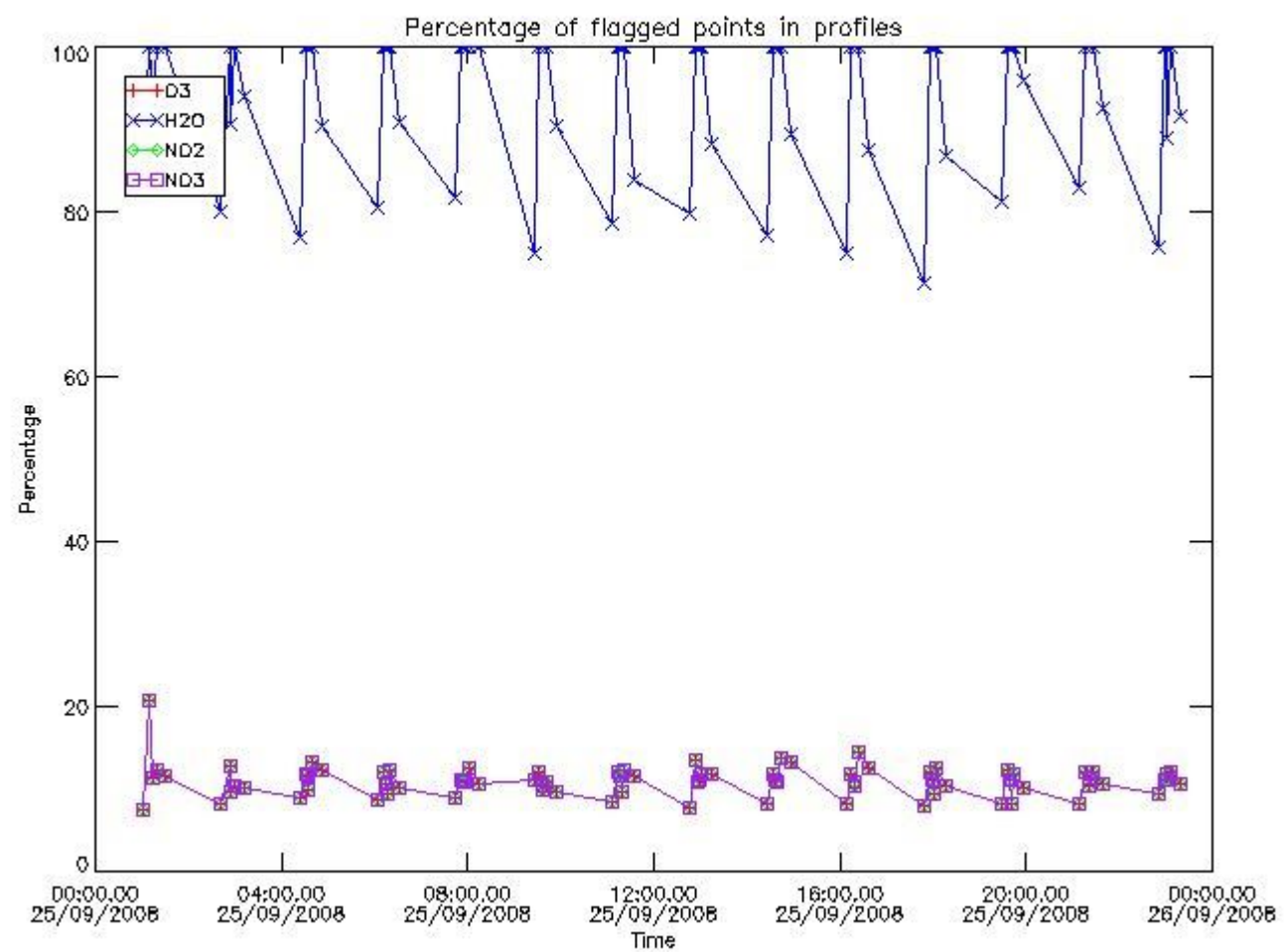
102	GOM_NL__2PRFIN20080925_131509_000000472072_00239_34361_8761.N1	25-SEP-2008 13:15:09	Dark	47.000	9	Alp Eri	0.45300	24000.	94	34361	No
103	GOM_NL__2PRFIN20080925_132039_000000432072_00239_34361_8762.N1	25-SEP-2008 13:20:39	Straylight	42.500	84	Alp Phe	2.3970	4500.0	85	34361	No
104	GOM_NL__2PRFIN20080925_132747_000000512072_00239_34361_8763.N1	25-SEP-2008 13:27:47	Twl_and_stray	51.000	52	16Bet Cet	2.0370	4500.0	102	34361	No
105	GOM_NL__2PRFIN20080925_133806_000000382072_00239_34361_8764.N1	25-SEP-2008 13:38:06	Bright	37.500	90	54Alp Peg	2.4870	11000.	75	34361	No
106	GOM_NL__2PRFIN20080925_134149_000000392072_00239_34361_8765.N1	25-SEP-2008 13:41:49	Bright	38.500	93	53Bet Peg	2.5200	3100.0	77	34361	No
107	GOM_NL__2PRFIN20080925_135133_000000362072_00239_34361_8766.N1	25-SEP-2008 13:51:33	Bright	36.000	74	11Bet Cas	2.2680	6600.0	72	34361	No
108	GOM_NL__2PRFIN20080925_135303_000000412072_00239_34361_8767.N1	25-SEP-2008 13:53:03	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	34361	No
109	GOM_NL__2PRFIN20080925_141702_000000272072_00239_34361_8768.N1	25-SEP-2008 14:17:02	Twl_and_stray	27.000	24	66Alp Gem	1.5800	10200.	54	34361	No
110	GOM_NL__2PRFIN20080925_142656_000000622072_00239_34361_8769.N1	25-SEP-2008 14:26:56	Dark	61.500	8	10Alp CMi	0.40000	6500.0	123	34361	No
111	GOM_NL__2PRFIN20080925_143411_000000442072_00239_34361_8770.N1	25-SEP-2008 14:34:11	Dark	43.500	132	15Rho Pup	2.8030	6900.0	87	34361	No
112	GOM_NL__2PRFIN20080925_143731_000000462072_00239_34361_8771.N1	25-SEP-2008 14:37:31	Dark	45.500	88	31Eta CMa	2.4480	20000.	91	34361	No
113	GOM_NL__2PRFIN20080925_143900_000000482072_00239_34361_8772.N1	25-SEP-2008 14:39:00	Dark	47.500	23	21Eps CMa	1.5020	26000.	95	34361	No
114	GOM_NL__2PRFIN20080925_144310_000000412072_00240_34362_8781.N1	25-SEP-2008 14:43:10	Dark	40.500	161	Tau Pup	2.9310	4500.0	81	34362	No
115	GOM_NL__2PRFIN20080925_145546_000000432072_00240_34362_8782.N1	25-SEP-2008 14:55:46	Dark	42.500	9	Alp Eri	0.45300	24000.	85	34362	No
116	GOM_NL__2PRFIN20080925_150115_000000462072_00240_34362_8783.N1	25-SEP-2008 15:01:15	Straylight	45.500	84	Alp Phe	2.3970	4500.0	91	34362	No
117	GOM_NL__2PRFIN20080925_150823_000000502072_00240_34362_8784.N1	25-SEP-2008 15:08:23	Twl_and_stray	50.000	52	16Bet Cet	2.0370	4500.0	100	34362	No
118	GOM_NL__2PRFIN20080925_151843_000000372072_00240_34362_8785.N1	25-SEP-2008 15:18:43	Bright	37.000	90	54Alp Peg	2.4870	11000.	74	34362	No
119	GOM_NL__2PRFIN20080925_152225_000000382072_00240_34362_8786.N1	25-SEP-2008 15:22:25	Bright	38.000	93	53Bet Peg	2.5200	3100.0	76	34362	No
120	GOM_NL__2PRFIN20080925_153209_000000392072_00240_34362_8787.N1	25-SEP-2008 15:32:09	Bright	38.500	74	11Bet Cas	2.2680	6600.0	77	34362	No
121	GOM_NL__2PRFIN20080925_153339_000000402072_00240_34362_8788.N1	25-SEP-2008 15:33:39	Bright	40.000	76	27Gam Cas	2.3000	30000.	80	34362	No
122	GOM_NL__2PRFIN20080925_160733_000000622072_00240_34362_8789.N1	25-SEP-2008 16:07:33	Dark	62.000	8	10Alp CMi	0.40000	6500.0	124	34362	No
123	GOM_NL__2PRFIN20080925_161448_000000442072_00240_34362_8790.N1	25-SEP-2008 16:14:48	Dark	43.500	132	15Rho Pup	2.8030	6900.0	87	34362	No
124	GOM_NL__2PRFIN20080925_161808_000000472072_00240_34362_8791.N1	25-SEP-2008 16:18:08	Dark	46.500	88	31Eta CMa	2.4480	20000.	93	34362	No
125	GOM_NL__2PRFIN20080925_161937_000000502072_00240_34362_8792.N1	25-SEP-2008 16:19:37	Dark	49.500	23	21Eps CMa	1.5020	26000.	99	34362	No
126	GOM_NL__2PRFIN20080925_162346_000000422072_00241_34363_8796.N1	25-SEP-2008 16:23:46	Dark	42.000	161	Tau Pup	2.9310	4500.0	84	34363	No
127	GOM_NL__2PRFIN20080925_163622_000000412072_00241_34363_8797.N1	25-SEP-2008 16:36:22	Dark	40.500	9	Alp Eri	0.45300	24000.	81	34363	No
128	GOM_NL__2PRFIN20080925_164152_000000432072_00241_34363_8798.N1	25-SEP-2008 16:41:52	Straylight	43.000	84	Alp Phe	2.3970	4500.0	86	34363	No
129	GOM_NL__2PRFIN20080925_164900_000000492072_00241_34363_8799.N1	25-SEP-2008 16:49:00	Twl_and_stray	49.000	52	16Bet Cet	2.0370	4500.0	98	34363	No
130	GOM_NL__2PRFIN20080925_165919_000000362072_00241_34363_8800.N1	25-SEP-2008 16:59:19	Bright	36.000	90	54Alp Peg	2.4870	11000.	72	34363	No
131	GOM_NL__2PRFIN20080925_170301_000000392072_00241_34363_8801.N1	25-SEP-2008 17:03:01	Bright	38.500	93	53Bet Peg	2.5200	3100.0	77	34363	No
132	GOM_NL__2PRFIN20080925_171244_000000402072_00241_34363_8802.N1	25-SEP-2008 17:12:44	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	34363	No
133	GOM_NL__2PRFIN20080925_171414_000000402072_00241_34363_8803.N1	25-SEP-2008 17:14:14	Bright	40.000	76	27Gam Cas	2.3000	30000.	80	34363	No
134	GOM_NL__2PRFIN20080925_174810_000000652072_00241_34363_8804.N1	25-SEP-2008 17:48:10	Dark	65.000	8	10Alp CMi	0.40000	6500.0	130	34363	No
135	GOM_NL__2PRFIN20080925_175525_000000422072_00241_34363_8805.N1	25-SEP-2008 17:55:25	Dark	42.000	132	15Rho Pup	2.8030	6900.0	84	34363	No
136	GOM_NL__2PRFIN20080925_175844_000000462072_00241_34363_8806.N1	25-SEP-2008 17:58:44	Dark	46.000	88	31Eta CMa	2.4480	20000.	92	34363	No
137	GOM_NL__2PRFIN20080925_180015_000000542072_00241_34363_8807.N1	25-SEP-2008 18:00:15	Dark	54.000	23	21Eps CMa	1.5020	26000.	108	34363	No
138	GOM_NL__2PRFIN20080925_180423_000000412072_00242_34364_8811.N1	25-SEP-2008 18:04:23	Dark	40.500	161	Tau Pup	2.9310	4500.0	81	34364	No
139	GOM_NL__2PRFIN20080925_181659_000000492072_00242_34364_8812.N1	25-SEP-2008 18:16:59	Dark	49.000	9	Alp Eri	0.45300	24000.	98	34364	No
140	GOM_NL__2PRFIN20080925_182228_000000412072_00242_34364_8813.N1	25-SEP-2008 18:22:28	Straylight	40.500	84	Alp Phe	2.3970	4500.0	81	34364	No
141	GOM_NL__2PRFIN20080925_182936_000000492072_00242_34364_8814.N1	25-SEP-2008 18:29:36	Twl_and_stray	48.500	52	16Bet Cet	2.0370	4500.0	97	34364	No
142	GOM_NL__2PRFIN20080925_183955_000000372072_00242_34364_8815.N1	25-SEP-2008 18:39:55	Bright	36.500	90	54Alp Peg	2.4870	11000.	73	34364	No
143	GOM_NL__2PRFIN20080925_184337_000000482072_00242_34364_8816.N1	25-SEP-2008 18:43:37	Bright	47.500	93	53Bet Peg	2.5200	3100.0	95	34364	No
144	GOM_NL__2PRFIN20080925_185320_000000402072_00242_34364_8817.N1	25-SEP-2008 18:53:20	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	34364	No
145	GOM_NL__2PRFIN20080925_185450_000000412072_00242_34364_8818.N1	25-SEP-2008 18:54:50	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	34364	No
146	GOM_NL__2PRFIN20080925_192847_000000622072_00242_34364_8819.N1	25-SEP-2008 19:28:47	Dark	62.000	8	10Alp CMi	0.40000	6500.0	124	34364	No
147	GOM_NL__2PRFIN20080925_193601_000000422072_00242_34364_8820.N1	25-SEP-2008 19:36:01	Dark	41.500	132	15Rho Pup	2.8030	6900.0	83	34364	No
148	GOM_NL__2PRFIN20080925_193921_000000462072_00242_34364_8821.N1	25-SEP-2008 19:39:21	Dark	46.000	88	31Eta CMa	2.4480	20000.	92	34364	No
149	GOM_NL__2PRFIN20080925_194051_000000622072_00242_34364_8822.N1	25-SEP-2008 19:40:51	Dark	61.500	23	21Eps CMa	1.5020	26000.	123	34364	No
150	GOM_NL__2PRFIN20080925_194500_000000432072_00243_34365_8826.N1	25-SEP-2008 19:45:00	Dark	43.000	161	Tau Pup	2.9310	4500.0	86	34365	No
151	GOM_NL__2PRFIN20080925_195735_000000502072_00243_34365_8827.N1	25-SEP-2008 19:57:35	Dark	49.500	9	Alp Eri	0.45300	24000.	99	34365	No
152	GOM_NL__2PRFIN20080925_200304_000000402072_00243_34365_8828.N1	25-SEP-2008 20:03:04	Straylight	39.500	84	Alp Phe	2.3970	4500.0	79	34365	No
153	GOM_NL__2PRFIN20080925_201012_000000522072_00243_34365_8829.N1	25-SEP-2008 20:10:12	Twl_and_stray	52.000	52	16Bet Cet	2.0370	4500.0	104	34365	No
154	GOM_NL__2PRFIN20080925_202030_000000372072_00243_34365_8830.N1	25-SEP-2008 20:20:30	Bright	37.000	90	54Alp Peg	2.4870	11000.	74	34365	No
155	GOM_NL__2PRFIN20080925_202412_000000392072_00243_34365_8831.N1	25-SEP-2008 20:24:12	Bright	38.500	93	53Bet Peg	2.5200	3100.0	77	34365	No
156	GOM_NL__2PRFIN20080925_203356_000000572072_00243_34365_8832.N1	25-SEP-2008 20:33:56	Bright	57.000	74	11Bet Cas	2.2680	6600.0	114	34365	No
157	GOM_NL__2PRFIN20080925_203525_000000402072_00243_34365_8833.N1	25-SEP-2008 20:35:25	Bright	40.000	76	27Gam Cas	2.3000	30000.	80	34365	No
158	GOM_NL__2PRFIN20080925_210923_000000622072_00243_34365_8834.N1	25-SEP-2008 21:09:23	Dark	61.500	8	10Alp CMi	0.40000	6500.0	123	34365	No
159	GOM_NL__2PRFIN20080925_211638_000000432072_00243_34365_8835.N1	25-SEP-2008 21:16:38	Dark	42.500	132	15Rho Pup	2.8030	6900.0	85	34365	No
160	GOM_NL__2PRFIN20080925_211958_000000452072_00243_34365_8836.N1	25-SEP-2008 21:19:58	Dark	45.000	88	31Eta CMa	2.4480	20000.	90	34365	No

161	GOM_NL__2PRFIN20080925_212129_000000502072_00243_34365_8837.N1	25-SEP-2008 21:21:29	Dark	49.500	23	21Eps CMa	1.5020	26000.	99	34365	No
162	GOM_NL__2PRFIN20080925_212536_000000432072_00244_34366_8837.N1	25-SEP-2008 21:25:36	Dark	42.500	161	Tau Pup	2.9310	4500.0	85	34366	No
163	GOM_NL__2PRFIN20080925_213811_000000482072_00244_34366_8838.N1	25-SEP-2008 21:38:11	Dark	48.000	9	Alp Eri	0.45300	24000.	96	34366	No
164	GOM_NL__2PRFIN20080925_214340_000000452072_00244_34366_8839.N1	25-SEP-2008 21:43:40	Straylight	44.500	84	Alp Phe	2.3970	4500.0	89	34366	No
165	GOM_NL__2PRFIN20080925_215048_000000472072_00244_34366_8840.N1	25-SEP-2008 21:50:48	Tw_i_and_stray	47.000	52	16Bet Cet	2.0370	4500.0	94	34366	No
166	GOM_NL__2PRFIN20080925_220106_000000372072_00244_34366_8841.N1	25-SEP-2008 22:01:06	Bright	36.500	90	54Alp Peg	2.4870	11000.	73	34366	No
167	GOM_NL__2PRFIN20080925_220448_000000362072_00244_34366_8842.N1	25-SEP-2008 22:04:48	Bright	35.500	93	53Bet Peg	2.5200	3100.0	71	34366	No
168	GOM_NL__2PRFIN20080925_221431_000000392072_00244_34366_8843.N1	25-SEP-2008 22:14:31	Bright	39.000	74	11Bet Cas	2.2680	6600.0	78	34366	No
169	GOM_NL__2PRFIN20080925_221601_000000422072_00244_34366_8844.N1	25-SEP-2008 22:16:01	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	34366	No
170	GOM_NL__2PRFIN20080925_224124_000000522072_00244_34366_8845.N1	25-SEP-2008 22:41:24	Bright	51.500	17	78Bet Gem	1.1610	4500.0	103	34366	No
171	GOM_NL__2PRFIN20080925_225000_000000542072_00244_34366_8846.N1	25-SEP-2008 22:50:00	Dark	53.500	8	10Alp CMi	0.40000	6500.0	107	34366	No
172	GOM_NL__2PRFIN20080925_225714_000000462072_00244_34366_8847.N1	25-SEP-2008 22:57:14	Dark	46.000	132	15Rho Pup	2.8030	6900.0	92	34366	No
173	GOM_NL__2PRFIN20080925_230035_000000482072_00244_34366_8848.N1	25-SEP-2008 23:00:35	Dark	47.500	88	31Eta CMa	2.4480	20000.	95	34366	No
174	GOM_NL__2PRFIN20080925_230206_000000502072_00244_34366_8849.N1	25-SEP-2008 23:02:06	Dark	50.000	23	21Eps CMa	1.5020	26000.	100	34366	No
175	GOM_NL__2PRFIN20080925_230613_000000422072_00245_34367_8860.N1	25-SEP-2008 23:06:13	Dark	42.000	161	Tau Pup	2.9310	4500.0	84	34367	No
176	GOM_NL__2PRFIN20080925_231848_000000482072_00245_34367_8861.N1	25-SEP-2008 23:18:48	Dark	48.000	9	Alp Eri	0.45300	24000.	96	34367	No
177	GOM_NL__2PRFIN20080925_232416_000000432072_00245_34367_8862.N1	25-SEP-2008 23:24:16	Straylight	42.500	84	Alp Phe	2.3970	4500.0	85	34367	No
178	GOM_NL__2PRFIN20080925_233124_000000522072_00245_34367_8863.N1	25-SEP-2008 23:31:24	Tw_i_and_stray	52.000	52	16Bet Cet	2.0370	4500.0	104	34367	No
179	GOM_NL__2PRFIN20080925_234142_000000372072_00245_34367_8864.N1	25-SEP-2008 23:41:42	Bright	37.000	90	54Alp Peg	2.4870	11000.	74	34367	No
180	GOM_NL__2PRFIN20080925_234524_000000392072_00245_34367_8865.N1	25-SEP-2008 23:45:24	Bright	38.500	93	53Bet Peg	2.5200	3100.0	77	34367	No
181	GOM_NL__2PRFIN20080925_235507_000000392072_00245_34367_8866.N1	25-SEP-2008 23:55:07	Bright	39.000	74	11Bet Cas	2.2680	6600.0	78	34367	No
182	GOM_NL__2PRFIN20080925_235636_000000412072_00245_34367_8867.N1	25-SEP-2008 23:56:36	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	34367	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.

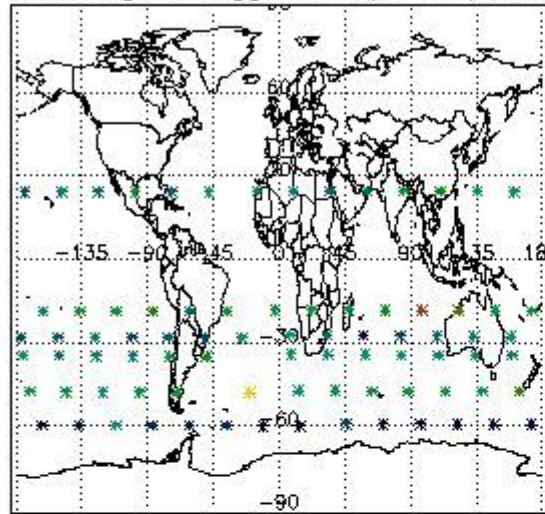
#### 3.1 Plot quality information per product (time dependant)



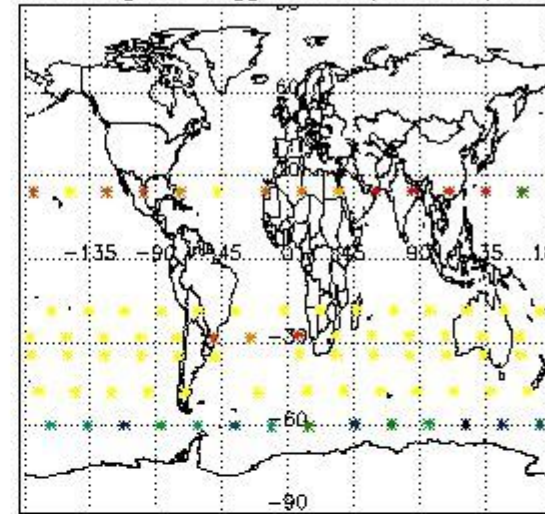
3.2 Plot quality information per product (world map)



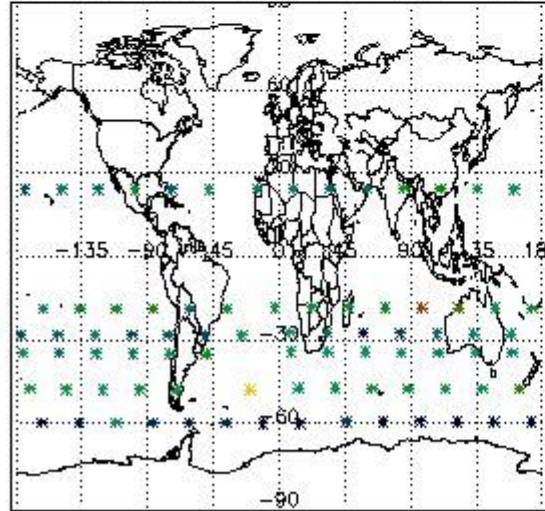
Percentage of flagged data per O3 profile



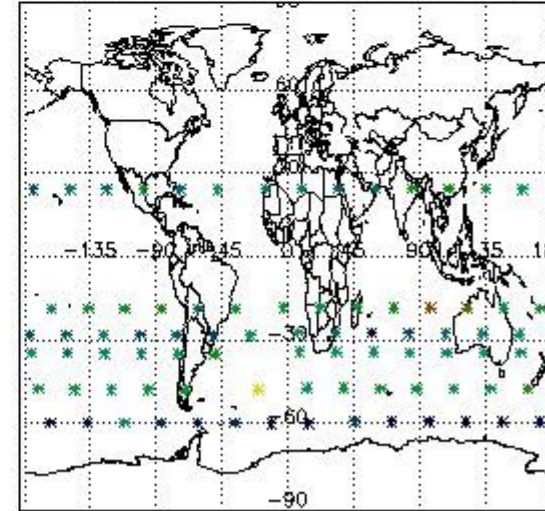
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile



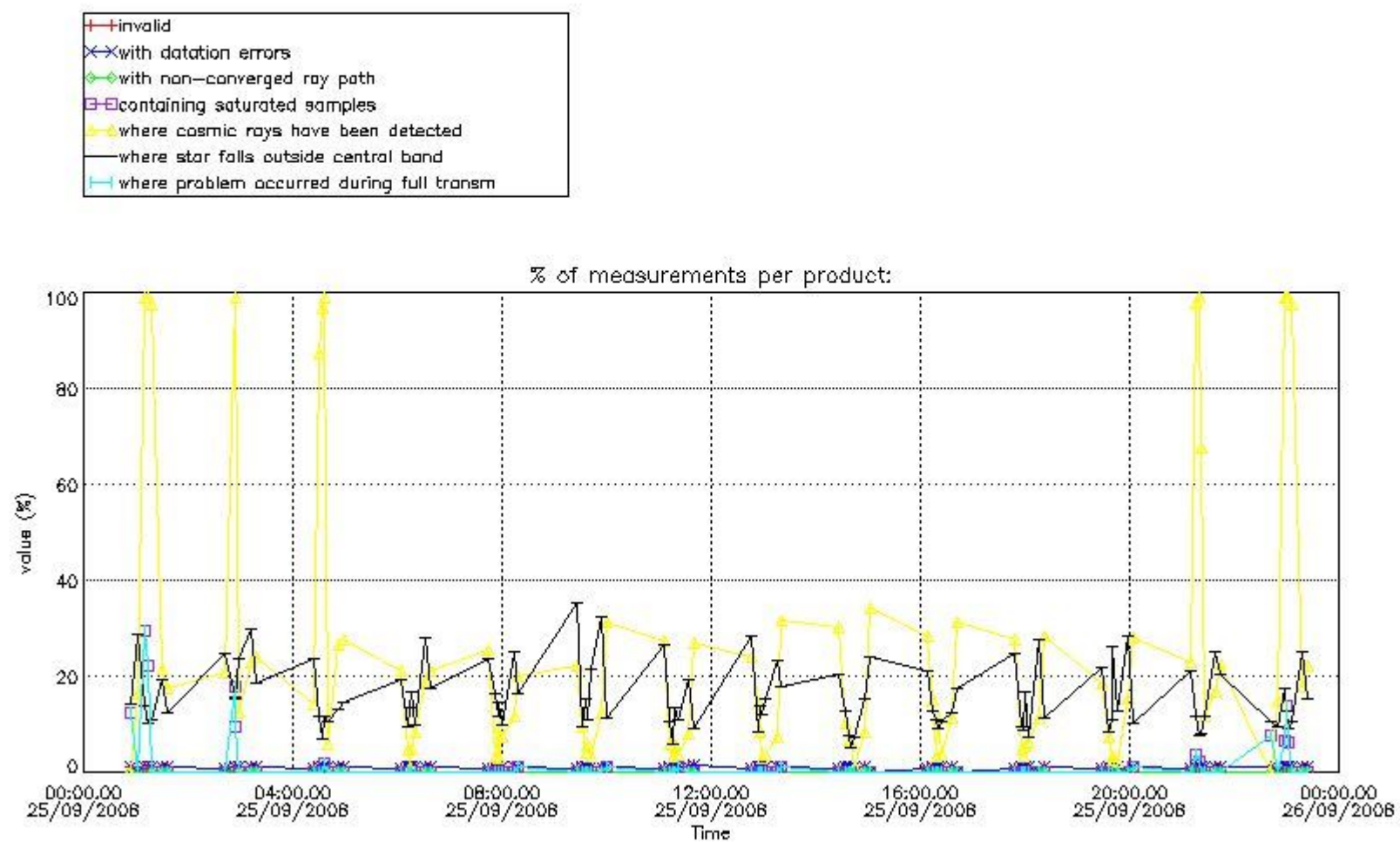
#### 4. Level 1 quality information per product

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.

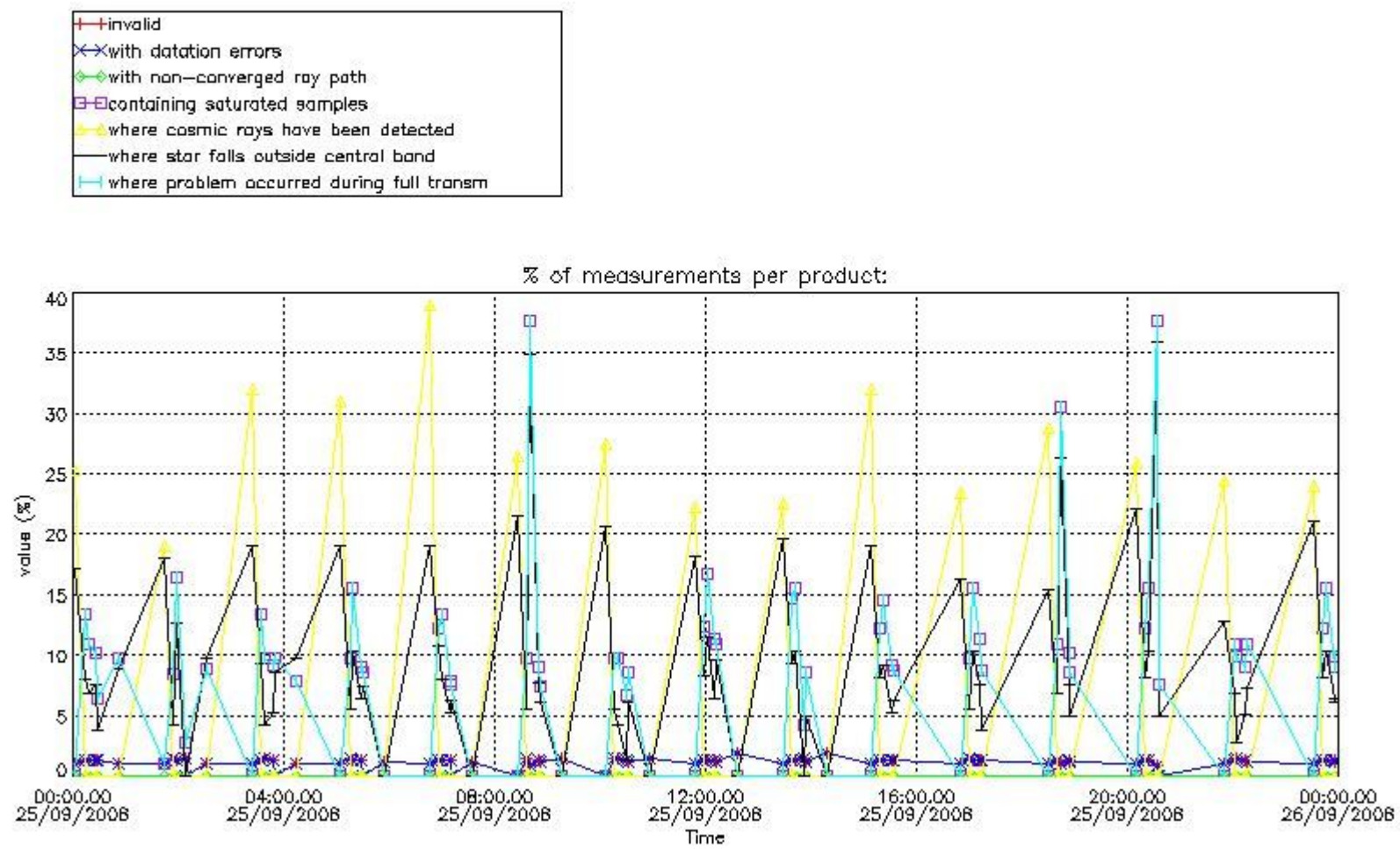
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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





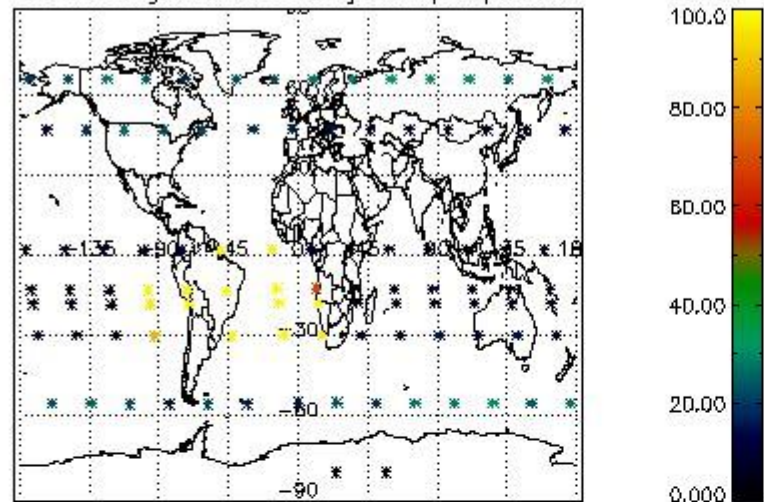
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



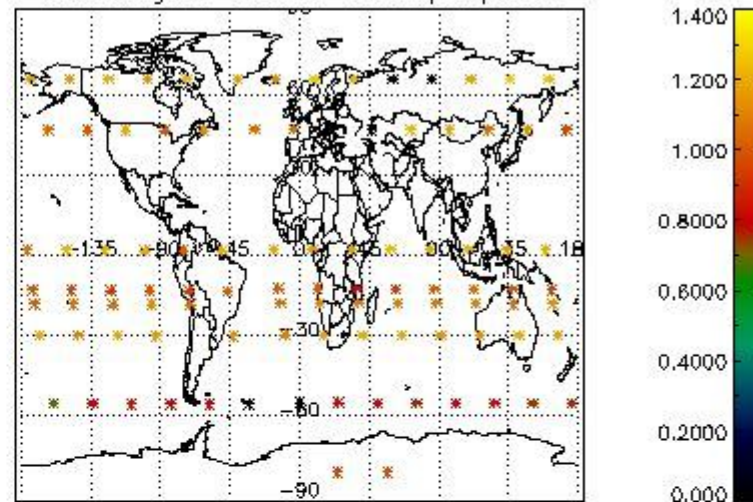
#### 4.2 Plot quality information per product coming from level 1b processing (world map)

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

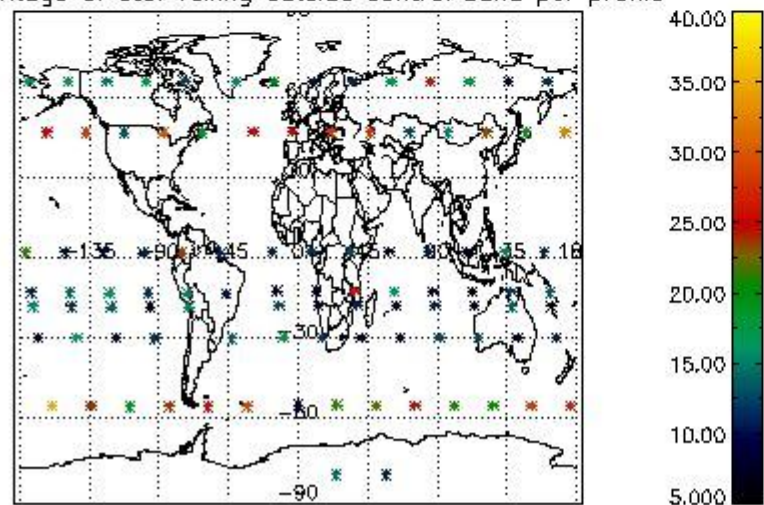
Percentage of cosmic ray hits per profile



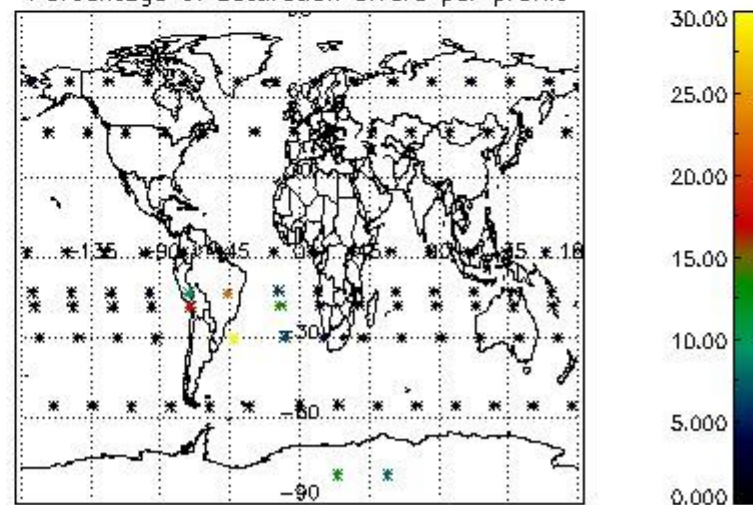
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

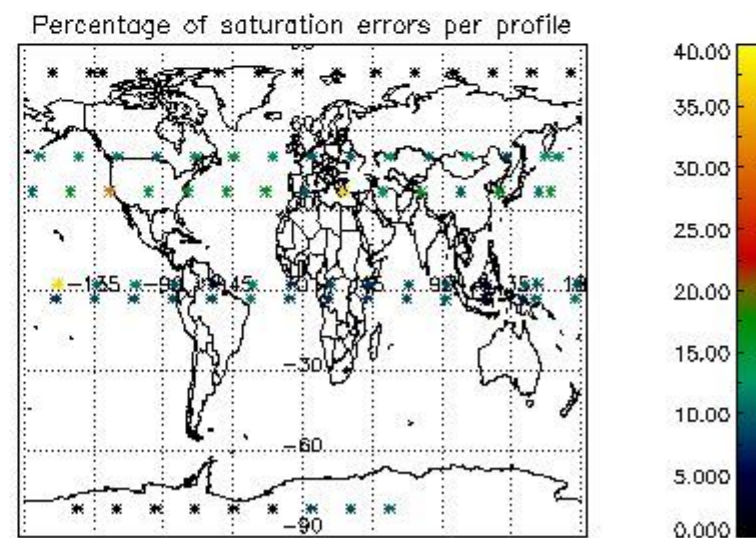
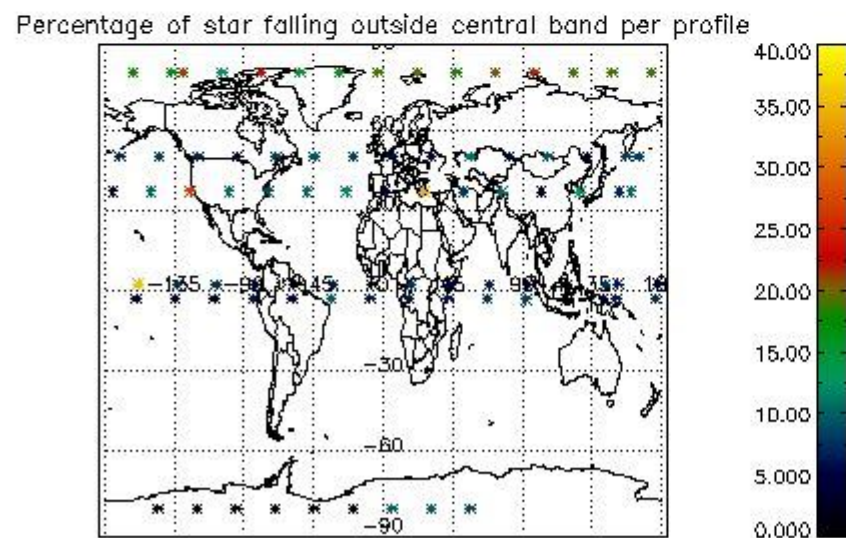
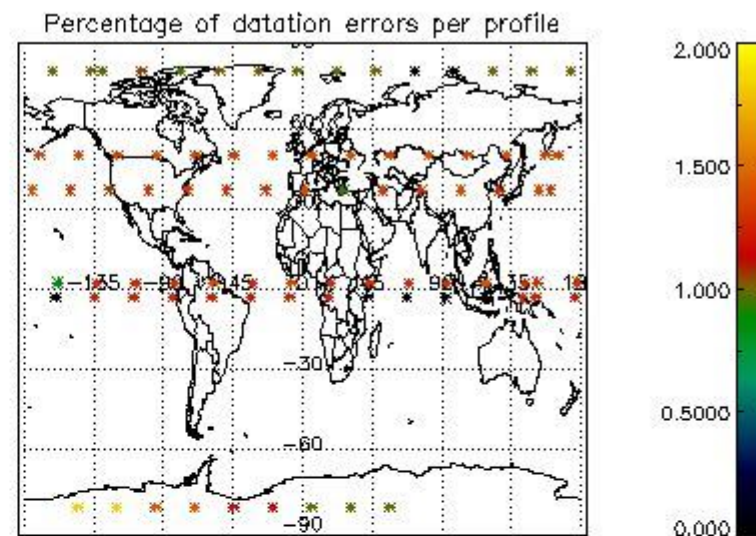
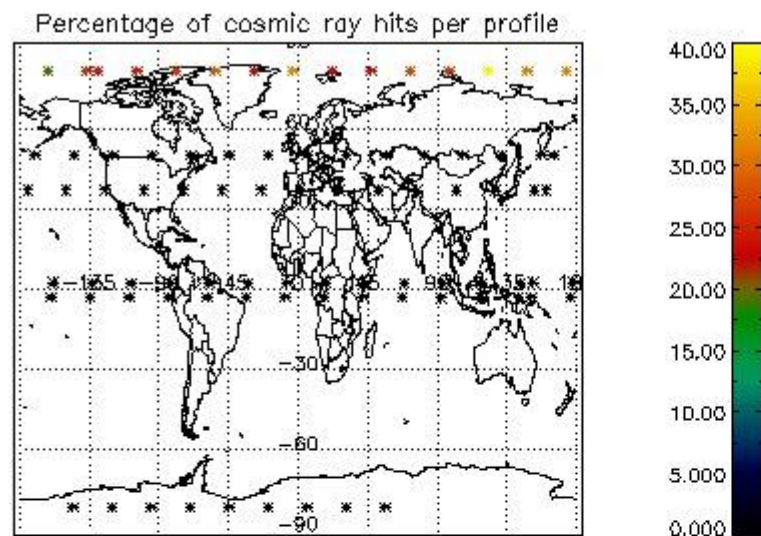


Percentage of saturation errors per profile



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.

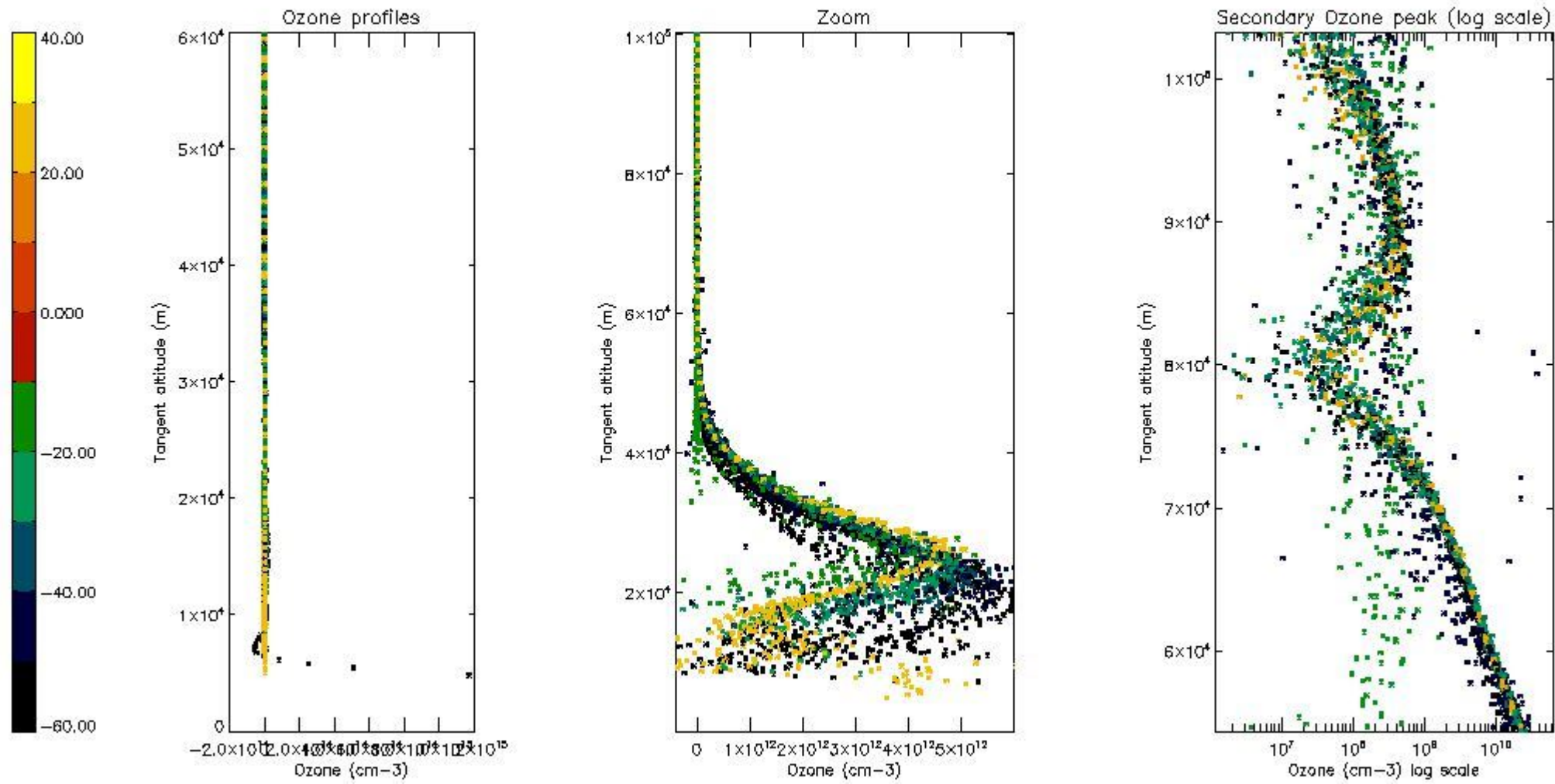
Criteria	% of total production
All STD	50
STD < 20	29



STD < 10	22
STD < 5	18

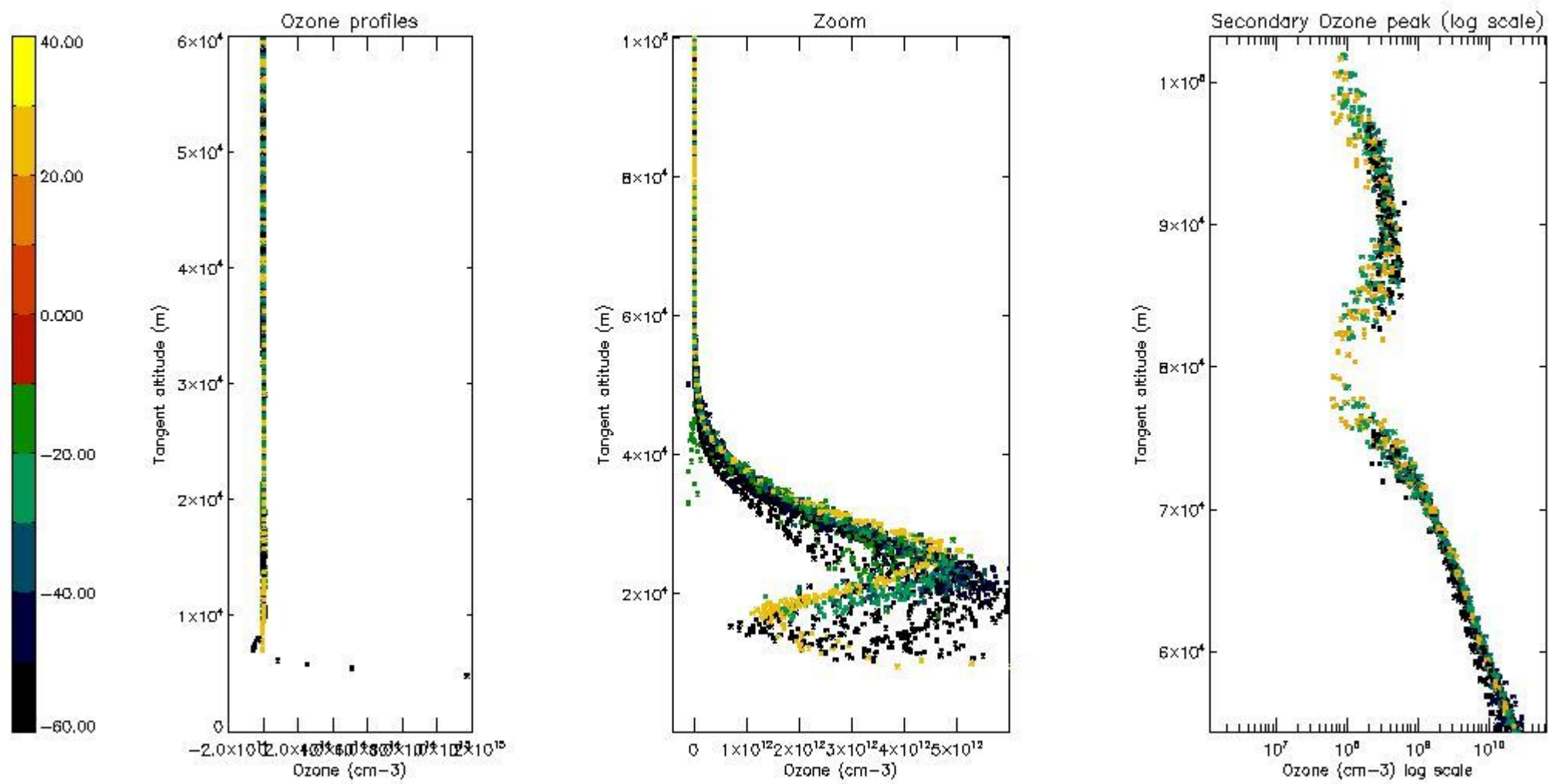
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



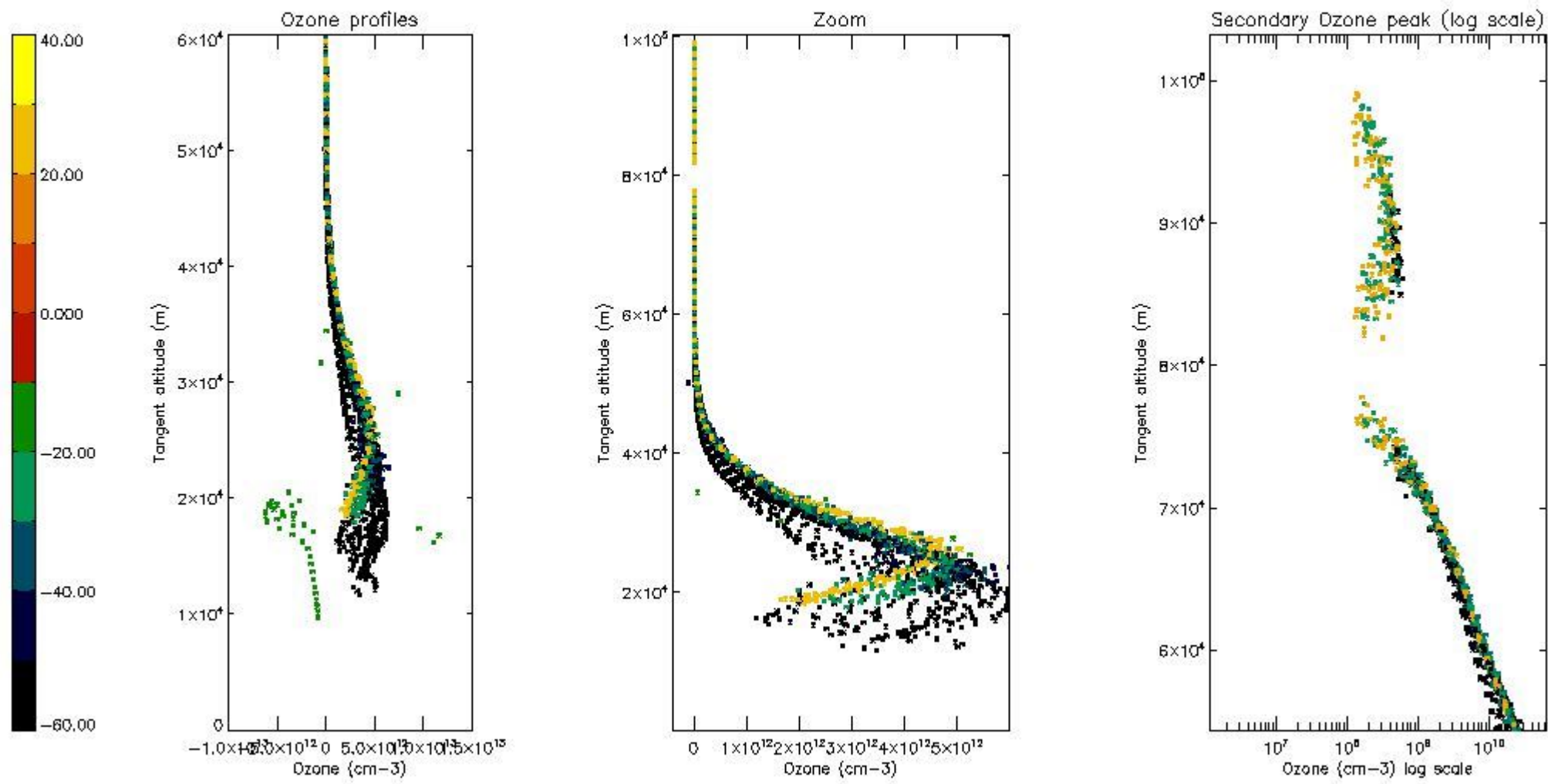
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



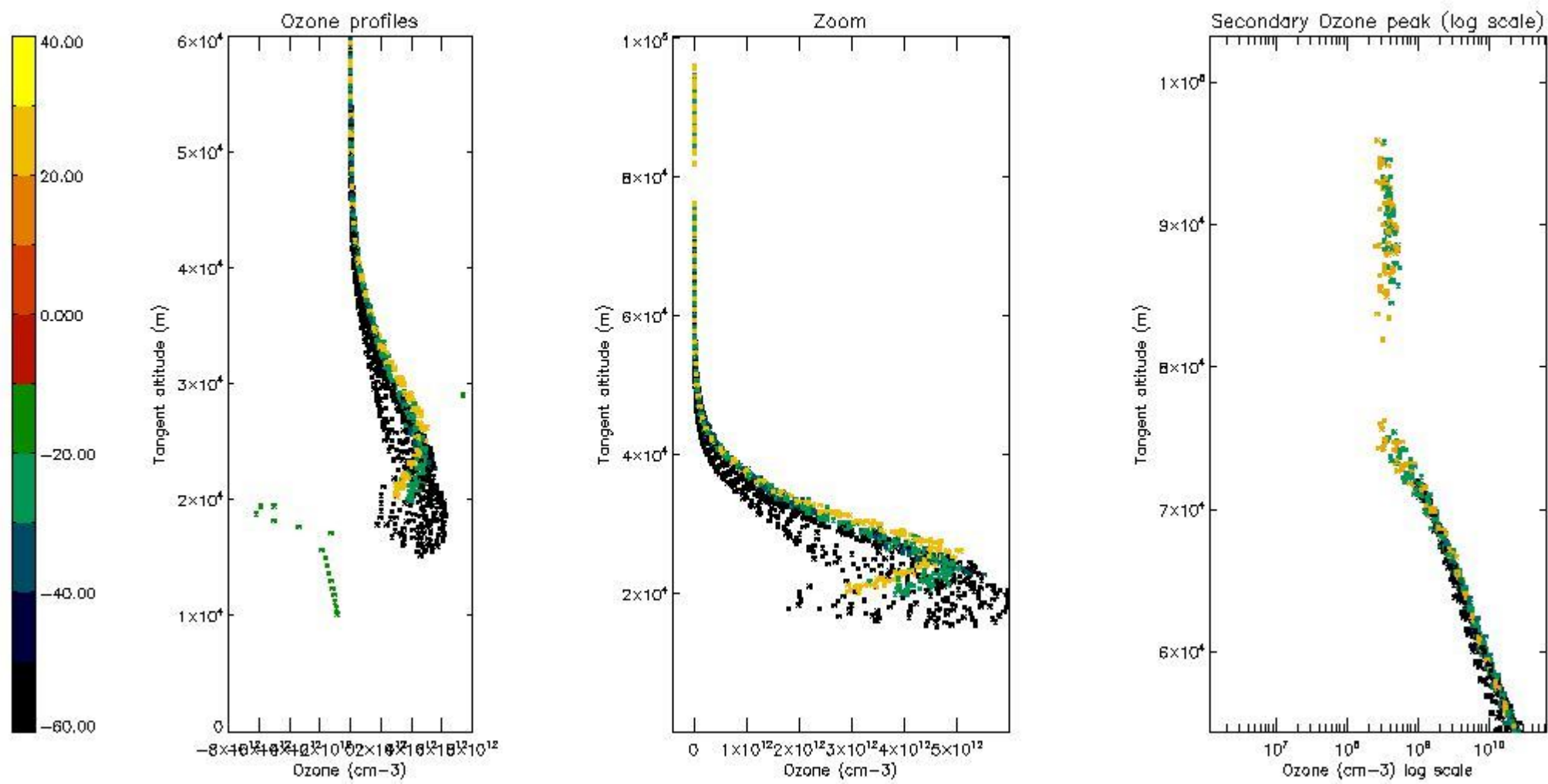
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



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

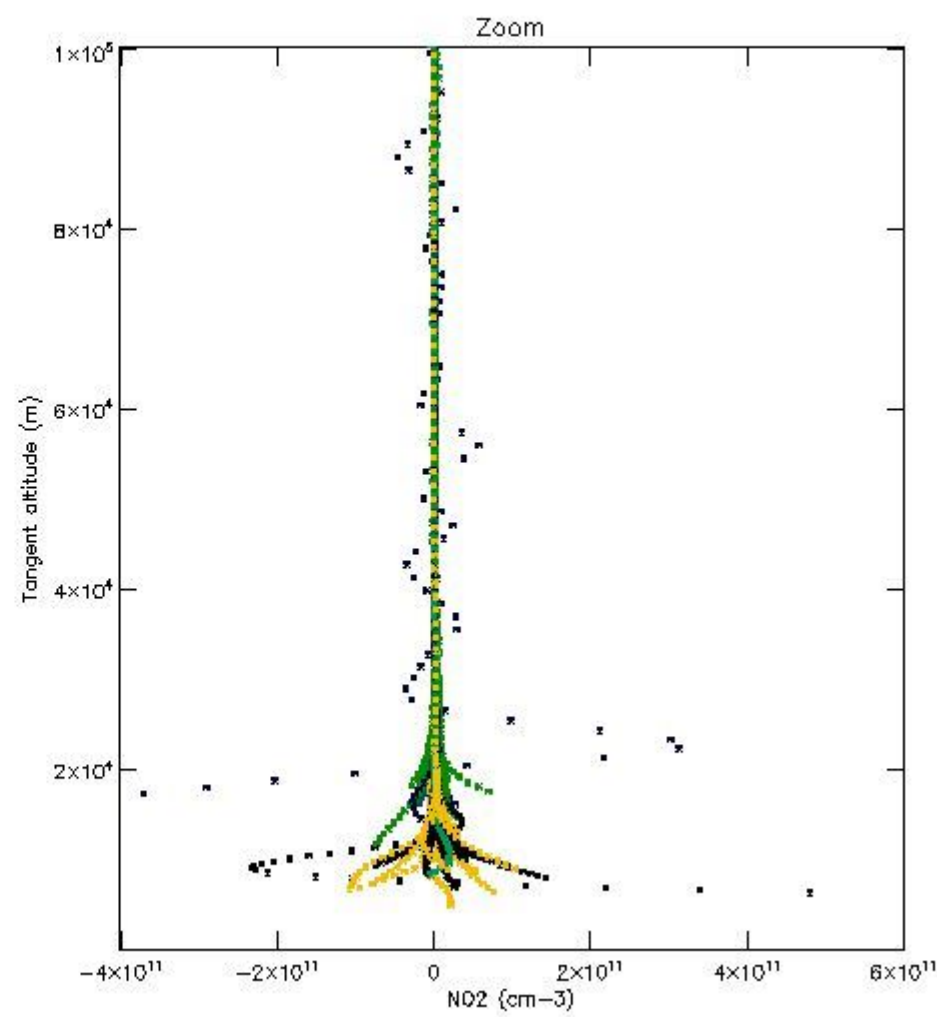
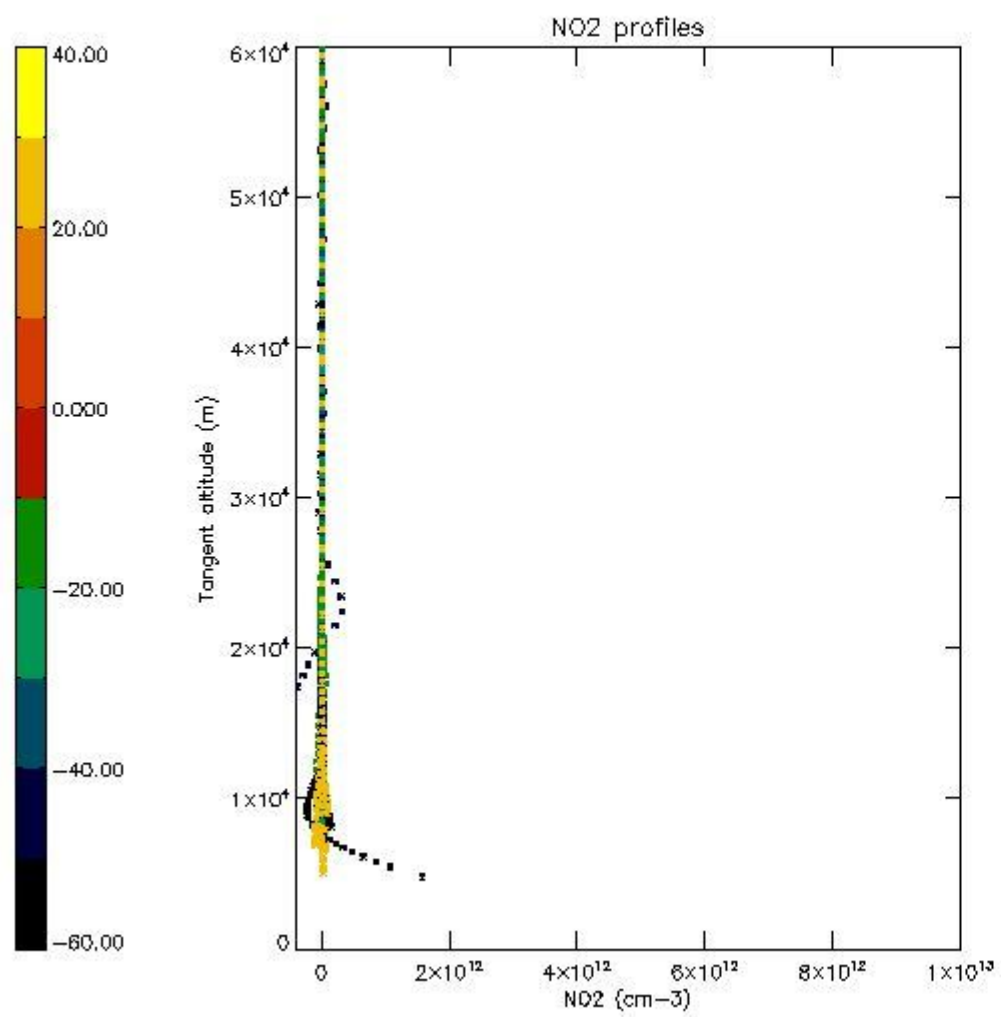
The colorbar represents the latitude.



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

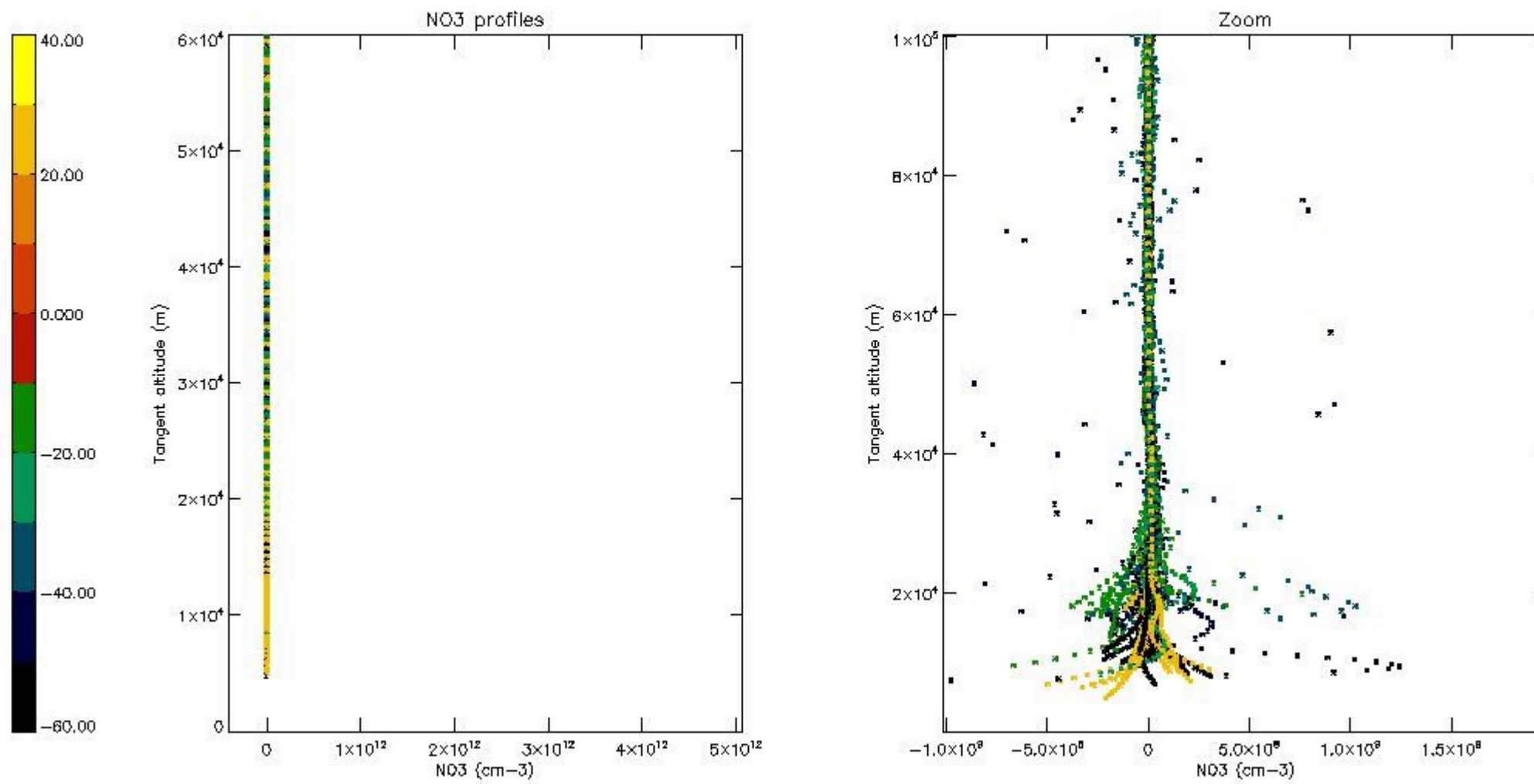
The colorbar represents the latitude.





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

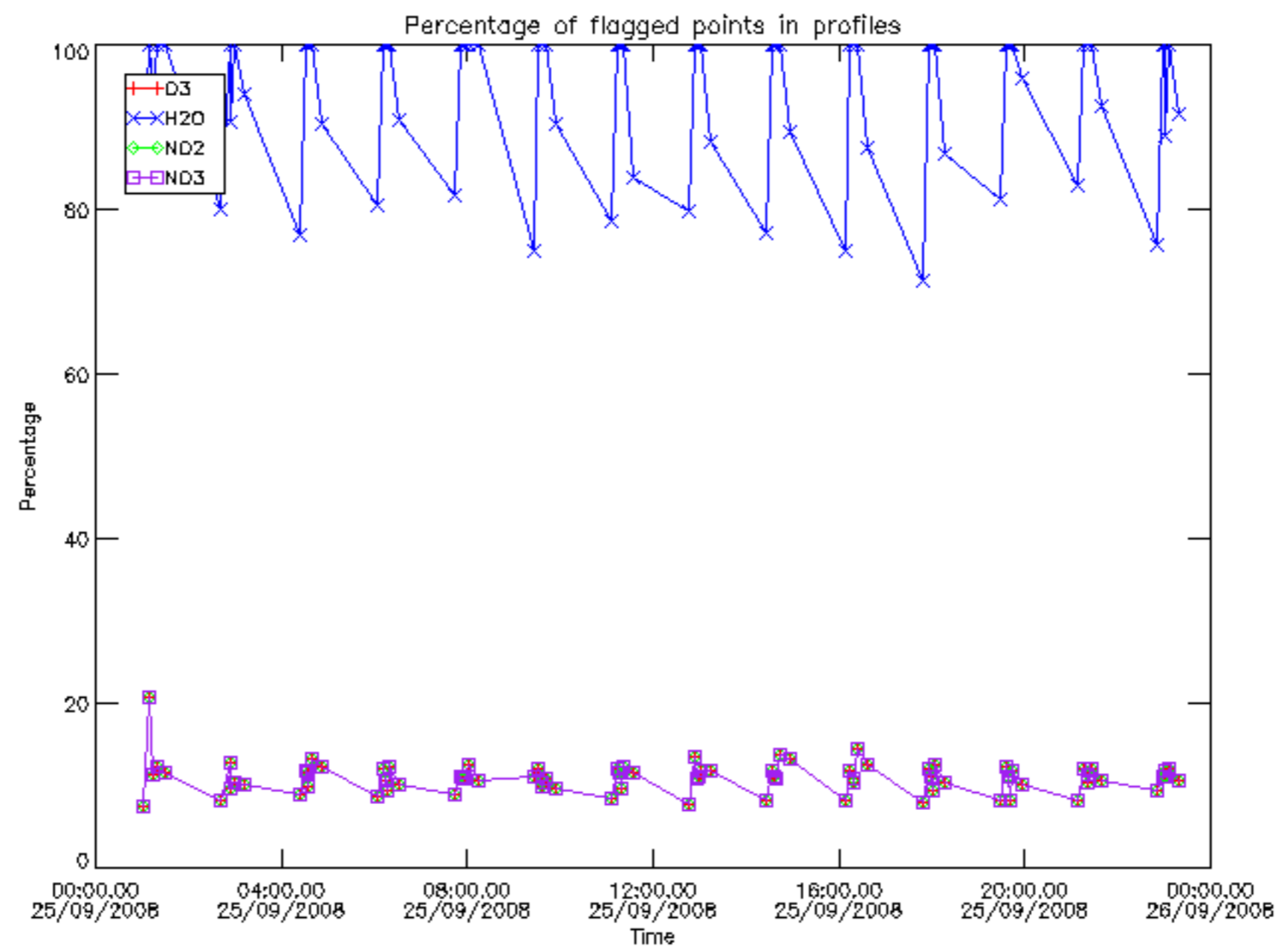
The colorbar represents the latitude.



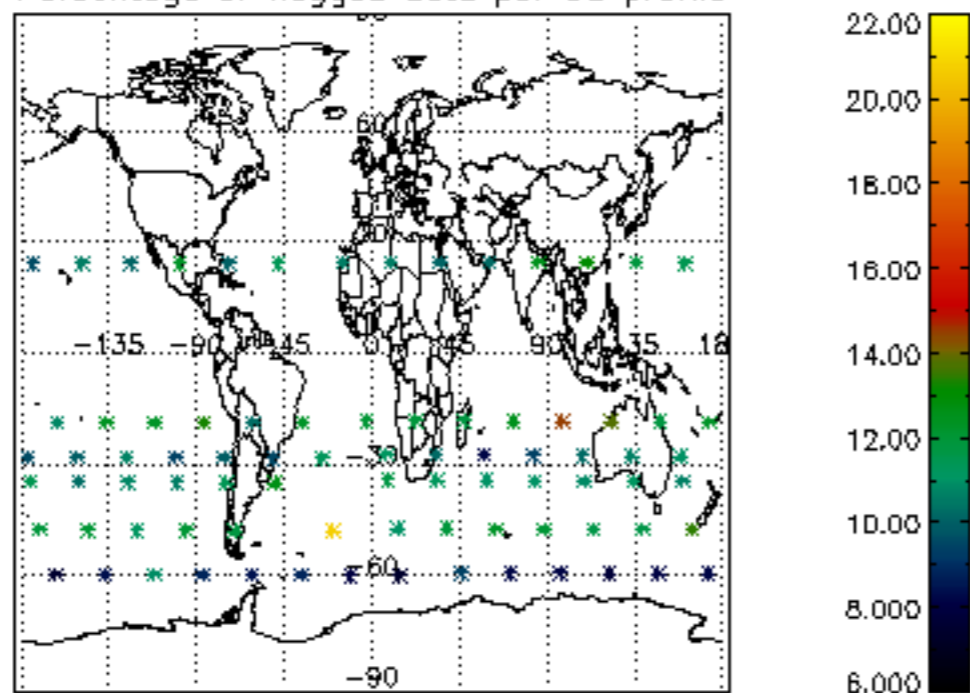
## 6. Auxiliary Data Files used for the production reported in section 2

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

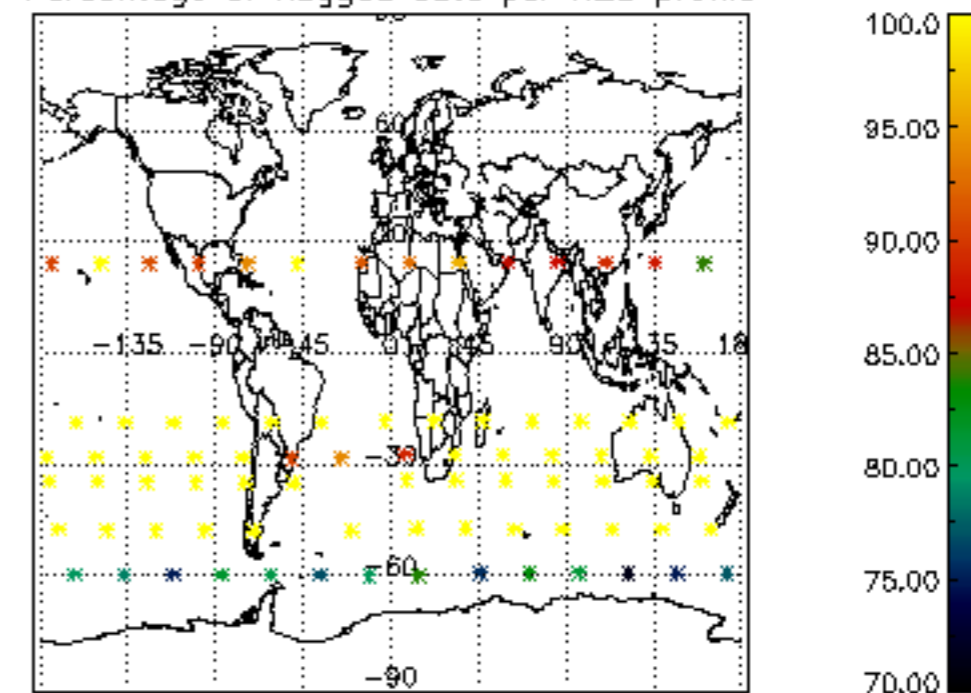
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	25-SEP-2008 00:02:59
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	25-SEP-2008 00:02:59
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	25-SEP-2008 00:02:59



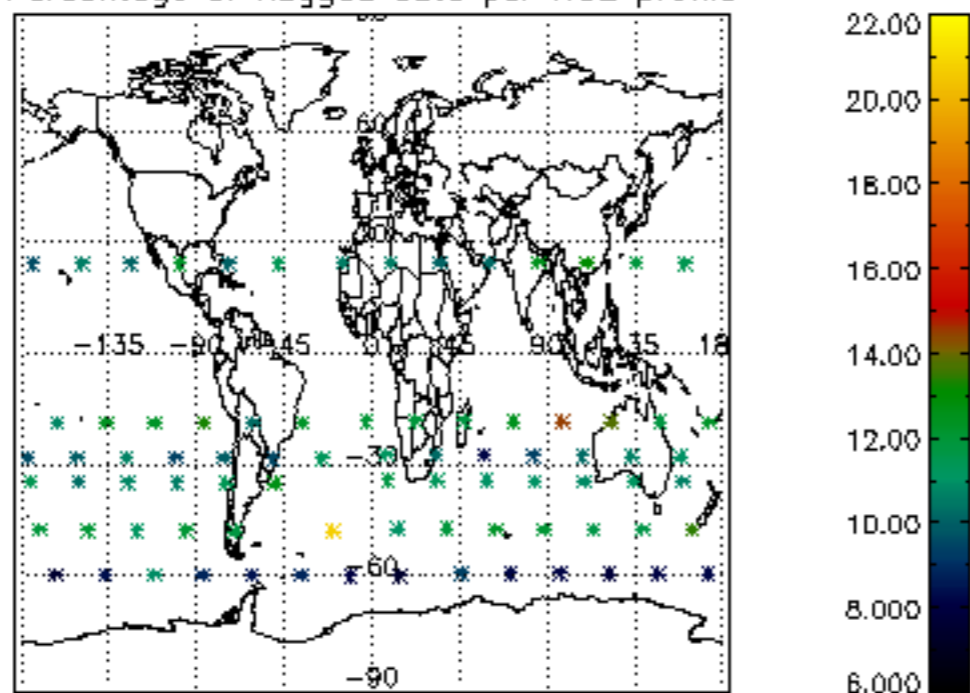
Percentage of flagged data per D3 profile



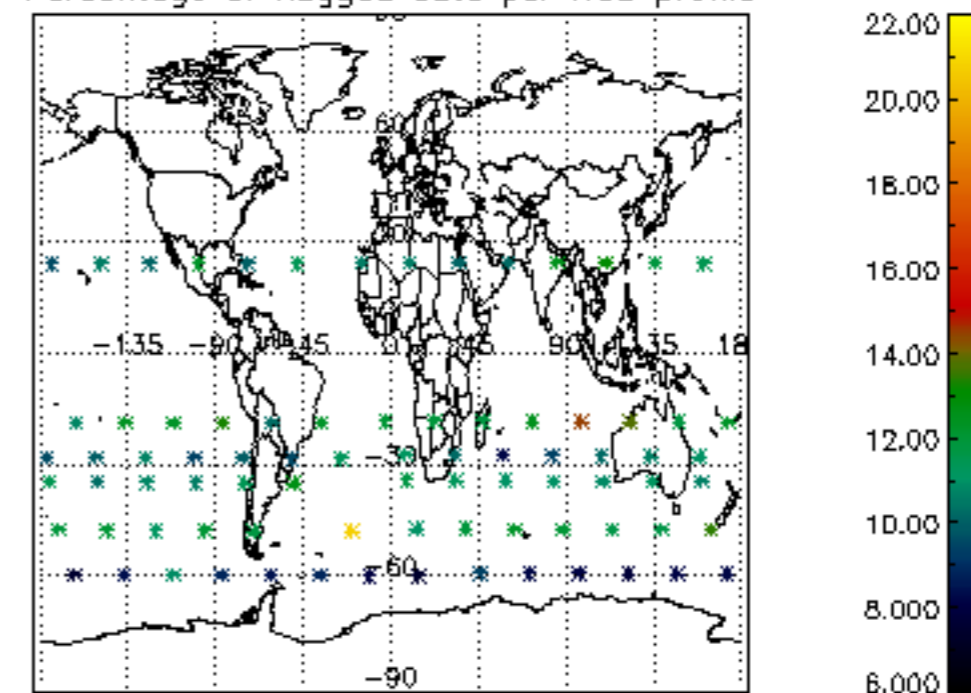
Percentage of flagged data per H2O profile



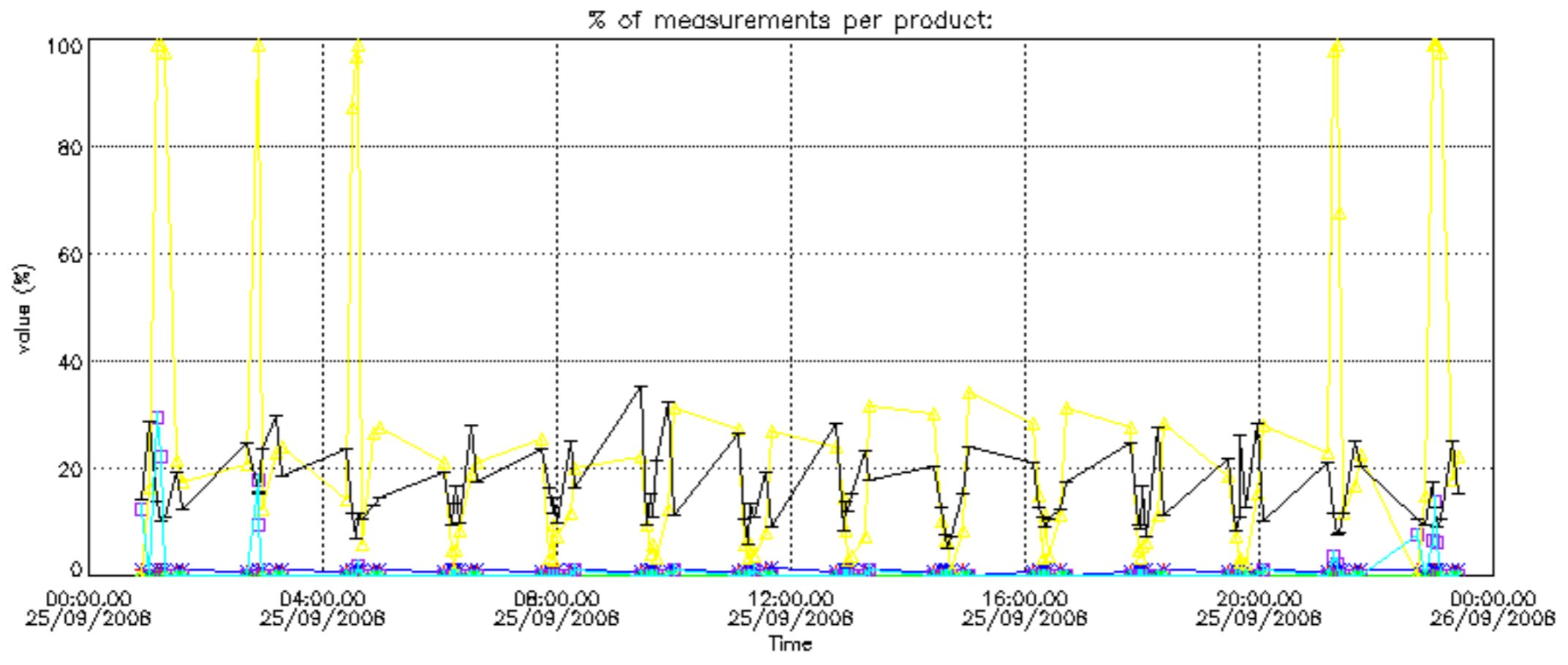
Percentage of flagged data per NO2 profile

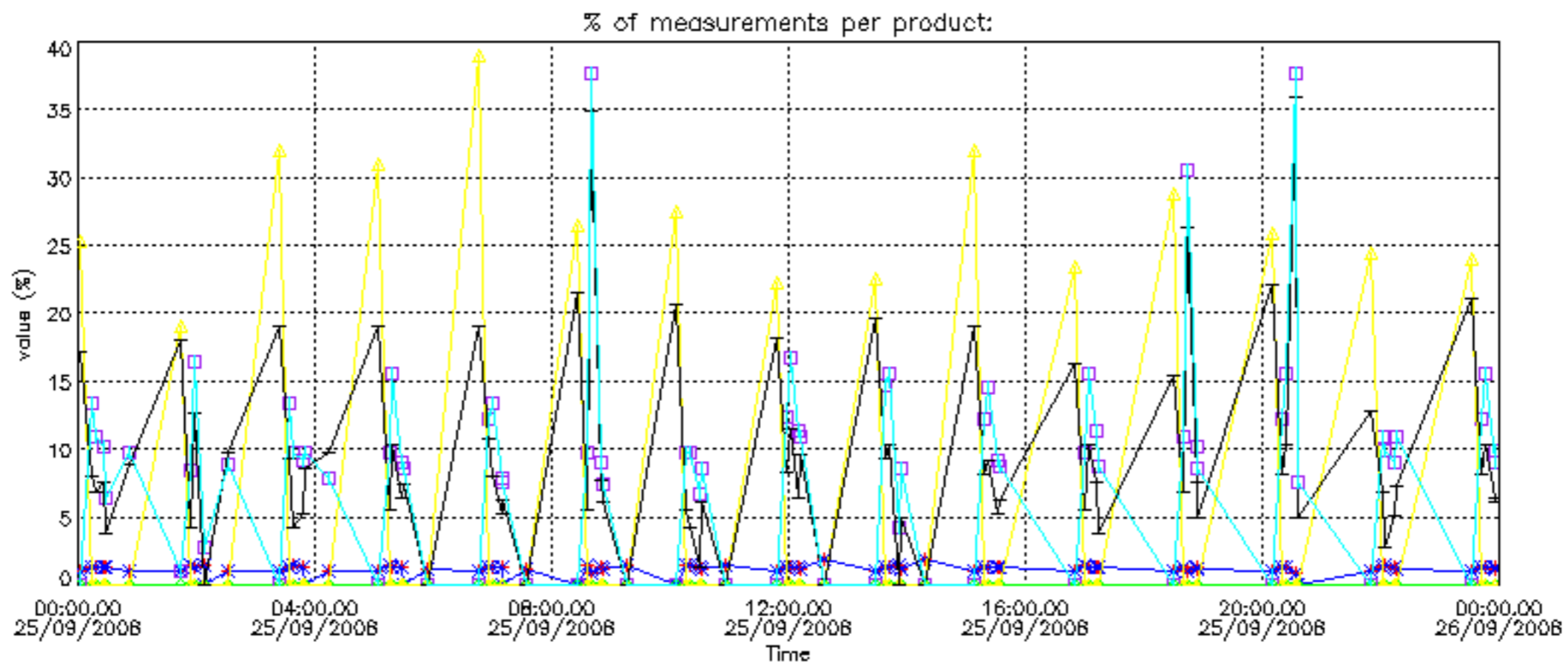


Percentage of flagged data per NO3 profile

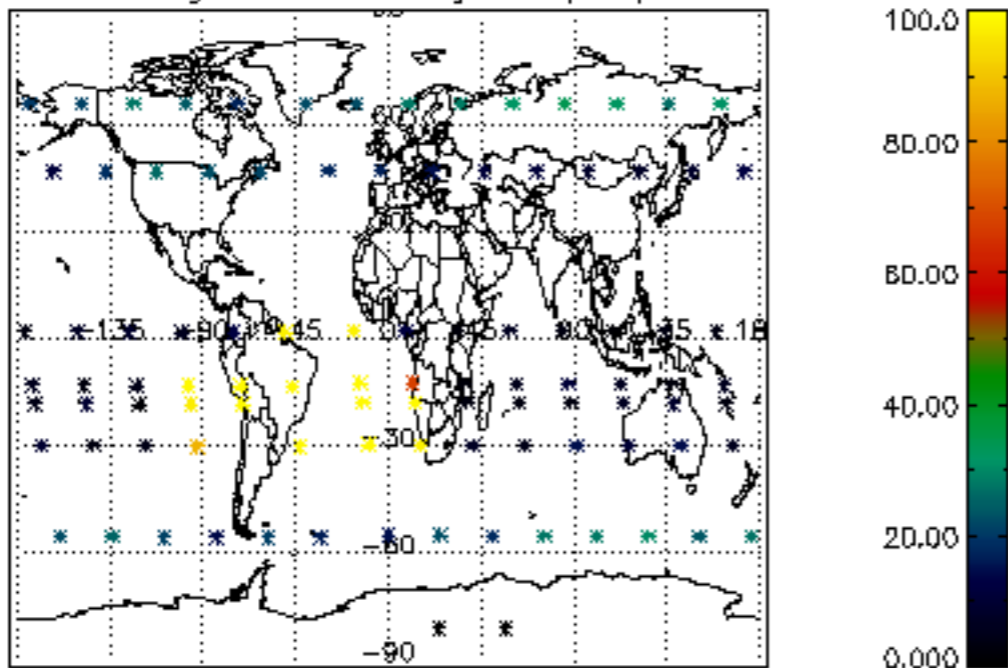




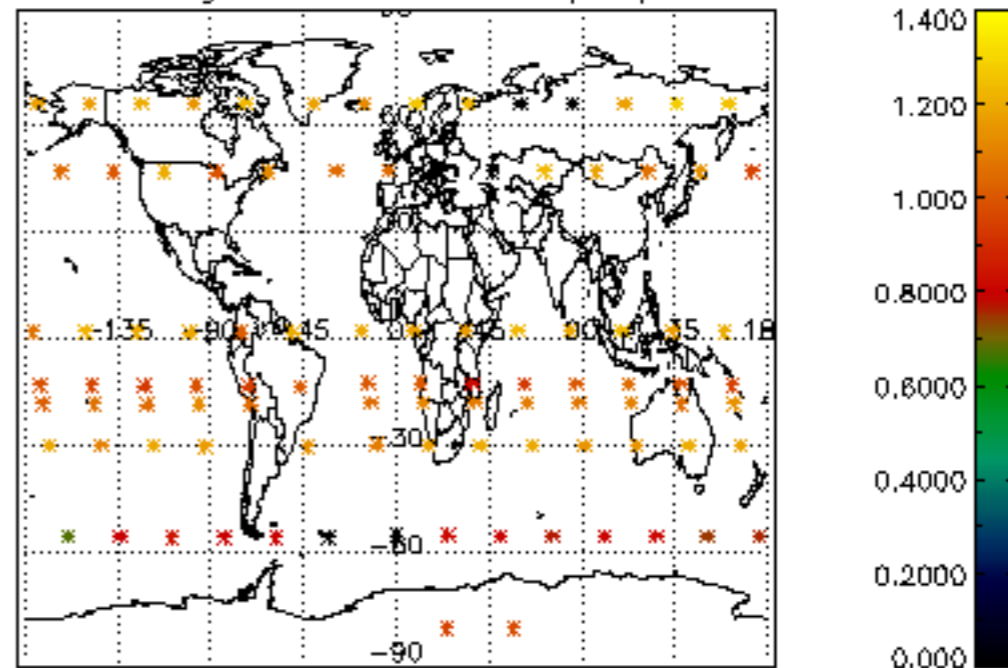




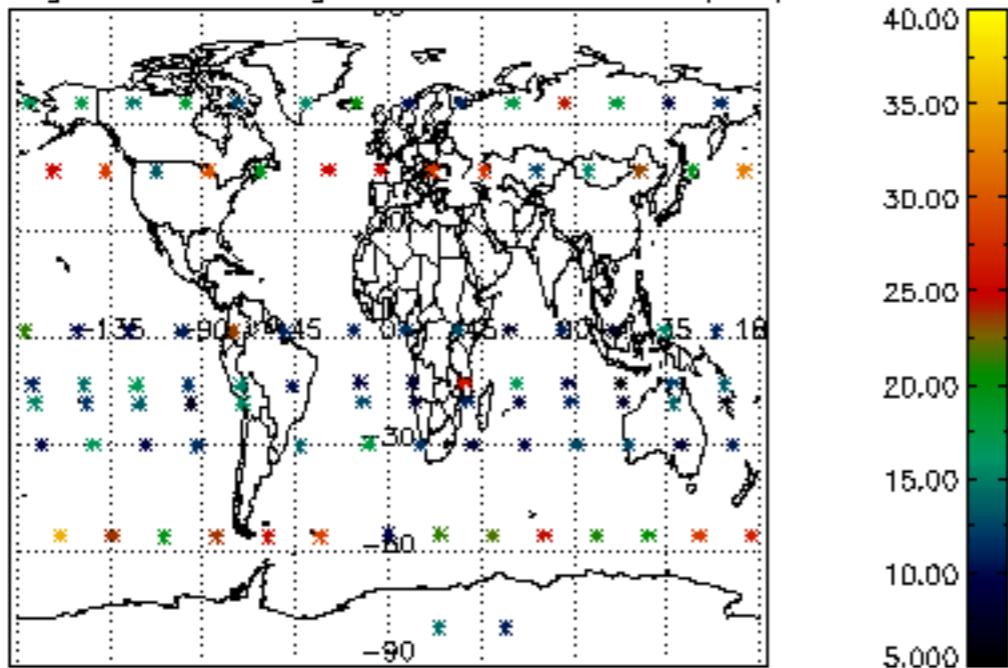
Percentage of cosmic ray hits per profile



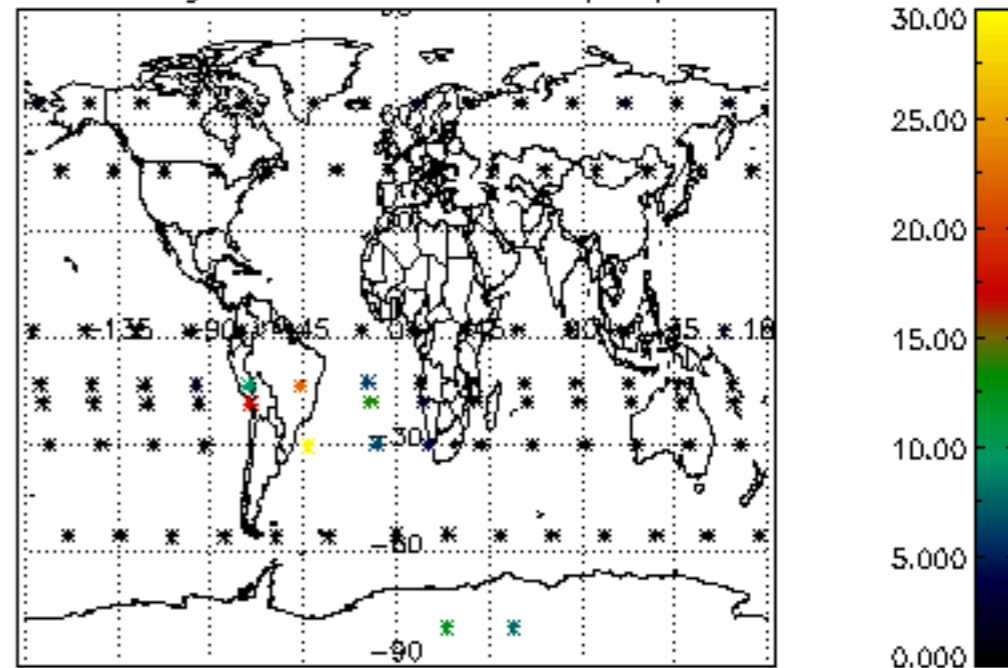
Percentage of datation errors per profile



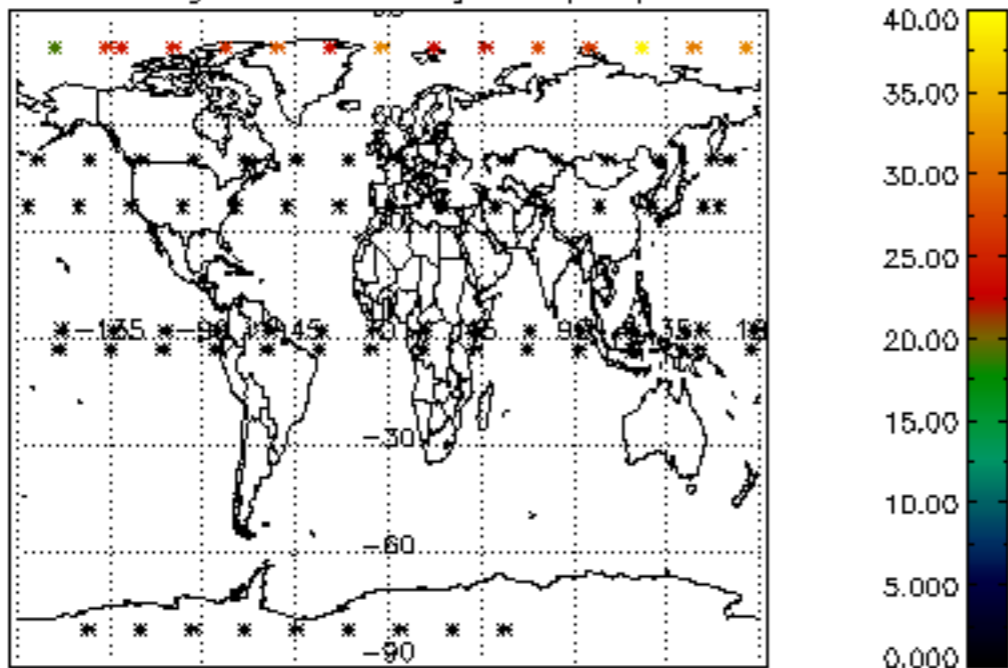
Percentage of star falling outside central band per profile



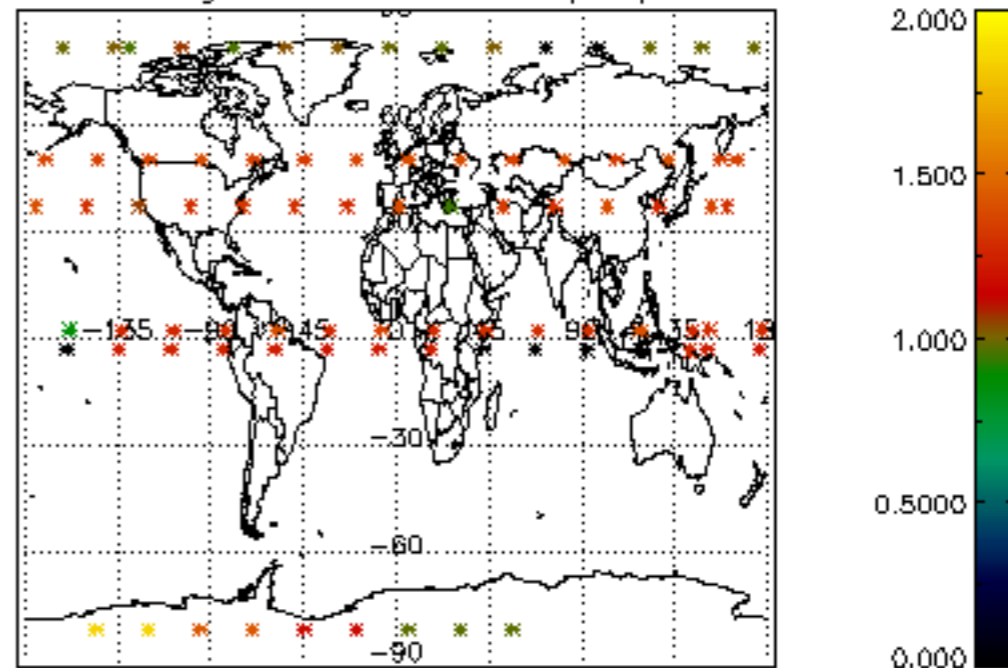
Percentage of saturation errors per profile



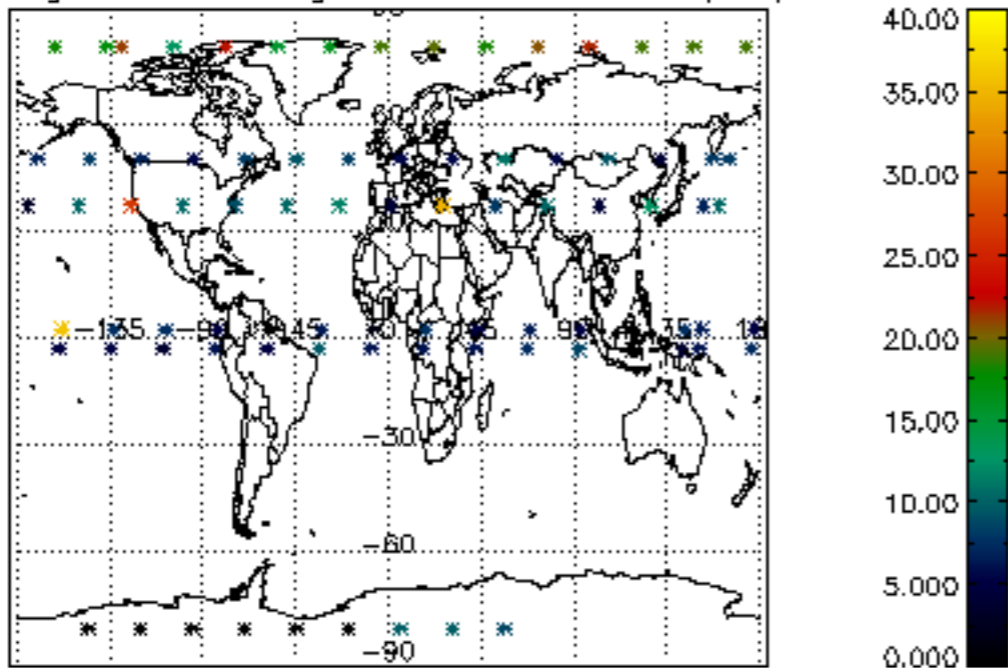
Percentage of cosmic ray hits per profile



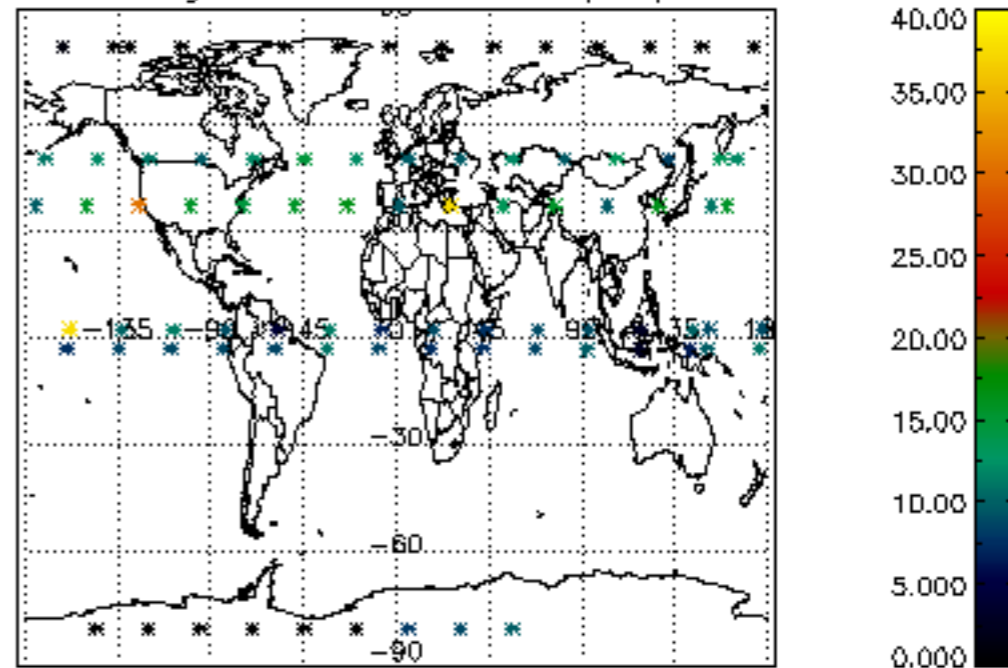
Percentage of datation errors per profile



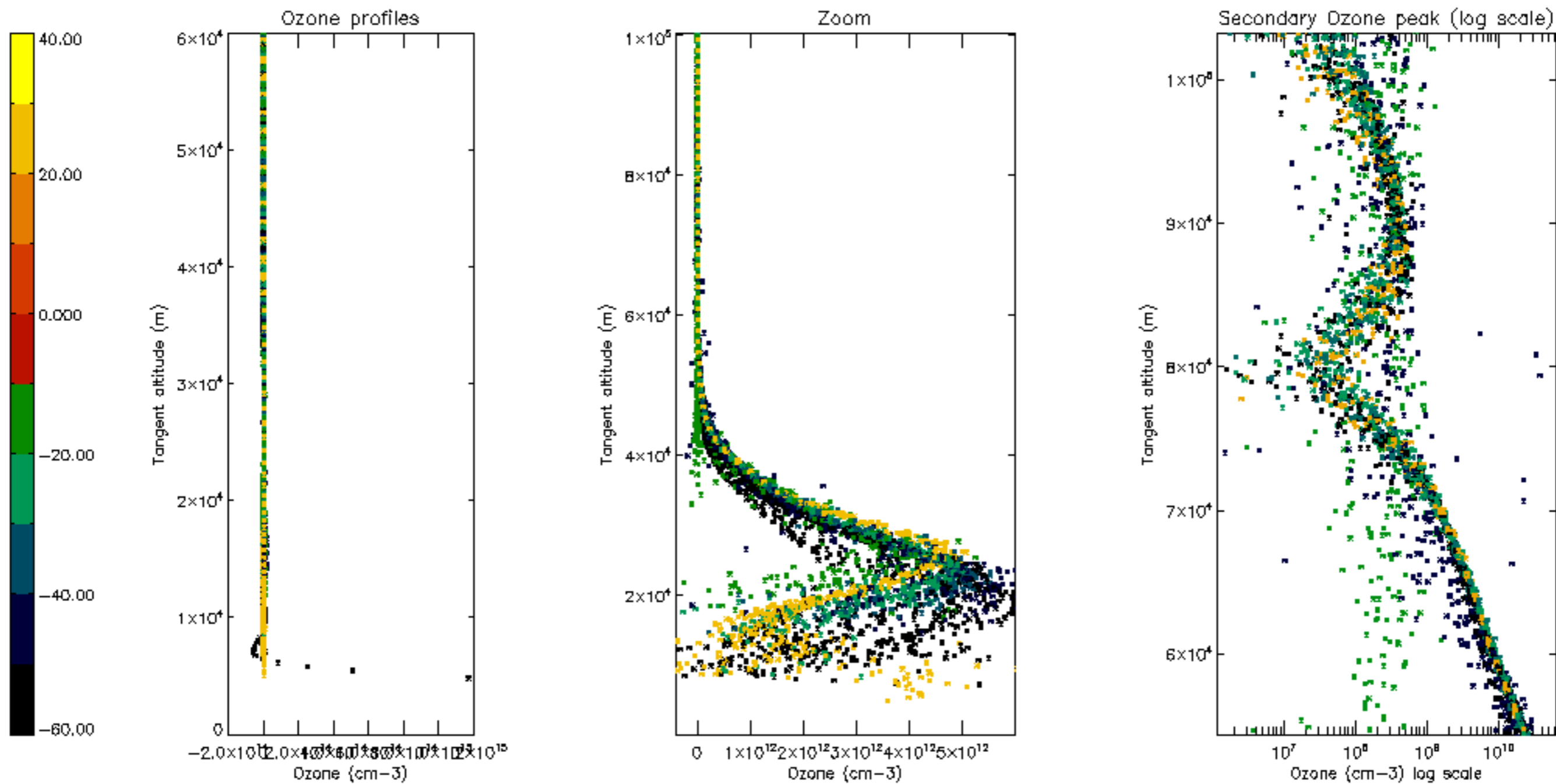
Percentage of star falling outside central band per profile

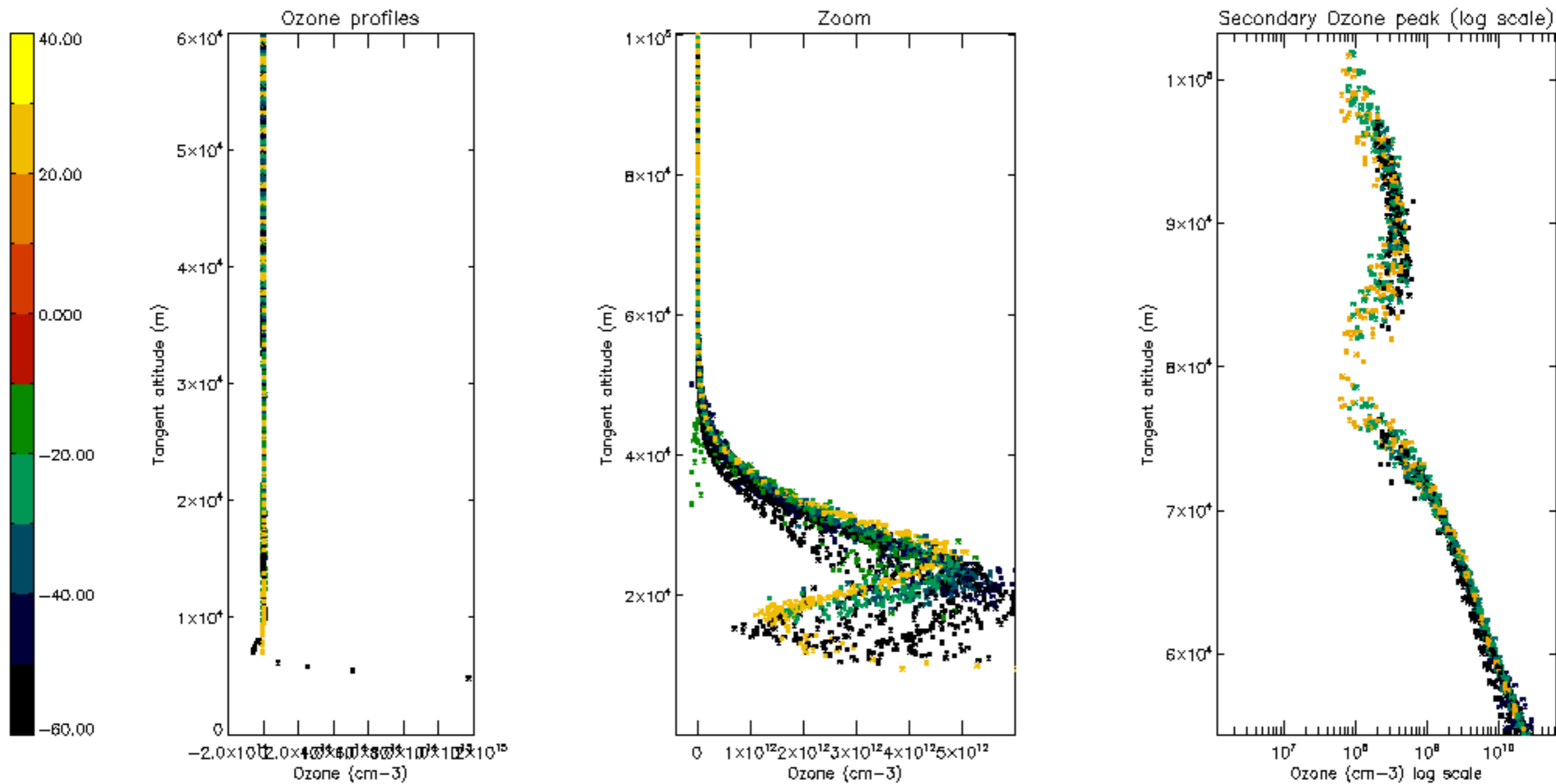


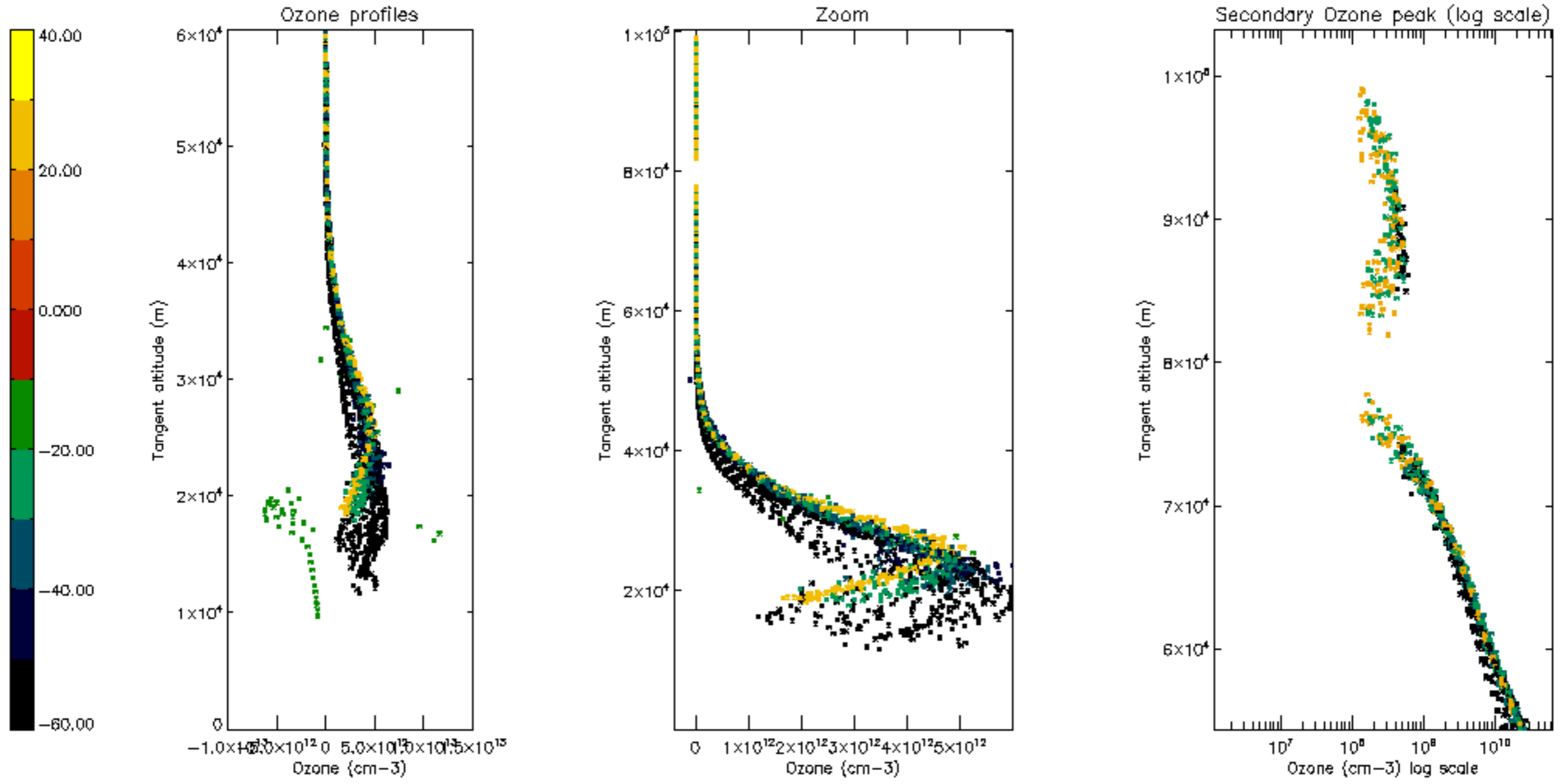
Percentage of saturation errors per profile

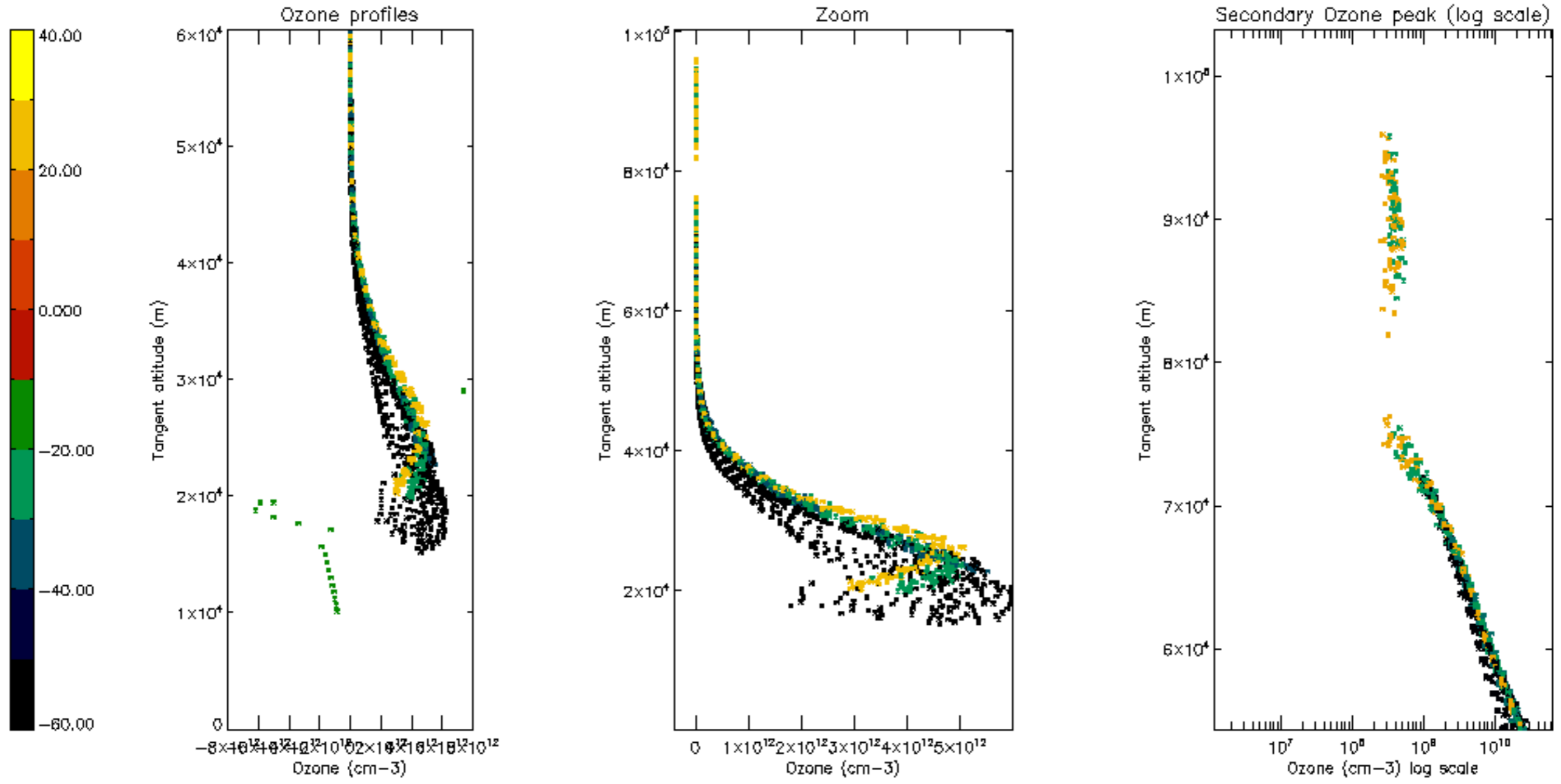




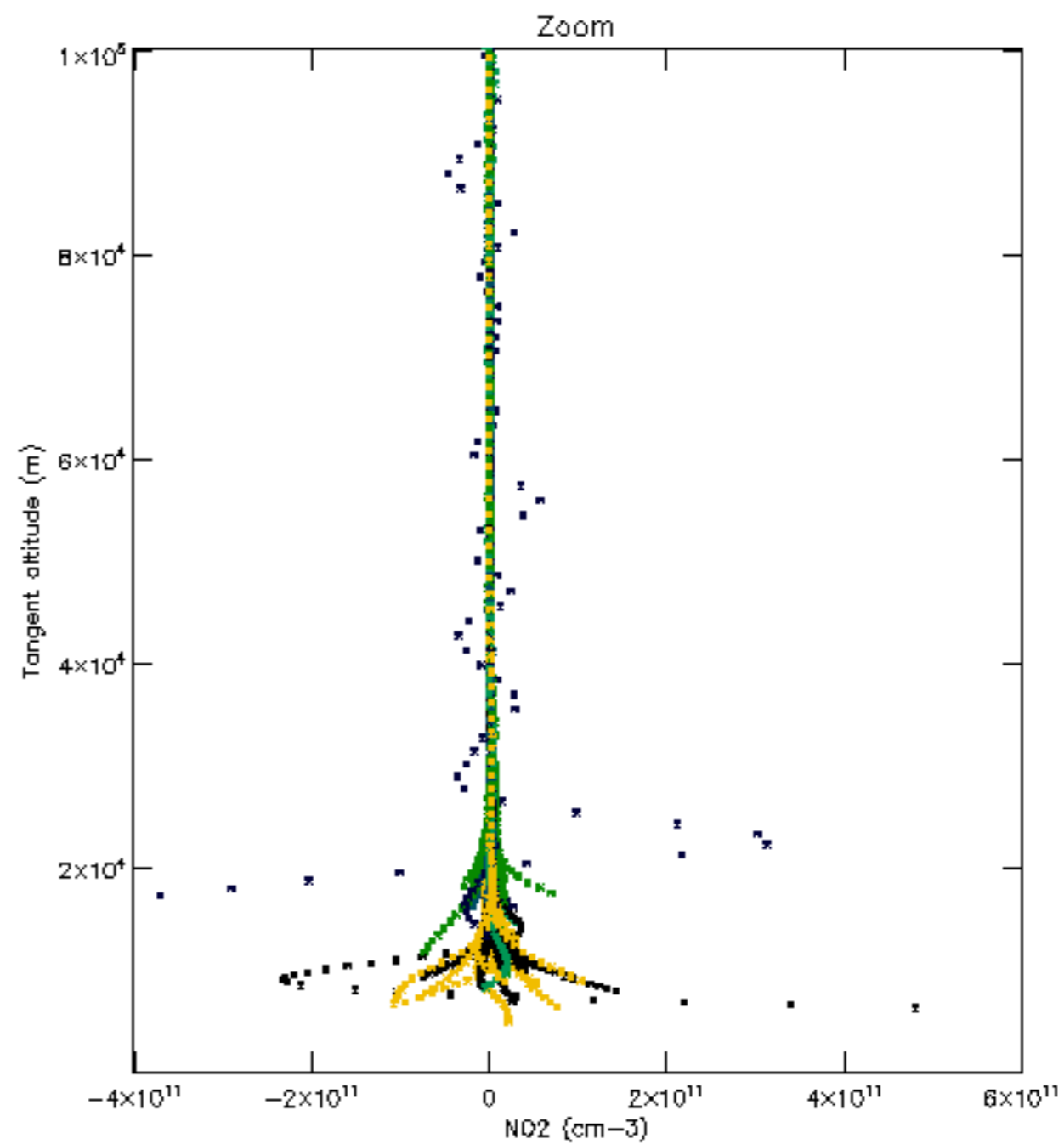
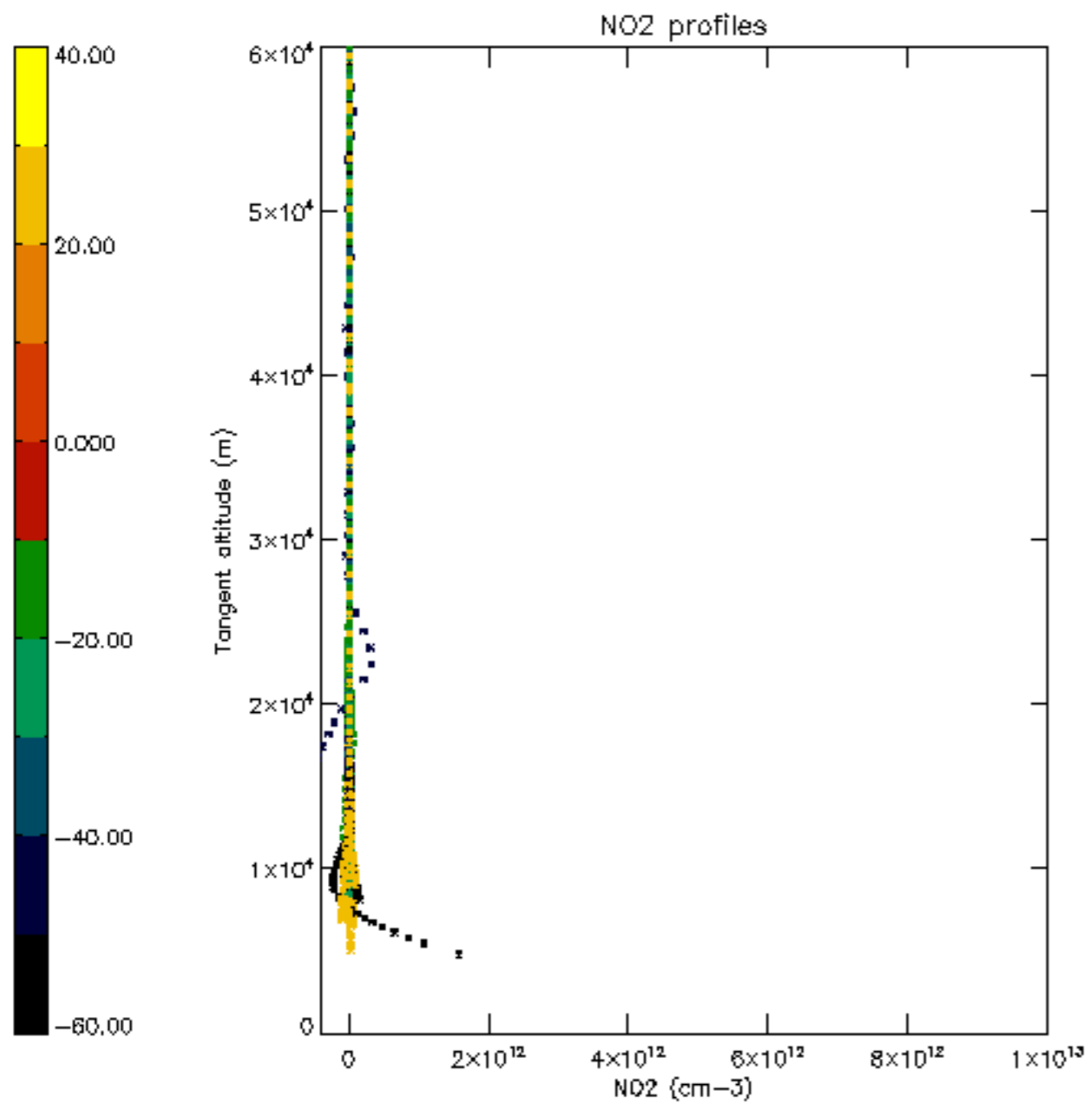


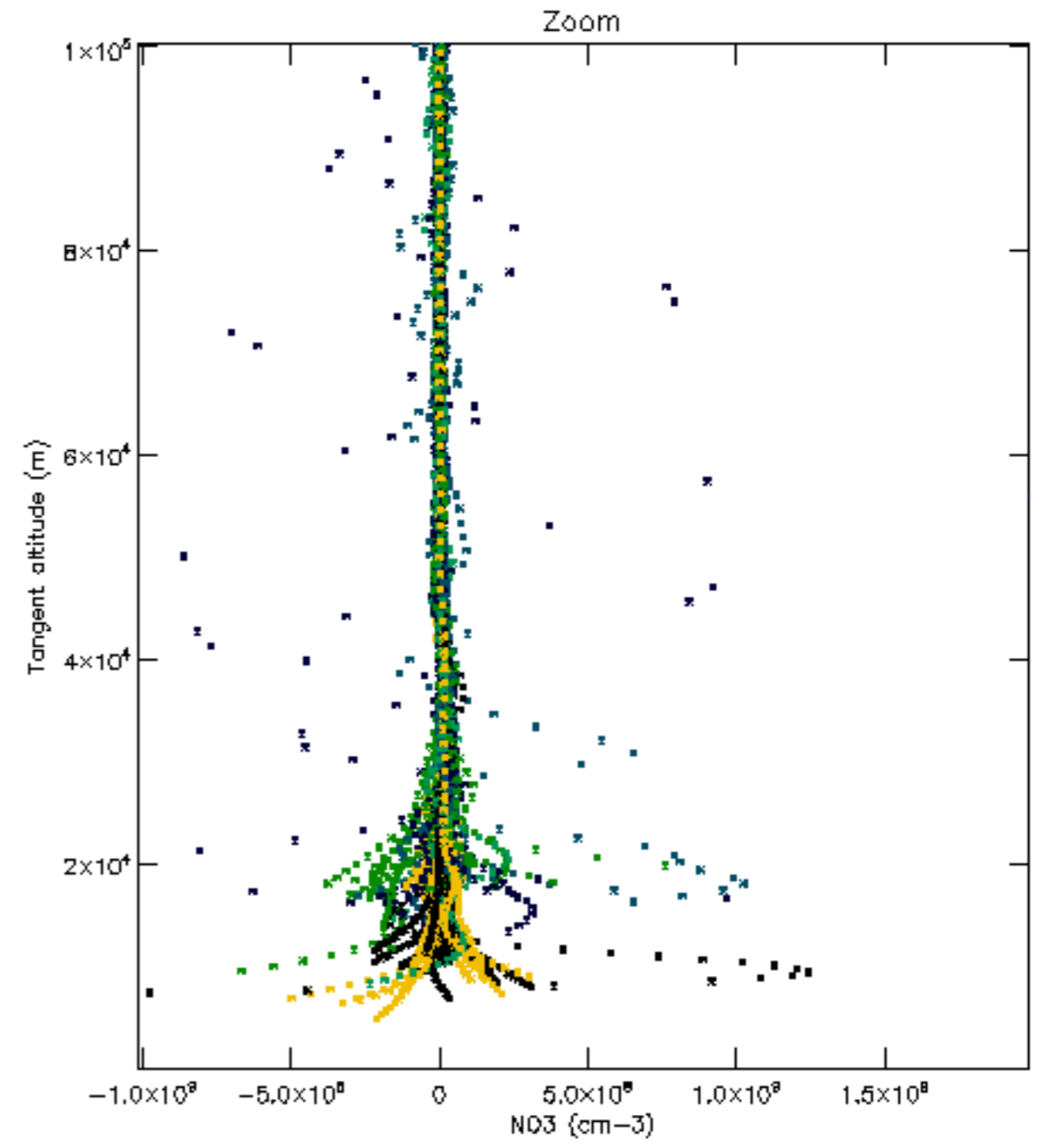
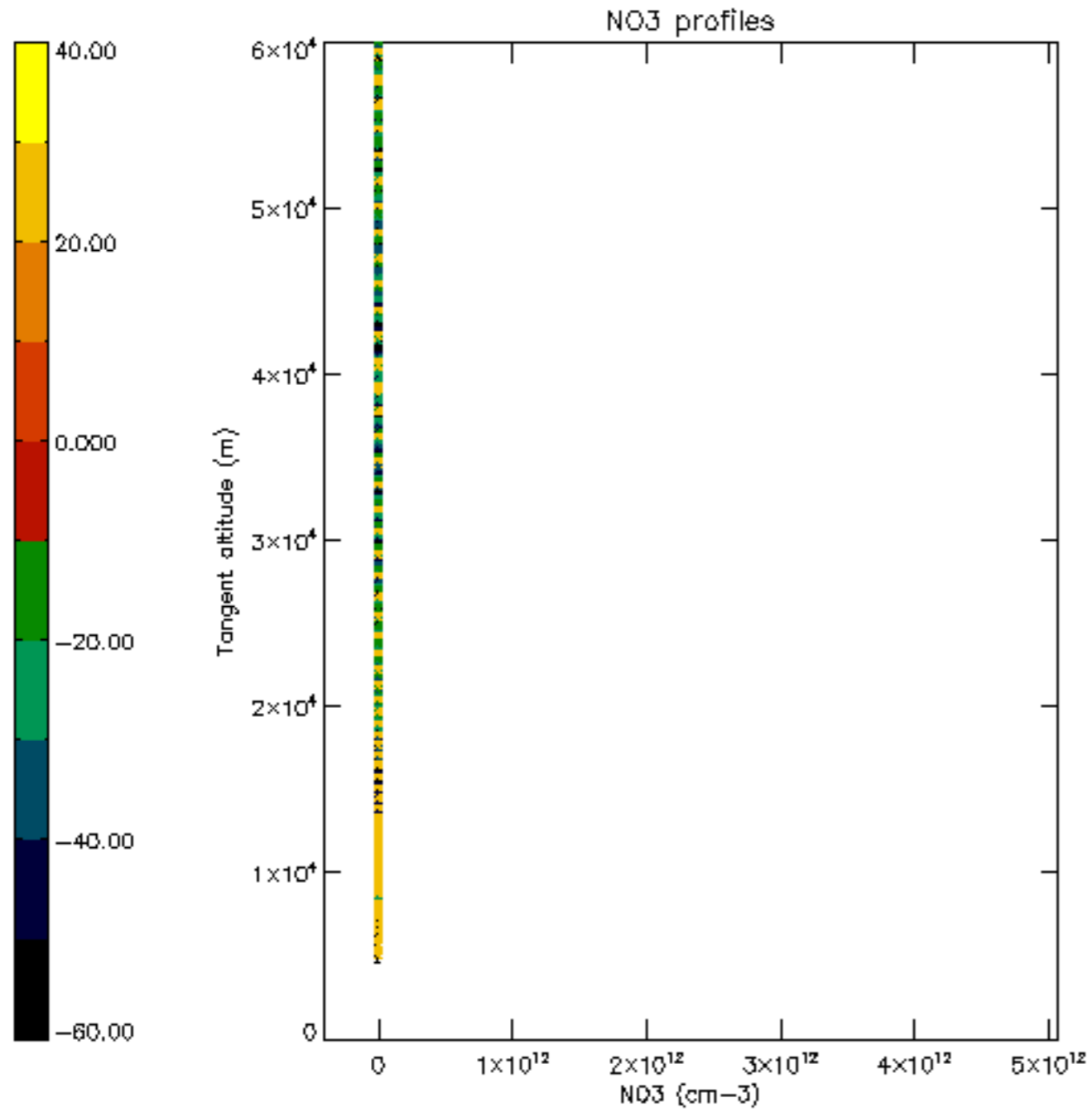


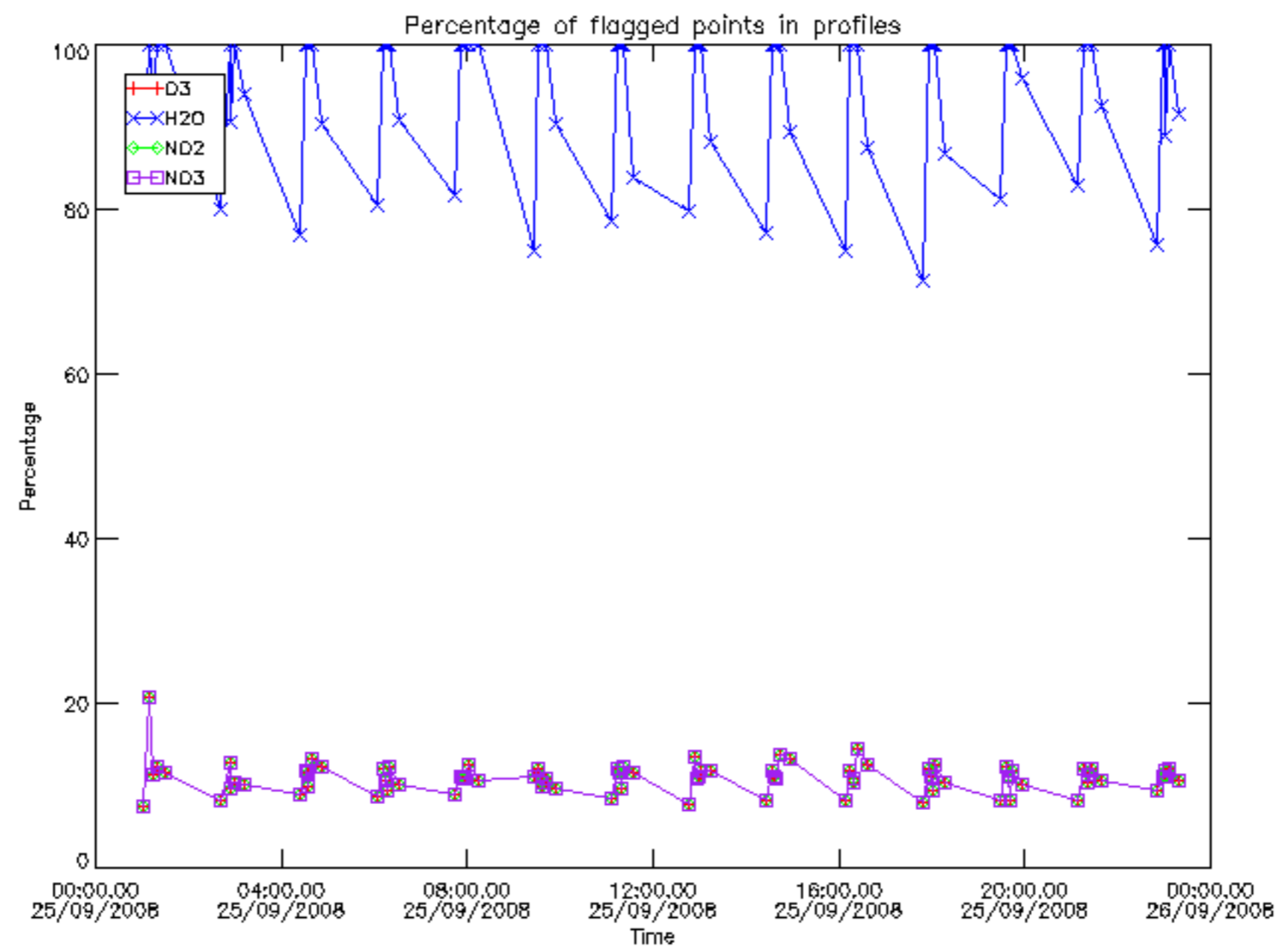




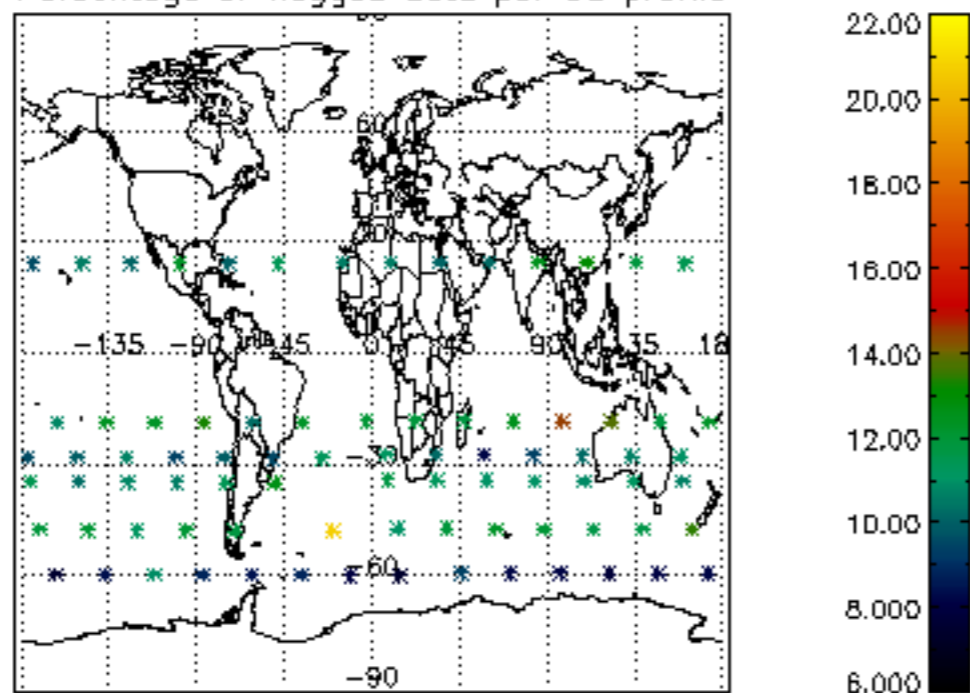




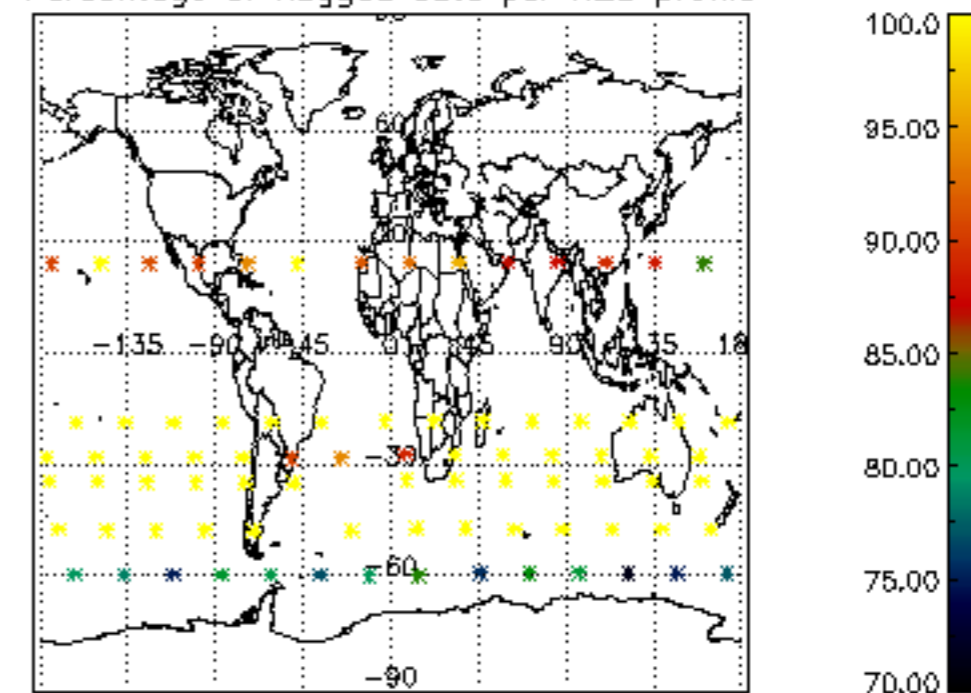




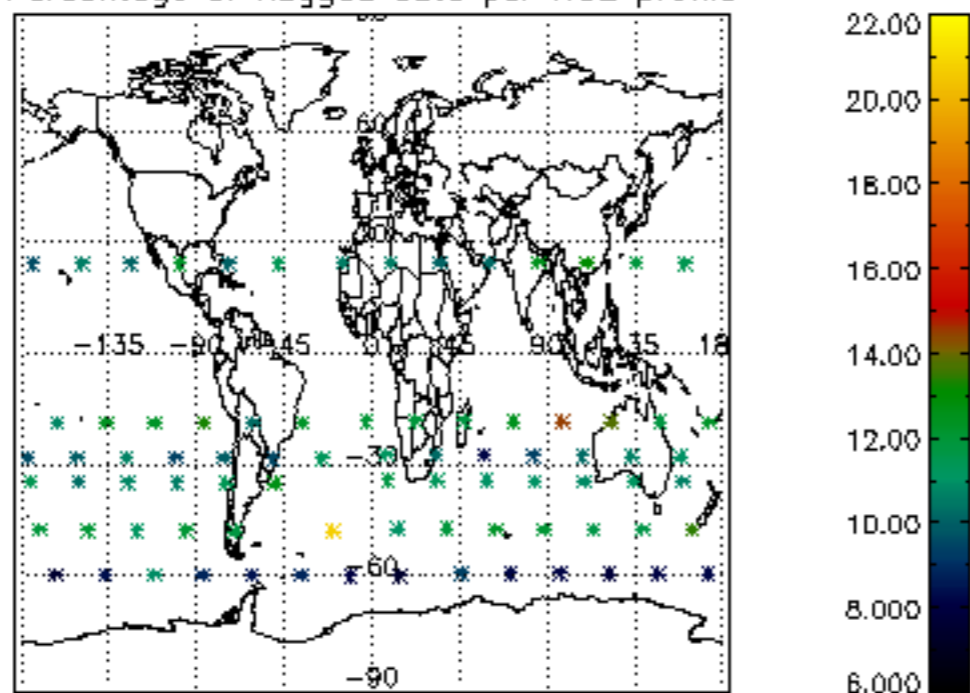
Percentage of flagged data per D3 profile



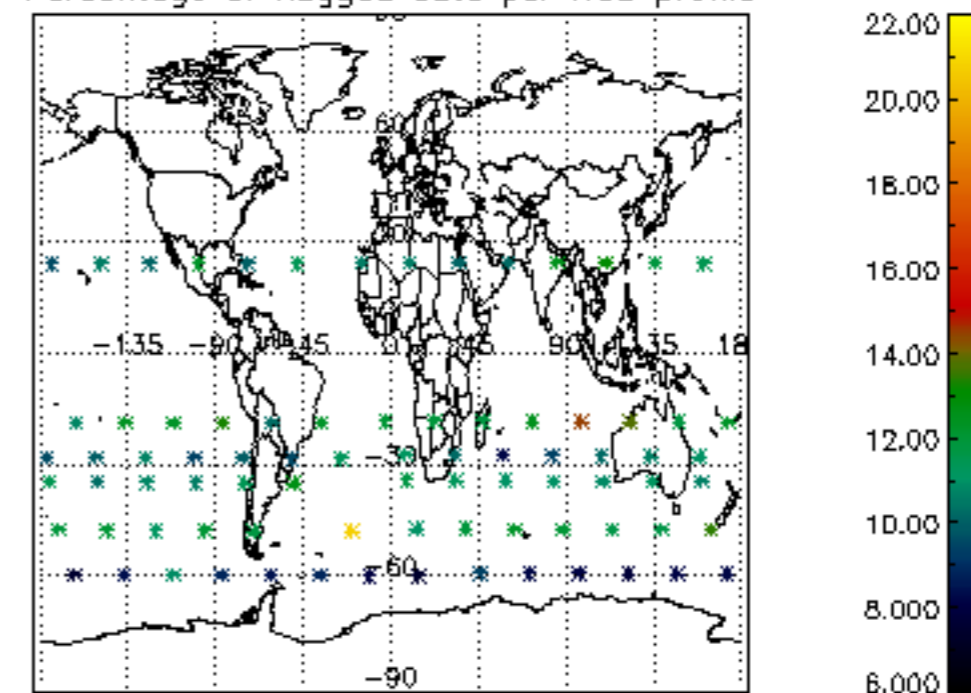
Percentage of flagged data per H2O profile



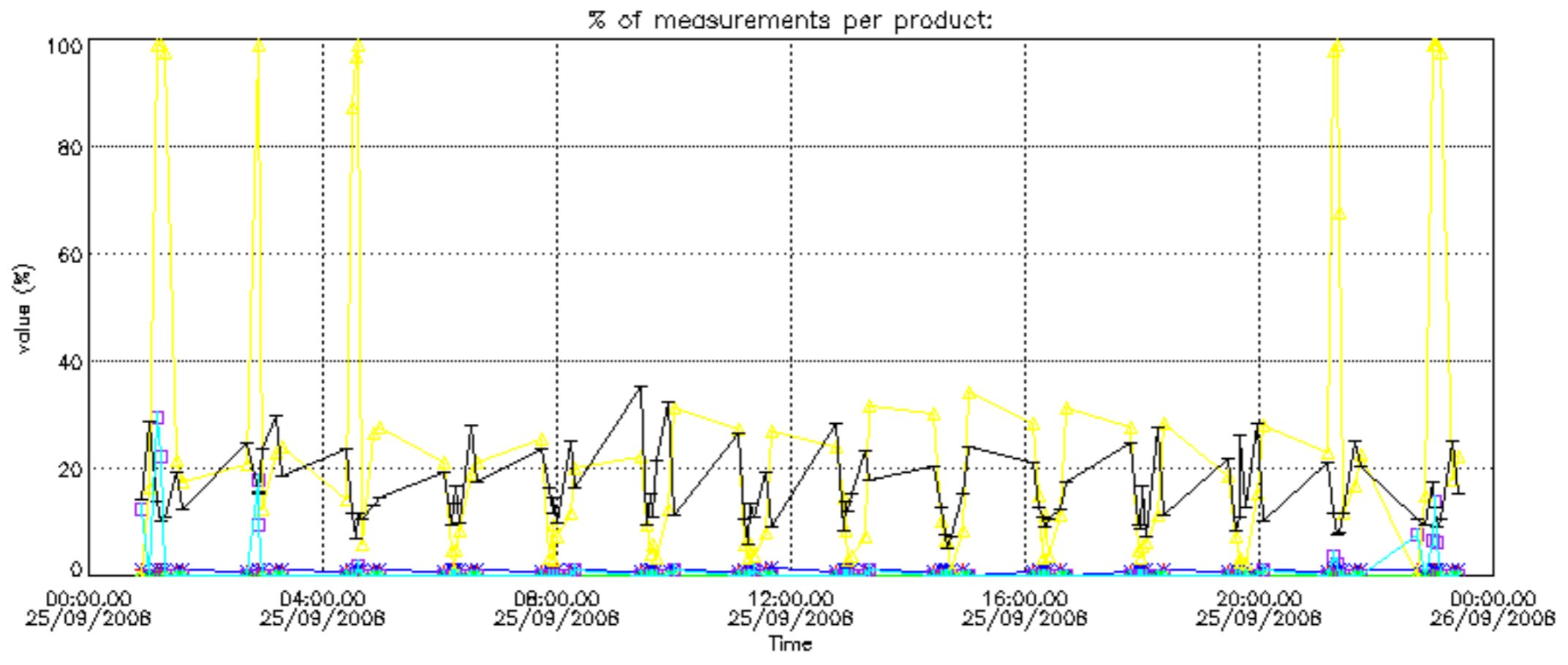
Percentage of flagged data per NO2 profile

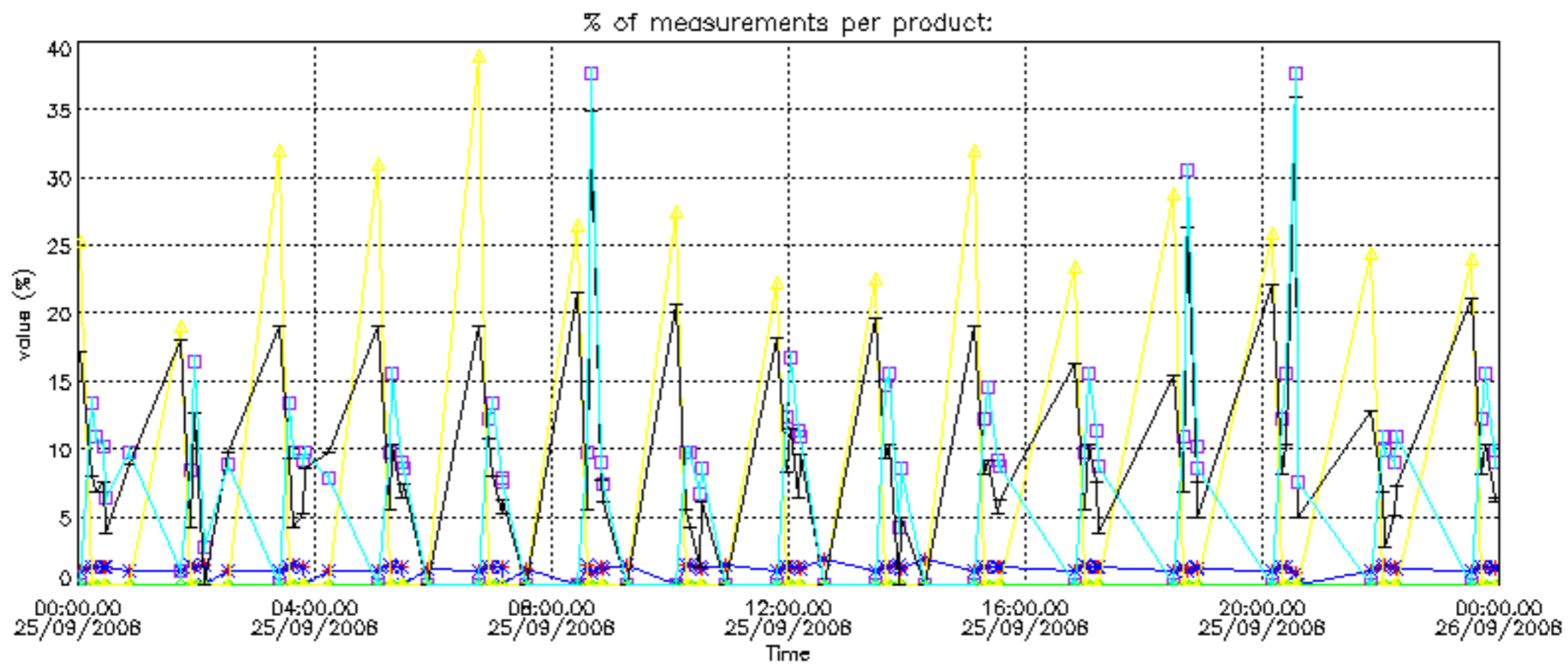


Percentage of flagged data per NO3 profile

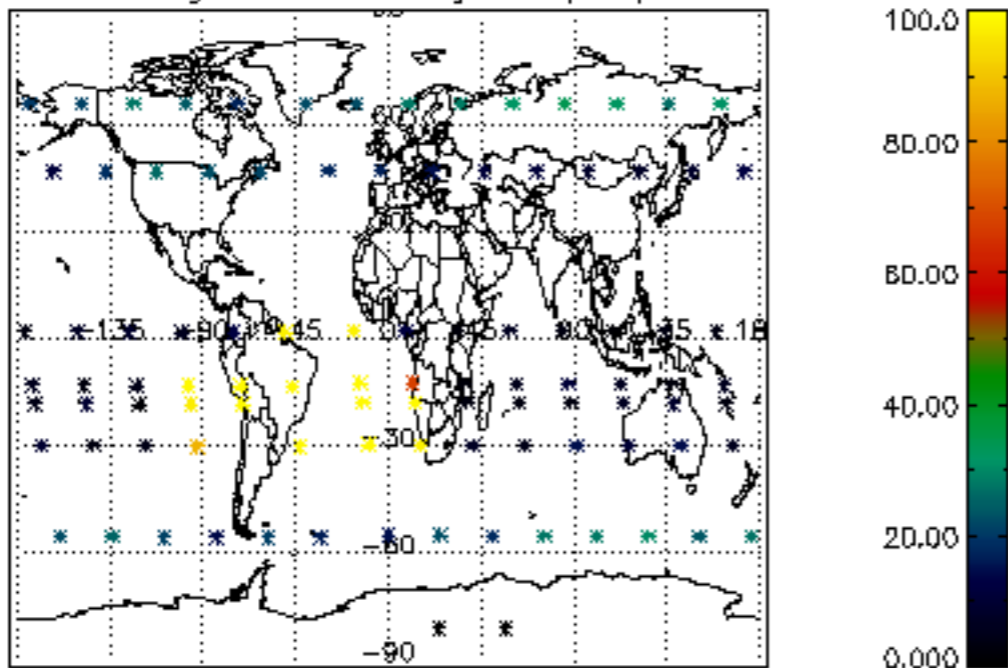




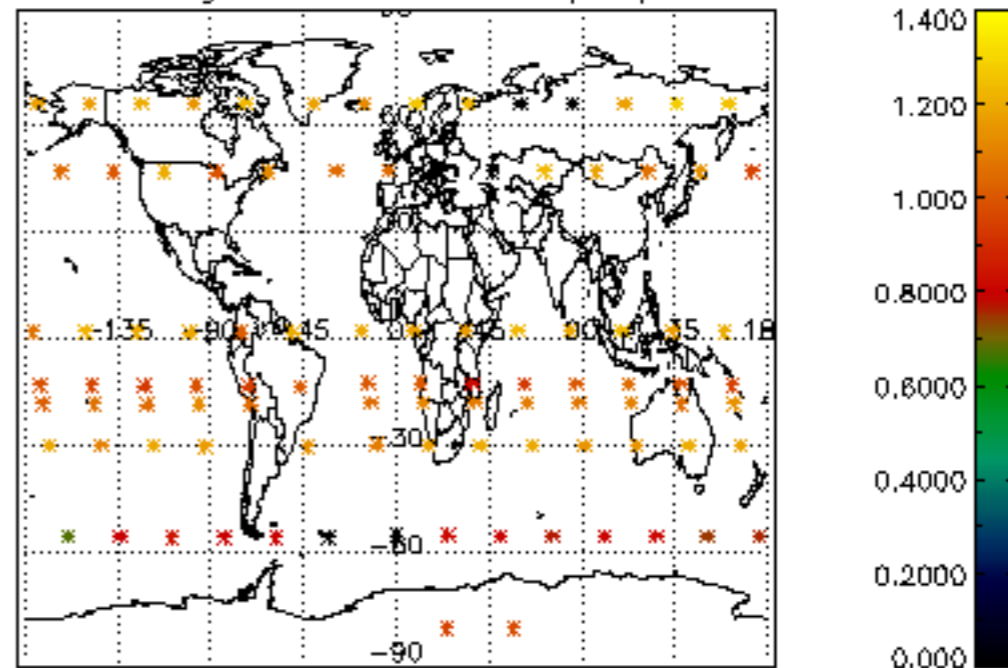




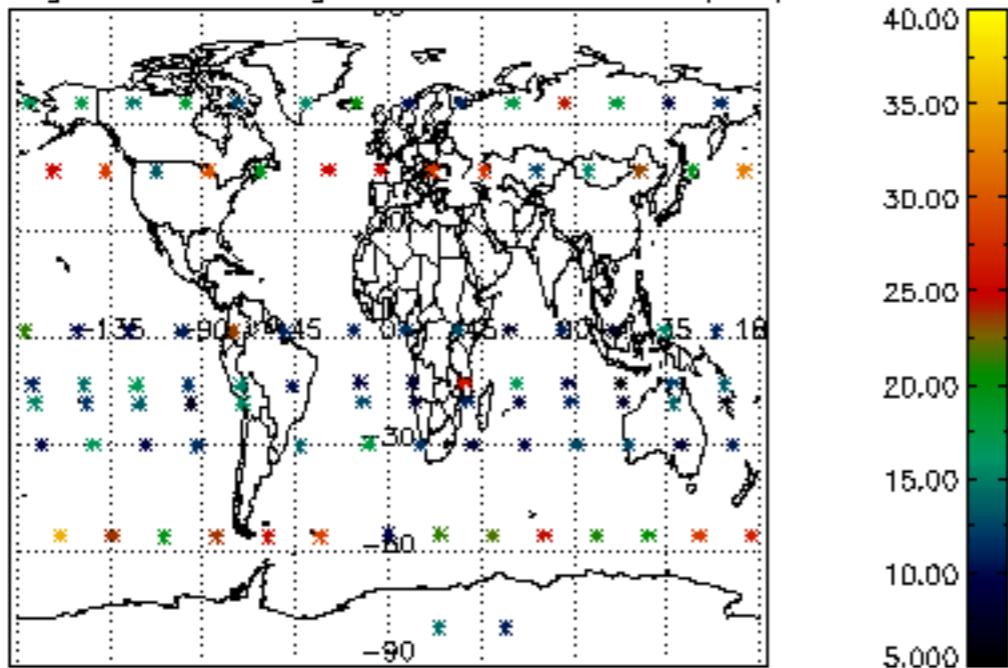
Percentage of cosmic ray hits per profile



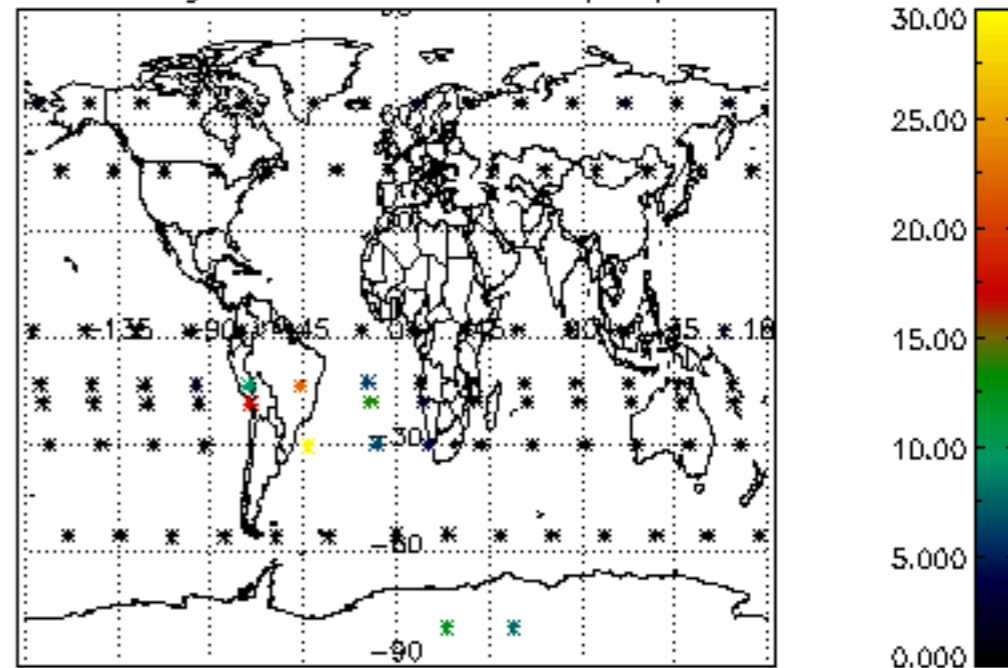
Percentage of datation errors per profile



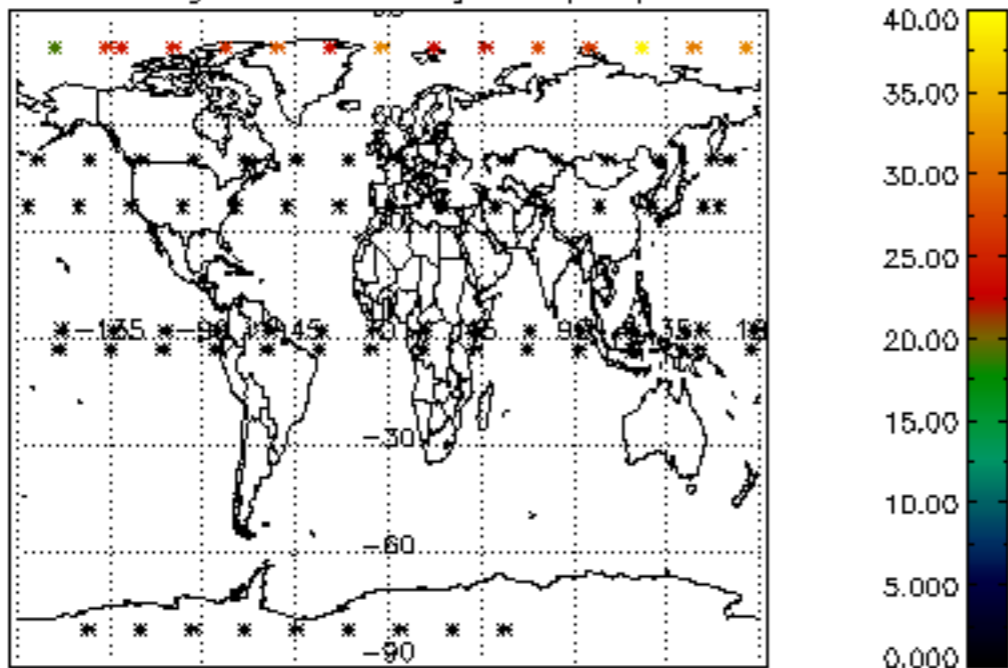
Percentage of star falling outside central band per profile



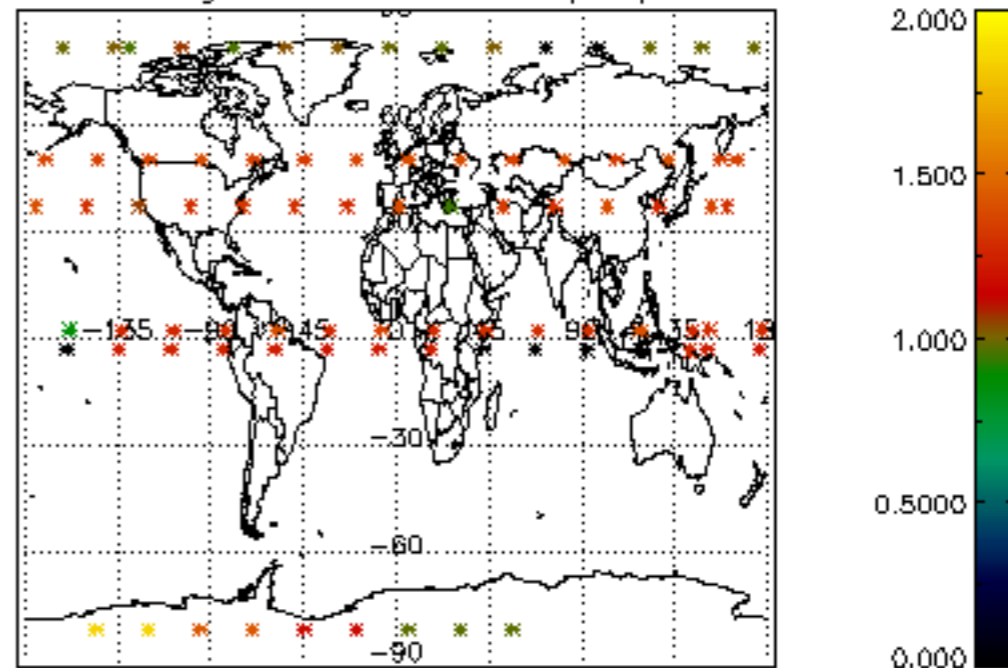
Percentage of saturation errors per profile



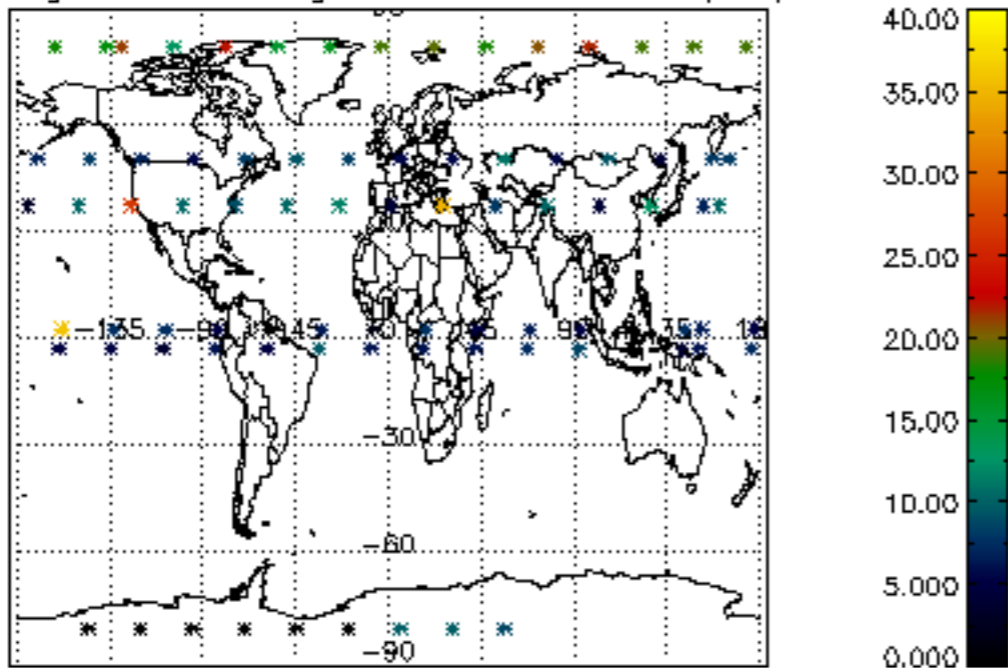
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

