

GOMOS Level 2 Daily Report

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This report presents the daily analysis on parameters extracted from GOMOS level 2 data (GOM_NL__2P). It is intended to monitor some important parameters that will impact the quality of these products. A list of level 2 products (and content) that have arrived during the reporting day to the PCF is also given.

Item	Value
Time of report generation	24APR2013 04:05:24
Data source version	GOMOS/6.01
Start time of products	13-09-2006 (13SEP2006 00:00:00)
Stop time of products	14-09-2006 (14SEP2006 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	108
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__2PRFIN20060913_140315_000000372051_00125_23726_1658.N1	13-SEP-2006 14:03:15	Dark	36.500	135	Bet Hyi	2.8200	5800.0	73	23726	No
2	GOM_NL__2PRFIN20060913_140848_000000372051_00125_23726_1659.N1	13-SEP-2006 14:08:48	Straylight	36.500	148	Alp Tuc	2.8780	4100.0	73	23726	No
3	GOM_NL__2PRFIN20060913_141231_000000422051_00125_23726_1660.N1	13-SEP-2006 14:12:31	Straylight	42.000	31	Alp Gru	1.7340	15200.	84	23726	No
4	GOM_NL__2PRFIN20060913_141518_000000362051_00125_23726_1661.N1	13-SEP-2006 14:15:18	Straylight	36.000	172	Gam Gru	3.0030	13100.	72	23726	No
5	GOM_NL__2PRFIN20060913_141642_000000442051_00125_23726_1662.N1	13-SEP-2006 14:16:42	Straylight	43.500	18	24Alp PsA	1.1660	9700.0	87	23726	No
6	GOM_NL__2PRFIN20060913_142115_000000402051_00125_23726_1663.N1	13-SEP-2006 14:21:15	Tw_i_and_stray	39.500	142	49Del Cap	2.8500	8900.0	79	23726	No
7	GOM_NL__2PRFIN20060913_142531_000000372051_00125_23726_1664.N1	13-SEP-2006 14:25:31	Bright	36.500	162	34Alp Aqr	2.9440	5350.0	73	23726	No
8	GOM_NL__2PRFIN20060913_142830_000000362051_00125_23726_1665.N1	13-SEP-2006 14:28:30	Bright	36.000	61	8Eps Peg	2.1000	3900.0	72	23726	No
9	GOM_NL__2PRFIN20060913_143544_000000352051_00125_23726_1666.N1	13-SEP-2006 14:35:44	Bright	34.500	92	53Eps Cyg	2.5000	4500.0	69	23726	No
10	GOM_NL__2PRFIN20060913_143748_000000352051_00125_23726_1667.N1	13-SEP-2006 14:37:48	Bright	35.000	66	37Gam Cyg	2.2080	5900.0	70	23726	No
11	GOM_NL__2PRFIN20060913_144320_000000352051_00125_23726_1668.N1	13-SEP-2006 14:43:20	Bright	35.000	89	5Alp Cep	2.4510	8000.0	70	23726	No
12	GOM_NL__2PRFIN20060913_145101_000000332051_00125_23726_1669.N1	13-SEP-2006 14:51:01	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	23726	No
13	GOM_NL__2PRFIN20060913_145813_000000372051_00125_23726_1670.N1	13-SEP-2006 14:58:13	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	23726	No
14	GOM_NL__2PRFIN20060913_145939_000000352051_00125_23726_1671.N1	13-SEP-2006 14:59:39	Bright	34.500	82	48Bet UMa	2.3650	10600.	69	23726	No
15	GOM_NL__2PRFIN20060913_152421_000000422051_00125_23726_1672.N1	13-SEP-2006 15:24:21	Dark	41.500	132	15Rho Pup	2.8030	6900.0	83	23726	No
16	GOM_NL__2PRFIN20060913_152832_000000392051_00125_23726_1673.N1	13-SEP-2006 15:28:32	Dark	39.000	70	Zet Pup	2.2460	39000.	78	23726	No
17	GOM_NL__2PRFIN20060913_153308_000000402051_00125_23726_1674.N1	13-SEP-2006 15:33:08	Dark	39.500	161	Tau Pup	2.9310	4500.0	79	23726	No
18	GOM_NL__2PRFIN20060913_153426_000000562051_00126_23727_1658.N1	13-SEP-2006 15:34:26	Dark	55.500	2	Alp Car	-0.73600	7000.0	111	23727	No
19	GOM_NL__2PRFIN20060913_154351_000000372051_00126_23727_1659.N1	13-SEP-2006 15:43:51	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	23727	No
20	GOM_NL__2PRFIN20060913_154924_000000432051_00126_23727_1660.N1	13-SEP-2006 15:49:24	Straylight	43.000	148	Alp Tuc	2.8780	4100.0	86	23727	No
21	GOM_NL__2PRFIN20060913_155307_000000402051_00126_23727_1661.N1	13-SEP-2006 15:53:07	Straylight	40.000	31	Alp Gru	1.7340	15200.	80	23727	No
22	GOM_NL__2PRFIN20060913_155554_000000382051_00126_23727_1662.N1	13-SEP-2006 15:55:54	Straylight	37.500	172	Gam Gru	3.0030	13100.	75	23727	No
23	GOM_NL__2PRFIN20060913_155718_000000442051_00126_23727_1663.N1	13-SEP-2006 15:57:18	Straylight	44.000	18	24Alp PsA	1.1660	9700.0	88	23727	No
24	GOM_NL__2PRFIN20060913_160151_000000402051_00126_23727_1664.N1	13-SEP-2006 16:01:51	Tw_i_and_stray	39.500	142	49Del Cap	2.8500	8900.0	79	23727	No
25	GOM_NL__2PRFIN20060913_160607_000000372051_00126_23727_1665.N1	13-SEP-2006 16:06:07	Bright	37.000	162	34Alp Aqr	2.9440	5350.0	74	23727	No
26	GOM_NL__2PRFIN20060913_160906_000000362051_00126_23727_1666.N1	13-SEP-2006 16:09:06	Bright	36.000	61	8Eps Peg	2.1000	3900.0	72	23727	No
27	GOM_NL__2PRFIN20060913_161620_000000382051_00126_23727_1667.N1	13-SEP-2006 16:16:20	Bright	37.500	92	53Eps Cyg	2.5000	4500.0	75	23727	No
28	GOM_NL__2PRFIN20060913_161825_000000352051_00126_23727_1668.N1	13-SEP-2006 16:18:25	Bright	34.500	66	37Gam Cyg	2.2080	5900.0	69	23727	No
29	GOM_NL__2PRFIN20060913_162356_000000332051_00126_23727_1669.N1	13-SEP-2006 16:23:56	Bright	32.500	89	5Alp Cep	2.4510	8000.0	65	23727	No
30	GOM_NL__2PRFIN20060913_163137_000000352051_00126_23727_1670.N1	13-SEP-2006 16:31:37	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	23727	No
31	GOM_NL__2PRFIN20060913_163849_000000372051_00126_23727_1671.N1	13-SEP-2006 16:38:49	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	23727	No
32	GOM_NL__2PRFIN20060913_164015_000000352051_00126_23727_1672.N1	13-SEP-2006 16:40:15	Bright	35.000	82	48Bet UMa	2.3650	10600.	70	23727	No
33	GOM_NL__2PRFIN20060913_170457_000000412051_00126_23727_1673.N1	13-SEP-2006 17:04:57	Dark	40.500	132	15Rho Pup	2.8030	6900.0	81	23727	No
34	GOM_NL__2PRFIN20060913_170908_000000382051_00126_23727_1674.N1	13-SEP-2006 17:09:08	Dark	37.500	70	Zet Pup	2.2460	39000.	75	23727	No
35	GOM_NL__2PRFIN20060913_171345_000000402051_00126_23727_1675.N1	13-SEP-2006 17:13:45	Dark	39.500	161	Tau Pup	2.9310	4500.0	79	23727	No
36	GOM_NL__2PRFIN20060913_171503_000000552051_00127_23728_1658.N1	13-SEP-2006 17:15:03	Dark	55.000	2	Alp Car	-0.73600	7000.0	110	23728	No
37	GOM_NL__2PRFIN20060913_172427_000000372051_00127_23728_1659.N1	13-SEP-2006 17:24:27	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	23728	No
38	GOM_NL__2PRFIN20060913_173000_000000472051_00127_23728_1660.N1	13-SEP-2006 17:30:00	Straylight	47.000	148	Alp Tuc	2.8780	4100.0	94	23728	No
39	GOM_NL__2PRFIN20060913_173344_000000382051_00127_23728_1661.N1	13-SEP-2006 17:33:44	Straylight	38.000	31	Alp Gru	1.7340	15200.	76	23728	No
40	GOM_NL__2PRFIN20060913_173631_000000392051_00127_23728_1662.N1	13-SEP-2006 17:36:31	Straylight	38.500	172	Gam Gru	3.0030	13100.	77	23728	No
41	GOM_NL__2PRFIN20060913_173754_000000452051_00127_23728_1663.N1	13-SEP-2006 17:37:54	Straylight	45.000	18	24Alp PsA	1.1660	9700.0	90	23728	No
42	GOM_NL__2PRFIN20060913_174227_000000402051_00127_23728_1664.N1	13-SEP-2006 17:42:27	Tw_i_and_stray	40.000	142	49Del Cap	2.8500	8900.0	80	23728	No

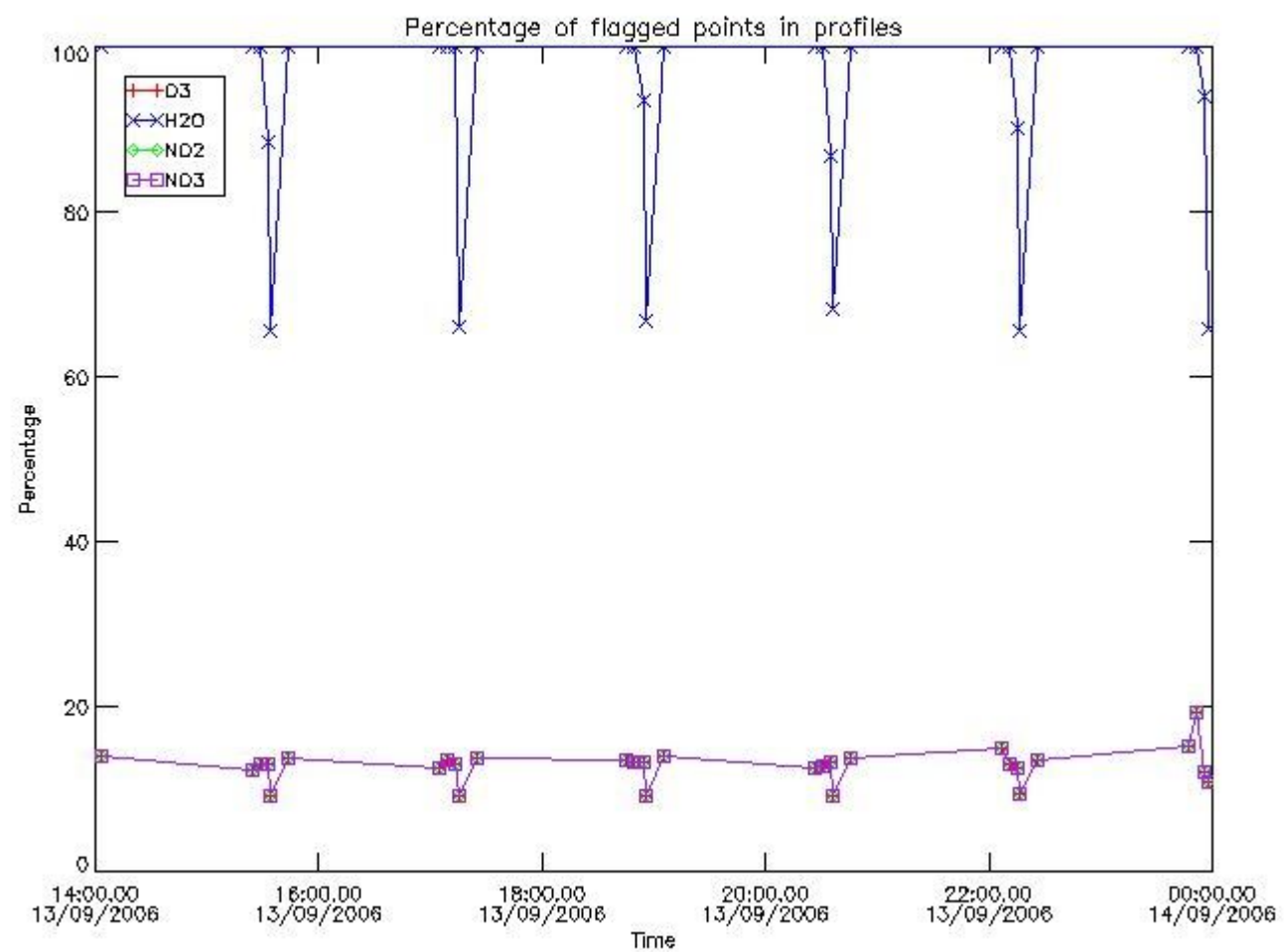
43	GOM_NL__2PRFIN20060913_174643_000000382051_00127_23728_1665.N1	13-SEP-2006 17:46:43	Bright	37.500	162	34Alp Aqr	2.9440	5350.0	75	23728	No
44	GOM_NL__2PRFIN20060913_174942_000000382051_00127_23728_1666.N1	13-SEP-2006 17:49:42	Bright	37.500	61	8Eps Peg	2.1000	3900.0	75	23728	No
45	GOM_NL__2PRFIN20060913_175656_000000342051_00127_23728_1667.N1	13-SEP-2006 17:56:56	Bright	34.000	92	53Eps Cyg	2.5000	4500.0	68	23728	No
46	GOM_NL__2PRFIN20060913_175901_000000372051_00127_23728_1668.N1	13-SEP-2006 17:59:01	Bright	37.000	66	37Gam Cyg	2.2080	5900.0	74	23728	No
47	GOM_NL__2PRFIN20060913_180431_000000522051_00127_23728_1669.N1	13-SEP-2006 18:04:31	Bright	52.000	89	5Alp Cep	2.4510	8000.0	104	23728	No
48	GOM_NL__2PRFIN20060913_181213_000000362051_00127_23728_1670.N1	13-SEP-2006 18:12:13	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	23728	No
49	GOM_NL__2PRFIN20060913_181925_000000352051_00127_23728_1671.N1	13-SEP-2006 18:19:25	Bright	35.000	36	50Alp UMa	1.8000	6300.0	70	23728	No
50	GOM_NL__2PRFIN20060913_182051_000000342051_00127_23728_1672.N1	13-SEP-2006 18:20:51	Bright	33.500	82	48Bet UMa	2.3650	10600.	67	23728	No
51	GOM_NL__2PRFIN20060913_184534_000000422051_00127_23728_1673.N1	13-SEP-2006 18:45:34	Dark	41.500	132	15Rho Pup	2.8030	6900.0	83	23728	No
52	GOM_NL__2PRFIN20060913_184945_000000392051_00127_23728_1674.N1	13-SEP-2006 18:49:45	Dark	38.500	70	Zet Pup	2.2460	39000.	77	23728	No
53	GOM_NL__2PRFIN20060913_185421_000000392051_00127_23728_1675.N1	13-SEP-2006 18:54:21	Dark	38.500	161	Tau Pup	2.9310	4500.0	77	23728	No
54	GOM_NL__2PRFIN20060913_185539_000000562051_00128_23729_1658.N1	13-SEP-2006 18:55:39	Dark	56.000	2	Alp Car	-0.73600	7000.0	112	23729	No
55	GOM_NL__2PRFIN20060913_190503_000000372051_00128_23729_1659.N1	13-SEP-2006 19:05:03	Dark	36.500	135	Bet Hyi	2.8200	5800.0	73	23729	No
56	GOM_NL__2PRFIN20060913_191037_000000382051_00128_23729_1660.N1	13-SEP-2006 19:10:37	Straylight	37.500	148	Alp Tuc	2.8780	4100.0	75	23729	No
57	GOM_NL__2PRFIN20060913_191420_000000422051_00128_23729_1661.N1	13-SEP-2006 19:14:20	Straylight	42.000	31	Alp Gru	1.7340	15200.	84	23729	No
58	GOM_NL__2PRFIN20060913_191707_000000382051_00128_23729_1662.N1	13-SEP-2006 19:17:07	Straylight	37.500	172	Gam Gru	3.0030	13100.	75	23729	No
59	GOM_NL__2PRFIN20060913_191831_000000432051_00128_23729_1663.N1	13-SEP-2006 19:18:31	Straylight	43.000	18	24Alp PsA	1.1660	9700.0	86	23729	No
60	GOM_NL__2PRFIN20060913_192303_000000382051_00128_23729_1664.N1	13-SEP-2006 19:23:03	Twi_and_stray	37.500	142	49Del Cap	2.8500	8900.0	75	23729	No
61	GOM_NL__2PRFIN20060913_192719_000000382051_00128_23729_1665.N1	13-SEP-2006 19:27:19	Bright	37.500	162	34Alp Aqr	2.9440	5350.0	75	23729	No
62	GOM_NL__2PRFIN20060913_193019_000000382051_00128_23729_1666.N1	13-SEP-2006 19:30:19	Bright	38.000	61	8Eps Peg	2.1000	3900.0	76	23729	No
63	GOM_NL__2PRFIN20060913_193732_000000372051_00128_23729_1667.N1	13-SEP-2006 19:37:32	Bright	37.000	92	53Eps Cyg	2.5000	4500.0	74	23729	No
64	GOM_NL__2PRFIN20060913_193937_000000372051_00128_23729_1668.N1	13-SEP-2006 19:39:37	Bright	37.000	66	37Gam Cyg	2.2080	5900.0	74	23729	No
65	GOM_NL__2PRFIN20060913_194507_000000362051_00128_23729_1669.N1	13-SEP-2006 19:45:07	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	23729	No
66	GOM_NL__2PRFIN20060913_195249_000000372051_00128_23729_1670.N1	13-SEP-2006 19:52:49	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	23729	No
67	GOM_NL__2PRFIN20060913_200002_000000352051_00128_23729_1671.N1	13-SEP-2006 20:00:02	Bright	35.000	36	50Alp UMa	1.8000	6300.0	70	23729	No
68	GOM_NL__2PRFIN20060913_200127_000000342051_00128_23729_1672.N1	13-SEP-2006 20:01:27	Bright	34.000	82	48Bet UMa	2.3650	10600.	68	23729	No
69	GOM_NL__2PRFIN20060913_202610_000000412051_00128_23729_1673.N1	13-SEP-2006 20:26:10	Dark	41.000	132	15Rho Pup	2.8030	6900.0	82	23729	No
70	GOM_NL__2PRFIN20060913_203021_000000402051_00128_23729_1674.N1	13-SEP-2006 20:30:21	Dark	40.000	70	Zet Pup	2.2460	39000.	80	23729	No
71	GOM_NL__2PRFIN20060913_203458_000000392051_00128_23729_1675.N1	13-SEP-2006 20:34:58	Dark	38.500	161	Tau Pup	2.9310	4500.0	77	23729	No
72	GOM_NL__2PRFIN20060913_203616_000000562051_00129_23730_1658.N1	13-SEP-2006 20:36:16	Dark	55.500	2	Alp Car	-0.73600	7000.0	111	23730	No
73	GOM_NL__2PRFIN20060913_204539_000000372051_00129_23730_1659.N1	13-SEP-2006 20:45:39	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	23730	No
74	GOM_NL__2PRFIN20060913_205113_000000382051_00129_23730_1660.N1	13-SEP-2006 20:51:13	Straylight	38.000	148	Alp Tuc	2.8780	4100.0	76	23730	No
75	GOM_NL__2PRFIN20060913_205456_000000392051_00129_23730_1661.N1	13-SEP-2006 20:54:56	Straylight	38.500	31	Alp Gru	1.7340	15200.	77	23730	No
76	GOM_NL__2PRFIN20060913_205743_000000382051_00129_23730_1662.N1	13-SEP-2006 20:57:43	Straylight	37.500	172	Gam Gru	3.0030	13100.	75	23730	No
77	GOM_NL__2PRFIN20060913_205907_000000432051_00129_23730_1663.N1	13-SEP-2006 20:59:07	Straylight	42.500	18	24Alp PsA	1.1660	9700.0	85	23730	No
78	GOM_NL__2PRFIN20060913_210339_000000392051_00129_23730_1664.N1	13-SEP-2006 21:03:39	Twi_and_stray	39.000	142	49Del Cap	2.8500	8900.0	78	23730	No
79	GOM_NL__2PRFIN20060913_210755_000000382051_00129_23730_1665.N1	13-SEP-2006 21:07:55	Bright	37.500	162	34Alp Aqr	2.9440	5350.0	75	23730	No
80	GOM_NL__2PRFIN20060913_211055_000000372051_00129_23730_1666.N1	13-SEP-2006 21:10:55	Bright	37.000	61	8Eps Peg	2.1000	3900.0	74	23730	No
81	GOM_NL__2PRFIN20060913_211808_000000342051_00129_23730_1667.N1	13-SEP-2006 21:18:08	Bright	33.500	92	53Eps Cyg	2.5000	4500.0	67	23730	No
82	GOM_NL__2PRFIN20060913_212014_000000362051_00129_23730_1668.N1	13-SEP-2006 21:20:14	Bright	35.500	66	37Gam Cyg	2.2080	5900.0	71	23730	No
83	GOM_NL__2PRFIN20060913_212543_000000522051_00129_23730_1669.N1	13-SEP-2006 21:25:43	Bright	52.000	89	5Alp Cep	2.4510	8000.0	104	23730	No
84	GOM_NL__2PRFIN20060913_213325_000000362051_00129_23730_1670.N1	13-SEP-2006 21:33:25	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	23730	No
85	GOM_NL__2PRFIN20060913_214038_000000332051_00129_23730_1671.N1	13-SEP-2006 21:40:38	Bright	33.000	36	50Alp UMa	1.8000	6300.0	66	23730	No
86	GOM_NL__2PRFIN20060913_214204_000000332051_00129_23730_1672.N1	13-SEP-2006 21:42:04	Bright	33.000	82	48Bet UMa	2.3650	10600.	66	23730	No
87	GOM_NL__2PRFIN20060913_220647_000000412051_00129_23730_1673.N1	13-SEP-2006 22:06:47	Dark	41.000	132	15Rho Pup	2.8030	6900.0	82	23730	No
88	GOM_NL__2PRFIN20060913_221057_000000392051_00129_23730_1674.N1	13-SEP-2006 22:10:57	Dark	39.000	70	Zet Pup	2.2460	39000.	78	23730	No
89	GOM_NL__2PRFIN20060913_221534_000000412051_00129_23730_1675.N1	13-SEP-2006 22:15:34	Dark	40.500	161	Tau Pup	2.9310	4500.0	81	23730	No
90	GOM_NL__2PRFIN20060913_221652_000000542051_00130_23731_1658.N1	13-SEP-2006 22:16:52	Dark	54.000	2	Alp Car	-0.73600	7000.0	108	23731	No
91	GOM_NL__2PRFIN20060913_222615_000000382051_00130_23731_1659.N1	13-SEP-2006 22:26:15	Dark	37.500	135	Bet Hyi	2.8200	5800.0	75	23731	No
92	GOM_NL__2PRFIN20060913_223149_000000392051_00130_23731_1660.N1	13-SEP-2006 22:31:49	Straylight	38.500	148	Alp Tuc	2.8780	4100.0	77	23731	No
93	GOM_NL__2PRFIN20060913_223532_000000422051_00130_23731_1661.N1	13-SEP-2006 22:35:32	Straylight	41.500	31	Alp Gru	1.7340	15200.	83	23731	No
94	GOM_NL__2PRFIN20060913_223819_000000392051_00130_23731_1662.N1	13-SEP-2006 22:38:19	Straylight	39.000	172	Gam Gru	3.0030	13100.	78	23731	No
95	GOM_NL__2PRFIN20060913_223943_000000462051_00130_23731_1663.N1	13-SEP-2006 22:39:43	Straylight	46.000	18	24Alp PsA	1.1660	9700.0	92	23731	No
96	GOM_NL__2PRFIN20060913_224415_000000392051_00130_23731_1664.N1	13-SEP-2006 22:44:15	Twi_and_stray	39.000	142	49Del Cap	2.8500	8900.0	78	23731	No
97	GOM_NL__2PRFIN20060913_224831_000000382051_00130_23731_1665.N1	13-SEP-2006 22:48:31	Bright	37.500	162	34Alp Aqr	2.9440	5350.0	75	23731	No
98	GOM_NL__2PRFIN20060913_225131_000000362051_00130_23731_1666.N1	13-SEP-2006 22:51:31	Bright	35.500	61	8Eps Peg	2.1000	3900.0	71	23731	No
99	GOM_NL__2PRFIN20060913_225845_000000362051_00130_23731_1667.N1	13-SEP-2006 22:58:45	Bright	36.000	92	53Eps Cyg	2.5000	4500.0	72	23731	No
100	GOM_NL__2PRFIN20060913_230050_000000352051_00130_23731_1668.N1	13-SEP-2006 23:00:50	Bright	34.500	66	37Gam Cyg	2.2080	5900.0	69	23731	No
101	GOM_NL__2PRFIN20060913_230619_000000372051_00130_23731_1669.N1	13-SEP-2006 23:06:19	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	23731	No

102	GOM_NL__2PRFIN20060913_231401_000000362051_00130_23731_1670.N1	13-SEP-2006 23:14:01	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	23731	No
103	GOM_NL__2PRFIN20060913_232114_000000372051_00130_23731_1671.N1	13-SEP-2006 23:21:14	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	23731	No
104	GOM_NL__2PRFIN20060913_232240_000000342051_00130_23731_1672.N1	13-SEP-2006 23:22:40	Bright	33.500	82	48Bet UMa	2.3650	10600.	67	23731	No
105	GOM_NL__2PRFIN20060913_234723_000000412051_00130_23731_1673.N1	13-SEP-2006 23:47:23	Dark	40.500	132	15Rho Pup	2.8030	6900.0	81	23731	No
106	GOM_NL__2PRFIN20060913_235134_000000372051_00130_23731_1674.N1	13-SEP-2006 23:51:34	Dark	37.000	70	Zet Pup	2.2460	39000.	74	23731	No
107	GOM_NL__2PRFIN20060913_235611_000000432051_00130_23731_1675.N1	13-SEP-2006 23:56:11	Dark	42.500	161	Tau Pup	2.9310	4500.0	85	23731	No
108	GOM_NL__2PRFIN20060913_235729_000000562051_00131_23732_1658.N1	13-SEP-2006 23:57:29	Dark	56.000	2	Alp Car	-0.73600	7000.0	112	23732	No

3. Quality information per product

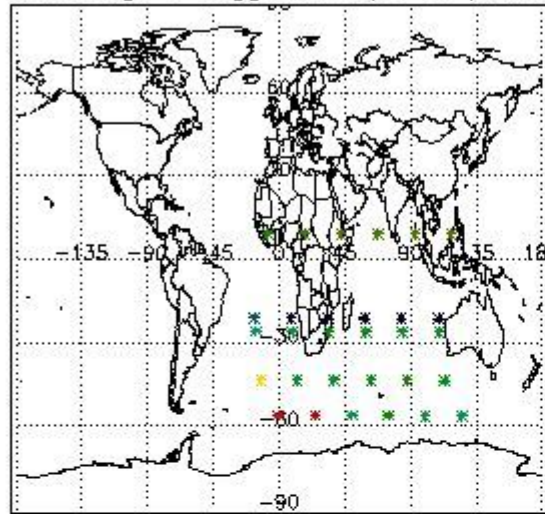
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

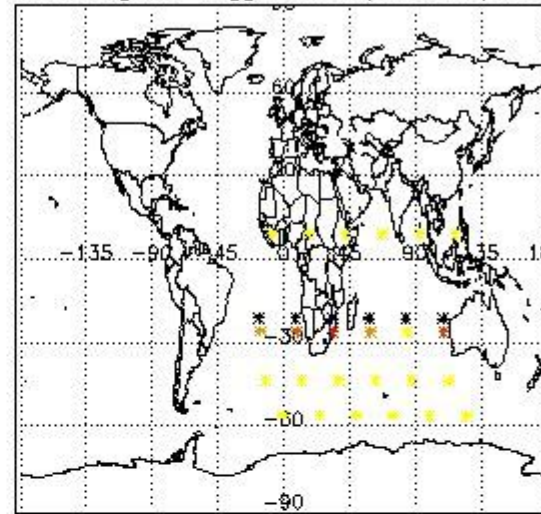


3.2 Plot quality information per product (world map)

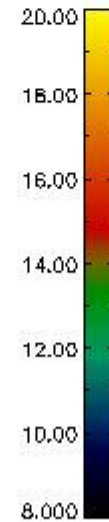
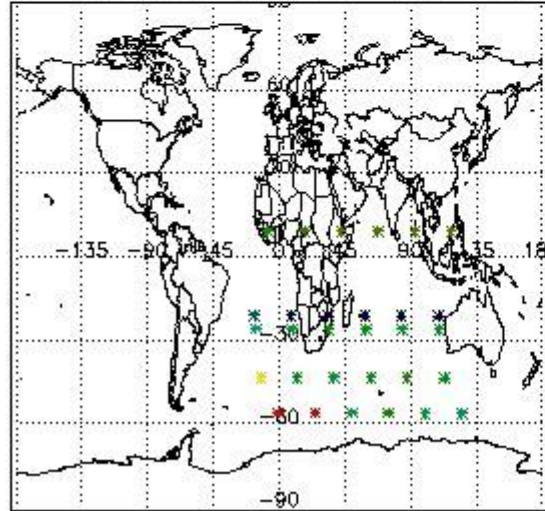
Percentage of flagged data per O3 profile



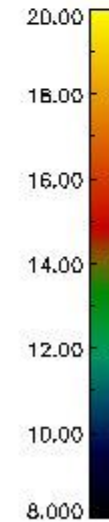
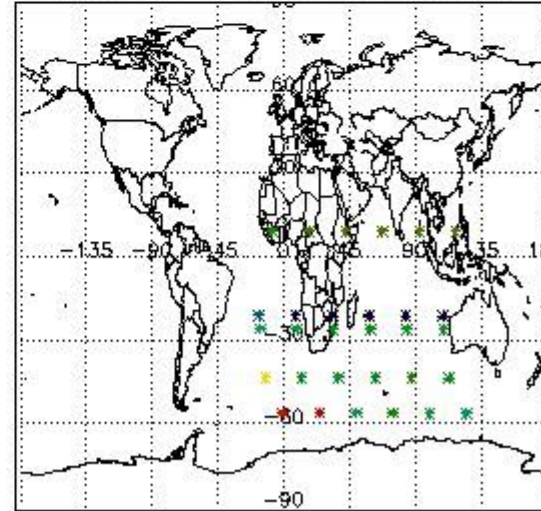
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

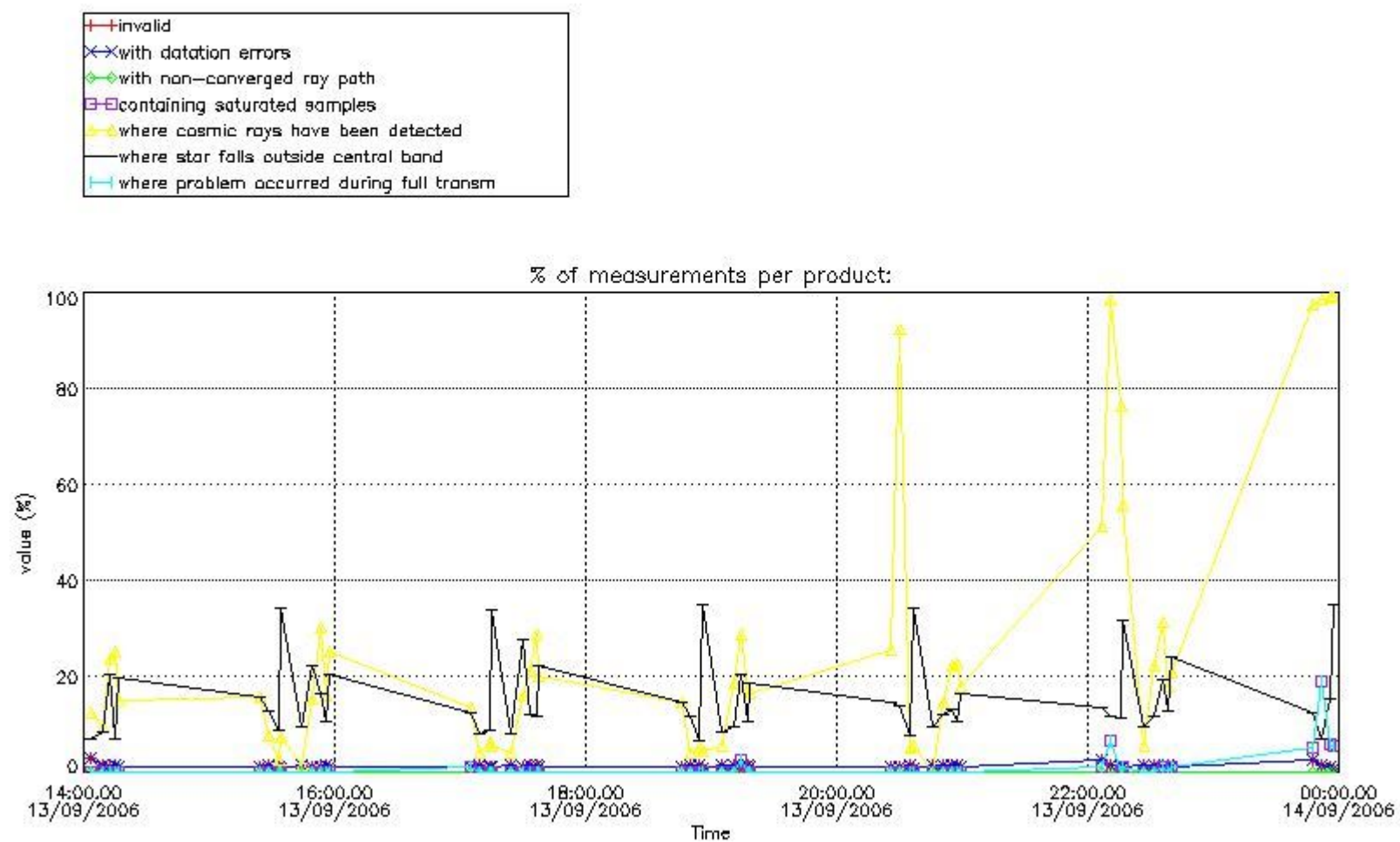


4. Level 1 quality information per product

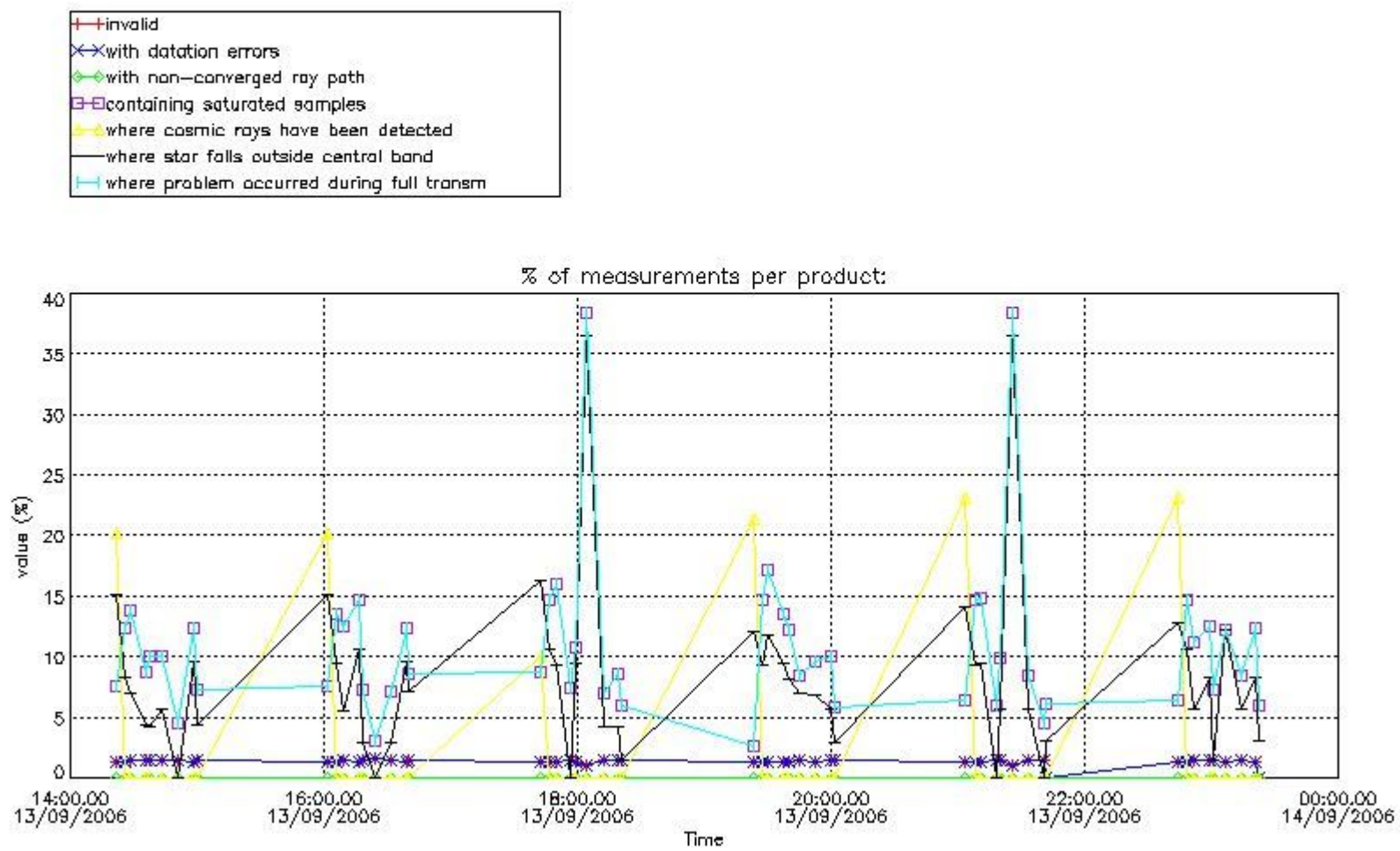
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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

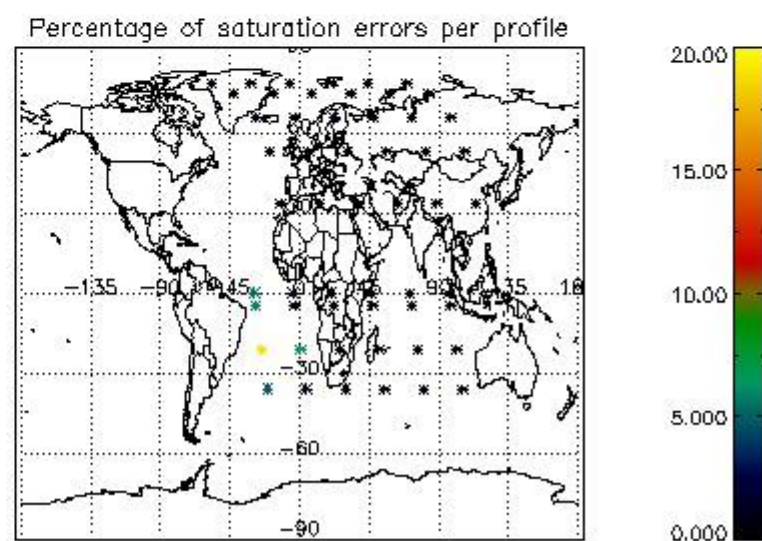
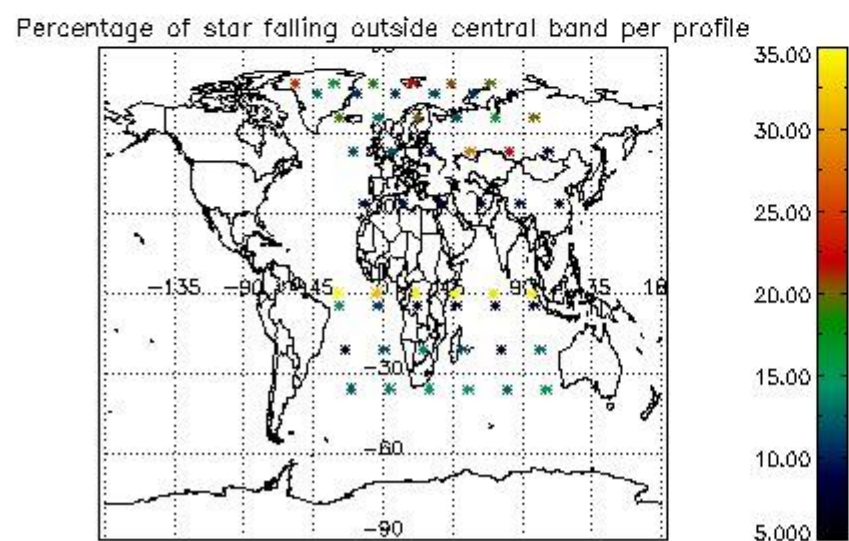
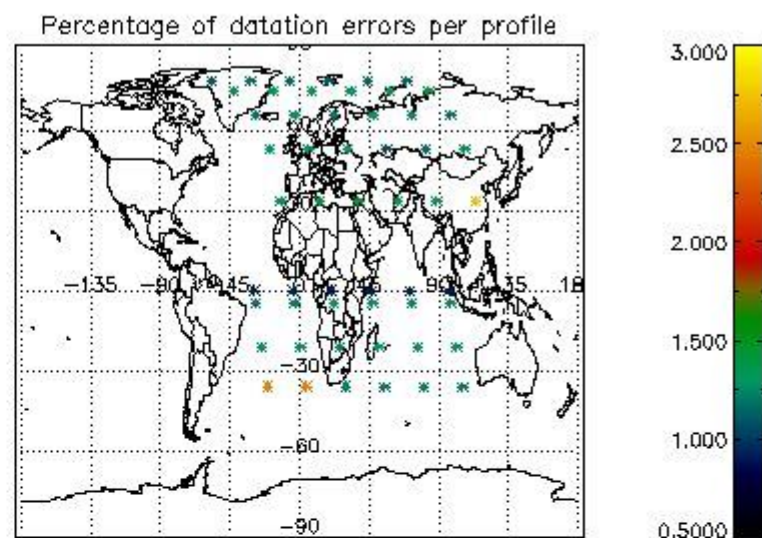
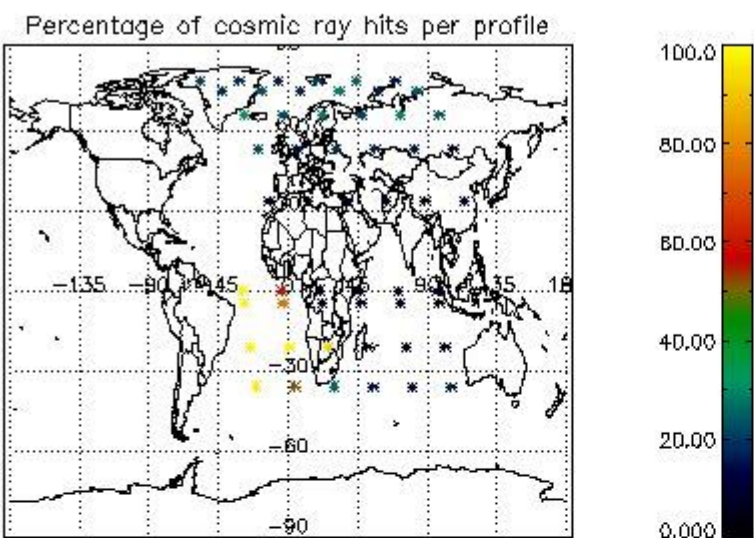


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

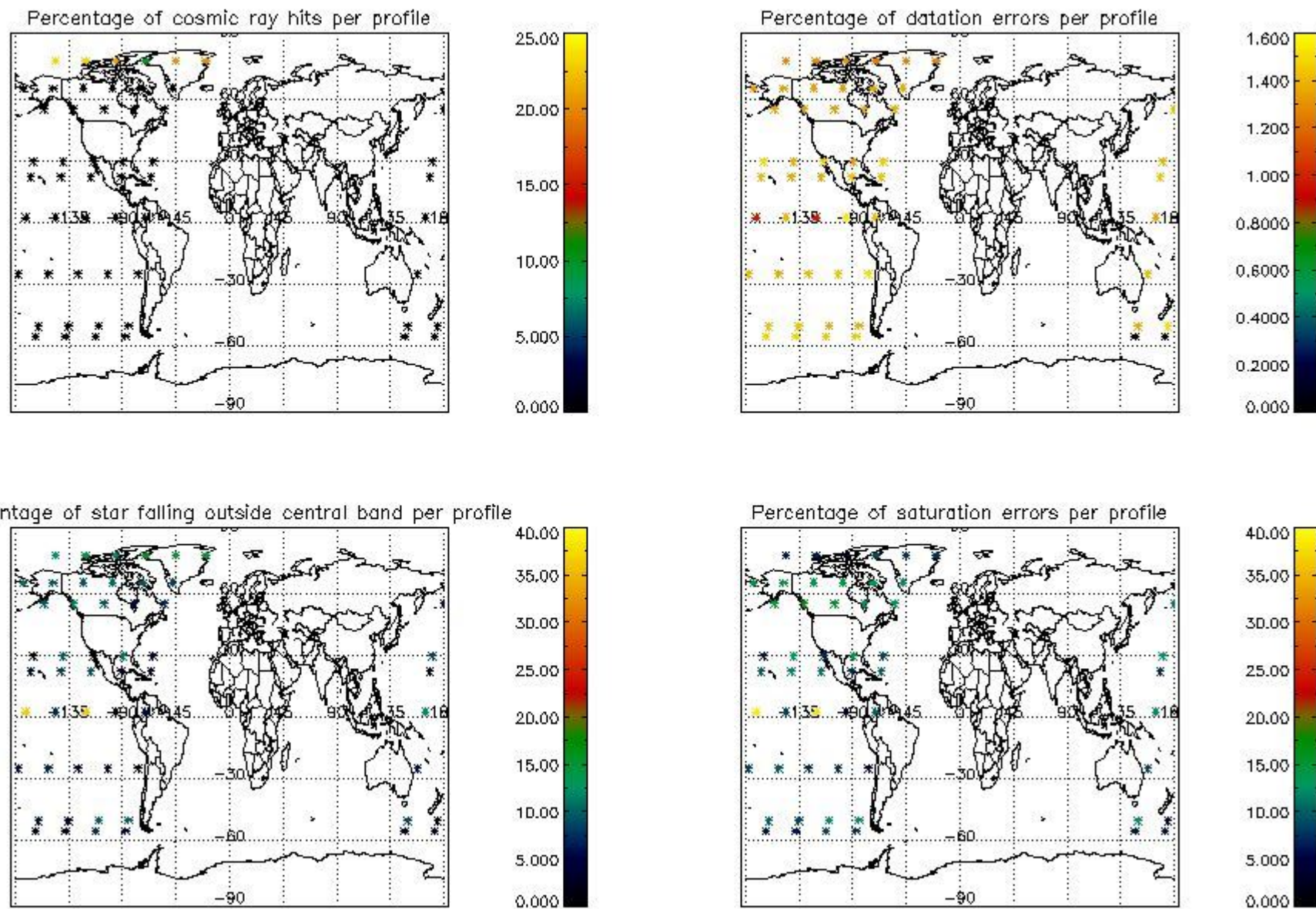


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

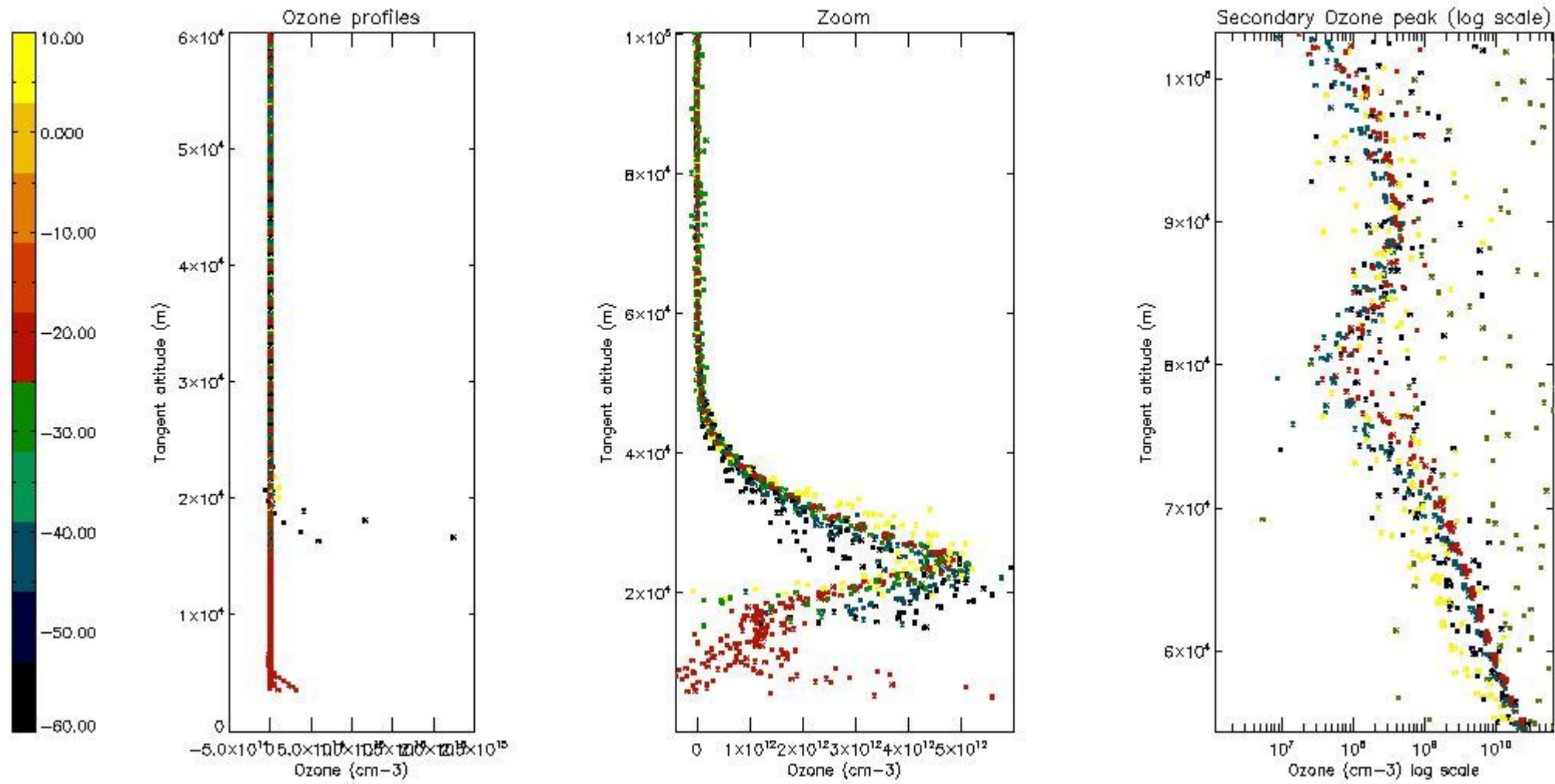
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	31
STD < 20	14

STD < 10	9
STD < 5	5

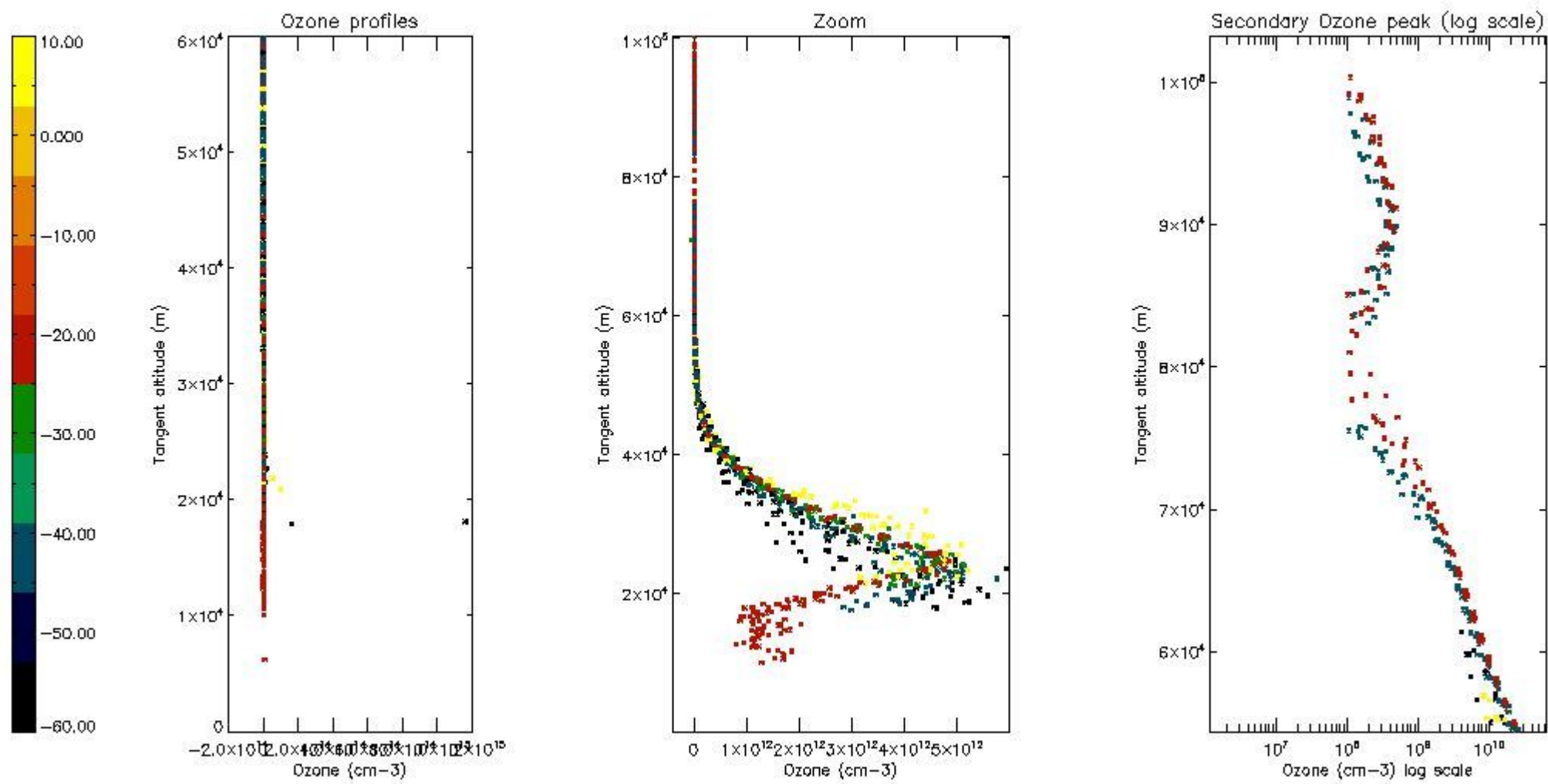
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



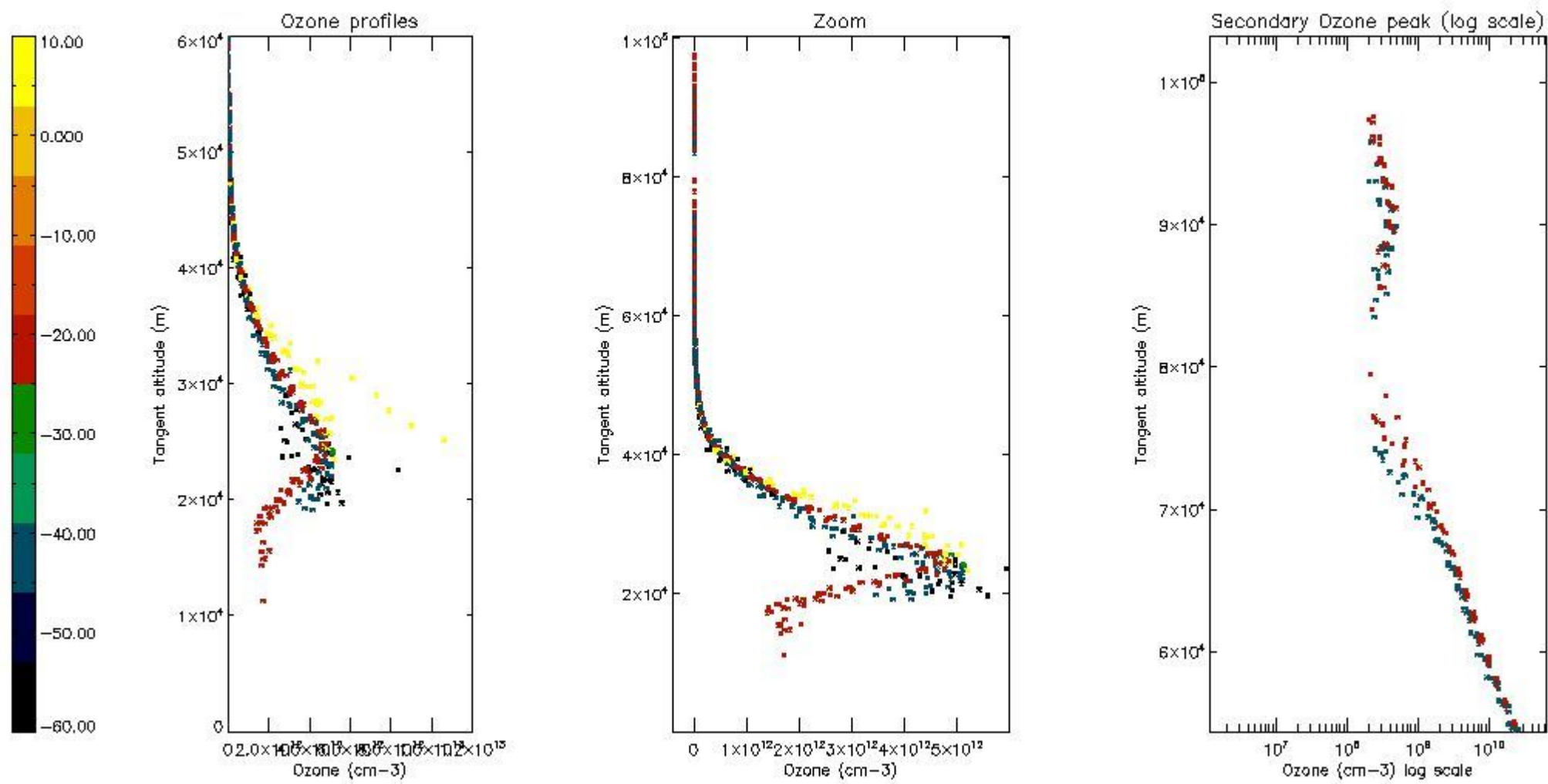
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



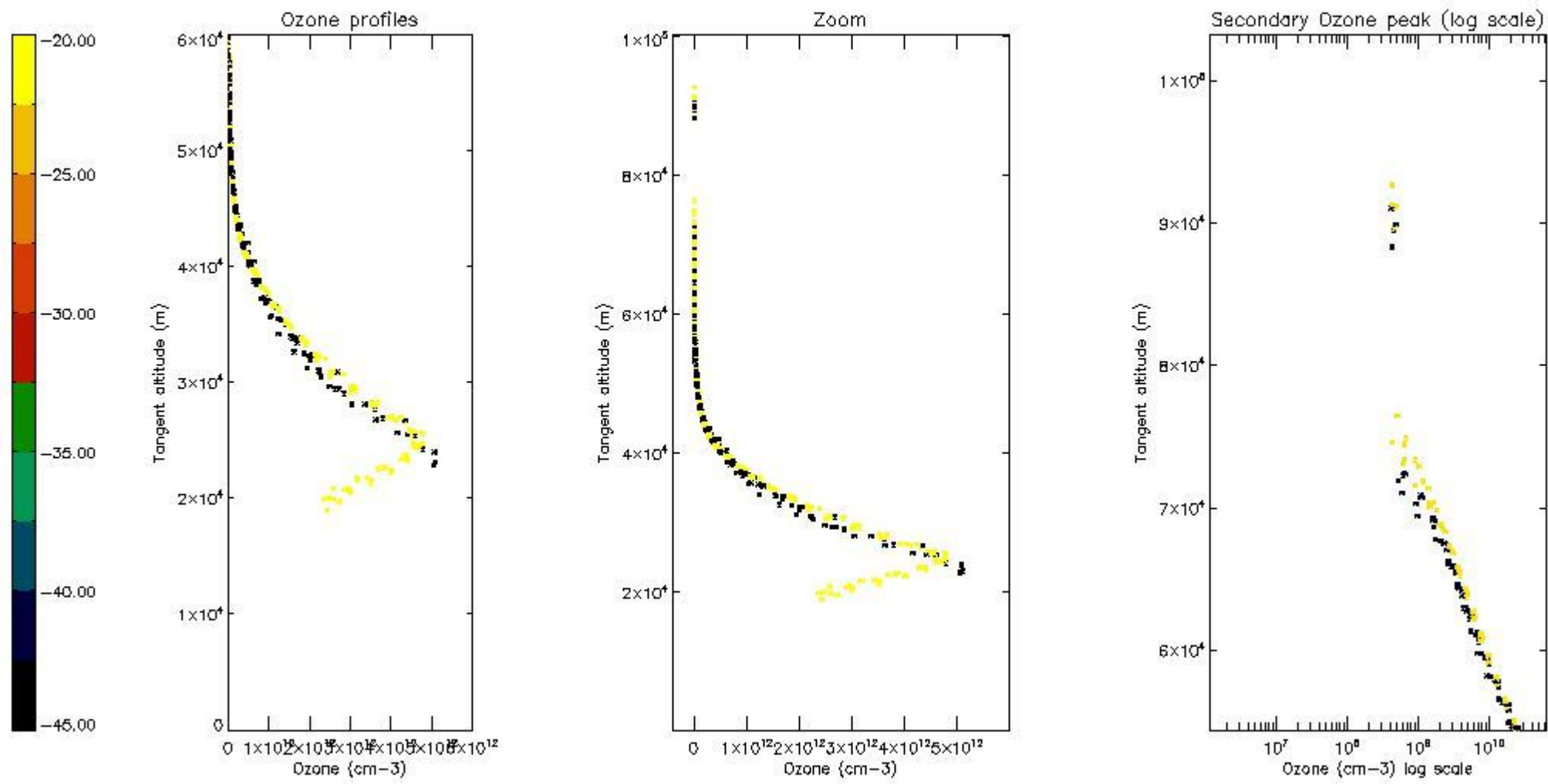
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



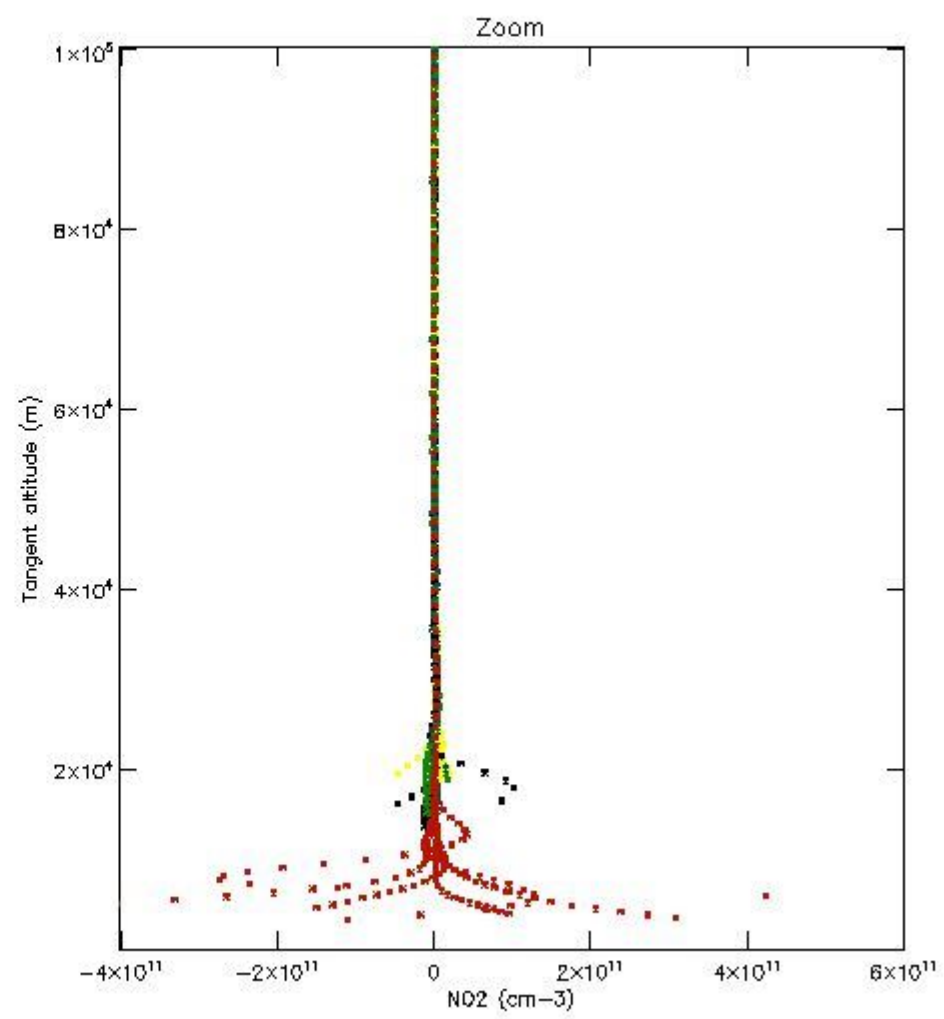
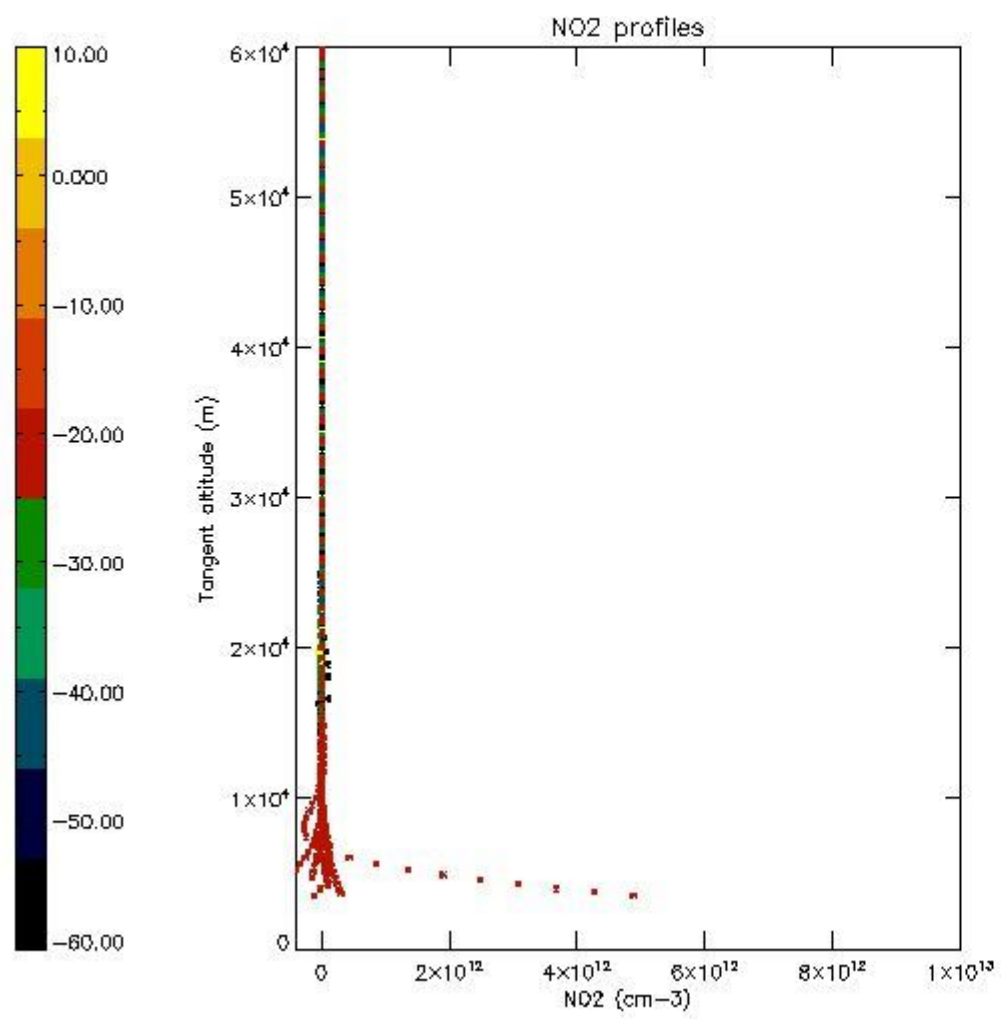
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



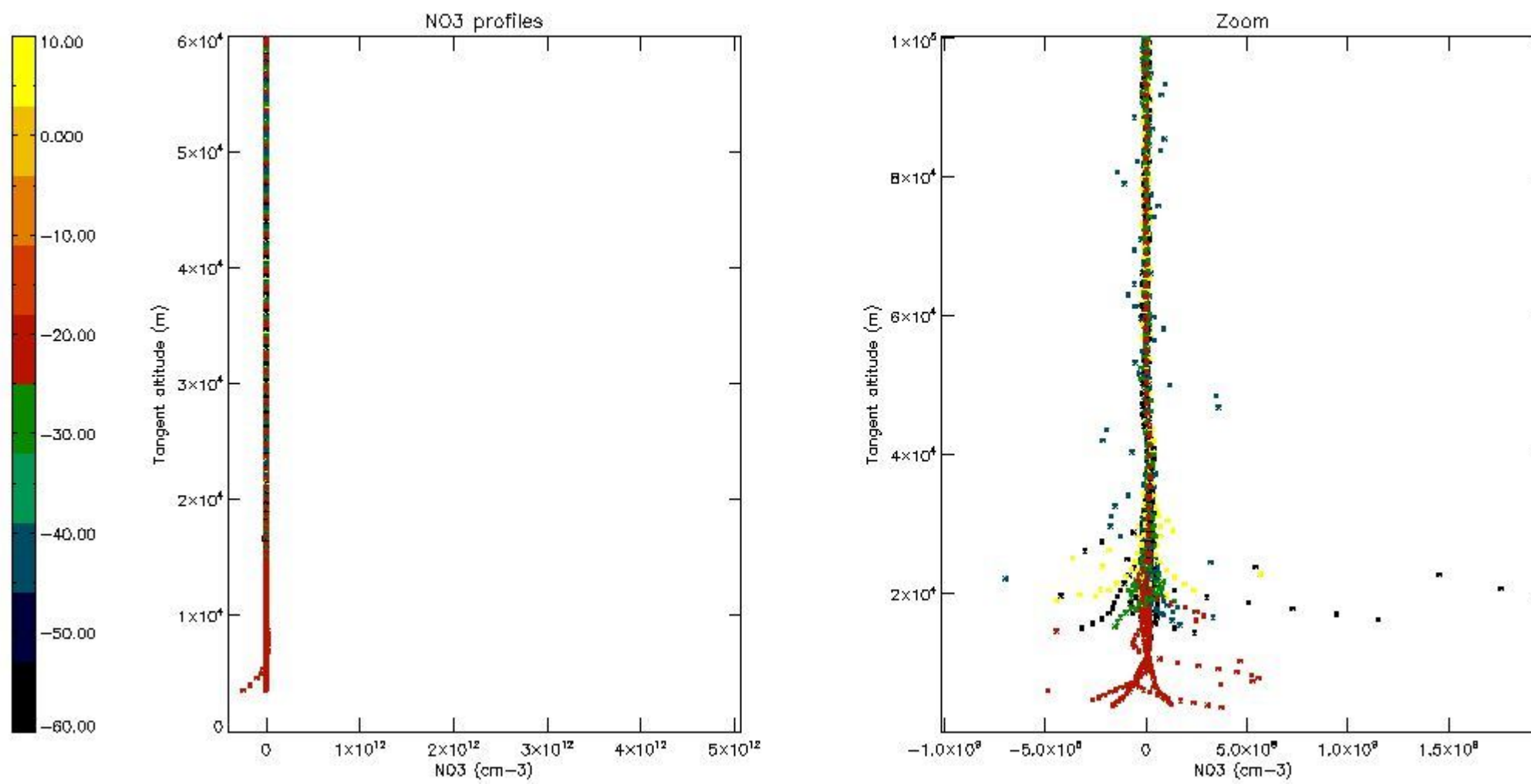
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	13-SEP-2006 14:03:15
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	13-SEP-2006 14:03:15
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	13-SEP-2006 14:03:15

GOMOS Level 2 Daily Report

SUMMARY

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

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[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](#)

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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 \(dark without errors\)](#)

[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	24APR2013 04:05:24
Data source version	GOMOS/6.01
Start time of products	13-09-2006 (13SEP2006 00:00:00)
Stop time of products	14-09-2006 (14SEP2006 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	108
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__2PRFIN20060913_140315_000000372051_00125_23726_1658.N1	13-SEP-2006 14:03:15	Dark	36.500	135	Bet Hyi	2.8200	5800.0	73	23726	No
2	GOM_NL__2PRFIN20060913_140848_000000372051_00125_23726_1659.N1	13-SEP-2006 14:08:48	Straylight	36.500	148	Alp Tuc	2.8780	4100.0	73	23726	No
3	GOM_NL__2PRFIN20060913_141231_000000422051_00125_23726_1660.N1	13-SEP-2006 14:12:31	Straylight	42.000	31	Alp Gru	1.7340	15200.	84	23726	No
4	GOM_NL__2PRFIN20060913_141518_000000362051_00125_23726_1661.N1	13-SEP-2006 14:15:18	Straylight	36.000	172	Gam Gru	3.0030	13100.	72	23726	No
5	GOM_NL__2PRFIN20060913_141642_000000442051_00125_23726_1662.N1	13-SEP-2006 14:16:42	Straylight	43.500	18	24Alp PsA	1.1660	9700.0	87	23726	No
6	GOM_NL__2PRFIN20060913_142115_000000402051_00125_23726_1663.N1	13-SEP-2006 14:21:15	Tw_i_and_stray	39.500	142	49Del Cap	2.8500	8900.0	79	23726	No
7	GOM_NL__2PRFIN20060913_142531_000000372051_00125_23726_1664.N1	13-SEP-2006 14:25:31	Bright	36.500	162	34Alp Aqr	2.9440	5350.0	73	23726	No
8	GOM_NL__2PRFIN20060913_142830_000000362051_00125_23726_1665.N1	13-SEP-2006 14:28:30	Bright	36.000	61	8Eps Peg	2.1000	3900.0	72	23726	No
9	GOM_NL__2PRFIN20060913_143544_000000352051_00125_23726_1666.N1	13-SEP-2006 14:35:44	Bright	34.500	92	53Eps Cyg	2.5000	4500.0	69	23726	No
10	GOM_NL__2PRFIN20060913_143748_000000352051_00125_23726_1667.N1	13-SEP-2006 14:37:48	Bright	35.000	66	37Gam Cyg	2.2080	5900.0	70	23726	No
11	GOM_NL__2PRFIN20060913_144320_000000352051_00125_23726_1668.N1	13-SEP-2006 14:43:20	Bright	35.000	89	5Alp Cep	2.4510	8000.0	70	23726	No
12	GOM_NL__2PRFIN20060913_145101_000000332051_00125_23726_1669.N1	13-SEP-2006 14:51:01	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	23726	No
13	GOM_NL__2PRFIN20060913_145813_000000372051_00125_23726_1670.N1	13-SEP-2006 14:58:13	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	23726	No
14	GOM_NL__2PRFIN20060913_145939_000000352051_00125_23726_1671.N1	13-SEP-2006 14:59:39	Bright	34.500	82	48Bet UMa	2.3650	10600.	69	23726	No
15	GOM_NL__2PRFIN20060913_152421_000000422051_00125_23726_1672.N1	13-SEP-2006 15:24:21	Dark	41.500	132	15Rho Pup	2.8030	6900.0	83	23726	No
16	GOM_NL__2PRFIN20060913_152832_000000392051_00125_23726_1673.N1	13-SEP-2006 15:28:32	Dark	39.000	70	Zet Pup	2.2460	39000.	78	23726	No
17	GOM_NL__2PRFIN20060913_153308_000000402051_00125_23726_1674.N1	13-SEP-2006 15:33:08	Dark	39.500	161	Tau Pup	2.9310	4500.0	79	23726	No
18	GOM_NL__2PRFIN20060913_153426_000000562051_00126_23727_1658.N1	13-SEP-2006 15:34:26	Dark	55.500	2	Alp Car	-0.73600	7000.0	111	23727	No
19	GOM_NL__2PRFIN20060913_154351_000000372051_00126_23727_1659.N1	13-SEP-2006 15:43:51	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	23727	No
20	GOM_NL__2PRFIN20060913_154924_000000432051_00126_23727_1660.N1	13-SEP-2006 15:49:24	Straylight	43.000	148	Alp Tuc	2.8780	4100.0	86	23727	No
21	GOM_NL__2PRFIN20060913_155307_000000402051_00126_23727_1661.N1	13-SEP-2006 15:53:07	Straylight	40.000	31	Alp Gru	1.7340	15200.	80	23727	No
22	GOM_NL__2PRFIN20060913_155554_000000382051_00126_23727_1662.N1	13-SEP-2006 15:55:54	Straylight	37.500	172	Gam Gru	3.0030	13100.	75	23727	No
23	GOM_NL__2PRFIN20060913_155718_000000442051_00126_23727_1663.N1	13-SEP-2006 15:57:18	Straylight	44.000	18	24Alp PsA	1.1660	9700.0	88	23727	No
24	GOM_NL__2PRFIN20060913_160151_000000402051_00126_23727_1664.N1	13-SEP-2006 16:01:51	Tw_i_and_stray	39.500	142	49Del Cap	2.8500	8900.0	79	23727	No
25	GOM_NL__2PRFIN20060913_160607_000000372051_00126_23727_1665.N1	13-SEP-2006 16:06:07	Bright	37.000	162	34Alp Aqr	2.9440	5350.0	74	23727	No
26	GOM_NL__2PRFIN20060913_160906_000000362051_00126_23727_1666.N1	13-SEP-2006 16:09:06	Bright	36.000	61	8Eps Peg	2.1000	3900.0	72	23727	No
27	GOM_NL__2PRFIN20060913_161620_000000382051_00126_23727_1667.N1	13-SEP-2006 16:16:20	Bright	37.500	92	53Eps Cyg	2.5000	4500.0	75	23727	No
28	GOM_NL__2PRFIN20060913_161825_000000352051_00126_23727_1668.N1	13-SEP-2006 16:18:25	Bright	34.500	66	37Gam Cyg	2.2080	5900.0	69	23727	No
29	GOM_NL__2PRFIN20060913_162356_000000332051_00126_23727_1669.N1	13-SEP-2006 16:23:56	Bright	32.500	89	5Alp Cep	2.4510	8000.0	65	23727	No
30	GOM_NL__2PRFIN20060913_163137_000000352051_00126_23727_1670.N1	13-SEP-2006 16:31:37	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	23727	No
31	GOM_NL__2PRFIN20060913_163849_000000372051_00126_23727_1671.N1	13-SEP-2006 16:38:49	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	23727	No
32	GOM_NL__2PRFIN20060913_164015_000000352051_00126_23727_1672.N1	13-SEP-2006 16:40:15	Bright	35.000	82	48Bet UMa	2.3650	10600.	70	23727	No
33	GOM_NL__2PRFIN20060913_170457_000000412051_00126_23727_1673.N1	13-SEP-2006 17:04:57	Dark	40.500	132	15Rho Pup	2.8030	6900.0	81	23727	No
34	GOM_NL__2PRFIN20060913_170908_000000382051_00126_23727_1674.N1	13-SEP-2006 17:09:08	Dark	37.500	70	Zet Pup	2.2460	39000.	75	23727	No
35	GOM_NL__2PRFIN20060913_171345_000000402051_00126_23727_1675.N1	13-SEP-2006 17:13:45	Dark	39.500	161	Tau Pup	2.9310	4500.0	79	23727	No
36	GOM_NL__2PRFIN20060913_171503_000000552051_00127_23728_1658.N1	13-SEP-2006 17:15:03	Dark	55.000	2	Alp Car	-0.73600	7000.0	110	23728	No
37	GOM_NL__2PRFIN20060913_172427_000000372051_00127_23728_1659.N1	13-SEP-2006 17:24:27	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	23728	No
38	GOM_NL__2PRFIN20060913_173000_000000472051_00127_23728_1660.N1	13-SEP-2006 17:30:00	Straylight	47.000	148	Alp Tuc	2.8780	4100.0	94	23728	No
39	GOM_NL__2PRFIN20060913_173344_000000382051_00127_23728_1661.N1	13-SEP-2006 17:33:44	Straylight	38.000	31	Alp Gru	1.7340	15200.	76	23728	No
40	GOM_NL__2PRFIN20060913_173631_000000392051_00127_23728_1662.N1	13-SEP-2006 17:36:31	Straylight	38.500	172	Gam Gru	3.0030	13100.	77	23728	No
41	GOM_NL__2PRFIN20060913_173754_000000452051_00127_23728_1663.N1	13-SEP-2006 17:37:54	Straylight	45.000	18	24Alp PsA	1.1660	9700.0	90	23728	No
42	GOM_NL__2PRFIN20060913_174227_000000402051_00127_23728_1664.N1	13-SEP-2006 17:42:27	Tw_i_and_stray	40.000	142	49Del Cap	2.8500	8900.0	80	23728	No

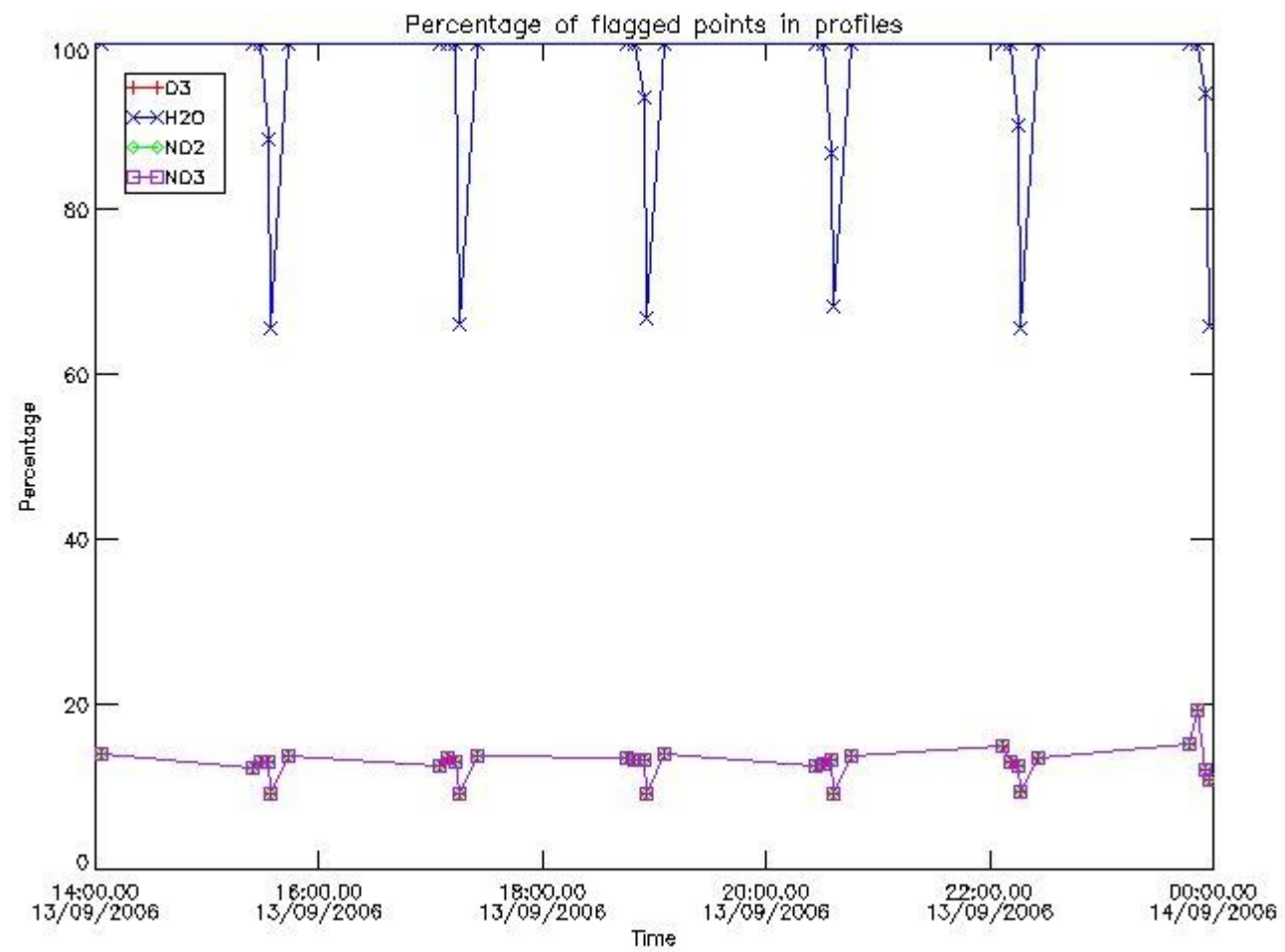
43	GOM_NL__2PRFIN20060913_174643_000000382051_00127_23728_1665.N1	13-SEP-2006 17:46:43	Bright	37.500	162	34Alp Aqr	2.9440	5350.0	75	23728	No
44	GOM_NL__2PRFIN20060913_174942_000000382051_00127_23728_1666.N1	13-SEP-2006 17:49:42	Bright	37.500	61	8Eps Peg	2.1000	3900.0	75	23728	No
45	GOM_NL__2PRFIN20060913_175656_000000342051_00127_23728_1667.N1	13-SEP-2006 17:56:56	Bright	34.000	92	53Eps Cyg	2.5000	4500.0	68	23728	No
46	GOM_NL__2PRFIN20060913_175901_000000372051_00127_23728_1668.N1	13-SEP-2006 17:59:01	Bright	37.000	66	37Gam Cyg	2.2080	5900.0	74	23728	No
47	GOM_NL__2PRFIN20060913_180431_000000522051_00127_23728_1669.N1	13-SEP-2006 18:04:31	Bright	52.000	89	5Alp Cep	2.4510	8000.0	104	23728	No
48	GOM_NL__2PRFIN20060913_181213_000000362051_00127_23728_1670.N1	13-SEP-2006 18:12:13	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	23728	No
49	GOM_NL__2PRFIN20060913_181925_000000352051_00127_23728_1671.N1	13-SEP-2006 18:19:25	Bright	35.000	36	50Alp UMa	1.8000	6300.0	70	23728	No
50	GOM_NL__2PRFIN20060913_182051_000000342051_00127_23728_1672.N1	13-SEP-2006 18:20:51	Bright	33.500	82	48Bet UMa	2.3650	10600.	67	23728	No
51	GOM_NL__2PRFIN20060913_184534_000000422051_00127_23728_1673.N1	13-SEP-2006 18:45:34	Dark	41.500	132	15Rho Pup	2.8030	6900.0	83	23728	No
52	GOM_NL__2PRFIN20060913_184945_000000392051_00127_23728_1674.N1	13-SEP-2006 18:49:45	Dark	38.500	70	Zet Pup	2.2460	39000.	77	23728	No
53	GOM_NL__2PRFIN20060913_185421_000000392051_00127_23728_1675.N1	13-SEP-2006 18:54:21	Dark	38.500	161	Tau Pup	2.9310	4500.0	77	23728	No
54	GOM_NL__2PRFIN20060913_185539_000000562051_00128_23729_1658.N1	13-SEP-2006 18:55:39	Dark	56.000	2	Alp Car	-0.73600	7000.0	112	23729	No
55	GOM_NL__2PRFIN20060913_190503_000000372051_00128_23729_1659.N1	13-SEP-2006 19:05:03	Dark	36.500	135	Bet Hyi	2.8200	5800.0	73	23729	No
56	GOM_NL__2PRFIN20060913_191037_000000382051_00128_23729_1660.N1	13-SEP-2006 19:10:37	Straylight	37.500	148	Alp Tuc	2.8780	4100.0	75	23729	No
57	GOM_NL__2PRFIN20060913_191420_000000422051_00128_23729_1661.N1	13-SEP-2006 19:14:20	Straylight	42.000	31	Alp Gru	1.7340	15200.	84	23729	No
58	GOM_NL__2PRFIN20060913_191707_000000382051_00128_23729_1662.N1	13-SEP-2006 19:17:07	Straylight	37.500	172	Gam Gru	3.0030	13100.	75	23729	No
59	GOM_NL__2PRFIN20060913_191831_000000432051_00128_23729_1663.N1	13-SEP-2006 19:18:31	Straylight	43.000	18	24Alp PsA	1.1660	9700.0	86	23729	No
60	GOM_NL__2PRFIN20060913_192303_000000382051_00128_23729_1664.N1	13-SEP-2006 19:23:03	Twi_and_stray	37.500	142	49Del Cap	2.8500	8900.0	75	23729	No
61	GOM_NL__2PRFIN20060913_192719_000000382051_00128_23729_1665.N1	13-SEP-2006 19:27:19	Bright	37.500	162	34Alp Aqr	2.9440	5350.0	75	23729	No
62	GOM_NL__2PRFIN20060913_193019_000000382051_00128_23729_1666.N1	13-SEP-2006 19:30:19	Bright	38.000	61	8Eps Peg	2.1000	3900.0	76	23729	No
63	GOM_NL__2PRFIN20060913_193732_000000372051_00128_23729_1667.N1	13-SEP-2006 19:37:32	Bright	37.000	92	53Eps Cyg	2.5000	4500.0	74	23729	No
64	GOM_NL__2PRFIN20060913_193937_000000372051_00128_23729_1668.N1	13-SEP-2006 19:39:37	Bright	37.000	66	37Gam Cyg	2.2080	5900.0	74	23729	No
65	GOM_NL__2PRFIN20060913_194507_000000362051_00128_23729_1669.N1	13-SEP-2006 19:45:07	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	23729	No
66	GOM_NL__2PRFIN20060913_195249_000000372051_00128_23729_1670.N1	13-SEP-2006 19:52:49	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	23729	No
67	GOM_NL__2PRFIN20060913_200002_000000352051_00128_23729_1671.N1	13-SEP-2006 20:00:02	Bright	35.000	36	50Alp UMa	1.8000	6300.0	70	23729	No
68	GOM_NL__2PRFIN20060913_200127_000000342051_00128_23729_1672.N1	13-SEP-2006 20:01:27	Bright	34.000	82	48Bet UMa	2.3650	10600.	68	23729	No
69	GOM_NL__2PRFIN20060913_202610_000000412051_00128_23729_1673.N1	13-SEP-2006 20:26:10	Dark	41.000	132	15Rho Pup	2.8030	6900.0	82	23729	No
70	GOM_NL__2PRFIN20060913_203021_000000402051_00128_23729_1674.N1	13-SEP-2006 20:30:21	Dark	40.000	70	Zet Pup	2.2460	39000.	80	23729	No
71	GOM_NL__2PRFIN20060913_203458_000000392051_00128_23729_1675.N1	13-SEP-2006 20:34:58	Dark	38.500	161	Tau Pup	2.9310	4500.0	77	23729	No
72	GOM_NL__2PRFIN20060913_203616_000000562051_00129_23730_1658.N1	13-SEP-2006 20:36:16	Dark	55.500	2	Alp Car	-0.73600	7000.0	111	23730	No
73	GOM_NL__2PRFIN20060913_204539_000000372051_00129_23730_1659.N1	13-SEP-2006 20:45:39	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	23730	No
74	GOM_NL__2PRFIN20060913_205113_000000382051_00129_23730_1660.N1	13-SEP-2006 20:51:13	Straylight	38.000	148	Alp Tuc	2.8780	4100.0	76	23730	No
75	GOM_NL__2PRFIN20060913_205456_000000392051_00129_23730_1661.N1	13-SEP-2006 20:54:56	Straylight	38.500	31	Alp Gru	1.7340	15200.	77	23730	No
76	GOM_NL__2PRFIN20060913_205743_000000382051_00129_23730_1662.N1	13-SEP-2006 20:57:43	Straylight	37.500	172	Gam Gru	3.0030	13100.	75	23730	No
77	GOM_NL__2PRFIN20060913_205907_000000432051_00129_23730_1663.N1	13-SEP-2006 20:59:07	Straylight	42.500	18	24Alp PsA	1.1660	9700.0	85	23730	No
78	GOM_NL__2PRFIN20060913_210339_000000392051_00129_23730_1664.N1	13-SEP-2006 21:03:39	Twi_and_stray	39.000	142	49Del Cap	2.8500	8900.0	78	23730	No
79	GOM_NL__2PRFIN20060913_210755_000000382051_00129_23730_1665.N1	13-SEP-2006 21:07:55	Bright	37.500	162	34Alp Aqr	2.9440	5350.0	75	23730	No
80	GOM_NL__2PRFIN20060913_211055_000000372051_00129_23730_1666.N1	13-SEP-2006 21:10:55	Bright	37.000	61	8Eps Peg	2.1000	3900.0	74	23730	No
81	GOM_NL__2PRFIN20060913_211808_000000342051_00129_23730_1667.N1	13-SEP-2006 21:18:08	Bright	33.500	92	53Eps Cyg	2.5000	4500.0	67	23730	No
82	GOM_NL__2PRFIN20060913_212014_000000362051_00129_23730_1668.N1	13-SEP-2006 21:20:14	Bright	35.500	66	37Gam Cyg	2.2080	5900.0	71	23730	No
83	GOM_NL__2PRFIN20060913_212543_000000522051_00129_23730_1669.N1	13-SEP-2006 21:25:43	Bright	52.000	89	5Alp Cep	2.4510	8000.0	104	23730	No
84	GOM_NL__2PRFIN20060913_213325_000000362051_00129_23730_1670.N1	13-SEP-2006 21:33:25	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	23730	No
85	GOM_NL__2PRFIN20060913_214038_000000332051_00129_23730_1671.N1	13-SEP-2006 21:40:38	Bright	33.000	36	50Alp UMa	1.8000	6300.0	66	23730	No
86	GOM_NL__2PRFIN20060913_214204_000000332051_00129_23730_1672.N1	13-SEP-2006 21:42:04	Bright	33.000	82	48Bet UMa	2.3650	10600.	66	23730	No
87	GOM_NL__2PRFIN20060913_220647_000000412051_00129_23730_1673.N1	13-SEP-2006 22:06:47	Dark	41.000	132	15Rho Pup	2.8030	6900.0	82	23730	No
88	GOM_NL__2PRFIN20060913_221057_000000392051_00129_23730_1674.N1	13-SEP-2006 22:10:57	Dark	39.000	70	Zet Pup	2.2460	39000.	78	23730	No
89	GOM_NL__2PRFIN20060913_221534_000000412051_00129_23730_1675.N1	13-SEP-2006 22:15:34	Dark	40.500	161	Tau Pup	2.9310	4500.0	81	23730	No
90	GOM_NL__2PRFIN20060913_221652_000000542051_00130_23731_1658.N1	13-SEP-2006 22:16:52	Dark	54.000	2	Alp Car	-0.73600	7000.0	108	23731	No
91	GOM_NL__2PRFIN20060913_222615_000000382051_00130_23731_1659.N1	13-SEP-2006 22:26:15	Dark	37.500	135	Bet Hyi	2.8200	5800.0	75	23731	No
92	GOM_NL__2PRFIN20060913_223149_000000392051_00130_23731_1660.N1	13-SEP-2006 22:31:49	Straylight	38.500	148	Alp Tuc	2.8780	4100.0	77	23731	No
93	GOM_NL__2PRFIN20060913_223532_000000422051_00130_23731_1661.N1	13-SEP-2006 22:35:32	Straylight	41.500	31	Alp Gru	1.7340	15200.	83	23731	No
94	GOM_NL__2PRFIN20060913_223819_000000392051_00130_23731_1662.N1	13-SEP-2006 22:38:19	Straylight	39.000	172	Gam Gru	3.0030	13100.	78	23731	No
95	GOM_NL__2PRFIN20060913_223943_000000462051_00130_23731_1663.N1	13-SEP-2006 22:39:43	Straylight	46.000	18	24Alp PsA	1.1660	9700.0	92	23731	No
96	GOM_NL__2PRFIN20060913_224415_000000392051_00130_23731_1664.N1	13-SEP-2006 22:44:15	Twi_and_stray	39.000	142	49Del Cap	2.8500	8900.0	78	23731	No
97	GOM_NL__2PRFIN20060913_224831_000000382051_00130_23731_1665.N1	13-SEP-2006 22:48:31	Bright	37.500	162	34Alp Aqr	2.9440	5350.0	75	23731	No
98	GOM_NL__2PRFIN20060913_225131_000000362051_00130_23731_1666.N1	13-SEP-2006 22:51:31	Bright	35.500	61	8Eps Peg	2.1000	3900.0	71	23731	No
99	GOM_NL__2PRFIN20060913_225845_000000362051_00130_23731_1667.N1	13-SEP-2006 22:58:45	Bright	36.000	92	53Eps Cyg	2.5000	4500.0	72	23731	No
100	GOM_NL__2PRFIN20060913_230050_000000352051_00130_23731_1668.N1	13-SEP-2006 23:00:50	Bright	34.500	66	37Gam Cyg	2.2080	5900.0	69	23731	No
101	GOM_NL__2PRFIN20060913_230619_000000372051_00130_23731_1669.N1	13-SEP-2006 23:06:19	Bright	37.000	89	5Alp Cep	2.4510	8000.0	74	23731	No

102	GOM_NL__2PRFIN20060913_231401_000000362051_00130_23731_1670.N1	13-SEP-2006 23:14:01	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	23731	No
103	GOM_NL__2PRFIN20060913_232114_000000372051_00130_23731_1671.N1	13-SEP-2006 23:21:14	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	23731	No
104	GOM_NL__2PRFIN20060913_232240_000000342051_00130_23731_1672.N1	13-SEP-2006 23:22:40	Bright	33.500	82	48Bet UMa	2.3650	10600.	67	23731	No
105	GOM_NL__2PRFIN20060913_234723_000000412051_00130_23731_1673.N1	13-SEP-2006 23:47:23	Dark	40.500	132	15Rho Pup	2.8030	6900.0	81	23731	No
106	GOM_NL__2PRFIN20060913_235134_000000372051_00130_23731_1674.N1	13-SEP-2006 23:51:34	Dark	37.000	70	Zet Pup	2.2460	39000.	74	23731	No
107	GOM_NL__2PRFIN20060913_235611_000000432051_00130_23731_1675.N1	13-SEP-2006 23:56:11	Dark	42.500	161	Tau Pup	2.9310	4500.0	85	23731	No
108	GOM_NL__2PRFIN20060913_235729_000000562051_00131_23732_1658.N1	13-SEP-2006 23:57:29	Dark	56.000	2	Alp Car	-0.73600	7000.0	112	23732	No

3. Quality information per product

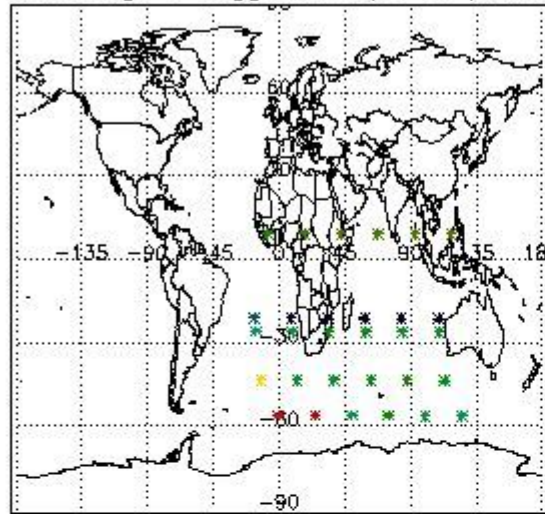
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

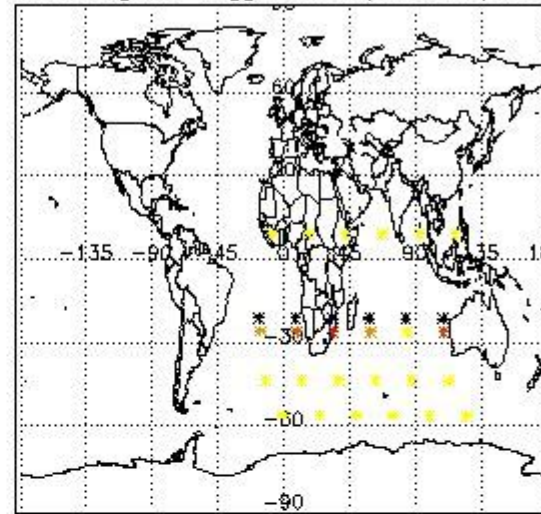


3.2 Plot quality information per product (world map)

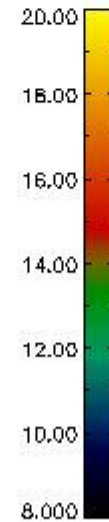
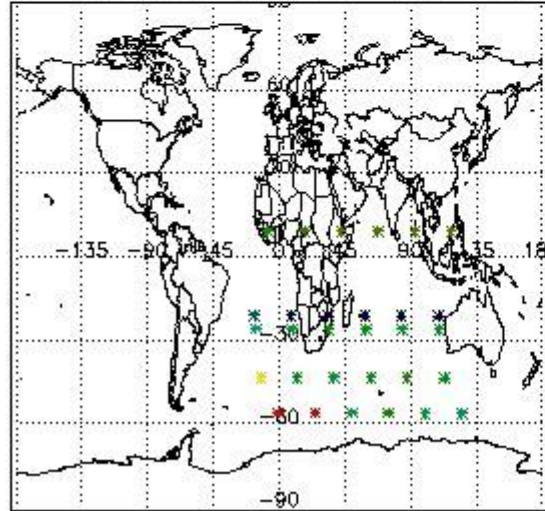
Percentage of flagged data per O3 profile



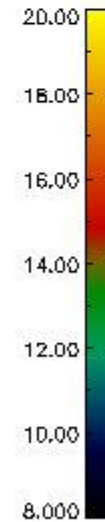
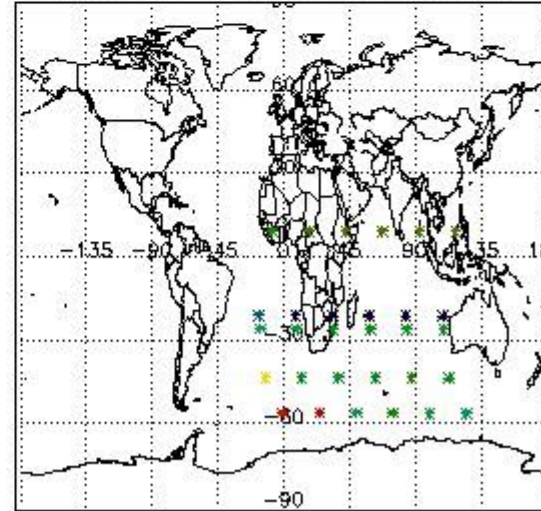
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

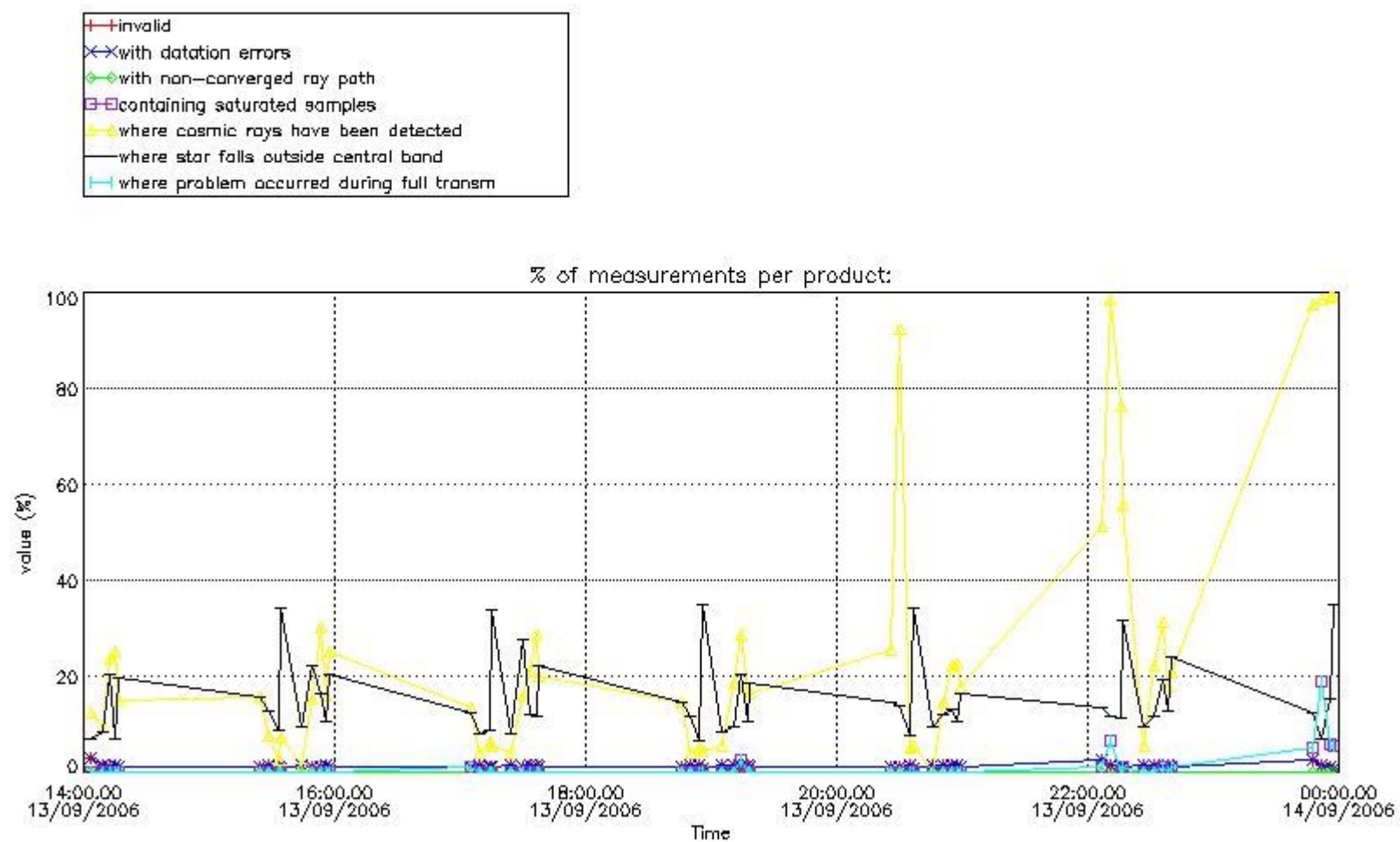


4. Level 1 quality information per product

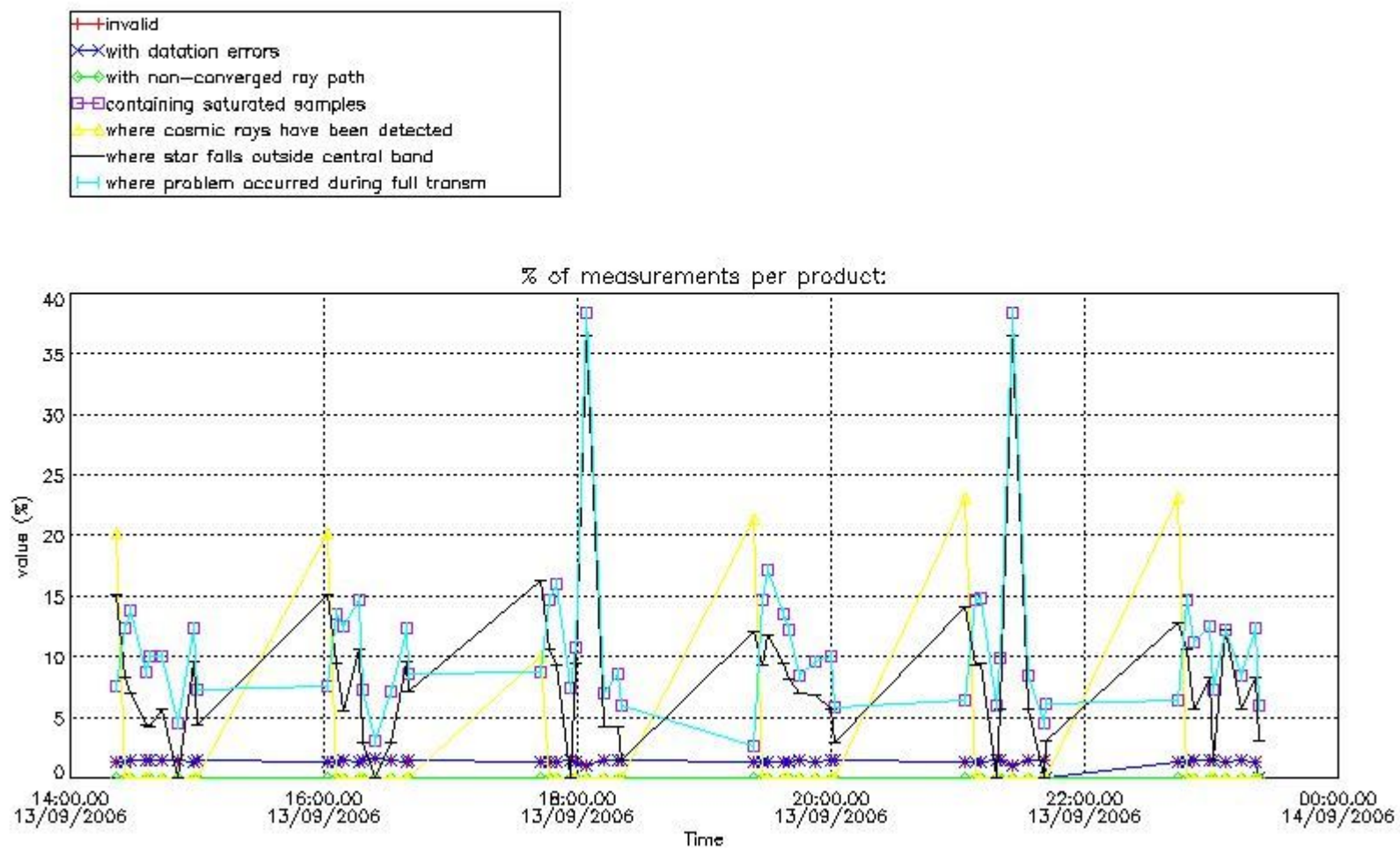
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



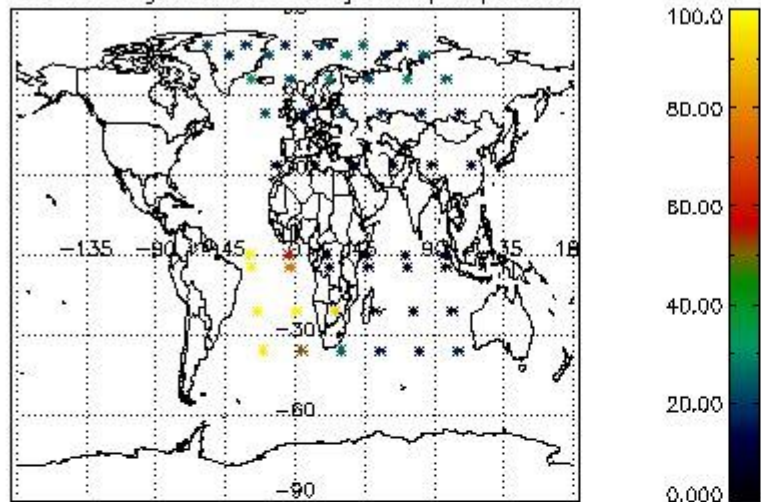
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



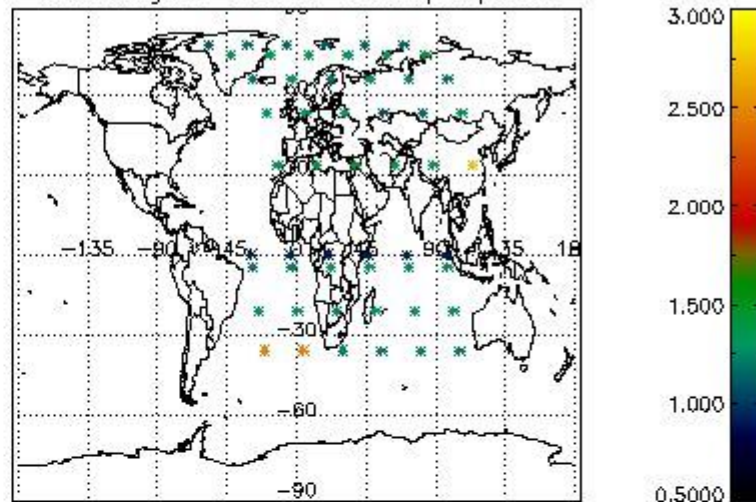
4.2 Plot quality information per product coming from level 1b processing (world map)

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

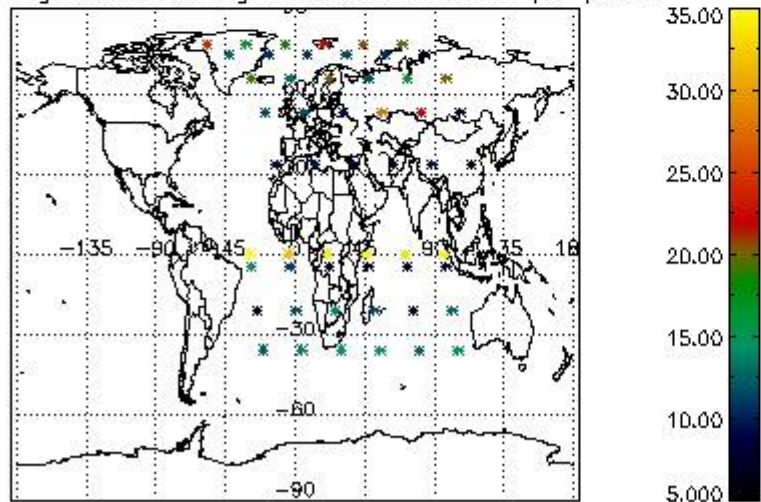
Percentage of cosmic ray hits per profile



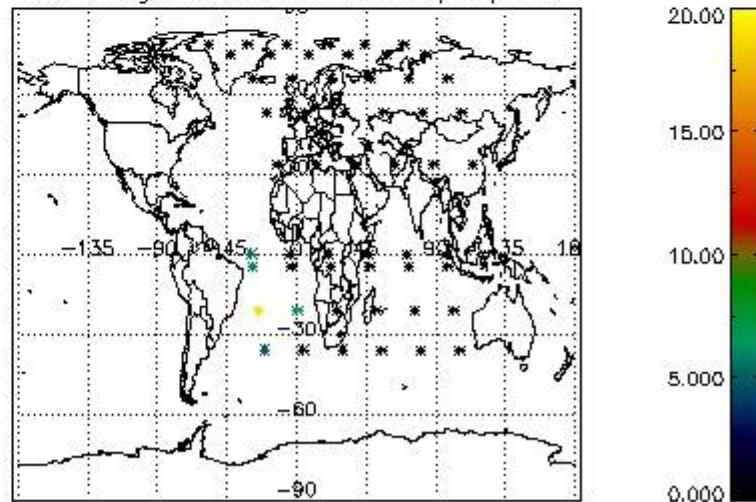
Percentage of datation errors per profile



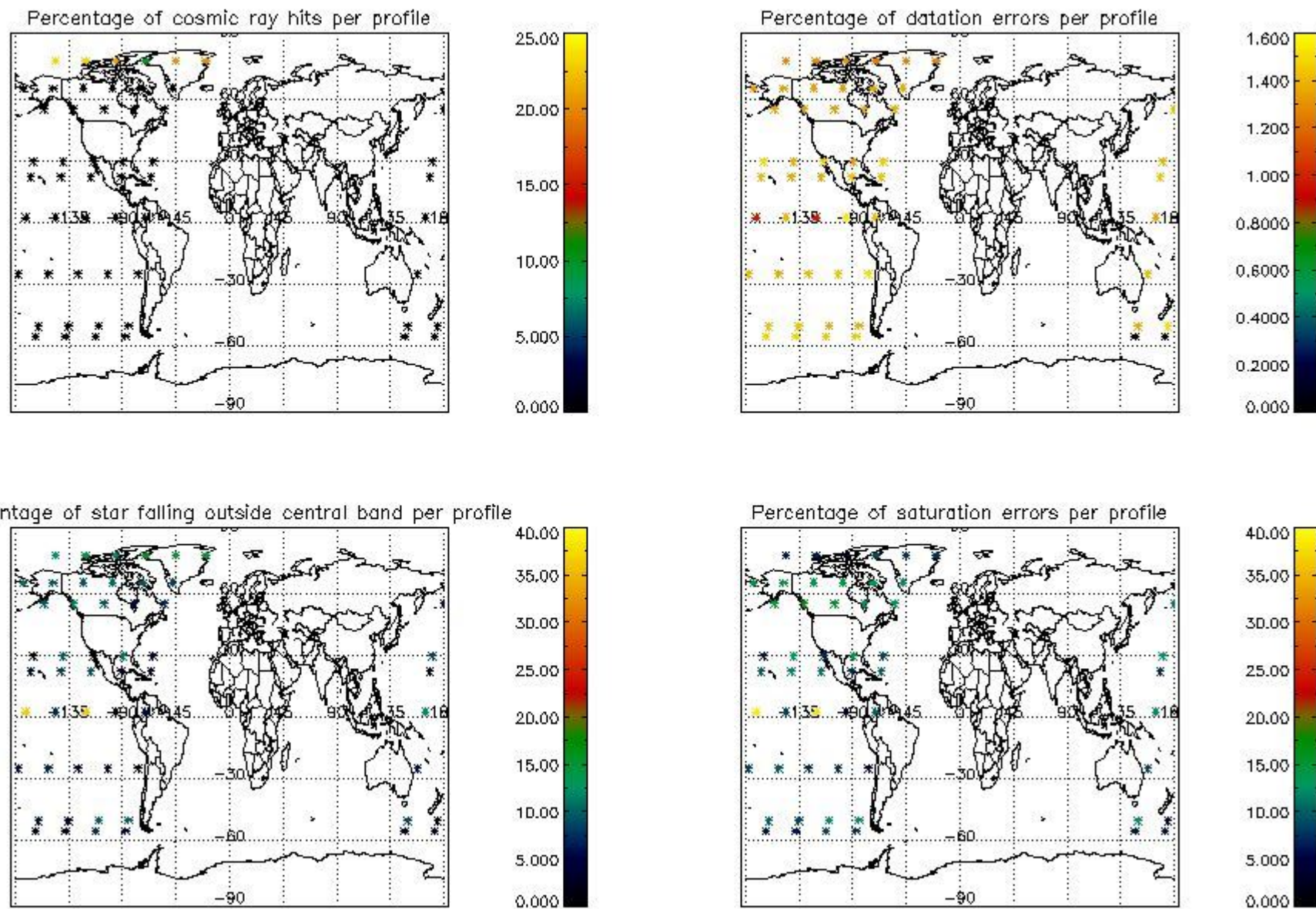
Percentage of star falling outside central band per profile



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

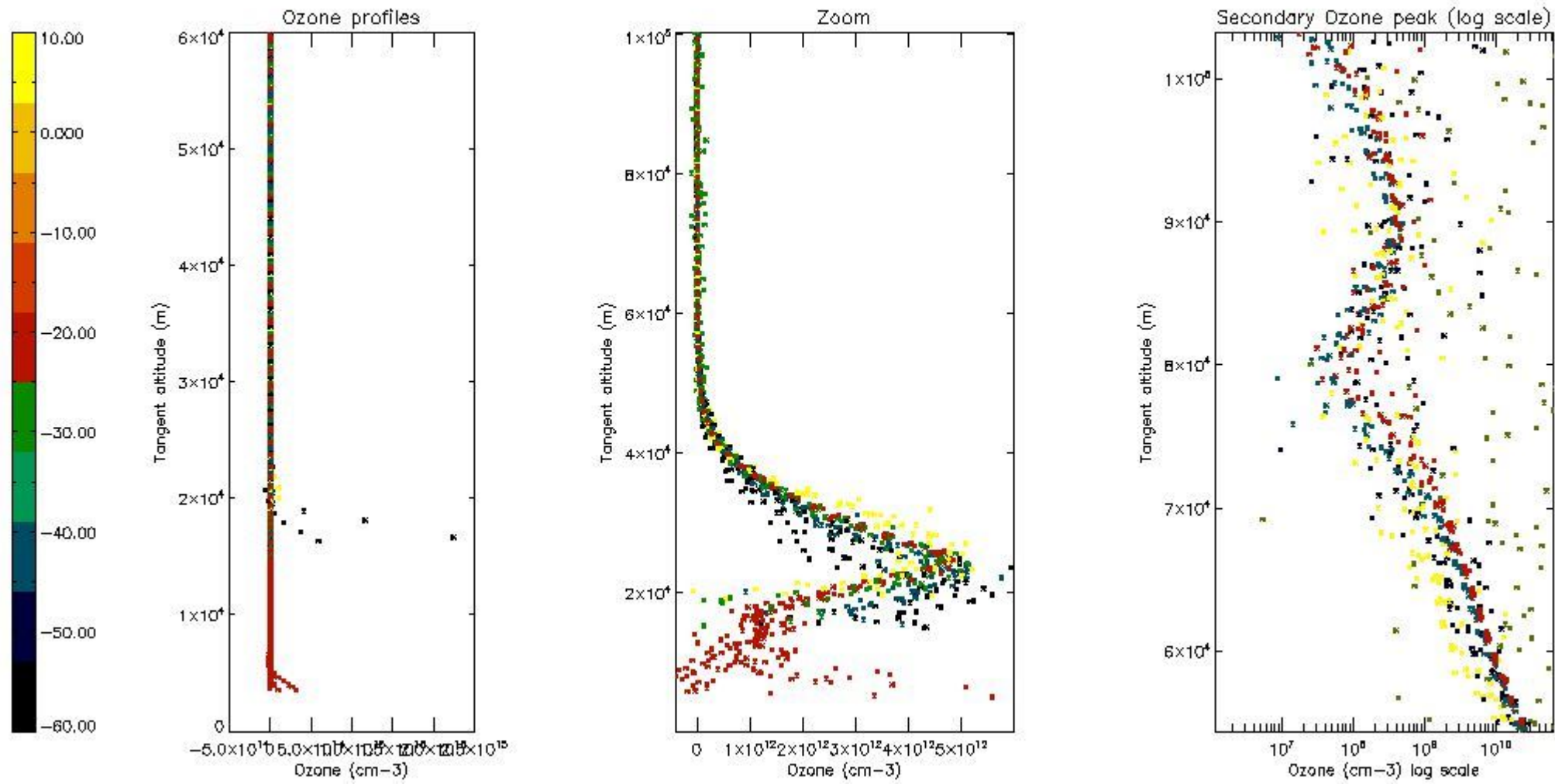
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	31
STD < 20	14

STD < 10	9
STD < 5	5

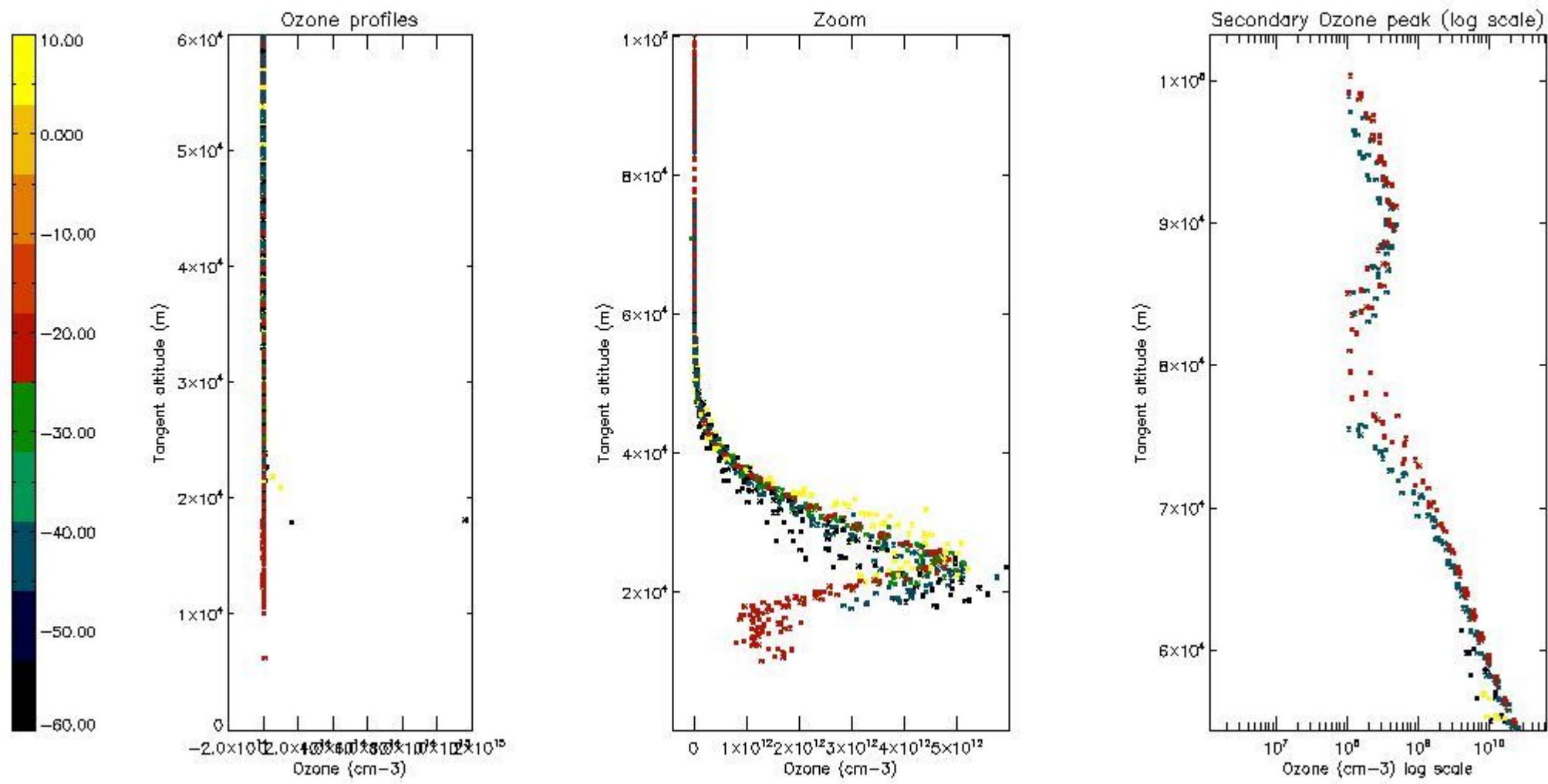
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



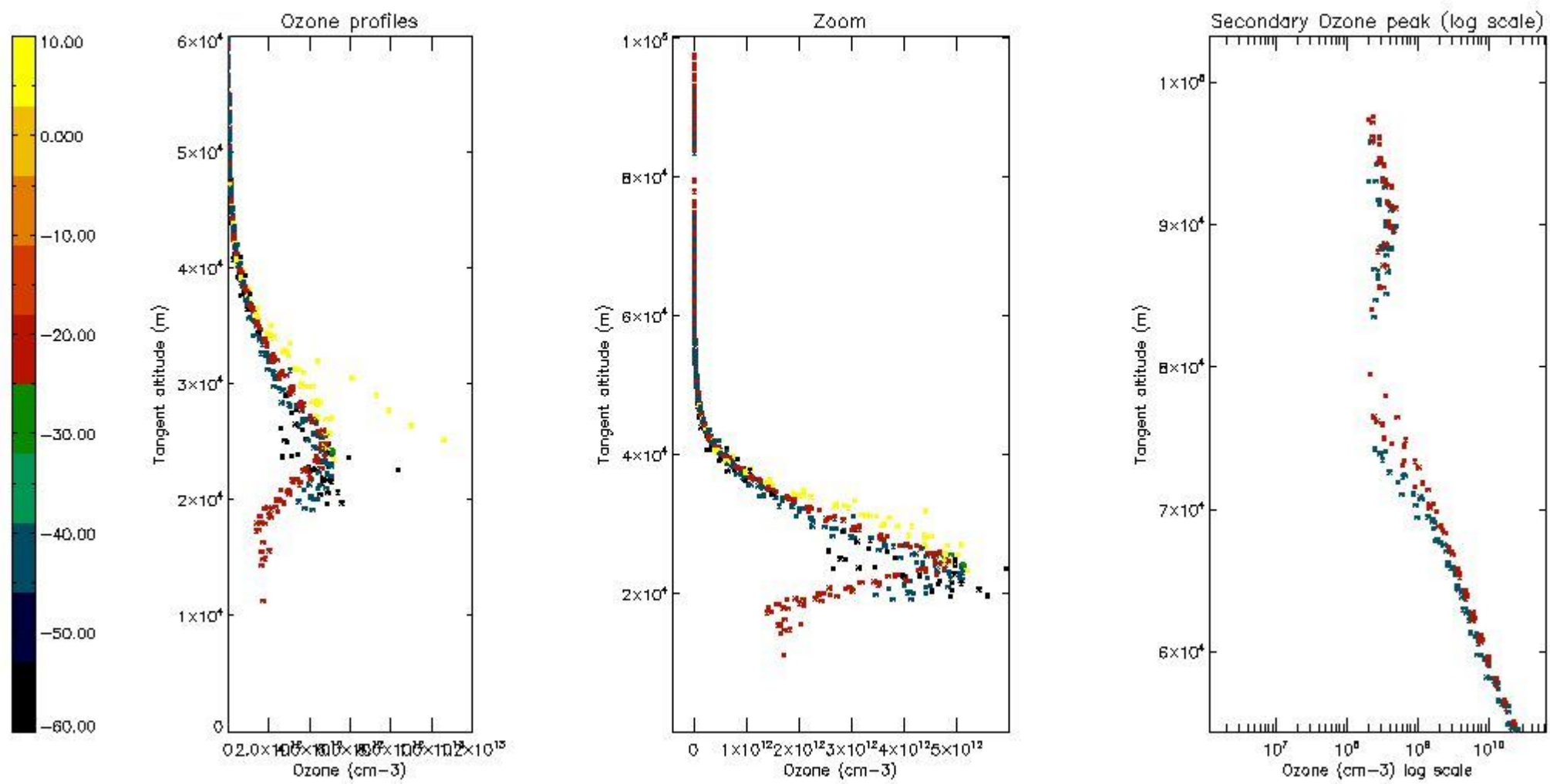
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



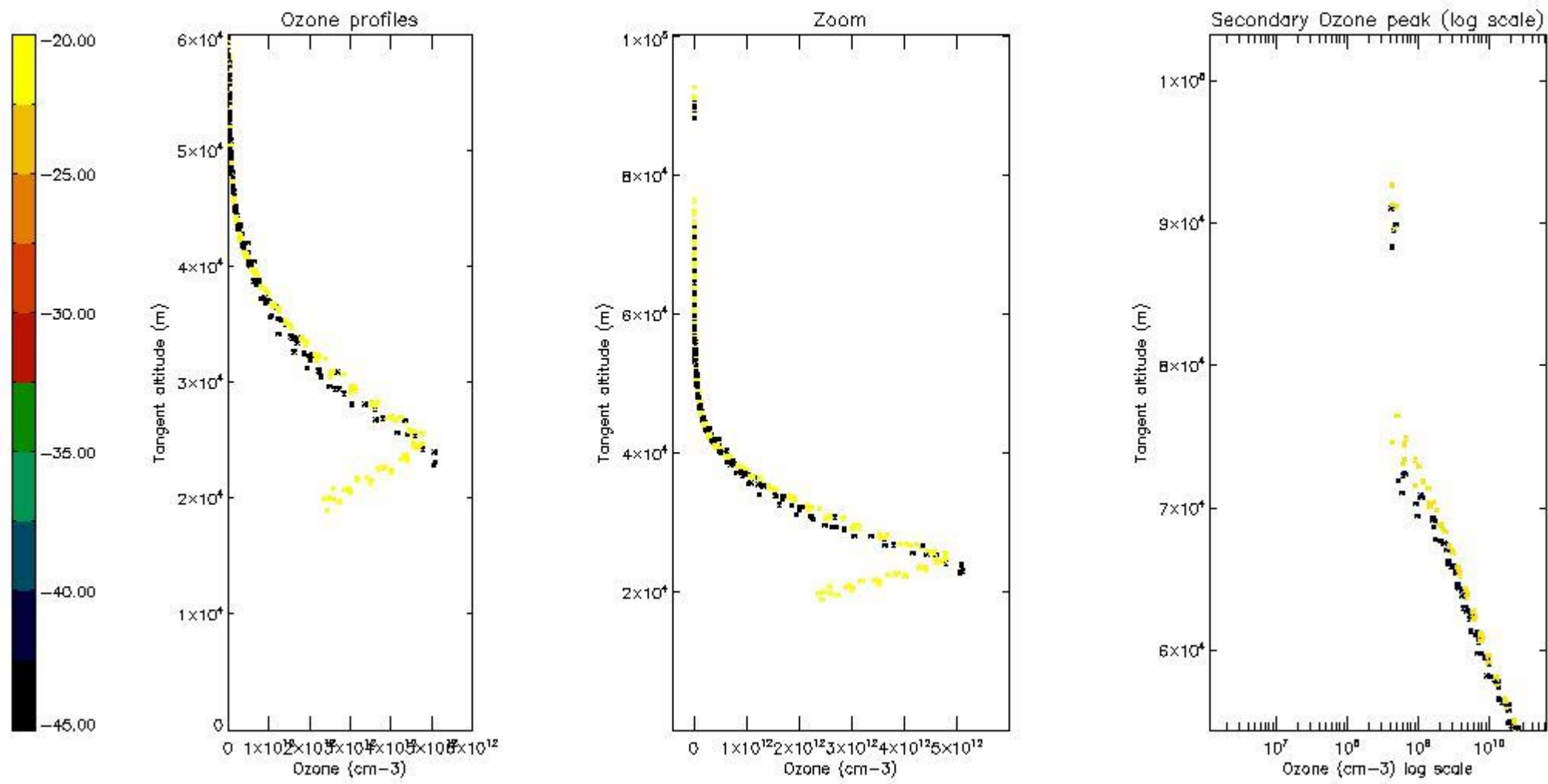
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



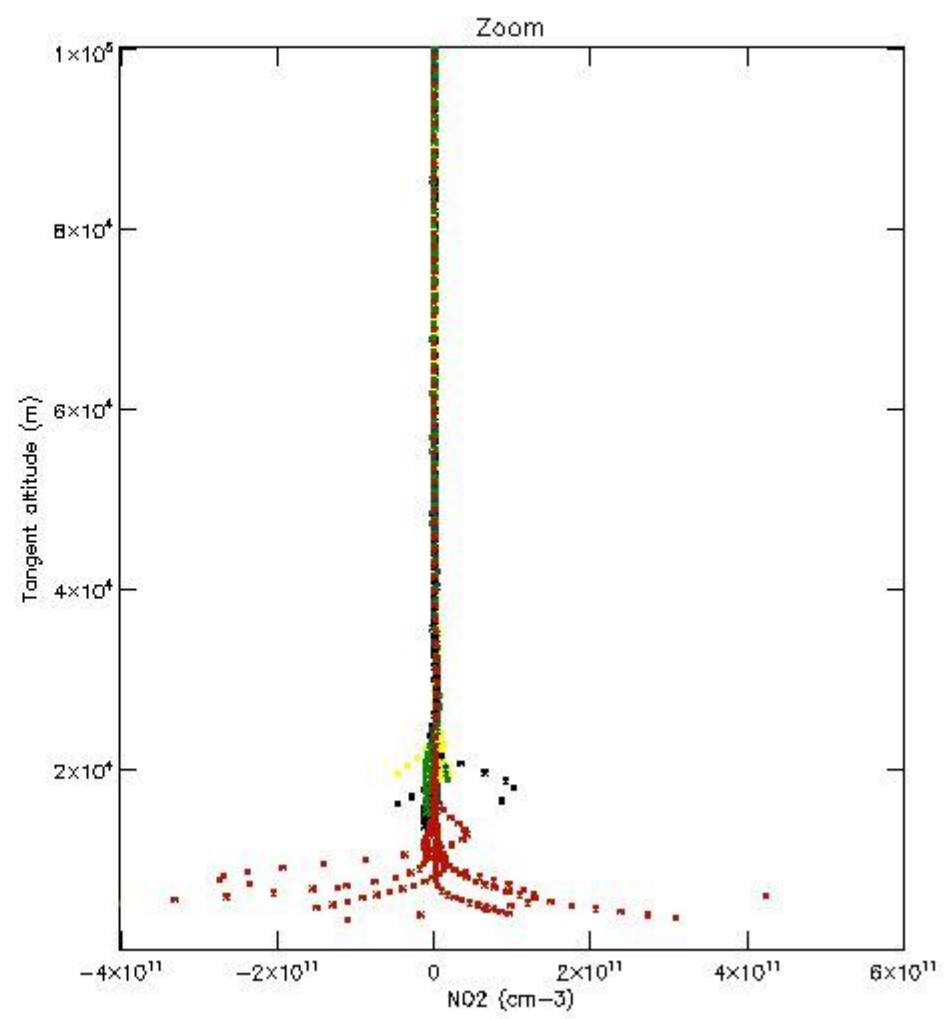
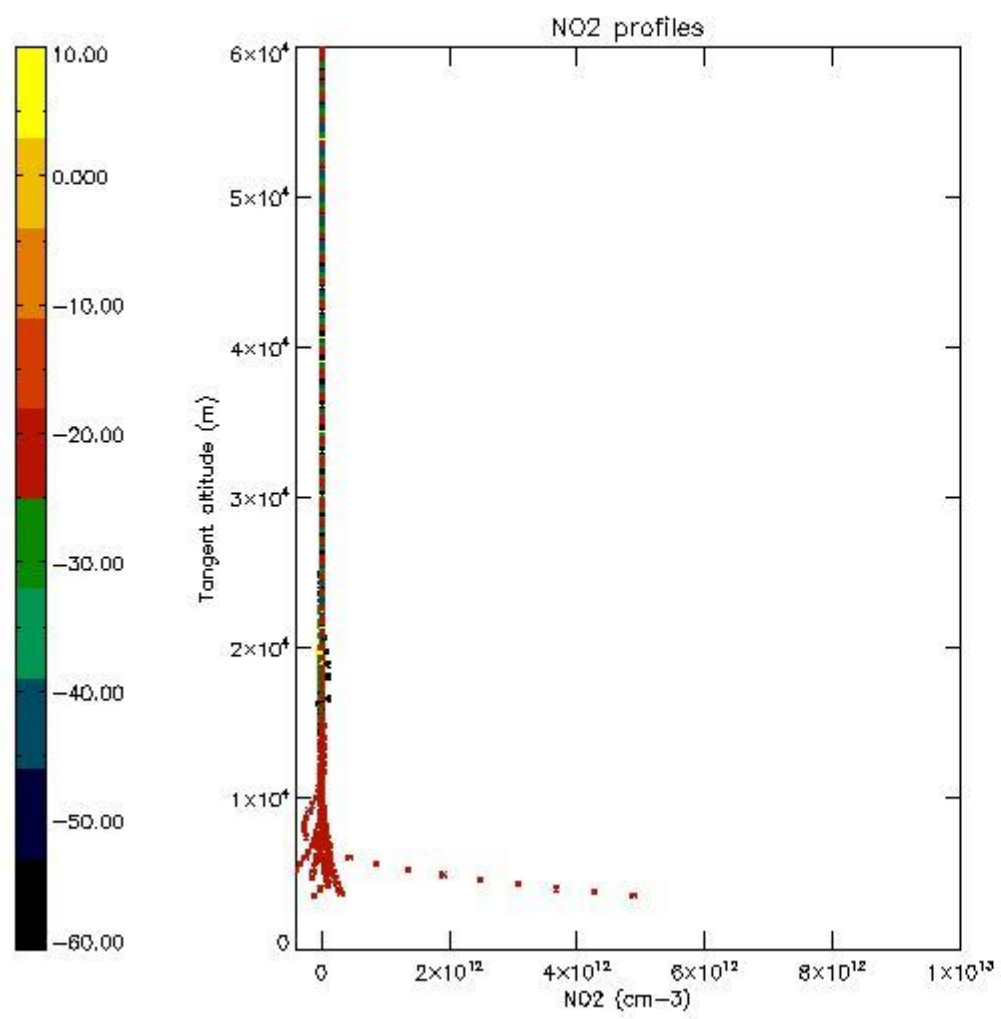
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



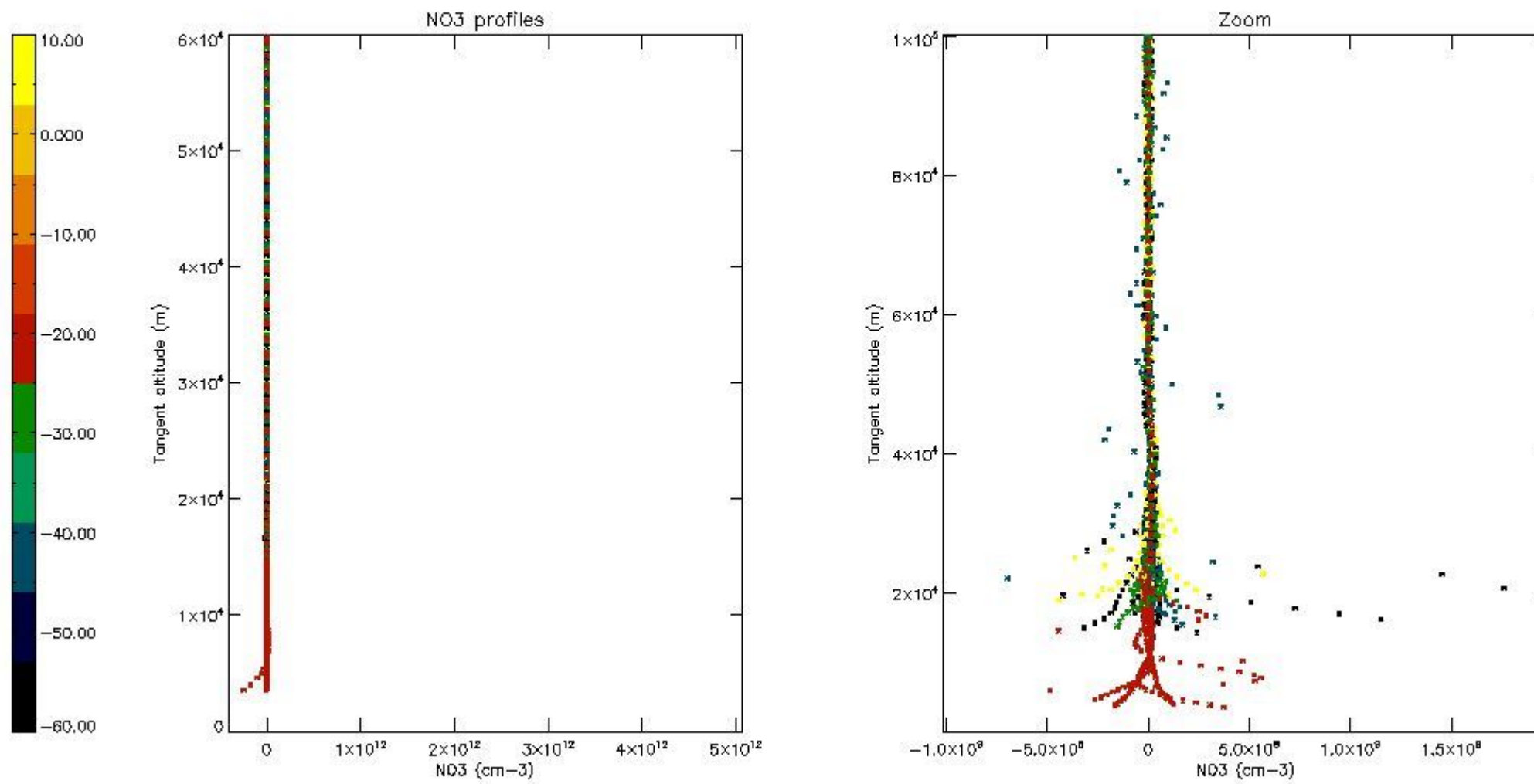
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

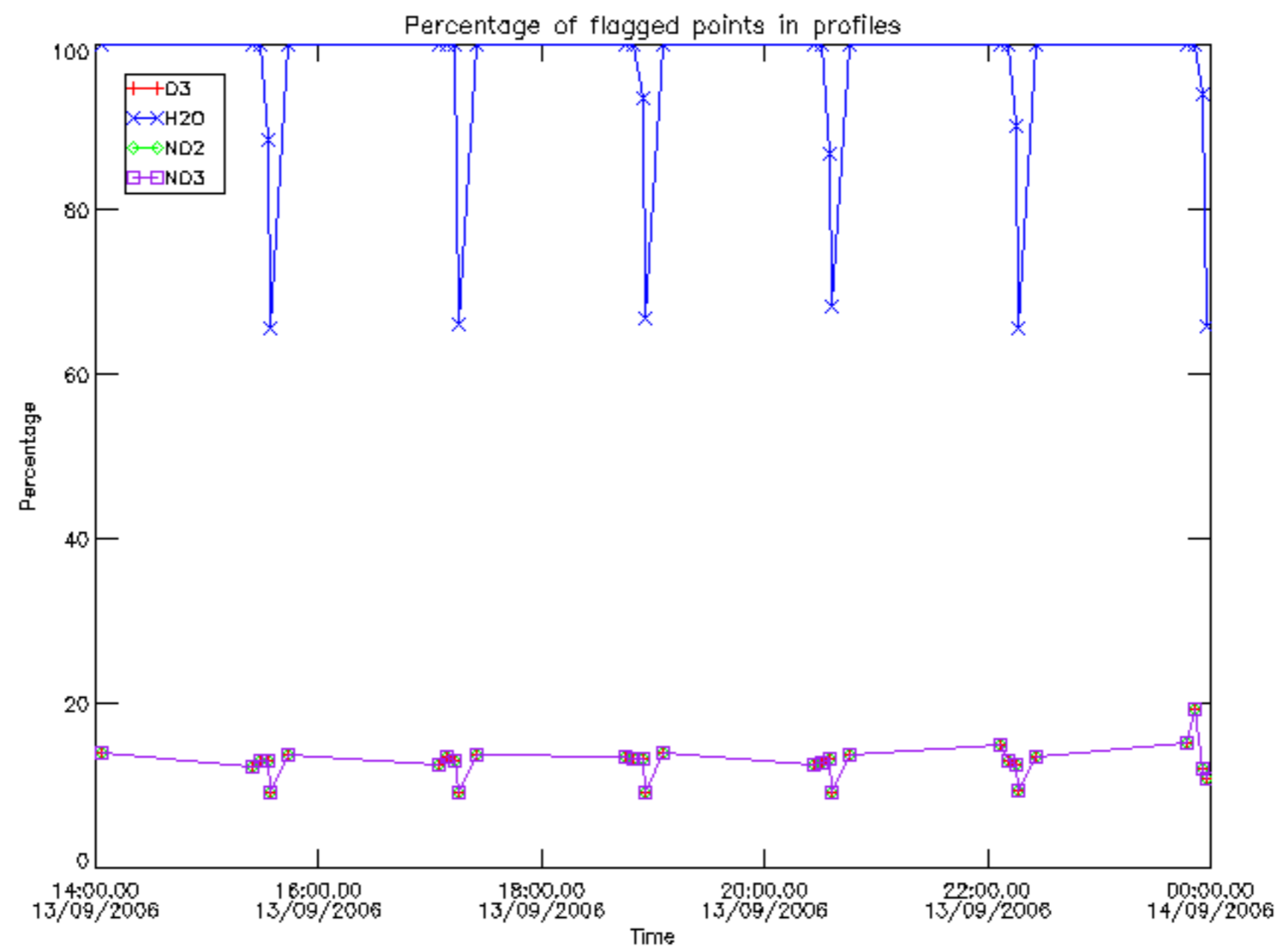
The colorbar represents the latitude.



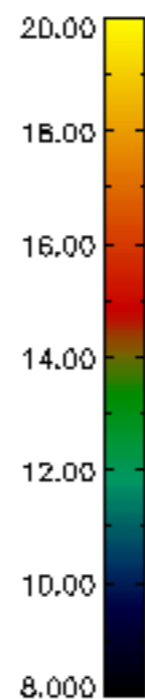
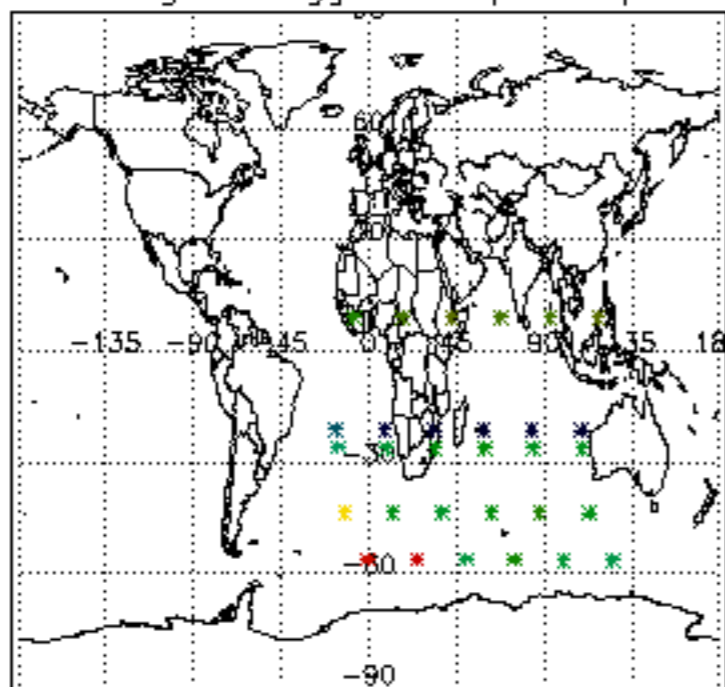
6. Auxiliary Data Files used for the production reported in section 2

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

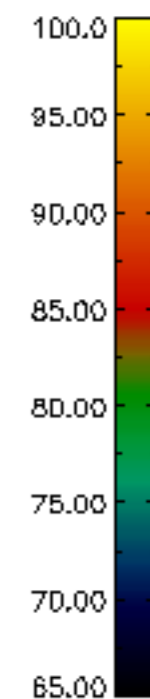
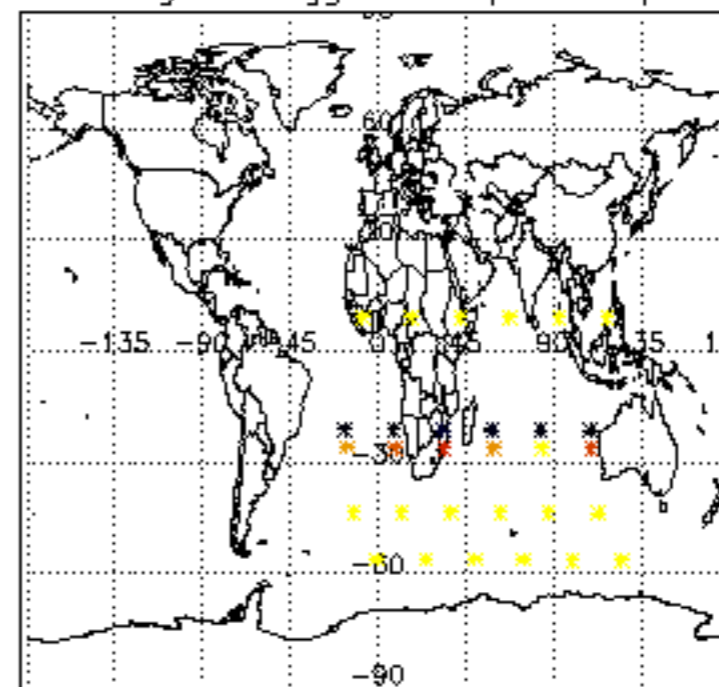
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	13-SEP-2006 14:03:15
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	13-SEP-2006 14:03:15
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	13-SEP-2006 14:03:15



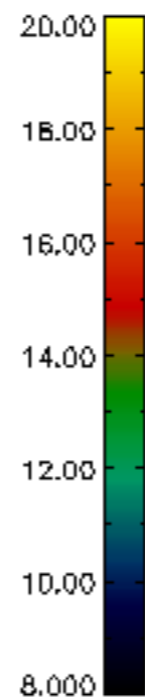
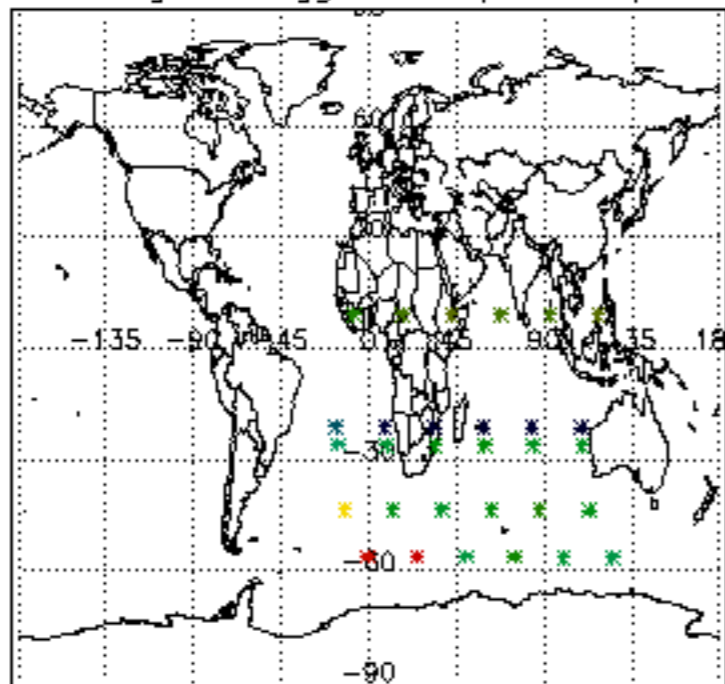
Percentage of flagged data per D3 profile



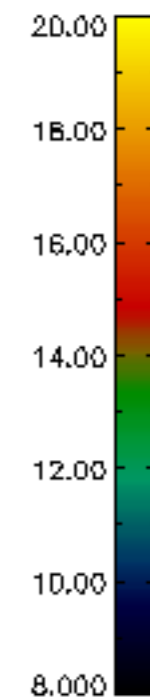
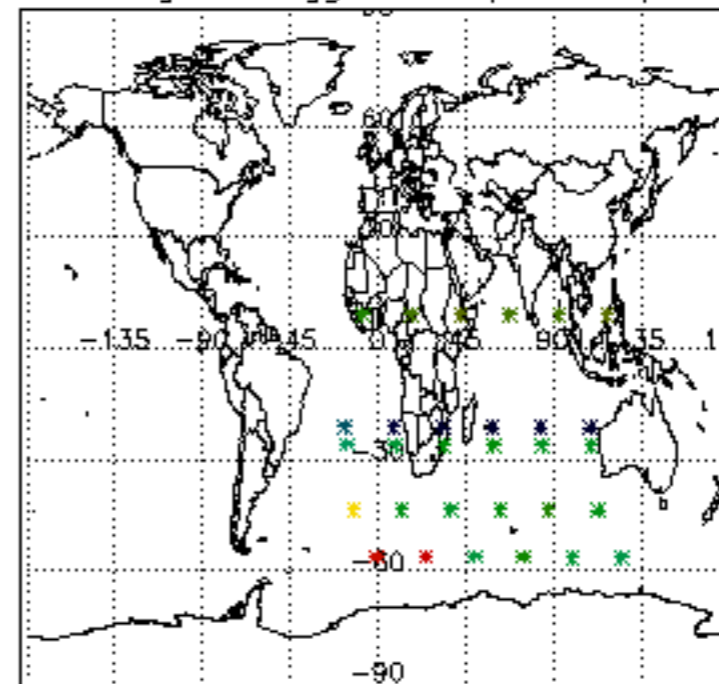
Percentage of flagged data per H2O profile

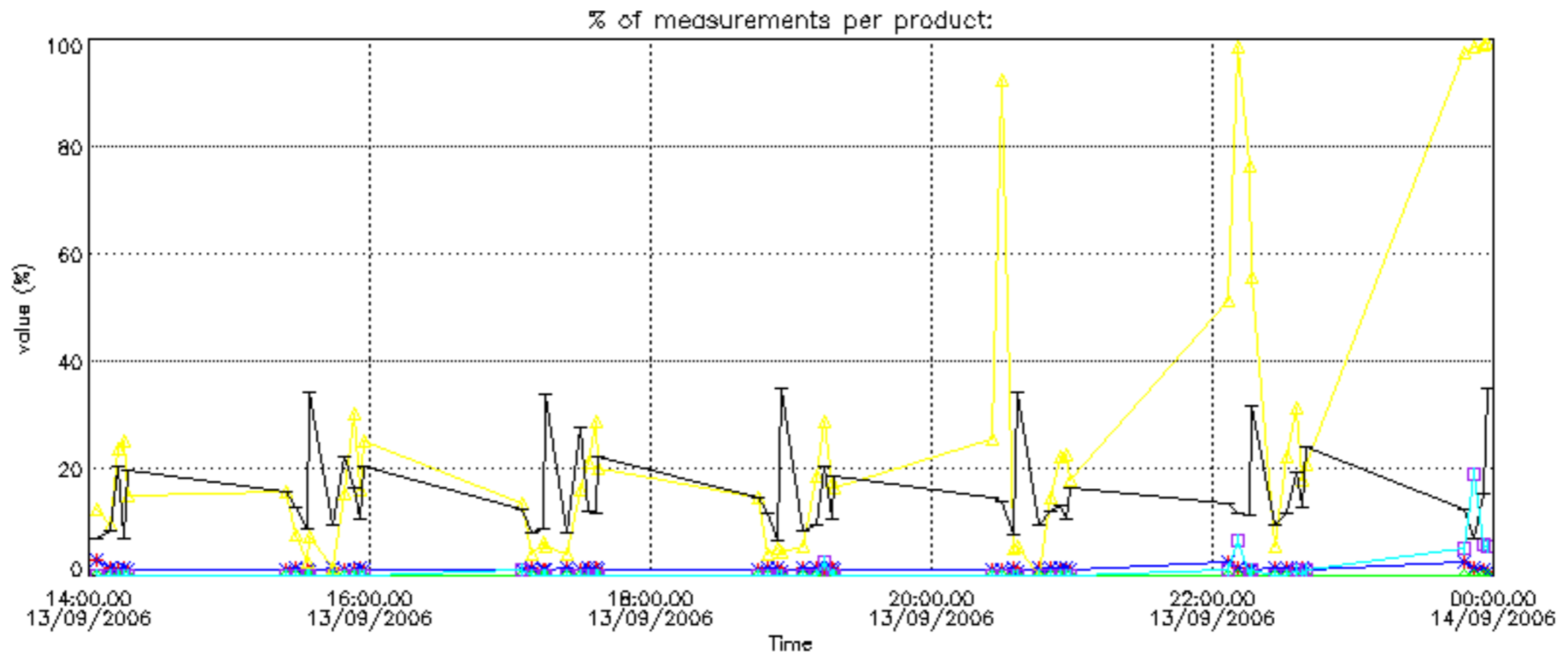


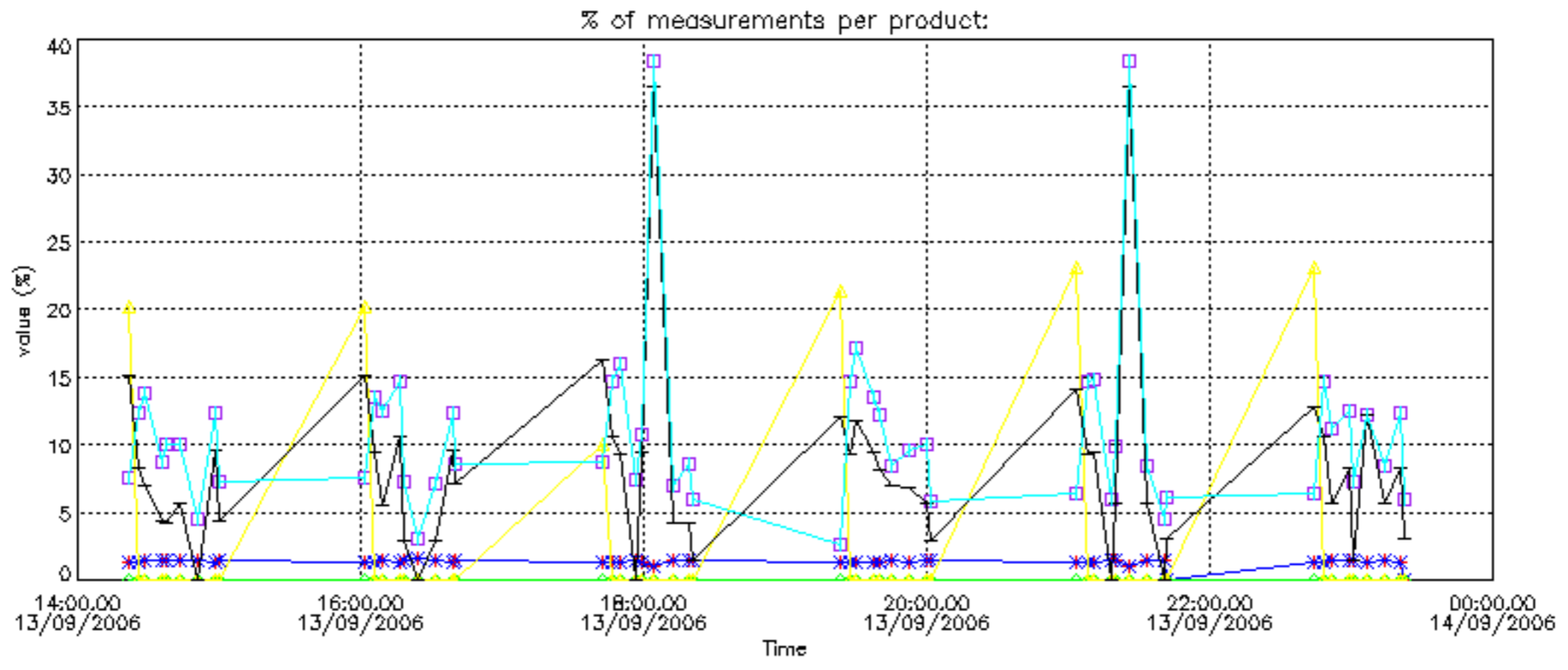
Percentage of flagged data per NO2 profile



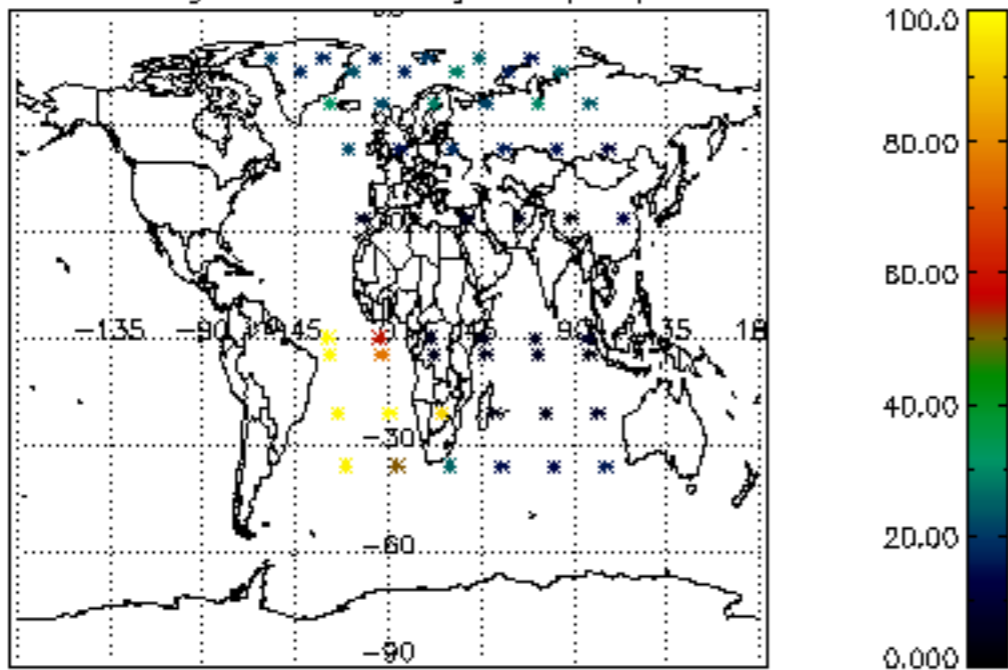
Percentage of flagged data per NO3 profile



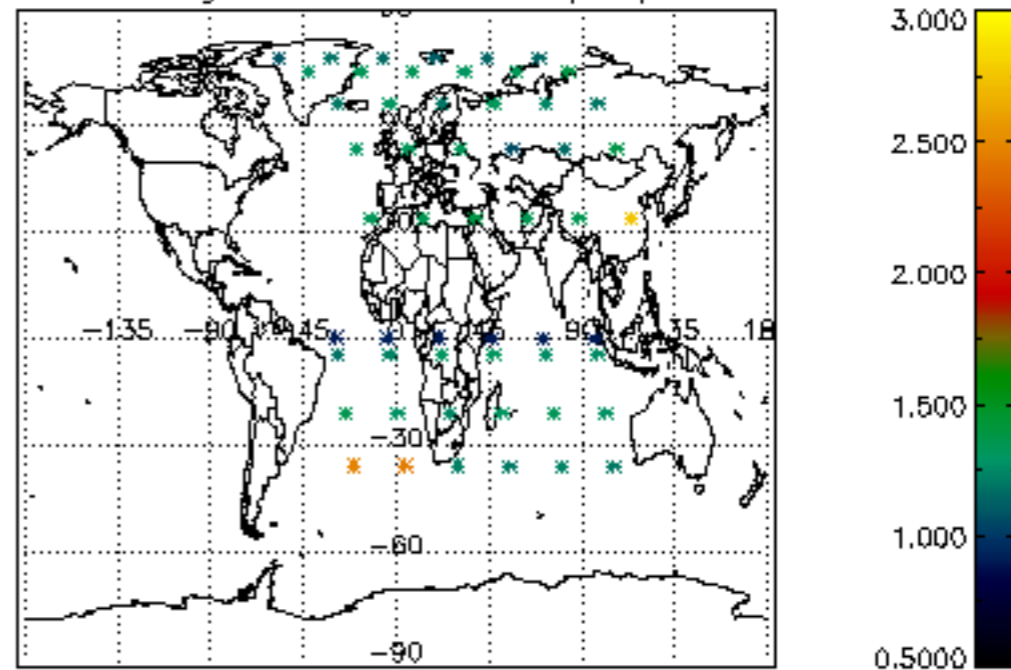




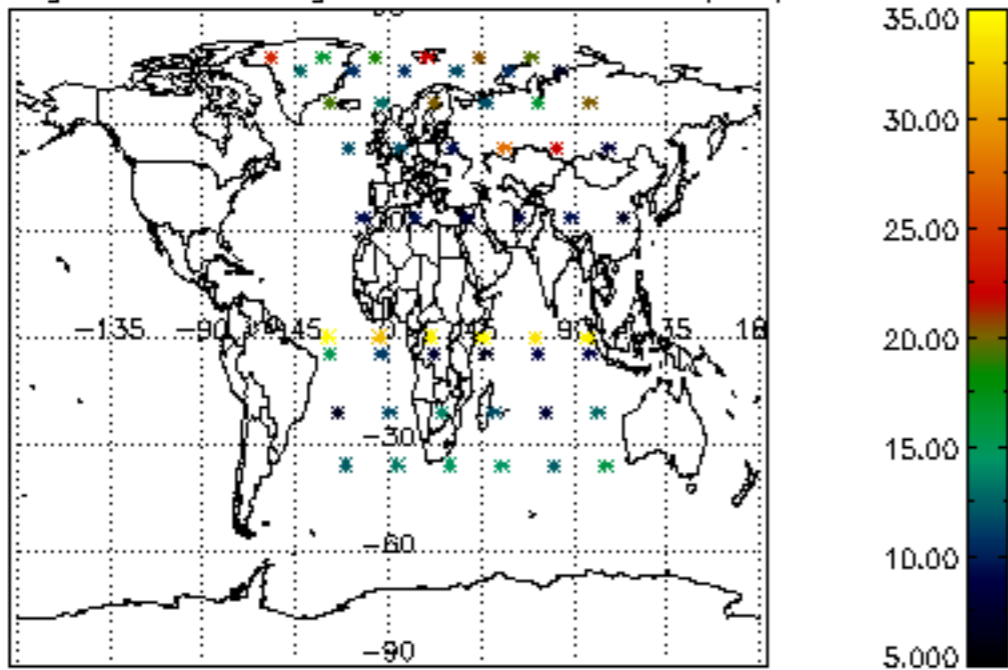
Percentage of cosmic ray hits per profile



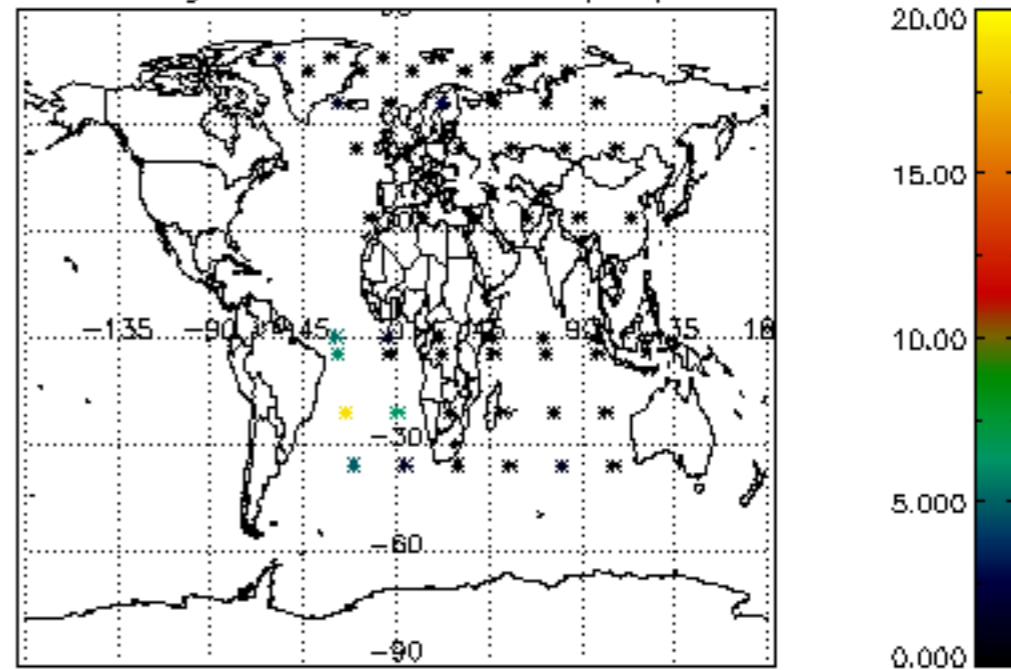
Percentage of datation errors per profile



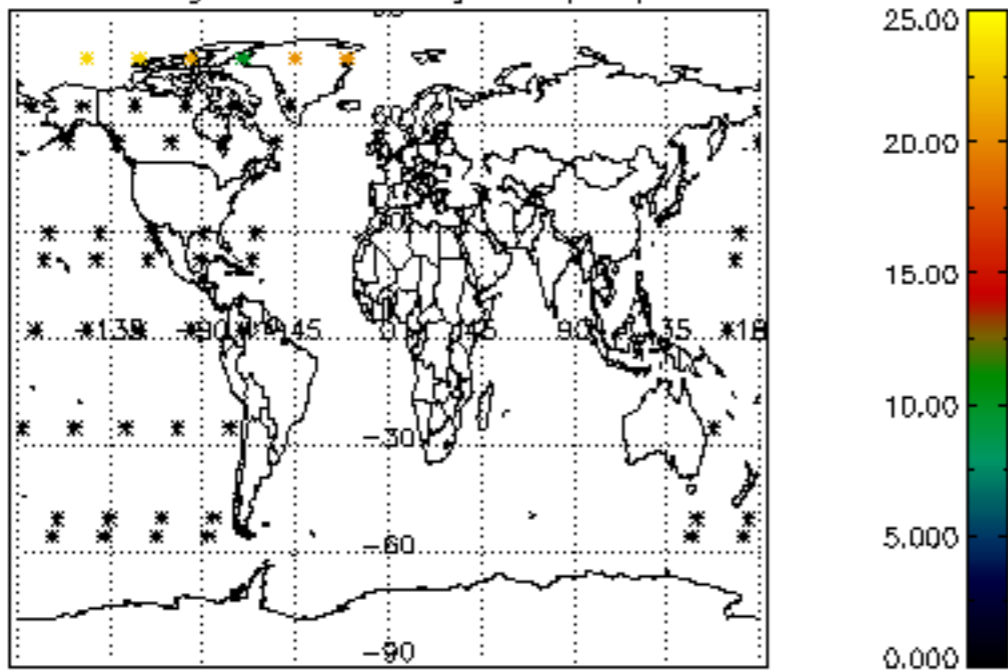
Percentage of star falling outside central band per profile



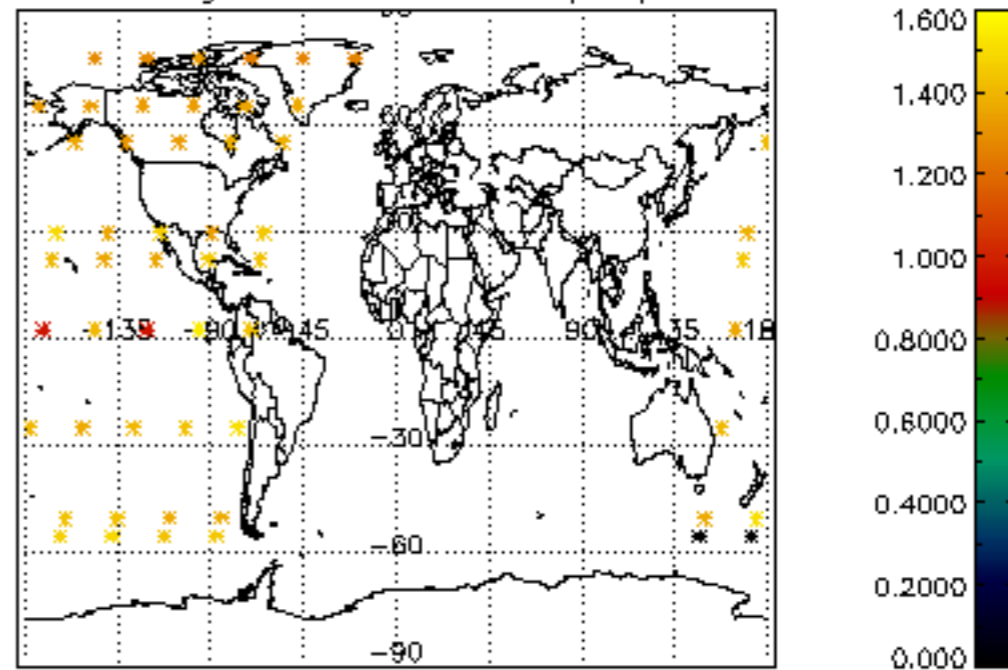
Percentage of saturation errors per profile



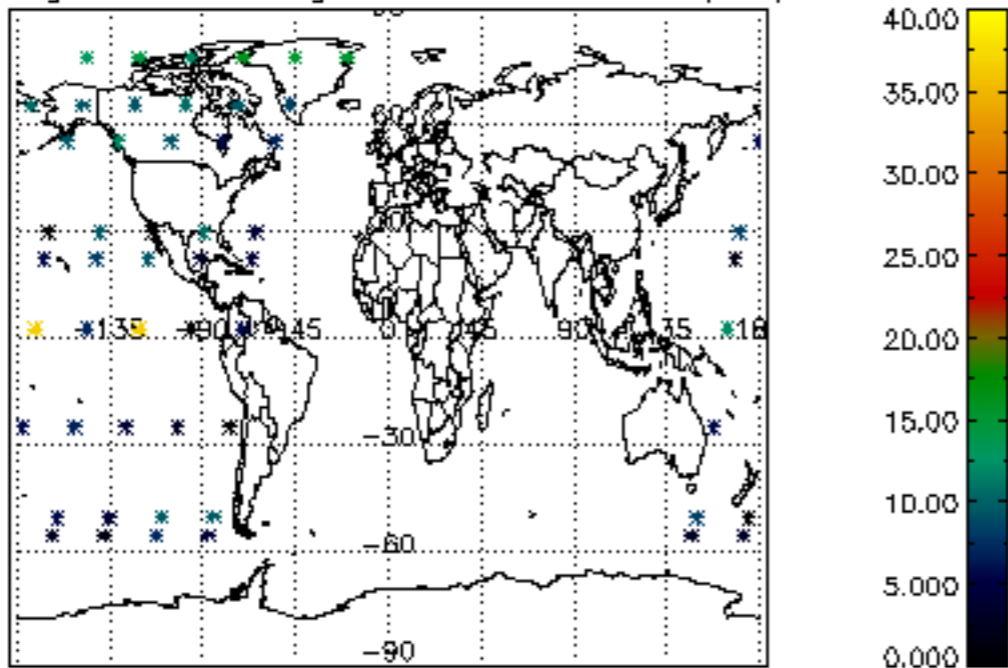
Percentage of cosmic ray hits per profile



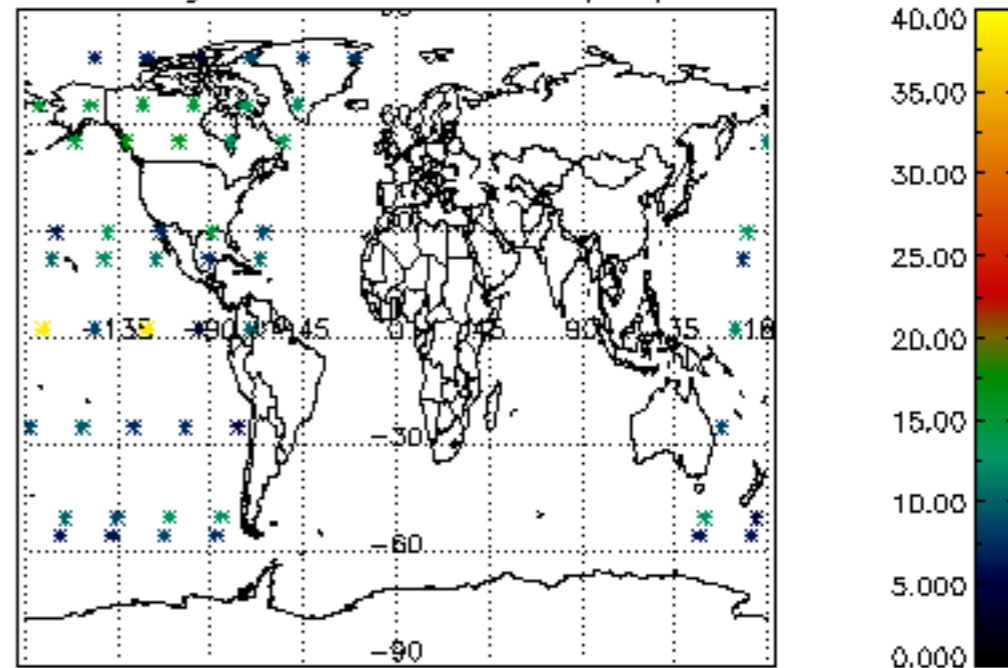
Percentage of datation errors per profile

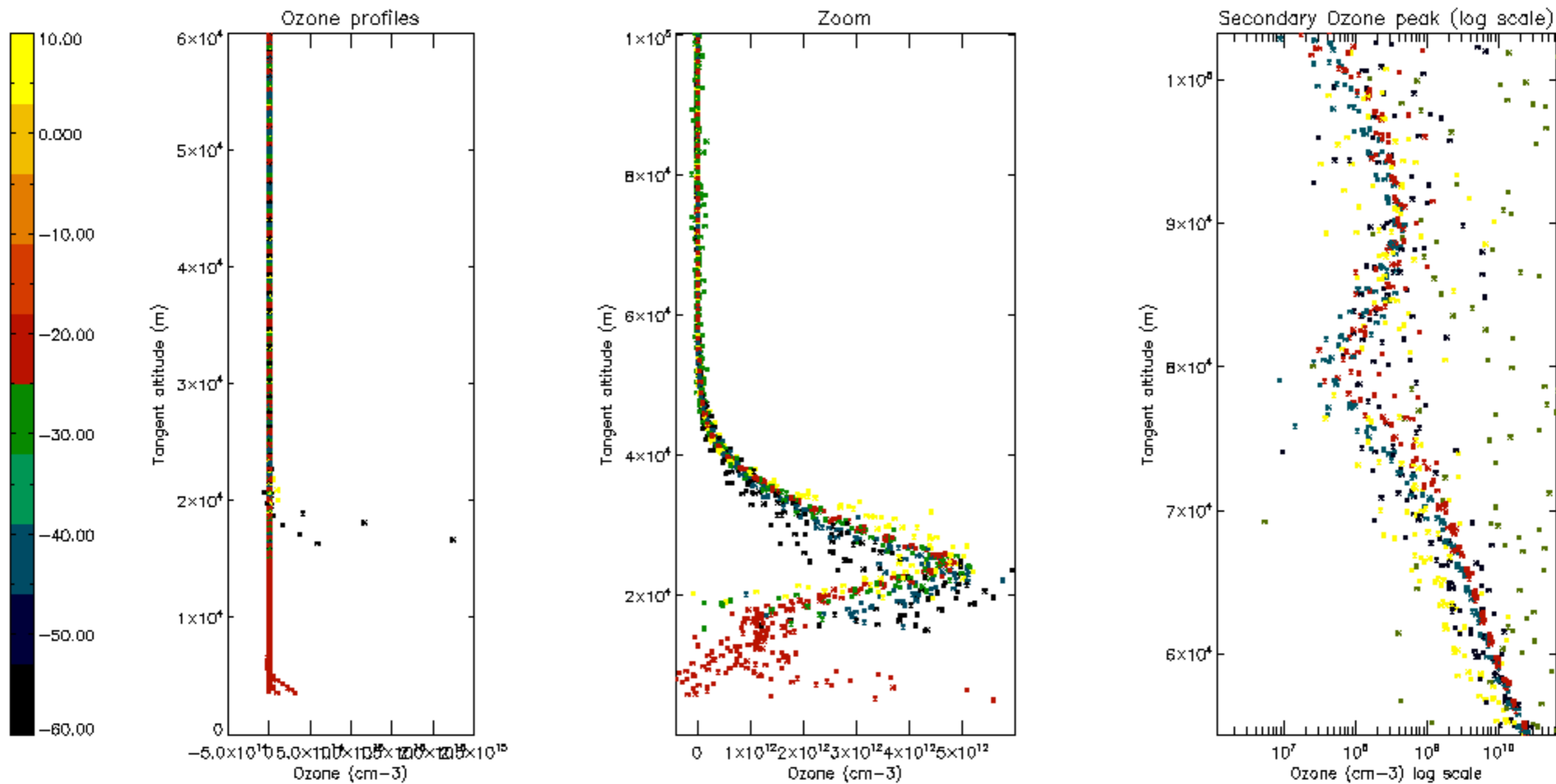


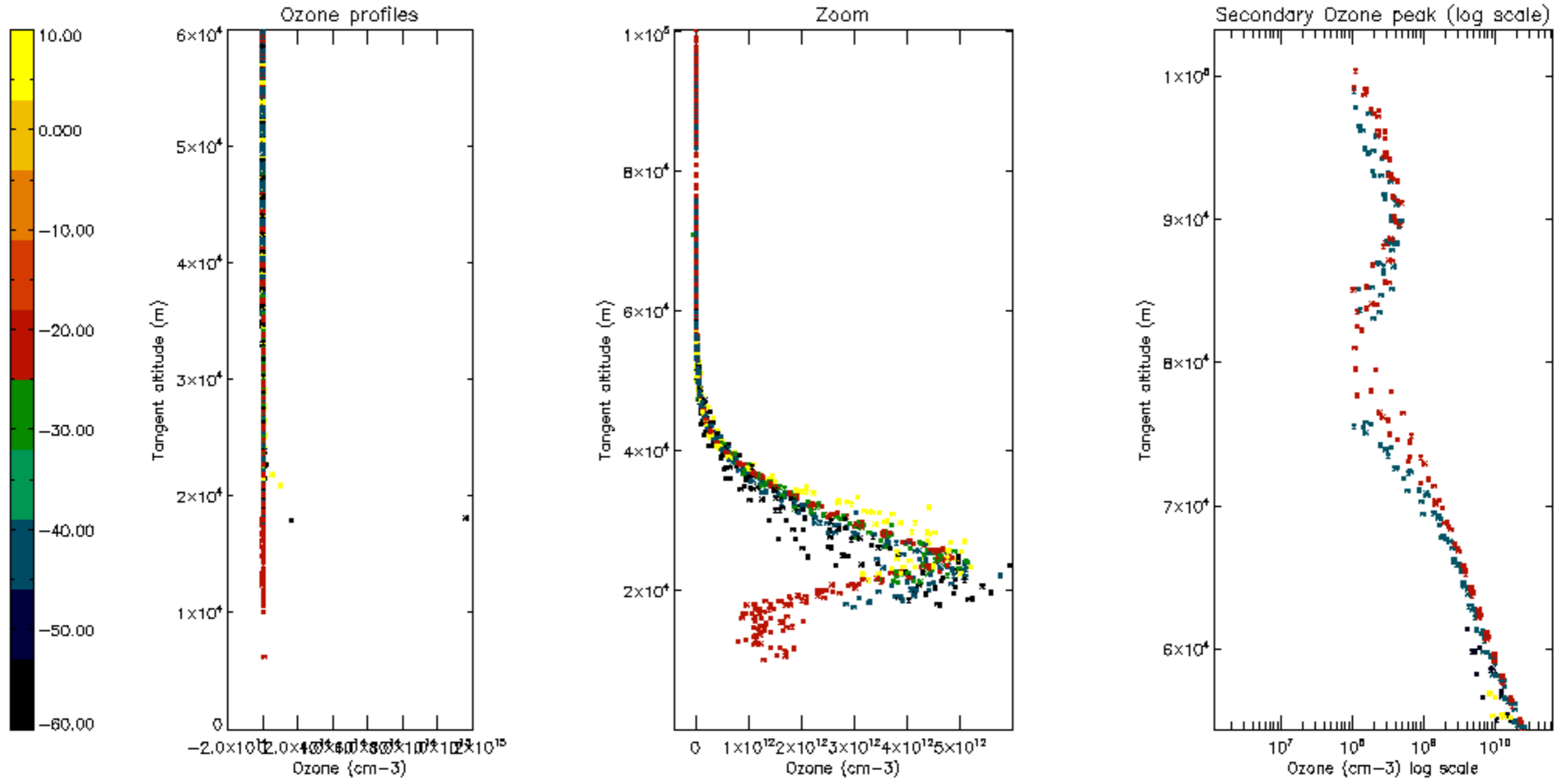
Percentage of star falling outside central band per profile

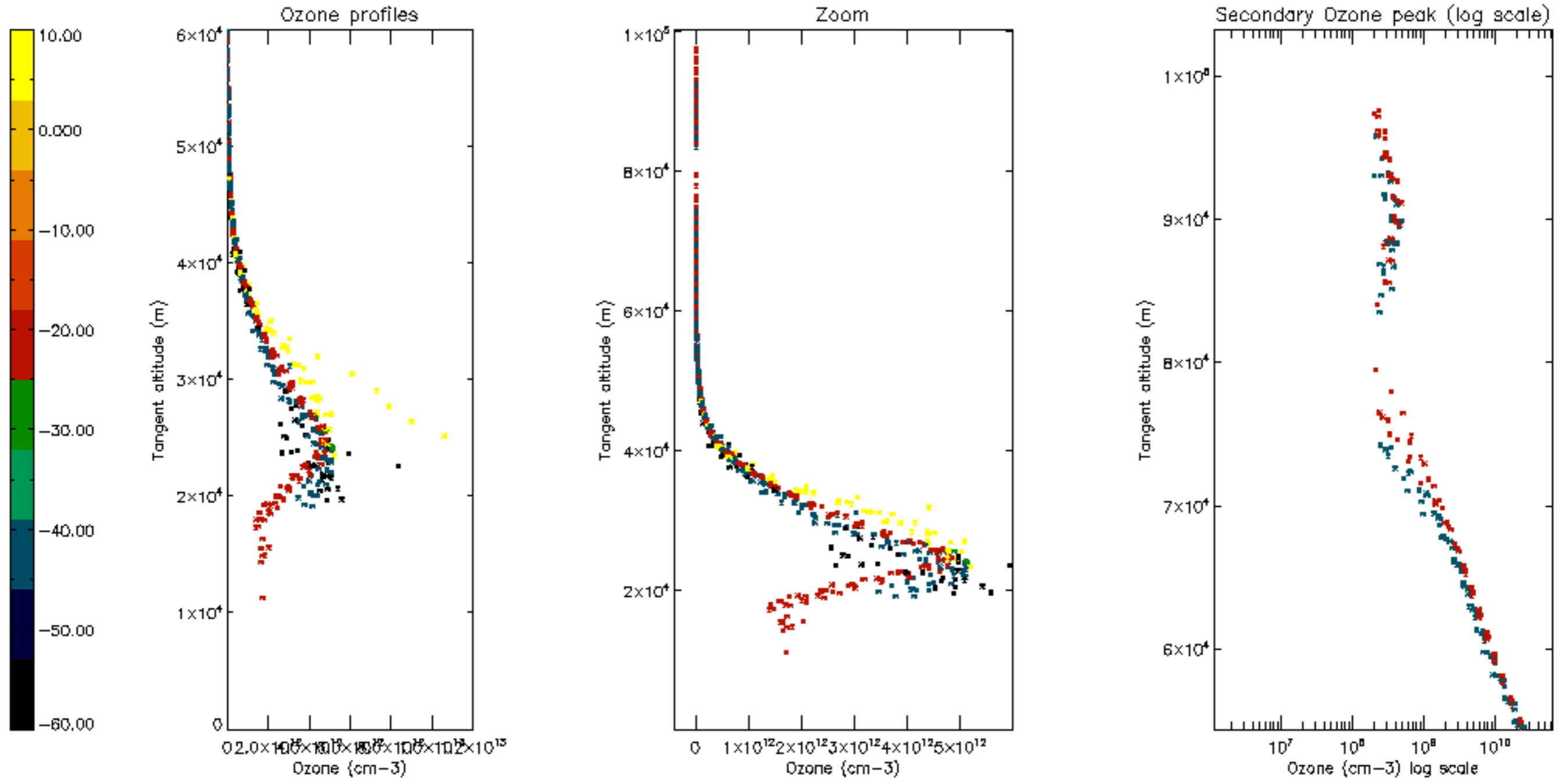


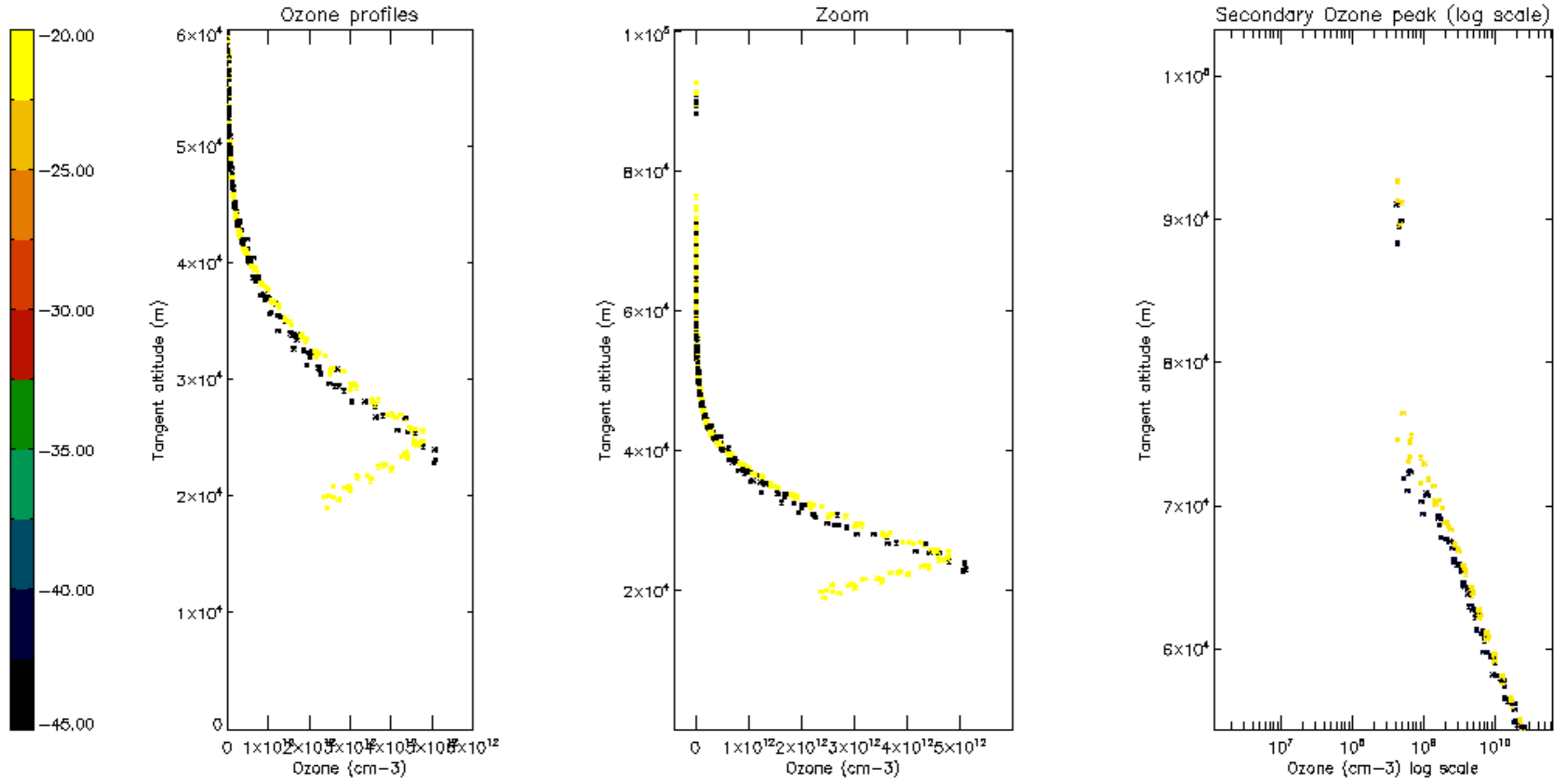
Percentage of saturation errors per profile

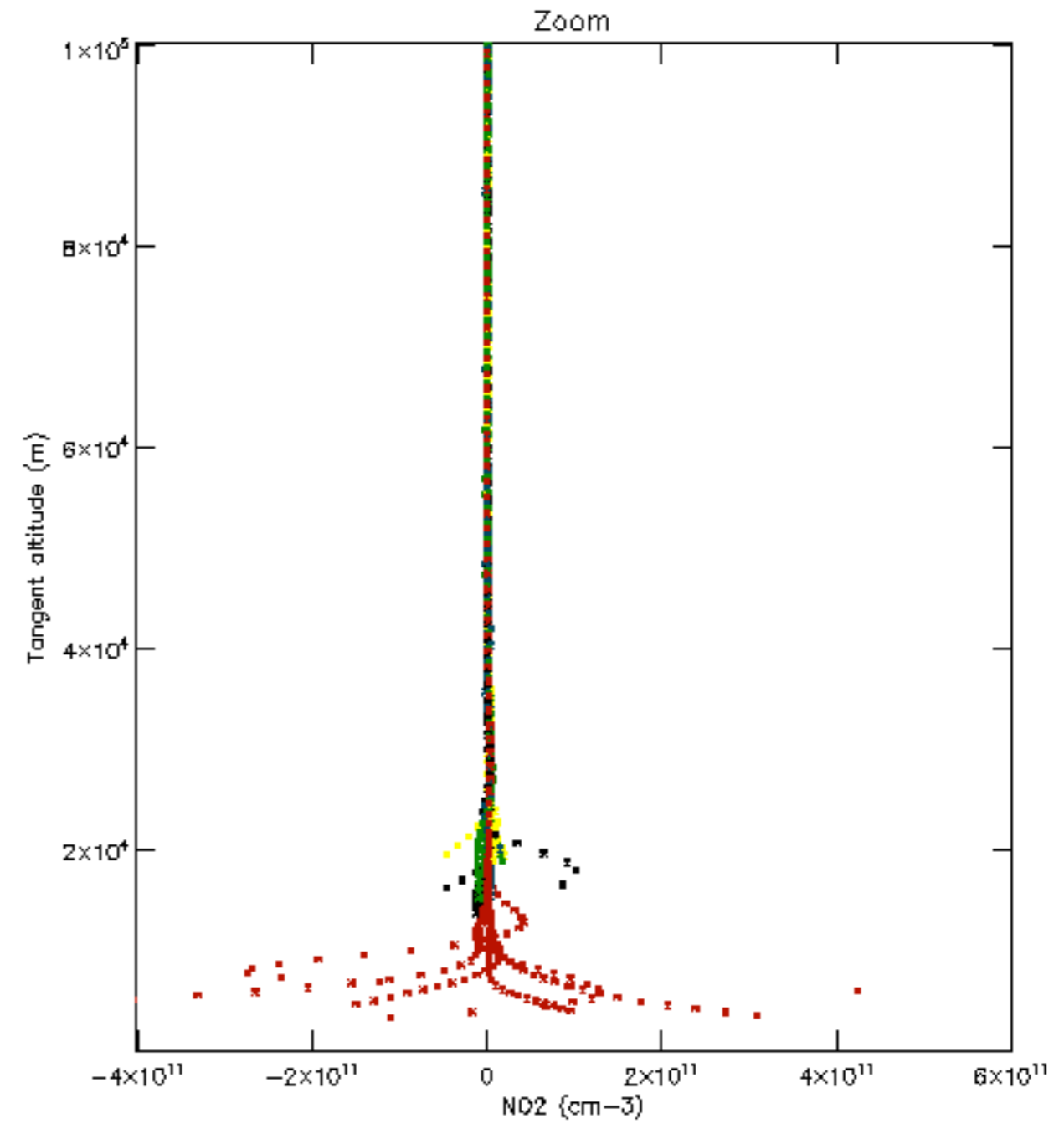
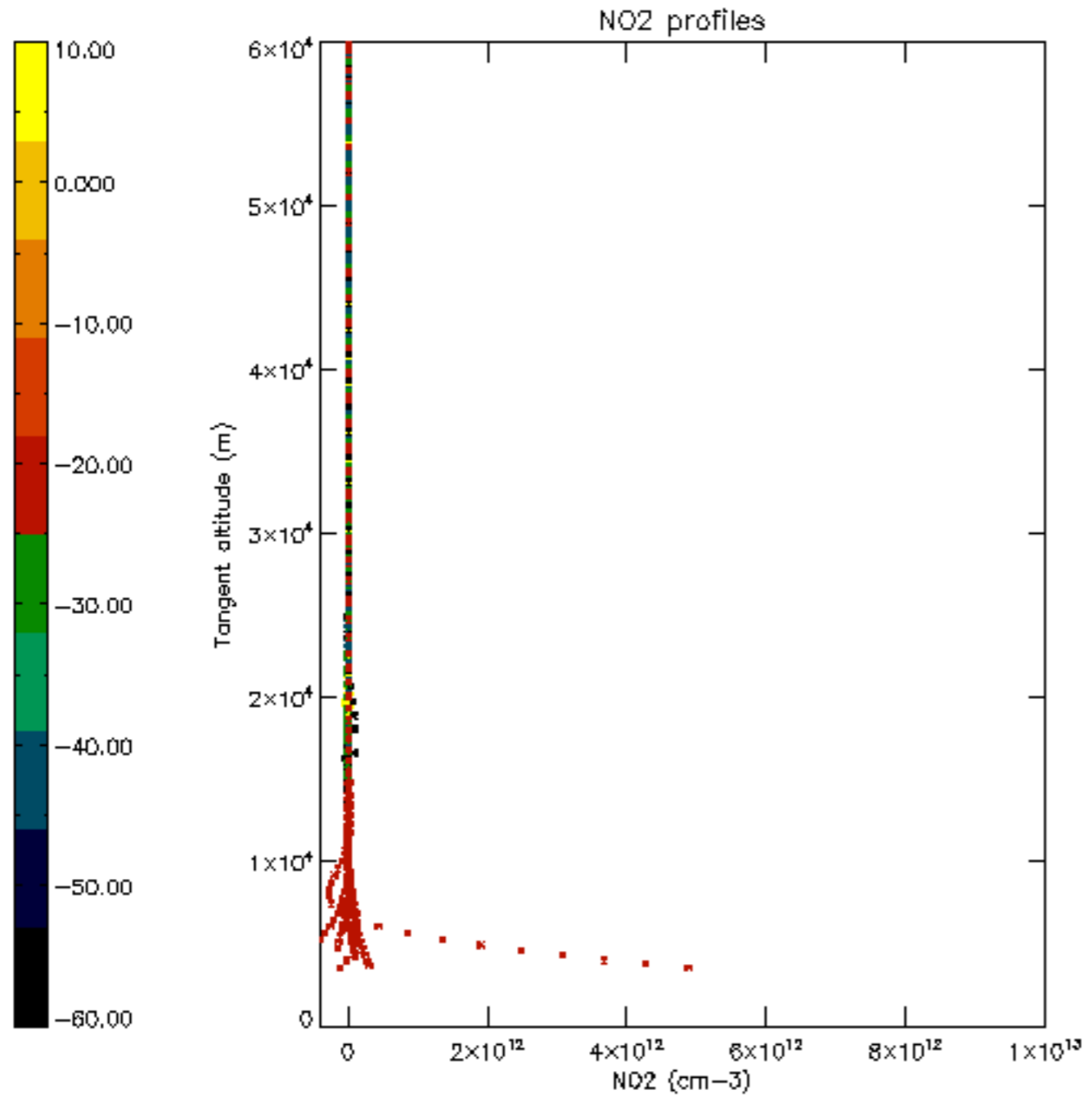


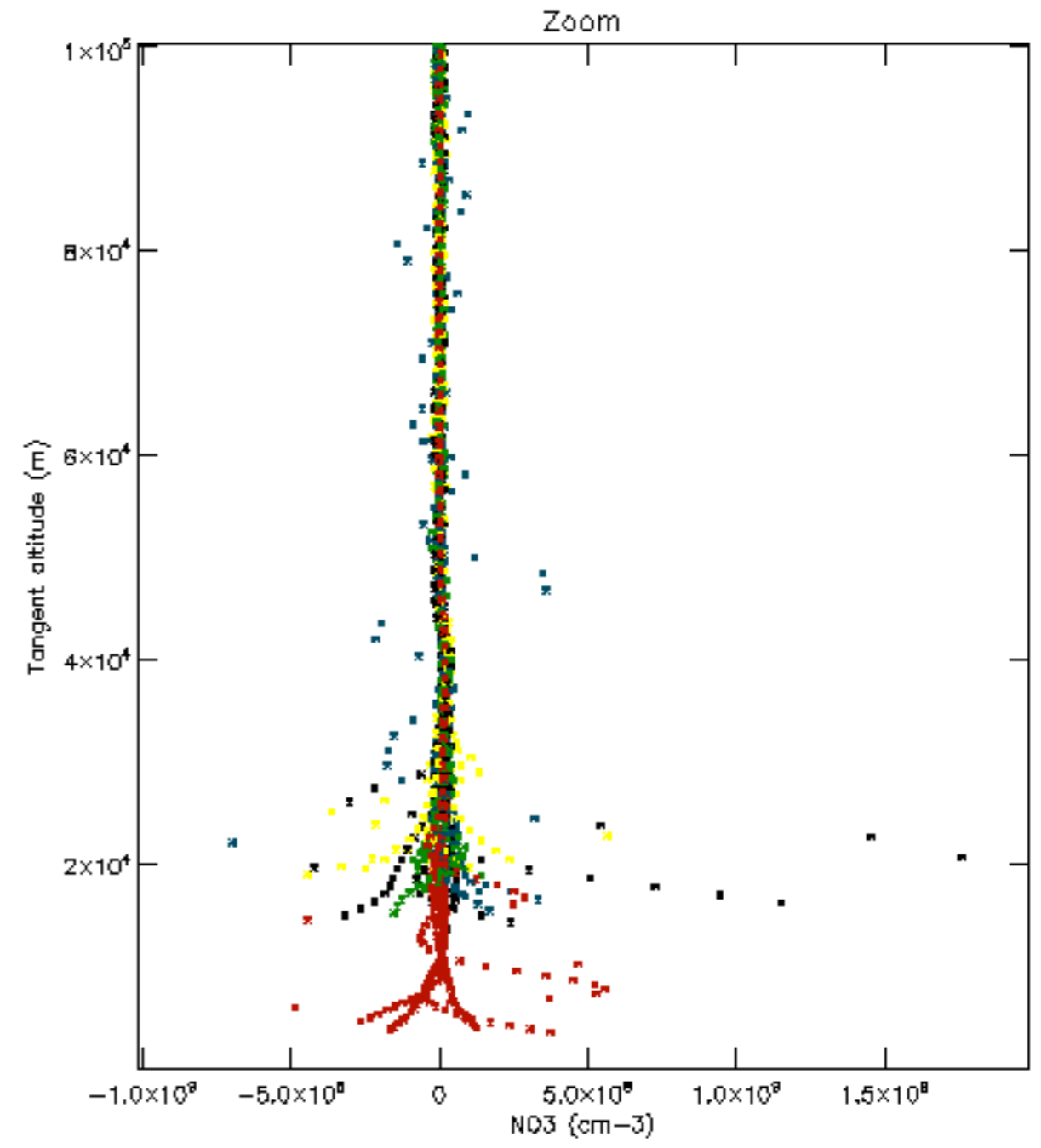
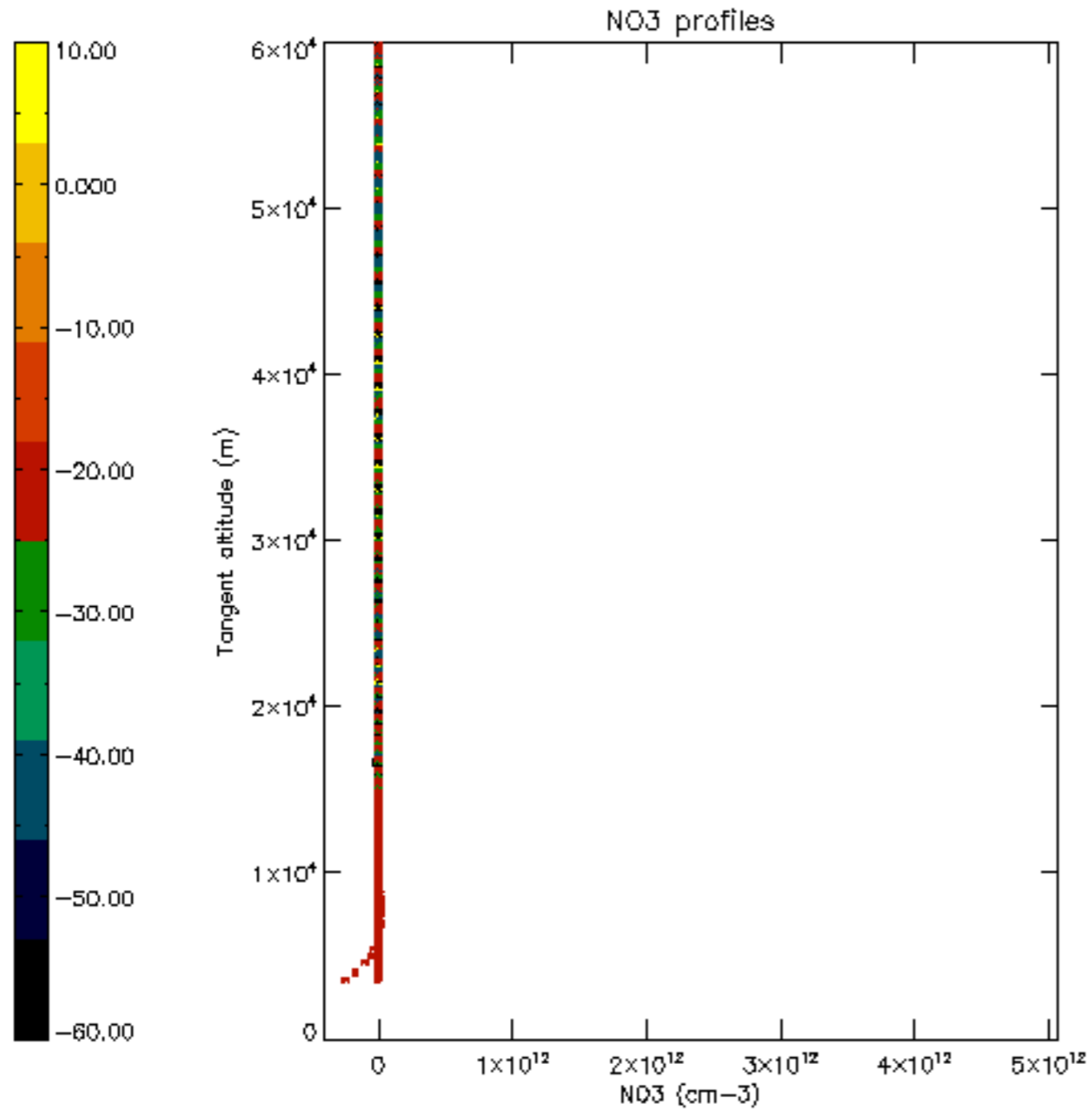


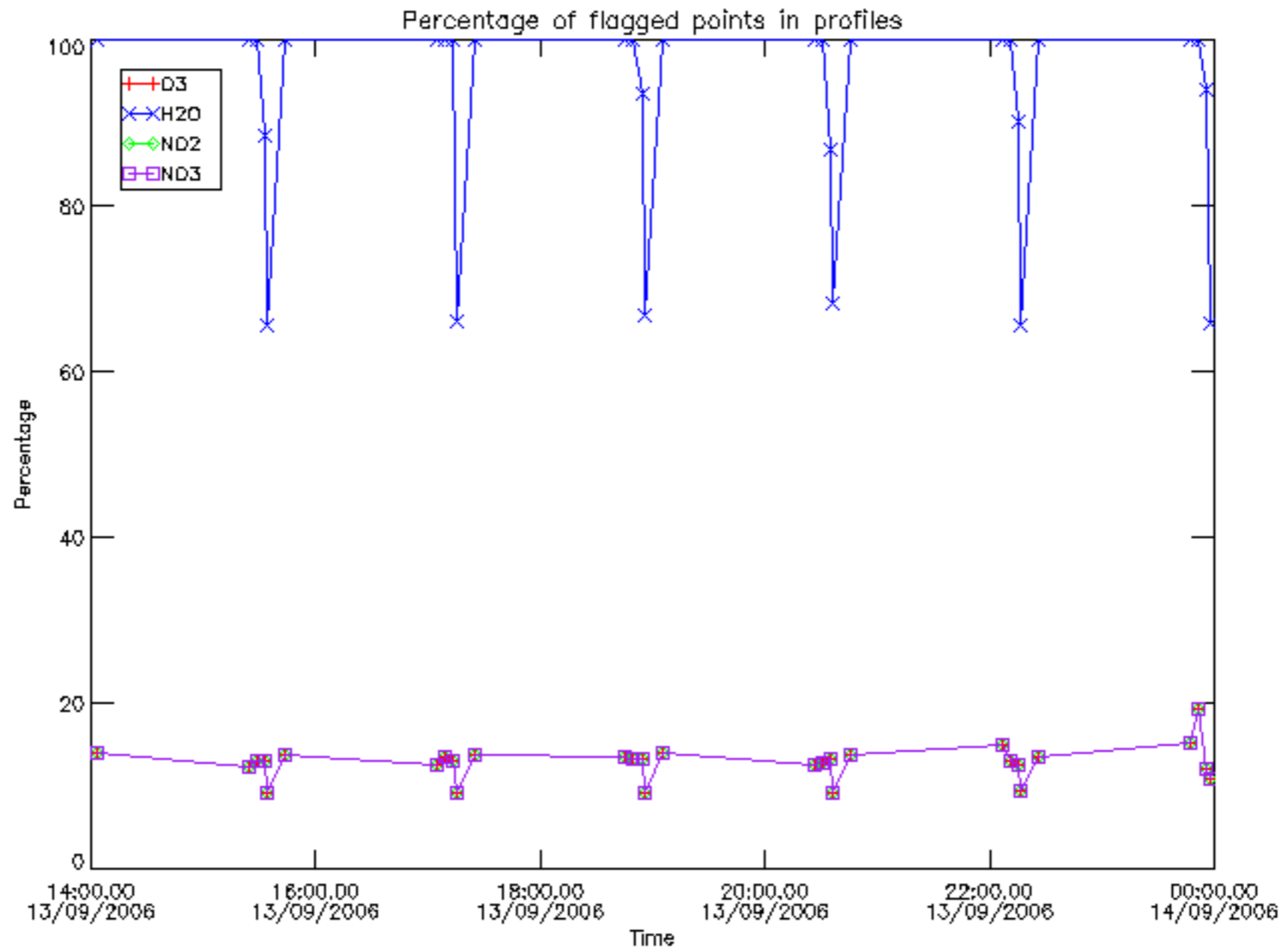




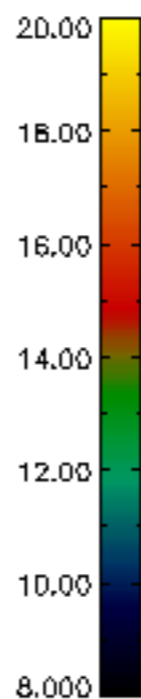
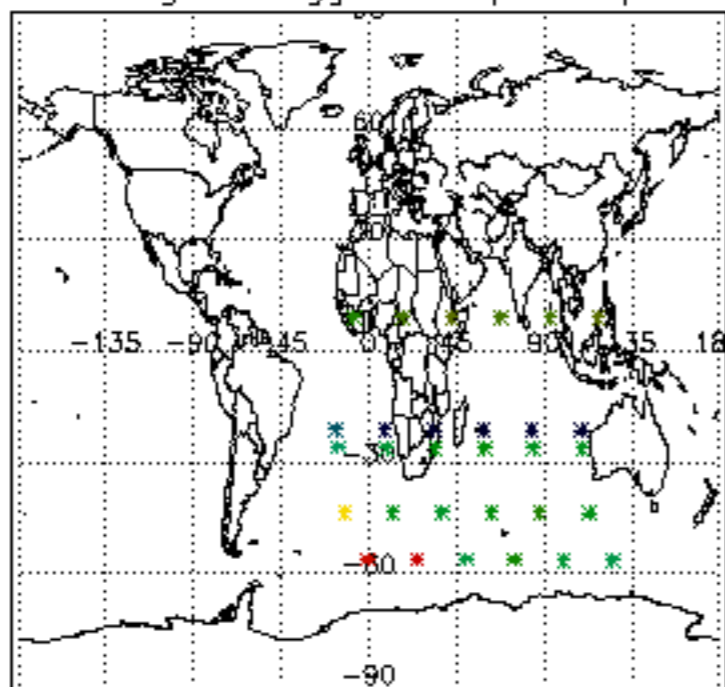




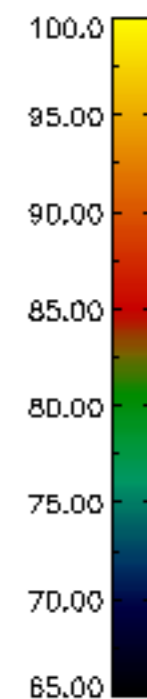
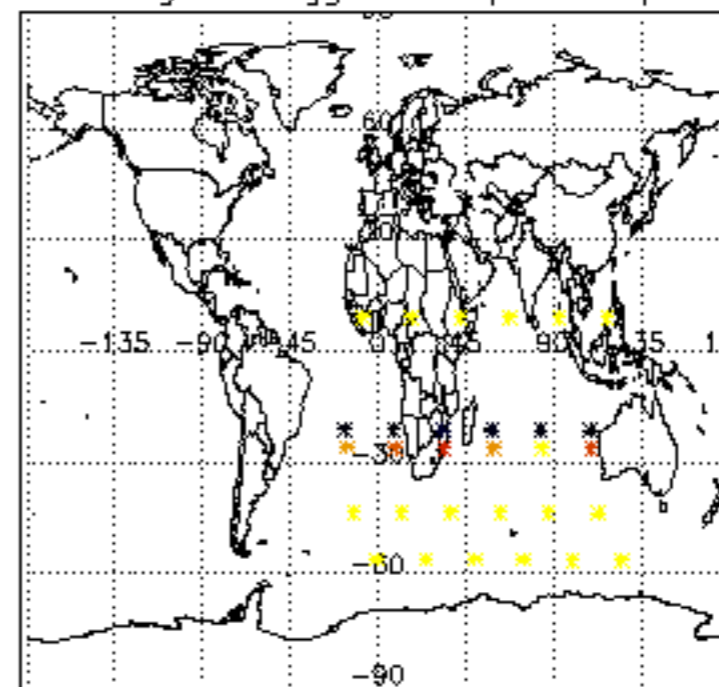




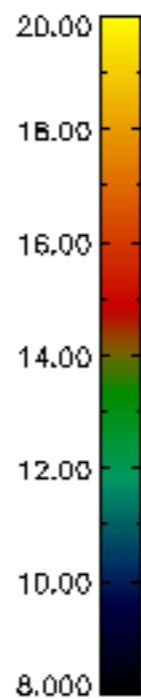
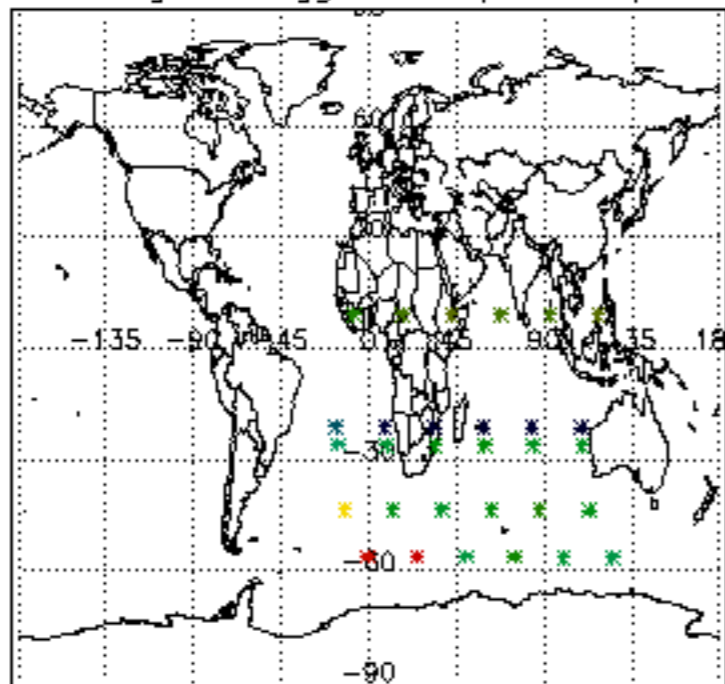
Percentage of flagged data per D3 profile



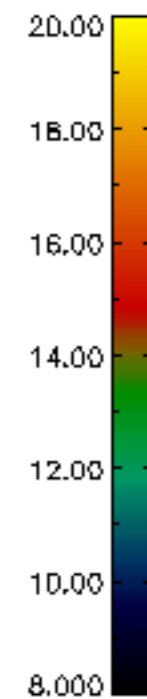
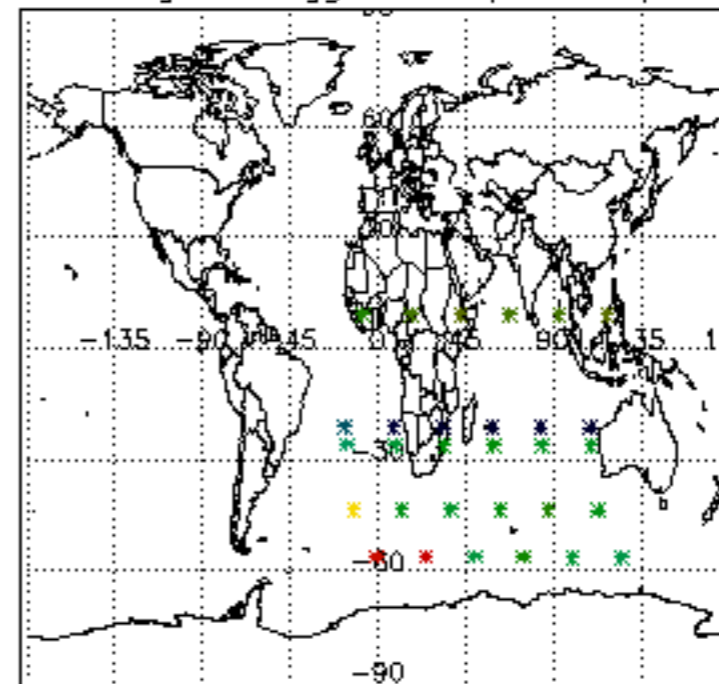
Percentage of flagged data per H2O profile

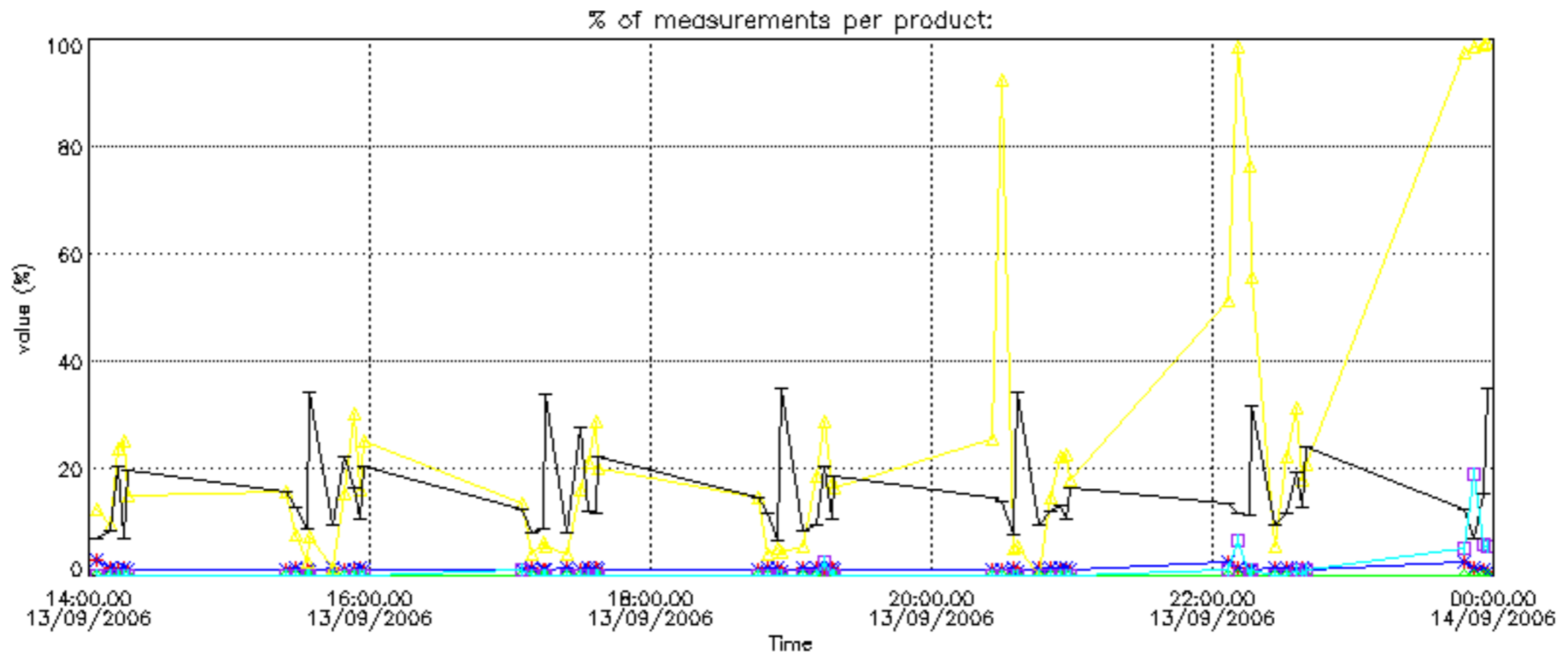


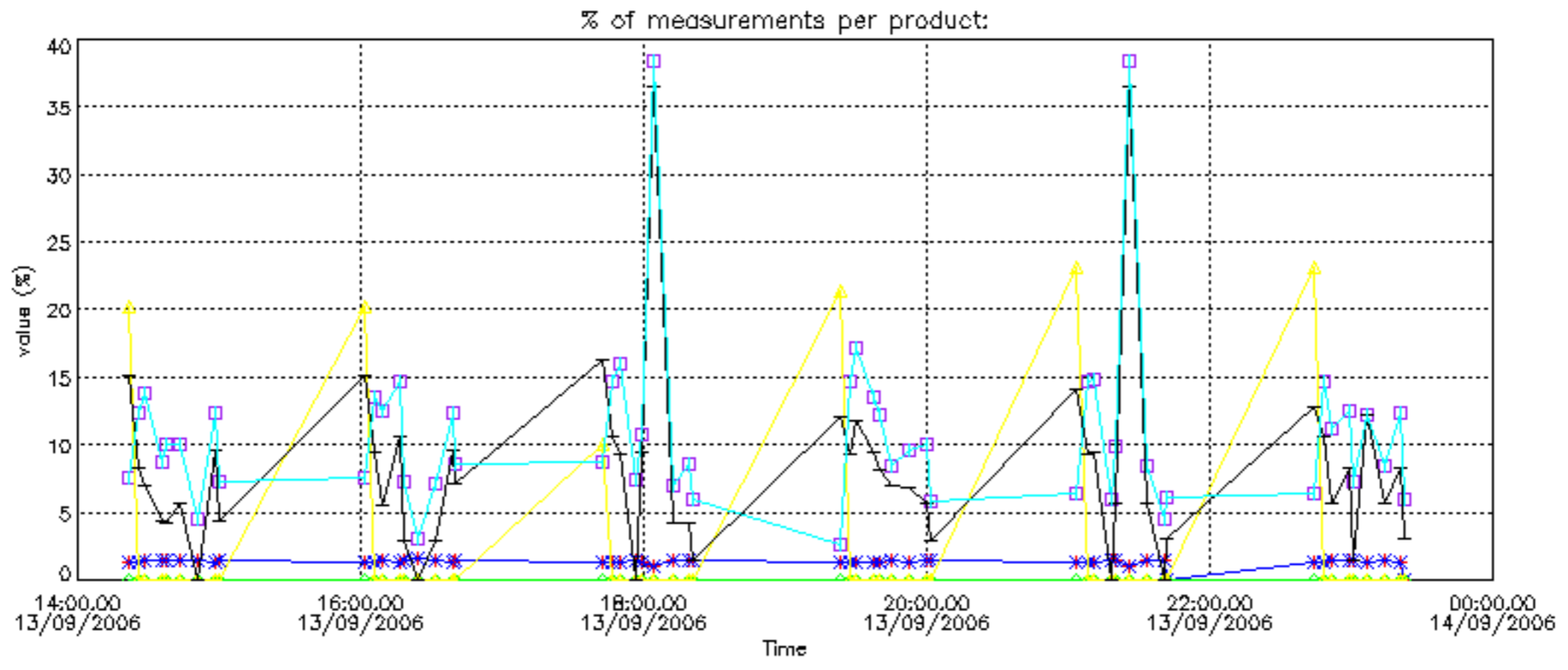
Percentage of flagged data per NO2 profile



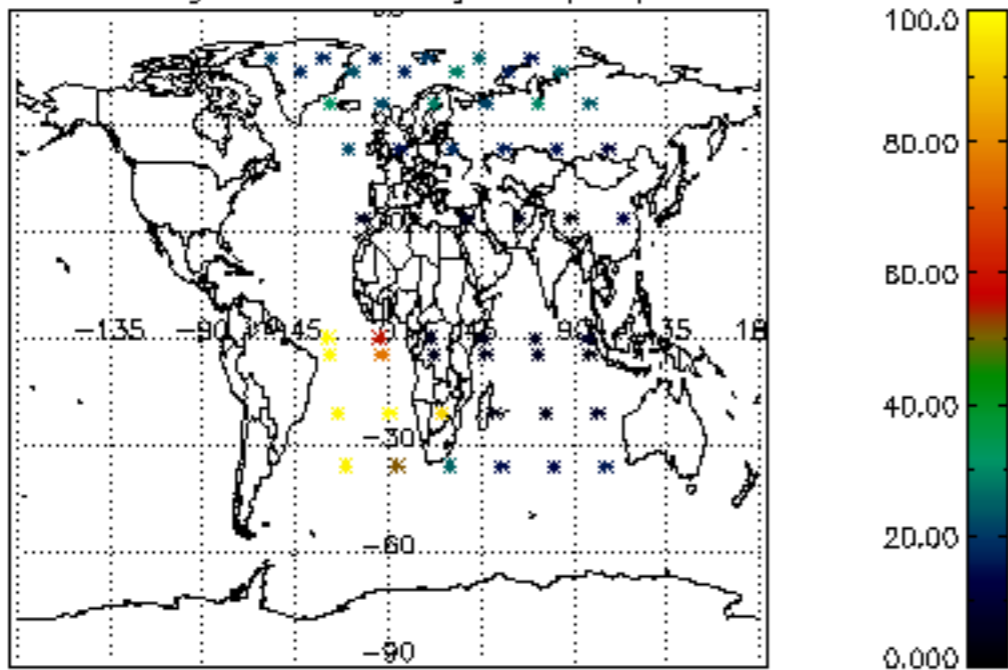
Percentage of flagged data per NO3 profile



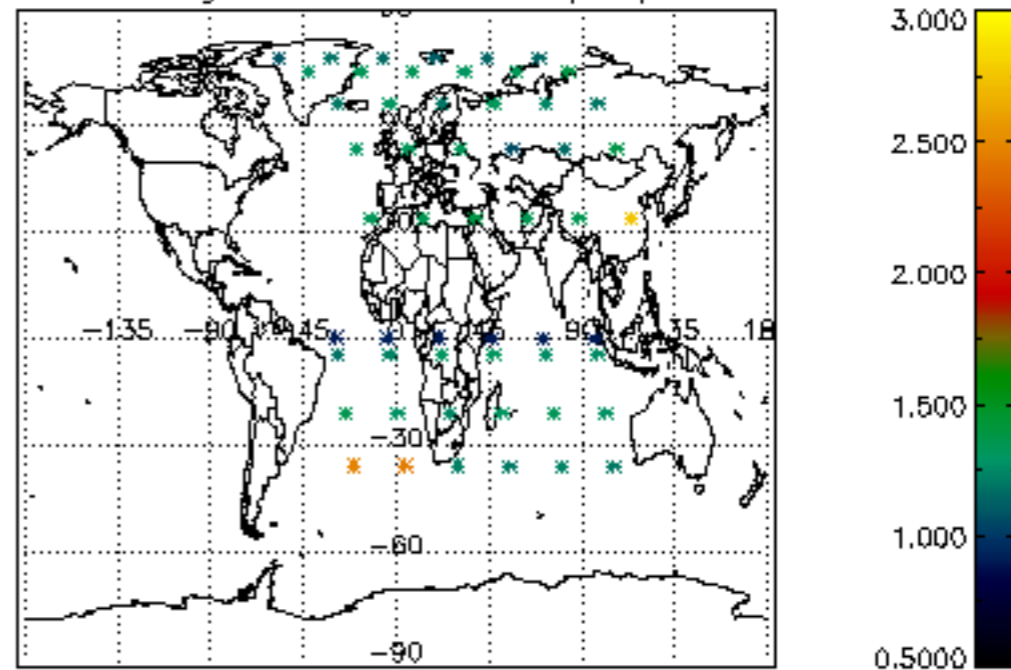




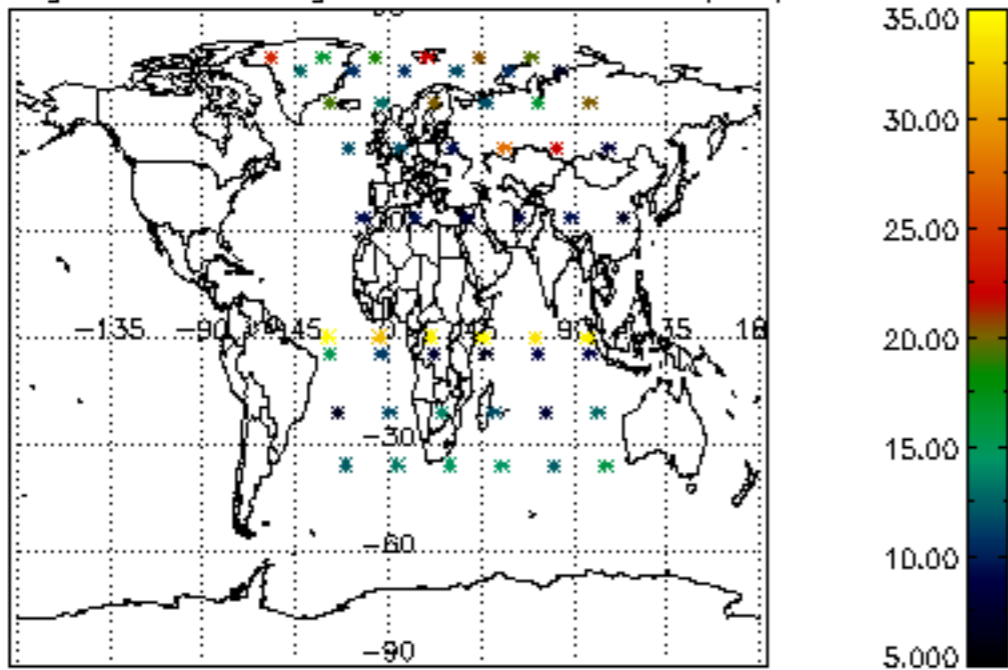
Percentage of cosmic ray hits per profile



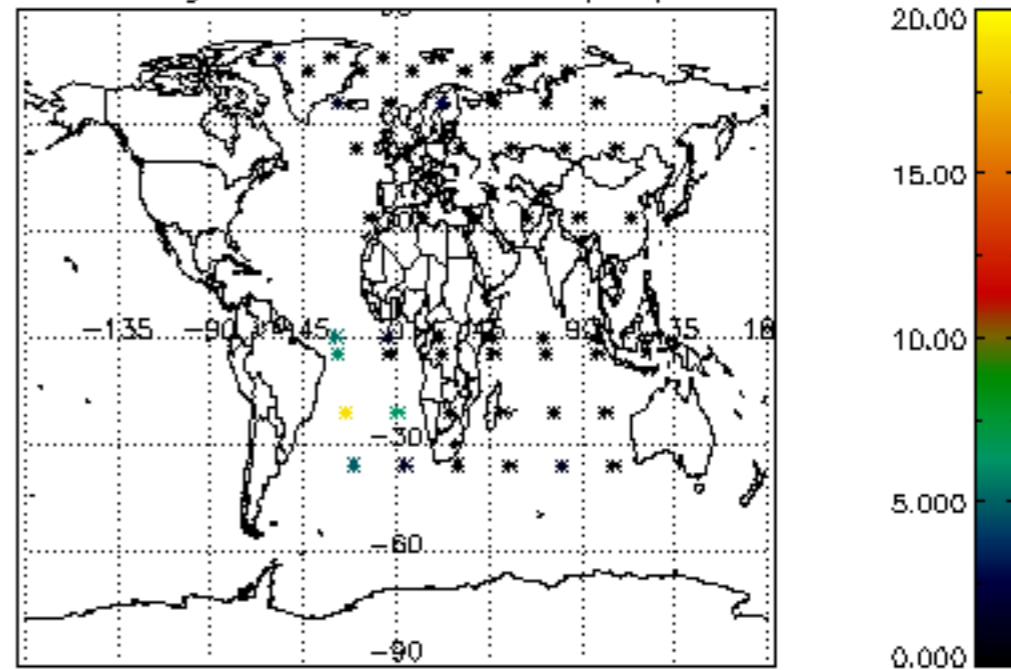
Percentage of datation errors per profile



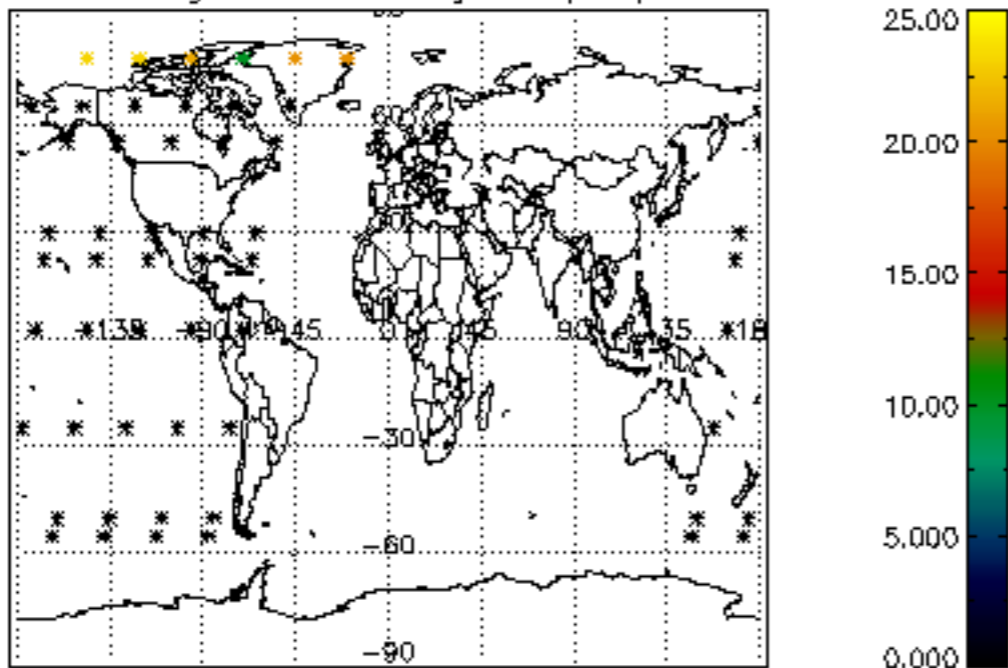
Percentage of star falling outside central band per profile



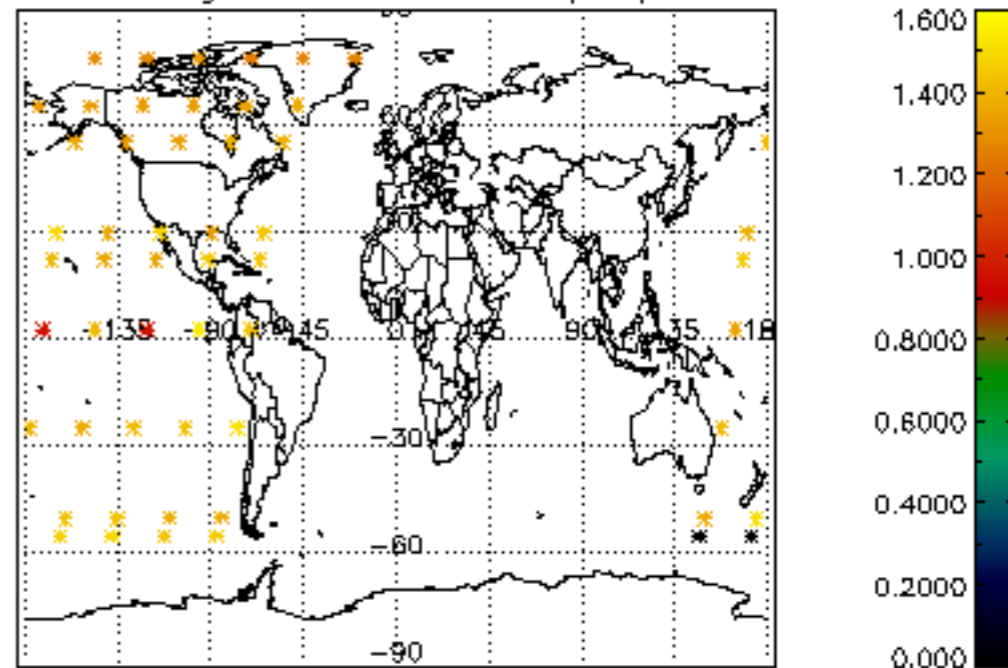
Percentage of saturation errors per profile



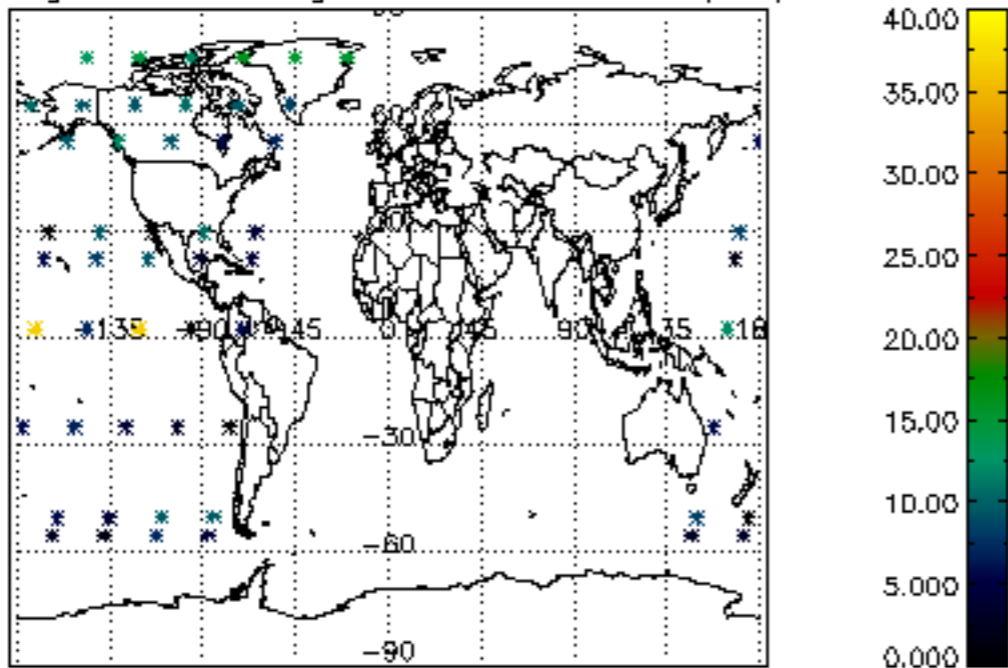
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

