

# 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	17APR2013 21:01:26
Data source version	GOMOS/6.01
Start time of products	08-12-2002 (08DEC2002 00:00:00)
Stop time of products	09-12-2002 (09DEC2002 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	151
Nb of prods with errors	1

## 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__2PRFIN20021208_140926_000000422011_00483_04044_2017.N1	08-DEC-2002 14:09:26	Dark	42.000	12	Alp1Cru	0.77500	30000.	84	4044	No
2	GOM_NL__2PRFIN20021208_141101_000000482011_00483_04044_2018.N1	08-DEC-2002 14:11:01	Dark	47.500	113	Mu Vel	2.6920	5000.0	95	4044	No
3	GOM_NL__2PRFIN20021208_141502_000000402011_00483_04044_2019.N1	08-DEC-2002 14:15:02	Dark	40.000	29	Bet Car	1.6720	10200.	80	4044	No
4	GOM_NL__2PRFIN20021208_141705_000000602011_00483_04044_2020.N1	08-DEC-2002 14:17:05	Dark	59.500	65	Lam Vel	2.2040	4400.0	119	4044	No
5	GOM_NL__2PRFIN20021208_141941_000000522011_00483_04044_2021.N1	08-DEC-2002 14:19:41	Dark	51.500	34	Gam2Vel	1.7930	23000.	103	4044	No
6	GOM_NL__2PRFIN20021208_142227_000000532011_00483_04044_2022.N1	08-DEC-2002 14:22:27	Dark	52.500	2	Alp Car	-0.73600	7000.0	105	4044	No
7	GOM_NL__2PRFIN20021208_142448_000000642011_00483_04044_2023.N1	08-DEC-2002 14:24:48	Dark	63.500	117	Pi Pup	2.7060	3800.0	127	4044	No
8	GOM_NL__2PRFIN20021208_142820_000000632011_00483_04044_2024.N1	08-DEC-2002 14:28:20	Dark	63.000	23	21Eps CMa	1.5020	26000.	126	4044	No
9	GOM_NL__2PRFIN20021208_143019_000000622011_00483_04044_2025.N1	08-DEC-2002 14:30:19	Straylight	61.500	179	24Omi2CMa	3.0320	24000.	123	4044	No
10	GOM_NL__2PRFIN20021208_143351_000000752011_00483_04044_2026.N1	08-DEC-2002 14:33:51	Straylight	75.000	1	9Alp CMa	-1.4400	11000.	150	4044	No
11	GOM_NL__2PRFIN20021208_143716_000000602011_00483_04044_2027.N1	08-DEC-2002 14:37:16	Straylight	60.000	7	19Bet Ori	0.10000	14000.	120	4044	No
12	GOM_NL__2PRFIN20021208_143950_000000582011_00483_04044_2028.N1	08-DEC-2002 14:39:50	Straylight	57.500	30	46Eps Ori	1.6940	30000.	115	4044	No
13	GOM_NL__2PRFIN20021208_144221_000000522011_00483_04044_2029.N1	08-DEC-2002 14:42:21	Tw_i_and_stray	52.000	27	24Gam Ori	1.6360	26000.	104	4044	No
14	GOM_NL__2PRFIN20021208_144452_000000582011_00483_04044_2030.N1	08-DEC-2002 14:44:52	Bright	58.000	13	87Alp Tau	0.86700	3800.0	116	4044	No
15	GOM_NL__2PRFIN20021208_144647_000000392011_00483_04044_2031.N1	08-DEC-2002 14:46:47	Bright	39.000	146	25Eta Tau	2.8730	15200.	78	4044	No
16	GOM_NL__2PRFIN20021208_144902_000000392011_00483_04044_2032.N1	08-DEC-2002 14:49:02	Bright	39.000	150	44Zet Per	2.8900	28000.	78	4044	No
17	GOM_NL__2PRFIN20021208_145035_000000362011_00483_04044_2033.N1	08-DEC-2002 14:50:35	Bright	35.500	173	4Bet Tri	3.0040	8900.0	71	4044	No
18	GOM_NL__2PRFIN20021208_145237_000000402011_00483_04044_2034.N1	08-DEC-2002 14:52:37	Bright	40.000	73	57Gam1And	2.2600	13100.	80	4044	No
19	GOM_NL__2PRFIN20021208_145403_000000402011_00483_04044_2035.N1	08-DEC-2002 14:54:03	Bright	40.000	35	33Alp Per	1.7950	6250.0	80	4044	No
20	GOM_NL__2PRFIN20021208_145554_000000492011_00483_04044_2036.N1	08-DEC-2002 14:55:54	Bright	48.500	42	34Bet Aur	1.9000	10200.	97	4044	No
21	GOM_NL__2PRFIN20021208_145752_000000372011_00483_04044_2037.N1	08-DEC-2002 14:57:52	Bright	37.000	110	37Del Cas	2.6780	8900.0	74	4044	No
22	GOM_NL__2PRFIN20021208_150509_000000362011_00483_04044_2038.N1	08-DEC-2002 15:05:09	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	4044	No
23	GOM_NL__2PRFIN20021208_150952_000000522011_00483_04044_2039.N1	08-DEC-2002 15:09:52	Bright	51.500	60	7Bet UMi	2.0810	3950.0	103	4044	No
24	GOM_NL__2PRFIN20021208_151249_000000392011_00483_04044_2040.N1	08-DEC-2002 15:12:49	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	4044	No
25	GOM_NL__2PRFIN20021208_151449_000000442011_00483_04044_2041.N1	08-DEC-2002 15:14:49	Bright	44.000	32	77Eps UMa	1.7630	11000.	88	4044	No
26	GOM_NL__2PRFIN20021208_151708_000000402011_00483_04044_2042.N1	08-DEC-2002 15:17:08	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	4044	No
27	GOM_NL__2PRFIN20021208_152014_000000382011_00483_04044_2043.N1	08-DEC-2002 15:20:14	Bright	38.000	180	27Gam Boo	3.0400	8000.0	76	4044	No
28	GOM_NL__2PRFIN20021208_152319_000000382011_00483_04044_2044.N1	08-DEC-2002 15:23:19	Bright	37.500	83		2.3780	11000.	75	4044	No
29	GOM_NL__2PRFIN20021208_152627_000000392011_00483_04044_2045.N1	08-DEC-2002 15:26:27	Bright	38.500	111	8Eta Boo	2.6800	6000.0	77	4044	No
30	GOM_NL__2PRFIN20021208_152954_000000452011_00483_04044_2046.N1	08-DEC-2002 15:29:54	Bright	45.000	138	47Eps Vir	2.8280	4700.0	90	4044	No
31	GOM_NL__2PRFIN20021208_153141_000000792011_00483_04044_2047.N1	08-DEC-2002 15:31:41	Tw_i_and_stray	79.000	62	94Bet Leo	2.1360	9700.0	158	4044	No
32	GOM_NL__2PRFIN20021208_153428_000000012011_00483_04044_2048.N1	08-DEC-2002 15:34:28	Dark	0.50000	1012	Venus	0.0000	0.0000	1	4044	Yes
33	GOM_NL__2PRFIN20021208_153913_000000442011_00483_04044_2049.N1	08-DEC-2002 15:39:13	Tw_i_and_stray	43.500	169	46Gam Hya	2.9910	4700.0	87	4044	No
34	GOM_NL__2PRFIN20021208_154044_000000562011_00483_04044_2050.N1	08-DEC-2002 15:40:44	Dark	56.000	100	4Gam Crv	2.5800	13100.	112	4044	No
35	GOM_NL__2PRFIN20021208_154236_000000432011_00483_04044_2051.N1	08-DEC-2002 15:42:36	Dark	42.500	123	Iot Cen	2.7500	10200.	85	4044	No
36	GOM_NL__2PRFIN20021208_154428_000000402011_00483_04044_2052.N1	08-DEC-2002 15:44:28	Dark	40.000	95	Zet Cen	2.5450	26000.	80	4044	No
37	GOM_NL__2PRFIN20021208_154619_000000392011_00483_04044_2053.N1	08-DEC-2002 15:46:19	Dark	39.000	77	Eps Cen	2.3030	28000.	78	4044	No
38	GOM_NL__2PRFIN20021208_154736_000000522011_00483_04044_2054.N1	08-DEC-2002 15:47:36	Dark	52.000	4	Alp1Cen	-0.010000	5800.0	104	4044	No
39	GOM_NL__2PRFIN20021208_155002_000000442011_00484_04045_2018.N1	08-DEC-2002 15:50:02	Dark	43.500	12	Alp1Cru	0.77500	30000.	87	4045	No
40	GOM_NL__2PRFIN20021208_155138_000000492011_00484_04045_2019.N1	08-DEC-2002 15:51:38	Dark	49.000	113	Mu Vel	2.6920	5000.0	98	4045	No
41	GOM_NL__2PRFIN20021208_155539_000000402011_00484_04045_2020.N1	08-DEC-2002 15:55:39	Dark	40.000	29	Bet Car	1.6720	10200.	80	4045	No
42	GOM_NL__2PRFIN20021208_155751_000000482011_00484_04045_2021.N1	08-DEC-2002 15:57:51	Dark	48.000	41	Eps Car	1.8600	4100.0	96	4045	No

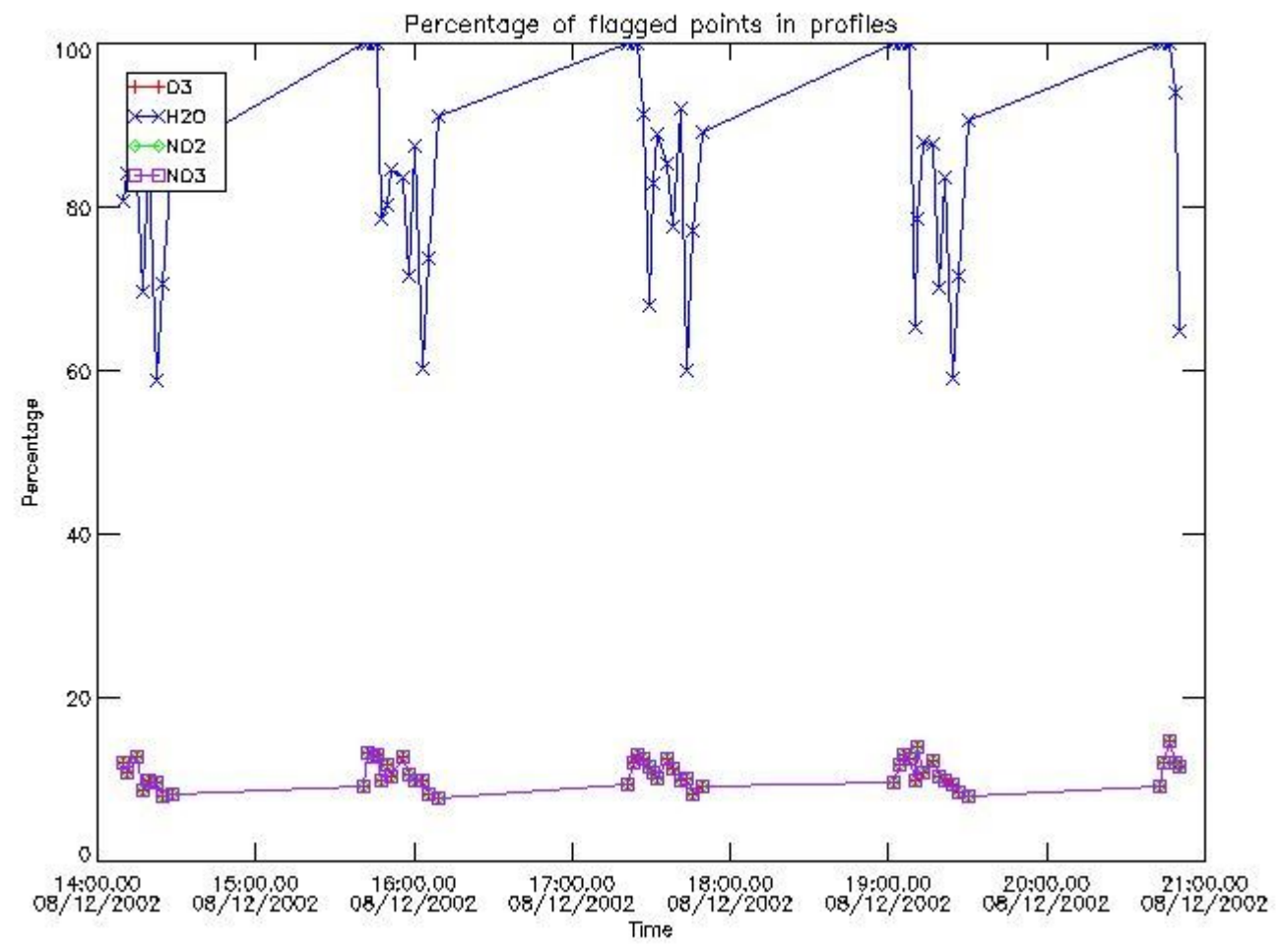
43	GOM_NL__2PRFIN20021208_160016_00000522011_00484_04045_2022.N1	08-DEC-2002 16:00:16	Dark	52.000	34	Gam2Vel	1.7930	23000.	104	4045	No
44	GOM_NL__2PRFIN20021208_160302_00000522011_00484_04045_2023.N1	08-DEC-2002 16:03:02	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	4045	No
45	GOM_NL__2PRFIN20021208_160524_00000622011_00484_04045_2024.N1	08-DEC-2002 16:05:24	Dark	61.500	117	Pi Pup	2.7060	3800.0	123	4045	No
46	GOM_NL__2PRFIN20021208_160856_00000672011_00484_04045_2025.N1	08-DEC-2002 16:08:56	Dark	67.000	23	21Eps CMa	1.5020	26000.	134	4045	No
47	GOM_NL__2PRFIN20021208_161054_00000632011_00484_04045_2026.N1	08-DEC-2002 16:10:54	Straylight	63.000	179	24Omi2CMa	3.0320	24000.	126	4045	No
48	GOM_NL__2PRFIN20021208_161405_00000622011_00484_04045_2027.N1	08-DEC-2002 16:14:05	Straylight	62.000	47	2Bet CMa	1.9760	28000.	124	4045	No
49	GOM_NL__2PRFIN20021208_161751_00000612011_00484_04045_2028.N1	08-DEC-2002 16:17:51	Straylight	61.000	7	19Bet Ori	0.10000	14000.	122	4045	No
50	GOM_NL__2PRFIN20021208_162025_00000552011_00484_04045_2029.N1	08-DEC-2002 16:20:25	Straylight	55.000	30	46Eps Ori	1.6940	30000.	110	4045	No
51	GOM_NL__2PRFIN20021208_162256_00000582011_00484_04045_2030.N1	08-DEC-2002 16:22:56	Tw_i_and_stray	57.500	27	24Gam Ori	1.6360	26000.	115	4045	No
52	GOM_NL__2PRFIN20021208_162527_00000572011_00484_04045_2031.N1	08-DEC-2002 16:25:27	Bright	57.000	13	87Alp Tau	0.86700	3800.0	114	4045	No
53	GOM_NL__2PRFIN20021208_162722_00000392011_00484_04045_2032.N1	08-DEC-2002 16:27:22	Bright	39.000	146	25Eta Tau	2.8730	15200.	78	4045	No
54	GOM_NL__2PRFIN20021208_162938_00000382011_00484_04045_2033.N1	08-DEC-2002 16:29:38	Bright	38.000	150	44Zet Per	2.8900	28000.	76	4045	No
55	GOM_NL__2PRFIN20021208_163111_00000382011_00484_04045_2034.N1	08-DEC-2002 16:31:11	Bright	38.000	173	4Bet Tri	3.0040	8900.0	76	4045	No
56	GOM_NL__2PRFIN20021208_163314_00000392011_00484_04045_2035.N1	08-DEC-2002 16:33:14	Bright	39.000	73	57Gam1And	2.2600	13100.	78	4045	No
57	GOM_NL__2PRFIN20021208_163438_00000402011_00484_04045_2036.N1	08-DEC-2002 16:34:38	Bright	40.000	35	33Alp Per	1.7950	6250.0	80	4045	No
58	GOM_NL__2PRFIN20021208_163630_00000492011_00484_04045_2037.N1	08-DEC-2002 16:36:30	Bright	49.000	42	34Bet Aur	1.9000	10200.	98	4045	No
59	GOM_NL__2PRFIN20021208_163828_00000422011_00484_04045_2038.N1	08-DEC-2002 16:38:28	Bright	42.000	110	37Del Cas	2.6780	8900.0	84	4045	No
60	GOM_NL__2PRFIN20021208_164545_00000392011_00484_04045_2039.N1	08-DEC-2002 16:45:45	Bright	38.500	49	1Alp UMi	1.9900	6300.0	77	4045	No
61	GOM_NL__2PRFIN20021208_165029_00000402011_00484_04045_2040.N1	08-DEC-2002 16:50:29	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	4045	No
62	GOM_NL__2PRFIN20021208_165325_00000382011_00484_04045_2041.N1	08-DEC-2002 16:53:25	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	4045	No
63	GOM_NL__2PRFIN20021208_165525_00000442011_00484_04045_2042.N1	08-DEC-2002 16:55:25	Bright	43.500	32	77Eps UMa	1.7630	11000.	87	4045	No
64	GOM_NL__2PRFIN20021208_165745_00000392011_00484_04045_2043.N1	08-DEC-2002 16:57:45	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	4045	No
65	GOM_NL__2PRFIN20021208_170355_00000372011_00484_04045_2044.N1	08-DEC-2002 17:03:55	Bright	36.500	83		2.3780	11000.	73	4045	No
66	GOM_NL__2PRFIN20021208_170701_00000422011_00484_04045_2045.N1	08-DEC-2002 17:07:01	Bright	42.000	111	8Eta Boo	2.6800	6000.0	84	4045	No
67	GOM_NL__2PRFIN20021208_171030_00000462011_00484_04045_2046.N1	08-DEC-2002 17:10:30	Bright	45.500	138	47Eps Vir	2.8280	4700.0	91	4045	No
68	GOM_NL__2PRFIN20021208_171218_00000782011_00484_04045_2047.N1	08-DEC-2002 17:12:18	Tw_i_and_stray	77.500	62	94Bet Leo	2.1360	9700.0	155	4045	No
69	GOM_NL__2PRFIN20021208_171516_00000522011_00484_04045_2048.N1	08-DEC-2002 17:15:16	Tw_i_and_stray	51.500	121	29Gam Vir	2.7400	7200.0	103	4045	No
70	GOM_NL__2PRFIN20021208_171946_00000462011_00484_04045_2049.N1	08-DEC-2002 17:19:46	Tw_i_and_stray	46.000	169	46Gam Hya	2.9910	4700.0	92	4045	No
71	GOM_NL__2PRFIN20021208_172121_00000542011_00484_04045_2050.N1	08-DEC-2002 17:21:21	Dark	54.000	100	4Gam Crv	2.5800	13100.	108	4045	No
72	GOM_NL__2PRFIN20021208_172312_00000422011_00484_04045_2051.N1	08-DEC-2002 17:23:12	Dark	42.000	123	1ot Cen	2.7500	10200.	84	4045	No
73	GOM_NL__2PRFIN20021208_172504_00000402011_00484_04045_2052.N1	08-DEC-2002 17:25:04	Dark	39.500	95	Zet Cen	2.5450	26000.	79	4045	No
74	GOM_NL__2PRFIN20021208_172718_00000412011_00484_04045_2053.N1	08-DEC-2002 17:27:18	Dark	40.500	64	Gam Cen	2.2000	10600.	81	4045	No
75	GOM_NL__2PRFIN20021208_172919_00000442011_00485_04046_2054.N1	08-DEC-2002 17:29:19	Dark	44.000	26	Gam Cru	1.6240	2900.0	88	4046	No
76	GOM_NL__2PRFIN20021208_173038_00000482011_00485_04046_2018.N1	08-DEC-2002 17:30:38	Dark	47.500	12	Alp1Cru	0.77500	30000.	95	4046	No
77	GOM_NL__2PRFIN20021208_173213_00000502011_00485_04046_2019.N1	08-DEC-2002 17:32:13	Dark	50.000	113	Mu Vel	2.6920	5000.0	100	4046	No
78	GOM_NL__2PRFIN20021208_173615_00000412011_00485_04046_2020.N1	08-DEC-2002 17:36:15	Dark	41.000	29	Bet Car	1.6720	10200.	82	4046	No
79	GOM_NL__2PRFIN20021208_173829_00000452011_00485_04046_2021.N1	08-DEC-2002 17:38:29	Dark	45.000	41	Eps Car	1.8600	4100.0	90	4046	No
80	GOM_NL__2PRFIN20021208_174053_00000522011_00485_04046_2022.N1	08-DEC-2002 17:40:53	Dark	51.500	34	Gam2Vel	1.7930	23000.	103	4046	No
81	GOM_NL__2PRFIN20021208_174339_00000512011_00485_04046_2023.N1	08-DEC-2002 17:43:39	Dark	50.500	2	Alp Car	-0.73600	7000.0	101	4046	No
82	GOM_NL__2PRFIN20021208_174601_00000622011_00485_04046_2024.N1	08-DEC-2002 17:46:01	Dark	61.500	117	Pi Pup	2.7060	3800.0	123	4046	No
83	GOM_NL__2PRFIN20021208_174933_00000612011_00485_04046_2025.N1	08-DEC-2002 17:49:33	Dark	61.000	23	21Eps CMa	1.5020	26000.	122	4046	No
84	GOM_NL__2PRFIN20021208_175130_00000642011_00485_04046_2026.N1	08-DEC-2002 17:51:30	Straylight	64.000	179	24Omi2CMa	3.0320	24000.	128	4046	No
85	GOM_NL__2PRFIN20021208_175439_00000632011_00485_04046_2027.N1	08-DEC-2002 17:54:39	Straylight	62.500	47	2Bet CMa	1.9760	28000.	125	4046	No
86	GOM_NL__2PRFIN20021208_175825_00000612011_00485_04046_2028.N1	08-DEC-2002 17:58:25	Straylight	61.000	7	19Bet Ori	0.10000	14000.	122	4046	No
87	GOM_NL__2PRFIN20021208_180101_00000582011_00485_04046_2029.N1	08-DEC-2002 18:01:01	Straylight	57.500	30	46Eps Ori	1.6940	30000.	115	4046	No
88	GOM_NL__2PRFIN20021208_180331_00000552011_00485_04046_2030.N1	08-DEC-2002 18:03:31	Tw_i_and_stray	54.500	27	24Gam Ori	1.6360	26000.	109	4046	No
89	GOM_NL__2PRFIN20021208_180603_00000552011_00485_04046_2031.N1	08-DEC-2002 18:06:03	Bright	55.000	13	87Alp Tau	0.86700	3800.0	110	4046	No
90	GOM_NL__2PRFIN20021208_180756_00000432011_00485_04046_2032.N1	08-DEC-2002 18:07:56	Bright	42.500	146	25Eta Tau	2.8730	15200.	85	4046	No
91	GOM_NL__2PRFIN20021208_181013_00000392011_00485_04046_2033.N1	08-DEC-2002 18:10:13	Bright	39.000	150	44Zet Per	2.8900	28000.	78	4046	No
92	GOM_NL__2PRFIN20021208_181148_00000372011_00485_04046_2034.N1	08-DEC-2002 18:11:48	Bright	36.500	173	4Bet Tri	3.0040	8900.0	73	4046	No
93	GOM_NL__2PRFIN20021208_181350_00000402011_00485_04046_2035.N1	08-DEC-2002 18:13:50	Bright	40.000	73	57Gam1And	2.2600	13100.	80	4046	No
94	GOM_NL__2PRFIN20021208_181514_00000522011_00485_04046_2036.N1	08-DEC-2002 18:15:14	Bright	52.000	35	33Alp Per	1.7950	6250.0	104	4046	No
95	GOM_NL__2PRFIN20021208_181705_00000502011_00485_04046_2037.N1	08-DEC-2002 18:17:05	Bright	49.500	42	34Bet Aur	1.9000	10200.	99	4046	No
96	GOM_NL__2PRFIN20021208_181905_00000372011_00485_04046_2038.N1	08-DEC-2002 18:19:05	Bright	37.000	110	37Del Cas	2.6780	8900.0	74	4046	No
97	GOM_NL__2PRFIN20021208_182621_00000392011_00485_04046_2039.N1	08-DEC-2002 18:26:21	Bright	38.500	49	1Alp UMi	1.9900	6300.0	77	4046	No
98	GOM_NL__2PRFIN20021208_183104_00000412011_00485_04046_2040.N1	08-DEC-2002 18:31:04	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	4046	No
99	GOM_NL__2PRFIN20021208_183402_00000362011_00485_04046_2041.N1	08-DEC-2002 18:34:02	Bright	35.500	119	14Eta Dra	2.7270	4700.0	71	4046	No
100	GOM_NL__2PRFIN20021208_183559_00000462011_00485_04046_2042.N1	08-DEC-2002 18:35:59	Bright	46.000	32	77Eps UMa	1.7630	11000.	92	4046	No
101	GOM_NL__2PRFIN20021208_183820_00000392011_00485_04046_2043.N1	08-DEC-2002 18:38:20	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	4046	No

102	GOM_NL__2PRFIN20021208_184126_000000382011_00485_04046_2044.N1	08-DEC-2002 18:41:26	Bright	38.000	180	27Gam Boo	3.0400	8000.0	76	4046	No
103	GOM_NL__2PRFIN20021208_184432_000000362011_00485_04046_2045.N1	08-DEC-2002 18:44:32	Bright	36.000	83		2.3780	11000.	72	4046	No
104	GOM_NL__2PRFIN20021208_184739_000000402011_00485_04046_2046.N1	08-DEC-2002 18:47:39	Bright	39.500	111	8Eta Boo	2.6800	6000.0	79	4046	No
105	GOM_NL__2PRFIN20021208_185107_000000472011_00485_04046_2047.N1	08-DEC-2002 18:51:07	Bright	46.500	138	47Eps Vir	2.8280	4700.0	93	4046	No
106	GOM_NL__2PRFIN20021208_185255_000000762011_00485_04046_2048.N1	08-DEC-2002 18:52:55	Tw_i_and_stray	76.000	62	94Bet Leo	2.1360	9700.0	152	4046	No
107	GOM_NL__2PRFIN20021208_185553_000000562011_00485_04046_2049.N1	08-DEC-2002 18:55:53	Tw_i_and_stray	56.000	121	29Gam Vir	2.7400	7200.0	112	4046	No
108	GOM_NL__2PRFIN20021208_190025_000000492011_00485_04046_2050.N1	08-DEC-2002 19:00:25	Tw_i_and_stray	48.500	169	46Gam Hya	2.9910	4700.0	97	4046	No
109	GOM_NL__2PRFIN20021208_190156_000000542011_00485_04046_2051.N1	08-DEC-2002 19:01:56	Dark	53.500	100	4Gam Crv	2.5800	13100.	107	4046	No
110	GOM_NL__2PRFIN20021208_190349_000000442011_00485_04046_2052.N1	08-DEC-2002 19:03:49	Dark	43.500	123	lot Cen	2.7500	10200.	87	4046	No
111	GOM_NL__2PRFIN20021208_190540_000000392011_00485_04046_2053.N1	08-DEC-2002 19:05:40	Dark	39.000	95	Zet Cen	2.5450	26000.	78	4046	No
112	GOM_NL__2PRFIN20021208_190755_000000412011_00485_04046_2054.N1	08-DEC-2002 19:07:55	Dark	40.500	64	Gam Cen	2.2000	10600.	81	4046	No
113	GOM_NL__2PRFIN20021208_190955_000000512011_00486_04047_2055.N1	08-DEC-2002 19:09:55	Dark	51.000	26	Gam Cru	1.6240	2900.0	102	4047	No
114	GOM_NL__2PRFIN20021208_191115_000000402011_00486_04047_2018.N1	08-DEC-2002 19:11:15	Dark	40.000	12	Alp1Cru	0.77500	30000.	80	4047	No
115	GOM_NL__2PRFIN20021208_191251_000000472011_00486_04047_2019.N1	08-DEC-2002 19:12:51	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	4047	No
116	GOM_NL__2PRFIN20021208_191651_000000422011_00486_04047_2020.N1	08-DEC-2002 19:16:51	Dark	41.500	29	Bet Car	1.6720	10200.	83	4047	No
117	GOM_NL__2PRFIN20021208_191904_000000492011_00486_04047_2021.N1	08-DEC-2002 19:19:04	Dark	49.000	41	Eps Car	1.8600	4100.0	98	4047	No
118	GOM_NL__2PRFIN20021208_192130_000000522011_00486_04047_2022.N1	08-DEC-2002 19:21:30	Dark	52.000	34	Gam2Vel	1.7930	23000.	104	4047	No
119	GOM_NL__2PRFIN20021208_192416_000000542011_00486_04047_2023.N1	08-DEC-2002 19:24:16	Dark	54.000	2	Alp Car	-0.73600	7000.0	108	4047	No
120	GOM_NL__2PRFIN20021208_192638_000000602011_00486_04047_2024.N1	08-DEC-2002 19:26:38	Dark	60.000	117	Pi Pup	2.7060	3800.0	120	4047	No
121	GOM_NL__2PRFIN20021208_193008_000000652011_00486_04047_2025.N1	08-DEC-2002 19:30:08	Dark	65.000	23	21Eps CMa	1.5020	26000.	130	4047	No
122	GOM_NL__2PRFIN20021208_193207_000000662011_00486_04047_2026.N1	08-DEC-2002 19:32:07	Straylight	65.500	179	24Omi2CMa	3.0320	24000.	131	4047	No
123	GOM_NL__2PRFIN20021208_193517_000000632011_00486_04047_2027.N1	08-DEC-2002 19:35:17	Straylight	63.000	47	2Bet CMa	1.9760	28000.	126	4047	No
124	GOM_NL__2PRFIN20021208_193901_000000612011_00486_04047_2028.N1	08-DEC-2002 19:39:01	Straylight	60.500	7	19Bet Ori	0.10000	14000.	121	4047	No
125	GOM_NL__2PRFIN20021208_194137_000000552011_00486_04047_2029.N1	08-DEC-2002 19:41:37	Straylight	55.000	30	46Eps Ori	1.6940	30000.	110	4047	No
126	GOM_NL__2PRFIN20021208_194407_000000582011_00486_04047_2030.N1	08-DEC-2002 19:44:07	Tw_i_and_stray	57.500	27	24Gam Ori	1.6360	26000.	115	4047	No
127	GOM_NL__2PRFIN20021208_194640_000000572011_00486_04047_2031.N1	08-DEC-2002 19:46:40	Bright	57.000	13	87Alp Tau	0.86700	3800.0	114	4047	No
128	GOM_NL__2PRFIN20021208_194833_000000392011_00486_04047_2032.N1	08-DEC-2002 19:48:33	Bright	39.000	146	25Eta Tau	2.8730	15200.	78	4047	No
129	GOM_NL__2PRFIN20021208_195049_000000392011_00486_04047_2033.N1	08-DEC-2002 19:50:49	Bright	38.500	150	44Zet Per	2.8900	28000.	77	4047	No
130	GOM_NL__2PRFIN20021208_195224_000000372011_00486_04047_2034.N1	08-DEC-2002 19:52:24	Bright	36.500	173	4Bet Tri	3.0040	8900.0	73	4047	No
131	GOM_NL__2PRFIN20021208_195426_000000392011_00486_04047_2035.N1	08-DEC-2002 19:54:26	Bright	38.500	73	57Gam1And	2.2600	13100.	77	4047	No
132	GOM_NL__2PRFIN20021208_195550_000000392011_00486_04047_2036.N1	08-DEC-2002 19:55:50	Bright	39.000	35	33Alp Per	1.7950	6250.0	78	4047	No
133	GOM_NL__2PRFIN20021208_195740_000000492011_00486_04047_2037.N1	08-DEC-2002 19:57:40	Bright	49.000	42	34Bet Aur	1.9000	10200.	98	4047	No
134	GOM_NL__2PRFIN20021208_195940_000000372011_00486_04047_2038.N1	08-DEC-2002 19:59:40	Bright	36.500	110	37Del Cas	2.6780	8900.0	73	4047	No
135	GOM_NL__2PRFIN20021208_200657_000000392011_00486_04047_2039.N1	08-DEC-2002 20:06:57	Bright	39.000	49	1Alp UMi	1.9900	6300.0	78	4047	No
136	GOM_NL__2PRFIN20021208_201141_000000392011_00486_04047_2040.N1	08-DEC-2002 20:11:41	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	4047	No
137	GOM_NL__2PRFIN20021208_201438_000000382011_00486_04047_2041.N1	08-DEC-2002 20:14:38	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	4047	No
138	GOM_NL__2PRFIN20021208_201637_000000442011_00486_04047_2042.N1	08-DEC-2002 20:16:37	Bright	44.000	32	77Eps UMa	1.7630	11000.	88	4047	No
139	GOM_NL__2PRFIN20021208_201856_000000422011_00486_04047_2043.N1	08-DEC-2002 20:18:56	Bright	41.500	39	85Eta UMa	1.8540	24000.	83	4047	No
140	GOM_NL__2PRFIN20021208_202202_000000512011_00486_04047_2044.N1	08-DEC-2002 20:22:02	Bright	50.500	180	27Gam Boo	3.0400	8000.0	101	4047	No
141	GOM_NL__2PRFIN20021208_202508_000000522011_00486_04047_2045.N1	08-DEC-2002 20:25:08	Bright	52.000	83		2.3780	11000.	104	4047	No
142	GOM_NL__2PRFIN20021208_202815_000000402011_00486_04047_2046.N1	08-DEC-2002 20:28:15	Bright	40.000	111	8Eta Boo	2.6800	6000.0	80	4047	No
143	GOM_NL__2PRFIN20021208_203142_000000472011_00486_04047_2047.N1	08-DEC-2002 20:31:42	Bright	47.000	138	47Eps Vir	2.8280	4700.0	94	4047	No
144	GOM_NL__2PRFIN20021208_203331_000000792011_00486_04047_2048.N1	08-DEC-2002 20:33:31	Tw_i_and_stray	79.000	62	94Bet Leo	2.1360	9700.0	158	4047	No
145	GOM_NL__2PRFIN20021208_203629_000000572011_00486_04047_2049.N1	08-DEC-2002 20:36:29	Tw_i_and_stray	56.500	121	29Gam Vir	2.7400	7200.0	113	4047	No
146	GOM_NL__2PRFIN20021208_204101_000000472011_00486_04047_2050.N1	08-DEC-2002 20:41:01	Tw_i_and_stray	46.500	169	46Gam Hya	2.9910	4700.0	93	4047	No
147	GOM_NL__2PRFIN20021208_204235_000000562011_00486_04047_2051.N1	08-DEC-2002 20:42:35	Dark	56.000	100	4Gam Crv	2.5800	13100.	112	4047	No
148	GOM_NL__2PRFIN20021208_204426_000000422011_00486_04047_2052.N1	08-DEC-2002 20:44:26	Dark	42.000	123	lot Cen	2.7500	10200.	84	4047	No
149	GOM_NL__2PRFIN20021208_204617_000000382011_00486_04047_2053.N1	08-DEC-2002 20:46:17	Dark	38.000	95	Zet Cen	2.5450	26000.	76	4047	No
150	GOM_NL__2PRFIN20021208_204831_000000422011_00486_04047_2054.N1	08-DEC-2002 20:48:31	Dark	42.000	64	Gam Cen	2.2000	10600.	84	4047	No
151	GOM_NL__2PRFIN20021208_205033_000000452011_00487_04048_2055.N1	08-DEC-2002 20:50:33	Dark	44.500	26	Gam Cru	1.6240	2900.0	89	4048	No

### 3. Quality information per product

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

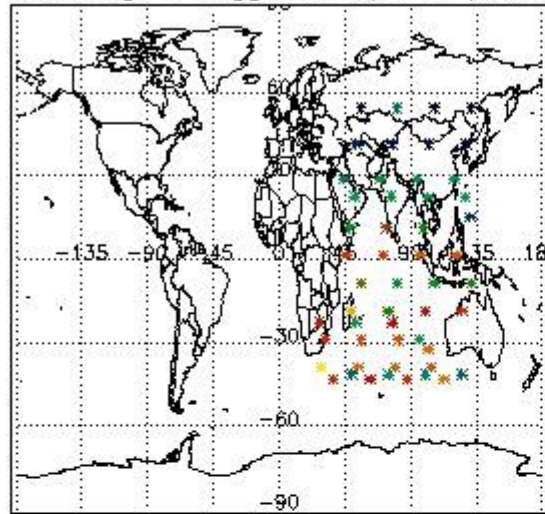
3.1 Plot quality information per product (time dependant)



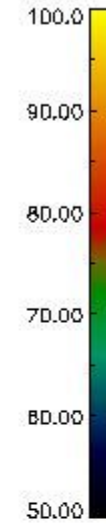
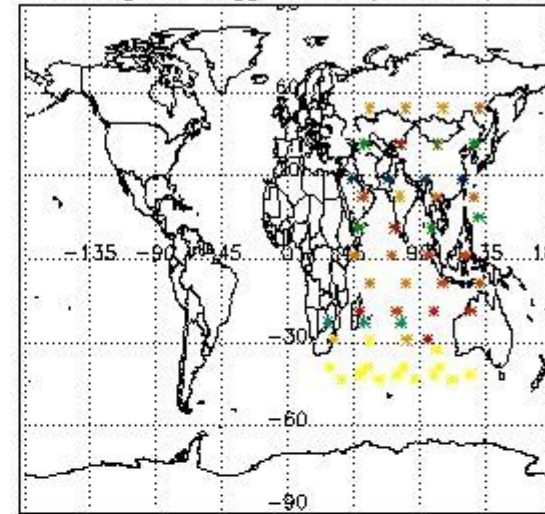
3.2 Plot quality information per product (world map)



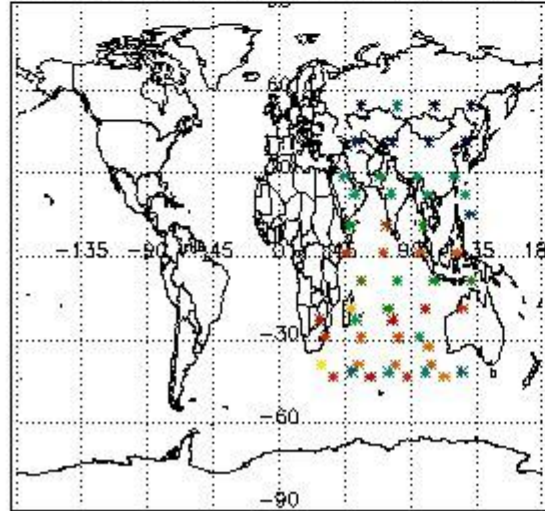
Percentage of flagged data per O3 profile



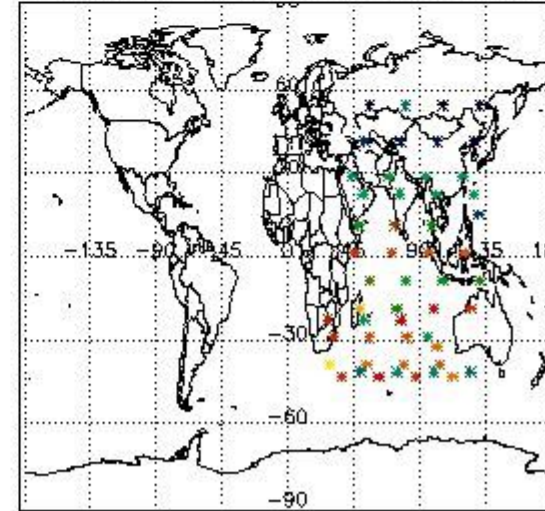
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

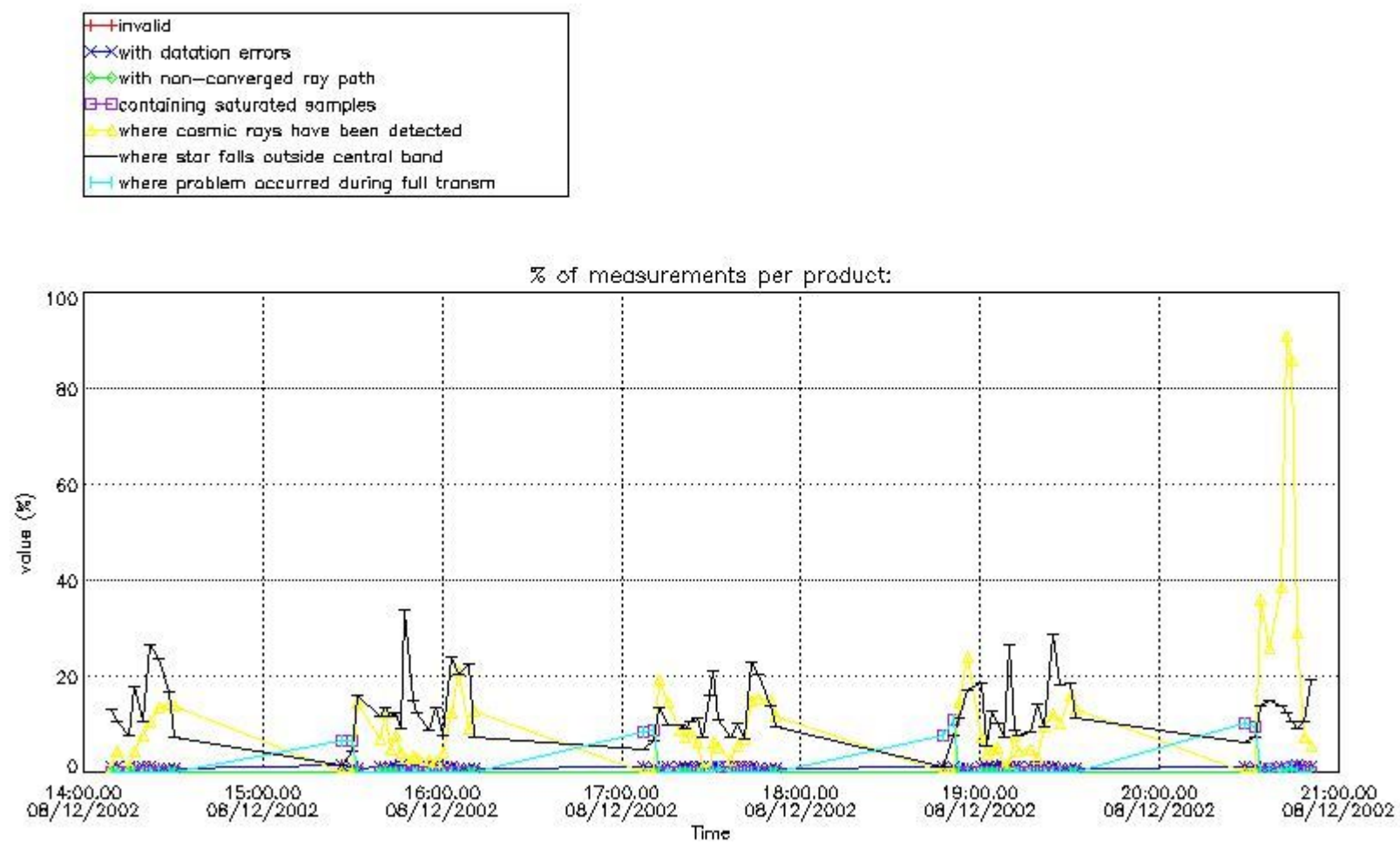


#### 4. Level 1 quality information per product

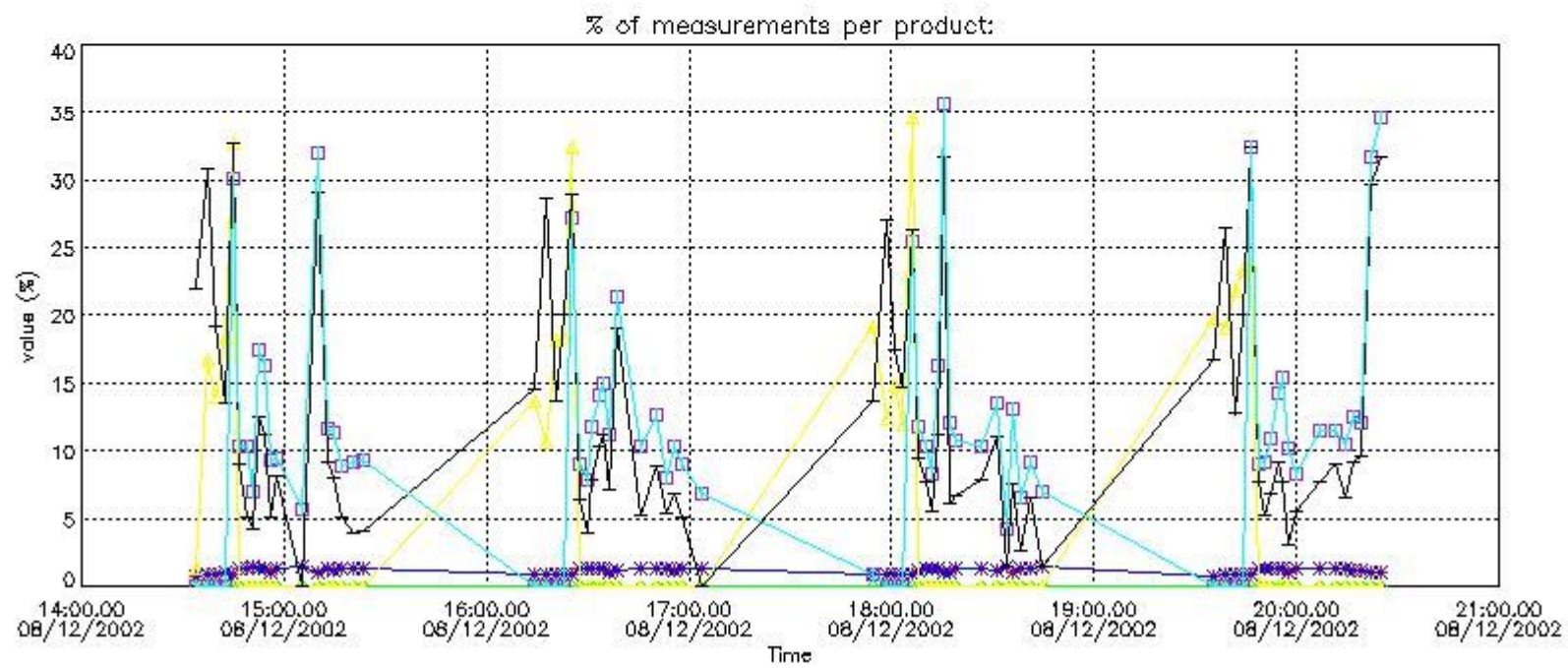
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



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

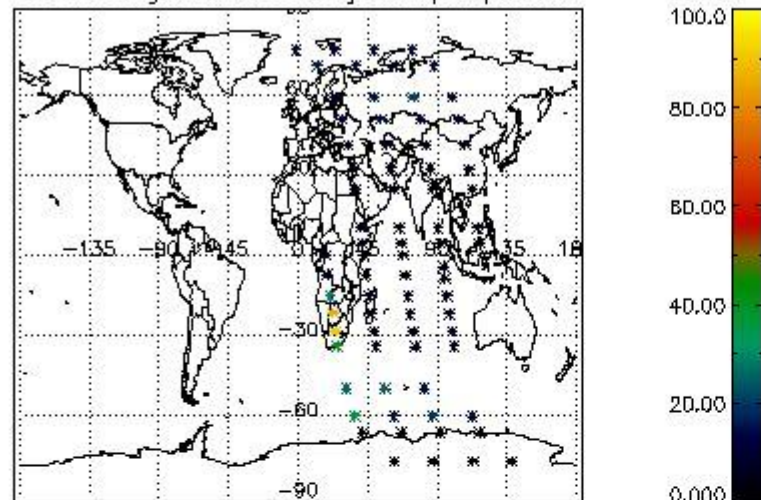


4.2 Plot quality information per product coming from level 1b processing (world map)

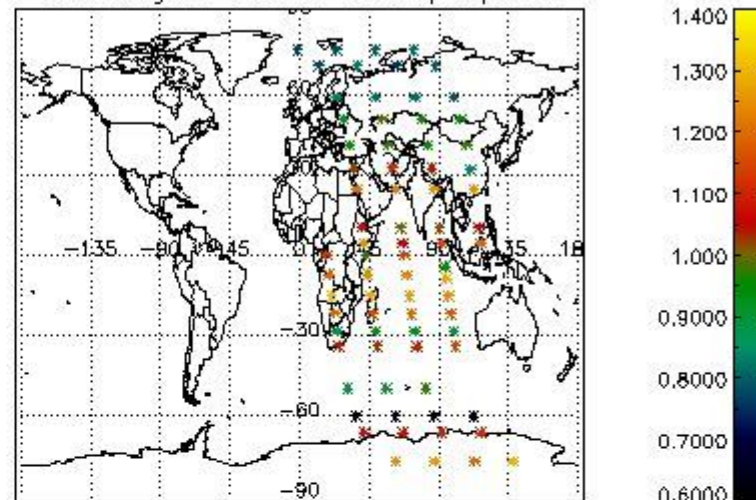
4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes



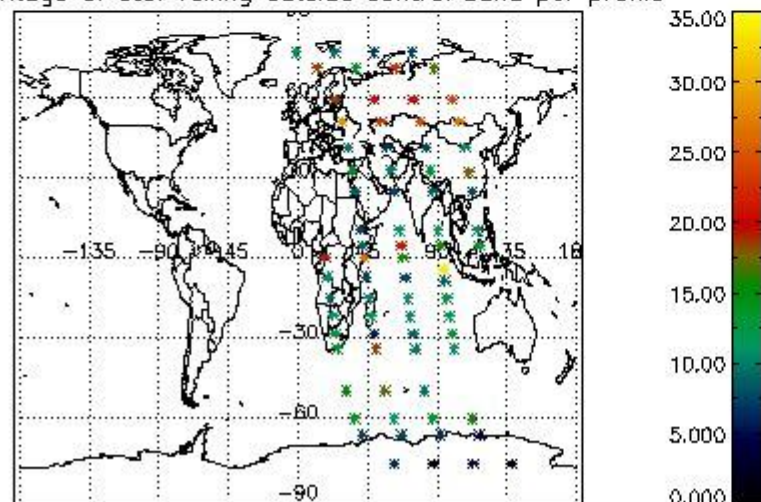
Percentage of cosmic ray hits per profile



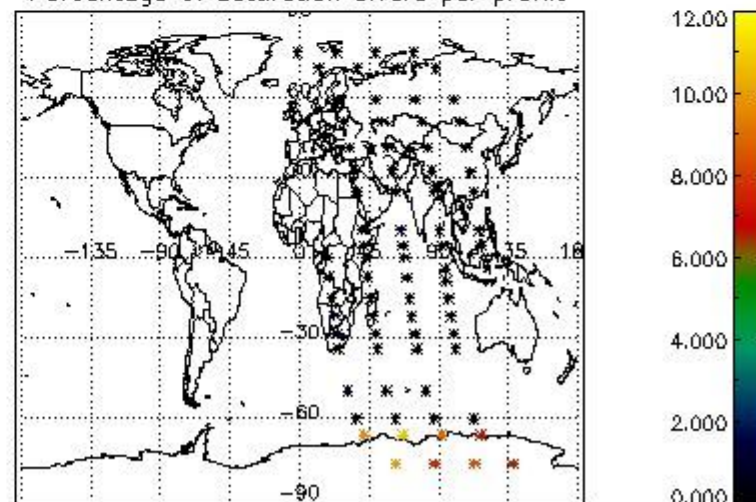
Percentage of datation errors per profile



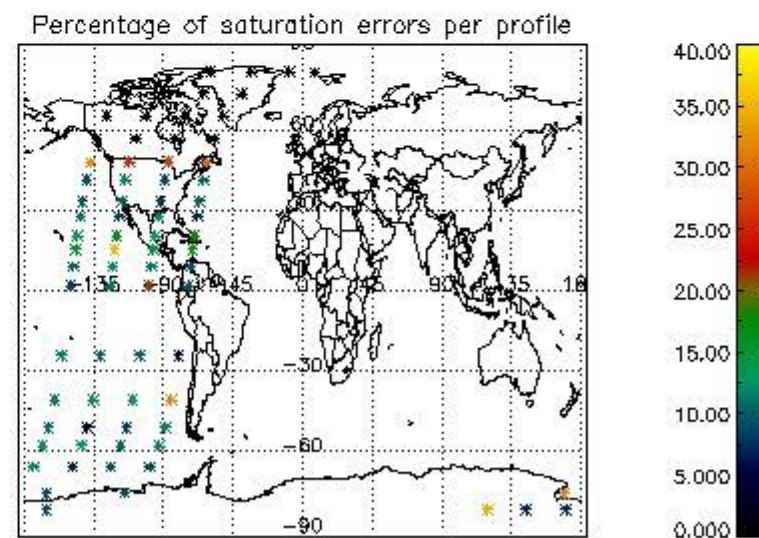
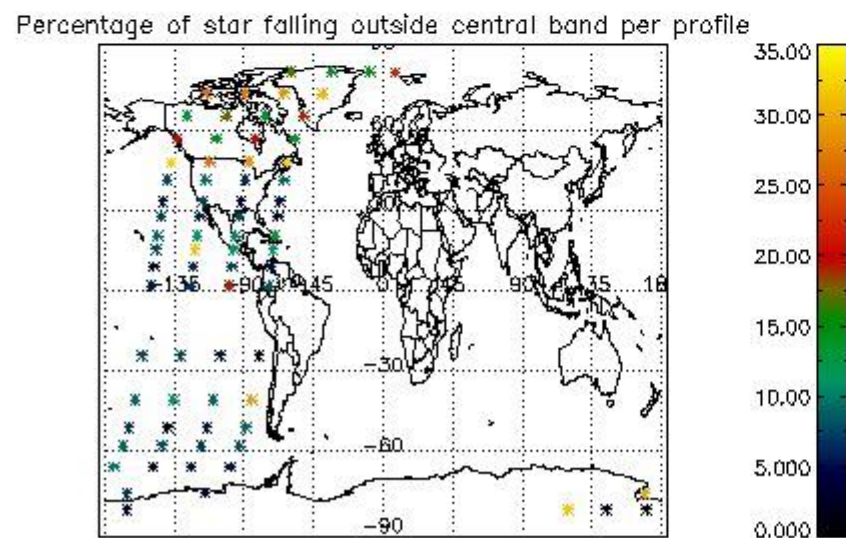
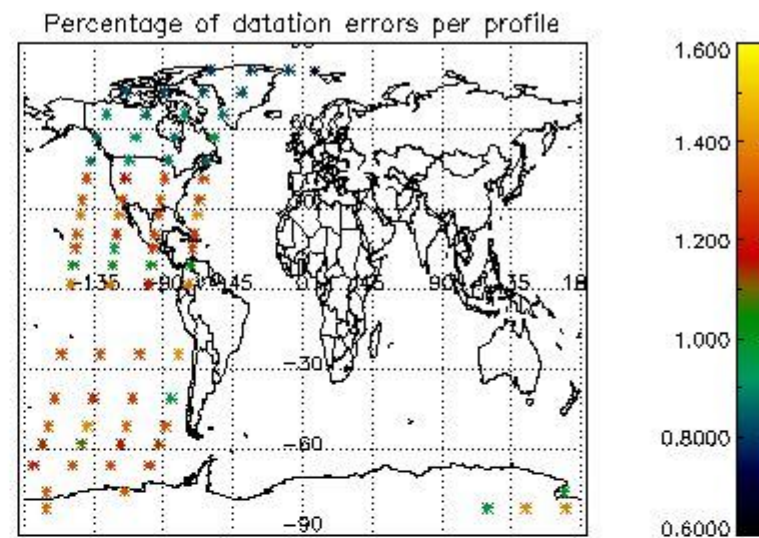
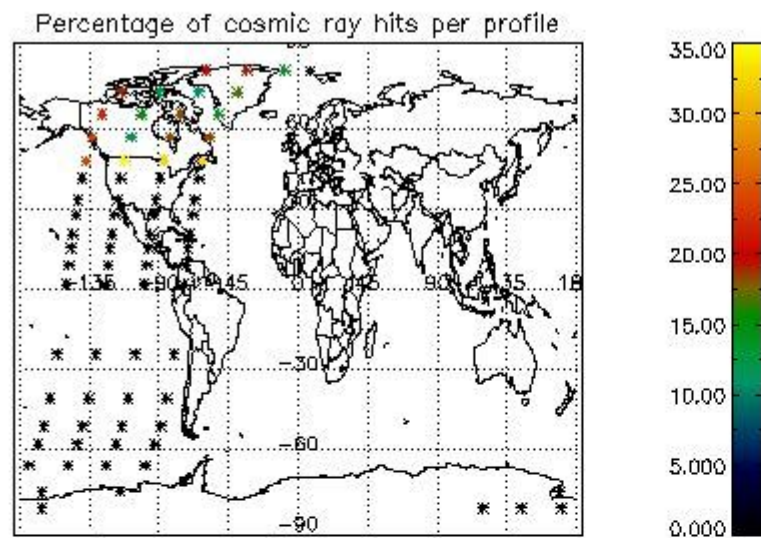
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/o3\_std of the level 2 products. The table below shows the statistics for given STD ranges.

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

- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

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

- Products in dark limb illumination condition: GOM\_NL\_\_2P/NL\_SUMMARY\_QUALITY/obs\_ill\_cond=0
- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

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

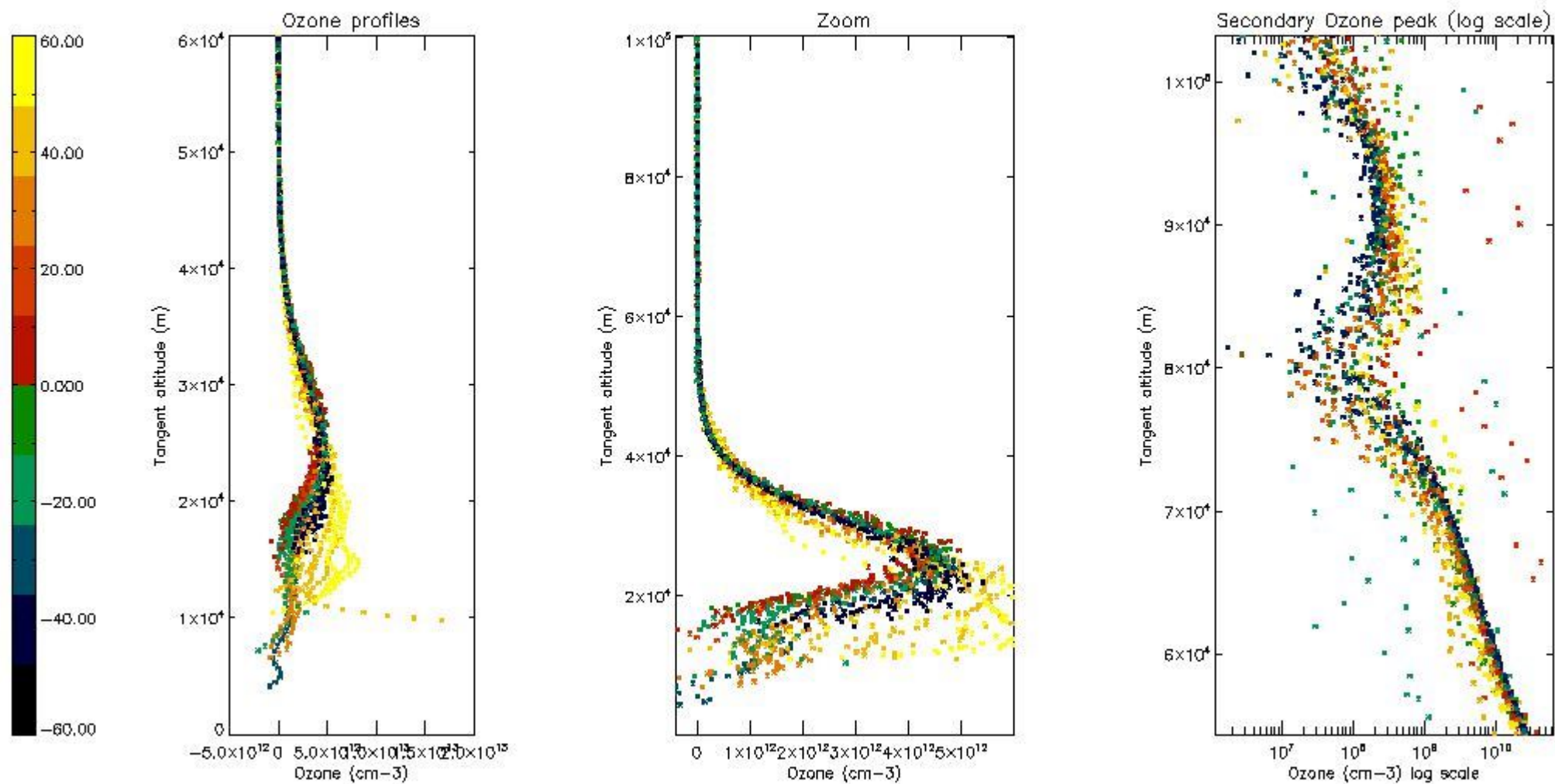
Criteria	% of total production
All STD	36
STD < 20	22



STD < 10	18
STD < 5	14

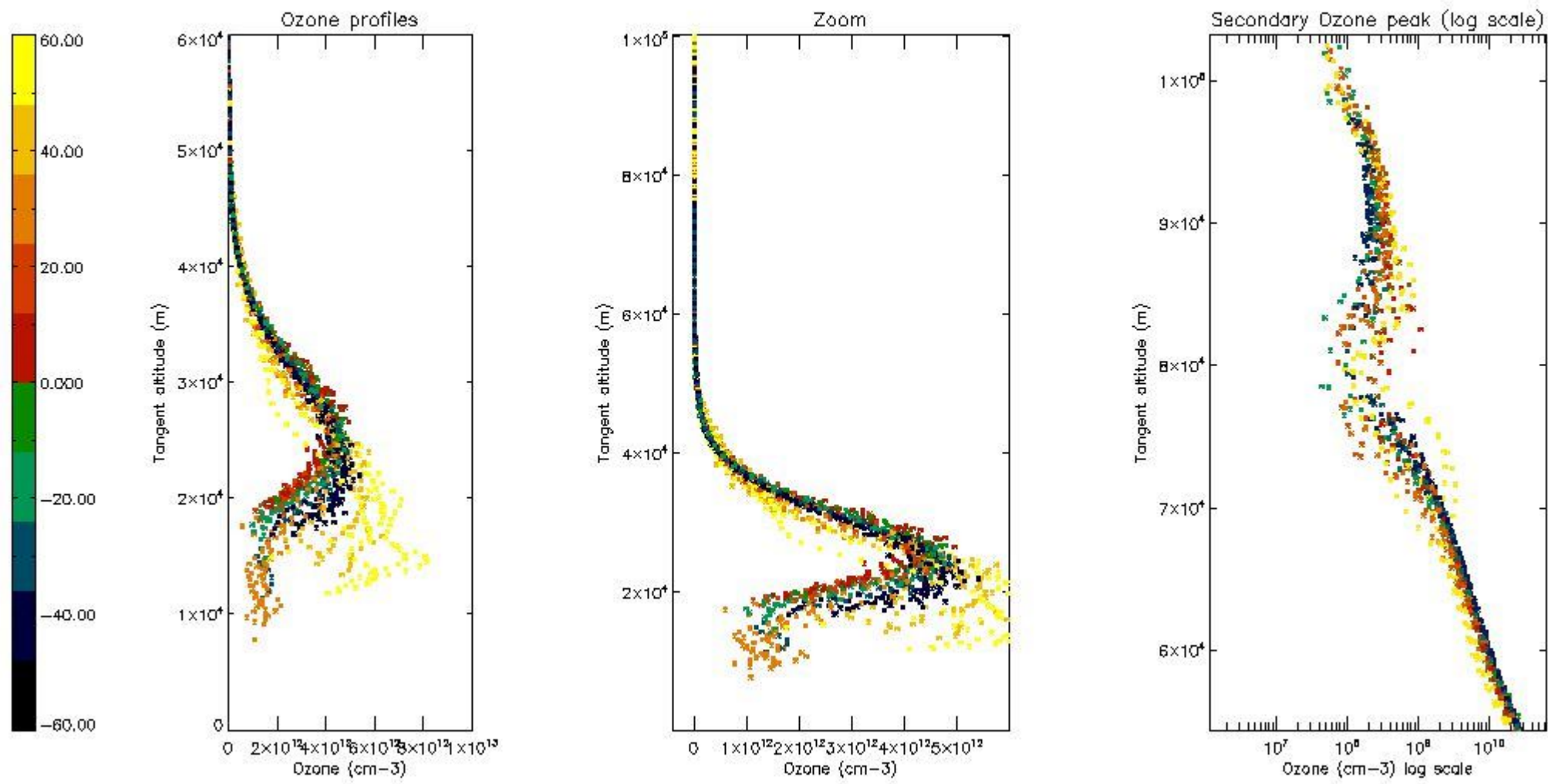
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

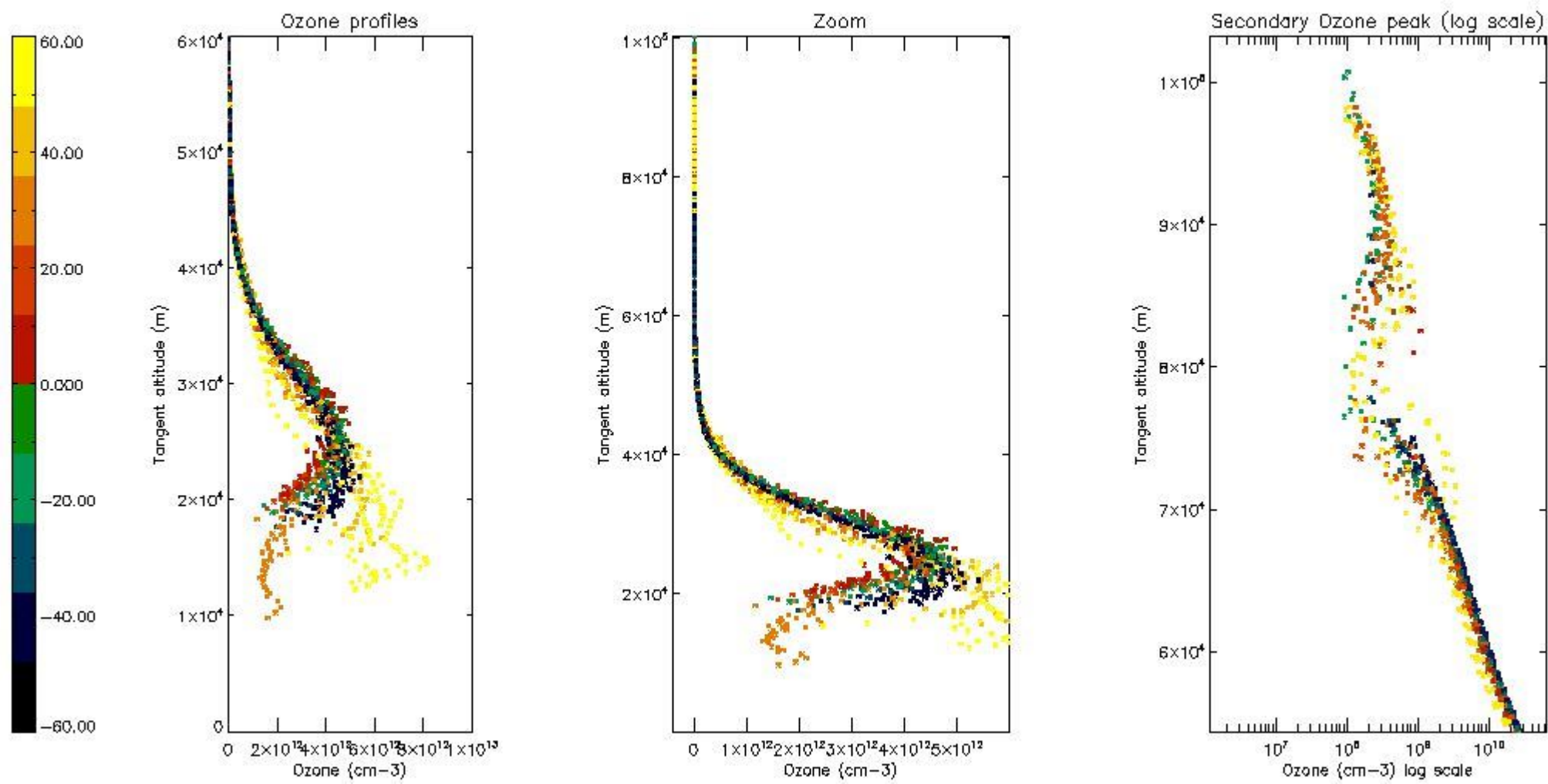
The colorbar represents the latitude.



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

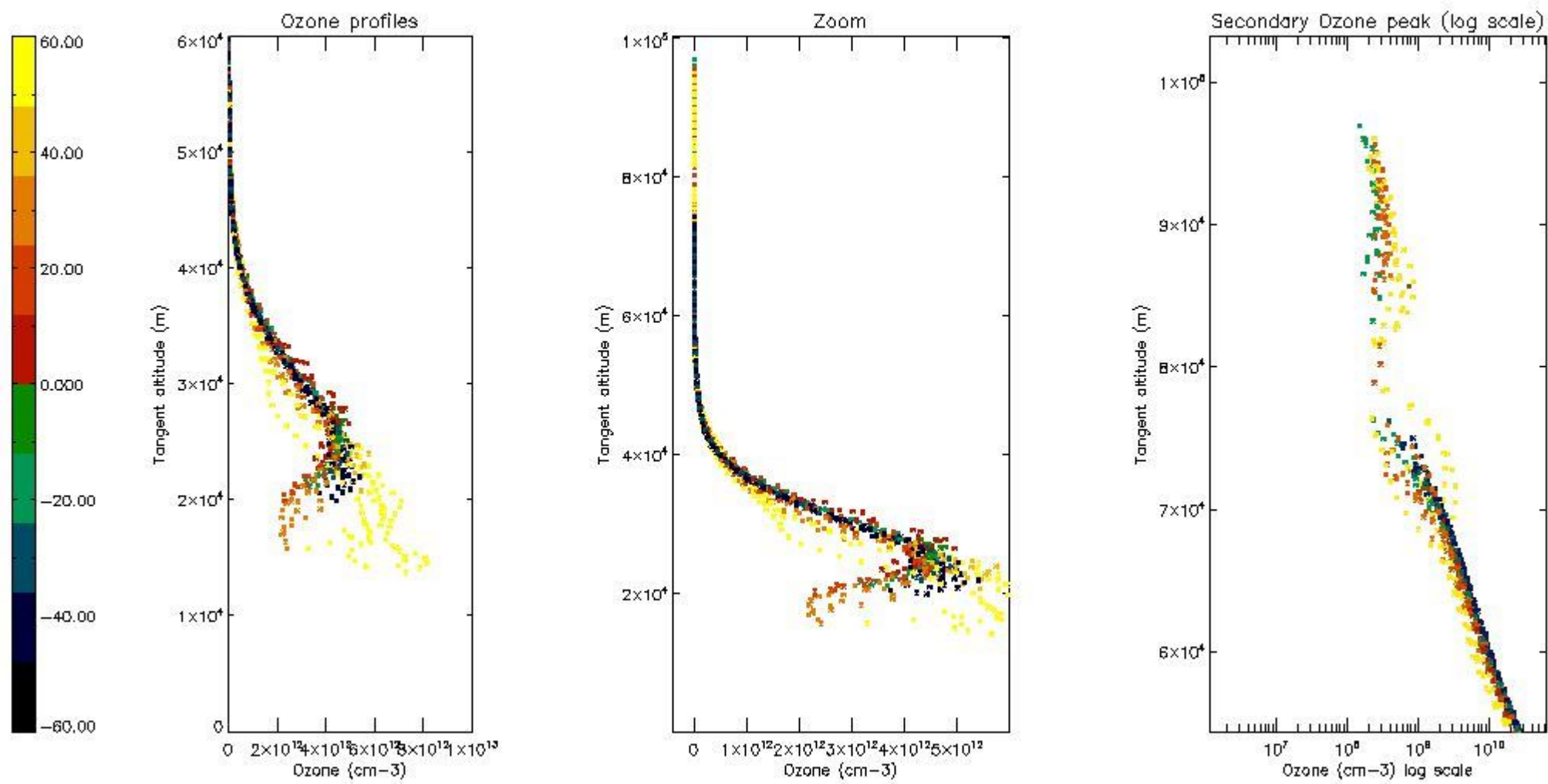
The colorbar represents the latitude.





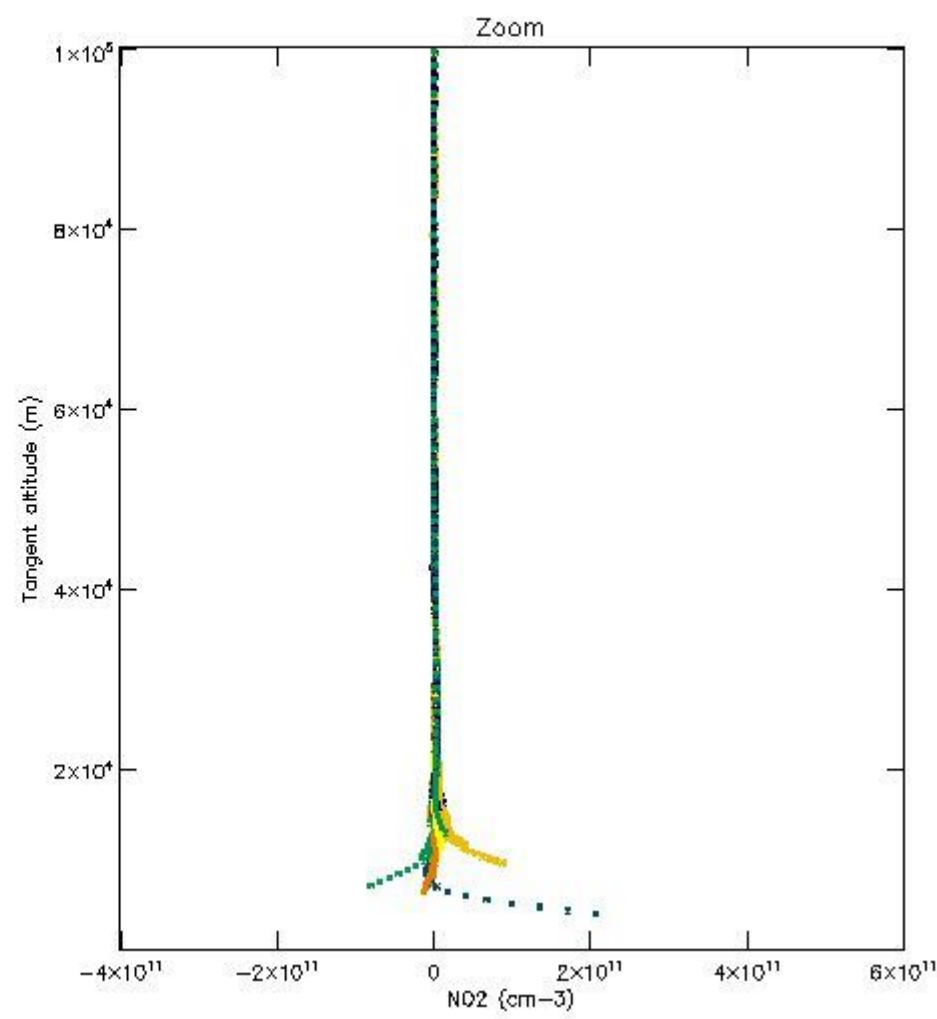
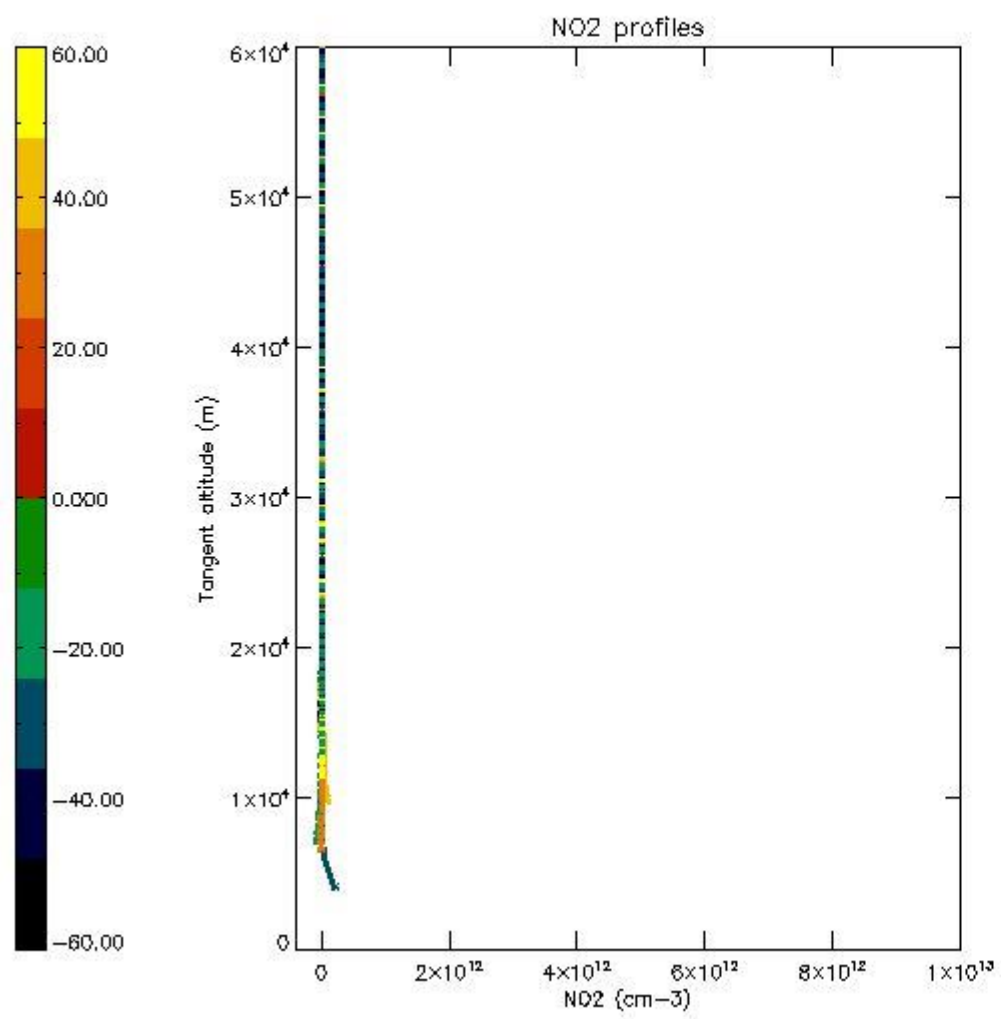
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



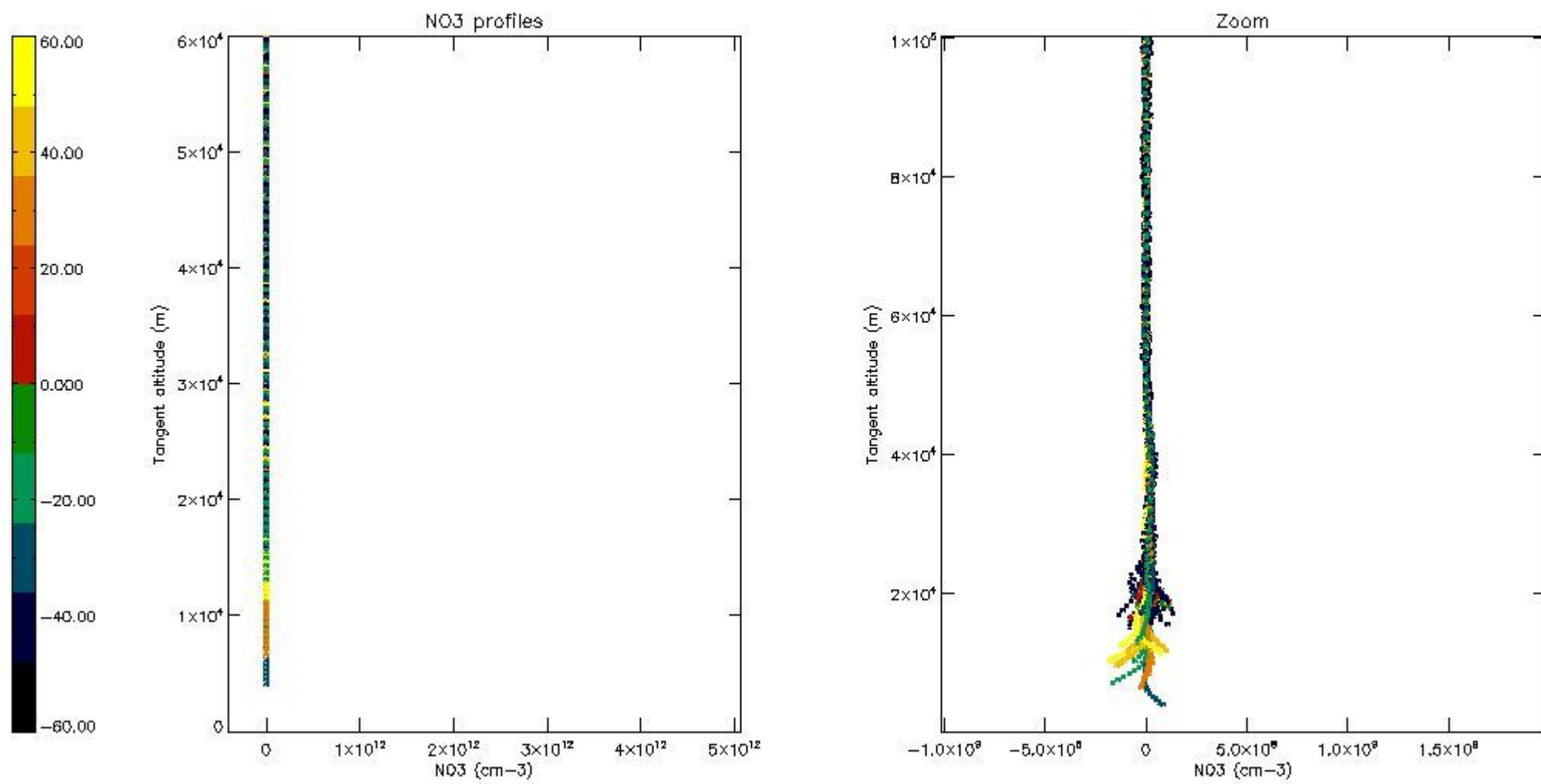
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

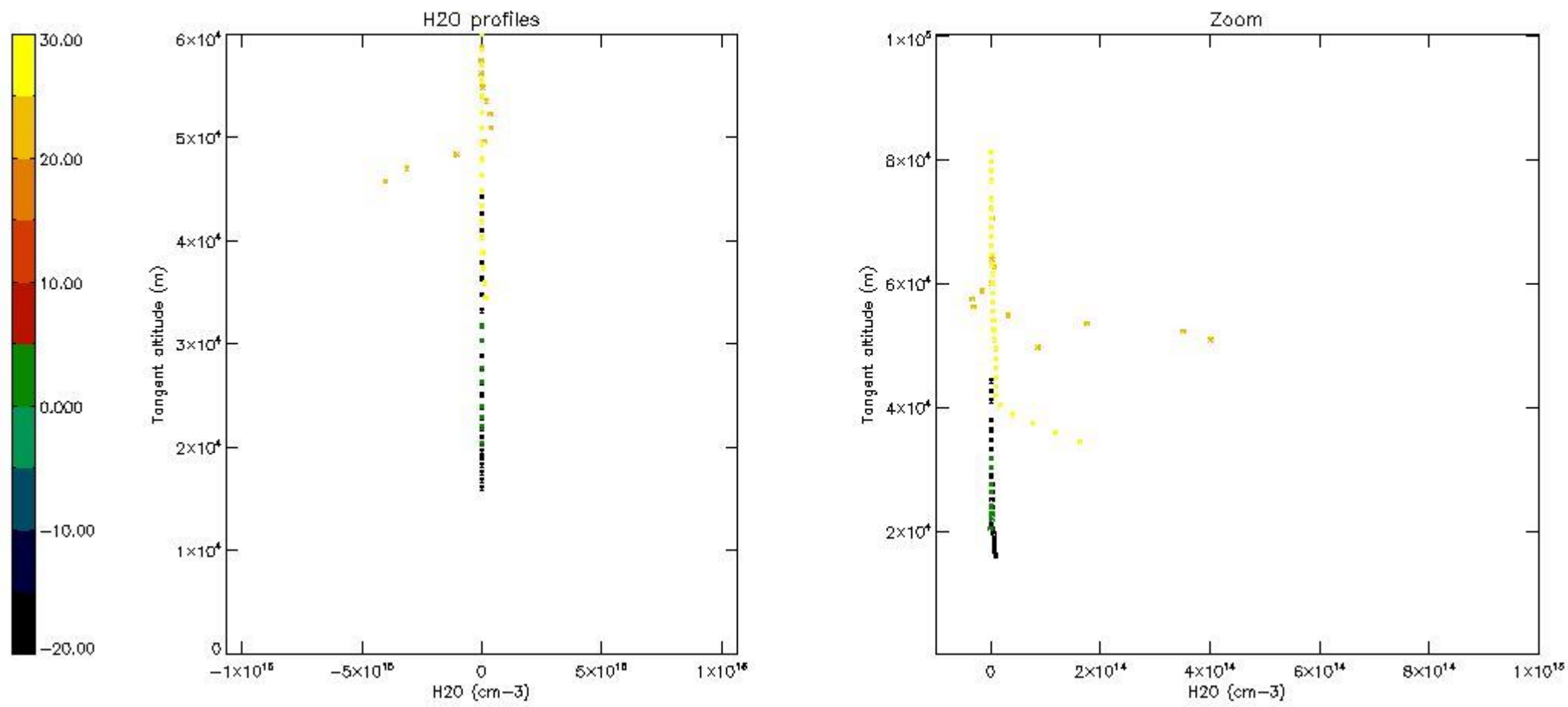
The colorbar represents the latitude.



5.8 Plot H<sub>2</sub>O profiles for all STD (only for occultations of stars 1,2,3,4,13,14,16,26,63 dark without errors)

The colorbar represents the latitude.





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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150440_20020301_000000_20100101_000000	1	08-DEC-2002 14:09:26
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	08-DEC-2002 14:09:26
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	08-DEC-2002 14:09:26

# GOMOS Level 2 Daily Report

## SUMMARY

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

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#### [4.1 Plot of level 1 quality information per product \(time dependant\)](#)

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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	17APR2013 21:01:26
Data source version	GOMOS/6.01
Start time of products	08-12-2002 (08DEC2002 00:00:00)
Stop time of products	09-12-2002 (09DEC2002 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	151
Nb of prods with errors	1

## 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__2PRFIN20021208_140926_000000422011_00483_04044_2017.N1	08-DEC-2002 14:09:26	Dark	42.000	12	Alp1Cru	0.77500	30000.	84	4044	No
2	GOM_NL__2PRFIN20021208_141101_000000482011_00483_04044_2018.N1	08-DEC-2002 14:11:01	Dark	47.500	113	Mu Vel	2.6920	5000.0	95	4044	No
3	GOM_NL__2PRFIN20021208_141502_000000402011_00483_04044_2019.N1	08-DEC-2002 14:15:02	Dark	40.000	29	Bet Car	1.6720	10200.	80	4044	No
4	GOM_NL__2PRFIN20021208_141705_000000602011_00483_04044_2020.N1	08-DEC-2002 14:17:05	Dark	59.500	65	Lam Vel	2.2040	4400.0	119	4044	No
5	GOM_NL__2PRFIN20021208_141941_000000522011_00483_04044_2021.N1	08-DEC-2002 14:19:41	Dark	51.500	34	Gam2Vel	1.7930	23000.	103	4044	No
6	GOM_NL__2PRFIN20021208_142227_000000532011_00483_04044_2022.N1	08-DEC-2002 14:22:27	Dark	52.500	2	Alp Car	-0.73600	7000.0	105	4044	No
7	GOM_NL__2PRFIN20021208_142448_000000642011_00483_04044_2023.N1	08-DEC-2002 14:24:48	Dark	63.500	117	Pi Pup	2.7060	3800.0	127	4044	No
8	GOM_NL__2PRFIN20021208_142820_000000632011_00483_04044_2024.N1	08-DEC-2002 14:28:20	Dark	63.000	23	21Eps CMa	1.5020	26000.	126	4044	No
9	GOM_NL__2PRFIN20021208_143019_000000622011_00483_04044_2025.N1	08-DEC-2002 14:30:19	Straylight	61.500	179	24Omi2CMa	3.0320	24000.	123	4044	No
10	GOM_NL__2PRFIN20021208_143351_000000752011_00483_04044_2026.N1	08-DEC-2002 14:33:51	Straylight	75.000	1	9Alp CMa	-1.4400	11000.	150	4044	No
11	GOM_NL__2PRFIN20021208_143716_000000602011_00483_04044_2027.N1	08-DEC-2002 14:37:16	Straylight	60.000	7	19Bet Ori	0.10000	14000.	120	4044	No
12	GOM_NL__2PRFIN20021208_143950_000000582011_00483_04044_2028.N1	08-DEC-2002 14:39:50	Straylight	57.500	30	46Eps Ori	1.6940	30000.	115	4044	No
13	GOM_NL__2PRFIN20021208_144221_000000522011_00483_04044_2029.N1	08-DEC-2002 14:42:21	Twilight_stray	52.000	27	24Gam Ori	1.6360	26000.	104	4044	No
14	GOM_NL__2PRFIN20021208_144452_000000582011_00483_04044_2030.N1	08-DEC-2002 14:44:52	Bright	58.000	13	87Alp Tau	0.86700	3800.0	116	4044	No
15	GOM_NL__2PRFIN20021208_144647_000000392011_00483_04044_2031.N1	08-DEC-2002 14:46:47	Bright	39.000	146	25Eta Tau	2.8730	15200.	78	4044	No
16	GOM_NL__2PRFIN20021208_144902_000000392011_00483_04044_2032.N1	08-DEC-2002 14:49:02	Bright	39.000	150	44Zet Per	2.8900	28000.	78	4044	No
17	GOM_NL__2PRFIN20021208_145035_000000362011_00483_04044_2033.N1	08-DEC-2002 14:50:35	Bright	35.500	173	4Bet Tri	3.0040	8900.0	71	4044	No
18	GOM_NL__2PRFIN20021208_145237_000000402011_00483_04044_2034.N1	08-DEC-2002 14:52:37	Bright	40.000	73	57Gam1And	2.2600	13100.	80	4044	No
19	GOM_NL__2PRFIN20021208_145403_000000402011_00483_04044_2035.N1	08-DEC-2002 14:54:03	Bright	40.000	35	33Alp Per	1.7950	6250.0	80	4044	No
20	GOM_NL__2PRFIN20021208_145554_000000492011_00483_04044_2036.N1	08-DEC-2002 14:55:54	Bright	48.500	42	34Bet Aur	1.9000	10200.	97	4044	No
21	GOM_NL__2PRFIN20021208_145752_000000372011_00483_04044_2037.N1	08-DEC-2002 14:57:52	Bright	37.000	110	37Del Cas	2.6780	8900.0	74	4044	No
22	GOM_NL__2PRFIN20021208_150509_000000362011_00483_04044_2038.N1	08-DEC-2002 15:05:09	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	4044	No
23	GOM_NL__2PRFIN20021208_150952_000000522011_00483_04044_2039.N1	08-DEC-2002 15:09:52	Bright	51.500	60	7Bet UMi	2.0810	3950.0	103	4044	No
24	GOM_NL__2PRFIN20021208_151249_000000392011_00483_04044_2040.N1	08-DEC-2002 15:12:49	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	4044	No
25	GOM_NL__2PRFIN20021208_151449_000000442011_00483_04044_2041.N1	08-DEC-2002 15:14:49	Bright	44.000	32	77Eps UMa	1.7630	11000.	88	4044	No
26	GOM_NL__2PRFIN20021208_151708_000000402011_00483_04044_2042.N1	08-DEC-2002 15:17:08	Bright	39.500	39	85Eta UMa	1.8540	24000.	79	4044	No
27	GOM_NL__2PRFIN20021208_152014_000000382011_00483_04044_2043.N1	08-DEC-2002 15:20:14	Bright	38.000	180	27Gam Boo	3.0400	8000.0	76	4044	No
28	GOM_NL__2PRFIN20021208_152319_000000382011_00483_04044_2044.N1	08-DEC-2002 15:23:19	Bright	37.500	83		2.3780	11000.	75	4044	No
29	GOM_NL__2PRFIN20021208_152627_000000392011_00483_04044_2045.N1	08-DEC-2002 15:26:27	Bright	38.500	111	8Eta Boo	2.6800	6000.0	77	4044	No
30	GOM_NL__2PRFIN20021208_152954_000000452011_00483_04044_2046.N1	08-DEC-2002 15:29:54	Bright	45.000	138	47Eps Vir	2.8280	4700.0	90	4044	No
31	GOM_NL__2PRFIN20021208_153141_000000792011_00483_04044_2047.N1	08-DEC-2002 15:31:41	Twilight_stray	79.000	62	94Bet Leo	2.1360	9700.0	158	4044	No
32	GOM_NL__2PRFIN20021208_153428_000000012011_00483_04044_2048.N1	08-DEC-2002 15:34:28	Dark	0.50000	1012	Venus	0.0000	0.0000	1	4044	Yes
33	GOM_NL__2PRFIN20021208_153913_000000442011_00483_04044_2049.N1	08-DEC-2002 15:39:13	Twilight_stray	43.500	169	46Gam Hya	2.9910	4700.0	87	4044	No
34	GOM_NL__2PRFIN20021208_154044_000000562011_00483_04044_2050.N1	08-DEC-2002 15:40:44	Dark	56.000	100	4Gam Crv	2.5800	13100.	112	4044	No
35	GOM_NL__2PRFIN20021208_154236_000000432011_00483_04044_2051.N1	08-DEC-2002 15:42:36	Dark	42.500	123	Iot Cen	2.7500	10200.	85	4044	No
36	GOM_NL__2PRFIN20021208_154428_000000402011_00483_04044_2052.N1	08-DEC-2002 15:44:28	Dark	40.000	95	Zet Cen	2.5450	26000.	80	4044	No
37	GOM_NL__2PRFIN20021208_154619_000000392011_00483_04044_2053.N1	08-DEC-2002 15:46:19	Dark	39.000	77	Eps Cen	2.3030	28000.	78	4044	No
38	GOM_NL__2PRFIN20021208_154736_000000522011_00483_04044_2054.N1	08-DEC-2002 15:47:36	Dark	52.000	4	Alp1Cen	-0.010000	5800.0	104	4044	No
39	GOM_NL__2PRFIN20021208_155002_000000442011_00484_04045_2018.N1	08-DEC-2002 15:50:02	Dark	43.500	12	Alp1Cru	0.77500	30000.	87	4045	No
40	GOM_NL__2PRFIN20021208_155138_000000492011_00484_04045_2019.N1	08-DEC-2002 15:51:38	Dark	49.000	113	Mu Vel	2.6920	5000.0	98	4045	No
41	GOM_NL__2PRFIN20021208_155539_000000402011_00484_04045_2020.N1	08-DEC-2002 15:55:39	Dark	40.000	29	Bet Car	1.6720	10200.	80	4045	No
42	GOM_NL__2PRFIN20021208_155751_000000482011_00484_04045_2021.N1	08-DEC-2002 15:57:51	Dark	48.000	41	Eps Car	1.8600	4100.0	96	4045	No

43	GOM_NL__2PRFIN20021208_160016_00000522011_00484_04045_2022.N1	08-DEC-2002 16:00:16	Dark	52.000	34	Gam2Vel	1.7930	23000.	104	4045	No
44	GOM_NL__2PRFIN20021208_160302_00000522011_00484_04045_2023.N1	08-DEC-2002 16:03:02	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	4045	No
45	GOM_NL__2PRFIN20021208_160524_00000622011_00484_04045_2024.N1	08-DEC-2002 16:05:24	Dark	61.500	117	Pi Pup	2.7060	3800.0	123	4045	No
46	GOM_NL__2PRFIN20021208_160856_00000672011_00484_04045_2025.N1	08-DEC-2002 16:08:56	Dark	67.000	23	21Eps CMa	1.5020	26000.	134	4045	No
47	GOM_NL__2PRFIN20021208_161054_00000632011_00484_04045_2026.N1	08-DEC-2002 16:10:54	Straylight	63.000	179	24Omi2CMa	3.0320	24000.	126	4045	No
48	GOM_NL__2PRFIN20021208_161405_00000622011_00484_04045_2027.N1	08-DEC-2002 16:14:05	Straylight	62.000	47	2Bet CMa	1.9760	28000.	124	4045	No
49	GOM_NL__2PRFIN20021208_161751_00000612011_00484_04045_2028.N1	08-DEC-2002 16:17:51	Straylight	61.000	7	19Bet Ori	0.10000	14000.	122	4045	No
50	GOM_NL__2PRFIN20021208_162025_00000552011_00484_04045_2029.N1	08-DEC-2002 16:20:25	Straylight	55.000	30	46Eps Ori	1.6940	30000.	110	4045	No
51	GOM_NL__2PRFIN20021208_162256_00000582011_00484_04045_2030.N1	08-DEC-2002 16:22:56	Tw_i_and_stray	57.500	27	24Gam Ori	1.6360	26000.	115	4045	No
52	GOM_NL__2PRFIN20021208_162527_00000572011_00484_04045_2031.N1	08-DEC-2002 16:25:27	Bright	57.000	13	87Alp Tau	0.86700	3800.0	114	4045	No
53	GOM_NL__2PRFIN20021208_162722_00000392011_00484_04045_2032.N1	08-DEC-2002 16:27:22	Bright	39.000	146	25Eta Tau	2.8730	15200.	78	4045	No
54	GOM_NL__2PRFIN20021208_162938_00000382011_00484_04045_2033.N1	08-DEC-2002 16:29:38	Bright	38.000	150	44Zet Per	2.8900	28000.	76	4045	No
55	GOM_NL__2PRFIN20021208_163111_00000382011_00484_04045_2034.N1	08-DEC-2002 16:31:11	Bright	38.000	173	4Bet Tri	3.0040	8900.0	76	4045	No
56	GOM_NL__2PRFIN20021208_163314_00000392011_00484_04045_2035.N1	08-DEC-2002 16:33:14	Bright	39.000	73	57Gam1And	2.2600	13100.	78	4045	No
57	GOM_NL__2PRFIN20021208_163438_00000402011_00484_04045_2036.N1	08-DEC-2002 16:34:38	Bright	40.000	35	33Alp Per	1.7950	6250.0	80	4045	No
58	GOM_NL__2PRFIN20021208_163630_00000492011_00484_04045_2037.N1	08-DEC-2002 16:36:30	Bright	49.000	42	34Bet Aur	1.9000	10200.	98	4045	No
59	GOM_NL__2PRFIN20021208_163828_00000422011_00484_04045_2038.N1	08-DEC-2002 16:38:28	Bright	42.000	110	37Del Cas	2.6780	8900.0	84	4045	No
60	GOM_NL__2PRFIN20021208_164545_00000392011_00484_04045_2039.N1	08-DEC-2002 16:45:45	Bright	38.500	49	1Alp UMi	1.9900	6300.0	77	4045	No
61	GOM_NL__2PRFIN20021208_165029_00000402011_00484_04045_2040.N1	08-DEC-2002 16:50:29	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	4045	No
62	GOM_NL__2PRFIN20021208_165325_00000382011_00484_04045_2041.N1	08-DEC-2002 16:53:25	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	4045	No
63	GOM_NL__2PRFIN20021208_165525_00000442011_00484_04045_2042.N1	08-DEC-2002 16:55:25	Bright	43.500	32	77Eps UMa	1.7630	11000.	87	4045	No
64	GOM_NL__2PRFIN20021208_165745_00000392011_00484_04045_2043.N1	08-DEC-2002 16:57:45	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	4045	No
65	GOM_NL__2PRFIN20021208_170355_00000372011_00484_04045_2044.N1	08-DEC-2002 17:03:55	Bright	36.500	83		2.3780	11000.	73	4045	No
66	GOM_NL__2PRFIN20021208_170701_00000422011_00484_04045_2045.N1	08-DEC-2002 17:07:01	Bright	42.000	111	8Eta Boo	2.6800	6000.0	84	4045	No
67	GOM_NL__2PRFIN20021208_171030_00000462011_00484_04045_2046.N1	08-DEC-2002 17:10:30	Bright	45.500	138	47Eps Vir	2.8280	4700.0	91	4045	No
68	GOM_NL__2PRFIN20021208_171218_00000782011_00484_04045_2047.N1	08-DEC-2002 17:12:18	Tw_i_and_stray	77.500	62	94Bet Leo	2.1360	9700.0	155	4045	No
69	GOM_NL__2PRFIN20021208_171516_00000522011_00484_04045_2048.N1	08-DEC-2002 17:15:16	Tw_i_and_stray	51.500	121	29Gam Vir	2.7400	7200.0	103	4045	No
70	GOM_NL__2PRFIN20021208_171946_00000462011_00484_04045_2049.N1	08-DEC-2002 17:19:46	Tw_i_and_stray	46.000	169	46Gam Hya	2.9910	4700.0	92	4045	No
71	GOM_NL__2PRFIN20021208_172121_00000542011_00484_04045_2050.N1	08-DEC-2002 17:21:21	Dark	54.000	100	4Gam Crv	2.5800	13100.	108	4045	No
72	GOM_NL__2PRFIN20021208_172312_00000422011_00484_04045_2051.N1	08-DEC-2002 17:23:12	Dark	42.000	123	1ot Cen	2.7500	10200.	84	4045	No
73	GOM_NL__2PRFIN20021208_172504_00000402011_00484_04045_2052.N1	08-DEC-2002 17:25:04	Dark	39.500	95	Zet Cen	2.5450	26000.	79	4045	No
74	GOM_NL__2PRFIN20021208_172718_00000412011_00484_04045_2053.N1	08-DEC-2002 17:27:18	Dark	40.500	64	Gam Cen	2.2000	10600.	81	4045	No
75	GOM_NL__2PRFIN20021208_172919_00000442011_00485_04046_2054.N1	08-DEC-2002 17:29:19	Dark	44.000	26	Gam Cru	1.6240	2900.0	88	4046	No
76	GOM_NL__2PRFIN20021208_173038_00000482011_00485_04046_2018.N1	08-DEC-2002 17:30:38	Dark	47.500	12	Alp1Cru	0.77500	30000.	95	4046	No
77	GOM_NL__2PRFIN20021208_173213_00000502011_00485_04046_2019.N1	08-DEC-2002 17:32:13	Dark	50.000	113	Mu Vel	2.6920	5000.0	100	4046	No
78	GOM_NL__2PRFIN20021208_173615_00000412011_00485_04046_2020.N1	08-DEC-2002 17:36:15	Dark	41.000	29	Bet Car	1.6720	10200.	82	4046	No
79	GOM_NL__2PRFIN20021208_173829_00000452011_00485_04046_2021.N1	08-DEC-2002 17:38:29	Dark	45.000	41	Eps Car	1.8600	4100.0	90	4046	No
80	GOM_NL__2PRFIN20021208_174053_00000522011_00485_04046_2022.N1	08-DEC-2002 17:40:53	Dark	51.500	34	Gam2Vel	1.7930	23000.	103	4046	No
81	GOM_NL__2PRFIN20021208_174339_00000512011_00485_04046_2023.N1	08-DEC-2002 17:43:39	Dark	50.500	2	Alp Car	-0.73600	7000.0	101	4046	No
82	GOM_NL__2PRFIN20021208_174601_00000622011_00485_04046_2024.N1	08-DEC-2002 17:46:01	Dark	61.500	117	Pi Pup	2.7060	3800.0	123	4046	No
83	GOM_NL__2PRFIN20021208_174933_00000612011_00485_04046_2025.N1	08-DEC-2002 17:49:33	Dark	61.000	23	21Eps CMa	1.5020	26000.	122	4046	No
84	GOM_NL__2PRFIN20021208_175130_00000642011_00485_04046_2026.N1	08-DEC-2002 17:51:30	Straylight	64.000	179	24Omi2CMa	3.0320	24000.	128	4046	No
85	GOM_NL__2PRFIN20021208_175439_00000632011_00485_04046_2027.N1	08-DEC-2002 17:54:39	Straylight	62.500	47	2Bet CMa	1.9760	28000.	125	4046	No
86	GOM_NL__2PRFIN20021208_175825_00000612011_00485_04046_2028.N1	08-DEC-2002 17:58:25	Straylight	61.000	7	19Bet Ori	0.10000	14000.	122	4046	No
87	GOM_NL__2PRFIN20021208_180101_00000582011_00485_04046_2029.N1	08-DEC-2002 18:01:01	Straylight	57.500	30	46Eps Ori	1.6940	30000.	115	4046	No
88	GOM_NL__2PRFIN20021208_180331_00000552011_00485_04046_2030.N1	08-DEC-2002 18:03:31	Tw_i_and_stray	54.500	27	24Gam Ori	1.6360	26000.	109	4046	No
89	GOM_NL__2PRFIN20021208_180603_00000552011_00485_04046_2031.N1	08-DEC-2002 18:06:03	Bright	55.000	13	87Alp Tau	0.86700	3800.0	110	4046	No
90	GOM_NL__2PRFIN20021208_180756_00000432011_00485_04046_2032.N1	08-DEC-2002 18:07:56	Bright	42.500	146	25Eta Tau	2.8730	15200.	85	4046	No
91	GOM_NL__2PRFIN20021208_181013_00000392011_00485_04046_2033.N1	08-DEC-2002 18:10:13	Bright	39.000	150	44Zet Per	2.8900	28000.	78	4046	No
92	GOM_NL__2PRFIN20021208_181148_00000372011_00485_04046_2034.N1	08-DEC-2002 18:11:48	Bright	36.500	173	4Bet Tri	3.0040	8900.0	73	4046	No
93	GOM_NL__2PRFIN20021208_181350_00000402011_00485_04046_2035.N1	08-DEC-2002 18:13:50	Bright	40.000	73	57Gam1And	2.2600	13100.	80	4046	No
94	GOM_NL__2PRFIN20021208_181514_00000522011_00485_04046_2036.N1	08-DEC-2002 18:15:14	Bright	52.000	35	33Alp Per	1.7950	6250.0	104	4046	No
95	GOM_NL__2PRFIN20021208_181705_00000502011_00485_04046_2037.N1	08-DEC-2002 18:17:05	Bright	49.500	42	34Bet Aur	1.9000	10200.	99	4046	No
96	GOM_NL__2PRFIN20021208_181905_00000372011_00485_04046_2038.N1	08-DEC-2002 18:19:05	Bright	37.000	110	37Del Cas	2.6780	8900.0	74	4046	No
97	GOM_NL__2PRFIN20021208_182621_00000392011_00485_04046_2039.N1	08-DEC-2002 18:26:21	Bright	38.500	49	1Alp UMi	1.9900	6300.0	77	4046	No
98	GOM_NL__2PRFIN20021208_183104_00000412011_00485_04046_2040.N1	08-DEC-2002 18:31:04	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	4046	No
99	GOM_NL__2PRFIN20021208_183402_00000362011_00485_04046_2041.N1	08-DEC-2002 18:34:02	Bright	35.500	119	14Eta Dra	2.7270	4700.0	71	4046	No
100	GOM_NL__2PRFIN20021208_183559_00000462011_00485_04046_2042.N1	08-DEC-2002 18:35:59	Bright	46.000	32	77Eps UMa	1.7630	11000.	92	4046	No
101	GOM_NL__2PRFIN20021208_183820_00000392011_00485_04046_2043.N1	08-DEC-2002 18:38:20	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	4046	No

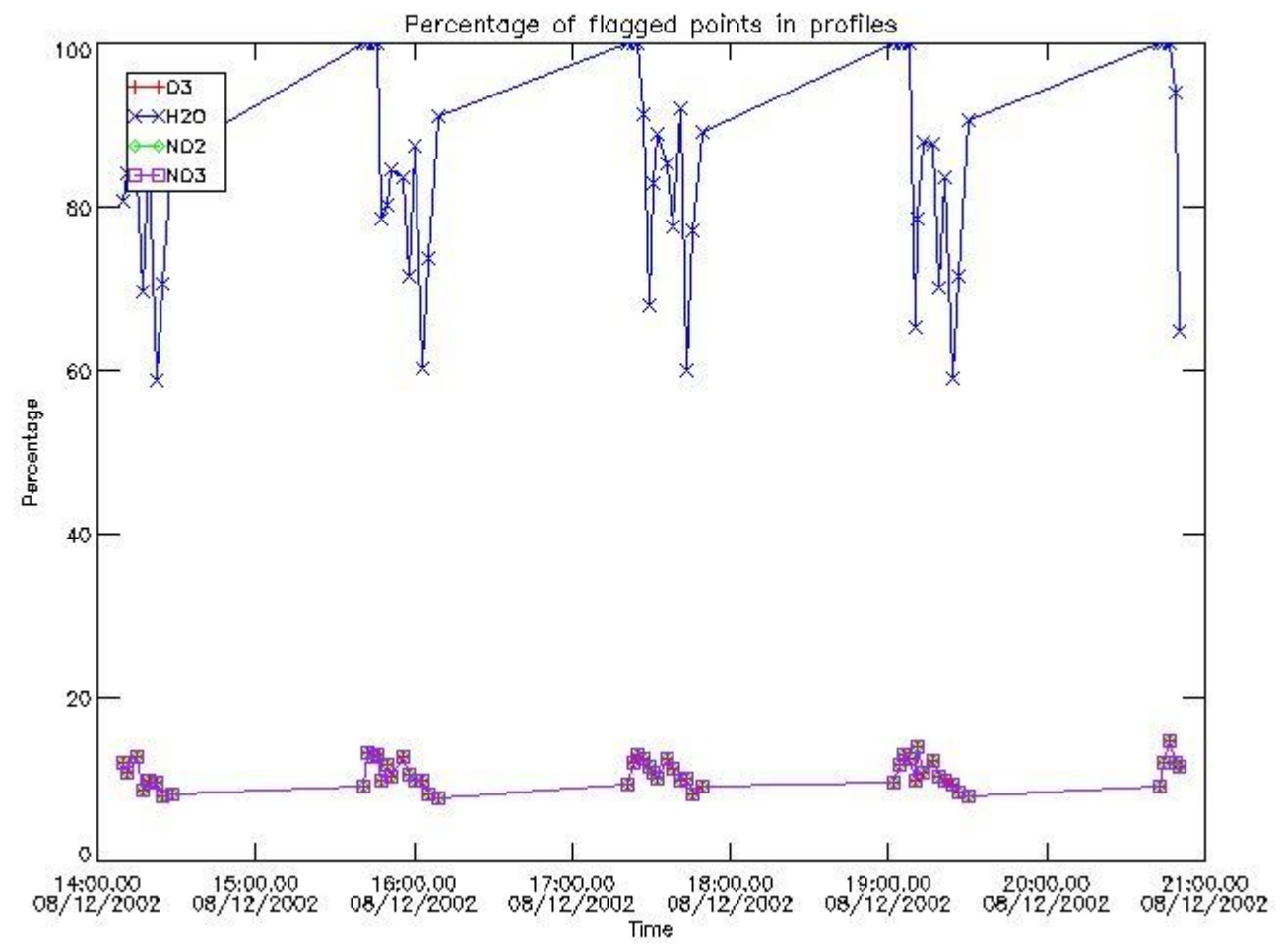


102	GOM_NL__2PRFIN20021208_184126_000000382011_00485_04046_2044.N1	08-DEC-2002 18:41:26	Bright	38.000	180	27Gam Boo	3.0400	8000.0	76	4046	No
103	GOM_NL__2PRFIN20021208_184432_000000362011_00485_04046_2045.N1	08-DEC-2002 18:44:32	Bright	36.000	83		2.3780	11000.	72	4046	No
104	GOM_NL__2PRFIN20021208_184739_000000402011_00485_04046_2046.N1	08-DEC-2002 18:47:39	Bright	39.500	111	8Eta Boo	2.6800	6000.0	79	4046	No
105	GOM_NL__2PRFIN20021208_185107_000000472011_00485_04046_2047.N1	08-DEC-2002 18:51:07	Bright	46.500	138	47Eps Vir	2.8280	4700.0	93	4046	No
106	GOM_NL__2PRFIN20021208_185255_000000762011_00485_04046_2048.N1	08-DEC-2002 18:52:55	Tw_i_and_stray	76.000	62	94Bet Leo	2.1360	9700.0	152	4046	No
107	GOM_NL__2PRFIN20021208_185553_000000562011_00485_04046_2049.N1	08-DEC-2002 18:55:53	Tw_i_and_stray	56.000	121	29Gam Vir	2.7400	7200.0	112	4046	No
108	GOM_NL__2PRFIN20021208_190025_000000492011_00485_04046_2050.N1	08-DEC-2002 19:00:25	Tw_i_and_stray	48.500	169	46Gam Hya	2.9910	4700.0	97	4046	No
109	GOM_NL__2PRFIN20021208_190156_000000542011_00485_04046_2051.N1	08-DEC-2002 19:01:56	Dark	53.500	100	4Gam Crv	2.5800	13100.	107	4046	No
110	GOM_NL__2PRFIN20021208_190349_000000442011_00485_04046_2052.N1	08-DEC-2002 19:03:49	Dark	43.500	123	lot Cen	2.7500	10200.	87	4046	No
111	GOM_NL__2PRFIN20021208_190540_000000392011_00485_04046_2053.N1	08-DEC-2002 19:05:40	Dark	39.000	95	Zet Cen	2.5450	26000.	78	4046	No
112	GOM_NL__2PRFIN20021208_190755_000000412011_00485_04046_2054.N1	08-DEC-2002 19:07:55	Dark	40.500	64	Gam Cen	2.2000	10600.	81	4046	No
113	GOM_NL__2PRFIN20021208_190955_000000512011_00486_04047_2055.N1	08-DEC-2002 19:09:55	Dark	51.000	26	Gam Cru	1.6240	2900.0	102	4047	No
114	GOM_NL__2PRFIN20021208_191115_000000402011_00486_04047_2018.N1	08-DEC-2002 19:11:15	Dark	40.000	12	Alp1Cru	0.77500	30000.	80	4047	No
115	GOM_NL__2PRFIN20021208_191251_000000472011_00486_04047_2019.N1	08-DEC-2002 19:12:51	Dark	46.500	113	Mu Vel	2.6920	5000.0	93	4047	No
116	GOM_NL__2PRFIN20021208_191651_000000422011_00486_04047_2020.N1	08-DEC-2002 19:16:51	Dark	41.500	29	Bet Car	1.6720	10200.	83	4047	No
117	GOM_NL__2PRFIN20021208_191904_000000492011_00486_04047_2021.N1	08-DEC-2002 19:19:04	Dark	49.000	41	Eps Car	1.8600	4100.0	98	4047	No
118	GOM_NL__2PRFIN20021208_192130_000000522011_00486_04047_2022.N1	08-DEC-2002 19:21:30	Dark	52.000	34	Gam2Vel	1.7930	23000.	104	4047	No
119	GOM_NL__2PRFIN20021208_192416_000000542011_00486_04047_2023.N1	08-DEC-2002 19:24:16	Dark	54.000	2	Alp Car	-0.73600	7000.0	108	4047	No
120	GOM_NL__2PRFIN20021208_192638_000000602011_00486_04047_2024.N1	08-DEC-2002 19:26:38	Dark	60.000	117	Pi Pup	2.7060	3800.0	120	4047	No
121	GOM_NL__2PRFIN20021208_193008_000000652011_00486_04047_2025.N1	08-DEC-2002 19:30:08	Dark	65.000	23	21Eps CMa	1.5020	26000.	130	4047	No
122	GOM_NL__2PRFIN20021208_193207_000000662011_00486_04047_2026.N1	08-DEC-2002 19:32:07	Straylight	65.500	179	24Omi2CMa	3.0320	24000.	131	4047	No
123	GOM_NL__2PRFIN20021208_193517_000000632011_00486_04047_2027.N1	08-DEC-2002 19:35:17	Straylight	63.000	47	2Bet CMa	1.9760	28000.	126	4047	No
124	GOM_NL__2PRFIN20021208_193901_000000612011_00486_04047_2028.N1	08-DEC-2002 19:39:01	Straylight	60.500	7	19Bet Ori	0.10000	14000.	121	4047	No
125	GOM_NL__2PRFIN20021208_194137_000000552011_00486_04047_2029.N1	08-DEC-2002 19:41:37	Straylight	55.000	30	46Eps Ori	1.6940	30000.	110	4047	No
126	GOM_NL__2PRFIN20021208_194407_000000582011_00486_04047_2030.N1	08-DEC-2002 19:44:07	Tw_i_and_stray	57.500	27	24Gam Ori	1.6360	26000.	115	4047	No
127	GOM_NL__2PRFIN20021208_194640_000000572011_00486_04047_2031.N1	08-DEC-2002 19:46:40	Bright	57.000	13	87Alp Tau	0.86700	3800.0	114	4047	No
128	GOM_NL__2PRFIN20021208_194833_000000392011_00486_04047_2032.N1	08-DEC-2002 19:48:33	Bright	39.000	146	25Eta Tau	2.8730	15200.	78	4047	No
129	GOM_NL__2PRFIN20021208_195049_000000392011_00486_04047_2033.N1	08-DEC-2002 19:50:49	Bright	38.500	150	44Zet Per	2.8900	28000.	77	4047	No
130	GOM_NL__2PRFIN20021208_195224_000000372011_00486_04047_2034.N1	08-DEC-2002 19:52:24	Bright	36.500	173	4Bet Tri	3.0040	8900.0	73	4047	No
131	GOM_NL__2PRFIN20021208_195426_000000392011_00486_04047_2035.N1	08-DEC-2002 19:54:26	Bright	38.500	73	57Gam1And	2.2600	13100.	77	4047	No
132	GOM_NL__2PRFIN20021208_195550_000000392011_00486_04047_2036.N1	08-DEC-2002 19:55:50	Bright	39.000	35	33Alp Per	1.7950	6250.0	78	4047	No
133	GOM_NL__2PRFIN20021208_195740_000000492011_00486_04047_2037.N1	08-DEC-2002 19:57:40	Bright	49.000	42	34Bet Aur	1.9000	10200.	98	4047	No
134	GOM_NL__2PRFIN20021208_195940_000000372011_00486_04047_2038.N1	08-DEC-2002 19:59:40	Bright	36.500	110	37Del Cas	2.6780	8900.0	73	4047	No
135	GOM_NL__2PRFIN20021208_200657_000000392011_00486_04047_2039.N1	08-DEC-2002 20:06:57	Bright	39.000	49	1Alp UMi	1.9900	6300.0	78	4047	No
136	GOM_NL__2PRFIN20021208_201141_000000392011_00486_04047_2040.N1	08-DEC-2002 20:11:41	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	4047	No
137	GOM_NL__2PRFIN20021208_201438_000000382011_00486_04047_2041.N1	08-DEC-2002 20:14:38	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	4047	No
138	GOM_NL__2PRFIN20021208_201637_000000442011_00486_04047_2042.N1	08-DEC-2002 20:16:37	Bright	44.000	32	77Eps UMa	1.7630	11000.	88	4047	No
139	GOM_NL__2PRFIN20021208_201856_000000422011_00486_04047_2043.N1	08-DEC-2002 20:18:56	Bright	41.500	39	85Eta UMa	1.8540	24000.	83	4047	No
140	GOM_NL__2PRFIN20021208_202202_000000512011_00486_04047_2044.N1	08-DEC-2002 20:22:02	Bright	50.500	180	27Gam Boo	3.0400	8000.0	101	4047	No
141	GOM_NL__2PRFIN20021208_202508_000000522011_00486_04047_2045.N1	08-DEC-2002 20:25:08	Bright	52.000	83		2.3780	11000.	104	4047	No
142	GOM_NL__2PRFIN20021208_202815_000000402011_00486_04047_2046.N1	08-DEC-2002 20:28:15	Bright	40.000	111	8Eta Boo	2.6800	6000.0	80	4047	No
143	GOM_NL__2PRFIN20021208_203142_000000472011_00486_04047_2047.N1	08-DEC-2002 20:31:42	Bright	47.000	138	47Eps Vir	2.8280	4700.0	94	4047	No
144	GOM_NL__2PRFIN20021208_203331_000000792011_00486_04047_2048.N1	08-DEC-2002 20:33:31	Tw_i_and_stray	79.000	62	94Bet Leo	2.1360	9700.0	158	4047	No
145	GOM_NL__2PRFIN20021208_203629_000000572011_00486_04047_2049.N1	08-DEC-2002 20:36:29	Tw_i_and_stray	56.500	121	29Gam Vir	2.7400	7200.0	113	4047	No
146	GOM_NL__2PRFIN20021208_204101_000000472011_00486_04047_2050.N1	08-DEC-2002 20:41:01	Tw_i_and_stray	46.500	169	46Gam Hya	2.9910	4700.0	93	4047	No
147	GOM_NL__2PRFIN20021208_204235_000000562011_00486_04047_2051.N1	08-DEC-2002 20:42:35	Dark	56.000	100	4Gam Crv	2.5800	13100.	112	4047	No
148	GOM_NL__2PRFIN20021208_204426_000000422011_00486_04047_2052.N1	08-DEC-2002 20:44:26	Dark	42.000	123	lot Cen	2.7500	10200.	84	4047	No
149	GOM_NL__2PRFIN20021208_204617_000000382011_00486_04047_2053.N1	08-DEC-2002 20:46:17	Dark	38.000	95	Zet Cen	2.5450	26000.	76	4047	No
150	GOM_NL__2PRFIN20021208_204831_000000422011_00486_04047_2054.N1	08-DEC-2002 20:48:31	Dark	42.000	64	Gam Cen	2.2000	10600.	84	4047	No
151	GOM_NL__2PRFIN20021208_205033_000000452011_00487_04048_2055.N1	08-DEC-2002 20:50:33	Dark	44.500	26	Gam Cru	1.6240	2900.0	89	4048	No

### 3. Quality information per product

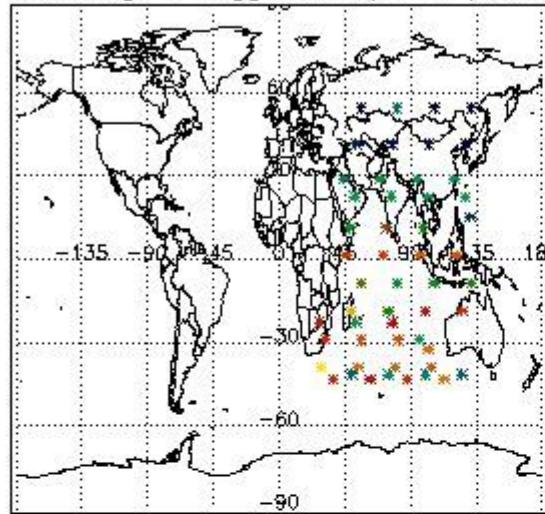
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

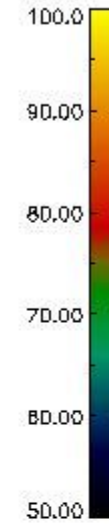
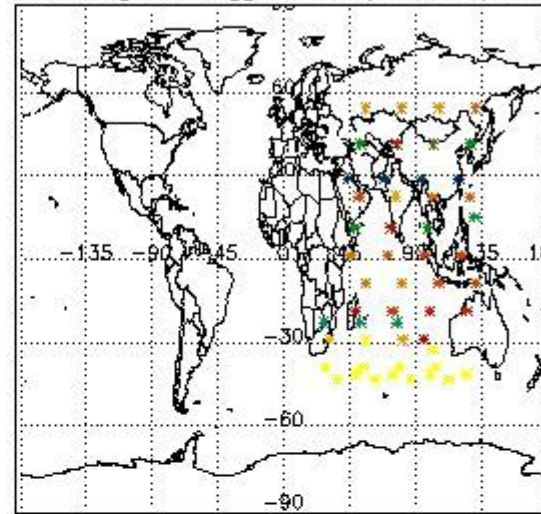


3.2 Plot quality information per product (world map)

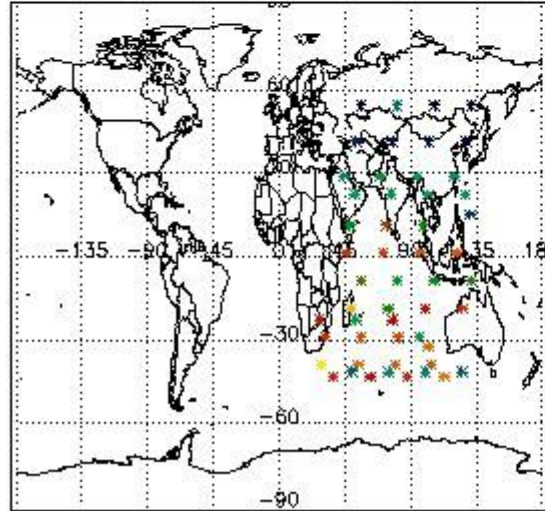
Percentage of flagged data per O3 profile



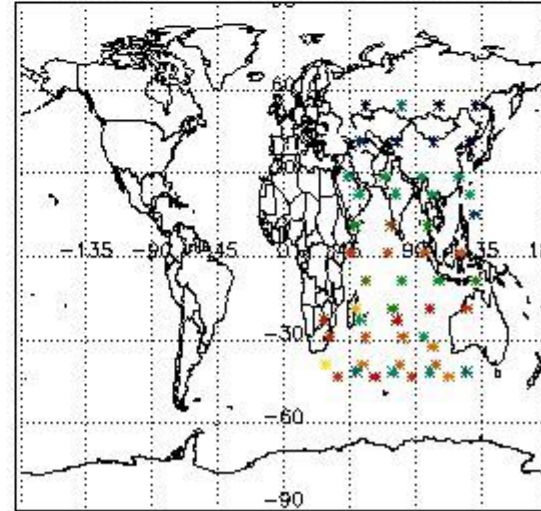
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

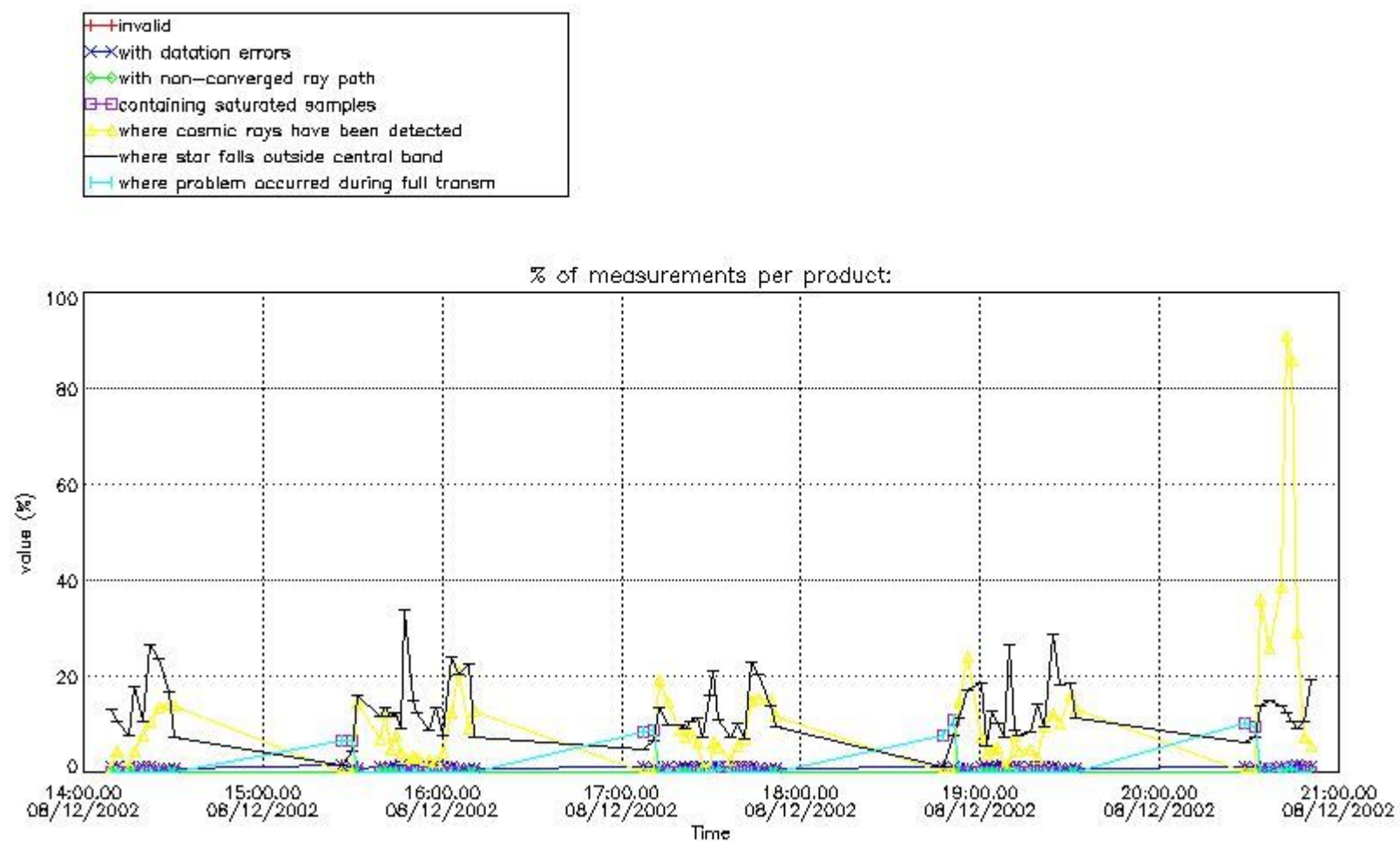


#### 4. Level 1 quality information per product

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

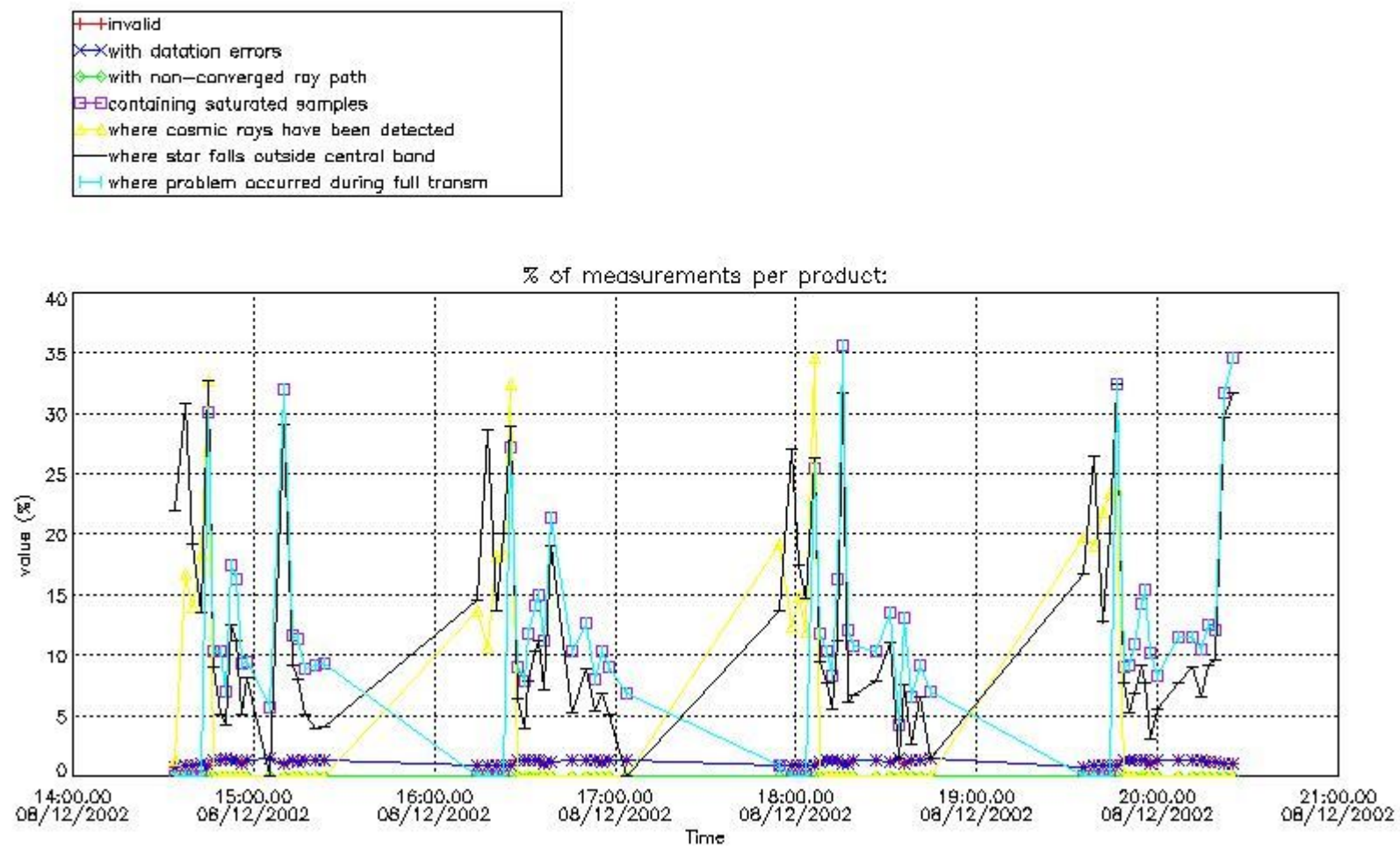
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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



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

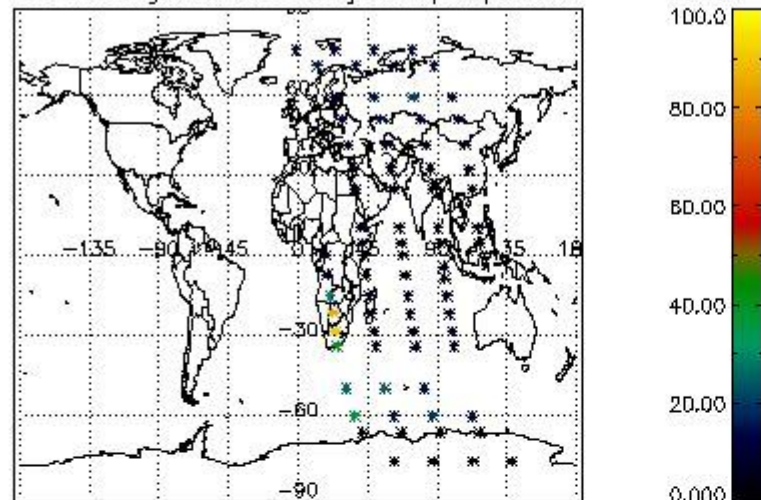




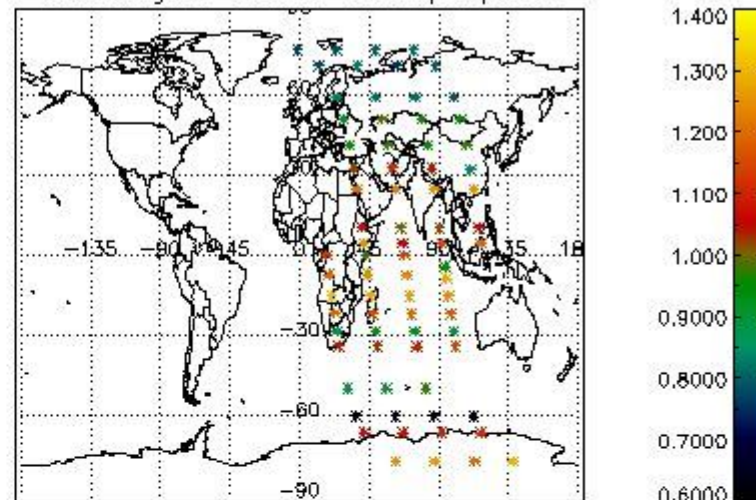
4.2 Plot quality information per product coming from level 1b processing (world map)

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

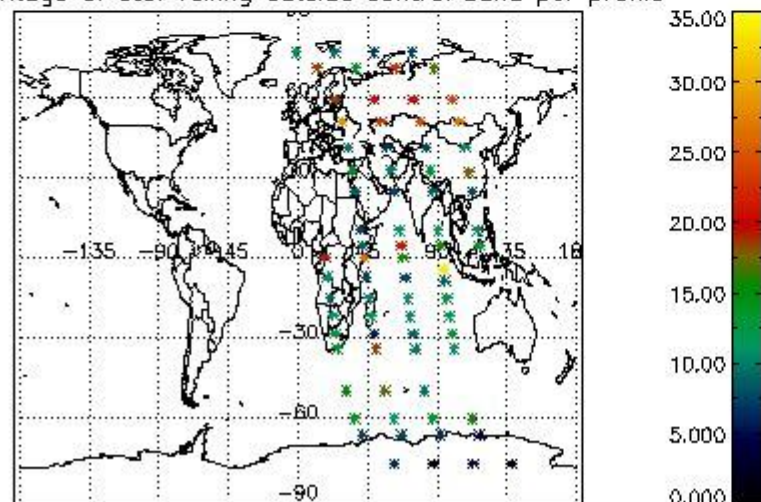
Percentage of cosmic ray hits per profile



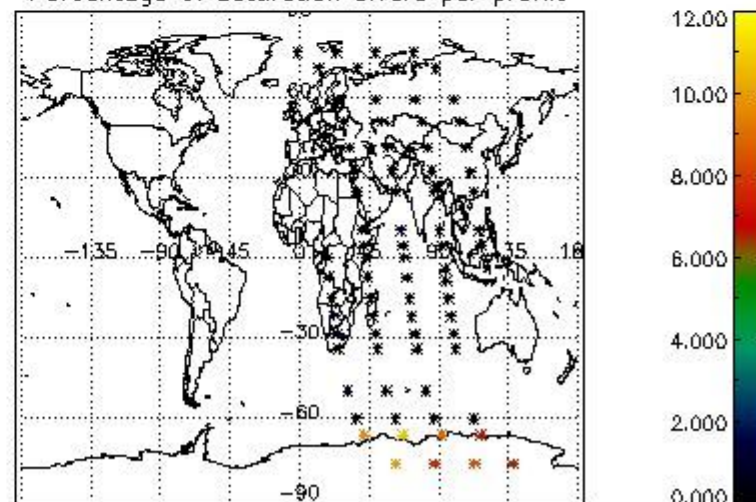
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

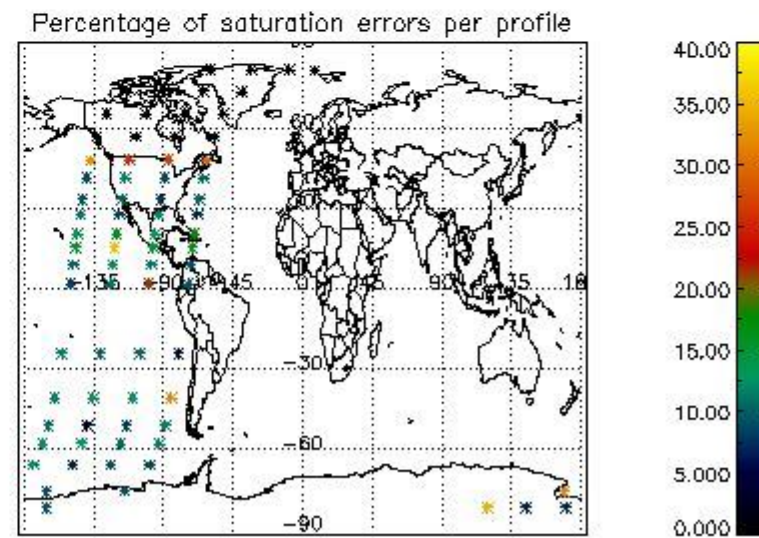
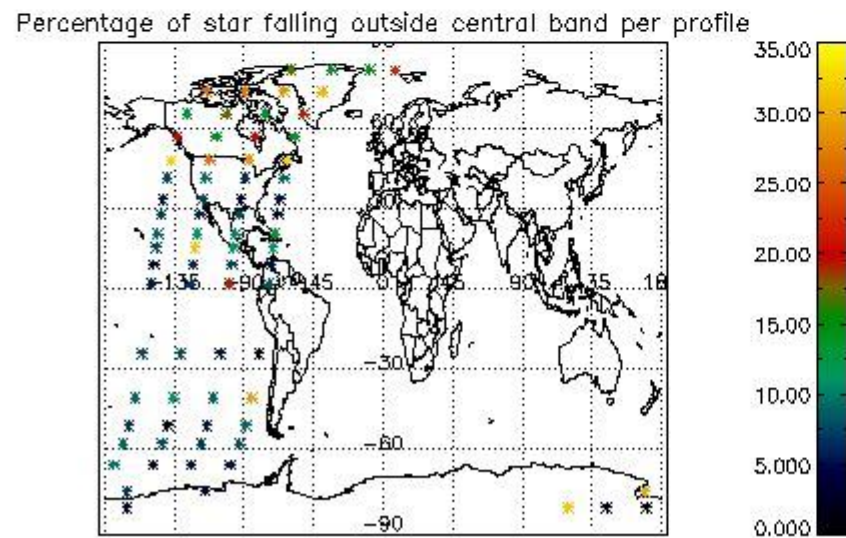
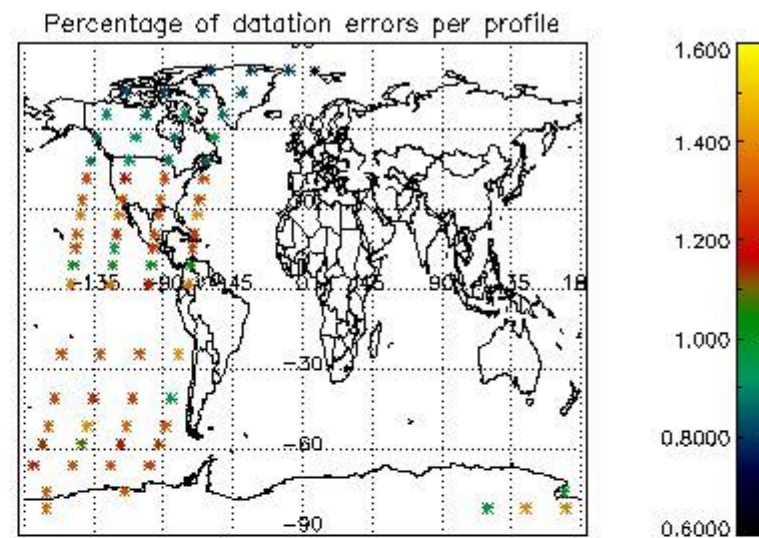
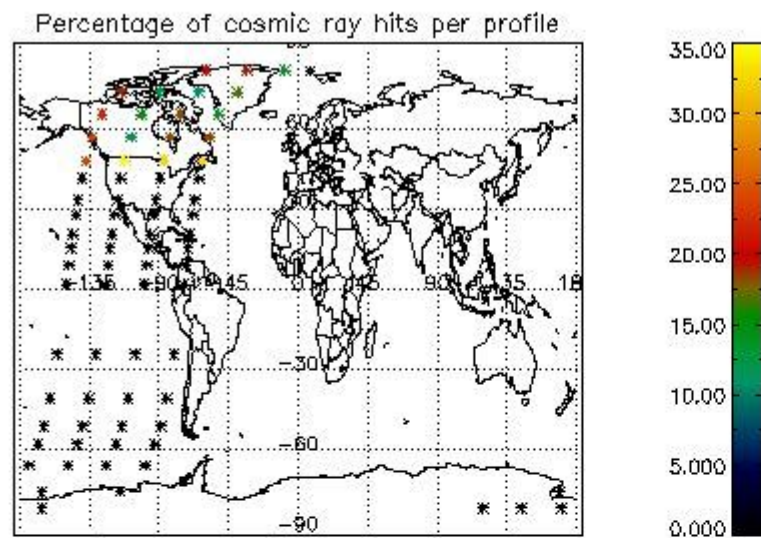


Percentage of saturation errors per profile



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





## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/o3\_std of the level 2 products. The table below shows the statistics for given STD ranges.

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

- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

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

- Products in dark limb illumination condition: GOM\_NL\_\_2P/NL\_SUMMARY\_QUALITY/obs\_ill\_cond=0
- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

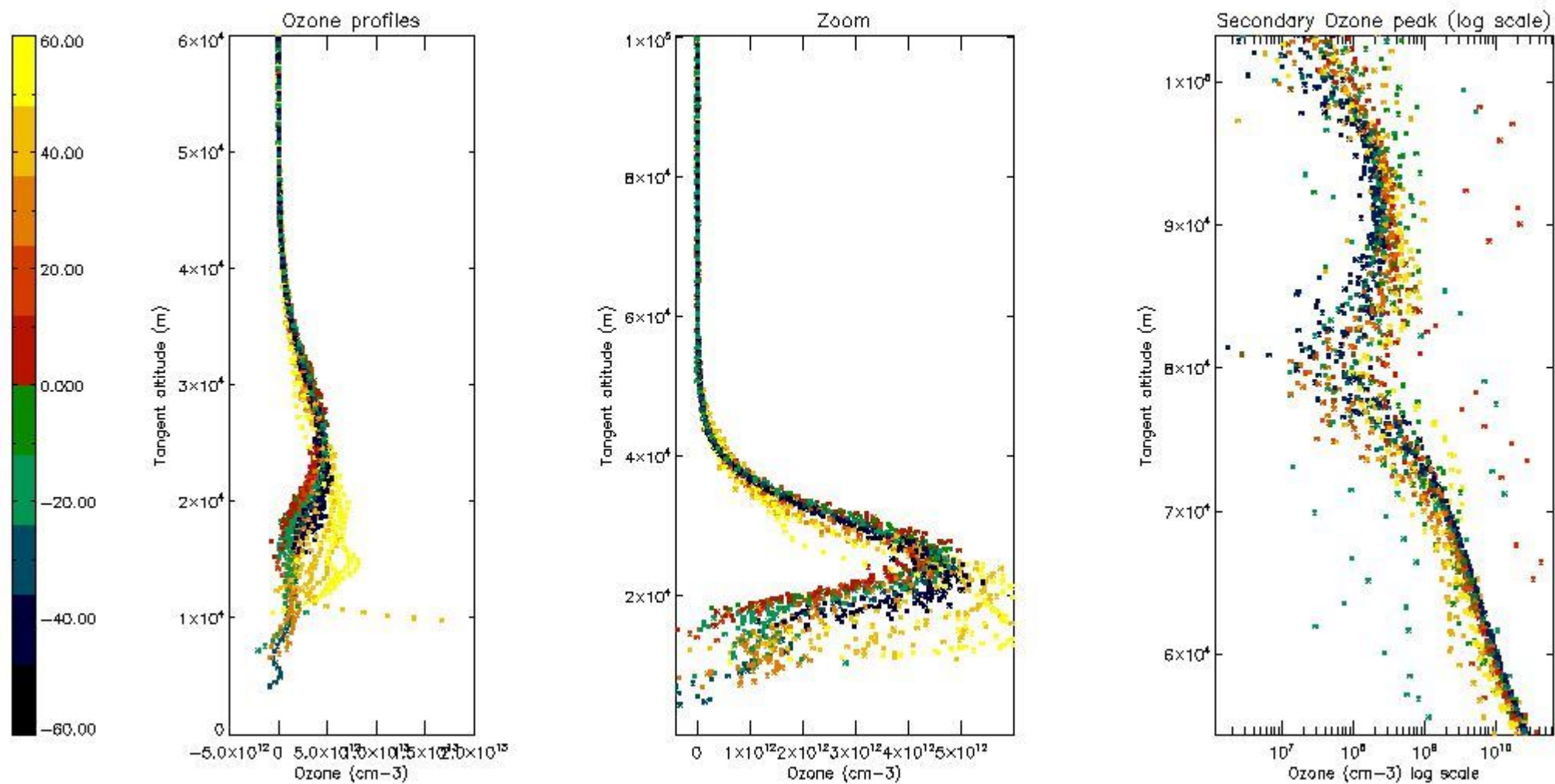
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	36
STD < 20	22

STD < 10	18
STD < 5	14

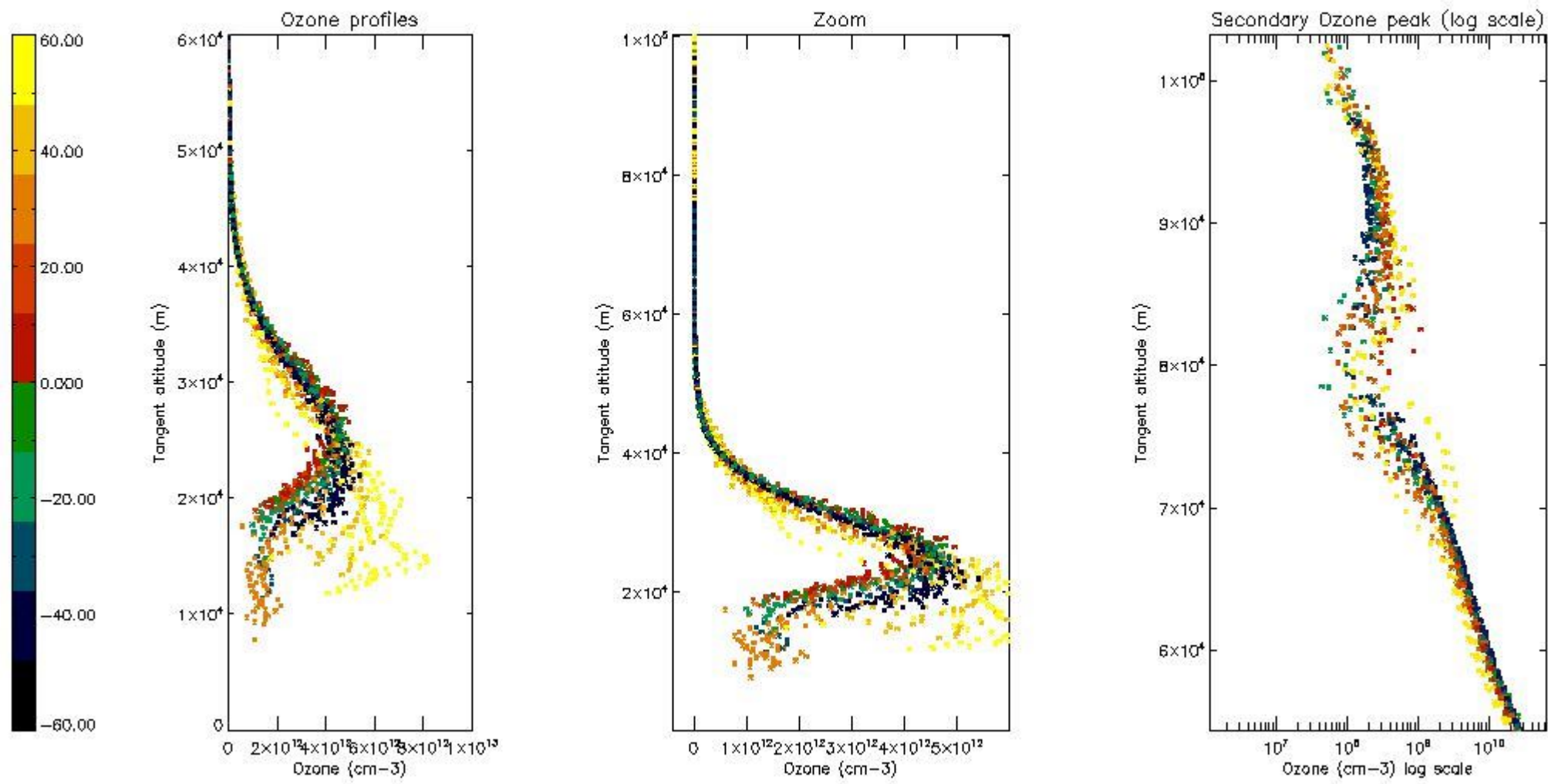
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

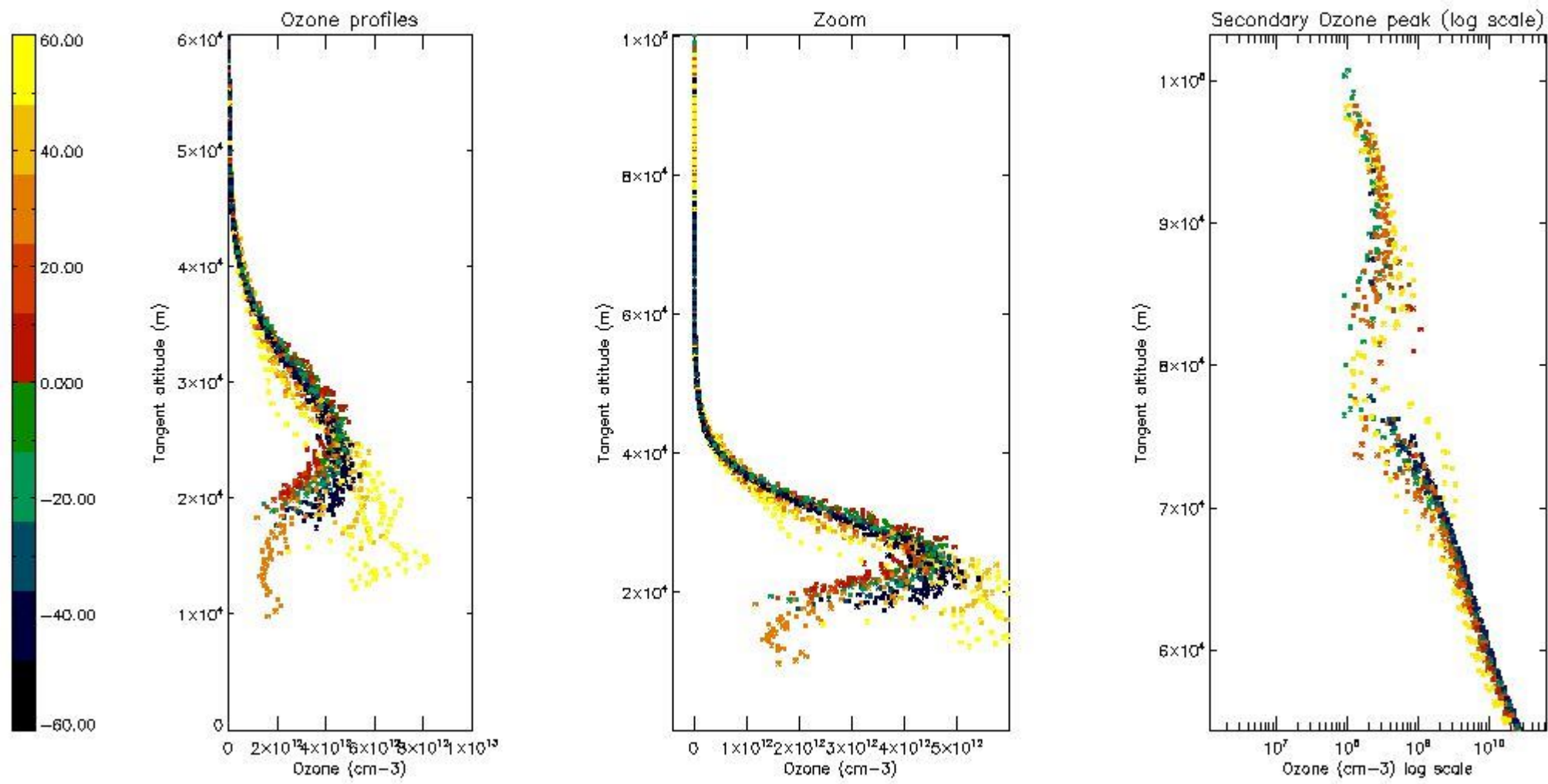
The colorbar represents the latitude.



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

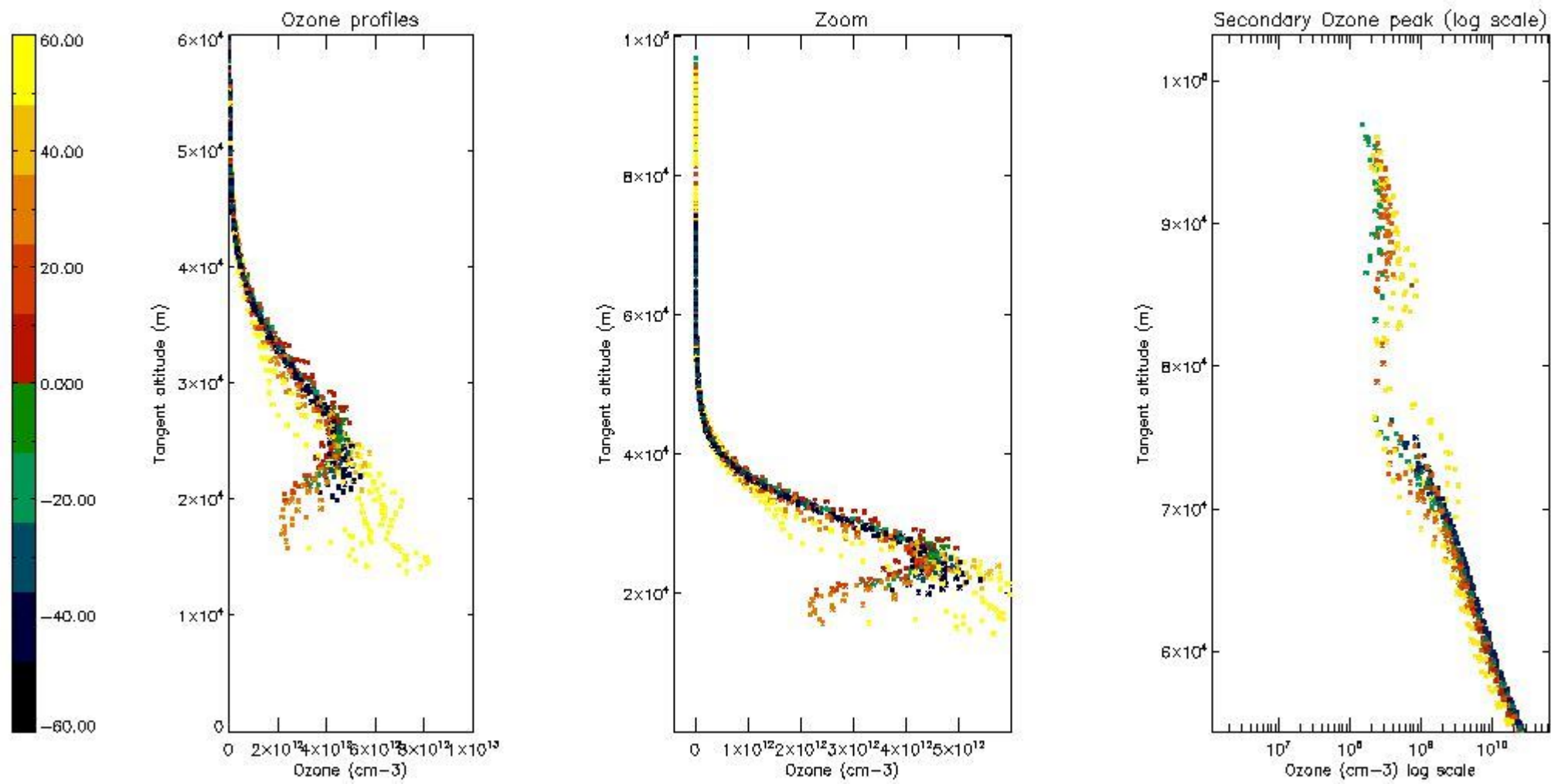
The colorbar represents the latitude.





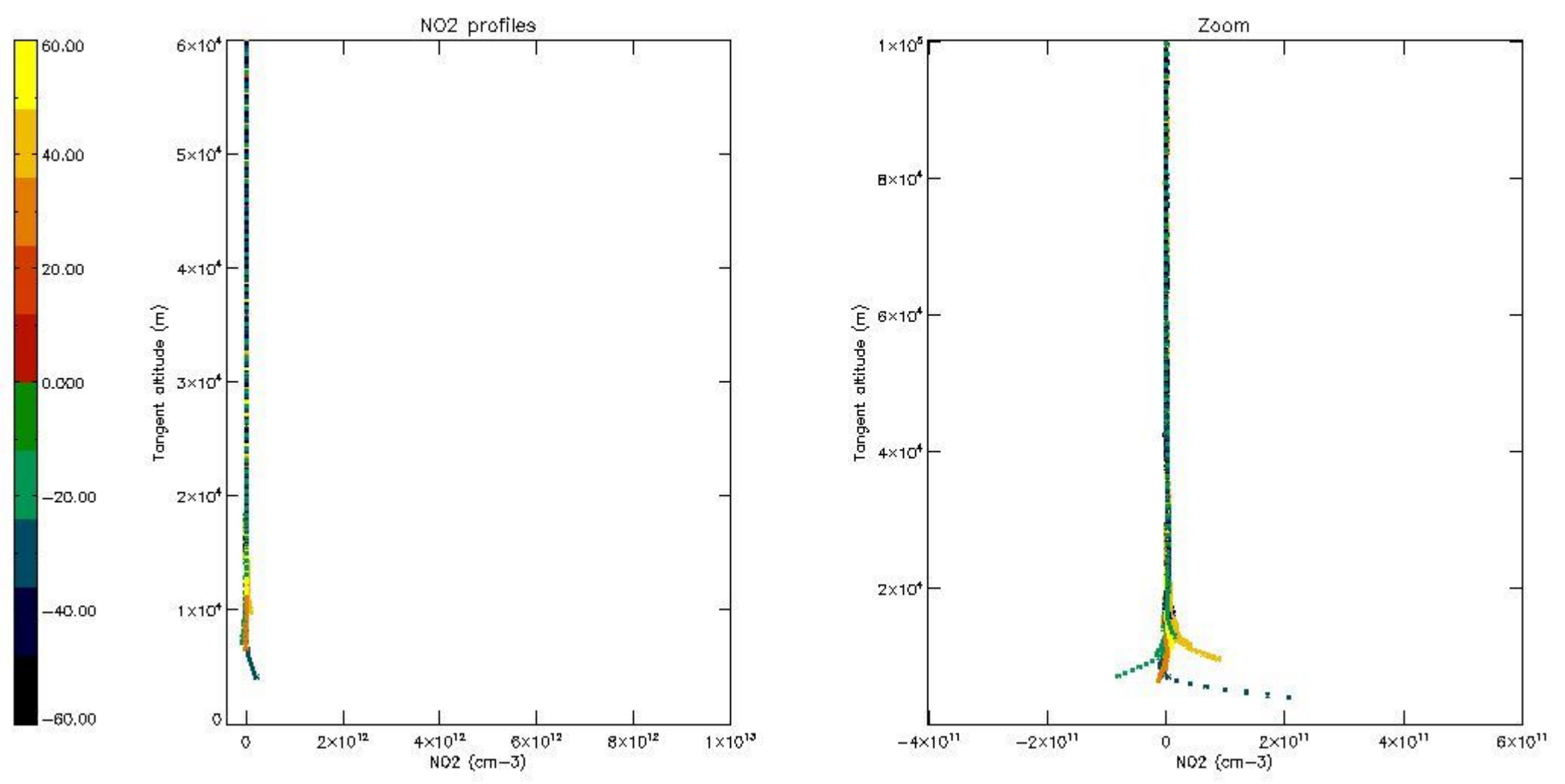
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



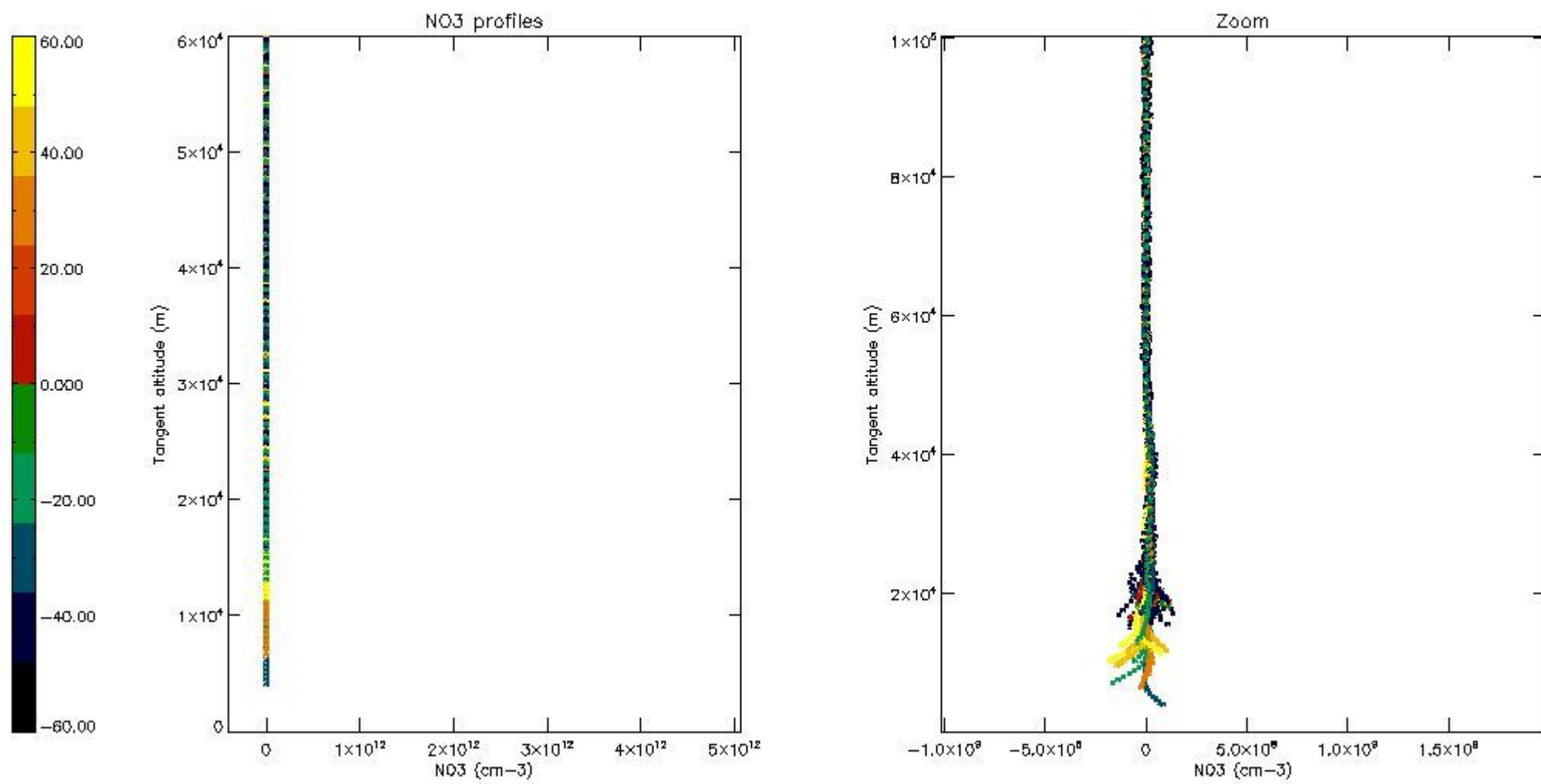
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



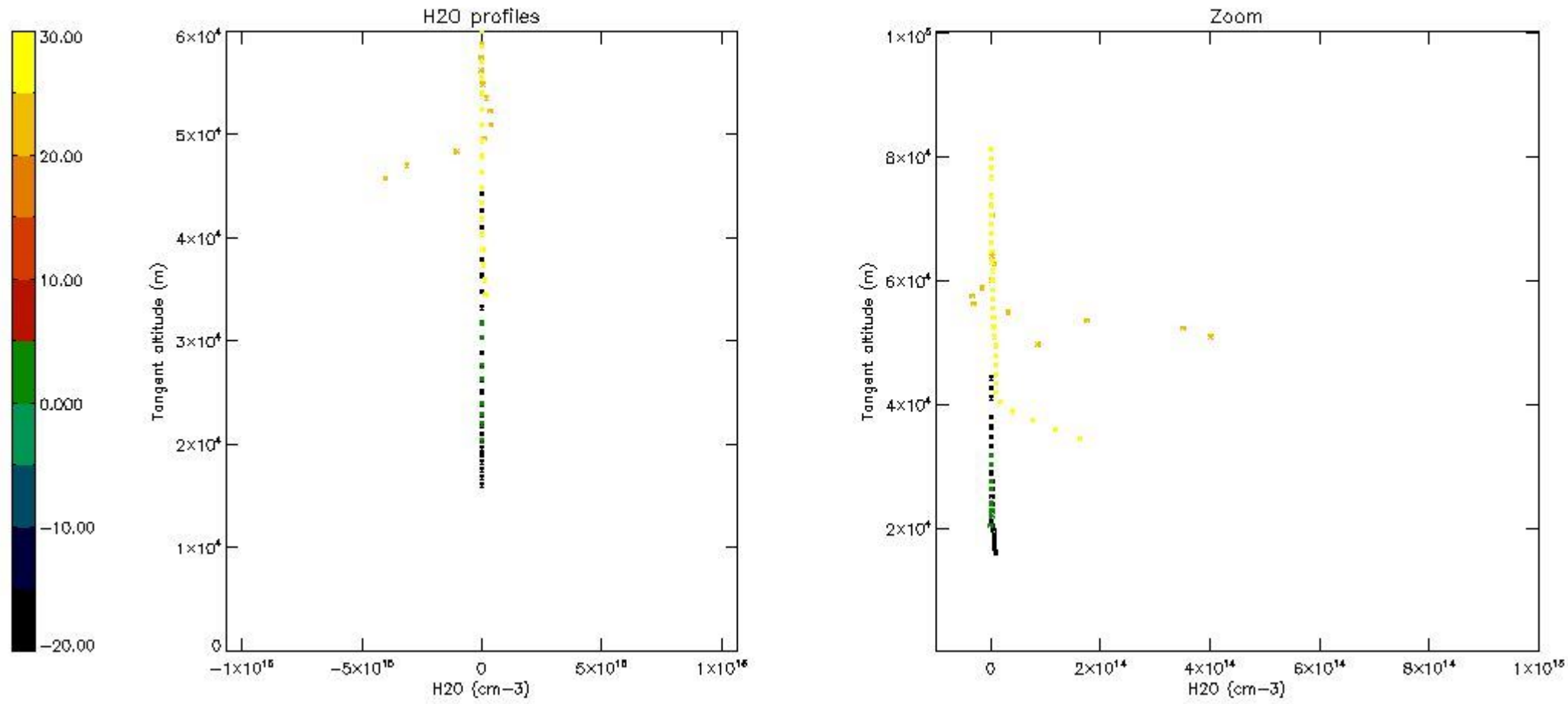
*5.7 Plot NO3 profiles for all STD (dark without errors)*

The colorbar represents the latitude.



*5.8 Plot H<sub>2</sub>O profiles for all STD (only for occultations of stars 1,2,3,4,13,14,16,26,63 dark without errors)*

The colorbar represents the latitude.

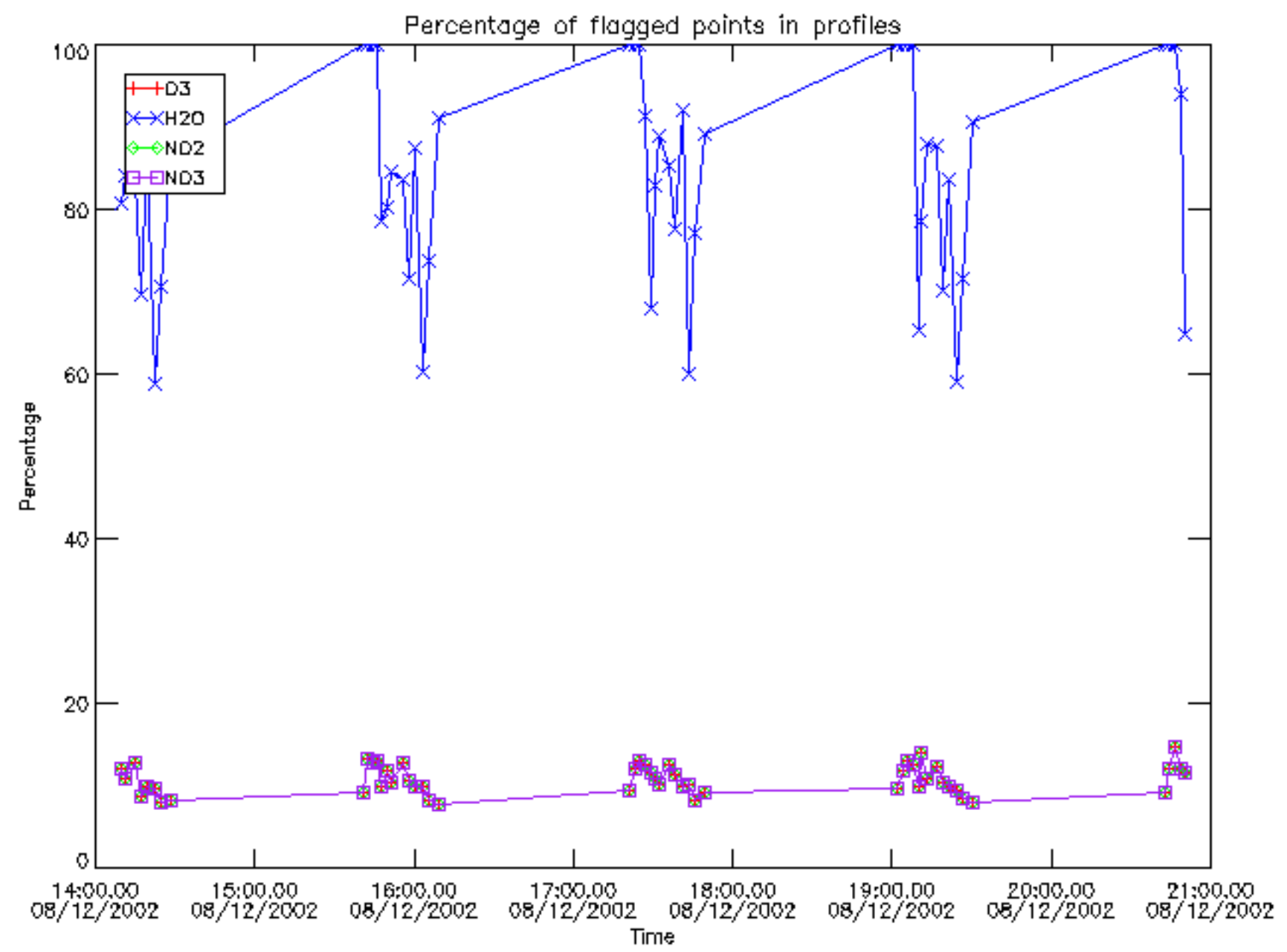


## 6. Auxiliary Data Files used for the production reported in section 2

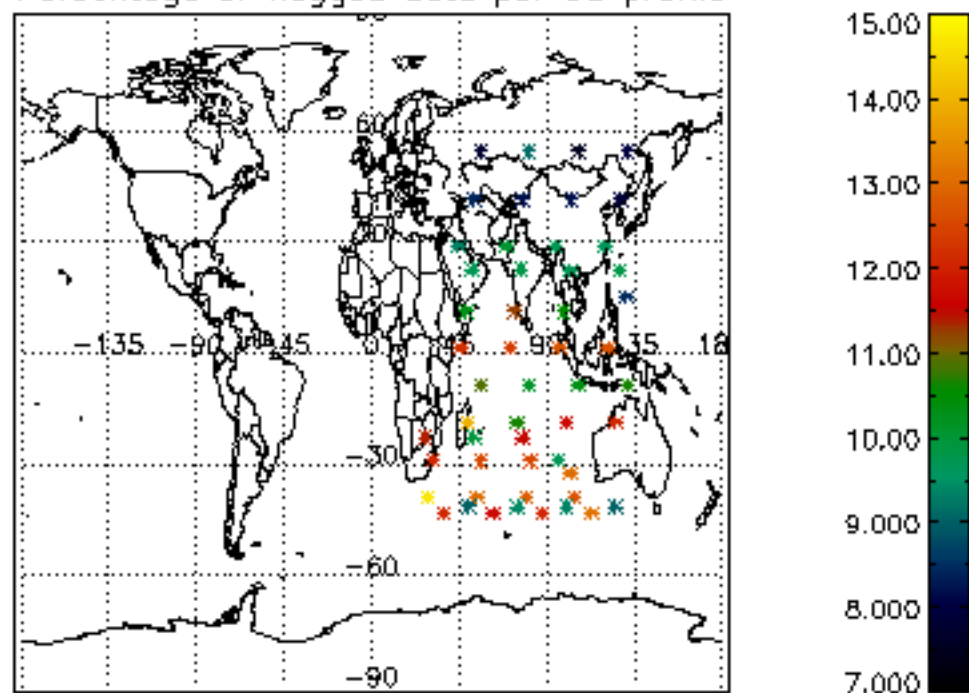
The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150440_20020301_000000_20100101_000000	1	08-DEC-2002 14:09:26
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	08-DEC-2002 14:09:26
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	08-DEC-2002 14:09:26

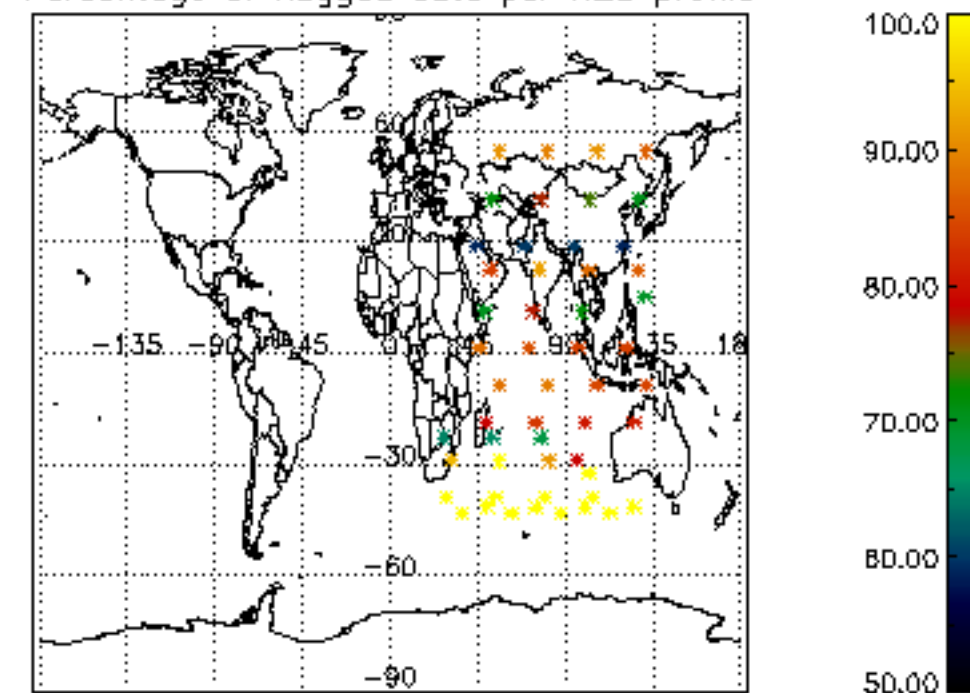




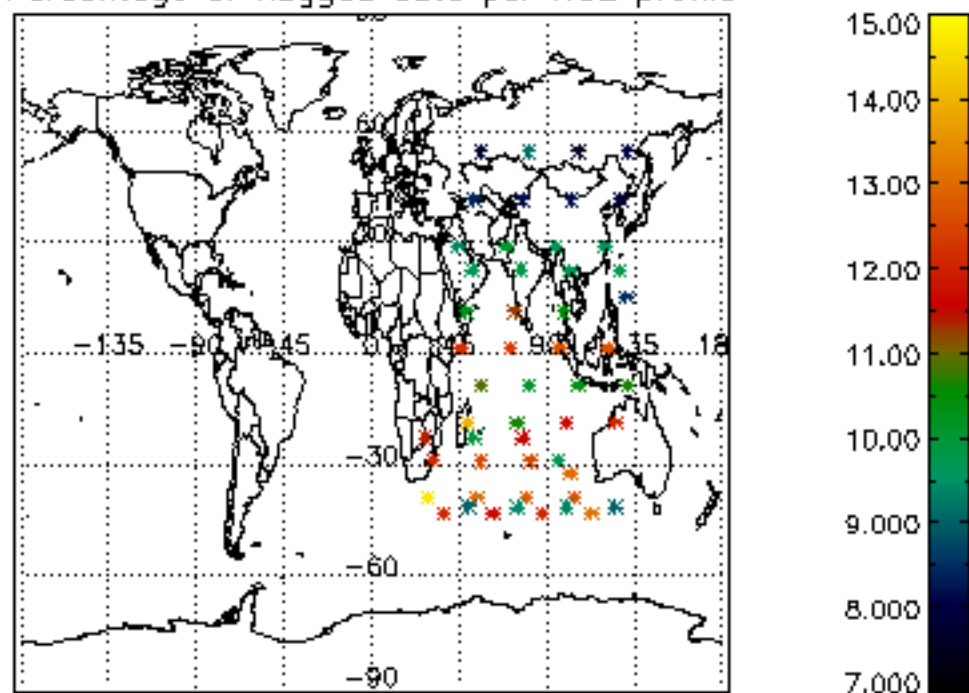
Percentage of flagged data per D3 profile



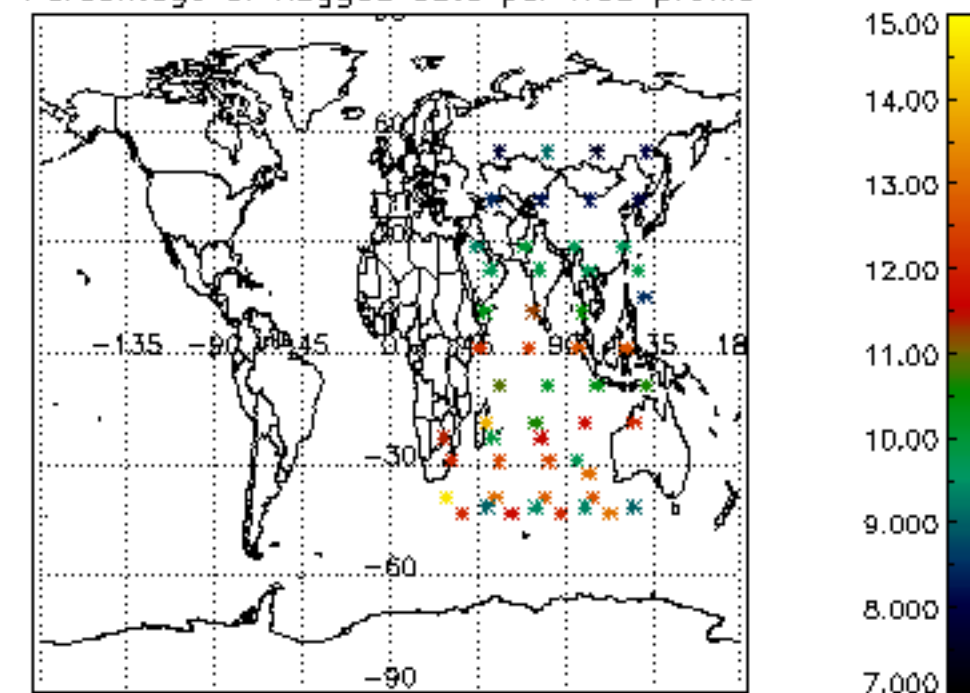
Percentage of flagged data per H2O profile

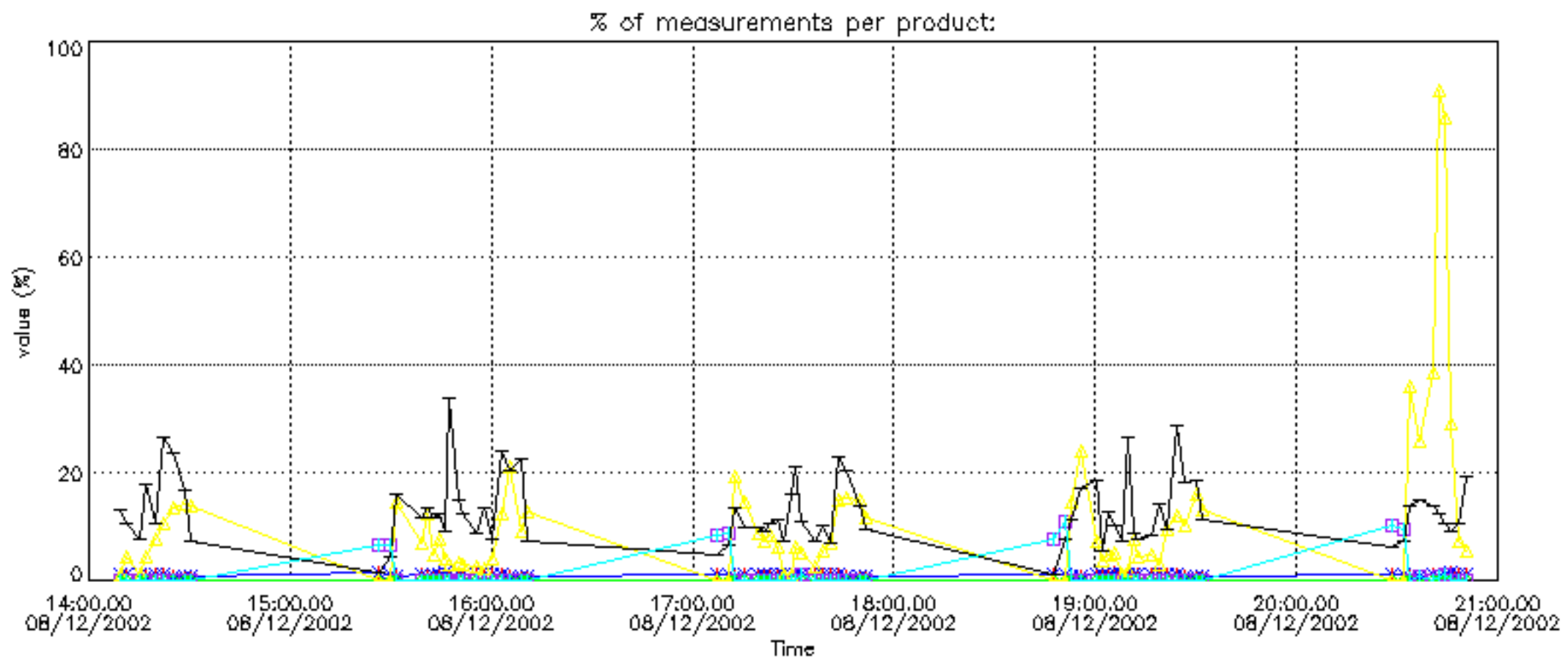


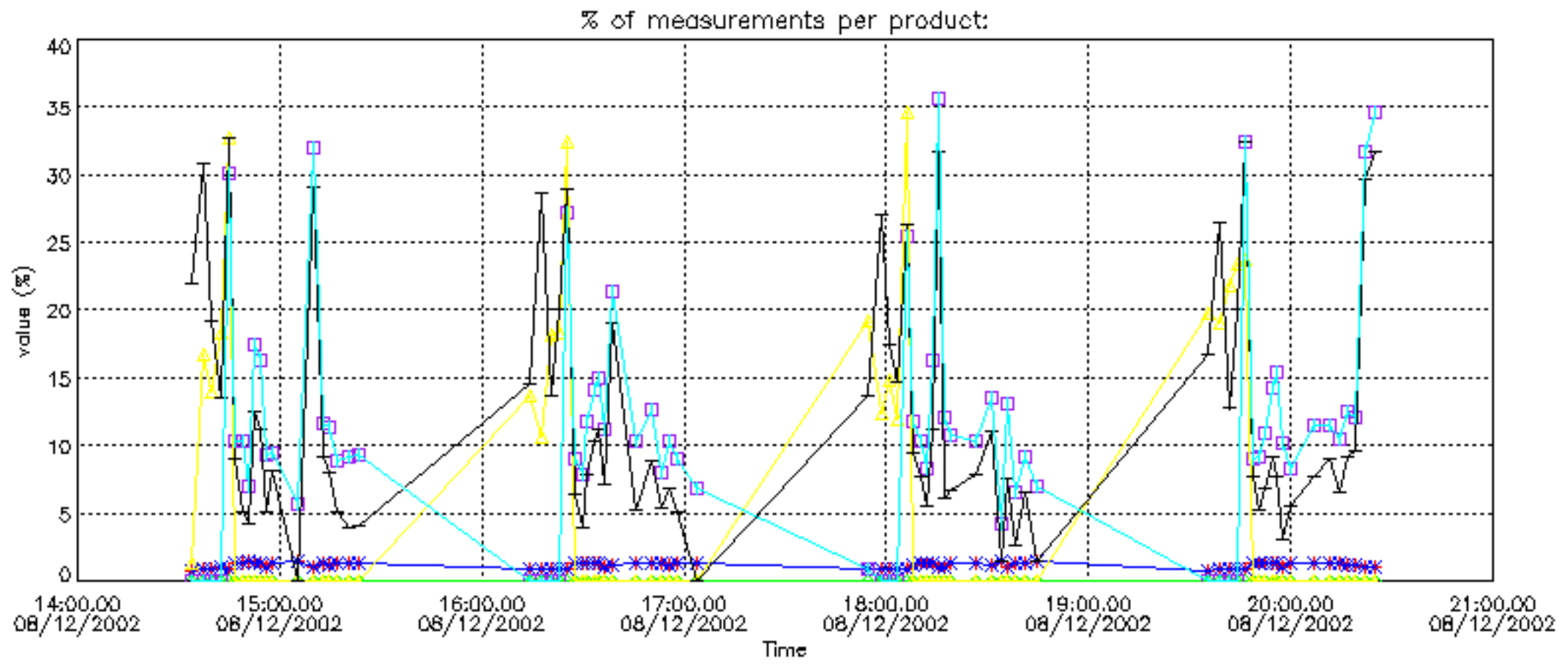
Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

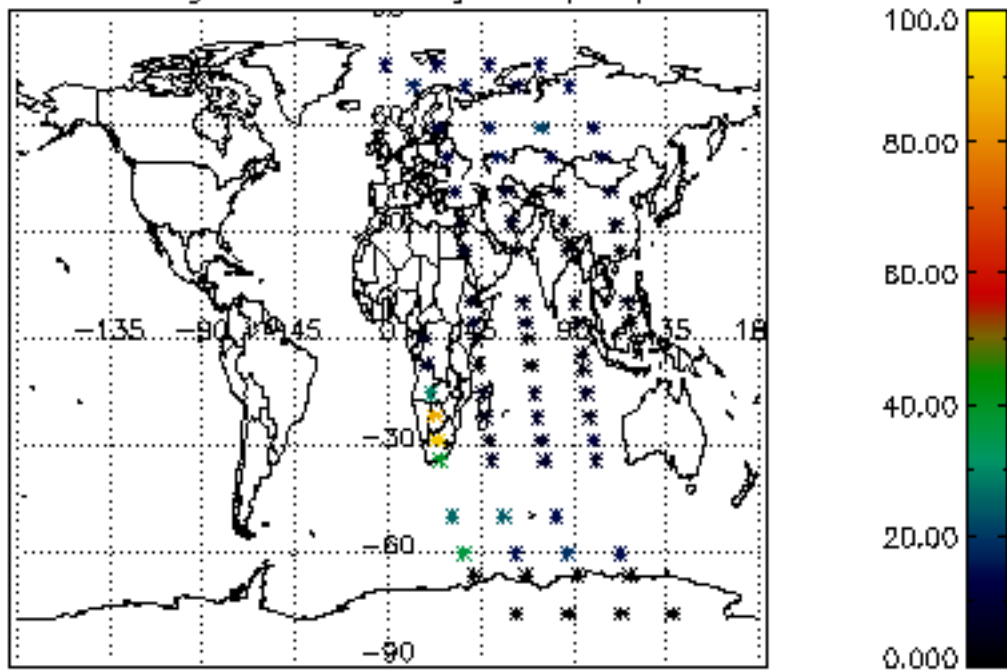




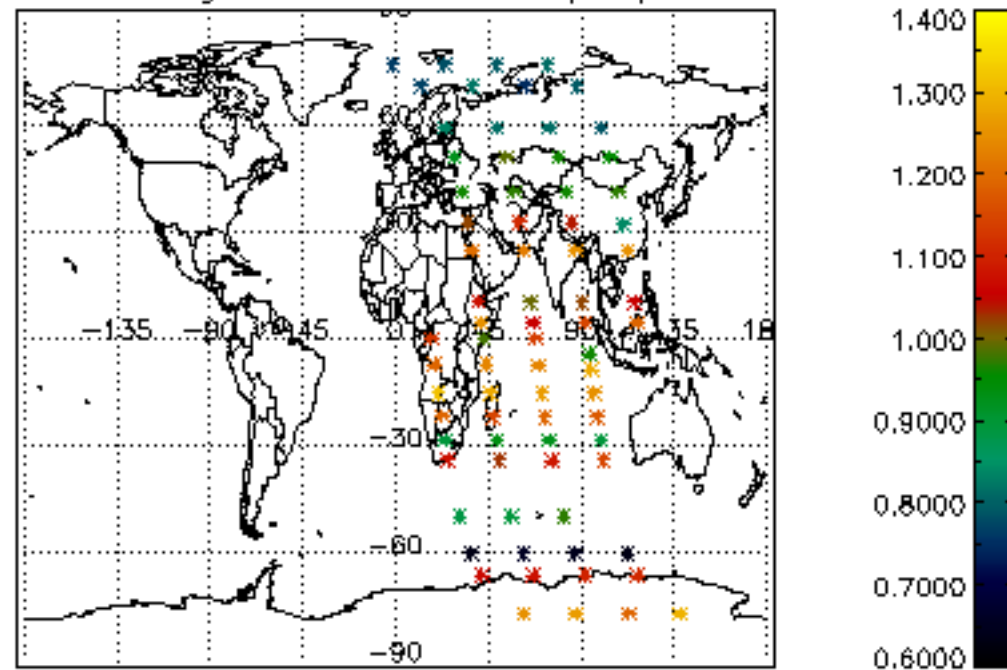




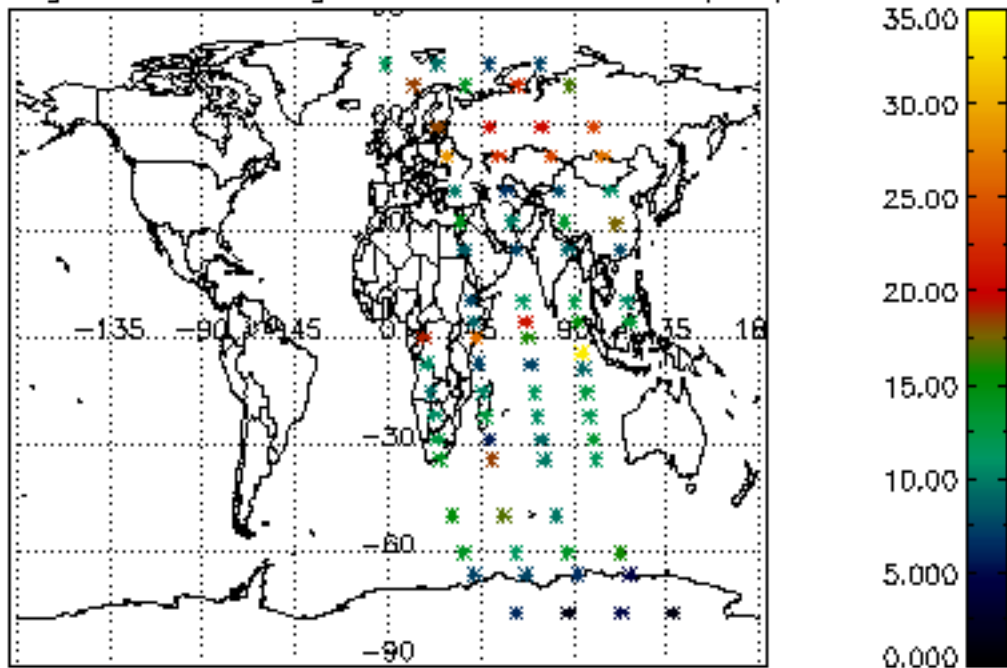
Percentage of cosmic ray hits per profile



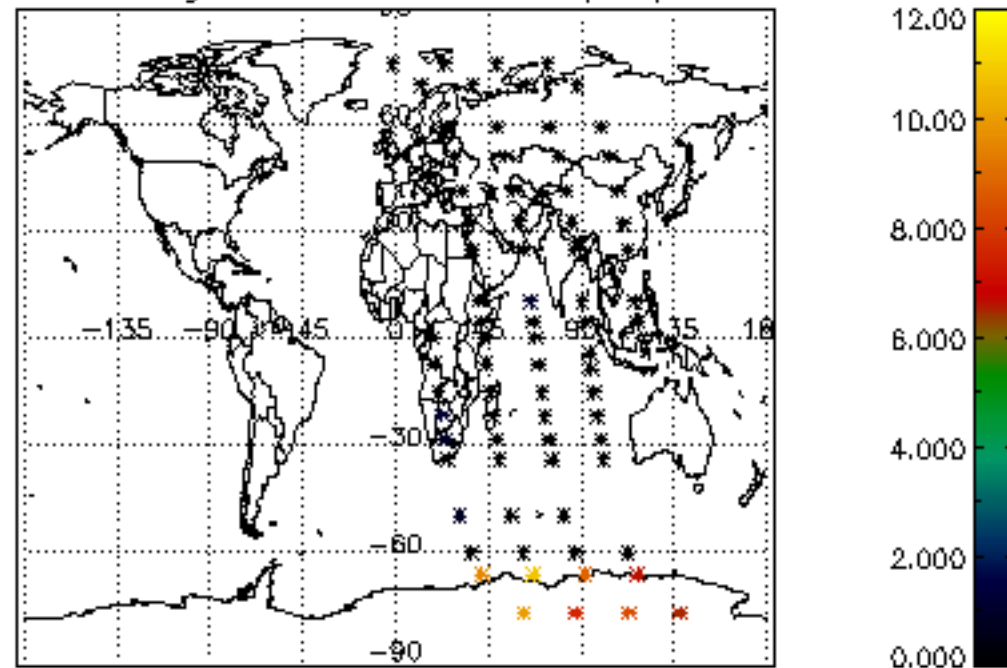
Percentage of datation errors per profile



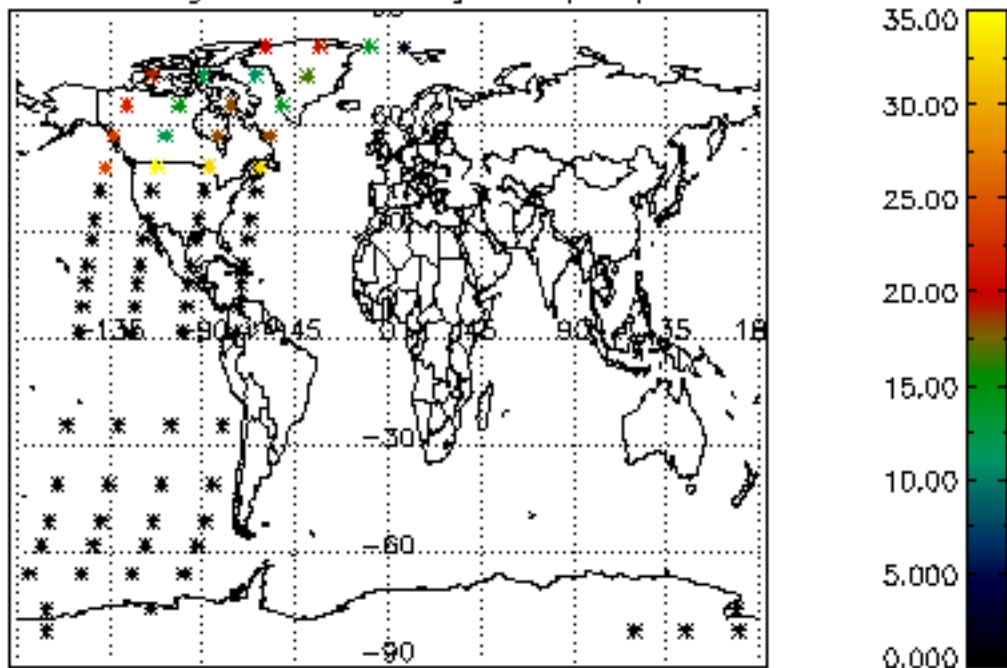
Percentage of star falling outside central band per profile



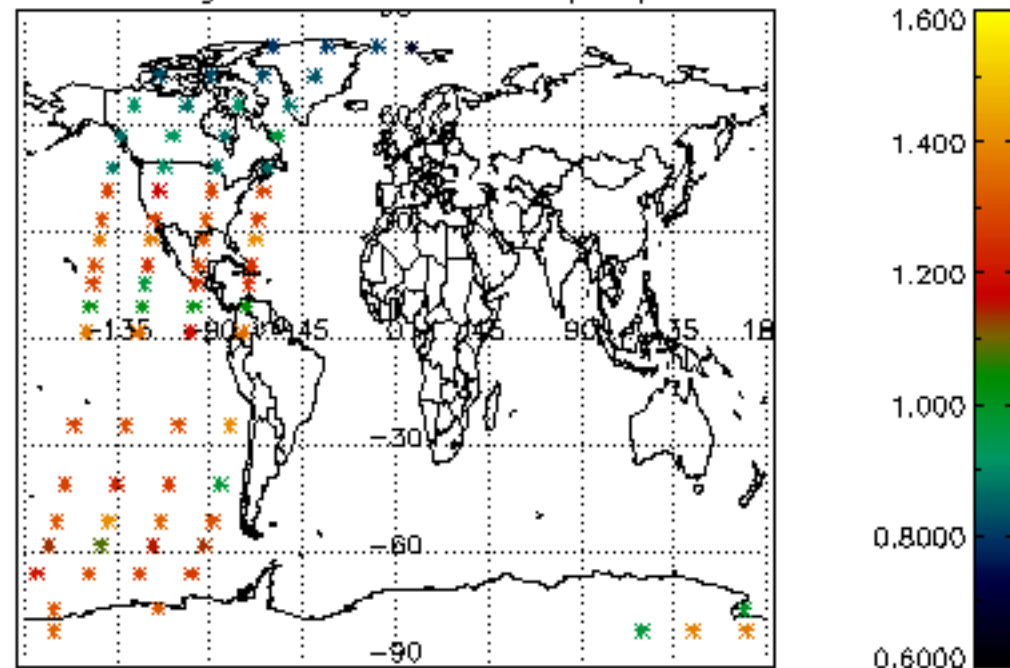
Percentage of saturation errors per profile



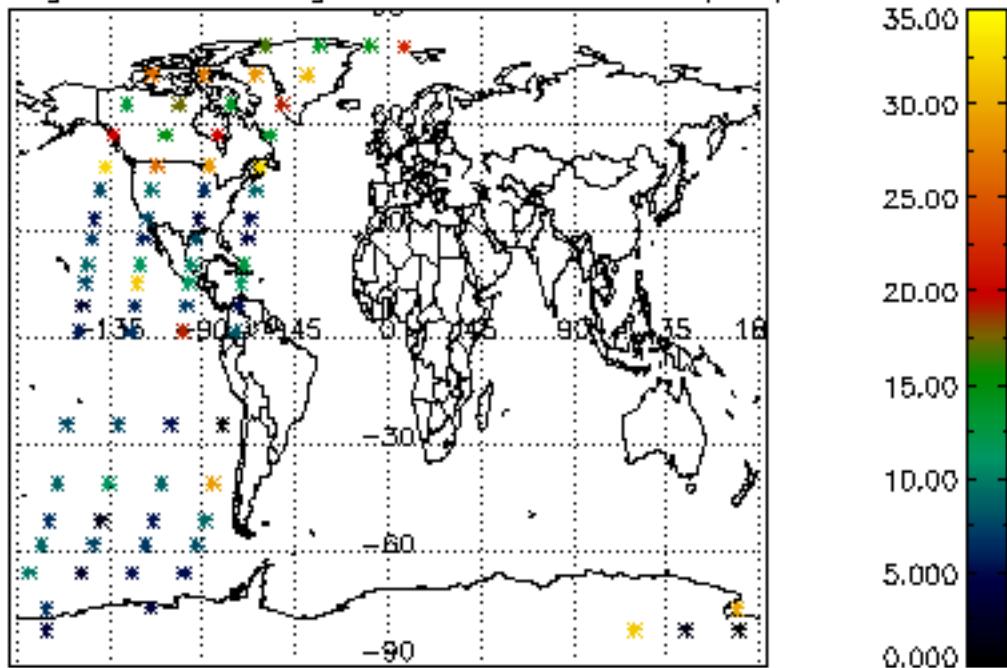
Percentage of cosmic ray hits per profile



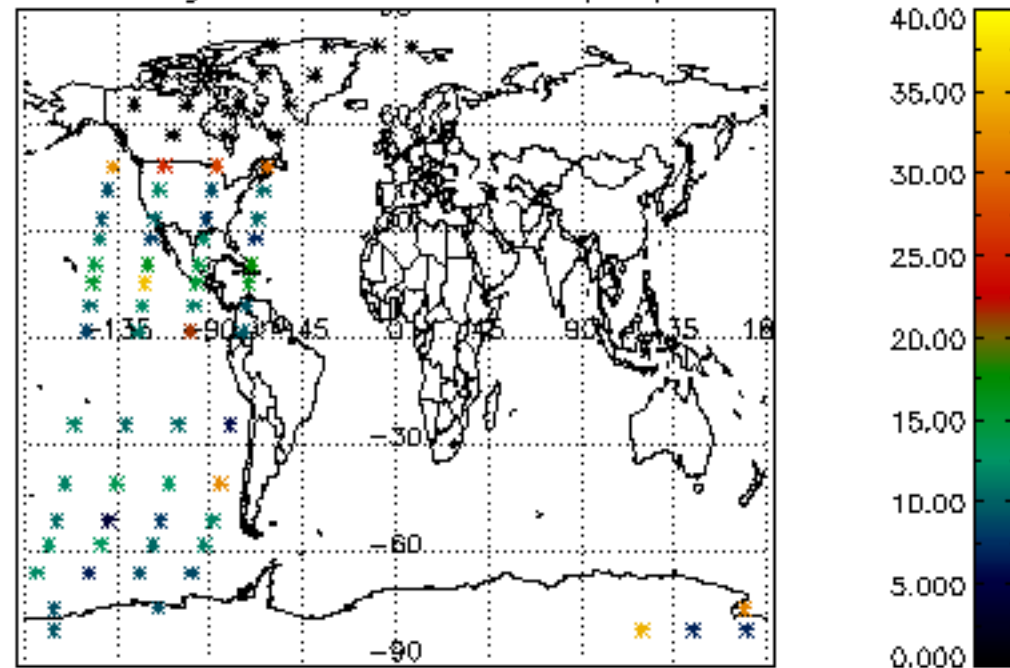
Percentage of datation errors per profile

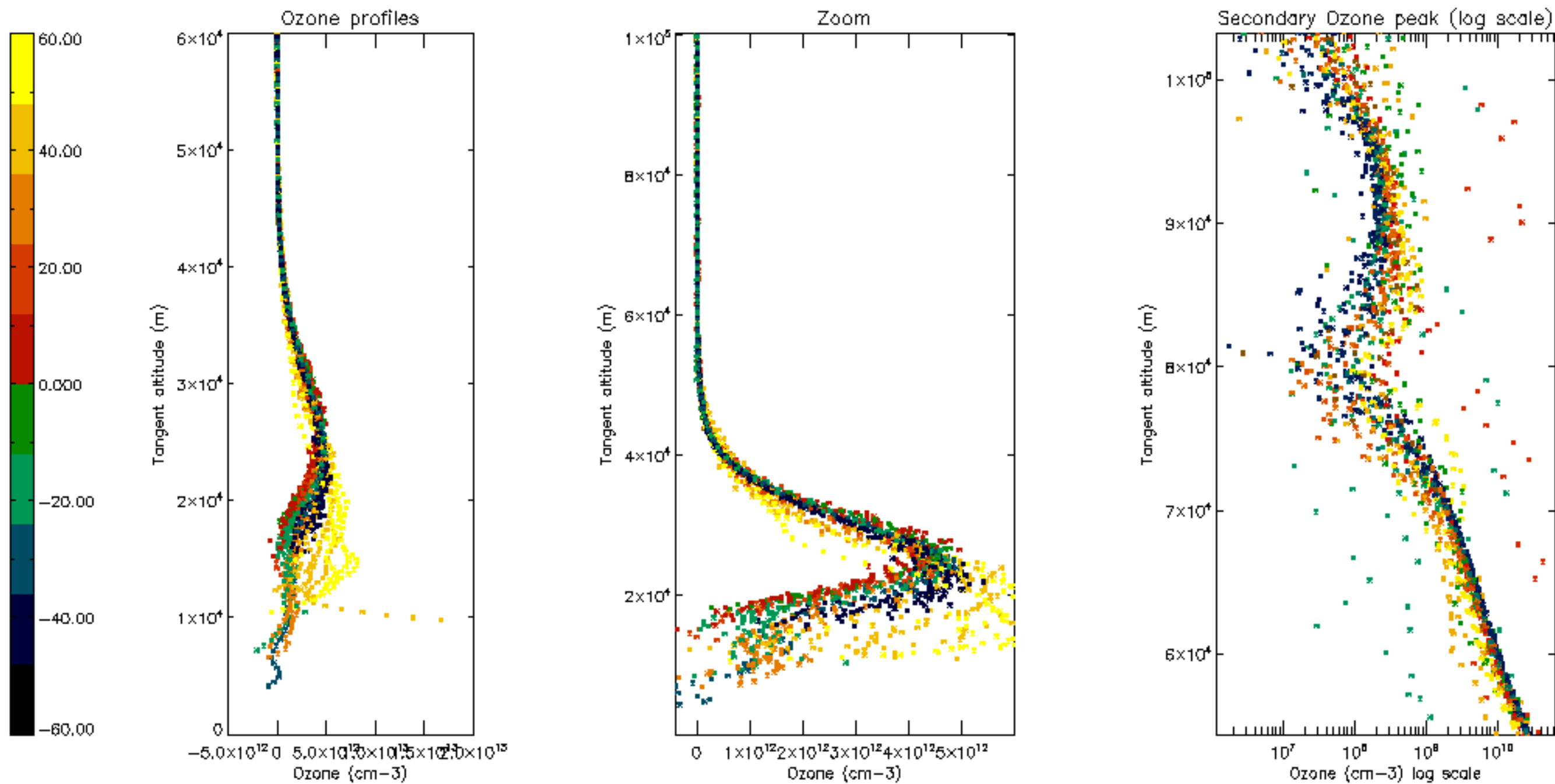


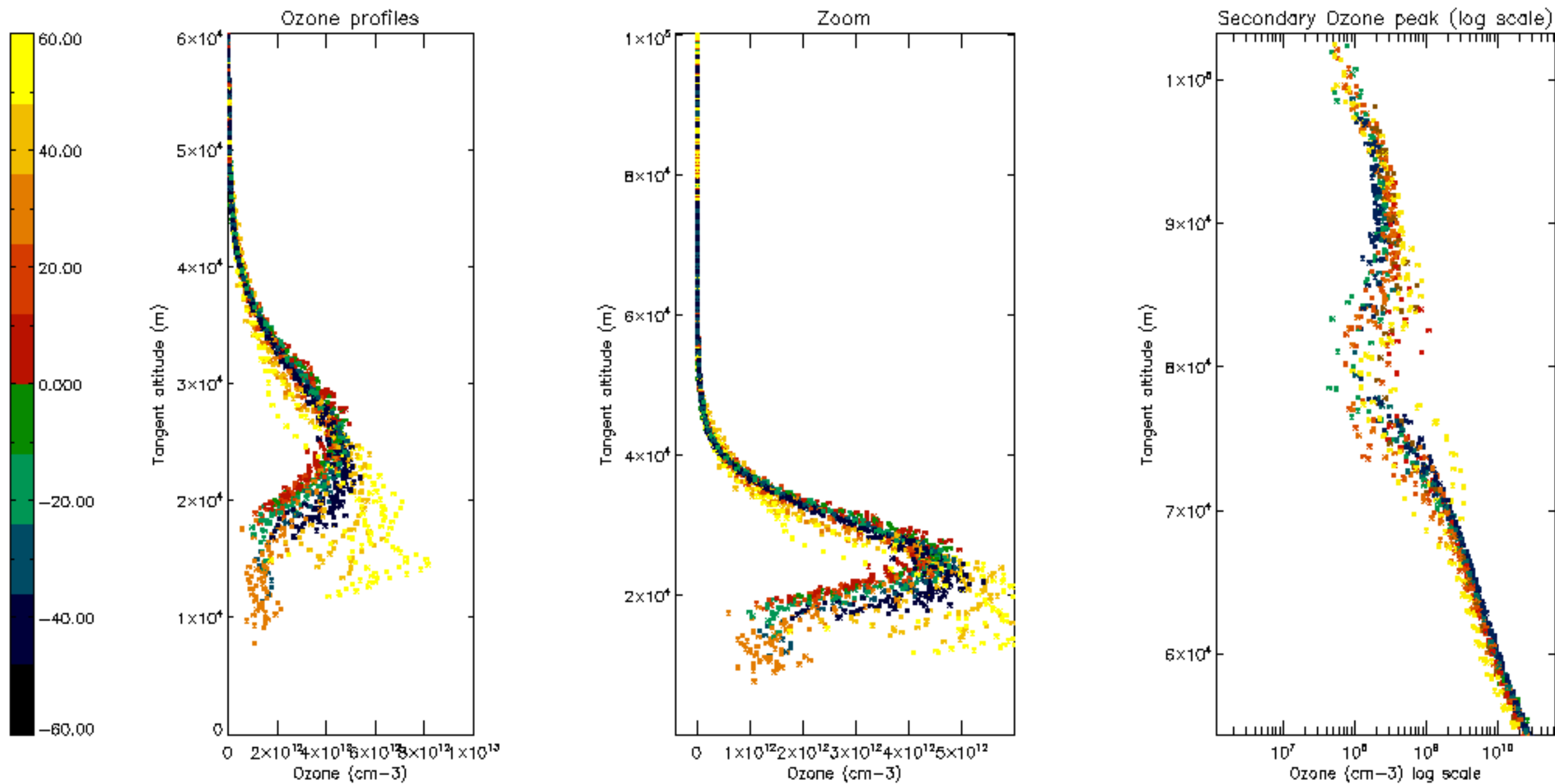
Percentage of star falling outside central band per profile



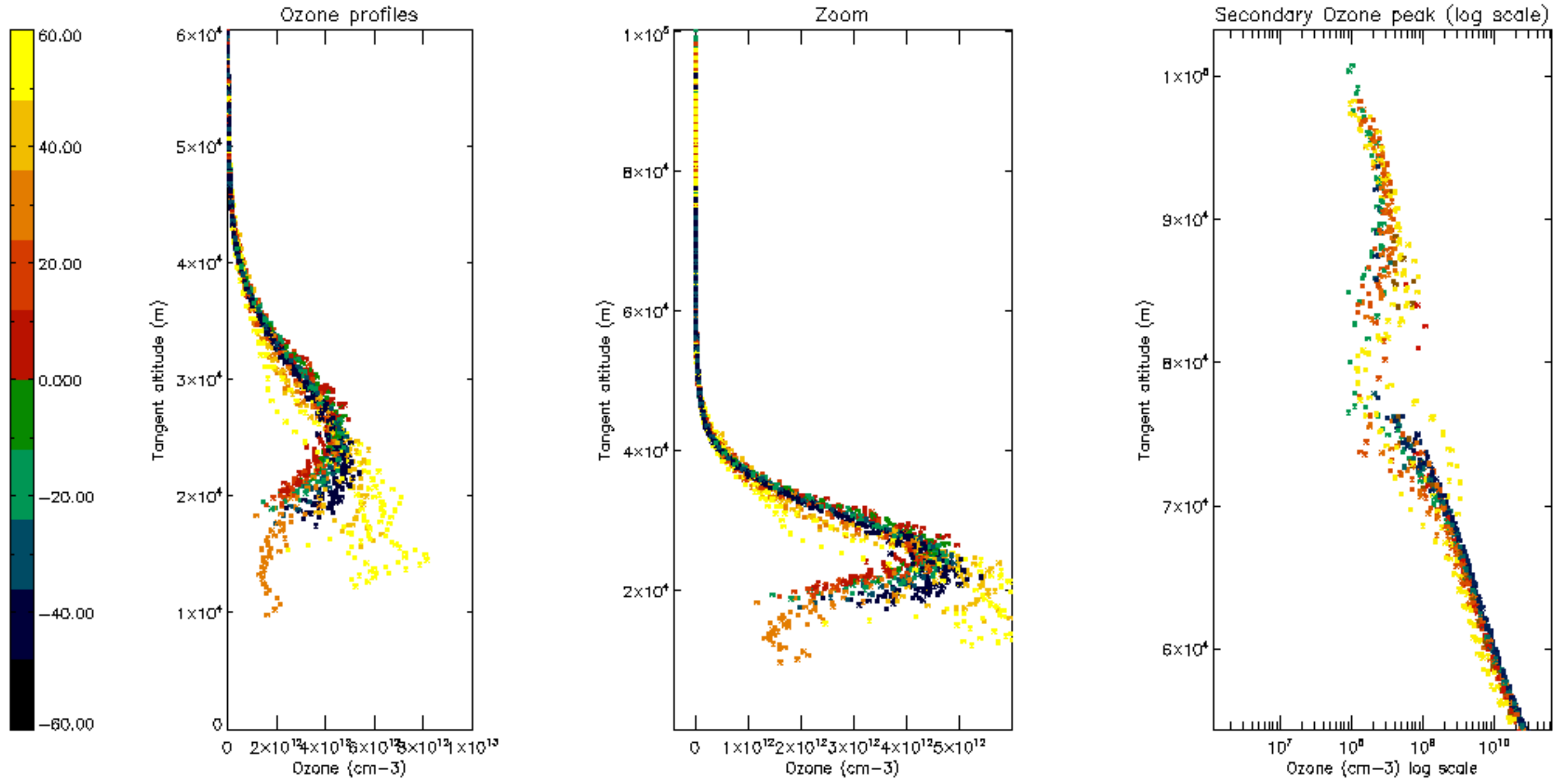
Percentage of saturation errors per profile

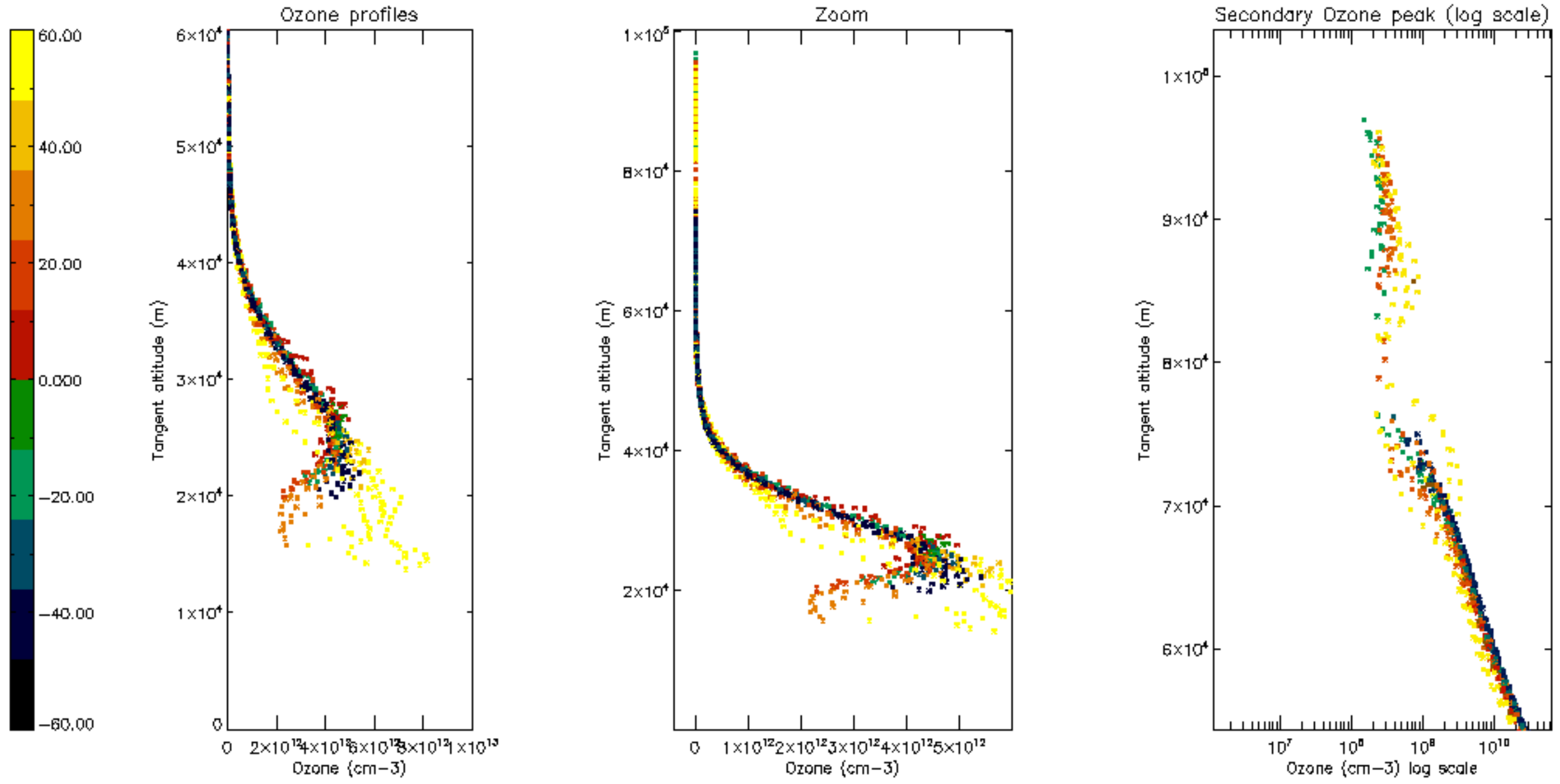


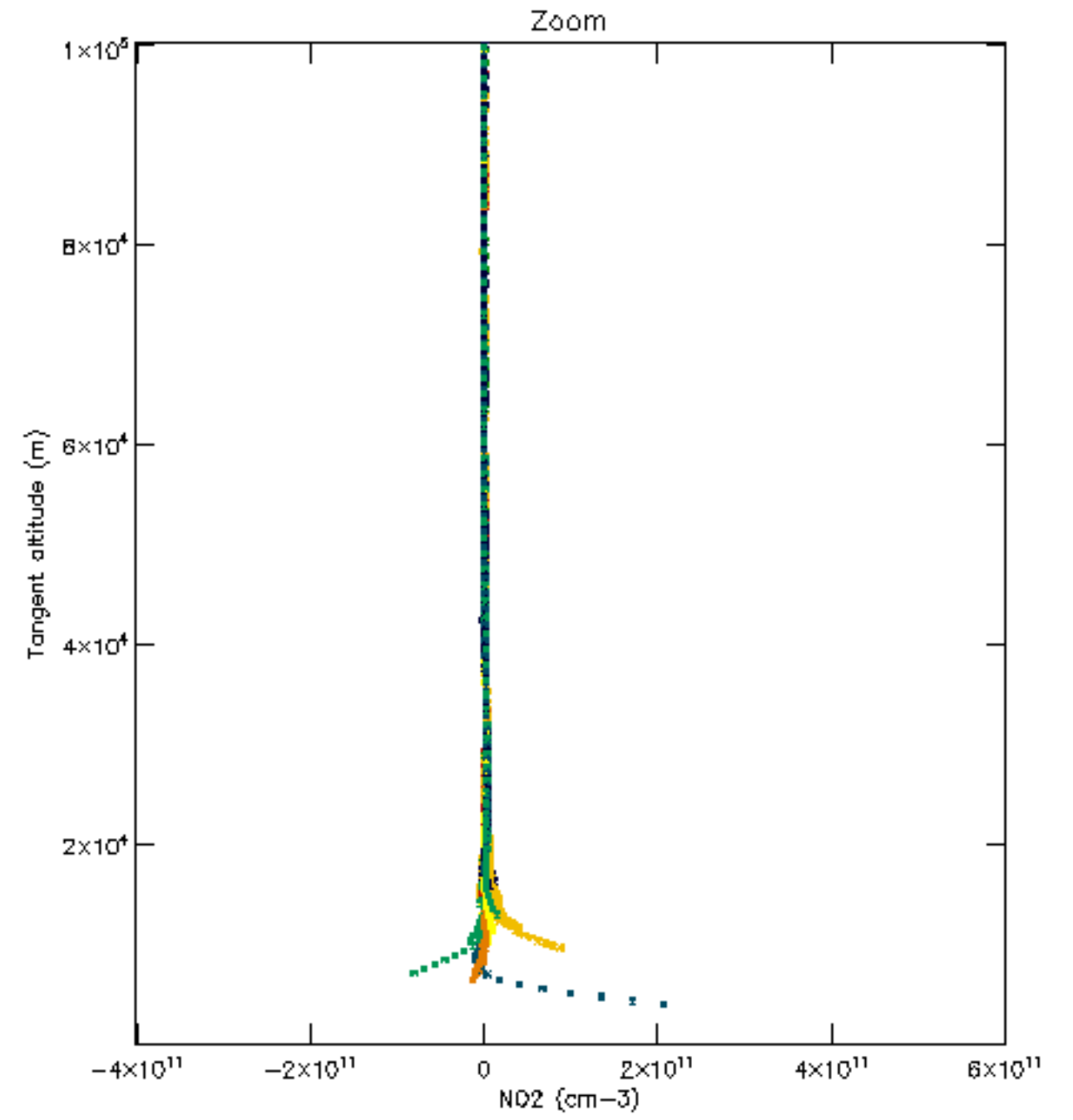
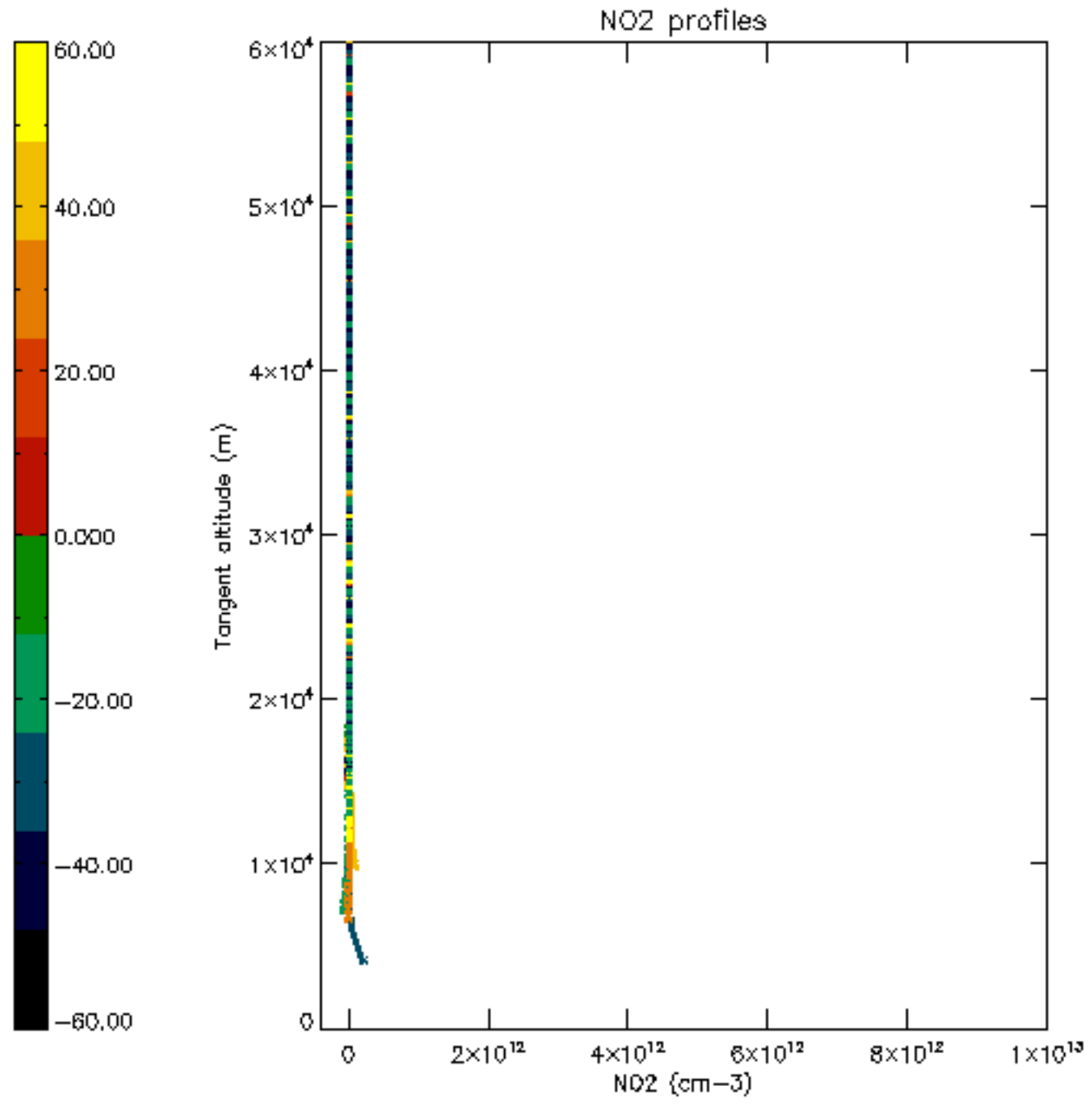


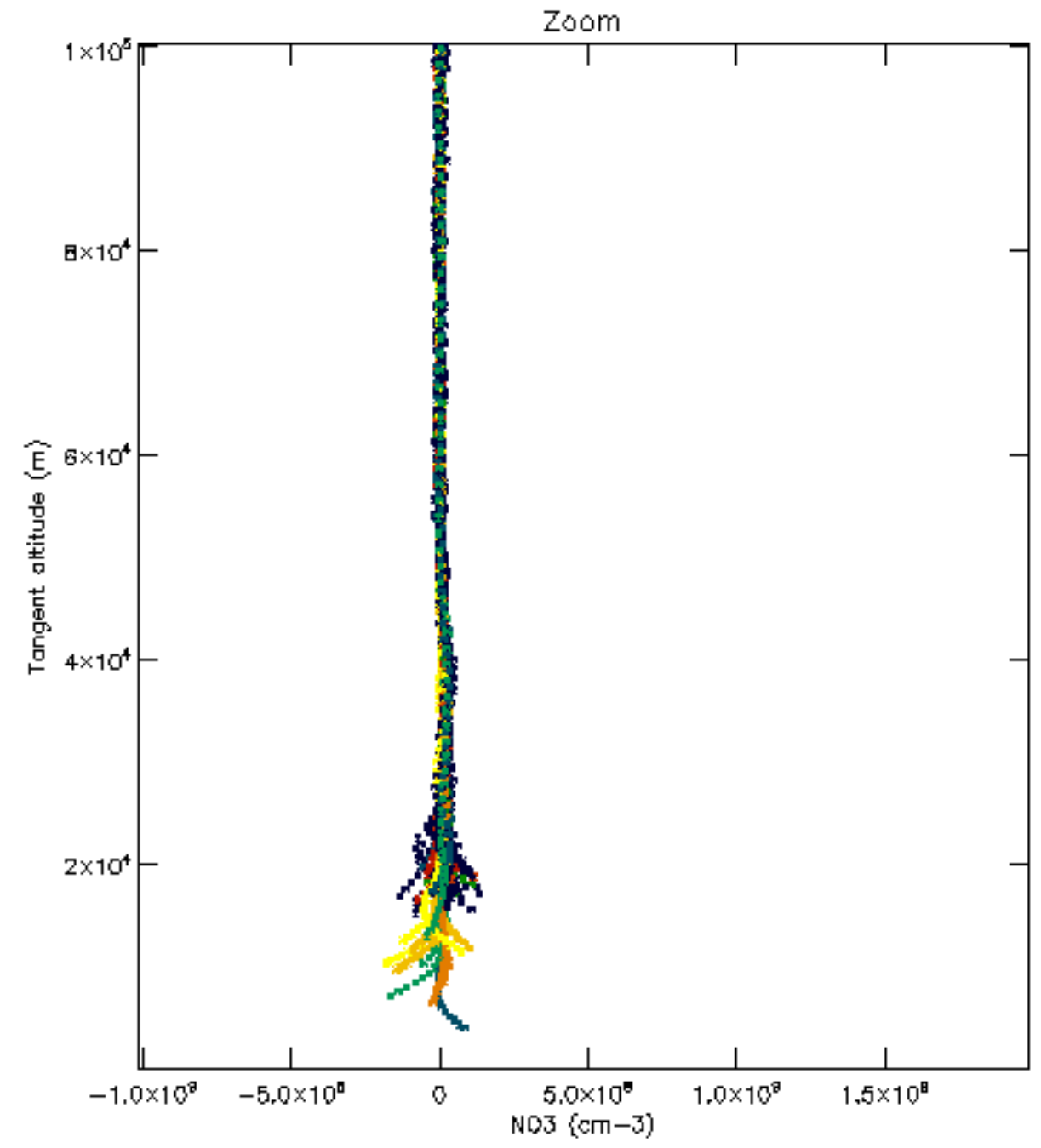
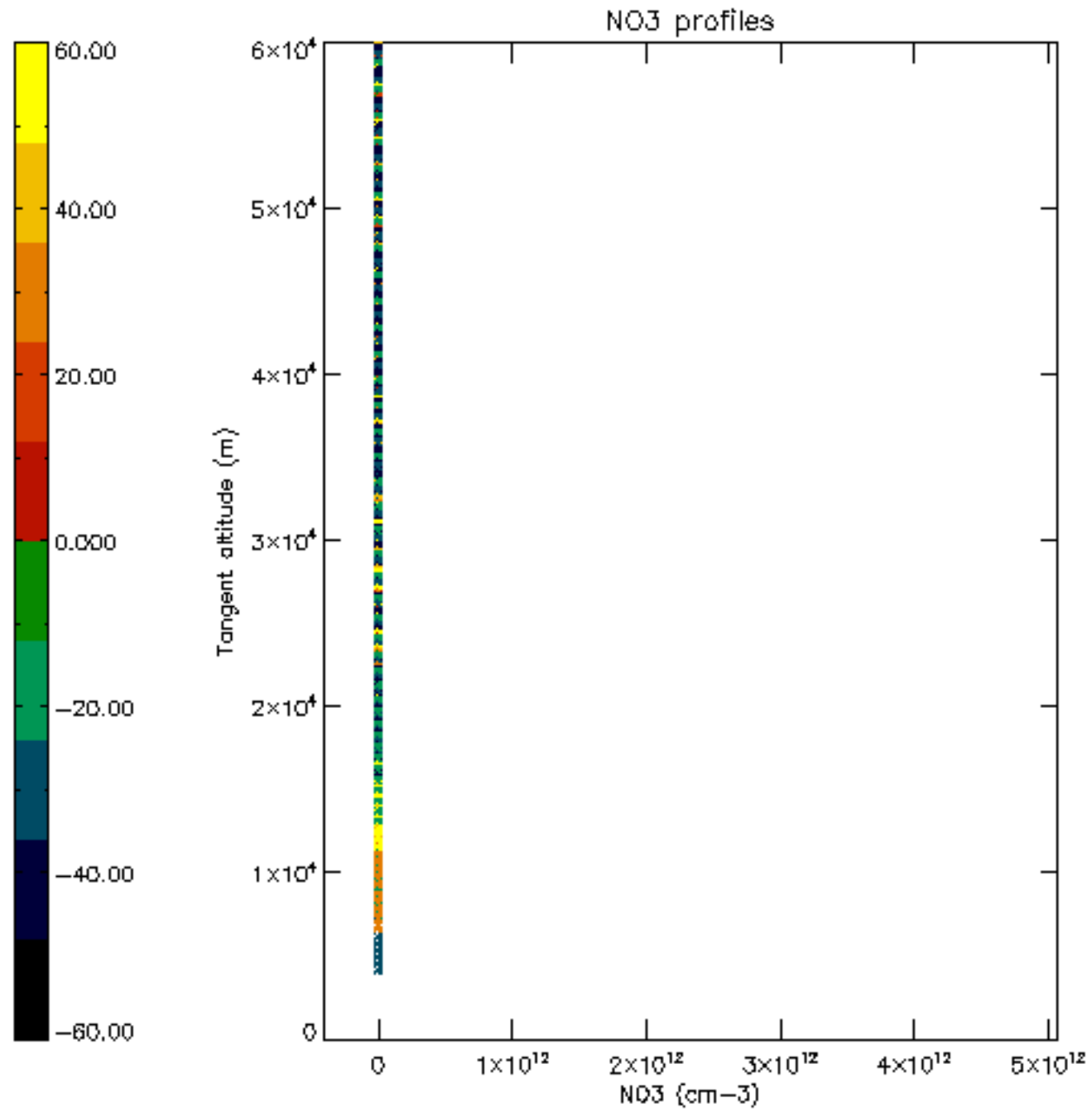




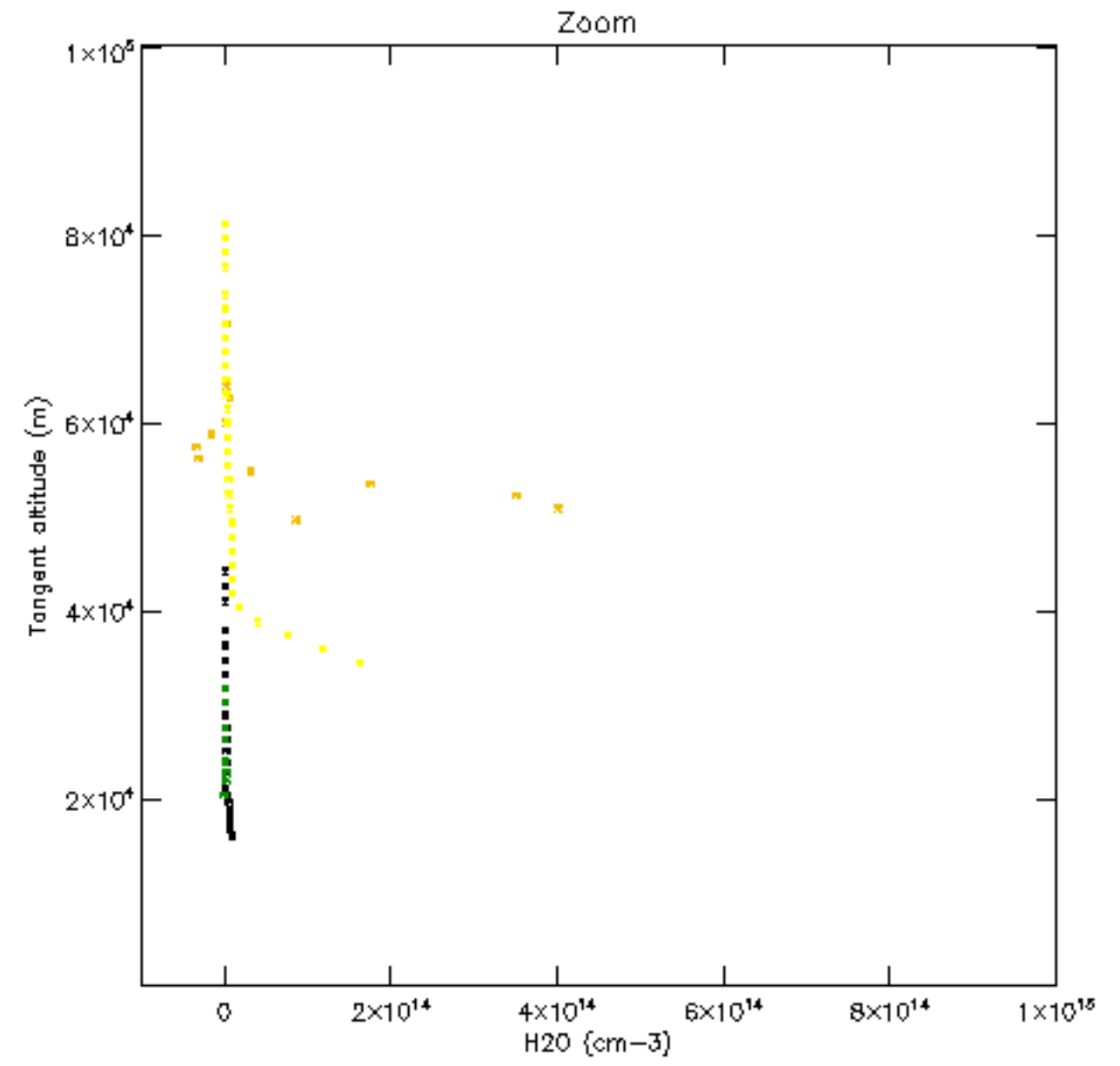
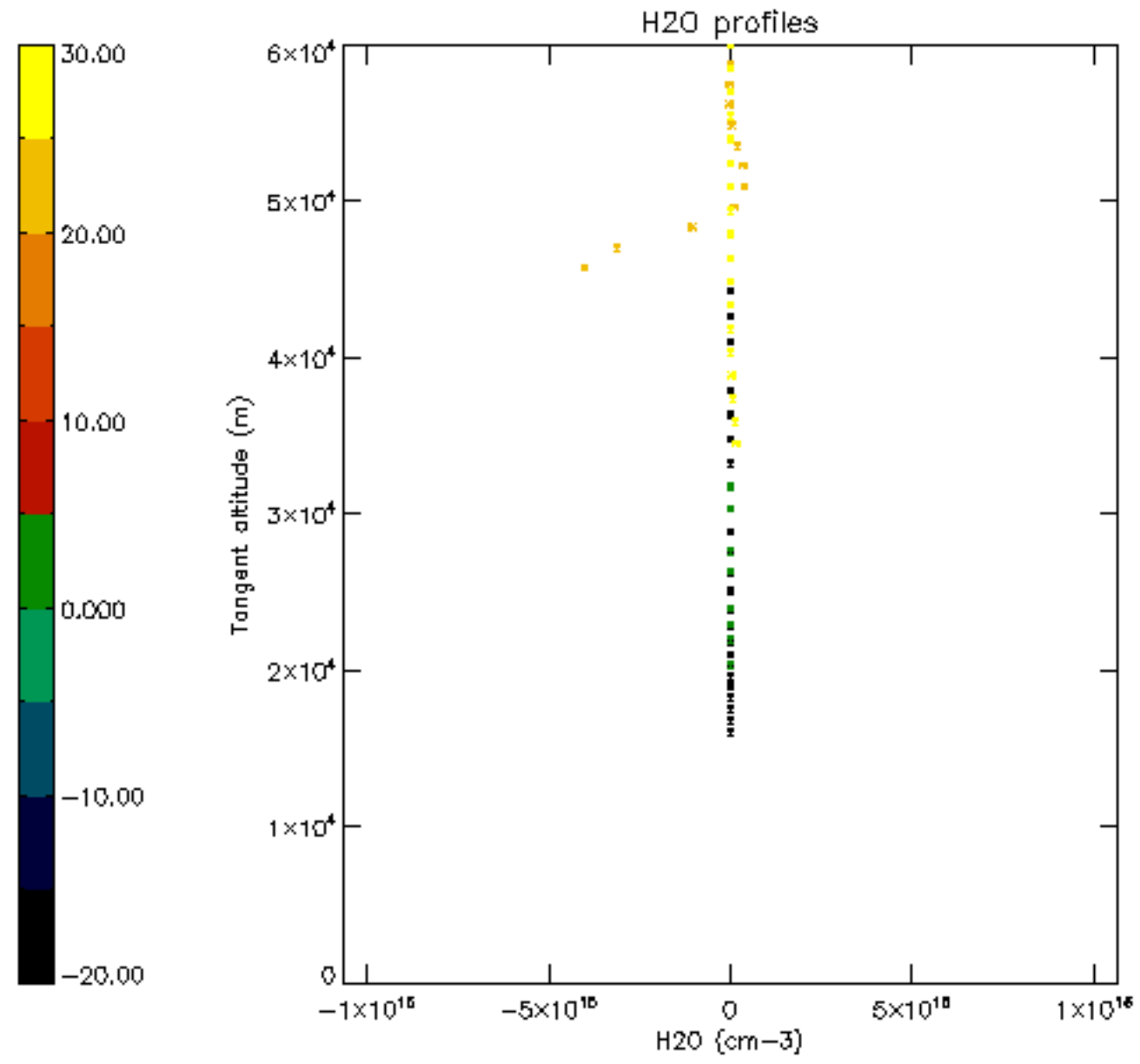


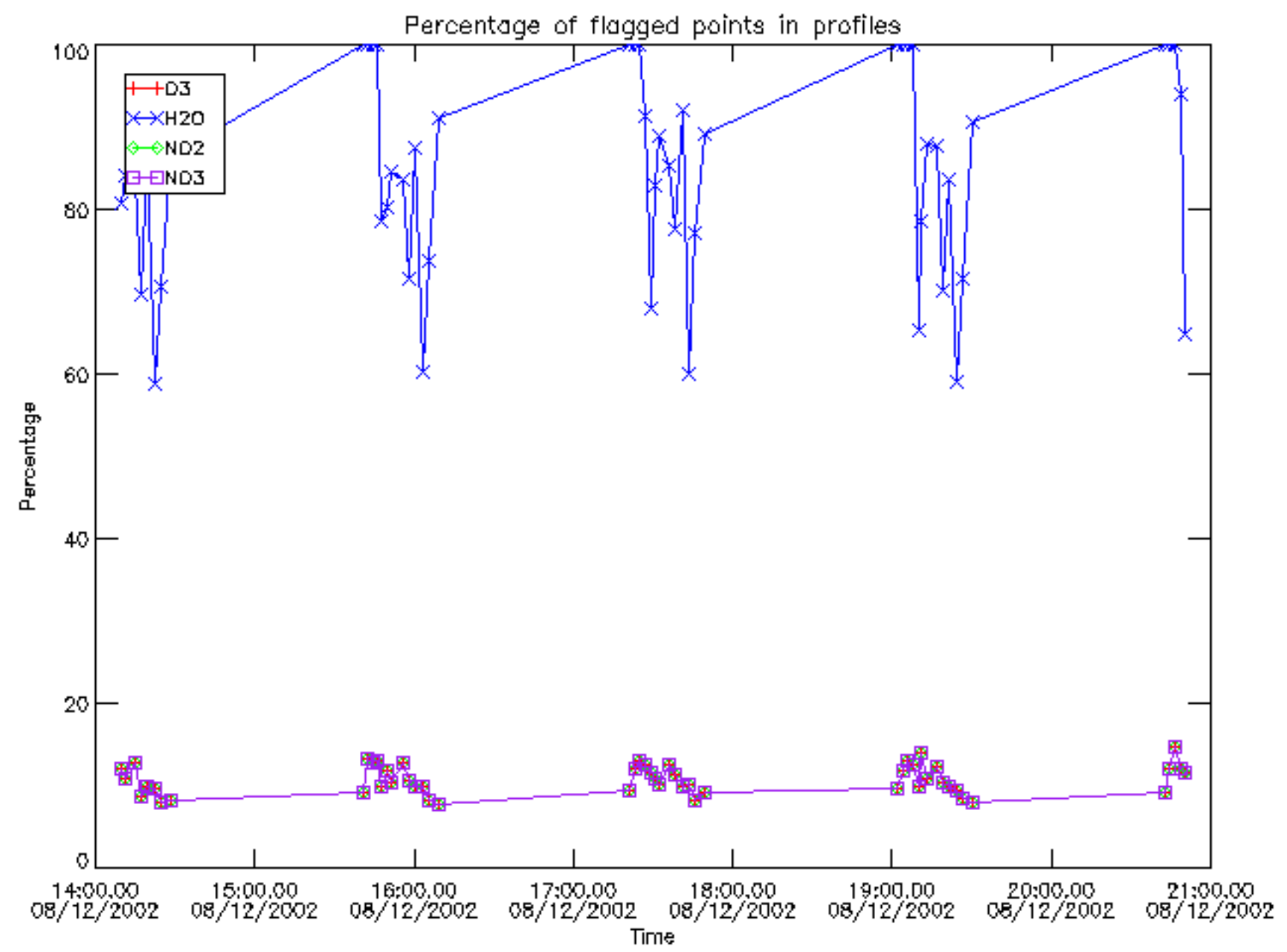




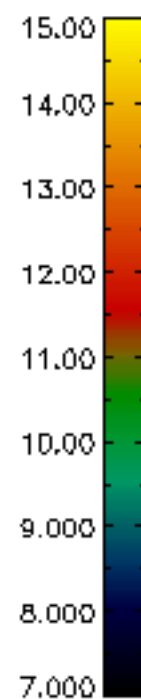
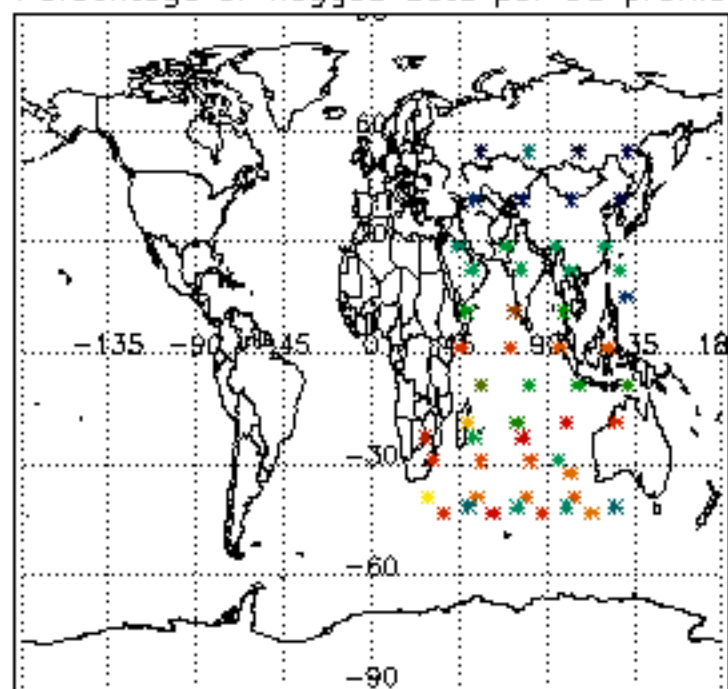




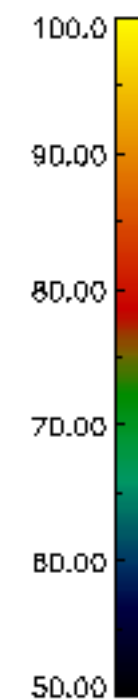
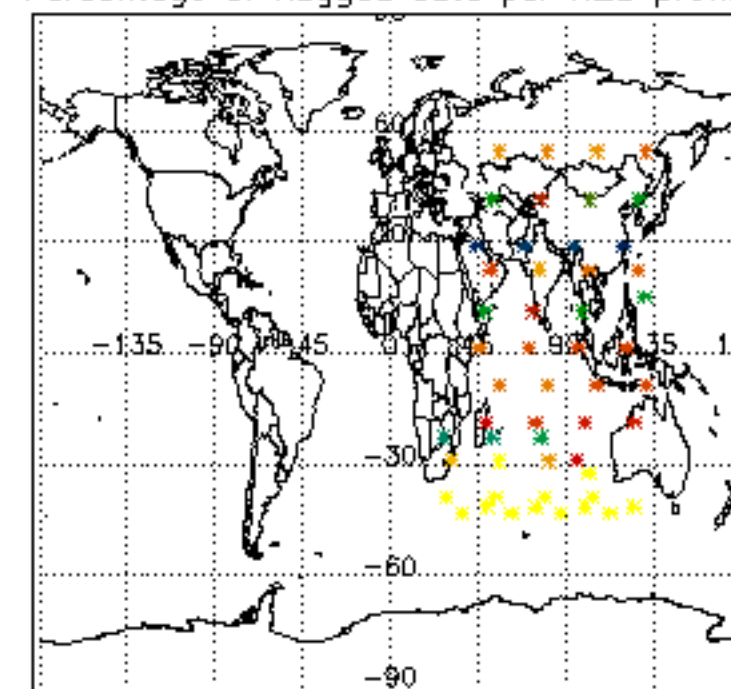




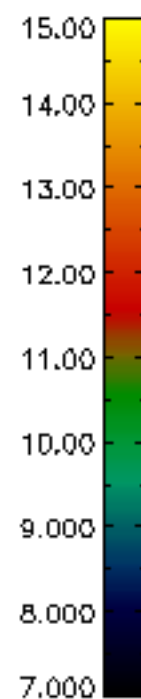
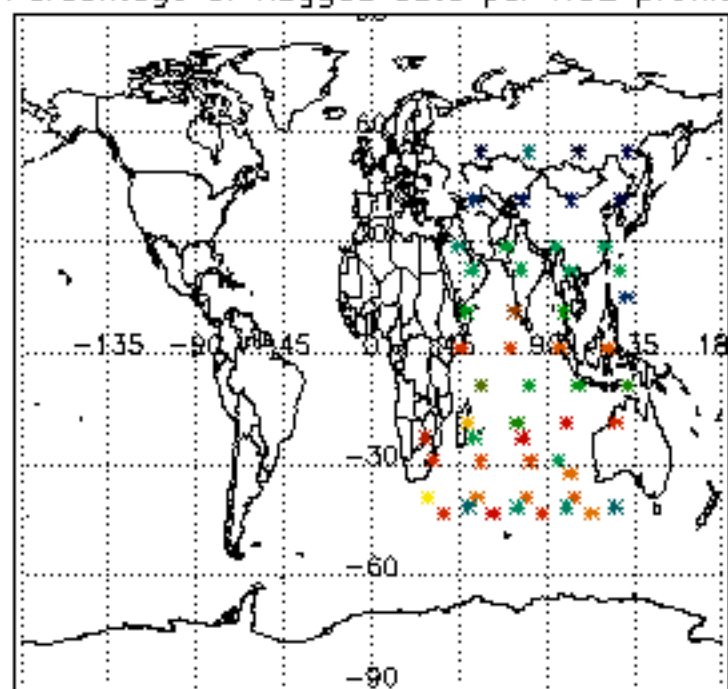
Percentage of flagged data per D3 profile



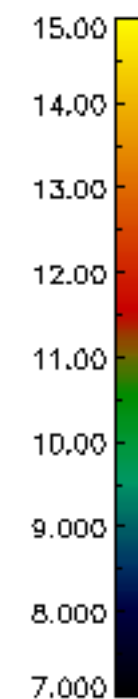
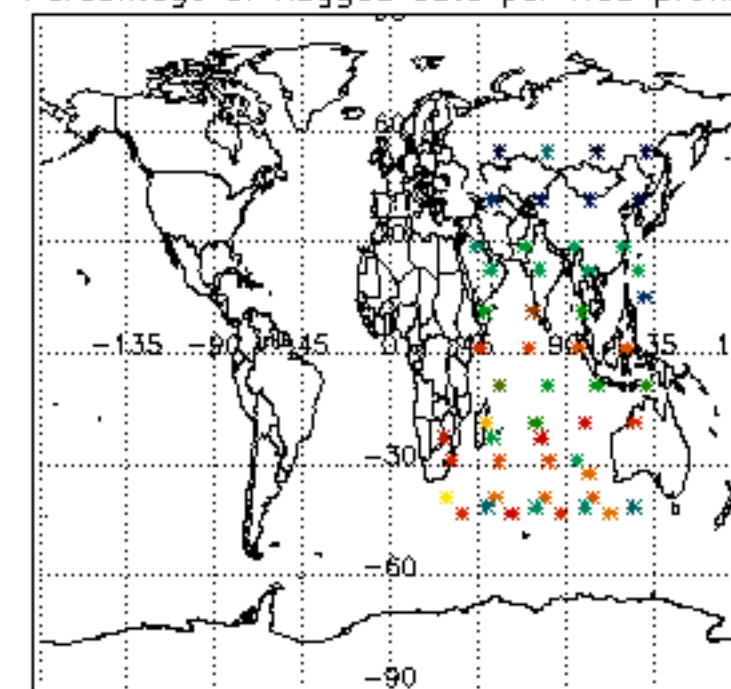
Percentage of flagged data per H2O profile

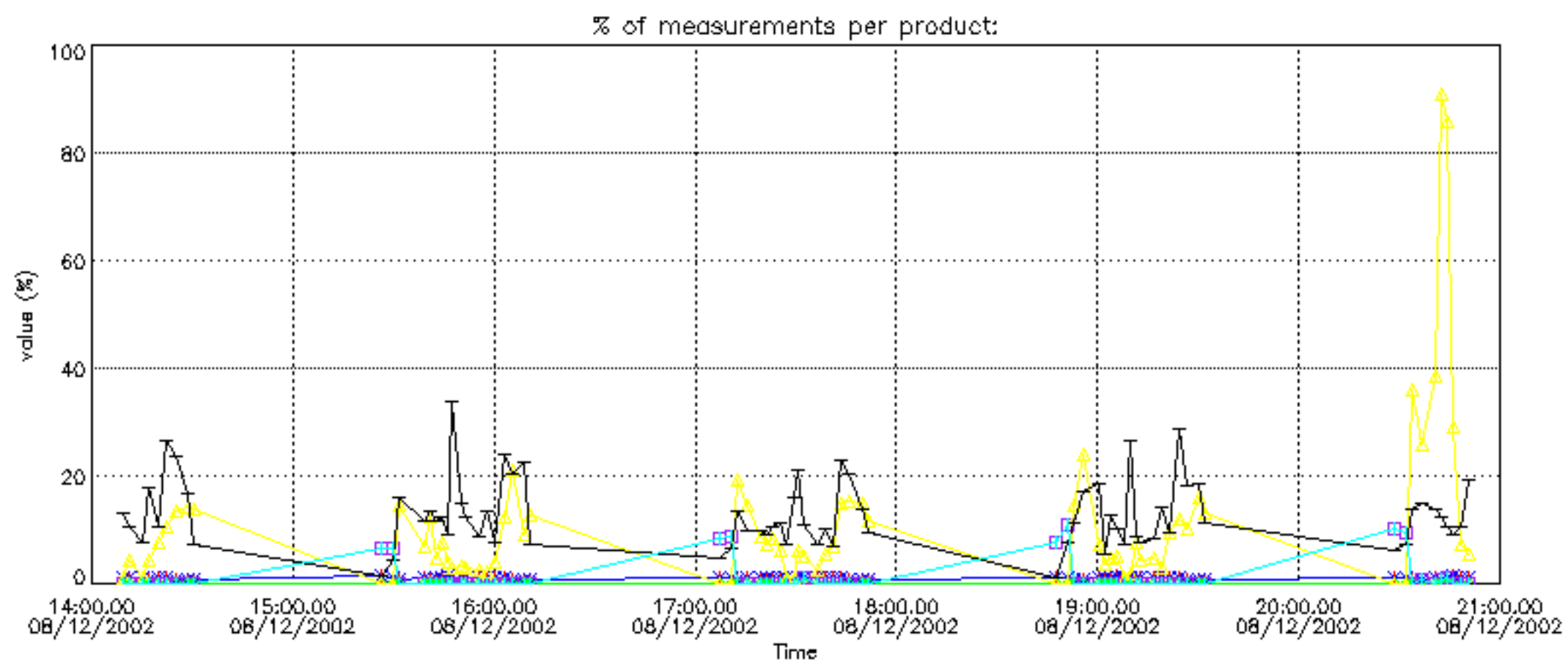
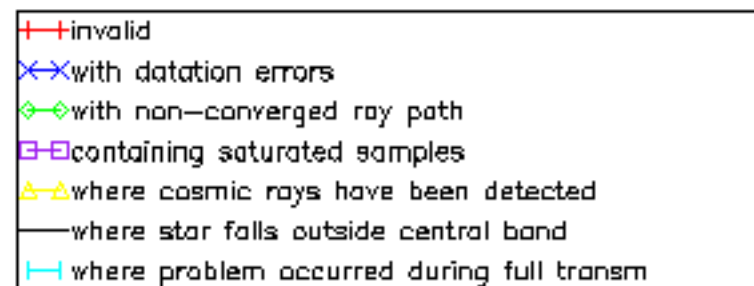


Percentage of flagged data per NO2 profile

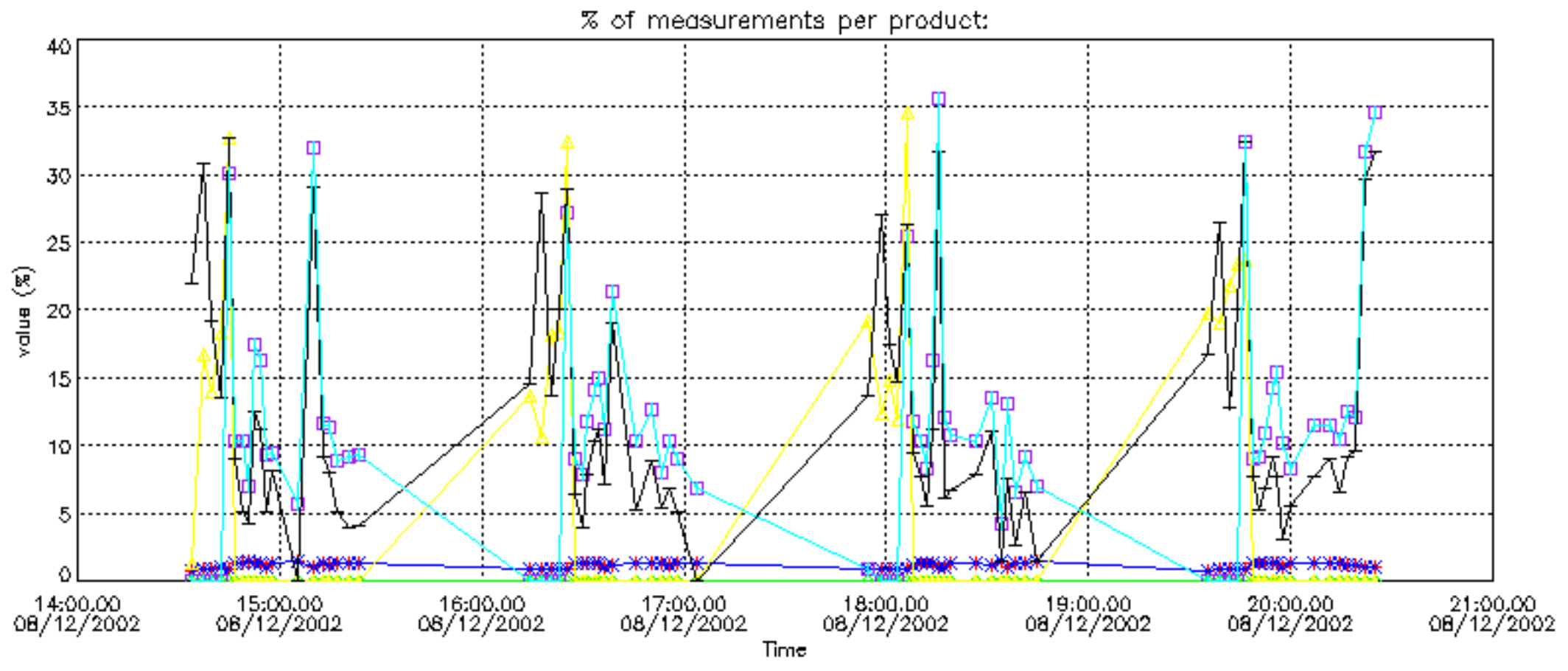


Percentage of flagged data per NO3 profile

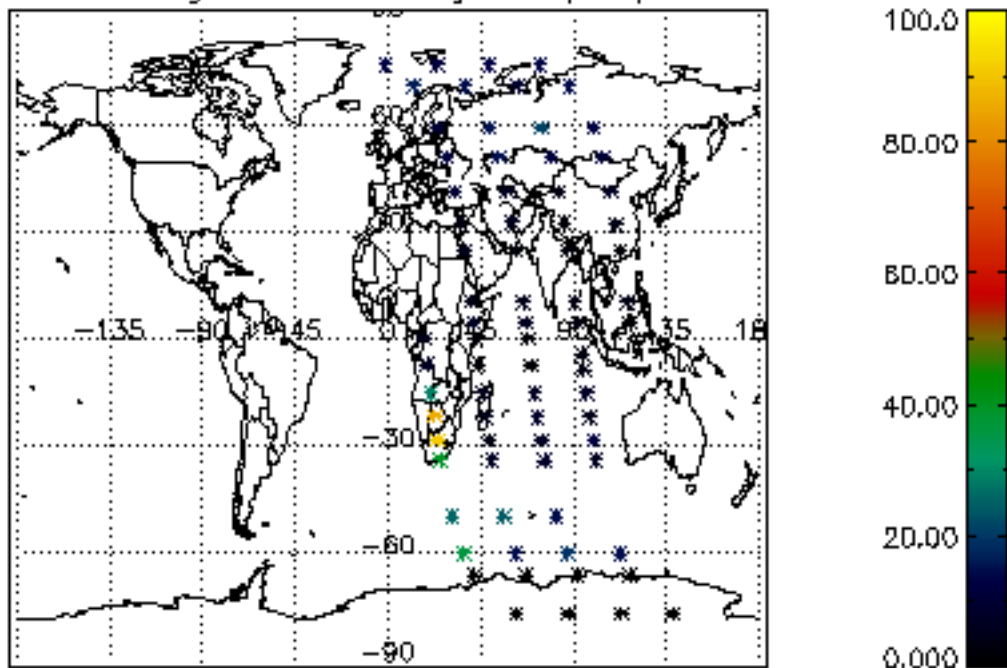




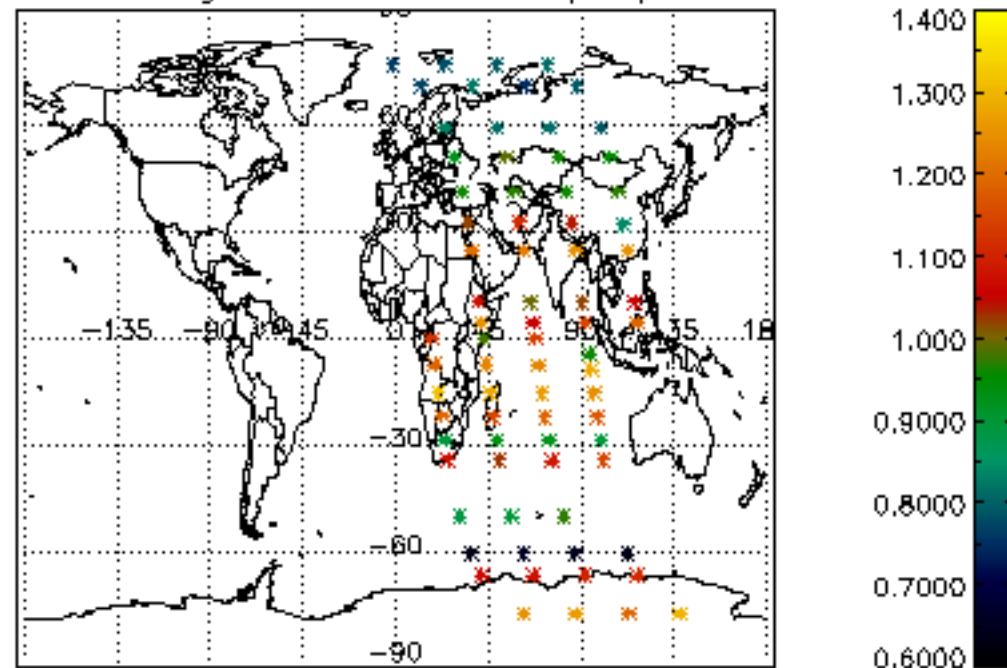




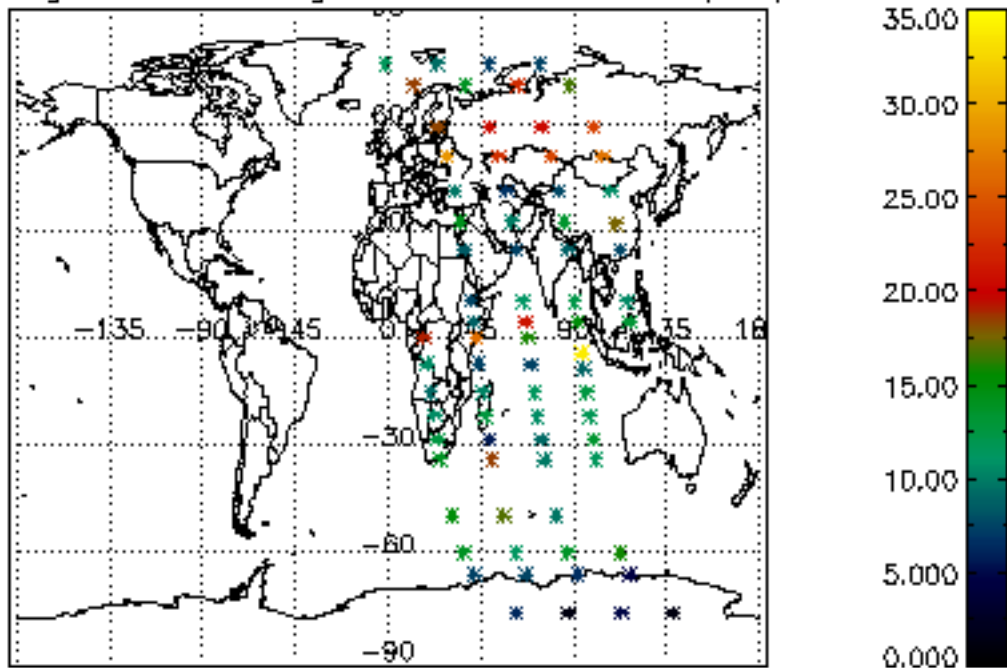
Percentage of cosmic ray hits per profile



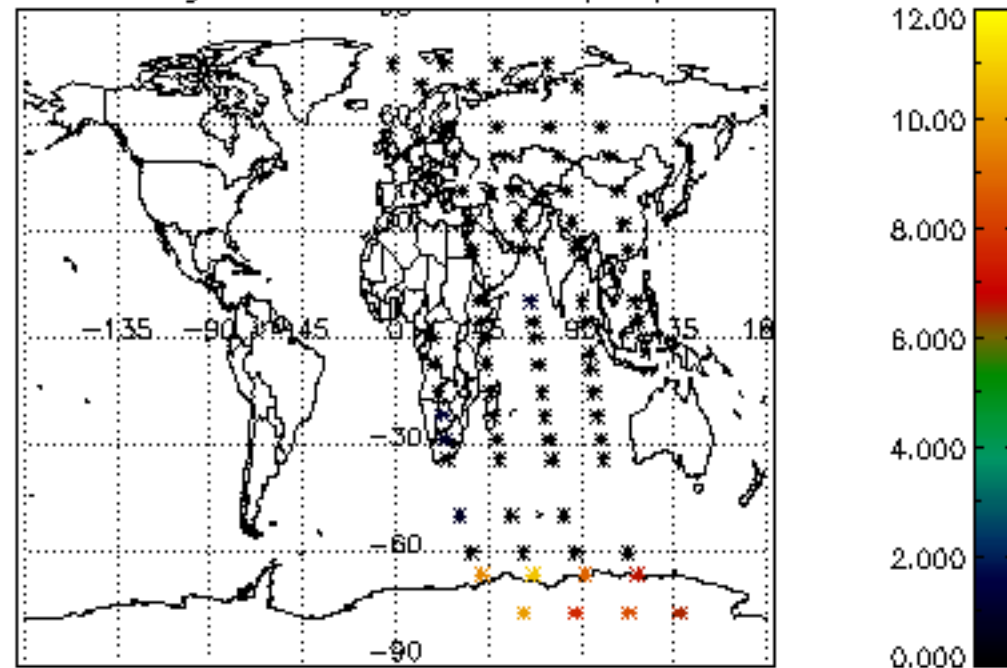
Percentage of datation errors per profile



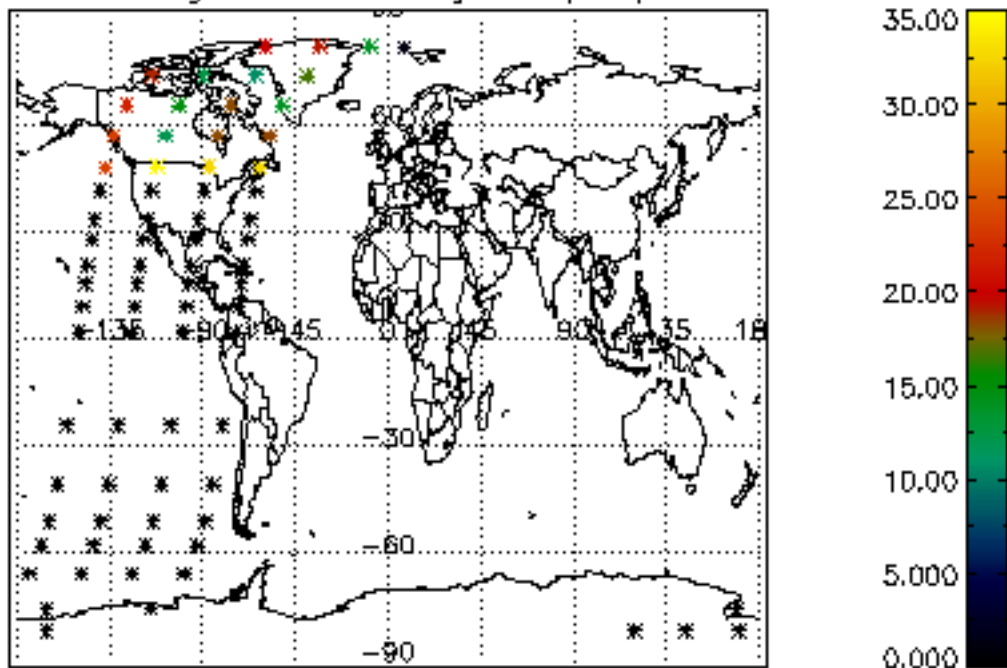
Percentage of star falling outside central band per profile



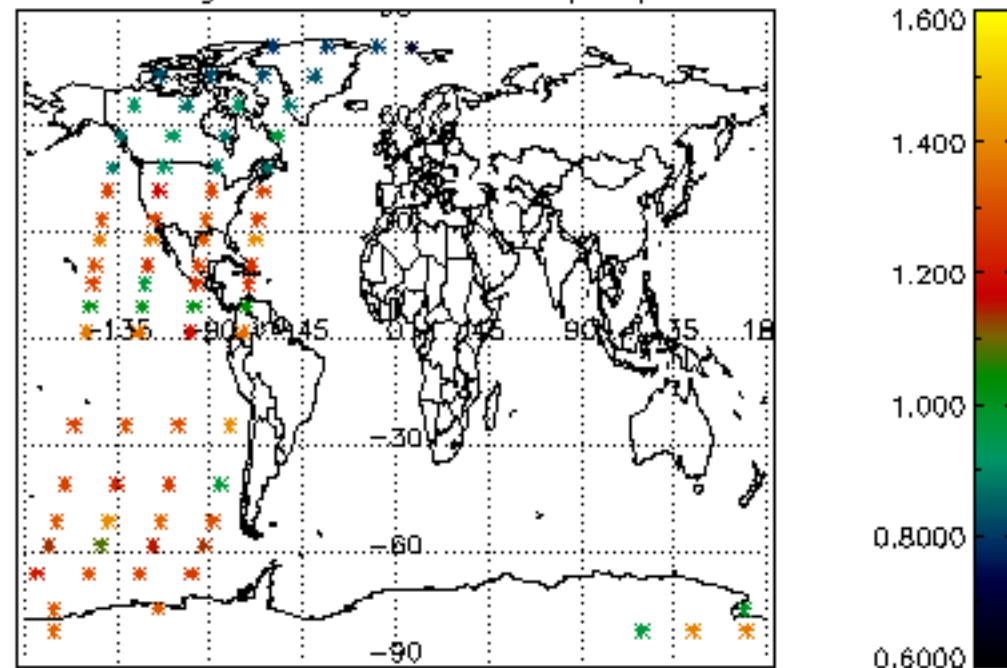
Percentage of saturation errors per profile



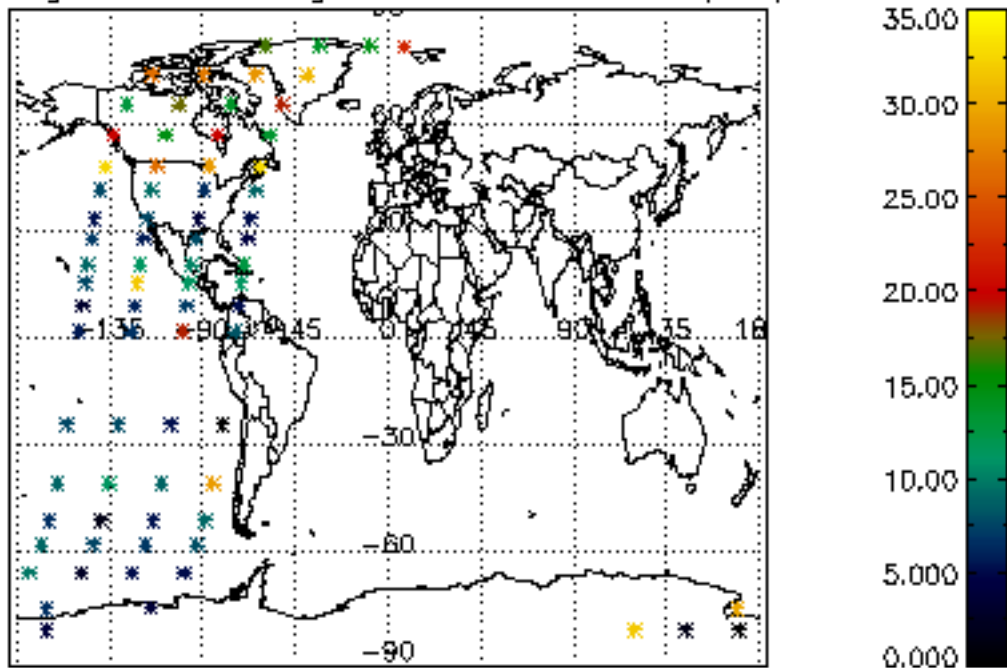
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

