

# 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 03:17:51
Data source version	GOMOS/6.01
Start time of products	15-08-2006 (15AUG2006 00:00:00)
Stop time of products	16-08-2006 (16AUG2006 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	191
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__2PRFIN20060815_001709_000000382050_00202_23302_1882.N1	15-AUG-2006 00:17:09	Twilight	38.000	151	13Mu Gem	2.8900	3000.0	76	23302	No
2	GOM_NL__2PRFIN20060815_001844_000000352050_00202_23302_1883.N1	15-AUG-2006 00:18:44	Twilight	34.500	44	24Gam Gem	1.9280	11000.	69	23302	No
3	GOM_NL__2PRFIN20060815_002751_000000432050_00202_23302_1884.N1	15-AUG-2006 00:27:51	Dark	42.500	1	9Alp CMa	-1.4400	11000.	85	23302	No
4	GOM_NL__2PRFIN20060815_002930_000000332050_00202_23302_1885.N1	15-AUG-2006 00:29:30	Dark	32.500	179	24Omi2CMa	3.0320	24000.	65	23302	No
5	GOM_NL__2PRFIN20060815_003057_000000362050_00202_23302_1886.N1	15-AUG-2006 00:30:57	Dark	35.500	23	21Eps CMa	1.5020	26000.	71	23302	No
6	GOM_NL__2PRFIN20060815_004807_000000382050_00203_23303_1876.N1	15-AUG-2006 00:48:07	Dark	38.000	9	Alp Eri	0.45300	24000.	76	23303	No
7	GOM_NL__2PRFIN20060815_005358_000000352050_00203_23303_1877.N1	15-AUG-2006 00:53:58	Straylight	35.000	148	Alp Tuc	2.8780	4100.0	70	23303	No
8	GOM_NL__2PRFIN20060815_005731_000000352050_00203_23303_1878.N1	15-AUG-2006 00:57:31	Straylight	34.500	31	Alp Gru	1.7340	15200.	69	23303	No
9	GOM_NL__2PRFIN20060815_010030_000000362050_00203_23303_1879.N1	15-AUG-2006 01:00:30	Straylight	36.000	172	Gam Gru	3.0030	13100.	72	23303	No
10	GOM_NL__2PRFIN20060815_011506_000000312050_00203_23303_1880.N1	15-AUG-2006 01:15:06	Bright	30.500	11	53Alp Aql	0.76500	8000.0	61	23303	No
11	GOM_NL__2PRFIN20060815_012403_000000332050_00203_23303_1881.N1	15-AUG-2006 01:24:03	Bright	32.500	66	37Gam Cyg	2.2080	5900.0	65	23303	No
12	GOM_NL__2PRFIN20060815_012518_000000302050_00203_23303_1882.N1	15-AUG-2006 01:25:18	Bright	29.500	144	18Del Cyg	2.8600	11000.	59	23303	No
13	GOM_NL__2PRFIN20060815_013801_000000302050_00203_23303_1883.N1	15-AUG-2006 01:38:01	Bright	29.500	49	1Alp UMi	1.9900	6300.0	59	23303	No
14	GOM_NL__2PRFIN20060815_015746_000000422050_00203_23303_1884.N1	15-AUG-2006 01:57:46	Twilight	42.000	151	13Mu Gem	2.8900	3000.0	84	23303	No
15	GOM_NL__2PRFIN20060815_015920_000000322050_00203_23303_1885.N1	15-AUG-2006 01:59:20	Twilight	32.000	44	24Gam Gem	1.9280	11000.	64	23303	No
16	GOM_NL__2PRFIN20060815_020827_000000422050_00203_23303_1886.N1	15-AUG-2006 02:08:27	Dark	41.500	1	9Alp CMa	-1.4400	11000.	83	23303	No
17	GOM_NL__2PRFIN20060815_021006_000000332050_00203_23303_1887.N1	15-AUG-2006 02:10:06	Dark	33.000	179	24Omi2CMa	3.0320	24000.	66	23303	No
18	GOM_NL__2PRFIN20060815_021133_000000372050_00203_23303_1888.N1	15-AUG-2006 02:11:33	Dark	36.500	23	21Eps CMa	1.5020	26000.	73	23303	No
19	GOM_NL__2PRFIN20060815_022843_000000392050_00204_23304_1877.N1	15-AUG-2006 02:28:43	Dark	38.500	9	Alp Eri	0.45300	24000.	77	23304	No
20	GOM_NL__2PRFIN20060815_023434_000000402050_00204_23304_1878.N1	15-AUG-2006 02:34:34	Straylight	40.000	148	Alp Tuc	2.8780	4100.0	80	23304	No
21	GOM_NL__2PRFIN20060815_023808_000000372050_00204_23304_1879.N1	15-AUG-2006 02:38:08	Straylight	36.500	31	Alp Gru	1.7340	15200.	73	23304	No
22	GOM_NL__2PRFIN20060815_024107_000000352050_00204_23304_1880.N1	15-AUG-2006 02:41:07	Straylight	34.500	172	Gam Gru	3.0030	13100.	69	23304	No
23	GOM_NL__2PRFIN20060815_025542_000000322050_00204_23304_1881.N1	15-AUG-2006 02:55:42	Bright	32.000	11	53Alp Aql	0.76500	8000.0	64	23304	No
24	GOM_NL__2PRFIN20060815_030439_000000332050_00204_23304_1882.N1	15-AUG-2006 03:04:39	Bright	33.000	66	37Gam Cyg	2.2080	5900.0	66	23304	No
25	GOM_NL__2PRFIN20060815_030554_000000302050_00204_23304_1883.N1	15-AUG-2006 03:05:54	Bright	29.500	144	18Del Cyg	2.8600	11000.	59	23304	No
26	GOM_NL__2PRFIN20060815_031837_000000292050_00204_23304_1884.N1	15-AUG-2006 03:18:37	Bright	28.500	49	1Alp UMi	1.9900	6300.0	57	23304	No
27	GOM_NL__2PRFIN20060815_033822_000000442050_00204_23304_1885.N1	15-AUG-2006 03:38:22	Twilight	43.500	151	13Mu Gem	2.8900	3000.0	87	23304	No
28	GOM_NL__2PRFIN20060815_033956_000000382050_00204_23304_1886.N1	15-AUG-2006 03:39:56	Twilight	37.500	44	24Gam Gem	1.9280	11000.	75	23304	No
29	GOM_NL__2PRFIN20060815_034903_000000402050_00204_23304_1887.N1	15-AUG-2006 03:49:03	Dark	39.500	1	9Alp CMa	-1.4400	11000.	79	23304	No
30	GOM_NL__2PRFIN20060815_035042_000000312050_00204_23304_1888.N1	15-AUG-2006 03:50:42	Dark	31.000	179	24Omi2CMa	3.0320	24000.	62	23304	No
31	GOM_NL__2PRFIN20060815_035209_000000332050_00204_23304_1889.N1	15-AUG-2006 03:52:09	Dark	32.500	23	21Eps CMa	1.5020	26000.	65	23304	No
32	GOM_NL__2PRFIN20060815_040920_000000372050_00205_23305_1878.N1	15-AUG-2006 04:09:20	Dark	37.000	9	Alp Eri	0.45300	24000.	74	23305	No
33	GOM_NL__2PRFIN20060815_041511_000000352050_00205_23305_1879.N1	15-AUG-2006 04:15:11	Straylight	35.000	148	Alp Tuc	2.8780	4100.0	70	23305	No
34	GOM_NL__2PRFIN20060815_041844_000000362050_00205_23305_1880.N1	15-AUG-2006 04:18:44	Straylight	35.500	31	Alp Gru	1.7340	15200.	71	23305	No
35	GOM_NL__2PRFIN20060815_042143_000000352050_00205_23305_1881.N1	15-AUG-2006 04:21:43	Straylight	34.500	172	Gam Gru	3.0030	13100.	69	23305	No
36	GOM_NL__2PRFIN20060815_043618_000000312050_00205_23305_1882.N1	15-AUG-2006 04:36:18	Bright	30.500	11	53Alp Aql	0.76500	8000.0	61	23305	No
37	GOM_NL__2PRFIN20060815_044515_000000322050_00205_23305_1883.N1	15-AUG-2006 04:45:15	Bright	31.500	66	37Gam Cyg	2.2080	5900.0	63	23305	No
38	GOM_NL__2PRFIN20060815_044630_000000302050_00205_23305_1884.N1	15-AUG-2006 04:46:30	Bright	29.500	144	18Del Cyg	2.8600	11000.	59	23305	No
39	GOM_NL__2PRFIN20060815_045913_000000292050_00205_23305_1885.N1	15-AUG-2006 04:59:13	Bright	29.000	49	1Alp UMi	1.9900	6300.0	58	23305	No
40	GOM_NL__2PRFIN20060815_051858_000000402050_00205_23305_1886.N1	15-AUG-2006 05:18:58	Twilight	40.000	151	13Mu Gem	2.8900	3000.0	80	23305	No
41	GOM_NL__2PRFIN20060815_052033_000000382050_00205_23305_1887.N1	15-AUG-2006 05:20:33	Twilight	37.500	44	24Gam Gem	1.9280	11000.	75	23305	No
42	GOM_NL__2PRFIN20060815_052939_000000382050_00205_23305_1888.N1	15-AUG-2006 05:29:39	Dark	38.000	1	9Alp CMa	-1.4400	11000.	76	23305	No

43	GOM_NL__2PRFIN20060815_053118_000000332050_00205_23305_1889.N1	15-AUG-2006 05:31:18	Dark	32.500	179	24Omi2Cma	3.0320	24000.	65	23305	No
44	GOM_NL__2PRFIN20060815_053246_000000362050_00205_23305_1890.N1	15-AUG-2006 05:32:46	Dark	35.500	23	21Eps Cma	1.5020	26000.	71	23305	No
45	GOM_NL__2PRFIN20060815_054957_000000402050_00206_23306_1879.N1	15-AUG-2006 05:49:57	Dark	40.000	9	Alp Eri	0.45300	24000.	80	23306	No
46	GOM_NL__2PRFIN20060815_055547_000000352050_00206_23306_1880.N1	15-AUG-2006 05:55:47	Straylight	35.000	148	Alp Tuc	2.8780	4100.0	70	23306	No
47	GOM_NL__2PRFIN20060815_055920_000000372050_00206_23306_1881.N1	15-AUG-2006 05:59:20	Straylight	36.500	31	Alp Gru	1.7340	15200.	73	23306	No
48	GOM_NL__2PRFIN20060815_060220_000000352050_00206_23306_1882.N1	15-AUG-2006 06:02:20	Straylight	35.000	172	Gam Gru	3.0030	13100.	70	23306	No
49	GOM_NL__2PRFIN20060815_061654_000000312050_00206_23306_1883.N1	15-AUG-2006 06:16:54	Bright	30.500	11	53Alp Aql	0.76500	8000.0	61	23306	No
50	GOM_NL__2PRFIN20060815_062551_000000322050_00206_23306_1884.N1	15-AUG-2006 06:25:51	Bright	32.000	66	37Gam Cyg	2.2080	5900.0	64	23306	No
51	GOM_NL__2PRFIN20060815_062706_000000302050_00206_23306_1885.N1	15-AUG-2006 06:27:06	Bright	29.500	144	18Del Cyg	2.8600	11000.	59	23306	No
52	GOM_NL__2PRFIN20060815_063949_000000302050_00206_23306_1886.N1	15-AUG-2006 06:39:49	Bright	29.500	49	1Alp UMi	1.9900	6300.0	59	23306	No
53	GOM_NL__2PRFIN20060815_065934_000000412050_00206_23306_1887.N1	15-AUG-2006 06:59:34	Tw_i_and_stray	40.500	151	13Mu Gem	2.8900	3000.0	81	23306	No
54	GOM_NL__2PRFIN20060815_070109_000000372050_00206_23306_1888.N1	15-AUG-2006 07:01:09	Tw_i_and_stray	37.000	44	24Gam Gem	1.9280	11000.	74	23306	No
55	GOM_NL__2PRFIN20060815_071016_000000422050_00206_23306_1889.N1	15-AUG-2006 07:10:16	Dark	41.500	1	9Alp Cma	-1.4400	11000.	83	23306	No
56	GOM_NL__2PRFIN20060815_071154_000000322050_00206_23306_1890.N1	15-AUG-2006 07:11:54	Dark	31.500	179	24Omi2Cma	3.0320	24000.	63	23306	No
57	GOM_NL__2PRFIN20060815_071322_000000372050_00206_23306_1891.N1	15-AUG-2006 07:13:22	Dark	36.500	23	21Eps Cma	1.5020	26000.	73	23306	No
58	GOM_NL__2PRFIN20060815_073034_000000382050_00207_23307_1880.N1	15-AUG-2006 07:30:34	Dark	38.000	9	Alp Eri	0.45300	24000.	76	23307	No
59	GOM_NL__2PRFIN20060815_073624_000000402050_00207_23307_1881.N1	15-AUG-2006 07:36:24	Straylight	39.500	148	Alp Tuc	2.8780	4100.0	79	23307	No
60	GOM_NL__2PRFIN20060815_073957_000000382050_00207_23307_1882.N1	15-AUG-2006 07:39:57	Straylight	37.500	31	Alp Gru	1.7340	15200.	75	23307	No
61	GOM_NL__2PRFIN20060815_074256_000000352050_00207_23307_1883.N1	15-AUG-2006 07:42:56	Straylight	34.500	172	Gam Gru	3.0030	13100.	69	23307	No
62	GOM_NL__2PRFIN20060815_075731_000000312050_00207_23307_1884.N1	15-AUG-2006 07:57:31	Bright	30.500	11	53Alp Aql	0.76500	8000.0	61	23307	No
63	GOM_NL__2PRFIN20060815_080627_000000332050_00207_23307_1885.N1	15-AUG-2006 08:06:27	Bright	32.500	66	37Gam Cyg	2.2080	5900.0	65	23307	No
64	GOM_NL__2PRFIN20060815_080742_000000292050_00207_23307_1886.N1	15-AUG-2006 08:07:42	Bright	29.000	144	18Del Cyg	2.8600	11000.	58	23307	No
65	GOM_NL__2PRFIN20060815_082025_000000302050_00207_23307_1887.N1	15-AUG-2006 08:20:25	Bright	30.000	49	1Alp UMi	1.9900	6300.0	60	23307	No
66	GOM_NL__2PRFIN20060815_084010_000000392050_00207_23307_1888.N1	15-AUG-2006 08:40:10	Tw_i_and_stray	38.500	151	13Mu Gem	2.8900	3000.0	77	23307	No
67	GOM_NL__2PRFIN20060815_084145_000000332050_00207_23307_1889.N1	15-AUG-2006 08:41:45	Tw_i_and_stray	33.000	44	24Gam Gem	1.9280	11000.	66	23307	No
68	GOM_NL__2PRFIN20060815_085052_000000402050_00207_23307_1890.N1	15-AUG-2006 08:50:52	Dark	40.000	1	9Alp Cma	-1.4400	11000.	80	23307	No
69	GOM_NL__2PRFIN20060815_085231_000000332050_00207_23307_1891.N1	15-AUG-2006 08:52:31	Dark	32.500	179	24Omi2Cma	3.0320	24000.	65	23307	No
70	GOM_NL__2PRFIN20060815_085358_000000382050_00207_23307_1892.N1	15-AUG-2006 08:53:58	Dark	38.000	23	21Eps Cma	1.5020	26000.	76	23307	No
71	GOM_NL__2PRFIN20060815_091110_000000382050_00208_23308_1881.N1	15-AUG-2006 09:11:10	Dark	38.000	9	Alp Eri	0.45300	24000.	76	23308	No
72	GOM_NL__2PRFIN20060815_091700_000000332050_00208_23308_1882.N1	15-AUG-2006 09:17:00	Straylight	32.500	148	Alp Tuc	2.8780	4100.0	65	23308	No
73	GOM_NL__2PRFIN20060815_092033_000000362050_00208_23308_1883.N1	15-AUG-2006 09:20:33	Straylight	35.500	31	Alp Gru	1.7340	15200.	71	23308	No
74	GOM_NL__2PRFIN20060815_092332_000000352050_00208_23308_1884.N1	15-AUG-2006 09:23:32	Straylight	34.500	172	Gam Gru	3.0030	13100.	69	23308	No
75	GOM_NL__2PRFIN20060815_093807_000000452050_00208_23308_1885.N1	15-AUG-2006 09:38:07	Bright	45.000	11	53Alp Aql	0.76500	8000.0	90	23308	No
76	GOM_NL__2PRFIN20060815_094703_000000322050_00208_23308_1886.N1	15-AUG-2006 09:47:03	Bright	32.000	66	37Gam Cyg	2.2080	5900.0	64	23308	No
77	GOM_NL__2PRFIN20060815_094818_000000292050_00208_23308_1887.N1	15-AUG-2006 09:48:18	Bright	29.000	144	18Del Cyg	2.8600	11000.	58	23308	No
78	GOM_NL__2PRFIN20060815_100101_000000312050_00208_23308_1888.N1	15-AUG-2006 10:01:01	Bright	30.500	49	1Alp UMi	1.9900	6300.0	61	23308	No
79	GOM_NL__2PRFIN20060815_102046_000000402050_00208_23308_1889.N1	15-AUG-2006 10:20:46	Tw_i_and_stray	39.500	151	13Mu Gem	2.8900	3000.0	79	23308	No
80	GOM_NL__2PRFIN20060815_102221_000000342050_00208_23308_1890.N1	15-AUG-2006 10:22:21	Tw_i_and_stray	33.500	44	24Gam Gem	1.9280	11000.	67	23308	No
81	GOM_NL__2PRFIN20060815_103128_000000392050_00208_23308_1891.N1	15-AUG-2006 10:31:28	Dark	38.500	1	9Alp Cma	-1.4400	11000.	77	23308	No
82	GOM_NL__2PRFIN20060815_103307_000000332050_00208_23308_1892.N1	15-AUG-2006 10:33:07	Dark	33.000	179	24Omi2Cma	3.0320	24000.	66	23308	No
83	GOM_NL__2PRFIN20060815_103434_000000352050_00208_23308_1893.N1	15-AUG-2006 10:34:34	Dark	35.000	23	21Eps Cma	1.5020	26000.	70	23308	No
84	GOM_NL__2PRFIN20060815_105147_000000382050_00209_23309_1882.N1	15-AUG-2006 10:51:47	Dark	37.500	9	Alp Eri	0.45300	24000.	75	23309	No
85	GOM_NL__2PRFIN20060815_105736_000000412050_00209_23309_1883.N1	15-AUG-2006 10:57:36	Straylight	41.000	148	Alp Tuc	2.8780	4100.0	82	23309	No
86	GOM_NL__2PRFIN20060815_110109_000000382050_00209_23309_1884.N1	15-AUG-2006 11:01:09	Straylight	37.500	31	Alp Gru	1.7340	15200.	75	23309	No
87	GOM_NL__2PRFIN20060815_110408_000000362050_00209_23309_1885.N1	15-AUG-2006 11:04:08	Straylight	36.000	172	Gam Gru	3.0030	13100.	72	23309	No
88	GOM_NL__2PRFIN20060815_111843_000000312050_00209_23309_1886.N1	15-AUG-2006 11:18:43	Bright	30.500	11	53Alp Aql	0.76500	8000.0	61	23309	No
89	GOM_NL__2PRFIN20060815_112738_000000312050_00209_23309_1887.N1	15-AUG-2006 11:27:38	Bright	30.500	66	37Gam Cyg	2.2080	5900.0	61	23309	No
90	GOM_NL__2PRFIN20060815_112854_000000312050_00209_23309_1888.N1	15-AUG-2006 11:28:54	Bright	30.500	144	18Del Cyg	2.8600	11000.	61	23309	No
91	GOM_NL__2PRFIN20060815_114137_000000302050_00209_23309_1889.N1	15-AUG-2006 11:41:37	Bright	29.500	49	1Alp UMi	1.9900	6300.0	59	23309	No
92	GOM_NL__2PRFIN20060815_120122_000000442050_00209_23309_1890.N1	15-AUG-2006 12:01:22	Tw_i_and_stray	44.000	151	13Mu Gem	2.8900	3000.0	88	23309	No
93	GOM_NL__2PRFIN20060815_120257_000000382050_00209_23309_1891.N1	15-AUG-2006 12:02:57	Tw_i_and_stray	37.500	44	24Gam Gem	1.9280	11000.	75	23309	No
94	GOM_NL__2PRFIN20060815_121204_000000432050_00209_23309_1892.N1	15-AUG-2006 12:12:04	Dark	43.000	1	9Alp Cma	-1.4400	11000.	86	23309	No
95	GOM_NL__2PRFIN20060815_121343_000000322050_00209_23309_1893.N1	15-AUG-2006 12:13:43	Dark	32.000	179	24Omi2Cma	3.0320	24000.	64	23309	No
96	GOM_NL__2PRFIN20060815_121510_000000362050_00209_23309_1894.N1	15-AUG-2006 12:15:10	Dark	35.500	23	21Eps Cma	1.5020	26000.	71	23309	No
97	GOM_NL__2PRFIN20060815_123223_000000402050_00210_23310_1903.N1	15-AUG-2006 12:32:23	Dark	39.500	9	Alp Eri	0.45300	24000.	79	23310	No
98	GOM_NL__2PRFIN20060815_123812_000000352050_00210_23310_1904.N1	15-AUG-2006 12:38:12	Straylight	34.500	148	Alp Tuc	2.8780	4100.0	69	23310	No
99	GOM_NL__2PRFIN20060815_124145_000000352050_00210_23310_1905.N1	15-AUG-2006 12:41:45	Straylight	34.500	31	Alp Gru	1.7340	15200.	69	23310	No
100	GOM_NL__2PRFIN20060815_124445_000000332050_00210_23310_1906.N1	15-AUG-2006 12:44:45	Straylight	33.000	172	Gam Gru	3.0030	13100.	66	23310	No
101	GOM_NL__2PRFIN20060815_125918_000000322050_00210_23310_1907.N1	15-AUG-2006 12:59:18	Bright	32.000	11	53Alp Aql	0.76500	8000.0	64	23310	No

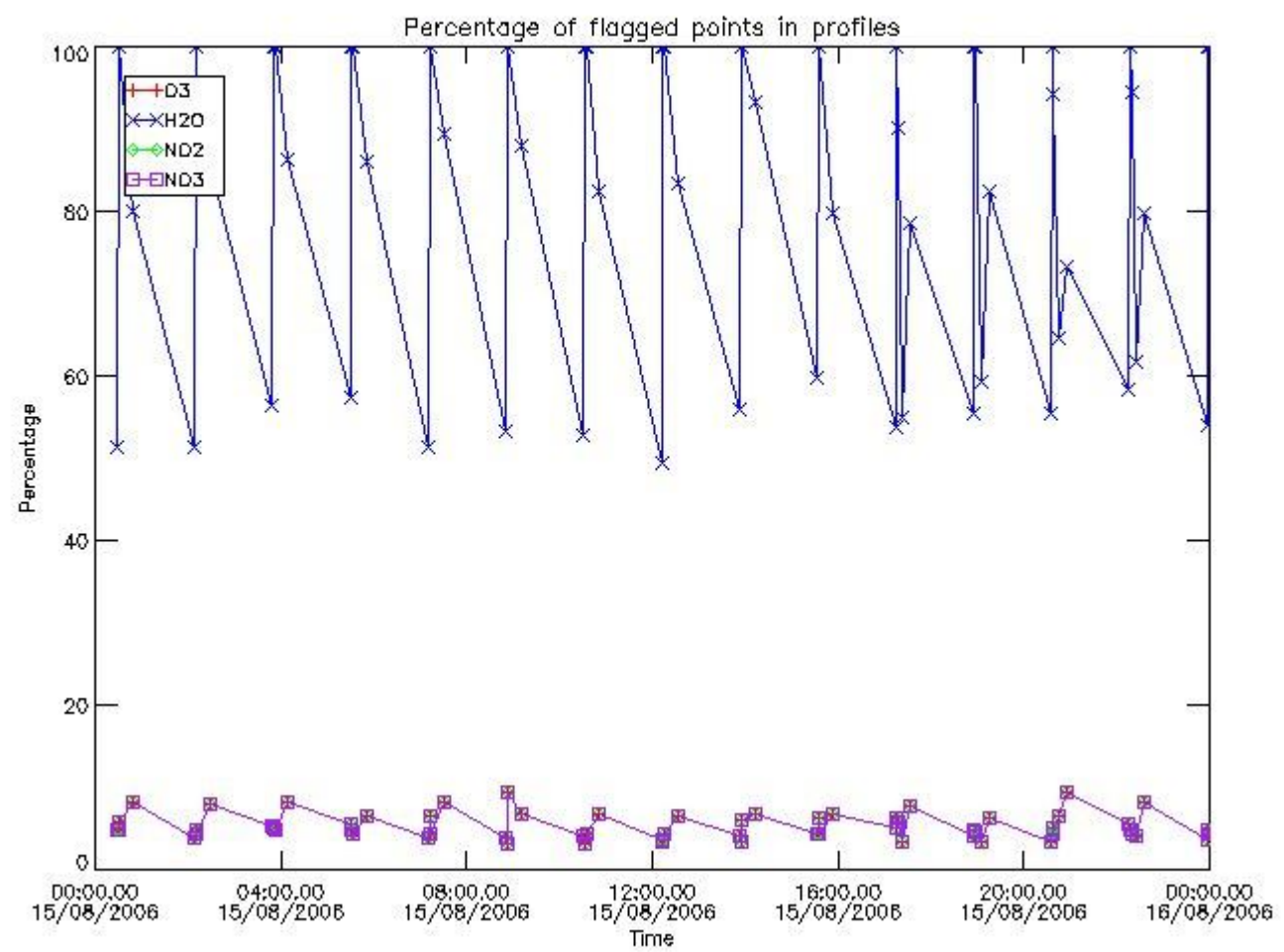
102	GOM_NL__2PRFIN20060815_130814_000000342050_00210_23310_1908.N1	15-AUG-2006 13:08:14	Bright	33.500	66	37Gam Cyg	2.2080	5900.0	67	23310	No
103	GOM_NL__2PRFIN20060815_130929_000000282050_00210_23310_1909.N1	15-AUG-2006 13:09:29	Bright	28.000	144	18Del Cyg	2.8600	11000.	56	23310	No
104	GOM_NL__2PRFIN20060815_132213_000000312050_00210_23310_1910.N1	15-AUG-2006 13:22:13	Bright	30.500	49	1Alp UMi	1.9900	6300.0	61	23310	No
105	GOM_NL__2PRFIN20060815_134159_000000462050_00210_23310_1911.N1	15-AUG-2006 13:41:59	Tw_i_and_stray	45.500	151	13Mu Gem	2.8900	3000.0	91	23310	No
106	GOM_NL__2PRFIN20060815_134334_000000362050_00210_23310_1912.N1	15-AUG-2006 13:43:34	Tw_i_and_stray	36.000	44	24Gam Gem	1.9280	11000.	72	23310	No
107	GOM_NL__2PRFIN20060815_135241_000000392050_00210_23310_1913.N1	15-AUG-2006 13:52:41	Dark	39.000	1	9Alp CMa	-1.4400	11000.	78	23310	No
108	GOM_NL__2PRFIN20060815_135419_000000322050_00210_23310_1914.N1	15-AUG-2006 13:54:19	Dark	32.000	179	24Omi2CMa	3.0320	24000.	64	23310	No
109	GOM_NL__2PRFIN20060815_135546_000000352050_00210_23310_1915.N1	15-AUG-2006 13:55:46	Dark	34.500	23	21Eps CMa	1.5020	26000.	69	23310	No
110	GOM_NL__2PRFIN20060815_141300_000000382050_00211_23311_1904.N1	15-AUG-2006 14:13:00	Dark	38.000	9	Alp Eri	0.45300	24000.	76	23311	No
111	GOM_NL__2PRFIN20060815_141848_000000362050_00211_23311_1905.N1	15-AUG-2006 14:18:48	Straylight	35.500	148	Alp Tuc	2.8780	4100.0	71	23311	No
112	GOM_NL__2PRFIN20060815_142222_000000342050_00211_23311_1906.N1	15-AUG-2006 14:22:22	Straylight	33.500	31	Alp Gru	1.7340	15200.	67	23311	No
113	GOM_NL__2PRFIN20060815_142521_000000352050_00211_23311_1907.N1	15-AUG-2006 14:25:21	Straylight	35.000	172	Gam Gru	3.0030	13100.	70	23311	No
114	GOM_NL__2PRFIN20060815_143955_000000292050_00211_23311_1908.N1	15-AUG-2006 14:39:55	Bright	29.000	11	53Alp Aql	0.76500	8000.0	58	23311	No
115	GOM_NL__2PRFIN20060815_144850_000000312050_00211_23311_1909.N1	15-AUG-2006 14:48:50	Bright	30.500	66	37Gam Cyg	2.2080	5900.0	61	23311	No
116	GOM_NL__2PRFIN20060815_145005_000000282050_00211_23311_1910.N1	15-AUG-2006 14:50:05	Bright	28.000	144	18Del Cyg	2.8600	11000.	56	23311	No
117	GOM_NL__2PRFIN20060815_150249_000000302050_00211_23311_1911.N1	15-AUG-2006 15:02:49	Bright	29.500	49	1Alp UMi	1.9900	6300.0	59	23311	No
118	GOM_NL__2PRFIN20060815_152235_000000432050_00211_23311_1912.N1	15-AUG-2006 15:22:35	Tw_i_and_stray	42.500	151	13Mu Gem	2.8900	3000.0	85	23311	No
119	GOM_NL__2PRFIN20060815_152410_000000372050_00211_23311_1913.N1	15-AUG-2006 15:24:10	Tw_i_and_stray	36.500	44	24Gam Gem	1.9280	11000.	73	23311	No
120	GOM_NL__2PRFIN20060815_153317_000000372050_00211_23311_1914.N1	15-AUG-2006 15:33:17	Dark	36.500	1	9Alp CMa	-1.4400	11000.	73	23311	No
121	GOM_NL__2PRFIN20060815_153455_000000332050_00211_23311_1915.N1	15-AUG-2006 15:34:55	Dark	33.000	179	24Omi2CMa	3.0320	24000.	66	23311	No
122	GOM_NL__2PRFIN20060815_153622_000000372050_00211_23311_1916.N1	15-AUG-2006 15:36:22	Dark	36.500	23	21Eps CMa	1.5020	26000.	73	23311	No
123	GOM_NL__2PRFIN20060815_155337_000000382050_00212_23312_0751.N1	15-AUG-2006 15:53:37	Dark	37.500	9	Alp Eri	0.45300	24000.	75	23312	No
124	GOM_NL__2PRFIN20060815_155925_000000372050_00212_23312_0752.N1	15-AUG-2006 15:59:25	Straylight	36.500	148	Alp Tuc	2.8780	4100.0	73	23312	No
125	GOM_NL__2PRFIN20060815_160258_000000362050_00212_23312_0753.N1	15-AUG-2006 16:02:58	Straylight	35.500	31	Alp Gru	1.7340	15200.	71	23312	No
126	GOM_NL__2PRFIN20060815_160557_000000332050_00212_23312_0754.N1	15-AUG-2006 16:05:57	Straylight	33.000	172	Gam Gru	3.0030	13100.	66	23312	No
127	GOM_NL__2PRFIN20060815_162031_000000312050_00212_23312_0755.N1	15-AUG-2006 16:20:31	Bright	30.500	11	53Alp Aql	0.76500	8000.0	61	23312	No
128	GOM_NL__2PRFIN20060815_162926_000000332050_00212_23312_0756.N1	15-AUG-2006 16:29:26	Bright	32.500	66	37Gam Cyg	2.2080	5900.0	65	23312	No
129	GOM_NL__2PRFIN20060815_163041_000000302050_00212_23312_0757.N1	15-AUG-2006 16:30:41	Bright	29.500	144	18Del Cyg	2.8600	11000.	59	23312	No
130	GOM_NL__2PRFIN20060815_164325_000000302050_00212_23312_0758.N1	15-AUG-2006 16:43:25	Bright	30.000	49	1Alp UMi	1.9900	6300.0	60	23312	No
131	GOM_NL__2PRFIN20060815_170311_000000372050_00212_23312_0759.N1	15-AUG-2006 17:03:11	Tw_i_and_stray	36.500	151	13Mu Gem	2.8900	3000.0	73	23312	No
132	GOM_NL__2PRFIN20060815_170446_000000372050_00212_23312_0760.N1	15-AUG-2006 17:04:46	Tw_i_and_stray	37.000	44	24Gam Gem	1.9280	11000.	74	23312	No
133	GOM_NL__2PRFIN20060815_171353_000000412050_00212_23312_0761.N1	15-AUG-2006 17:13:53	Dark	40.500	1	9Alp CMa	-1.4400	11000.	81	23312	No
134	GOM_NL__2PRFIN20060815_171531_000000332050_00212_23312_0762.N1	15-AUG-2006 17:15:31	Dark	32.500	179	24Omi2CMa	3.0320	24000.	65	23312	No
135	GOM_NL__2PRFIN20060815_171659_000000362050_00212_23312_0763.N1	15-AUG-2006 17:16:59	Dark	35.500	23	21Eps CMa	1.5020	26000.	71	23312	No
136	GOM_NL__2PRFIN20060815_172348_000000462050_00212_23312_0764.N1	15-AUG-2006 17:23:48	Dark	46.000	2	Alp Car	-0.73600	7000.0	92	23312	No
137	GOM_NL__2PRFIN20060815_173413_000000402050_00213_23313_0751.N1	15-AUG-2006 17:34:13	Dark	40.000	9	Alp Eri	0.45300	24000.	80	23313	No
138	GOM_NL__2PRFIN20060815_174001_000000322050_00213_23313_0752.N1	15-AUG-2006 17:40:01	Straylight	32.000	148	Alp Tuc	2.8780	4100.0	64	23313	No
139	GOM_NL__2PRFIN20060815_174334_000000412050_00213_23313_0753.N1	15-AUG-2006 17:43:34	Straylight	41.000	31	Alp Gru	1.7340	15200.	82	23313	No
140	GOM_NL__2PRFIN20060815_174633_000000362050_00213_23313_0754.N1	15-AUG-2006 17:46:33	Straylight	35.500	172	Gam Gru	3.0030	13100.	71	23313	No
141	GOM_NL__2PRFIN20060815_180107_000000322050_00213_23313_0755.N1	15-AUG-2006 18:01:07	Bright	31.500	11	53Alp Aql	0.76500	8000.0	63	23313	No
142	GOM_NL__2PRFIN20060815_181002_000000322050_00213_23313_0756.N1	15-AUG-2006 18:10:02	Bright	32.000	66	37Gam Cyg	2.2080	5900.0	64	23313	No
143	GOM_NL__2PRFIN20060815_181117_000000292050_00213_23313_0757.N1	15-AUG-2006 18:11:17	Bright	29.000	144	18Del Cyg	2.8600	11000.	58	23313	No
144	GOM_NL__2PRFIN20060815_182401_000000302050_00213_23313_0758.N1	15-AUG-2006 18:24:01	Bright	29.500	49	1Alp UMi	1.9900	6300.0	59	23313	No
145	GOM_NL__2PRFIN20060815_184347_000000402050_00213_23313_0759.N1	15-AUG-2006 18:43:47	Tw_i_and_stray	40.000	151	13Mu Gem	2.8900	3000.0	80	23313	No
146	GOM_NL__2PRFIN20060815_184522_000000342050_00213_23313_0760.N1	15-AUG-2006 18:45:22	Tw_i_and_stray	34.000	44	24Gam Gem	1.9280	11000.	68	23313	No
147	GOM_NL__2PRFIN20060815_185429_000000382050_00213_23313_0761.N1	15-AUG-2006 18:54:29	Dark	37.500	1	9Alp CMa	-1.4400	11000.	75	23313	No
148	GOM_NL__2PRFIN20060815_185608_000000322050_00213_23313_0762.N1	15-AUG-2006 18:56:08	Dark	31.500	179	24Omi2CMa	3.0320	24000.	63	23313	No
149	GOM_NL__2PRFIN20060815_185735_000000342050_00213_23313_0763.N1	15-AUG-2006 18:57:35	Dark	33.500	23	21Eps CMa	1.5020	26000.	67	23313	No
150	GOM_NL__2PRFIN20060815_190425_000000462050_00213_23313_0764.N1	15-AUG-2006 19:04:25	Dark	46.000	2	Alp Car	-0.73600	7000.0	92	23313	No
151	GOM_NL__2PRFIN20060815_191450_000000412050_00214_23314_0753.N1	15-AUG-2006 19:14:50	Dark	40.500	9	Alp Eri	0.45300	24000.	81	23314	No
152	GOM_NL__2PRFIN20060815_192037_000000342050_00214_23314_0754.N1	15-AUG-2006 19:20:37	Straylight	33.500	148	Alp Tuc	2.8780	4100.0	67	23314	No
153	GOM_NL__2PRFIN20060815_192411_000000432050_00214_23314_0755.N1	15-AUG-2006 19:24:11	Straylight	43.000	31	Alp Gru	1.7340	15200.	86	23314	No
154	GOM_NL__2PRFIN20060815_192710_000000342050_00214_23314_0756.N1	15-AUG-2006 19:27:10	Straylight	33.500	172	Gam Gru	3.0030	13100.	67	23314	No
155	GOM_NL__2PRFIN20060815_194143_000000312050_00214_23314_0757.N1	15-AUG-2006 19:41:43	Bright	30.500	11	53Alp Aql	0.76500	8000.0	61	23314	No
156	GOM_NL__2PRFIN20060815_195037_000000322050_00214_23314_0758.N1	15-AUG-2006 19:50:37	Bright	31.500	66	37Gam Cyg	2.2080	5900.0	63	23314	No
157	GOM_NL__2PRFIN20060815_195153_000000302050_00214_23314_0759.N1	15-AUG-2006 19:51:53	Bright	29.500	144	18Del Cyg	2.8600	11000.	59	23314	No
158	GOM_NL__2PRFIN20060815_200437_000000302050_00214_23314_0760.N1	15-AUG-2006 20:04:37	Bright	30.000	49	1Alp UMi	1.9900	6300.0	60	23314	No
159	GOM_NL__2PRFIN20060815_202423_000000442050_00214_23314_0761.N1	15-AUG-2006 20:24:23	Tw_i_and_stray	43.500	151	13Mu Gem	2.8900	3000.0	87	23314	No
160	GOM_NL__2PRFIN20060815_202558_000000372050_00214_23314_0762.N1	15-AUG-2006 20:25:58	Tw_i_and_stray	37.000	44	24Gam Gem	1.9280	11000.	74	23314	No

161	GOM_NL__2PRFIN20060815_203506_000000472050_00214_23314_0763.N1	15-AUG-2006 20:35:06	Dark	46.500	1	9Alp CMa	-1.4400	11000.	93	23314	No
162	GOM_NL__2PRFIN20060815_203644_000000312050_00214_23314_0764.N1	15-AUG-2006 20:36:44	Dark	31.000	179	24Omi2CMa	3.0320	24000.	62	23314	No
163	GOM_NL__2PRFIN20060815_203811_000000352050_00214_23314_0765.N1	15-AUG-2006 20:38:11	Dark	35.000	23	21Eps CMa	1.5020	26000.	70	23314	No
164	GOM_NL__2PRFIN20060815_204501_000000322050_00214_23314_0766.N1	15-AUG-2006 20:45:01	Dark	31.500	2	Alp Car	-0.73600	7000.0	63	23314	No
165	GOM_NL__2PRFIN20060815_205527_000000382050_00215_23315_0753.N1	15-AUG-2006 20:55:27	Dark	38.000	9	Alp Eri	0.45300	24000.	76	23315	No
166	GOM_NL__2PRFIN20060815_210114_000000332050_00215_23315_0754.N1	15-AUG-2006 21:01:14	Straylight	33.000	148	Alp Tuc	2.8780	4100.0	66	23315	No
167	GOM_NL__2PRFIN20060815_210447_000000372050_00215_23315_0755.N1	15-AUG-2006 21:04:47	Straylight	36.500	31	Alp Gru	1.7340	15200.	73	23315	No
168	GOM_NL__2PRFIN20060815_210746_000000352050_00215_23315_0756.N1	15-AUG-2006 21:07:46	Straylight	34.500	172	Gam Gru	3.0030	13100.	69	23315	No
169	GOM_NL__2PRFIN20060815_212219_000000302050_00215_23315_0757.N1	15-AUG-2006 21:22:19	Bright	29.500	11	53Alp Aql	0.76500	8000.0	59	23315	No
170	GOM_NL__2PRFIN20060815_213113_000000312050_00215_23315_0758.N1	15-AUG-2006 21:31:13	Bright	30.500	66	37Gam Cyg	2.2080	5900.0	61	23315	No
171	GOM_NL__2PRFIN20060815_213229_000000282050_00215_23315_0759.N1	15-AUG-2006 21:32:29	Bright	28.000	144	18Del Cyg	2.8600	11000.	56	23315	No
172	GOM_NL__2PRFIN20060815_214513_000000302050_00215_23315_0760.N1	15-AUG-2006 21:45:13	Bright	29.500	49	1Alp UMi	1.9900	6300.0	59	23315	No
173	GOM_NL__2PRFIN20060815_220459_000000402050_00215_23315_0761.N1	15-AUG-2006 22:04:59	Twilight_stray	40.000	151	13Mu Gem	2.8900	3000.0	80	23315	No
174	GOM_NL__2PRFIN20060815_220634_000000352050_00215_23315_0762.N1	15-AUG-2006 22:06:34	Twilight_stray	34.500	44	24Gam Gem	1.9280	11000.	69	23315	No
175	GOM_NL__2PRFIN20060815_221542_000000372050_00215_23315_0763.N1	15-AUG-2006 22:15:42	Dark	36.500	1	9Alp CMa	-1.4400	11000.	73	23315	No
176	GOM_NL__2PRFIN20060815_221720_000000332050_00215_23315_0764.N1	15-AUG-2006 22:17:20	Dark	32.500	179	24Omi2CMa	3.0320	24000.	65	23315	No
177	GOM_NL__2PRFIN20060815_221847_000000372050_00215_23315_0765.N1	15-AUG-2006 22:18:47	Dark	36.500	23	21Eps CMa	1.5020	26000.	73	23315	No
178	GOM_NL__2PRFIN20060815_222537_000000372050_00215_23315_0766.N1	15-AUG-2006 22:25:37	Dark	37.000	2	Alp Car	-0.73600	7000.0	74	23315	No
179	GOM_NL__2PRFIN20060815_223603_000000382050_00216_23316_0755.N1	15-AUG-2006 22:36:03	Dark	37.500	9	Alp Eri	0.45300	24000.	75	23316	No
180	GOM_NL__2PRFIN20060815_224150_000000332050_00216_23316_0756.N1	15-AUG-2006 22:41:50	Straylight	32.500	148	Alp Tuc	2.8780	4100.0	65	23316	No
181	GOM_NL__2PRFIN20060815_224523_000000332050_00216_23316_0757.N1	15-AUG-2006 22:45:23	Straylight	33.000	31	Alp Gru	1.7340	15200.	66	23316	No
182	GOM_NL__2PRFIN20060815_224822_000000352050_00216_23316_0758.N1	15-AUG-2006 22:48:22	Straylight	34.500	172	Gam Gru	3.0030	13100.	69	23316	No
183	GOM_NL__2PRFIN20060815_230255_000000312050_00216_23316_0759.N1	15-AUG-2006 23:02:55	Bright	30.500	11	53Alp Aql	0.76500	8000.0	61	23316	No
184	GOM_NL__2PRFIN20060815_231149_000000302050_00216_23316_0760.N1	15-AUG-2006 23:11:49	Bright	29.500	66	37Gam Cyg	2.2080	5900.0	59	23316	No
185	GOM_NL__2PRFIN20060815_231305_000000302050_00216_23316_0761.N1	15-AUG-2006 23:13:05	Bright	30.000	144	18Del Cyg	2.8600	11000.	60	23316	No
186	GOM_NL__2PRFIN20060815_232548_000000302050_00216_23316_0762.N1	15-AUG-2006 23:25:48	Bright	29.500	49	1Alp UMi	1.9900	6300.0	59	23316	No
187	GOM_NL__2PRFIN20060815_234535_000000432050_00216_23316_0763.N1	15-AUG-2006 23:45:35	Twilight_stray	43.000	151	13Mu Gem	2.8900	3000.0	86	23316	No
188	GOM_NL__2PRFIN20060815_234711_000000352050_00216_23316_0764.N1	15-AUG-2006 23:47:11	Twilight_stray	34.500	44	24Gam Gem	1.9280	11000.	69	23316	No
189	GOM_NL__2PRFIN20060815_235618_000000442050_00216_23316_0765.N1	15-AUG-2006 23:56:18	Dark	44.000	1	9Alp CMa	-1.4400	11000.	88	23316	No
190	GOM_NL__2PRFIN20060815_235756_000000322050_00216_23316_0766.N1	15-AUG-2006 23:57:56	Dark	31.500	179	24Omi2CMa	3.0320	24000.	63	23316	No
191	GOM_NL__2PRFIN20060815_235923_000000352050_00216_23316_0767.N1	15-AUG-2006 23:59:23	Dark	35.000	23	21Eps CMa	1.5020	26000.	70	23316	No

### 3. Quality information per product

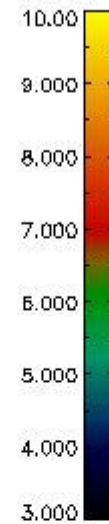
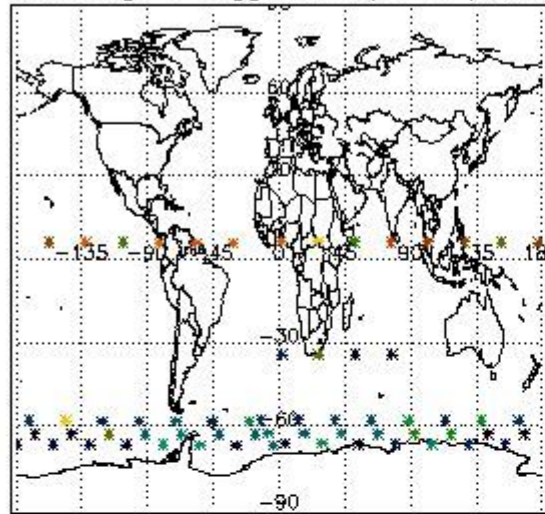
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

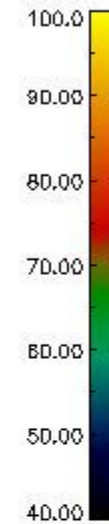
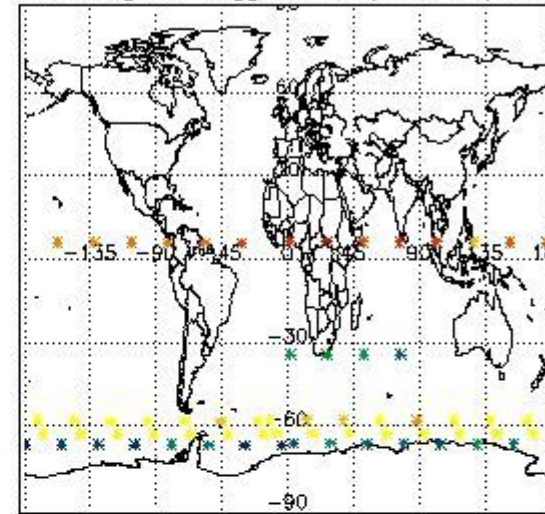


*3.2 Plot quality information per product (world map)*

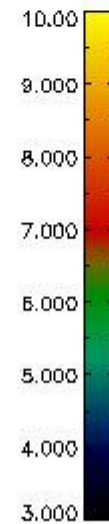
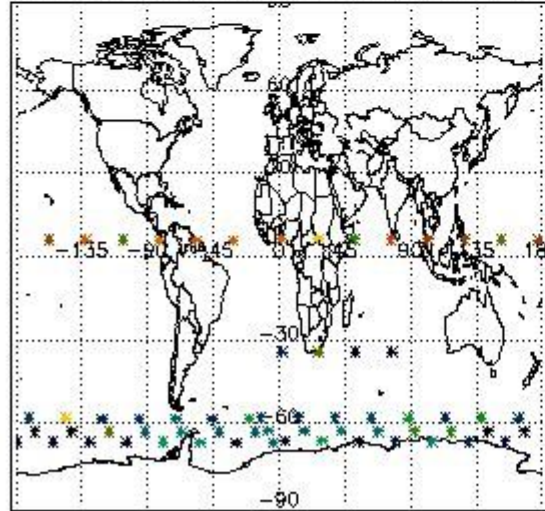
Percentage of flagged data per O3 profile



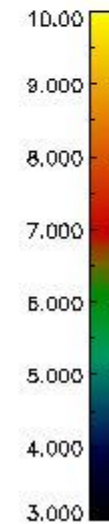
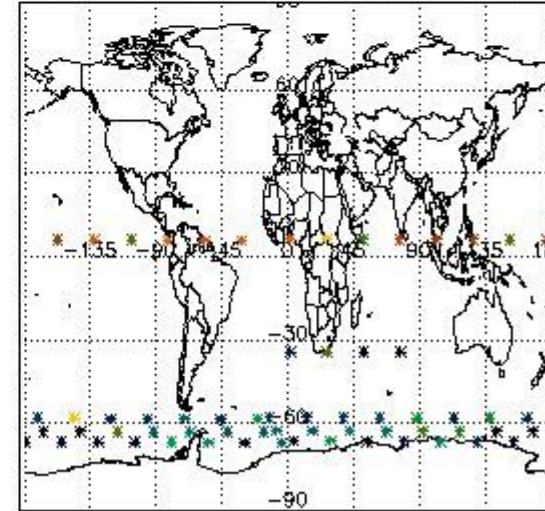
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

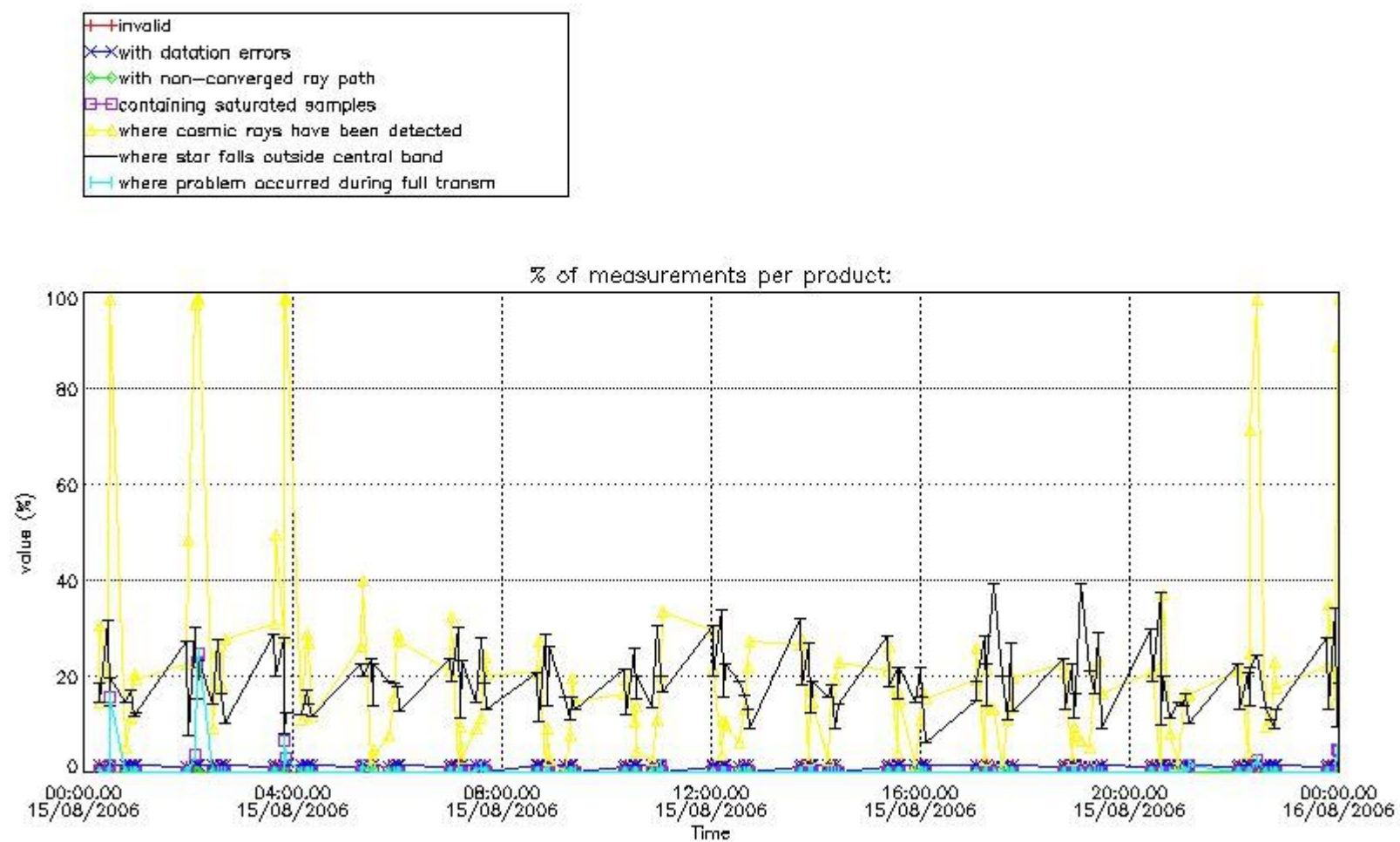


#### 4. Level 1 quality information per product

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.

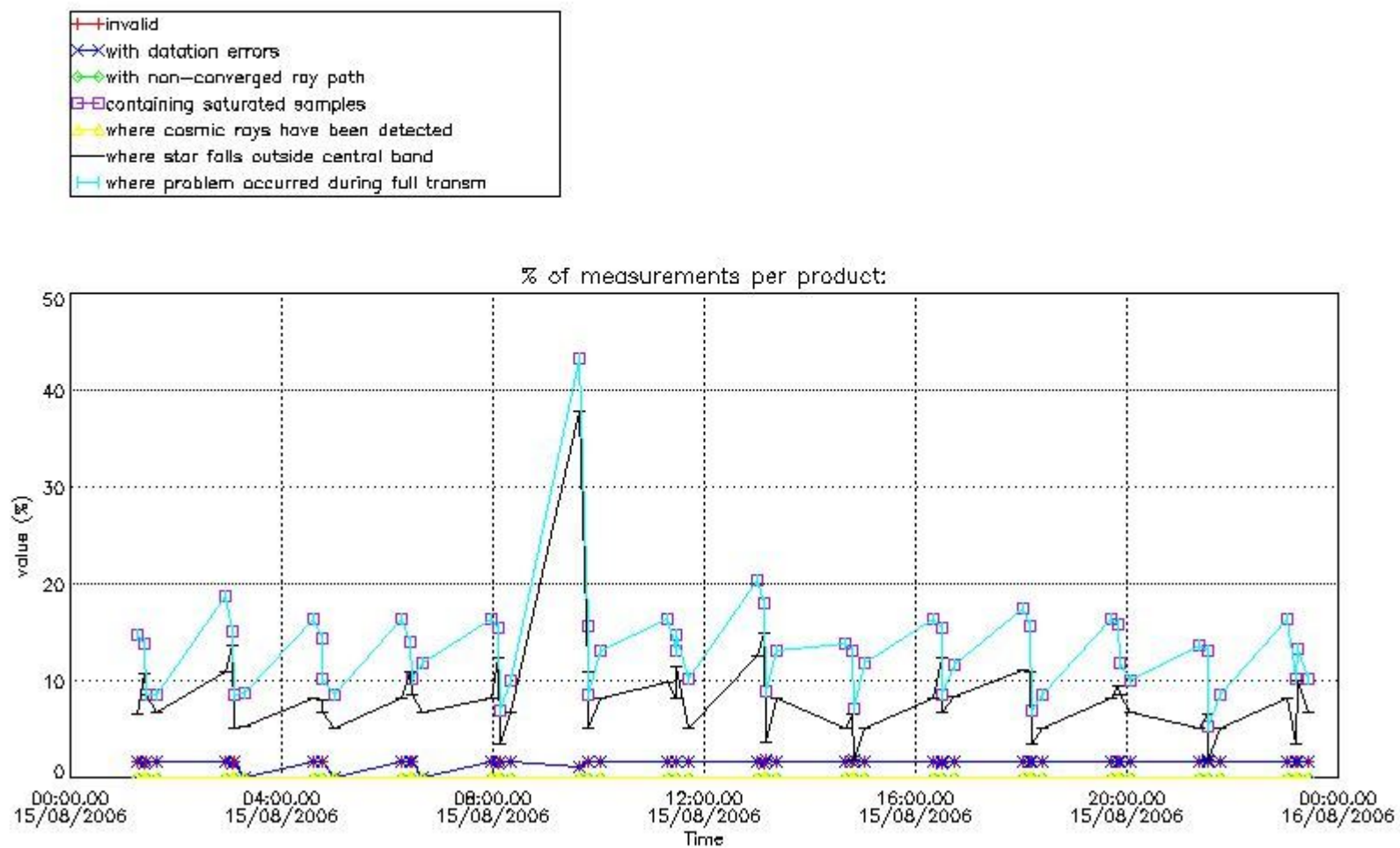
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

###### 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

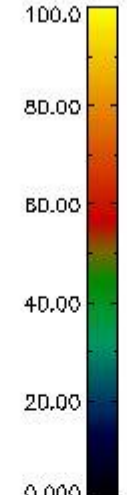
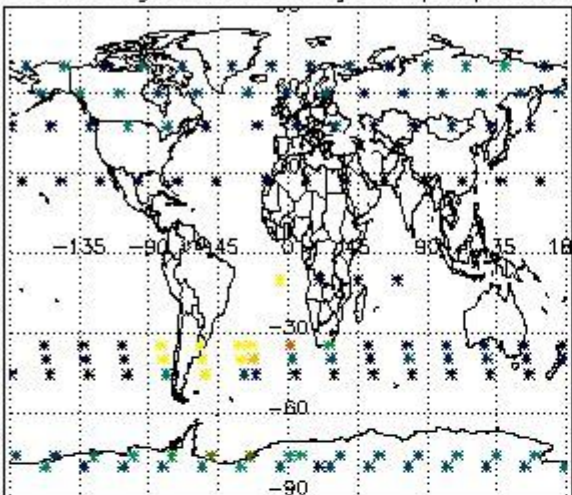




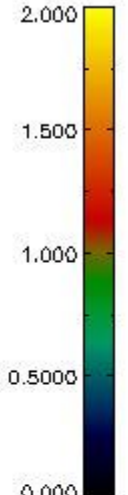
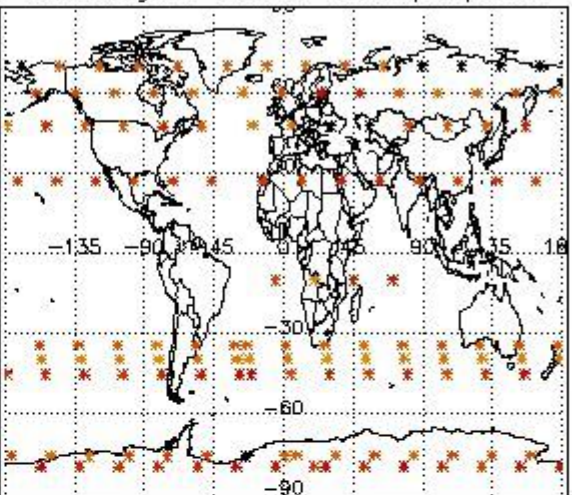
4.2 Plot quality information per product coming from level 1b processing (world map)

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

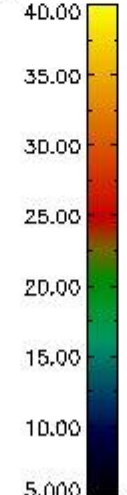
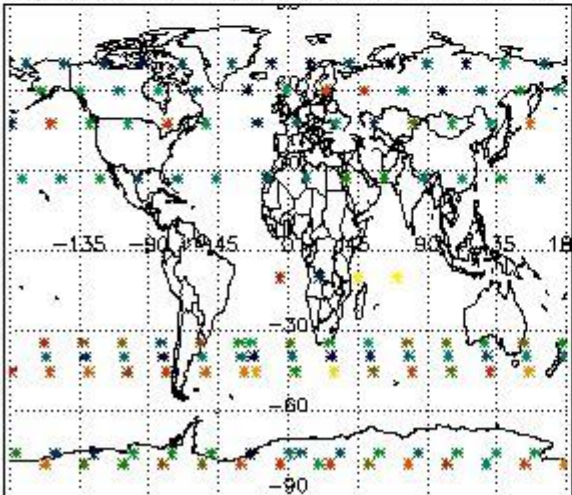
Percentage of cosmic ray hits per profile



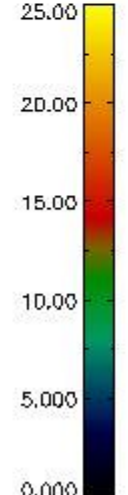
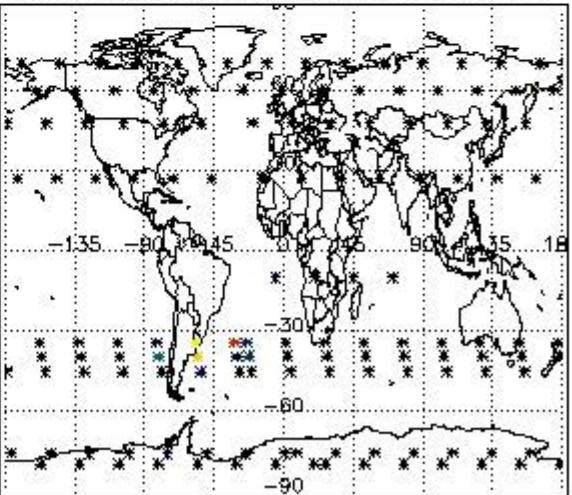
Percentage of datation errors per profile



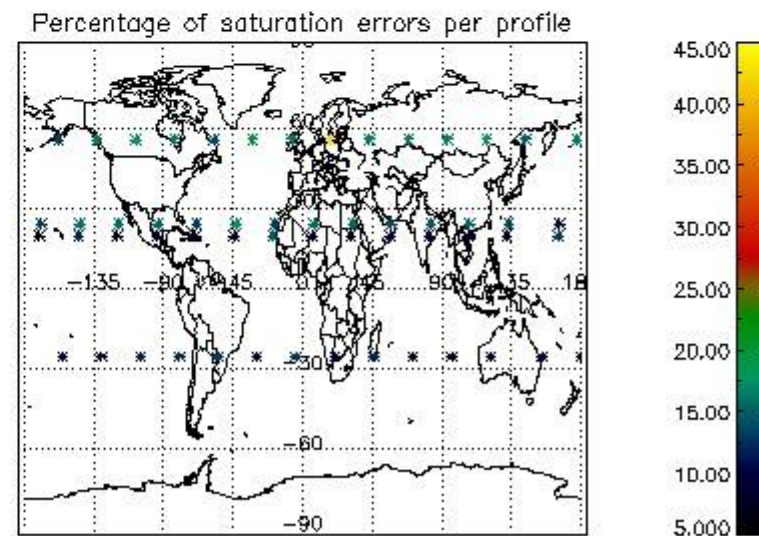
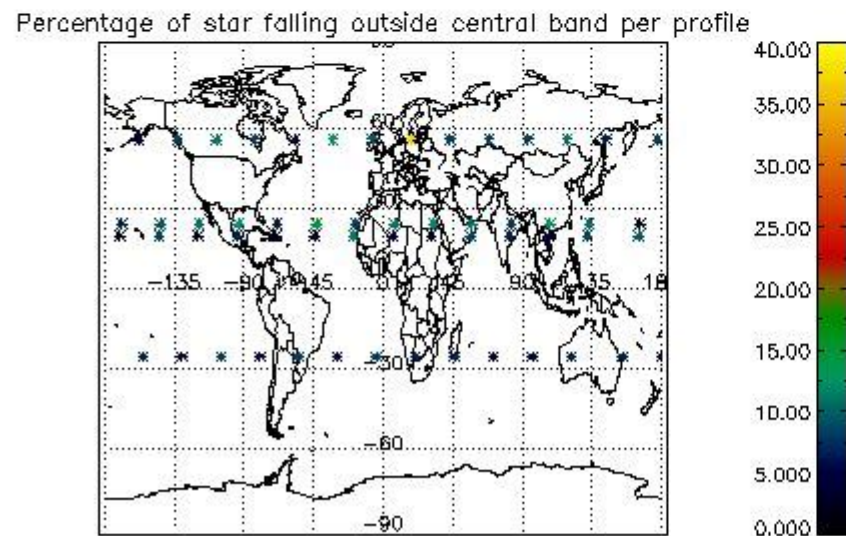
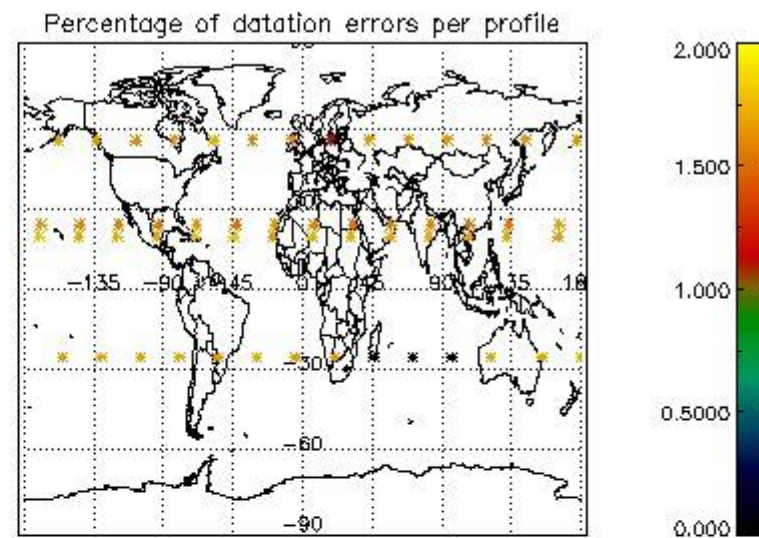
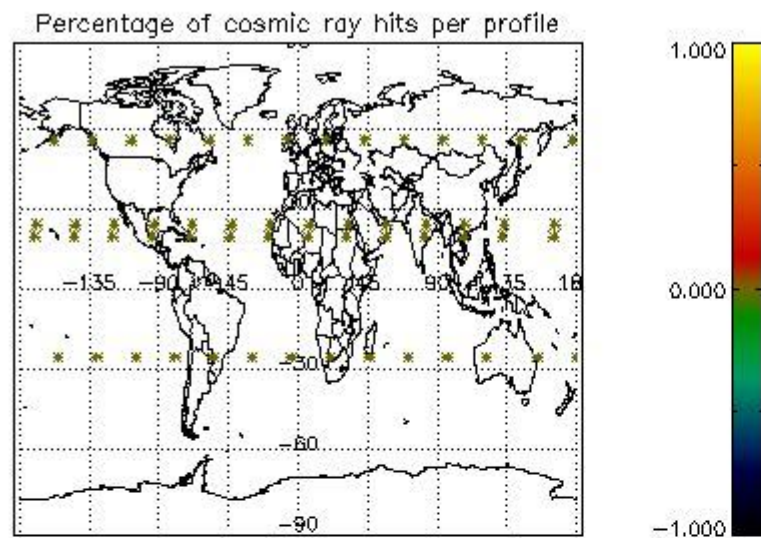
Percentage of star falling outside central band per profile



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

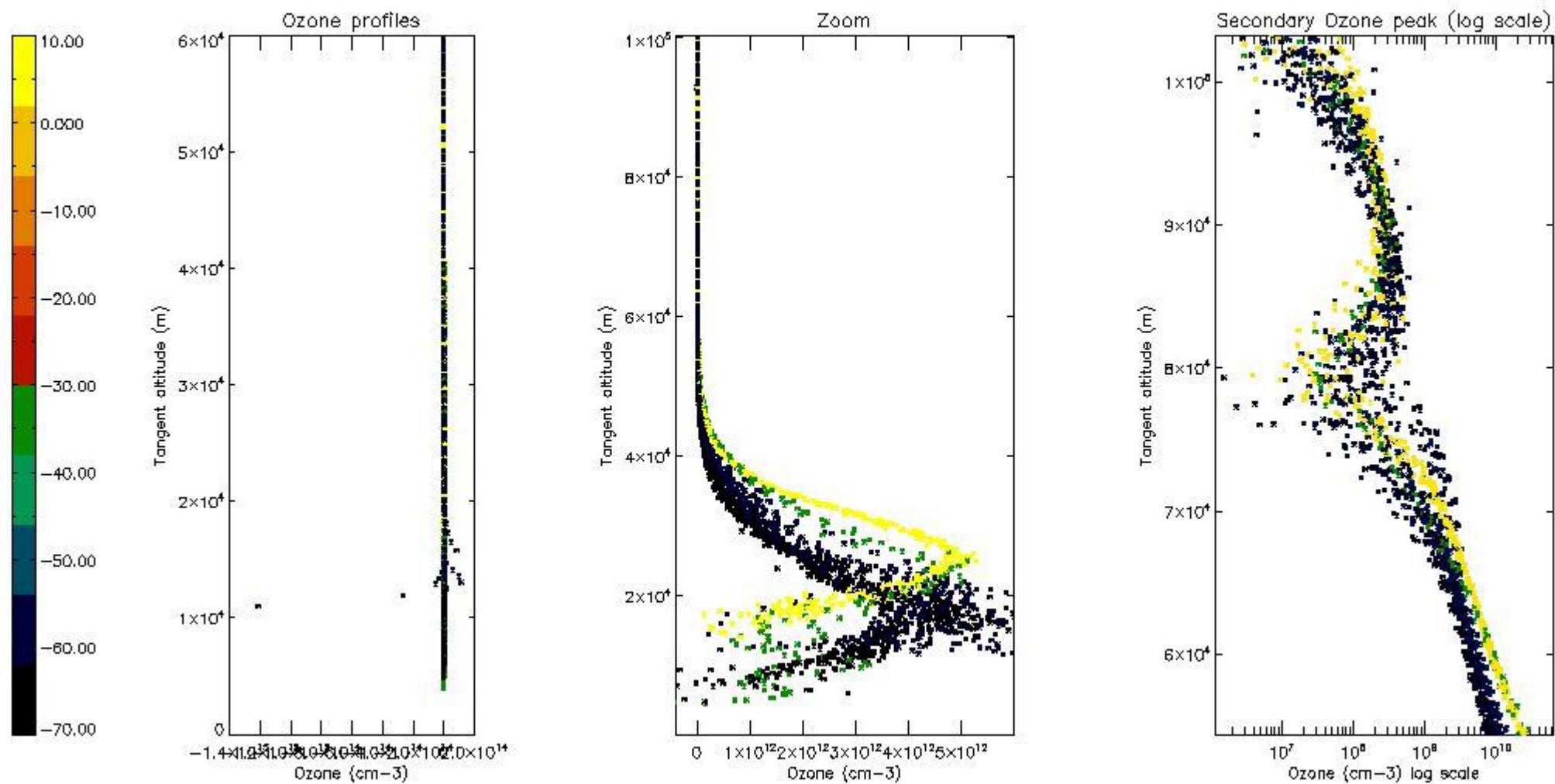
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	35
STD < 20	28

STD < 10	25
STD < 5	20

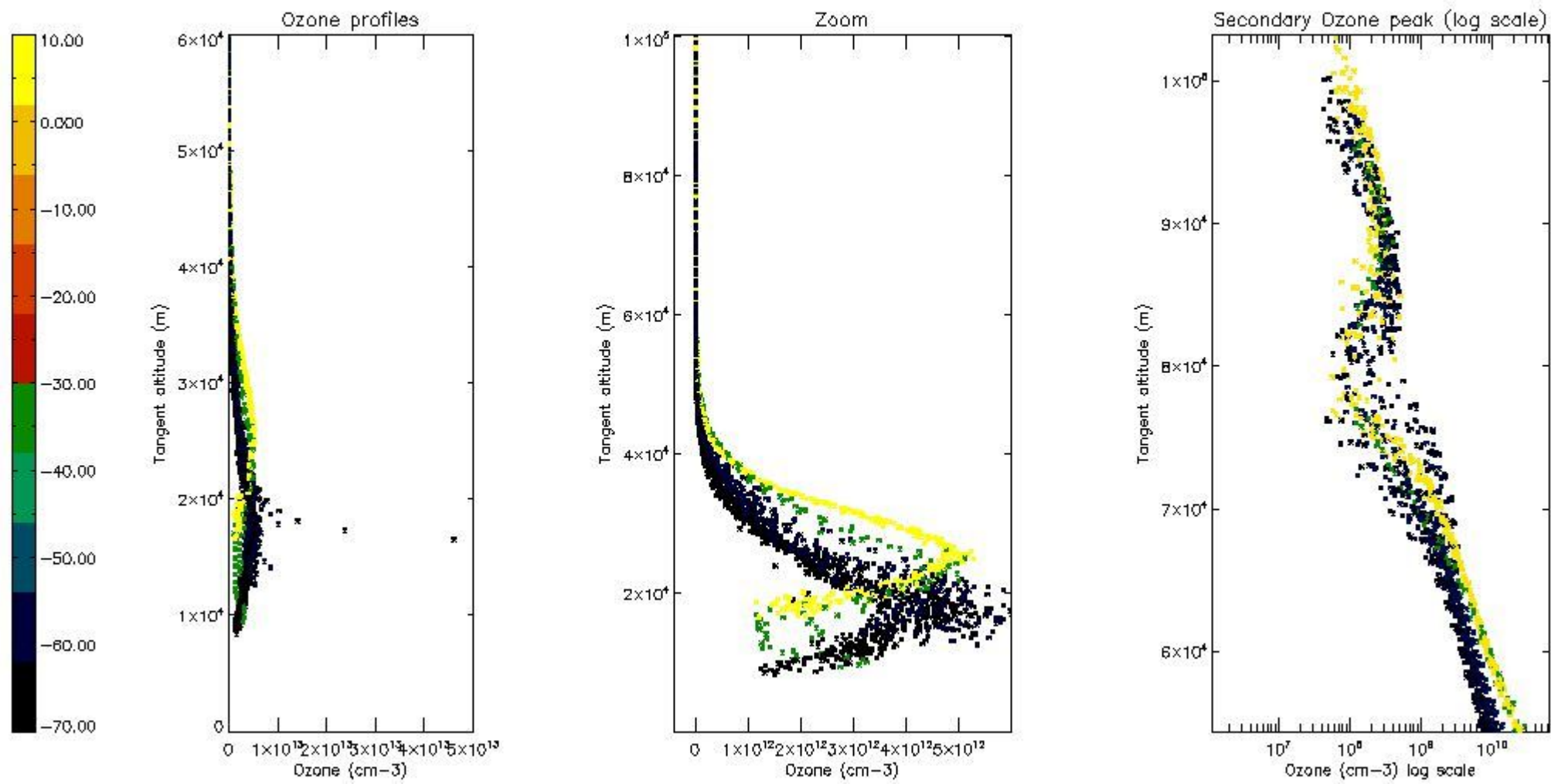
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



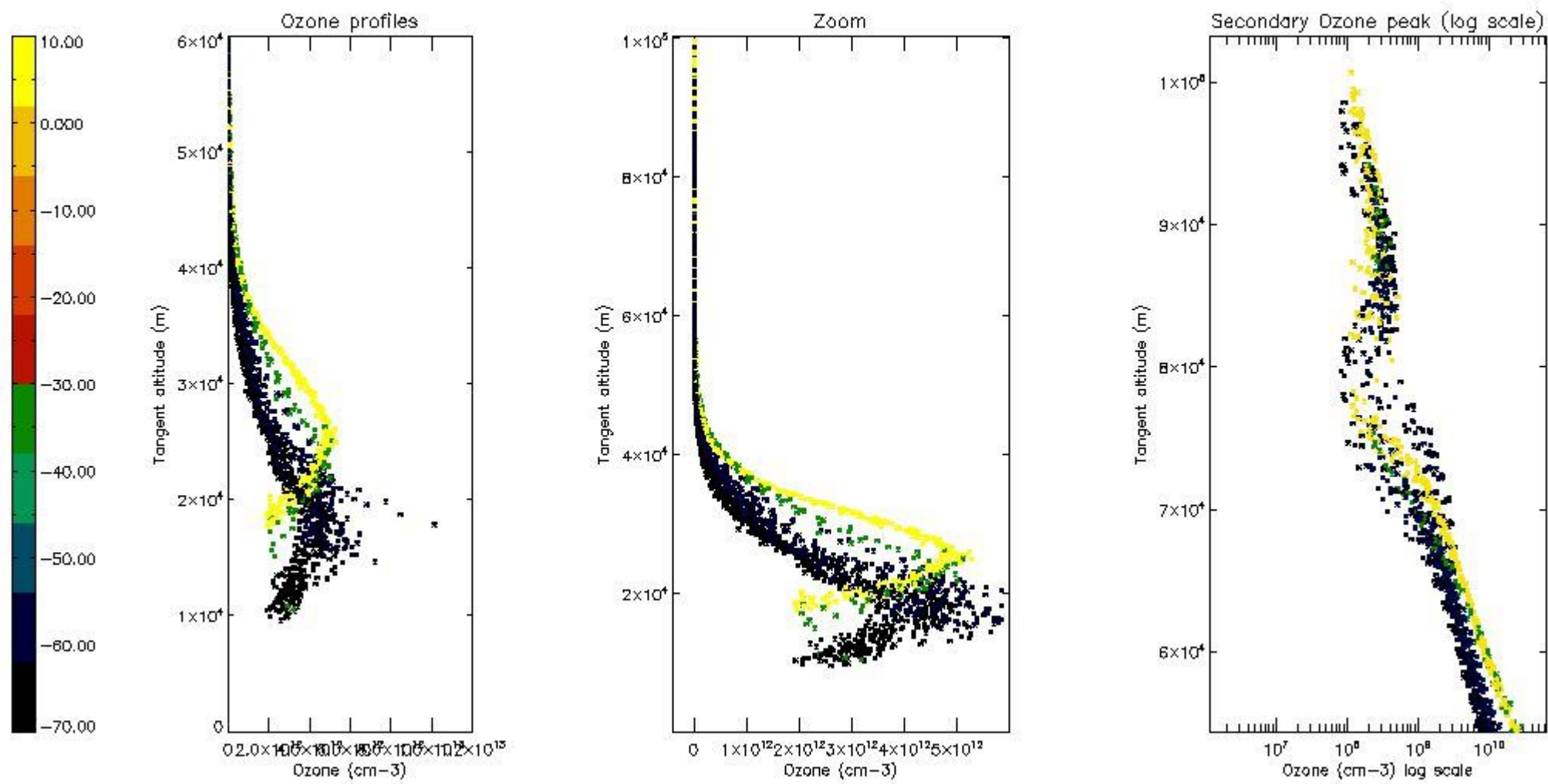
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



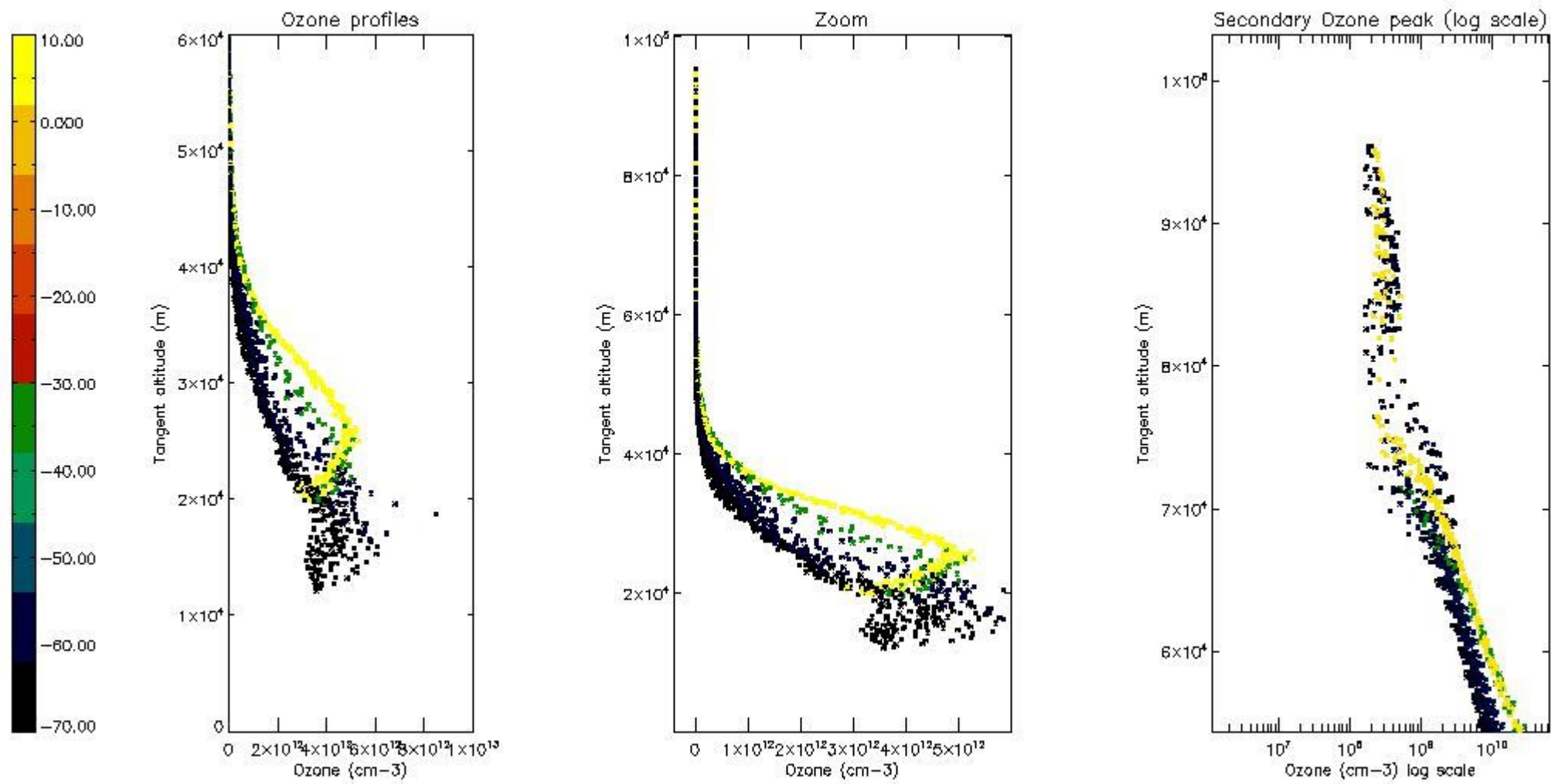
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



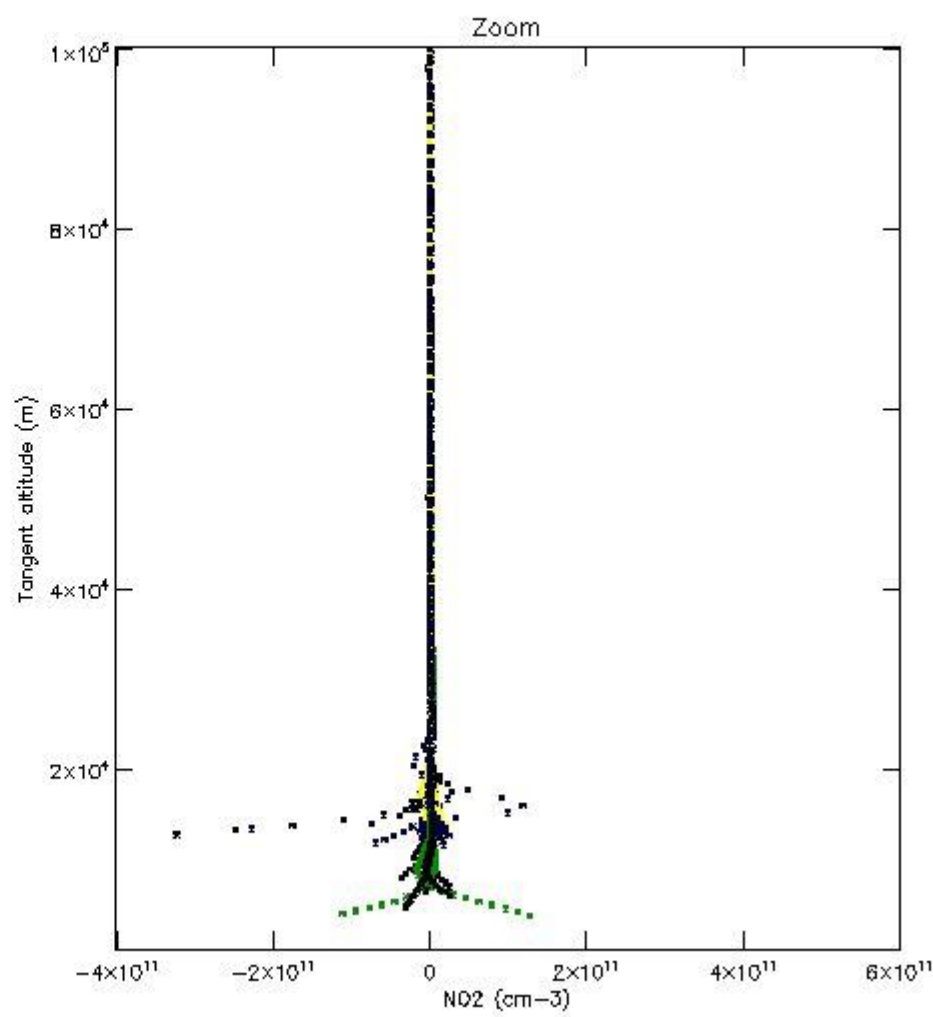
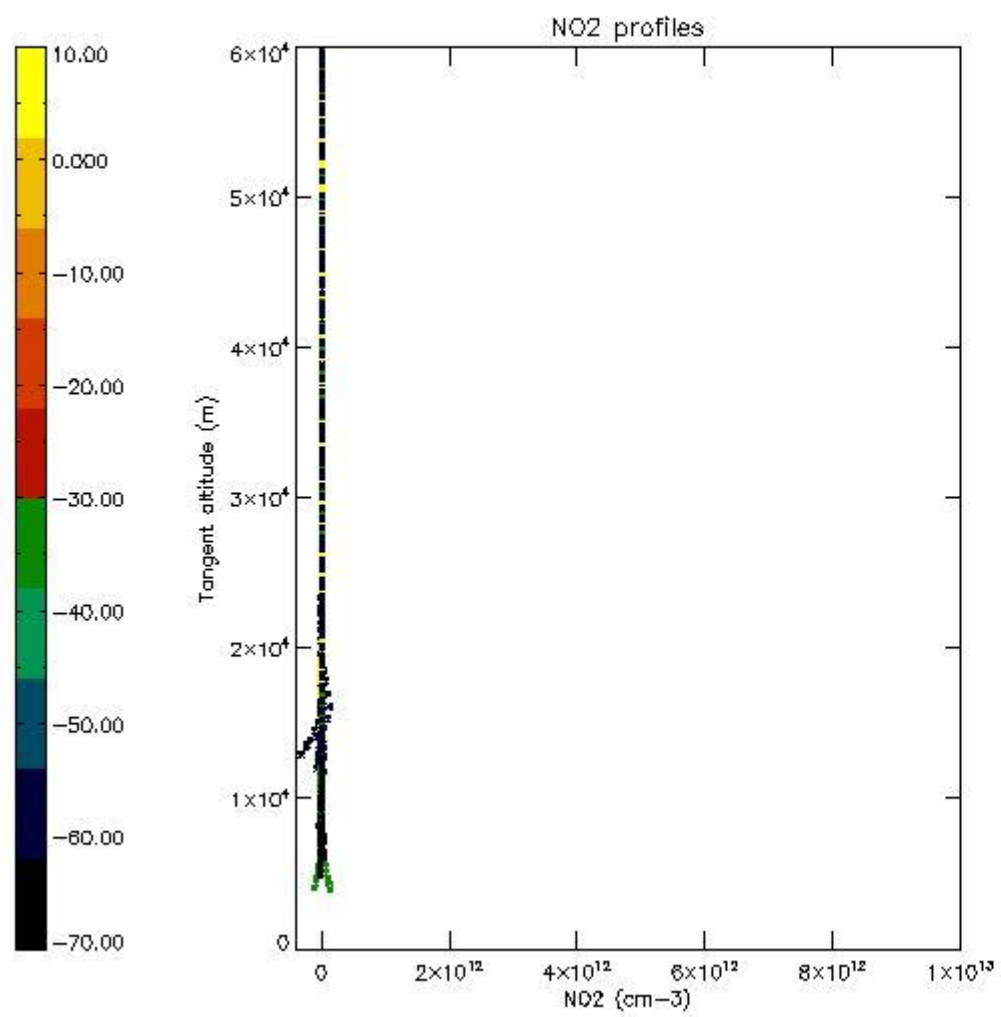
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



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

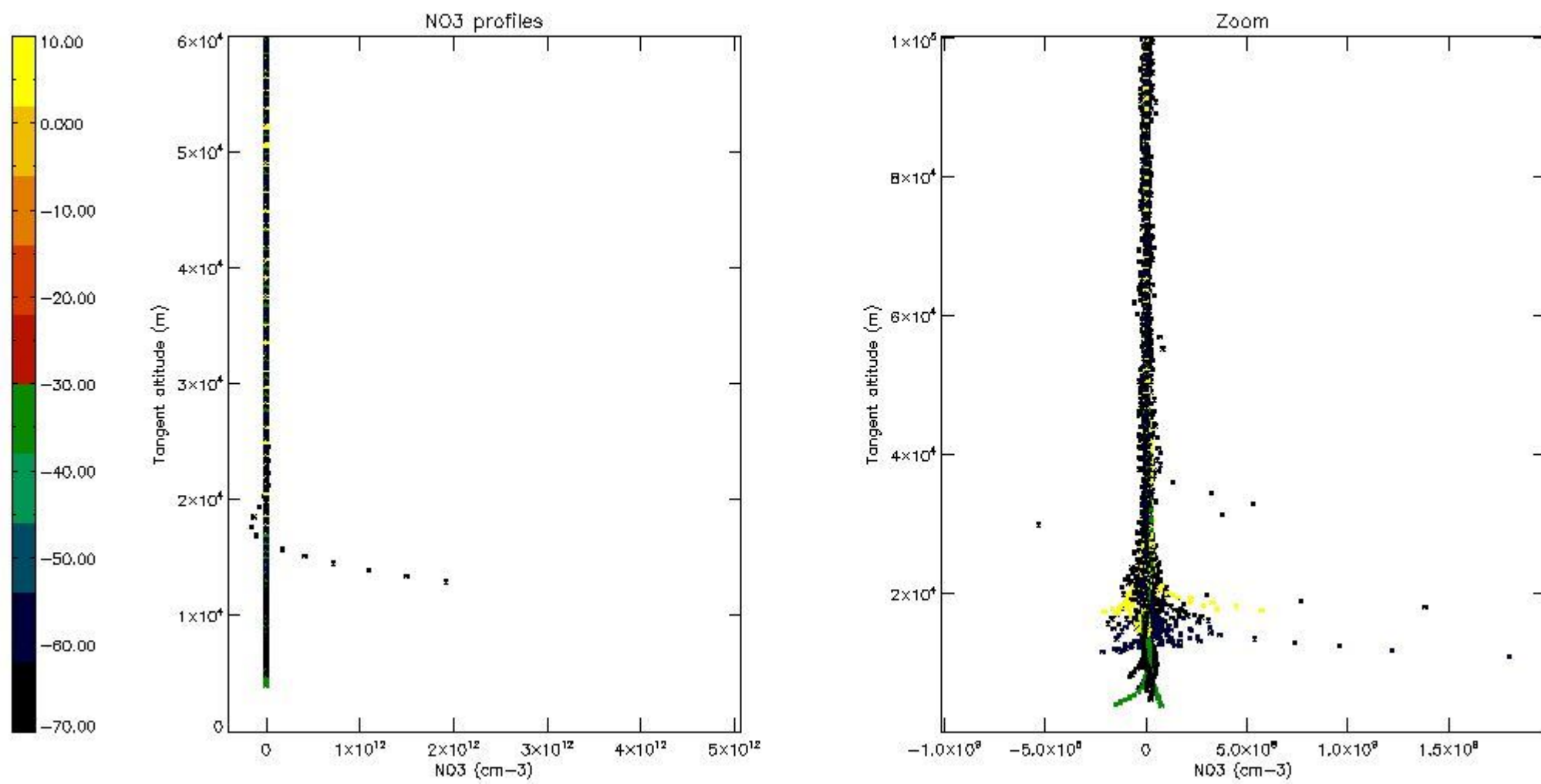
The colorbar represents the latitude.



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

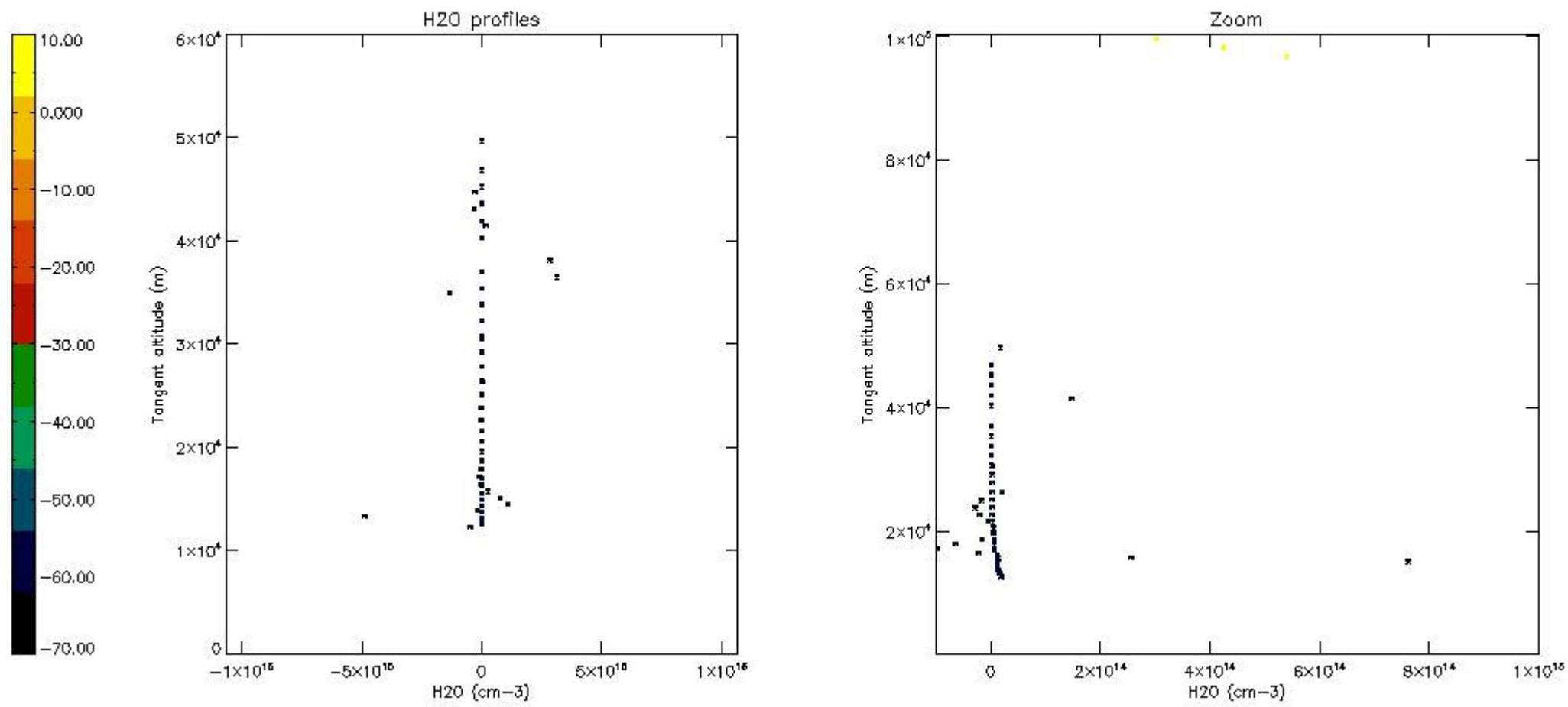
The colorbar represents the latitude.





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

The colorbar represents the latitude.



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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	15-AUG-2006 00:17:09
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	15-AUG-2006 00:17:09
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	15-AUG-2006 00:17:09

# GOMOS Level 2 Daily Report

## SUMMARY

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

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

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

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#### [5.5. Plot ozone profiles where STD < 5% \(dark without errors\)](#)

#### [5.6 Plot NO2 profiles for all STD \(dark without errors\)](#)

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#### [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 03:17:51
Data source version	GOMOS/6.01
Start time of products	15-08-2006 (15AUG2006 00:00:00)
Stop time of products	16-08-2006 (16AUG2006 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	191
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__2PRFIN20060815_001709_000000382050_00202_23302_1882.N1	15-AUG-2006 00:17:09	Twilight	38.000	151	13Mu Gem	2.8900	3000.0	76	23302	No
2	GOM_NL__2PRFIN20060815_001844_000000352050_00202_23302_1883.N1	15-AUG-2006 00:18:44	Twilight	34.500	44	24Gam Gem	1.9280	11000.	69	23302	No
3	GOM_NL__2PRFIN20060815_002751_000000432050_00202_23302_1884.N1	15-AUG-2006 00:27:51	Dark	42.500	1	9Alp CMa	-1.4400	11000.	85	23302	No
4	GOM_NL__2PRFIN20060815_002930_000000332050_00202_23302_1885.N1	15-AUG-2006 00:29:30	Dark	32.500	179	24Omi2CMa	3.0320	24000.	65	23302	No
5	GOM_NL__2PRFIN20060815_003057_000000362050_00202_23302_1886.N1	15-AUG-2006 00:30:57	Dark	35.500	23	21Eps CMa	1.5020	26000.	71	23302	No
6	GOM_NL__2PRFIN20060815_004807_000000382050_00203_23303_1876.N1	15-AUG-2006 00:48:07	Dark	38.000	9	Alp Eri	0.45300	24000.	76	23303	No
7	GOM_NL__2PRFIN20060815_005358_000000352050_00203_23303_1877.N1	15-AUG-2006 00:53:58	Straylight	35.000	148	Alp Tuc	2.8780	4100.0	70	23303	No
8	GOM_NL__2PRFIN20060815_005731_000000352050_00203_23303_1878.N1	15-AUG-2006 00:57:31	Straylight	34.500	31	Alp Gru	1.7340	15200.	69	23303	No
9	GOM_NL__2PRFIN20060815_010030_000000362050_00203_23303_1879.N1	15-AUG-2006 01:00:30	Straylight	36.000	172	Gam Gru	3.0030	13100.	72	23303	No
10	GOM_NL__2PRFIN20060815_011506_000000312050_00203_23303_1880.N1	15-AUG-2006 01:15:06	Bright	30.500	11	53Alp Aql	0.76500	8000.0	61	23303	No
11	GOM_NL__2PRFIN20060815_012403_000000332050_00203_23303_1881.N1	15-AUG-2006 01:24:03	Bright	32.500	66	37Gam Cyg	2.2080	5900.0	65	23303	No
12	GOM_NL__2PRFIN20060815_012518_000000302050_00203_23303_1882.N1	15-AUG-2006 01:25:18	Bright	29.500	144	18Del Cyg	2.8600	11000.	59	23303	No
13	GOM_NL__2PRFIN20060815_013801_000000302050_00203_23303_1883.N1	15-AUG-2006 01:38:01	Bright	29.500	49	1Alp UMi	1.9900	6300.0	59	23303	No
14	GOM_NL__2PRFIN20060815_015746_000000422050_00203_23303_1884.N1	15-AUG-2006 01:57:46	Twilight	42.000	151	13Mu Gem	2.8900	3000.0	84	23303	No
15	GOM_NL__2PRFIN20060815_015920_000000322050_00203_23303_1885.N1	15-AUG-2006 01:59:20	Twilight	32.000	44	24Gam Gem	1.9280	11000.	64	23303	No
16	GOM_NL__2PRFIN20060815_020827_000000422050_00203_23303_1886.N1	15-AUG-2006 02:08:27	Dark	41.500	1	9Alp CMa	-1.4400	11000.	83	23303	No
17	GOM_NL__2PRFIN20060815_021006_000000332050_00203_23303_1887.N1	15-AUG-2006 02:10:06	Dark	33.000	179	24Omi2CMa	3.0320	24000.	66	23303	No
18	GOM_NL__2PRFIN20060815_021133_000000372050_00203_23303_1888.N1	15-AUG-2006 02:11:33	Dark	36.500	23	21Eps CMa	1.5020	26000.	73	23303	No
19	GOM_NL__2PRFIN20060815_022843_000000392050_00204_23304_1877.N1	15-AUG-2006 02:28:43	Dark	38.500	9	Alp Eri	0.45300	24000.	77	23304	No
20	GOM_NL__2PRFIN20060815_023434_000000402050_00204_23304_1878.N1	15-AUG-2006 02:34:34	Straylight	40.000	148	Alp Tuc	2.8780	4100.0	80	23304	No
21	GOM_NL__2PRFIN20060815_023808_000000372050_00204_23304_1879.N1	15-AUG-2006 02:38:08	Straylight	36.500	31	Alp Gru	1.7340	15200.	73	23304	No
22	GOM_NL__2PRFIN20060815_024107_000000352050_00204_23304_1880.N1	15-AUG-2006 02:41:07	Straylight	34.500	172	Gam Gru	3.0030	13100.	69	23304	No
23	GOM_NL__2PRFIN20060815_025542_000000322050_00204_23304_1881.N1	15-AUG-2006 02:55:42	Bright	32.000	11	53Alp Aql	0.76500	8000.0	64	23304	No
24	GOM_NL__2PRFIN20060815_030439_000000332050_00204_23304_1882.N1	15-AUG-2006 03:04:39	Bright	33.000	66	37Gam Cyg	2.2080	5900.0	66	23304	No
25	GOM_NL__2PRFIN20060815_030554_000000302050_00204_23304_1883.N1	15-AUG-2006 03:05:54	Bright	29.500	144	18Del Cyg	2.8600	11000.	59	23304	No
26	GOM_NL__2PRFIN20060815_031837_000000292050_00204_23304_1884.N1	15-AUG-2006 03:18:37	Bright	28.500	49	1Alp UMi	1.9900	6300.0	57	23304	No
27	GOM_NL__2PRFIN20060815_033822_000000442050_00204_23304_1885.N1	15-AUG-2006 03:38:22	Twilight	43.500	151	13Mu Gem	2.8900	3000.0	87	23304	No
28	GOM_NL__2PRFIN20060815_033956_000000382050_00204_23304_1886.N1	15-AUG-2006 03:39:56	Twilight	37.500	44	24Gam Gem	1.9280	11000.	75	23304	No
29	GOM_NL__2PRFIN20060815_034903_000000402050_00204_23304_1887.N1	15-AUG-2006 03:49:03	Dark	39.500	1	9Alp CMa	-1.4400	11000.	79	23304	No
30	GOM_NL__2PRFIN20060815_035042_000000312050_00204_23304_1888.N1	15-AUG-2006 03:50:42	Dark	31.000	179	24Omi2CMa	3.0320	24000.	62	23304	No
31	GOM_NL__2PRFIN20060815_035209_000000332050_00204_23304_1889.N1	15-AUG-2006 03:52:09	Dark	32.500	23	21Eps CMa	1.5020	26000.	65	23304	No
32	GOM_NL__2PRFIN20060815_040920_000000372050_00205_23305_1878.N1	15-AUG-2006 04:09:20	Dark	37.000	9	Alp Eri	0.45300	24000.	74	23305	No
33	GOM_NL__2PRFIN20060815_041511_000000352050_00205_23305_1879.N1	15-AUG-2006 04:15:11	Straylight	35.000	148	Alp Tuc	2.8780	4100.0	70	23305	No
34	GOM_NL__2PRFIN20060815_041844_000000362050_00205_23305_1880.N1	15-AUG-2006 04:18:44	Straylight	35.500	31	Alp Gru	1.7340	15200.	71	23305	No
35	GOM_NL__2PRFIN20060815_042143_000000352050_00205_23305_1881.N1	15-AUG-2006 04:21:43	Straylight	34.500	172	Gam Gru	3.0030	13100.	69	23305	No
36	GOM_NL__2PRFIN20060815_043618_000000312050_00205_23305_1882.N1	15-AUG-2006 04:36:18	Bright	30.500	11	53Alp Aql	0.76500	8000.0	61	23305	No
37	GOM_NL__2PRFIN20060815_044515_000000322050_00205_23305_1883.N1	15-AUG-2006 04:45:15	Bright	31.500	66	37Gam Cyg	2.2080	5900.0	63	23305	No
38	GOM_NL__2PRFIN20060815_044630_000000302050_00205_23305_1884.N1	15-AUG-2006 04:46:30	Bright	29.500	144	18Del Cyg	2.8600	11000.	59	23305	No
39	GOM_NL__2PRFIN20060815_045913_000000292050_00205_23305_1885.N1	15-AUG-2006 04:59:13	Bright	29.000	49	1Alp UMi	1.9900	6300.0	58	23305	No
40	GOM_NL__2PRFIN20060815_051858_000000402050_00205_23305_1886.N1	15-AUG-2006 05:18:58	Twilight	40.000	151	13Mu Gem	2.8900	3000.0	80	23305	No
41	GOM_NL__2PRFIN20060815_052033_000000382050_00205_23305_1887.N1	15-AUG-2006 05:20:33	Twilight	37.500	44	24Gam Gem	1.9280	11000.	75	23305	No
42	GOM_NL__2PRFIN20060815_052939_000000382050_00205_23305_1888.N1	15-AUG-2006 05:29:39	Dark	38.000	1	9Alp CMa	-1.4400	11000.	76	23305	No



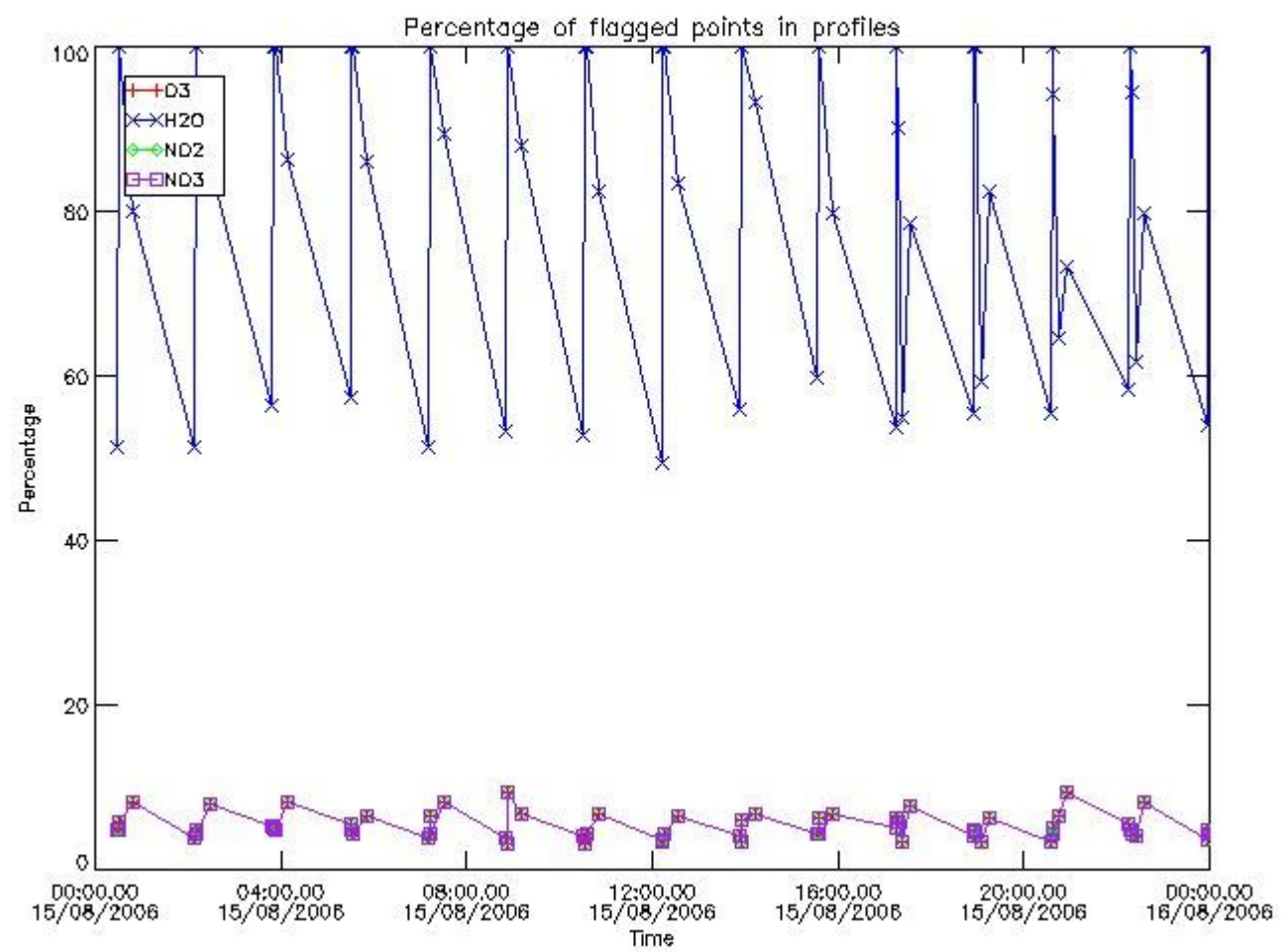


161	GOM_NL__2PRFIN20060815_203506_000000472050_00214_23314_0763.N1	15-AUG-2006 20:35:06	Dark	46.500	1	9Alp CMa	-1.4400	11000.	93	23314	No
162	GOM_NL__2PRFIN20060815_203644_000000312050_00214_23314_0764.N1	15-AUG-2006 20:36:44	Dark	31.000	179	24Omi2CMa	3.0320	24000.	62	23314	No
163	GOM_NL__2PRFIN20060815_203811_000000352050_00214_23314_0765.N1	15-AUG-2006 20:38:11	Dark	35.000	23	21Eps CMa	1.5020	26000.	70	23314	No
164	GOM_NL__2PRFIN20060815_204501_000000322050_00214_23314_0766.N1	15-AUG-2006 20:45:01	Dark	31.500	2	Alp Car	-0.73600	7000.0	63	23314	No
165	GOM_NL__2PRFIN20060815_205527_000000382050_00215_23315_0753.N1	15-AUG-2006 20:55:27	Dark	38.000	9	Alp Eri	0.45300	24000.	76	23315	No
166	GOM_NL__2PRFIN20060815_210114_000000332050_00215_23315_0754.N1	15-AUG-2006 21:01:14	Straylight	33.000	148	Alp Tuc	2.8780	4100.0	66	23315	No
167	GOM_NL__2PRFIN20060815_210447_000000372050_00215_23315_0755.N1	15-AUG-2006 21:04:47	Straylight	36.500	31	Alp Gru	1.7340	15200.	73	23315	No
168	GOM_NL__2PRFIN20060815_210746_000000352050_00215_23315_0756.N1	15-AUG-2006 21:07:46	Straylight	34.500	172	Gam Gru	3.0030	13100.	69	23315	No
169	GOM_NL__2PRFIN20060815_212219_000000302050_00215_23315_0757.N1	15-AUG-2006 21:22:19	Bright	29.500	11	53Alp Aql	0.76500	8000.0	59	23315	No
170	GOM_NL__2PRFIN20060815_213113_000000312050_00215_23315_0758.N1	15-AUG-2006 21:31:13	Bright	30.500	66	37Gam Cyg	2.2080	5900.0	61	23315	No
171	GOM_NL__2PRFIN20060815_213229_000000282050_00215_23315_0759.N1	15-AUG-2006 21:32:29	Bright	28.000	144	18Del Cyg	2.8600	11000.	56	23315	No
172	GOM_NL__2PRFIN20060815_214513_000000302050_00215_23315_0760.N1	15-AUG-2006 21:45:13	Bright	29.500	49	1Alp UMi	1.9900	6300.0	59	23315	No
173	GOM_NL__2PRFIN20060815_220459_000000402050_00215_23315_0761.N1	15-AUG-2006 22:04:59	Twilight_stray	40.000	151	13Mu Gem	2.8900	3000.0	80	23315	No
174	GOM_NL__2PRFIN20060815_220634_000000352050_00215_23315_0762.N1	15-AUG-2006 22:06:34	Twilight_stray	34.500	44	24Gam Gem	1.9280	11000.	69	23315	No
175	GOM_NL__2PRFIN20060815_221542_000000372050_00215_23315_0763.N1	15-AUG-2006 22:15:42	Dark	36.500	1	9Alp CMa	-1.4400	11000.	73	23315	No
176	GOM_NL__2PRFIN20060815_221720_000000332050_00215_23315_0764.N1	15-AUG-2006 22:17:20	Dark	32.500	179	24Omi2CMa	3.0320	24000.	65	23315	No
177	GOM_NL__2PRFIN20060815_221847_000000372050_00215_23315_0765.N1	15-AUG-2006 22:18:47	Dark	36.500	23	21Eps CMa	1.5020	26000.	73	23315	No
178	GOM_NL__2PRFIN20060815_222537_000000372050_00215_23315_0766.N1	15-AUG-2006 22:25:37	Dark	37.000	2	Alp Car	-0.73600	7000.0	74	23315	No
179	GOM_NL__2PRFIN20060815_223603_000000382050_00216_23316_0755.N1	15-AUG-2006 22:36:03	Dark	37.500	9	Alp Eri	0.45300	24000.	75	23316	No
180	GOM_NL__2PRFIN20060815_224150_000000332050_00216_23316_0756.N1	15-AUG-2006 22:41:50	Straylight	32.500	148	Alp Tuc	2.8780	4100.0	65	23316	No
181	GOM_NL__2PRFIN20060815_224523_000000332050_00216_23316_0757.N1	15-AUG-2006 22:45:23	Straylight	33.000	31	Alp Gru	1.7340	15200.	66	23316	No
182	GOM_NL__2PRFIN20060815_224822_000000352050_00216_23316_0758.N1	15-AUG-2006 22:48:22	Straylight	34.500	172	Gam Gru	3.0030	13100.	69	23316	No
183	GOM_NL__2PRFIN20060815_230255_000000312050_00216_23316_0759.N1	15-AUG-2006 23:02:55	Bright	30.500	11	53Alp Aql	0.76500	8000.0	61	23316	No
184	GOM_NL__2PRFIN20060815_231149_000000302050_00216_23316_0760.N1	15-AUG-2006 23:11:49	Bright	29.500	66	37Gam Cyg	2.2080	5900.0	59	23316	No
185	GOM_NL__2PRFIN20060815_231305_000000302050_00216_23316_0761.N1	15-AUG-2006 23:13:05	Bright	30.000	144	18Del Cyg	2.8600	11000.	60	23316	No
186	GOM_NL__2PRFIN20060815_232548_000000302050_00216_23316_0762.N1	15-AUG-2006 23:25:48	Bright	29.500	49	1Alp UMi	1.9900	6300.0	59	23316	No
187	GOM_NL__2PRFIN20060815_234535_000000432050_00216_23316_0763.N1	15-AUG-2006 23:45:35	Twilight_stray	43.000	151	13Mu Gem	2.8900	3000.0	86	23316	No
188	GOM_NL__2PRFIN20060815_234711_000000352050_00216_23316_0764.N1	15-AUG-2006 23:47:11	Twilight_stray	34.500	44	24Gam Gem	1.9280	11000.	69	23316	No
189	GOM_NL__2PRFIN20060815_235618_000000442050_00216_23316_0765.N1	15-AUG-2006 23:56:18	Dark	44.000	1	9Alp CMa	-1.4400	11000.	88	23316	No
190	GOM_NL__2PRFIN20060815_235756_000000322050_00216_23316_0766.N1	15-AUG-2006 23:57:56	Dark	31.500	179	24Omi2CMa	3.0320	24000.	63	23316	No
191	GOM_NL__2PRFIN20060815_235923_000000352050_00216_23316_0767.N1	15-AUG-2006 23:59:23	Dark	35.000	23	21Eps CMa	1.5020	26000.	70	23316	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.

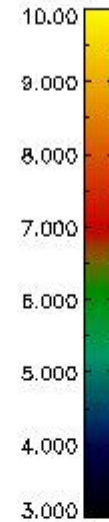
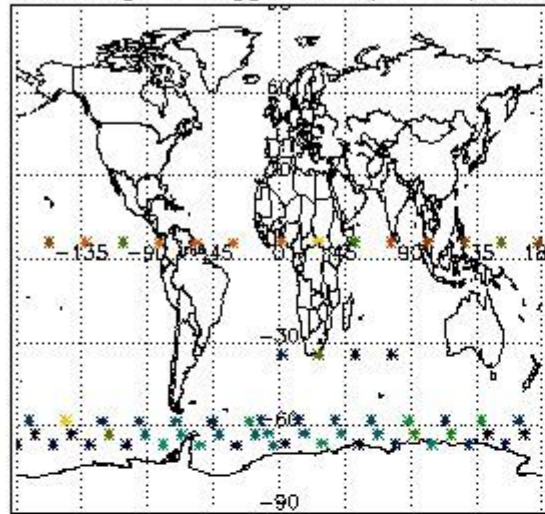
#### 3.1 Plot quality information per product (time dependant)



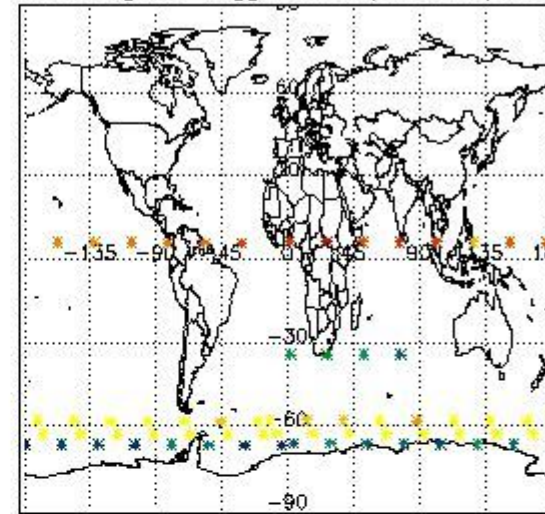
*3.2 Plot quality information per product (world map)*



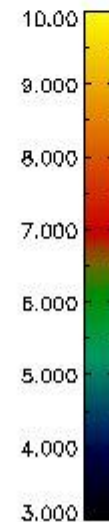
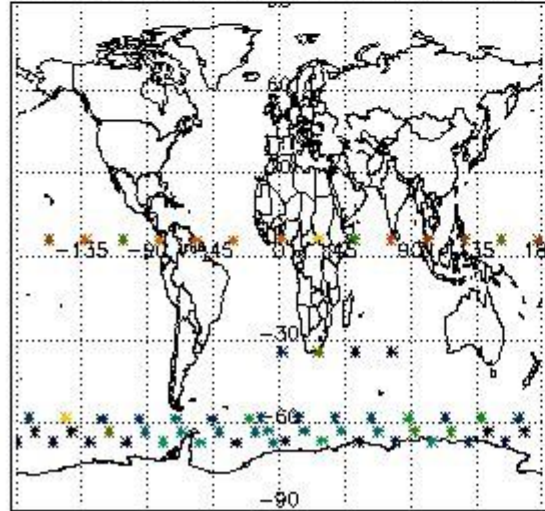
Percentage of flagged data per O3 profile



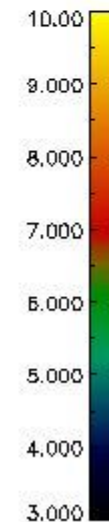
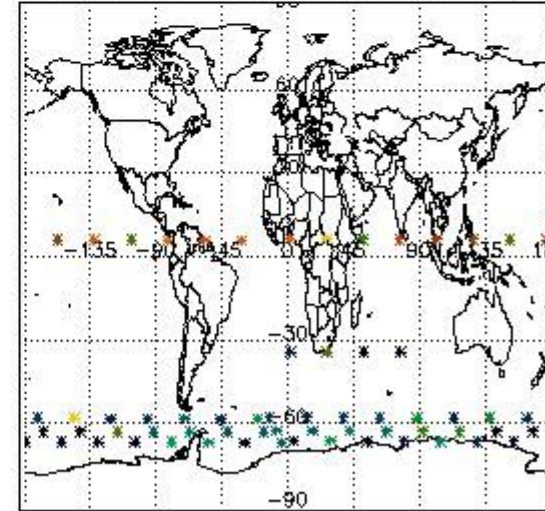
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

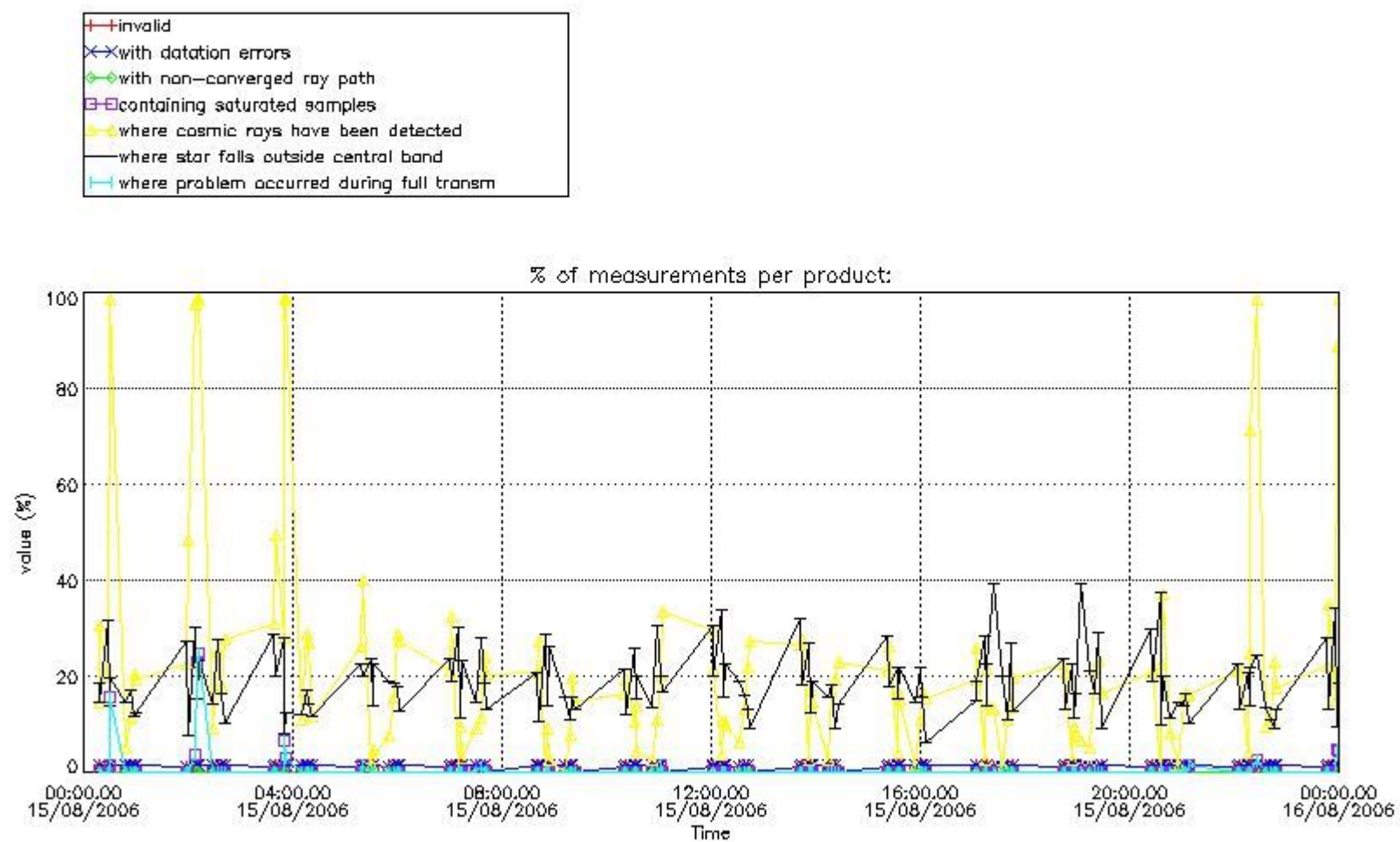


#### 4. Level 1 quality information per product

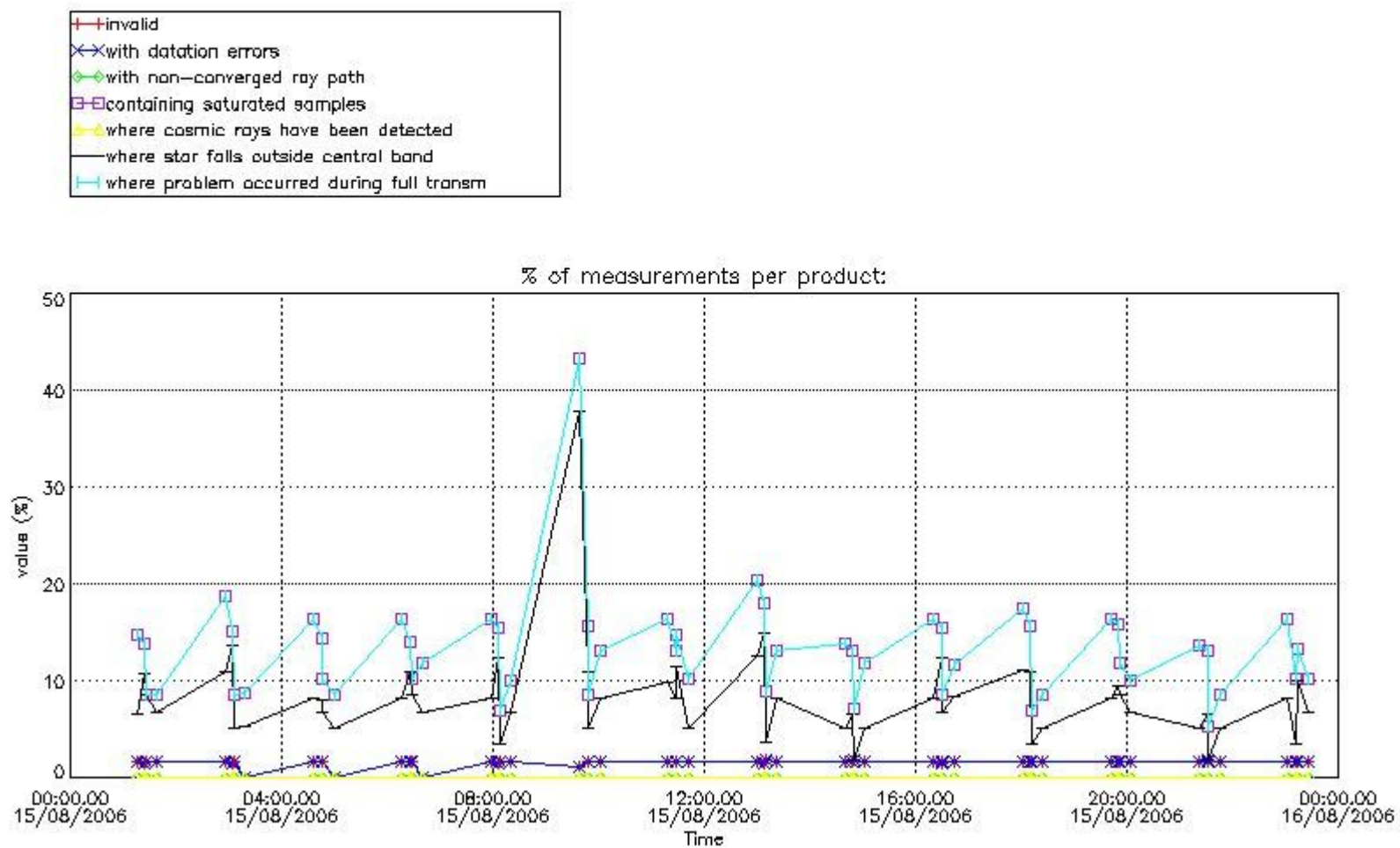
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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



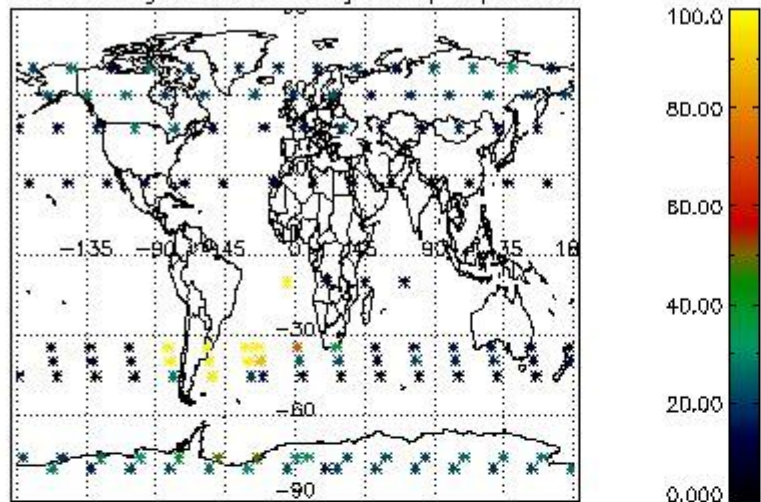
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



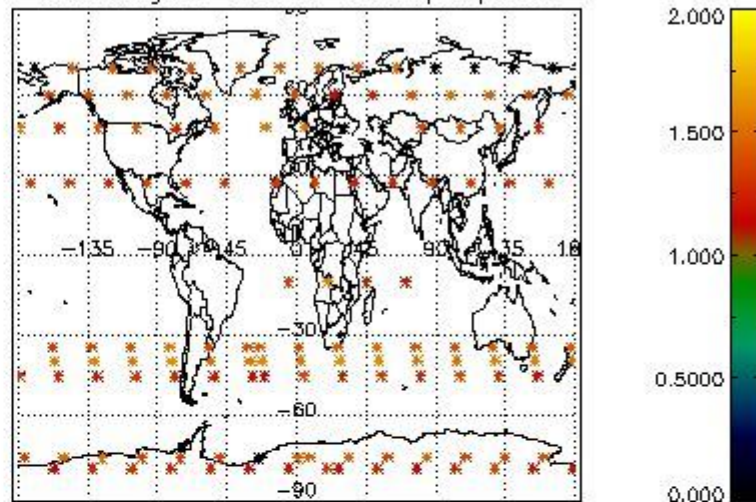
4.2 Plot quality information per product coming from level 1b processing (world map)

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

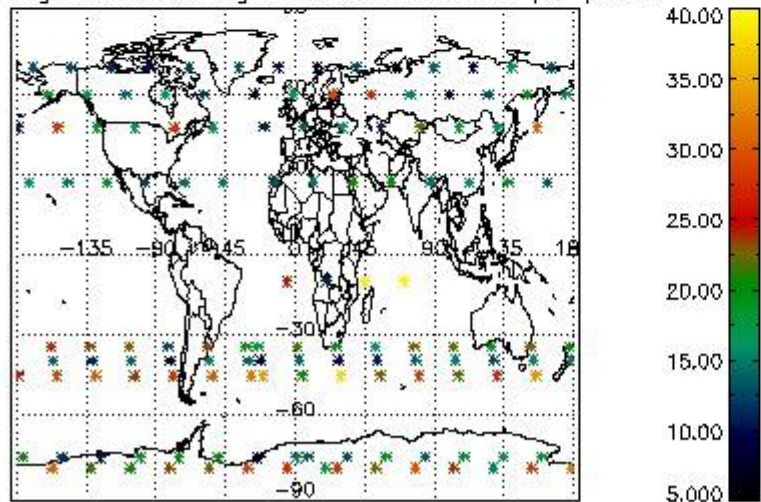
Percentage of cosmic ray hits per profile



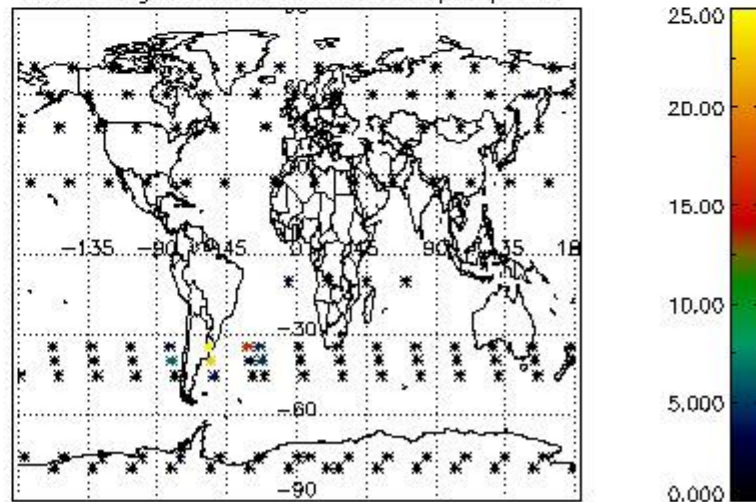
Percentage of datation errors per profile



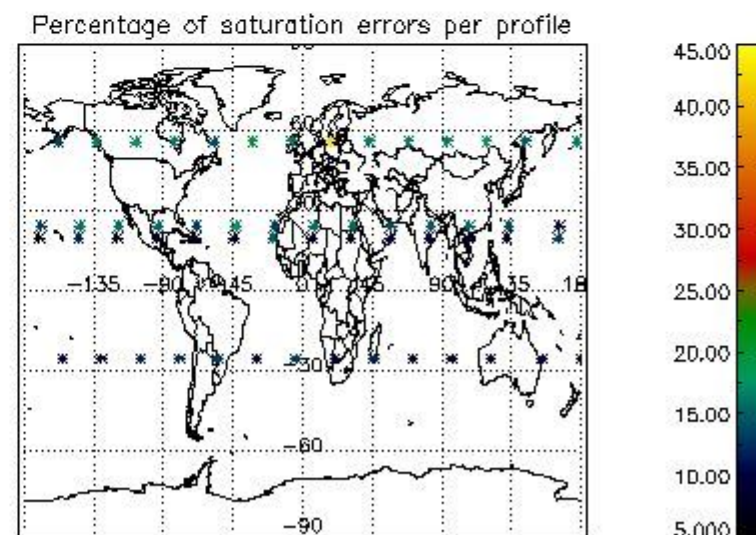
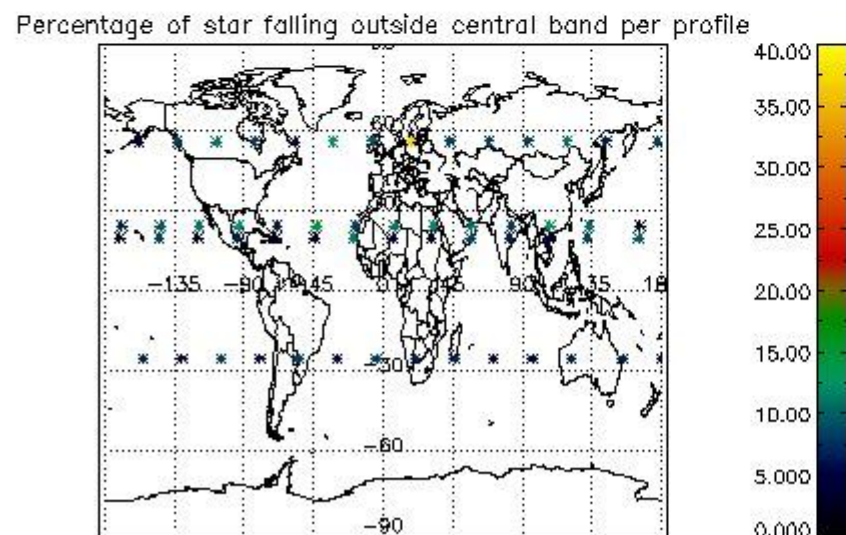
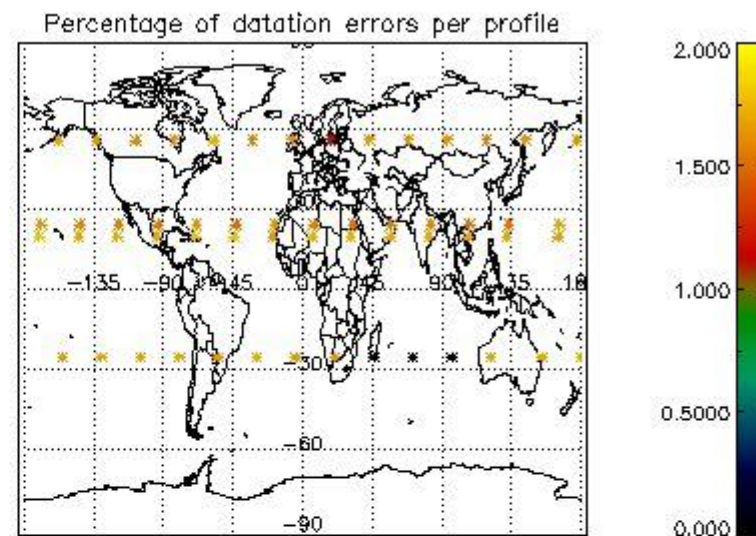
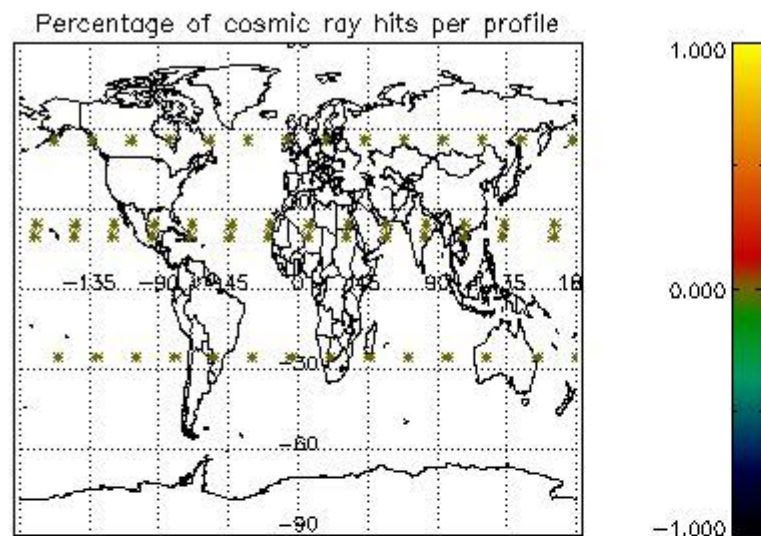
Percentage of star falling outside central band per profile



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

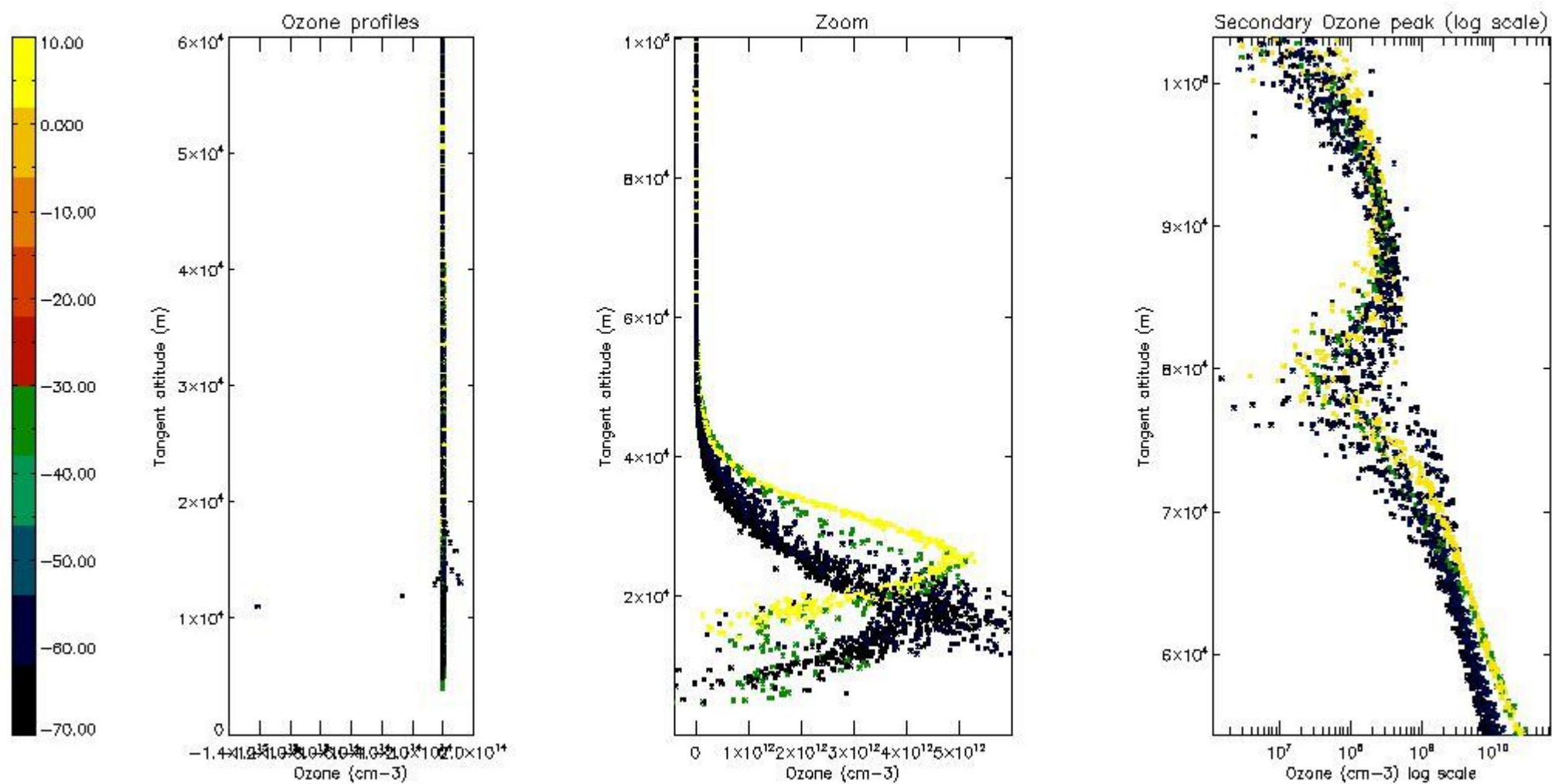
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	35
STD < 20	28

STD < 10	25
STD < 5	20

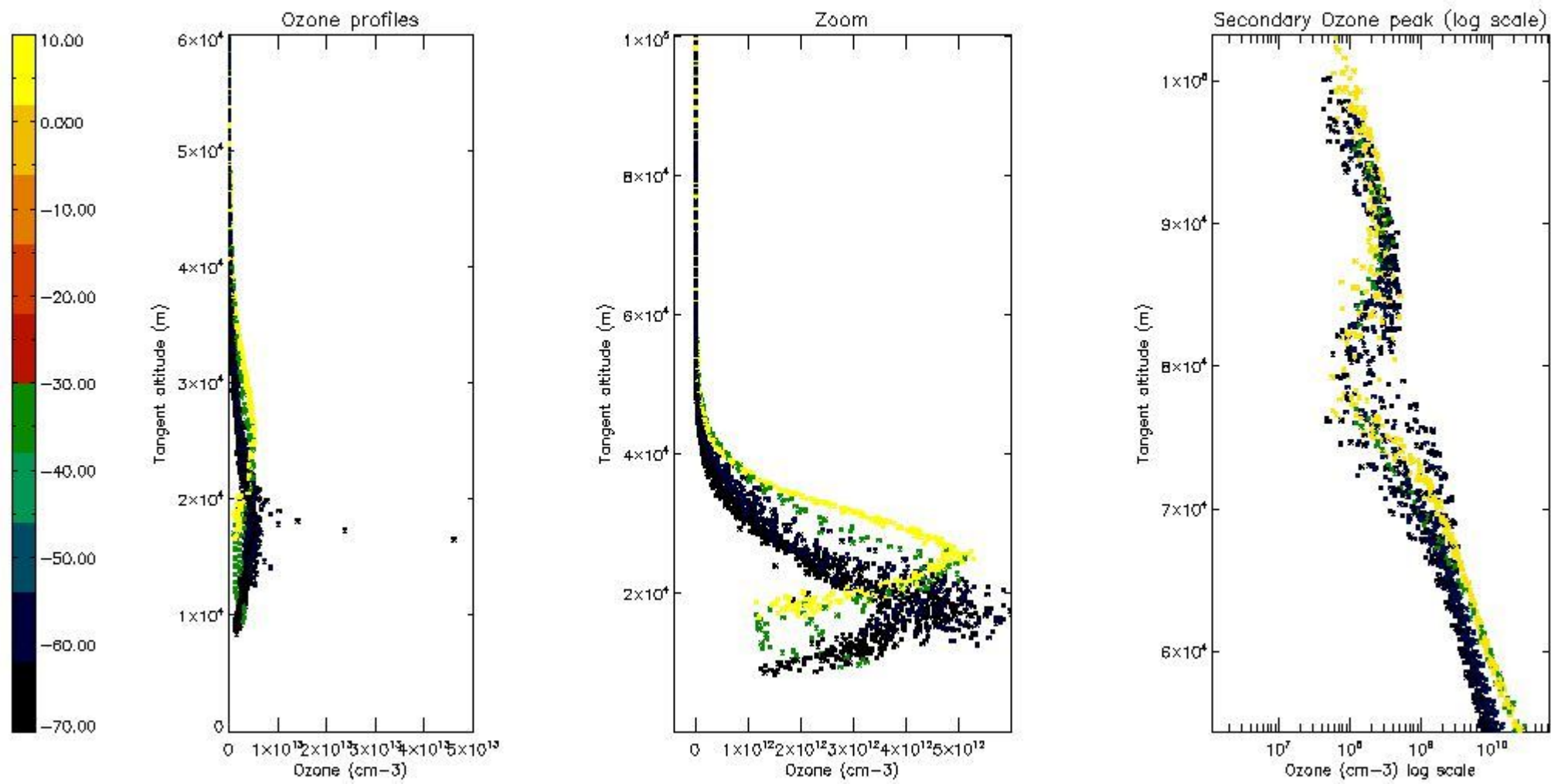
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



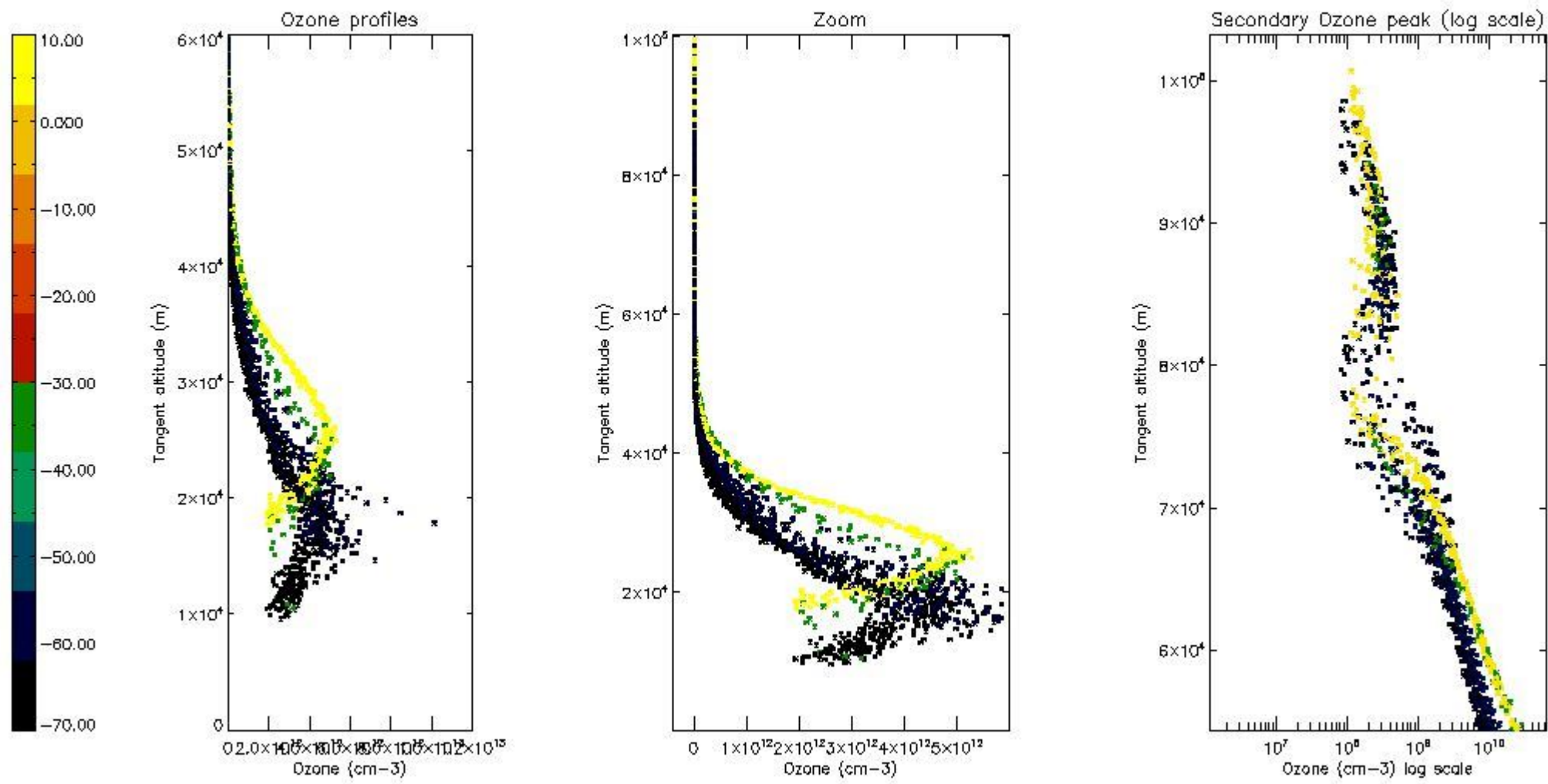
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



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

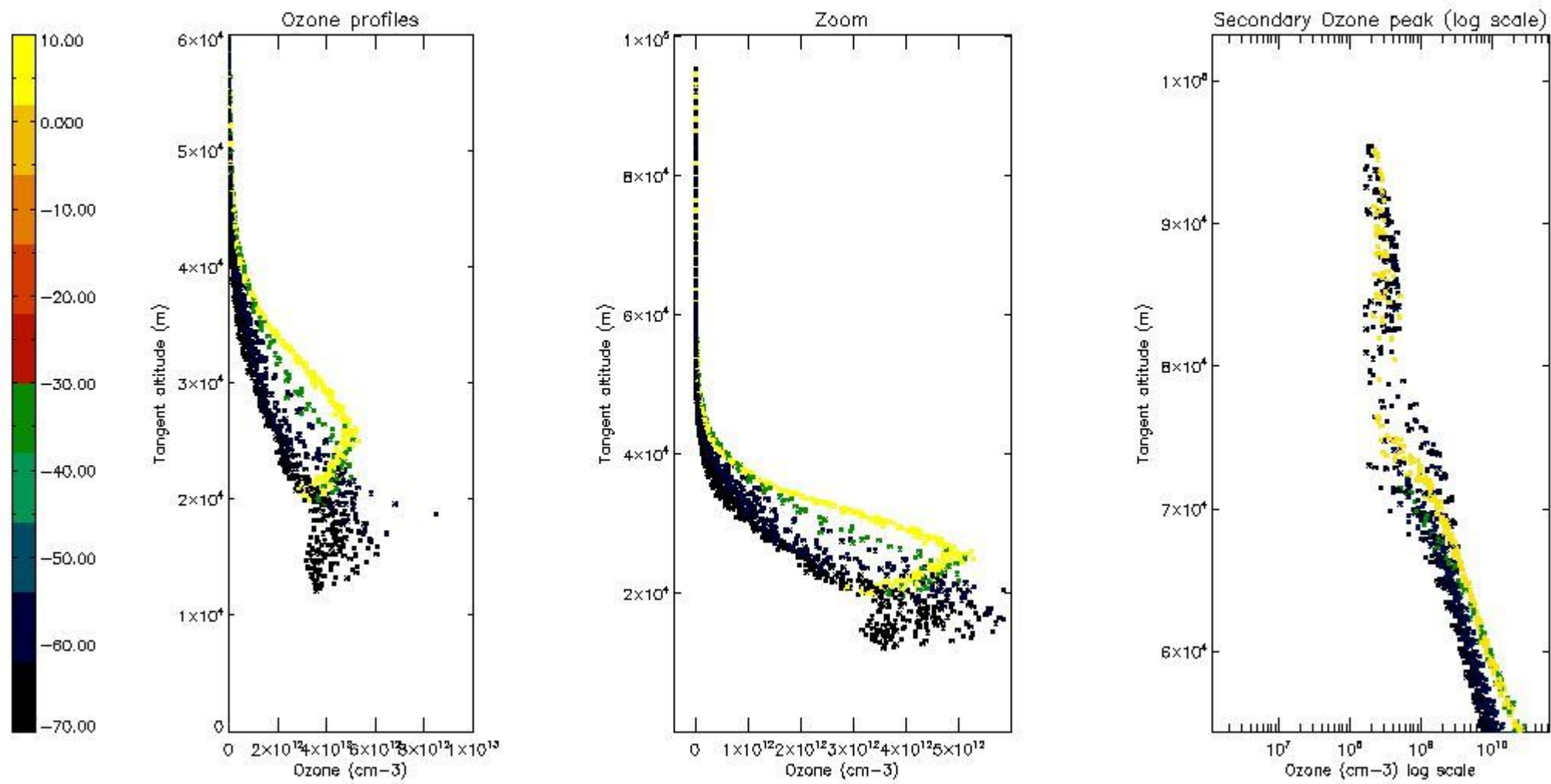
The colorbar represents the latitude.



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

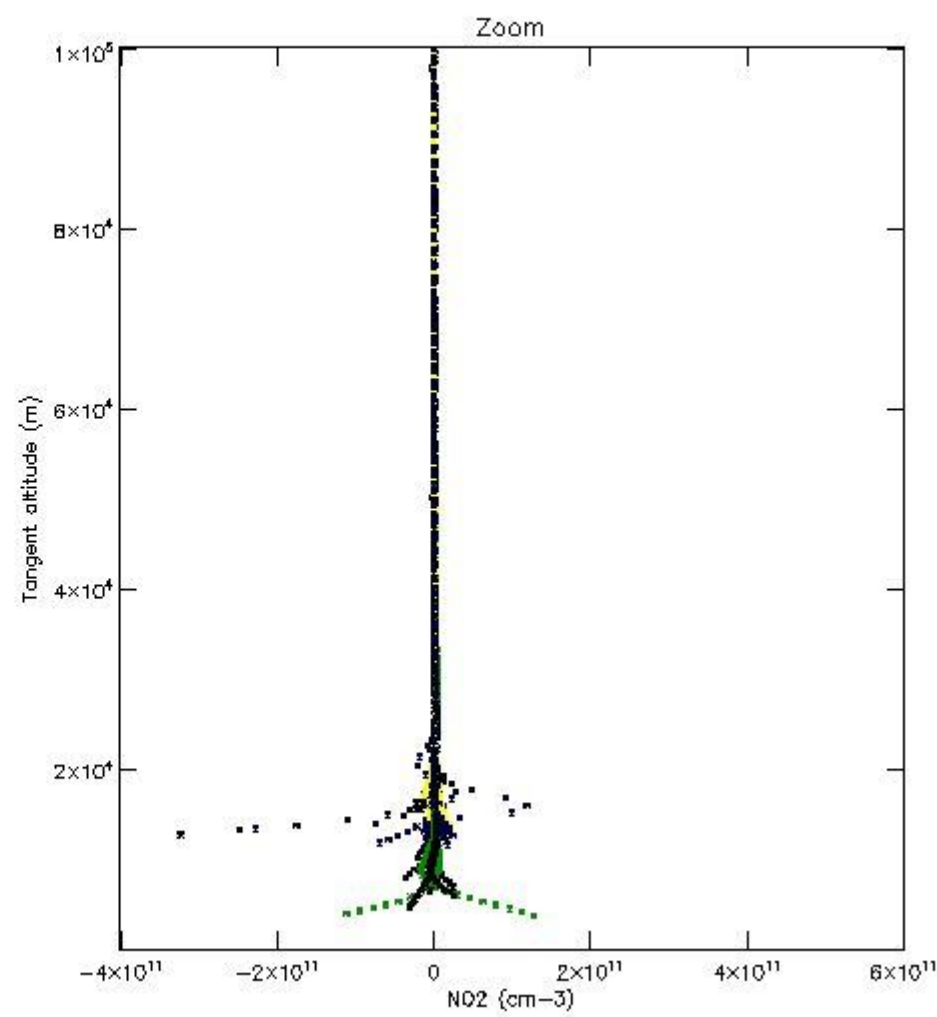
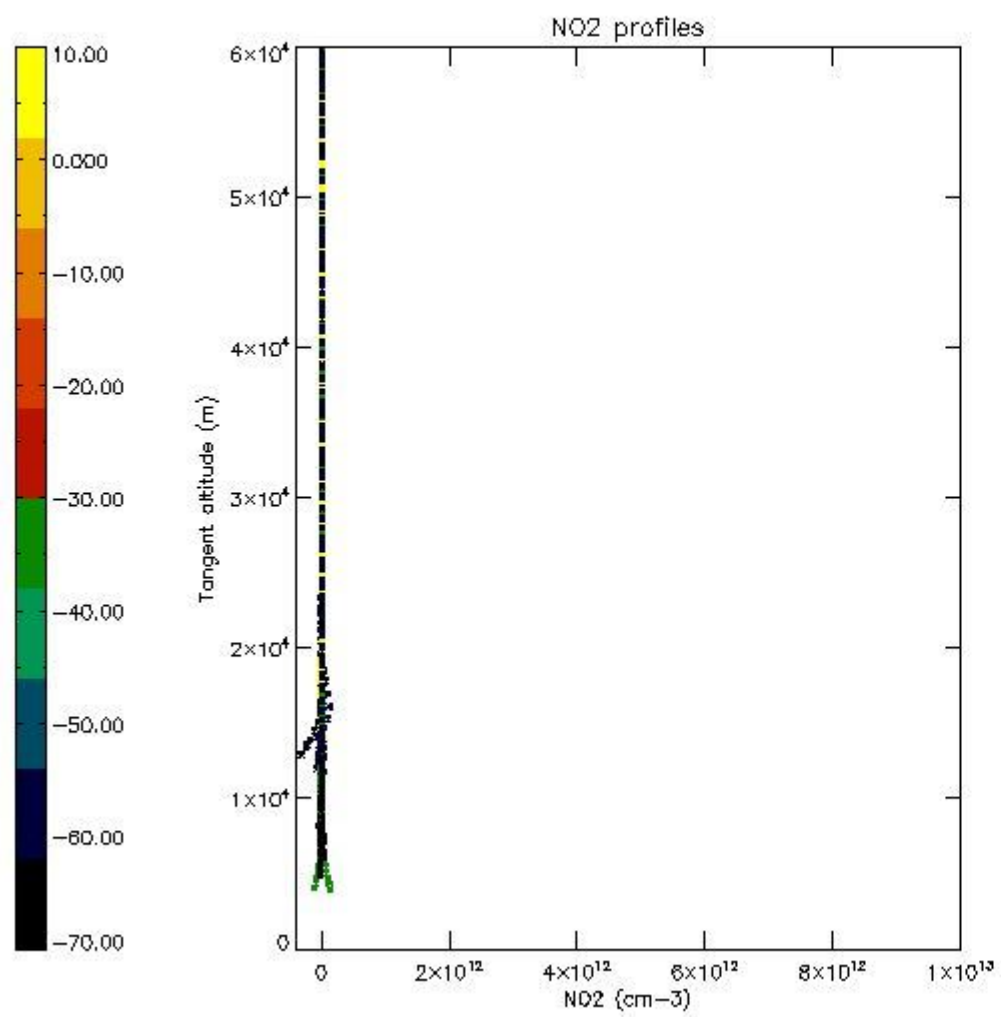
The colorbar represents the latitude.





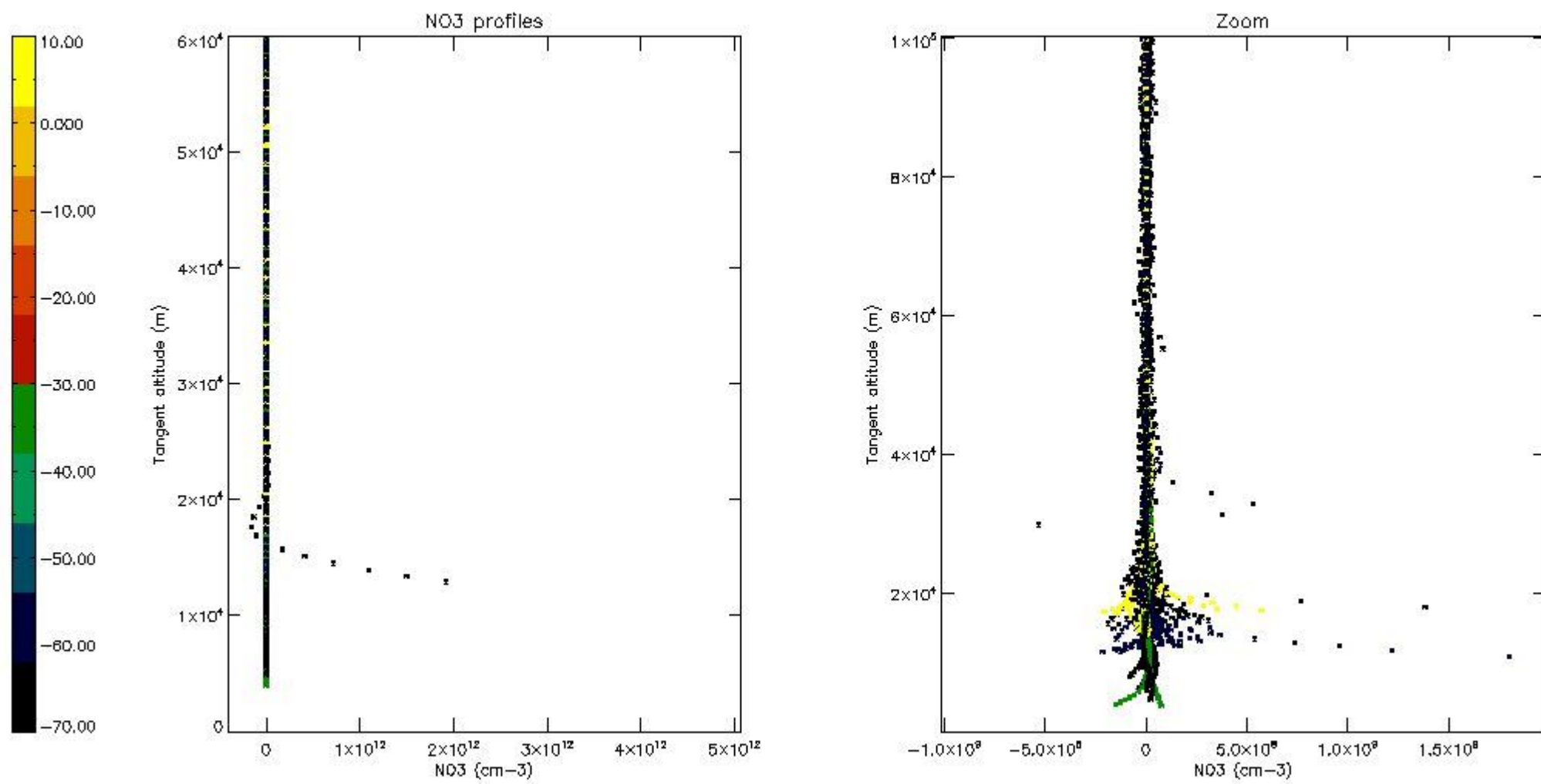
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



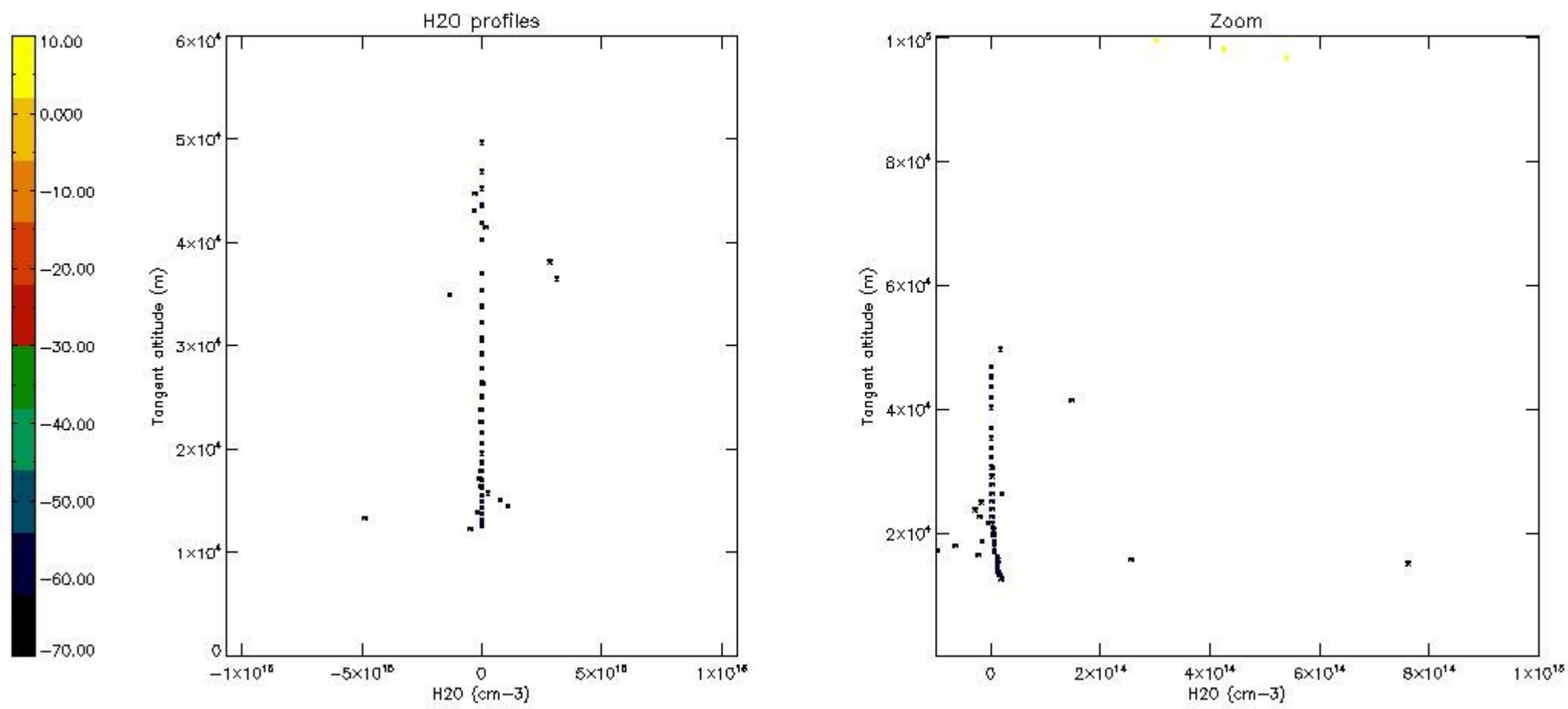
*5.7 Plot NO3 profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

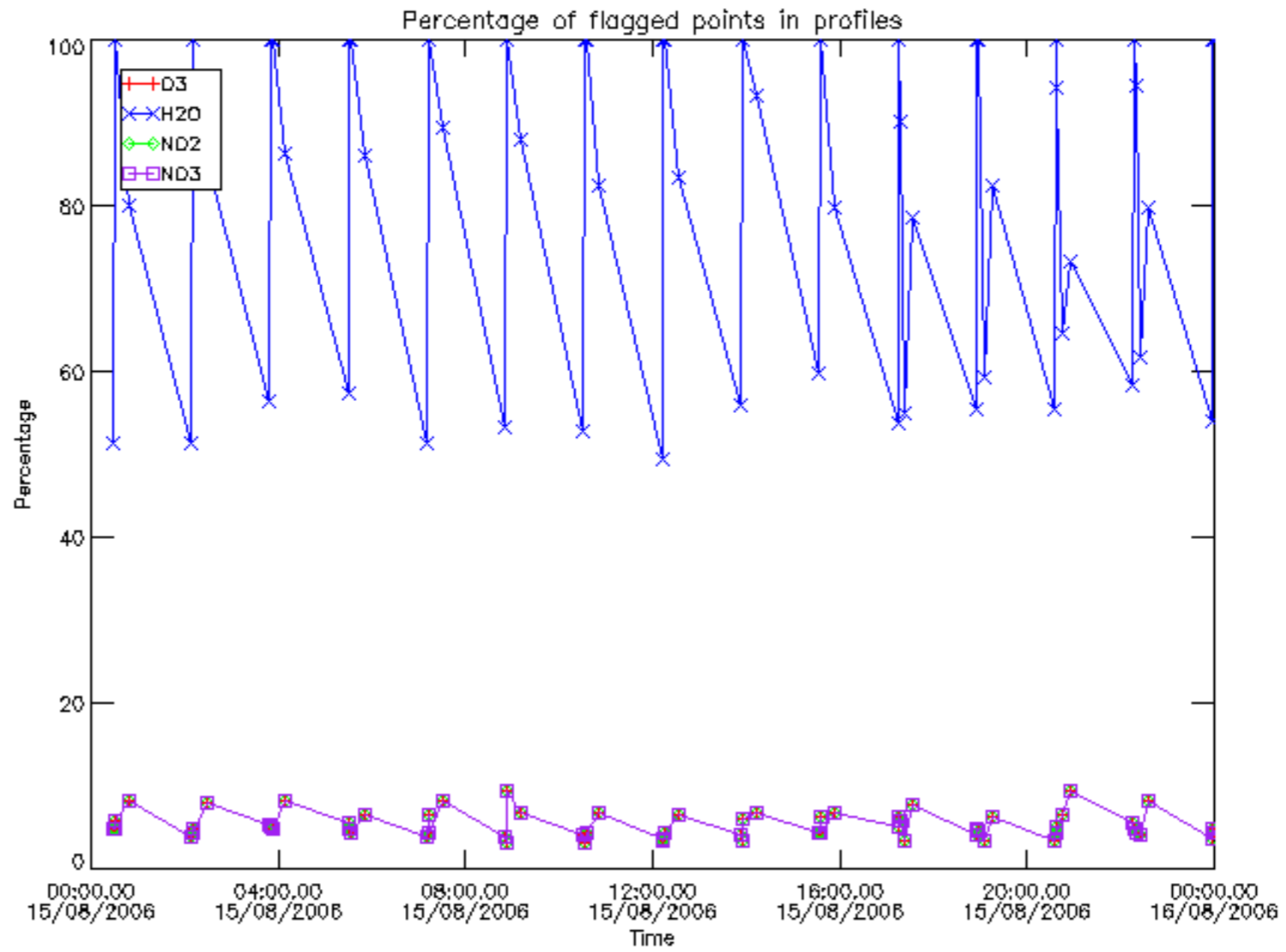
The colorbar represents the latitude.



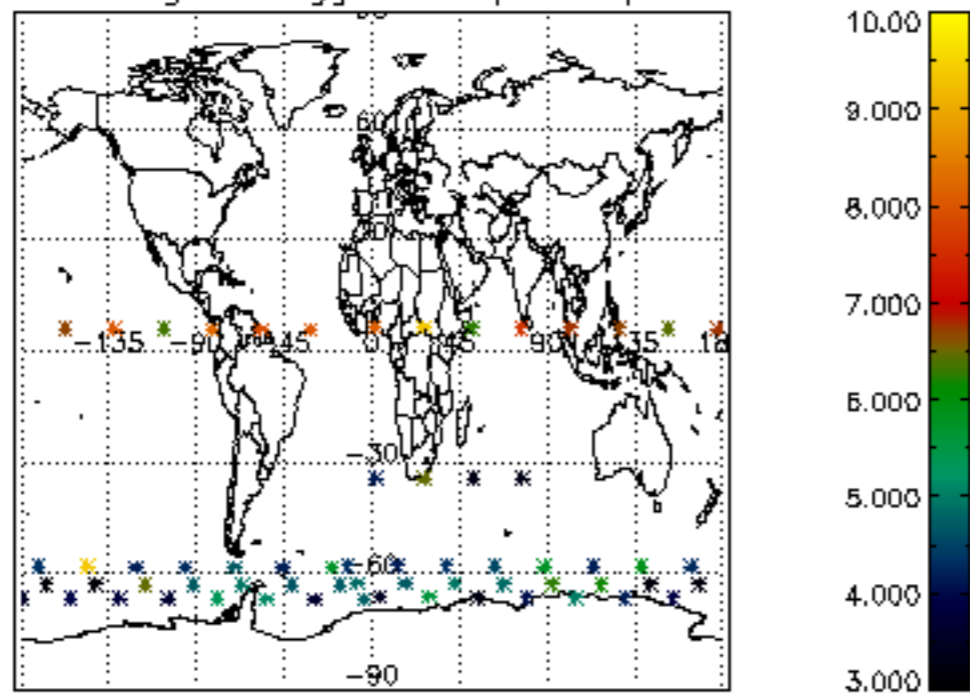
## 6. Auxiliary Data Files used for the production reported in section 2

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

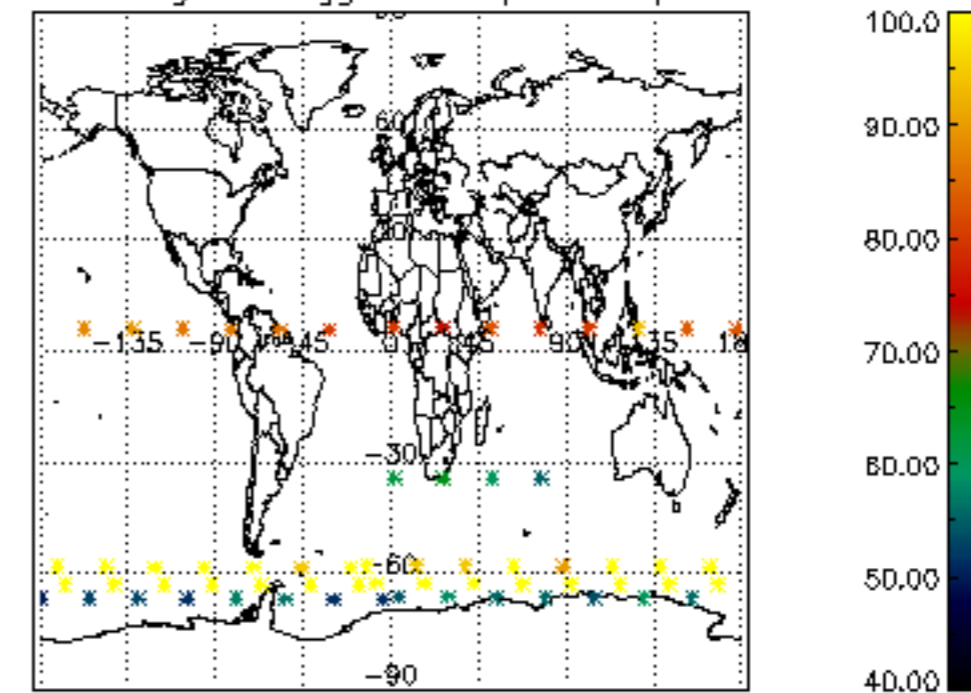
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	15-AUG-2006 00:17:09
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	15-AUG-2006 00:17:09
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	15-AUG-2006 00:17:09



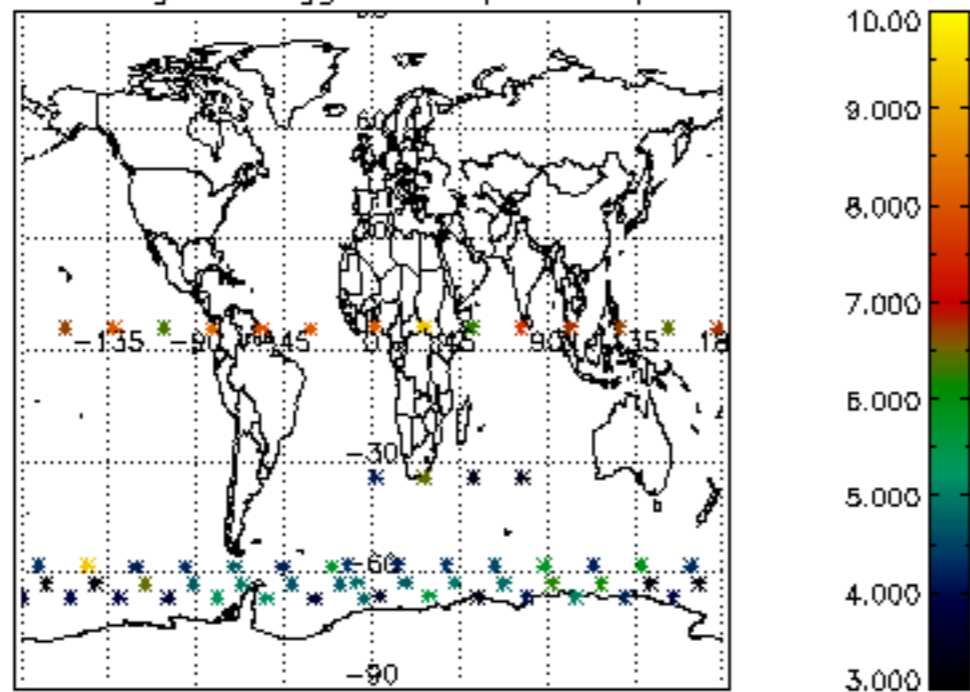
Percentage of flagged data per D3 profile



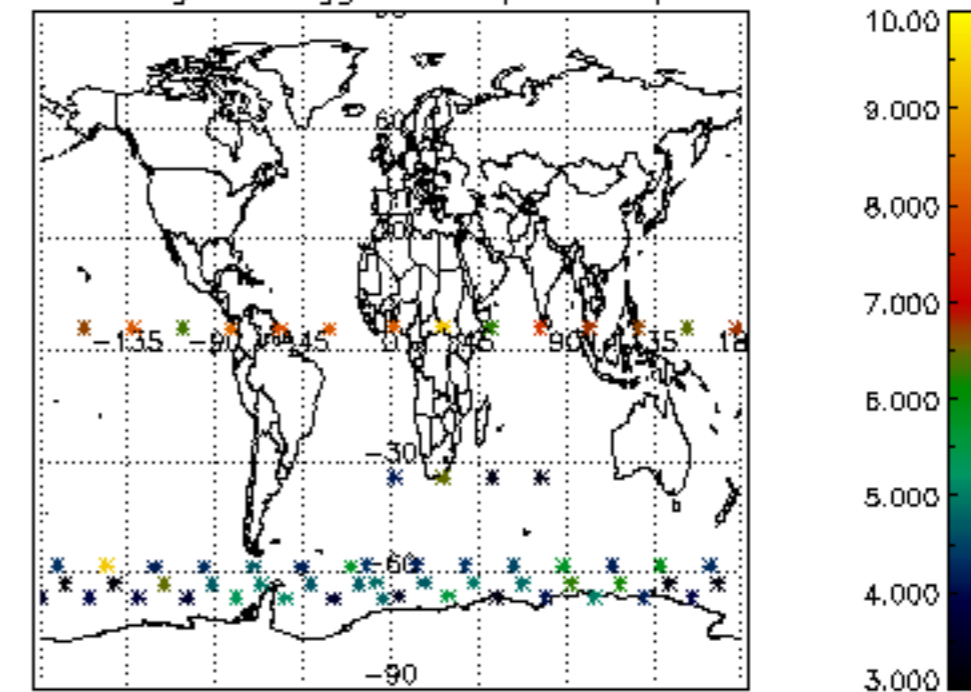
Percentage of flagged data per H2O profile

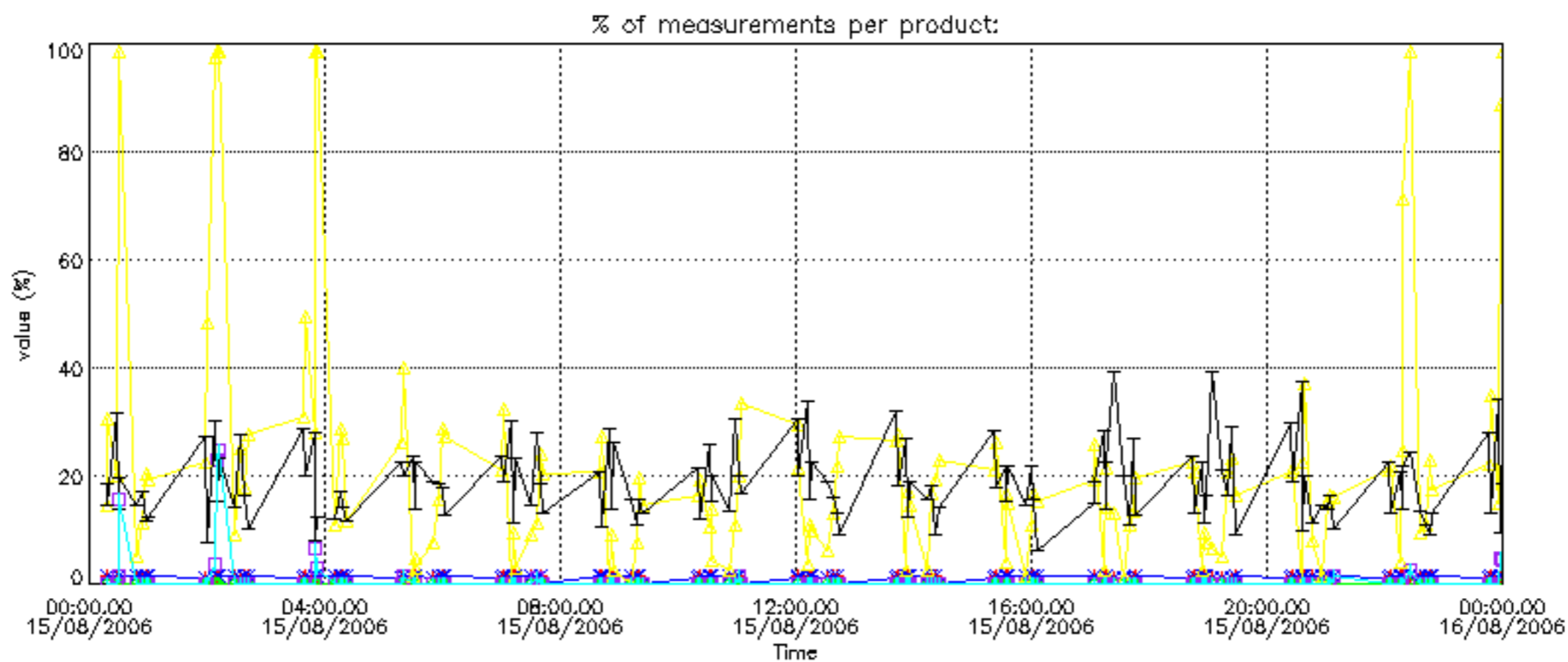


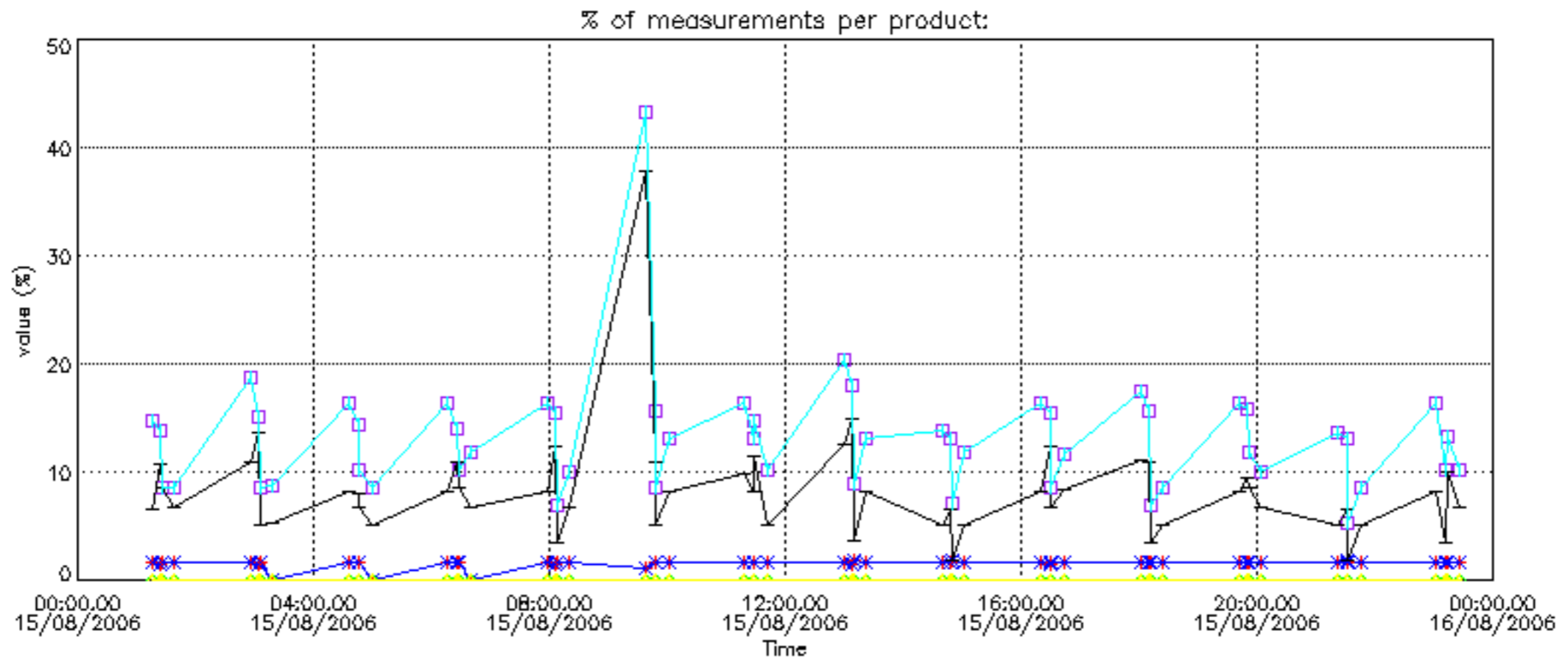
Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

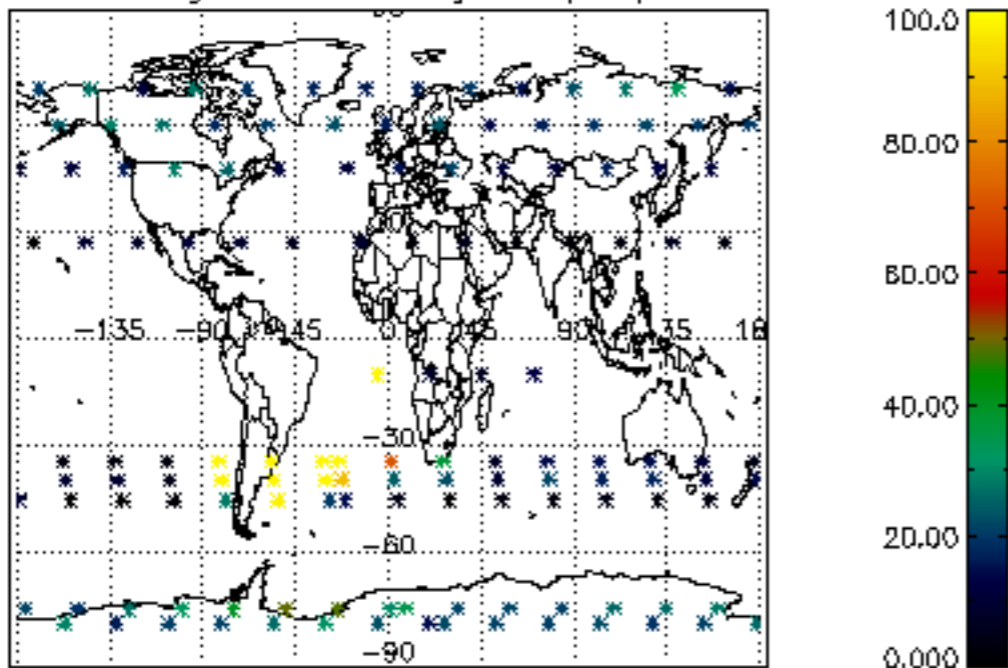




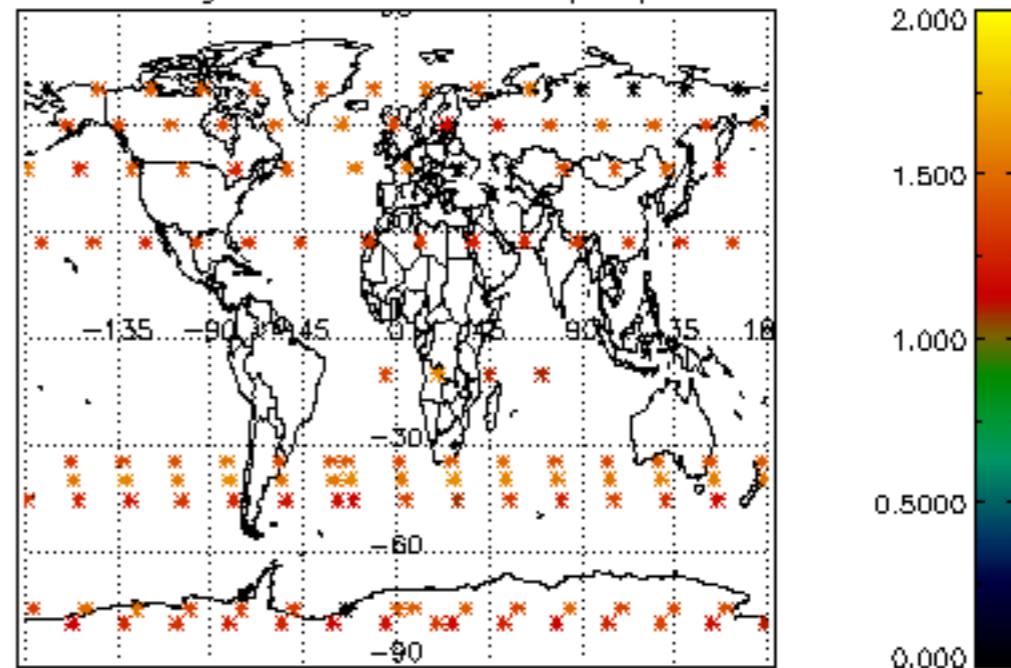




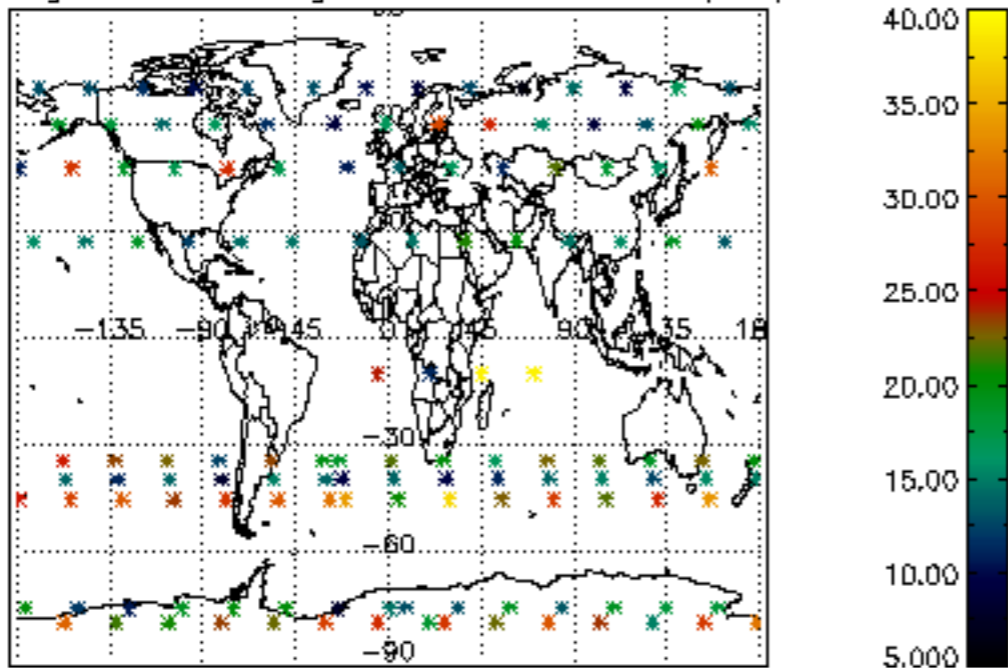
Percentage of cosmic ray hits per profile



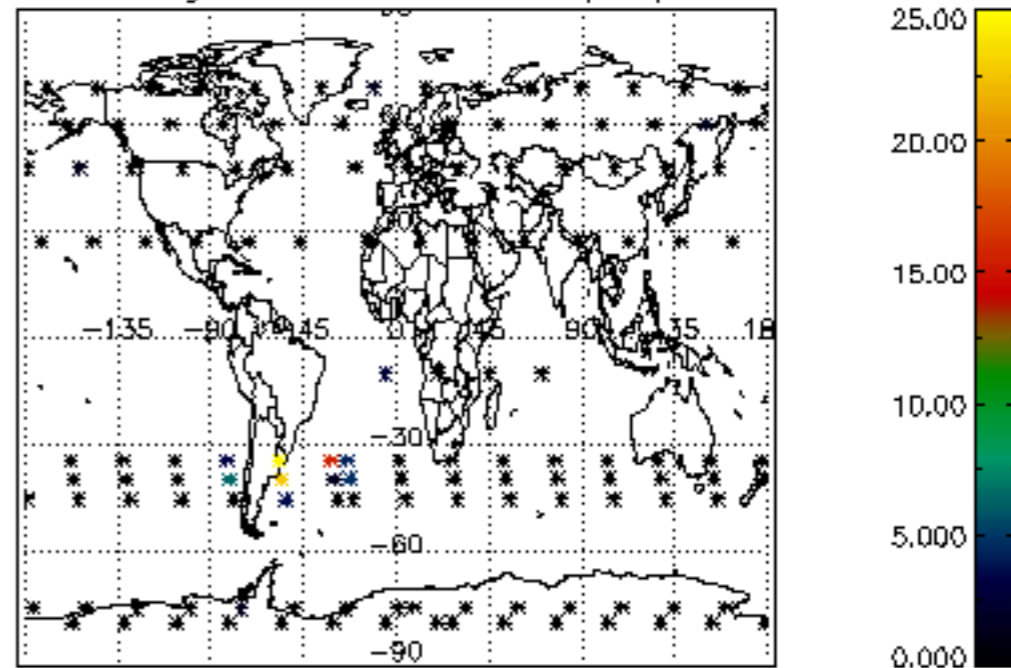
Percentage of datation errors per profile



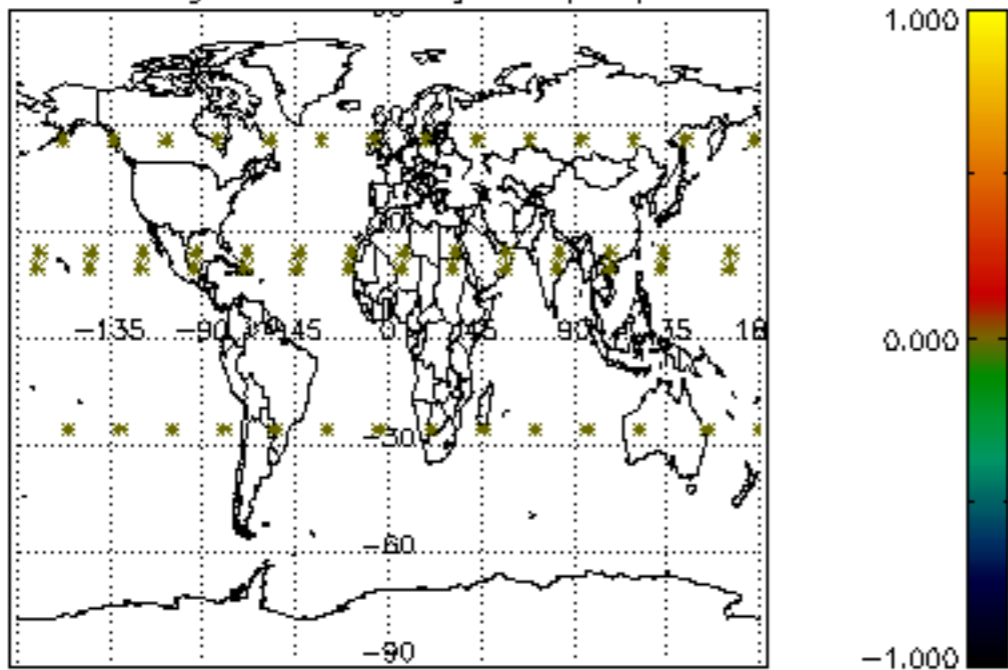
Percentage of star falling outside central band per profile



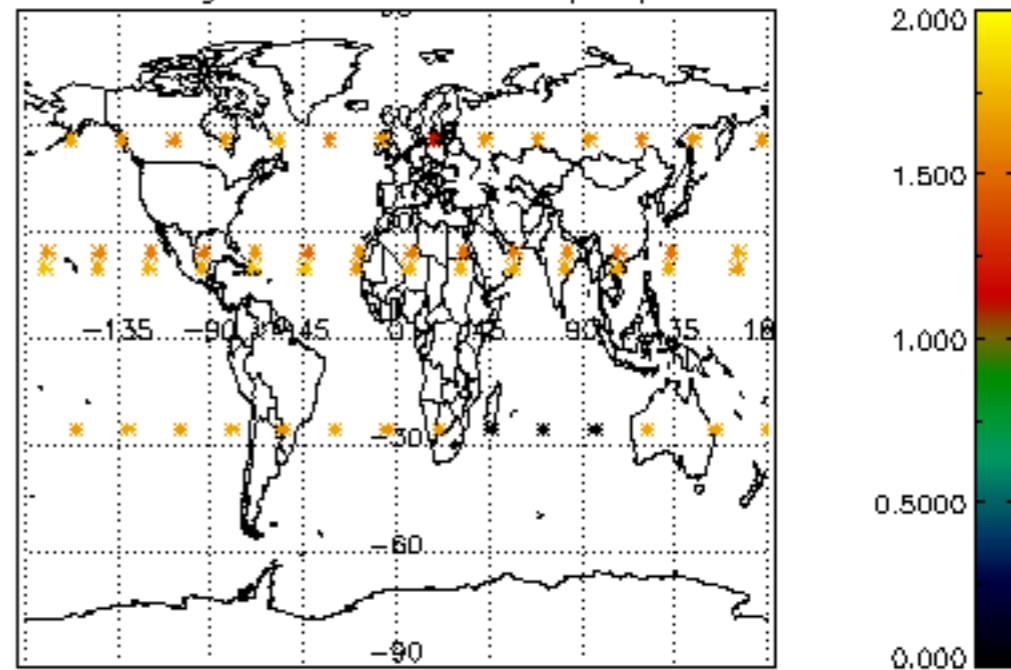
Percentage of saturation errors per profile



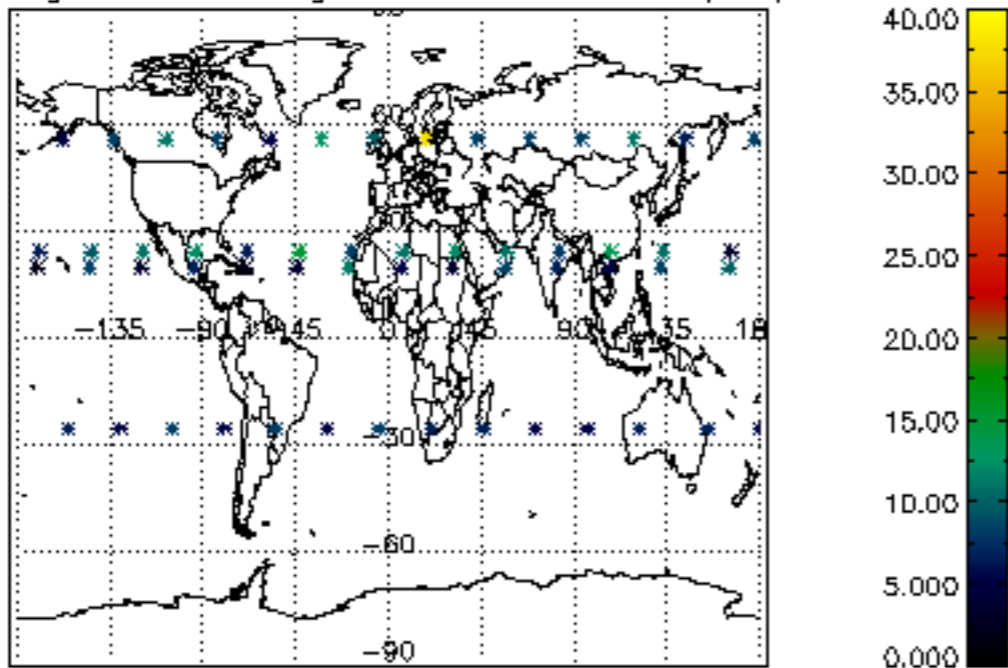
Percentage of cosmic ray hits per profile



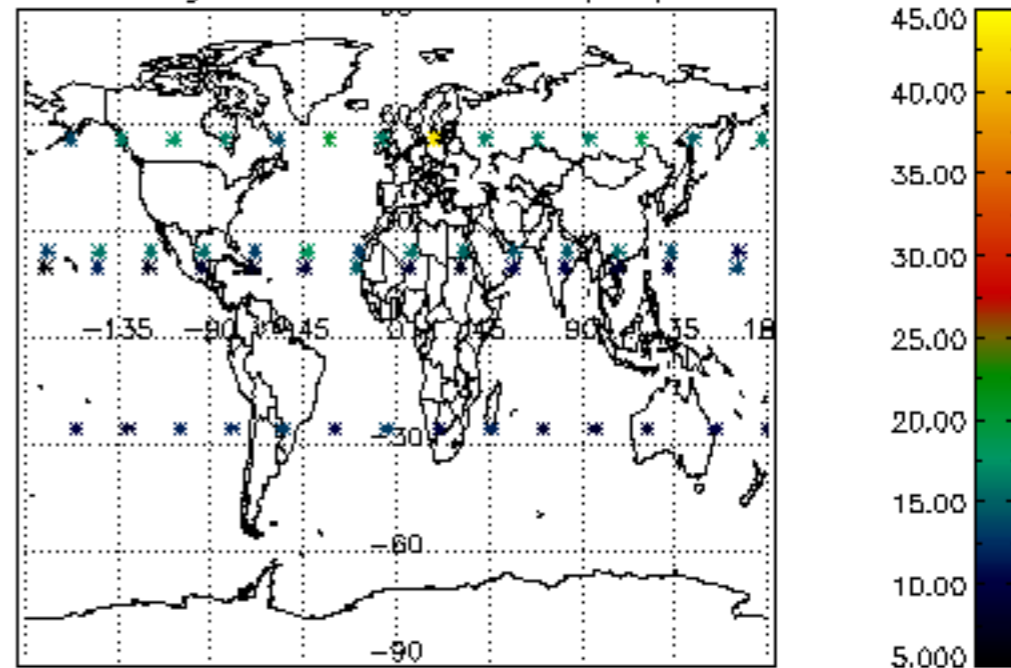
Percentage of datation errors per profile

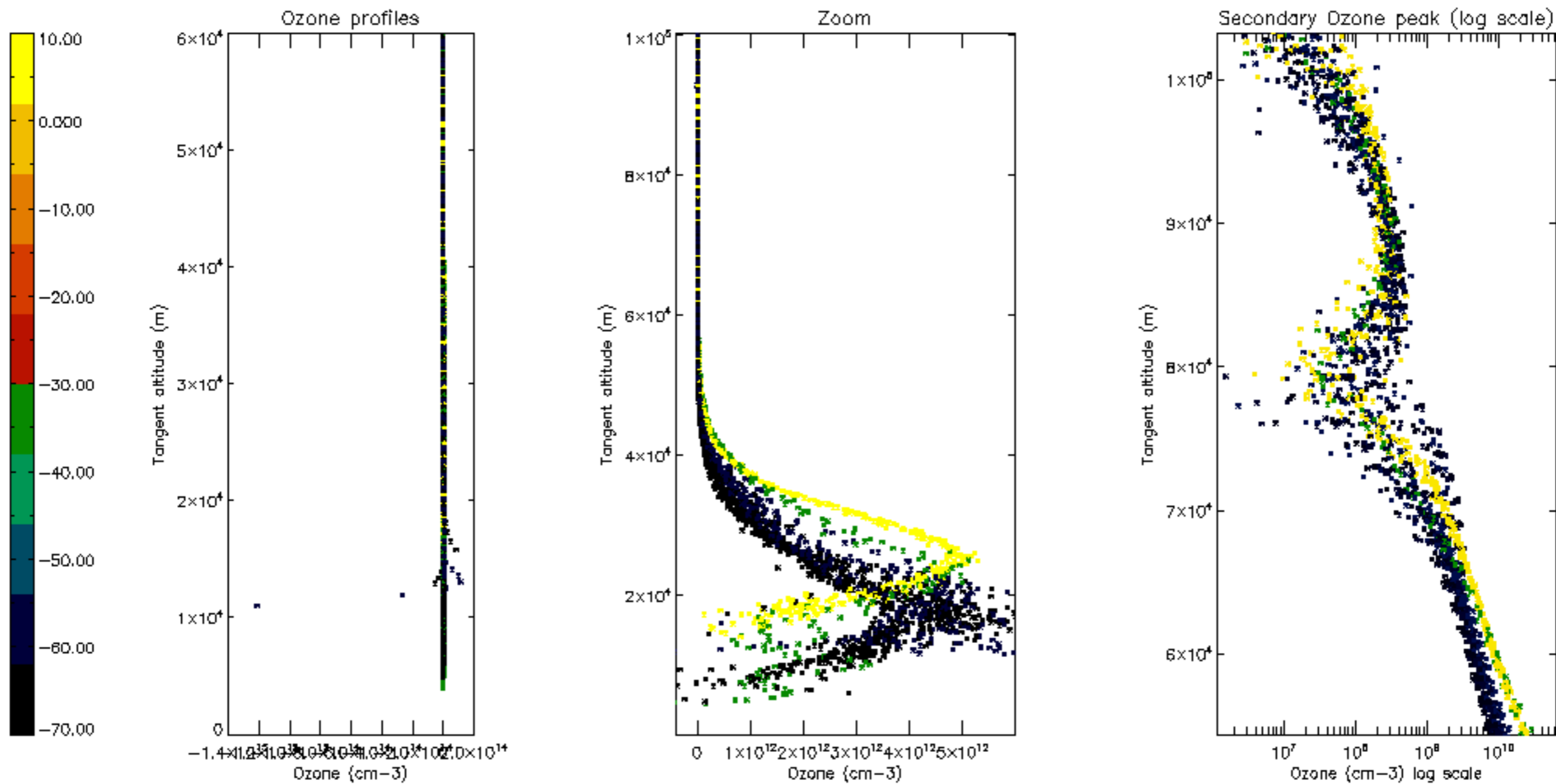


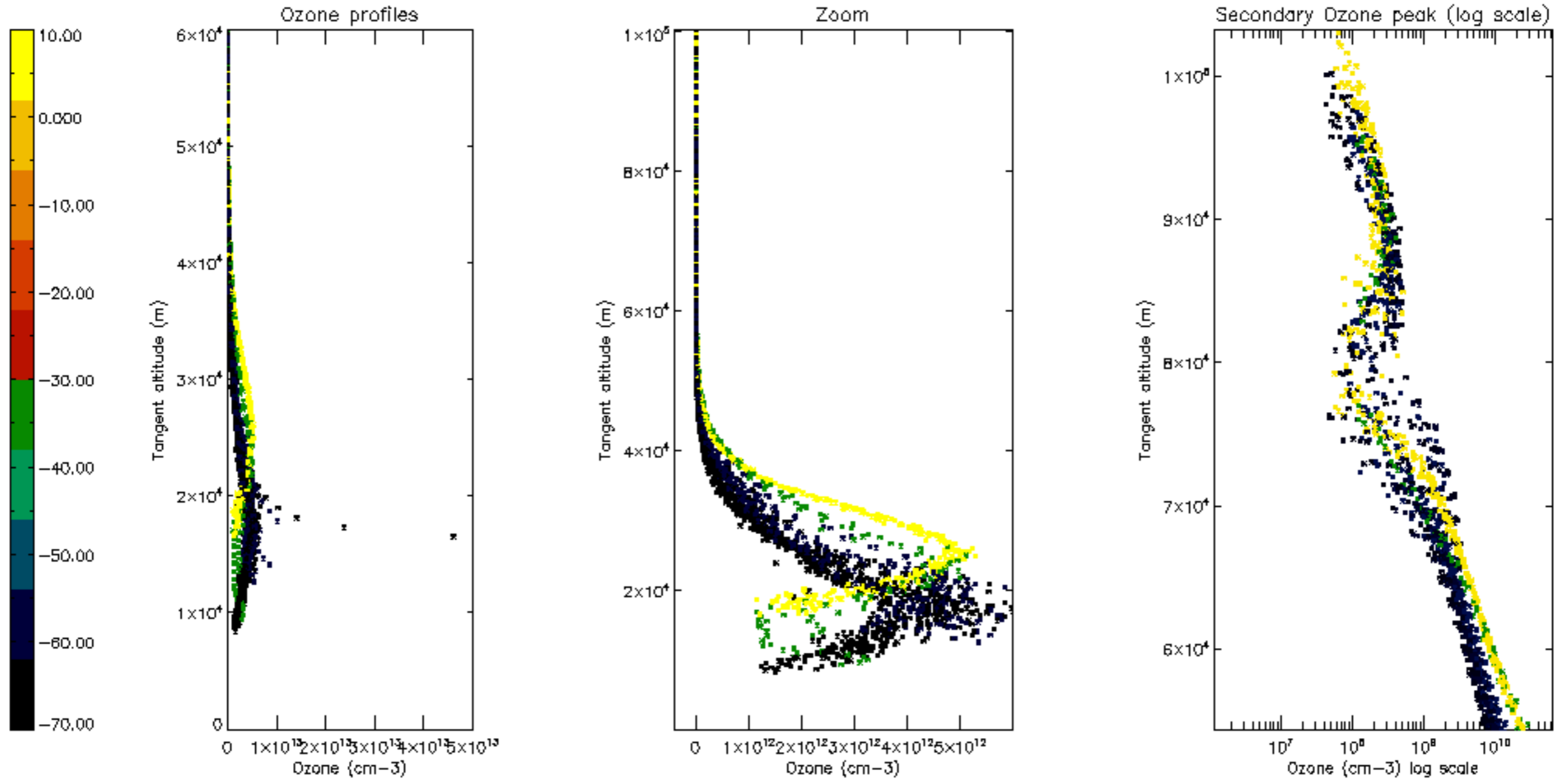
Percentage of star falling outside central band per profile

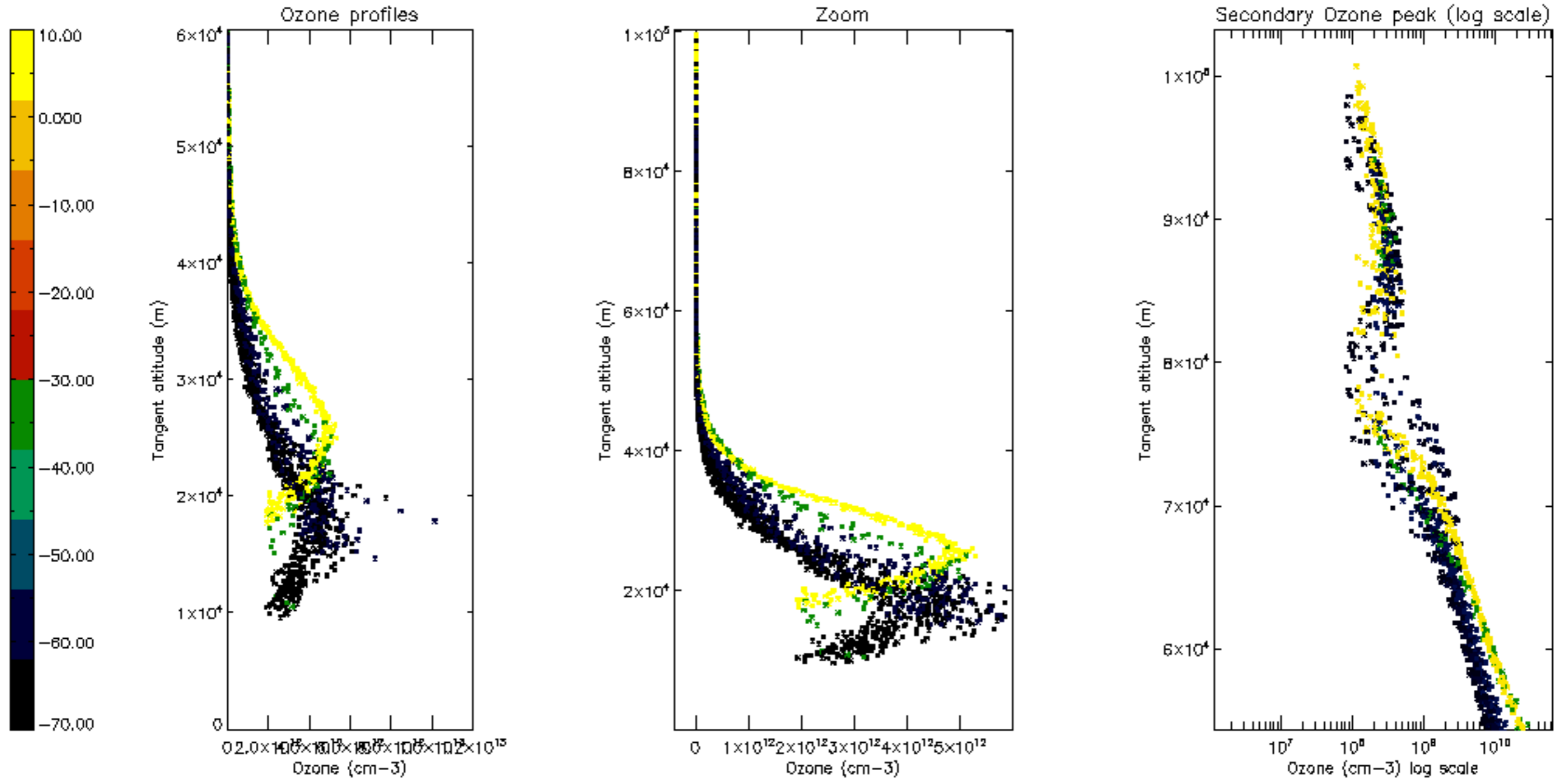


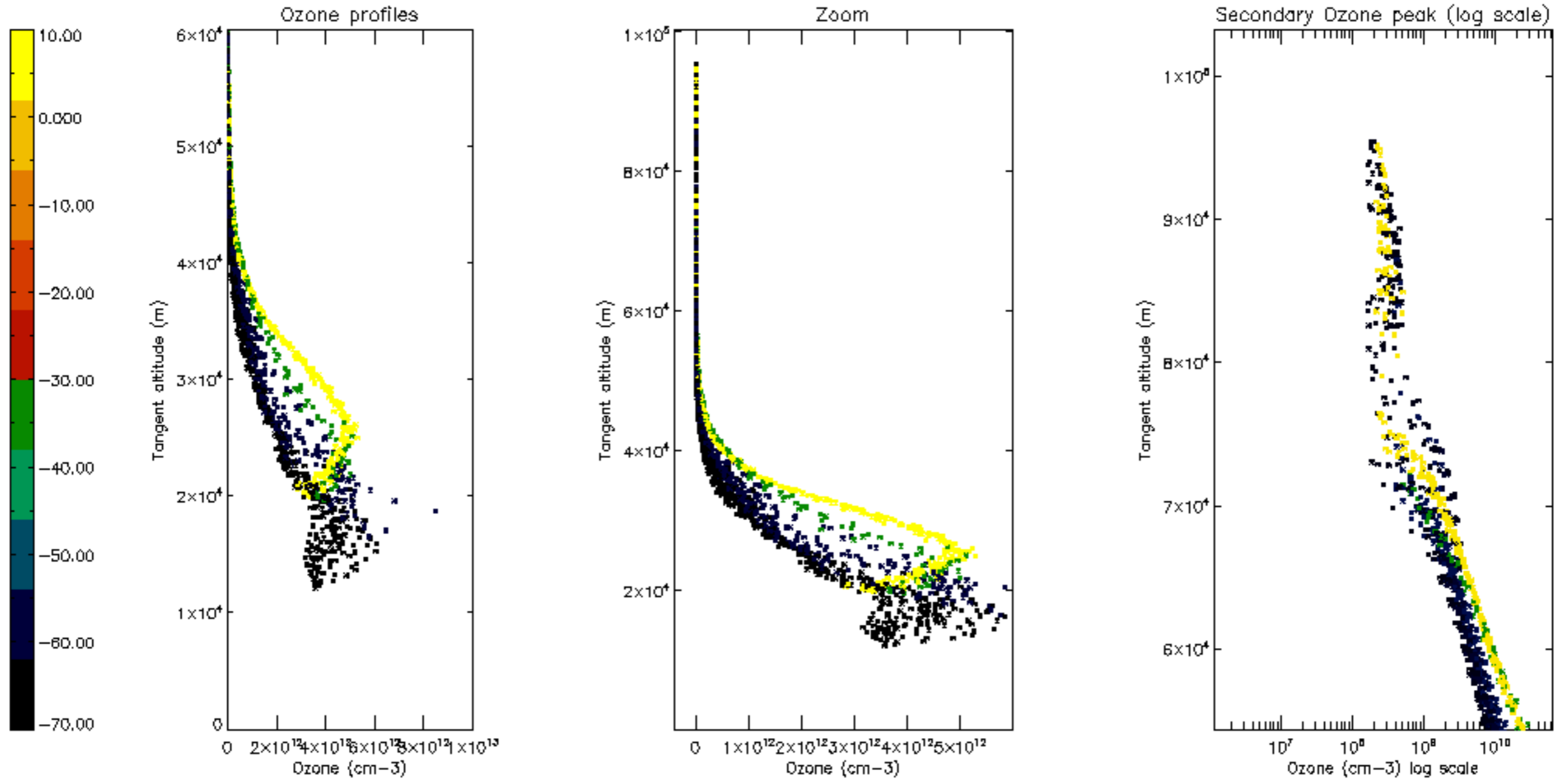
Percentage of saturation errors per profile

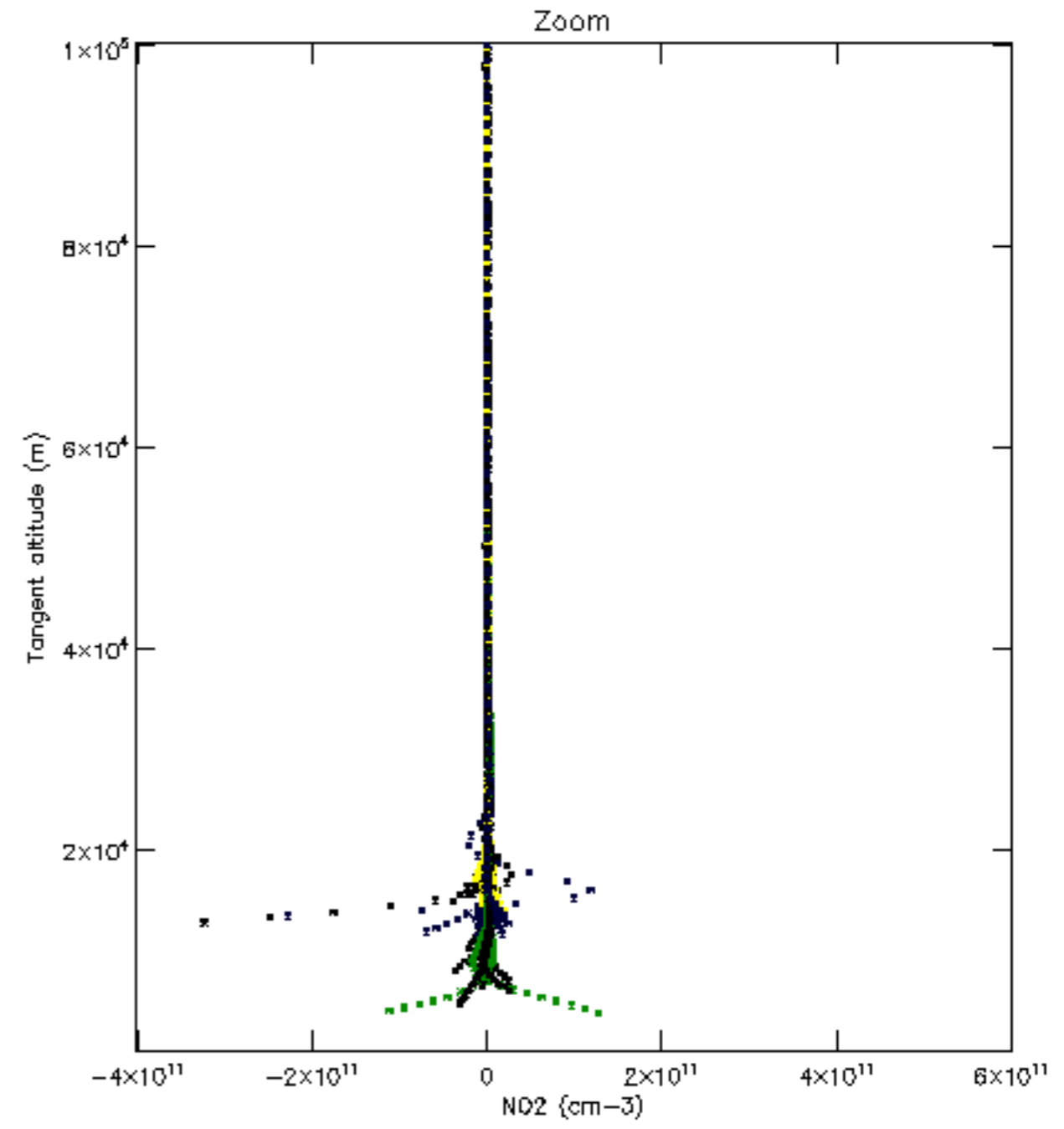
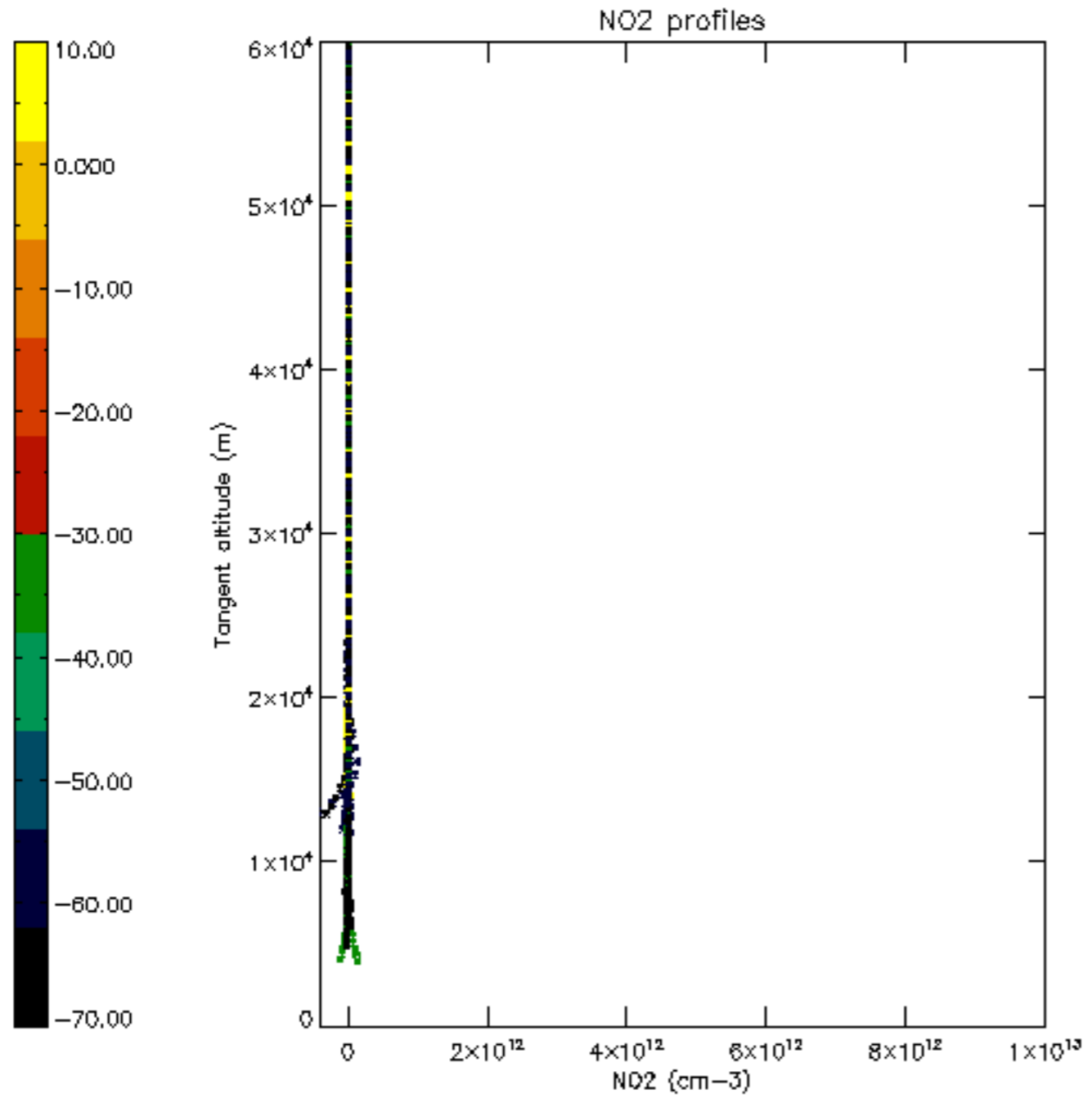


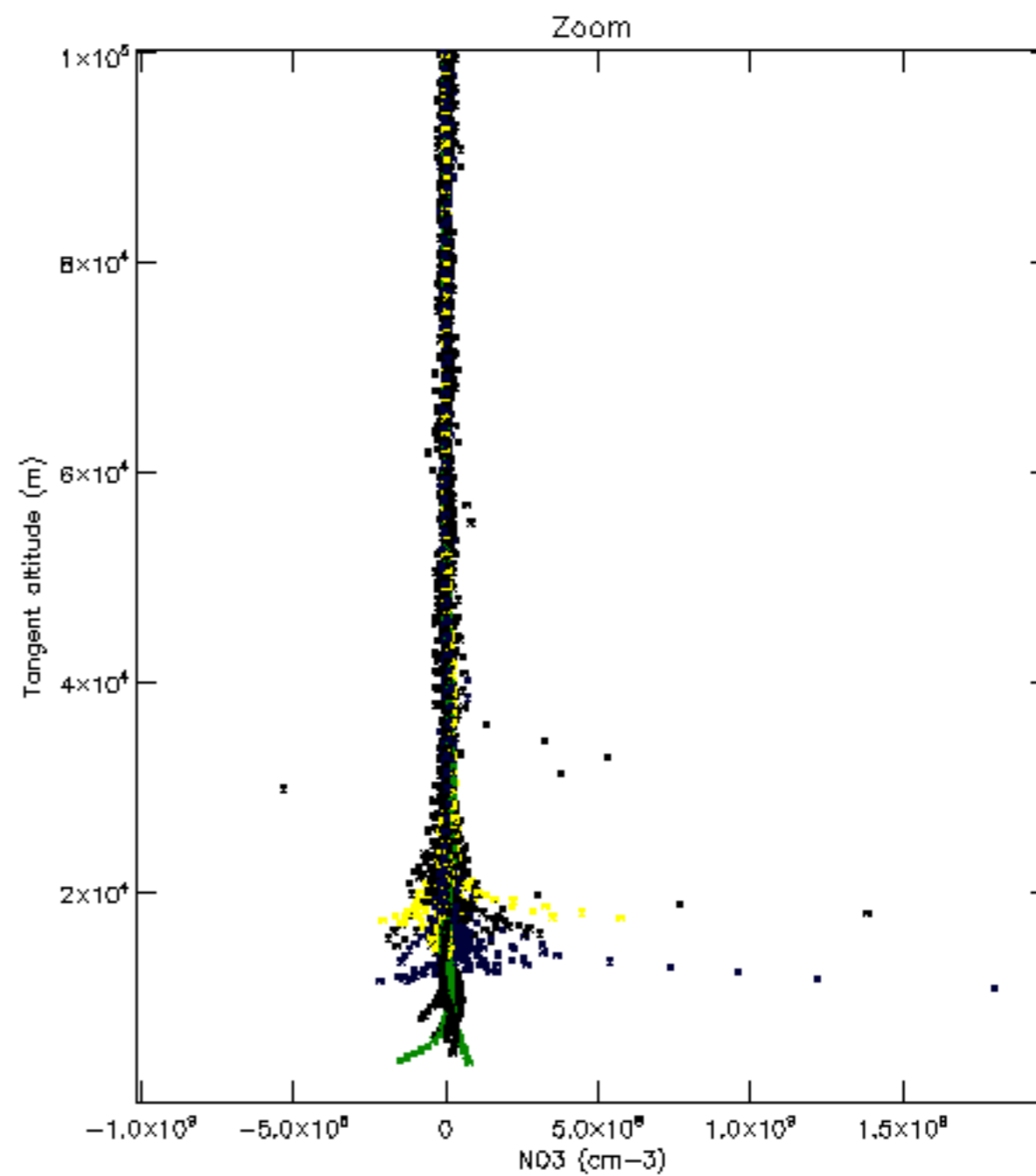
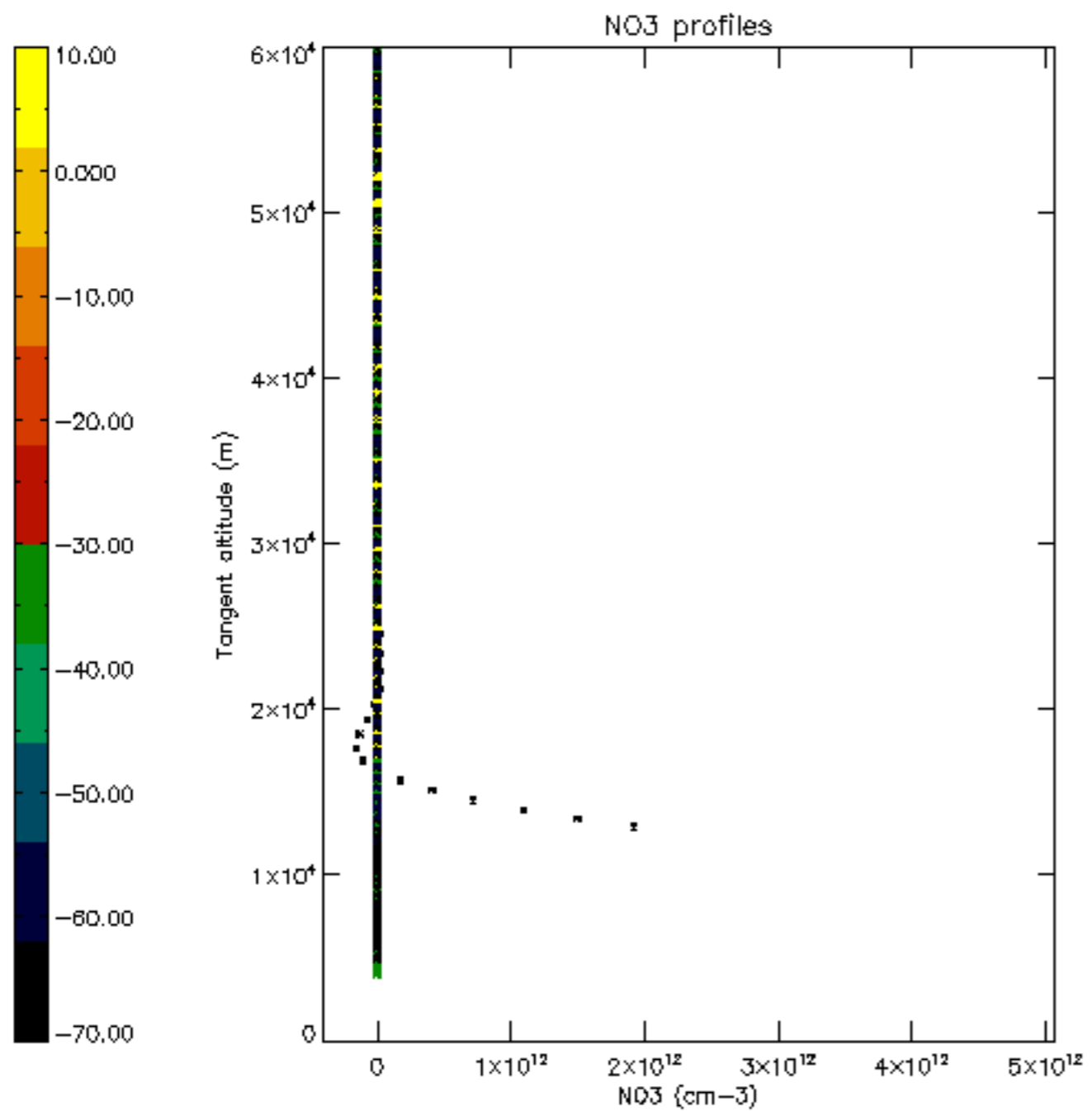




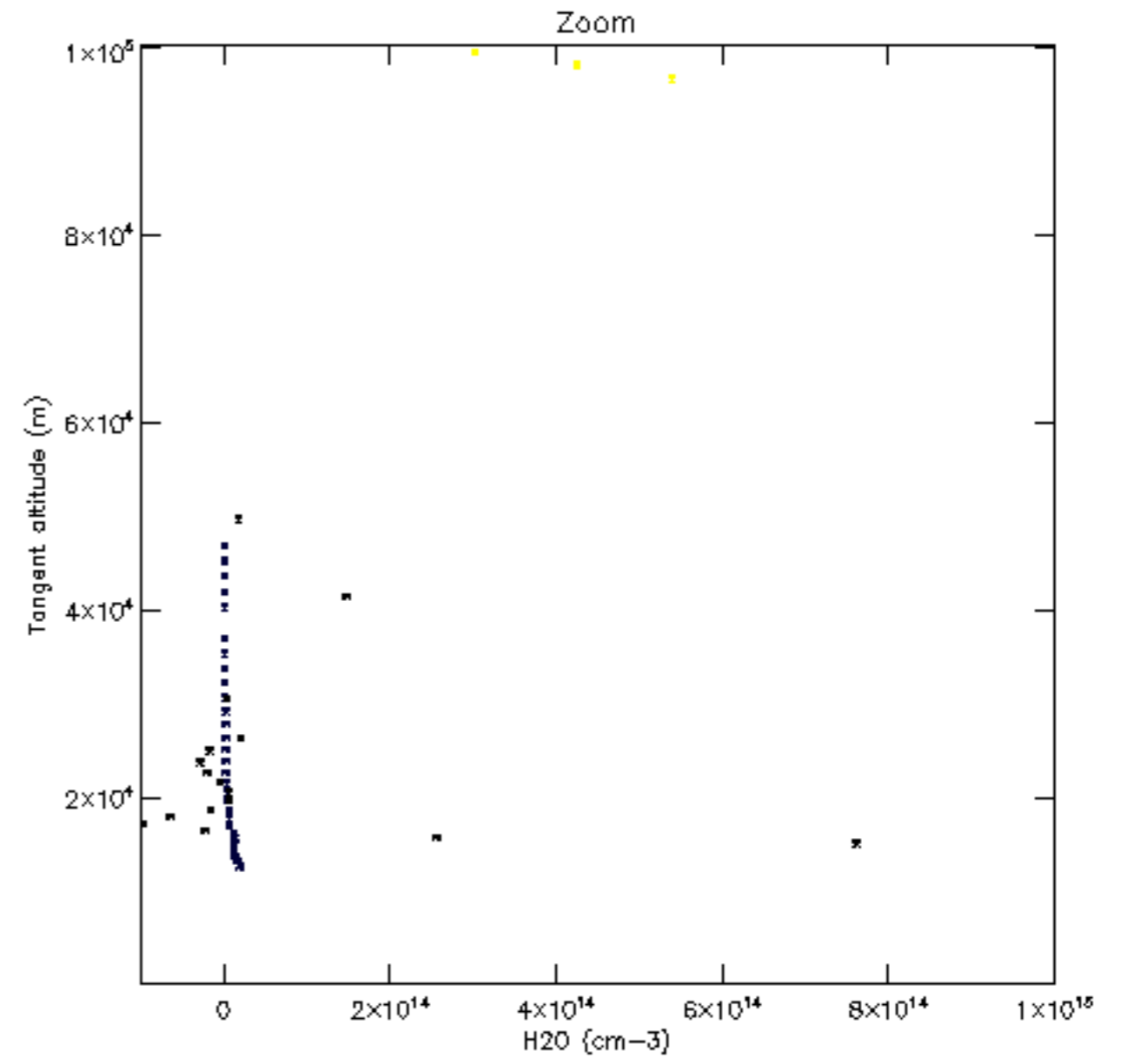
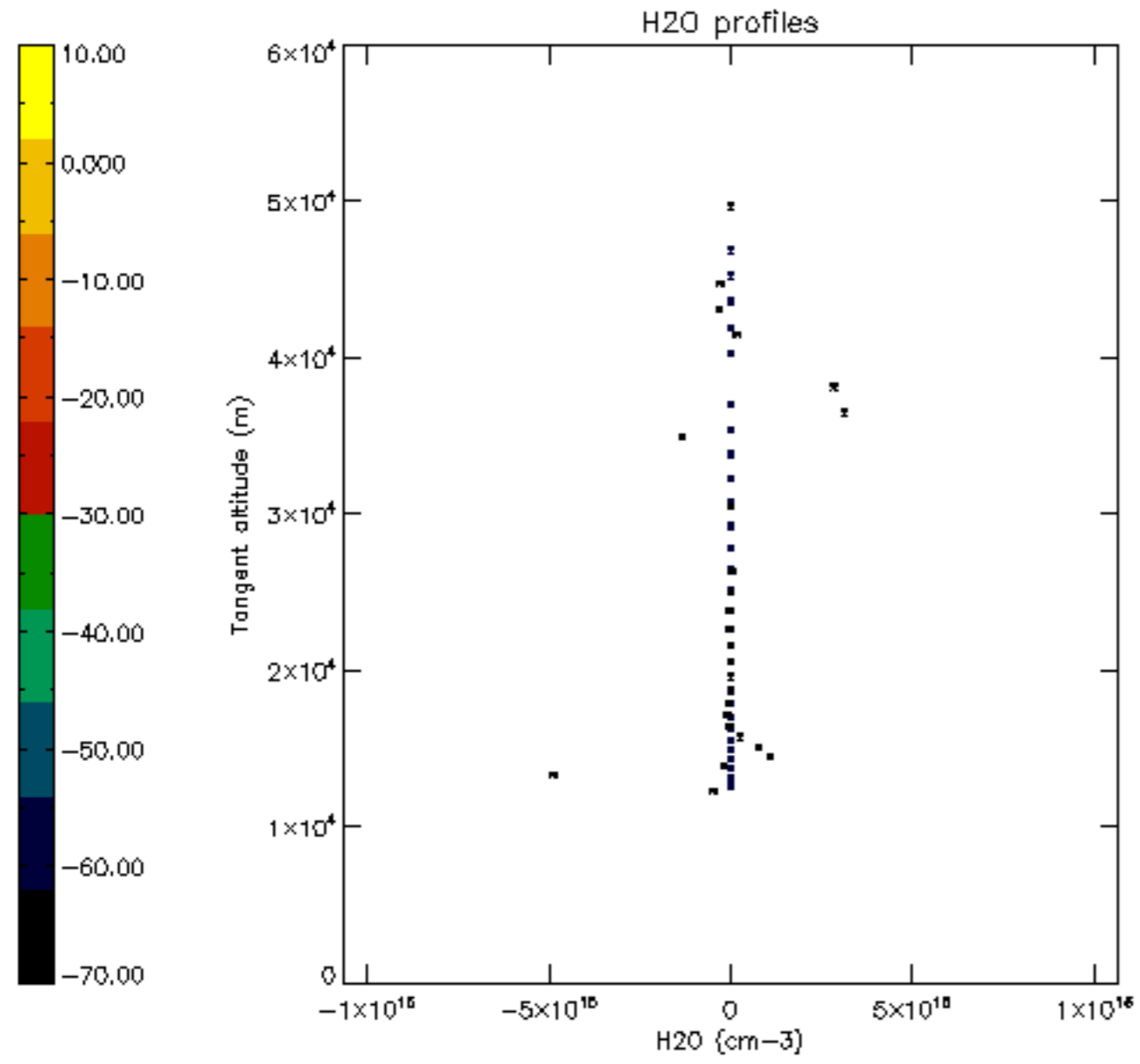


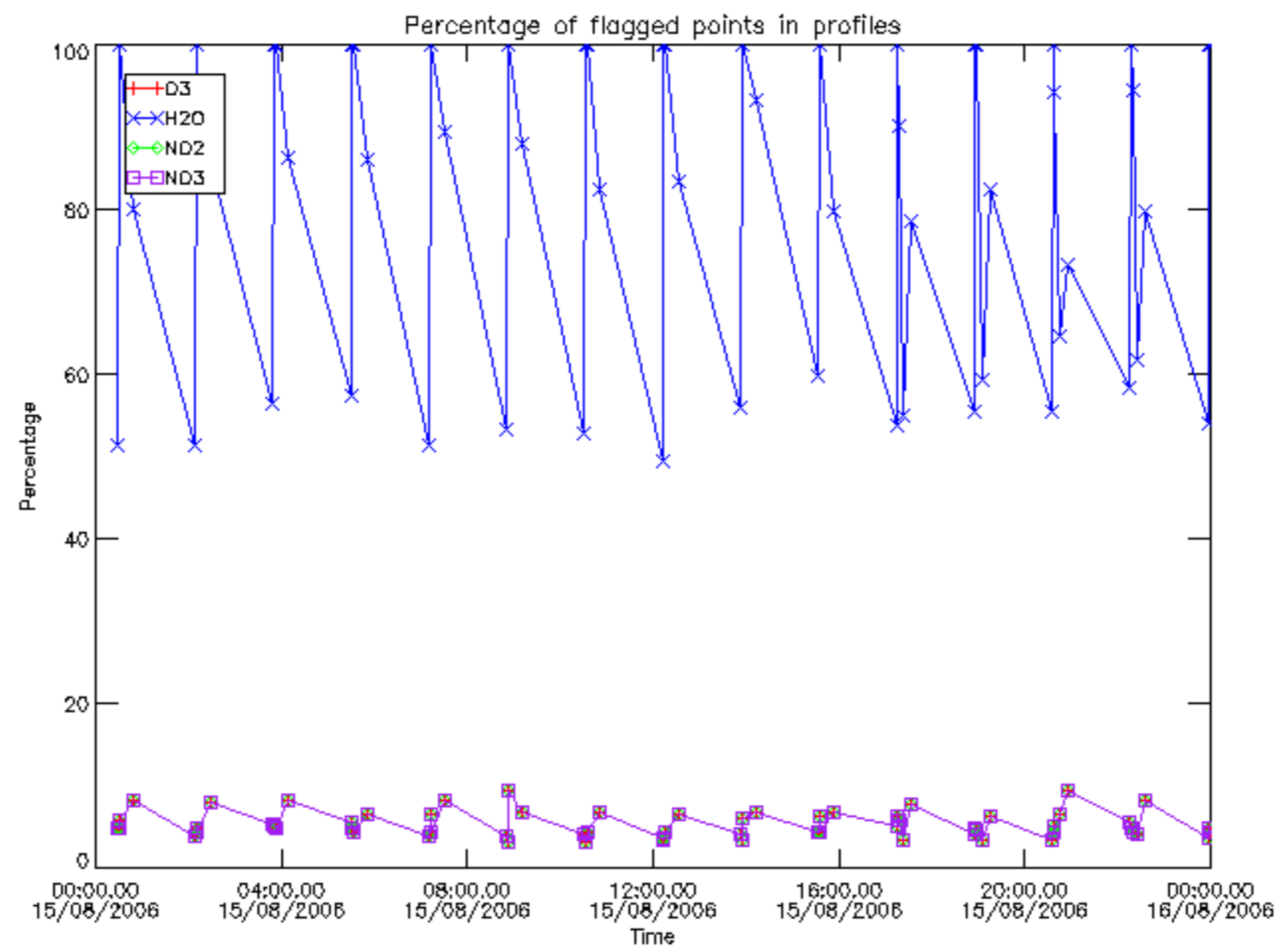




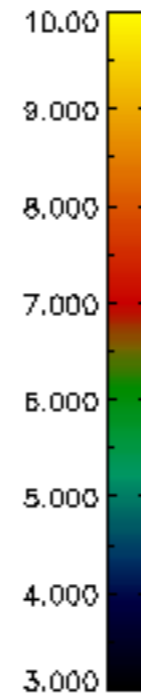
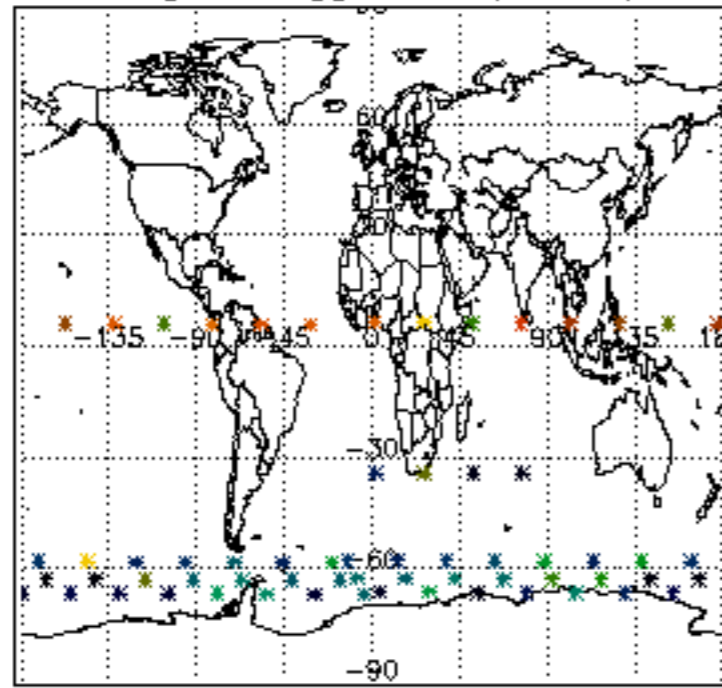




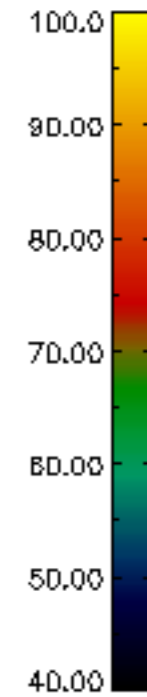
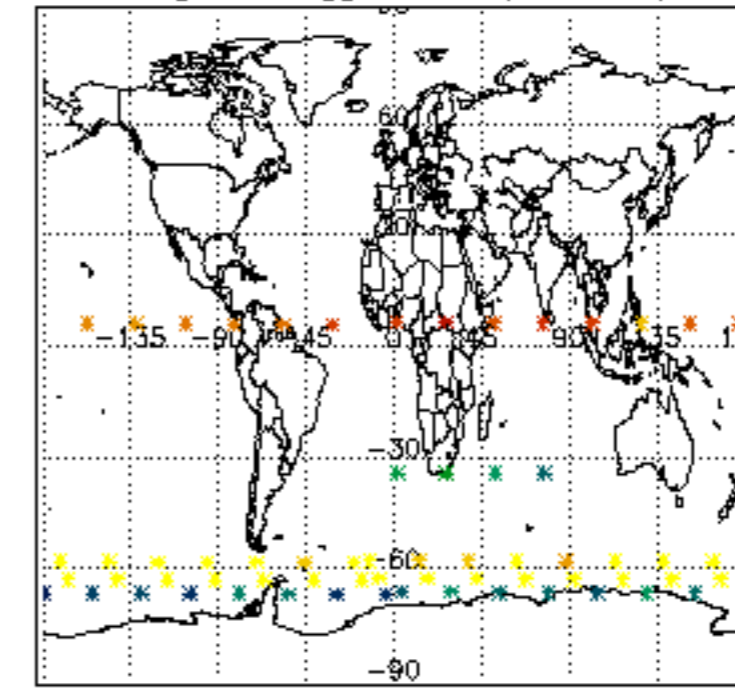




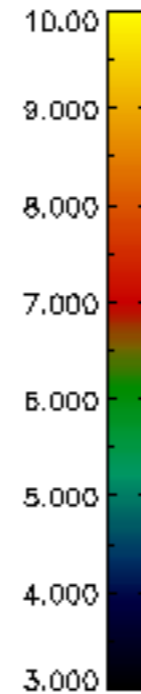
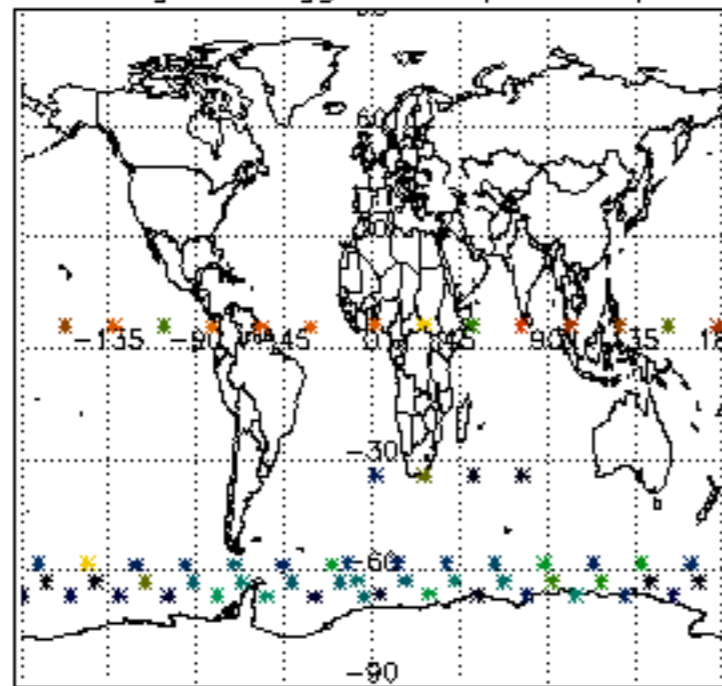
Percentage of flagged data per D3 profile



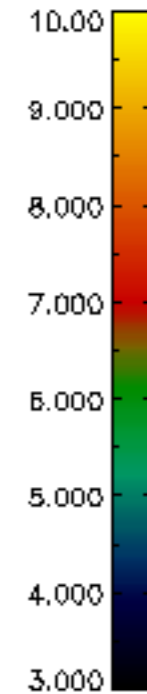
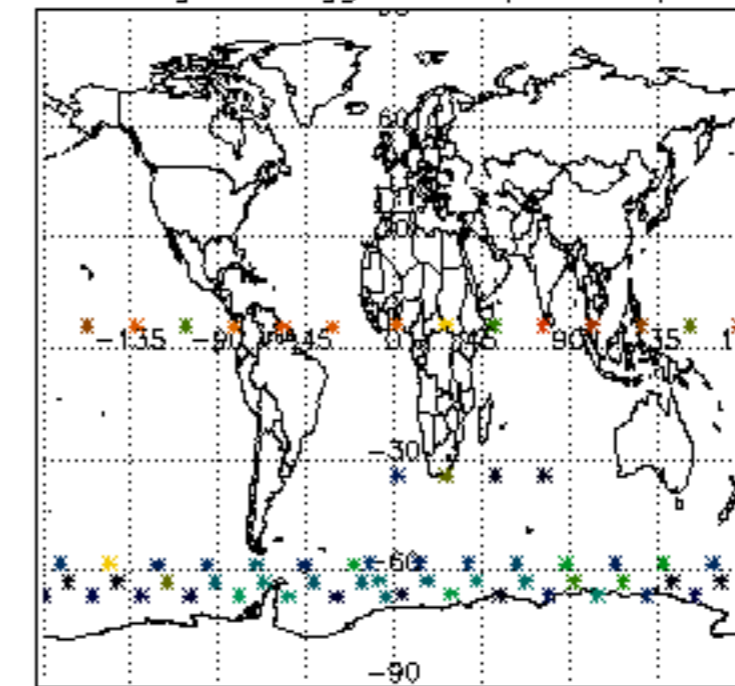
Percentage of flagged data per H2O profile

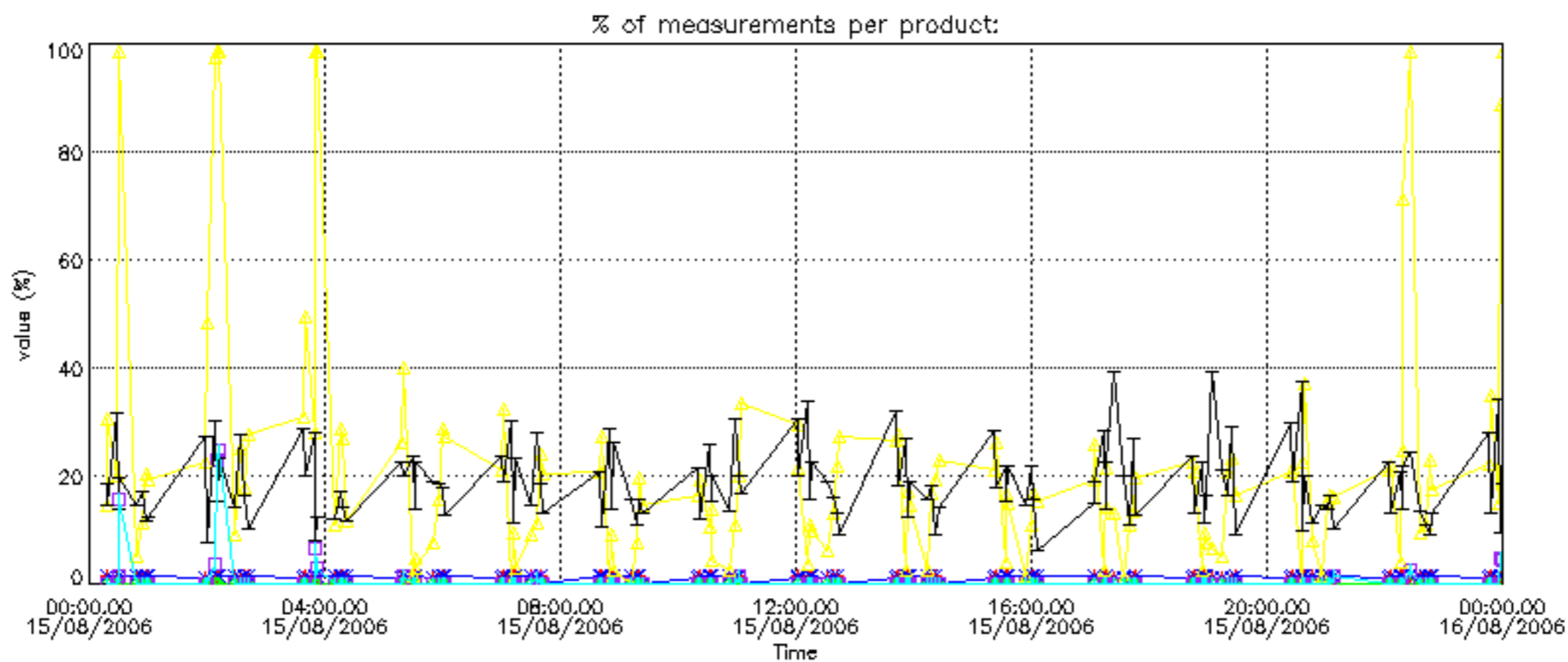


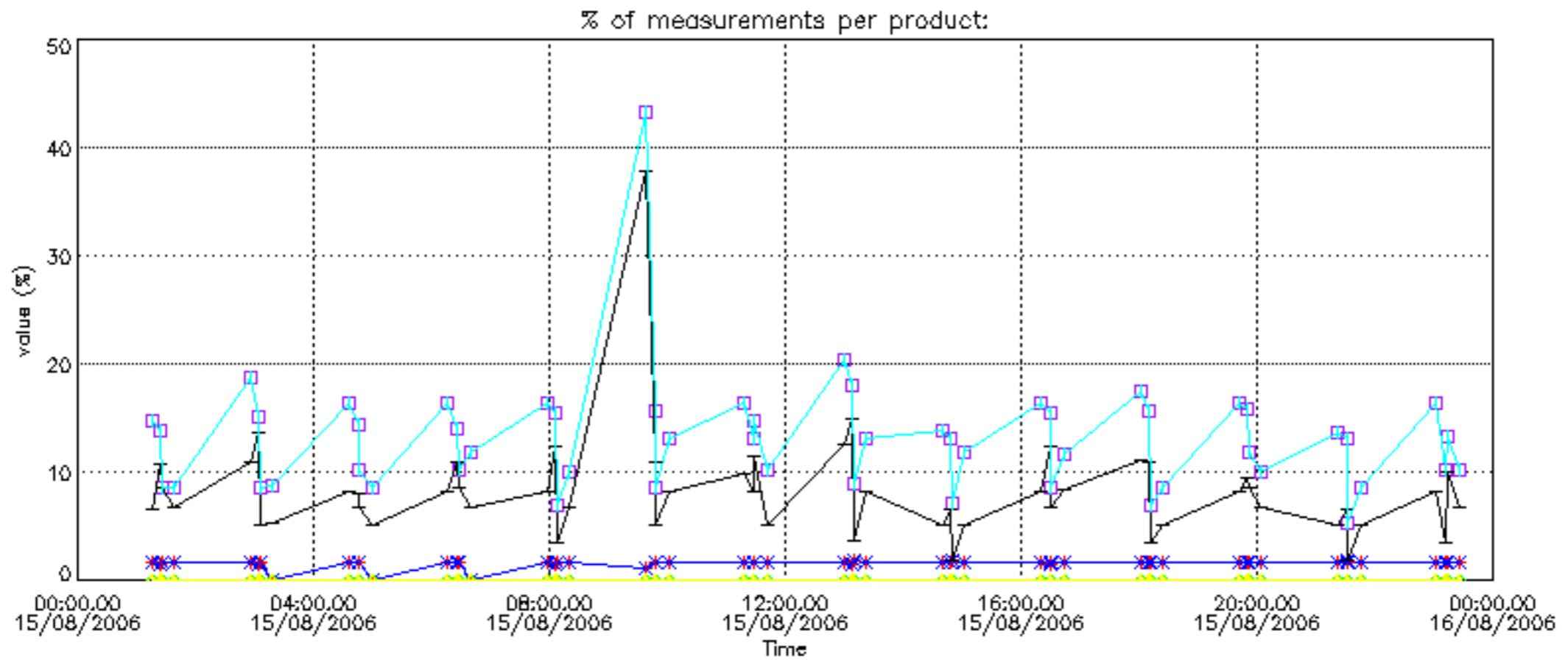
Percentage of flagged data per NO2 profile



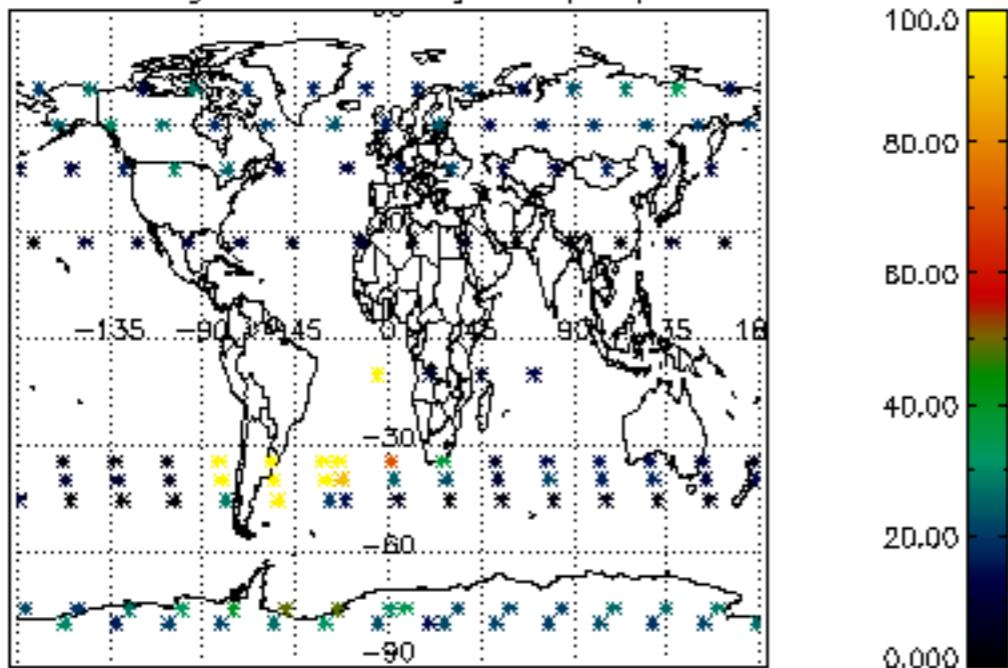
Percentage of flagged data per NO3 profile



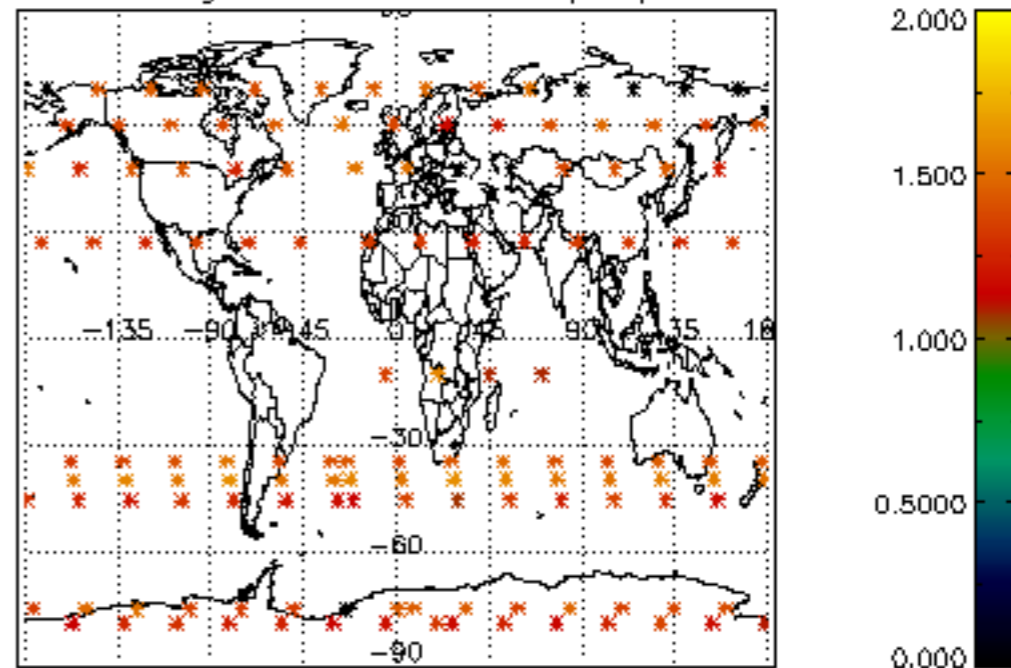




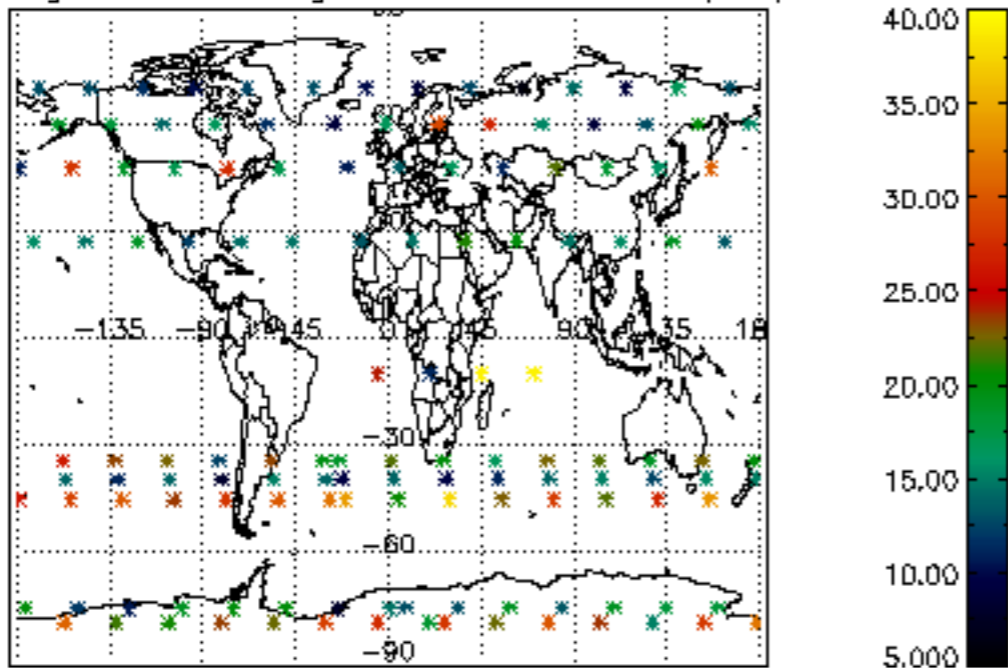
Percentage of cosmic ray hits per profile



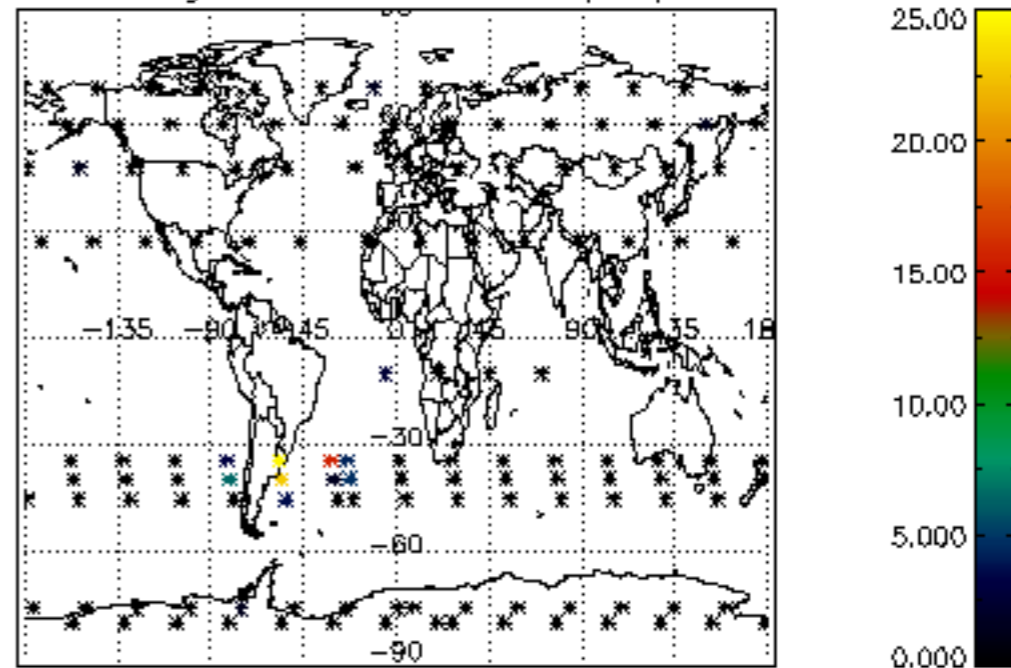
Percentage of datation errors per profile



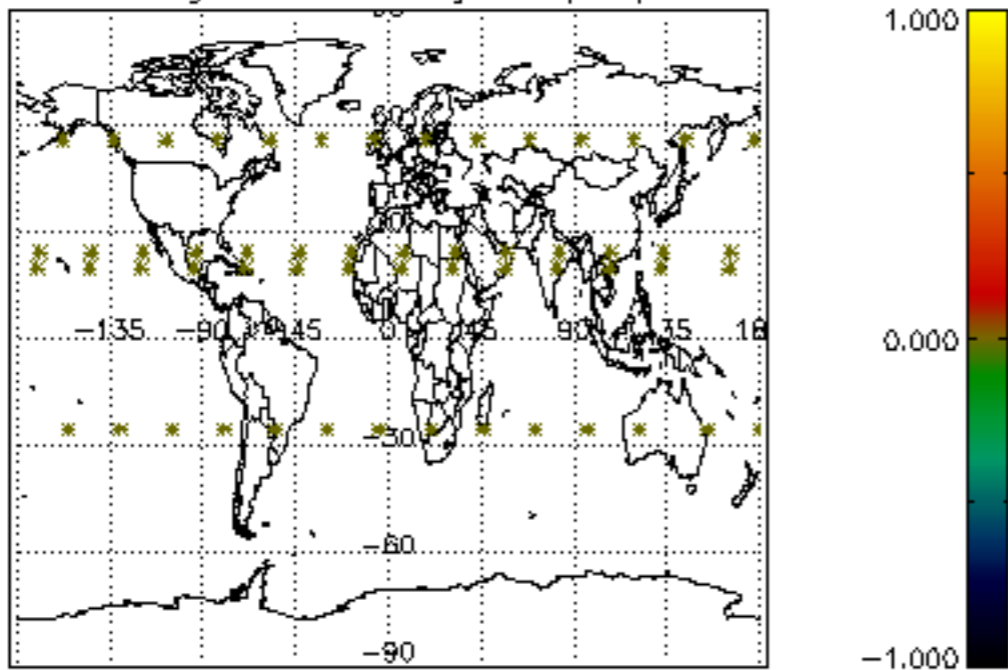
Percentage of star falling outside central band per profile



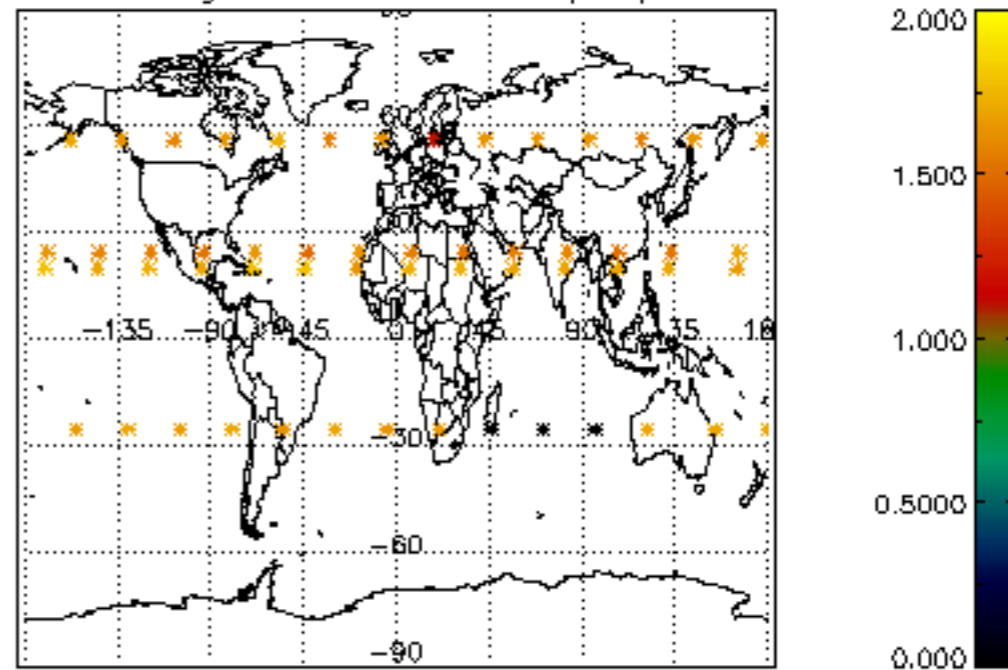
Percentage of saturation errors per profile



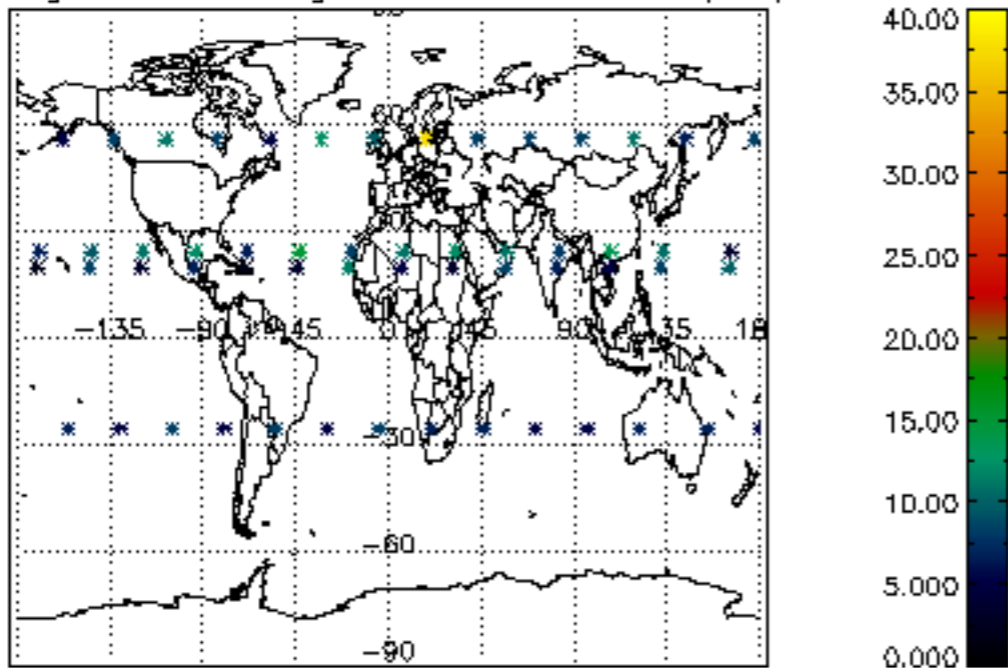
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

