

# 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	26APR2013 08:53:24
Data source version	GOMOS/6.01
Start time of products	18-04-2009 (18APR2009 00:00:00)
Stop time of products	19-04-2009 (19APR2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	169
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__2PRFIN20090418_000352_000000282078_00159_37287_8204.N1	18-APR-2009 00:03:52	Twilight	27.500	19	50Alp Cyg	1.2460	10500.	55	37287	No
2	GOM_NL__2PRFIN20090418_000820_000000312078_00159_37287_8205.N1	18-APR-2009 00:08:20	Twilight	30.500	92	53Eps Cyg	2.5000	4500.0	61	37287	No
3	GOM_NL__2PRFIN20090418_001558_000000272078_00159_37287_8206.N1	18-APR-2009 00:15:58	Dark	26.500	61	8Eps Peg	2.1000	3900.0	53	37287	No
4	GOM_NL__2PRFIN20090418_002111_000000282078_00159_37287_8207.N1	18-APR-2009 00:21:11	Dark	28.000	154	22Bet Aqr	2.8990	5700.0	56	37287	No
5	GOM_NL__2PRFIN20090418_004138_000000282078_00160_37288_8212.N1	18-APR-2009 00:41:38	Dark	28.000	38	20Eps Sgr	1.8360	11000.	56	37288	No
6	GOM_NL__2PRFIN20090418_004328_000000342078_00160_37288_8213.N1	18-APR-2009 00:43:28	Dark	33.500	147	Alp Ara	2.8770	26000.	67	37288	No
7	GOM_NL__2PRFIN20090418_004525_000000422078_00160_37288_8214.N1	18-APR-2009 00:45:25	Straylight	42.000	25	35Lam Sco	1.6200	28000.	84	37288	No
8	GOM_NL__2PRFIN20090418_005048_000000322078_00160_37288_8215.N1	18-APR-2009 00:50:48	Straylight	31.500	131	Gam Lup	2.8000	26000.	63	37288	No
9	GOM_NL__2PRFIN20090418_010050_000000352078_00160_37288_8216.N1	18-APR-2009 01:00:50	Twilight	35.000	122	9Alp2Lib	2.7470	9700.0	70	37288	No
10	GOM_NL__2PRFIN20090418_011247_000000332078_00160_37288_8217.N1	18-APR-2009 01:12:47	Bright	33.000	111	8Eta Boo	2.6800	6000.0	66	37288	No
11	GOM_NL__2PRFIN20090418_012030_000000362078_00160_37288_8218.N1	18-APR-2009 01:20:30	Bright	36.000	180	27Gam Boo	3.0400	8000.0	72	37288	No
12	GOM_NL__2PRFIN20090418_013012_000000322078_00160_37288_8219.N1	18-APR-2009 01:30:12	Twilight	32.000	119	14Eta Dra	2.7270	4700.0	64	37288	No
13	GOM_NL__2PRFIN20090418_014427_000000272078_00160_37288_8220.N1	18-APR-2009 01:44:27	Twilight	27.000	19	50Alp Cyg	1.2460	10500.	54	37288	No
14	GOM_NL__2PRFIN20090418_014856_000000292078_00160_37288_8221.N1	18-APR-2009 01:48:56	Twilight	28.500	92	53Eps Cyg	2.5000	4500.0	57	37288	No
15	GOM_NL__2PRFIN20090418_015634_000000252078_00160_37288_8222.N1	18-APR-2009 01:56:34	Dark	25.000	61	8Eps Peg	2.1000	3900.0	50	37288	No
16	GOM_NL__2PRFIN20090418_020147_000000282078_00160_37288_8223.N1	18-APR-2009 02:01:47	Dark	28.000	154	22Bet Aqr	2.8990	5700.0	56	37288	No
17	GOM_NL__2PRFIN20090418_022216_000000282078_00161_37289_8226.N1	18-APR-2009 02:22:16	Dark	28.000	38	20Eps Sgr	1.8360	11000.	56	37289	No
18	GOM_NL__2PRFIN20090418_022405_000000352078_00161_37289_8227.N1	18-APR-2009 02:24:05	Dark	35.000	147	Alp Ara	2.8770	26000.	70	37289	No
19	GOM_NL__2PRFIN20090418_022603_000000452078_00161_37289_8228.N1	18-APR-2009 02:26:03	Straylight	44.500	25	35Lam Sco	1.6200	28000.	89	37289	No
20	GOM_NL__2PRFIN20090418_023125_000000332078_00161_37289_8229.N1	18-APR-2009 02:31:25	Straylight	33.000	131	Gam Lup	2.8000	26000.	66	37289	No
21	GOM_NL__2PRFIN20090418_024126_000000372078_00161_37289_8230.N1	18-APR-2009 02:41:26	Bright	37.000	122	9Alp2Lib	2.7470	9700.0	74	37289	No
22	GOM_NL__2PRFIN20090418_025322_000000352078_00161_37289_8231.N1	18-APR-2009 02:53:22	Bright	34.500	111	8Eta Boo	2.6800	6000.0	69	37289	No
23	GOM_NL__2PRFIN20090418_030105_000000382078_00161_37289_8232.N1	18-APR-2009 03:01:05	Bright	38.000	180	27Gam Boo	3.0400	8000.0	76	37289	No
24	GOM_NL__2PRFIN20090418_031047_000000332078_00161_37289_8233.N1	18-APR-2009 03:10:47	Twilight	33.000	119	14Eta Dra	2.7270	4700.0	66	37289	No
25	GOM_NL__2PRFIN20090418_032503_000000292078_00161_37289_8234.N1	18-APR-2009 03:25:03	Twilight	29.000	19	50Alp Cyg	1.2460	10500.	58	37289	No
26	GOM_NL__2PRFIN20090418_032932_000000312078_00161_37289_8235.N1	18-APR-2009 03:29:32	Twilight	30.500	92	53Eps Cyg	2.5000	4500.0	61	37289	No
27	GOM_NL__2PRFIN20090418_033710_000000282078_00161_37289_8236.N1	18-APR-2009 03:37:10	Dark	27.500	61	8Eps Peg	2.1000	3900.0	55	37289	No
28	GOM_NL__2PRFIN20090418_034224_000000302078_00161_37289_8237.N1	18-APR-2009 03:42:24	Dark	29.500	154	22Bet Aqr	2.8990	5700.0	59	37289	No
29	GOM_NL__2PRFIN20090418_040253_000000272078_00162_37290_8241.N1	18-APR-2009 04:02:53	Dark	27.000	38	20Eps Sgr	1.8360	11000.	54	37290	No
30	GOM_NL__2PRFIN20090418_040442_000000342078_00162_37290_8242.N1	18-APR-2009 04:04:42	Dark	34.000	147	Alp Ara	2.8770	26000.	68	37290	No
31	GOM_NL__2PRFIN20090418_040640_000000432078_00162_37290_8243.N1	18-APR-2009 04:06:40	Straylight	43.000	25	35Lam Sco	1.6200	28000.	86	37290	No
32	GOM_NL__2PRFIN20090418_041201_000000322078_00162_37290_8244.N1	18-APR-2009 04:12:01	Straylight	32.000	131	Gam Lup	2.8000	26000.	64	37290	No
33	GOM_NL__2PRFIN20090418_042202_000000362078_00162_37290_8245.N1	18-APR-2009 04:22:02	Twilight	35.500	122	9Alp2Lib	2.7470	9700.0	71	37290	No
34	GOM_NL__2PRFIN20090418_043358_000000342078_00162_37290_8246.N1	18-APR-2009 04:33:58	Bright	33.500	111	8Eta Boo	2.6800	6000.0	67	37290	No
35	GOM_NL__2PRFIN20090418_044140_000000372078_00162_37290_8247.N1	18-APR-2009 04:41:40	Bright	36.500	180	27Gam Boo	3.0400	8000.0	73	37290	No
36	GOM_NL__2PRFIN20090418_045123_000000322078_00162_37290_8248.N1	18-APR-2009 04:51:23	Twilight	32.000	119	14Eta Dra	2.7270	4700.0	64	37290	No
37	GOM_NL__2PRFIN20090418_050539_000000282078_00162_37290_8249.N1	18-APR-2009 05:05:39	Twilight	27.500	19	50Alp Cyg	1.2460	10500.	55	37290	No
38	GOM_NL__2PRFIN20090418_051008_000000302078_00162_37290_8250.N1	18-APR-2009 05:10:08	Twilight	30.000	92	53Eps Cyg	2.5000	4500.0	60	37290	No
39	GOM_NL__2PRFIN20090418_051747_000000272078_00162_37290_8251.N1	18-APR-2009 05:17:47	Dark	26.500	61	8Eps Peg	2.1000	3900.0	53	37290	No
40	GOM_NL__2PRFIN20090418_052301_000000292078_00162_37290_8252.N1	18-APR-2009 05:23:01	Dark	29.000	154	22Bet Aqr	2.8990	5700.0	58	37290	No
41	GOM_NL__2PRFIN20090418_054331_000000272078_00163_37291_8255.N1	18-APR-2009 05:43:31	Dark	27.000	38	20Eps Sgr	1.8360	11000.	54	37291	No
42	GOM_NL__2PRFIN20090418_054519_000000342078_00163_37291_8256.N1	18-APR-2009 05:45:19	Dark	33.500	147	Alp Ara	2.8770	26000.	67	37291	No

43	GOM_NL__2PRFIN20090418_054717_000000432078_00163_37291_8257.N1	18-APR-2009 05:47:17	Straylight	43.000	25	35Lam Sco	1.6200	28000.	86	37291	No
44	GOM_NL__2PRFIN20090418_055238_000000322078_00163_37291_8258.N1	18-APR-2009 05:52:38	Straylight	32.000	131	Gam Lup	2.8000	26000.	64	37291	No
45	GOM_NL__2PRFIN20090418_060238_000000362078_00163_37291_8259.N1	18-APR-2009 06:02:38	Twi_and_stray	35.500	122	9Alp2Lib	2.7470	9700.0	71	37291	No
46	GOM_NL__2PRFIN20090418_061433_000000342078_00163_37291_8260.N1	18-APR-2009 06:14:33	Bright	33.500	111	8Eta Boo	2.6800	6000.0	67	37291	No
47	GOM_NL__2PRFIN20090418_062215_000000372078_00163_37291_8261.N1	18-APR-2009 06:22:15	Bright	36.500	180	27Gam Boo	3.0400	8000.0	73	37291	No
48	GOM_NL__2PRFIN20090418_063158_000000322078_00163_37291_8262.N1	18-APR-2009 06:31:58	Twi_and_stray	31.500	119	14Eta Dra	2.7270	4700.0	63	37291	No
49	GOM_NL__2PRFIN20090418_064615_000000282078_00163_37291_8263.N1	18-APR-2009 06:46:15	Twi_and_stray	28.000	19	50Alp Cyg	1.2460	10500.	56	37291	No
50	GOM_NL__2PRFIN20090418_065044_000000302078_00163_37291_8264.N1	18-APR-2009 06:50:44	Twi_and_stray	29.500	92	53Eps Cyg	2.5000	4500.0	59	37291	No
51	GOM_NL__2PRFIN20090418_065823_000000272078_00163_37291_8265.N1	18-APR-2009 06:58:23	Dark	26.500	61	8Eps Peg	2.1000	3900.0	53	37291	No
52	GOM_NL__2PRFIN20090418_070337_000000292078_00163_37291_8266.N1	18-APR-2009 07:03:37	Dark	28.500	154	22Bet Aqr	2.8990	5700.0	57	37291	No
53	GOM_NL__2PRFIN20090418_072408_000000252078_00164_37292_8270.N1	18-APR-2009 07:24:08	Dark	25.000	38	20Eps Sgr	1.8360	11000.	50	37292	No
54	GOM_NL__2PRFIN20090418_072555_000000342078_00164_37292_8271.N1	18-APR-2009 07:25:55	Dark	33.500	147	Alp Ara	2.8770	26000.	67	37292	No
55	GOM_NL__2PRFIN20090418_072754_000000432078_00164_37292_8272.N1	18-APR-2009 07:27:54	Straylight	43.000	25	35Lam Sco	1.6200	28000.	86	37292	No
56	GOM_NL__2PRFIN20090418_073315_000000322078_00164_37292_8273.N1	18-APR-2009 07:33:15	Straylight	32.000	131	Gam Lup	2.8000	26000.	64	37292	No
57	GOM_NL__2PRFIN20090418_074314_000000352078_00164_37292_8274.N1	18-APR-2009 07:43:14	Twi_and_stray	34.500	122	9Alp2Lib	2.7470	9700.0	69	37292	No
58	GOM_NL__2PRFIN20090418_075509_000000332078_00164_37292_8275.N1	18-APR-2009 07:55:09	Bright	32.500	111	8Eta Boo	2.6800	6000.0	65	37292	No
59	GOM_NL__2PRFIN20090418_080250_000000362078_00164_37292_8276.N1	18-APR-2009 08:02:50	Bright	36.000	180	27Gam Boo	3.0400	8000.0	72	37292	No
60	GOM_NL__2PRFIN20090418_081233_000000322078_00164_37292_8277.N1	18-APR-2009 08:12:33	Twi_and_stray	32.000	119	14Eta Dra	2.7270	4700.0	64	37292	No
61	GOM_NL__2PRFIN20090418_082651_000000282078_00164_37292_8278.N1	18-APR-2009 08:26:51	Twi_and_stray	27.500	19	50Alp Cyg	1.2460	10500.	55	37292	No
62	GOM_NL__2PRFIN20090418_083121_000000292078_00164_37292_8279.N1	18-APR-2009 08:31:21	Twi_and_stray	29.000	92	53Eps Cyg	2.5000	4500.0	58	37292	No
63	GOM_NL__2PRFIN20090418_083900_000000262078_00164_37292_8280.N1	18-APR-2009 08:39:00	Dark	26.000	61	8Eps Peg	2.1000	3900.0	52	37292	No
64	GOM_NL__2PRFIN20090418_084414_000000282078_00164_37292_8281.N1	18-APR-2009 08:44:14	Dark	28.000	154	22Bet Aqr	2.8990	5700.0	56	37292	No
65	GOM_NL__2PRFIN20090418_090446_000000252078_00165_37293_8284.N1	18-APR-2009 09:04:46	Dark	25.000	38	20Eps Sgr	1.8360	11000.	50	37293	No
66	GOM_NL__2PRFIN20090418_090632_000000192078_00165_37293_8285.N1	18-APR-2009 09:06:32	Dark	19.000	147	Alp Ara	2.8770	26000.	38	37293	No
67	GOM_NL__2PRFIN20090418_090832_000000242078_00165_37293_8286.N1	18-APR-2009 09:08:32	Straylight	24.000	25	35Lam Sco	1.6200	28000.	48	37293	No
68	GOM_NL__2PRFIN20090418_091351_000000332078_00165_37293_8287.N1	18-APR-2009 09:13:51	Straylight	32.500	131	Gam Lup	2.8000	26000.	65	37293	No
69	GOM_NL__2PRFIN20090418_092350_000000352078_00165_37293_8288.N1	18-APR-2009 09:23:50	Twi_and_stray	34.500	122	9Alp2Lib	2.7470	9700.0	69	37293	No
70	GOM_NL__2PRFIN20090418_093545_000000332078_00165_37293_8289.N1	18-APR-2009 09:35:45	Bright	33.000	111	8Eta Boo	2.6800	6000.0	66	37293	No
71	GOM_NL__2PRFIN20090418_094326_000000372078_00165_37293_8290.N1	18-APR-2009 09:43:26	Bright	36.500	180	27Gam Boo	3.0400	8000.0	73	37293	No
72	GOM_NL__2PRFIN20090418_095308_000000332078_00165_37293_8291.N1	18-APR-2009 09:53:08	Twi_and_stray	32.500	119	14Eta Dra	2.7270	4700.0	65	37293	No
73	GOM_NL__2PRFIN20090418_100726_000000282078_00165_37293_8292.N1	18-APR-2009 10:07:26	Twi_and_stray	27.500	19	50Alp Cyg	1.2460	10500.	55	37293	No
74	GOM_NL__2PRFIN20090418_101156_000000302078_00165_37293_8293.N1	18-APR-2009 10:11:56	Twi_and_stray	29.500	92	53Eps Cyg	2.5000	4500.0	59	37293	No
75	GOM_NL__2PRFIN20090418_101936_000000272078_00165_37293_8294.N1	18-APR-2009 10:19:36	Dark	26.500	61	8Eps Peg	2.1000	3900.0	53	37293	No
76	GOM_NL__2PRFIN20090418_102451_000000292078_00165_37293_8295.N1	18-APR-2009 10:24:51	Dark	28.500	154	22Bet Aqr	2.8990	5700.0	57	37293	No
77	GOM_NL__2PRFIN20090418_104709_000000332078_00166_37294_8298.N1	18-APR-2009 10:47:09	Dark	33.000	147	Alp Ara	2.8770	26000.	66	37294	No
78	GOM_NL__2PRFIN20090418_104909_000000422078_00166_37294_8299.N1	18-APR-2009 10:49:09	Straylight	42.000	25	35Lam Sco	1.6200	28000.	84	37294	No
79	GOM_NL__2PRFIN20090418_105428_000000322078_00166_37294_8300.N1	18-APR-2009 10:54:28	Straylight	31.500	131	Gam Lup	2.8000	26000.	63	37294	No
80	GOM_NL__2PRFIN20090418_110426_000000352078_00166_37294_8301.N1	18-APR-2009 11:04:26	Twi_and_stray	34.500	122	9Alp2Lib	2.7470	9700.0	69	37294	No
81	GOM_NL__2PRFIN20090418_111620_000000332078_00166_37294_8302.N1	18-APR-2009 11:16:20	Bright	33.000	111	8Eta Boo	2.6800	6000.0	66	37294	No
82	GOM_NL__2PRFIN20090418_112401_000000362078_00166_37294_8303.N1	18-APR-2009 11:24:01	Bright	36.000	180	27Gam Boo	3.0400	8000.0	72	37294	No
83	GOM_NL__2PRFIN20090418_113343_000000332078_00166_37294_8304.N1	18-APR-2009 11:33:43	Twi_and_stray	32.500	119	14Eta Dra	2.7270	4700.0	65	37294	No
84	GOM_NL__2PRFIN20090418_114802_000000282078_00166_37294_8305.N1	18-APR-2009 11:48:02	Twi_and_stray	27.500	19	50Alp Cyg	1.2460	10500.	55	37294	No
85	GOM_NL__2PRFIN20090418_115233_000000292078_00166_37294_8306.N1	18-APR-2009 11:52:33	Twi_and_stray	29.000	92	53Eps Cyg	2.5000	4500.0	58	37294	No
86	GOM_NL__2PRFIN20090418_120013_000000262078_00166_37294_8307.N1	18-APR-2009 12:00:13	Dark	26.000	61	8Eps Peg	2.1000	3900.0	52	37294	No
87	GOM_NL__2PRFIN20090418_120527_000000292078_00166_37294_8308.N1	18-APR-2009 12:05:27	Dark	28.500	154	22Bet Aqr	2.8990	5700.0	57	37294	No
88	GOM_NL__2PRFIN20090418_122746_000000332078_00167_37295_8332.N1	18-APR-2009 12:27:46	Dark	33.000	147	Alp Ara	2.8770	26000.	66	37295	No
89	GOM_NL__2PRFIN20090418_122946_000000422078_00167_37295_8333.N1	18-APR-2009 12:29:46	Straylight	42.000	25	35Lam Sco	1.6200	28000.	84	37295	No
90	GOM_NL__2PRFIN20090418_123504_000000322078_00167_37295_8334.N1	18-APR-2009 12:35:04	Straylight	31.500	131	Gam Lup	2.8000	26000.	63	37295	No
91	GOM_NL__2PRFIN20090418_124502_000000342078_00167_37295_8335.N1	18-APR-2009 12:45:02	Twi_and_stray	34.000	122	9Alp2Lib	2.7470	9700.0	68	37295	No
92	GOM_NL__2PRFIN20090418_125655_000000332078_00167_37295_8336.N1	18-APR-2009 12:56:55	Bright	32.500	111	8Eta Boo	2.6800	6000.0	65	37295	No
93	GOM_NL__2PRFIN20090418_130436_000000362078_00167_37295_8337.N1	18-APR-2009 13:04:36	Bright	35.500	180	27Gam Boo	3.0400	8000.0	71	37295	No
94	GOM_NL__2PRFIN20090418_132838_000000272078_00167_37295_8338.N1	18-APR-2009 13:28:38	Twi_and_stray	27.000	19	50Alp Cyg	1.2460	10500.	54	37295	No
95	GOM_NL__2PRFIN20090418_133309_000000292078_00167_37295_8339.N1	18-APR-2009 13:33:09	Twi_and_stray	28.500	92	53Eps Cyg	2.5000	4500.0	57	37295	No
96	GOM_NL__2PRFIN20090418_134049_000000262078_00167_37295_8340.N1	18-APR-2009 13:40:49	Dark	25.500	61	8Eps Peg	2.1000	3900.0	51	37295	No
97	GOM_NL__2PRFIN20090418_134604_000000282078_00167_37295_8341.N1	18-APR-2009 13:46:04	Dark	28.000	154	22Bet Aqr	2.8990	5700.0	56	37295	No
98	GOM_NL__2PRFIN20090418_140822_000000352078_00168_37296_8346.N1	18-APR-2009 14:08:22	Dark	34.500	147	Alp Ara	2.8770	26000.	69	37296	No
99	GOM_NL__2PRFIN20090418_141023_000000412078_00168_37296_8347.N1	18-APR-2009 14:10:23	Straylight	40.500	25	35Lam Sco	1.6200	28000.	81	37296	No
100	GOM_NL__2PRFIN20090418_141412_000000252078_00168_37296_8348.N1	18-APR-2009 14:14:12	Straylight	25.000	75	26Eps Sco	2.2910	4250.0	50	37296	No
101	GOM_NL__2PRFIN20090418_141540_000000302078_00168_37296_8349.N1	18-APR-2009 14:15:40	Straylight	30.000	131	Gam Lup	2.8000	26000.	60	37296	No

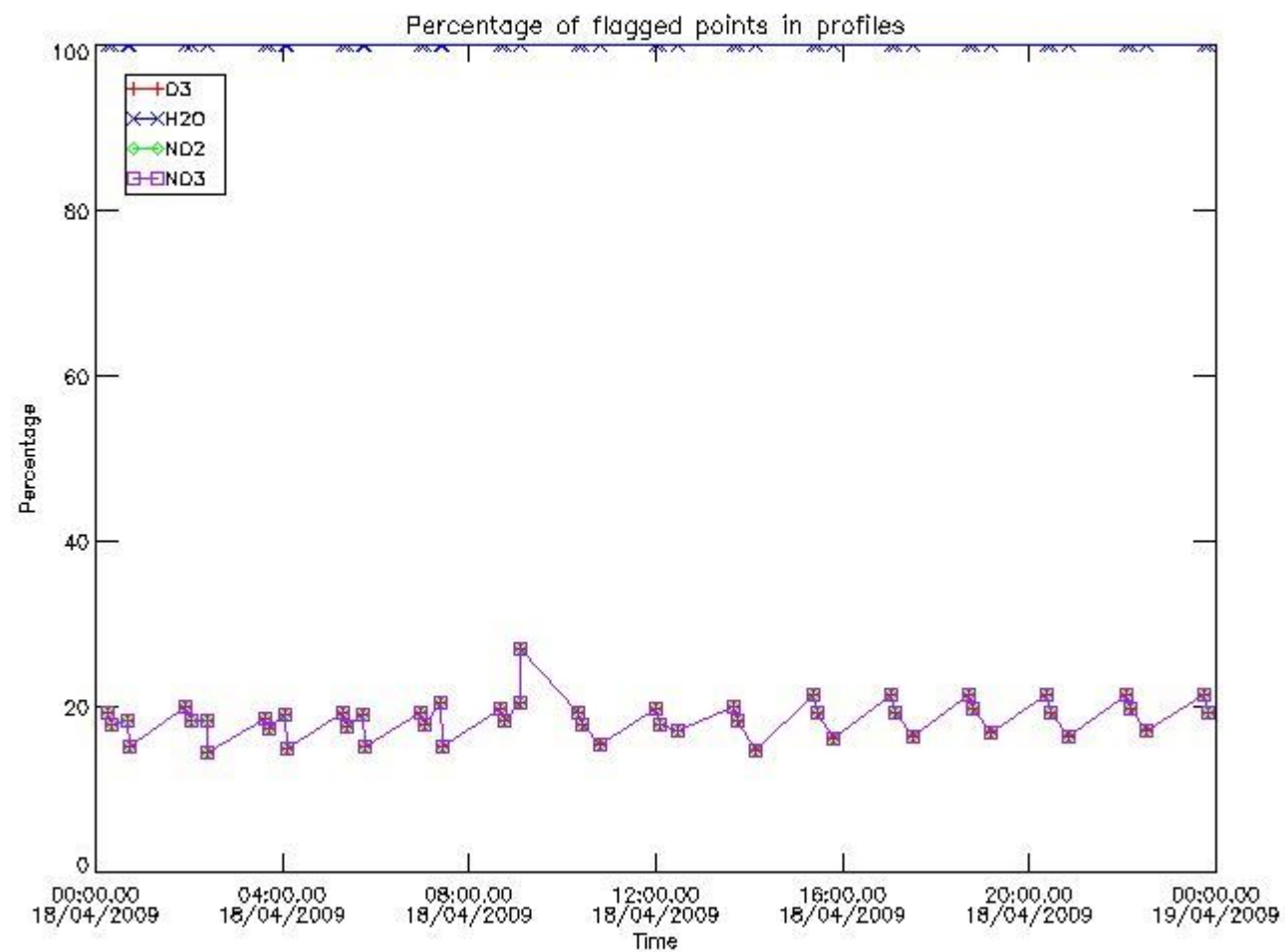
102	GOM_NL__2PRFIN20090418_142538_000000332078_00168_37296_8350.N1	18-APR-2009 14:25:38	Twilight	33.000	122	9Alp2Lib	2.7470	9700.0	66	37296	No
103	GOM_NL__2PRFIN20090418_143731_000000322078_00168_37296_8351.N1	18-APR-2009 14:37:31	Twilight	31.500	111	8Eta Boo	2.6800	6000.0	63	37296	No
104	GOM_NL__2PRFIN20090418_144511_000000342078_00168_37296_8352.N1	18-APR-2009 14:45:11	Twilight	34.000	180	27Gam Boo	3.0400	8000.0	68	37296	No
105	GOM_NL__2PRFIN20090418_145454_000000312078_00168_37296_8353.N1	18-APR-2009 14:54:54	Twilight	30.500	119	14Eta Dra	2.7270	4700.0	61	37296	No
106	GOM_NL__2PRFIN20090418_150914_000000262078_00168_37296_8354.N1	18-APR-2009 15:09:14	Twilight	25.500	19	50Alp Cyg	1.2460	10500.	51	37296	No
107	GOM_NL__2PRFIN20090418_151345_000000272078_00168_37296_8355.N1	18-APR-2009 15:13:45	Twilight	26.500	92	53Eps Cyg	2.5000	4500.0	53	37296	No
108	GOM_NL__2PRFIN20090418_152126_000000242078_00168_37296_8356.N1	18-APR-2009 15:21:26	Dark	24.000	61	8Eps Peg	2.1000	3900.0	48	37296	No
109	GOM_NL__2PRFIN20090418_152641_000000272078_00168_37296_8357.N1	18-APR-2009 15:26:41	Dark	26.500	154	22Bet Aqr	2.8990	5700.0	53	37296	No
110	GOM_NL__2PRFIN20090418_154859_000000322078_00169_37297_8362.N1	18-APR-2009 15:48:59	Dark	31.500	147	Alp Ara	2.8770	26000.	63	37297	No
111	GOM_NL__2PRFIN20090418_155100_000000402078_00169_37297_8363.N1	18-APR-2009 15:51:00	Straylight	39.500	25	35Lam Sco	1.6200	28000.	79	37297	No
112	GOM_NL__2PRFIN20090418_155449_000000252078_00169_37297_8364.N1	18-APR-2009 15:54:49	Straylight	25.000	75	26Eps Sco	2.2910	4250.0	50	37297	No
113	GOM_NL__2PRFIN20090418_155617_000000292078_00169_37297_8365.N1	18-APR-2009 15:56:17	Straylight	29.000	131	Gam Lup	2.8000	26000.	58	37297	No
114	GOM_NL__2PRFIN20090418_160614_000000332078_00169_37297_8366.N1	18-APR-2009 16:06:14	Twilight	32.500	122	9Alp2Lib	2.7470	9700.0	65	37297	No
115	GOM_NL__2PRFIN20090418_161807_000000312078_00169_37297_8367.N1	18-APR-2009 16:18:07	Twilight	30.500	111	8Eta Boo	2.6800	6000.0	61	37297	No
116	GOM_NL__2PRFIN20090418_162546_000000342078_00169_37297_8368.N1	18-APR-2009 16:25:46	Twilight	33.500	180	27Gam Boo	3.0400	8000.0	67	37297	No
117	GOM_NL__2PRFIN20090418_163529_000000302078_00169_37297_8369.N1	18-APR-2009 16:35:29	Twilight	30.000	119	14Eta Dra	2.7270	4700.0	60	37297	No
118	GOM_NL__2PRFIN20090418_164949_000000252078_00169_37297_8370.N1	18-APR-2009 16:49:49	Twilight	25.000	19	50Alp Cyg	1.2460	10500.	50	37297	No
119	GOM_NL__2PRFIN20090418_165421_000000272078_00169_37297_8371.N1	18-APR-2009 16:54:21	Twilight	27.000	92	53Eps Cyg	2.5000	4500.0	54	37297	No
120	GOM_NL__2PRFIN20090418_170202_000000242078_00169_37297_8372.N1	18-APR-2009 17:02:02	Dark	24.000	61	8Eps Peg	2.1000	3900.0	48	37297	No
121	GOM_NL__2PRFIN20090418_170717_000000272078_00169_37297_8373.N1	18-APR-2009 17:07:17	Dark	26.500	154	22Bet Aqr	2.8990	5700.0	53	37297	No
122	GOM_NL__2PRFIN20090418_172936_000000312078_00170_37298_8378.N1	18-APR-2009 17:29:36	Dark	31.000	147	Alp Ara	2.8770	26000.	62	37298	No
123	GOM_NL__2PRFIN20090418_173138_000000402078_00170_37298_8379.N1	18-APR-2009 17:31:38	Straylight	40.000	25	35Lam Sco	1.6200	28000.	80	37298	No
124	GOM_NL__2PRFIN20090418_173526_000000262078_00170_37298_8380.N1	18-APR-2009 17:35:26	Straylight	26.000	75	26Eps Sco	2.2910	4250.0	52	37298	No
125	GOM_NL__2PRFIN20090418_173654_000000302078_00170_37298_8381.N1	18-APR-2009 17:36:54	Straylight	29.500	131	Gam Lup	2.8000	26000.	59	37298	No
126	GOM_NL__2PRFIN20090418_174651_000000332078_00170_37298_8382.N1	18-APR-2009 17:46:51	Twilight	32.500	122	9Alp2Lib	2.7470	9700.0	65	37298	No
127	GOM_NL__2PRFIN20090418_175842_000000312078_00170_37298_8383.N1	18-APR-2009 17:58:42	Twilight	30.500	111	8Eta Boo	2.6800	6000.0	61	37298	No
128	GOM_NL__2PRFIN20090418_180622_000000332078_00170_37298_8384.N1	18-APR-2009 18:06:22	Twilight	33.000	180	27Gam Boo	3.0400	8000.0	66	37298	No
129	GOM_NL__2PRFIN20090418_181605_000000302078_00170_37298_8385.N1	18-APR-2009 18:16:05	Twilight	30.000	119	14Eta Dra	2.7270	4700.0	60	37298	No
130	GOM_NL__2PRFIN20090418_183025_000000252078_00170_37298_8386.N1	18-APR-2009 18:30:25	Twilight	25.000	19	50Alp Cyg	1.2460	10500.	50	37298	No
131	GOM_NL__2PRFIN20090418_183457_000000272078_00170_37298_8387.N1	18-APR-2009 18:34:57	Twilight	26.500	92	53Eps Cyg	2.5000	4500.0	53	37298	No
132	GOM_NL__2PRFIN20090418_184238_000000242078_00170_37298_8388.N1	18-APR-2009 18:42:38	Dark	24.000	61	8Eps Peg	2.1000	3900.0	48	37298	No
133	GOM_NL__2PRFIN20090418_184754_000000262078_00170_37298_8389.N1	18-APR-2009 18:47:54	Dark	26.000	154	22Bet Aqr	2.8990	5700.0	52	37298	No
134	GOM_NL__2PRFIN20090418_191013_000000312078_00171_37299_8395.N1	18-APR-2009 19:10:13	Dark	30.500	147	Alp Ara	2.8770	26000.	61	37299	No
135	GOM_NL__2PRFIN20090418_191215_000000422078_00171_37299_8396.N1	18-APR-2009 19:12:15	Straylight	41.500	25	35Lam Sco	1.6200	28000.	83	37299	No
136	GOM_NL__2PRFIN20090418_191603_000000262078_00171_37299_8397.N1	18-APR-2009 19:16:03	Straylight	26.000	75	26Eps Sco	2.2910	4250.0	52	37299	No
137	GOM_NL__2PRFIN20090418_191730_000000302078_00171_37299_8398.N1	18-APR-2009 19:17:30	Straylight	29.500	131	Gam Lup	2.8000	26000.	59	37299	No
138	GOM_NL__2PRFIN20090418_192727_000000332078_00171_37299_8399.N1	18-APR-2009 19:27:27	Twilight	32.500	122	9Alp2Lib	2.7470	9700.0	65	37299	No
139	GOM_NL__2PRFIN20090418_193918_000000312078_00171_37299_8400.N1	18-APR-2009 19:39:18	Twilight	31.000	111	8Eta Boo	2.6800	6000.0	62	37299	No
140	GOM_NL__2PRFIN20090418_194657_000000342078_00171_37299_8401.N1	18-APR-2009 19:46:57	Twilight	33.500	180	27Gam Boo	3.0400	8000.0	67	37299	No
141	GOM_NL__2PRFIN20090418_195640_000000302078_00171_37299_8402.N1	18-APR-2009 19:56:40	Twilight	30.000	119	14Eta Dra	2.7270	4700.0	60	37299	No
142	GOM_NL__2PRFIN20090418_201101_000000262078_00171_37299_8403.N1	18-APR-2009 20:11:01	Twilight	25.500	19	50Alp Cyg	1.2460	10500.	51	37299	No
143	GOM_NL__2PRFIN20090418_201533_000000272078_00171_37299_8404.N1	18-APR-2009 20:15:33	Twilight	27.000	92	53Eps Cyg	2.5000	4500.0	54	37299	No
144	GOM_NL__2PRFIN20090418_202315_000000242078_00171_37299_8405.N1	18-APR-2009 20:23:15	Dark	24.000	61	8Eps Peg	2.1000	3900.0	48	37299	No
145	GOM_NL__2PRFIN20090418_202831_000000272078_00171_37299_8406.N1	18-APR-2009 20:28:31	Dark	26.500	154	22Bet Aqr	2.8990	5700.0	53	37299	No
146	GOM_NL__2PRFIN20090418_205050_000000312078_00172_37300_8410.N1	18-APR-2009 20:50:50	Dark	31.000	147	Alp Ara	2.8770	26000.	62	37300	No
147	GOM_NL__2PRFIN20090418_205252_000000392078_00172_37300_8411.N1	18-APR-2009 20:52:52	Straylight	39.000	25	35Lam Sco	1.6200	28000.	78	37300	No
148	GOM_NL__2PRFIN20090418_205640_000000282078_00172_37300_8412.N1	18-APR-2009 20:56:40	Straylight	28.000	75	26Eps Sco	2.2910	4250.0	56	37300	No
149	GOM_NL__2PRFIN20090418_205807_000000292078_00172_37300_8413.N1	18-APR-2009 20:58:07	Straylight	29.000	131	Gam Lup	2.8000	26000.	58	37300	No
150	GOM_NL__2PRFIN20090418_210803_000000322078_00172_37300_8414.N1	18-APR-2009 21:08:03	Twilight	32.000	122	9Alp2Lib	2.7470	9700.0	64	37300	No
151	GOM_NL__2PRFIN20090418_211953_000000302078_00172_37300_8415.N1	18-APR-2009 21:19:53	Twilight	30.000	111	8Eta Boo	2.6800	6000.0	60	37300	No
152	GOM_NL__2PRFIN20090418_212732_000000332078_00172_37300_8416.N1	18-APR-2009 21:27:32	Twilight	33.000	180	27Gam Boo	3.0400	8000.0	66	37300	No
153	GOM_NL__2PRFIN20090418_213715_000000302078_00172_37300_8417.N1	18-APR-2009 21:37:15	Twilight	29.500	119	14Eta Dra	2.7270	4700.0	59	37300	No
154	GOM_NL__2PRFIN20090418_215137_000000252078_00172_37300_8418.N1	18-APR-2009 21:51:37	Twilight	25.000	19	50Alp Cyg	1.2460	10500.	50	37300	No
155	GOM_NL__2PRFIN20090418_215609_000000272078_00172_37300_8419.N1	18-APR-2009 21:56:09	Twilight	26.500	92	53Eps Cyg	2.5000	4500.0	53	37300	No
156	GOM_NL__2PRFIN20090418_220351_000000242078_00172_37300_8420.N1	18-APR-2009 22:03:51	Dark	24.000	61	8Eps Peg	2.1000	3900.0	48	37300	No
157	GOM_NL__2PRFIN20090418_220907_000000262078_00172_37300_8421.N1	18-APR-2009 22:09:07	Dark	26.000	154	22Bet Aqr	2.8990	5700.0	52	37300	No
158	GOM_NL__2PRFIN20090418_223127_000000302078_00173_37301_8431.N1	18-APR-2009 22:31:27	Dark	30.000	147	Alp Ara	2.8770	26000.	60	37301	No
159	GOM_NL__2PRFIN20090418_223329_000000392078_00173_37301_8432.N1	18-APR-2009 22:33:29	Straylight	38.500	25	35Lam Sco	1.6200	28000.	77	37301	No
160	GOM_NL__2PRFIN20090418_223717_000000282078_00173_37301_8433.N1	18-APR-2009 22:37:17	Straylight	28.000	75	26Eps Sco	2.2910	4250.0	56	37301	No

161	GOM_NL__2PRFIN20090418_223843_000000292078_00173_37301_8434.N1	18-APR-2009 22:38:43	Straylight	29.000	131	Gam Lup	2.8000	26000.	58	37301	No
162	GOM_NL__2PRFIN20090418_224839_000000322078_00173_37301_8435.N1	18-APR-2009 22:48:39	Twi_and_stray	31.500	122	9Alp2Lib	2.7470	9700.0	63	37301	No
163	GOM_NL__2PRFIN20090418_230029_000000302078_00173_37301_8436.N1	18-APR-2009 23:00:29	Twi_and_stray	30.000	111	8Eta Boo	2.6800	6000.0	60	37301	No
164	GOM_NL__2PRFIN20090418_230807_000000332078_00173_37301_8437.N1	18-APR-2009 23:08:07	Twi_and_stray	33.000	180	27Gam Boo	3.0400	8000.0	66	37301	No
165	GOM_NL__2PRFIN20090418_231750_000000302078_00173_37301_8438.N1	18-APR-2009 23:17:50	Twi_and_stray	30.000	119	14Eta Dra	2.7270	4700.0	60	37301	No
166	GOM_NL__2PRFIN20090418_233212_000000252078_00173_37301_8439.N1	18-APR-2009 23:32:12	Twi_and_stray	25.000	19	50Alp Cyg	1.2460	10500.	50	37301	No
167	GOM_NL__2PRFIN20090418_233645_000000272078_00173_37301_8440.N1	18-APR-2009 23:36:45	Twi_and_stray	26.500	92	53Eps Cyg	2.5000	4500.0	53	37301	No
168	GOM_NL__2PRFIN20090418_234428_000000242078_00173_37301_8441.N1	18-APR-2009 23:44:28	Dark	24.000	61	8Eps Peg	2.1000	3900.0	48	37301	No
169	GOM_NL__2PRFIN20090418_234944_000000262078_00173_37301_8442.N1	18-APR-2009 23:49:44	Dark	26.000	154	22Bet Aqr	2.8990	5700.0	52	37301	No

### 3. Quality information per product

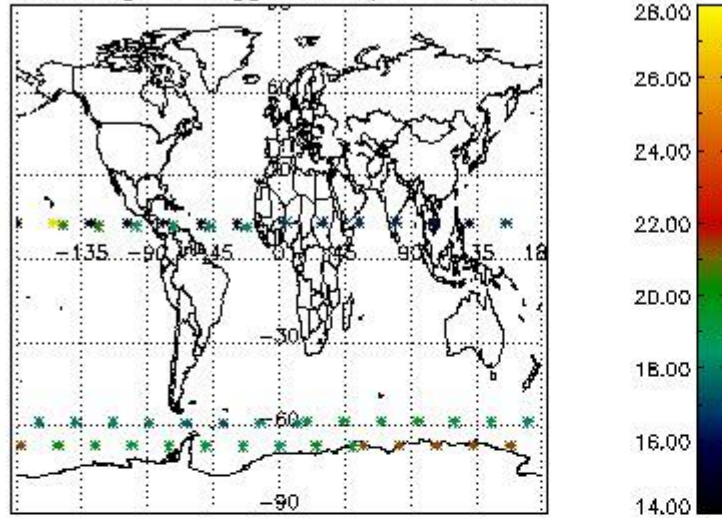
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

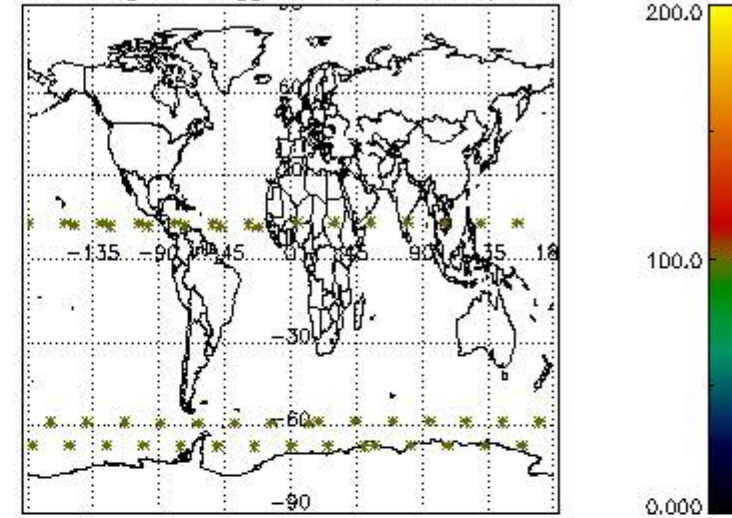


#### 3.2 Plot quality information per product (world map)

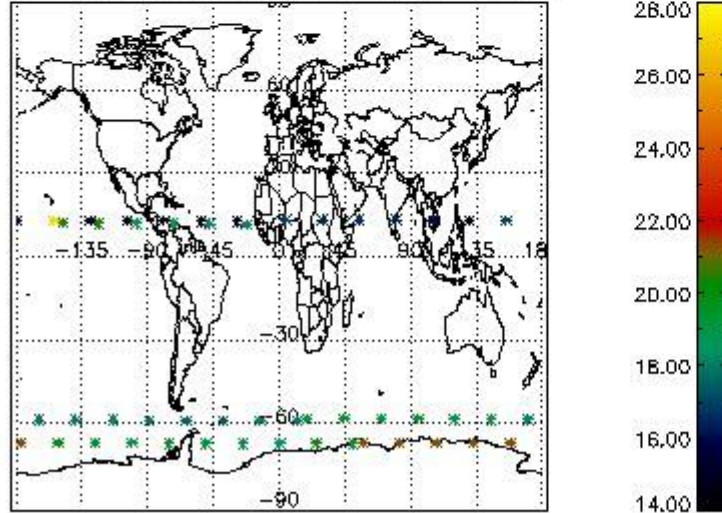
Percentage of flagged data per O3 profile



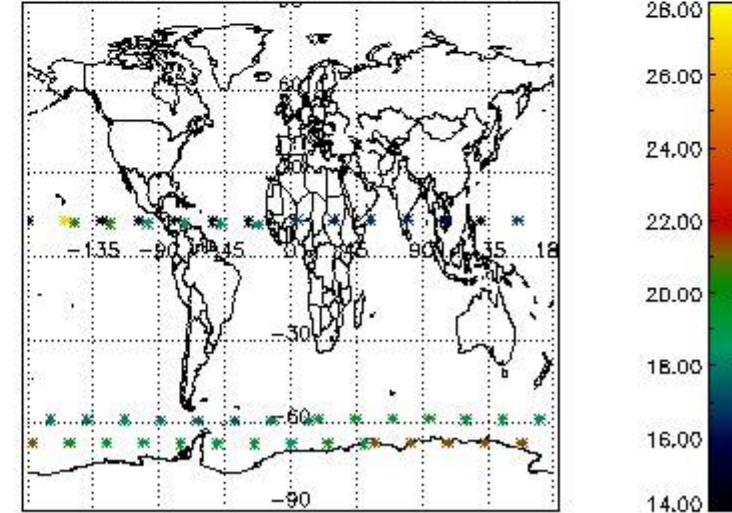
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

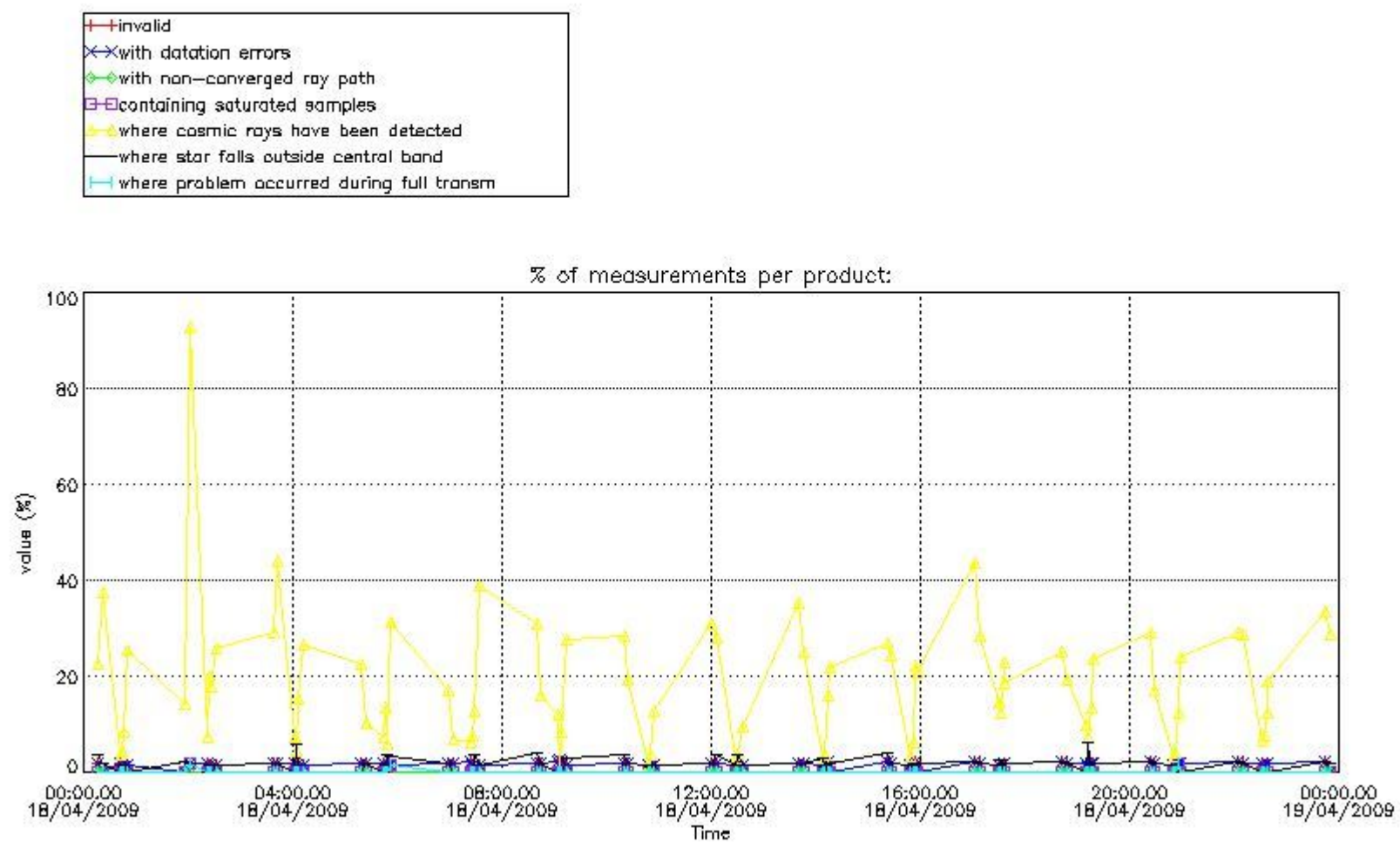


#### 4. Level 1 quality information per product

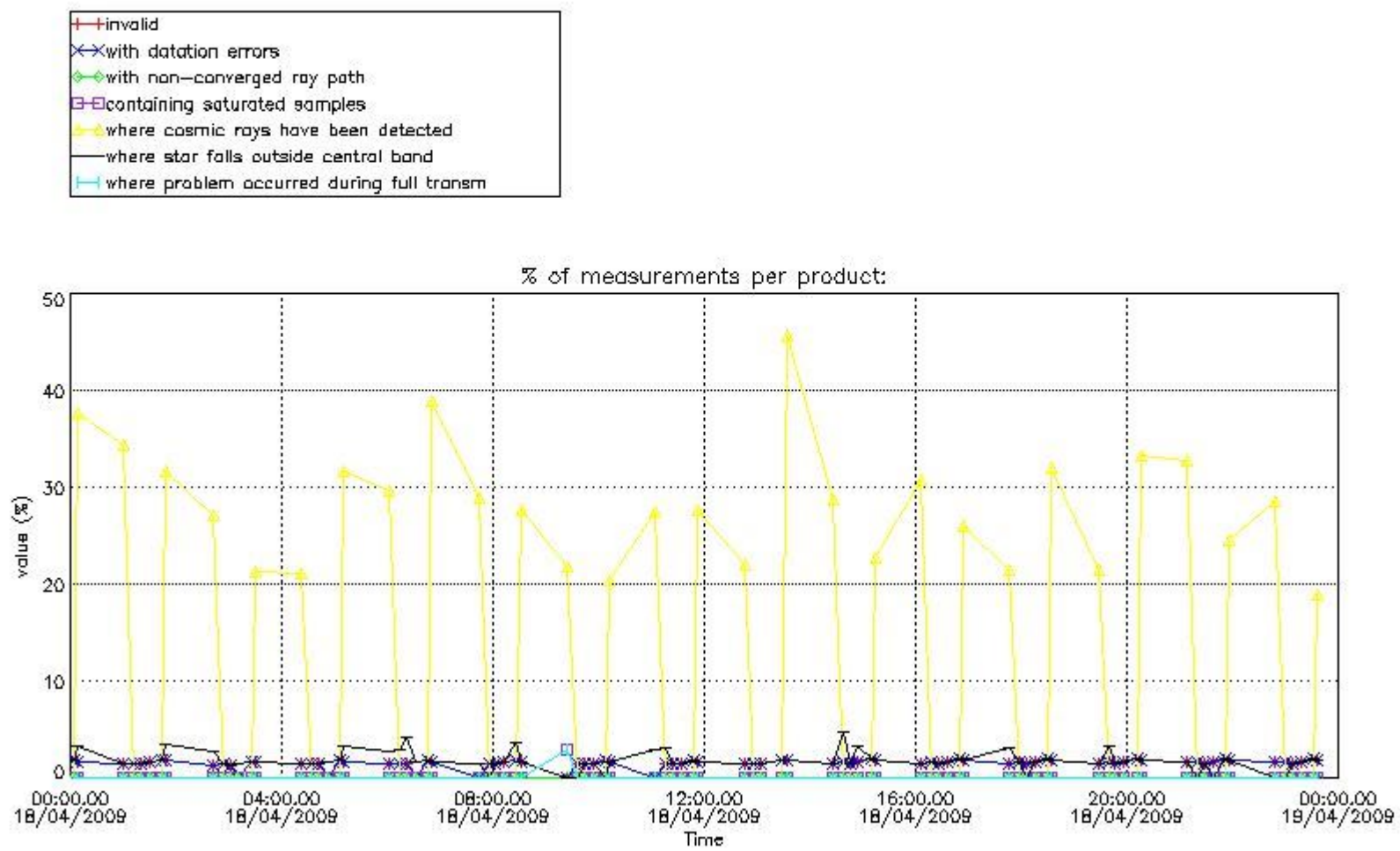
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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

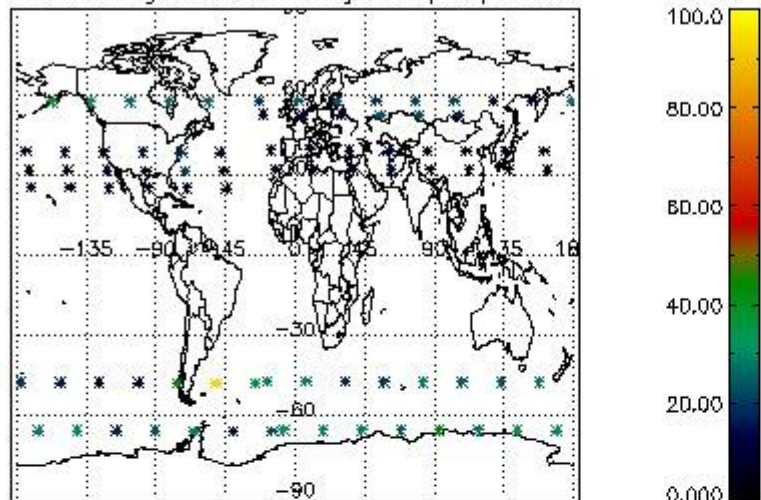


*4.2 Plot quality information per product coming from level 1b processing (world map)*

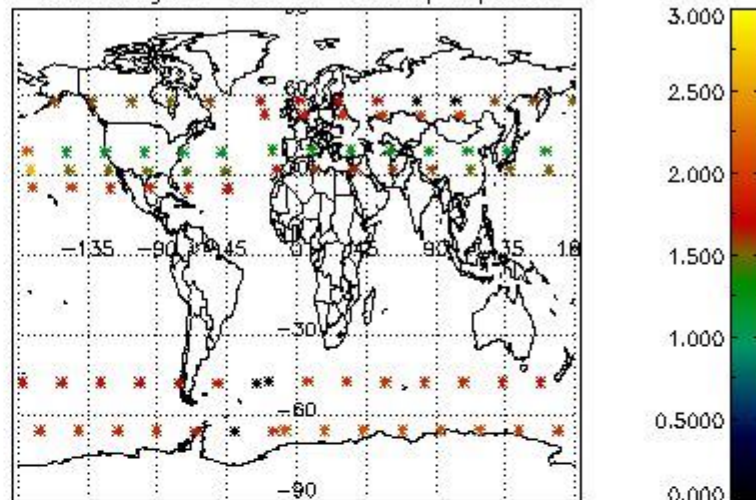
*4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes*



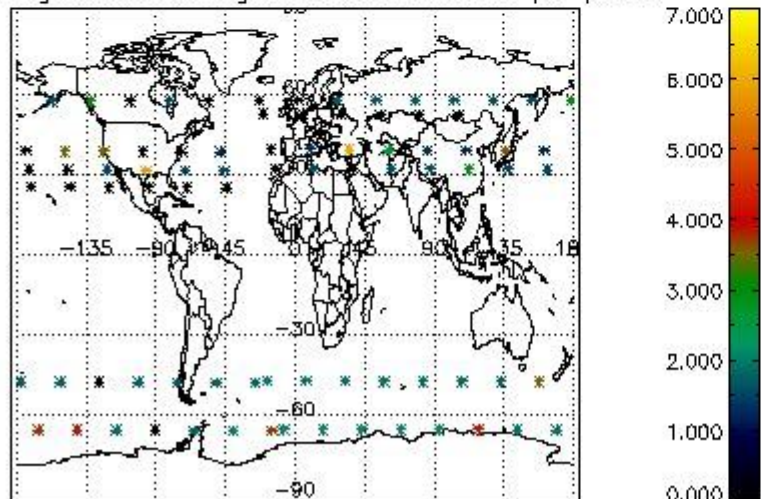
Percentage of cosmic ray hits per profile



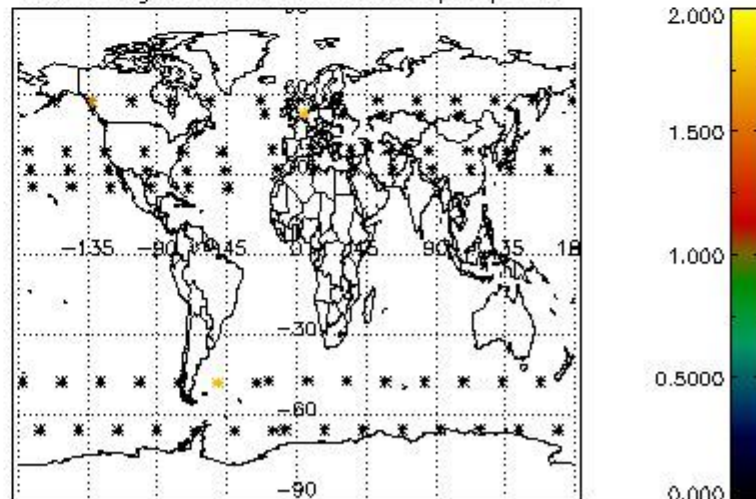
Percentage of datation errors per profile



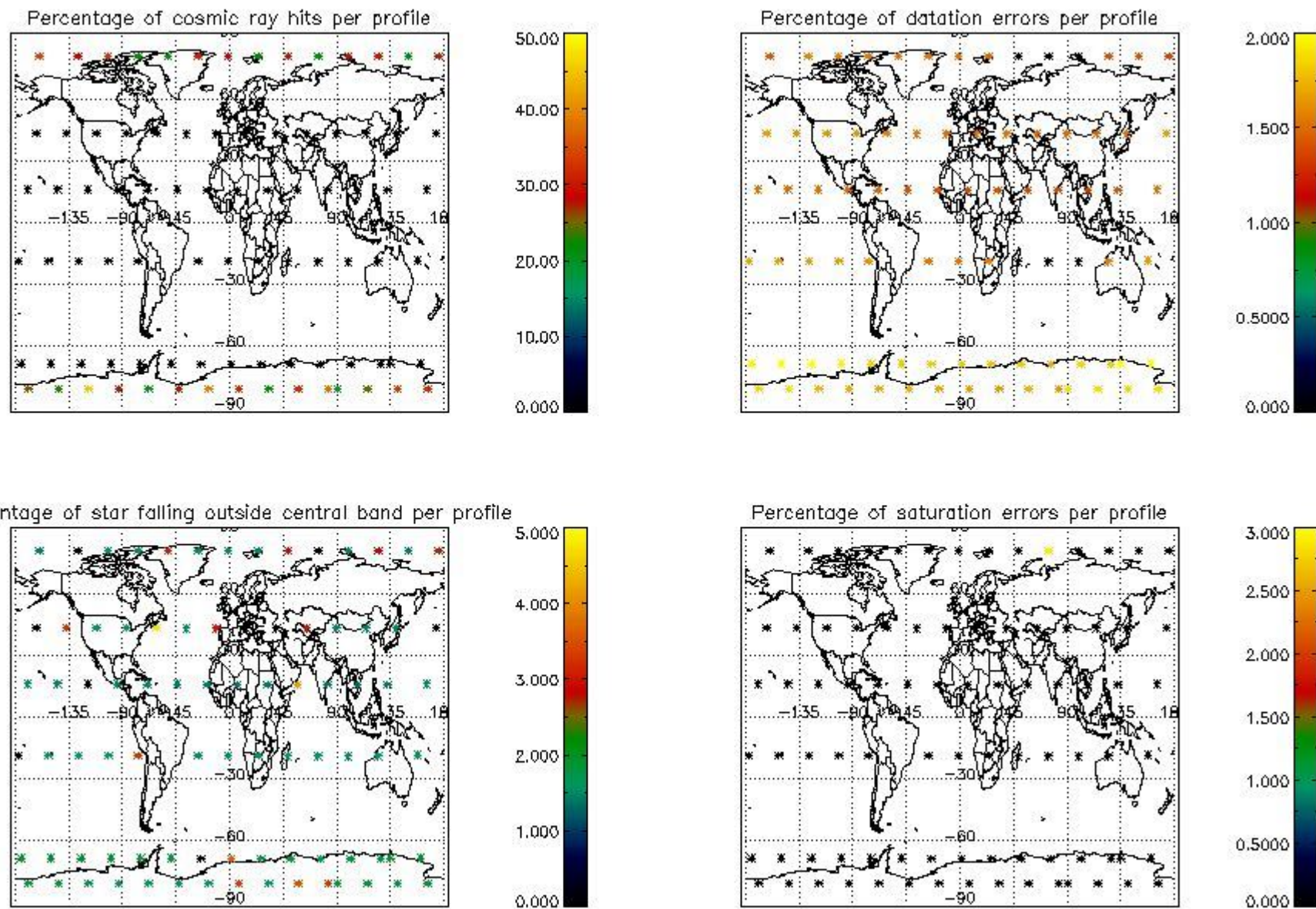
Percentage of star falling outside central band per profile



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

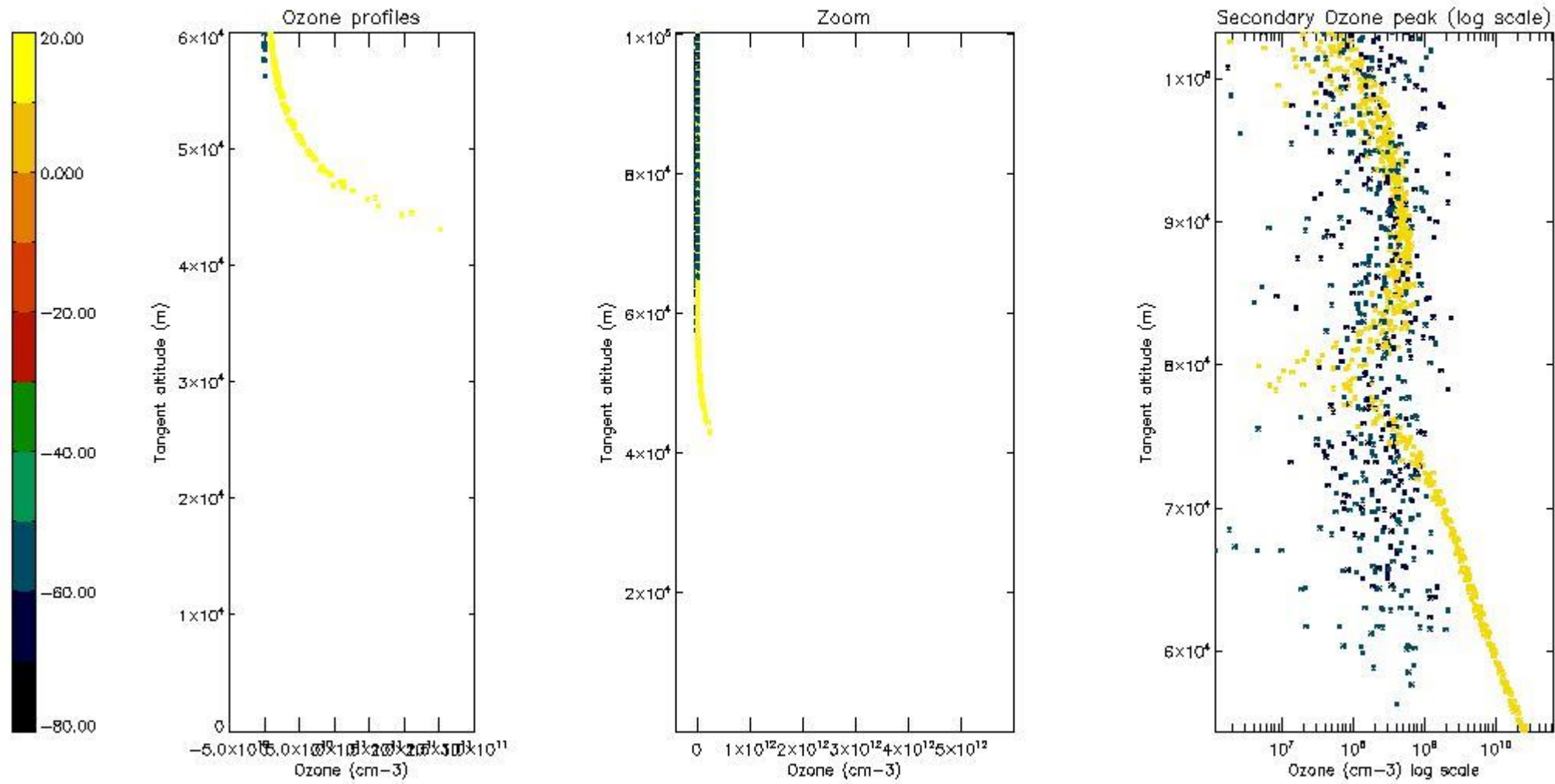
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	26
STD < 20	5

STD < 10	3
STD < 5	3

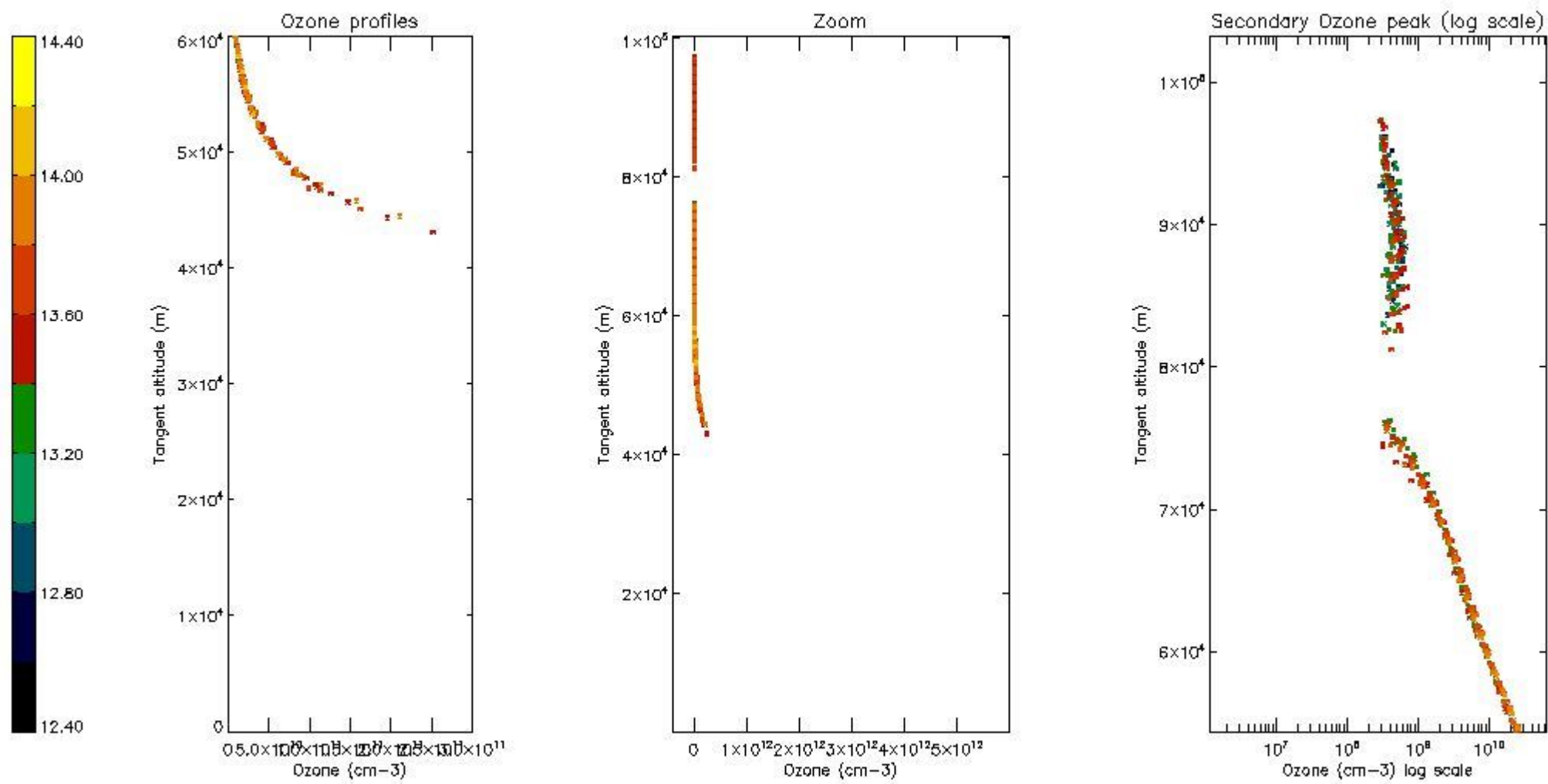
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



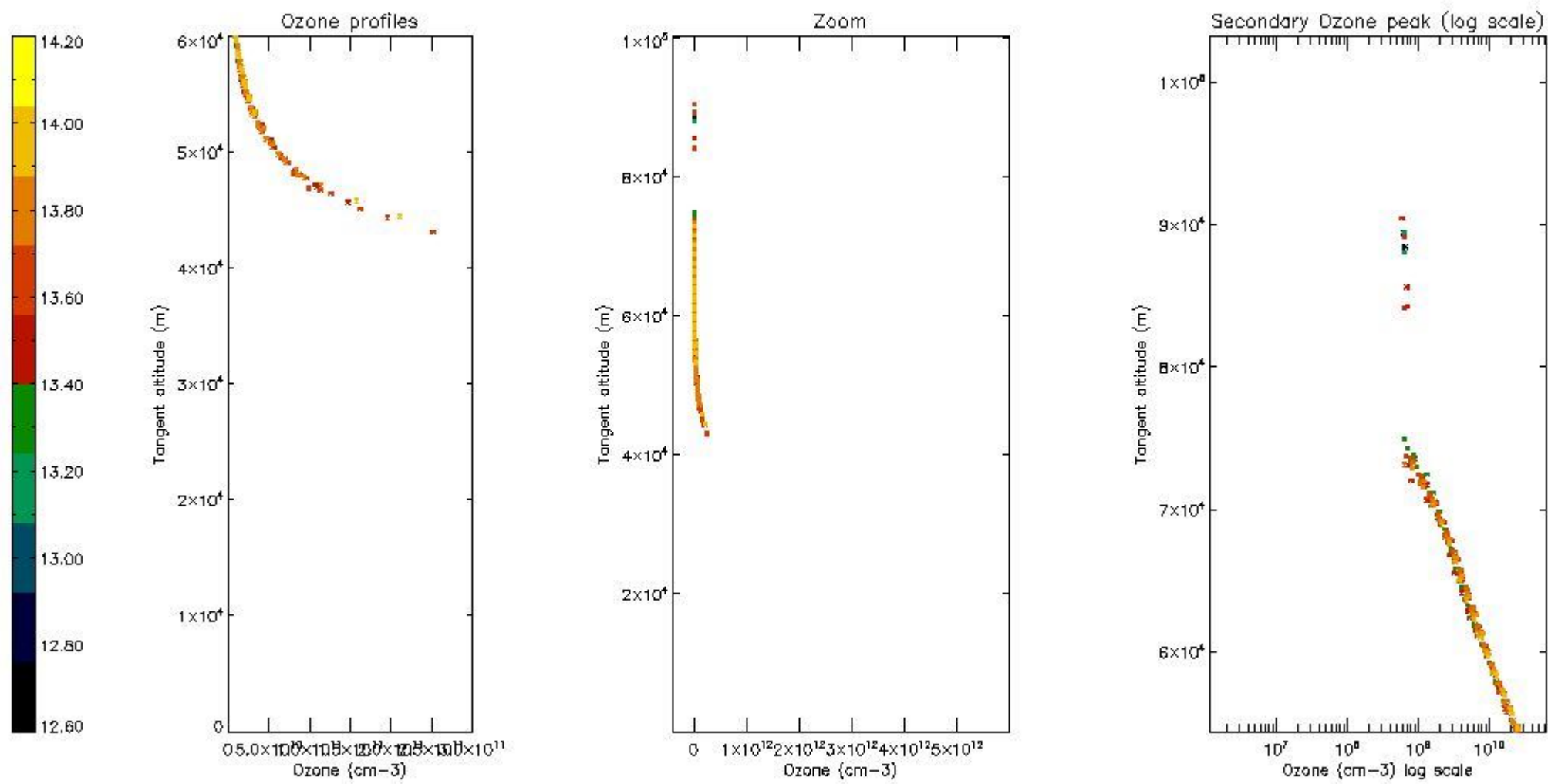
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



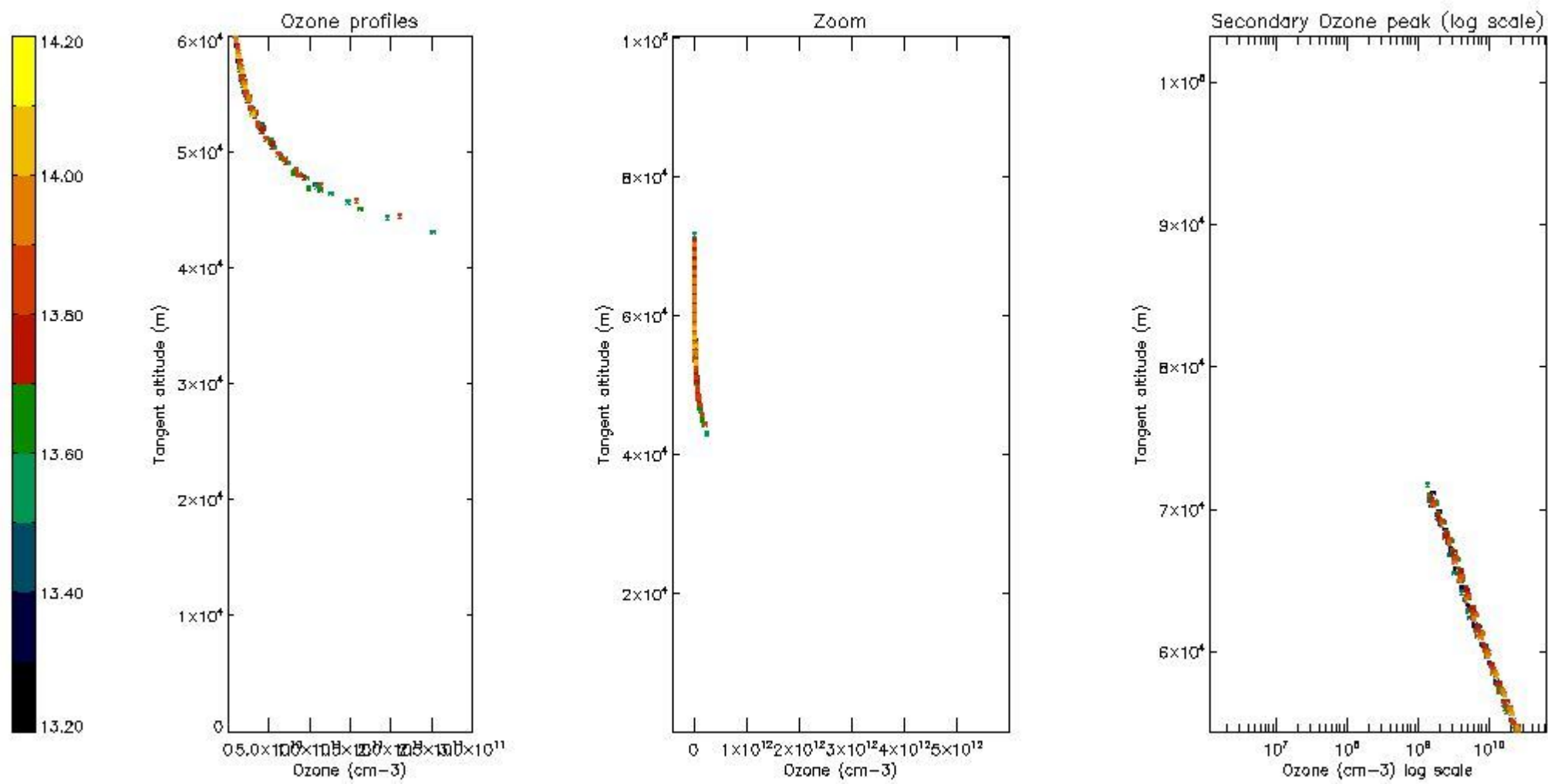
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



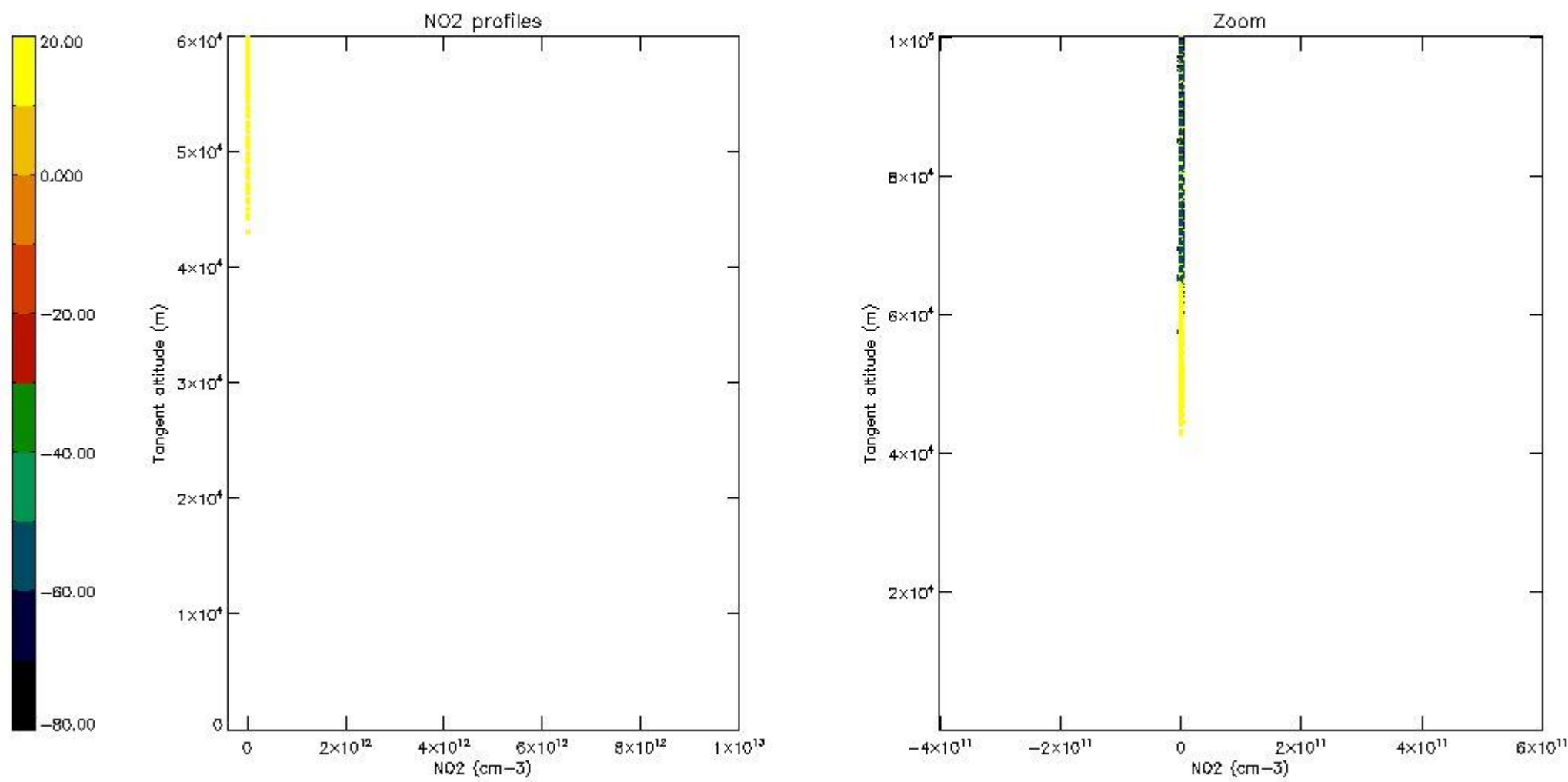
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



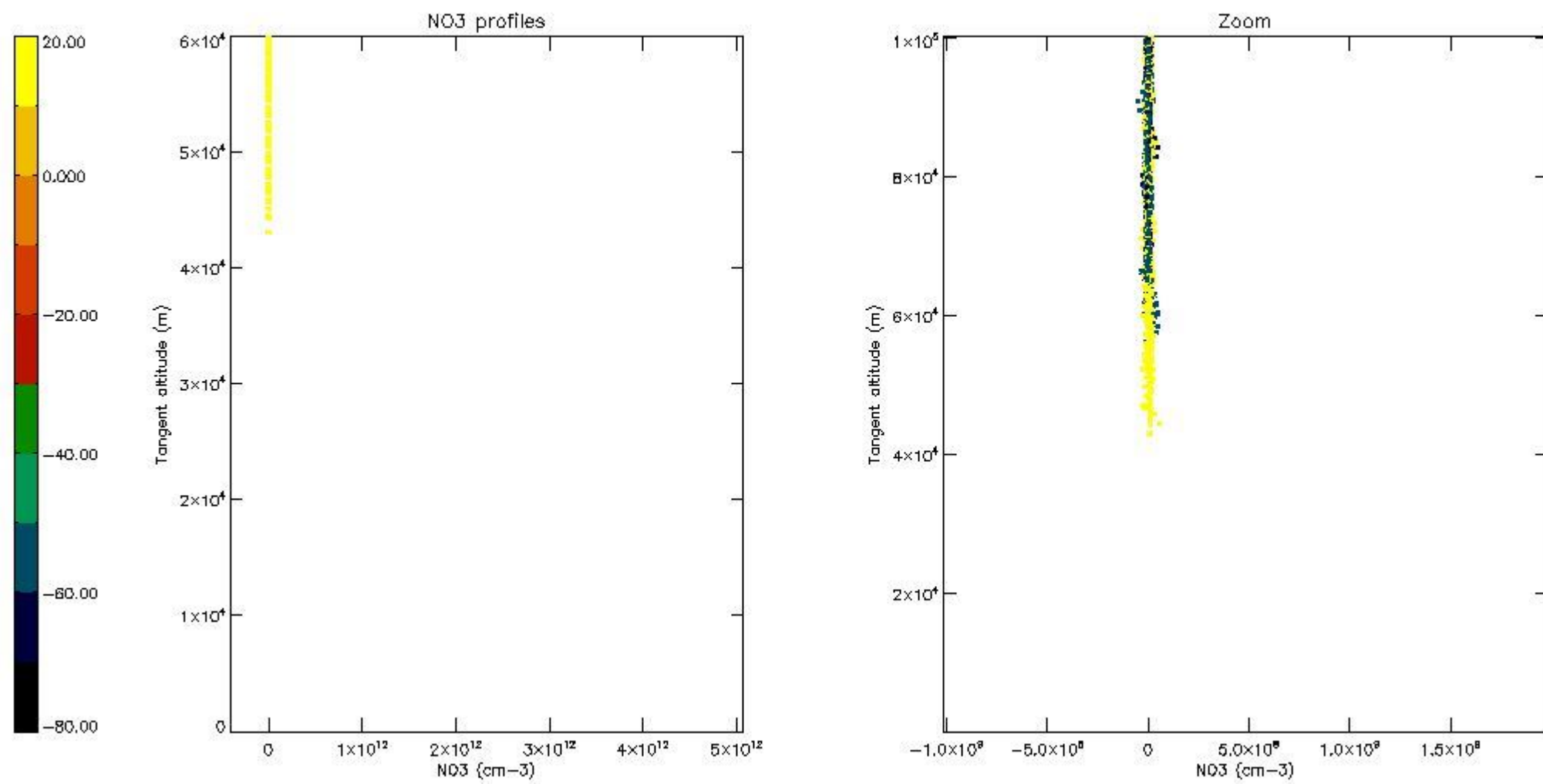
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	18-APR-2009 00:03:52
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	18-APR-2009 00:03:52
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	18-APR-2009 00:03:52



# GOMOS Level 2 Daily Report

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### [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	26APR2013 08:53:24
Data source version	GOMOS/6.01
Start time of products	18-04-2009 (18APR2009 00:00:00)
Stop time of products	19-04-2009 (19APR2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	169
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__2PRFIN20090418_000352_000000282078_00159_37287_8204.N1	18-APR-2009 00:03:52	Twilight	27.500	19	50Alp Cyg	1.2460	10500.	55	37287	No
2	GOM_NL__2PRFIN20090418_000820_000000312078_00159_37287_8205.N1	18-APR-2009 00:08:20	Twilight	30.500	92	53Eps Cyg	2.5000	4500.0	61	37287	No
3	GOM_NL__2PRFIN20090418_001558_000000272078_00159_37287_8206.N1	18-APR-2009 00:15:58	Dark	26.500	61	8Eps Peg	2.1000	3900.0	53	37287	No
4	GOM_NL__2PRFIN20090418_002111_000000282078_00159_37287_8207.N1	18-APR-2009 00:21:11	Dark	28.000	154	22Bet Aqr	2.8990	5700.0	56	37287	No
5	GOM_NL__2PRFIN20090418_004138_000000282078_00160_37288_8212.N1	18-APR-2009 00:41:38	Dark	28.000	38	20Eps Sgr	1.8360	11000.	56	37288	No
6	GOM_NL__2PRFIN20090418_004328_000000342078_00160_37288_8213.N1	18-APR-2009 00:43:28	Dark	33.500	147	Alp Ara	2.8770	26000.	67	37288	No
7	GOM_NL__2PRFIN20090418_004525_000000422078_00160_37288_8214.N1	18-APR-2009 00:45:25	Straylight	42.000	25	35Lam Sco	1.6200	28000.	84	37288	No
8	GOM_NL__2PRFIN20090418_005048_000000322078_00160_37288_8215.N1	18-APR-2009 00:50:48	Straylight	31.500	131	Gam Lup	2.8000	26000.	63	37288	No
9	GOM_NL__2PRFIN20090418_010050_000000352078_00160_37288_8216.N1	18-APR-2009 01:00:50	Twilight	35.000	122	9Alp2Lib	2.7470	9700.0	70	37288	No
10	GOM_NL__2PRFIN20090418_011247_000000332078_00160_37288_8217.N1	18-APR-2009 01:12:47	Bright	33.000	111	8Eta Boo	2.6800	6000.0	66	37288	No
11	GOM_NL__2PRFIN20090418_012030_000000362078_00160_37288_8218.N1	18-APR-2009 01:20:30	Bright	36.000	180	27Gam Boo	3.0400	8000.0	72	37288	No
12	GOM_NL__2PRFIN20090418_013012_000000322078_00160_37288_8219.N1	18-APR-2009 01:30:12	Twilight	32.000	119	14Eta Dra	2.7270	4700.0	64	37288	No
13	GOM_NL__2PRFIN20090418_014427_000000272078_00160_37288_8220.N1	18-APR-2009 01:44:27	Twilight	27.000	19	50Alp Cyg	1.2460	10500.	54	37288	No
14	GOM_NL__2PRFIN20090418_014856_000000292078_00160_37288_8221.N1	18-APR-2009 01:48:56	Twilight	28.500	92	53Eps Cyg	2.5000	4500.0	57	37288	No
15	GOM_NL__2PRFIN20090418_015634_000000252078_00160_37288_8222.N1	18-APR-2009 01:56:34	Dark	25.000	61	8Eps Peg	2.1000	3900.0	50	37288	No
16	GOM_NL__2PRFIN20090418_020147_000000282078_00160_37288_8223.N1	18-APR-2009 02:01:47	Dark	28.000	154	22Bet Aqr	2.8990	5700.0	56	37288	No
17	GOM_NL__2PRFIN20090418_022216_000000282078_00161_37289_8226.N1	18-APR-2009 02:22:16	Dark	28.000	38	20Eps Sgr	1.8360	11000.	56	37289	No
18	GOM_NL__2PRFIN20090418_022405_000000352078_00161_37289_8227.N1	18-APR-2009 02:24:05	Dark	35.000	147	Alp Ara	2.8770	26000.	70	37289	No
19	GOM_NL__2PRFIN20090418_022603_000000452078_00161_37289_8228.N1	18-APR-2009 02:26:03	Straylight	44.500	25	35Lam Sco	1.6200	28000.	89	37289	No
20	GOM_NL__2PRFIN20090418_023125_000000332078_00161_37289_8229.N1	18-APR-2009 02:31:25	Straylight	33.000	131	Gam Lup	2.8000	26000.	66	37289	No
21	GOM_NL__2PRFIN20090418_024126_000000372078_00161_37289_8230.N1	18-APR-2009 02:41:26	Bright	37.000	122	9Alp2Lib	2.7470	9700.0	74	37289	No
22	GOM_NL__2PRFIN20090418_025322_000000352078_00161_37289_8231.N1	18-APR-2009 02:53:22	Bright	34.500	111	8Eta Boo	2.6800	6000.0	69	37289	No
23	GOM_NL__2PRFIN20090418_030105_000000382078_00161_37289_8232.N1	18-APR-2009 03:01:05	Bright	38.000	180	27Gam Boo	3.0400	8000.0	76	37289	No
24	GOM_NL__2PRFIN20090418_031047_000000332078_00161_37289_8233.N1	18-APR-2009 03:10:47	Twilight	33.000	119	14Eta Dra	2.7270	4700.0	66	37289	No
25	GOM_NL__2PRFIN20090418_032503_000000292078_00161_37289_8234.N1	18-APR-2009 03:25:03	Twilight	29.000	19	50Alp Cyg	1.2460	10500.	58	37289	No
26	GOM_NL__2PRFIN20090418_032932_000000312078_00161_37289_8235.N1	18-APR-2009 03:29:32	Twilight	30.500	92	53Eps Cyg	2.5000	4500.0	61	37289	No
27	GOM_NL__2PRFIN20090418_033710_000000282078_00161_37289_8236.N1	18-APR-2009 03:37:10	Dark	27.500	61	8Eps Peg	2.1000	3900.0	55	37289	No
28	GOM_NL__2PRFIN20090418_034224_000000302078_00161_37289_8237.N1	18-APR-2009 03:42:24	Dark	29.500	154	22Bet Aqr	2.8990	5700.0	59	37289	No
29	GOM_NL__2PRFIN20090418_040253_000000272078_00162_37290_8241.N1	18-APR-2009 04:02:53	Dark	27.000	38	20Eps Sgr	1.8360	11000.	54	37290	No
30	GOM_NL__2PRFIN20090418_040442_000000342078_00162_37290_8242.N1	18-APR-2009 04:04:42	Dark	34.000	147	Alp Ara	2.8770	26000.	68	37290	No
31	GOM_NL__2PRFIN20090418_040640_000000432078_00162_37290_8243.N1	18-APR-2009 04:06:40	Straylight	43.000	25	35Lam Sco	1.6200	28000.	86	37290	No
32	GOM_NL__2PRFIN20090418_041201_000000322078_00162_37290_8244.N1	18-APR-2009 04:12:01	Straylight	32.000	131	Gam Lup	2.8000	26000.	64	37290	No
33	GOM_NL__2PRFIN20090418_042202_000000362078_00162_37290_8245.N1	18-APR-2009 04:22:02	Twilight	35.500	122	9Alp2Lib	2.7470	9700.0	71	37290	No
34	GOM_NL__2PRFIN20090418_043358_000000342078_00162_37290_8246.N1	18-APR-2009 04:33:58	Bright	33.500	111	8Eta Boo	2.6800	6000.0	67	37290	No
35	GOM_NL__2PRFIN20090418_044140_000000372078_00162_37290_8247.N1	18-APR-2009 04:41:40	Bright	36.500	180	27Gam Boo	3.0400	8000.0	73	37290	No
36	GOM_NL__2PRFIN20090418_045123_000000322078_00162_37290_8248.N1	18-APR-2009 04:51:23	Twilight	32.000	119	14Eta Dra	2.7270	4700.0	64	37290	No
37	GOM_NL__2PRFIN20090418_050539_000000282078_00162_37290_8249.N1	18-APR-2009 05:05:39	Twilight	27.500	19	50Alp Cyg	1.2460	10500.	55	37290	No
38	GOM_NL__2PRFIN20090418_051008_000000302078_00162_37290_8250.N1	18-APR-2009 05:10:08	Twilight	30.000	92	53Eps Cyg	2.5000	4500.0	60	37290	No
39	GOM_NL__2PRFIN20090418_051747_000000272078_00162_37290_8251.N1	18-APR-2009 05:17:47	Dark	26.500	61	8Eps Peg	2.1000	3900.0	53	37290	No
40	GOM_NL__2PRFIN20090418_052301_000000292078_00162_37290_8252.N1	18-APR-2009 05:23:01	Dark	29.000	154	22Bet Aqr	2.8990	5700.0	58	37290	No
41	GOM_NL__2PRFIN20090418_054331_000000272078_00163_37291_8255.N1	18-APR-2009 05:43:31	Dark	27.000	38	20Eps Sgr	1.8360	11000.	54	37291	No
42	GOM_NL__2PRFIN20090418_054519_000000342078_00163_37291_8256.N1	18-APR-2009 05:45:19	Dark	33.500	147	Alp Ara	2.8770	26000.	67	37291	No

43	GOM_NL__2PRFIN20090418_054717_000000432078_00163_37291_8257.N1	18-APR-2009 05:47:17	Straylight	43.000	25	35Lam Sco	1.6200	28000.	86	37291	No
44	GOM_NL__2PRFIN20090418_055238_000000322078_00163_37291_8258.N1	18-APR-2009 05:52:38	Straylight	32.000	131	Gam Lup	2.8000	26000.	64	37291	No
45	GOM_NL__2PRFIN20090418_060238_000000362078_00163_37291_8259.N1	18-APR-2009 06:02:38	Tw_i_and_stray	35.500	122	9Alp2Lib	2.7470	9700.0	71	37291	No
46	GOM_NL__2PRFIN20090418_061433_000000342078_00163_37291_8260.N1	18-APR-2009 06:14:33	Bright	33.500	111	8Eta Boo	2.6800	6000.0	67	37291	No
47	GOM_NL__2PRFIN20090418_062215_000000372078_00163_37291_8261.N1	18-APR-2009 06:22:15	Bright	36.500	180	27Gam Boo	3.0400	8000.0	73	37291	No
48	GOM_NL__2PRFIN20090418_063158_000000322078_00163_37291_8262.N1	18-APR-2009 06:31:58	Tw_i_and_stray	31.500	119	14Eta Dra	2.7270	4700.0	63	37291	No
49	GOM_NL__2PRFIN20090418_064615_000000282078_00163_37291_8263.N1	18-APR-2009 06:46:15	Tw_i_and_stray	28.000	19	50Alp Cyg	1.2460	10500.	56	37291	No
50	GOM_NL__2PRFIN20090418_065044_000000302078_00163_37291_8264.N1	18-APR-2009 06:50:44	Tw_i_and_stray	29.500	92	53Eps Cyg	2.5000	4500.0	59	37291	No
51	GOM_NL__2PRFIN20090418_065823_000000272078_00163_37291_8265.N1	18-APR-2009 06:58:23	Dark	26.500	61	8Eps Peg	2.1000	3900.0	53	37291	No
52	GOM_NL__2PRFIN20090418_070337_000000292078_00163_37291_8266.N1	18-APR-2009 07:03:37	Dark	28.500	154	22Bet Aqr	2.8990	5700.0	57	37291	No
53	GOM_NL__2PRFIN20090418_072408_000000252078_00164_37292_8270.N1	18-APR-2009 07:24:08	Dark	25.000	38	20Eps Sgr	1.8360	11000.	50	37292	No
54	GOM_NL__2PRFIN20090418_072555_000000342078_00164_37292_8271.N1	18-APR-2009 07:25:55	Dark	33.500	147	Alp Ara	2.8770	26000.	67	37292	No
55	GOM_NL__2PRFIN20090418_072754_000000432078_00164_37292_8272.N1	18-APR-2009 07:27:54	Straylight	43.000	25	35Lam Sco	1.6200	28000.	86	37292	No
56	GOM_NL__2PRFIN20090418_073315_000000322078_00164_37292_8273.N1	18-APR-2009 07:33:15	Straylight	32.000	131	Gam Lup	2.8000	26000.	64	37292	No
57	GOM_NL__2PRFIN20090418_074314_000000352078_00164_37292_8274.N1	18-APR-2009 07:43:14	Tw_i_and_stray	34.500	122	9Alp2Lib	2.7470	9700.0	69	37292	No
58	GOM_NL__2PRFIN20090418_075509_000000332078_00164_37292_8275.N1	18-APR-2009 07:55:09	Bright	32.500	111	8Eta Boo	2.6800	6000.0	65	37292	No
59	GOM_NL__2PRFIN20090418_080250_000000362078_00164_37292_8276.N1	18-APR-2009 08:02:50	Bright	36.000	180	27Gam Boo	3.0400	8000.0	72	37292	No
60	GOM_NL__2PRFIN20090418_081233_000000322078_00164_37292_8277.N1	18-APR-2009 08:12:33	Tw_i_and_stray	32.000	119	14Eta Dra	2.7270	4700.0	64	37292	No
61	GOM_NL__2PRFIN20090418_082651_000000282078_00164_37292_8278.N1	18-APR-2009 08:26:51	Tw_i_and_stray	27.500	19	50Alp Cyg	1.2460	10500.	55	37292	No
62	GOM_NL__2PRFIN20090418_083121_000000292078_00164_37292_8279.N1	18-APR-2009 08:31:21	Tw_i_and_stray	29.000	92	53Eps Cyg	2.5000	4500.0	58	37292	No
63	GOM_NL__2PRFIN20090418_083900_000000262078_00164_37292_8280.N1	18-APR-2009 08:39:00	Dark	26.000	61	8Eps Peg	2.1000	3900.0	52	37292	No
64	GOM_NL__2PRFIN20090418_084414_000000282078_00164_37292_8281.N1	18-APR-2009 08:44:14	Dark	28.000	154	22Bet Aqr	2.8990	5700.0	56	37292	No
65	GOM_NL__2PRFIN20090418_090446_000000252078_00165_37293_8284.N1	18-APR-2009 09:04:46	Dark	25.000	38	20Eps Sgr	1.8360	11000.	50	37293	No
66	GOM_NL__2PRFIN20090418_090632_000000192078_00165_37293_8285.N1	18-APR-2009 09:06:32	Dark	19.000	147	Alp Ara	2.8770	26000.	38	37293	No
67	GOM_NL__2PRFIN20090418_090832_000000242078_00165_37293_8286.N1	18-APR-2009 09:08:32	Straylight	24.000	25	35Lam Sco	1.6200	28000.	48	37293	No
68	GOM_NL__2PRFIN20090418_091351_000000332078_00165_37293_8287.N1	18-APR-2009 09:13:51	Straylight	32.500	131	Gam Lup	2.8000	26000.	65	37293	No
69	GOM_NL__2PRFIN20090418_092350_000000352078_00165_37293_8288.N1	18-APR-2009 09:23:50	Tw_i_and_stray	34.500	122	9Alp2Lib	2.7470	9700.0	69	37293	No
70	GOM_NL__2PRFIN20090418_093545_000000332078_00165_37293_8289.N1	18-APR-2009 09:35:45	Bright	33.000	111	8Eta Boo	2.6800	6000.0	66	37293	No
71	GOM_NL__2PRFIN20090418_094326_000000372078_00165_37293_8290.N1	18-APR-2009 09:43:26	Bright	36.500	180	27Gam Boo	3.0400	8000.0	73	37293	No
72	GOM_NL__2PRFIN20090418_095308_000000332078_00165_37293_8291.N1	18-APR-2009 09:53:08	Tw_i_and_stray	32.500	119	14Eta Dra	2.7270	4700.0	65	37293	No
73	GOM_NL__2PRFIN20090418_100726_000000282078_00165_37293_8292.N1	18-APR-2009 10:07:26	Tw_i_and_stray	27.500	19	50Alp Cyg	1.2460	10500.	55	37293	No
74	GOM_NL__2PRFIN20090418_101156_000000302078_00165_37293_8293.N1	18-APR-2009 10:11:56	Tw_i_and_stray	29.500	92	53Eps Cyg	2.5000	4500.0	59	37293	No
75	GOM_NL__2PRFIN20090418_101936_000000272078_00165_37293_8294.N1	18-APR-2009 10:19:36	Dark	26.500	61	8Eps Peg	2.1000	3900.0	53	37293	No
76	GOM_NL__2PRFIN20090418_102451_000000292078_00165_37293_8295.N1	18-APR-2009 10:24:51	Dark	28.500	154	22Bet Aqr	2.8990	5700.0	57	37293	No
77	GOM_NL__2PRFIN20090418_104709_000000332078_00166_37294_8298.N1	18-APR-2009 10:47:09	Dark	33.000	147	Alp Ara	2.8770	26000.	66	37294	No
78	GOM_NL__2PRFIN20090418_104909_000000422078_00166_37294_8299.N1	18-APR-2009 10:49:09	Straylight	42.000	25	35Lam Sco	1.6200	28000.	84	37294	No
79	GOM_NL__2PRFIN20090418_105428_000000322078_00166_37294_8300.N1	18-APR-2009 10:54:28	Straylight	31.500	131	Gam Lup	2.8000	26000.	63	37294	No
80	GOM_NL__2PRFIN20090418_110426_000000352078_00166_37294_8301.N1	18-APR-2009 11:04:26	Tw_i_and_stray	34.500	122	9Alp2Lib	2.7470	9700.0	69	37294	No
81	GOM_NL__2PRFIN20090418_111620_000000332078_00166_37294_8302.N1	18-APR-2009 11:16:20	Bright	33.000	111	8Eta Boo	2.6800	6000.0	66	37294	No
82	GOM_NL__2PRFIN20090418_112401_000000362078_00166_37294_8303.N1	18-APR-2009 11:24:01	Bright	36.000	180	27Gam Boo	3.0400	8000.0	72	37294	No
83	GOM_NL__2PRFIN20090418_113343_000000332078_00166_37294_8304.N1	18-APR-2009 11:33:43	Tw_i_and_stray	32.500	119	14Eta Dra	2.7270	4700.0	65	37294	No
84	GOM_NL__2PRFIN20090418_114802_000000282078_00166_37294_8305.N1	18-APR-2009 11:48:02	Tw_i_and_stray	27.500	19	50Alp Cyg	1.2460	10500.	55	37294	No
85	GOM_NL__2PRFIN20090418_115233_000000292078_00166_37294_8306.N1	18-APR-2009 11:52:33	Tw_i_and_stray	29.000	92	53Eps Cyg	2.5000	4500.0	58	37294	No
86	GOM_NL__2PRFIN20090418_120013_000000262078_00166_37294_8307.N1	18-APR-2009 12:00:13	Dark	26.000	61	8Eps Peg	2.1000	3900.0	52	37294	No
87	GOM_NL__2PRFIN20090418_120527_000000292078_00166_37294_8308.N1	18-APR-2009 12:05:27	Dark	28.500	154	22Bet Aqr	2.8990	5700.0	57	37294	No
88	GOM_NL__2PRFIN20090418_122746_000000332078_00167_37295_8332.N1	18-APR-2009 12:27:46	Dark	33.000	147	Alp Ara	2.8770	26000.	66	37295	No
89	GOM_NL__2PRFIN20090418_122946_000000422078_00167_37295_8333.N1	18-APR-2009 12:29:46	Straylight	42.000	25	35Lam Sco	1.6200	28000.	84	37295	No
90	GOM_NL__2PRFIN20090418_123504_000000322078_00167_37295_8334.N1	18-APR-2009 12:35:04	Straylight	31.500	131	Gam Lup	2.8000	26000.	63	37295	No
91	GOM_NL__2PRFIN20090418_124502_000000342078_00167_37295_8335.N1	18-APR-2009 12:45:02	Tw_i_and_stray	34.000	122	9Alp2Lib	2.7470	9700.0	68	37295	No
92	GOM_NL__2PRFIN20090418_125655_000000332078_00167_37295_8336.N1	18-APR-2009 12:56:55	Bright	32.500	111	8Eta Boo	2.6800	6000.0	65	37295	No
93	GOM_NL__2PRFIN20090418_130436_000000362078_00167_37295_8337.N1	18-APR-2009 13:04:36	Bright	35.500	180	27Gam Boo	3.0400	8000.0	71	37295	No
94	GOM_NL__2PRFIN20090418_132838_000000272078_00167_37295_8338.N1	18-APR-2009 13:28:38	Tw_i_and_stray	27.000	19	50Alp Cyg	1.2460	10500.	54	37295	No
95	GOM_NL__2PRFIN20090418_133309_000000292078_00167_37295_8339.N1	18-APR-2009 13:33:09	Tw_i_and_stray	28.500	92	53Eps Cyg	2.5000	4500.0	57	37295	No
96	GOM_NL__2PRFIN20090418_134049_000000262078_00167_37295_8340.N1	18-APR-2009 13:40:49	Dark	25.500	61	8Eps Peg	2.1000	3900.0	51	37295	No
97	GOM_NL__2PRFIN20090418_134604_000000282078_00167_37295_8341.N1	18-APR-2009 13:46:04	Dark	28.000	154	22Bet Aqr	2.8990	5700.0	56	37295	No
98	GOM_NL__2PRFIN20090418_140822_000000352078_00168_37296_8346.N1	18-APR-2009 14:08:22	Dark	34.500	147	Alp Ara	2.8770	26000.	69	37296	No
99	GOM_NL__2PRFIN20090418_141023_000000412078_00168_37296_8347.N1	18-APR-2009 14:10:23	Straylight	40.500	25	35Lam Sco	1.6200	28000.	81	37296	No
100	GOM_NL__2PRFIN20090418_141412_000000252078_00168_37296_8348.N1	18-APR-2009 14:14:12	Straylight	25.000	75	26Eps Sco	2.2910	4250.0	50	37296	No
101	GOM_NL__2PRFIN20090418_141540_000000302078_00168_37296_8349.N1	18-APR-2009 14:15:40	Straylight	30.000	131	Gam Lup	2.8000	26000.	60	37296	No

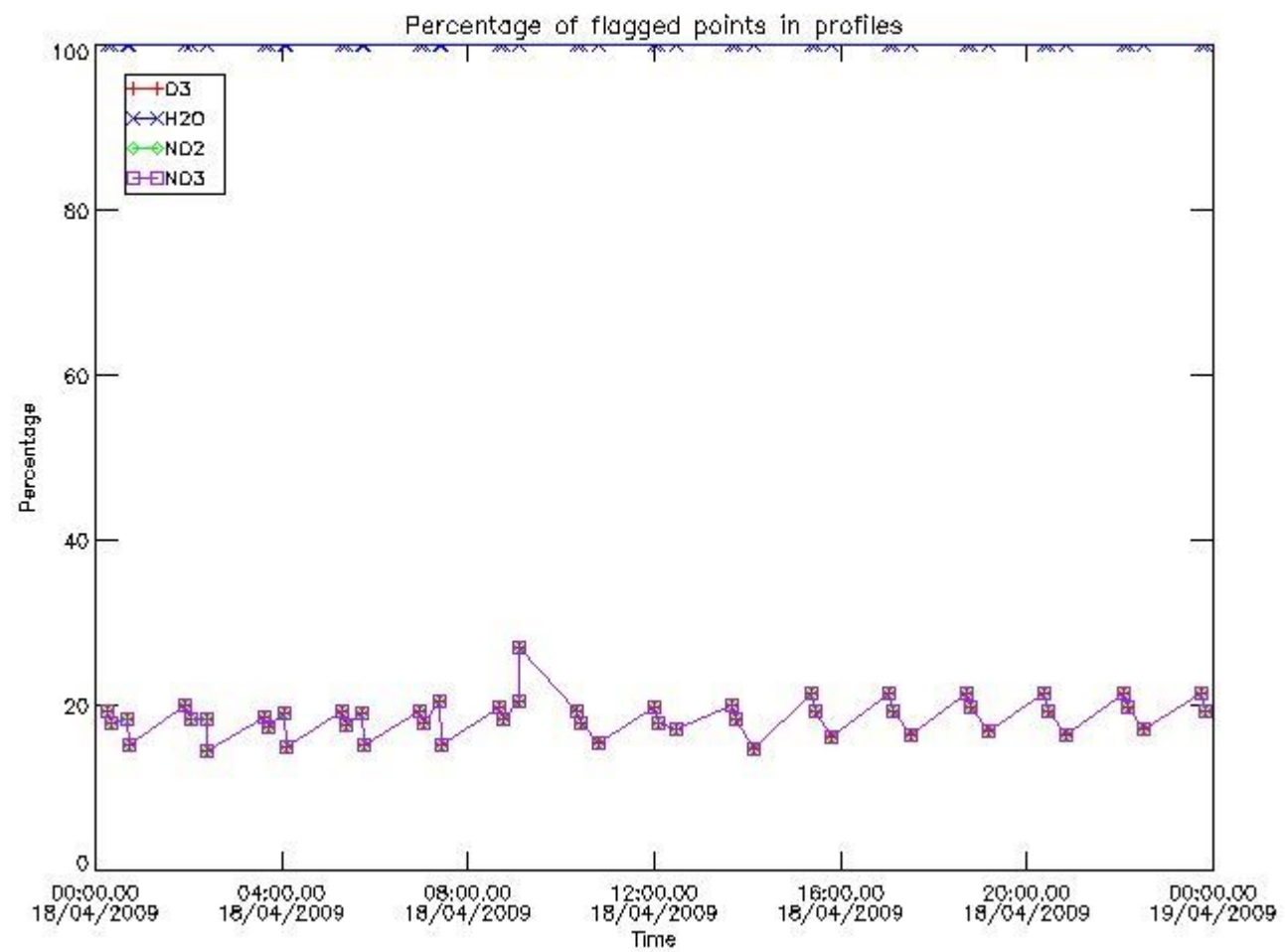
102	GOM_NL__2PRFIN20090418_142538_000000332078_00168_37296_8350.N1	18-APR-2009 14:25:38	Twilight	33.000	122	9Alp2Lib	2.7470	9700.0	66	37296	No
103	GOM_NL__2PRFIN20090418_143731_000000322078_00168_37296_8351.N1	18-APR-2009 14:37:31	Twilight	31.500	111	8Eta Boo	2.6800	6000.0	63	37296	No
104	GOM_NL__2PRFIN20090418_144511_000000342078_00168_37296_8352.N1	18-APR-2009 14:45:11	Twilight	34.000	180	27Gam Boo	3.0400	8000.0	68	37296	No
105	GOM_NL__2PRFIN20090418_145454_000000312078_00168_37296_8353.N1	18-APR-2009 14:54:54	Twilight	30.500	119	14Eta Dra	2.7270	4700.0	61	37296	No
106	GOM_NL__2PRFIN20090418_150914_000000262078_00168_37296_8354.N1	18-APR-2009 15:09:14	Twilight	25.500	19	50Alp Cyg	1.2460	10500.	51	37296	No
107	GOM_NL__2PRFIN20090418_151345_000000272078_00168_37296_8355.N1	18-APR-2009 15:13:45	Twilight	26.500	92	53Eps Cyg	2.5000	4500.0	53	37296	No
108	GOM_NL__2PRFIN20090418_152126_000000242078_00168_37296_8356.N1	18-APR-2009 15:21:26	Dark	24.000	61	8Eps Peg	2.1000	3900.0	48	37296	No
109	GOM_NL__2PRFIN20090418_152641_000000272078_00168_37296_8357.N1	18-APR-2009 15:26:41	Dark	26.500	154	22Bet Aqr	2.8990	5700.0	53	37296	No
110	GOM_NL__2PRFIN20090418_154859_000000322078_00169_37297_8362.N1	18-APR-2009 15:48:59	Dark	31.500	147	Alp Ara	2.8770	26000.	63	37297	No
111	GOM_NL__2PRFIN20090418_155100_000000402078_00169_37297_8363.N1	18-APR-2009 15:51:00	Straylight	39.500	25	35Lam Sco	1.6200	28000.	79	37297	No
112	GOM_NL__2PRFIN20090418_155449_000000252078_00169_37297_8364.N1	18-APR-2009 15:54:49	Straylight	25.000	75	26Eps Sco	2.2910	4250.0	50	37297	No
113	GOM_NL__2PRFIN20090418_155617_000000292078_00169_37297_8365.N1	18-APR-2009 15:56:17	Straylight	29.000	131	Gam Lup	2.8000	26000.	58	37297	No
114	GOM_NL__2PRFIN20090418_160614_000000332078_00169_37297_8366.N1	18-APR-2009 16:06:14	Twilight	32.500	122	9Alp2Lib	2.7470	9700.0	65	37297	No
115	GOM_NL__2PRFIN20090418_161807_000000312078_00169_37297_8367.N1	18-APR-2009 16:18:07	Twilight	30.500	111	8Eta Boo	2.6800	6000.0	61	37297	No
116	GOM_NL__2PRFIN20090418_162546_000000342078_00169_37297_8368.N1	18-APR-2009 16:25:46	Twilight	33.500	180	27Gam Boo	3.0400	8000.0	67	37297	No
117	GOM_NL__2PRFIN20090418_163529_000000302078_00169_37297_8369.N1	18-APR-2009 16:35:29	Twilight	30.000	119	14Eta Dra	2.7270	4700.0	60	37297	No
118	GOM_NL__2PRFIN20090418_164949_000000252078_00169_37297_8370.N1	18-APR-2009 16:49:49	Twilight	25.000	19	50Alp Cyg	1.2460	10500.	50	37297	No
119	GOM_NL__2PRFIN20090418_165421_000000272078_00169_37297_8371.N1	18-APR-2009 16:54:21	Twilight	27.000	92	53Eps Cyg	2.5000	4500.0	54	37297	No
120	GOM_NL__2PRFIN20090418_170202_000000242078_00169_37297_8372.N1	18-APR-2009 17:02:02	Dark	24.000	61	8Eps Peg	2.1000	3900.0	48	37297	No
121	GOM_NL__2PRFIN20090418_170717_000000272078_00169_37297_8373.N1	18-APR-2009 17:07:17	Dark	26.500	154	22Bet Aqr	2.8990	5700.0	53	37297	No
122	GOM_NL__2PRFIN20090418_172936_000000312078_00170_37298_8378.N1	18-APR-2009 17:29:36	Dark	31.000	147	Alp Ara	2.8770	26000.	62	37298	No
123	GOM_NL__2PRFIN20090418_173138_000000402078_00170_37298_8379.N1	18-APR-2009 17:31:38	Straylight	40.000	25	35Lam Sco	1.6200	28000.	80	37298	No
124	GOM_NL__2PRFIN20090418_173526_000000262078_00170_37298_8380.N1	18-APR-2009 17:35:26	Straylight	26.000	75	26Eps Sco	2.2910	4250.0	52	37298	No
125	GOM_NL__2PRFIN20090418_173654_000000302078_00170_37298_8381.N1	18-APR-2009 17:36:54	Straylight	29.500	131	Gam Lup	2.8000	26000.	59	37298	No
126	GOM_NL__2PRFIN20090418_174651_000000332078_00170_37298_8382.N1	18-APR-2009 17:46:51	Twilight	32.500	122	9Alp2Lib	2.7470	9700.0	65	37298	No
127	GOM_NL__2PRFIN20090418_175842_000000312078_00170_37298_8383.N1	18-APR-2009 17:58:42	Twilight	30.500	111	8Eta Boo	2.6800	6000.0	61	37298	No
128	GOM_NL__2PRFIN20090418_180622_000000332078_00170_37298_8384.N1	18-APR-2009 18:06:22	Twilight	33.000	180	27Gam Boo	3.0400	8000.0	66	37298	No
129	GOM_NL__2PRFIN20090418_181605_000000302078_00170_37298_8385.N1	18-APR-2009 18:16:05	Twilight	30.000	119	14Eta Dra	2.7270	4700.0	60	37298	No
130	GOM_NL__2PRFIN20090418_183025_000000252078_00170_37298_8386.N1	18-APR-2009 18:30:25	Twilight	25.000	19	50Alp Cyg	1.2460	10500.	50	37298	No
131	GOM_NL__2PRFIN20090418_183457_000000272078_00170_37298_8387.N1	18-APR-2009 18:34:57	Twilight	26.500	92	53Eps Cyg	2.5000	4500.0	53	37298	No
132	GOM_NL__2PRFIN20090418_184238_000000242078_00170_37298_8388.N1	18-APR-2009 18:42:38	Dark	24.000	61	8Eps Peg	2.1000	3900.0	48	37298	No
133	GOM_NL__2PRFIN20090418_184754_000000262078_00170_37298_8389.N1	18-APR-2009 18:47:54	Dark	26.000	154	22Bet Aqr	2.8990	5700.0	52	37298	No
134	GOM_NL__2PRFIN20090418_191013_000000312078_00171_37299_8395.N1	18-APR-2009 19:10:13	Dark	30.500	147	Alp Ara	2.8770	26000.	61	37299	No
135	GOM_NL__2PRFIN20090418_191215_000000422078_00171_37299_8396.N1	18-APR-2009 19:12:15	Straylight	41.500	25	35Lam Sco	1.6200	28000.	83	37299	No
136	GOM_NL__2PRFIN20090418_191603_000000262078_00171_37299_8397.N1	18-APR-2009 19:16:03	Straylight	26.000	75	26Eps Sco	2.2910	4250.0	52	37299	No
137	GOM_NL__2PRFIN20090418_191730_000000302078_00171_37299_8398.N1	18-APR-2009 19:17:30	Straylight	29.500	131	Gam Lup	2.8000	26000.	59	37299	No
138	GOM_NL__2PRFIN20090418_192727_000000332078_00171_37299_8399.N1	18-APR-2009 19:27:27	Twilight	32.500	122	9Alp2Lib	2.7470	9700.0	65	37299	No
139	GOM_NL__2PRFIN20090418_193918_000000312078_00171_37299_8400.N1	18-APR-2009 19:39:18	Twilight	31.000	111	8Eta Boo	2.6800	6000.0	62	37299	No
140	GOM_NL__2PRFIN20090418_194657_000000342078_00171_37299_8401.N1	18-APR-2009 19:46:57	Twilight	33.500	180	27Gam Boo	3.0400	8000.0	67	37299	No
141	GOM_NL__2PRFIN20090418_195640_000000302078_00171_37299_8402.N1	18-APR-2009 19:56:40	Twilight	30.000	119	14Eta Dra	2.7270	4700.0	60	37299	No
142	GOM_NL__2PRFIN20090418_201101_000000262078_00171_37299_8403.N1	18-APR-2009 20:11:01	Twilight	25.500	19	50Alp Cyg	1.2460	10500.	51	37299	No
143	GOM_NL__2PRFIN20090418_201533_000000272078_00171_37299_8404.N1	18-APR-2009 20:15:33	Twilight	27.000	92	53Eps Cyg	2.5000	4500.0	54	37299	No
144	GOM_NL__2PRFIN20090418_202315_000000242078_00171_37299_8405.N1	18-APR-2009 20:23:15	Dark	24.000	61	8Eps Peg	2.1000	3900.0	48	37299	No
145	GOM_NL__2PRFIN20090418_202831_000000272078_00171_37299_8406.N1	18-APR-2009 20:28:31	Dark	26.500	154	22Bet Aqr	2.8990	5700.0	53	37299	No
146	GOM_NL__2PRFIN20090418_205050_000000312078_00172_37300_8410.N1	18-APR-2009 20:50:50	Dark	31.000	147	Alp Ara	2.8770	26000.	62	37300	No
147	GOM_NL__2PRFIN20090418_205252_000000392078_00172_37300_8411.N1	18-APR-2009 20:52:52	Straylight	39.000	25	35Lam Sco	1.6200	28000.	78	37300	No
148	GOM_NL__2PRFIN20090418_205640_000000282078_00172_37300_8412.N1	18-APR-2009 20:56:40	Straylight	28.000	75	26Eps Sco	2.2910	4250.0	56	37300	No
149	GOM_NL__2PRFIN20090418_205807_000000292078_00172_37300_8413.N1	18-APR-2009 20:58:07	Straylight	29.000	131	Gam Lup	2.8000	26000.	58	37300	No
150	GOM_NL__2PRFIN20090418_210803_000000322078_00172_37300_8414.N1	18-APR-2009 21:08:03	Twilight	32.000	122	9Alp2Lib	2.7470	9700.0	64	37300	No
151	GOM_NL__2PRFIN20090418_211953_000000302078_00172_37300_8415.N1	18-APR-2009 21:19:53	Twilight	30.000	111	8Eta Boo	2.6800	6000.0	60	37300	No
152	GOM_NL__2PRFIN20090418_212732_000000332078_00172_37300_8416.N1	18-APR-2009 21:27:32	Twilight	33.000	180	27Gam Boo	3.0400	8000.0	66	37300	No
153	GOM_NL__2PRFIN20090418_213715_000000302078_00172_37300_8417.N1	18-APR-2009 21:37:15	Twilight	29.500	119	14Eta Dra	2.7270	4700.0	59	37300	No
154	GOM_NL__2PRFIN20090418_215137_000000252078_00172_37300_8418.N1	18-APR-2009 21:51:37	Twilight	25.000	19	50Alp Cyg	1.2460	10500.	50	37300	No
155	GOM_NL__2PRFIN20090418_215609_000000272078_00172_37300_8419.N1	18-APR-2009 21:56:09	Twilight	26.500	92	53Eps Cyg	2.5000	4500.0	53	37300	No
156	GOM_NL__2PRFIN20090418_220351_000000242078_00172_37300_8420.N1	18-APR-2009 22:03:51	Dark	24.000	61	8Eps Peg	2.1000	3900.0	48	37300	No
157	GOM_NL__2PRFIN20090418_220907_000000262078_00172_37300_8421.N1	18-APR-2009 22:09:07	Dark	26.000	154	22Bet Aqr	2.8990	5700.0	52	37300	No
158	GOM_NL__2PRFIN20090418_223127_000000302078_00173_37301_8431.N1	18-APR-2009 22:31:27	Dark	30.000	147	Alp Ara	2.8770	26000.	60	37301	No
159	GOM_NL__2PRFIN20090418_223329_000000392078_00173_37301_8432.N1	18-APR-2009 22:33:29	Straylight	38.500	25	35Lam Sco	1.6200	28000.	77	37301	No
160	GOM_NL__2PRFIN20090418_223717_000000282078_00173_37301_8433.N1	18-APR-2009 22:37:17	Straylight	28.000	75	26Eps Sco	2.2910	4250.0	56	37301	No

161	GOM_NL__2PRFIN20090418_223843_000000292078_00173_37301_8434.N1	18-APR-2009 22:38:43	Straylight	29.000	131	Gam Lup	2.8000	26000.	58	37301	No
162	GOM_NL__2PRFIN20090418_224839_000000322078_00173_37301_8435.N1	18-APR-2009 22:48:39	Twi_and_stray	31.500	122	9Alp2Lib	2.7470	9700.0	63	37301	No
163	GOM_NL__2PRFIN20090418_230029_000000302078_00173_37301_8436.N1	18-APR-2009 23:00:29	Twi_and_stray	30.000	111	8Eta Boo	2.6800	6000.0	60	37301	No
164	GOM_NL__2PRFIN20090418_230807_000000332078_00173_37301_8437.N1	18-APR-2009 23:08:07	Twi_and_stray	33.000	180	27Gam Boo	3.0400	8000.0	66	37301	No
165	GOM_NL__2PRFIN20090418_231750_000000302078_00173_37301_8438.N1	18-APR-2009 23:17:50	Twi_and_stray	30.000	119	14Eta Dra	2.7270	4700.0	60	37301	No
166	GOM_NL__2PRFIN20090418_233212_000000252078_00173_37301_8439.N1	18-APR-2009 23:32:12	Twi_and_stray	25.000	19	50Alp Cyg	1.2460	10500.	50	37301	No
167	GOM_NL__2PRFIN20090418_233645_000000272078_00173_37301_8440.N1	18-APR-2009 23:36:45	Twi_and_stray	26.500	92	53Eps Cyg	2.5000	4500.0	53	37301	No
168	GOM_NL__2PRFIN20090418_234428_000000242078_00173_37301_8441.N1	18-APR-2009 23:44:28	Dark	24.000	61	8Eps Peg	2.1000	3900.0	48	37301	No
169	GOM_NL__2PRFIN20090418_234944_000000262078_00173_37301_8442.N1	18-APR-2009 23:49:44	Dark	26.000	154	22Bet Aqr	2.8990	5700.0	52	37301	No

### 3. Quality information per product

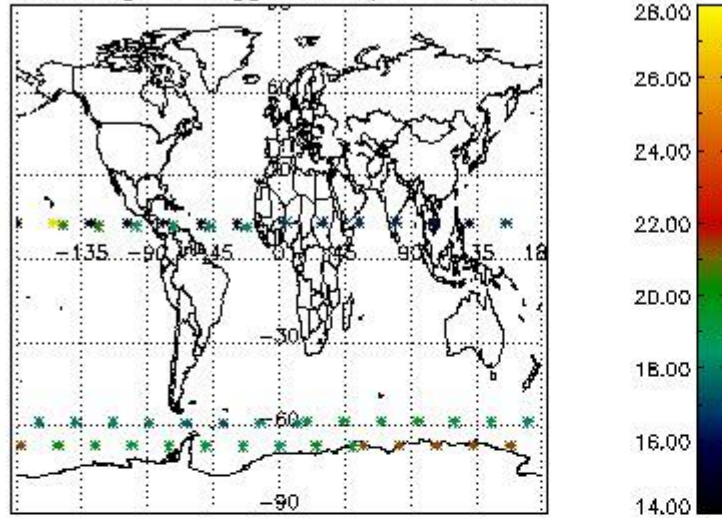
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

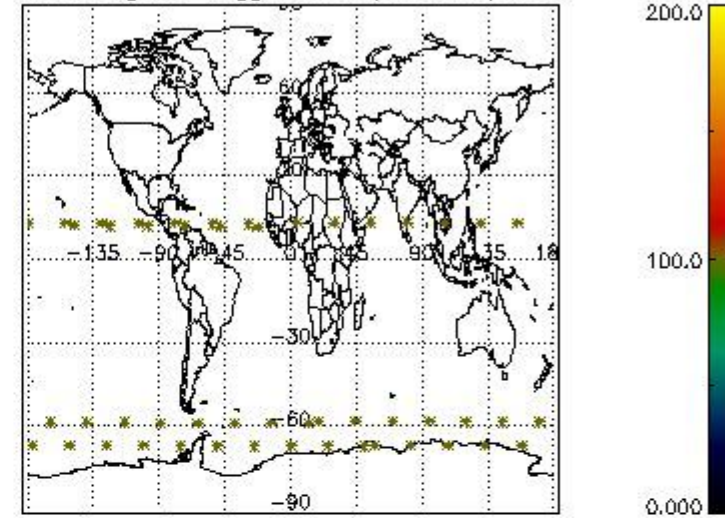


#### 3.2 Plot quality information per product (world map)

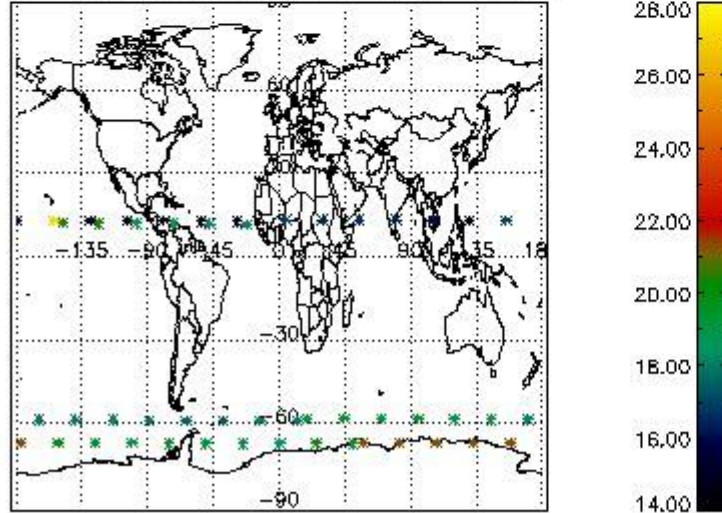
Percentage of flagged data per O3 profile



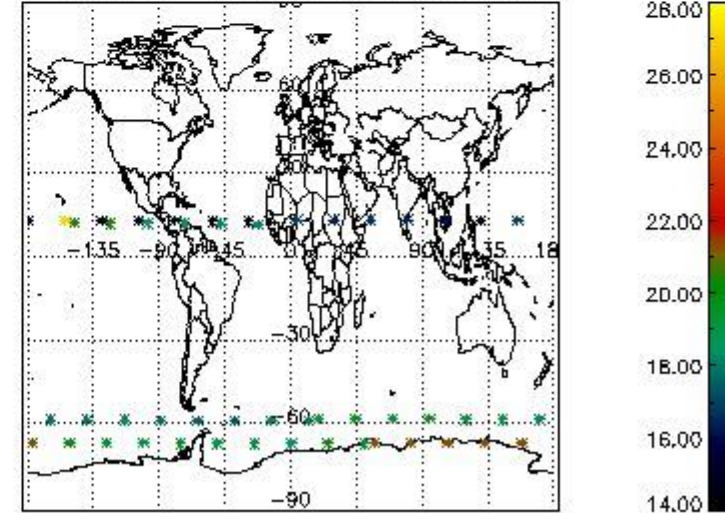
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

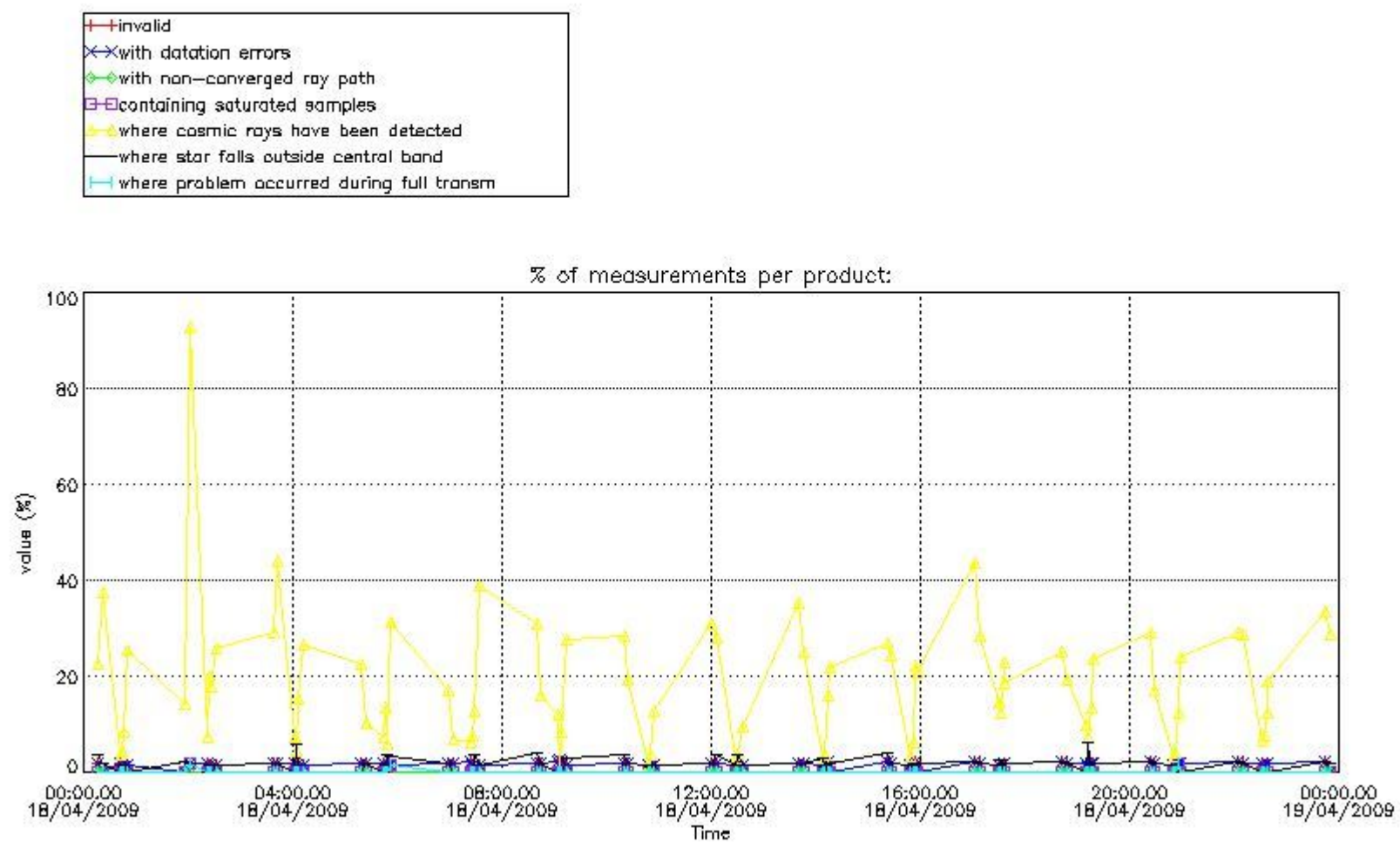


#### 4. Level 1 quality information per product

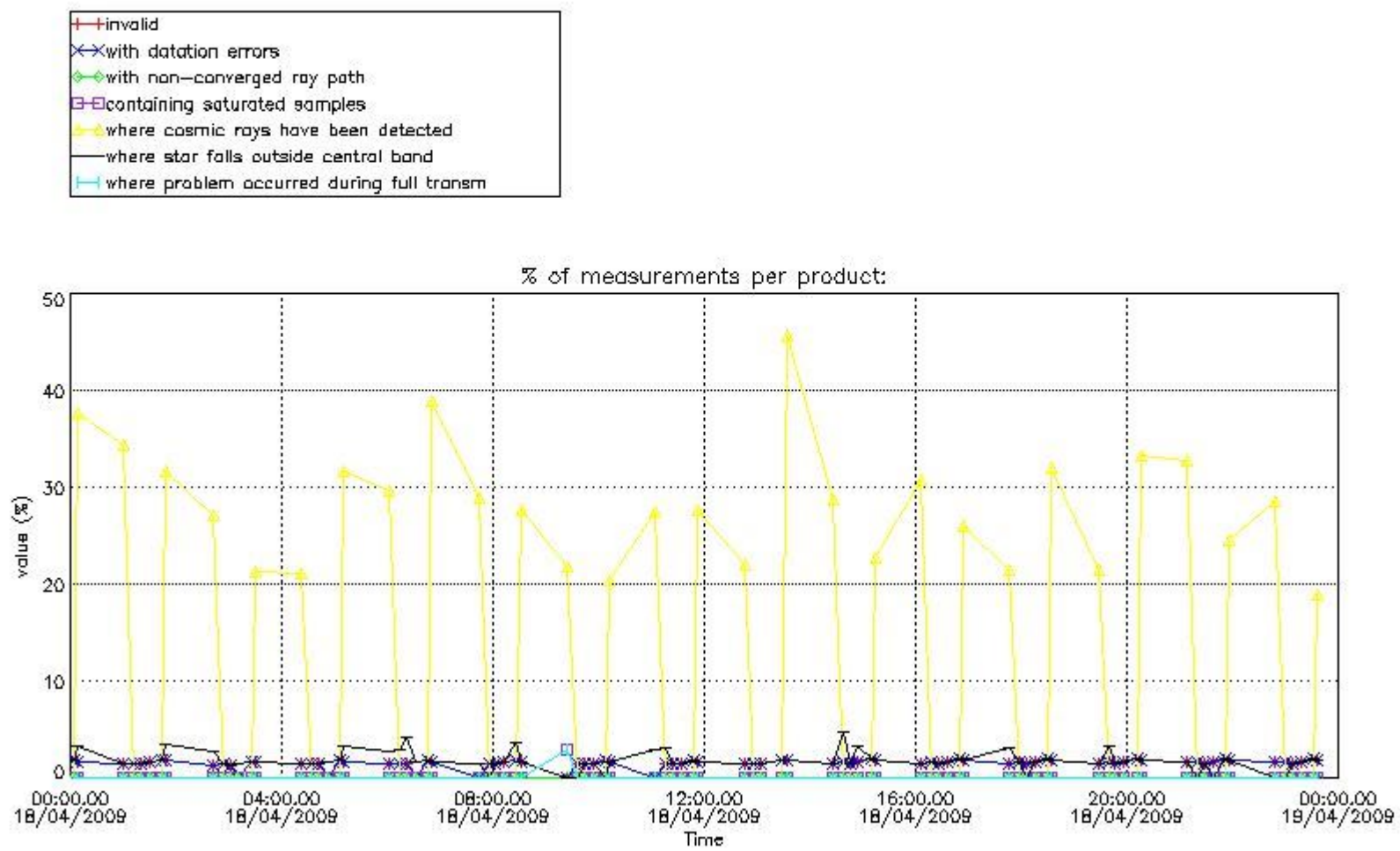
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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

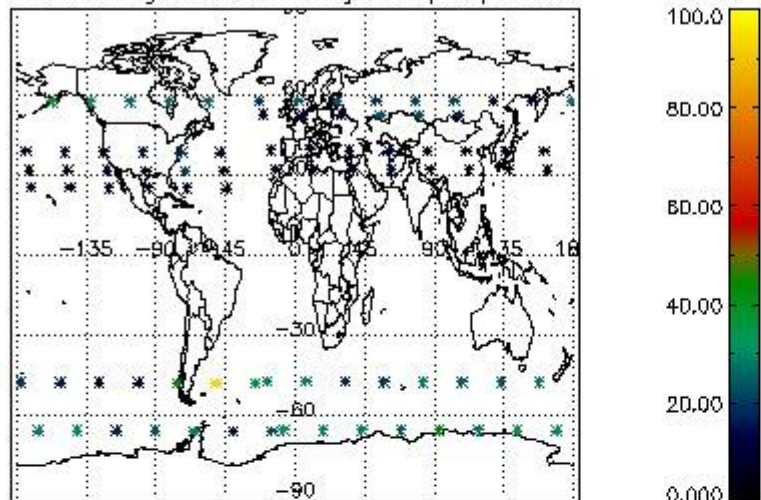


*4.2 Plot quality information per product coming from level 1b processing (world map)*

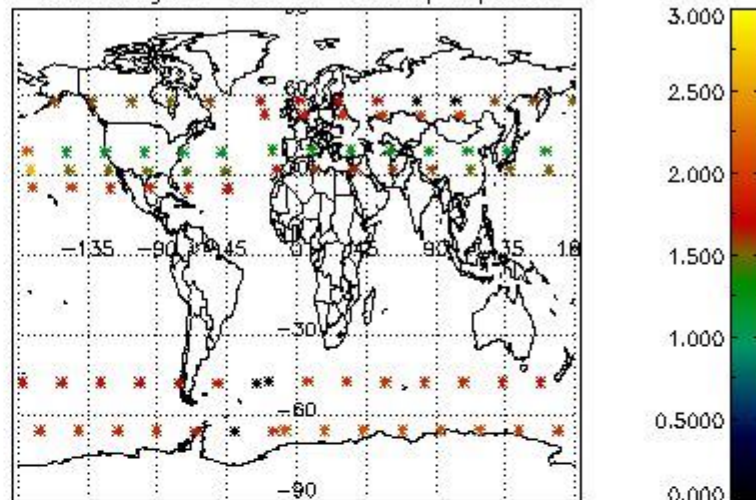
*4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes*



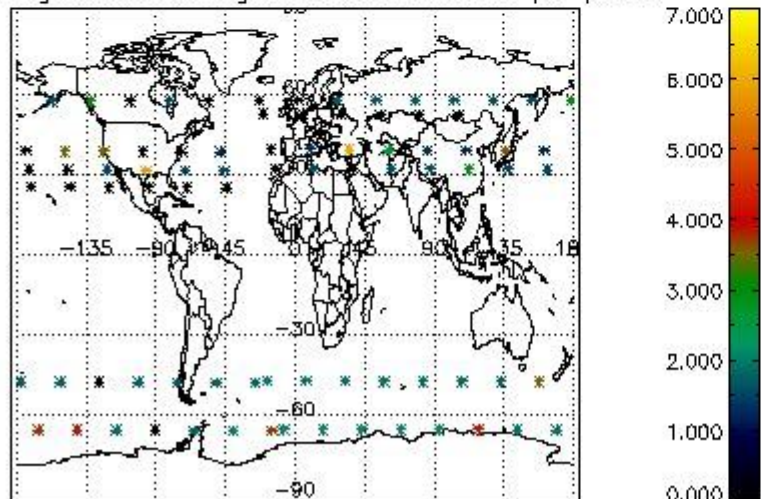
Percentage of cosmic ray hits per profile



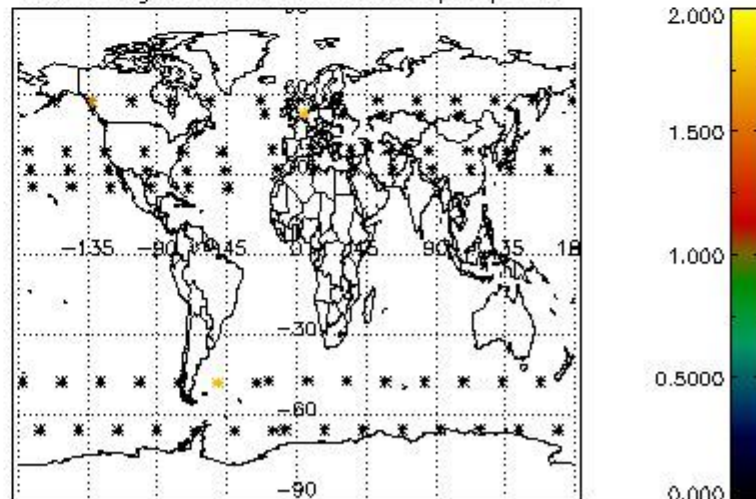
Percentage of datation errors per profile



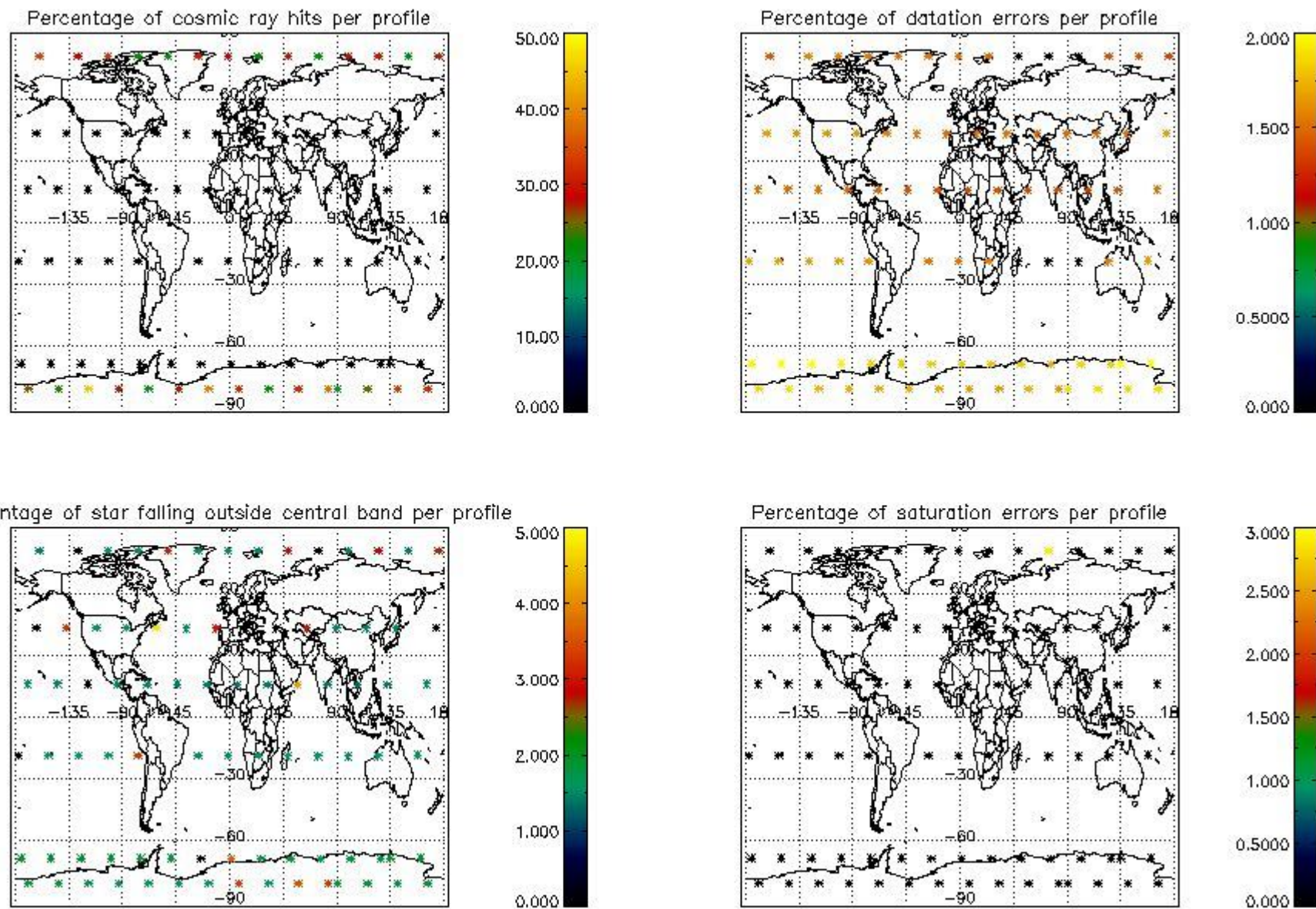
Percentage of star falling outside central band per profile



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

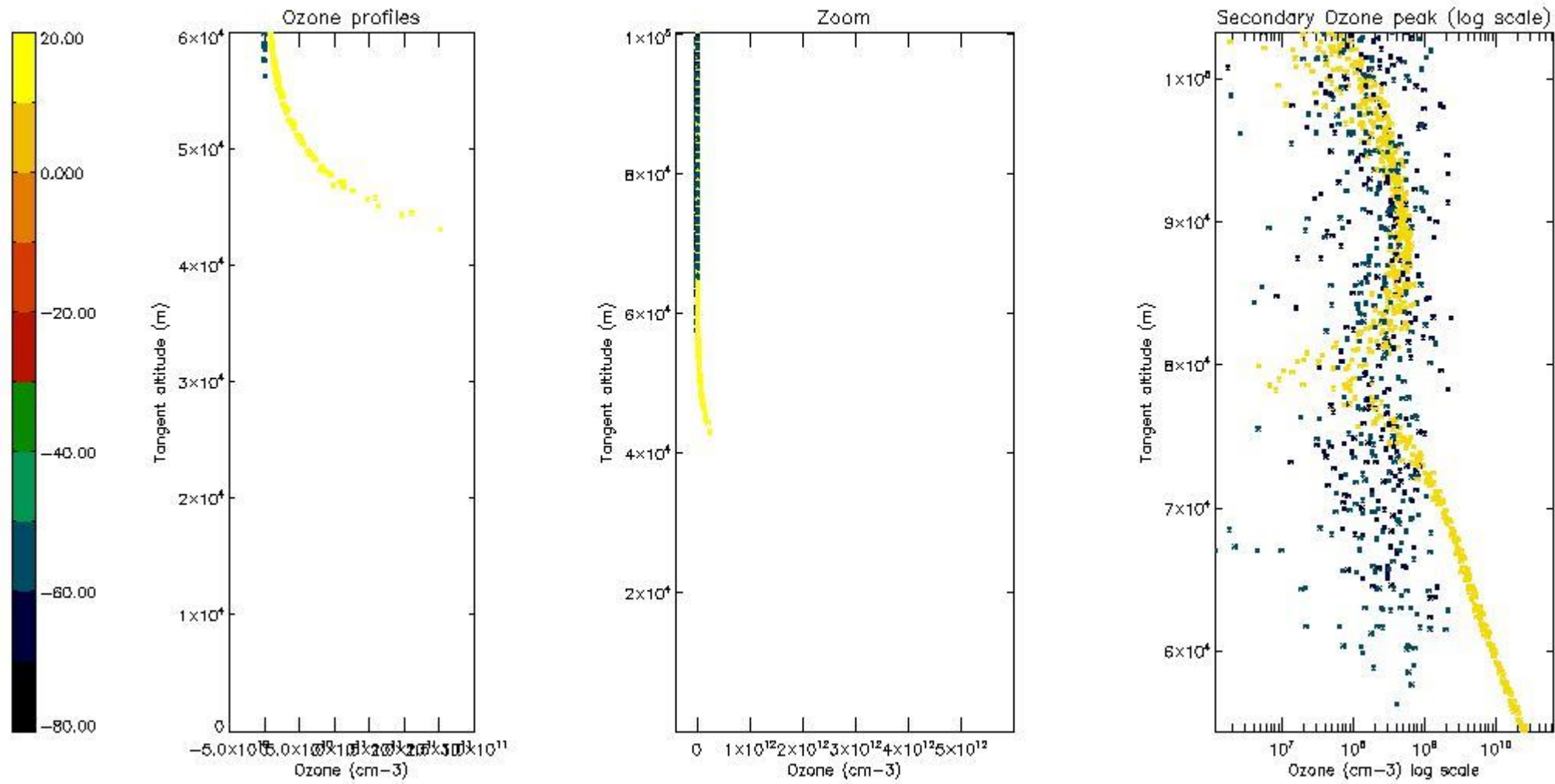
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	26
STD < 20	5

STD < 10	3
STD < 5	3

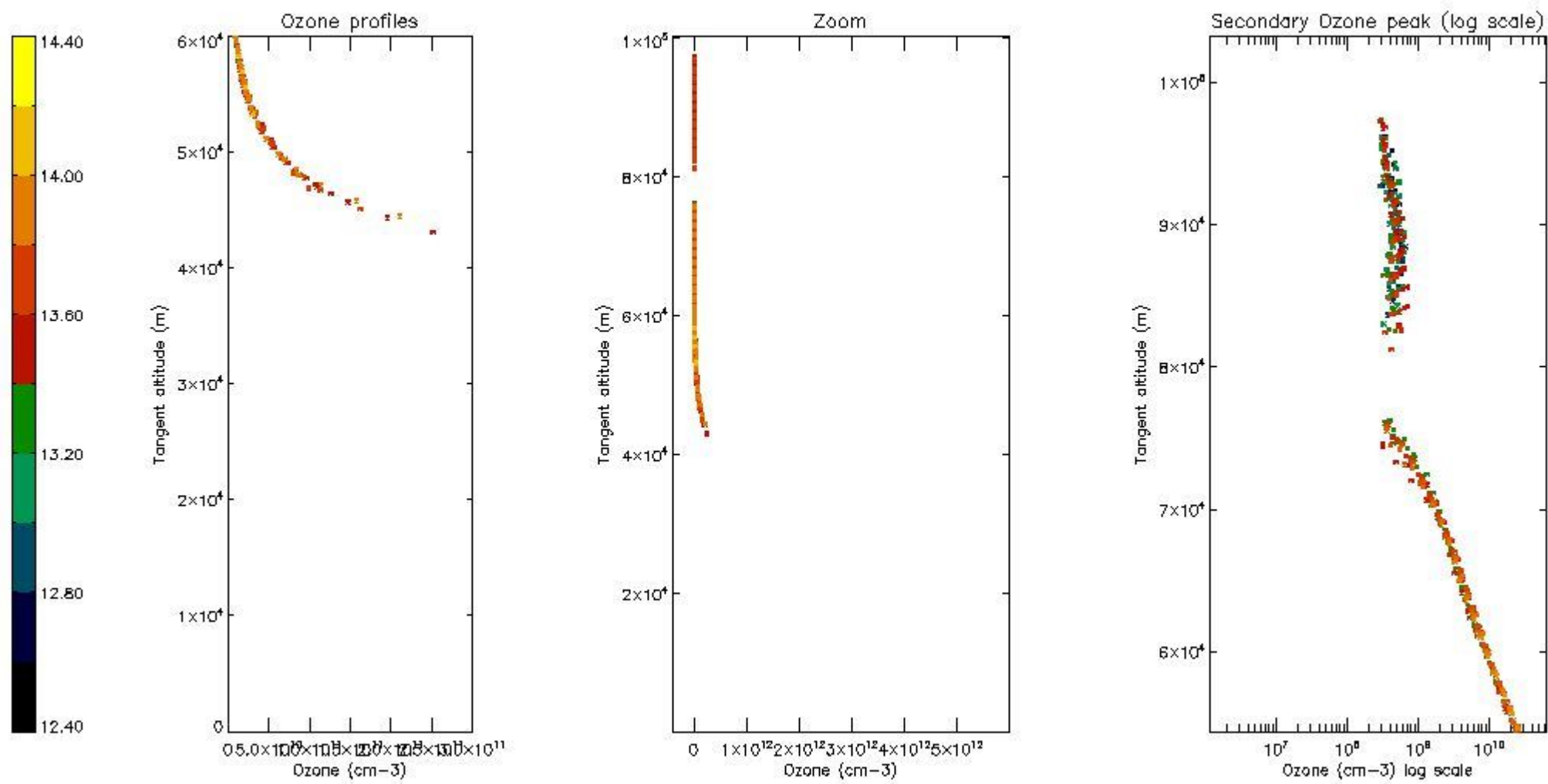
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



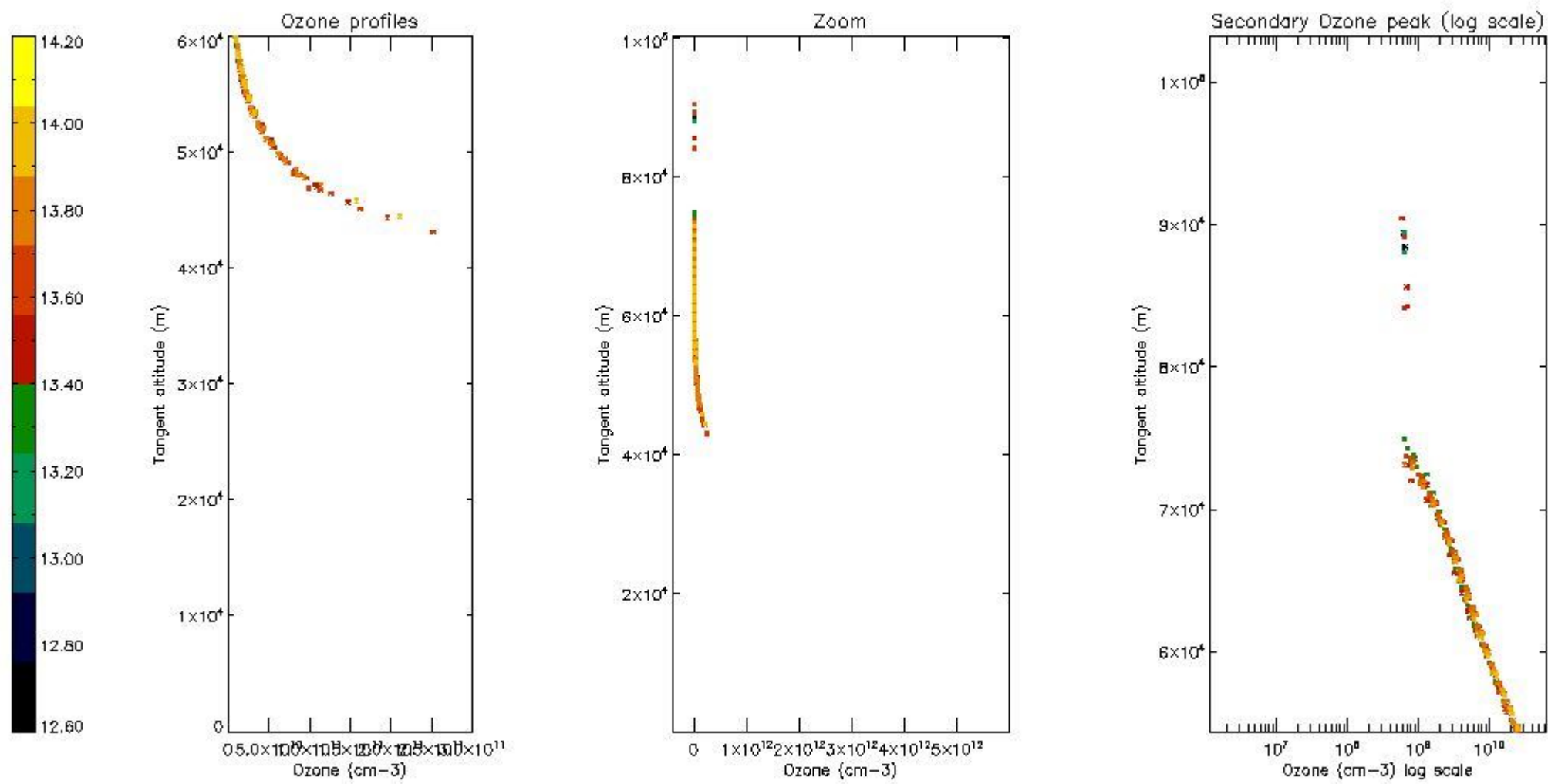
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



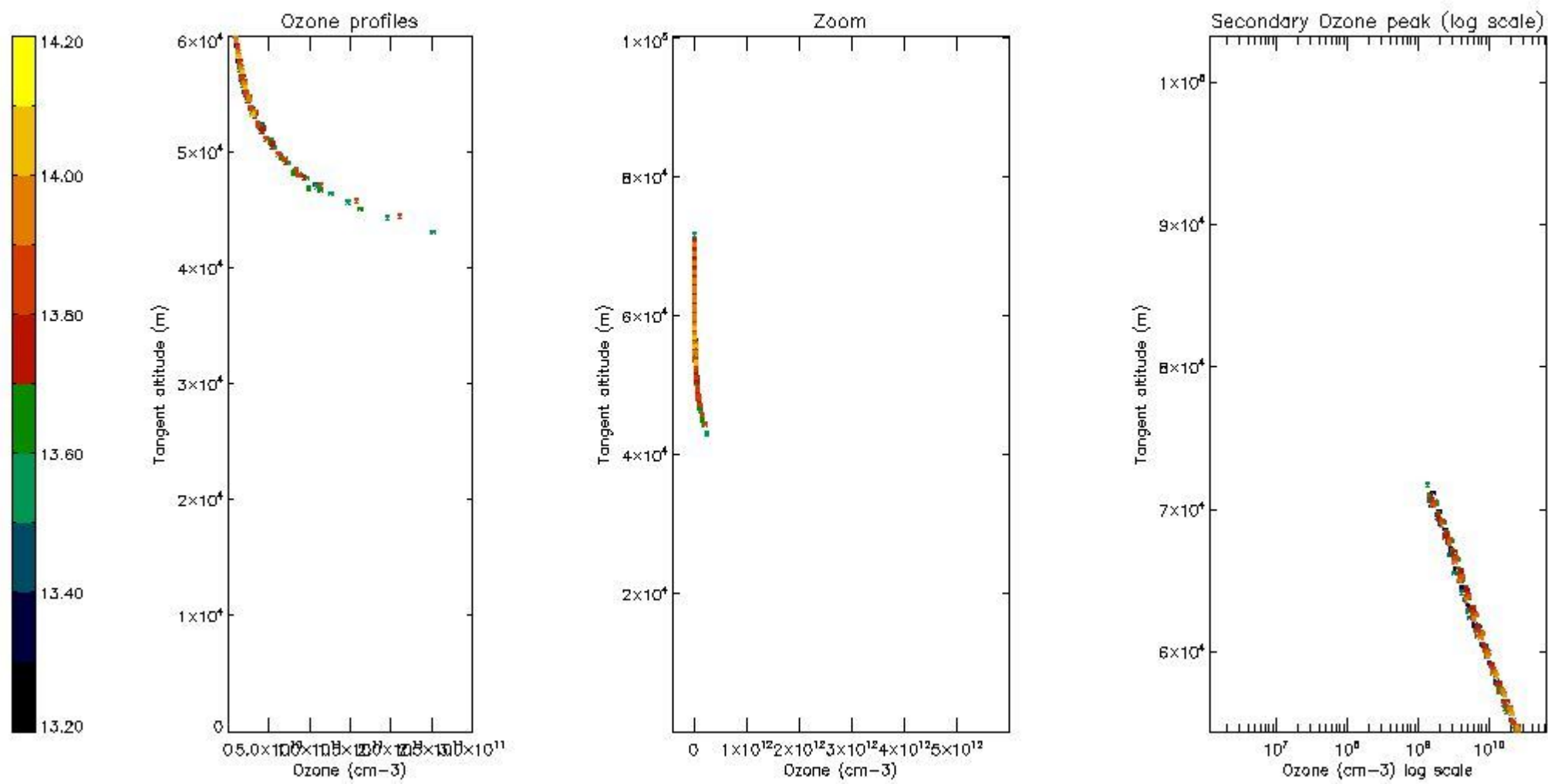
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



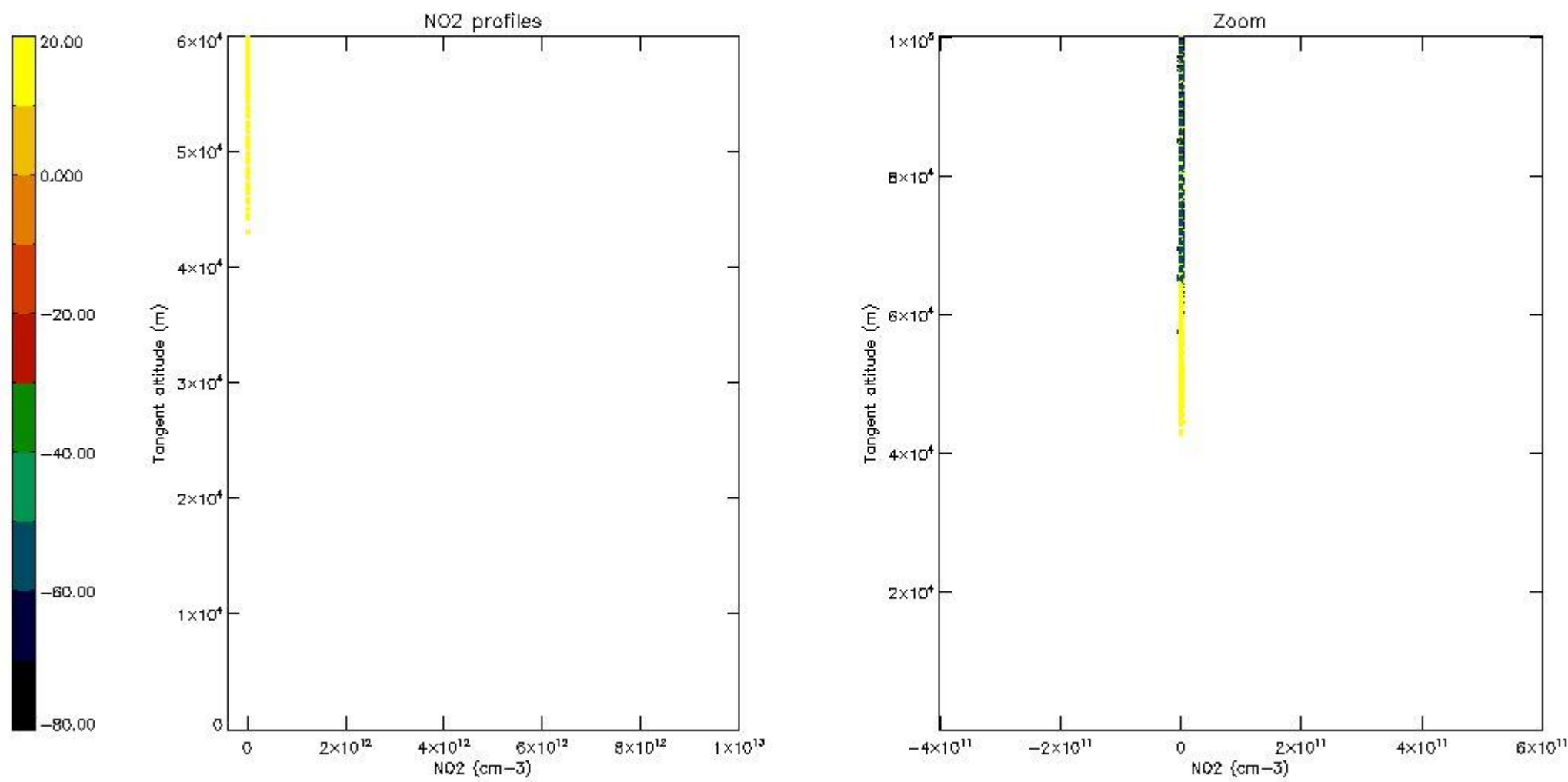
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



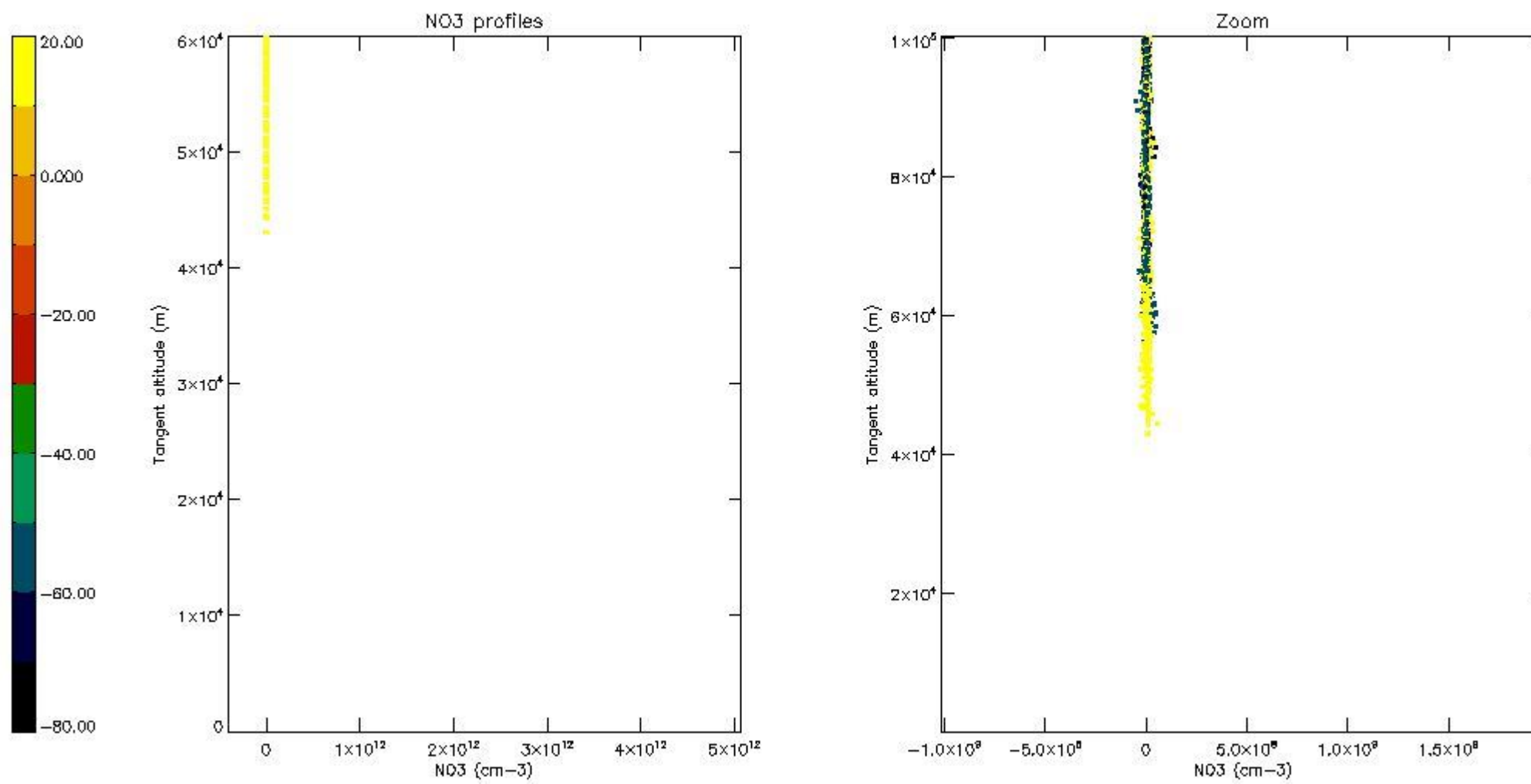
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

The colorbar represents the latitude.

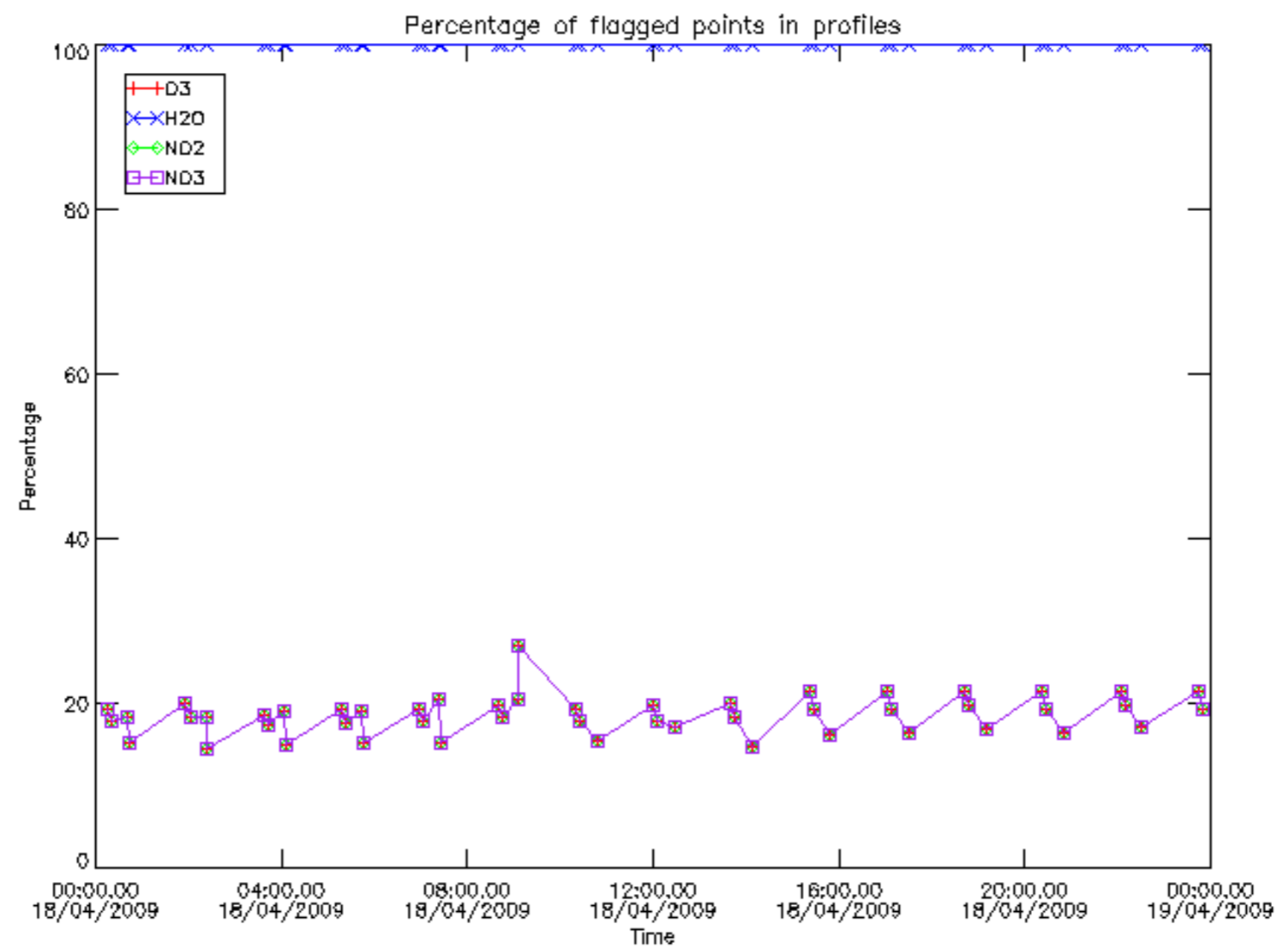


## 6. Auxiliary Data Files used for the production reported in section 2

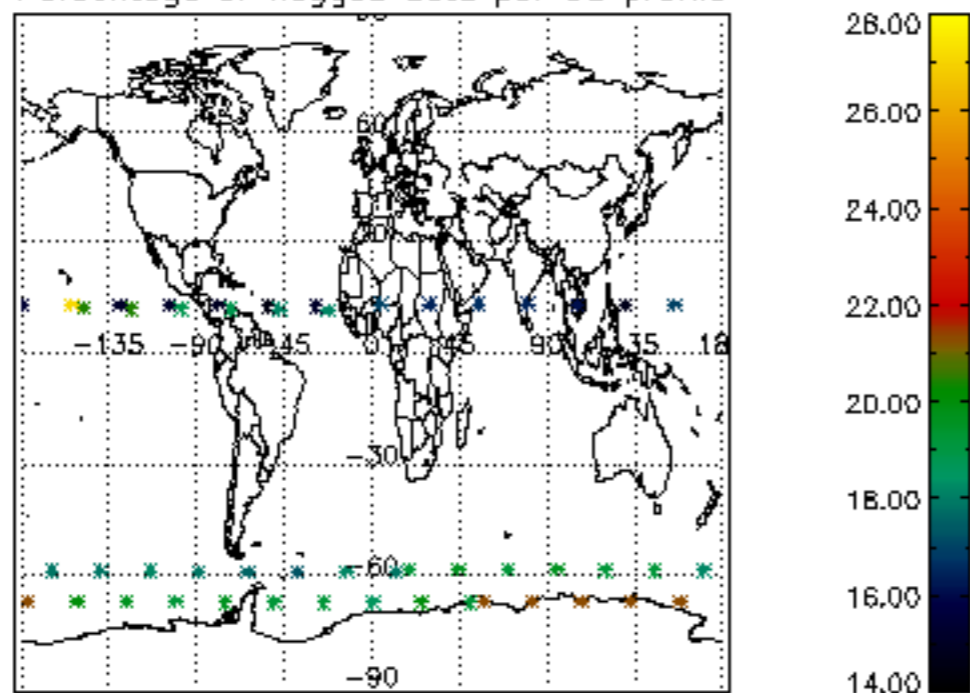
The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	18-APR-2009 00:03:52
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	18-APR-2009 00:03:52
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	18-APR-2009 00:03:52

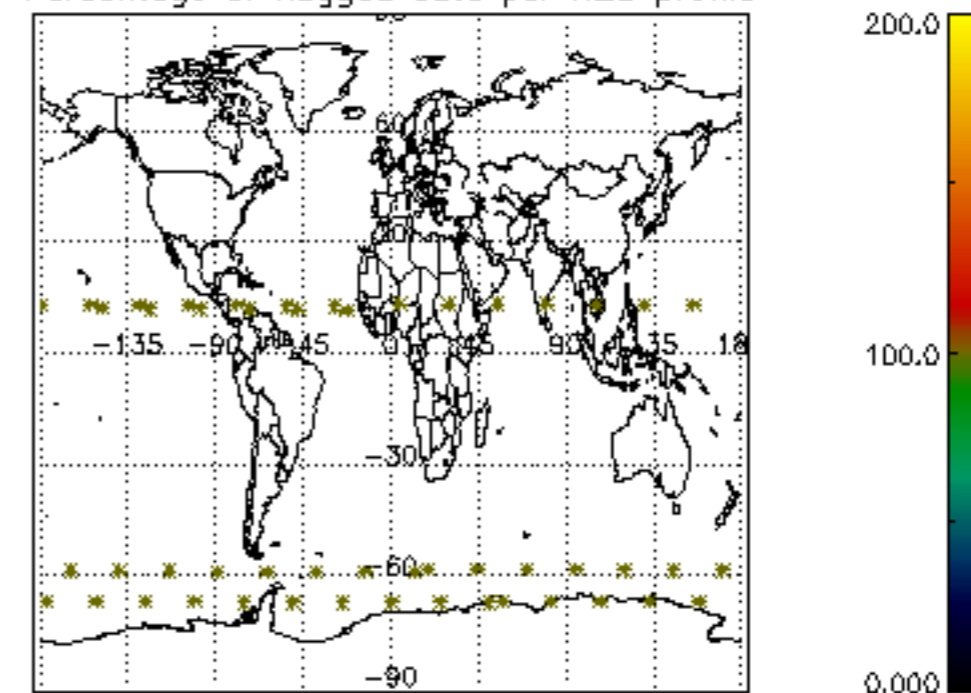




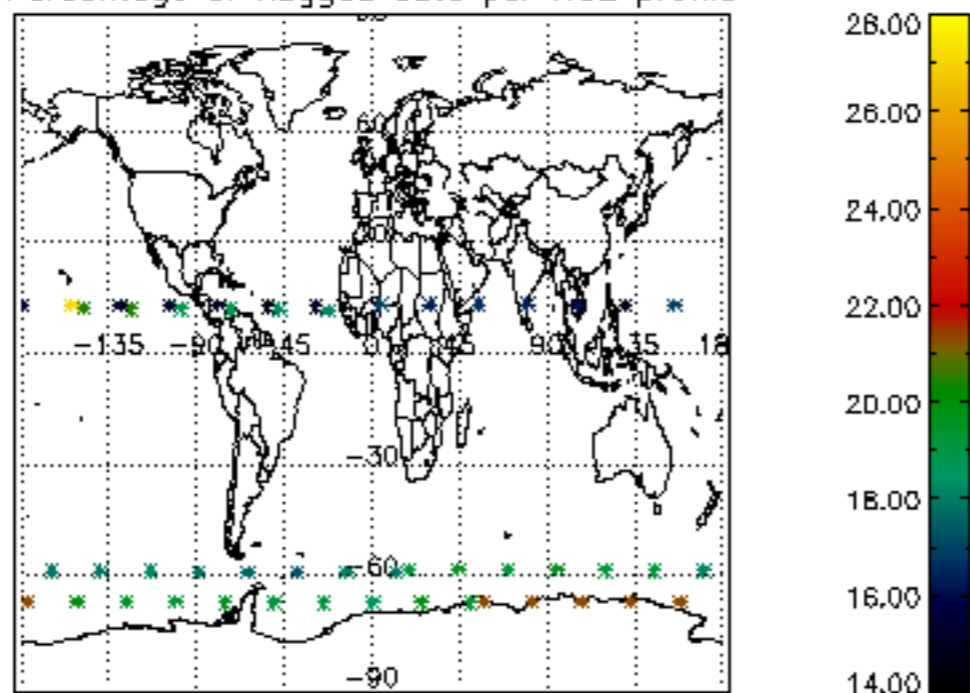
Percentage of flagged data per D3 profile



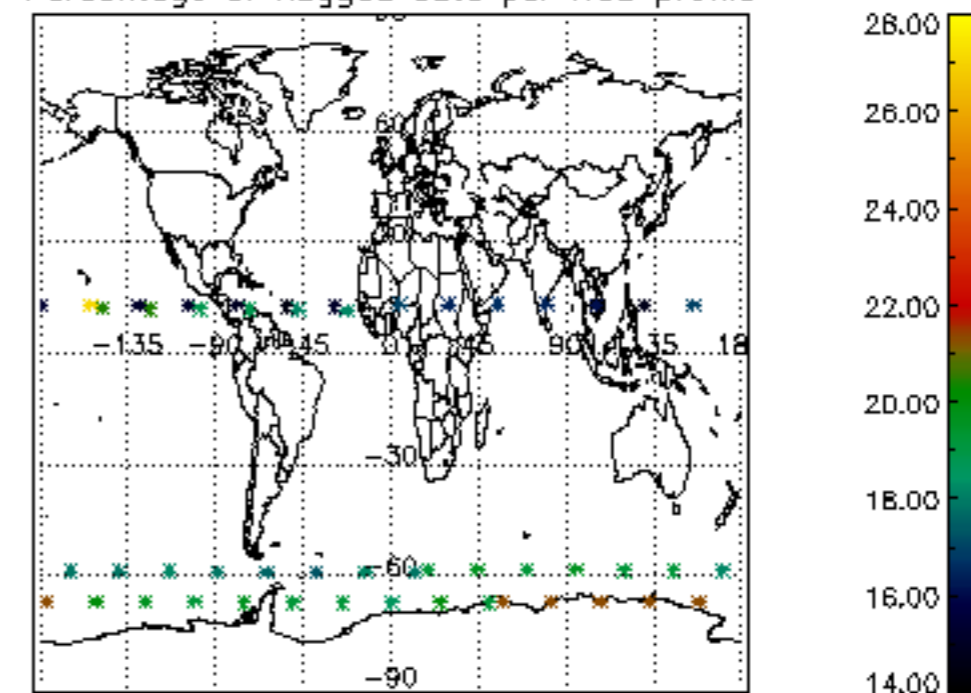
Percentage of flagged data per H2O profile

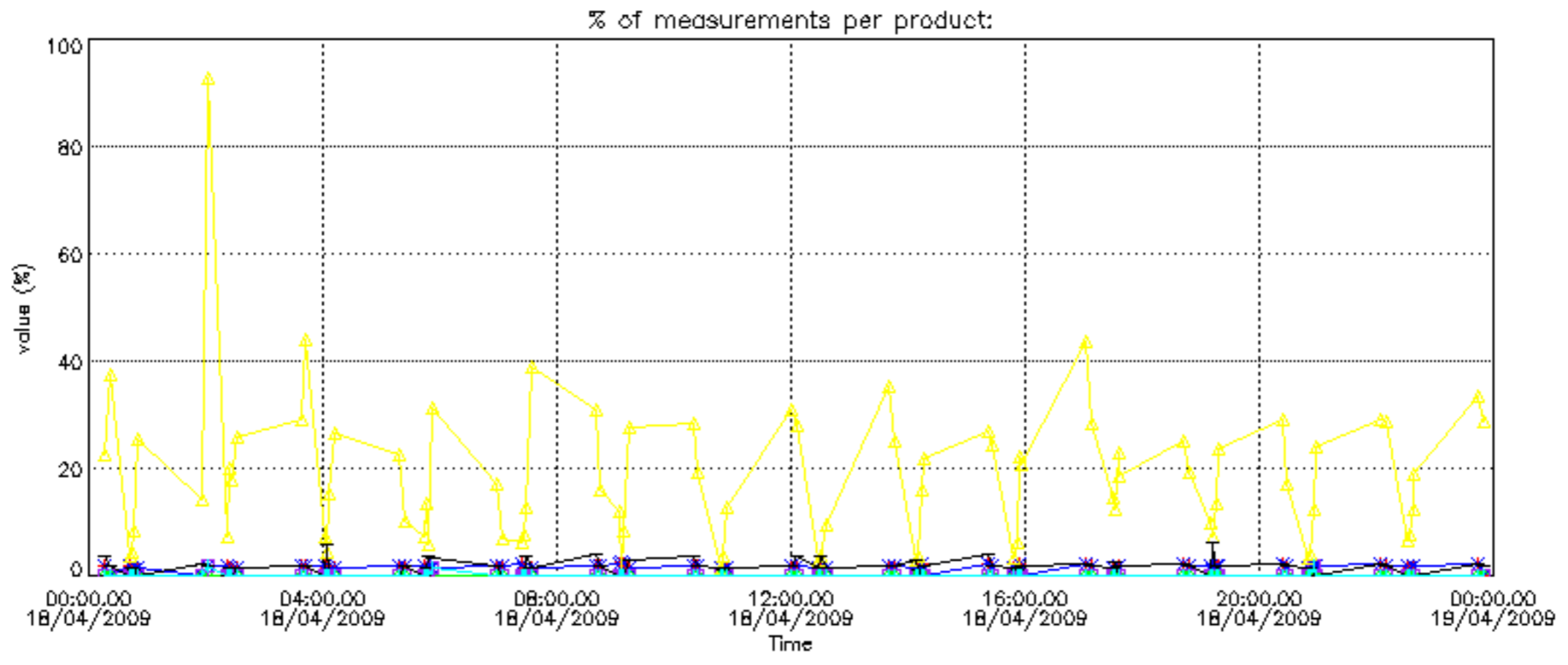


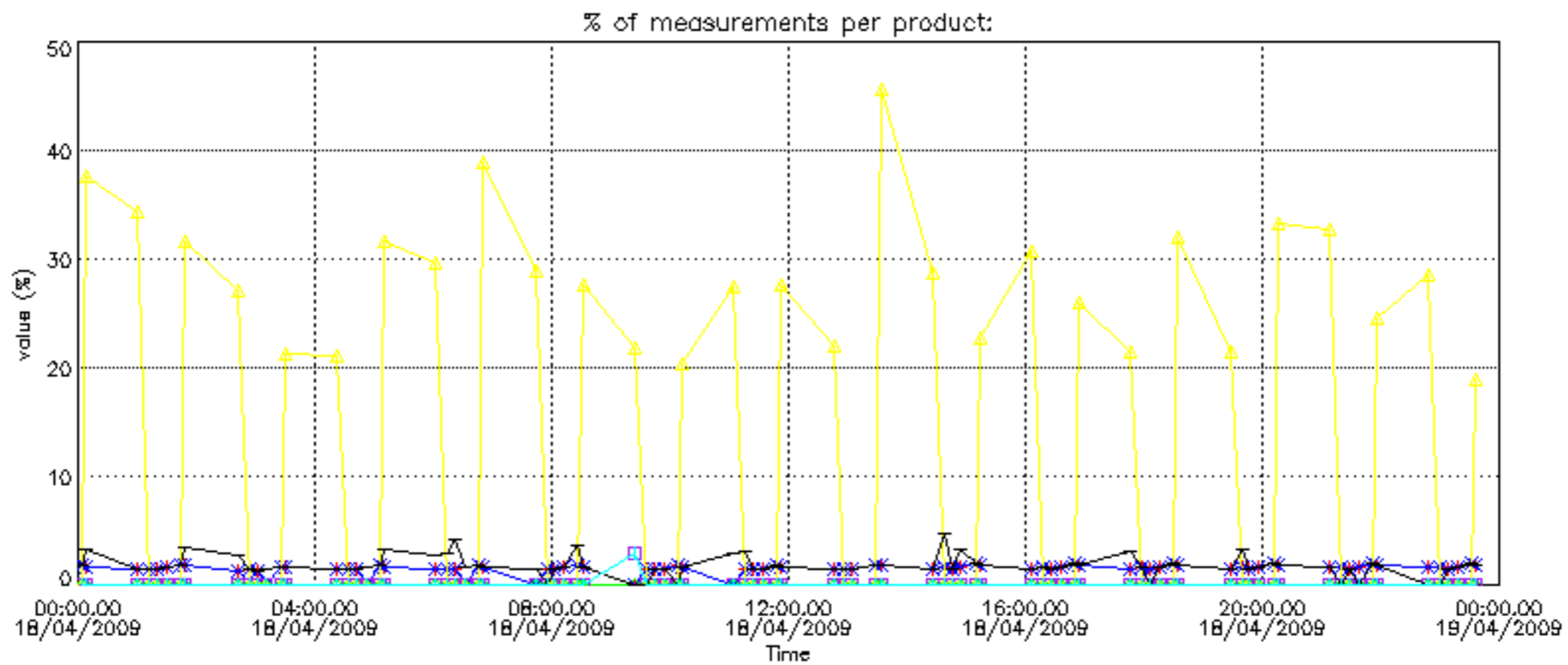
Percentage of flagged data per NO2 profile



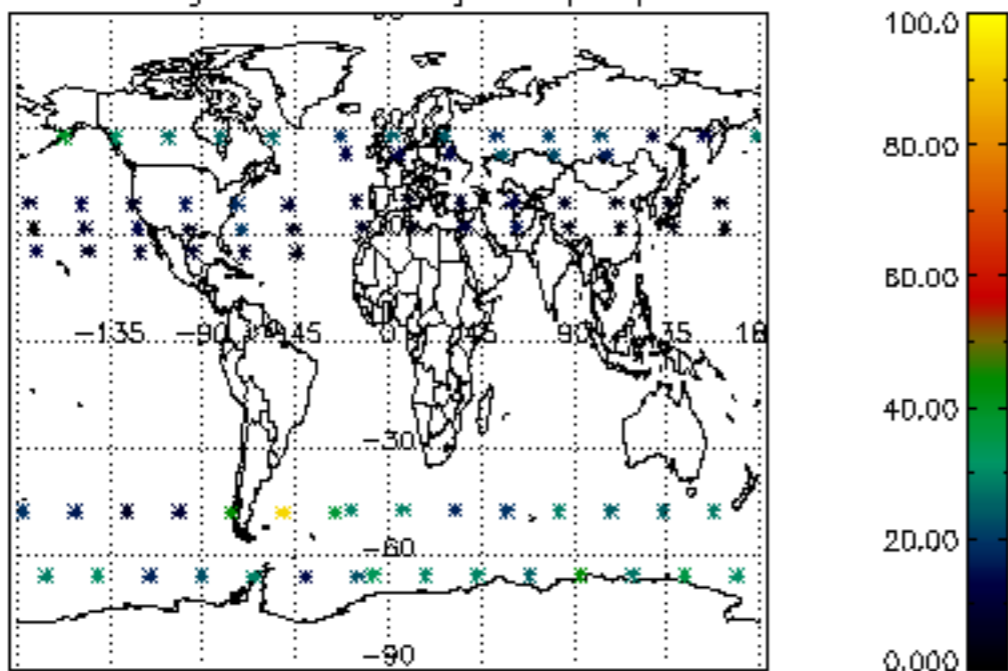
Percentage of flagged data per NO3 profile



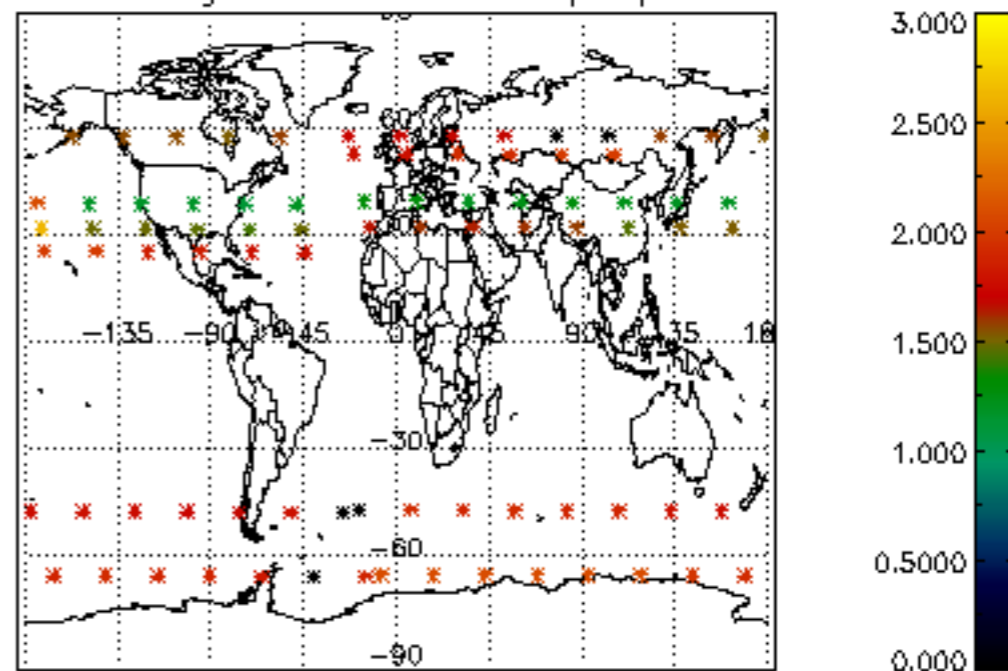




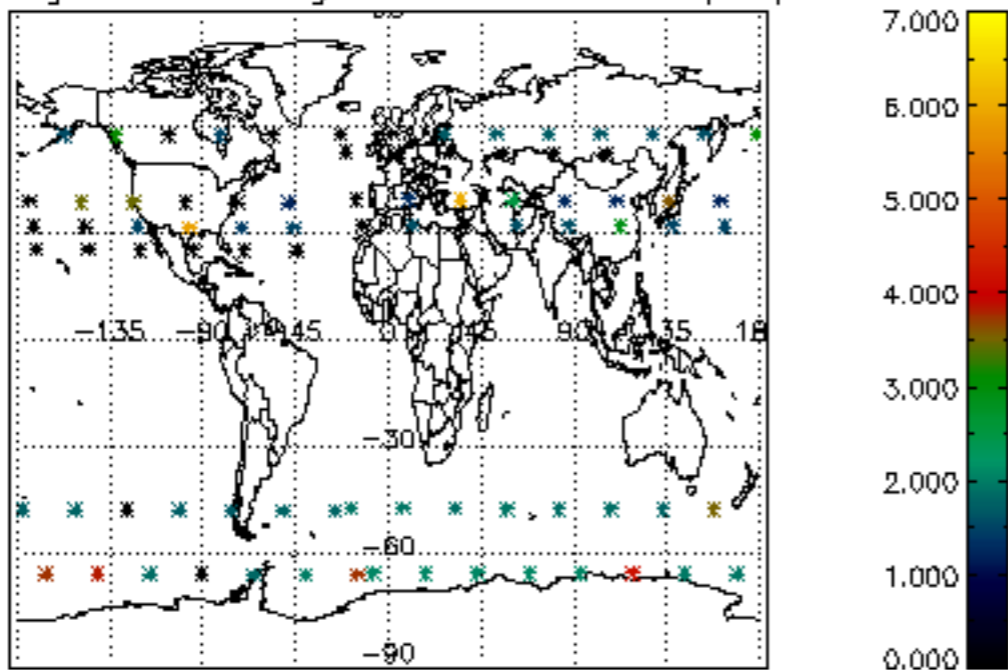
Percentage of cosmic ray hits per profile



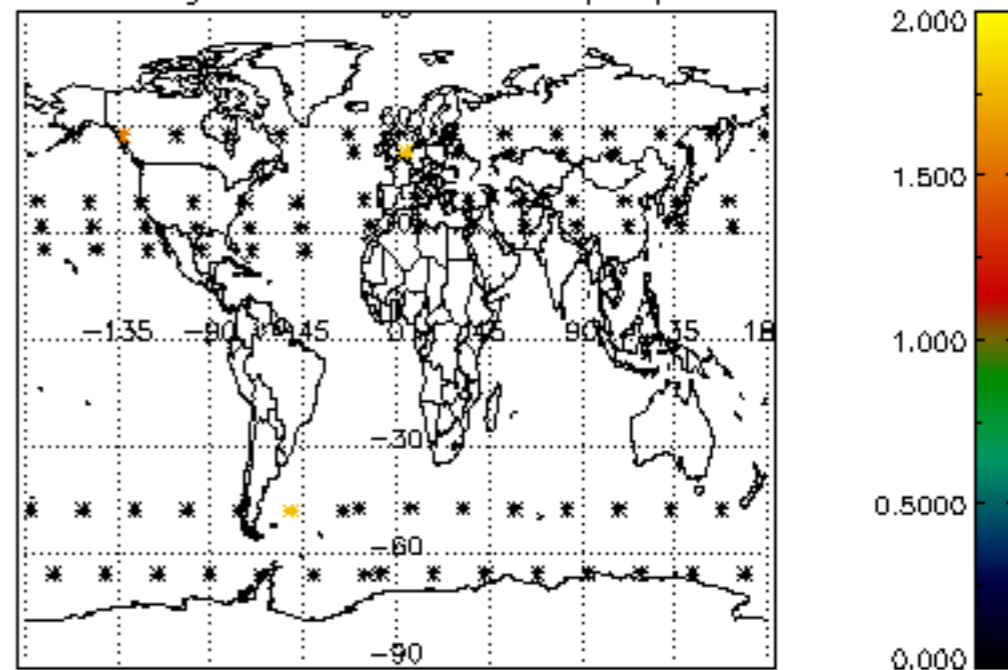
Percentage of datation errors per profile



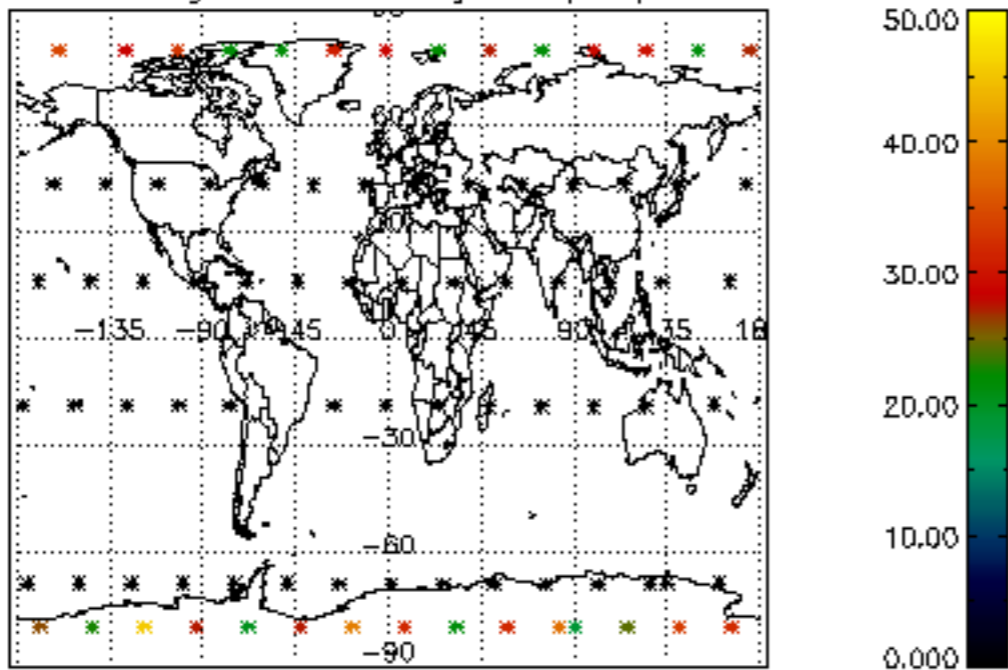
Percentage of star falling outside central band per profile



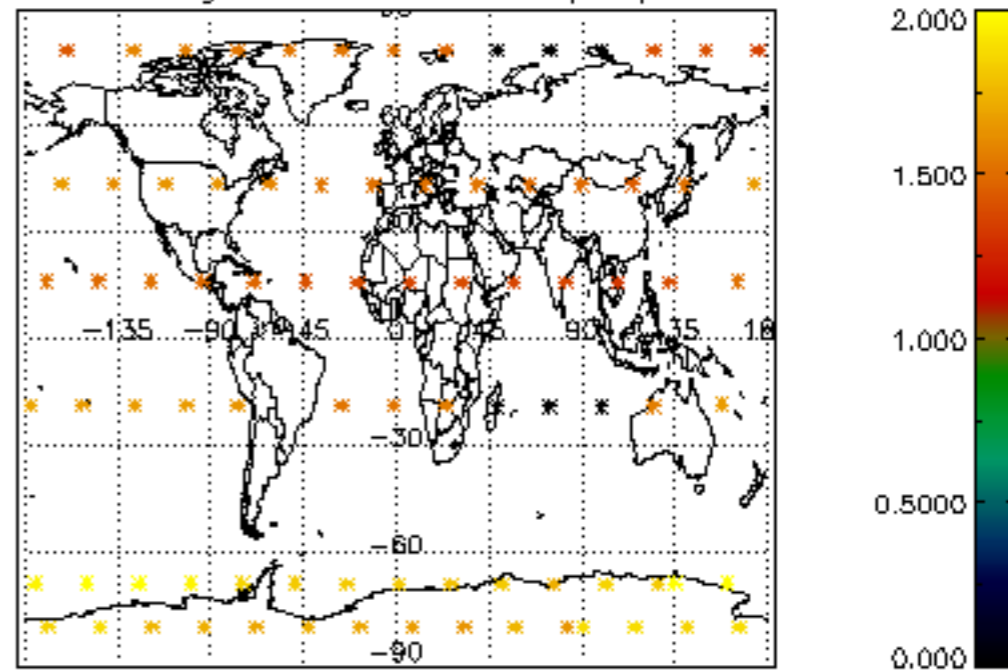
Percentage of saturation errors per profile



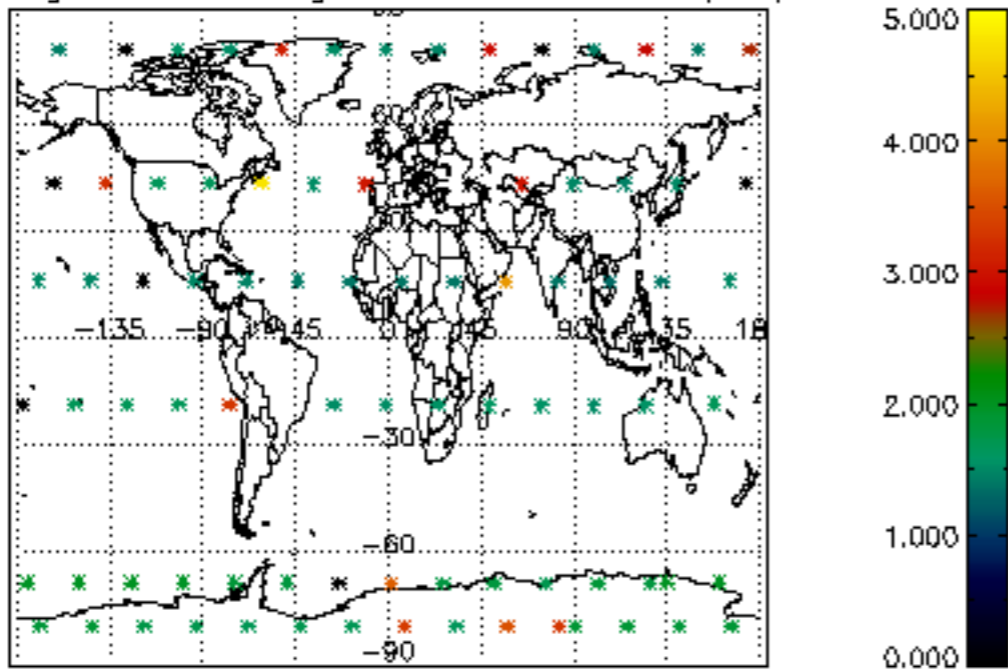
Percentage of cosmic ray hits per profile



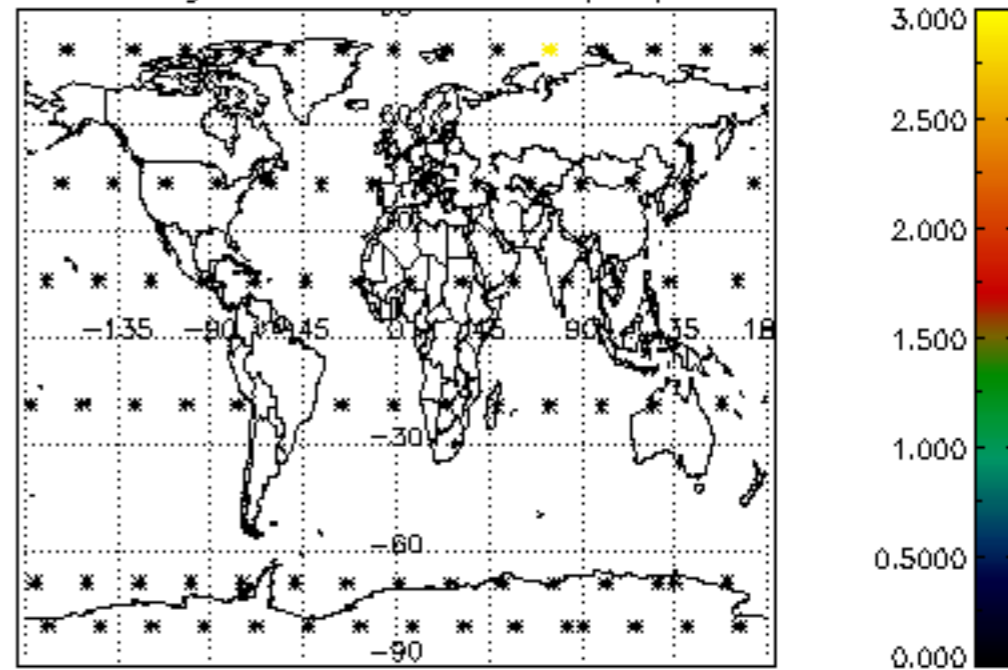
Percentage of datation errors per profile

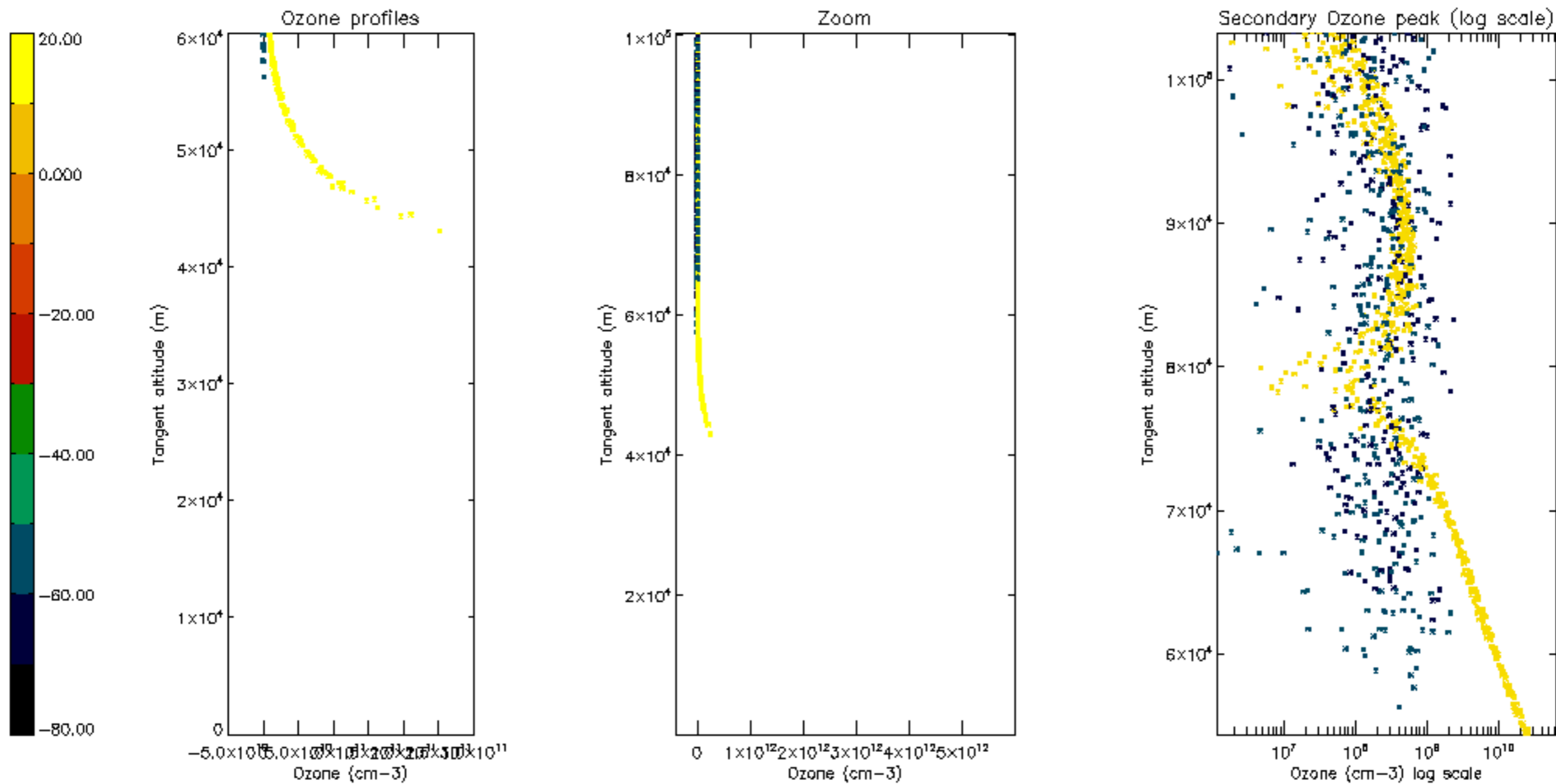


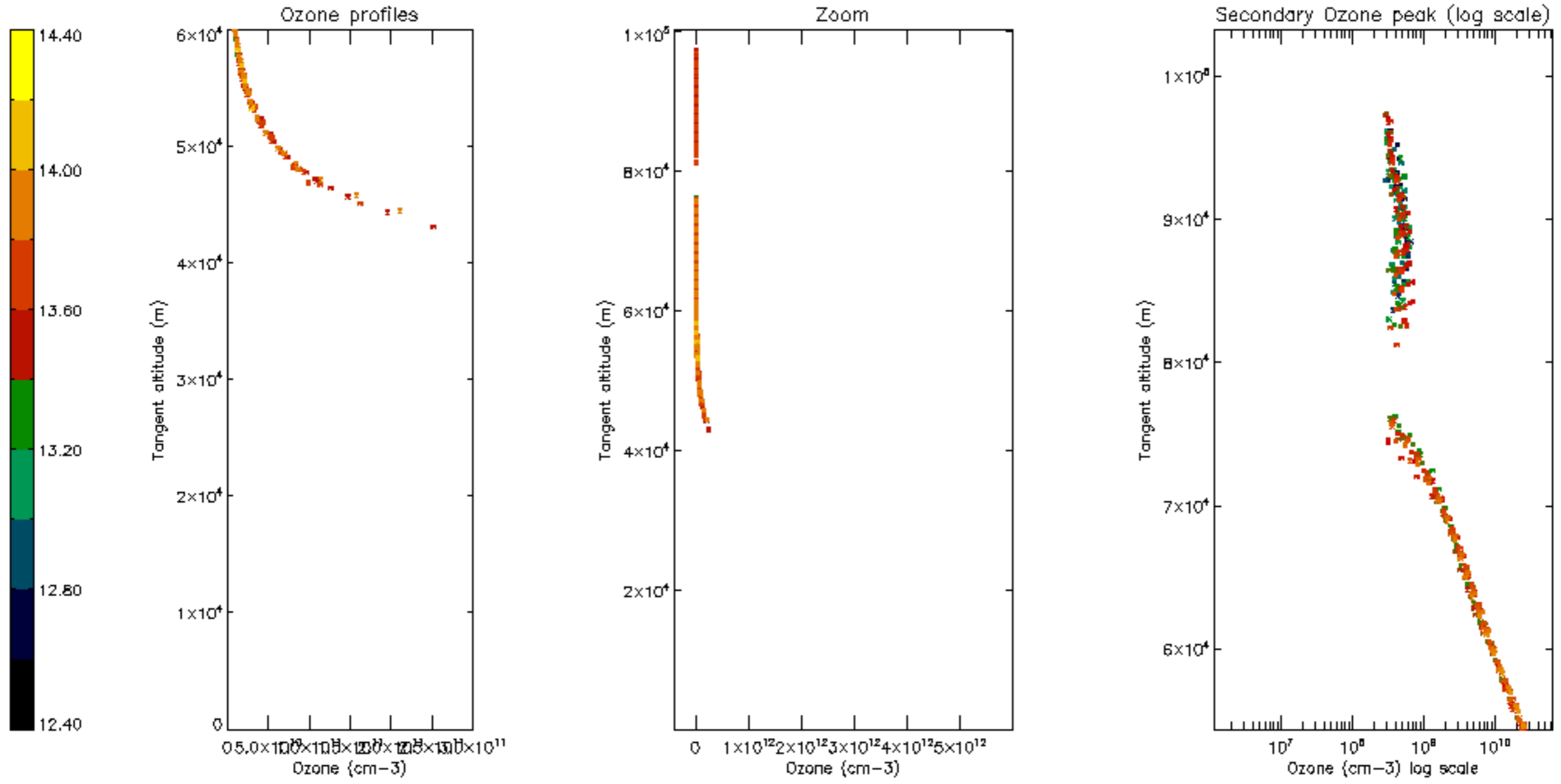
Percentage of star falling outside central band per profile



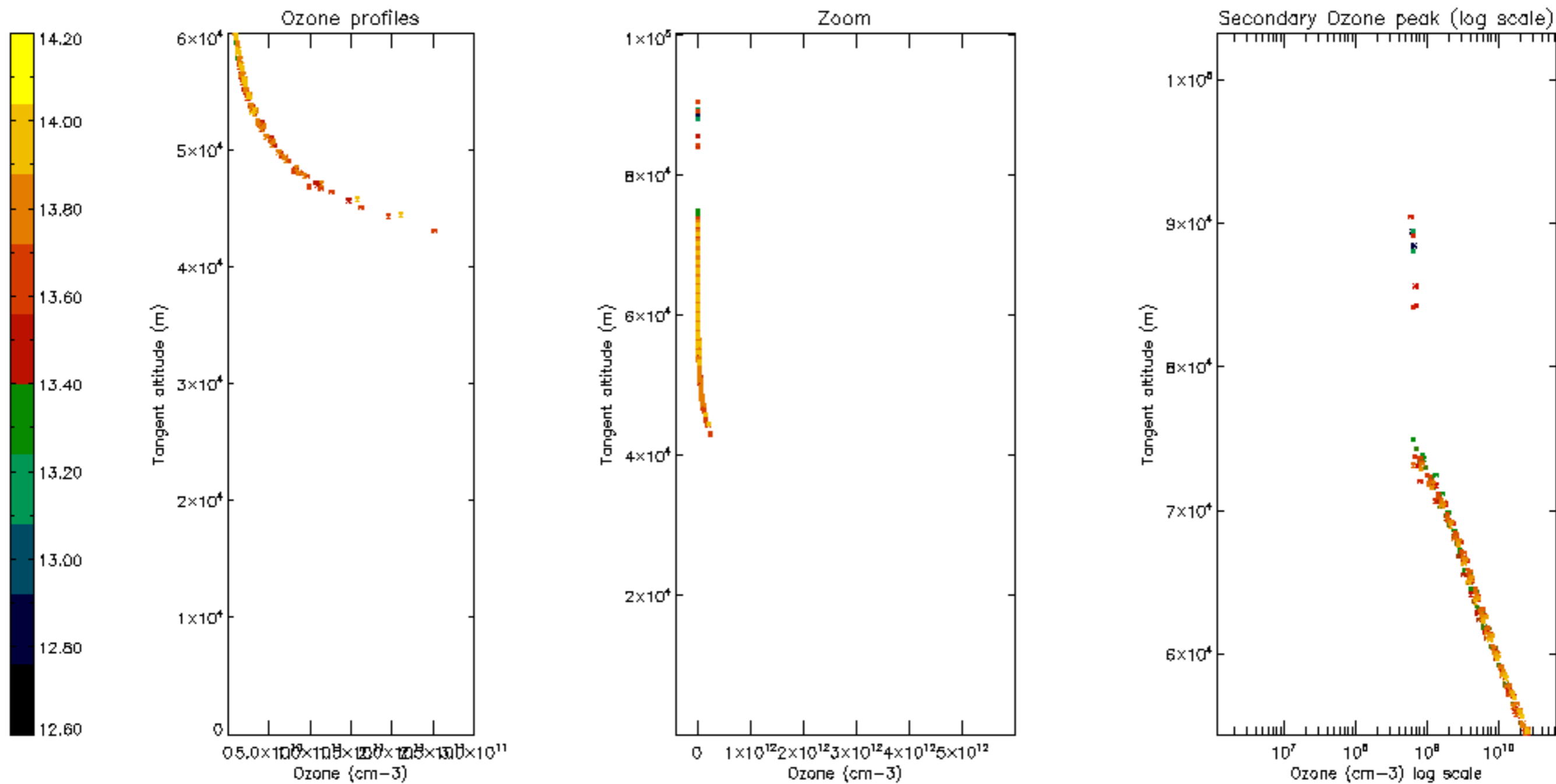
Percentage of saturation errors per profile

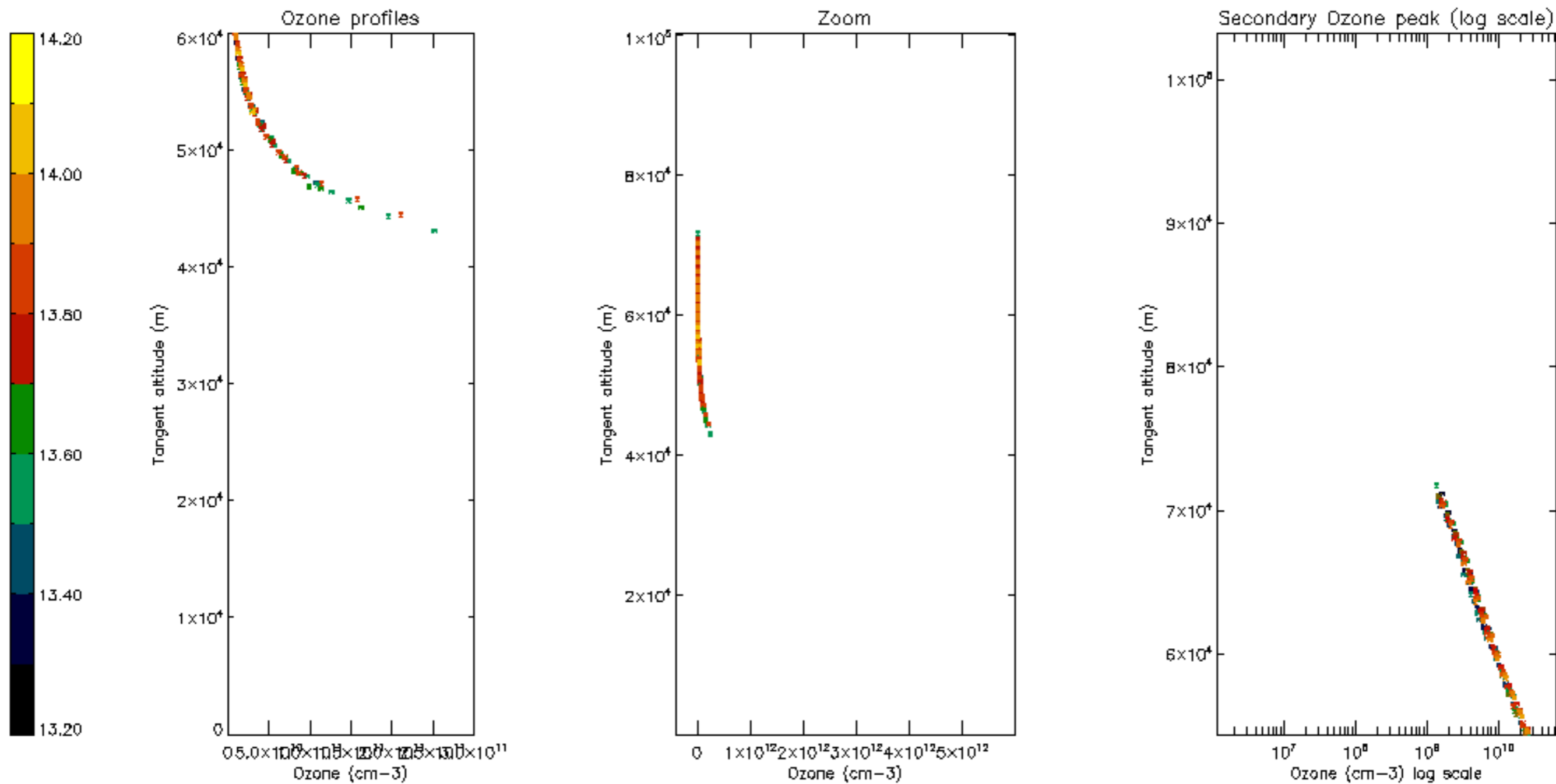


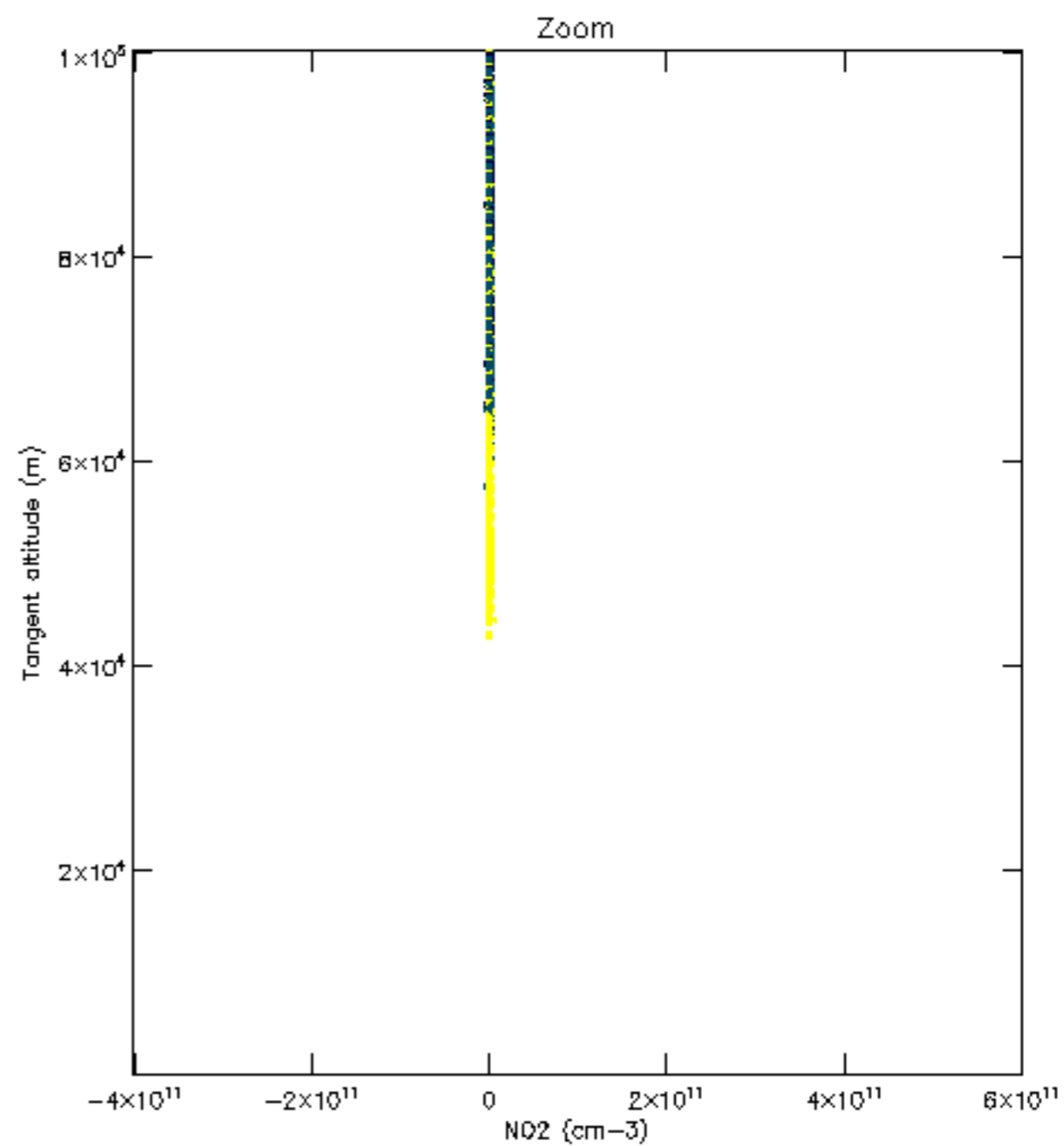
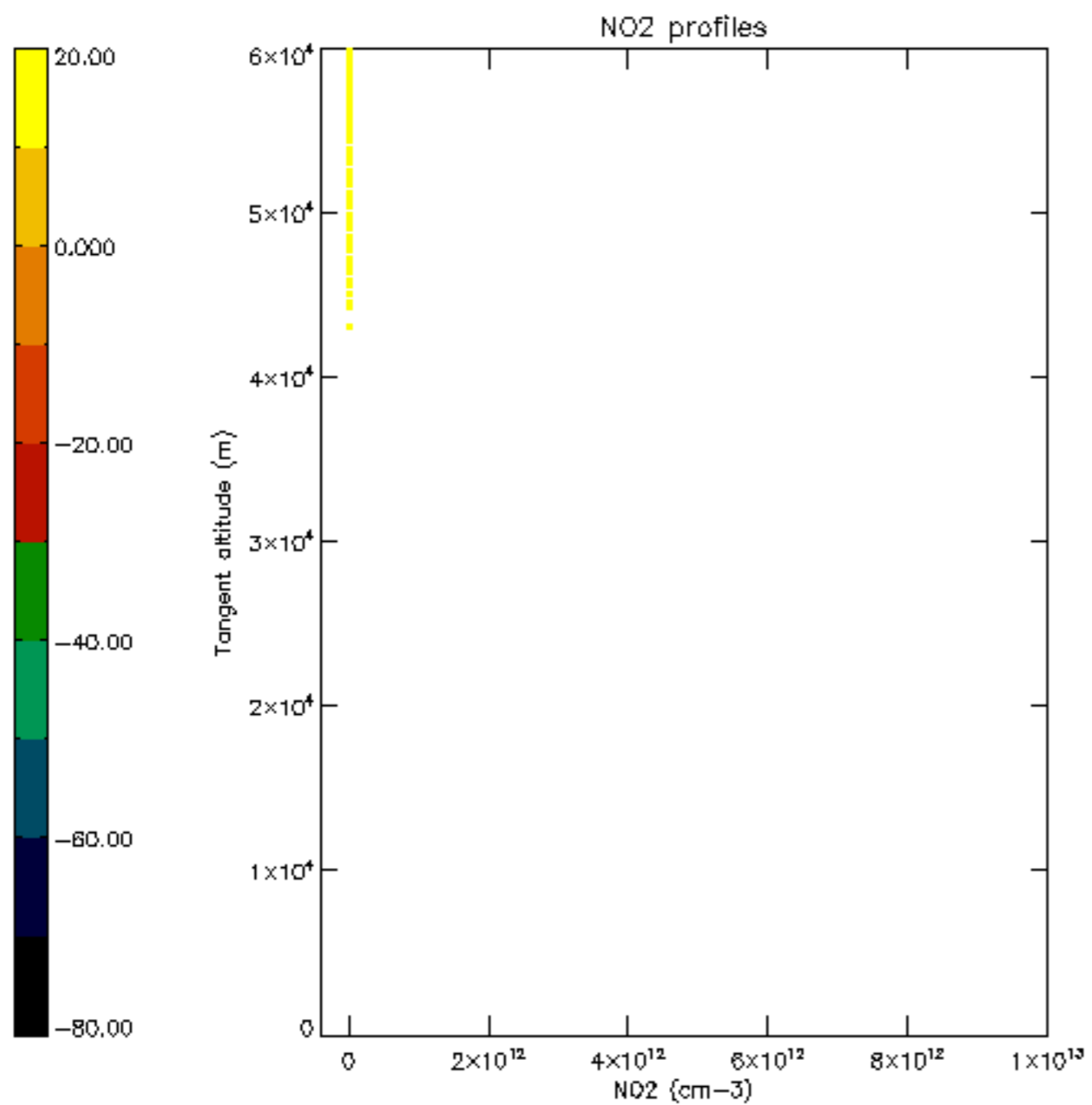


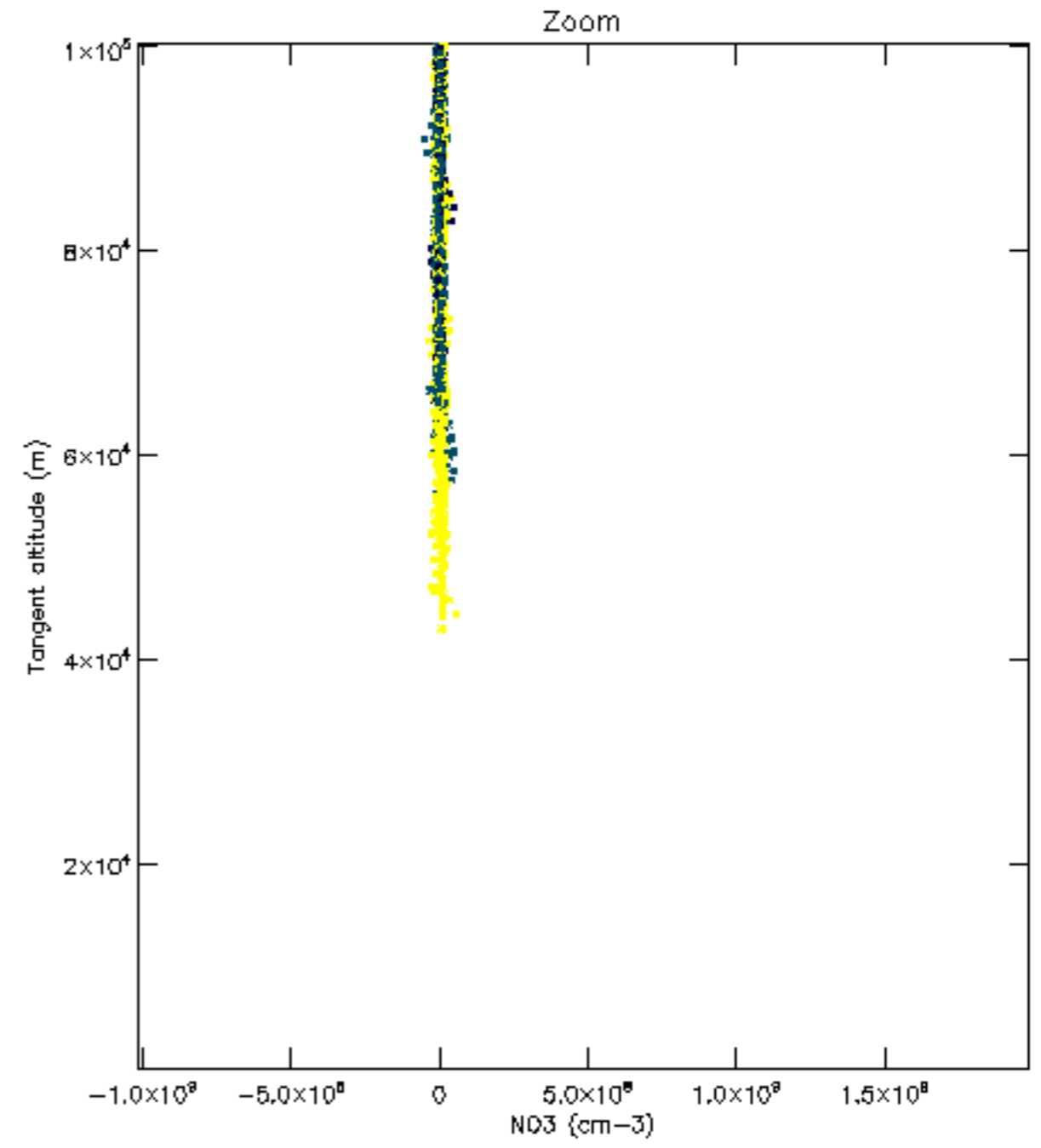
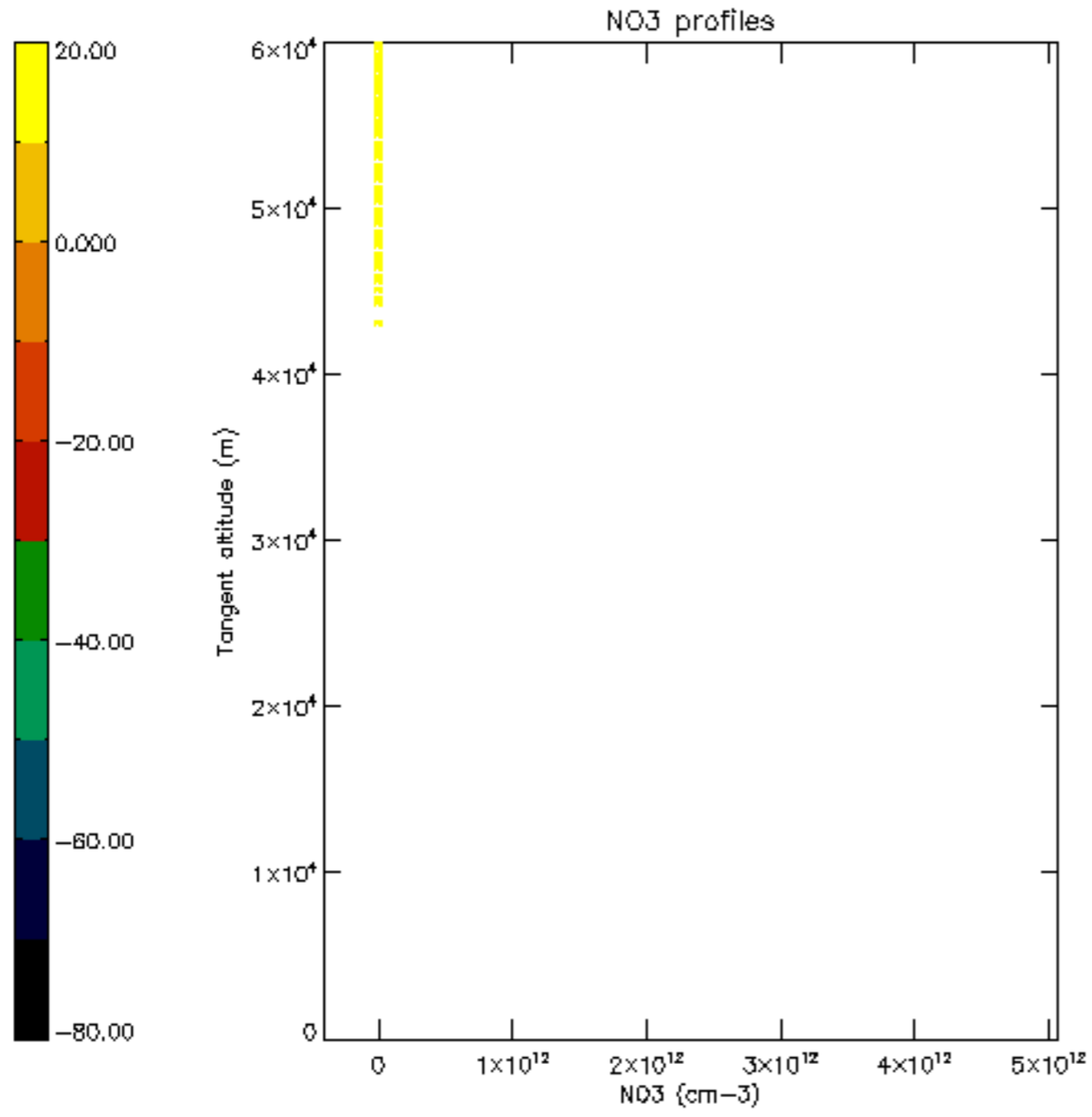


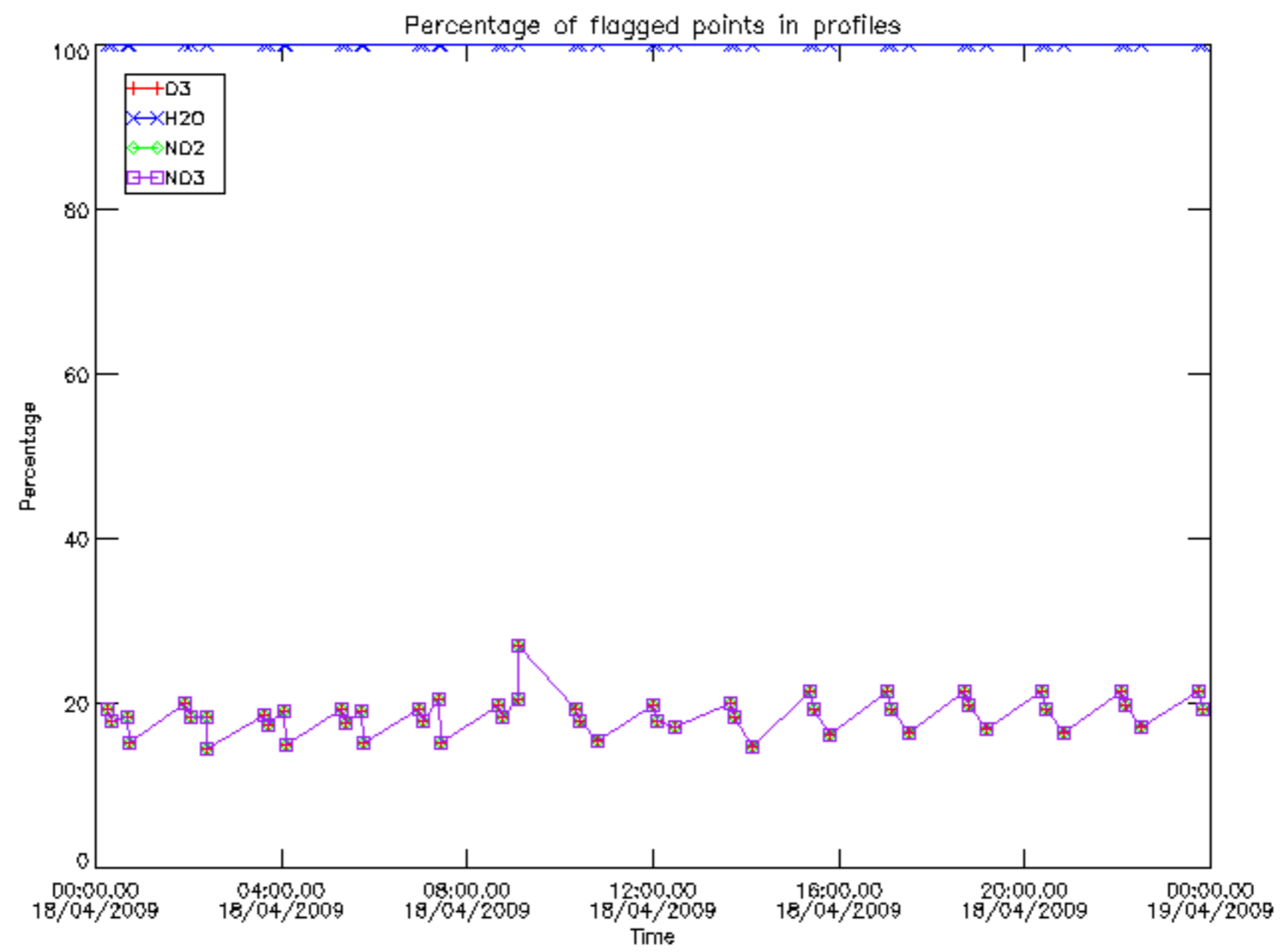




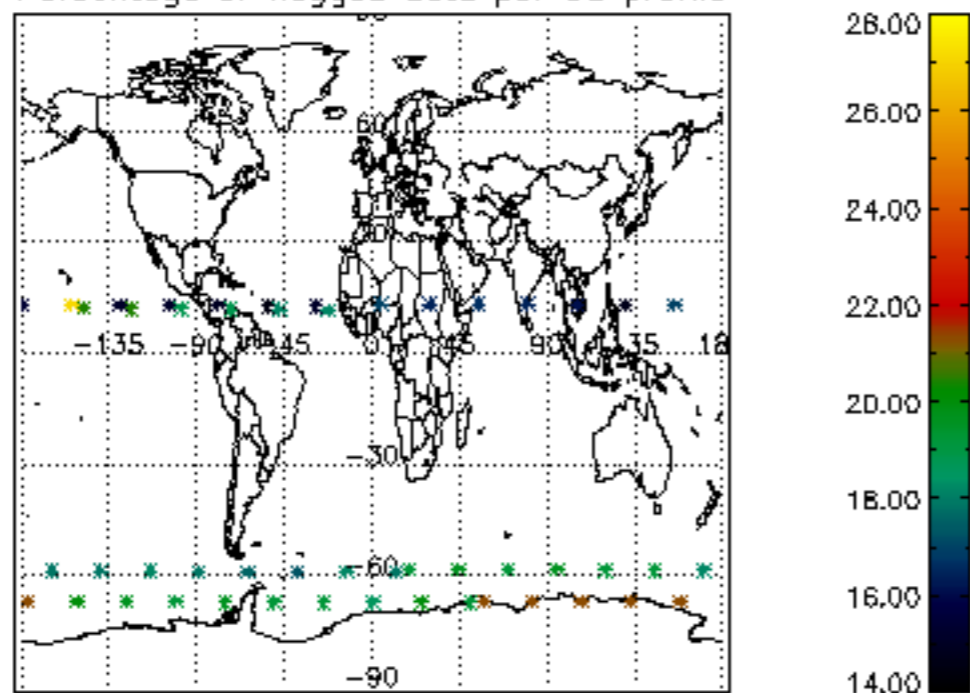




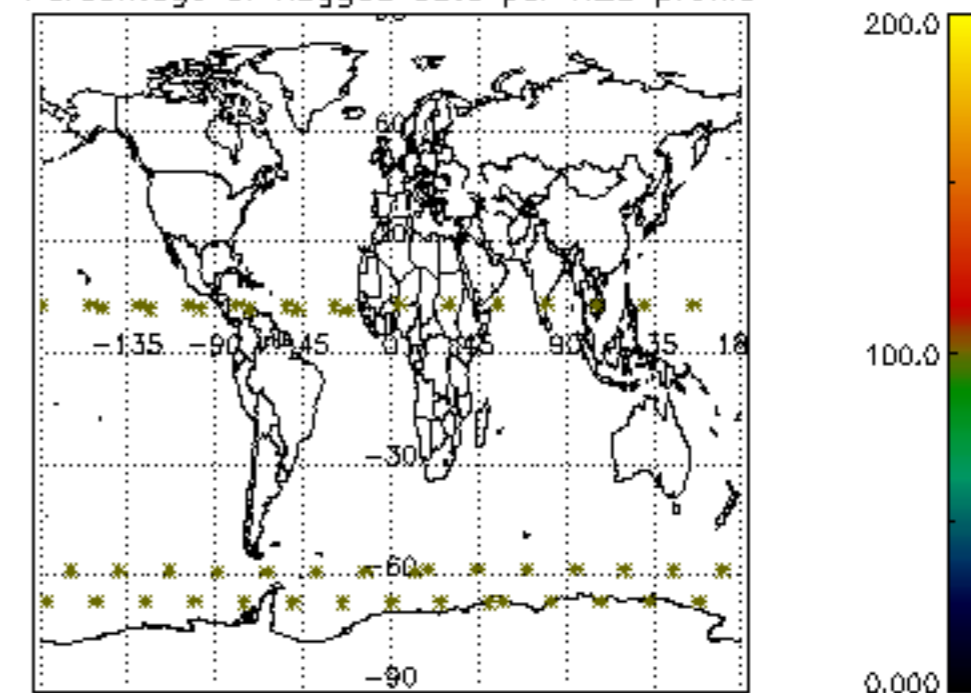




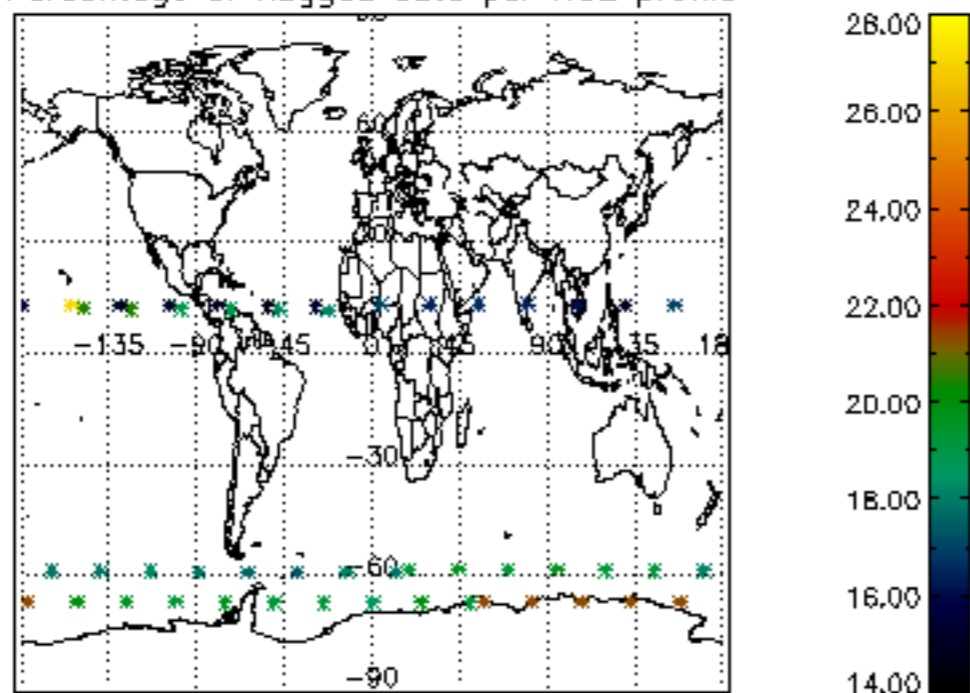
Percentage of flagged data per D3 profile



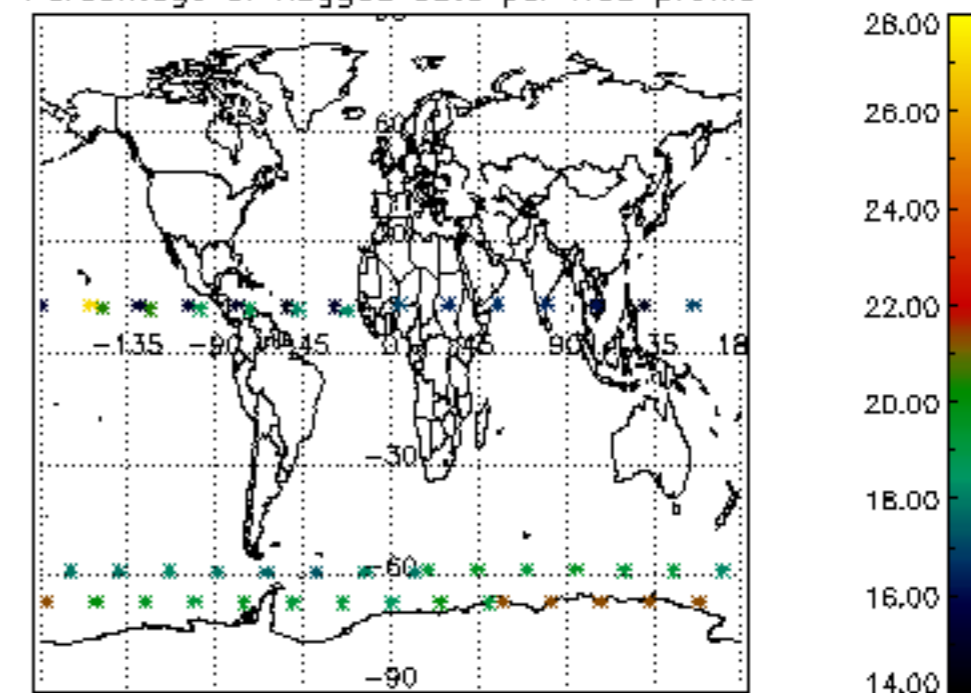
Percentage of flagged data per H2O profile

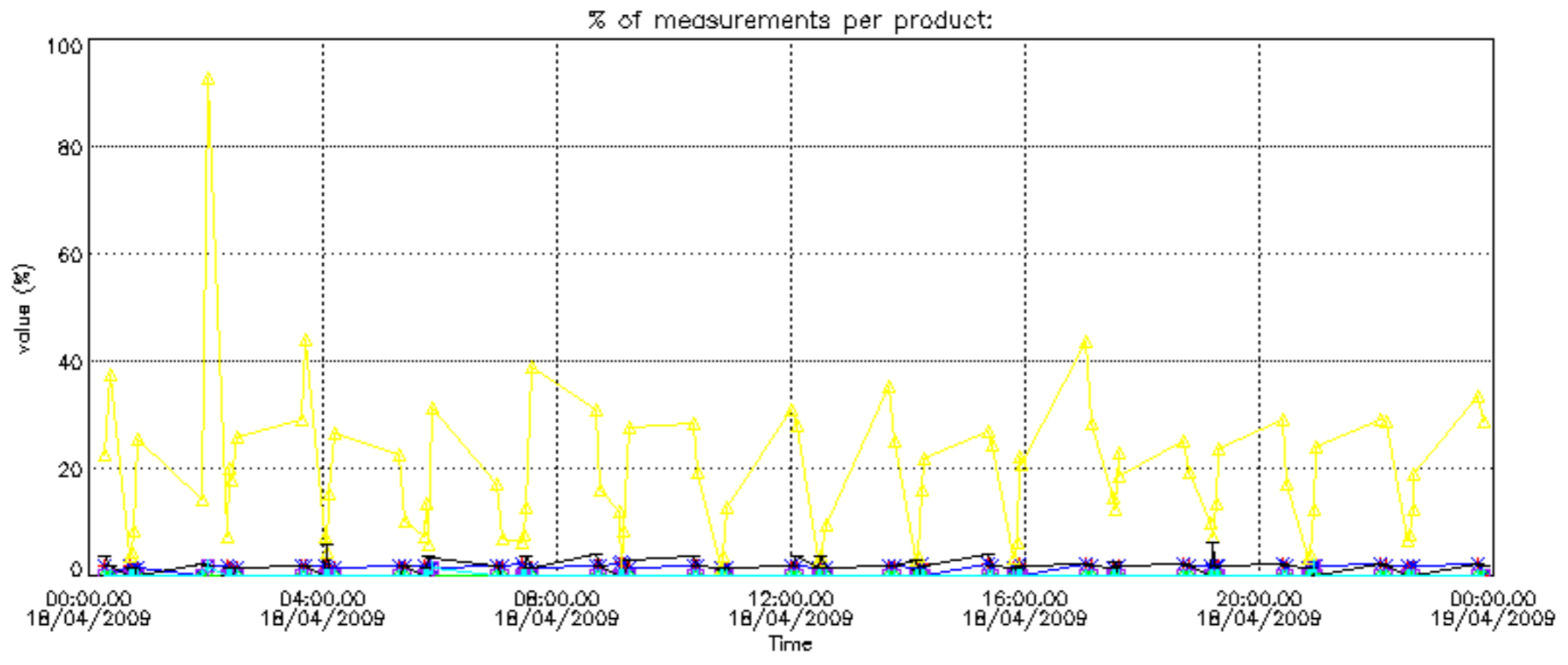


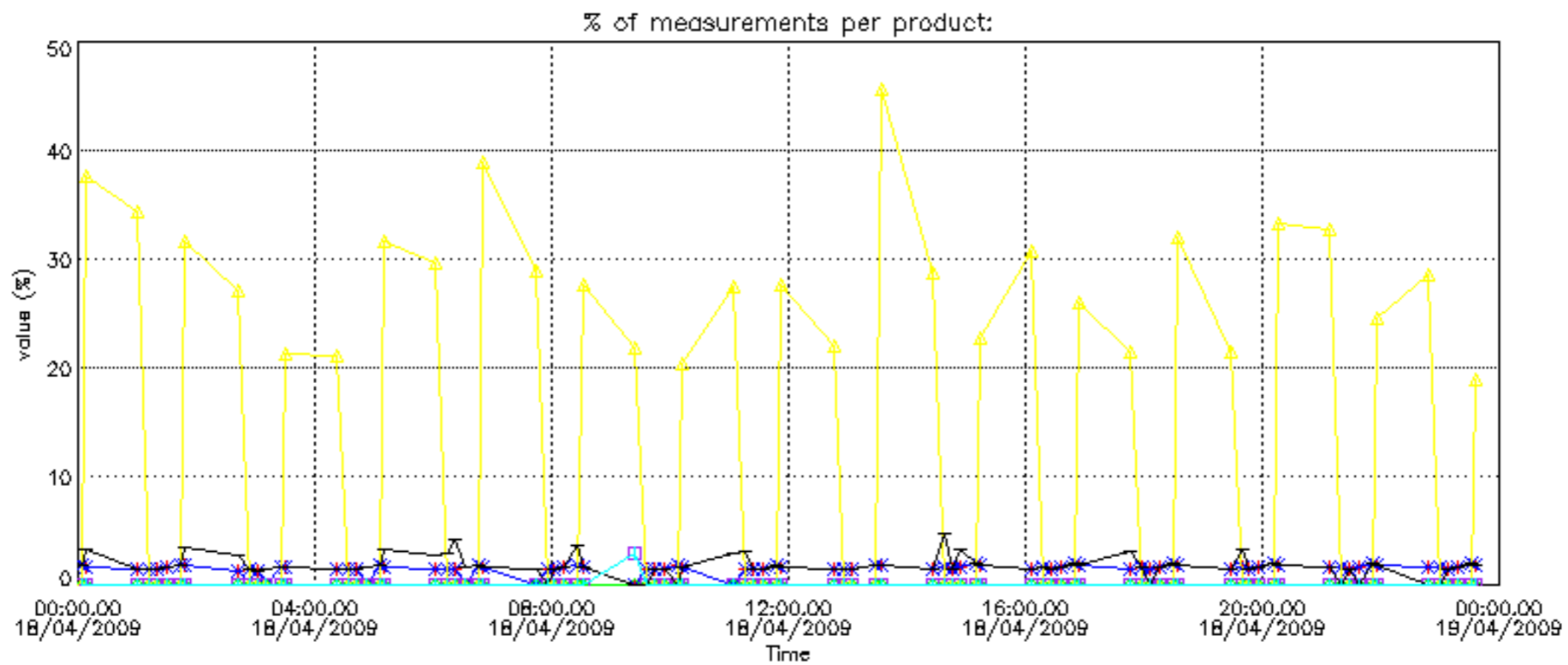
Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

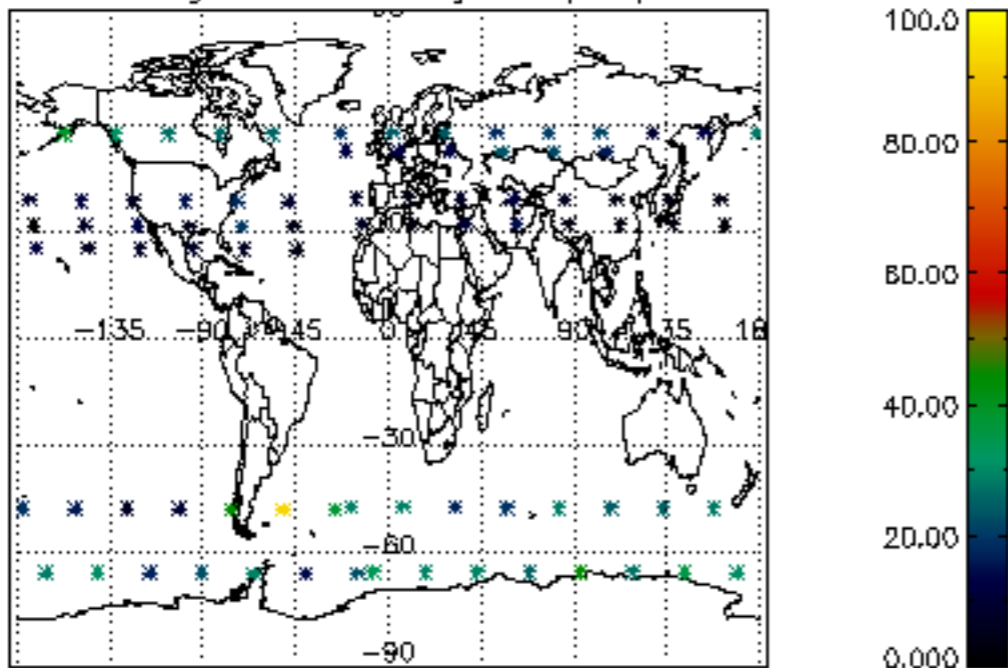




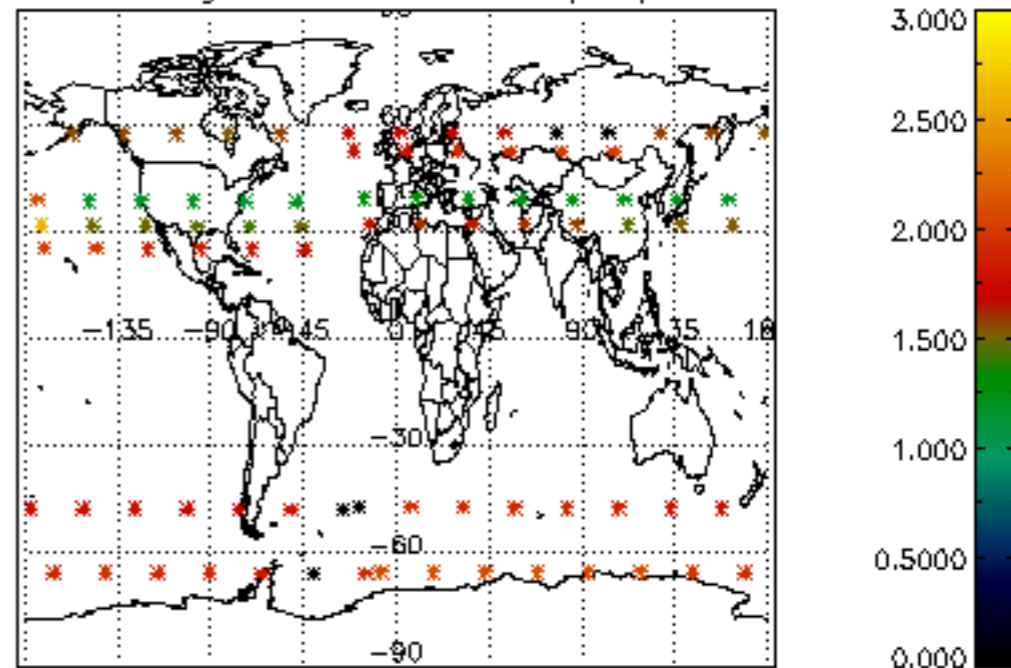




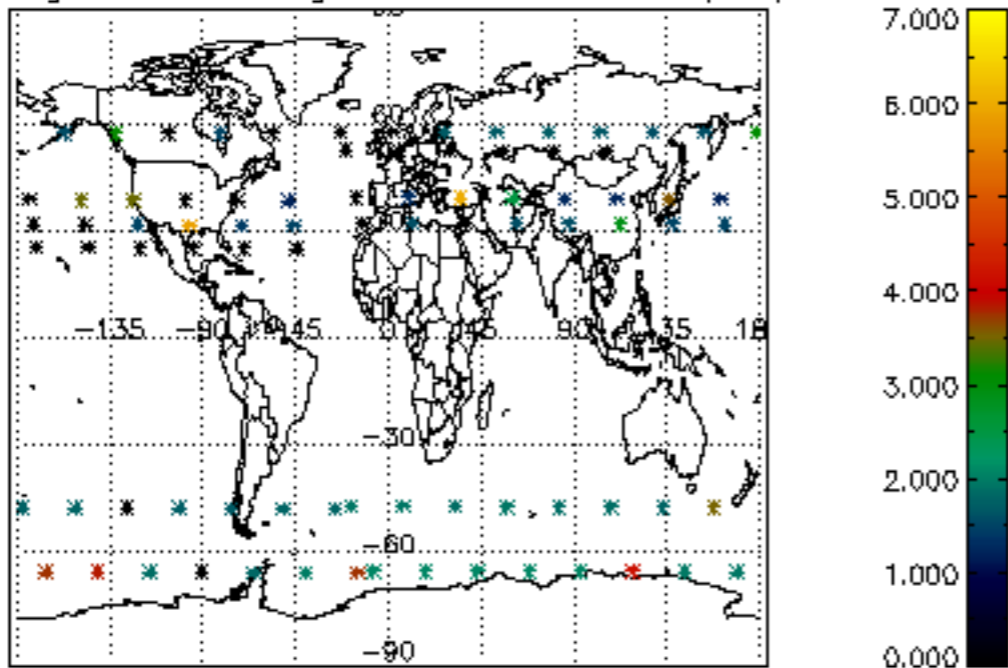
Percentage of cosmic ray hits per profile



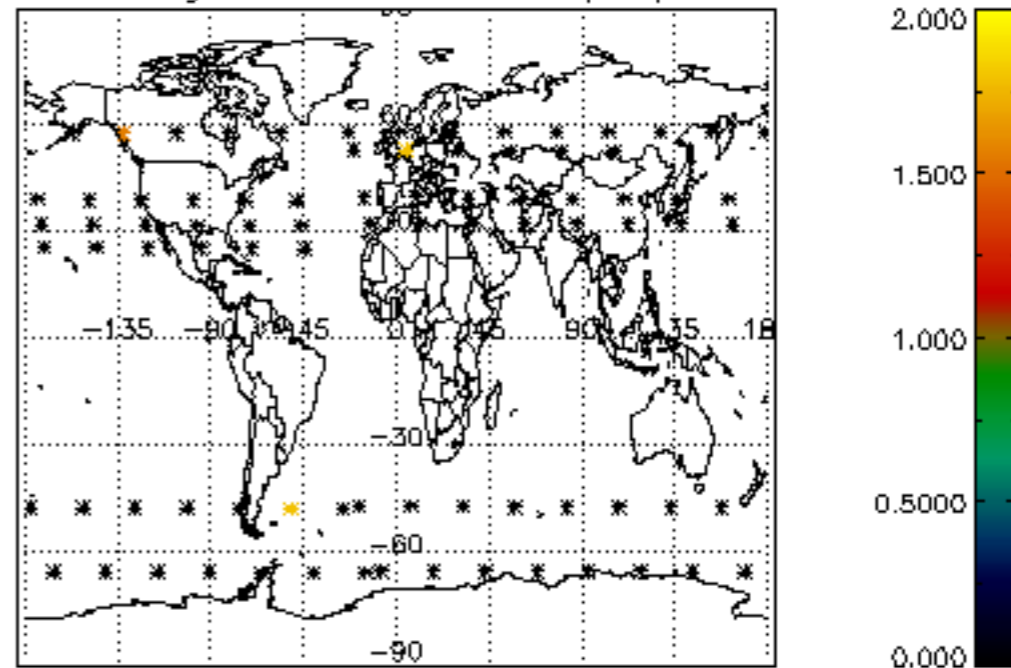
Percentage of datation errors per profile



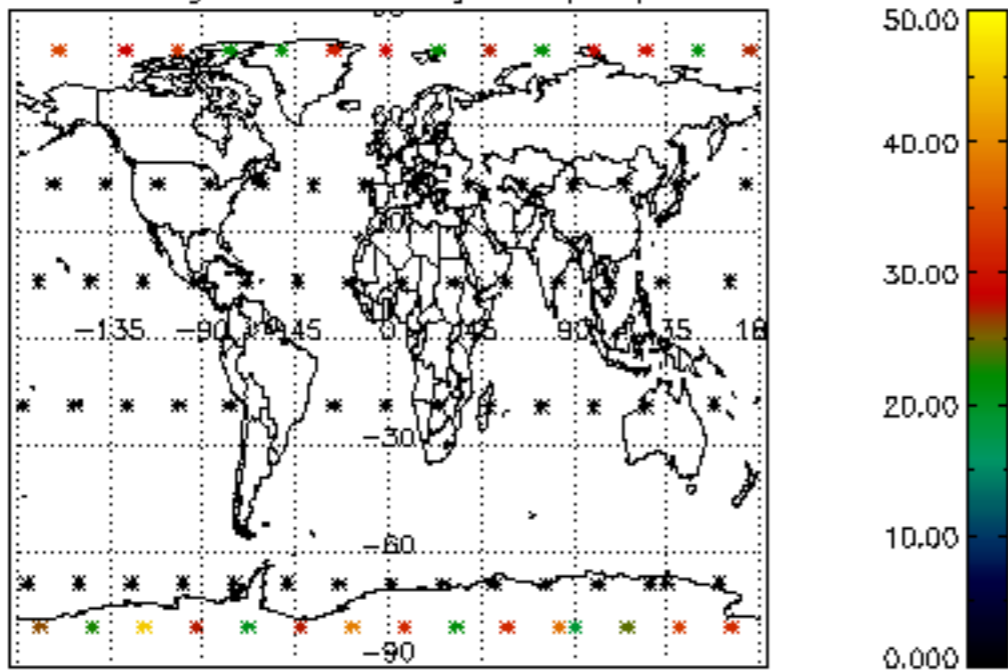
Percentage of star falling outside central band per profile



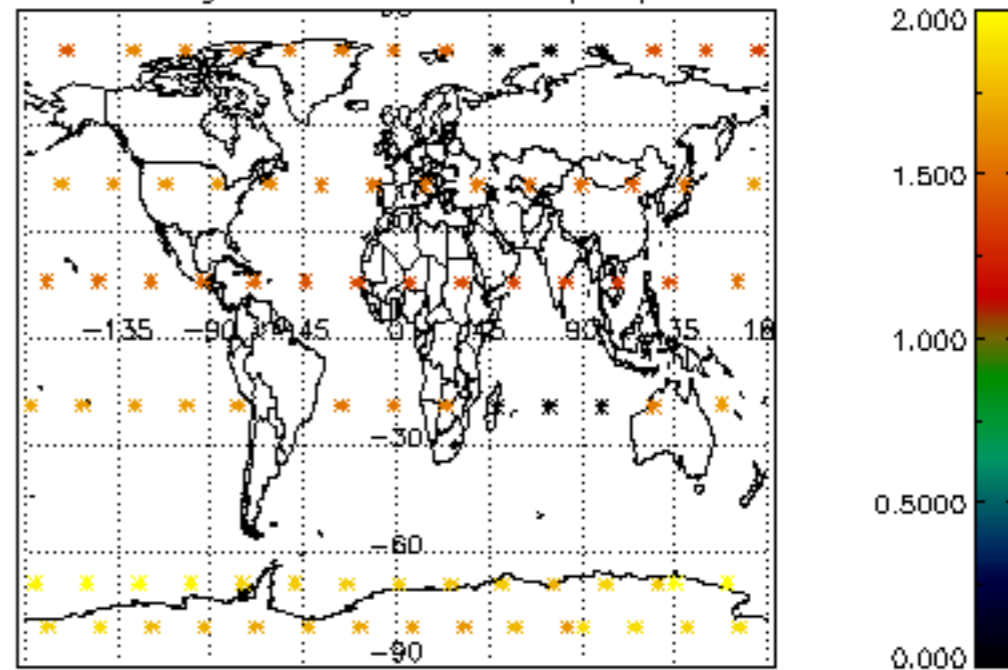
Percentage of saturation errors per profile



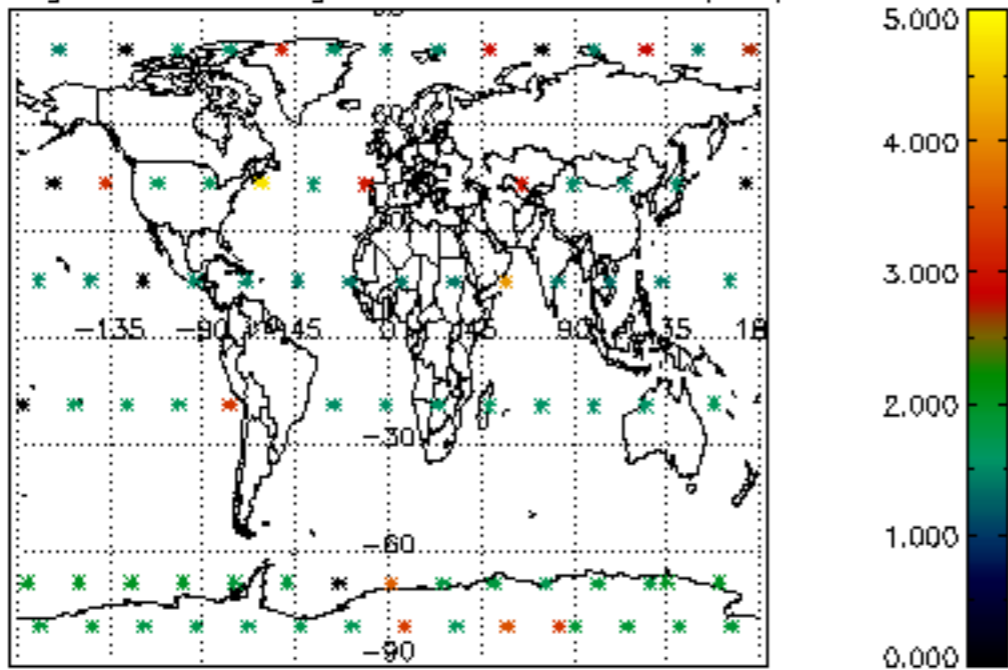
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

