

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

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

[3. Level 2 Quality information per product](#)

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

[3.2 Plot of level 2 quality information per product \(world map\)](#)

[4. Level 1 Quality information per product \(stored on level 2 products\)](#)

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

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

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

[4.2 Plot of level 1 quality information per product \(world map\)](#)

[4.2.1 Plot of level 1 quality information per product \(world map\): ASCENDING](#)

[4.2.2 Plot of level 1 quality information per product \(world map\): DESCENDING](#)

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

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

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

[5.3 Plot ozone profiles where STD < 20% \(dark without errors\)](#)

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

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

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

[5.7 Plot NO3 profiles for all STD \(dark without errors\)](#)

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

[6. Auxiliary Data Files used for the production reported in section 2](#)

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

Item	Value
Time of report generation	25APR2013 18:49:30
Data source version	GOMOS/6.01
Start time of products	15-08-2008 (15AUG2008 00:00:00)
Stop time of products	16-08-2008 (16AUG2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	212
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__2PRFIN20080815_000008_000000372071_00145_33766_6130.N1	15-AUG-2008 00:00:08	Bright	36.500	11	53Alp Aql	0.76500	8000.0	73	33766	No
2	GOM_NL__2PRFIN20080815_000730_000000372071_00145_33766_6131.N1	15-AUG-2008 00:07:30	Bright	36.500	92	53Eps Cyg	2.5000	4500.0	73	33766	No
3	GOM_NL__2PRFIN20080815_000904_000000352071_00145_33766_6132.N1	15-AUG-2008 00:09:04	Bright	34.500	66	37Gam Cyg	2.2080	5900.0	69	33766	No
4	GOM_NL__2PRFIN20080815_001019_000000332071_00145_33766_6133.N1	15-AUG-2008 00:10:19	Bright	33.000	144	18Del Cyg	2.8600	11000.	66	33766	No
5	GOM_NL__2PRFIN20080815_001604_000000392071_00145_33766_6134.N1	15-AUG-2008 00:16:04	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	33766	No
6	GOM_NL__2PRFIN20080815_002302_000000362071_00145_33766_6135.N1	15-AUG-2008 00:23:02	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	33766	No
7	GOM_NL__2PRFIN20080815_004248_000000462071_00145_33766_6136.N1	15-AUG-2008 00:42:48	Twilight	46.000	151	13Mu Gem	2.8900	3000.0	92	33766	No
8	GOM_NL__2PRFIN20080815_004423_000000422071_00145_33766_6137.N1	15-AUG-2008 00:44:23	Twilight	42.000	44	24Gam Gem	1.9280	11000.	84	33766	No
9	GOM_NL__2PRFIN20080815_005330_000000462071_00145_33766_6138.N1	15-AUG-2008 00:53:30	Dark	45.500	1	9Alp CMa	-1.4400	11000.	91	33766	No
10	GOM_NL__2PRFIN20080815_005508_000000362071_00145_33766_6139.N1	15-AUG-2008 00:55:08	Dark	35.500	179	24Omi2CMa	3.0320	24000.	71	33766	No
11	GOM_NL__2PRFIN20080815_005636_000000402071_00145_33766_6140.N1	15-AUG-2008 00:56:36	Dark	40.000	23	21Eps CMa	1.5020	26000.	80	33766	No
12	GOM_NL__2PRFIN20080815_010325_000000452071_00145_33766_6141.N1	15-AUG-2008 01:03:25	Dark	44.500	2	Alp Car	-0.73600	7000.0	89	33766	No
13	GOM_NL__2PRFIN20080815_011349_000000472071_00146_33767_6138.N1	15-AUG-2008 01:13:49	Dark	47.000	9	Alp Eri	0.45300	24000.	94	33767	No
14	GOM_NL__2PRFIN20080815_011937_000000482071_00146_33767_6139.N1	15-AUG-2008 01:19:37	Straylight	47.500	148	Alp Tuc	2.8780	4100.0	95	33767	No
15	GOM_NL__2PRFIN20080815_012311_000000412071_00146_33767_6140.N1	15-AUG-2008 01:23:11	Straylight	41.000	31	Alp Gru	1.7340	15200.	82	33767	No
16	GOM_NL__2PRFIN20080815_012610_000000402071_00146_33767_6141.N1	15-AUG-2008 01:26:10	Straylight	40.000	172	Gam Gru	3.0030	13100.	80	33767	No
17	GOM_NL__2PRFIN20080815_014044_000000362071_00146_33767_6142.N1	15-AUG-2008 01:40:44	Bright	35.500	11	53Alp Aql	0.76500	8000.0	71	33767	No
18	GOM_NL__2PRFIN20080815_014805_000000412071_00146_33767_6143.N1	15-AUG-2008 01:48:05	Bright	40.500	92	53Eps Cyg	2.5000	4500.0	81	33767	No
19	GOM_NL__2PRFIN20080815_014940_000000392071_00146_33767_6144.N1	15-AUG-2008 01:49:40	Bright	39.000	66	37Gam Cyg	2.2080	5900.0	78	33767	No
20	GOM_NL__2PRFIN20080815_015055_000000352071_00146_33767_6145.N1	15-AUG-2008 01:50:55	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	33767	No
21	GOM_NL__2PRFIN20080815_015640_000000392071_00146_33767_6146.N1	15-AUG-2008 01:56:40	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	33767	No
22	GOM_NL__2PRFIN20080815_020338_000000362071_00146_33767_6147.N1	15-AUG-2008 02:03:38	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	33767	No
23	GOM_NL__2PRFIN20080815_022324_000000452071_00146_33767_6148.N1	15-AUG-2008 02:23:24	Twilight	45.000	151	13Mu Gem	2.8900	3000.0	90	33767	No
24	GOM_NL__2PRFIN20080815_022459_000000422071_00146_33767_6149.N1	15-AUG-2008 02:24:59	Twilight	42.000	44	24Gam Gem	1.9280	11000.	84	33767	No
25	GOM_NL__2PRFIN20080815_023406_000000422071_00146_33767_6150.N1	15-AUG-2008 02:34:06	Dark	41.500	1	9Alp CMa	-1.4400	11000.	83	33767	No
26	GOM_NL__2PRFIN20080815_023544_000000392071_00146_33767_6151.N1	15-AUG-2008 02:35:44	Dark	38.500	179	24Omi2CMa	3.0320	24000.	77	33767	No
27	GOM_NL__2PRFIN20080815_023712_000000422071_00146_33767_6152.N1	15-AUG-2008 02:37:12	Dark	41.500	23	21Eps CMa	1.5020	26000.	83	33767	No
28	GOM_NL__2PRFIN20080815_024402_000000452071_00146_33767_6153.N1	15-AUG-2008 02:44:02	Dark	45.000	2	Alp Car	-0.73600	7000.0	90	33767	No
29	GOM_NL__2PRFIN20080815_025425_000000462071_00147_33768_6160.N1	15-AUG-2008 02:54:25	Dark	46.000	9	Alp Eri	0.45300	24000.	92	33768	No
30	GOM_NL__2PRFIN20080815_030014_000000482071_00147_33768_6161.N1	15-AUG-2008 03:00:14	Straylight	48.000	148	Alp Tuc	2.8780	4100.0	96	33768	No
31	GOM_NL__2PRFIN20080815_030347_000000422071_00147_33768_6162.N1	15-AUG-2008 03:03:47	Straylight	41.500	31	Alp Gru	1.7340	15200.	83	33768	No
32	GOM_NL__2PRFIN20080815_030646_000000412071_00147_33768_6163.N1	15-AUG-2008 03:06:46	Straylight	41.000	172	Gam Gru	3.0030	13100.	82	33768	No
33	GOM_NL__2PRFIN20080815_032120_000000352071_00147_33768_6164.N1	15-AUG-2008 03:21:20	Bright	35.000	11	53Alp Aql	0.76500	8000.0	70	33768	No
34	GOM_NL__2PRFIN20080815_032841_000000372071_00147_33768_6165.N1	15-AUG-2008 03:28:41	Bright	37.000	92	53Eps Cyg	2.5000	4500.0	74	33768	No
35	GOM_NL__2PRFIN20080815_033015_000000352071_00147_33768_6166.N1	15-AUG-2008 03:30:15	Bright	35.000	66	37Gam Cyg	2.2080	5900.0	70	33768	No
36	GOM_NL__2PRFIN20080815_033131_000000342071_00147_33768_6167.N1	15-AUG-2008 03:31:31	Bright	33.500	144	18Del Cyg	2.8600	11000.	67	33768	No
37	GOM_NL__2PRFIN20080815_033715_000000362071_00147_33768_6168.N1	15-AUG-2008 03:37:15	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	33768	No
38	GOM_NL__2PRFIN20080815_034414_000000362071_00147_33768_6169.N1	15-AUG-2008 03:44:14	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	33768	No
39	GOM_NL__2PRFIN20080815_040400_000000452071_00147_33768_6170.N1	15-AUG-2008 04:04:00	Twilight	44.500	151	13Mu Gem	2.8900	3000.0	89	33768	No
40	GOM_NL__2PRFIN20080815_040535_000000372071_00147_33768_6171.N1	15-AUG-2008 04:05:35	Twilight	37.000	44	24Gam Gem	1.9280	11000.	74	33768	No
41	GOM_NL__2PRFIN20080815_041442_000000502071_00147_33768_6172.N1	15-AUG-2008 04:14:42	Dark	49.500	1	9Alp CMa	-1.4400	11000.	99	33768	No
42	GOM_NL__2PRFIN20080815_041621_000000382071_00147_33768_6173.N1	15-AUG-2008 04:16:21	Dark	37.500	179	24Omi2CMa	3.0320	24000.	75	33768	No

43	GOM_NL__2PRFIN20080815_041748_000000412071_00147_33768_6174.N1	15-AUG-2008 04:17:48	Dark	40.500	23	21Eps CMa	1.5020	26000.	81	33768	No
44	GOM_NL__2PRFIN20080815_042438_000000522071_00147_33768_6175.N1	15-AUG-2008 04:24:38	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	33768	No
45	GOM_NL__2PRFIN20080815_043502_000000442071_00148_33769_6174.N1	15-AUG-2008 04:35:02	Dark	44.000	9	Alp Eri	0.45300	24000.	88	33769	No
46	GOM_NL__2PRFIN20080815_044050_000000402071_00148_33769_6175.N1	15-AUG-2008 04:40:50	Straylight	40.000	148	Alp Tuc	2.8780	4100.0	80	33769	No
47	GOM_NL__2PRFIN20080815_044423_000000412071_00148_33769_6176.N1	15-AUG-2008 04:44:23	Straylight	40.500	31	Alp Gru	1.7340	15200.	81	33769	No
48	GOM_NL__2PRFIN20080815_044722_000000412071_00148_33769_6177.N1	15-AUG-2008 04:47:22	Straylight	41.000	172	Gam Gru	3.0030	13100.	82	33769	No
49	GOM_NL__2PRFIN20080815_050156_000000372071_00148_33769_6178.N1	15-AUG-2008 05:01:56	Bright	37.000	11	53Alp Aql	0.76500	8000.0	74	33769	No
50	GOM_NL__2PRFIN20080815_050917_000000402071_00148_33769_6179.N1	15-AUG-2008 05:09:17	Bright	39.500	92	53Eps Cyg	2.5000	4500.0	79	33769	No
51	GOM_NL__2PRFIN20080815_051051_000000382071_00148_33769_6180.N1	15-AUG-2008 05:10:51	Bright	38.000	66	37Gam Cyg	2.2080	5900.0	76	33769	No
52	GOM_NL__2PRFIN20080815_051207_000000362071_00148_33769_6181.N1	15-AUG-2008 05:12:07	Bright	36.000	144	18Del Cyg	2.8600	11000.	72	33769	No
53	GOM_NL__2PRFIN20080815_051751_000000382071_00148_33769_6182.N1	15-AUG-2008 05:17:51	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	33769	No
54	GOM_NL__2PRFIN20080815_052450_000000362071_00148_33769_6183.N1	15-AUG-2008 05:24:50	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	33769	No
55	GOM_NL__2PRFIN20080815_054436_000000472071_00148_33769_6184.N1	15-AUG-2008 05:44:36	Twilight_and_stray	46.500	151	13Mu Gem	2.8900	3000.0	93	33769	No
56	GOM_NL__2PRFIN20080815_054611_000000422071_00148_33769_6185.N1	15-AUG-2008 05:46:11	Twilight_and_stray	41.500	44	24Gam Gem	1.9280	11000.	83	33769	No
57	GOM_NL__2PRFIN20080815_055519_000000442071_00148_33769_6186.N1	15-AUG-2008 05:55:19	Dark	44.000	1	9Alp CMa	-1.4400	11000.	88	33769	No
58	GOM_NL__2PRFIN20080815_055657_000000382071_00148_33769_6187.N1	15-AUG-2008 05:56:57	Dark	37.500	179	24Omi2CMa	3.0320	24000.	75	33769	No
59	GOM_NL__2PRFIN20080815_055824_000000422071_00148_33769_6188.N1	15-AUG-2008 05:58:24	Dark	41.500	23	21Eps CMa	1.5020	26000.	83	33769	No
60	GOM_NL__2PRFIN20080815_060514_000000502071_00148_33769_6189.N1	15-AUG-2008 06:05:14	Dark	50.000	2	Alp Car	-0.73600	7000.0	100	33769	No
61	GOM_NL__2PRFIN20080815_061538_000000512071_00149_33770_6188.N1	15-AUG-2008 06:15:38	Dark	50.500	9	Alp Eri	0.45300	24000.	101	33770	No
62	GOM_NL__2PRFIN20080815_062126_000000472071_00149_33770_6189.N1	15-AUG-2008 06:21:26	Straylight	47.000	148	Alp Tuc	2.8780	4100.0	94	33770	No
63	GOM_NL__2PRFIN20080815_062500_000000442071_00149_33770_6190.N1	15-AUG-2008 06:25:00	Straylight	44.000	31	Alp Gru	1.7340	15200.	88	33770	No
64	GOM_NL__2PRFIN20080815_062759_000000402071_00149_33770_6191.N1	15-AUG-2008 06:27:59	Straylight	40.000	172	Gam Gru	3.0030	13100.	80	33770	No
65	GOM_NL__2PRFIN20080815_064232_000000362071_00149_33770_6192.N1	15-AUG-2008 06:42:32	Bright	36.000	11	53Alp Aql	0.76500	8000.0	72	33770	No
66	GOM_NL__2PRFIN20080815_064953_000000392071_00149_33770_6193.N1	15-AUG-2008 06:49:53	Bright	39.000	92	53Eps Cyg	2.5000	4500.0	78	33770	No
67	GOM_NL__2PRFIN20080815_065127_000000382071_00149_33770_6194.N1	15-AUG-2008 06:51:27	Bright	37.500	66	37Gam Cyg	2.2080	5900.0	75	33770	No
68	GOM_NL__2PRFIN20080815_065243_000000352071_00149_33770_6195.N1	15-AUG-2008 06:52:43	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	33770	No
69	GOM_NL__2PRFIN20080815_065827_000000382071_00149_33770_6196.N1	15-AUG-2008 06:58:27	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	33770	No
70	GOM_NL__2PRFIN20080815_070526_000000362071_00149_33770_6197.N1	15-AUG-2008 07:05:26	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	33770	No
71	GOM_NL__2PRFIN20080815_072513_000000452071_00149_33770_6198.N1	15-AUG-2008 07:25:13	Twilight_and_stray	44.500	151	13Mu Gem	2.8900	3000.0	89	33770	No
72	GOM_NL__2PRFIN20080815_072648_000000422071_00149_33770_6199.N1	15-AUG-2008 07:26:48	Twilight_and_stray	41.500	44	24Gam Gem	1.9280	11000.	83	33770	No
73	GOM_NL__2PRFIN20080815_073555_000000442071_00149_33770_6200.N1	15-AUG-2008 07:35:55	Dark	44.000	1	9Alp CMa	-1.4400	11000.	88	33770	No
74	GOM_NL__2PRFIN20080815_073733_000000382071_00149_33770_6201.N1	15-AUG-2008 07:37:33	Dark	37.500	179	24Omi2CMa	3.0320	24000.	75	33770	No
75	GOM_NL__2PRFIN20080815_073900_000000412071_00149_33770_6202.N1	15-AUG-2008 07:39:00	Dark	41.000	23	21Eps CMa	1.5020	26000.	82	33770	No
76	GOM_NL__2PRFIN20080815_074550_000000442071_00149_33770_6203.N1	15-AUG-2008 07:45:50	Dark	44.000	2	Alp Car	-0.73600	7000.0	88	33770	No
77	GOM_NL__2PRFIN20080815_075615_000000442071_00150_33771_6210.N1	15-AUG-2008 07:56:15	Dark	44.000	9	Alp Eri	0.45300	24000.	88	33771	No
78	GOM_NL__2PRFIN20080815_080203_000000412071_00150_33771_6211.N1	15-AUG-2008 08:02:03	Straylight	40.500	148	Alp Tuc	2.8780	4100.0	81	33771	No
79	GOM_NL__2PRFIN20080815_080536_000000422071_00150_33771_6212.N1	15-AUG-2008 08:05:36	Straylight	41.500	31	Alp Gru	1.7340	15200.	83	33771	No
80	GOM_NL__2PRFIN20080815_080835_000000422071_00150_33771_6213.N1	15-AUG-2008 08:08:35	Straylight	41.500	172	Gam Gru	3.0030	13100.	83	33771	No
81	GOM_NL__2PRFIN20080815_082308_000000352071_00150_33771_6214.N1	15-AUG-2008 08:23:08	Bright	35.000	11	53Alp Aql	0.76500	8000.0	70	33771	No
82	GOM_NL__2PRFIN20080815_083028_000000362071_00150_33771_6215.N1	15-AUG-2008 08:30:28	Bright	35.500	92	53Eps Cyg	2.5000	4500.0	71	33771	No
83	GOM_NL__2PRFIN20080815_083203_000000392071_00150_33771_6216.N1	15-AUG-2008 08:32:03	Bright	38.500	66	37Gam Cyg	2.2080	5900.0	77	33771	No
84	GOM_NL__2PRFIN20080815_083319_000000362071_00150_33771_6217.N1	15-AUG-2008 08:33:19	Bright	35.500	144	18Del Cyg	2.8600	11000.	71	33771	No
85	GOM_NL__2PRFIN20080815_083902_000000392071_00150_33771_6218.N1	15-AUG-2008 08:39:02	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	33771	No
86	GOM_NL__2PRFIN20080815_084602_000000342071_00150_33771_6219.N1	15-AUG-2008 08:46:02	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	33771	No
87	GOM_NL__2PRFIN20080815_090549_000000462071_00150_33771_6220.N1	15-AUG-2008 09:05:49	Twilight_and_stray	46.000	151	13Mu Gem	2.8900	3000.0	92	33771	No
88	GOM_NL__2PRFIN20080815_090724_000000412071_00150_33771_6221.N1	15-AUG-2008 09:07:24	Twilight_and_stray	40.500	44	24Gam Gem	1.9280	11000.	81	33771	No
89	GOM_NL__2PRFIN20080815_091631_000000442071_00150_33771_6222.N1	15-AUG-2008 09:16:31	Dark	43.500	1	9Alp CMa	-1.4400	11000.	87	33771	No
90	GOM_NL__2PRFIN20080815_091809_000000382071_00150_33771_6223.N1	15-AUG-2008 09:18:09	Dark	38.000	179	24Omi2CMa	3.0320	24000.	76	33771	No
91	GOM_NL__2PRFIN20080815_091937_000000432071_00150_33771_6224.N1	15-AUG-2008 09:19:37	Dark	42.500	23	21Eps CMa	1.5020	26000.	85	33771	No
92	GOM_NL__2PRFIN20080815_092626_000000472071_00150_33771_6225.N1	15-AUG-2008 09:26:26	Dark	47.000	2	Alp Car	-0.73600	7000.0	94	33771	No
93	GOM_NL__2PRFIN20080815_093652_000000472071_00151_33772_6222.N1	15-AUG-2008 09:36:52	Dark	46.500	9	Alp Eri	0.45300	24000.	93	33772	No
94	GOM_NL__2PRFIN20080815_094239_000000482071_00151_33772_6223.N1	15-AUG-2008 09:42:39	Straylight	47.500	148	Alp Tuc	2.8780	4100.0	95	33772	No
95	GOM_NL__2PRFIN20080815_094613_000000432071_00151_33772_6224.N1	15-AUG-2008 09:46:13	Straylight	42.500	31	Alp Gru	1.7340	15200.	85	33772	No
96	GOM_NL__2PRFIN20080815_094911_000000412071_00151_33772_6225.N1	15-AUG-2008 09:49:11	Straylight	40.500	172	Gam Gru	3.0030	13100.	81	33772	No
97	GOM_NL__2PRFIN20080815_100344_000000352071_00151_33772_6226.N1	15-AUG-2008 10:03:44	Bright	34.500	11	53Alp Aql	0.76500	8000.0	69	33772	No
98	GOM_NL__2PRFIN20080815_101104_000000392071_00151_33772_6227.N1	15-AUG-2008 10:11:04	Bright	38.500	92	53Eps Cyg	2.5000	4500.0	77	33772	No
99	GOM_NL__2PRFIN20080815_101239_000000392071_00151_33772_6228.N1	15-AUG-2008 10:12:39	Bright	38.500	66	37Gam Cyg	2.2080	5900.0	77	33772	No
100	GOM_NL__2PRFIN20080815_101355_000000352071_00151_33772_6229.N1	15-AUG-2008 10:13:55	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	33772	No
101	GOM_NL__2PRFIN20080815_101938_000000382071_00151_33772_6230.N1	15-AUG-2008 10:19:38	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	33772	No

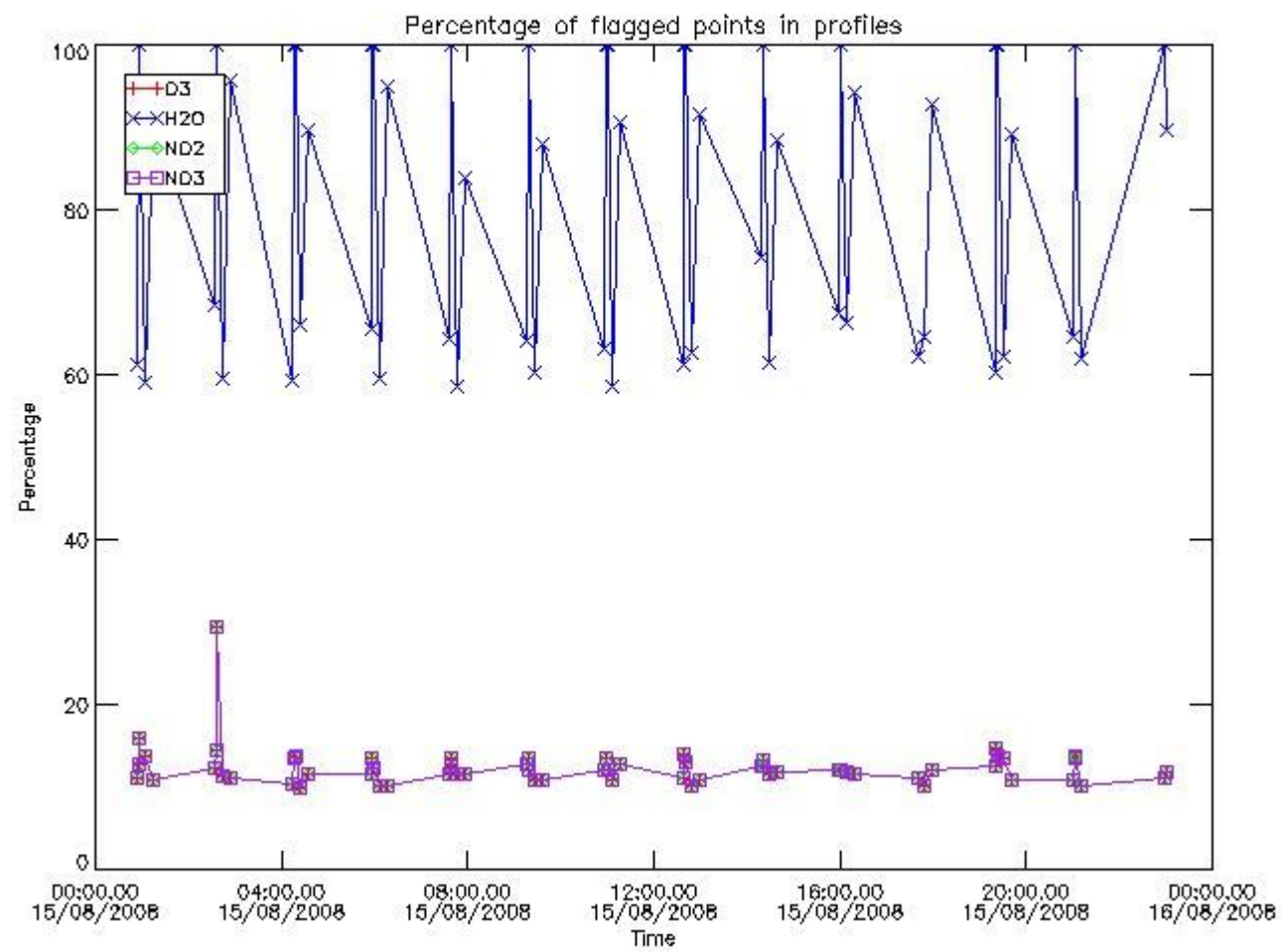
102	GOM_NL__2PRFIN20080815_102638_000000372071_00151_33772_6231.N1	15-AUG-2008 10:26:38	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	33772	No
103	GOM_NL__2PRFIN20080815_104625_000000482071_00151_33772_6232.N1	15-AUG-2008 10:46:25	Twilight_and_stray	47.500	151	13Mu Gem	2.8900	3000.0	95	33772	No
104	GOM_NL__2PRFIN20080815_104800_000000432071_00151_33772_6233.N1	15-AUG-2008 10:48:00	Twilight_and_stray	42.500	44	24Gam Gem	1.9280	11000.	85	33772	No
105	GOM_NL__2PRFIN20080815_105707_000000432071_00151_33772_6234.N1	15-AUG-2008 10:57:07	Dark	42.500	1	9Alp CMa	-1.4400	11000.	85	33772	No
106	GOM_NL__2PRFIN20080815_105845_000000382071_00151_33772_6235.N1	15-AUG-2008 10:58:45	Dark	38.000	179	24Omi2CMa	3.0320	24000.	76	33772	No
107	GOM_NL__2PRFIN20080815_110013_000000422071_00151_33772_6236.N1	15-AUG-2008 11:00:13	Dark	42.000	23	21Eps CMa	1.5020	26000.	84	33772	No
108	GOM_NL__2PRFIN20080815_110703_000000482071_00151_33772_6237.N1	15-AUG-2008 11:07:03	Dark	47.500	2	Alp Car	-0.73600	7000.0	95	33772	No
109	GOM_NL__2PRFIN20080815_111728_000000442071_00152_33773_6241.N1	15-AUG-2008 11:17:28	Dark	43.500	9	Alp Eri	0.45300	24000.	87	33773	No
110	GOM_NL__2PRFIN20080815_112315_000000422071_00152_33773_6242.N1	15-AUG-2008 11:23:15	Straylight	42.000	148	Alp Tuc	2.8780	4100.0	84	33773	No
111	GOM_NL__2PRFIN20080815_112649_000000402071_00152_33773_6243.N1	15-AUG-2008 11:26:49	Straylight	39.500	31	Alp Gru	1.7340	15200.	79	33773	No
112	GOM_NL__2PRFIN20080815_112947_000000412071_00152_33773_6244.N1	15-AUG-2008 11:29:47	Straylight	41.000	172	Gam Gru	3.0030	13100.	82	33773	No
113	GOM_NL__2PRFIN20080815_114420_000000382071_00152_33773_6245.N1	15-AUG-2008 11:44:20	Bright	37.500	11	53Alp Aql	0.76500	8000.0	75	33773	No
114	GOM_NL__2PRFIN20080815_115140_000000392071_00152_33773_6246.N1	15-AUG-2008 11:51:40	Bright	39.000	92	53Eps Cyg	2.5000	4500.0	78	33773	No
115	GOM_NL__2PRFIN20080815_115314_000000382071_00152_33773_6247.N1	15-AUG-2008 11:53:14	Bright	37.500	66	37Gam Cyg	2.2080	5900.0	75	33773	No
116	GOM_NL__2PRFIN20080815_115431_000000352071_00152_33773_6248.N1	15-AUG-2008 11:54:31	Bright	34.500	144	18Del Cyg	2.8600	11000.	69	33773	No
117	GOM_NL__2PRFIN20080815_120013_000000382071_00152_33773_6249.N1	15-AUG-2008 12:00:13	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	33773	No
118	GOM_NL__2PRFIN20080815_122701_000000412071_00152_33773_6250.N1	15-AUG-2008 12:27:01	Twilight_and_stray	41.000	151	13Mu Gem	2.8900	3000.0	82	33773	No
119	GOM_NL__2PRFIN20080815_122836_000000392071_00152_33773_6251.N1	15-AUG-2008 12:28:36	Twilight_and_stray	39.000	44	24Gam Gem	1.9280	11000.	78	33773	No
120	GOM_NL__2PRFIN20080815_123744_000000462071_00152_33773_6252.N1	15-AUG-2008 12:37:44	Dark	45.500	1	9Alp CMa	-1.4400	11000.	91	33773	No
121	GOM_NL__2PRFIN20080815_123921_000000372071_00152_33773_6253.N1	15-AUG-2008 12:39:21	Dark	36.500	179	24Omi2CMa	3.0320	24000.	73	33773	No
122	GOM_NL__2PRFIN20080815_124049_000000392071_00152_33773_6254.N1	15-AUG-2008 12:40:49	Dark	39.000	23	21Eps CMa	1.5020	26000.	78	33773	No
123	GOM_NL__2PRFIN20080815_124739_000000502071_00152_33773_6255.N1	15-AUG-2008 12:47:39	Dark	50.000	2	Alp Car	-0.73600	7000.0	100	33773	No
124	GOM_NL__2PRFIN20080815_125805_000000482071_00153_33774_6256.N1	15-AUG-2008 12:58:05	Dark	47.500	9	Alp Eri	0.45300	24000.	95	33774	No
125	GOM_NL__2PRFIN20080815_130351_000000412071_00153_33774_6257.N1	15-AUG-2008 13:03:51	Straylight	40.500	148	Alp Tuc	2.8780	4100.0	81	33774	No
126	GOM_NL__2PRFIN20080815_130725_000000442071_00153_33774_6258.N1	15-AUG-2008 13:07:25	Straylight	44.000	31	Alp Gru	1.7340	15200.	88	33774	No
127	GOM_NL__2PRFIN20080815_131023_000000422071_00153_33774_6259.N1	15-AUG-2008 13:10:23	Straylight	41.500	172	Gam Gru	3.0030	13100.	83	33774	No
128	GOM_NL__2PRFIN20080815_132456_000000362071_00153_33774_6260.N1	15-AUG-2008 13:24:56	Bright	36.000	11	53Alp Aql	0.76500	8000.0	72	33774	No
129	GOM_NL__2PRFIN20080815_133215_000000372071_00153_33774_6261.N1	15-AUG-2008 13:32:15	Bright	37.000	92	53Eps Cyg	2.5000	4500.0	74	33774	No
130	GOM_NL__2PRFIN20080815_133350_000000342071_00153_33774_6262.N1	15-AUG-2008 13:33:50	Bright	34.000	66	37Gam Cyg	2.2080	5900.0	68	33774	No
131	GOM_NL__2PRFIN20080815_133507_000000362071_00153_33774_6263.N1	15-AUG-2008 13:35:07	Bright	35.500	144	18Del Cyg	2.8600	11000.	71	33774	No
132	GOM_NL__2PRFIN20080815_134049_000000392071_00153_33774_6264.N1	15-AUG-2008 13:40:49	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	33774	No
133	GOM_NL__2PRFIN20080815_134750_000000372071_00153_33774_6265.N1	15-AUG-2008 13:47:50	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	33774	No
134	GOM_NL__2PRFIN20080815_140737_000000452071_00153_33774_6266.N1	15-AUG-2008 14:07:37	Twilight_and_stray	44.500	151	13Mu Gem	2.8900	3000.0	89	33774	No
135	GOM_NL__2PRFIN20080815_140912_000000402071_00153_33774_6267.N1	15-AUG-2008 14:09:12	Twilight_and_stray	40.000	44	24Gam Gem	1.9280	11000.	80	33774	No
136	GOM_NL__2PRFIN20080815_141820_000000412071_00153_33774_6268.N1	15-AUG-2008 14:18:20	Dark	41.000	1	9Alp CMa	-1.4400	11000.	82	33774	No
137	GOM_NL__2PRFIN20080815_141958_000000392071_00153_33774_6269.N1	15-AUG-2008 14:19:58	Dark	38.500	179	24Omi2CMa	3.0320	24000.	77	33774	No
138	GOM_NL__2PRFIN20080815_142125_000000412071_00153_33774_6270.N1	15-AUG-2008 14:21:25	Dark	40.500	23	21Eps CMa	1.5020	26000.	81	33774	No
139	GOM_NL__2PRFIN20080815_142815_000000452071_00153_33774_6271.N1	15-AUG-2008 14:28:15	Dark	44.500	2	Alp Car	-0.73600	7000.0	89	33774	No
140	GOM_NL__2PRFIN20080815_143841_000000442071_00154_33775_6268.N1	15-AUG-2008 14:38:41	Dark	43.500	9	Alp Eri	0.45300	24000.	87	33775	No
141	GOM_NL__2PRFIN20080815_144428_000000402071_00154_33775_6269.N1	15-AUG-2008 14:44:28	Straylight	39.500	148	Alp Tuc	2.8780	4100.0	79	33775	No
142	GOM_NL__2PRFIN20080815_144801_000000402071_00154_33775_6270.N1	15-AUG-2008 14:48:01	Straylight	40.000	31	Alp Gru	1.7340	15200.	80	33775	No
143	GOM_NL__2PRFIN20080815_145100_000000412071_00154_33775_6271.N1	15-AUG-2008 14:51:00	Straylight	41.000	172	Gam Gru	3.0030	13100.	82	33775	No
144	GOM_NL__2PRFIN20080815_150532_000000352071_00154_33775_6272.N1	15-AUG-2008 15:05:32	Bright	35.000	11	53Alp Aql	0.76500	8000.0	70	33775	No
145	GOM_NL__2PRFIN20080815_151251_000000402071_00154_33775_6273.N1	15-AUG-2008 15:12:51	Bright	39.500	92	53Eps Cyg	2.5000	4500.0	79	33775	No
146	GOM_NL__2PRFIN20080815_151426_000000382071_00154_33775_6274.N1	15-AUG-2008 15:14:26	Bright	38.000	66	37Gam Cyg	2.2080	5900.0	76	33775	No
147	GOM_NL__2PRFIN20080815_151543_000000352071_00154_33775_6275.N1	15-AUG-2008 15:15:43	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	33775	No
148	GOM_NL__2PRFIN20080815_152125_000000382071_00154_33775_6276.N1	15-AUG-2008 15:21:25	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	33775	No
149	GOM_NL__2PRFIN20080815_152826_000000352071_00154_33775_6277.N1	15-AUG-2008 15:28:26	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	33775	No
150	GOM_NL__2PRFIN20080815_154813_000000472071_00154_33775_6278.N1	15-AUG-2008 15:48:13	Twilight_and_stray	47.000	151	13Mu Gem	2.8900	3000.0	94	33775	No
151	GOM_NL__2PRFIN20080815_154948_000000402071_00154_33775_6279.N1	15-AUG-2008 15:49:48	Twilight_and_stray	39.500	44	24Gam Gem	1.9280	11000.	79	33775	No
152	GOM_NL__2PRFIN20080815_155856_000000422071_00154_33775_6280.N1	15-AUG-2008 15:58:56	Dark	42.000	1	9Alp CMa	-1.4400	11000.	84	33775	No
153	GOM_NL__2PRFIN20080815_160201_000000422071_00154_33775_6281.N1	15-AUG-2008 16:02:01	Dark	42.000	23	21Eps CMa	1.5020	26000.	84	33775	No
154	GOM_NL__2PRFIN20080815_160851_000000442071_00154_33775_6282.N1	15-AUG-2008 16:08:51	Dark	43.500	2	Alp Car	-0.73600	7000.0	87	33775	No
155	GOM_NL__2PRFIN20080815_161918_000000442071_00155_33776_6281.N1	15-AUG-2008 16:19:18	Dark	44.000	9	Alp Eri	0.45300	24000.	88	33776	No
156	GOM_NL__2PRFIN20080815_162504_000000382071_00155_33776_6282.N1	15-AUG-2008 16:25:04	Straylight	38.000	148	Alp Tuc	2.8780	4100.0	76	33776	No
157	GOM_NL__2PRFIN20080815_162838_000000402071_00155_33776_6283.N1	15-AUG-2008 16:28:38	Straylight	39.500	31	Alp Gru	1.7340	15200.	79	33776	No
158	GOM_NL__2PRFIN20080815_163136_000000412071_00155_33776_6284.N1	15-AUG-2008 16:31:36	Straylight	41.000	172	Gam Gru	3.0030	13100.	82	33776	No
159	GOM_NL__2PRFIN20080815_164608_000000362071_00155_33776_6285.N1	15-AUG-2008 16:46:08	Bright	35.500	11	53Alp Aql	0.76500	8000.0	71	33776	No
160	GOM_NL__2PRFIN20080815_165327_000000402071_00155_33776_6286.N1	15-AUG-2008 16:53:27	Bright	40.000	92	53Eps Cyg	2.5000	4500.0	80	33776	No

161	GOM_NL__2PRFIN20080815_165502_000000382071_00155_33776_6287.N1	15-AUG-2008 16:55:02	Bright	37.500	66	37Gam Cyg	2.2080	5900.0	75	33776	No
162	GOM_NL__2PRFIN20080815_165619_000000352071_00155_33776_6288.N1	15-AUG-2008 16:56:19	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	33776	No
163	GOM_NL__2PRFIN20080815_170200_000000392071_00155_33776_6289.N1	15-AUG-2008 17:02:00	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	33776	No
164	GOM_NL__2PRFIN20080815_170902_000000372071_00155_33776_6290.N1	15-AUG-2008 17:09:02	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	33776	No
165	GOM_NL__2PRFIN20080815_172849_000000462071_00155_33776_6291.N1	15-AUG-2008 17:28:49	TwI_and_stray	46.000	151	13Mu Gem	2.8900	3000.0	92	33776	No
166	GOM_NL__2PRFIN20080815_173025_000000392071_00155_33776_6292.N1	15-AUG-2008 17:30:25	TwI_and_stray	39.000	44	24Gam Gem	1.9280	11000.	78	33776	No
167	GOM_NL__2PRFIN20080815_173932_000000462071_00155_33776_6293.N1	15-AUG-2008 17:39:32	Dark	45.500	1	9Alp CMa	-1.4400	11000.	91	33776	No
168	GOM_NL__2PRFIN20080815_174927_000000502071_00155_33776_6294.N1	15-AUG-2008 17:49:27	Dark	50.000	2	Alp Car	-0.73600	7000.0	100	33776	No
169	GOM_NL__2PRFIN20080815_175955_000000422071_00156_33777_6292.N1	15-AUG-2008 17:59:55	Dark	42.000	9	Alp Eri	0.45300	24000.	84	33777	No
170	GOM_NL__2PRFIN20080815_180540_000000462071_00156_33777_6293.N1	15-AUG-2008 18:05:40	Straylight	46.000	148	Alp Tuc	2.8780	4100.0	92	33777	No
171	GOM_NL__2PRFIN20080815_180914_000000402071_00156_33777_6294.N1	15-AUG-2008 18:09:14	Straylight	39.500	31	Alp Gru	1.7340	15200.	79	33777	No
172	GOM_NL__2PRFIN20080815_181212_000000422071_00156_33777_6295.N1	15-AUG-2008 18:12:12	Straylight	41.500	172	Gam Gru	3.0030	13100.	83	33777	No
173	GOM_NL__2PRFIN20080815_182644_000000352071_00156_33777_6296.N1	15-AUG-2008 18:26:44	Bright	35.000	11	53Alp Aql	0.76500	8000.0	70	33777	No
174	GOM_NL__2PRFIN20080815_183403_000000392071_00156_33777_6297.N1	15-AUG-2008 18:34:03	Bright	39.000	92	53Eps Cyg	2.5000	4500.0	78	33777	No
175	GOM_NL__2PRFIN20080815_183538_000000402071_00156_33777_6298.N1	15-AUG-2008 18:35:38	Bright	39.500	66	37Gam Cyg	2.2080	5900.0	79	33777	No
176	GOM_NL__2PRFIN20080815_183655_000000352071_00156_33777_6299.N1	15-AUG-2008 18:36:55	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	33777	No
177	GOM_NL__2PRFIN20080815_184236_000000362071_00156_33777_6300.N1	15-AUG-2008 18:42:36	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	33777	No
178	GOM_NL__2PRFIN20080815_184938_000000372071_00156_33777_6301.N1	15-AUG-2008 18:49:38	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	33777	No
179	GOM_NL__2PRFIN20080815_190925_000000452071_00156_33777_6302.N1	15-AUG-2008 19:09:25	TwI_and_stray	44.500	151	13Mu Gem	2.8900	3000.0	89	33777	No
180	GOM_NL__2PRFIN20080815_191101_000000382071_00156_33777_6303.N1	15-AUG-2008 19:11:01	TwI_and_stray	38.000	44	24Gam Gem	1.9280	11000.	76	33777	No
181	GOM_NL__2PRFIN20080815_192009_000000452071_00156_33777_6304.N1	15-AUG-2008 19:20:09	Dark	44.500	1	9Alp CMa	-1.4400	11000.	89	33777	No
182	GOM_NL__2PRFIN20080815_192146_000000382071_00156_33777_6305.N1	15-AUG-2008 19:21:46	Dark	38.000	179	24Omi2CMa	3.0320	24000.	76	33777	No
183	GOM_NL__2PRFIN20080815_192313_000000412071_00156_33777_6306.N1	15-AUG-2008 19:23:13	Dark	41.000	23	21Eps CMa	1.5020	26000.	82	33777	No
184	GOM_NL__2PRFIN20080815_193003_000000422071_00156_33777_6307.N1	15-AUG-2008 19:30:03	Dark	41.500	2	Alp Car	-0.73600	7000.0	83	33777	No
185	GOM_NL__2PRFIN20080815_194031_000000472071_00157_33778_6314.N1	15-AUG-2008 19:40:31	Dark	46.500	9	Alp Eri	0.45300	24000.	93	33778	No
186	GOM_NL__2PRFIN20080815_194616_000000392071_00157_33778_6315.N1	15-AUG-2008 19:46:16	Straylight	39.000	148	Alp Tuc	2.8780	4100.0	78	33778	No
187	GOM_NL__2PRFIN20080815_194950_000000442071_00157_33778_6316.N1	15-AUG-2008 19:49:50	Straylight	44.000	31	Alp Gru	1.7340	15200.	88	33778	No
188	GOM_NL__2PRFIN20080815_195249_000000422071_00157_33778_6317.N1	15-AUG-2008 19:52:49	Straylight	41.500	172	Gam Gru	3.0030	13100.	83	33778	No
189	GOM_NL__2PRFIN20080815_200720_000000362071_00157_33778_6318.N1	15-AUG-2008 20:07:20	Bright	35.500	11	53Alp Aql	0.76500	8000.0	71	33778	No
190	GOM_NL__2PRFIN20080815_201438_000000382071_00157_33778_6319.N1	15-AUG-2008 20:14:38	Bright	37.500	92	53Eps Cyg	2.5000	4500.0	75	33778	No
191	GOM_NL__2PRFIN20080815_201614_000000382071_00157_33778_6320.N1	15-AUG-2008 20:16:14	Bright	38.000	66	37Gam Cyg	2.2080	5900.0	76	33778	No
192	GOM_NL__2PRFIN20080815_201731_000000352071_00157_33778_6321.N1	15-AUG-2008 20:17:31	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	33778	No
193	GOM_NL__2PRFIN20080815_202312_000000372071_00157_33778_6322.N1	15-AUG-2008 20:23:12	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	33778	No
194	GOM_NL__2PRFIN20080815_203013_000000372071_00157_33778_6323.N1	15-AUG-2008 20:30:13	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	33778	No
195	GOM_NL__2PRFIN20080815_205002_000000462071_00157_33778_6324.N1	15-AUG-2008 20:50:02	TwI_and_stray	45.500	151	13Mu Gem	2.8900	3000.0	91	33778	No
196	GOM_NL__2PRFIN20080815_205137_000000362071_00157_33778_6325.N1	15-AUG-2008 20:51:37	TwI_and_stray	36.000	44	24Gam Gem	1.9280	11000.	72	33778	No
197	GOM_NL__2PRFIN20080815_210045_000000472071_00157_33778_6326.N1	15-AUG-2008 21:00:45	Dark	47.000	1	9Alp CMa	-1.4400	11000.	94	33778	No
198	GOM_NL__2PRFIN20080815_210222_000000382071_00157_33778_6327.N1	15-AUG-2008 21:02:22	Dark	37.500	179	24Omi2CMa	3.0320	24000.	75	33778	No
199	GOM_NL__2PRFIN20080815_210350_000000372071_00157_33778_6328.N1	15-AUG-2008 21:03:50	Dark	37.000	23	21Eps CMa	1.5020	26000.	74	33778	No
200	GOM_NL__2PRFIN20080815_211040_000000502071_00157_33778_6329.N1	15-AUG-2008 21:10:40	Dark	50.000	2	Alp Car	-0.73600	7000.0	100	33778	No
201	GOM_NL__2PRFIN20080815_225739_000000502071_00159_33780_6340.N1	15-AUG-2008 22:57:39	Dark	50.000	157	The1Eri	2.9060	9300.0	100	33780	No
202	GOM_NL__2PRFIN20080815_230144_000000442071_00159_33780_6341.N1	15-AUG-2008 23:01:44	Dark	43.500	9	Alp Eri	0.45300	24000.	87	33780	No
203	GOM_NL__2PRFIN20080815_230729_000000632071_00159_33780_6342.N1	15-AUG-2008 23:07:29	Straylight	63.000	84	Alp Phe	2.3970	4500.0	126	33780	No
204	GOM_NL__2PRFIN20080815_231103_000000412071_00159_33780_6343.N1	15-AUG-2008 23:11:03	Straylight	41.000	31	Alp Gru	1.7340	15200.	82	33780	No
205	GOM_NL__2PRFIN20080815_231500_000000562071_00159_33780_6344.N1	15-AUG-2008 23:15:00	TwI_and_stray	55.500	18	24Alp PsA	1.1660	9700.0	111	33780	No
206	GOM_NL__2PRFIN20080815_232039_000000442071_00159_33780_6345.N1	15-AUG-2008 23:20:39	Bright	43.500	142	49Del Cap	2.8500	8900.0	87	33780	No
207	GOM_NL__2PRFIN20080815_232920_000000472071_00159_33780_6346.N1	15-AUG-2008 23:29:20	Bright	47.000	61	8Eps Peg	2.1000	3900.0	94	33780	No
208	GOM_NL__2PRFIN20080815_233550_000000362071_00159_33780_6347.N1	15-AUG-2008 23:35:50	Bright	35.500	92	53Eps Cyg	2.5000	4500.0	71	33780	No
209	GOM_NL__2PRFIN20080815_233725_000000352071_00159_33780_6348.N1	15-AUG-2008 23:37:25	Bright	34.500	66	37Gam Cyg	2.2080	5900.0	69	33780	No
210	GOM_NL__2PRFIN20080815_233902_000000382071_00159_33780_6349.N1	15-AUG-2008 23:39:02	Bright	37.500	19	50Alp Cyg	1.2460	10500.	75	33780	No
211	GOM_NL__2PRFIN20080815_234423_000000382071_00159_33780_6350.N1	15-AUG-2008 23:44:23	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	33780	No
212	GOM_NL__2PRFIN20080815_235125_000000372071_00159_33780_6351.N1	15-AUG-2008 23:51:25	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	33780	No

3. Quality information per product

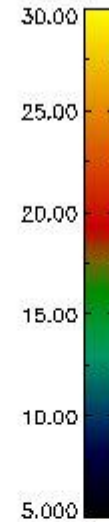
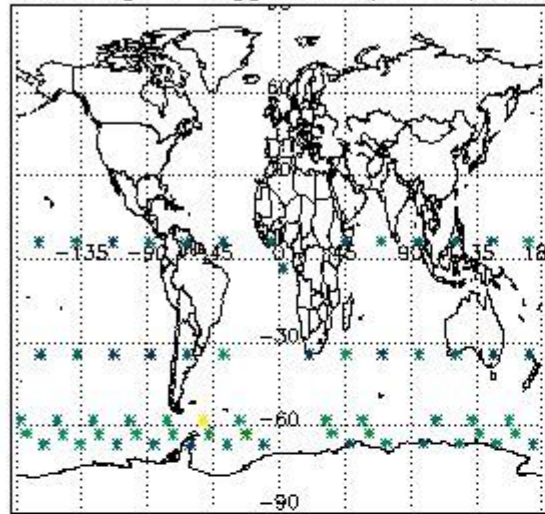
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

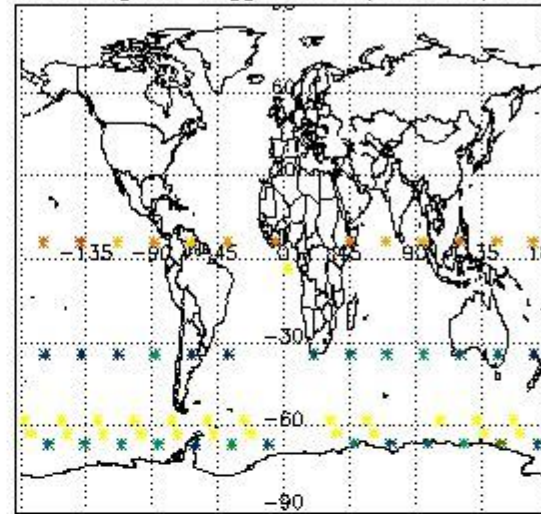


3.2 Plot quality information per product (world map)

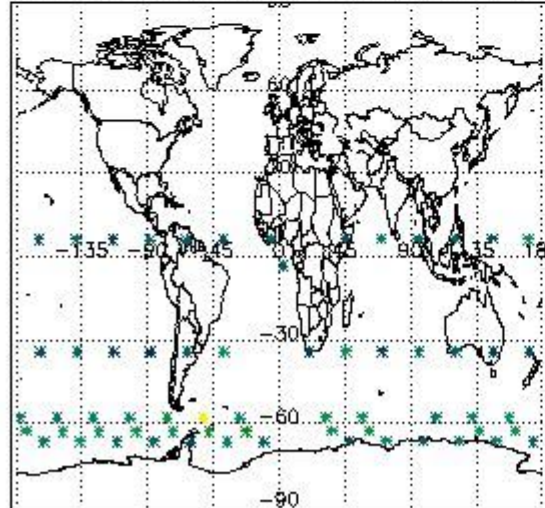
Percentage of flagged data per O3 profile



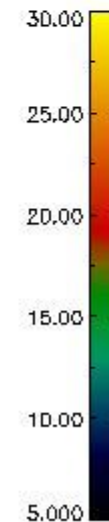
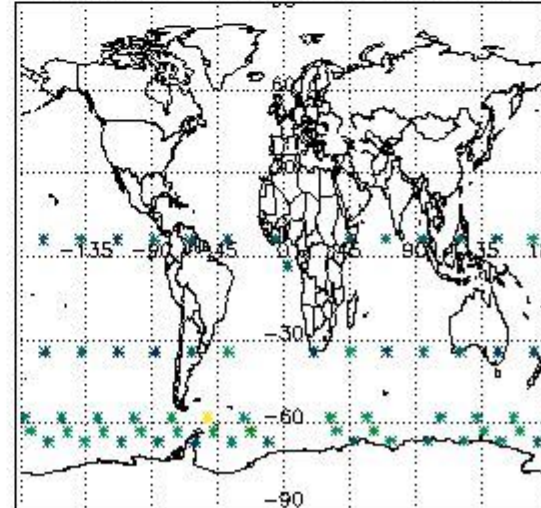
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

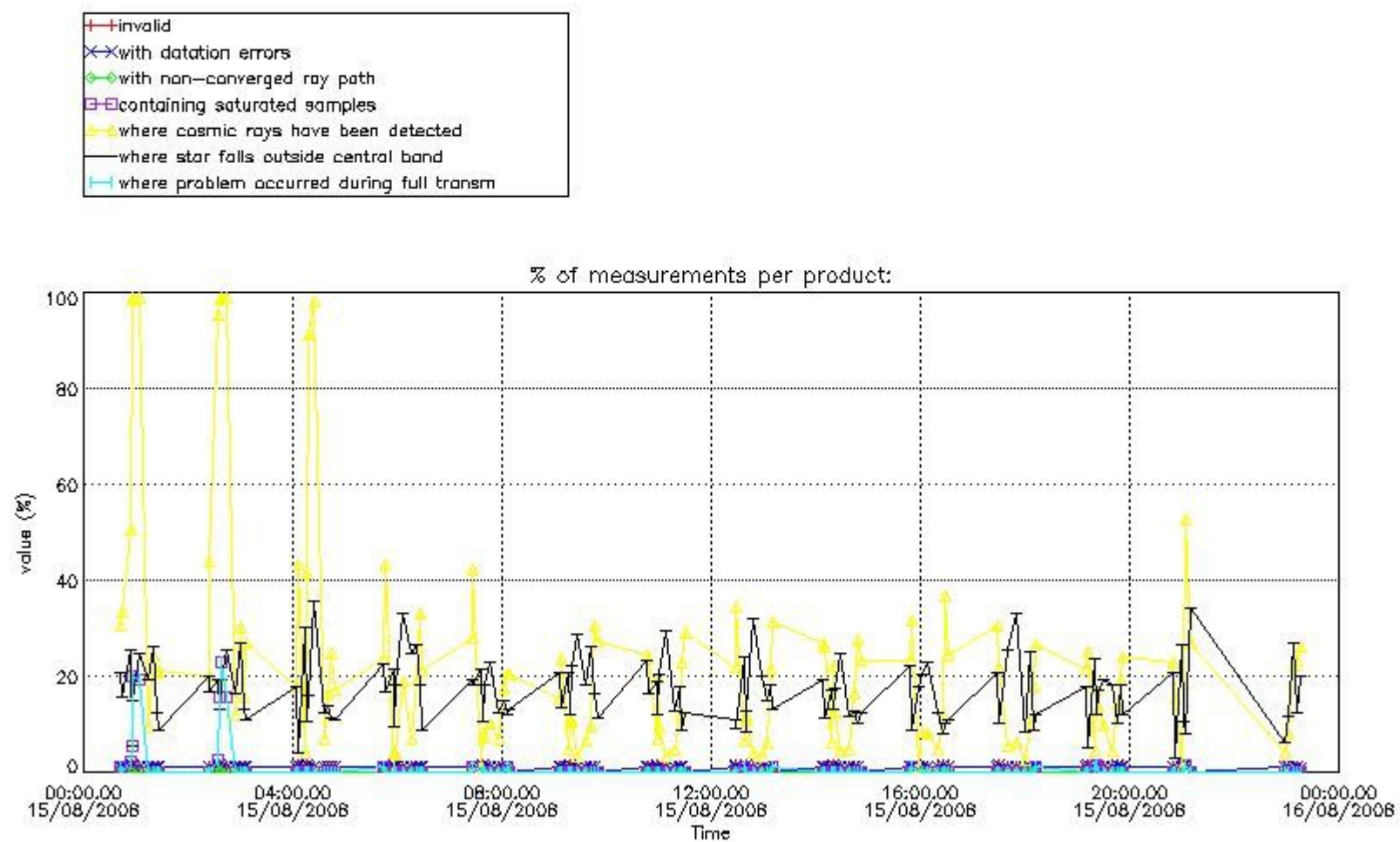


4. Level 1 quality information per product

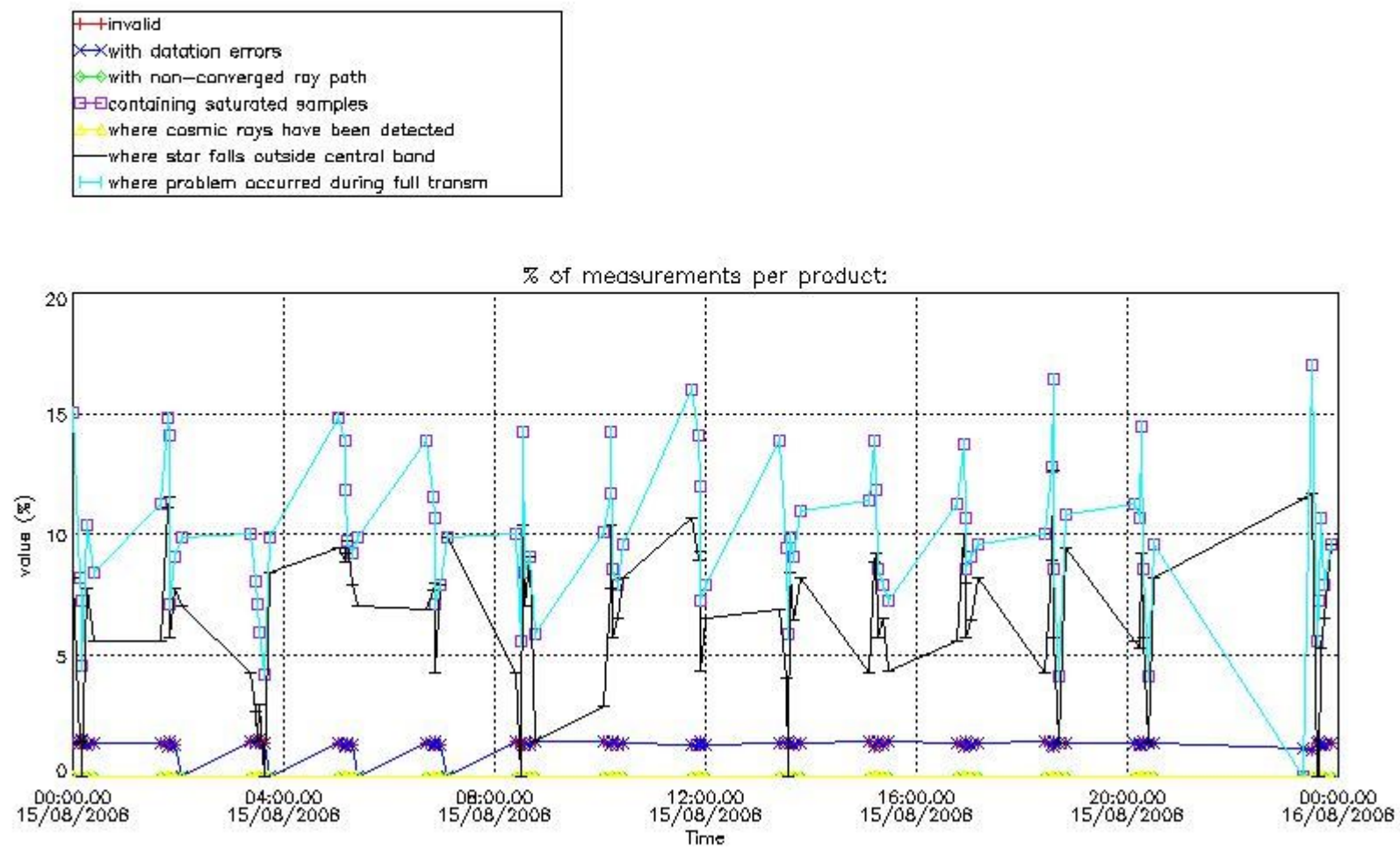
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



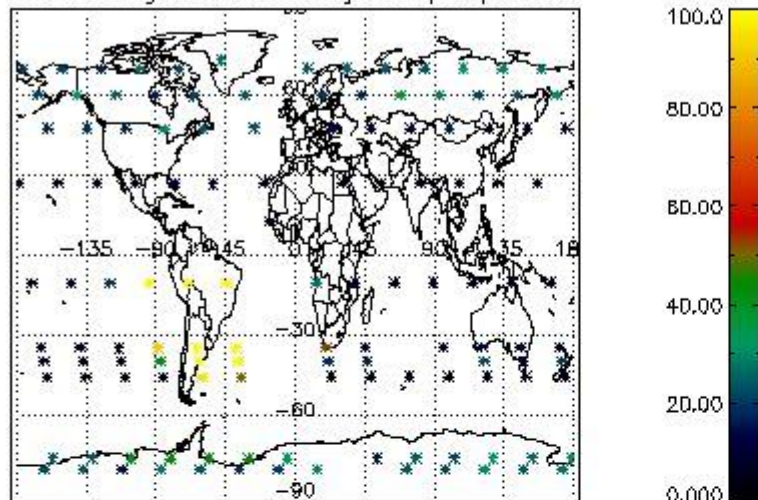
4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



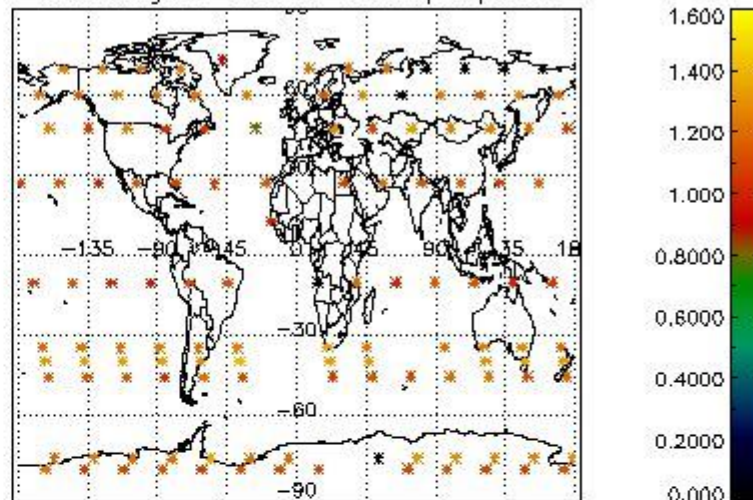
4.2 Plot quality information per product coming from level 1b processing (world map)

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

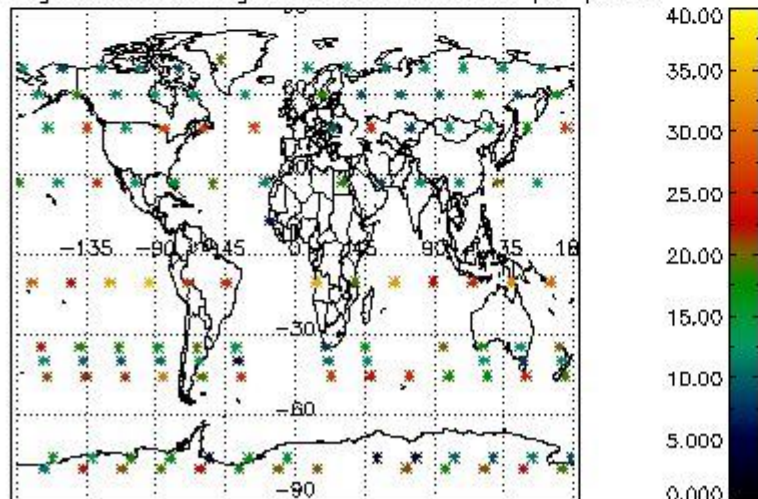
Percentage of cosmic ray hits per profile



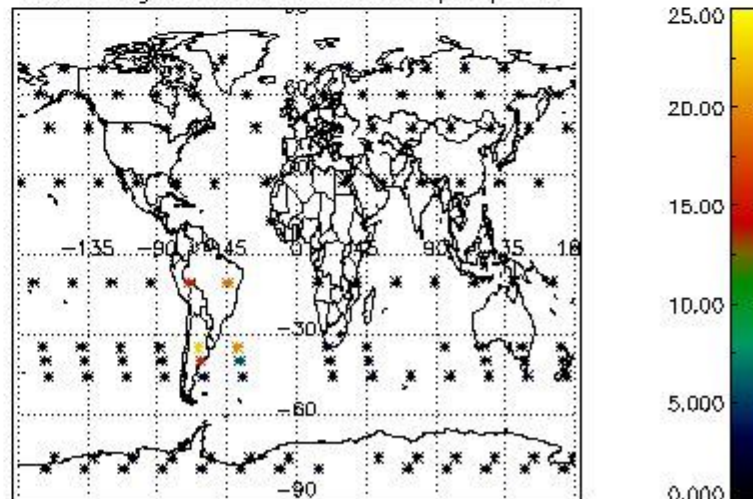
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

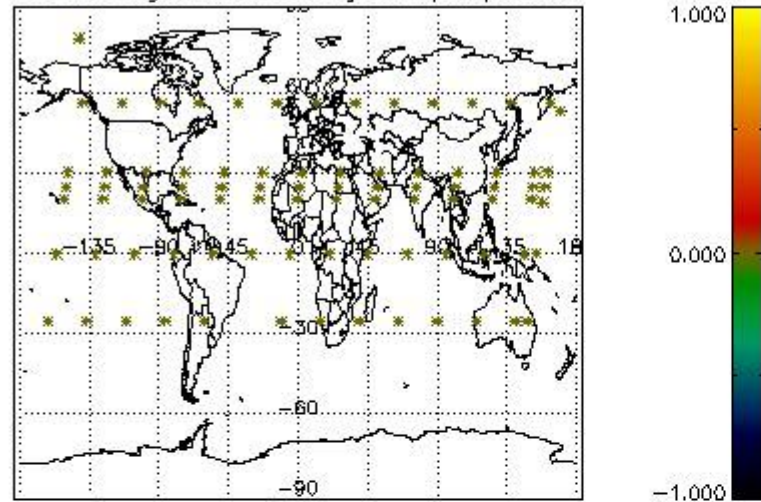


Percentage of saturation errors per profile

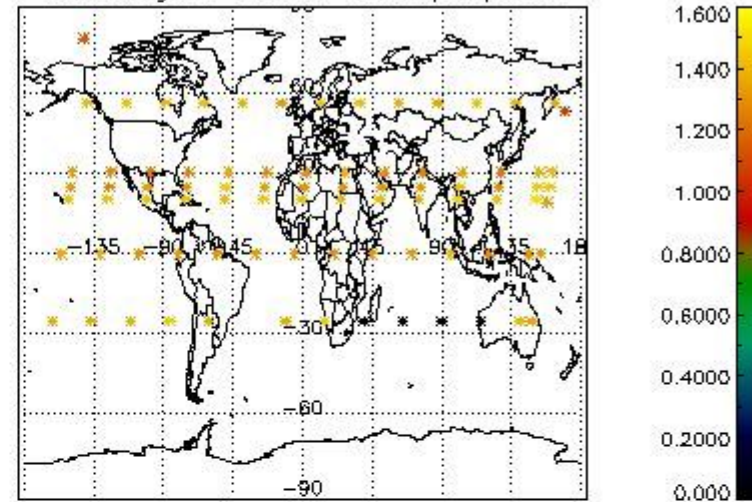


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

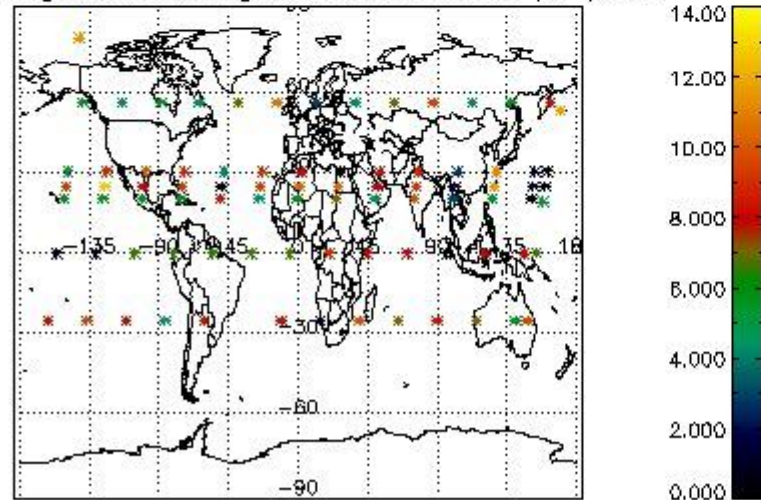
Percentage of cosmic ray hits per profile



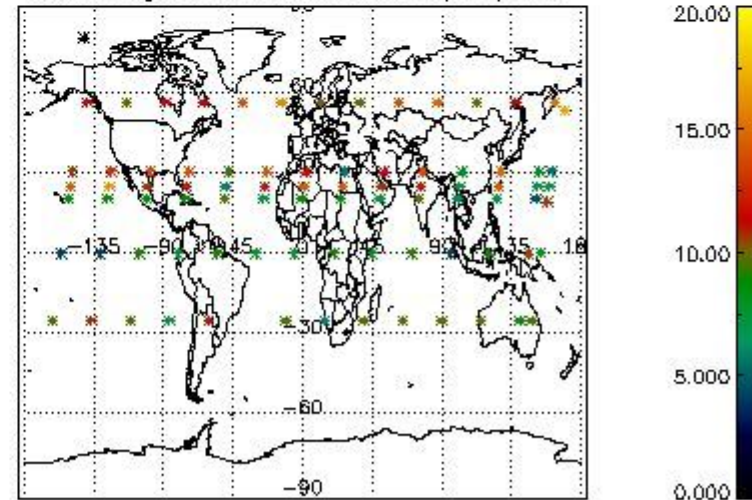
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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

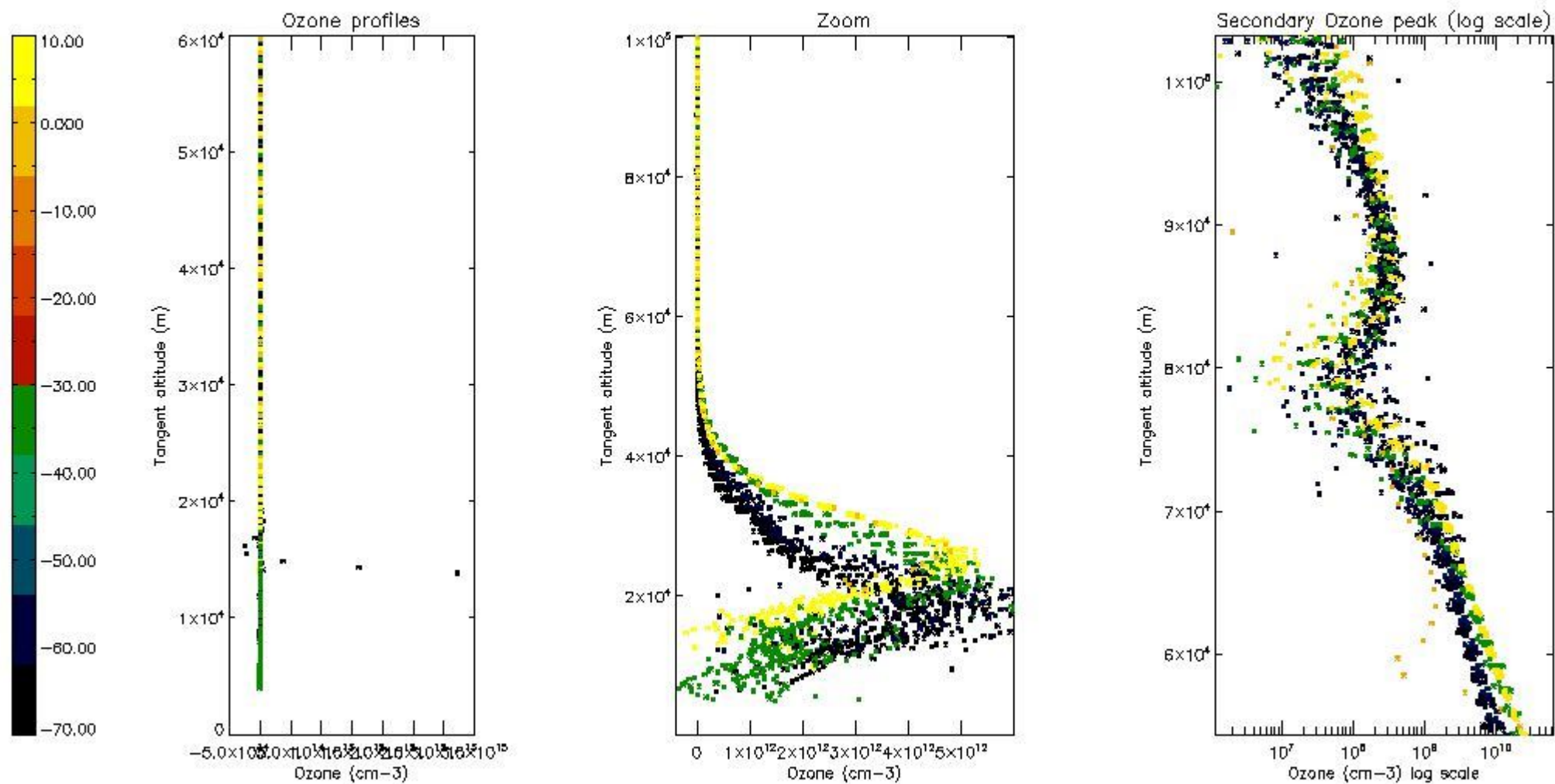
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	32
STD < 20	23

STD < 10	20
STD < 5	16

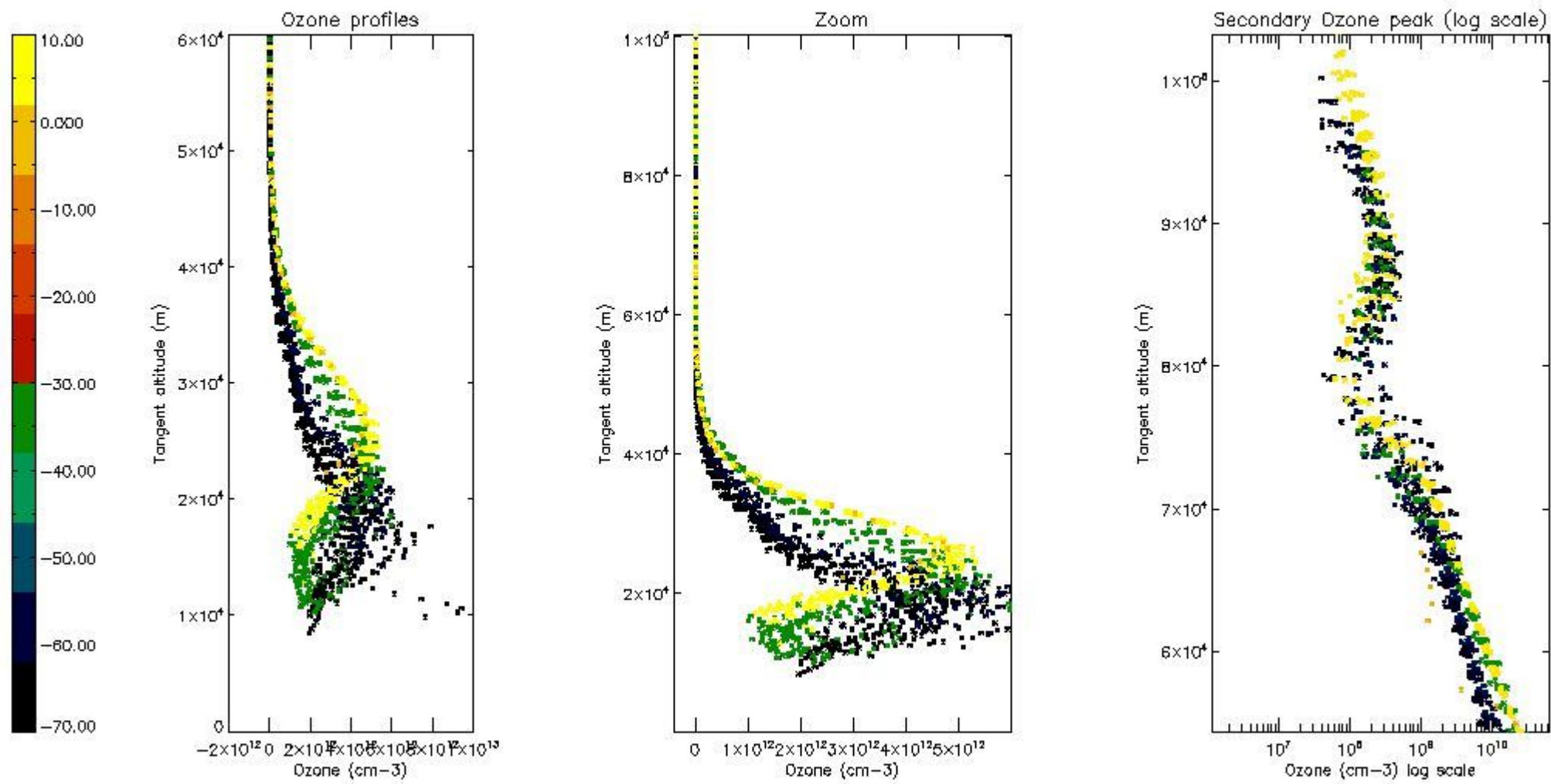
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



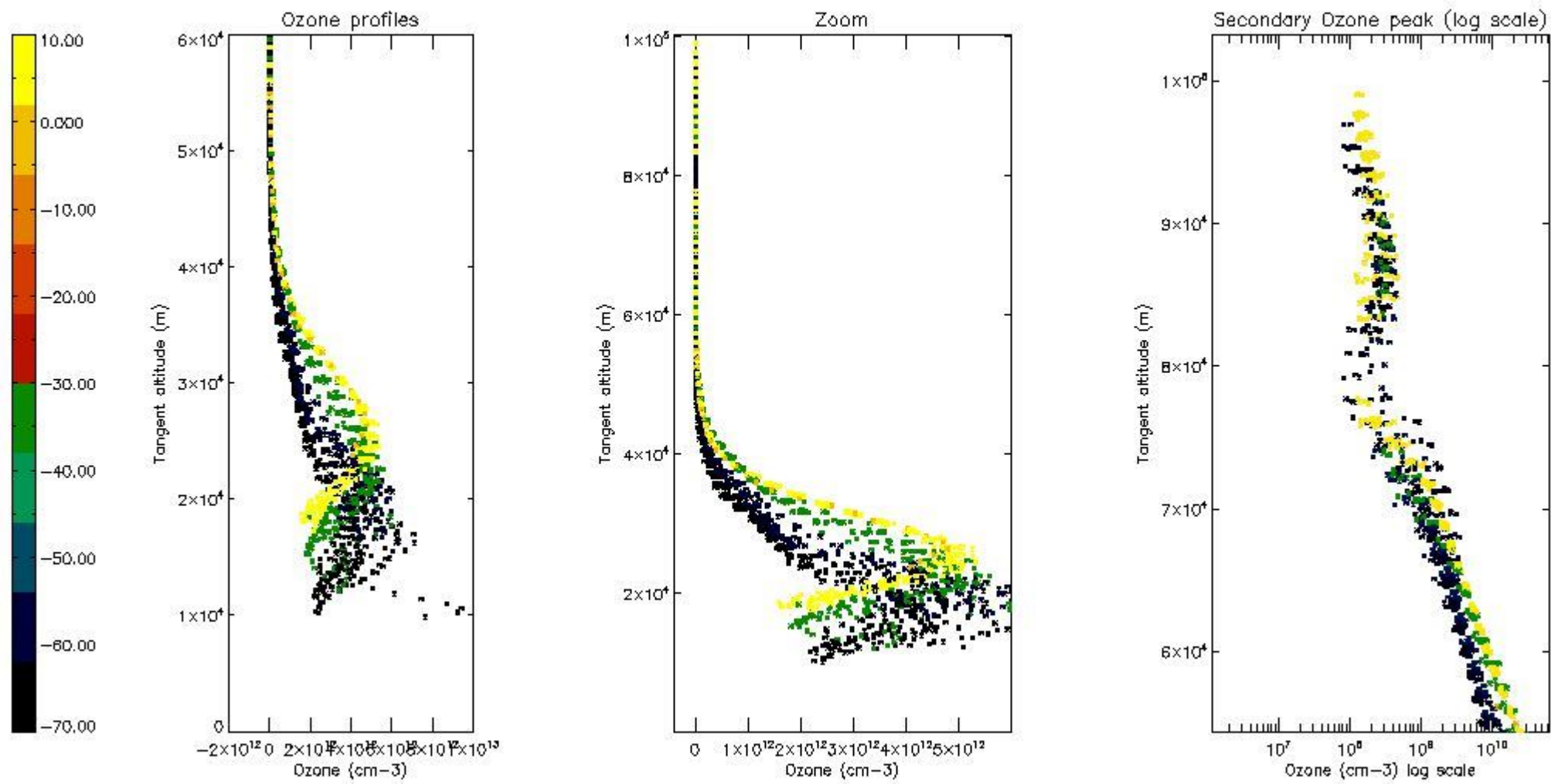
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



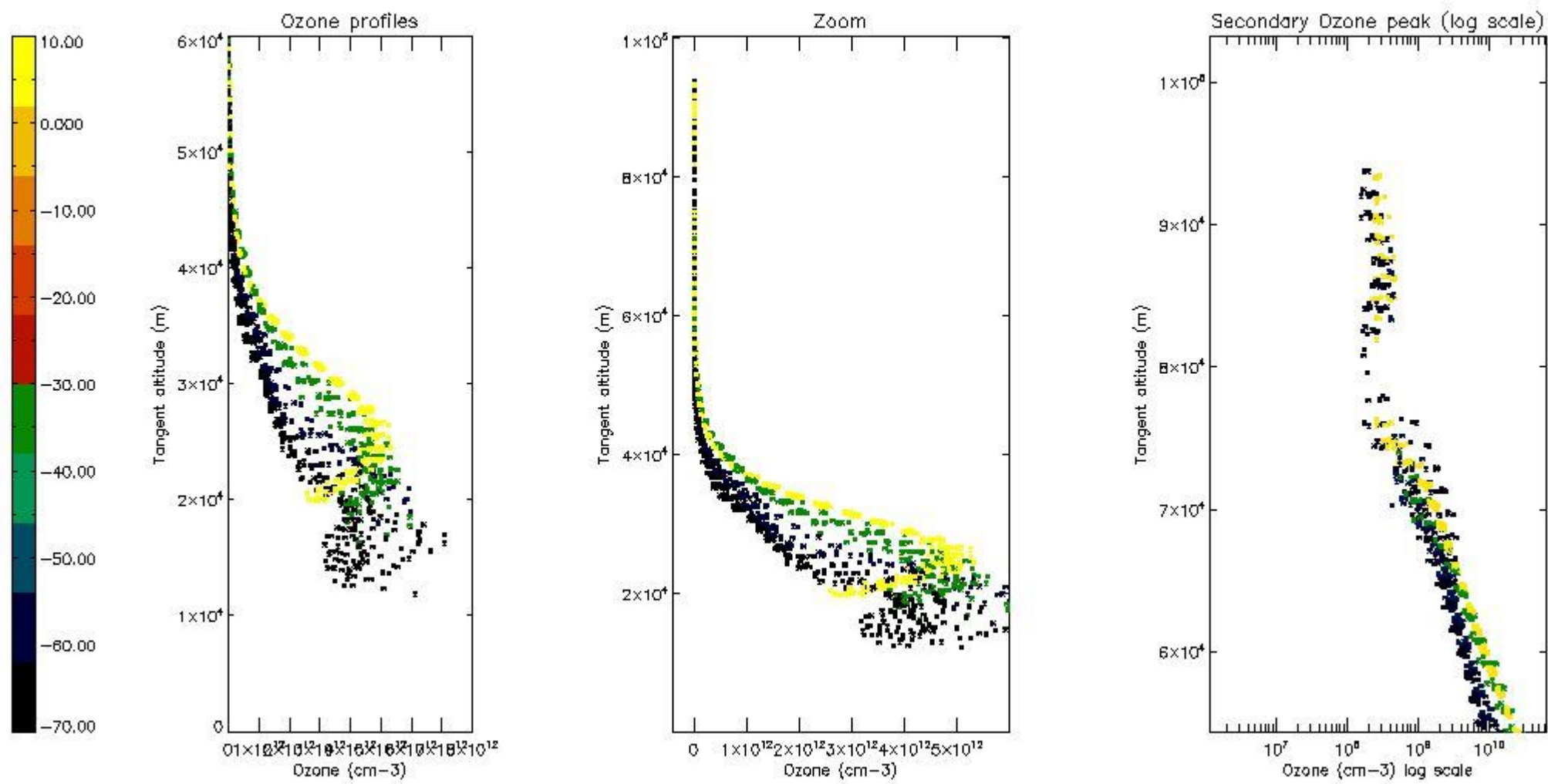
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



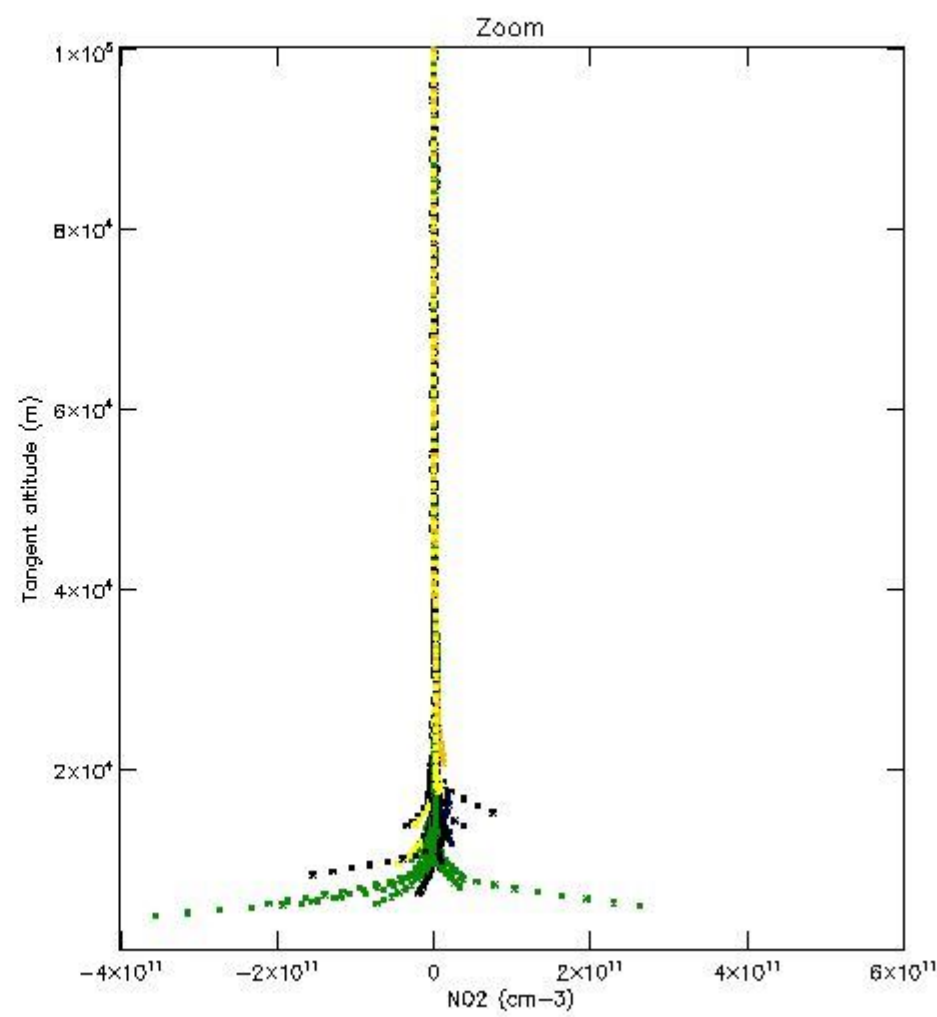
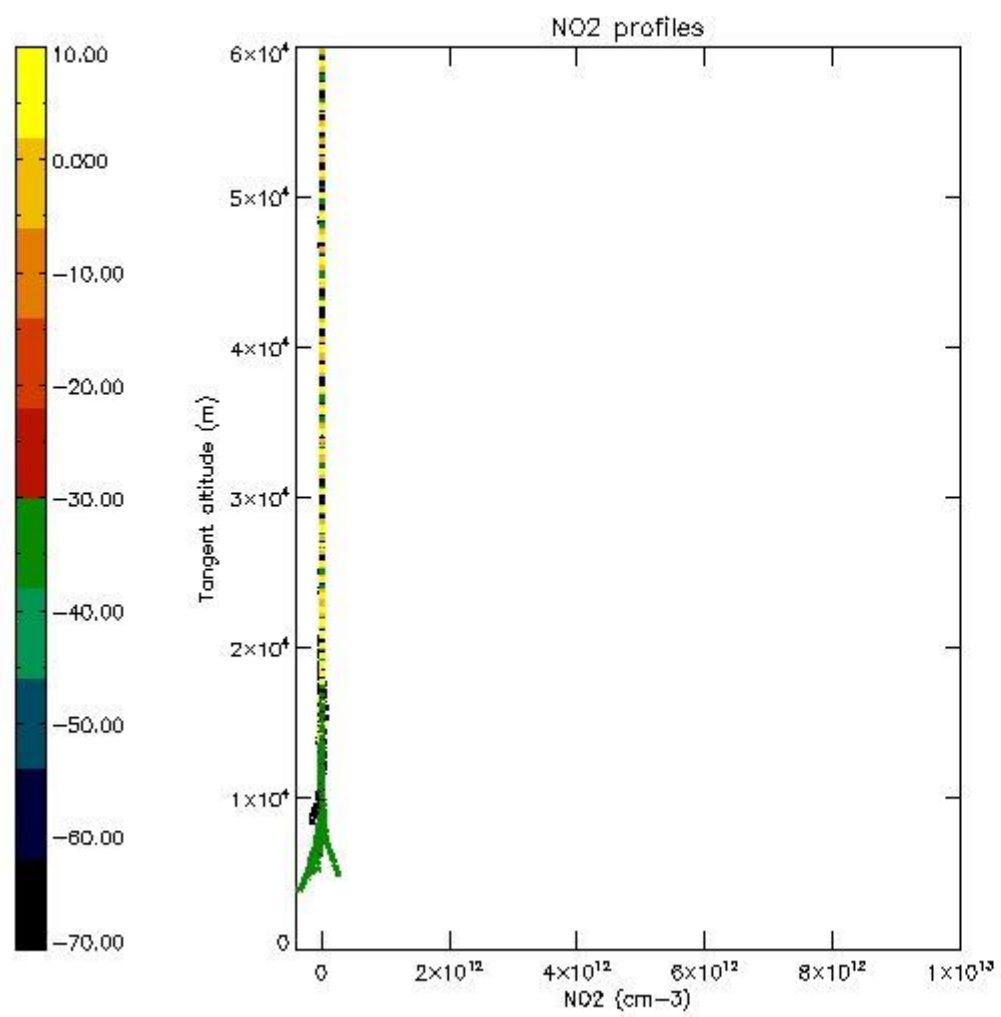
5.5 Plot ozone profiles where $STD < 5\%$ (dark without errors)

The colorbar represents the latitude.



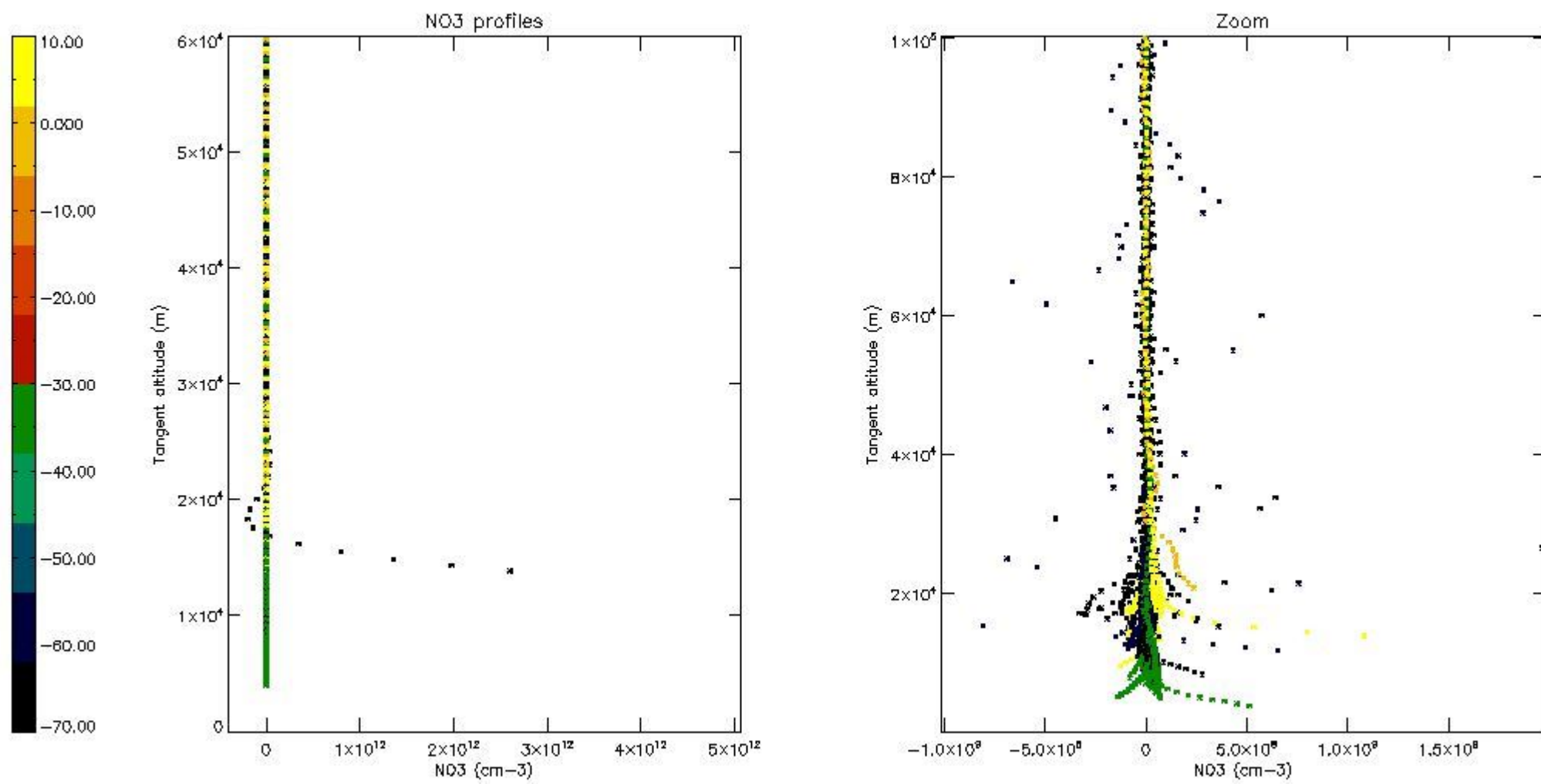
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



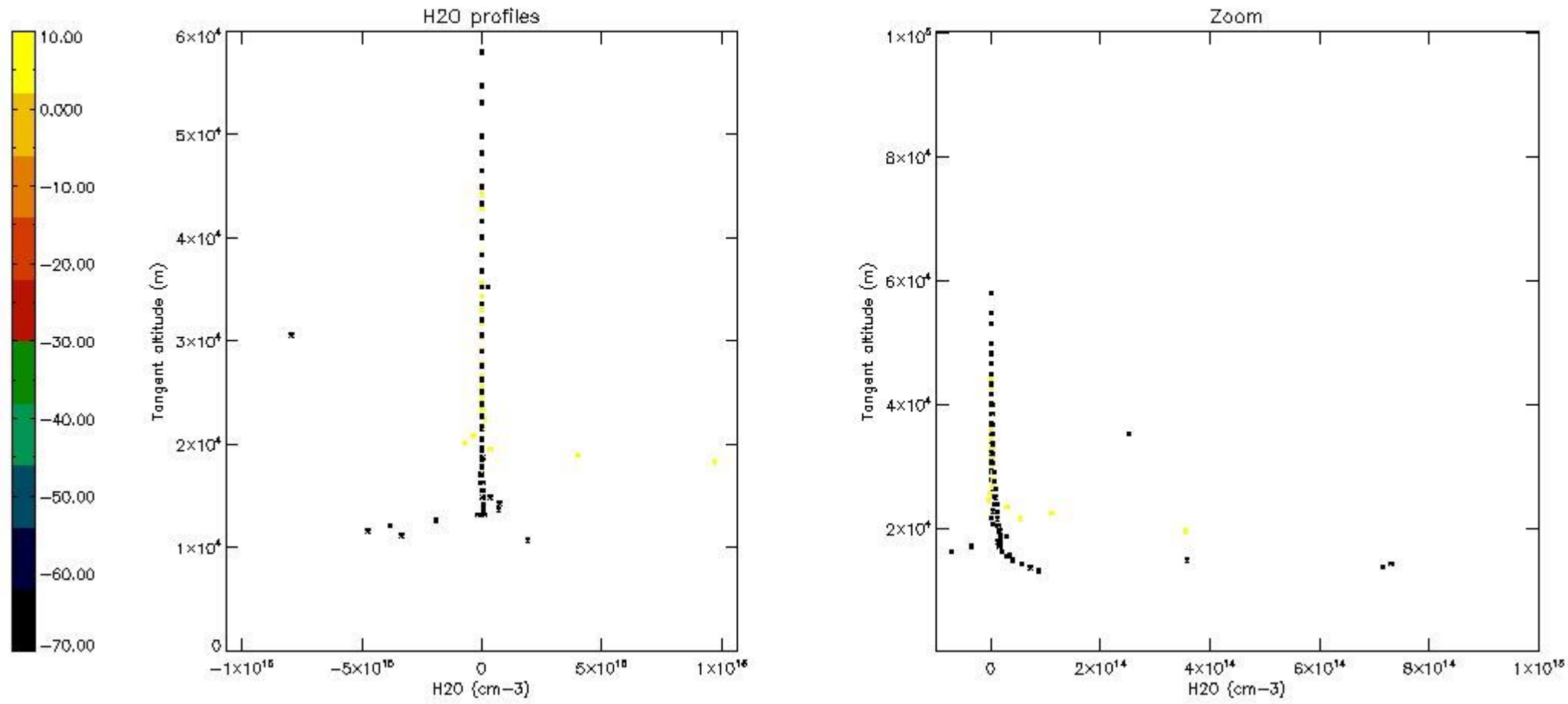
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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-2008 00:00:08
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	15-AUG-2008 00:00:08
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	15-AUG-2008 00:00:08

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

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

[3. Level 2 Quality information per product](#)

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

[3.2 Plot of level 2 quality information per product \(world map\)](#)

[4. Level 1 Quality information per product \(stored on level 2 products\)](#)

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

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

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

[4.2 Plot of level 1 quality information per product \(world map\)](#)

[4.2.1 Plot of level 1 quality information per product \(world map\): ASCENDING](#)

[4.2.2 Plot of level 1 quality information per product \(world map\): DESCENDING](#)

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

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

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

[5.3 Plot ozone profiles where STD < 20% \(dark without errors\)](#)

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

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

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

[5.7 Plot NO3 profiles for all STD \(dark without errors\)](#)

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

[6. Auxiliary Data Files used for the production reported in section 2](#)

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

Item	Value
Time of report generation	25APR2013 18:49:30
Data source version	GOMOS/6.01
Start time of products	15-08-2008 (15AUG2008 00:00:00)
Stop time of products	16-08-2008 (16AUG2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	212
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__2PRFIN20080815_000008_000000372071_00145_33766_6130.N1	15-AUG-2008 00:00:08	Bright	36.500	11	53Alp Aql	0.76500	8000.0	73	33766	No
2	GOM_NL__2PRFIN20080815_000730_000000372071_00145_33766_6131.N1	15-AUG-2008 00:07:30	Bright	36.500	92	53Eps Cyg	2.5000	4500.0	73	33766	No
3	GOM_NL__2PRFIN20080815_000904_000000352071_00145_33766_6132.N1	15-AUG-2008 00:09:04	Bright	34.500	66	37Gam Cyg	2.2080	5900.0	69	33766	No
4	GOM_NL__2PRFIN20080815_001019_000000332071_00145_33766_6133.N1	15-AUG-2008 00:10:19	Bright	33.000	144	18Del Cyg	2.8600	11000.	66	33766	No
5	GOM_NL__2PRFIN20080815_001604_000000392071_00145_33766_6134.N1	15-AUG-2008 00:16:04	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	33766	No
6	GOM_NL__2PRFIN20080815_002302_000000362071_00145_33766_6135.N1	15-AUG-2008 00:23:02	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	33766	No
7	GOM_NL__2PRFIN20080815_004248_000000462071_00145_33766_6136.N1	15-AUG-2008 00:42:48	Twilight	46.000	151	13Mu Gem	2.8900	3000.0	92	33766	No
8	GOM_NL__2PRFIN20080815_004423_000000422071_00145_33766_6137.N1	15-AUG-2008 00:44:23	Twilight	42.000	44	24Gam Gem	1.9280	11000.	84	33766	No
9	GOM_NL__2PRFIN20080815_005330_000000462071_00145_33766_6138.N1	15-AUG-2008 00:53:30	Dark	45.500	1	9Alp CMa	-1.4400	11000.	91	33766	No
10	GOM_NL__2PRFIN20080815_005508_000000362071_00145_33766_6139.N1	15-AUG-2008 00:55:08	Dark	35.500	179	24Omi2CMa	3.0320	24000.	71	33766	No
11	GOM_NL__2PRFIN20080815_005636_000000402071_00145_33766_6140.N1	15-AUG-2008 00:56:36	Dark	40.000	23	21Eps CMa	1.5020	26000.	80	33766	No
12	GOM_NL__2PRFIN20080815_010325_000000452071_00145_33766_6141.N1	15-AUG-2008 01:03:25	Dark	44.500	2	Alp Car	-0.73600	7000.0	89	33766	No
13	GOM_NL__2PRFIN20080815_011349_000000472071_00146_33767_6138.N1	15-AUG-2008 01:13:49	Dark	47.000	9	Alp Eri	0.45300	24000.	94	33767	No
14	GOM_NL__2PRFIN20080815_011937_000000482071_00146_33767_6139.N1	15-AUG-2008 01:19:37	Straylight	47.500	148	Alp Tuc	2.8780	4100.0	95	33767	No
15	GOM_NL__2PRFIN20080815_012311_000000412071_00146_33767_6140.N1	15-AUG-2008 01:23:11	Straylight	41.000	31	Alp Gru	1.7340	15200.	82	33767	No
16	GOM_NL__2PRFIN20080815_012610_000000402071_00146_33767_6141.N1	15-AUG-2008 01:26:10	Straylight	40.000	172	Gam Gru	3.0030	13100.	80	33767	No
17	GOM_NL__2PRFIN20080815_014044_000000362071_00146_33767_6142.N1	15-AUG-2008 01:40:44	Bright	35.500	11	53Alp Aql	0.76500	8000.0	71	33767	No
18	GOM_NL__2PRFIN20080815_014805_000000412071_00146_33767_6143.N1	15-AUG-2008 01:48:05	Bright	40.500	92	53Eps Cyg	2.5000	4500.0	81	33767	No
19	GOM_NL__2PRFIN20080815_014940_000000392071_00146_33767_6144.N1	15-AUG-2008 01:49:40	Bright	39.000	66	37Gam Cyg	2.2080	5900.0	78	33767	No
20	GOM_NL__2PRFIN20080815_015055_000000352071_00146_33767_6145.N1	15-AUG-2008 01:50:55	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	33767	No
21	GOM_NL__2PRFIN20080815_015640_000000392071_00146_33767_6146.N1	15-AUG-2008 01:56:40	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	33767	No
22	GOM_NL__2PRFIN20080815_020338_000000362071_00146_33767_6147.N1	15-AUG-2008 02:03:38	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	33767	No
23	GOM_NL__2PRFIN20080815_022324_000000452071_00146_33767_6148.N1	15-AUG-2008 02:23:24	Twilight	45.000	151	13Mu Gem	2.8900	3000.0	90	33767	No
24	GOM_NL__2PRFIN20080815_022459_000000422071_00146_33767_6149.N1	15-AUG-2008 02:24:59	Twilight	42.000	44	24Gam Gem	1.9280	11000.	84	33767	No
25	GOM_NL__2PRFIN20080815_023406_000000422071_00146_33767_6150.N1	15-AUG-2008 02:34:06	Dark	41.500	1	9Alp CMa	-1.4400	11000.	83	33767	No
26	GOM_NL__2PRFIN20080815_023544_000000392071_00146_33767_6151.N1	15-AUG-2008 02:35:44	Dark	38.500	179	24Omi2CMa	3.0320	24000.	77	33767	No
27	GOM_NL__2PRFIN20080815_023712_000000422071_00146_33767_6152.N1	15-AUG-2008 02:37:12	Dark	41.500	23	21Eps CMa	1.5020	26000.	83	33767	No
28	GOM_NL__2PRFIN20080815_024402_000000452071_00146_33767_6153.N1	15-AUG-2008 02:44:02	Dark	45.000	2	Alp Car	-0.73600	7000.0	90	33767	No
29	GOM_NL__2PRFIN20080815_025425_000000462071_00147_33768_6160.N1	15-AUG-2008 02:54:25	Dark	46.000	9	Alp Eri	0.45300	24000.	92	33768	No
30	GOM_NL__2PRFIN20080815_030014_000000482071_00147_33768_6161.N1	15-AUG-2008 03:00:14	Straylight	48.000	148	Alp Tuc	2.8780	4100.0	96	33768	No
31	GOM_NL__2PRFIN20080815_030347_000000422071_00147_33768_6162.N1	15-AUG-2008 03:03:47	Straylight	41.500	31	Alp Gru	1.7340	15200.	83	33768	No
32	GOM_NL__2PRFIN20080815_030646_000000412071_00147_33768_6163.N1	15-AUG-2008 03:06:46	Straylight	41.000	172	Gam Gru	3.0030	13100.	82	33768	No
33	GOM_NL__2PRFIN20080815_032120_000000352071_00147_33768_6164.N1	15-AUG-2008 03:21:20	Bright	35.000	11	53Alp Aql	0.76500	8000.0	70	33768	No
34	GOM_NL__2PRFIN20080815_032841_000000372071_00147_33768_6165.N1	15-AUG-2008 03:28:41	Bright	37.000	92	53Eps Cyg	2.5000	4500.0	74	33768	No
35	GOM_NL__2PRFIN20080815_033015_000000352071_00147_33768_6166.N1	15-AUG-2008 03:30:15	Bright	35.000	66	37Gam Cyg	2.2080	5900.0	70	33768	No
36	GOM_NL__2PRFIN20080815_033131_000000342071_00147_33768_6167.N1	15-AUG-2008 03:31:31	Bright	33.500	144	18Del Cyg	2.8600	11000.	67	33768	No
37	GOM_NL__2PRFIN20080815_033715_000000362071_00147_33768_6168.N1	15-AUG-2008 03:37:15	Bright	35.500	89	5Alp Cep	2.4510	8000.0	71	33768	No
38	GOM_NL__2PRFIN20080815_034414_000000362071_00147_33768_6169.N1	15-AUG-2008 03:44:14	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	33768	No
39	GOM_NL__2PRFIN20080815_040400_000000452071_00147_33768_6170.N1	15-AUG-2008 04:04:00	Twilight	44.500	151	13Mu Gem	2.8900	3000.0	89	33768	No
40	GOM_NL__2PRFIN20080815_040535_000000372071_00147_33768_6171.N1	15-AUG-2008 04:05:35	Twilight	37.000	44	24Gam Gem	1.9280	11000.	74	33768	No
41	GOM_NL__2PRFIN20080815_041442_000000502071_00147_33768_6172.N1	15-AUG-2008 04:14:42	Dark	49.500	1	9Alp CMa	-1.4400	11000.	99	33768	No
42	GOM_NL__2PRFIN20080815_041621_000000382071_00147_33768_6173.N1	15-AUG-2008 04:16:21	Dark	37.500	179	24Omi2CMa	3.0320	24000.	75	33768	No

43	GOM_NL__2PRFIN20080815_041748_000000412071_00147_33768_6174.N1	15-AUG-2008 04:17:48	Dark	40.500	23	21Eps CMa	1.5020	26000.	81	33768	No
44	GOM_NL__2PRFIN20080815_042438_000000522071_00147_33768_6175.N1	15-AUG-2008 04:24:38	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	33768	No
45	GOM_NL__2PRFIN20080815_043502_000000442071_00148_33769_6174.N1	15-AUG-2008 04:35:02	Dark	44.000	9	Alp Eri	0.45300	24000.	88	33769	No
46	GOM_NL__2PRFIN20080815_044050_000000402071_00148_33769_6175.N1	15-AUG-2008 04:40:50	Straylight	40.000	148	Alp Tuc	2.8780	4100.0	80	33769	No
47	GOM_NL__2PRFIN20080815_044423_000000412071_00148_33769_6176.N1	15-AUG-2008 04:44:23	Straylight	40.500	31	Alp Gru	1.7340	15200.	81	33769	No
48	GOM_NL__2PRFIN20080815_044722_000000412071_00148_33769_6177.N1	15-AUG-2008 04:47:22	Straylight	41.000	172	Gam Gru	3.0030	13100.	82	33769	No
49	GOM_NL__2PRFIN20080815_050156_000000372071_00148_33769_6178.N1	15-AUG-2008 05:01:56	Bright	37.000	11	53Alp Aql	0.76500	8000.0	74	33769	No
50	GOM_NL__2PRFIN20080815_050917_000000402071_00148_33769_6179.N1	15-AUG-2008 05:09:17	Bright	39.500	92	53Eps Cyg	2.5000	4500.0	79	33769	No
51	GOM_NL__2PRFIN20080815_051051_000000382071_00148_33769_6180.N1	15-AUG-2008 05:10:51	Bright	38.000	66	37Gam Cyg	2.2080	5900.0	76	33769	No
52	GOM_NL__2PRFIN20080815_051207_000000362071_00148_33769_6181.N1	15-AUG-2008 05:12:07	Bright	36.000	144	18Del Cyg	2.8600	11000.	72	33769	No
53	GOM_NL__2PRFIN20080815_051751_000000382071_00148_33769_6182.N1	15-AUG-2008 05:17:51	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	33769	No
54	GOM_NL__2PRFIN20080815_052450_000000362071_00148_33769_6183.N1	15-AUG-2008 05:24:50	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	33769	No
55	GOM_NL__2PRFIN20080815_054436_000000472071_00148_33769_6184.N1	15-AUG-2008 05:44:36	Twi_and_stray	46.500	151	13Mu Gem	2.8900	3000.0	93	33769	No
56	GOM_NL__2PRFIN20080815_054611_000000422071_00148_33769_6185.N1	15-AUG-2008 05:46:11	Twi_and_stray	41.500	44	24Gam Gem	1.9280	11000.	83	33769	No
57	GOM_NL__2PRFIN20080815_055519_000000442071_00148_33769_6186.N1	15-AUG-2008 05:55:19	Dark	44.000	1	9Alp CMa	-1.4400	11000.	88	33769	No
58	GOM_NL__2PRFIN20080815_055657_000000382071_00148_33769_6187.N1	15-AUG-2008 05:56:57	Dark	37.500	179	24Omi2CMa	3.0320	24000.	75	33769	No
59	GOM_NL__2PRFIN20080815_055824_000000422071_00148_33769_6188.N1	15-AUG-2008 05:58:24	Dark	41.500	23	21Eps CMa	1.5020	26000.	83	33769	No
60	GOM_NL__2PRFIN20080815_060514_000000502071_00148_33769_6189.N1	15-AUG-2008 06:05:14	Dark	50.000	2	Alp Car	-0.73600	7000.0	100	33769	No
61	GOM_NL__2PRFIN20080815_061538_000000512071_00149_33770_6188.N1	15-AUG-2008 06:15:38	Dark	50.500	9	Alp Eri	0.45300	24000.	101	33770	No
62	GOM_NL__2PRFIN20080815_062126_000000472071_00149_33770_6189.N1	15-AUG-2008 06:21:26	Straylight	47.000	148	Alp Tuc	2.8780	4100.0	94	33770	No
63	GOM_NL__2PRFIN20080815_062500_000000442071_00149_33770_6190.N1	15-AUG-2008 06:25:00	Straylight	44.000	31	Alp Gru	1.7340	15200.	88	33770	No
64	GOM_NL__2PRFIN20080815_062759_000000402071_00149_33770_6191.N1	15-AUG-2008 06:27:59	Straylight	40.000	172	Gam Gru	3.0030	13100.	80	33770	No
65	GOM_NL__2PRFIN20080815_064232_000000362071_00149_33770_6192.N1	15-AUG-2008 06:42:32	Bright	36.000	11	53Alp Aql	0.76500	8000.0	72	33770	No
66	GOM_NL__2PRFIN20080815_064953_000000392071_00149_33770_6193.N1	15-AUG-2008 06:49:53	Bright	39.000	92	53Eps Cyg	2.5000	4500.0	78	33770	No
67	GOM_NL__2PRFIN20080815_065127_000000382071_00149_33770_6194.N1	15-AUG-2008 06:51:27	Bright	37.500	66	37Gam Cyg	2.2080	5900.0	75	33770	No
68	GOM_NL__2PRFIN20080815_065243_000000352071_00149_33770_6195.N1	15-AUG-2008 06:52:43	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	33770	No
69	GOM_NL__2PRFIN20080815_065827_000000382071_00149_33770_6196.N1	15-AUG-2008 06:58:27	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	33770	No
70	GOM_NL__2PRFIN20080815_070526_000000362071_00149_33770_6197.N1	15-AUG-2008 07:05:26	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	33770	No
71	GOM_NL__2PRFIN20080815_072513_000000452071_00149_33770_6198.N1	15-AUG-2008 07:25:13	Twi_and_stray	44.500	151	13Mu Gem	2.8900	3000.0	89	33770	No
72	GOM_NL__2PRFIN20080815_072648_000000422071_00149_33770_6199.N1	15-AUG-2008 07:26:48	Twi_and_stray	41.500	44	24Gam Gem	1.9280	11000.	83	33770	No
73	GOM_NL__2PRFIN20080815_073555_000000442071_00149_33770_6200.N1	15-AUG-2008 07:35:55	Dark	44.000	1	9Alp CMa	-1.4400	11000.	88	33770	No
74	GOM_NL__2PRFIN20080815_073733_000000382071_00149_33770_6201.N1	15-AUG-2008 07:37:33	Dark	37.500	179	24Omi2CMa	3.0320	24000.	75	33770	No
75	GOM_NL__2PRFIN20080815_073900_000000412071_00149_33770_6202.N1	15-AUG-2008 07:39:00	Dark	41.000	23	21Eps CMa	1.5020	26000.	82	33770	No
76	GOM_NL__2PRFIN20080815_074550_000000442071_00149_33770_6203.N1	15-AUG-2008 07:45:50	Dark	44.000	2	Alp Car	-0.73600	7000.0	88	33770	No
77	GOM_NL__2PRFIN20080815_075615_000000442071_00150_33771_6210.N1	15-AUG-2008 07:56:15	Dark	44.000	9	Alp Eri	0.45300	24000.	88	33771	No
78	GOM_NL__2PRFIN20080815_080203_000000412071_00150_33771_6211.N1	15-AUG-2008 08:02:03	Straylight	40.500	148	Alp Tuc	2.8780	4100.0	81	33771	No
79	GOM_NL__2PRFIN20080815_080536_000000422071_00150_33771_6212.N1	15-AUG-2008 08:05:36	Straylight	41.500	31	Alp Gru	1.7340	15200.	83	33771	No
80	GOM_NL__2PRFIN20080815_080835_000000422071_00150_33771_6213.N1	15-AUG-2008 08:08:35	Straylight	41.500	172	Gam Gru	3.0030	13100.	83	33771	No
81	GOM_NL__2PRFIN20080815_082308_000000352071_00150_33771_6214.N1	15-AUG-2008 08:23:08	Bright	35.000	11	53Alp Aql	0.76500	8000.0	70	33771	No
82	GOM_NL__2PRFIN20080815_083028_000000362071_00150_33771_6215.N1	15-AUG-2008 08:30:28	Bright	35.500	92	53Eps Cyg	2.5000	4500.0	71	33771	No
83	GOM_NL__2PRFIN20080815_083203_000000392071_00150_33771_6216.N1	15-AUG-2008 08:32:03	Bright	38.500	66	37Gam Cyg	2.2080	5900.0	77	33771	No
84	GOM_NL__2PRFIN20080815_083319_000000362071_00150_33771_6217.N1	15-AUG-2008 08:33:19	Bright	35.500	144	18Del Cyg	2.8600	11000.	71	33771	No
85	GOM_NL__2PRFIN20080815_083902_000000392071_00150_33771_6218.N1	15-AUG-2008 08:39:02	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	33771	No
86	GOM_NL__2PRFIN20080815_084602_000000342071_00150_33771_6219.N1	15-AUG-2008 08:46:02	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	33771	No
87	GOM_NL__2PRFIN20080815_090549_000000462071_00150_33771_6220.N1	15-AUG-2008 09:05:49	Twi_and_stray	46.000	151	13Mu Gem	2.8900	3000.0	92	33771	No
88	GOM_NL__2PRFIN20080815_090724_000000412071_00150_33771_6221.N1	15-AUG-2008 09:07:24	Twi_and_stray	40.500	44	24Gam Gem	1.9280	11000.	81	33771	No
89	GOM_NL__2PRFIN20080815_091631_000000442071_00150_33771_6222.N1	15-AUG-2008 09:16:31	Dark	43.500	1	9Alp CMa	-1.4400	11000.	87	33771	No
90	GOM_NL__2PRFIN20080815_091809_000000382071_00150_33771_6223.N1	15-AUG-2008 09:18:09	Dark	38.000	179	24Omi2CMa	3.0320	24000.	76	33771	No
91	GOM_NL__2PRFIN20080815_091937_000000432071_00150_33771_6224.N1	15-AUG-2008 09:19:37	Dark	42.500	23	21Eps CMa	1.5020	26000.	85	33771	No
92	GOM_NL__2PRFIN20080815_092626_000000472071_00150_33771_6225.N1	15-AUG-2008 09:26:26	Dark	47.000	2	Alp Car	-0.73600	7000.0	94	33771	No
93	GOM_NL__2PRFIN20080815_093652_000000472071_00151_33772_6222.N1	15-AUG-2008 09:36:52	Dark	46.500	9	Alp Eri	0.45300	24000.	93	33772	No
94	GOM_NL__2PRFIN20080815_094239_000000482071_00151_33772_6223.N1	15-AUG-2008 09:42:39	Straylight	47.500	148	Alp Tuc	2.8780	4100.0	95	33772	No
95	GOM_NL__2PRFIN20080815_094613_000000432071_00151_33772_6224.N1	15-AUG-2008 09:46:13	Straylight	42.500	31	Alp Gru	1.7340	15200.	85	33772	No
96	GOM_NL__2PRFIN20080815_094911_000000412071_00151_33772_6225.N1	15-AUG-2008 09:49:11	Straylight	40.500	172	Gam Gru	3.0030	13100.	81	33772	No
97	GOM_NL__2PRFIN20080815_100344_000000352071_00151_33772_6226.N1	15-AUG-2008 10:03:44	Bright	34.500	11	53Alp Aql	0.76500	8000.0	69	33772	No
98	GOM_NL__2PRFIN20080815_101104_000000392071_00151_33772_6227.N1	15-AUG-2008 10:11:04	Bright	38.500	92	53Eps Cyg	2.5000	4500.0	77	33772	No
99	GOM_NL__2PRFIN20080815_101239_000000392071_00151_33772_6228.N1	15-AUG-2008 10:12:39	Bright	38.500	66	37Gam Cyg	2.2080	5900.0	77	33772	No
100	GOM_NL__2PRFIN20080815_101355_000000352071_00151_33772_6229.N1	15-AUG-2008 10:13:55	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	33772	No
101	GOM_NL__2PRFIN20080815_101938_000000382071_00151_33772_6230.N1	15-AUG-2008 10:19:38	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	33772	No

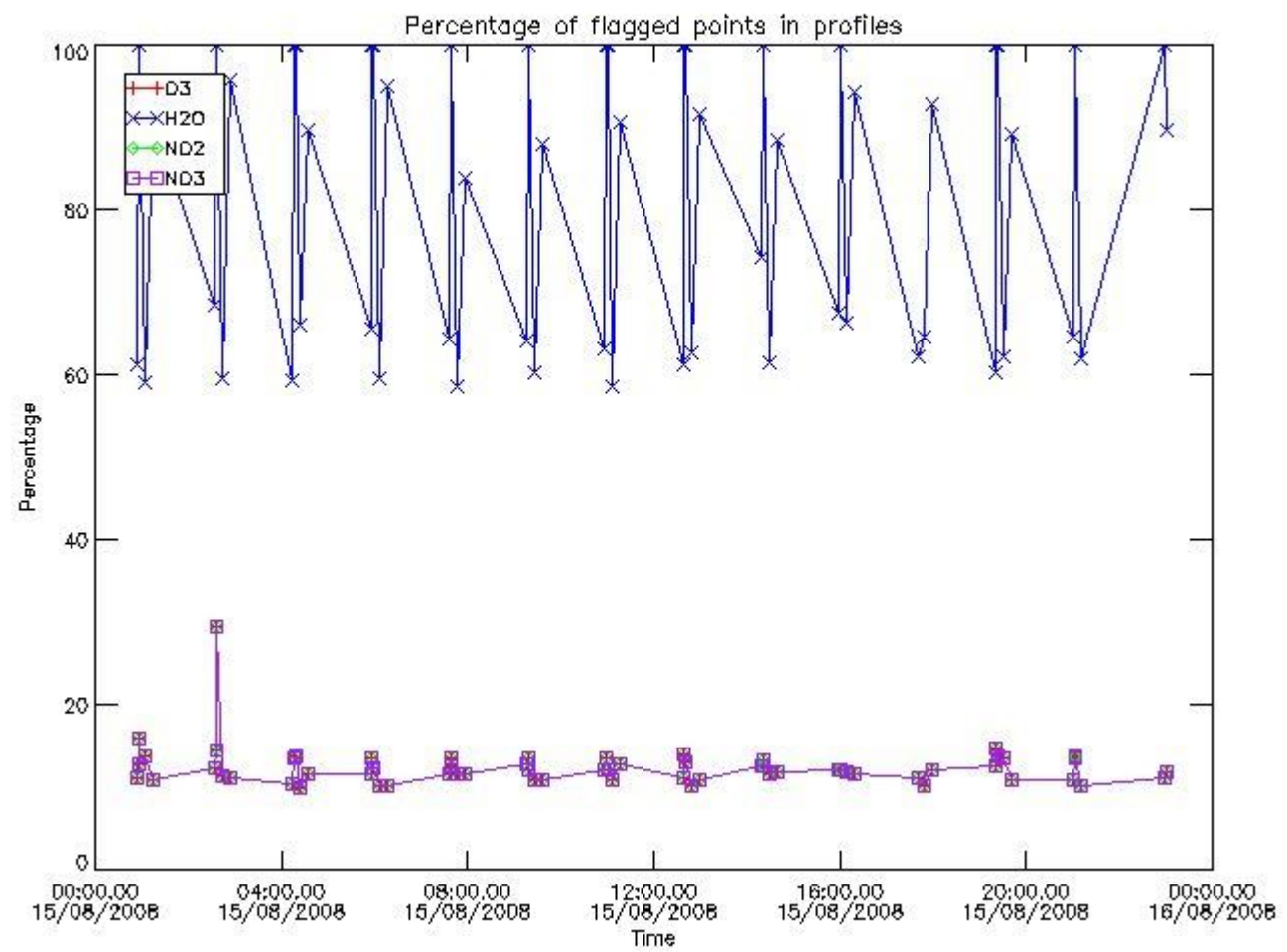
102	GOM_NL__2PRFIN20080815_102638_000000372071_00151_33772_6231.N1	15-AUG-2008 10:26:38	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	33772	No
103	GOM_NL__2PRFIN20080815_104625_000000482071_00151_33772_6232.N1	15-AUG-2008 10:46:25	Twilight	47.500	151	13Mu Gem	2.8900	3000.0	95	33772	No
104	GOM_NL__2PRFIN20080815_104800_000000432071_00151_33772_6233.N1	15-AUG-2008 10:48:00	Twilight	42.500	44	24Gam Gem	1.9280	11000.	85	33772	No
105	GOM_NL__2PRFIN20080815_105707_000000432071_00151_33772_6234.N1	15-AUG-2008 10:57:07	Dark	42.500	1	9Alp CMa	-1.4400	11000.	85	33772	No
106	GOM_NL__2PRFIN20080815_105845_000000382071_00151_33772_6235.N1	15-AUG-2008 10:58:45	Dark	38.000	179	24Omi2CMa	3.0320	24000.	76	33772	No
107	GOM_NL__2PRFIN20080815_110013_000000422071_00151_33772_6236.N1	15-AUG-2008 11:00:13	Dark	42.000	23	21Eps CMa	1.5020	26000.	84	33772	No
108	GOM_NL__2PRFIN20080815_110703_000000482071_00151_33772_6237.N1	15-AUG-2008 11:07:03	Dark	47.500	2	Alp Car	-0.73600	7000.0	95	33772	No
109	GOM_NL__2PRFIN20080815_111728_000000442071_00152_33773_6241.N1	15-AUG-2008 11:17:28	Dark	43.500	9	Alp Eri	0.45300	24000.	87	33773	No
110	GOM_NL__2PRFIN20080815_112315_000000422071_00152_33773_6242.N1	15-AUG-2008 11:23:15	Straylight	42.000	148	Alp Tuc	2.8780	4100.0	84	33773	No
111	GOM_NL__2PRFIN20080815_112649_000000402071_00152_33773_6243.N1	15-AUG-2008 11:26:49	Straylight	39.500	31	Alp Gru	1.7340	15200.	79	33773	No
112	GOM_NL__2PRFIN20080815_112947_000000412071_00152_33773_6244.N1	15-AUG-2008 11:29:47	Straylight	41.000	172	Gam Gru	3.0030	13100.	82	33773	No
113	GOM_NL__2PRFIN20080815_114420_000000382071_00152_33773_6245.N1	15-AUG-2008 11:44:20	Bright	37.500	11	53Alp Aql	0.76500	8000.0	75	33773	No
114	GOM_NL__2PRFIN20080815_115140_000000392071_00152_33773_6246.N1	15-AUG-2008 11:51:40	Bright	39.000	92	53Eps Cyg	2.5000	4500.0	78	33773	No
115	GOM_NL__2PRFIN20080815_115314_000000382071_00152_33773_6247.N1	15-AUG-2008 11:53:14	Bright	37.500	66	37Gam Cyg	2.2080	5900.0	75	33773	No
116	GOM_NL__2PRFIN20080815_115431_000000352071_00152_33773_6248.N1	15-AUG-2008 11:54:31	Bright	34.500	144	18Del Cyg	2.8600	11000.	69	33773	No
117	GOM_NL__2PRFIN20080815_120013_000000382071_00152_33773_6249.N1	15-AUG-2008 12:00:13	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	33773	No
118	GOM_NL__2PRFIN20080815_122701_000000412071_00152_33773_6250.N1	15-AUG-2008 12:27:01	Twilight	41.000	151	13Mu Gem	2.8900	3000.0	82	33773	No
119	GOM_NL__2PRFIN20080815_122836_000000392071_00152_33773_6251.N1	15-AUG-2008 12:28:36	Twilight	39.000	44	24Gam Gem	1.9280	11000.	78	33773	No
120	GOM_NL__2PRFIN20080815_123744_000000462071_00152_33773_6252.N1	15-AUG-2008 12:37:44	Dark	45.500	1	9Alp CMa	-1.4400	11000.	91	33773	No
121	GOM_NL__2PRFIN20080815_123921_000000372071_00152_33773_6253.N1	15-AUG-2008 12:39:21	Dark	36.500	179	24Omi2CMa	3.0320	24000.	73	33773	No
122	GOM_NL__2PRFIN20080815_124049_000000392071_00152_33773_6254.N1	15-AUG-2008 12:40:49	Dark	39.000	23	21Eps CMa	1.5020	26000.	78	33773	No
123	GOM_NL__2PRFIN20080815_124739_000000502071_00152_33773_6255.N1	15-AUG-2008 12:47:39	Dark	50.000	2	Alp Car	-0.73600	7000.0	100	33773	No
124	GOM_NL__2PRFIN20080815_125805_000000482071_00153_33774_6256.N1	15-AUG-2008 12:58:05	Dark	47.500	9	Alp Eri	0.45300	24000.	95	33774	No
125	GOM_NL__2PRFIN20080815_130351_000000412071_00153_33774_6257.N1	15-AUG-2008 13:03:51	Straylight	40.500	148	Alp Tuc	2.8780	4100.0	81	33774	No
126	GOM_NL__2PRFIN20080815_130725_000000442071_00153_33774_6258.N1	15-AUG-2008 13:07:25	Straylight	44.000	31	Alp Gru	1.7340	15200.	88	33774	No
127	GOM_NL__2PRFIN20080815_131023_000000422071_00153_33774_6259.N1	15-AUG-2008 13:10:23	Straylight	41.500	172	Gam Gru	3.0030	13100.	83	33774	No
128	GOM_NL__2PRFIN20080815_132456_000000362071_00153_33774_6260.N1	15-AUG-2008 13:24:56	Bright	36.000	11	53Alp Aql	0.76500	8000.0	72	33774	No
129	GOM_NL__2PRFIN20080815_133215_000000372071_00153_33774_6261.N1	15-AUG-2008 13:32:15	Bright	37.000	92	53Eps Cyg	2.5000	4500.0	74	33774	No
130	GOM_NL__2PRFIN20080815_133350_000000342071_00153_33774_6262.N1	15-AUG-2008 13:33:50	Bright	34.000	66	37Gam Cyg	2.2080	5900.0	68	33774	No
131	GOM_NL__2PRFIN20080815_133507_000000362071_00153_33774_6263.N1	15-AUG-2008 13:35:07	Bright	35.500	144	18Del Cyg	2.8600	11000.	71	33774	No
132	GOM_NL__2PRFIN20080815_134049_000000392071_00153_33774_6264.N1	15-AUG-2008 13:40:49	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	33774	No
133	GOM_NL__2PRFIN20080815_134750_000000372071_00153_33774_6265.N1	15-AUG-2008 13:47:50	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	33774	No
134	GOM_NL__2PRFIN20080815_140737_000000452071_00153_33774_6266.N1	15-AUG-2008 14:07:37	Twilight	44.500	151	13Mu Gem	2.8900	3000.0	89	33774	No
135	GOM_NL__2PRFIN20080815_140912_000000402071_00153_33774_6267.N1	15-AUG-2008 14:09:12	Twilight	40.000	44	24Gam Gem	1.9280	11000.	80	33774	No
136	GOM_NL__2PRFIN20080815_141820_000000412071_00153_33774_6268.N1	15-AUG-2008 14:18:20	Dark	41.000	1	9Alp CMa	-1.4400	11000.	82	33774	No
137	GOM_NL__2PRFIN20080815_141958_000000392071_00153_33774_6269.N1	15-AUG-2008 14:19:58	Dark	38.500	179	24Omi2CMa	3.0320	24000.	77	33774	No
138	GOM_NL__2PRFIN20080815_142125_000000412071_00153_33774_6270.N1	15-AUG-2008 14:21:25	Dark	40.500	23	21Eps CMa	1.5020	26000.	81	33774	No
139	GOM_NL__2PRFIN20080815_142815_000000452071_00153_33774_6271.N1	15-AUG-2008 14:28:15	Dark	44.500	2	Alp Car	-0.73600	7000.0	89	33774	No
140	GOM_NL__2PRFIN20080815_143841_000000442071_00154_33775_6268.N1	15-AUG-2008 14:38:41	Dark	43.500	9	Alp Eri	0.45300	24000.	87	33775	No
141	GOM_NL__2PRFIN20080815_144428_000000402071_00154_33775_6269.N1	15-AUG-2008 14:44:28	Straylight	39.500	148	Alp Tuc	2.8780	4100.0	79	33775	No
142	GOM_NL__2PRFIN20080815_144801_000000402071_00154_33775_6270.N1	15-AUG-2008 14:48:01	Straylight	40.000	31	Alp Gru	1.7340	15200.	80	33775	No
143	GOM_NL__2PRFIN20080815_145100_000000412071_00154_33775_6271.N1	15-AUG-2008 14:51:00	Straylight	41.000	172	Gam Gru	3.0030	13100.	82	33775	No
144	GOM_NL__2PRFIN20080815_150532_000000352071_00154_33775_6272.N1	15-AUG-2008 15:05:32	Bright	35.000	11	53Alp Aql	0.76500	8000.0	70	33775	No
145	GOM_NL__2PRFIN20080815_151251_000000402071_00154_33775_6273.N1	15-AUG-2008 15:12:51	Bright	39.500	92	53Eps Cyg	2.5000	4500.0	79	33775	No
146	GOM_NL__2PRFIN20080815_151426_000000382071_00154_33775_6274.N1	15-AUG-2008 15:14:26	Bright	38.000	66	37Gam Cyg	2.2080	5900.0	76	33775	No
147	GOM_NL__2PRFIN20080815_151543_000000352071_00154_33775_6275.N1	15-AUG-2008 15:15:43	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	33775	No
148	GOM_NL__2PRFIN20080815_152125_000000382071_00154_33775_6276.N1	15-AUG-2008 15:21:25	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	33775	No
149	GOM_NL__2PRFIN20080815_152826_000000352071_00154_33775_6277.N1	15-AUG-2008 15:28:26	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	33775	No
150	GOM_NL__2PRFIN20080815_154813_000000472071_00154_33775_6278.N1	15-AUG-2008 15:48:13	Twilight	47.000	151	13Mu Gem	2.8900	3000.0	94	33775	No
151	GOM_NL__2PRFIN20080815_154948_000000402071_00154_33775_6279.N1	15-AUG-2008 15:49:48	Twilight	39.500	44	24Gam Gem	1.9280	11000.	79	33775	No
152	GOM_NL__2PRFIN20080815_155856_000000422071_00154_33775_6280.N1	15-AUG-2008 15:58:56	Dark	42.000	1	9Alp CMa	-1.4400	11000.	84	33775	No
153	GOM_NL__2PRFIN20080815_160201_000000422071_00154_33775_6281.N1	15-AUG-2008 16:02:01	Dark	42.000	23	21Eps CMa	1.5020	26000.	84	33775	No
154	GOM_NL__2PRFIN20080815_160851_000000442071_00154_33775_6282.N1	15-AUG-2008 16:08:51	Dark	43.500	2	Alp Car	-0.73600	7000.0	87	33775	No
155	GOM_NL__2PRFIN20080815_161918_000000442071_00155_33776_6281.N1	15-AUG-2008 16:19:18	Dark	44.000	9	Alp Eri	0.45300	24000.	88	33776	No
156	GOM_NL__2PRFIN20080815_162504_000000382071_00155_33776_6282.N1	15-AUG-2008 16:25:04	Straylight	38.000	148	Alp Tuc	2.8780	4100.0	76	33776	No
157	GOM_NL__2PRFIN20080815_162838_000000402071_00155_33776_6283.N1	15-AUG-2008 16:28:38	Straylight	39.500	31	Alp Gru	1.7340	15200.	79	33776	No
158	GOM_NL__2PRFIN20080815_163136_000000412071_00155_33776_6284.N1	15-AUG-2008 16:31:36	Straylight	41.000	172	Gam Gru	3.0030	13100.	82	33776	No
159	GOM_NL__2PRFIN20080815_164608_000000362071_00155_33776_6285.N1	15-AUG-2008 16:46:08	Bright	35.500	11	53Alp Aql	0.76500	8000.0	71	33776	No
160	GOM_NL__2PRFIN20080815_165327_000000402071_00155_33776_6286.N1	15-AUG-2008 16:53:27	Bright	40.000	92	53Eps Cyg	2.5000	4500.0	80	33776	No

161	GOM_NL__2PRFIN20080815_165502_000000382071_00155_33776_6287.N1	15-AUG-2008 16:55:02	Bright	37.500	66	37Gam Cyg	2.2080	5900.0	75	33776	No
162	GOM_NL__2PRFIN20080815_165619_000000352071_00155_33776_6288.N1	15-AUG-2008 16:56:19	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	33776	No
163	GOM_NL__2PRFIN20080815_170200_000000392071_00155_33776_6289.N1	15-AUG-2008 17:02:00	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	33776	No
164	GOM_NL__2PRFIN20080815_170902_000000372071_00155_33776_6290.N1	15-AUG-2008 17:09:02	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	33776	No
165	GOM_NL__2PRFIN20080815_172849_000000462071_00155_33776_6291.N1	15-AUG-2008 17:28:49	Tw_i_and_stray	46.000	151	13Mu Gem	2.8900	3000.0	92	33776	No
166	GOM_NL__2PRFIN20080815_173025_000000392071_00155_33776_6292.N1	15-AUG-2008 17:30:25	Tw_i_and_stray	39.000	44	24Gam Gem	1.9280	11000.	78	33776	No
167	GOM_NL__2PRFIN20080815_173932_000000462071_00155_33776_6293.N1	15-AUG-2008 17:39:32	Dark	45.500	1	9Alp CMa	-1.4400	11000.	91	33776	No
168	GOM_NL__2PRFIN20080815_174927_000000502071_00155_33776_6294.N1	15-AUG-2008 17:49:27	Dark	50.000	2	Alp Car	-0.73600	7000.0	100	33776	No
169	GOM_NL__2PRFIN20080815_175955_000000422071_00156_33777_6292.N1	15-AUG-2008 17:59:55	Dark	42.000	9	Alp Eri	0.45300	24000.	84	33777	No
170	GOM_NL__2PRFIN20080815_180540_000000462071_00156_33777_6293.N1	15-AUG-2008 18:05:40	Straylight	46.000	148	Alp Tuc	2.8780	4100.0	92	33777	No
171	GOM_NL__2PRFIN20080815_180914_000000402071_00156_33777_6294.N1	15-AUG-2008 18:09:14	Straylight	39.500	31	Alp Gru	1.7340	15200.	79	33777	No
172	GOM_NL__2PRFIN20080815_181212_000000422071_00156_33777_6295.N1	15-AUG-2008 18:12:12	Straylight	41.500	172	Gam Gru	3.0030	13100.	83	33777	No
173	GOM_NL__2PRFIN20080815_182644_000000352071_00156_33777_6296.N1	15-AUG-2008 18:26:44	Bright	35.000	11	53Alp Aql	0.76500	8000.0	70	33777	No
174	GOM_NL__2PRFIN20080815_183403_000000392071_00156_33777_6297.N1	15-AUG-2008 18:34:03	Bright	39.000	92	53Eps Cyg	2.5000	4500.0	78	33777	No
175	GOM_NL__2PRFIN20080815_183538_000000402071_00156_33777_6298.N1	15-AUG-2008 18:35:38	Bright	39.500	66	37Gam Cyg	2.2080	5900.0	79	33777	No
176	GOM_NL__2PRFIN20080815_183655_000000352071_00156_33777_6299.N1	15-AUG-2008 18:36:55	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	33777	No
177	GOM_NL__2PRFIN20080815_184236_000000362071_00156_33777_6300.N1	15-AUG-2008 18:42:36	Bright	36.000	89	5Alp Cep	2.4510	8000.0	72	33777	No
178	GOM_NL__2PRFIN20080815_184938_000000372071_00156_33777_6301.N1	15-AUG-2008 18:49:38	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	33777	No
179	GOM_NL__2PRFIN20080815_190925_000000452071_00156_33777_6302.N1	15-AUG-2008 19:09:25	Tw_i_and_stray	44.500	151	13Mu Gem	2.8900	3000.0	89	33777	No
180	GOM_NL__2PRFIN20080815_191101_000000382071_00156_33777_6303.N1	15-AUG-2008 19:11:01	Tw_i_and_stray	38.000	44	24Gam Gem	1.9280	11000.	76	33777	No
181	GOM_NL__2PRFIN20080815_192009_000000452071_00156_33777_6304.N1	15-AUG-2008 19:20:09	Dark	44.500	1	9Alp CMa	-1.4400	11000.	89	33777	No
182	GOM_NL__2PRFIN20080815_192146_000000382071_00156_33777_6305.N1	15-AUG-2008 19:21:46	Dark	38.000	179	24Omi2CMa	3.0320	24000.	76	33777	No
183	GOM_NL__2PRFIN20080815_192313_000000412071_00156_33777_6306.N1	15-AUG-2008 19:23:13	Dark	41.000	23	21Eps CMa	1.5020	26000.	82	33777	No
184	GOM_NL__2PRFIN20080815_193003_000000422071_00156_33777_6307.N1	15-AUG-2008 19:30:03	Dark	41.500	2	Alp Car	-0.73600	7000.0	83	33777	No
185	GOM_NL__2PRFIN20080815_194031_000000472071_00157_33778_6314.N1	15-AUG-2008 19:40:31	Dark	46.500	9	Alp Eri	0.45300	24000.	93	33778	No
186	GOM_NL__2PRFIN20080815_194616_000000392071_00157_33778_6315.N1	15-AUG-2008 19:46:16	Straylight	39.000	148	Alp Tuc	2.8780	4100.0	78	33778	No
187	GOM_NL__2PRFIN20080815_194950_000000442071_00157_33778_6316.N1	15-AUG-2008 19:49:50	Straylight	44.000	31	Alp Gru	1.7340	15200.	88	33778	No
188	GOM_NL__2PRFIN20080815_195249_000000422071_00157_33778_6317.N1	15-AUG-2008 19:52:49	Straylight	41.500	172	Gam Gru	3.0030	13100.	83	33778	No
189	GOM_NL__2PRFIN20080815_200720_000000362071_00157_33778_6318.N1	15-AUG-2008 20:07:20	Bright	35.500	11	53Alp Aql	0.76500	8000.0	71	33778	No
190	GOM_NL__2PRFIN20080815_201438_000000382071_00157_33778_6319.N1	15-AUG-2008 20:14:38	Bright	37.500	92	53Eps Cyg	2.5000	4500.0	75	33778	No
191	GOM_NL__2PRFIN20080815_201614_000000382071_00157_33778_6320.N1	15-AUG-2008 20:16:14	Bright	38.000	66	37Gam Cyg	2.2080	5900.0	76	33778	No
192	GOM_NL__2PRFIN20080815_201731_000000352071_00157_33778_6321.N1	15-AUG-2008 20:17:31	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	33778	No
193	GOM_NL__2PRFIN20080815_202312_000000372071_00157_33778_6322.N1	15-AUG-2008 20:23:12	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	33778	No
194	GOM_NL__2PRFIN20080815_203013_000000372071_00157_33778_6323.N1	15-AUG-2008 20:30:13	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	33778	No
195	GOM_NL__2PRFIN20080815_205002_000000462071_00157_33778_6324.N1	15-AUG-2008 20:50:02	Tw_i_and_stray	45.500	151	13Mu Gem	2.8900	3000.0	91	33778	No
196	GOM_NL__2PRFIN20080815_205137_000000362071_00157_33778_6325.N1	15-AUG-2008 20:51:37	Tw_i_and_stray	36.000	44	24Gam Gem	1.9280	11000.	72	33778	No
197	GOM_NL__2PRFIN20080815_210045_000000472071_00157_33778_6326.N1	15-AUG-2008 21:00:45	Dark	47.000	1	9Alp CMa	-1.4400	11000.	94	33778	No
198	GOM_NL__2PRFIN20080815_210222_000000382071_00157_33778_6327.N1	15-AUG-2008 21:02:22	Dark	37.500	179	24Omi2CMa	3.0320	24000.	75	33778	No
199	GOM_NL__2PRFIN20080815_210350_000000372071_00157_33778_6328.N1	15-AUG-2008 21:03:50	Dark	37.000	23	21Eps CMa	1.5020	26000.	74	33778	No
200	GOM_NL__2PRFIN20080815_211040_000000502071_00157_33778_6329.N1	15-AUG-2008 21:10:40	Dark	50.000	2	Alp Car	-0.73600	7000.0	100	33778	No
201	GOM_NL__2PRFIN20080815_225739_000000502071_00159_33780_6340.N1	15-AUG-2008 22:57:39	Dark	50.000	157	The1Eri	2.9060	9300.0	100	33780	No
202	GOM_NL__2PRFIN20080815_230144_000000442071_00159_33780_6341.N1	15-AUG-2008 23:01:44	Dark	43.500	9	Alp Eri	0.45300	24000.	87	33780	No
203	GOM_NL__2PRFIN20080815_230729_000000632071_00159_33780_6342.N1	15-AUG-2008 23:07:29	Straylight	63.000	84	Alp Phe	2.3970	4500.0	126	33780	No
204	GOM_NL__2PRFIN20080815_231103_000000412071_00159_33780_6343.N1	15-AUG-2008 23:11:03	Straylight	41.000	31	Alp Gru	1.7340	15200.	82	33780	No
205	GOM_NL__2PRFIN20080815_231500_000000562071_00159_33780_6344.N1	15-AUG-2008 23:15:00	Tw_i_and_stray	55.500	18	24Alp PsA	1.1660	9700.0	111	33780	No
206	GOM_NL__2PRFIN20080815_232039_000000442071_00159_33780_6345.N1	15-AUG-2008 23:20:39	Bright	43.500	142	49Del Cap	2.8500	8900.0	87	33780	No
207	GOM_NL__2PRFIN20080815_232920_000000472071_00159_33780_6346.N1	15-AUG-2008 23:29:20	Bright	47.000	61	8Eps Peg	2.1000	3900.0	94	33780	No
208	GOM_NL__2PRFIN20080815_233550_000000362071_00159_33780_6347.N1	15-AUG-2008 23:35:50	Bright	35.500	92	53Eps Cyg	2.5000	4500.0	71	33780	No
209	GOM_NL__2PRFIN20080815_233725_000000352071_00159_33780_6348.N1	15-AUG-2008 23:37:25	Bright	34.500	66	37Gam Cyg	2.2080	5900.0	69	33780	No
210	GOM_NL__2PRFIN20080815_233902_000000382071_00159_33780_6349.N1	15-AUG-2008 23:39:02	Bright	37.500	19	50Alp Cyg	1.2460	10500.	75	33780	No
211	GOM_NL__2PRFIN20080815_234423_000000382071_00159_33780_6350.N1	15-AUG-2008 23:44:23	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	33780	No
212	GOM_NL__2PRFIN20080815_235125_000000372071_00159_33780_6351.N1	15-AUG-2008 23:51:25	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	33780	No

3. Quality information per product

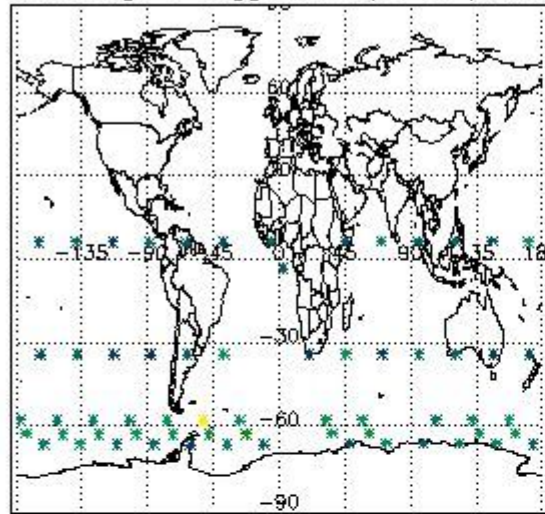
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

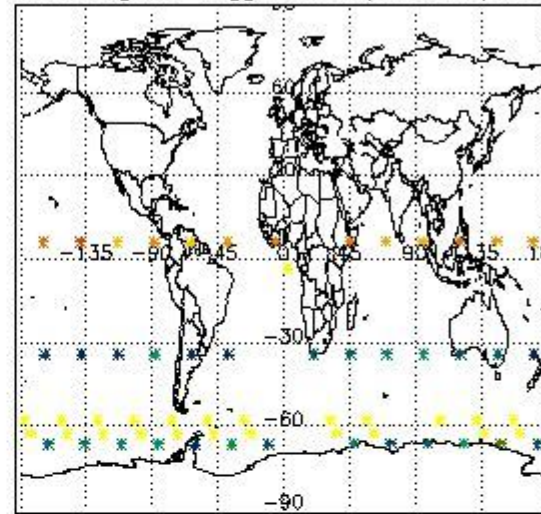


3.2 Plot quality information per product (world map)

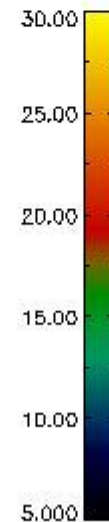
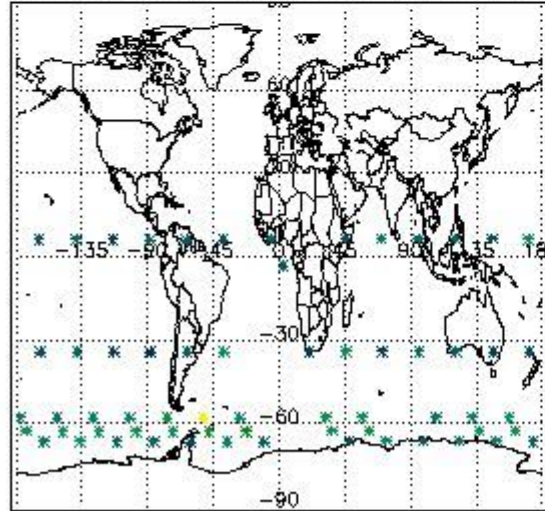
Percentage of flagged data per O3 profile



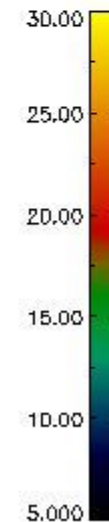
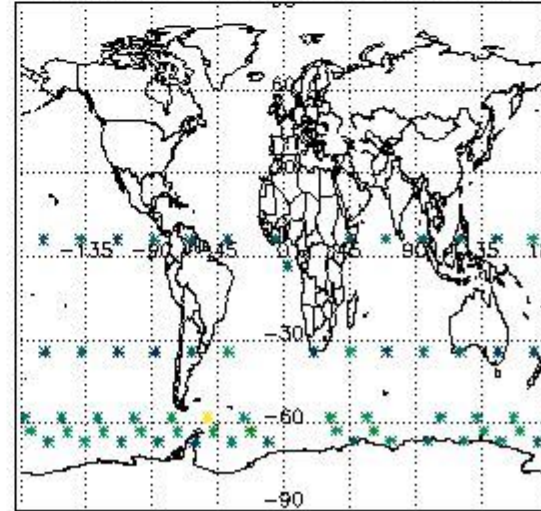
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

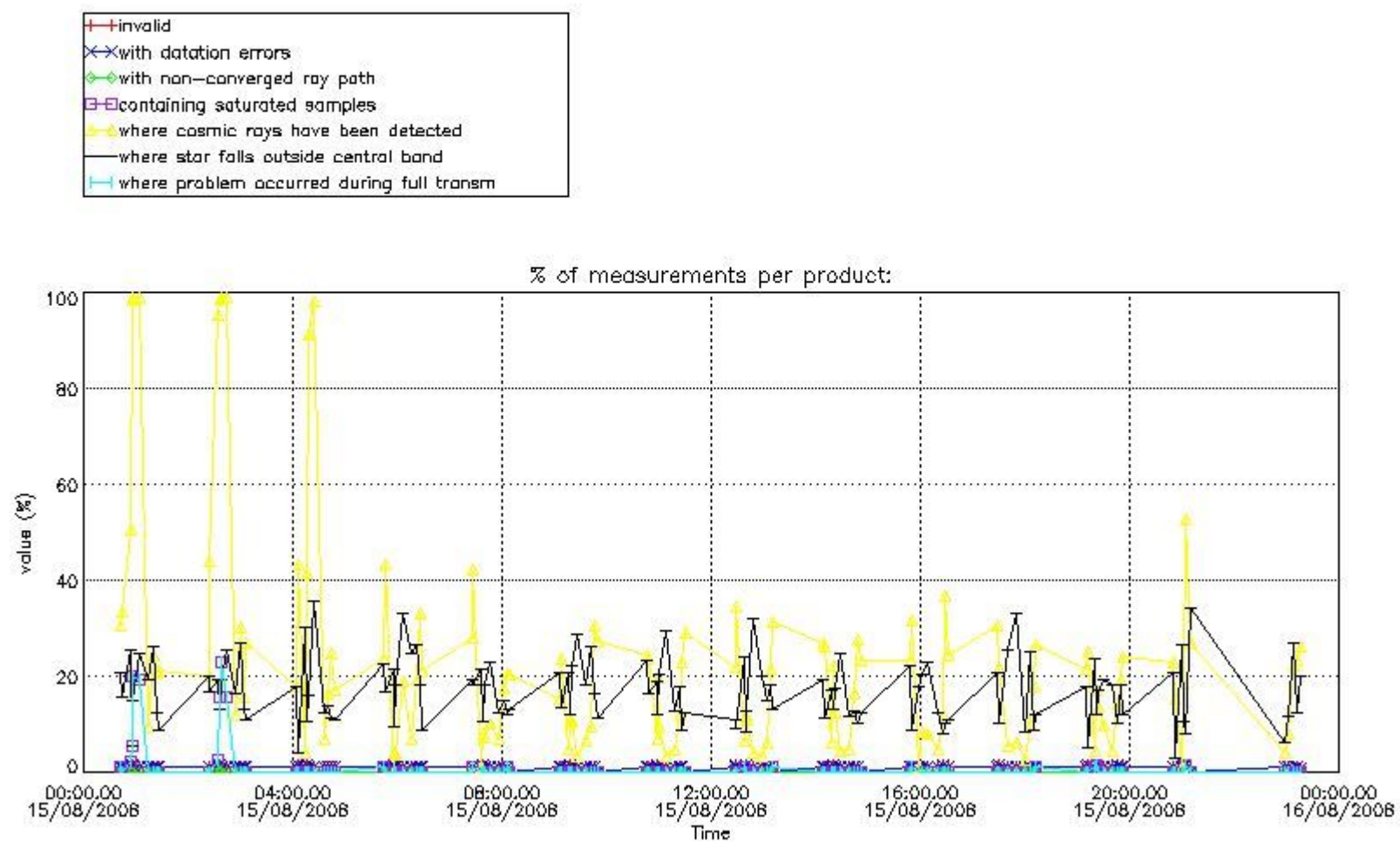


4. Level 1 quality information per product

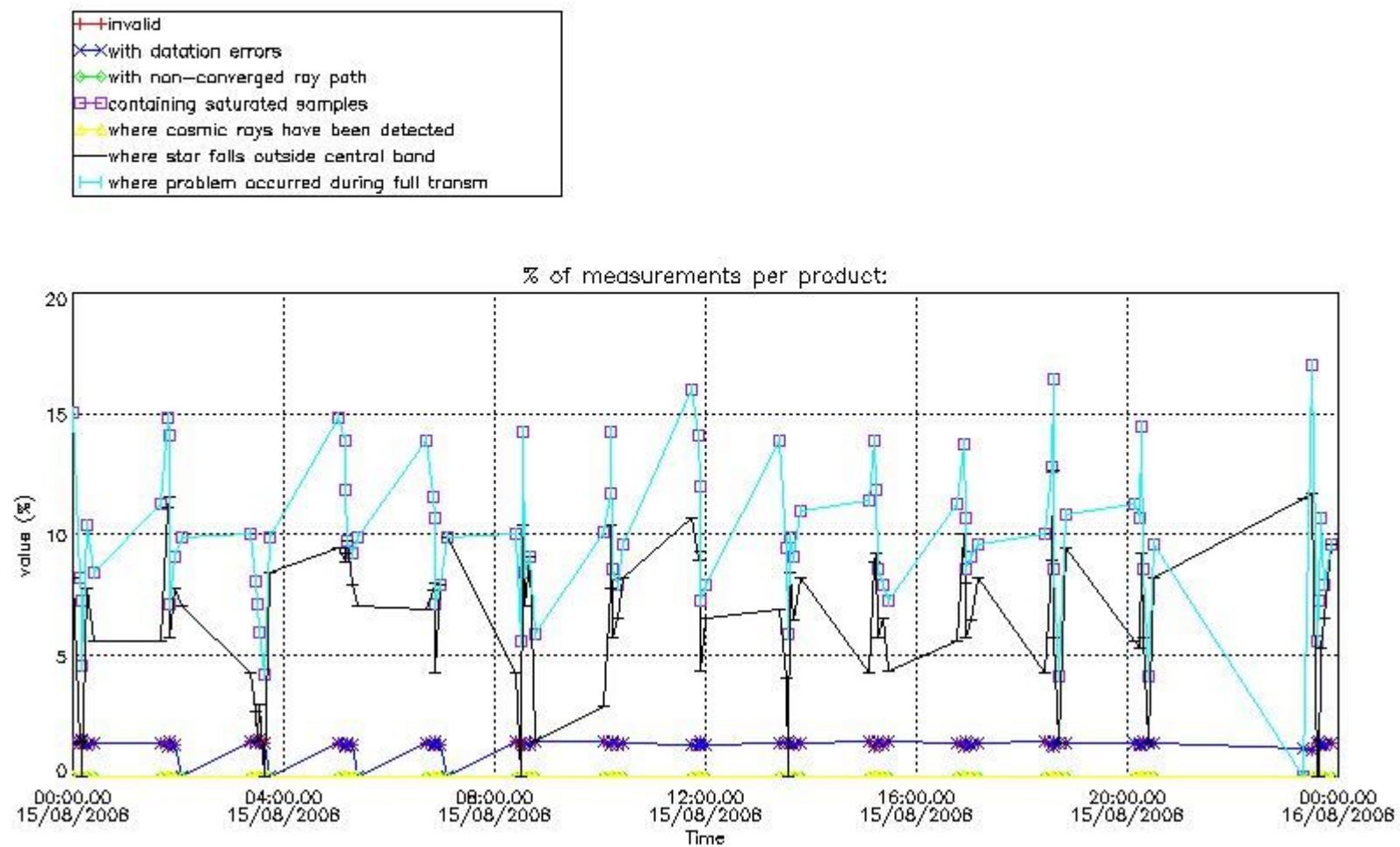
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



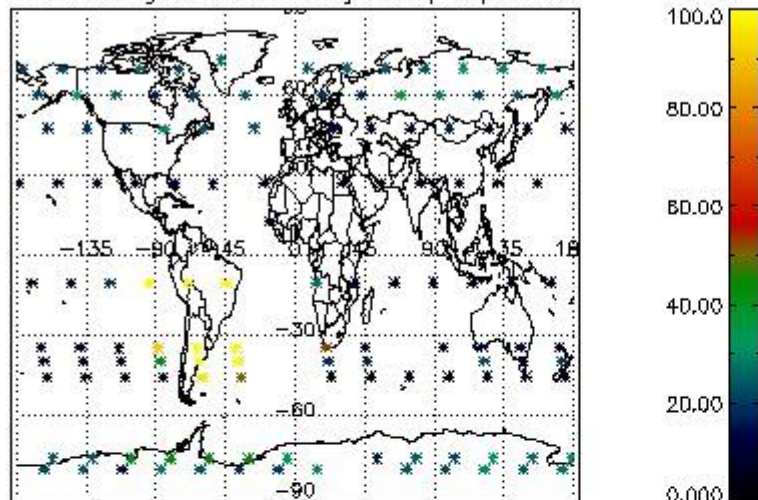
4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



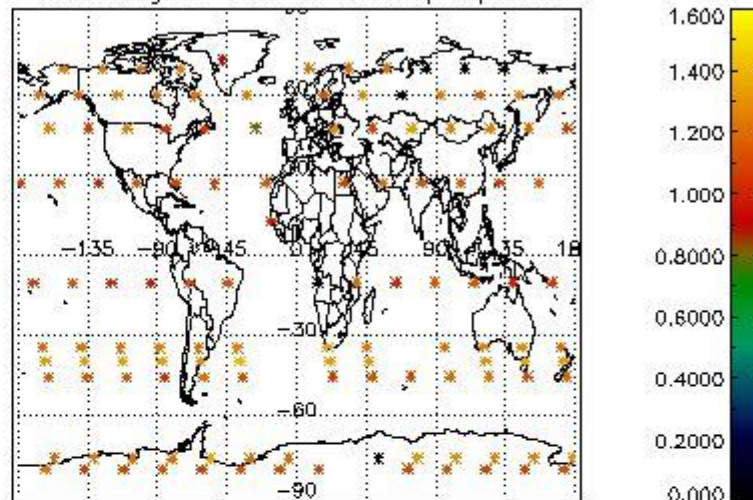
4.2 Plot quality information per product coming from level 1b processing (world map)

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

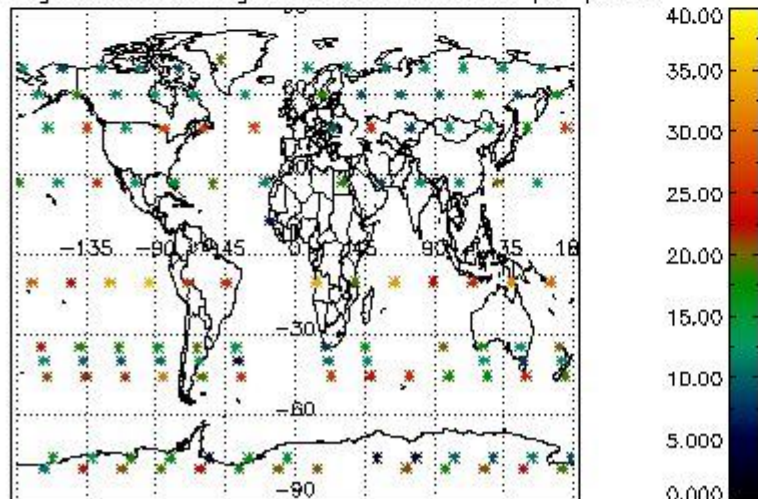
Percentage of cosmic ray hits per profile



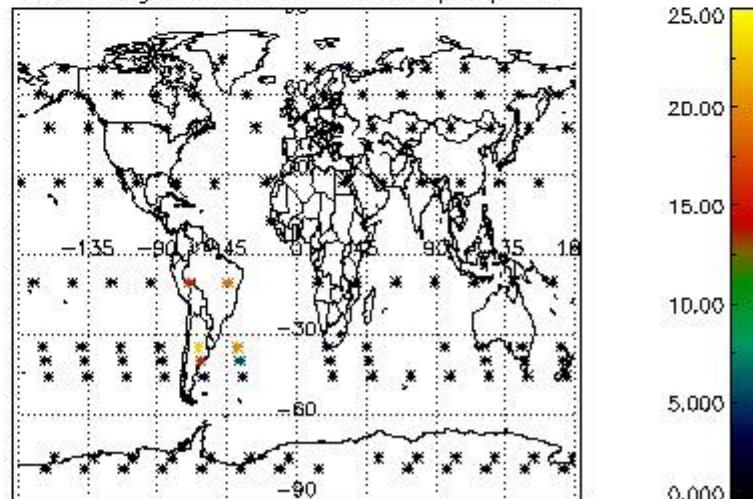
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

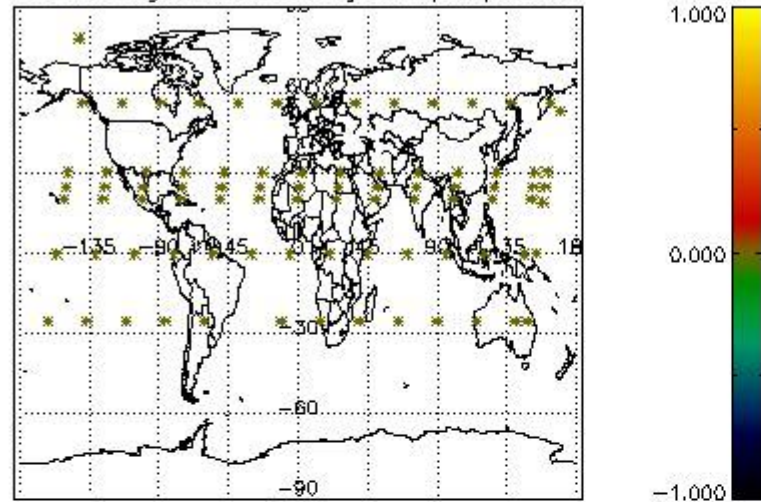


Percentage of saturation errors per profile

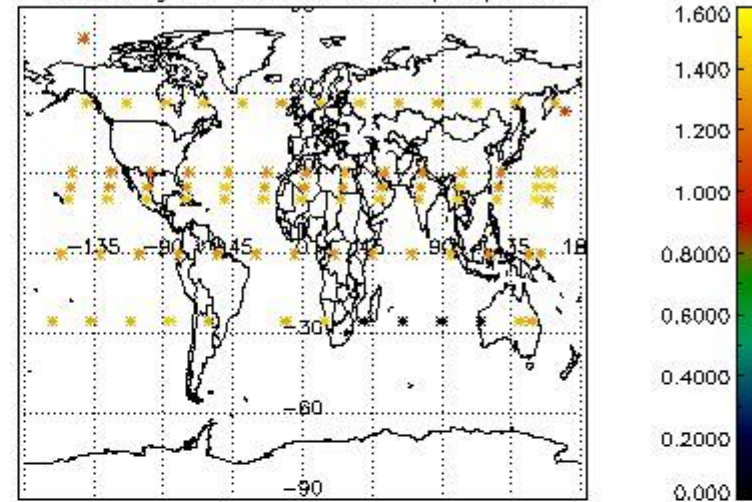


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

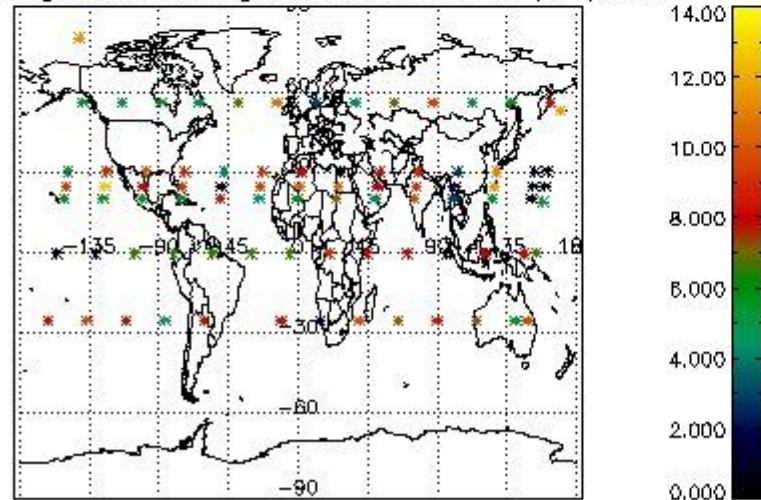
Percentage of cosmic ray hits per profile



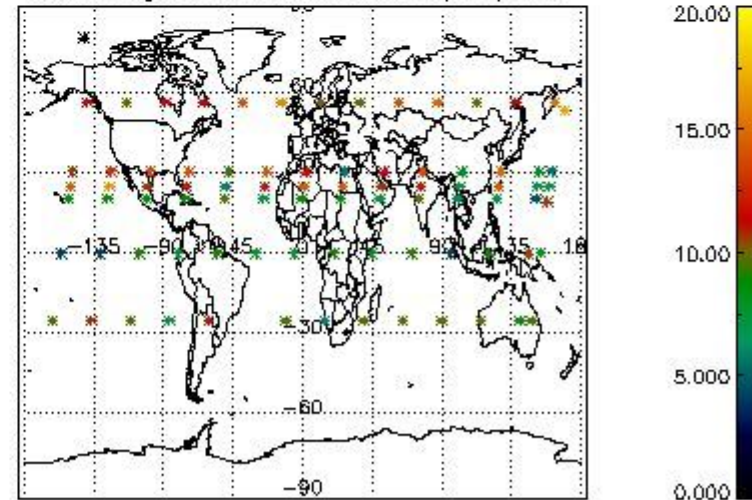
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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

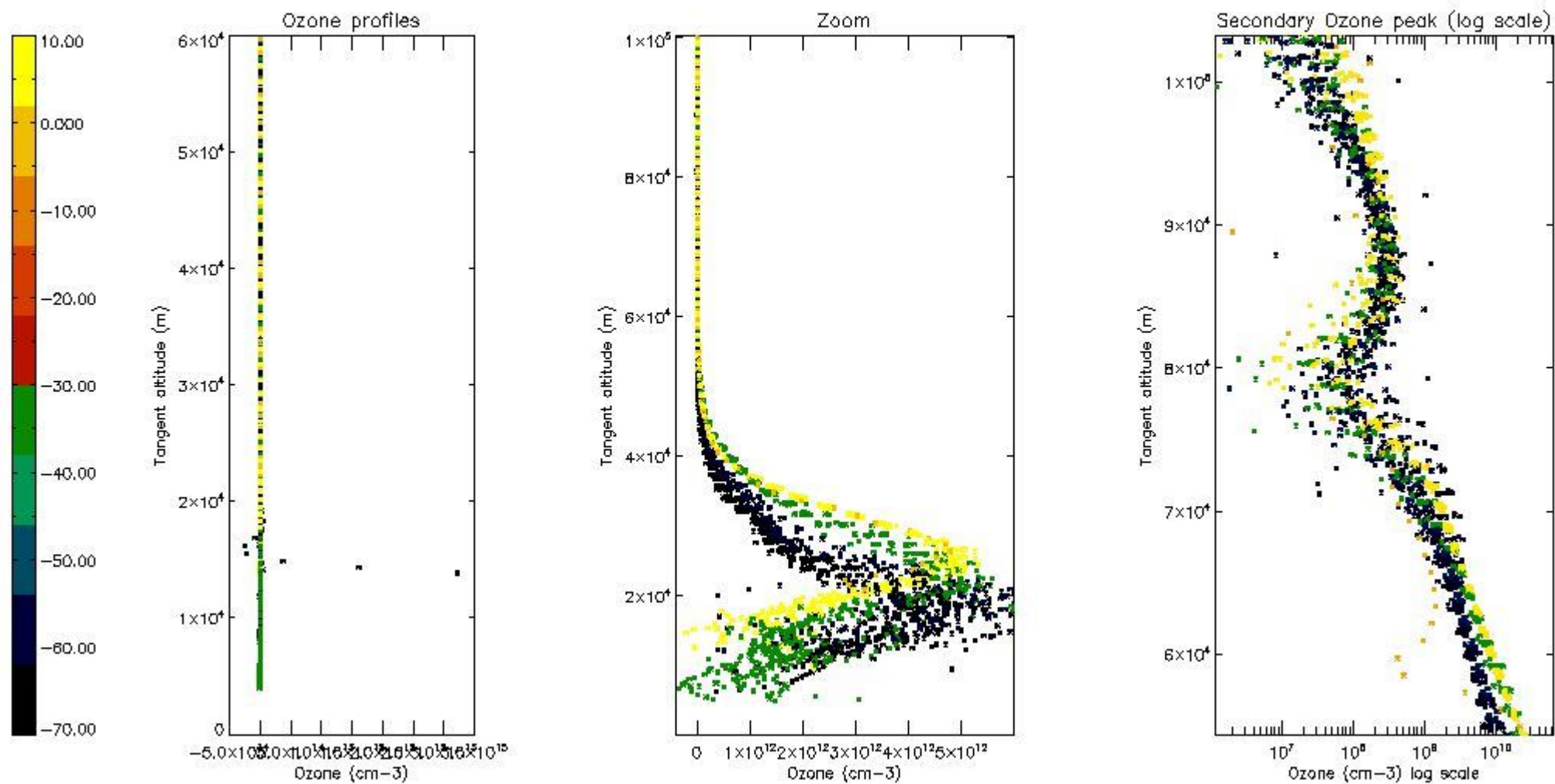
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	32
STD < 20	23

STD < 10	20
STD < 5	16

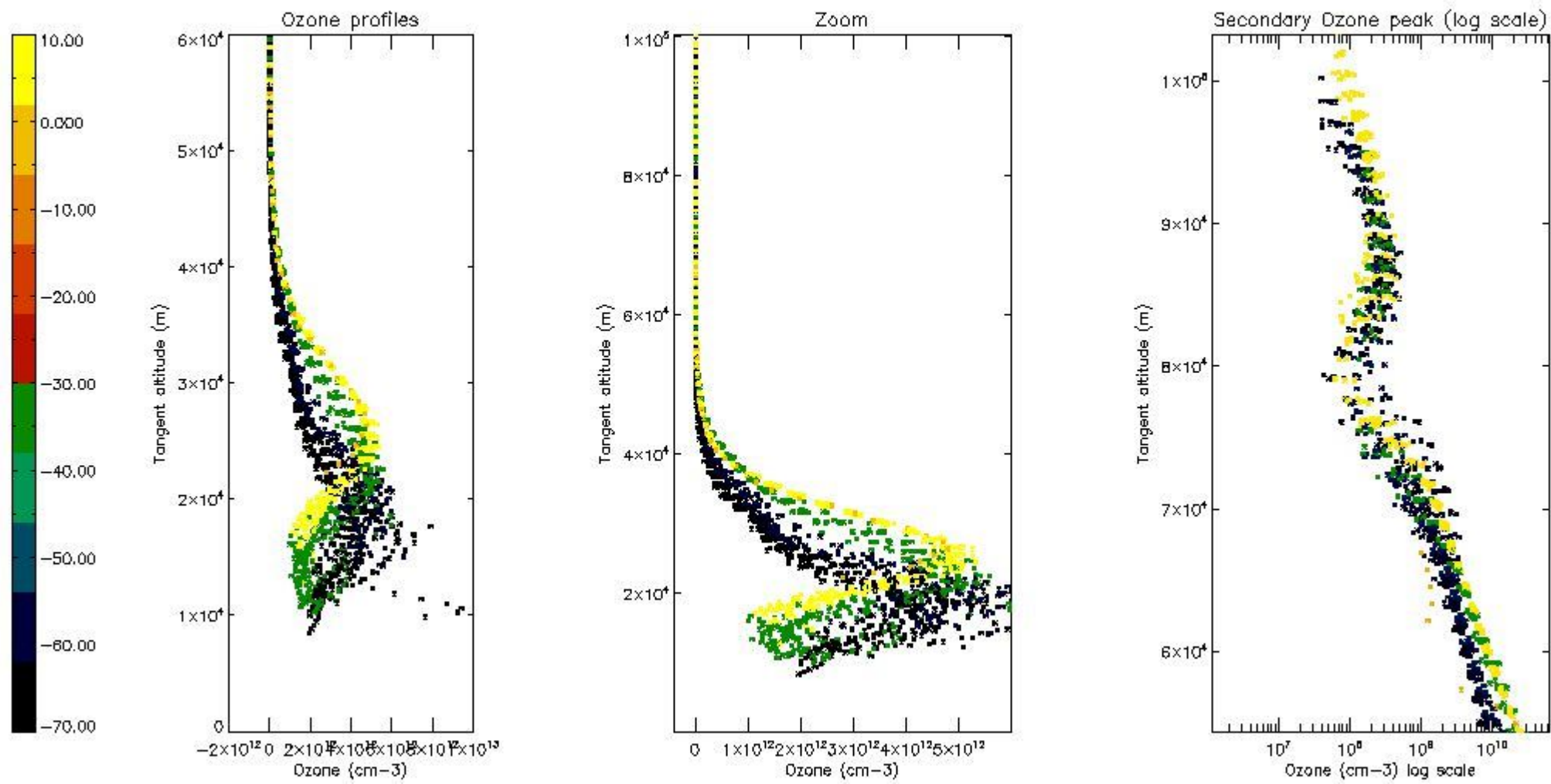
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



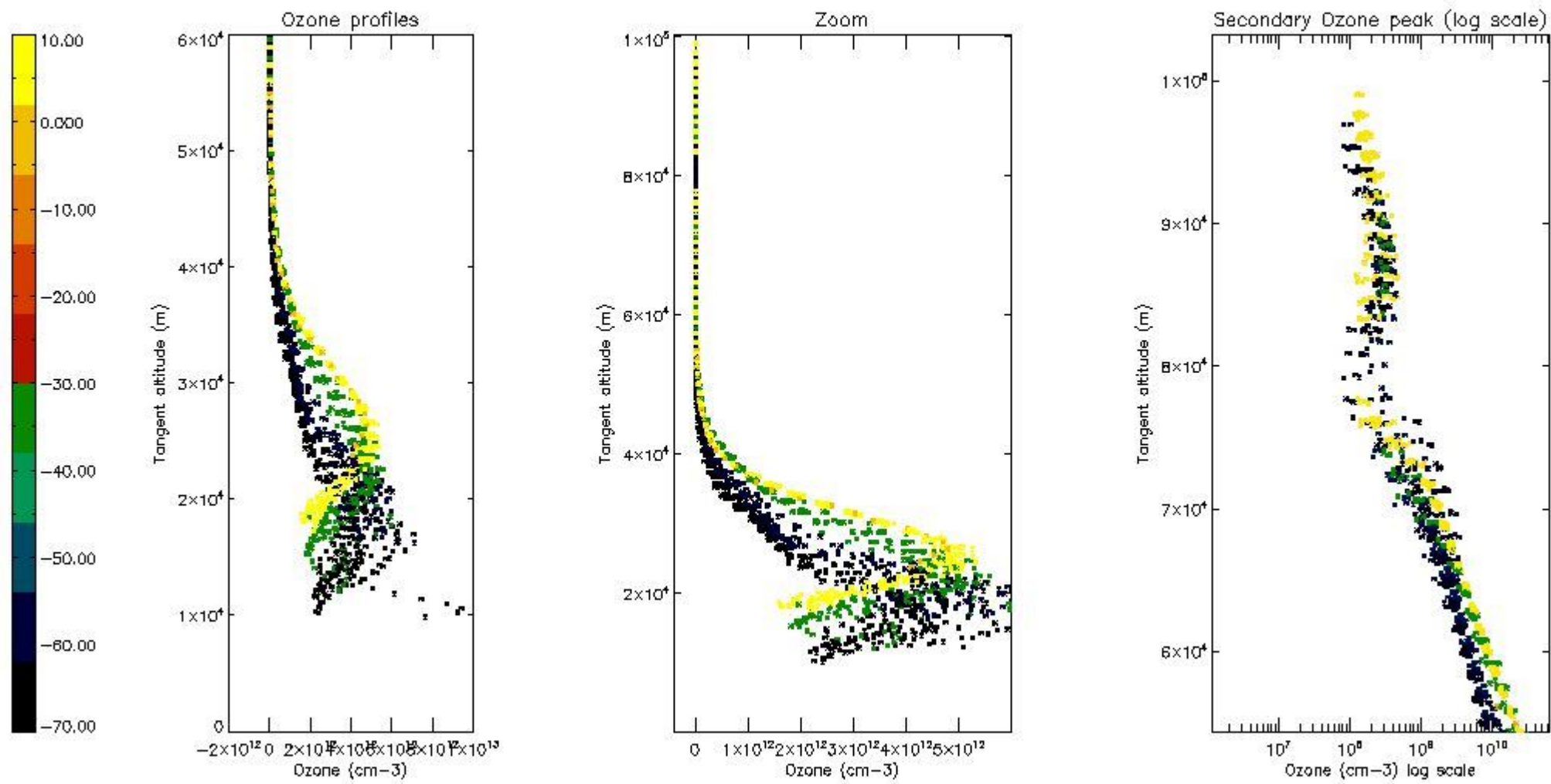
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



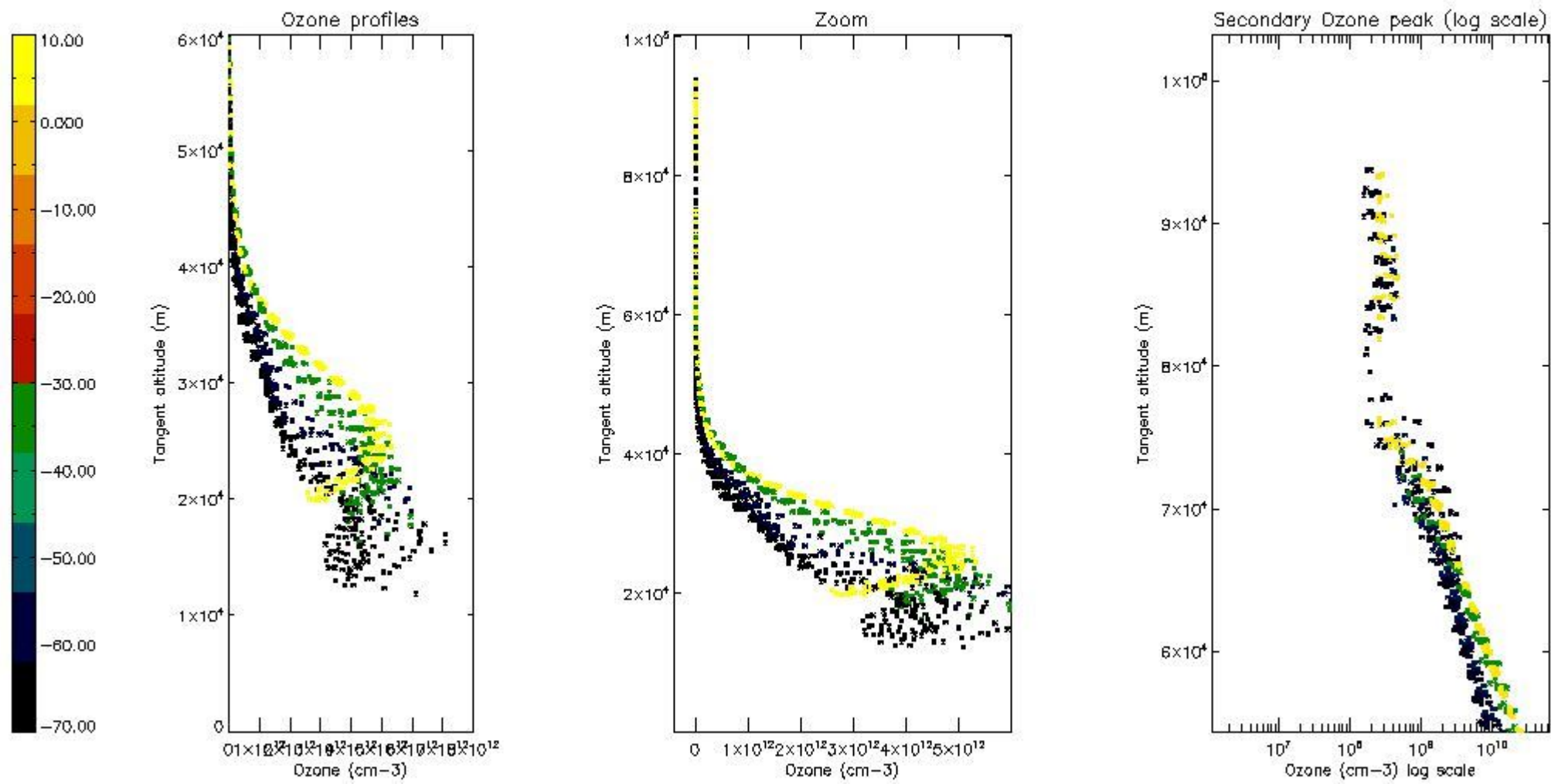
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



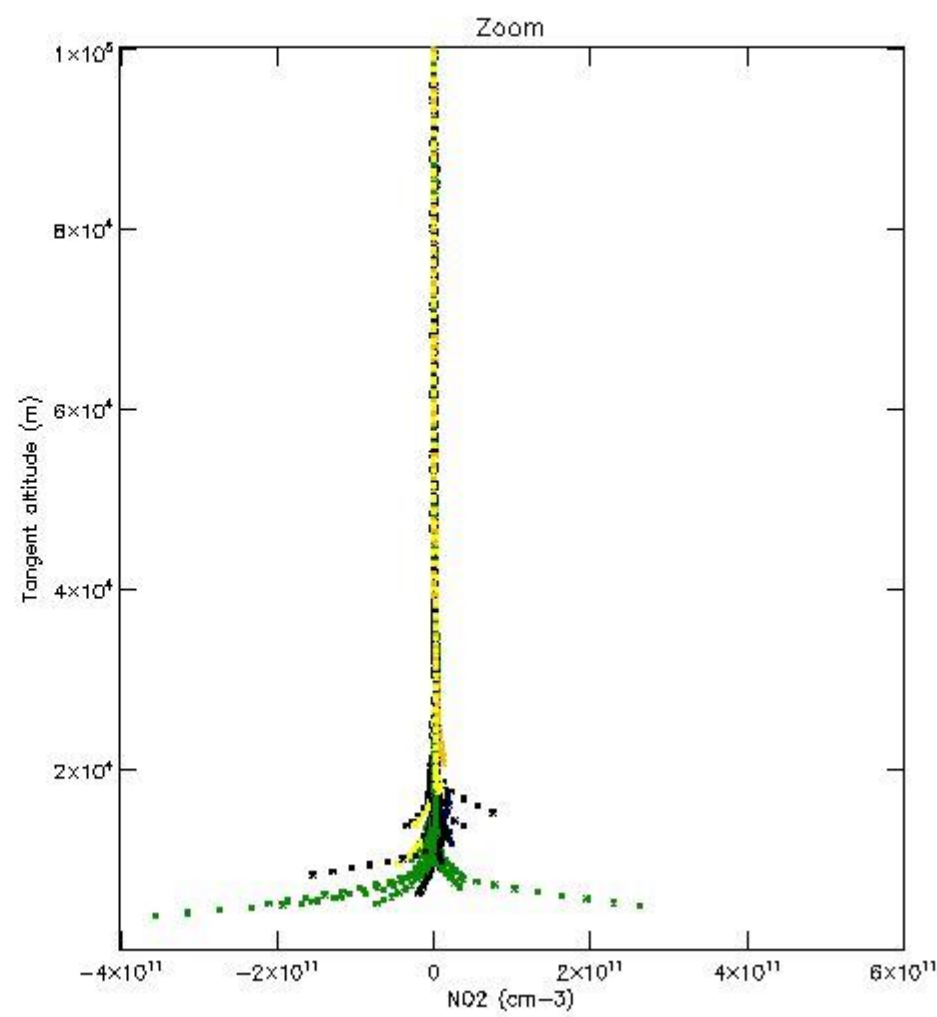
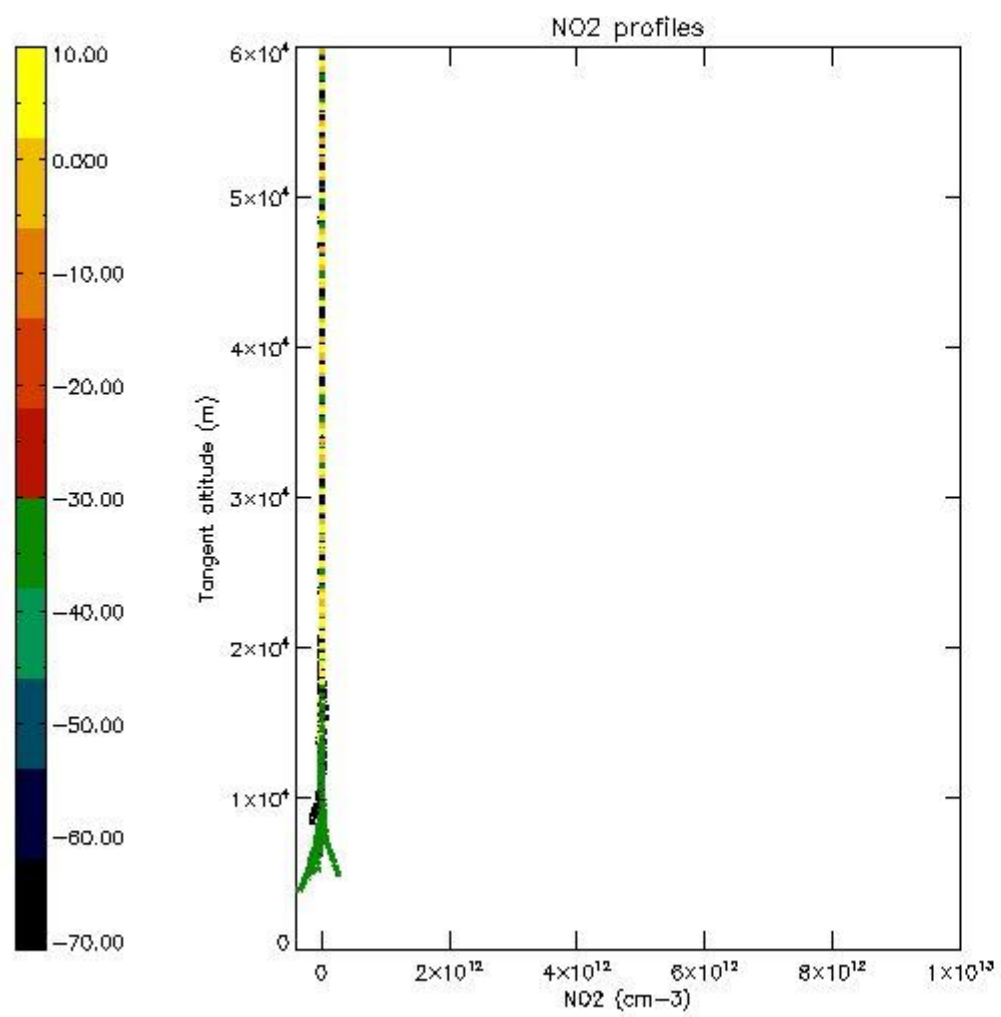
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



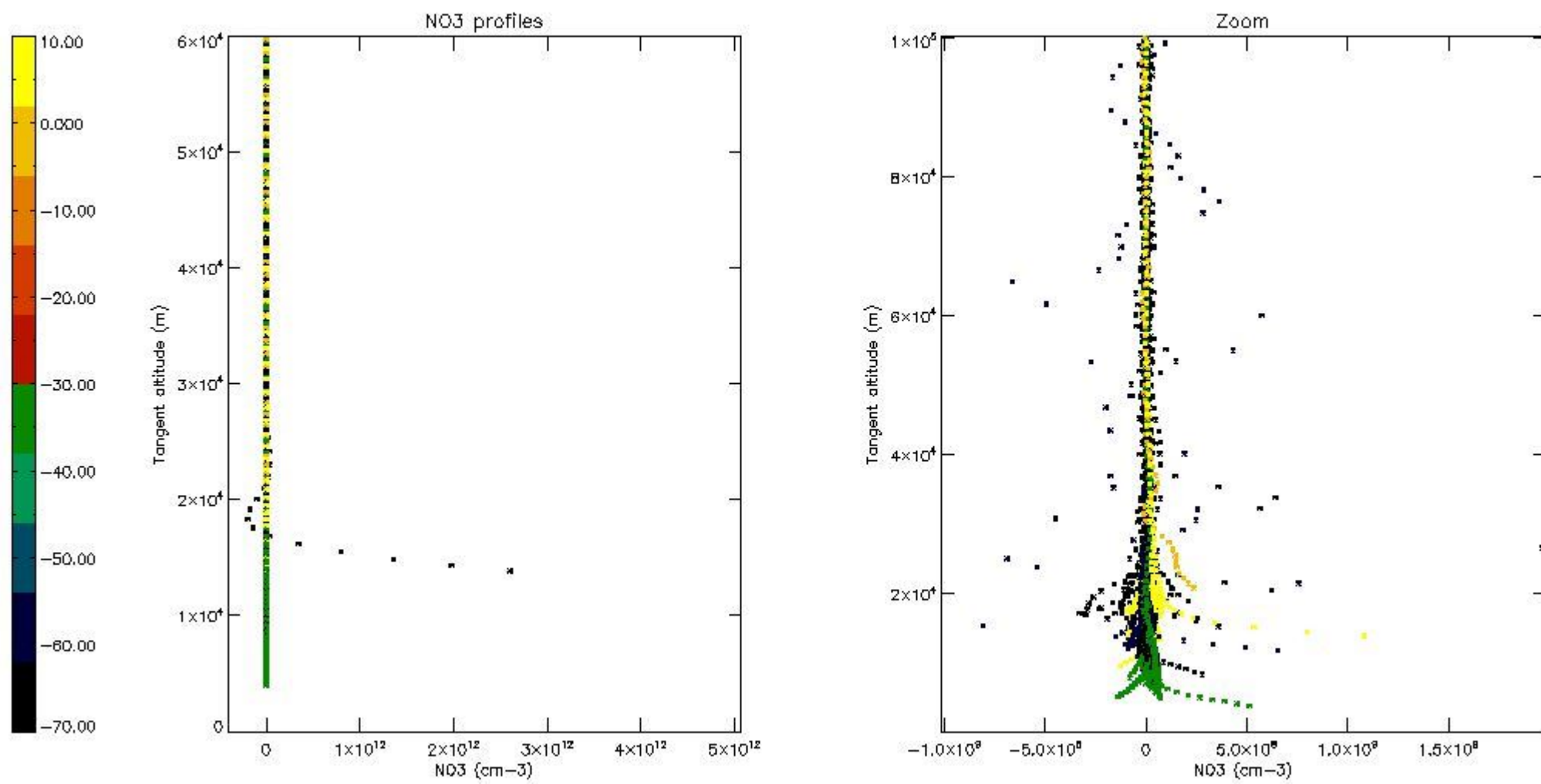
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



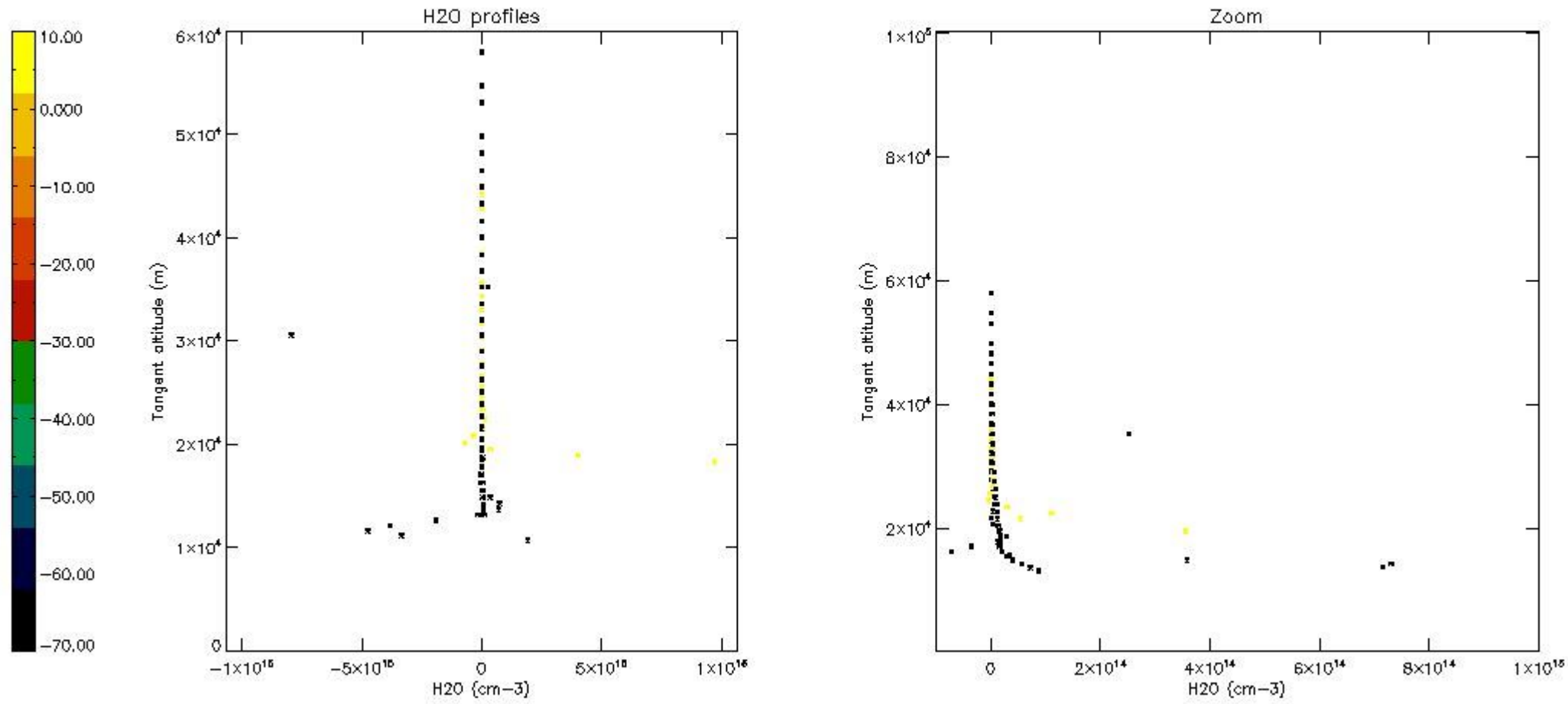
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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)

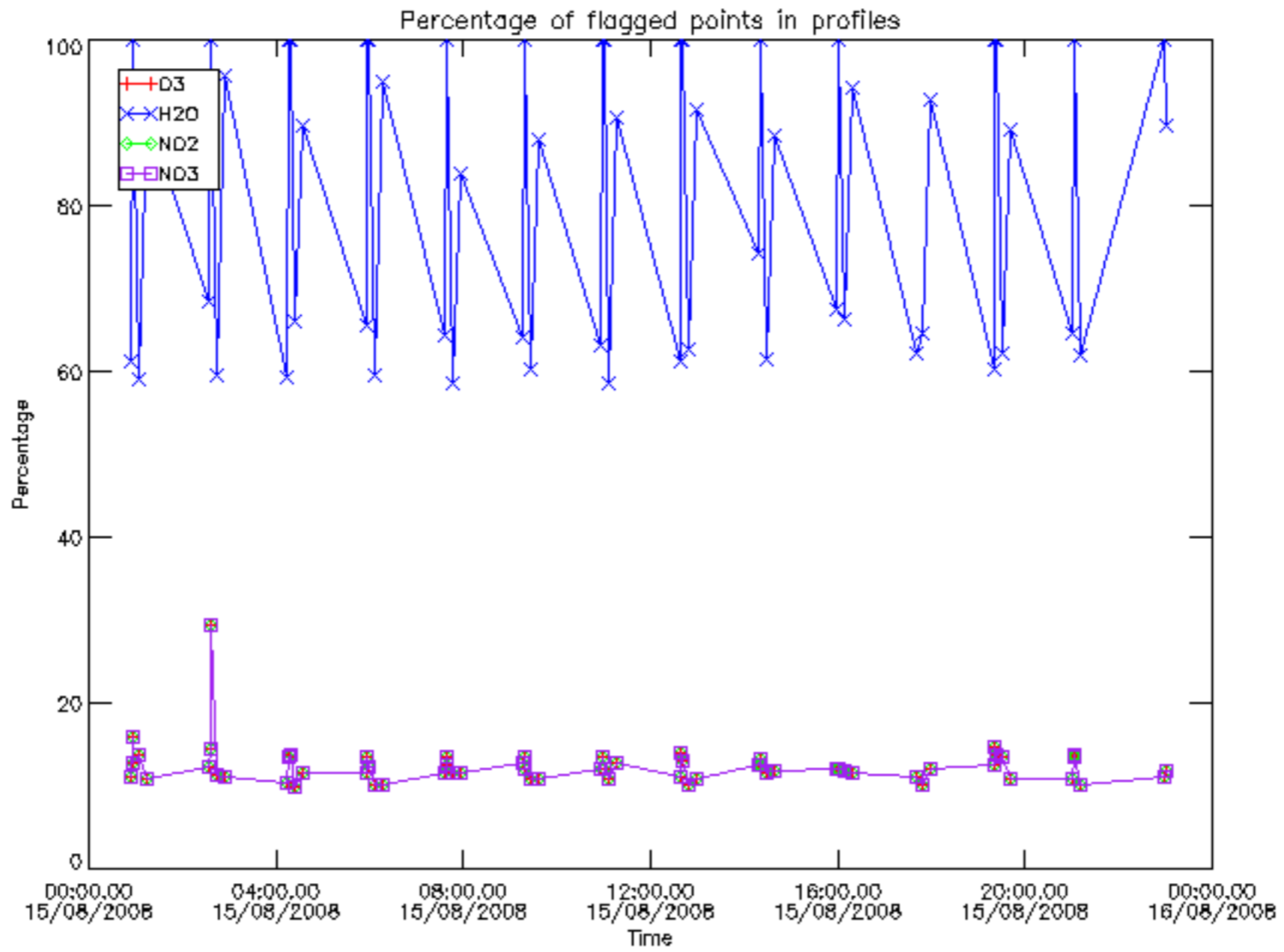
The colorbar represents the latitude.



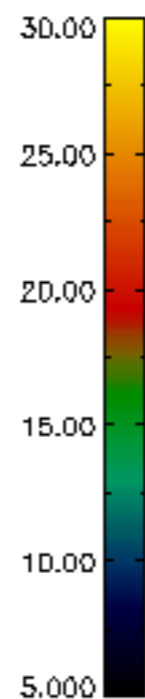
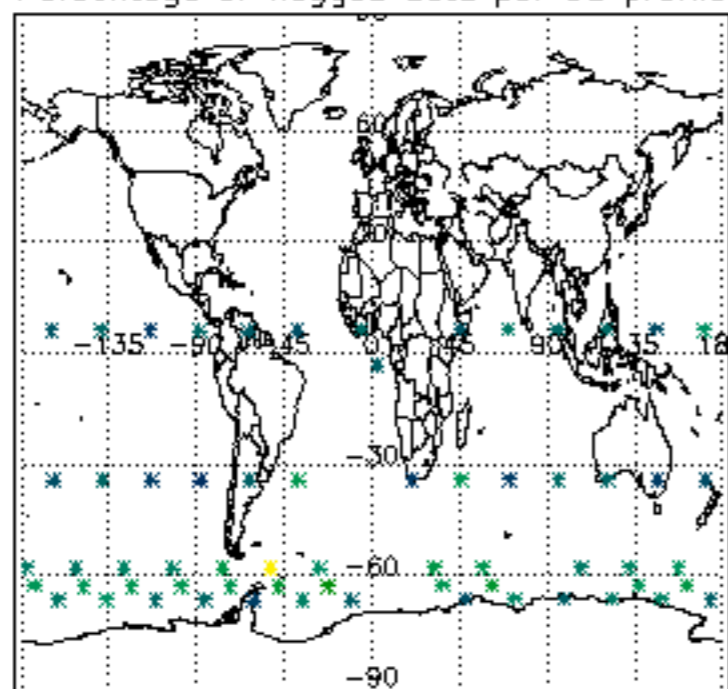
6. Auxiliary Data Files used for the production reported in section 2

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.

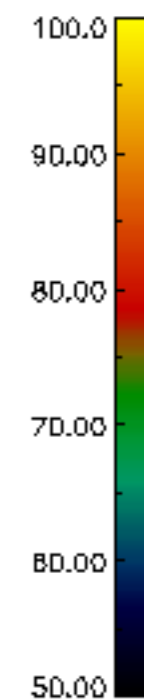
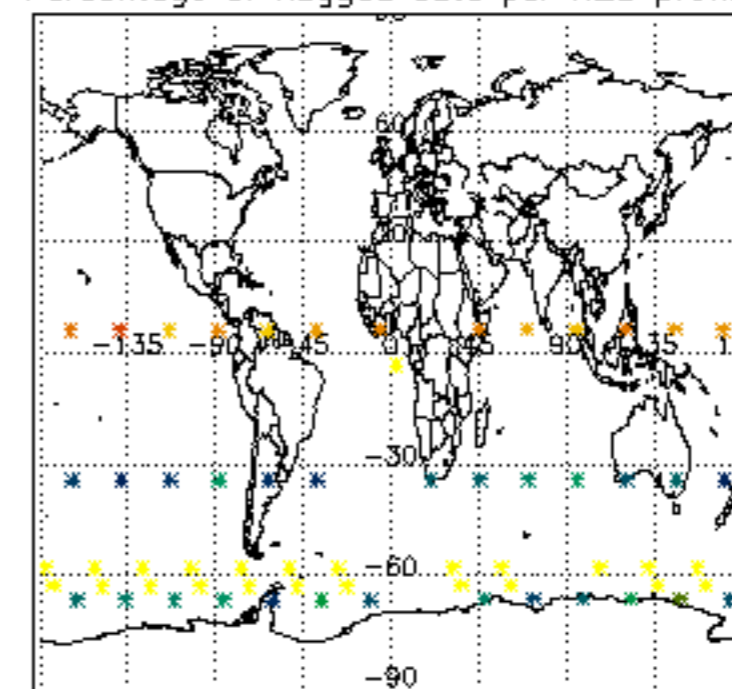
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	15-AUG-2008 00:00:08
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	15-AUG-2008 00:00:08
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	15-AUG-2008 00:00:08



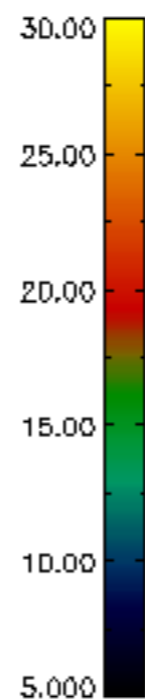
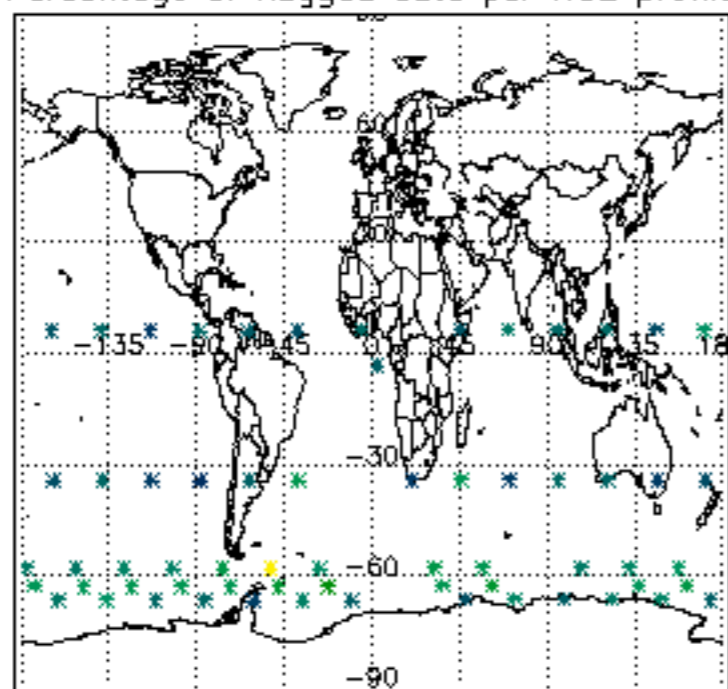
Percentage of flagged data per D3 profile



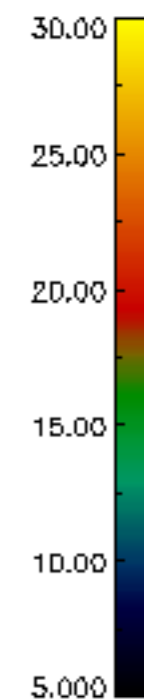
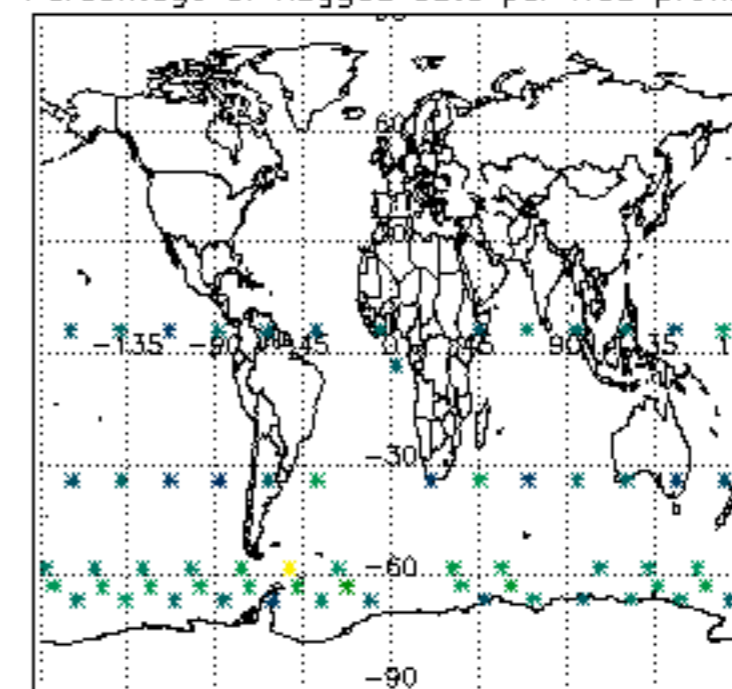
Percentage of flagged data per H2O profile

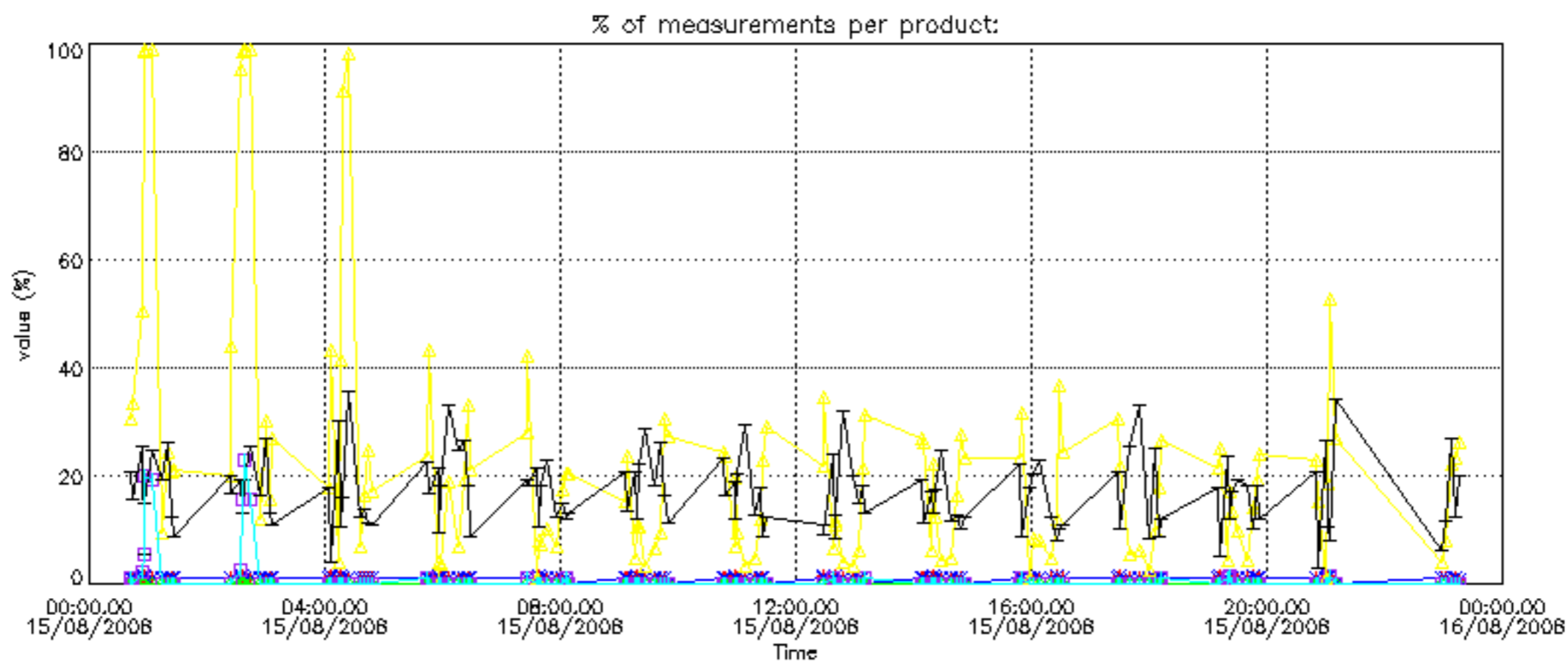


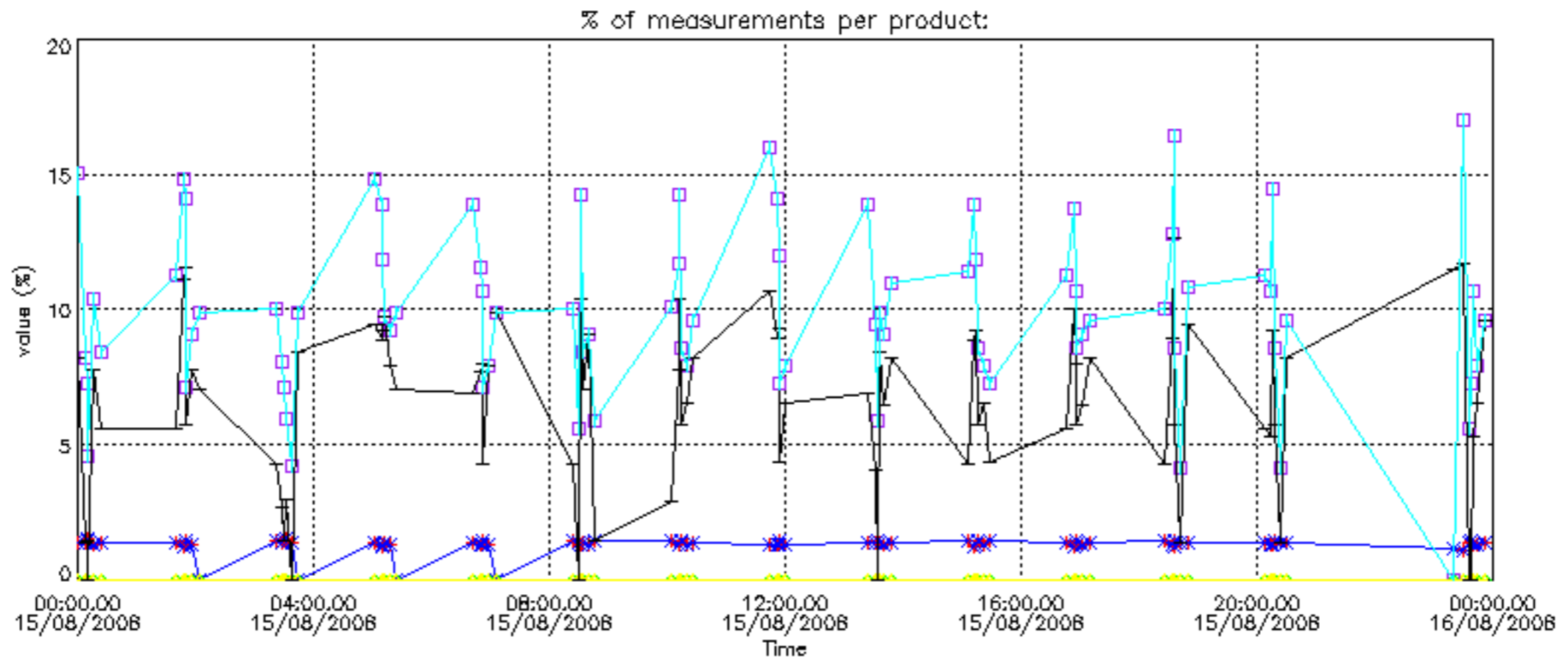
Percentage of flagged data per NO2 profile



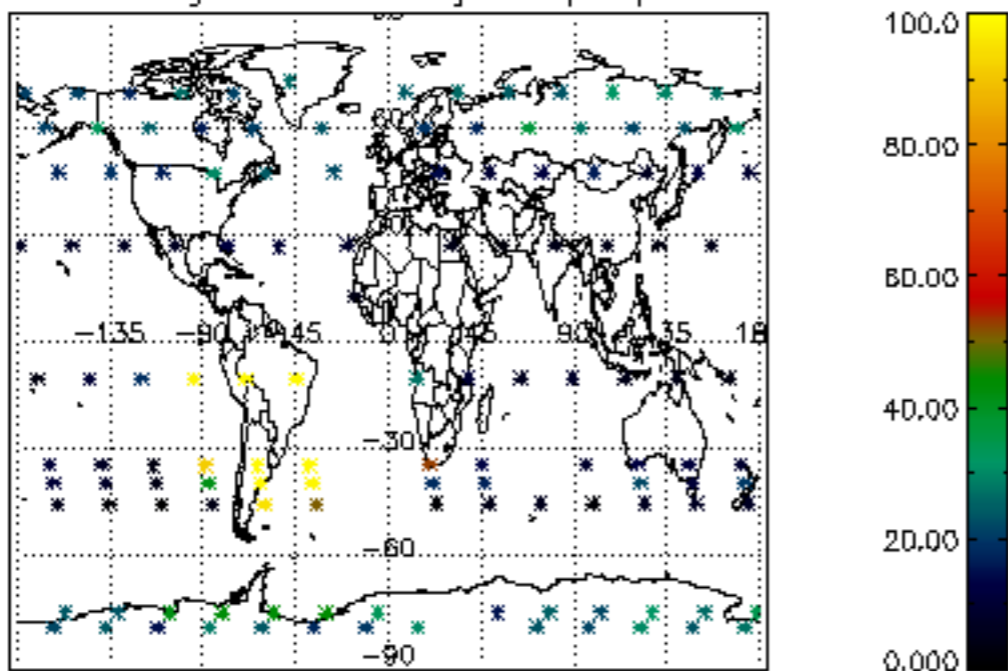
Percentage of flagged data per NO3 profile



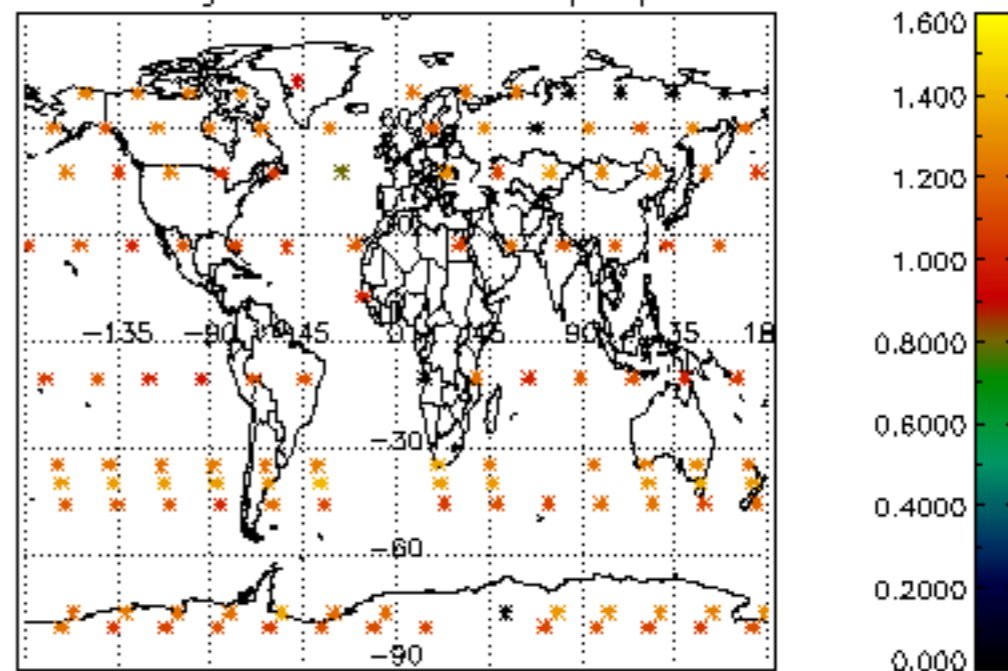




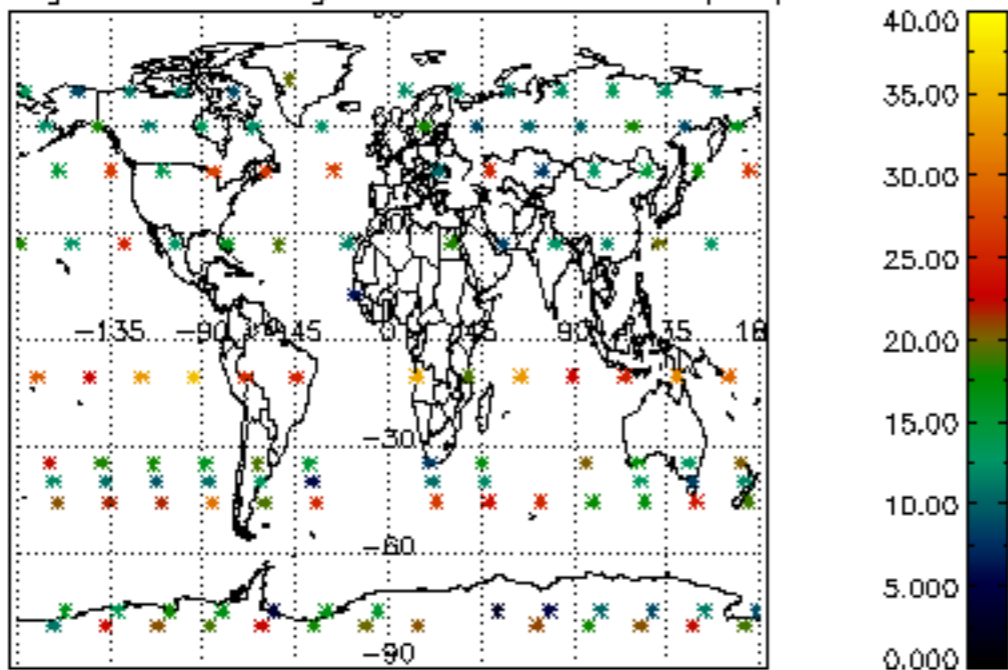
Percentage of cosmic ray hits per profile



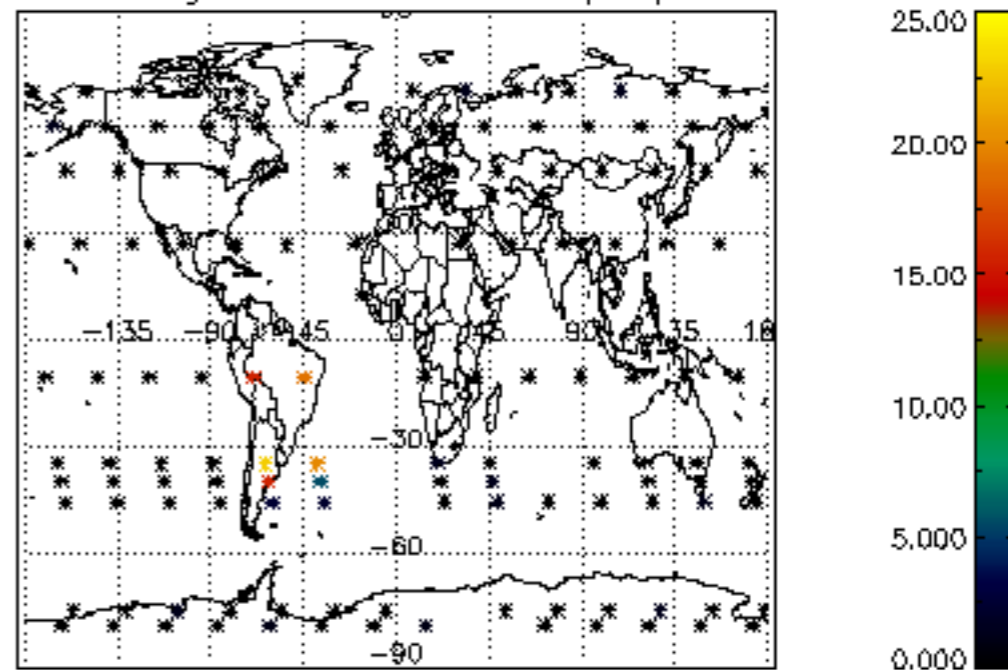
Percentage of datation errors per profile



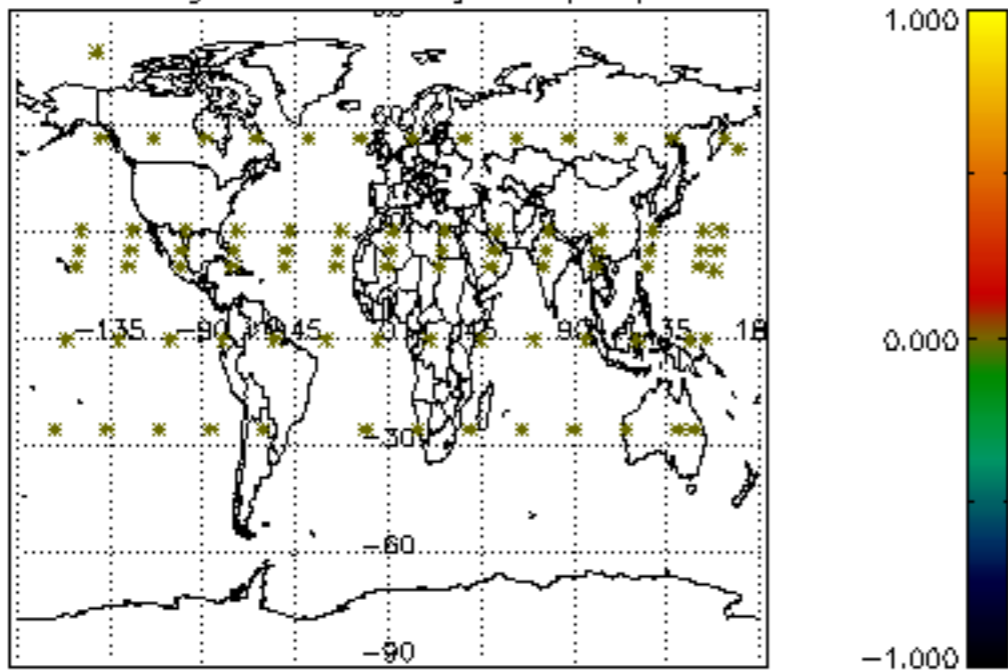
Percentage of star falling outside central band per profile



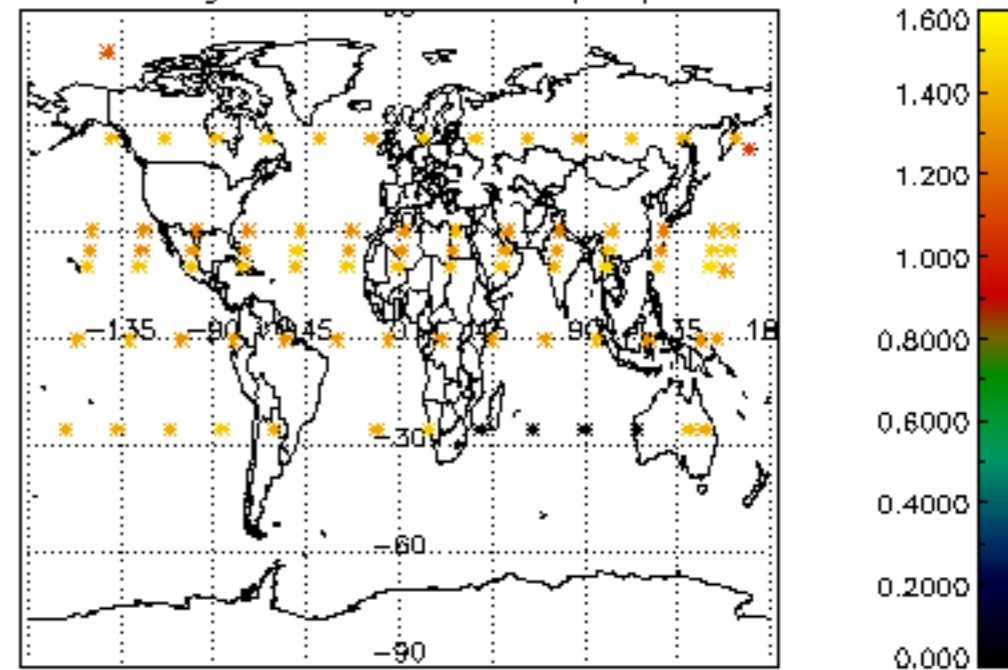
Percentage of saturation errors per profile



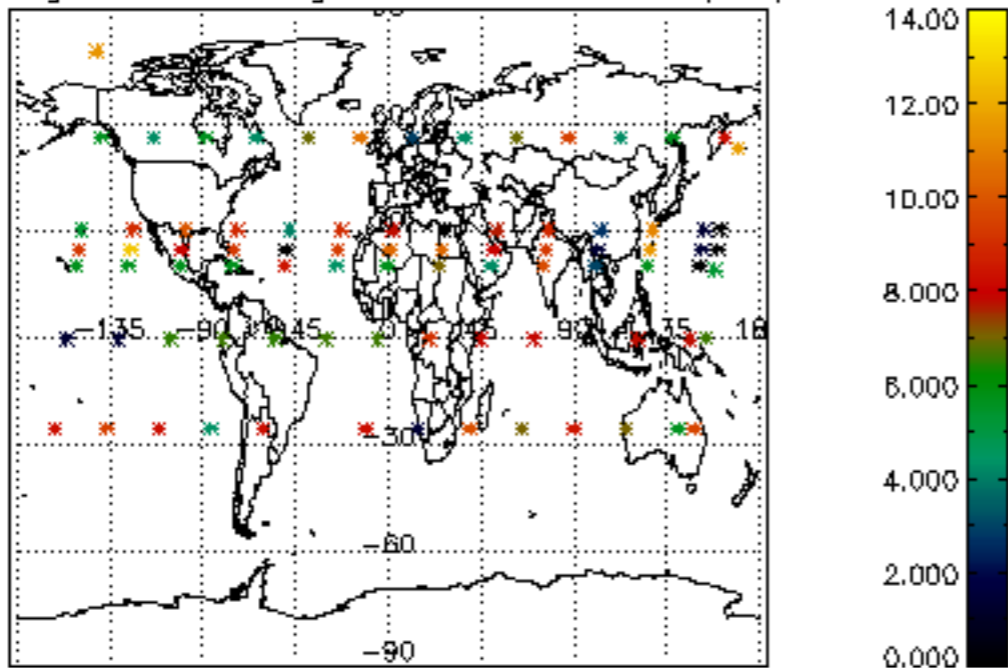
Percentage of cosmic ray hits per profile



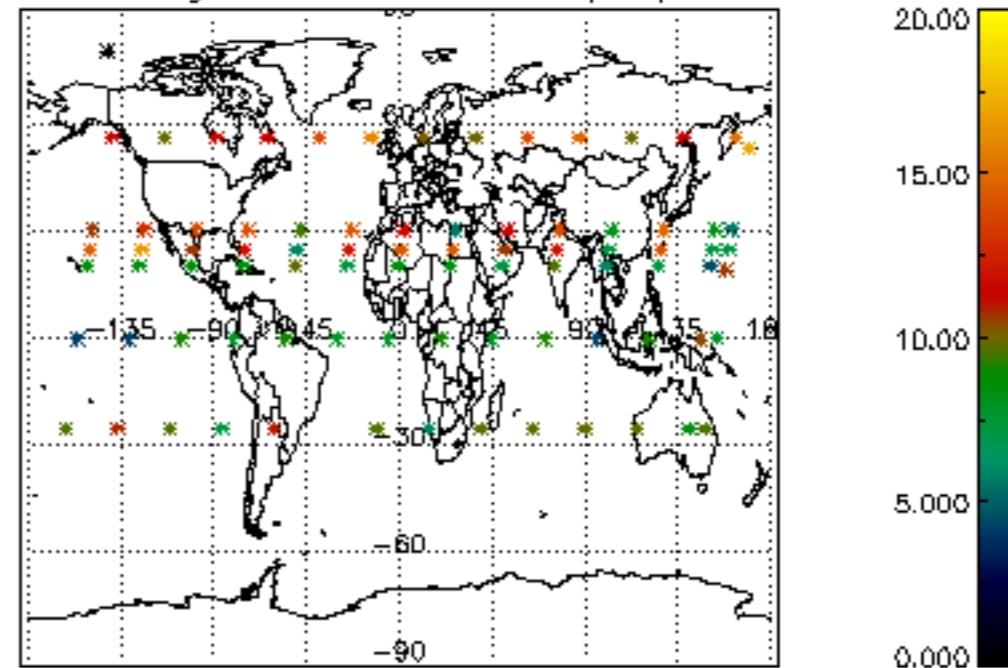
Percentage of datation errors per profile

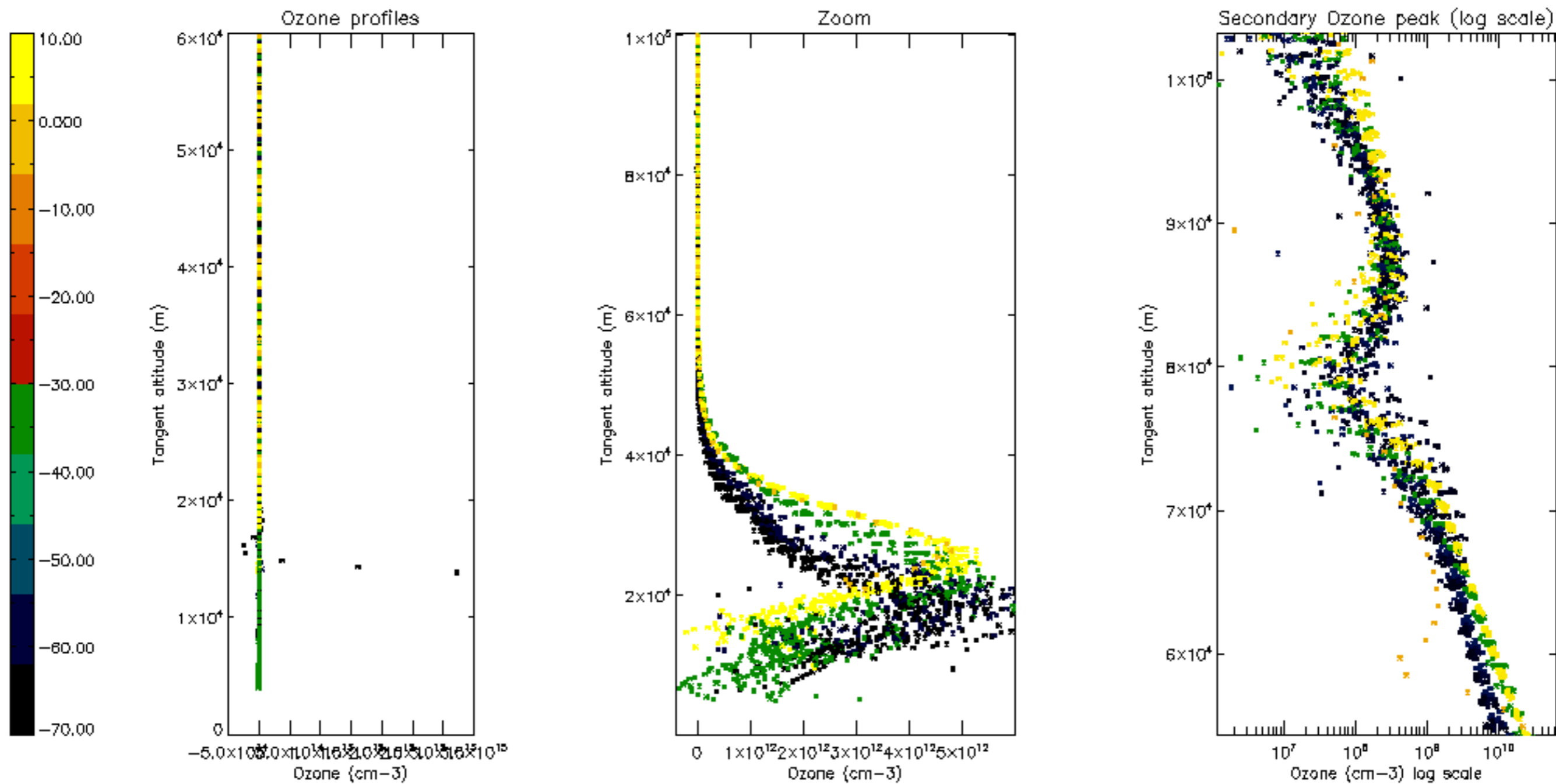


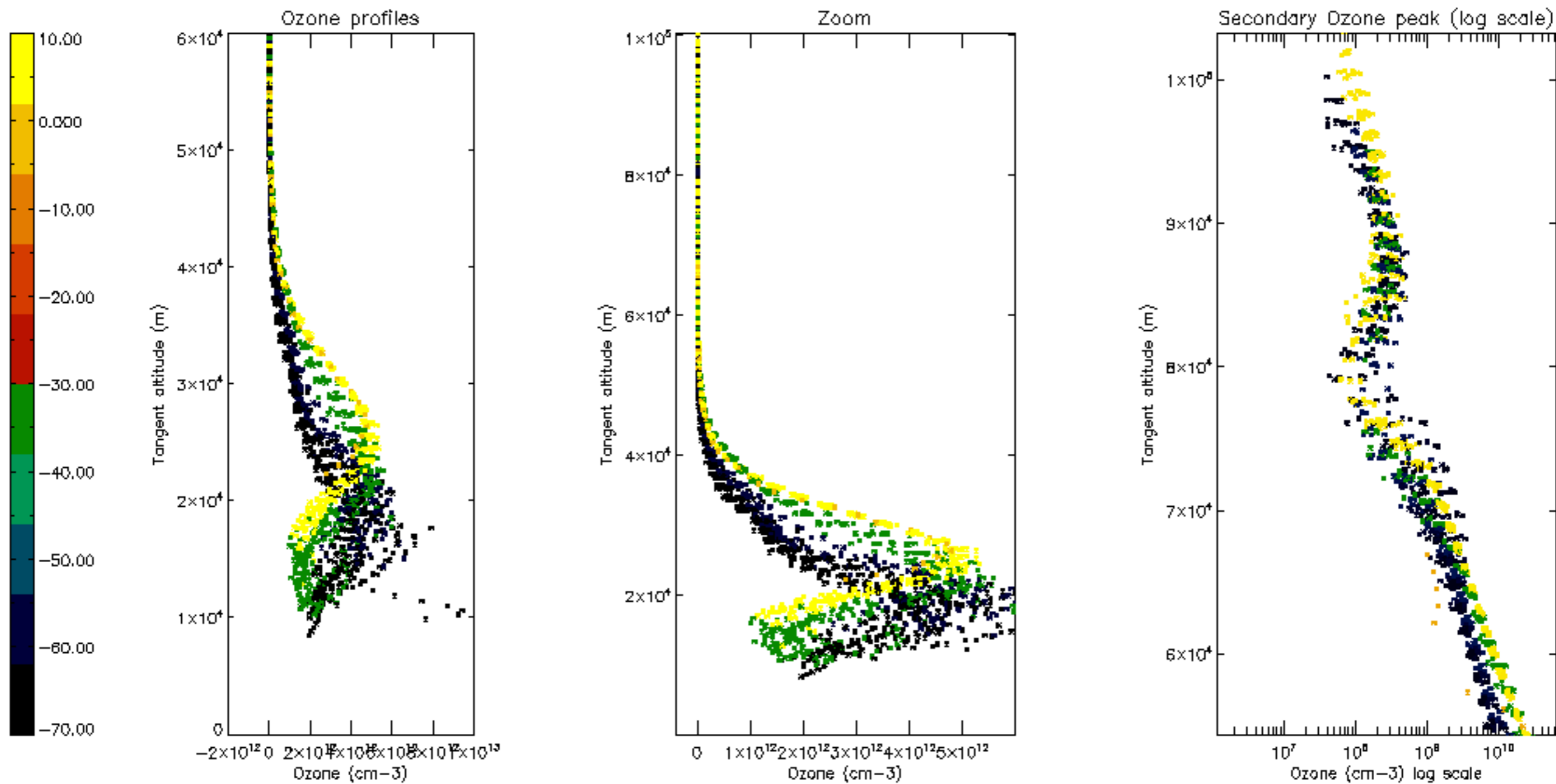
Percentage of star falling outside central band per profile

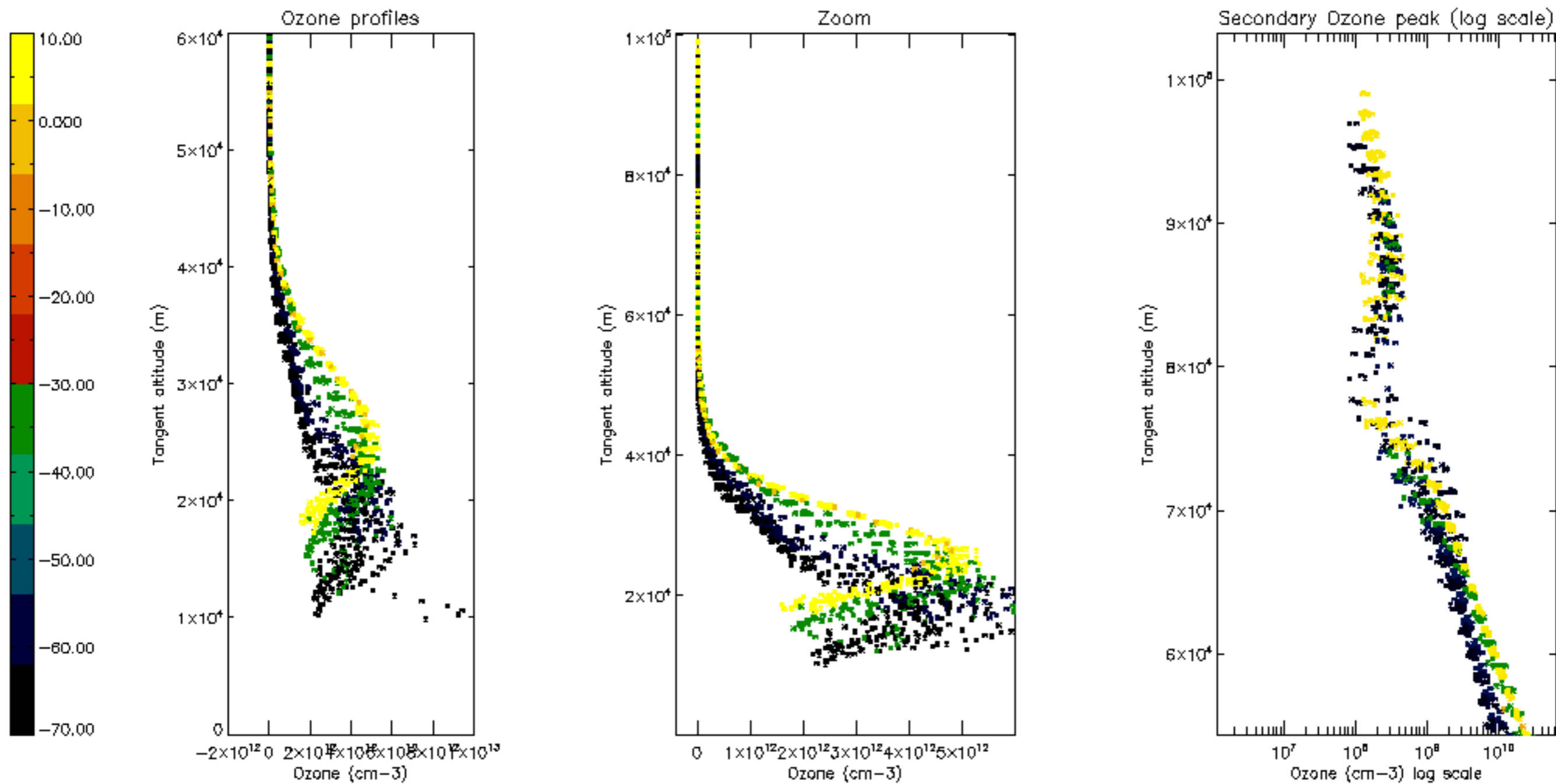


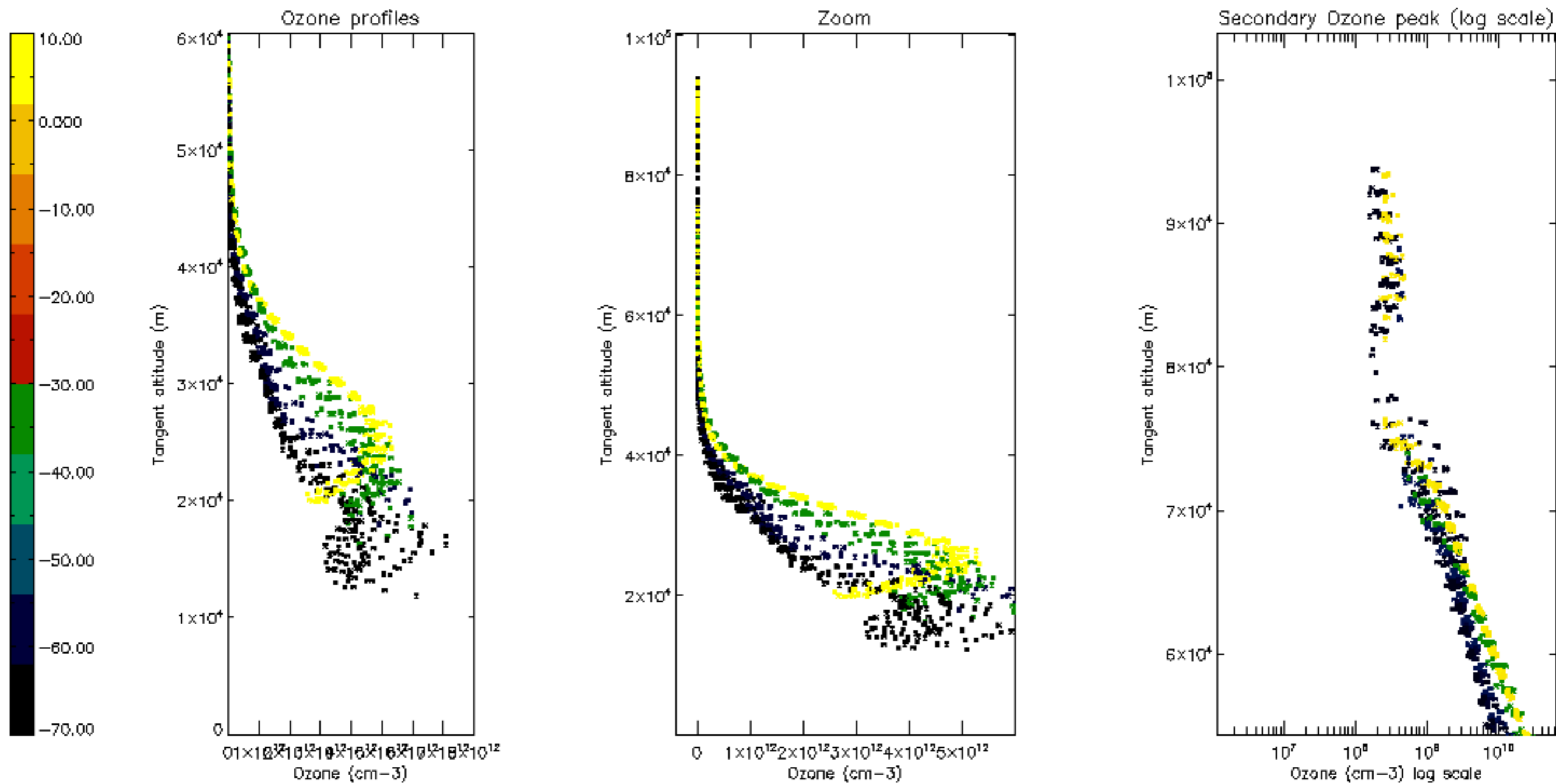
Percentage of saturation errors per profile

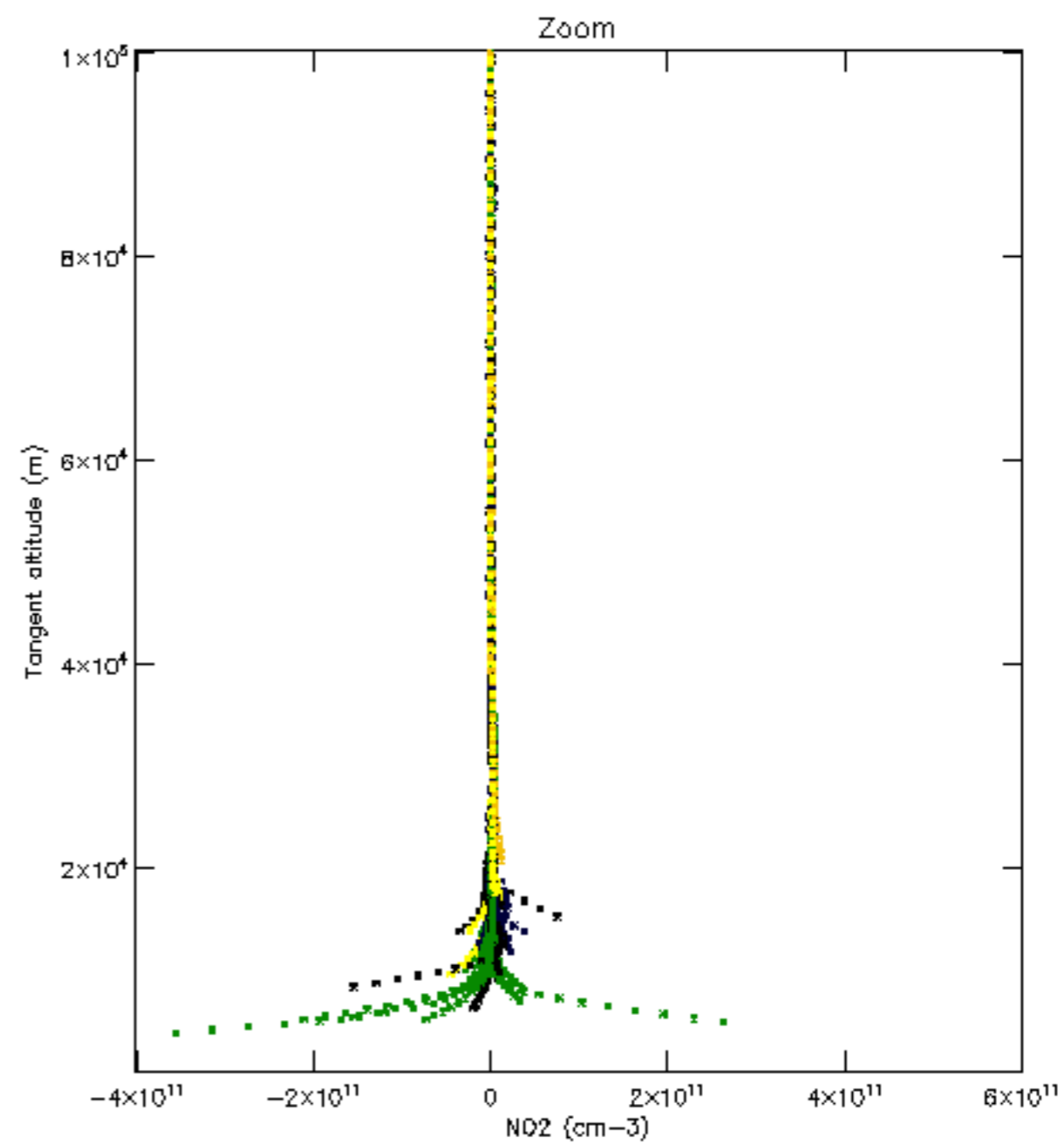
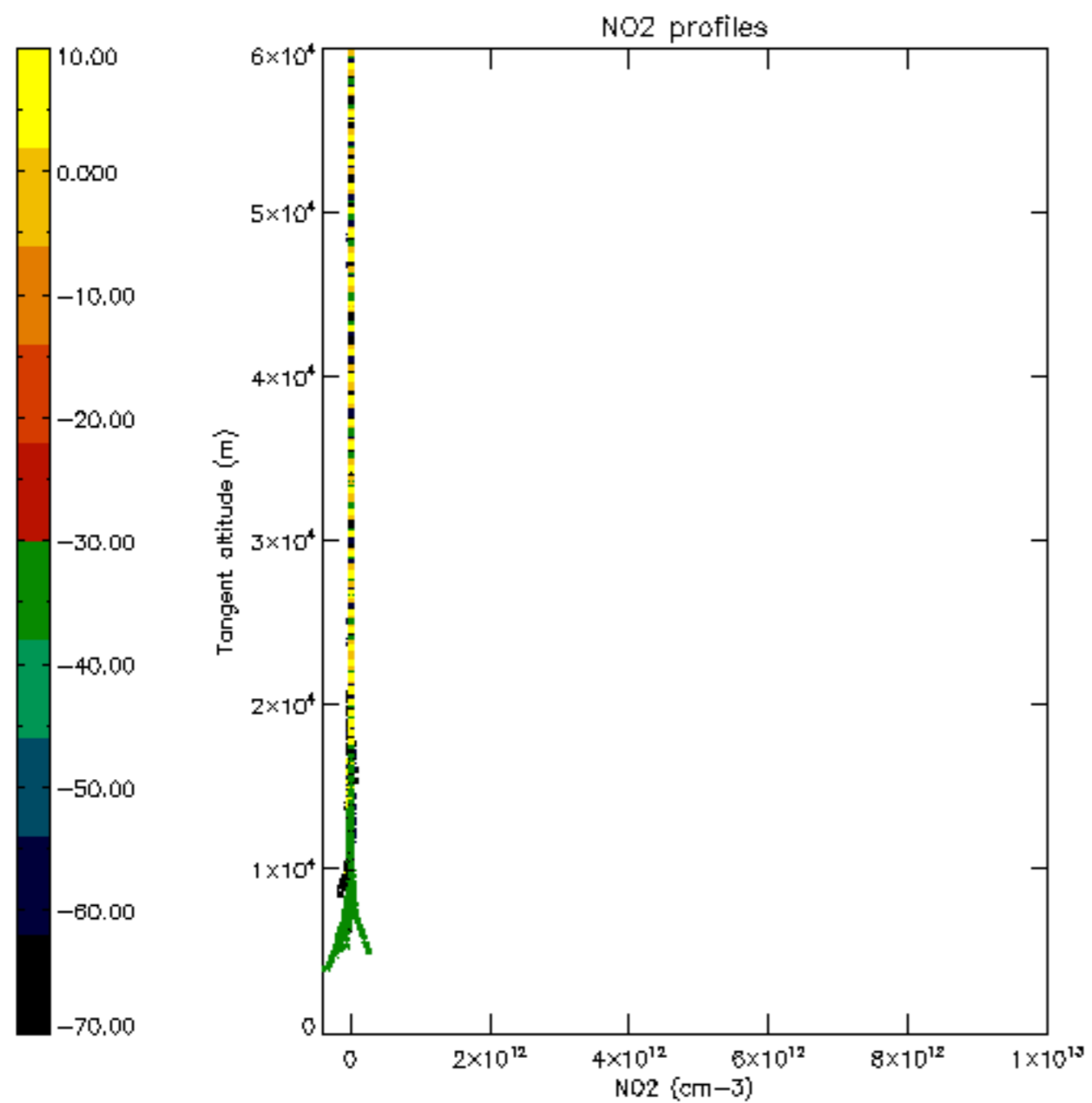


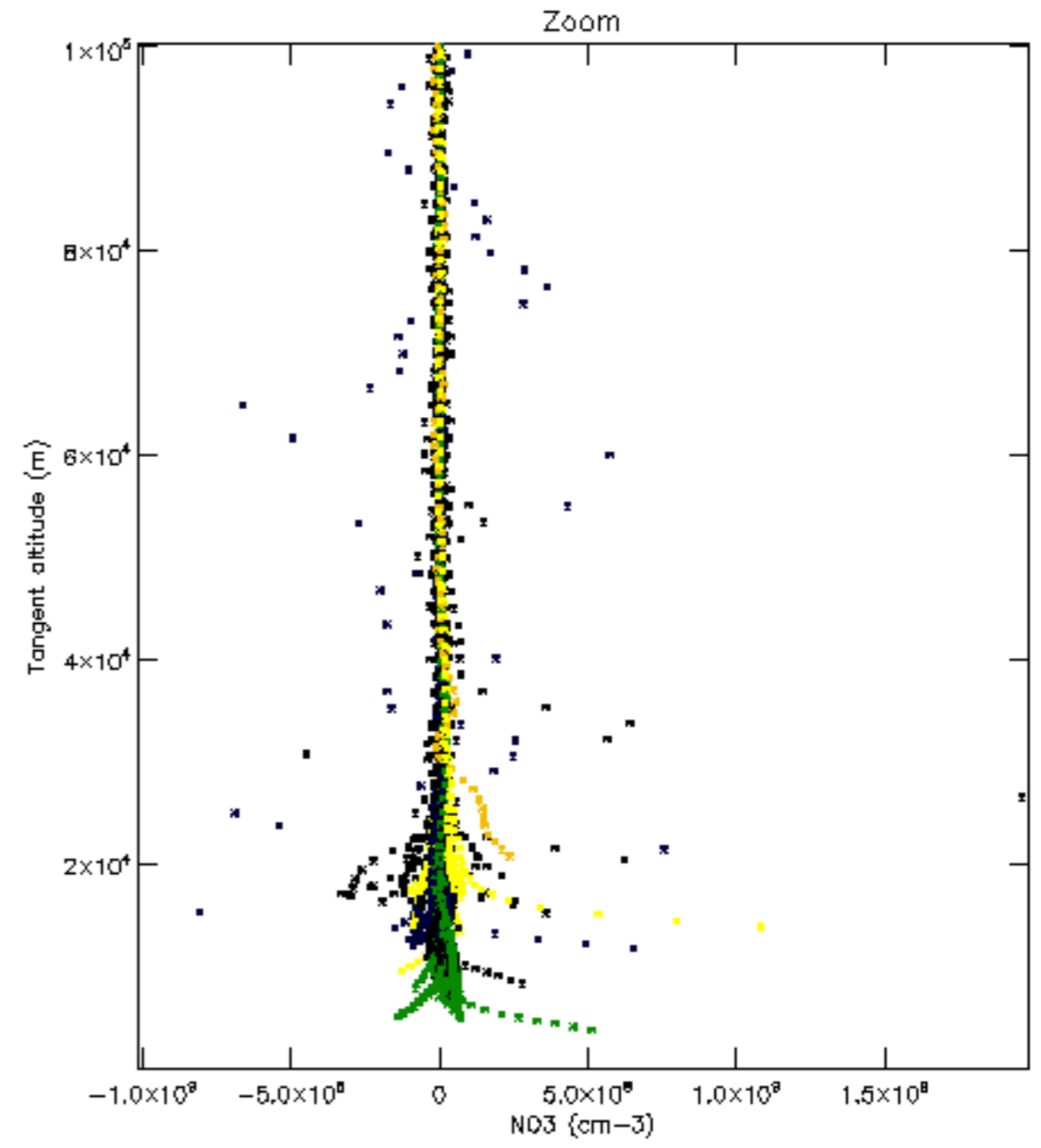
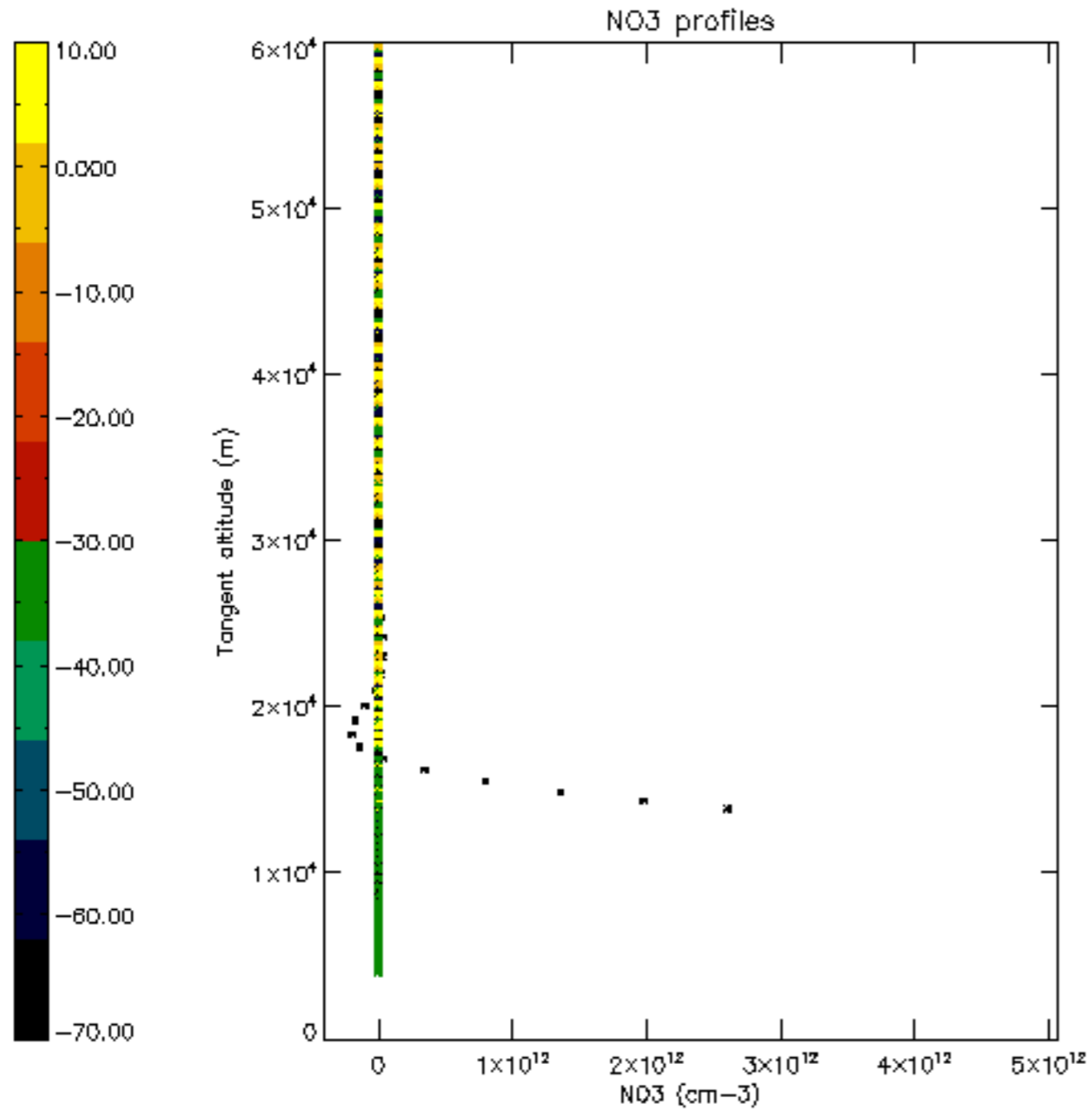


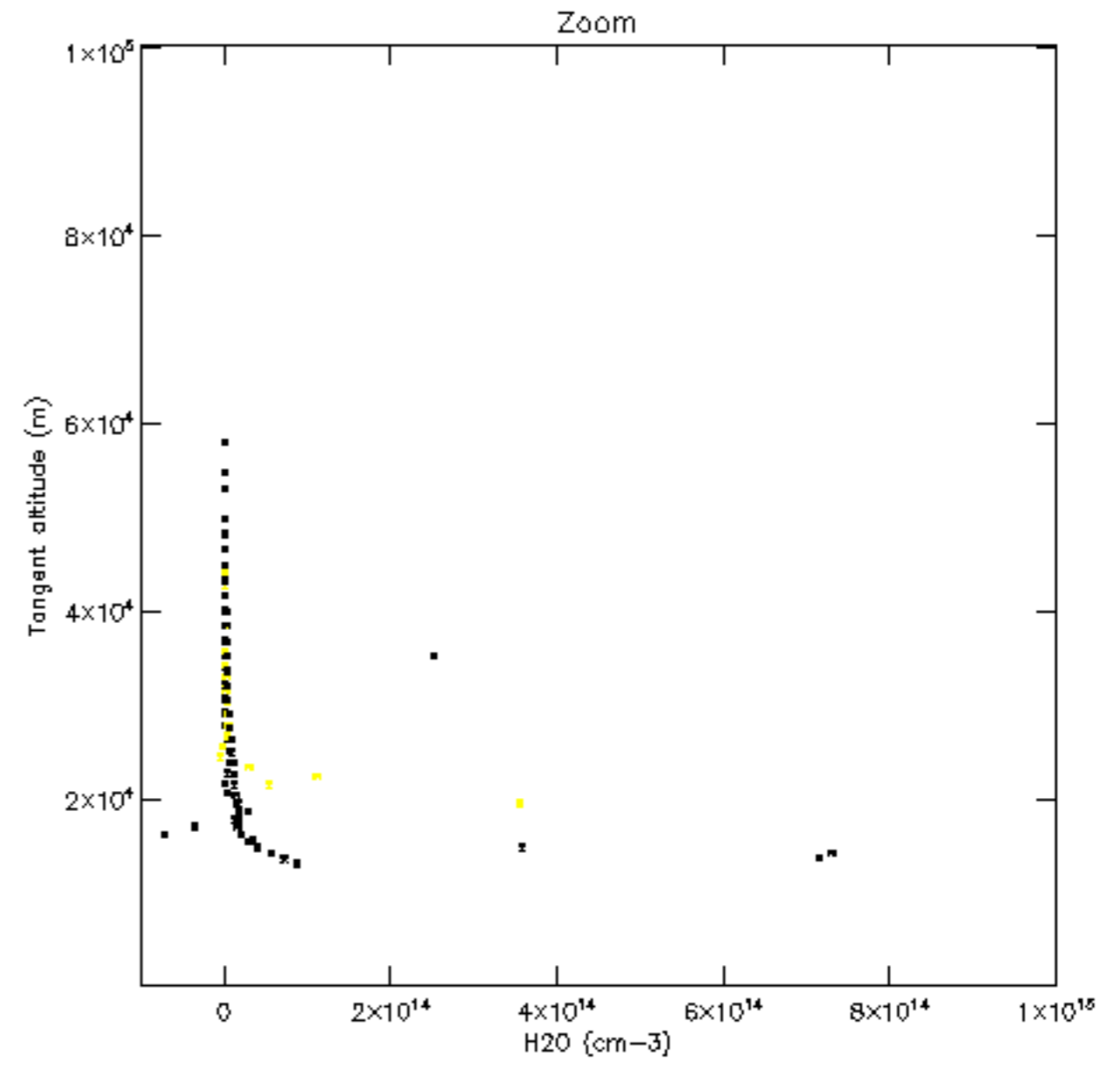
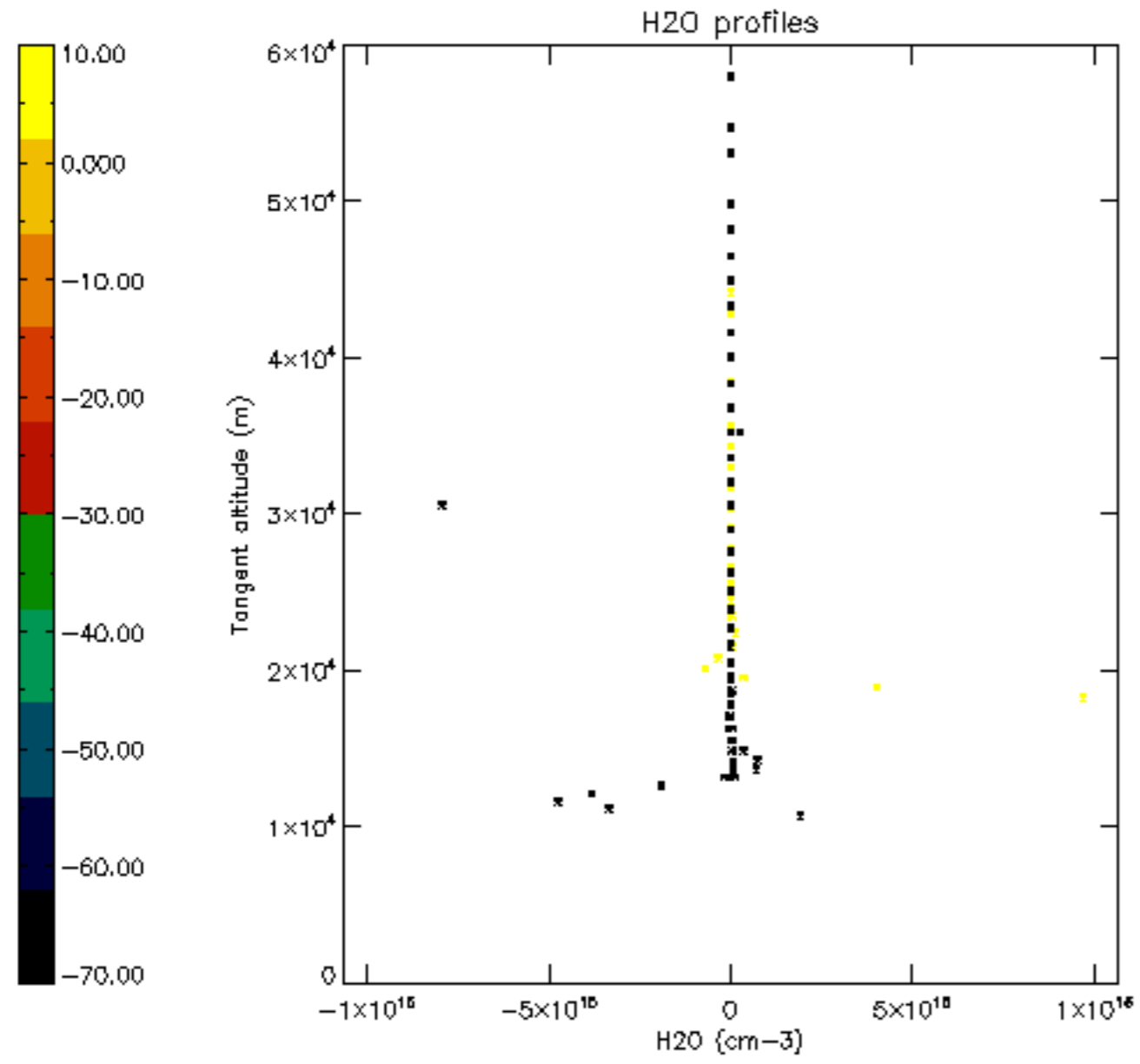


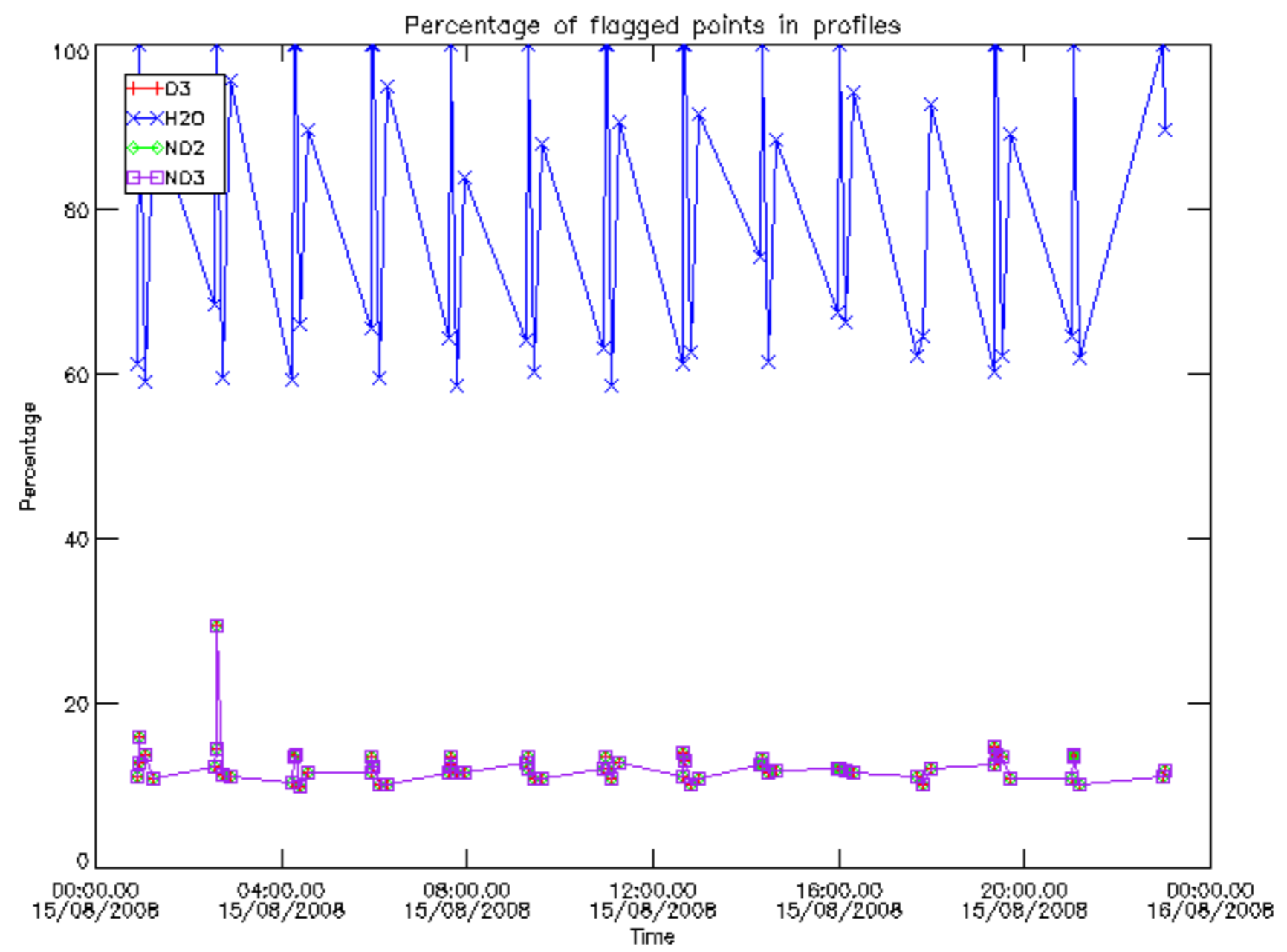




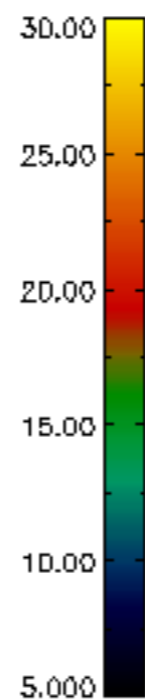
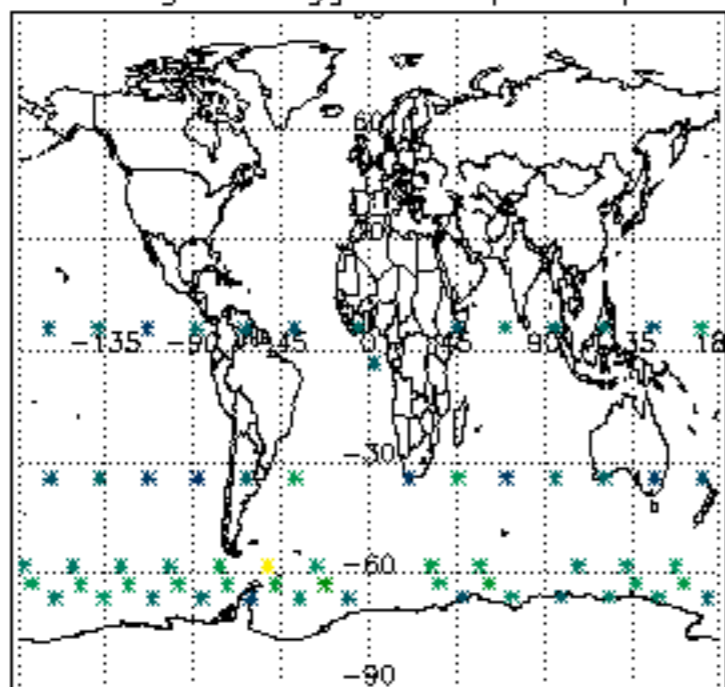




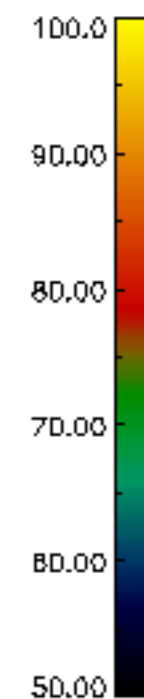
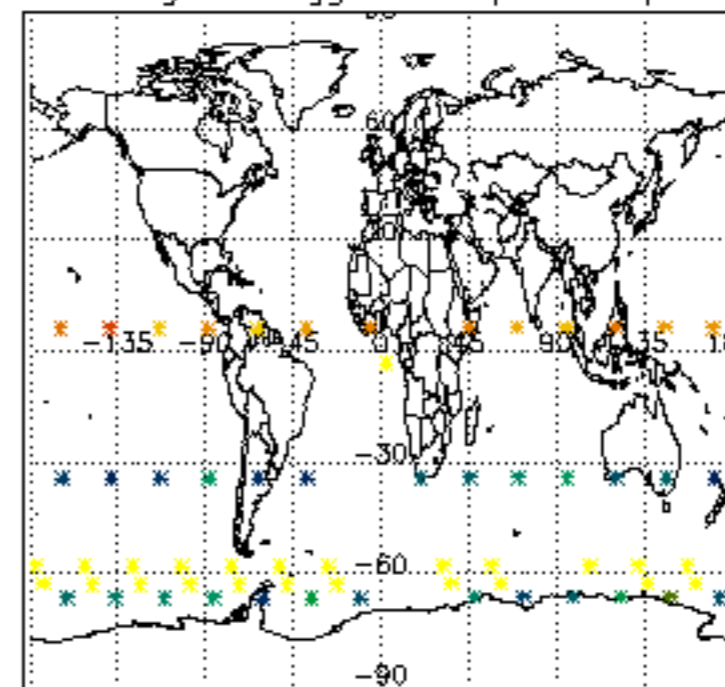




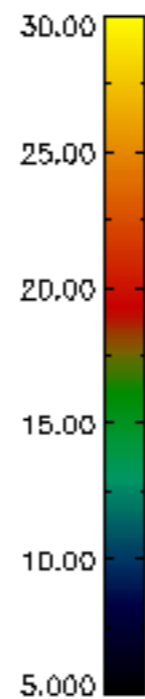
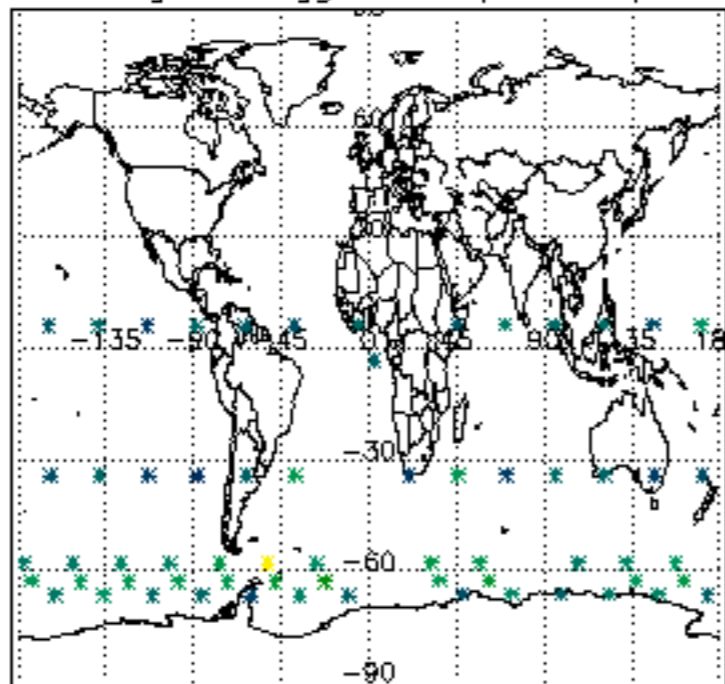
Percentage of flagged data per D3 profile



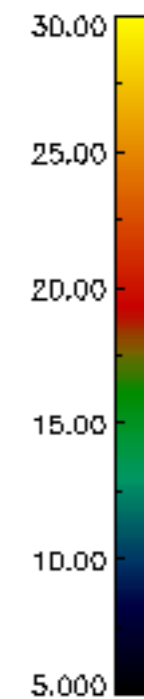
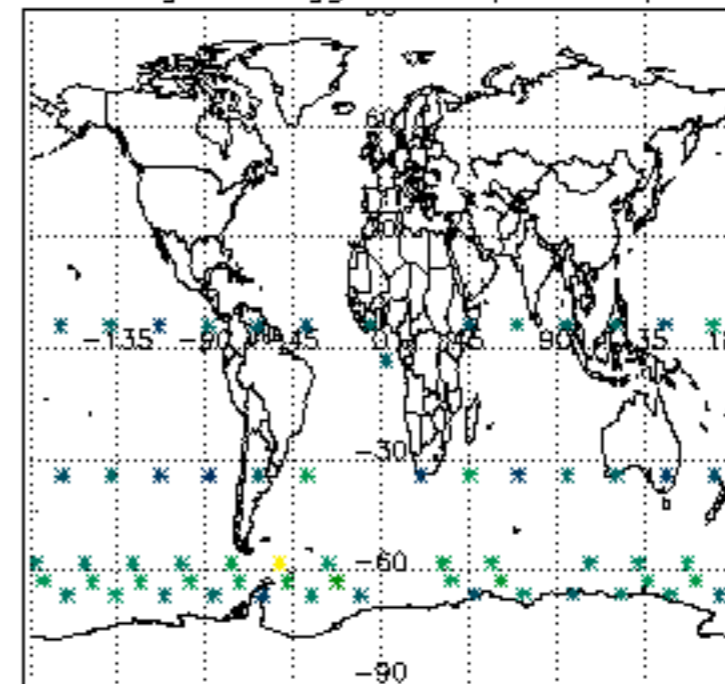
Percentage of flagged data per H2O profile

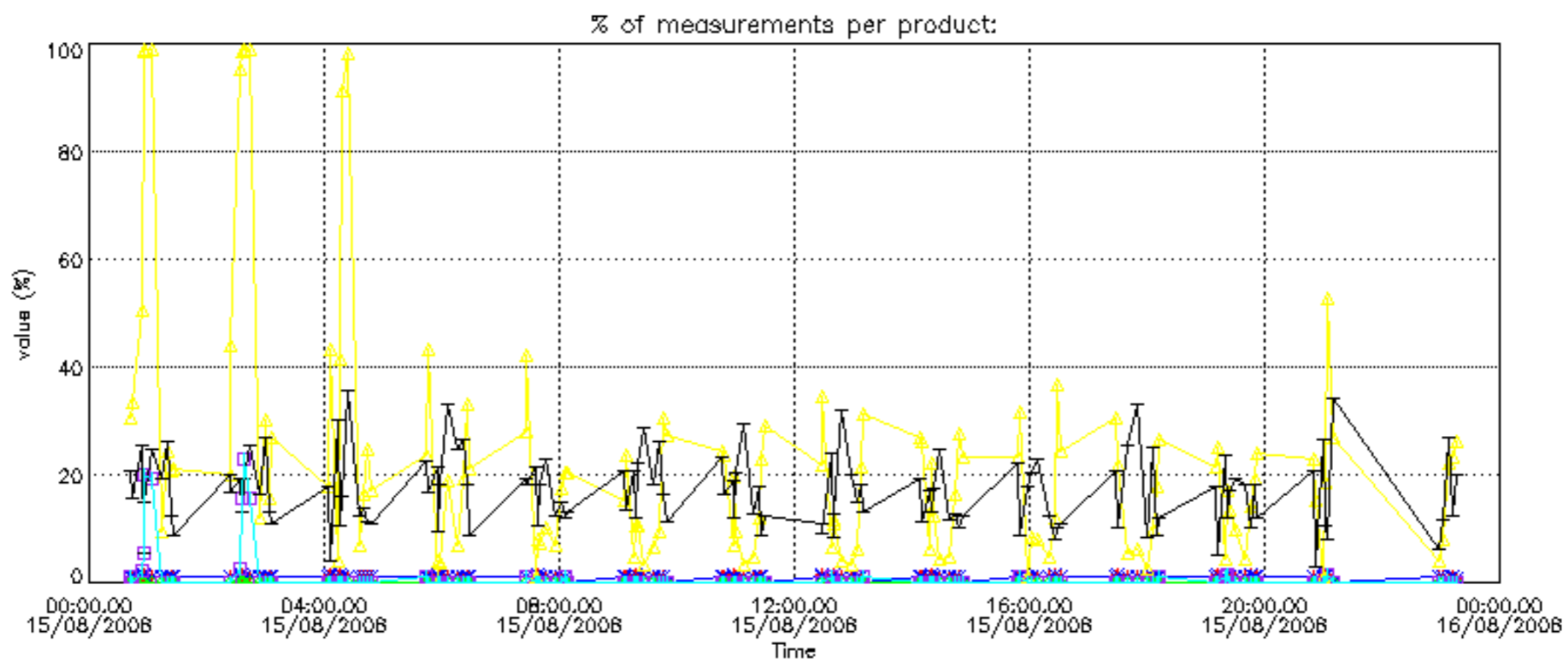


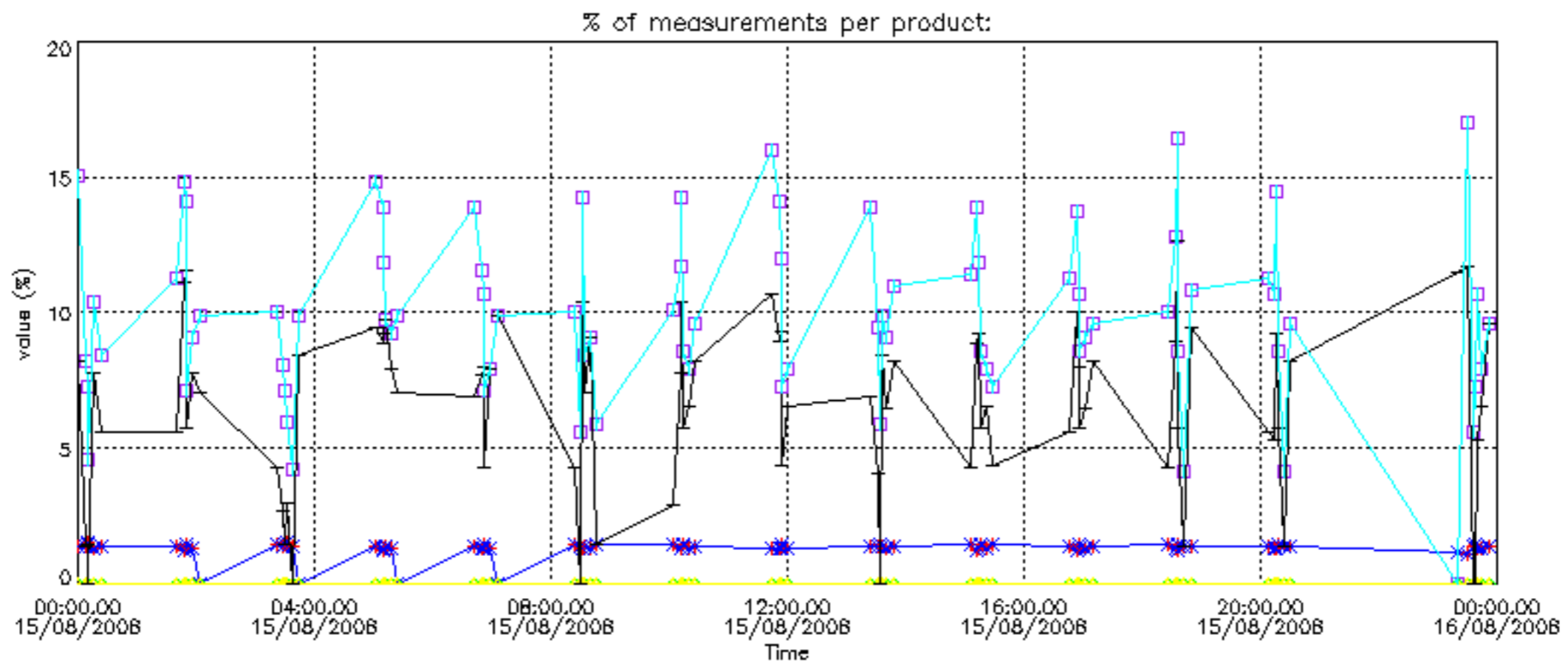
Percentage of flagged data per NO2 profile



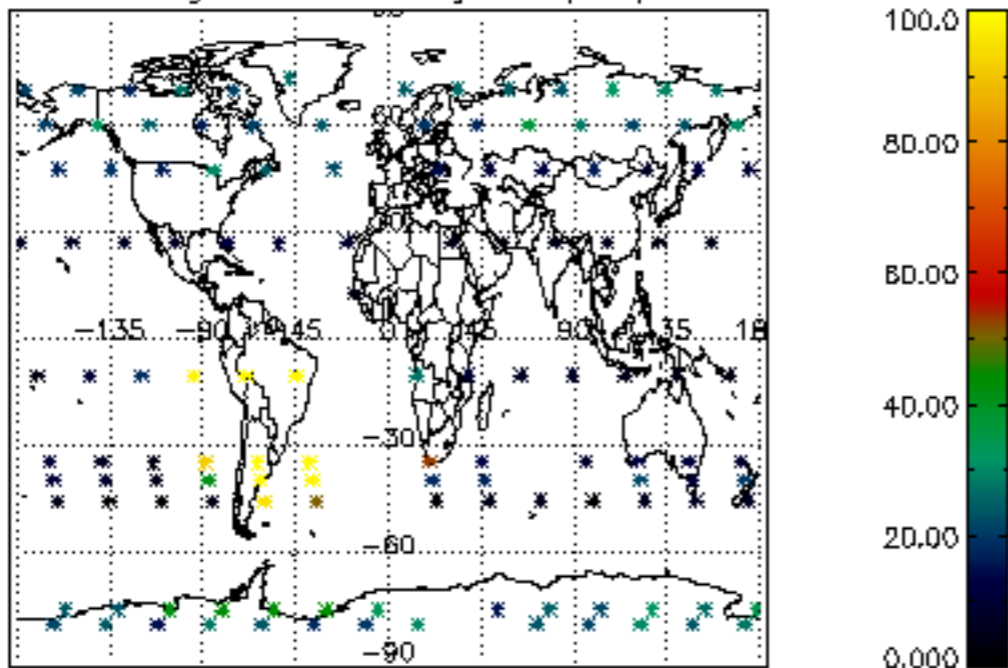
Percentage of flagged data per NO3 profile



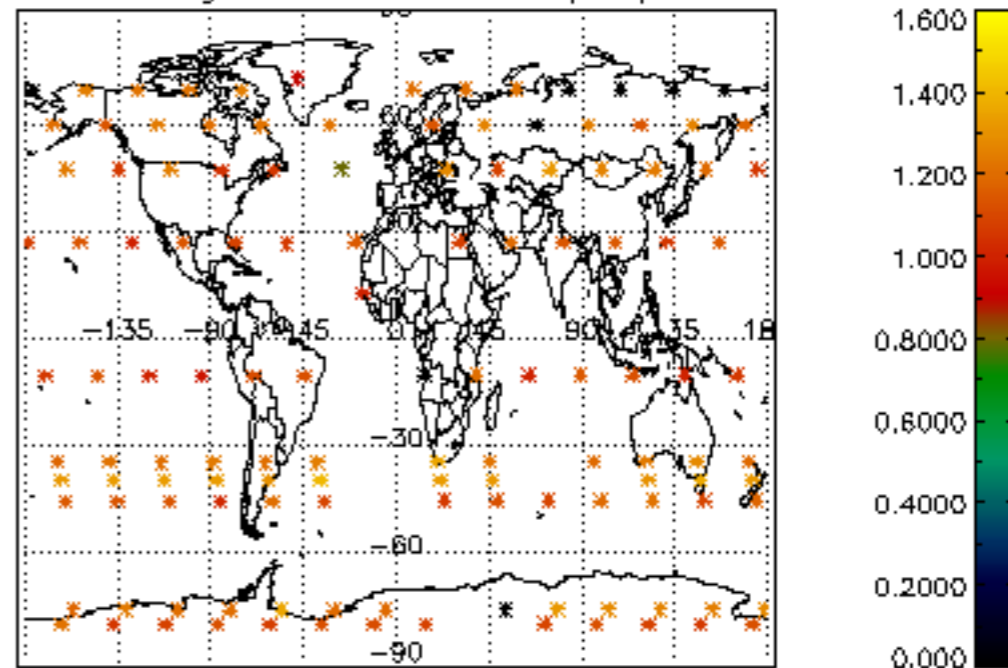




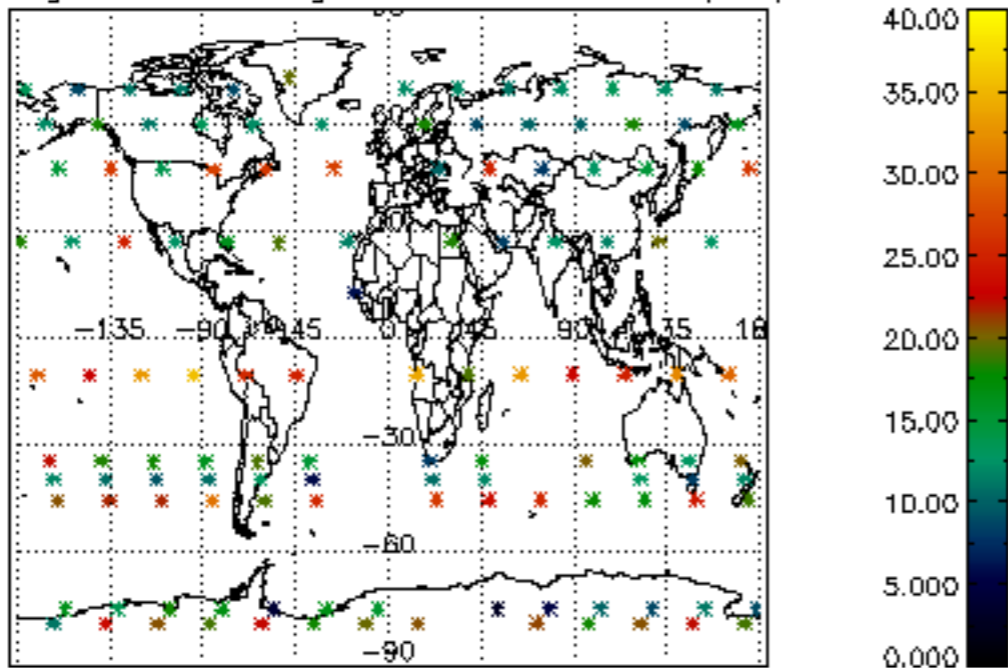
Percentage of cosmic ray hits per profile



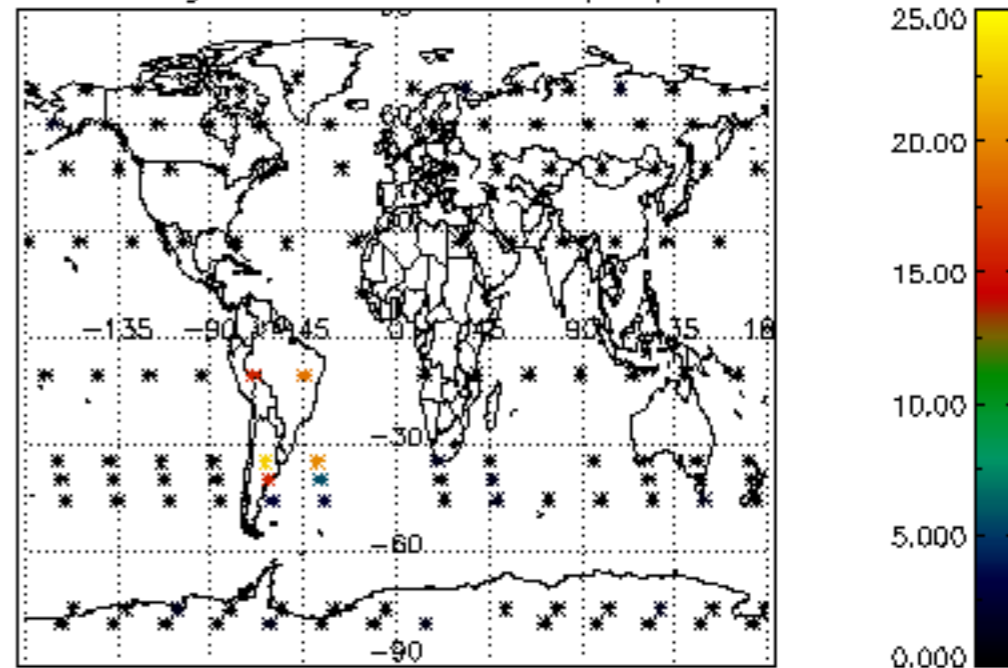
Percentage of datation errors per profile



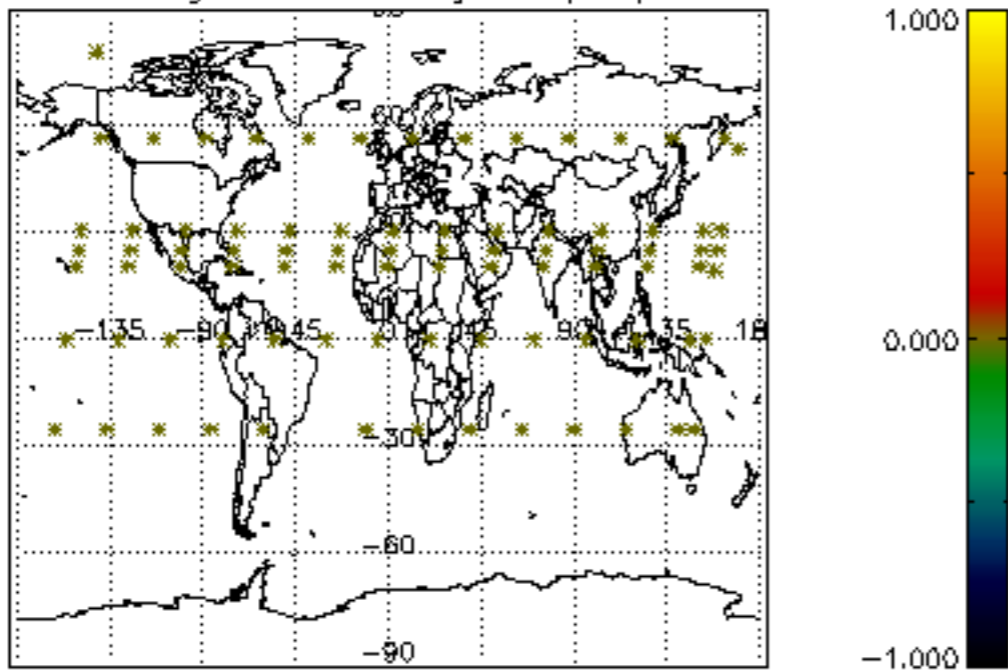
Percentage of star falling outside central band per profile



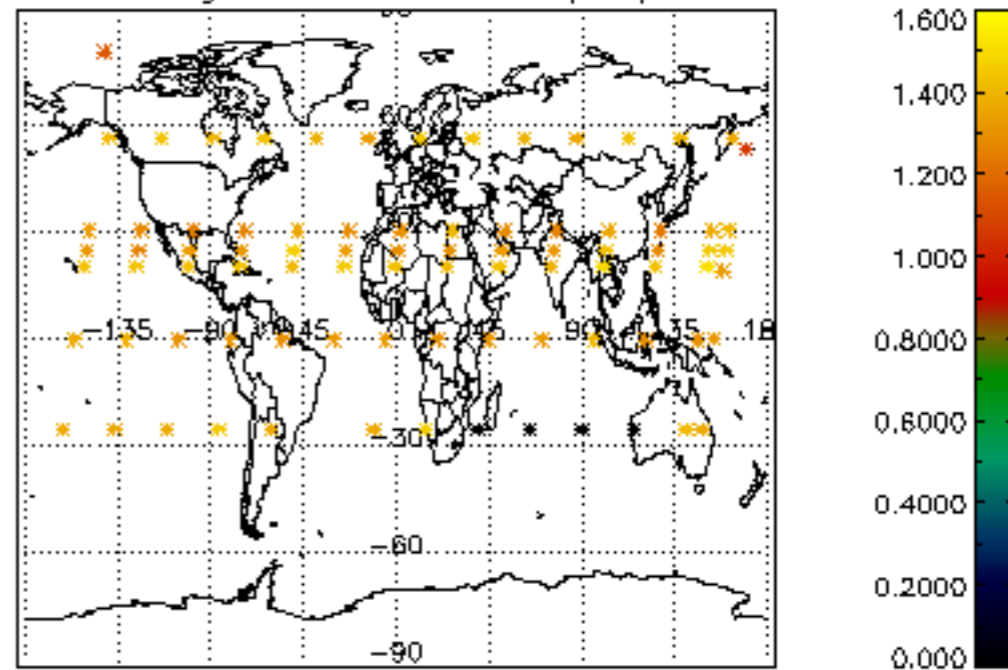
Percentage of saturation errors per profile



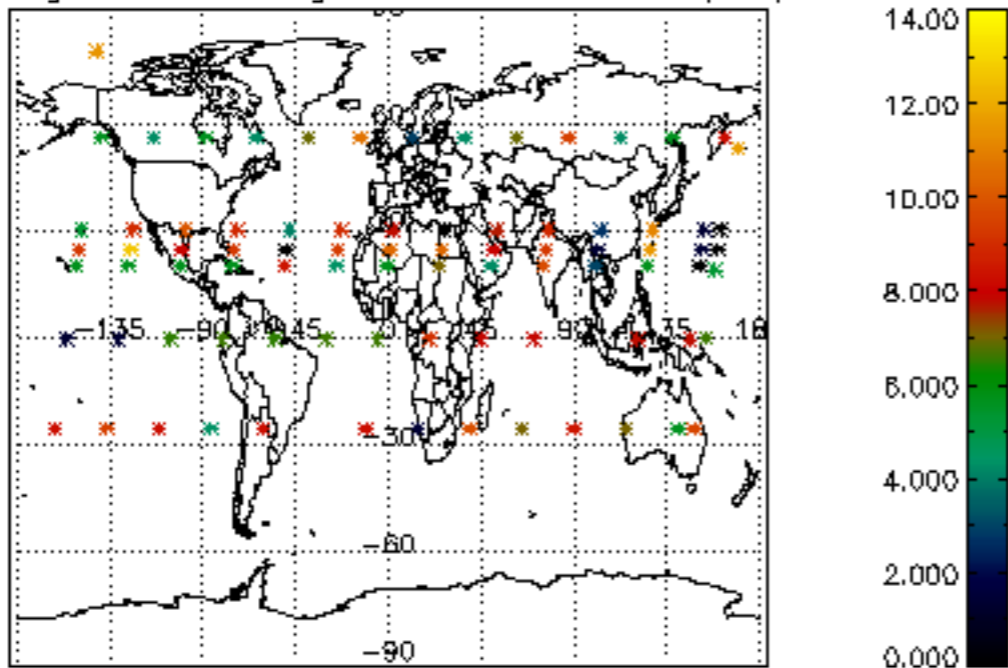
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

