

# 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	18APR2013 10:35:43
Data source version	GOMOS/6.01
Start time of products	26-08-2005 (26AUG2005 00:00:00)
Stop time of products	27-08-2005 (27AUG2005 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	150
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__2PRFIN20050826_012246_000000412040_00146_18236_6186.N1	26-AUG-2005 01:22:46	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	18236	No
2	GOM_NL__2PRFIN20050826_014120_000000372040_00146_18236_6187.N1	26-AUG-2005 01:41:20	Bright	37.000	11	53Alp Aql	0.76500	8000.0	74	18236	No
3	GOM_NL__2PRFIN20050826_015118_000000352040_00146_18236_6188.N1	26-AUG-2005 01:51:18	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	18236	No
4	GOM_NL__2PRFIN20050826_020304_000000352040_00146_18236_6189.N1	26-AUG-2005 02:03:04	Bright	34.500	60	7Bet UMi	2.0810	3950.0	69	18236	No
5	GOM_NL__2PRFIN20050826_020942_000000382040_00146_18236_6190.N1	26-AUG-2005 02:09:42	Bright	37.500	36	50Alp UMa	1.8000	6300.0	75	18236	No
6	GOM_NL__2PRFIN20050826_023547_000000362040_00146_18236_6191.N1	26-AUG-2005 02:35:47	Dark	35.500	132	15Rho Pup	2.8030	6900.0	71	18236	No
7	GOM_NL__2PRFIN20050826_023716_000000352040_00146_18236_6192.N1	26-AUG-2005 02:37:16	Dark	35.000	37	25Del CMa	1.8300	5900.0	70	18236	No
8	GOM_NL__2PRFIN20050826_024008_000000402040_00146_18236_6193.N1	26-AUG-2005 02:40:08	Dark	39.500	70	Zet Pup	2.2460	39000.	79	18236	No
9	GOM_NL__2PRFIN20050826_024500_000000452040_00146_18236_6194.N1	26-AUG-2005 02:45:00	Dark	44.500	2	Alp Car	-0.73600	7000.0	89	18236	No
10	GOM_NL__2PRFIN20050826_025539_000000372040_00147_18237_6189.N1	26-AUG-2005 02:55:39	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	18237	No
11	GOM_NL__2PRFIN20050826_030110_000000392040_00147_18237_6190.N1	26-AUG-2005 03:01:10	Straylight	38.500	148	Alp Tuc	2.8780	4100.0	77	18237	No
12	GOM_NL__2PRFIN20050826_030322_000000372040_00147_18237_6191.N1	26-AUG-2005 03:03:22	Straylight	37.000	45	Alp Pav	1.9400	26000.	74	18237	No
13	GOM_NL__2PRFIN20050826_032156_000000382040_00147_18237_6192.N1	26-AUG-2005 03:21:56	Bright	37.500	11	53Alp Aql	0.76500	8000.0	75	18237	No
14	GOM_NL__2PRFIN20050826_033154_000000352040_00147_18237_6193.N1	26-AUG-2005 03:31:54	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	18237	No
15	GOM_NL__2PRFIN20050826_034340_000000322040_00147_18237_6194.N1	26-AUG-2005 03:43:40	Bright	32.000	60	7Bet UMi	2.0810	3950.0	64	18237	No
16	GOM_NL__2PRFIN20050826_035018_000000382040_00147_18237_6195.N1	26-AUG-2005 03:50:18	Bright	37.500	36	50Alp UMa	1.8000	6300.0	75	18237	No
17	GOM_NL__2PRFIN20050826_041623_000000382040_00147_18237_6196.N1	26-AUG-2005 04:16:23	Dark	37.500	132	15Rho Pup	2.8030	6900.0	75	18237	No
18	GOM_NL__2PRFIN20050826_041753_000000352040_00147_18237_6197.N1	26-AUG-2005 04:17:53	Dark	35.000	37	25Del CMa	1.8300	5900.0	70	18237	No
19	GOM_NL__2PRFIN20050826_042044_000000392040_00147_18237_6198.N1	26-AUG-2005 04:20:44	Dark	39.000	70	Zet Pup	2.2460	39000.	78	18237	No
20	GOM_NL__2PRFIN20050826_042536_000000442040_00147_18237_6199.N1	26-AUG-2005 04:25:36	Dark	44.000	2	Alp Car	-0.73600	7000.0	88	18237	No
21	GOM_NL__2PRFIN20050826_043615_000000372040_00148_18238_6191.N1	26-AUG-2005 04:36:15	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	18238	No
22	GOM_NL__2PRFIN20050826_044147_000000412040_00148_18238_6192.N1	26-AUG-2005 04:41:47	Straylight	40.500	148	Alp Tuc	2.8780	4100.0	81	18238	No
23	GOM_NL__2PRFIN20050826_044358_000000402040_00148_18238_6193.N1	26-AUG-2005 04:43:58	Straylight	39.500	45	Alp Pav	1.9400	26000.	79	18238	No
24	GOM_NL__2PRFIN20050826_050232_000000382040_00148_18238_6194.N1	26-AUG-2005 05:02:32	Bright	37.500	11	53Alp Aql	0.76500	8000.0	75	18238	No
25	GOM_NL__2PRFIN20050826_051230_000000342040_00148_18238_6195.N1	26-AUG-2005 05:12:30	Bright	34.000	144	18Del Cyg	2.8600	11000.	68	18238	No
26	GOM_NL__2PRFIN20050826_052417_000000342040_00148_18238_6196.N1	26-AUG-2005 05:24:17	Bright	34.000	60	7Bet UMi	2.0810	3950.0	68	18238	No
27	GOM_NL__2PRFIN20050826_053055_000000372040_00148_18238_6197.N1	26-AUG-2005 05:30:55	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	18238	No
28	GOM_NL__2PRFIN20050826_055659_000000372040_00148_18238_6198.N1	26-AUG-2005 05:56:59	Dark	36.500	132	15Rho Pup	2.8030	6900.0	73	18238	No
29	GOM_NL__2PRFIN20050826_055829_000000032040_00148_18238_6199.N1	26-AUG-2005 05:58:29	Dark	3.0000	37	25Del CMa	1.8300	5900.0	6	18238	No
30	GOM_NL__2PRFIN20050826_055856_000000412040_00148_18238_6200.N1	26-AUG-2005 05:58:56	Dark	41.000	88	31Eta CMa	2.4480	20000.	82	18238	No
31	GOM_NL__2PRFIN20050826_060120_000000372040_00148_18238_6201.N1	26-AUG-2005 06:01:20	Dark	37.000	70	Zet Pup	2.2460	39000.	74	18238	No
32	GOM_NL__2PRFIN20050826_060613_000000452040_00148_18238_6202.N1	26-AUG-2005 06:06:13	Dark	44.500	2	Alp Car	-0.73600	7000.0	89	18238	No
33	GOM_NL__2PRFIN20050826_061651_000000372040_00149_18239_6175.N1	26-AUG-2005 06:16:51	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	18239	No
34	GOM_NL__2PRFIN20050826_062223_000000392040_00149_18239_6176.N1	26-AUG-2005 06:22:23	Straylight	38.500	148	Alp Tuc	2.8780	4100.0	77	18239	No
35	GOM_NL__2PRFIN20050826_062434_000000392040_00149_18239_6177.N1	26-AUG-2005 06:24:34	Straylight	38.500	45	Alp Pav	1.9400	26000.	77	18239	No
36	GOM_NL__2PRFIN20050826_064309_000000362040_00149_18239_6178.N1	26-AUG-2005 06:43:09	Bright	35.500	11	53Alp Aql	0.76500	8000.0	71	18239	No
37	GOM_NL__2PRFIN20050826_065307_000000352040_00149_18239_6179.N1	26-AUG-2005 06:53:07	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	18239	No
38	GOM_NL__2PRFIN20050826_070453_000000372040_00149_18239_6180.N1	26-AUG-2005 07:04:53	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	18239	No
39	GOM_NL__2PRFIN20050826_071131_000000372040_00149_18239_6181.N1	26-AUG-2005 07:11:31	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	18239	No
40	GOM_NL__2PRFIN20050826_073735_000000382040_00149_18239_6182.N1	26-AUG-2005 07:37:35	Dark	38.000	132	15Rho Pup	2.8030	6900.0	76	18239	No
41	GOM_NL__2PRFIN20050826_073905_000000032040_00149_18239_6183.N1	26-AUG-2005 07:39:05	Dark	3.0000	37	25Del CMa	1.8300	5900.0	6	18239	No
42	GOM_NL__2PRFIN20050826_073932_000000392040_00149_18239_6184.N1	26-AUG-2005 07:39:32	Dark	39.000	88	31Eta CMa	2.4480	20000.	78	18239	No

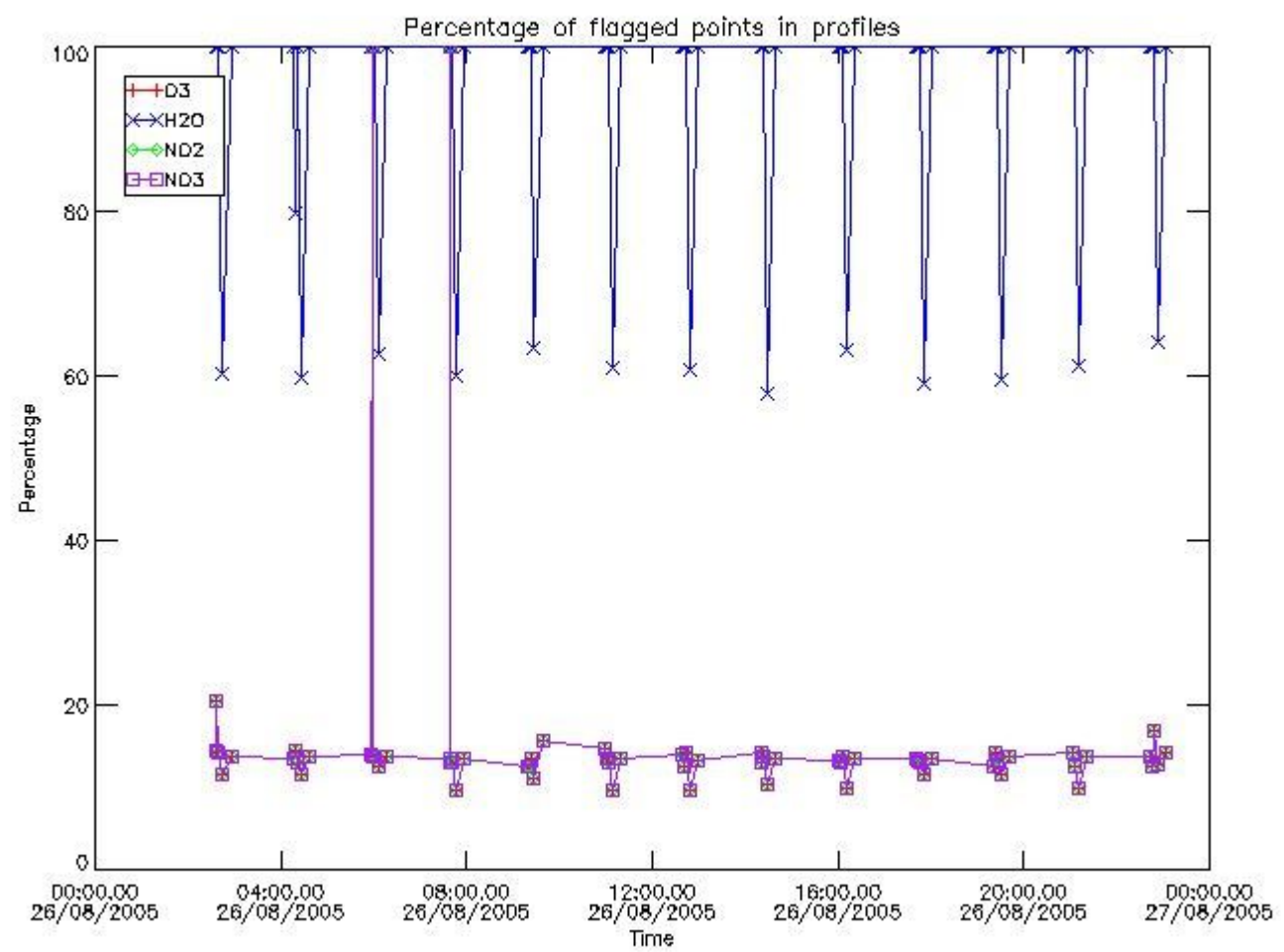
43	GOM_NL__2PRFIN20050826_074156_000000392040_00149_18239_6185.N1	26-AUG-2005 07:41:56	Dark	39.000	70	Zet Pup	2.2460	39000.	78	18239	No
44	GOM_NL__2PRFIN20050826_074649_000000532040_00149_18239_6186.N1	26-AUG-2005 07:46:49	Dark	53.000	2	Alp Car	-0.73600	7000.0	106	18239	No
45	GOM_NL__2PRFIN20050826_075727_000000382040_00150_18240_6178.N1	26-AUG-2005 07:57:27	Dark	37.500	135	Bet Hyi	2.8200	5800.0	75	18240	No
46	GOM_NL__2PRFIN20050826_080259_000000452040_00150_18240_6179.N1	26-AUG-2005 08:02:59	Straylight	44.500	148	Alp Tuc	2.8780	4100.0	89	18240	No
47	GOM_NL__2PRFIN20050826_080510_000000372040_00150_18240_6180.N1	26-AUG-2005 08:05:10	Straylight	37.000	45	Alp Pav	1.9400	26000.	74	18240	No
48	GOM_NL__2PRFIN20050826_082345_000000362040_00150_18240_6181.N1	26-AUG-2005 08:23:45	Bright	35.500	11	53Alp Aql	0.76500	8000.0	71	18240	No
49	GOM_NL__2PRFIN20050826_083343_000000352040_00150_18240_6182.N1	26-AUG-2005 08:33:43	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	18240	No
50	GOM_NL__2PRFIN20050826_084529_000000362040_00150_18240_6183.N1	26-AUG-2005 08:45:29	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	18240	No
51	GOM_NL__2PRFIN20050826_085207_000000362040_00150_18240_6184.N1	26-AUG-2005 08:52:07	Bright	35.500	36	50Alp UMa	1.8000	6300.0	71	18240	No
52	GOM_NL__2PRFIN20050826_091811_000000412040_00150_18240_6185.N1	26-AUG-2005 09:18:11	Dark	40.500	132	15Rho Pup	2.8030	6900.0	81	18240	No
53	GOM_NL__2PRFIN20050826_092009_000000412040_00150_18240_6186.N1	26-AUG-2005 09:20:09	Dark	40.500	88	31Eta CMa	2.4480	20000.	81	18240	No
54	GOM_NL__2PRFIN20050826_092232_000000382040_00150_18240_6187.N1	26-AUG-2005 09:22:32	Dark	38.000	70	Zet Pup	2.2460	39000.	76	18240	No
55	GOM_NL__2PRFIN20050826_092725_000000462040_00150_18240_6188.N1	26-AUG-2005 09:27:25	Dark	45.500	2	Alp Car	-0.73600	7000.0	91	18240	No
56	GOM_NL__2PRFIN20050826_093803_000000362040_00151_18241_6181.N1	26-AUG-2005 09:38:03	Dark	36.000	135	Bet Hyi	2.8200	5800.0	72	18241	No
57	GOM_NL__2PRFIN20050826_094335_000000402040_00151_18241_6182.N1	26-AUG-2005 09:43:35	Straylight	39.500	148	Alp Tuc	2.8780	4100.0	79	18241	No
58	GOM_NL__2PRFIN20050826_094546_000000382040_00151_18241_6183.N1	26-AUG-2005 09:45:46	Straylight	37.500	45	Alp Pav	1.9400	26000.	75	18241	No
59	GOM_NL__2PRFIN20050826_100421_000000382040_00151_18241_6184.N1	26-AUG-2005 10:04:21	Bright	38.000	11	53Alp Aql	0.76500	8000.0	76	18241	No
60	GOM_NL__2PRFIN20050826_101419_000000352040_00151_18241_6185.N1	26-AUG-2005 10:14:19	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	18241	No
61	GOM_NL__2PRFIN20050826_102605_000000372040_00151_18241_6186.N1	26-AUG-2005 10:26:05	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	18241	No
62	GOM_NL__2PRFIN20050826_103243_000000352040_00151_18241_6187.N1	26-AUG-2005 10:32:43	Bright	34.500	36	50Alp UMa	1.8000	6300.0	69	18241	No
63	GOM_NL__2PRFIN20050826_105847_000000382040_00151_18241_6188.N1	26-AUG-2005 10:58:47	Dark	38.000	132	15Rho Pup	2.8030	6900.0	76	18241	No
64	GOM_NL__2PRFIN20050826_110045_000000382040_00151_18241_6189.N1	26-AUG-2005 11:00:45	Dark	38.000	88	31Eta CMa	2.4480	20000.	76	18241	No
65	GOM_NL__2PRFIN20050826_110308_000000402040_00151_18241_6190.N1	26-AUG-2005 11:03:08	Dark	39.500	70	Zet Pup	2.2460	39000.	79	18241	No
66	GOM_NL__2PRFIN20050826_110801_000000532040_00151_18241_6191.N1	26-AUG-2005 11:08:01	Dark	53.000	2	Alp Car	-0.73600	7000.0	106	18241	No
67	GOM_NL__2PRFIN20050826_111839_000000382040_00152_18242_6184.N1	26-AUG-2005 11:18:39	Dark	38.000	135	Bet Hyi	2.8200	5800.0	76	18242	No
68	GOM_NL__2PRFIN20050826_112411_000000392040_00152_18242_6185.N1	26-AUG-2005 11:24:11	Straylight	39.000	148	Alp Tuc	2.8780	4100.0	78	18242	No
69	GOM_NL__2PRFIN20050826_112622_000000382040_00152_18242_6186.N1	26-AUG-2005 11:26:22	Straylight	37.500	45	Alp Pav	1.9400	26000.	75	18242	No
70	GOM_NL__2PRFIN20050826_114457_000000382040_00152_18242_6187.N1	26-AUG-2005 11:44:57	Bright	37.500	11	53Alp Aql	0.76500	8000.0	75	18242	No
71	GOM_NL__2PRFIN20050826_115455_000000352040_00152_18242_6188.N1	26-AUG-2005 11:54:55	Bright	34.500	144	18Del Cyg	2.8600	11000.	69	18242	No
72	GOM_NL__2PRFIN20050826_120641_000000372040_00152_18242_6189.N1	26-AUG-2005 12:06:41	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	18242	No
73	GOM_NL__2PRFIN20050826_121319_000000352040_00152_18242_6190.N1	26-AUG-2005 12:13:19	Bright	34.500	36	50Alp UMa	1.8000	6300.0	69	18242	No
74	GOM_NL__2PRFIN20050826_123923_000000402040_00152_18242_6191.N1	26-AUG-2005 12:39:23	Dark	40.000	132	15Rho Pup	2.8030	6900.0	80	18242	No
75	GOM_NL__2PRFIN20050826_124121_000000412040_00152_18242_6192.N1	26-AUG-2005 12:41:21	Dark	41.000	88	31Eta CMa	2.4480	20000.	82	18242	No
76	GOM_NL__2PRFIN20050826_124344_000000362040_00152_18242_6193.N1	26-AUG-2005 12:43:44	Dark	36.000	70	Zet Pup	2.2460	39000.	72	18242	No
77	GOM_NL__2PRFIN20050826_124838_000000532040_00152_18242_6194.N1	26-AUG-2005 12:48:38	Dark	52.500	2	Alp Car	-0.73600	7000.0	105	18242	No
78	GOM_NL__2PRFIN20050826_125916_000000392040_00153_18243_6187.N1	26-AUG-2005 12:59:16	Dark	38.500	135	Bet Hyi	2.8200	5800.0	77	18243	No
79	GOM_NL__2PRFIN20050826_130447_000000392040_00153_18243_6188.N1	26-AUG-2005 13:04:47	Straylight	39.000	148	Alp Tuc	2.8780	4100.0	78	18243	No
80	GOM_NL__2PRFIN20050826_130658_000000382040_00153_18243_6189.N1	26-AUG-2005 13:06:58	Straylight	37.500	45	Alp Pav	1.9400	26000.	75	18243	No
81	GOM_NL__2PRFIN20050826_132533_000000352040_00153_18243_6190.N1	26-AUG-2005 13:25:33	Bright	35.000	11	53Alp Aql	0.76500	8000.0	70	18243	No
82	GOM_NL__2PRFIN20050826_133531_000000342040_00153_18243_6191.N1	26-AUG-2005 13:35:31	Bright	33.500	144	18Del Cyg	2.8600	11000.	67	18243	No
83	GOM_NL__2PRFIN20050826_134718_000000362040_00153_18243_6192.N1	26-AUG-2005 13:47:18	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	18243	No
84	GOM_NL__2PRFIN20050826_135356_000000362040_00153_18243_6193.N1	26-AUG-2005 13:53:56	Bright	36.000	36	50Alp UMa	1.8000	6300.0	72	18243	No
85	GOM_NL__2PRFIN20050826_141959_000000402040_00153_18243_6194.N1	26-AUG-2005 14:19:59	Dark	39.500	132	15Rho Pup	2.8030	6900.0	79	18243	No
86	GOM_NL__2PRFIN20050826_142157_000000392040_00153_18243_6195.N1	26-AUG-2005 14:21:57	Dark	39.000	88	31Eta CMa	2.4480	20000.	78	18243	No
87	GOM_NL__2PRFIN20050826_142420_000000372040_00153_18243_6196.N1	26-AUG-2005 14:24:20	Dark	37.000	70	Zet Pup	2.2460	39000.	74	18243	No
88	GOM_NL__2PRFIN20050826_142914_000000492040_00153_18243_6197.N1	26-AUG-2005 14:29:14	Dark	49.000	2	Alp Car	-0.73600	7000.0	98	18243	No
89	GOM_NL__2PRFIN20050826_143952_000000382040_00154_18244_6191.N1	26-AUG-2005 14:39:52	Dark	38.000	135	Bet Hyi	2.8200	5800.0	76	18244	No
90	GOM_NL__2PRFIN20050826_144524_000000392040_00154_18244_6192.N1	26-AUG-2005 14:45:24	Straylight	38.500	148	Alp Tuc	2.8780	4100.0	77	18244	No
91	GOM_NL__2PRFIN20050826_144734_000000362040_00154_18244_6193.N1	26-AUG-2005 14:47:34	Straylight	35.500	45	Alp Pav	1.9400	26000.	71	18244	No
92	GOM_NL__2PRFIN20050826_150609_000000362040_00154_18244_6194.N1	26-AUG-2005 15:06:09	Bright	35.500	11	53Alp Aql	0.76500	8000.0	71	18244	No
93	GOM_NL__2PRFIN20050826_151607_000000352040_00154_18244_6195.N1	26-AUG-2005 15:16:07	Bright	34.500	144	18Del Cyg	2.8600	11000.	69	18244	No
94	GOM_NL__2PRFIN20050826_152754_000000342040_00154_18244_6196.N1	26-AUG-2005 15:27:54	Bright	34.000	60	7Bet UMi	2.0810	3950.0	68	18244	No
95	GOM_NL__2PRFIN20050826_153432_000000362040_00154_18244_6197.N1	26-AUG-2005 15:34:32	Bright	36.000	36	50Alp UMa	1.8000	6300.0	72	18244	No
96	GOM_NL__2PRFIN20050826_160036_000000392040_00154_18244_6198.N1	26-AUG-2005 16:00:36	Dark	38.500	132	15Rho Pup	2.8030	6900.0	77	18244	No
97	GOM_NL__2PRFIN20050826_160234_000000402040_00154_18244_6199.N1	26-AUG-2005 16:02:34	Dark	39.500	88	31Eta CMa	2.4480	20000.	79	18244	No
98	GOM_NL__2PRFIN20050826_160457_000000372040_00154_18244_6200.N1	26-AUG-2005 16:04:57	Dark	37.000	70	Zet Pup	2.2460	39000.	74	18244	No
99	GOM_NL__2PRFIN20050826_160950_000000522040_00154_18244_6201.N1	26-AUG-2005 16:09:50	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	18244	No
100	GOM_NL__2PRFIN20050826_162028_000000382040_00155_18245_6174.N1	26-AUG-2005 16:20:28	Dark	38.000	135	Bet Hyi	2.8200	5800.0	76	18245	No
101	GOM_NL__2PRFIN20050826_162600_000000392040_00155_18245_6175.N1	26-AUG-2005 16:26:00	Straylight	38.500	148	Alp Tuc	2.8780	4100.0	77	18245	No

102	GOM_NL__2PRFIN20050826_162810_000000402040_00155_18245_6176.N1	26-AUG-2005 16:28:10	Straylight	40.000	45	Alp Pav	1.9400	26000.	80	18245	No
103	GOM_NL__2PRFIN20050826_164645_000000392040_00155_18245_6177.N1	26-AUG-2005 16:46:45	Bright	38.500	11	53Alp Aql	0.76500	8000.0	77	18245	No
104	GOM_NL__2PRFIN20050826_165643_000000352040_00155_18245_6178.N1	26-AUG-2005 16:56:43	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	18245	No
105	GOM_NL__2PRFIN20050826_170830_000000372040_00155_18245_6179.N1	26-AUG-2005 17:08:30	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	18245	No
106	GOM_NL__2PRFIN20050826_171508_000000372040_00155_18245_6180.N1	26-AUG-2005 17:15:08	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	18245	No
107	GOM_NL__2PRFIN20050826_174112_000000382040_00155_18245_6181.N1	26-AUG-2005 17:41:12	Dark	38.000	132	15Rho Pup	2.8030	6900.0	76	18245	No
108	GOM_NL__2PRFIN20050826_174310_000000392040_00155_18245_6182.N1	26-AUG-2005 17:43:10	Dark	38.500	88	31Eta CMa	2.4480	20000.	77	18245	No
109	GOM_NL__2PRFIN20050826_174533_000000402040_00155_18245_6183.N1	26-AUG-2005 17:45:33	Dark	39.500	70	Zet Pup	2.2460	39000.	79	18245	No
110	GOM_NL__2PRFIN20050826_175027_000000452040_00155_18245_6184.N1	26-AUG-2005 17:50:27	Dark	44.500	2	Alp Car	-0.73600	7000.0	89	18245	No
111	GOM_NL__2PRFIN20050826_180104_000000382040_00156_18246_6177.N1	26-AUG-2005 18:01:04	Dark	38.000	135	Bet Hyi	2.8200	5800.0	76	18246	No
112	GOM_NL__2PRFIN20050826_180636_000000402040_00156_18246_6178.N1	26-AUG-2005 18:06:36	Straylight	39.500	148	Alp Tuc	2.8780	4100.0	79	18246	No
113	GOM_NL__2PRFIN20050826_180846_000000372040_00156_18246_6179.N1	26-AUG-2005 18:08:46	Straylight	36.500	45	Alp Pav	1.9400	26000.	73	18246	No
114	GOM_NL__2PRFIN20050826_182722_000000392040_00156_18246_6180.N1	26-AUG-2005 18:27:22	Bright	39.000	11	53Alp Aql	0.76500	8000.0	78	18246	No
115	GOM_NL__2PRFIN20050826_183719_000000362040_00156_18246_6181.N1	26-AUG-2005 18:37:19	Bright	35.500	144	18Del Cyg	2.8600	11000.	71	18246	No
116	GOM_NL__2PRFIN20050826_184906_000000382040_00156_18246_6182.N1	26-AUG-2005 18:49:06	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	18246	No
117	GOM_NL__2PRFIN20050826_185544_000000422040_00156_18246_6183.N1	26-AUG-2005 18:55:44	Bright	42.000	36	50Alp UMa	1.8000	6300.0	84	18246	No
118	GOM_NL__2PRFIN20050826_192148_000000412040_00156_18246_6184.N1	26-AUG-2005 19:21:48	Dark	40.500	132	15Rho Pup	2.8030	6900.0	81	18246	No
119	GOM_NL__2PRFIN20050826_192346_000000362040_00156_18246_6185.N1	26-AUG-2005 19:23:46	Dark	36.000	88	31Eta CMa	2.4480	20000.	72	18246	No
120	GOM_NL__2PRFIN20050826_192609_000000392040_00156_18246_6186.N1	26-AUG-2005 19:26:09	Dark	38.500	70	Zet Pup	2.2460	39000.	77	18246	No
121	GOM_NL__2PRFIN20050826_193103_000000492040_00156_18246_6187.N1	26-AUG-2005 19:31:03	Dark	48.500	2	Alp Car	-0.73600	7000.0	97	18246	No
122	GOM_NL__2PRFIN20050826_194140_000000372040_00157_18247_6180.N1	26-AUG-2005 19:41:40	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	18247	No
123	GOM_NL__2PRFIN20050826_194712_000000432040_00157_18247_6181.N1	26-AUG-2005 19:47:12	Straylight	42.500	148	Alp Tuc	2.8780	4100.0	85	18247	No
124	GOM_NL__2PRFIN20050826_194922_000000382040_00157_18247_6182.N1	26-AUG-2005 19:49:22	Straylight	38.000	45	Alp Pav	1.9400	26000.	76	18247	No
125	GOM_NL__2PRFIN20050826_200758_000000362040_00157_18247_6183.N1	26-AUG-2005 20:07:58	Bright	35.500	11	53Alp Aql	0.76500	8000.0	71	18247	No
126	GOM_NL__2PRFIN20050826_201755_000000352040_00157_18247_6184.N1	26-AUG-2005 20:17:55	Bright	34.500	144	18Del Cyg	2.8600	11000.	69	18247	No
127	GOM_NL__2PRFIN20050826_202943_000000362040_00157_18247_6185.N1	26-AUG-2005 20:29:43	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	18247	No
128	GOM_NL__2PRFIN20050826_203621_000000362040_00157_18247_6186.N1	26-AUG-2005 20:36:21	Bright	36.000	36	50Alp UMa	1.8000	6300.0	72	18247	No
129	GOM_NL__2PRFIN20050826_210224_000000402040_00157_18247_6187.N1	26-AUG-2005 21:02:24	Dark	39.500	132	15Rho Pup	2.8030	6900.0	79	18247	No
130	GOM_NL__2PRFIN20050826_210422_000000402040_00157_18247_6188.N1	26-AUG-2005 21:04:22	Dark	39.500	88	31Eta CMa	2.4480	20000.	79	18247	No
131	GOM_NL__2PRFIN20050826_210645_000000412040_00157_18247_6189.N1	26-AUG-2005 21:06:45	Dark	40.500	70	Zet Pup	2.2460	39000.	81	18247	No
132	GOM_NL__2PRFIN20050826_211139_000000522040_00157_18247_6190.N1	26-AUG-2005 21:11:39	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	18247	No
133	GOM_NL__2PRFIN20050826_212216_000000372040_00158_18248_6182.N1	26-AUG-2005 21:22:16	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	18248	No
134	GOM_NL__2PRFIN20050826_212748_000000402040_00158_18248_6183.N1	26-AUG-2005 21:27:48	Straylight	40.000	148	Alp Tuc	2.8780	4100.0	80	18248	No
135	GOM_NL__2PRFIN20050826_212958_000000372040_00158_18248_6184.N1	26-AUG-2005 21:29:58	Straylight	36.500	45	Alp Pav	1.9400	26000.	73	18248	No
136	GOM_NL__2PRFIN20050826_214834_000000372040_00158_18248_6185.N1	26-AUG-2005 21:48:34	Bright	36.500	11	53Alp Aql	0.76500	8000.0	73	18248	No
137	GOM_NL__2PRFIN20050826_215831_000000352040_00158_18248_6186.N1	26-AUG-2005 21:58:31	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	18248	No
138	GOM_NL__2PRFIN20050826_221019_000000362040_00158_18248_6187.N1	26-AUG-2005 22:10:19	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	18248	No
139	GOM_NL__2PRFIN20050826_221657_000000372040_00158_18248_6188.N1	26-AUG-2005 22:16:57	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	18248	No
140	GOM_NL__2PRFIN20050826_224300_000000372040_00158_18248_6189.N1	26-AUG-2005 22:43:00	Dark	37.000	132	15Rho Pup	2.8030	6900.0	74	18248	No
141	GOM_NL__2PRFIN20050826_224458_000000412040_00158_18248_6190.N1	26-AUG-2005 22:44:58	Dark	40.500	88	31Eta CMa	2.4480	20000.	81	18248	No
142	GOM_NL__2PRFIN20050826_224720_000000392040_00158_18248_6191.N1	26-AUG-2005 22:47:20	Dark	39.000	70	Zet Pup	2.2460	39000.	78	18248	No
143	GOM_NL__2PRFIN20050826_225216_000000442040_00158_18248_6192.N1	26-AUG-2005 22:52:16	Dark	43.500	2	Alp Car	-0.73600	7000.0	87	18248	No
144	GOM_NL__2PRFIN20050826_230252_000000362040_00159_18249_6222.N1	26-AUG-2005 23:02:52	Dark	36.000	135	Bet Hyi	2.8200	5800.0	72	18249	No
145	GOM_NL__2PRFIN20050826_230825_000000412040_00159_18249_6223.N1	26-AUG-2005 23:08:25	Straylight	41.000	148	Alp Tuc	2.8780	4100.0	82	18249	No
146	GOM_NL__2PRFIN20050826_231034_000000412040_00159_18249_6224.N1	26-AUG-2005 23:10:34	Straylight	41.000	45	Alp Pav	1.9400	26000.	82	18249	No
147	GOM_NL__2PRFIN20050826_232910_000000382040_00159_18249_6225.N1	26-AUG-2005 23:29:10	Bright	38.000	11	53Alp Aql	0.76500	8000.0	76	18249	No
148	GOM_NL__2PRFIN20050826_233907_000000352040_00159_18249_6226.N1	26-AUG-2005 23:39:07	Bright	34.500	144	18Del Cyg	2.8600	11000.	69	18249	No
149	GOM_NL__2PRFIN20050826_235055_000000352040_00159_18249_6227.N1	26-AUG-2005 23:50:55	Bright	34.500	60	7Bet UMi	2.0810	3950.0	69	18249	No
150	GOM_NL__2PRFIN20050826_235733_000000372040_00159_18249_6228.N1	26-AUG-2005 23:57:33	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	18249	No

### 3. Quality information per product

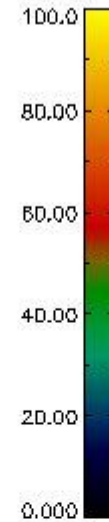
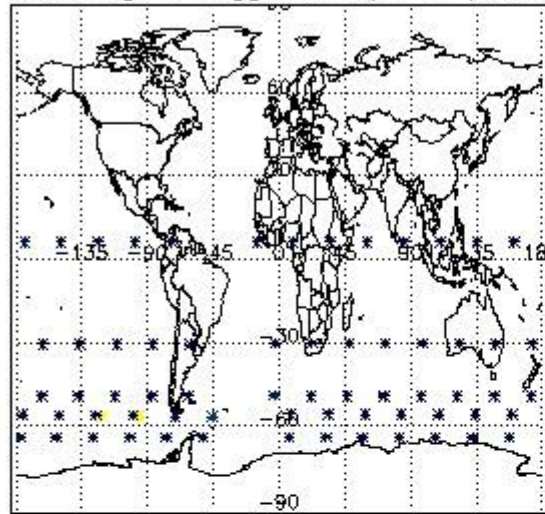
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

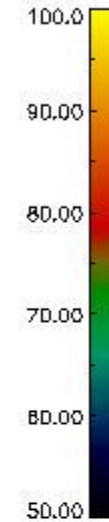
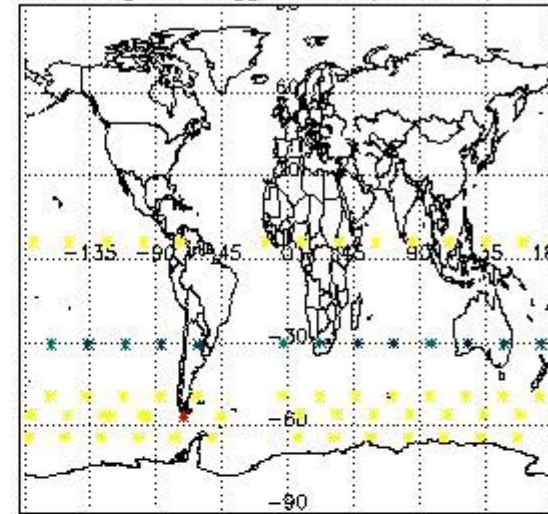


*3.2 Plot quality information per product (world map)*

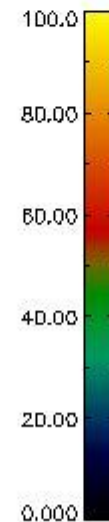
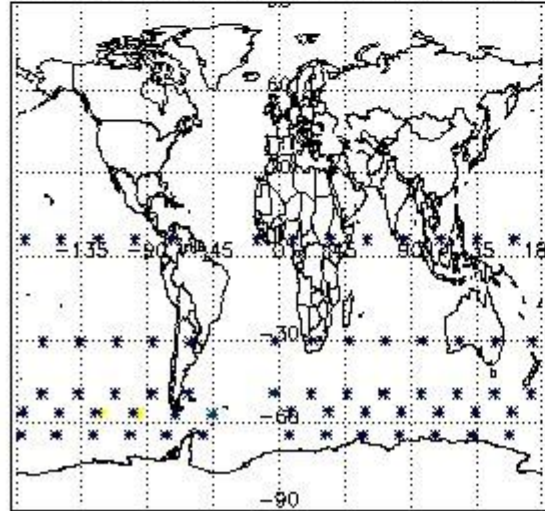
Percentage of flagged data per O3 profile



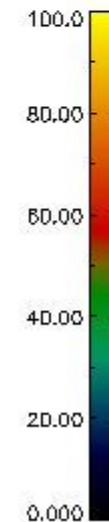
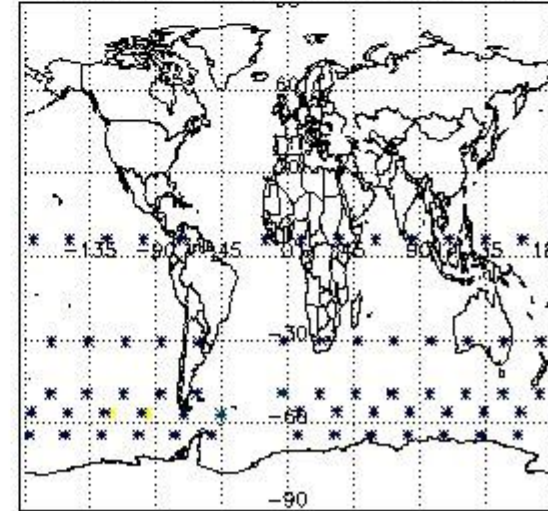
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

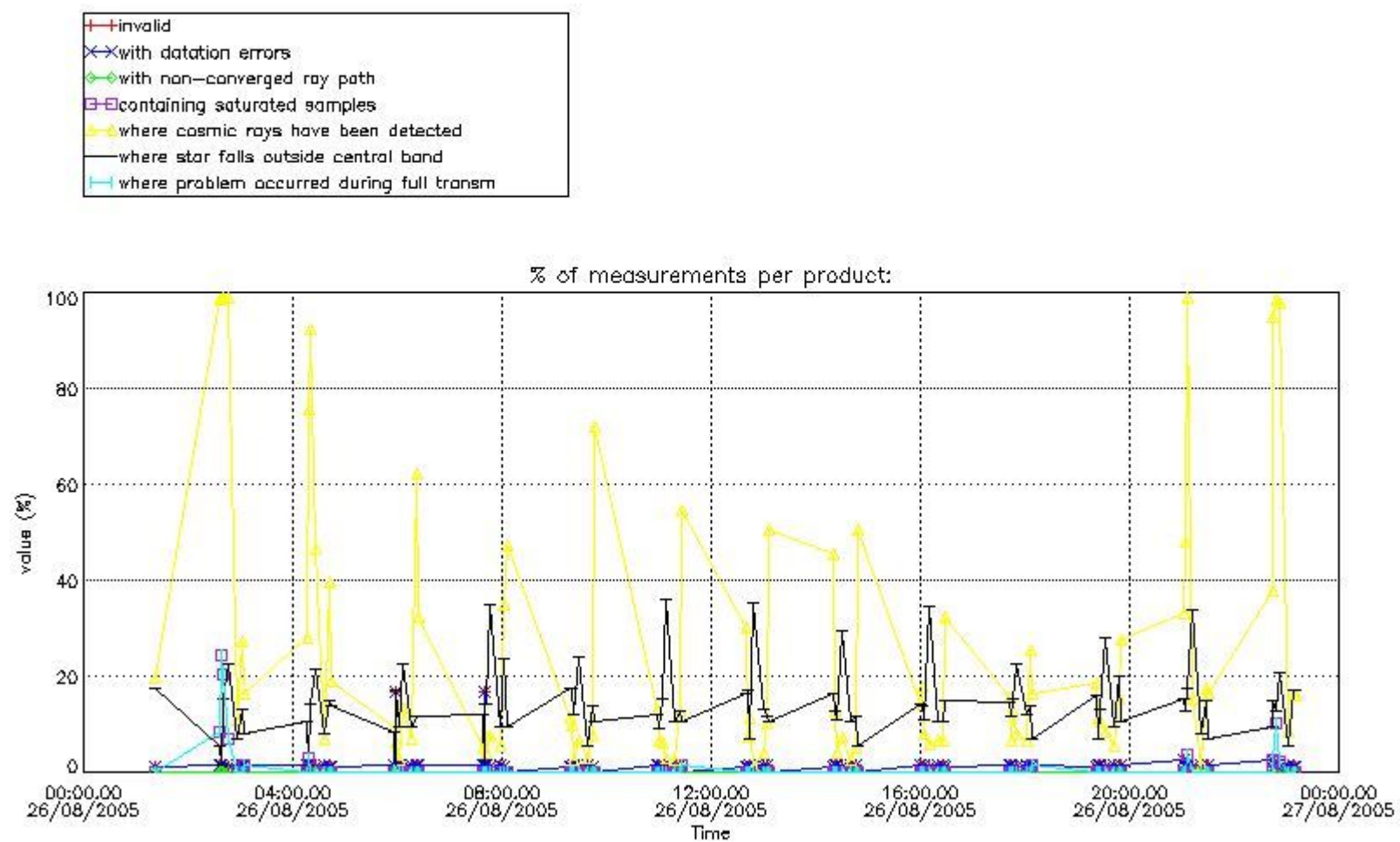


#### 4. Level 1 quality information per product

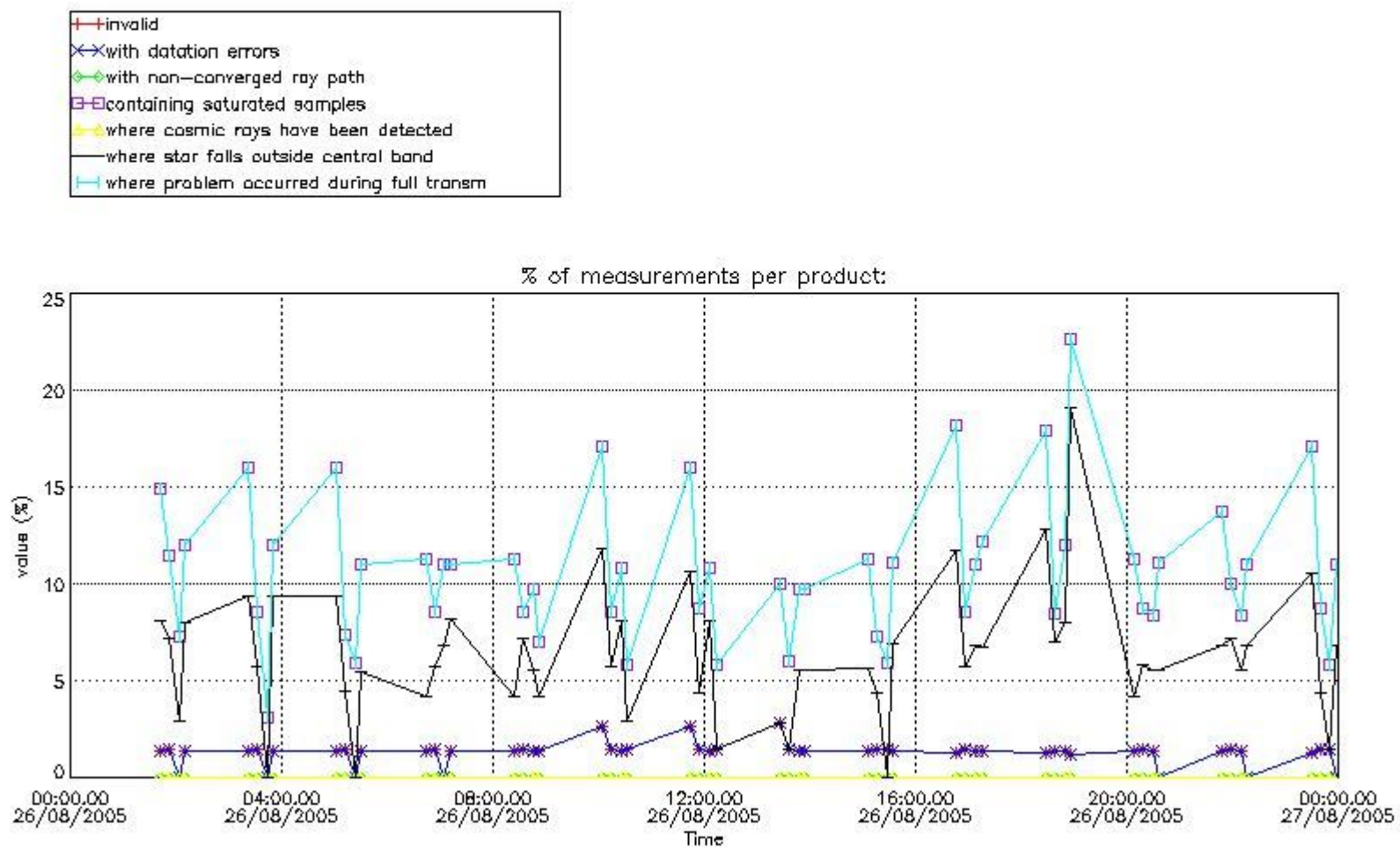
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



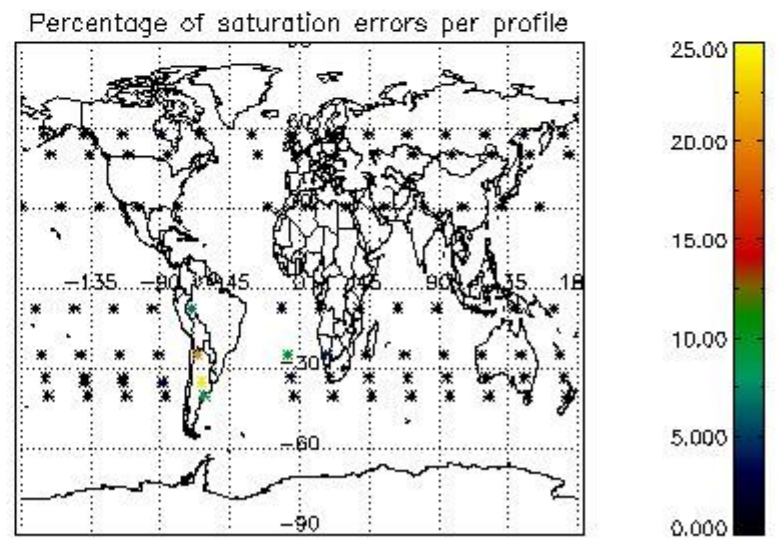
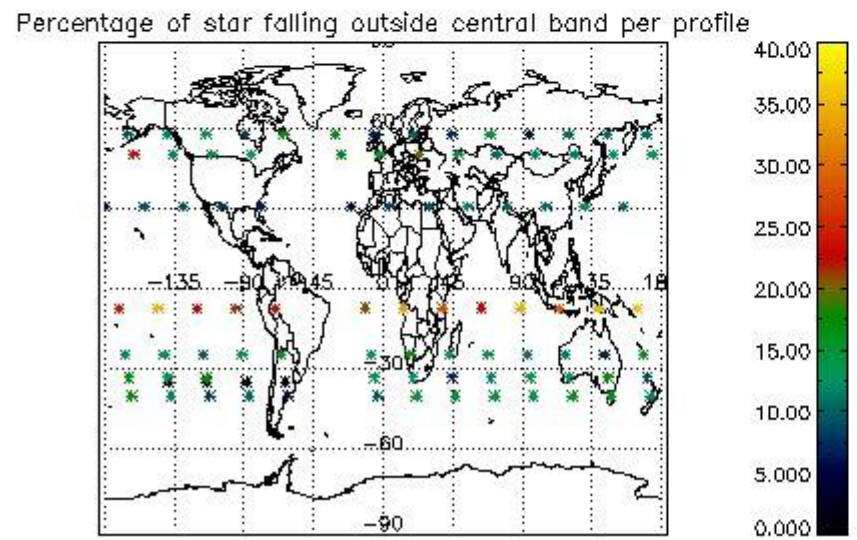
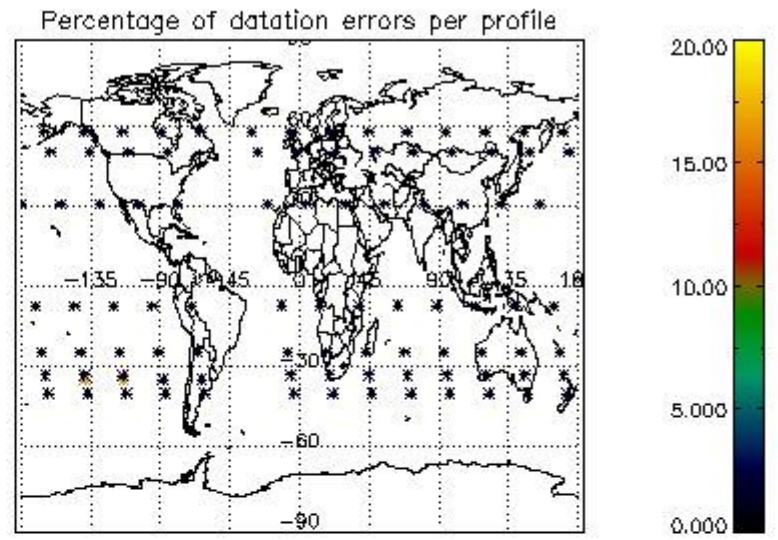
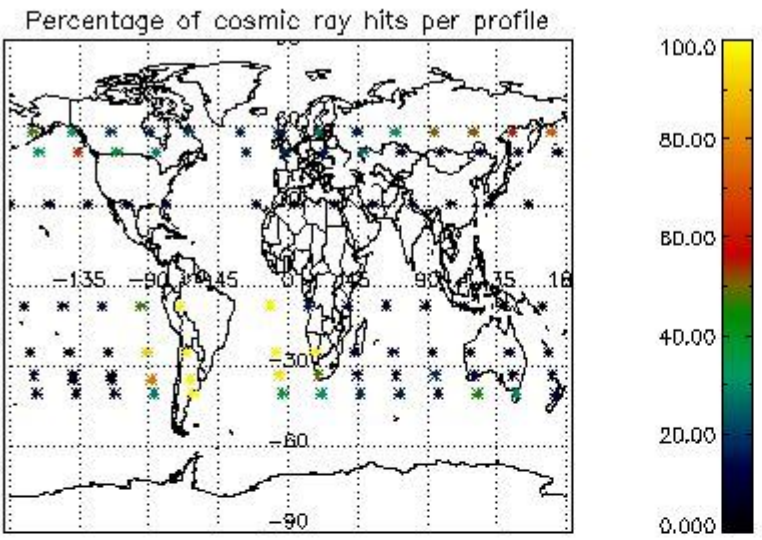
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



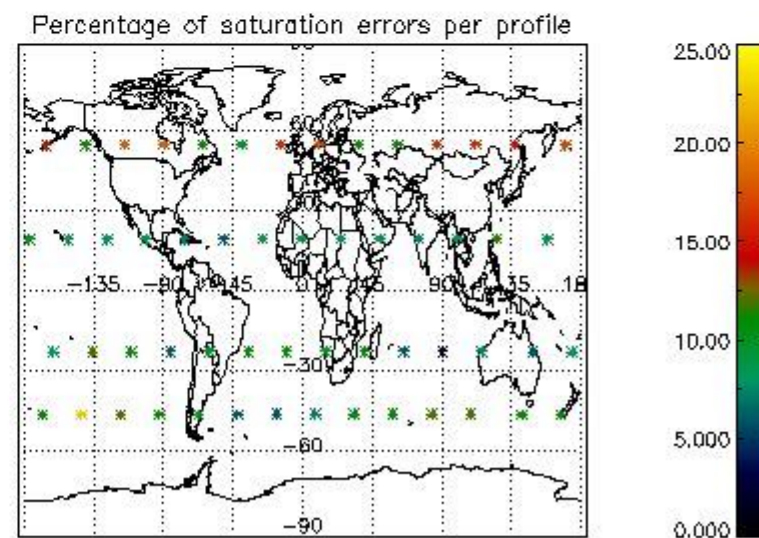
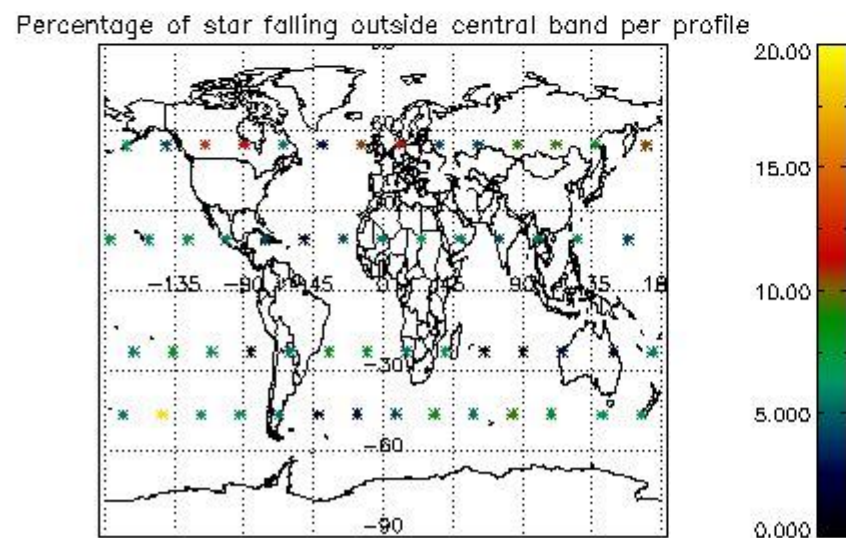
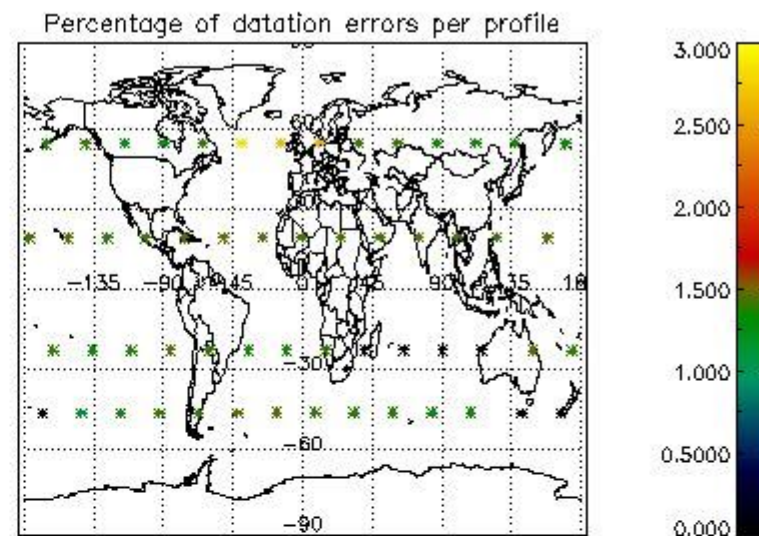
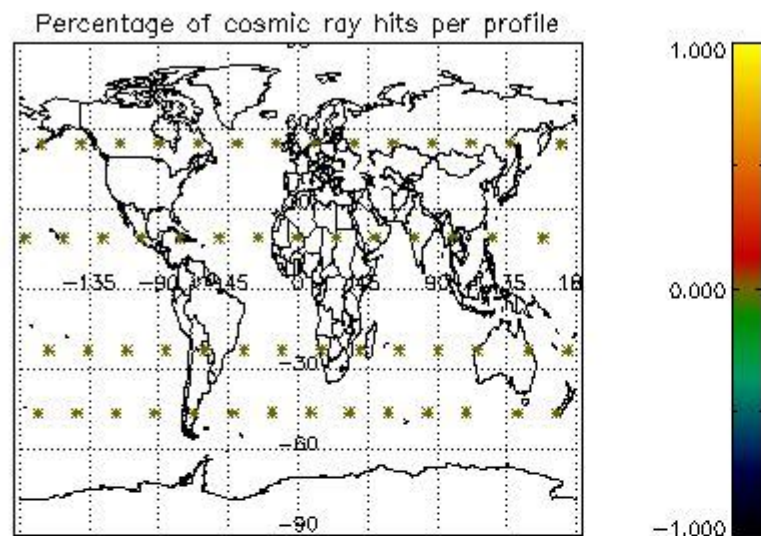
4.2 Plot quality information per product coming from level 1b processing (world map)

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





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



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

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

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

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

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

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

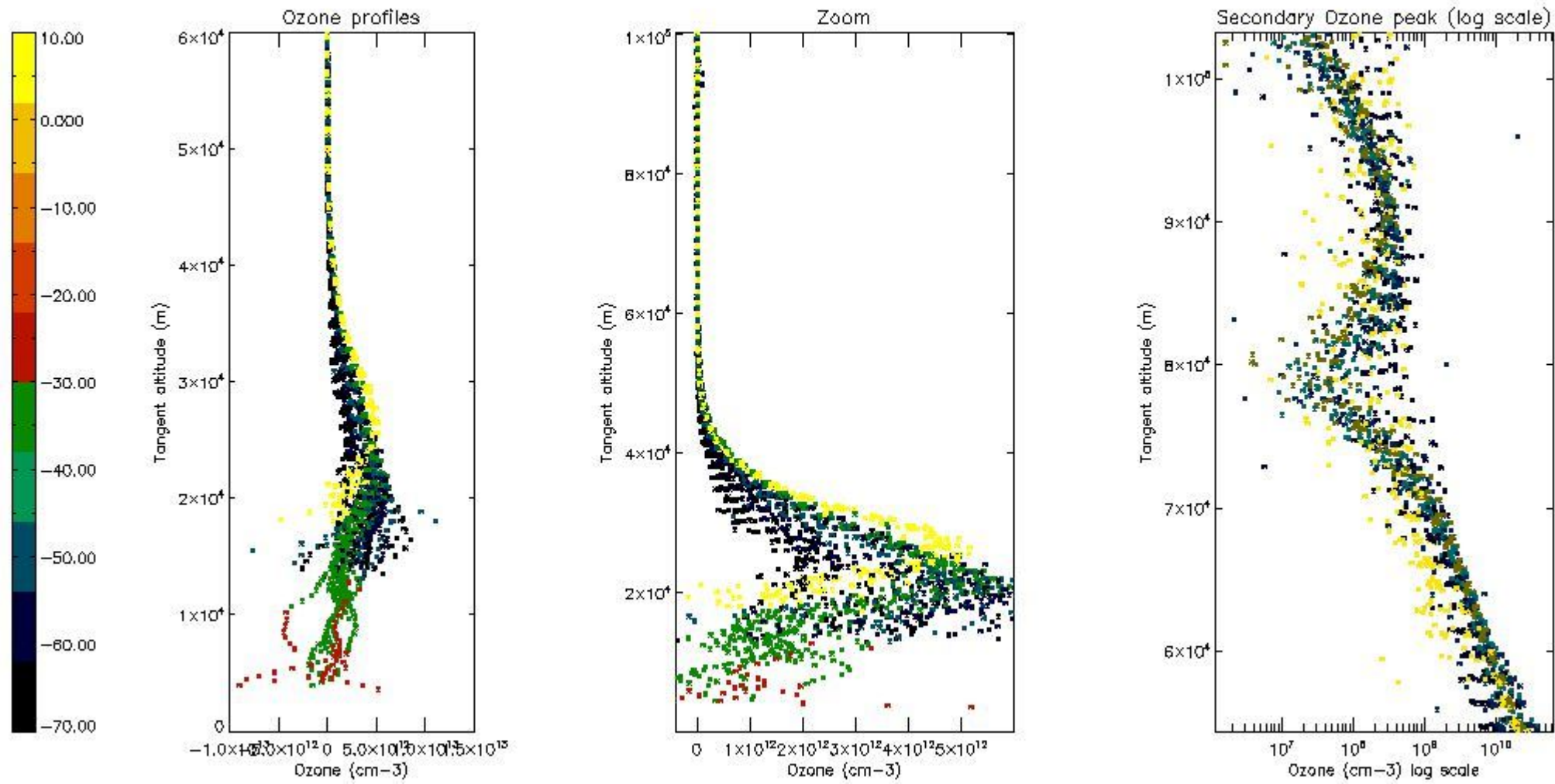
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	47
STD < 20	27

STD < 10	20
STD < 5	12

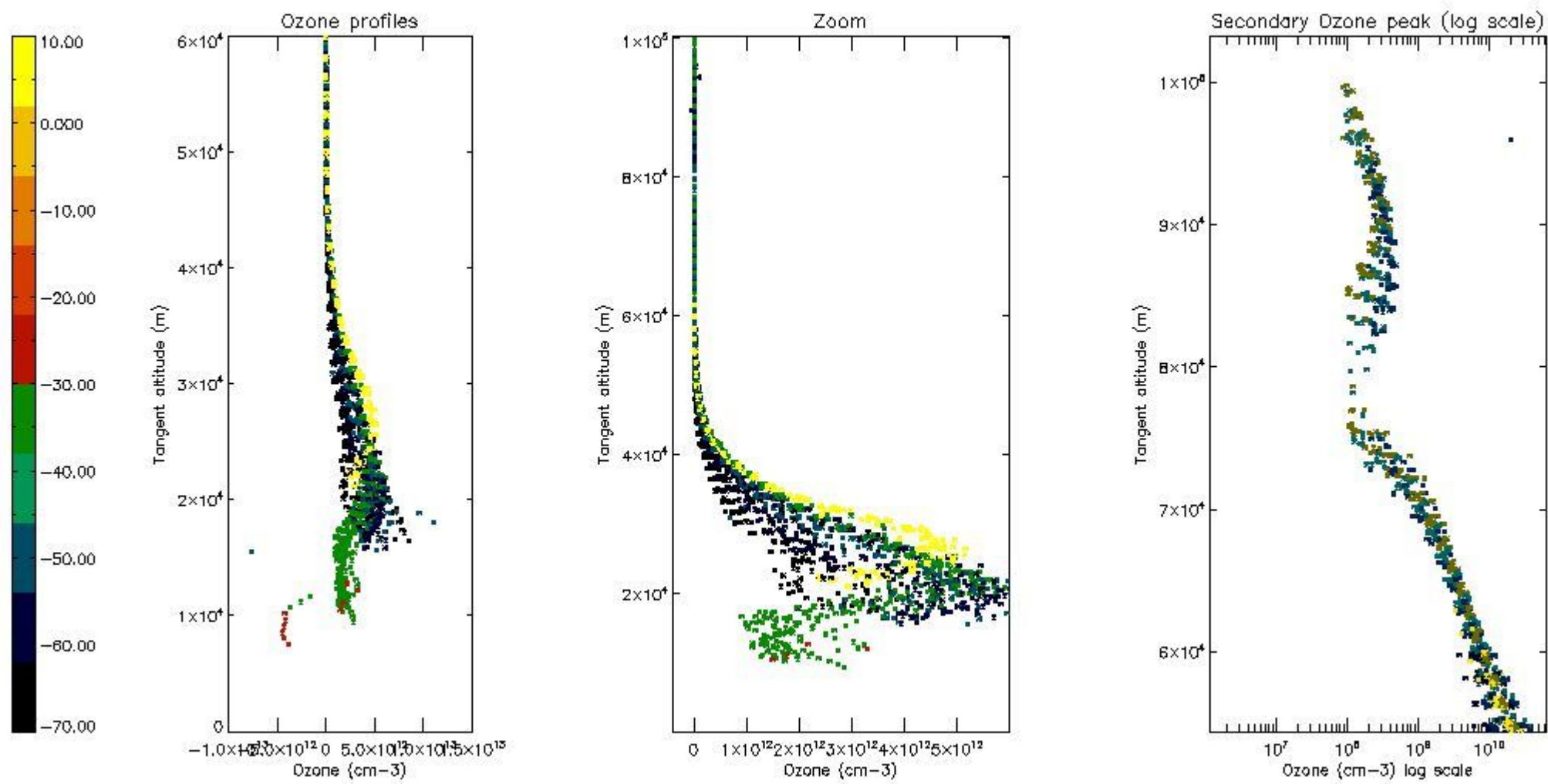
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



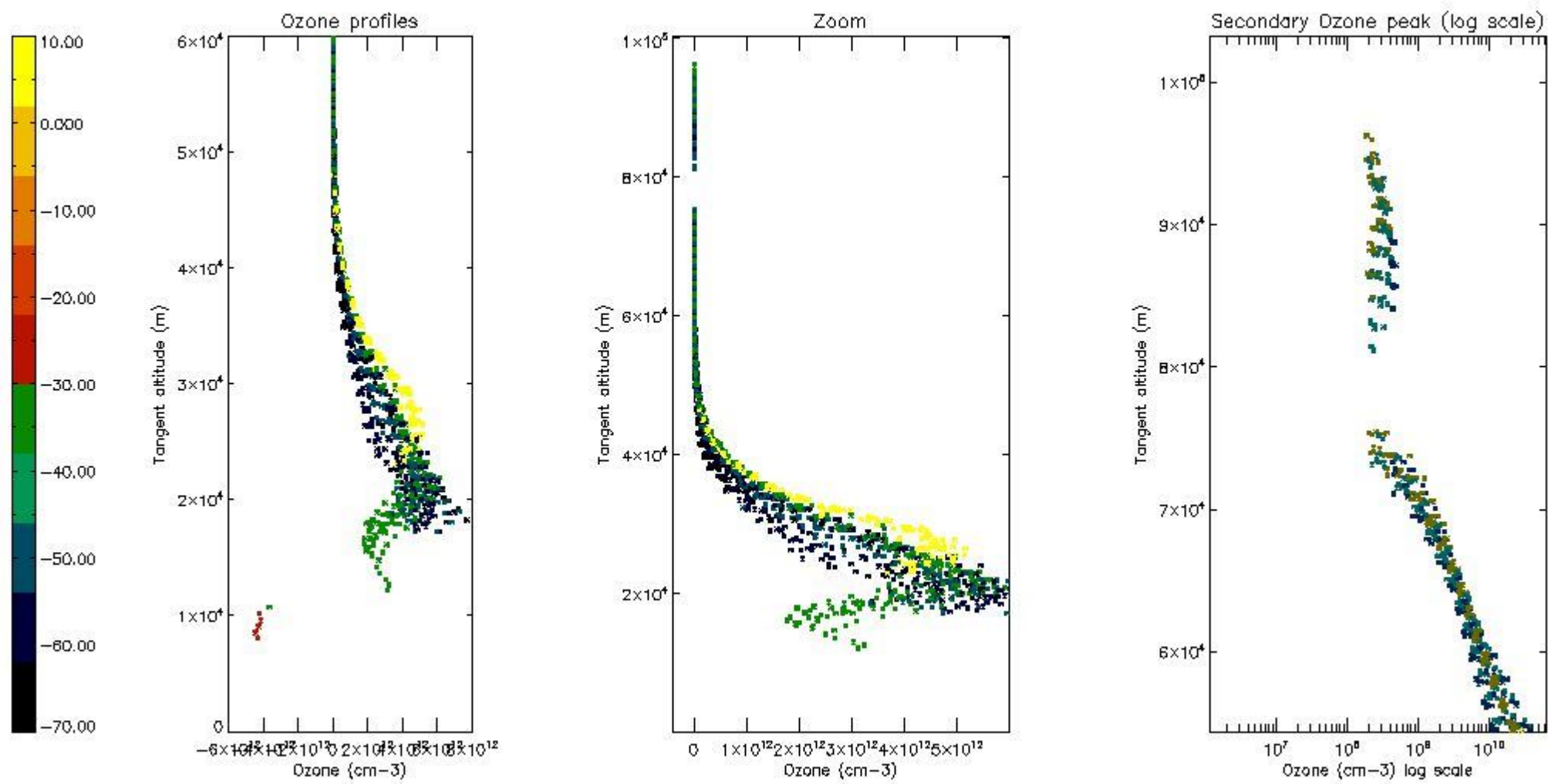
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



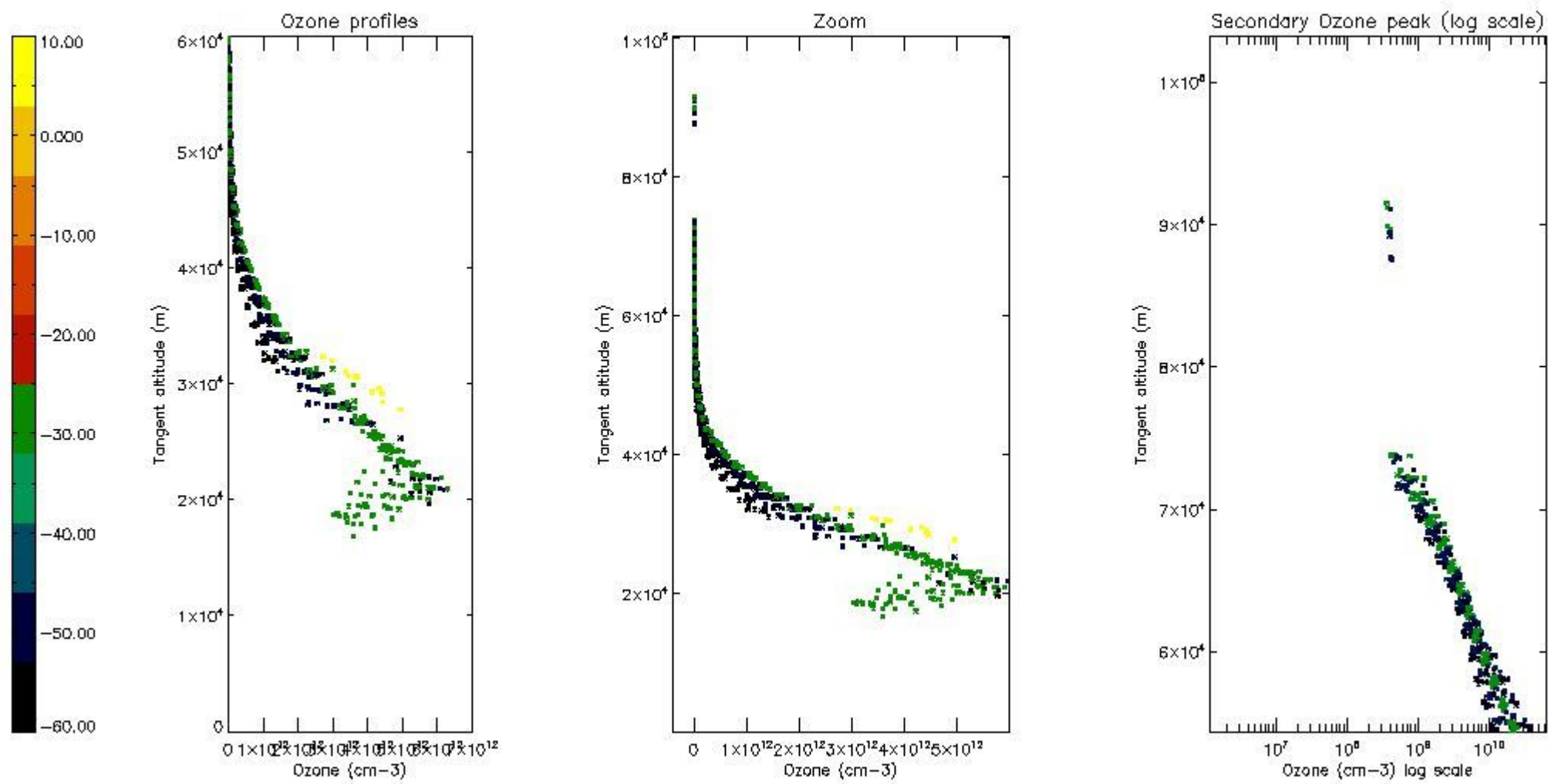
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



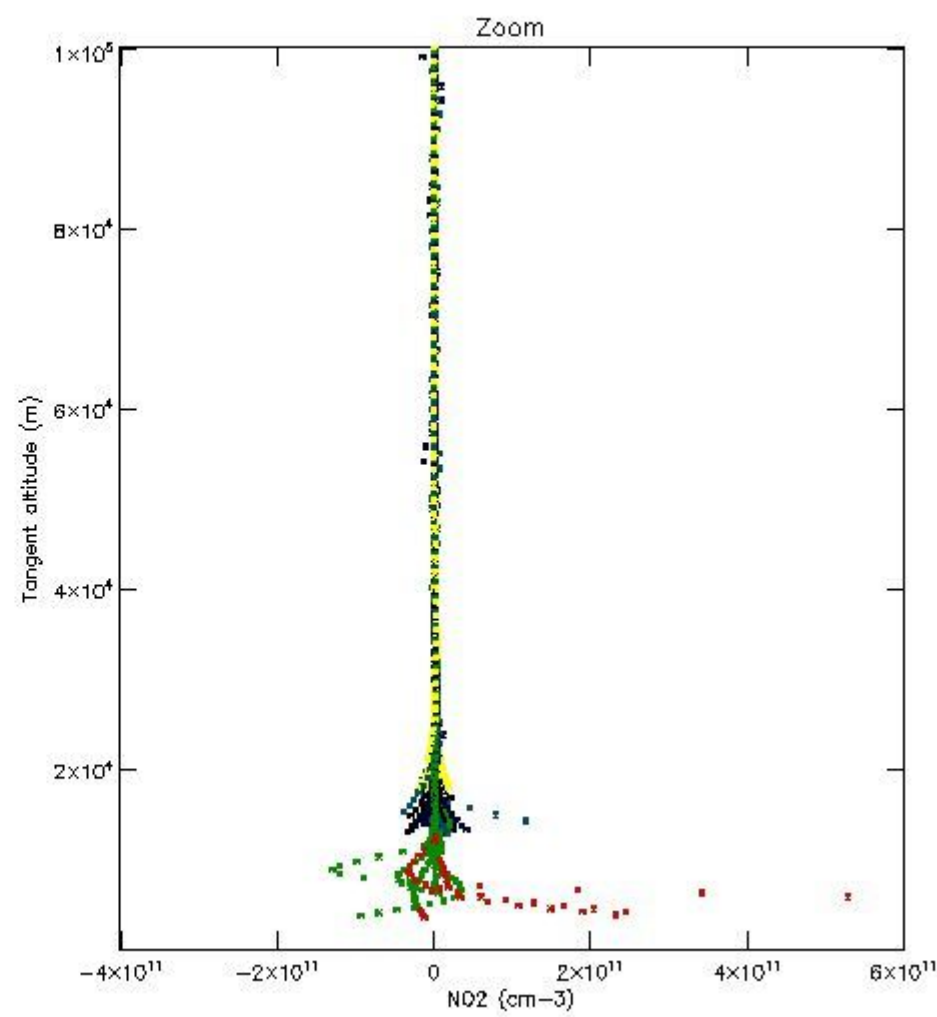
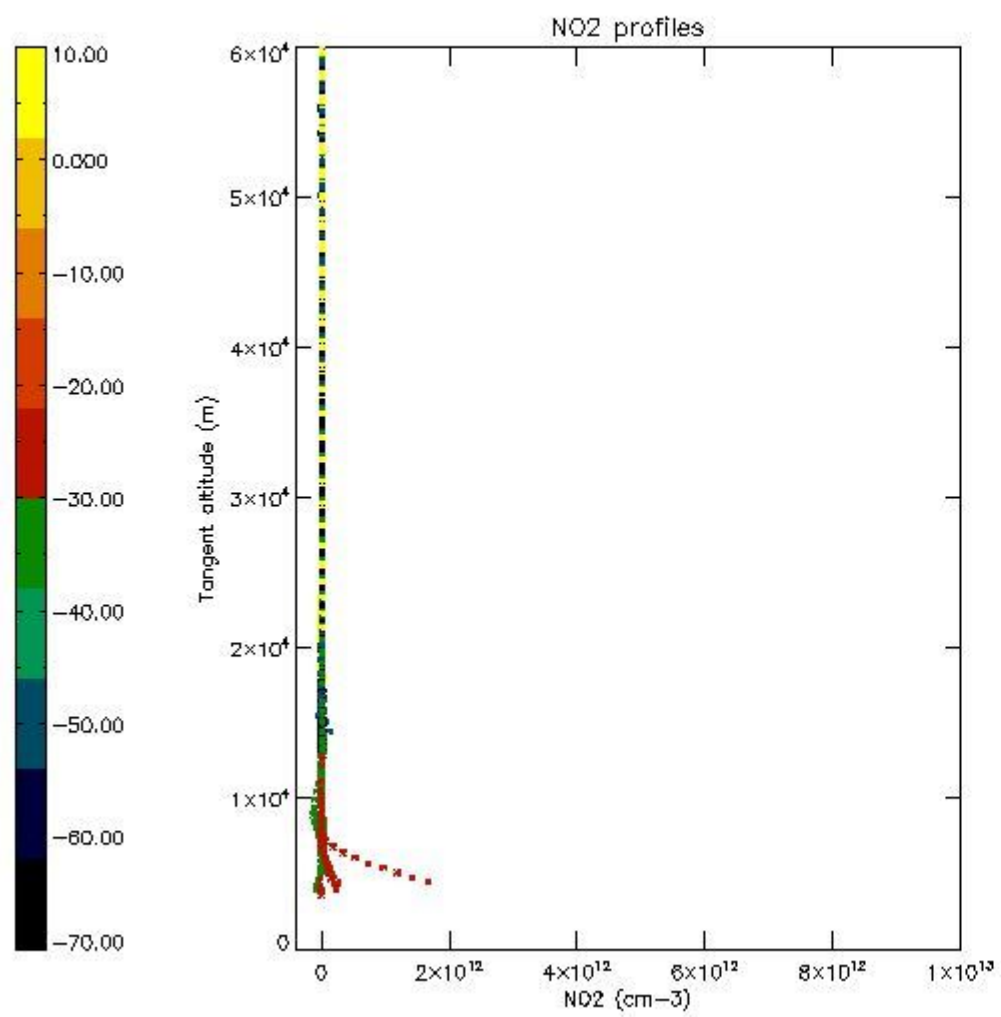
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



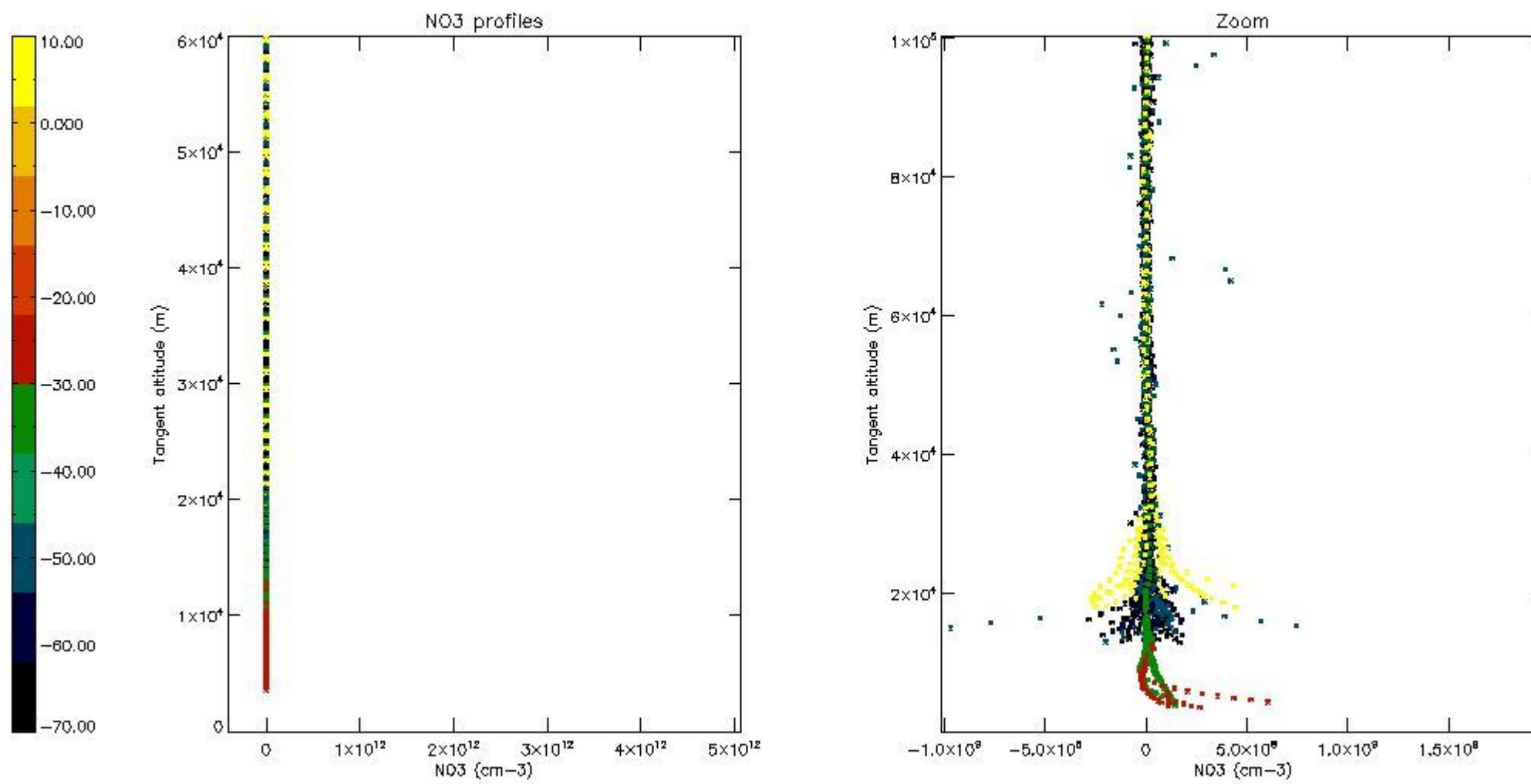
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

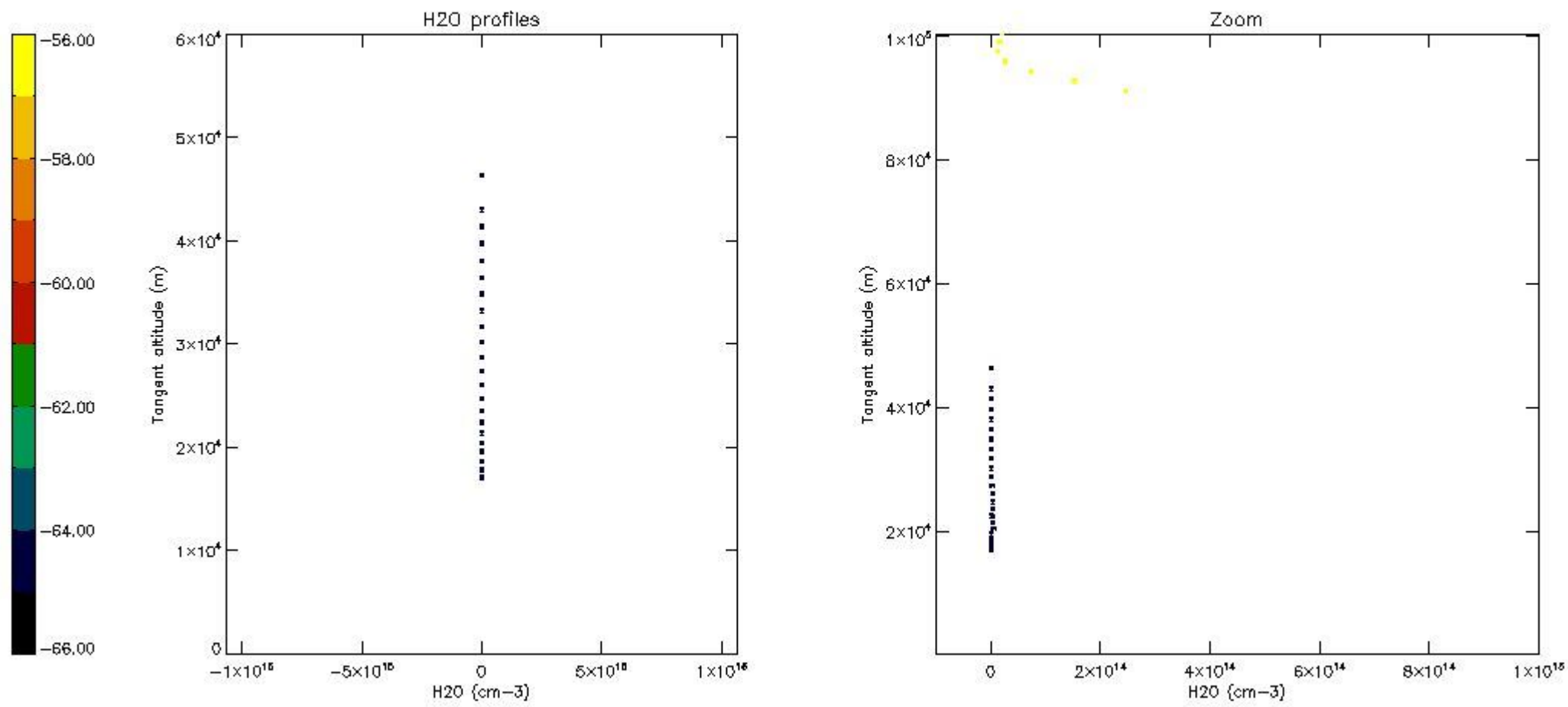
The colorbar represents the latitude.



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

The colorbar represents the latitude.





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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	26-AUG-2005 01:22:46
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	26-AUG-2005 01:22:46
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	26-AUG-2005 01:22:46

# 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	18APR2013 10:35:43
Data source version	GOMOS/6.01
Start time of products	26-08-2005 (26AUG2005 00:00:00)
Stop time of products	27-08-2005 (27AUG2005 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	150
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__2PRFIN20050826_012246_000000412040_00146_18236_6186.N1	26-AUG-2005 01:22:46	Straylight	40.500	45	Alp Pav	1.9400	26000.	81	18236	No
2	GOM_NL__2PRFIN20050826_014120_000000372040_00146_18236_6187.N1	26-AUG-2005 01:41:20	Bright	37.000	11	53Alp Aql	0.76500	8000.0	74	18236	No
3	GOM_NL__2PRFIN20050826_015118_000000352040_00146_18236_6188.N1	26-AUG-2005 01:51:18	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	18236	No
4	GOM_NL__2PRFIN20050826_020304_000000352040_00146_18236_6189.N1	26-AUG-2005 02:03:04	Bright	34.500	60	7Bet UMi	2.0810	3950.0	69	18236	No
5	GOM_NL__2PRFIN20050826_020942_000000382040_00146_18236_6190.N1	26-AUG-2005 02:09:42	Bright	37.500	36	50Alp UMa	1.8000	6300.0	75	18236	No
6	GOM_NL__2PRFIN20050826_023547_000000362040_00146_18236_6191.N1	26-AUG-2005 02:35:47	Dark	35.500	132	15Rho Pup	2.8030	6900.0	71	18236	No
7	GOM_NL__2PRFIN20050826_023716_000000352040_00146_18236_6192.N1	26-AUG-2005 02:37:16	Dark	35.000	37	25Del CMa	1.8300	5900.0	70	18236	No
8	GOM_NL__2PRFIN20050826_024008_000000402040_00146_18236_6193.N1	26-AUG-2005 02:40:08	Dark	39.500	70	Zet Pup	2.2460	39000.	79	18236	No
9	GOM_NL__2PRFIN20050826_024500_000000452040_00146_18236_6194.N1	26-AUG-2005 02:45:00	Dark	44.500	2	Alp Car	-0.73600	7000.0	89	18236	No
10	GOM_NL__2PRFIN20050826_025539_000000372040_00147_18237_6189.N1	26-AUG-2005 02:55:39	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	18237	No
11	GOM_NL__2PRFIN20050826_030110_000000392040_00147_18237_6190.N1	26-AUG-2005 03:01:10	Straylight	38.500	148	Alp Tuc	2.8780	4100.0	77	18237	No
12	GOM_NL__2PRFIN20050826_030322_000000372040_00147_18237_6191.N1	26-AUG-2005 03:03:22	Straylight	37.000	45	Alp Pav	1.9400	26000.	74	18237	No
13	GOM_NL__2PRFIN20050826_032156_000000382040_00147_18237_6192.N1	26-AUG-2005 03:21:56	Bright	37.500	11	53Alp Aql	0.76500	8000.0	75	18237	No
14	GOM_NL__2PRFIN20050826_033154_000000352040_00147_18237_6193.N1	26-AUG-2005 03:31:54	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	18237	No
15	GOM_NL__2PRFIN20050826_034340_000000322040_00147_18237_6194.N1	26-AUG-2005 03:43:40	Bright	32.000	60	7Bet UMi	2.0810	3950.0	64	18237	No
16	GOM_NL__2PRFIN20050826_035018_000000382040_00147_18237_6195.N1	26-AUG-2005 03:50:18	Bright	37.500	36	50Alp UMa	1.8000	6300.0	75	18237	No
17	GOM_NL__2PRFIN20050826_041623_000000382040_00147_18237_6196.N1	26-AUG-2005 04:16:23	Dark	37.500	132	15Rho Pup	2.8030	6900.0	75	18237	No
18	GOM_NL__2PRFIN20050826_041753_000000352040_00147_18237_6197.N1	26-AUG-2005 04:17:53	Dark	35.000	37	25Del CMa	1.8300	5900.0	70	18237	No
19	GOM_NL__2PRFIN20050826_042044_000000392040_00147_18237_6198.N1	26-AUG-2005 04:20:44	Dark	39.000	70	Zet Pup	2.2460	39000.	78	18237	No
20	GOM_NL__2PRFIN20050826_042536_000000442040_00147_18237_6199.N1	26-AUG-2005 04:25:36	Dark	44.000	2	Alp Car	-0.73600	7000.0	88	18237	No
21	GOM_NL__2PRFIN20050826_043615_000000372040_00148_18238_6191.N1	26-AUG-2005 04:36:15	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	18238	No
22	GOM_NL__2PRFIN20050826_044147_000000412040_00148_18238_6192.N1	26-AUG-2005 04:41:47	Straylight	40.500	148	Alp Tuc	2.8780	4100.0	81	18238	No
23	GOM_NL__2PRFIN20050826_044358_000000402040_00148_18238_6193.N1	26-AUG-2005 04:43:58	Straylight	39.500	45	Alp Pav	1.9400	26000.	79	18238	No
24	GOM_NL__2PRFIN20050826_050232_000000382040_00148_18238_6194.N1	26-AUG-2005 05:02:32	Bright	37.500	11	53Alp Aql	0.76500	8000.0	75	18238	No
25	GOM_NL__2PRFIN20050826_051230_000000342040_00148_18238_6195.N1	26-AUG-2005 05:12:30	Bright	34.000	144	18Del Cyg	2.8600	11000.	68	18238	No
26	GOM_NL__2PRFIN20050826_052417_000000342040_00148_18238_6196.N1	26-AUG-2005 05:24:17	Bright	34.000	60	7Bet UMi	2.0810	3950.0	68	18238	No
27	GOM_NL__2PRFIN20050826_053055_000000372040_00148_18238_6197.N1	26-AUG-2005 05:30:55	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	18238	No
28	GOM_NL__2PRFIN20050826_055659_000000372040_00148_18238_6198.N1	26-AUG-2005 05:56:59	Dark	36.500	132	15Rho Pup	2.8030	6900.0	73	18238	No
29	GOM_NL__2PRFIN20050826_055829_000000032040_00148_18238_6199.N1	26-AUG-2005 05:58:29	Dark	3.0000	37	25Del CMa	1.8300	5900.0	6	18238	No
30	GOM_NL__2PRFIN20050826_055856_000000412040_00148_18238_6200.N1	26-AUG-2005 05:58:56	Dark	41.000	88	31Eta CMa	2.4480	20000.	82	18238	No
31	GOM_NL__2PRFIN20050826_060120_000000372040_00148_18238_6201.N1	26-AUG-2005 06:01:20	Dark	37.000	70	Zet Pup	2.2460	39000.	74	18238	No
32	GOM_NL__2PRFIN20050826_060613_000000452040_00148_18238_6202.N1	26-AUG-2005 06:06:13	Dark	44.500	2	Alp Car	-0.73600	7000.0	89	18238	No
33	GOM_NL__2PRFIN20050826_061651_000000372040_00149_18239_6175.N1	26-AUG-2005 06:16:51	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	18239	No
34	GOM_NL__2PRFIN20050826_062223_000000392040_00149_18239_6176.N1	26-AUG-2005 06:22:23	Straylight	38.500	148	Alp Tuc	2.8780	4100.0	77	18239	No
35	GOM_NL__2PRFIN20050826_062434_000000392040_00149_18239_6177.N1	26-AUG-2005 06:24:34	Straylight	38.500	45	Alp Pav	1.9400	26000.	77	18239	No
36	GOM_NL__2PRFIN20050826_064309_000000362040_00149_18239_6178.N1	26-AUG-2005 06:43:09	Bright	35.500	11	53Alp Aql	0.76500	8000.0	71	18239	No
37	GOM_NL__2PRFIN20050826_065307_000000352040_00149_18239_6179.N1	26-AUG-2005 06:53:07	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	18239	No
38	GOM_NL__2PRFIN20050826_070453_000000372040_00149_18239_6180.N1	26-AUG-2005 07:04:53	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	18239	No
39	GOM_NL__2PRFIN20050826_071131_000000372040_00149_18239_6181.N1	26-AUG-2005 07:11:31	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	18239	No
40	GOM_NL__2PRFIN20050826_073735_000000382040_00149_18239_6182.N1	26-AUG-2005 07:37:35	Dark	38.000	132	15Rho Pup	2.8030	6900.0	76	18239	No
41	GOM_NL__2PRFIN20050826_073905_000000032040_00149_18239_6183.N1	26-AUG-2005 07:39:05	Dark	3.0000	37	25Del CMa	1.8300	5900.0	6	18239	No
42	GOM_NL__2PRFIN20050826_073932_000000392040_00149_18239_6184.N1	26-AUG-2005 07:39:32	Dark	39.000	88	31Eta CMa	2.4480	20000.	78	18239	No

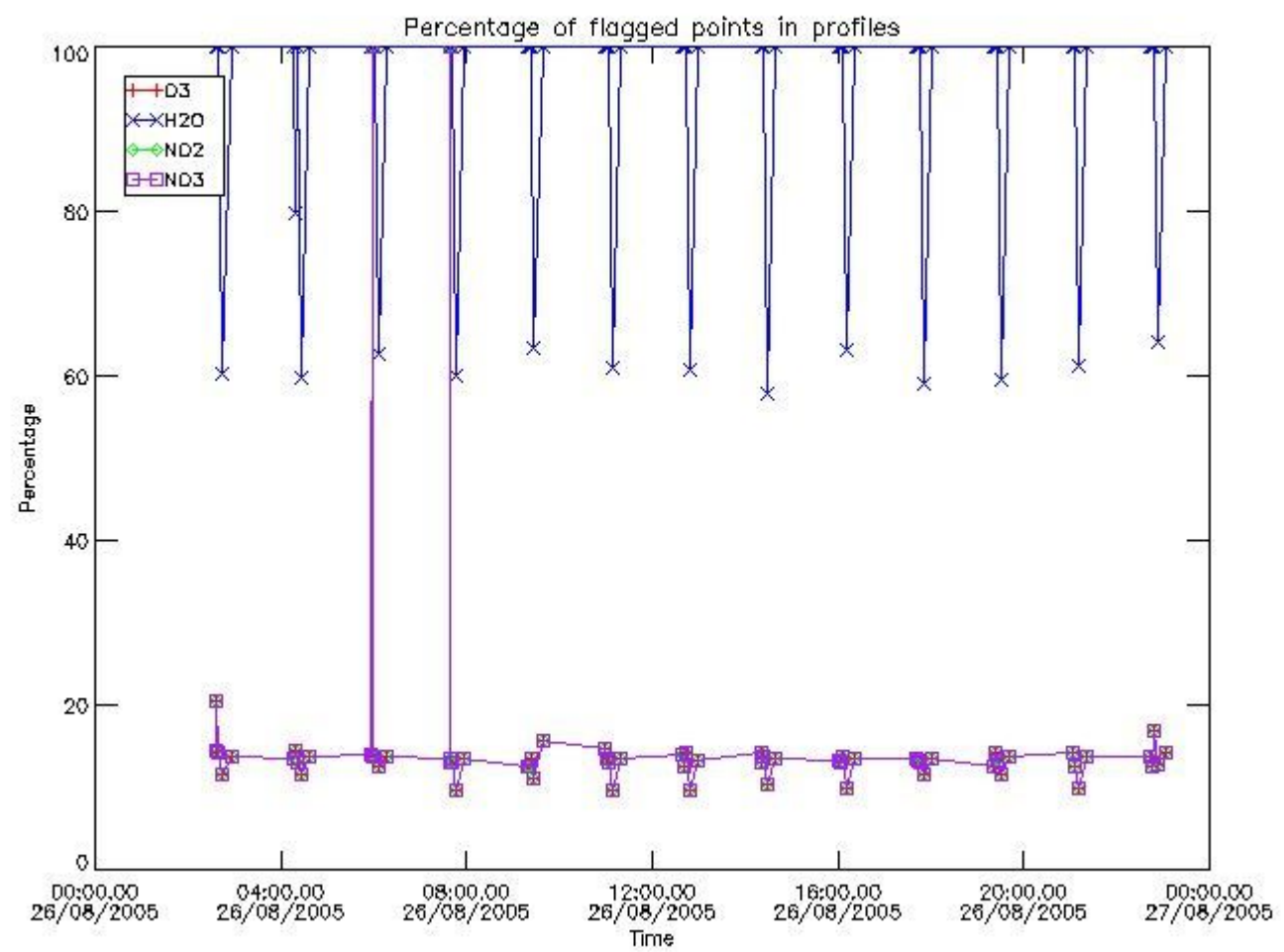
43	GOM_NL__2PRFIN20050826_074156_000000392040_00149_18239_6185.N1	26-AUG-2005 07:41:56	Dark	39.000	70	Zet Pup	2.2460	39000.	78	18239	No
44	GOM_NL__2PRFIN20050826_074649_000000532040_00149_18239_6186.N1	26-AUG-2005 07:46:49	Dark	53.000	2	Alp Car	-0.73600	7000.0	106	18239	No
45	GOM_NL__2PRFIN20050826_075727_000000382040_00150_18240_6178.N1	26-AUG-2005 07:57:27	Dark	37.500	135	Bet Hyi	2.8200	5800.0	75	18240	No
46	GOM_NL__2PRFIN20050826_080259_000000452040_00150_18240_6179.N1	26-AUG-2005 08:02:59	Straylight	44.500	148	Alp Tuc	2.8780	4100.0	89	18240	No
47	GOM_NL__2PRFIN20050826_080510_000000372040_00150_18240_6180.N1	26-AUG-2005 08:05:10	Straylight	37.000	45	Alp Pav	1.9400	26000.	74	18240	No
48	GOM_NL__2PRFIN20050826_082345_000000362040_00150_18240_6181.N1	26-AUG-2005 08:23:45	Bright	35.500	11	53Alp Aql	0.76500	8000.0	71	18240	No
49	GOM_NL__2PRFIN20050826_083343_000000352040_00150_18240_6182.N1	26-AUG-2005 08:33:43	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	18240	No
50	GOM_NL__2PRFIN20050826_084529_000000362040_00150_18240_6183.N1	26-AUG-2005 08:45:29	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	18240	No
51	GOM_NL__2PRFIN20050826_085207_000000362040_00150_18240_6184.N1	26-AUG-2005 08:52:07	Bright	35.500	36	50Alp UMa	1.8000	6300.0	71	18240	No
52	GOM_NL__2PRFIN20050826_091811_000000412040_00150_18240_6185.N1	26-AUG-2005 09:18:11	Dark	40.500	132	15Rho Pup	2.8030	6900.0	81	18240	No
53	GOM_NL__2PRFIN20050826_092009_000000412040_00150_18240_6186.N1	26-AUG-2005 09:20:09	Dark	40.500	88	31Eta CMa	2.4480	20000.	81	18240	No
54	GOM_NL__2PRFIN20050826_092232_000000382040_00150_18240_6187.N1	26-AUG-2005 09:22:32	Dark	38.000	70	Zet Pup	2.2460	39000.	76	18240	No
55	GOM_NL__2PRFIN20050826_092725_000000462040_00150_18240_6188.N1	26-AUG-2005 09:27:25	Dark	45.500	2	Alp Car	-0.73600	7000.0	91	18240	No
56	GOM_NL__2PRFIN20050826_093803_000000362040_00151_18241_6181.N1	26-AUG-2005 09:38:03	Dark	36.000	135	Bet Hyi	2.8200	5800.0	72	18241	No
57	GOM_NL__2PRFIN20050826_094335_000000402040_00151_18241_6182.N1	26-AUG-2005 09:43:35	Straylight	39.500	148	Alp Tuc	2.8780	4100.0	79	18241	No
58	GOM_NL__2PRFIN20050826_094546_000000382040_00151_18241_6183.N1	26-AUG-2005 09:45:46	Straylight	37.500	45	Alp Pav	1.9400	26000.	75	18241	No
59	GOM_NL__2PRFIN20050826_100421_000000382040_00151_18241_6184.N1	26-AUG-2005 10:04:21	Bright	38.000	11	53Alp Aql	0.76500	8000.0	76	18241	No
60	GOM_NL__2PRFIN20050826_101419_000000352040_00151_18241_6185.N1	26-AUG-2005 10:14:19	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	18241	No
61	GOM_NL__2PRFIN20050826_102605_000000372040_00151_18241_6186.N1	26-AUG-2005 10:26:05	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	18241	No
62	GOM_NL__2PRFIN20050826_103243_000000352040_00151_18241_6187.N1	26-AUG-2005 10:32:43	Bright	34.500	36	50Alp UMa	1.8000	6300.0	69	18241	No
63	GOM_NL__2PRFIN20050826_105847_000000382040_00151_18241_6188.N1	26-AUG-2005 10:58:47	Dark	38.000	132	15Rho Pup	2.8030	6900.0	76	18241	No
64	GOM_NL__2PRFIN20050826_110045_000000382040_00151_18241_6189.N1	26-AUG-2005 11:00:45	Dark	38.000	88	31Eta CMa	2.4480	20000.	76	18241	No
65	GOM_NL__2PRFIN20050826_110308_000000402040_00151_18241_6190.N1	26-AUG-2005 11:03:08	Dark	39.500	70	Zet Pup	2.2460	39000.	79	18241	No
66	GOM_NL__2PRFIN20050826_110801_000000532040_00151_18241_6191.N1	26-AUG-2005 11:08:01	Dark	53.000	2	Alp Car	-0.73600	7000.0	106	18241	No
67	GOM_NL__2PRFIN20050826_111839_000000382040_00152_18242_6184.N1	26-AUG-2005 11:18:39	Dark	38.000	135	Bet Hyi	2.8200	5800.0	76	18242	No
68	GOM_NL__2PRFIN20050826_112411_000000392040_00152_18242_6185.N1	26-AUG-2005 11:24:11	Straylight	39.000	148	Alp Tuc	2.8780	4100.0	78	18242	No
69	GOM_NL__2PRFIN20050826_112622_000000382040_00152_18242_6186.N1	26-AUG-2005 11:26:22	Straylight	37.500	45	Alp Pav	1.9400	26000.	75	18242	No
70	GOM_NL__2PRFIN20050826_114457_000000382040_00152_18242_6187.N1	26-AUG-2005 11:44:57	Bright	37.500	11	53Alp Aql	0.76500	8000.0	75	18242	No
71	GOM_NL__2PRFIN20050826_115455_000000352040_00152_18242_6188.N1	26-AUG-2005 11:54:55	Bright	34.500	144	18Del Cyg	2.8600	11000.	69	18242	No
72	GOM_NL__2PRFIN20050826_120641_000000372040_00152_18242_6189.N1	26-AUG-2005 12:06:41	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	18242	No
73	GOM_NL__2PRFIN20050826_121319_000000352040_00152_18242_6190.N1	26-AUG-2005 12:13:19	Bright	34.500	36	50Alp UMa	1.8000	6300.0	69	18242	No
74	GOM_NL__2PRFIN20050826_123923_000000402040_00152_18242_6191.N1	26-AUG-2005 12:39:23	Dark	40.000	132	15Rho Pup	2.8030	6900.0	80	18242	No
75	GOM_NL__2PRFIN20050826_124121_000000412040_00152_18242_6192.N1	26-AUG-2005 12:41:21	Dark	41.000	88	31Eta CMa	2.4480	20000.	82	18242	No
76	GOM_NL__2PRFIN20050826_124344_000000362040_00152_18242_6193.N1	26-AUG-2005 12:43:44	Dark	36.000	70	Zet Pup	2.2460	39000.	72	18242	No
77	GOM_NL__2PRFIN20050826_124838_000000532040_00152_18242_6194.N1	26-AUG-2005 12:48:38	Dark	52.500	2	Alp Car	-0.73600	7000.0	105	18242	No
78	GOM_NL__2PRFIN20050826_125916_000000392040_00153_18243_6187.N1	26-AUG-2005 12:59:16	Dark	38.500	135	Bet Hyi	2.8200	5800.0	77	18243	No
79	GOM_NL__2PRFIN20050826_130447_000000392040_00153_18243_6188.N1	26-AUG-2005 13:04:47	Straylight	39.000	148	Alp Tuc	2.8780	4100.0	78	18243	No
80	GOM_NL__2PRFIN20050826_130658_000000382040_00153_18243_6189.N1	26-AUG-2005 13:06:58	Straylight	37.500	45	Alp Pav	1.9400	26000.	75	18243	No
81	GOM_NL__2PRFIN20050826_132533_000000352040_00153_18243_6190.N1	26-AUG-2005 13:25:33	Bright	35.000	11	53Alp Aql	0.76500	8000.0	70	18243	No
82	GOM_NL__2PRFIN20050826_133531_000000342040_00153_18243_6191.N1	26-AUG-2005 13:35:31	Bright	33.500	144	18Del Cyg	2.8600	11000.	67	18243	No
83	GOM_NL__2PRFIN20050826_134718_000000362040_00153_18243_6192.N1	26-AUG-2005 13:47:18	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	18243	No
84	GOM_NL__2PRFIN20050826_135356_000000362040_00153_18243_6193.N1	26-AUG-2005 13:53:56	Bright	36.000	36	50Alp UMa	1.8000	6300.0	72	18243	No
85	GOM_NL__2PRFIN20050826_141959_000000402040_00153_18243_6194.N1	26-AUG-2005 14:19:59	Dark	39.500	132	15Rho Pup	2.8030	6900.0	79	18243	No
86	GOM_NL__2PRFIN20050826_142157_000000392040_00153_18243_6195.N1	26-AUG-2005 14:21:57	Dark	39.000	88	31Eta CMa	2.4480	20000.	78	18243	No
87	GOM_NL__2PRFIN20050826_142420_000000372040_00153_18243_6196.N1	26-AUG-2005 14:24:20	Dark	37.000	70	Zet Pup	2.2460	39000.	74	18243	No
88	GOM_NL__2PRFIN20050826_142914_000000492040_00153_18243_6197.N1	26-AUG-2005 14:29:14	Dark	49.000	2	Alp Car	-0.73600	7000.0	98	18243	No
89	GOM_NL__2PRFIN20050826_143952_000000382040_00154_18244_6191.N1	26-AUG-2005 14:39:52	Dark	38.000	135	Bet Hyi	2.8200	5800.0	76	18244	No
90	GOM_NL__2PRFIN20050826_144524_000000392040_00154_18244_6192.N1	26-AUG-2005 14:45:24	Straylight	38.500	148	Alp Tuc	2.8780	4100.0	77	18244	No
91	GOM_NL__2PRFIN20050826_144734_000000362040_00154_18244_6193.N1	26-AUG-2005 14:47:34	Straylight	35.500	45	Alp Pav	1.9400	26000.	71	18244	No
92	GOM_NL__2PRFIN20050826_150609_000000362040_00154_18244_6194.N1	26-AUG-2005 15:06:09	Bright	35.500	11	53Alp Aql	0.76500	8000.0	71	18244	No
93	GOM_NL__2PRFIN20050826_151607_000000352040_00154_18244_6195.N1	26-AUG-2005 15:16:07	Bright	34.500	144	18Del Cyg	2.8600	11000.	69	18244	No
94	GOM_NL__2PRFIN20050826_152754_000000342040_00154_18244_6196.N1	26-AUG-2005 15:27:54	Bright	34.000	60	7Bet UMi	2.0810	3950.0	68	18244	No
95	GOM_NL__2PRFIN20050826_153432_000000362040_00154_18244_6197.N1	26-AUG-2005 15:34:32	Bright	36.000	36	50Alp UMa	1.8000	6300.0	72	18244	No
96	GOM_NL__2PRFIN20050826_160036_000000392040_00154_18244_6198.N1	26-AUG-2005 16:00:36	Dark	38.500	132	15Rho Pup	2.8030	6900.0	77	18244	No
97	GOM_NL__2PRFIN20050826_160234_000000402040_00154_18244_6199.N1	26-AUG-2005 16:02:34	Dark	39.500	88	31Eta CMa	2.4480	20000.	79	18244	No
98	GOM_NL__2PRFIN20050826_160457_000000372040_00154_18244_6200.N1	26-AUG-2005 16:04:57	Dark	37.000	70	Zet Pup	2.2460	39000.	74	18244	No
99	GOM_NL__2PRFIN20050826_160950_000000522040_00154_18244_6201.N1	26-AUG-2005 16:09:50	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	18244	No
100	GOM_NL__2PRFIN20050826_162028_000000382040_00155_18245_6174.N1	26-AUG-2005 16:20:28	Dark	38.000	135	Bet Hyi	2.8200	5800.0	76	18245	No
101	GOM_NL__2PRFIN20050826_162600_000000392040_00155_18245_6175.N1	26-AUG-2005 16:26:00	Straylight	38.500	148	Alp Tuc	2.8780	4100.0	77	18245	No

102	GOM_NL__2PRFIN20050826_162810_000000402040_00155_18245_6176.N1	26-AUG-2005 16:28:10	Straylight	40.000	45	Alp Pav	1.9400	26000.	80	18245	No
103	GOM_NL__2PRFIN20050826_164645_000000392040_00155_18245_6177.N1	26-AUG-2005 16:46:45	Bright	38.500	11	53Alp Aql	0.76500	8000.0	77	18245	No
104	GOM_NL__2PRFIN20050826_165643_000000352040_00155_18245_6178.N1	26-AUG-2005 16:56:43	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	18245	No
105	GOM_NL__2PRFIN20050826_170830_000000372040_00155_18245_6179.N1	26-AUG-2005 17:08:30	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	18245	No
106	GOM_NL__2PRFIN20050826_171508_000000372040_00155_18245_6180.N1	26-AUG-2005 17:15:08	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	18245	No
107	GOM_NL__2PRFIN20050826_174112_000000382040_00155_18245_6181.N1	26-AUG-2005 17:41:12	Dark	38.000	132	15Rho Pup	2.8030	6900.0	76	18245	No
108	GOM_NL__2PRFIN20050826_174310_000000392040_00155_18245_6182.N1	26-AUG-2005 17:43:10	Dark	38.500	88	31Eta CMa	2.4480	20000.	77	18245	No
109	GOM_NL__2PRFIN20050826_174533_000000402040_00155_18245_6183.N1	26-AUG-2005 17:45:33	Dark	39.500	70	Zet Pup	2.2460	39000.	79	18245	No
110	GOM_NL__2PRFIN20050826_175027_000000452040_00155_18245_6184.N1	26-AUG-2005 17:50:27	Dark	44.500	2	Alp Car	-0.73600	7000.0	89	18245	No
111	GOM_NL__2PRFIN20050826_180104_000000382040_00156_18246_6177.N1	26-AUG-2005 18:01:04	Dark	38.000	135	Bet Hyi	2.8200	5800.0	76	18246	No
112	GOM_NL__2PRFIN20050826_180636_000000402040_00156_18246_6178.N1	26-AUG-2005 18:06:36	Straylight	39.500	148	Alp Tuc	2.8780	4100.0	79	18246	No
113	GOM_NL__2PRFIN20050826_180846_000000372040_00156_18246_6179.N1	26-AUG-2005 18:08:46	Straylight	36.500	45	Alp Pav	1.9400	26000.	73	18246	No
114	GOM_NL__2PRFIN20050826_182722_000000392040_00156_18246_6180.N1	26-AUG-2005 18:27:22	Bright	39.000	11	53Alp Aql	0.76500	8000.0	78	18246	No
115	GOM_NL__2PRFIN20050826_183719_000000362040_00156_18246_6181.N1	26-AUG-2005 18:37:19	Bright	35.500	144	18Del Cyg	2.8600	11000.	71	18246	No
116	GOM_NL__2PRFIN20050826_184906_000000382040_00156_18246_6182.N1	26-AUG-2005 18:49:06	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	18246	No
117	GOM_NL__2PRFIN20050826_185544_000000422040_00156_18246_6183.N1	26-AUG-2005 18:55:44	Bright	42.000	36	50Alp UMa	1.8000	6300.0	84	18246	No
118	GOM_NL__2PRFIN20050826_192148_000000412040_00156_18246_6184.N1	26-AUG-2005 19:21:48	Dark	40.500	132	15Rho Pup	2.8030	6900.0	81	18246	No
119	GOM_NL__2PRFIN20050826_192346_000000362040_00156_18246_6185.N1	26-AUG-2005 19:23:46	Dark	36.000	88	31Eta CMa	2.4480	20000.	72	18246	No
120	GOM_NL__2PRFIN20050826_192609_000000392040_00156_18246_6186.N1	26-AUG-2005 19:26:09	Dark	38.500	70	Zet Pup	2.2460	39000.	77	18246	No
121	GOM_NL__2PRFIN20050826_193103_000000492040_00156_18246_6187.N1	26-AUG-2005 19:31:03	Dark	48.500	2	Alp Car	-0.73600	7000.0	97	18246	No
122	GOM_NL__2PRFIN20050826_194140_000000372040_00157_18247_6180.N1	26-AUG-2005 19:41:40	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	18247	No
123	GOM_NL__2PRFIN20050826_194712_000000432040_00157_18247_6181.N1	26-AUG-2005 19:47:12	Straylight	42.500	148	Alp Tuc	2.8780	4100.0	85	18247	No
124	GOM_NL__2PRFIN20050826_194922_000000382040_00157_18247_6182.N1	26-AUG-2005 19:49:22	Straylight	38.000	45	Alp Pav	1.9400	26000.	76	18247	No
125	GOM_NL__2PRFIN20050826_200758_000000362040_00157_18247_6183.N1	26-AUG-2005 20:07:58	Bright	35.500	11	53Alp Aql	0.76500	8000.0	71	18247	No
126	GOM_NL__2PRFIN20050826_201755_000000352040_00157_18247_6184.N1	26-AUG-2005 20:17:55	Bright	34.500	144	18Del Cyg	2.8600	11000.	69	18247	No
127	GOM_NL__2PRFIN20050826_202943_000000362040_00157_18247_6185.N1	26-AUG-2005 20:29:43	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	18247	No
128	GOM_NL__2PRFIN20050826_203621_000000362040_00157_18247_6186.N1	26-AUG-2005 20:36:21	Bright	36.000	36	50Alp UMa	1.8000	6300.0	72	18247	No
129	GOM_NL__2PRFIN20050826_210224_000000402040_00157_18247_6187.N1	26-AUG-2005 21:02:24	Dark	39.500	132	15Rho Pup	2.8030	6900.0	79	18247	No
130	GOM_NL__2PRFIN20050826_210422_000000402040_00157_18247_6188.N1	26-AUG-2005 21:04:22	Dark	39.500	88	31Eta CMa	2.4480	20000.	79	18247	No
131	GOM_NL__2PRFIN20050826_210645_000000412040_00157_18247_6189.N1	26-AUG-2005 21:06:45	Dark	40.500	70	Zet Pup	2.2460	39000.	81	18247	No
132	GOM_NL__2PRFIN20050826_211139_000000522040_00157_18247_6190.N1	26-AUG-2005 21:11:39	Dark	52.000	2	Alp Car	-0.73600	7000.0	104	18247	No
133	GOM_NL__2PRFIN20050826_212216_000000372040_00158_18248_6182.N1	26-AUG-2005 21:22:16	Dark	37.000	135	Bet Hyi	2.8200	5800.0	74	18248	No
134	GOM_NL__2PRFIN20050826_212748_000000402040_00158_18248_6183.N1	26-AUG-2005 21:27:48	Straylight	40.000	148	Alp Tuc	2.8780	4100.0	80	18248	No
135	GOM_NL__2PRFIN20050826_212958_000000372040_00158_18248_6184.N1	26-AUG-2005 21:29:58	Straylight	36.500	45	Alp Pav	1.9400	26000.	73	18248	No
136	GOM_NL__2PRFIN20050826_214834_000000372040_00158_18248_6185.N1	26-AUG-2005 21:48:34	Bright	36.500	11	53Alp Aql	0.76500	8000.0	73	18248	No
137	GOM_NL__2PRFIN20050826_215831_000000352040_00158_18248_6186.N1	26-AUG-2005 21:58:31	Bright	35.000	144	18Del Cyg	2.8600	11000.	70	18248	No
138	GOM_NL__2PRFIN20050826_221019_000000362040_00158_18248_6187.N1	26-AUG-2005 22:10:19	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	18248	No
139	GOM_NL__2PRFIN20050826_221657_000000372040_00158_18248_6188.N1	26-AUG-2005 22:16:57	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	18248	No
140	GOM_NL__2PRFIN20050826_224300_000000372040_00158_18248_6189.N1	26-AUG-2005 22:43:00	Dark	37.000	132	15Rho Pup	2.8030	6900.0	74	18248	No
141	GOM_NL__2PRFIN20050826_224458_000000412040_00158_18248_6190.N1	26-AUG-2005 22:44:58	Dark	40.500	88	31Eta CMa	2.4480	20000.	81	18248	No
142	GOM_NL__2PRFIN20050826_224720_000000392040_00158_18248_6191.N1	26-AUG-2005 22:47:20	Dark	39.000	70	Zet Pup	2.2460	39000.	78	18248	No
143	GOM_NL__2PRFIN20050826_225216_000000442040_00158_18248_6192.N1	26-AUG-2005 22:52:16	Dark	43.500	2	Alp Car	-0.73600	7000.0	87	18248	No
144	GOM_NL__2PRFIN20050826_230252_000000362040_00159_18249_6222.N1	26-AUG-2005 23:02:52	Dark	36.000	135	Bet Hyi	2.8200	5800.0	72	18249	No
145	GOM_NL__2PRFIN20050826_230825_000000412040_00159_18249_6223.N1	26-AUG-2005 23:08:25	Straylight	41.000	148	Alp Tuc	2.8780	4100.0	82	18249	No
146	GOM_NL__2PRFIN20050826_231034_000000412040_00159_18249_6224.N1	26-AUG-2005 23:10:34	Straylight	41.000	45	Alp Pav	1.9400	26000.	82	18249	No
147	GOM_NL__2PRFIN20050826_232910_000000382040_00159_18249_6225.N1	26-AUG-2005 23:29:10	Bright	38.000	11	53Alp Aql	0.76500	8000.0	76	18249	No
148	GOM_NL__2PRFIN20050826_233907_000000352040_00159_18249_6226.N1	26-AUG-2005 23:39:07	Bright	34.500	144	18Del Cyg	2.8600	11000.	69	18249	No
149	GOM_NL__2PRFIN20050826_235055_000000352040_00159_18249_6227.N1	26-AUG-2005 23:50:55	Bright	34.500	60	7Bet UMi	2.0810	3950.0	69	18249	No
150	GOM_NL__2PRFIN20050826_235733_000000372040_00159_18249_6228.N1	26-AUG-2005 23:57:33	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	18249	No

### 3. Quality information per product

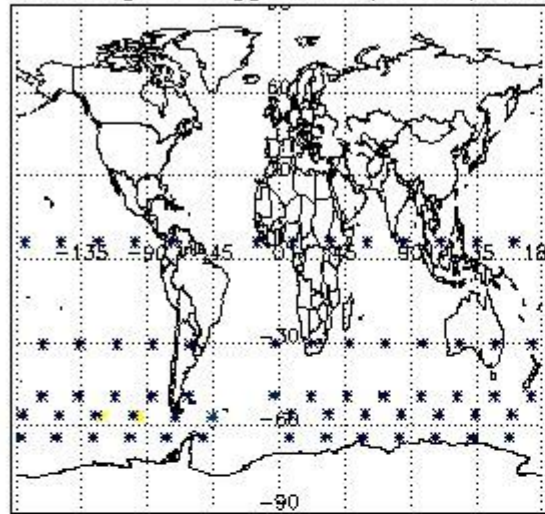
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

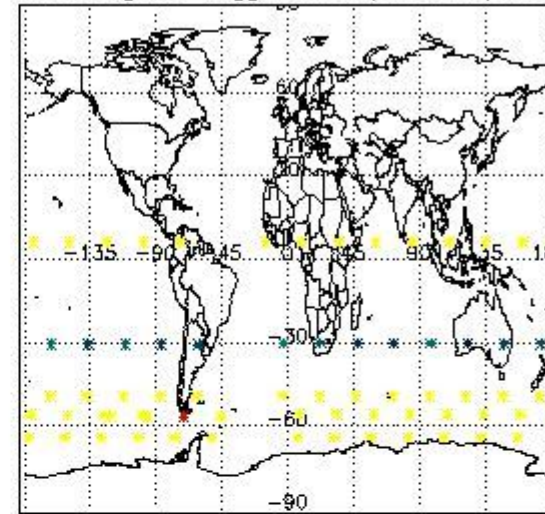


3.2 Plot quality information per product (world map)

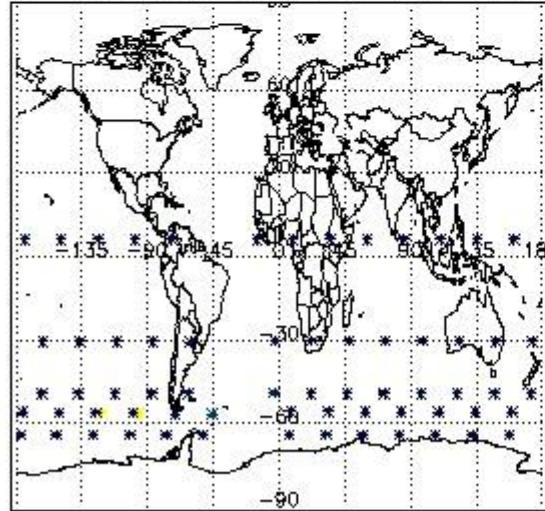
Percentage of flagged data per O3 profile



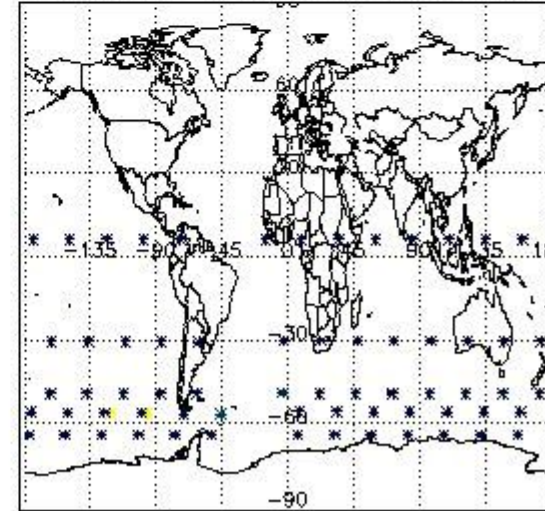
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

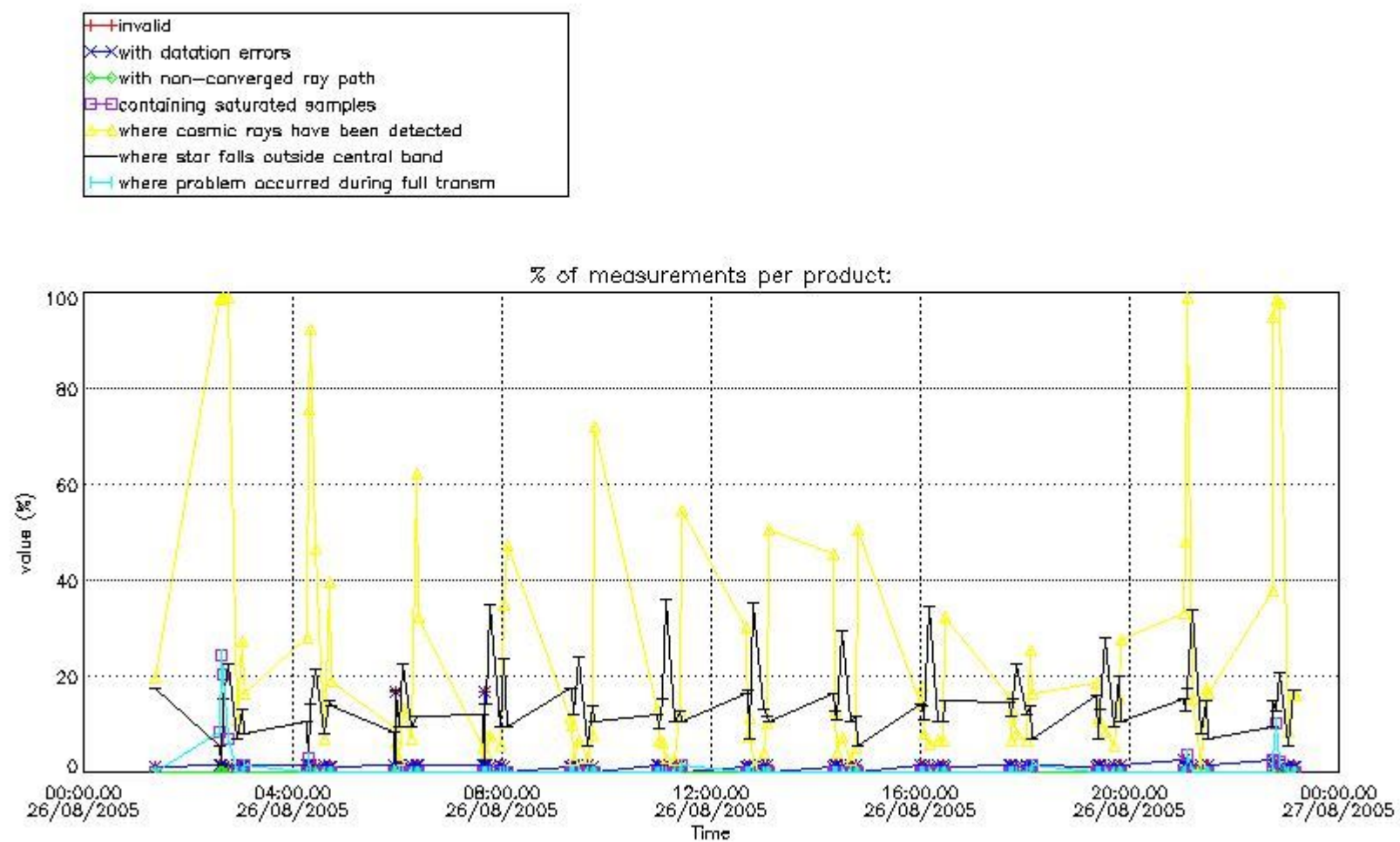


#### 4. Level 1 quality information per product

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

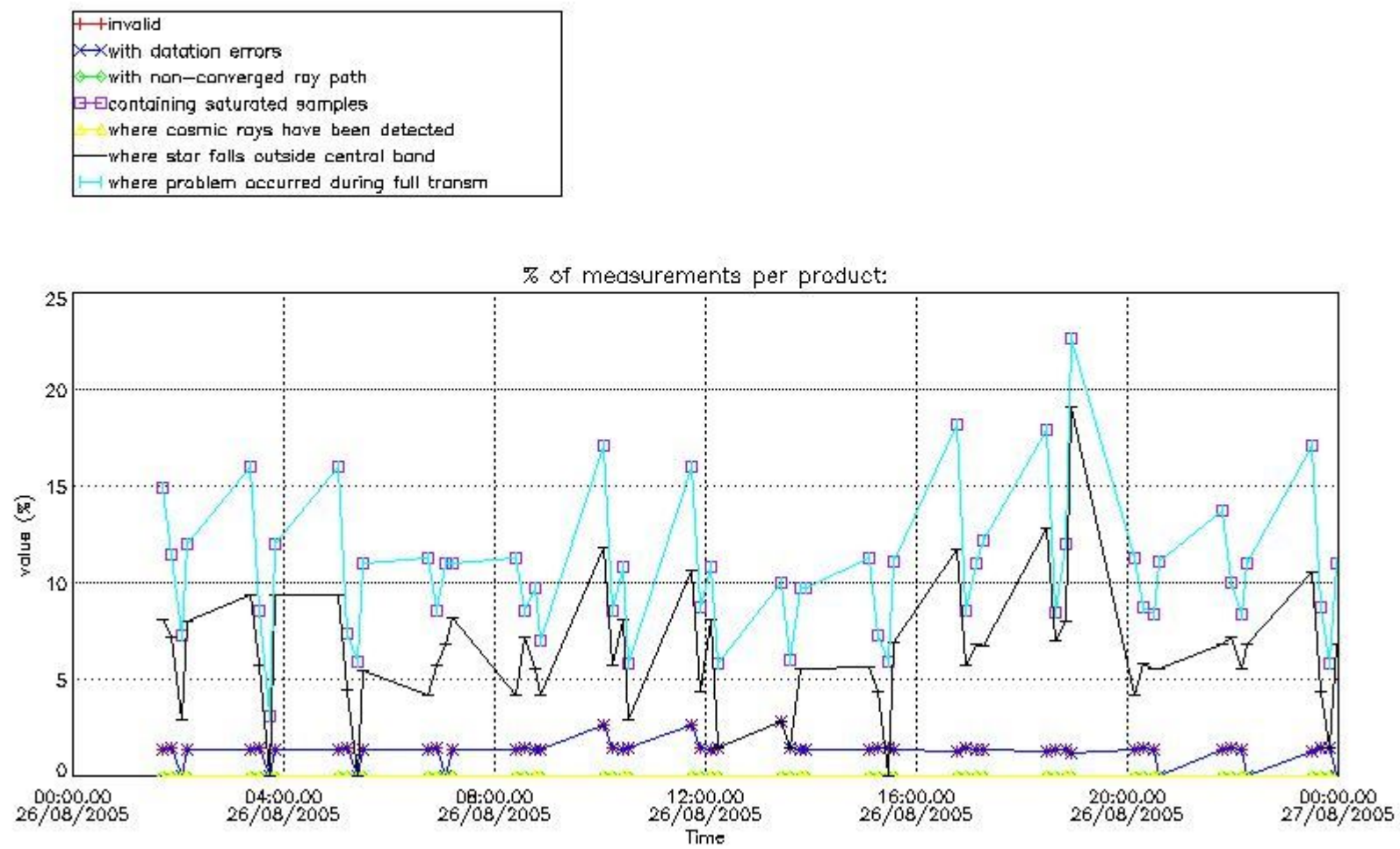
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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



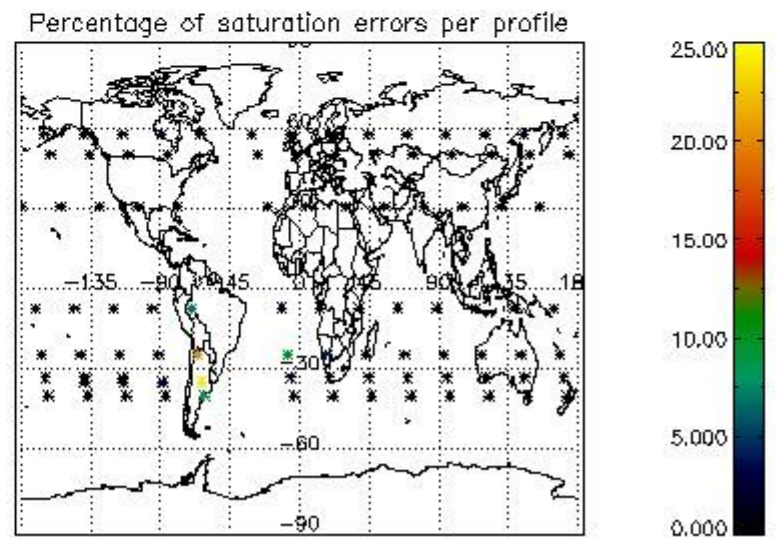
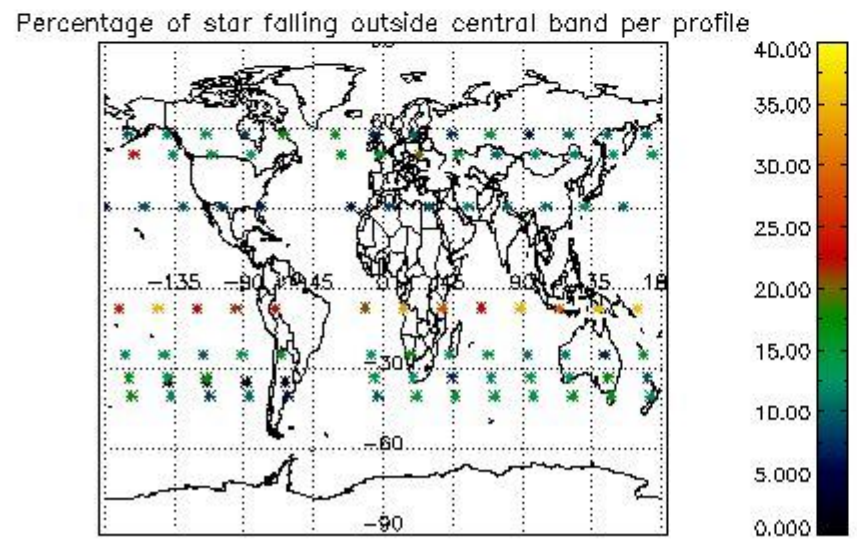
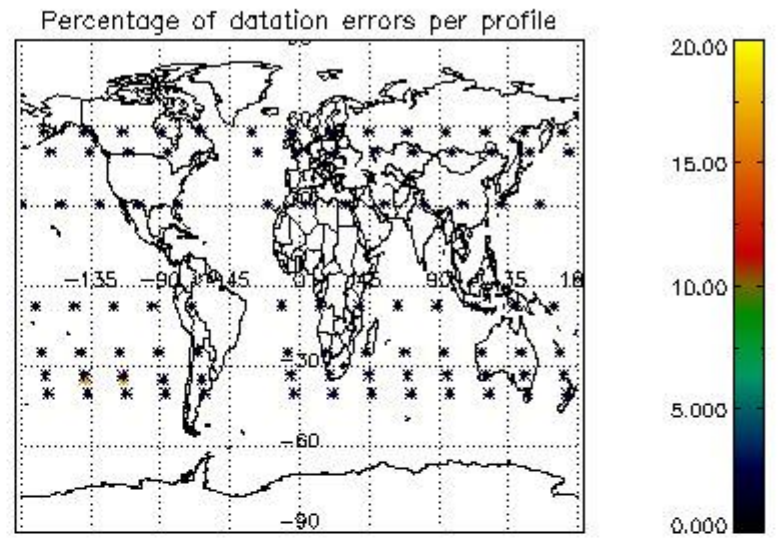
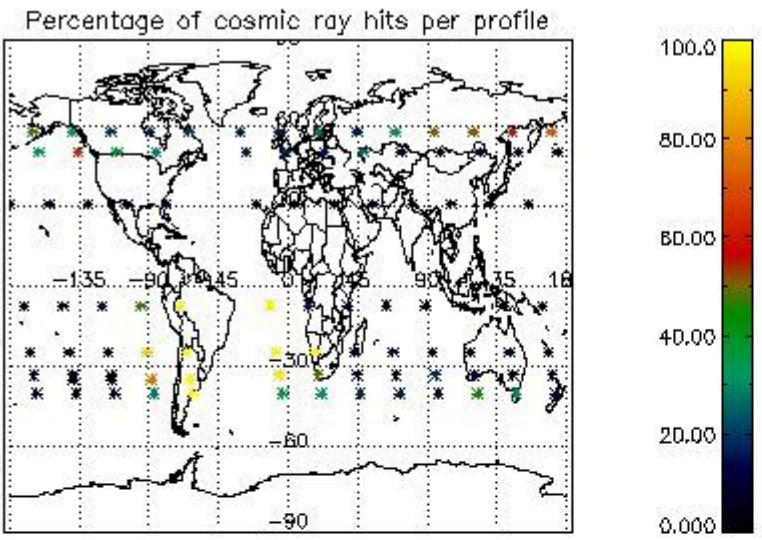
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes





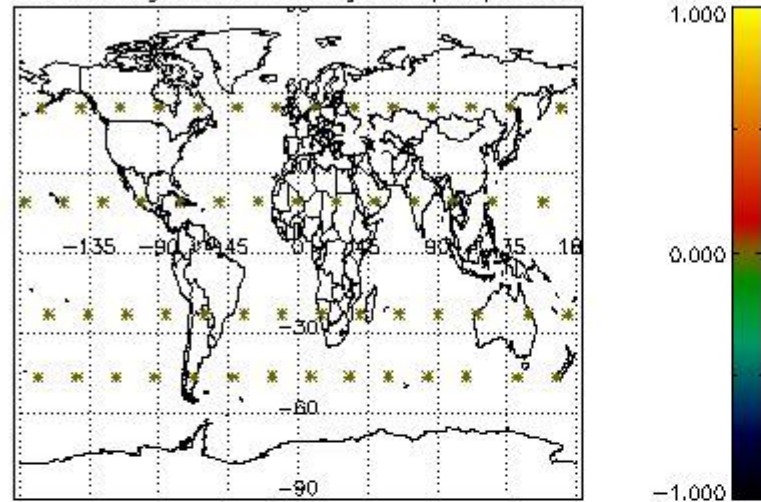
*4.2 Plot quality information per product coming from level 1b processing (world map)*

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

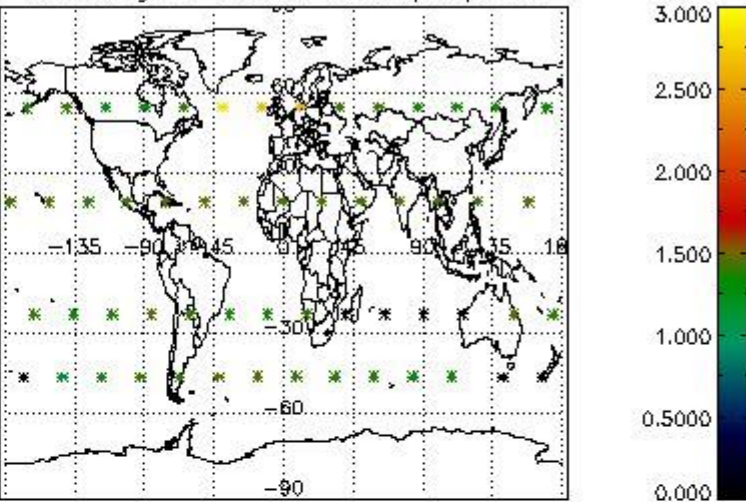


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

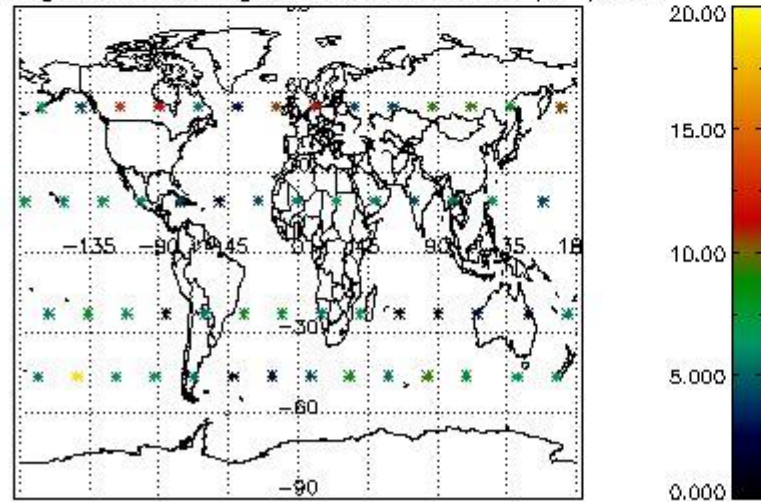
Percentage of cosmic ray hits per profile



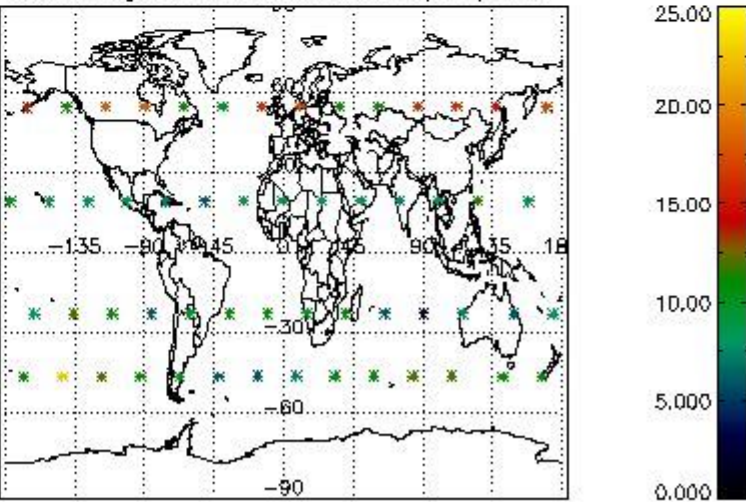
Percentage of datation errors per profile



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

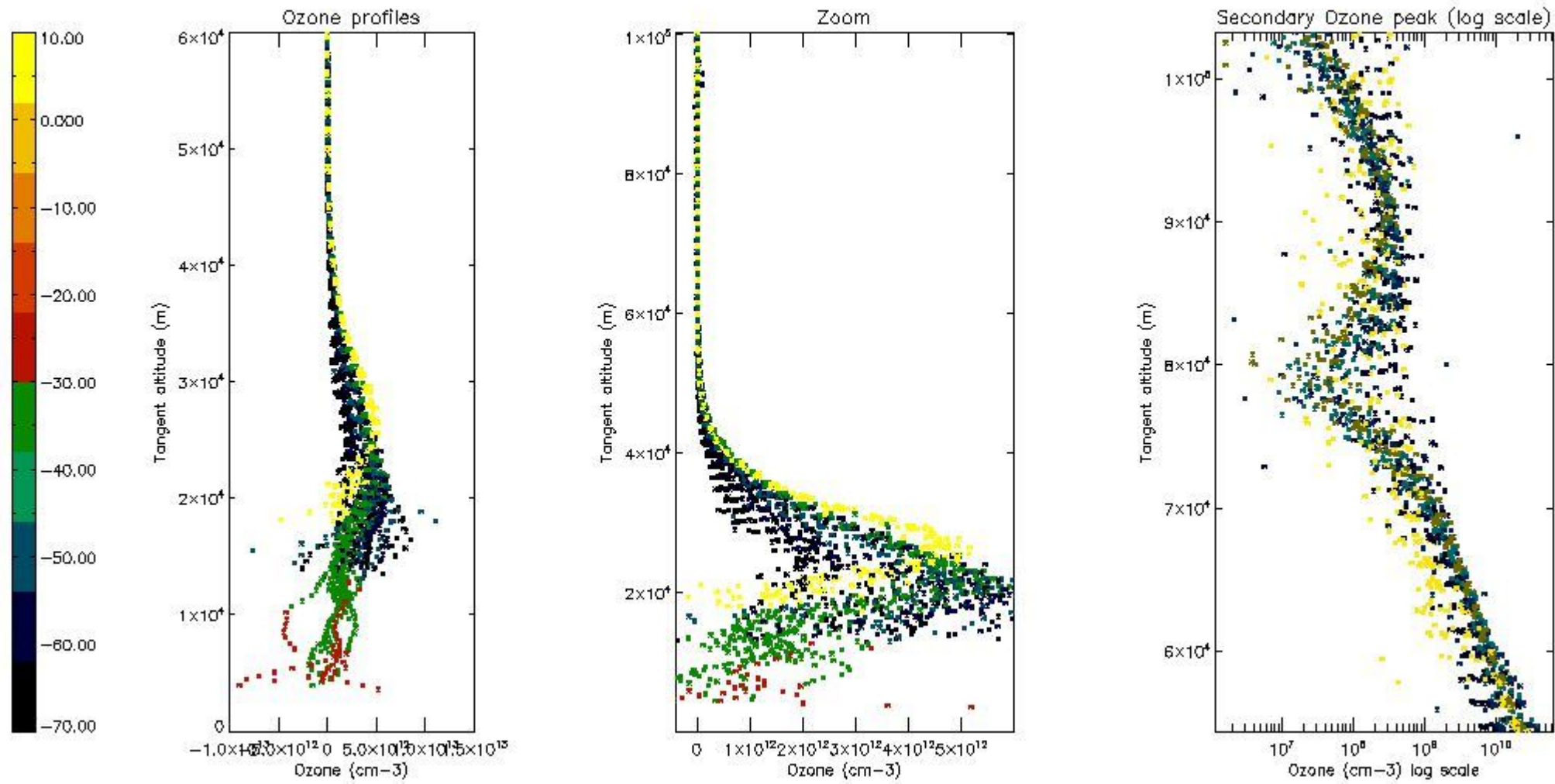
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	47
STD < 20	27

STD < 10	20
STD < 5	12

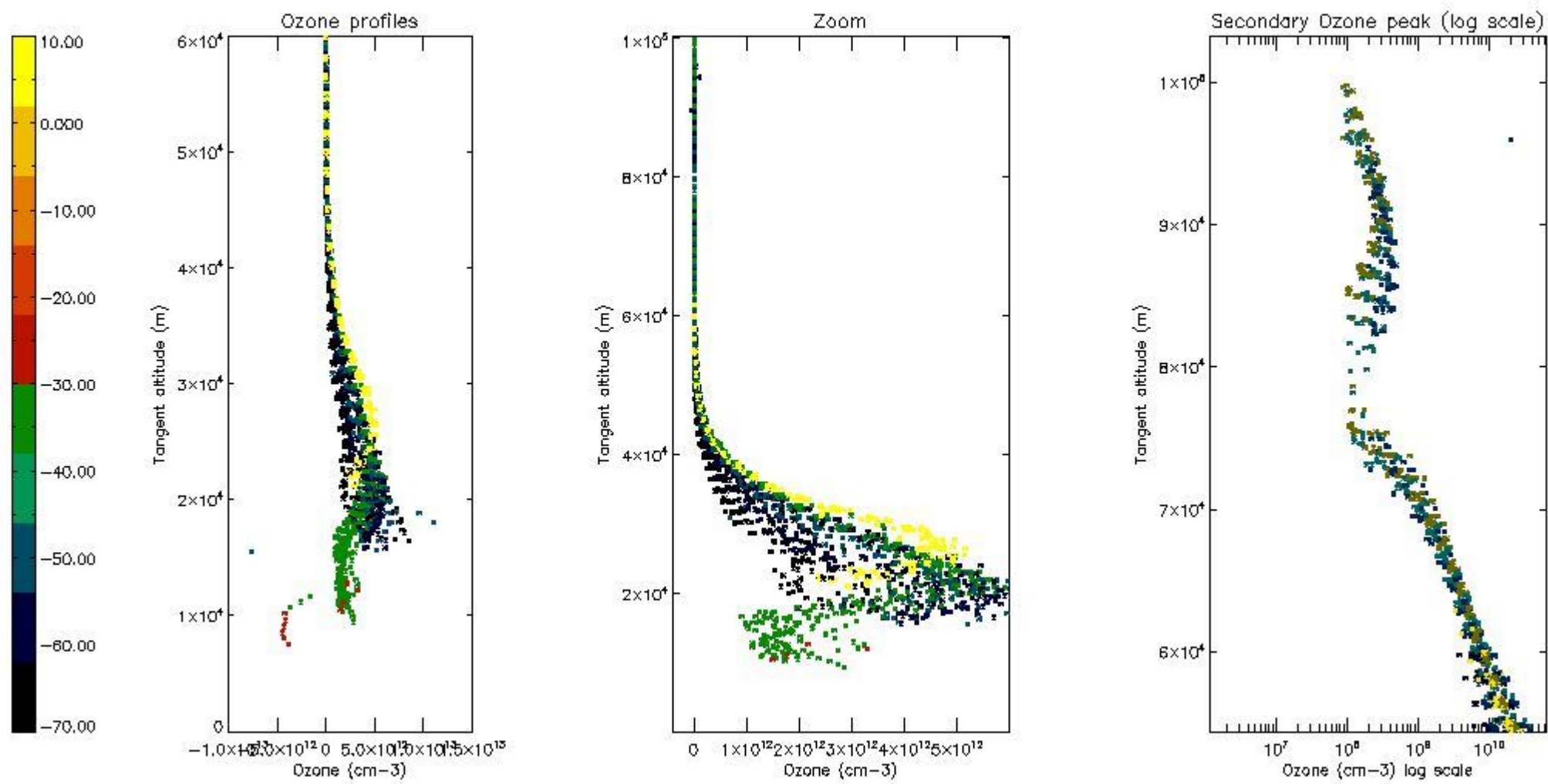
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



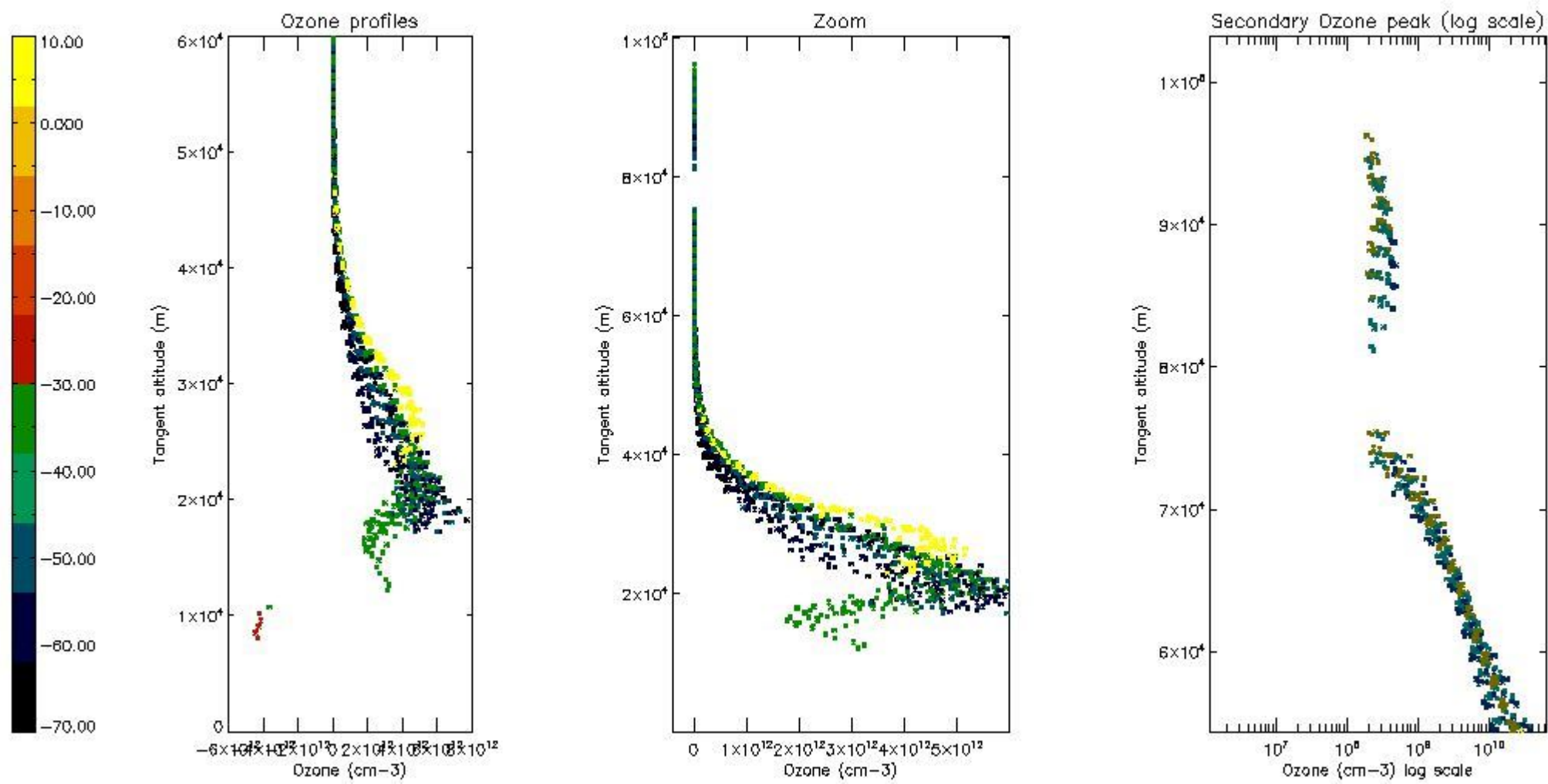
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



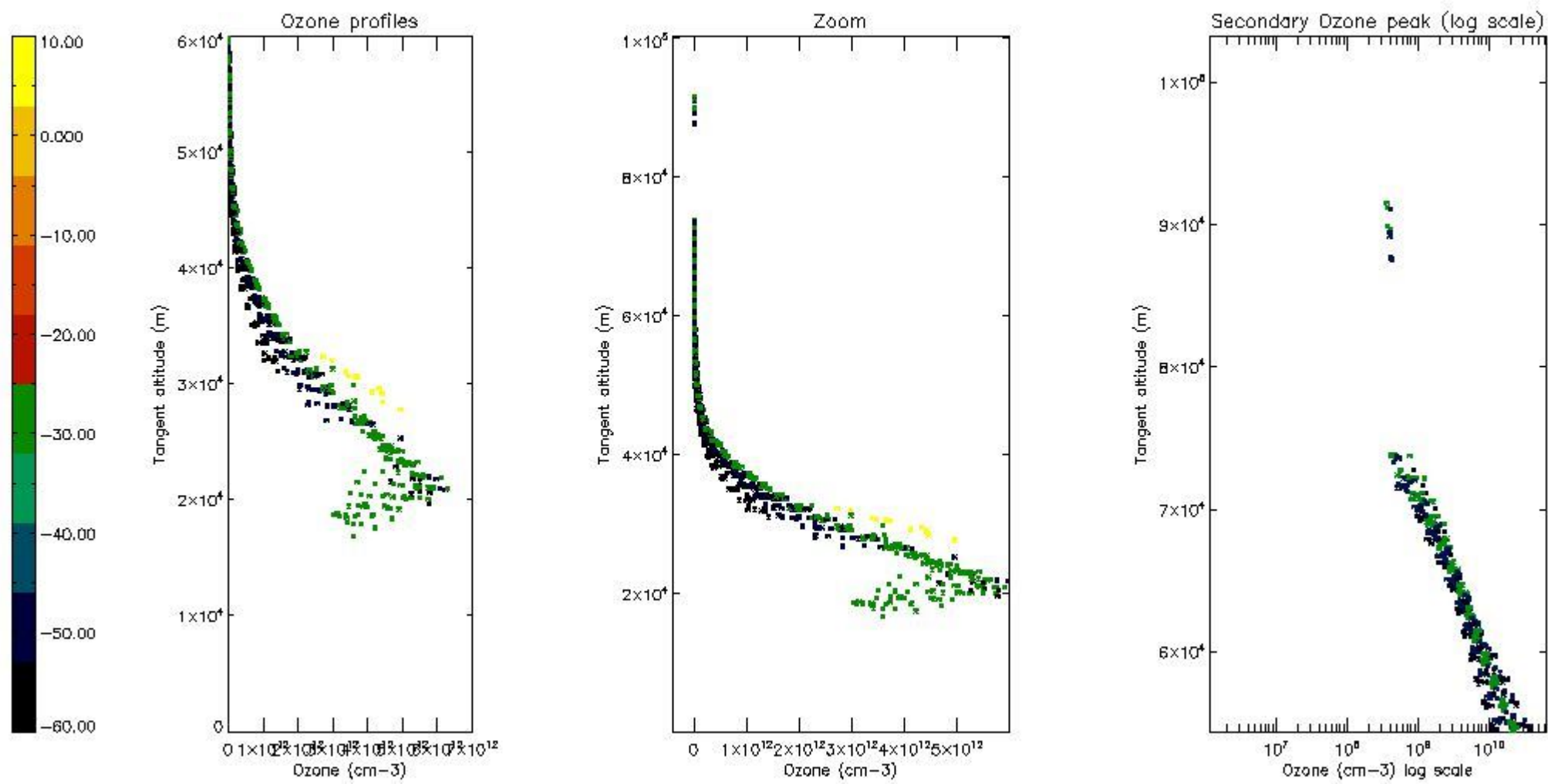
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



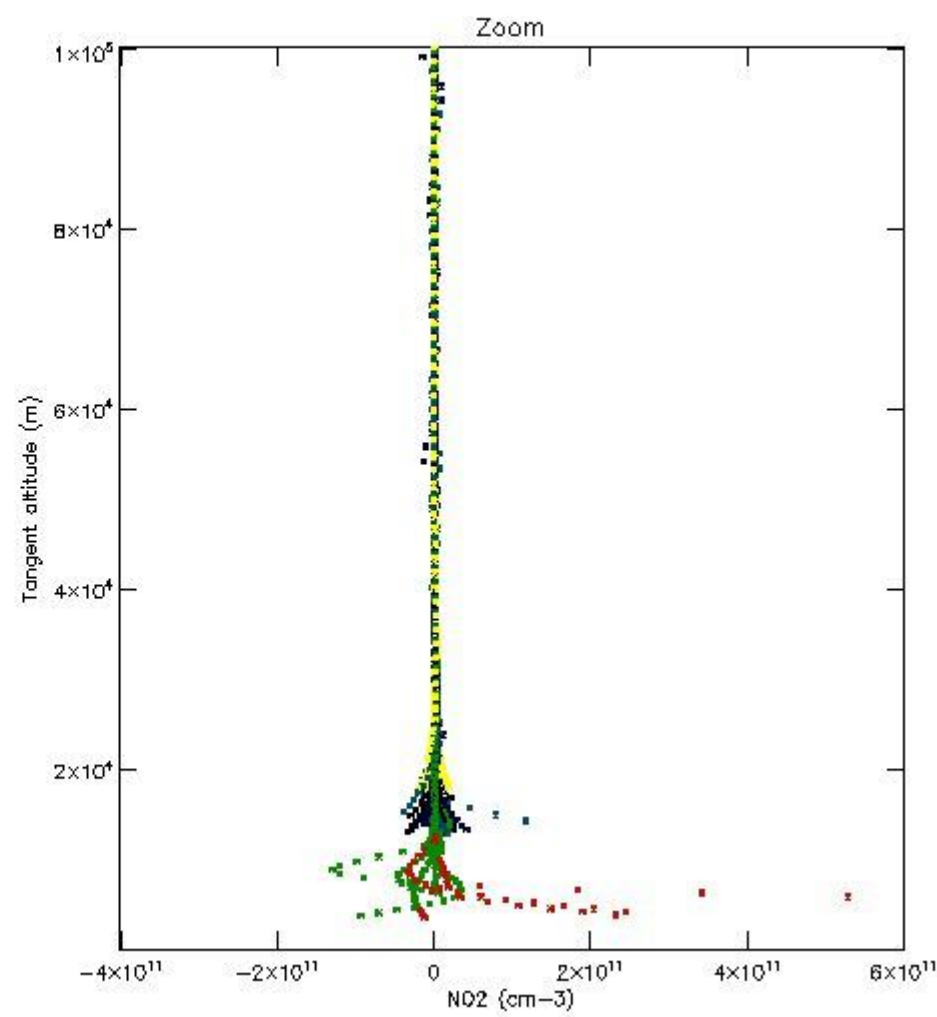
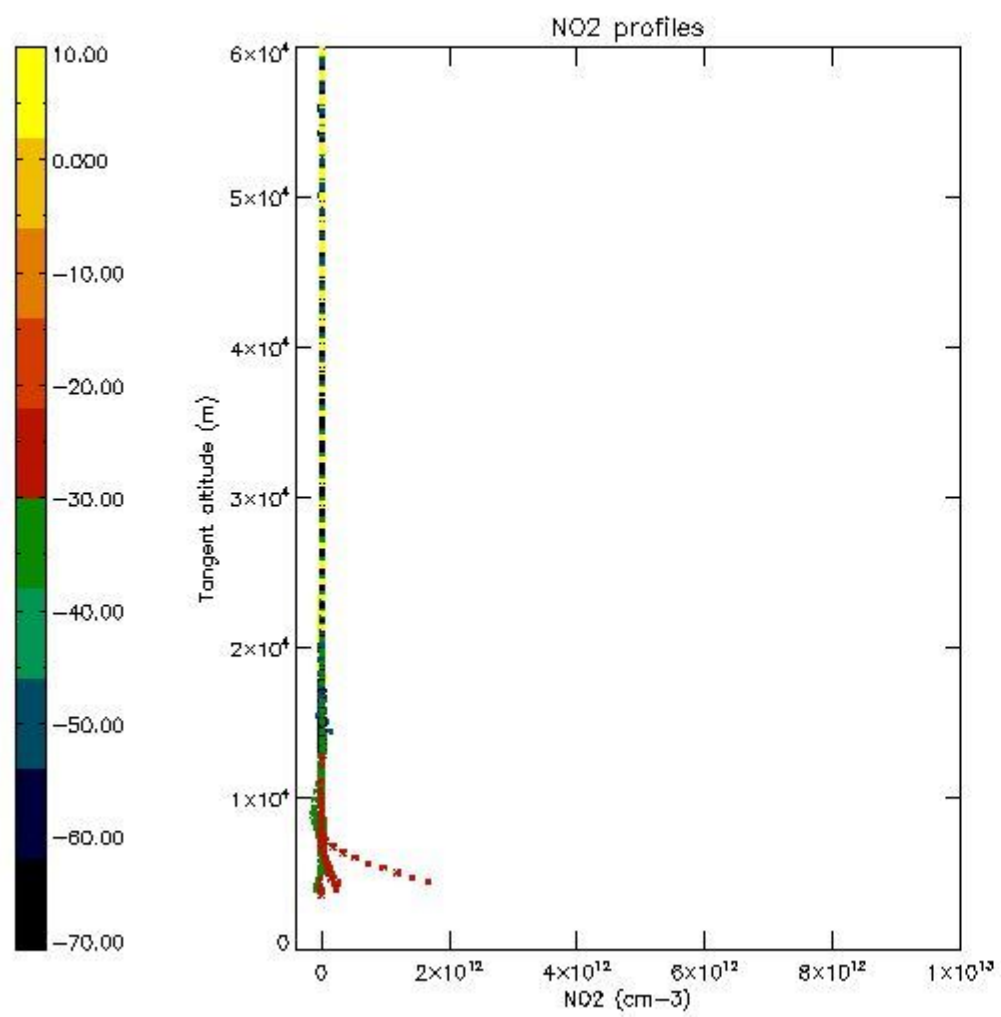
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



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

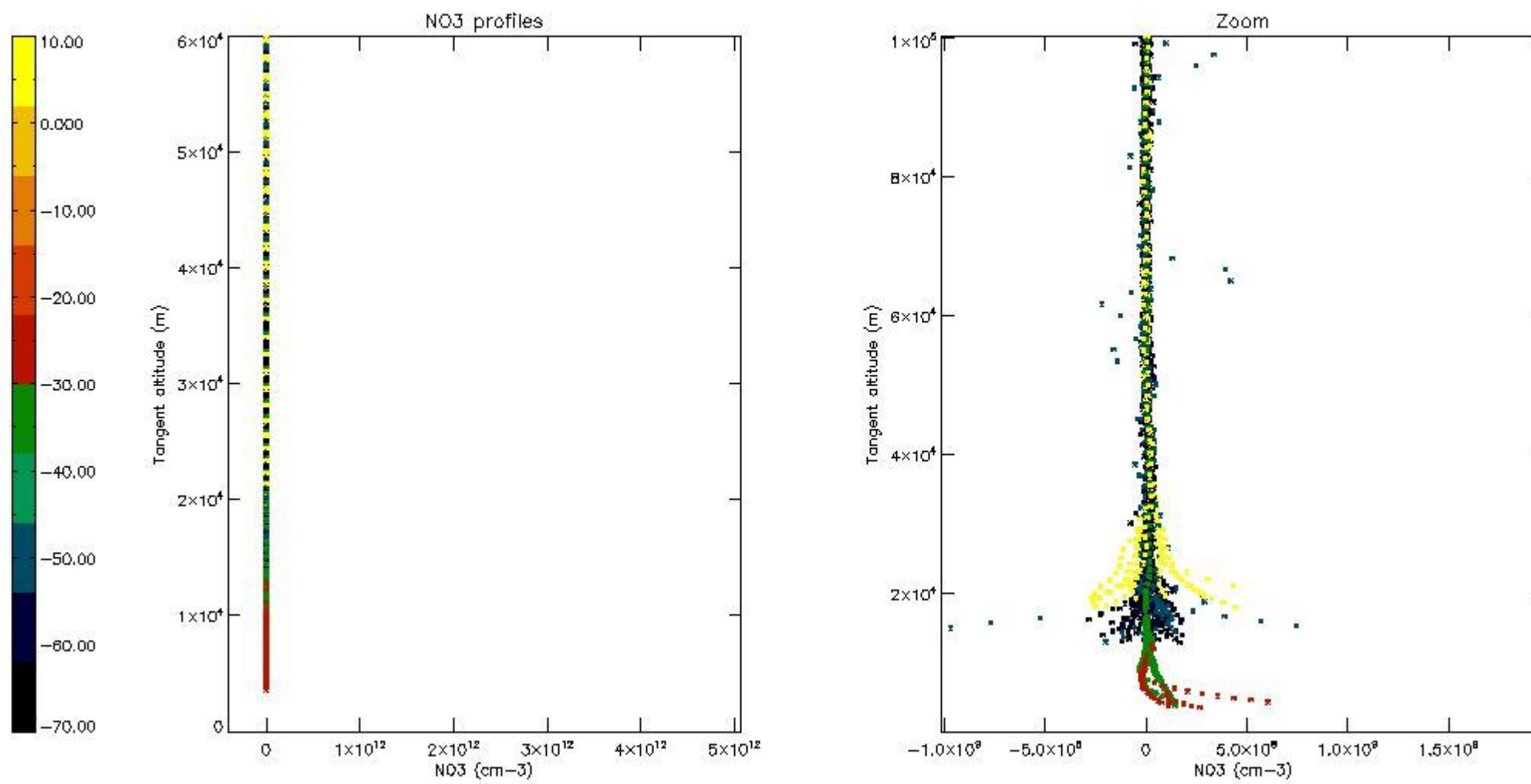
The colorbar represents the latitude.



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

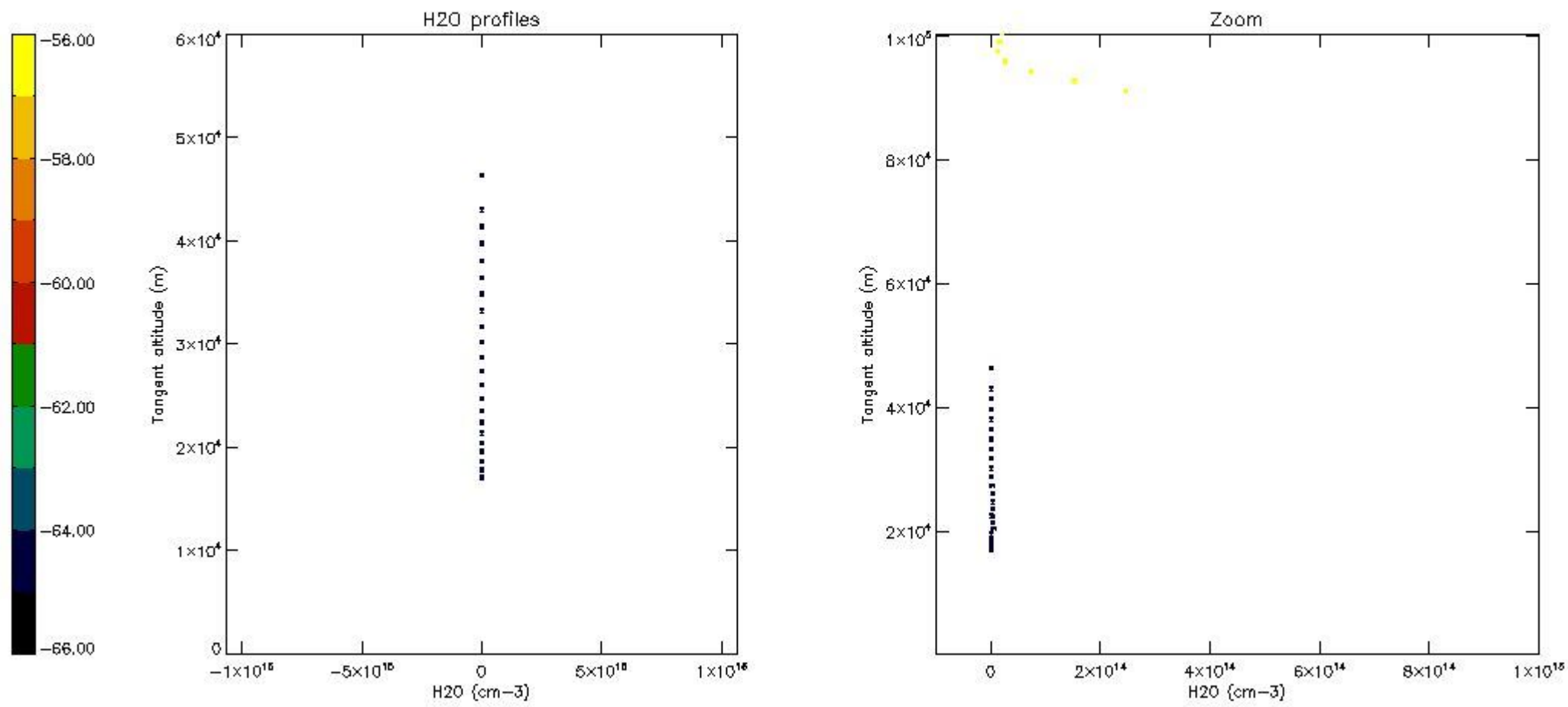
The colorbar represents the latitude.





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

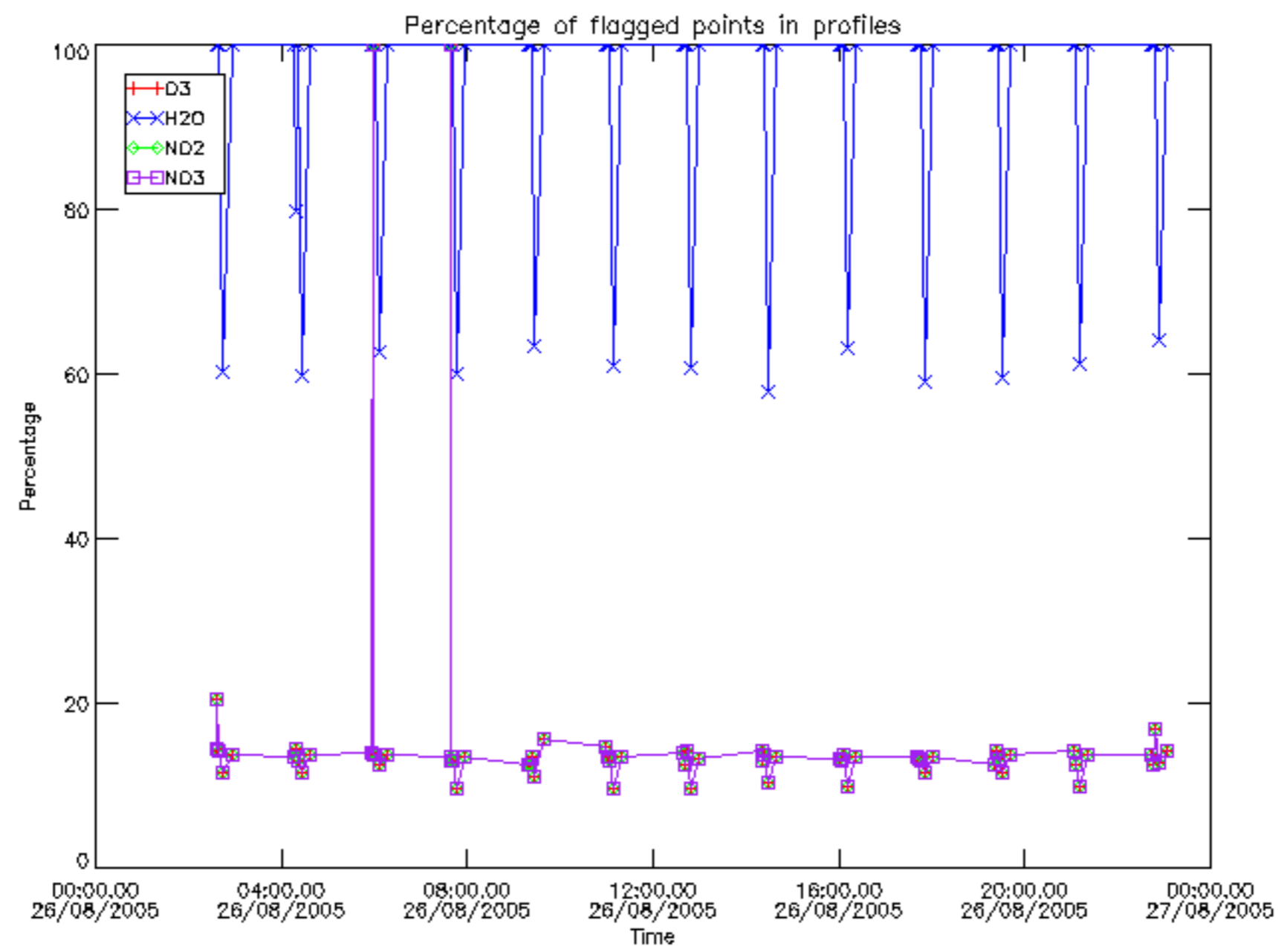
The colorbar represents the latitude.



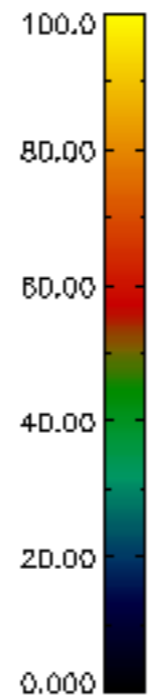
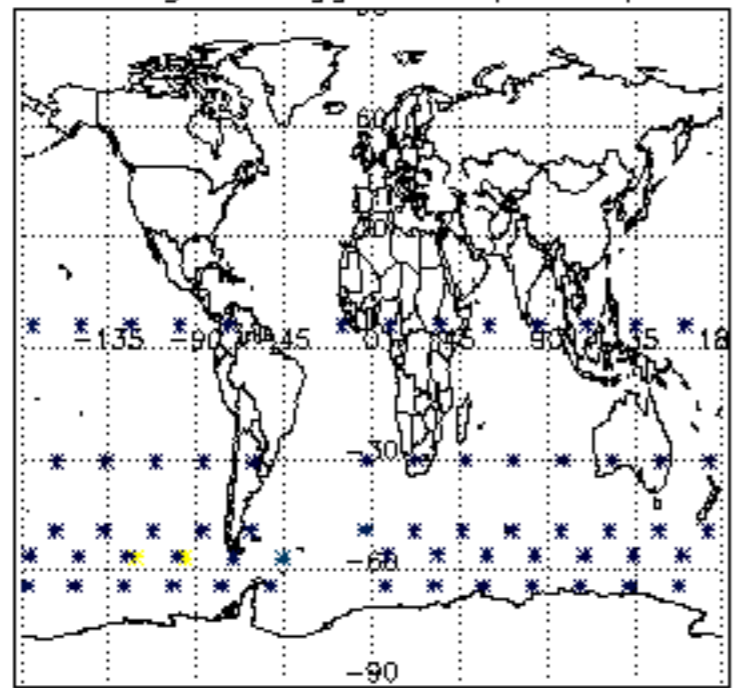
## 6. Auxiliary Data Files used for the production reported in section 2

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

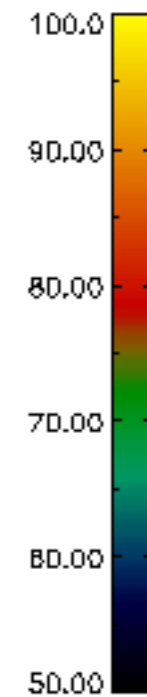
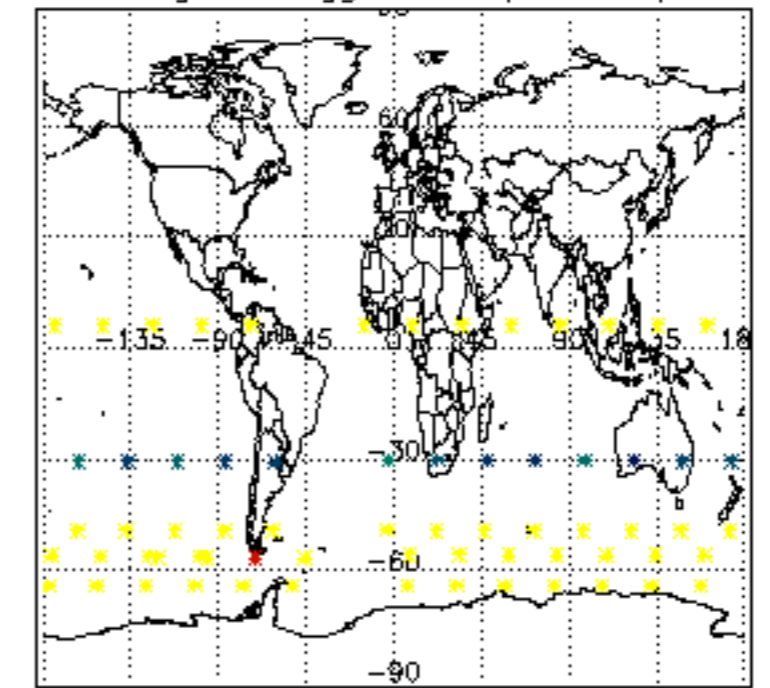
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	26-AUG-2005 01:22:46
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	26-AUG-2005 01:22:46
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	26-AUG-2005 01:22:46



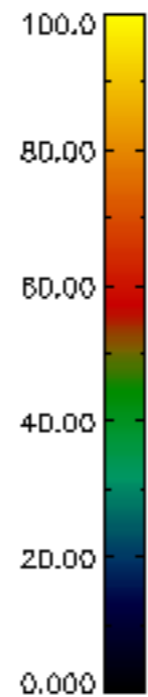
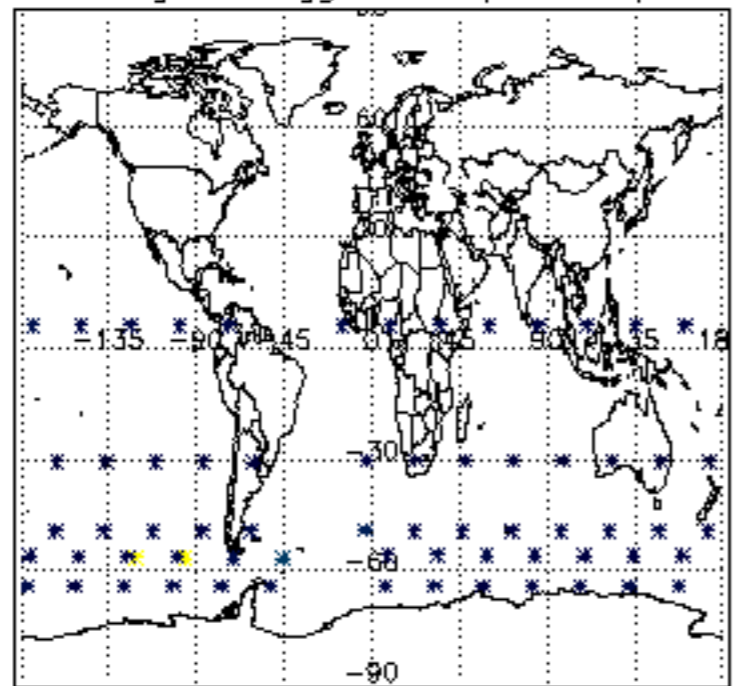
Percentage of flagged data per D3 profile



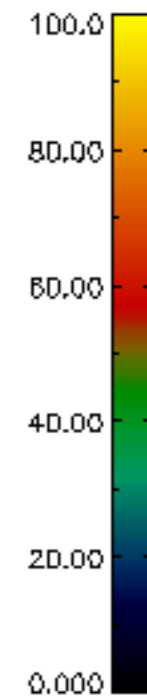
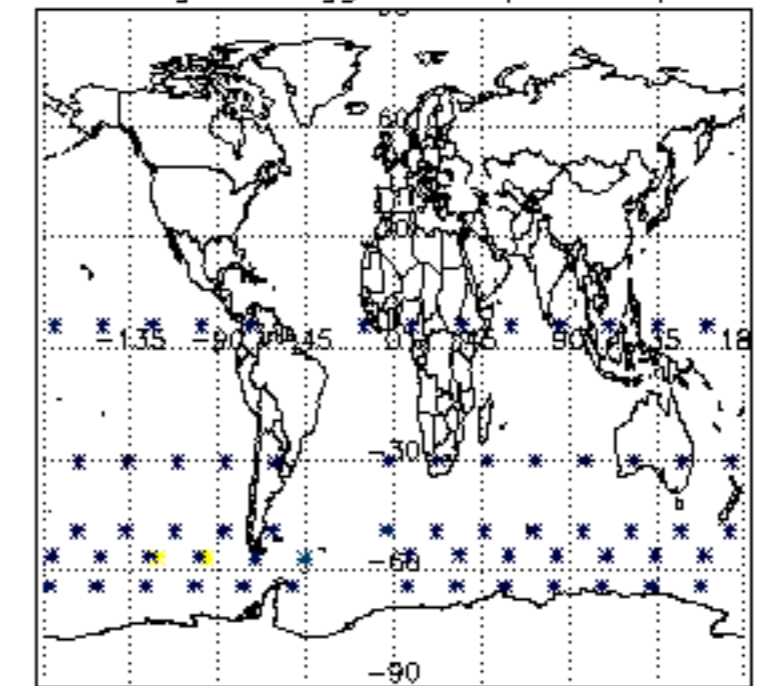
Percentage of flagged data per H2O profile

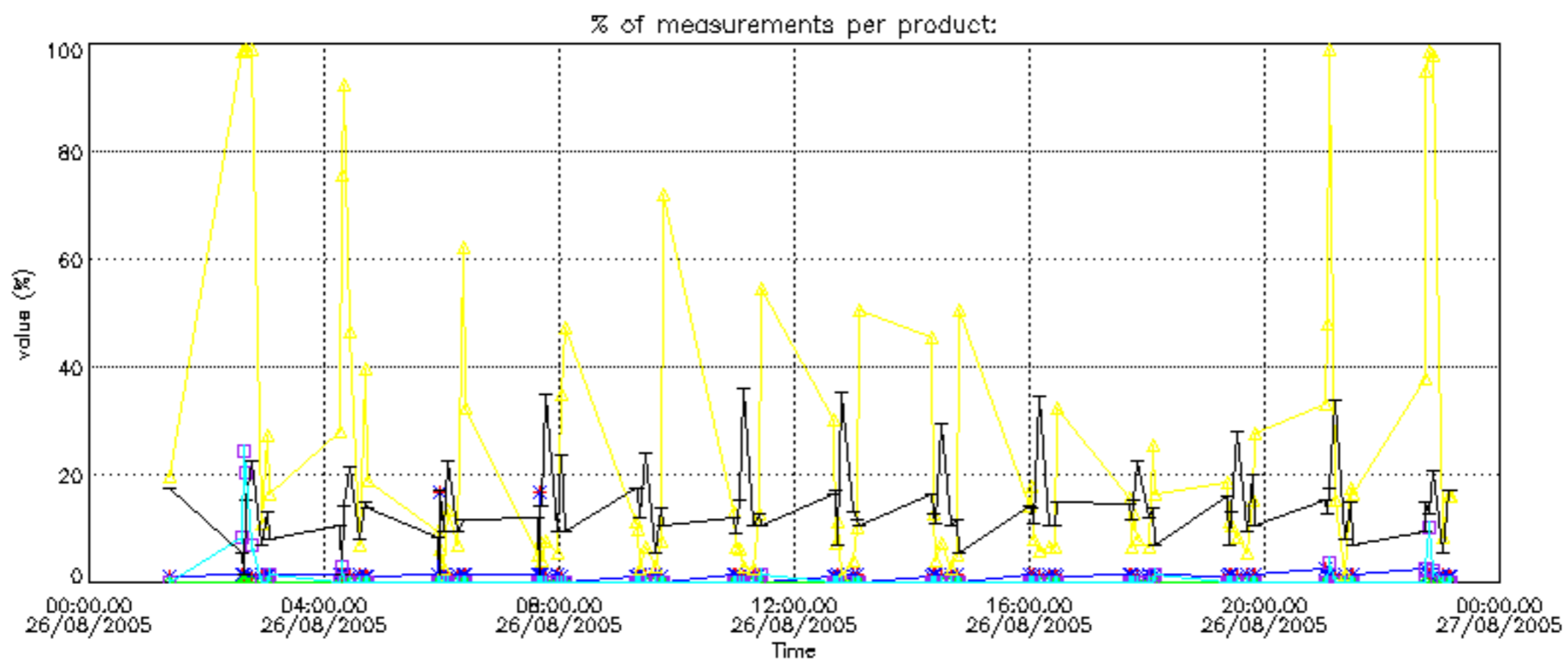


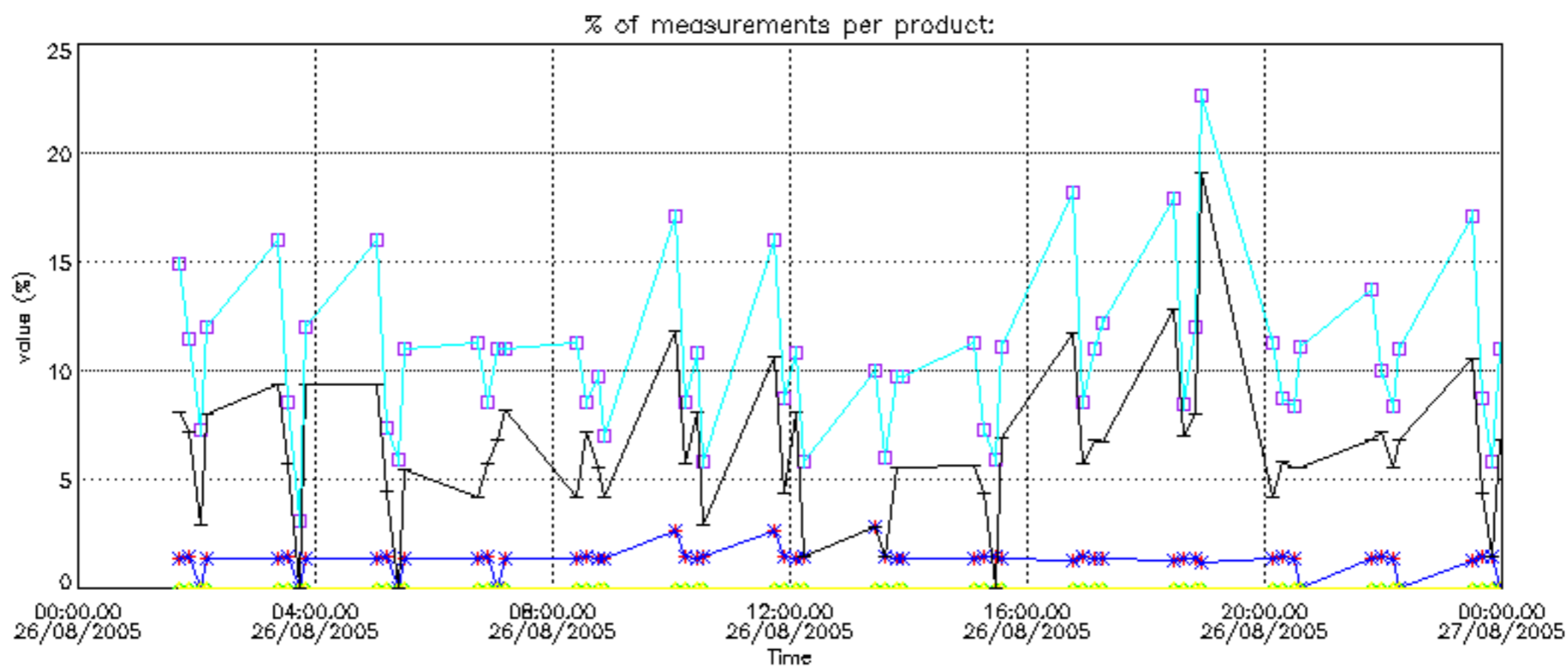
Percentage of flagged data per NO2 profile



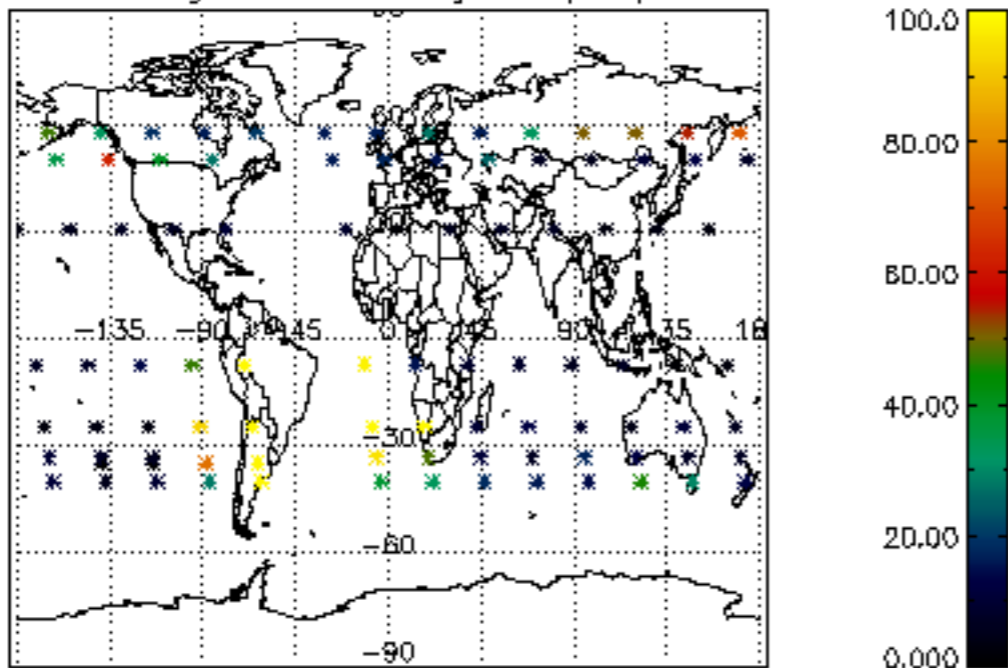
Percentage of flagged data per NO3 profile



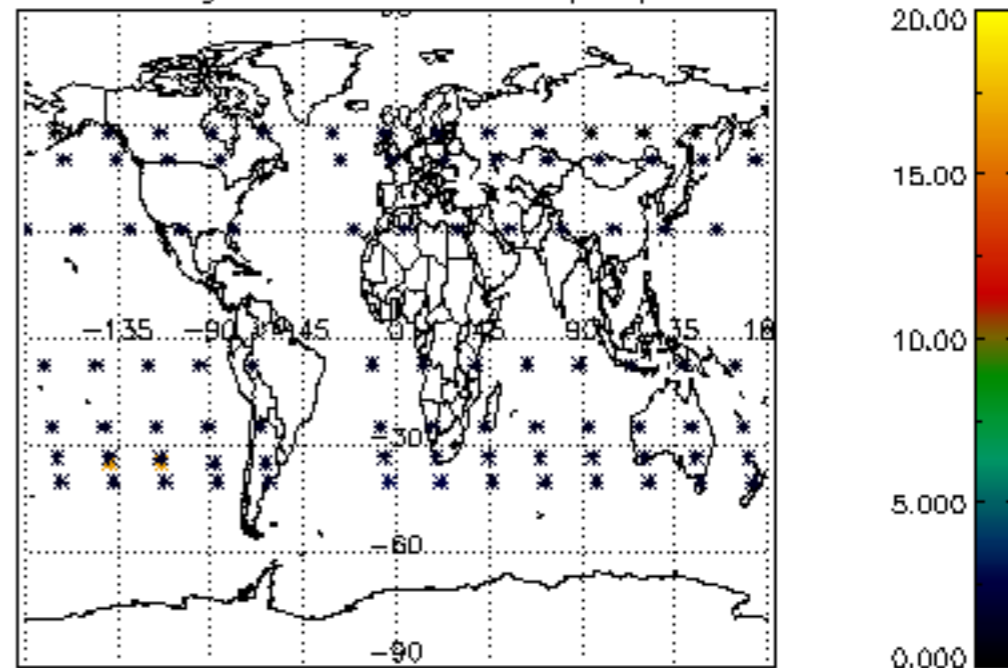




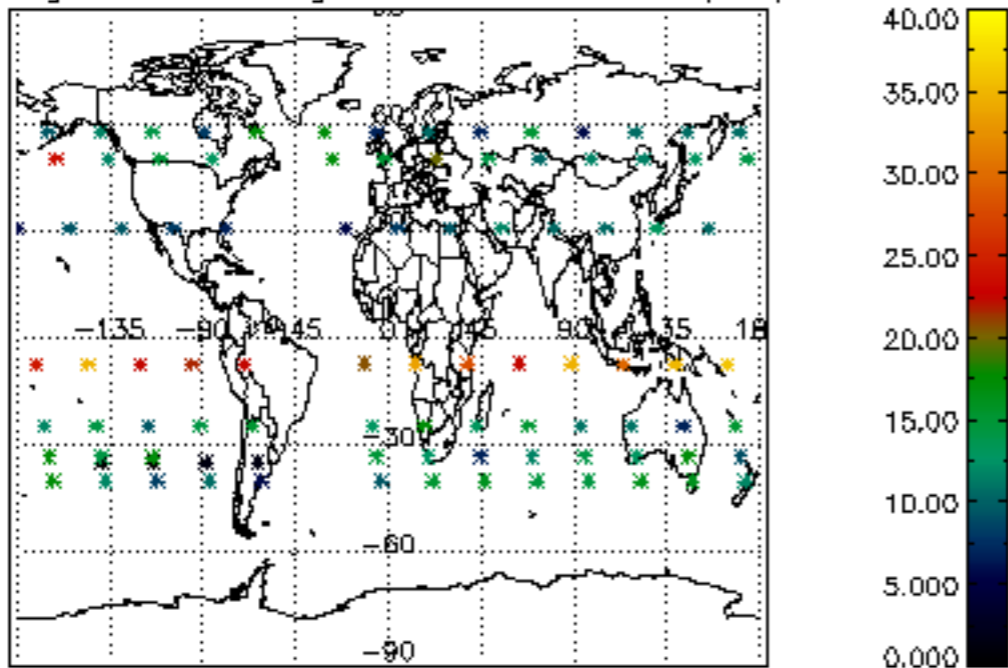
Percentage of cosmic ray hits per profile



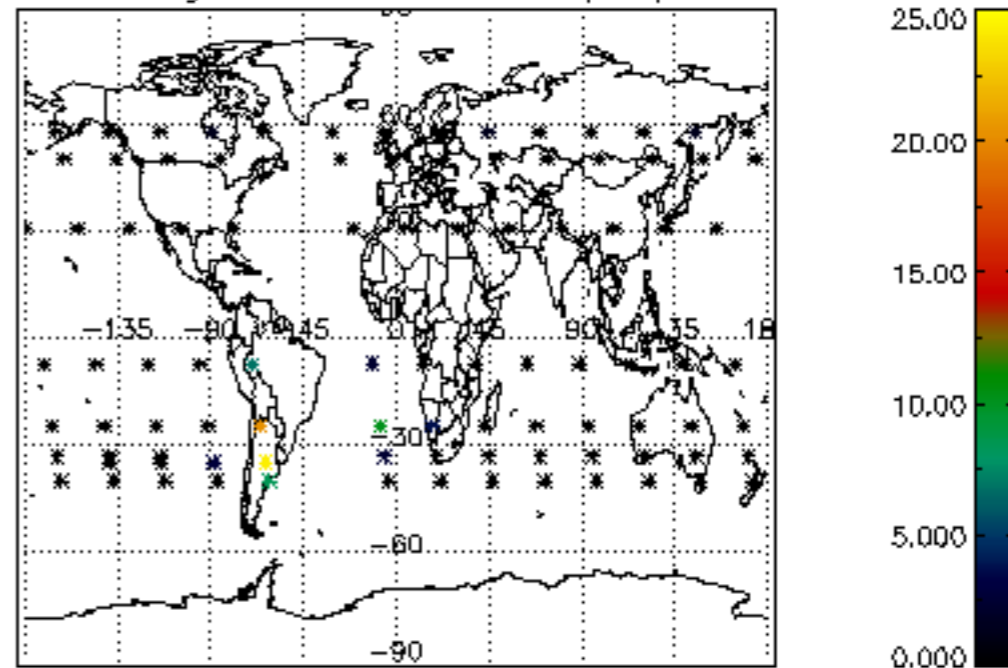
Percentage of datation errors per profile



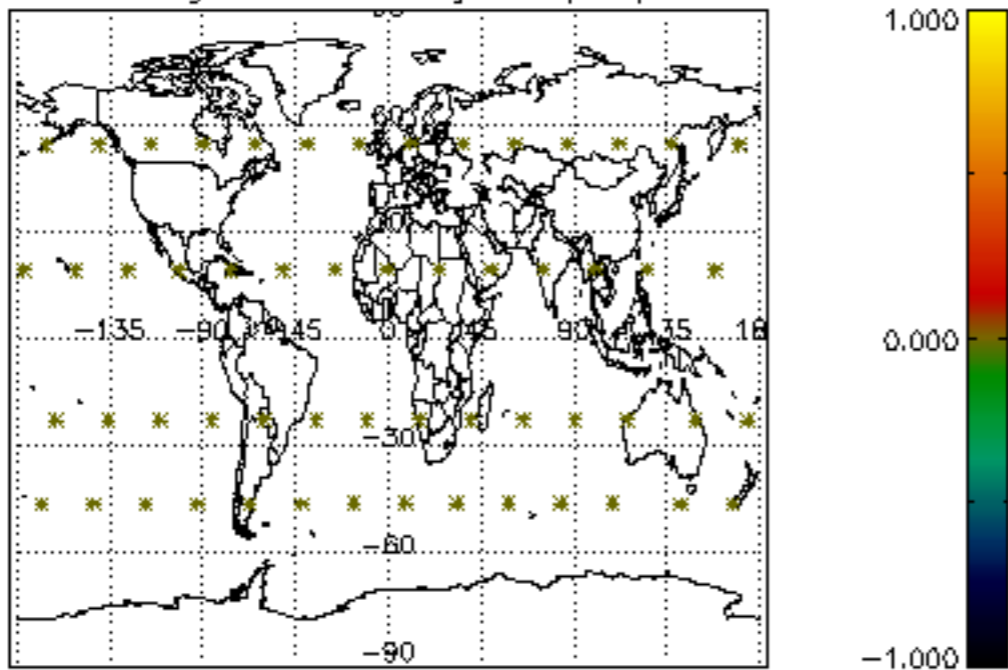
Percentage of star falling outside central band per profile



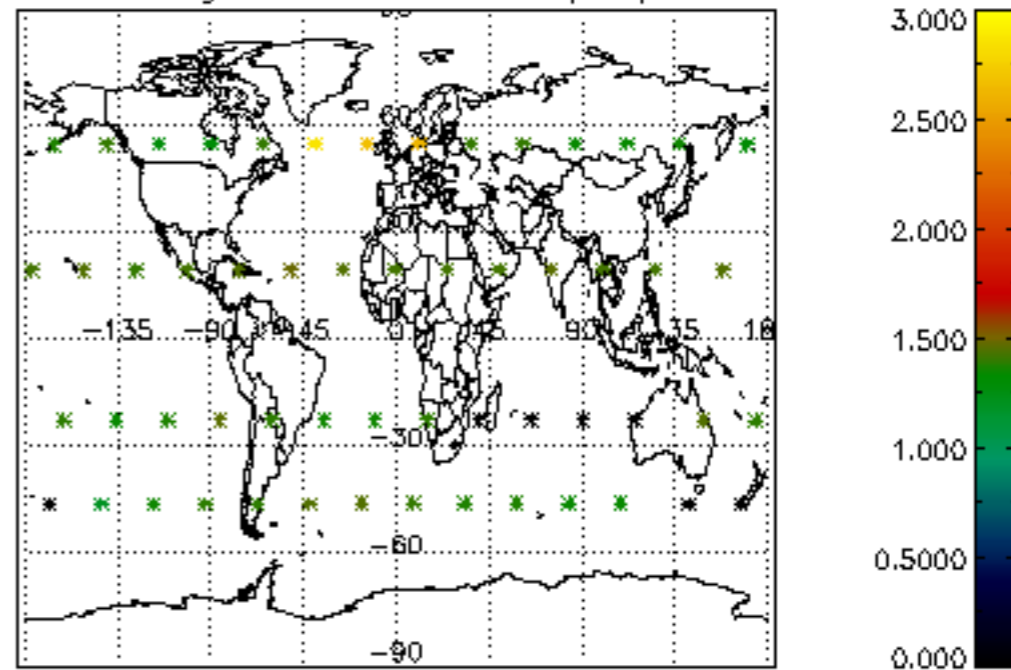
Percentage of saturation errors per profile



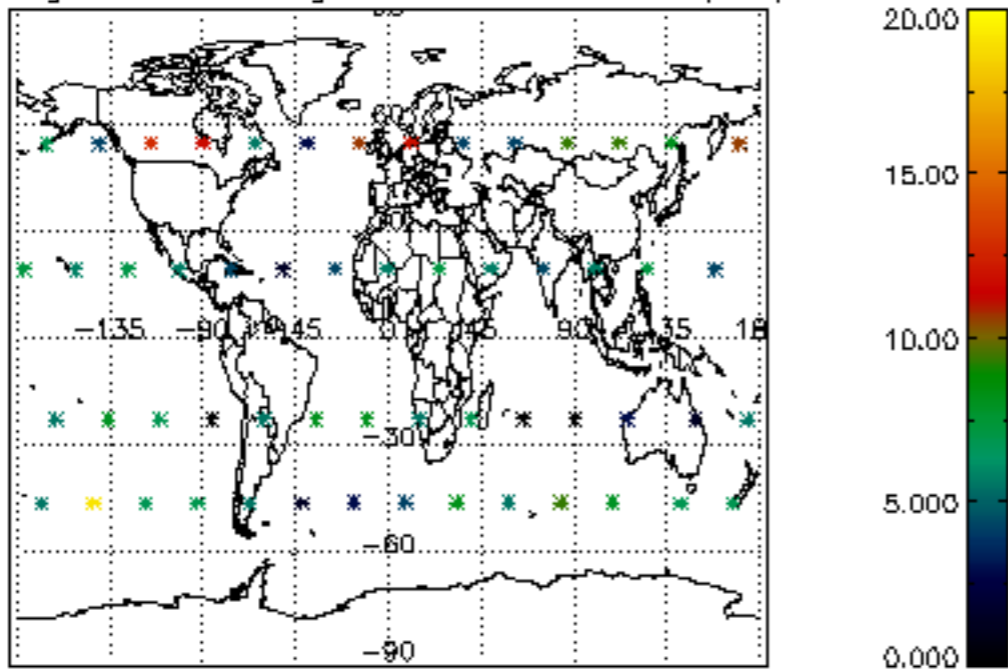
Percentage of cosmic ray hits per profile



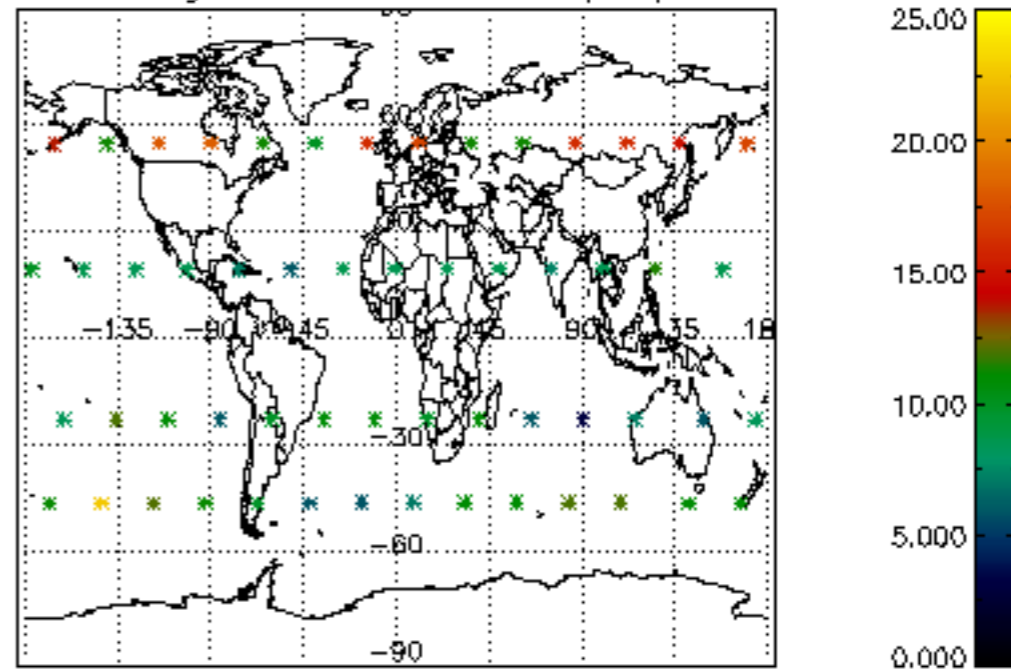
Percentage of datation errors per profile



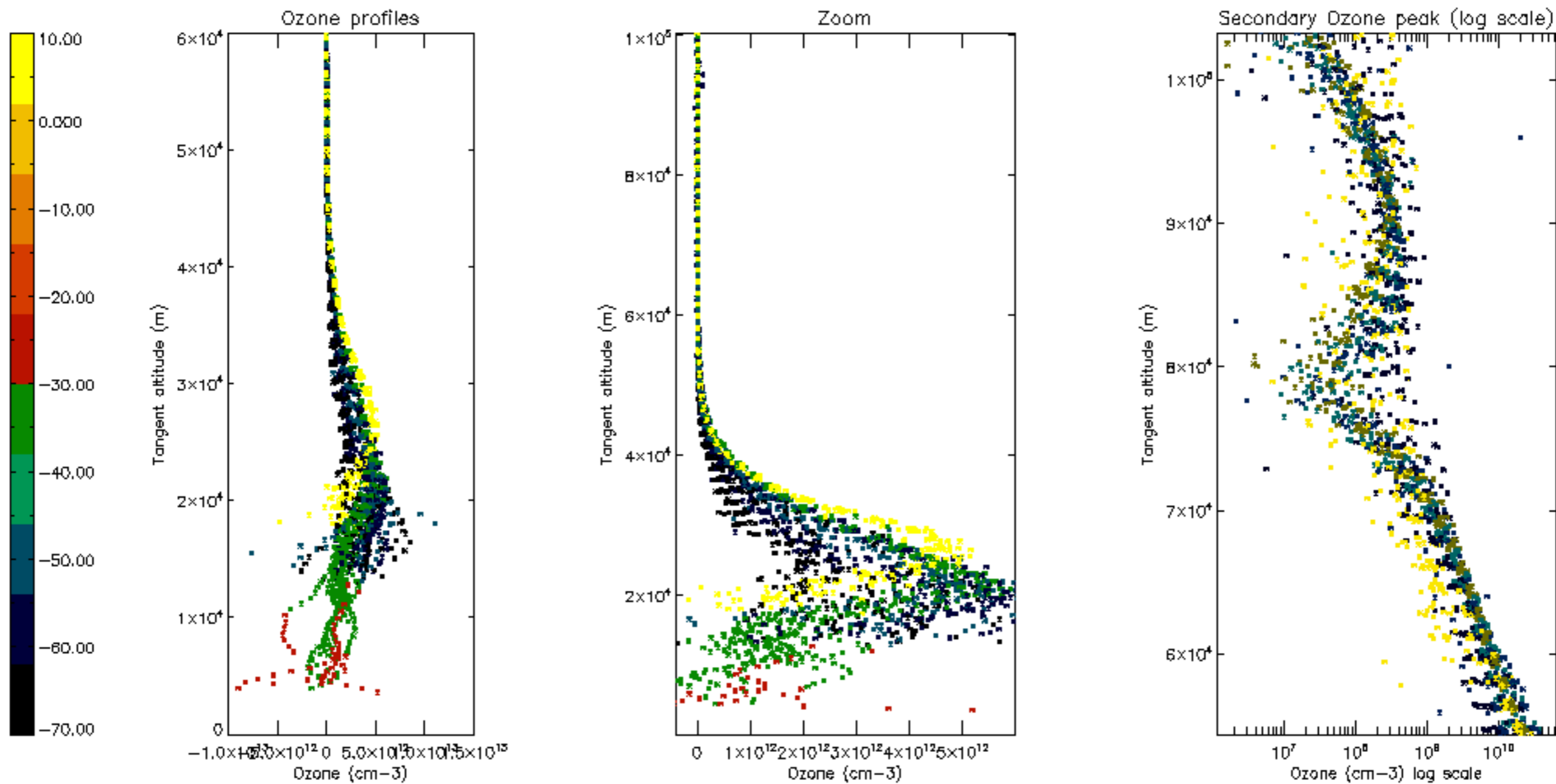
Percentage of star falling outside central band per profile

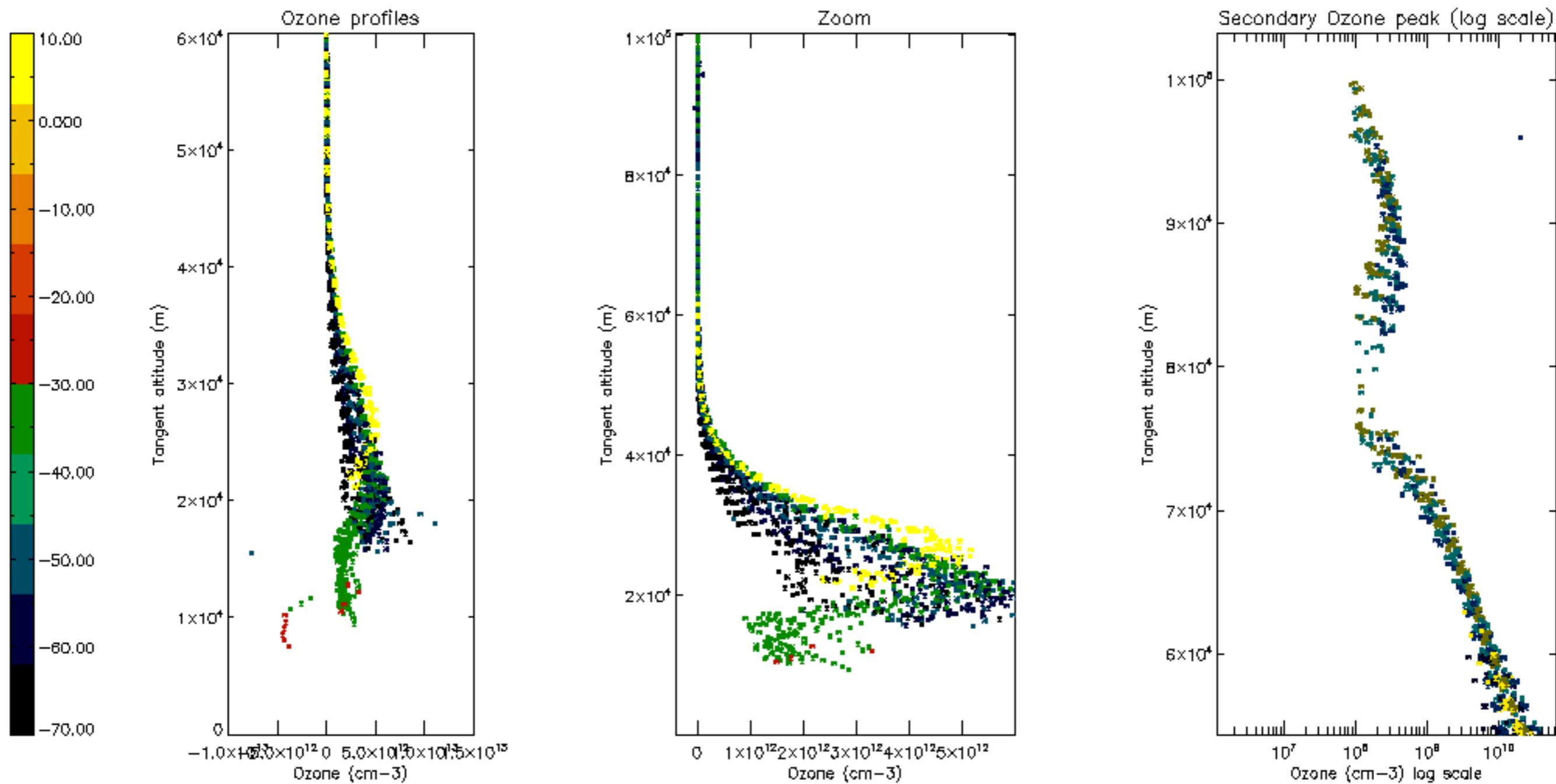


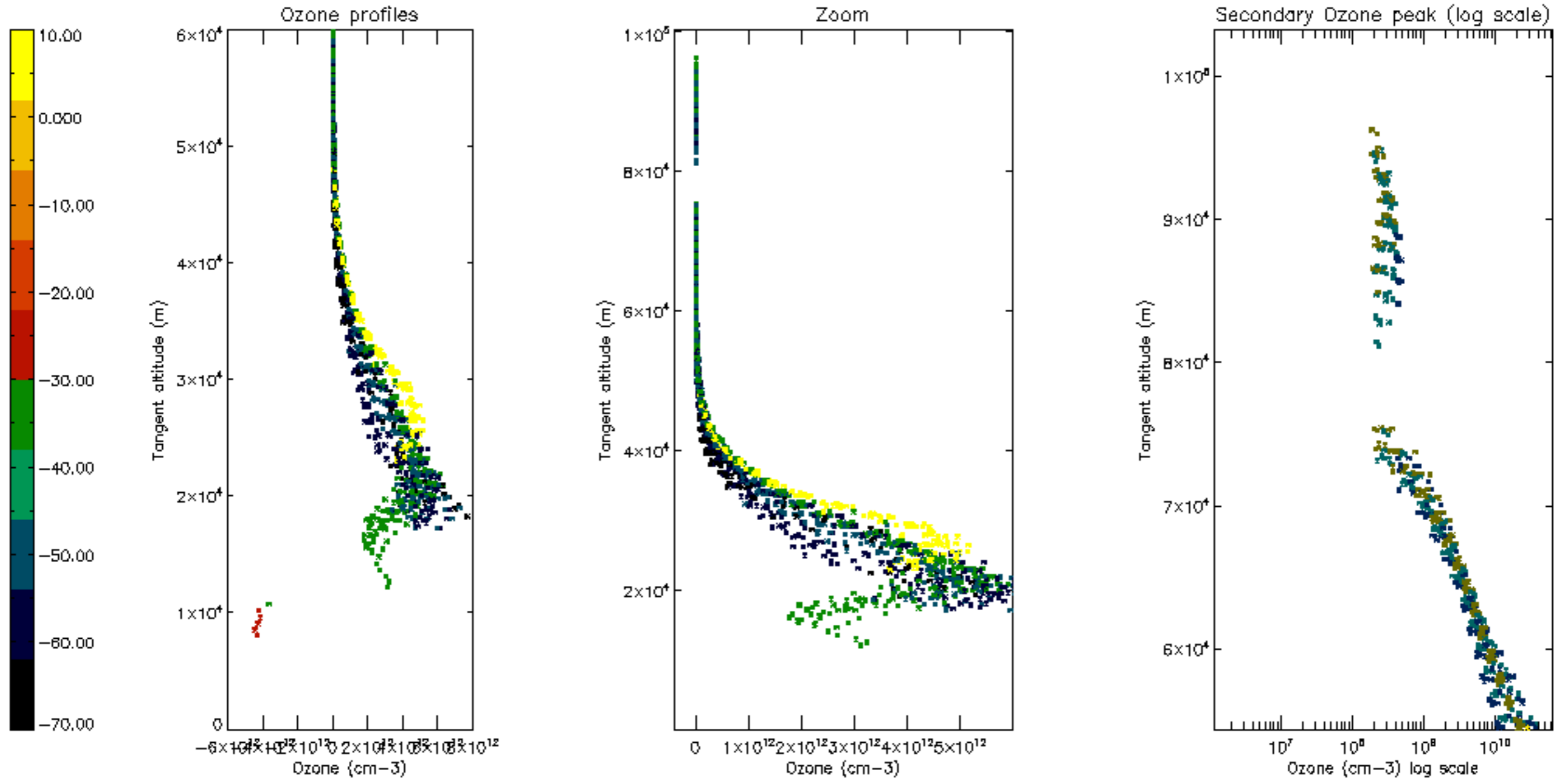
Percentage of saturation errors per profile

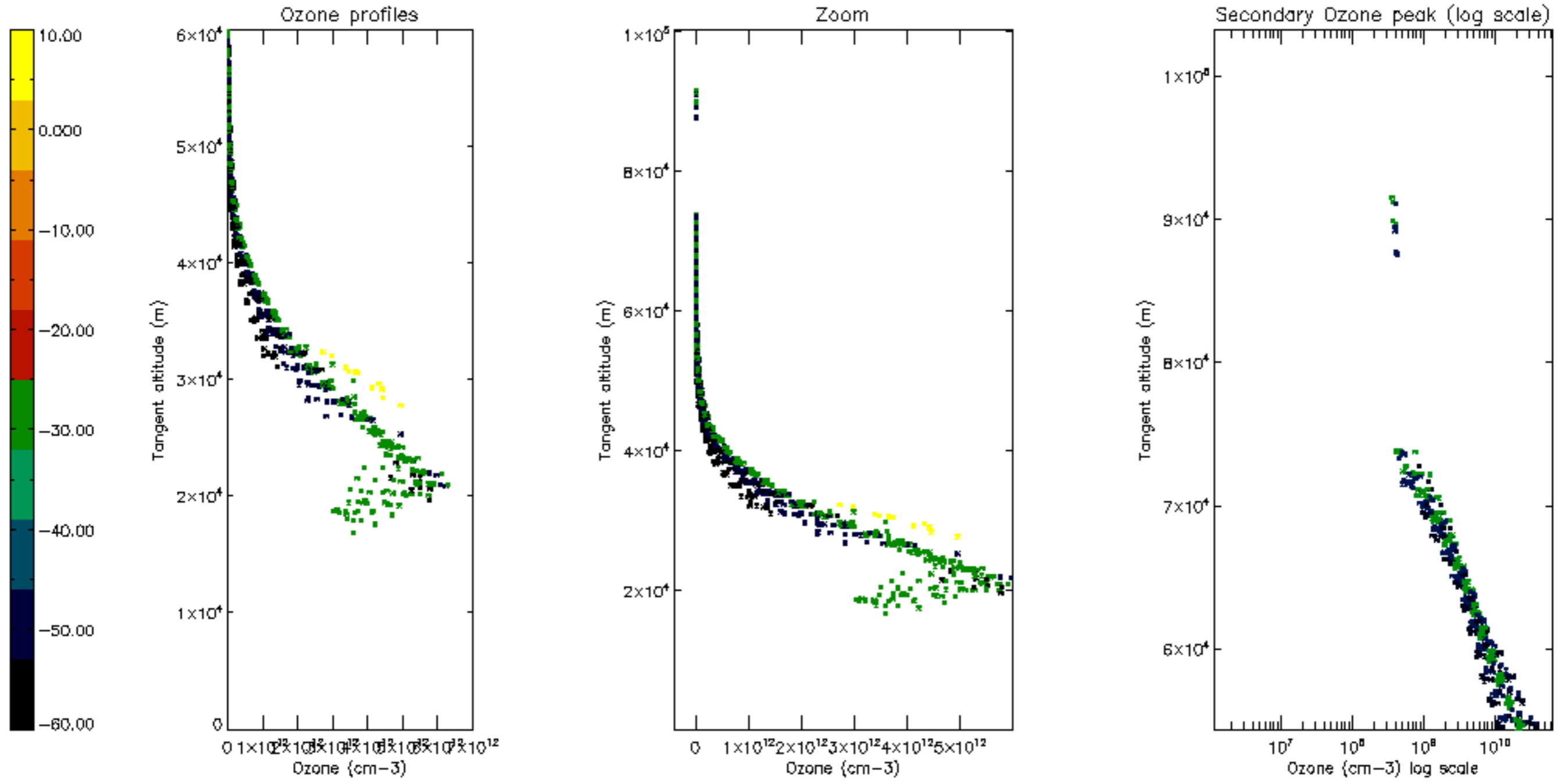


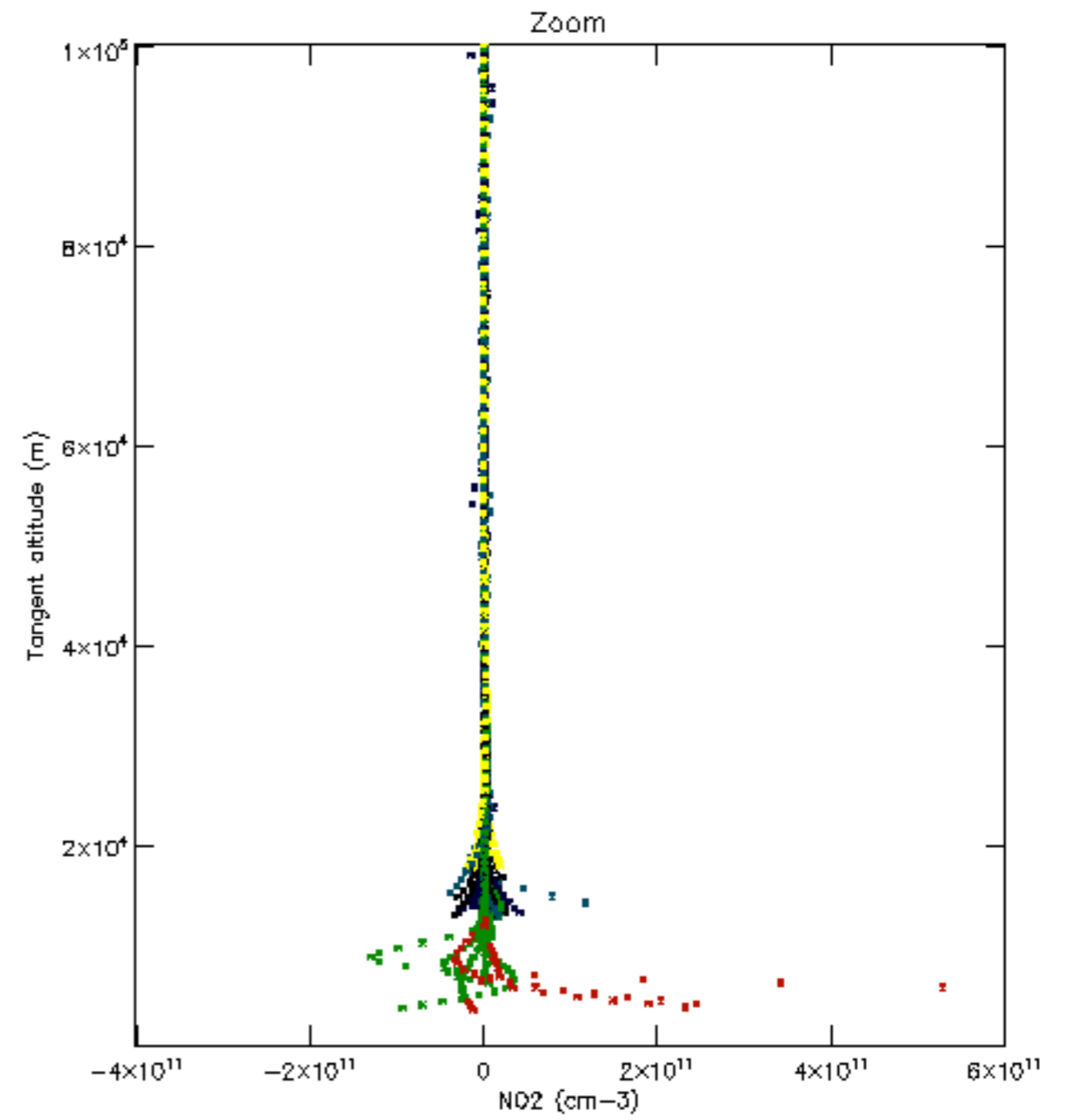
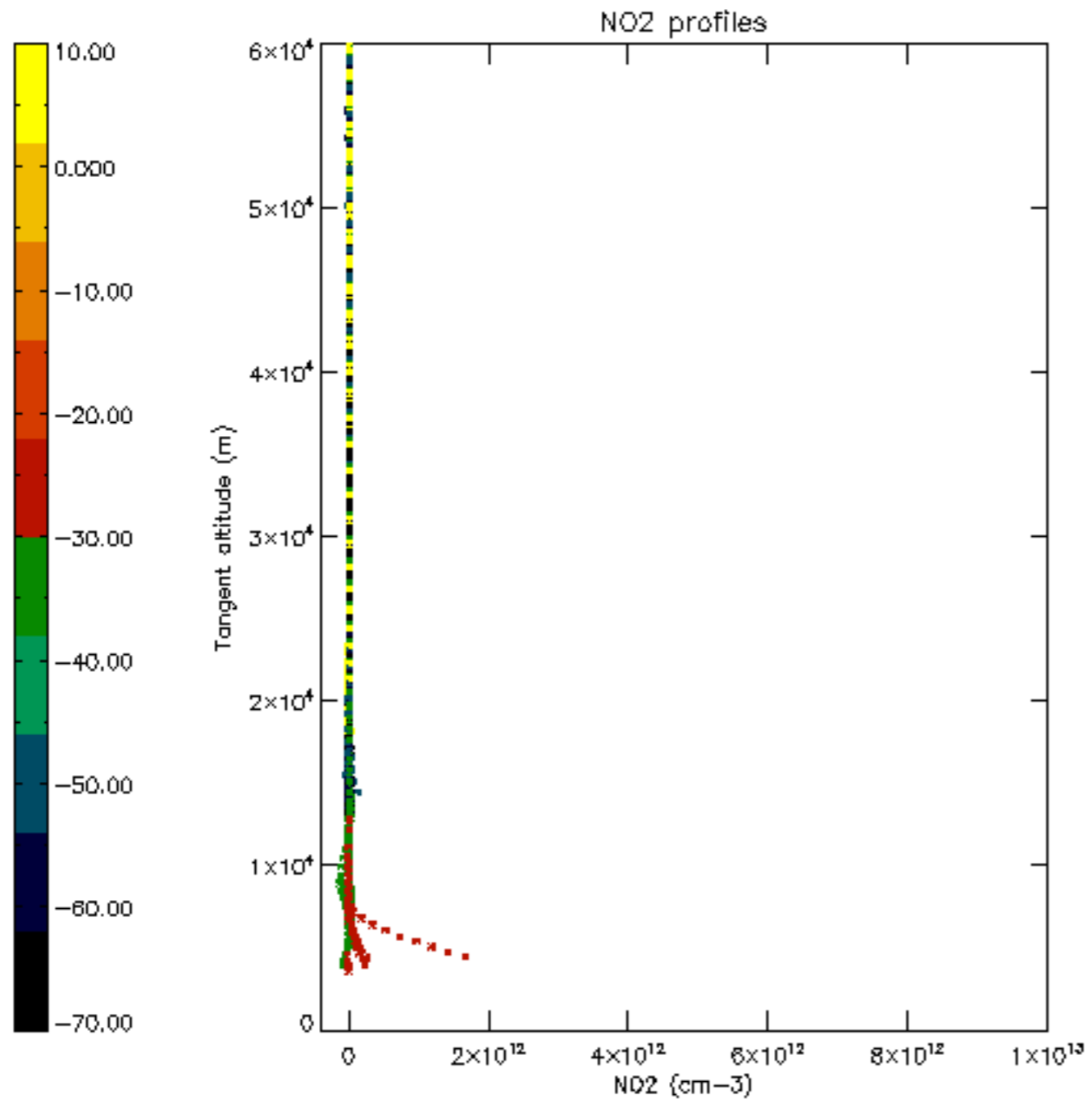


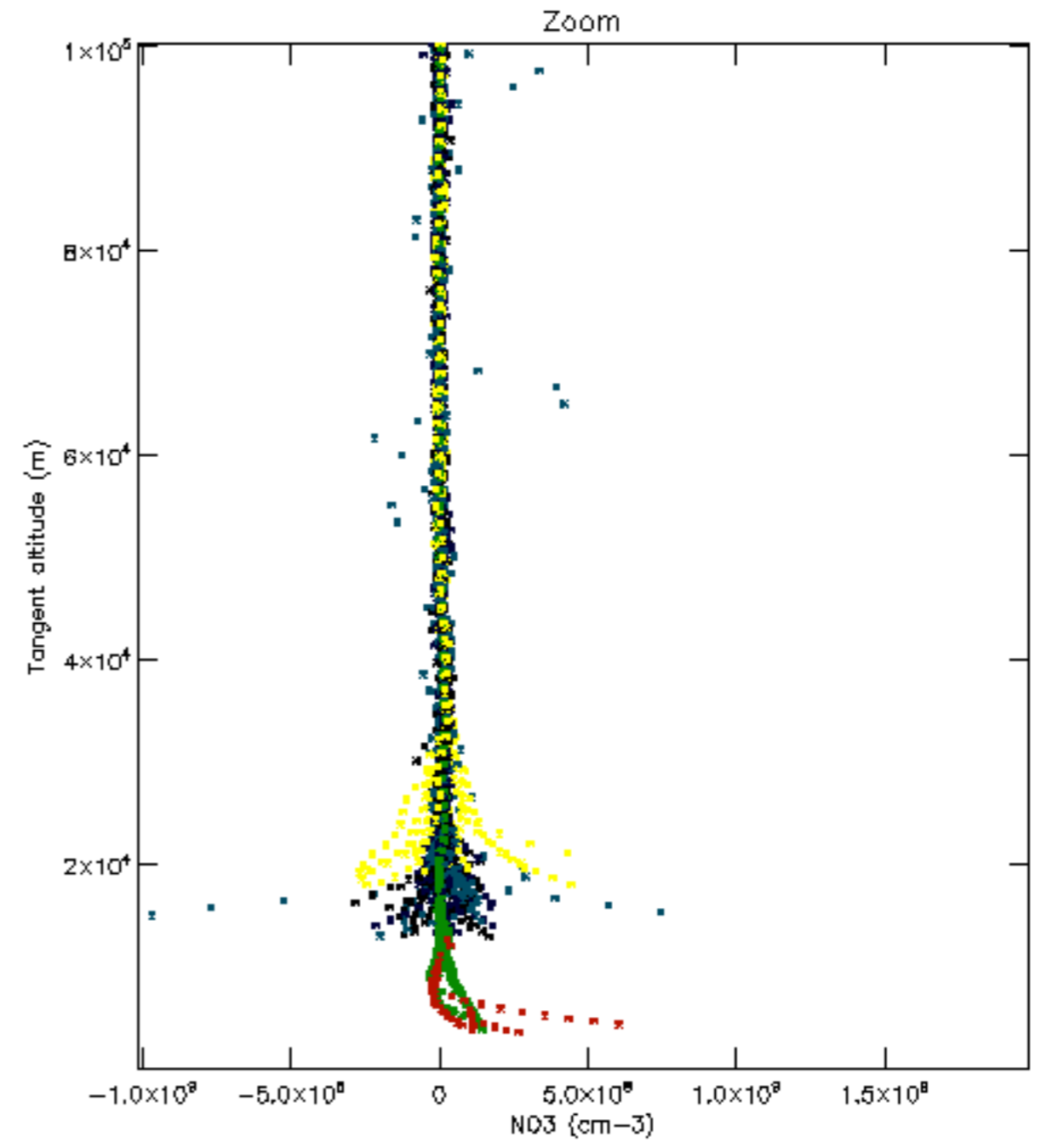
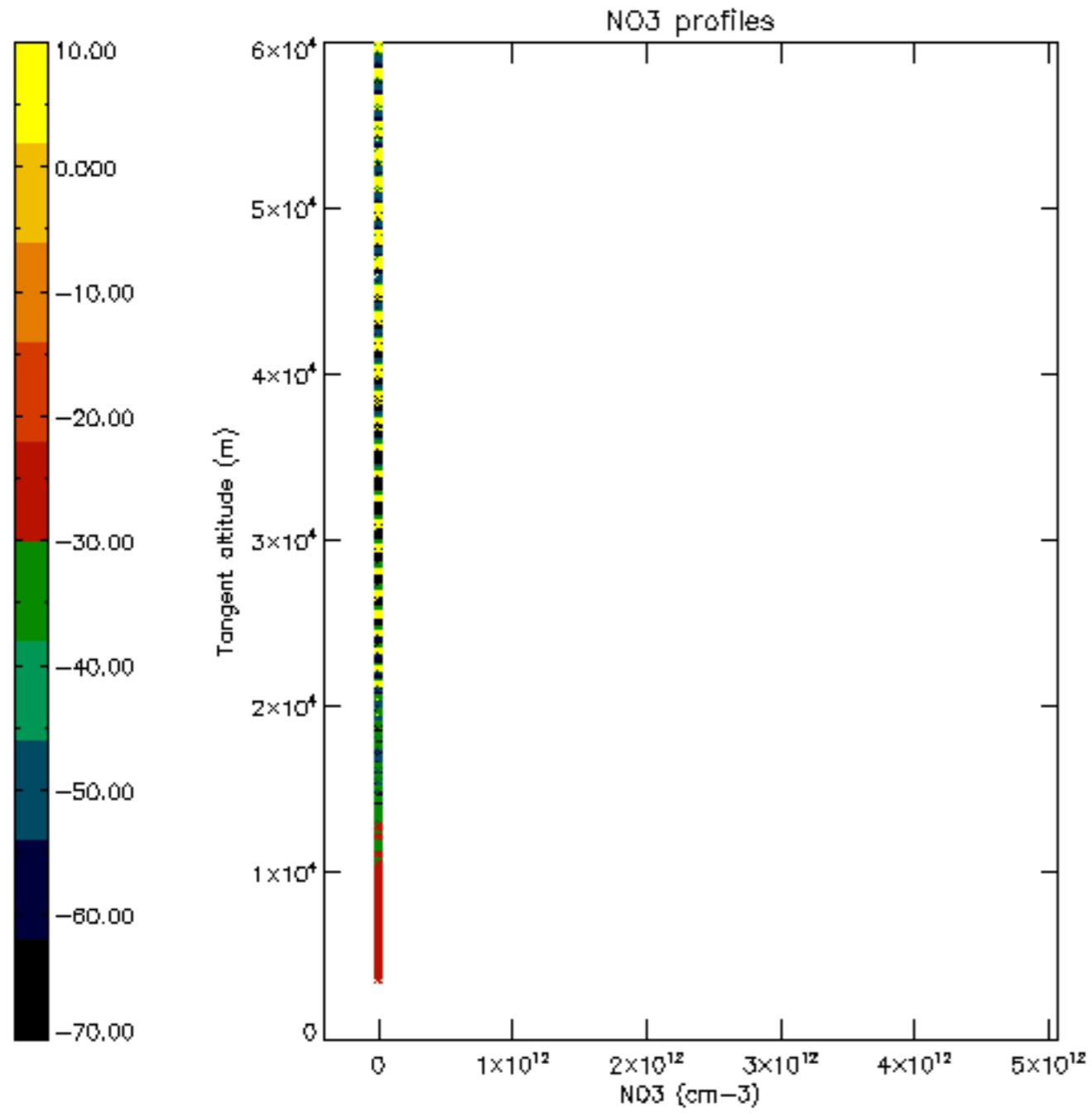


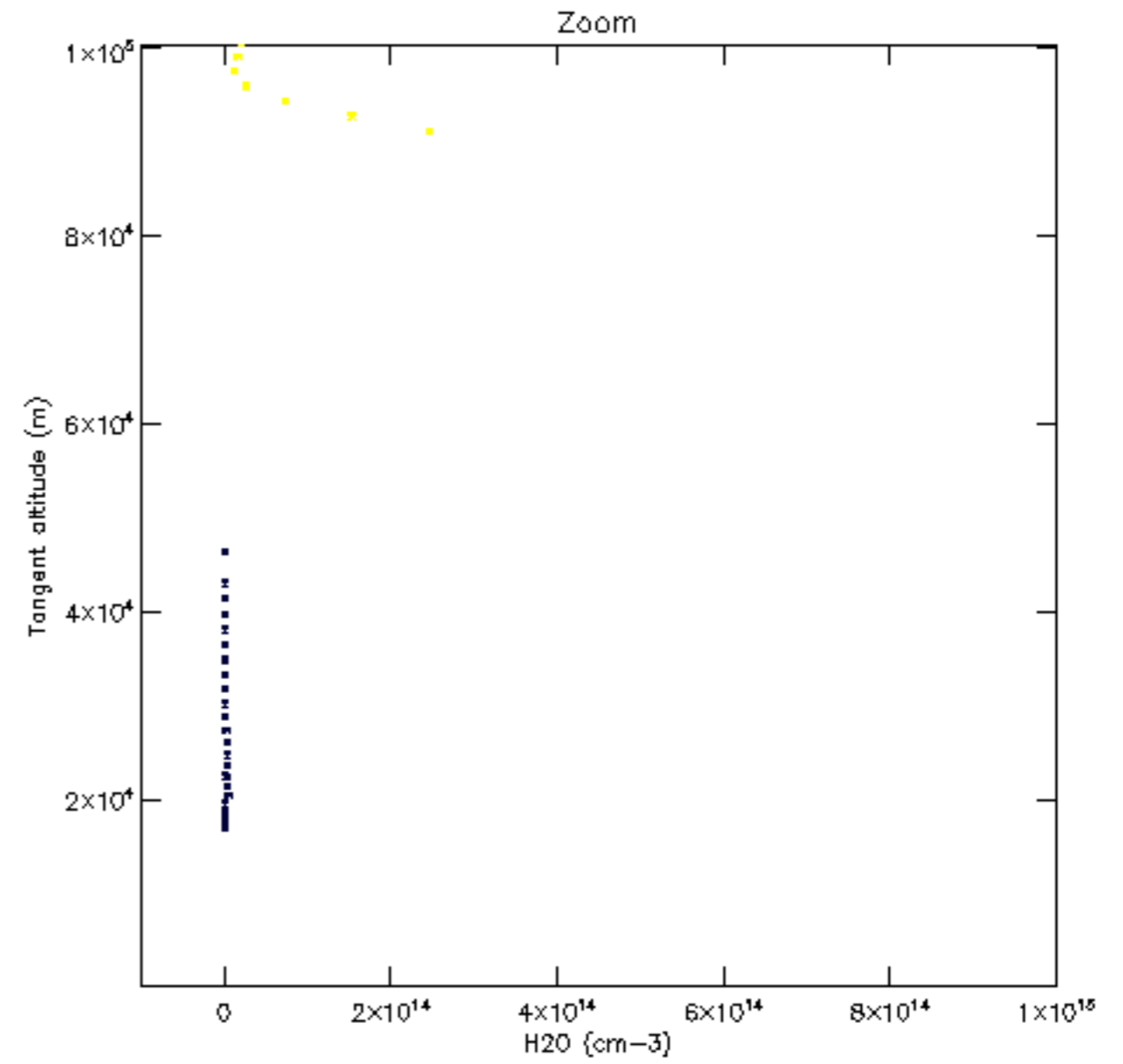
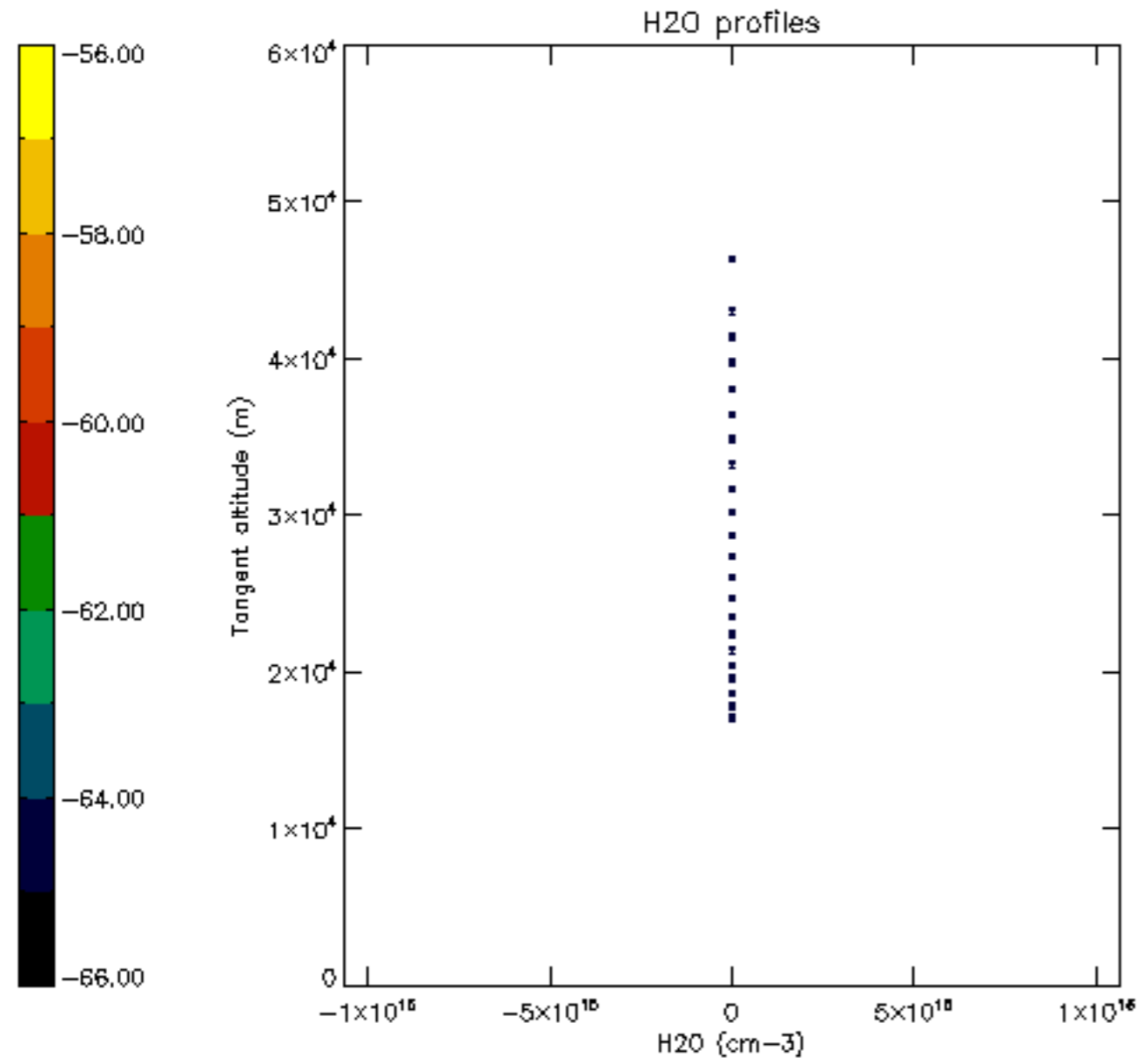


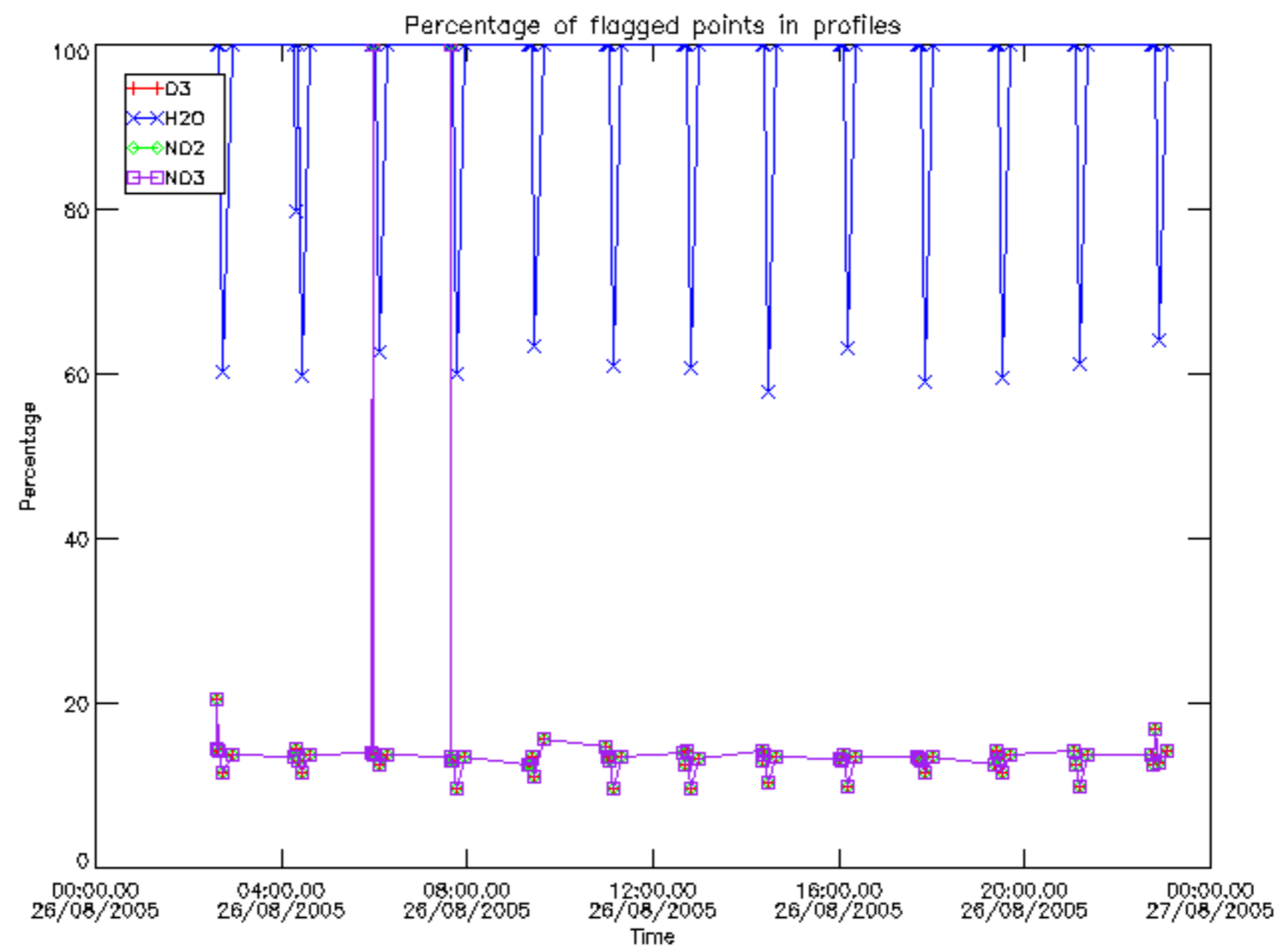






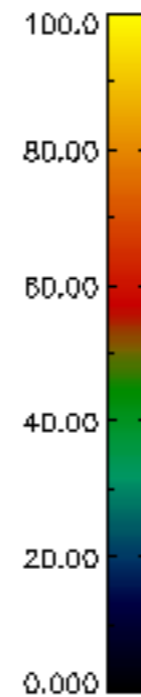
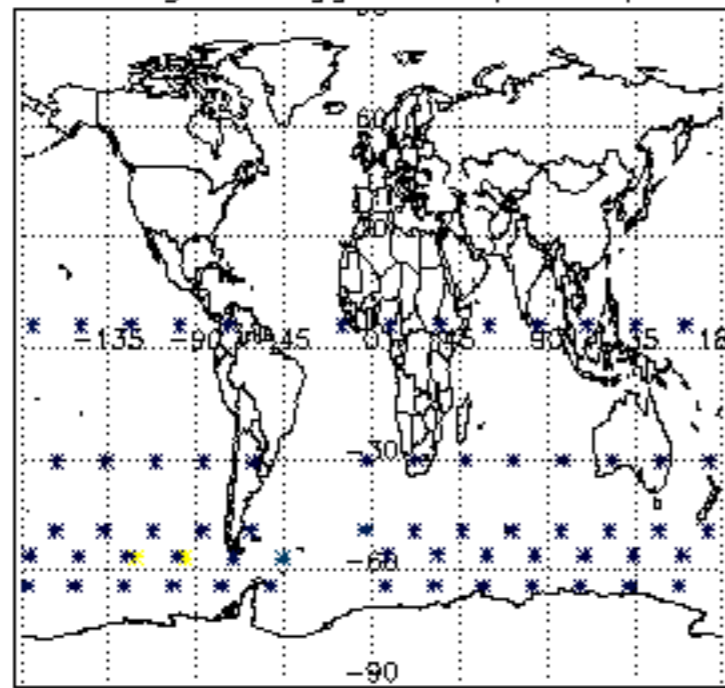




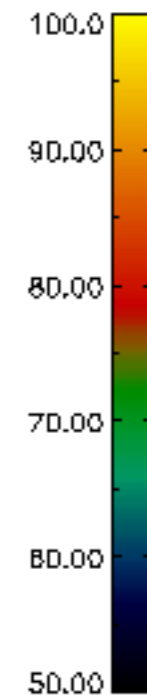
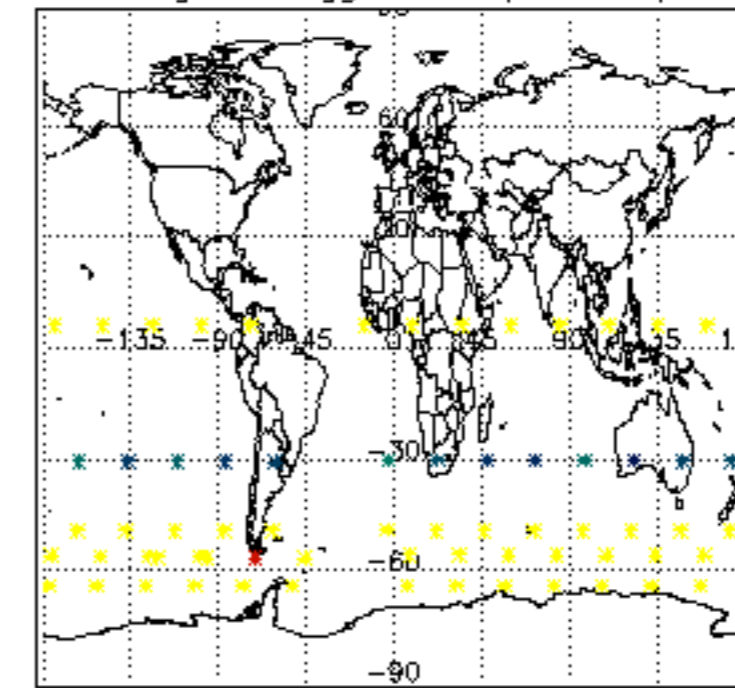




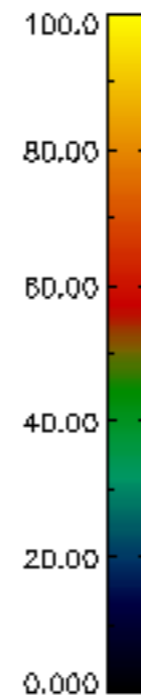
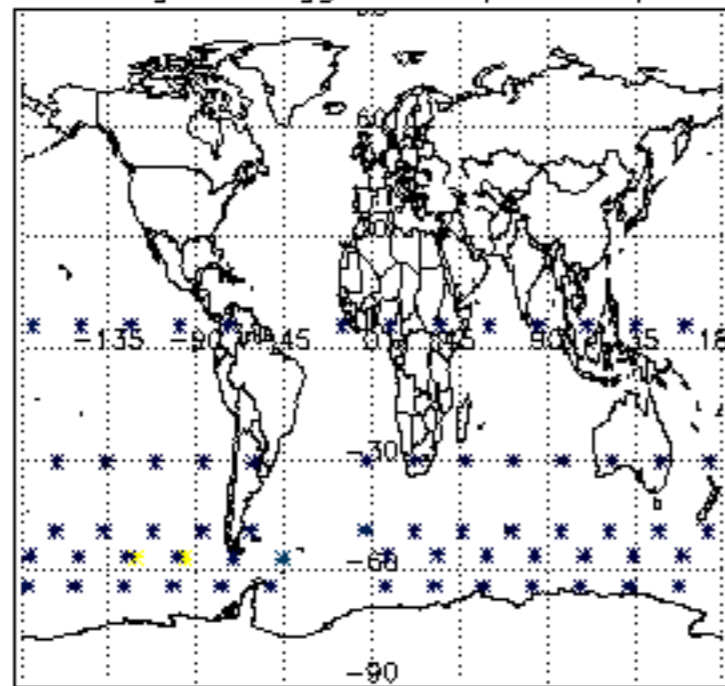
Percentage of flagged data per D3 profile



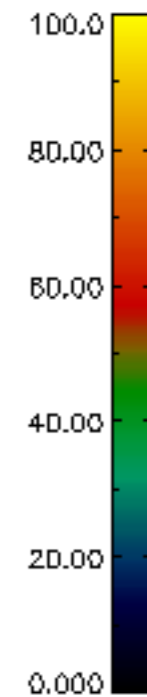
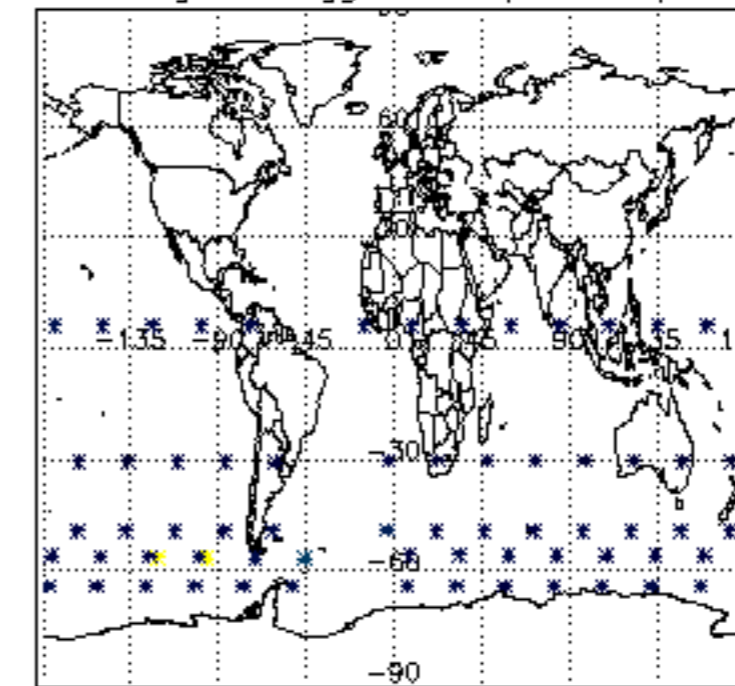
Percentage of flagged data per H2O profile

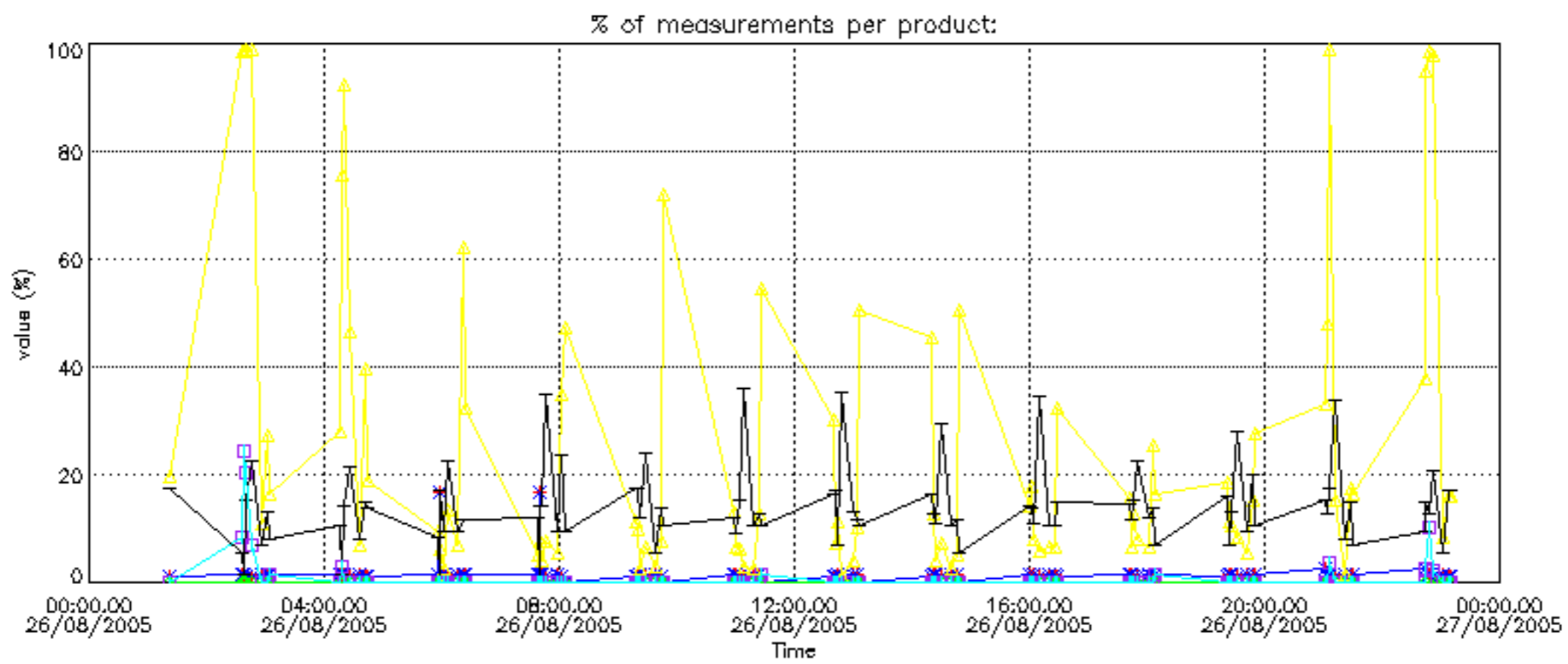


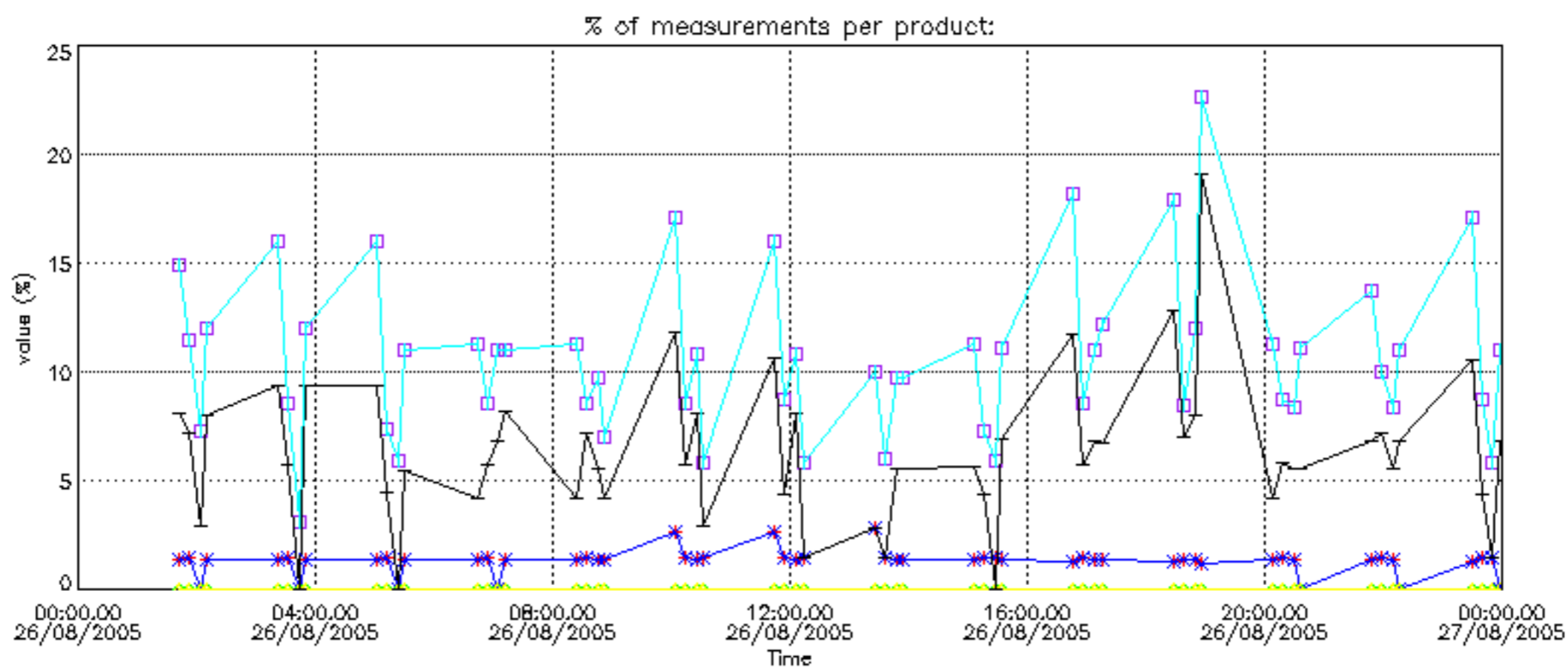
Percentage of flagged data per NO2 profile



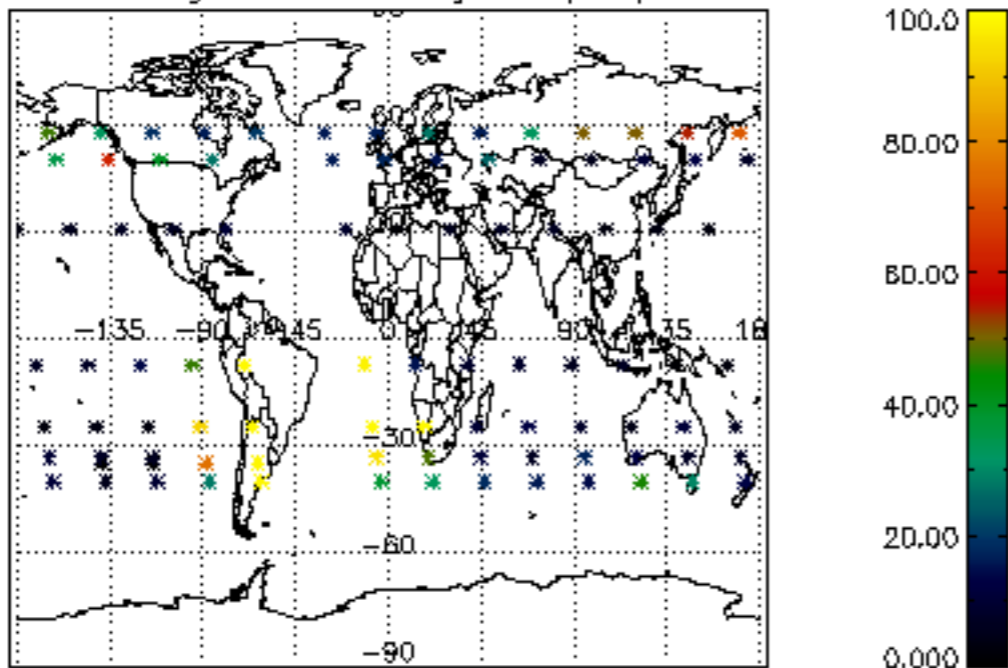
Percentage of flagged data per NO3 profile



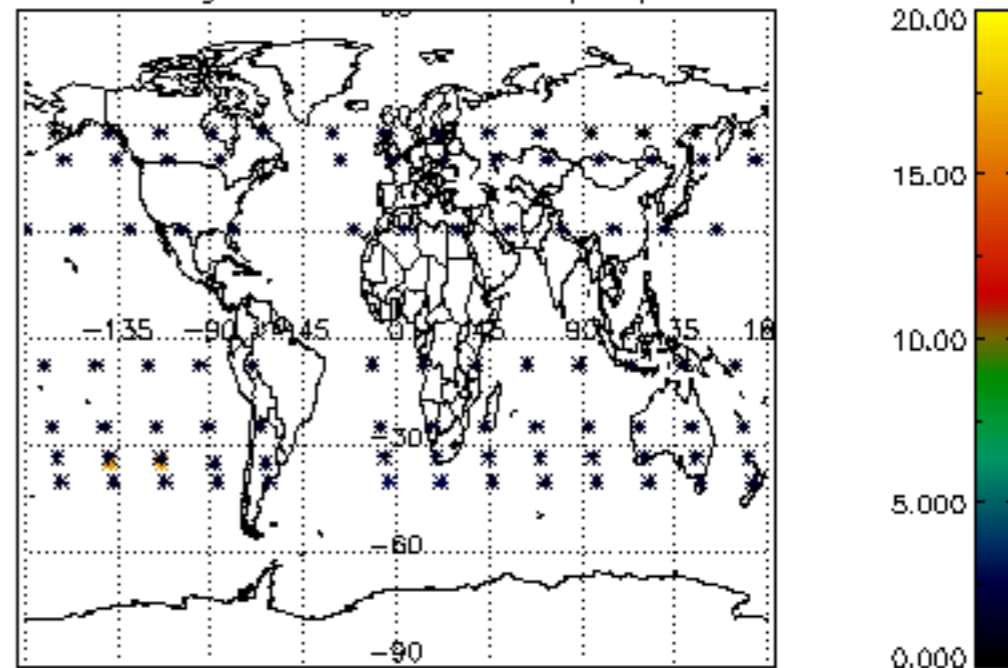




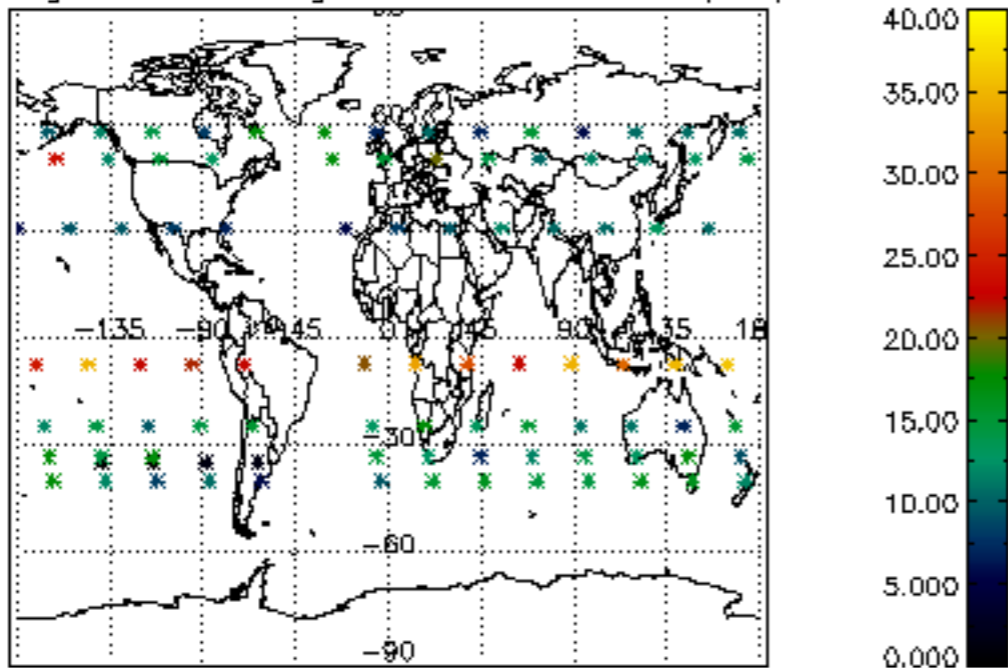
Percentage of cosmic ray hits per profile



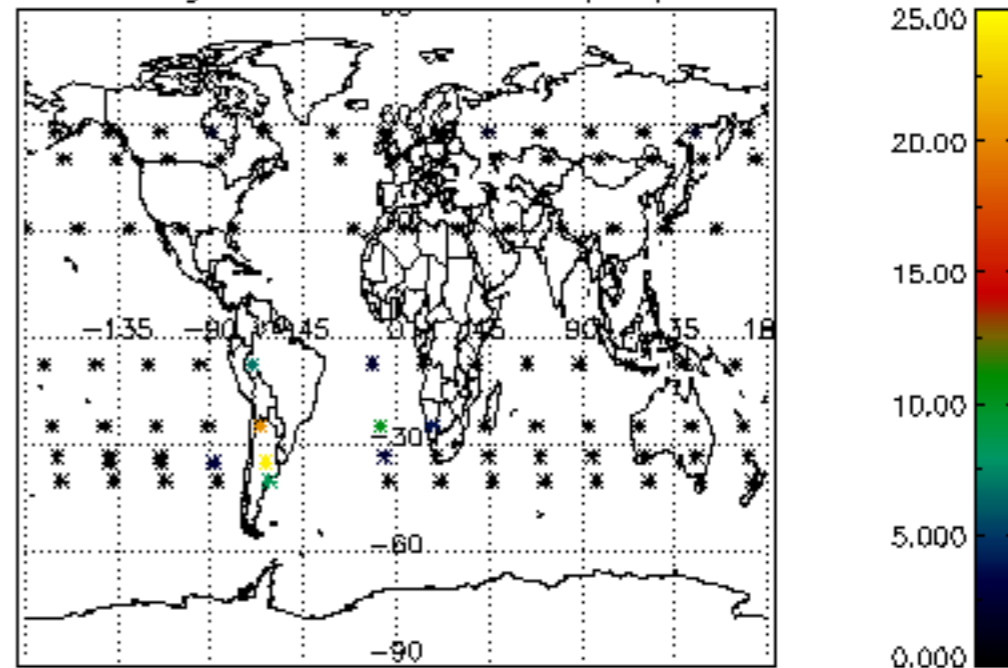
Percentage of datation errors per profile



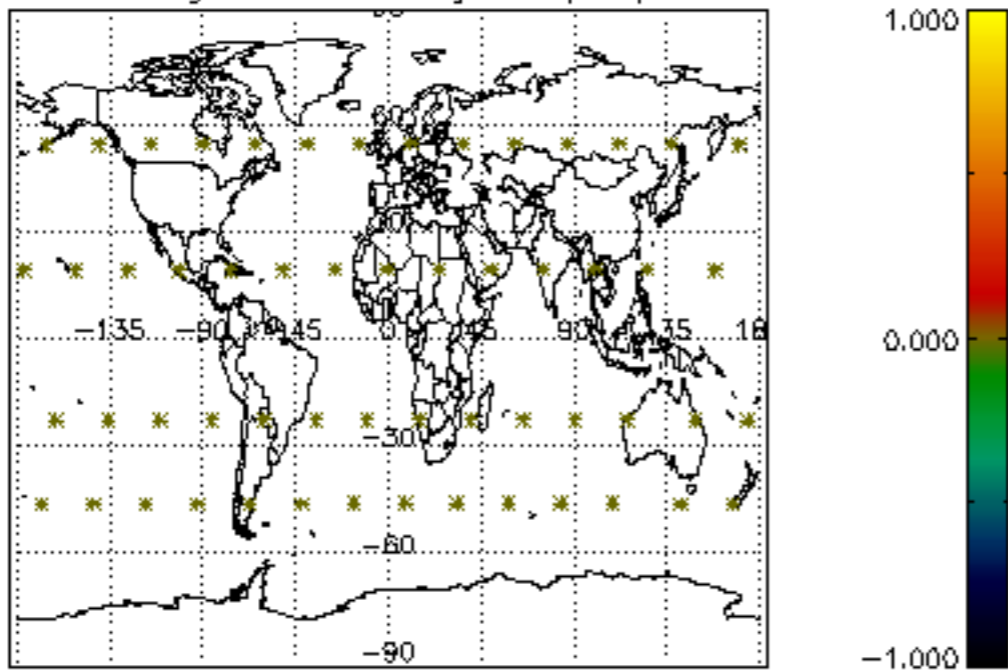
Percentage of star falling outside central band per profile



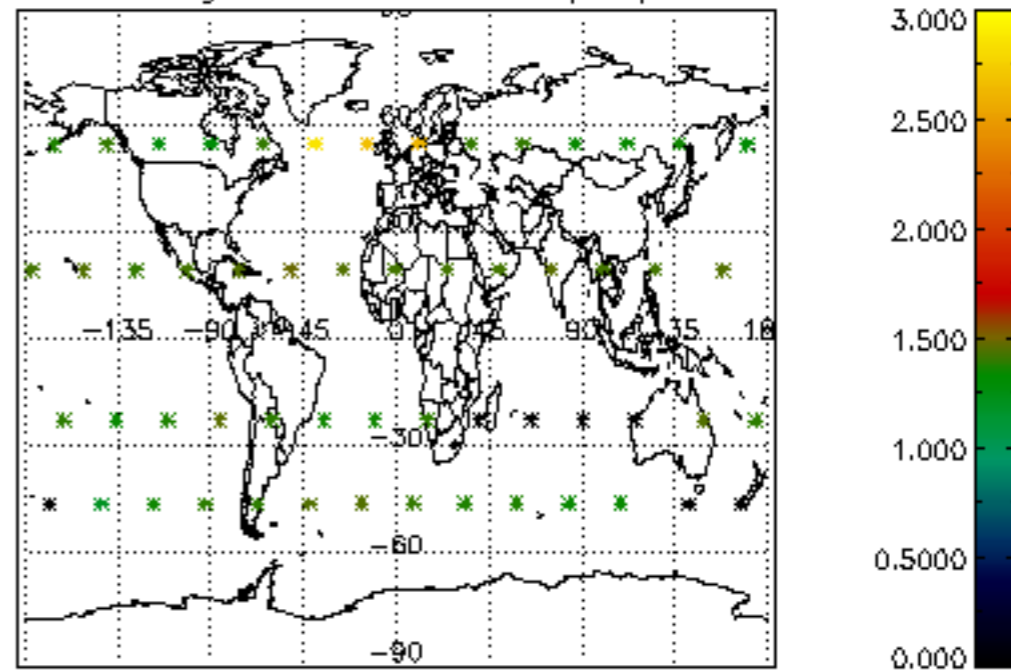
Percentage of saturation errors per profile



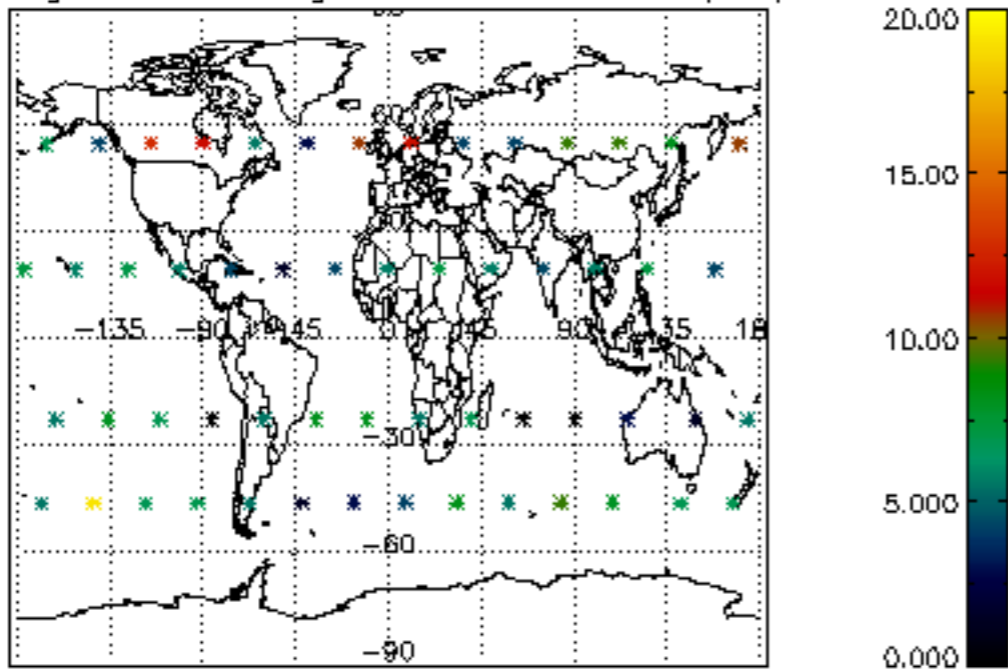
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

