

GOMOS Level 2 Daily Report

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

Item	Value
Time of report generation	23APR2013 07:46:20
Data source version	GOMOS/6.01
Start time of products	15-10-2007 (15OCT2007 00:00:00)
Stop time of products	16-10-2007 (16OCT2007 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	90
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

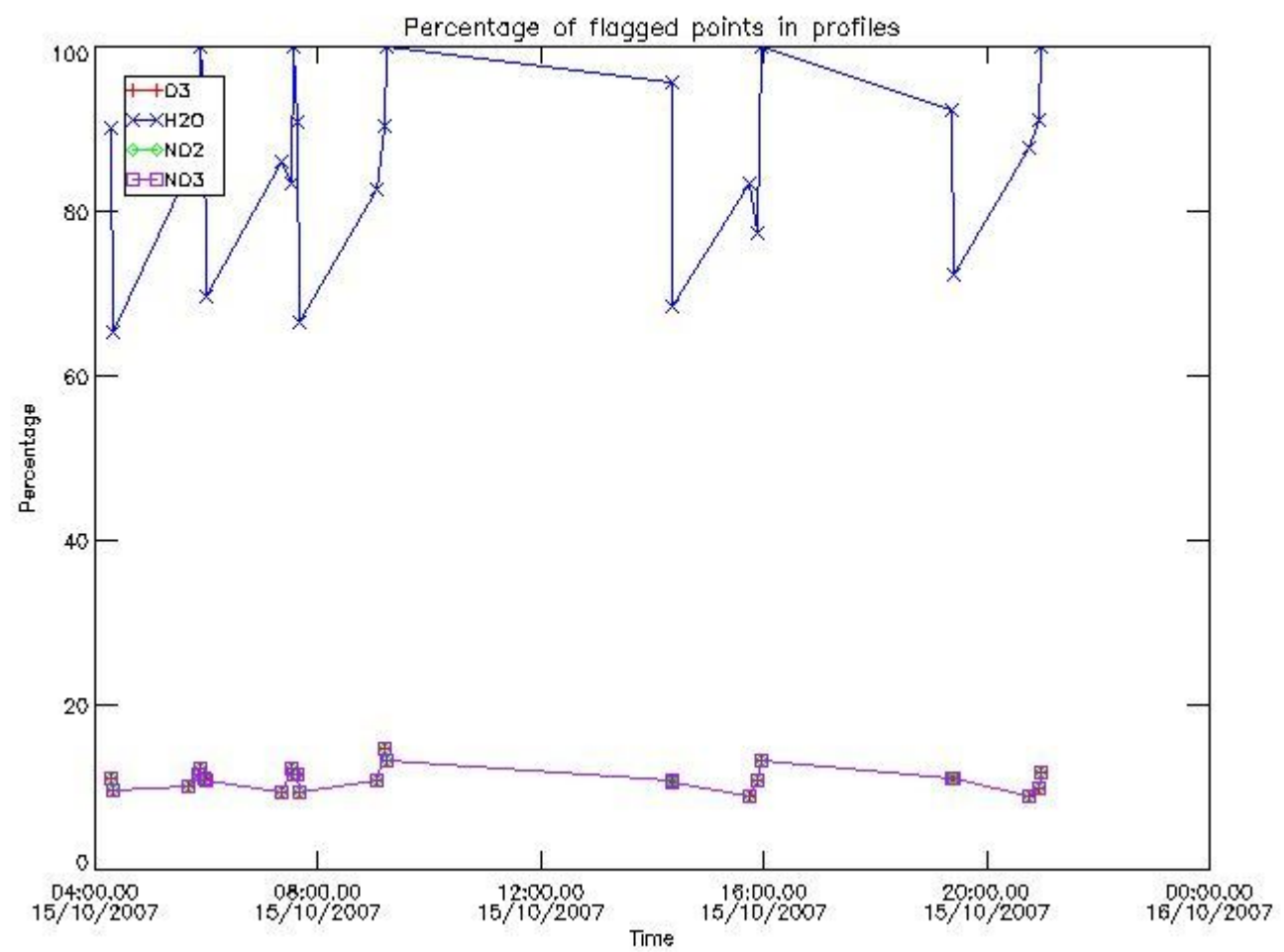
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20071015_041716_000000462062_00291_29403_3693.N1	15-OCT-2007 04:17:16	Dark	45.500	161	Tau Pup	2.9310	4500.0	91	29403	No
2	GOM_NL__2PRFIN20071015_041837_000000532062_00291_29403_3694.N1	15-OCT-2007 04:18:37	Dark	52.500	2	Alp Car	-0.73600	7000.0	105	29403	No
3	GOM_NL__2PRFIN20071015_043029_000000472062_00291_29403_3695.N1	15-OCT-2007 04:30:29	Straylight	46.500	157	The1Eri	2.9060	9300.0	93	29403	No
4	GOM_NL__2PRFIN20071015_043937_000000452062_00291_29403_3696.N1	15-OCT-2007 04:39:37	Straylight	45.000	52	16Bet Cet	2.0370	4500.0	90	29403	No
5	GOM_NL__2PRFIN20071015_044918_000000372062_00291_29403_3697.N1	15-OCT-2007 04:49:18	Bright	36.500	140	88Gam Peg	2.8340	26000.	73	29403	No
6	GOM_NL__2PRFIN20071015_045316_000000372062_00291_29403_3698.N1	15-OCT-2007 04:53:16	Bright	36.500	58	21Alp And	2.0730	11000.	73	29403	No
7	GOM_NL__2PRFIN20071015_045552_000000422062_00291_29403_3699.N1	15-OCT-2007 04:55:52	Bright	42.000	53	43Bet And	2.0480	3300.0	84	29403	No
8	GOM_NL__2PRFIN20071015_050121_000000382062_00291_29403_3700.N1	15-OCT-2007 05:01:21	Bright	37.500	68	18Alp Cas	2.2250	4500.0	75	29403	No
9	GOM_NL__2PRFIN20071015_050243_000000392062_00291_29403_3701.N1	15-OCT-2007 05:02:43	Bright	38.500	76	27Gam Cas	2.3000	30000.	77	29403	No
10	GOM_NL__2PRFIN20071015_051018_000000372062_00291_29403_3702.N1	15-OCT-2007 05:10:18	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	29403	No
11	GOM_NL__2PRFIN20071015_051831_000000372062_00291_29403_3703.N1	15-OCT-2007 05:18:31	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	29403	No
12	GOM_NL__2PRFIN20071015_052004_000000402062_00291_29403_3704.N1	15-OCT-2007 05:20:04	Bright	40.000	82	48Bet UMa	2.3650	10600.	80	29403	No
13	GOM_NL__2PRFIN20071015_052327_000000342062_00291_29403_3705.N1	15-OCT-2007 05:23:27	Bright	34.000	174	52Psi UMa	3.0040	4400.0	68	29403	No
14	GOM_NL__2PRFIN20071015_053022_000000422062_00291_29403_3706.N1	15-OCT-2007 05:30:22	Bright	42.000	166	17Eps Leo	2.9800	6000.0	84	29403	No
15	GOM_NL__2PRFIN20071015_053337_000000412062_00291_29403_3707.N1	15-OCT-2007 05:33:37	Bright	40.500	22	32Alp Leo	1.3600	15200.	81	29403	No
16	GOM_NL__2PRFIN20071015_054055_000000502062_00291_29403_3708.N1	15-OCT-2007 05:40:55	Dark	50.000	48	30Alp Hya	1.9770	4100.0	100	29403	No
17	GOM_NL__2PRFIN20071015_055029_000000452062_00291_29403_3709.N1	15-OCT-2007 05:50:29	Dark	44.500	65	Lam Vel	2.2040	4400.0	89	29403	No
18	GOM_NL__2PRFIN20071015_055337_000000422062_00291_29403_3710.N1	15-OCT-2007 05:53:37	Dark	41.500	34	Gam2Vel	1.7930	23000.	83	29403	No
19	GOM_NL__2PRFIN20071015_055752_000000462062_00292_29404_3702.N1	15-OCT-2007 05:57:52	Dark	45.500	161	Tau Pup	2.9310	4500.0	91	29404	No
20	GOM_NL__2PRFIN20071015_055914_000000472062_00292_29404_3703.N1	15-OCT-2007 05:59:14	Dark	46.500	2	Alp Car	-0.73600	7000.0	93	29404	No
21	GOM_NL__2PRFIN20071015_061105_000000432062_00292_29404_3704.N1	15-OCT-2007 06:11:05	Straylight	43.000	157	The1Eri	2.9060	9300.0	86	29404	No
22	GOM_NL__2PRFIN20071015_062013_000000432062_00292_29404_3705.N1	15-OCT-2007 06:20:13	Straylight	43.000	52	16Bet Cet	2.0370	4500.0	86	29404	No
23	GOM_NL__2PRFIN20071015_062954_000000372062_00292_29404_3706.N1	15-OCT-2007 06:29:54	Bright	36.500	140	88Gam Peg	2.8340	26000.	73	29404	No
24	GOM_NL__2PRFIN20071015_063352_000000362062_00292_29404_3707.N1	15-OCT-2007 06:33:52	Bright	35.500	58	21Alp And	2.0730	11000.	71	29404	No
25	GOM_NL__2PRFIN20071015_063627_000000412062_00292_29404_3708.N1	15-OCT-2007 06:36:27	Bright	40.500	53	43Bet And	2.0480	3300.0	81	29404	No
26	GOM_NL__2PRFIN20071015_064157_000000382062_00292_29404_3709.N1	15-OCT-2007 06:41:57	Bright	37.500	68	18Alp Cas	2.2250	4500.0	75	29404	No
27	GOM_NL__2PRFIN20071015_064319_000000382062_00292_29404_3710.N1	15-OCT-2007 06:43:19	Bright	38.000	76	27Gam Cas	2.3000	30000.	76	29404	No
28	GOM_NL__2PRFIN20071015_065054_000000362062_00292_29404_3711.N1	15-OCT-2007 06:50:54	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	29404	No
29	GOM_NL__2PRFIN20071015_065907_000000372062_00292_29404_3712.N1	15-OCT-2007 06:59:07	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	29404	No
30	GOM_NL__2PRFIN20071015_070040_000000532062_00292_29404_3713.N1	15-OCT-2007 07:00:40	Bright	53.000	82	48Bet UMa	2.3650	10600.	106	29404	No
31	GOM_NL__2PRFIN20071015_070403_000000362062_00292_29404_3714.N1	15-OCT-2007 07:04:03	Bright	36.000	174	52Psi UMa	3.0040	4400.0	72	29404	No
32	GOM_NL__2PRFIN20071015_071058_000000422062_00292_29404_3715.N1	15-OCT-2007 07:10:58	Bright	42.000	166	17Eps Leo	2.9800	6000.0	84	29404	No
33	GOM_NL__2PRFIN20071015_071413_000000412062_00292_29404_3716.N1	15-OCT-2007 07:14:13	Bright	40.500	22	32Alp Leo	1.3600	15200.	81	29404	No
34	GOM_NL__2PRFIN20071015_072132_000000552062_00292_29404_3717.N1	15-OCT-2007 07:21:32	Dark	54.500	48	30Alp Hya	1.9770	4100.0	109	29404	No
35	GOM_NL__2PRFIN20071015_073106_000000462062_00292_29404_3718.N1	15-OCT-2007 07:31:06	Dark	45.500	65	Lam Vel	2.2040	4400.0	91	29404	No
36	GOM_NL__2PRFIN20071015_073414_000000452062_00292_29404_3719.N1	15-OCT-2007 07:34:14	Dark	44.500	34	Gam2Vel	1.7930	23000.	89	29404	No
37	GOM_NL__2PRFIN20071015_073829_000000442062_00293_29405_5079.N1	15-OCT-2007 07:38:29	Dark	44.000	161	Tau Pup	2.9310	4500.0	88	29405	No
38	GOM_NL__2PRFIN20071015_073950_000000602062_00293_29405_5080.N1	15-OCT-2007 07:39:50	Dark	60.000	2	Alp Car	-0.73600	7000.0	120	29405	No
39	GOM_NL__2PRFIN20071015_075142_000000442062_00293_29405_5081.N1	15-OCT-2007 07:51:42	Straylight	44.000	157	The1Eri	2.9060	9300.0	88	29405	No
40	GOM_NL__2PRFIN20071015_080049_000000462062_00293_29405_5082.N1	15-OCT-2007 08:00:49	Straylight	46.000	52	16Bet Cet	2.0370	4500.0	92	29405	No
41	GOM_NL__2PRFIN20071015_081030_000000362062_00293_29405_5083.N1	15-OCT-2007 08:10:30	Bright	36.000	140	88Gam Peg	2.8340	26000.	72	29405	No
42	GOM_NL__2PRFIN20071015_081428_000000362062_00293_29405_5084.N1	15-OCT-2007 08:14:28	Bright	36.000	58	21Alp And	2.0730	11000.	72	29405	No

43	GOM_NL__2PRFIN20071015_081703_000000432062_00293_29405_5085.N1	15-OCT-2007 08:17:03	Bright	43.000	53	43Bet And	2.0480	3300.0	86	29405	No
44	GOM_NL__2PRFIN20071015_082232_000000392062_00293_29405_5086.N1	15-OCT-2007 08:22:32	Bright	38.500	68	18Alp Cas	2.2250	4500.0	77	29405	No
45	GOM_NL__2PRFIN20071015_082354_000000382062_00293_29405_5087.N1	15-OCT-2007 08:23:54	Bright	38.000	76	27Gam Cas	2.3000	30000.	76	29405	No
46	GOM_NL__2PRFIN20071015_083130_000000332062_00293_29405_5088.N1	15-OCT-2007 08:31:30	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	29405	No
47	GOM_NL__2PRFIN20071015_083943_000000362062_00293_29405_5089.N1	15-OCT-2007 08:39:43	Bright	36.000	36	50Alp UMa	1.8000	6300.0	72	29405	No
48	GOM_NL__2PRFIN20071015_084116_000000342062_00293_29405_5090.N1	15-OCT-2007 08:41:16	Bright	34.000	82	48Bet UMa	2.3650	10600.	68	29405	No
49	GOM_NL__2PRFIN20071015_084439_000000342062_00293_29405_5091.N1	15-OCT-2007 08:44:39	Bright	33.500	174	52Psi UMa	3.0040	4400.0	67	29405	No
50	GOM_NL__2PRFIN20071015_085135_000000412062_00293_29405_5092.N1	15-OCT-2007 08:51:35	Bright	41.000	166	17Eps Leo	2.9800	6000.0	82	29405	No
51	GOM_NL__2PRFIN20071015_085450_000000412062_00293_29405_5093.N1	15-OCT-2007 08:54:50	Bright	41.000	22	32Alp Leo	1.3600	15200.	82	29405	No
52	GOM_NL__2PRFIN20071015_090208_000000522062_00293_29405_5094.N1	15-OCT-2007 09:02:08	Dark	52.000	48	30Alp Hya	1.9770	4100.0	104	29405	No
53	GOM_NL__2PRFIN20071015_091142_000000522062_00293_29405_5095.N1	15-OCT-2007 09:11:42	Dark	52.000	65	Lam Vel	2.2040	4400.0	104	29405	No
54	GOM_NL__2PRFIN20071015_091451_000000432062_00293_29405_5096.N1	15-OCT-2007 09:14:51	Dark	42.500	34	Gam2Vel	1.7930	23000.	85	29405	No
55	GOM_NL__2PRFIN20071015_142056_000000472062_00297_29409_5161.N1	15-OCT-2007 14:20:56	Dark	46.500	161	Tau Pup	2.9310	4500.0	93	29409	No
56	GOM_NL__2PRFIN20071015_142217_000000482062_00297_29409_5162.N1	15-OCT-2007 14:22:17	Dark	48.000	2	Alp Car	-0.73600	7000.0	96	29409	No
57	GOM_NL__2PRFIN20071015_143407_000000422062_00297_29409_5163.N1	15-OCT-2007 14:34:07	Straylight	41.500	157	The1Eri	2.9060	9300.0	83	29409	No
58	GOM_NL__2PRFIN20071015_144313_000000422062_00297_29409_5164.N1	15-OCT-2007 14:43:13	Straylight	41.500	52	16Bet Cet	2.0370	4500.0	83	29409	No
59	GOM_NL__2PRFIN20071015_145253_000000372062_00297_29409_5165.N1	15-OCT-2007 14:52:53	Bright	36.500	140	88Gam Peg	2.8340	26000.	73	29409	No
60	GOM_NL__2PRFIN20071015_145651_000000382062_00297_29409_5166.N1	15-OCT-2007 14:56:51	Bright	37.500	58	21Alp And	2.0730	11000.	75	29409	No
61	GOM_NL__2PRFIN20071015_145925_000000412062_00297_29409_5167.N1	15-OCT-2007 14:59:25	Bright	40.500	53	43Bet And	2.0480	3300.0	81	29409	No
62	GOM_NL__2PRFIN20071015_150455_000000392062_00297_29409_5168.N1	15-OCT-2007 15:04:55	Bright	39.000	68	18Alp Cas	2.2250	4500.0	78	29409	No
63	GOM_NL__2PRFIN20071015_150617_000000382062_00297_29409_5169.N1	15-OCT-2007 15:06:17	Bright	38.000	76	27Gam Cas	2.3000	30000.	76	29409	No
64	GOM_NL__2PRFIN20071015_151353_000000362062_00297_29409_5170.N1	15-OCT-2007 15:13:53	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	29409	No
65	GOM_NL__2PRFIN20071015_152207_000000352062_00297_29409_5171.N1	15-OCT-2007 15:22:07	Bright	34.500	36	50Alp UMa	1.8000	6300.0	69	29409	No
66	GOM_NL__2PRFIN20071015_152340_000000352062_00297_29409_5172.N1	15-OCT-2007 15:23:40	Bright	35.000	82	48Bet UMa	2.3650	10600.	70	29409	No
67	GOM_NL__2PRFIN20071015_152703_000000362062_00297_29409_5173.N1	15-OCT-2007 15:27:03	Bright	35.500	174	52Psi UMa	3.0040	4400.0	71	29409	No
68	GOM_NL__2PRFIN20071015_153359_000000412062_00297_29409_5174.N1	15-OCT-2007 15:33:59	Bright	40.500	166	17Eps Leo	2.9800	6000.0	81	29409	No
69	GOM_NL__2PRFIN20071015_153715_000000392062_00297_29409_5175.N1	15-OCT-2007 15:37:15	Bright	38.500	22	32Alp Leo	1.3600	15200.	77	29409	No
70	GOM_NL__2PRFIN20071015_154435_000000582062_00297_29409_5176.N1	15-OCT-2007 15:44:35	Dark	57.500	48	30Alp Hya	1.9770	4100.0	115	29409	No
71	GOM_NL__2PRFIN20071015_155408_000000472062_00297_29409_5177.N1	15-OCT-2007 15:54:08	Dark	47.000	65	Lam Vel	2.2040	4400.0	94	29409	No
72	GOM_NL__2PRFIN20071015_155717_000000422062_00297_29409_5178.N1	15-OCT-2007 15:57:17	Dark	42.000	34	Gam2Vel	1.7930	23000.	84	29409	No
73	GOM_NL__2PRFIN20071015_192247_000000462062_00300_29412_3890.N1	15-OCT-2007 19:22:47	Dark	46.000	161	Tau Pup	2.9310	4500.0	92	29412	No
74	GOM_NL__2PRFIN20071015_192408_000000462062_00300_29412_3891.N1	15-OCT-2007 19:24:08	Dark	45.500	2	Alp Car	-0.73600	7000.0	91	29412	No
75	GOM_NL__2PRFIN20071015_193557_000000442062_00300_29412_3892.N1	15-OCT-2007 19:35:57	Straylight	44.000	157	The1Eri	2.9060	9300.0	88	29412	No
76	GOM_NL__2PRFIN20071015_194501_000000462062_00300_29412_3893.N1	15-OCT-2007 19:45:01	Straylight	45.500	52	16Bet Cet	2.0370	4500.0	91	29412	No
77	GOM_NL__2PRFIN20071015_195441_000000372062_00300_29412_3894.N1	15-OCT-2007 19:54:41	Bright	36.500	140	88Gam Peg	2.8340	26000.	73	29412	No
78	GOM_NL__2PRFIN20071015_195839_000000372062_00300_29412_3895.N1	15-OCT-2007 19:58:39	Bright	37.000	58	21Alp And	2.0730	11000.	74	29412	No
79	GOM_NL__2PRFIN20071015_200112_000000412062_00300_29412_3896.N1	15-OCT-2007 20:01:12	Bright	40.500	53	43Bet And	2.0480	3300.0	81	29412	No
80	GOM_NL__2PRFIN20071015_200643_000000382062_00300_29412_3897.N1	15-OCT-2007 20:06:43	Bright	38.000	68	18Alp Cas	2.2250	4500.0	76	29412	No
81	GOM_NL__2PRFIN20071015_200804_000000382062_00300_29412_3898.N1	15-OCT-2007 20:08:04	Bright	37.500	76	27Gam Cas	2.3000	30000.	75	29412	No
82	GOM_NL__2PRFIN20071015_201541_000000362062_00300_29412_3899.N1	15-OCT-2007 20:15:41	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	29412	No
83	GOM_NL__2PRFIN20071015_202355_000000352062_00300_29412_3900.N1	15-OCT-2007 20:23:55	Bright	34.500	36	50Alp UMa	1.8000	6300.0	69	29412	No
84	GOM_NL__2PRFIN20071015_202528_000000532062_00300_29412_3901.N1	15-OCT-2007 20:25:28	Bright	53.000	82	48Bet UMa	2.3650	10600.	106	29412	No
85	GOM_NL__2PRFIN20071015_202851_000000362062_00300_29412_3902.N1	15-OCT-2007 20:28:51	Bright	35.500	174	52Psi UMa	3.0040	4400.0	71	29412	No
86	GOM_NL__2PRFIN20071015_203548_000000492062_00300_29412_3903.N1	15-OCT-2007 20:35:48	Bright	48.500	166	17Eps Leo	2.9800	6000.0	97	29412	No
87	GOM_NL__2PRFIN20071015_203903_000000572062_00300_29412_3904.N1	15-OCT-2007 20:39:03	Bright	56.500	22	32Alp Leo	1.3600	15200.	113	29412	No
88	GOM_NL__2PRFIN20071015_204625_000000572062_00300_29412_3905.N1	15-OCT-2007 20:46:25	Dark	57.000	48	30Alp Hya	1.9770	4100.0	114	29412	No
89	GOM_NL__2PRFIN20071015_205558_000000512062_00300_29412_3906.N1	15-OCT-2007 20:55:58	Dark	51.000	65	Lam Vel	2.2040	4400.0	102	29412	No
90	GOM_NL__2PRFIN20071015_205907_000000432062_00301_29413_3907.N1	15-OCT-2007 20:59:07	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	29413	No

3. Quality information per product

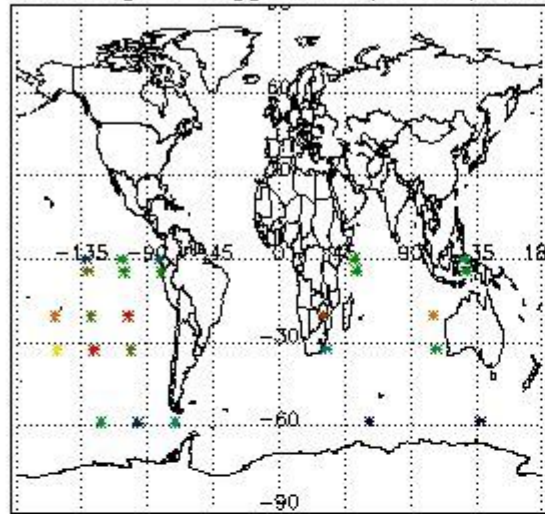
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

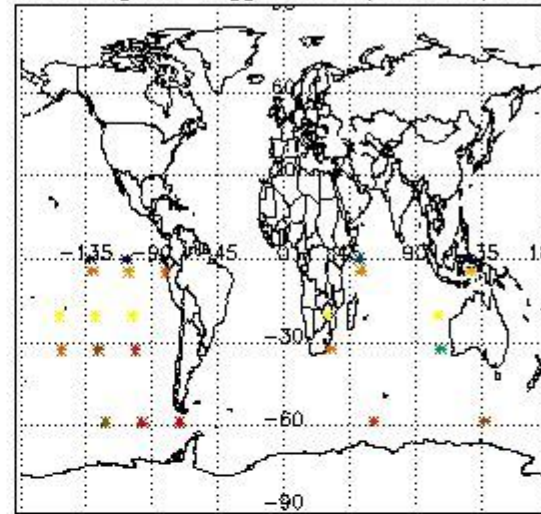


3.2 Plot quality information per product (world map)

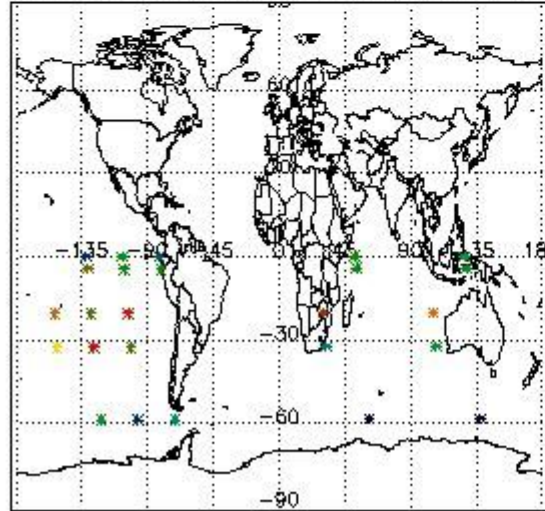
Percentage of flagged data per O3 profile



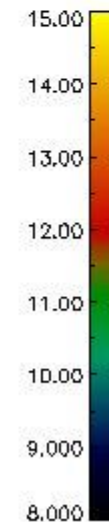
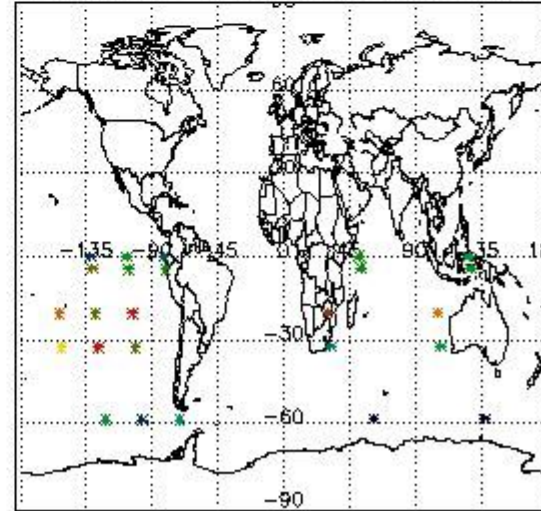
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

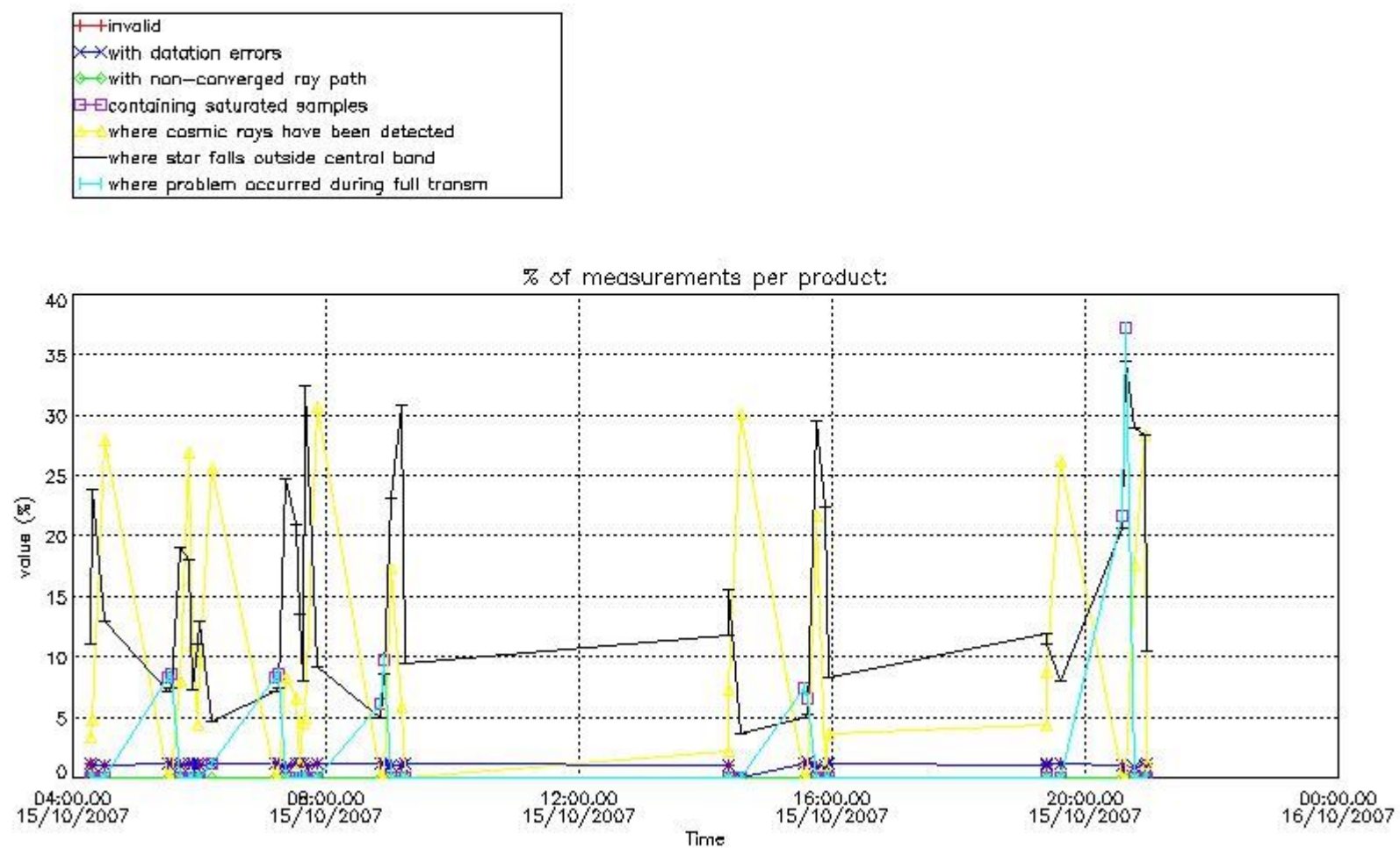


4. Level 1 quality information per product

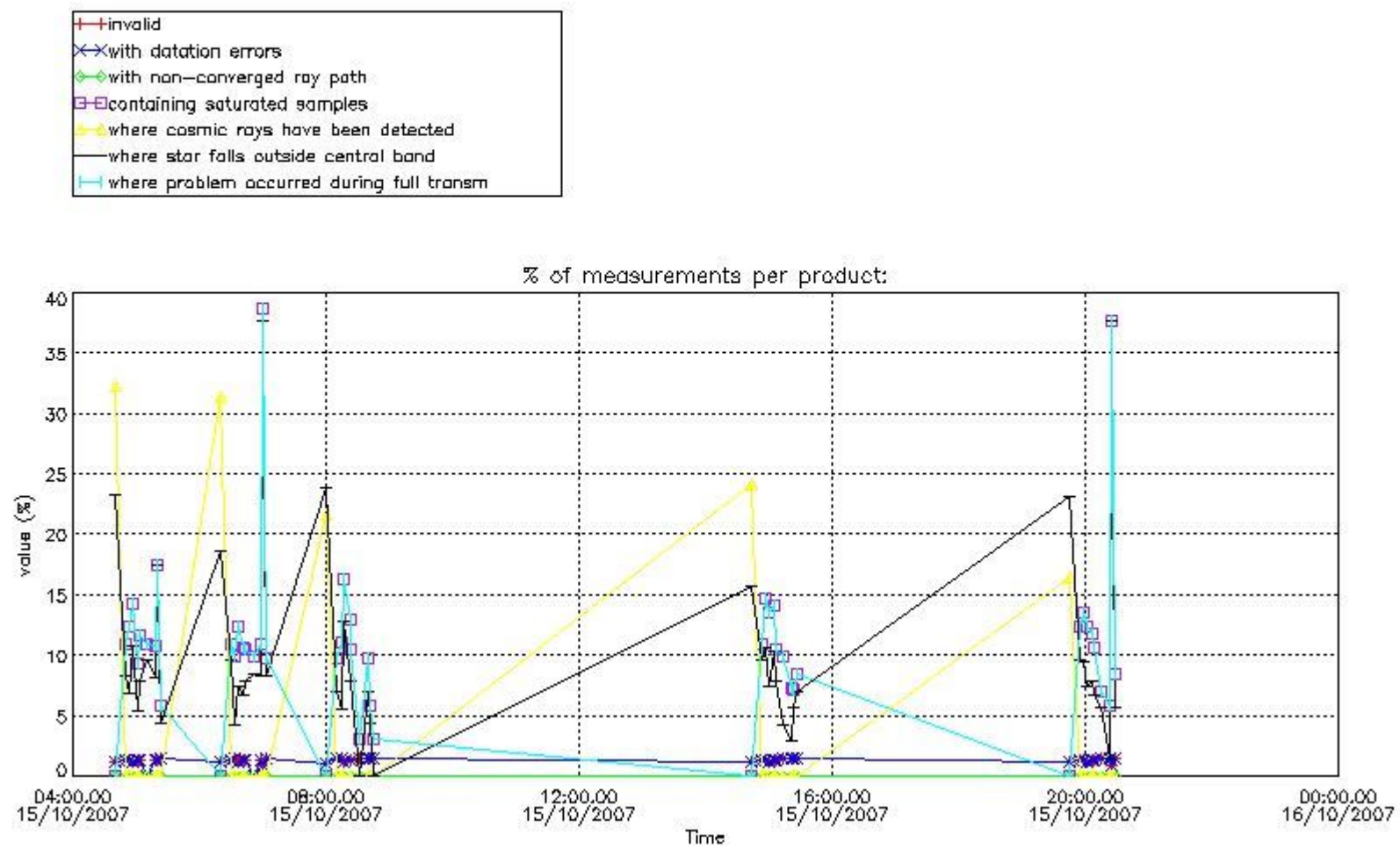
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



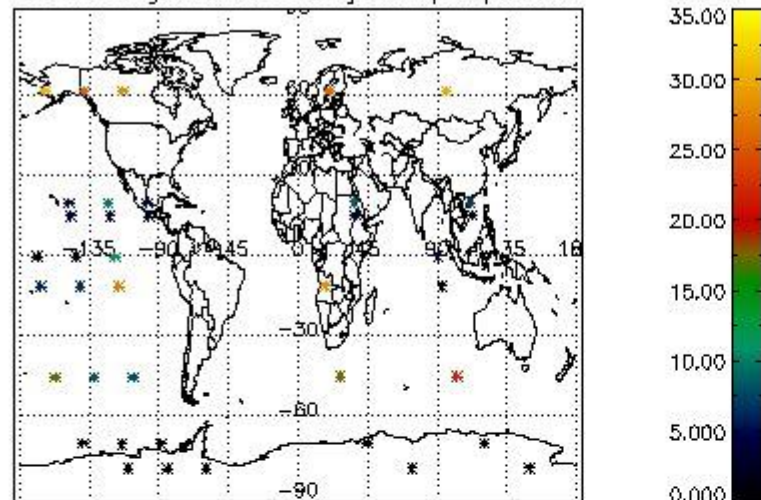
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



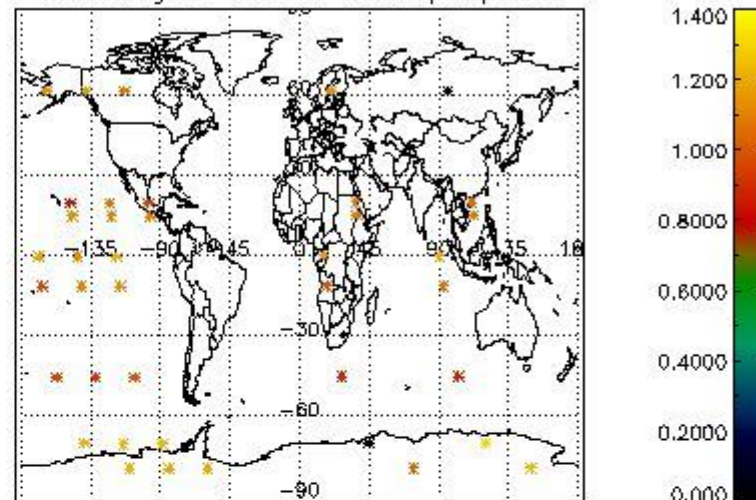
4.2 Plot quality information per product coming from level 1b processing (world map)

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

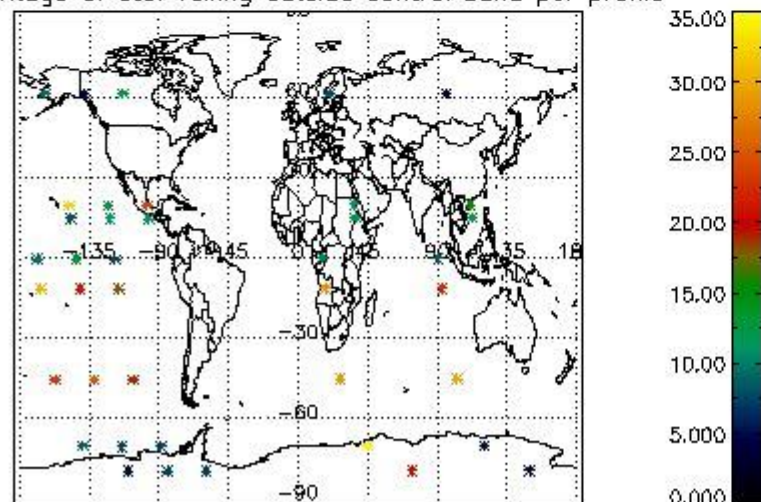
Percentage of cosmic ray hits per profile



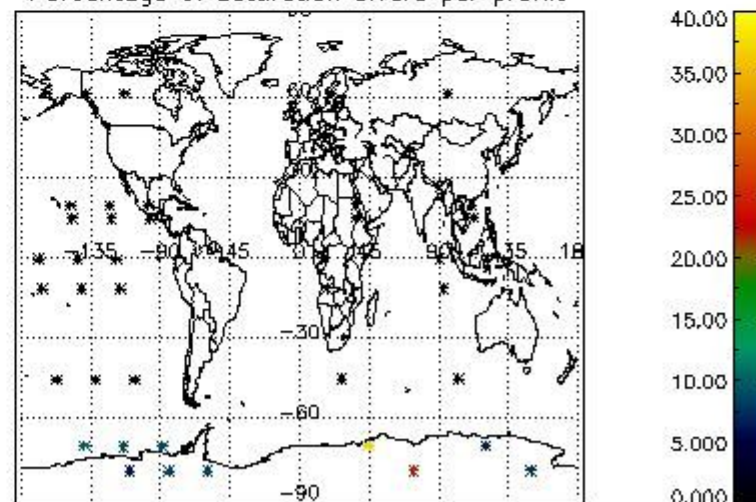
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

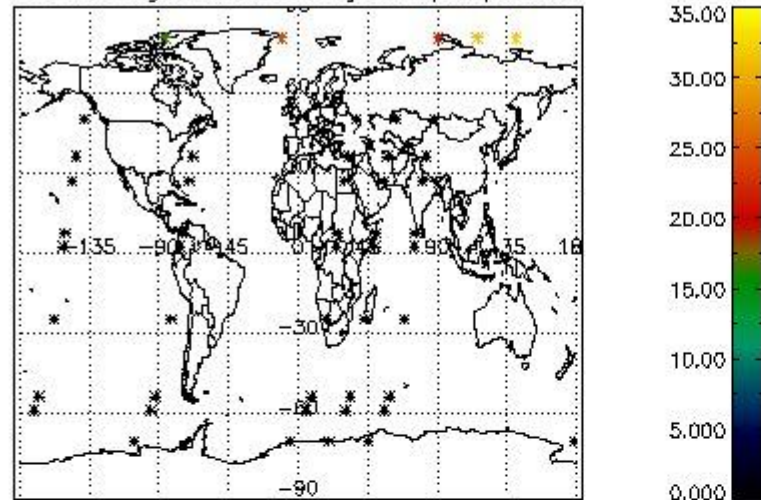


Percentage of saturation errors per profile

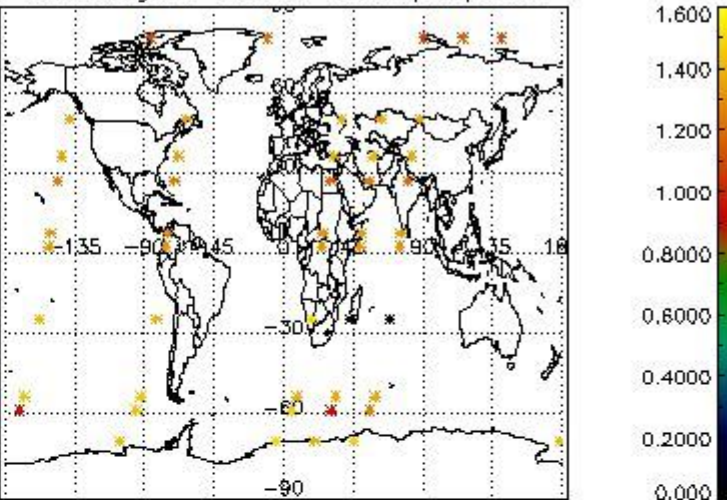


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

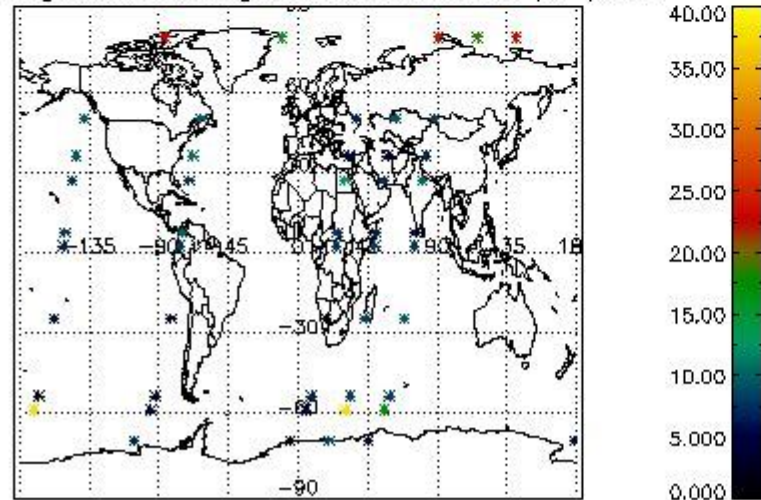
Percentage of cosmic ray hits per profile



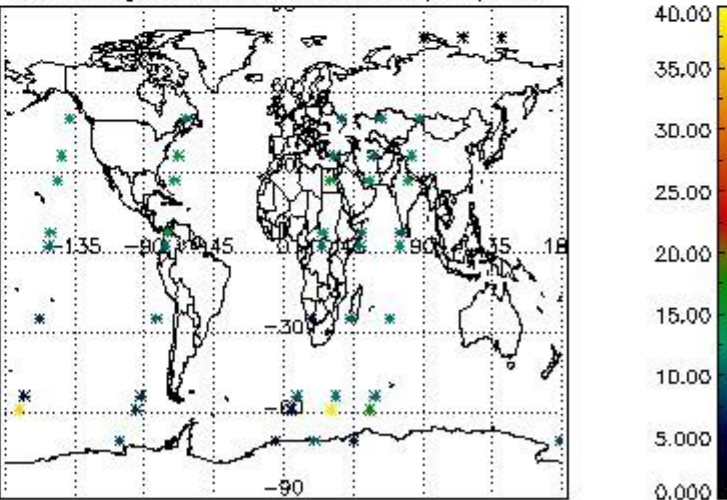
Percentage of datation errors per profile



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

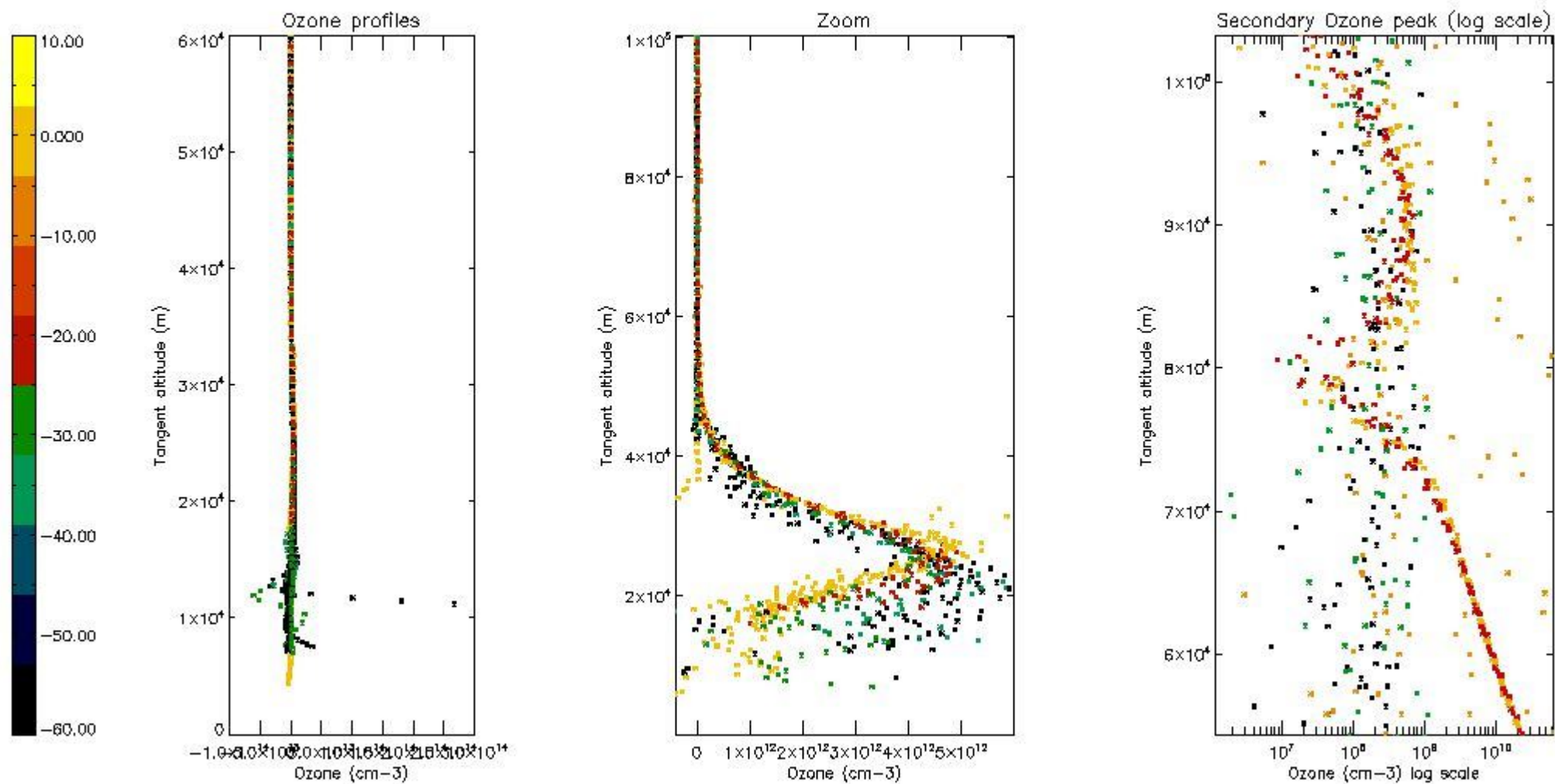
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	33
STD < 20	15

STD < 10	11
STD < 5	8

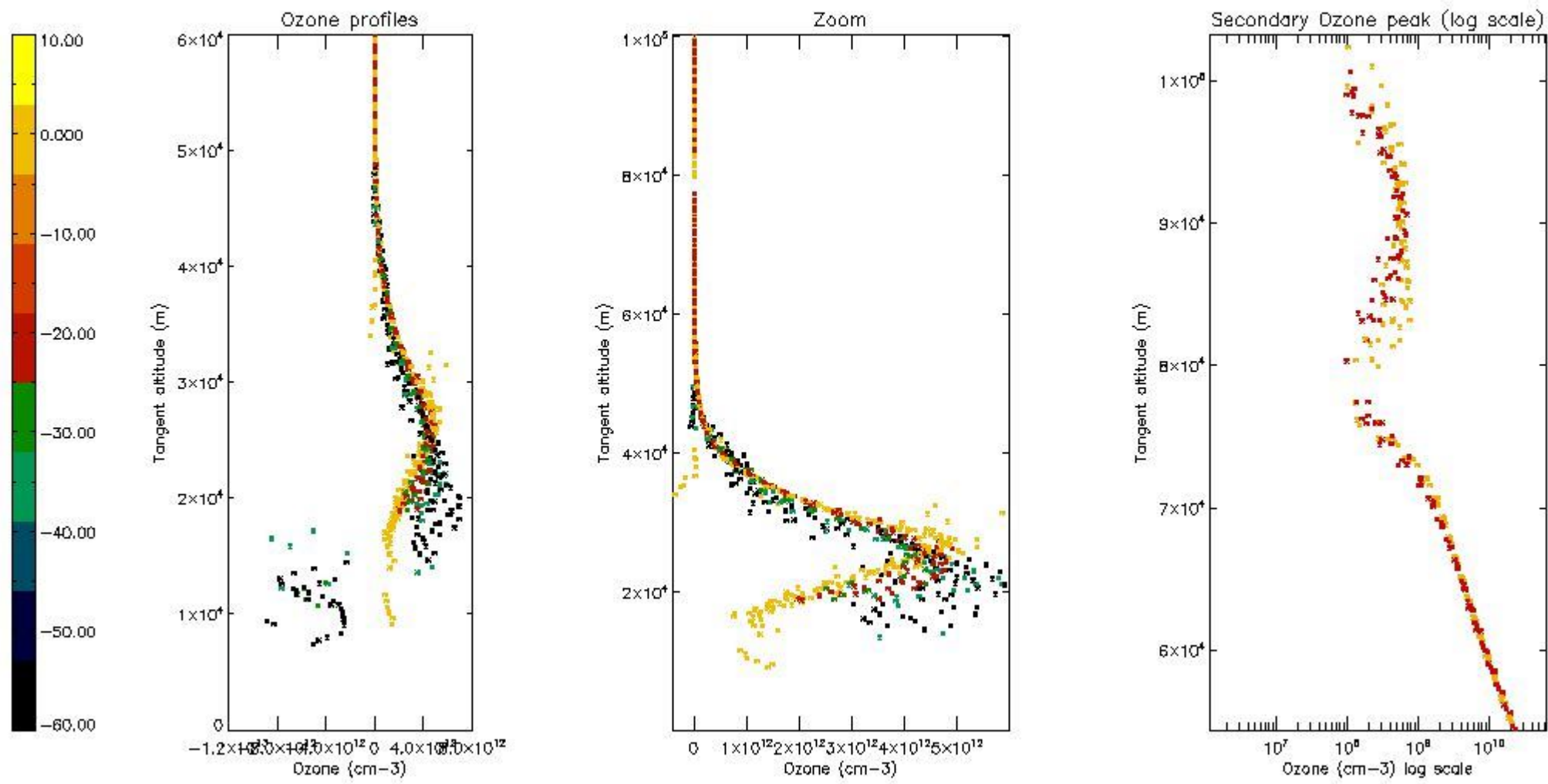
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



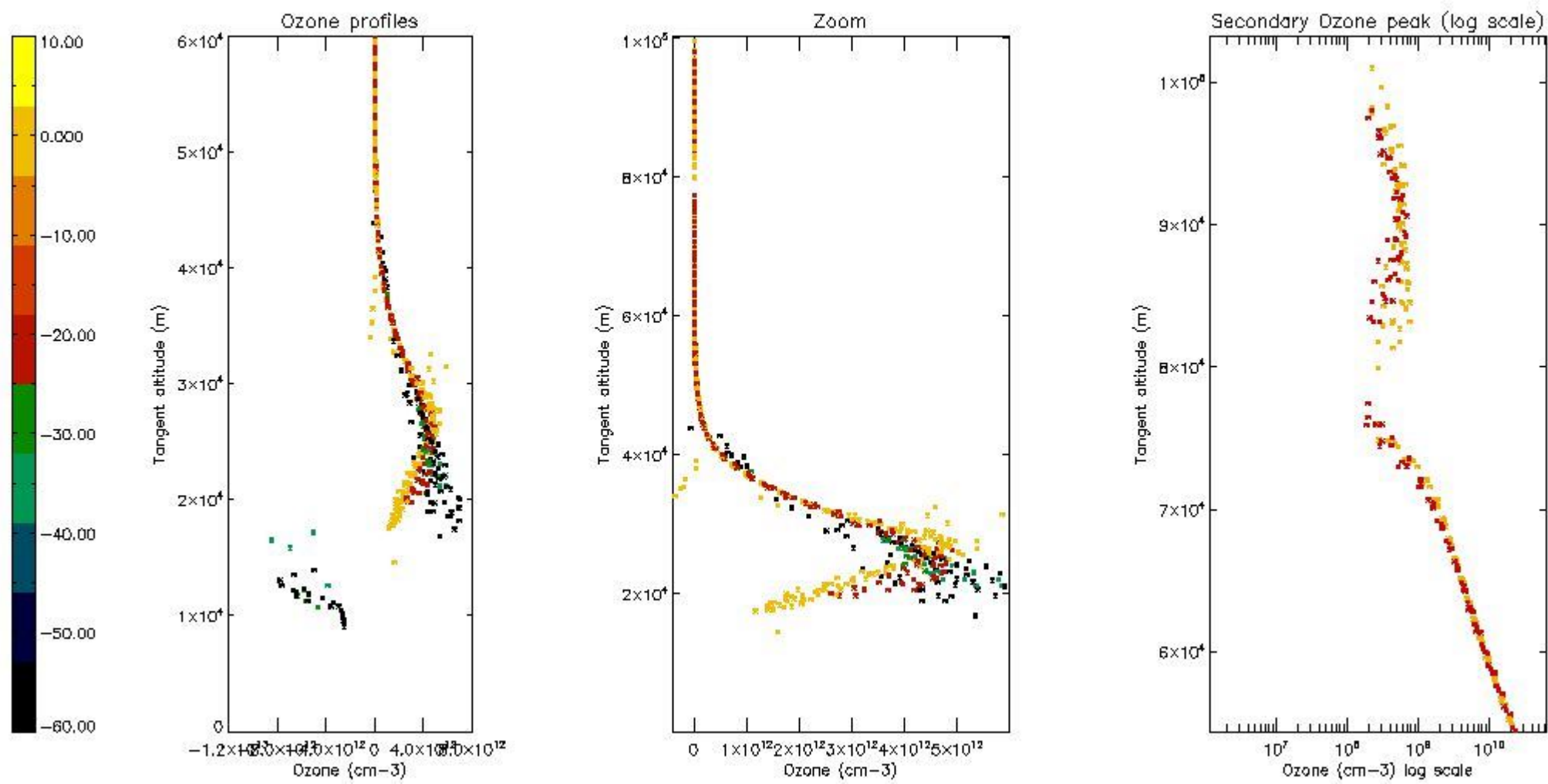
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



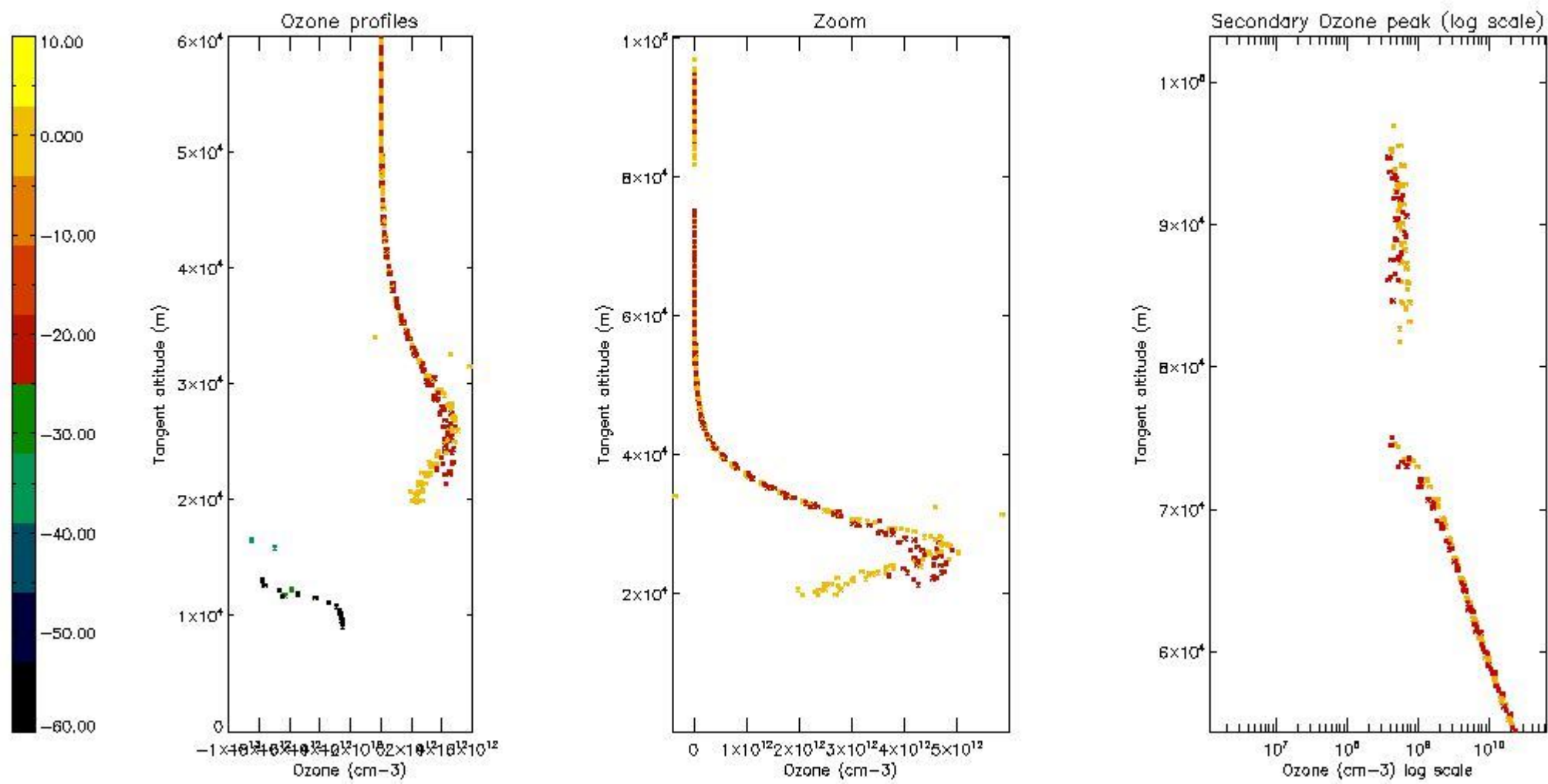
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



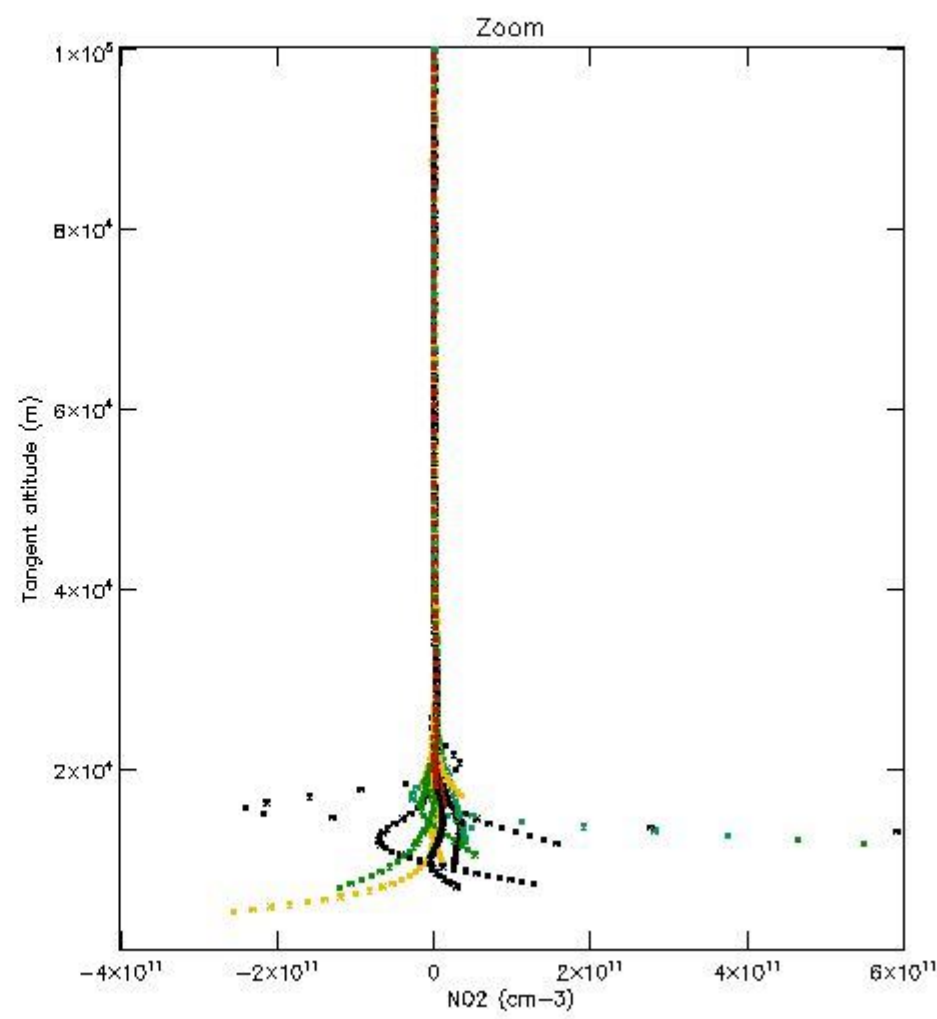
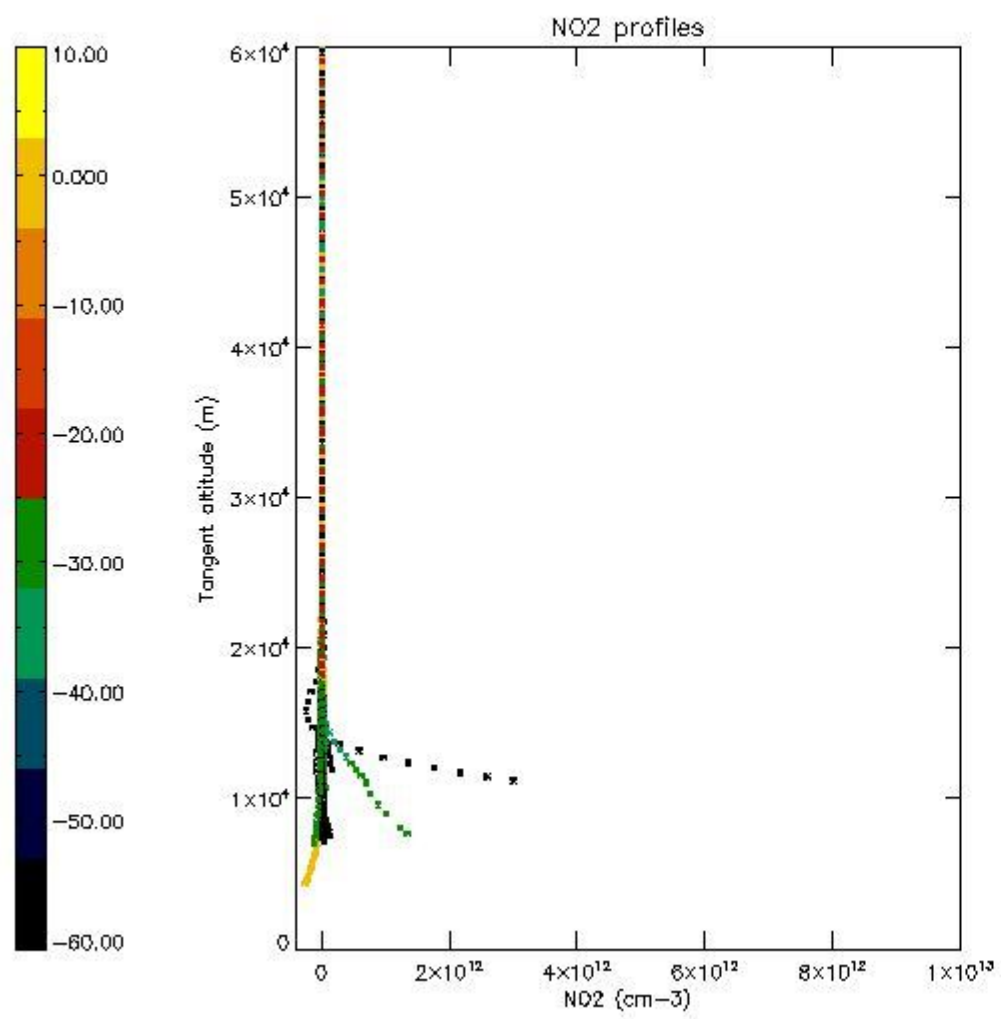
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



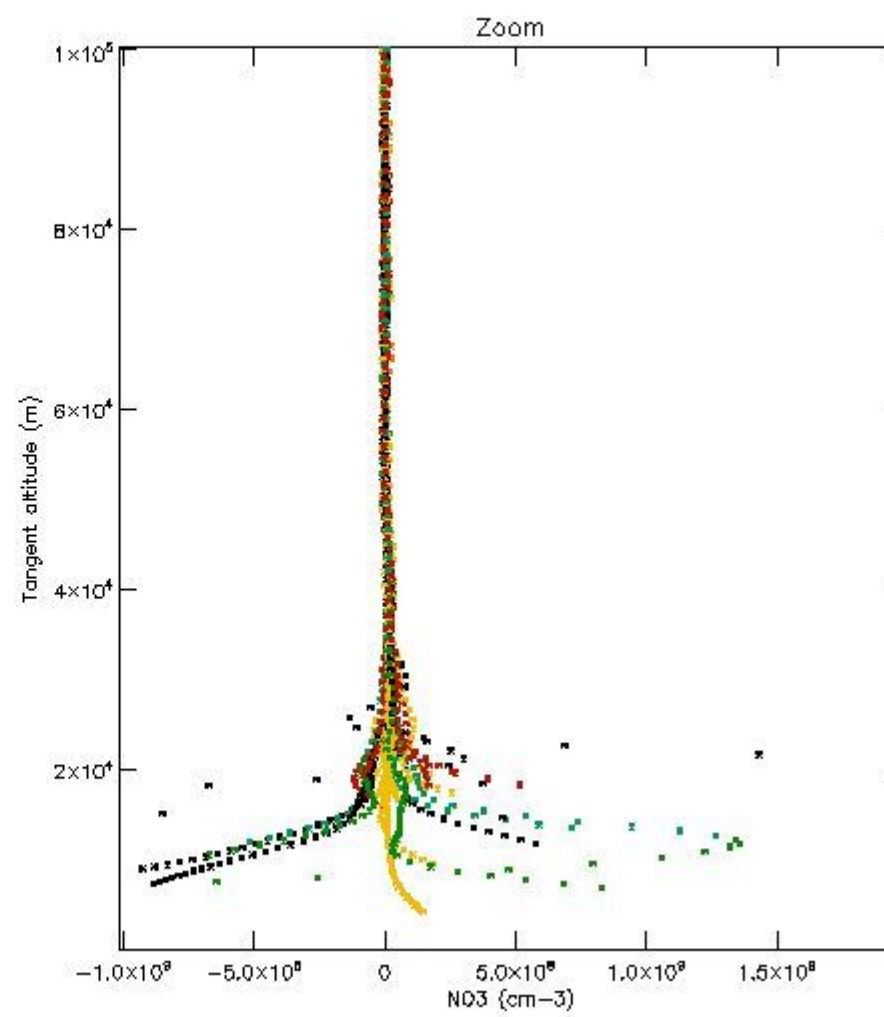
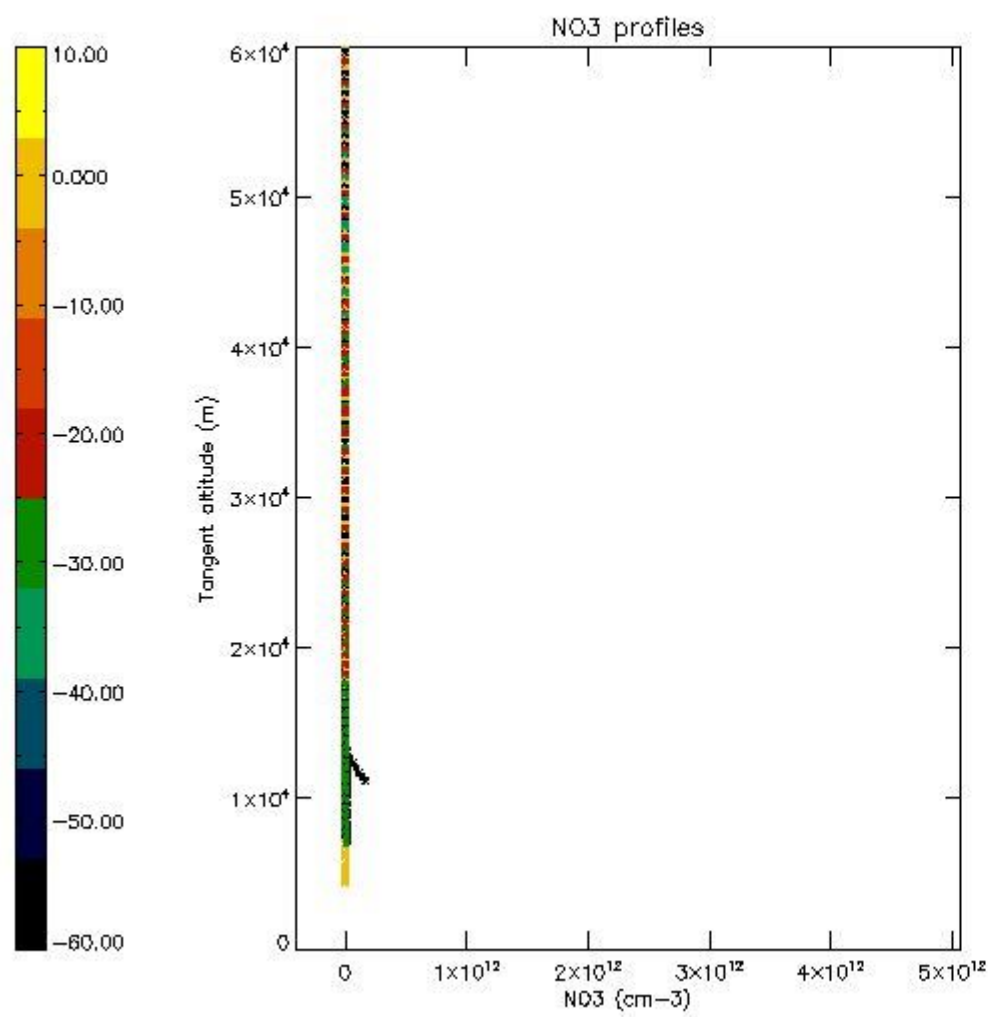
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



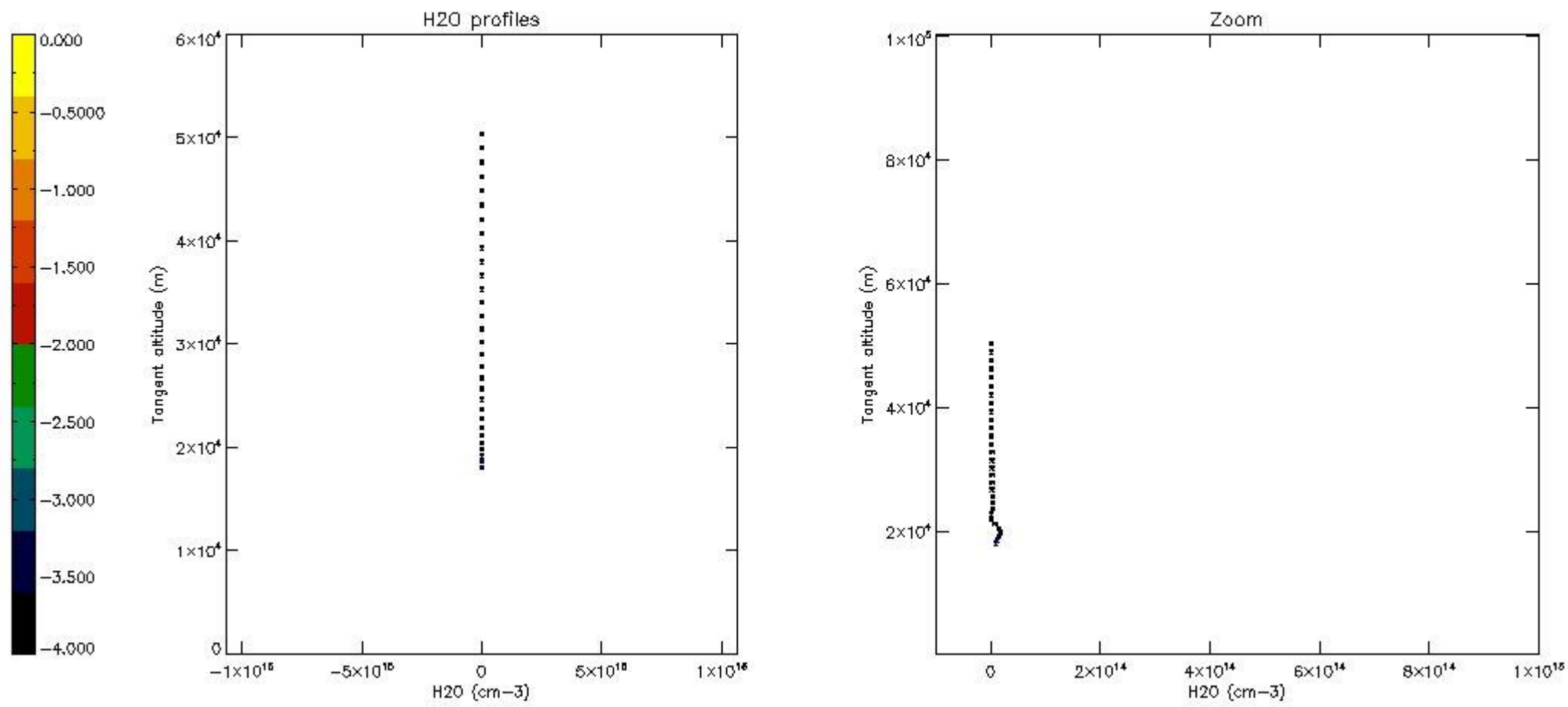
5.7 Plot NO3 profiles for all STD (dark without errors)

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-OCT-2007 04:17:16
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	15-OCT-2007 04:17:16
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	15-OCT-2007 04:17:16

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 \(time dependant\)](#)

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[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](#)

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

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

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

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

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

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

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

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

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

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

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

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

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

Item	Value
Time of report generation	23APR2013 07:46:20
Data source version	GOMOS/6.01
Start time of products	15-10-2007 (15OCT2007 00:00:00)
Stop time of products	16-10-2007 (16OCT2007 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	90
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

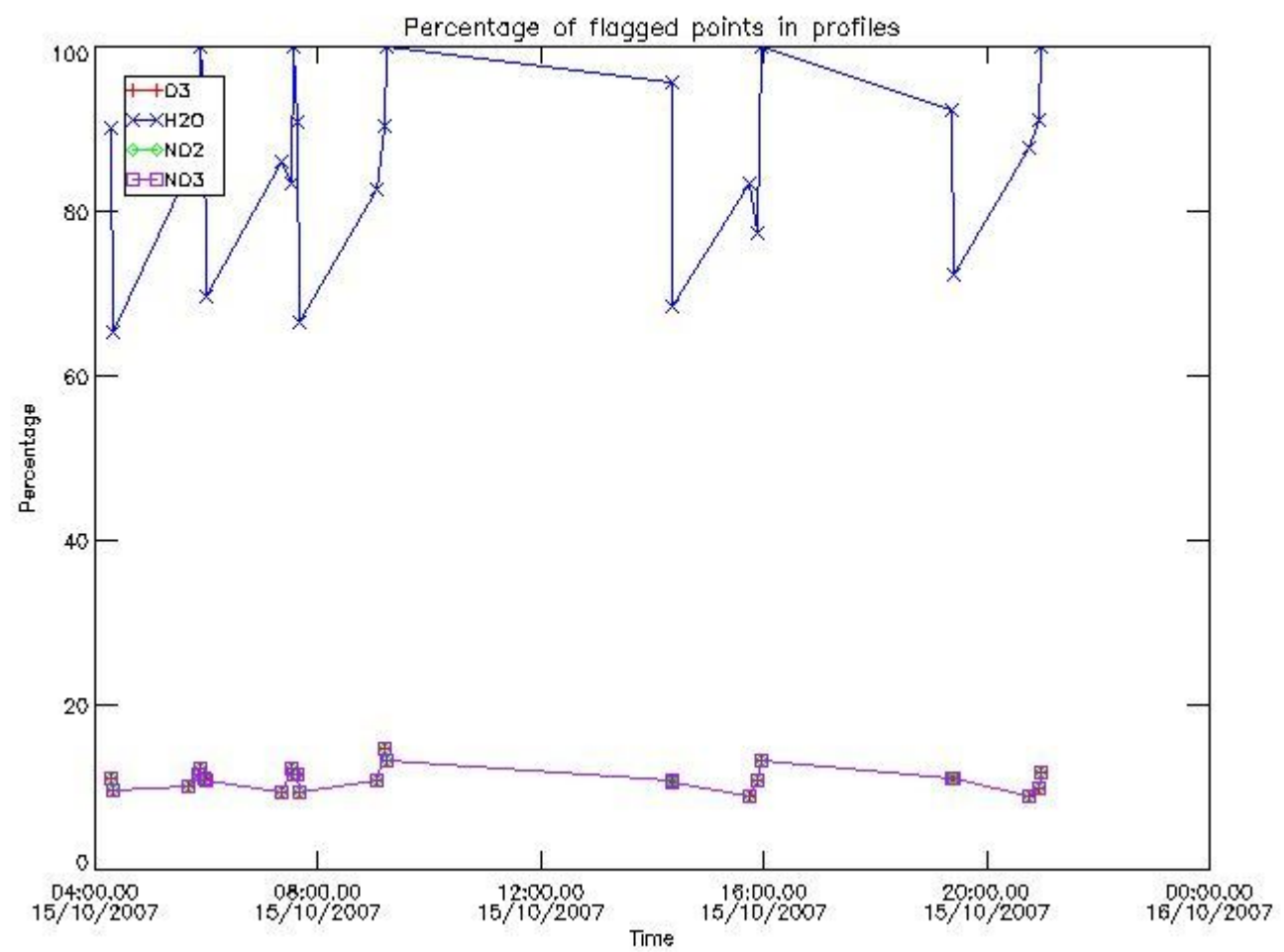
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20071015_041716_000000462062_00291_29403_3693.N1	15-OCT-2007 04:17:16	Dark	45.500	161	Tau Pup	2.9310	4500.0	91	29403	No
2	GOM_NL__2PRFIN20071015_041837_000000532062_00291_29403_3694.N1	15-OCT-2007 04:18:37	Dark	52.500	2	Alp Car	-0.73600	7000.0	105	29403	No
3	GOM_NL__2PRFIN20071015_043029_000000472062_00291_29403_3695.N1	15-OCT-2007 04:30:29	Straylight	46.500	157	The1Eri	2.9060	9300.0	93	29403	No
4	GOM_NL__2PRFIN20071015_043937_000000452062_00291_29403_3696.N1	15-OCT-2007 04:39:37	Straylight	45.000	52	16Bet Cet	2.0370	4500.0	90	29403	No
5	GOM_NL__2PRFIN20071015_044918_000000372062_00291_29403_3697.N1	15-OCT-2007 04:49:18	Bright	36.500	140	88Gam Peg	2.8340	26000.	73	29403	No
6	GOM_NL__2PRFIN20071015_045316_000000372062_00291_29403_3698.N1	15-OCT-2007 04:53:16	Bright	36.500	58	21Alp And	2.0730	11000.	73	29403	No
7	GOM_NL__2PRFIN20071015_045552_000000422062_00291_29403_3699.N1	15-OCT-2007 04:55:52	Bright	42.000	53	43Bet And	2.0480	3300.0	84	29403	No
8	GOM_NL__2PRFIN20071015_050121_000000382062_00291_29403_3700.N1	15-OCT-2007 05:01:21	Bright	37.500	68	18Alp Cas	2.2250	4500.0	75	29403	No
9	GOM_NL__2PRFIN20071015_050243_000000392062_00291_29403_3701.N1	15-OCT-2007 05:02:43	Bright	38.500	76	27Gam Cas	2.3000	30000.	77	29403	No
10	GOM_NL__2PRFIN20071015_051018_000000372062_00291_29403_3702.N1	15-OCT-2007 05:10:18	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	29403	No
11	GOM_NL__2PRFIN20071015_051831_000000372062_00291_29403_3703.N1	15-OCT-2007 05:18:31	Bright	37.000	36	50Alp UMa	1.8000	6300.0	74	29403	No
12	GOM_NL__2PRFIN20071015_052004_000000402062_00291_29403_3704.N1	15-OCT-2007 05:20:04	Bright	40.000	82	48Bet UMa	2.3650	10600.	80	29403	No
13	GOM_NL__2PRFIN20071015_052327_000000342062_00291_29403_3705.N1	15-OCT-2007 05:23:27	Bright	34.000	174	52Psi UMa	3.0040	4400.0	68	29403	No
14	GOM_NL__2PRFIN20071015_053022_000000422062_00291_29403_3706.N1	15-OCT-2007 05:30:22	Bright	42.000	166	17Eps Leo	2.9800	6000.0	84	29403	No
15	GOM_NL__2PRFIN20071015_053337_000000412062_00291_29403_3707.N1	15-OCT-2007 05:33:37	Bright	40.500	22	32Alp Leo	1.3600	15200.	81	29403	No
16	GOM_NL__2PRFIN20071015_054055_000000502062_00291_29403_3708.N1	15-OCT-2007 05:40:55	Dark	50.000	48	30Alp Hya	1.9770	4100.0	100	29403	No
17	GOM_NL__2PRFIN20071015_055029_000000452062_00291_29403_3709.N1	15-OCT-2007 05:50:29	Dark	44.500	65	Lam Vel	2.2040	4400.0	89	29403	No
18	GOM_NL__2PRFIN20071015_055337_000000422062_00291_29403_3710.N1	15-OCT-2007 05:53:37	Dark	41.500	34	Gam2Vel	1.7930	23000.	83	29403	No
19	GOM_NL__2PRFIN20071015_055752_000000462062_00292_29404_3702.N1	15-OCT-2007 05:57:52	Dark	45.500	161	Tau Pup	2.9310	4500.0	91	29404	No
20	GOM_NL__2PRFIN20071015_055914_000000472062_00292_29404_3703.N1	15-OCT-2007 05:59:14	Dark	46.500	2	Alp Car	-0.73600	7000.0	93	29404	No
21	GOM_NL__2PRFIN20071015_061105_000000432062_00292_29404_3704.N1	15-OCT-2007 06:11:05	Straylight	43.000	157	The1Eri	2.9060	9300.0	86	29404	No
22	GOM_NL__2PRFIN20071015_062013_000000432062_00292_29404_3705.N1	15-OCT-2007 06:20:13	Straylight	43.000	52	16Bet Cet	2.0370	4500.0	86	29404	No
23	GOM_NL__2PRFIN20071015_062954_000000372062_00292_29404_3706.N1	15-OCT-2007 06:29:54	Bright	36.500	140	88Gam Peg	2.8340	26000.	73	29404	No
24	GOM_NL__2PRFIN20071015_063352_000000362062_00292_29404_3707.N1	15-OCT-2007 06:33:52	Bright	35.500	58	21Alp And	2.0730	11000.	71	29404	No
25	GOM_NL__2PRFIN20071015_063627_000000412062_00292_29404_3708.N1	15-OCT-2007 06:36:27	Bright	40.500	53	43Bet And	2.0480	3300.0	81	29404	No
26	GOM_NL__2PRFIN20071015_064157_000000382062_00292_29404_3709.N1	15-OCT-2007 06:41:57	Bright	37.500	68	18Alp Cas	2.2250	4500.0	75	29404	No
27	GOM_NL__2PRFIN20071015_064319_000000382062_00292_29404_3710.N1	15-OCT-2007 06:43:19	Bright	38.000	76	27Gam Cas	2.3000	30000.	76	29404	No
28	GOM_NL__2PRFIN20071015_065054_000000362062_00292_29404_3711.N1	15-OCT-2007 06:50:54	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	29404	No
29	GOM_NL__2PRFIN20071015_065907_000000372062_00292_29404_3712.N1	15-OCT-2007 06:59:07	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	29404	No
30	GOM_NL__2PRFIN20071015_070040_000000532062_00292_29404_3713.N1	15-OCT-2007 07:00:40	Bright	53.000	82	48Bet UMa	2.3650	10600.	106	29404	No
31	GOM_NL__2PRFIN20071015_070403_000000362062_00292_29404_3714.N1	15-OCT-2007 07:04:03	Bright	36.000	174	52Psi UMa	3.0040	4400.0	72	29404	No
32	GOM_NL__2PRFIN20071015_071058_000000422062_00292_29404_3715.N1	15-OCT-2007 07:10:58	Bright	42.000	166	17Eps Leo	2.9800	6000.0	84	29404	No
33	GOM_NL__2PRFIN20071015_071413_000000412062_00292_29404_3716.N1	15-OCT-2007 07:14:13	Bright	40.500	22	32Alp Leo	1.3600	15200.	81	29404	No
34	GOM_NL__2PRFIN20071015_072132_000000552062_00292_29404_3717.N1	15-OCT-2007 07:21:32	Dark	54.500	48	30Alp Hya	1.9770	4100.0	109	29404	No
35	GOM_NL__2PRFIN20071015_073106_000000462062_00292_29404_3718.N1	15-OCT-2007 07:31:06	Dark	45.500	65	Lam Vel	2.2040	4400.0	91	29404	No
36	GOM_NL__2PRFIN20071015_073414_000000452062_00292_29404_3719.N1	15-OCT-2007 07:34:14	Dark	44.500	34	Gam2Vel	1.7930	23000.	89	29404	No
37	GOM_NL__2PRFIN20071015_073829_000000442062_00293_29405_5079.N1	15-OCT-2007 07:38:29	Dark	44.000	161	Tau Pup	2.9310	4500.0	88	29405	No
38	GOM_NL__2PRFIN20071015_073950_000000602062_00293_29405_5080.N1	15-OCT-2007 07:39:50	Dark	60.000	2	Alp Car	-0.73600	7000.0	120	29405	No
39	GOM_NL__2PRFIN20071015_075142_000000442062_00293_29405_5081.N1	15-OCT-2007 07:51:42	Straylight	44.000	157	The1Eri	2.9060	9300.0	88	29405	No
40	GOM_NL__2PRFIN20071015_080049_000000462062_00293_29405_5082.N1	15-OCT-2007 08:00:49	Straylight	46.000	52	16Bet Cet	2.0370	4500.0	92	29405	No
41	GOM_NL__2PRFIN20071015_081030_000000362062_00293_29405_5083.N1	15-OCT-2007 08:10:30	Bright	36.000	140	88Gam Peg	2.8340	26000.	72	29405	No
42	GOM_NL__2PRFIN20071015_081428_000000362062_00293_29405_5084.N1	15-OCT-2007 08:14:28	Bright	36.000	58	21Alp And	2.0730	11000.	72	29405	No

43	GOM_NL__2PRFIN20071015_081703_000000432062_00293_29405_5085.N1	15-OCT-2007 08:17:03	Bright	43.000	53	43Bet And	2.0480	3300.0	86	29405	No
44	GOM_NL__2PRFIN20071015_082232_000000392062_00293_29405_5086.N1	15-OCT-2007 08:22:32	Bright	38.500	68	18Alp Cas	2.2250	4500.0	77	29405	No
45	GOM_NL__2PRFIN20071015_082354_000000382062_00293_29405_5087.N1	15-OCT-2007 08:23:54	Bright	38.000	76	27Gam Cas	2.3000	30000.	76	29405	No
46	GOM_NL__2PRFIN20071015_083130_000000332062_00293_29405_5088.N1	15-OCT-2007 08:31:30	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	29405	No
47	GOM_NL__2PRFIN20071015_083943_000000362062_00293_29405_5089.N1	15-OCT-2007 08:39:43	Bright	36.000	36	50Alp UMa	1.8000	6300.0	72	29405	No
48	GOM_NL__2PRFIN20071015_084116_000000342062_00293_29405_5090.N1	15-OCT-2007 08:41:16	Bright	34.000	82	48Bet UMa	2.3650	10600.	68	29405	No
49	GOM_NL__2PRFIN20071015_084439_000000342062_00293_29405_5091.N1	15-OCT-2007 08:44:39	Bright	33.500	174	52Psi UMa	3.0040	4400.0	67	29405	No
50	GOM_NL__2PRFIN20071015_085135_000000412062_00293_29405_5092.N1	15-OCT-2007 08:51:35	Bright	41.000	166	17Eps Leo	2.9800	6000.0	82	29405	No
51	GOM_NL__2PRFIN20071015_085450_000000412062_00293_29405_5093.N1	15-OCT-2007 08:54:50	Bright	41.000	22	32Alp Leo	1.3600	15200.	82	29405	No
52	GOM_NL__2PRFIN20071015_090208_000000522062_00293_29405_5094.N1	15-OCT-2007 09:02:08	Dark	52.000	48	30Alp Hya	1.9770	4100.0	104	29405	No
53	GOM_NL__2PRFIN20071015_091142_000000522062_00293_29405_5095.N1	15-OCT-2007 09:11:42	Dark	52.000	65	Lam Vel	2.2040	4400.0	104	29405	No
54	GOM_NL__2PRFIN20071015_091451_000000432062_00293_29405_5096.N1	15-OCT-2007 09:14:51	Dark	42.500	34	Gam2Vel	1.7930	23000.	85	29405	No
55	GOM_NL__2PRFIN20071015_142056_000000472062_00297_29409_5161.N1	15-OCT-2007 14:20:56	Dark	46.500	161	Tau Pup	2.9310	4500.0	93	29409	No
56	GOM_NL__2PRFIN20071015_142217_000000482062_00297_29409_5162.N1	15-OCT-2007 14:22:17	Dark	48.000	2	Alp Car	-0.73600	7000.0	96	29409	No
57	GOM_NL__2PRFIN20071015_143407_000000422062_00297_29409_5163.N1	15-OCT-2007 14:34:07	Straylight	41.500	157	The1Eri	2.9060	9300.0	83	29409	No
58	GOM_NL__2PRFIN20071015_144313_000000422062_00297_29409_5164.N1	15-OCT-2007 14:43:13	Straylight	41.500	52	16Bet Cet	2.0370	4500.0	83	29409	No
59	GOM_NL__2PRFIN20071015_145253_000000372062_00297_29409_5165.N1	15-OCT-2007 14:52:53	Bright	36.500	140	88Gam Peg	2.8340	26000.	73	29409	No
60	GOM_NL__2PRFIN20071015_145651_000000382062_00297_29409_5166.N1	15-OCT-2007 14:56:51	Bright	37.500	58	21Alp And	2.0730	11000.	75	29409	No
61	GOM_NL__2PRFIN20071015_145925_000000412062_00297_29409_5167.N1	15-OCT-2007 14:59:25	Bright	40.500	53	43Bet And	2.0480	3300.0	81	29409	No
62	GOM_NL__2PRFIN20071015_150455_000000392062_00297_29409_5168.N1	15-OCT-2007 15:04:55	Bright	39.000	68	18Alp Cas	2.2250	4500.0	78	29409	No
63	GOM_NL__2PRFIN20071015_150617_000000382062_00297_29409_5169.N1	15-OCT-2007 15:06:17	Bright	38.000	76	27Gam Cas	2.3000	30000.	76	29409	No
64	GOM_NL__2PRFIN20071015_151353_000000362062_00297_29409_5170.N1	15-OCT-2007 15:13:53	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	29409	No
65	GOM_NL__2PRFIN20071015_152207_000000352062_00297_29409_5171.N1	15-OCT-2007 15:22:07	Bright	34.500	36	50Alp UMa	1.8000	6300.0	69	29409	No
66	GOM_NL__2PRFIN20071015_152340_000000352062_00297_29409_5172.N1	15-OCT-2007 15:23:40	Bright	35.000	82	48Bet UMa	2.3650	10600.	70	29409	No
67	GOM_NL__2PRFIN20071015_152703_000000362062_00297_29409_5173.N1	15-OCT-2007 15:27:03	Bright	35.500	174	52Psi UMa	3.0040	4400.0	71	29409	No
68	GOM_NL__2PRFIN20071015_153359_000000412062_00297_29409_5174.N1	15-OCT-2007 15:33:59	Bright	40.500	166	17Eps Leo	2.9800	6000.0	81	29409	No
69	GOM_NL__2PRFIN20071015_153715_000000392062_00297_29409_5175.N1	15-OCT-2007 15:37:15	Bright	38.500	22	32Alp Leo	1.3600	15200.	77	29409	No
70	GOM_NL__2PRFIN20071015_154435_000000582062_00297_29409_5176.N1	15-OCT-2007 15:44:35	Dark	57.500	48	30Alp Hya	1.9770	4100.0	115	29409	No
71	GOM_NL__2PRFIN20071015_155408_000000472062_00297_29409_5177.N1	15-OCT-2007 15:54:08	Dark	47.000	65	Lam Vel	2.2040	4400.0	94	29409	No
72	GOM_NL__2PRFIN20071015_155717_000000422062_00297_29409_5178.N1	15-OCT-2007 15:57:17	Dark	42.000	34	Gam2Vel	1.7930	23000.	84	29409	No
73	GOM_NL__2PRFIN20071015_192247_000000462062_00300_29412_3890.N1	15-OCT-2007 19:22:47	Dark	46.000	161	Tau Pup	2.9310	4500.0	92	29412	No
74	GOM_NL__2PRFIN20071015_192408_000000462062_00300_29412_3891.N1	15-OCT-2007 19:24:08	Dark	45.500	2	Alp Car	-0.73600	7000.0	91	29412	No
75	GOM_NL__2PRFIN20071015_193557_000000442062_00300_29412_3892.N1	15-OCT-2007 19:35:57	Straylight	44.000	157	The1Eri	2.9060	9300.0	88	29412	No
76	GOM_NL__2PRFIN20071015_194501_000000462062_00300_29412_3893.N1	15-OCT-2007 19:45:01	Straylight	45.500	52	16Bet Cet	2.0370	4500.0	91	29412	No
77	GOM_NL__2PRFIN20071015_195441_000000372062_00300_29412_3894.N1	15-OCT-2007 19:54:41	Bright	36.500	140	88Gam Peg	2.8340	26000.	73	29412	No
78	GOM_NL__2PRFIN20071015_195839_000000372062_00300_29412_3895.N1	15-OCT-2007 19:58:39	Bright	37.000	58	21Alp And	2.0730	11000.	74	29412	No
79	GOM_NL__2PRFIN20071015_200112_000000412062_00300_29412_3896.N1	15-OCT-2007 20:01:12	Bright	40.500	53	43Bet And	2.0480	3300.0	81	29412	No
80	GOM_NL__2PRFIN20071015_200643_000000382062_00300_29412_3897.N1	15-OCT-2007 20:06:43	Bright	38.000	68	18Alp Cas	2.2250	4500.0	76	29412	No
81	GOM_NL__2PRFIN20071015_200804_000000382062_00300_29412_3898.N1	15-OCT-2007 20:08:04	Bright	37.500	76	27Gam Cas	2.3000	30000.	75	29412	No
82	GOM_NL__2PRFIN20071015_201541_000000362062_00300_29412_3899.N1	15-OCT-2007 20:15:41	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	29412	No
83	GOM_NL__2PRFIN20071015_202355_000000352062_00300_29412_3900.N1	15-OCT-2007 20:23:55	Bright	34.500	36	50Alp UMa	1.8000	6300.0	69	29412	No
84	GOM_NL__2PRFIN20071015_202528_000000532062_00300_29412_3901.N1	15-OCT-2007 20:25:28	Bright	53.000	82	48Bet UMa	2.3650	10600.	106	29412	No
85	GOM_NL__2PRFIN20071015_202851_000000362062_00300_29412_3902.N1	15-OCT-2007 20:28:51	Bright	35.500	174	52Psi UMa	3.0040	4400.0	71	29412	No
86	GOM_NL__2PRFIN20071015_203548_000000492062_00300_29412_3903.N1	15-OCT-2007 20:35:48	Bright	48.500	166	17Eps Leo	2.9800	6000.0	97	29412	No
87	GOM_NL__2PRFIN20071015_203903_000000572062_00300_29412_3904.N1	15-OCT-2007 20:39:03	Bright	56.500	22	32Alp Leo	1.3600	15200.	113	29412	No
88	GOM_NL__2PRFIN20071015_204625_000000572062_00300_29412_3905.N1	15-OCT-2007 20:46:25	Dark	57.000	48	30Alp Hya	1.9770	4100.0	114	29412	No
89	GOM_NL__2PRFIN20071015_205558_000000512062_00300_29412_3906.N1	15-OCT-2007 20:55:58	Dark	51.000	65	Lam Vel	2.2040	4400.0	102	29412	No
90	GOM_NL__2PRFIN20071015_205907_000000432062_00301_29413_3907.N1	15-OCT-2007 20:59:07	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	29413	No

3. Quality information per product

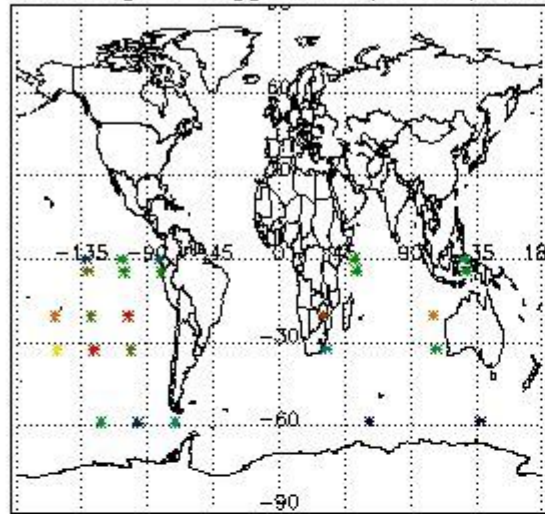
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

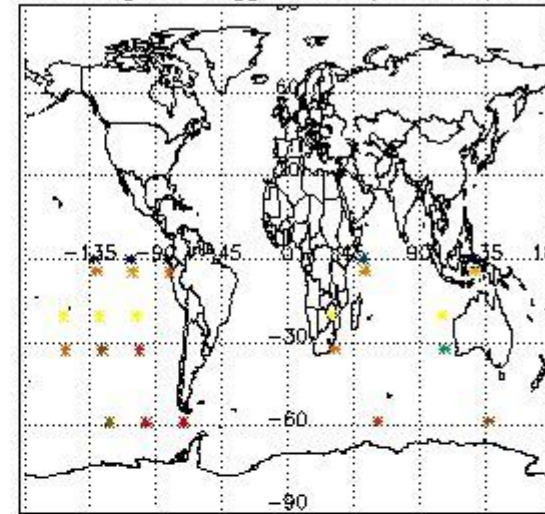


3.2 Plot quality information per product (world map)

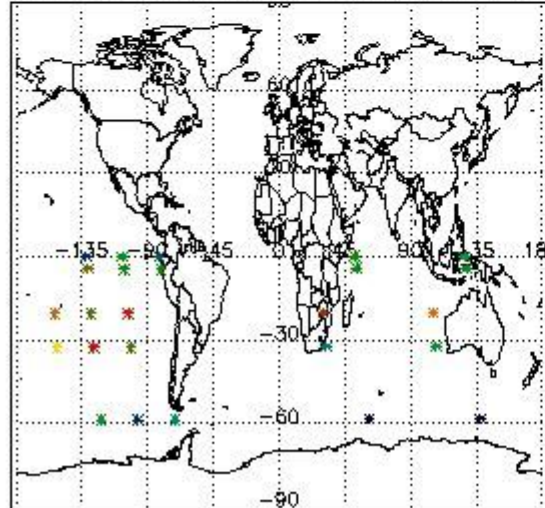
Percentage of flagged data per O3 profile



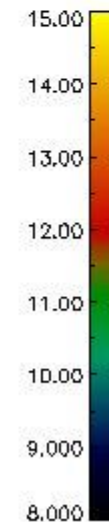
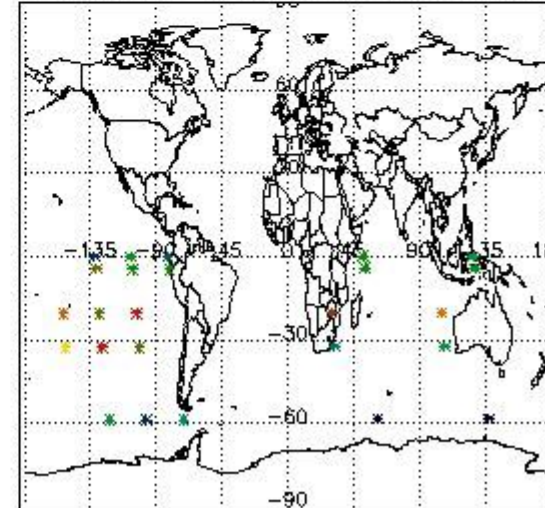
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

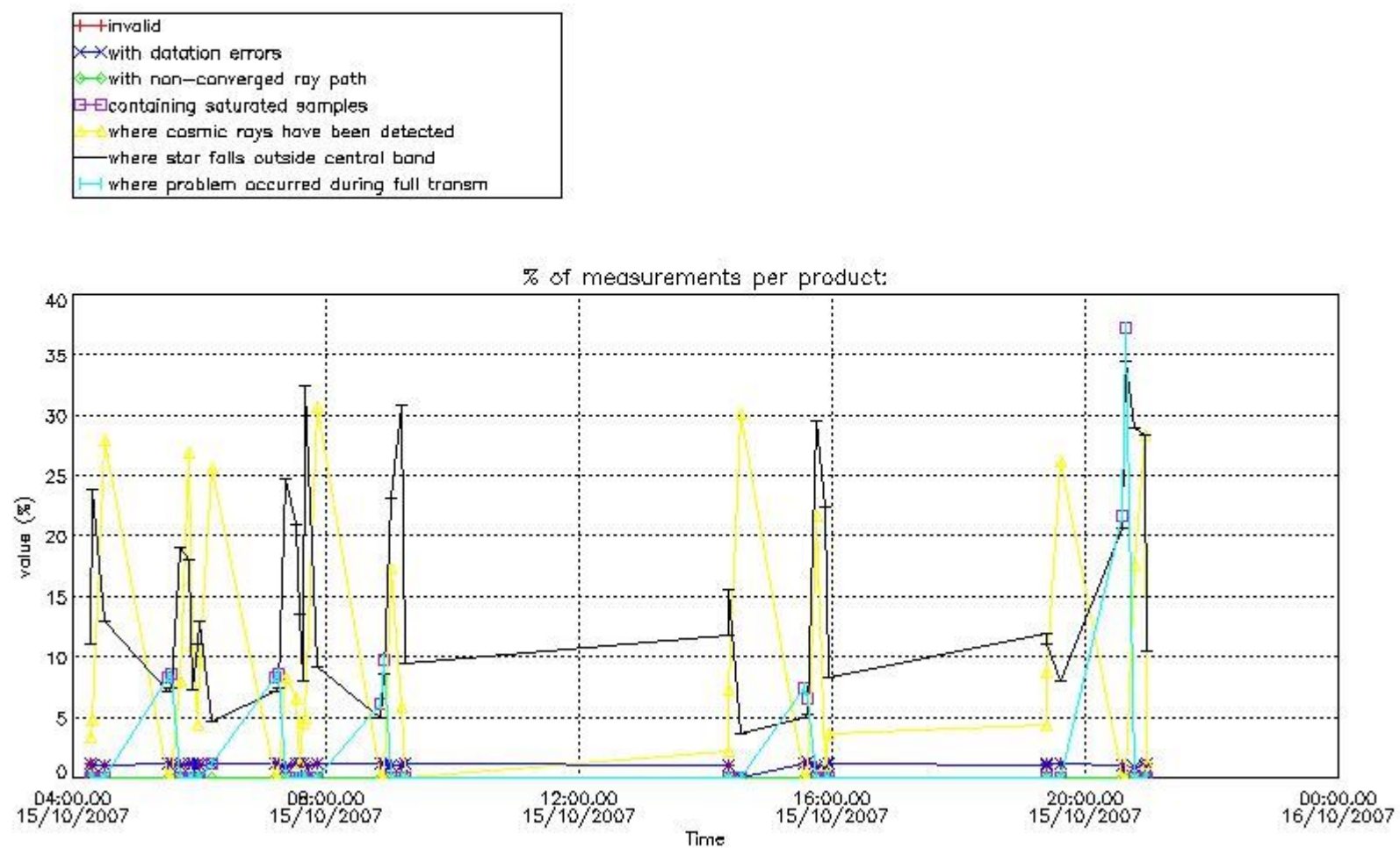


4. Level 1 quality information per product

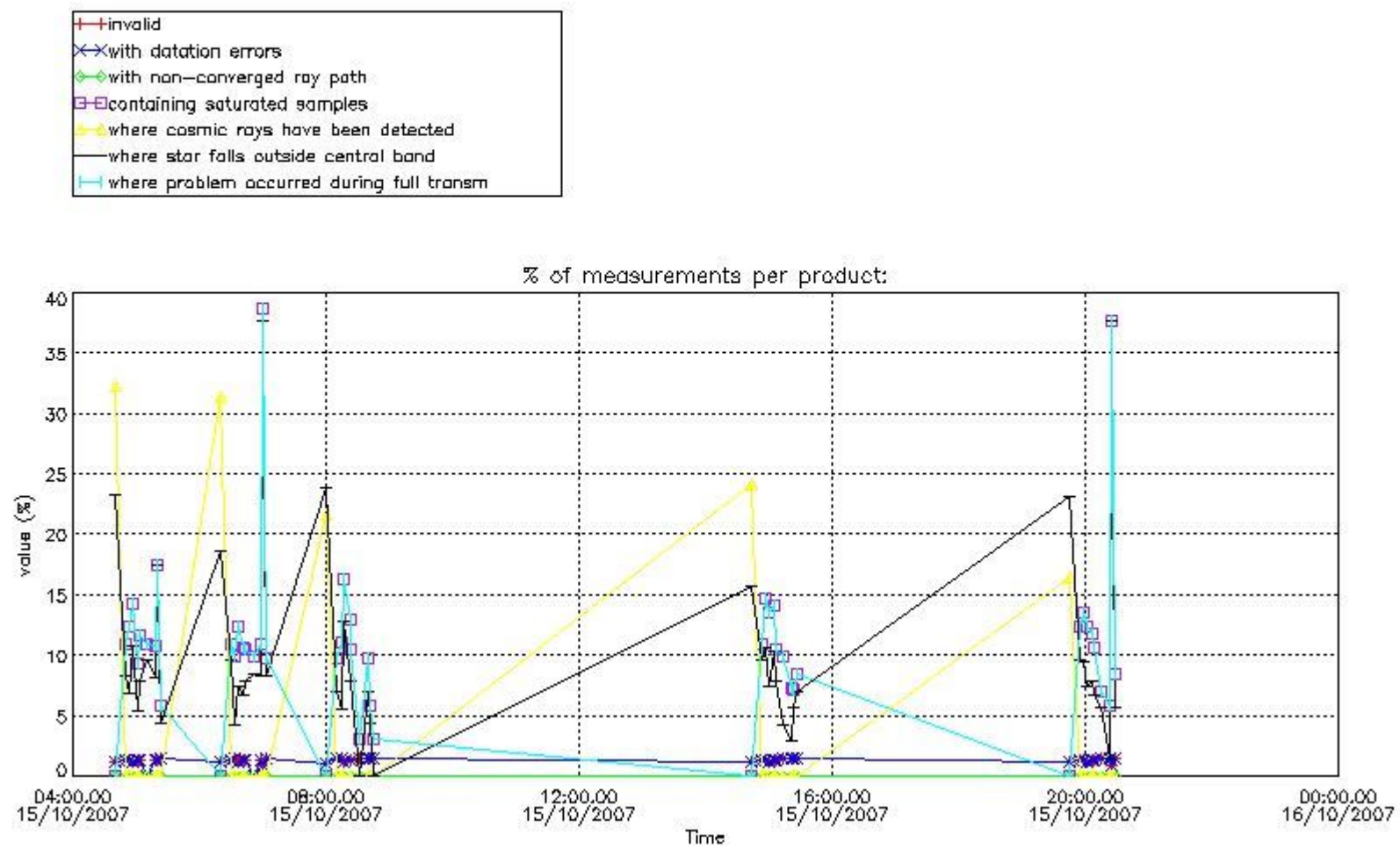
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



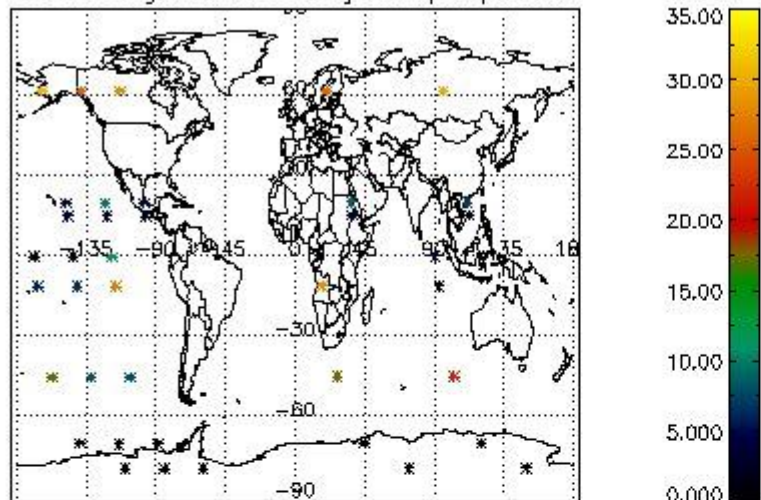
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



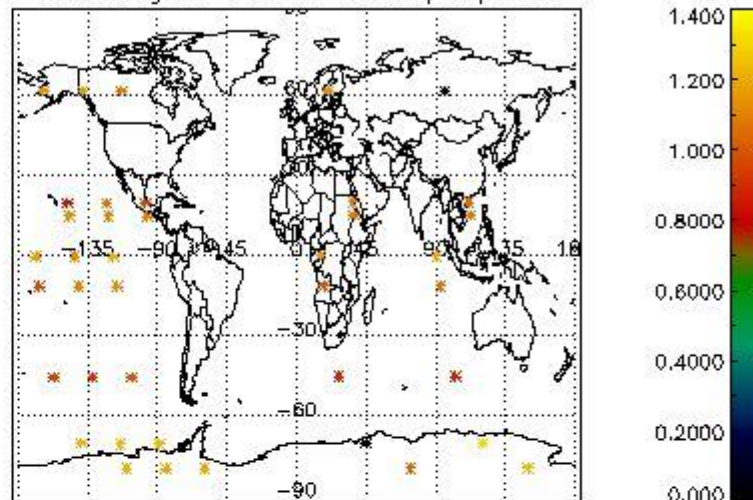
4.2 Plot quality information per product coming from level 1b processing (world map)

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

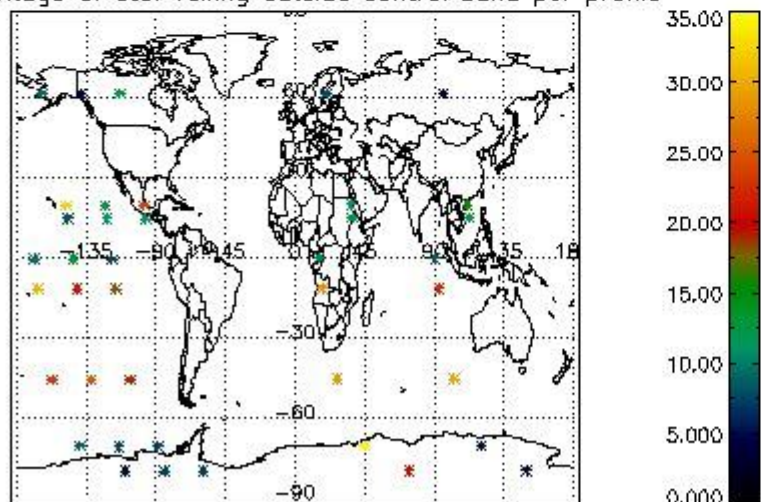
Percentage of cosmic ray hits per profile



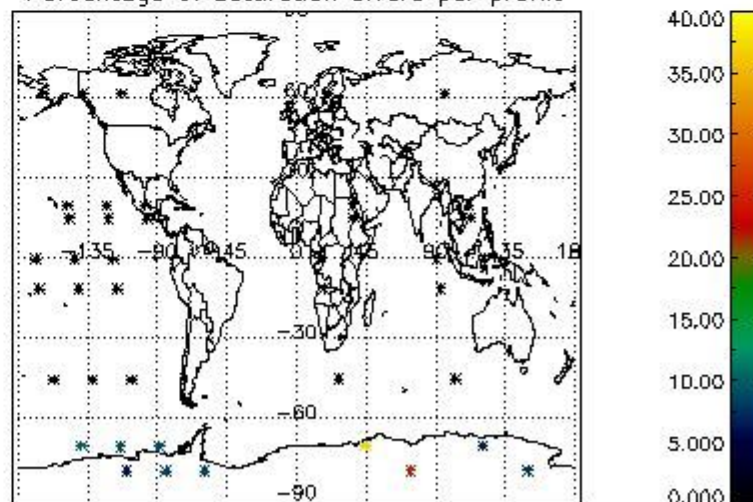
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

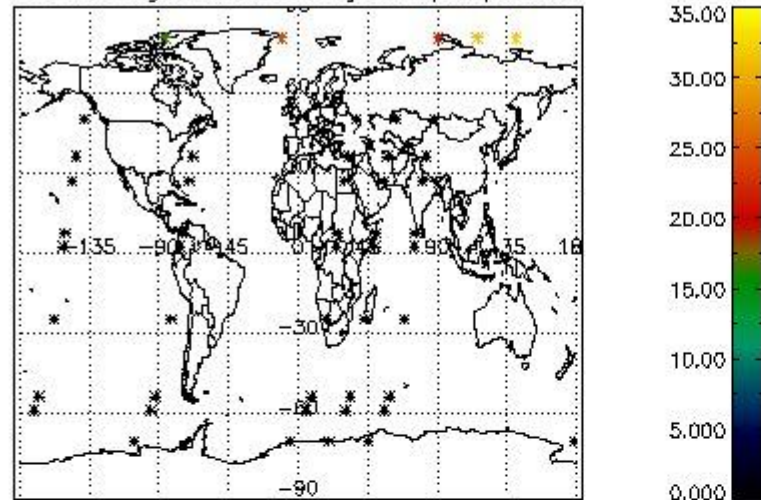


Percentage of saturation errors per profile

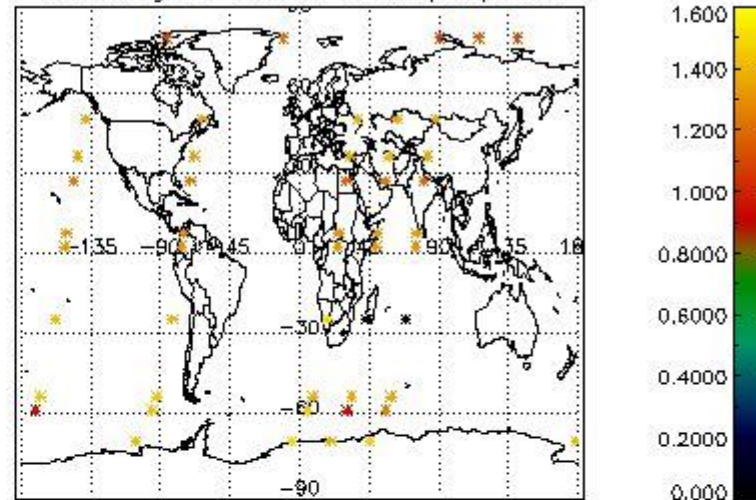


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

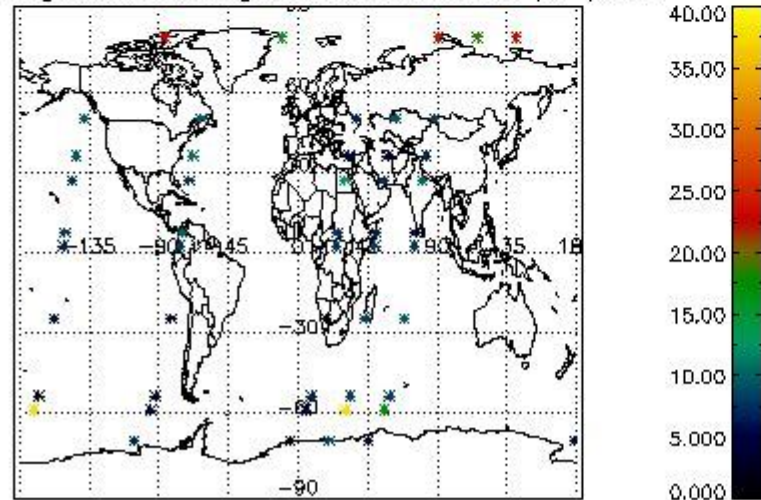
Percentage of cosmic ray hits per profile



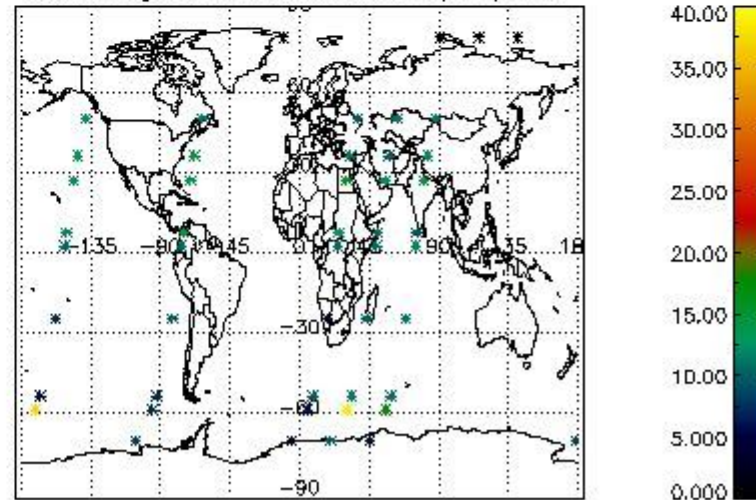
Percentage of datation errors per profile



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

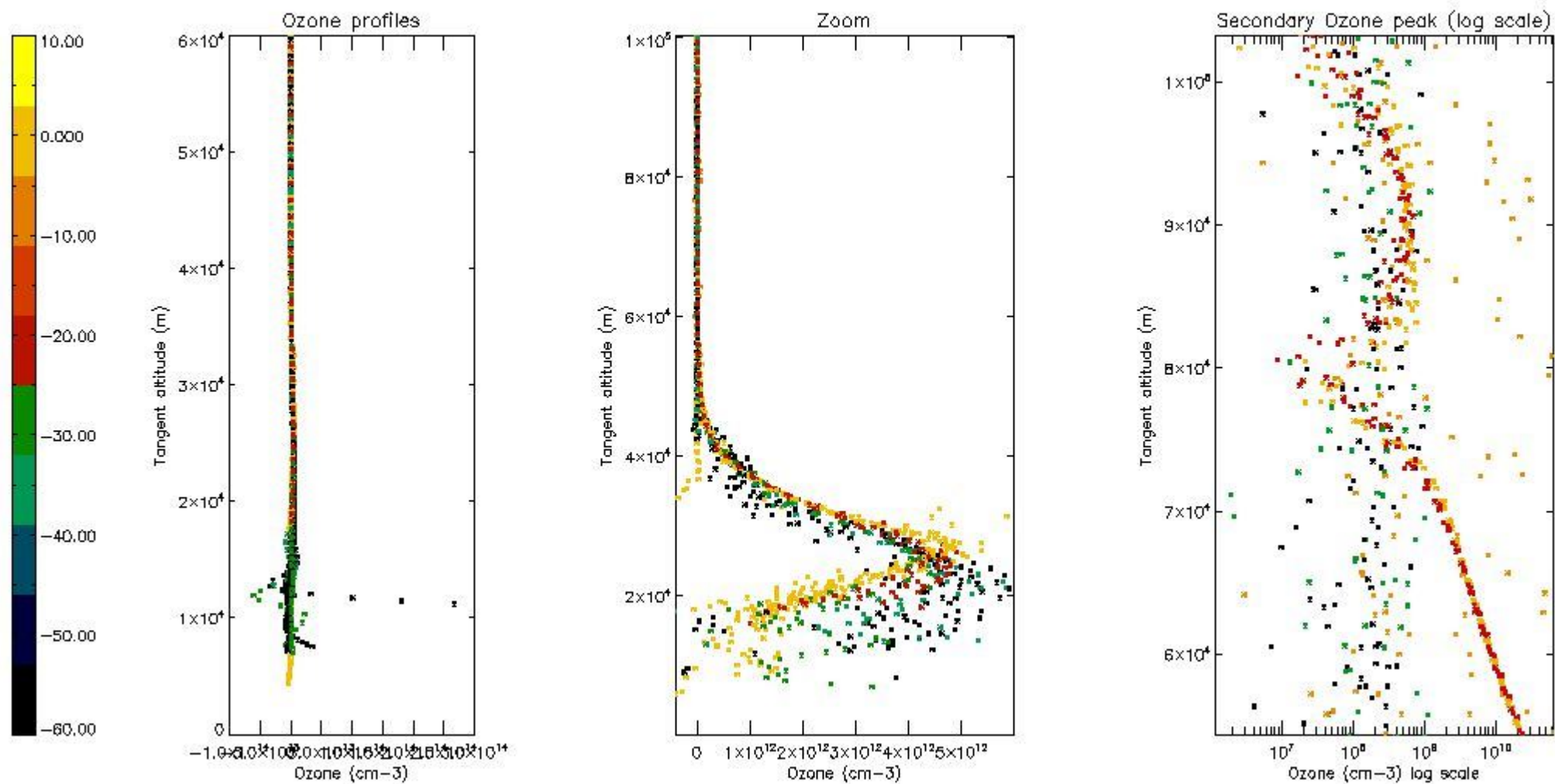
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	33
STD < 20	15

STD < 10	11
STD < 5	8

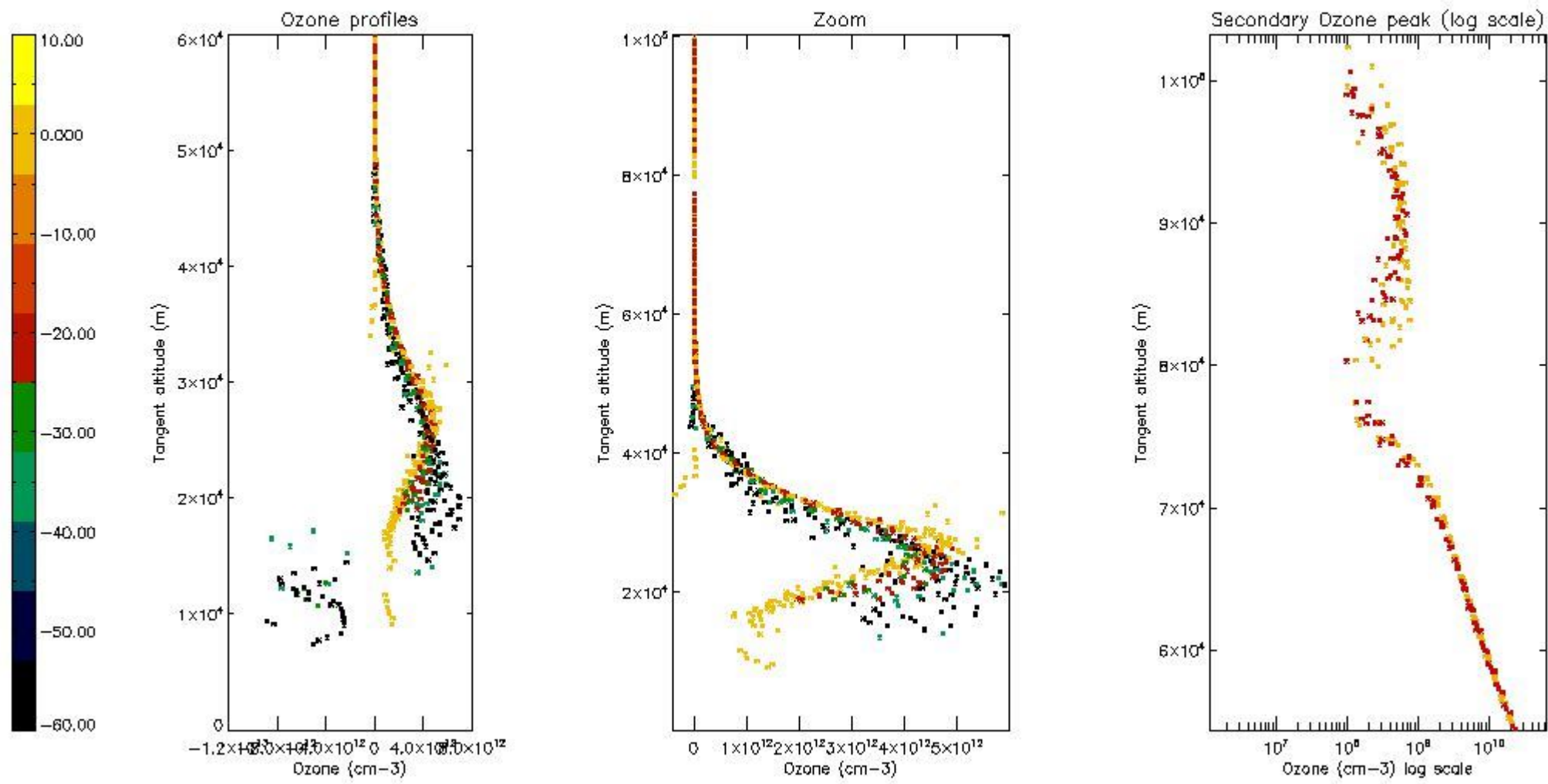
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



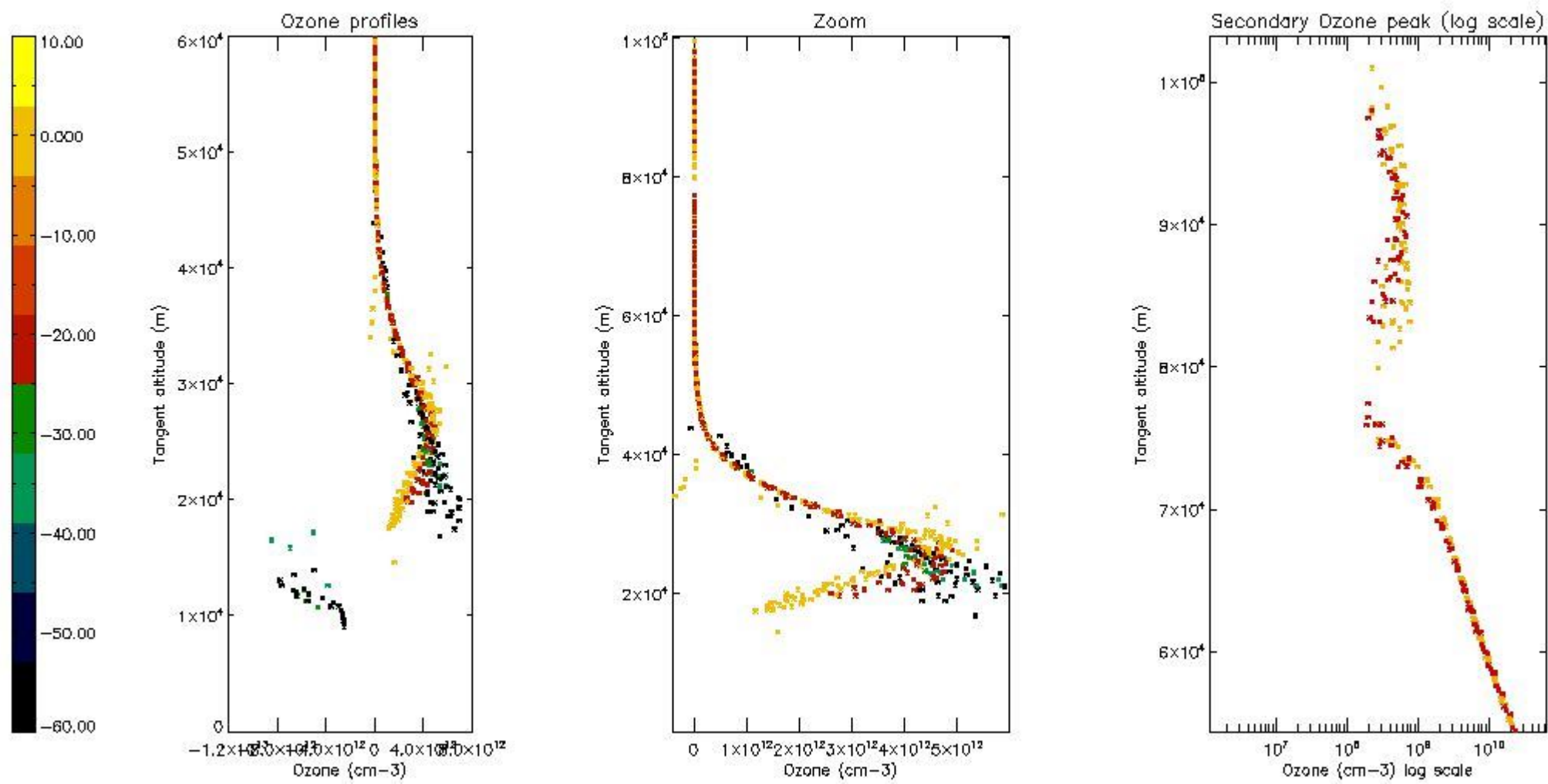
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



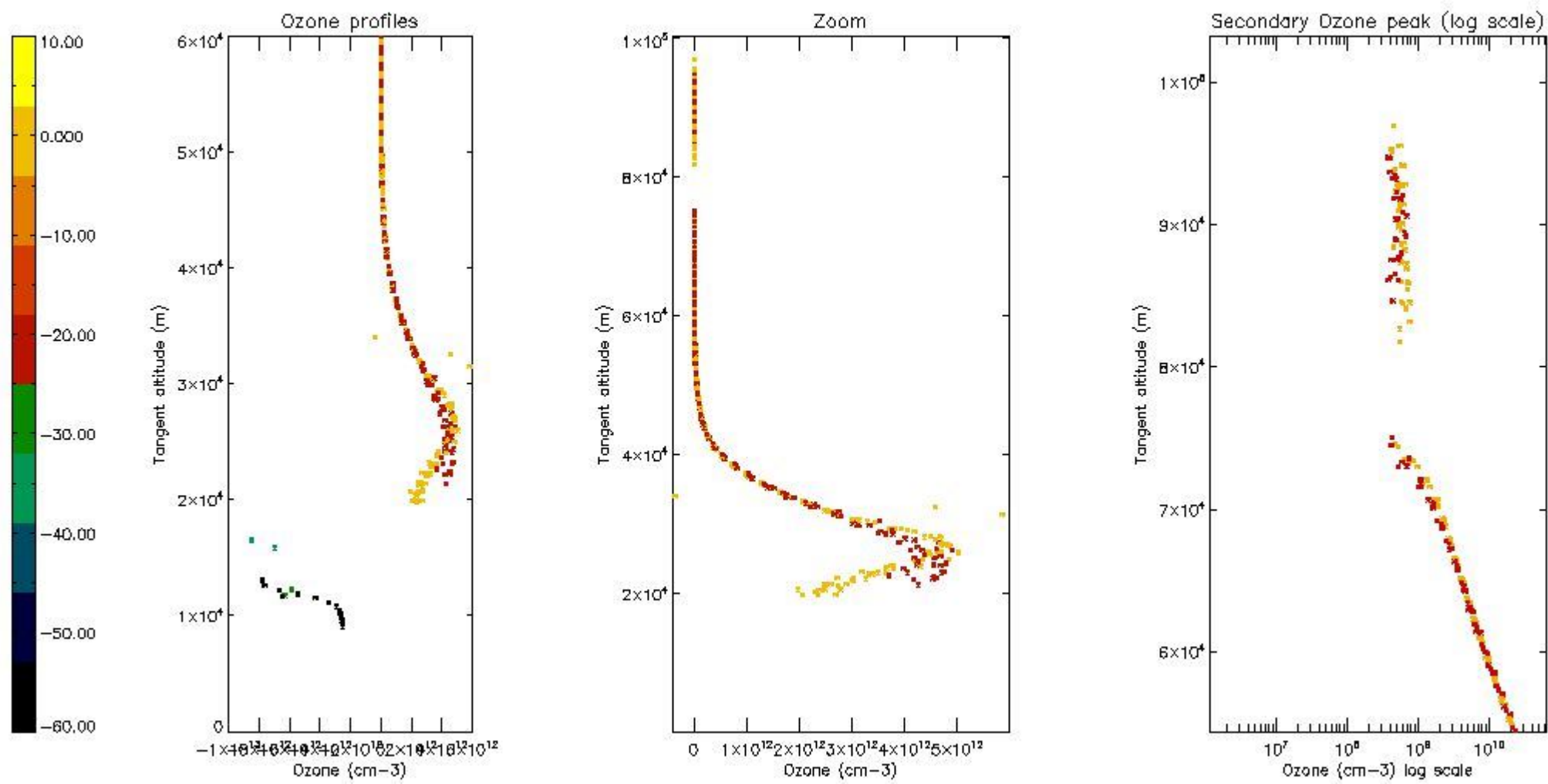
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



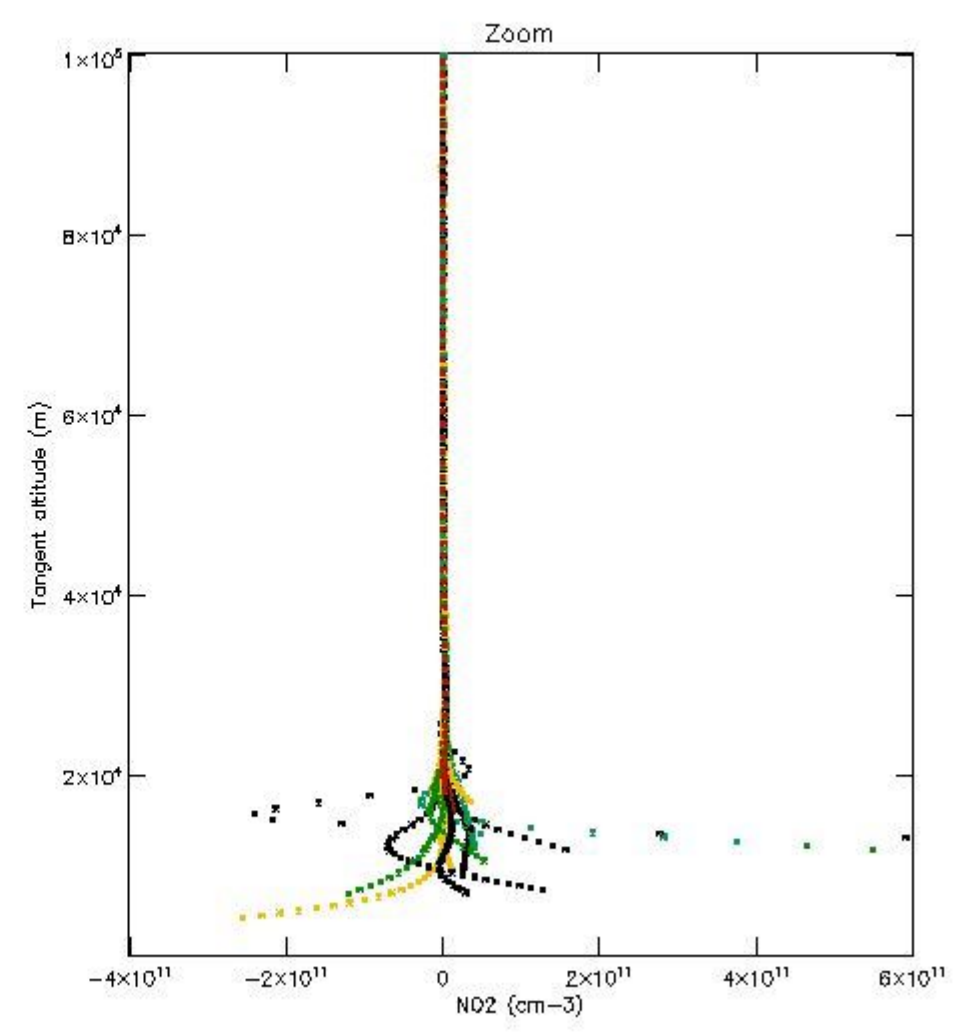
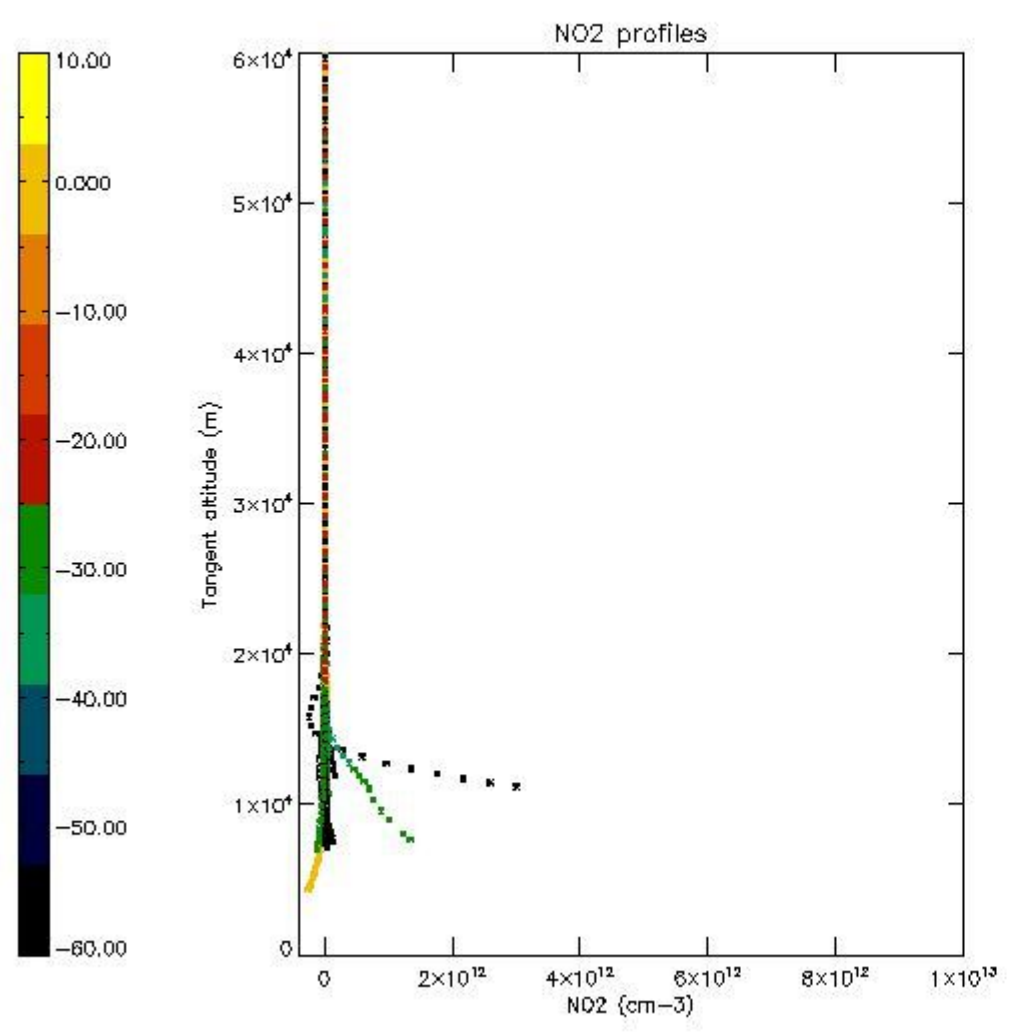
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



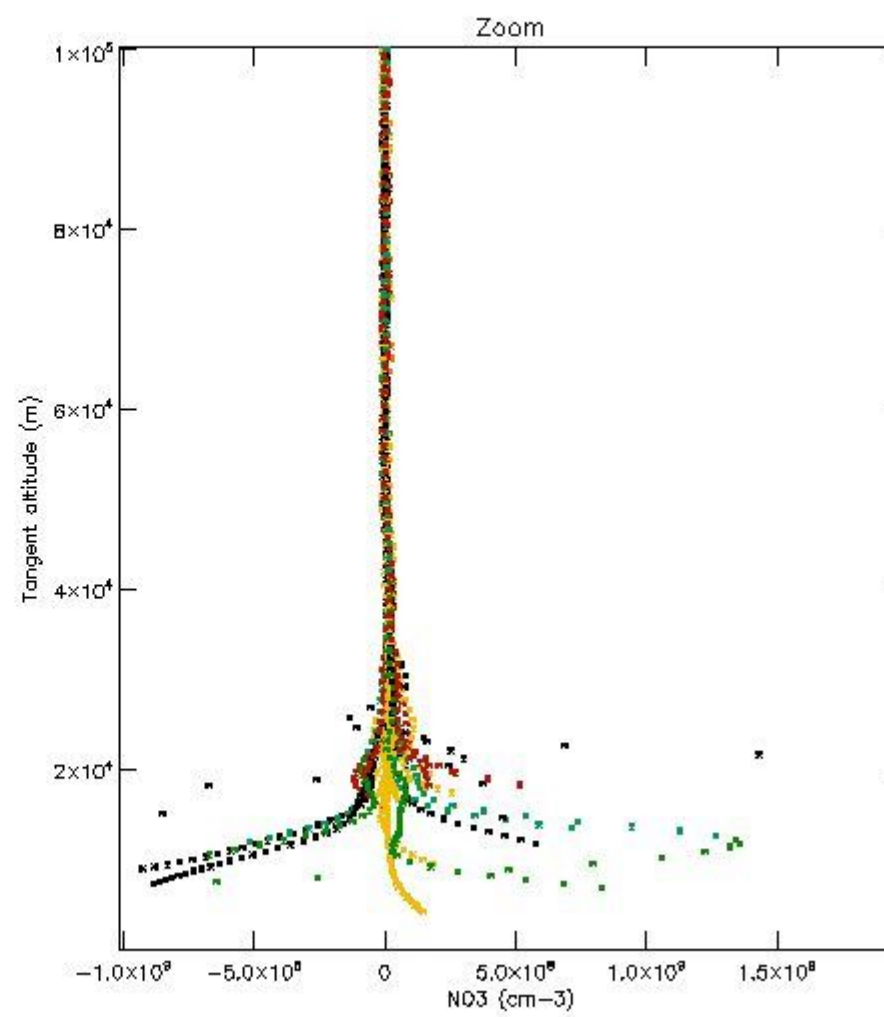
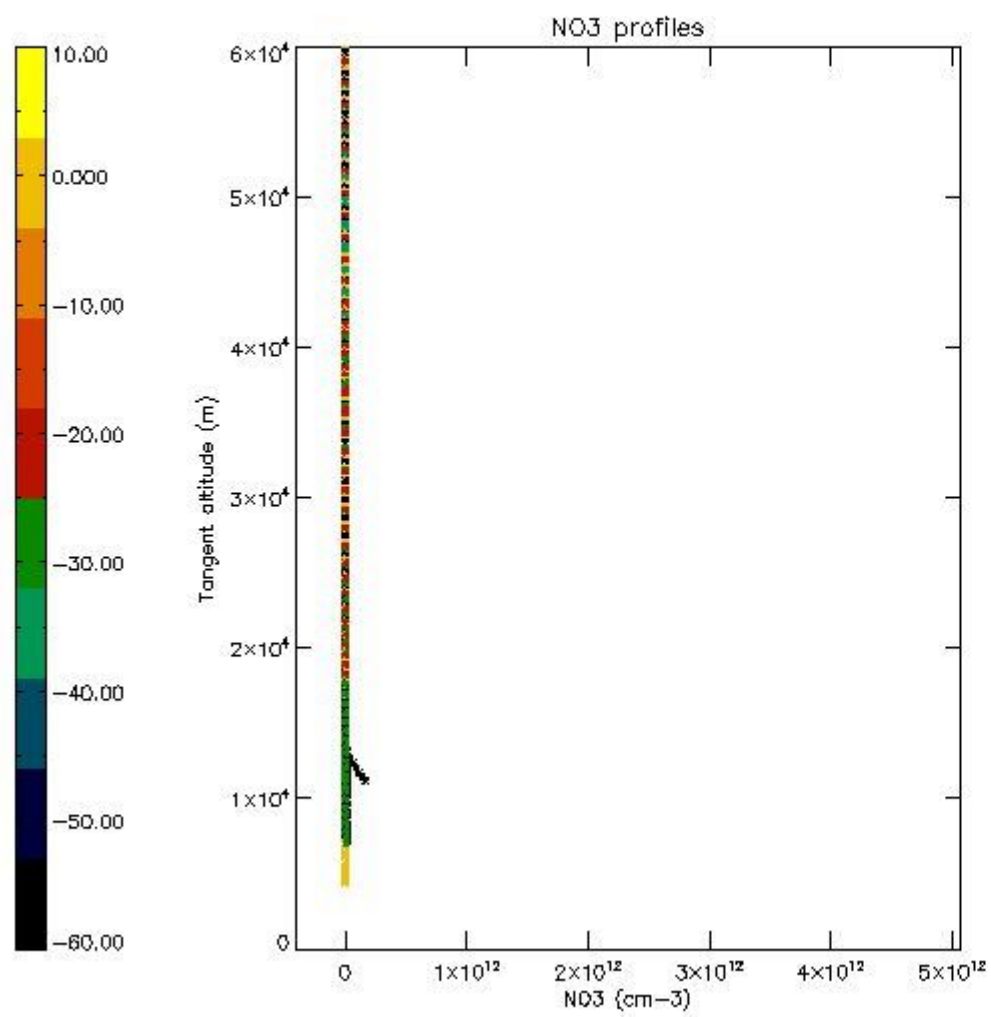
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



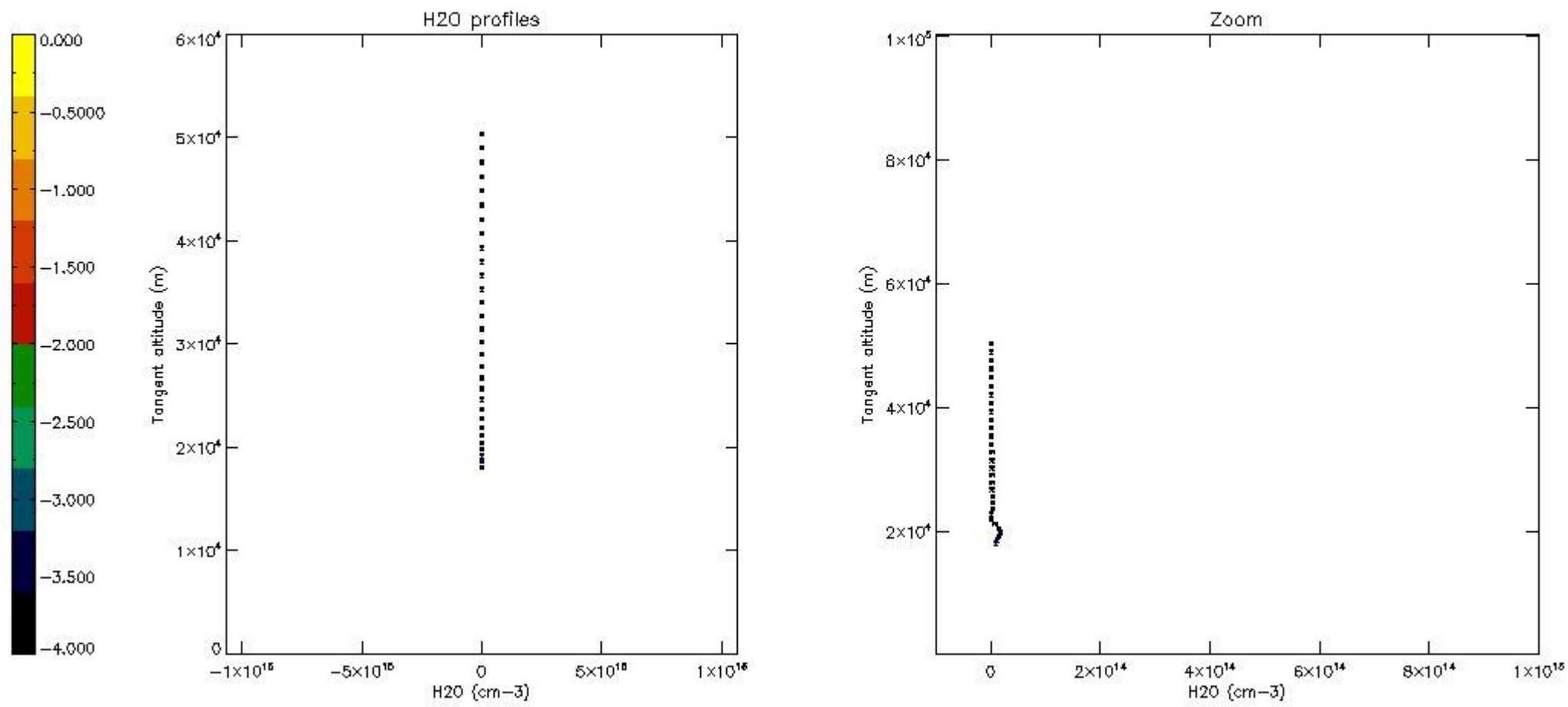
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

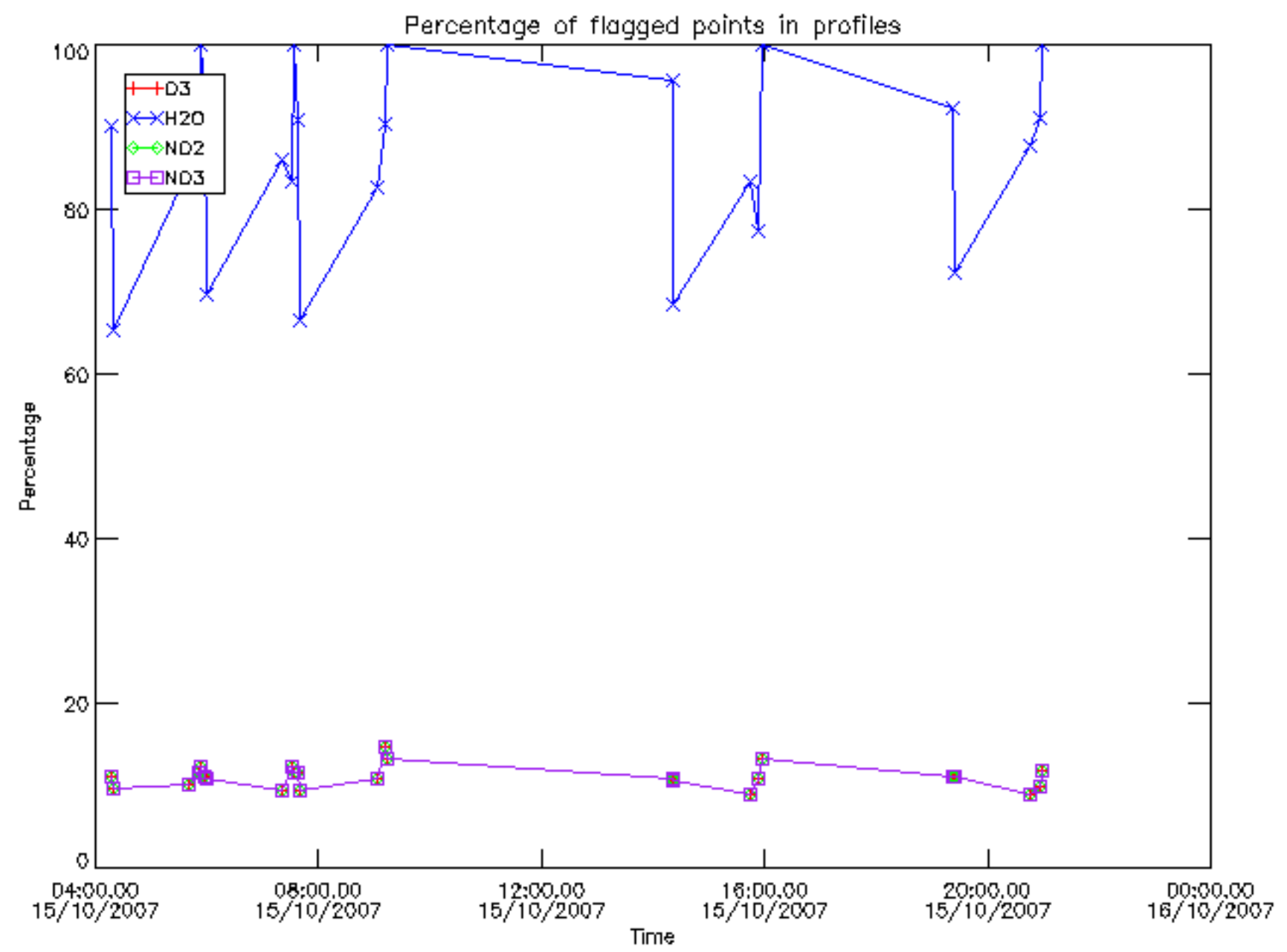
The colorbar represents the latitude.



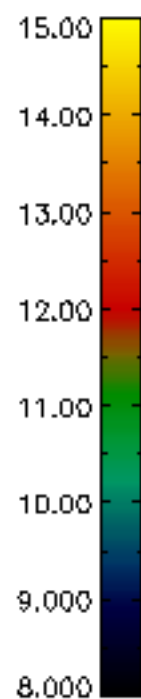
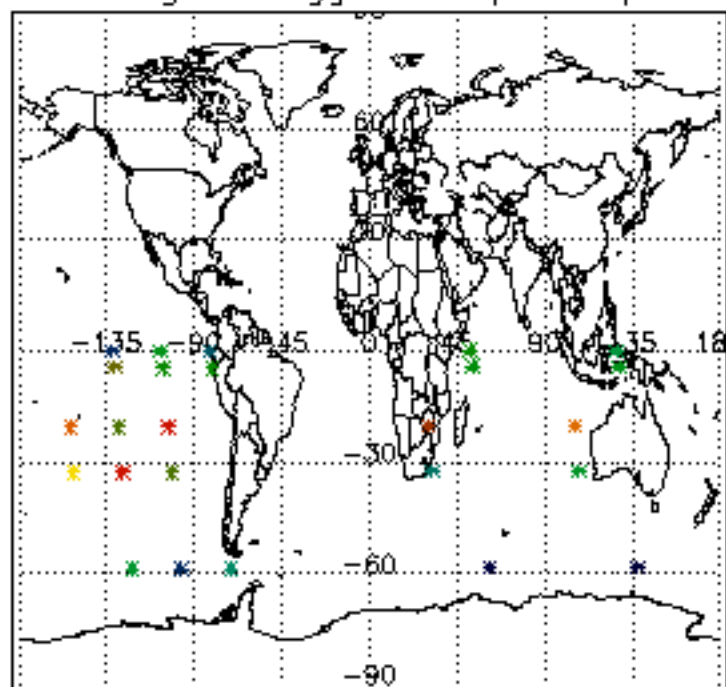
6. Auxiliary Data Files used for the production reported in section 2

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.

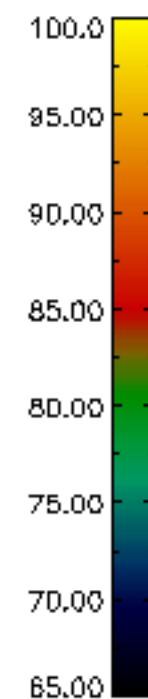
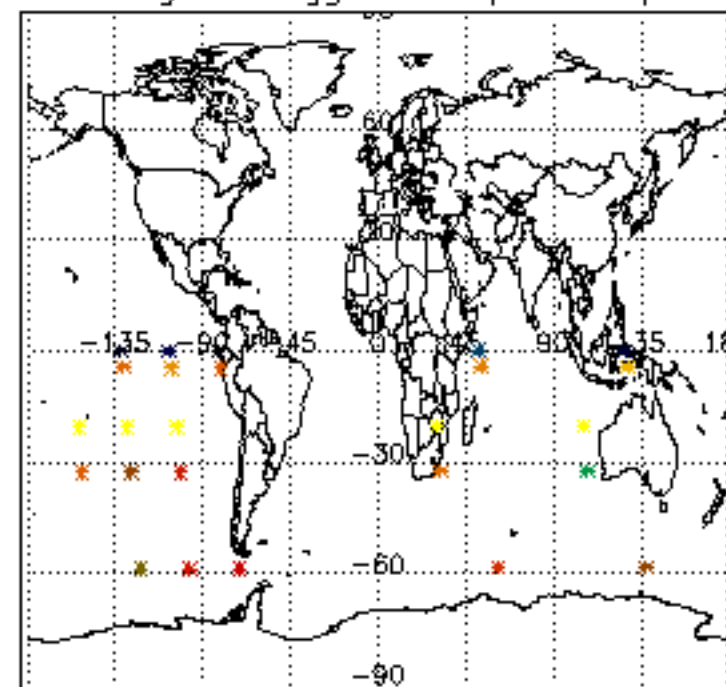
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	15-OCT-2007 04:17:16
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	15-OCT-2007 04:17:16
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	15-OCT-2007 04:17:16



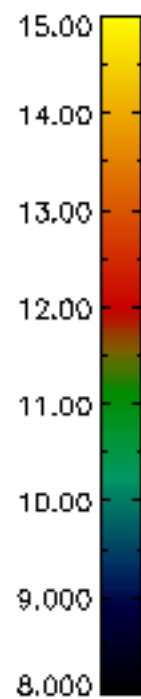
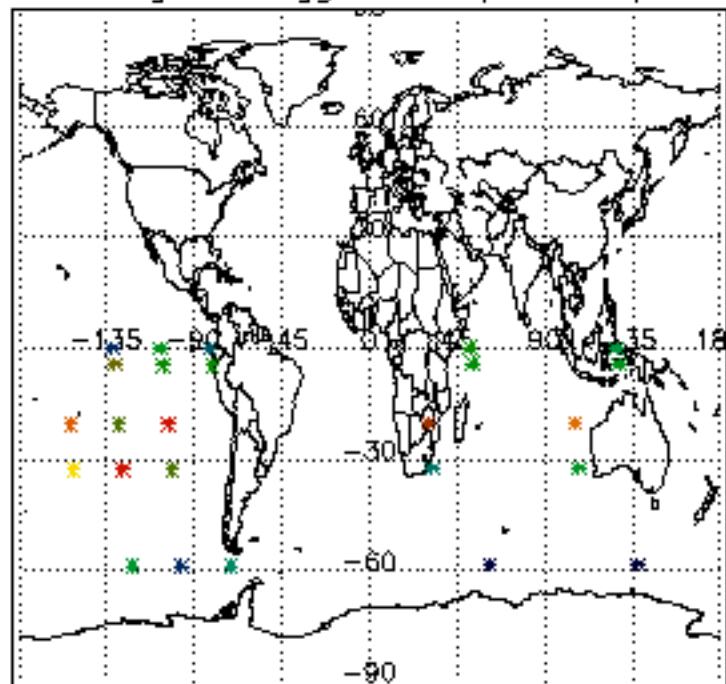
Percentage of flagged data per D3 profile



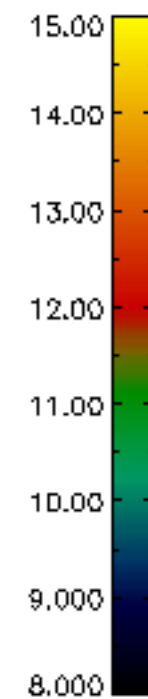
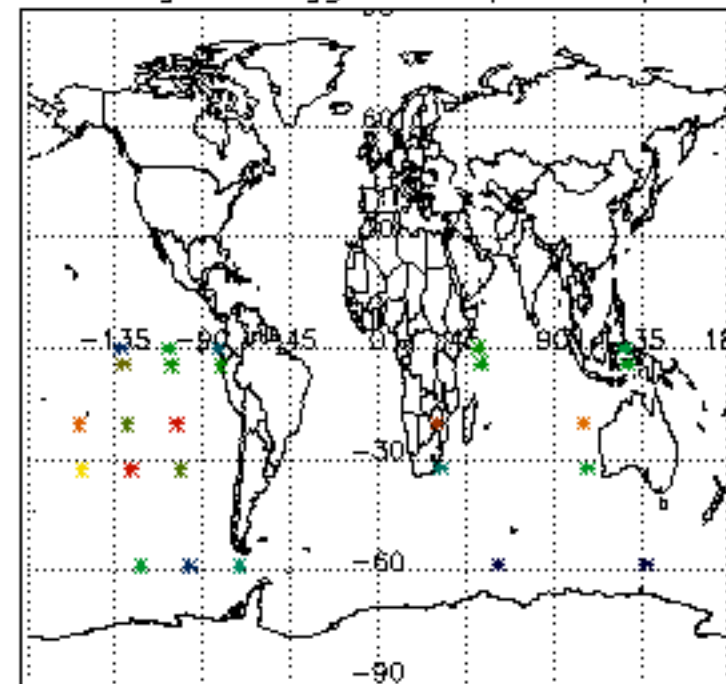
Percentage of flagged data per H2O profile

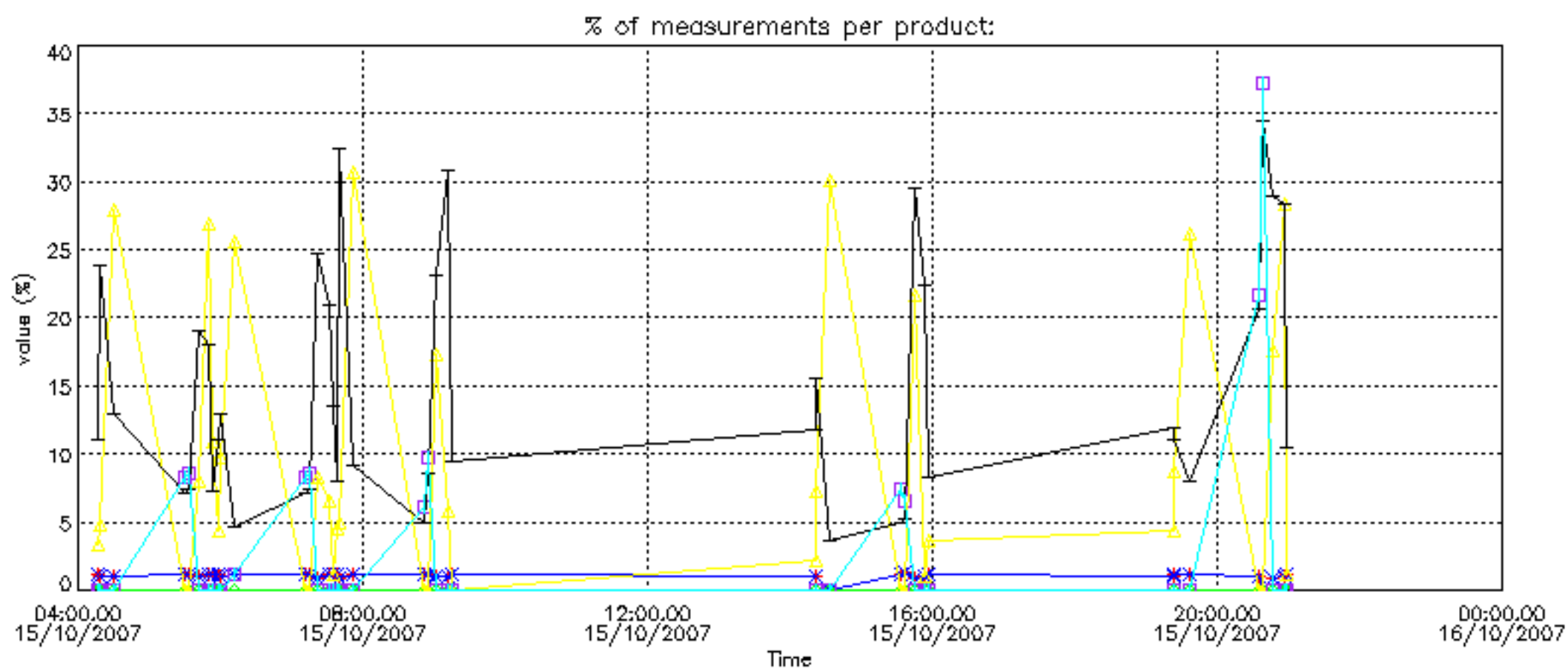


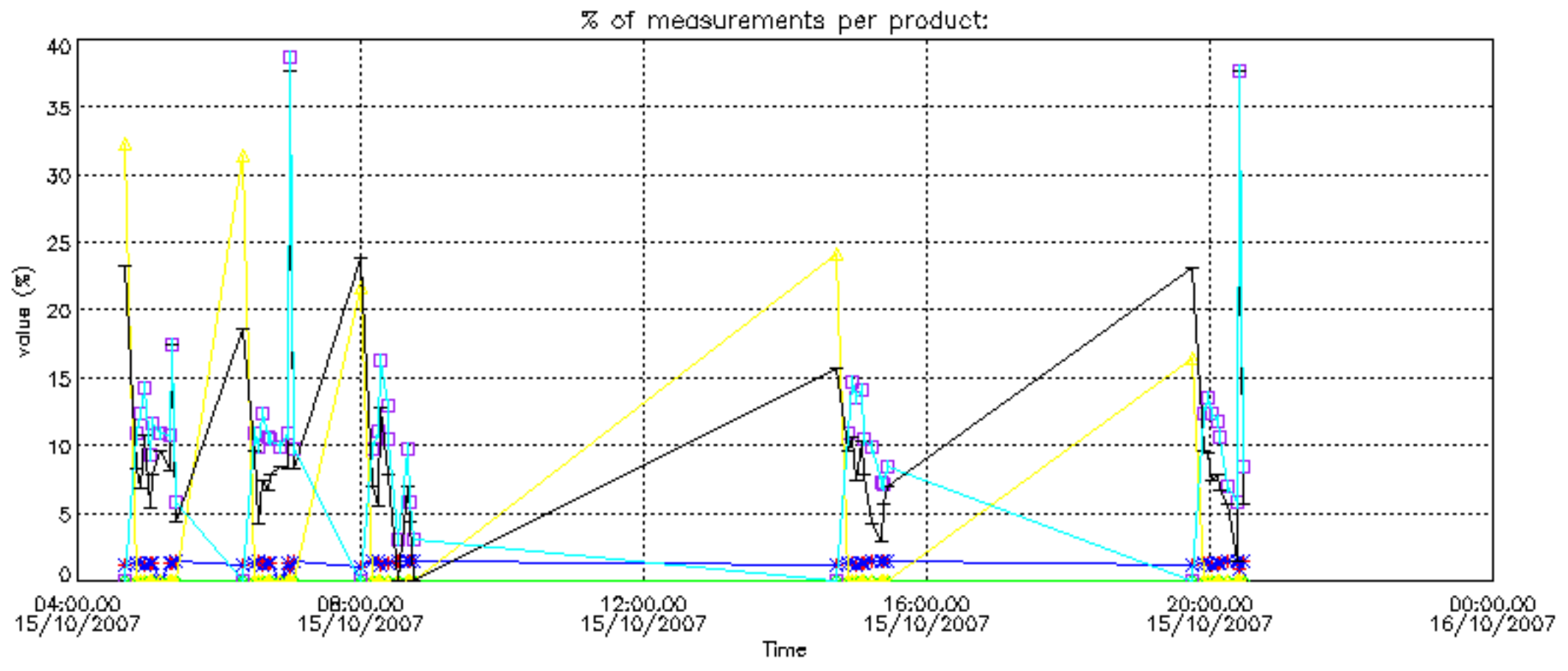
Percentage of flagged data per NO2 profile



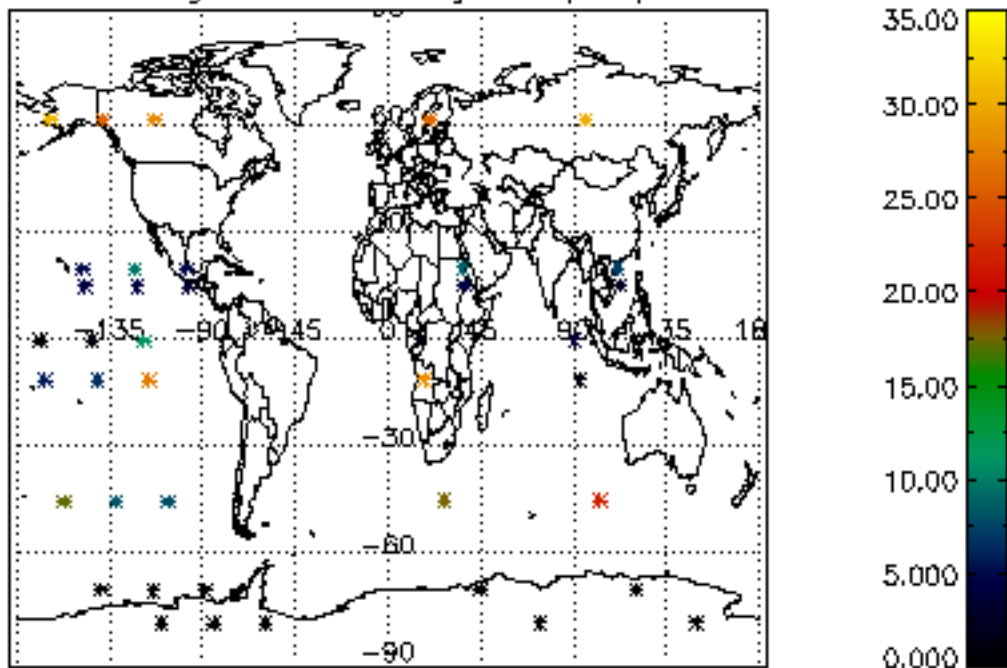
Percentage of flagged data per NO3 profile



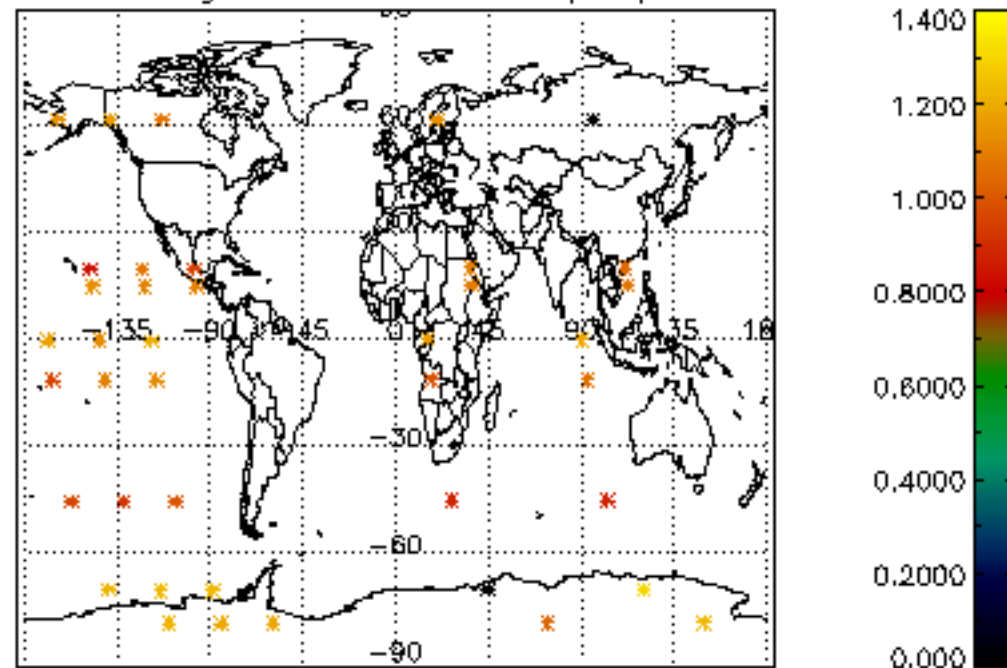




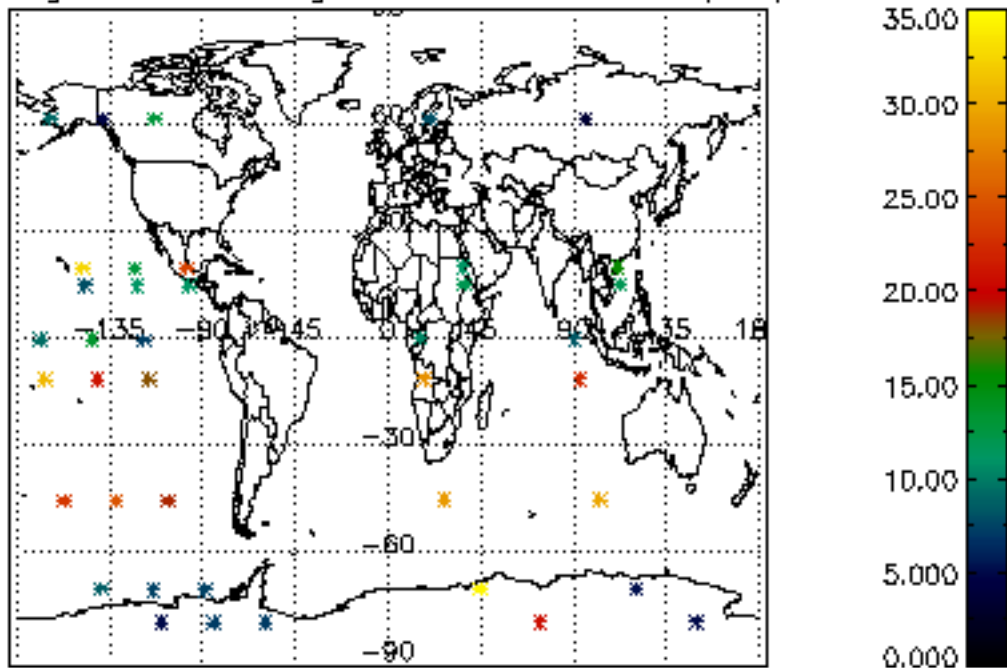
Percentage of cosmic ray hits per profile



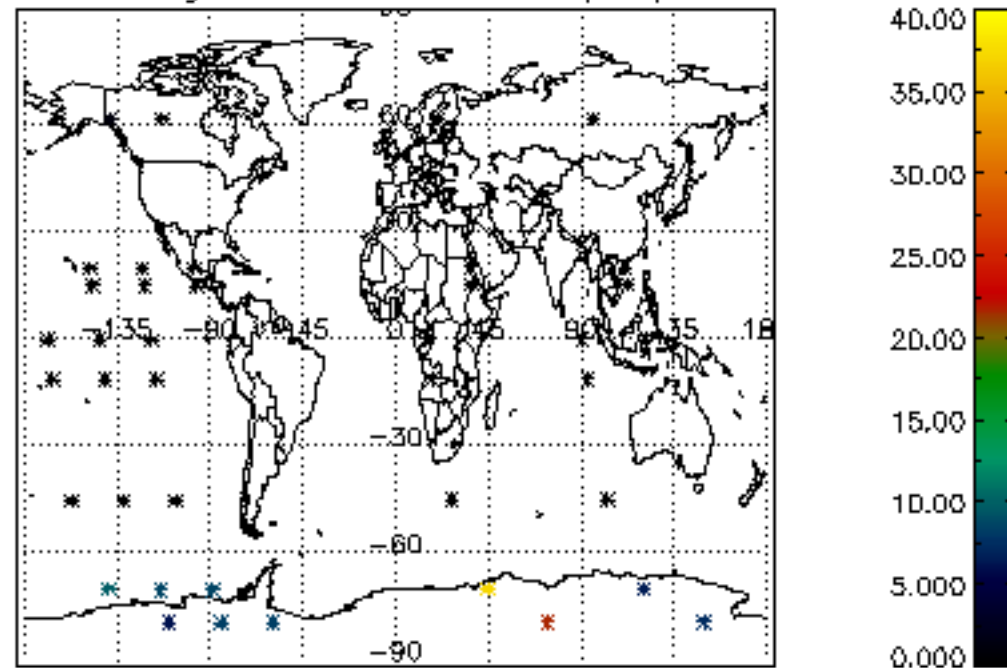
Percentage of datation errors per profile



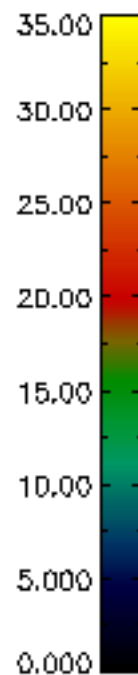
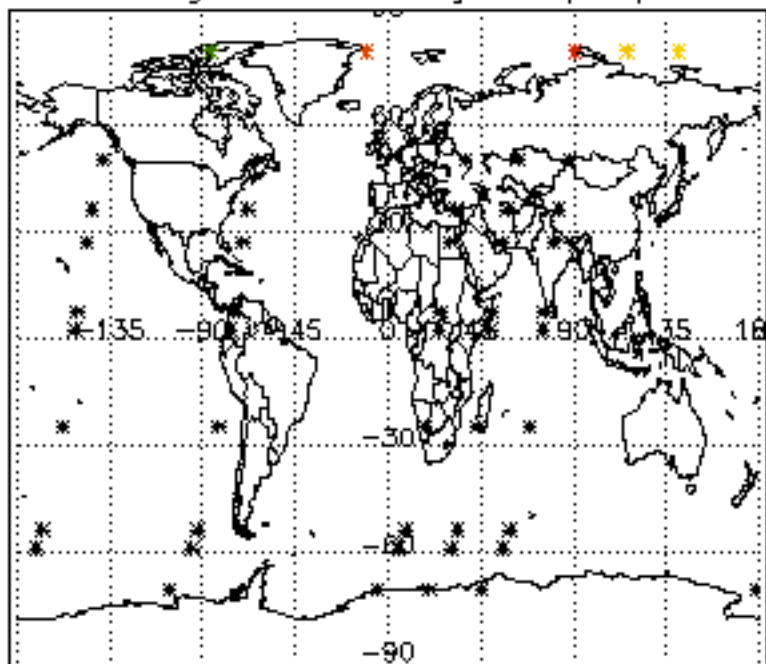
Percentage of star falling outside central band per profile



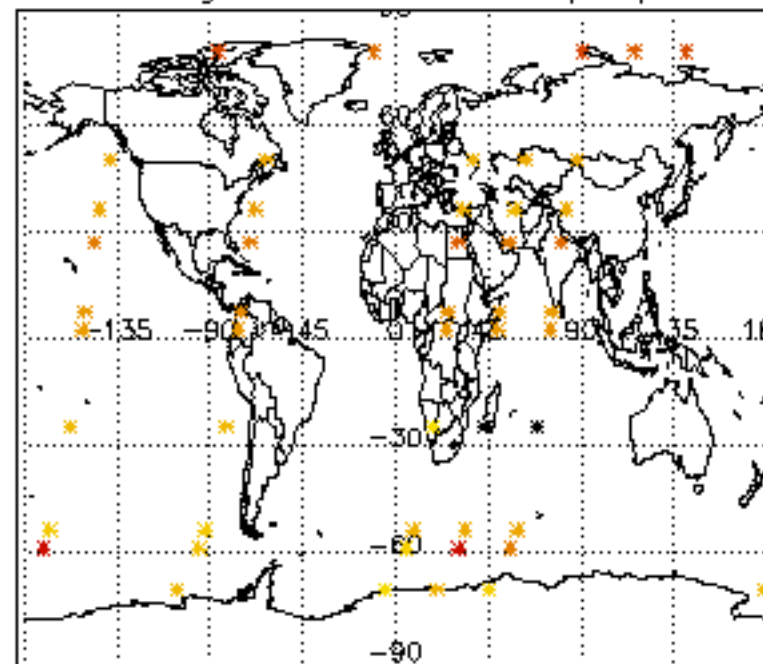
Percentage of saturation errors per profile



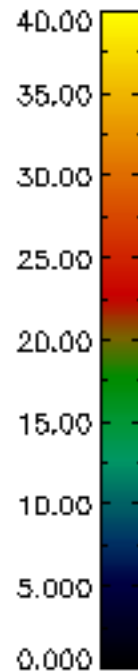
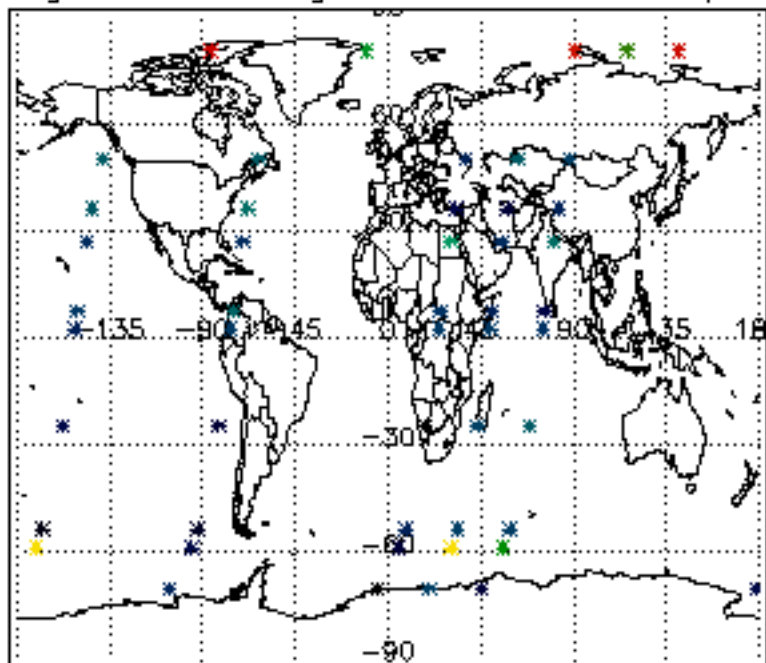
Percentage of cosmic ray hits per profile



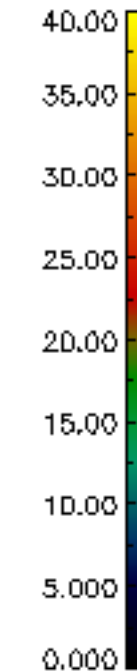
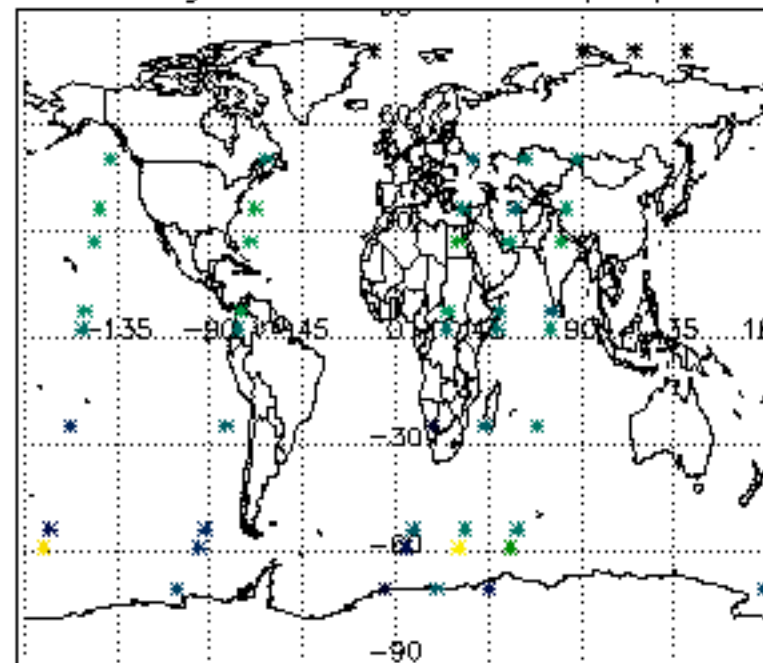
Percentage of datation errors per profile

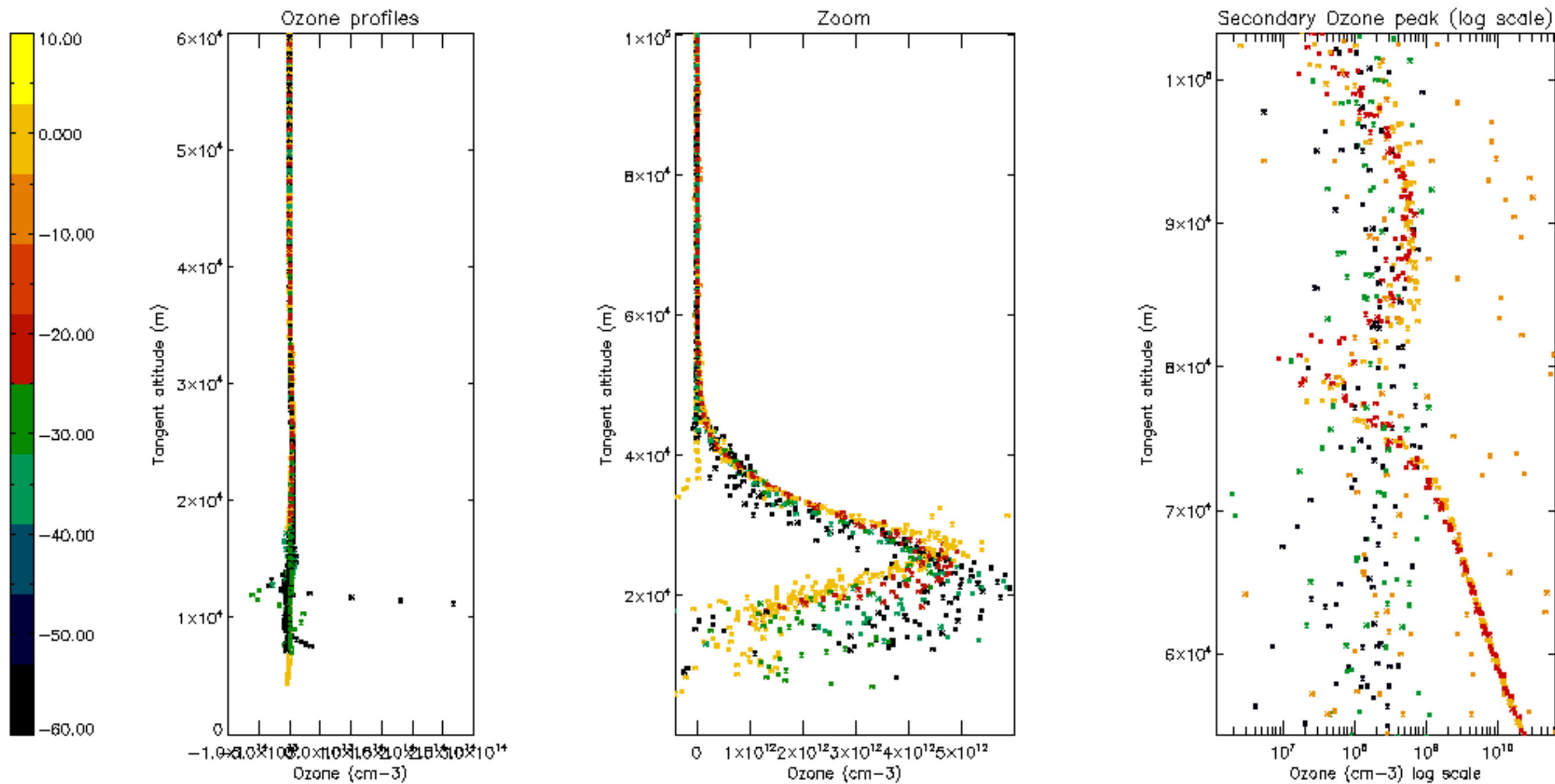


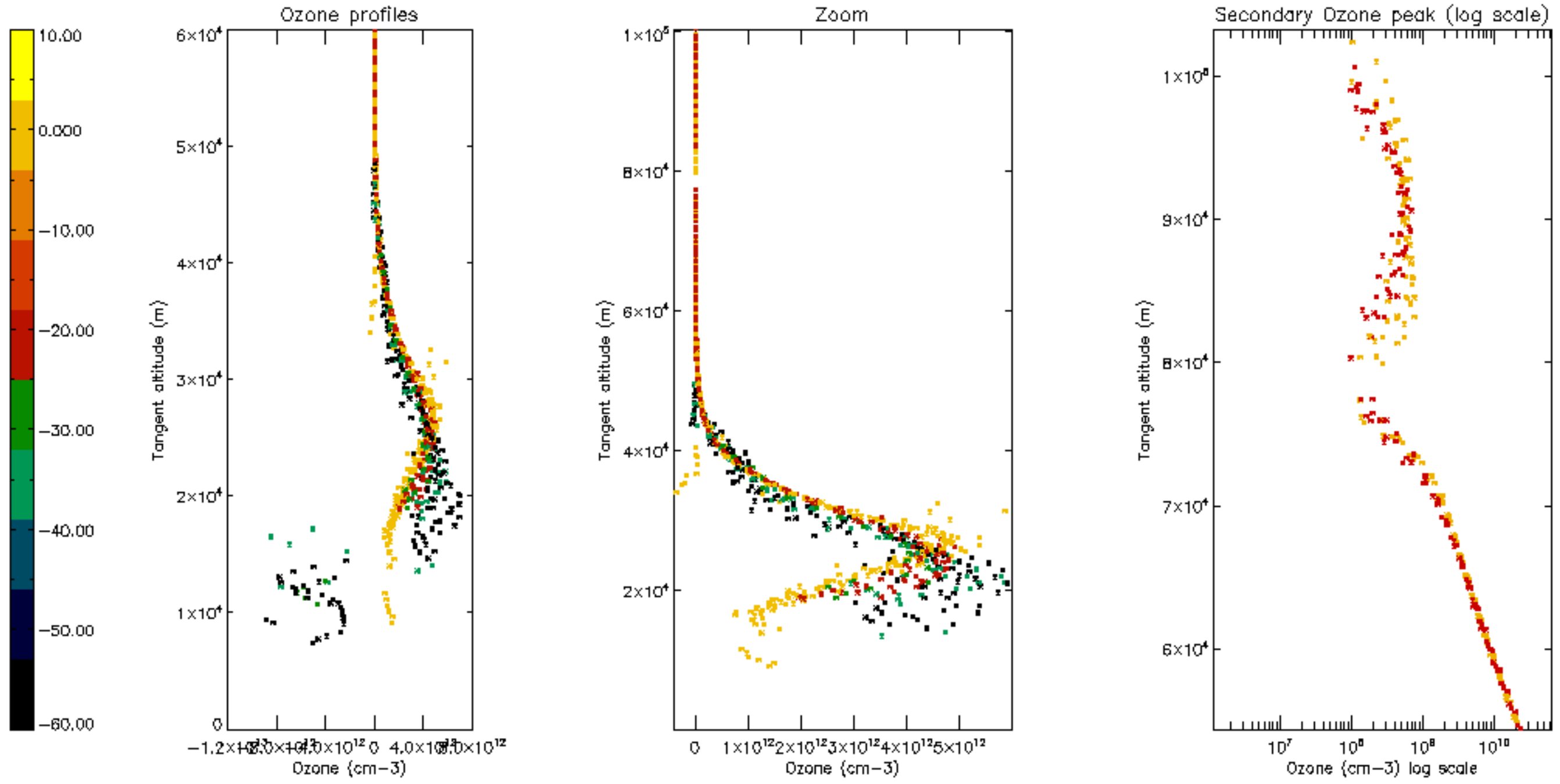
Percentage of star falling outside central band per profile

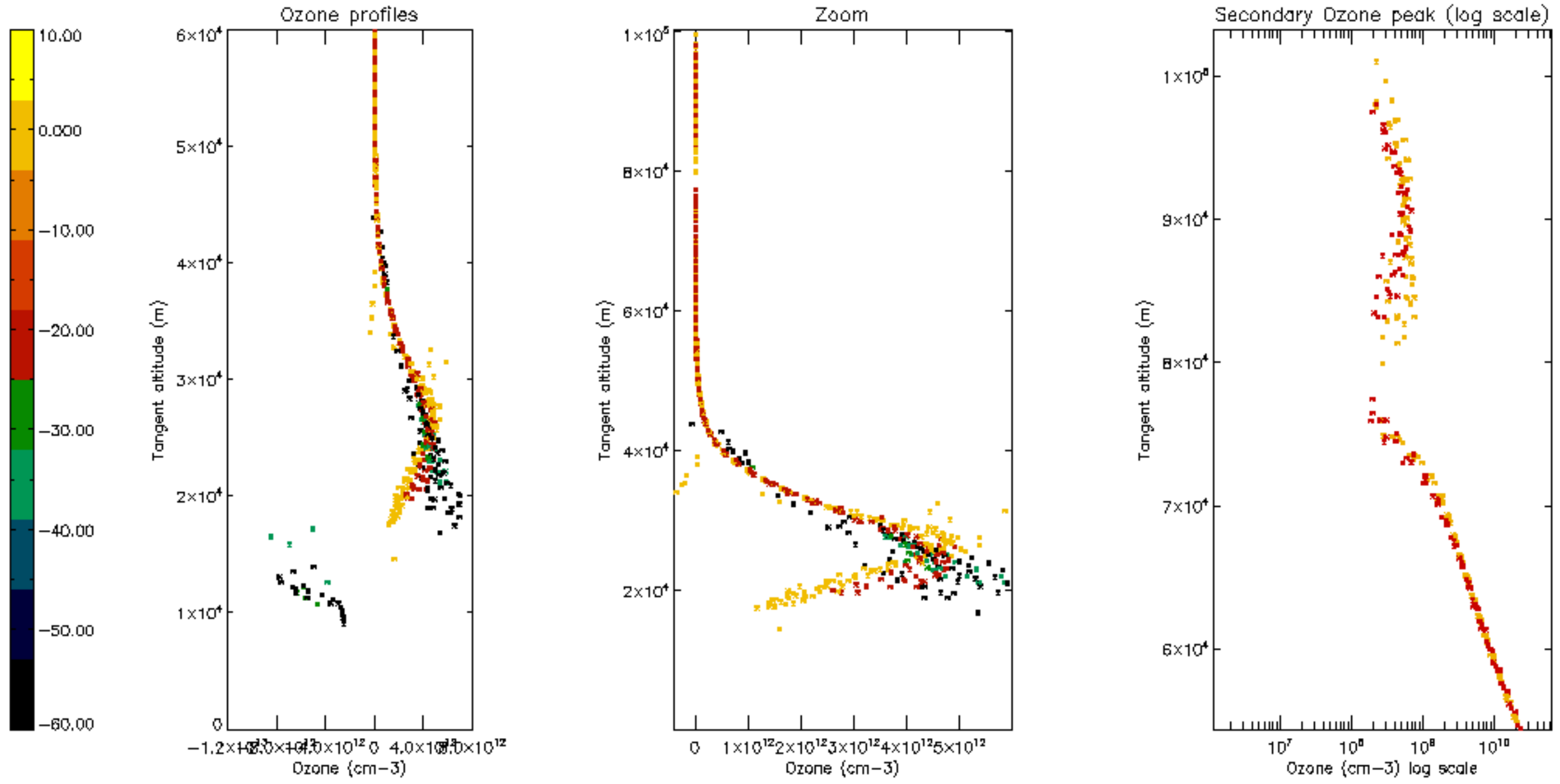


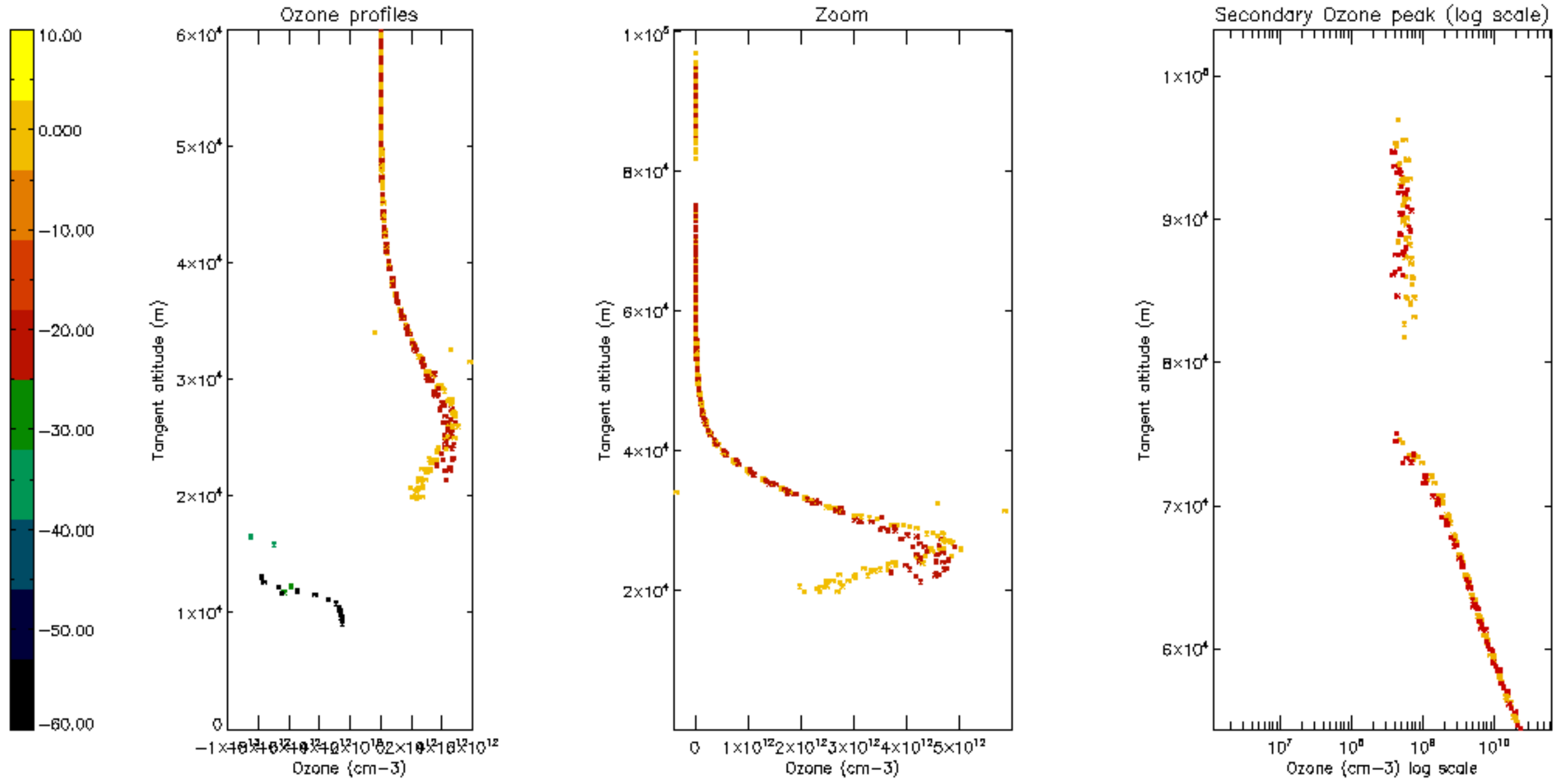
Percentage of saturation errors per profile

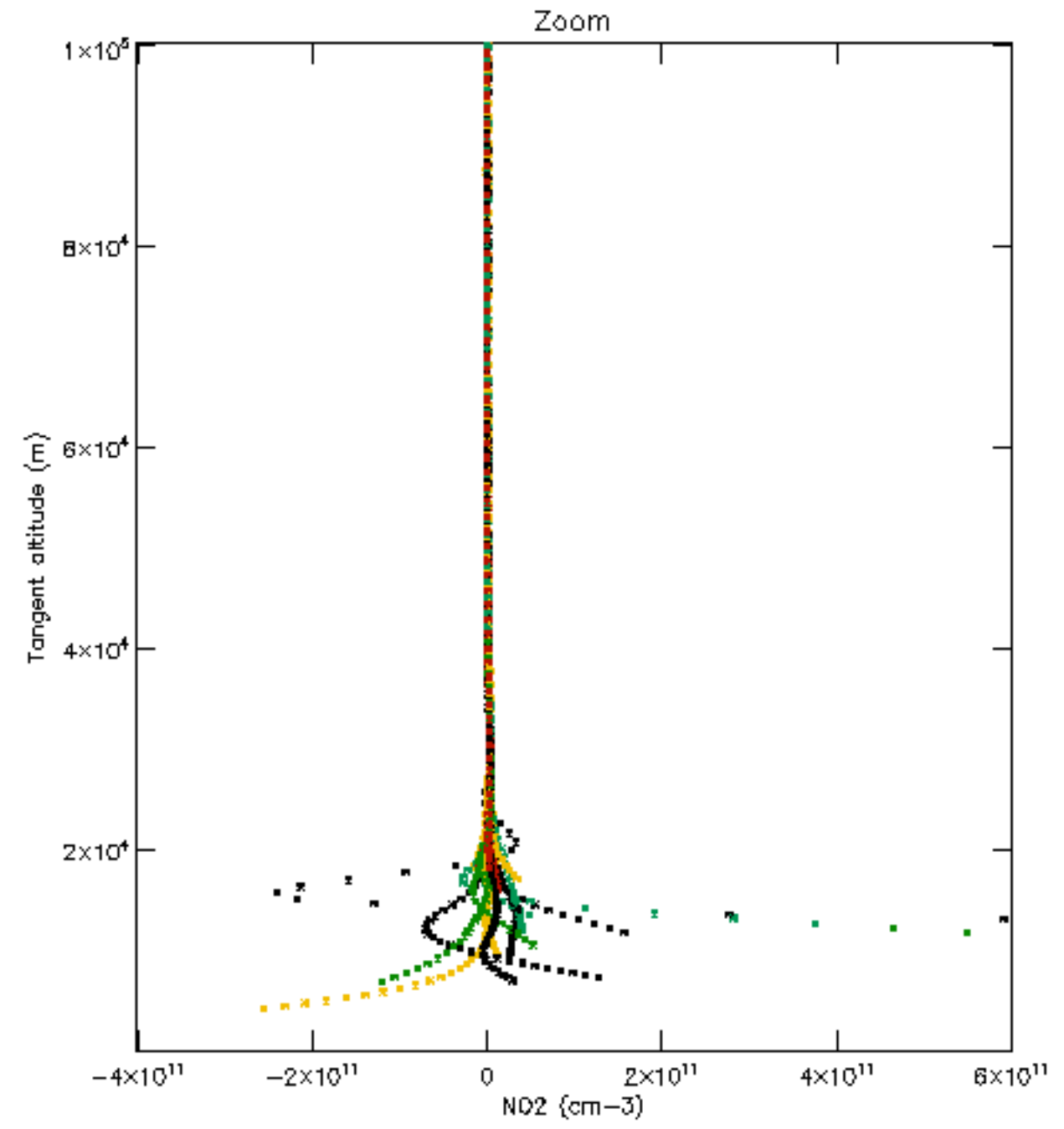
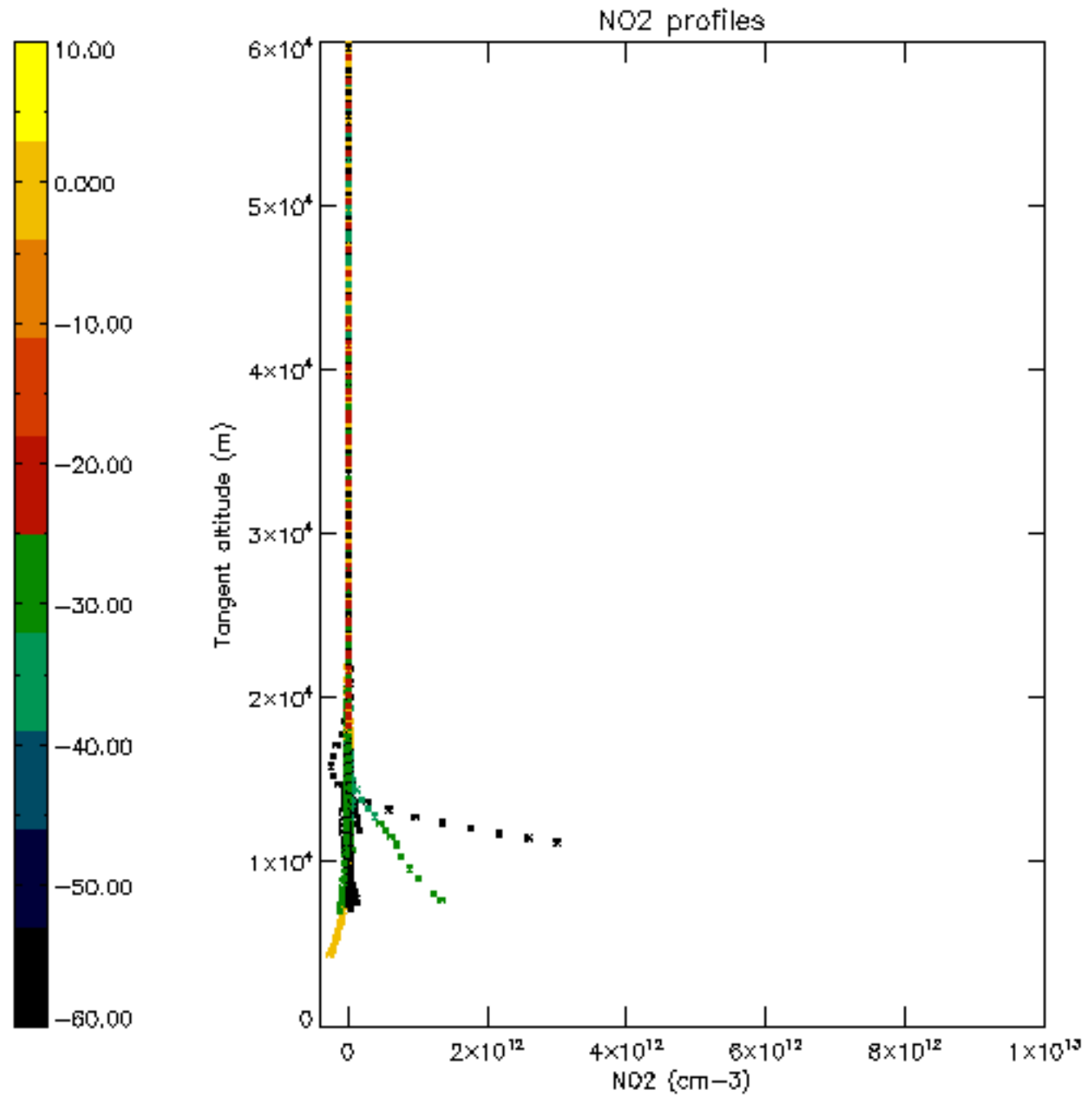


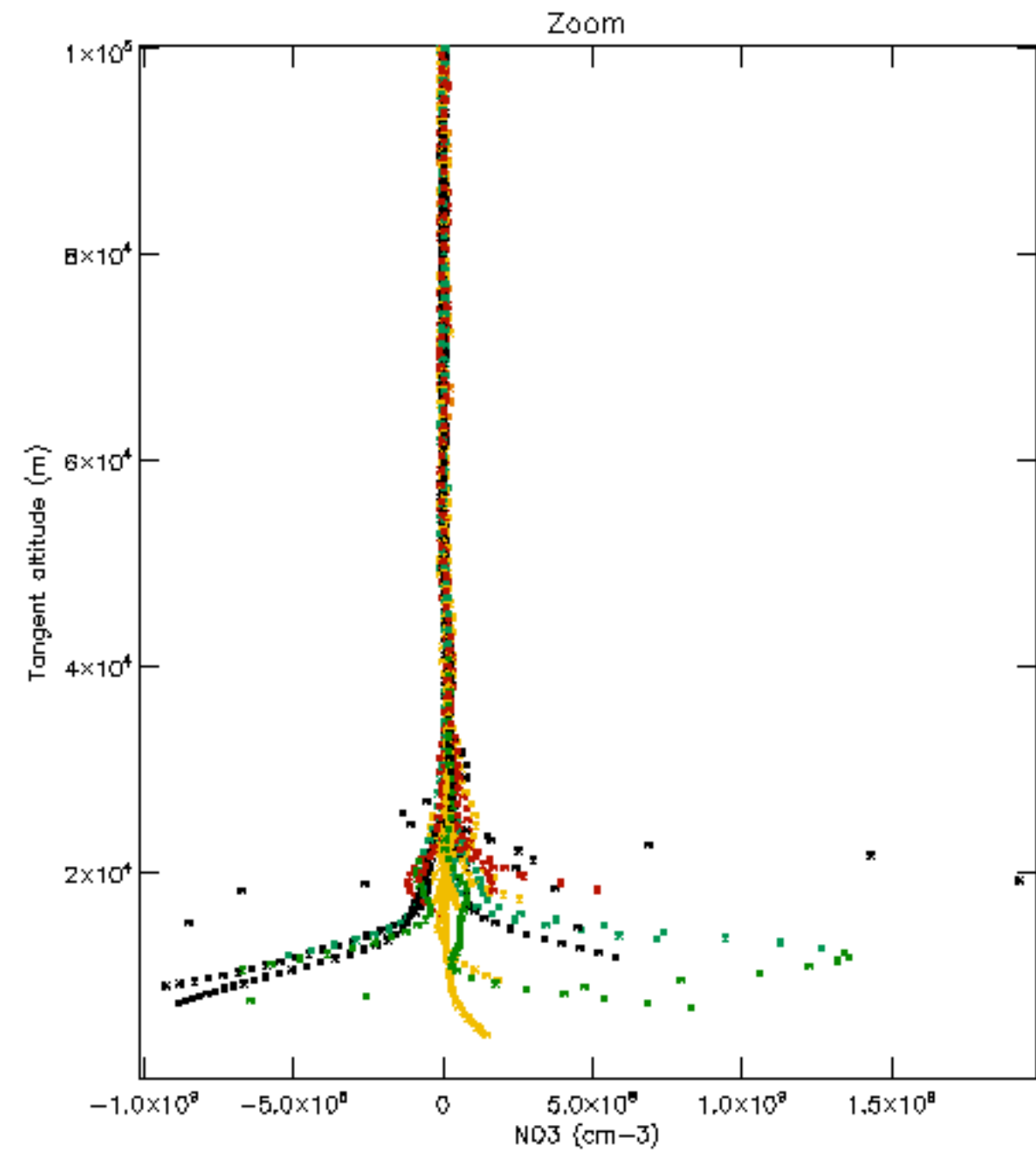
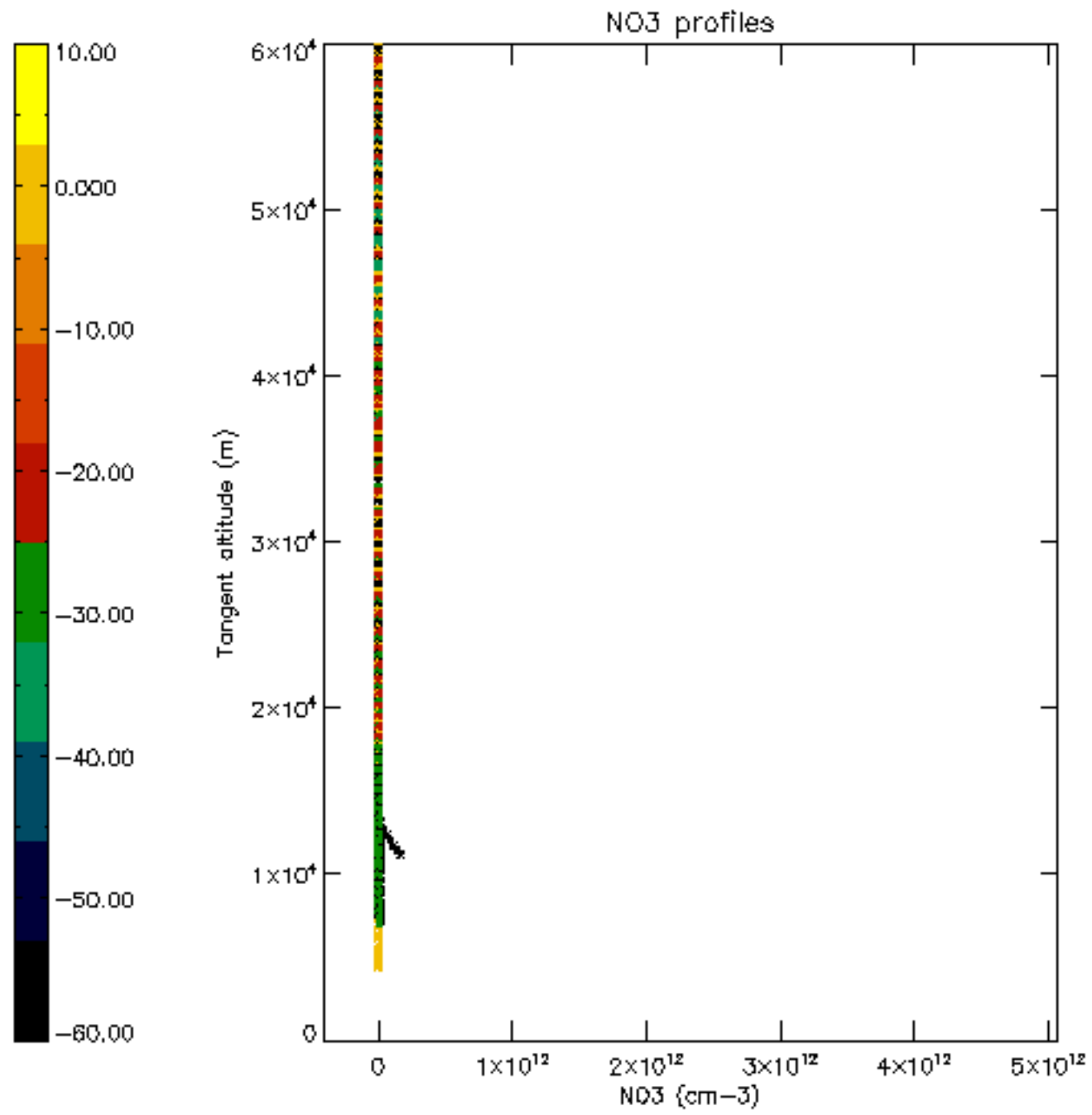


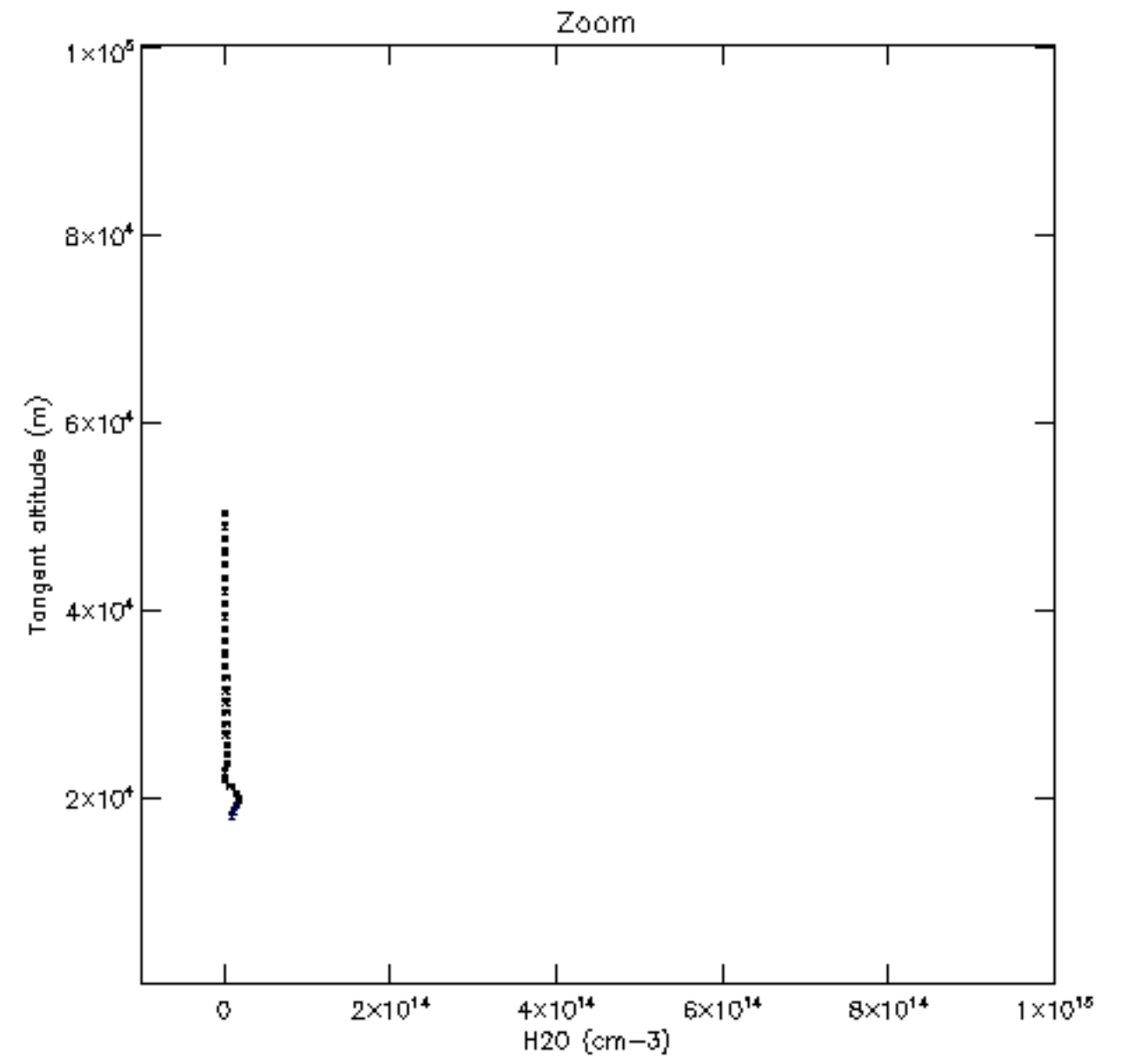
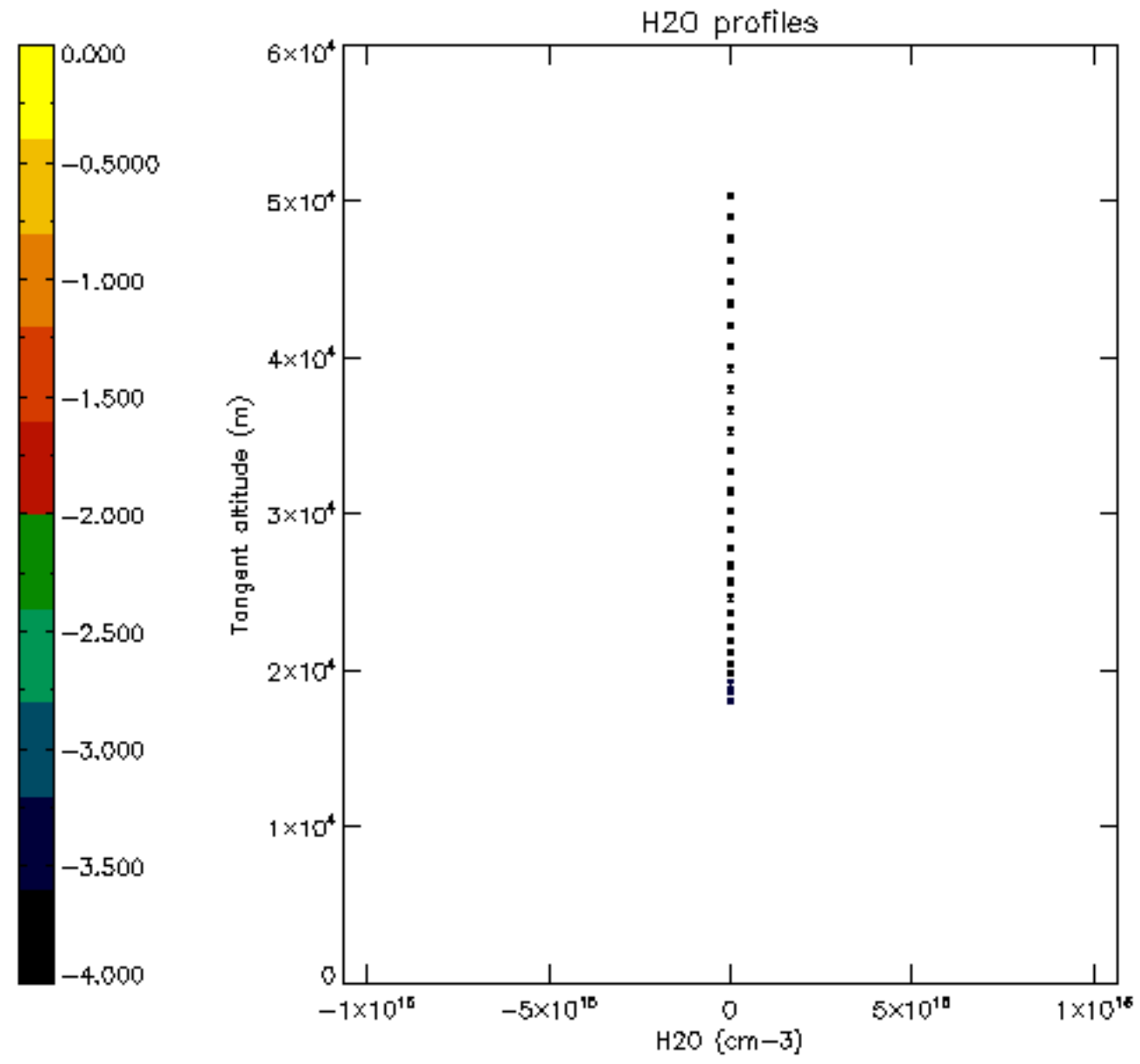


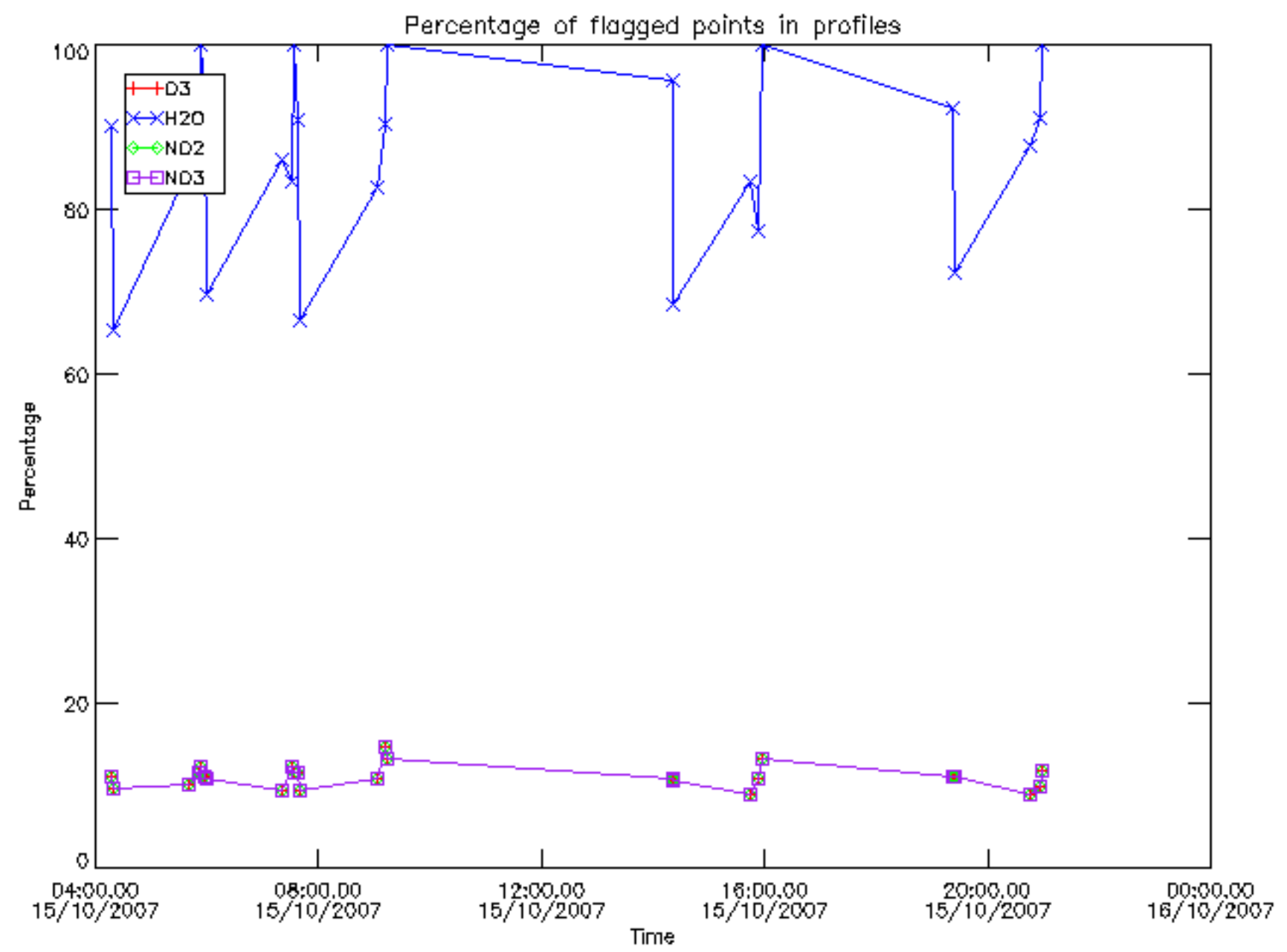




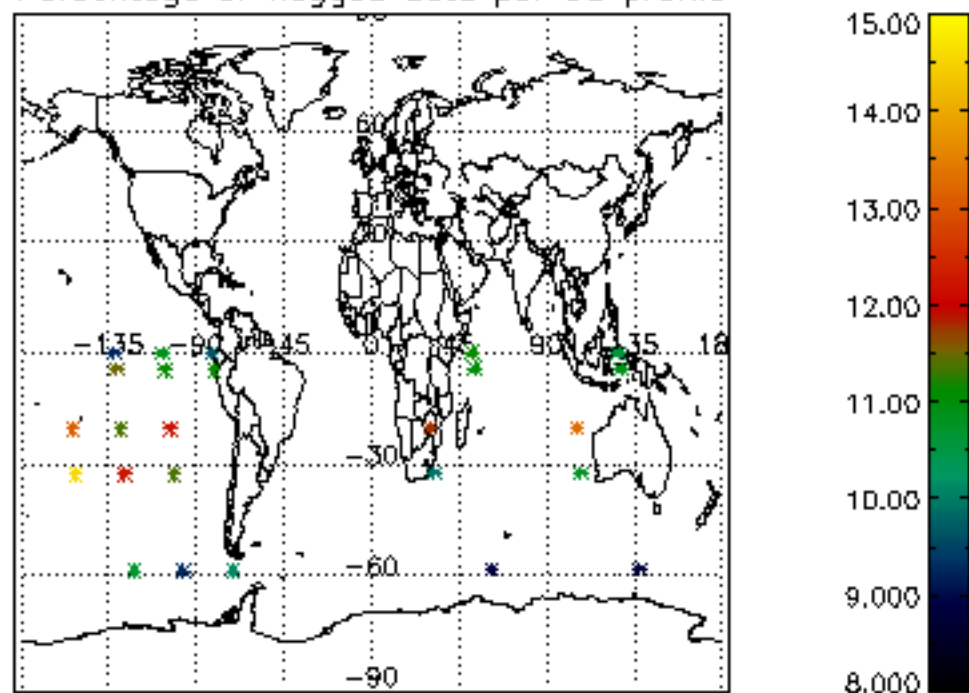




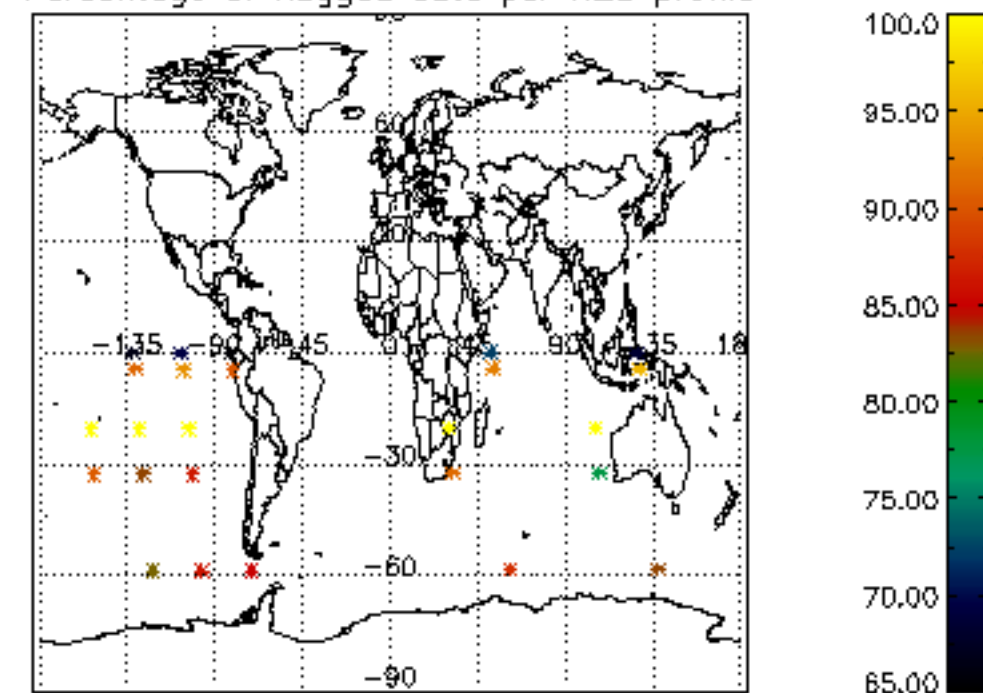




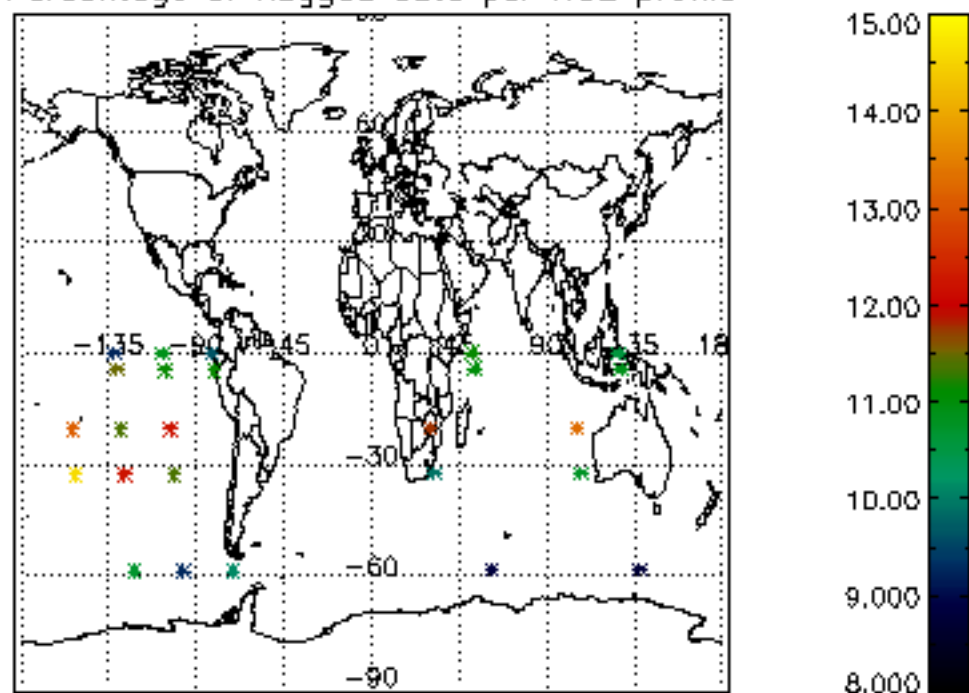
Percentage of flagged data per D3 profile



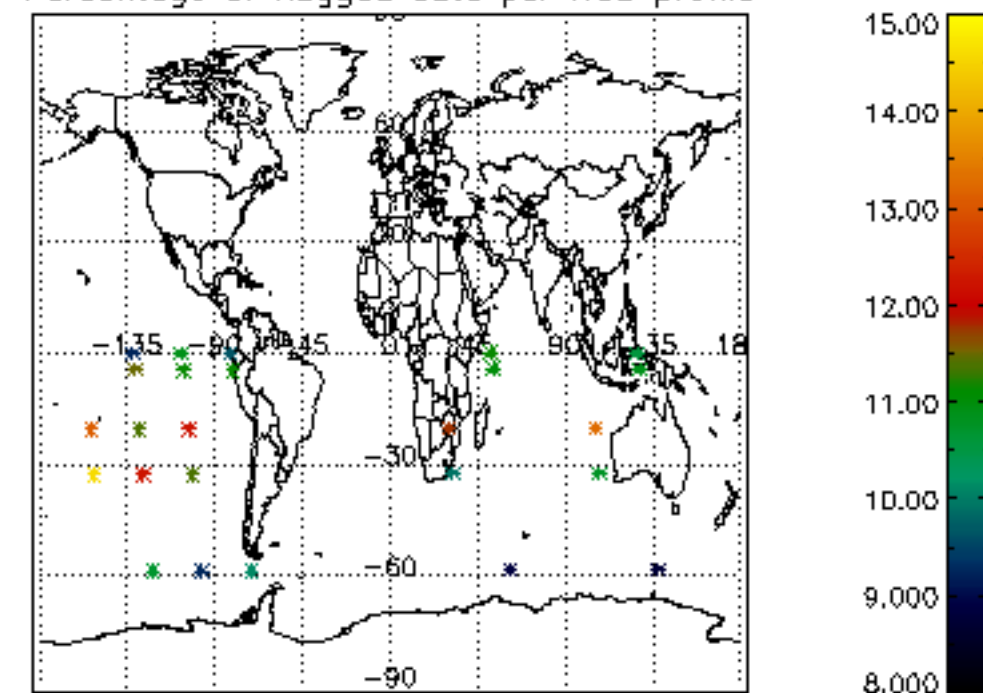
Percentage of flagged data per H2O profile

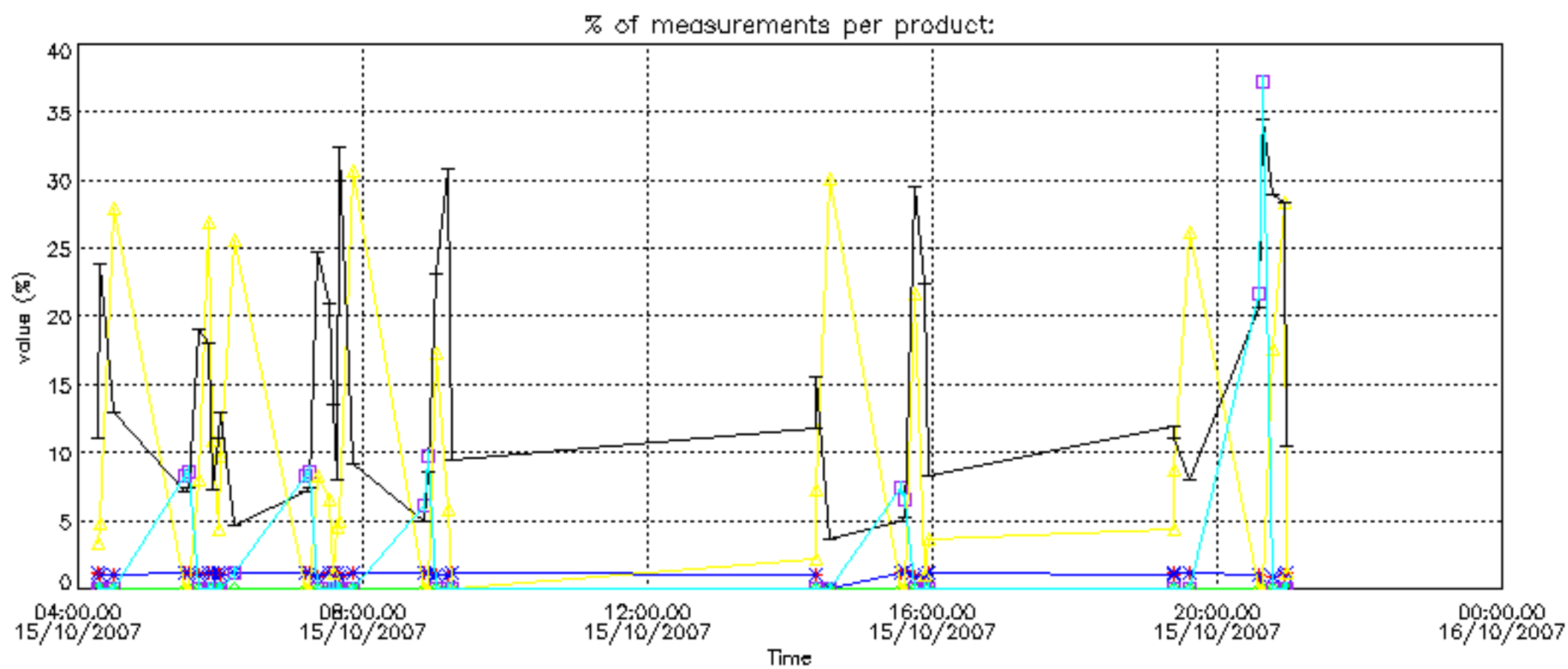


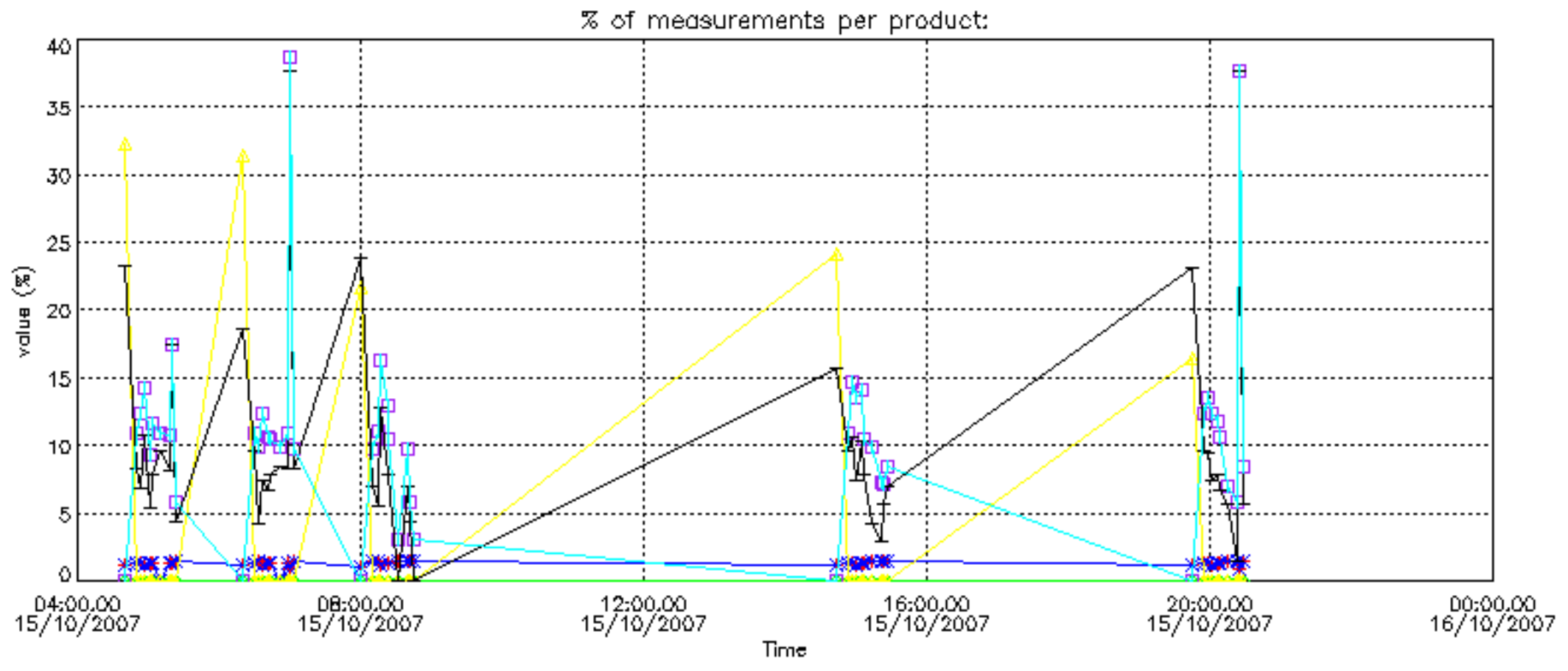
Percentage of flagged data per NO2 profile



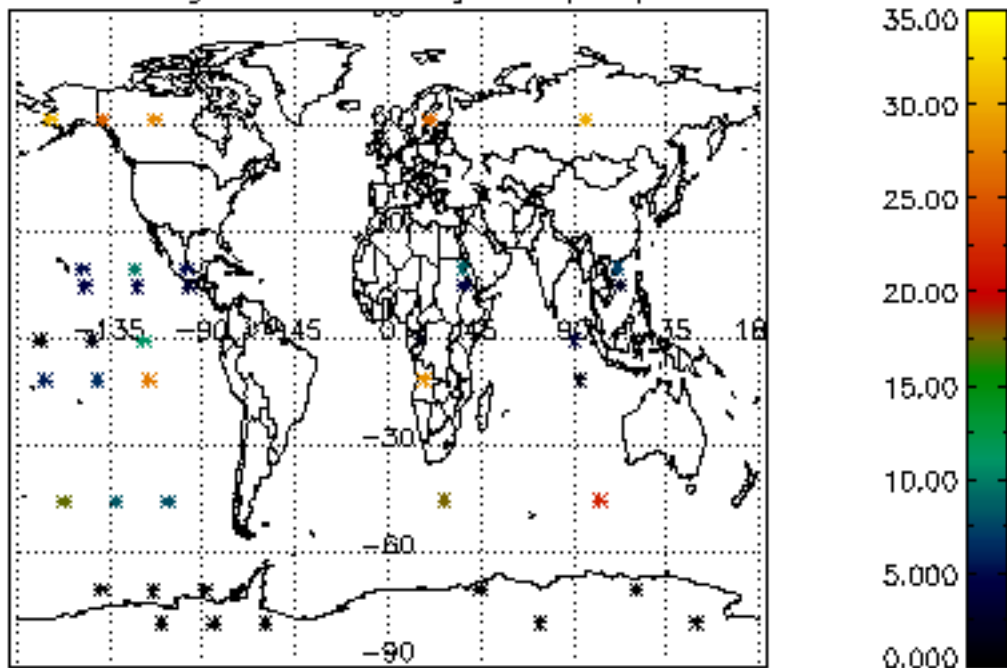
Percentage of flagged data per NO3 profile



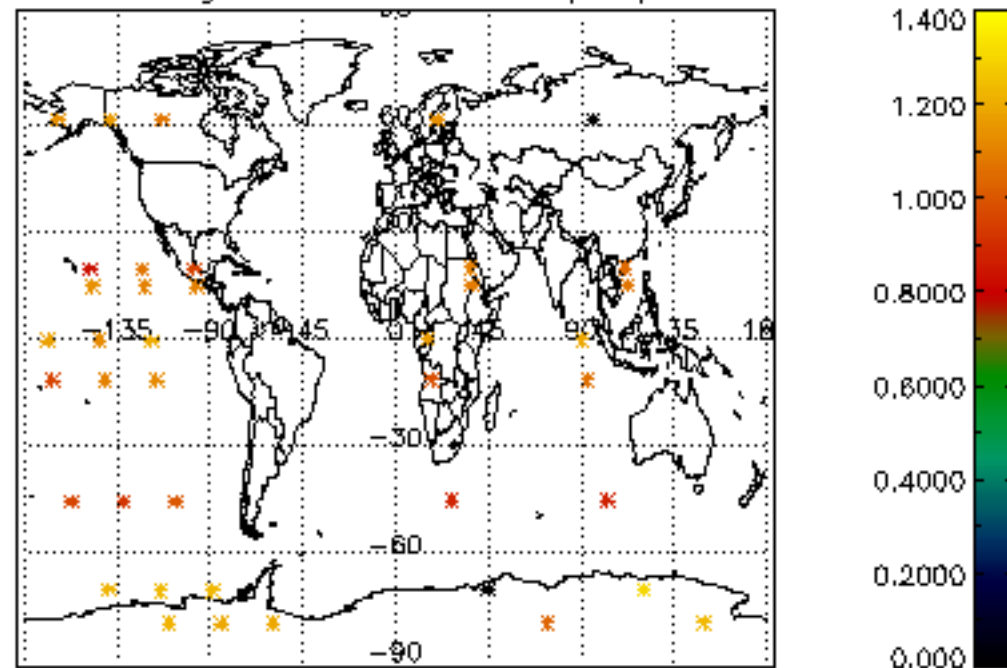




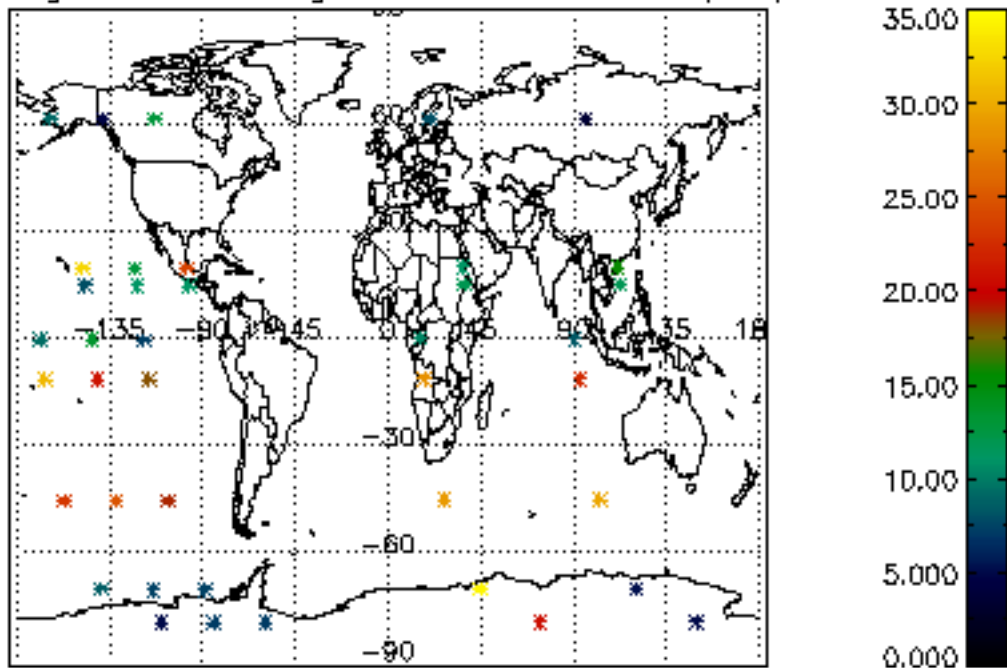
Percentage of cosmic ray hits per profile



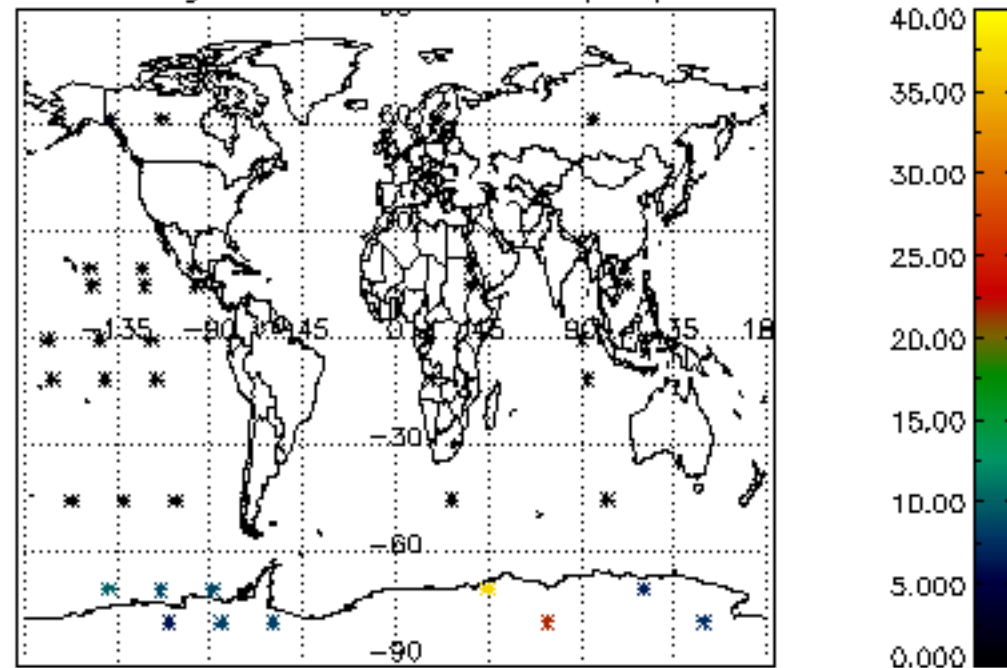
Percentage of datation errors per profile



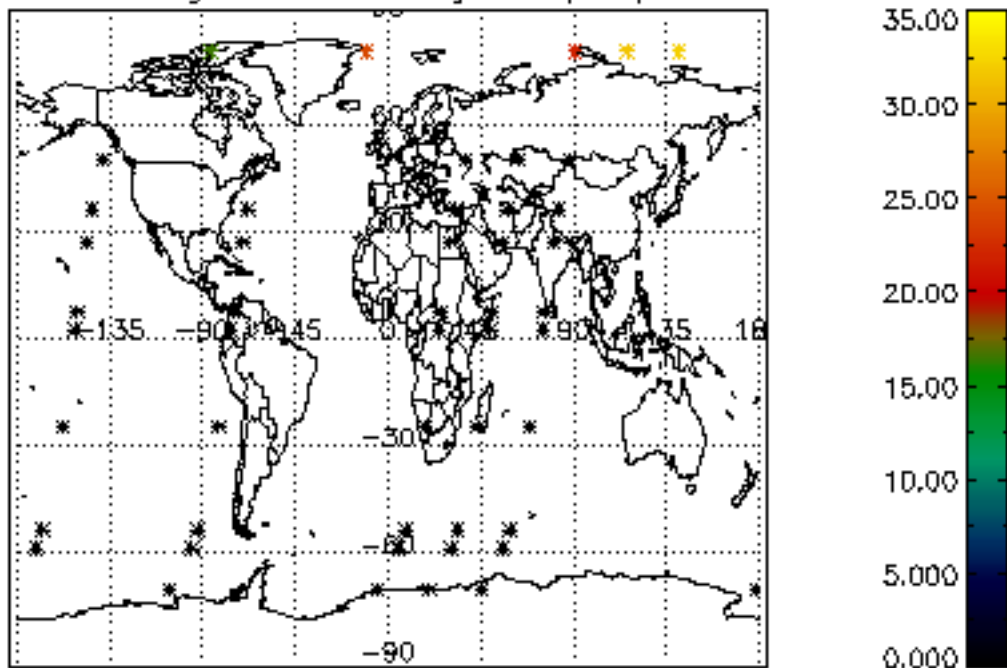
Percentage of star falling outside central band per profile



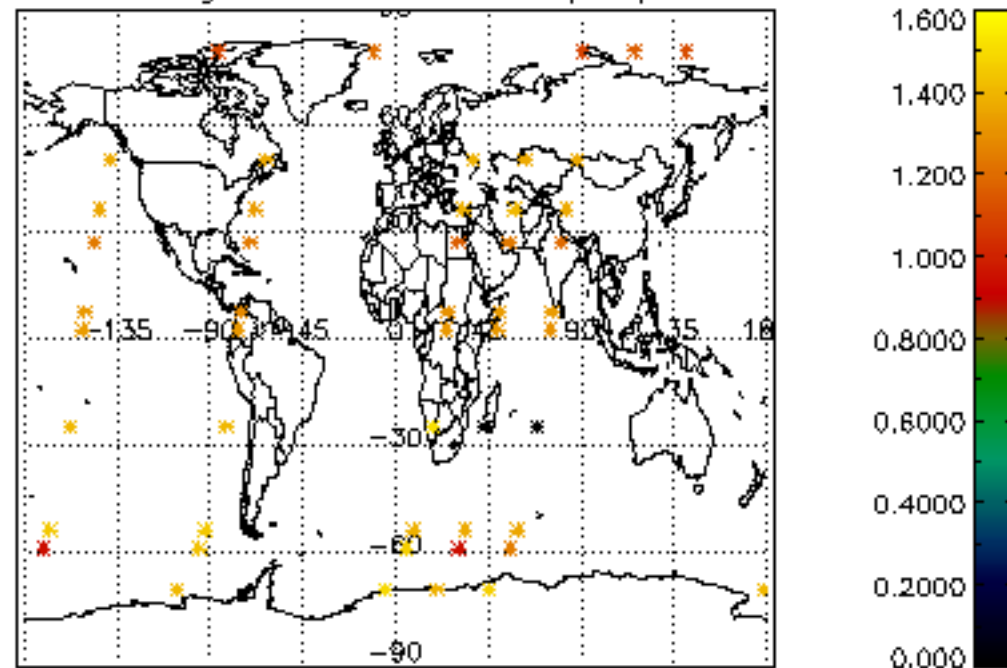
Percentage of saturation errors per profile



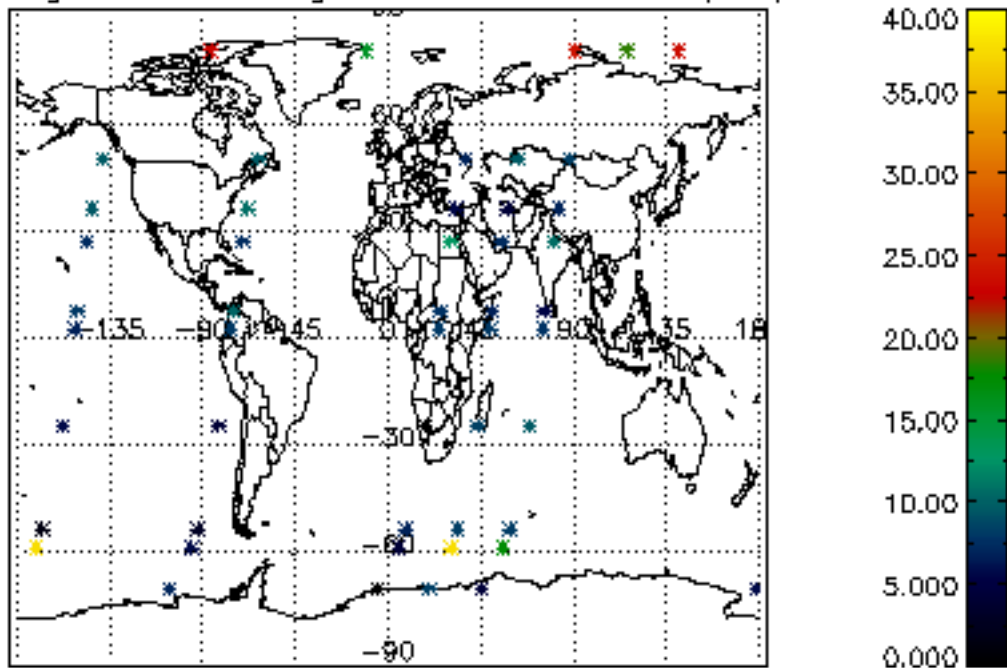
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

