

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	23APR2013 10:52:25
Data source version	GOMOS/6.01
Start time of products	10-11-2007 (10NOV2007 00:00:00)
Stop time of products	11-11-2007 (11NOV2007 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	205
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__2PRFIN20071110_000043_000000412063_00159_29772_0307.N1	10-NOV-2007 00:00:43	Bright	41.000	82	48Bet UMa	2.3650	10600.	82	29772	No
2	GOM_NL__2PRFIN20071110_000436_000000402063_00159_29772_0308.N1	10-NOV-2007 00:04:36	Bright	40.000	174	52Psi UMa	3.0040	4400.0	80	29772	No
3	GOM_NL__2PRFIN20071110_000606_000000342063_00159_29772_0309.N1	10-NOV-2007 00:06:06	Bright	34.000	152	12Alp2CVn	2.8900	11000.	68	29772	No
4	GOM_NL__2PRFIN20071110_001236_000000312063_00159_29772_0310.N1	10-NOV-2007 00:12:36	Bright	31.000	96	68Del Leo	2.5600	9300.0	62	29772	No
5	GOM_NL__2PRFIN20071110_001348_000000392063_00159_29772_0311.N1	10-NOV-2007 00:13:48	Bright	38.500	62	94Bet Leo	2.1360	9700.0	77	29772	No
6	GOM_NL__2PRFIN20071110_003249_000000402063_00159_29772_0312.N1	10-NOV-2007 00:32:49	Dark	40.000	113	Mu Vel	2.6920	5000.0	80	29772	No
7	GOM_NL__2PRFIN20071110_003958_000000482063_00160_29773_0302.N1	10-NOV-2007 00:39:58	Dark	47.500	34	Gam2Vel	1.7930	23000.	95	29773	No
8	GOM_NL__2PRFIN20071110_004500_000000622063_00160_29773_0303.N1	10-NOV-2007 00:45:00	Dark	61.500	2	Alp Car	-0.73600	7000.0	123	29773	No
9	GOM_NL__2PRFIN20071110_005422_000000402063_00160_29773_0304.N1	10-NOV-2007 00:54:22	Straylight	39.500	157	The1Eri	2.9060	9300.0	79	29773	No
10	GOM_NL__2PRFIN20071110_010748_000000532063_00160_29773_0305.N1	10-NOV-2007 01:07:48	Twilight	53.000	94	92Alp Cet	2.5260	3100.0	106	29773	No
11	GOM_NL__2PRFIN20071110_011226_000000382063_00160_29773_0306.N1	10-NOV-2007 01:12:26	Bright	37.500	105	6Bet Ari	2.6450	8900.0	75	29773	No
12	GOM_NL__2PRFIN20071110_011636_000000382063_00160_29773_0307.N1	10-NOV-2007 01:16:36	Bright	37.500	173	4Bet Tri	3.0040	8900.0	75	29773	No
13	GOM_NL__2PRFIN20071110_011840_000000382063_00160_29773_0308.N1	10-NOV-2007 01:18:40	Bright	38.000	73	57Gam1And	2.2600	13100.	76	29773	No
14	GOM_NL__2PRFIN20071110_012217_000000402063_00160_29773_0309.N1	10-NOV-2007 01:22:17	Bright	40.000	35	33Alp Per	1.7950	6250.0	80	29773	No
15	GOM_NL__2PRFIN20071110_012334_000000352063_00160_29773_0310.N1	10-NOV-2007 01:23:34	Bright	35.000	110	37Del Cas	2.6780	8900.0	70	29773	No
16	GOM_NL__2PRFIN20071110_013147_000000352063_00160_29773_0311.N1	10-NOV-2007 01:31:47	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	29773	No
17	GOM_NL__2PRFIN20071110_013941_000000402063_00160_29773_0312.N1	10-NOV-2007 01:39:41	Bright	40.000	36	50Alp UMa	1.8000	6300.0	80	29773	No
18	GOM_NL__2PRFIN20071110_014119_000000402063_00160_29773_0313.N1	10-NOV-2007 01:41:19	Bright	39.500	82	48Bet UMa	2.3650	10600.	79	29773	No
19	GOM_NL__2PRFIN20071110_014512_000000412063_00160_29773_0314.N1	10-NOV-2007 01:45:12	Bright	41.000	174	52Psi UMa	3.0040	4400.0	82	29773	No
20	GOM_NL__2PRFIN20071110_014643_000000462063_00160_29773_0315.N1	10-NOV-2007 01:46:43	Bright	45.500	152	12Alp2CVn	2.8900	11000.	91	29773	No
21	GOM_NL__2PRFIN20071110_015312_000000312063_00160_29773_0316.N1	10-NOV-2007 01:53:12	Bright	31.000	96	68Del Leo	2.5600	9300.0	62	29773	No
22	GOM_NL__2PRFIN20071110_015424_000000572063_00160_29773_0317.N1	10-NOV-2007 01:54:24	Bright	56.500	62	94Bet Leo	2.1360	9700.0	113	29773	No
23	GOM_NL__2PRFIN20071110_021326_000000392063_00160_29773_0318.N1	10-NOV-2007 02:13:26	Dark	39.000	113	Mu Vel	2.6920	5000.0	78	29773	No
24	GOM_NL__2PRFIN20071110_022035_000000472063_00161_29774_0313.N1	10-NOV-2007 02:20:35	Dark	46.500	34	Gam2Vel	1.7930	23000.	93	29774	No
25	GOM_NL__2PRFIN20071110_022536_000000602063_00161_29774_0314.N1	10-NOV-2007 02:25:36	Dark	60.000	2	Alp Car	-0.73600	7000.0	120	29774	No
26	GOM_NL__2PRFIN20071110_023459_000000402063_00161_29774_0315.N1	10-NOV-2007 02:34:59	Straylight	39.500	157	The1Eri	2.9060	9300.0	79	29774	No
27	GOM_NL__2PRFIN20071110_024824_000000532063_00161_29774_0316.N1	10-NOV-2007 02:48:24	Twilight	53.000	94	92Alp Cet	2.5260	3100.0	106	29774	No
28	GOM_NL__2PRFIN20071110_025302_000000372063_00161_29774_0317.N1	10-NOV-2007 02:53:02	Bright	36.500	105	6Bet Ari	2.6450	8900.0	73	29774	No
29	GOM_NL__2PRFIN20071110_025712_000000362063_00161_29774_0318.N1	10-NOV-2007 02:57:12	Bright	36.000	173	4Bet Tri	3.0040	8900.0	72	29774	No
30	GOM_NL__2PRFIN20071110_025915_000000382063_00161_29774_0319.N1	10-NOV-2007 02:59:15	Bright	38.000	73	57Gam1And	2.2600	13100.	76	29774	No
31	GOM_NL__2PRFIN20071110_030252_000000402063_00161_29774_0320.N1	10-NOV-2007 03:02:52	Bright	40.000	35	33Alp Per	1.7950	6250.0	80	29774	No
32	GOM_NL__2PRFIN20071110_030410_000000352063_00161_29774_0321.N1	10-NOV-2007 03:04:10	Bright	35.000	110	37Del Cas	2.6780	8900.0	70	29774	No
33	GOM_NL__2PRFIN20071110_031223_000000322063_00161_29774_0322.N1	10-NOV-2007 03:12:23	Bright	31.500	49	1Alp UMi	1.9900	6300.0	63	29774	No
34	GOM_NL__2PRFIN20071110_032017_000000412063_00161_29774_0323.N1	10-NOV-2007 03:20:17	Bright	41.000	36	50Alp UMa	1.8000	6300.0	82	29774	No
35	GOM_NL__2PRFIN20071110_032155_000000422063_00161_29774_0324.N1	10-NOV-2007 03:21:55	Bright	42.000	82	48Bet UMa	2.3650	10600.	84	29774	No
36	GOM_NL__2PRFIN20071110_032548_000000402063_00161_29774_0325.N1	10-NOV-2007 03:25:48	Bright	40.000	174	52Psi UMa	3.0040	4400.0	80	29774	No
37	GOM_NL__2PRFIN20071110_032718_000000352063_00161_29774_0326.N1	10-NOV-2007 03:27:18	Bright	34.500	152	12Alp2CVn	2.8900	11000.	69	29774	No
38	GOM_NL__2PRFIN20071110_033500_000000572063_00161_29774_0327.N1	10-NOV-2007 03:35:00	Bright	57.000	62	94Bet Leo	2.1360	9700.0	114	29774	No
39	GOM_NL__2PRFIN20071110_035403_000000412063_00161_29774_0328.N1	10-NOV-2007 03:54:03	Dark	40.500	113	Mu Vel	2.6920	5000.0	81	29774	No
40	GOM_NL__2PRFIN20071110_040112_000000472063_00162_29775_0340.N1	10-NOV-2007 04:01:12	Dark	46.500	34	Gam2Vel	1.7930	23000.	93	29775	No
41	GOM_NL__2PRFIN20071110_040613_000000492063_00162_29775_0341.N1	10-NOV-2007 04:06:13	Dark	48.500	2	Alp Car	-0.73600	7000.0	97	29775	No
42	GOM_NL__2PRFIN20071110_041535_000000402063_00162_29775_0342.N1	10-NOV-2007 04:15:35	Straylight	39.500	157	The1Eri	2.9060	9300.0	79	29775	No

43	GOM_NL__2PRFIN20071110_042900_000000512063_00162_29775_0343.N1	10-NOV-2007 04:29:00	Twilight	50.500	94	92Alp Cet	2.5260	3100.0	101	29775	No
44	GOM_NL__2PRFIN20071110_043338_000000362063_00162_29775_0344.N1	10-NOV-2007 04:33:38	Bright	36.000	105	6Bet Ari	2.6450	8900.0	72	29775	No
45	GOM_NL__2PRFIN20071110_043748_000000372063_00162_29775_0345.N1	10-NOV-2007 04:37:48	Bright	36.500	173	4Bet Tri	3.0040	8900.0	73	29775	No
46	GOM_NL__2PRFIN20071110_043951_000000382063_00162_29775_0346.N1	10-NOV-2007 04:39:51	Bright	38.000	73	57Gam1And	2.2600	13100.	76	29775	No
47	GOM_NL__2PRFIN20071110_044328_000000412063_00162_29775_0347.N1	10-NOV-2007 04:43:28	Bright	41.000	35	33Alp Per	1.7950	6250.0	82	29775	No
48	GOM_NL__2PRFIN20071110_044446_000000352063_00162_29775_0348.N1	10-NOV-2007 04:44:46	Bright	34.500	110	37Del Cas	2.6780	8900.0	69	29775	No
49	GOM_NL__2PRFIN20071110_045259_000000372063_00162_29775_0349.N1	10-NOV-2007 04:52:59	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	29775	No
50	GOM_NL__2PRFIN20071110_050053_000000382063_00162_29775_0350.N1	10-NOV-2007 05:00:53	Bright	38.000	36	50Alp UMa	1.8000	6300.0	76	29775	No
51	GOM_NL__2PRFIN20071110_050231_000000422063_00162_29775_0351.N1	10-NOV-2007 05:02:31	Bright	41.500	82	48Bet UMa	2.3650	10600.	83	29775	No
52	GOM_NL__2PRFIN20071110_050624_000000482063_00162_29775_0352.N1	10-NOV-2007 05:06:24	Bright	48.000	174	52Psi UMa	3.0040	4400.0	96	29775	No
53	GOM_NL__2PRFIN20071110_050755_000000352063_00162_29775_0353.N1	10-NOV-2007 05:07:55	Bright	34.500	152	12Alp2CVn	2.8900	11000.	69	29775	No
54	GOM_NL__2PRFIN20071110_051537_000000572063_00162_29775_0354.N1	10-NOV-2007 05:15:37	Bright	57.000	62	94Bet Leo	2.1360	9700.0	114	29775	No
55	GOM_NL__2PRFIN20071110_053439_000000412063_00162_29775_0355.N1	10-NOV-2007 05:34:39	Dark	40.500	113	Mu Vel	2.6920	5000.0	81	29775	No
56	GOM_NL__2PRFIN20071110_054149_000000462063_00163_29776_0344.N1	10-NOV-2007 05:41:49	Dark	46.000	34	Gam2Vel	1.7930	23000.	92	29776	No
57	GOM_NL__2PRFIN20071110_054650_000000612063_00163_29776_0345.N1	10-NOV-2007 05:46:50	Dark	61.000	2	Alp Car	-0.73600	7000.0	122	29776	No
58	GOM_NL__2PRFIN20071110_055611_000000392063_00163_29776_0346.N1	10-NOV-2007 05:56:11	Straylight	38.500	157	The1Eri	2.9060	9300.0	77	29776	No
59	GOM_NL__2PRFIN20071110_060936_000000522063_00163_29776_0347.N1	10-NOV-2007 06:09:36	Twilight	52.000	94	92Alp Cet	2.5260	3100.0	104	29776	No
60	GOM_NL__2PRFIN20071110_061414_000000382063_00163_29776_0348.N1	10-NOV-2007 06:14:14	Bright	37.500	105	6Bet Ari	2.6450	8900.0	75	29776	No
61	GOM_NL__2PRFIN20071110_061824_000000352063_00163_29776_0349.N1	10-NOV-2007 06:18:24	Bright	35.000	173	4Bet Tri	3.0040	8900.0	70	29776	No
62	GOM_NL__2PRFIN20071110_062027_000000362063_00163_29776_0350.N1	10-NOV-2007 06:20:27	Bright	35.500	73	57Gam1And	2.2600	13100.	71	29776	No
63	GOM_NL__2PRFIN20071110_062403_000000412063_00163_29776_0351.N1	10-NOV-2007 06:24:03	Bright	41.000	35	33Alp Per	1.7950	6250.0	82	29776	No
64	GOM_NL__2PRFIN20071110_063335_000000362063_00163_29776_0352.N1	10-NOV-2007 06:33:35	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	29776	No
65	GOM_NL__2PRFIN20071110_064129_000000402063_00163_29776_0353.N1	10-NOV-2007 06:41:29	Bright	40.000	36	50Alp UMa	1.8000	6300.0	80	29776	No
66	GOM_NL__2PRFIN20071110_064306_000000412063_00163_29776_0354.N1	10-NOV-2007 06:43:06	Bright	40.500	82	48Bet UMa	2.3650	10600.	81	29776	No
67	GOM_NL__2PRFIN20071110_064700_000000602063_00163_29776_0355.N1	10-NOV-2007 06:47:00	Bright	60.000	174	52Psi UMa	3.0040	4400.0	120	29776	No
68	GOM_NL__2PRFIN20071110_064831_000000342063_00163_29776_0356.N1	10-NOV-2007 06:48:31	Bright	34.000	152	12Alp2CVn	2.8900	11000.	68	29776	No
69	GOM_NL__2PRFIN20071110_065613_000000382063_00163_29776_0357.N1	10-NOV-2007 06:56:13	Bright	37.500	62	94Bet Leo	2.1360	9700.0	75	29776	No
70	GOM_NL__2PRFIN20071110_071516_000000442063_00163_29776_0358.N1	10-NOV-2007 07:15:16	Dark	43.500	113	Mu Vel	2.6920	5000.0	87	29776	No
71	GOM_NL__2PRFIN20071110_072226_000000472063_00164_29777_0379.N1	10-NOV-2007 07:22:26	Dark	47.000	34	Gam2Vel	1.7930	23000.	94	29777	No
72	GOM_NL__2PRFIN20071110_072727_000000602063_00164_29777_0380.N1	10-NOV-2007 07:27:27	Dark	60.000	2	Alp Car	-0.73600	7000.0	120	29777	No
73	GOM_NL__2PRFIN20071110_073648_000000392063_00164_29777_0381.N1	10-NOV-2007 07:36:48	Straylight	38.500	157	The1Eri	2.9060	9300.0	77	29777	No
74	GOM_NL__2PRFIN20071110_075011_000000502063_00164_29777_0382.N1	10-NOV-2007 07:50:11	Twilight	50.000	94	92Alp Cet	2.5260	3100.0	100	29777	No
75	GOM_NL__2PRFIN20071110_075450_000000382063_00164_29777_0383.N1	10-NOV-2007 07:54:50	Bright	37.500	105	6Bet Ari	2.6450	8900.0	75	29777	No
76	GOM_NL__2PRFIN20071110_075859_000000362063_00164_29777_0384.N1	10-NOV-2007 07:58:59	Bright	36.000	173	4Bet Tri	3.0040	8900.0	72	29777	No
77	GOM_NL__2PRFIN20071110_080103_000000362063_00164_29777_0385.N1	10-NOV-2007 08:01:03	Bright	36.000	73	57Gam1And	2.2600	13100.	72	29777	No
78	GOM_NL__2PRFIN20071110_080439_000000422063_00164_29777_0386.N1	10-NOV-2007 08:04:39	Bright	42.000	35	33Alp Per	1.7950	6250.0	84	29777	No
79	GOM_NL__2PRFIN20071110_081411_000000352063_00164_29777_0387.N1	10-NOV-2007 08:14:11	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	29777	No
80	GOM_NL__2PRFIN20071110_082204_000000402063_00164_29777_0388.N1	10-NOV-2007 08:22:04	Bright	40.000	36	50Alp UMa	1.8000	6300.0	80	29777	No
81	GOM_NL__2PRFIN20071110_082342_000000402063_00164_29777_0389.N1	10-NOV-2007 08:23:42	Bright	40.000	82	48Bet UMa	2.3650	10600.	80	29777	No
82	GOM_NL__2PRFIN20071110_082736_000000422063_00164_29777_0390.N1	10-NOV-2007 08:27:36	Bright	41.500	174	52Psi UMa	3.0040	4400.0	83	29777	No
83	GOM_NL__2PRFIN20071110_082907_000000342063_00164_29777_0391.N1	10-NOV-2007 08:29:07	Bright	34.000	152	12Alp2CVn	2.8900	11000.	68	29777	No
84	GOM_NL__2PRFIN20071110_083649_000000372063_00164_29777_0392.N1	10-NOV-2007 08:36:49	Bright	37.000	62	94Bet Leo	2.1360	9700.0	74	29777	No
85	GOM_NL__2PRFIN20071110_085552_000000412063_00164_29777_0393.N1	10-NOV-2007 08:55:52	Dark	41.000	113	Mu Vel	2.6920	5000.0	82	29777	No
86	GOM_NL__2PRFIN20071110_090302_000000452063_00165_29778_0391.N1	10-NOV-2007 09:03:02	Dark	45.000	34	Gam2Vel	1.7930	23000.	90	29778	No
87	GOM_NL__2PRFIN20071110_090803_000000622063_00165_29778_0392.N1	10-NOV-2007 09:08:03	Dark	62.000	2	Alp Car	-0.73600	7000.0	124	29778	No
88	GOM_NL__2PRFIN20071110_091724_000000402063_00165_29778_0393.N1	10-NOV-2007 09:17:24	Straylight	39.500	157	The1Eri	2.9060	9300.0	79	29778	No
89	GOM_NL__2PRFIN20071110_093047_000000532063_00165_29778_0394.N1	10-NOV-2007 09:30:47	Twilight	52.500	94	92Alp Cet	2.5260	3100.0	105	29778	No
90	GOM_NL__2PRFIN20071110_093526_000000372063_00165_29778_0395.N1	10-NOV-2007 09:35:26	Bright	37.000	105	6Bet Ari	2.6450	8900.0	74	29778	No
91	GOM_NL__2PRFIN20071110_093935_000000372063_00165_29778_0396.N1	10-NOV-2007 09:39:35	Bright	36.500	173	4Bet Tri	3.0040	8900.0	73	29778	No
92	GOM_NL__2PRFIN20071110_094139_000000362063_00165_29778_0397.N1	10-NOV-2007 09:41:39	Bright	35.500	73	57Gam1And	2.2600	13100.	71	29778	No
93	GOM_NL__2PRFIN20071110_094514_000000432063_00165_29778_0398.N1	10-NOV-2007 09:45:14	Bright	42.500	35	33Alp Per	1.7950	6250.0	85	29778	No
94	GOM_NL__2PRFIN20071110_095446_000000352063_00165_29778_0399.N1	10-NOV-2007 09:54:46	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	29778	No
95	GOM_NL__2PRFIN20071110_100240_000000412063_00165_29778_0400.N1	10-NOV-2007 10:02:40	Bright	40.500	36	50Alp UMa	1.8000	6300.0	81	29778	No
96	GOM_NL__2PRFIN20071110_100418_000000412063_00165_29778_0401.N1	10-NOV-2007 10:04:18	Bright	40.500	82	48Bet UMa	2.3650	10600.	81	29778	No
97	GOM_NL__2PRFIN20071110_100812_000000402063_00165_29778_0402.N1	10-NOV-2007 10:08:12	Bright	40.000	174	52Psi UMa	3.0040	4400.0	80	29778	No
98	GOM_NL__2PRFIN20071110_100943_000000522063_00165_29778_0403.N1	10-NOV-2007 10:09:43	Bright	52.000	152	12Alp2CVn	2.8900	11000.	104	29778	No
99	GOM_NL__2PRFIN20071110_101725_000000572063_00165_29778_0404.N1	10-NOV-2007 10:17:25	Bright	57.000	62	94Bet Leo	2.1360	9700.0	114	29778	No
100	GOM_NL__2PRFIN20071110_103628_000000392063_00165_29778_0405.N1	10-NOV-2007 10:36:28	Dark	38.500	113	Mu Vel	2.6920	5000.0	77	29778	No
101	GOM_NL__2PRFIN20071110_122019_000000362063_00167_29780_0415.N1	10-NOV-2007 12:20:19	Dark	36.000	124	The Car	2.7640	30000.	72	29780	No

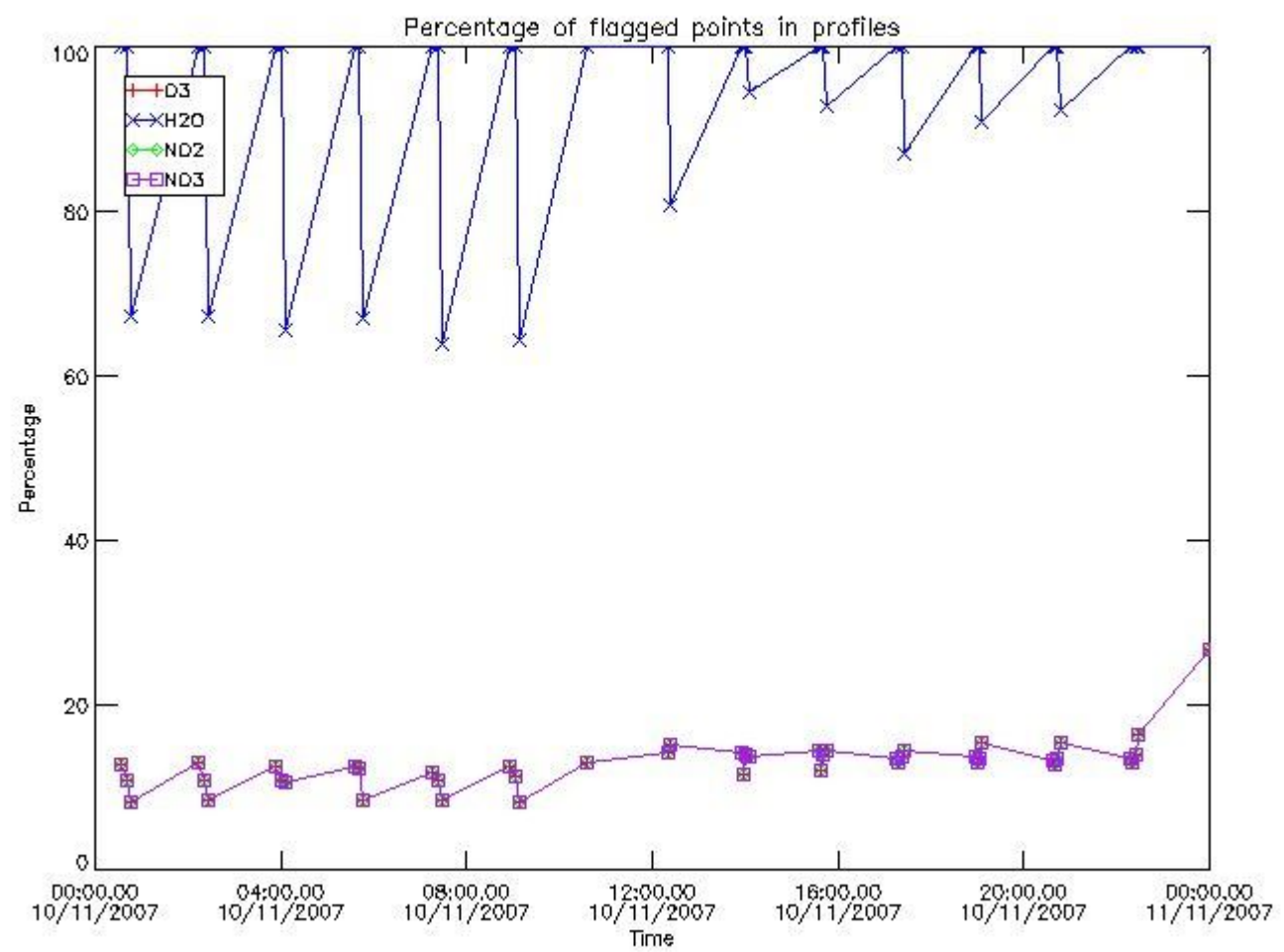
102	GOM_NL__2PRFIN20071110_122351_000000372063_00167_29780_0416.N1	10-NOV-2007 12:23:51	Dark	37.000	41	Eps Car	1.8600	4100.0	74	29780	No
103	GOM_NL__2PRFIN20071110_123836_000000402063_00167_29780_0417.N1	10-NOV-2007 12:38:36	Straylight	39.500	157	The1Eri	2.9060	9300.0	79	29780	No
104	GOM_NL__2PRFIN20071110_125638_000000372063_00167_29780_0418.N1	10-NOV-2007 12:56:38	Bright	36.500	105	6Bet Ari	2.6450	8900.0	73	29780	No
105	GOM_NL__2PRFIN20071110_130054_000000362063_00167_29780_0419.N1	10-NOV-2007 13:00:54	Bright	36.000	53	43Bet And	2.0480	3300.0	72	29780	No
106	GOM_NL__2PRFIN20071110_130652_000000372063_00167_29780_0420.N1	10-NOV-2007 13:06:52	Bright	36.500	68	18Alp Cas	2.2250	4500.0	73	29780	No
107	GOM_NL__2PRFIN20071110_132009_000000332063_00167_29780_0421.N1	10-NOV-2007 13:20:09	Bright	32.500	60	7Bet UMi	2.0810	3950.0	65	29780	No
108	GOM_NL__2PRFIN20071110_132554_000000362063_00167_29780_0422.N1	10-NOV-2007 13:25:54	Bright	35.500	32	77Eps UMa	1.7630	11000.	71	29780	No
109	GOM_NL__2PRFIN20071110_132724_000000342063_00167_29780_0423.N1	10-NOV-2007 13:27:24	Bright	33.500	39	85Eta UMa	1.8540	24000.	67	29780	No
110	GOM_NL__2PRFIN20071110_133055_000000342063_00167_29780_0424.N1	10-NOV-2007 13:30:55	Bright	34.000	152	12Alp2CVn	2.8900	11000.	68	29780	No
111	GOM_NL__2PRFIN20071110_133832_000000332063_00167_29780_0425.N1	10-NOV-2007 13:38:32	Bright	32.500	138	47Eps Vir	2.8280	4700.0	65	29780	No
112	GOM_NL__2PRFIN20071110_134838_000000422063_00167_29780_0426.N1	10-NOV-2007 13:48:38	Twilight	41.500	171	2Eps Crv	3.0010	4250.0	83	29780	No
113	GOM_NL__2PRFIN20071110_135511_000000362063_00167_29780_0427.N1	10-NOV-2007 13:55:11	Dark	36.000	64	Gam Cen	2.2000	10600.	72	29780	No
114	GOM_NL__2PRFIN20071110_135741_000000442063_00167_29780_0428.N1	10-NOV-2007 13:57:41	Dark	44.000	113	Mu Vel	2.6920	5000.0	88	29780	No
115	GOM_NL__2PRFIN20071110_140056_000000372063_00168_29781_0438.N1	10-NOV-2007 14:00:56	Dark	36.500	124	The Car	2.7640	30000.	73	29781	No
116	GOM_NL__2PRFIN20071110_140428_000000372063_00168_29781_0439.N1	10-NOV-2007 14:04:28	Dark	37.000	41	Eps Car	1.8600	4100.0	74	29781	No
117	GOM_NL__2PRFIN20071110_141912_000000372063_00168_29781_0440.N1	10-NOV-2007 14:19:12	Straylight	37.000	157	The1Eri	2.9060	9300.0	74	29781	No
118	GOM_NL__2PRFIN20071110_143714_000000372063_00168_29781_0441.N1	10-NOV-2007 14:37:14	Bright	37.000	105	6Bet Ari	2.6450	8900.0	74	29781	No
119	GOM_NL__2PRFIN20071110_144130_000000372063_00168_29781_0442.N1	10-NOV-2007 14:41:30	Bright	36.500	53	43Bet And	2.0480	3300.0	73	29781	No
120	GOM_NL__2PRFIN20071110_144728_000000362063_00168_29781_0443.N1	10-NOV-2007 14:47:28	Bright	35.500	68	18Alp Cas	2.2250	4500.0	71	29781	No
121	GOM_NL__2PRFIN20071110_145634_000000352063_00168_29781_0444.N1	10-NOV-2007 14:56:34	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	29781	No
122	GOM_NL__2PRFIN20071110_150045_000000362063_00168_29781_0445.N1	10-NOV-2007 15:00:45	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	29781	No
123	GOM_NL__2PRFIN20071110_150630_000000342063_00168_29781_0446.N1	10-NOV-2007 15:06:30	Bright	33.500	32	77Eps UMa	1.7630	11000.	67	29781	No
124	GOM_NL__2PRFIN20071110_150800_000000342063_00168_29781_0447.N1	10-NOV-2007 15:08:00	Bright	34.000	39	85Eta UMa	1.8540	24000.	68	29781	No
125	GOM_NL__2PRFIN20071110_151131_000000352063_00168_29781_0448.N1	10-NOV-2007 15:11:31	Bright	34.500	152	12Alp2CVn	2.8900	11000.	69	29781	No
126	GOM_NL__2PRFIN20071110_151908_000000332063_00168_29781_0449.N1	10-NOV-2007 15:19:08	Bright	32.500	138	47Eps Vir	2.8280	4700.0	65	29781	No
127	GOM_NL__2PRFIN20071110_152915_000000432063_00168_29781_0450.N1	10-NOV-2007 15:29:15	Twilight	43.000	171	2Eps Crv	3.0010	4250.0	86	29781	No
128	GOM_NL__2PRFIN20071110_153547_000000362063_00168_29781_0451.N1	10-NOV-2007 15:35:47	Dark	35.500	64	Gam Cen	2.2000	10600.	71	29781	No
129	GOM_NL__2PRFIN20071110_153818_000000432063_00168_29781_0452.N1	10-NOV-2007 15:38:18	Dark	42.500	113	Mu Vel	2.6920	5000.0	85	29781	No
130	GOM_NL__2PRFIN20071110_154132_000000372063_00169_29782_0462.N1	10-NOV-2007 15:41:32	Dark	36.500	124	The Car	2.7640	30000.	73	29782	No
131	GOM_NL__2PRFIN20071110_154504_000000352063_00169_29782_0463.N1	10-NOV-2007 15:45:04	Dark	35.000	41	Eps Car	1.8600	4100.0	70	29782	No
132	GOM_NL__2PRFIN20071110_155948_000000392063_00169_29782_0464.N1	10-NOV-2007 15:59:48	Straylight	38.500	157	The1Eri	2.9060	9300.0	77	29782	No
133	GOM_NL__2PRFIN20071110_161750_000000382063_00169_29782_0465.N1	10-NOV-2007 16:17:50	Bright	38.000	105	6Bet Ari	2.6450	8900.0	76	29782	No
134	GOM_NL__2PRFIN20071110_162206_000000382063_00169_29782_0466.N1	10-NOV-2007 16:22:06	Bright	38.000	53	43Bet And	2.0480	3300.0	76	29782	No
135	GOM_NL__2PRFIN20071110_162804_000000352063_00169_29782_0467.N1	10-NOV-2007 16:28:04	Bright	34.500	68	18Alp Cas	2.2250	4500.0	69	29782	No
136	GOM_NL__2PRFIN20071110_163710_000000362063_00169_29782_0468.N1	10-NOV-2007 16:37:10	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	29782	No
137	GOM_NL__2PRFIN20071110_164121_000000372063_00169_29782_0469.N1	10-NOV-2007 16:41:21	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	29782	No
138	GOM_NL__2PRFIN20071110_164706_000000522063_00169_29782_0470.N1	10-NOV-2007 16:47:06	Bright	52.000	32	77Eps UMa	1.7630	11000.	104	29782	No
139	GOM_NL__2PRFIN20071110_164836_000000362063_00169_29782_0471.N1	10-NOV-2007 16:48:36	Bright	35.500	39	85Eta UMa	1.8540	24000.	71	29782	No
140	GOM_NL__2PRFIN20071110_165207_000000402063_00169_29782_0472.N1	10-NOV-2007 16:52:07	Bright	40.000	152	12Alp2CVn	2.8900	11000.	80	29782	No
141	GOM_NL__2PRFIN20071110_165944_000000332063_00169_29782_0473.N1	10-NOV-2007 16:59:44	Bright	33.000	138	47Eps Vir	2.8280	4700.0	66	29782	No
142	GOM_NL__2PRFIN20071110_170951_000000432063_00169_29782_0474.N1	10-NOV-2007 17:09:51	Twilight	42.500	171	2Eps Crv	3.0010	4250.0	85	29782	No
143	GOM_NL__2PRFIN20071110_171623_000000382063_00169_29782_0475.N1	10-NOV-2007 17:16:23	Dark	37.500	64	Gam Cen	2.2000	10600.	75	29782	No
144	GOM_NL__2PRFIN20071110_171854_000000392063_00169_29782_0476.N1	10-NOV-2007 17:18:54	Dark	39.000	113	Mu Vel	2.6920	5000.0	78	29782	No
145	GOM_NL__2PRFIN20071110_172208_000000372063_00170_29783_0478.N1	10-NOV-2007 17:22:08	Dark	37.000	124	The Car	2.7640	30000.	74	29783	No
146	GOM_NL__2PRFIN20071110_172541_000000352063_00170_29783_0479.N1	10-NOV-2007 17:25:41	Dark	34.500	41	Eps Car	1.8600	4100.0	69	29783	No
147	GOM_NL__2PRFIN20071110_174025_000000382063_00170_29783_0480.N1	10-NOV-2007 17:40:25	Straylight	38.000	157	The1Eri	2.9060	9300.0	76	29783	No
148	GOM_NL__2PRFIN20071110_175826_000000382063_00170_29783_0481.N1	10-NOV-2007 17:58:26	Bright	37.500	105	6Bet Ari	2.6450	8900.0	75	29783	No
149	GOM_NL__2PRFIN20071110_180242_000000362063_00170_29783_0482.N1	10-NOV-2007 18:02:42	Bright	36.000	53	43Bet And	2.0480	3300.0	72	29783	No
150	GOM_NL__2PRFIN20071110_180840_000000372063_00170_29783_0483.N1	10-NOV-2007 18:08:40	Bright	37.000	68	18Alp Cas	2.2250	4500.0	74	29783	No
151	GOM_NL__2PRFIN20071110_181746_000000372063_00170_29783_0484.N1	10-NOV-2007 18:17:46	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	29783	No
152	GOM_NL__2PRFIN20071110_182157_000000372063_00170_29783_0485.N1	10-NOV-2007 18:21:57	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	29783	No
153	GOM_NL__2PRFIN20071110_182742_000000352063_00170_29783_0486.N1	10-NOV-2007 18:27:42	Bright	35.000	32	77Eps UMa	1.7630	11000.	70	29783	No
154	GOM_NL__2PRFIN20071110_182913_000000342063_00170_29783_0487.N1	10-NOV-2007 18:29:13	Bright	33.500	39	85Eta UMa	1.8540	24000.	67	29783	No
155	GOM_NL__2PRFIN20071110_183243_000000332063_00170_29783_0488.N1	10-NOV-2007 18:32:43	Bright	33.000	152	12Alp2CVn	2.8900	11000.	66	29783	No
156	GOM_NL__2PRFIN20071110_184020_000000332063_00170_29783_0489.N1	10-NOV-2007 18:40:20	Bright	33.000	138	47Eps Vir	2.8280	4700.0	66	29783	No
157	GOM_NL__2PRFIN20071110_185027_000000422063_00170_29783_0490.N1	10-NOV-2007 18:50:27	Twilight	42.000	171	2Eps Crv	3.0010	4250.0	84	29783	No
158	GOM_NL__2PRFIN20071110_185659_000000372063_00170_29783_0491.N1	10-NOV-2007 18:56:59	Dark	37.000	64	Gam Cen	2.2000	10600.	74	29783	No
159	GOM_NL__2PRFIN20071110_185931_000000402063_00170_29783_0492.N1	10-NOV-2007 18:59:31	Dark	39.500	113	Mu Vel	2.6920	5000.0	79	29783	No
160	GOM_NL__2PRFIN20071110_190245_000000382063_00171_29784_0493.N1	10-NOV-2007 19:02:45	Dark	37.500	124	The Car	2.7640	30000.	75	29784	No

161	GOM_NL__2PRFIN20071110_190617_000000332063_00171_29784_0494.N1	10-NOV-2007 19:06:17	Dark	32.500	41	Eps Car	1.8600	4100.0	65	29784	No
162	GOM_NL__2PRFIN20071110_192101_000000382063_00171_29784_0495.N1	10-NOV-2007 19:21:01	Straylight	38.000	157	The1Eri	2.9060	9300.0	76	29784	No
163	GOM_NL__2PRFIN20071110_193902_000000382063_00171_29784_0496.N1	10-NOV-2007 19:39:02	Bright	37.500	105	6Bet Ari	2.6450	8900.0	75	29784	No
164	GOM_NL__2PRFIN20071110_194318_000000372063_00171_29784_0497.N1	10-NOV-2007 19:43:18	Bright	37.000	53	43Bet And	2.0480	3300.0	74	29784	No
165	GOM_NL__2PRFIN20071110_194514_000000272063_00171_29784_0498.N1	10-NOV-2007 19:45:14	Bright	27.000	73	57Gam1And	2.2600	13100.	54	29784	No
166	GOM_NL__2PRFIN20071110_194916_000000372063_00171_29784_0499.N1	10-NOV-2007 19:49:16	Bright	37.000	68	18Alp Cas	2.2250	4500.0	74	29784	No
167	GOM_NL__2PRFIN20071110_195822_000000362063_00171_29784_0500.N1	10-NOV-2007 19:58:22	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	29784	No
168	GOM_NL__2PRFIN20071110_200234_000000372063_00171_29784_0501.N1	10-NOV-2007 20:02:34	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	29784	No
169	GOM_NL__2PRFIN20071110_200818_000000382063_00171_29784_0502.N1	10-NOV-2007 20:08:18	Bright	37.500	32	77Eps UMa	1.7630	11000.	75	29784	No
170	GOM_NL__2PRFIN20071110_200949_000000522063_00171_29784_0503.N1	10-NOV-2007 20:09:49	Bright	52.000	39	85Eta UMa	1.8540	24000.	104	29784	No
171	GOM_NL__2PRFIN20071110_201320_000000342063_00171_29784_0504.N1	10-NOV-2007 20:13:20	Bright	34.000	152	12Alp2CVn	2.8900	11000.	68	29784	No
172	GOM_NL__2PRFIN20071110_202056_000000332063_00171_29784_0505.N1	10-NOV-2007 20:20:56	Bright	32.500	138	47Eps Vir	2.8280	4700.0	65	29784	No
173	GOM_NL__2PRFIN20071110_203104_000000422063_00171_29784_0506.N1	10-NOV-2007 20:31:04	Twilight	41.500	171	2Eps Crv	3.0010	4250.0	83	29784	No
174	GOM_NL__2PRFIN20071110_203736_000000392063_00171_29784_0507.N1	10-NOV-2007 20:37:36	Dark	38.500	64	Gam Cen	2.2000	10600.	77	29784	No
175	GOM_NL__2PRFIN20071110_204007_000000402063_00171_29784_0508.N1	10-NOV-2007 20:40:07	Dark	40.000	113	Mu Vel	2.6920	5000.0	80	29784	No
176	GOM_NL__2PRFIN20071110_204321_000000382063_00172_29785_0501.N1	10-NOV-2007 20:43:21	Dark	37.500	124	The Car	2.7640	30000.	75	29785	No
177	GOM_NL__2PRFIN20071110_204654_000000332063_00172_29785_0502.N1	10-NOV-2007 20:46:54	Dark	32.500	41	Eps Car	1.8600	4100.0	65	29785	No
178	GOM_NL__2PRFIN20071110_210137_000000382063_00172_29785_0503.N1	10-NOV-2007 21:01:37	Straylight	38.000	157	The1Eri	2.9060	9300.0	76	29785	No
179	GOM_NL__2PRFIN20071110_211937_000000372063_00172_29785_0504.N1	10-NOV-2007 21:19:37	Bright	37.000	105	6Bet Ari	2.6450	8900.0	74	29785	No
180	GOM_NL__2PRFIN20071110_212354_000000392063_00172_29785_0505.N1	10-NOV-2007 21:23:54	Bright	39.000	53	43Bet And	2.0480	3300.0	78	29785	No
181	GOM_NL__2PRFIN20071110_212549_000000272063_00172_29785_0506.N1	10-NOV-2007 21:25:49	Bright	27.000	73	57Gam1And	2.2600	13100.	54	29785	No
182	GOM_NL__2PRFIN20071110_212952_000000362063_00172_29785_0507.N1	10-NOV-2007 21:29:52	Bright	36.000	68	18Alp Cas	2.2250	4500.0	72	29785	No
183	GOM_NL__2PRFIN20071110_213858_000000342063_00172_29785_0508.N1	10-NOV-2007 21:38:58	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	29785	No
184	GOM_NL__2PRFIN20071110_214310_000000332063_00172_29785_0509.N1	10-NOV-2007 21:43:10	Bright	33.000	60	7Bet UMi	2.0810	3950.0	66	29785	No
185	GOM_NL__2PRFIN20071110_214854_000000352063_00172_29785_0510.N1	10-NOV-2007 21:48:54	Bright	35.000	32	77Eps UMa	1.7630	11000.	70	29785	No
186	GOM_NL__2PRFIN20071110_215025_000000362063_00172_29785_0511.N1	10-NOV-2007 21:50:25	Bright	35.500	39	85Eta UMa	1.8540	24000.	71	29785	No
187	GOM_NL__2PRFIN20071110_215355_000000412063_00172_29785_0512.N1	10-NOV-2007 21:53:55	Bright	41.000	152	12Alp2CVn	2.8900	11000.	82	29785	No
188	GOM_NL__2PRFIN20071110_220132_000000332063_00172_29785_0513.N1	10-NOV-2007 22:01:32	Bright	32.500	138	47Eps Vir	2.8280	4700.0	65	29785	No
189	GOM_NL__2PRFIN20071110_221140_000000432063_00172_29785_0514.N1	10-NOV-2007 22:11:40	Twilight	42.500	171	2Eps Crv	3.0010	4250.0	85	29785	No
190	GOM_NL__2PRFIN20071110_221811_000000382063_00172_29785_0515.N1	10-NOV-2007 22:18:11	Dark	37.500	64	Gam Cen	2.2000	10600.	75	29785	No
191	GOM_NL__2PRFIN20071110_222044_000000402063_00172_29785_0516.N1	10-NOV-2007 22:20:44	Dark	39.500	113	Mu Vel	2.6920	5000.0	79	29785	No
192	GOM_NL__2PRFIN20071110_222357_000000372063_00173_29786_0544.N1	10-NOV-2007 22:23:57	Dark	36.500	124	The Car	2.7640	30000.	73	29786	No
193	GOM_NL__2PRFIN20071110_222730_000000312063_00173_29786_0545.N1	10-NOV-2007 22:27:30	Dark	31.000	41	Eps Car	1.8600	4100.0	62	29786	No
194	GOM_NL__2PRFIN20071110_224213_000000382063_00173_29786_0546.N1	10-NOV-2007 22:42:13	Straylight	37.500	157	The1Eri	2.9060	9300.0	75	29786	No
195	GOM_NL__2PRFIN20071110_230013_000000372063_00173_29786_0547.N1	10-NOV-2007 23:00:13	Bright	37.000	105	6Bet Ari	2.6450	8900.0	74	29786	No
196	GOM_NL__2PRFIN20071110_230430_000000362063_00173_29786_0548.N1	10-NOV-2007 23:04:30	Bright	35.500	53	43Bet And	2.0480	3300.0	71	29786	No
197	GOM_NL__2PRFIN20071110_230625_000000372063_00173_29786_0549.N1	10-NOV-2007 23:06:25	Bright	37.000	73	57Gam1And	2.2600	13100.	74	29786	No
198	GOM_NL__2PRFIN20071110_231028_000000352063_00173_29786_0550.N1	10-NOV-2007 23:10:28	Bright	35.000	68	18Alp Cas	2.2250	4500.0	70	29786	No
199	GOM_NL__2PRFIN20071110_231934_000000332063_00173_29786_0551.N1	10-NOV-2007 23:19:34	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	29786	No
200	GOM_NL__2PRFIN20071110_232346_000000382063_00173_29786_0552.N1	10-NOV-2007 23:23:46	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	29786	No
201	GOM_NL__2PRFIN20071110_232930_000000522063_00173_29786_0553.N1	10-NOV-2007 23:29:30	Bright	52.000	32	77Eps UMa	1.7630	11000.	104	29786	No
202	GOM_NL__2PRFIN20071110_233101_000000352063_00173_29786_0554.N1	10-NOV-2007 23:31:01	Bright	35.000	39	85Eta UMa	1.8540	24000.	70	29786	No
203	GOM_NL__2PRFIN20071110_234209_000000332063_00173_29786_0555.N1	10-NOV-2007 23:42:09	Bright	32.500	138	47Eps Vir	2.8280	4700.0	65	29786	No
204	GOM_NL__2PRFIN20071110_235216_000000382063_00173_29786_0556.N1	10-NOV-2007 23:52:16	Twilight	38.000	171	2Eps Crv	3.0010	4250.0	76	29786	No
205	GOM_NL__2PRFIN20071110_235847_000000362063_00173_29786_0557.N1	10-NOV-2007 23:58:47	Dark	36.000	64	Gam Cen	2.2000	10600.	72	29786	No

3. Quality information per product

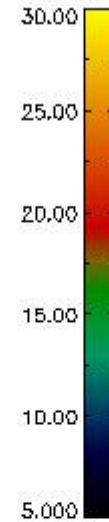
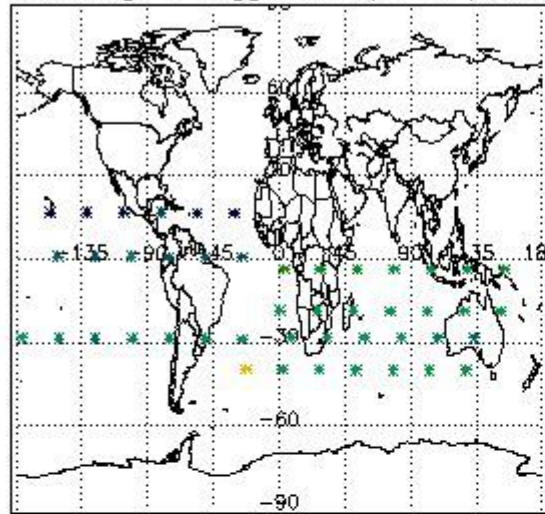
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

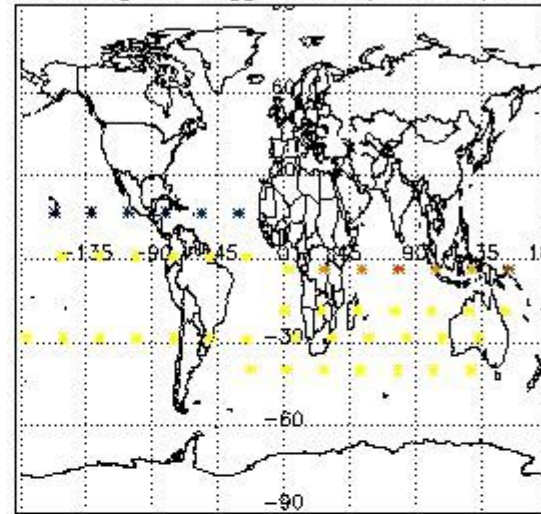


3.2 Plot quality information per product (world map)

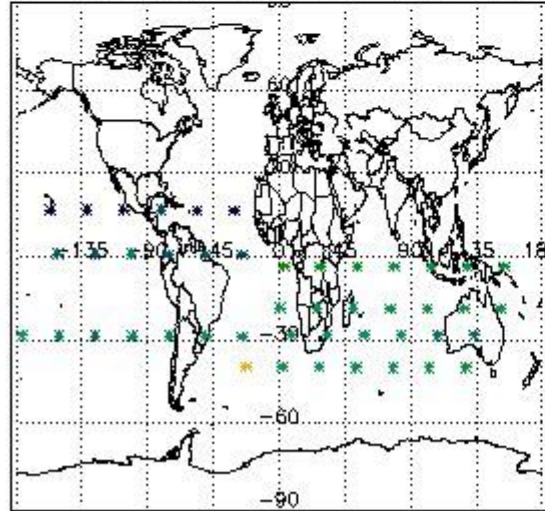
Percentage of flagged data per O3 profile



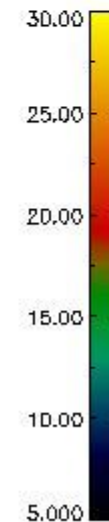
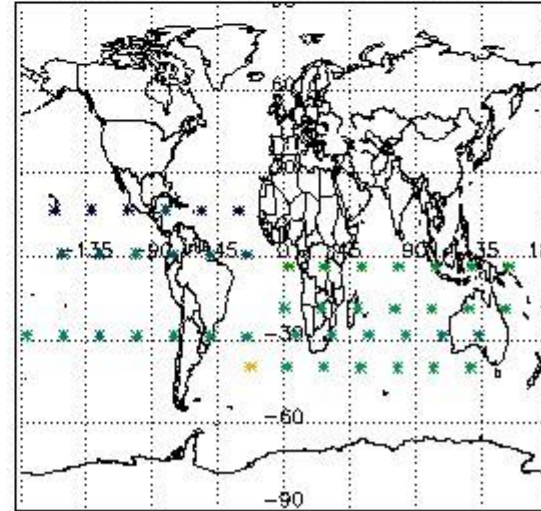
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

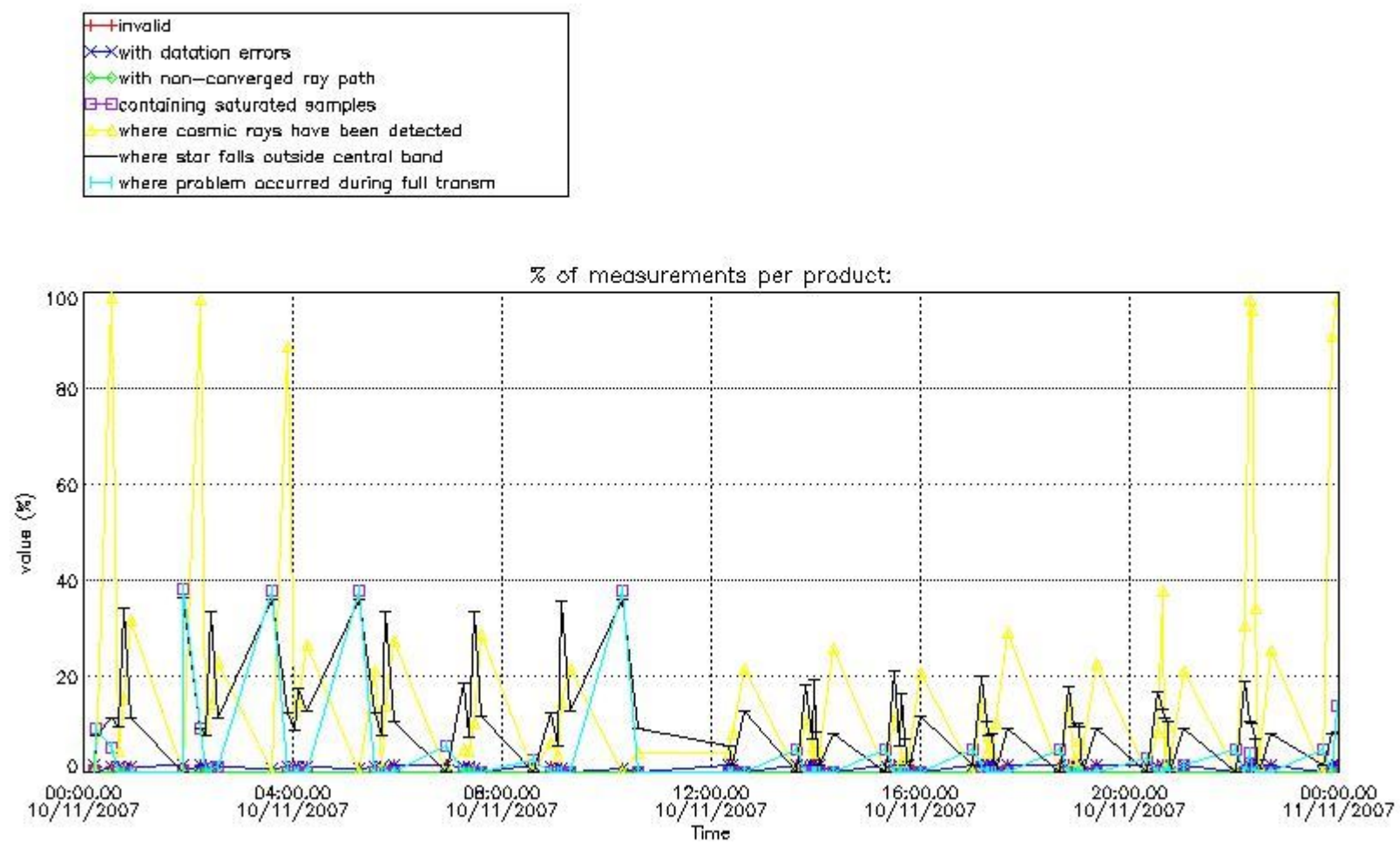


4. Level 1 quality information per product

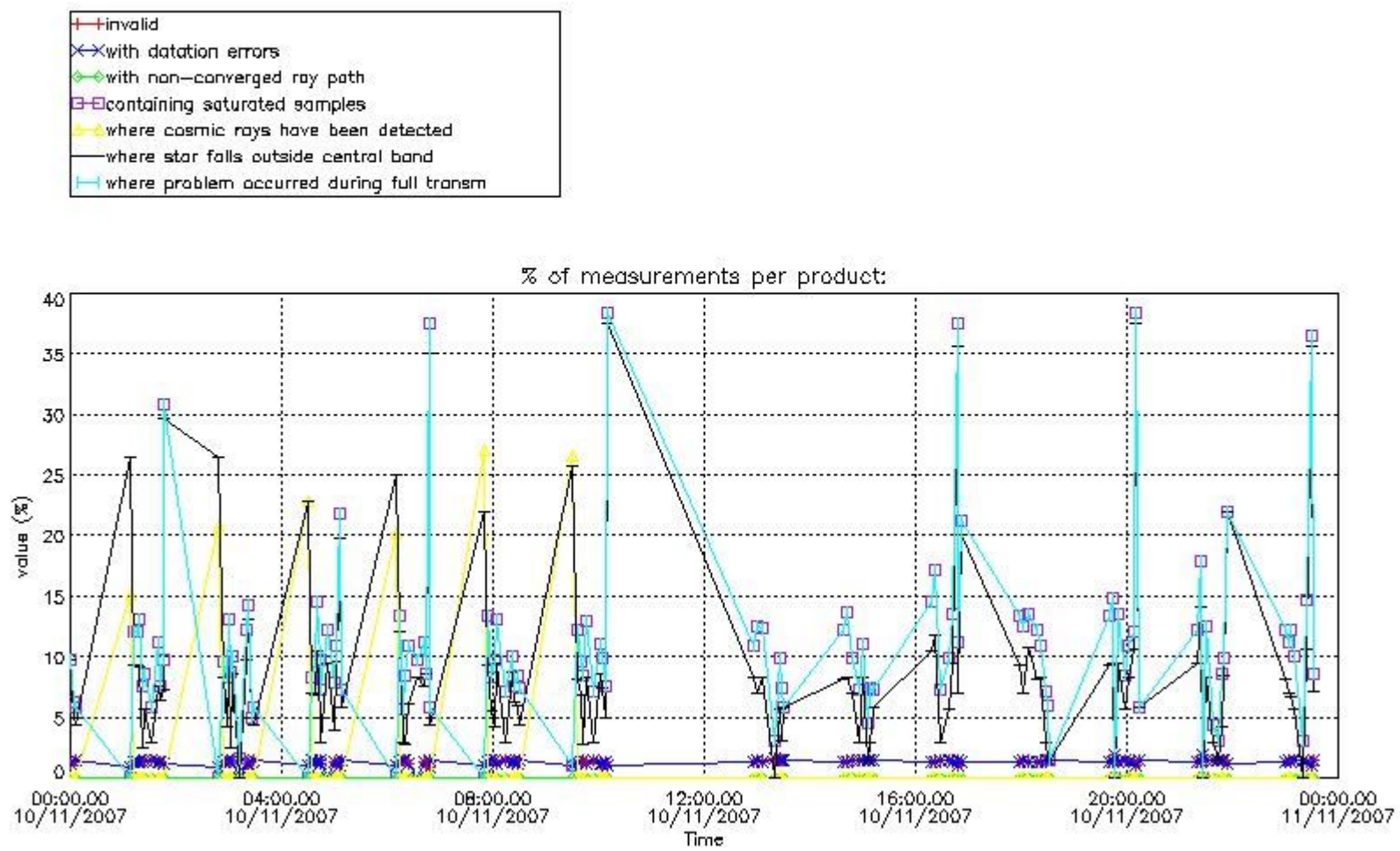
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



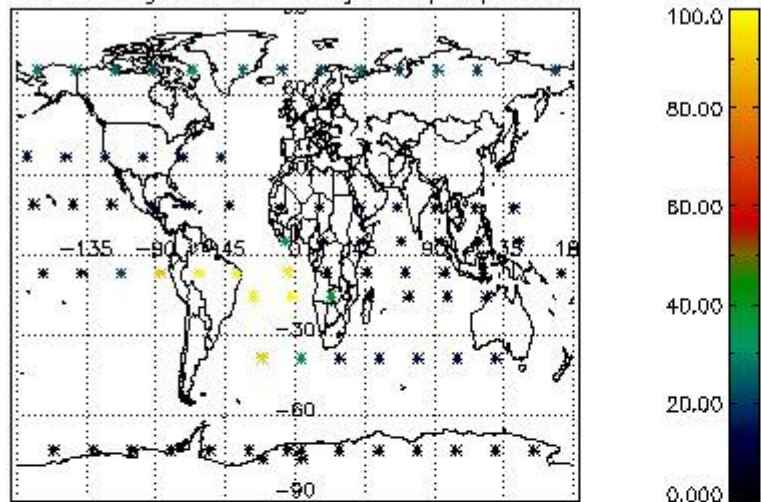
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



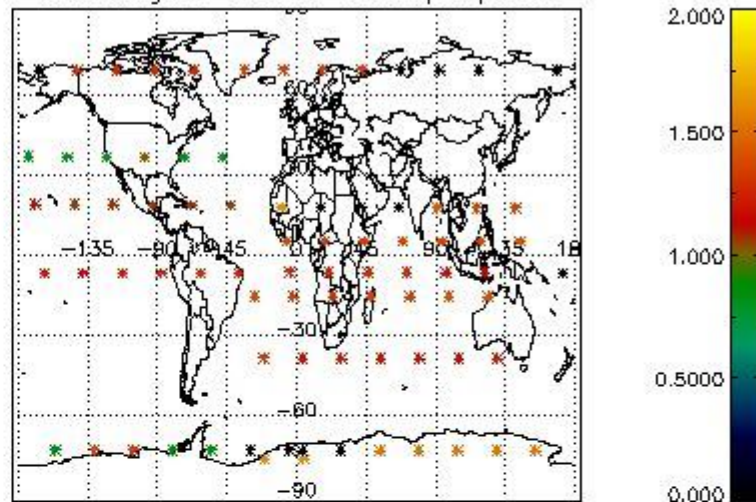
4.2 Plot quality information per product coming from level 1b processing (world map)

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

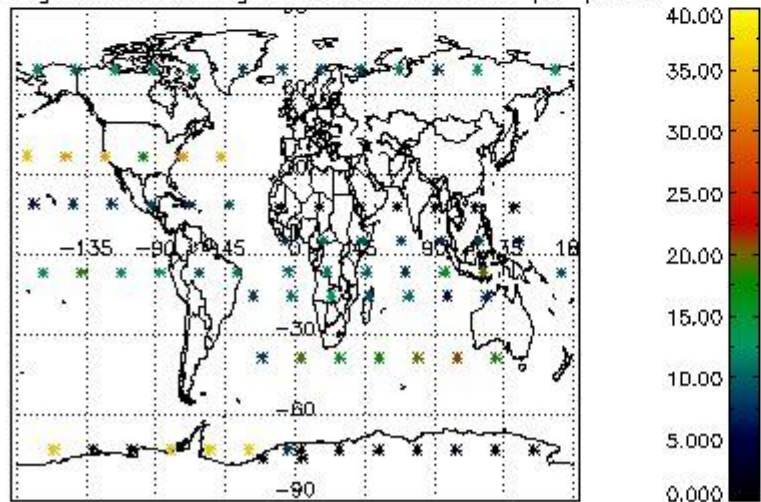
Percentage of cosmic ray hits per profile



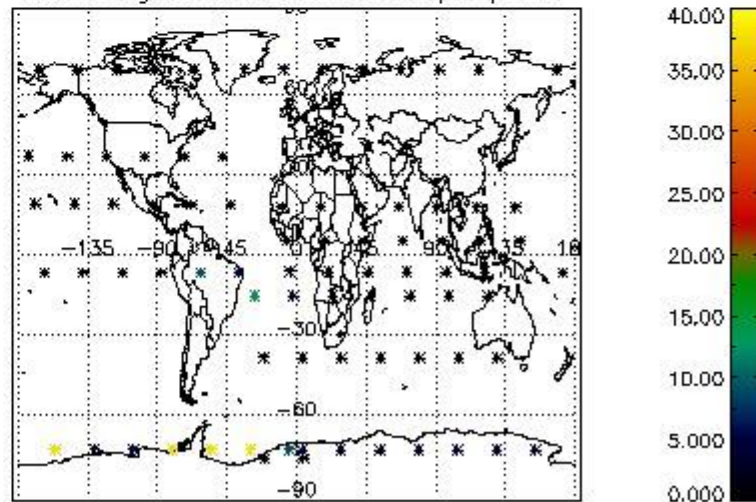
Percentage of datation errors per profile



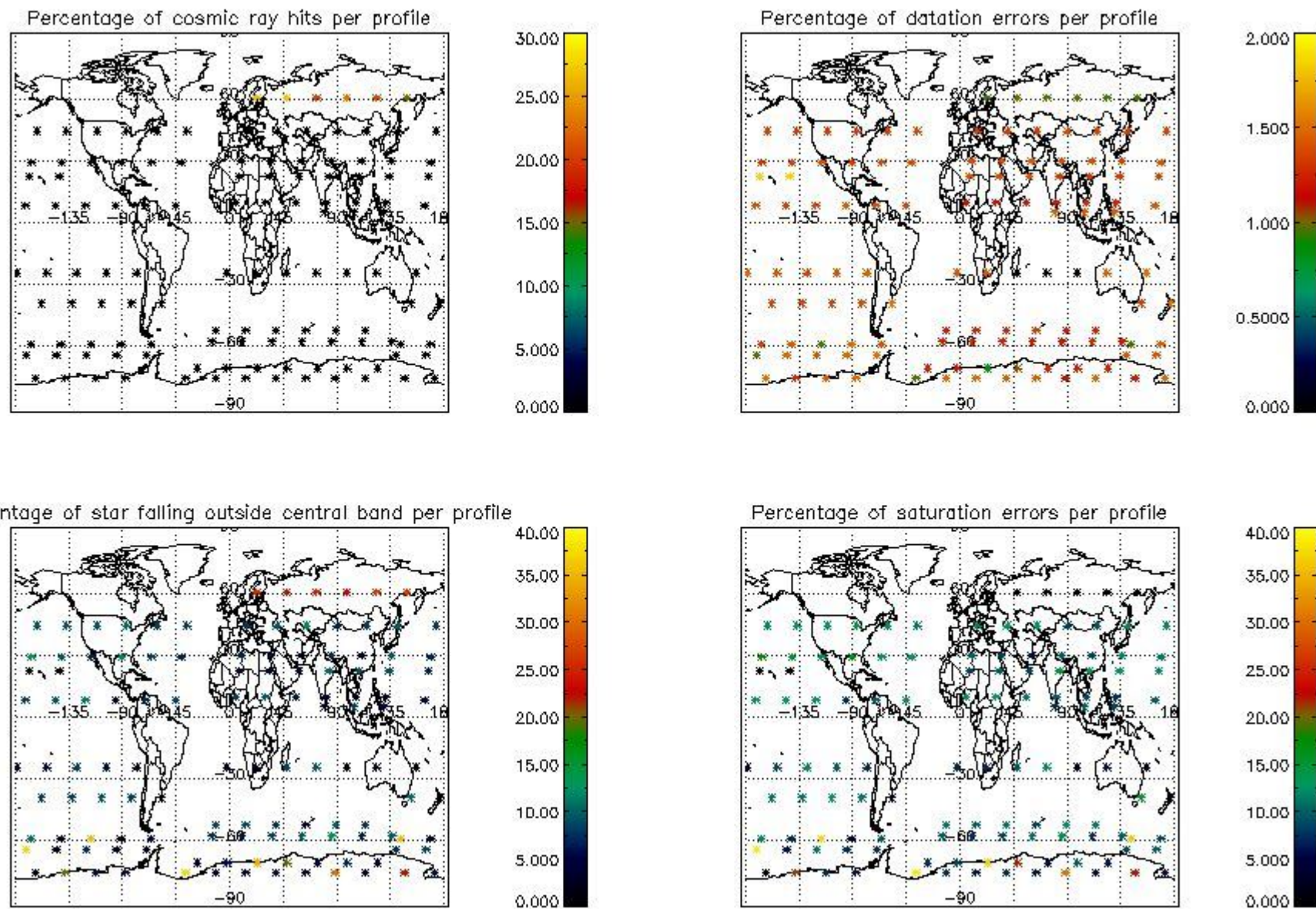
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/o3_std of the level 2 products. The table below shows the statistics for given STD ranges.

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

- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

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

- Products in dark limb illumination condition: GOM_NL__2P/NL_SUMMARY_QUALITY/obs_ill_cond=0
- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

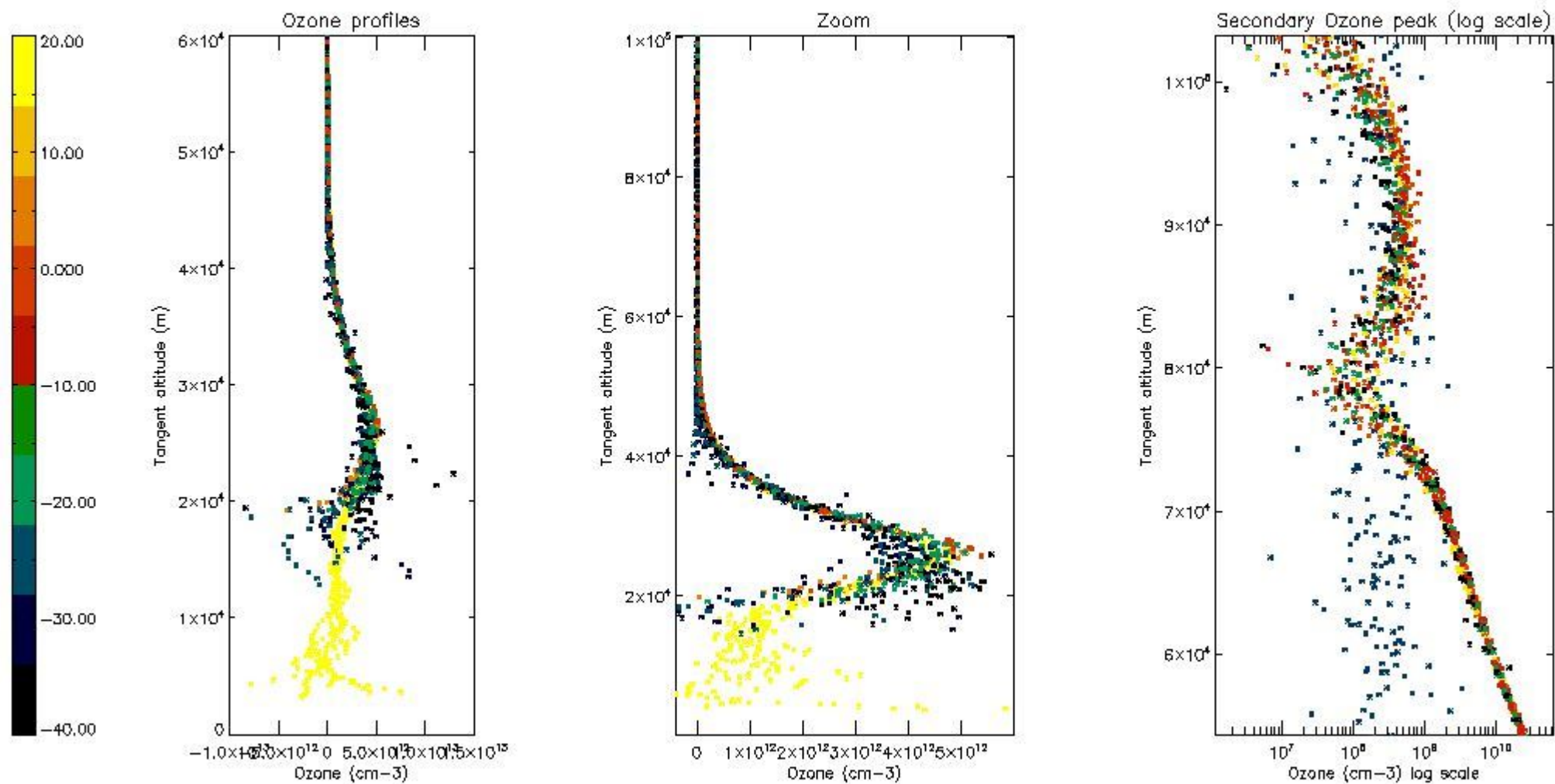
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	25
STD < 20	14

STD < 10	10
STD < 5	7

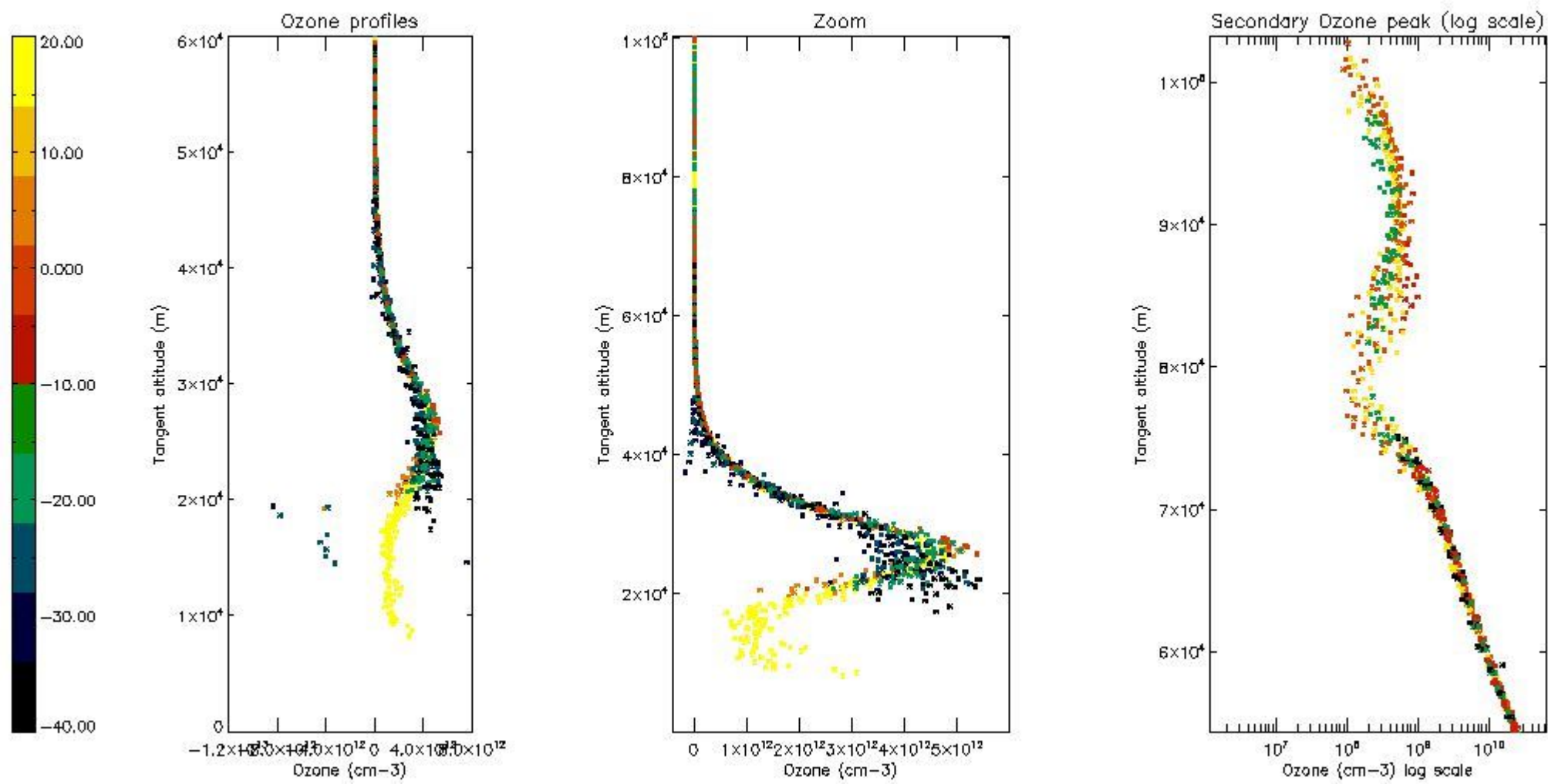
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



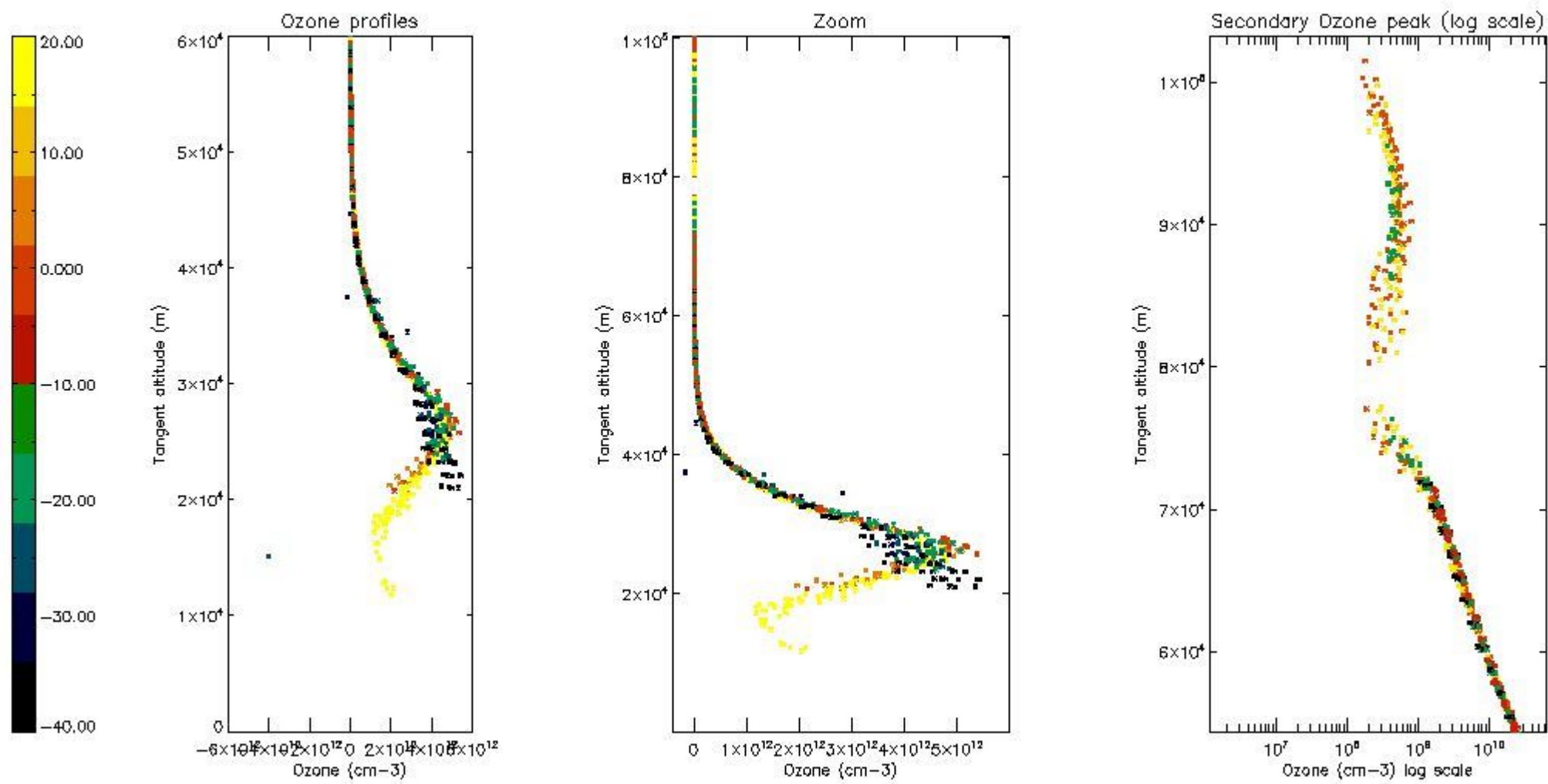
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



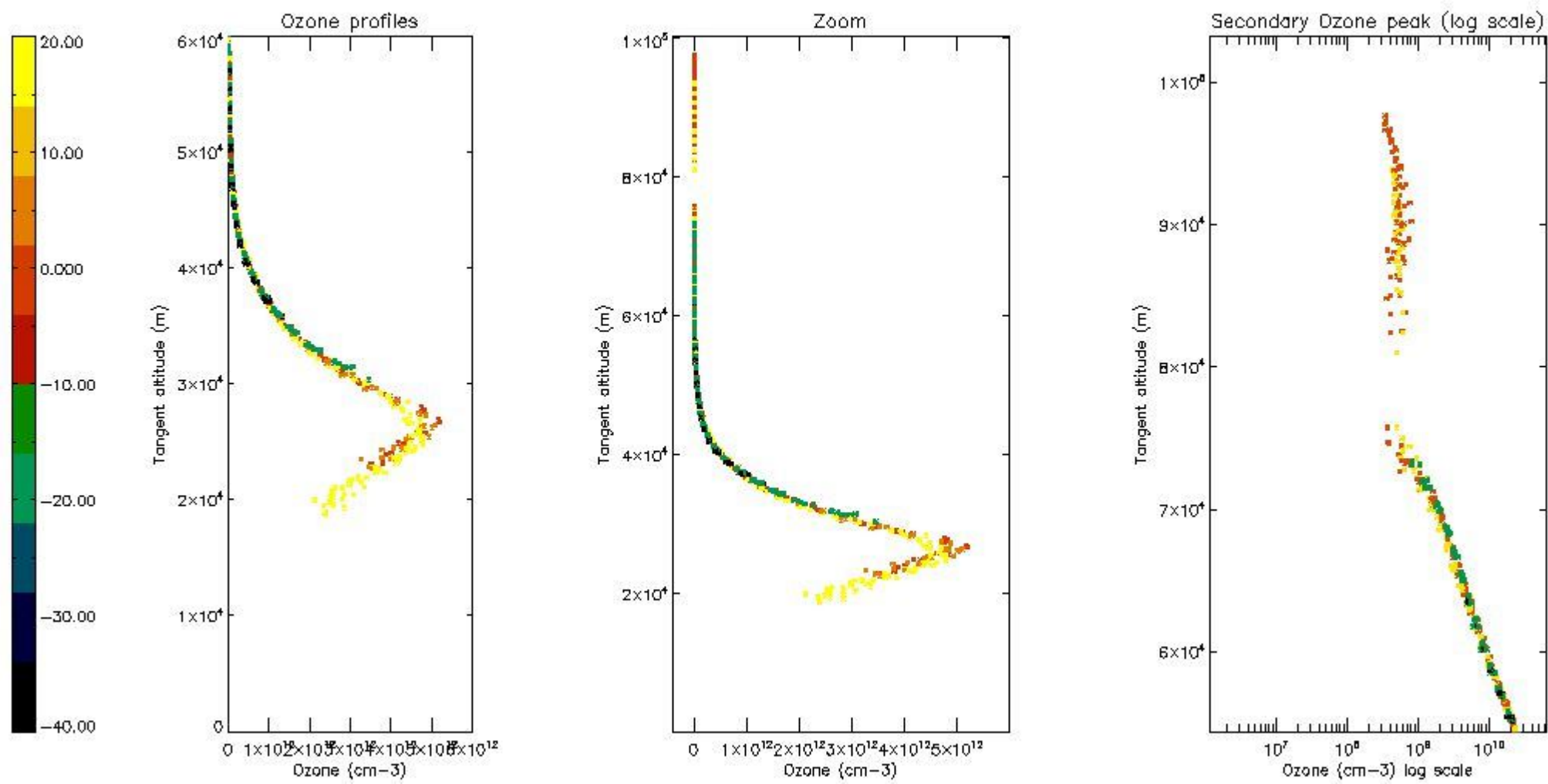
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



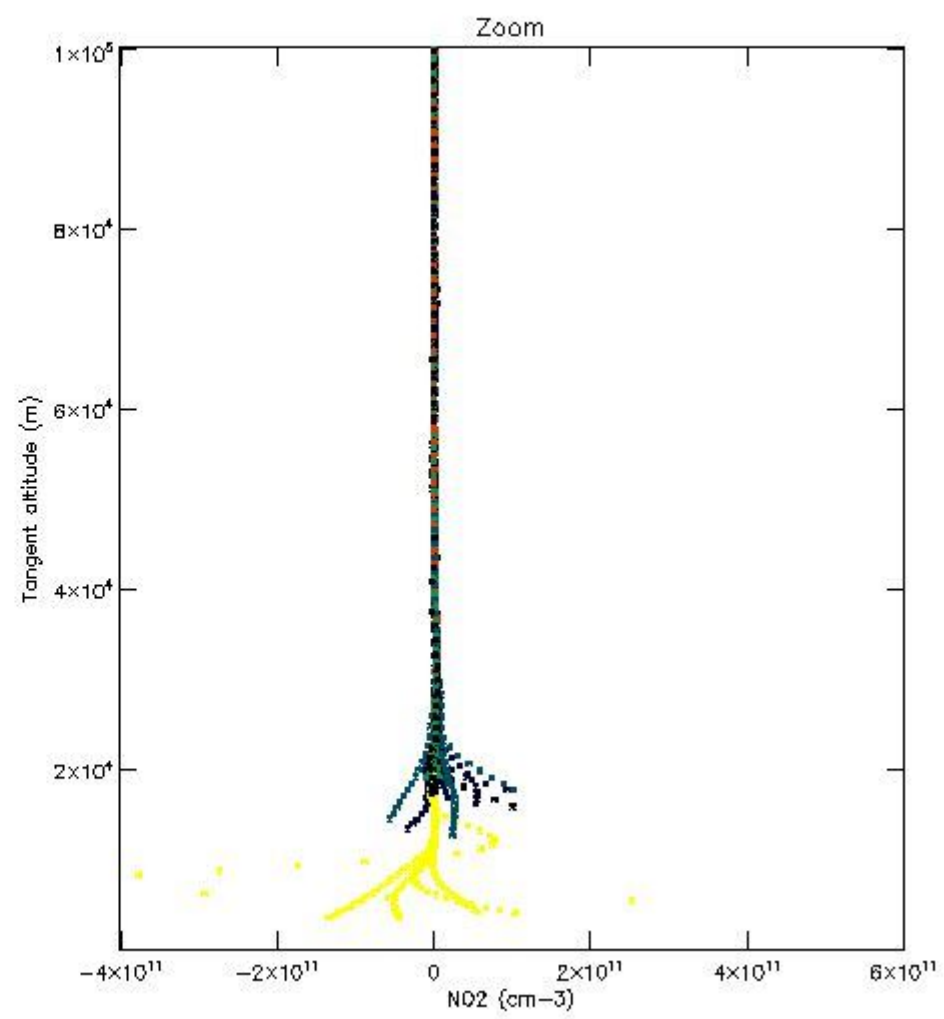
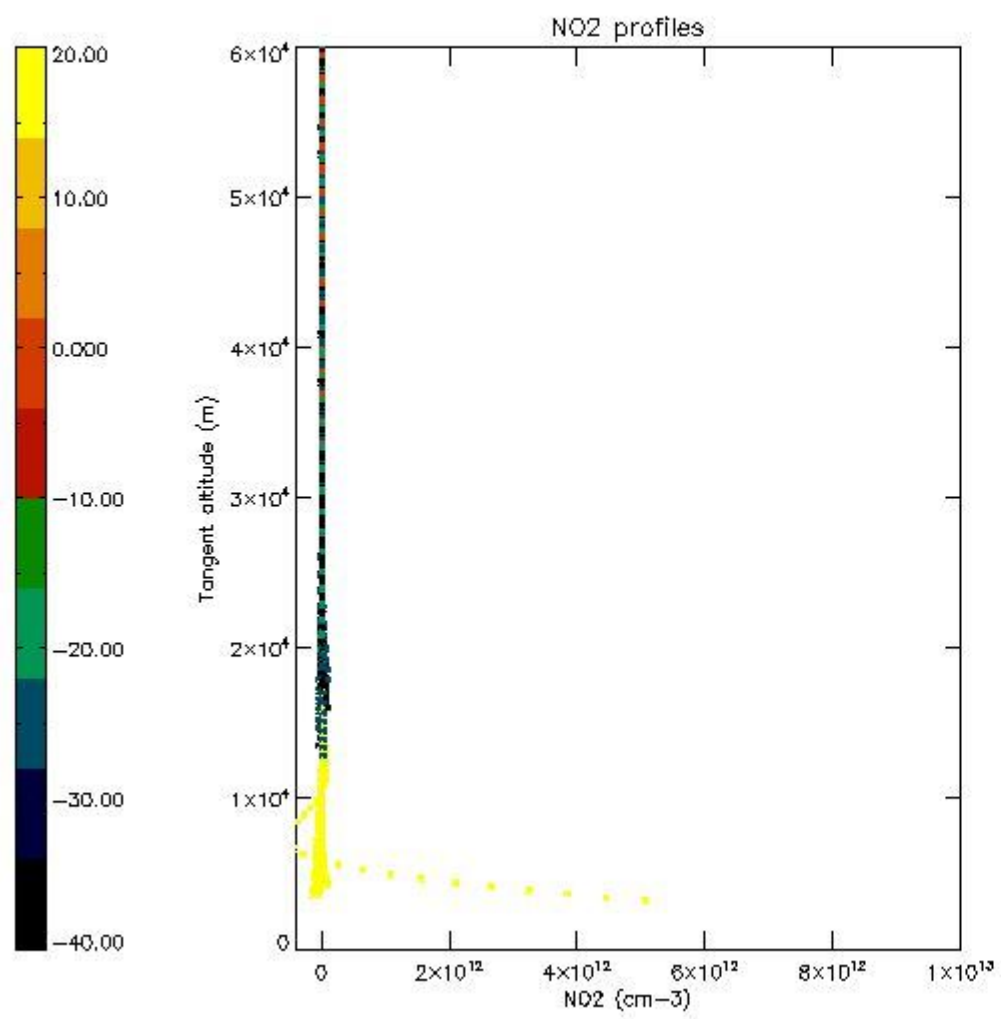
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



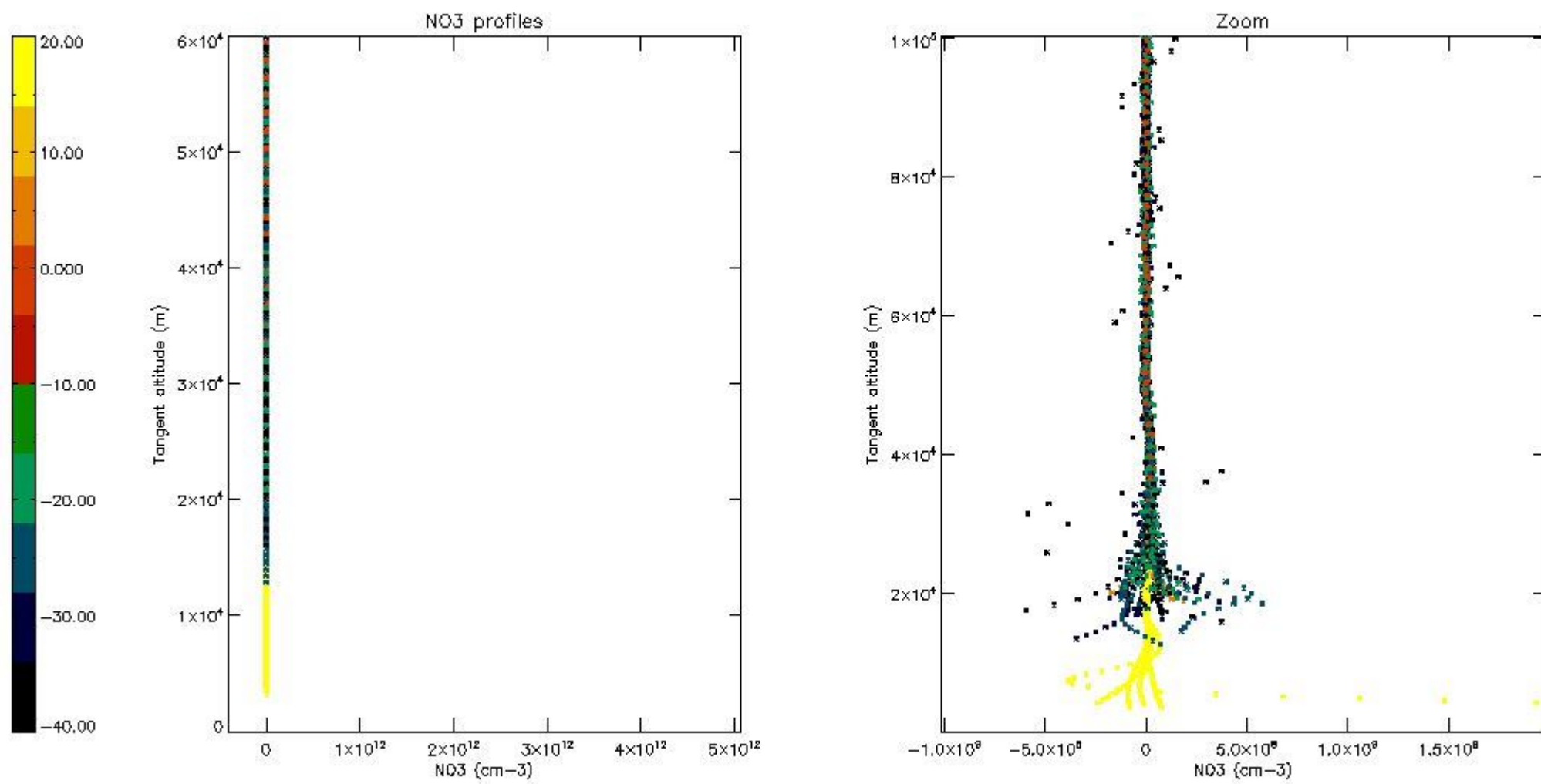
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



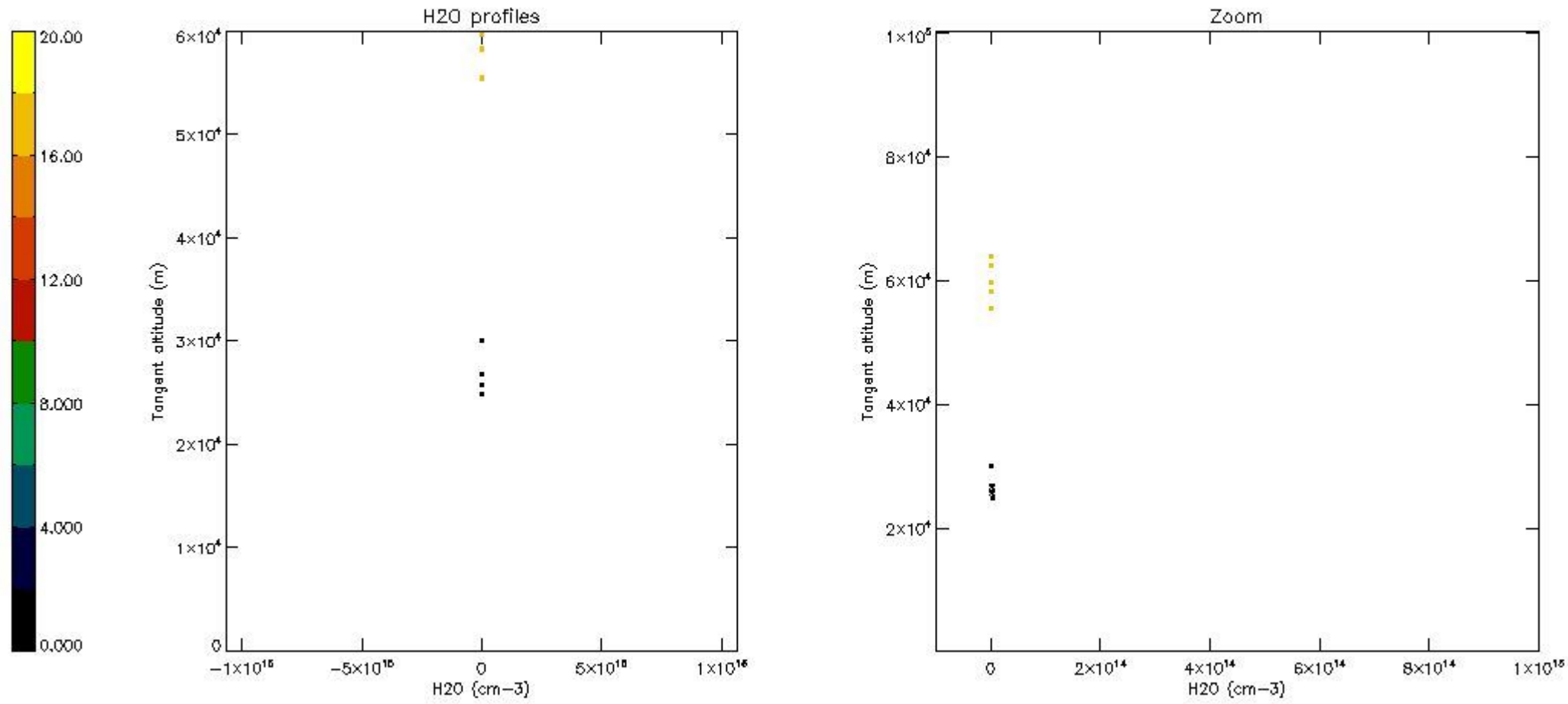
5.7 Plot NO3 profiles for all STD (dark without errors)

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	10-NOV-2007 00:00:43
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	10-NOV-2007 00:00:43
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	10-NOV-2007 00:00:43

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	23APR2013 10:52:25
Data source version	GOMOS/6.01
Start time of products	10-11-2007 (10NOV2007 00:00:00)
Stop time of products	11-11-2007 (11NOV2007 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	205
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__2PRFIN20071110_000043_000000412063_00159_29772_0307.N1	10-NOV-2007 00:00:43	Bright	41.000	82	48Bet UMa	2.3650	10600.	82	29772	No
2	GOM_NL__2PRFIN20071110_000436_000000402063_00159_29772_0308.N1	10-NOV-2007 00:04:36	Bright	40.000	174	52Psi UMa	3.0040	4400.0	80	29772	No
3	GOM_NL__2PRFIN20071110_000606_000000342063_00159_29772_0309.N1	10-NOV-2007 00:06:06	Bright	34.000	152	12Alp2CVn	2.8900	11000.	68	29772	No
4	GOM_NL__2PRFIN20071110_001236_000000312063_00159_29772_0310.N1	10-NOV-2007 00:12:36	Bright	31.000	96	68Del Leo	2.5600	9300.0	62	29772	No
5	GOM_NL__2PRFIN20071110_001348_000000392063_00159_29772_0311.N1	10-NOV-2007 00:13:48	Bright	38.500	62	94Bet Leo	2.1360	9700.0	77	29772	No
6	GOM_NL__2PRFIN20071110_003249_000000402063_00159_29772_0312.N1	10-NOV-2007 00:32:49	Dark	40.000	113	Mu Vel	2.6920	5000.0	80	29772	No
7	GOM_NL__2PRFIN20071110_003958_000000482063_00160_29773_0302.N1	10-NOV-2007 00:39:58	Dark	47.500	34	Gam2Vel	1.7930	23000.	95	29773	No
8	GOM_NL__2PRFIN20071110_004500_000000622063_00160_29773_0303.N1	10-NOV-2007 00:45:00	Dark	61.500	2	Alp Car	-0.73600	7000.0	123	29773	No
9	GOM_NL__2PRFIN20071110_005422_000000402063_00160_29773_0304.N1	10-NOV-2007 00:54:22	Straylight	39.500	157	The1Eri	2.9060	9300.0	79	29773	No
10	GOM_NL__2PRFIN20071110_010748_000000532063_00160_29773_0305.N1	10-NOV-2007 01:07:48	Twilight_stray	53.000	94	92Alp Cet	2.5260	3100.0	106	29773	No
11	GOM_NL__2PRFIN20071110_011226_000000382063_00160_29773_0306.N1	10-NOV-2007 01:12:26	Bright	37.500	105	6Bet Ari	2.6450	8900.0	75	29773	No
12	GOM_NL__2PRFIN20071110_011636_000000382063_00160_29773_0307.N1	10-NOV-2007 01:16:36	Bright	37.500	173	4Bet Tri	3.0040	8900.0	75	29773	No
13	GOM_NL__2PRFIN20071110_011840_000000382063_00160_29773_0308.N1	10-NOV-2007 01:18:40	Bright	38.000	73	57Gam1And	2.2600	13100.	76	29773	No
14	GOM_NL__2PRFIN20071110_012217_000000402063_00160_29773_0309.N1	10-NOV-2007 01:22:17	Bright	40.000	35	33Alp Per	1.7950	6250.0	80	29773	No
15	GOM_NL__2PRFIN20071110_012334_000000352063_00160_29773_0310.N1	10-NOV-2007 01:23:34	Bright	35.000	110	37Del Cas	2.6780	8900.0	70	29773	No
16	GOM_NL__2PRFIN20071110_013147_000000352063_00160_29773_0311.N1	10-NOV-2007 01:31:47	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	29773	No
17	GOM_NL__2PRFIN20071110_013941_000000402063_00160_29773_0312.N1	10-NOV-2007 01:39:41	Bright	40.000	36	50Alp UMa	1.8000	6300.0	80	29773	No
18	GOM_NL__2PRFIN20071110_014119_000000402063_00160_29773_0313.N1	10-NOV-2007 01:41:19	Bright	39.500	82	48Bet UMa	2.3650	10600.	79	29773	No
19	GOM_NL__2PRFIN20071110_014512_000000412063_00160_29773_0314.N1	10-NOV-2007 01:45:12	Bright	41.000	174	52Psi UMa	3.0040	4400.0	82	29773	No
20	GOM_NL__2PRFIN20071110_014643_000000462063_00160_29773_0315.N1	10-NOV-2007 01:46:43	Bright	45.500	152	12Alp2CVn	2.8900	11000.	91	29773	No
21	GOM_NL__2PRFIN20071110_015312_000000312063_00160_29773_0316.N1	10-NOV-2007 01:53:12	Bright	31.000	96	68Del Leo	2.5600	9300.0	62	29773	No
22	GOM_NL__2PRFIN20071110_015424_000000572063_00160_29773_0317.N1	10-NOV-2007 01:54:24	Bright	56.500	62	94Bet Leo	2.1360	9700.0	113	29773	No
23	GOM_NL__2PRFIN20071110_021326_000000392063_00160_29773_0318.N1	10-NOV-2007 02:13:26	Dark	39.000	113	Mu Vel	2.6920	5000.0	78	29773	No
24	GOM_NL__2PRFIN20071110_022035_000000472063_00161_29774_0313.N1	10-NOV-2007 02:20:35	Dark	46.500	34	Gam2Vel	1.7930	23000.	93	29774	No
25	GOM_NL__2PRFIN20071110_022536_000000602063_00161_29774_0314.N1	10-NOV-2007 02:25:36	Dark	60.000	2	Alp Car	-0.73600	7000.0	120	29774	No
26	GOM_NL__2PRFIN20071110_023459_000000402063_00161_29774_0315.N1	10-NOV-2007 02:34:59	Straylight	39.500	157	The1Eri	2.9060	9300.0	79	29774	No
27	GOM_NL__2PRFIN20071110_024824_000000532063_00161_29774_0316.N1	10-NOV-2007 02:48:24	Twilight_stray	53.000	94	92Alp Cet	2.5260	3100.0	106	29774	No
28	GOM_NL__2PRFIN20071110_025302_000000372063_00161_29774_0317.N1	10-NOV-2007 02:53:02	Bright	36.500	105	6Bet Ari	2.6450	8900.0	73	29774	No
29	GOM_NL__2PRFIN20071110_025712_000000362063_00161_29774_0318.N1	10-NOV-2007 02:57:12	Bright	36.000	173	4Bet Tri	3.0040	8900.0	72	29774	No
30	GOM_NL__2PRFIN20071110_025915_000000382063_00161_29774_0319.N1	10-NOV-2007 02:59:15	Bright	38.000	73	57Gam1And	2.2600	13100.	76	29774	No
31	GOM_NL__2PRFIN20071110_030252_000000402063_00161_29774_0320.N1	10-NOV-2007 03:02:52	Bright	40.000	35	33Alp Per	1.7950	6250.0	80	29774	No
32	GOM_NL__2PRFIN20071110_030410_000000352063_00161_29774_0321.N1	10-NOV-2007 03:04:10	Bright	35.000	110	37Del Cas	2.6780	8900.0	70	29774	No
33	GOM_NL__2PRFIN20071110_031223_000000322063_00161_29774_0322.N1	10-NOV-2007 03:12:23	Bright	31.500	49	1Alp UMi	1.9900	6300.0	63	29774	No
34	GOM_NL__2PRFIN20071110_032017_000000412063_00161_29774_0323.N1	10-NOV-2007 03:20:17	Bright	41.000	36	50Alp UMa	1.8000	6300.0	82	29774	No
35	GOM_NL__2PRFIN20071110_032155_000000422063_00161_29774_0324.N1	10-NOV-2007 03:21:55	Bright	42.000	82	48Bet UMa	2.3650	10600.	84	29774	No
36	GOM_NL__2PRFIN20071110_032548_000000402063_00161_29774_0325.N1	10-NOV-2007 03:25:48	Bright	40.000	174	52Psi UMa	3.0040	4400.0	80	29774	No
37	GOM_NL__2PRFIN20071110_032718_000000352063_00161_29774_0326.N1	10-NOV-2007 03:27:18	Bright	34.500	152	12Alp2CVn	2.8900	11000.	69	29774	No
38	GOM_NL__2PRFIN20071110_033500_000000572063_00161_29774_0327.N1	10-NOV-2007 03:35:00	Bright	57.000	62	94Bet Leo	2.1360	9700.0	114	29774	No
39	GOM_NL__2PRFIN20071110_035403_000000412063_00161_29774_0328.N1	10-NOV-2007 03:54:03	Dark	40.500	113	Mu Vel	2.6920	5000.0	81	29774	No
40	GOM_NL__2PRFIN20071110_040112_000000472063_00162_29775_0340.N1	10-NOV-2007 04:01:12	Dark	46.500	34	Gam2Vel	1.7930	23000.	93	29775	No
41	GOM_NL__2PRFIN20071110_040613_000000492063_00162_29775_0341.N1	10-NOV-2007 04:06:13	Dark	48.500	2	Alp Car	-0.73600	7000.0	97	29775	No
42	GOM_NL__2PRFIN20071110_041535_000000402063_00162_29775_0342.N1	10-NOV-2007 04:15:35	Straylight	39.500	157	The1Eri	2.9060	9300.0	79	29775	No

43	GOM_NL__2PRFIN20071110_042900_000000512063_00162_29775_0343.N1	10-NOV-2007 04:29:00	Twilight	50.500	94	92Alp Cet	2.5260	3100.0	101	29775	No
44	GOM_NL__2PRFIN20071110_043338_000000362063_00162_29775_0344.N1	10-NOV-2007 04:33:38	Bright	36.000	105	6Bet Ari	2.6450	8900.0	72	29775	No
45	GOM_NL__2PRFIN20071110_043748_000000372063_00162_29775_0345.N1	10-NOV-2007 04:37:48	Bright	36.500	173	4Bet Tri	3.0040	8900.0	73	29775	No
46	GOM_NL__2PRFIN20071110_043951_000000382063_00162_29775_0346.N1	10-NOV-2007 04:39:51	Bright	38.000	73	57Gam1And	2.2600	13100.	76	29775	No
47	GOM_NL__2PRFIN20071110_044328_000000412063_00162_29775_0347.N1	10-NOV-2007 04:43:28	Bright	41.000	35	33Alp Per	1.7950	6250.0	82	29775	No
48	GOM_NL__2PRFIN20071110_044446_000000352063_00162_29775_0348.N1	10-NOV-2007 04:44:46	Bright	34.500	110	37Del Cas	2.6780	8900.0	69	29775	No
49	GOM_NL__2PRFIN20071110_045259_000000372063_00162_29775_0349.N1	10-NOV-2007 04:52:59	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	29775	No
50	GOM_NL__2PRFIN20071110_050053_000000382063_00162_29775_0350.N1	10-NOV-2007 05:00:53	Bright	38.000	36	50Alp UMa	1.8000	6300.0	76	29775	No
51	GOM_NL__2PRFIN20071110_050231_000000422063_00162_29775_0351.N1	10-NOV-2007 05:02:31	Bright	41.500	82	48Bet UMa	2.3650	10600.	83	29775	No
52	GOM_NL__2PRFIN20071110_050624_000000482063_00162_29775_0352.N1	10-NOV-2007 05:06:24	Bright	48.000	174	52Psi UMa	3.0040	4400.0	96	29775	No
53	GOM_NL__2PRFIN20071110_050755_000000352063_00162_29775_0353.N1	10-NOV-2007 05:07:55	Bright	34.500	152	12Alp2CVn	2.8900	11000.	69	29775	No
54	GOM_NL__2PRFIN20071110_051537_000000572063_00162_29775_0354.N1	10-NOV-2007 05:15:37	Bright	57.000	62	94Bet Leo	2.1360	9700.0	114	29775	No
55	GOM_NL__2PRFIN20071110_053439_000000412063_00162_29775_0355.N1	10-NOV-2007 05:34:39	Dark	40.500	113	Mu Vel	2.6920	5000.0	81	29775	No
56	GOM_NL__2PRFIN20071110_054149_000000462063_00163_29776_0344.N1	10-NOV-2007 05:41:49	Dark	46.000	34	Gam2Vel	1.7930	23000.	92	29776	No
57	GOM_NL__2PRFIN20071110_054650_000000612063_00163_29776_0345.N1	10-NOV-2007 05:46:50	Dark	61.000	2	Alp Car	-0.73600	7000.0	122	29776	No
58	GOM_NL__2PRFIN20071110_055611_000000392063_00163_29776_0346.N1	10-NOV-2007 05:56:11	Straylight	38.500	157	The1Eri	2.9060	9300.0	77	29776	No
59	GOM_NL__2PRFIN20071110_060936_000000522063_00163_29776_0347.N1	10-NOV-2007 06:09:36	Twilight	52.000	94	92Alp Cet	2.5260	3100.0	104	29776	No
60	GOM_NL__2PRFIN20071110_061414_000000382063_00163_29776_0348.N1	10-NOV-2007 06:14:14	Bright	37.500	105	6Bet Ari	2.6450	8900.0	75	29776	No
61	GOM_NL__2PRFIN20071110_061824_000000352063_00163_29776_0349.N1	10-NOV-2007 06:18:24	Bright	35.000	173	4Bet Tri	3.0040	8900.0	70	29776	No
62	GOM_NL__2PRFIN20071110_062027_000000362063_00163_29776_0350.N1	10-NOV-2007 06:20:27	Bright	35.500	73	57Gam1And	2.2600	13100.	71	29776	No
63	GOM_NL__2PRFIN20071110_062403_000000412063_00163_29776_0351.N1	10-NOV-2007 06:24:03	Bright	41.000	35	33Alp Per	1.7950	6250.0	82	29776	No
64	GOM_NL__2PRFIN20071110_063335_000000362063_00163_29776_0352.N1	10-NOV-2007 06:33:35	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	29776	No
65	GOM_NL__2PRFIN20071110_064129_000000402063_00163_29776_0353.N1	10-NOV-2007 06:41:29	Bright	40.000	36	50Alp UMa	1.8000	6300.0	80	29776	No
66	GOM_NL__2PRFIN20071110_064306_000000412063_00163_29776_0354.N1	10-NOV-2007 06:43:06	Bright	40.500	82	48Bet UMa	2.3650	10600.	81	29776	No
67	GOM_NL__2PRFIN20071110_064700_000000602063_00163_29776_0355.N1	10-NOV-2007 06:47:00	Bright	60.000	174	52Psi UMa	3.0040	4400.0	120	29776	No
68	GOM_NL__2PRFIN20071110_064831_000000342063_00163_29776_0356.N1	10-NOV-2007 06:48:31	Bright	34.000	152	12Alp2CVn	2.8900	11000.	68	29776	No
69	GOM_NL__2PRFIN20071110_065613_000000382063_00163_29776_0357.N1	10-NOV-2007 06:56:13	Bright	37.500	62	94Bet Leo	2.1360	9700.0	75	29776	No
70	GOM_NL__2PRFIN20071110_071516_000000442063_00163_29776_0358.N1	10-NOV-2007 07:15:16	Dark	43.500	113	Mu Vel	2.6920	5000.0	87	29776	No
71	GOM_NL__2PRFIN20071110_072226_000000472063_00164_29777_0379.N1	10-NOV-2007 07:22:26	Dark	47.000	34	Gam2Vel	1.7930	23000.	94	29777	No
72	GOM_NL__2PRFIN20071110_072727_000000602063_00164_29777_0380.N1	10-NOV-2007 07:27:27	Dark	60.000	2	Alp Car	-0.73600	7000.0	120	29777	No
73	GOM_NL__2PRFIN20071110_073648_000000392063_00164_29777_0381.N1	10-NOV-2007 07:36:48	Straylight	38.500	157	The1Eri	2.9060	9300.0	77	29777	No
74	GOM_NL__2PRFIN20071110_075011_000000502063_00164_29777_0382.N1	10-NOV-2007 07:50:11	Twilight	50.000	94	92Alp Cet	2.5260	3100.0	100	29777	No
75	GOM_NL__2PRFIN20071110_075450_000000382063_00164_29777_0383.N1	10-NOV-2007 07:54:50	Bright	37.500	105	6Bet Ari	2.6450	8900.0	75	29777	No
76	GOM_NL__2PRFIN20071110_075859_000000362063_00164_29777_0384.N1	10-NOV-2007 07:58:59	Bright	36.000	173	4Bet Tri	3.0040	8900.0	72	29777	No
77	GOM_NL__2PRFIN20071110_080103_000000362063_00164_29777_0385.N1	10-NOV-2007 08:01:03	Bright	36.000	73	57Gam1And	2.2600	13100.	72	29777	No
78	GOM_NL__2PRFIN20071110_080439_000000422063_00164_29777_0386.N1	10-NOV-2007 08:04:39	Bright	42.000	35	33Alp Per	1.7950	6250.0	84	29777	No
79	GOM_NL__2PRFIN20071110_081411_000000352063_00164_29777_0387.N1	10-NOV-2007 08:14:11	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	29777	No
80	GOM_NL__2PRFIN20071110_082204_000000402063_00164_29777_0388.N1	10-NOV-2007 08:22:04	Bright	40.000	36	50Alp UMa	1.8000	6300.0	80	29777	No
81	GOM_NL__2PRFIN20071110_082342_000000402063_00164_29777_0389.N1	10-NOV-2007 08:23:42	Bright	40.000	82	48Bet UMa	2.3650	10600.	80	29777	No
82	GOM_NL__2PRFIN20071110_082736_000000422063_00164_29777_0390.N1	10-NOV-2007 08:27:36	Bright	41.500	174	52Psi UMa	3.0040	4400.0	83	29777	No
83	GOM_NL__2PRFIN20071110_082907_000000342063_00164_29777_0391.N1	10-NOV-2007 08:29:07	Bright	34.000	152	12Alp2CVn	2.8900	11000.	68	29777	No
84	GOM_NL__2PRFIN20071110_083649_000000372063_00164_29777_0392.N1	10-NOV-2007 08:36:49	Bright	37.000	62	94Bet Leo	2.1360	9700.0	74	29777	No
85	GOM_NL__2PRFIN20071110_085552_000000412063_00164_29777_0393.N1	10-NOV-2007 08:55:52	Dark	41.000	113	Mu Vel	2.6920	5000.0	82	29777	No
86	GOM_NL__2PRFIN20071110_090302_000000452063_00165_29778_0391.N1	10-NOV-2007 09:03:02	Dark	45.000	34	Gam2Vel	1.7930	23000.	90	29778	No
87	GOM_NL__2PRFIN20071110_090803_000000622063_00165_29778_0392.N1	10-NOV-2007 09:08:03	Dark	62.000	2	Alp Car	-0.73600	7000.0	124	29778	No
88	GOM_NL__2PRFIN20071110_091724_000000402063_00165_29778_0393.N1	10-NOV-2007 09:17:24	Straylight	39.500	157	The1Eri	2.9060	9300.0	79	29778	No
89	GOM_NL__2PRFIN20071110_093047_000000532063_00165_29778_0394.N1	10-NOV-2007 09:30:47	Twilight	52.500	94	92Alp Cet	2.5260	3100.0	105	29778	No
90	GOM_NL__2PRFIN20071110_093526_000000372063_00165_29778_0395.N1	10-NOV-2007 09:35:26	Bright	37.000	105	6Bet Ari	2.6450	8900.0	74	29778	No
91	GOM_NL__2PRFIN20071110_093935_000000372063_00165_29778_0396.N1	10-NOV-2007 09:39:35	Bright	36.500	173	4Bet Tri	3.0040	8900.0	73	29778	No
92	GOM_NL__2PRFIN20071110_094139_000000362063_00165_29778_0397.N1	10-NOV-2007 09:41:39	Bright	35.500	73	57Gam1And	2.2600	13100.	71	29778	No
93	GOM_NL__2PRFIN20071110_094514_000000432063_00165_29778_0398.N1	10-NOV-2007 09:45:14	Bright	42.500	35	33Alp Per	1.7950	6250.0	85	29778	No
94	GOM_NL__2PRFIN20071110_095446_000000352063_00165_29778_0399.N1	10-NOV-2007 09:54:46	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	29778	No
95	GOM_NL__2PRFIN20071110_100240_000000412063_00165_29778_0400.N1	10-NOV-2007 10:02:40	Bright	40.500	36	50Alp UMa	1.8000	6300.0	81	29778	No
96	GOM_NL__2PRFIN20071110_100418_000000412063_00165_29778_0401.N1	10-NOV-2007 10:04:18	Bright	40.500	82	48Bet UMa	2.3650	10600.	81	29778	No
97	GOM_NL__2PRFIN20071110_100812_000000402063_00165_29778_0402.N1	10-NOV-2007 10:08:12	Bright	40.000	174	52Psi UMa	3.0040	4400.0	80	29778	No
98	GOM_NL__2PRFIN20071110_100943_000000522063_00165_29778_0403.N1	10-NOV-2007 10:09:43	Bright	52.000	152	12Alp2CVn	2.8900	11000.	104	29778	No
99	GOM_NL__2PRFIN20071110_101725_000000572063_00165_29778_0404.N1	10-NOV-2007 10:17:25	Bright	57.000	62	94Bet Leo	2.1360	9700.0	114	29778	No
100	GOM_NL__2PRFIN20071110_103628_000000392063_00165_29778_0405.N1	10-NOV-2007 10:36:28	Dark	38.500	113	Mu Vel	2.6920	5000.0	77	29778	No
101	GOM_NL__2PRFIN20071110_122019_000000362063_00167_29780_0415.N1	10-NOV-2007 12:20:19	Dark	36.000	124	The Car	2.7640	30000.	72	29780	No

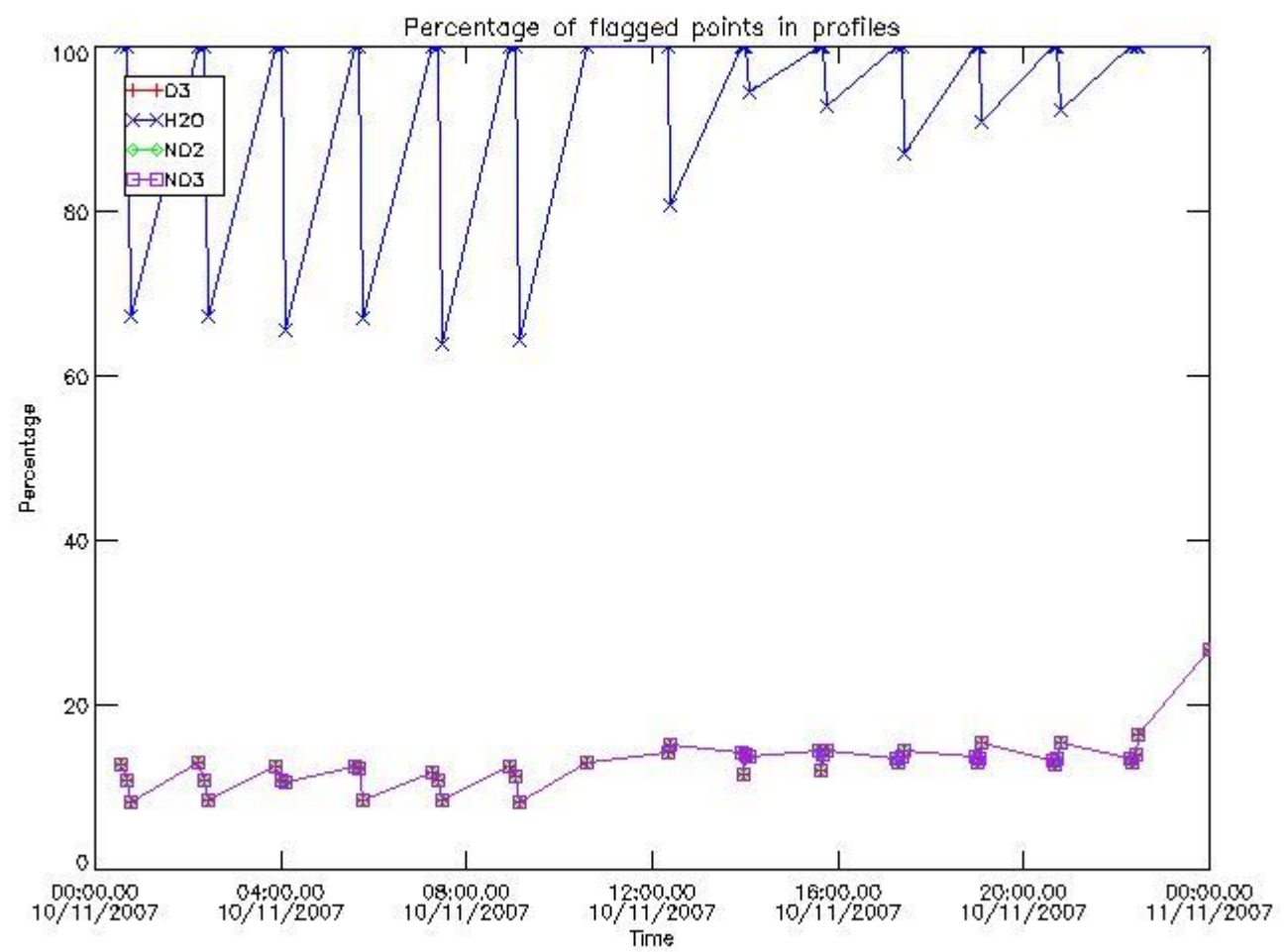
102	GOM_NL__2PRFIN20071110_122351_000000372063_00167_29780_0416.N1	10-NOV-2007 12:23:51	Dark	37.000	41	Eps Car	1.8600	4100.0	74	29780	No
103	GOM_NL__2PRFIN20071110_123836_000000402063_00167_29780_0417.N1	10-NOV-2007 12:38:36	Straylight	39.500	157	The1Eri	2.9060	9300.0	79	29780	No
104	GOM_NL__2PRFIN20071110_125638_000000372063_00167_29780_0418.N1	10-NOV-2007 12:56:38	Bright	36.500	105	6Bet Ari	2.6450	8900.0	73	29780	No
105	GOM_NL__2PRFIN20071110_130054_000000362063_00167_29780_0419.N1	10-NOV-2007 13:00:54	Bright	36.000	53	43Bet And	2.0480	3300.0	72	29780	No
106	GOM_NL__2PRFIN20071110_130652_000000372063_00167_29780_0420.N1	10-NOV-2007 13:06:52	Bright	36.500	68	18Alp Cas	2.2250	4500.0	73	29780	No
107	GOM_NL__2PRFIN20071110_132009_000000332063_00167_29780_0421.N1	10-NOV-2007 13:20:09	Bright	32.500	60	7Bet UMi	2.0810	3950.0	65	29780	No
108	GOM_NL__2PRFIN20071110_132554_000000362063_00167_29780_0422.N1	10-NOV-2007 13:25:54	Bright	35.500	32	77Eps UMa	1.7630	11000.	71	29780	No
109	GOM_NL__2PRFIN20071110_132724_000000342063_00167_29780_0423.N1	10-NOV-2007 13:27:24	Bright	33.500	39	85Eta UMa	1.8540	24000.	67	29780	No
110	GOM_NL__2PRFIN20071110_133055_000000342063_00167_29780_0424.N1	10-NOV-2007 13:30:55	Bright	34.000	152	12Alp2CVn	2.8900	11000.	68	29780	No
111	GOM_NL__2PRFIN20071110_133832_000000332063_00167_29780_0425.N1	10-NOV-2007 13:38:32	Bright	32.500	138	47Eps Vir	2.8280	4700.0	65	29780	No
112	GOM_NL__2PRFIN20071110_134838_000000422063_00167_29780_0426.N1	10-NOV-2007 13:48:38	Twilight	41.500	171	2Eps Crv	3.0010	4250.0	83	29780	No
113	GOM_NL__2PRFIN20071110_135511_000000362063_00167_29780_0427.N1	10-NOV-2007 13:55:11	Dark	36.000	64	Gam Cen	2.2000	10600.	72	29780	No
114	GOM_NL__2PRFIN20071110_135741_000000442063_00167_29780_0428.N1	10-NOV-2007 13:57:41	Dark	44.000	113	Mu Vel	2.6920	5000.0	88	29780	No
115	GOM_NL__2PRFIN20071110_140056_000000372063_00168_29781_0438.N1	10-NOV-2007 14:00:56	Dark	36.500	124	The Car	2.7640	30000.	73	29781	No
116	GOM_NL__2PRFIN20071110_140428_000000372063_00168_29781_0439.N1	10-NOV-2007 14:04:28	Dark	37.000	41	Eps Car	1.8600	4100.0	74	29781	No
117	GOM_NL__2PRFIN20071110_141912_000000372063_00168_29781_0440.N1	10-NOV-2007 14:19:12	Straylight	37.000	157	The1Eri	2.9060	9300.0	74	29781	No
118	GOM_NL__2PRFIN20071110_143714_000000372063_00168_29781_0441.N1	10-NOV-2007 14:37:14	Bright	37.000	105	6Bet Ari	2.6450	8900.0	74	29781	No
119	GOM_NL__2PRFIN20071110_144130_000000372063_00168_29781_0442.N1	10-NOV-2007 14:41:30	Bright	36.500	53	43Bet And	2.0480	3300.0	73	29781	No
120	GOM_NL__2PRFIN20071110_144728_000000362063_00168_29781_0443.N1	10-NOV-2007 14:47:28	Bright	35.500	68	18Alp Cas	2.2250	4500.0	71	29781	No
121	GOM_NL__2PRFIN20071110_145634_000000352063_00168_29781_0444.N1	10-NOV-2007 14:56:34	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	29781	No
122	GOM_NL__2PRFIN20071110_150045_000000362063_00168_29781_0445.N1	10-NOV-2007 15:00:45	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	29781	No
123	GOM_NL__2PRFIN20071110_150630_000000342063_00168_29781_0446.N1	10-NOV-2007 15:06:30	Bright	33.500	32	77Eps UMa	1.7630	11000.	67	29781	No
124	GOM_NL__2PRFIN20071110_150800_000000342063_00168_29781_0447.N1	10-NOV-2007 15:08:00	Bright	34.000	39	85Eta UMa	1.8540	24000.	68	29781	No
125	GOM_NL__2PRFIN20071110_151131_000000352063_00168_29781_0448.N1	10-NOV-2007 15:11:31	Bright	34.500	152	12Alp2CVn	2.8900	11000.	69	29781	No
126	GOM_NL__2PRFIN20071110_151908_000000332063_00168_29781_0449.N1	10-NOV-2007 15:19:08	Bright	32.500	138	47Eps Vir	2.8280	4700.0	65	29781	No
127	GOM_NL__2PRFIN20071110_152915_000000432063_00168_29781_0450.N1	10-NOV-2007 15:29:15	Twilight	43.000	171	2Eps Crv	3.0010	4250.0	86	29781	No
128	GOM_NL__2PRFIN20071110_153547_000000362063_00168_29781_0451.N1	10-NOV-2007 15:35:47	Dark	35.500	64	Gam Cen	2.2000	10600.	71	29781	No
129	GOM_NL__2PRFIN20071110_153818_000000432063_00168_29781_0452.N1	10-NOV-2007 15:38:18	Dark	42.500	113	Mu Vel	2.6920	5000.0	85	29781	No
130	GOM_NL__2PRFIN20071110_154132_000000372063_00169_29782_0462.N1	10-NOV-2007 15:41:32	Dark	36.500	124	The Car	2.7640	30000.	73	29782	No
131	GOM_NL__2PRFIN20071110_154504_000000352063_00169_29782_0463.N1	10-NOV-2007 15:45:04	Dark	35.000	41	Eps Car	1.8600	4100.0	70	29782	No
132	GOM_NL__2PRFIN20071110_155948_000000392063_00169_29782_0464.N1	10-NOV-2007 15:59:48	Straylight	38.500	157	The1Eri	2.9060	9300.0	77	29782	No
133	GOM_NL__2PRFIN20071110_161750_000000382063_00169_29782_0465.N1	10-NOV-2007 16:17:50	Bright	38.000	105	6Bet Ari	2.6450	8900.0	76	29782	No
134	GOM_NL__2PRFIN20071110_162206_000000382063_00169_29782_0466.N1	10-NOV-2007 16:22:06	Bright	38.000	53	43Bet And	2.0480	3300.0	76	29782	No
135	GOM_NL__2PRFIN20071110_162804_000000352063_00169_29782_0467.N1	10-NOV-2007 16:28:04	Bright	34.500	68	18Alp Cas	2.2250	4500.0	69	29782	No
136	GOM_NL__2PRFIN20071110_163710_000000362063_00169_29782_0468.N1	10-NOV-2007 16:37:10	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	29782	No
137	GOM_NL__2PRFIN20071110_164121_000000372063_00169_29782_0469.N1	10-NOV-2007 16:41:21	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	29782	No
138	GOM_NL__2PRFIN20071110_164706_000000522063_00169_29782_0470.N1	10-NOV-2007 16:47:06	Bright	52.000	32	77Eps UMa	1.7630	11000.	104	29782	No
139	GOM_NL__2PRFIN20071110_164836_000000362063_00169_29782_0471.N1	10-NOV-2007 16:48:36	Bright	35.500	39	85Eta UMa	1.8540	24000.	71	29782	No
140	GOM_NL__2PRFIN20071110_165207_000000402063_00169_29782_0472.N1	10-NOV-2007 16:52:07	Bright	40.000	152	12Alp2CVn	2.8900	11000.	80	29782	No
141	GOM_NL__2PRFIN20071110_165944_000000332063_00169_29782_0473.N1	10-NOV-2007 16:59:44	Bright	33.000	138	47Eps Vir	2.8280	4700.0	66	29782	No
142	GOM_NL__2PRFIN20071110_170951_000000432063_00169_29782_0474.N1	10-NOV-2007 17:09:51	Twilight	42.500	171	2Eps Crv	3.0010	4250.0	85	29782	No
143	GOM_NL__2PRFIN20071110_171623_000000382063_00169_29782_0475.N1	10-NOV-2007 17:16:23	Dark	37.500	64	Gam Cen	2.2000	10600.	75	29782	No
144	GOM_NL__2PRFIN20071110_171854_000000392063_00169_29782_0476.N1	10-NOV-2007 17:18:54	Dark	39.000	113	Mu Vel	2.6920	5000.0	78	29782	No
145	GOM_NL__2PRFIN20071110_172208_000000372063_00170_29783_0478.N1	10-NOV-2007 17:22:08	Dark	37.000	124	The Car	2.7640	30000.	74	29783	No
146	GOM_NL__2PRFIN20071110_172541_000000352063_00170_29783_0479.N1	10-NOV-2007 17:25:41	Dark	34.500	41	Eps Car	1.8600	4100.0	69	29783	No
147	GOM_NL__2PRFIN20071110_174025_000000382063_00170_29783_0480.N1	10-NOV-2007 17:40:25	Straylight	38.000	157	The1Eri	2.9060	9300.0	76	29783	No
148	GOM_NL__2PRFIN20071110_175826_000000382063_00170_29783_0481.N1	10-NOV-2007 17:58:26	Bright	37.500	105	6Bet Ari	2.6450	8900.0	75	29783	No
149	GOM_NL__2PRFIN20071110_180242_000000362063_00170_29783_0482.N1	10-NOV-2007 18:02:42	Bright	36.000	53	43Bet And	2.0480	3300.0	72	29783	No
150	GOM_NL__2PRFIN20071110_180840_000000372063_00170_29783_0483.N1	10-NOV-2007 18:08:40	Bright	37.000	68	18Alp Cas	2.2250	4500.0	74	29783	No
151	GOM_NL__2PRFIN20071110_181746_000000372063_00170_29783_0484.N1	10-NOV-2007 18:17:46	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	29783	No
152	GOM_NL__2PRFIN20071110_182157_000000372063_00170_29783_0485.N1	10-NOV-2007 18:21:57	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	29783	No
153	GOM_NL__2PRFIN20071110_182742_000000352063_00170_29783_0486.N1	10-NOV-2007 18:27:42	Bright	35.000	32	77Eps UMa	1.7630	11000.	70	29783	No
154	GOM_NL__2PRFIN20071110_182913_000000342063_00170_29783_0487.N1	10-NOV-2007 18:29:13	Bright	33.500	39	85Eta UMa	1.8540	24000.	67	29783	No
155	GOM_NL__2PRFIN20071110_183243_000000332063_00170_29783_0488.N1	10-NOV-2007 18:32:43	Bright	33.000	152	12Alp2CVn	2.8900	11000.	66	29783	No
156	GOM_NL__2PRFIN20071110_184020_000000332063_00170_29783_0489.N1	10-NOV-2007 18:40:20	Bright	33.000	138	47Eps Vir	2.8280	4700.0	66	29783	No
157	GOM_NL__2PRFIN20071110_185027_000000422063_00170_29783_0490.N1	10-NOV-2007 18:50:27	Twilight	42.000	171	2Eps Crv	3.0010	4250.0	84	29783	No
158	GOM_NL__2PRFIN20071110_185659_000000372063_00170_29783_0491.N1	10-NOV-2007 18:56:59	Dark	37.000	64	Gam Cen	2.2000	10600.	74	29783	No
159	GOM_NL__2PRFIN20071110_185931_000000402063_00170_29783_0492.N1	10-NOV-2007 18:59:31	Dark	39.500	113	Mu Vel	2.6920	5000.0	79	29783	No
160	GOM_NL__2PRFIN20071110_190245_000000382063_00171_29784_0493.N1	10-NOV-2007 19:02:45	Dark	37.500	124	The Car	2.7640	30000.	75	29784	No

161	GOM_NL__2PRFIN20071110_190617_000000332063_00171_29784_0494.N1	10-NOV-2007 19:06:17	Dark	32.500	41	Eps Car	1.8600	4100.0	65	29784	No
162	GOM_NL__2PRFIN20071110_192101_000000382063_00171_29784_0495.N1	10-NOV-2007 19:21:01	Straylight	38.000	157	The1Eri	2.9060	9300.0	76	29784	No
163	GOM_NL__2PRFIN20071110_193902_000000382063_00171_29784_0496.N1	10-NOV-2007 19:39:02	Bright	37.500	105	6Bet Ari	2.6450	8900.0	75	29784	No
164	GOM_NL__2PRFIN20071110_194318_000000372063_00171_29784_0497.N1	10-NOV-2007 19:43:18	Bright	37.000	53	43Bet And	2.0480	3300.0	74	29784	No
165	GOM_NL__2PRFIN20071110_194514_000000272063_00171_29784_0498.N1	10-NOV-2007 19:45:14	Bright	27.000	73	57Gam1And	2.2600	13100.	54	29784	No
166	GOM_NL__2PRFIN20071110_194916_000000372063_00171_29784_0499.N1	10-NOV-2007 19:49:16	Bright	37.000	68	18Alp Cas	2.2250	4500.0	74	29784	No
167	GOM_NL__2PRFIN20071110_195822_000000362063_00171_29784_0500.N1	10-NOV-2007 19:58:22	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	29784	No
168	GOM_NL__2PRFIN20071110_200234_000000372063_00171_29784_0501.N1	10-NOV-2007 20:02:34	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	29784	No
169	GOM_NL__2PRFIN20071110_200818_000000382063_00171_29784_0502.N1	10-NOV-2007 20:08:18	Bright	37.500	32	77Eps UMa	1.7630	11000.	75	29784	No
170	GOM_NL__2PRFIN20071110_200949_000000522063_00171_29784_0503.N1	10-NOV-2007 20:09:49	Bright	52.000	39	85Eta UMa	1.8540	24000.	104	29784	No
171	GOM_NL__2PRFIN20071110_201320_000000342063_00171_29784_0504.N1	10-NOV-2007 20:13:20	Bright	34.000	152	12Alp2CVn	2.8900	11000.	68	29784	No
172	GOM_NL__2PRFIN20071110_202056_000000332063_00171_29784_0505.N1	10-NOV-2007 20:20:56	Bright	32.500	138	47Eps Vir	2.8280	4700.0	65	29784	No
173	GOM_NL__2PRFIN20071110_203104_000000422063_00171_29784_0506.N1	10-NOV-2007 20:31:04	Twilight	41.500	171	2Eps Crv	3.0010	4250.0	83	29784	No
174	GOM_NL__2PRFIN20071110_203736_000000392063_00171_29784_0507.N1	10-NOV-2007 20:37:36	Dark	38.500	64	Gam Cen	2.2000	10600.	77	29784	No
175	GOM_NL__2PRFIN20071110_204007_000000402063_00171_29784_0508.N1	10-NOV-2007 20:40:07	Dark	40.000	113	Mu Vel	2.6920	5000.0	80	29784	No
176	GOM_NL__2PRFIN20071110_204321_000000382063_00172_29785_0501.N1	10-NOV-2007 20:43:21	Dark	37.500	124	The Car	2.7640	30000.	75	29785	No
177	GOM_NL__2PRFIN20071110_204654_000000332063_00172_29785_0502.N1	10-NOV-2007 20:46:54	Dark	32.500	41	Eps Car	1.8600	4100.0	65	29785	No
178	GOM_NL__2PRFIN20071110_210137_000000382063_00172_29785_0503.N1	10-NOV-2007 21:01:37	Straylight	38.000	157	The1Eri	2.9060	9300.0	76	29785	No
179	GOM_NL__2PRFIN20071110_211937_000000372063_00172_29785_0504.N1	10-NOV-2007 21:19:37	Bright	37.000	105	6Bet Ari	2.6450	8900.0	74	29785	No
180	GOM_NL__2PRFIN20071110_212354_000000392063_00172_29785_0505.N1	10-NOV-2007 21:23:54	Bright	39.000	53	43Bet And	2.0480	3300.0	78	29785	No
181	GOM_NL__2PRFIN20071110_212549_000000272063_00172_29785_0506.N1	10-NOV-2007 21:25:49	Bright	27.000	73	57Gam1And	2.2600	13100.	54	29785	No
182	GOM_NL__2PRFIN20071110_212952_000000362063_00172_29785_0507.N1	10-NOV-2007 21:29:52	Bright	36.000	68	18Alp Cas	2.2250	4500.0	72	29785	No
183	GOM_NL__2PRFIN20071110_213858_000000342063_00172_29785_0508.N1	10-NOV-2007 21:38:58	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	29785	No
184	GOM_NL__2PRFIN20071110_214310_000000332063_00172_29785_0509.N1	10-NOV-2007 21:43:10	Bright	33.000	60	7Bet UMi	2.0810	3950.0	66	29785	No
185	GOM_NL__2PRFIN20071110_214854_000000352063_00172_29785_0510.N1	10-NOV-2007 21:48:54	Bright	35.000	32	77Eps UMa	1.7630	11000.	70	29785	No
186	GOM_NL__2PRFIN20071110_215025_000000362063_00172_29785_0511.N1	10-NOV-2007 21:50:25	Bright	35.500	39	85Eta UMa	1.8540	24000.	71	29785	No
187	GOM_NL__2PRFIN20071110_215355_000000412063_00172_29785_0512.N1	10-NOV-2007 21:53:55	Bright	41.000	152	12Alp2CVn	2.8900	11000.	82	29785	No
188	GOM_NL__2PRFIN20071110_220132_000000332063_00172_29785_0513.N1	10-NOV-2007 22:01:32	Bright	32.500	138	47Eps Vir	2.8280	4700.0	65	29785	No
189	GOM_NL__2PRFIN20071110_221140_000000432063_00172_29785_0514.N1	10-NOV-2007 22:11:40	Twilight	42.500	171	2Eps Crv	3.0010	4250.0	85	29785	No
190	GOM_NL__2PRFIN20071110_221811_000000382063_00172_29785_0515.N1	10-NOV-2007 22:18:11	Dark	37.500	64	Gam Cen	2.2000	10600.	75	29785	No
191	GOM_NL__2PRFIN20071110_222044_000000402063_00172_29785_0516.N1	10-NOV-2007 22:20:44	Dark	39.500	113	Mu Vel	2.6920	5000.0	79	29785	No
192	GOM_NL__2PRFIN20071110_222357_000000372063_00173_29786_0544.N1	10-NOV-2007 22:23:57	Dark	36.500	124	The Car	2.7640	30000.	73	29786	No
193	GOM_NL__2PRFIN20071110_222730_000000312063_00173_29786_0545.N1	10-NOV-2007 22:27:30	Dark	31.000	41	Eps Car	1.8600	4100.0	62	29786	No
194	GOM_NL__2PRFIN20071110_224213_000000382063_00173_29786_0546.N1	10-NOV-2007 22:42:13	Straylight	37.500	157	The1Eri	2.9060	9300.0	75	29786	No
195	GOM_NL__2PRFIN20071110_230013_000000372063_00173_29786_0547.N1	10-NOV-2007 23:00:13	Bright	37.000	105	6Bet Ari	2.6450	8900.0	74	29786	No
196	GOM_NL__2PRFIN20071110_230430_000000362063_00173_29786_0548.N1	10-NOV-2007 23:04:30	Bright	35.500	53	43Bet And	2.0480	3300.0	71	29786	No
197	GOM_NL__2PRFIN20071110_230625_000000372063_00173_29786_0549.N1	10-NOV-2007 23:06:25	Bright	37.000	73	57Gam1And	2.2600	13100.	74	29786	No
198	GOM_NL__2PRFIN20071110_231028_000000352063_00173_29786_0550.N1	10-NOV-2007 23:10:28	Bright	35.000	68	18Alp Cas	2.2250	4500.0	70	29786	No
199	GOM_NL__2PRFIN20071110_231934_000000332063_00173_29786_0551.N1	10-NOV-2007 23:19:34	Bright	33.000	49	1Alp UMi	1.9900	6300.0	66	29786	No
200	GOM_NL__2PRFIN20071110_232346_000000382063_00173_29786_0552.N1	10-NOV-2007 23:23:46	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	29786	No
201	GOM_NL__2PRFIN20071110_232930_000000522063_00173_29786_0553.N1	10-NOV-2007 23:29:30	Bright	52.000	32	77Eps UMa	1.7630	11000.	104	29786	No
202	GOM_NL__2PRFIN20071110_233101_000000352063_00173_29786_0554.N1	10-NOV-2007 23:31:01	Bright	35.000	39	85Eta UMa	1.8540	24000.	70	29786	No
203	GOM_NL__2PRFIN20071110_234209_000000332063_00173_29786_0555.N1	10-NOV-2007 23:42:09	Bright	32.500	138	47Eps Vir	2.8280	4700.0	65	29786	No
204	GOM_NL__2PRFIN20071110_235216_000000382063_00173_29786_0556.N1	10-NOV-2007 23:52:16	Twilight	38.000	171	2Eps Crv	3.0010	4250.0	76	29786	No
205	GOM_NL__2PRFIN20071110_235847_000000362063_00173_29786_0557.N1	10-NOV-2007 23:58:47	Dark	36.000	64	Gam Cen	2.2000	10600.	72	29786	No

3. Quality information per product

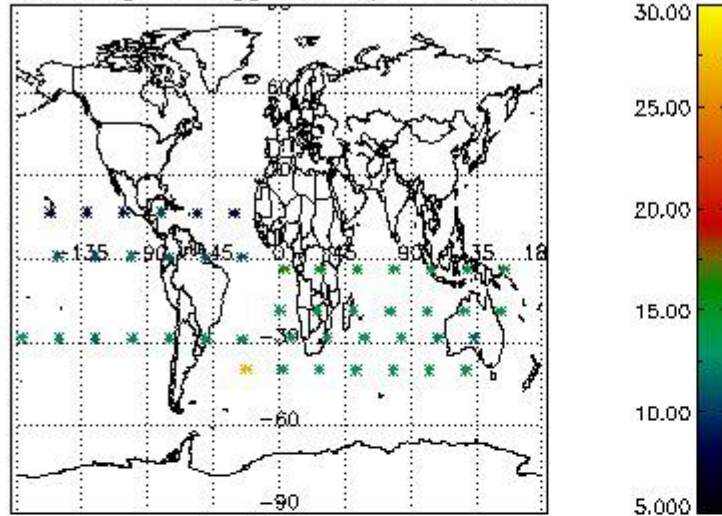
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

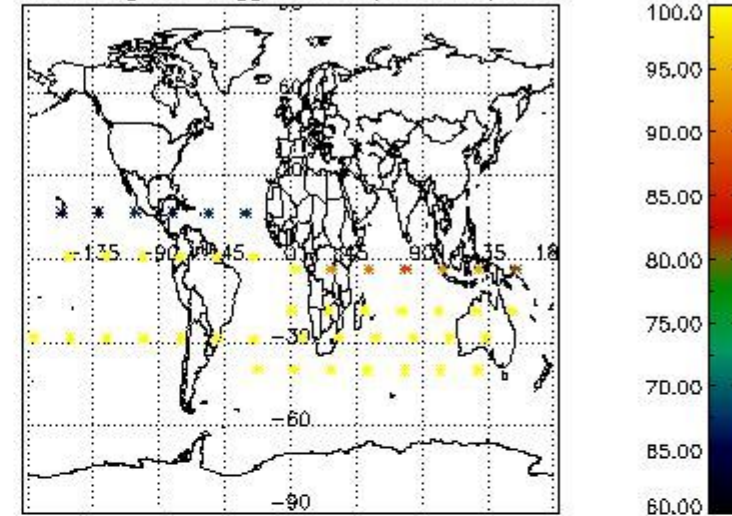


3.2 Plot quality information per product (world map)

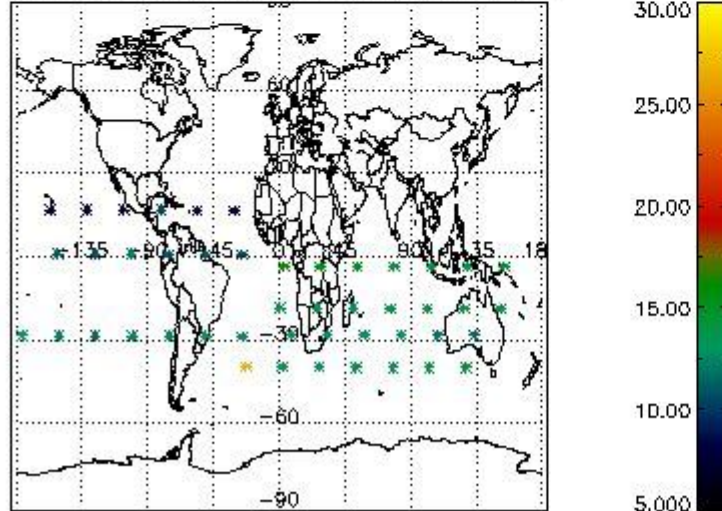
Percentage of flagged data per O3 profile



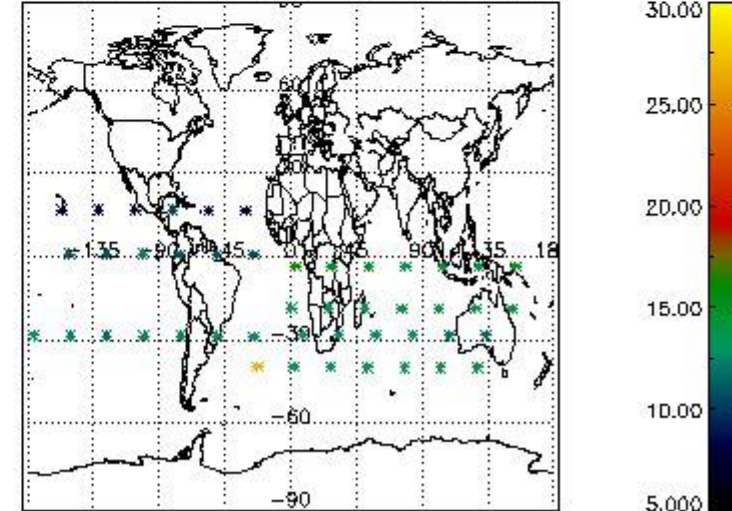
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

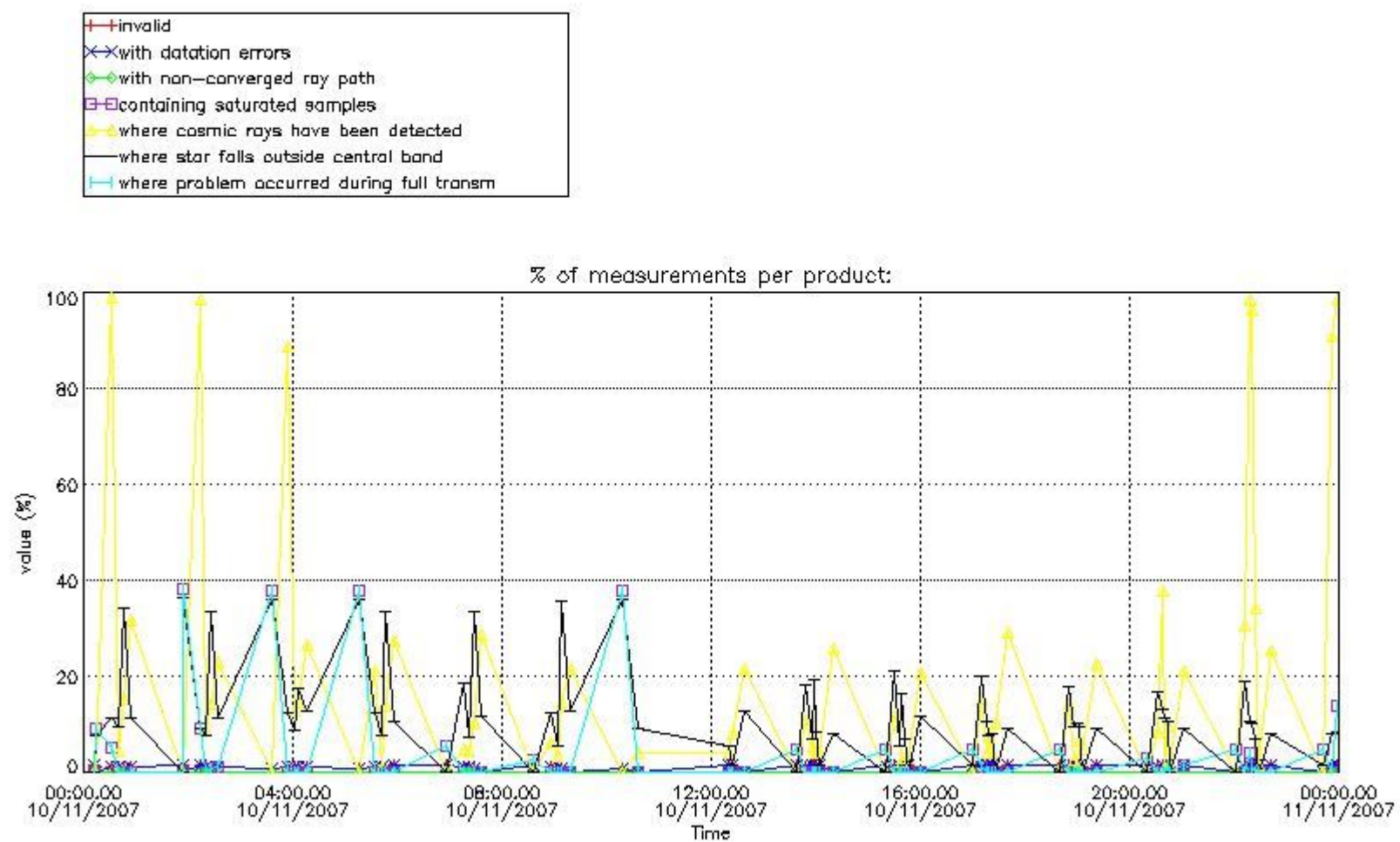


4. Level 1 quality information per product

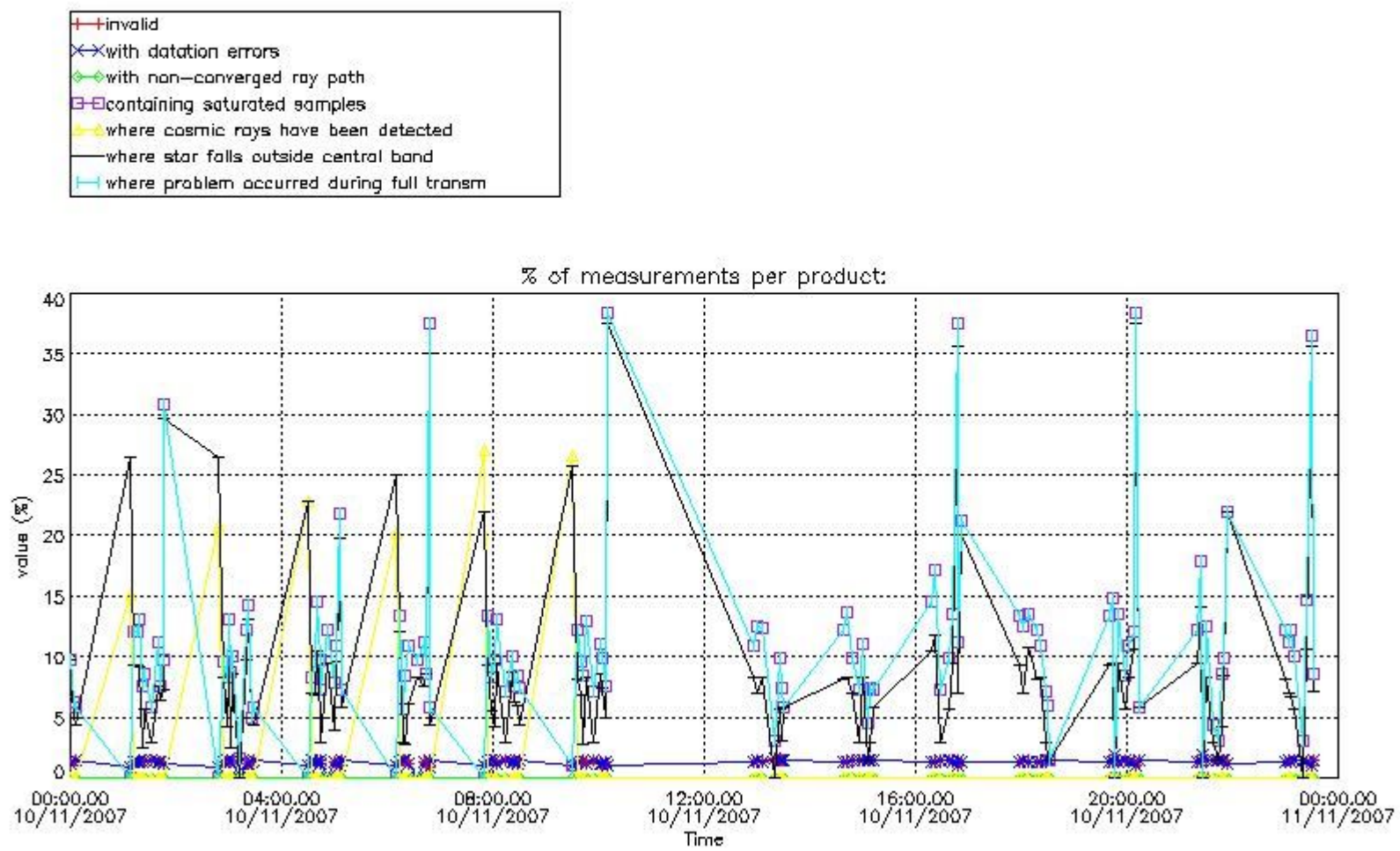
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



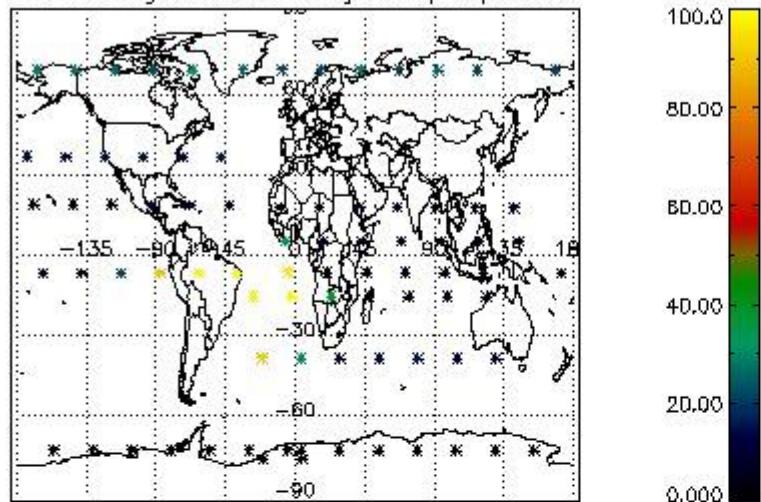
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



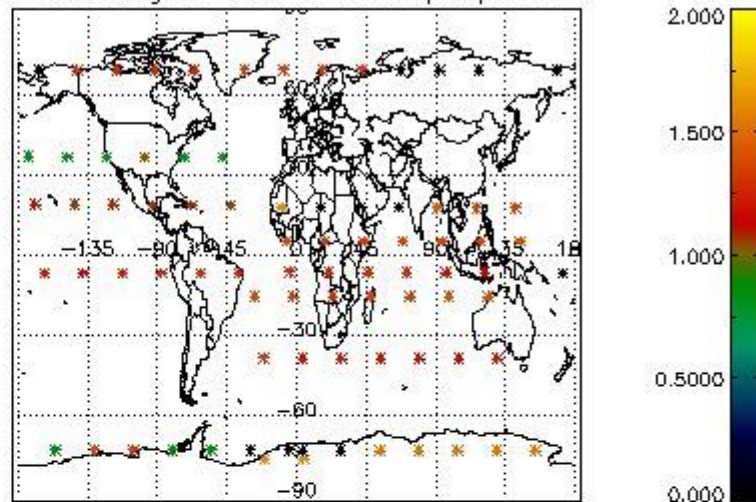
4.2 Plot quality information per product coming from level 1b processing (world map)

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

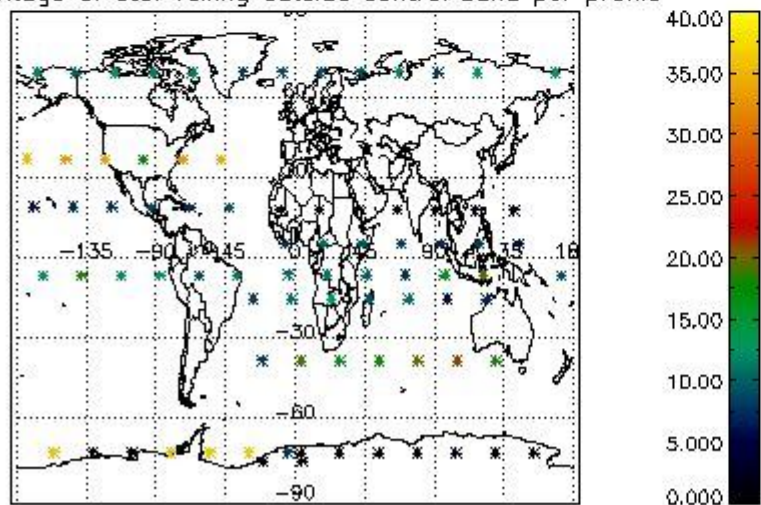
Percentage of cosmic ray hits per profile



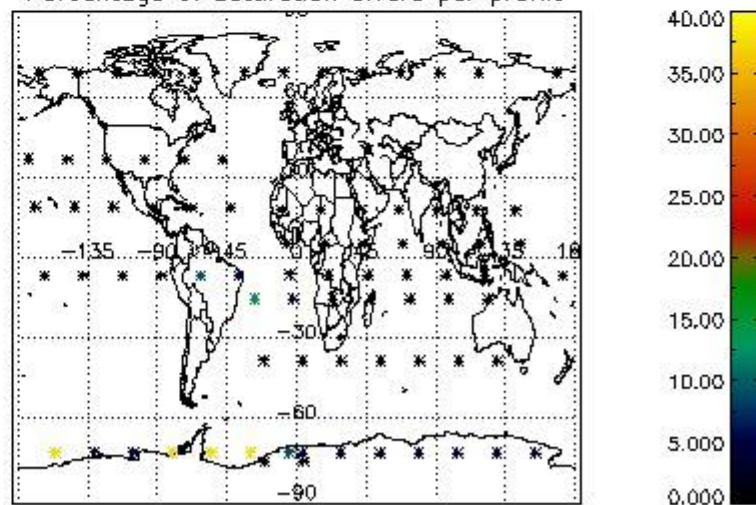
Percentage of datation errors per profile



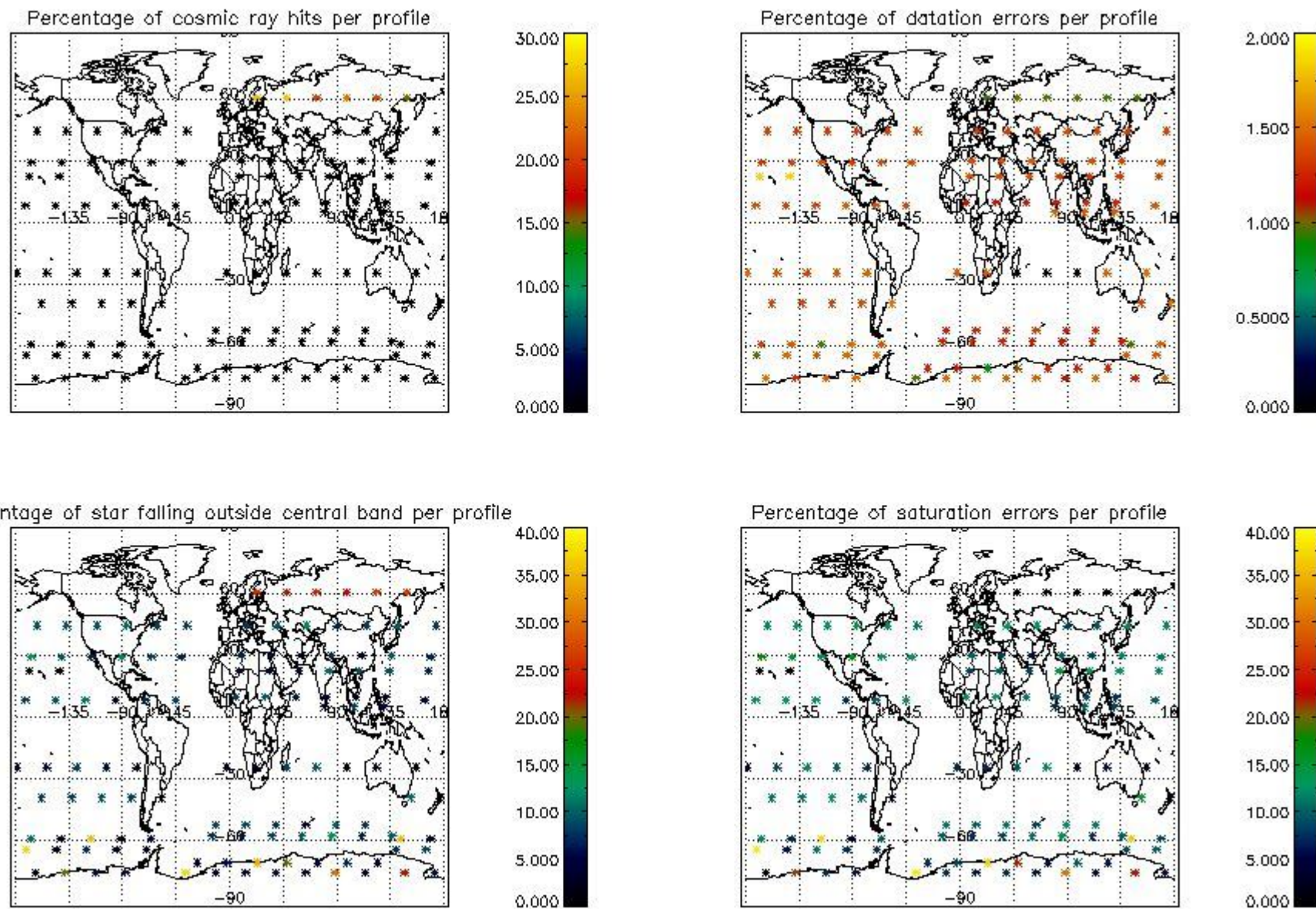
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/o3_std of the level 2 products. The table below shows the statistics for given STD ranges.

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

- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

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

- Products in dark limb illumination condition: GOM_NL__2P/NL_SUMMARY_QUALITY/obs_ill_cond=0
- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

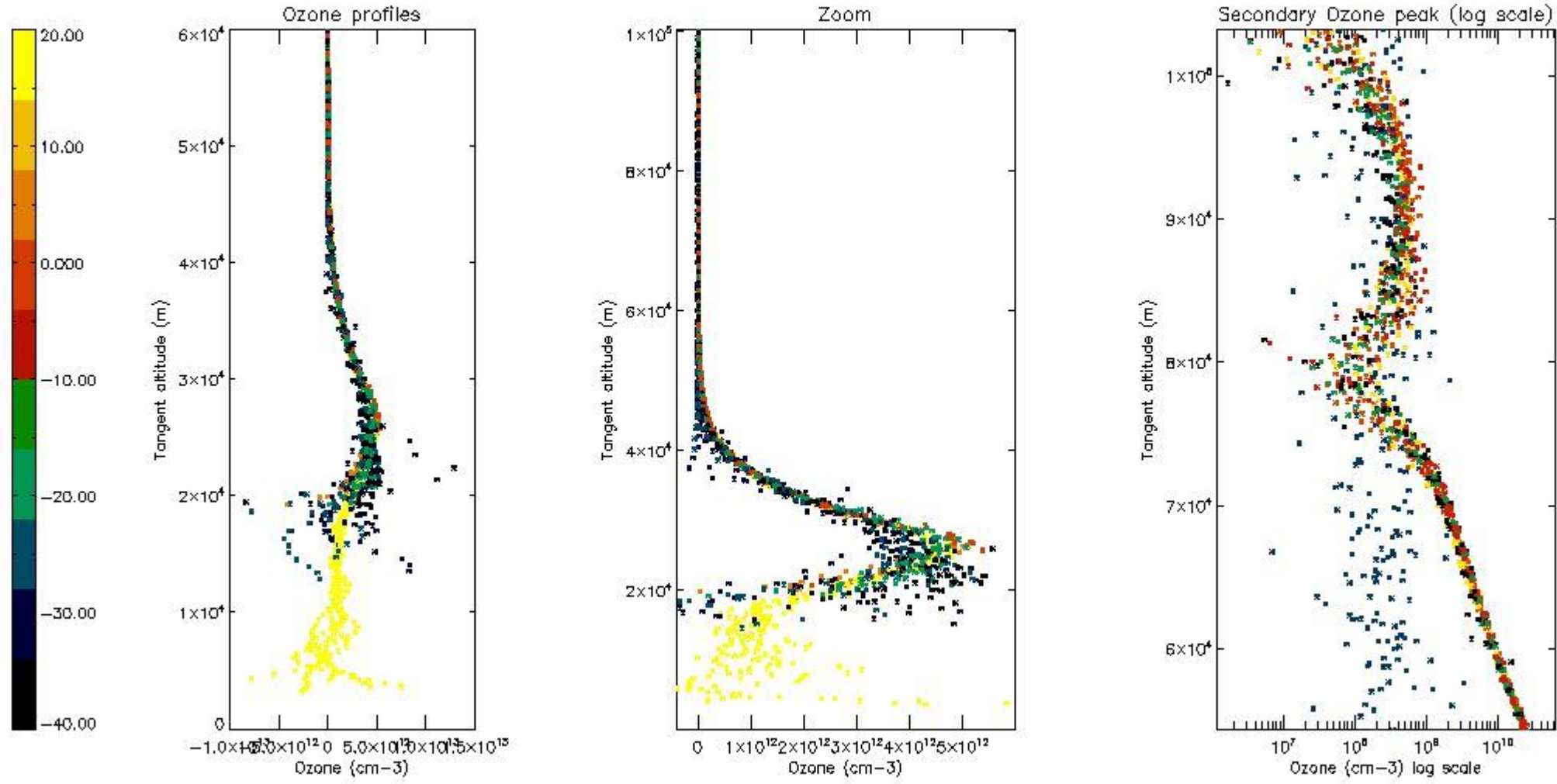
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	25
STD < 20	14

STD < 10	10
STD < 5	7

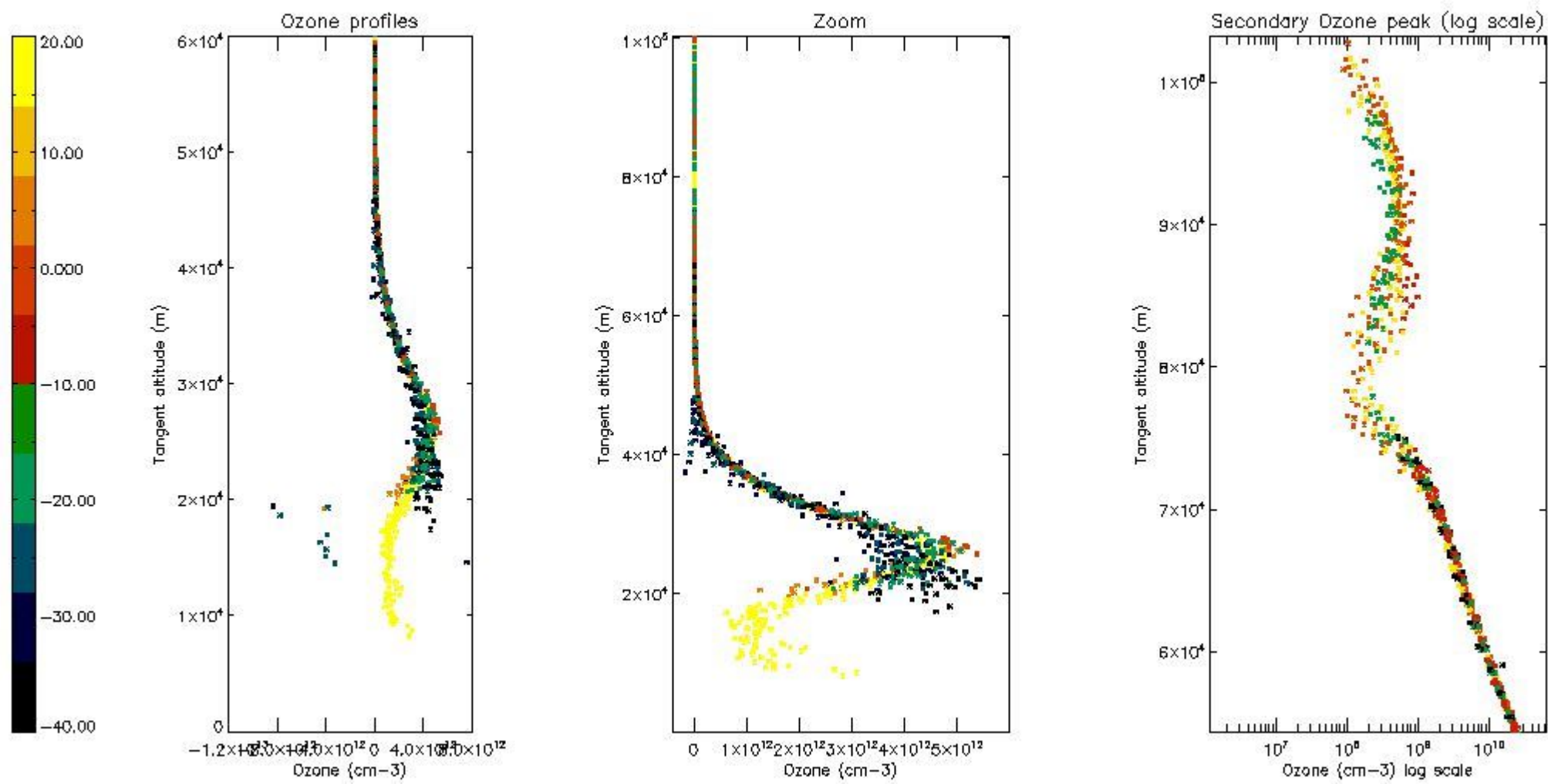
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



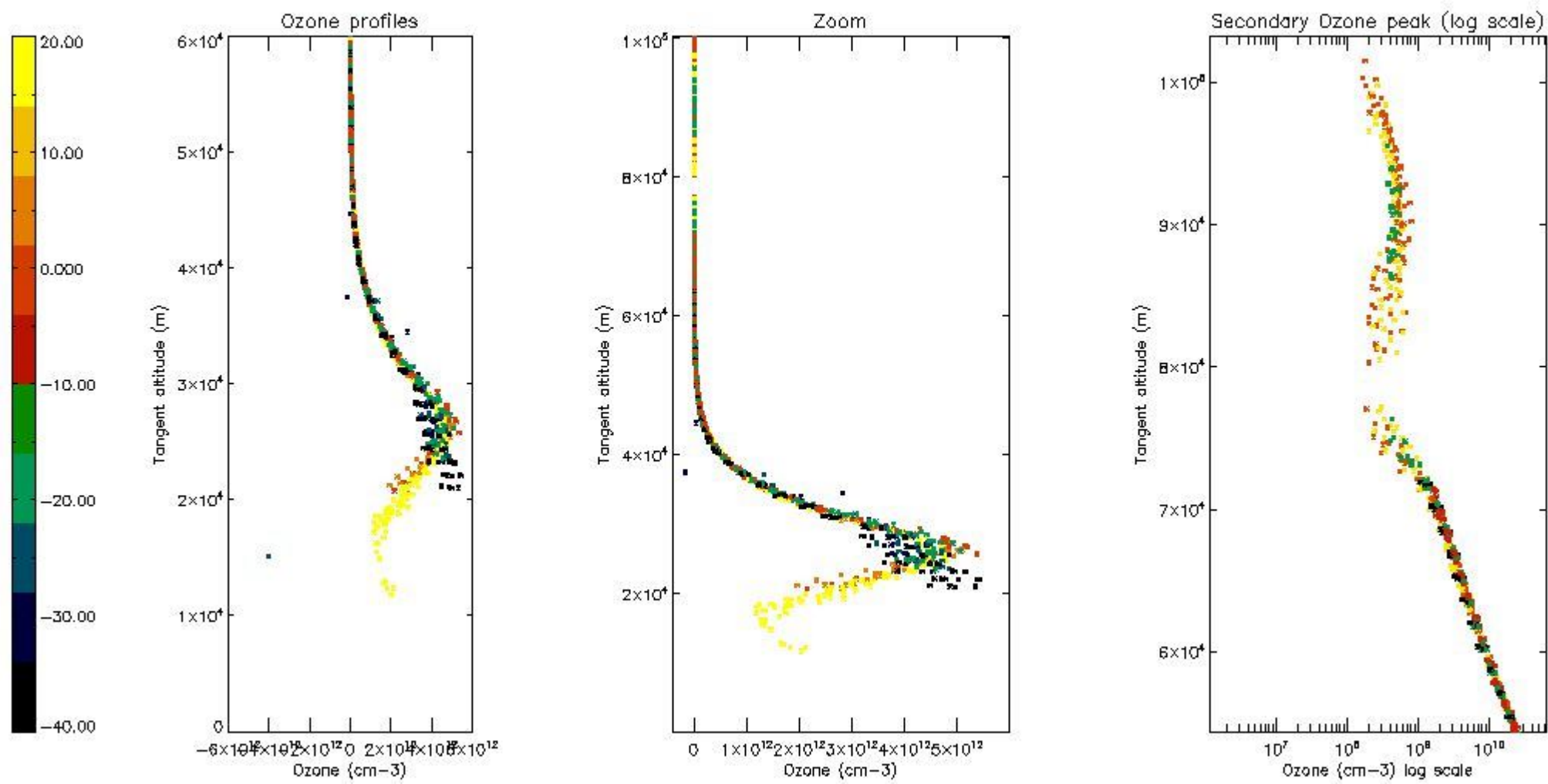
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



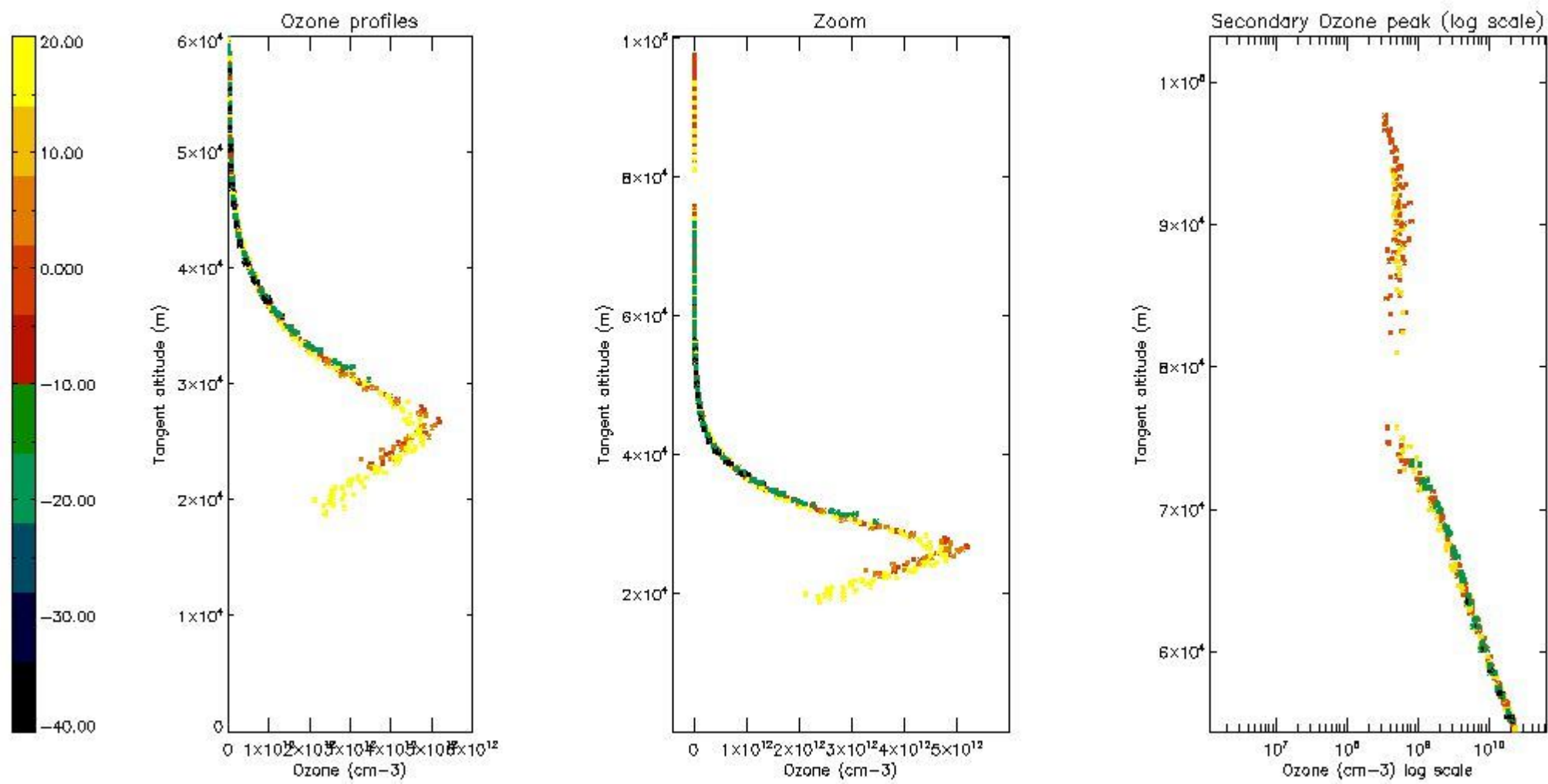
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



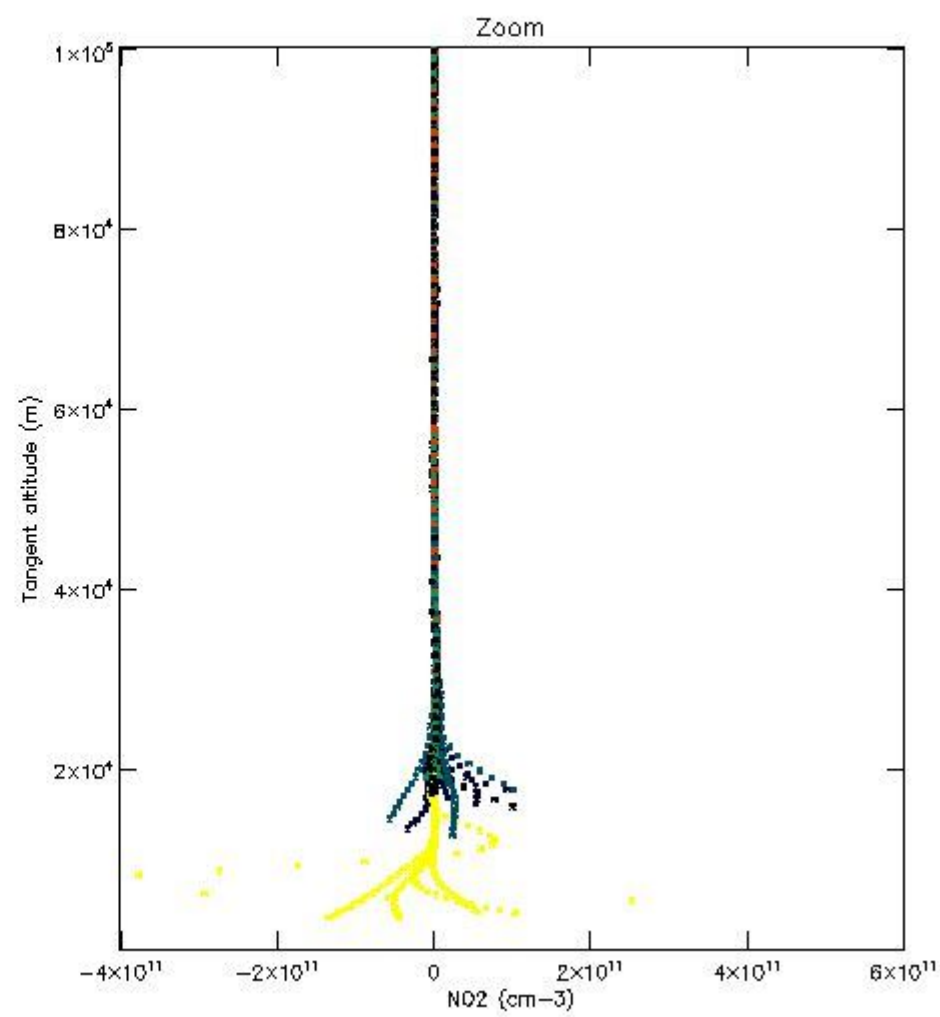
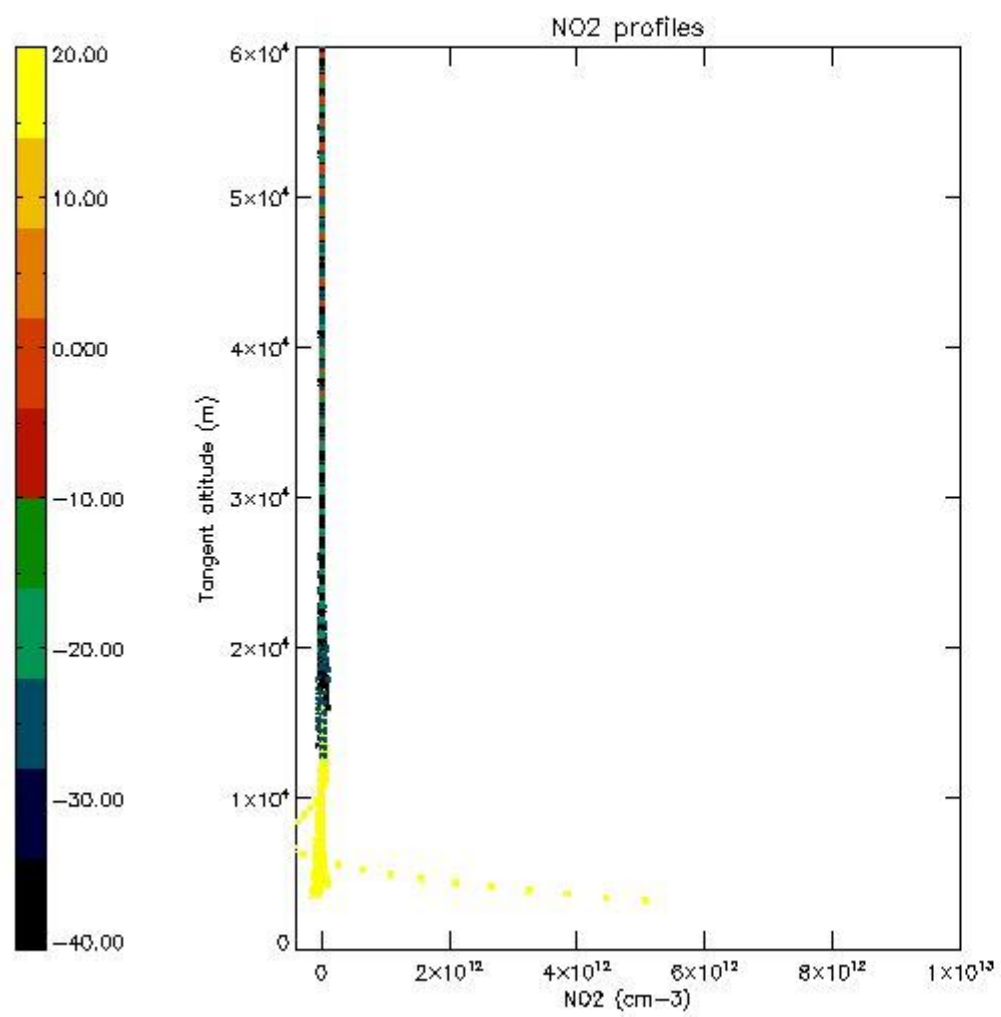
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



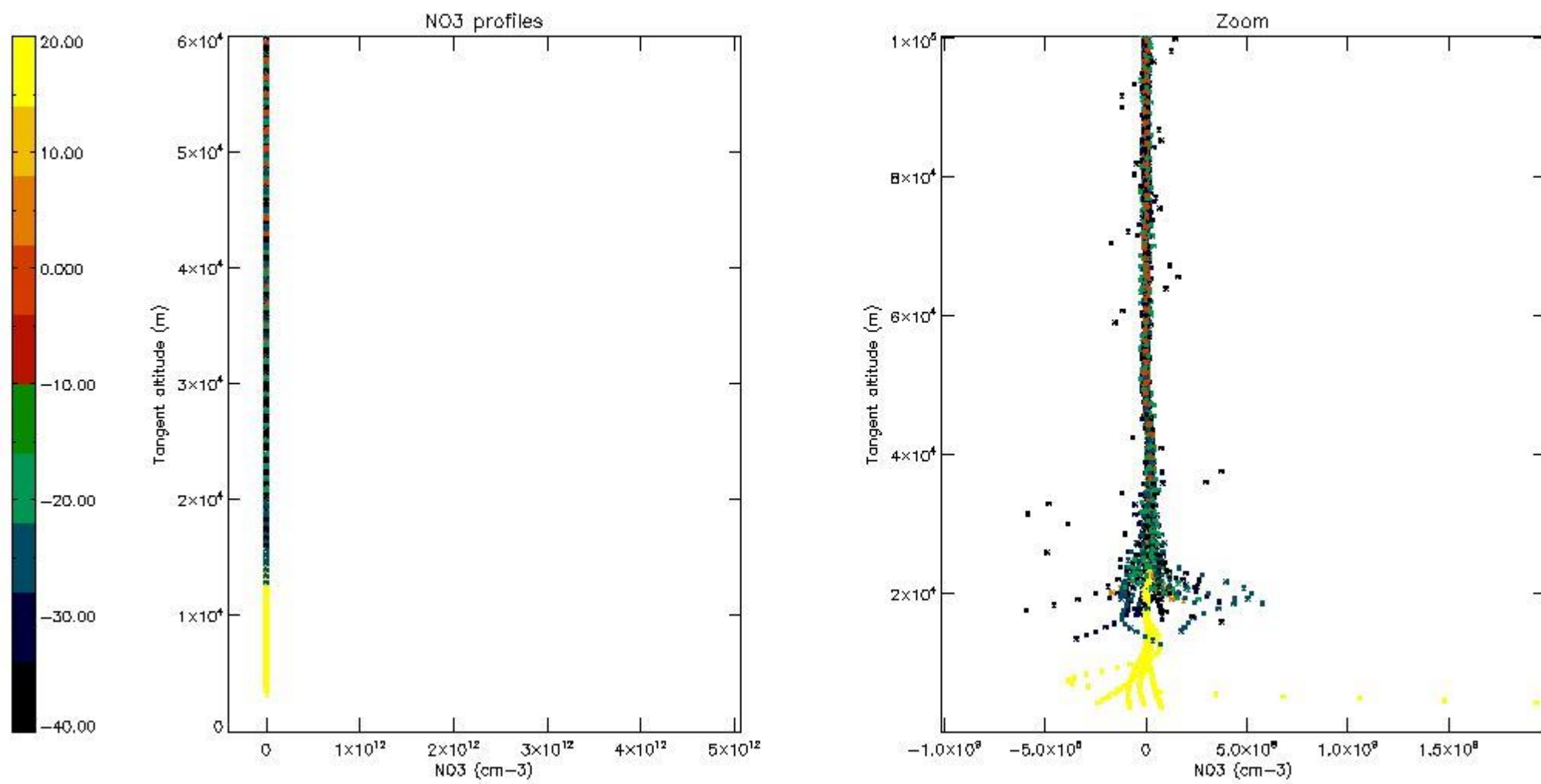
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



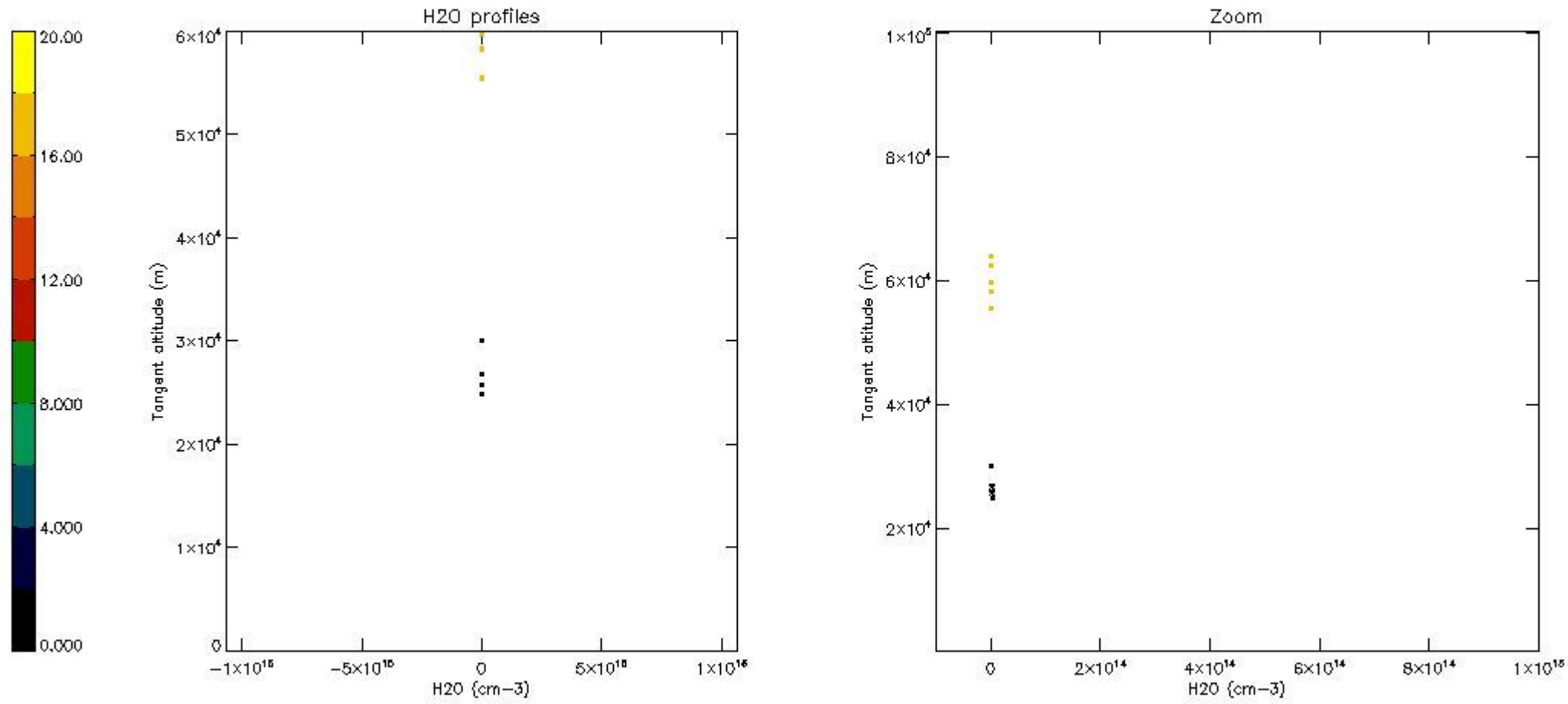
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

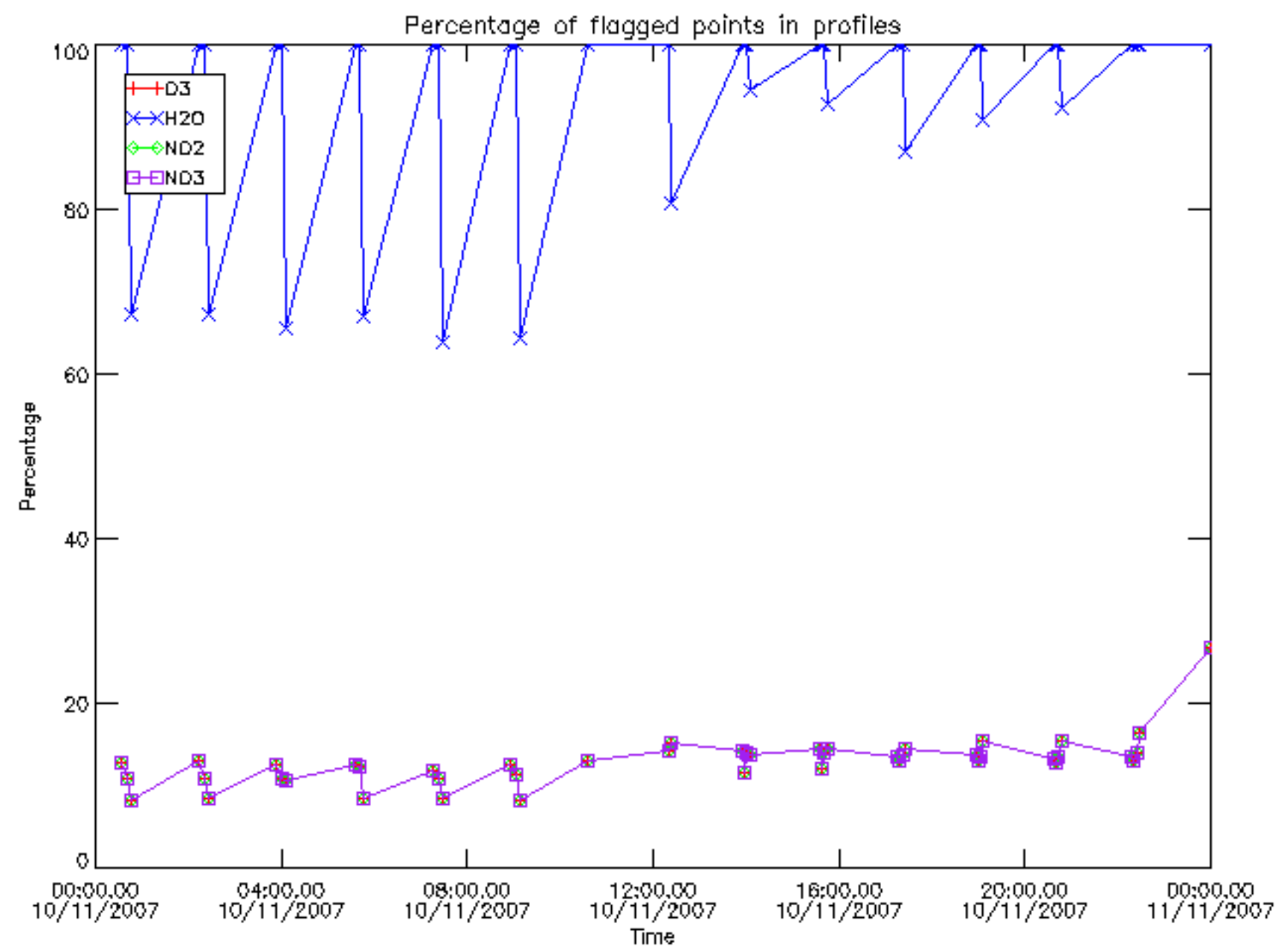
The colorbar represents the latitude.



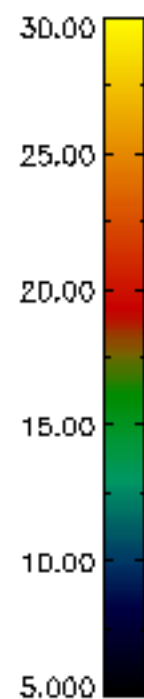
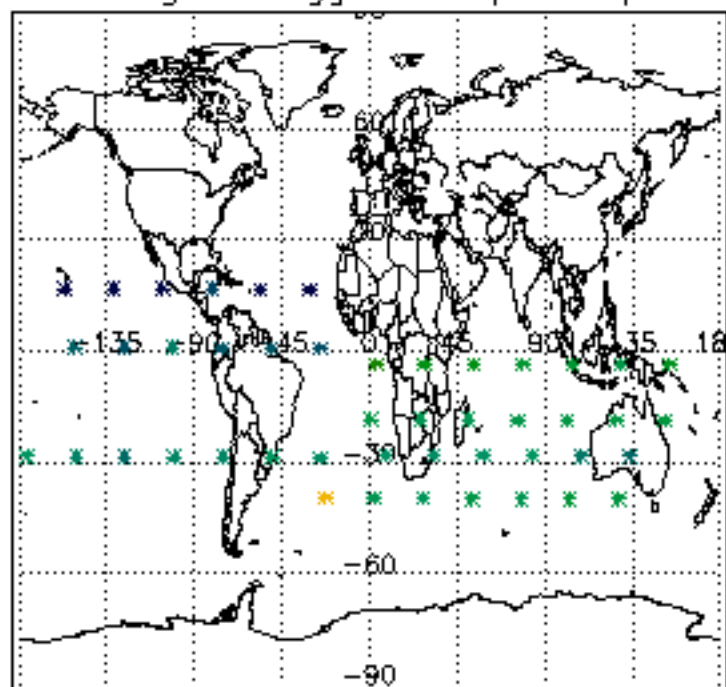
6. Auxiliary Data Files used for the production reported in section 2

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.

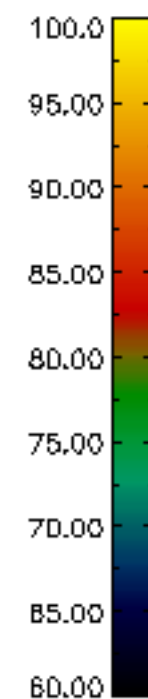
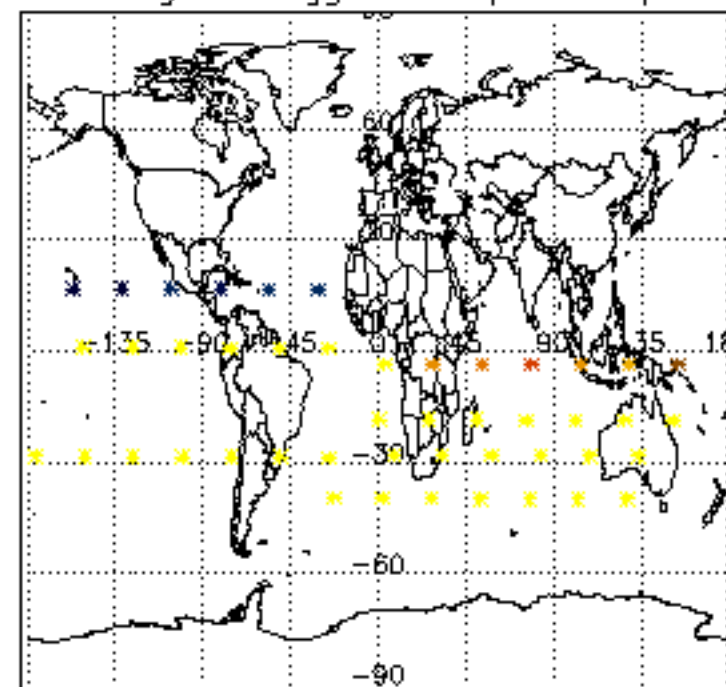
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	10-NOV-2007 00:00:43
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	10-NOV-2007 00:00:43
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	10-NOV-2007 00:00:43



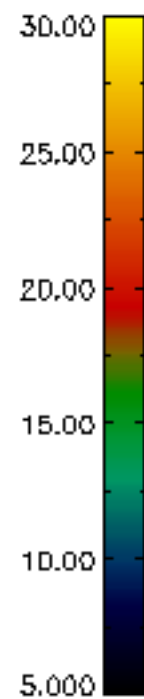
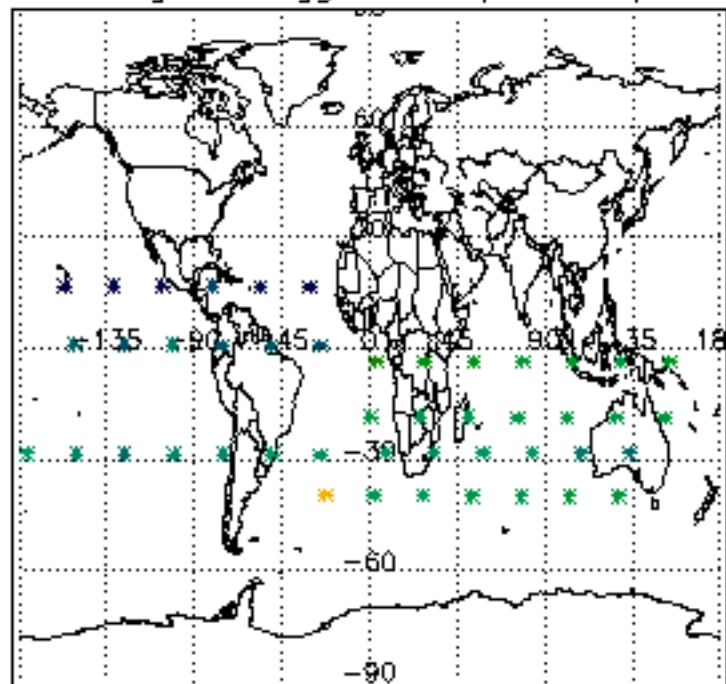
Percentage of flagged data per D3 profile



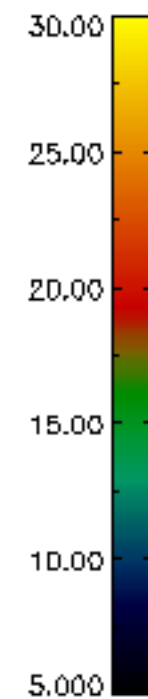
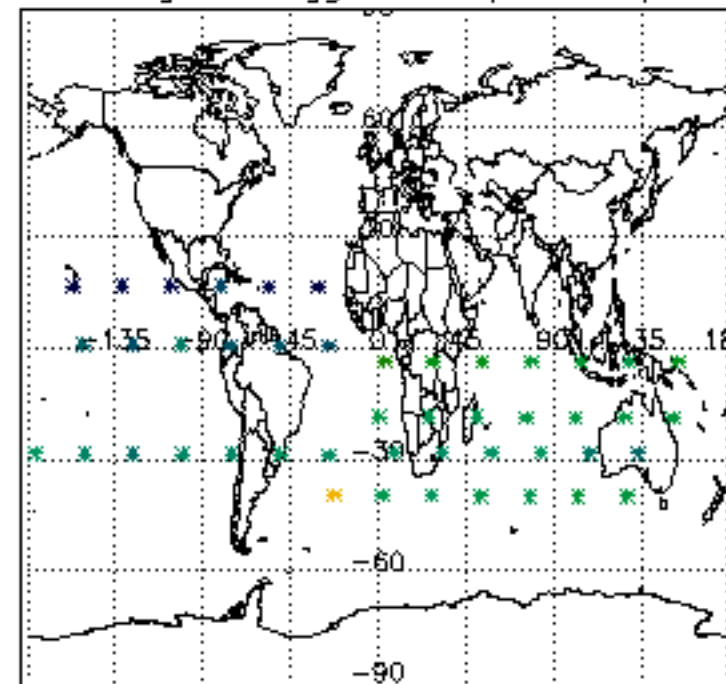
Percentage of flagged data per H2O profile

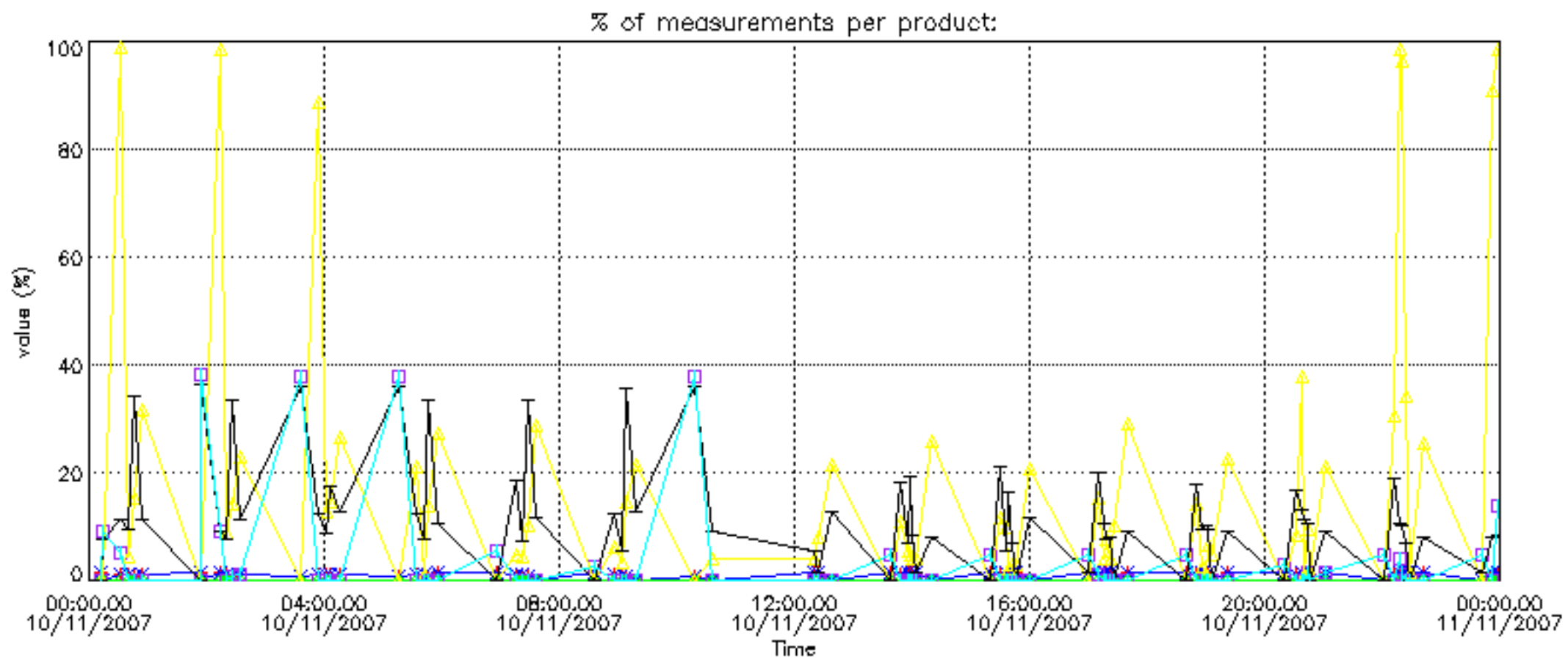


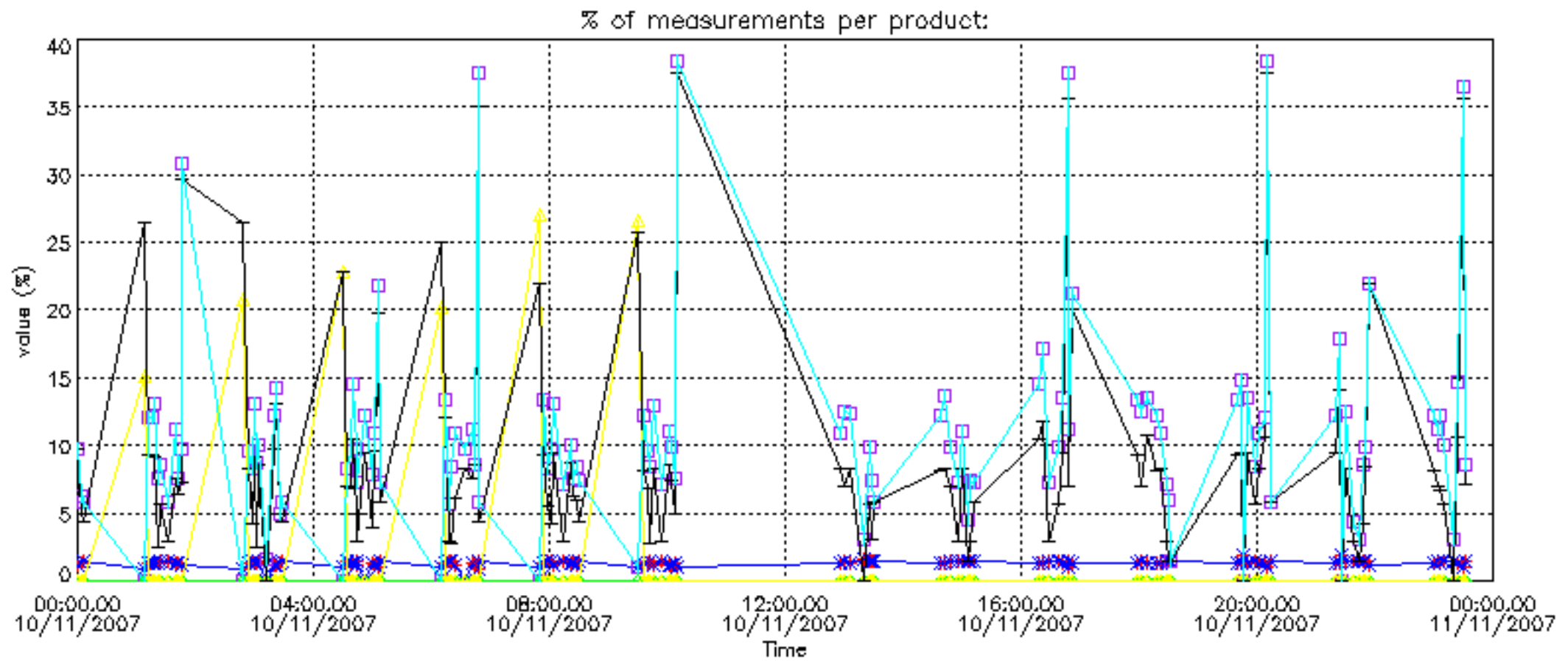
Percentage of flagged data per NO2 profile



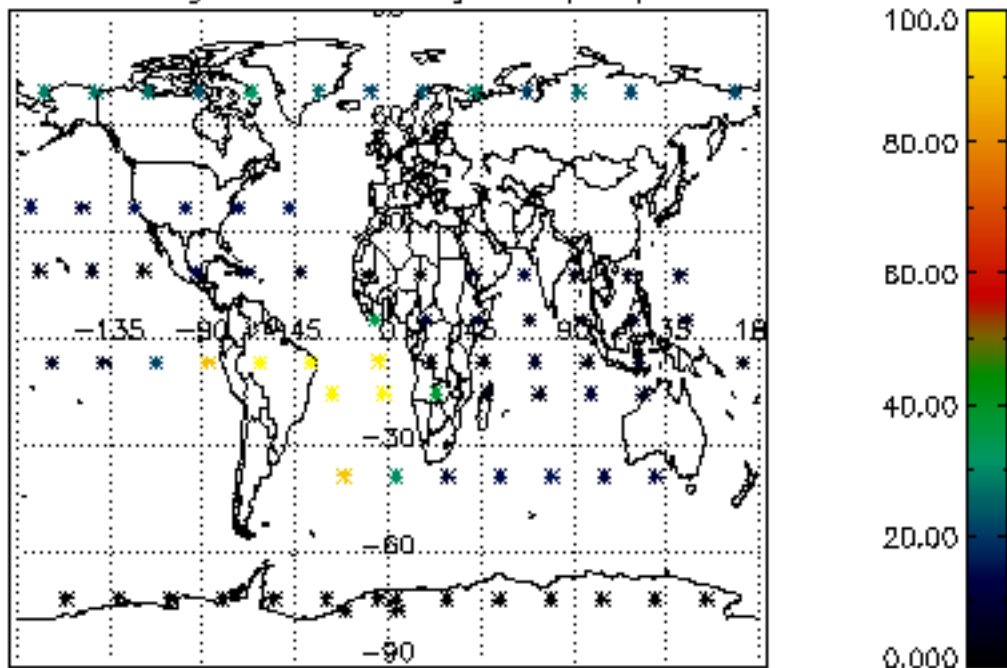
Percentage of flagged data per NO3 profile



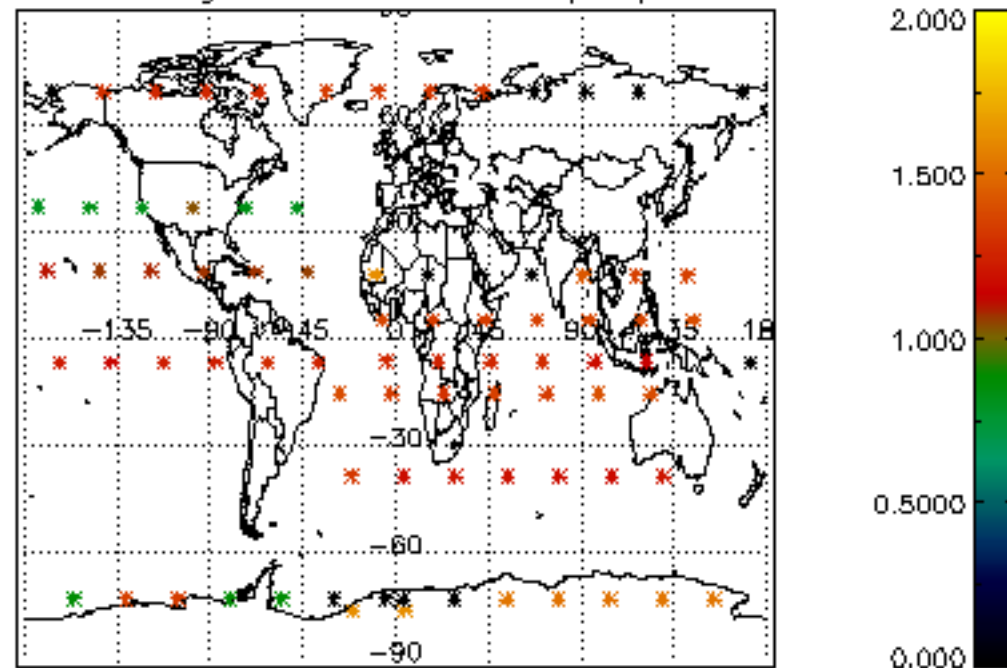




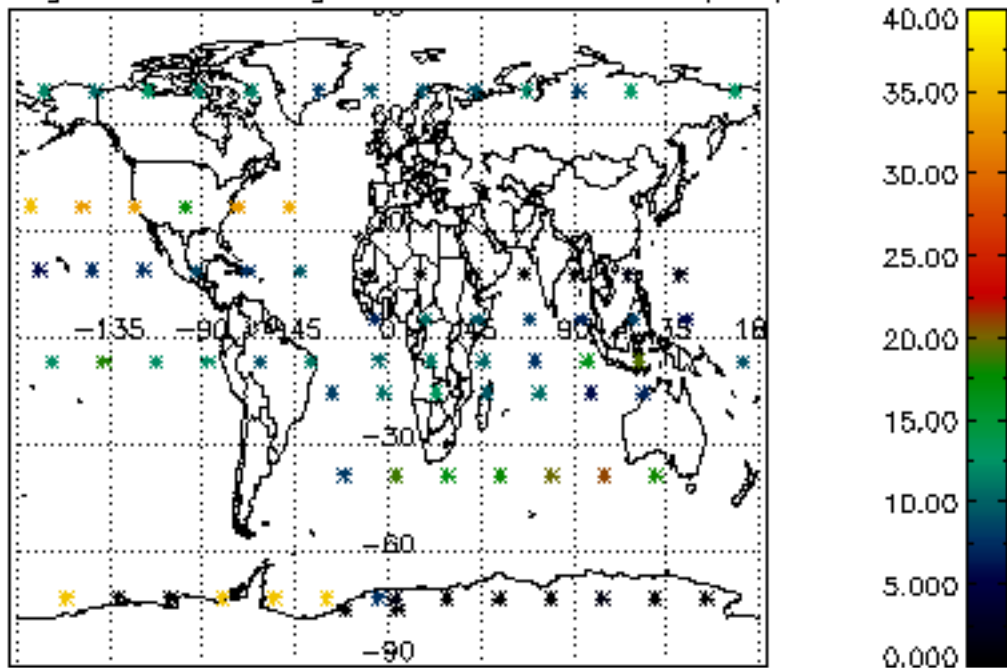
Percentage of cosmic ray hits per profile



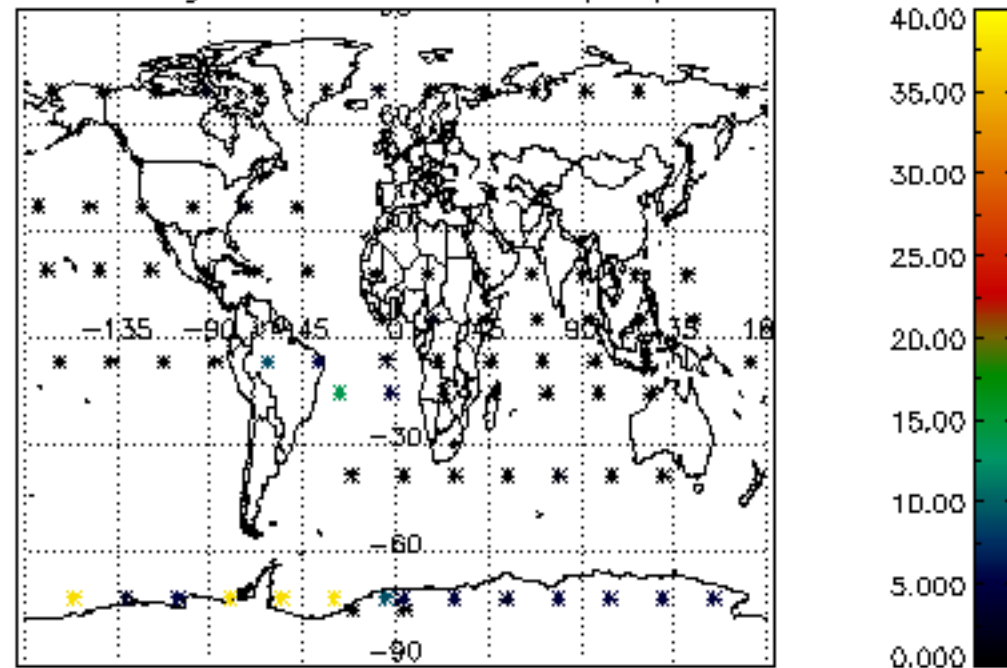
Percentage of datation errors per profile



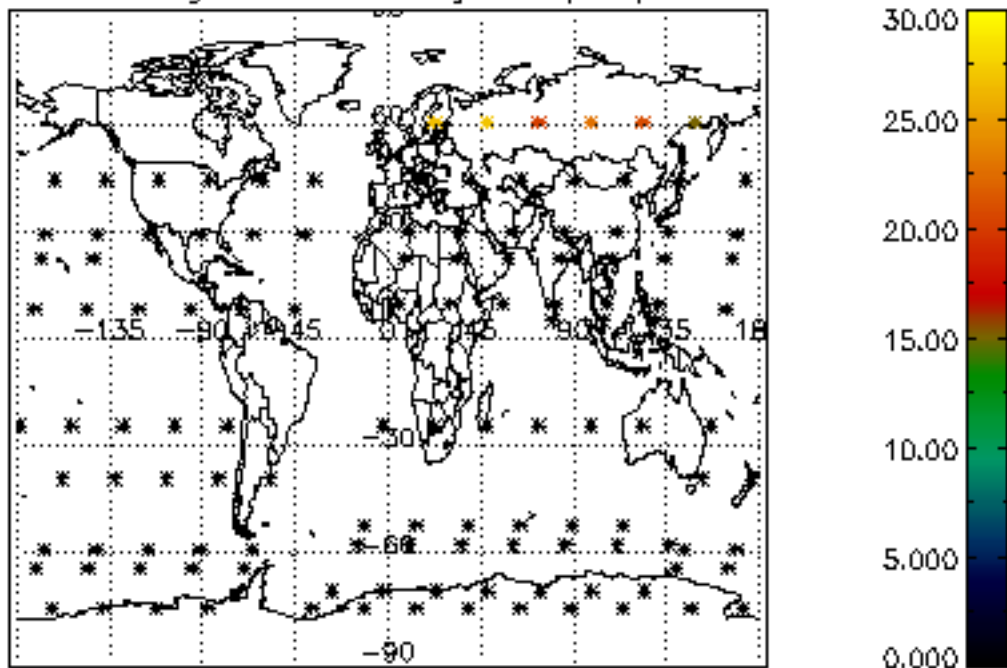
Percentage of star falling outside central band per profile



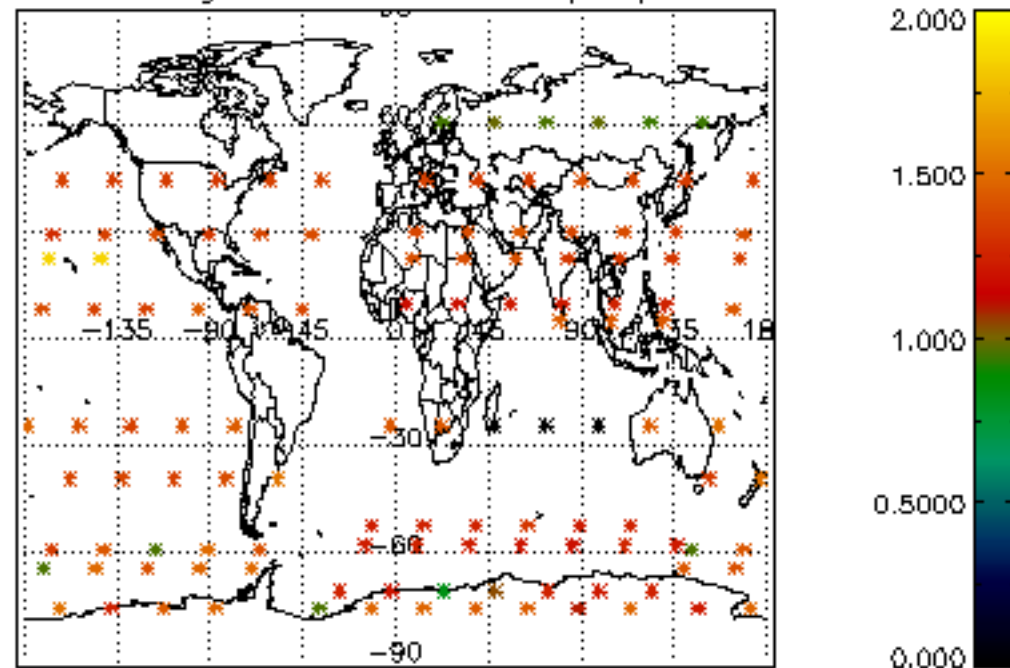
Percentage of saturation errors per profile



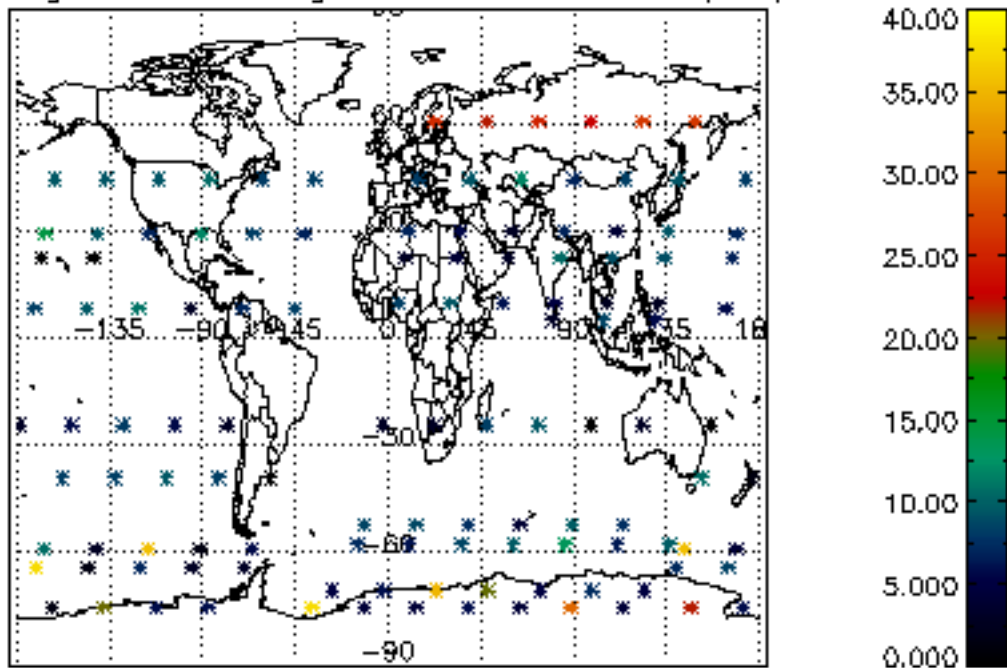
Percentage of cosmic ray hits per profile



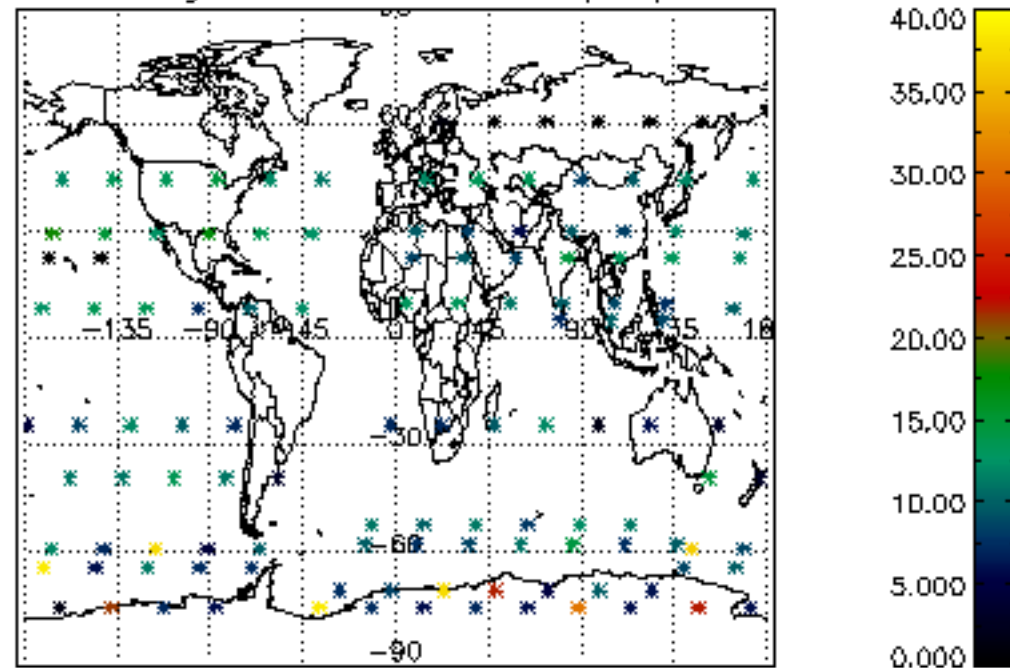
Percentage of datation errors per profile

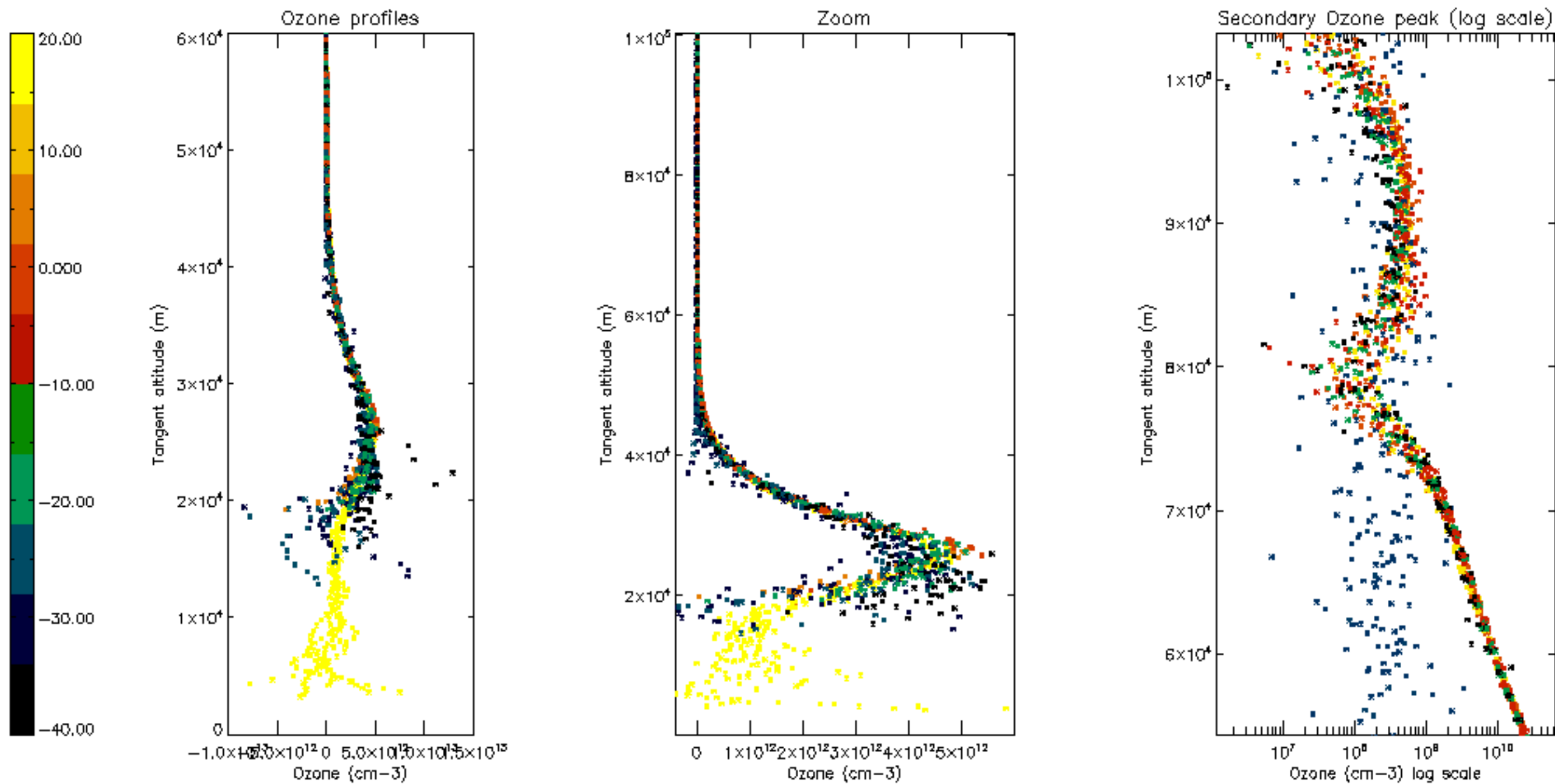


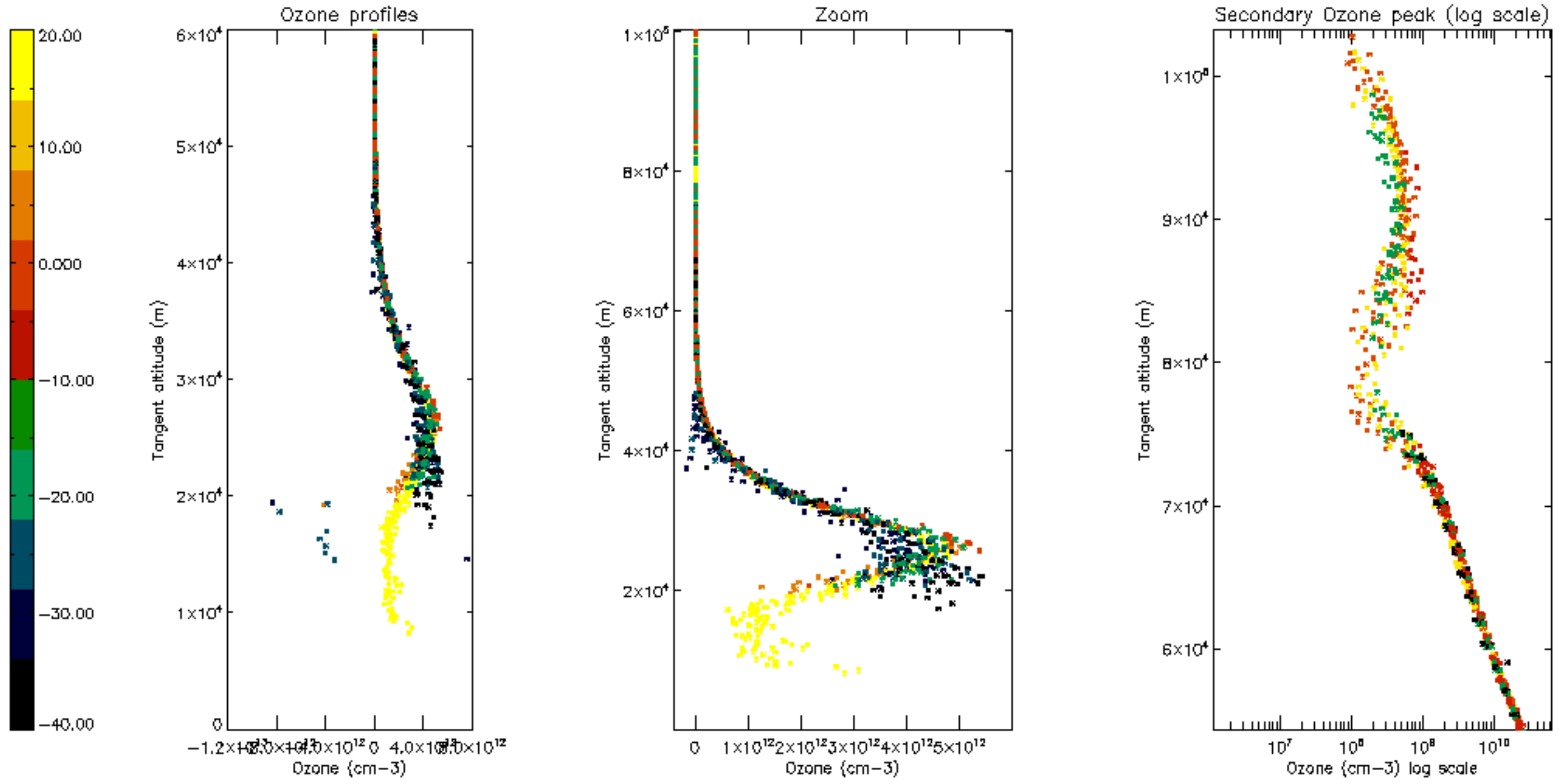
Percentage of star falling outside central band per profile

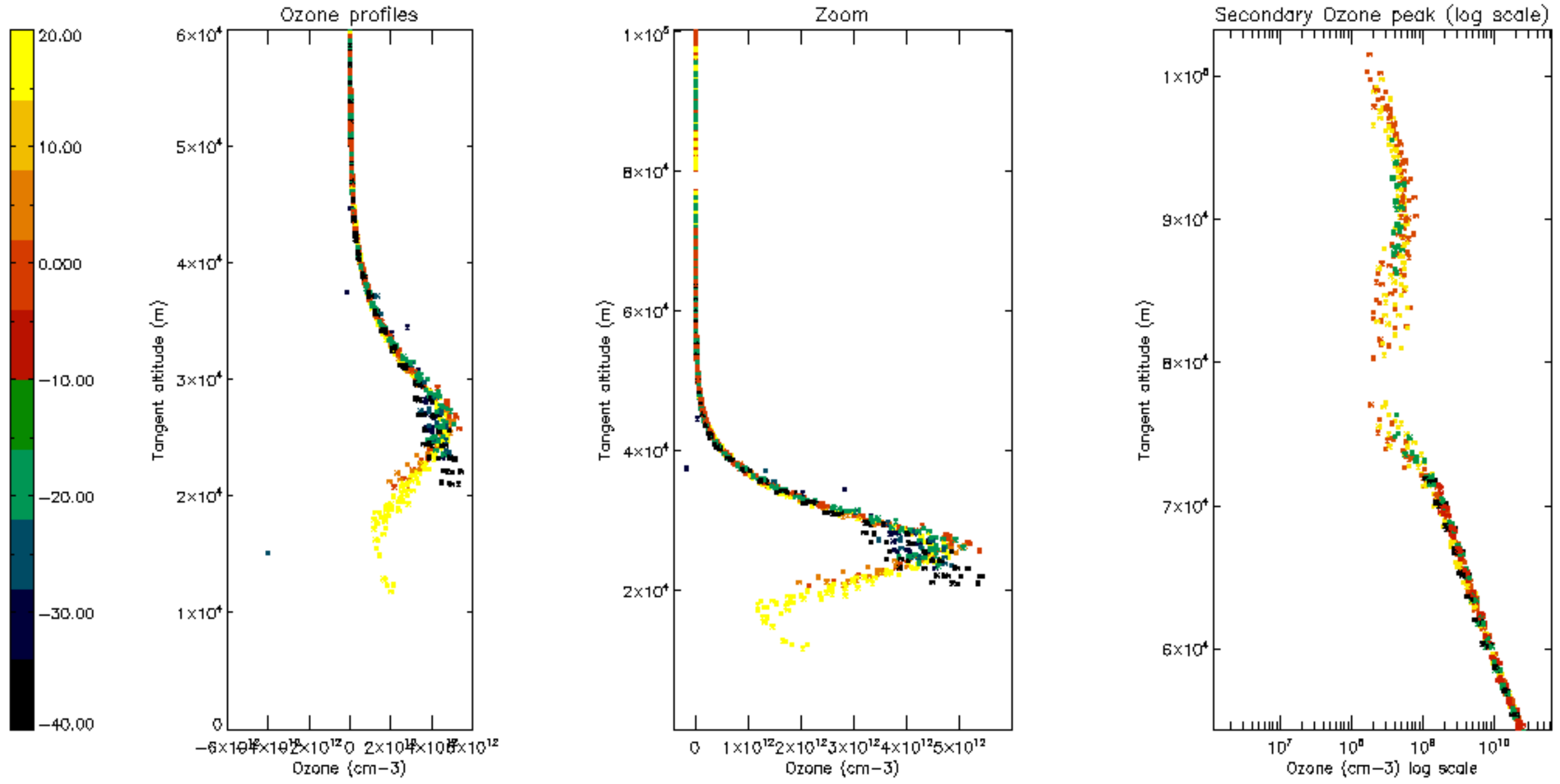


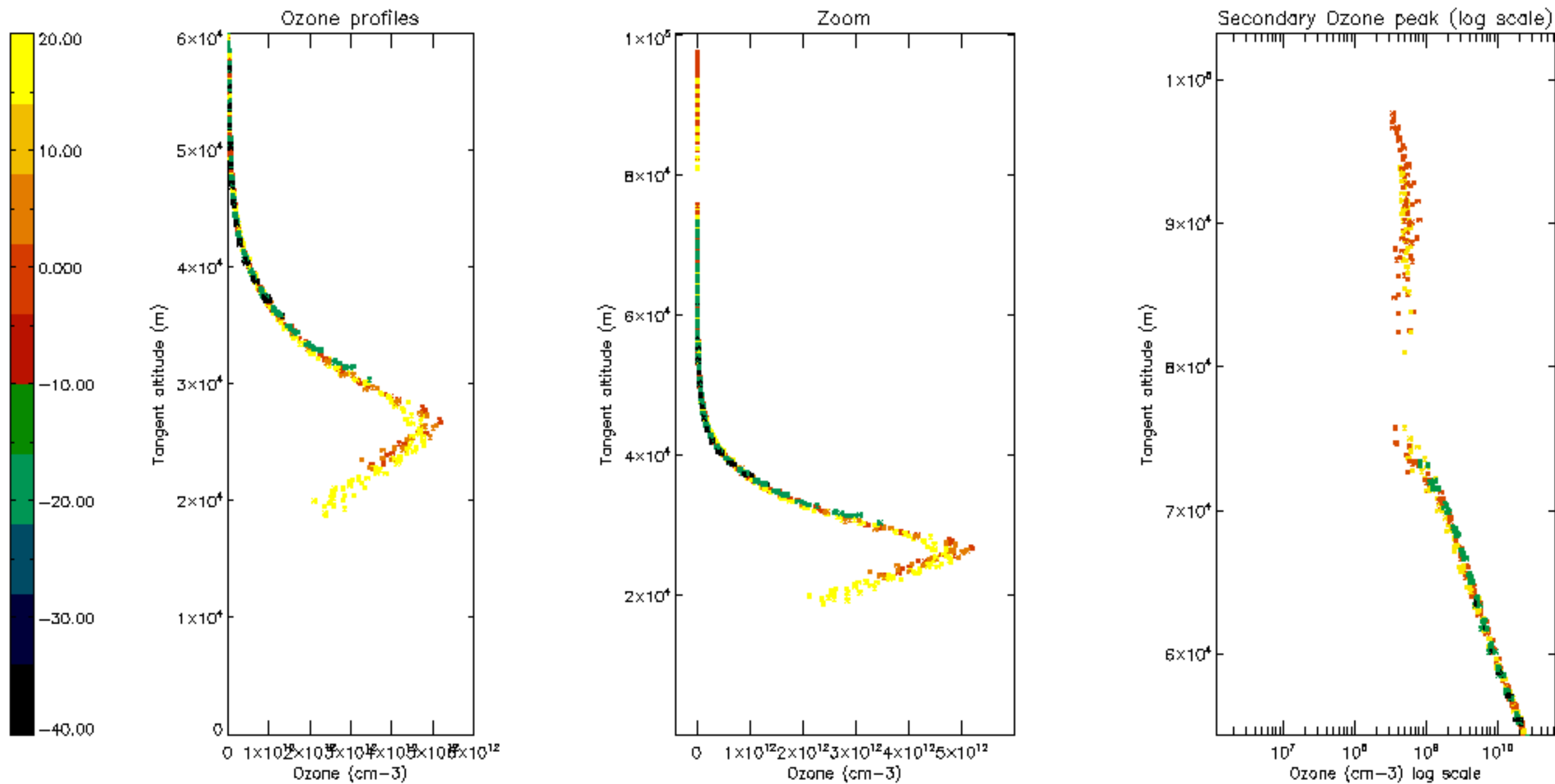
Percentage of saturation errors per profile

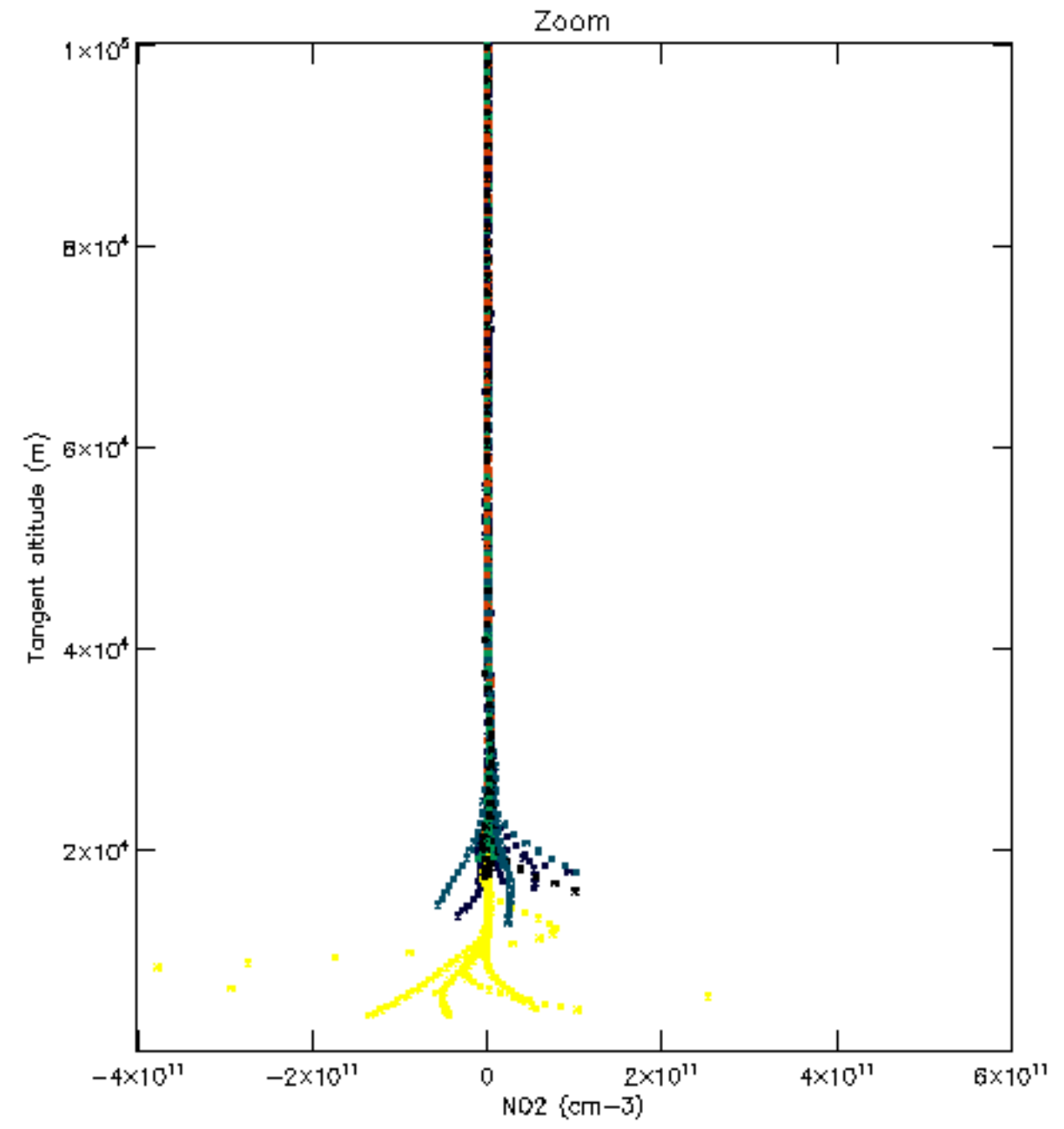
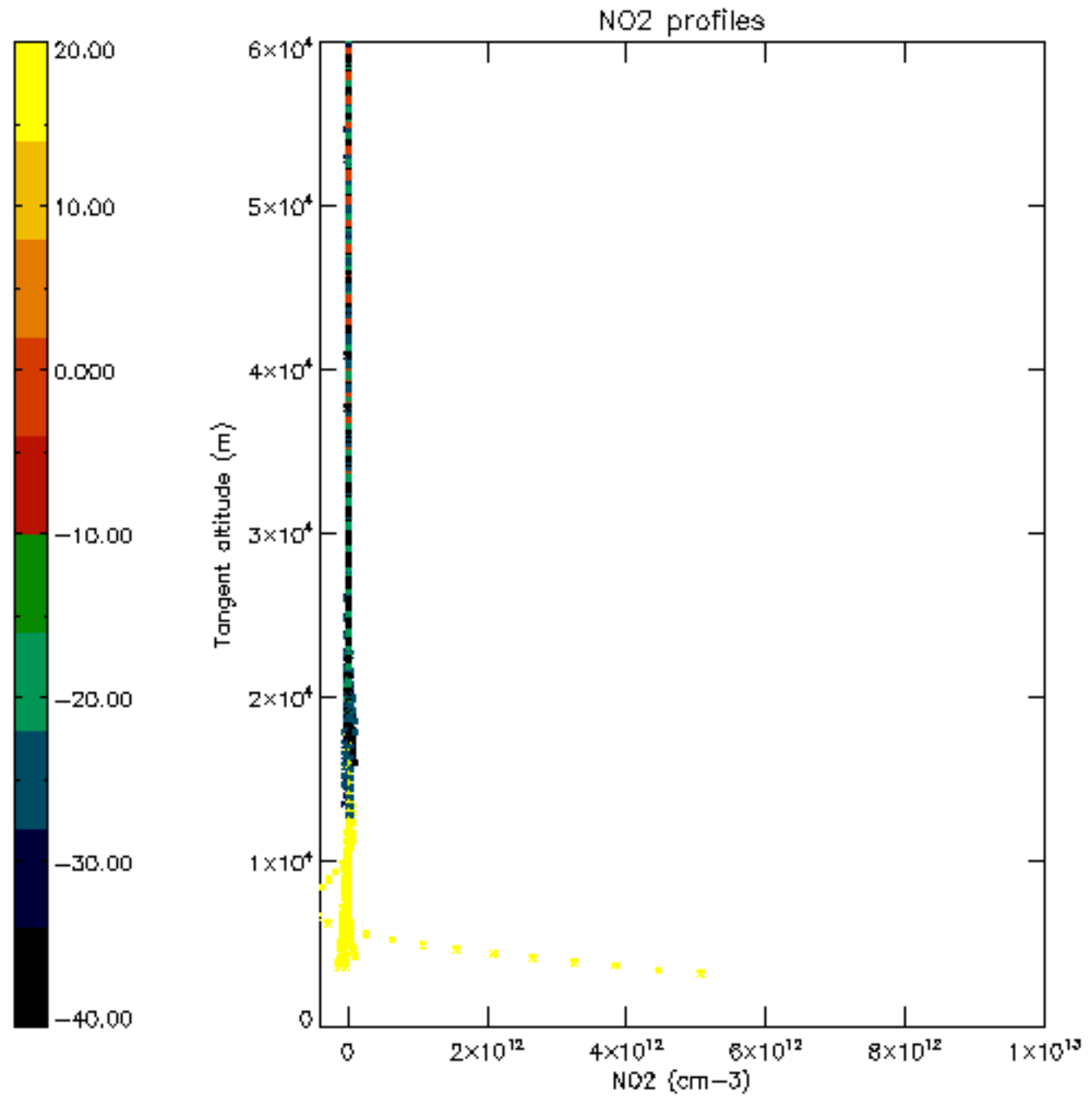


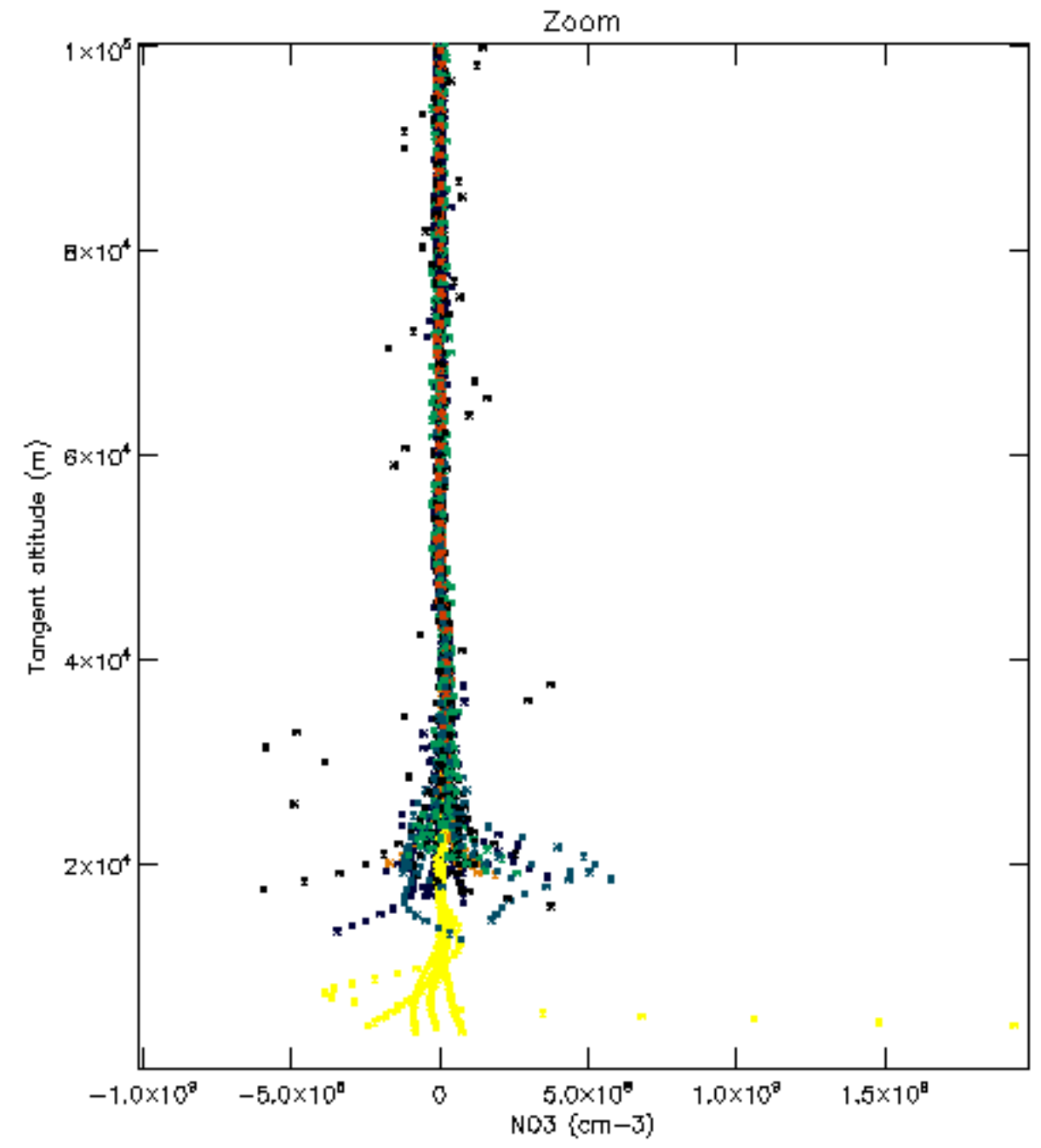
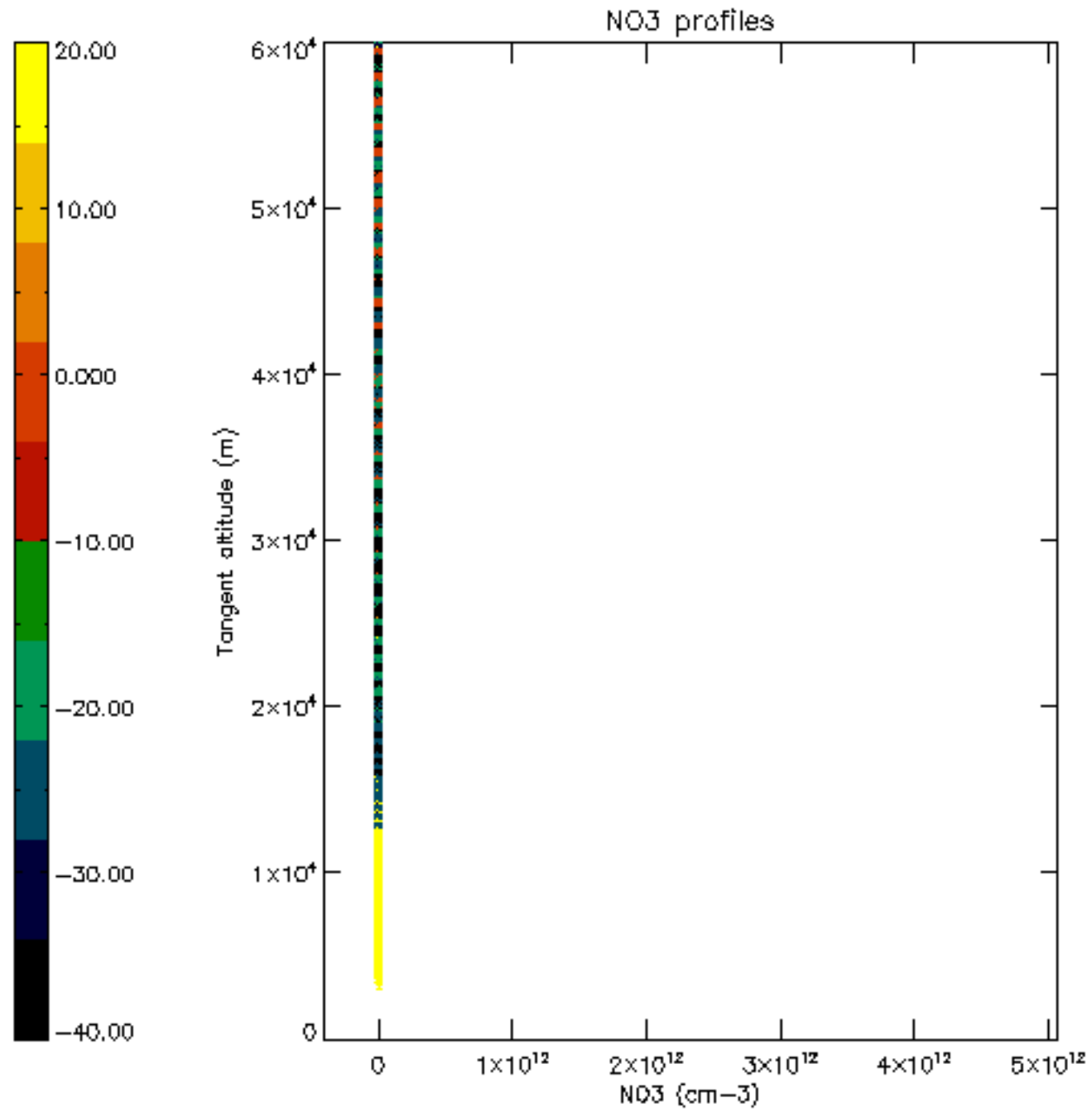


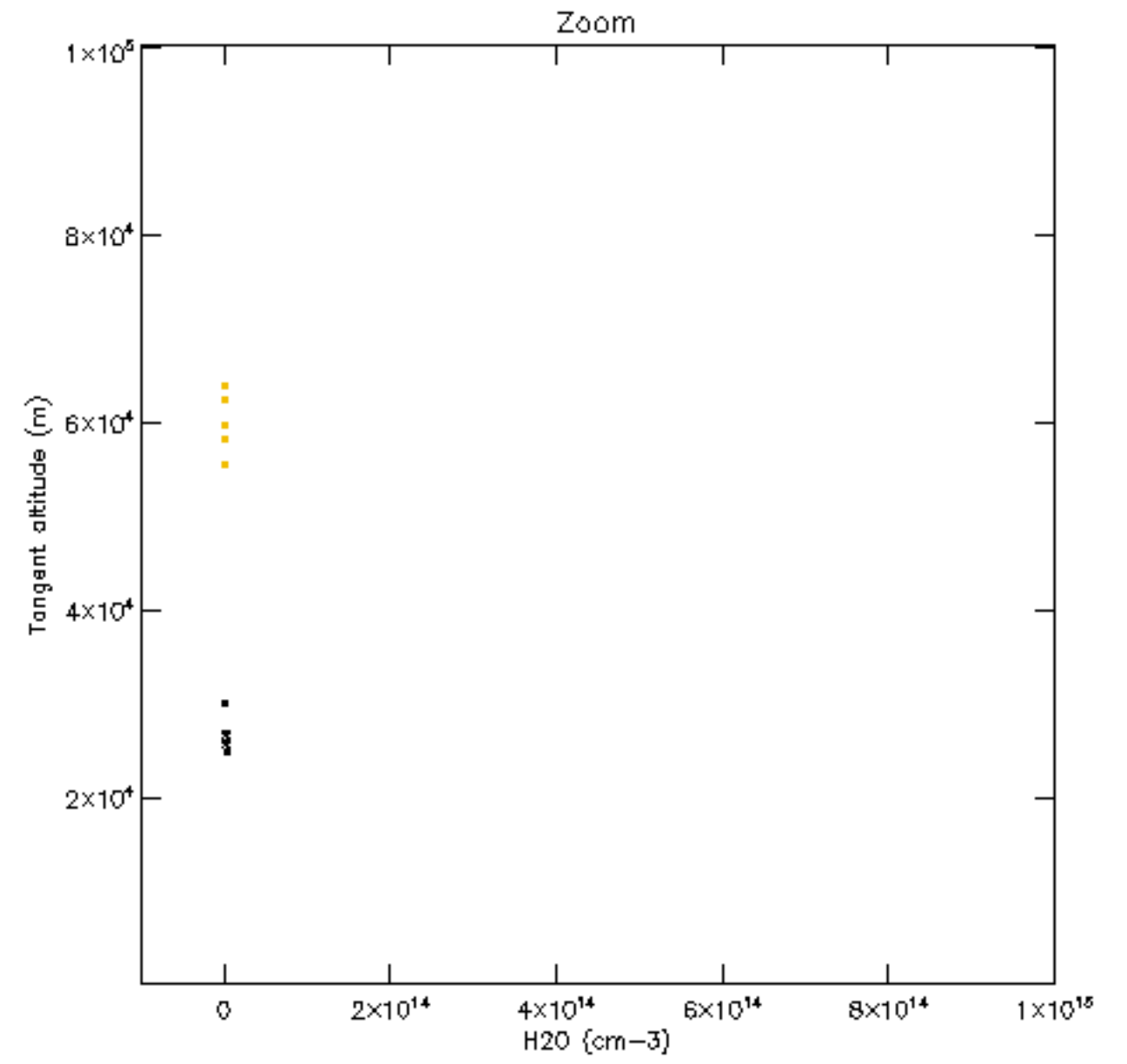
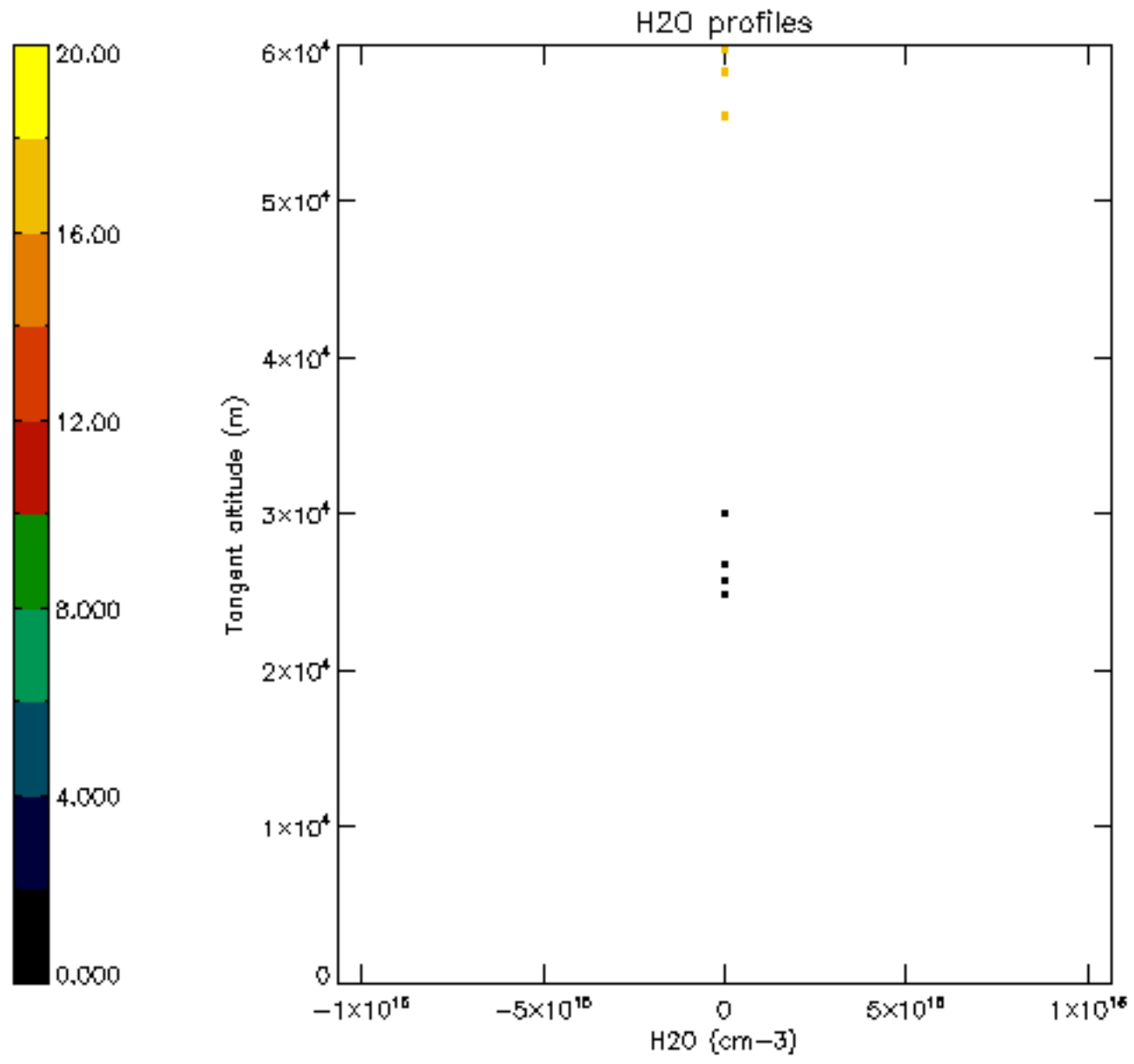


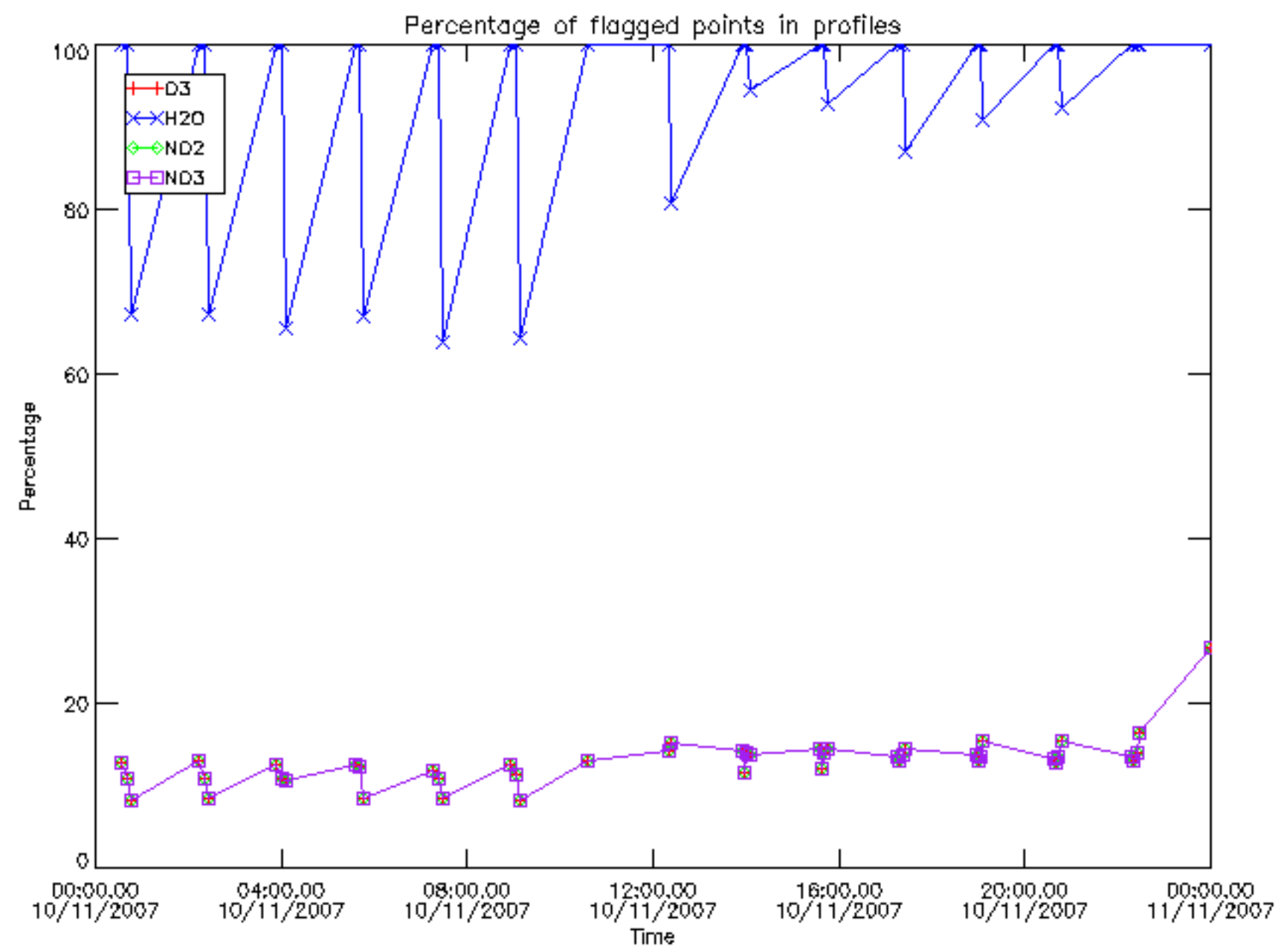




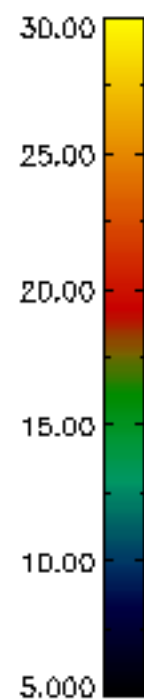
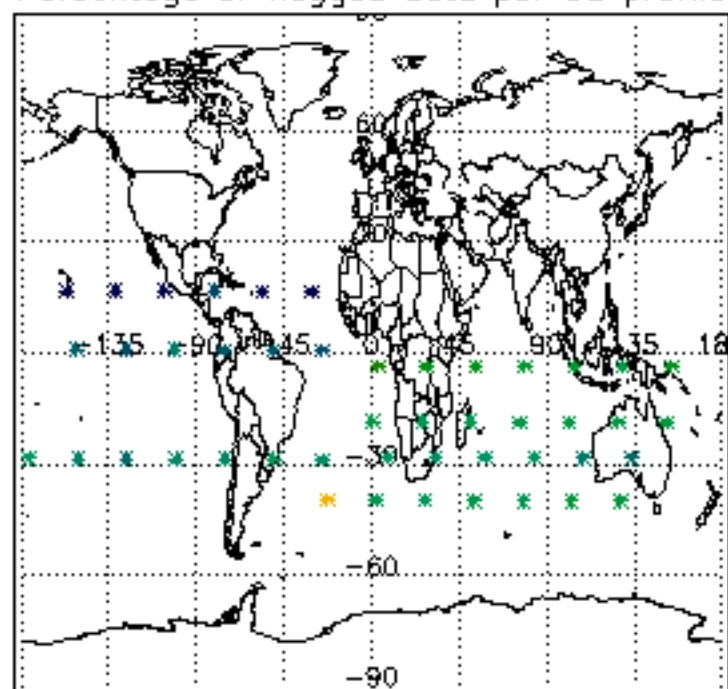




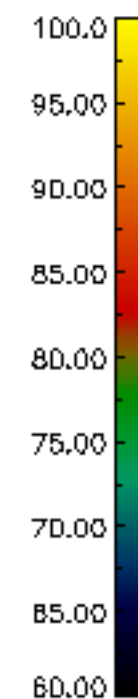
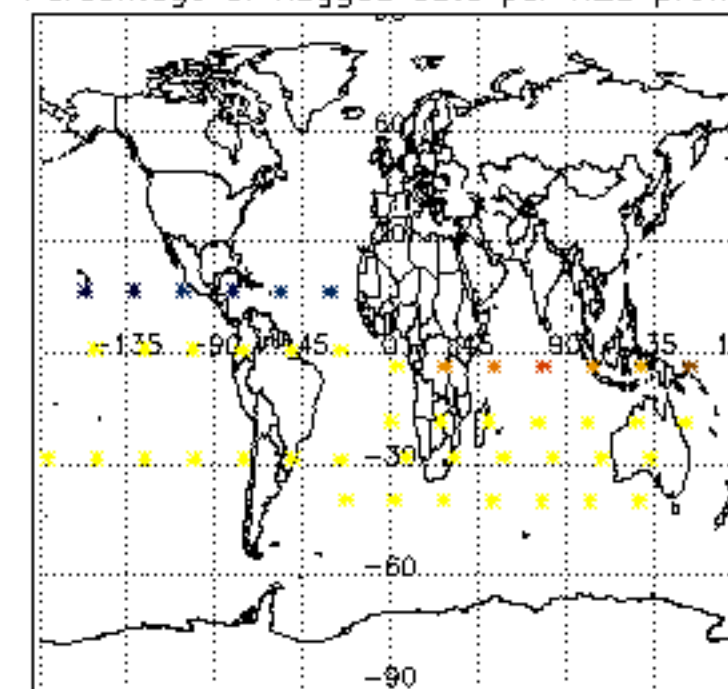




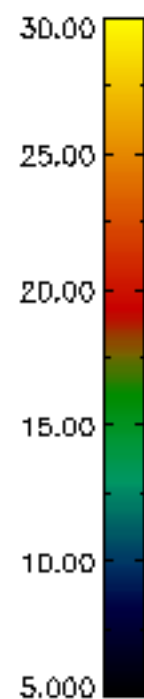
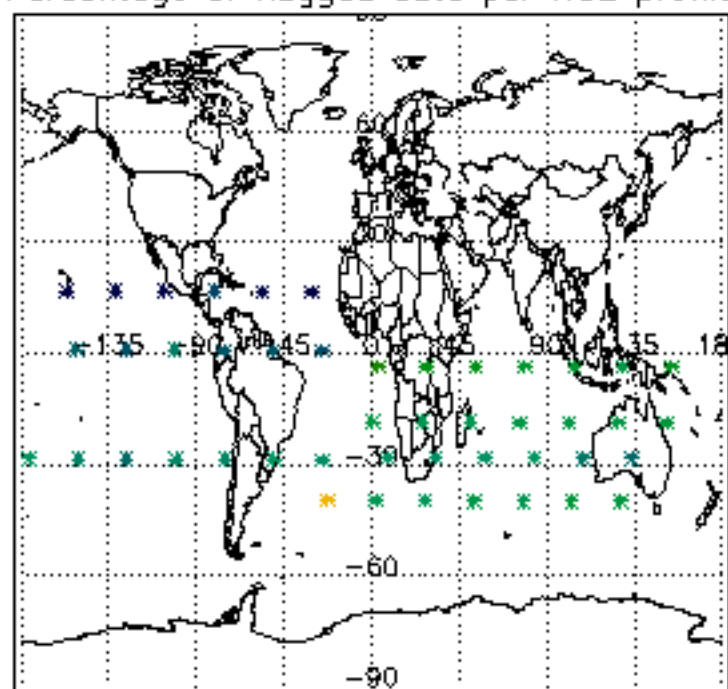
Percentage of flagged data per D3 profile



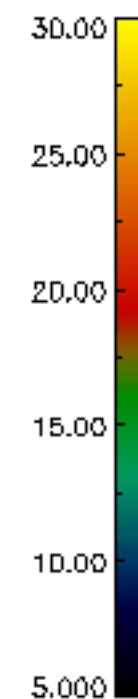
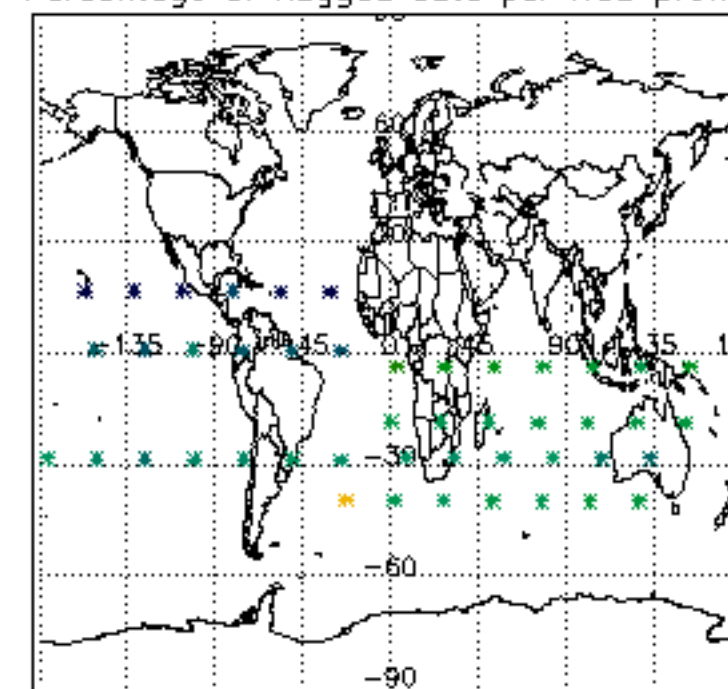
Percentage of flagged data per H2O profile

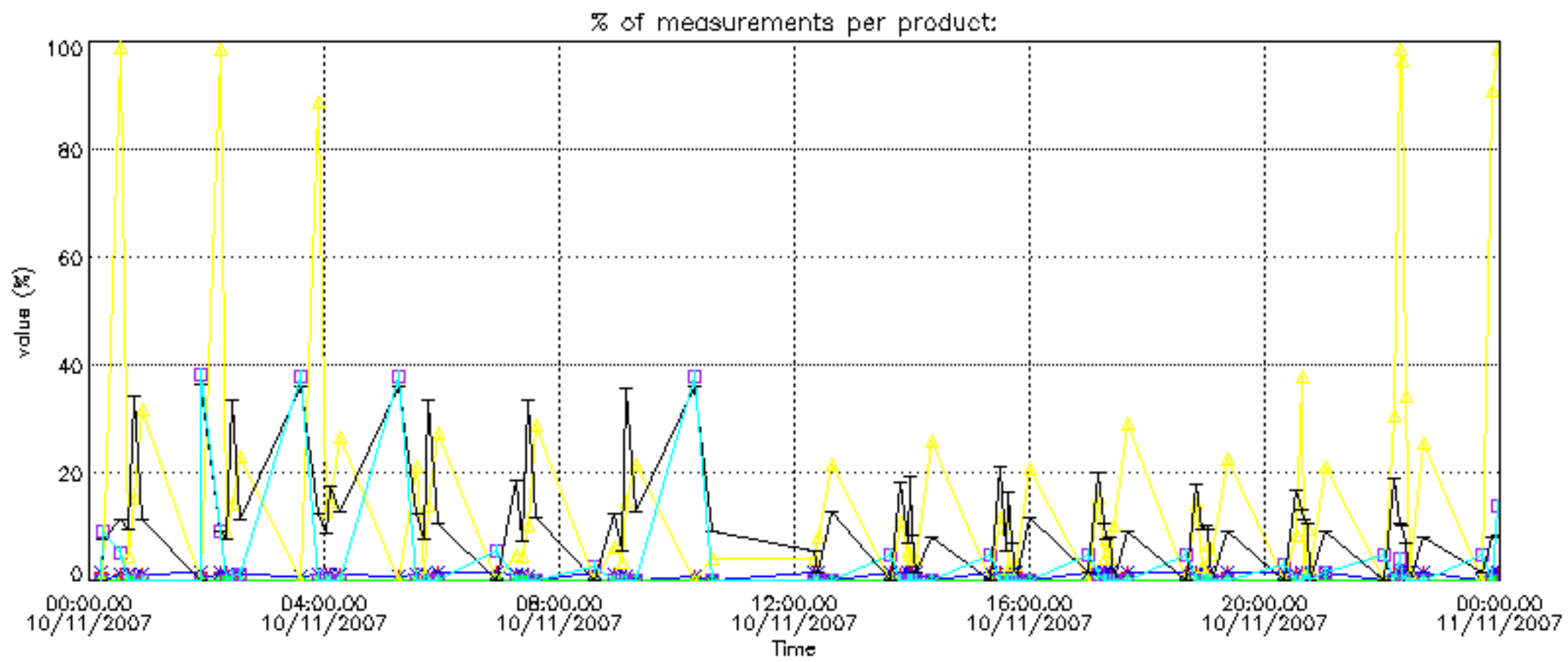


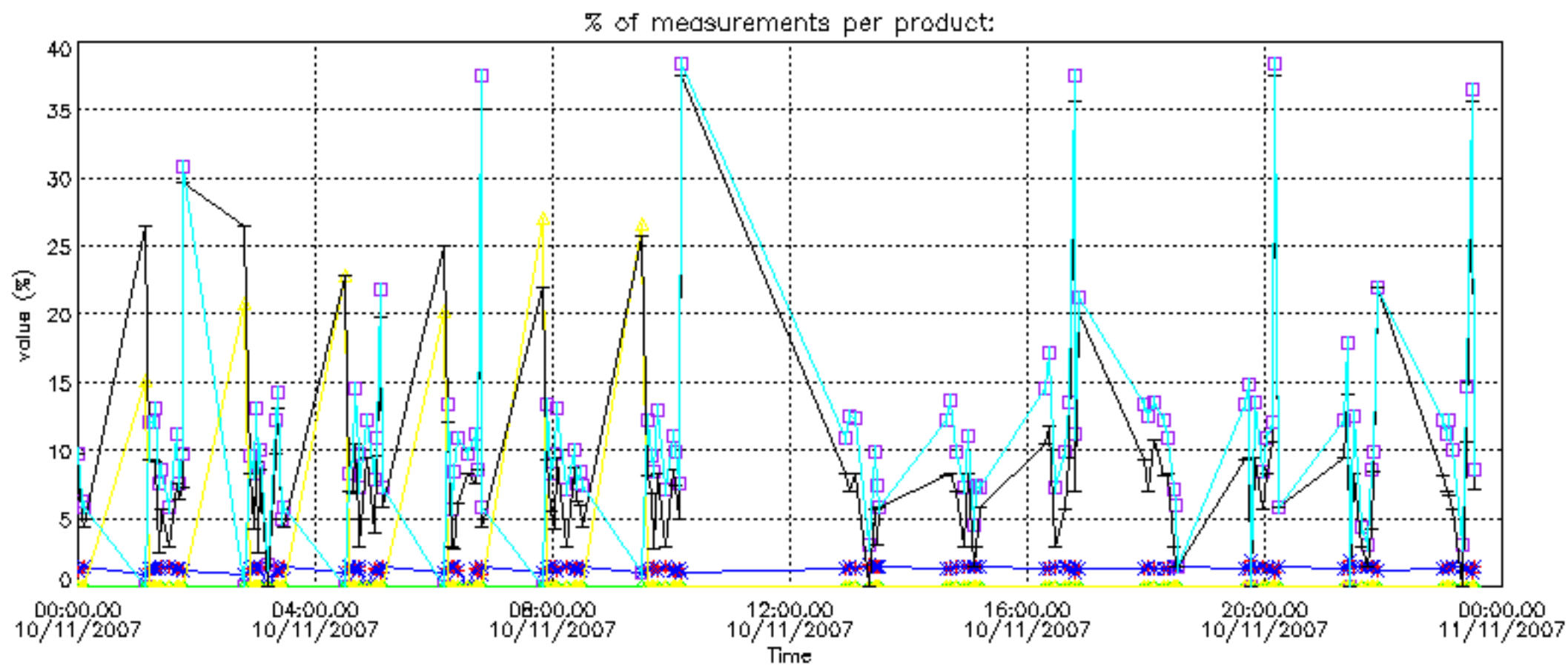
Percentage of flagged data per NO2 profile



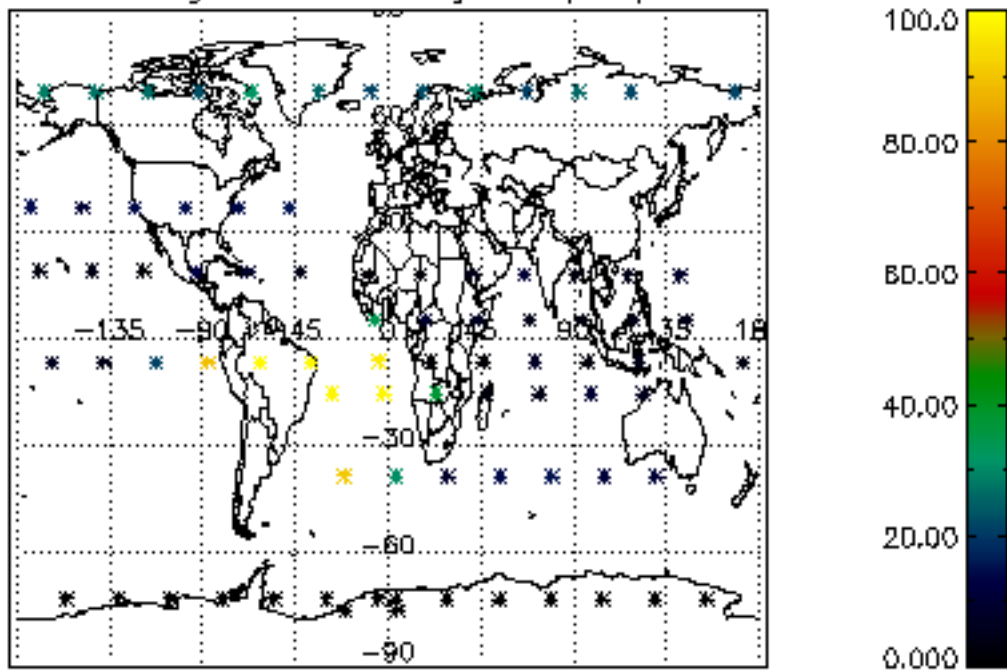
Percentage of flagged data per NO3 profile



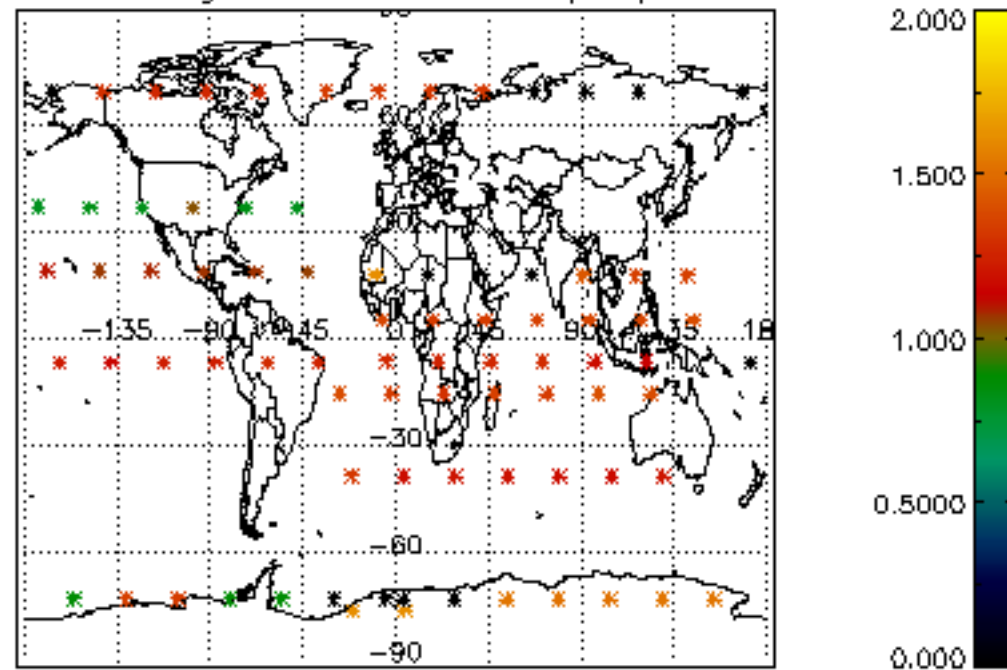




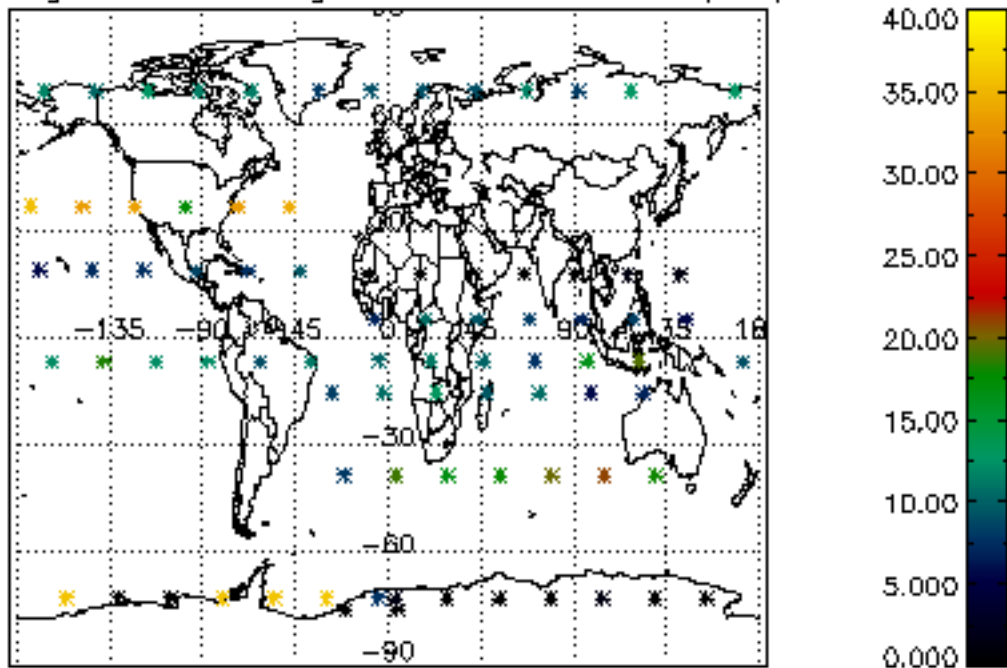
Percentage of cosmic ray hits per profile



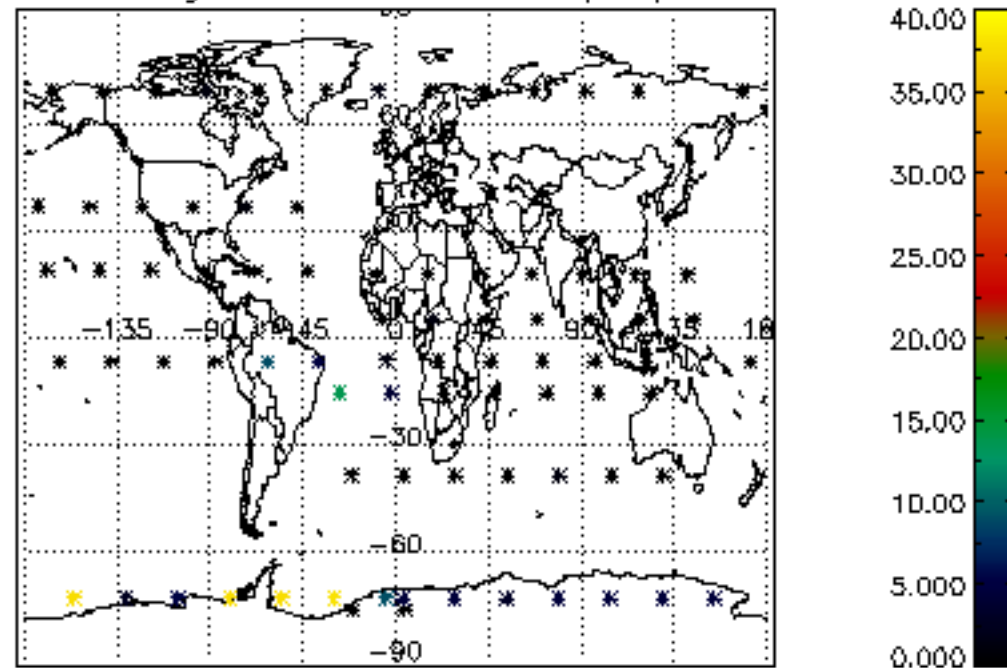
Percentage of datation errors per profile



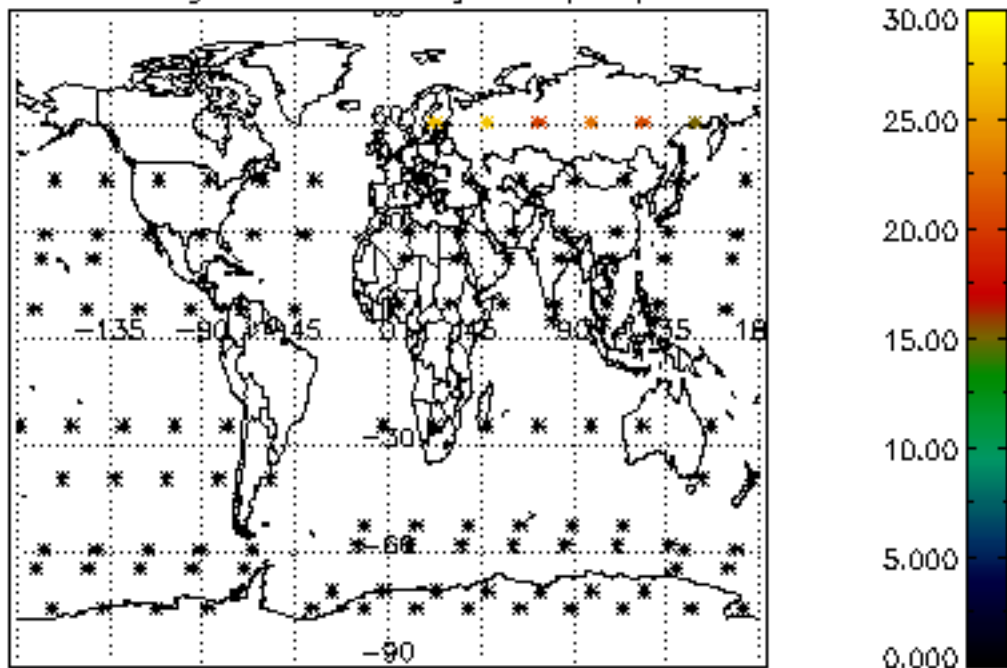
Percentage of star falling outside central band per profile



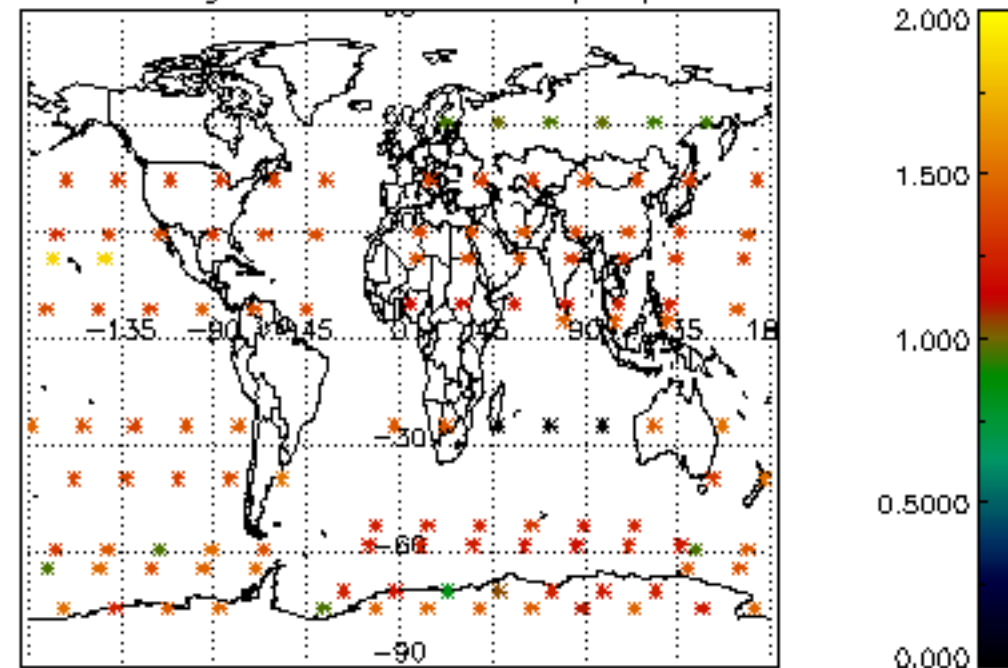
Percentage of saturation errors per profile



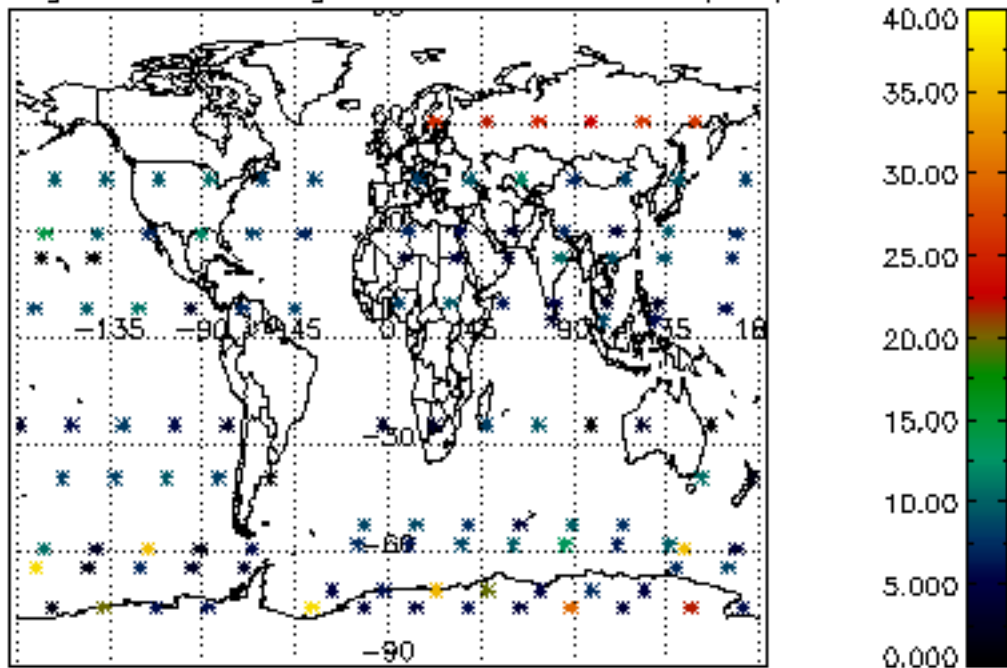
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

