

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	19APR2013 19:49:44
Data source version	GOMOS/6.01
Start time of products	08-09-2003 (08SEP2003 00:00:00)
Stop time of products	09-09-2003 (09SEP2003 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	147
Nb of prods with errors	5

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__2PRFIN20030908_000015_000000652019_00388_07957_8883.N1	08-SEP-2003 00:00:15	Bright	65.000	6	13Alp Aur	0.080000	3400.0	130	7957	No
2	GOM_NL__2PRFIN20030908_000427_000000532019_00388_07957_8884.N1	08-SEP-2003 00:04:27	Bright	52.500	107	37The Aur	2.6490	11000.	105	7957	No
3	GOM_NL__2PRFIN20030908_000657_000000452019_00388_07957_8885.N1	08-SEP-2003 00:06:57	Bright	44.500	17	78Bet Gem	1.1610	4500.0	89	7957	No
4	GOM_NL__2PRFIN20030908_000848_000000862019_00388_07957_8886.N1	08-SEP-2003 00:08:48	Twilight	86.000	28	12Bet Tau	1.6500	15200.	172	7957	No
5	GOM_NL__2PRFIN20030908_001201_000000612019_00388_07957_8887.N1	08-SEP-2003 00:12:01	Twilight	61.000	44	24Gam Gem	1.9280	11000.	122	7957	No
6	GOM_NL__2PRFIN20030908_001355_000000512019_00388_07957_8888.N1	08-SEP-2003 00:13:55	Twilight	51.000	8	10Alp CMi	0.400000	6500.0	102	7957	No
7	GOM_NL__2PRFIN20030908_001728_000000812019_00388_07957_8889.N1	08-SEP-2003 00:17:28	Dark	80.500	14	58Alp Ori	0.870000	3000.0	161	7957	No
8	GOM_NL__2PRFIN20030908_002206_000000552019_00388_07957_8890.N1	08-SEP-2003 00:22:06	Dark	54.500	1	9Alp CMa	-1.4400	11000.	109	7957	No
9	GOM_NL__2PRFIN20030908_002438_000000472019_00388_07957_8891.N1	08-SEP-2003 00:24:38	Dark	47.000	23	21Eps CMa	1.5020	26000.	94	7957	No
10	GOM_NL__2PRFIN20030908_002602_000000432019_00388_07957_8892.N1	08-SEP-2003 00:26:02	Dark	43.000	117	Pi Pup	2.7060	3800.0	86	7957	No
11	GOM_NL__2PRFIN20030908_002731_000000402019_00388_07957_8893.N1	08-SEP-2003 00:27:31	Dark	39.500	34	Gam2Vel	1.7930	23000.	79	7957	No
12	GOM_NL__2PRFIN20030908_004112_000000402019_00389_07958_8864.N1	08-SEP-2003 00:41:12	Dark	40.000	135	Bet Hyi	2.8200	5800.0	80	7958	No
13	GOM_NL__2PRFIN20030908_004301_000000552019_00389_07958_8865.N1	08-SEP-2003 00:43:01	Dark	54.500	9	Alp Eri	0.45300	24000.	109	7958	No
14	GOM_NL__2PRFIN20030908_004646_000000442019_00389_07958_8866.N1	08-SEP-2003 00:46:46	Straylight	43.500	148	Alp Tuc	2.8780	4100.0	87	7958	No
15	GOM_NL__2PRFIN20030908_004855_000000562019_00389_07958_8867.N1	08-SEP-2003 00:48:55	Straylight	55.500	84	Alp Phe	2.3970	4500.0	111	7958	No
16	GOM_NL__2PRFIN20030908_005026_000000472019_00389_07958_8868.N1	08-SEP-2003 00:50:26	Straylight	47.000	31	Alp Gru	1.7340	15200.	94	7958	No
17	GOM_NL__2PRFIN20030908_005317_000000402019_00389_07958_8869.N1	08-SEP-2003 00:53:17	Straylight	39.500	172	Gam Gru	3.0030	13100.	79	7958	No
18	GOM_NL__2PRFIN20030908_005436_000000482019_00389_07958_8870.N1	08-SEP-2003 00:54:36	Straylight	48.000	18	24Alp PsA	1.1660	9700.0	96	7958	No
19	GOM_NL__2PRFIN20030908_005850_000000522019_00389_07958_8871.N1	08-SEP-2003 00:58:50	Dark	51.500	1014	Mars	0.0000	0.0000	103	7958	Yes
20	GOM_NL__2PRFIN20030908_010220_000000402019_00389_07958_8872.N1	08-SEP-2003 01:02:20	Bright	39.500	154	22Bet Aqr	2.8990	5700.0	79	7958	No
21	GOM_NL__2PRFIN20030908_010338_000000422019_00389_07958_8873.N1	08-SEP-2003 01:03:38	Bright	41.500	162	34Alp Aqr	2.9440	5350.0	83	7958	No
22	GOM_NL__2PRFIN20030908_010637_000000412019_00389_07958_8874.N1	08-SEP-2003 01:06:37	Bright	40.500	61	8Eps Peg	2.1000	3900.0	81	7958	No
23	GOM_NL__2PRFIN20030908_010852_000000442019_00389_07958_8875.N1	08-SEP-2003 01:08:52	Bright	44.000	90	54Alp Peg	2.4870	11000.	88	7958	No
24	GOM_NL__2PRFIN20030908_011306_000000432019_00389_07958_8876.N1	08-SEP-2003 01:13:06	Bright	43.000	164	44Eta Peg	2.9480	5400.0	86	7958	No
25	GOM_NL__2PRFIN20030908_011537_000000392019_00389_07958_8877.N1	08-SEP-2003 01:15:37	Bright	39.000	66	37Gam Cyg	2.2080	5900.0	78	7958	No
26	GOM_NL__2PRFIN20030908_011734_000000372019_00389_07958_8878.N1	08-SEP-2003 01:17:34	Bright	37.000	144	18Del Cyg	2.8600	11000.	74	7958	No
27	GOM_NL__2PRFIN20030908_012130_000000412019_00389_07958_8879.N1	08-SEP-2003 01:21:30	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	7958	No
28	GOM_NL__2PRFIN20030908_012331_000000442019_00389_07958_8880.N1	08-SEP-2003 01:23:31	Bright	43.500	74	11Bet Cas	2.2680	6600.0	87	7958	No
29	GOM_NL__2PRFIN20030908_012530_000000432019_00389_07958_8881.N1	08-SEP-2003 01:25:30	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	7958	No
30	GOM_NL__2PRFIN20030908_012915_000000392019_00389_07958_8882.N1	08-SEP-2003 01:29:15	Bright	39.000	49	1Alp UMi	1.9900	6300.0	78	7958	No
31	GOM_NL__2PRFIN20030908_013221_000000582019_00389_07958_8883.N1	08-SEP-2003 01:32:21	Bright	57.500	160	23Gam Per	2.9300	4700.0	115	7958	No
32	GOM_NL__2PRFIN20030908_013606_000000402019_00389_07958_8884.N1	08-SEP-2003 01:36:06	Bright	39.500	36	50Alp UMa	1.8000	6300.0	79	7958	No
33	GOM_NL__2PRFIN20030908_013731_000000372019_00389_07958_8885.N1	08-SEP-2003 01:37:31	Bright	37.000	82	48Bet UMa	2.3650	10600.	74	7958	No
34	GOM_NL__2PRFIN20030908_014051_000000672019_00389_07958_8886.N1	08-SEP-2003 01:40:51	Bright	67.000	6	13Alp Aur	0.080000	3400.0	134	7958	No
35	GOM_NL__2PRFIN20030908_014502_000000552019_00389_07958_8887.N1	08-SEP-2003 01:45:02	Bright	55.000	107	37The Aur	2.6490	11000.	110	7958	No
36	GOM_NL__2PRFIN20030908_014733_000000432019_00389_07958_8888.N1	08-SEP-2003 01:47:33	Bright	43.000	17	78Bet Gem	1.1610	4500.0	86	7958	No
37	GOM_NL__2PRFIN20030908_014924_000000862019_00389_07958_8889.N1	08-SEP-2003 01:49:24	Twilight	85.500	28	12Bet Tau	1.6500	15200.	171	7958	No
38	GOM_NL__2PRFIN20030908_015237_000000532019_00389_07958_8890.N1	08-SEP-2003 01:52:37	Twilight	53.000	44	24Gam Gem	1.9280	11000.	106	7958	No
39	GOM_NL__2PRFIN20030908_015431_000000572019_00389_07958_8891.N1	08-SEP-2003 01:54:31	Twilight	57.000	8	10Alp CMi	0.400000	6500.0	114	7958	No
40	GOM_NL__2PRFIN20030908_015805_000000792019_00389_07958_8892.N1	08-SEP-2003 01:58:05	Dark	79.000	14	58Alp Ori	0.870000	3000.0	158	7958	No
41	GOM_NL__2PRFIN20030908_020242_000000532019_00389_07958_8893.N1	08-SEP-2003 02:02:42	Dark	52.500	1	9Alp CMa	-1.4400	11000.	105	7958	No
42	GOM_NL__2PRFIN20030908_020518_000000452019_00389_07958_8894.N1	08-SEP-2003 02:05:18	Dark	45.000	23	21Eps CMa	1.5020	26000.	90	7958	No

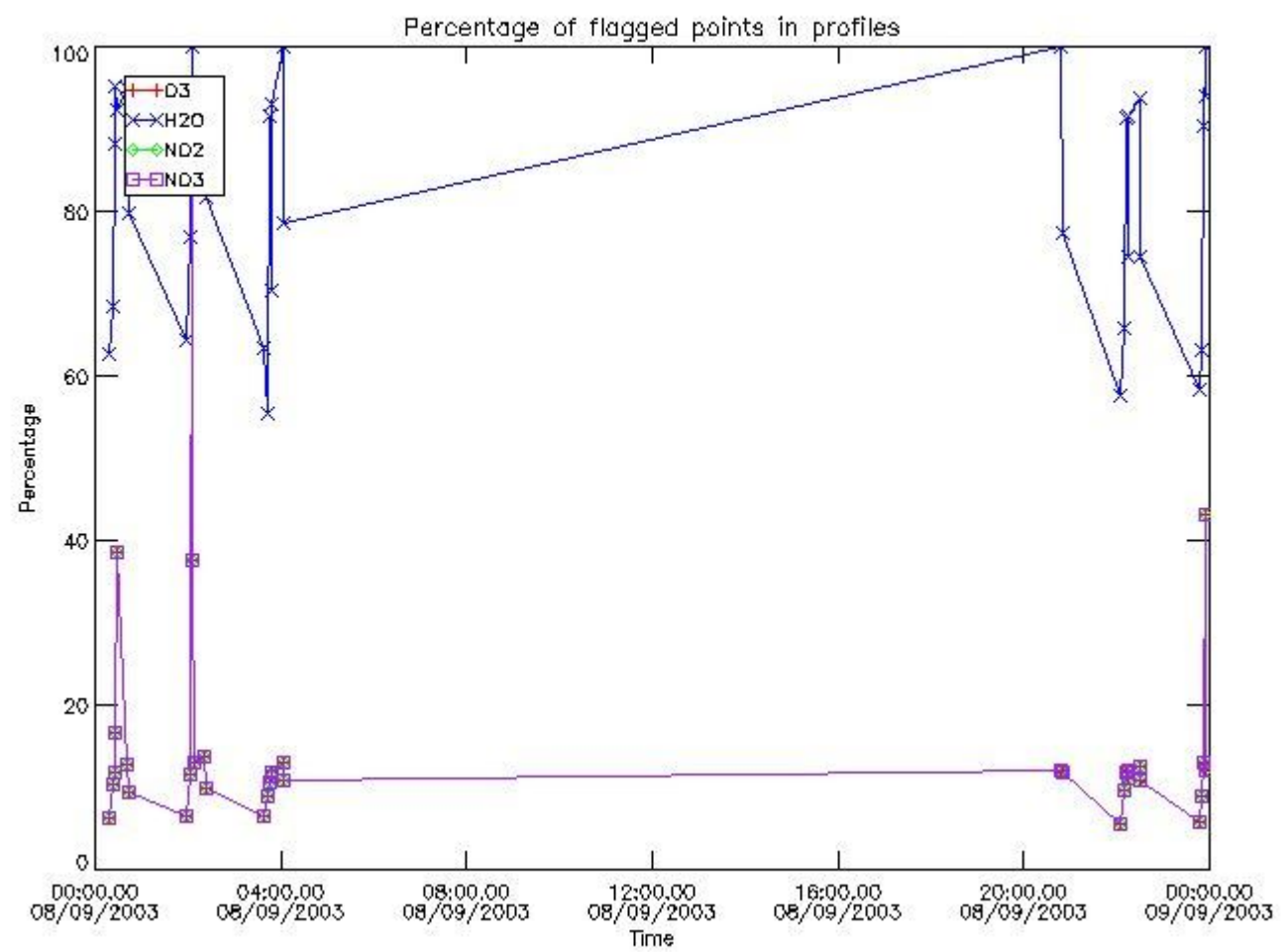
43	GOM_NL__2PRFIN20030908_020639_000000472019_00389_07958_8895.N1	08-SEP-2003 02:06:39	Dark	47.000	117	Pi Pup	2.7060	3800.0	94	7958	No
44	GOM_NL__2PRFIN20030908_020807_000000392019_00389_07958_8896.N1	08-SEP-2003 02:08:07	Dark	39.000	34	Gam2Vel	1.7930	23000.	78	7958	No
45	GOM_NL__2PRFIN20030908_022148_000000412019_00390_07959_5690.N1	08-SEP-2003 02:21:48	Dark	40.500	135	Bet Hyi	2.8200	5800.0	81	7959	No
46	GOM_NL__2PRFIN20030908_022338_000000522019_00390_07959_5691.N1	08-SEP-2003 02:23:38	Dark	52.000	9	Alp Eri	0.45300	24000.	104	7959	No
47	GOM_NL__2PRFIN20030908_022722_000000422019_00390_07959_5692.N1	08-SEP-2003 02:27:22	Straylight	42.000	148	Alp Tuc	2.8780	4100.0	84	7959	No
48	GOM_NL__2PRFIN20030908_022932_000000462019_00390_07959_5693.N1	08-SEP-2003 02:29:32	Straylight	45.500	84	Alp Phe	2.3970	4500.0	91	7959	No
49	GOM_NL__2PRFIN20030908_023102_000000432019_00390_07959_5694.N1	08-SEP-2003 02:31:02	Straylight	43.000	31	Alp Gru	1.7340	15200.	86	7959	No
50	GOM_NL__2PRFIN20030908_023353_000000402019_00390_07959_5695.N1	08-SEP-2003 02:33:53	Straylight	40.000	172	Gam Gru	3.0030	13100.	80	7959	No
51	GOM_NL__2PRFIN20030908_023513_000000492019_00390_07959_5696.N1	08-SEP-2003 02:35:13	Straylight	48.500	18	24Alp PsA	1.1660	9700.0	97	7959	No
52	GOM_NL__2PRFIN20030908_023927_000000542019_00390_07959_5697.N1	08-SEP-2003 02:39:27	Dark	53.500	1014	Mars	0.0000	0.0000	107	7959	Yes
53	GOM_NL__2PRFIN20030908_024254_000000422019_00390_07959_5698.N1	08-SEP-2003 02:42:54	Bright	42.000	154	22Bet Aqr	2.8990	5700.0	84	7959	No
54	GOM_NL__2PRFIN20030908_024414_000000412019_00390_07959_5699.N1	08-SEP-2003 02:44:14	Bright	41.000	162	34Alp Aqr	2.9440	5350.0	82	7959	No
55	GOM_NL__2PRFIN20030908_024711_000000422019_00390_07959_5700.N1	08-SEP-2003 02:47:11	Bright	42.000	61	8Eps Peg	2.1000	3900.0	84	7959	No
56	GOM_NL__2PRFIN20030908_024928_000000452019_00390_07959_5701.N1	08-SEP-2003 02:49:28	Bright	44.500	90	54Alp Peg	2.4870	11000.	89	7959	No
57	GOM_NL__2PRFIN20030908_025341_000000422019_00390_07959_5702.N1	08-SEP-2003 02:53:41	Bright	41.500	164	44Eta Peg	2.9480	5400.0	83	7959	No
58	GOM_NL__2PRFIN20030908_025613_000000402019_00390_07959_5703.N1	08-SEP-2003 02:56:13	Bright	40.000	66	37Gam Cyg	2.2080	5900.0	80	7959	No
59	GOM_NL__2PRFIN20030908_025810_000000392019_00390_07959_5704.N1	08-SEP-2003 02:58:10	Bright	38.500	144	18Del Cyg	2.8600	11000.	77	7959	No
60	GOM_NL__2PRFIN20030908_030206_000000382019_00390_07959_5705.N1	08-SEP-2003 03:02:06	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	7959	No
61	GOM_NL__2PRFIN20030908_030406_000000442019_00390_07959_5706.N1	08-SEP-2003 03:04:06	Bright	43.500	74	11Bet Cas	2.2680	6600.0	87	7959	No
62	GOM_NL__2PRFIN20030908_030606_000000472019_00390_07959_5707.N1	08-SEP-2003 03:06:06	Bright	46.500	76	27Gam Cas	2.3000	30000.	93	7959	No
63	GOM_NL__2PRFIN20030908_030952_000000342019_00390_07959_5708.N1	08-SEP-2003 03:09:52	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	7959	No
64	GOM_NL__2PRFIN20030908_031255_000000592019_00390_07959_5709.N1	08-SEP-2003 03:12:55	Bright	58.500	160	23Gam Per	2.9300	4700.0	117	7959	No
65	GOM_NL__2PRFIN20030908_031643_000000392019_00390_07959_5710.N1	08-SEP-2003 03:16:43	Bright	38.500	36	50Alp UMa	1.8000	6300.0	77	7959	No
66	GOM_NL__2PRFIN20030908_031807_000000442019_00390_07959_5711.N1	08-SEP-2003 03:18:07	Bright	44.000	82	48Bet UMa	2.3650	10600.	88	7959	No
67	GOM_NL__2PRFIN20030908_032126_000000652019_00390_07959_5712.N1	08-SEP-2003 03:21:26	Bright	65.000	6	13Alp Aur	0.080000	3400.0	130	7959	No
68	GOM_NL__2PRFIN20030908_032538_000000532019_00390_07959_5713.N1	08-SEP-2003 03:25:38	Bright	52.500	107	37The Aur	2.6490	11000.	105	7959	No
69	GOM_NL__2PRFIN20030908_032810_000000432019_00390_07959_5714.N1	08-SEP-2003 03:28:10	Bright	43.000	17	78Bet Gem	1.1610	4500.0	86	7959	No
70	GOM_NL__2PRFIN20030908_033001_000000842019_00390_07959_5715.N1	08-SEP-2003 03:30:01	Twl_and_stray	84.000	28	12Bet Tau	1.6500	15200.	168	7959	No
71	GOM_NL__2PRFIN20030908_033314_000000622019_00390_07959_5716.N1	08-SEP-2003 03:33:14	Twl_and_stray	62.000	44	24Gam Gem	1.9280	11000.	124	7959	No
72	GOM_NL__2PRFIN20030908_033507_000000482019_00390_07959_5717.N1	08-SEP-2003 03:35:07	Twilight	48.000	8	10Alp CMi	0.40000	6500.0	96	7959	No
73	GOM_NL__2PRFIN20030908_033842_000000782019_00390_07959_5718.N1	08-SEP-2003 03:38:42	Dark	78.000	14	58Alp Ori	0.87000	3000.0	156	7959	No
74	GOM_NL__2PRFIN20030908_034320_000000622019_00390_07959_5719.N1	08-SEP-2003 03:43:20	Dark	62.000	1	9Alp CMa	-1.4400	11000.	124	7959	No
75	GOM_NL__2PRFIN20030908_034554_000000482019_00390_07959_5720.N1	08-SEP-2003 03:45:54	Dark	48.000	23	21Eps CMa	1.5020	26000.	96	7959	No
76	GOM_NL__2PRFIN20030908_034716_000000502019_00390_07959_5721.N1	08-SEP-2003 03:47:16	Dark	49.500	117	Pi Pup	2.7060	3800.0	99	7959	No
77	GOM_NL__2PRFIN20030908_034843_000000442019_00390_07959_5722.N1	08-SEP-2003 03:48:43	Dark	43.500	34	Gam2Vel	1.7930	23000.	87	7959	No
78	GOM_NL__2PRFIN20030908_040224_000000402019_00391_07960_9346.N1	08-SEP-2003 04:02:24	Dark	39.500	135	Bet Hyi	2.8200	5800.0	79	7960	No
79	GOM_NL__2PRFIN20030908_040415_000000472019_00391_07960_9347.N1	08-SEP-2003 04:04:15	Dark	47.000	9	Alp Eri	0.45300	24000.	94	7960	No
80	GOM_NL__2PRFIN20030908_040757_000000472019_00391_07960_9348.N1	08-SEP-2003 04:07:57	Straylight	47.000	148	Alp Tuc	2.8780	4100.0	94	7960	No
81	GOM_NL__2PRFIN20030908_041141_000000422019_00391_07960_9349.N1	08-SEP-2003 04:11:41	Straylight	41.500	31	Alp Gru	1.7340	15200.	83	7960	No
82	GOM_NL__2PRFIN20030908_041428_000000402019_00391_07960_9350.N1	08-SEP-2003 04:14:28	Straylight	39.500	172	Gam Gru	3.0030	13100.	79	7960	No
83	GOM_NL__2PRFIN20030908_041549_000000462019_00391_07960_9351.N1	08-SEP-2003 04:15:49	Straylight	46.000	18	24Alp PsA	1.1660	9700.0	92	7960	No
84	GOM_NL__2PRFIN20030908_042002_000000542019_00391_07960_9352.N1	08-SEP-2003 04:20:02	Dark	54.000	1014	Mars	0.0000	0.0000	108	7960	Yes
85	GOM_NL__2PRFIN20030908_042332_000000392019_00391_07960_9353.N1	08-SEP-2003 04:23:32	Bright	38.500	154	22Bet Aqr	2.8990	5700.0	77	7960	No
86	GOM_NL__2PRFIN20030908_204823_000000432019_00401_07970_8504.N1	08-SEP-2003 20:48:23	Dark	42.500	135	Bet Hyi	2.8200	5800.0	85	7970	No
87	GOM_NL__2PRFIN20030908_205020_000000472019_00401_07970_8505.N1	08-SEP-2003 20:50:20	Dark	47.000	9	Alp Eri	0.45300	24000.	94	7970	No
88	GOM_NL__2PRFIN20030908_205400_000000482019_00401_07970_8506.N1	08-SEP-2003 20:54:00	Straylight	48.000	148	Alp Tuc	2.8780	4100.0	96	7970	No
89	GOM_NL__2PRFIN20030908_205613_000000482019_00401_07970_8507.N1	08-SEP-2003 20:56:13	Straylight	47.500	84	Alp Phe	2.3970	4500.0	95	7970	No
90	GOM_NL__2PRFIN20030908_210028_000000432019_00401_07970_8508.N1	08-SEP-2003 21:00:28	Straylight	43.000	172	Gam Gru	3.0030	13100.	86	7970	No
91	GOM_NL__2PRFIN20030908_210151_000000462019_00401_07970_8509.N1	08-SEP-2003 21:01:51	Straylight	45.500	18	24Alp PsA	1.1660	9700.0	91	7970	No
92	GOM_NL__2PRFIN20030908_210603_000000492019_00401_07970_8510.N1	08-SEP-2003 21:06:03	Dark	49.000	1014	Mars	0.0000	0.0000	98	7970	Yes
93	GOM_NL__2PRFIN20030908_210932_000000412019_00401_07970_8511.N1	08-SEP-2003 21:09:32	Bright	40.500	154	22Bet Aqr	2.8990	5700.0	81	7970	No
94	GOM_NL__2PRFIN20030908_211051_000000402019_00401_07970_8512.N1	08-SEP-2003 21:10:51	Bright	39.500	162	34Alp Aqr	2.9440	5350.0	79	7970	No
95	GOM_NL__2PRFIN20030908_211349_000000402019_00401_07970_8513.N1	08-SEP-2003 21:13:49	Bright	39.500	61	8Eps Peg	2.1000	3900.0	79	7970	No
96	GOM_NL__2PRFIN20030908_211559_000000442019_00401_07970_8514.N1	08-SEP-2003 21:15:59	Bright	44.000	90	54Alp Peg	2.4870	11000.	88	7970	No
97	GOM_NL__2PRFIN20030908_212012_000000432019_00401_07970_8515.N1	08-SEP-2003 21:20:12	Bright	42.500	164	44Eta Peg	2.9480	5400.0	85	7970	No
98	GOM_NL__2PRFIN20030908_212253_000000362019_00401_07970_8516.N1	08-SEP-2003 21:22:53	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	7970	No
99	GOM_NL__2PRFIN20030908_212449_000000392019_00401_07970_8517.N1	08-SEP-2003 21:24:49	Bright	38.500	144	18Del Cyg	2.8600	11000.	77	7970	No
100	GOM_NL__2PRFIN20030908_212843_000000392019_00401_07970_8518.N1	08-SEP-2003 21:28:43	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	7970	No
101	GOM_NL__2PRFIN20030908_213035_000000452019_00401_07970_8519.N1	08-SEP-2003 21:30:35	Bright	44.500	74	11Bet Cas	2.2680	6600.0	89	7970	No

102	GOM_NL__2PRFIN20030908_213234_000000472019_00401_07970_8520.N1	08-SEP-2003 21:32:34	Bright	46.500	76	27Gam Cas	2.3000	30000.	93	7970	No
103	GOM_NL__2PRFIN20030908_213626_000000402019_00401_07970_8521.N1	08-SEP-2003 21:36:26	Bright	39.500	49	1Alp UMi	1.9900	6300.0	79	7970	No
104	GOM_NL__2PRFIN20030908_213919_000000572019_00401_07970_8522.N1	08-SEP-2003 21:39:19	Bright	57.000	160	23Gam Per	2.9300	4700.0	114	7970	No
105	GOM_NL__2PRFIN20030908_214445_000000372019_00401_07970_8523.N1	08-SEP-2003 21:44:45	Bright	37.000	82	48Bet UMa	2.3650	10600.	74	7970	No
106	GOM_NL__2PRFIN20030908_214757_000000642019_00401_07970_8524.N1	08-SEP-2003 21:47:57	Bright	63.500	6	13Alp Aur	0.080000	3400.0	127	7970	No
107	GOM_NL__2PRFIN20030908_215213_000000532019_00401_07970_8525.N1	08-SEP-2003 21:52:13	Bright	52.500	107	37The Aur	2.6490	11000.	105	7970	No
108	GOM_NL__2PRFIN20030908_215446_000000452019_00401_07970_8526.N1	08-SEP-2003 21:54:46	Bright	45.000	17	78Bet Gem	1.1610	4500.0	90	7970	No
109	GOM_NL__2PRFIN20030908_215640_000000842019_00401_07970_8527.N1	08-SEP-2003 21:56:40	Twilight	84.000	28	12Bet Tau	1.6500	15200.	168	7970	No
110	GOM_NL__2PRFIN20030908_215954_000000572019_00401_07970_8528.N1	08-SEP-2003 21:59:54	Twilight	57.000	44	24Gam Gem	1.9280	11000.	114	7970	No
111	GOM_NL__2PRFIN20030908_220147_000000522019_00401_07970_8529.N1	08-SEP-2003 22:01:47	Twilight	52.000	8	10Alp CMi	0.40000	6500.0	104	7970	No
112	GOM_NL__2PRFIN20030908_220531_000000932019_00401_07970_8530.N1	08-SEP-2003 22:05:31	Dark	92.500	14	58Alp Ori	0.87000	3000.0	185	7970	No
113	GOM_NL__2PRFIN20030908_221003_000000532019_00401_07970_8531.N1	08-SEP-2003 22:10:03	Dark	53.000	1	9Alp CMa	-1.4400	11000.	106	7970	No
114	GOM_NL__2PRFIN20030908_221236_000000472019_00401_07970_8532.N1	08-SEP-2003 22:12:36	Dark	47.000	23	21Eps CMa	1.5020	26000.	94	7970	No
115	GOM_NL__2PRFIN20030908_221356_000000462019_00401_07970_8533.N1	08-SEP-2003 22:13:56	Dark	45.500	117	Pi Pup	2.7060	3800.0	91	7970	No
116	GOM_NL__2PRFIN20030908_221519_000000432019_00401_07970_8534.N1	08-SEP-2003 22:15:19	Dark	42.500	34	Gam2Vel	1.7930	23000.	85	7970	No
117	GOM_NL__2PRFIN20030908_222902_000000412019_00402_07971_9517.N1	08-SEP-2003 22:29:02	Dark	40.500	135	Bet Hyi	2.8200	5800.0	81	7971	No
118	GOM_NL__2PRFIN20030908_223056_000000482019_00402_07971_9518.N1	08-SEP-2003 22:30:56	Dark	47.500	9	Alp Eri	0.45300	24000.	95	7971	No
119	GOM_NL__2PRFIN20030908_223436_000000422019_00402_07971_9519.N1	08-SEP-2003 22:34:36	Straylight	42.000	148	Alp Tuc	2.8780	4100.0	84	7971	No
120	GOM_NL__2PRFIN20030908_223649_000000512019_00402_07971_9520.N1	08-SEP-2003 22:36:49	Straylight	51.000	84	Alp Phe	2.3970	4500.0	102	7971	No
121	GOM_NL__2PRFIN20030908_224105_000000402019_00402_07971_9521.N1	08-SEP-2003 22:41:05	Straylight	40.000	172	Gam Gru	3.0030	13100.	80	7971	No
122	GOM_NL__2PRFIN20030908_224227_000000512019_00402_07971_9522.N1	08-SEP-2003 22:42:27	Straylight	50.500	18	24Alp PsA	1.1660	9700.0	101	7971	No
123	GOM_NL__2PRFIN20030908_224640_000000532019_00402_07971_9523.N1	08-SEP-2003 22:46:40	Dark	53.000	1014	Mars	0.0000	0.0000	106	7971	Yes
124	GOM_NL__2PRFIN20030908_225007_000000422019_00402_07971_9524.N1	08-SEP-2003 22:50:07	Bright	42.000	154	22Bet Aqr	2.8990	5700.0	84	7971	No
125	GOM_NL__2PRFIN20030908_225127_000000412019_00402_07971_9525.N1	08-SEP-2003 22:51:27	Bright	40.500	162	34Alp Aqr	2.9440	5350.0	81	7971	No
126	GOM_NL__2PRFIN20030908_225425_000000402019_00402_07971_9526.N1	08-SEP-2003 22:54:25	Bright	39.500	61	8Eps Peg	2.1000	3900.0	79	7971	No
127	GOM_NL__2PRFIN20030908_225634_000000462019_00402_07971_9527.N1	08-SEP-2003 22:56:34	Bright	46.000	90	54Alp Peg	2.4870	11000.	92	7971	No
128	GOM_NL__2PRFIN20030908_230049_000000422019_00402_07971_9528.N1	08-SEP-2003 23:00:49	Bright	42.000	164	44Eta Peg	2.9480	5400.0	84	7971	No
129	GOM_NL__2PRFIN20030908_230329_000000402019_00402_07971_9529.N1	08-SEP-2003 23:03:29	Bright	39.500	66	37Gam Cyg	2.2080	5900.0	79	7971	No
130	GOM_NL__2PRFIN20030908_230526_000000392019_00402_07971_9530.N1	08-SEP-2003 23:05:26	Bright	38.500	144	18Del Cyg	2.8600	11000.	77	7971	No
131	GOM_NL__2PRFIN20030908_230918_000000392019_00402_07971_9531.N1	08-SEP-2003 23:09:18	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	7971	No
132	GOM_NL__2PRFIN20030908_231110_000000442019_00402_07971_9532.N1	08-SEP-2003 23:11:10	Bright	43.500	74	11Bet Cas	2.2680	6600.0	87	7971	No
133	GOM_NL__2PRFIN20030908_231309_000000422019_00402_07971_9533.N1	08-SEP-2003 23:13:09	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	7971	No
134	GOM_NL__2PRFIN20030908_231700_000000402019_00402_07971_9534.N1	08-SEP-2003 23:17:00	Bright	39.500	49	1Alp UMi	1.9900	6300.0	79	7971	No
135	GOM_NL__2PRFIN20030908_231955_000000592019_00402_07971_9535.N1	08-SEP-2003 23:19:55	Bright	59.000	160	23Gam Per	2.9300	4700.0	118	7971	No
136	GOM_NL__2PRFIN20030908_232519_000000522019_00402_07971_9536.N1	08-SEP-2003 23:25:19	Bright	52.000	82	48Bet UMa	2.3650	10600.	104	7971	No
137	GOM_NL__2PRFIN20030908_232833_000000682019_00402_07971_9537.N1	08-SEP-2003 23:28:33	Bright	67.500	6	13Alp Aur	0.080000	3400.0	135	7971	No
138	GOM_NL__2PRFIN20030908_233250_000000542019_00402_07971_9538.N1	08-SEP-2003 23:32:50	Bright	54.000	107	37The Aur	2.6490	11000.	108	7971	No
139	GOM_NL__2PRFIN20030908_233522_000000462019_00402_07971_9539.N1	08-SEP-2003 23:35:22	Bright	45.500	17	78Bet Gem	1.1610	4500.0	91	7971	No
140	GOM_NL__2PRFIN20030908_233717_000000882019_00402_07971_9540.N1	08-SEP-2003 23:37:17	Twilight	87.500	28	12Bet Tau	1.6500	15200.	175	7971	No
141	GOM_NL__2PRFIN20030908_234031_000000582019_00402_07971_9541.N1	08-SEP-2003 23:40:31	Twilight	58.000	44	24Gam Gem	1.9280	11000.	116	7971	No
142	GOM_NL__2PRFIN20030908_234223_000000582019_00402_07971_9542.N1	08-SEP-2003 23:42:23	Twilight	58.000	8	10Alp CMi	0.40000	6500.0	116	7971	No
143	GOM_NL__2PRFIN20030908_234608_000000892019_00402_07971_9543.N1	08-SEP-2003 23:46:08	Dark	89.000	14	58Alp Ori	0.87000	3000.0	178	7971	No
144	GOM_NL__2PRFIN20030908_235040_000000582019_00402_07971_9544.N1	08-SEP-2003 23:50:40	Dark	57.500	1	9Alp CMa	-1.4400	11000.	115	7971	No
145	GOM_NL__2PRFIN20030908_235310_000000472019_00402_07971_9545.N1	08-SEP-2003 23:53:10	Dark	47.000	23	21Eps CMa	1.5020	26000.	94	7971	No
146	GOM_NL__2PRFIN20030908_235430_000000442019_00402_07971_9546.N1	08-SEP-2003 23:54:30	Dark	43.500	117	Pi Pup	2.7060	3800.0	87	7971	No
147	GOM_NL__2PRFIN20030908_235557_000000422019_00402_07971_9547.N1	08-SEP-2003 23:55:57	Dark	42.000	34	Gam2Vel	1.7930	23000.	84	7971	No

3. Quality information per product

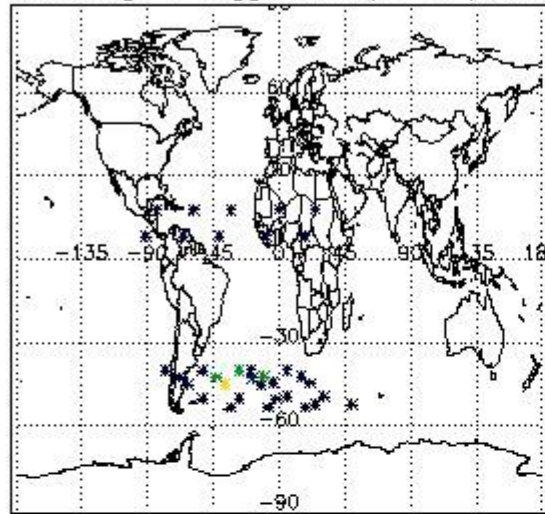
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

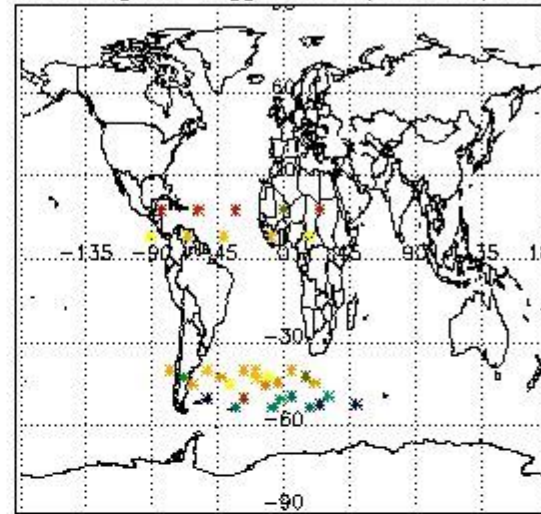


3.2 Plot quality information per product (world map)

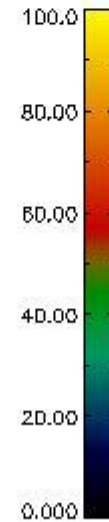
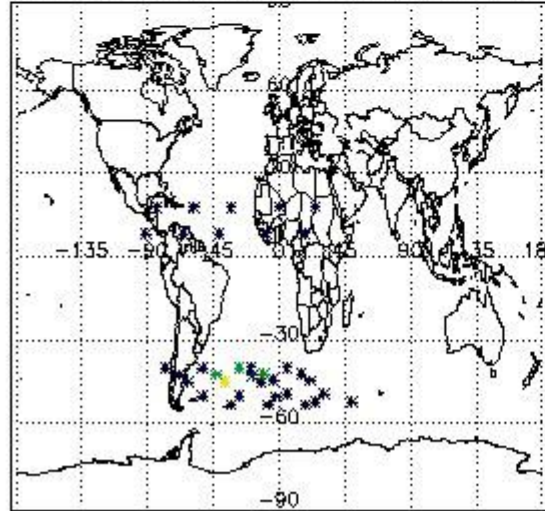
Percentage of flagged data per O3 profile



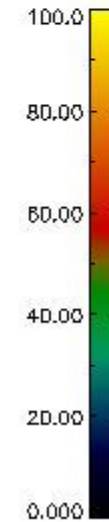
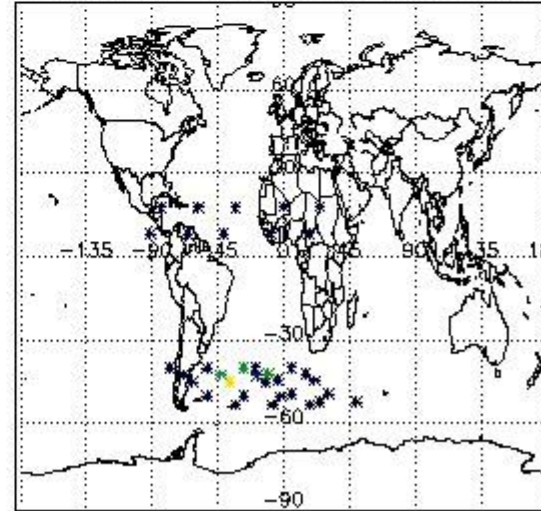
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

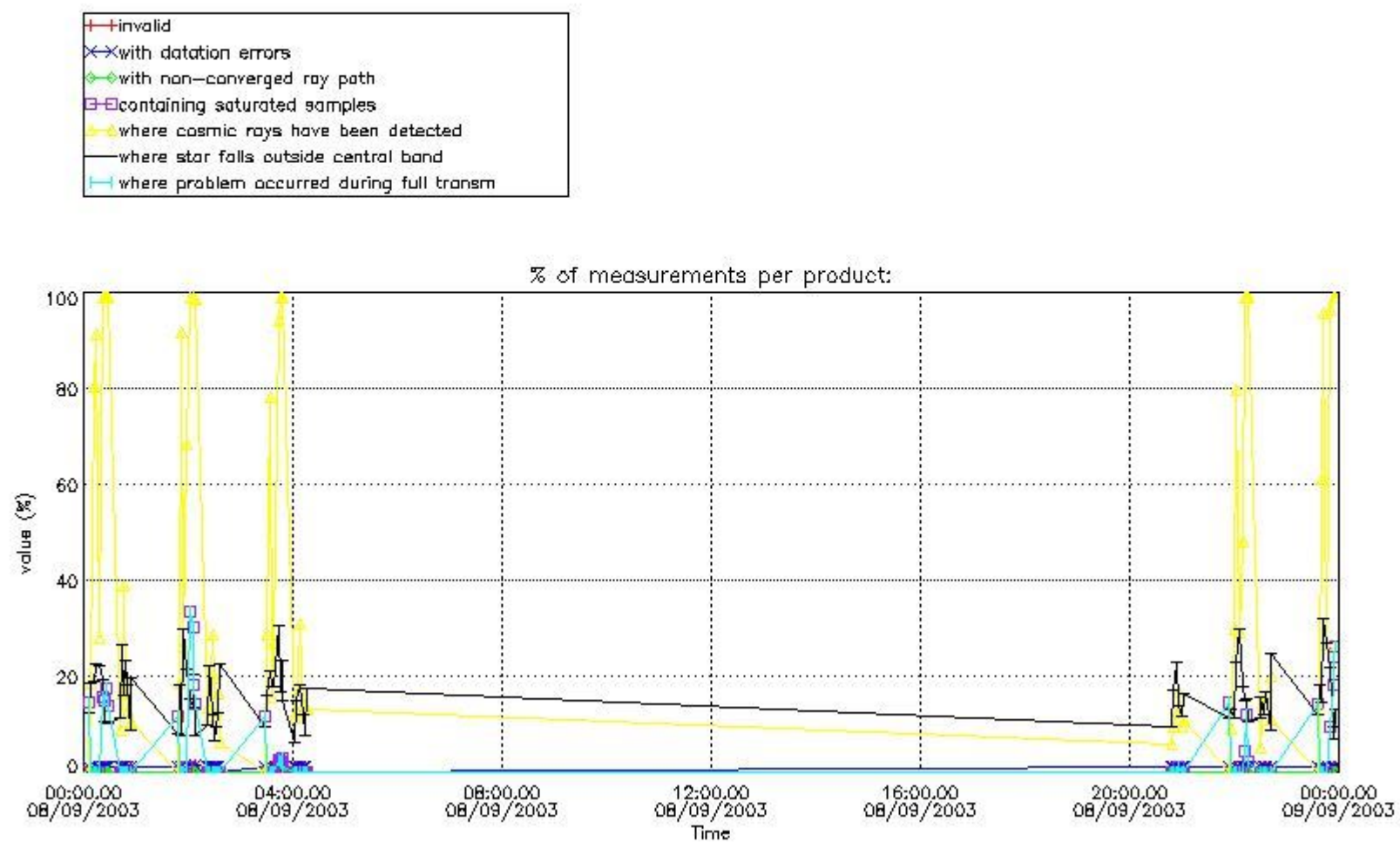


4. Level 1 quality information per product

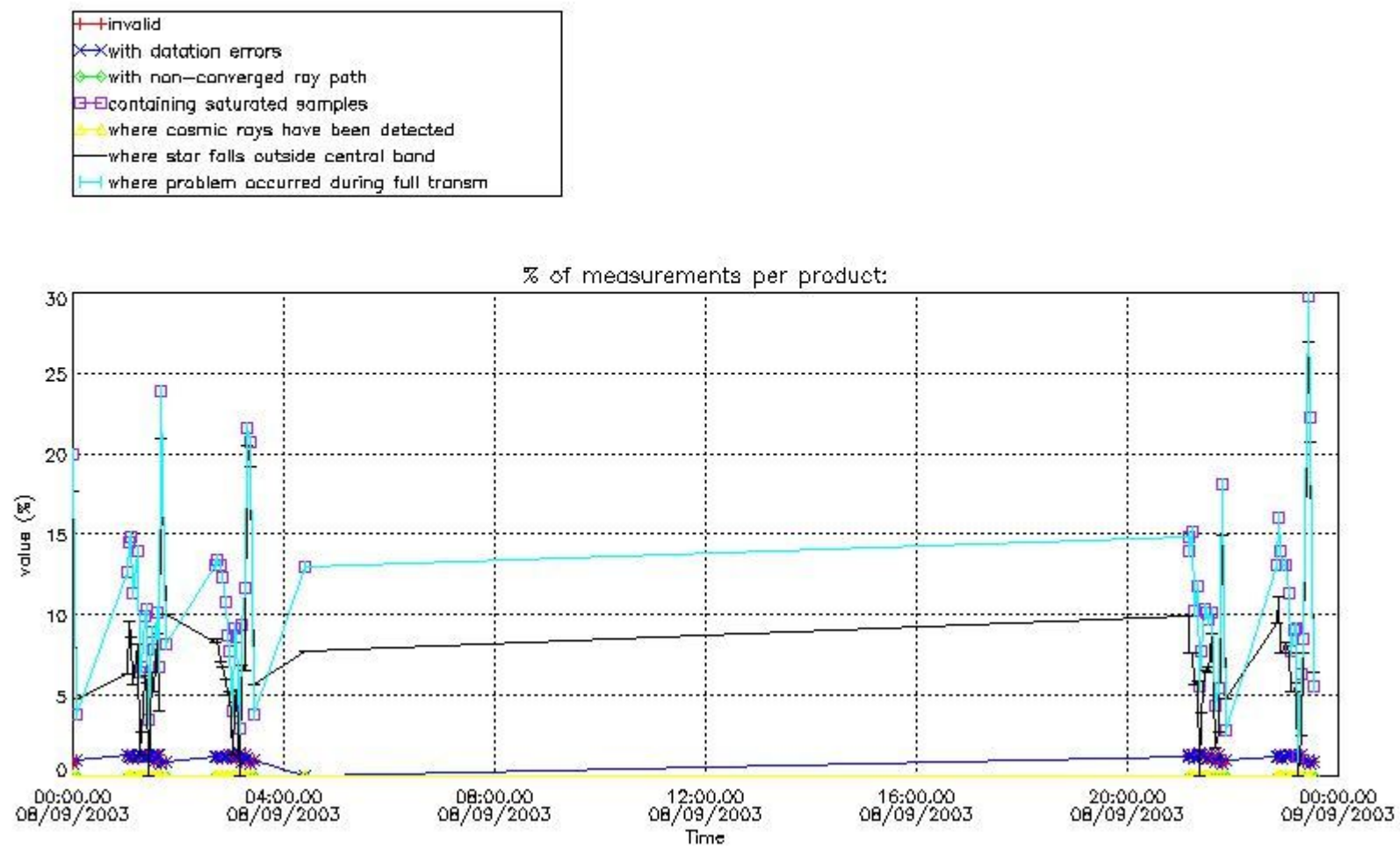
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



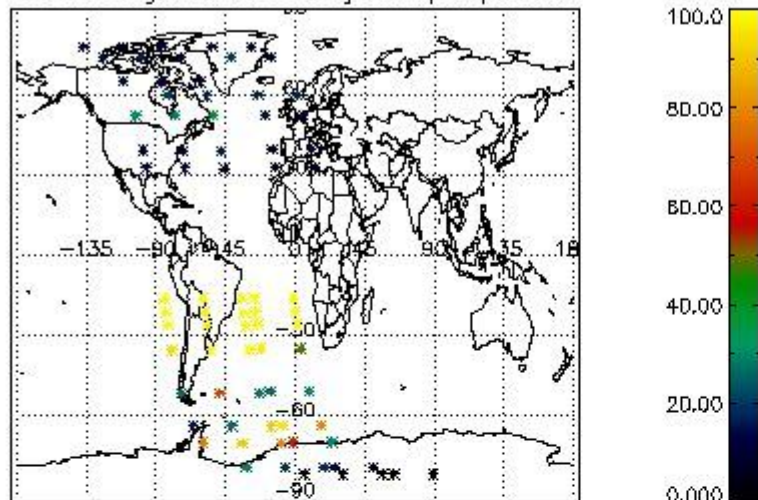
4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



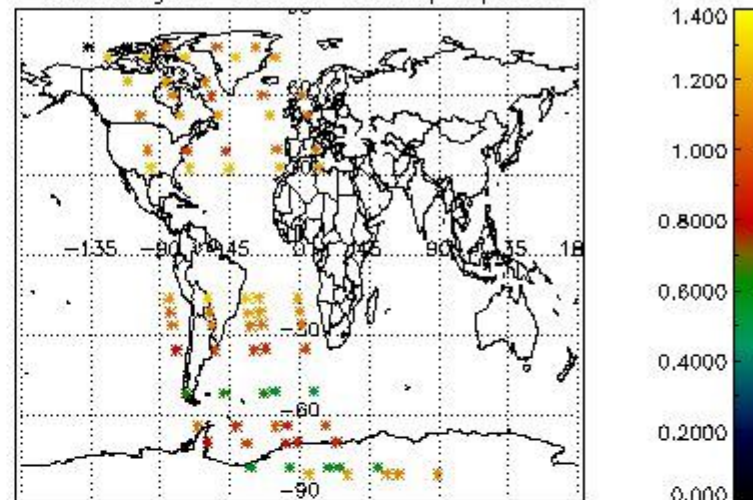
4.2 Plot quality information per product coming from level 1b processing (world map)

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

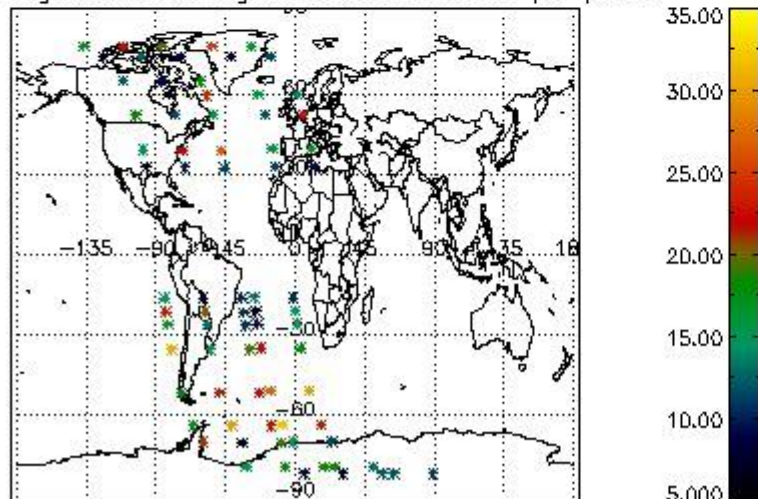
Percentage of cosmic ray hits per profile



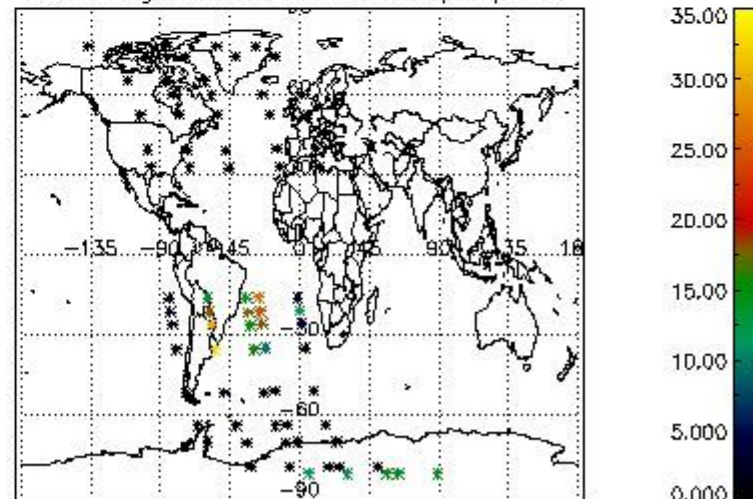
Percentage of datation errors per profile



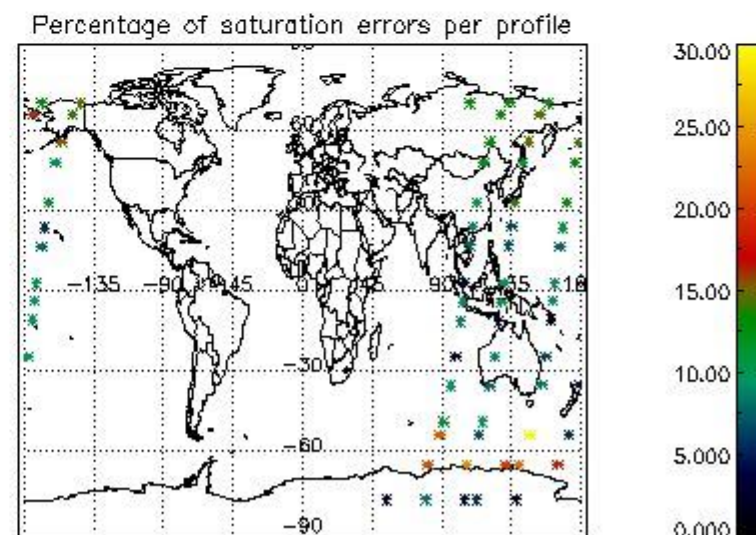
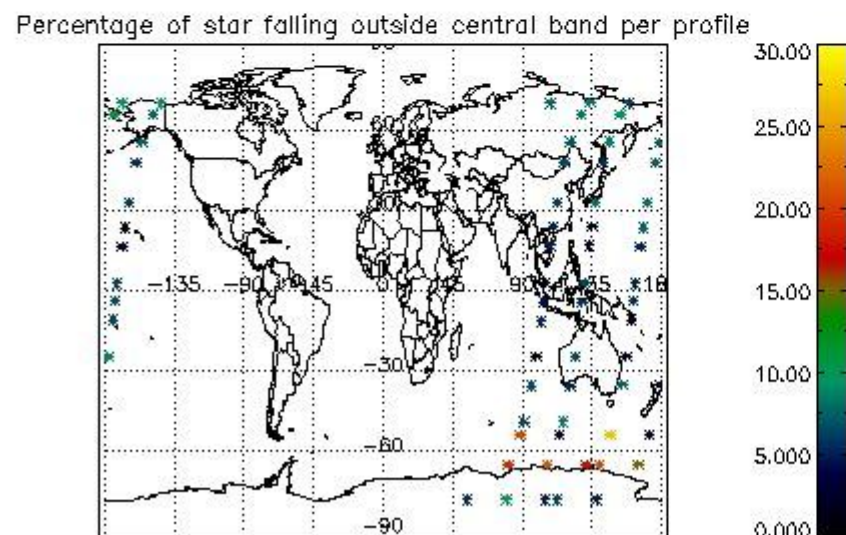
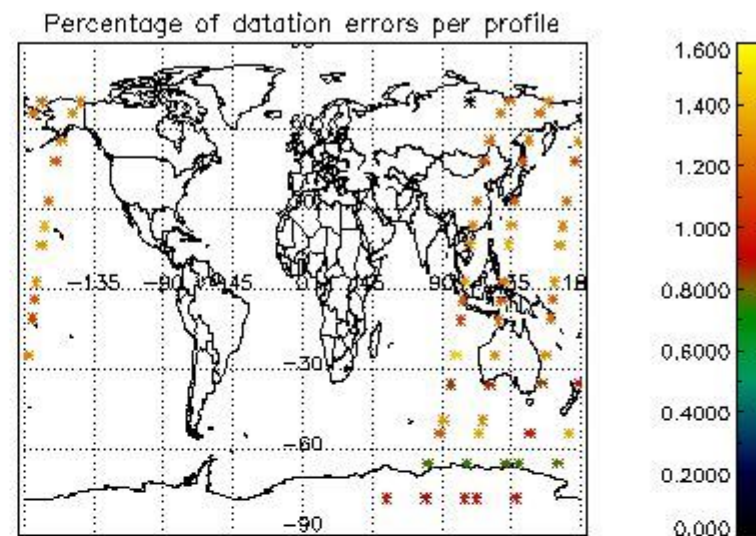
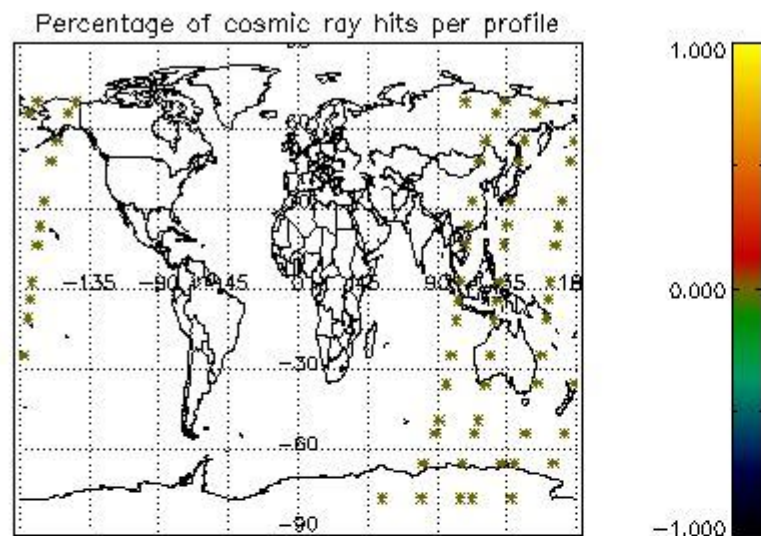
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

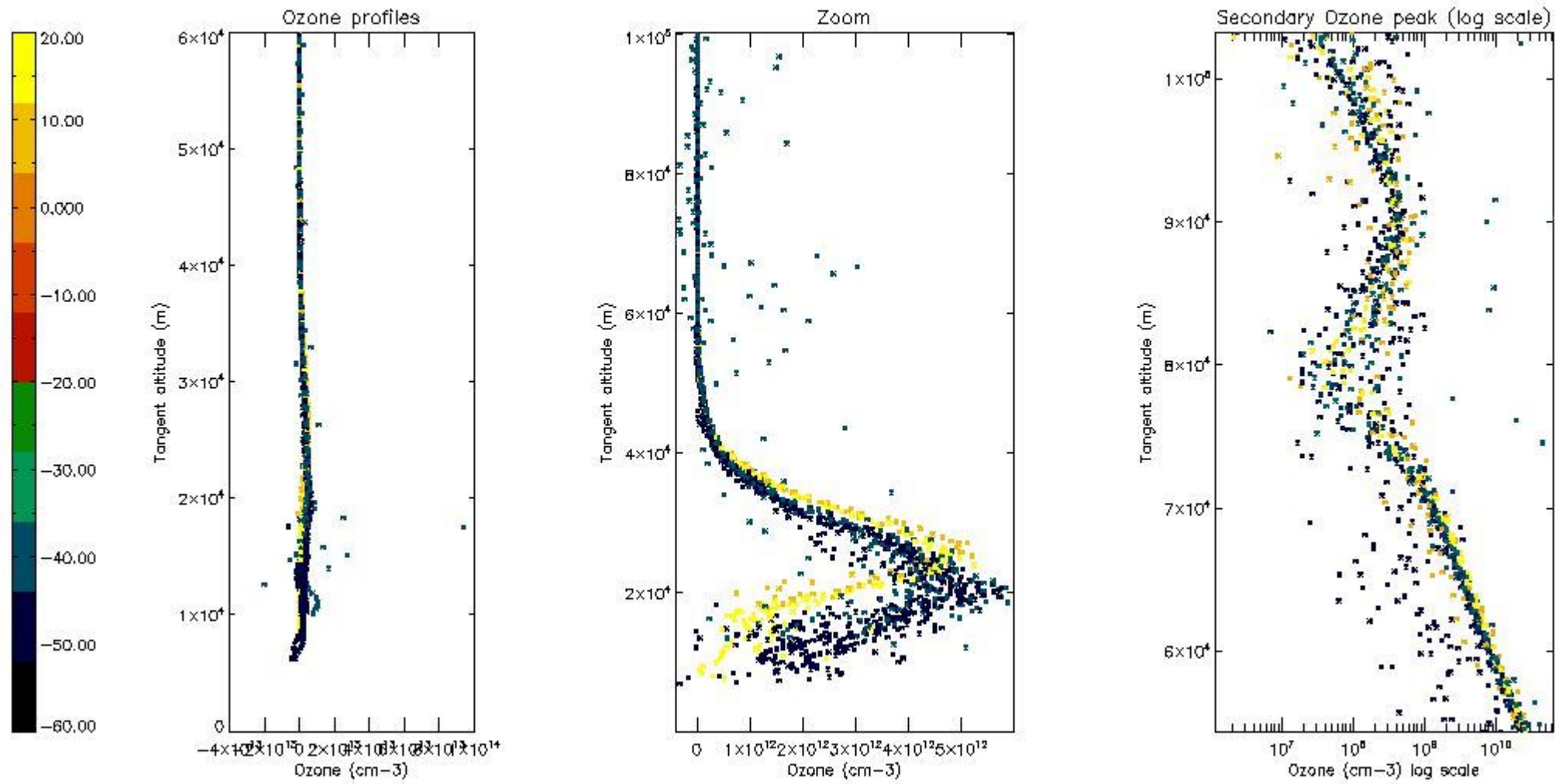
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	26
STD < 20	14

STD < 10	12
STD < 5	9

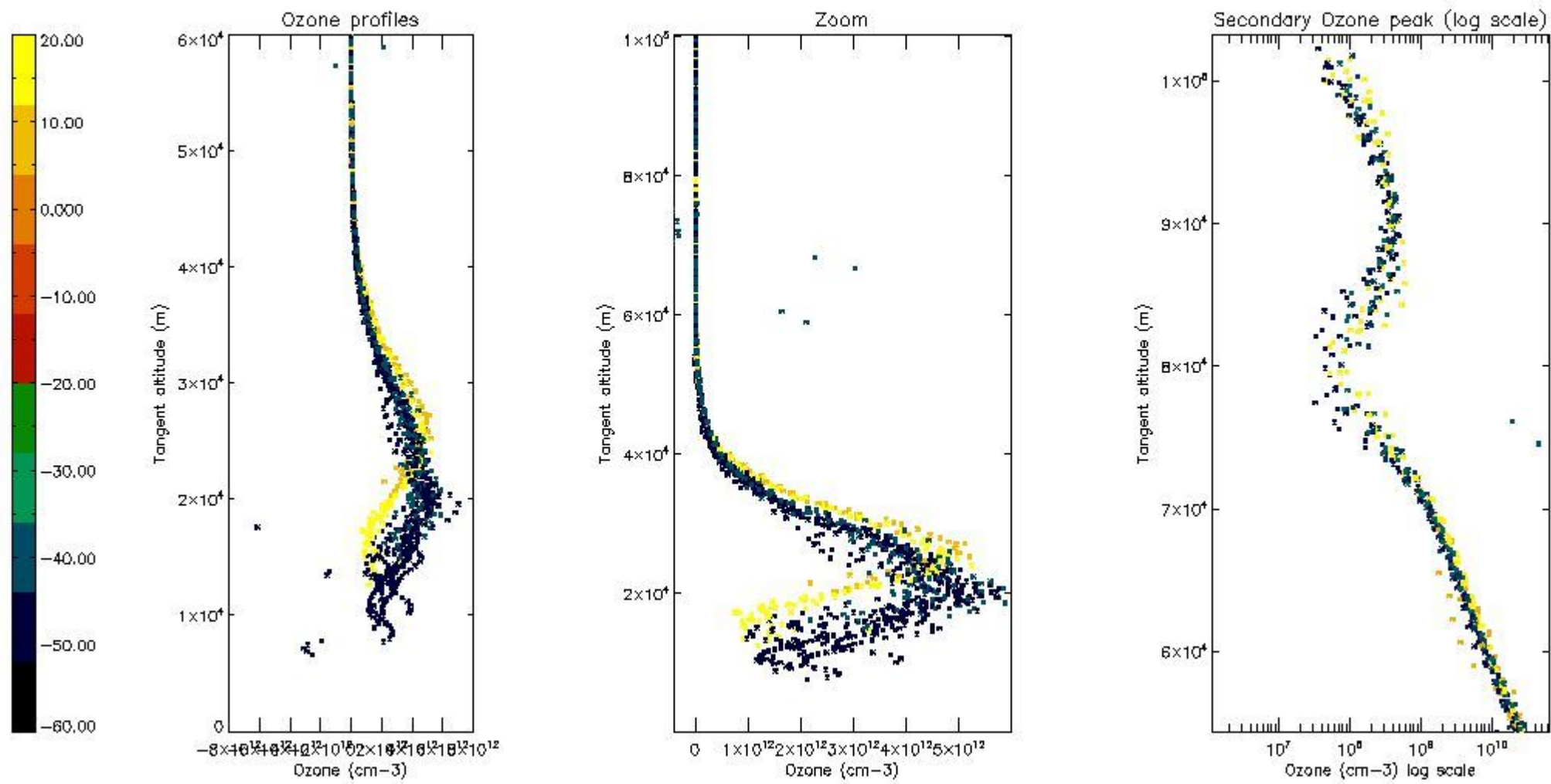
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



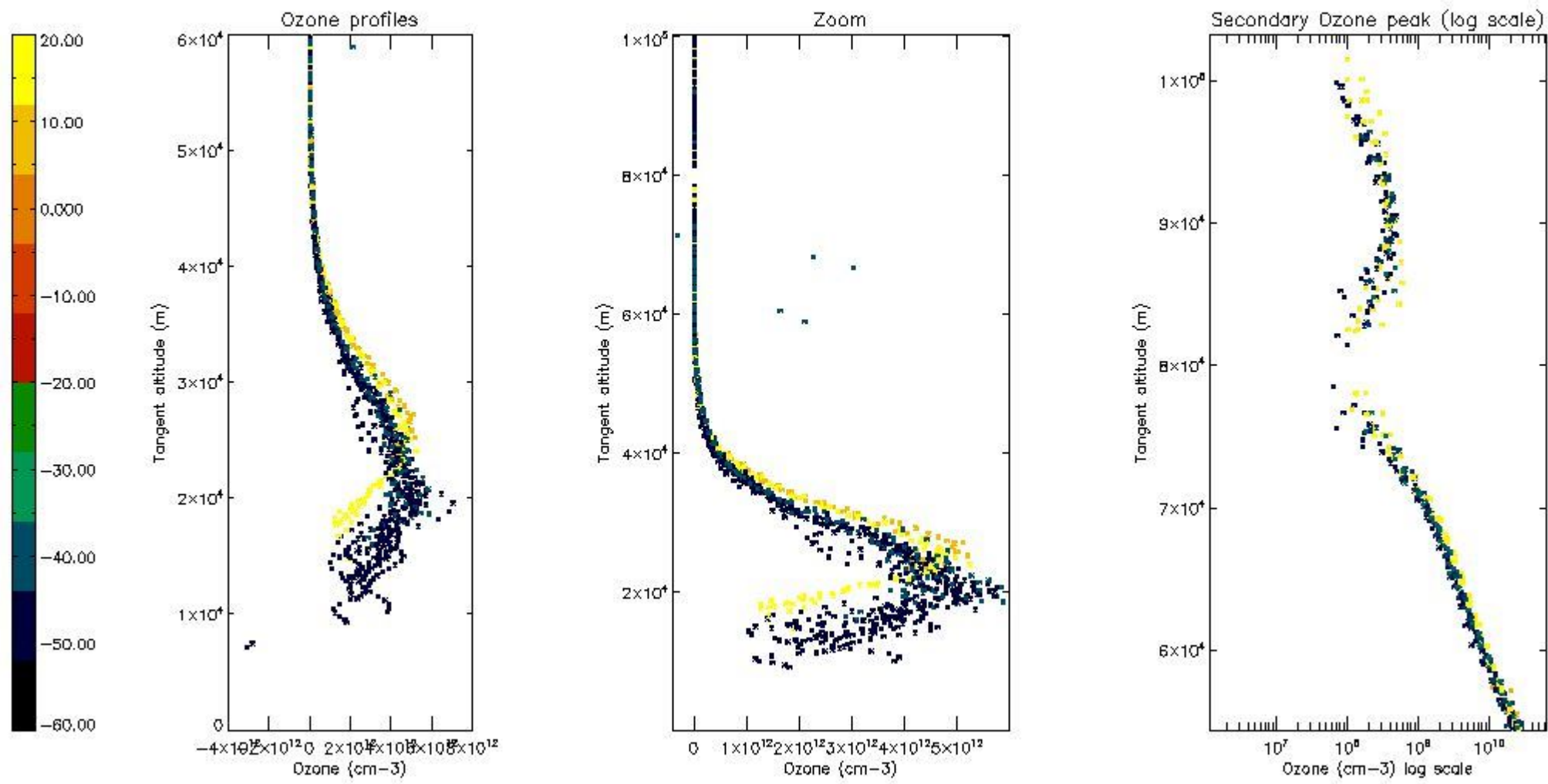
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



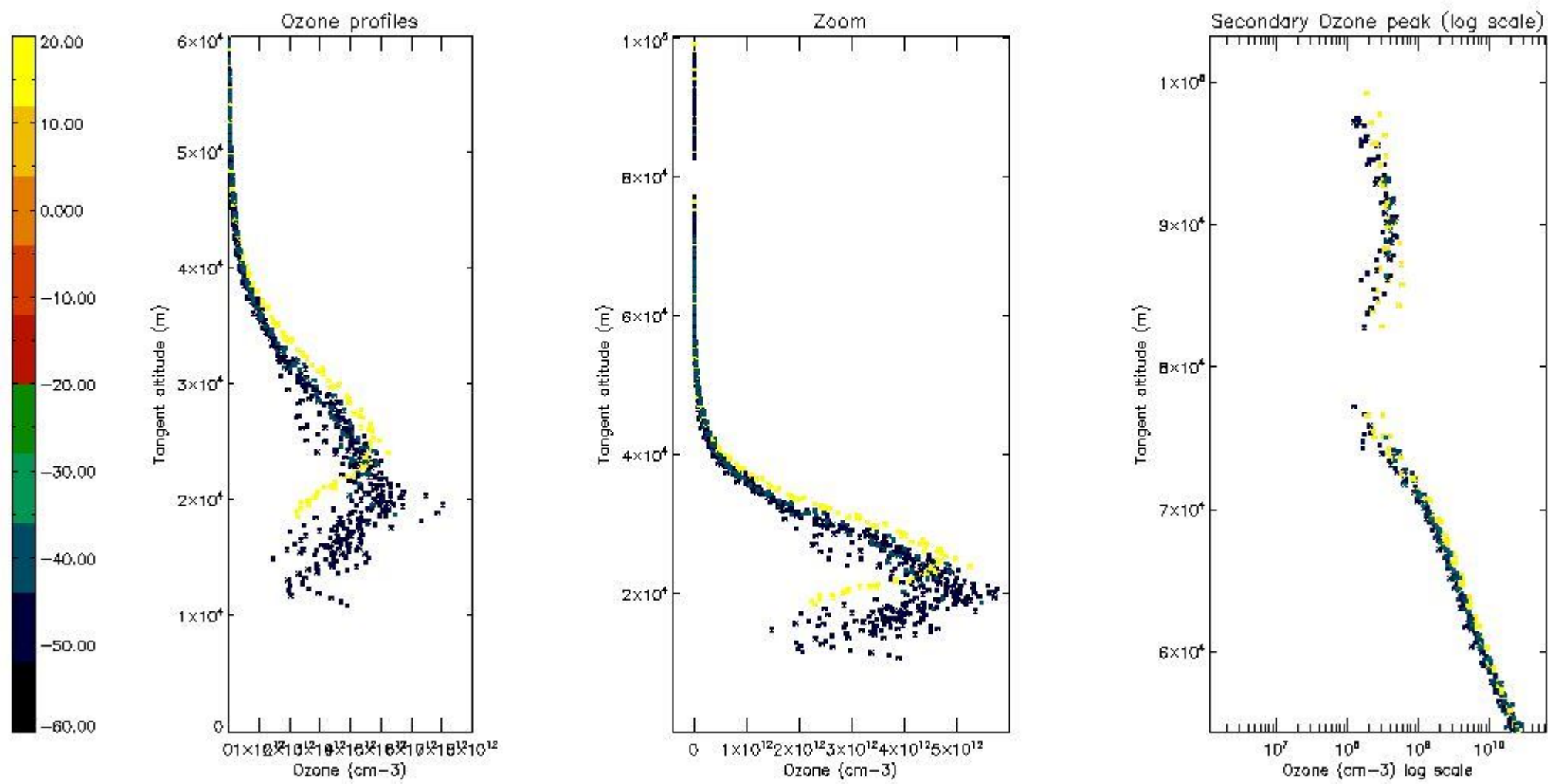
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



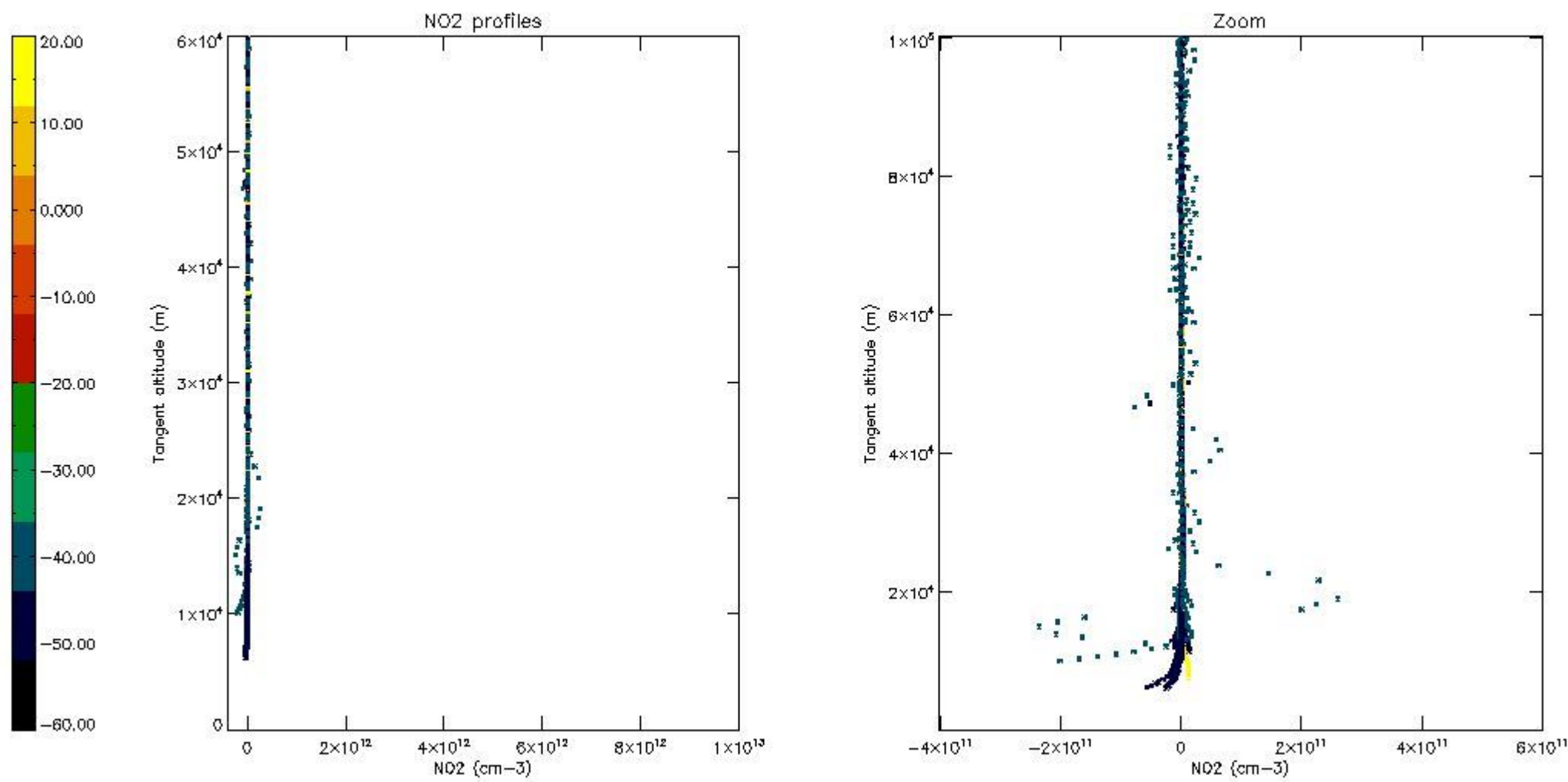
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



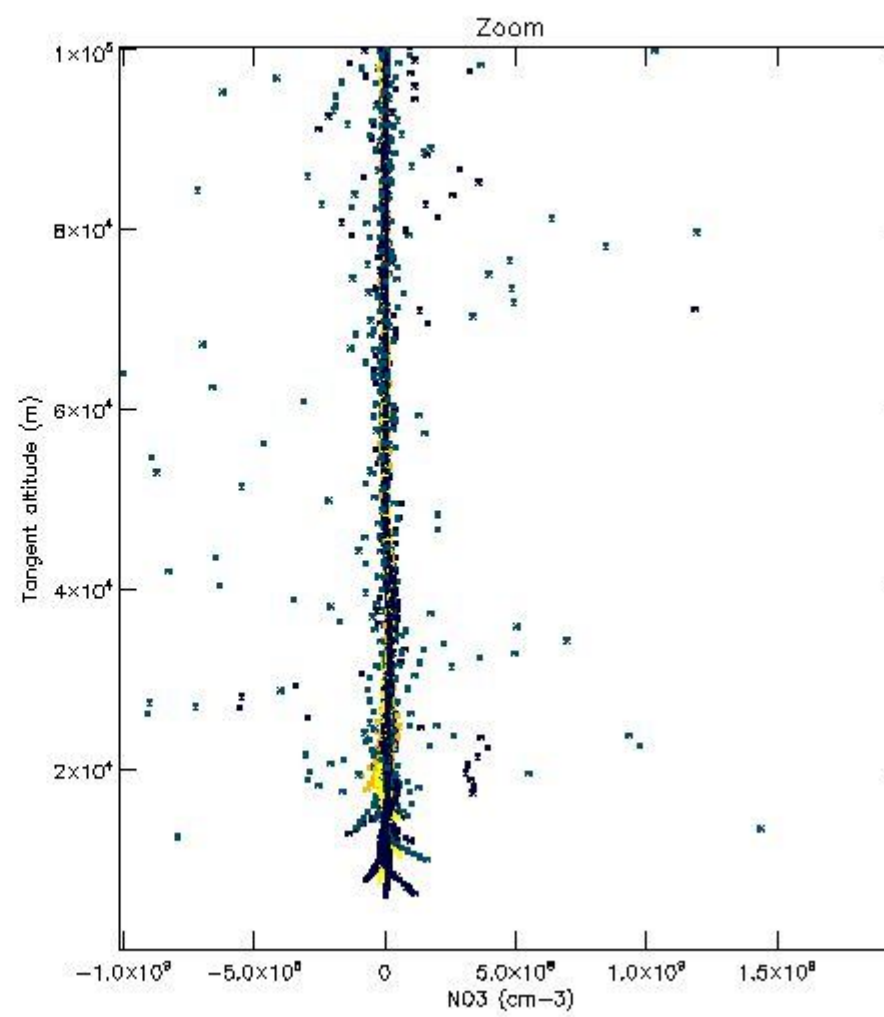
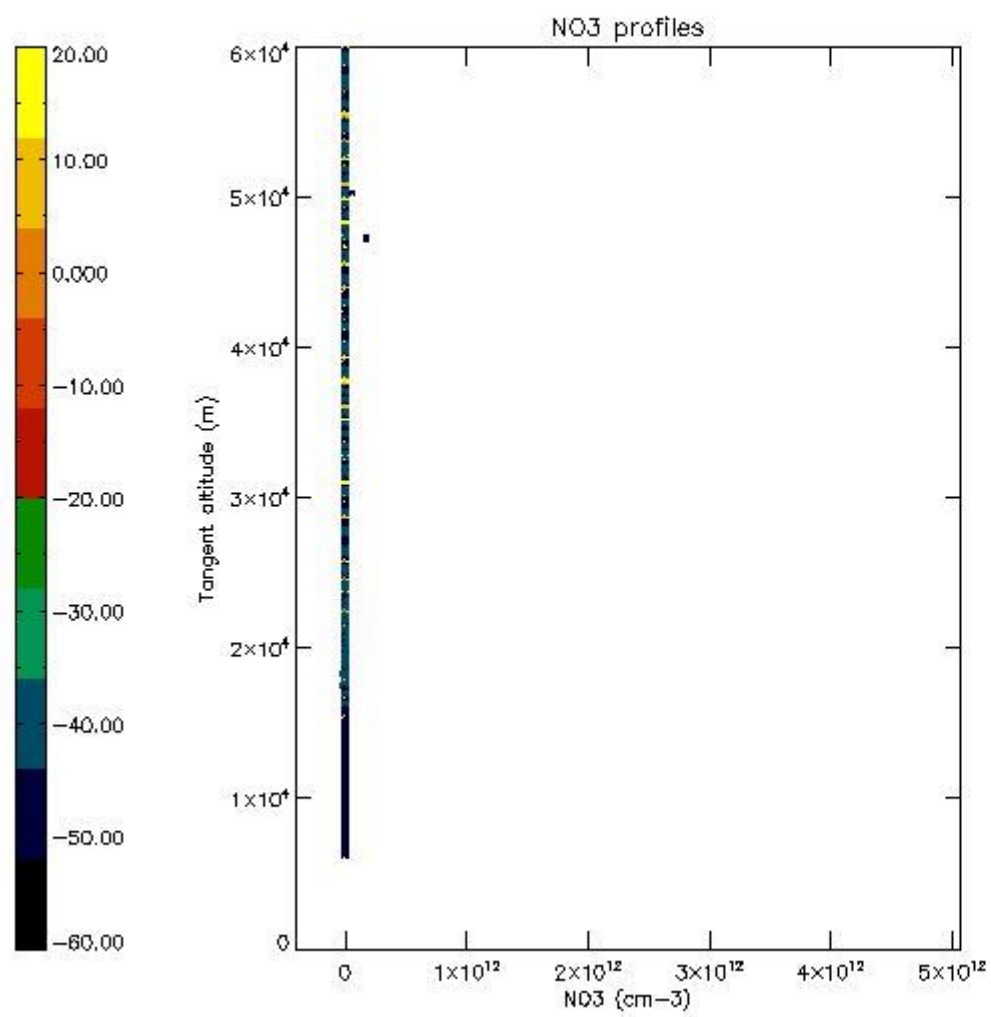
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



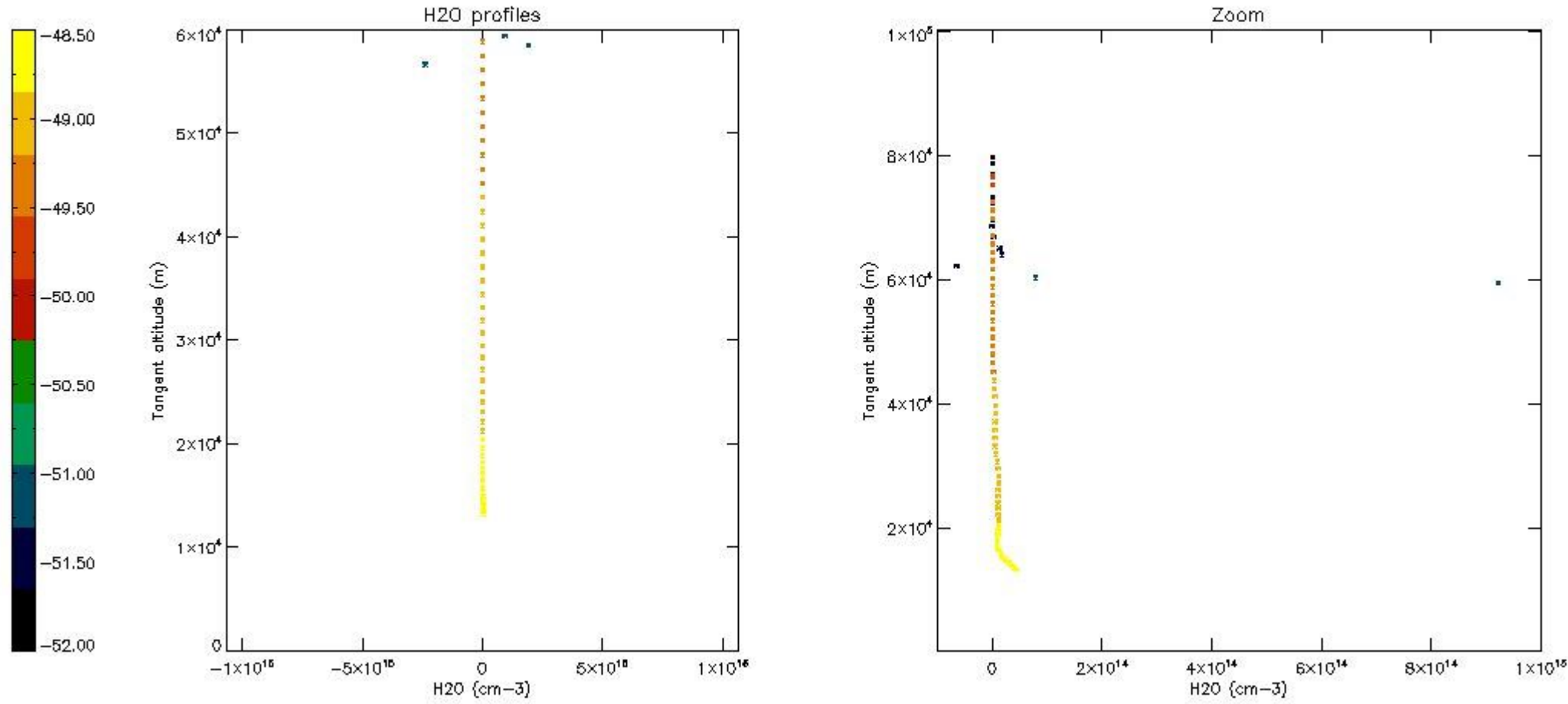
5.7 Plot NO3 profiles for all STD (dark without errors)

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	08-SEP-2003 00:00:15
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	08-SEP-2003 00:00:15
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	08-SEP-2003 00:00:15

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	19APR2013 19:49:44
Data source version	GOMOS/6.01
Start time of products	08-09-2003 (08SEP2003 00:00:00)
Stop time of products	09-09-2003 (09SEP2003 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	147
Nb of prods with errors	5

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__2PRFIN20030908_000015_000000652019_00388_07957_8883.N1	08-SEP-2003 00:00:15	Bright	65.000	6	13Alp Aur	0.080000	3400.0	130	7957	No
2	GOM_NL__2PRFIN20030908_000427_000000532019_00388_07957_8884.N1	08-SEP-2003 00:04:27	Bright	52.500	107	37The Aur	2.6490	11000.	105	7957	No
3	GOM_NL__2PRFIN20030908_000657_000000452019_00388_07957_8885.N1	08-SEP-2003 00:06:57	Bright	44.500	17	78Bet Gem	1.1610	4500.0	89	7957	No
4	GOM_NL__2PRFIN20030908_000848_000000862019_00388_07957_8886.N1	08-SEP-2003 00:08:48	Twilight	86.000	28	12Bet Tau	1.6500	15200.	172	7957	No
5	GOM_NL__2PRFIN20030908_001201_000000612019_00388_07957_8887.N1	08-SEP-2003 00:12:01	Twilight	61.000	44	24Gam Gem	1.9280	11000.	122	7957	No
6	GOM_NL__2PRFIN20030908_001355_000000512019_00388_07957_8888.N1	08-SEP-2003 00:13:55	Twilight	51.000	8	10Alp CMi	0.400000	6500.0	102	7957	No
7	GOM_NL__2PRFIN20030908_001728_000000812019_00388_07957_8889.N1	08-SEP-2003 00:17:28	Dark	80.500	14	58Alp Ori	0.870000	3000.0	161	7957	No
8	GOM_NL__2PRFIN20030908_002206_000000552019_00388_07957_8890.N1	08-SEP-2003 00:22:06	Dark	54.500	1	9Alp CMa	-1.4400	11000.	109	7957	No
9	GOM_NL__2PRFIN20030908_002438_000000472019_00388_07957_8891.N1	08-SEP-2003 00:24:38	Dark	47.000	23	21Eps CMa	1.5020	26000.	94	7957	No
10	GOM_NL__2PRFIN20030908_002602_000000432019_00388_07957_8892.N1	08-SEP-2003 00:26:02	Dark	43.000	117	Pi Pup	2.7060	3800.0	86	7957	No
11	GOM_NL__2PRFIN20030908_002731_000000402019_00388_07957_8893.N1	08-SEP-2003 00:27:31	Dark	39.500	34	Gam2Vel	1.7930	23000.	79	7957	No
12	GOM_NL__2PRFIN20030908_004112_000000402019_00389_07958_8864.N1	08-SEP-2003 00:41:12	Dark	40.000	135	Bet Hyi	2.8200	5800.0	80	7958	No
13	GOM_NL__2PRFIN20030908_004301_000000552019_00389_07958_8865.N1	08-SEP-2003 00:43:01	Dark	54.500	9	Alp Eri	0.45300	24000.	109	7958	No
14	GOM_NL__2PRFIN20030908_004646_000000442019_00389_07958_8866.N1	08-SEP-2003 00:46:46	Straylight	43.500	148	Alp Tuc	2.8780	4100.0	87	7958	No
15	GOM_NL__2PRFIN20030908_004855_000000562019_00389_07958_8867.N1	08-SEP-2003 00:48:55	Straylight	55.500	84	Alp Phe	2.3970	4500.0	111	7958	No
16	GOM_NL__2PRFIN20030908_005026_000000472019_00389_07958_8868.N1	08-SEP-2003 00:50:26	Straylight	47.000	31	Alp Gru	1.7340	15200.	94	7958	No
17	GOM_NL__2PRFIN20030908_005317_000000402019_00389_07958_8869.N1	08-SEP-2003 00:53:17	Straylight	39.500	172	Gam Gru	3.0030	13100.	79	7958	No
18	GOM_NL__2PRFIN20030908_005436_000000482019_00389_07958_8870.N1	08-SEP-2003 00:54:36	Straylight	48.000	18	24Alp PsA	1.1660	9700.0	96	7958	No
19	GOM_NL__2PRFIN20030908_005850_000000522019_00389_07958_8871.N1	08-SEP-2003 00:58:50	Dark	51.500	1014	Mars	0.0000	0.0000	103	7958	Yes
20	GOM_NL__2PRFIN20030908_010220_000000402019_00389_07958_8872.N1	08-SEP-2003 01:02:20	Bright	39.500	154	22Bet Aqr	2.8990	5700.0	79	7958	No
21	GOM_NL__2PRFIN20030908_010338_000000422019_00389_07958_8873.N1	08-SEP-2003 01:03:38	Bright	41.500	162	34Alp Aqr	2.9440	5350.0	83	7958	No
22	GOM_NL__2PRFIN20030908_010637_000000412019_00389_07958_8874.N1	08-SEP-2003 01:06:37	Bright	40.500	61	8Eps Peg	2.1000	3900.0	81	7958	No
23	GOM_NL__2PRFIN20030908_010852_000000442019_00389_07958_8875.N1	08-SEP-2003 01:08:52	Bright	44.000	90	54Alp Peg	2.4870	11000.	88	7958	No
24	GOM_NL__2PRFIN20030908_011306_000000432019_00389_07958_8876.N1	08-SEP-2003 01:13:06	Bright	43.000	164	44Eta Peg	2.9480	5400.0	86	7958	No
25	GOM_NL__2PRFIN20030908_011537_000000392019_00389_07958_8877.N1	08-SEP-2003 01:15:37	Bright	39.000	66	37Gam Cyg	2.2080	5900.0	78	7958	No
26	GOM_NL__2PRFIN20030908_011734_000000372019_00389_07958_8878.N1	08-SEP-2003 01:17:34	Bright	37.000	144	18Del Cyg	2.8600	11000.	74	7958	No
27	GOM_NL__2PRFIN20030908_012130_000000412019_00389_07958_8879.N1	08-SEP-2003 01:21:30	Bright	40.500	89	5Alp Cep	2.4510	8000.0	81	7958	No
28	GOM_NL__2PRFIN20030908_012331_000000442019_00389_07958_8880.N1	08-SEP-2003 01:23:31	Bright	43.500	74	11Bet Cas	2.2680	6600.0	87	7958	No
29	GOM_NL__2PRFIN20030908_012530_000000432019_00389_07958_8881.N1	08-SEP-2003 01:25:30	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	7958	No
30	GOM_NL__2PRFIN20030908_012915_000000392019_00389_07958_8882.N1	08-SEP-2003 01:29:15	Bright	39.000	49	1Alp UMi	1.9900	6300.0	78	7958	No
31	GOM_NL__2PRFIN20030908_013221_000000582019_00389_07958_8883.N1	08-SEP-2003 01:32:21	Bright	57.500	160	23Gam Per	2.9300	4700.0	115	7958	No
32	GOM_NL__2PRFIN20030908_013606_000000402019_00389_07958_8884.N1	08-SEP-2003 01:36:06	Bright	39.500	36	50Alp UMa	1.8000	6300.0	79	7958	No
33	GOM_NL__2PRFIN20030908_013731_000000372019_00389_07958_8885.N1	08-SEP-2003 01:37:31	Bright	37.000	82	48Bet UMa	2.3650	10600.	74	7958	No
34	GOM_NL__2PRFIN20030908_014051_000000672019_00389_07958_8886.N1	08-SEP-2003 01:40:51	Bright	67.000	6	13Alp Aur	0.080000	3400.0	134	7958	No
35	GOM_NL__2PRFIN20030908_014502_000000552019_00389_07958_8887.N1	08-SEP-2003 01:45:02	Bright	55.000	107	37The Aur	2.6490	11000.	110	7958	No
36	GOM_NL__2PRFIN20030908_014733_000000432019_00389_07958_8888.N1	08-SEP-2003 01:47:33	Bright	43.000	17	78Bet Gem	1.1610	4500.0	86	7958	No
37	GOM_NL__2PRFIN20030908_014924_000000862019_00389_07958_8889.N1	08-SEP-2003 01:49:24	Twilight	85.500	28	12Bet Tau	1.6500	15200.	171	7958	No
38	GOM_NL__2PRFIN20030908_015237_000000532019_00389_07958_8890.N1	08-SEP-2003 01:52:37	Twilight	53.000	44	24Gam Gem	1.9280	11000.	106	7958	No
39	GOM_NL__2PRFIN20030908_015431_000000572019_00389_07958_8891.N1	08-SEP-2003 01:54:31	Twilight	57.000	8	10Alp CMi	0.400000	6500.0	114	7958	No
40	GOM_NL__2PRFIN20030908_015805_000000792019_00389_07958_8892.N1	08-SEP-2003 01:58:05	Dark	79.000	14	58Alp Ori	0.870000	3000.0	158	7958	No
41	GOM_NL__2PRFIN20030908_020242_000000532019_00389_07958_8893.N1	08-SEP-2003 02:02:42	Dark	52.500	1	9Alp CMa	-1.4400	11000.	105	7958	No
42	GOM_NL__2PRFIN20030908_020518_000000452019_00389_07958_8894.N1	08-SEP-2003 02:05:18	Dark	45.000	23	21Eps CMa	1.5020	26000.	90	7958	No

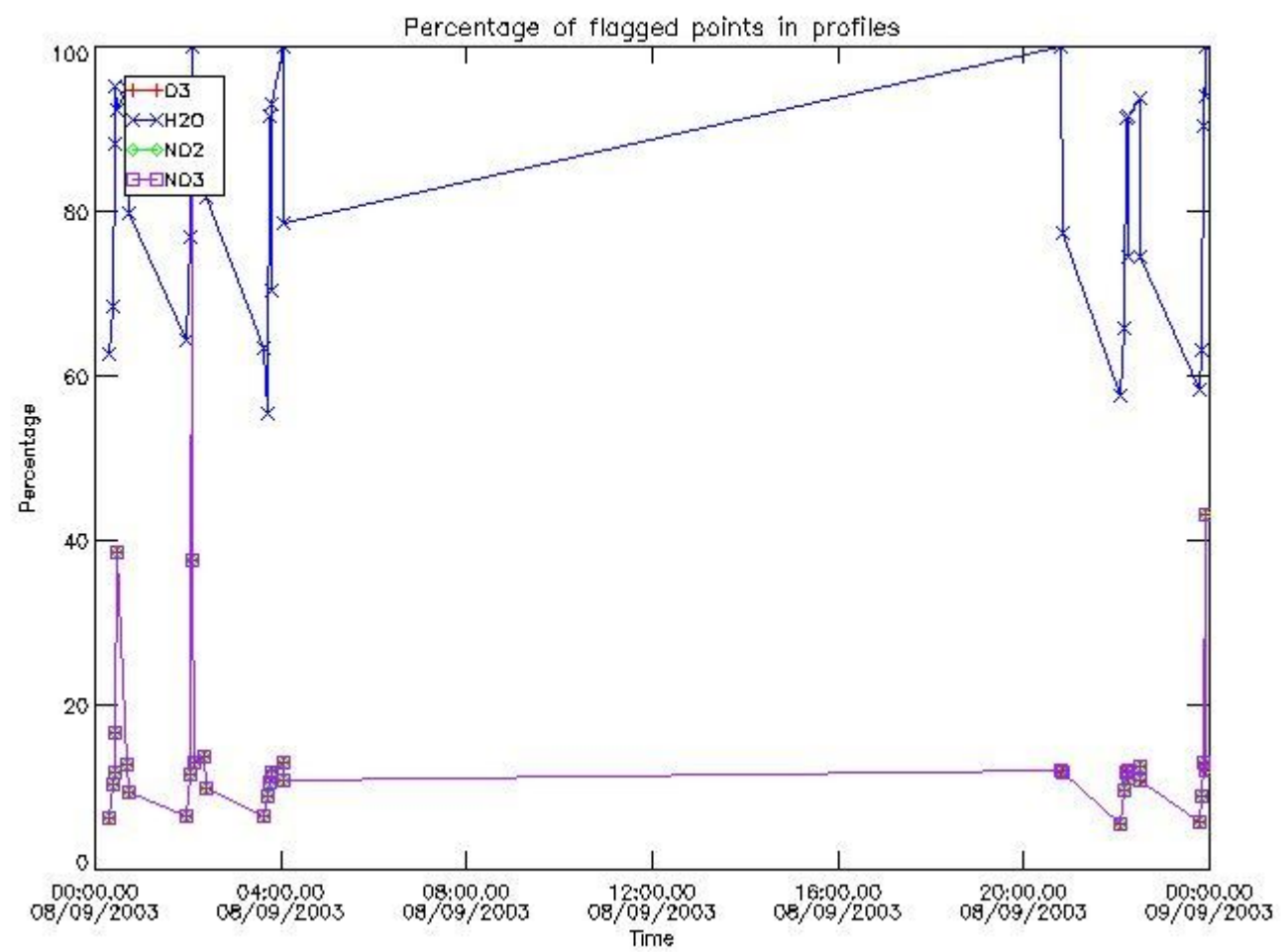
43	GOM_NL__2PRFIN20030908_020639_000000472019_00389_07958_8895.N1	08-SEP-2003 02:06:39	Dark	47.000	117	Pi Pup	2.7060	3800.0	94	7958	No
44	GOM_NL__2PRFIN20030908_020807_000000392019_00389_07958_8896.N1	08-SEP-2003 02:08:07	Dark	39.000	34	Gam2Vel	1.7930	23000.	78	7958	No
45	GOM_NL__2PRFIN20030908_022148_000000412019_00390_07959_5690.N1	08-SEP-2003 02:21:48	Dark	40.500	135	Bet Hyi	2.8200	5800.0	81	7959	No
46	GOM_NL__2PRFIN20030908_022338_000000522019_00390_07959_5691.N1	08-SEP-2003 02:23:38	Dark	52.000	9	Alp Eri	0.45300	24000.	104	7959	No
47	GOM_NL__2PRFIN20030908_022722_000000422019_00390_07959_5692.N1	08-SEP-2003 02:27:22	Straylight	42.000	148	Alp Tuc	2.8780	4100.0	84	7959	No
48	GOM_NL__2PRFIN20030908_022932_000000462019_00390_07959_5693.N1	08-SEP-2003 02:29:32	Straylight	45.500	84	Alp Phe	2.3970	4500.0	91	7959	No
49	GOM_NL__2PRFIN20030908_023102_000000432019_00390_07959_5694.N1	08-SEP-2003 02:31:02	Straylight	43.000	31	Alp Gru	1.7340	15200.	86	7959	No
50	GOM_NL__2PRFIN20030908_023353_000000402019_00390_07959_5695.N1	08-SEP-2003 02:33:53	Straylight	40.000	172	Gam Gru	3.0030	13100.	80	7959	No
51	GOM_NL__2PRFIN20030908_023513_000000492019_00390_07959_5696.N1	08-SEP-2003 02:35:13	Straylight	48.500	18	24Alp PsA	1.1660	9700.0	97	7959	No
52	GOM_NL__2PRFIN20030908_023927_000000542019_00390_07959_5697.N1	08-SEP-2003 02:39:27	Dark	53.500	1014	Mars	0.0000	0.0000	107	7959	Yes
53	GOM_NL__2PRFIN20030908_024254_000000422019_00390_07959_5698.N1	08-SEP-2003 02:42:54	Bright	42.000	154	22Bet Aqr	2.8990	5700.0	84	7959	No
54	GOM_NL__2PRFIN20030908_024414_000000412019_00390_07959_5699.N1	08-SEP-2003 02:44:14	Bright	41.000	162	34Alp Aqr	2.9440	5350.0	82	7959	No
55	GOM_NL__2PRFIN20030908_024711_000000422019_00390_07959_5700.N1	08-SEP-2003 02:47:11	Bright	42.000	61	8Eps Peg	2.1000	3900.0	84	7959	No
56	GOM_NL__2PRFIN20030908_024928_000000452019_00390_07959_5701.N1	08-SEP-2003 02:49:28	Bright	44.500	90	54Alp Peg	2.4870	11000.	89	7959	No
57	GOM_NL__2PRFIN20030908_025341_000000422019_00390_07959_5702.N1	08-SEP-2003 02:53:41	Bright	41.500	164	44Eta Peg	2.9480	5400.0	83	7959	No
58	GOM_NL__2PRFIN20030908_025613_000000402019_00390_07959_5703.N1	08-SEP-2003 02:56:13	Bright	40.000	66	37Gam Cyg	2.2080	5900.0	80	7959	No
59	GOM_NL__2PRFIN20030908_025810_000000392019_00390_07959_5704.N1	08-SEP-2003 02:58:10	Bright	38.500	144	18Del Cyg	2.8600	11000.	77	7959	No
60	GOM_NL__2PRFIN20030908_030206_000000382019_00390_07959_5705.N1	08-SEP-2003 03:02:06	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	7959	No
61	GOM_NL__2PRFIN20030908_030406_000000442019_00390_07959_5706.N1	08-SEP-2003 03:04:06	Bright	43.500	74	11Bet Cas	2.2680	6600.0	87	7959	No
62	GOM_NL__2PRFIN20030908_030606_000000472019_00390_07959_5707.N1	08-SEP-2003 03:06:06	Bright	46.500	76	27Gam Cas	2.3000	30000.	93	7959	No
63	GOM_NL__2PRFIN20030908_030952_000000342019_00390_07959_5708.N1	08-SEP-2003 03:09:52	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	7959	No
64	GOM_NL__2PRFIN20030908_031255_000000592019_00390_07959_5709.N1	08-SEP-2003 03:12:55	Bright	58.500	160	23Gam Per	2.9300	4700.0	117	7959	No
65	GOM_NL__2PRFIN20030908_031643_000000392019_00390_07959_5710.N1	08-SEP-2003 03:16:43	Bright	38.500	36	50Alp UMa	1.8000	6300.0	77	7959	No
66	GOM_NL__2PRFIN20030908_031807_000000442019_00390_07959_5711.N1	08-SEP-2003 03:18:07	Bright	44.000	82	48Bet UMa	2.3650	10600.	88	7959	No
67	GOM_NL__2PRFIN20030908_032126_000000652019_00390_07959_5712.N1	08-SEP-2003 03:21:26	Bright	65.000	6	13Alp Aur	0.080000	3400.0	130	7959	No
68	GOM_NL__2PRFIN20030908_032538_000000532019_00390_07959_5713.N1	08-SEP-2003 03:25:38	Bright	52.500	107	37The Aur	2.6490	11000.	105	7959	No
69	GOM_NL__2PRFIN20030908_032810_000000432019_00390_07959_5714.N1	08-SEP-2003 03:28:10	Bright	43.000	17	78Bet Gem	1.1610	4500.0	86	7959	No
70	GOM_NL__2PRFIN20030908_033001_000000842019_00390_07959_5715.N1	08-SEP-2003 03:30:01	Twl_and_stray	84.000	28	12Bet Tau	1.6500	15200.	168	7959	No
71	GOM_NL__2PRFIN20030908_033314_000000622019_00390_07959_5716.N1	08-SEP-2003 03:33:14	Twl_and_stray	62.000	44	24Gam Gem	1.9280	11000.	124	7959	No
72	GOM_NL__2PRFIN20030908_033507_000000482019_00390_07959_5717.N1	08-SEP-2003 03:35:07	Twilight	48.000	8	10Alp CMi	0.40000	6500.0	96	7959	No
73	GOM_NL__2PRFIN20030908_033842_000000782019_00390_07959_5718.N1	08-SEP-2003 03:38:42	Dark	78.000	14	58Alp Ori	0.87000	3000.0	156	7959	No
74	GOM_NL__2PRFIN20030908_034320_000000622019_00390_07959_5719.N1	08-SEP-2003 03:43:20	Dark	62.000	1	9Alp CMa	-1.4400	11000.	124	7959	No
75	GOM_NL__2PRFIN20030908_034554_000000482019_00390_07959_5720.N1	08-SEP-2003 03:45:54	Dark	48.000	23	21Eps CMa	1.5020	26000.	96	7959	No
76	GOM_NL__2PRFIN20030908_034716_000000502019_00390_07959_5721.N1	08-SEP-2003 03:47:16	Dark	49.500	117	Pi Pup	2.7060	3800.0	99	7959	No
77	GOM_NL__2PRFIN20030908_034843_000000442019_00390_07959_5722.N1	08-SEP-2003 03:48:43	Dark	43.500	34	Gam2Vel	1.7930	23000.	87	7959	No
78	GOM_NL__2PRFIN20030908_040224_000000402019_00391_07960_9346.N1	08-SEP-2003 04:02:24	Dark	39.500	135	Bet Hyi	2.8200	5800.0	79	7960	No
79	GOM_NL__2PRFIN20030908_040415_000000472019_00391_07960_9347.N1	08-SEP-2003 04:04:15	Dark	47.000	9	Alp Eri	0.45300	24000.	94	7960	No
80	GOM_NL__2PRFIN20030908_040757_000000472019_00391_07960_9348.N1	08-SEP-2003 04:07:57	Straylight	47.000	148	Alp Tuc	2.8780	4100.0	94	7960	No
81	GOM_NL__2PRFIN20030908_041141_000000422019_00391_07960_9349.N1	08-SEP-2003 04:11:41	Straylight	41.500	31	Alp Gru	1.7340	15200.	83	7960	No
82	GOM_NL__2PRFIN20030908_041428_000000402019_00391_07960_9350.N1	08-SEP-2003 04:14:28	Straylight	39.500	172	Gam Gru	3.0030	13100.	79	7960	No
83	GOM_NL__2PRFIN20030908_041549_000000462019_00391_07960_9351.N1	08-SEP-2003 04:15:49	Straylight	46.000	18	24Alp PsA	1.1660	9700.0	92	7960	No
84	GOM_NL__2PRFIN20030908_042002_000000542019_00391_07960_9352.N1	08-SEP-2003 04:20:02	Dark	54.000	1014	Mars	0.0000	0.0000	108	7960	Yes
85	GOM_NL__2PRFIN20030908_042332_000000392019_00391_07960_9353.N1	08-SEP-2003 04:23:32	Bright	38.500	154	22Bet Aqr	2.8990	5700.0	77	7960	No
86	GOM_NL__2PRFIN20030908_204823_000000432019_00401_07970_8504.N1	08-SEP-2003 20:48:23	Dark	42.500	135	Bet Hyi	2.8200	5800.0	85	7970	No
87	GOM_NL__2PRFIN20030908_205020_000000472019_00401_07970_8505.N1	08-SEP-2003 20:50:20	Dark	47.000	9	Alp Eri	0.45300	24000.	94	7970	No
88	GOM_NL__2PRFIN20030908_205400_000000482019_00401_07970_8506.N1	08-SEP-2003 20:54:00	Straylight	48.000	148	Alp Tuc	2.8780	4100.0	96	7970	No
89	GOM_NL__2PRFIN20030908_205613_000000482019_00401_07970_8507.N1	08-SEP-2003 20:56:13	Straylight	47.500	84	Alp Phe	2.3970	4500.0	95	7970	No
90	GOM_NL__2PRFIN20030908_210028_000000432019_00401_07970_8508.N1	08-SEP-2003 21:00:28	Straylight	43.000	172	Gam Gru	3.0030	13100.	86	7970	No
91	GOM_NL__2PRFIN20030908_210151_000000462019_00401_07970_8509.N1	08-SEP-2003 21:01:51	Straylight	45.500	18	24Alp PsA	1.1660	9700.0	91	7970	No
92	GOM_NL__2PRFIN20030908_210603_000000492019_00401_07970_8510.N1	08-SEP-2003 21:06:03	Dark	49.000	1014	Mars	0.0000	0.0000	98	7970	Yes
93	GOM_NL__2PRFIN20030908_210932_000000412019_00401_07970_8511.N1	08-SEP-2003 21:09:32	Bright	40.500	154	22Bet Aqr	2.8990	5700.0	81	7970	No
94	GOM_NL__2PRFIN20030908_211051_000000402019_00401_07970_8512.N1	08-SEP-2003 21:10:51	Bright	39.500	162	34Alp Aqr	2.9440	5350.0	79	7970	No
95	GOM_NL__2PRFIN20030908_211349_000000402019_00401_07970_8513.N1	08-SEP-2003 21:13:49	Bright	39.500	61	8Eps Peg	2.1000	3900.0	79	7970	No
96	GOM_NL__2PRFIN20030908_211559_000000442019_00401_07970_8514.N1	08-SEP-2003 21:15:59	Bright	44.000	90	54Alp Peg	2.4870	11000.	88	7970	No
97	GOM_NL__2PRFIN20030908_212012_000000432019_00401_07970_8515.N1	08-SEP-2003 21:20:12	Bright	42.500	164	44Eta Peg	2.9480	5400.0	85	7970	No
98	GOM_NL__2PRFIN20030908_212253_000000362019_00401_07970_8516.N1	08-SEP-2003 21:22:53	Bright	36.000	66	37Gam Cyg	2.2080	5900.0	72	7970	No
99	GOM_NL__2PRFIN20030908_212449_000000392019_00401_07970_8517.N1	08-SEP-2003 21:24:49	Bright	38.500	144	18Del Cyg	2.8600	11000.	77	7970	No
100	GOM_NL__2PRFIN20030908_212843_000000392019_00401_07970_8518.N1	08-SEP-2003 21:28:43	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	7970	No
101	GOM_NL__2PRFIN20030908_213035_000000452019_00401_07970_8519.N1	08-SEP-2003 21:30:35	Bright	44.500	74	11Bet Cas	2.2680	6600.0	89	7970	No

102	GOM_NL__2PRFIN20030908_213234_000000472019_00401_07970_8520.N1	08-SEP-2003 21:32:34	Bright	46.500	76	27Gam Cas	2.3000	30000.	93	7970	No
103	GOM_NL__2PRFIN20030908_213626_000000402019_00401_07970_8521.N1	08-SEP-2003 21:36:26	Bright	39.500	49	1Alp UMi	1.9900	6300.0	79	7970	No
104	GOM_NL__2PRFIN20030908_213919_000000572019_00401_07970_8522.N1	08-SEP-2003 21:39:19	Bright	57.000	160	23Gam Per	2.9300	4700.0	114	7970	No
105	GOM_NL__2PRFIN20030908_214445_000000372019_00401_07970_8523.N1	08-SEP-2003 21:44:45	Bright	37.000	82	48Bet UMa	2.3650	10600.	74	7970	No
106	GOM_NL__2PRFIN20030908_214757_000000642019_00401_07970_8524.N1	08-SEP-2003 21:47:57	Bright	63.500	6	13Alp Aur	0.080000	3400.0	127	7970	No
107	GOM_NL__2PRFIN20030908_215213_000000532019_00401_07970_8525.N1	08-SEP-2003 21:52:13	Bright	52.500	107	37The Aur	2.6490	11000.	105	7970	No
108	GOM_NL__2PRFIN20030908_215446_000000452019_00401_07970_8526.N1	08-SEP-2003 21:54:46	Bright	45.000	17	78Bet Gem	1.1610	4500.0	90	7970	No
109	GOM_NL__2PRFIN20030908_215640_000000842019_00401_07970_8527.N1	08-SEP-2003 21:56:40	Twilight	84.000	28	12Bet Tau	1.6500	15200.	168	7970	No
110	GOM_NL__2PRFIN20030908_215954_000000572019_00401_07970_8528.N1	08-SEP-2003 21:59:54	Twilight	57.000	44	24Gam Gem	1.9280	11000.	114	7970	No
111	GOM_NL__2PRFIN20030908_220147_000000522019_00401_07970_8529.N1	08-SEP-2003 22:01:47	Twilight	52.000	8	10Alp CMi	0.40000	6500.0	104	7970	No
112	GOM_NL__2PRFIN20030908_220531_000000932019_00401_07970_8530.N1	08-SEP-2003 22:05:31	Dark	92.500	14	58Alp Ori	0.87000	3000.0	185	7970	No
113	GOM_NL__2PRFIN20030908_221003_000000532019_00401_07970_8531.N1	08-SEP-2003 22:10:03	Dark	53.000	1	9Alp CMa	-1.4400	11000.	106	7970	No
114	GOM_NL__2PRFIN20030908_221236_000000472019_00401_07970_8532.N1	08-SEP-2003 22:12:36	Dark	47.000	23	21Eps CMa	1.5020	26000.	94	7970	No
115	GOM_NL__2PRFIN20030908_221356_000000462019_00401_07970_8533.N1	08-SEP-2003 22:13:56	Dark	45.500	117	Pi Pup	2.7060	3800.0	91	7970	No
116	GOM_NL__2PRFIN20030908_221519_000000432019_00401_07970_8534.N1	08-SEP-2003 22:15:19	Dark	42.500	34	Gam2Vel	1.7930	23000.	85	7970	No
117	GOM_NL__2PRFIN20030908_222902_000000412019_00402_07971_9517.N1	08-SEP-2003 22:29:02	Dark	40.500	135	Bet Hyi	2.8200	5800.0	81	7971	No
118	GOM_NL__2PRFIN20030908_223056_000000482019_00402_07971_9518.N1	08-SEP-2003 22:30:56	Dark	47.500	9	Alp Eri	0.45300	24000.	95	7971	No
119	GOM_NL__2PRFIN20030908_223436_000000422019_00402_07971_9519.N1	08-SEP-2003 22:34:36	Straylight	42.000	148	Alp Tuc	2.8780	4100.0	84	7971	No
120	GOM_NL__2PRFIN20030908_223649_000000512019_00402_07971_9520.N1	08-SEP-2003 22:36:49	Straylight	51.000	84	Alp Phe	2.3970	4500.0	102	7971	No
121	GOM_NL__2PRFIN20030908_224105_000000402019_00402_07971_9521.N1	08-SEP-2003 22:41:05	Straylight	40.000	172	Gam Gru	3.0030	13100.	80	7971	No
122	GOM_NL__2PRFIN20030908_224227_000000512019_00402_07971_9522.N1	08-SEP-2003 22:42:27	Straylight	50.500	18	24Alp PsA	1.1660	9700.0	101	7971	No
123	GOM_NL__2PRFIN20030908_224640_000000532019_00402_07971_9523.N1	08-SEP-2003 22:46:40	Dark	53.000	1014	Mars	0.0000	0.0000	106	7971	Yes
124	GOM_NL__2PRFIN20030908_225007_000000422019_00402_07971_9524.N1	08-SEP-2003 22:50:07	Bright	42.000	154	22Bet Aqr	2.8990	5700.0	84	7971	No
125	GOM_NL__2PRFIN20030908_225127_000000412019_00402_07971_9525.N1	08-SEP-2003 22:51:27	Bright	40.500	162	34Alp Aqr	2.9440	5350.0	81	7971	No
126	GOM_NL__2PRFIN20030908_225425_000000402019_00402_07971_9526.N1	08-SEP-2003 22:54:25	Bright	39.500	61	8Eps Peg	2.1000	3900.0	79	7971	No
127	GOM_NL__2PRFIN20030908_225634_000000462019_00402_07971_9527.N1	08-SEP-2003 22:56:34	Bright	46.000	90	54Alp Peg	2.4870	11000.	92	7971	No
128	GOM_NL__2PRFIN20030908_230049_000000422019_00402_07971_9528.N1	08-SEP-2003 23:00:49	Bright	42.000	164	44Eta Peg	2.9480	5400.0	84	7971	No
129	GOM_NL__2PRFIN20030908_230329_000000402019_00402_07971_9529.N1	08-SEP-2003 23:03:29	Bright	39.500	66	37Gam Cyg	2.2080	5900.0	79	7971	No
130	GOM_NL__2PRFIN20030908_230526_000000392019_00402_07971_9530.N1	08-SEP-2003 23:05:26	Bright	38.500	144	18Del Cyg	2.8600	11000.	77	7971	No
131	GOM_NL__2PRFIN20030908_230918_000000392019_00402_07971_9531.N1	08-SEP-2003 23:09:18	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	7971	No
132	GOM_NL__2PRFIN20030908_231110_000000442019_00402_07971_9532.N1	08-SEP-2003 23:11:10	Bright	43.500	74	11Bet Cas	2.2680	6600.0	87	7971	No
133	GOM_NL__2PRFIN20030908_231309_000000422019_00402_07971_9533.N1	08-SEP-2003 23:13:09	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	7971	No
134	GOM_NL__2PRFIN20030908_231700_000000402019_00402_07971_9534.N1	08-SEP-2003 23:17:00	Bright	39.500	49	1Alp UMi	1.9900	6300.0	79	7971	No
135	GOM_NL__2PRFIN20030908_231955_000000592019_00402_07971_9535.N1	08-SEP-2003 23:19:55	Bright	59.000	160	23Gam Per	2.9300	4700.0	118	7971	No
136	GOM_NL__2PRFIN20030908_232519_000000522019_00402_07971_9536.N1	08-SEP-2003 23:25:19	Bright	52.000	82	48Bet UMa	2.3650	10600.	104	7971	No
137	GOM_NL__2PRFIN20030908_232833_000000682019_00402_07971_9537.N1	08-SEP-2003 23:28:33	Bright	67.500	6	13Alp Aur	0.080000	3400.0	135	7971	No
138	GOM_NL__2PRFIN20030908_233250_000000542019_00402_07971_9538.N1	08-SEP-2003 23:32:50	Bright	54.000	107	37The Aur	2.6490	11000.	108	7971	No
139	GOM_NL__2PRFIN20030908_233522_000000462019_00402_07971_9539.N1	08-SEP-2003 23:35:22	Bright	45.500	17	78Bet Gem	1.1610	4500.0	91	7971	No
140	GOM_NL__2PRFIN20030908_233717_000000882019_00402_07971_9540.N1	08-SEP-2003 23:37:17	Twilight	87.500	28	12Bet Tau	1.6500	15200.	175	7971	No
141	GOM_NL__2PRFIN20030908_234031_000000582019_00402_07971_9541.N1	08-SEP-2003 23:40:31	Twilight	58.000	44	24Gam Gem	1.9280	11000.	116	7971	No
142	GOM_NL__2PRFIN20030908_234223_000000582019_00402_07971_9542.N1	08-SEP-2003 23:42:23	Twilight	58.000	8	10Alp CMi	0.40000	6500.0	116	7971	No
143	GOM_NL__2PRFIN20030908_234608_000000892019_00402_07971_9543.N1	08-SEP-2003 23:46:08	Dark	89.000	14	58Alp Ori	0.87000	3000.0	178	7971	No
144	GOM_NL__2PRFIN20030908_235040_000000582019_00402_07971_9544.N1	08-SEP-2003 23:50:40	Dark	57.500	1	9Alp CMa	-1.4400	11000.	115	7971	No
145	GOM_NL__2PRFIN20030908_235310_000000472019_00402_07971_9545.N1	08-SEP-2003 23:53:10	Dark	47.000	23	21Eps CMa	1.5020	26000.	94	7971	No
146	GOM_NL__2PRFIN20030908_235430_000000442019_00402_07971_9546.N1	08-SEP-2003 23:54:30	Dark	43.500	117	Pi Pup	2.7060	3800.0	87	7971	No
147	GOM_NL__2PRFIN20030908_235557_000000422019_00402_07971_9547.N1	08-SEP-2003 23:55:57	Dark	42.000	34	Gam2Vel	1.7930	23000.	84	7971	No

3. Quality information per product

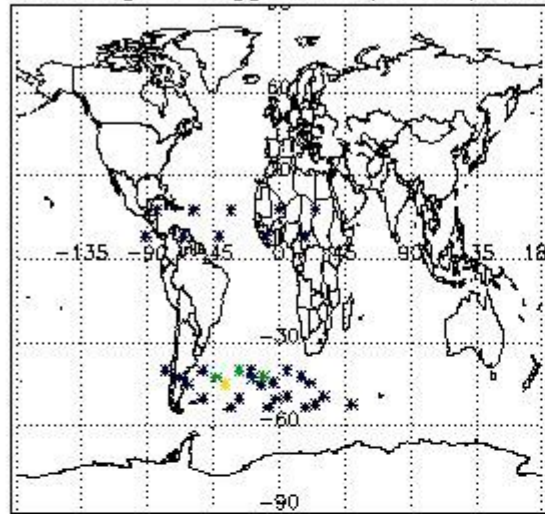
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

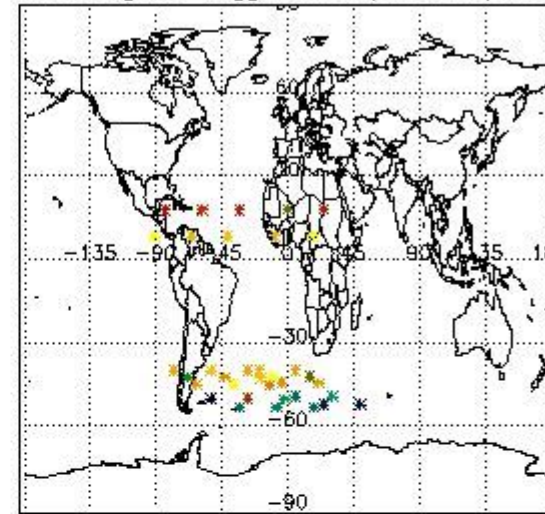


3.2 Plot quality information per product (world map)

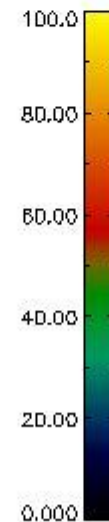
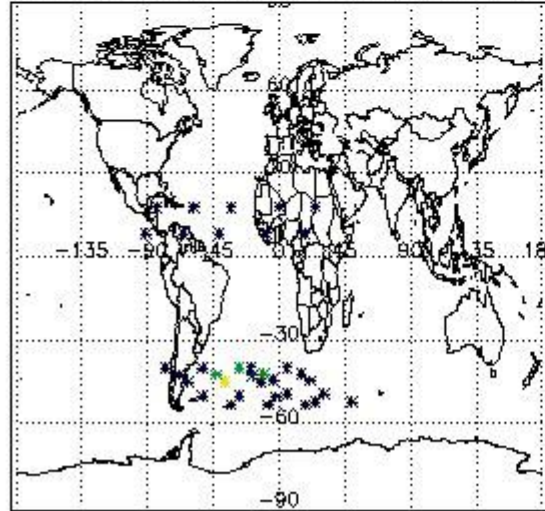
Percentage of flagged data per O3 profile



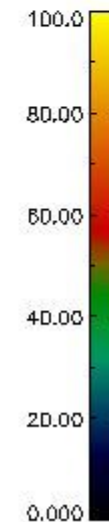
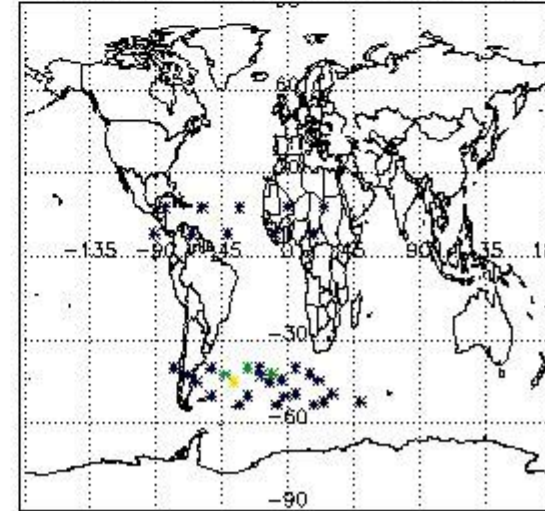
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

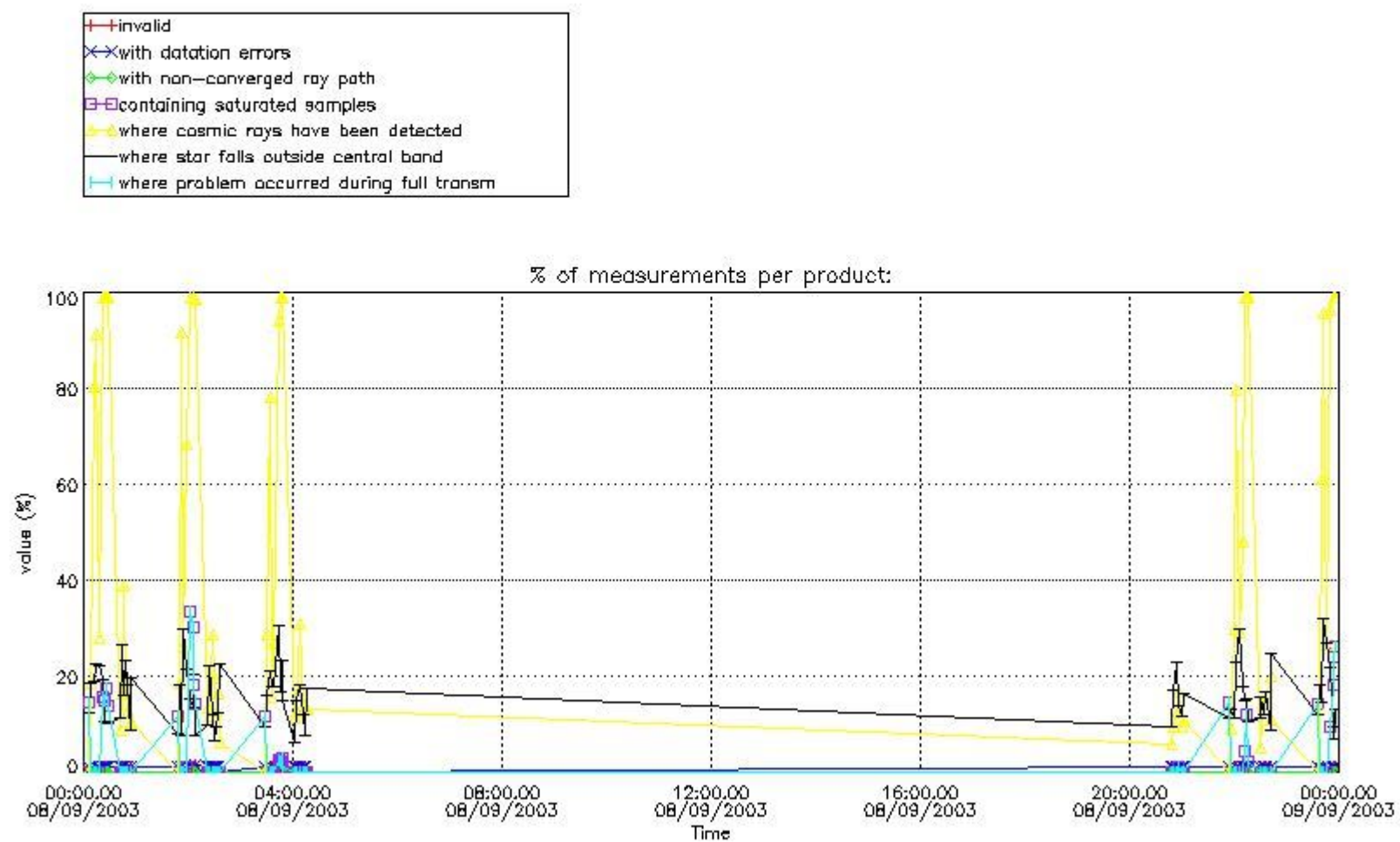


4. Level 1 quality information per product

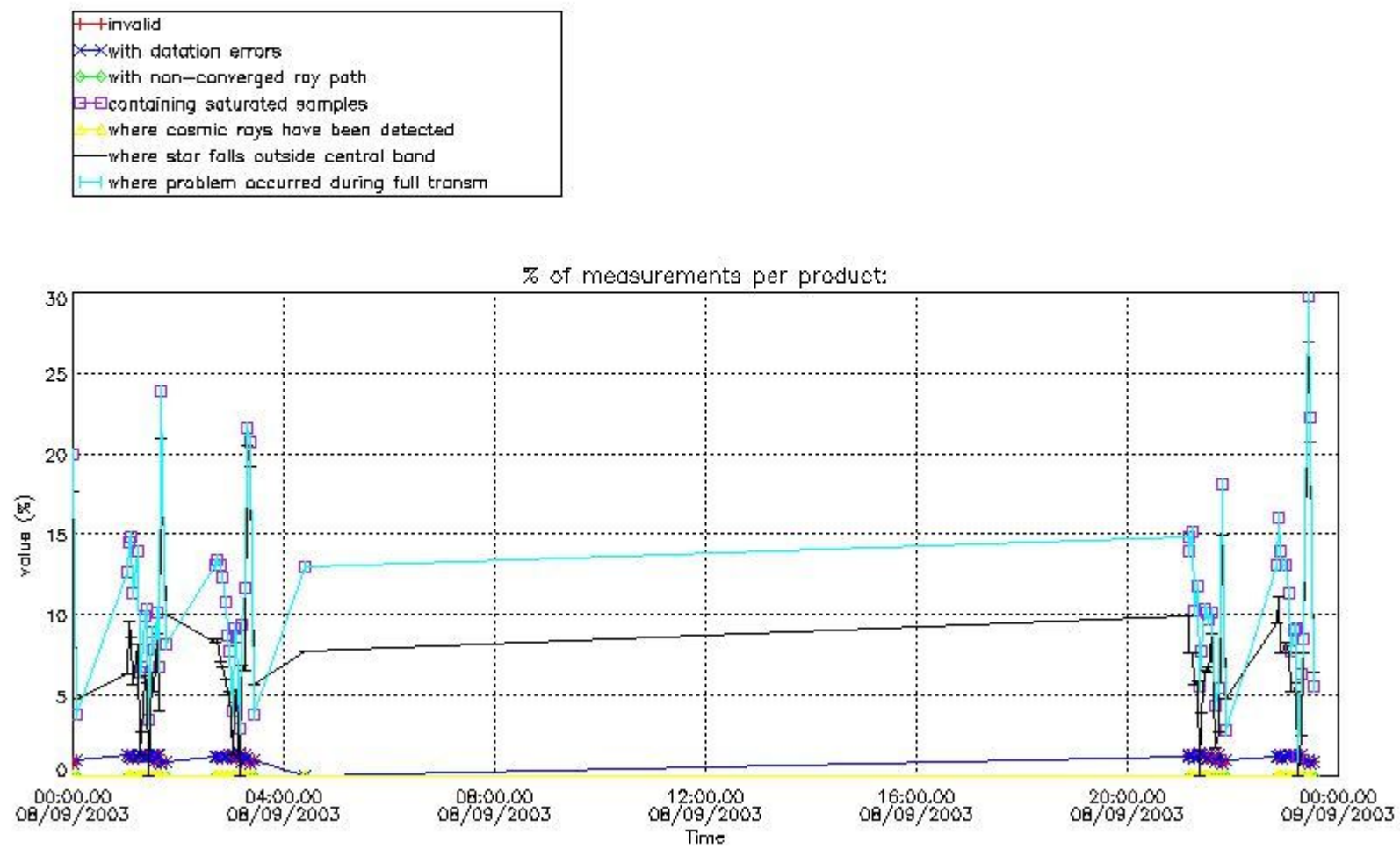
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



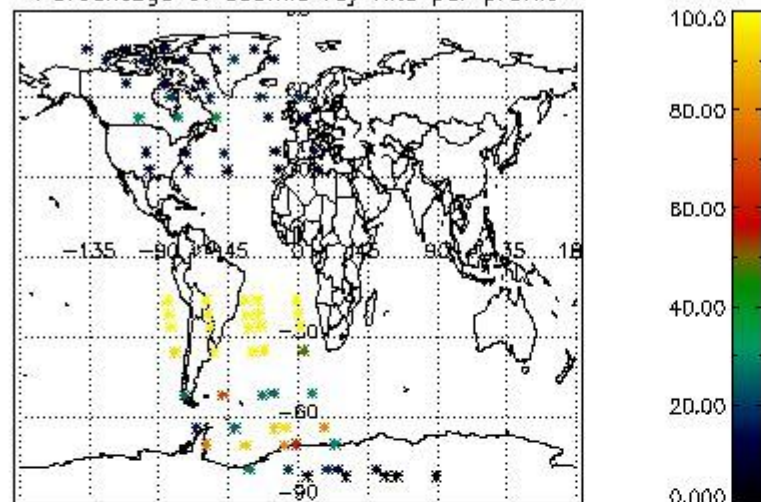
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



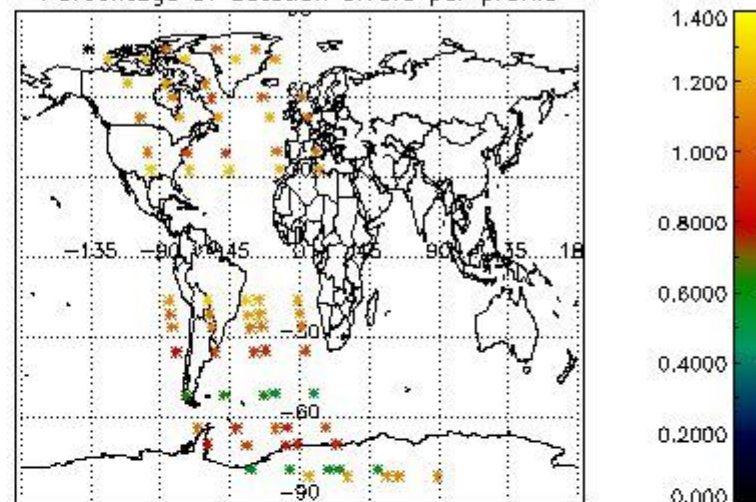
4.2 Plot quality information per product coming from level 1b processing (world map)

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

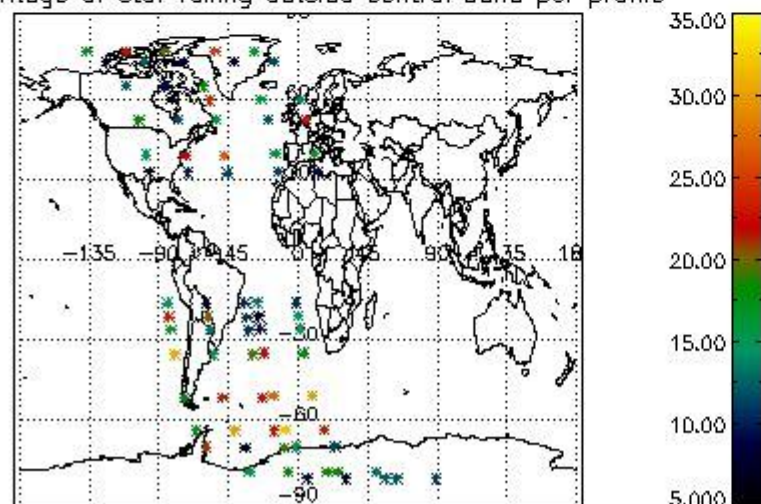
Percentage of cosmic ray hits per profile



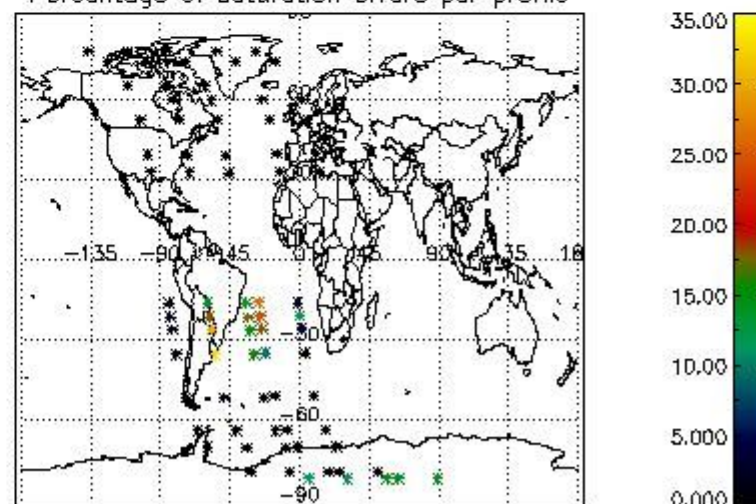
Percentage of datation errors per profile



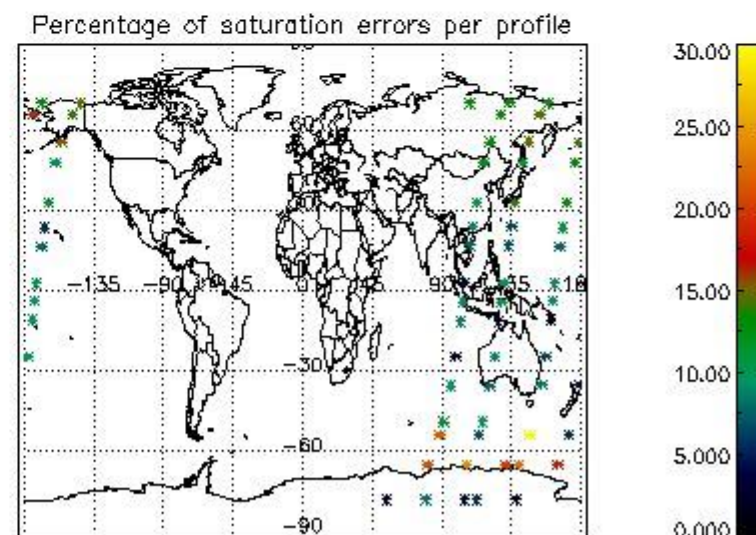
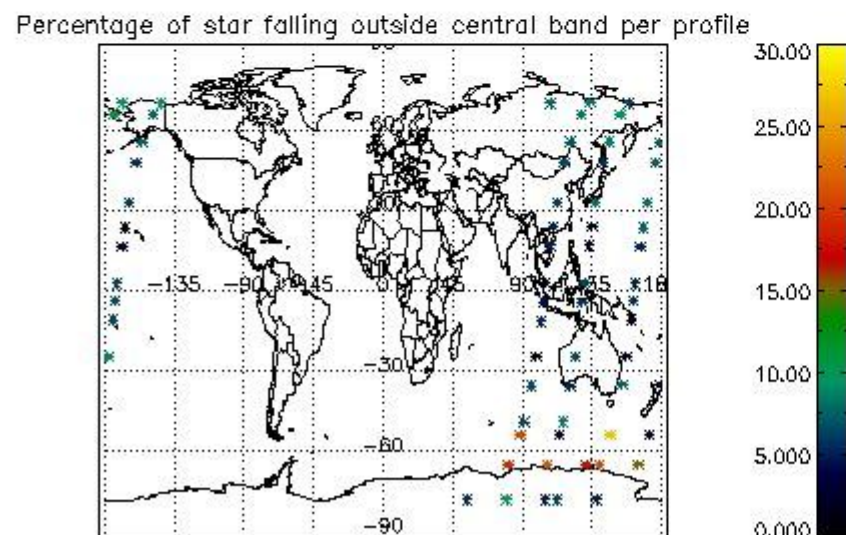
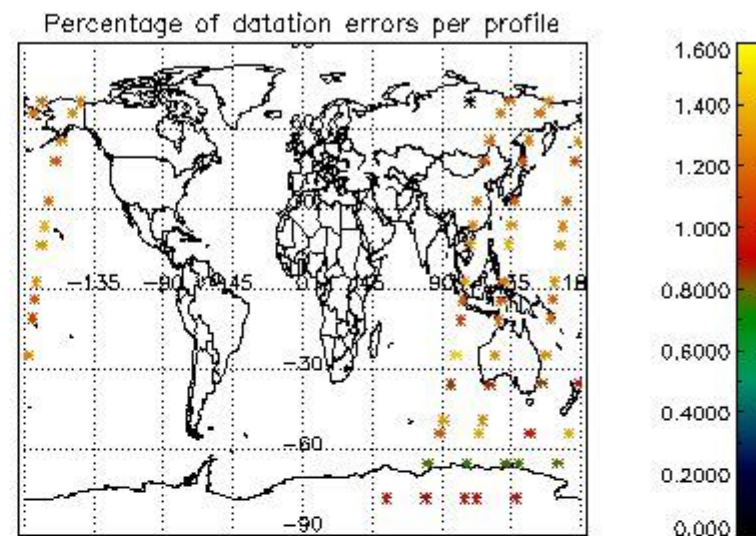
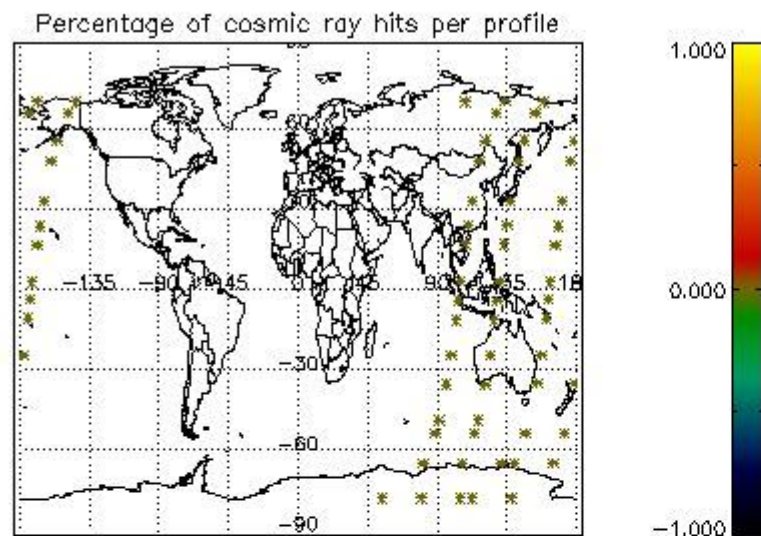
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

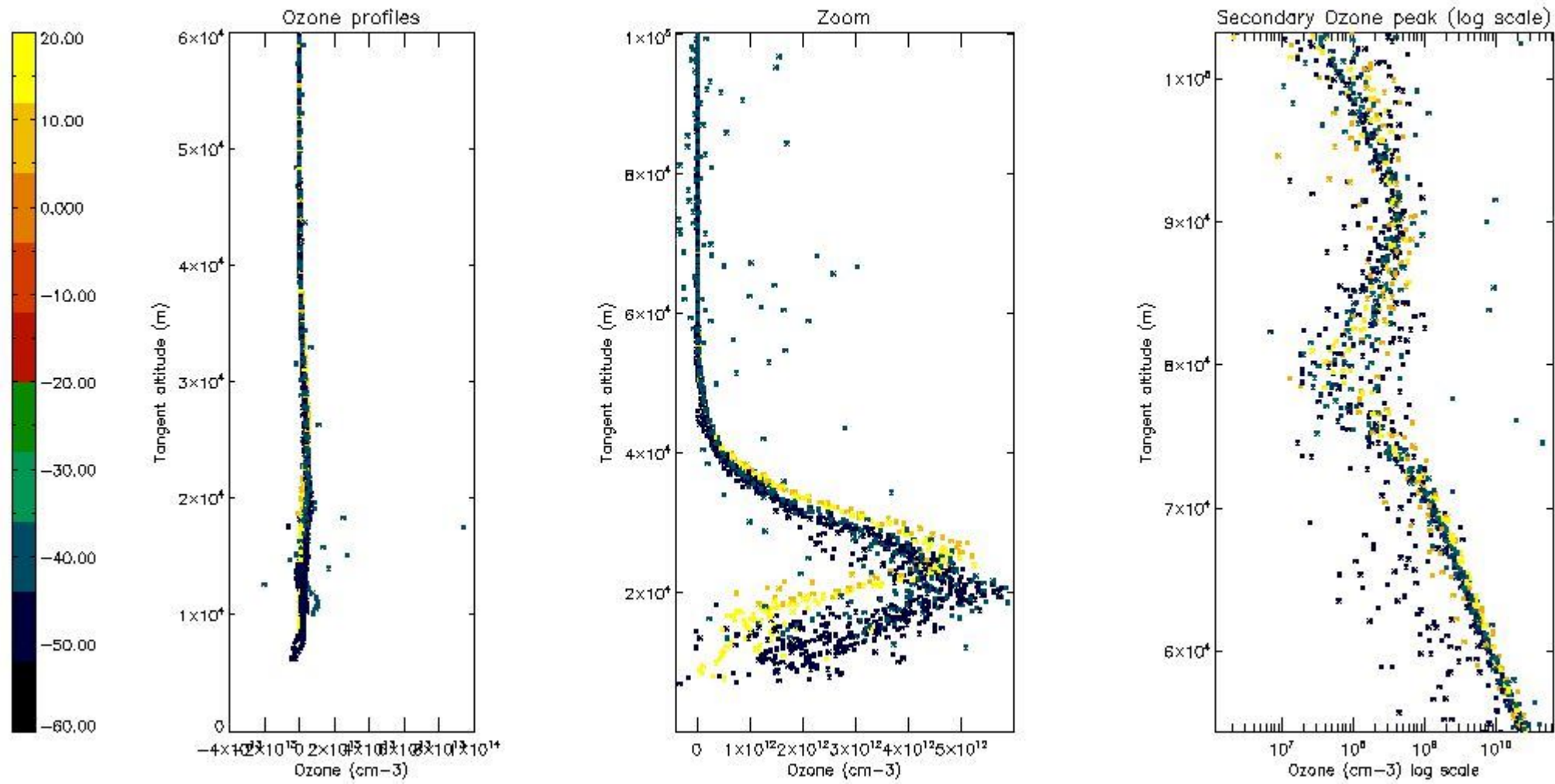
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	26
STD < 20	14

STD < 10	12
STD < 5	9

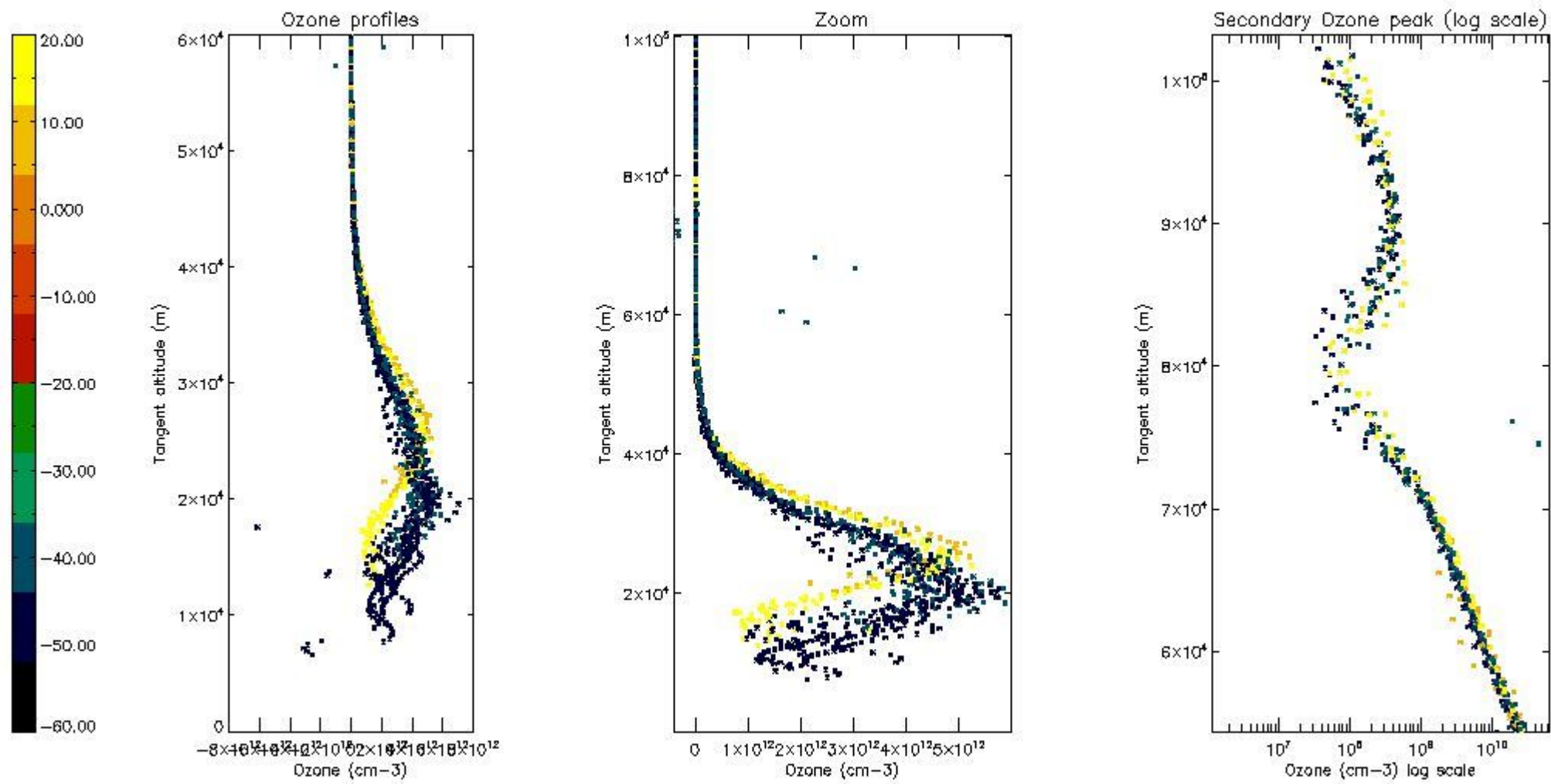
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



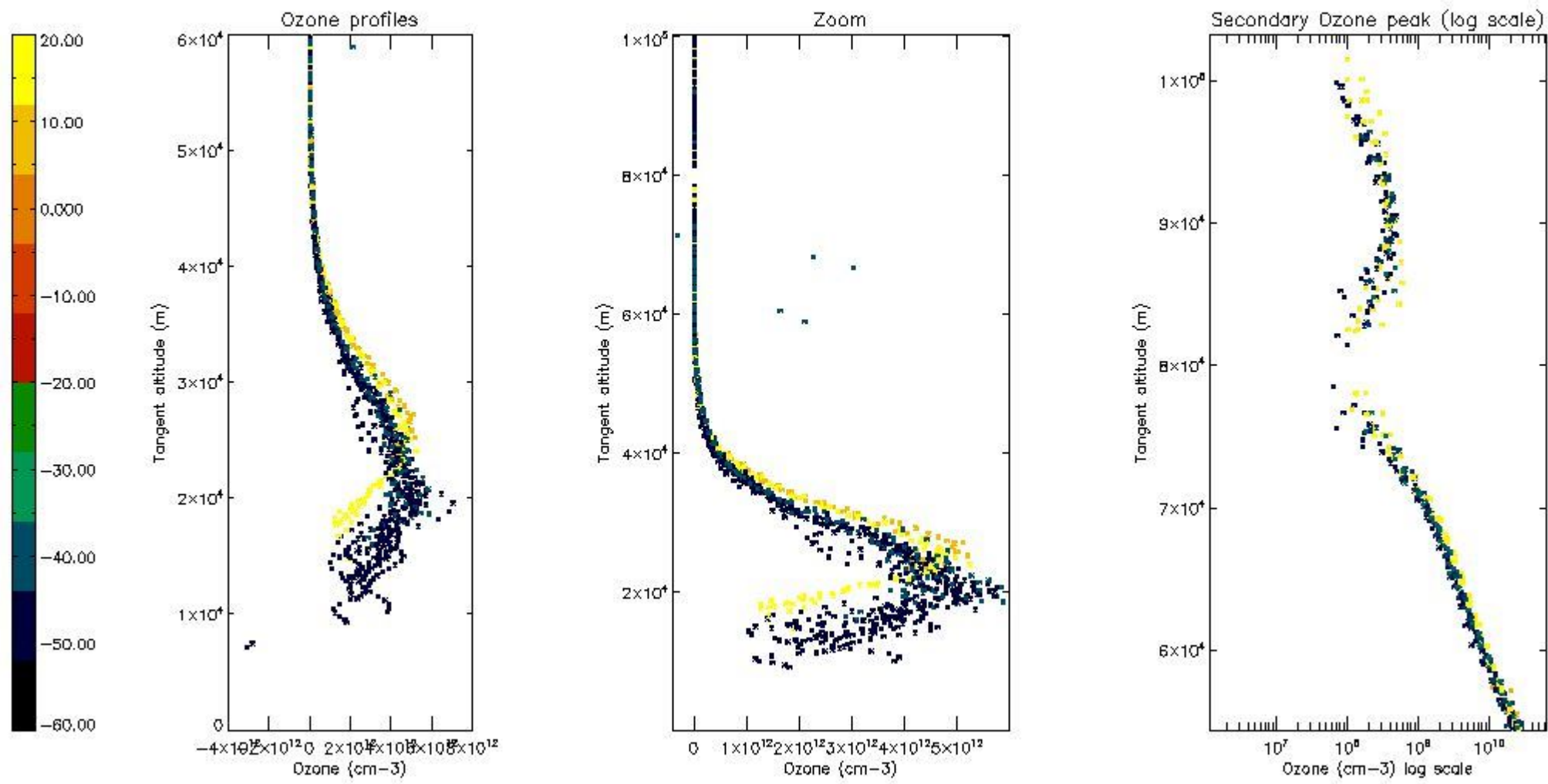
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



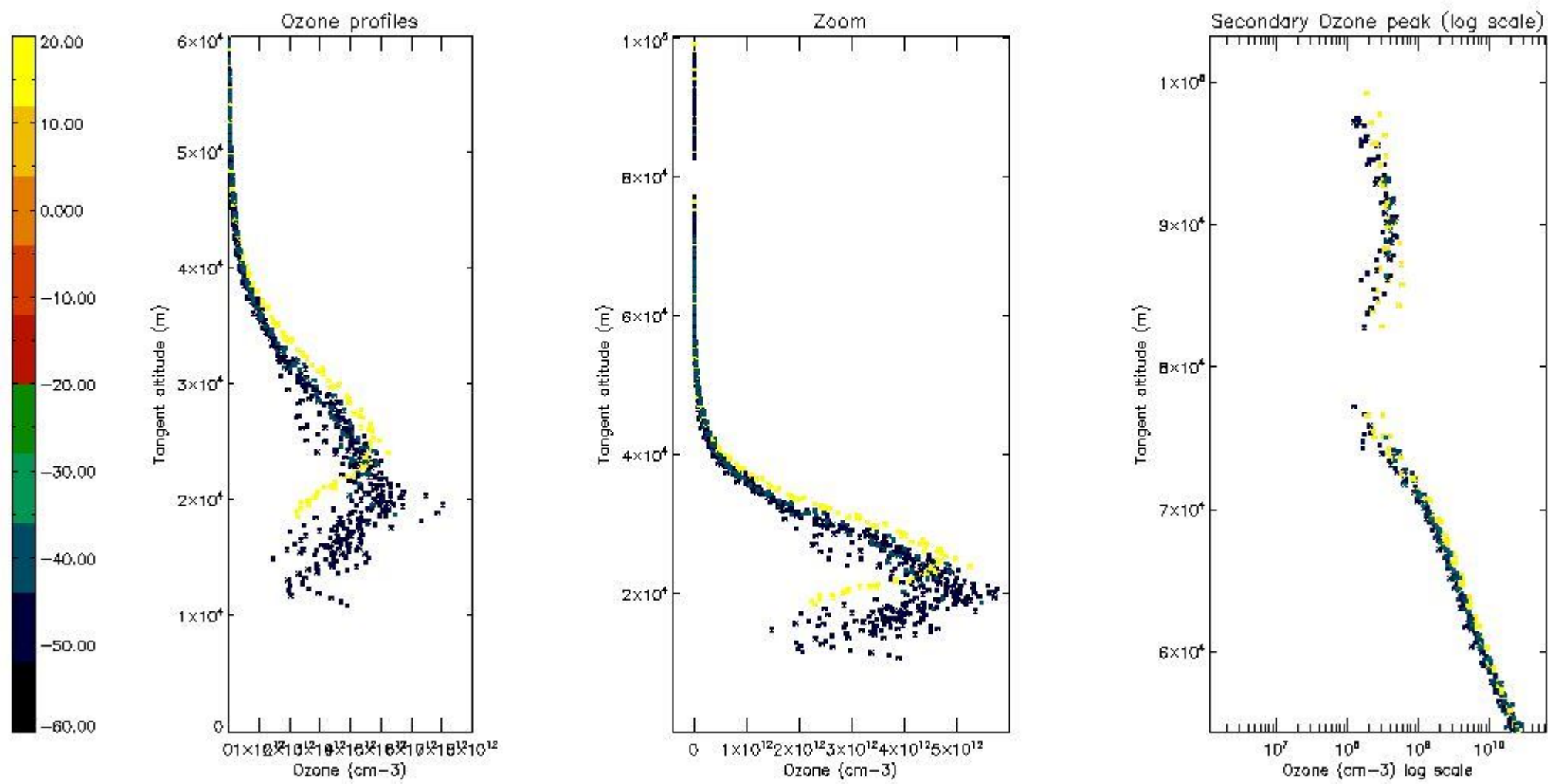
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



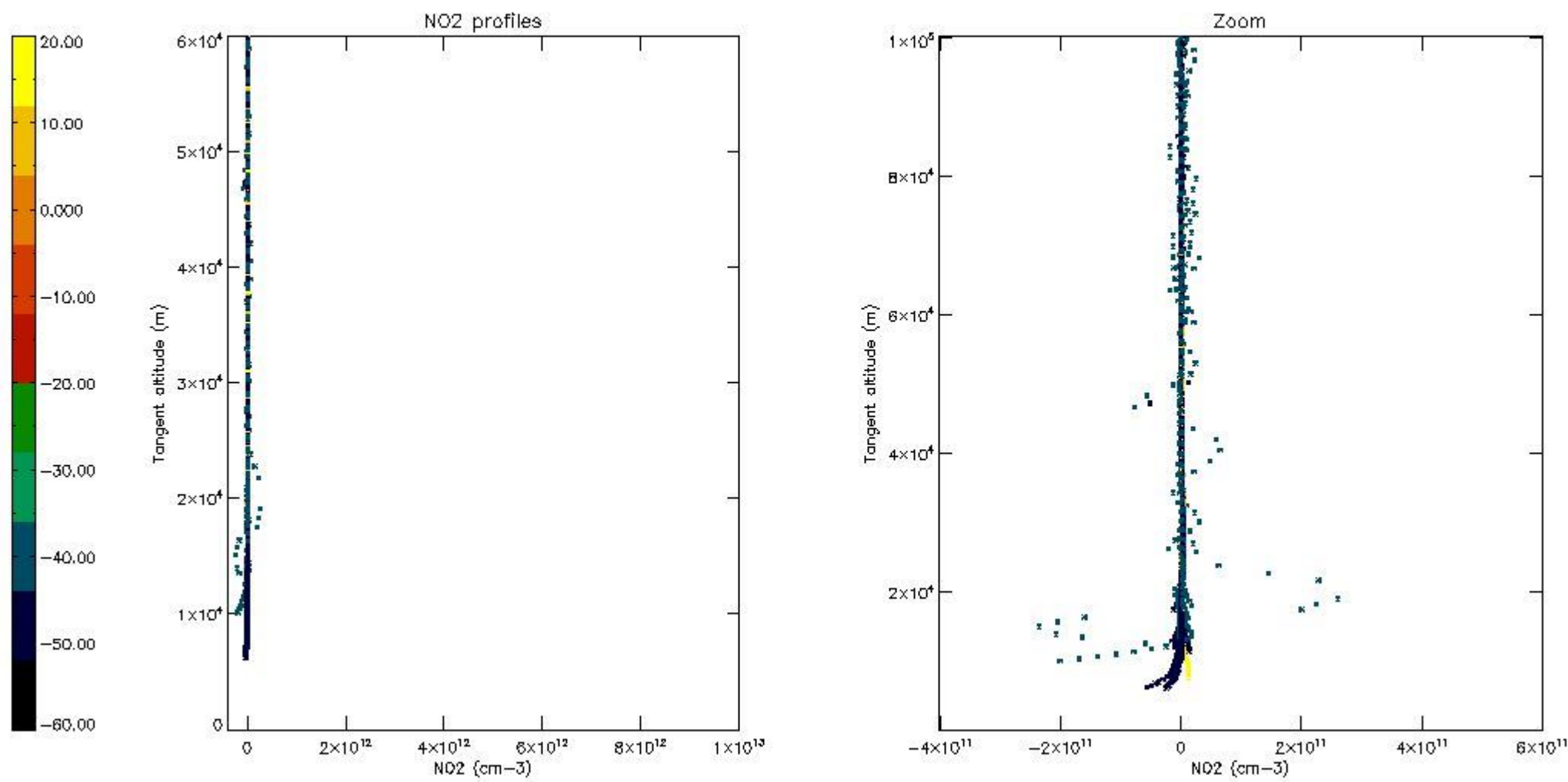
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



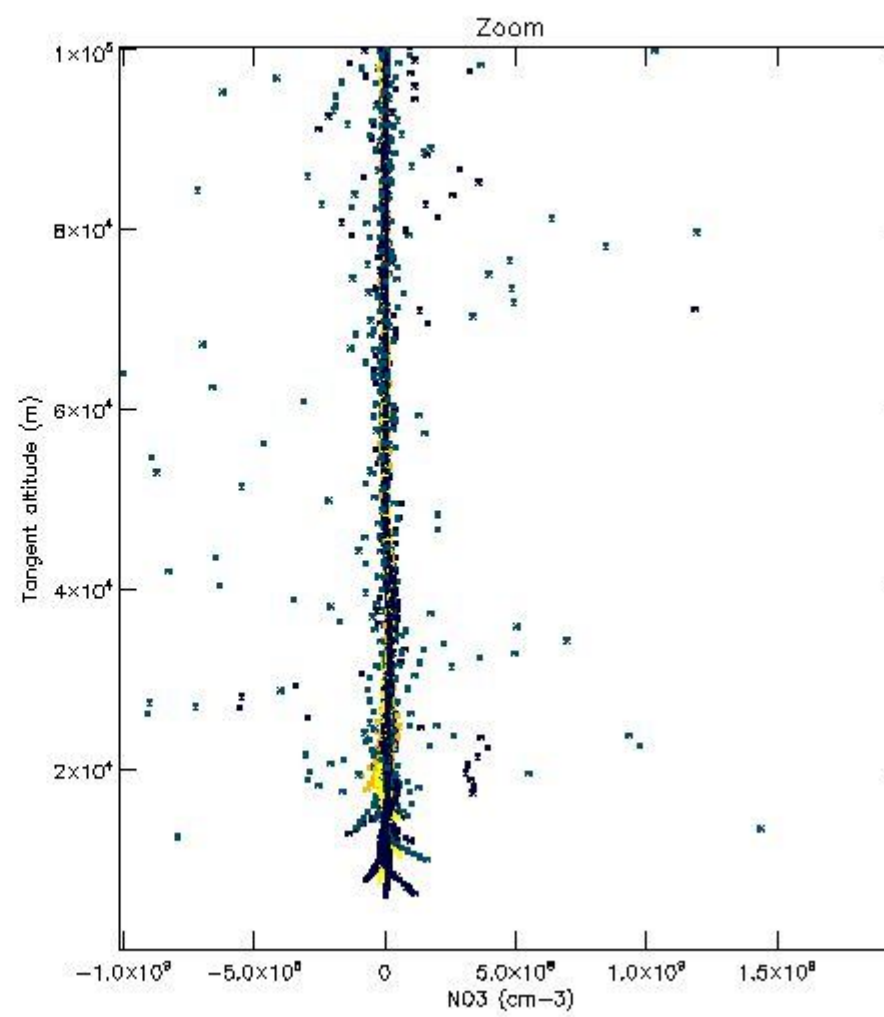
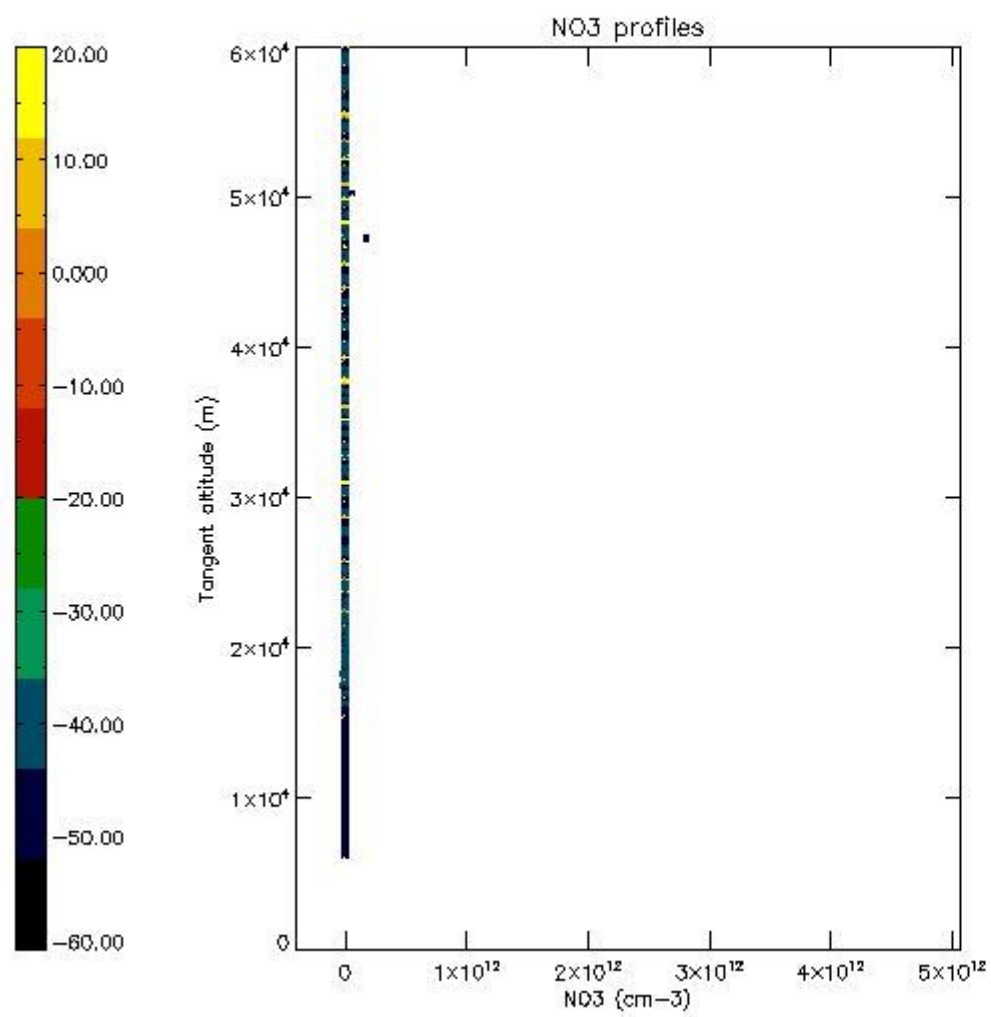
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



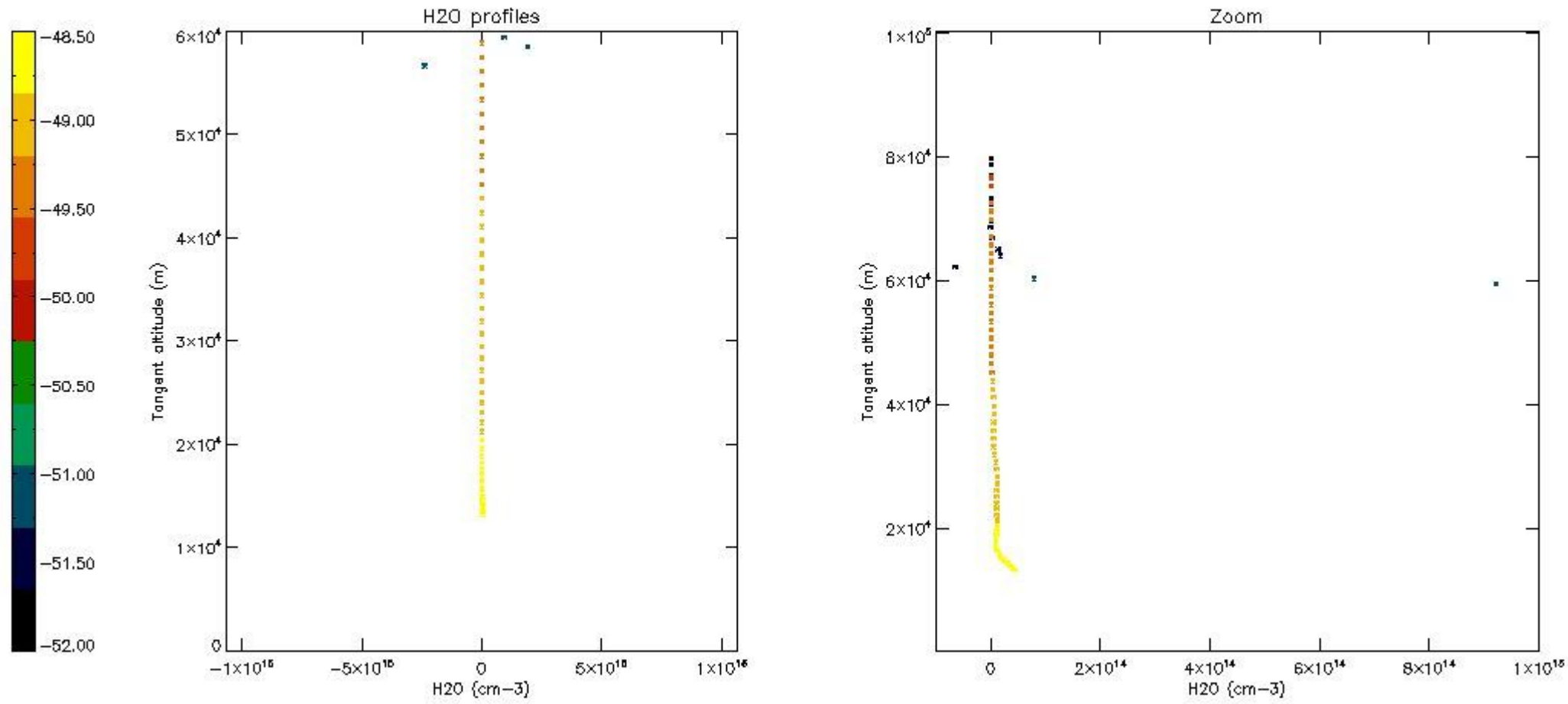
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

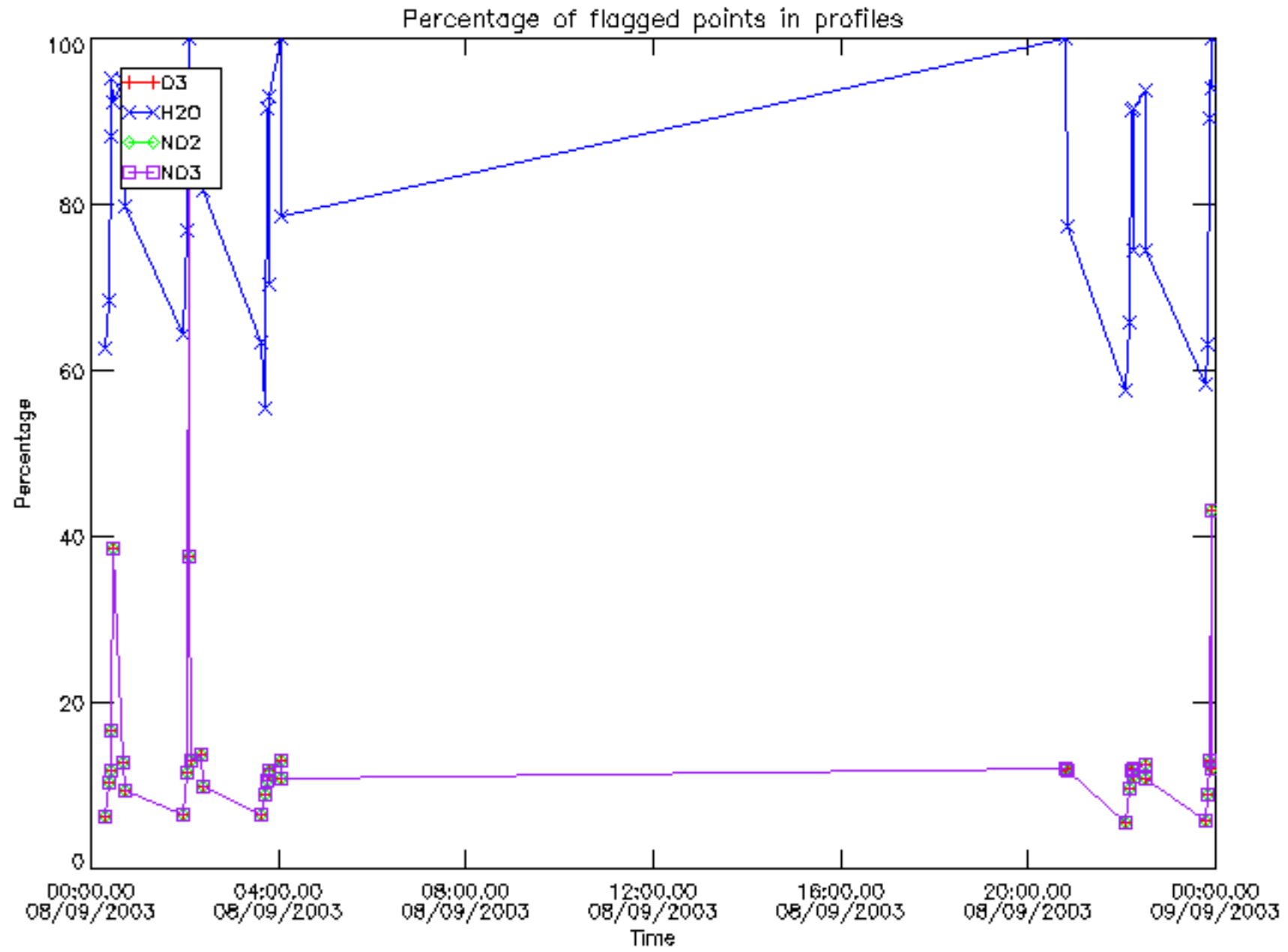
The colorbar represents the latitude.



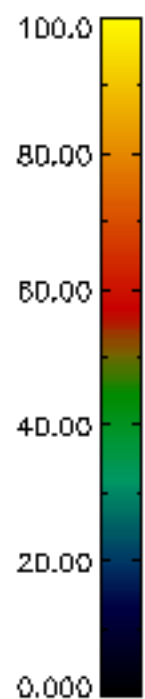
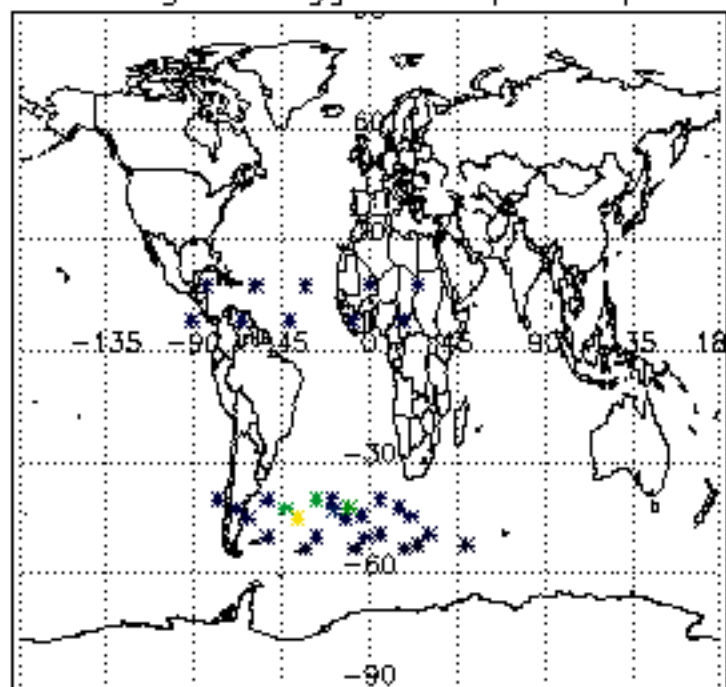
6. Auxiliary Data Files used for the production reported in section 2

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.

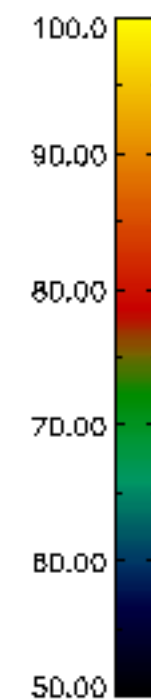
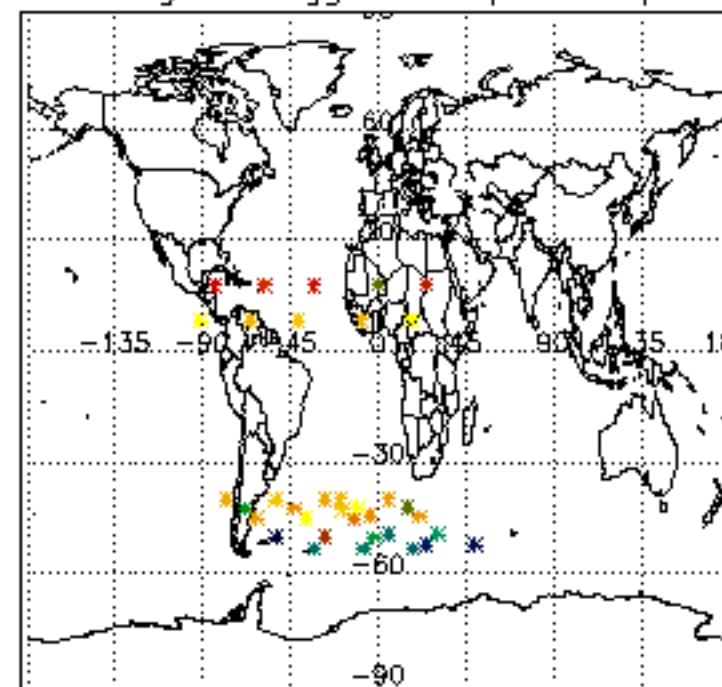
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	08-SEP-2003 00:00:15
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	08-SEP-2003 00:00:15
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	08-SEP-2003 00:00:15



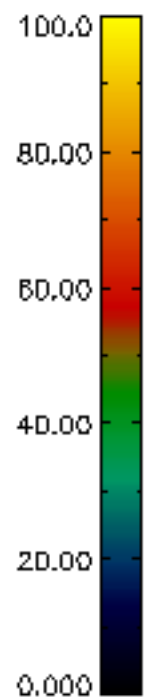
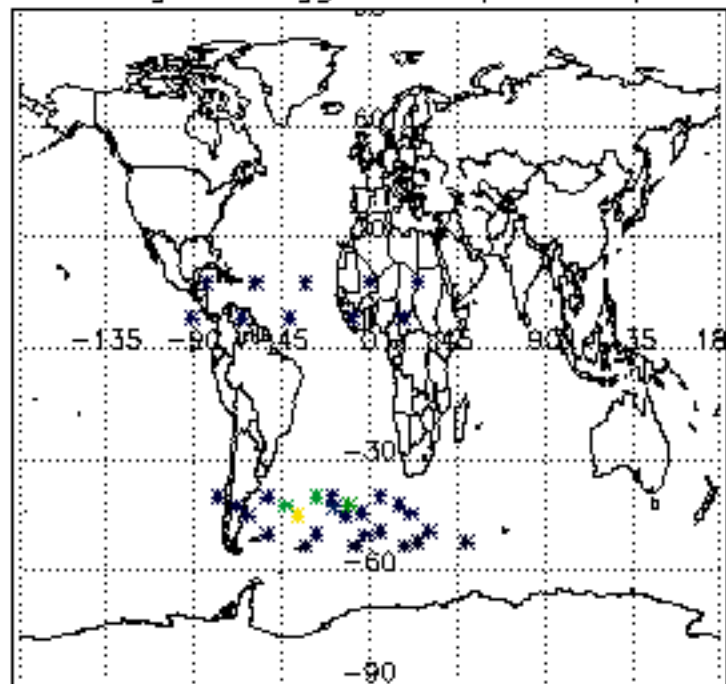
Percentage of flagged data per D3 profile



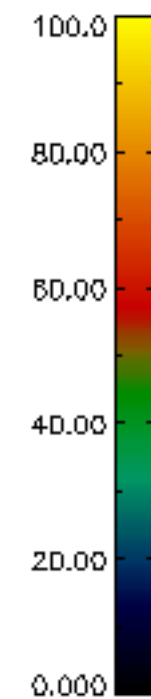
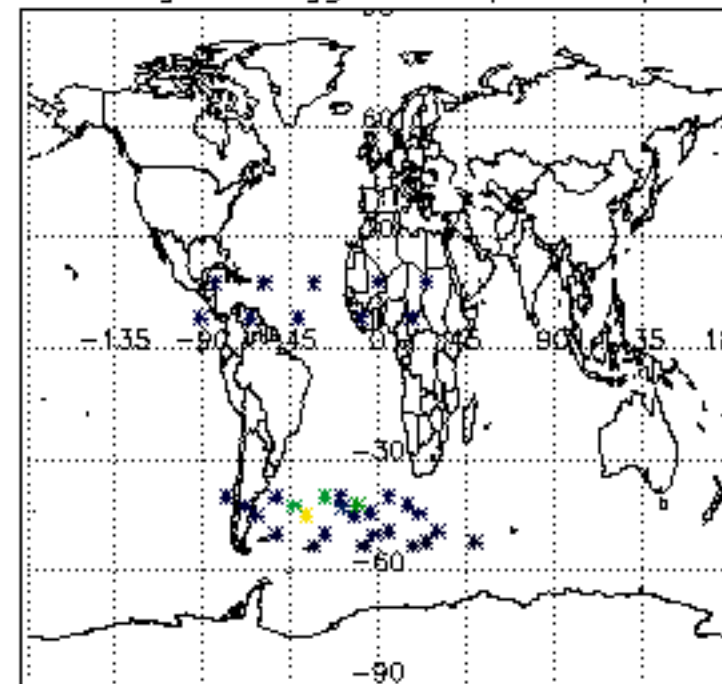
Percentage of flagged data per H2O profile

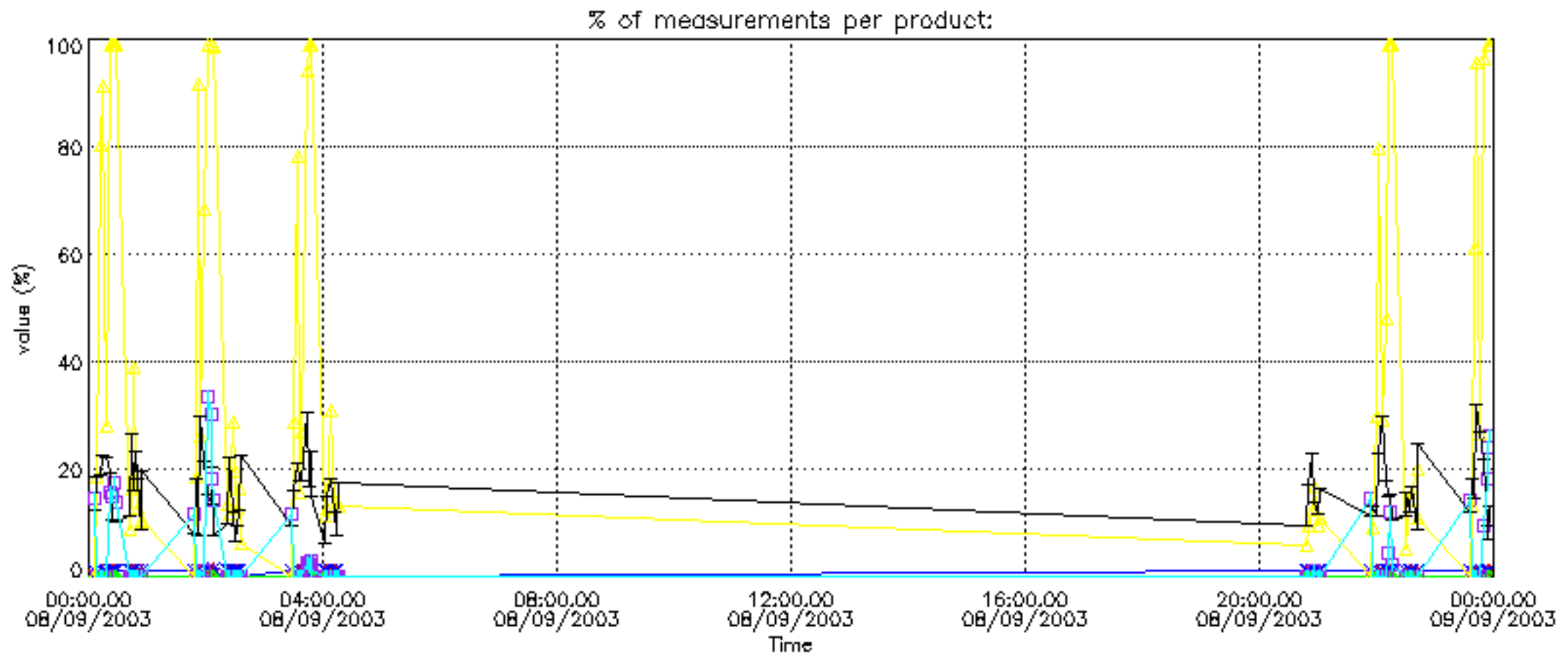


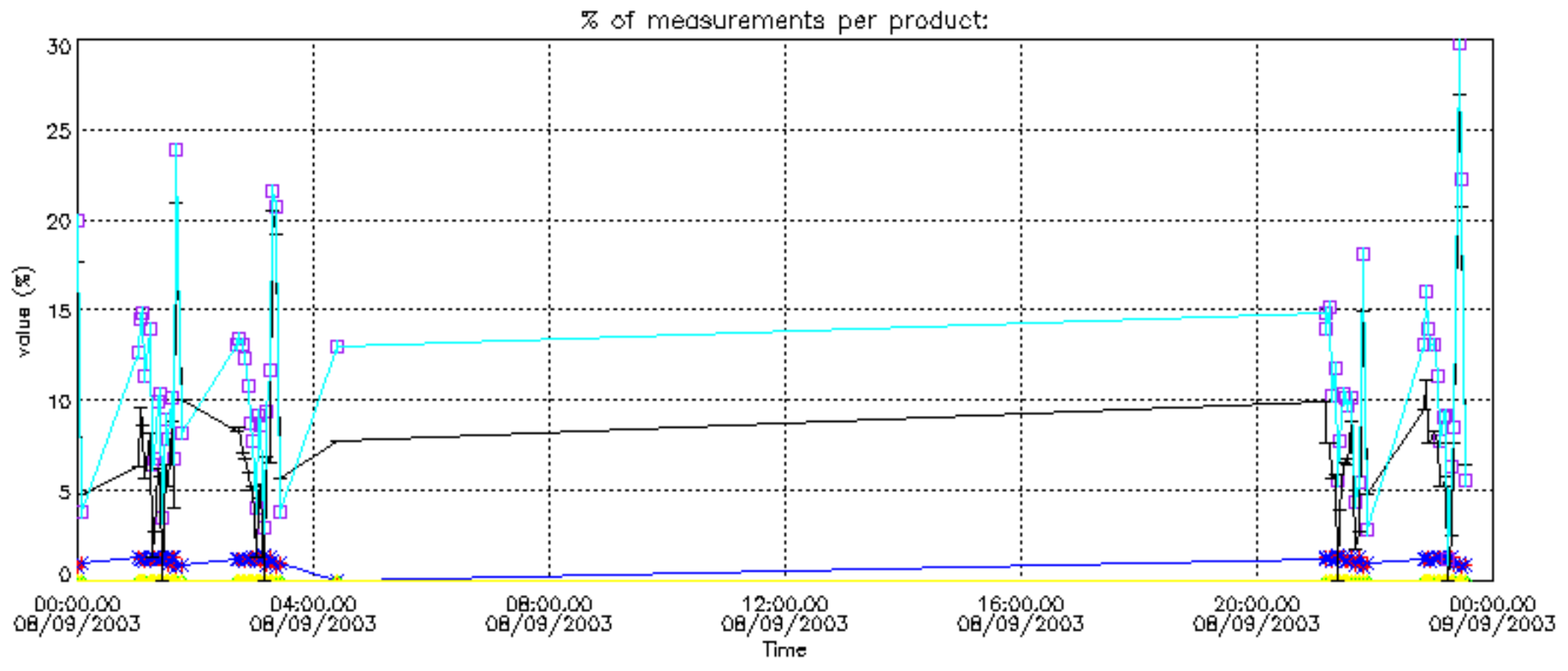
Percentage of flagged data per NO2 profile



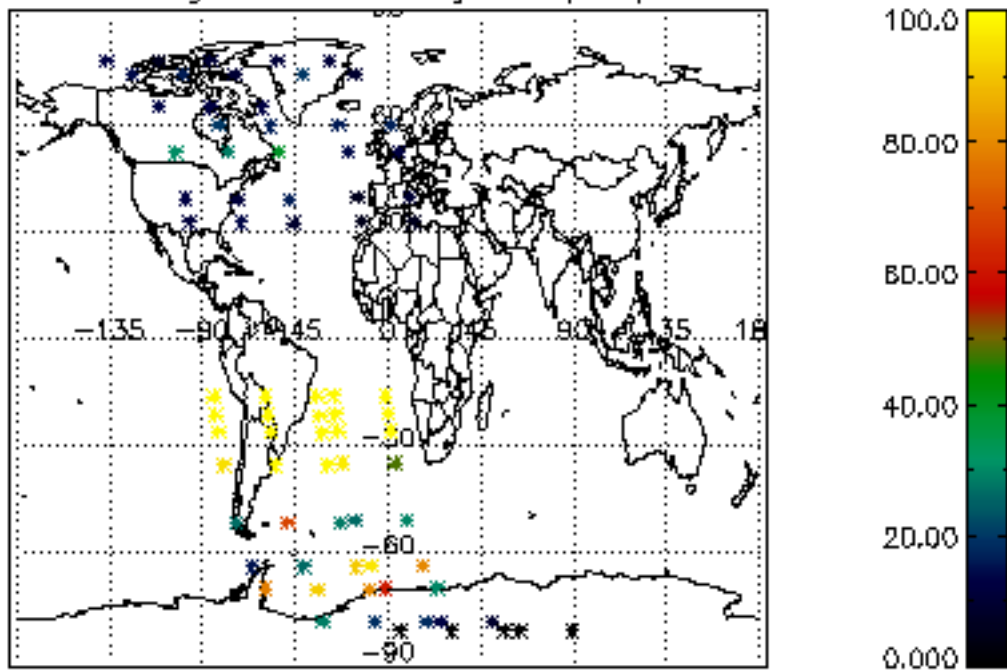
Percentage of flagged data per NO3 profile



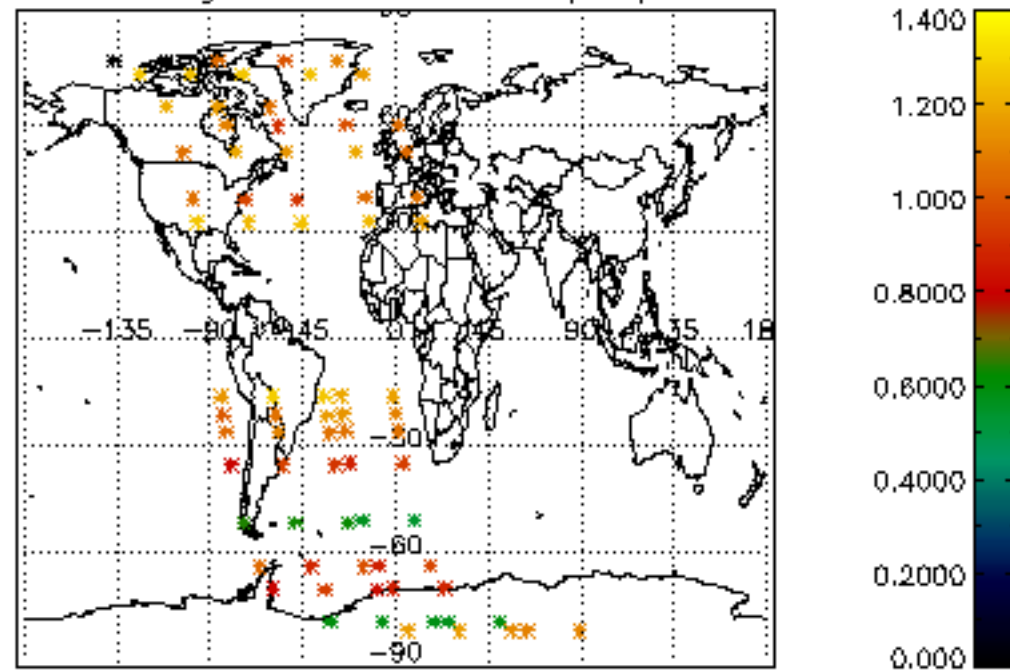




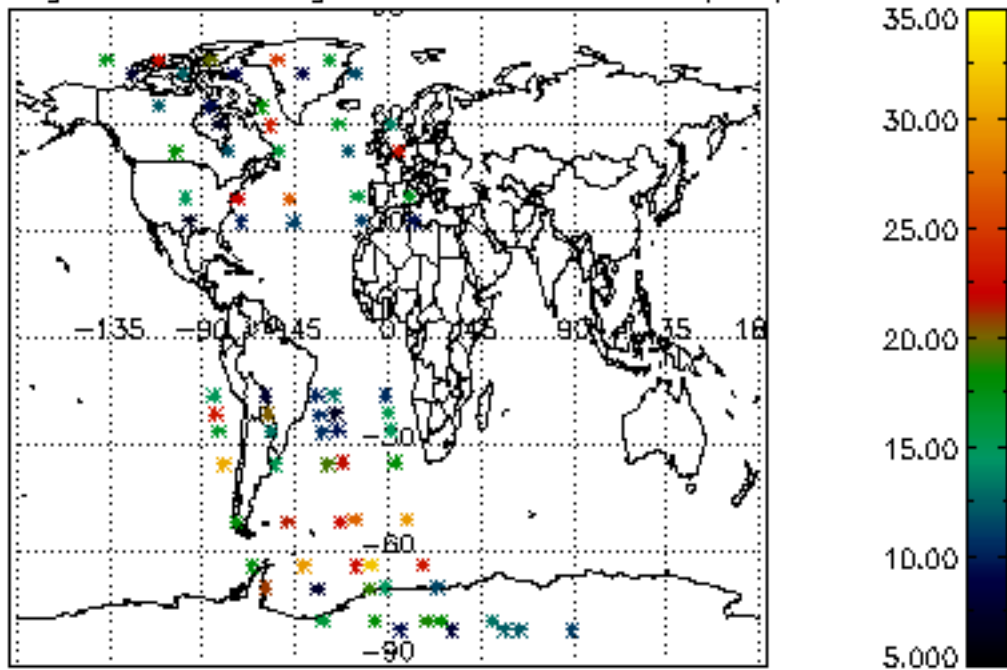
Percentage of cosmic ray hits per profile



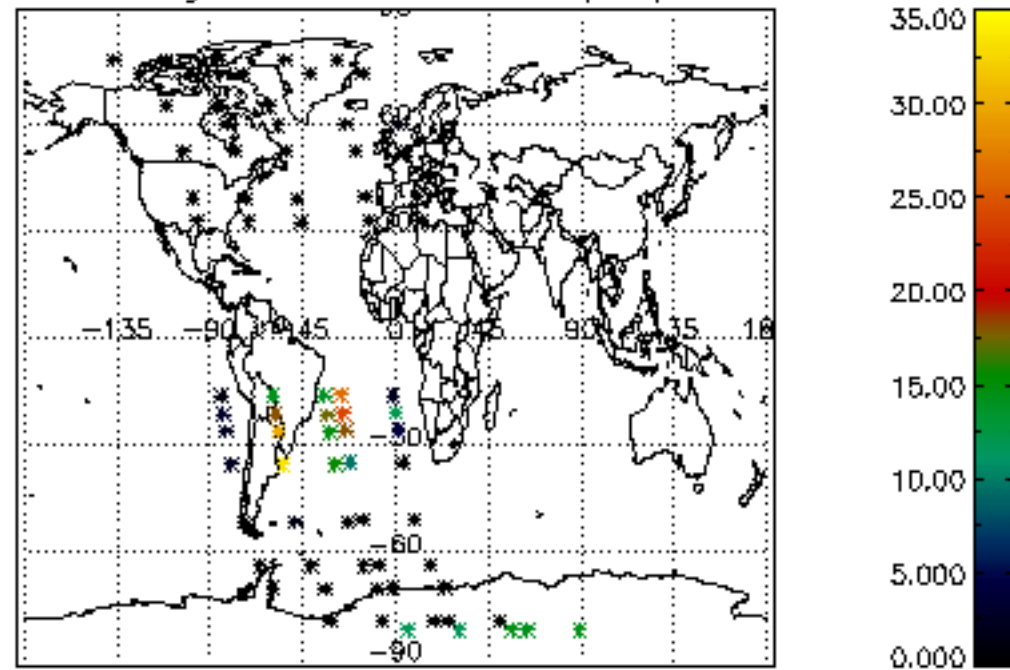
Percentage of datation errors per profile



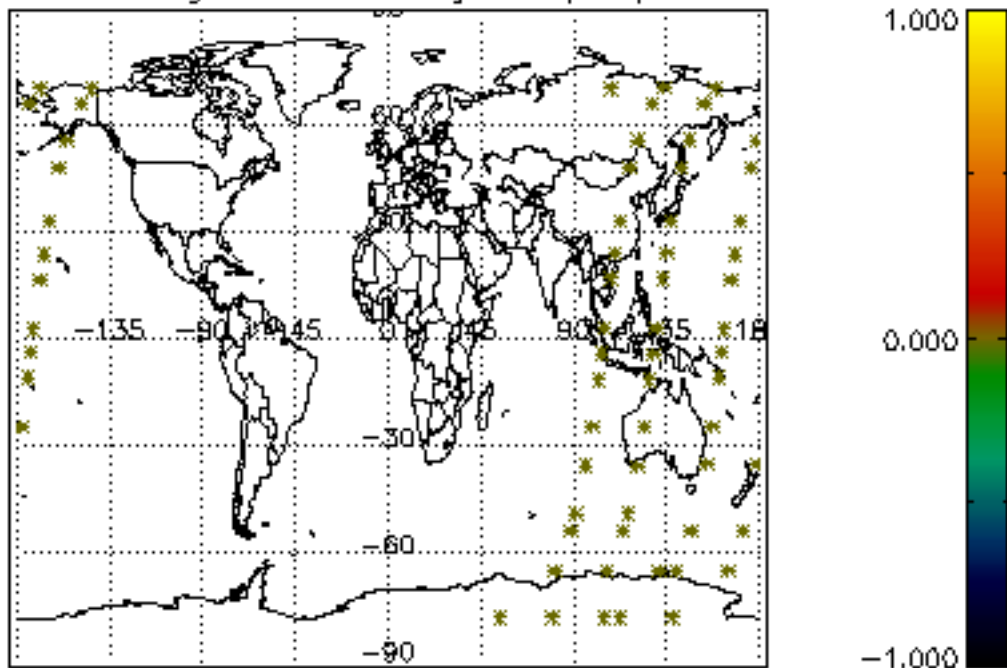
Percentage of star falling outside central band per profile



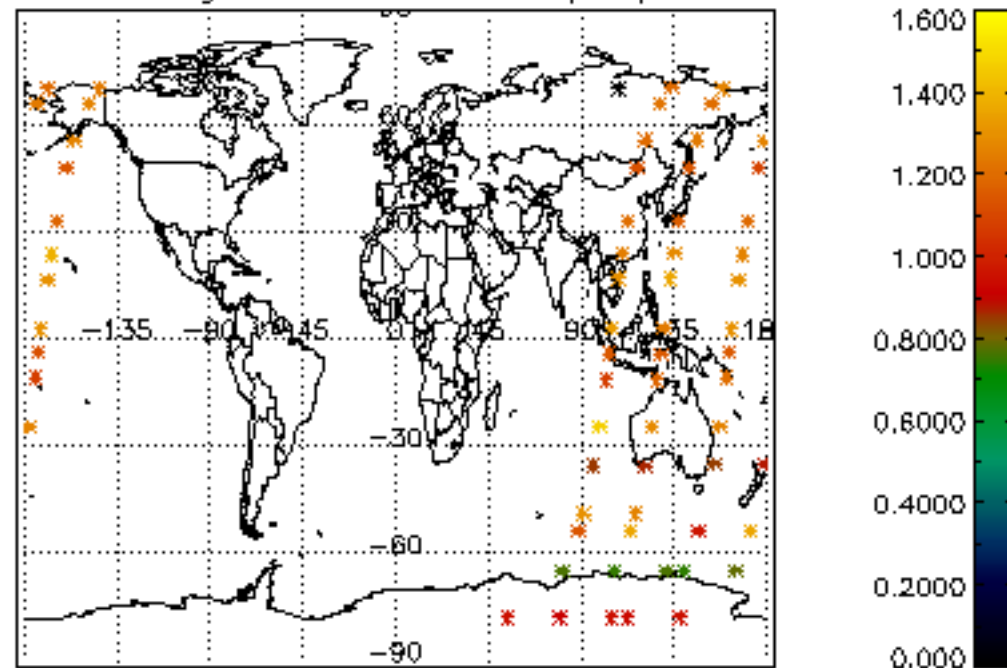
Percentage of saturation errors per profile



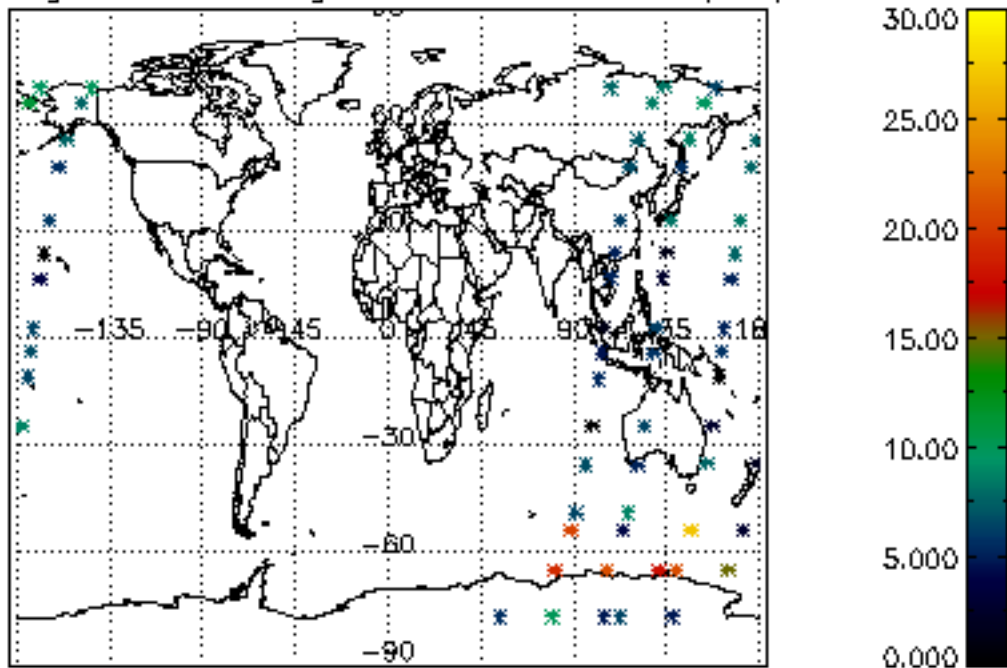
Percentage of cosmic ray hits per profile



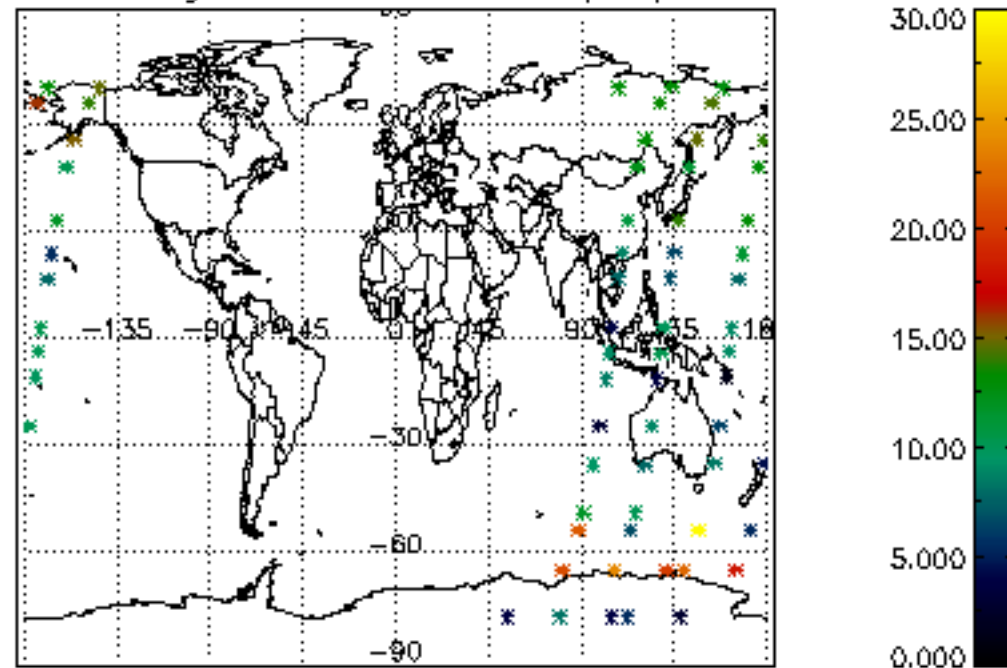
Percentage of datation errors per profile

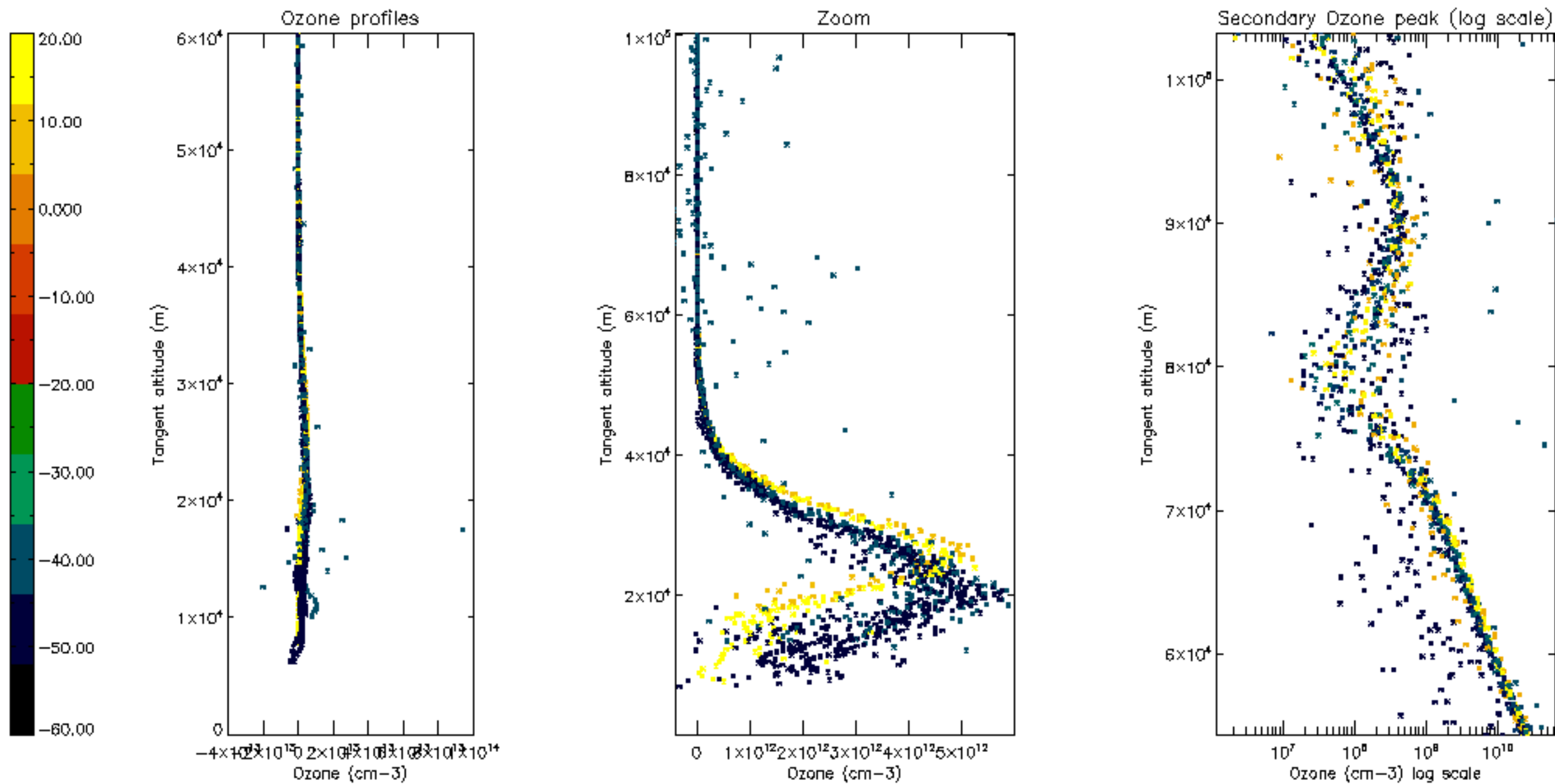


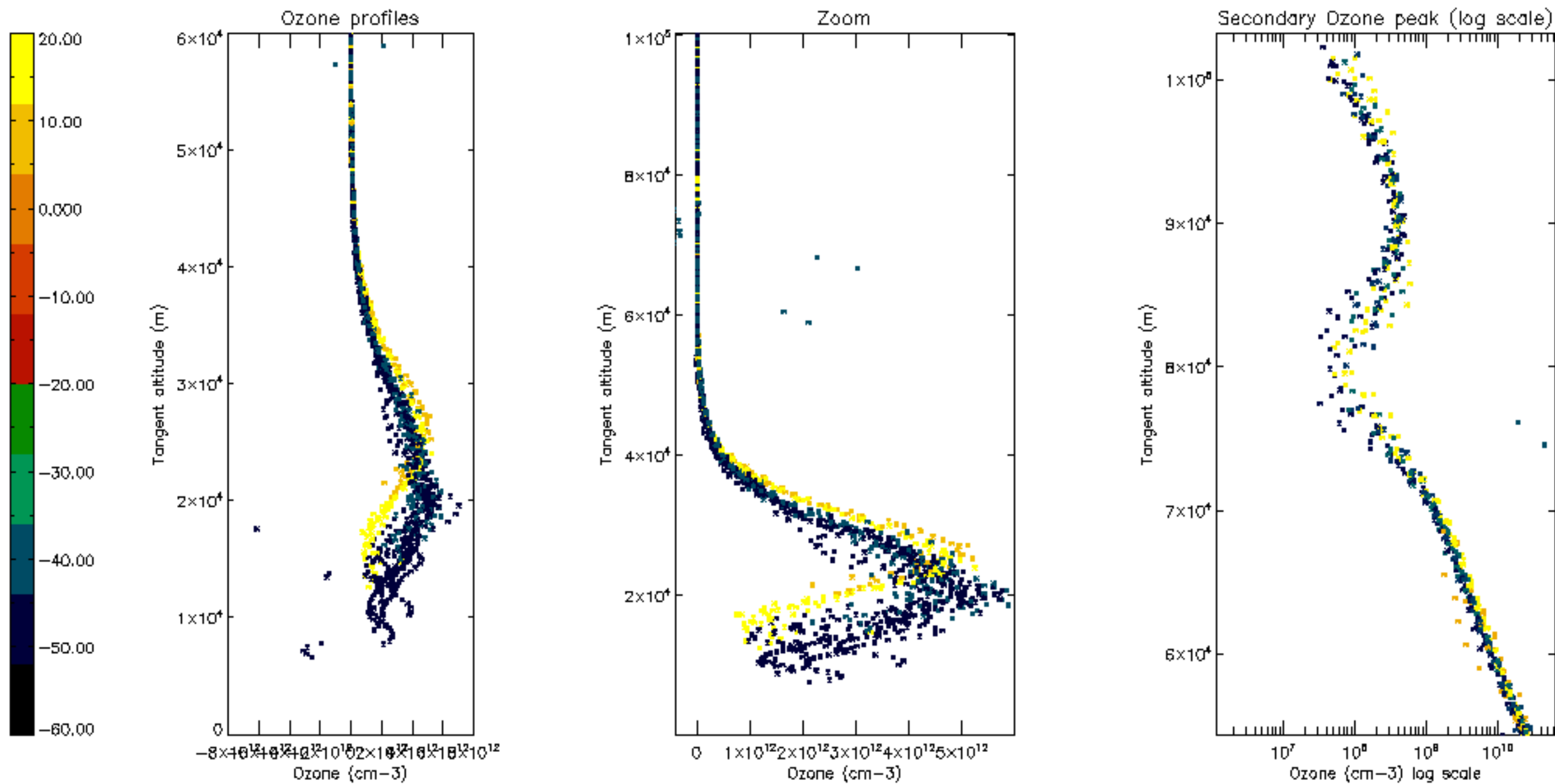
Percentage of star falling outside central band per profile

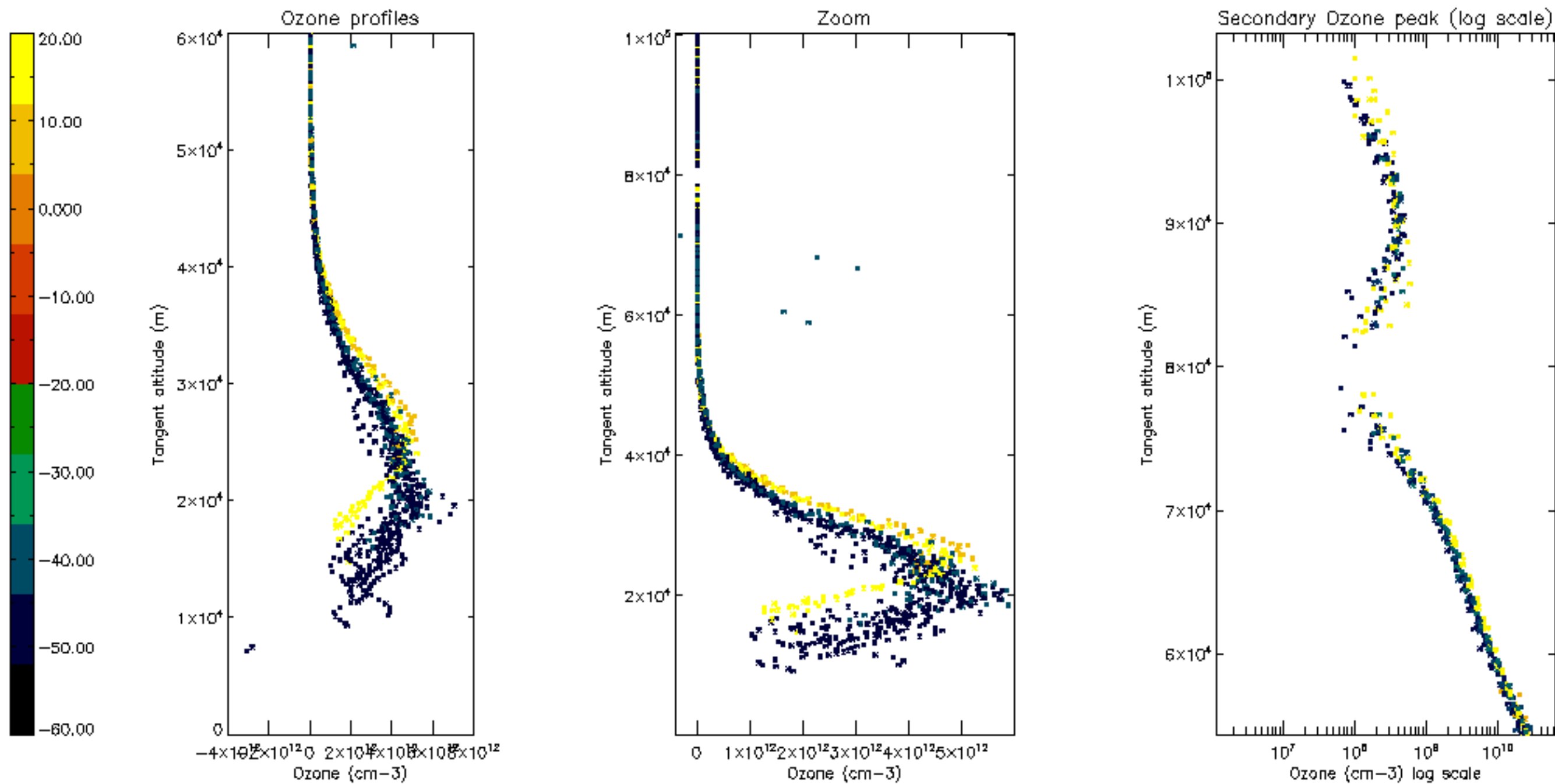


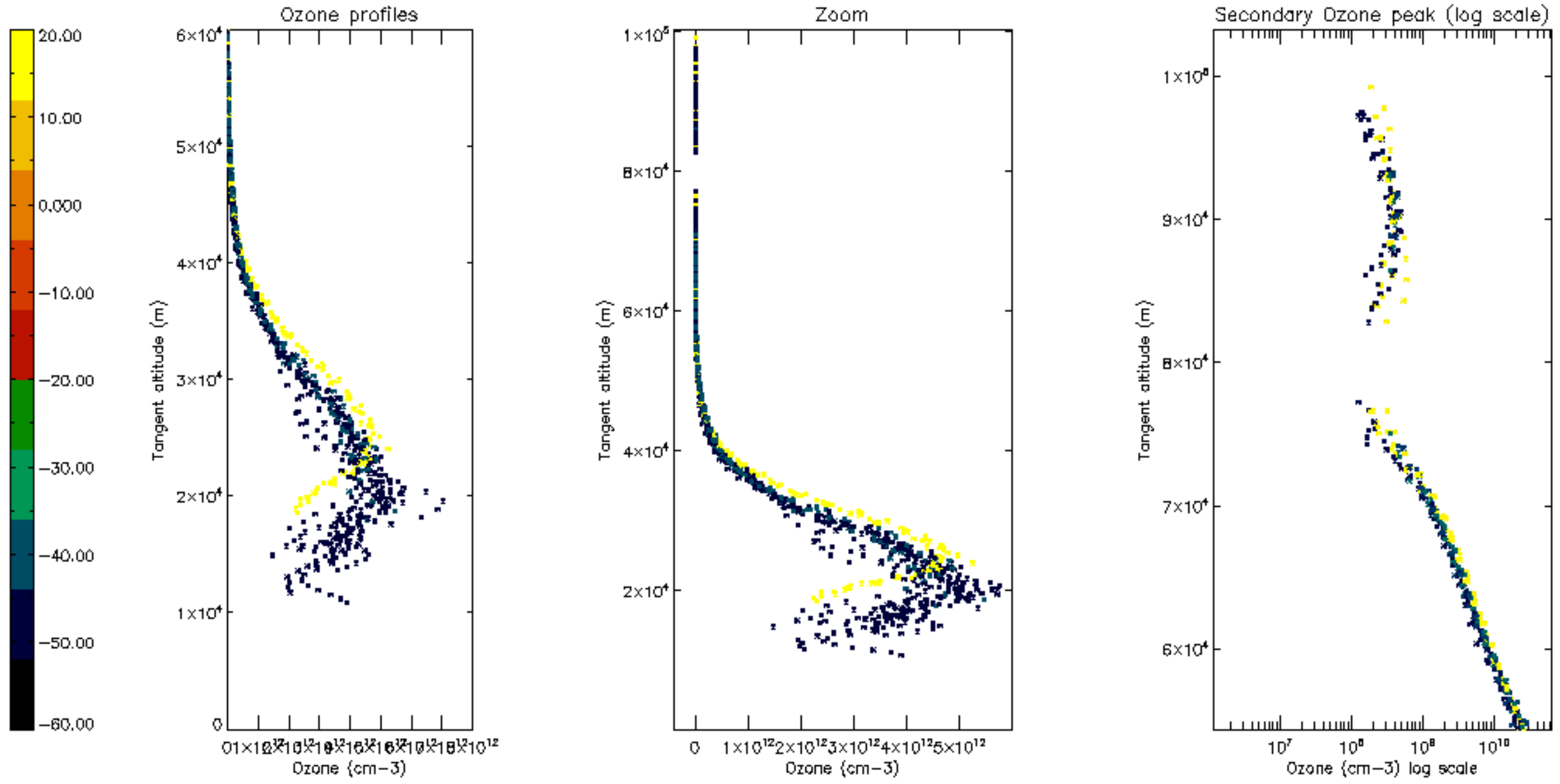
Percentage of saturation errors per profile

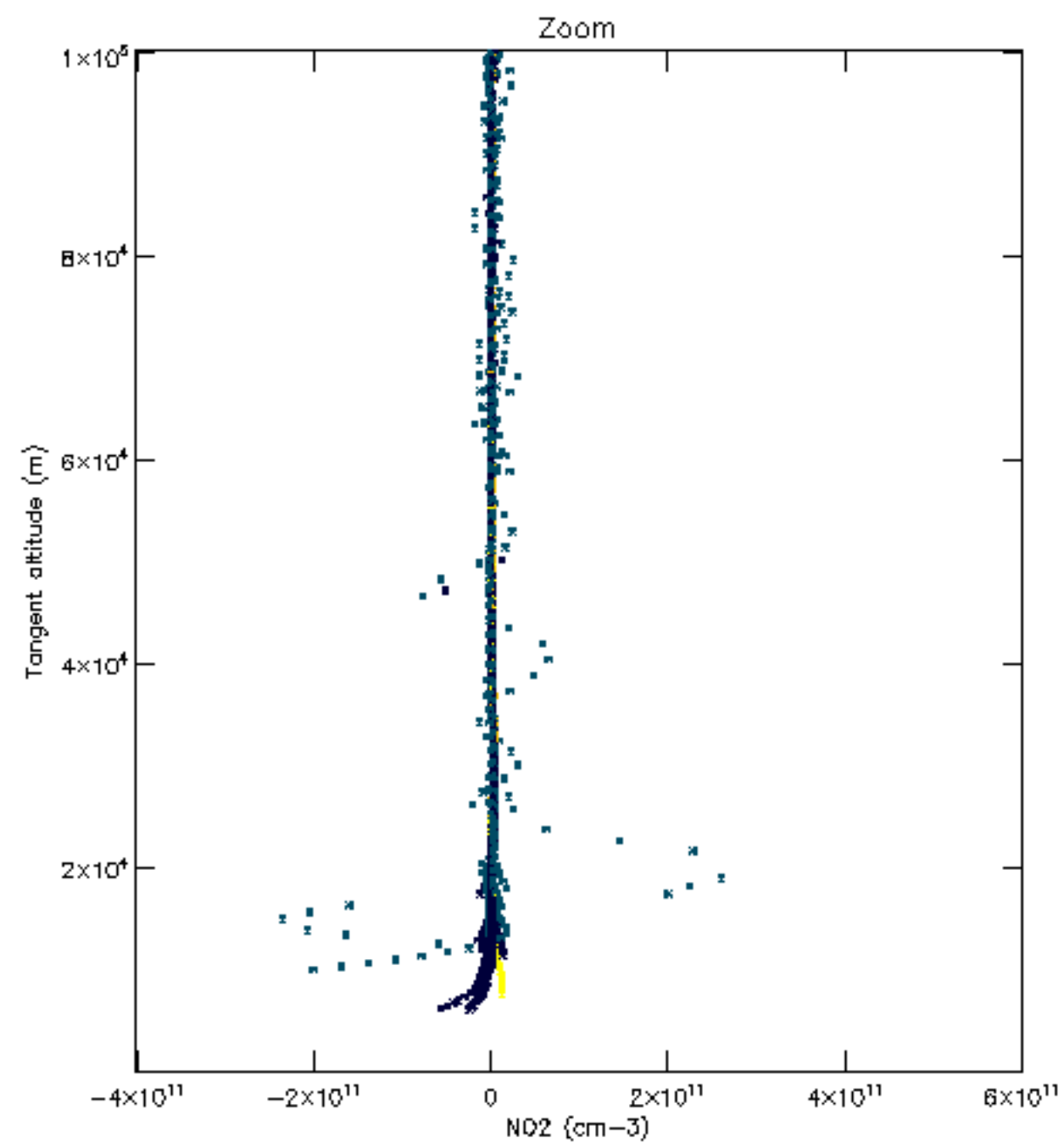
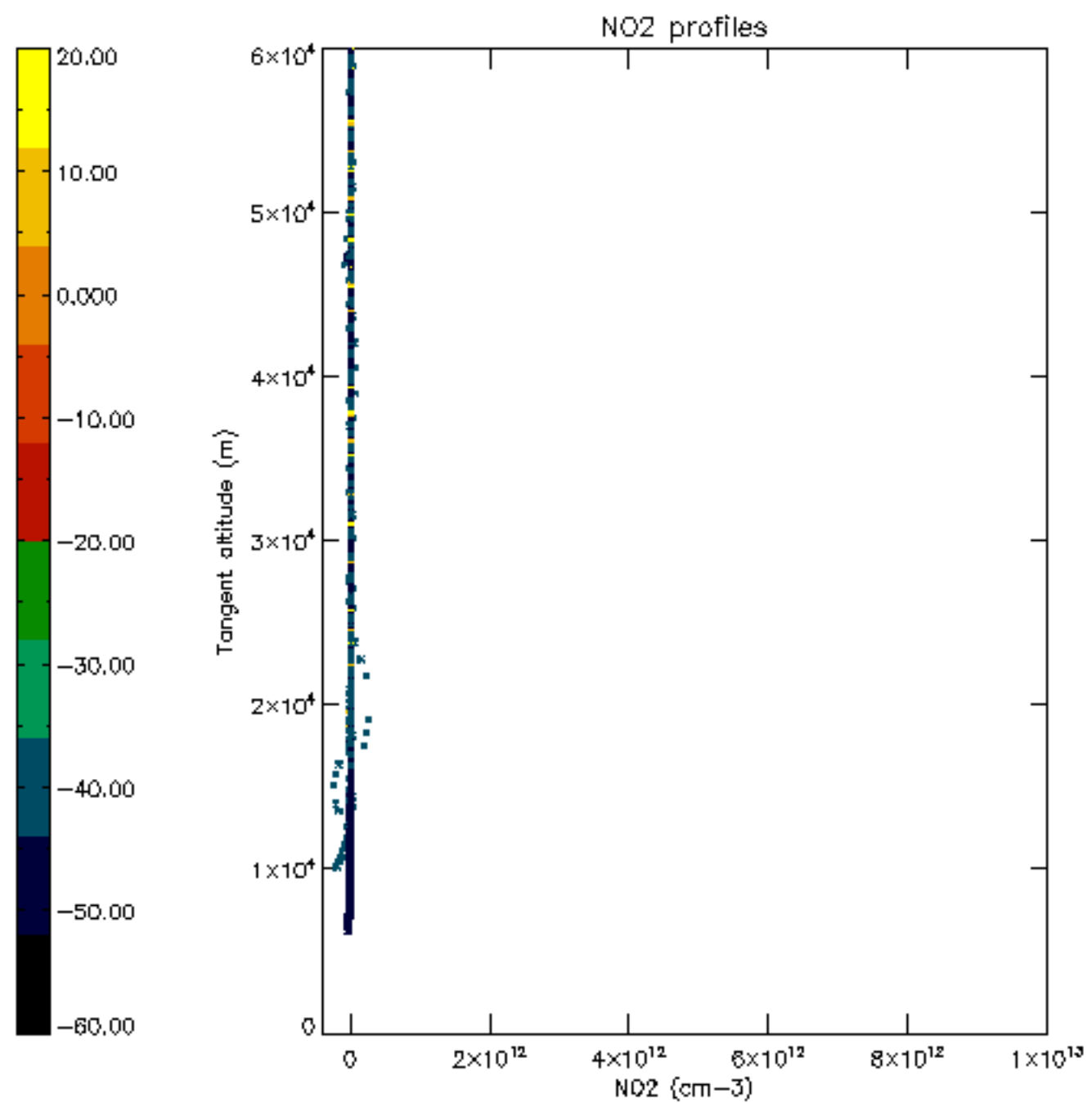


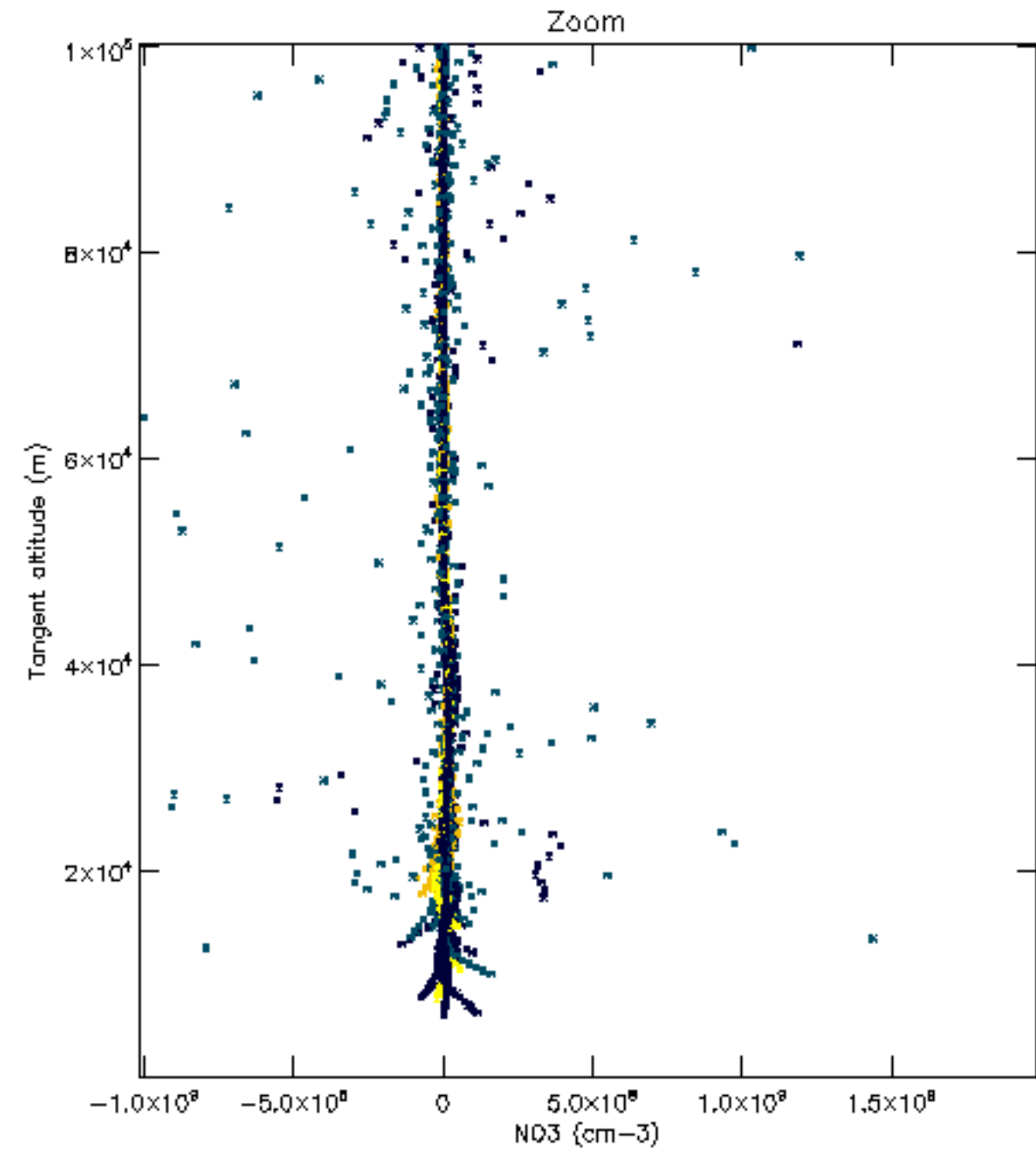
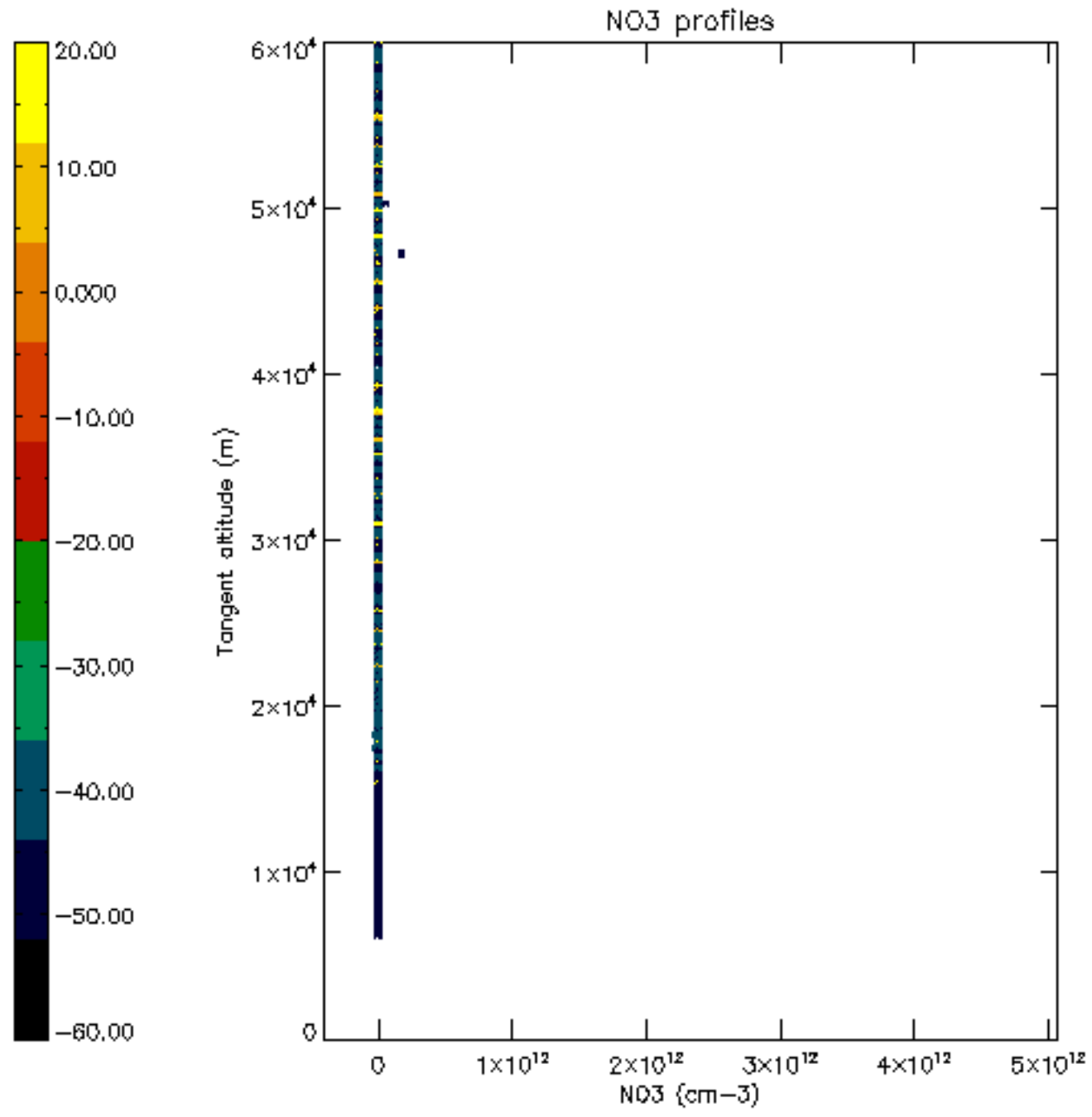


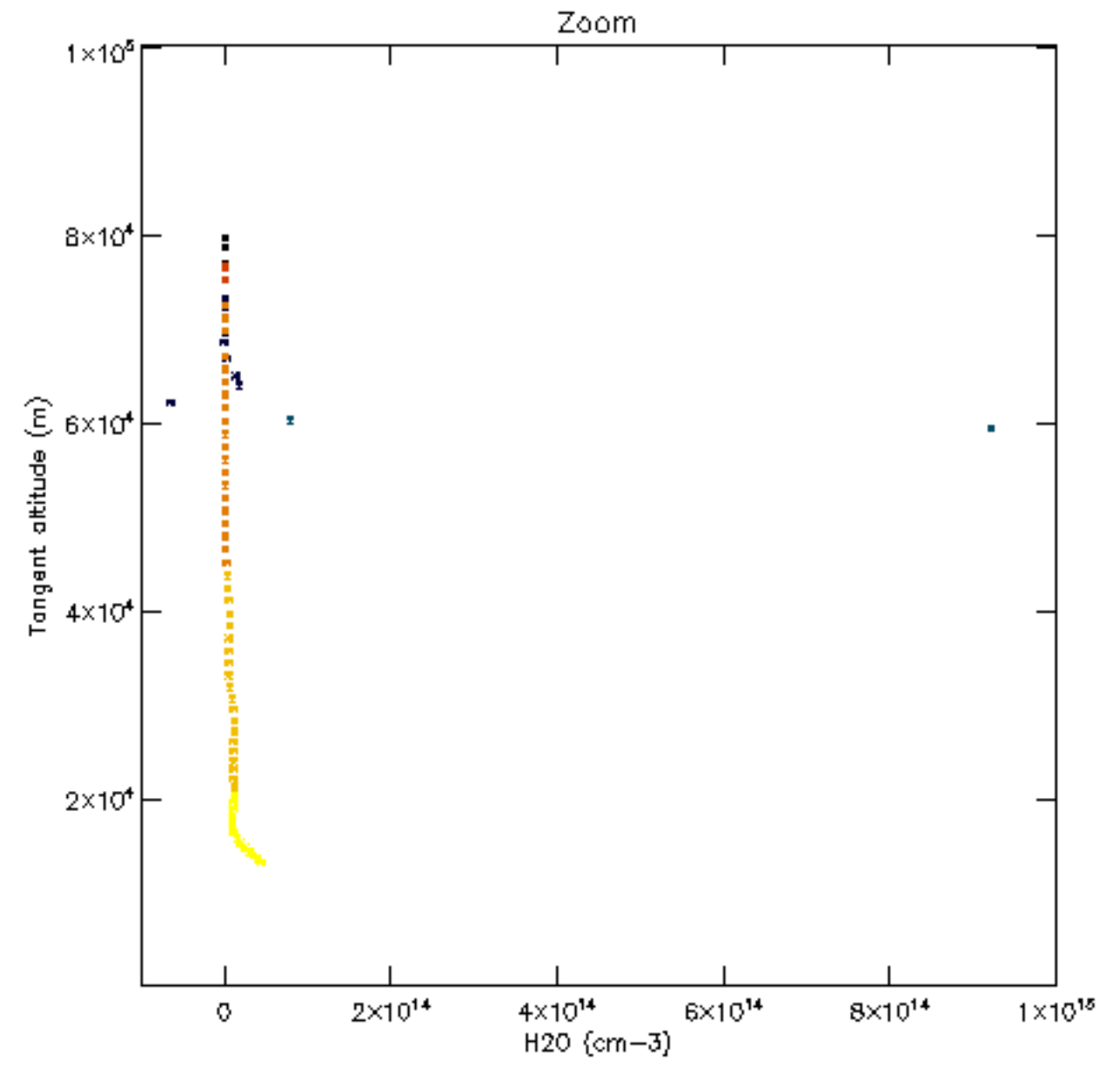
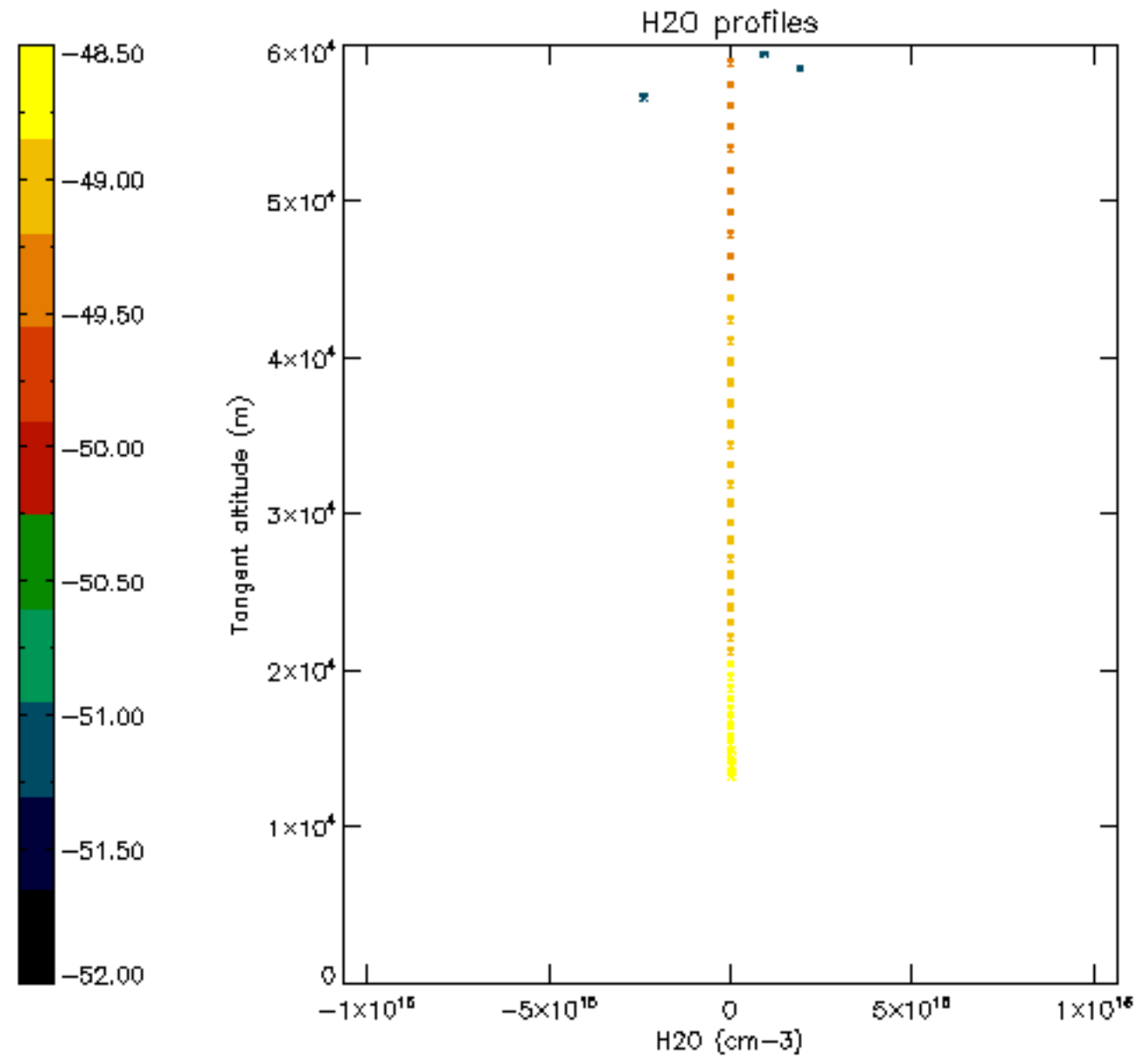


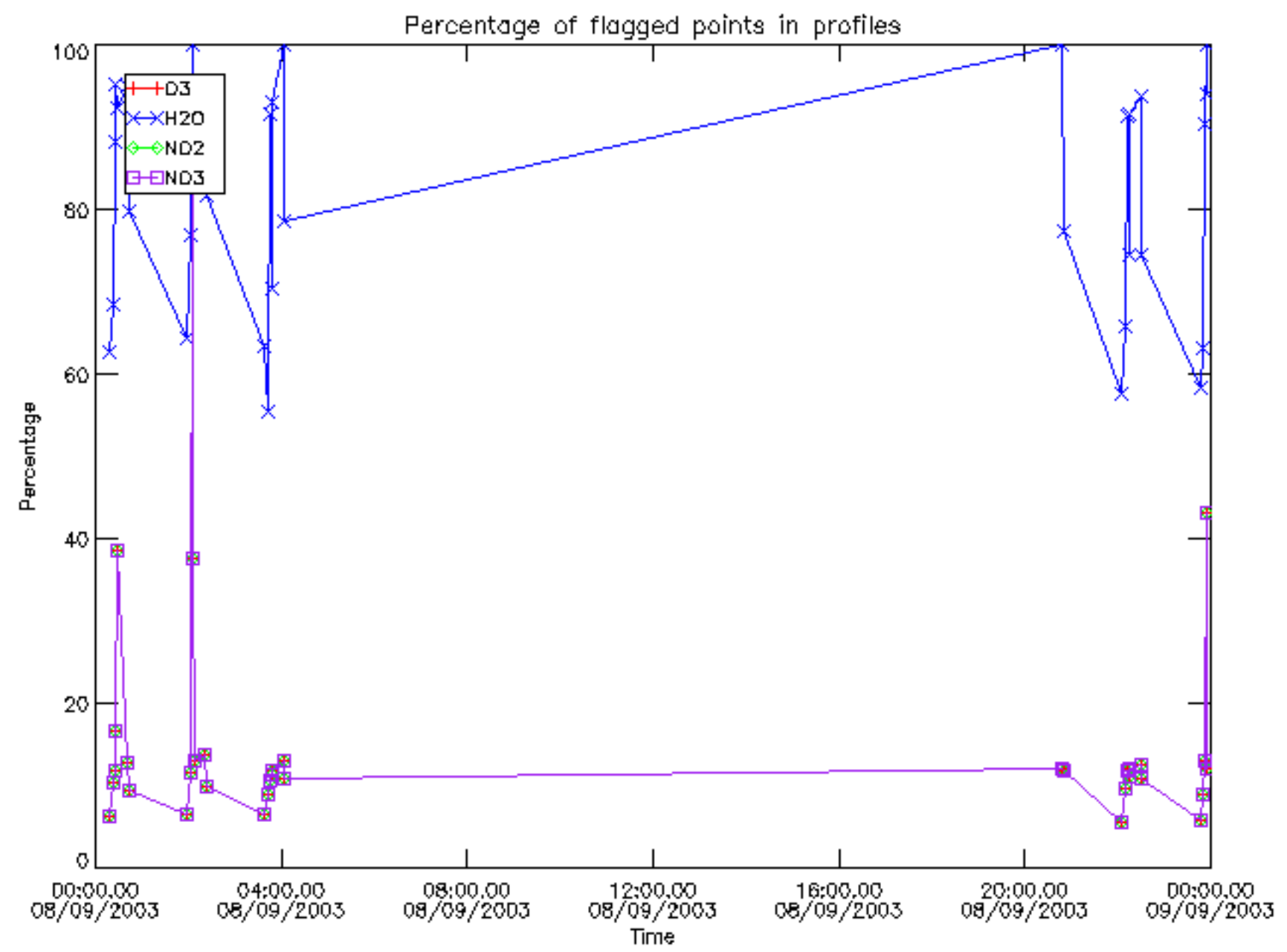




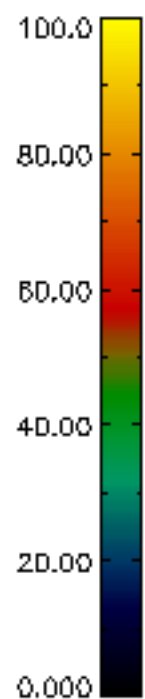
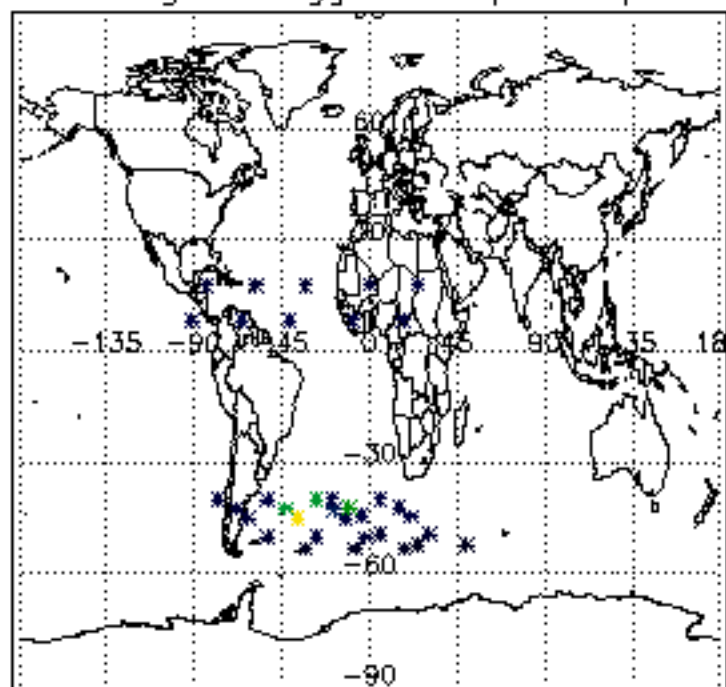




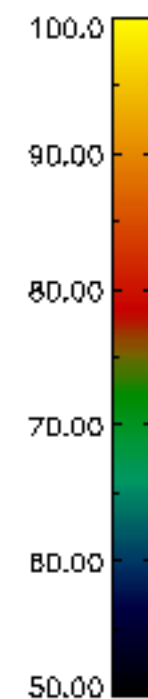
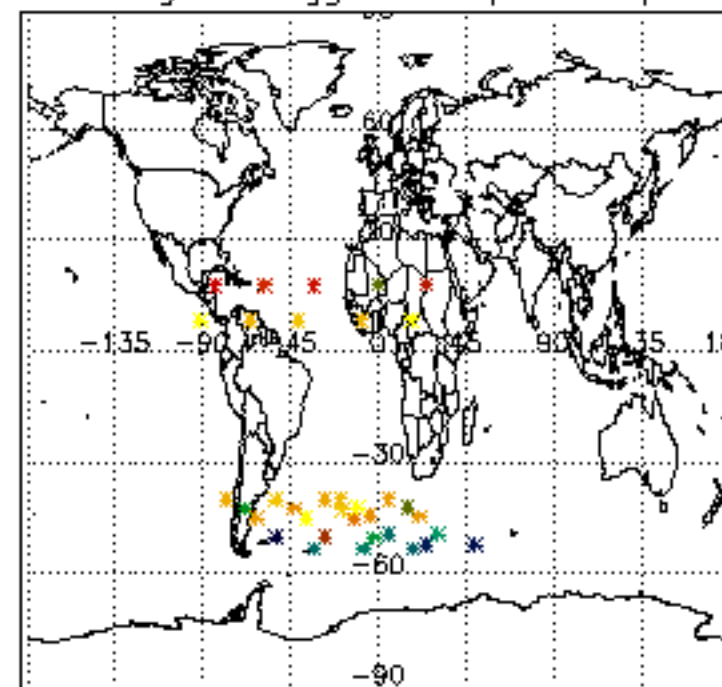




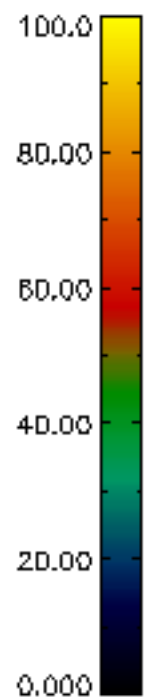
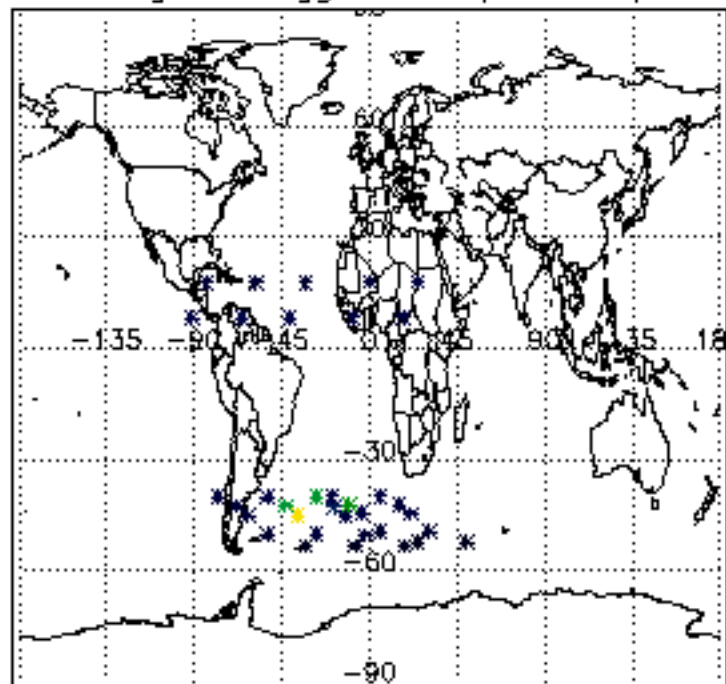
Percentage of flagged data per D3 profile



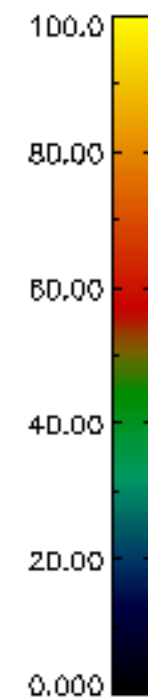
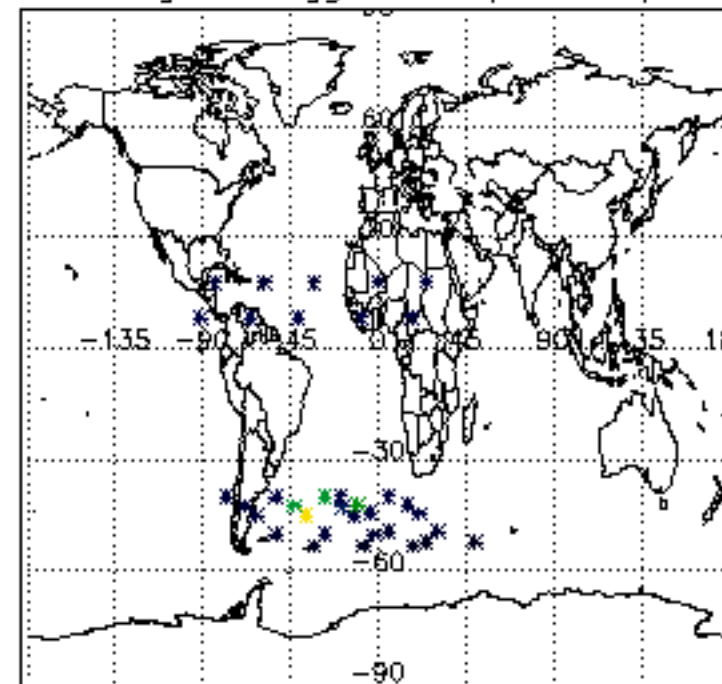
Percentage of flagged data per H2O profile

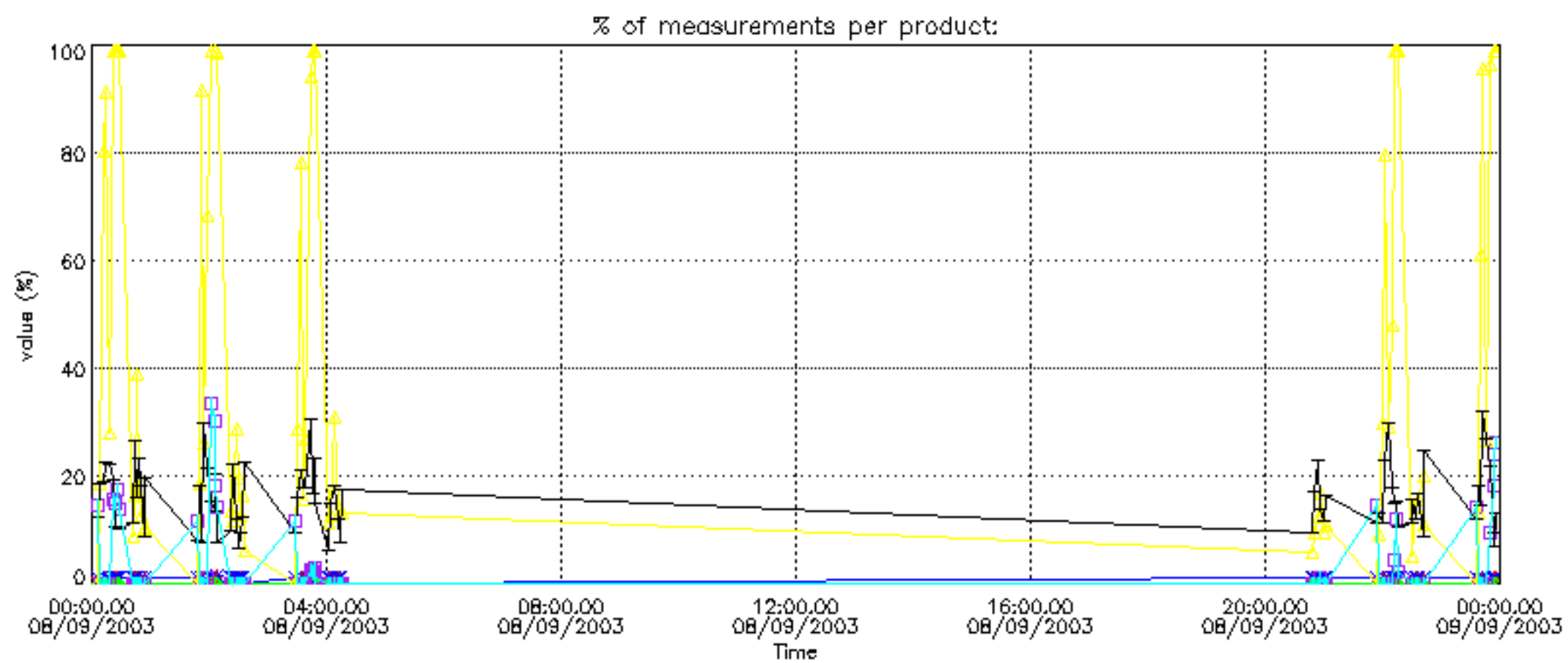
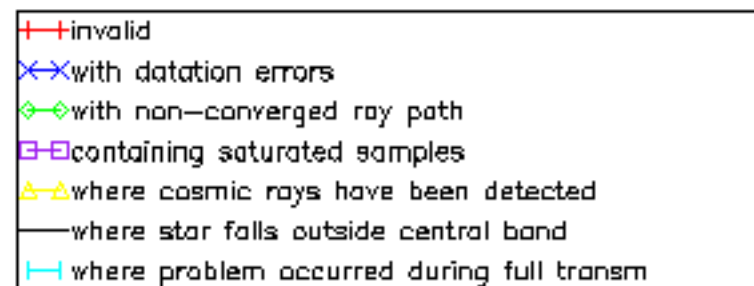


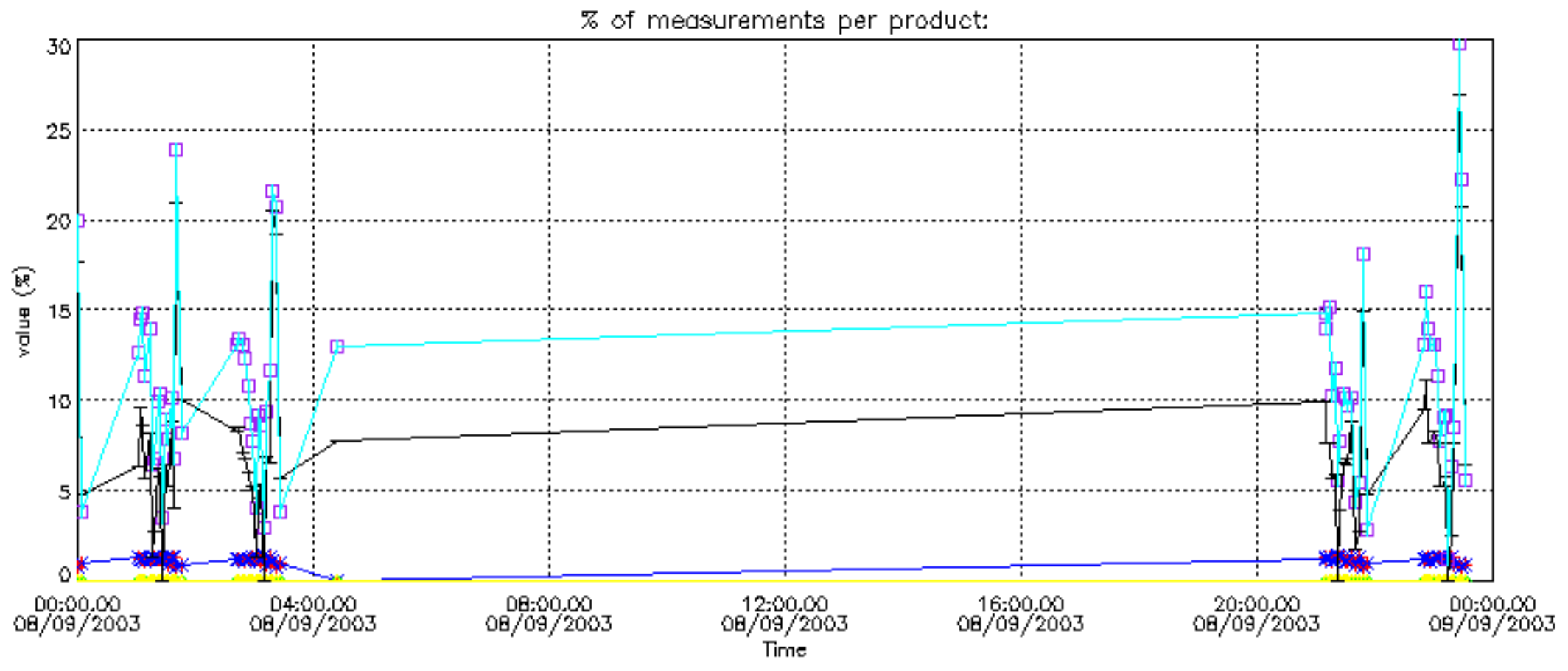
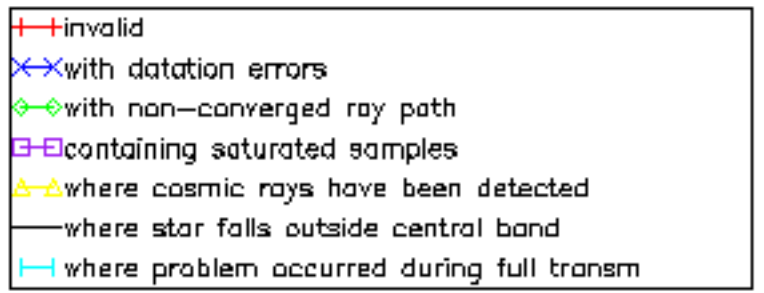
Percentage of flagged data per NO2 profile



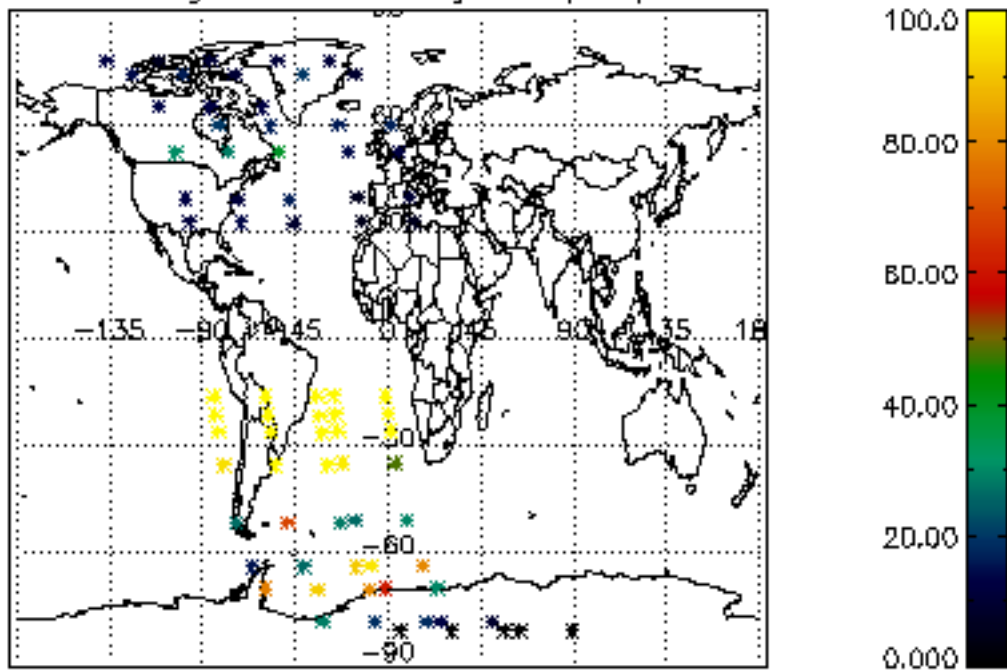
Percentage of flagged data per NO3 profile



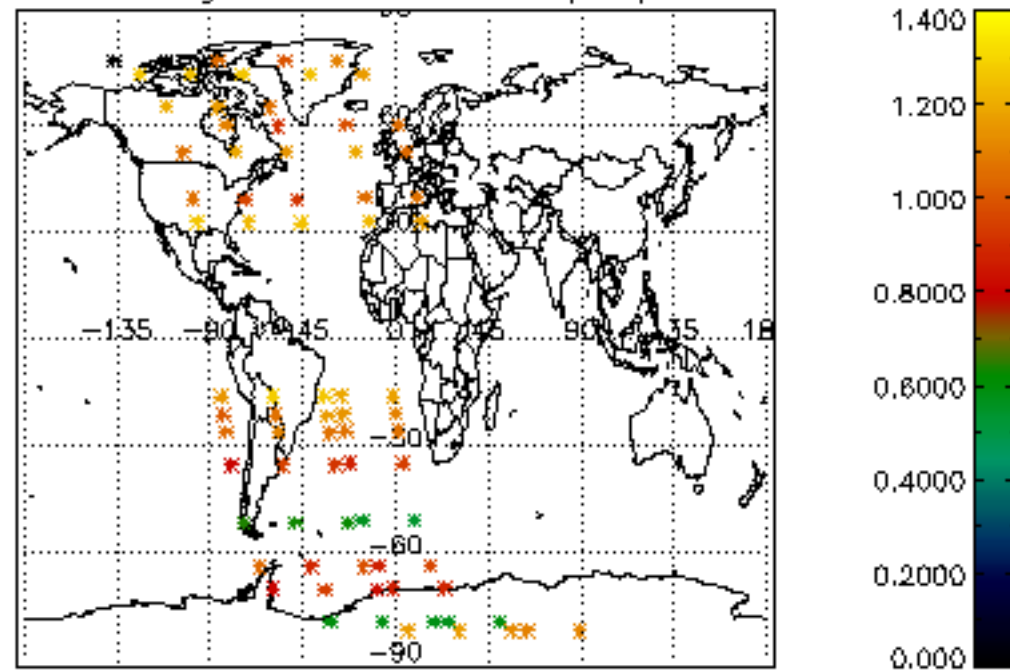




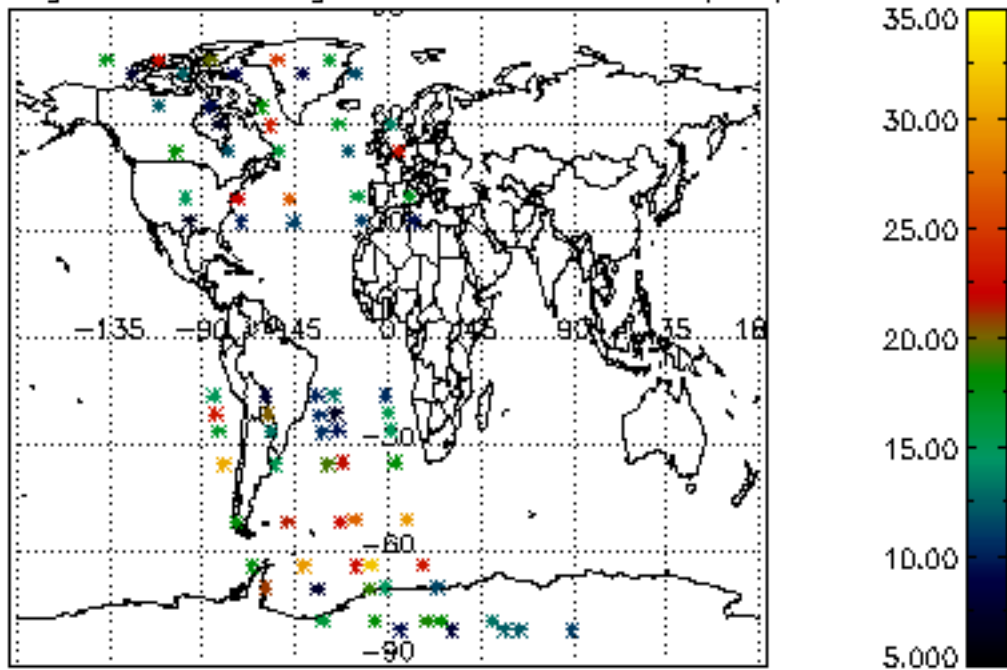
Percentage of cosmic ray hits per profile



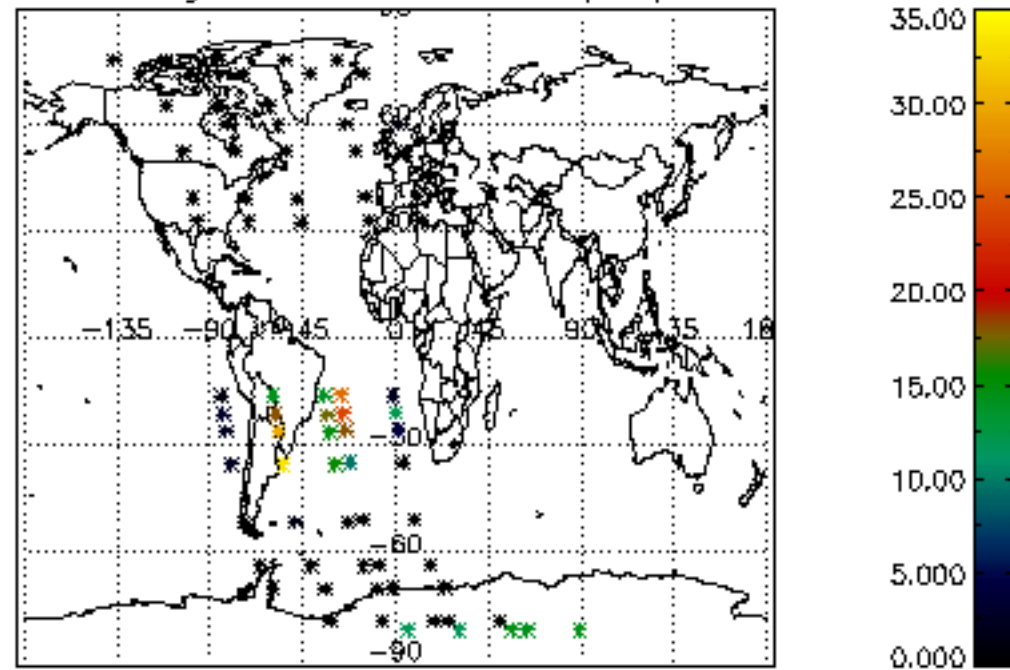
Percentage of datation errors per profile



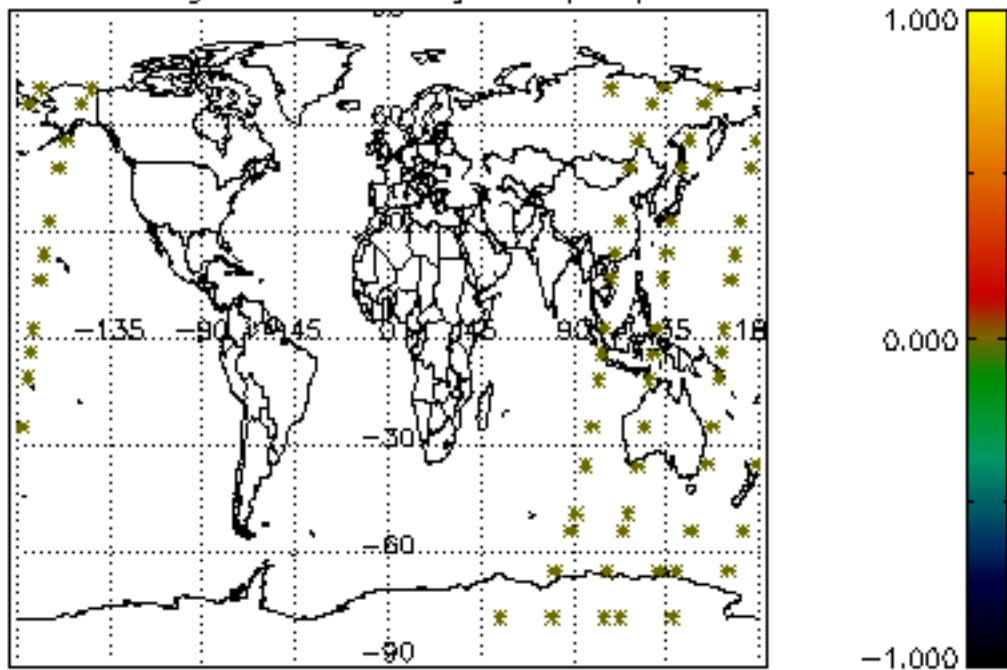
Percentage of star falling outside central band per profile



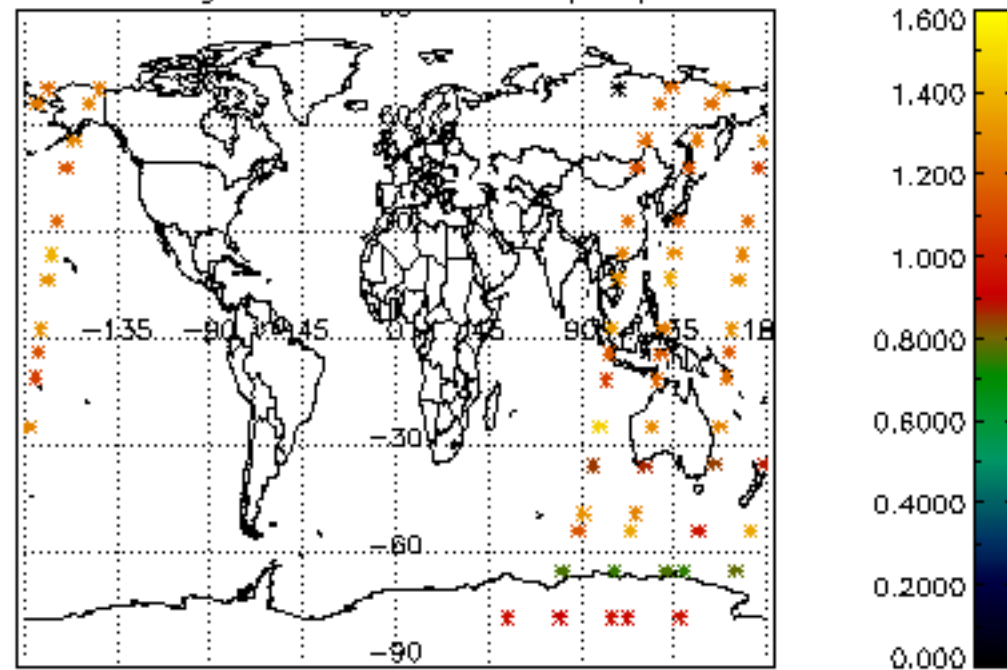
Percentage of saturation errors per profile



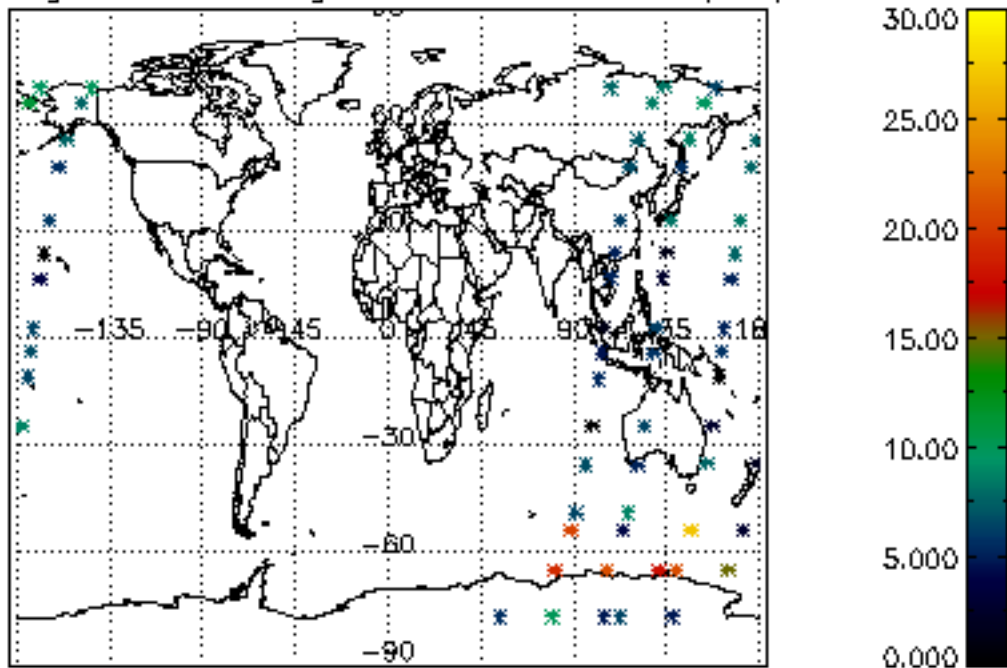
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

