

GOMOS Level 2 Daily Report

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

Item	Value
Time of report generation	22APR2013 12:50:56
Data source version	GOMOS/6.01
Start time of products	21-01-2007 (21JAN2007 00:00:00)
Stop time of products	22-01-2007 (22JAN2007 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	107
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__2PRFIN20070121_001048_000000352054_00474_25578_3218.N1	21-JAN-2007 00:10:48	Bright	35.000	130	23Bet Dra	2.7990	5800.0	70	25578	No
2	GOM_NL__2PRFIN20070121_001404_000000372054_00474_25578_3219.N1	21-JAN-2007 00:14:04	Bright	37.000	5	3Alp Lyr	0.033000	11000.	74	25578	No
3	GOM_NL__2PRFIN20070121_002202_000000332054_00474_25578_3220.N1	21-JAN-2007 00:22:02	Bright	33.000	59	55Alp Oph	2.0800	8900.0	66	25578	No
4	GOM_NL__2PRFIN20070121_002409_000000332054_00474_25578_3221.N1	21-JAN-2007 00:24:09	Bright	33.000	126	60Bet Oph	2.7700	4250.0	66	25578	No
5	GOM_NL__2PRFIN20070121_002935_000000402054_00474_25578_3222.N1	21-JAN-2007 00:29:35	Bright	39.500	98	13Zet Oph	2.5710	30000.	79	25578	No
6	GOM_NL__2PRFIN20070121_003404_000000482054_00474_25578_3223.N1	21-JAN-2007 00:34:04	Twilight	47.500	16	21Alp Sco	1.0200	3000.0	95	25578	No
7	GOM_NL__2PRFIN20070121_003537_000000452054_00474_25578_3224.N1	21-JAN-2007 00:35:37	Twilight	45.000	75	26Eps Sco	2.2910	4250.0	90	25578	No
8	GOM_NL__2PRFIN20070121_003931_000000392054_00474_25578_3225.N1	21-JAN-2007 00:39:31	Dark	39.000	131	Gam Lup	2.8000	26000.	78	25578	No
9	GOM_NL__2PRFIN20070121_004359_000000372054_00475_25579_3206.N1	21-JAN-2007 00:43:59	Dark	36.500	134	Bet TrA	2.8100	6600.0	73	25579	No
10	GOM_NL__2PRFIN20070121_155837_000000882054_00484_25588_3388.N1	21-JAN-2007 15:58:37	Dark	87.500	29	Bet Car	1.6720	10200.	175	25588	No
11	GOM_NL__2PRFIN20070121_160149_000000882054_00484_25588_3389.N1	21-JAN-2007 16:01:49	Dark	87.500	41	Eps Car	1.8600	4100.0	175	25588	No
12	GOM_NL__2PRFIN20070121_160509_000000962054_00484_25588_3390.N1	21-JAN-2007 16:05:09	Dark	96.000	34	Gam2Vel	1.7930	23000.	192	25588	No
13	GOM_NL__2PRFIN20070121_160715_000000942054_00484_25588_3391.N1	21-JAN-2007 16:07:15	Straylight	93.500	70	Zet Pup	2.2460	39000.	187	25588	No
14	GOM_NL__2PRFIN20070121_161120_000000942054_00484_25588_3392.N1	21-JAN-2007 16:11:20	Straylight	93.500	23	21Eps CMa	1.5020	26000.	187	25588	No
15	GOM_NL__2PRFIN20070121_161455_000000962054_00484_25588_3393.N1	21-JAN-2007 16:14:55	Straylight	96.000	1	9Alp CMa	-1.4400	11000.	192	25588	No
16	GOM_NL__2PRFIN20070121_162206_000000942054_00484_25588_3394.N1	21-JAN-2007 16:22:06	Tw_and_stray	93.500	14	58Alp Ori	0.87000	3000.0	187	25588	No
17	GOM_NL__2PRFIN20070121_162421_000000972054_00484_25588_3395.N1	21-JAN-2007 16:24:21	Bright	97.000	44	24Gam Gem	1.9280	11000.	194	25588	No
18	GOM_NL__2PRFIN20070121_162651_000000882054_00484_25588_3396.N1	21-JAN-2007 16:26:51	Bright	88.000	170	27Eps Gem	3.0000	9700.0	176	25588	No
19	GOM_NL__2PRFIN20070121_163019_000000842054_00484_25588_3397.N1	21-JAN-2007 16:30:19	Bright	84.000	107	37The Aur	2.6490	11000.	168	25588	No
20	GOM_NL__2PRFIN20070121_163228_000000852054_00484_25588_3398.N1	21-JAN-2007 16:32:28	Bright	84.500	42	34Bet Aur	1.9000	10200.	169	25588	No
21	GOM_NL__2PRFIN20070121_164459_000000872054_00484_25588_3399.N1	21-JAN-2007 16:44:59	Bright	87.000	49	1Alp UMi	1.9900	6300.0	174	25588	No
22	GOM_NL__2PRFIN20070121_165306_000000922054_00484_25588_3400.N1	21-JAN-2007 16:53:06	Bright	92.000	119	14Eta Dra	2.7270	4700.0	184	25588	No
23	GOM_NL__2PRFIN20070121_165556_000000872054_00484_25588_3401.N1	21-JAN-2007 16:55:56	Bright	86.500	130	23Bet Dra	2.7990	5800.0	173	25588	No
24	GOM_NL__2PRFIN20070121_170215_000000742054_00484_25588_3402.N1	21-JAN-2007 17:02:15	Tw_and_stray	74.000	133	40Zet Her	2.8070	6000.0	148	25588	No
25	GOM_NL__2PRFIN20070121_170713_000000852054_00484_25588_3403.N1	21-JAN-2007 17:07:13	Bright	84.500	59	55Alp Oph	2.0800	8900.0	169	25588	No
26	GOM_NL__2PRFIN20070121_170920_000000842054_00484_25588_3404.N1	21-JAN-2007 17:09:20	Bright	83.500	126	60Bet Oph	2.7700	4250.0	167	25588	No
27	GOM_NL__2PRFIN20070121_171446_000000942054_00484_25588_3405.N1	21-JAN-2007 17:14:46	Bright	94.000	98	13Zet Oph	2.5710	30000.	188	25588	No
28	GOM_NL__2PRFIN20070121_171916_000001062054_00484_25588_3406.N1	21-JAN-2007 17:19:16	Tw_and_stray	106.00	16	21Alp Sco	1.0200	3000.0	212	25588	No
29	GOM_NL__2PRFIN20070121_172443_000000942054_00484_25588_3407.N1	21-JAN-2007 17:24:43	Dark	94.000	131	Gam Lup	2.8000	26000.	188	25588	No
30	GOM_NL__2PRFIN20070121_172807_000000972054_00484_25588_3408.N1	21-JAN-2007 17:28:07	Dark	96.500	78	Alp Lup	2.3040	28000.	193	25588	No
31	GOM_NL__2PRFIN20070121_173914_000000882054_00485_25589_3404.N1	21-JAN-2007 17:39:14	Dark	88.000	29	Bet Car	1.6720	10200.	176	25589	No
32	GOM_NL__2PRFIN20070121_174225_000000922054_00485_25589_3405.N1	21-JAN-2007 17:42:25	Dark	91.500	41	Eps Car	1.8600	4100.0	183	25589	No
33	GOM_NL__2PRFIN20070121_174545_000000942054_00485_25589_3406.N1	21-JAN-2007 17:45:45	Dark	93.500	34	Gam2Vel	1.7930	23000.	187	25589	No
34	GOM_NL__2PRFIN20070121_174752_000000952054_00485_25589_3407.N1	21-JAN-2007 17:47:52	Straylight	94.500	70	Zet Pup	2.2460	39000.	189	25589	No
35	GOM_NL__2PRFIN20070121_175156_000000912054_00485_25589_3408.N1	21-JAN-2007 17:51:56	Straylight	90.500	23	21Eps CMa	1.5020	26000.	181	25589	No
36	GOM_NL__2PRFIN20070121_175531_000000982054_00485_25589_3409.N1	21-JAN-2007 17:55:31	Straylight	98.000	1	9Alp CMa	-1.4400	11000.	196	25589	No
37	GOM_NL__2PRFIN20070121_180242_000000952054_00485_25589_3410.N1	21-JAN-2007 18:02:42	Tw_and_stray	95.000	14	58Alp Ori	0.87000	3000.0	190	25589	No
38	GOM_NL__2PRFIN20070121_180457_000001032054_00485_25589_3411.N1	21-JAN-2007 18:04:57	Bright	103.00	44	24Gam Gem	1.9280	11000.	206	25589	No
39	GOM_NL__2PRFIN20070121_180727_000000872054_00485_25589_3412.N1	21-JAN-2007 18:07:27	Bright	87.000	170	27Eps Gem	3.0000	9700.0	174	25589	No
40	GOM_NL__2PRFIN20070121_181055_000000852054_00485_25589_3413.N1	21-JAN-2007 18:10:55	Bright	84.500	107	37The Aur	2.6490	11000.	169	25589	No
41	GOM_NL__2PRFIN20070121_181304_000000852054_00485_25589_3414.N1	21-JAN-2007 18:13:04	Bright	84.500	42	34Bet Aur	1.9000	10200.	169	25589	No
42	GOM_NL__2PRFIN20070121_182535_000000882054_00485_25589_3415.N1	21-JAN-2007 18:25:35	Bright	87.500	49	1Alp UMi	1.9900	6300.0	175	25589	No

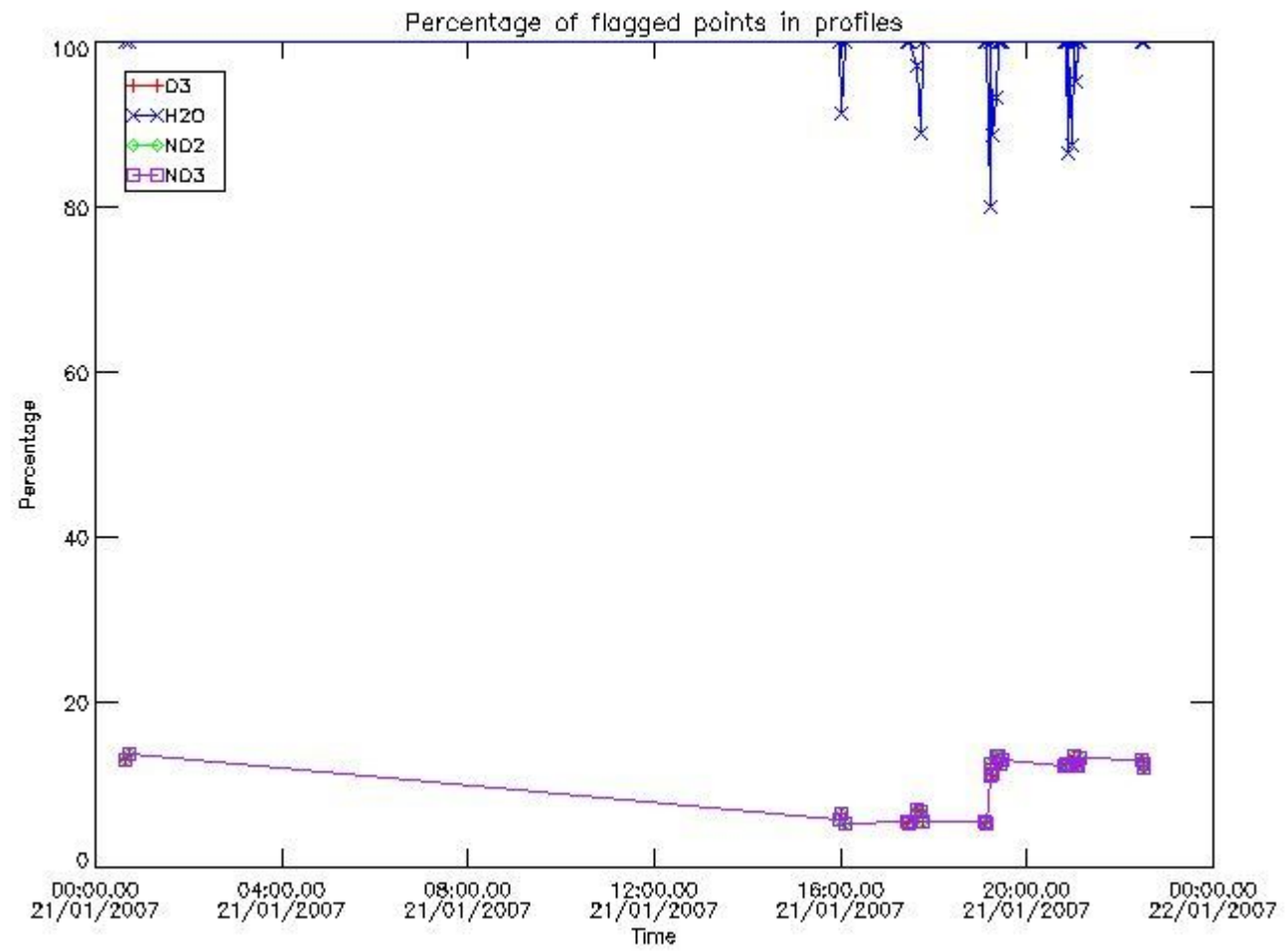
43	GOM_NL__2PRFIN20070121_183342_000000902054_00485_25589_3416.N1	21-JAN-2007 18:33:42	Bright	89.500	119	14Eta Dra	2.7270	4700.0	179	25589	No
44	GOM_NL__2PRFIN20070121_183632_000000902054_00485_25589_3417.N1	21-JAN-2007 18:36:32	Bright	89.500	130	23Bet Dra	2.7990	5800.0	179	25589	No
45	GOM_NL__2PRFIN20070121_184252_000000742054_00485_25589_3418.N1	21-JAN-2007 18:42:52	Tw_i_and_stray	74.000	133	40Zet Her	2.8070	6000.0	148	25589	No
46	GOM_NL__2PRFIN20070121_184749_000000842054_00485_25589_3419.N1	21-JAN-2007 18:47:49	Bright	84.000	59	55Alp Oph	2.0800	8900.0	168	25589	No
47	GOM_NL__2PRFIN20070121_184956_000000842054_00485_25589_3420.N1	21-JAN-2007 18:49:56	Bright	83.500	126	60Bet Oph	2.7700	4250.0	167	25589	No
48	GOM_NL__2PRFIN20070121_185522_000000932054_00485_25589_3421.N1	21-JAN-2007 18:55:22	Bright	92.500	98	13Zet Oph	2.5710	30000.	185	25589	No
49	GOM_NL__2PRFIN20070121_185952_000001022054_00485_25589_3422.N1	21-JAN-2007 18:59:52	Tw_i_and_stray	101.50	16	21Alp Sco	1.0200	3000.0	203	25589	No
50	GOM_NL__2PRFIN20070121_190519_000000942054_00485_25589_3423.N1	21-JAN-2007 19:05:19	Dark	94.000	131	Gam Lup	2.8000	26000.	188	25589	No
51	GOM_NL__2PRFIN20070121_190844_000000982054_00485_25589_3424.N1	21-JAN-2007 19:08:44	Dark	98.000	78	Alp Lup	2.3040	28000.	196	25589	No
52	GOM_NL__2PRFIN20070121_191154_000000462054_00486_25590_3420.N1	21-JAN-2007 19:11:54	Dark	45.500	4	Alp1Cen	-0.010000	5800.0	91	25590	No
53	GOM_NL__2PRFIN20070121_191313_000000412054_00486_25590_3421.N1	21-JAN-2007 19:13:13	Dark	41.000	77	Eps Cen	2.3030	28000.	82	25590	No
54	GOM_NL__2PRFIN20070121_191625_000000452054_00486_25590_3422.N1	21-JAN-2007 19:16:25	Dark	45.000	12	Alp1Cru	0.77500	30000.	90	25590	No
55	GOM_NL__2PRFIN20070121_192040_000000382054_00486_25590_3423.N1	21-JAN-2007 19:20:40	Dark	37.500	29	Bet Car	1.6720	10200.	75	25590	No
56	GOM_NL__2PRFIN20070121_192246_000000382054_00486_25590_3424.N1	21-JAN-2007 19:22:46	Dark	38.000	71	lot Car	2.2460	7700.0	76	25590	No
57	GOM_NL__2PRFIN20070121_192436_000000402054_00486_25590_3425.N1	21-JAN-2007 19:24:36	Dark	40.000	46	Del Vel	1.9540	10600.	80	25590	No
58	GOM_NL__2PRFIN20070121_192714_000000392054_00486_25590_3426.N1	21-JAN-2007 19:27:14	Dark	39.000	34	Gam2Vel	1.7930	23000.	78	25590	No
59	GOM_NL__2PRFIN20070121_192921_000000402054_00486_25590_3427.N1	21-JAN-2007 19:29:21	Straylight	39.500	70	Zet Pup	2.2460	39000.	79	25590	No
60	GOM_NL__2PRFIN20070121_193054_000000432054_00486_25590_3428.N1	21-JAN-2007 19:30:54	Straylight	43.000	117	Pi Pup	2.7060	3800.0	86	25590	No
61	GOM_NL__2PRFIN20070121_193324_000000442054_00486_25590_3429.N1	21-JAN-2007 19:33:24	Straylight	43.500	23	21Eps CMa	1.5020	26000.	87	25590	No
62	GOM_NL__2PRFIN20070121_193447_000000402054_00486_25590_3430.N1	21-JAN-2007 19:34:47	Straylight	40.000	179	24Omi2CMa	3.0320	24000.	80	25590	No
63	GOM_NL__2PRFIN20070121_193658_000000502054_00486_25590_3431.N1	21-JAN-2007 19:36:58	Straylight	50.000	1	9Alp CMa	-1.4400	11000.	100	25590	No
64	GOM_NL__2PRFIN20070121_194408_000000522054_00486_25590_3432.N1	21-JAN-2007 19:44:08	Tw_i_and_stray	51.500	14	58Alp Ori	0.87000	3000.0	103	25590	No
65	GOM_NL__2PRFIN20070121_194623_000000422054_00486_25590_3433.N1	21-JAN-2007 19:46:23	Bright	42.000	44	24Gam Gem	1.9280	11000.	84	25590	No
66	GOM_NL__2PRFIN20070121_194808_000000392054_00486_25590_3434.N1	21-JAN-2007 19:48:08	Bright	39.000	151	13Mu Gem	2.8900	3000.0	78	25590	No
67	GOM_NL__2PRFIN20070121_195220_000000362054_00486_25590_3435.N1	21-JAN-2007 19:52:20	Bright	35.500	107	37The Aur	2.6490	11000.	71	25590	No
68	GOM_NL__2PRFIN20070121_195430_000000362054_00486_25590_3436.N1	21-JAN-2007 19:54:30	Bright	35.500	42	34Bet Aur	1.9000	10200.	71	25590	No
69	GOM_NL__2PRFIN20070121_200702_000000362054_00486_25590_3437.N1	21-JAN-2007 20:07:02	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	25590	No
70	GOM_NL__2PRFIN20070121_201512_000000372054_00486_25590_3438.N1	21-JAN-2007 20:15:12	Bright	37.000	119	14Eta Dra	2.7270	4700.0	74	25590	No
71	GOM_NL__2PRFIN20070121_201800_000000532054_00486_25590_3439.N1	21-JAN-2007 20:18:00	Bright	52.500	130	23Bet Dra	2.7990	5800.0	105	25590	No
72	GOM_NL__2PRFIN20070121_202916_000000342054_00486_25590_3440.N1	21-JAN-2007 20:29:16	Bright	33.500	59	55Alp Oph	2.0800	8900.0	67	25590	No
73	GOM_NL__2PRFIN20070121_203123_000000332054_00486_25590_3441.N1	21-JAN-2007 20:31:23	Bright	33.000	126	60Bet Oph	2.7700	4250.0	66	25590	No
74	GOM_NL__2PRFIN20070121_203652_000000422054_00486_25590_3442.N1	21-JAN-2007 20:36:52	Bright	41.500	98	13Zet Oph	2.5710	30000.	83	25590	No
75	GOM_NL__2PRFIN20070121_204121_000000452054_00486_25590_3443.N1	21-JAN-2007 20:41:21	Twilight	44.500	16	21Alp Sco	1.0200	3000.0	89	25590	No
76	GOM_NL__2PRFIN20070121_204253_000000422054_00486_25590_3444.N1	21-JAN-2007 20:42:53	Twilight	41.500	75	26Eps Sco	2.2910	4250.0	83	25590	No
77	GOM_NL__2PRFIN20070121_204650_000000422054_00486_25590_3445.N1	21-JAN-2007 20:46:50	Dark	41.500	131	Gam Lup	2.8000	26000.	83	25590	No
78	GOM_NL__2PRFIN20070121_204846_000000422054_00486_25590_3446.N1	21-JAN-2007 20:48:46	Dark	41.500	109	Bet Lup	2.6770	26000.	83	25590	No
79	GOM_NL__2PRFIN20070121_205016_000000412054_00486_25590_3447.N1	21-JAN-2007 20:50:16	Dark	41.000	78	Alp Lup	2.3040	28000.	82	25590	No
80	GOM_NL__2PRFIN20070121_205230_000000412054_00487_25591_3433.N1	21-JAN-2007 20:52:30	Dark	41.000	4	Alp1Cen	-0.010000	5800.0	82	25591	No
81	GOM_NL__2PRFIN20070121_205349_000000412054_00487_25591_3434.N1	21-JAN-2007 20:53:49	Dark	40.500	77	Eps Cen	2.3030	28000.	81	25591	No
82	GOM_NL__2PRFIN20070121_205701_000000412054_00487_25591_3435.N1	21-JAN-2007 20:57:01	Dark	40.500	12	Alp1Cru	0.77500	30000.	81	25591	No
83	GOM_NL__2PRFIN20070121_210116_000000382054_00487_25591_3436.N1	21-JAN-2007 21:01:16	Dark	37.500	29	Bet Car	1.6720	10200.	75	25591	No
84	GOM_NL__2PRFIN20070121_210322_000000422054_00487_25591_3437.N1	21-JAN-2007 21:03:22	Dark	41.500	71	lot Car	2.2460	7700.0	83	25591	No
85	GOM_NL__2PRFIN20070121_210512_000000422054_00487_25591_3438.N1	21-JAN-2007 21:05:12	Dark	41.500	46	Del Vel	1.9540	10600.	83	25591	No
86	GOM_NL__2PRFIN20070121_210750_000000432054_00487_25591_3439.N1	21-JAN-2007 21:07:50	Dark	42.500	34	Gam2Vel	1.7930	23000.	85	25591	No
87	GOM_NL__2PRFIN20070121_210958_000000412054_00487_25591_3440.N1	21-JAN-2007 21:09:58	Straylight	40.500	70	Zet Pup	2.2460	39000.	81	25591	No
88	GOM_NL__2PRFIN20070121_211130_000000452054_00487_25591_3441.N1	21-JAN-2007 21:11:30	Straylight	45.000	117	Pi Pup	2.7060	3800.0	90	25591	No
89	GOM_NL__2PRFIN20070121_211400_000000422054_00487_25591_3442.N1	21-JAN-2007 21:14:00	Straylight	42.000	23	21Eps CMa	1.5020	26000.	84	25591	No
90	GOM_NL__2PRFIN20070121_211523_000000392054_00487_25591_3443.N1	21-JAN-2007 21:15:23	Straylight	39.000	179	24Omi2CMa	3.0320	24000.	78	25591	No
91	GOM_NL__2PRFIN20070121_211734_000000522054_00487_25591_3444.N1	21-JAN-2007 21:17:34	Straylight	51.500	1	9Alp CMa	-1.4400	11000.	103	25591	No
92	GOM_NL__2PRFIN20070121_212444_000000472054_00487_25591_3445.N1	21-JAN-2007 21:24:44	Tw_i_and_stray	47.000	14	58Alp Ori	0.87000	3000.0	94	25591	No
93	GOM_NL__2PRFIN20070121_212659_000000502054_00487_25591_3446.N1	21-JAN-2007 21:26:59	Bright	50.000	44	24Gam Gem	1.9280	11000.	100	25591	No
94	GOM_NL__2PRFIN20070121_212844_000000392054_00487_25591_3447.N1	21-JAN-2007 21:28:44	Bright	39.000	151	13Mu Gem	2.8900	3000.0	78	25591	No
95	GOM_NL__2PRFIN20070121_213256_000000352054_00487_25591_3448.N1	21-JAN-2007 21:32:56	Bright	35.000	107	37The Aur	2.6490	11000.	70	25591	No
96	GOM_NL__2PRFIN20070121_213506_000000362054_00487_25591_3449.N1	21-JAN-2007 21:35:06	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	25591	No
97	GOM_NL__2PRFIN20070121_214738_000000352054_00487_25591_3450.N1	21-JAN-2007 21:47:38	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	25591	No
98	GOM_NL__2PRFIN20070121_215548_000000402054_00487_25591_3451.N1	21-JAN-2007 21:55:48	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	25591	No
99	GOM_NL__2PRFIN20070121_215836_000000352054_00487_25591_3452.N1	21-JAN-2007 21:58:36	Bright	35.000	130	23Bet Dra	2.7990	5800.0	70	25591	No
100	GOM_NL__2PRFIN20070121_220952_000000342054_00487_25591_3453.N1	21-JAN-2007 22:09:52	Bright	33.500	59	55Alp Oph	2.0800	8900.0	67	25591	No
101	GOM_NL__2PRFIN20070121_221159_000000332054_00487_25591_3454.N1	21-JAN-2007 22:11:59	Bright	33.000	126	60Bet Oph	2.7700	4250.0	66	25591	No

102	GOM_NL__2PRFIN20070121_221728_000000422054_00487_25591_3455.N1	21-JAN-2007 22:17:28	Bright	41.500	98	13Zet Oph	2.5710	30000.	83	25591	No
103	GOM_NL__2PRFIN20070121_222158_000000512054_00487_25591_3456.N1	21-JAN-2007 22:21:58	Twilight	51.000	16	21Alp Sco	1.0200	3000.0	102	25591	No
104	GOM_NL__2PRFIN20070121_222329_000000452054_00487_25591_3457.N1	21-JAN-2007 22:23:29	Twilight	44.500	75	26Eps Sco	2.2910	4250.0	89	25591	No
105	GOM_NL__2PRFIN20070121_222726_000000392054_00487_25591_3458.N1	21-JAN-2007 22:27:26	Dark	39.000	131	Gam Lup	2.8000	26000.	78	25591	No
106	GOM_NL__2PRFIN20070121_222922_000000412054_00487_25591_3459.N1	21-JAN-2007 22:29:22	Dark	41.000	109	Bet Lup	2.6770	26000.	82	25591	No
107	GOM_NL__2PRFIN20070121_223052_000000422054_00487_25591_3460.N1	21-JAN-2007 22:30:52	Dark	42.000	78	Alp Lup	2.3040	28000.	84	25591	No

3. Quality information per product

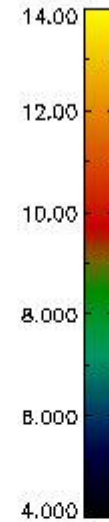
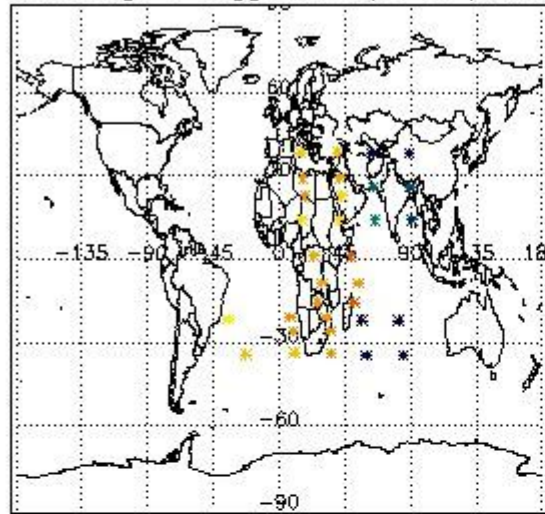
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

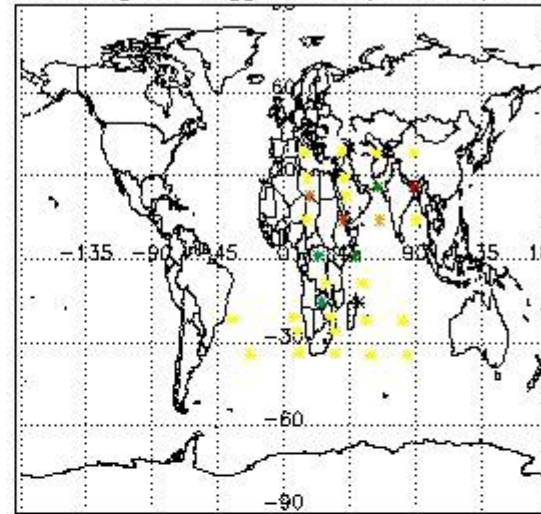


3.2 Plot quality information per product (world map)

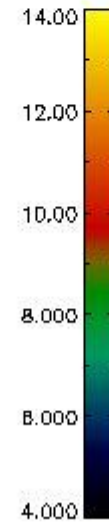
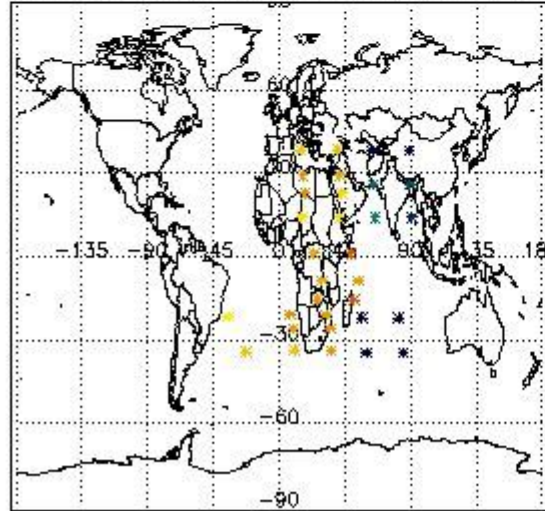
Percentage of flagged data per O3 profile



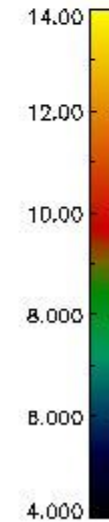
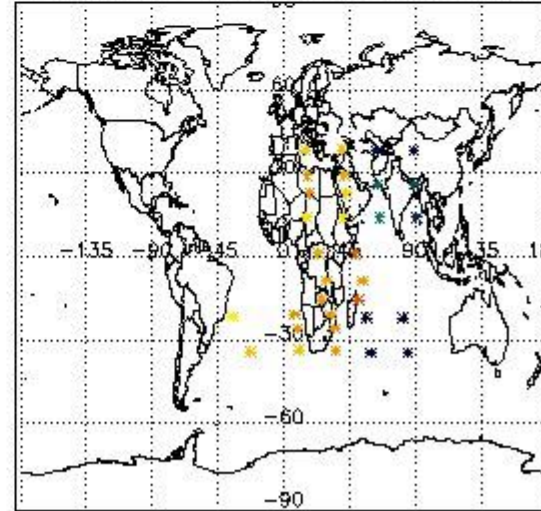
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

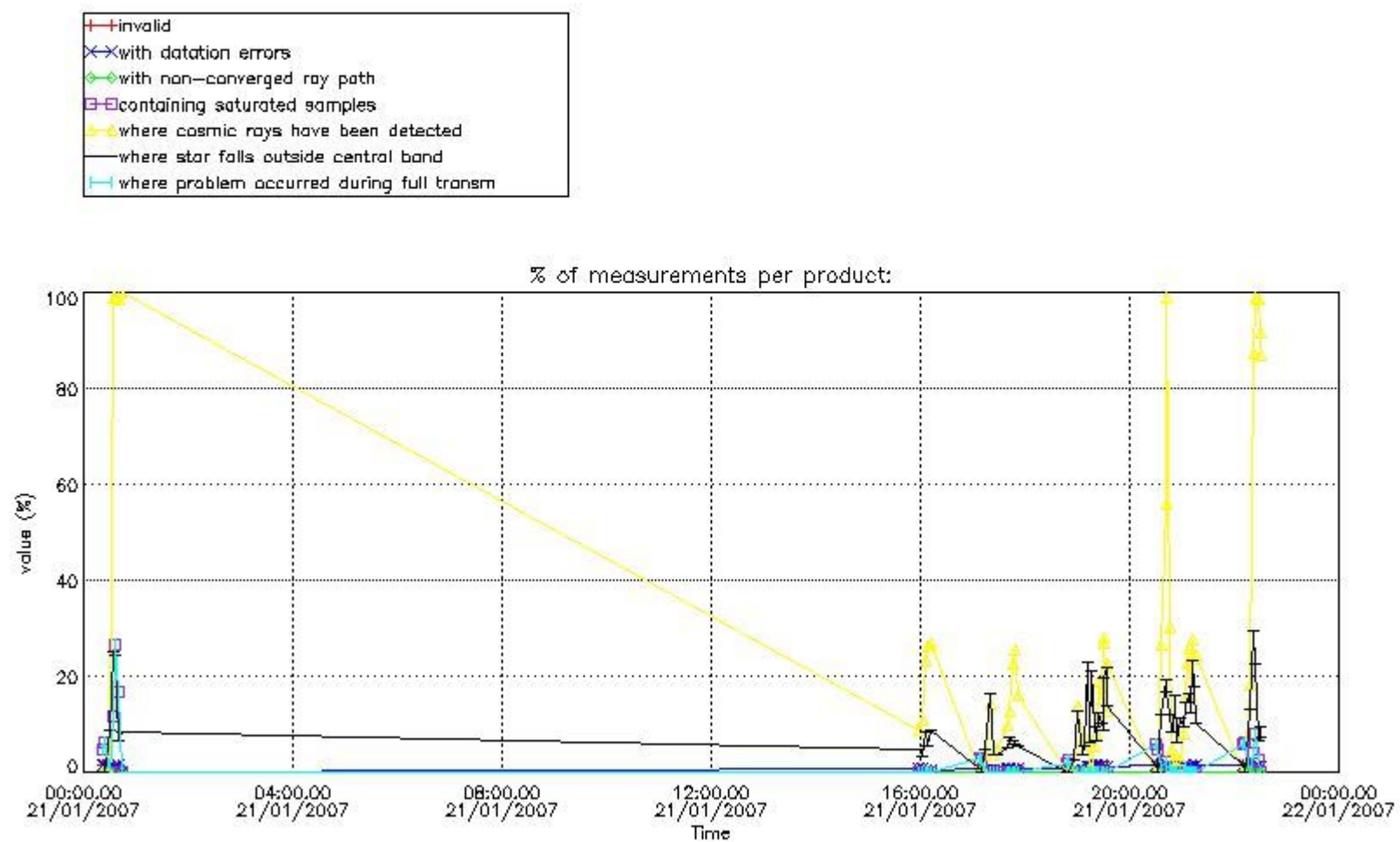


4. Level 1 quality information per product

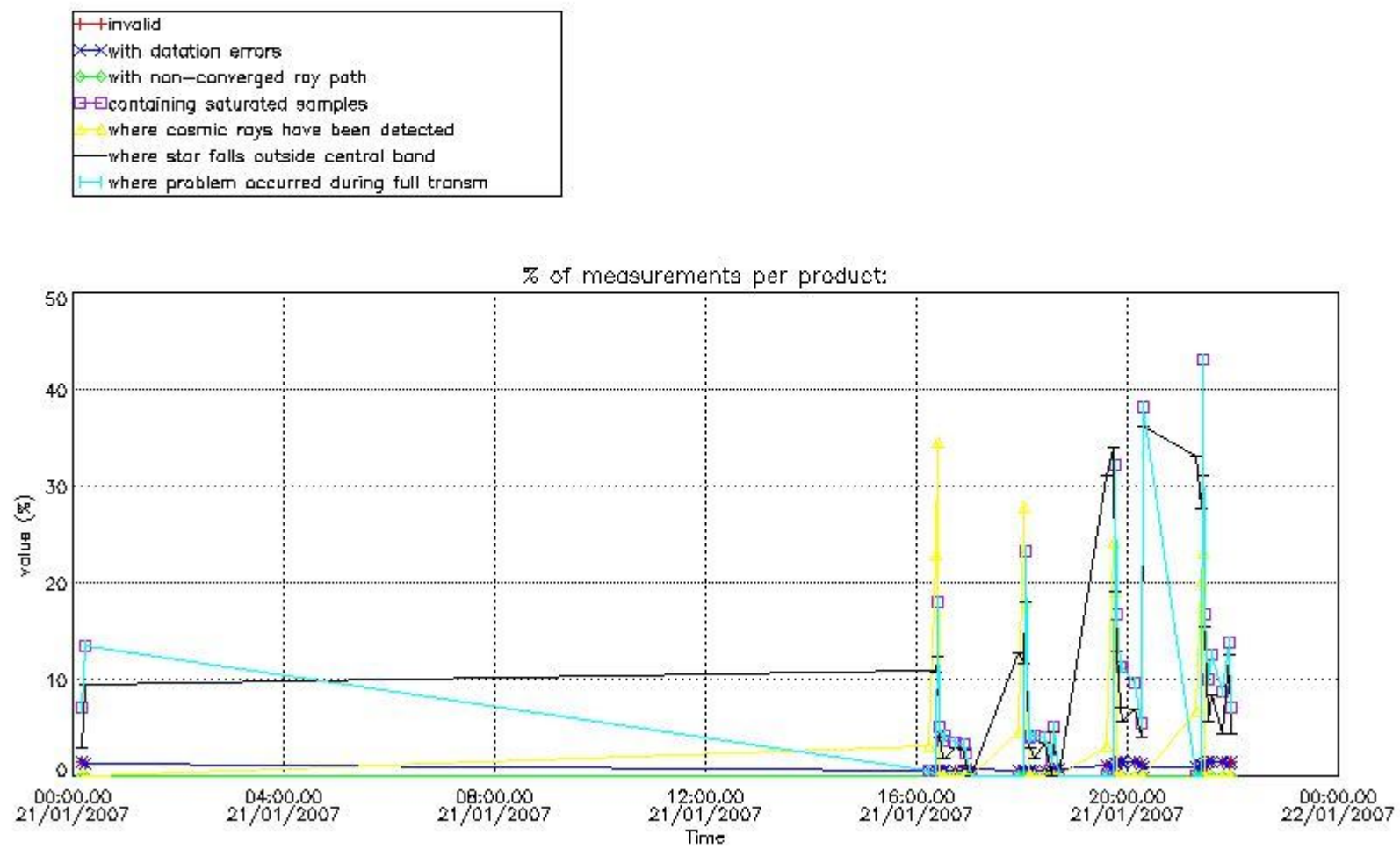
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



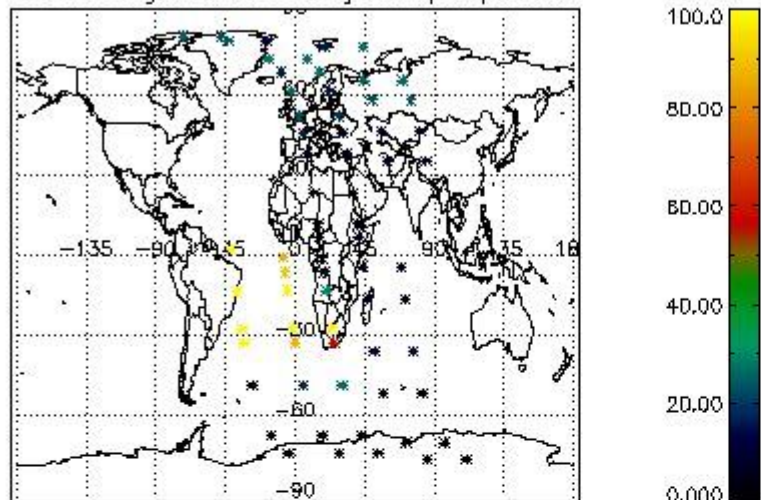
4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



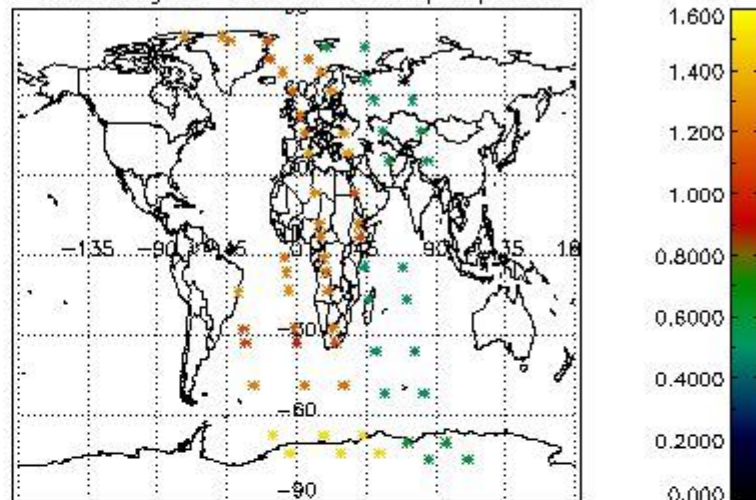
4.2 Plot quality information per product coming from level 1b processing (world map)

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

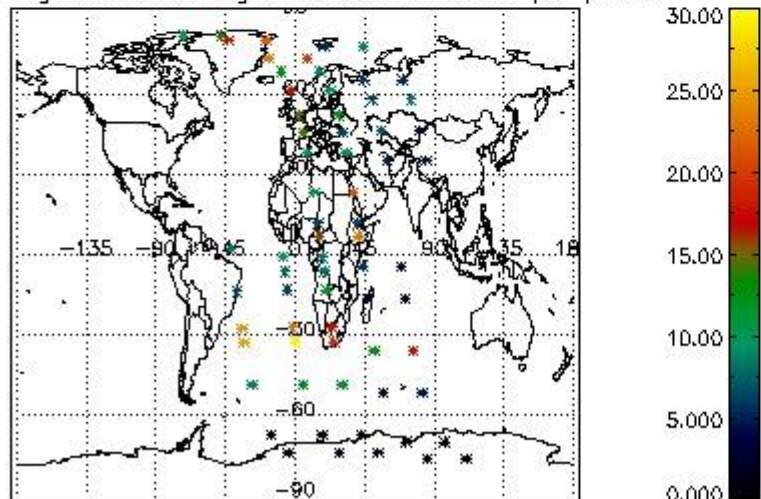
Percentage of cosmic ray hits per profile



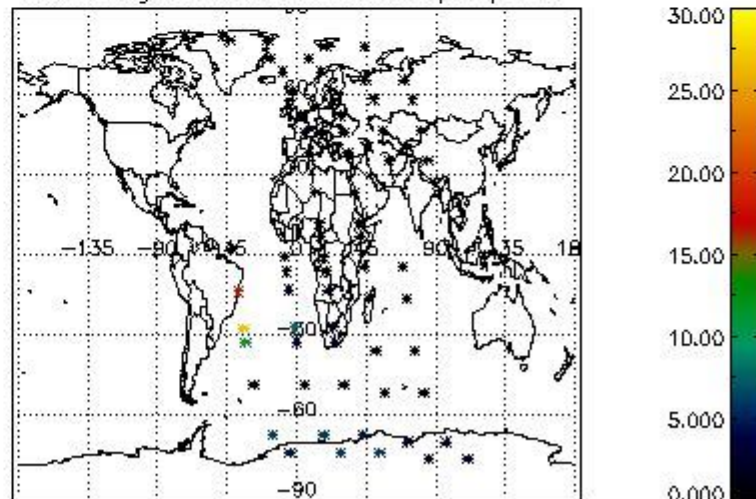
Percentage of datation errors per profile



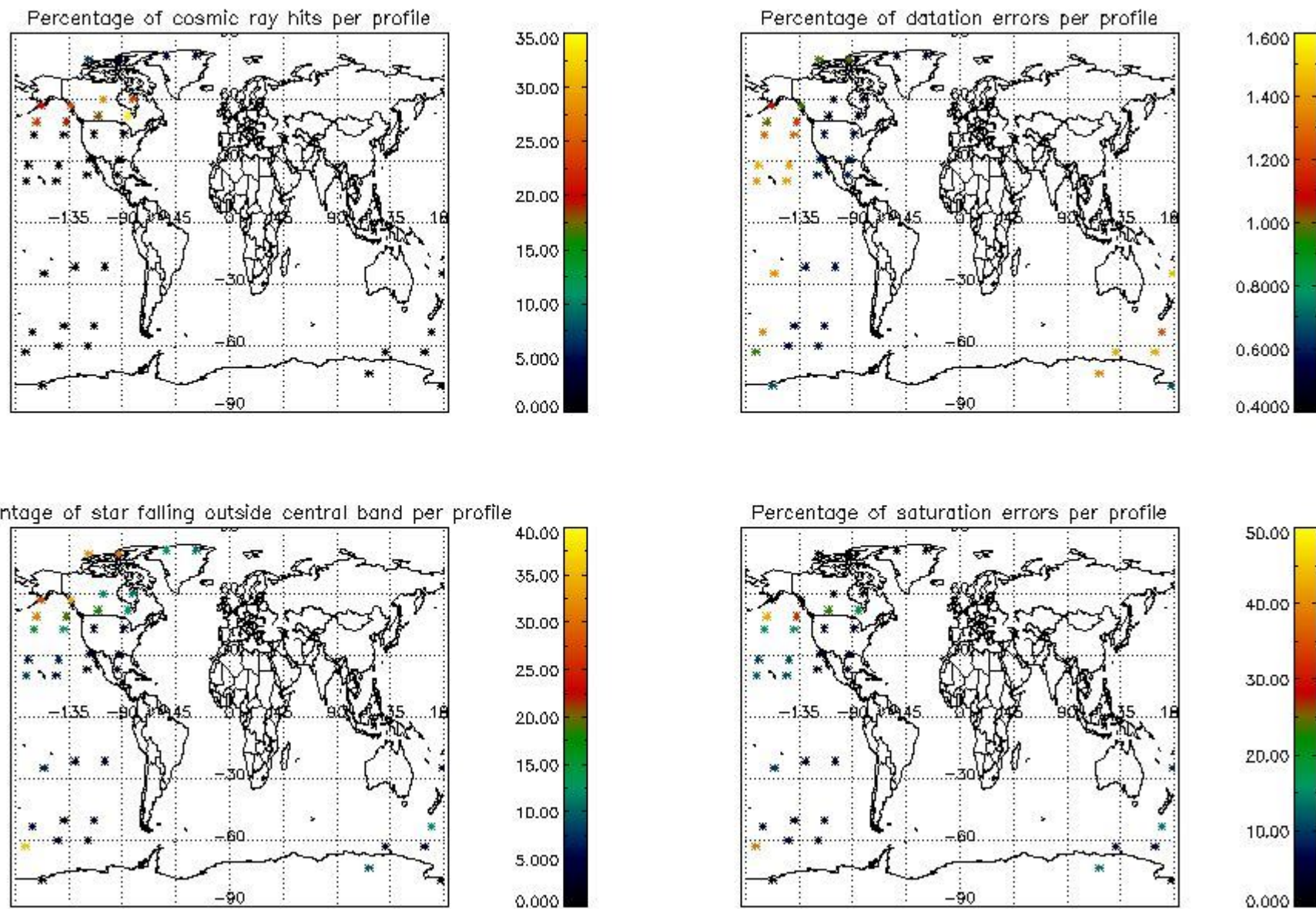
Percentage of star falling outside central band per profile



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

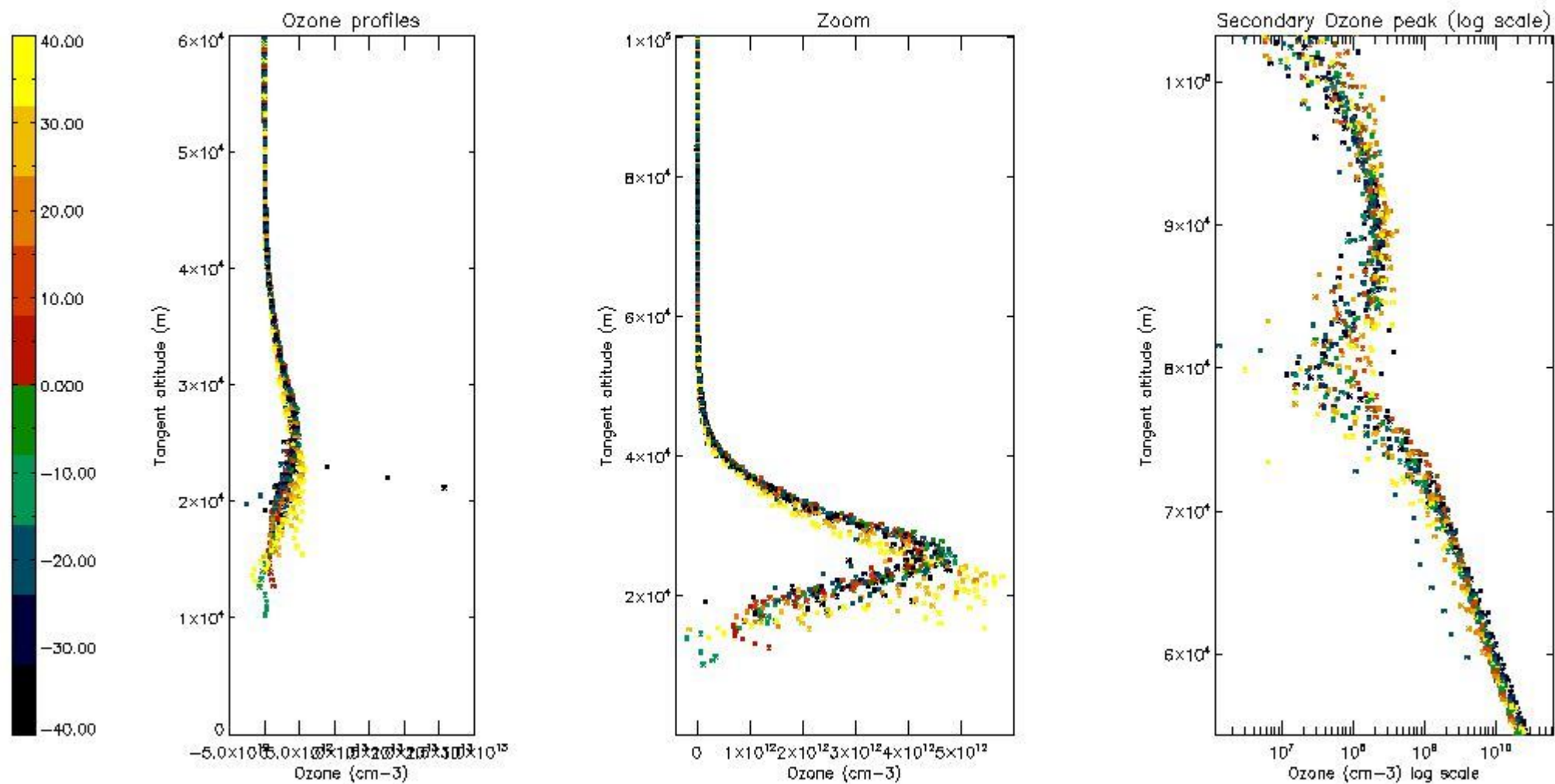
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	28
STD < 20	12

STD < 10	10
STD < 5	7

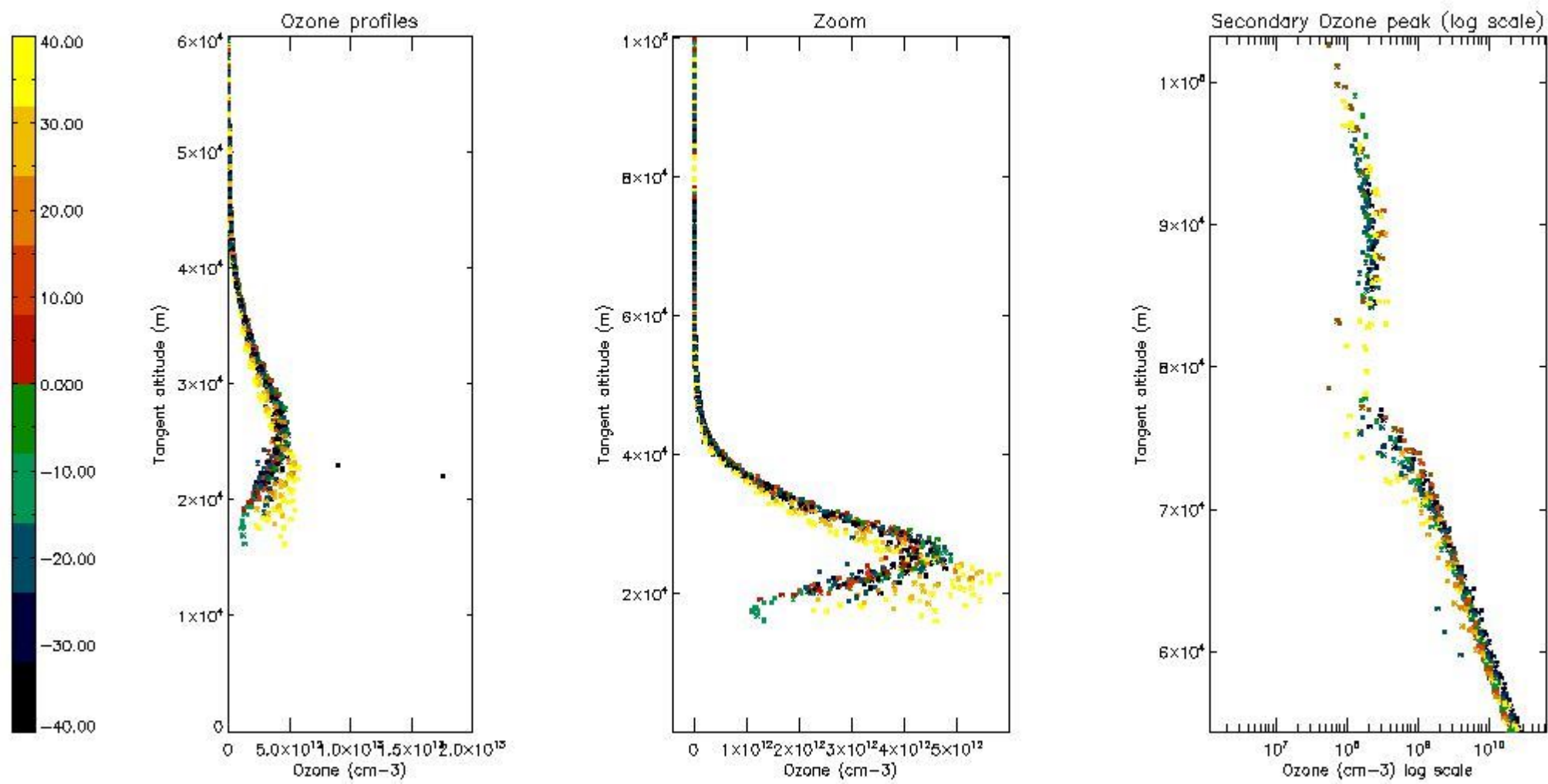
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



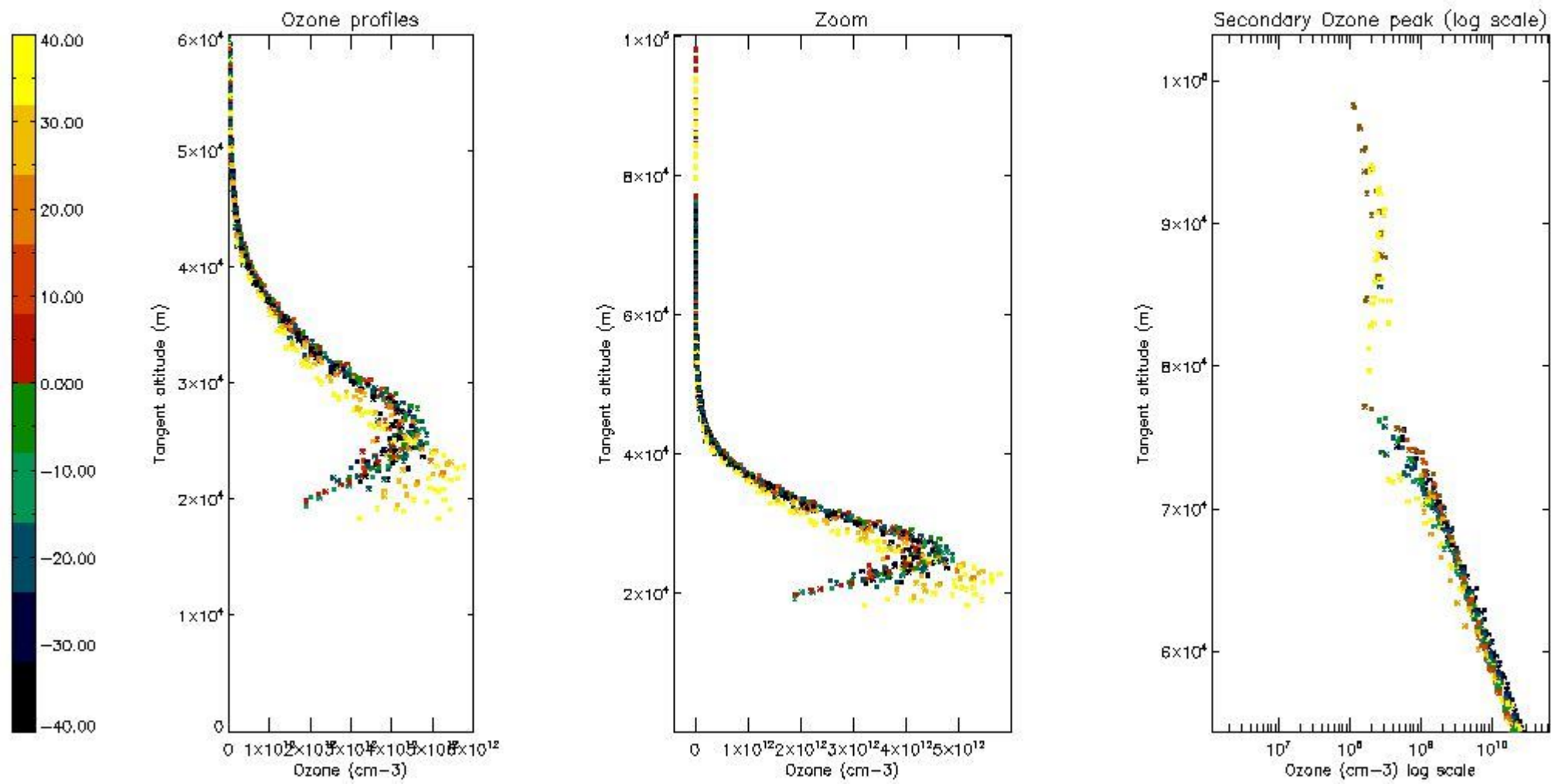
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



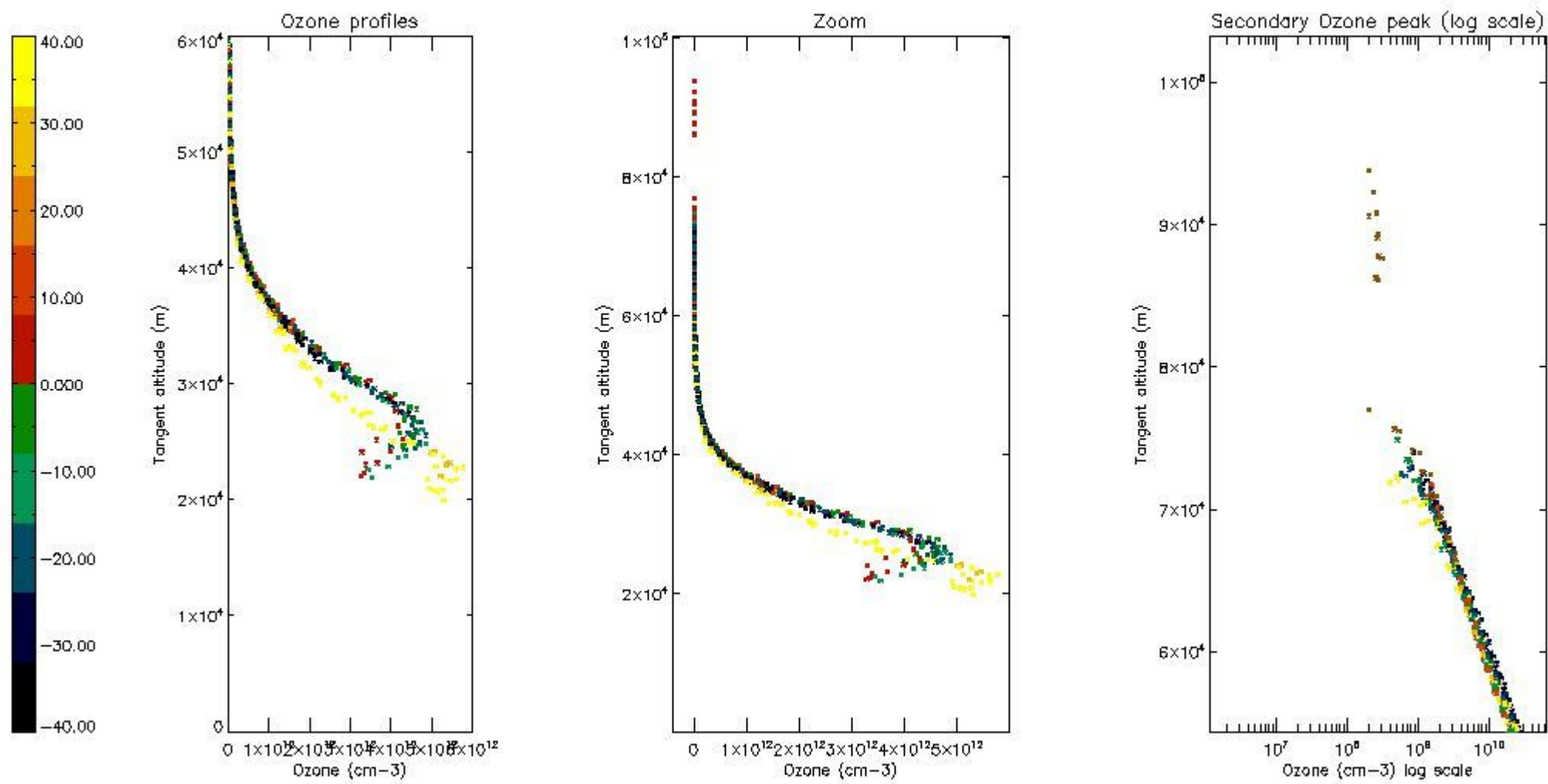
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



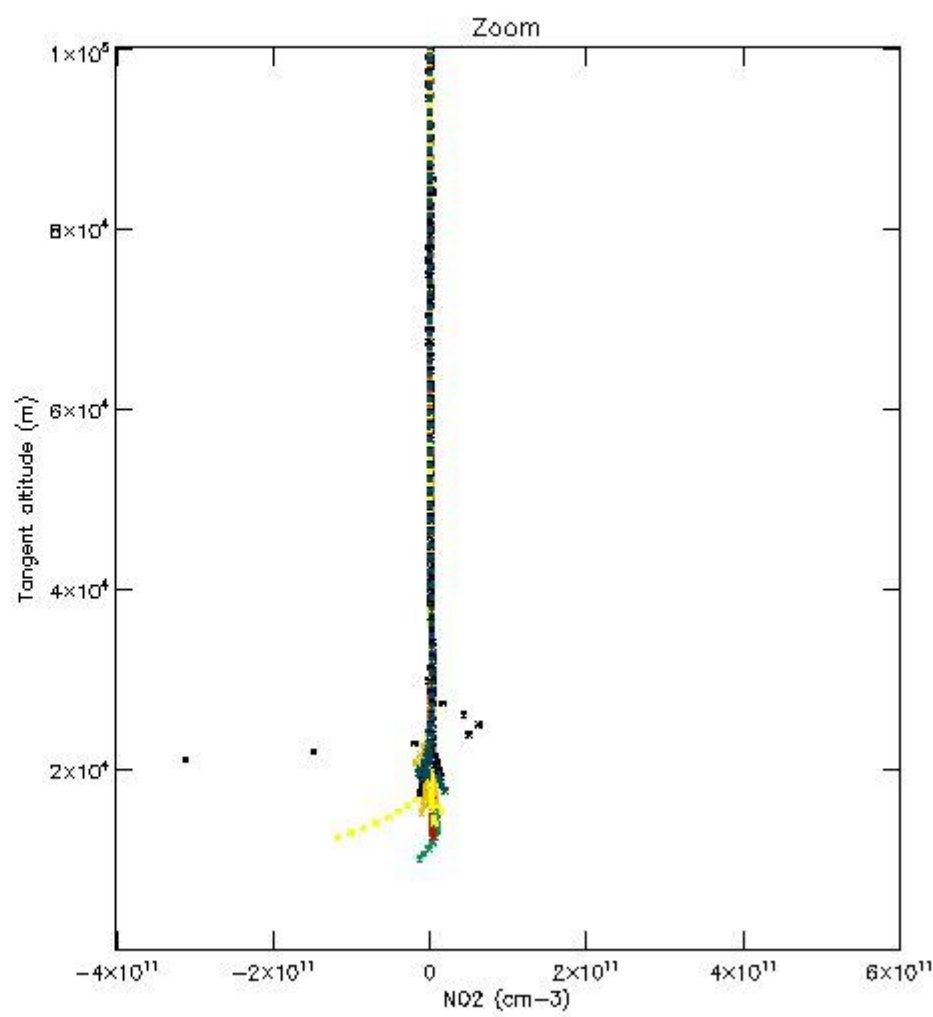
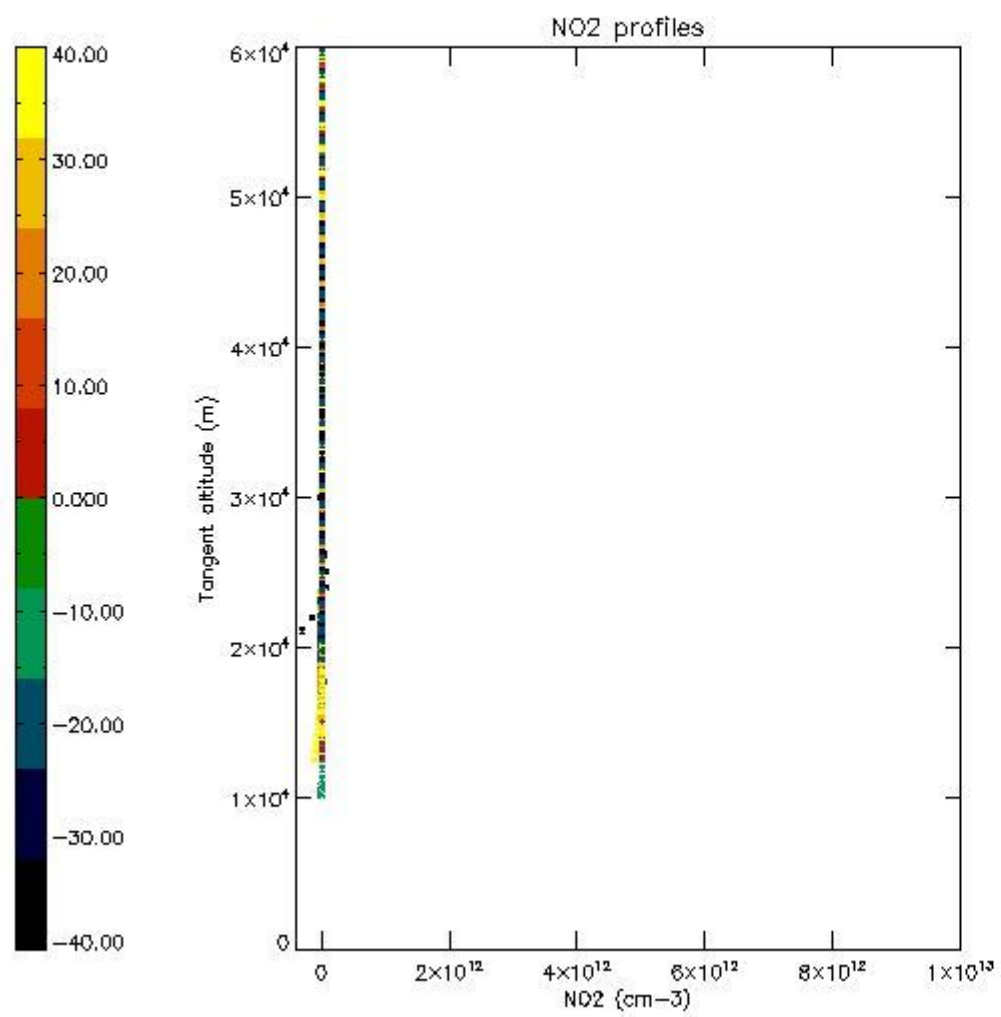
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



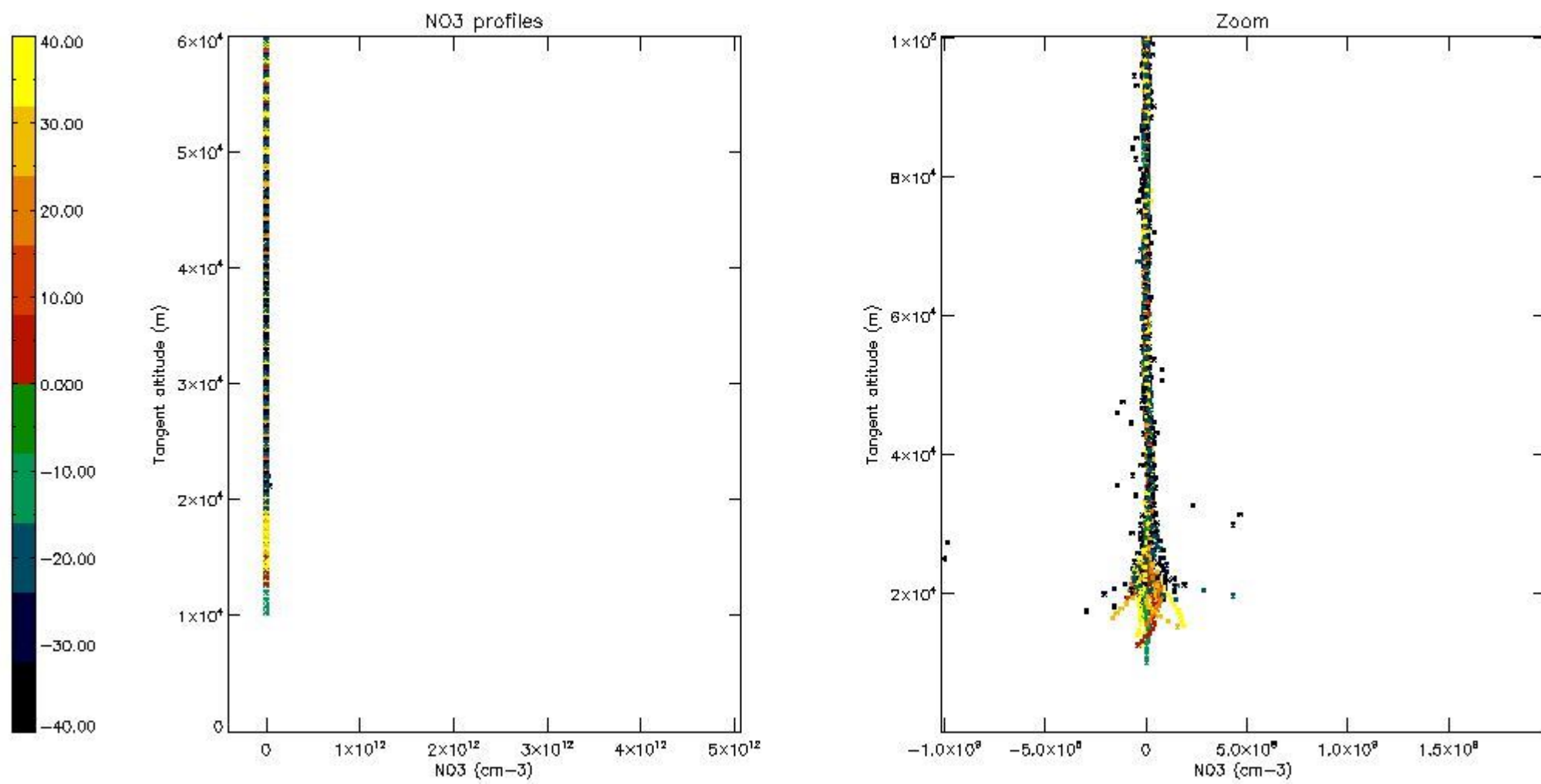
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



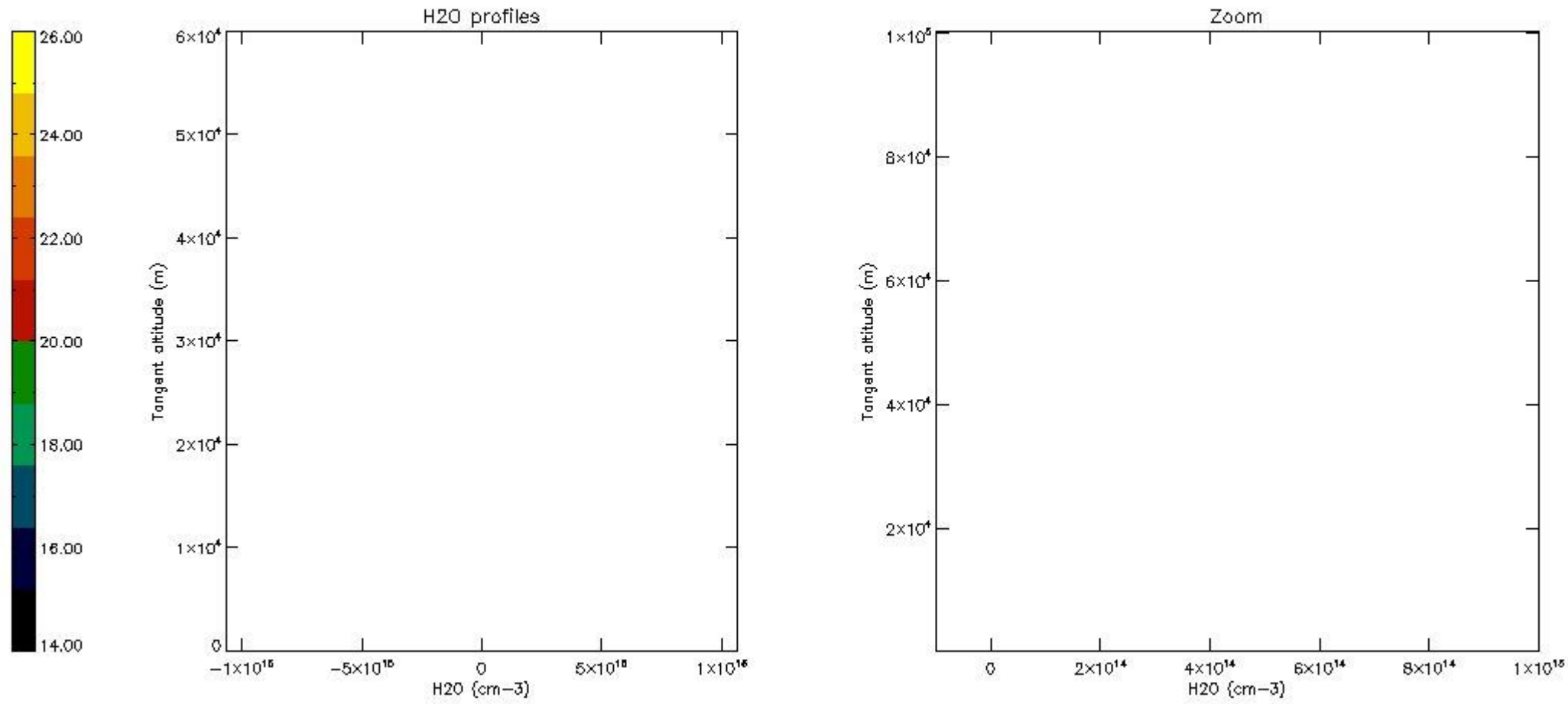
5.7 Plot NO3 profiles for all STD (dark without errors)

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	21-JAN-2007 00:10:48
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	21-JAN-2007 00:10:48
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	21-JAN-2007 00:10:48

GOMOS Level 2 Daily Report

SUMMARY

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[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 \(world map\)](#)

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

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

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

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[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	22APR2013 12:50:56
Data source version	GOMOS/6.01
Start time of products	21-01-2007 (21JAN2007 00:00:00)
Stop time of products	22-01-2007 (22JAN2007 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	107
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__2PRFIN20070121_001048_000000352054_00474_25578_3218.N1	21-JAN-2007 00:10:48	Bright	35.000	130	23Bet Dra	2.7990	5800.0	70	25578	No
2	GOM_NL__2PRFIN20070121_001404_000000372054_00474_25578_3219.N1	21-JAN-2007 00:14:04	Bright	37.000	5	3Alp Lyr	0.033000	11000.	74	25578	No
3	GOM_NL__2PRFIN20070121_002202_000000332054_00474_25578_3220.N1	21-JAN-2007 00:22:02	Bright	33.000	59	55Alp Oph	2.0800	8900.0	66	25578	No
4	GOM_NL__2PRFIN20070121_002409_000000332054_00474_25578_3221.N1	21-JAN-2007 00:24:09	Bright	33.000	126	60Bet Oph	2.7700	4250.0	66	25578	No
5	GOM_NL__2PRFIN20070121_002935_000000402054_00474_25578_3222.N1	21-JAN-2007 00:29:35	Bright	39.500	98	13Zet Oph	2.5710	30000.	79	25578	No
6	GOM_NL__2PRFIN20070121_003404_000000482054_00474_25578_3223.N1	21-JAN-2007 00:34:04	Twilight	47.500	16	21Alp Sco	1.0200	3000.0	95	25578	No
7	GOM_NL__2PRFIN20070121_003537_000000452054_00474_25578_3224.N1	21-JAN-2007 00:35:37	Twilight	45.000	75	26Eps Sco	2.2910	4250.0	90	25578	No
8	GOM_NL__2PRFIN20070121_003931_000000392054_00474_25578_3225.N1	21-JAN-2007 00:39:31	Dark	39.000	131	Gam Lup	2.8000	26000.	78	25578	No
9	GOM_NL__2PRFIN20070121_004359_000000372054_00475_25579_3206.N1	21-JAN-2007 00:43:59	Dark	36.500	134	Bet TrA	2.8100	6600.0	73	25579	No
10	GOM_NL__2PRFIN20070121_155837_000000882054_00484_25588_3388.N1	21-JAN-2007 15:58:37	Dark	87.500	29	Bet Car	1.6720	10200.	175	25588	No
11	GOM_NL__2PRFIN20070121_160149_000000882054_00484_25588_3389.N1	21-JAN-2007 16:01:49	Dark	87.500	41	Eps Car	1.8600	4100.0	175	25588	No
12	GOM_NL__2PRFIN20070121_160509_000000962054_00484_25588_3390.N1	21-JAN-2007 16:05:09	Dark	96.000	34	Gam2Vel	1.7930	23000.	192	25588	No
13	GOM_NL__2PRFIN20070121_160715_000000942054_00484_25588_3391.N1	21-JAN-2007 16:07:15	Straylight	93.500	70	Zet Pup	2.2460	39000.	187	25588	No
14	GOM_NL__2PRFIN20070121_161120_000000942054_00484_25588_3392.N1	21-JAN-2007 16:11:20	Straylight	93.500	23	21Eps CMa	1.5020	26000.	187	25588	No
15	GOM_NL__2PRFIN20070121_161455_000000962054_00484_25588_3393.N1	21-JAN-2007 16:14:55	Straylight	96.000	1	9Alp CMa	-1.4400	11000.	192	25588	No
16	GOM_NL__2PRFIN20070121_162206_000000942054_00484_25588_3394.N1	21-JAN-2007 16:22:06	Tw_and_stray	93.500	14	58Alp Ori	0.87000	3000.0	187	25588	No
17	GOM_NL__2PRFIN20070121_162421_000000972054_00484_25588_3395.N1	21-JAN-2007 16:24:21	Bright	97.000	44	24Gam Gem	1.9280	11000.	194	25588	No
18	GOM_NL__2PRFIN20070121_162651_000000882054_00484_25588_3396.N1	21-JAN-2007 16:26:51	Bright	88.000	170	27Eps Gem	3.0000	9700.0	176	25588	No
19	GOM_NL__2PRFIN20070121_163019_000000842054_00484_25588_3397.N1	21-JAN-2007 16:30:19	Bright	84.000	107	37The Aur	2.6490	11000.	168	25588	No
20	GOM_NL__2PRFIN20070121_163228_000000852054_00484_25588_3398.N1	21-JAN-2007 16:32:28	Bright	84.500	42	34Bet Aur	1.9000	10200.	169	25588	No
21	GOM_NL__2PRFIN20070121_164459_000000872054_00484_25588_3399.N1	21-JAN-2007 16:44:59	Bright	87.000	49	1Alp UMi	1.9900	6300.0	174	25588	No
22	GOM_NL__2PRFIN20070121_165306_000000922054_00484_25588_3400.N1	21-JAN-2007 16:53:06	Bright	92.000	119	14Eta Dra	2.7270	4700.0	184	25588	No
23	GOM_NL__2PRFIN20070121_165556_000000872054_00484_25588_3401.N1	21-JAN-2007 16:55:56	Bright	86.500	130	23Bet Dra	2.7990	5800.0	173	25588	No
24	GOM_NL__2PRFIN20070121_170215_000000742054_00484_25588_3402.N1	21-JAN-2007 17:02:15	Tw_and_stray	74.000	133	40Zet Her	2.8070	6000.0	148	25588	No
25	GOM_NL__2PRFIN20070121_170713_000000852054_00484_25588_3403.N1	21-JAN-2007 17:07:13	Bright	84.500	59	55Alp Oph	2.0800	8900.0	169	25588	No
26	GOM_NL__2PRFIN20070121_170920_000000842054_00484_25588_3404.N1	21-JAN-2007 17:09:20	Bright	83.500	126	60Bet Oph	2.7700	4250.0	167	25588	No
27	GOM_NL__2PRFIN20070121_171446_000000942054_00484_25588_3405.N1	21-JAN-2007 17:14:46	Bright	94.000	98	13Zet Oph	2.5710	30000.	188	25588	No
28	GOM_NL__2PRFIN20070121_171916_000001062054_00484_25588_3406.N1	21-JAN-2007 17:19:16	Tw_and_stray	106.00	16	21Alp Sco	1.0200	3000.0	212	25588	No
29	GOM_NL__2PRFIN20070121_172443_000000942054_00484_25588_3407.N1	21-JAN-2007 17:24:43	Dark	94.000	131	Gam Lup	2.8000	26000.	188	25588	No
30	GOM_NL__2PRFIN20070121_172807_000000972054_00484_25588_3408.N1	21-JAN-2007 17:28:07	Dark	96.500	78	Alp Lup	2.3040	28000.	193	25588	No
31	GOM_NL__2PRFIN20070121_173914_000000882054_00485_25589_3404.N1	21-JAN-2007 17:39:14	Dark	88.000	29	Bet Car	1.6720	10200.	176	25589	No
32	GOM_NL__2PRFIN20070121_174225_000000922054_00485_25589_3405.N1	21-JAN-2007 17:42:25	Dark	91.500	41	Eps Car	1.8600	4100.0	183	25589	No
33	GOM_NL__2PRFIN20070121_174545_000000942054_00485_25589_3406.N1	21-JAN-2007 17:45:45	Dark	93.500	34	Gam2Vel	1.7930	23000.	187	25589	No
34	GOM_NL__2PRFIN20070121_174752_000000952054_00485_25589_3407.N1	21-JAN-2007 17:47:52	Straylight	94.500	70	Zet Pup	2.2460	39000.	189	25589	No
35	GOM_NL__2PRFIN20070121_175156_000000912054_00485_25589_3408.N1	21-JAN-2007 17:51:56	Straylight	90.500	23	21Eps CMa	1.5020	26000.	181	25589	No
36	GOM_NL__2PRFIN20070121_175531_000000982054_00485_25589_3409.N1	21-JAN-2007 17:55:31	Straylight	98.000	1	9Alp CMa	-1.4400	11000.	196	25589	No
37	GOM_NL__2PRFIN20070121_180242_000000952054_00485_25589_3410.N1	21-JAN-2007 18:02:42	Tw_and_stray	95.000	14	58Alp Ori	0.87000	3000.0	190	25589	No
38	GOM_NL__2PRFIN20070121_180457_000001032054_00485_25589_3411.N1	21-JAN-2007 18:04:57	Bright	103.00	44	24Gam Gem	1.9280	11000.	206	25589	No
39	GOM_NL__2PRFIN20070121_180727_000000872054_00485_25589_3412.N1	21-JAN-2007 18:07:27	Bright	87.000	170	27Eps Gem	3.0000	9700.0	174	25589	No
40	GOM_NL__2PRFIN20070121_181055_000000852054_00485_25589_3413.N1	21-JAN-2007 18:10:55	Bright	84.500	107	37The Aur	2.6490	11000.	169	25589	No
41	GOM_NL__2PRFIN20070121_181304_000000852054_00485_25589_3414.N1	21-JAN-2007 18:13:04	Bright	84.500	42	34Bet Aur	1.9000	10200.	169	25589	No
42	GOM_NL__2PRFIN20070121_182535_000000882054_00485_25589_3415.N1	21-JAN-2007 18:25:35	Bright	87.500	49	1Alp UMi	1.9900	6300.0	175	25589	No

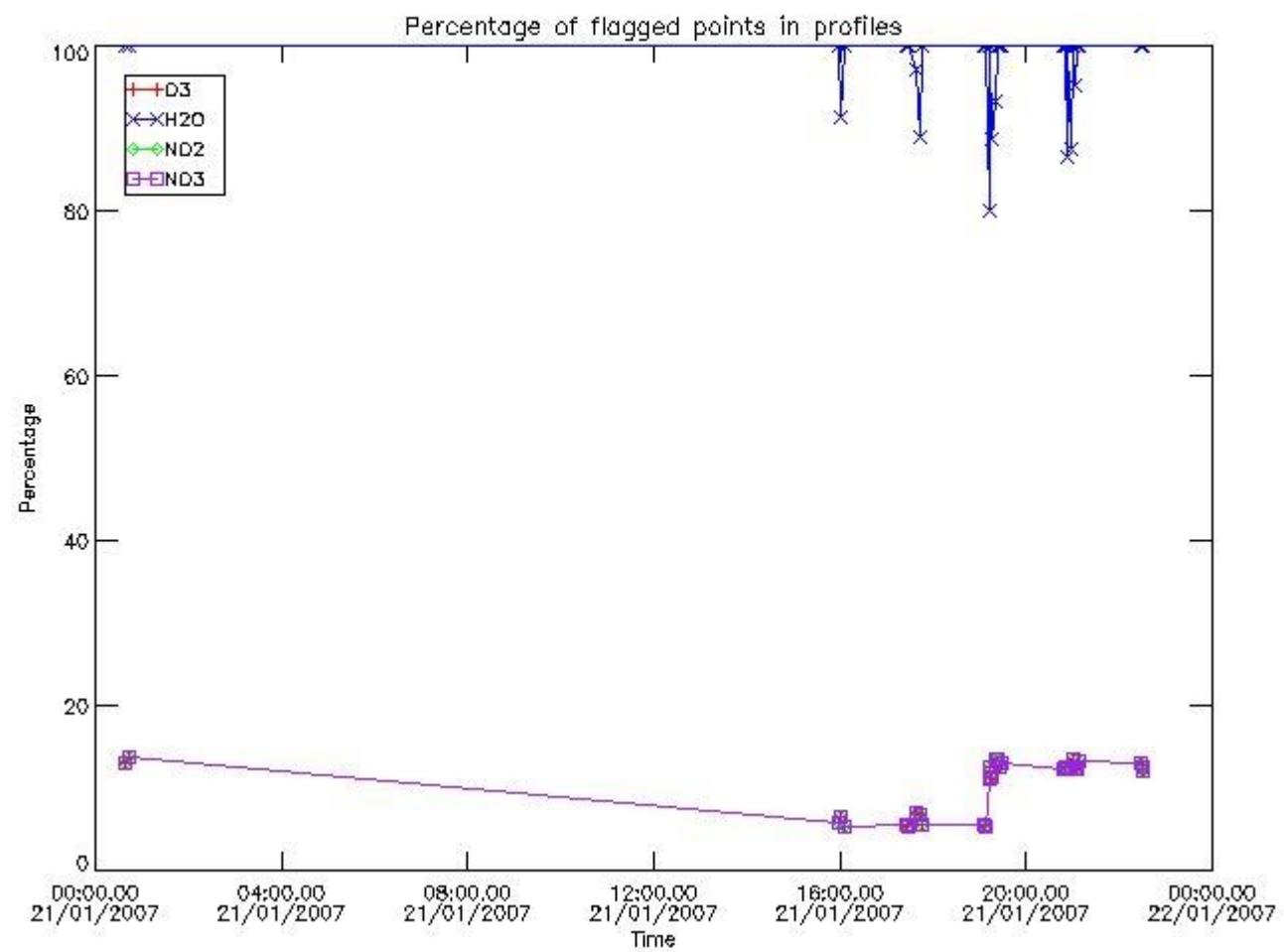
43	GOM_NL__2PRFIN20070121_183342_000000902054_00485_25589_3416.N1	21-JAN-2007 18:33:42	Bright	89.500	119	14Eta Dra	2.7270	4700.0	179	25589	No
44	GOM_NL__2PRFIN20070121_183632_000000902054_00485_25589_3417.N1	21-JAN-2007 18:36:32	Bright	89.500	130	23Bet Dra	2.7990	5800.0	179	25589	No
45	GOM_NL__2PRFIN20070121_184252_000000742054_00485_25589_3418.N1	21-JAN-2007 18:42:52	Tw_i_and_stray	74.000	133	40Zet Her	2.8070	6000.0	148	25589	No
46	GOM_NL__2PRFIN20070121_184749_000000842054_00485_25589_3419.N1	21-JAN-2007 18:47:49	Bright	84.000	59	55Alp Oph	2.0800	8900.0	168	25589	No
47	GOM_NL__2PRFIN20070121_184956_000000842054_00485_25589_3420.N1	21-JAN-2007 18:49:56	Bright	83.500	126	60Bet Oph	2.7700	4250.0	167	25589	No
48	GOM_NL__2PRFIN20070121_185522_000000932054_00485_25589_3421.N1	21-JAN-2007 18:55:22	Bright	92.500	98	13Zet Oph	2.5710	30000.	185	25589	No
49	GOM_NL__2PRFIN20070121_185952_000001022054_00485_25589_3422.N1	21-JAN-2007 18:59:52	Tw_i_and_stray	101.50	16	21Alp Sco	1.0200	3000.0	203	25589	No
50	GOM_NL__2PRFIN20070121_190519_000000942054_00485_25589_3423.N1	21-JAN-2007 19:05:19	Dark	94.000	131	Gam Lup	2.8000	26000.	188	25589	No
51	GOM_NL__2PRFIN20070121_190844_000000982054_00485_25589_3424.N1	21-JAN-2007 19:08:44	Dark	98.000	78	Alp Lup	2.3040	28000.	196	25589	No
52	GOM_NL__2PRFIN20070121_191154_000000462054_00486_25590_3420.N1	21-JAN-2007 19:11:54	Dark	45.500	4	Alp1Cen	-0.010000	5800.0	91	25590	No
53	GOM_NL__2PRFIN20070121_191313_000000412054_00486_25590_3421.N1	21-JAN-2007 19:13:13	Dark	41.000	77	Eps Cen	2.3030	28000.	82	25590	No
54	GOM_NL__2PRFIN20070121_191625_000000452054_00486_25590_3422.N1	21-JAN-2007 19:16:25	Dark	45.000	12	Alp1Cru	0.77500	30000.	90	25590	No
55	GOM_NL__2PRFIN20070121_192040_000000382054_00486_25590_3423.N1	21-JAN-2007 19:20:40	Dark	37.500	29	Bet Car	1.6720	10200.	75	25590	No
56	GOM_NL__2PRFIN20070121_192246_000000382054_00486_25590_3424.N1	21-JAN-2007 19:22:46	Dark	38.000	71	lot Car	2.2460	7700.0	76	25590	No
57	GOM_NL__2PRFIN20070121_192436_000000402054_00486_25590_3425.N1	21-JAN-2007 19:24:36	Dark	40.000	46	Del Vel	1.9540	10600.	80	25590	No
58	GOM_NL__2PRFIN20070121_192714_000000392054_00486_25590_3426.N1	21-JAN-2007 19:27:14	Dark	39.000	34	Gam2Vel	1.7930	23000.	78	25590	No
59	GOM_NL__2PRFIN20070121_192921_000000402054_00486_25590_3427.N1	21-JAN-2007 19:29:21	Straylight	39.500	70	Zet Pup	2.2460	39000.	79	25590	No
60	GOM_NL__2PRFIN20070121_193054_000000432054_00486_25590_3428.N1	21-JAN-2007 19:30:54	Straylight	43.000	117	Pi Pup	2.7060	3800.0	86	25590	No
61	GOM_NL__2PRFIN20070121_193324_000000442054_00486_25590_3429.N1	21-JAN-2007 19:33:24	Straylight	43.500	23	21Eps CMa	1.5020	26000.	87	25590	No
62	GOM_NL__2PRFIN20070121_193447_000000402054_00486_25590_3430.N1	21-JAN-2007 19:34:47	Straylight	40.000	179	24Omi2CMa	3.0320	24000.	80	25590	No
63	GOM_NL__2PRFIN20070121_193658_000000502054_00486_25590_3431.N1	21-JAN-2007 19:36:58	Straylight	50.000	1	9Alp CMa	-1.4400	11000.	100	25590	No
64	GOM_NL__2PRFIN20070121_194408_000000522054_00486_25590_3432.N1	21-JAN-2007 19:44:08	Tw_i_and_stray	51.500	14	58Alp Ori	0.87000	3000.0	103	25590	No
65	GOM_NL__2PRFIN20070121_194623_000000422054_00486_25590_3433.N1	21-JAN-2007 19:46:23	Bright	42.000	44	24Gam Gem	1.9280	11000.	84	25590	No
66	GOM_NL__2PRFIN20070121_194808_000000392054_00486_25590_3434.N1	21-JAN-2007 19:48:08	Bright	39.000	151	13Mu Gem	2.8900	3000.0	78	25590	No
67	GOM_NL__2PRFIN20070121_195220_000000362054_00486_25590_3435.N1	21-JAN-2007 19:52:20	Bright	35.500	107	37The Aur	2.6490	11000.	71	25590	No
68	GOM_NL__2PRFIN20070121_195430_000000362054_00486_25590_3436.N1	21-JAN-2007 19:54:30	Bright	35.500	42	34Bet Aur	1.9000	10200.	71	25590	No
69	GOM_NL__2PRFIN20070121_200702_000000362054_00486_25590_3437.N1	21-JAN-2007 20:07:02	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	25590	No
70	GOM_NL__2PRFIN20070121_201512_000000372054_00486_25590_3438.N1	21-JAN-2007 20:15:12	Bright	37.000	119	14Eta Dra	2.7270	4700.0	74	25590	No
71	GOM_NL__2PRFIN20070121_201800_000000532054_00486_25590_3439.N1	21-JAN-2007 20:18:00	Bright	52.500	130	23Bet Dra	2.7990	5800.0	105	25590	No
72	GOM_NL__2PRFIN20070121_202916_000000342054_00486_25590_3440.N1	21-JAN-2007 20:29:16	Bright	33.500	59	55Alp Oph	2.0800	8900.0	67	25590	No
73	GOM_NL__2PRFIN20070121_203123_000000332054_00486_25590_3441.N1	21-JAN-2007 20:31:23	Bright	33.000	126	60Bet Oph	2.7700	4250.0	66	25590	No
74	GOM_NL__2PRFIN20070121_203652_000000422054_00486_25590_3442.N1	21-JAN-2007 20:36:52	Bright	41.500	98	13Zet Oph	2.5710	30000.	83	25590	No
75	GOM_NL__2PRFIN20070121_204121_000000452054_00486_25590_3443.N1	21-JAN-2007 20:41:21	Twilight	44.500	16	21Alp Sco	1.0200	3000.0	89	25590	No
76	GOM_NL__2PRFIN20070121_204253_000000422054_00486_25590_3444.N1	21-JAN-2007 20:42:53	Twilight	41.500	75	26Eps Sco	2.2910	4250.0	83	25590	No
77	GOM_NL__2PRFIN20070121_204650_000000422054_00486_25590_3445.N1	21-JAN-2007 20:46:50	Dark	41.500	131	Gam Lup	2.8000	26000.	83	25590	No
78	GOM_NL__2PRFIN20070121_204846_000000422054_00486_25590_3446.N1	21-JAN-2007 20:48:46	Dark	41.500	109	Bet Lup	2.6770	26000.	83	25590	No
79	GOM_NL__2PRFIN20070121_205016_000000412054_00486_25590_3447.N1	21-JAN-2007 20:50:16	Dark	41.000	78	Alp Lup	2.3040	28000.	82	25590	No
80	GOM_NL__2PRFIN20070121_205230_000000412054_00487_25591_3433.N1	21-JAN-2007 20:52:30	Dark	41.000	4	Alp1Cen	-0.010000	5800.0	82	25591	No
81	GOM_NL__2PRFIN20070121_205349_000000412054_00487_25591_3434.N1	21-JAN-2007 20:53:49	Dark	40.500	77	Eps Cen	2.3030	28000.	81	25591	No
82	GOM_NL__2PRFIN20070121_205701_000000412054_00487_25591_3435.N1	21-JAN-2007 20:57:01	Dark	40.500	12	Alp1Cru	0.77500	30000.	81	25591	No
83	GOM_NL__2PRFIN20070121_210116_000000382054_00487_25591_3436.N1	21-JAN-2007 21:01:16	Dark	37.500	29	Bet Car	1.6720	10200.	75	25591	No
84	GOM_NL__2PRFIN20070121_210322_000000422054_00487_25591_3437.N1	21-JAN-2007 21:03:22	Dark	41.500	71	lot Car	2.2460	7700.0	83	25591	No
85	GOM_NL__2PRFIN20070121_210512_000000422054_00487_25591_3438.N1	21-JAN-2007 21:05:12	Dark	41.500	46	Del Vel	1.9540	10600.	83	25591	No
86	GOM_NL__2PRFIN20070121_210750_000000432054_00487_25591_3439.N1	21-JAN-2007 21:07:50	Dark	42.500	34	Gam2Vel	1.7930	23000.	85	25591	No
87	GOM_NL__2PRFIN20070121_210958_000000412054_00487_25591_3440.N1	21-JAN-2007 21:09:58	Straylight	40.500	70	Zet Pup	2.2460	39000.	81	25591	No
88	GOM_NL__2PRFIN20070121_211130_000000452054_00487_25591_3441.N1	21-JAN-2007 21:11:30	Straylight	45.000	117	Pi Pup	2.7060	3800.0	90	25591	No
89	GOM_NL__2PRFIN20070121_211400_000000422054_00487_25591_3442.N1	21-JAN-2007 21:14:00	Straylight	42.000	23	21Eps CMa	1.5020	26000.	84	25591	No
90	GOM_NL__2PRFIN20070121_211523_000000392054_00487_25591_3443.N1	21-JAN-2007 21:15:23	Straylight	39.000	179	24Omi2CMa	3.0320	24000.	78	25591	No
91	GOM_NL__2PRFIN20070121_211734_000000522054_00487_25591_3444.N1	21-JAN-2007 21:17:34	Straylight	51.500	1	9Alp CMa	-1.4400	11000.	103	25591	No
92	GOM_NL__2PRFIN20070121_212444_000000472054_00487_25591_3445.N1	21-JAN-2007 21:24:44	Tw_i_and_stray	47.000	14	58Alp Ori	0.87000	3000.0	94	25591	No
93	GOM_NL__2PRFIN20070121_212659_000000502054_00487_25591_3446.N1	21-JAN-2007 21:26:59	Bright	50.000	44	24Gam Gem	1.9280	11000.	100	25591	No
94	GOM_NL__2PRFIN20070121_212844_000000392054_00487_25591_3447.N1	21-JAN-2007 21:28:44	Bright	39.000	151	13Mu Gem	2.8900	3000.0	78	25591	No
95	GOM_NL__2PRFIN20070121_213256_000000352054_00487_25591_3448.N1	21-JAN-2007 21:32:56	Bright	35.000	107	37The Aur	2.6490	11000.	70	25591	No
96	GOM_NL__2PRFIN20070121_213506_000000362054_00487_25591_3449.N1	21-JAN-2007 21:35:06	Bright	36.000	42	34Bet Aur	1.9000	10200.	72	25591	No
97	GOM_NL__2PRFIN20070121_214738_000000352054_00487_25591_3450.N1	21-JAN-2007 21:47:38	Bright	34.500	49	1Alp UMi	1.9900	6300.0	69	25591	No
98	GOM_NL__2PRFIN20070121_215548_000000402054_00487_25591_3451.N1	21-JAN-2007 21:55:48	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	25591	No
99	GOM_NL__2PRFIN20070121_215836_000000352054_00487_25591_3452.N1	21-JAN-2007 21:58:36	Bright	35.000	130	23Bet Dra	2.7990	5800.0	70	25591	No
100	GOM_NL__2PRFIN20070121_220952_000000342054_00487_25591_3453.N1	21-JAN-2007 22:09:52	Bright	33.500	59	55Alp Oph	2.0800	8900.0	67	25591	No
101	GOM_NL__2PRFIN20070121_221159_000000332054_00487_25591_3454.N1	21-JAN-2007 22:11:59	Bright	33.000	126	60Bet Oph	2.7700	4250.0	66	25591	No

102	GOM_NL__2PRFIN20070121_221728_000000422054_00487_25591_3455.N1	21-JAN-2007 22:17:28	Bright	41.500	98	13Zet Oph	2.5710	30000.	83	25591	No
103	GOM_NL__2PRFIN20070121_222158_000000512054_00487_25591_3456.N1	21-JAN-2007 22:21:58	Twilight	51.000	16	21Alp Sco	1.0200	3000.0	102	25591	No
104	GOM_NL__2PRFIN20070121_222329_000000452054_00487_25591_3457.N1	21-JAN-2007 22:23:29	Twilight	44.500	75	26Eps Sco	2.2910	4250.0	89	25591	No
105	GOM_NL__2PRFIN20070121_222726_000000392054_00487_25591_3458.N1	21-JAN-2007 22:27:26	Dark	39.000	131	Gam Lup	2.8000	26000.	78	25591	No
106	GOM_NL__2PRFIN20070121_222922_000000412054_00487_25591_3459.N1	21-JAN-2007 22:29:22	Dark	41.000	109	Bet Lup	2.6770	26000.	82	25591	No
107	GOM_NL__2PRFIN20070121_223052_000000422054_00487_25591_3460.N1	21-JAN-2007 22:30:52	Dark	42.000	78	Alp Lup	2.3040	28000.	84	25591	No

3. Quality information per product

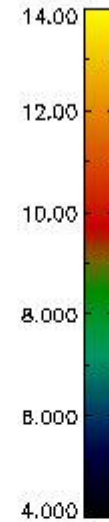
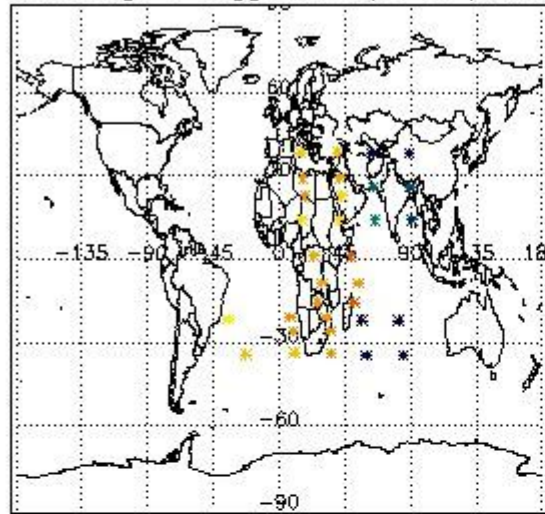
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

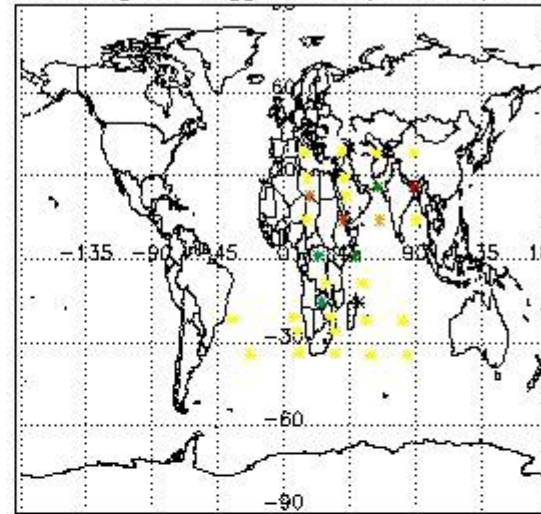


3.2 Plot quality information per product (world map)

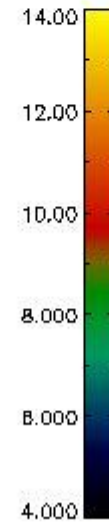
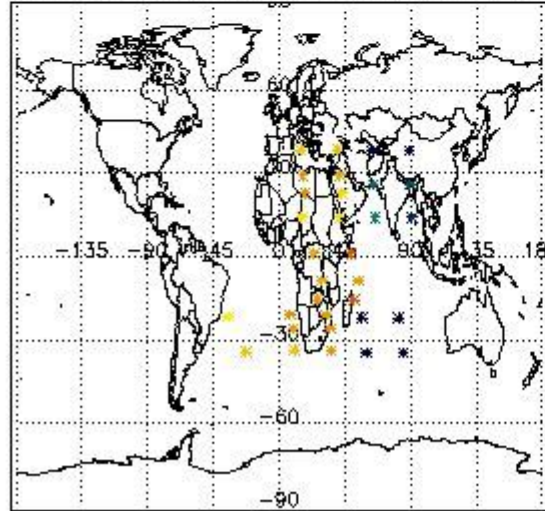
Percentage of flagged data per O3 profile



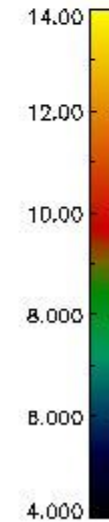
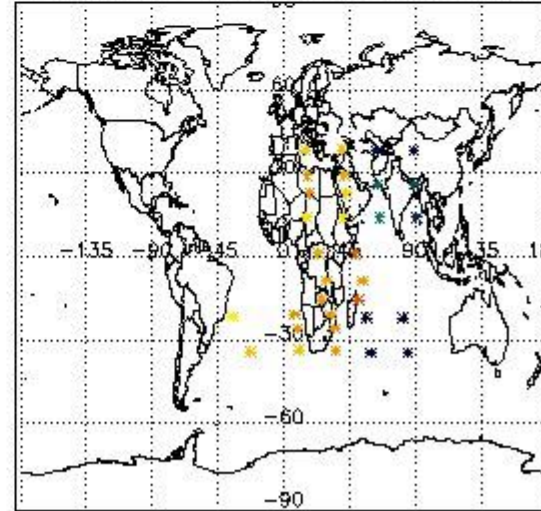
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

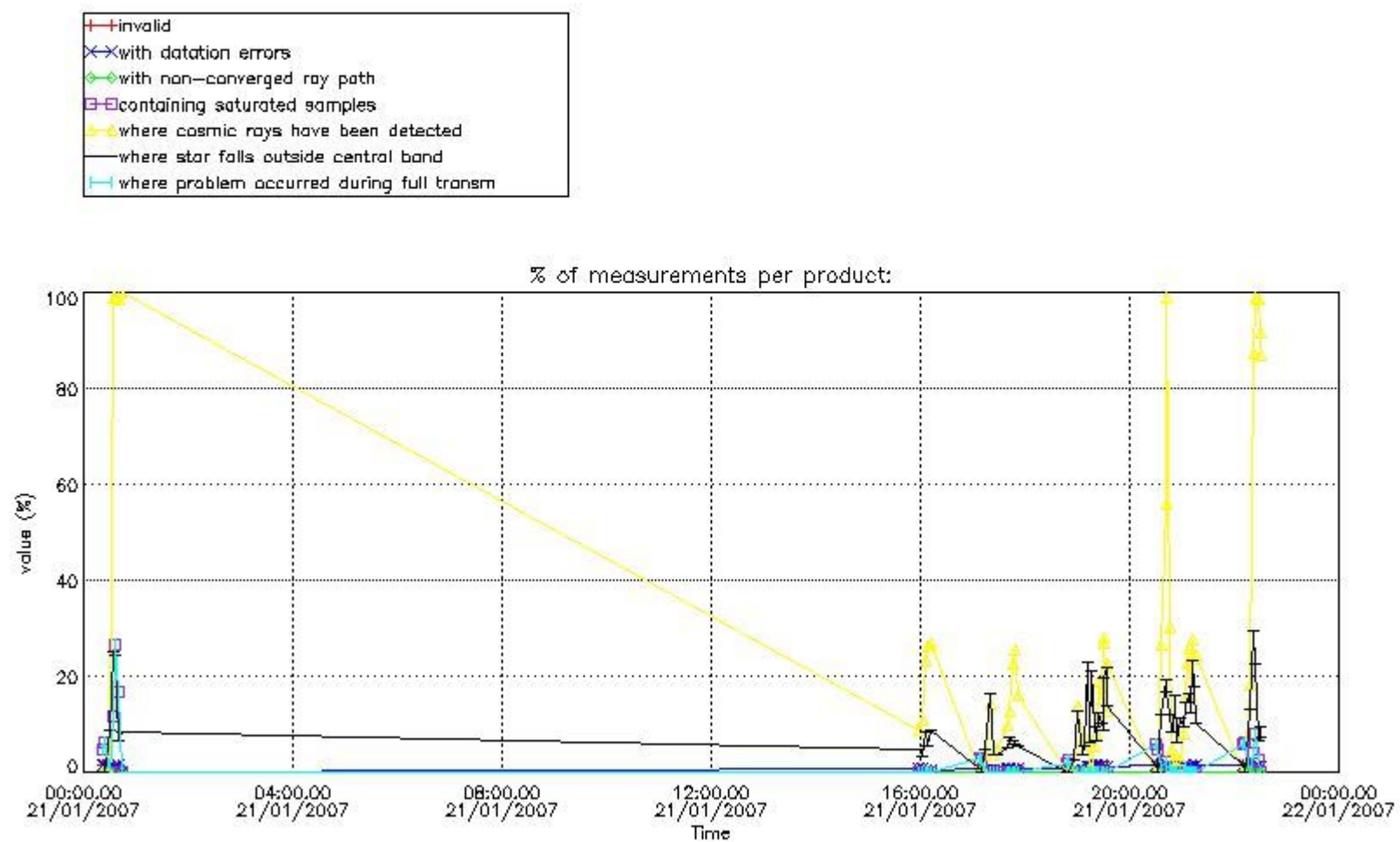


4. Level 1 quality information per product

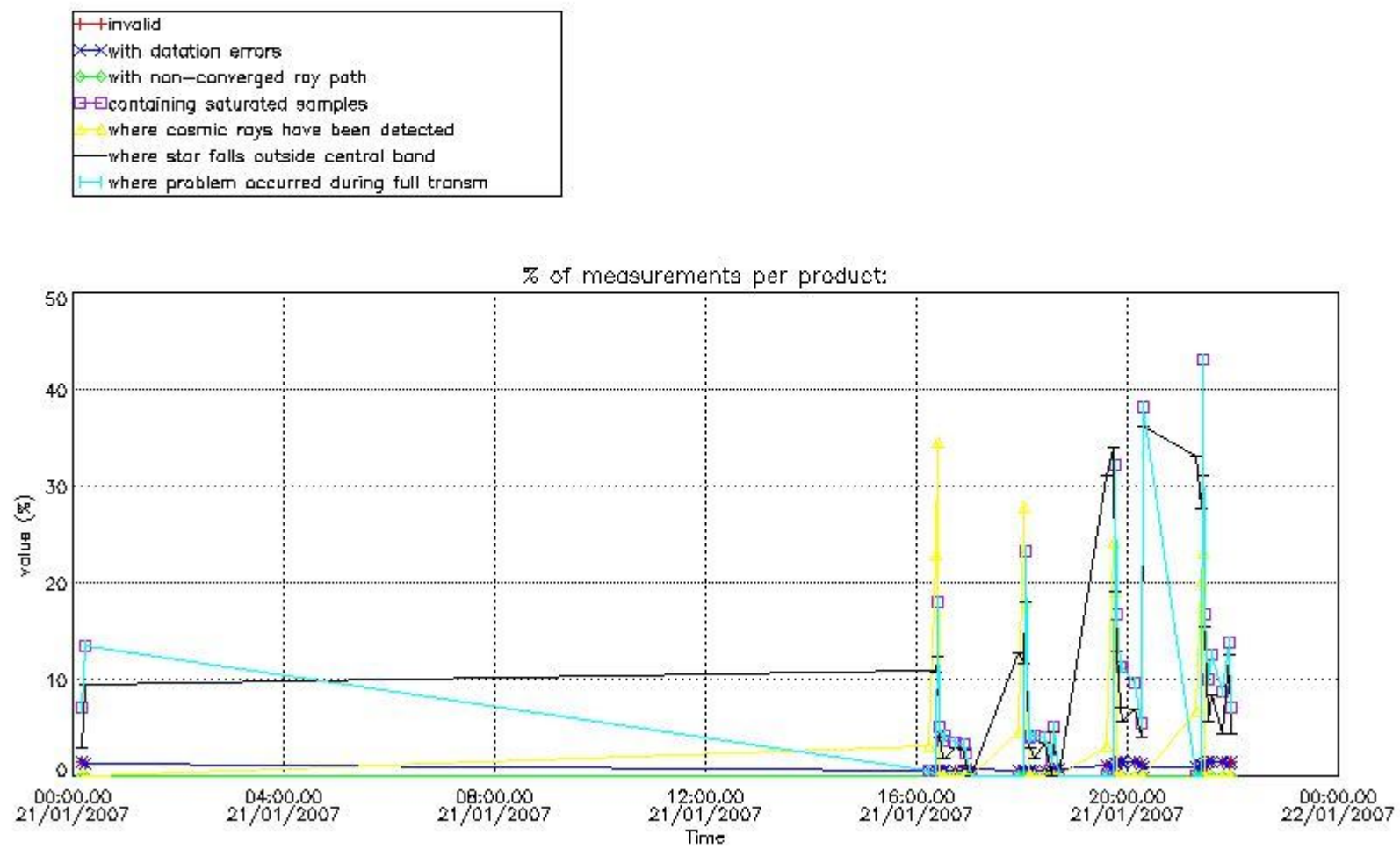
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



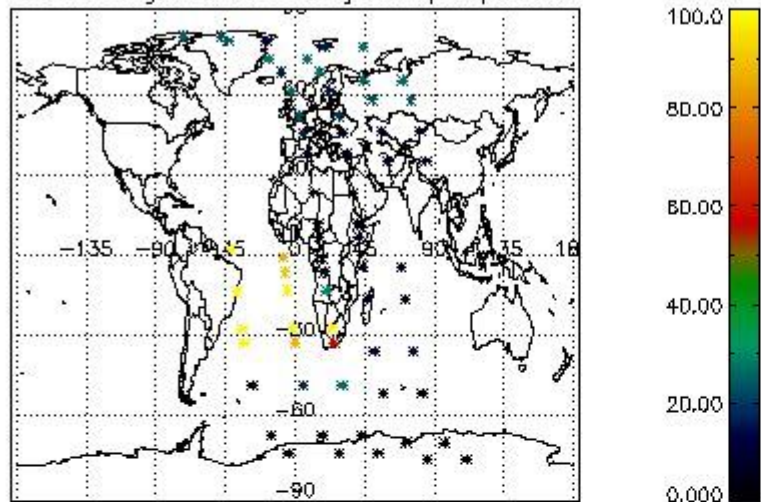
4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



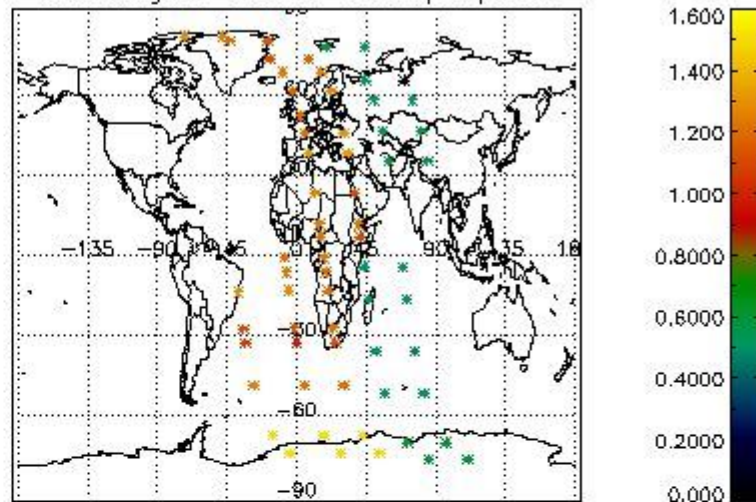
4.2 Plot quality information per product coming from level 1b processing (world map)

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

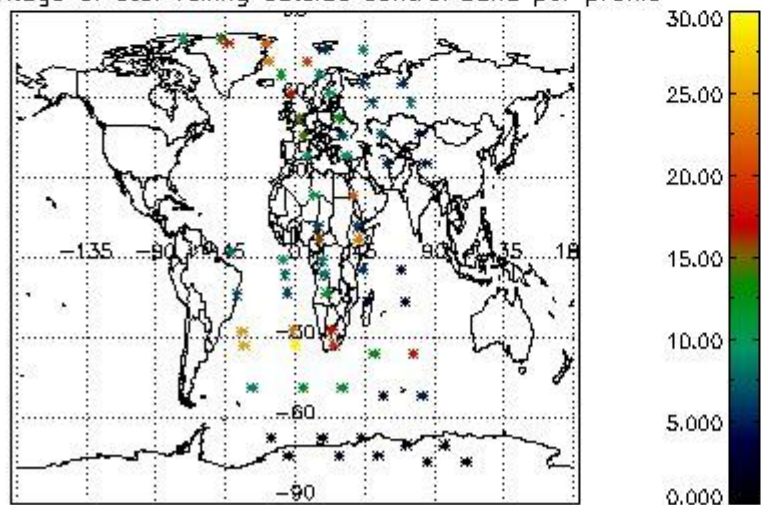
Percentage of cosmic ray hits per profile



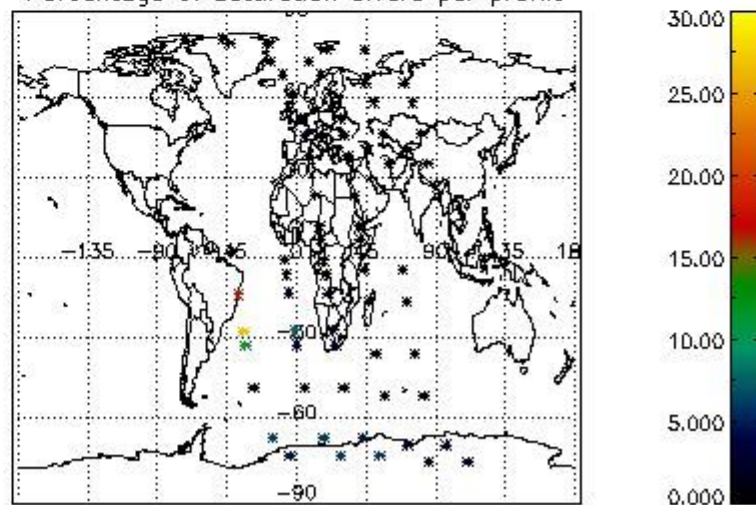
Percentage of datation errors per profile



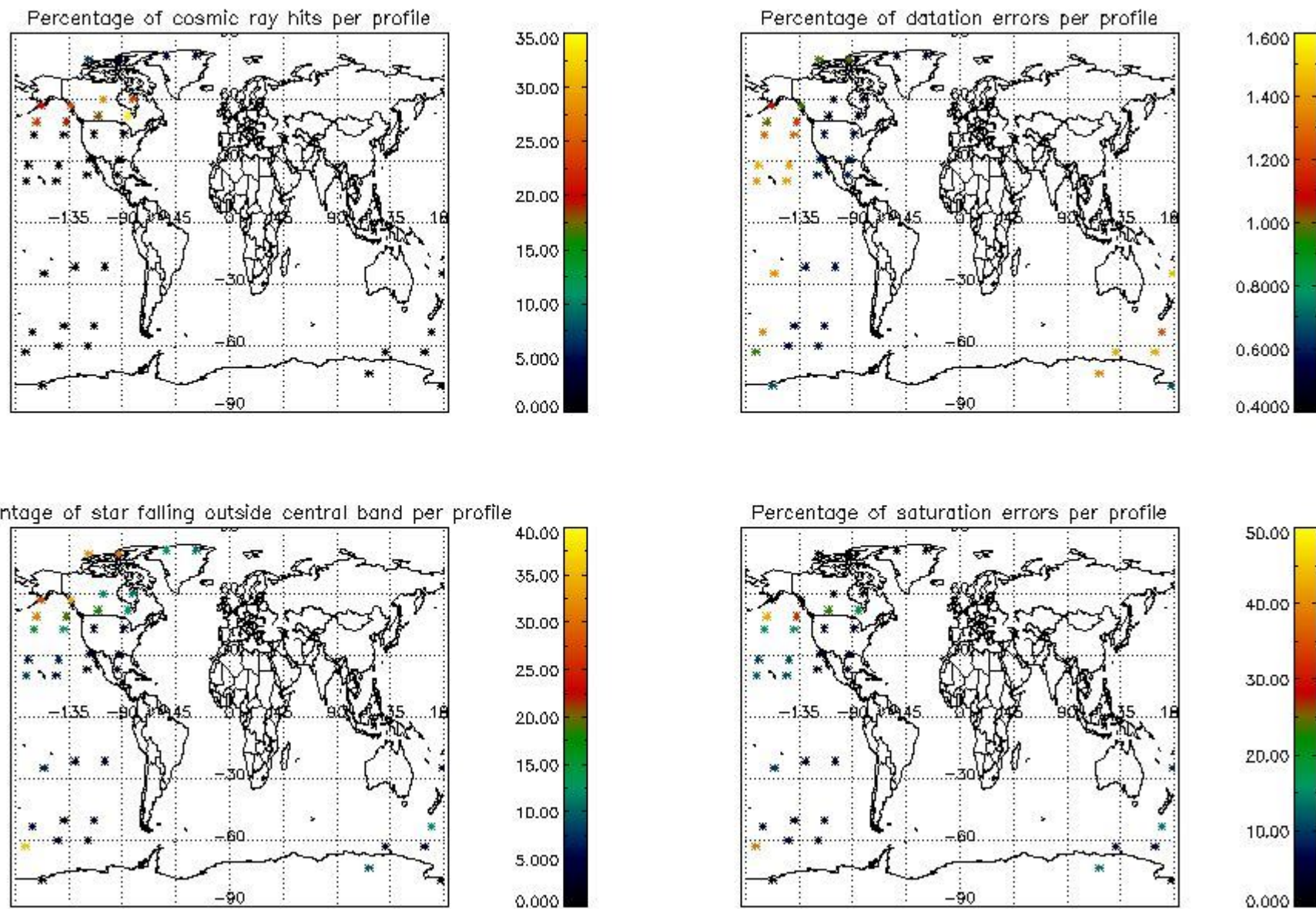
Percentage of star falling outside central band per profile



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

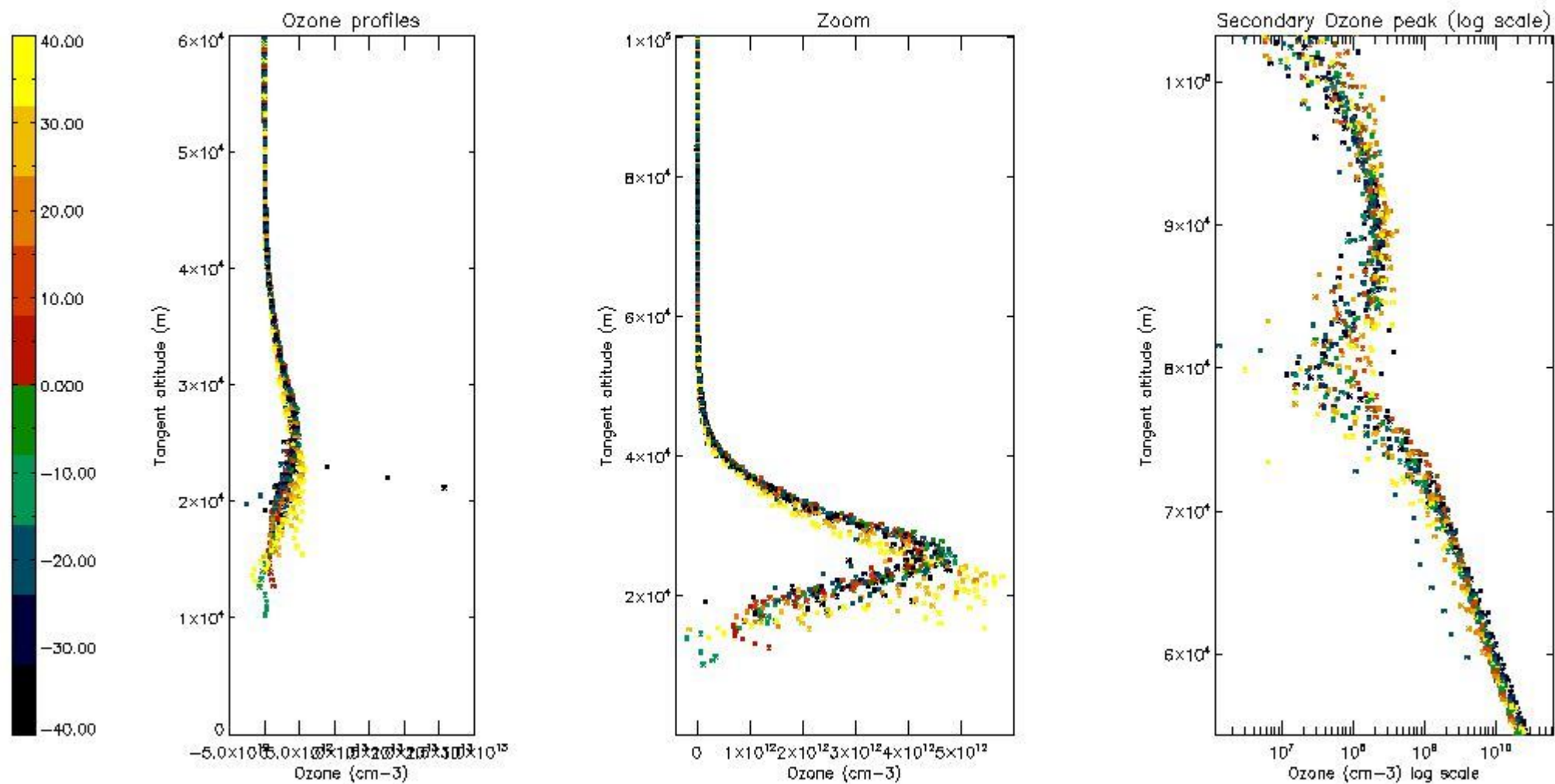
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	28
STD < 20	12

STD < 10	10
STD < 5	7

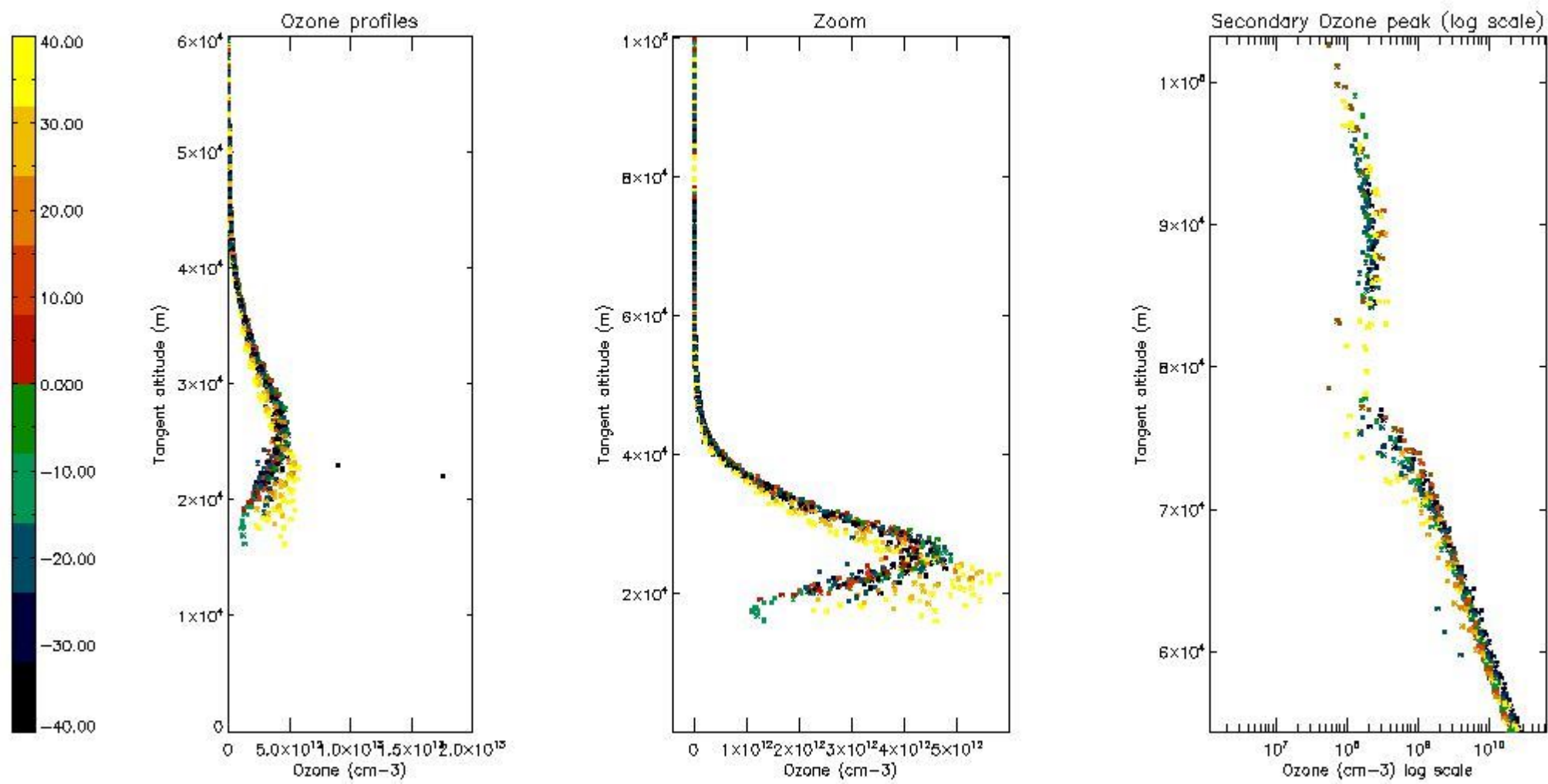
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



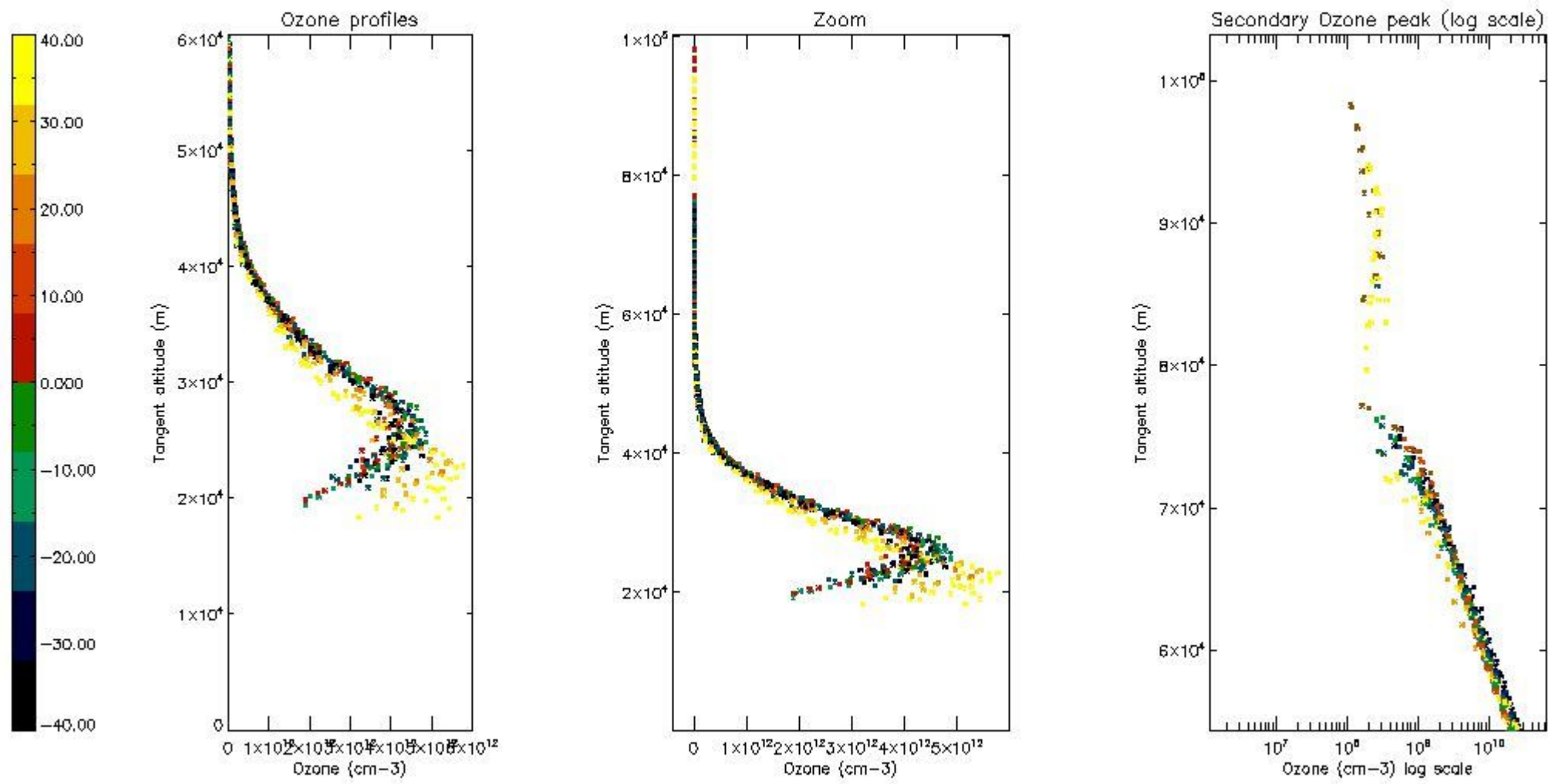
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



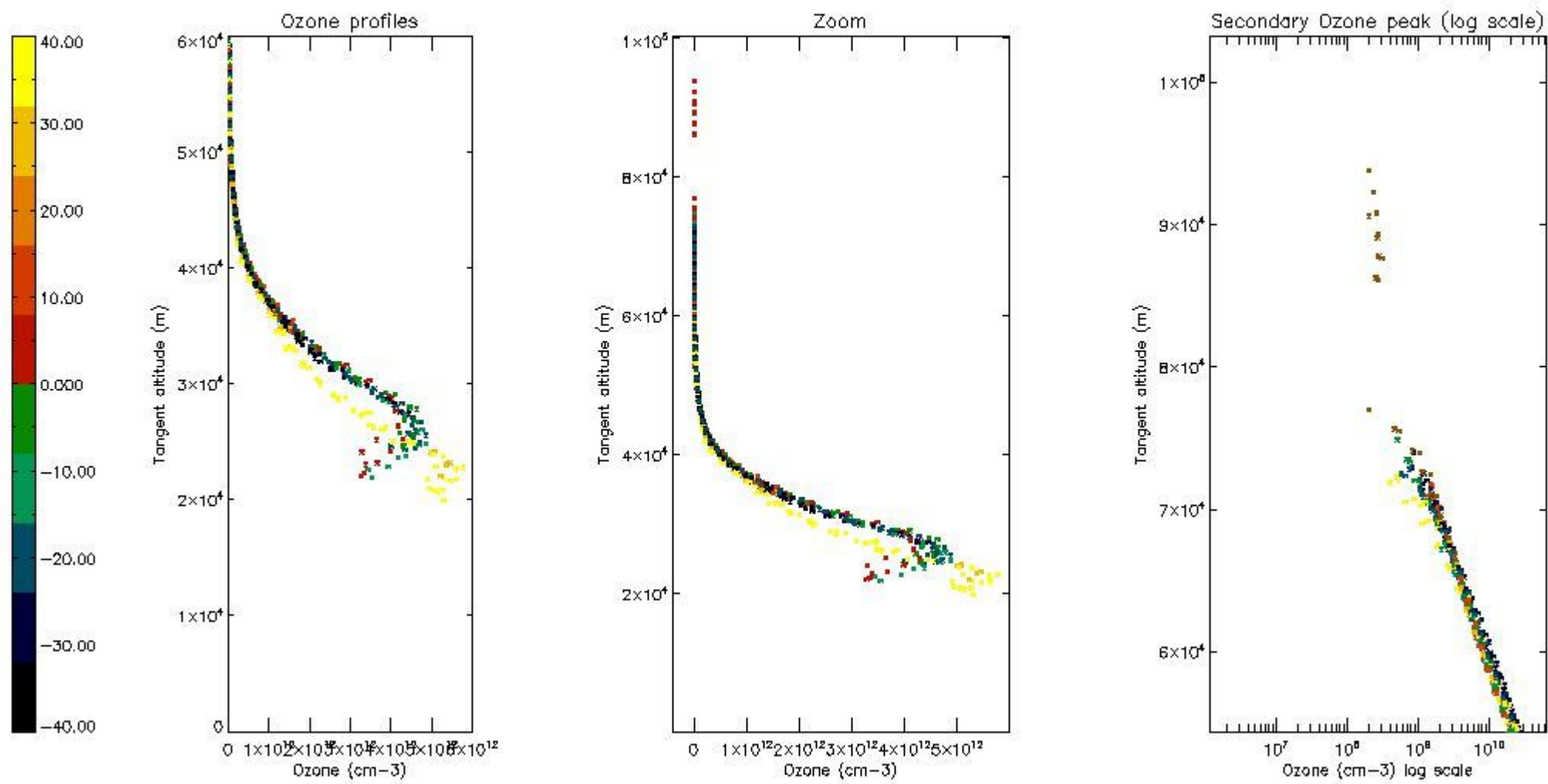
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



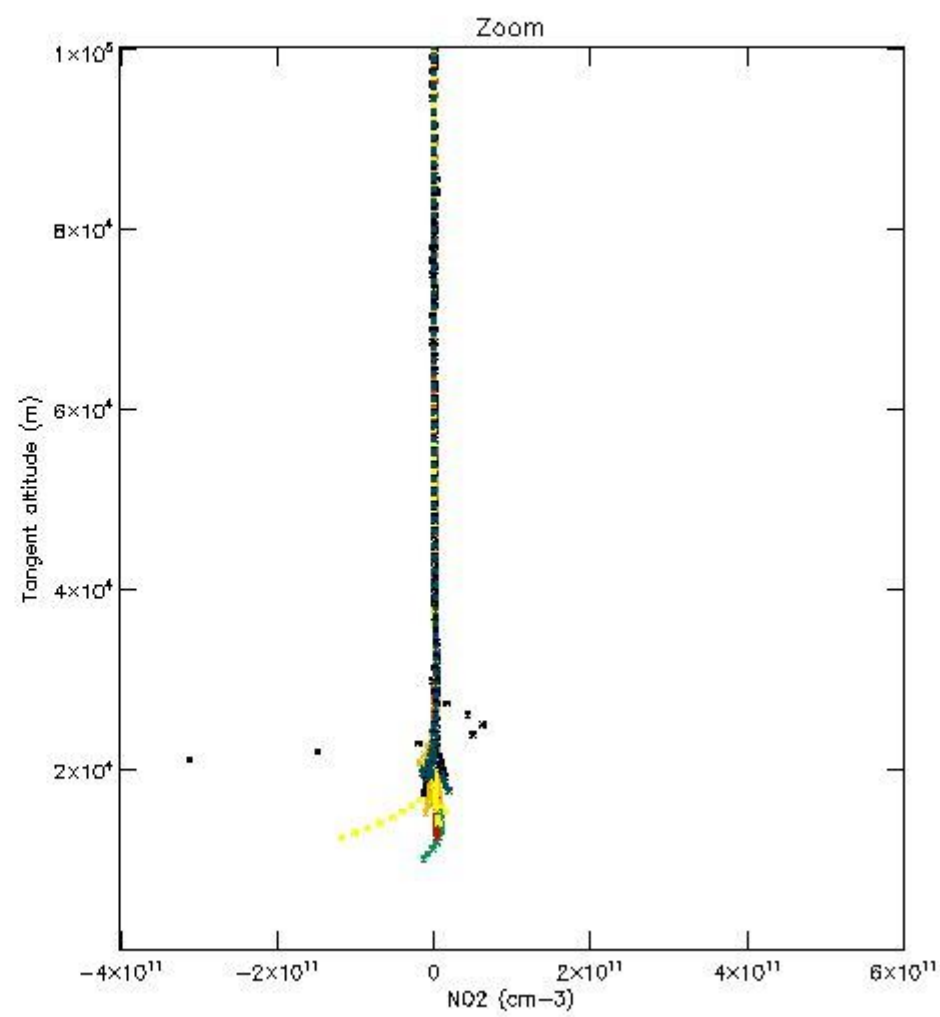
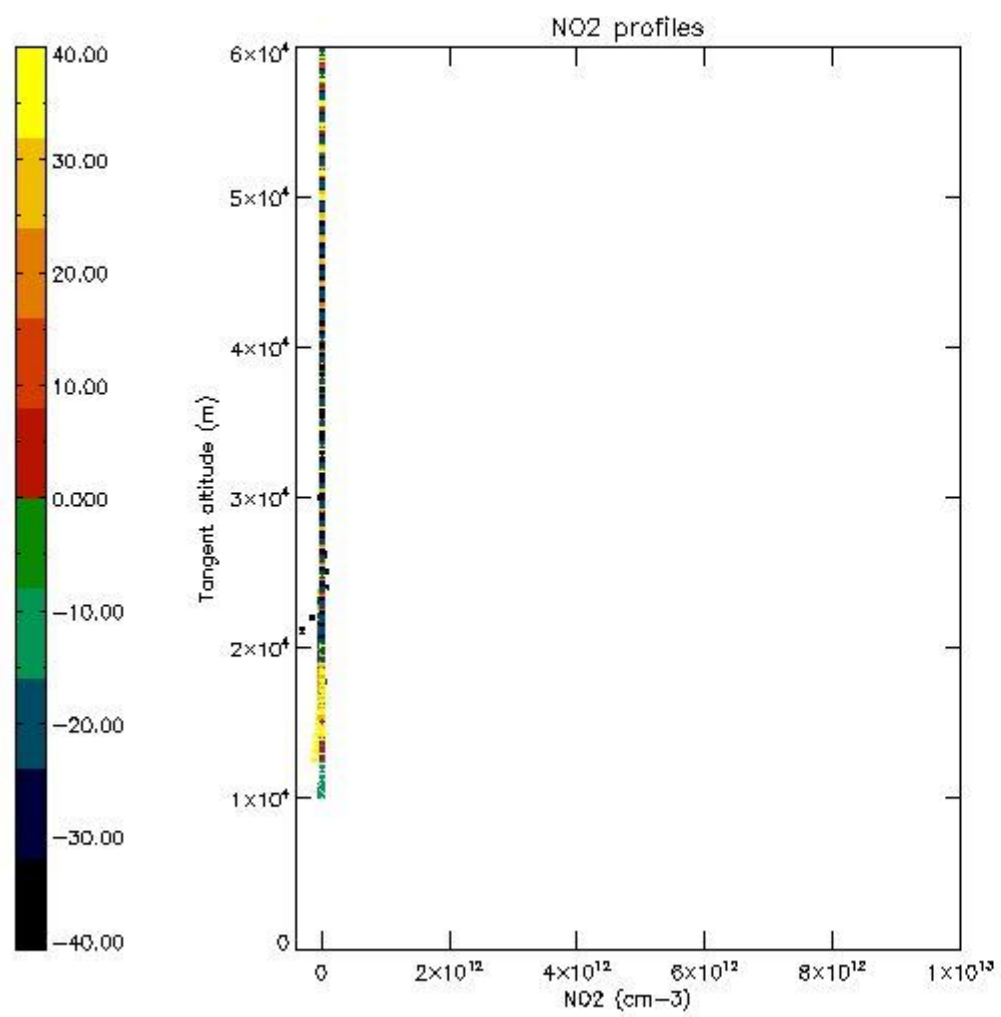
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



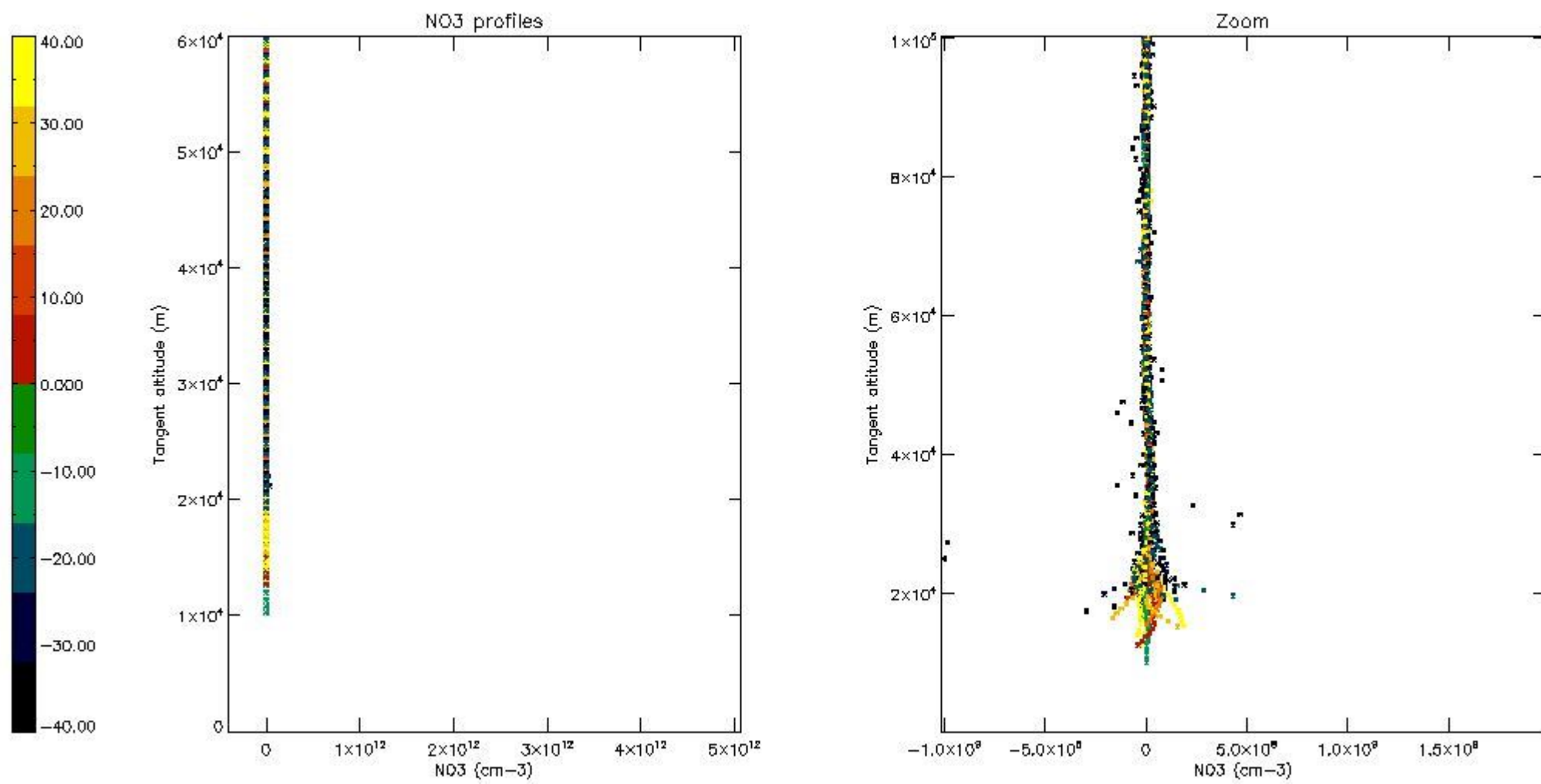
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



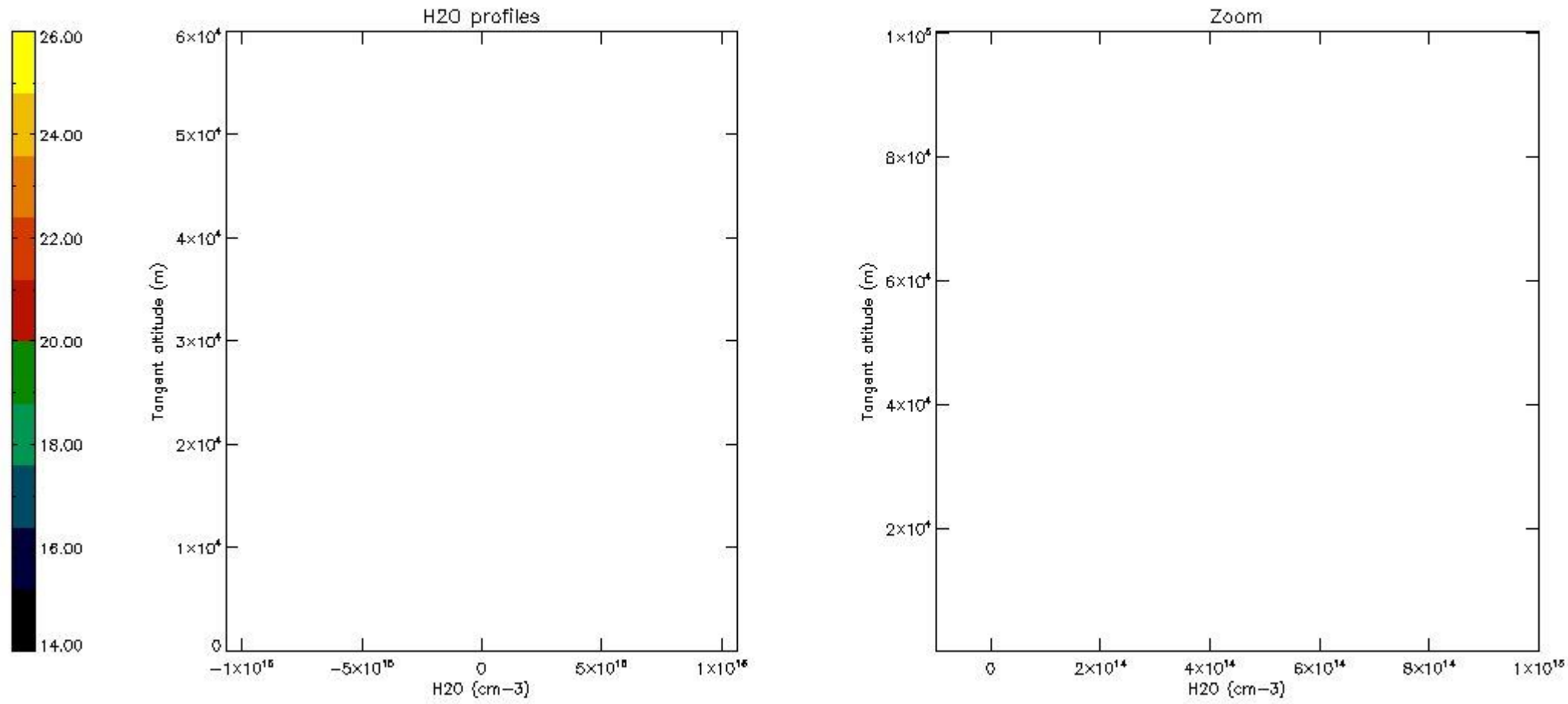
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

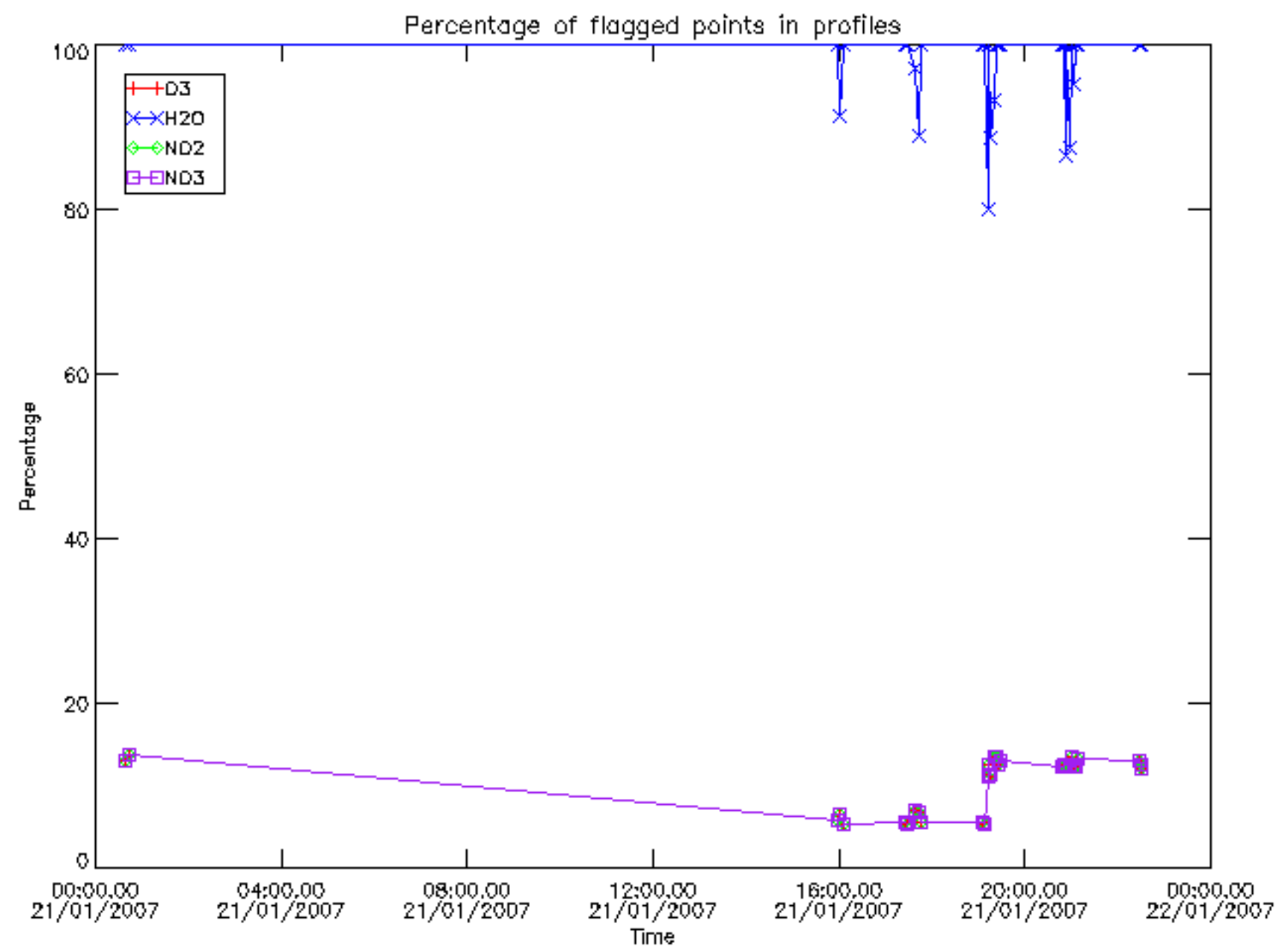
The colorbar represents the latitude.



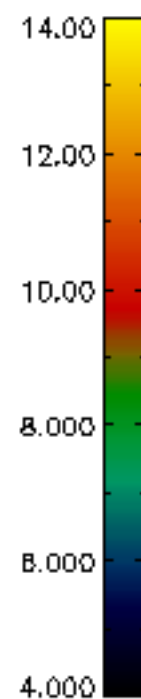
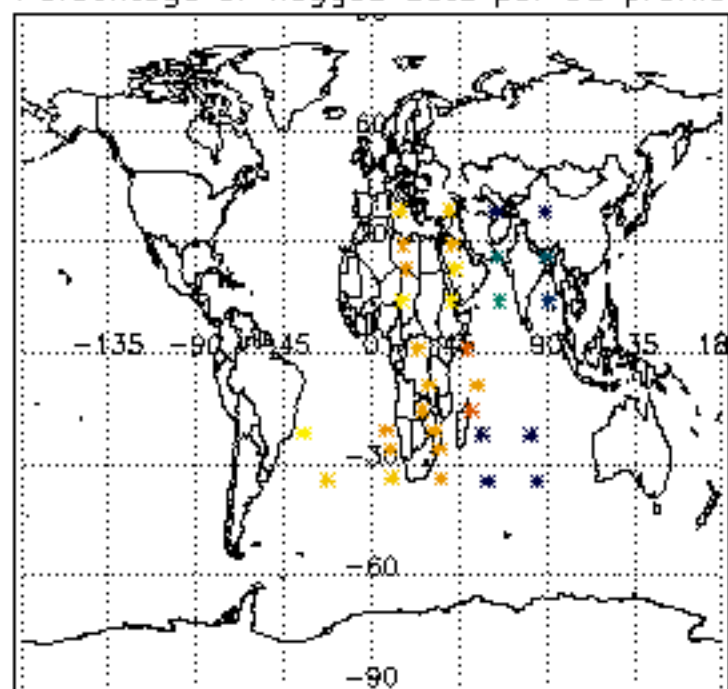
6. Auxiliary Data Files used for the production reported in section 2

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.

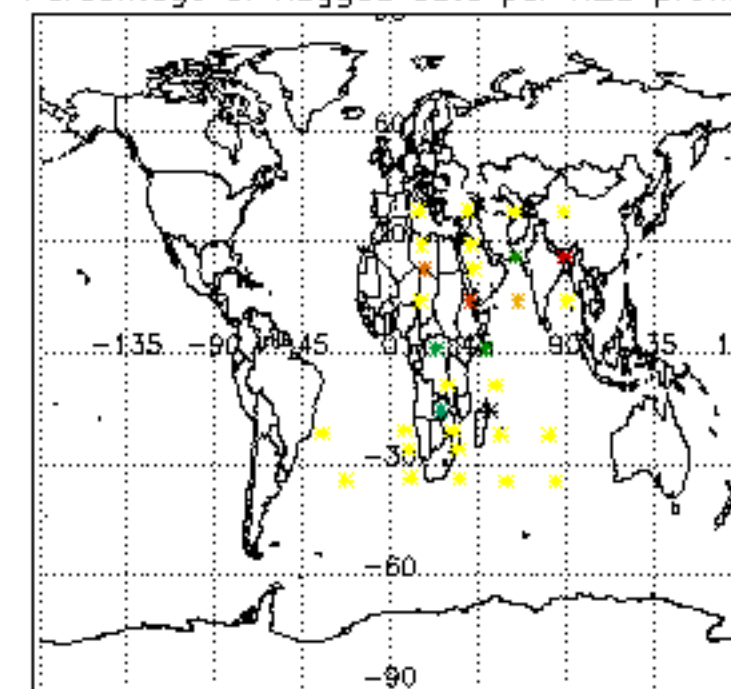
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	21-JAN-2007 00:10:48
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	21-JAN-2007 00:10:48
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	21-JAN-2007 00:10:48



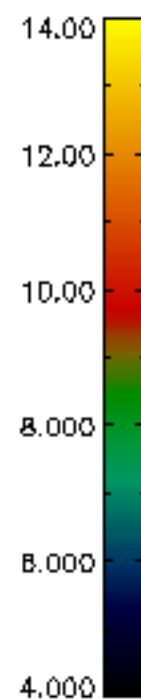
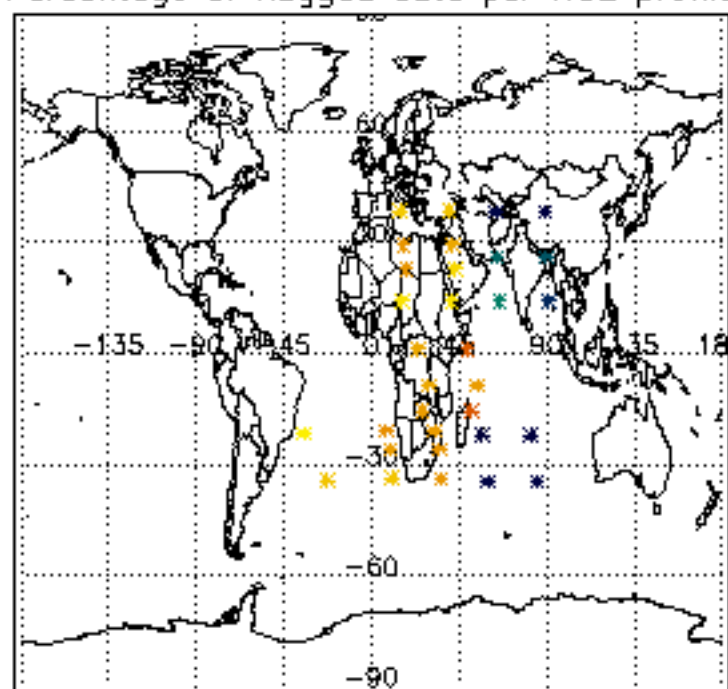
Percentage of flagged data per D3 profile



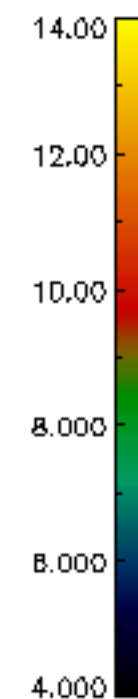
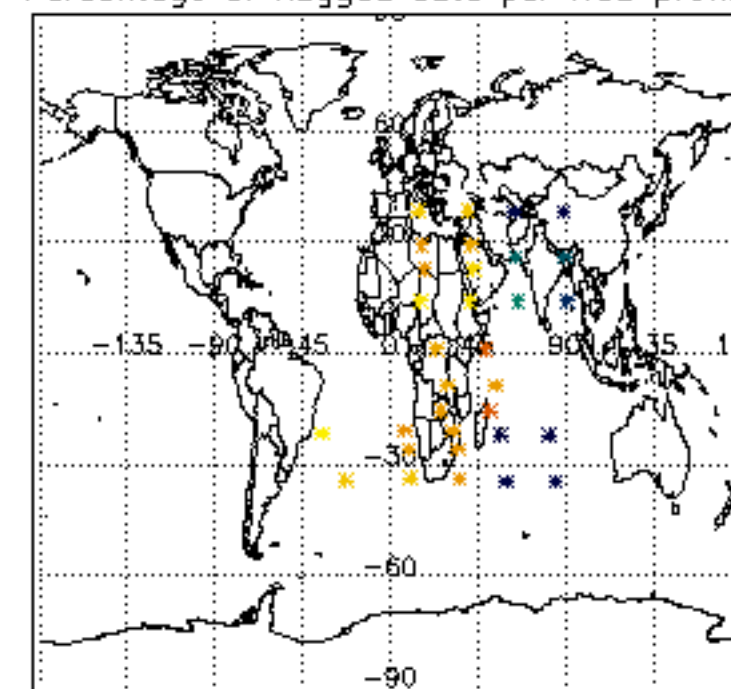
Percentage of flagged data per H2O profile

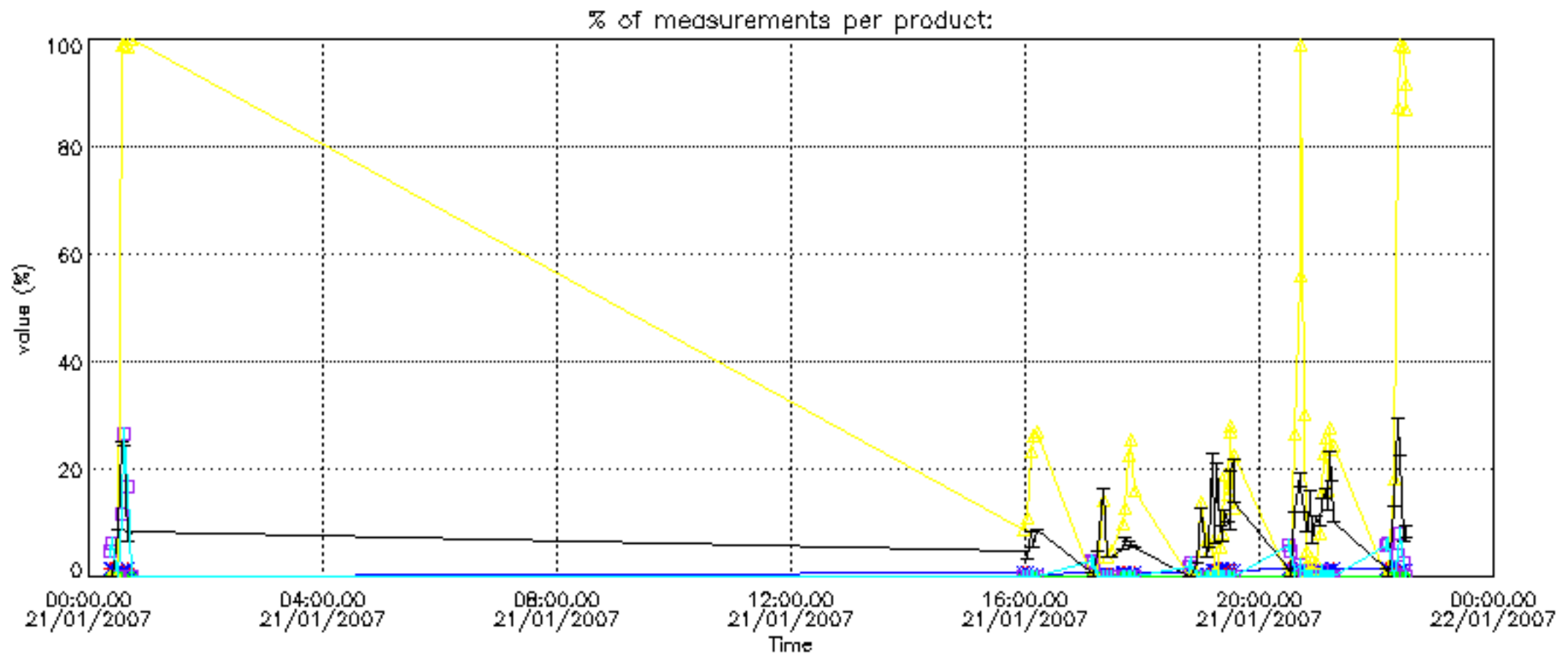


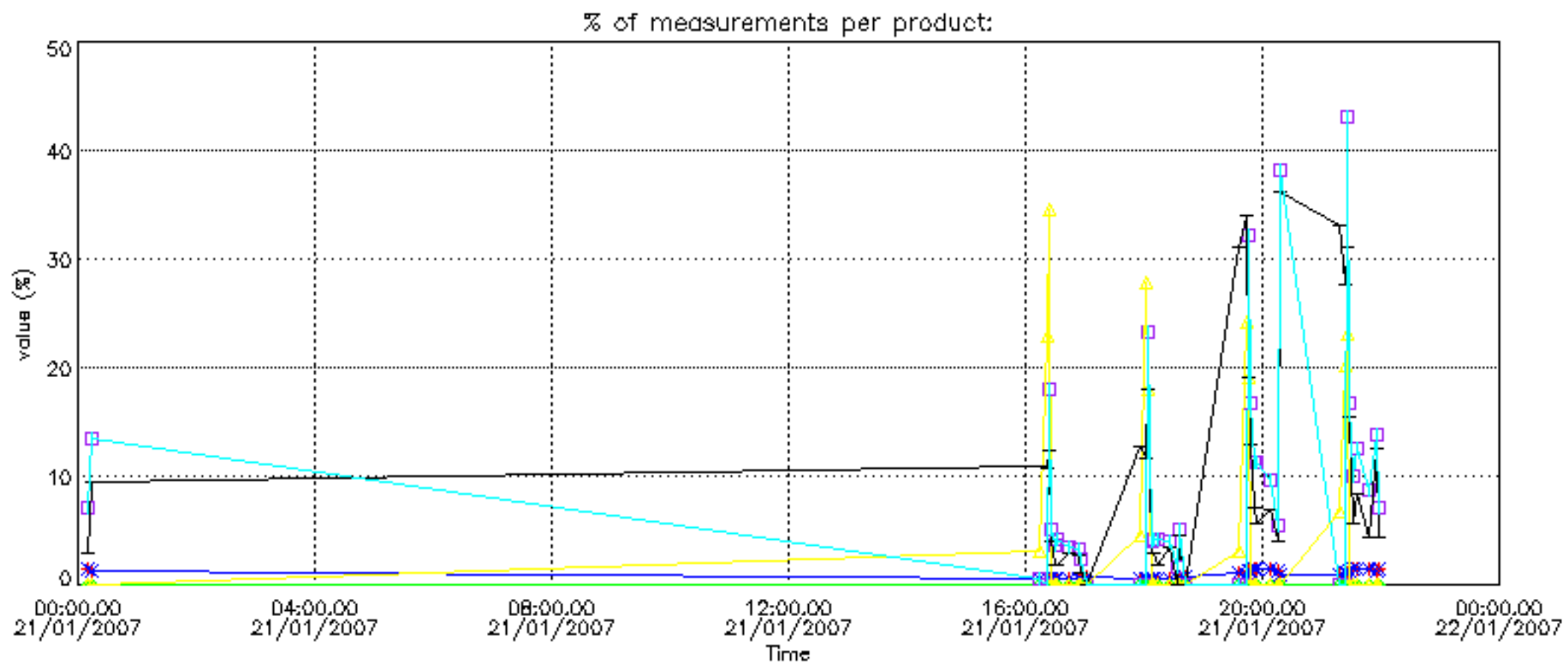
Percentage of flagged data per NO2 profile



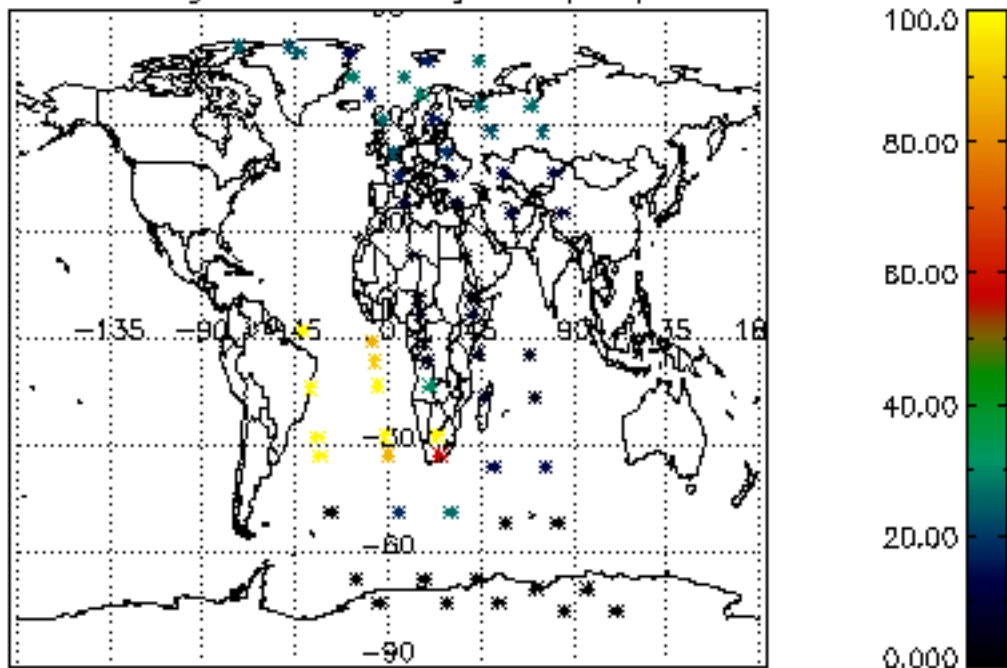
Percentage of flagged data per NO3 profile



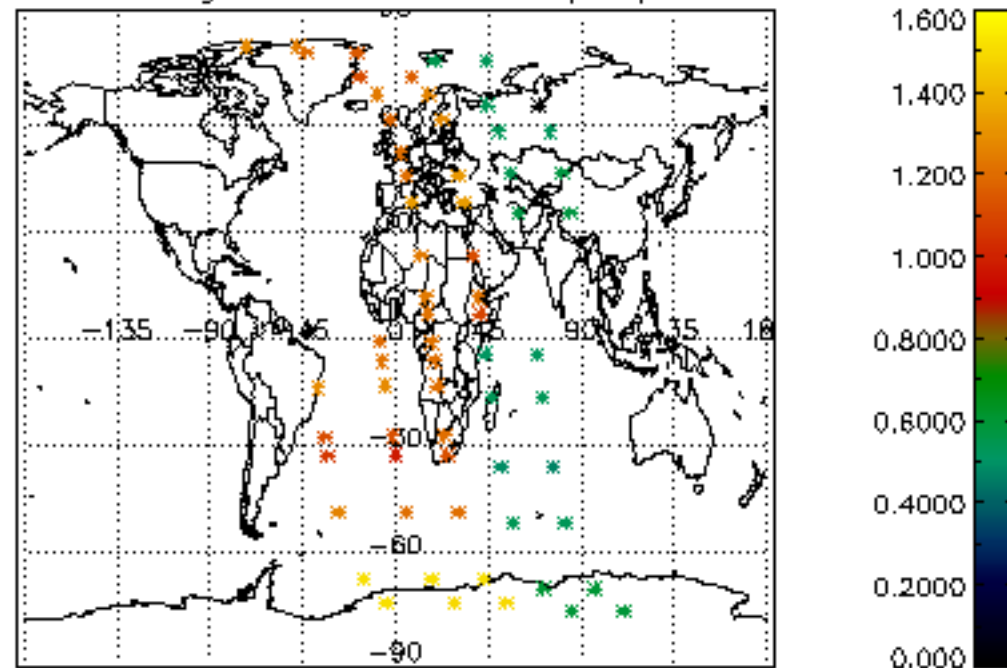




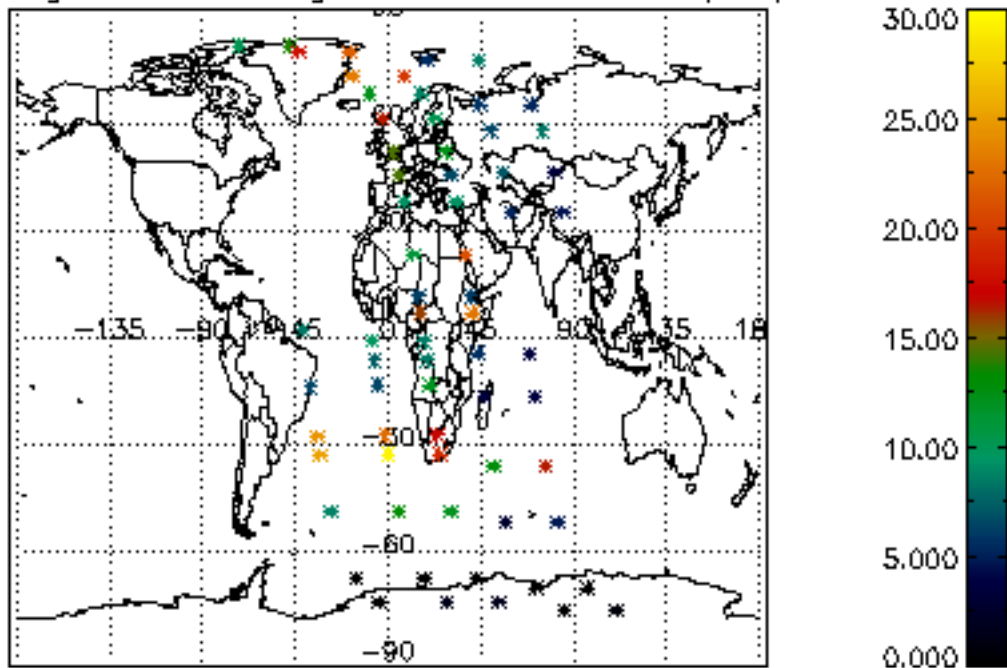
Percentage of cosmic ray hits per profile



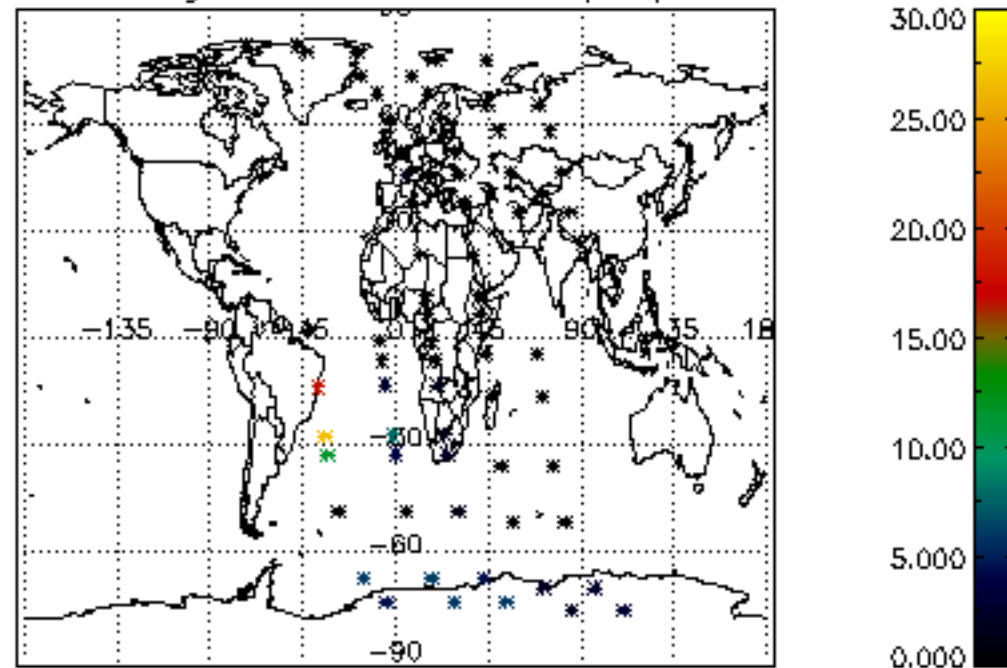
Percentage of datation errors per profile



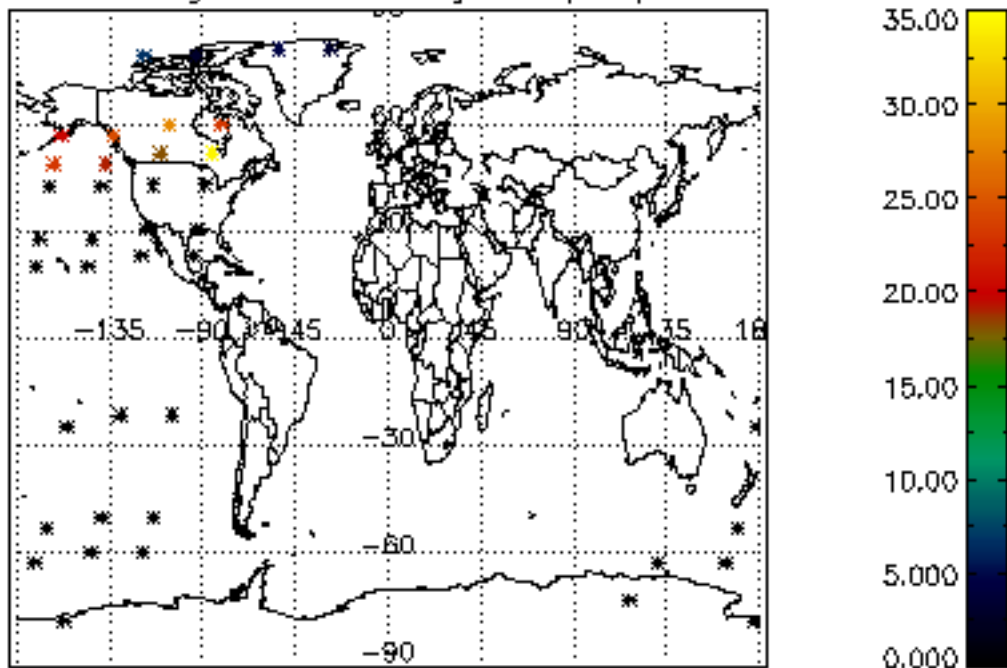
Percentage of star falling outside central band per profile



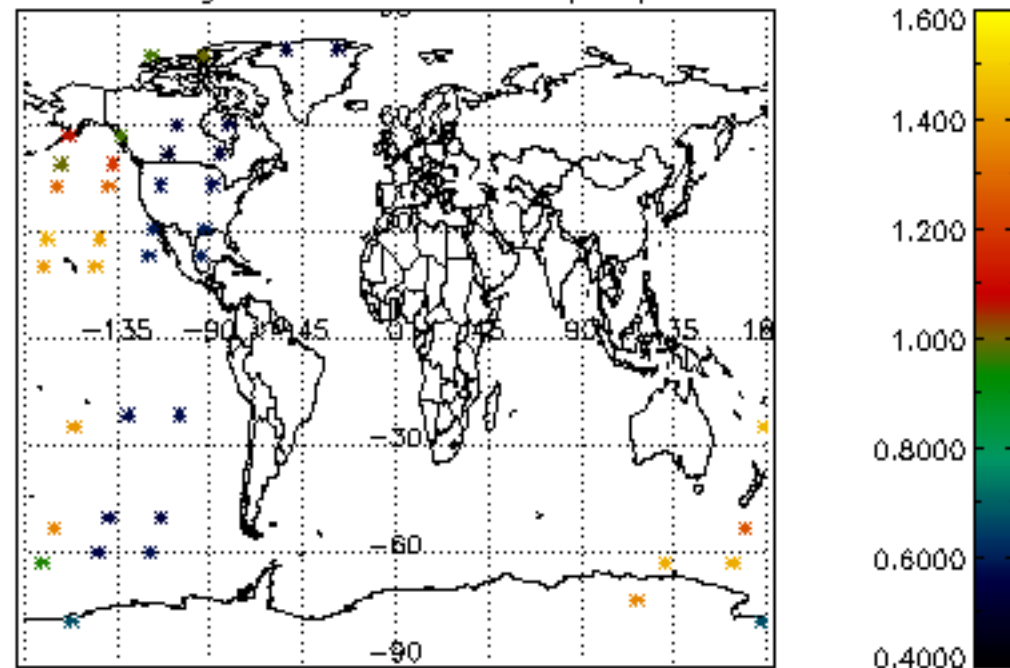
Percentage of saturation errors per profile



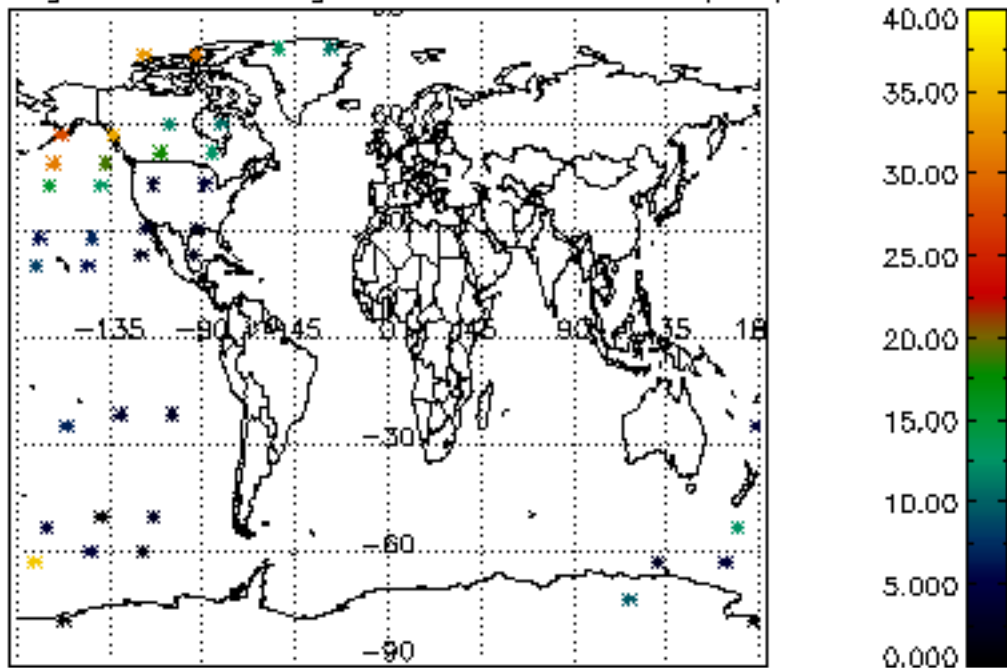
Percentage of cosmic ray hits per profile



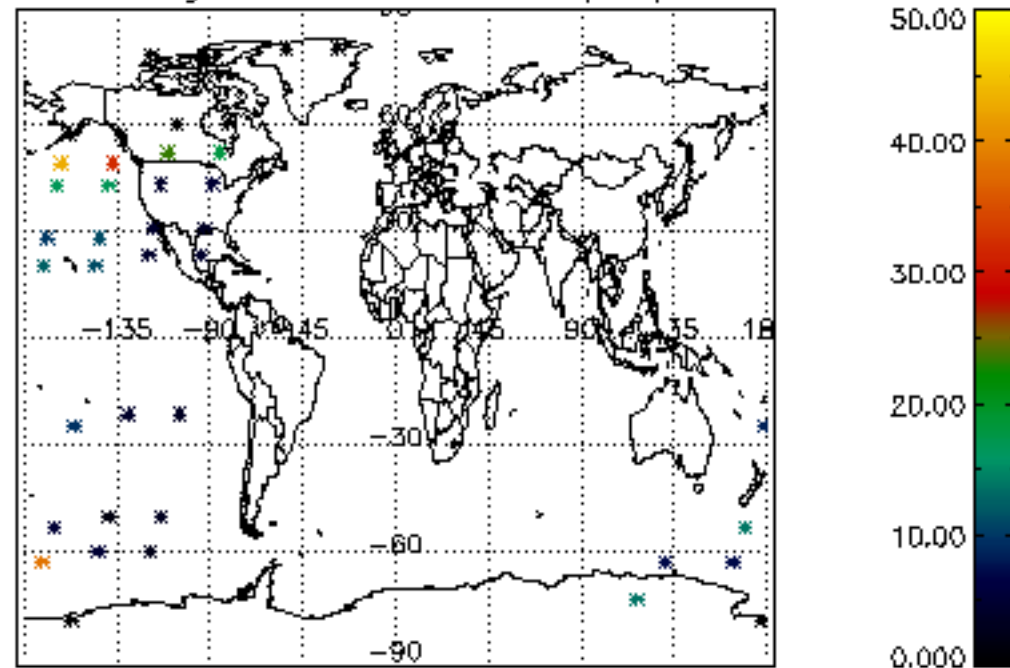
Percentage of datation errors per profile

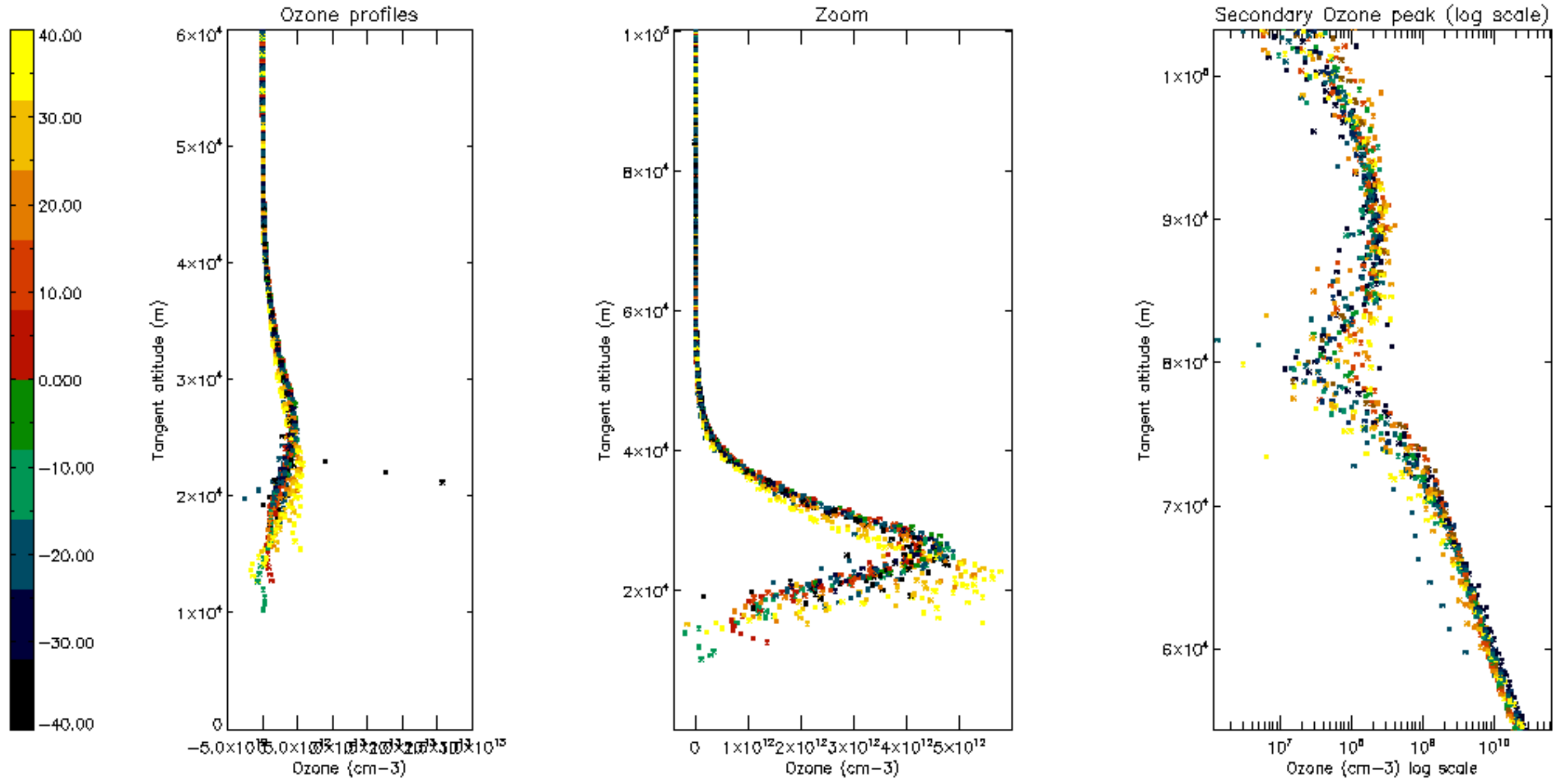


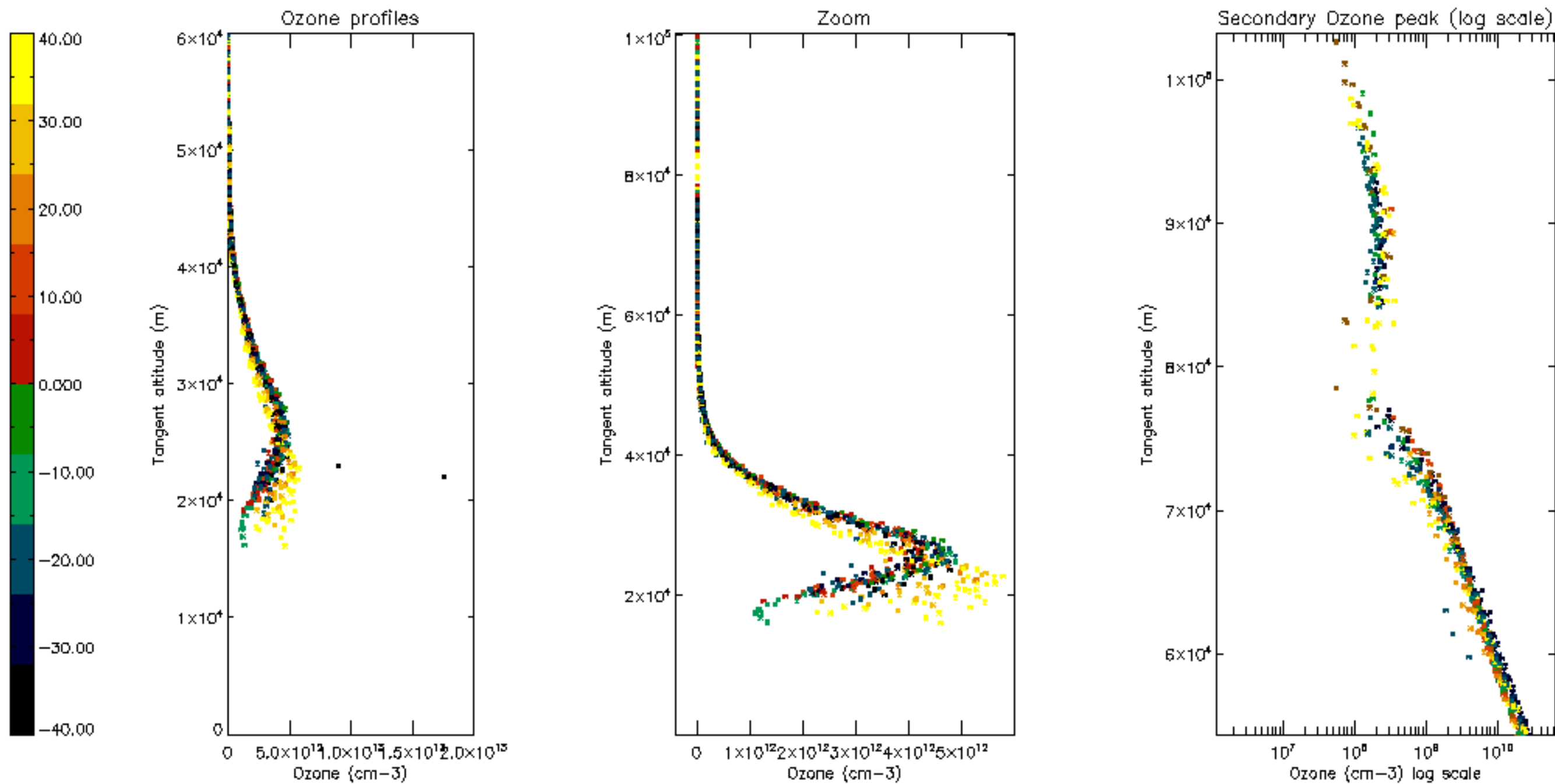
Percentage of star falling outside central band per profile

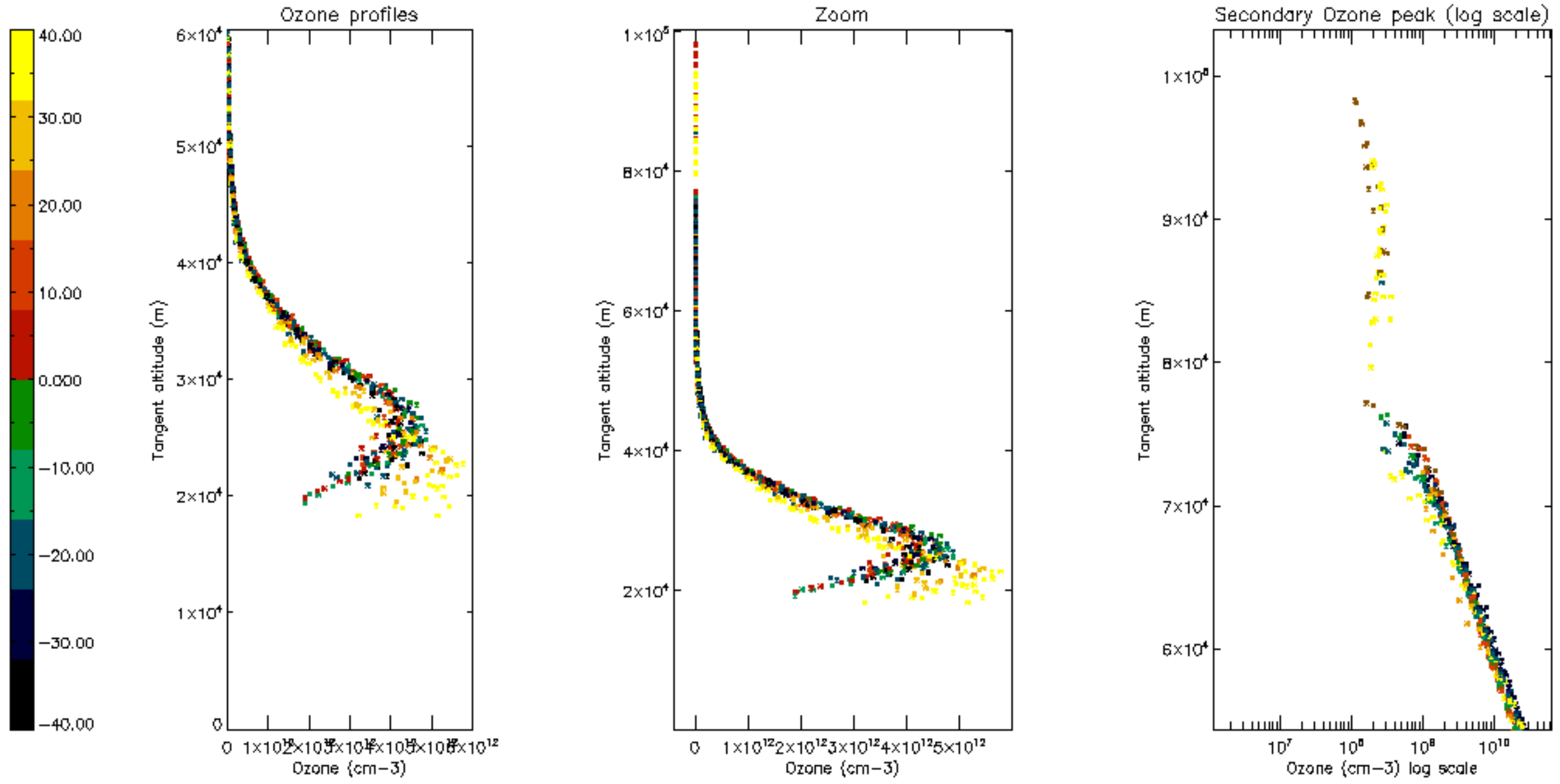


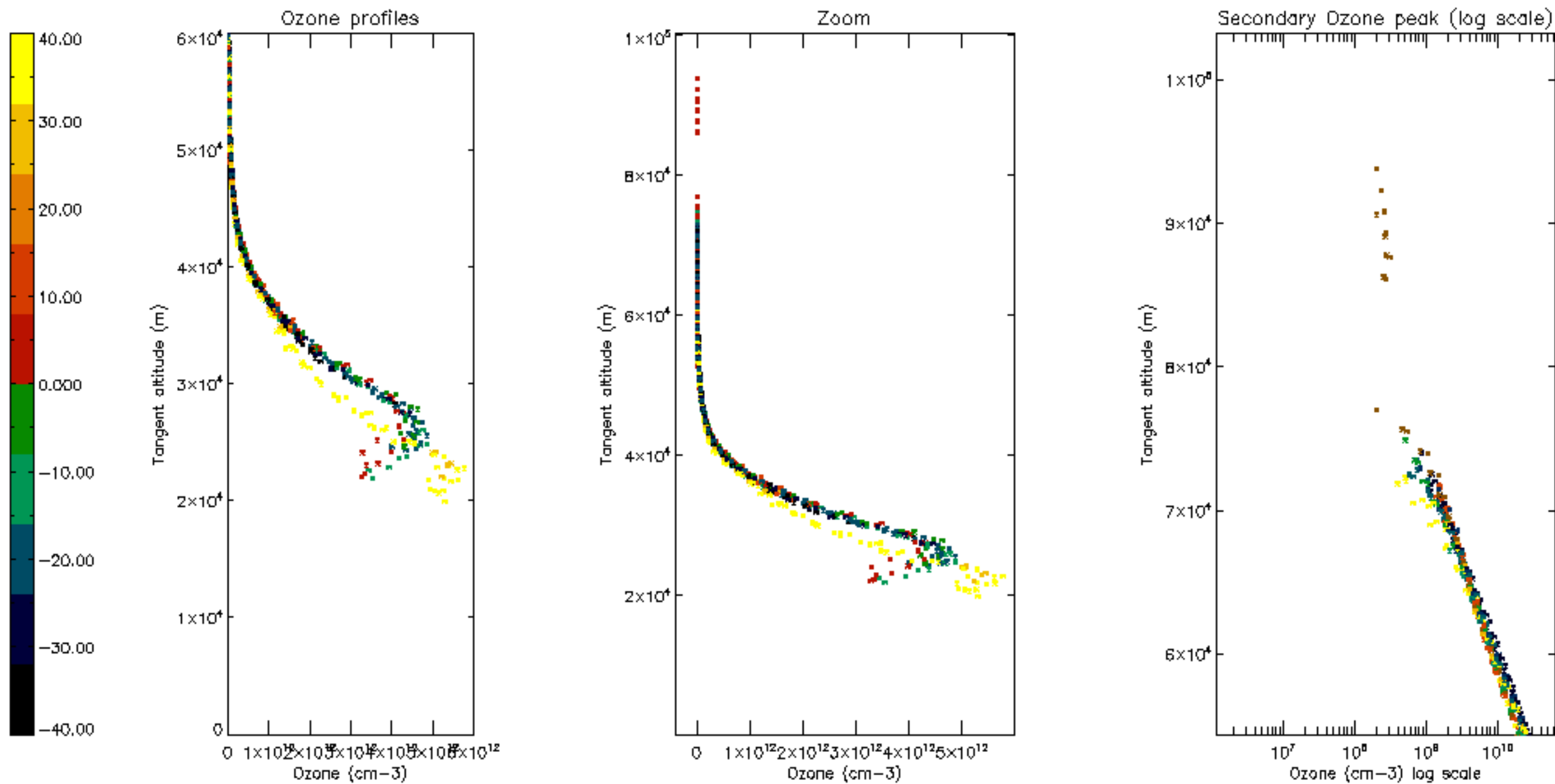
Percentage of saturation errors per profile

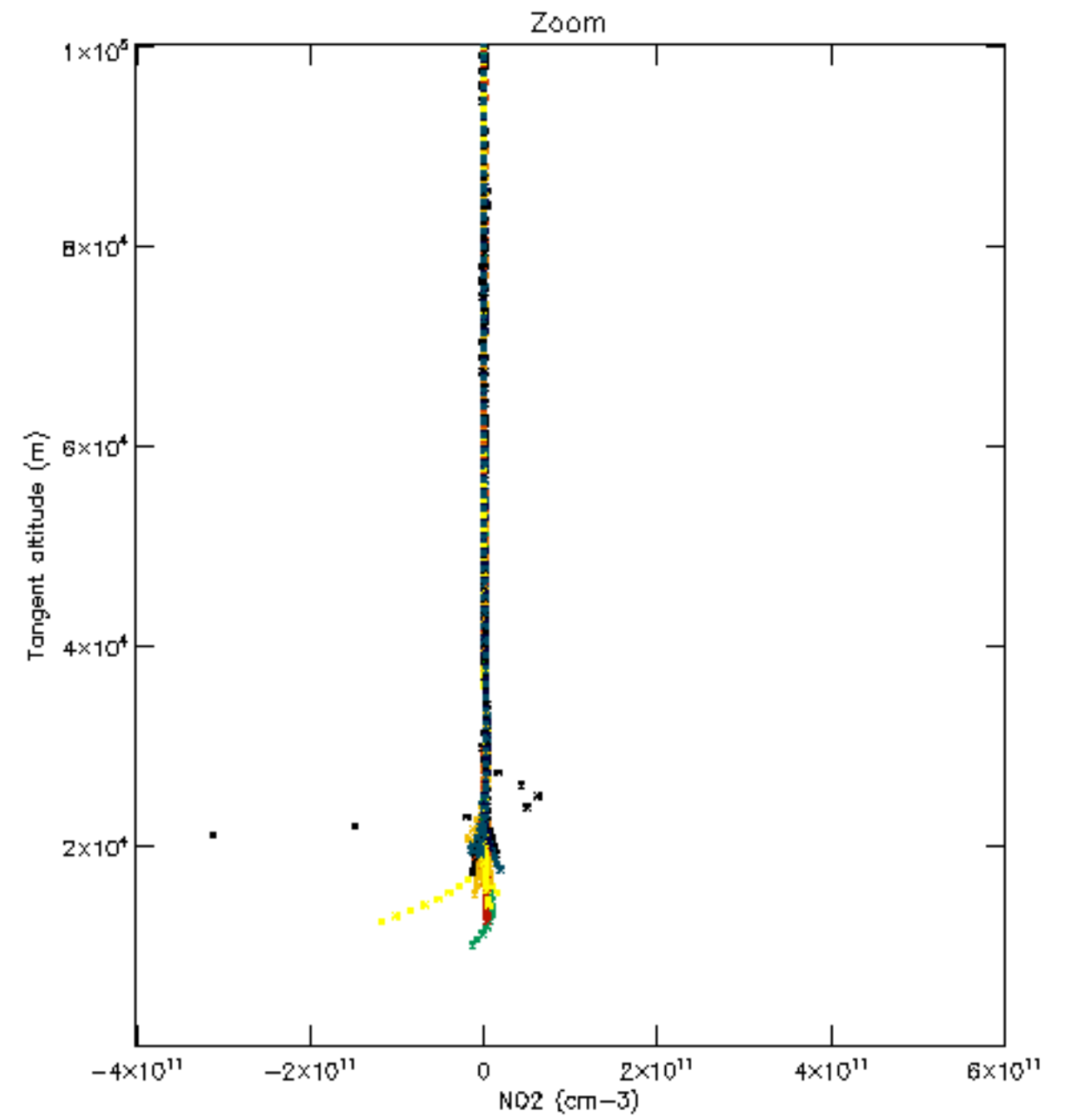
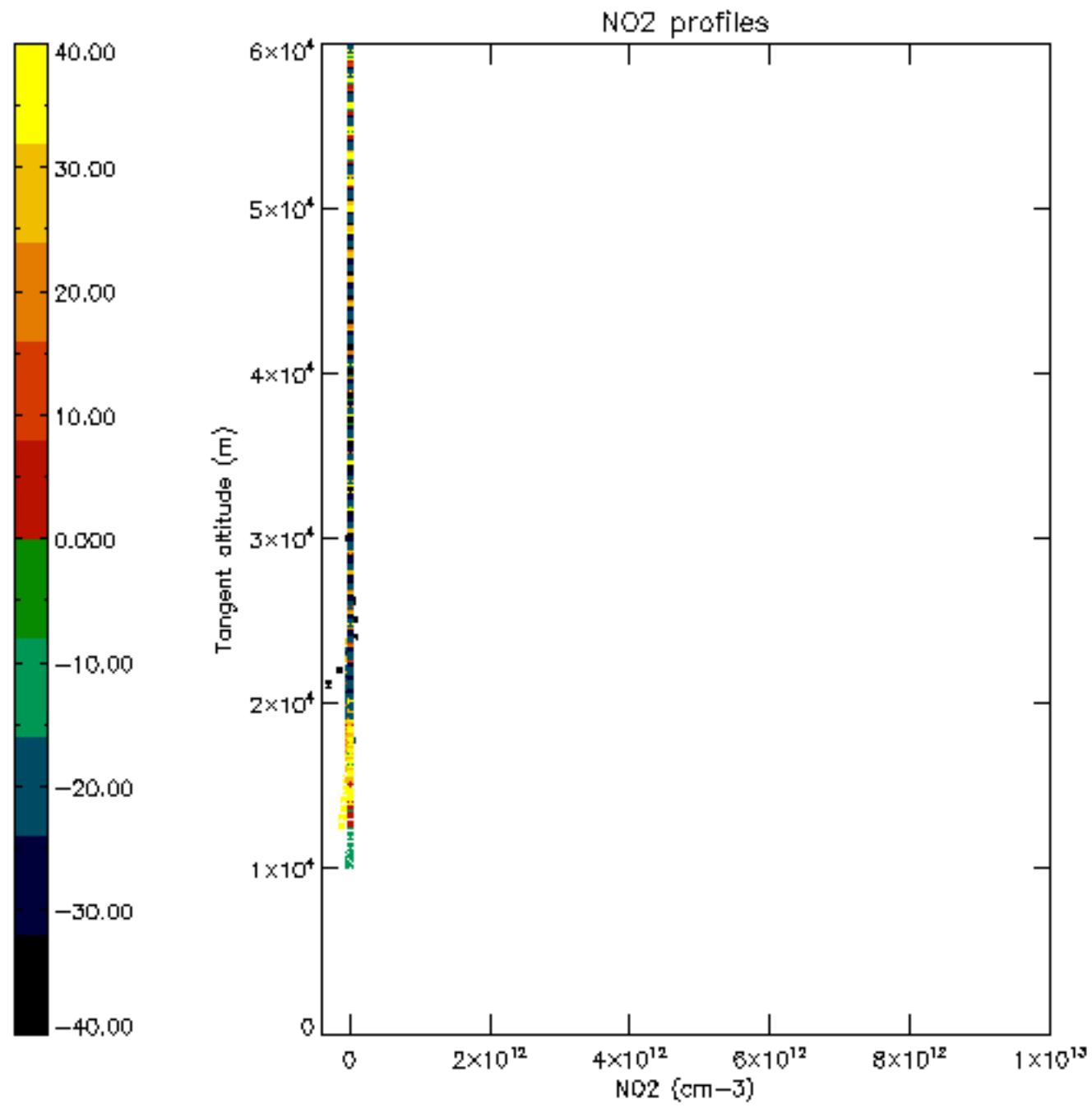


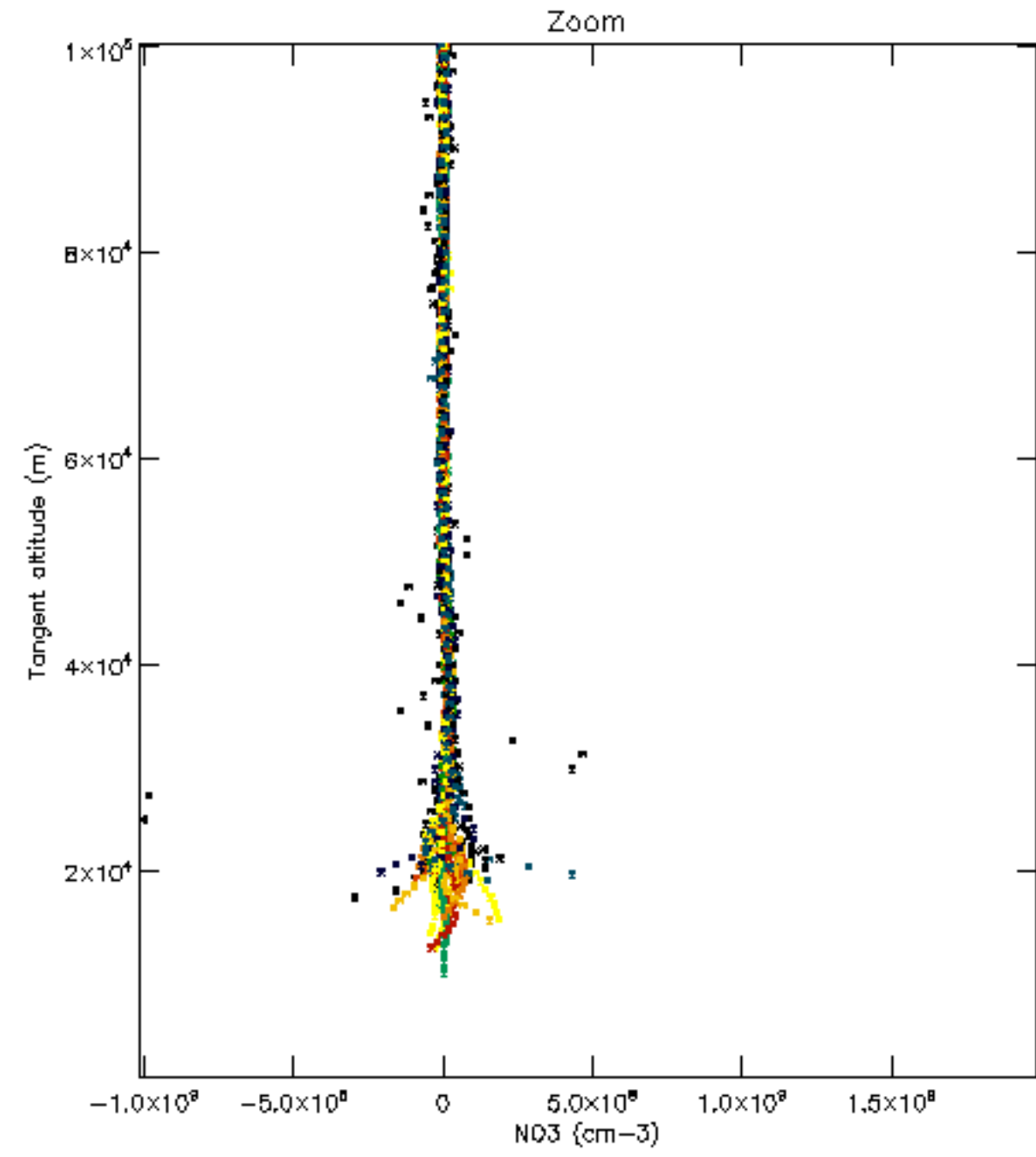
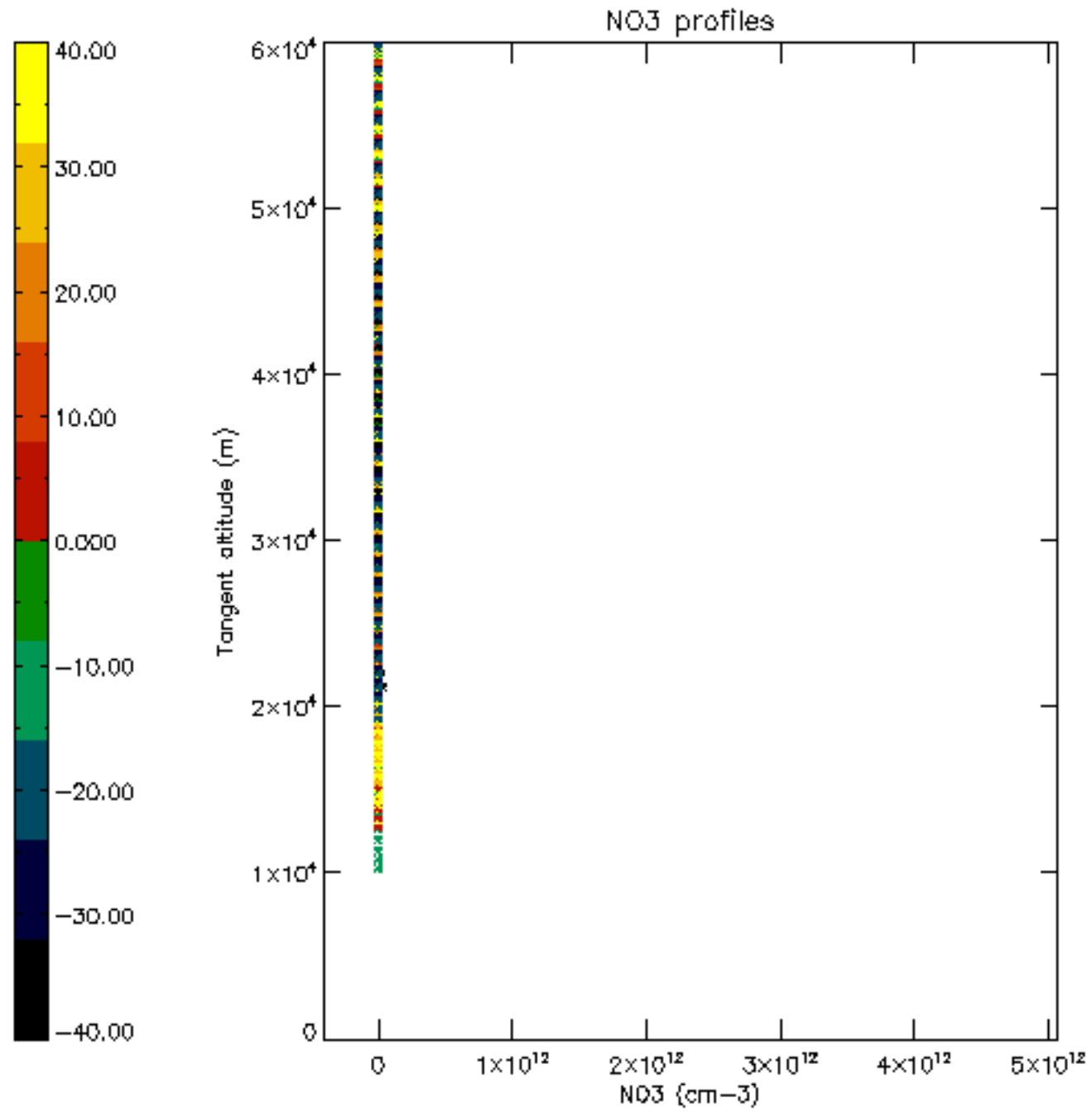


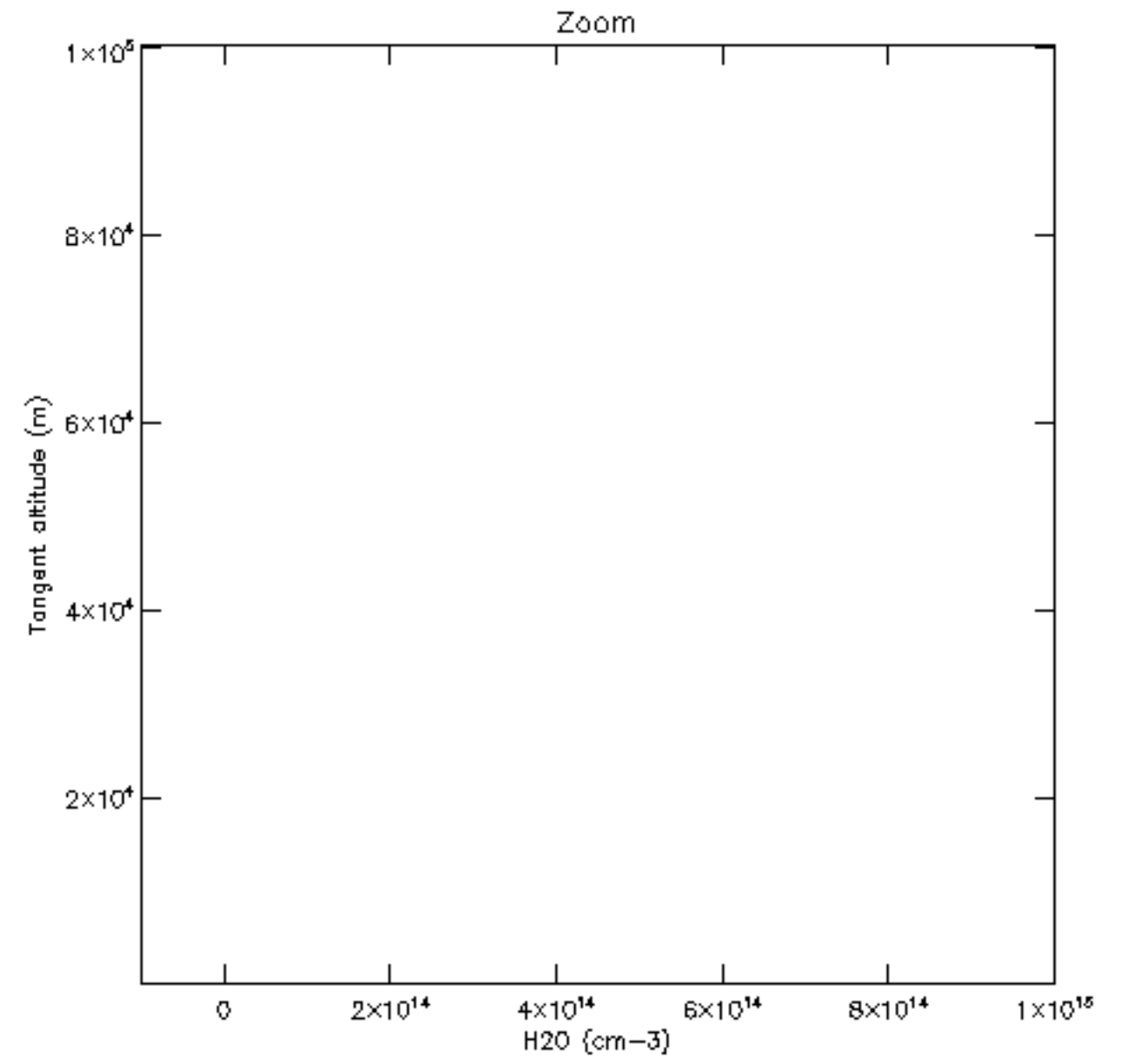
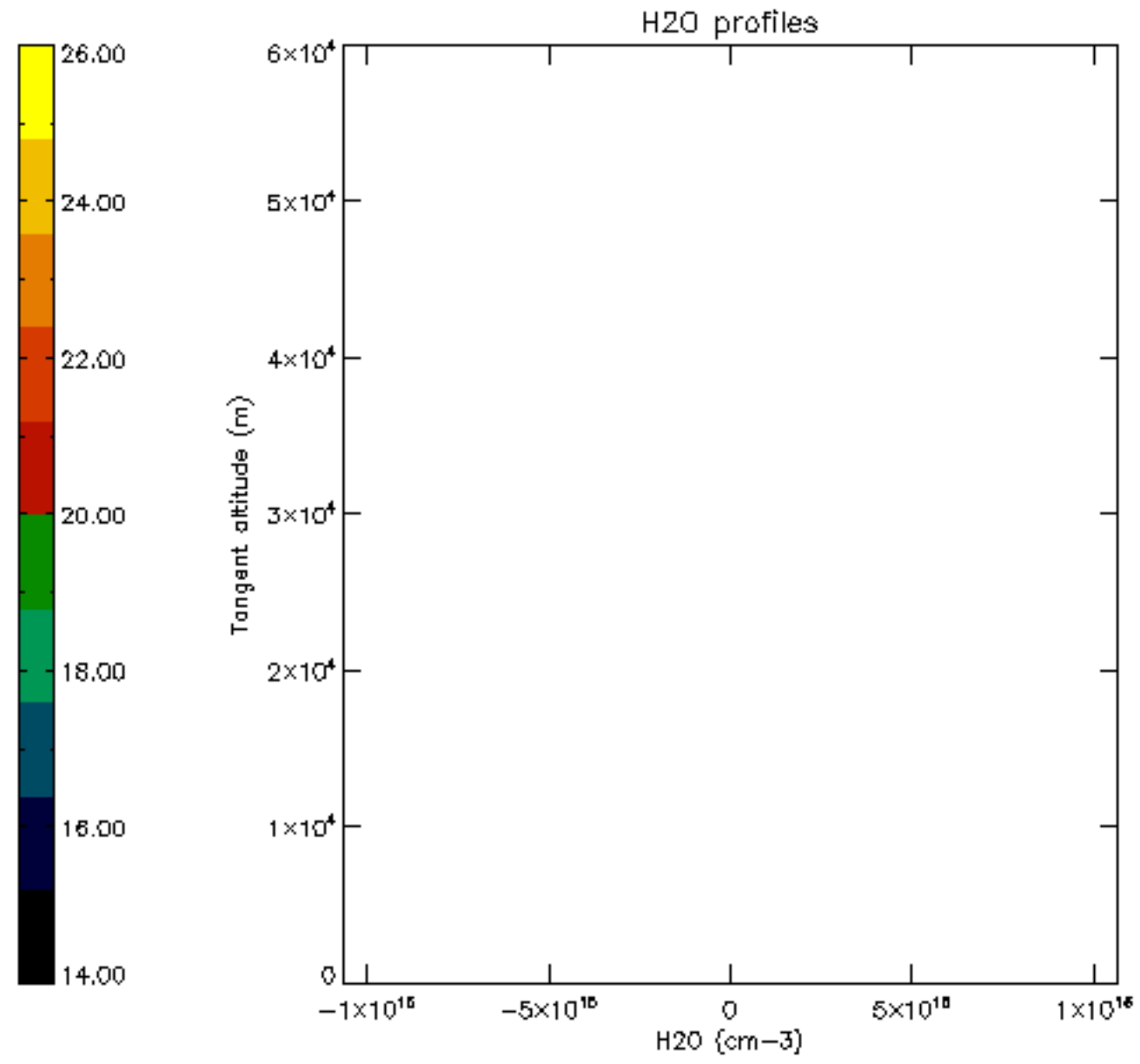


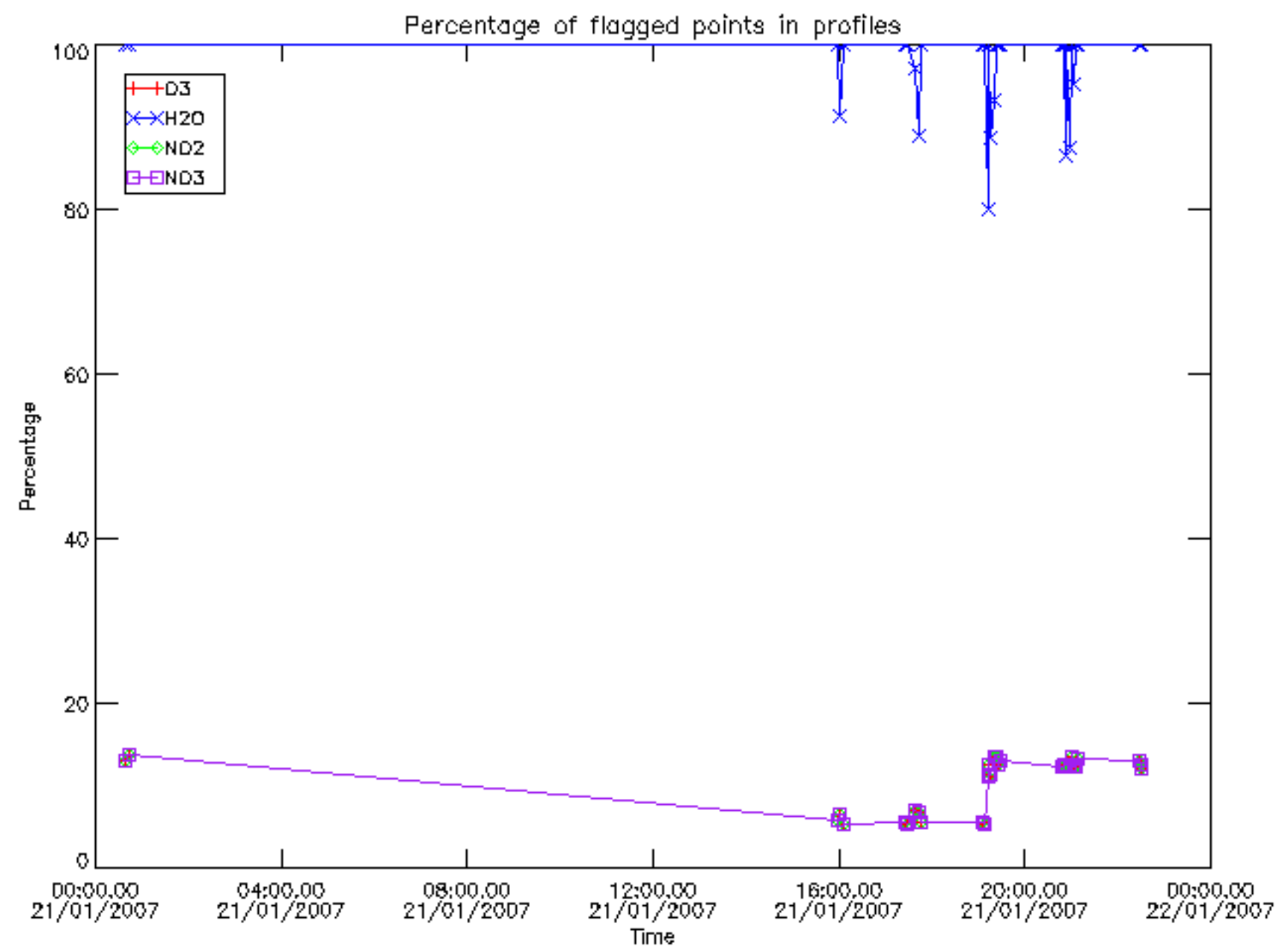




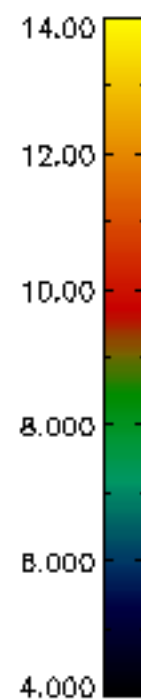
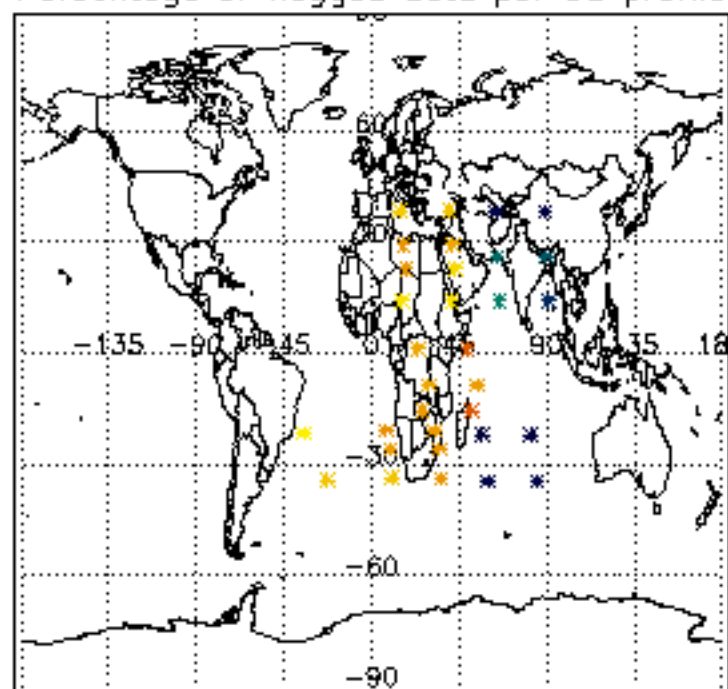




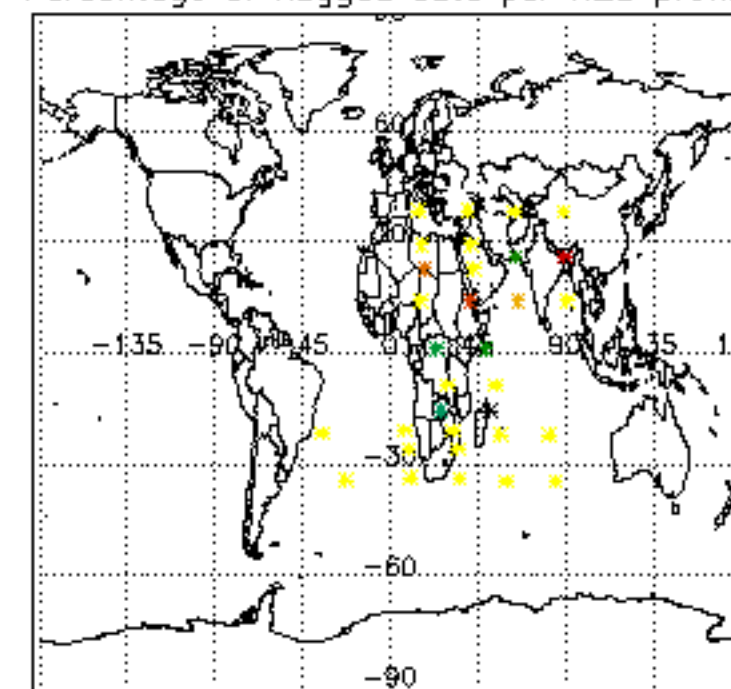




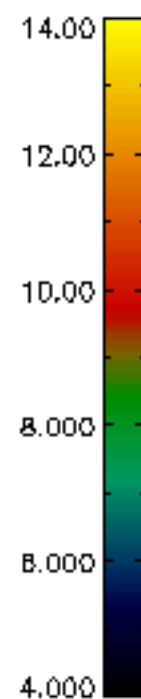
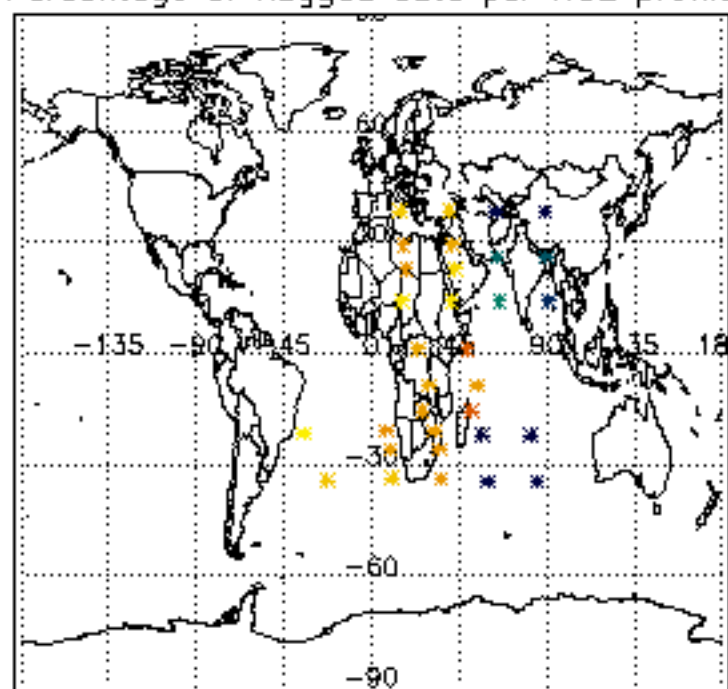
Percentage of flagged data per D3 profile



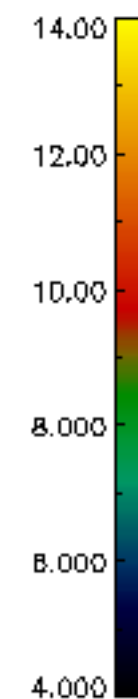
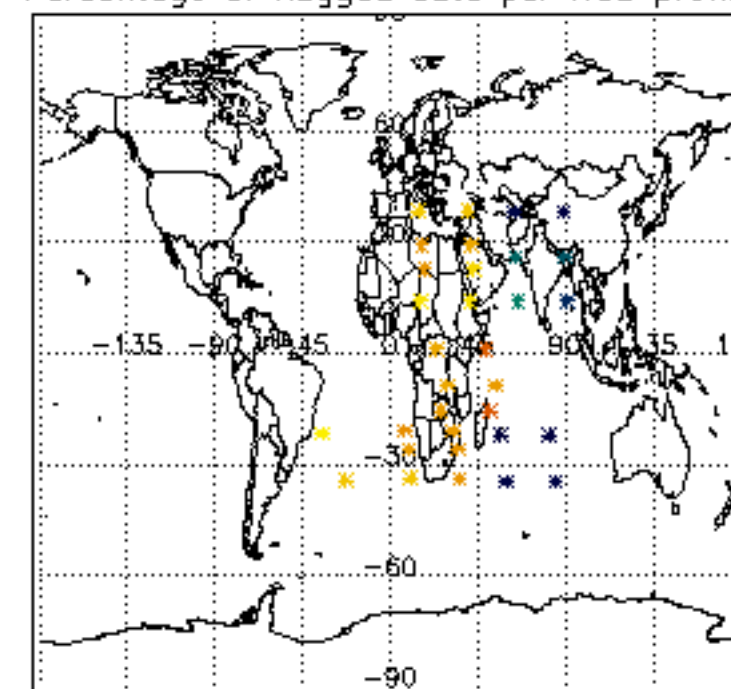
Percentage of flagged data per H2O profile

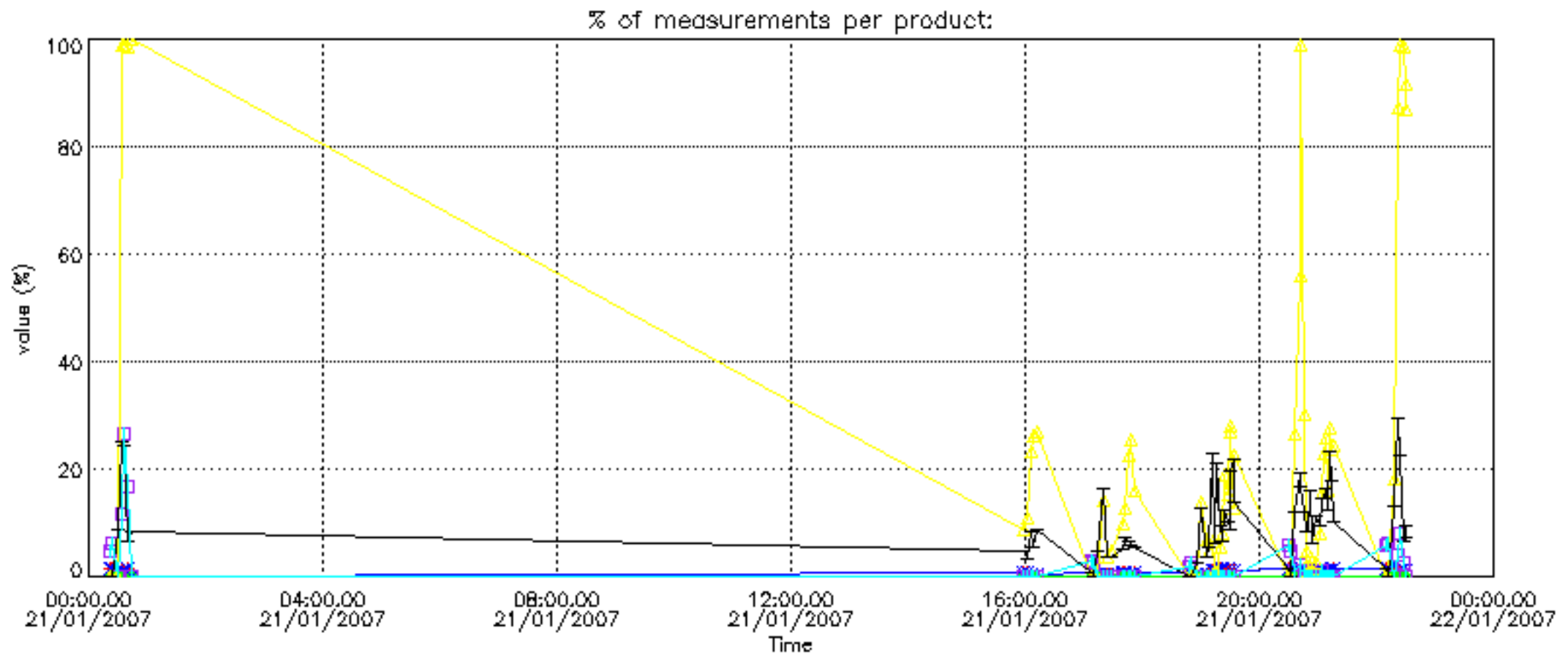


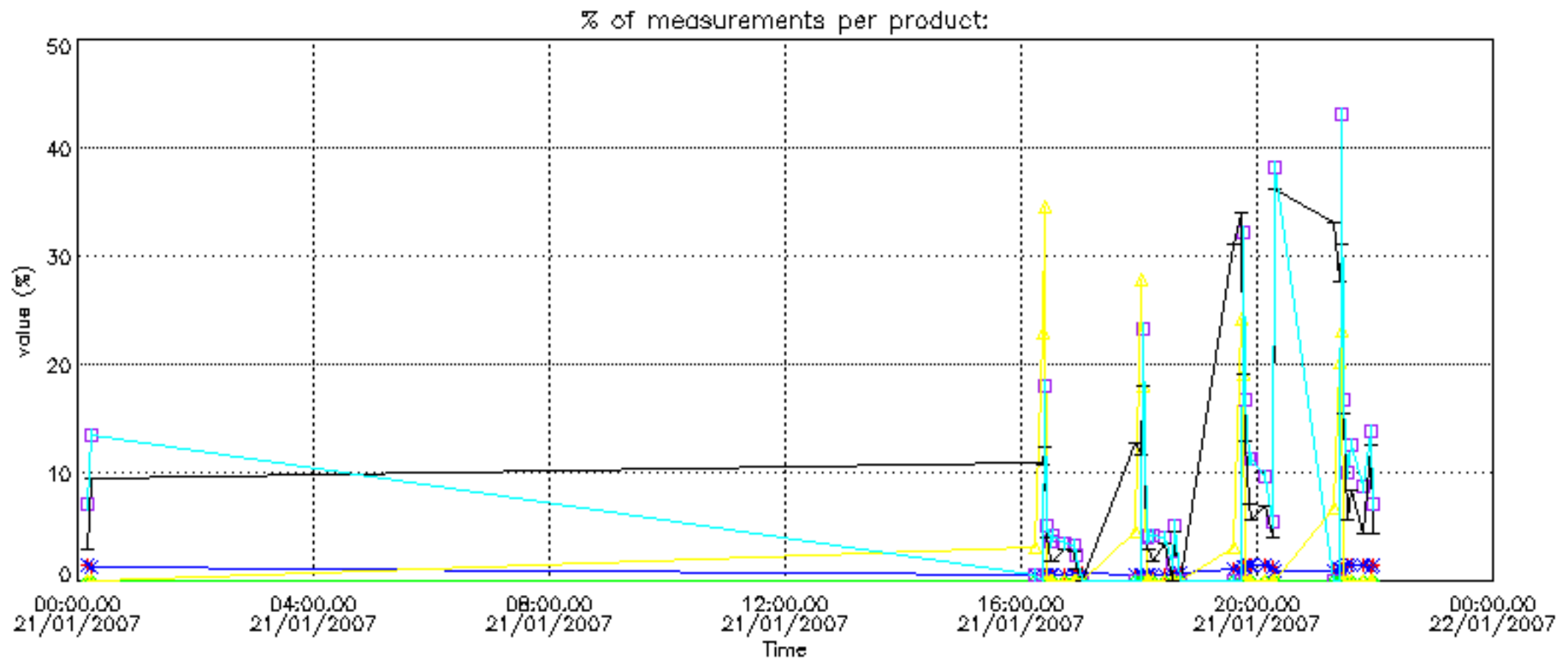
Percentage of flagged data per NO2 profile



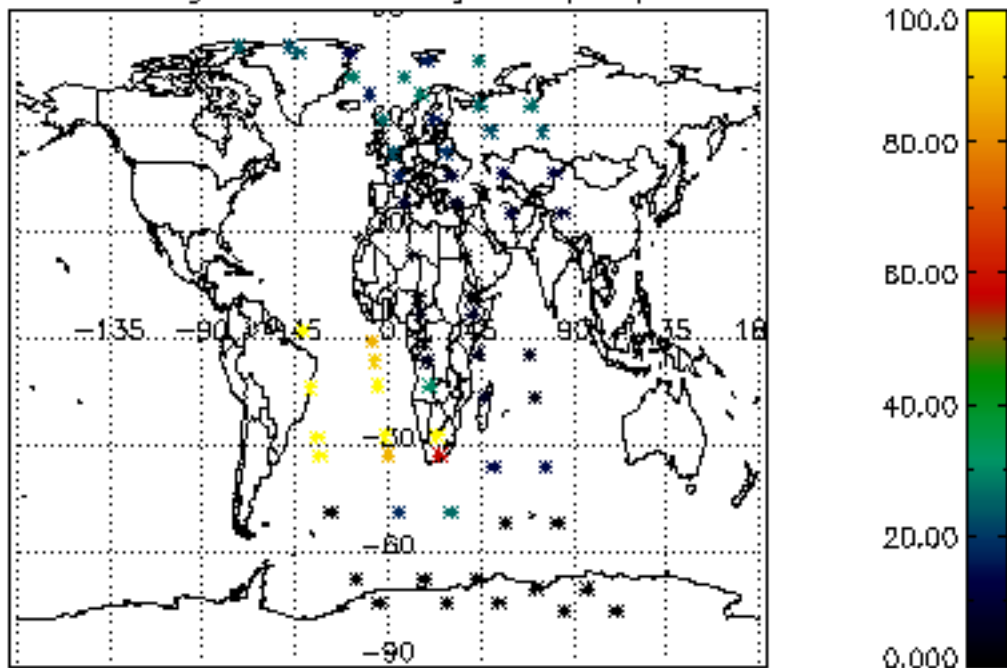
Percentage of flagged data per NO3 profile



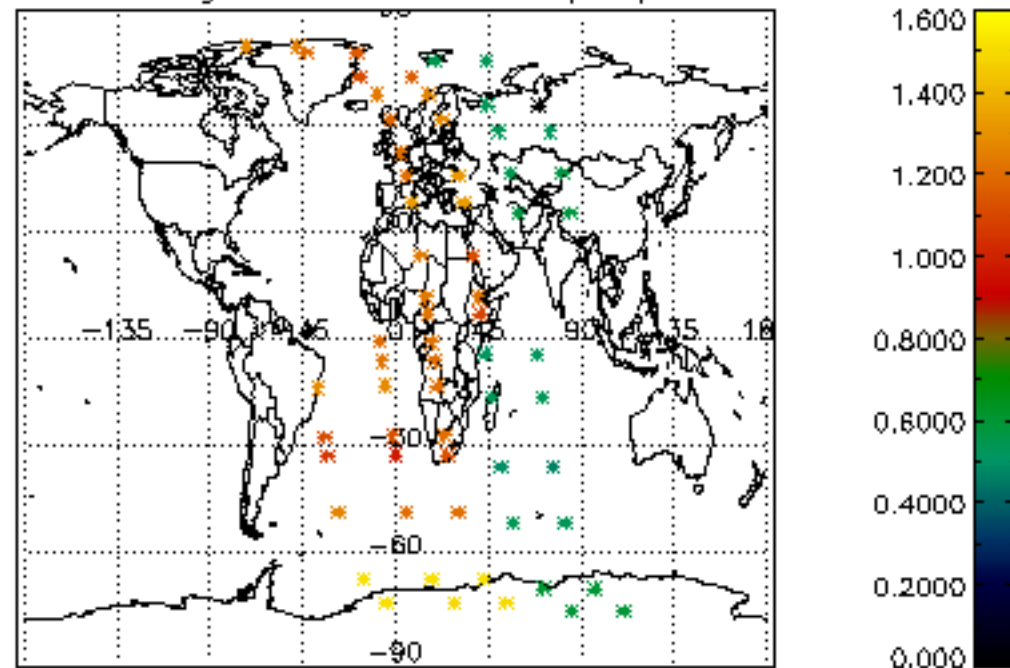




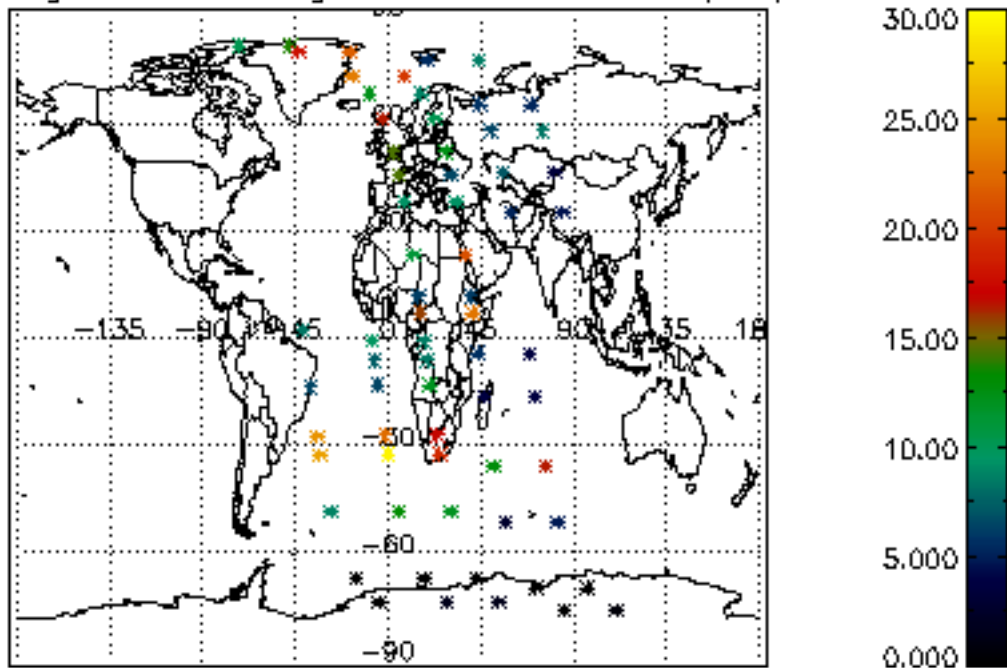
Percentage of cosmic ray hits per profile



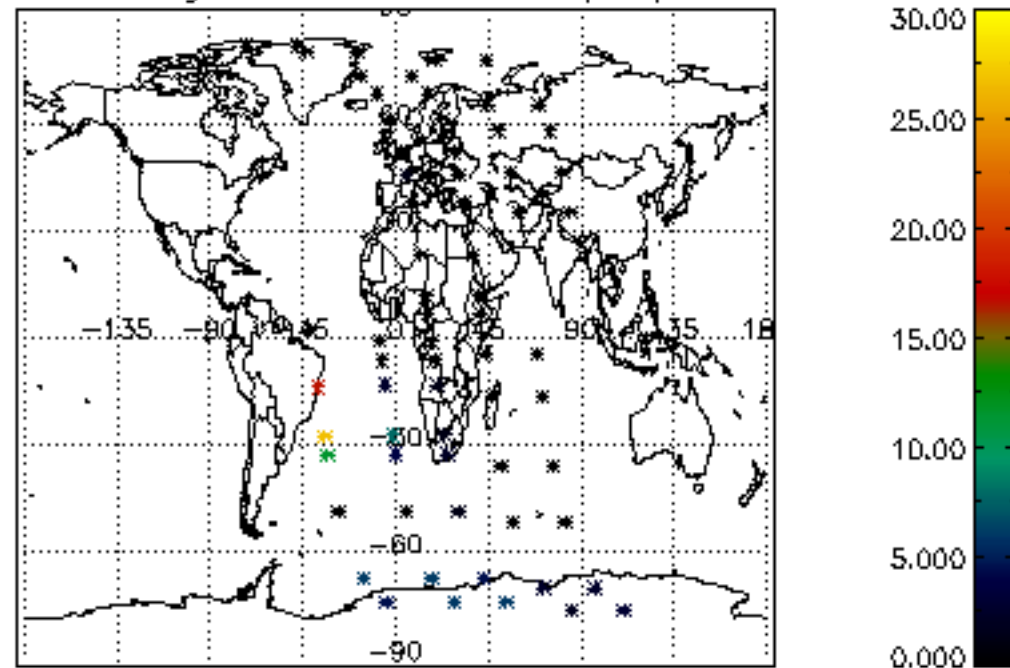
Percentage of datation errors per profile



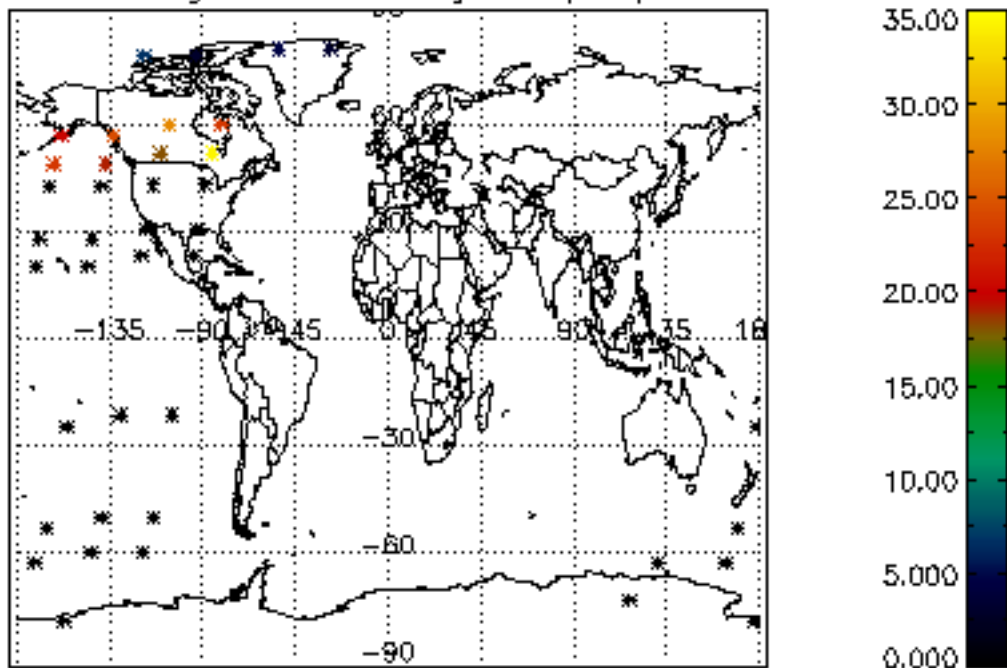
Percentage of star falling outside central band per profile



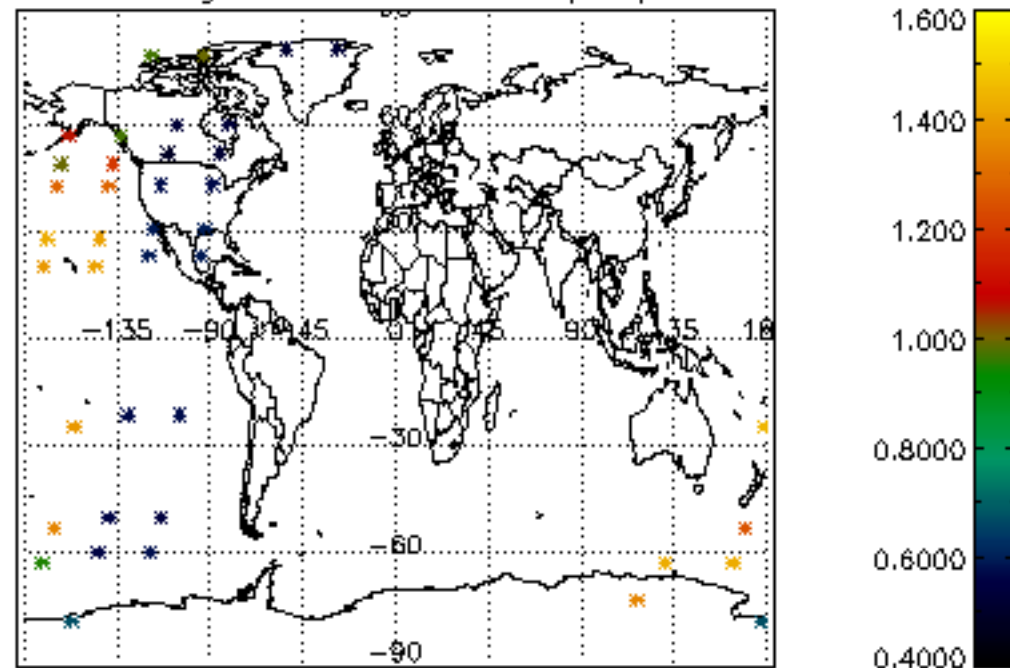
Percentage of saturation errors per profile



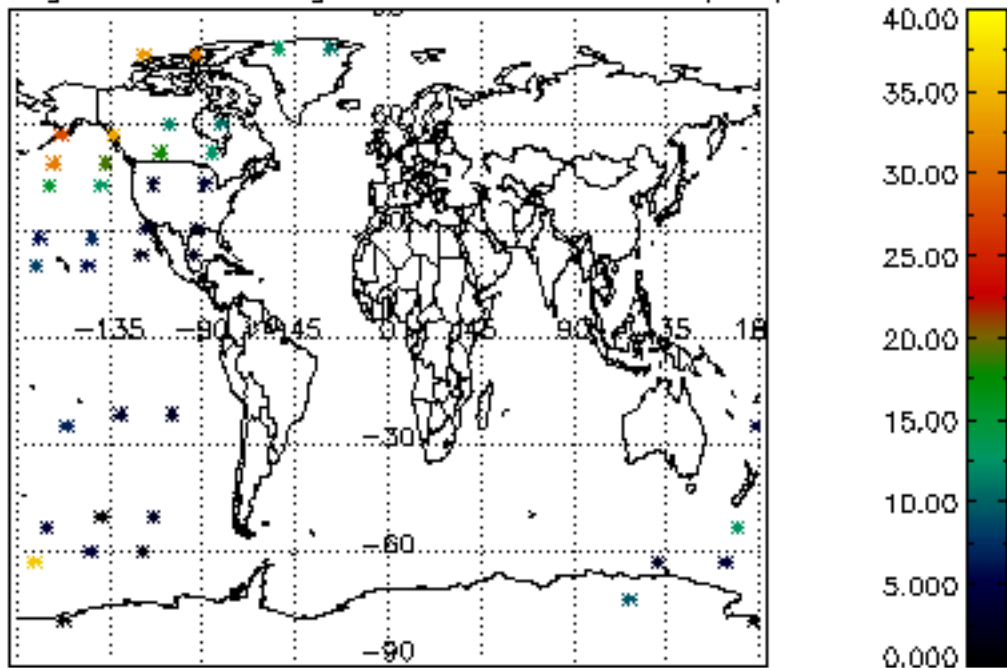
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

