

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	17APR2013 17:36:30
Data source version	GOMOS/6.01
Start time of products	06-05-2002 (06MAY2002 00:00:00)
Stop time of products	07-05-2002 (07MAY2002 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	142
Nb of prods with errors	4

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__2PRFIN20020506_011217_000000392005_00389_00944_0753.N1	06-MAY-2002 01:12:17	Dark	38.500	83		2.3780	11000.	77	944	Yes
2	GOM_NL__2PRFIN20020506_011355_000000442005_00389_00944_0754.N1	06-MAY-2002 01:13:55	Bright	44.000	67	5Alp CrB	2.2210	11000.	88	944	No
3	GOM_NL__2PRFIN20020506_011750_000000322005_00389_00944_0755.N1	06-MAY-2002 01:17:50	Bright	32.000	39	85Eta UMa	1.8540	24000.	64	944	No
4	GOM_NL__2PRFIN20020506_011930_000000302005_00389_00944_0756.N1	06-MAY-2002 01:19:30	Bright	30.000	32	77Eps UMa	1.7630	11000.	60	944	No
5	GOM_NL__2PRFIN20020506_012051_000000322005_00389_00944_0757.N1	06-MAY-2002 01:20:51	Bright	32.000	82	48Bet UMa	2.3650	10600.	64	944	No
6	GOM_NL__2PRFIN20020506_012206_000000332005_00389_00944_0758.N1	06-MAY-2002 01:22:06	Bright	33.000	36	50Alp UMa	1.8000	6300.0	66	944	No
7	GOM_NL__2PRFIN20020506_012442_000000402005_00389_00944_0759.N1	06-MAY-2002 01:24:42	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	944	No
8	GOM_NL__2PRFIN20020506_012659_000000492005_00389_00944_0760.N1	06-MAY-2002 01:26:59	Bright	48.500	130	23Bet Dra	2.7990	5800.0	97	944	No
9	GOM_NL__2PRFIN20020506_012918_000000312005_00389_00944_0761.N1	06-MAY-2002 01:29:18	Bright	31.000	49	1Alp UMi	1.9900	6300.0	62	944	No
10	GOM_NL__2PRFIN20020506_013557_000001362005_00389_00944_0762.N1	06-MAY-2002 01:35:57	Bright	135.50	5	3Alp Lyr	0.033000	11000.	271	944	No
11	GOM_NL__2PRFIN20020506_014026_000000592005_00389_00944_0763.N1	06-MAY-2002 01:40:26	Bright	59.000	19	50Alp Cyg	1.2460	10500.	118	944	No
12	GOM_NL__2PRFIN20020506_014226_000000762005_00389_00944_0764.N1	06-MAY-2002 01:42:26	Bright	76.000	66	37Gam Cyg	2.2080	5900.0	152	944	No
13	GOM_NL__2PRFIN20020506_014713_000000472005_00389_00944_0765.N1	06-MAY-2002 01:47:13	Twilight	46.500	164	44Eta Peg	2.9480	5400.0	93	944	No
14	GOM_NL__2PRFIN20020506_015151_000000432005_00389_00944_0766.N1	06-MAY-2002 01:51:51	Dark	43.000	90	54Alp Peg	2.4870	11000.	86	944	No
15	GOM_NL__2PRFIN20020506_015654_000000702005_00389_00944_0767.N1	06-MAY-2002 01:56:54	Dark	70.000	61	8Eps Peg	2.1000	3900.0	140	944	No
16	GOM_NL__2PRFIN20020506_015915_000000552005_00389_00944_0768.N1	06-MAY-2002 01:59:15	Dark	54.500	162	34Alp Aqr	2.9440	5350.0	109	944	No
17	GOM_NL__2PRFIN20020506_020453_000000442005_00389_00944_0769.N1	06-MAY-2002 02:04:53	Dark	43.500	18	24Alp PsA	1.1660	9700.0	87	944	No
18	GOM_NL__2PRFIN20020506_020931_000000412005_00389_00944_0770.N1	06-MAY-2002 02:09:31	Dark	40.500	63	Bet Gru	2.1500	2800.0	81	944	No
19	GOM_NL__2PRFIN20020506_021042_000000412005_00389_00944_0771.N1	06-MAY-2002 02:10:42	Dark	40.500	31	Alp Gru	1.7340	15200.	81	944	No
20	GOM_NL__2PRFIN20020506_021304_000000352005_00390_00945_0753.N1	06-MAY-2002 02:13:04	Dark	34.500	148	Alp Tuc	2.8780	4100.0	69	945	No
21	GOM_NL__2PRFIN20020506_021616_000000392005_00390_00945_0754.N1	06-MAY-2002 02:16:16	Dark	39.000	45	Alp Pav	1.9400	26000.	78	945	No
22	GOM_NL__2PRFIN20020506_022230_000000392005_00390_00945_0755.N1	06-MAY-2002 02:22:30	Straylight	38.500	43	Alp Tra	1.9100	4250.0	77	945	No
23	GOM_NL__2PRFIN20020506_022438_000000402005_00390_00945_0756.N1	06-MAY-2002 02:24:38	Straylight	39.500	147	Alp Ara	2.8770	26000.	79	945	No
24	GOM_NL__2PRFIN20020506_022557_000000502005_00390_00945_0757.N1	06-MAY-2002 02:25:57	Straylight	49.500	40	The Sco	1.8590	7100.0	99	945	No
25	GOM_NL__2PRFIN20020506_022746_000000552005_00390_00945_0758.N1	06-MAY-2002 02:27:46	Straylight	54.500	25	35Lam Sco	1.6200	28000.	109	945	No
26	GOM_NL__2PRFIN20020506_023007_000000372005_00390_00945_0759.N1	06-MAY-2002 02:30:07	Straylight	37.000	78	Alp Lup	2.3040	28000.	74	945	No
27	GOM_NL__2PRFIN20020506_023139_000000362005_00390_00945_0760.N1	06-MAY-2002 02:31:39	Straylight	35.500	81	Eta Cen	2.3560	28000.	71	945	No
28	GOM_NL__2PRFIN20020506_023317_000000482005_00390_00945_0761.N1	06-MAY-2002 02:33:17	Twilight	47.500	136	23Tau Sco	2.8220	30000.	95	945	No
29	GOM_NL__2PRFIN20020506_023456_000000452005_00390_00945_0762.N1	06-MAY-2002 02:34:56	Twilight	45.000	158	6Pi Sco	2.9060	28000.	90	945	No
30	GOM_NL__2PRFIN20020506_023710_000000472005_00390_00945_0763.N1	06-MAY-2002 02:37:10	Bright	47.000	97	8Bet1Sco	2.5610	30000.	94	945	No
31	GOM_NL__2PRFIN20020506_023907_000000362005_00390_00945_0764.N1	06-MAY-2002 02:39:07	Bright	35.500	122	9Alp2Lib	2.7470	9700.0	71	945	No
32	GOM_NL__2PRFIN20020506_024110_000000352005_00390_00945_0765.N1	06-MAY-2002 02:41:10	Bright	34.500	15	67Alp Vir	0.97600	28000.	69	945	No
33	GOM_NL__2PRFIN20020506_024417_000000332005_00390_00945_0766.N1	06-MAY-2002 02:44:17	Bright	33.000	121	29Gam Vir	2.7400	7200.0	66	945	No
34	GOM_NL__2PRFIN20020506_024731_000000342005_00390_00945_0767.N1	06-MAY-2002 02:47:31	Bright	33.500	138	47Eps Vir	2.8280	4700.0	67	945	No
35	GOM_NL__2PRFIN20020506_024957_000000522005_00390_00945_0768.N1	06-MAY-2002 02:49:57	Bright	52.000	3	16Alp Boo	-0.050000	4250.0	104	945	No
36	GOM_NL__2PRFIN20020506_025252_000000392005_00390_00945_0769.N1	06-MAY-2002 02:52:52	Bright	39.000	83		2.3780	11000.	78	945	No
37	GOM_NL__2PRFIN20020506_025430_000000462005_00390_00945_0770.N1	06-MAY-2002 02:54:30	Bright	46.000	67	5Alp CrB	2.2210	11000.	92	945	No
38	GOM_NL__2PRFIN20020506_025825_000000332005_00390_00945_0771.N1	06-MAY-2002 02:58:25	Bright	33.000	39	85Eta UMa	1.8540	24000.	66	945	No
39	GOM_NL__2PRFIN20020506_030006_000000342005_00390_00945_0772.N1	06-MAY-2002 03:00:06	Bright	33.500	32	77Eps UMa	1.7630	11000.	67	945	No
40	GOM_NL__2PRFIN20020506_030128_000000312005_00390_00945_0773.N1	06-MAY-2002 03:01:28	Bright	31.000	82	48Bet UMa	2.3650	10600.	62	945	No
41	GOM_NL__2PRFIN20020506_030242_000000352005_00390_00945_0774.N1	06-MAY-2002 03:02:42	Bright	34.500	36	50Alp UMa	1.8000	6300.0	69	945	No
42	GOM_NL__2PRFIN20020506_030517_000000402005_00390_00945_0775.N1	06-MAY-2002 03:05:17	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	945	No

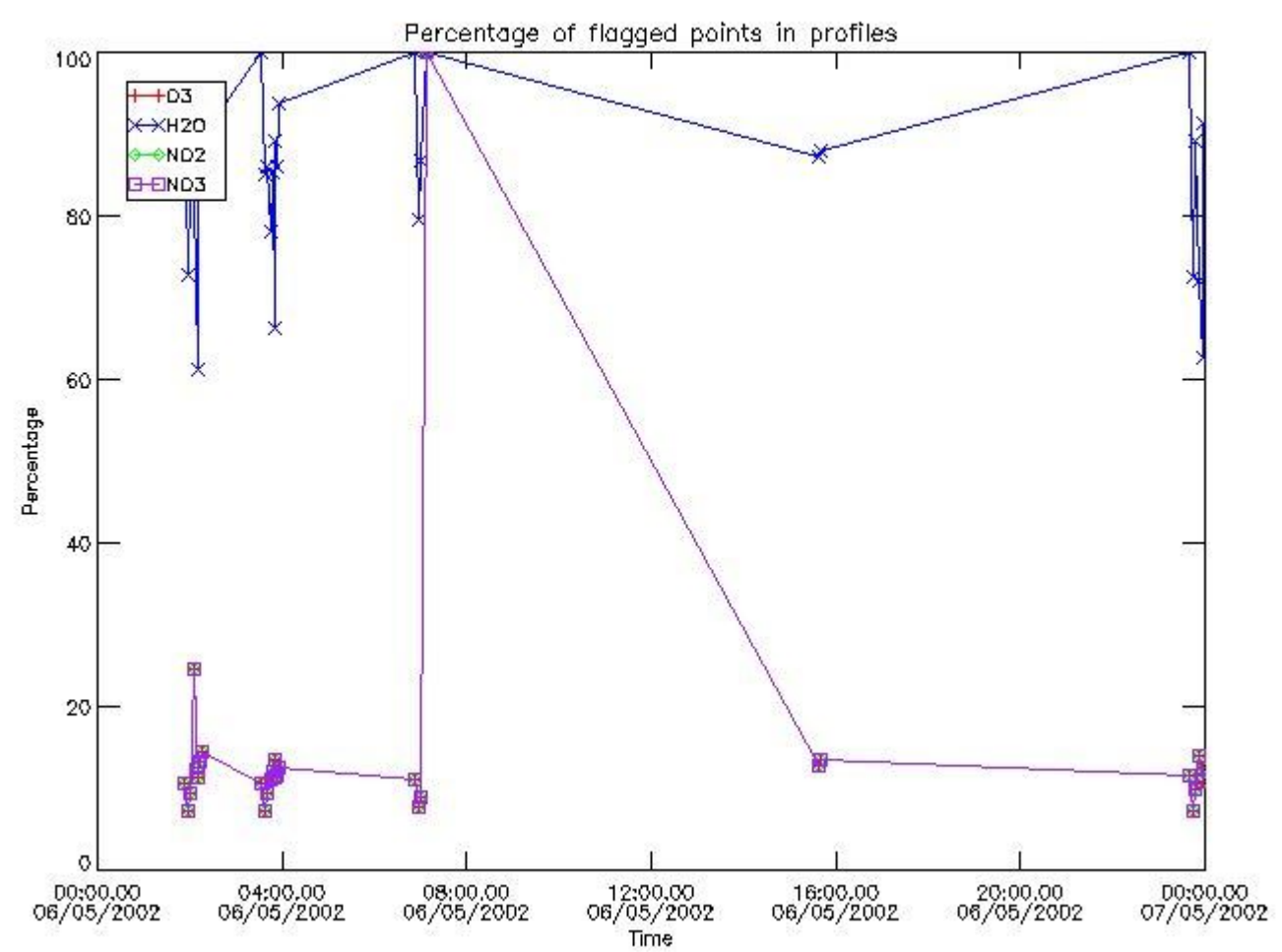
43	GOM_NL__2PRFIN20020506_030734_000000462005_00390_00945_0776.N1	06-MAY-2002 03:07:34	Bright	45.500	130	23Bet Dra	2.7990	5800.0	91	945	No
44	GOM_NL__2PRFIN20020506_030954_000000292005_00390_00945_0777.N1	06-MAY-2002 03:09:54	Bright	28.500	49	1Alp UMi	1.9900	6300.0	57	945	No
45	GOM_NL__2PRFIN20020506_031631_000001432005_00390_00945_0778.N1	06-MAY-2002 03:16:31	Bright	142.50	5	3Alp Lyr	0.033000	11000.	285	945	No
46	GOM_NL__2PRFIN20020506_032101_000000602005_00390_00945_0779.N1	06-MAY-2002 03:21:01	Bright	60.000	19	50Alp Cyg	1.2460	10500.	120	945	No
47	GOM_NL__2PRFIN20020506_032301_000000742005_00390_00945_0780.N1	06-MAY-2002 03:23:01	Bright	74.000	66	37Gam Cyg	2.2080	5900.0	148	945	No
48	GOM_NL__2PRFIN20020506_032750_000000442005_00390_00945_0781.N1	06-MAY-2002 03:27:50	Twilight	44.000	164	44Eta Peg	2.9480	5400.0	88	945	No
49	GOM_NL__2PRFIN20020506_033228_000000432005_00390_00945_0782.N1	06-MAY-2002 03:32:28	Dark	43.000	90	54Alp Peg	2.4870	11000.	86	945	No
50	GOM_NL__2PRFIN20020506_033731_000000712005_00390_00945_0783.N1	06-MAY-2002 03:37:31	Dark	70.500	61	8Eps Peg	2.1000	3900.0	141	945	No
51	GOM_NL__2PRFIN20020506_033952_000000542005_00390_00945_0784.N1	06-MAY-2002 03:39:52	Dark	54.000	162	34Alp Aqr	2.9440	5350.0	108	945	No
52	GOM_NL__2PRFIN20020506_034529_000000422005_00390_00945_0785.N1	06-MAY-2002 03:45:29	Dark	41.500	18	24Alp PsA	1.1660	9700.0	83	945	No
53	GOM_NL__2PRFIN20020506_034651_000000382005_00390_00945_0786.N1	06-MAY-2002 03:46:51	Dark	38.000	84	Alp Phe	2.3970	4500.0	76	945	No
54	GOM_NL__2PRFIN20020506_035007_000000412005_00390_00945_0787.N1	06-MAY-2002 03:50:07	Dark	40.500	63	Bet Gru	2.1500	2800.0	81	945	No
55	GOM_NL__2PRFIN20020506_035119_000000382005_00390_00945_0788.N1	06-MAY-2002 03:51:19	Dark	37.500	31	Alp Gru	1.7340	15200.	75	945	No
56	GOM_NL__2PRFIN20020506_035341_000000402005_00391_00946_0753.N1	06-MAY-2002 03:53:41	Dark	39.500	148	Alp Tuc	2.8780	4100.0	79	946	No
57	GOM_NL__2PRFIN20020506_035653_000000412005_00391_00946_0754.N1	06-MAY-2002 03:56:53	Dark	41.000	45	Alp Pav	1.9400	26000.	82	946	No
58	GOM_NL__2PRFIN20020506_040306_000000382005_00391_00946_0755.N1	06-MAY-2002 04:03:06	Straylight	38.000	43	Alp TrA	1.9100	4250.0	76	946	No
59	GOM_NL__2PRFIN20020506_040515_000000402005_00391_00946_0756.N1	06-MAY-2002 04:05:15	Straylight	39.500	147	Alp Ara	2.8770	26000.	79	946	No
60	GOM_NL__2PRFIN20020506_040633_000000492005_00391_00946_0757.N1	06-MAY-2002 04:06:33	Straylight	48.500	40	The Sco	1.8590	7100.0	97	946	No
61	GOM_NL__2PRFIN20020506_040823_000000542005_00391_00946_0758.N1	06-MAY-2002 04:08:23	Straylight	54.000	25	35Lam Sco	1.6200	28000.	108	946	No
62	GOM_NL__2PRFIN20020506_041043_000000352005_00391_00946_0759.N1	06-MAY-2002 04:10:43	Straylight	34.500	78	Alp Lup	2.3040	28000.	69	946	No
63	GOM_NL__2PRFIN20020506_041215_000000342005_00391_00946_0760.N1	06-MAY-2002 04:12:15	Straylight	33.500	81	Eta Cen	2.3560	28000.	67	946	No
64	GOM_NL__2PRFIN20020506_041353_000000492005_00391_00946_0761.N1	06-MAY-2002 04:13:53	Twilight	49.000	136	23Tau Sco	2.8220	30000.	98	946	No
65	GOM_NL__2PRFIN20020506_041532_000000442005_00391_00946_0762.N1	06-MAY-2002 04:15:32	Twilight	43.500	158	6Pi Sco	2.9060	28000.	87	946	No
66	GOM_NL__2PRFIN20020506_041746_000000472005_00391_00946_0763.N1	06-MAY-2002 04:17:46	Bright	47.000	97	8Bet1Sco	2.5610	30000.	94	946	No
67	GOM_NL__2PRFIN20020506_041943_000000382005_00391_00946_0764.N1	06-MAY-2002 04:19:43	Bright	37.500	122	9Alp2Lib	2.7470	9700.0	75	946	No
68	GOM_NL__2PRFIN20020506_042146_000000352005_00391_00946_0765.N1	06-MAY-2002 04:21:46	Bright	35.000	15	67Alp Vir	0.97600	28000.	70	946	No
69	GOM_NL__2PRFIN20020506_042453_000000332005_00391_00946_0766.N1	06-MAY-2002 04:24:53	Bright	33.000	121	29Gam Vir	2.7400	7200.0	66	946	No
70	GOM_NL__2PRFIN20020506_042807_000000322005_00391_00946_0767.N1	06-MAY-2002 04:28:07	Bright	32.000	138	47Eps Vir	2.8280	4700.0	64	946	No
71	GOM_NL__2PRFIN20020506_043033_000000522005_00391_00946_0768.N1	06-MAY-2002 04:30:33	Bright	52.000	3	16Alp Boo	-0.050000	4250.0	104	946	No
72	GOM_NL__2PRFIN20020506_043328_000000382005_00391_00946_0769.N1	06-MAY-2002 04:33:28	Bright	37.500	83		2.3780	11000.	75	946	No
73	GOM_NL__2PRFIN20020506_043505_000000462005_00391_00946_0770.N1	06-MAY-2002 04:35:05	Bright	45.500	67	5Alp CrB	2.2210	11000.	91	946	No
74	GOM_NL__2PRFIN20020506_043901_000000322005_00391_00946_0771.N1	06-MAY-2002 04:39:01	Bright	32.000	39	85Eta UMa	1.8540	24000.	64	946	No
75	GOM_NL__2PRFIN20020506_044042_000000332005_00391_00946_0772.N1	06-MAY-2002 04:40:42	Bright	33.000	32	77Eps UMa	1.7630	11000.	66	946	No
76	GOM_NL__2PRFIN20020506_044204_000000332005_00391_00946_0773.N1	06-MAY-2002 04:42:04	Bright	32.500	82	48Bet UMa	2.3650	10600.	65	946	No
77	GOM_NL__2PRFIN20020506_044319_000000342005_00391_00946_0774.N1	06-MAY-2002 04:43:19	Bright	33.500	36	50Alp UMa	1.8000	6300.0	67	946	No
78	GOM_NL__2PRFIN20020506_044552_000000342005_00391_00946_0775.N1	06-MAY-2002 04:45:52	Bright	34.000	119	14Eta Dra	2.7270	4700.0	68	946	No
79	GOM_NL__2PRFIN20020506_044808_000000512005_00391_00946_0776.N1	06-MAY-2002 04:48:08	Bright	50.500	130	23Bet Dra	2.7990	5800.0	101	946	No
80	GOM_NL__2PRFIN20020506_045030_000000332005_00391_00946_0777.N1	06-MAY-2002 04:50:30	Bright	32.500	49	1Alp UMi	1.9900	6300.0	65	946	No
81	GOM_NL__2PRFIN20020506_045705_000001342005_00391_00946_0778.N1	06-MAY-2002 04:57:05	Bright	134.00	5	3Alp Lyr	0.033000	11000.	268	946	No
82	GOM_NL__2PRFIN20020506_050136_000000592005_00391_00946_0779.N1	06-MAY-2002 05:01:36	Bright	59.000	19	50Alp Cyg	1.2460	10500.	118	946	No
83	GOM_NL__2PRFIN20020506_050337_000000772005_00391_00946_0780.N1	06-MAY-2002 05:03:37	Bright	76.500	66	37Gam Cyg	2.2080	5900.0	153	946	No
84	GOM_NL__2PRFIN20020506_050826_000000452005_00391_00946_0781.N1	06-MAY-2002 05:08:26	Twilight	44.500	164	44Eta Peg	2.9480	5400.0	89	946	No
85	GOM_NL__2PRFIN20020506_060530_000000332005_00392_00947_0754.N1	06-MAY-2002 06:05:30	Dark	33.000	121	29Gam Vir	2.7400	7200.0	66	947	Yes
86	GOM_NL__2PRFIN20020506_060843_000000322005_00392_00947_0755.N1	06-MAY-2002 06:08:43	Bright	32.000	138	47Eps Vir	2.8280	4700.0	64	947	No
87	GOM_NL__2PRFIN20020506_061109_000000412005_00392_00947_0756.N1	06-MAY-2002 06:11:09	Bright	41.000	3	16Alp Boo	-0.050000	4250.0	82	947	No
88	GOM_NL__2PRFIN20020506_061403_000000402005_00392_00947_0757.N1	06-MAY-2002 06:14:03	Bright	39.500	83		2.3780	11000.	79	947	No
89	GOM_NL__2PRFIN20020506_061540_000000442005_00392_00947_0758.N1	06-MAY-2002 06:15:40	Bright	44.000	67	5Alp CrB	2.2210	11000.	88	947	No
90	GOM_NL__2PRFIN20020506_061937_000000342005_00392_00947_0759.N1	06-MAY-2002 06:19:37	Bright	34.000	39	85Eta UMa	1.8540	24000.	68	947	No
91	GOM_NL__2PRFIN20020506_062118_000000342005_00392_00947_0760.N1	06-MAY-2002 06:21:18	Bright	34.000	32	77Eps UMa	1.7630	11000.	68	947	No
92	GOM_NL__2PRFIN20020506_062240_000000342005_00392_00947_0761.N1	06-MAY-2002 06:22:40	Bright	34.000	82	48Bet UMa	2.3650	10600.	68	947	No
93	GOM_NL__2PRFIN20020506_062355_000000362005_00392_00947_0762.N1	06-MAY-2002 06:23:55	Bright	35.500	36	50Alp UMa	1.8000	6300.0	71	947	No
94	GOM_NL__2PRFIN20020506_062628_000000402005_00392_00947_0763.N1	06-MAY-2002 06:26:28	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	947	No
95	GOM_NL__2PRFIN20020506_062843_000000502005_00392_00947_0764.N1	06-MAY-2002 06:28:43	Bright	49.500	130	23Bet Dra	2.7990	5800.0	99	947	No
96	GOM_NL__2PRFIN20020506_063105_000000312005_00392_00947_0765.N1	06-MAY-2002 06:31:05	Bright	30.500	49	1Alp UMi	1.9900	6300.0	61	947	No
97	GOM_NL__2PRFIN20020506_063739_000001312005_00392_00947_0766.N1	06-MAY-2002 06:37:39	Bright	130.50	5	3Alp Lyr	0.033000	11000.	261	947	No
98	GOM_NL__2PRFIN20020506_064212_000000582005_00392_00947_0767.N1	06-MAY-2002 06:42:12	Bright	58.000	19	50Alp Cyg	1.2460	10500.	116	947	No
99	GOM_NL__2PRFIN20020506_064412_000000732005_00392_00947_0768.N1	06-MAY-2002 06:44:12	Bright	72.500	66	37Gam Cyg	2.2080	5900.0	145	947	No
100	GOM_NL__2PRFIN20020506_064902_000000472005_00392_00947_0769.N1	06-MAY-2002 06:49:02	Twilight	47.000	164	44Eta Peg	2.9480	5400.0	94	947	No
101	GOM_NL__2PRFIN20020506_065340_000000422005_00392_00947_0770.N1	06-MAY-2002 06:53:40	Dark	41.500	90	54Alp Peg	2.4870	11000.	83	947	No

102	GOM_NL__2PRFIN20020506_065845_000000662005_00392_00947_0771.N1	06-MAY-2002 06:58:45	Dark	66.000	61	8Eps Peg	2.1000	3900.0	132	947	No
103	GOM_NL__2PRFIN20020506_070106_000000582005_00392_00947_0772.N1	06-MAY-2002 07:01:06	Dark	57.500	162	34Alp Aqr	2.9440	5350.0	115	947	No
104	GOM_NL__2PRFIN20020506_070642_000000052005_00392_00947_0773.N1	06-MAY-2002 07:06:42	Dark	4.5000	18	24Alp PsA	1.1660	9700.0	9	947	No
105	GOM_NL__2PRFIN20020506_124047_000000152005_00396_00951_0758.N1	06-MAY-2002 12:40:47	Dark	14.500	97	8Bet1Sco	2.5610	30000.	29	951	Yes
106	GOM_NL__2PRFIN20020506_153755_000000362005_00398_00953_0759.N1	06-MAY-2002 15:37:55	Dark	36.000	148	Alp Tuc	2.8780	4100.0	72	953	No
107	GOM_NL__2PRFIN20020506_154109_000000382005_00398_00953_0760.N1	06-MAY-2002 15:41:09	Dark	38.000	45	Alp Pav	1.9400	26000.	76	953	No
108	GOM_NL__2PRFIN20020506_154720_000000362005_00398_00953_0761.N1	06-MAY-2002 15:47:20	Straylight	36.000	43	Alp TrA	1.9100	4250.0	72	953	No
109	GOM_NL__2PRFIN20020506_154931_000000412005_00398_00953_0762.N1	06-MAY-2002 15:49:31	Straylight	40.500	147	Alp Ara	2.8770	26000.	81	953	No
110	GOM_NL__2PRFIN20020506_155050_000000522005_00398_00953_0763.N1	06-MAY-2002 15:50:50	Straylight	51.500	40	The Sco	1.8590	7100.0	103	953	No
111	GOM_NL__2PRFIN20020506_155240_000000562005_00398_00953_0764.N1	06-MAY-2002 15:52:40	Straylight	56.000	25	35Lam Sco	1.6200	28000.	112	953	No
112	GOM_NL__2PRFIN20020506_155457_000000052005_00398_00953_0765.N1	06-MAY-2002 15:54:57	Straylight	5.0000	78	Alp Lup	2.3040	28000.	10	953	No
113	GOM_NL__2PRFIN20020506_223507_000000542005_00402_00957_0764.N1	06-MAY-2002 22:35:07	Dark	53.500	25	35Lam Sco	1.6200	28000.	107	957	Yes
114	GOM_NL__2PRFIN20020506_223722_000000382005_00402_00957_0765.N1	06-MAY-2002 22:37:22	Straylight	37.500	78	Alp Lup	2.3040	28000.	75	957	No
115	GOM_NL__2PRFIN20020506_223853_000000372005_00402_00957_0766.N1	06-MAY-2002 22:38:53	Straylight	36.500	81	Eta Cen	2.3560	28000.	73	957	No
116	GOM_NL__2PRFIN20020506_224033_000000492005_00402_00957_0767.N1	06-MAY-2002 22:40:33	Tw_i_and_stray	48.500	136	23Tau Sco	2.8220	30000.	97	957	No
117	GOM_NL__2PRFIN20020506_224210_000000452005_00402_00957_0768.N1	06-MAY-2002 22:42:10	Tw_i_and_stray	45.000	158	6Pi Sco	2.9060	28000.	90	957	No
118	GOM_NL__2PRFIN20020506_224423_000000482005_00402_00957_0769.N1	06-MAY-2002 22:44:23	Bright	48.000	97	8Bet1Sco	2.5610	30000.	96	957	No
119	GOM_NL__2PRFIN20020506_224619_000000382005_00402_00957_0770.N1	06-MAY-2002 22:46:19	Bright	37.500	122	9Alp2Lib	2.7470	9700.0	75	957	No
120	GOM_NL__2PRFIN20020506_224822_000000352005_00402_00957_0771.N1	06-MAY-2002 22:48:22	Bright	34.500	15	67Alp Vir	0.97600	28000.	69	957	No
121	GOM_NL__2PRFIN20020506_225130_000000342005_00402_00957_0772.N1	06-MAY-2002 22:51:30	Bright	34.000	121	29Gam Vir	2.7400	7200.0	68	957	No
122	GOM_NL__2PRFIN20020506_225443_000000322005_00402_00957_0773.N1	06-MAY-2002 22:54:43	Bright	31.500	138	47Eps Vir	2.8280	4700.0	63	957	No
123	GOM_NL__2PRFIN20020506_225706_000000412005_00402_00957_0774.N1	06-MAY-2002 22:57:06	Bright	40.500	3	16Alp Boo	-0.050000	4250.0	81	957	No
124	GOM_NL__2PRFIN20020506_225959_000000392005_00402_00957_0775.N1	06-MAY-2002 22:59:59	Bright	39.000	83		2.3780	11000.	78	957	No
125	GOM_NL__2PRFIN20020506_230131_000000482005_00402_00957_0776.N1	06-MAY-2002 23:01:31	Bright	47.500	67	5Alp CrB	2.2210	11000.	95	957	No
126	GOM_NL__2PRFIN20020506_230535_000000332005_00402_00957_0777.N1	06-MAY-2002 23:05:35	Bright	33.000	39	85Eta UMa	1.8540	24000.	66	957	No
127	GOM_NL__2PRFIN20020506_230717_000000342005_00402_00957_0778.N1	06-MAY-2002 23:07:17	Bright	34.000	32	77Eps UMa	1.7630	11000.	68	957	No
128	GOM_NL__2PRFIN20020506_230842_000000352005_00402_00957_0779.N1	06-MAY-2002 23:08:42	Bright	35.000	82	48Bet UMa	2.3650	10600.	70	957	No
129	GOM_NL__2PRFIN20020506_230957_000000342005_00402_00957_0780.N1	06-MAY-2002 23:09:57	Bright	34.000	36	50Alp UMa	1.8000	6300.0	68	957	No
130	GOM_NL__2PRFIN20020506_231221_000000402005_00402_00957_0781.N1	06-MAY-2002 23:12:21	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	957	No
131	GOM_NL__2PRFIN20020506_231432_000000482005_00402_00957_0782.N1	06-MAY-2002 23:14:32	Bright	48.000	130	23Bet Dra	2.7990	5800.0	96	957	No
132	GOM_NL__2PRFIN20020506_231705_000000322005_00402_00957_0783.N1	06-MAY-2002 23:17:05	Bright	32.000	49	1Alp UMi	1.9900	6300.0	64	957	No
133	GOM_NL__2PRFIN20020506_232316_000001312005_00402_00957_0784.N1	06-MAY-2002 23:23:16	Bright	130.50	5	3Alp Lyr	0.033000	11000.	261	957	No
134	GOM_NL__2PRFIN20020506_232806_000000612005_00402_00957_0785.N1	06-MAY-2002 23:28:06	Bright	61.000	19	50Alp Cyg	1.2460	10500.	122	957	No
135	GOM_NL__2PRFIN20020506_233006_000000772005_00402_00957_0786.N1	06-MAY-2002 23:30:06	Bright	77.000	66	37Gam Cyg	2.2080	5900.0	154	957	No
136	GOM_NL__2PRFIN20020506_233502_000000472005_00402_00957_0787.N1	06-MAY-2002 23:35:02	Tw_i_and_stray	47.000	164	44Eta Peg	2.9480	5400.0	94	957	No
137	GOM_NL__2PRFIN20020506_233943_000000442005_00402_00957_0788.N1	06-MAY-2002 23:39:43	Dark	44.000	90	54Alp Peg	2.4870	11000.	88	957	No
138	GOM_NL__2PRFIN20020506_234456_000000722005_00402_00957_0789.N1	06-MAY-2002 23:44:56	Dark	71.500	61	8Eps Peg	2.1000	3900.0	143	957	No
139	GOM_NL__2PRFIN20020506_234715_000000512005_00402_00957_0790.N1	06-MAY-2002 23:47:15	Dark	51.000	162	34Alp Aqr	2.9440	5350.0	102	957	No
140	GOM_NL__2PRFIN20020506_235247_000000442005_00402_00957_0791.N1	06-MAY-2002 23:52:47	Dark	43.500	18	24Alp PsA	1.1660	9700.0	87	957	No
141	GOM_NL__2PRFIN20020506_235724_000000422005_00402_00957_0792.N1	06-MAY-2002 23:57:24	Dark	42.000	63	Bet Gru	2.1500	2800.0	84	957	No
142	GOM_NL__2PRFIN20020506_235837_000000412005_00402_00957_0793.N1	06-MAY-2002 23:58:37	Dark	40.500	31	Alp Gru	1.7340	15200.	81	957	No

3. Quality information per product

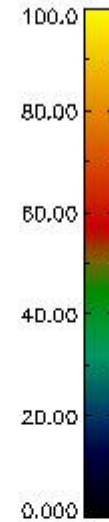
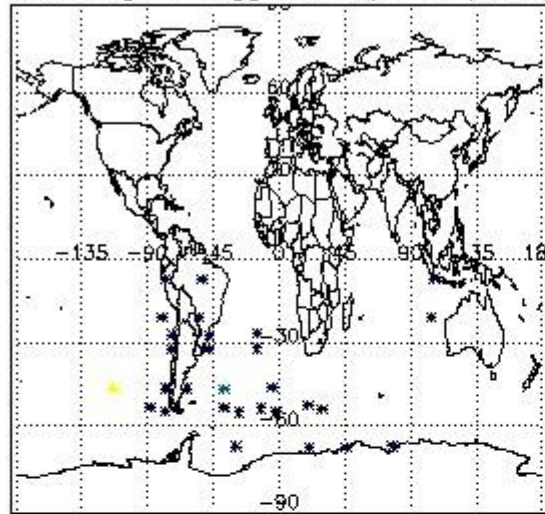
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

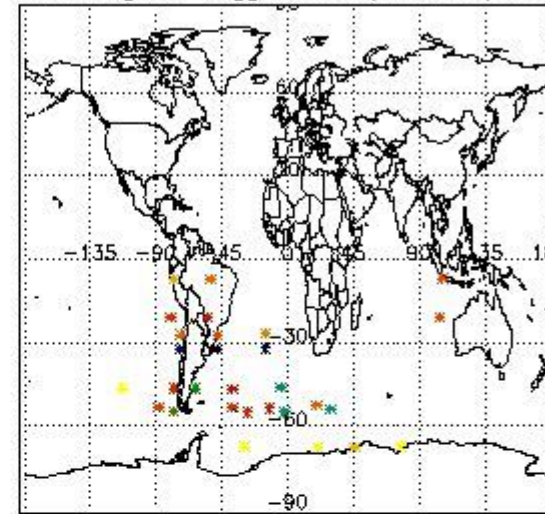


3.2 Plot quality information per product (world map)

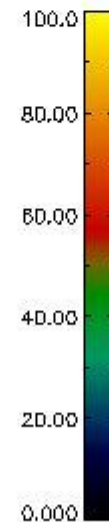
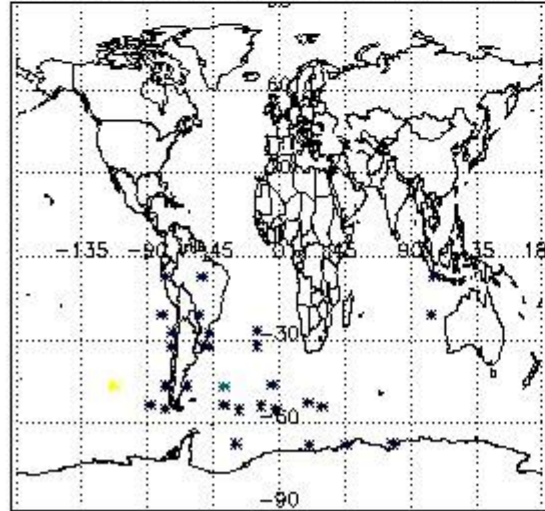
Percentage of flagged data per O3 profile



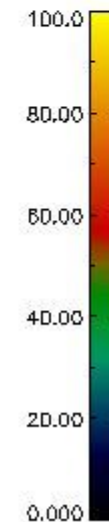
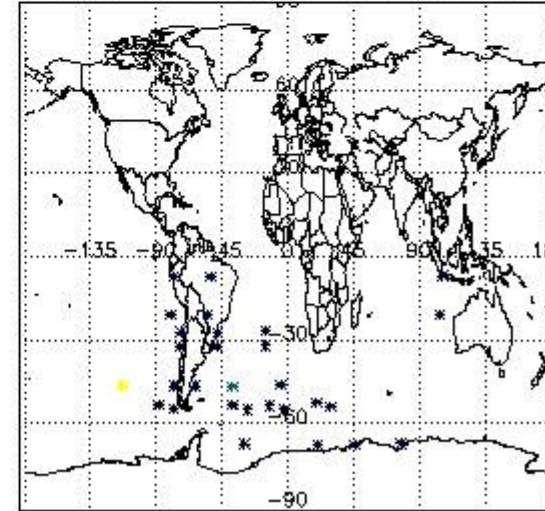
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

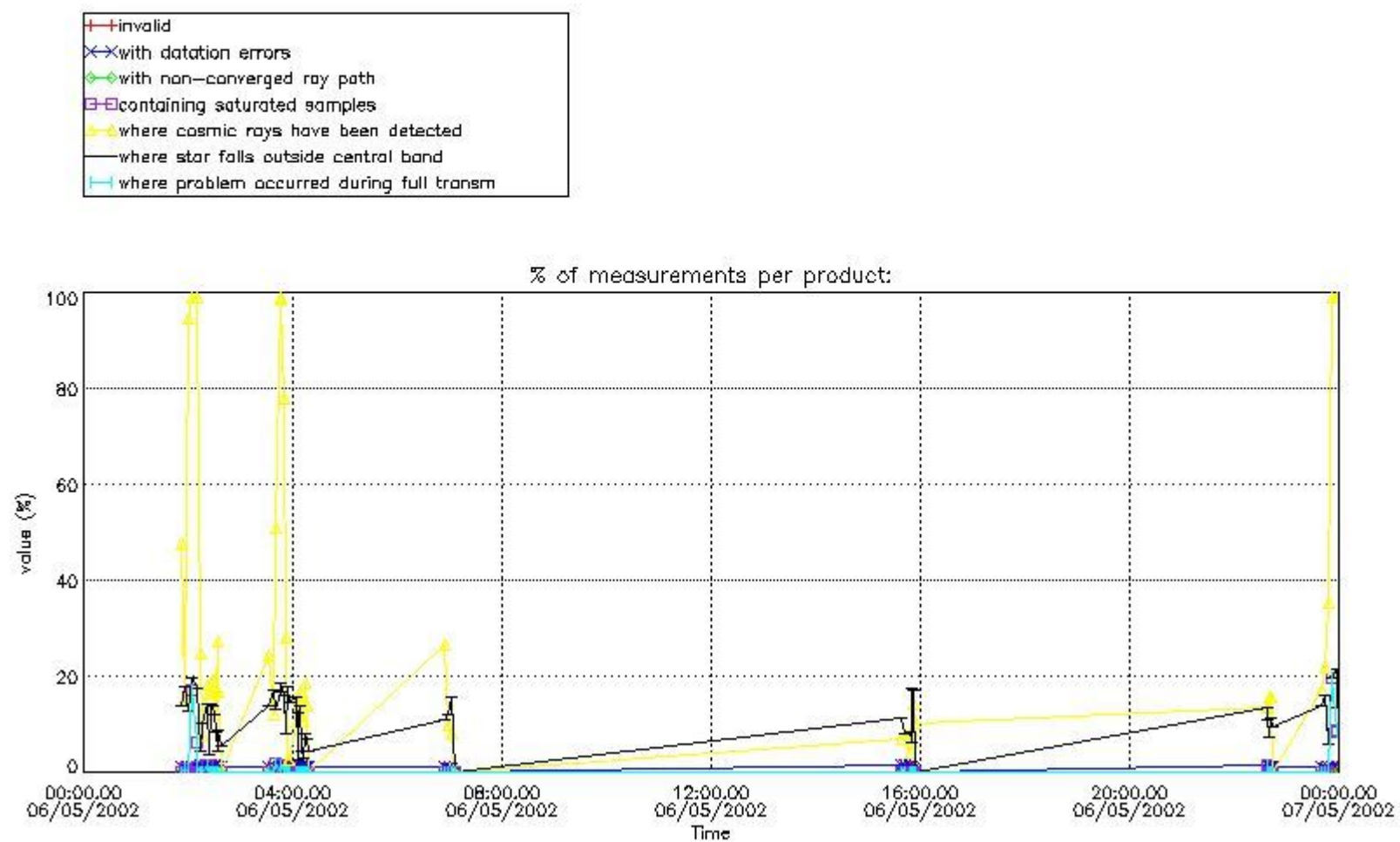


4. Level 1 quality information per product

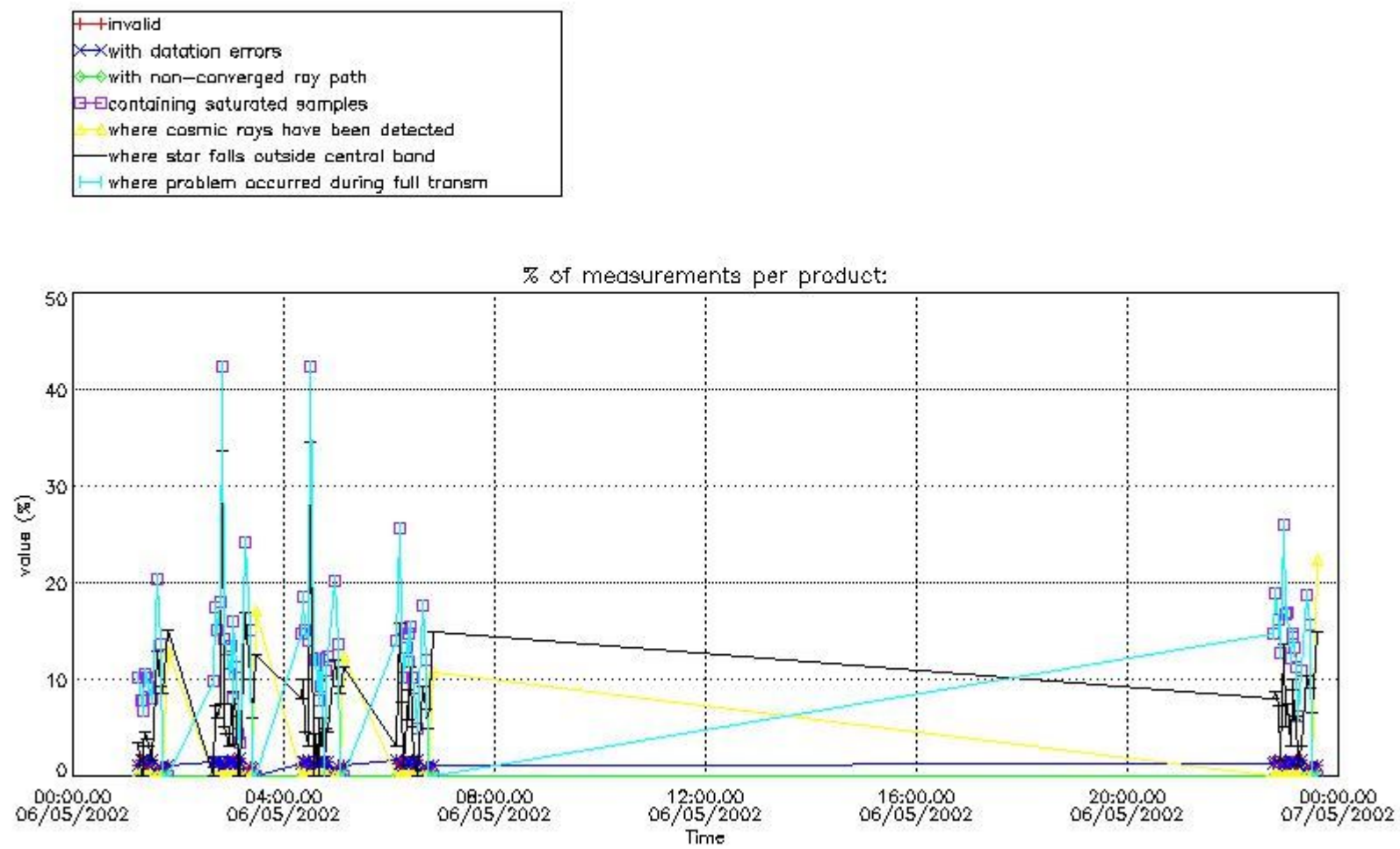
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



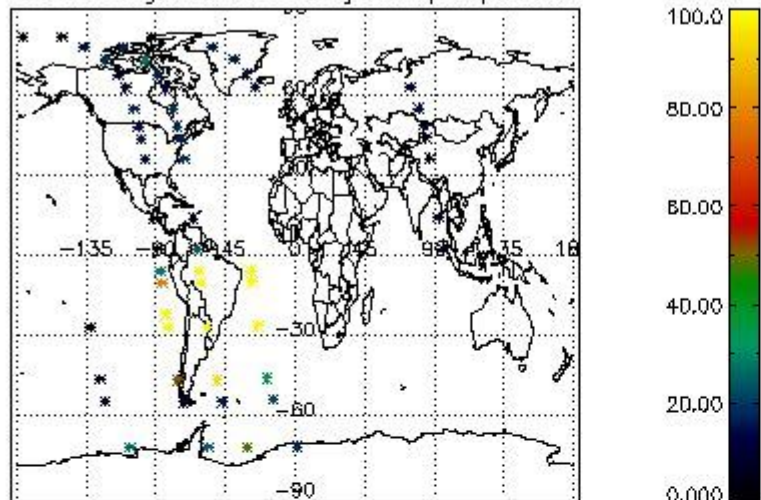
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



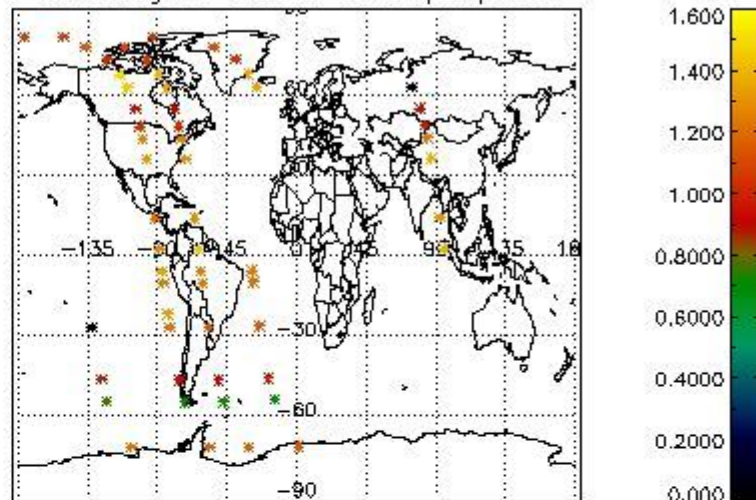
4.2 Plot quality information per product coming from level 1b processing (world map)

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

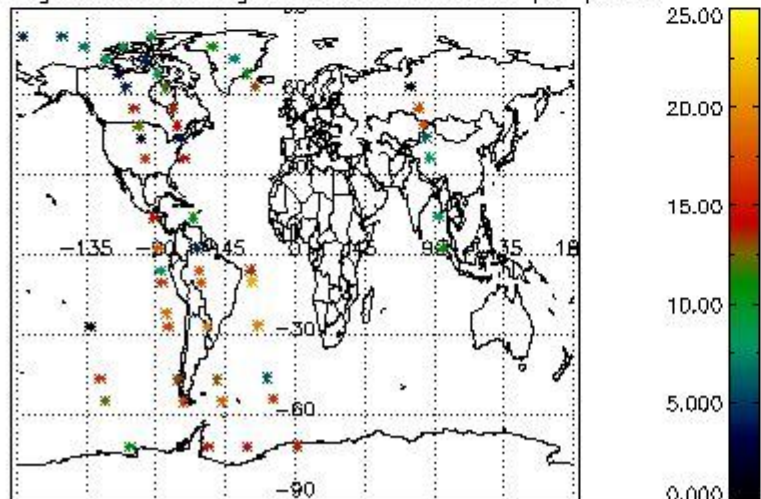
Percentage of cosmic ray hits per profile



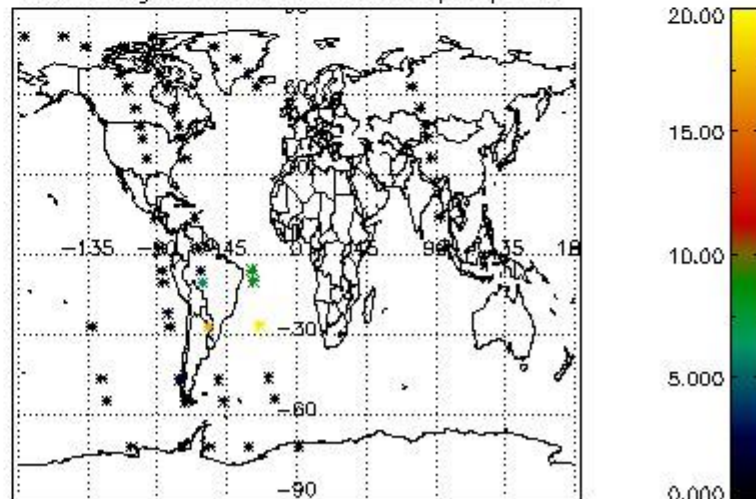
Percentage of datation errors per profile



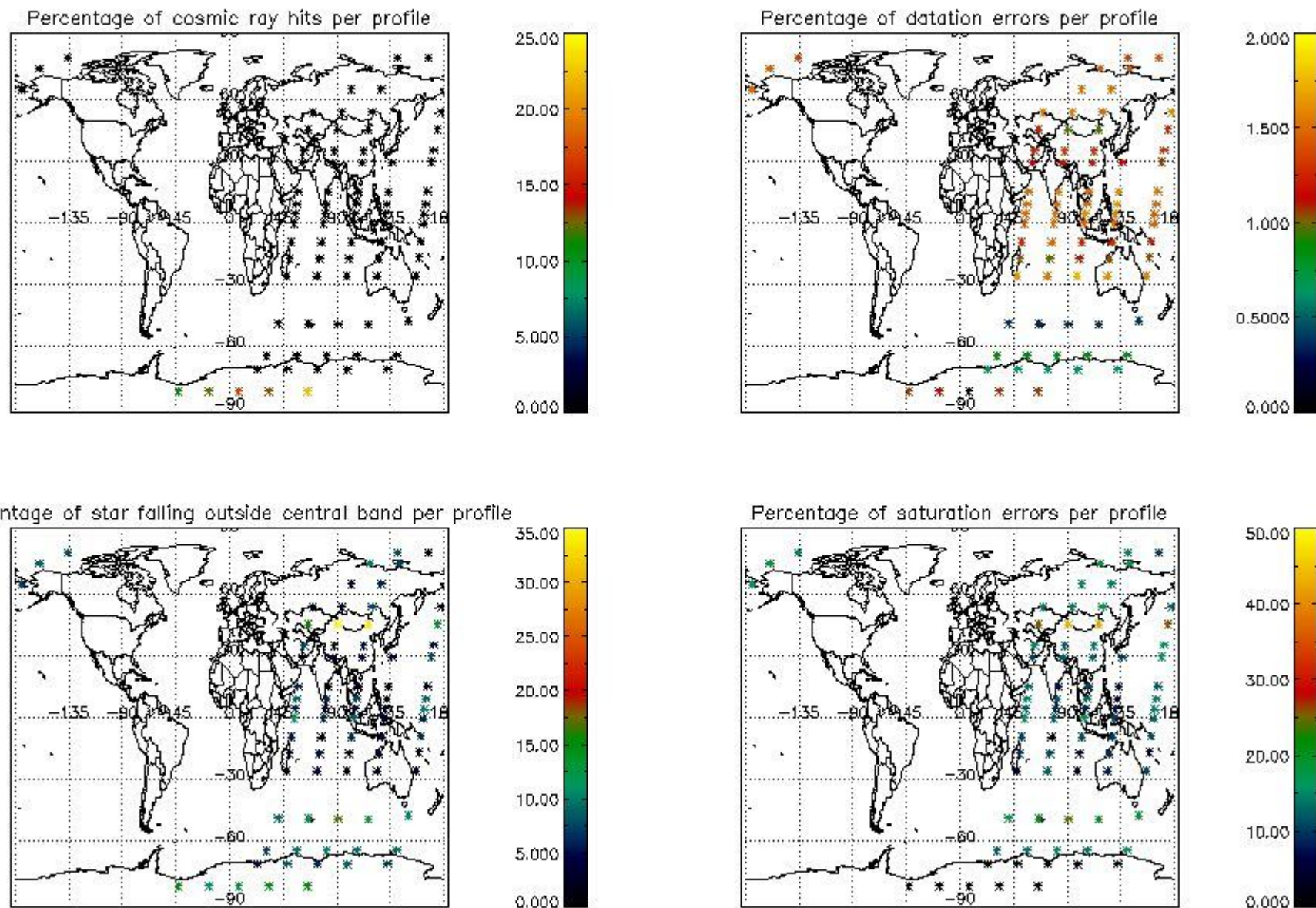
Percentage of star falling outside central band per profile



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

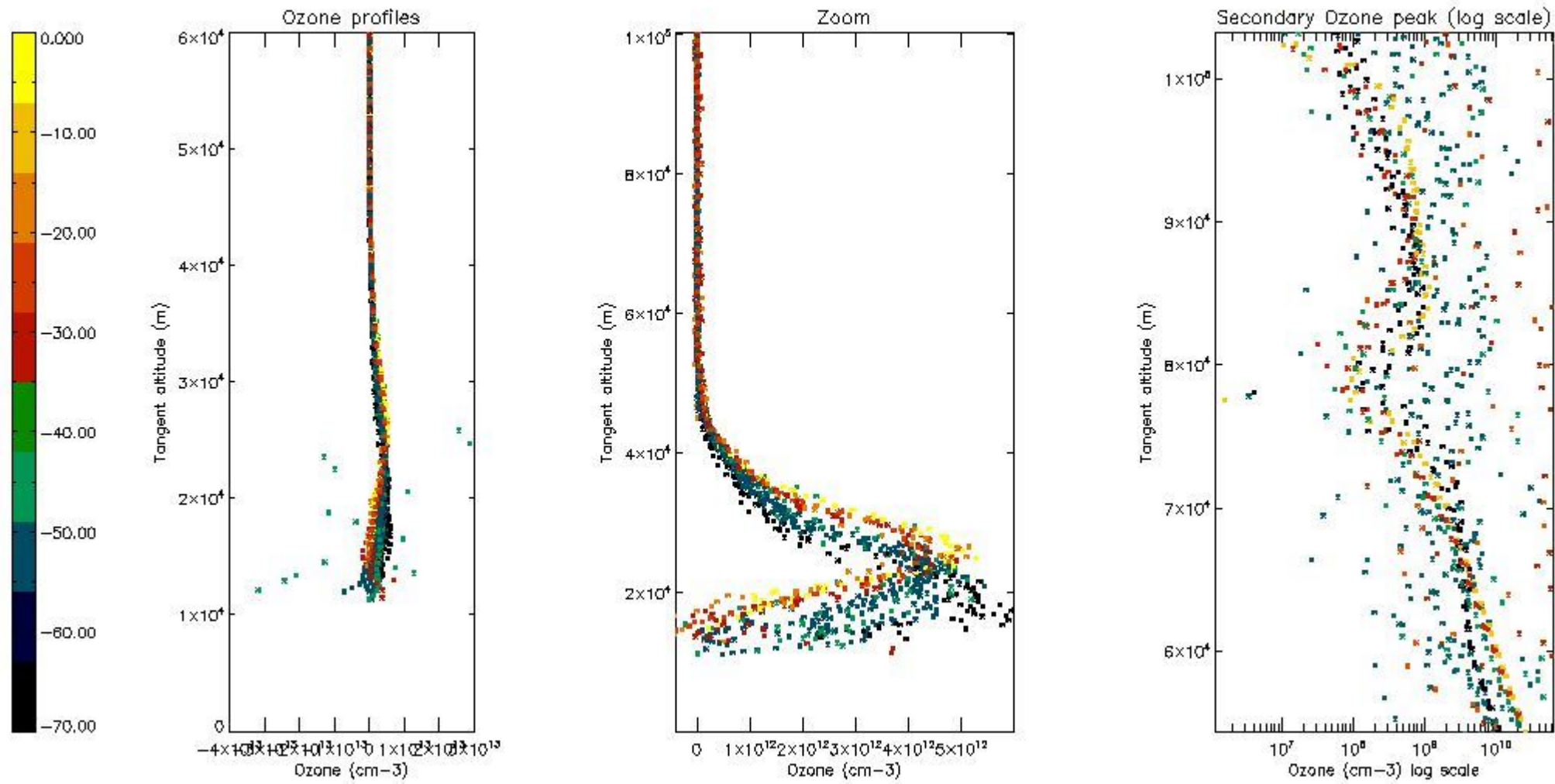
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	21
STD < 20	11

STD < 10	9
STD < 5	5

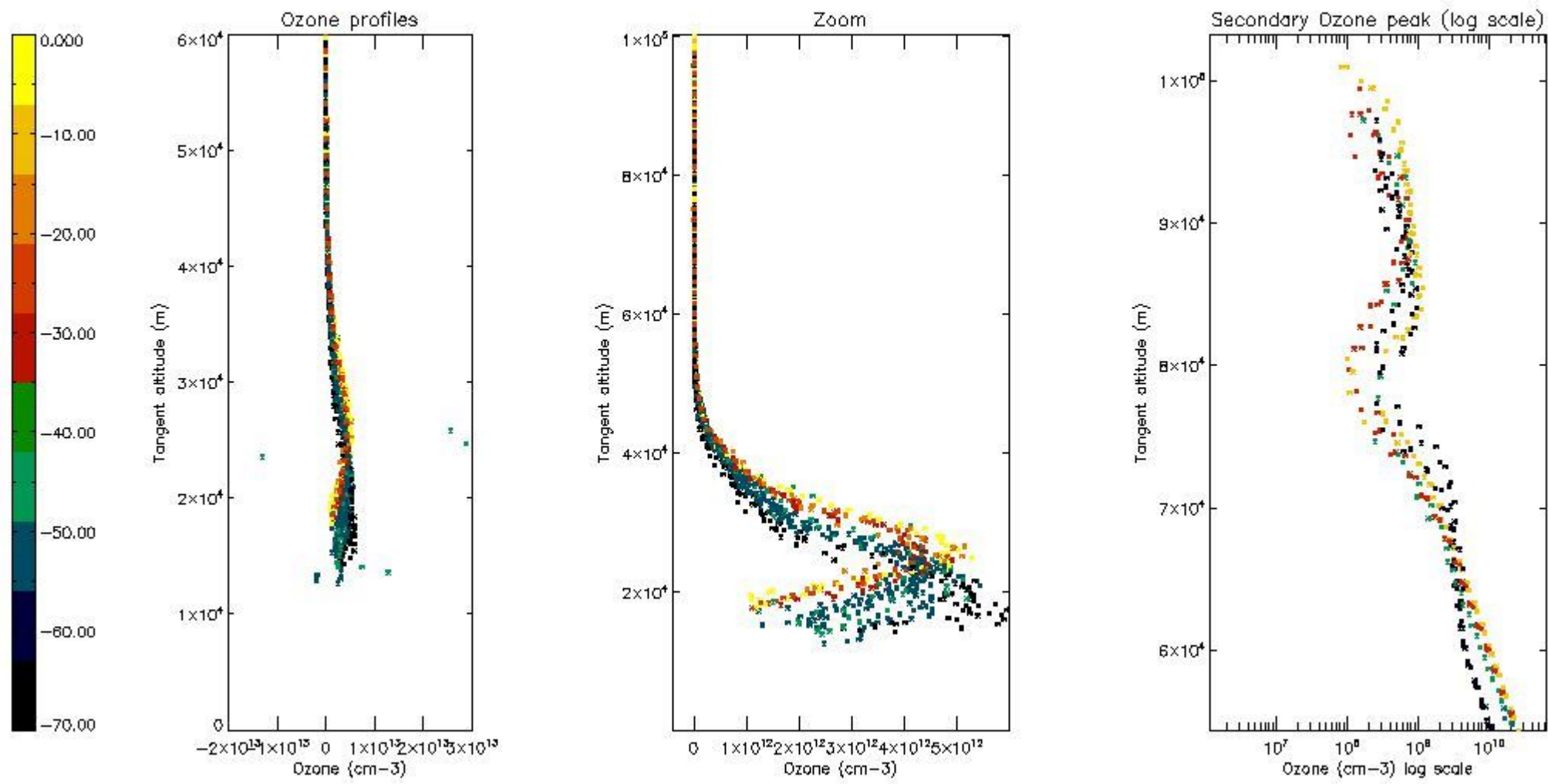
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



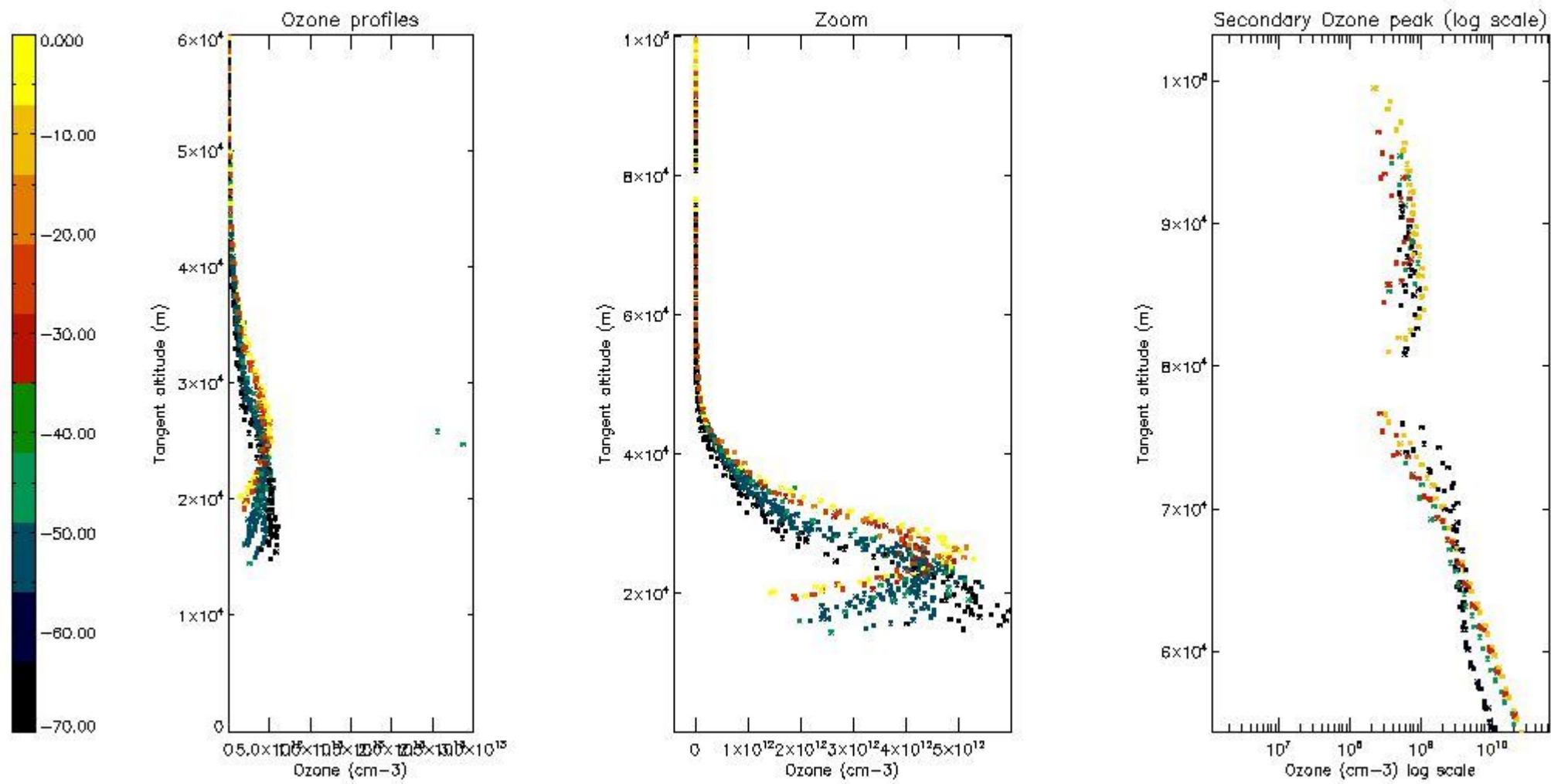
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



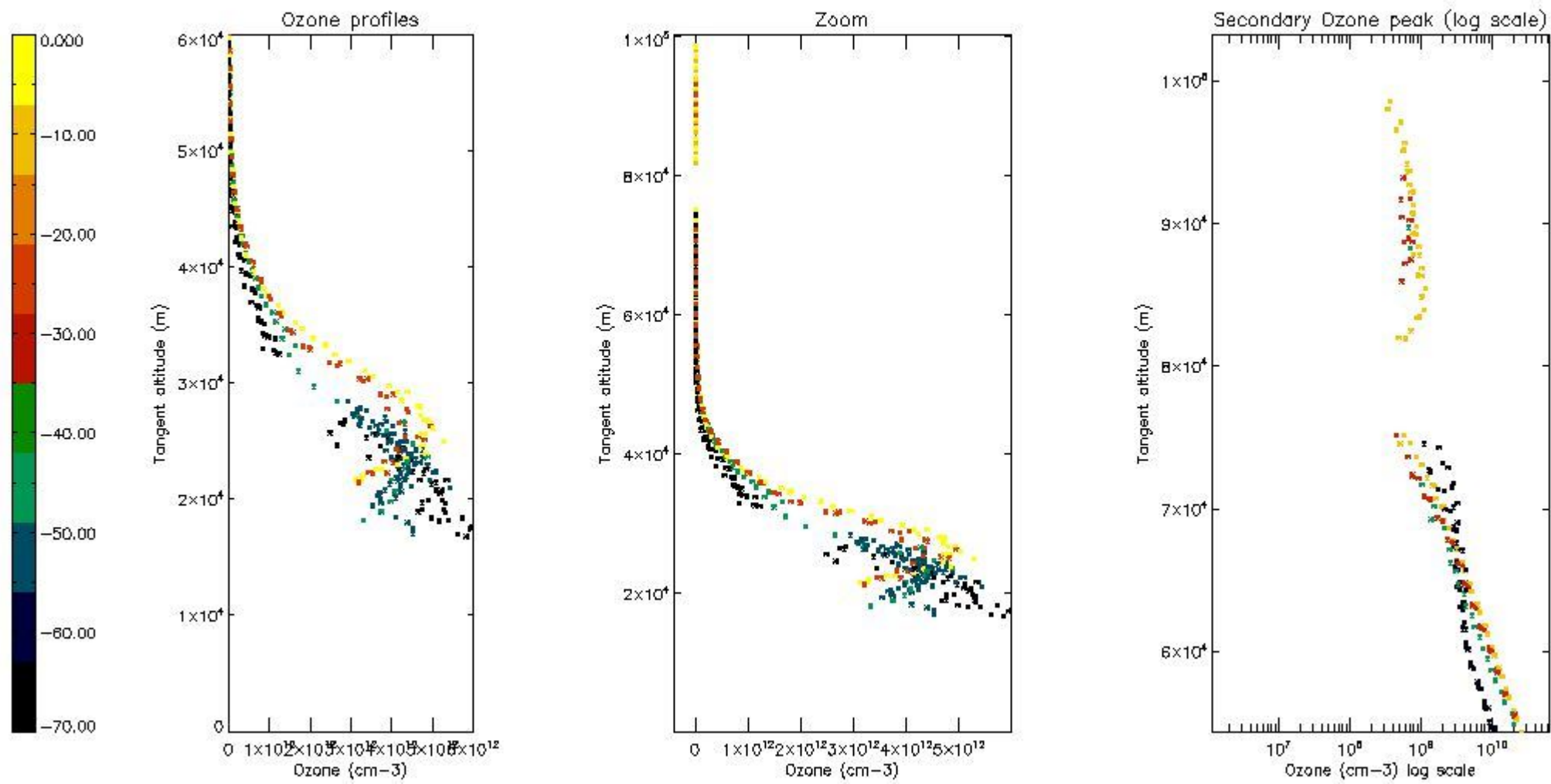
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



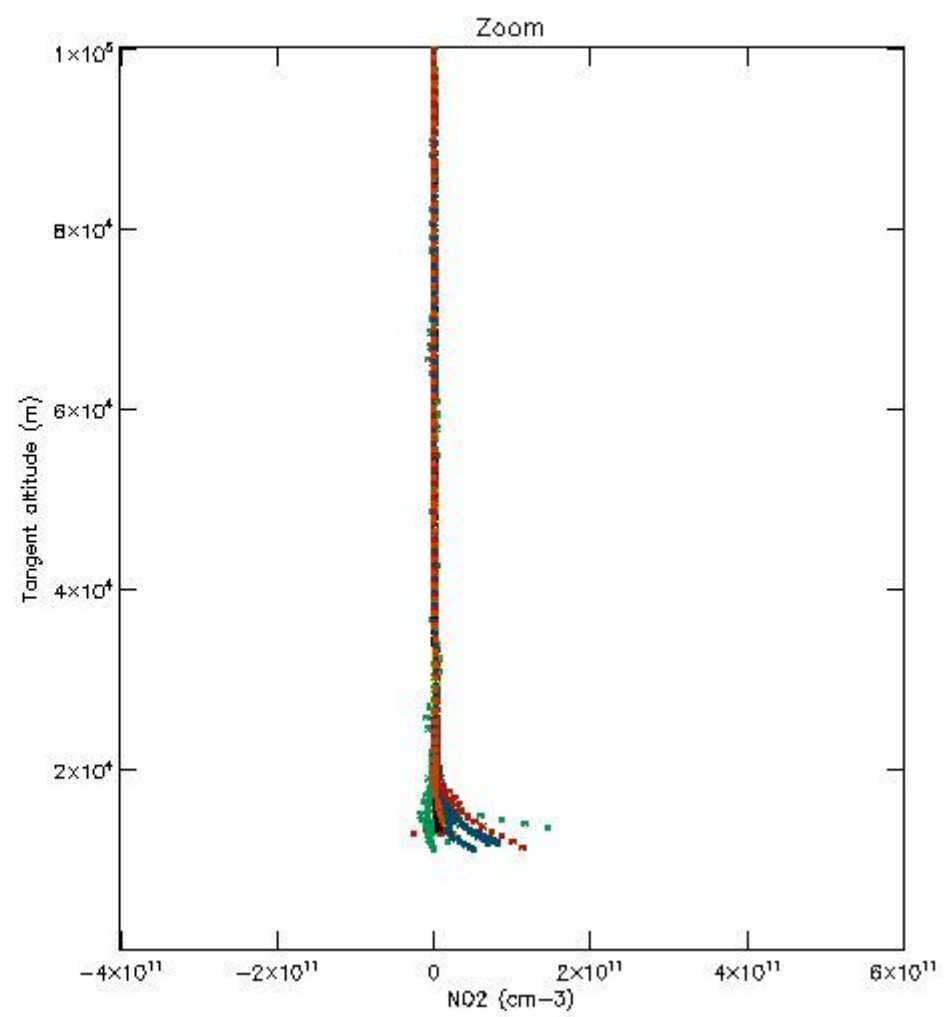
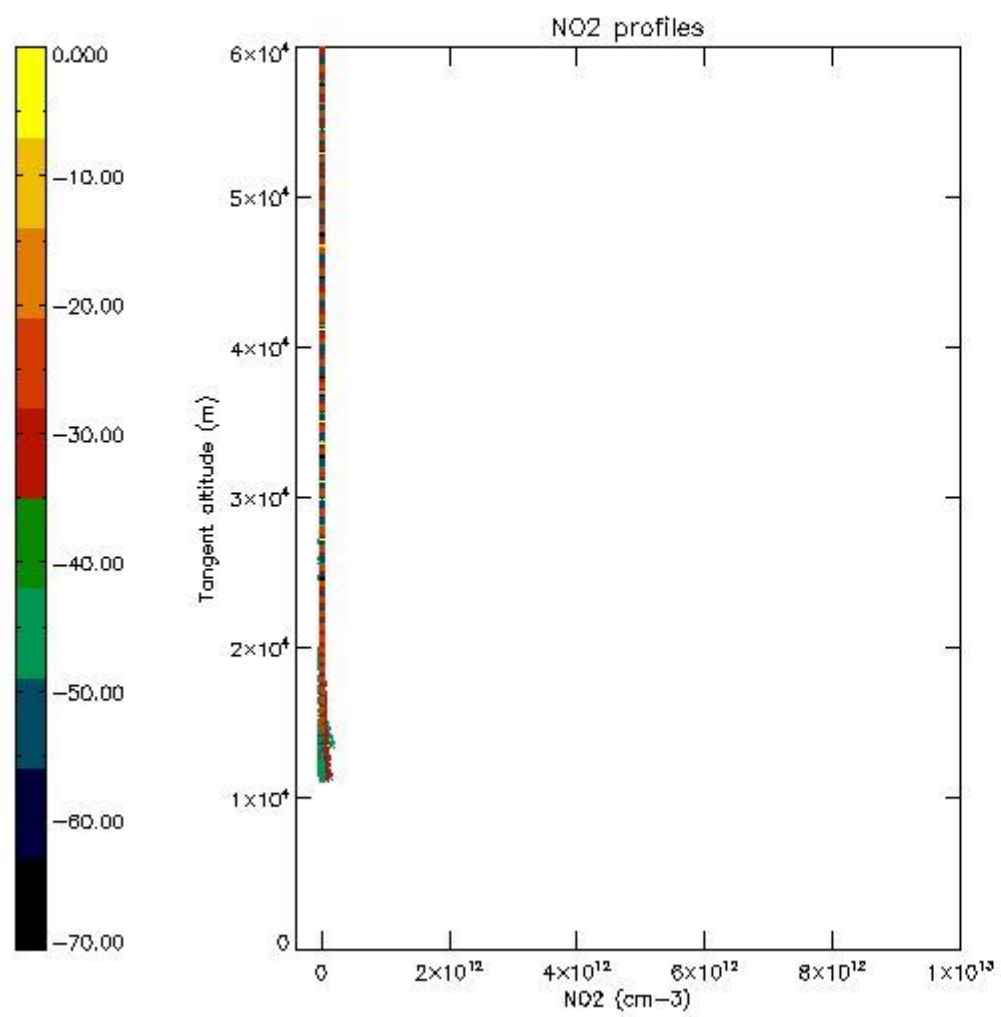
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



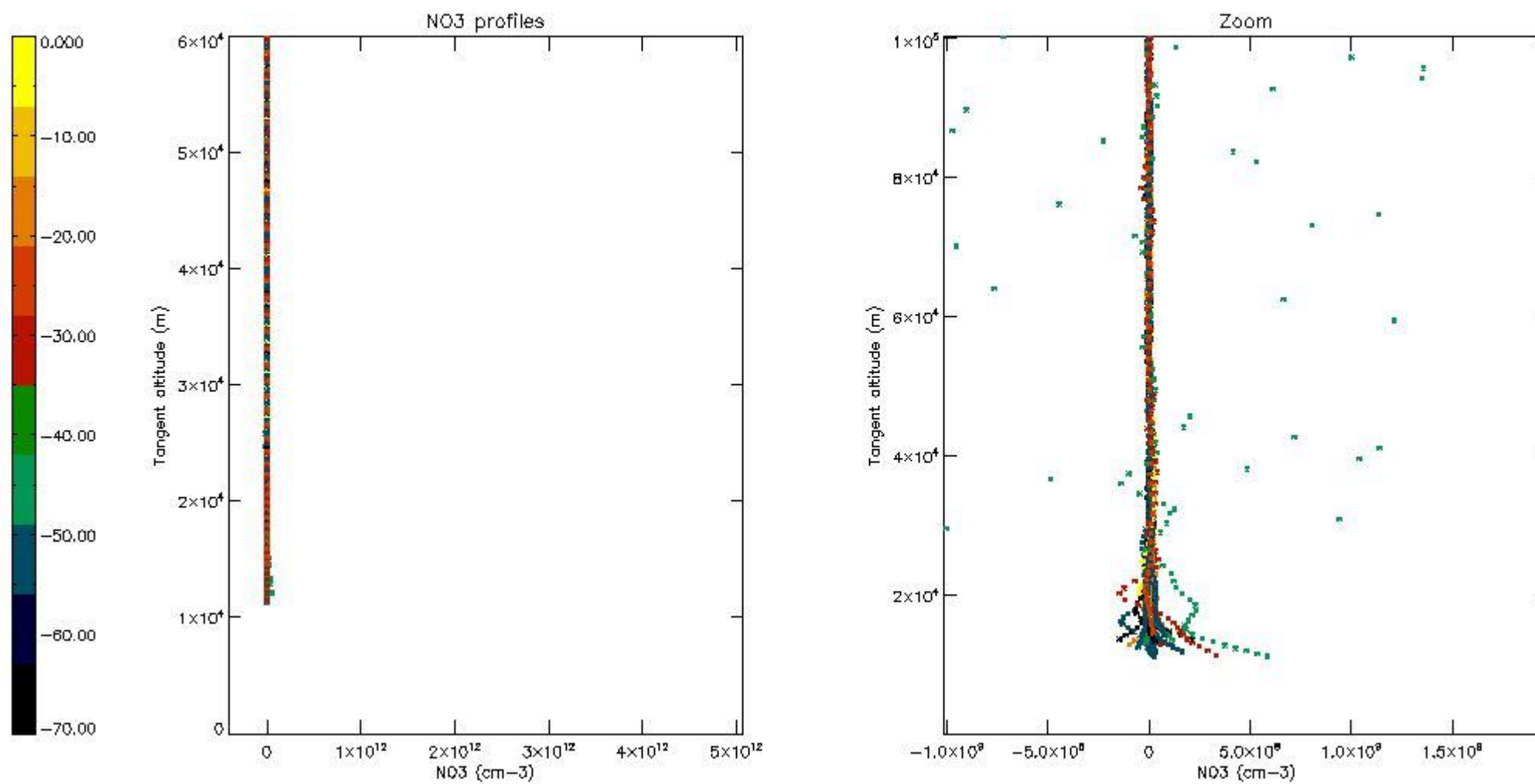
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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_AXNIEC20050627_150440_20020301_000000_20100101_000000	1	06-MAY-2002 01:12:17
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	06-MAY-2002 01:12:17
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	06-MAY-2002 01:12:17

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	17APR2013 17:36:30
Data source version	GOMOS/6.01
Start time of products	06-05-2002 (06MAY2002 00:00:00)
Stop time of products	07-05-2002 (07MAY2002 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	142
Nb of prods with errors	4

2. Summary of processed GOM_NL__2P products.

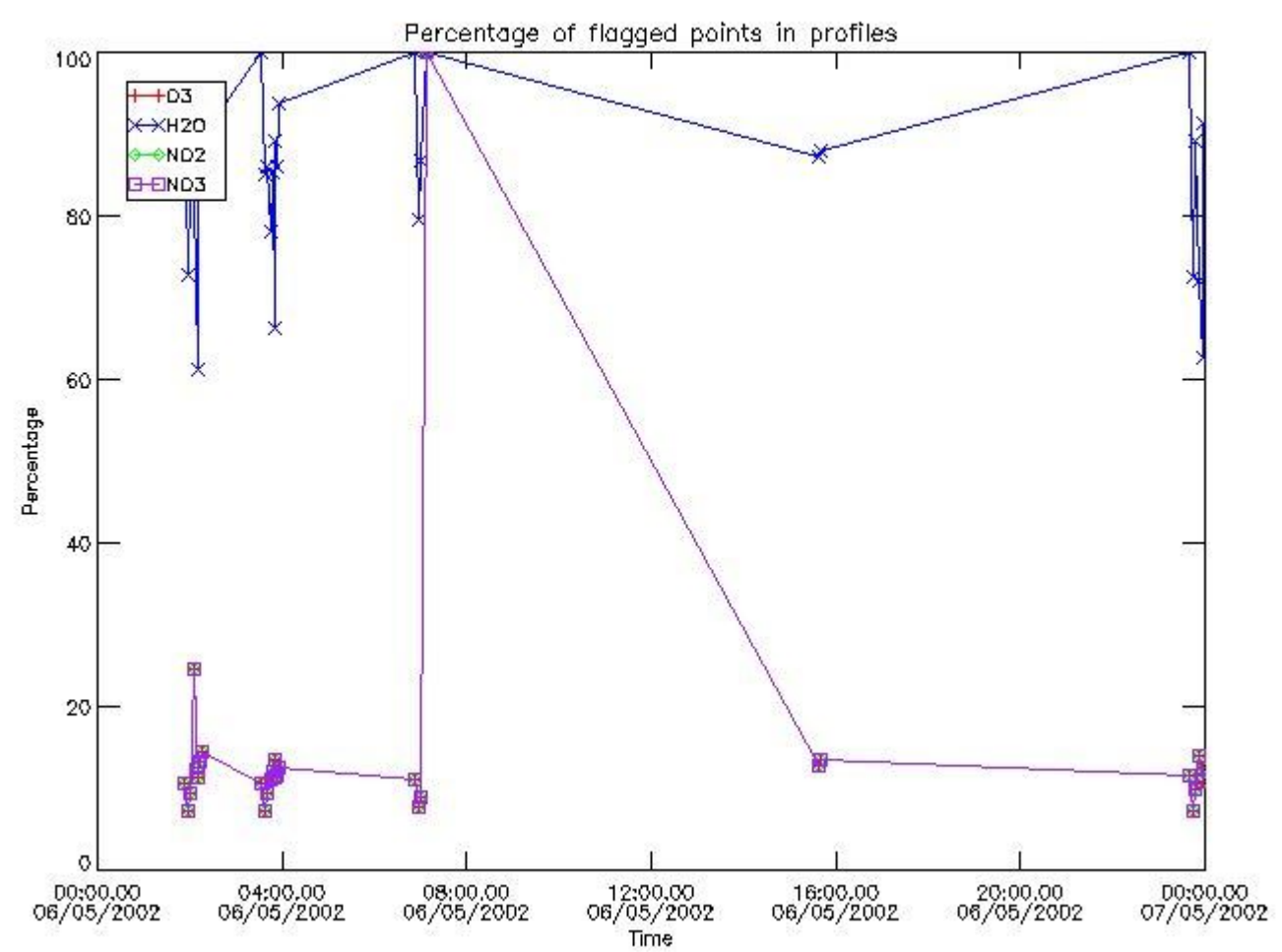
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20020506_011217_000000392005_00389_00944_0753.N1	06-MAY-2002 01:12:17	Dark	38.500	83		2.3780	11000.	77	944	Yes
2	GOM_NL__2PRFIN20020506_011355_000000442005_00389_00944_0754.N1	06-MAY-2002 01:13:55	Bright	44.000	67	5Alp CrB	2.2210	11000.	88	944	No
3	GOM_NL__2PRFIN20020506_011750_000000322005_00389_00944_0755.N1	06-MAY-2002 01:17:50	Bright	32.000	39	85Eta UMa	1.8540	24000.	64	944	No
4	GOM_NL__2PRFIN20020506_011930_000000302005_00389_00944_0756.N1	06-MAY-2002 01:19:30	Bright	30.000	32	77Eps UMa	1.7630	11000.	60	944	No
5	GOM_NL__2PRFIN20020506_012051_000000322005_00389_00944_0757.N1	06-MAY-2002 01:20:51	Bright	32.000	82	48Bet UMa	2.3650	10600.	64	944	No
6	GOM_NL__2PRFIN20020506_012206_000000332005_00389_00944_0758.N1	06-MAY-2002 01:22:06	Bright	33.000	36	50Alp UMa	1.8000	6300.0	66	944	No
7	GOM_NL__2PRFIN20020506_012442_000000402005_00389_00944_0759.N1	06-MAY-2002 01:24:42	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	944	No
8	GOM_NL__2PRFIN20020506_012659_000000492005_00389_00944_0760.N1	06-MAY-2002 01:26:59	Bright	48.500	130	23Bet Dra	2.7990	5800.0	97	944	No
9	GOM_NL__2PRFIN20020506_012918_000000312005_00389_00944_0761.N1	06-MAY-2002 01:29:18	Bright	31.000	49	1Alp UMi	1.9900	6300.0	62	944	No
10	GOM_NL__2PRFIN20020506_013557_000001362005_00389_00944_0762.N1	06-MAY-2002 01:35:57	Bright	135.50	5	3Alp Lyr	0.033000	11000.	271	944	No
11	GOM_NL__2PRFIN20020506_014026_000000592005_00389_00944_0763.N1	06-MAY-2002 01:40:26	Bright	59.000	19	50Alp Cyg	1.2460	10500.	118	944	No
12	GOM_NL__2PRFIN20020506_014226_000000762005_00389_00944_0764.N1	06-MAY-2002 01:42:26	Bright	76.000	66	37Gam Cyg	2.2080	5900.0	152	944	No
13	GOM_NL__2PRFIN20020506_014713_000000472005_00389_00944_0765.N1	06-MAY-2002 01:47:13	Twilight	46.500	164	44Eta Peg	2.9480	5400.0	93	944	No
14	GOM_NL__2PRFIN20020506_015151_000000432005_00389_00944_0766.N1	06-MAY-2002 01:51:51	Dark	43.000	90	54Alp Peg	2.4870	11000.	86	944	No
15	GOM_NL__2PRFIN20020506_015654_000000702005_00389_00944_0767.N1	06-MAY-2002 01:56:54	Dark	70.000	61	8Eps Peg	2.1000	3900.0	140	944	No
16	GOM_NL__2PRFIN20020506_015915_000000552005_00389_00944_0768.N1	06-MAY-2002 01:59:15	Dark	54.500	162	34Alp Aqr	2.9440	5350.0	109	944	No
17	GOM_NL__2PRFIN20020506_020453_000000442005_00389_00944_0769.N1	06-MAY-2002 02:04:53	Dark	43.500	18	24Alp PsA	1.1660	9700.0	87	944	No
18	GOM_NL__2PRFIN20020506_020931_000000412005_00389_00944_0770.N1	06-MAY-2002 02:09:31	Dark	40.500	63	Bet Gru	2.1500	2800.0	81	944	No
19	GOM_NL__2PRFIN20020506_021042_000000412005_00389_00944_0771.N1	06-MAY-2002 02:10:42	Dark	40.500	31	Alp Gru	1.7340	15200.	81	944	No
20	GOM_NL__2PRFIN20020506_021304_000000352005_00390_00945_0753.N1	06-MAY-2002 02:13:04	Dark	34.500	148	Alp Tuc	2.8780	4100.0	69	945	No
21	GOM_NL__2PRFIN20020506_021616_000000392005_00390_00945_0754.N1	06-MAY-2002 02:16:16	Dark	39.000	45	Alp Pav	1.9400	26000.	78	945	No
22	GOM_NL__2PRFIN20020506_022230_000000392005_00390_00945_0755.N1	06-MAY-2002 02:22:30	Straylight	38.500	43	Alp Tra	1.9100	4250.0	77	945	No
23	GOM_NL__2PRFIN20020506_022438_000000402005_00390_00945_0756.N1	06-MAY-2002 02:24:38	Straylight	39.500	147	Alp Ara	2.8770	26000.	79	945	No
24	GOM_NL__2PRFIN20020506_022557_000000502005_00390_00945_0757.N1	06-MAY-2002 02:25:57	Straylight	49.500	40	The Sco	1.8590	7100.0	99	945	No
25	GOM_NL__2PRFIN20020506_022746_000000552005_00390_00945_0758.N1	06-MAY-2002 02:27:46	Straylight	54.500	25	35Lam Sco	1.6200	28000.	109	945	No
26	GOM_NL__2PRFIN20020506_023007_000000372005_00390_00945_0759.N1	06-MAY-2002 02:30:07	Straylight	37.000	78	Alp Lup	2.3040	28000.	74	945	No
27	GOM_NL__2PRFIN20020506_023139_000000362005_00390_00945_0760.N1	06-MAY-2002 02:31:39	Straylight	35.500	81	Eta Cen	2.3560	28000.	71	945	No
28	GOM_NL__2PRFIN20020506_023317_000000482005_00390_00945_0761.N1	06-MAY-2002 02:33:17	Twilight	47.500	136	23Tau Sco	2.8220	30000.	95	945	No
29	GOM_NL__2PRFIN20020506_023456_000000452005_00390_00945_0762.N1	06-MAY-2002 02:34:56	Twilight	45.000	158	6Pi Sco	2.9060	28000.	90	945	No
30	GOM_NL__2PRFIN20020506_023710_000000472005_00390_00945_0763.N1	06-MAY-2002 02:37:10	Bright	47.000	97	8Bet1Sco	2.5610	30000.	94	945	No
31	GOM_NL__2PRFIN20020506_023907_000000362005_00390_00945_0764.N1	06-MAY-2002 02:39:07	Bright	35.500	122	9Alp2Lib	2.7470	9700.0	71	945	No
32	GOM_NL__2PRFIN20020506_024110_000000352005_00390_00945_0765.N1	06-MAY-2002 02:41:10	Bright	34.500	15	67Alp Vir	0.97600	28000.	69	945	No
33	GOM_NL__2PRFIN20020506_024417_000000332005_00390_00945_0766.N1	06-MAY-2002 02:44:17	Bright	33.000	121	29Gam Vir	2.7400	7200.0	66	945	No
34	GOM_NL__2PRFIN20020506_024731_000000342005_00390_00945_0767.N1	06-MAY-2002 02:47:31	Bright	33.500	138	47Eps Vir	2.8280	4700.0	67	945	No
35	GOM_NL__2PRFIN20020506_024957_000000522005_00390_00945_0768.N1	06-MAY-2002 02:49:57	Bright	52.000	3	16Alp Boo	-0.050000	4250.0	104	945	No
36	GOM_NL__2PRFIN20020506_025252_000000392005_00390_00945_0769.N1	06-MAY-2002 02:52:52	Bright	39.000	83		2.3780	11000.	78	945	No
37	GOM_NL__2PRFIN20020506_025430_000000462005_00390_00945_0770.N1	06-MAY-2002 02:54:30	Bright	46.000	67	5Alp CrB	2.2210	11000.	92	945	No
38	GOM_NL__2PRFIN20020506_025825_000000332005_00390_00945_0771.N1	06-MAY-2002 02:58:25	Bright	33.000	39	85Eta UMa	1.8540	24000.	66	945	No
39	GOM_NL__2PRFIN20020506_030006_000000342005_00390_00945_0772.N1	06-MAY-2002 03:00:06	Bright	33.500	32	77Eps UMa	1.7630	11000.	67	945	No
40	GOM_NL__2PRFIN20020506_030128_000000312005_00390_00945_0773.N1	06-MAY-2002 03:01:28	Bright	31.000	82	48Bet UMa	2.3650	10600.	62	945	No
41	GOM_NL__2PRFIN20020506_030242_000000352005_00390_00945_0774.N1	06-MAY-2002 03:02:42	Bright	34.500	36	50Alp UMa	1.8000	6300.0	69	945	No
42	GOM_NL__2PRFIN20020506_030517_000000402005_00390_00945_0775.N1	06-MAY-2002 03:05:17	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	945	No

102	GOM_NL__2PRFIN20020506_065845_000000662005_00392_00947_0771.N1	06-MAY-2002 06:58:45	Dark	66.000	61	8Eps Peg	2.1000	3900.0	132	947	No
103	GOM_NL__2PRFIN20020506_070106_000000582005_00392_00947_0772.N1	06-MAY-2002 07:01:06	Dark	57.500	162	34Alp Aqr	2.9440	5350.0	115	947	No
104	GOM_NL__2PRFIN20020506_070642_000000052005_00392_00947_0773.N1	06-MAY-2002 07:06:42	Dark	4.5000	18	24Alp PsA	1.1660	9700.0	9	947	No
105	GOM_NL__2PRFIN20020506_124047_000000152005_00396_00951_0758.N1	06-MAY-2002 12:40:47	Dark	14.500	97	8Bet1Sco	2.5610	30000.	29	951	Yes
106	GOM_NL__2PRFIN20020506_153755_000000362005_00398_00953_0759.N1	06-MAY-2002 15:37:55	Dark	36.000	148	Alp Tuc	2.8780	4100.0	72	953	No
107	GOM_NL__2PRFIN20020506_154109_000000382005_00398_00953_0760.N1	06-MAY-2002 15:41:09	Dark	38.000	45	Alp Pav	1.9400	26000.	76	953	No
108	GOM_NL__2PRFIN20020506_154720_000000362005_00398_00953_0761.N1	06-MAY-2002 15:47:20	Straylight	36.000	43	Alp TrA	1.9100	4250.0	72	953	No
109	GOM_NL__2PRFIN20020506_154931_000000412005_00398_00953_0762.N1	06-MAY-2002 15:49:31	Straylight	40.500	147	Alp Ara	2.8770	26000.	81	953	No
110	GOM_NL__2PRFIN20020506_155050_000000522005_00398_00953_0763.N1	06-MAY-2002 15:50:50	Straylight	51.500	40	The Sco	1.8590	7100.0	103	953	No
111	GOM_NL__2PRFIN20020506_155240_000000562005_00398_00953_0764.N1	06-MAY-2002 15:52:40	Straylight	56.000	25	35Lam Sco	1.6200	28000.	112	953	No
112	GOM_NL__2PRFIN20020506_155457_000000052005_00398_00953_0765.N1	06-MAY-2002 15:54:57	Straylight	5.0000	78	Alp Lup	2.3040	28000.	10	953	No
113	GOM_NL__2PRFIN20020506_223507_000000542005_00402_00957_0764.N1	06-MAY-2002 22:35:07	Dark	53.500	25	35Lam Sco	1.6200	28000.	107	957	Yes
114	GOM_NL__2PRFIN20020506_223722_000000382005_00402_00957_0765.N1	06-MAY-2002 22:37:22	Straylight	37.500	78	Alp Lup	2.3040	28000.	75	957	No
115	GOM_NL__2PRFIN20020506_223853_000000372005_00402_00957_0766.N1	06-MAY-2002 22:38:53	Straylight	36.500	81	Eta Cen	2.3560	28000.	73	957	No
116	GOM_NL__2PRFIN20020506_224033_000000492005_00402_00957_0767.N1	06-MAY-2002 22:40:33	Tw_i_and_stray	48.500	136	23Tau Sco	2.8220	30000.	97	957	No
117	GOM_NL__2PRFIN20020506_224210_000000452005_00402_00957_0768.N1	06-MAY-2002 22:42:10	Tw_i_and_stray	45.000	158	6Pi Sco	2.9060	28000.	90	957	No
118	GOM_NL__2PRFIN20020506_224423_000000482005_00402_00957_0769.N1	06-MAY-2002 22:44:23	Bright	48.000	97	8Bet1Sco	2.5610	30000.	96	957	No
119	GOM_NL__2PRFIN20020506_224619_000000382005_00402_00957_0770.N1	06-MAY-2002 22:46:19	Bright	37.500	122	9Alp2Lib	2.7470	9700.0	75	957	No
120	GOM_NL__2PRFIN20020506_224822_000000352005_00402_00957_0771.N1	06-MAY-2002 22:48:22	Bright	34.500	15	67Alp Vir	0.97600	28000.	69	957	No
121	GOM_NL__2PRFIN20020506_225130_000000342005_00402_00957_0772.N1	06-MAY-2002 22:51:30	Bright	34.000	121	29Gam Vir	2.7400	7200.0	68	957	No
122	GOM_NL__2PRFIN20020506_225443_000000322005_00402_00957_0773.N1	06-MAY-2002 22:54:43	Bright	31.500	138	47Eps Vir	2.8280	4700.0	63	957	No
123	GOM_NL__2PRFIN20020506_225706_000000412005_00402_00957_0774.N1	06-MAY-2002 22:57:06	Bright	40.500	3	16Alp Boo	-0.050000	4250.0	81	957	No
124	GOM_NL__2PRFIN20020506_225959_000000392005_00402_00957_0775.N1	06-MAY-2002 22:59:59	Bright	39.000	83		2.3780	11000.	78	957	No
125	GOM_NL__2PRFIN20020506_230131_000000482005_00402_00957_0776.N1	06-MAY-2002 23:01:31	Bright	47.500	67	5Alp CrB	2.2210	11000.	95	957	No
126	GOM_NL__2PRFIN20020506_230535_000000332005_00402_00957_0777.N1	06-MAY-2002 23:05:35	Bright	33.000	39	85Eta UMa	1.8540	24000.	66	957	No
127	GOM_NL__2PRFIN20020506_230717_000000342005_00402_00957_0778.N1	06-MAY-2002 23:07:17	Bright	34.000	32	77Eps UMa	1.7630	11000.	68	957	No
128	GOM_NL__2PRFIN20020506_230842_000000352005_00402_00957_0779.N1	06-MAY-2002 23:08:42	Bright	35.000	82	48Bet UMa	2.3650	10600.	70	957	No
129	GOM_NL__2PRFIN20020506_230957_000000342005_00402_00957_0780.N1	06-MAY-2002 23:09:57	Bright	34.000	36	50Alp UMa	1.8000	6300.0	68	957	No
130	GOM_NL__2PRFIN20020506_231221_000000402005_00402_00957_0781.N1	06-MAY-2002 23:12:21	Bright	40.000	119	14Eta Dra	2.7270	4700.0	80	957	No
131	GOM_NL__2PRFIN20020506_231432_000000482005_00402_00957_0782.N1	06-MAY-2002 23:14:32	Bright	48.000	130	23Bet Dra	2.7990	5800.0	96	957	No
132	GOM_NL__2PRFIN20020506_231705_000000322005_00402_00957_0783.N1	06-MAY-2002 23:17:05	Bright	32.000	49	1Alp UMi	1.9900	6300.0	64	957	No
133	GOM_NL__2PRFIN20020506_232316_000001312005_00402_00957_0784.N1	06-MAY-2002 23:23:16	Bright	130.50	5	3Alp Lyr	0.033000	11000.	261	957	No
134	GOM_NL__2PRFIN20020506_232806_000000612005_00402_00957_0785.N1	06-MAY-2002 23:28:06	Bright	61.000	19	50Alp Cyg	1.2460	10500.	122	957	No
135	GOM_NL__2PRFIN20020506_233006_000000772005_00402_00957_0786.N1	06-MAY-2002 23:30:06	Bright	77.000	66	37Gam Cyg	2.2080	5900.0	154	957	No
136	GOM_NL__2PRFIN20020506_233502_000000472005_00402_00957_0787.N1	06-MAY-2002 23:35:02	Tw_i_and_stray	47.000	164	44Eta Peg	2.9480	5400.0	94	957	No
137	GOM_NL__2PRFIN20020506_233943_000000442005_00402_00957_0788.N1	06-MAY-2002 23:39:43	Dark	44.000	90	54Alp Peg	2.4870	11000.	88	957	No
138	GOM_NL__2PRFIN20020506_234456_000000722005_00402_00957_0789.N1	06-MAY-2002 23:44:56	Dark	71.500	61	8Eps Peg	2.1000	3900.0	143	957	No
139	GOM_NL__2PRFIN20020506_234715_000000512005_00402_00957_0790.N1	06-MAY-2002 23:47:15	Dark	51.000	162	34Alp Aqr	2.9440	5350.0	102	957	No
140	GOM_NL__2PRFIN20020506_235247_000000442005_00402_00957_0791.N1	06-MAY-2002 23:52:47	Dark	43.500	18	24Alp PsA	1.1660	9700.0	87	957	No
141	GOM_NL__2PRFIN20020506_235724_000000422005_00402_00957_0792.N1	06-MAY-2002 23:57:24	Dark	42.000	63	Bet Gru	2.1500	2800.0	84	957	No
142	GOM_NL__2PRFIN20020506_235837_000000412005_00402_00957_0793.N1	06-MAY-2002 23:58:37	Dark	40.500	31	Alp Gru	1.7340	15200.	81	957	No

3. Quality information per product

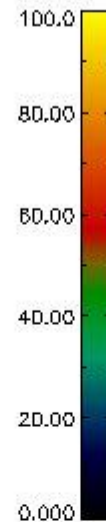
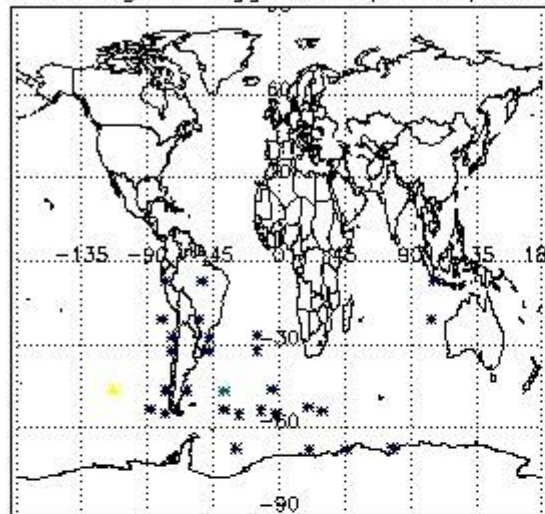
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

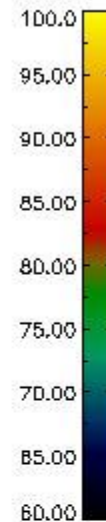
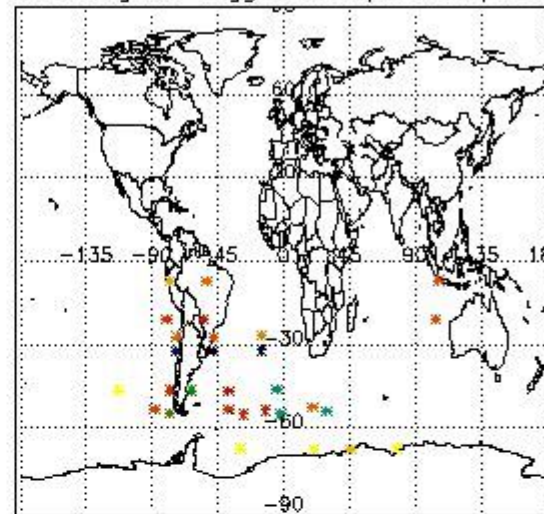


3.2 Plot quality information per product (world map)

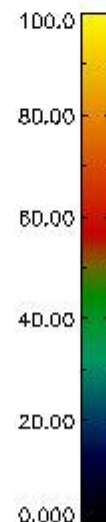
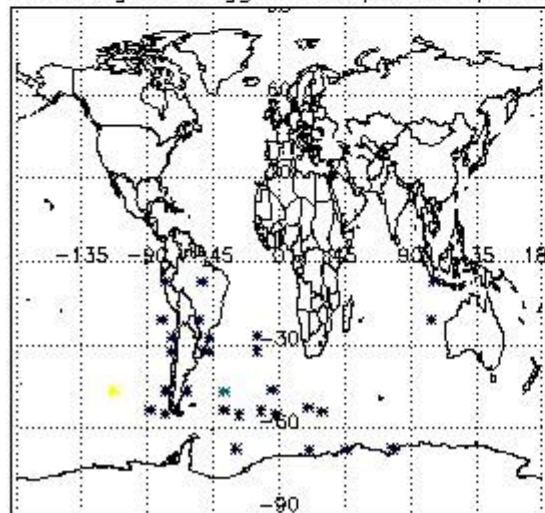
Percentage of flagged data per O3 profile



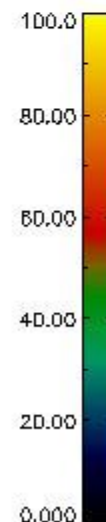
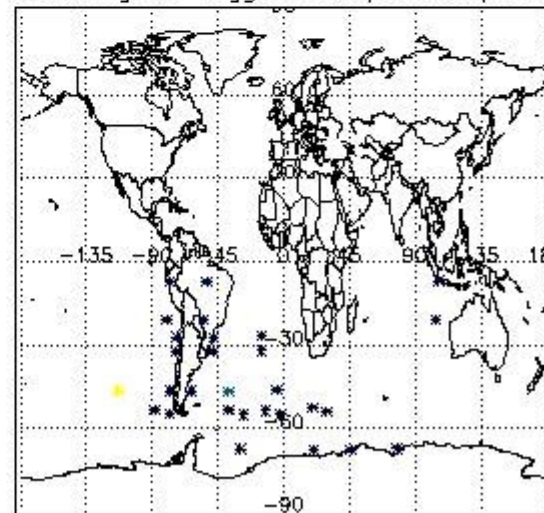
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

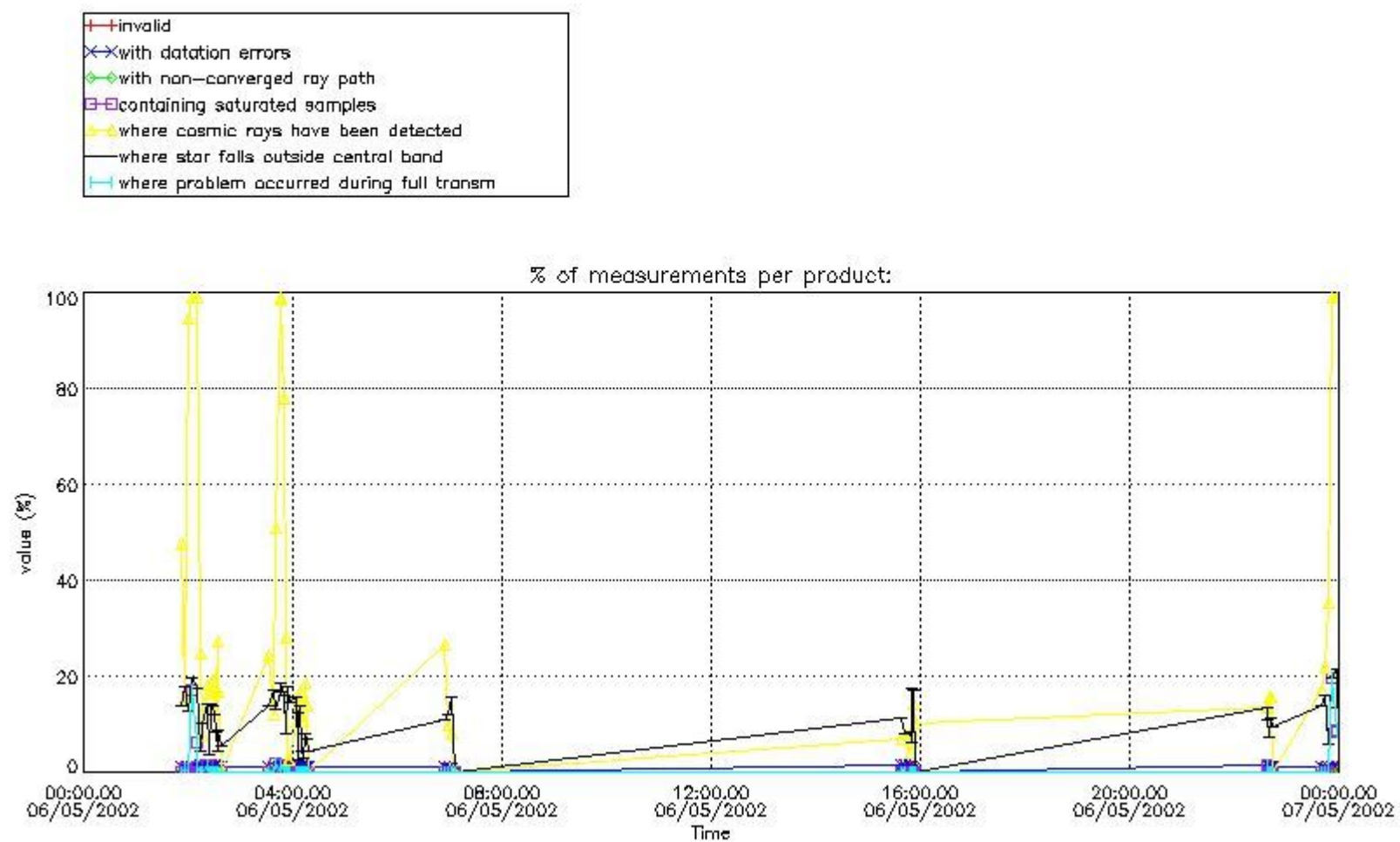


4. Level 1 quality information per product

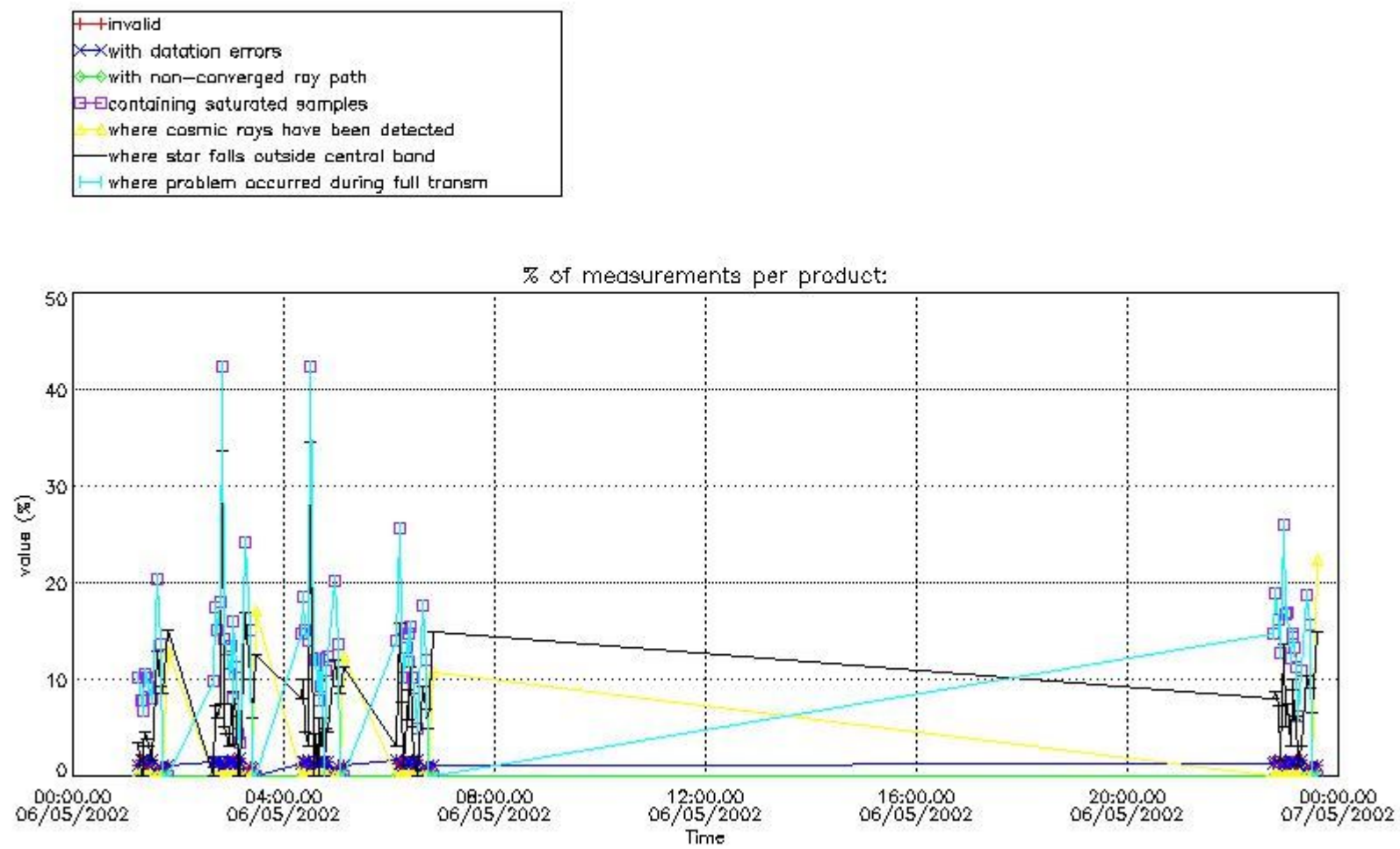
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



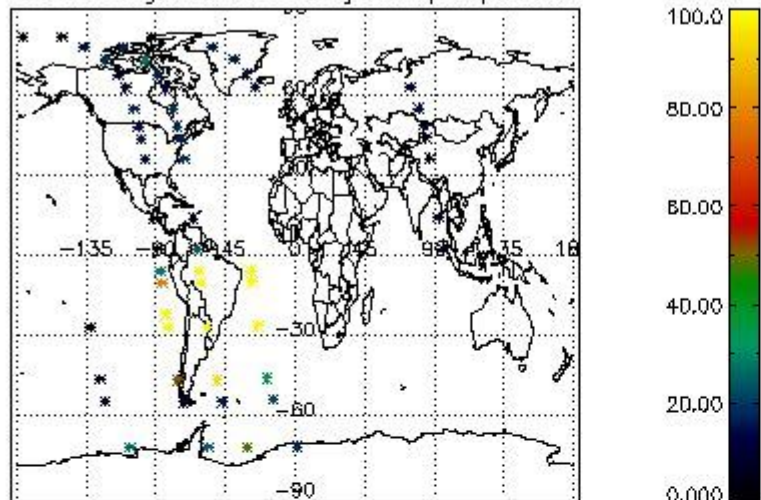
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



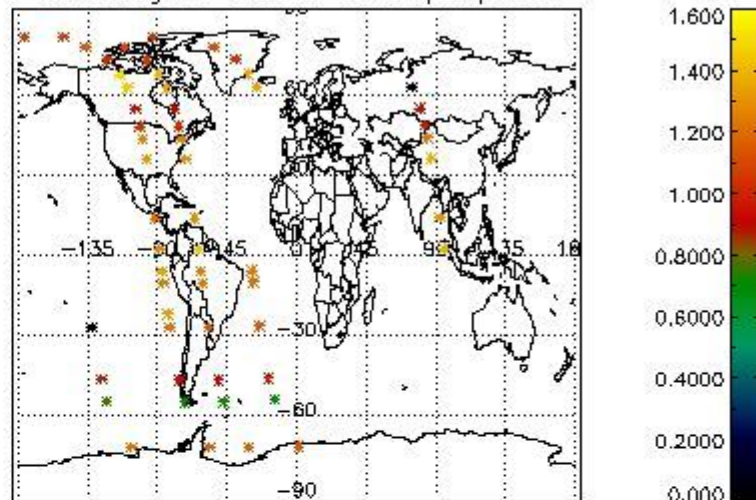
4.2 Plot quality information per product coming from level 1b processing (world map)

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

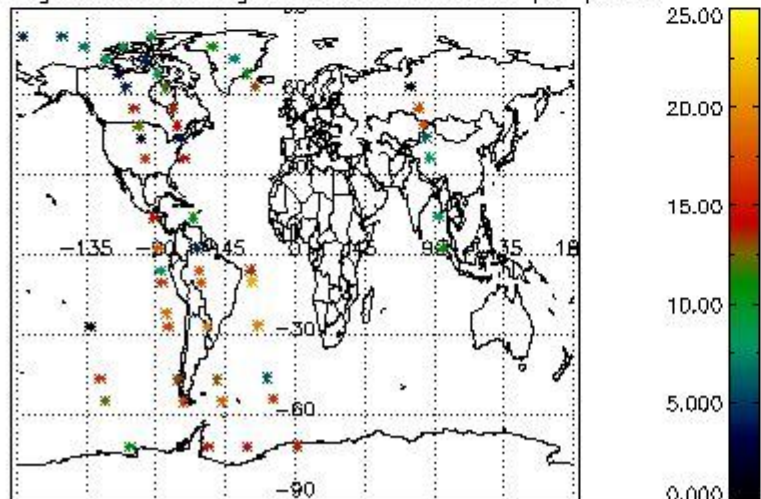
Percentage of cosmic ray hits per profile



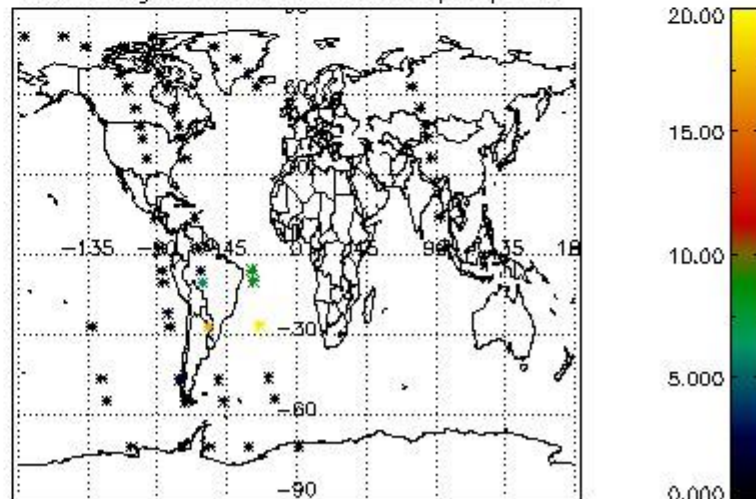
Percentage of datation errors per profile



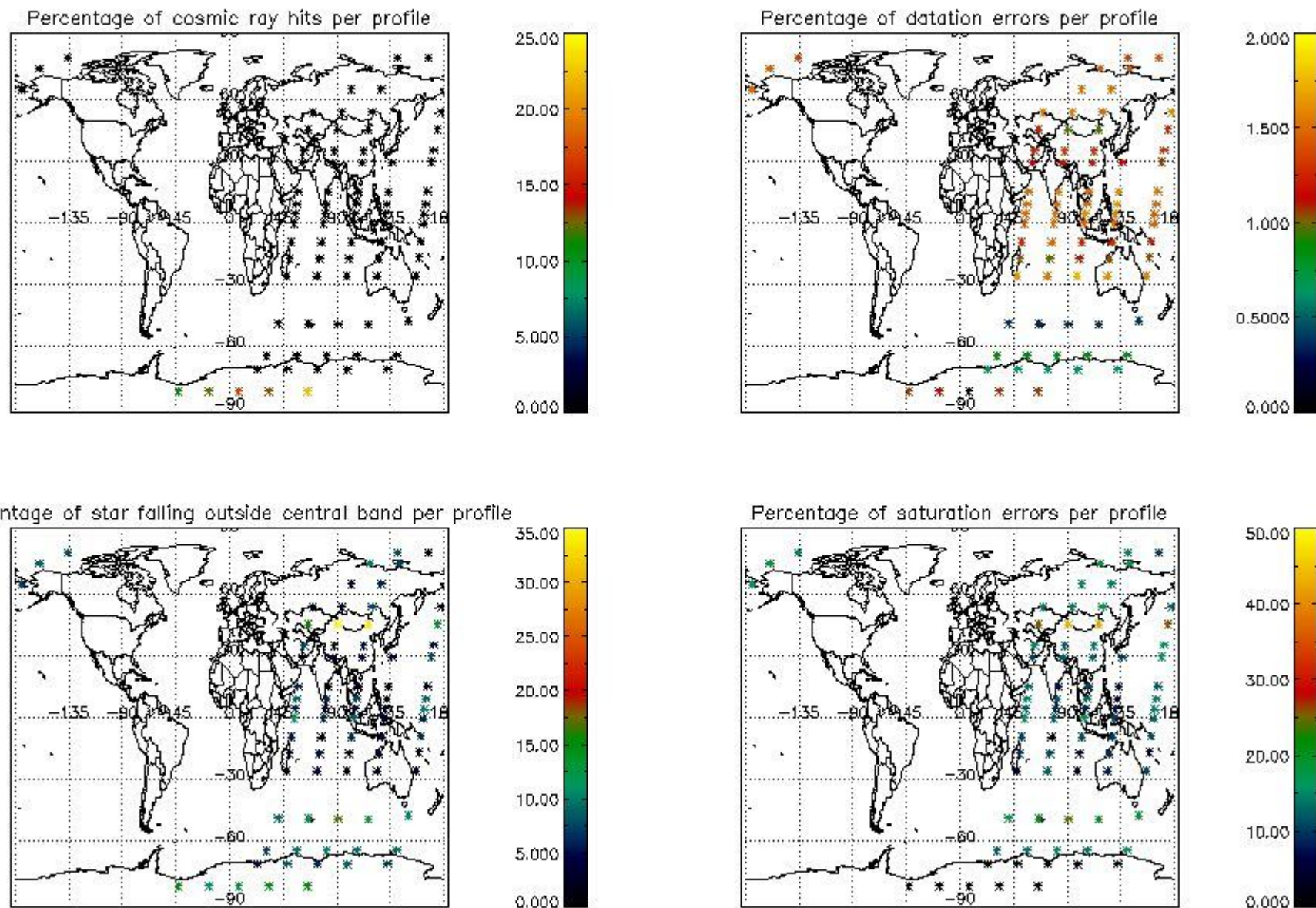
Percentage of star falling outside central band per profile



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

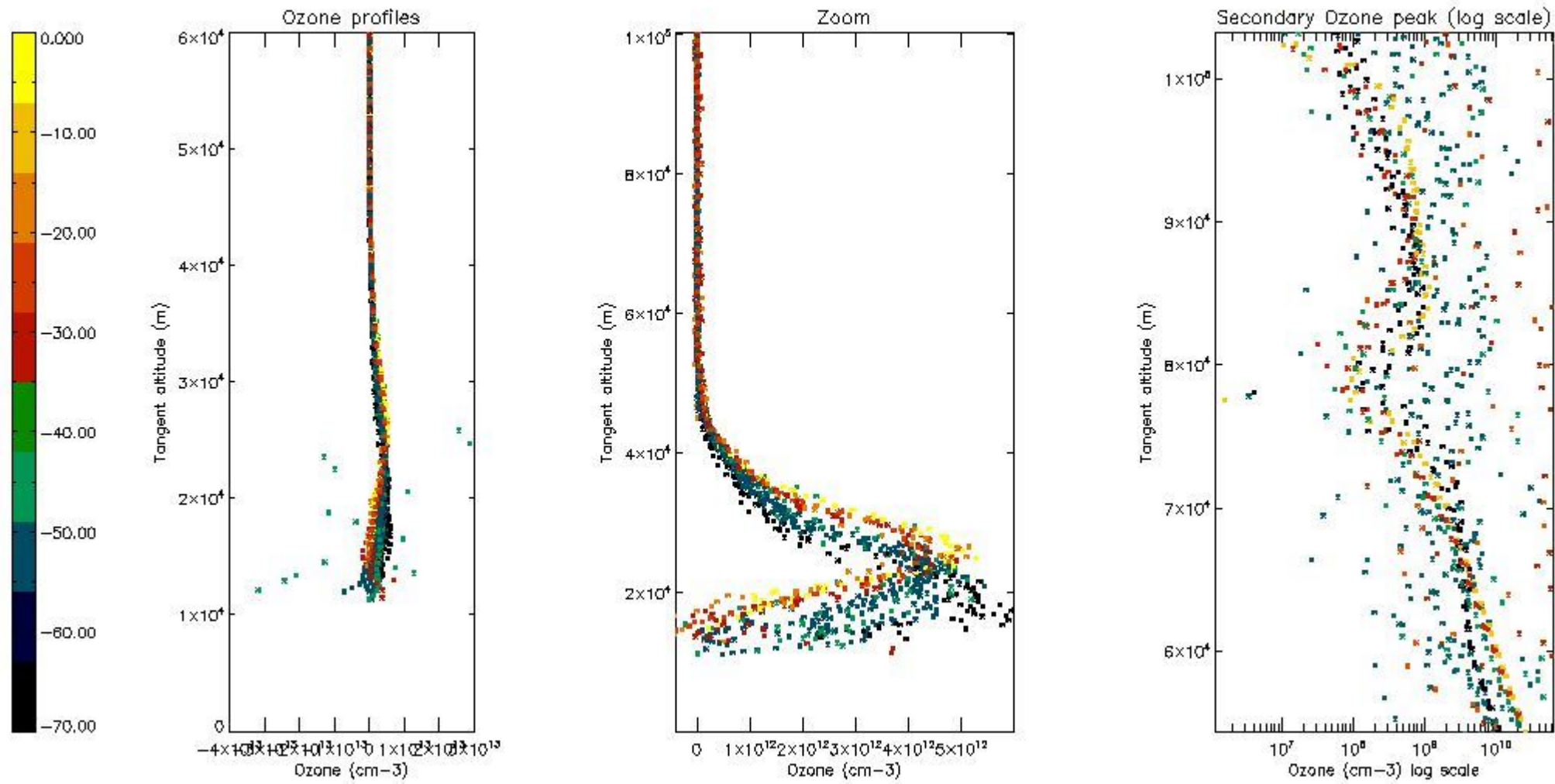
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	21
STD < 20	11

STD < 10	9
STD < 5	5

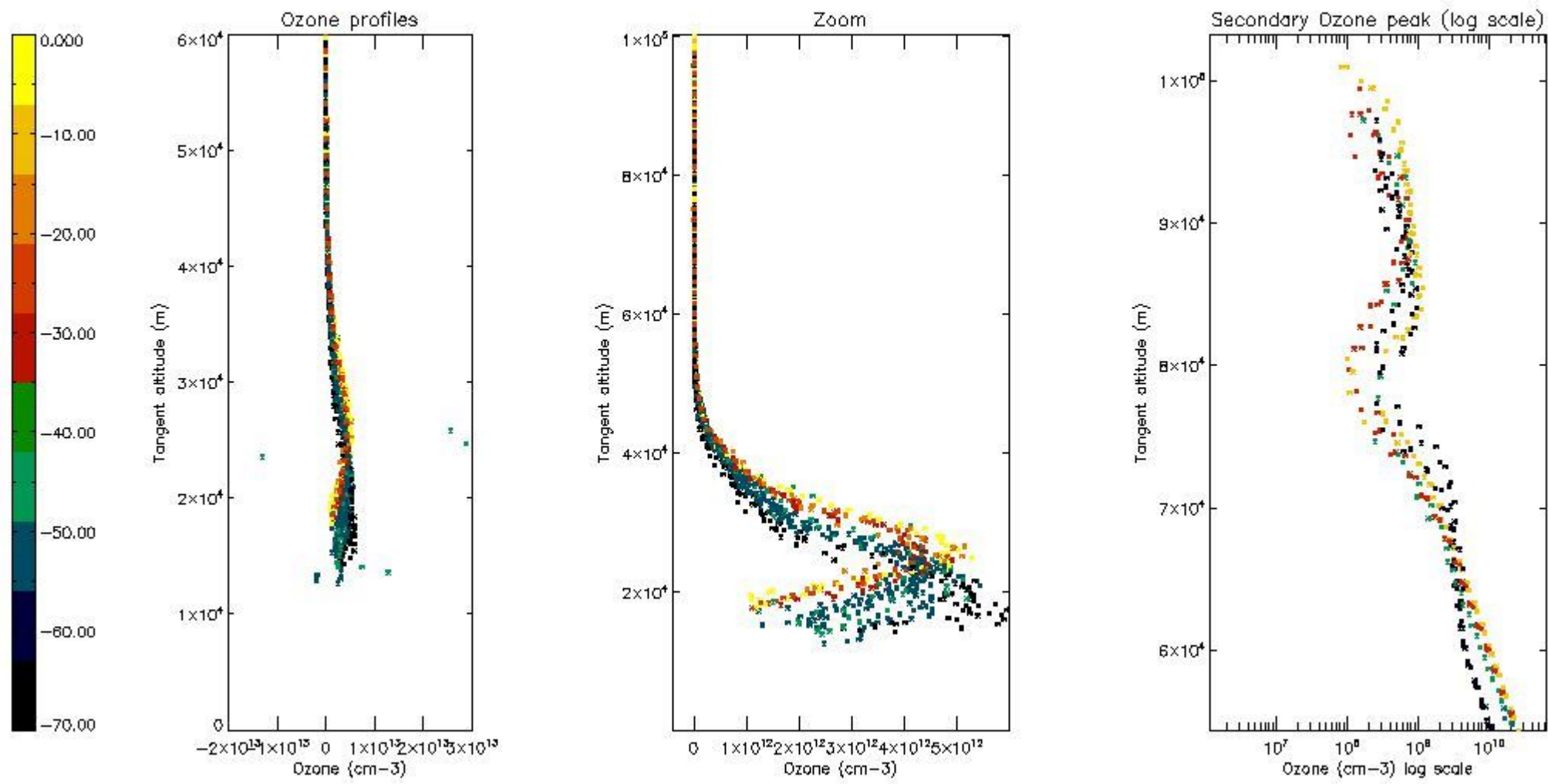
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



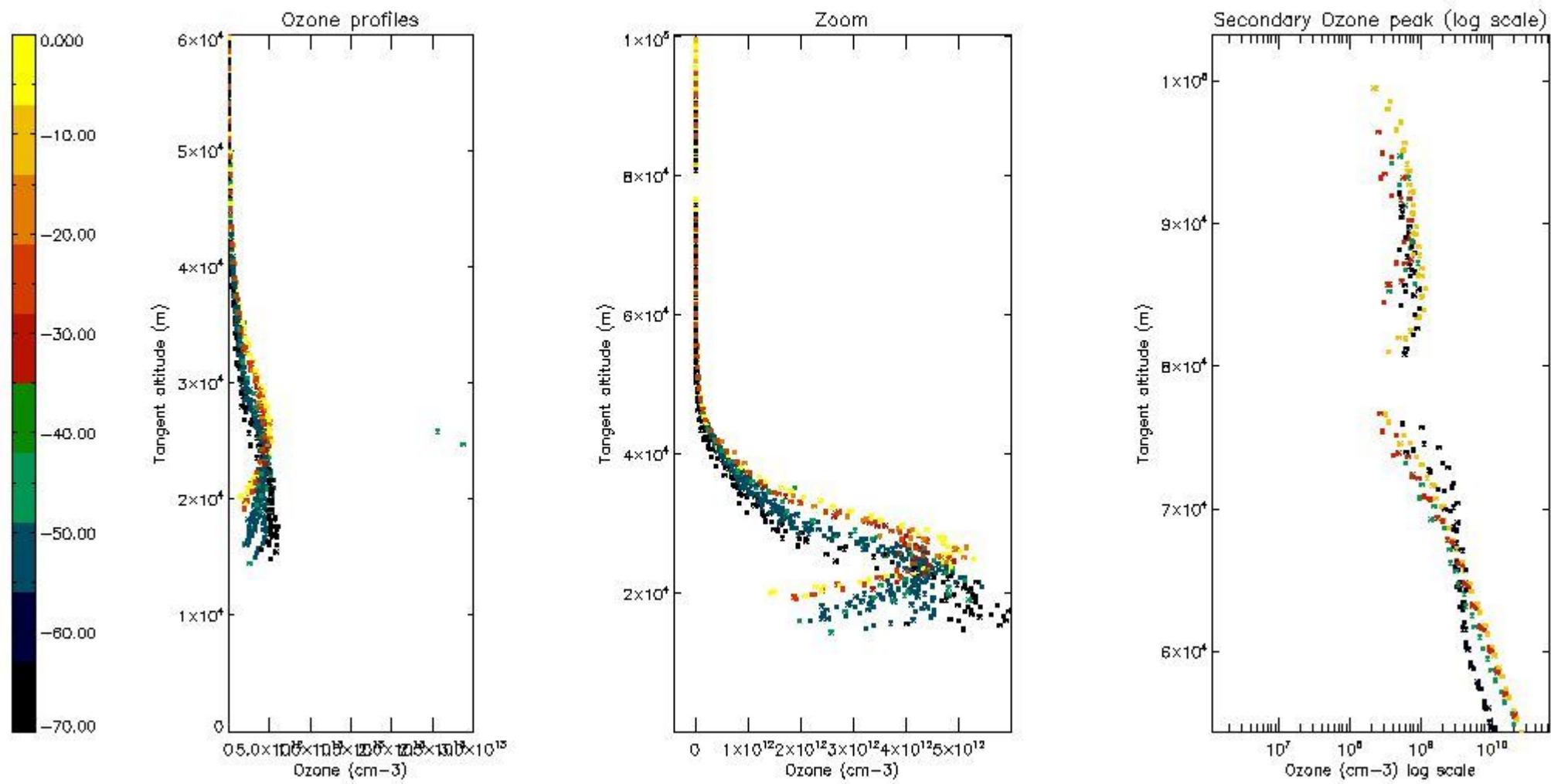
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



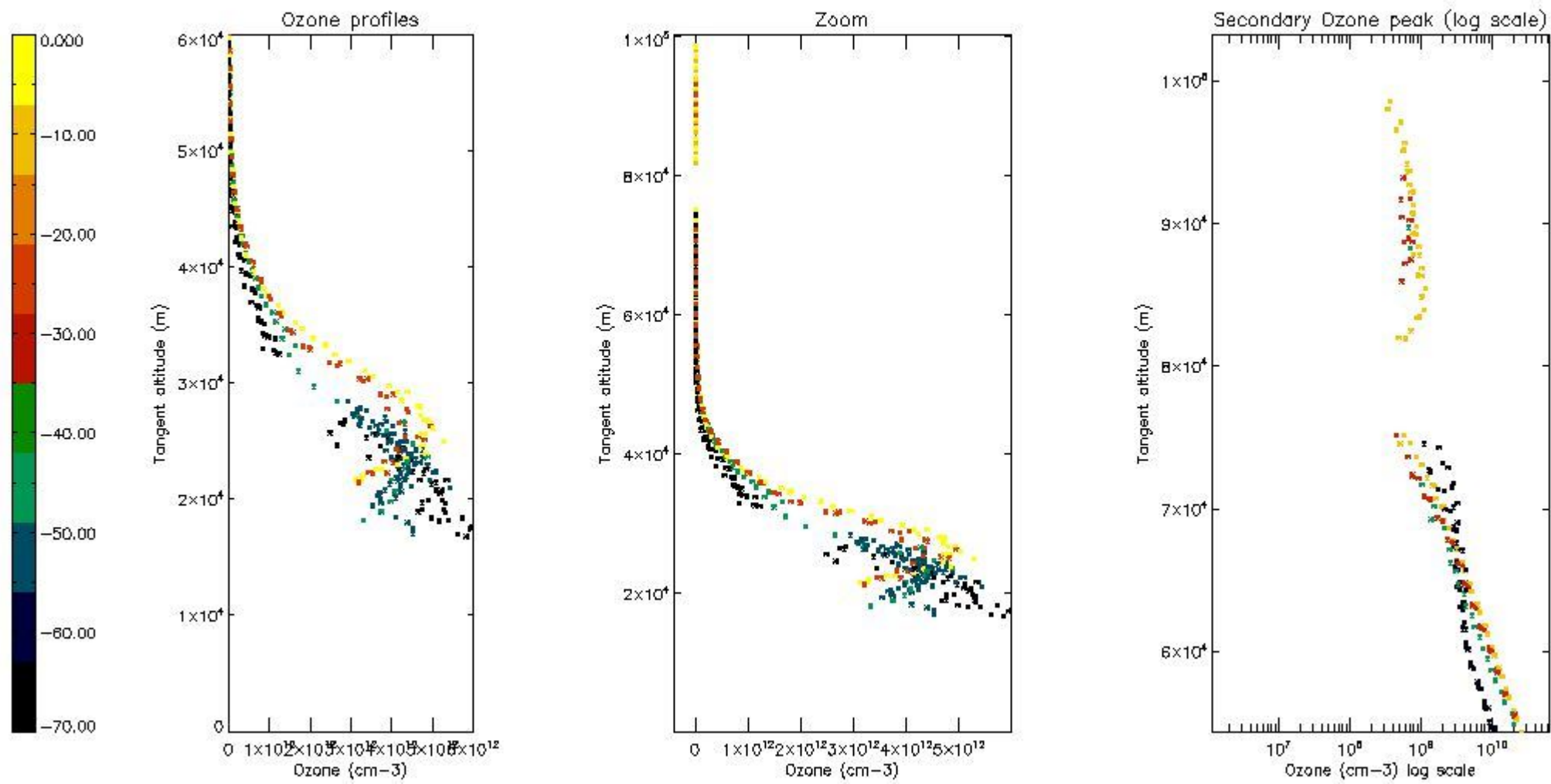
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



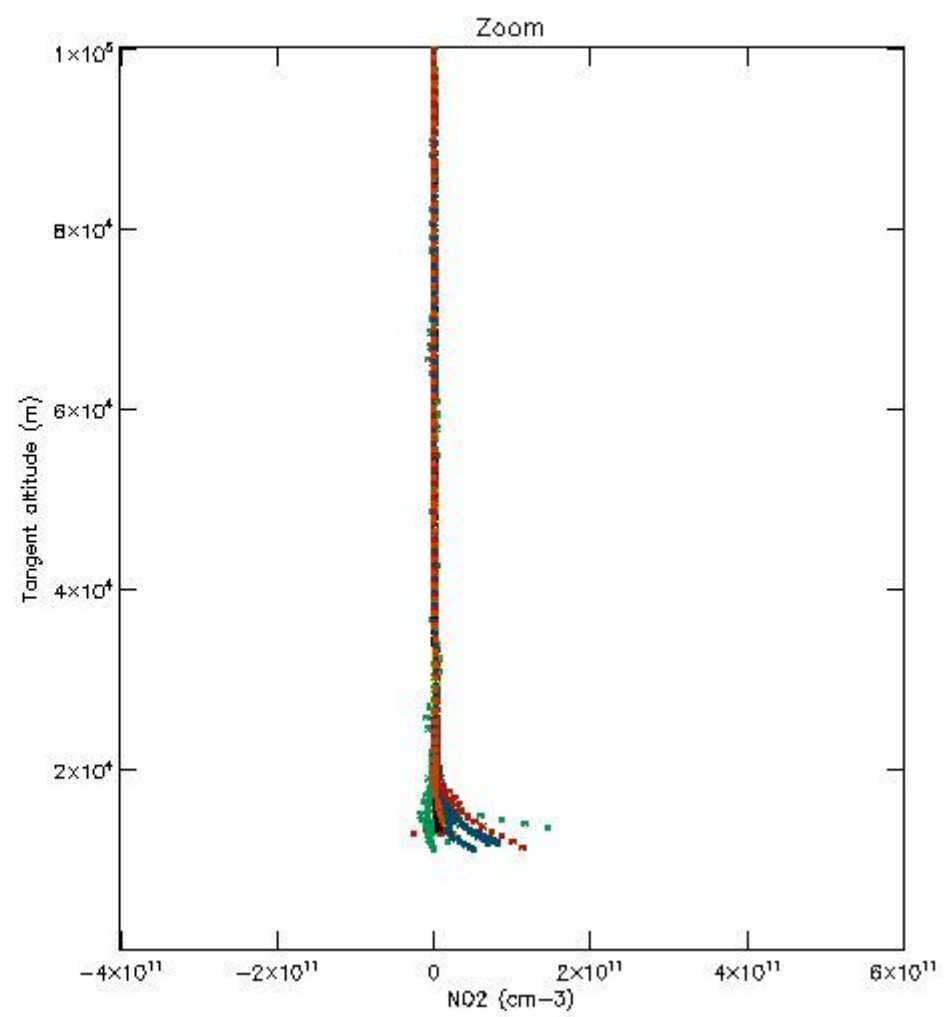
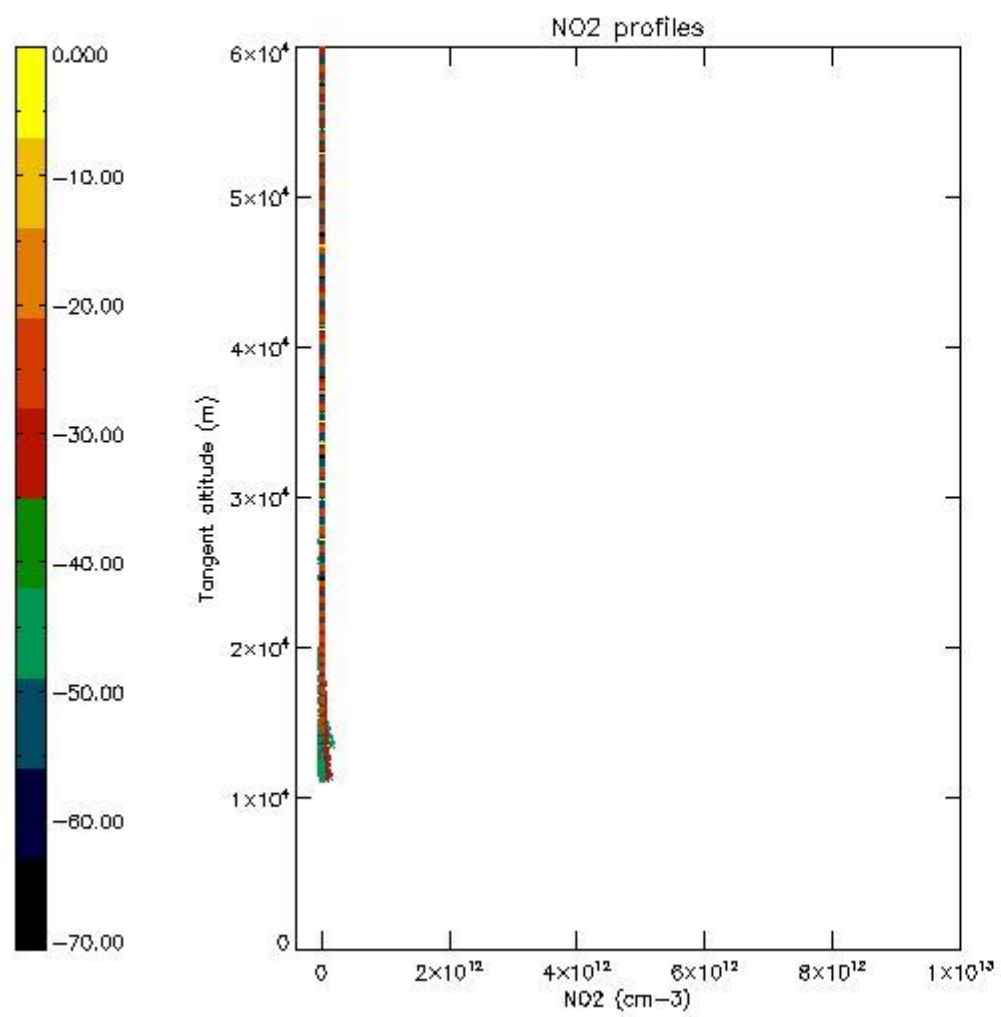
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



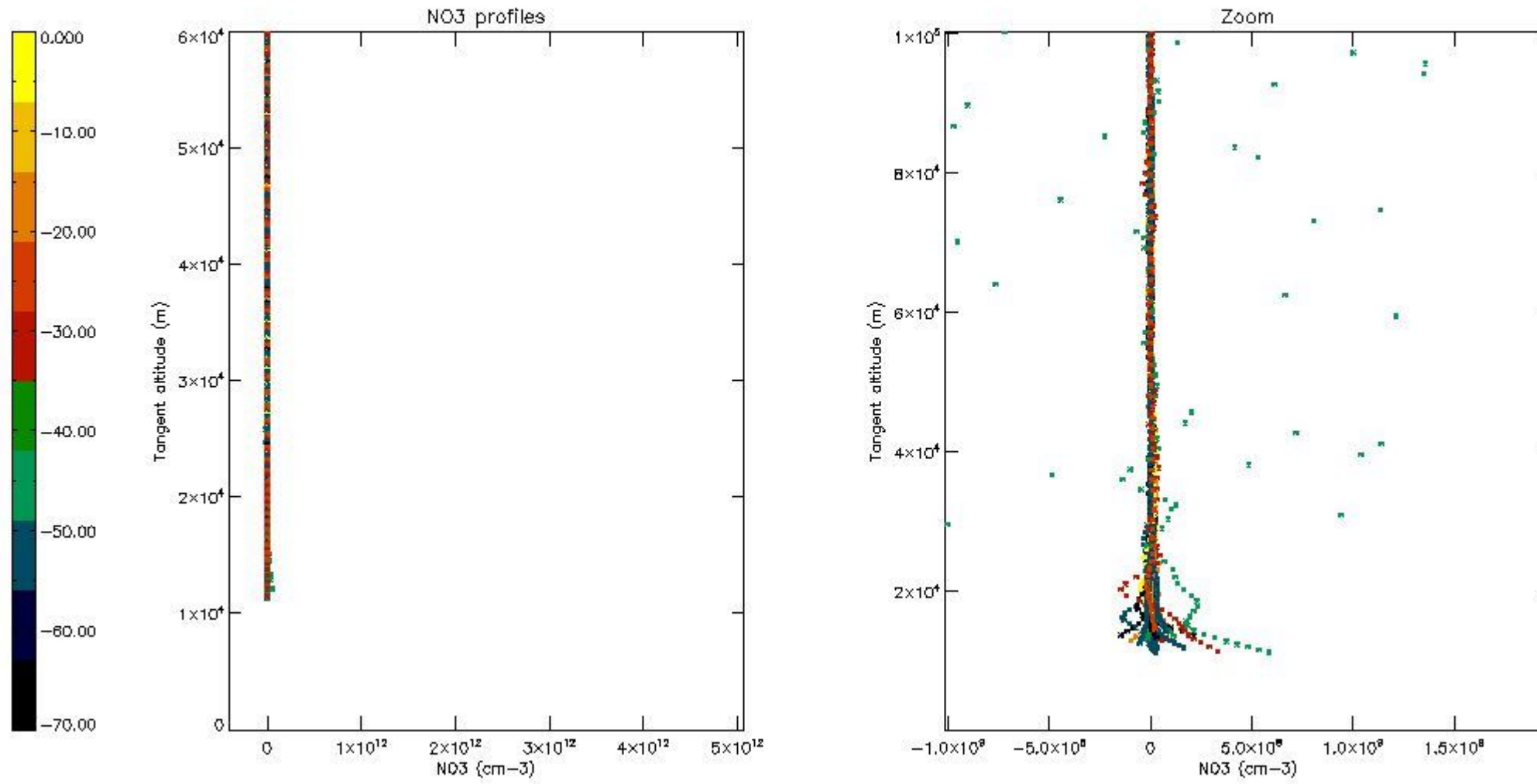
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

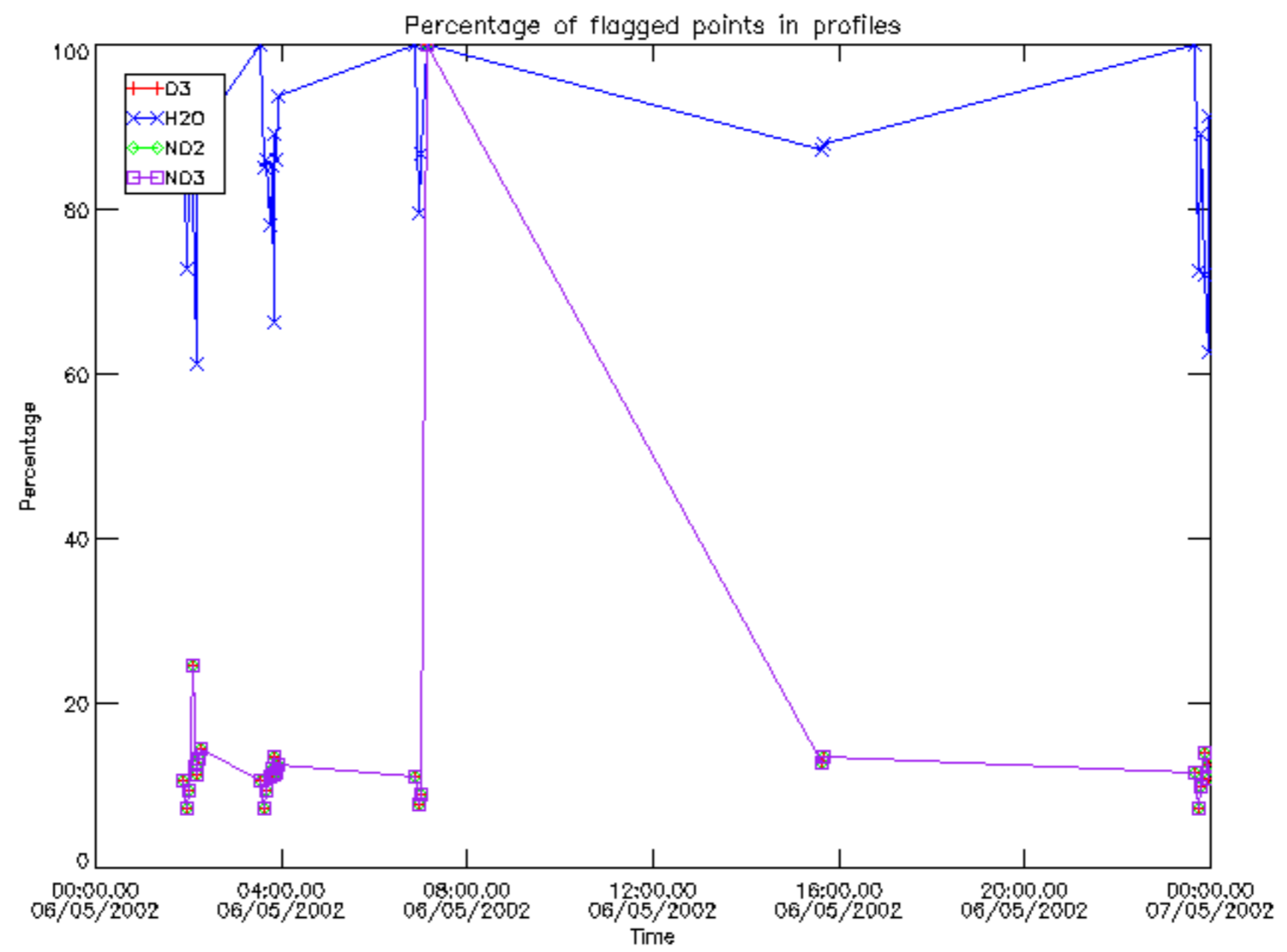
The colorbar represents the latitude.



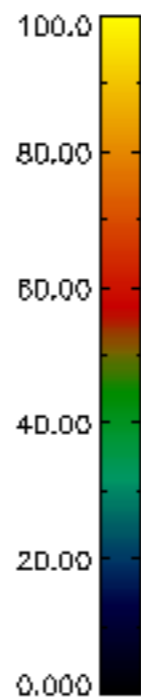
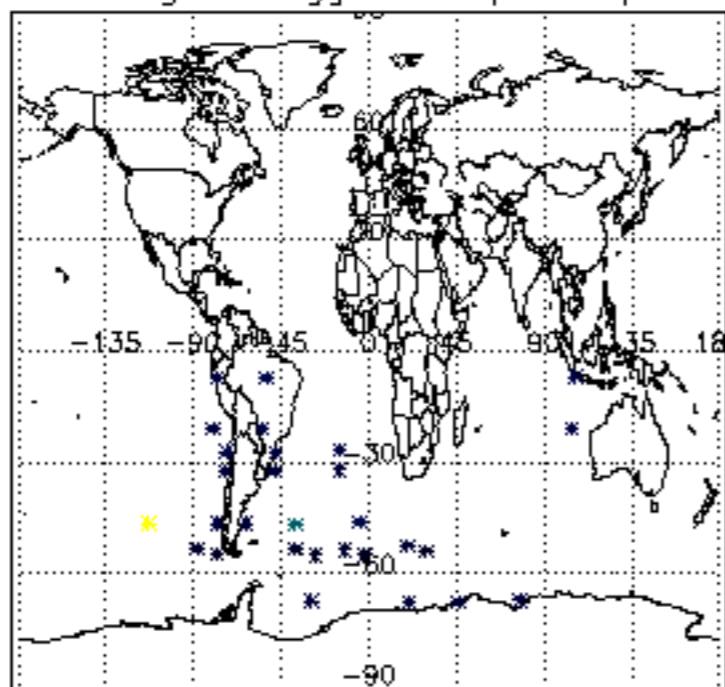
6. Auxiliary Data Files used for the production reported in section 2

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.

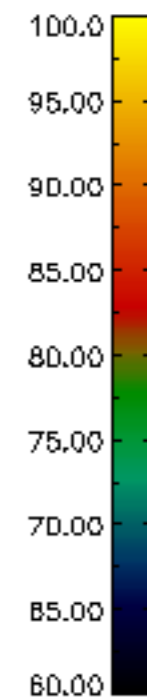
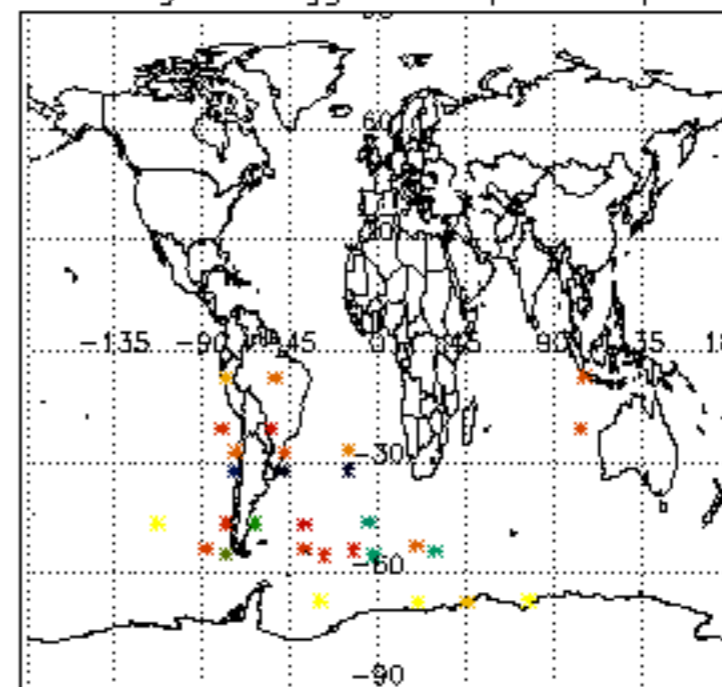
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150440_20020301_000000_20100101_000000	1	06-MAY-2002 01:12:17
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	06-MAY-2002 01:12:17
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	06-MAY-2002 01:12:17



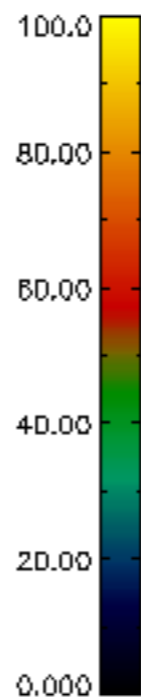
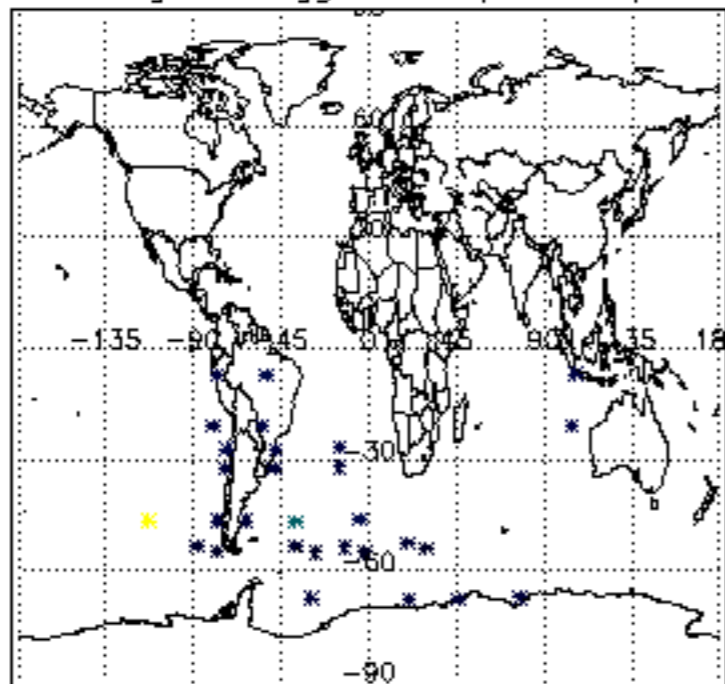
Percentage of flagged data per D3 profile



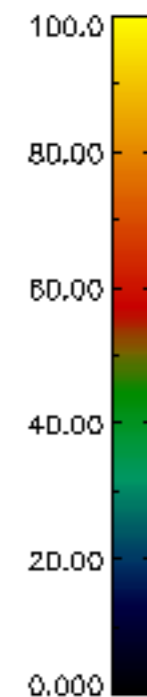
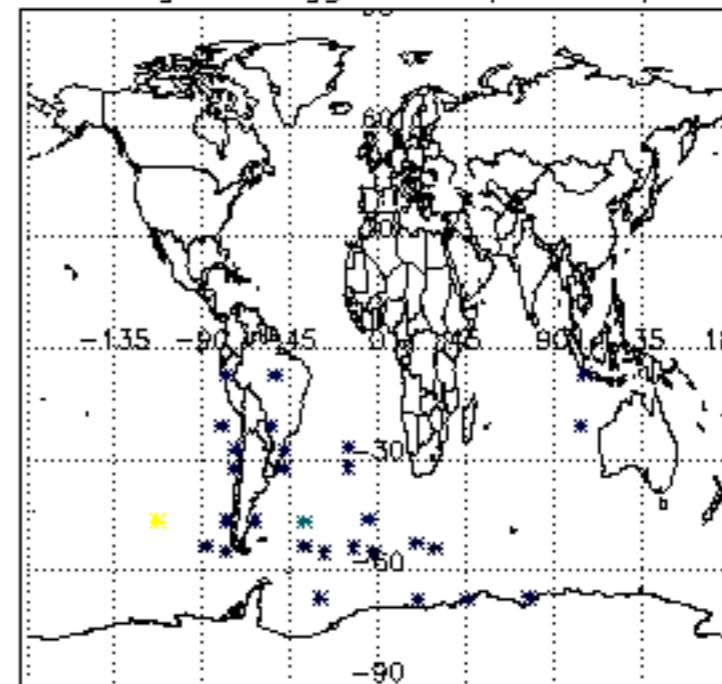
Percentage of flagged data per H2O profile

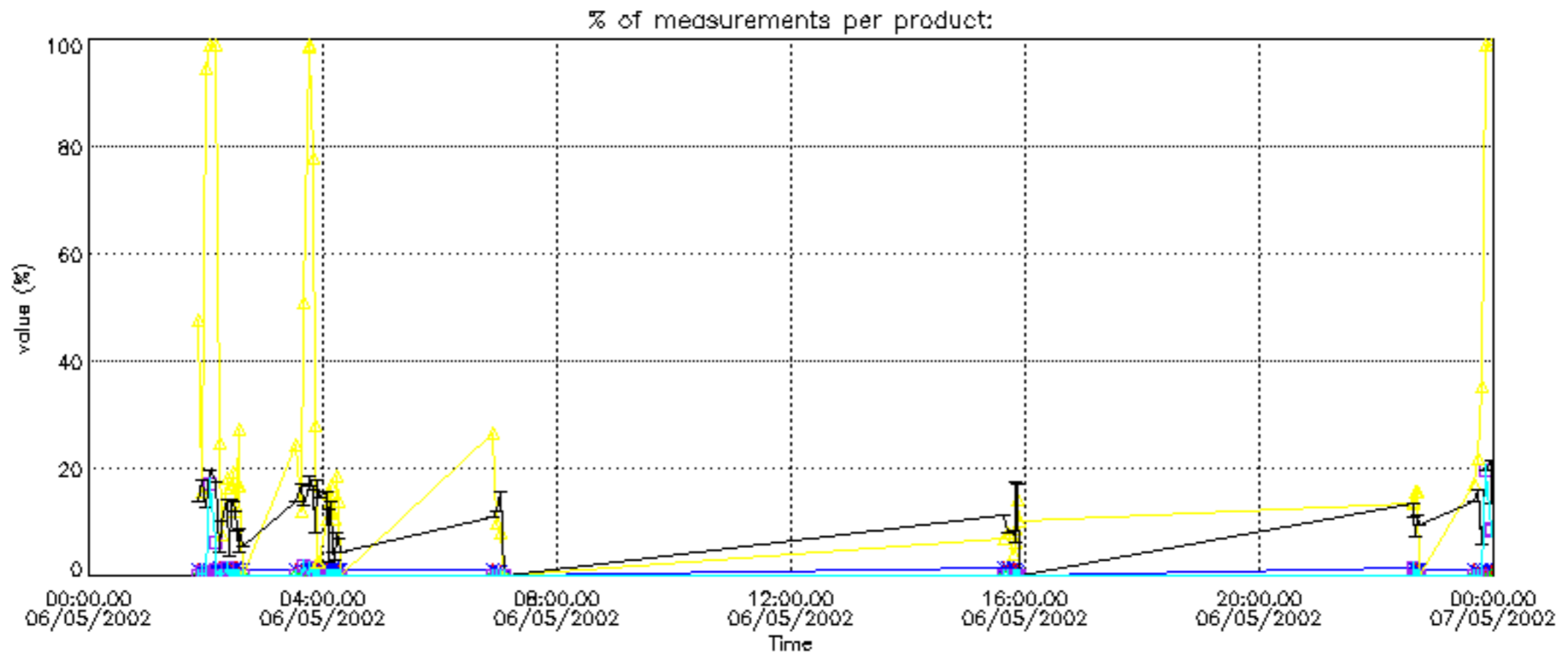


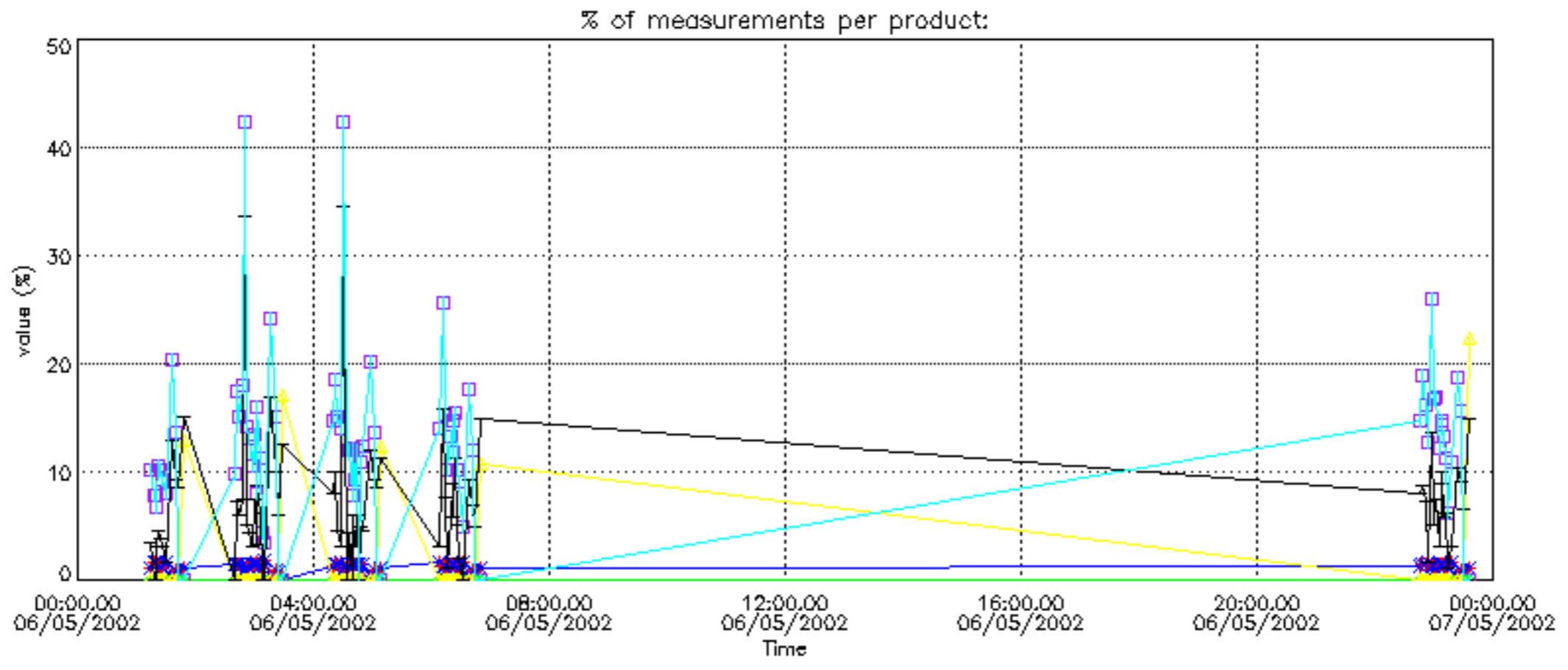
Percentage of flagged data per NO2 profile



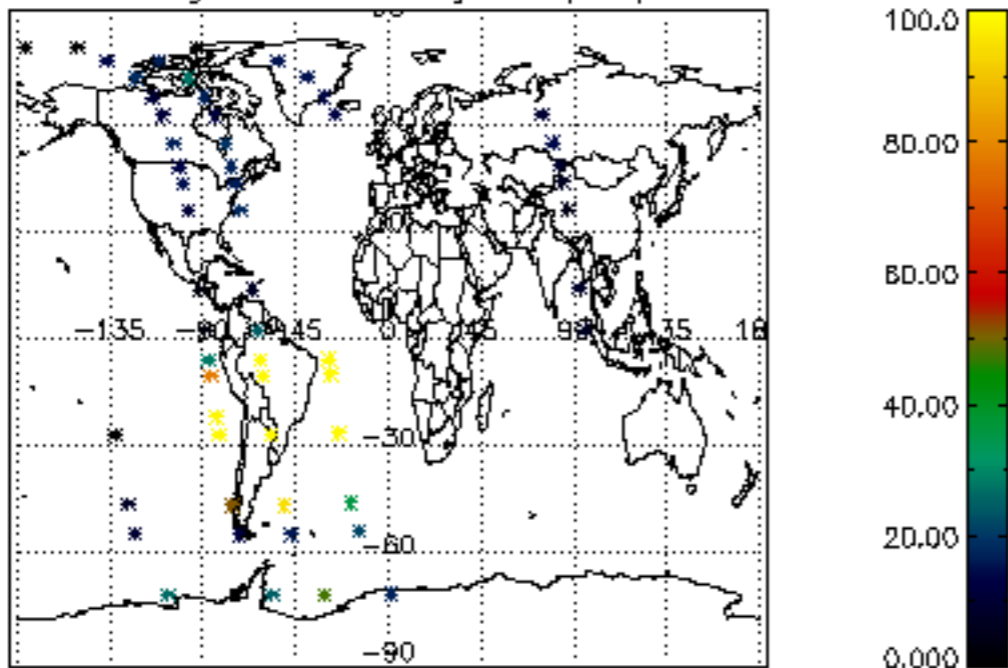
Percentage of flagged data per NO3 profile



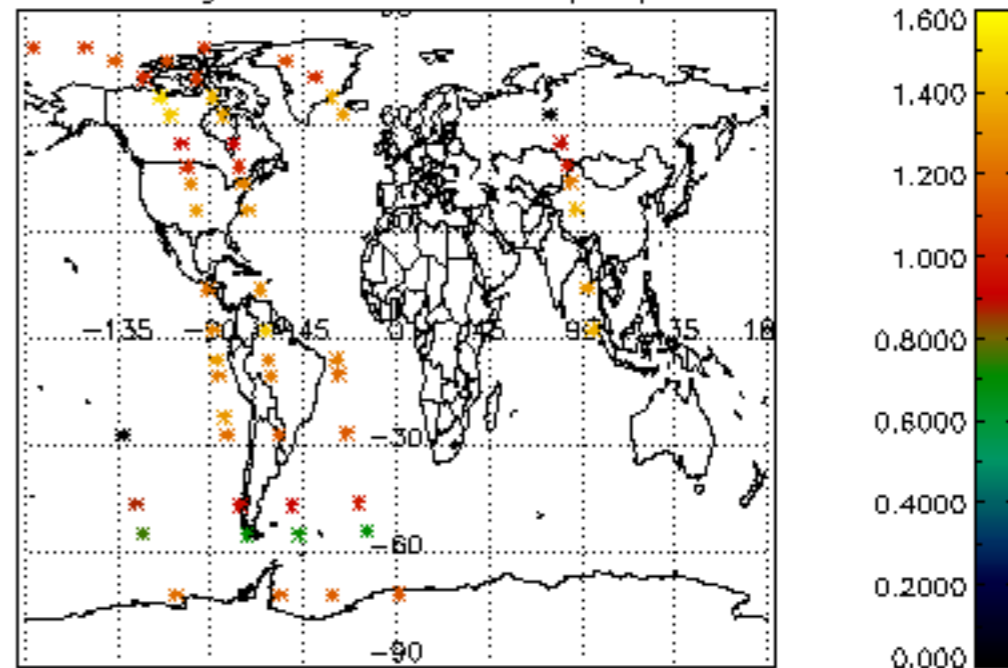




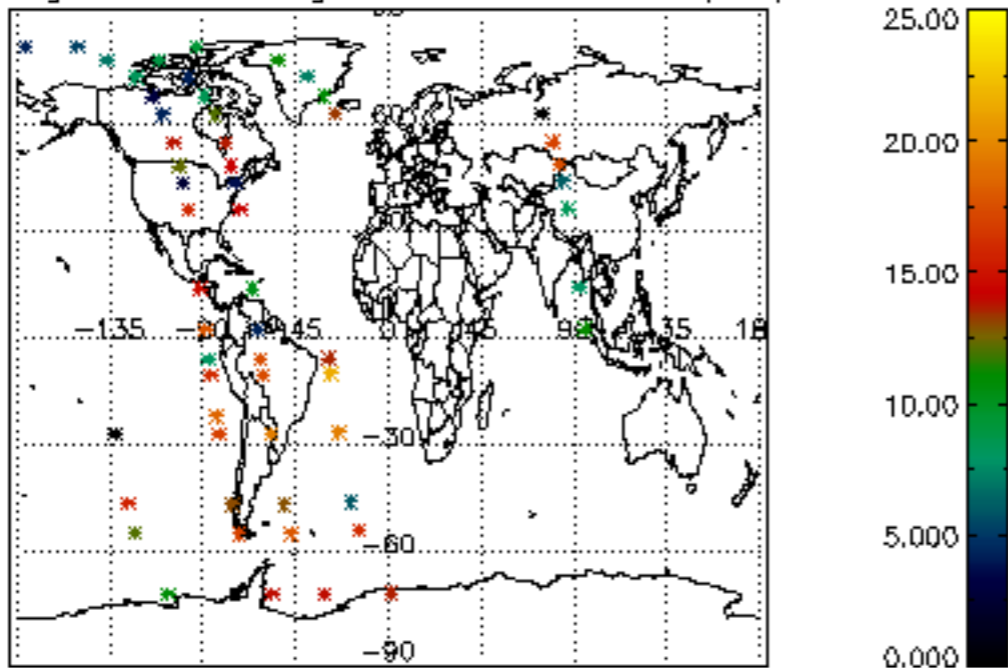
Percentage of cosmic ray hits per profile



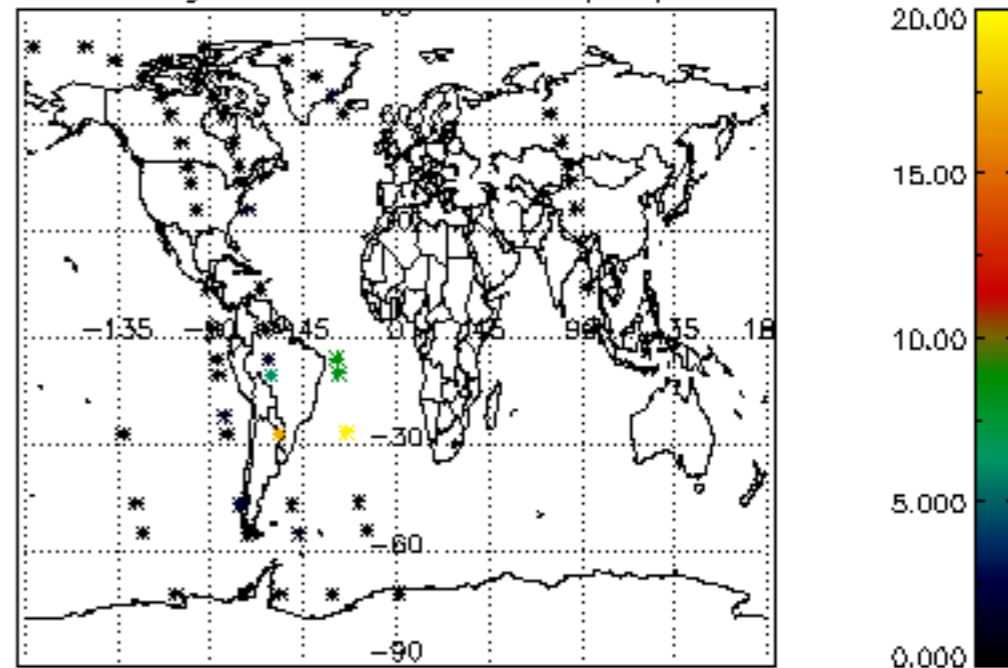
Percentage of datation errors per profile



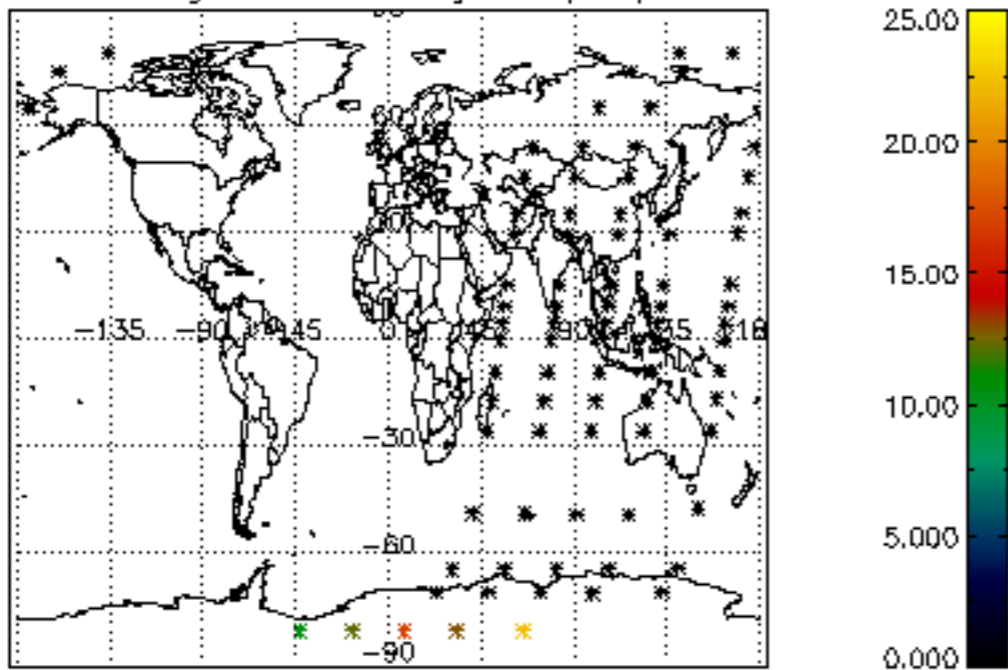
Percentage of star falling outside central band per profile



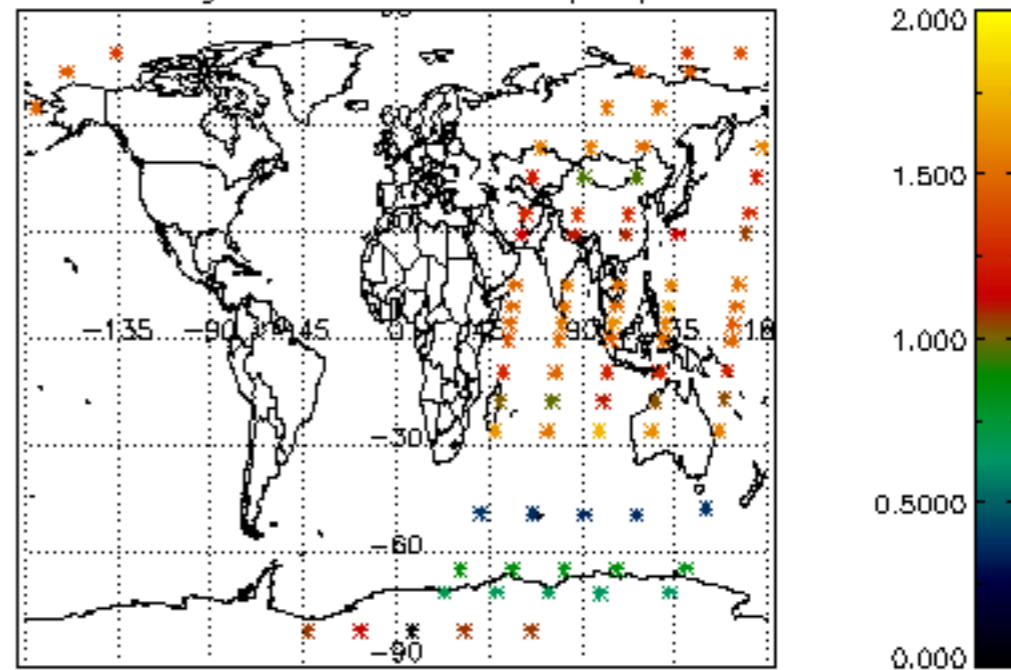
Percentage of saturation errors per profile



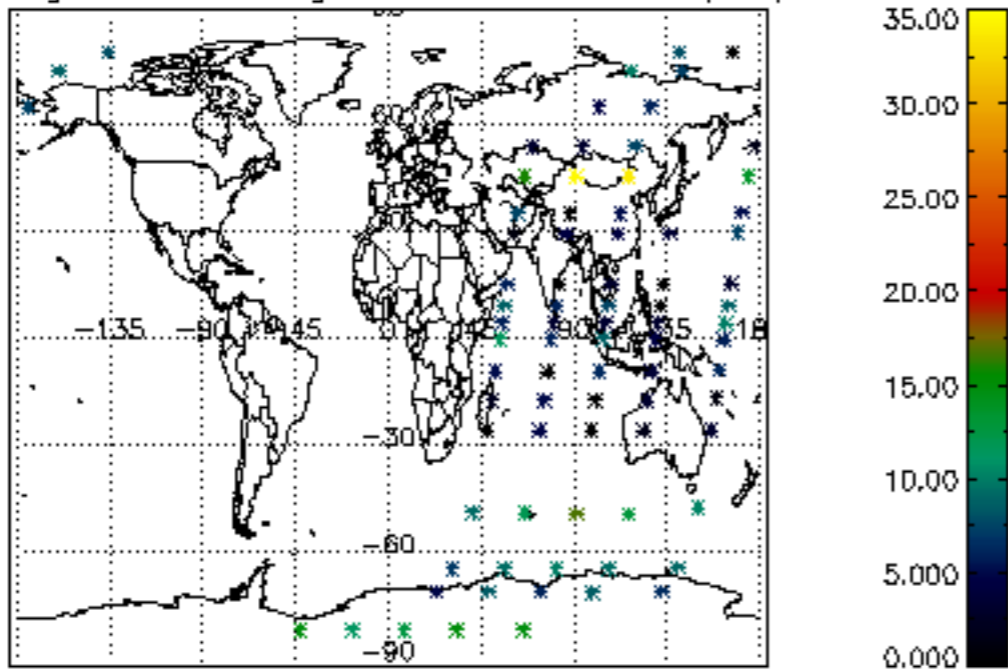
Percentage of cosmic ray hits per profile



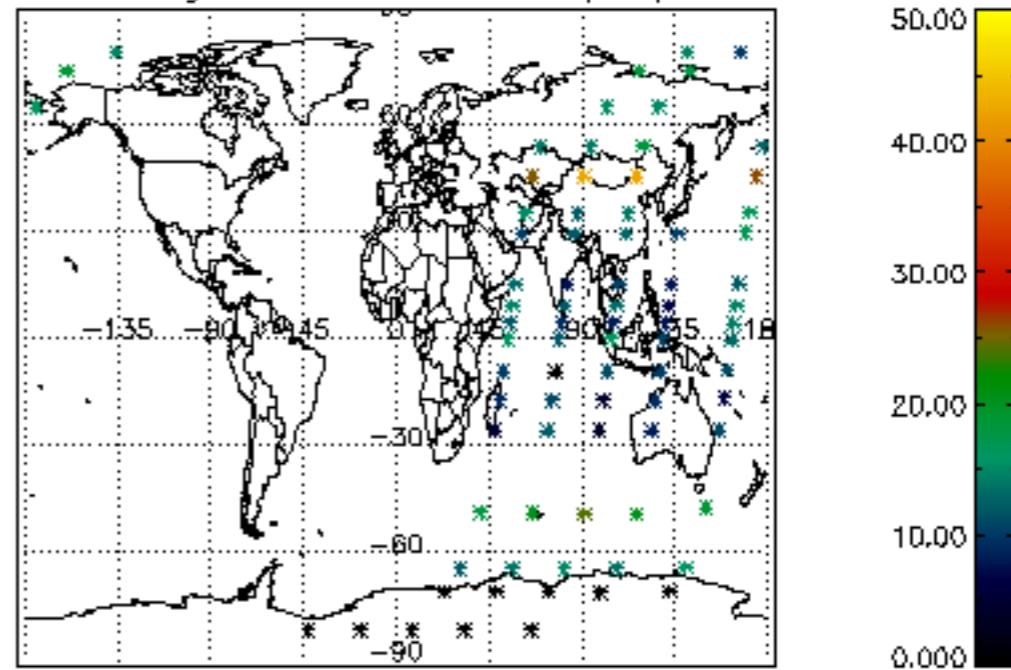
Percentage of datation errors per profile

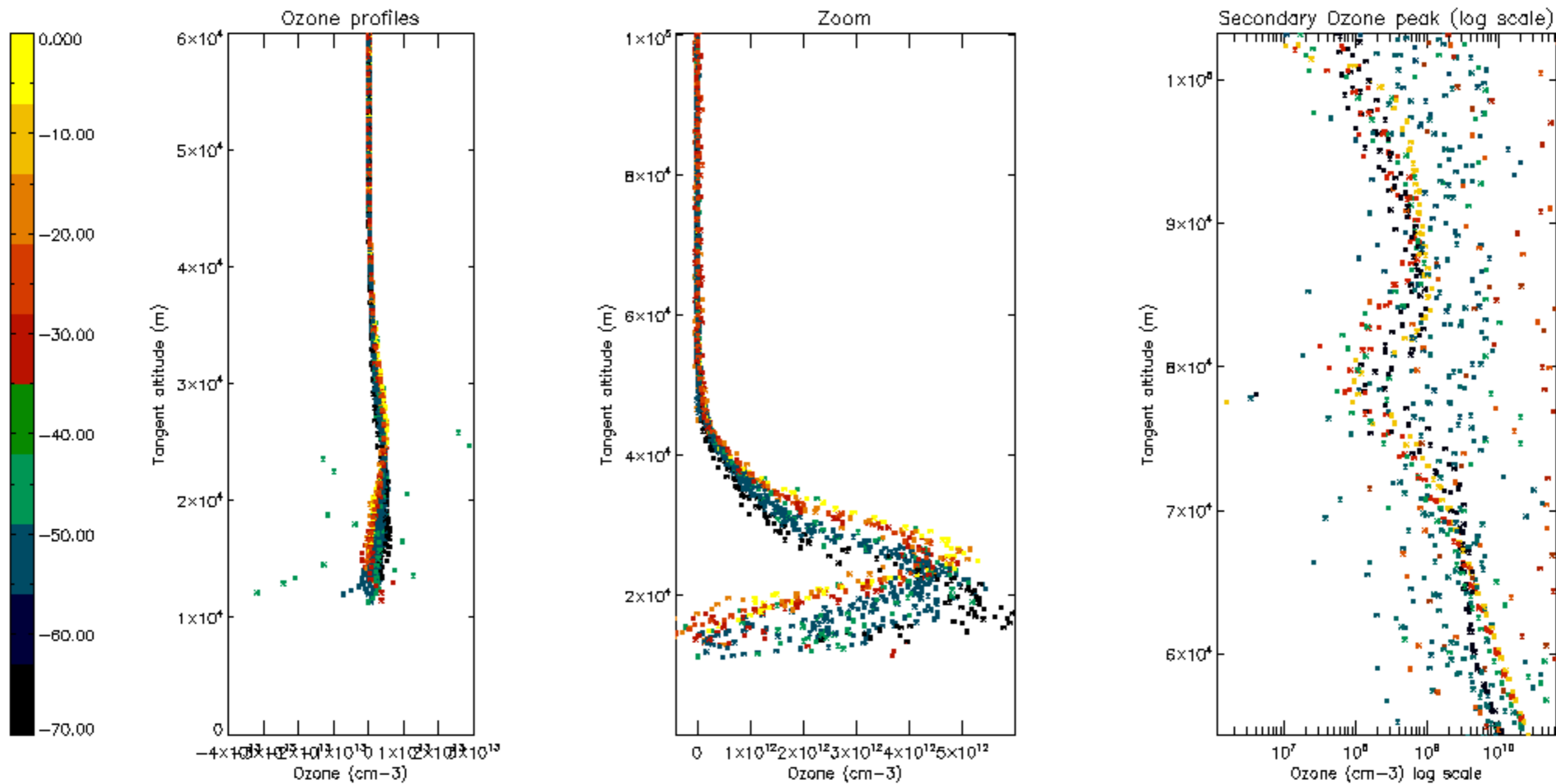


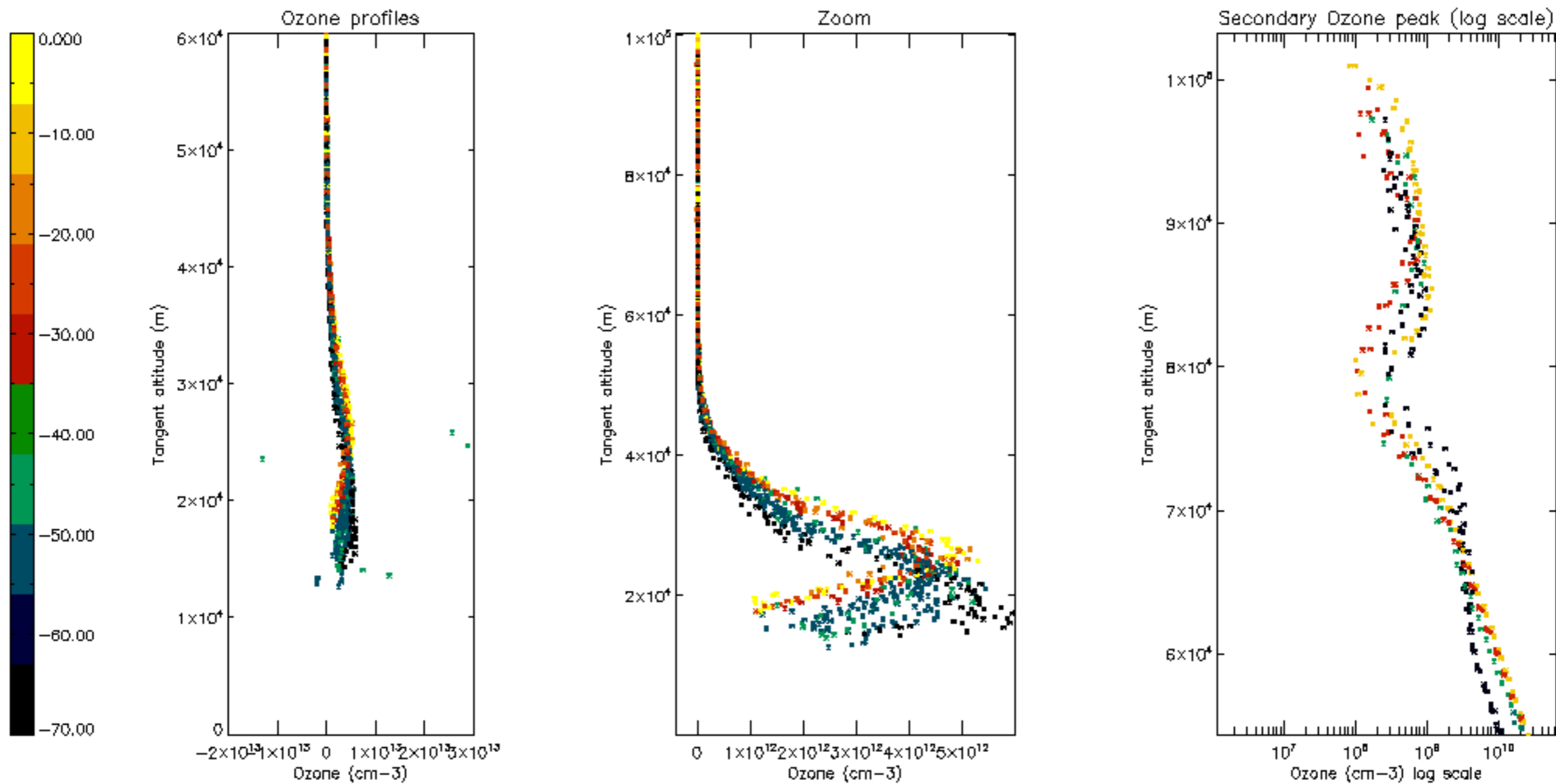
Percentage of star falling outside central band per profile

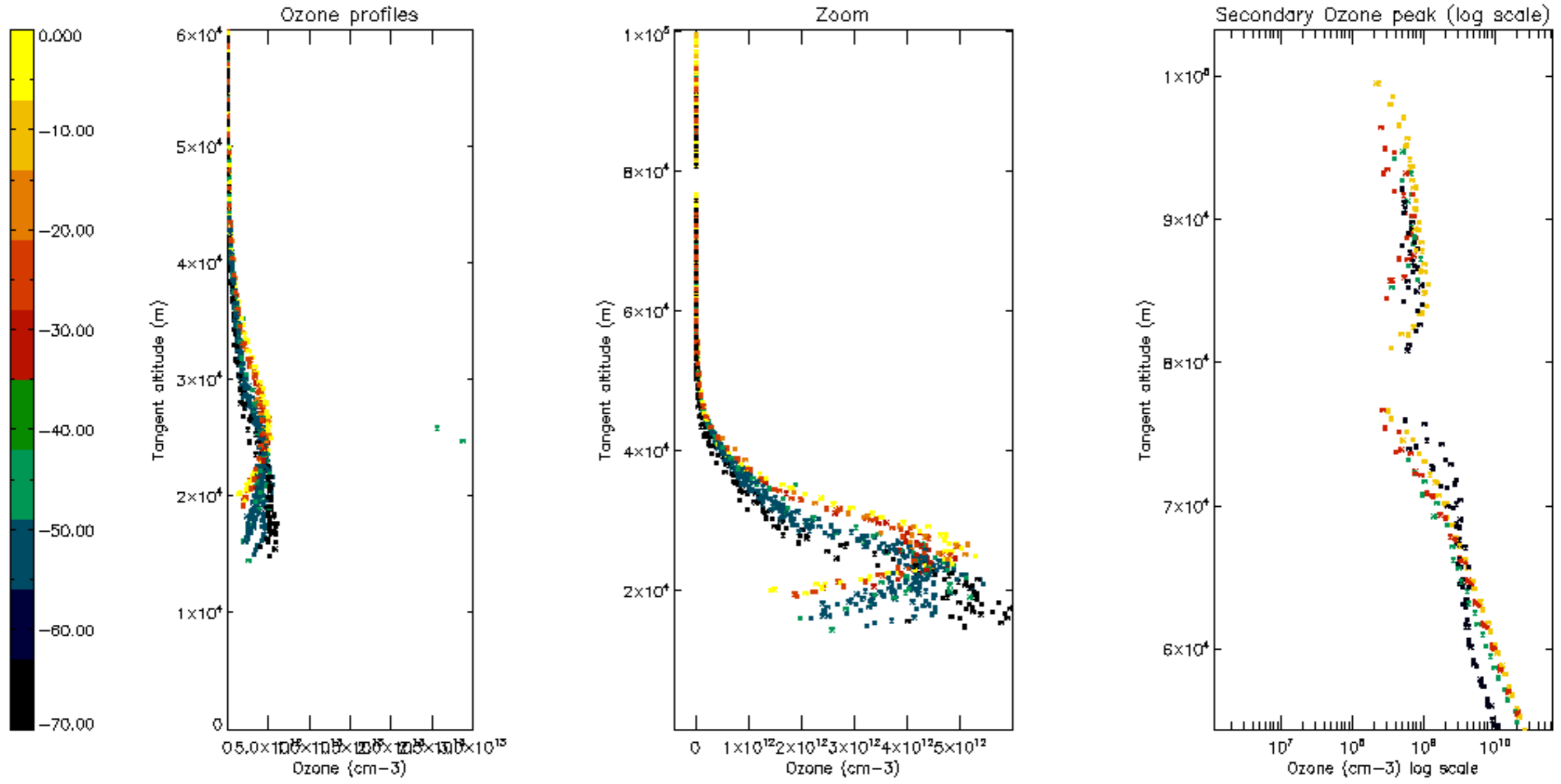


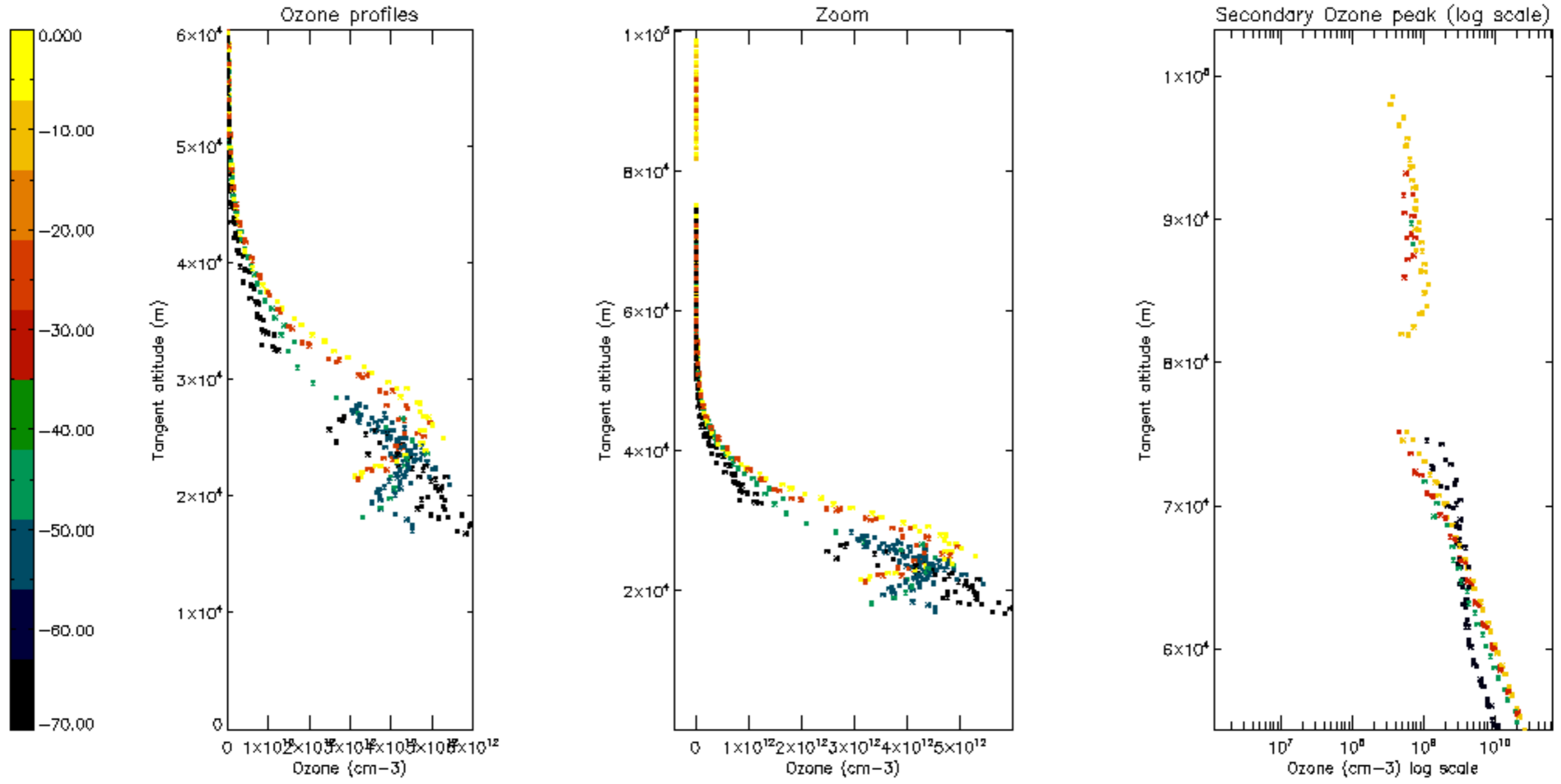
Percentage of saturation errors per profile

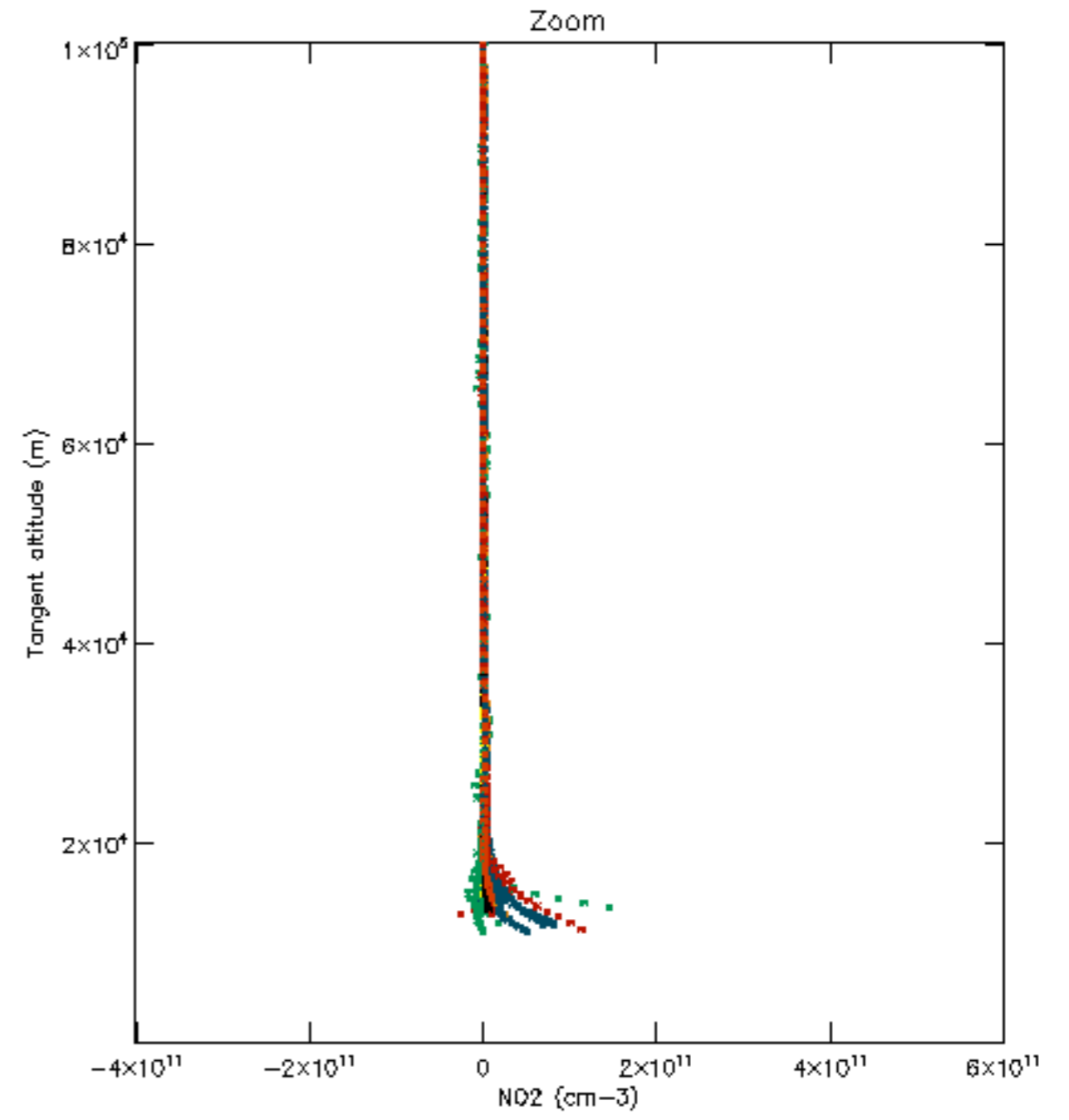
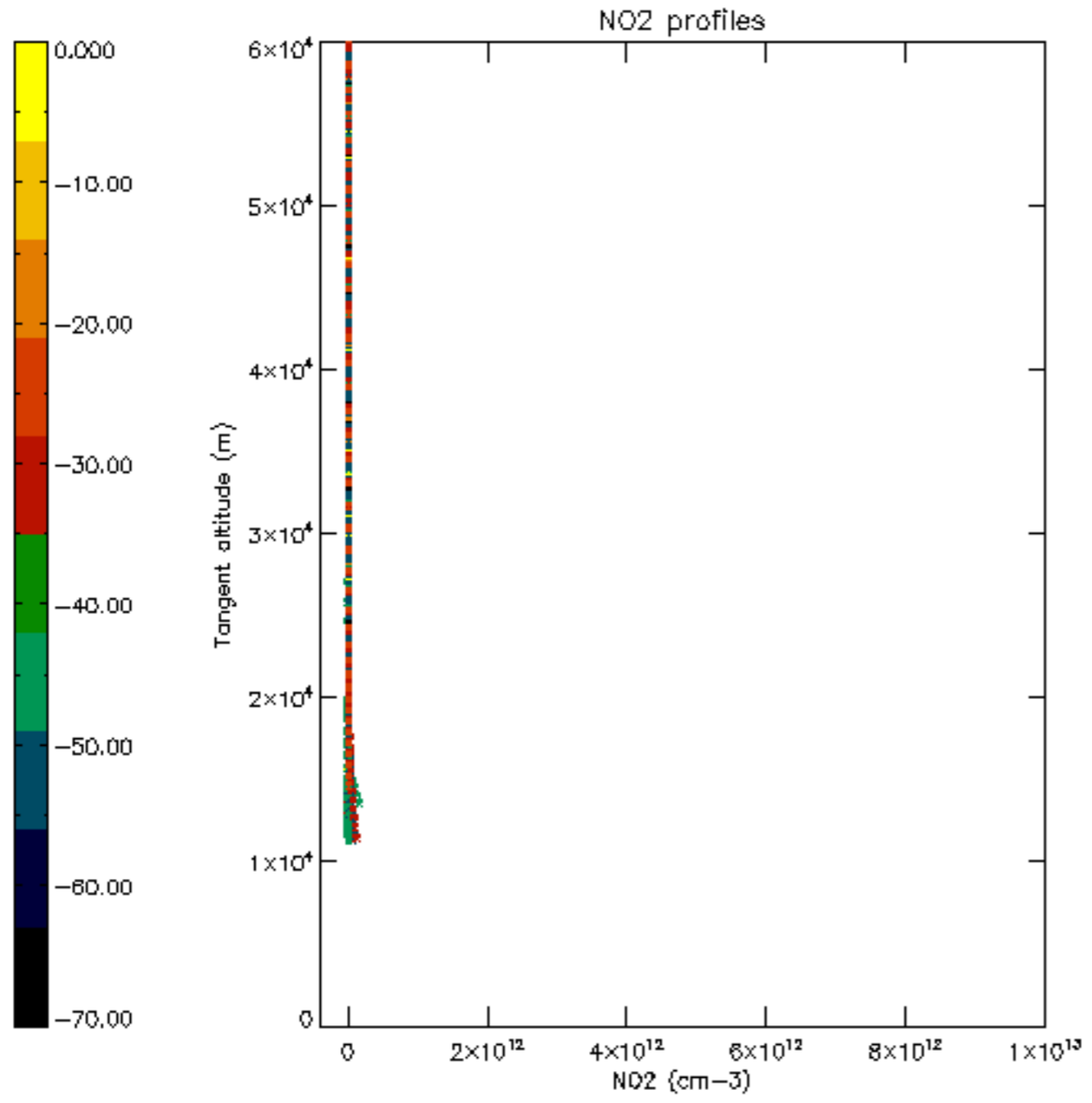


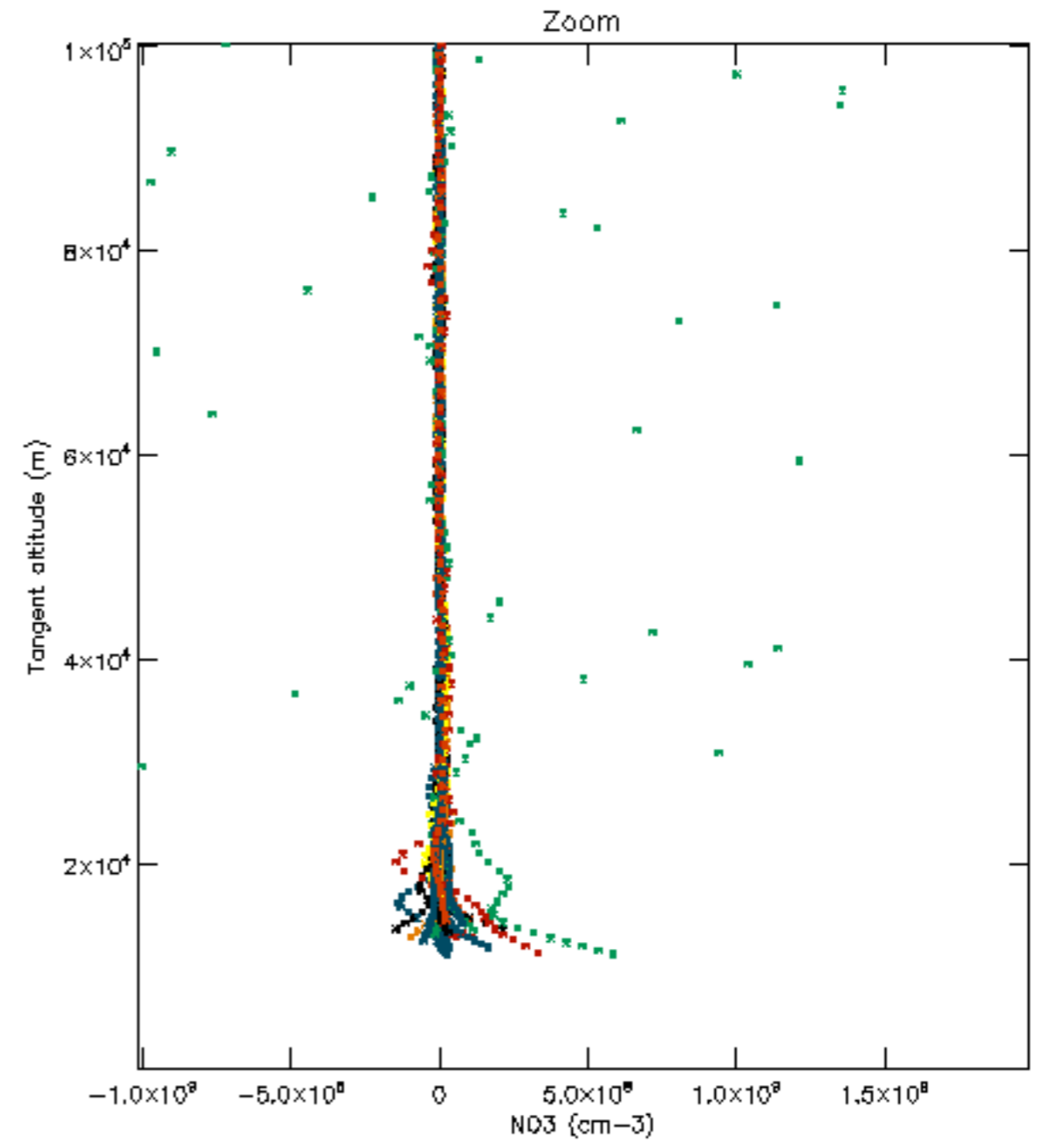
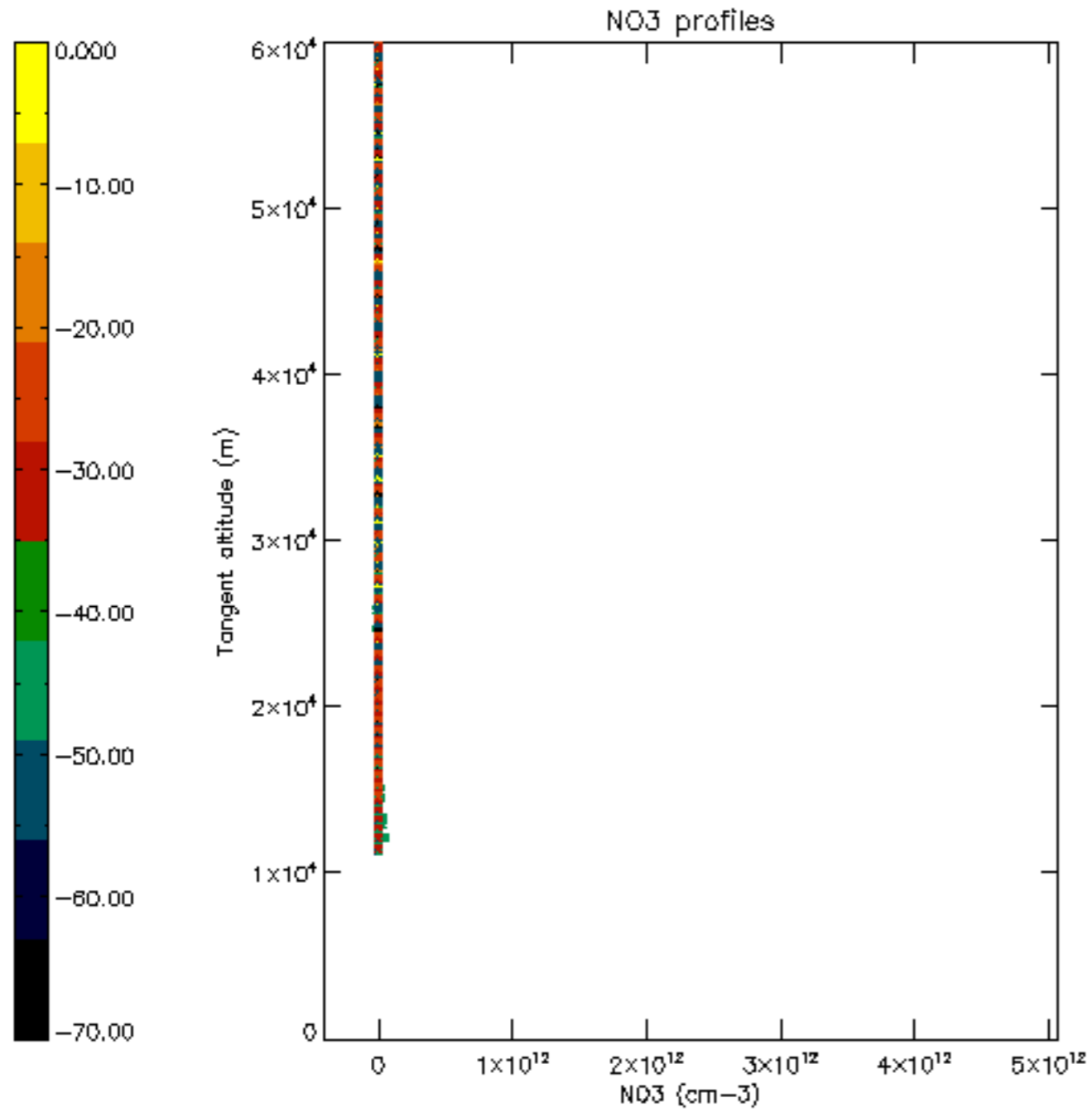


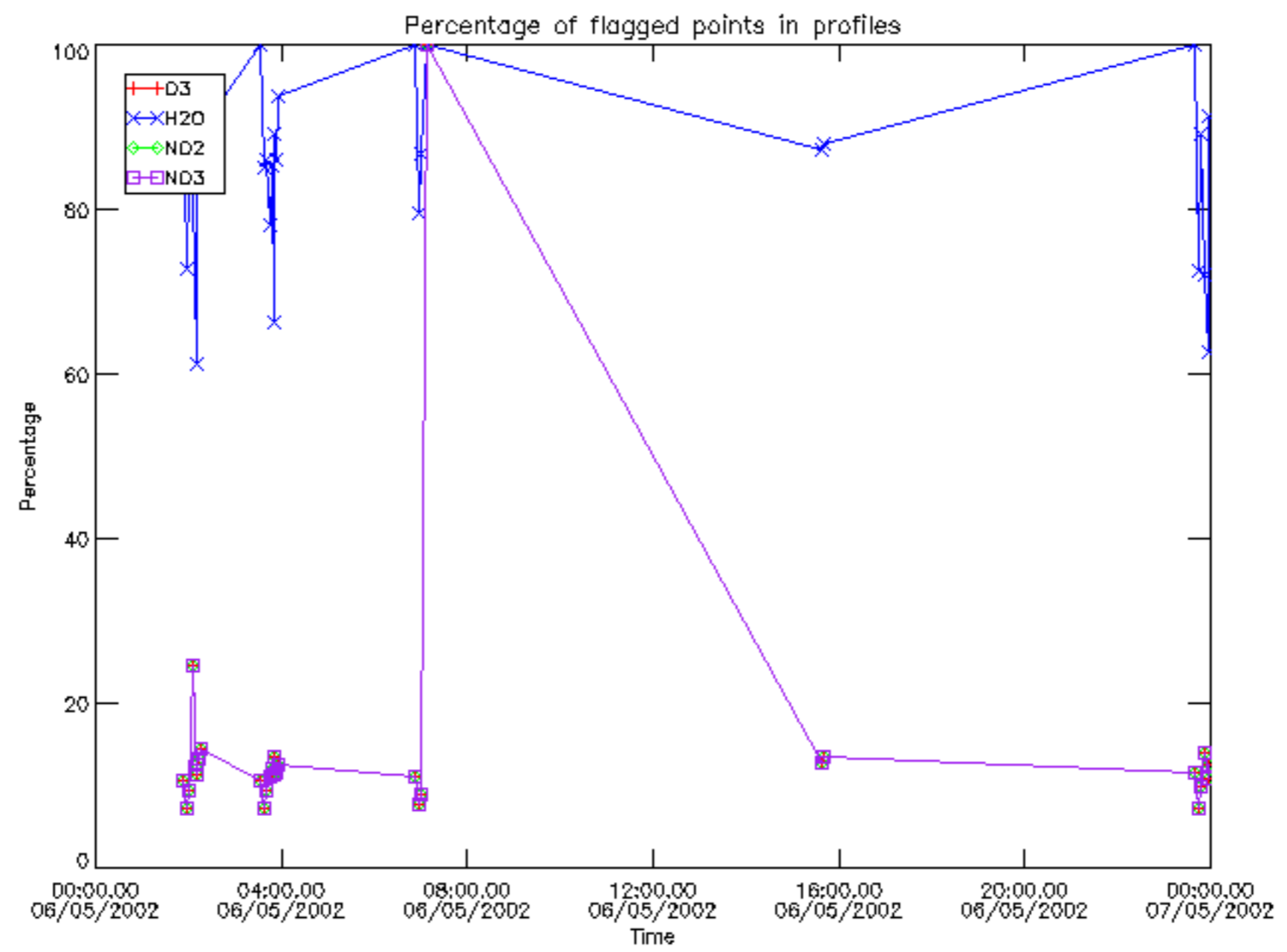




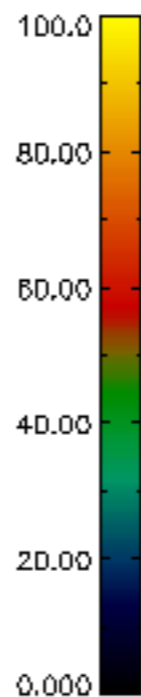
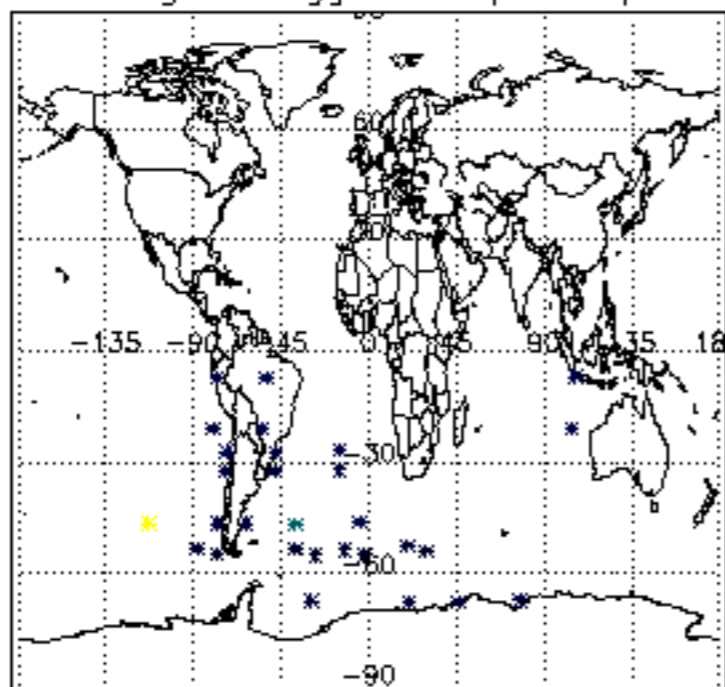




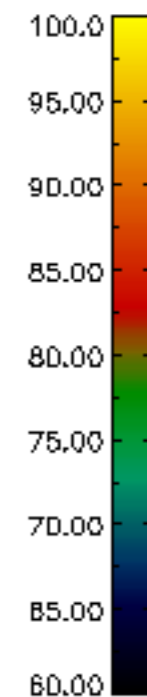
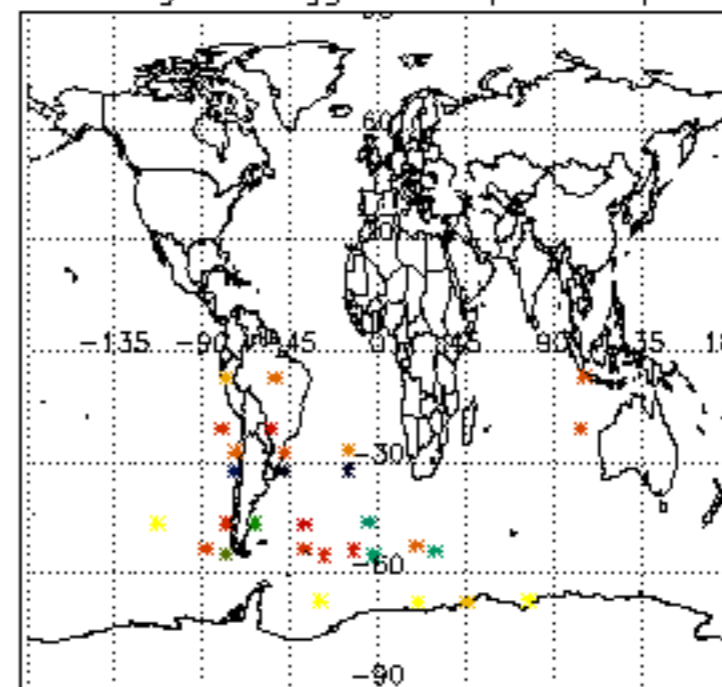




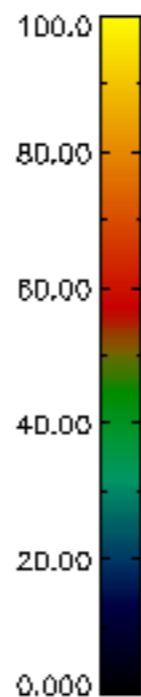
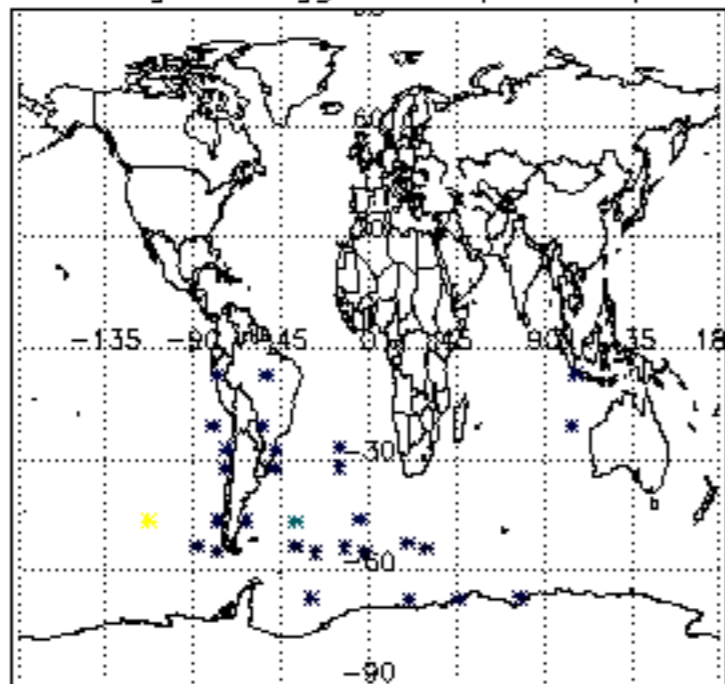
Percentage of flagged data per D3 profile



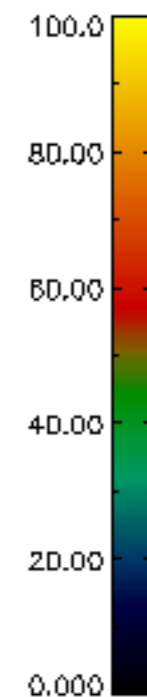
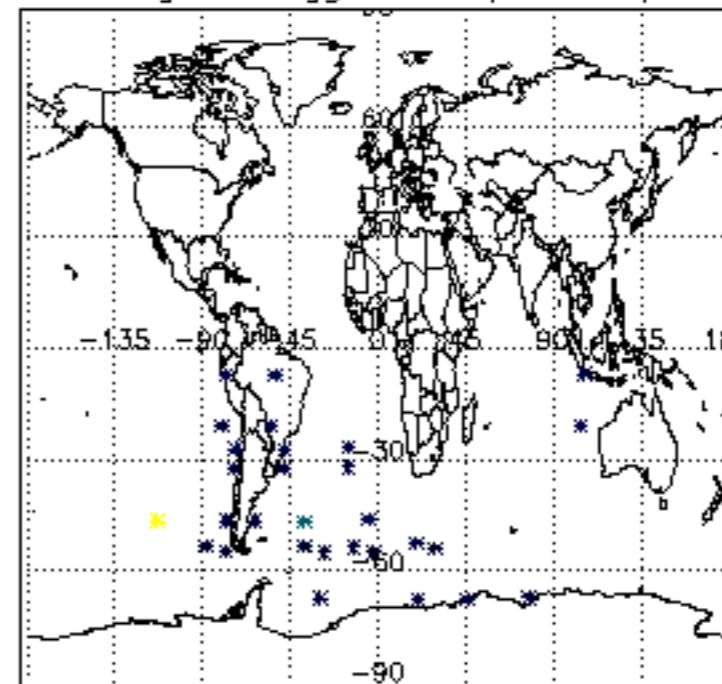
Percentage of flagged data per H2O profile

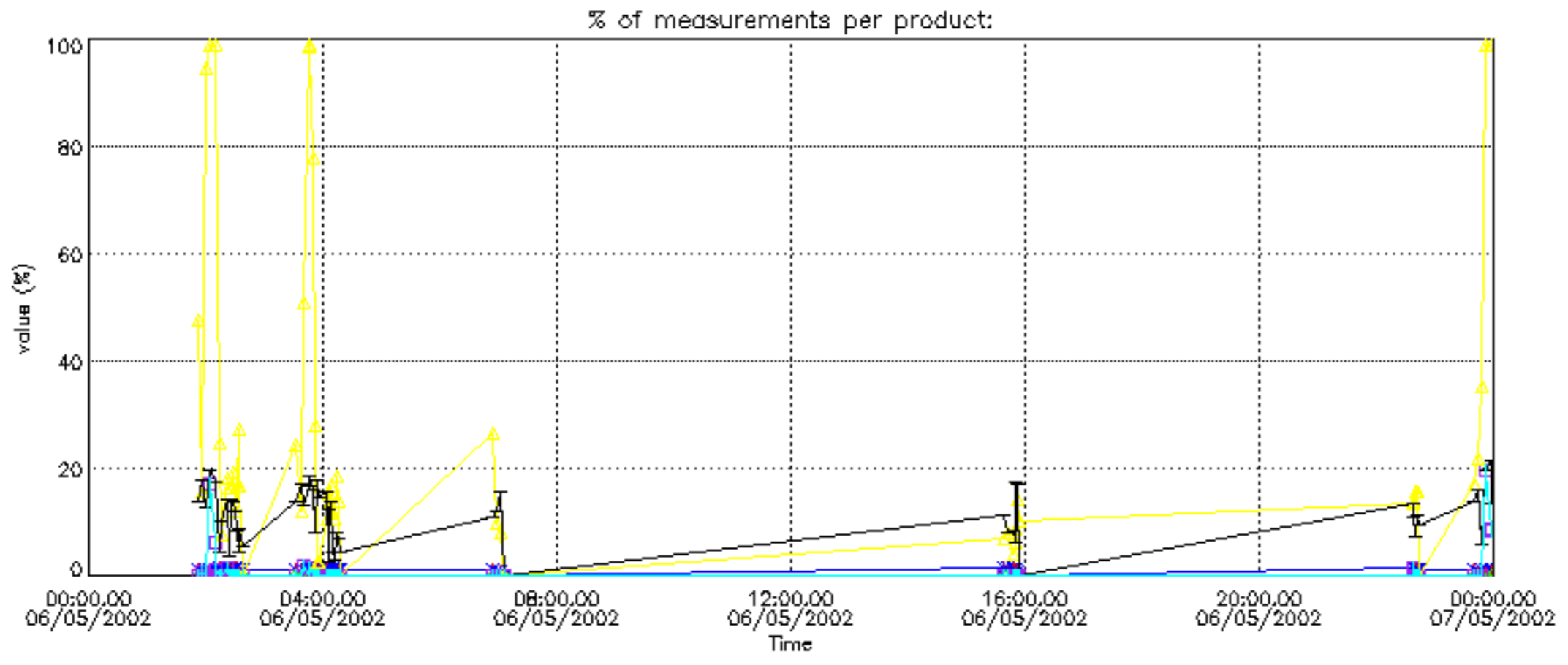


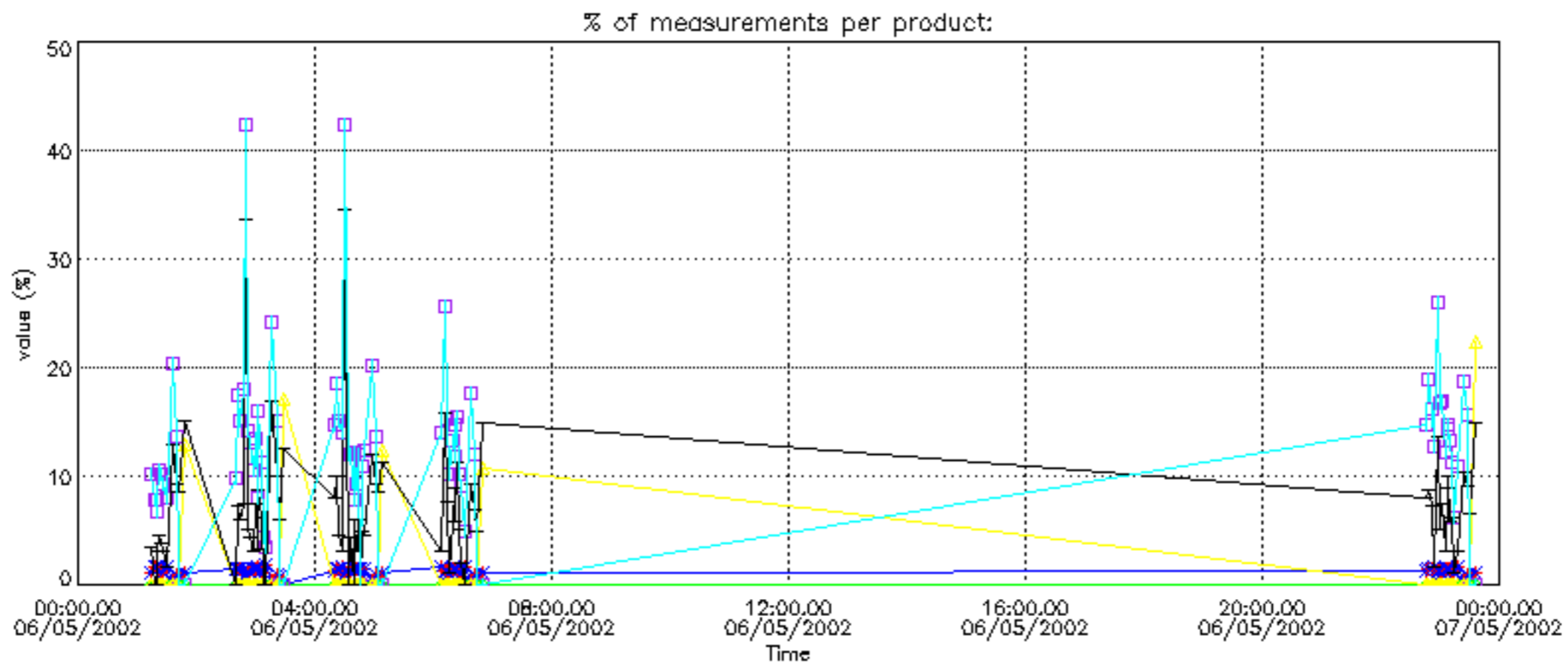
Percentage of flagged data per NO2 profile



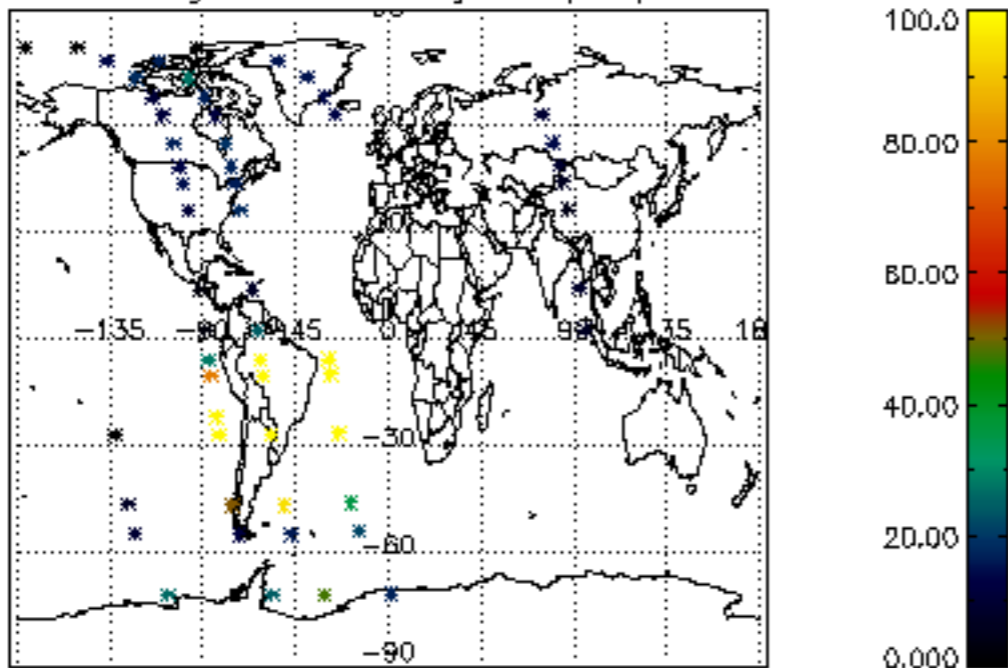
Percentage of flagged data per NO3 profile



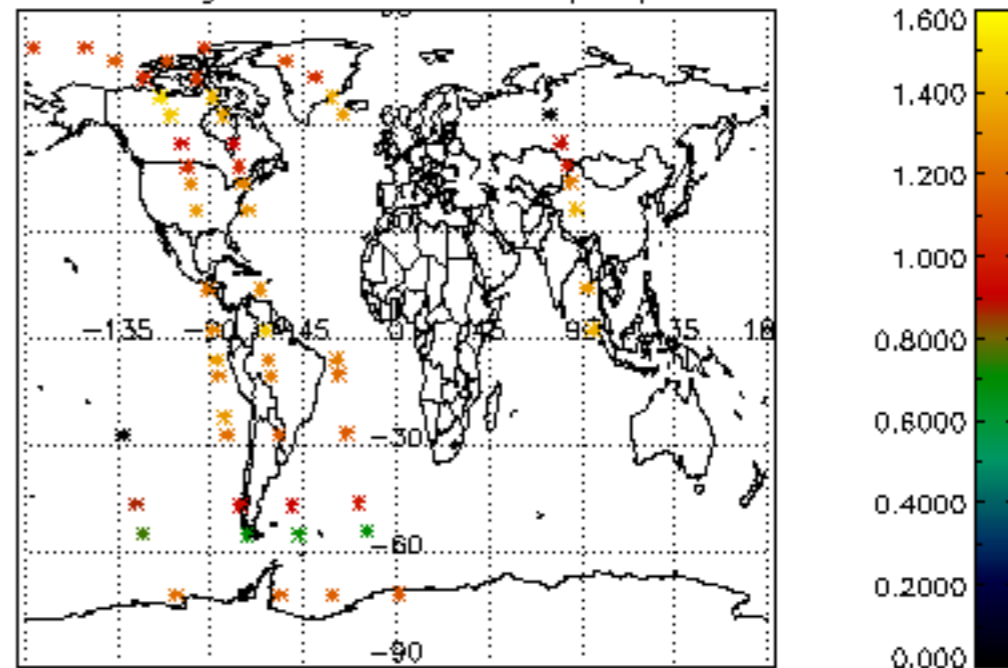




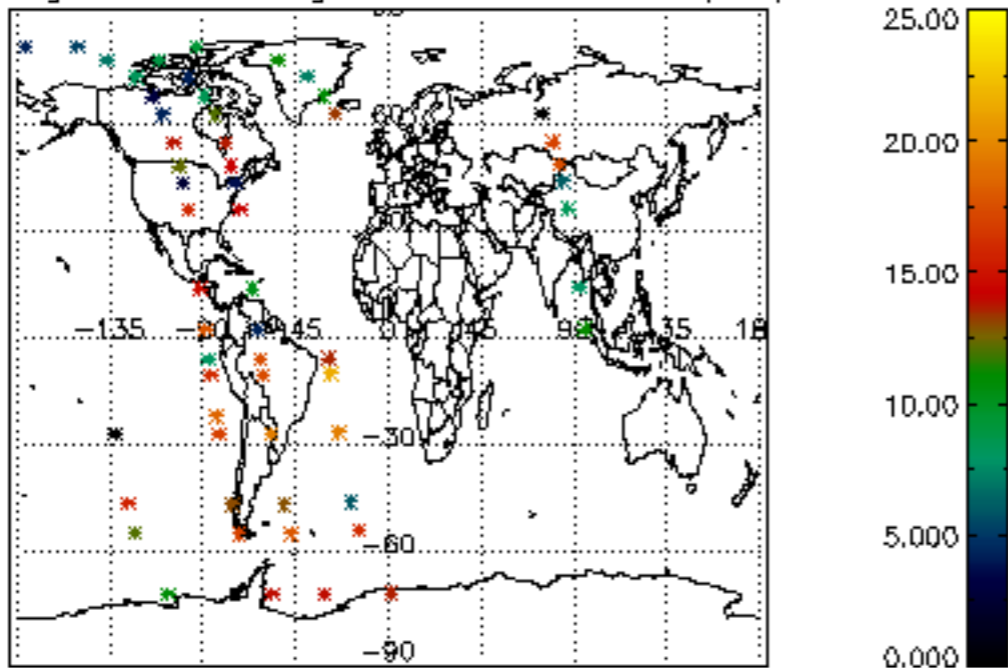
Percentage of cosmic ray hits per profile



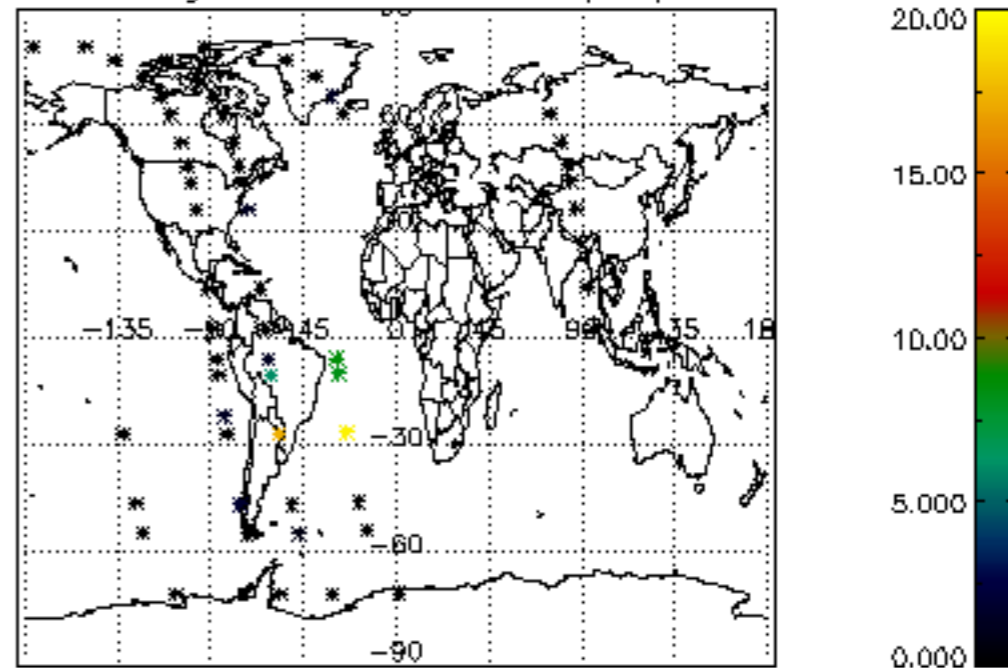
Percentage of datation errors per profile



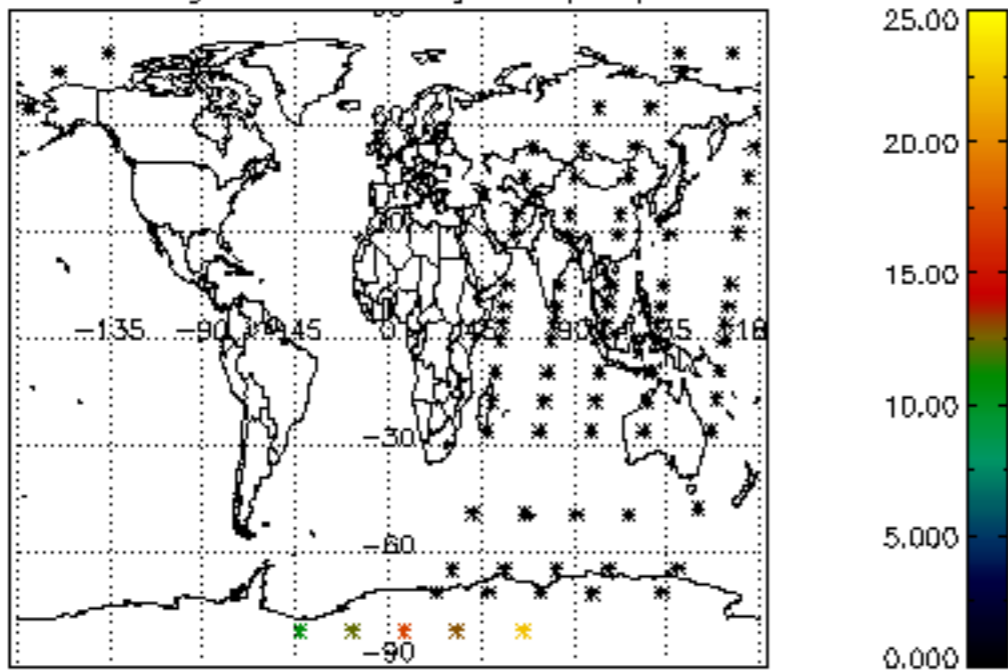
Percentage of star falling outside central band per profile



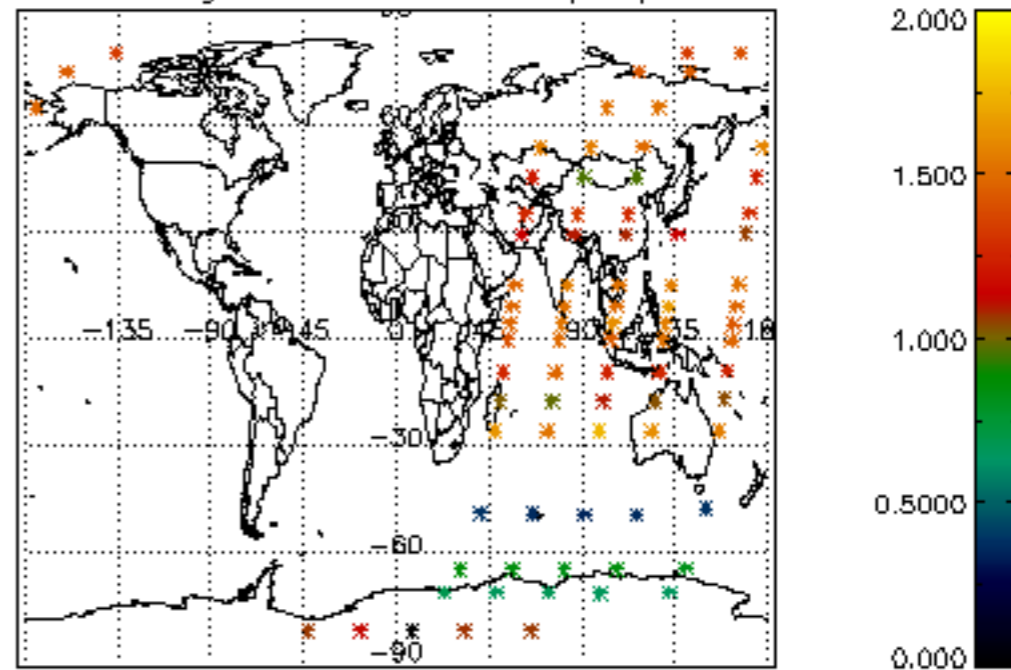
Percentage of saturation errors per profile



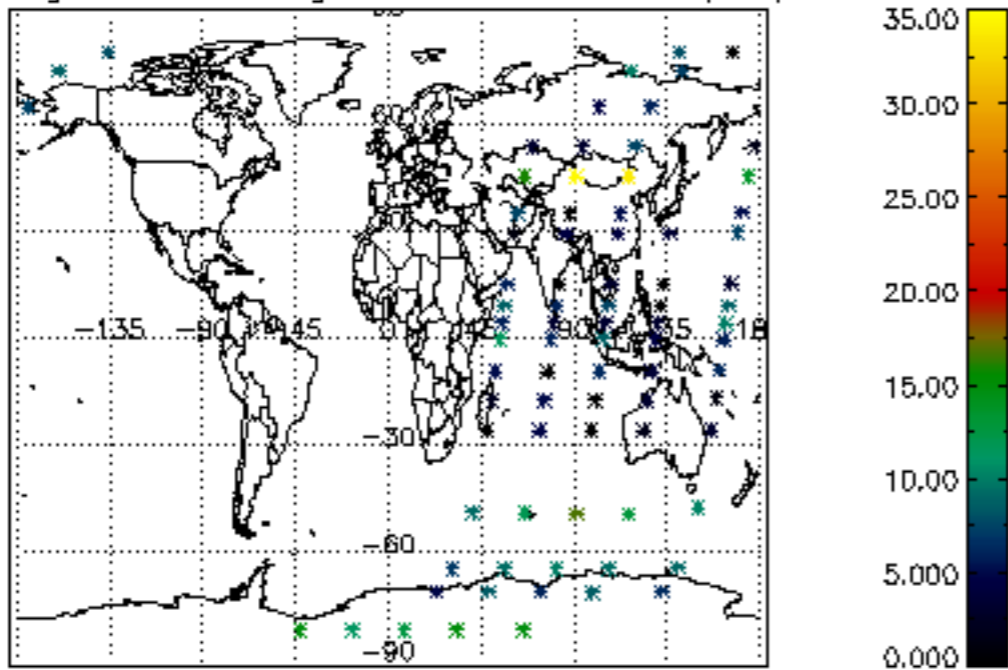
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

