

# 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	19APR2013 01:28:25
Data source version	GOMOS/6.01
Start time of products	07-05-2004 (07MAY2004 00:00:00)
Stop time of products	08-05-2004 (08MAY2004 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	130
Nb of prods with errors	1

## 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__2PRFIN20040507_022832_000000682026_00347_11423_2212.N1	07-MAY-2004 02:28:32	Twilight	68.000	16	21Alp Sco	1.0200	3000.0	136	11423	No
2	GOM_NL__2PRFIN20040507_023031_000000582026_00347_11423_2213.N1	07-MAY-2004 02:30:31	Bright	57.500	80	7Del Sco	2.3160	30000.	115	11423	No
3	GOM_NL__2PRFIN20040507_023251_000000802026_00347_11423_2214.N1	07-MAY-2004 02:32:51	Bright	80.000	86	35Eta Oph	2.4300	10200.	160	11423	No
4	GOM_NL__2PRFIN20040507_023531_000000442026_00347_11423_2215.N1	07-MAY-2004 02:35:31	Bright	44.000	104	27Bet Lib	2.6140	13100.	88	11423	No
5	GOM_NL__2PRFIN20040507_023839_000000382026_00347_11423_2216.N1	07-MAY-2004 02:38:39	Bright	37.500	121	29Gam Vir	2.7400	7200.0	75	11423	No
6	GOM_NL__2PRFIN20040507_024151_000000372026_00347_11423_2217.N1	07-MAY-2004 02:41:51	Bright	36.500	138	47Eps Vir	2.8280	4700.0	73	11423	No
7	GOM_NL__2PRFIN20040507_024349_000000382026_00347_11423_2218.N1	07-MAY-2004 02:43:49	Bright	38.000	111	8Eta Boo	2.6800	6000.0	76	11423	No
8	GOM_NL__2PRFIN20040507_024701_000000432026_00347_11423_2219.N1	07-MAY-2004 02:47:01	Bright	42.500	83		2.3780	11000.	85	11423	No
9	GOM_NL__2PRFIN20040507_024929_000000372026_00347_11423_2220.N1	07-MAY-2004 02:49:29	Bright	36.500	152	12Alp2CVn	2.8900	11000.	73	11423	No
10	GOM_NL__2PRFIN20040507_025240_000000392026_00347_11423_2221.N1	07-MAY-2004 02:52:40	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	11423	No
11	GOM_NL__2PRFIN20040507_025408_000000372026_00347_11423_2222.N1	07-MAY-2004 02:54:08	Bright	37.000	55	79Zet UMa	2.0600	10200.	74	11423	No
12	GOM_NL__2PRFIN20040507_025552_000000362026_00347_11423_2223.N1	07-MAY-2004 02:55:52	Bright	36.000	82	48Bet UMa	2.3650	10600.	72	11423	No
13	GOM_NL__2PRFIN20040507_025706_000000352026_00347_11423_2224.N1	07-MAY-2004 02:57:06	Bright	35.000	36	50Alp UMa	1.8000	6300.0	70	11423	No
14	GOM_NL__2PRFIN20040507_025921_000000442026_00347_11423_2225.N1	07-MAY-2004 02:59:21	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	11423	No
15	GOM_NL__2PRFIN20040507_030127_000000512026_00347_11423_2226.N1	07-MAY-2004 03:01:27	Bright	50.500	130	23Bet Dra	2.7990	5800.0	101	11423	No
16	GOM_NL__2PRFIN20040507_030411_000000362026_00347_11423_2227.N1	07-MAY-2004 03:04:11	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	11423	No
17	GOM_NL__2PRFIN20040507_031004_000000462026_00347_11423_2228.N1	07-MAY-2004 03:10:04	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	11423	No
18	GOM_NL__2PRFIN20040507_031218_000000372026_00347_11423_2229.N1	07-MAY-2004 03:12:18	Bright	36.500	76	27Gam Cas	2.3000	30000.	73	11423	No
19	GOM_NL__2PRFIN20040507_031333_000000382026_00347_11423_2230.N1	07-MAY-2004 03:13:33	Bright	38.000	68	18Alp Cas	2.2250	4500.0	76	11423	No
20	GOM_NL__2PRFIN20040507_031506_000000642026_00347_11423_2231.N1	07-MAY-2004 03:15:06	Bright	64.000	19	50Alp Cyg	1.2460	10500.	128	11423	No
21	GOM_NL__2PRFIN20040507_031705_000000842026_00347_11423_2232.N1	07-MAY-2004 03:17:05	Bright	83.500	66	37Gam Cyg	2.2080	5900.0	167	11423	No
22	GOM_NL__2PRFIN20040507_032126_000001002026_00347_11423_2233.N1	07-MAY-2004 03:21:26	Twilight	99.500	92	53Eps Cyg	2.5000	4500.0	199	11423	No
23	GOM_NL__2PRFIN20040507_032652_000000502026_00347_11423_2234.N1	07-MAY-2004 03:26:52	Dark	50.000	90	54Alp Peg	2.4870	11000.	100	11423	No
24	GOM_NL__2PRFIN20040507_033423_000000462026_00347_11423_2235.N1	07-MAY-2004 03:34:23	Dark	45.500	52	16Bet Cet	2.0370	4500.0	91	11423	No
25	GOM_NL__2PRFIN20040507_034000_000000482026_00347_11423_2236.N1	07-MAY-2004 03:40:00	Dark	47.500	18	24Alp PsA	1.1660	9700.0	95	11423	No
26	GOM_NL__2PRFIN20040507_034550_000000462026_00347_11423_2237.N1	07-MAY-2004 03:45:50	Dark	46.000	31	Alp Gru	1.7340	15200.	92	11423	No
27	GOM_NL__2PRFIN20040507_034807_000000402026_00348_11424_2212.N1	07-MAY-2004 03:48:07	Dark	39.500	148	Alp Tuc	2.8780	4100.0	79	11424	No
28	GOM_NL__2PRFIN20040507_035124_000000432026_00348_11424_2213.N1	07-MAY-2004 03:51:24	Dark	42.500	45	Alp Pav	1.9400	26000.	85	11424	No
29	GOM_NL__2PRFIN20040507_035731_000000422026_00348_11424_2214.N1	07-MAY-2004 03:57:31	Straylight	42.000	43	Alp TrA	1.9100	4250.0	84	11424	No
30	GOM_NL__2PRFIN20040507_035908_000000392026_00348_11424_2215.N1	07-MAY-2004 03:59:08	Straylight	38.500	145	Gam TrA	2.8720	10600.	77	11424	No
31	GOM_NL__2PRFIN20040507_040137_000000462026_00348_11424_2216.N1	07-MAY-2004 04:01:37	Straylight	45.500	4	Alp1Cen	-0.010000	5800.0	91	11424	No
32	GOM_NL__2PRFIN20040507_040507_000000392026_00348_11424_2217.N1	07-MAY-2004 04:05:07	Straylight	39.000	78	Alp Lup	2.3040	28000.	78	11424	No
33	GOM_NL__2PRFIN20040507_040638_000000402026_00348_11424_2218.N1	07-MAY-2004 04:06:38	Straylight	39.500	81	Eta Cen	2.3560	28000.	79	11424	No
34	GOM_NL__2PRFIN20040507_040909_000000652026_00348_11424_2219.N1	07-MAY-2004 04:09:09	Twilight	65.000	16	21Alp Sco	1.0200	3000.0	130	11424	No
35	GOM_NL__2PRFIN20040507_041108_000000572026_00348_11424_2220.N1	07-MAY-2004 04:11:08	Bright	57.000	80	7Del Sco	2.3160	30000.	114	11424	No
36	GOM_NL__2PRFIN20040507_041327_000000812026_00348_11424_2221.N1	07-MAY-2004 04:13:27	Bright	81.000	86	35Eta Oph	2.4300	10200.	162	11424	No
37	GOM_NL__2PRFIN20040507_041607_000000442026_00348_11424_2222.N1	07-MAY-2004 04:16:07	Bright	44.000	104	27Bet Lib	2.6140	13100.	88	11424	No
38	GOM_NL__2PRFIN20040507_041916_000000372026_00348_11424_2223.N1	07-MAY-2004 04:19:16	Bright	37.000	121	29Gam Vir	2.7400	7200.0	74	11424	No
39	GOM_NL__2PRFIN20040507_042228_000000372026_00348_11424_2224.N1	07-MAY-2004 04:22:28	Bright	36.500	138	47Eps Vir	2.8280	4700.0	73	11424	No
40	GOM_NL__2PRFIN20040507_042425_000000382026_00348_11424_2225.N1	07-MAY-2004 04:24:25	Bright	37.500	111	8Eta Boo	2.6800	6000.0	75	11424	No
41	GOM_NL__2PRFIN20040507_042737_000000442026_00348_11424_2226.N1	07-MAY-2004 04:27:37	Bright	44.000	83		2.3780	11000.	88	11424	No
42	GOM_NL__2PRFIN20040507_043005_000000362026_00348_11424_2227.N1	07-MAY-2004 04:30:05	Bright	36.000	152	12Alp2CVn	2.8900	11000.	72	11424	No

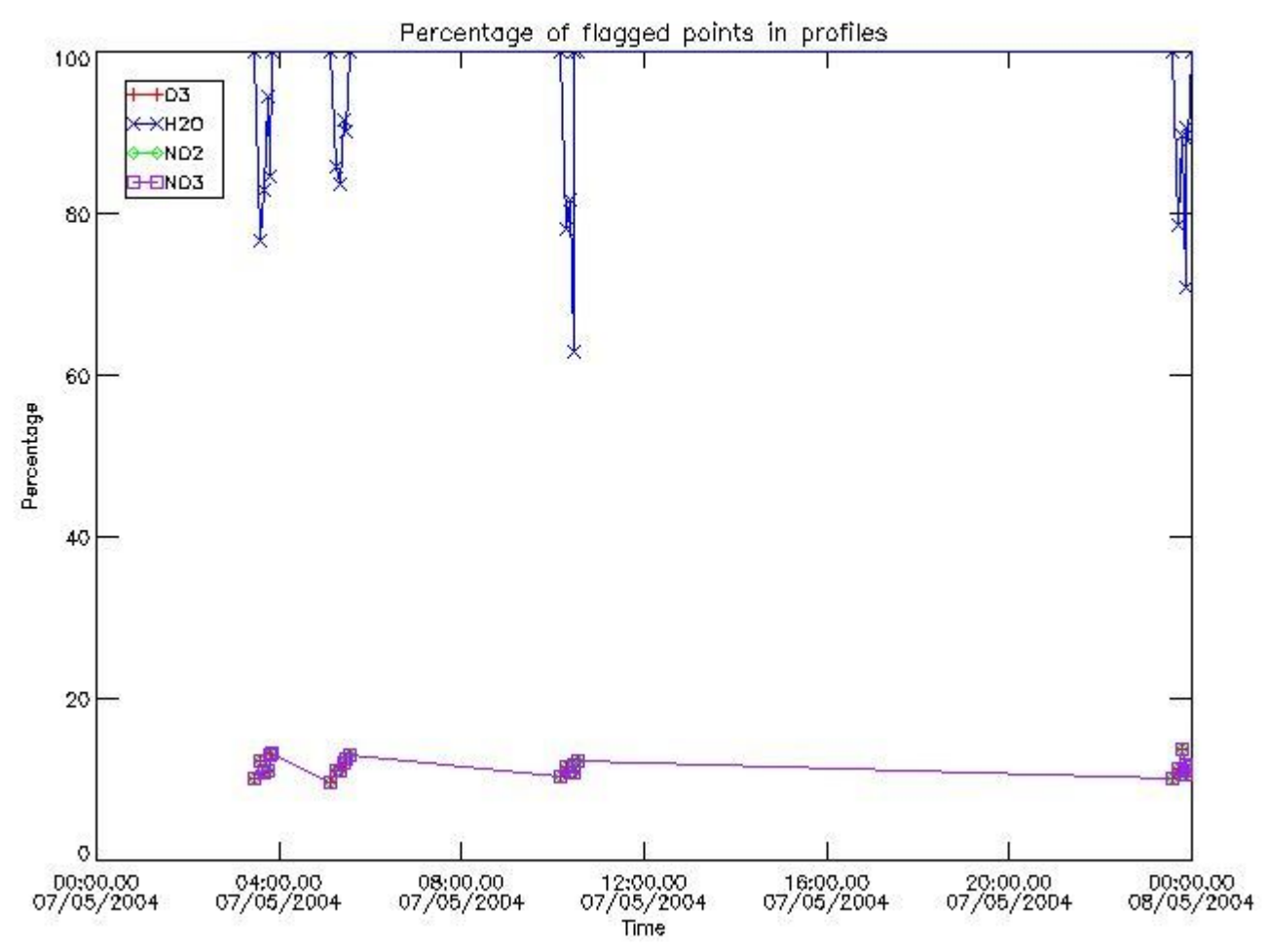
43	GOM_NL__2PRFIN20040507_043316_000000382026_00348_11424_2228.N1	07-MAY-2004 04:33:16	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	11424	No
44	GOM_NL__2PRFIN20040507_043444_000000382026_00348_11424_2229.N1	07-MAY-2004 04:34:44	Bright	38.000	55	79Zet UMa	2.0600	10200.	76	11424	No
45	GOM_NL__2PRFIN20040507_043628_000000392026_00348_11424_2230.N1	07-MAY-2004 04:36:28	Bright	38.500	82	48Bet UMa	2.3650	10600.	77	11424	No
46	GOM_NL__2PRFIN20040507_043742_000000392026_00348_11424_2231.N1	07-MAY-2004 04:37:42	Bright	38.500	36	50Alp UMa	1.8000	6300.0	77	11424	No
47	GOM_NL__2PRFIN20040507_043957_000000412026_00348_11424_2232.N1	07-MAY-2004 04:39:57	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	11424	No
48	GOM_NL__2PRFIN20040507_044202_000000552026_00348_11424_2233.N1	07-MAY-2004 04:42:02	Bright	55.000	130	23Bet Dra	2.7990	5800.0	110	11424	No
49	GOM_NL__2PRFIN20040507_044447_000000382026_00348_11424_2234.N1	07-MAY-2004 04:44:47	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	11424	No
50	GOM_NL__2PRFIN20040507_045040_000000442026_00348_11424_2235.N1	07-MAY-2004 04:50:40	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	11424	No
51	GOM_NL__2PRFIN20040507_045253_000000382026_00348_11424_2236.N1	07-MAY-2004 04:52:53	Bright	37.500	76	27Gam Cas	2.3000	30000.	75	11424	No
52	GOM_NL__2PRFIN20040507_045410_000000372026_00348_11424_2237.N1	07-MAY-2004 04:54:10	Bright	37.000	68	18Alp Cas	2.2250	4500.0	74	11424	No
53	GOM_NL__2PRFIN20040507_045542_000000672026_00348_11424_2238.N1	07-MAY-2004 04:55:42	Bright	66.500	19	50Alp Cyg	1.2460	10500.	133	11424	No
54	GOM_NL__2PRFIN20040507_045740_000000832026_00348_11424_2239.N1	07-MAY-2004 04:57:40	Bright	82.500	66	37Gam Cyg	2.2080	5900.0	165	11424	No
55	GOM_NL__2PRFIN20040507_050202_000001002026_00348_11424_2240.N1	07-MAY-2004 05:02:02	Twilight	100.00	92	53Eps Cyg	2.5000	4500.0	200	11424	No
56	GOM_NL__2PRFIN20040507_050728_000000542026_00348_11424_2241.N1	07-MAY-2004 05:07:28	Dark	53.500	90	54Alp Peg	2.4870	11000.	107	11424	No
57	GOM_NL__2PRFIN20040507_051459_000000462026_00348_11424_2242.N1	07-MAY-2004 05:14:59	Dark	46.000	52	16Bet Cet	2.0370	4500.0	92	11424	No
58	GOM_NL__2PRFIN20040507_052036_000000462026_00348_11424_2243.N1	07-MAY-2004 05:20:36	Dark	46.000	18	24Alp PsA	1.1660	9700.0	92	11424	No
59	GOM_NL__2PRFIN20040507_052627_000000432026_00348_11424_2244.N1	07-MAY-2004 05:26:27	Dark	42.500	31	Alp Gru	1.7340	15200.	85	11424	No
60	GOM_NL__2PRFIN20040507_052844_000000412026_00349_11425_2212.N1	07-MAY-2004 05:28:44	Dark	41.000	148	Alp Tuc	2.8780	4100.0	82	11425	No
61	GOM_NL__2PRFIN20040507_053201_000000432026_00349_11425_2213.N1	07-MAY-2004 05:32:01	Dark	43.000	45	Alp Pav	1.9400	26000.	86	11425	No
62	GOM_NL__2PRFIN20040507_053807_000000402026_00349_11425_2214.N1	07-MAY-2004 05:38:07	Straylight	40.000	43	Alp TrA	1.9100	4250.0	80	11425	No
63	GOM_NL__2PRFIN20040507_053931_000000542026_00349_11425_2215.N1	07-MAY-2004 05:39:31	Straylight	53.500	141	Bet Ara	2.8400	4600.0	107	11425	No
64	GOM_NL__2PRFIN20040507_054214_000000442026_00349_11425_2216.N1	07-MAY-2004 05:42:14	Straylight	44.000	4	Alp1Cen	-0.010000	5800.0	88	11425	No
65	GOM_NL__2PRFIN20040507_054544_000000392026_00349_11425_2217.N1	07-MAY-2004 05:45:44	Straylight	39.000	78	Alp Lup	2.3040	28000.	78	11425	No
66	GOM_NL__2PRFIN20040507_054715_000000422026_00349_11425_2218.N1	07-MAY-2004 05:47:15	Straylight	41.500	81	Eta Cen	2.3560	28000.	83	11425	No
67	GOM_NL__2PRFIN20040507_054945_000000732026_00349_11425_2219.N1	07-MAY-2004 05:49:45	Twilight	73.000	16	21Alp Sco	1.0200	3000.0	146	11425	No
68	GOM_NL__2PRFIN20040507_055145_000000572026_00349_11425_2220.N1	07-MAY-2004 05:51:45	Bright	57.000	80	7Del Sco	2.3160	30000.	114	11425	No
69	GOM_NL__2PRFIN20040507_055403_000000742026_00349_11425_2221.N1	07-MAY-2004 05:54:03	Bright	74.000	86	35Eta Oph	2.4300	10200.	148	11425	No
70	GOM_NL__2PRFIN20040507_091755_000000452026_00351_11427_2290.N1	07-MAY-2004 09:17:55	Dark	45.000	104	27Bet Lib	2.6140	13100.	90	11427	Yes
71	GOM_NL__2PRFIN20040507_092104_000000392026_00351_11427_2291.N1	07-MAY-2004 09:21:04	Bright	38.500	121	29Gam Vir	2.7400	7200.0	77	11427	No
72	GOM_NL__2PRFIN20040507_092416_000000382026_00351_11427_2292.N1	07-MAY-2004 09:24:16	Bright	37.500	138	47Eps Vir	2.8280	4700.0	75	11427	No
73	GOM_NL__2PRFIN20040507_092613_000000392026_00351_11427_2293.N1	07-MAY-2004 09:26:13	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	11427	No
74	GOM_NL__2PRFIN20040507_092924_000000442026_00351_11427_2294.N1	07-MAY-2004 09:29:24	Bright	43.500	83		2.3780	11000.	87	11427	No
75	GOM_NL__2PRFIN20040507_093154_000000352026_00351_11427_2295.N1	07-MAY-2004 09:31:54	Bright	35.000	152	12Alp2CVn	2.8900	11000.	70	11427	No
76	GOM_NL__2PRFIN20040507_093504_000000392026_00351_11427_2296.N1	07-MAY-2004 09:35:04	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	11427	No
77	GOM_NL__2PRFIN20040507_093632_000000382026_00351_11427_2297.N1	07-MAY-2004 09:36:32	Bright	38.000	55	79Zet UMa	2.0600	10200.	76	11427	No
78	GOM_NL__2PRFIN20040507_093818_000000382026_00351_11427_2298.N1	07-MAY-2004 09:38:18	Bright	37.500	82	48Bet UMa	2.3650	10600.	75	11427	No
79	GOM_NL__2PRFIN20040507_093931_000000372026_00351_11427_2299.N1	07-MAY-2004 09:39:31	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	11427	No
80	GOM_NL__2PRFIN20040507_094143_000000442026_00351_11427_2300.N1	07-MAY-2004 09:41:43	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	11427	No
81	GOM_NL__2PRFIN20040507_094346_000000552026_00351_11427_2301.N1	07-MAY-2004 09:43:46	Bright	55.000	130	23Bet Dra	2.7990	5800.0	110	11427	No
82	GOM_NL__2PRFIN20040507_094636_000000362026_00351_11427_2302.N1	07-MAY-2004 09:46:36	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	11427	No
83	GOM_NL__2PRFIN20040507_095226_000000452026_00351_11427_2303.N1	07-MAY-2004 09:52:26	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	11427	No
84	GOM_NL__2PRFIN20040507_095442_000000372026_00351_11427_2304.N1	07-MAY-2004 09:54:42	Bright	36.500	76	27Gam Cas	2.3000	30000.	73	11427	No
85	GOM_NL__2PRFIN20040507_095558_000000382026_00351_11427_2305.N1	07-MAY-2004 09:55:58	Bright	37.500	68	18Alp Cas	2.2250	4500.0	75	11427	No
86	GOM_NL__2PRFIN20040507_095926_000000852026_00351_11427_2306.N1	07-MAY-2004 09:59:26	Bright	85.000	66	37Gam Cyg	2.2080	5900.0	170	11427	No
87	GOM_NL__2PRFIN20040507_100350_000001012026_00351_11427_2307.N1	07-MAY-2004 10:03:50	Twilight	100.50	92	53Eps Cyg	2.5000	4500.0	201	11427	No
88	GOM_NL__2PRFIN20040507_100918_000000492026_00351_11427_2308.N1	07-MAY-2004 10:09:18	Dark	49.000	90	54Alp Peg	2.4870	11000.	98	11427	No
89	GOM_NL__2PRFIN20040507_101648_000000442026_00351_11427_2309.N1	07-MAY-2004 10:16:48	Dark	44.000	52	16Bet Cet	2.0370	4500.0	88	11427	No
90	GOM_NL__2PRFIN20040507_102226_000000472026_00351_11427_2310.N1	07-MAY-2004 10:22:26	Dark	47.000	18	24Alp PsA	1.1660	9700.0	94	11427	No
91	GOM_NL__2PRFIN20040507_102702_000000482026_00351_11427_2311.N1	07-MAY-2004 10:27:02	Dark	47.500	63	Bet Gru	2.1500	2800.0	95	11427	No
92	GOM_NL__2PRFIN20040507_102816_000000442026_00351_11427_2312.N1	07-MAY-2004 10:28:16	Dark	43.500	31	Alp Gru	1.7340	15200.	87	11427	No
93	GOM_NL__2PRFIN20040507_103352_000000422026_00352_11428_2232.N1	07-MAY-2004 10:33:52	Dark	41.500	45	Alp Pav	1.9400	26000.	83	11428	No
94	GOM_NL__2PRFIN20040507_103956_000000412026_00352_11428_2233.N1	07-MAY-2004 10:39:56	Straylight	40.500	43	Alp TrA	1.9100	4250.0	81	11428	No
95	GOM_NL__2PRFIN20040507_104121_000000482026_00352_11428_2234.N1	07-MAY-2004 10:41:21	Straylight	48.000	141	Bet Ara	2.8400	4600.0	96	11428	No
96	GOM_NL__2PRFIN20040507_104402_000000522026_00352_11428_2235.N1	07-MAY-2004 10:44:02	Straylight	52.000	4	Alp1Cen	-0.010000	5800.0	104	11428	No
97	GOM_NL__2PRFIN20040507_104732_000000402026_00352_11428_2236.N1	07-MAY-2004 10:47:32	Straylight	40.000	78	Alp Lup	2.3040	28000.	80	11428	No
98	GOM_NL__2PRFIN20040507_104903_000000412026_00352_11428_2237.N1	07-MAY-2004 10:49:03	Straylight	41.000	81	Eta Cen	2.3560	28000.	82	11428	No
99	GOM_NL__2PRFIN20040507_105135_000000662026_00352_11428_2238.N1	07-MAY-2004 10:51:35	Twilight	65.500	16	21Alp Sco	1.0200	3000.0	131	11428	No
100	GOM_NL__2PRFIN20040507_105333_000000602026_00352_11428_2239.N1	07-MAY-2004 10:53:33	Bright	60.000	80	7Del Sco	2.3160	30000.	120	11428	No
101	GOM_NL__2PRFIN20040507_105551_000000802026_00352_11428_2240.N1	07-MAY-2004 10:55:51	Bright	79.500	86	35Eta Oph	2.4300	10200.	159	11428	No

102	GOM_NL__2PRFIN20040507_223224_000000632026_00359_11435_2240.N1	07-MAY-2004 22:32:24	Straylight	62.500	75	26Eps Sco	2.2910	4250.0	125	11435	No
103	GOM_NL__2PRFIN20040507_223548_000000682026_00359_11435_2241.N1	07-MAY-2004 22:35:48	Twilight_stray	67.500	16	21Alp Sco	1.0200	3000.0	135	11435	No
104	GOM_NL__2PRFIN20040507_223745_000000572026_00359_11435_2242.N1	07-MAY-2004 22:37:45	Bright	56.500	80	7Del Sco	2.3160	30000.	113	11435	No
105	GOM_NL__2PRFIN20040507_224002_000000802026_00359_11435_2243.N1	07-MAY-2004 22:40:02	Bright	79.500	86	35Eta Oph	2.4300	10200.	159	11435	No
106	GOM_NL__2PRFIN20040507_224243_000000452026_00359_11435_2244.N1	07-MAY-2004 22:42:43	Bright	44.500	104	27Bet Lib	2.6140	13100.	89	11435	No
107	GOM_NL__2PRFIN20040507_224553_000000382026_00359_11435_2245.N1	07-MAY-2004 22:45:53	Bright	38.000	121	29Gam Vir	2.7400	7200.0	76	11435	No
108	GOM_NL__2PRFIN20040507_224903_000000382026_00359_11435_2246.N1	07-MAY-2004 22:49:03	Bright	37.500	138	47Eps Vir	2.8280	4700.0	75	11435	No
109	GOM_NL__2PRFIN20040507_225100_000000372026_00359_11435_2247.N1	07-MAY-2004 22:51:00	Bright	37.000	111	8Eta Boo	2.6800	6000.0	74	11435	No
110	GOM_NL__2PRFIN20040507_225408_000000432026_00359_11435_2248.N1	07-MAY-2004 22:54:08	Bright	42.500	83		2.3780	11000.	85	11435	No
111	GOM_NL__2PRFIN20040507_225641_000000362026_00359_11435_2249.N1	07-MAY-2004 22:56:41	Bright	36.000	152	12Alp2CVn	2.8900	11000.	72	11435	No
112	GOM_NL__2PRFIN20040507_225950_000000362026_00359_11435_2250.N1	07-MAY-2004 22:59:50	Bright	36.000	39	85Eta UMa	1.8540	24000.	72	11435	No
113	GOM_NL__2PRFIN20040507_230119_000000382026_00359_11435_2251.N1	07-MAY-2004 23:01:19	Bright	37.500	55	79Zet UMa	2.0600	10200.	75	11435	No
114	GOM_NL__2PRFIN20040507_230307_000000402026_00359_11435_2252.N1	07-MAY-2004 23:03:07	Bright	39.500	82	48Bet UMa	2.3650	10600.	79	11435	No
115	GOM_NL__2PRFIN20040507_230421_000000392026_00359_11435_2253.N1	07-MAY-2004 23:04:21	Bright	38.500	36	50Alp UMa	1.8000	6300.0	77	11435	No
116	GOM_NL__2PRFIN20040507_230627_000000452026_00359_11435_2254.N1	07-MAY-2004 23:06:27	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	11435	No
117	GOM_NL__2PRFIN20040507_230825_000000512026_00359_11435_2255.N1	07-MAY-2004 23:08:25	Bright	51.000	130	23Bet Dra	2.7990	5800.0	102	11435	No
118	GOM_NL__2PRFIN20040507_231123_000000342026_00359_11435_2256.N1	07-MAY-2004 23:11:23	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	11435	No
119	GOM_NL__2PRFIN20040507_231711_000000452026_00359_11435_2257.N1	07-MAY-2004 23:17:11	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	11435	No
120	GOM_NL__2PRFIN20040507_231931_000000352026_00359_11435_2258.N1	07-MAY-2004 23:19:31	Bright	35.000	76	27Gam Cas	2.3000	30000.	70	11435	No
121	GOM_NL__2PRFIN20040507_232046_000000382026_00359_11435_2259.N1	07-MAY-2004 23:20:46	Bright	38.000	68	18Alp Cas	2.2250	4500.0	76	11435	No
122	GOM_NL__2PRFIN20040507_232410_000000862026_00359_11435_2260.N1	07-MAY-2004 23:24:10	Bright	85.500	66	37Gam Cyg	2.2080	5900.0	171	11435	No
123	GOM_NL__2PRFIN20040507_232837_000000962026_00359_11435_2261.N1	07-MAY-2004 23:28:37	Twilight_stray	96.000	92	53Eps Cyg	2.5000	4500.0	192	11435	No
124	GOM_NL__2PRFIN20040507_233408_000000512026_00359_11435_2262.N1	07-MAY-2004 23:34:08	Dark	50.500	90	54Alp Peg	2.4870	11000.	101	11435	No
125	GOM_NL__2PRFIN20040507_234137_000000452026_00359_11435_2263.N1	07-MAY-2004 23:41:37	Dark	45.000	52	16Bet Cet	2.0370	4500.0	90	11435	No
126	GOM_NL__2PRFIN20040507_234718_000000492026_00359_11435_2264.N1	07-MAY-2004 23:47:18	Dark	48.500	18	24Alp PsA	1.1660	9700.0	97	11435	No
127	GOM_NL__2PRFIN20040507_235152_000000492026_00359_11435_2265.N1	07-MAY-2004 23:51:52	Dark	48.500	63	Bet Gru	2.1500	2800.0	97	11435	No
128	GOM_NL__2PRFIN20040507_235309_000000442026_00359_11435_2266.N1	07-MAY-2004 23:53:09	Dark	43.500	31	Alp Gru	1.7340	15200.	87	11435	No
129	GOM_NL__2PRFIN20040507_235523_000000462026_00360_11436_2240.N1	07-MAY-2004 23:55:23	Dark	46.000	148	Alp Tuc	2.8780	4100.0	92	11436	No
130	GOM_NL__2PRFIN20040507_235844_000000452026_00360_11436_2241.N1	07-MAY-2004 23:58:44	Dark	44.500	45	Alp Pav	1.9400	26000.	89	11436	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.

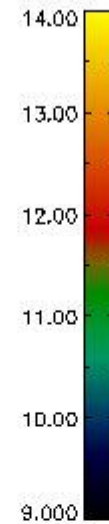
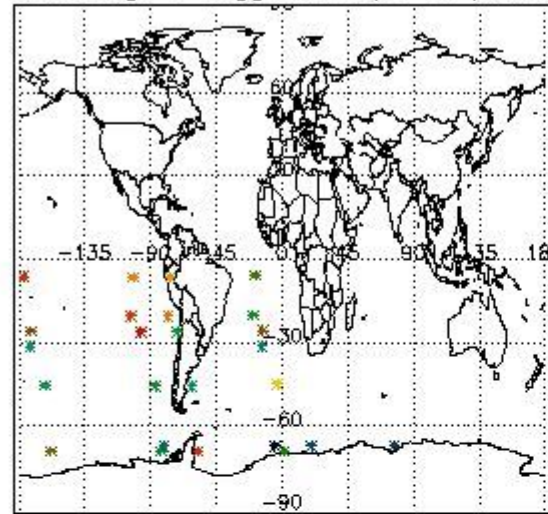
#### 3.1 Plot quality information per product (time dependant)



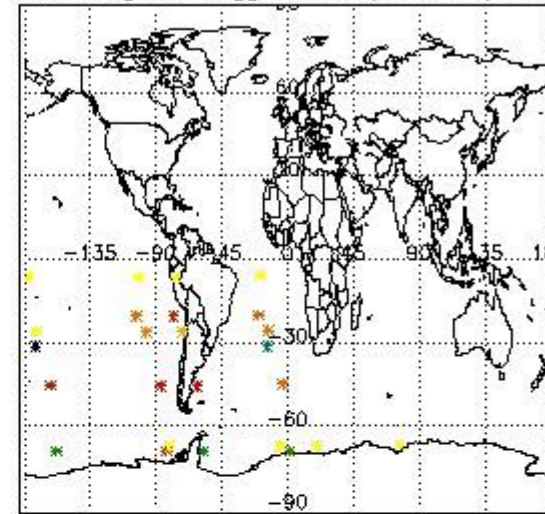
3.2 Plot quality information per product (world map)



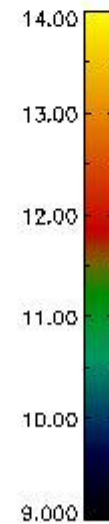
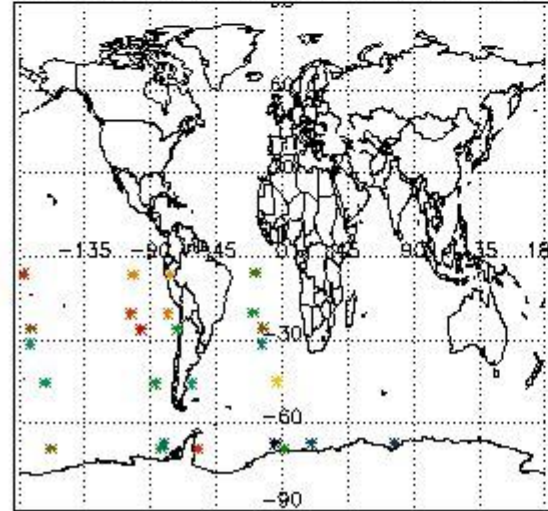
Percentage of flagged data per O3 profile



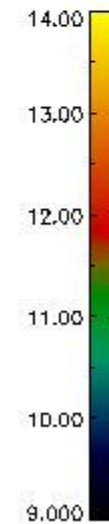
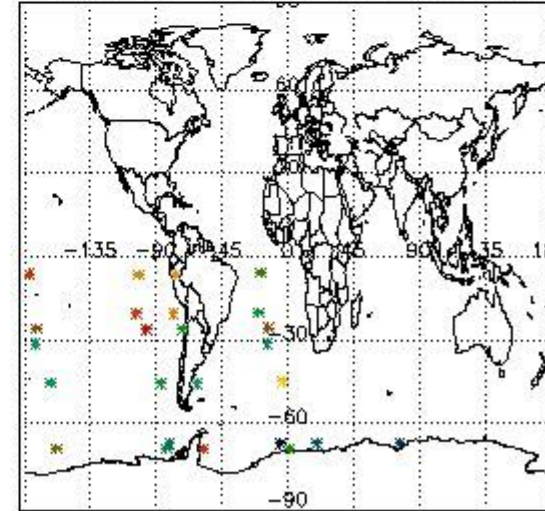
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

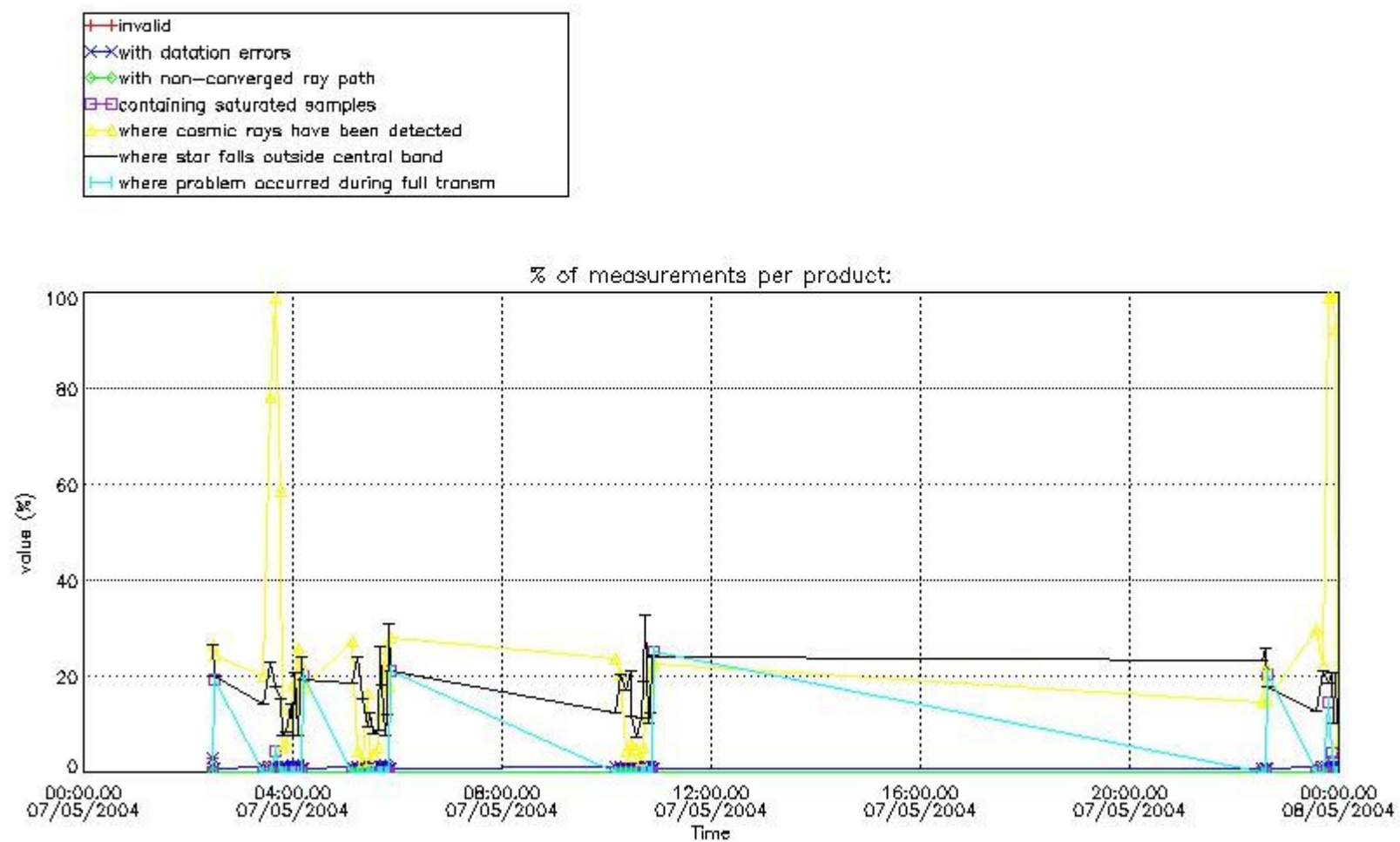


#### 4. Level 1 quality information per product

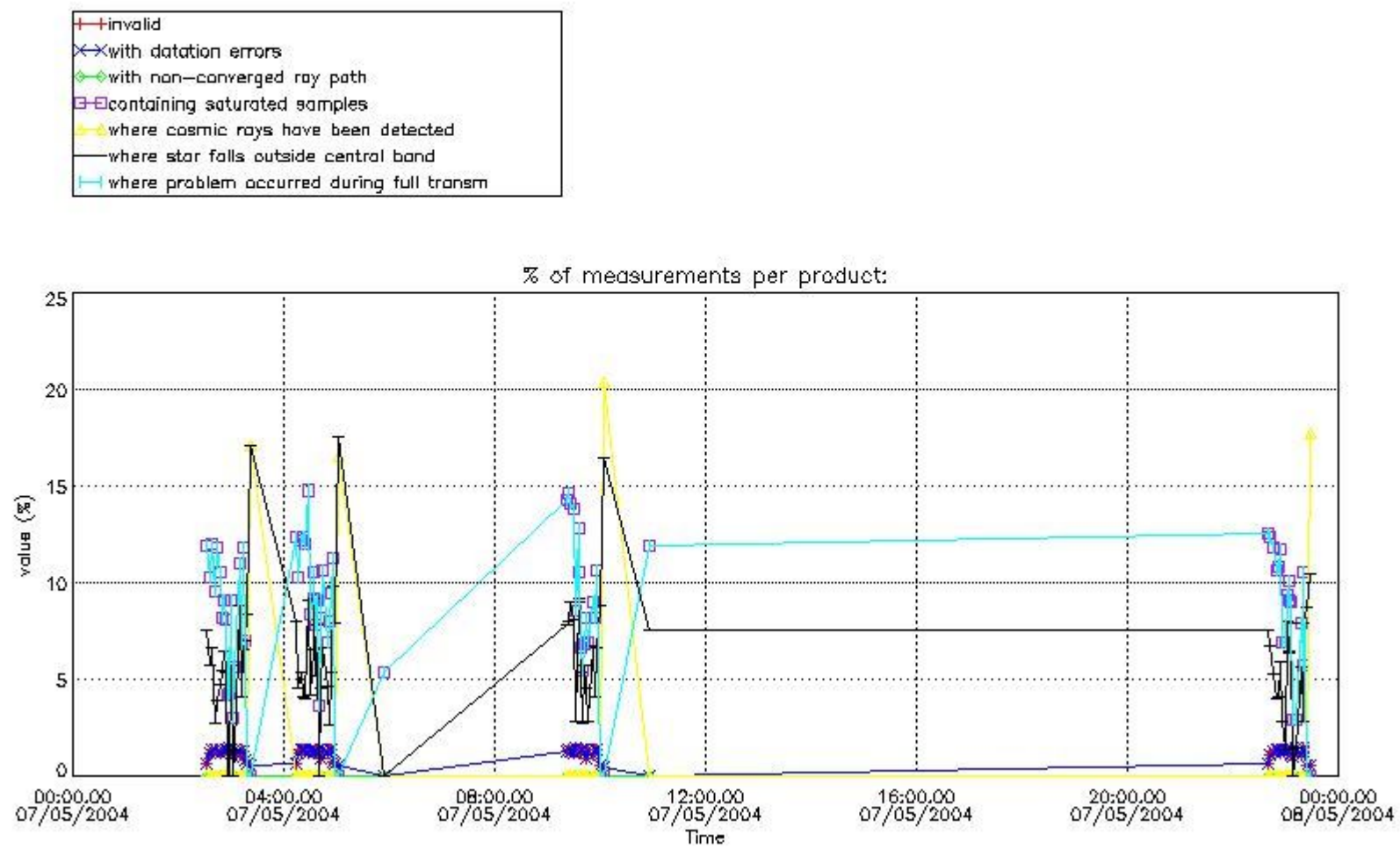
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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

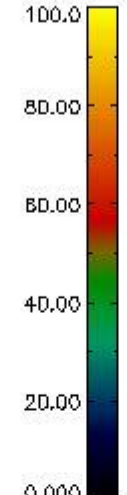
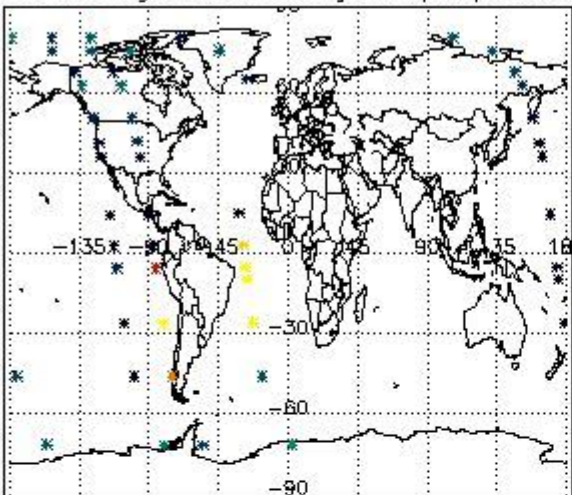


#### 4.2 Plot quality information per product coming from level 1b processing (world map)

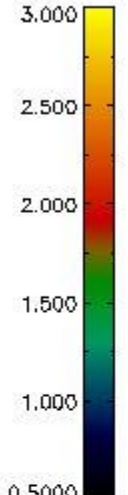
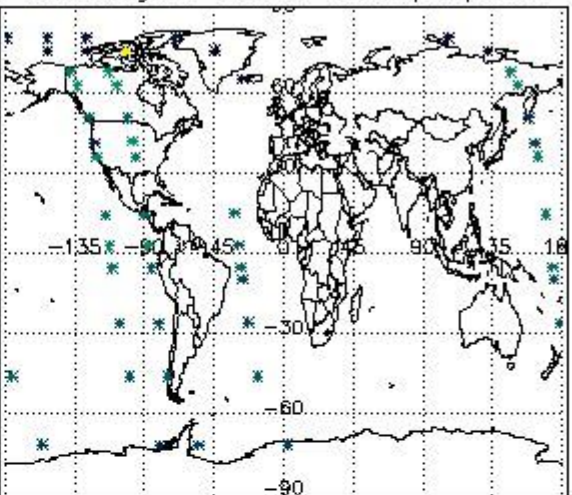
##### 4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes



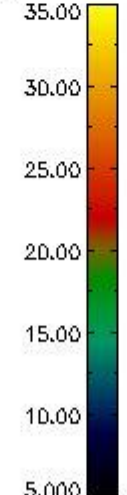
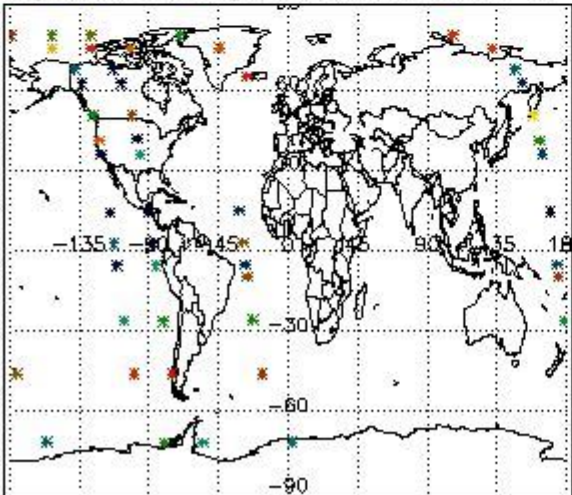
Percentage of cosmic ray hits per profile



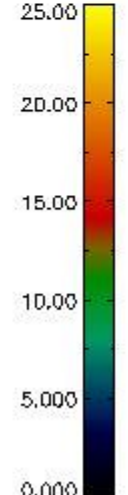
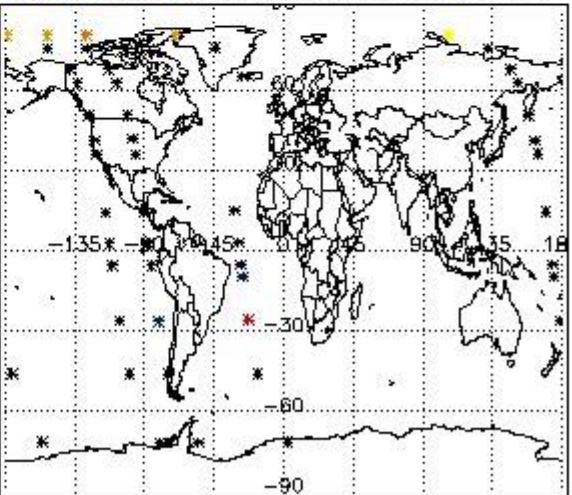
Percentage of datation errors per profile



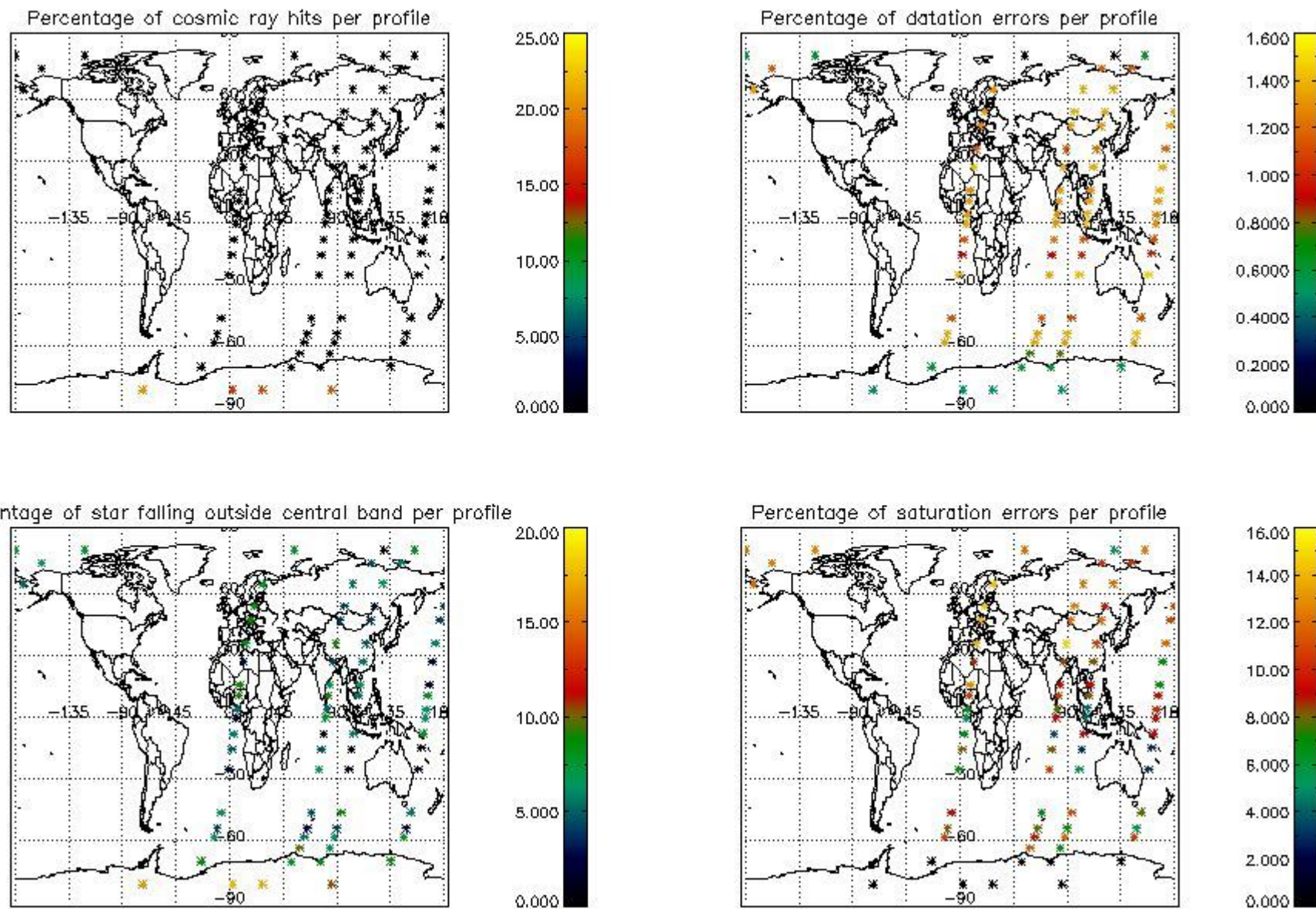
Percentage of star falling outside central band per profile



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.

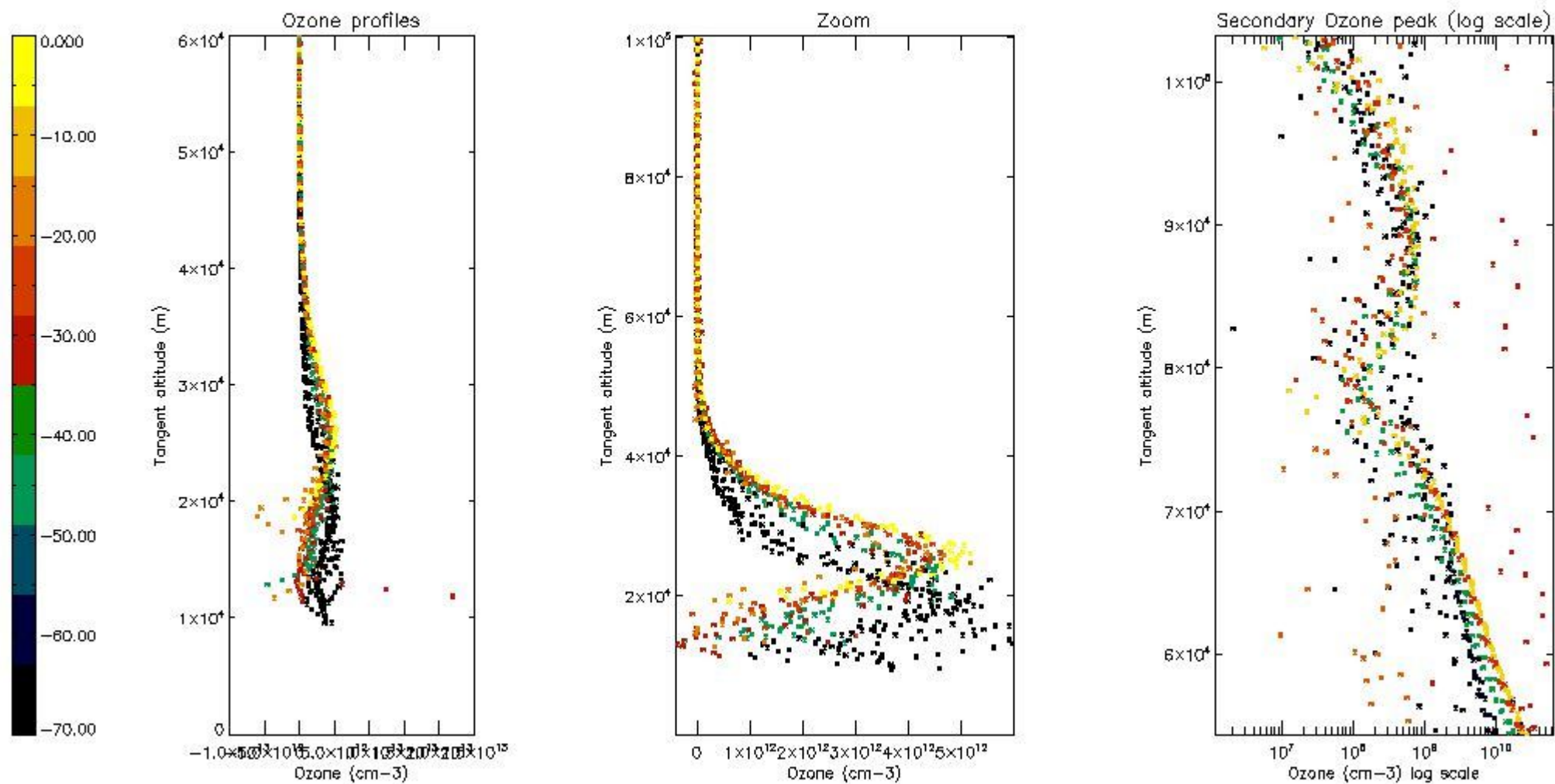
Criteria	% of total production
All STD	18
STD < 20	10



STD < 10	8
STD < 5	6

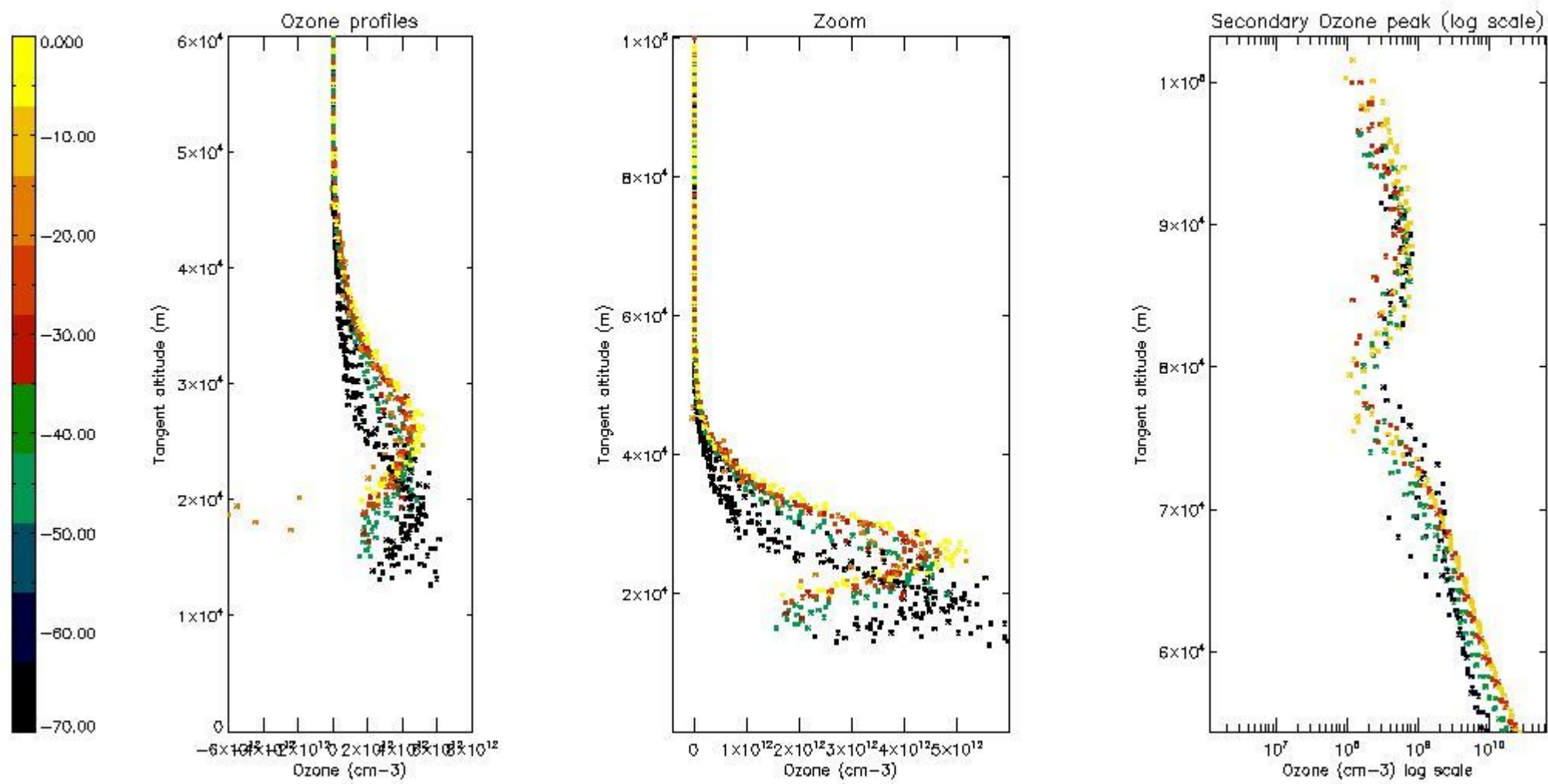
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

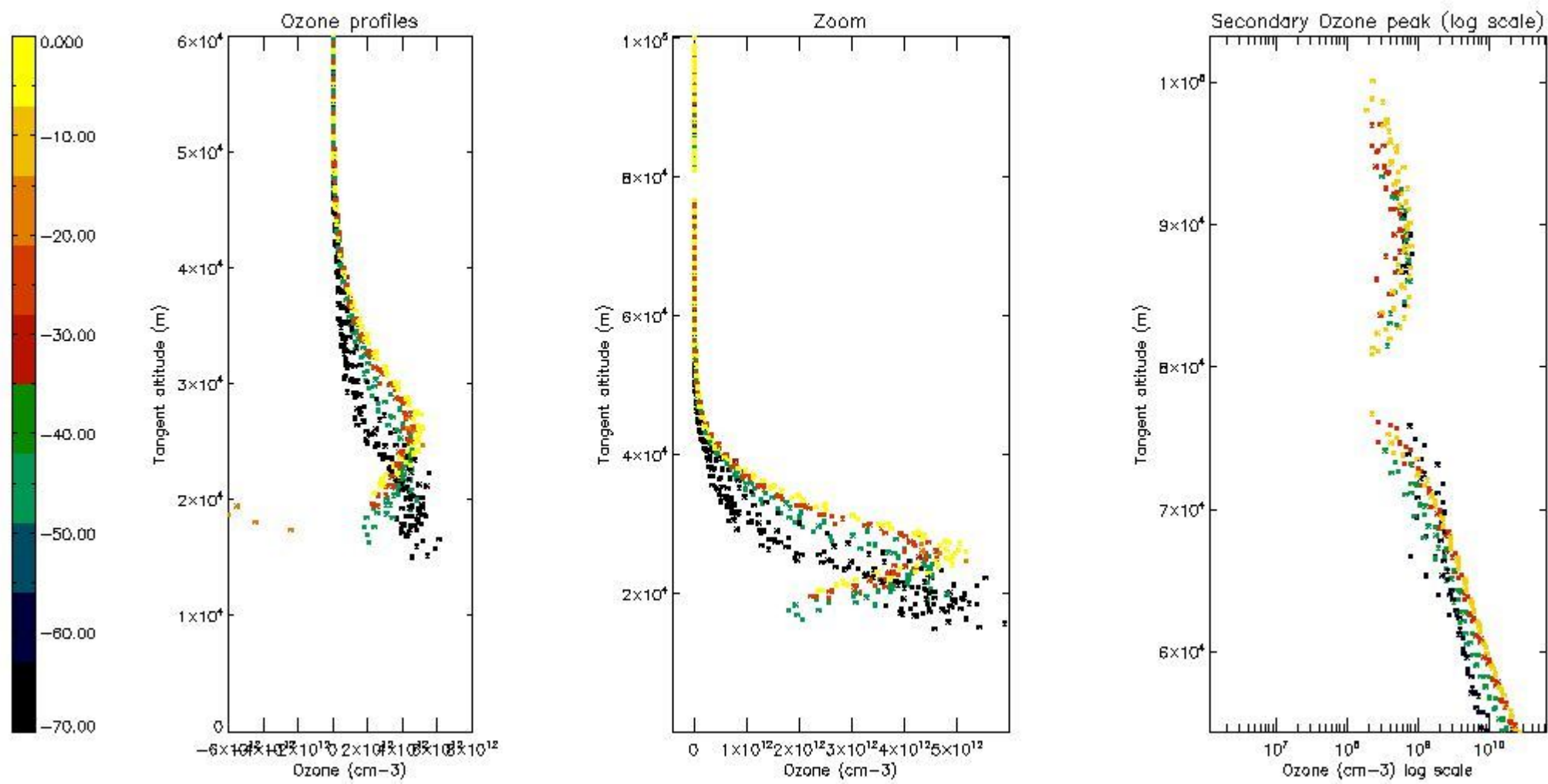
The colorbar represents the latitude.



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

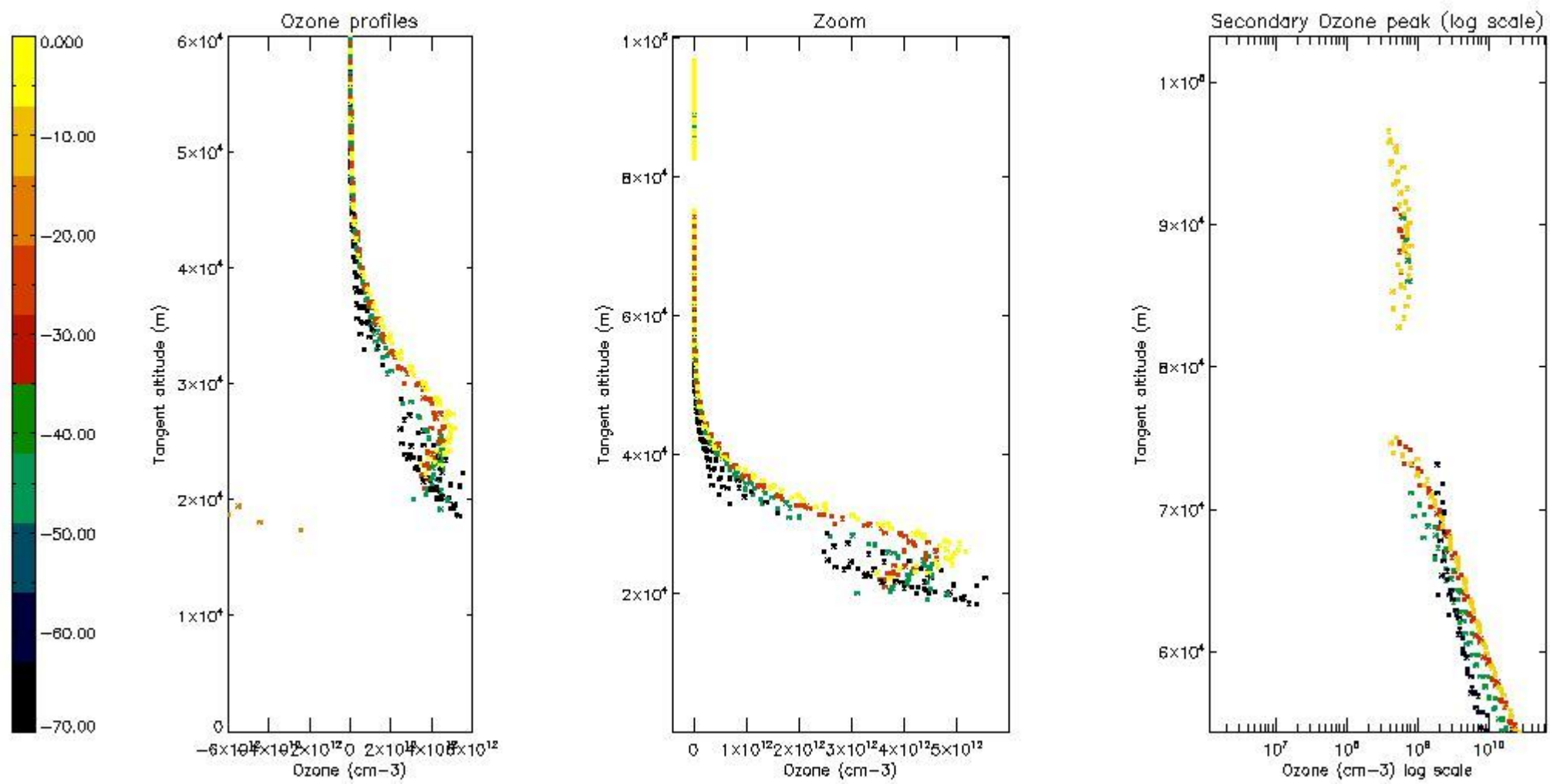
The colorbar represents the latitude.





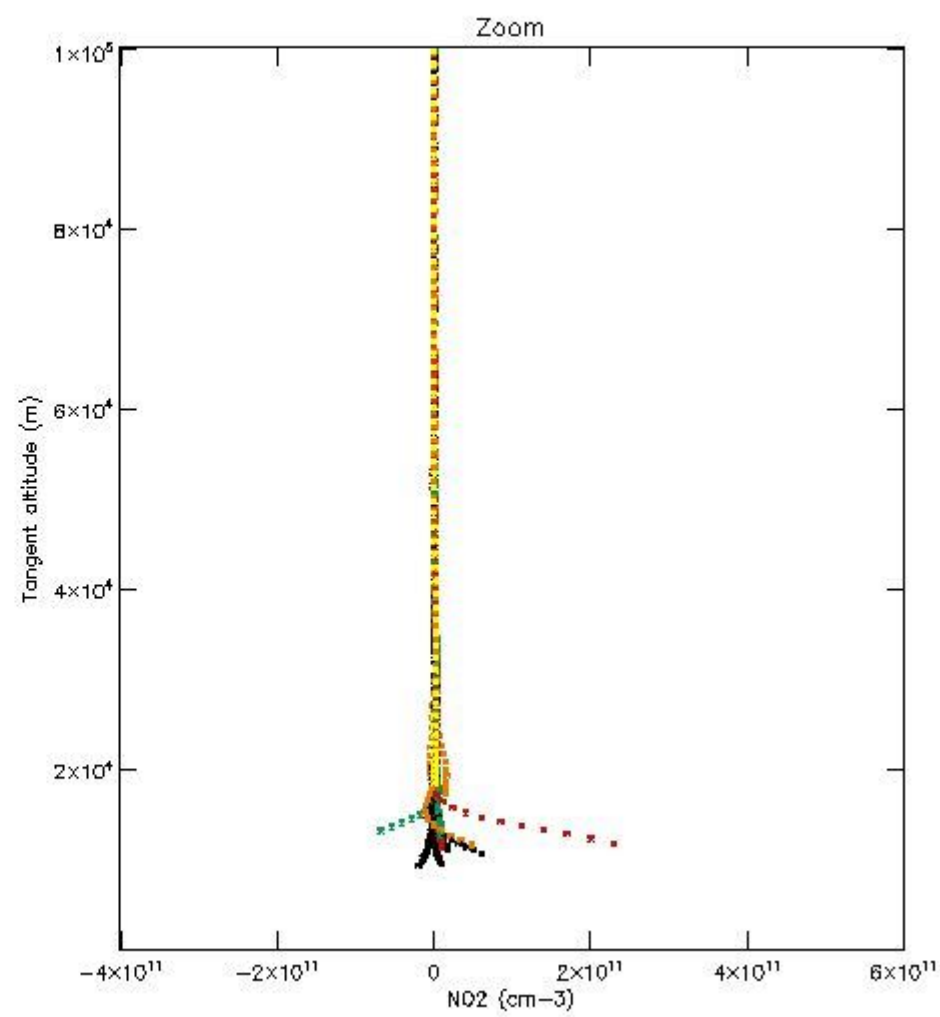
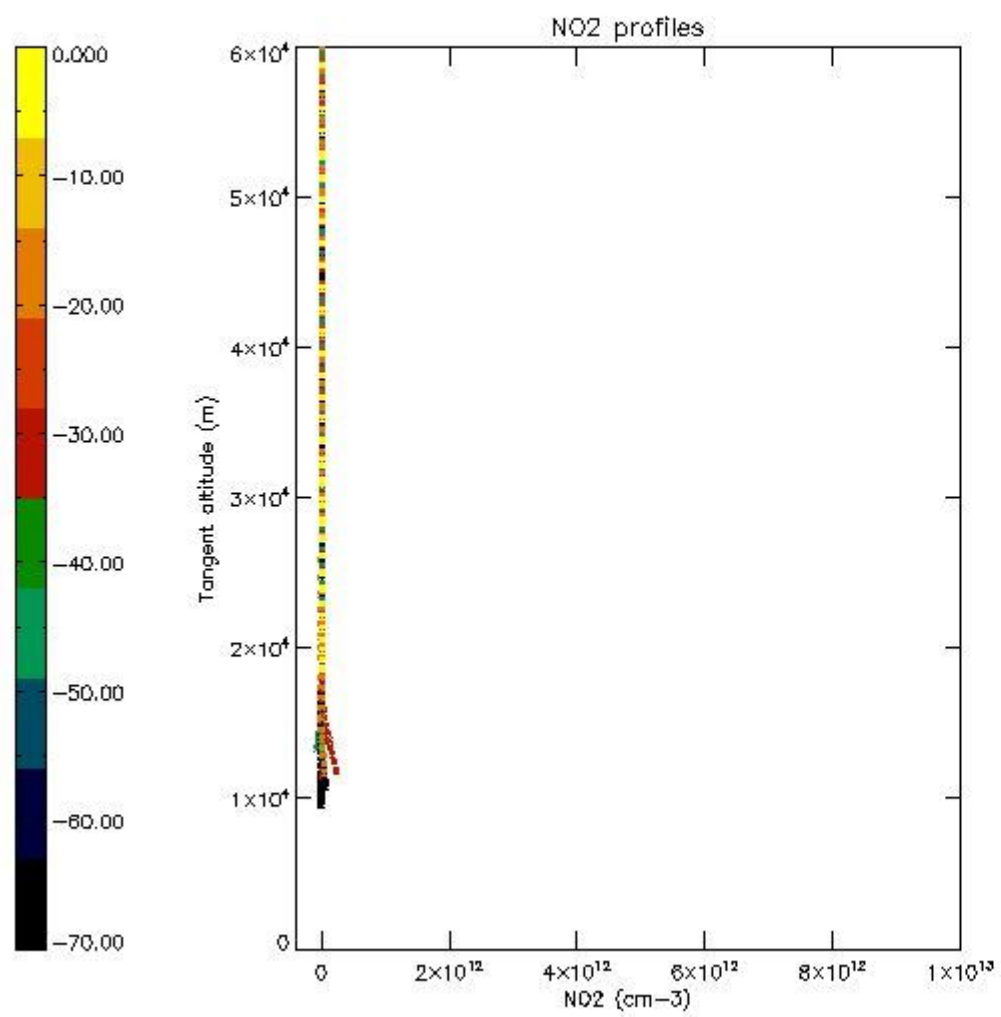
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



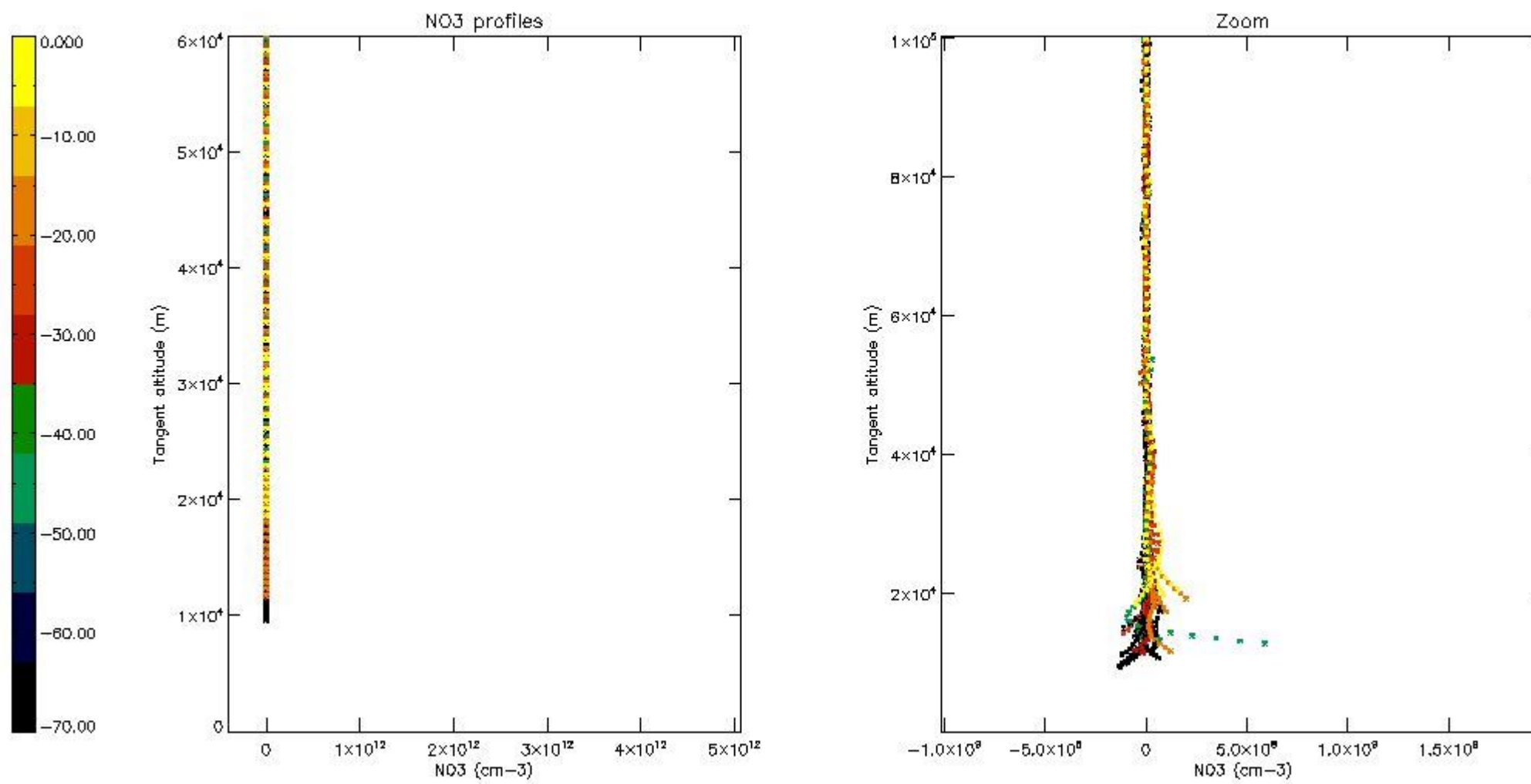
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

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_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	07-MAY-2004 02:28:32
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	07-MAY-2004 02:28:32
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	07-MAY-2004 02:28:32



# 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](#)

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

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

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

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

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

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

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

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

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

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

This report presents the daily analysis on parameters extracted from GOMOS level 2 data (GOM\_NL\_\_2P). It is intended to monitor some important parameters that will impact the quality of these products. A list of level 2 products (and content) that have arrived during the reporting day to the PCF is also given.

Item	Value
Time of report generation	19APR2013 01:28:25
Data source version	GOMOS/6.01
Start time of products	07-05-2004 (07MAY2004 00:00:00)
Stop time of products	08-05-2004 (08MAY2004 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	130
Nb of prods with errors	1

## 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__2PRFIN20040507_022832_000000682026_00347_11423_2212.N1	07-MAY-2004 02:28:32	Twilight	68.000	16	21Alp Sco	1.0200	3000.0	136	11423	No
2	GOM_NL__2PRFIN20040507_023031_000000582026_00347_11423_2213.N1	07-MAY-2004 02:30:31	Bright	57.500	80	7Del Sco	2.3160	30000.	115	11423	No
3	GOM_NL__2PRFIN20040507_023251_000000802026_00347_11423_2214.N1	07-MAY-2004 02:32:51	Bright	80.000	86	35Eta Oph	2.4300	10200.	160	11423	No
4	GOM_NL__2PRFIN20040507_023531_000000442026_00347_11423_2215.N1	07-MAY-2004 02:35:31	Bright	44.000	104	27Bet Lib	2.6140	13100.	88	11423	No
5	GOM_NL__2PRFIN20040507_023839_000000382026_00347_11423_2216.N1	07-MAY-2004 02:38:39	Bright	37.500	121	29Gam Vir	2.7400	7200.0	75	11423	No
6	GOM_NL__2PRFIN20040507_024151_000000372026_00347_11423_2217.N1	07-MAY-2004 02:41:51	Bright	36.500	138	47Eps Vir	2.8280	4700.0	73	11423	No
7	GOM_NL__2PRFIN20040507_024349_000000382026_00347_11423_2218.N1	07-MAY-2004 02:43:49	Bright	38.000	111	8Eta Boo	2.6800	6000.0	76	11423	No
8	GOM_NL__2PRFIN20040507_024701_000000432026_00347_11423_2219.N1	07-MAY-2004 02:47:01	Bright	42.500	83		2.3780	11000.	85	11423	No
9	GOM_NL__2PRFIN20040507_024929_000000372026_00347_11423_2220.N1	07-MAY-2004 02:49:29	Bright	36.500	152	12Alp2CVn	2.8900	11000.	73	11423	No
10	GOM_NL__2PRFIN20040507_025240_000000392026_00347_11423_2221.N1	07-MAY-2004 02:52:40	Bright	38.500	39	85Eta UMa	1.8540	24000.	77	11423	No
11	GOM_NL__2PRFIN20040507_025408_000000372026_00347_11423_2222.N1	07-MAY-2004 02:54:08	Bright	37.000	55	79Zet UMa	2.0600	10200.	74	11423	No
12	GOM_NL__2PRFIN20040507_025552_000000362026_00347_11423_2223.N1	07-MAY-2004 02:55:52	Bright	36.000	82	48Bet UMa	2.3650	10600.	72	11423	No
13	GOM_NL__2PRFIN20040507_025706_000000352026_00347_11423_2224.N1	07-MAY-2004 02:57:06	Bright	35.000	36	50Alp UMa	1.8000	6300.0	70	11423	No
14	GOM_NL__2PRFIN20040507_025921_000000442026_00347_11423_2225.N1	07-MAY-2004 02:59:21	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	11423	No
15	GOM_NL__2PRFIN20040507_030127_000000512026_00347_11423_2226.N1	07-MAY-2004 03:01:27	Bright	50.500	130	23Bet Dra	2.7990	5800.0	101	11423	No
16	GOM_NL__2PRFIN20040507_030411_000000362026_00347_11423_2227.N1	07-MAY-2004 03:04:11	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	11423	No
17	GOM_NL__2PRFIN20040507_031004_000000462026_00347_11423_2228.N1	07-MAY-2004 03:10:04	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	11423	No
18	GOM_NL__2PRFIN20040507_031218_000000372026_00347_11423_2229.N1	07-MAY-2004 03:12:18	Bright	36.500	76	27Gam Cas	2.3000	30000.	73	11423	No
19	GOM_NL__2PRFIN20040507_031333_000000382026_00347_11423_2230.N1	07-MAY-2004 03:13:33	Bright	38.000	68	18Alp Cas	2.2250	4500.0	76	11423	No
20	GOM_NL__2PRFIN20040507_031506_000000642026_00347_11423_2231.N1	07-MAY-2004 03:15:06	Bright	64.000	19	50Alp Cyg	1.2460	10500.	128	11423	No
21	GOM_NL__2PRFIN20040507_031705_000000842026_00347_11423_2232.N1	07-MAY-2004 03:17:05	Bright	83.500	66	37Gam Cyg	2.2080	5900.0	167	11423	No
22	GOM_NL__2PRFIN20040507_032126_000001002026_00347_11423_2233.N1	07-MAY-2004 03:21:26	Twilight	99.500	92	53Eps Cyg	2.5000	4500.0	199	11423	No
23	GOM_NL__2PRFIN20040507_032652_000000502026_00347_11423_2234.N1	07-MAY-2004 03:26:52	Dark	50.000	90	54Alp Peg	2.4870	11000.	100	11423	No
24	GOM_NL__2PRFIN20040507_033423_000000462026_00347_11423_2235.N1	07-MAY-2004 03:34:23	Dark	45.500	52	16Bet Cet	2.0370	4500.0	91	11423	No
25	GOM_NL__2PRFIN20040507_034000_000000482026_00347_11423_2236.N1	07-MAY-2004 03:40:00	Dark	47.500	18	24Alp PsA	1.1660	9700.0	95	11423	No
26	GOM_NL__2PRFIN20040507_034550_000000462026_00347_11423_2237.N1	07-MAY-2004 03:45:50	Dark	46.000	31	Alp Gru	1.7340	15200.	92	11423	No
27	GOM_NL__2PRFIN20040507_034807_000000402026_00348_11424_2212.N1	07-MAY-2004 03:48:07	Dark	39.500	148	Alp Tuc	2.8780	4100.0	79	11424	No
28	GOM_NL__2PRFIN20040507_035124_000000432026_00348_11424_2213.N1	07-MAY-2004 03:51:24	Dark	42.500	45	Alp Pav	1.9400	26000.	85	11424	No
29	GOM_NL__2PRFIN20040507_035731_000000422026_00348_11424_2214.N1	07-MAY-2004 03:57:31	Straylight	42.000	43	Alp TrA	1.9100	4250.0	84	11424	No
30	GOM_NL__2PRFIN20040507_035908_000000392026_00348_11424_2215.N1	07-MAY-2004 03:59:08	Straylight	38.500	145	Gam TrA	2.8720	10600.	77	11424	No
31	GOM_NL__2PRFIN20040507_040137_000000462026_00348_11424_2216.N1	07-MAY-2004 04:01:37	Straylight	45.500	4	Alp1Cen	-0.010000	5800.0	91	11424	No
32	GOM_NL__2PRFIN20040507_040507_000000392026_00348_11424_2217.N1	07-MAY-2004 04:05:07	Straylight	39.000	78	Alp Lup	2.3040	28000.	78	11424	No
33	GOM_NL__2PRFIN20040507_040638_000000402026_00348_11424_2218.N1	07-MAY-2004 04:06:38	Straylight	39.500	81	Eta Cen	2.3560	28000.	79	11424	No
34	GOM_NL__2PRFIN20040507_040909_000000652026_00348_11424_2219.N1	07-MAY-2004 04:09:09	Twilight	65.000	16	21Alp Sco	1.0200	3000.0	130	11424	No
35	GOM_NL__2PRFIN20040507_041108_000000572026_00348_11424_2220.N1	07-MAY-2004 04:11:08	Bright	57.000	80	7Del Sco	2.3160	30000.	114	11424	No
36	GOM_NL__2PRFIN20040507_041327_000000812026_00348_11424_2221.N1	07-MAY-2004 04:13:27	Bright	81.000	86	35Eta Oph	2.4300	10200.	162	11424	No
37	GOM_NL__2PRFIN20040507_041607_000000442026_00348_11424_2222.N1	07-MAY-2004 04:16:07	Bright	44.000	104	27Bet Lib	2.6140	13100.	88	11424	No
38	GOM_NL__2PRFIN20040507_041916_000000372026_00348_11424_2223.N1	07-MAY-2004 04:19:16	Bright	37.000	121	29Gam Vir	2.7400	7200.0	74	11424	No
39	GOM_NL__2PRFIN20040507_042228_000000372026_00348_11424_2224.N1	07-MAY-2004 04:22:28	Bright	36.500	138	47Eps Vir	2.8280	4700.0	73	11424	No
40	GOM_NL__2PRFIN20040507_042425_000000382026_00348_11424_2225.N1	07-MAY-2004 04:24:25	Bright	37.500	111	8Eta Boo	2.6800	6000.0	75	11424	No
41	GOM_NL__2PRFIN20040507_042737_000000442026_00348_11424_2226.N1	07-MAY-2004 04:27:37	Bright	44.000	83		2.3780	11000.	88	11424	No
42	GOM_NL__2PRFIN20040507_043005_000000362026_00348_11424_2227.N1	07-MAY-2004 04:30:05	Bright	36.000	152	12Alp2CVn	2.8900	11000.	72	11424	No

43	GOM_NL__2PRFIN20040507_043316_000000382026_00348_11424_2228.N1	07-MAY-2004 04:33:16	Bright	38.000	39	85Eta UMa	1.8540	24000.	76	11424	No
44	GOM_NL__2PRFIN20040507_043444_000000382026_00348_11424_2229.N1	07-MAY-2004 04:34:44	Bright	38.000	55	79Zet UMa	2.0600	10200.	76	11424	No
45	GOM_NL__2PRFIN20040507_043628_000000392026_00348_11424_2230.N1	07-MAY-2004 04:36:28	Bright	38.500	82	48Bet UMa	2.3650	10600.	77	11424	No
46	GOM_NL__2PRFIN20040507_043742_000000392026_00348_11424_2231.N1	07-MAY-2004 04:37:42	Bright	38.500	36	50Alp UMa	1.8000	6300.0	77	11424	No
47	GOM_NL__2PRFIN20040507_043957_000000412026_00348_11424_2232.N1	07-MAY-2004 04:39:57	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	11424	No
48	GOM_NL__2PRFIN20040507_044202_000000552026_00348_11424_2233.N1	07-MAY-2004 04:42:02	Bright	55.000	130	23Bet Dra	2.7990	5800.0	110	11424	No
49	GOM_NL__2PRFIN20040507_044447_000000382026_00348_11424_2234.N1	07-MAY-2004 04:44:47	Bright	37.500	49	1Alp UMi	1.9900	6300.0	75	11424	No
50	GOM_NL__2PRFIN20040507_045040_000000442026_00348_11424_2235.N1	07-MAY-2004 04:50:40	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	11424	No
51	GOM_NL__2PRFIN20040507_045253_000000382026_00348_11424_2236.N1	07-MAY-2004 04:52:53	Bright	37.500	76	27Gam Cas	2.3000	30000.	75	11424	No
52	GOM_NL__2PRFIN20040507_045410_000000372026_00348_11424_2237.N1	07-MAY-2004 04:54:10	Bright	37.000	68	18Alp Cas	2.2250	4500.0	74	11424	No
53	GOM_NL__2PRFIN20040507_045542_000000672026_00348_11424_2238.N1	07-MAY-2004 04:55:42	Bright	66.500	19	50Alp Cyg	1.2460	10500.	133	11424	No
54	GOM_NL__2PRFIN20040507_045740_000000832026_00348_11424_2239.N1	07-MAY-2004 04:57:40	Bright	82.500	66	37Gam Cyg	2.2080	5900.0	165	11424	No
55	GOM_NL__2PRFIN20040507_050202_000001002026_00348_11424_2240.N1	07-MAY-2004 05:02:02	Twilight	100.00	92	53Eps Cyg	2.5000	4500.0	200	11424	No
56	GOM_NL__2PRFIN20040507_050728_000000542026_00348_11424_2241.N1	07-MAY-2004 05:07:28	Dark	53.500	90	54Alp Peg	2.4870	11000.	107	11424	No
57	GOM_NL__2PRFIN20040507_051459_000000462026_00348_11424_2242.N1	07-MAY-2004 05:14:59	Dark	46.000	52	16Bet Cet	2.0370	4500.0	92	11424	No
58	GOM_NL__2PRFIN20040507_052036_000000462026_00348_11424_2243.N1	07-MAY-2004 05:20:36	Dark	46.000	18	24Alp PsA	1.1660	9700.0	92	11424	No
59	GOM_NL__2PRFIN20040507_052627_000000432026_00348_11424_2244.N1	07-MAY-2004 05:26:27	Dark	42.500	31	Alp Gru	1.7340	15200.	85	11424	No
60	GOM_NL__2PRFIN20040507_052844_000000412026_00349_11425_2212.N1	07-MAY-2004 05:28:44	Dark	41.000	148	Alp Tuc	2.8780	4100.0	82	11425	No
61	GOM_NL__2PRFIN20040507_053201_000000432026_00349_11425_2213.N1	07-MAY-2004 05:32:01	Dark	43.000	45	Alp Pav	1.9400	26000.	86	11425	No
62	GOM_NL__2PRFIN20040507_053807_000000402026_00349_11425_2214.N1	07-MAY-2004 05:38:07	Straylight	40.000	43	Alp TrA	1.9100	4250.0	80	11425	No
63	GOM_NL__2PRFIN20040507_053931_000000542026_00349_11425_2215.N1	07-MAY-2004 05:39:31	Straylight	53.500	141	Bet Ara	2.8400	4600.0	107	11425	No
64	GOM_NL__2PRFIN20040507_054214_000000442026_00349_11425_2216.N1	07-MAY-2004 05:42:14	Straylight	44.000	4	Alp1Cen	-0.010000	5800.0	88	11425	No
65	GOM_NL__2PRFIN20040507_054544_000000392026_00349_11425_2217.N1	07-MAY-2004 05:45:44	Straylight	39.000	78	Alp Lup	2.3040	28000.	78	11425	No
66	GOM_NL__2PRFIN20040507_054715_000000422026_00349_11425_2218.N1	07-MAY-2004 05:47:15	Straylight	41.500	81	Eta Cen	2.3560	28000.	83	11425	No
67	GOM_NL__2PRFIN20040507_054945_000000732026_00349_11425_2219.N1	07-MAY-2004 05:49:45	Twilight	73.000	16	21Alp Sco	1.0200	3000.0	146	11425	No
68	GOM_NL__2PRFIN20040507_055145_000000572026_00349_11425_2220.N1	07-MAY-2004 05:51:45	Bright	57.000	80	7Del Sco	2.3160	30000.	114	11425	No
69	GOM_NL__2PRFIN20040507_055403_000000742026_00349_11425_2221.N1	07-MAY-2004 05:54:03	Bright	74.000	86	35Eta Oph	2.4300	10200.	148	11425	No
70	GOM_NL__2PRFIN20040507_091755_000000452026_00351_11427_2290.N1	07-MAY-2004 09:17:55	Dark	45.000	104	27Bet Lib	2.6140	13100.	90	11427	Yes
71	GOM_NL__2PRFIN20040507_092104_000000392026_00351_11427_2291.N1	07-MAY-2004 09:21:04	Bright	38.500	121	29Gam Vir	2.7400	7200.0	77	11427	No
72	GOM_NL__2PRFIN20040507_092416_000000382026_00351_11427_2292.N1	07-MAY-2004 09:24:16	Bright	37.500	138	47Eps Vir	2.8280	4700.0	75	11427	No
73	GOM_NL__2PRFIN20040507_092613_000000392026_00351_11427_2293.N1	07-MAY-2004 09:26:13	Bright	39.000	111	8Eta Boo	2.6800	6000.0	78	11427	No
74	GOM_NL__2PRFIN20040507_092924_000000442026_00351_11427_2294.N1	07-MAY-2004 09:29:24	Bright	43.500	83		2.3780	11000.	87	11427	No
75	GOM_NL__2PRFIN20040507_093154_000000352026_00351_11427_2295.N1	07-MAY-2004 09:31:54	Bright	35.000	152	12Alp2CVn	2.8900	11000.	70	11427	No
76	GOM_NL__2PRFIN20040507_093504_000000392026_00351_11427_2296.N1	07-MAY-2004 09:35:04	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	11427	No
77	GOM_NL__2PRFIN20040507_093632_000000382026_00351_11427_2297.N1	07-MAY-2004 09:36:32	Bright	38.000	55	79Zet UMa	2.0600	10200.	76	11427	No
78	GOM_NL__2PRFIN20040507_093818_000000382026_00351_11427_2298.N1	07-MAY-2004 09:38:18	Bright	37.500	82	48Bet UMa	2.3650	10600.	75	11427	No
79	GOM_NL__2PRFIN20040507_093931_000000372026_00351_11427_2299.N1	07-MAY-2004 09:39:31	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	11427	No
80	GOM_NL__2PRFIN20040507_094143_000000442026_00351_11427_2300.N1	07-MAY-2004 09:41:43	Bright	44.000	119	14Eta Dra	2.7270	4700.0	88	11427	No
81	GOM_NL__2PRFIN20040507_094346_000000552026_00351_11427_2301.N1	07-MAY-2004 09:43:46	Bright	55.000	130	23Bet Dra	2.7990	5800.0	110	11427	No
82	GOM_NL__2PRFIN20040507_094636_000000362026_00351_11427_2302.N1	07-MAY-2004 09:46:36	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	11427	No
83	GOM_NL__2PRFIN20040507_095226_000000452026_00351_11427_2303.N1	07-MAY-2004 09:52:26	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	11427	No
84	GOM_NL__2PRFIN20040507_095442_000000372026_00351_11427_2304.N1	07-MAY-2004 09:54:42	Bright	36.500	76	27Gam Cas	2.3000	30000.	73	11427	No
85	GOM_NL__2PRFIN20040507_095558_000000382026_00351_11427_2305.N1	07-MAY-2004 09:55:58	Bright	37.500	68	18Alp Cas	2.2250	4500.0	75	11427	No
86	GOM_NL__2PRFIN20040507_095926_000000852026_00351_11427_2306.N1	07-MAY-2004 09:59:26	Bright	85.000	66	37Gam Cyg	2.2080	5900.0	170	11427	No
87	GOM_NL__2PRFIN20040507_100350_000001012026_00351_11427_2307.N1	07-MAY-2004 10:03:50	Twilight	100.50	92	53Eps Cyg	2.5000	4500.0	201	11427	No
88	GOM_NL__2PRFIN20040507_100918_000000492026_00351_11427_2308.N1	07-MAY-2004 10:09:18	Dark	49.000	90	54Alp Peg	2.4870	11000.	98	11427	No
89	GOM_NL__2PRFIN20040507_101648_000000442026_00351_11427_2309.N1	07-MAY-2004 10:16:48	Dark	44.000	52	16Bet Cet	2.0370	4500.0	88	11427	No
90	GOM_NL__2PRFIN20040507_102226_000000472026_00351_11427_2310.N1	07-MAY-2004 10:22:26	Dark	47.000	18	24Alp PsA	1.1660	9700.0	94	11427	No
91	GOM_NL__2PRFIN20040507_102702_000000482026_00351_11427_2311.N1	07-MAY-2004 10:27:02	Dark	47.500	63	Bet Gru	2.1500	2800.0	95	11427	No
92	GOM_NL__2PRFIN20040507_102816_000000442026_00351_11427_2312.N1	07-MAY-2004 10:28:16	Dark	43.500	31	Alp Gru	1.7340	15200.	87	11427	No
93	GOM_NL__2PRFIN20040507_103352_000000422026_00352_11428_2232.N1	07-MAY-2004 10:33:52	Dark	41.500	45	Alp Pav	1.9400	26000.	83	11428	No
94	GOM_NL__2PRFIN20040507_103956_000000412026_00352_11428_2233.N1	07-MAY-2004 10:39:56	Straylight	40.500	43	Alp TrA	1.9100	4250.0	81	11428	No
95	GOM_NL__2PRFIN20040507_104121_000000482026_00352_11428_2234.N1	07-MAY-2004 10:41:21	Straylight	48.000	141	Bet Ara	2.8400	4600.0	96	11428	No
96	GOM_NL__2PRFIN20040507_104402_000000522026_00352_11428_2235.N1	07-MAY-2004 10:44:02	Straylight	52.000	4	Alp1Cen	-0.010000	5800.0	104	11428	No
97	GOM_NL__2PRFIN20040507_104732_000000402026_00352_11428_2236.N1	07-MAY-2004 10:47:32	Straylight	40.000	78	Alp Lup	2.3040	28000.	80	11428	No
98	GOM_NL__2PRFIN20040507_104903_000000412026_00352_11428_2237.N1	07-MAY-2004 10:49:03	Straylight	41.000	81	Eta Cen	2.3560	28000.	82	11428	No
99	GOM_NL__2PRFIN20040507_105135_000000662026_00352_11428_2238.N1	07-MAY-2004 10:51:35	Twilight	65.500	16	21Alp Sco	1.0200	3000.0	131	11428	No
100	GOM_NL__2PRFIN20040507_105333_000000602026_00352_11428_2239.N1	07-MAY-2004 10:53:33	Bright	60.000	80	7Del Sco	2.3160	30000.	120	11428	No
101	GOM_NL__2PRFIN20040507_105551_000000802026_00352_11428_2240.N1	07-MAY-2004 10:55:51	Bright	79.500	86	35Eta Oph	2.4300	10200.	159	11428	No

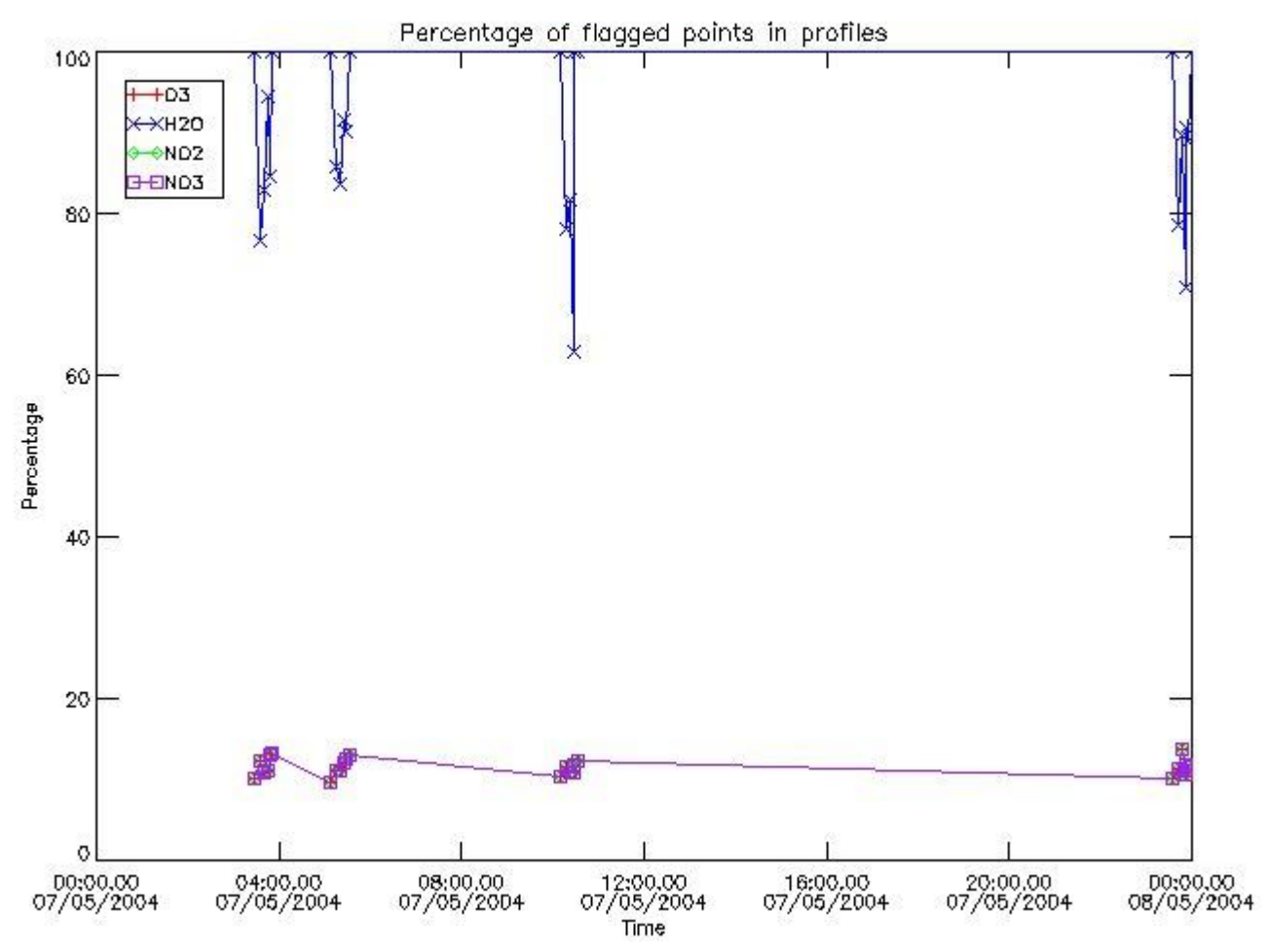
102	GOM_NL__2PRFIN20040507_223224_000000632026_00359_11435_2240.N1	07-MAY-2004 22:32:24	Straylight	62.500	75	26Eps Sco	2.2910	4250.0	125	11435	No
103	GOM_NL__2PRFIN20040507_223548_000000682026_00359_11435_2241.N1	07-MAY-2004 22:35:48	Twilight_stray	67.500	16	21Alp Sco	1.0200	3000.0	135	11435	No
104	GOM_NL__2PRFIN20040507_223745_000000572026_00359_11435_2242.N1	07-MAY-2004 22:37:45	Bright	56.500	80	7Del Sco	2.3160	30000.	113	11435	No
105	GOM_NL__2PRFIN20040507_224002_000000802026_00359_11435_2243.N1	07-MAY-2004 22:40:02	Bright	79.500	86	35Eta Oph	2.4300	10200.	159	11435	No
106	GOM_NL__2PRFIN20040507_224243_000000452026_00359_11435_2244.N1	07-MAY-2004 22:42:43	Bright	44.500	104	27Bet Lib	2.6140	13100.	89	11435	No
107	GOM_NL__2PRFIN20040507_224553_000000382026_00359_11435_2245.N1	07-MAY-2004 22:45:53	Bright	38.000	121	29Gam Vir	2.7400	7200.0	76	11435	No
108	GOM_NL__2PRFIN20040507_224903_000000382026_00359_11435_2246.N1	07-MAY-2004 22:49:03	Bright	37.500	138	47Eps Vir	2.8280	4700.0	75	11435	No
109	GOM_NL__2PRFIN20040507_225100_000000372026_00359_11435_2247.N1	07-MAY-2004 22:51:00	Bright	37.000	111	8Eta Boo	2.6800	6000.0	74	11435	No
110	GOM_NL__2PRFIN20040507_225408_000000432026_00359_11435_2248.N1	07-MAY-2004 22:54:08	Bright	42.500	83		2.3780	11000.	85	11435	No
111	GOM_NL__2PRFIN20040507_225641_000000362026_00359_11435_2249.N1	07-MAY-2004 22:56:41	Bright	36.000	152	12Alp2CVn	2.8900	11000.	72	11435	No
112	GOM_NL__2PRFIN20040507_225950_000000362026_00359_11435_2250.N1	07-MAY-2004 22:59:50	Bright	36.000	39	85Eta UMa	1.8540	24000.	72	11435	No
113	GOM_NL__2PRFIN20040507_230119_000000382026_00359_11435_2251.N1	07-MAY-2004 23:01:19	Bright	37.500	55	79Zet UMa	2.0600	10200.	75	11435	No
114	GOM_NL__2PRFIN20040507_230307_000000402026_00359_11435_2252.N1	07-MAY-2004 23:03:07	Bright	39.500	82	48Bet UMa	2.3650	10600.	79	11435	No
115	GOM_NL__2PRFIN20040507_230421_000000392026_00359_11435_2253.N1	07-MAY-2004 23:04:21	Bright	38.500	36	50Alp UMa	1.8000	6300.0	77	11435	No
116	GOM_NL__2PRFIN20040507_230627_000000452026_00359_11435_2254.N1	07-MAY-2004 23:06:27	Bright	44.500	119	14Eta Dra	2.7270	4700.0	89	11435	No
117	GOM_NL__2PRFIN20040507_230825_000000512026_00359_11435_2255.N1	07-MAY-2004 23:08:25	Bright	51.000	130	23Bet Dra	2.7990	5800.0	102	11435	No
118	GOM_NL__2PRFIN20040507_231123_000000342026_00359_11435_2256.N1	07-MAY-2004 23:11:23	Bright	34.000	49	1Alp UMi	1.9900	6300.0	68	11435	No
119	GOM_NL__2PRFIN20040507_231711_000000452026_00359_11435_2257.N1	07-MAY-2004 23:17:11	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	11435	No
120	GOM_NL__2PRFIN20040507_231931_000000352026_00359_11435_2258.N1	07-MAY-2004 23:19:31	Bright	35.000	76	27Gam Cas	2.3000	30000.	70	11435	No
121	GOM_NL__2PRFIN20040507_232046_000000382026_00359_11435_2259.N1	07-MAY-2004 23:20:46	Bright	38.000	68	18Alp Cas	2.2250	4500.0	76	11435	No
122	GOM_NL__2PRFIN20040507_232410_000000862026_00359_11435_2260.N1	07-MAY-2004 23:24:10	Bright	85.500	66	37Gam Cyg	2.2080	5900.0	171	11435	No
123	GOM_NL__2PRFIN20040507_232837_000000962026_00359_11435_2261.N1	07-MAY-2004 23:28:37	Twilight_stray	96.000	92	53Eps Cyg	2.5000	4500.0	192	11435	No
124	GOM_NL__2PRFIN20040507_233408_000000512026_00359_11435_2262.N1	07-MAY-2004 23:34:08	Dark	50.500	90	54Alp Peg	2.4870	11000.	101	11435	No
125	GOM_NL__2PRFIN20040507_234137_000000452026_00359_11435_2263.N1	07-MAY-2004 23:41:37	Dark	45.000	52	16Bet Cet	2.0370	4500.0	90	11435	No
126	GOM_NL__2PRFIN20040507_234718_000000492026_00359_11435_2264.N1	07-MAY-2004 23:47:18	Dark	48.500	18	24Alp PsA	1.1660	9700.0	97	11435	No
127	GOM_NL__2PRFIN20040507_235152_000000492026_00359_11435_2265.N1	07-MAY-2004 23:51:52	Dark	48.500	63	Bet Gru	2.1500	2800.0	97	11435	No
128	GOM_NL__2PRFIN20040507_235309_000000442026_00359_11435_2266.N1	07-MAY-2004 23:53:09	Dark	43.500	31	Alp Gru	1.7340	15200.	87	11435	No
129	GOM_NL__2PRFIN20040507_235523_000000462026_00360_11436_2240.N1	07-MAY-2004 23:55:23	Dark	46.000	148	Alp Tuc	2.8780	4100.0	92	11436	No
130	GOM_NL__2PRFIN20040507_235844_000000452026_00360_11436_2241.N1	07-MAY-2004 23:58:44	Dark	44.500	45	Alp Pav	1.9400	26000.	89	11436	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.

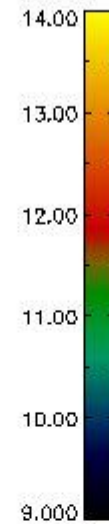
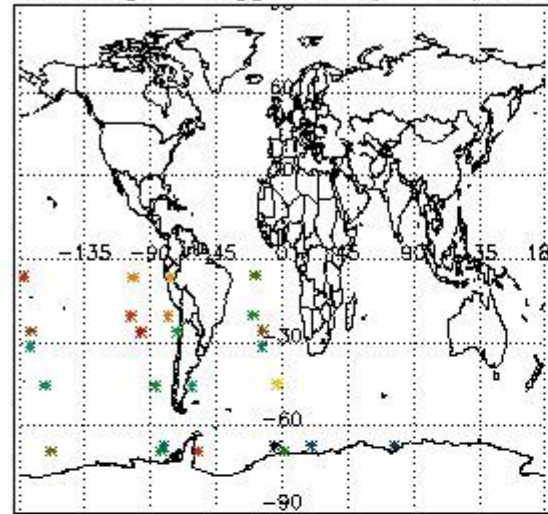
#### 3.1 Plot quality information per product (time dependant)



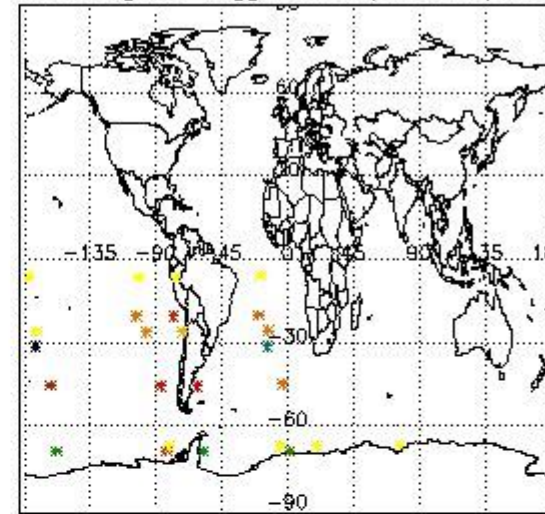


3.2 Plot quality information per product (world map)

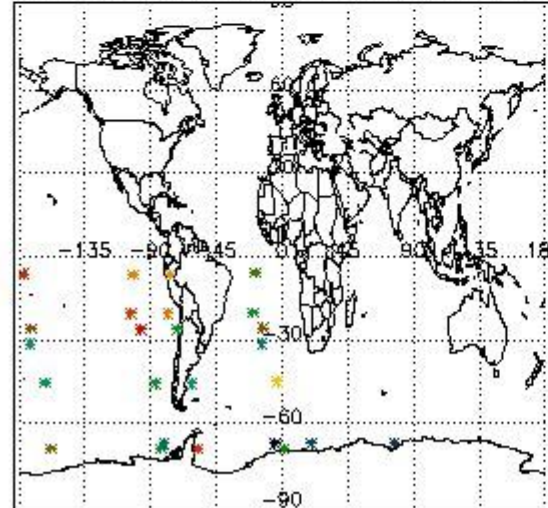
Percentage of flagged data per O3 profile



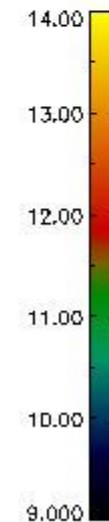
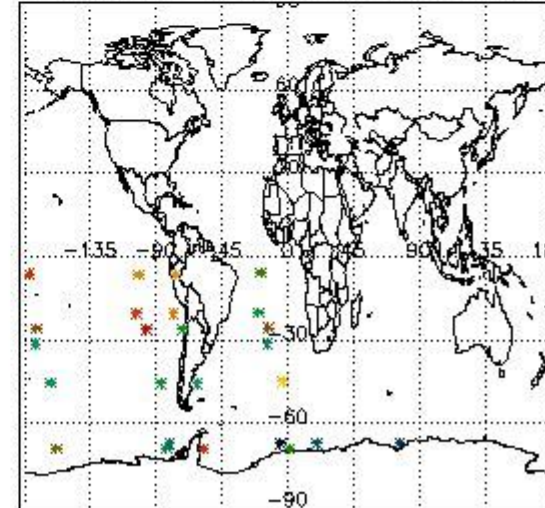
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

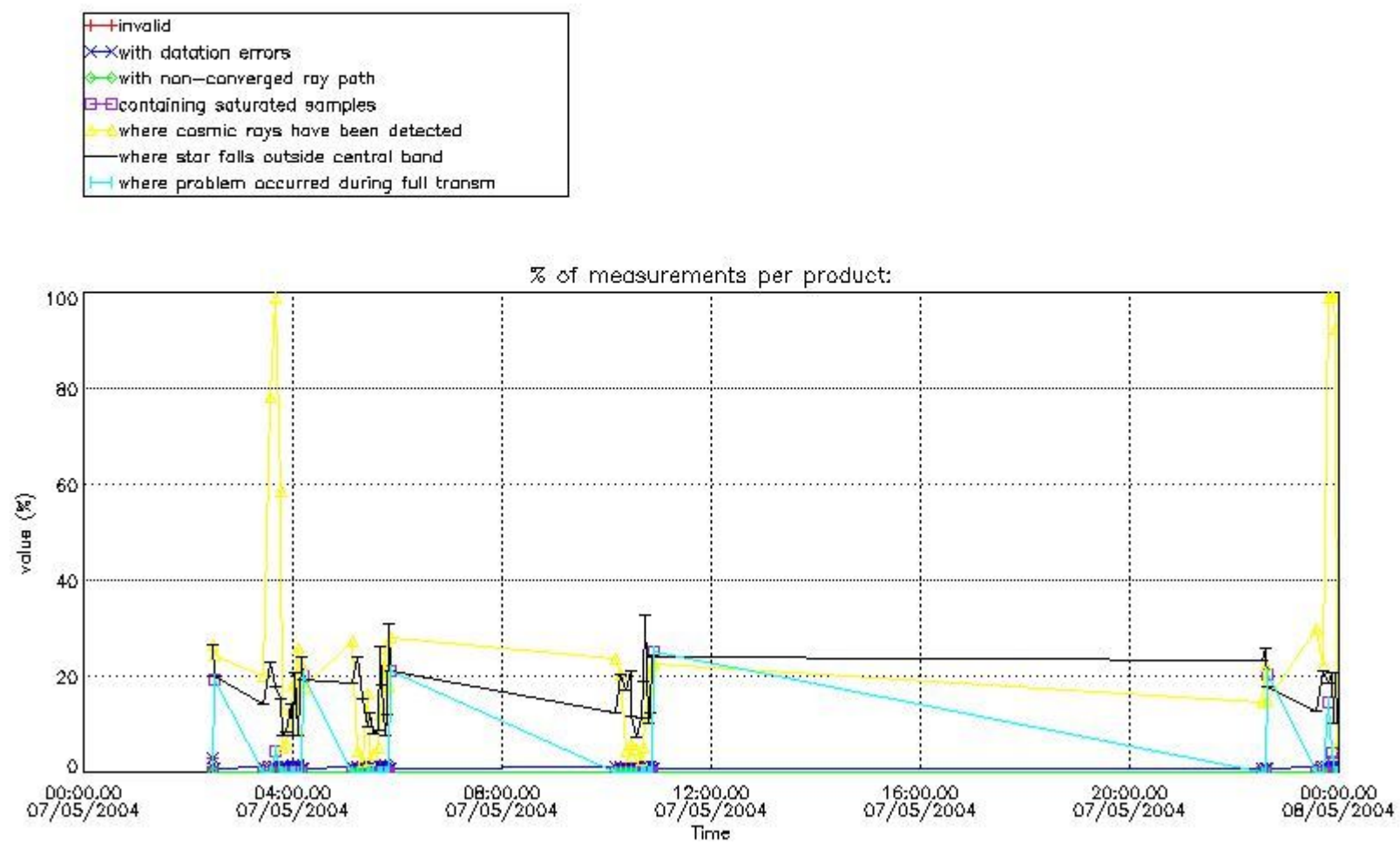


#### 4. Level 1 quality information per product

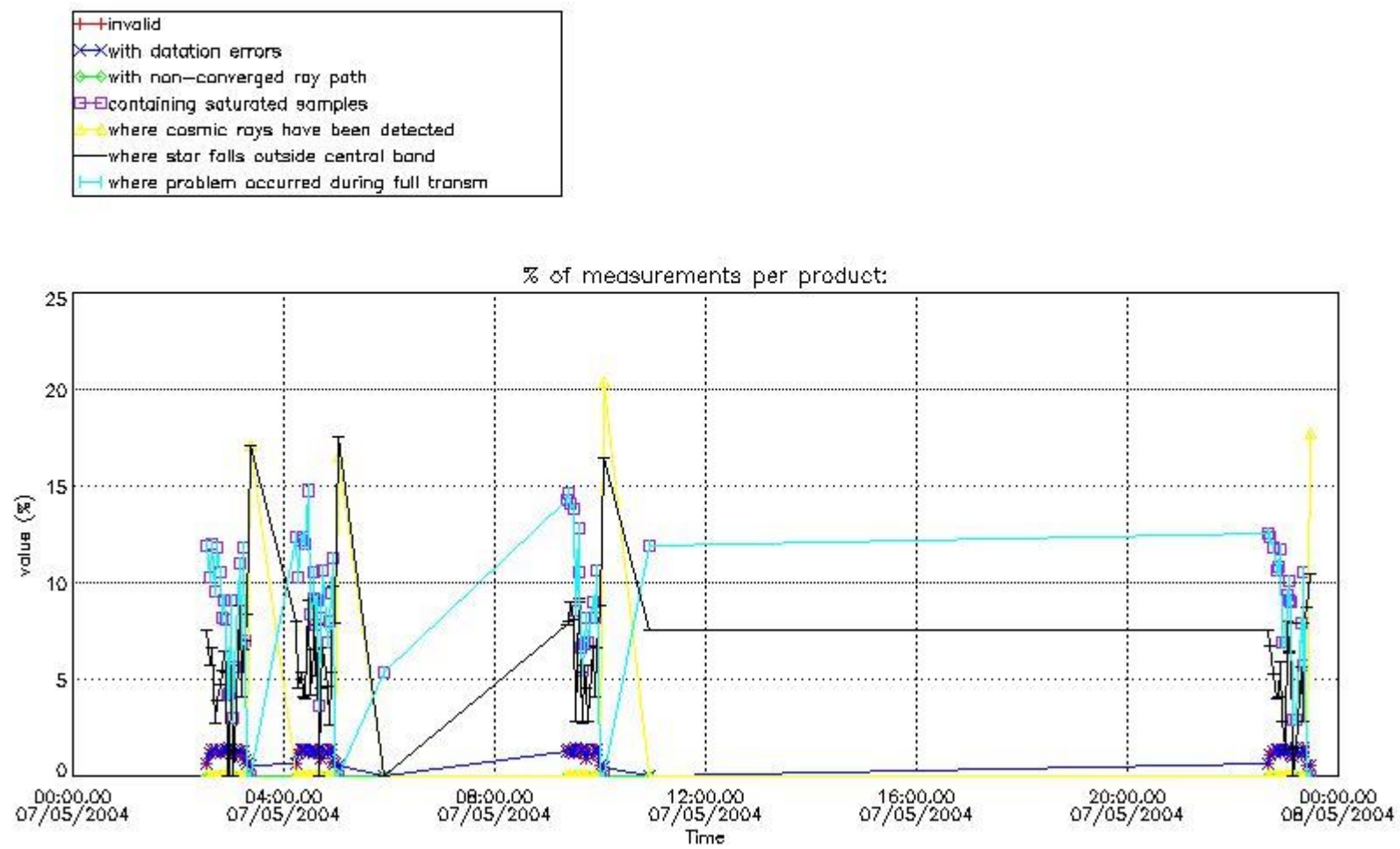
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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

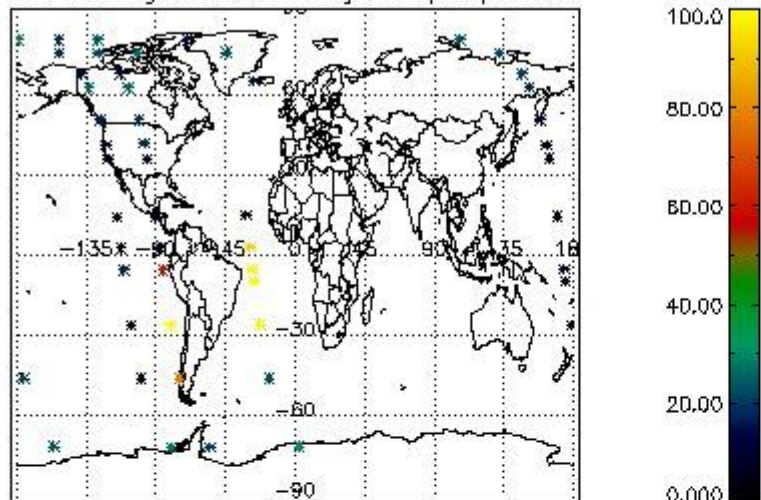


*4.2 Plot quality information per product coming from level 1b processing (world map)*

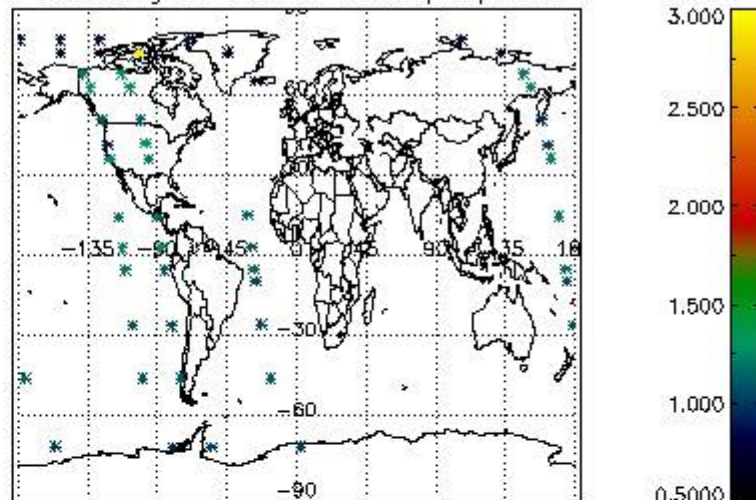
*4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes*



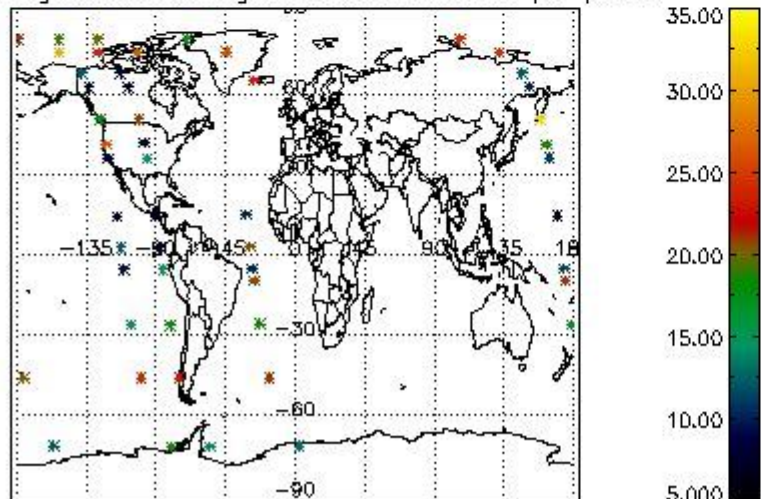
Percentage of cosmic ray hits per profile



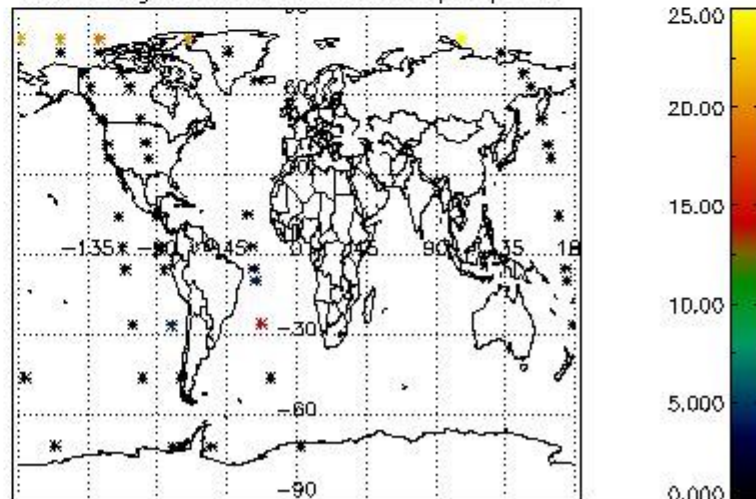
Percentage of datation errors per profile



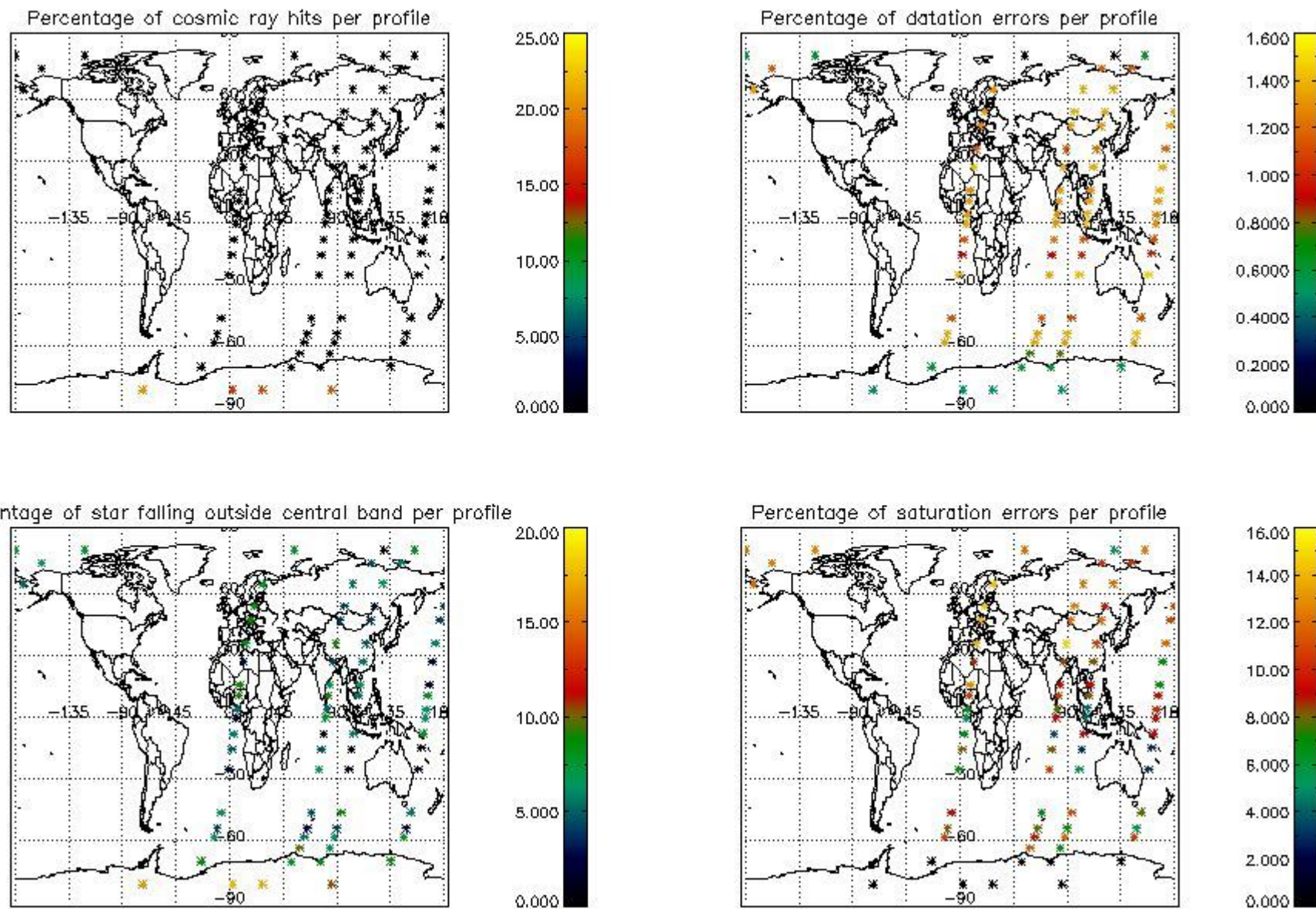
Percentage of star falling outside central band per profile



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.

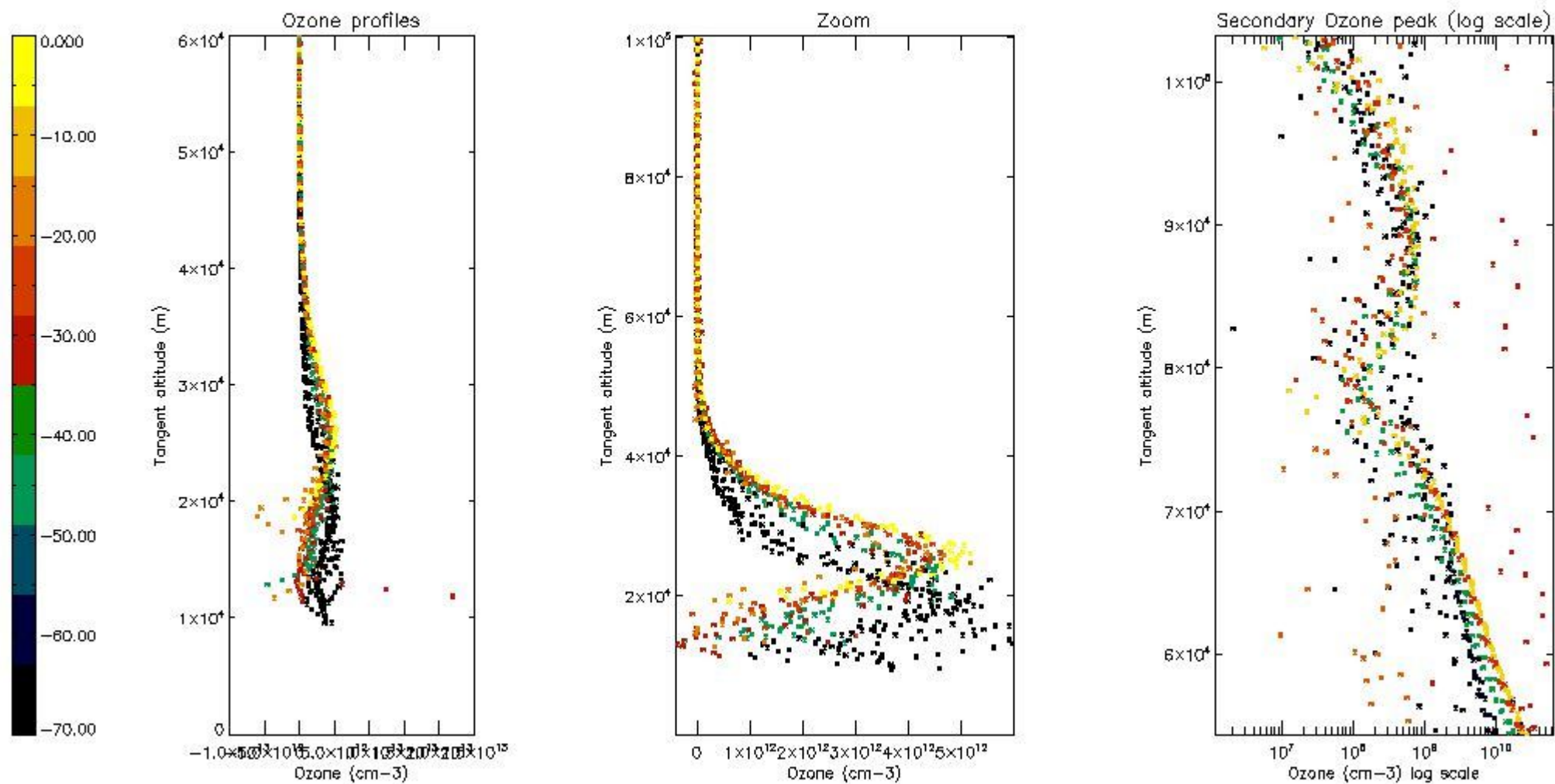
Criteria	% of total production
All STD	18
STD < 20	10



STD < 10	8
STD < 5	6

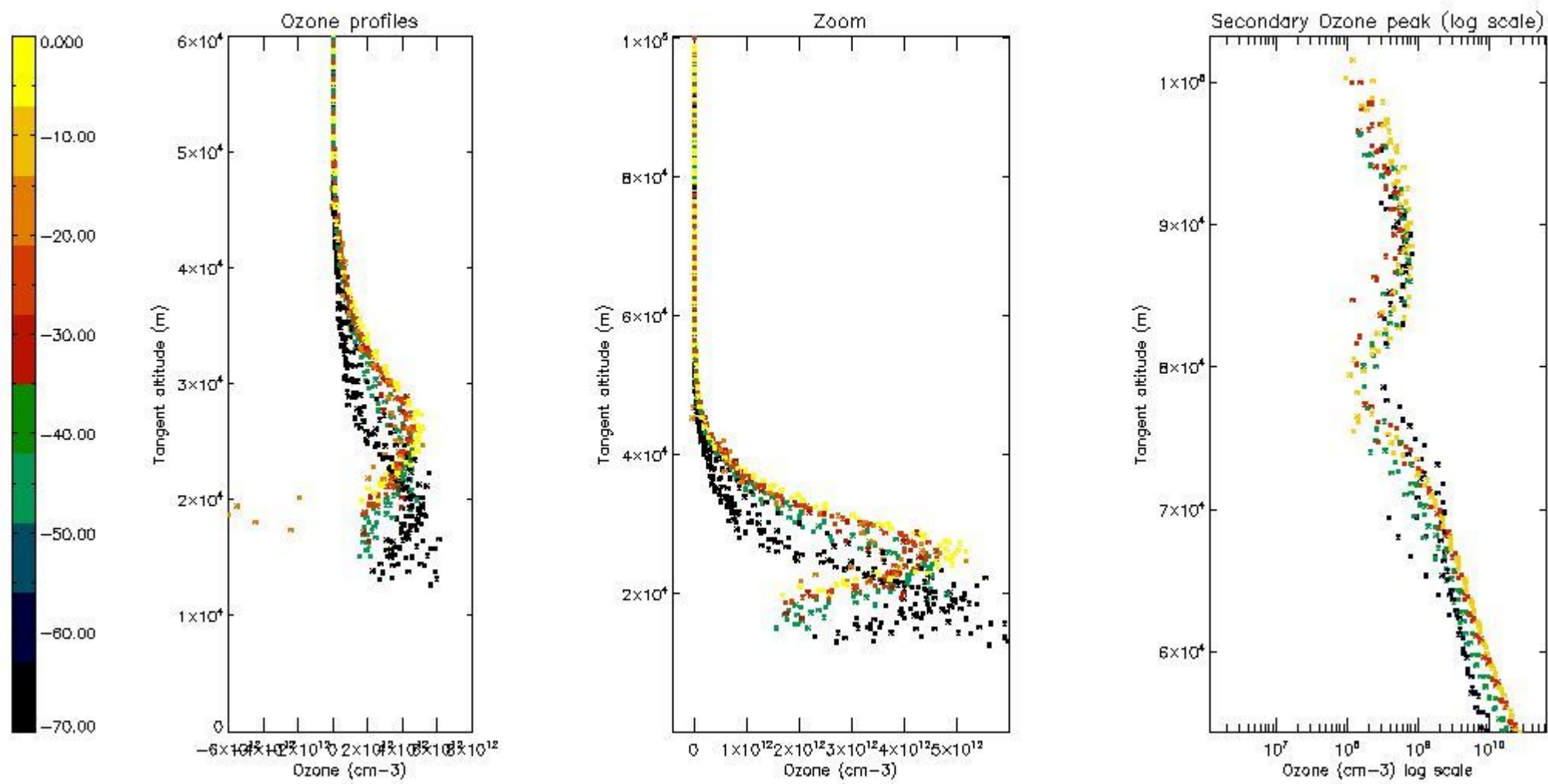
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

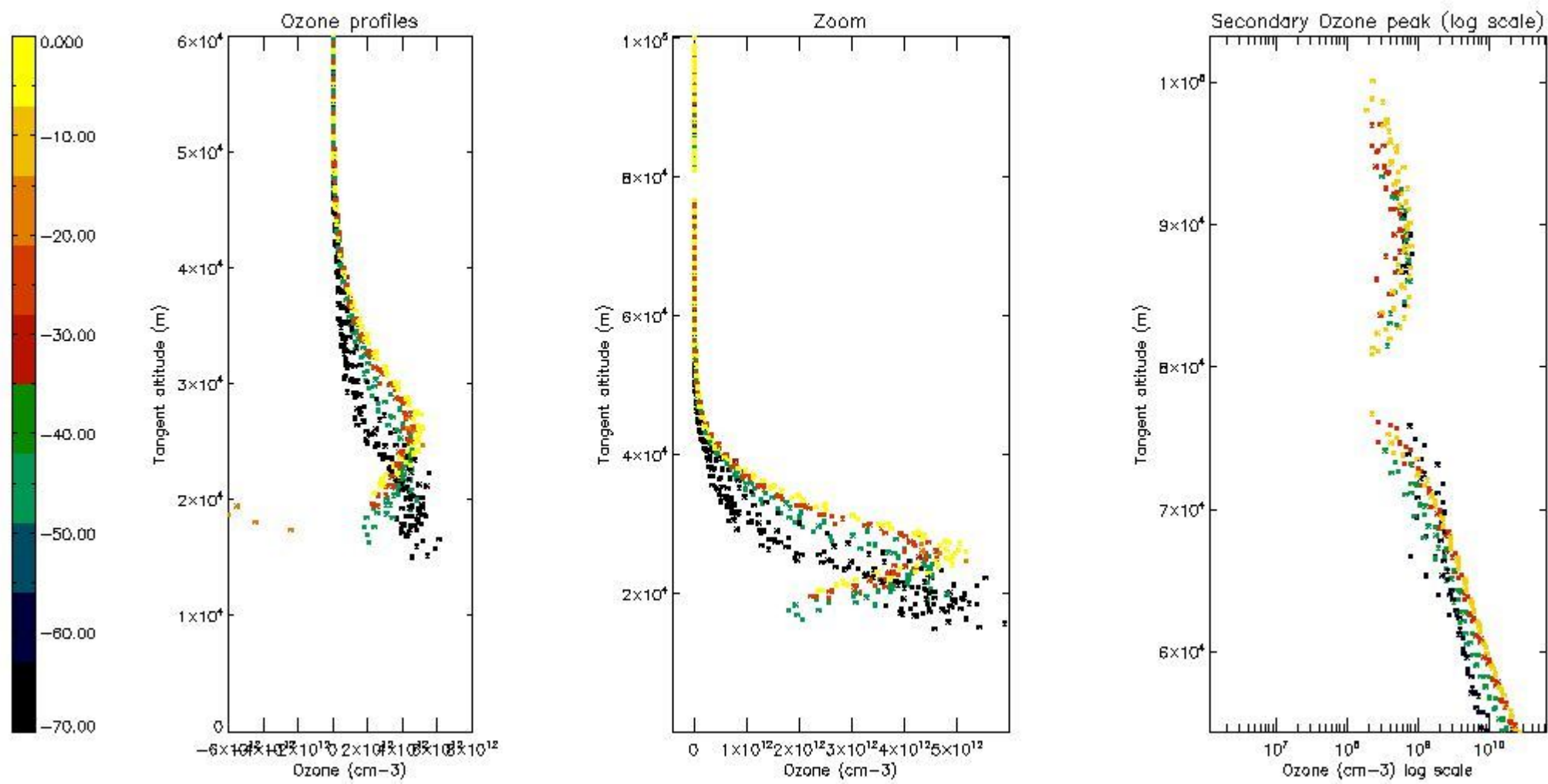
The colorbar represents the latitude.



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

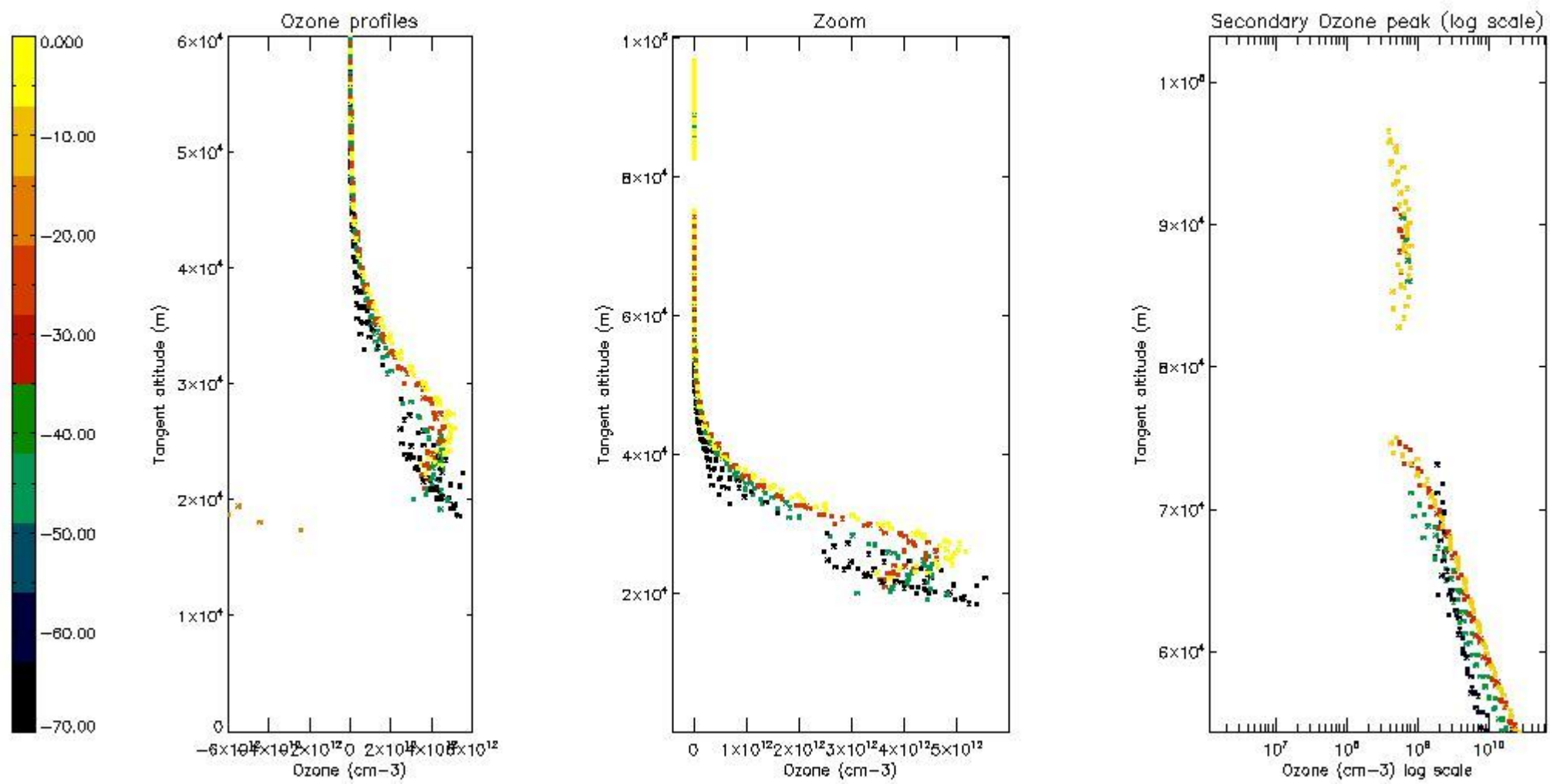
The colorbar represents the latitude.





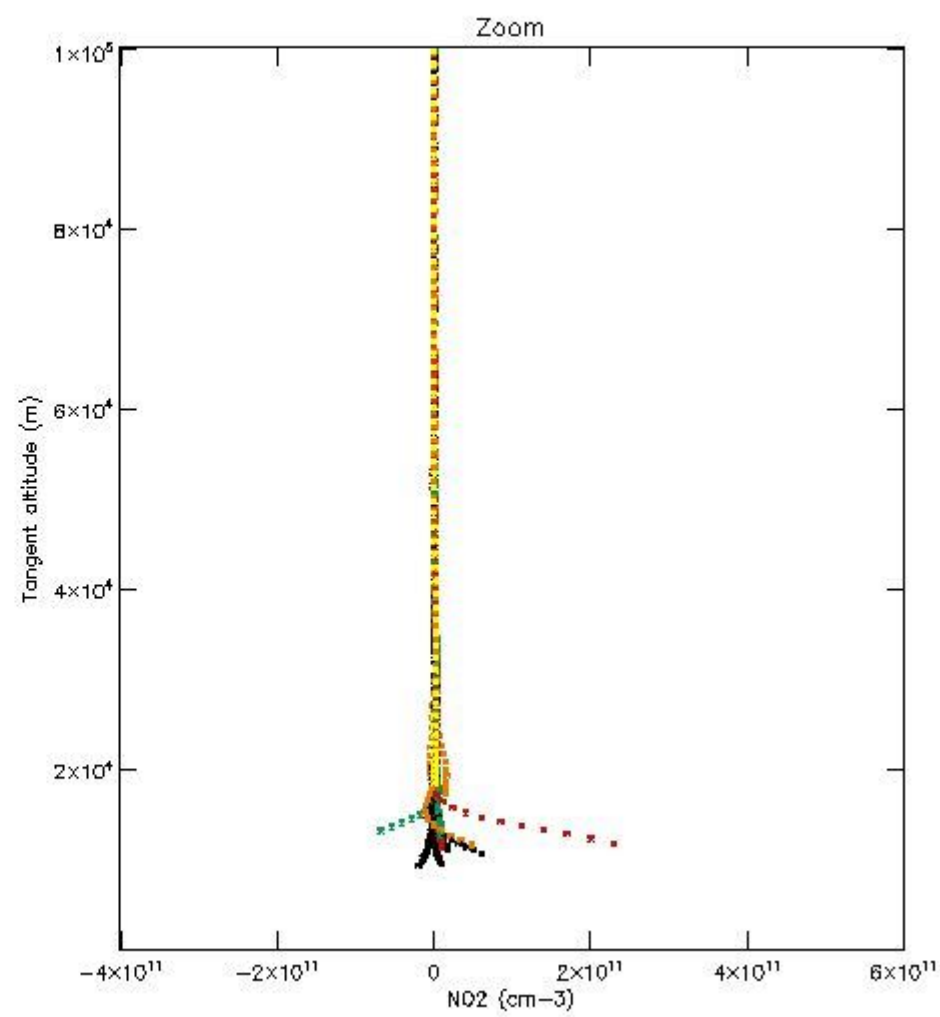
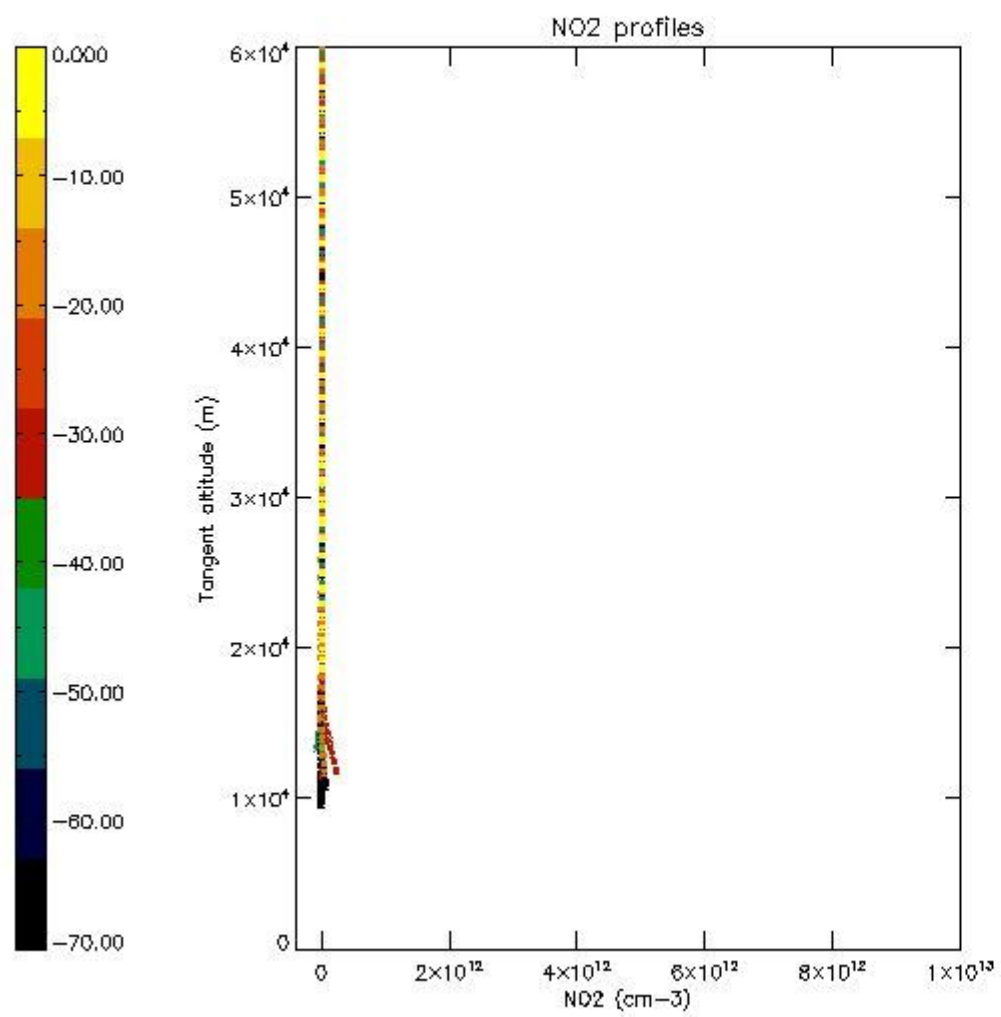
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



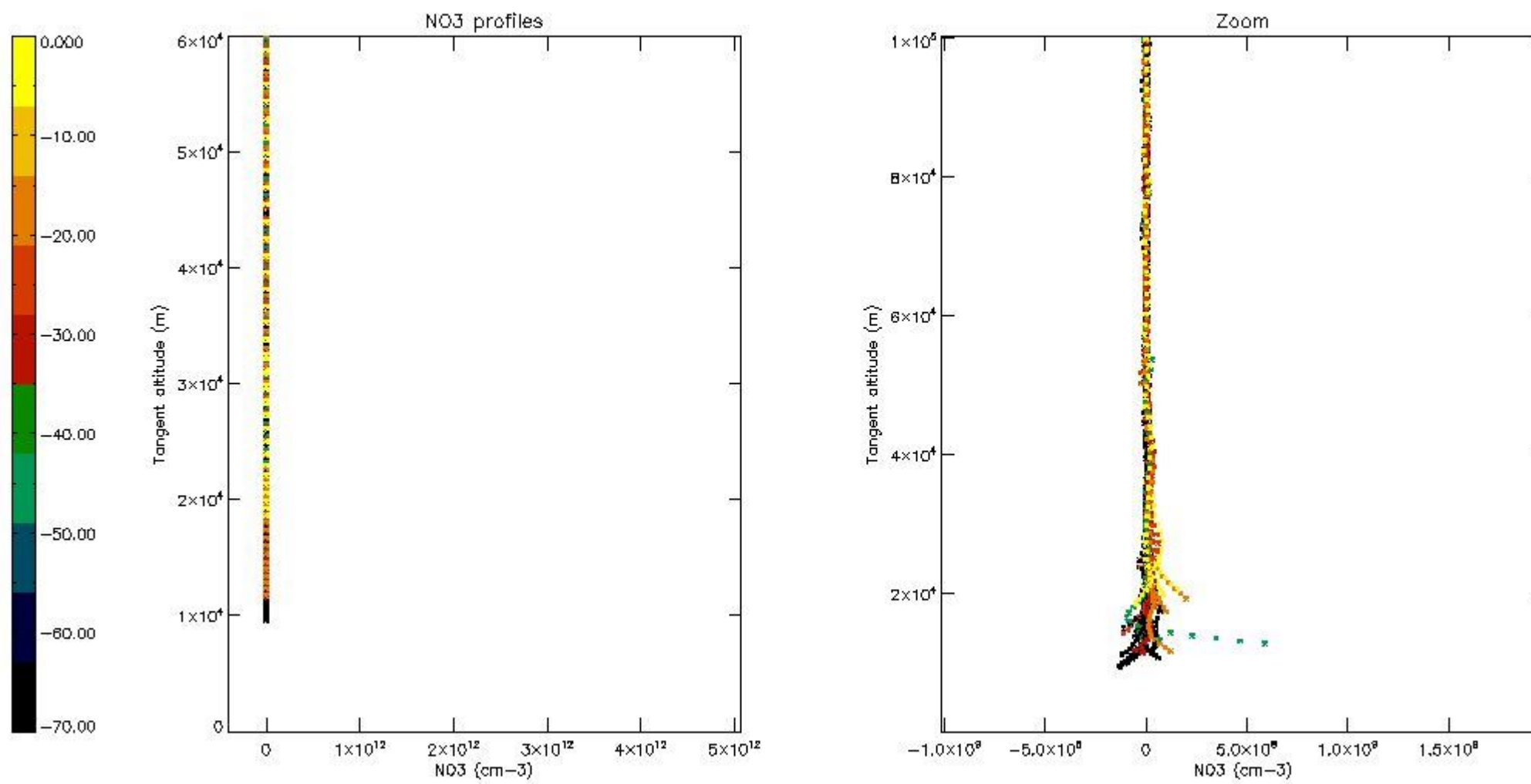
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

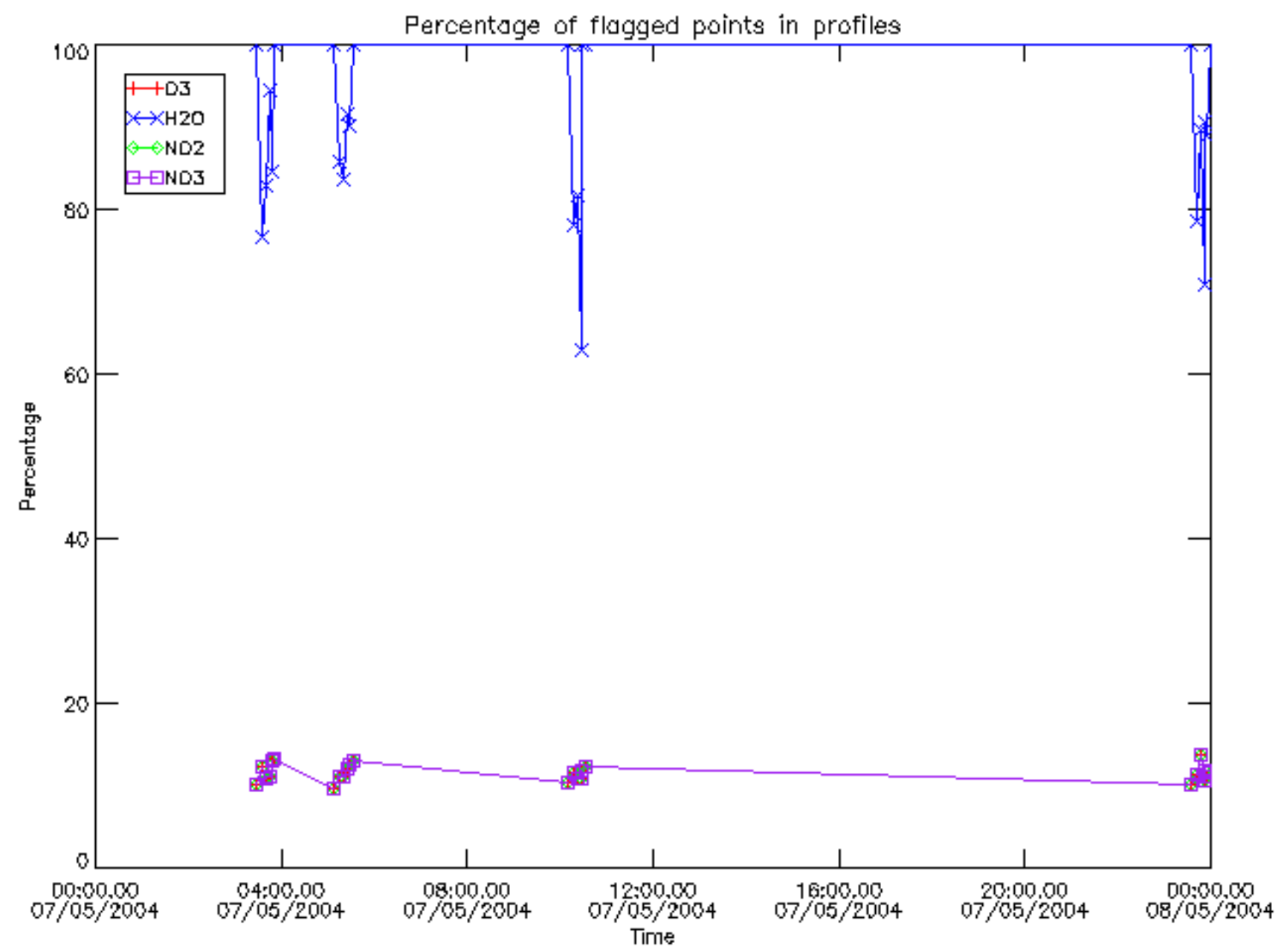
The colorbar represents the latitude.



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

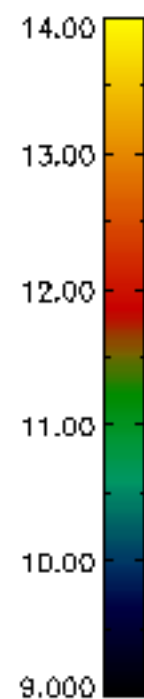
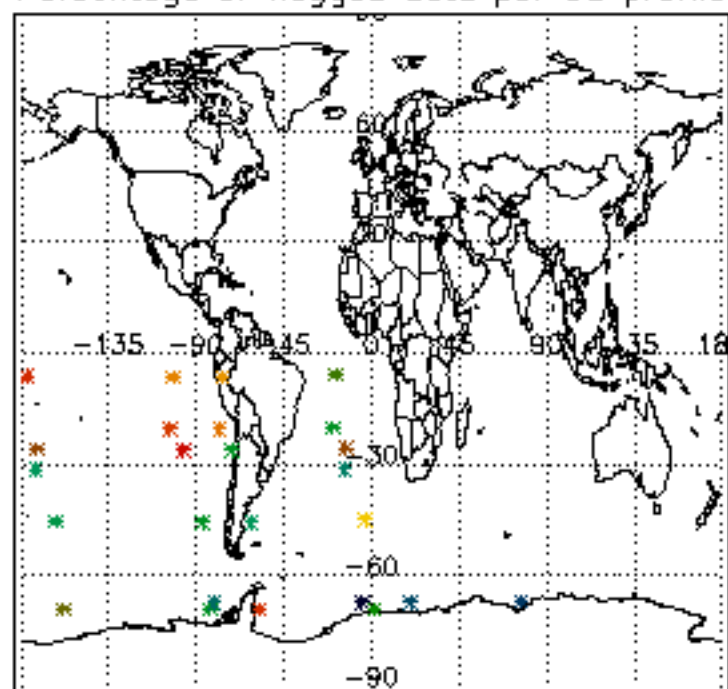
The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	07-MAY-2004 02:28:32
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	07-MAY-2004 02:28:32
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	07-MAY-2004 02:28:32

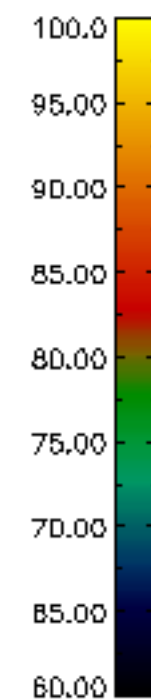
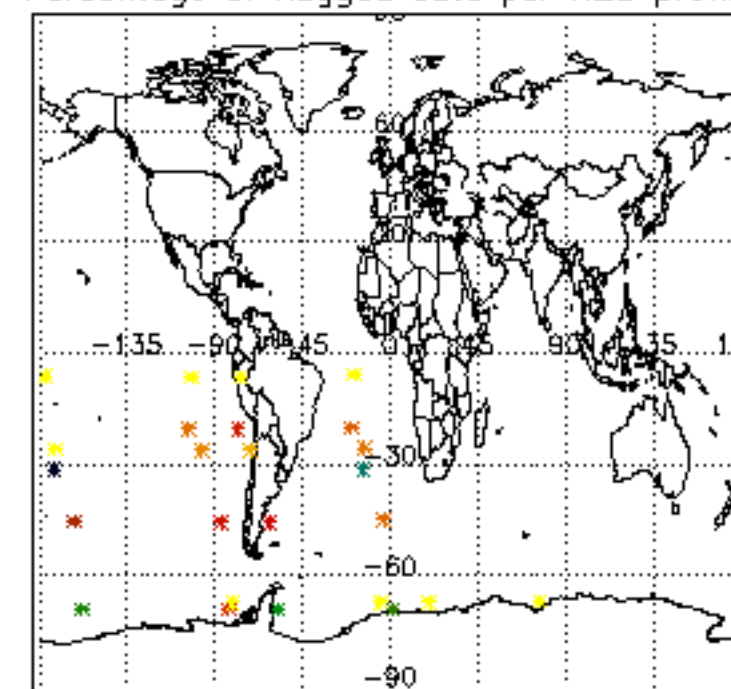




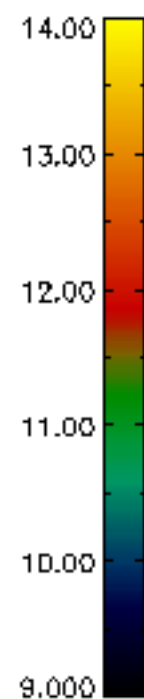
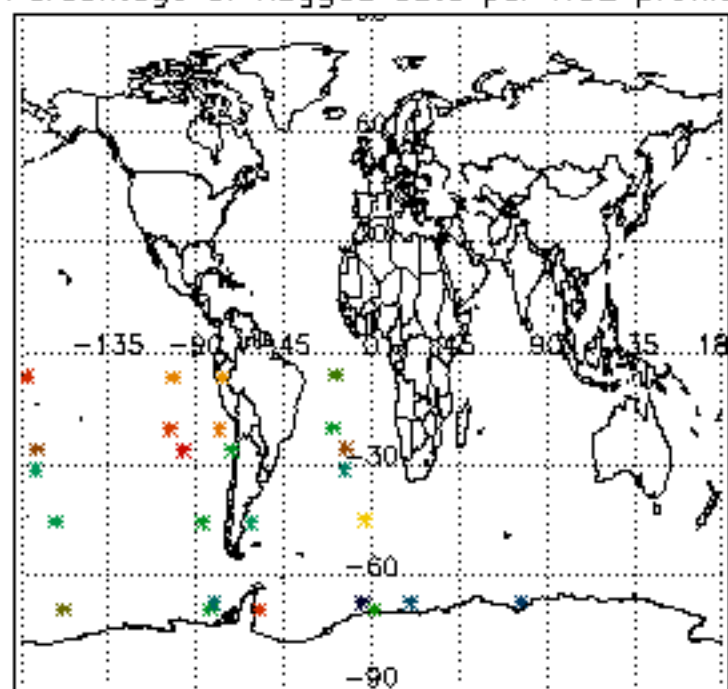
Percentage of flagged data per D3 profile



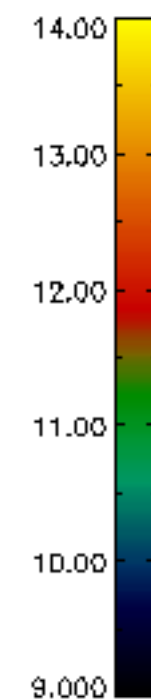
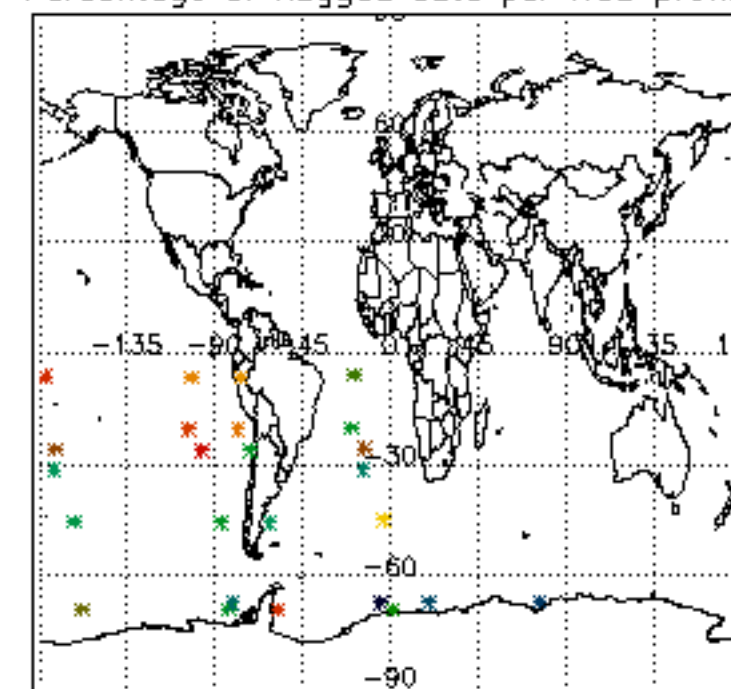
Percentage of flagged data per H2O profile

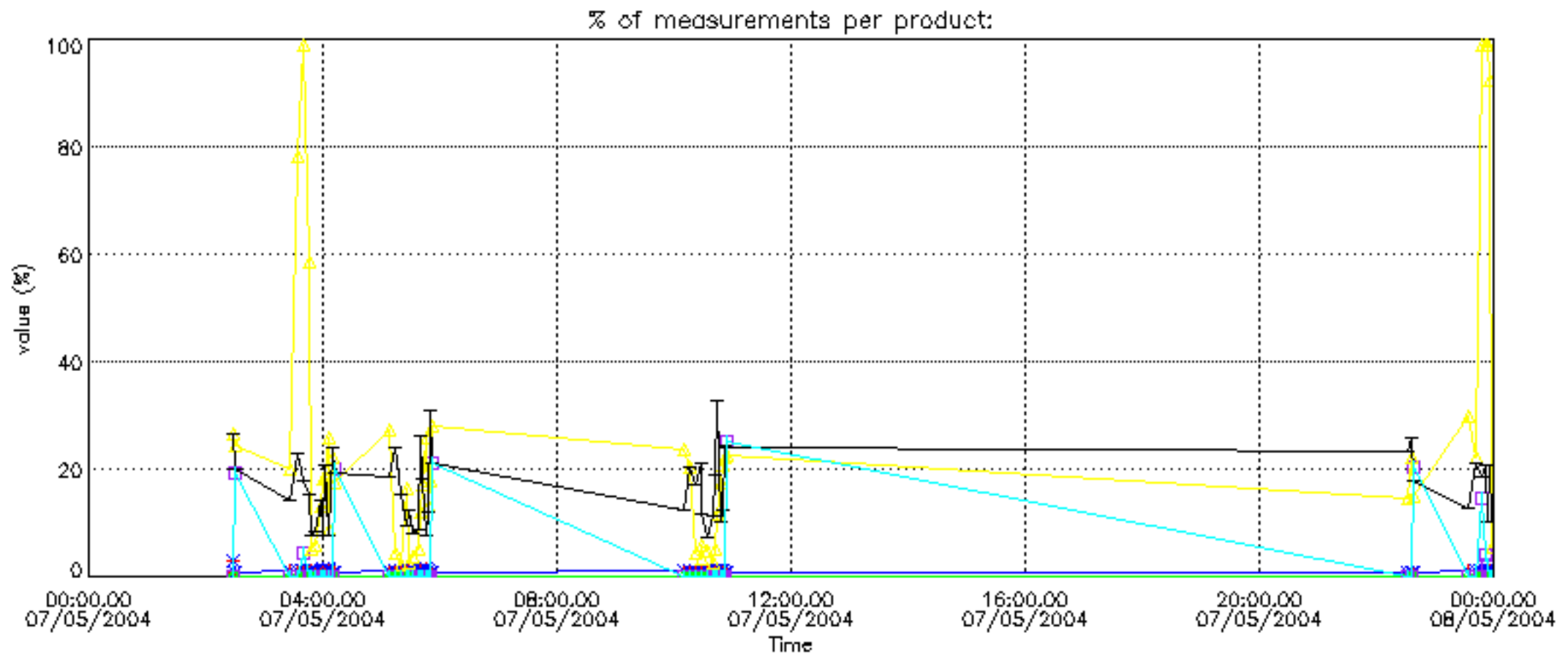
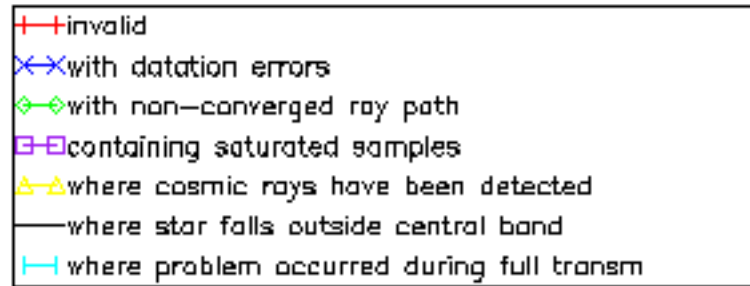


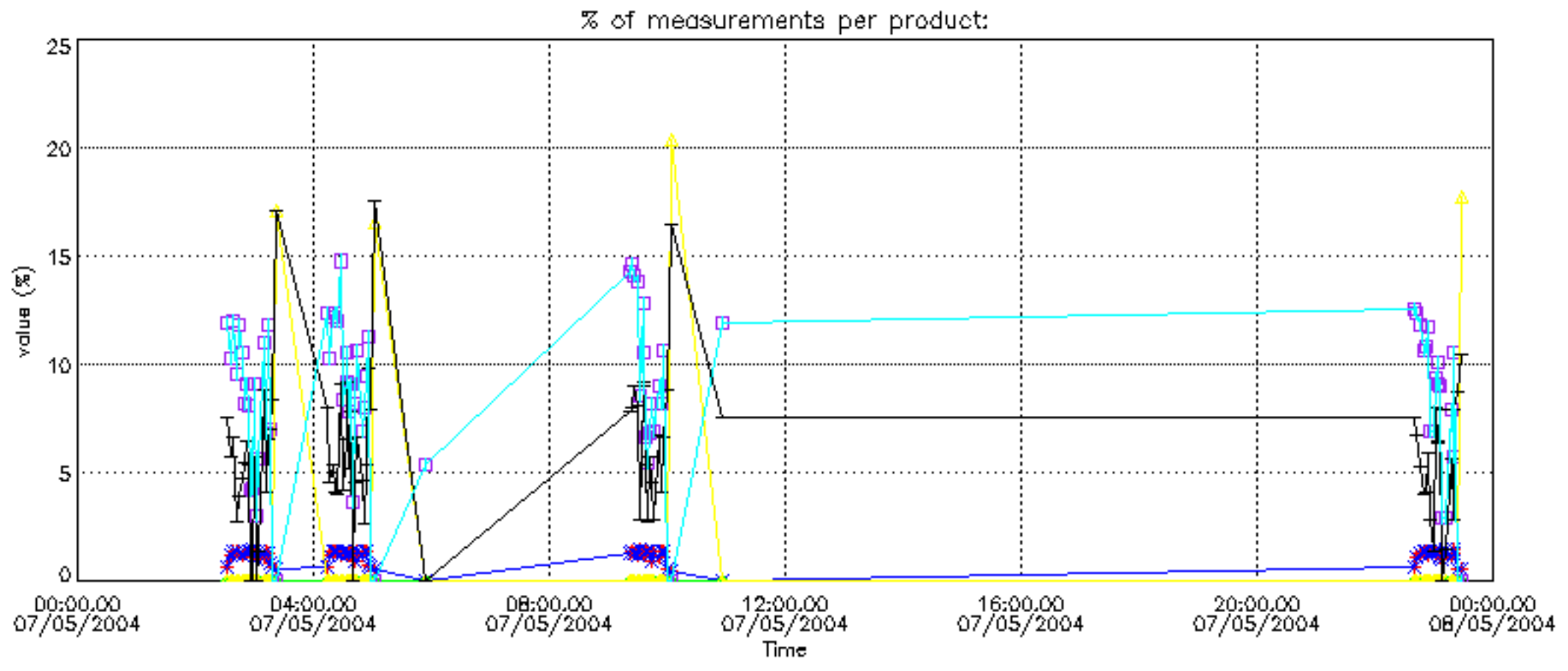
Percentage of flagged data per NO2 profile



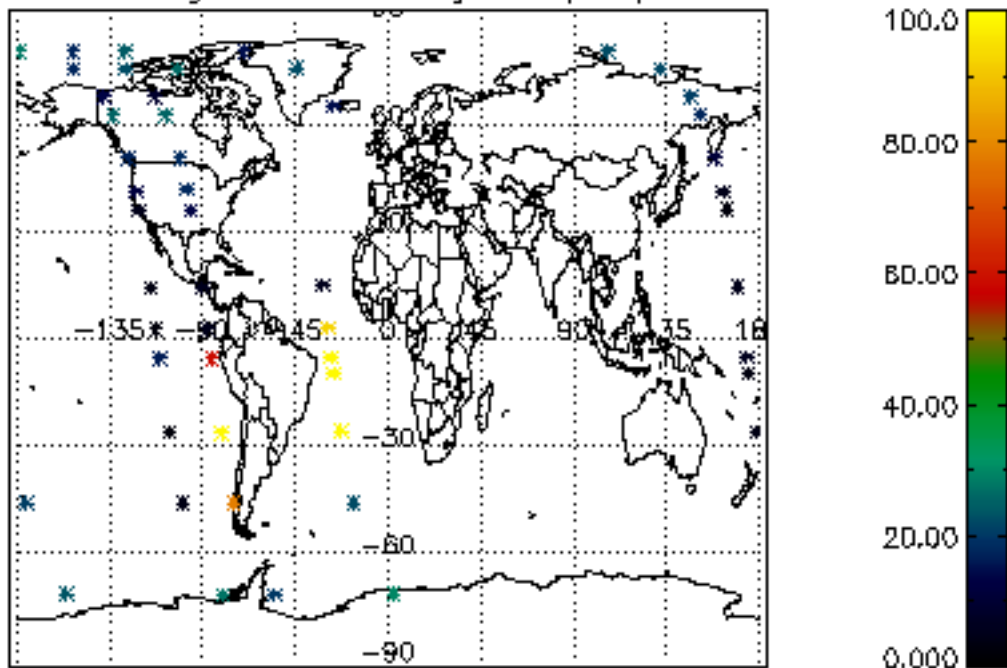
Percentage of flagged data per NO3 profile



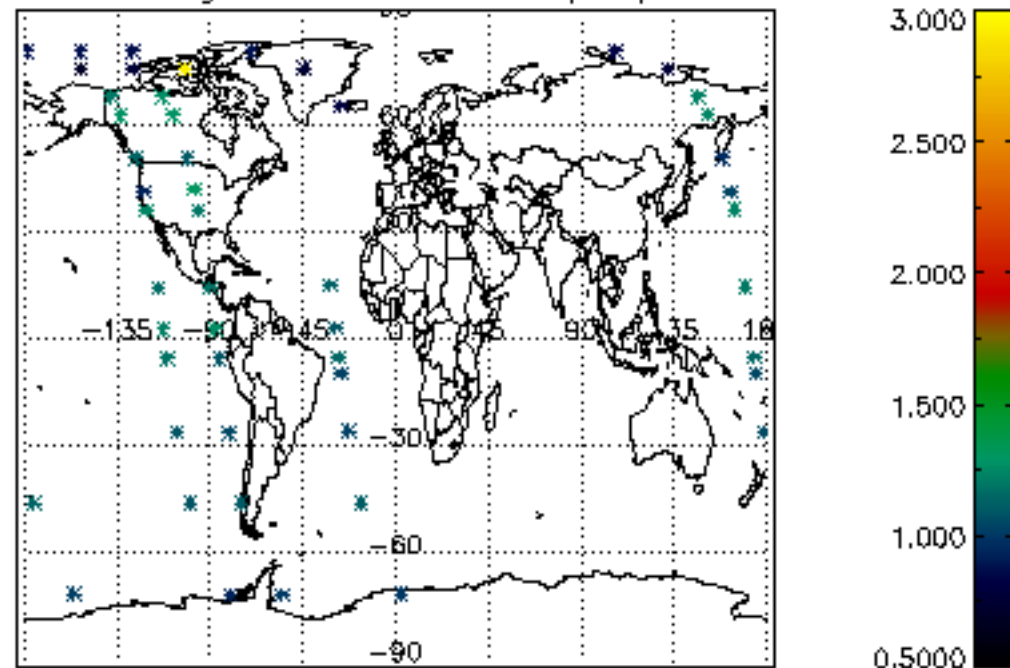




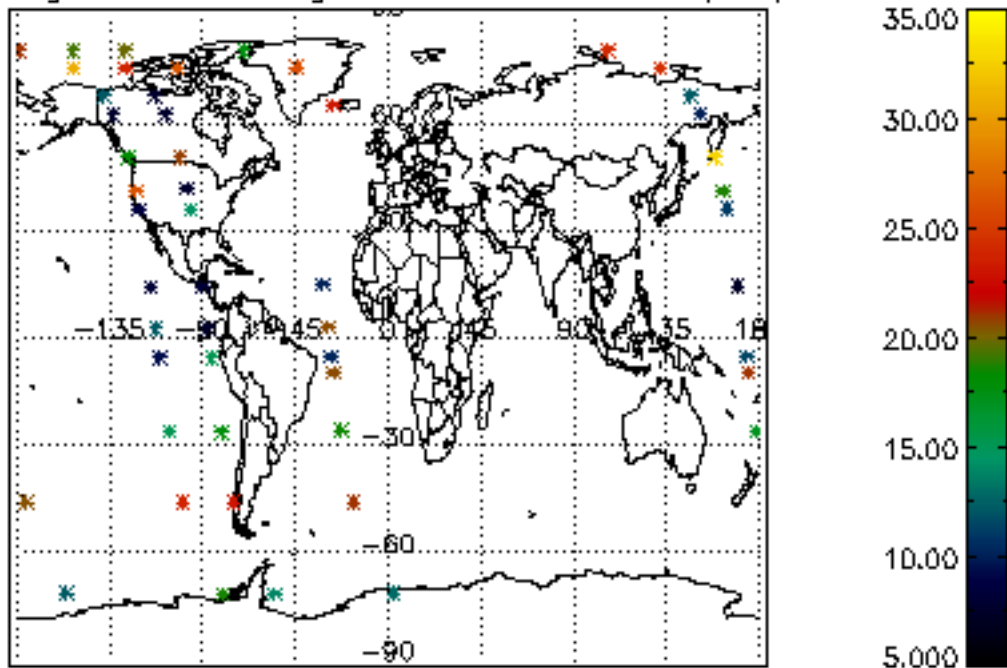
Percentage of cosmic ray hits per profile



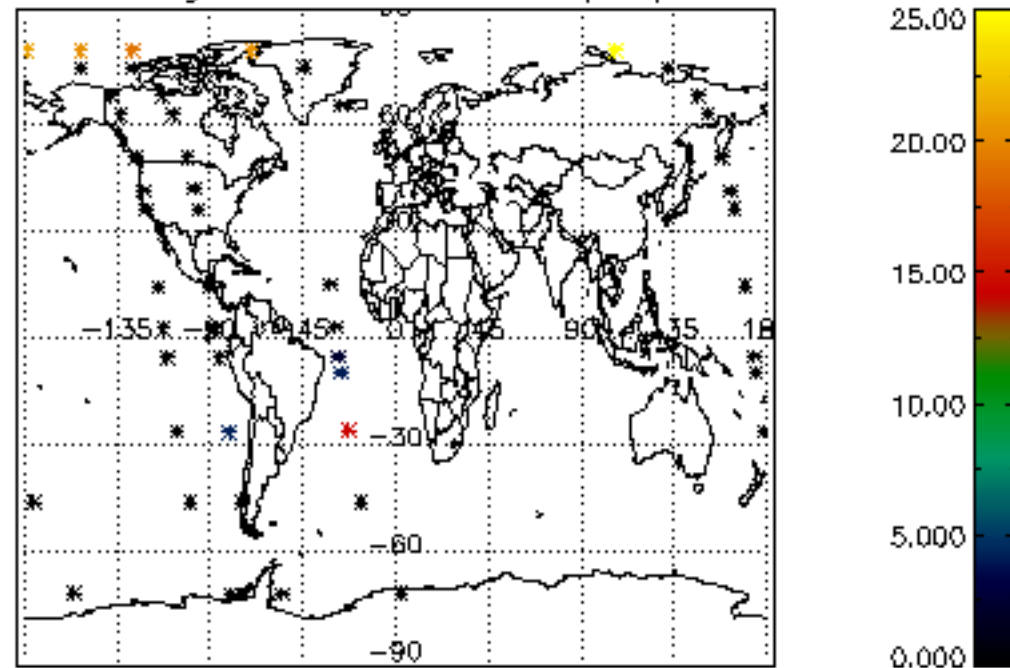
Percentage of datation errors per profile



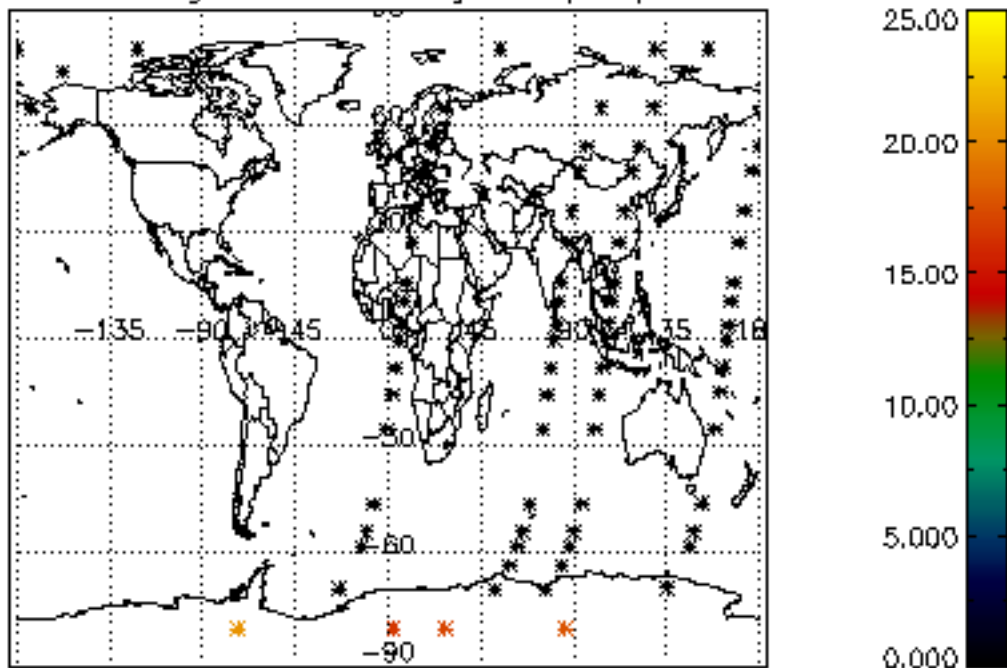
Percentage of star falling outside central band per profile



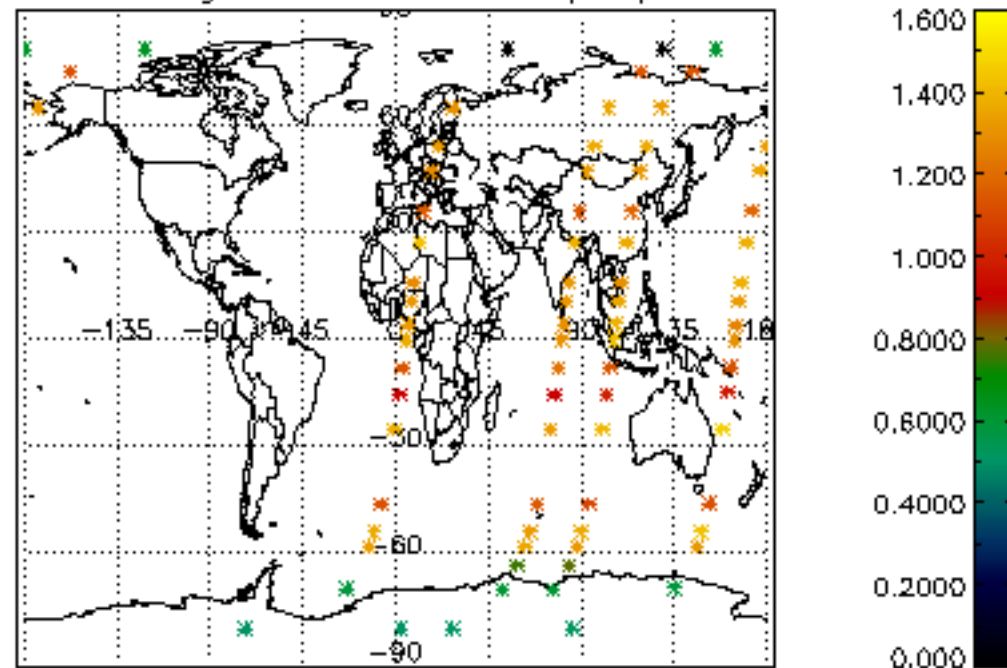
Percentage of saturation errors per profile



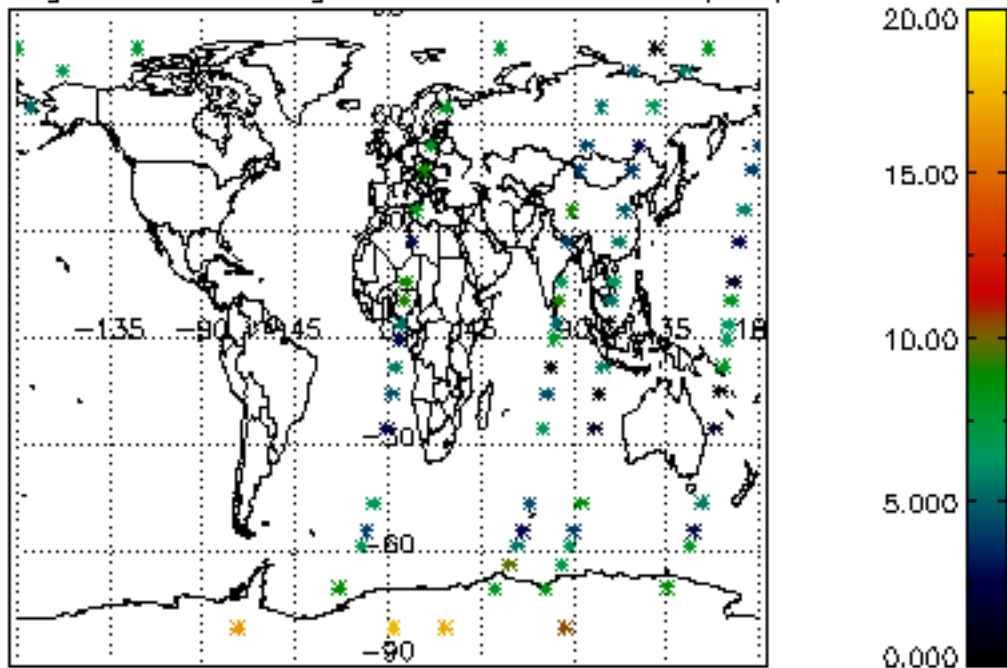
Percentage of cosmic ray hits per profile



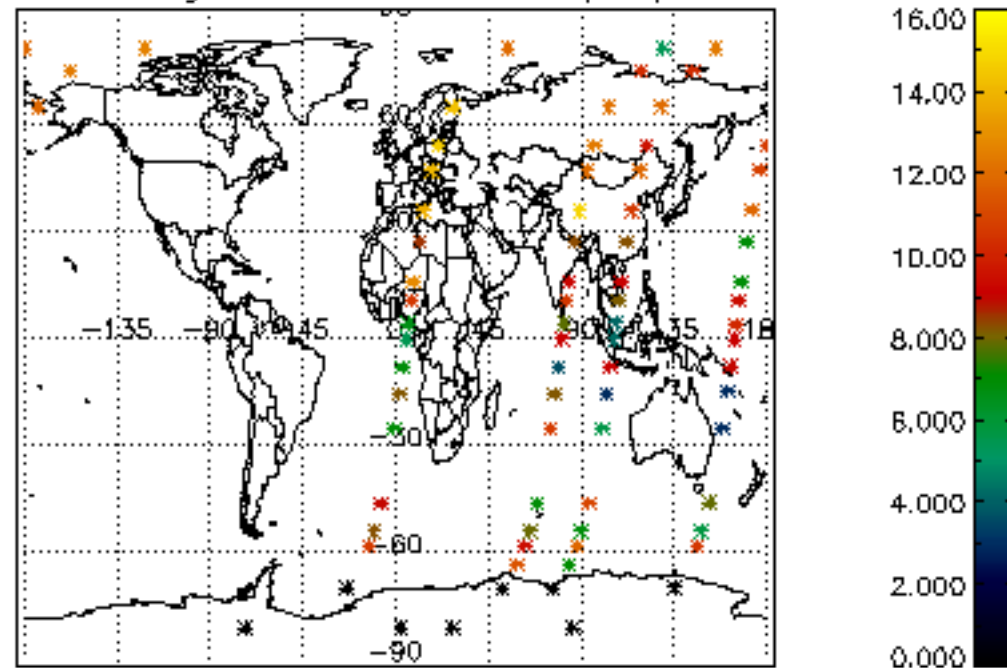
Percentage of datation errors per profile



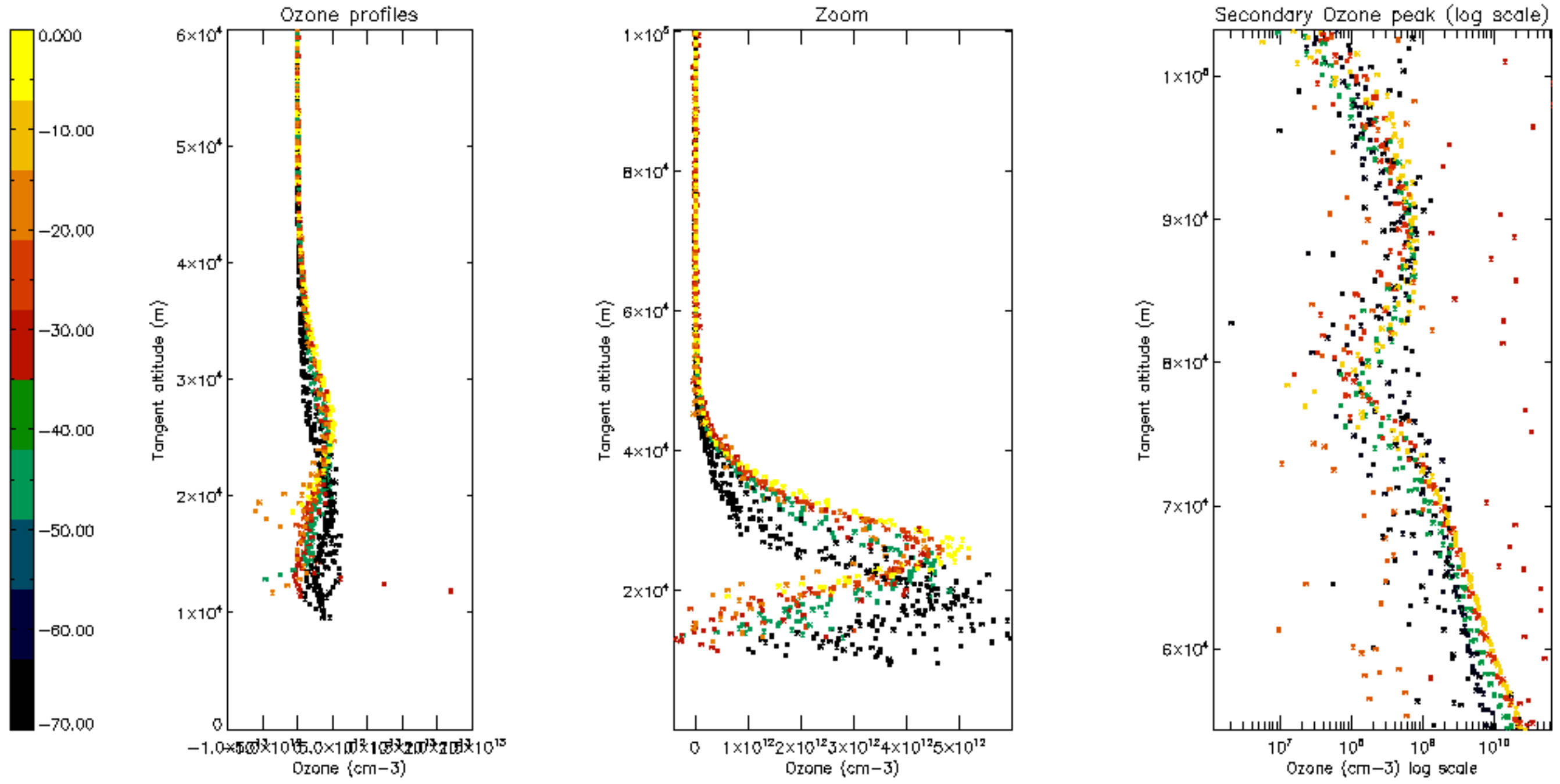
Percentage of star falling outside central band per profile

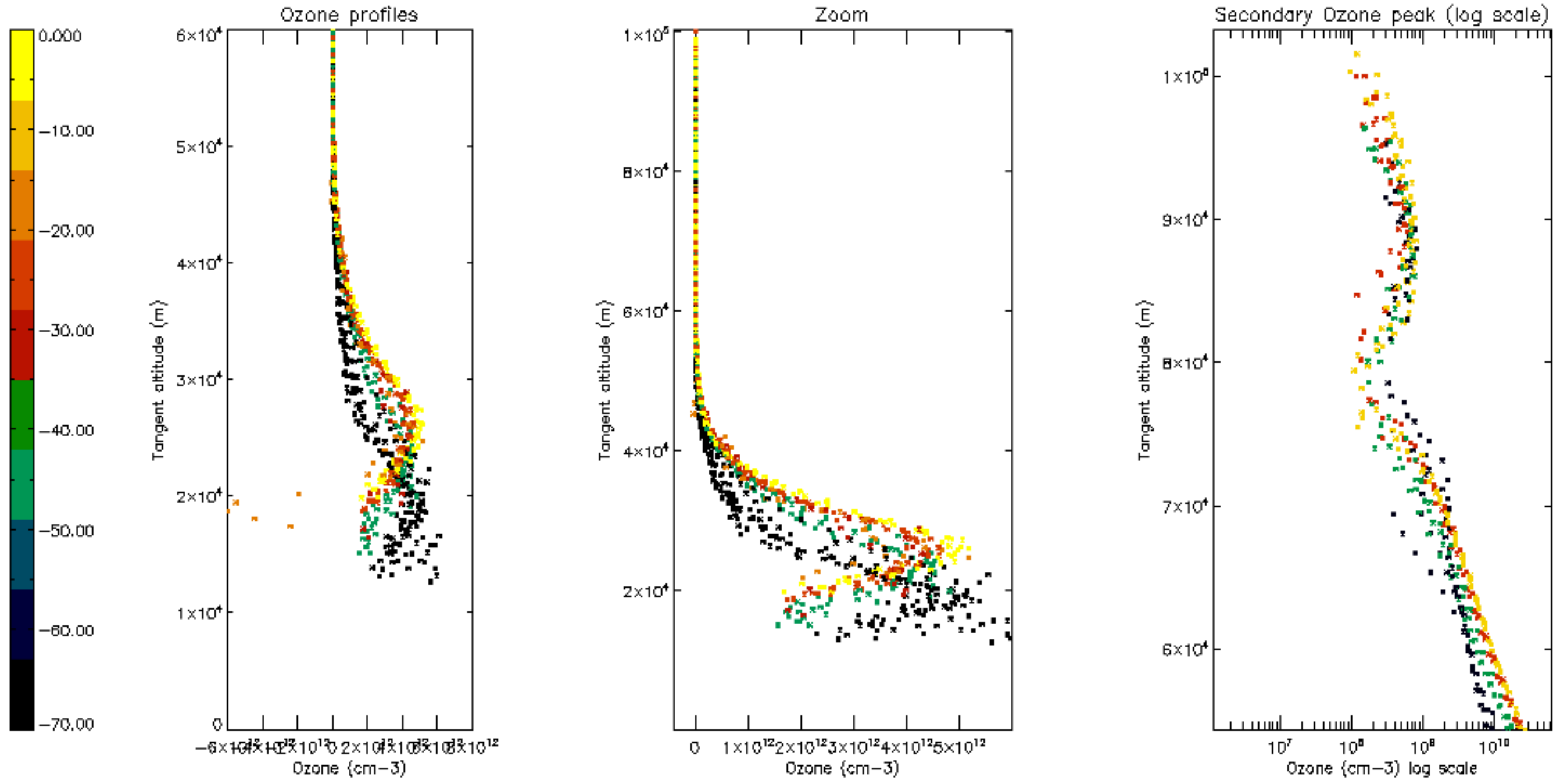


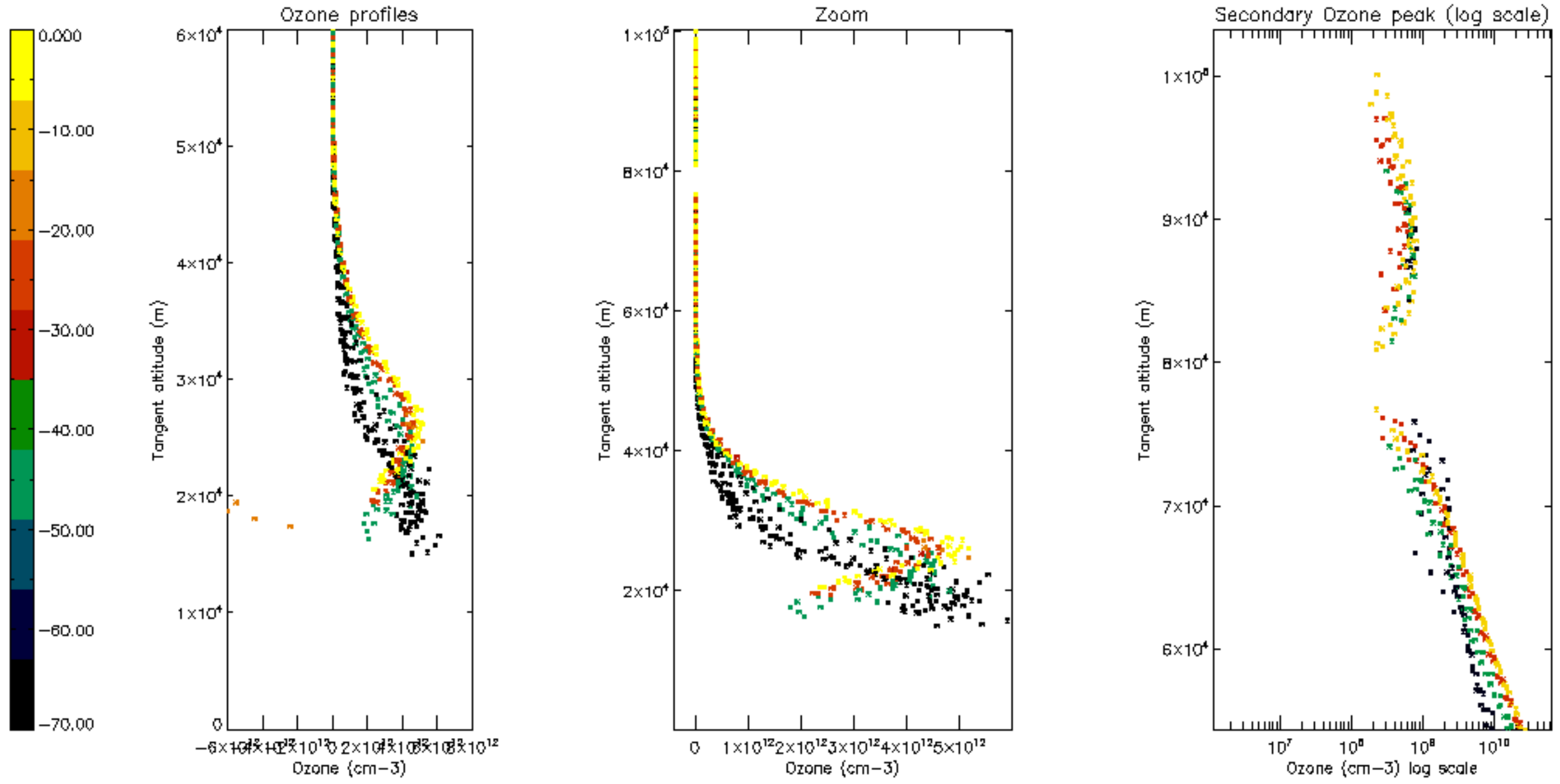
Percentage of saturation errors per profile

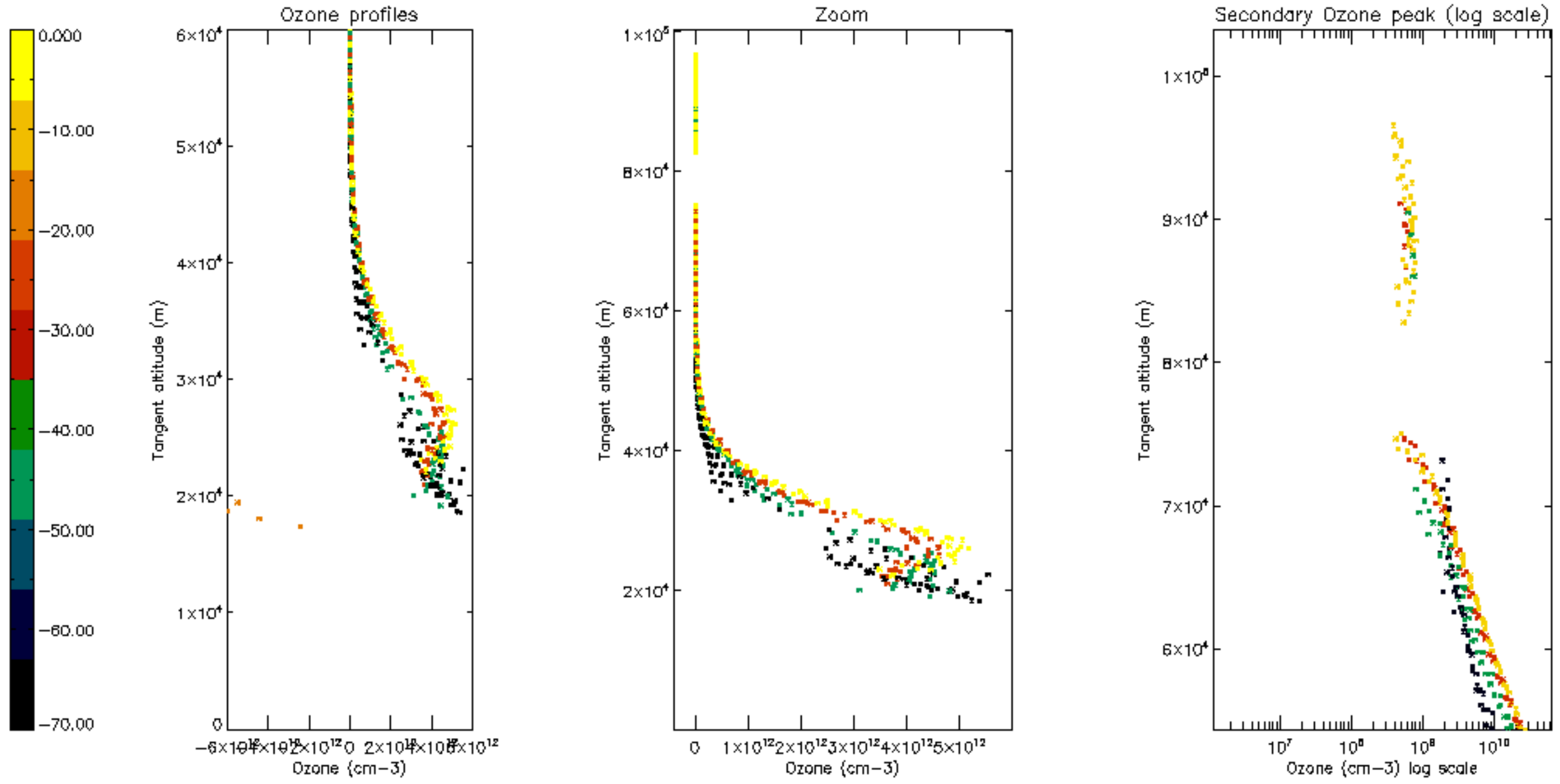




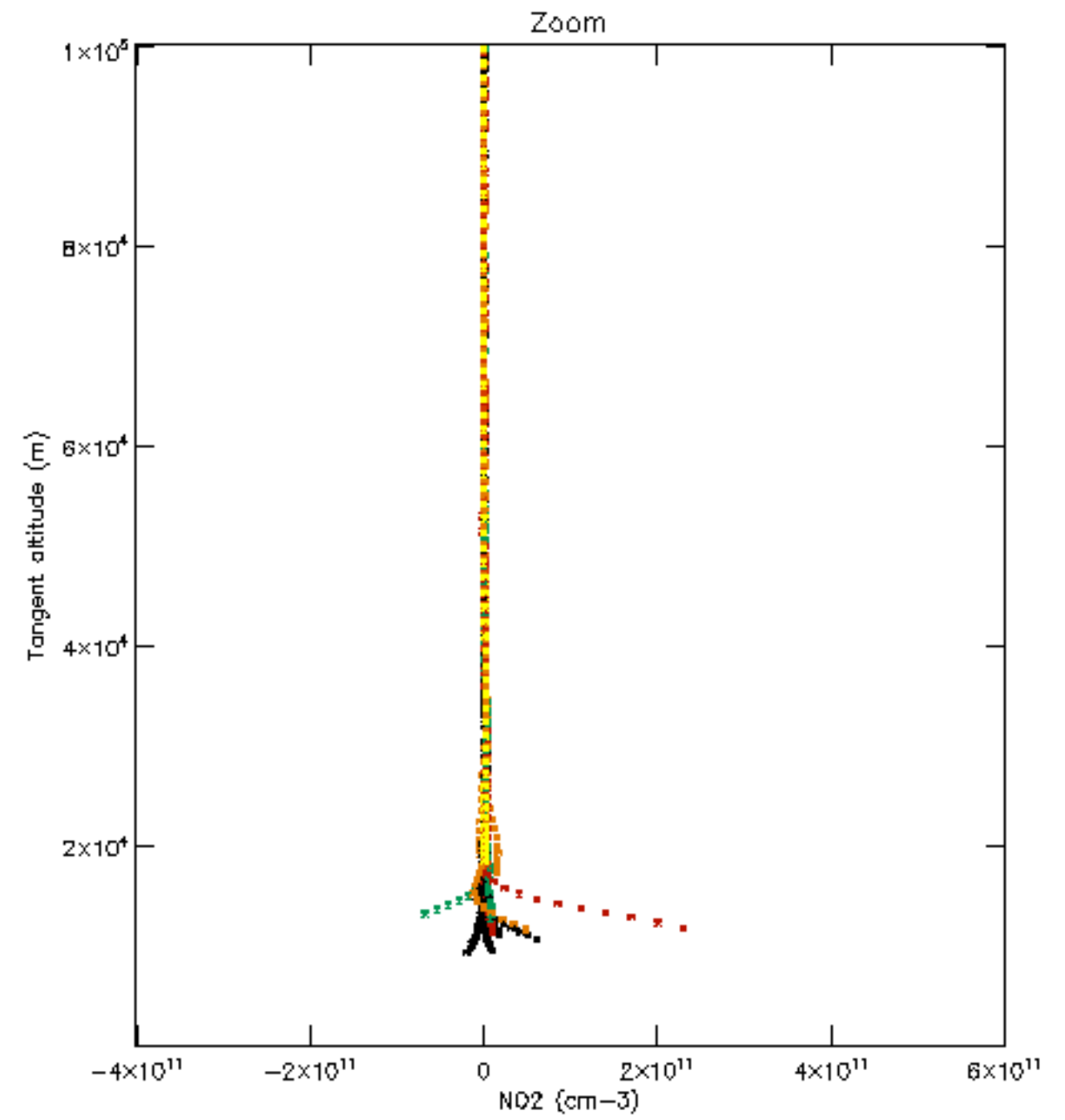
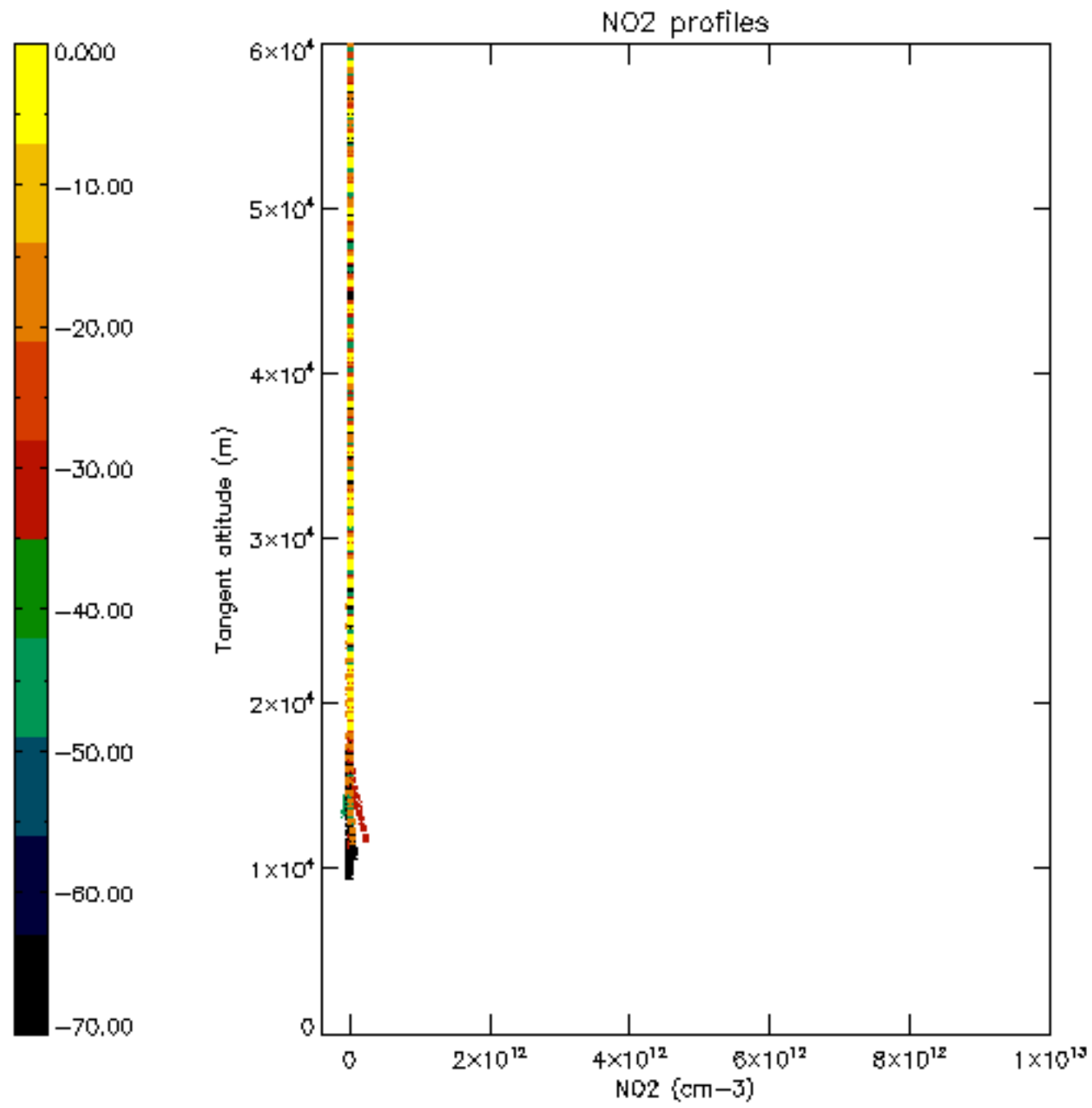


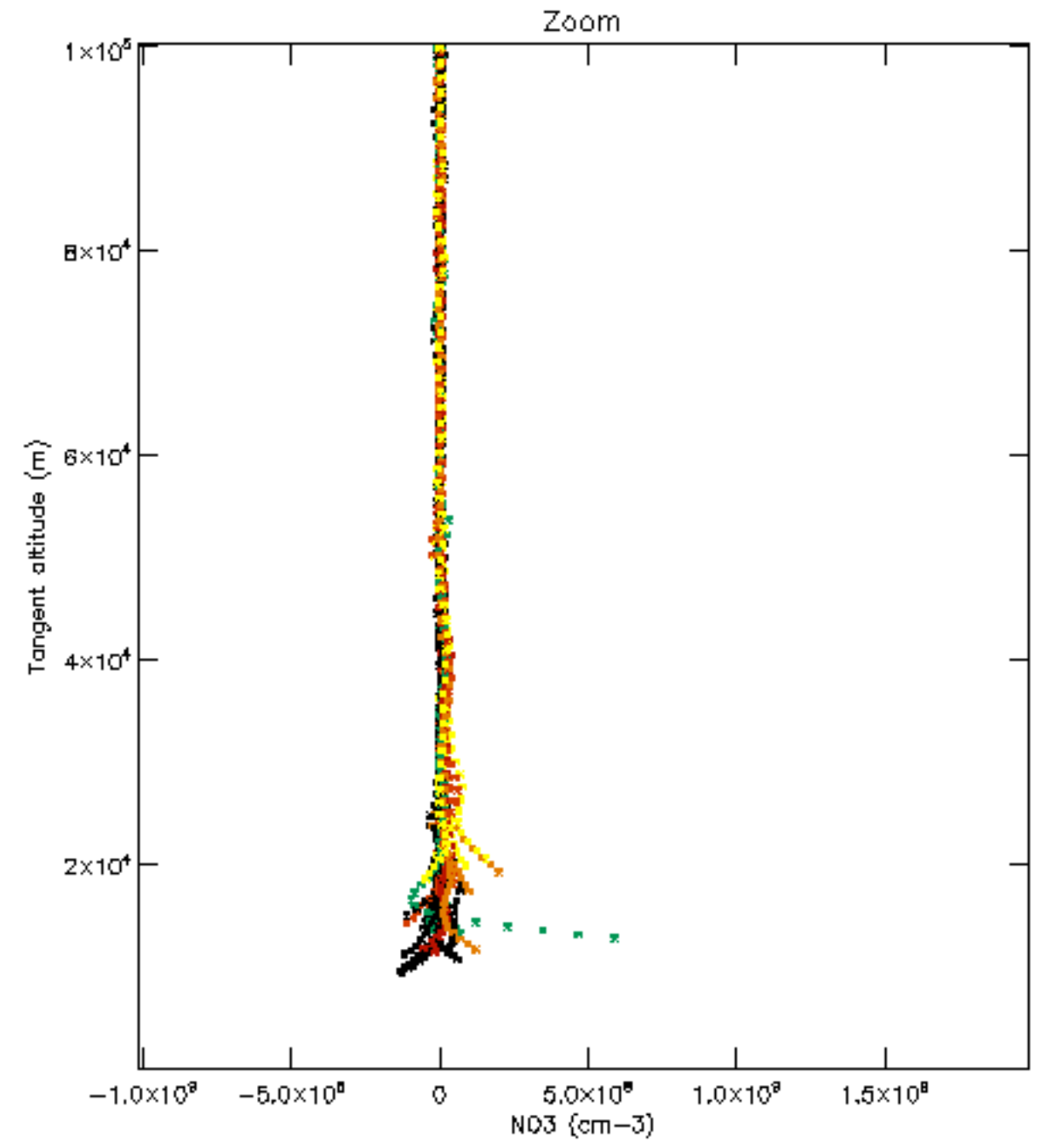
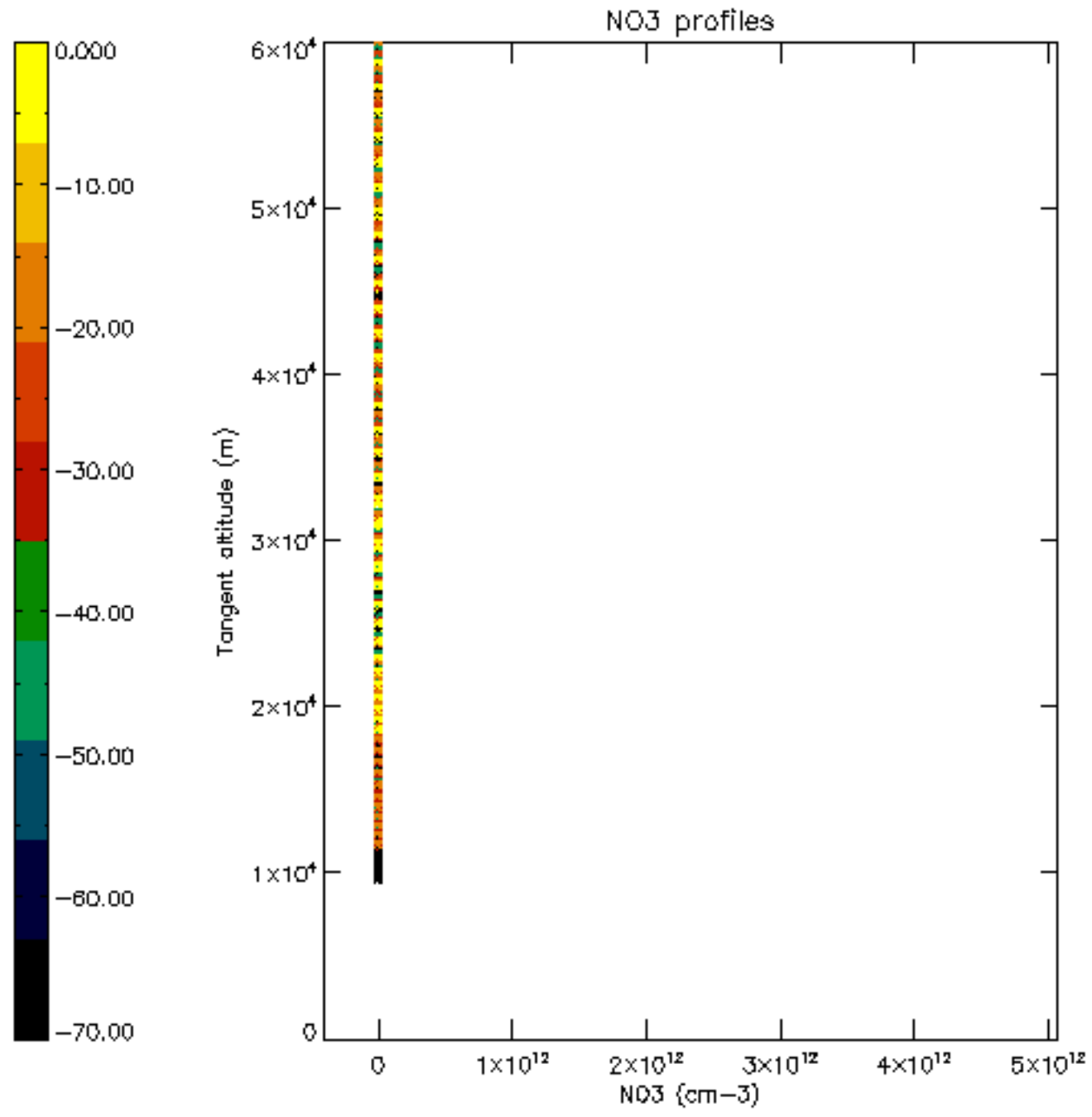


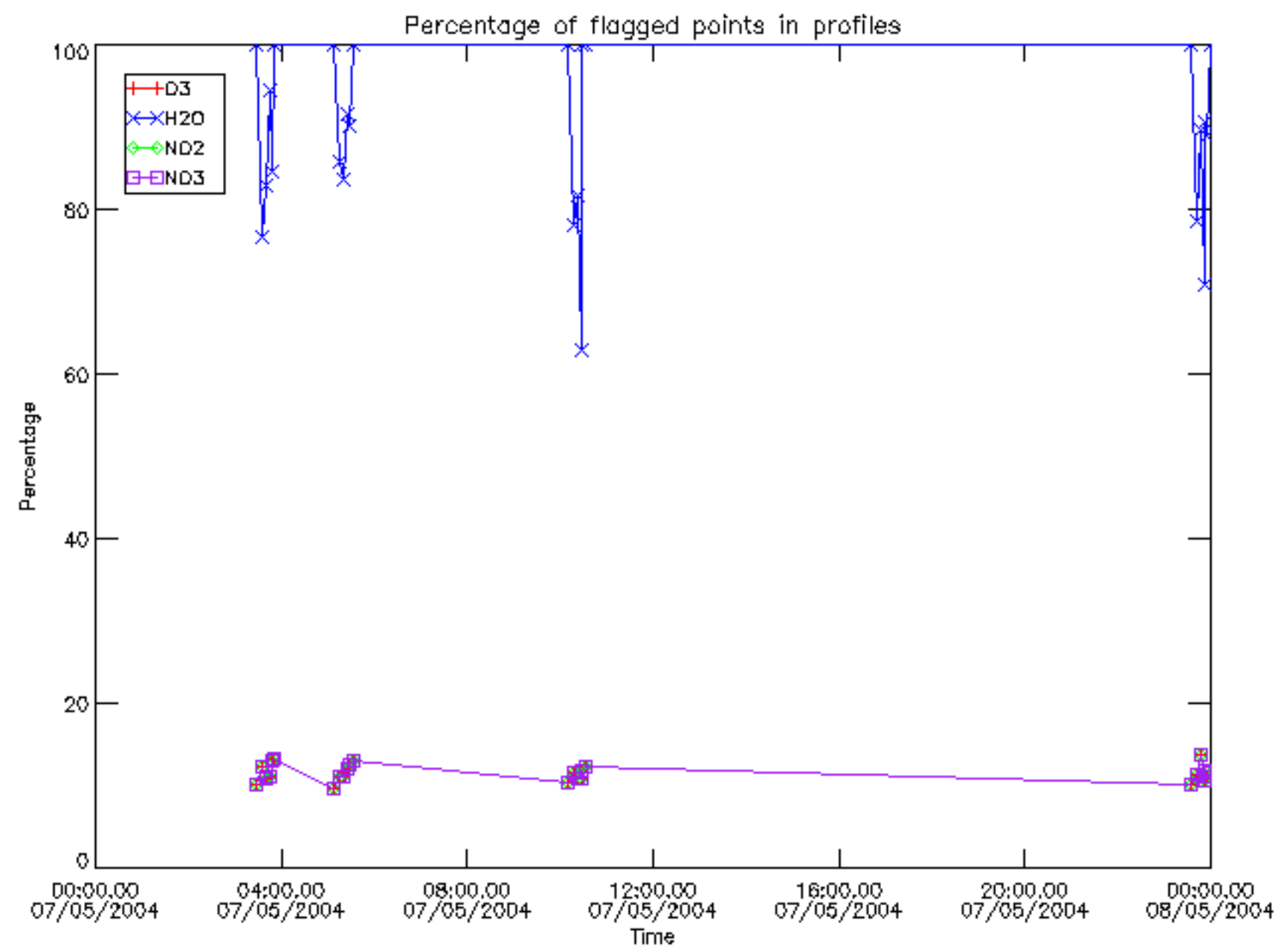




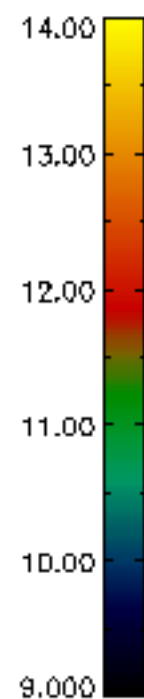
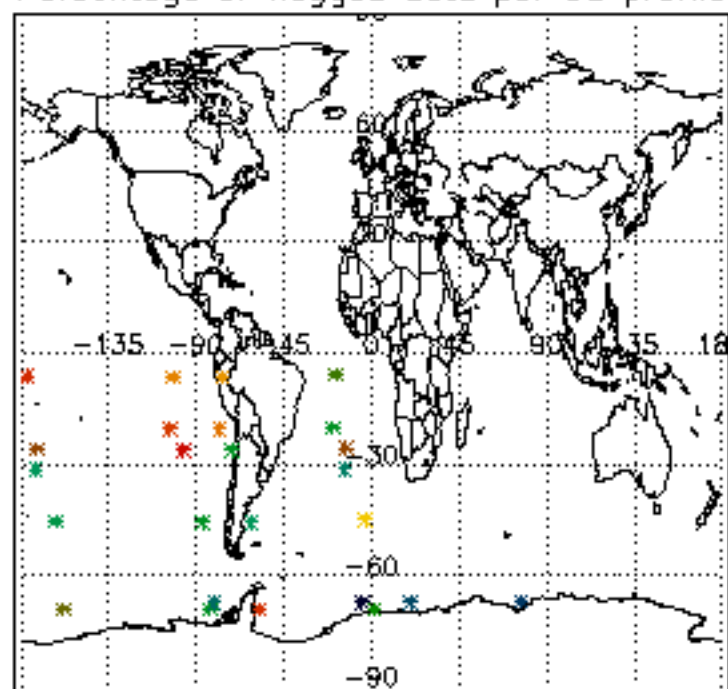




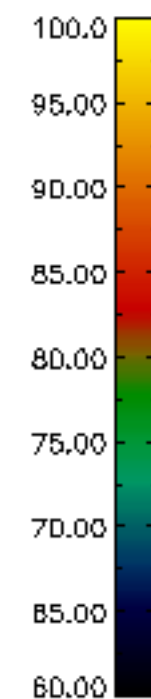
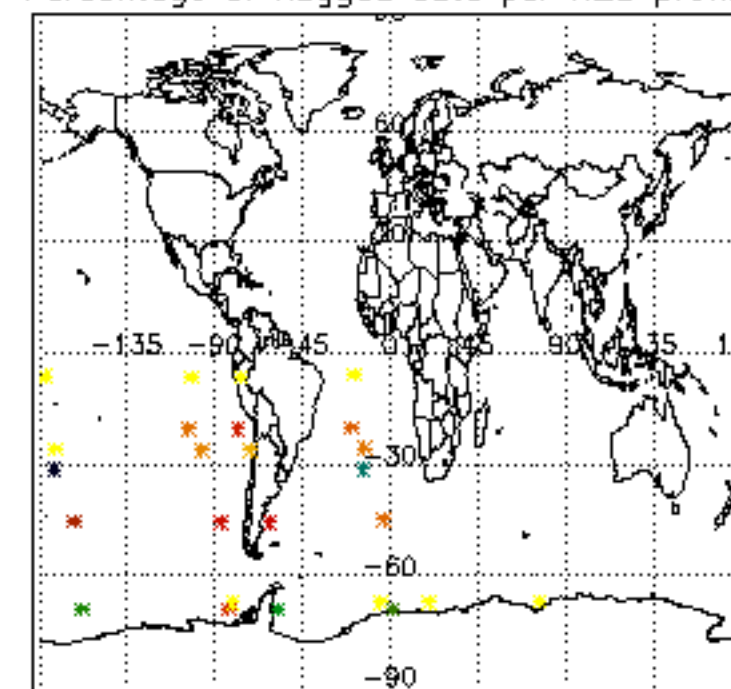




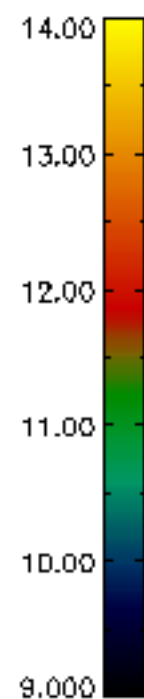
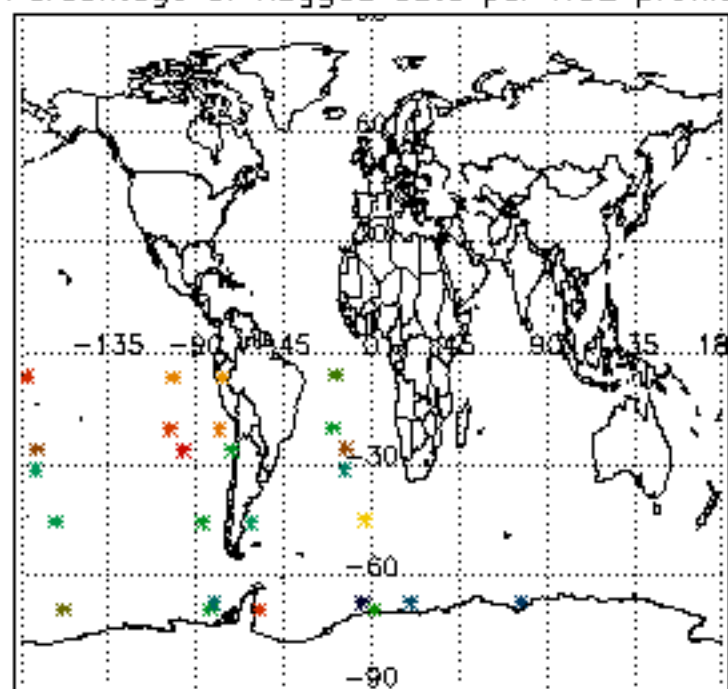
Percentage of flagged data per D3 profile



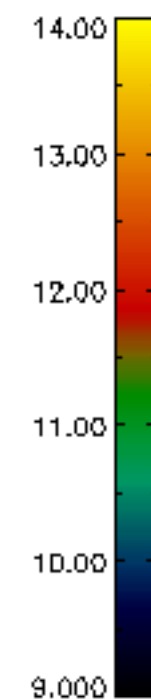
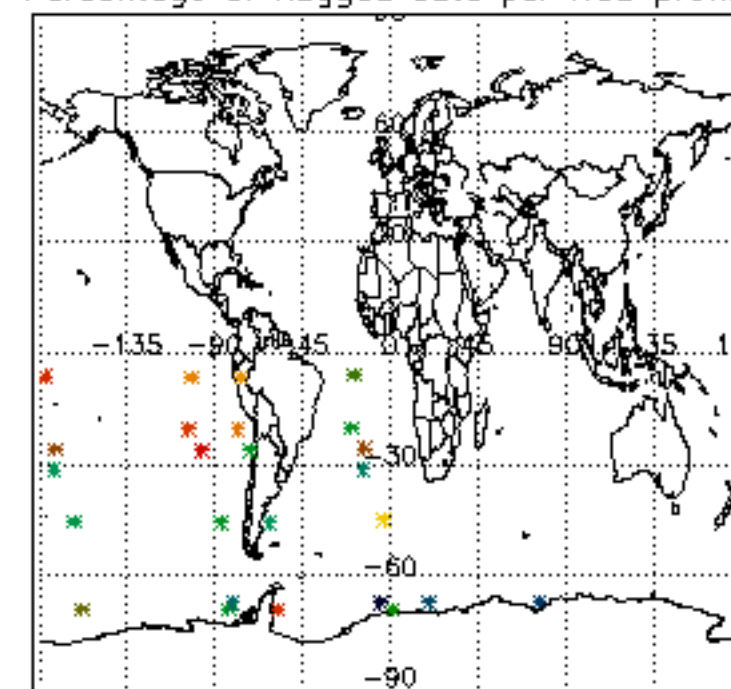
Percentage of flagged data per H2O profile



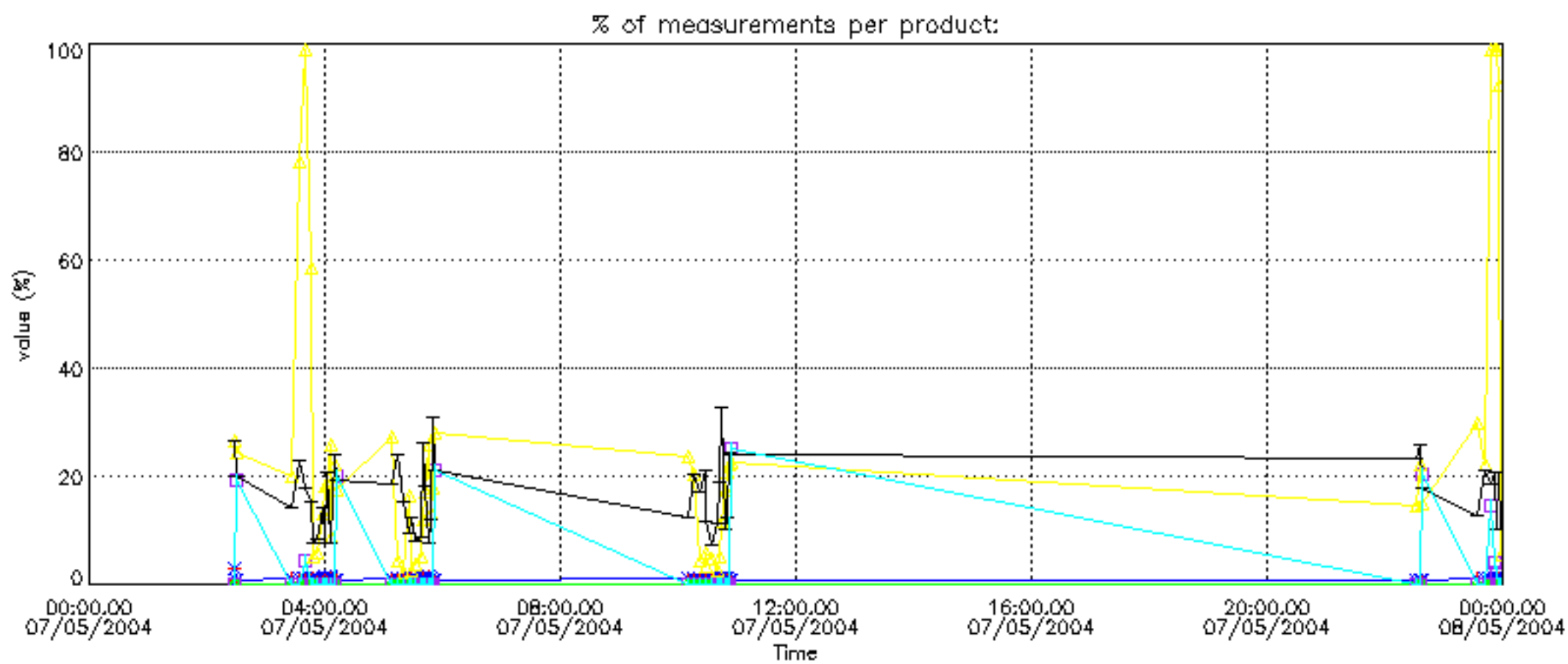
Percentage of flagged data per NO2 profile

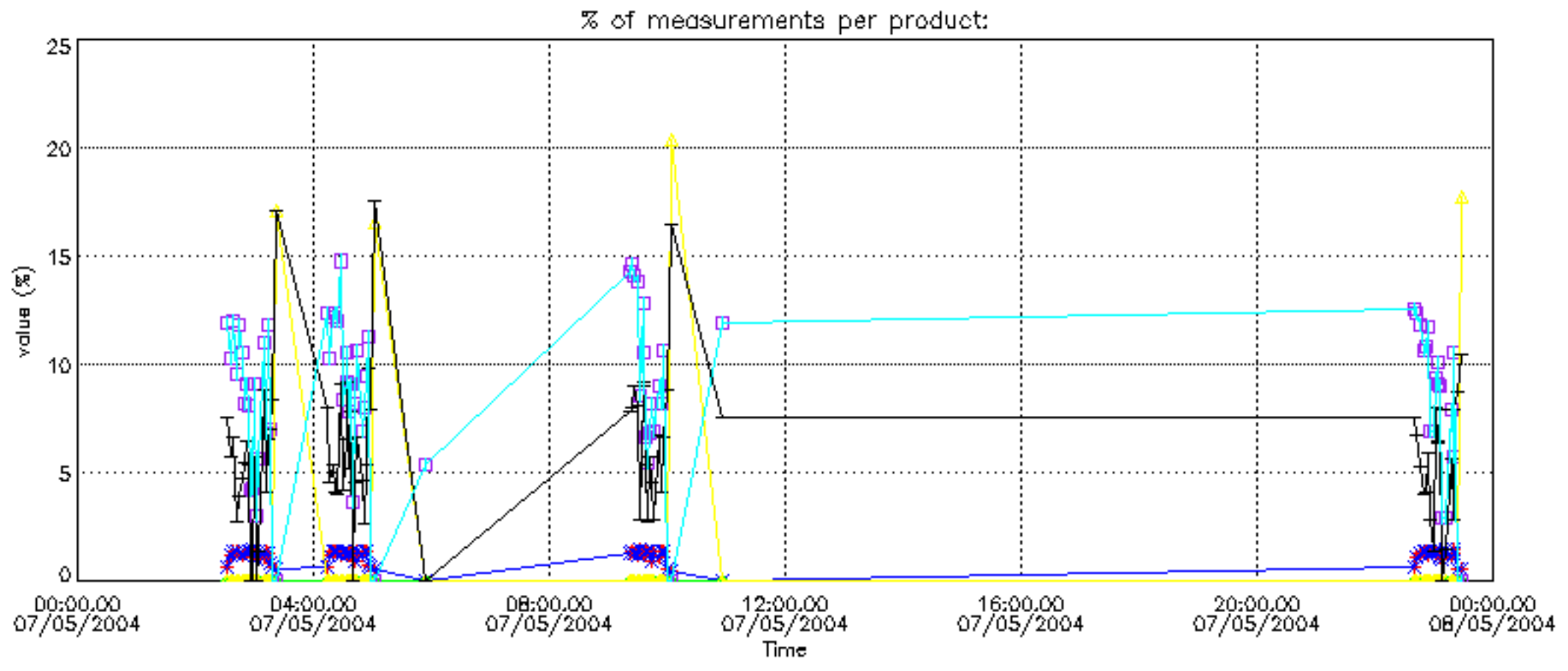


Percentage of flagged data per NO3 profile

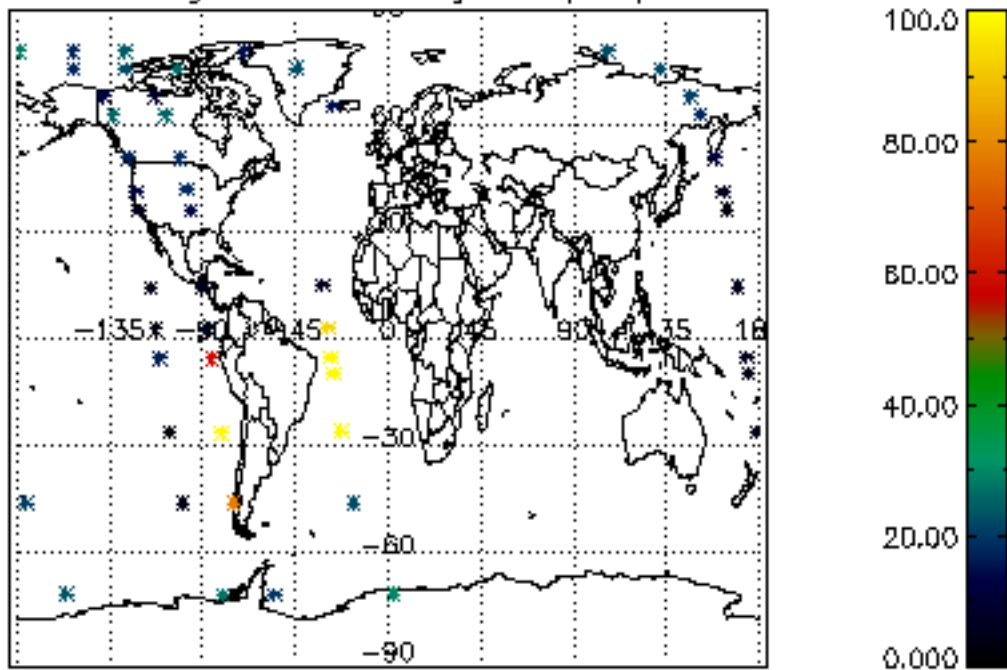




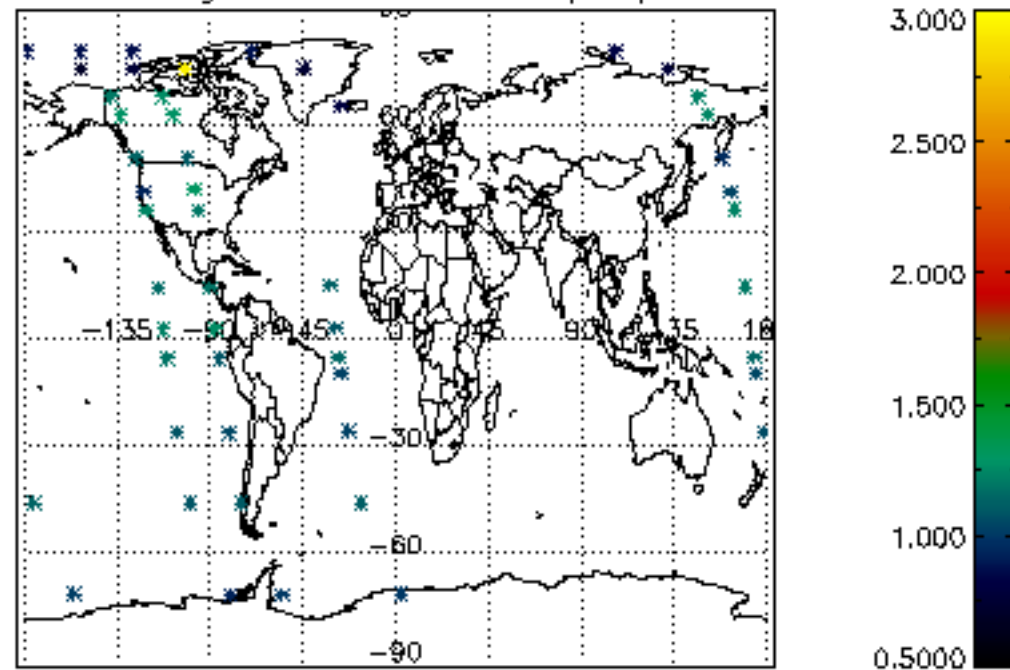




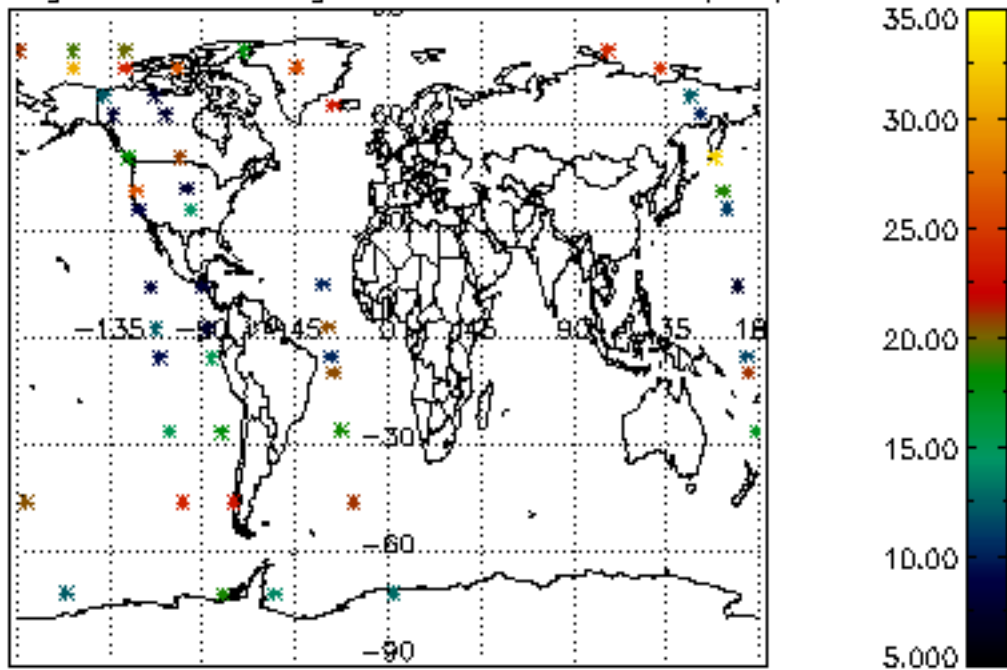
Percentage of cosmic ray hits per profile



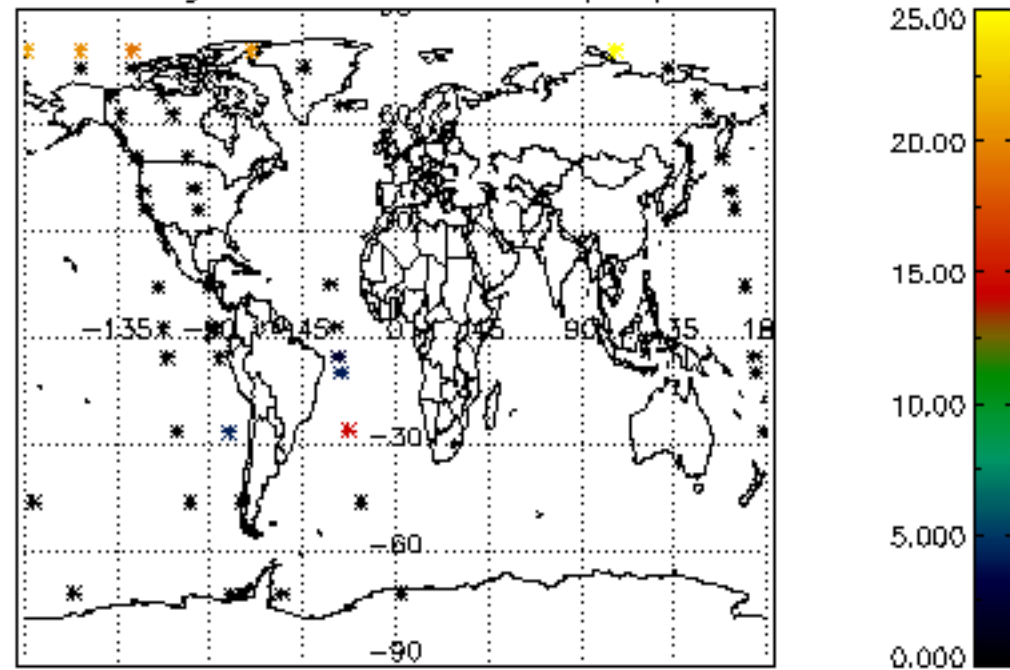
Percentage of datation errors per profile



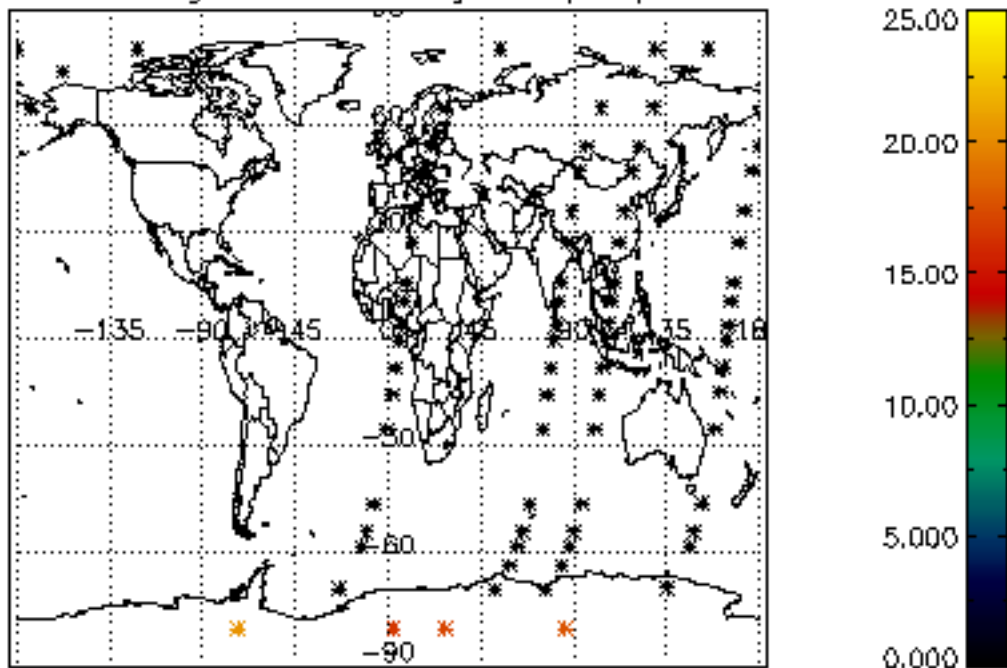
Percentage of star falling outside central band per profile



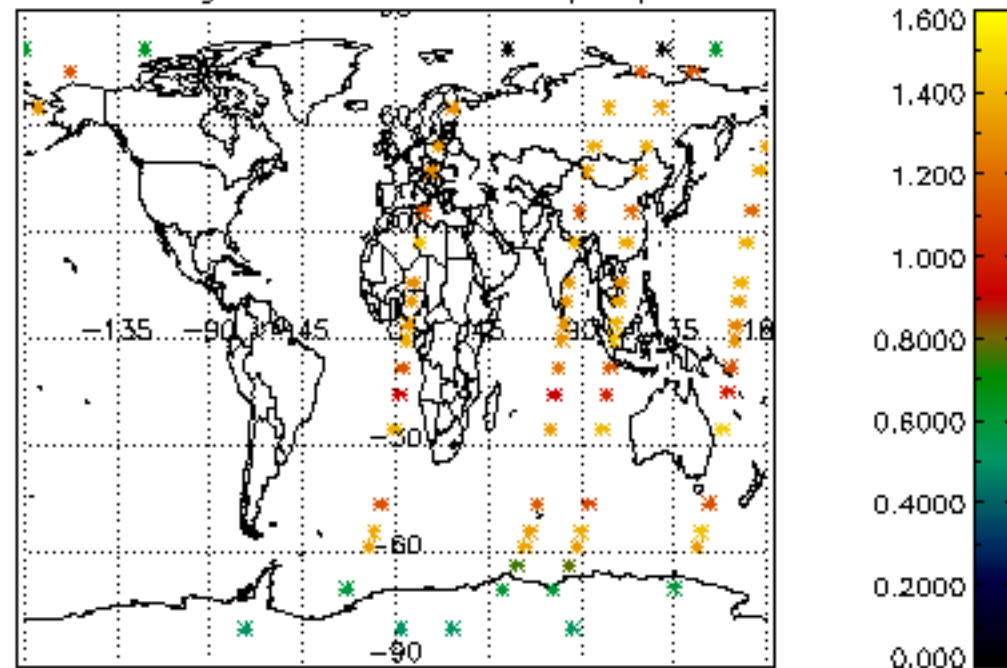
Percentage of saturation errors per profile



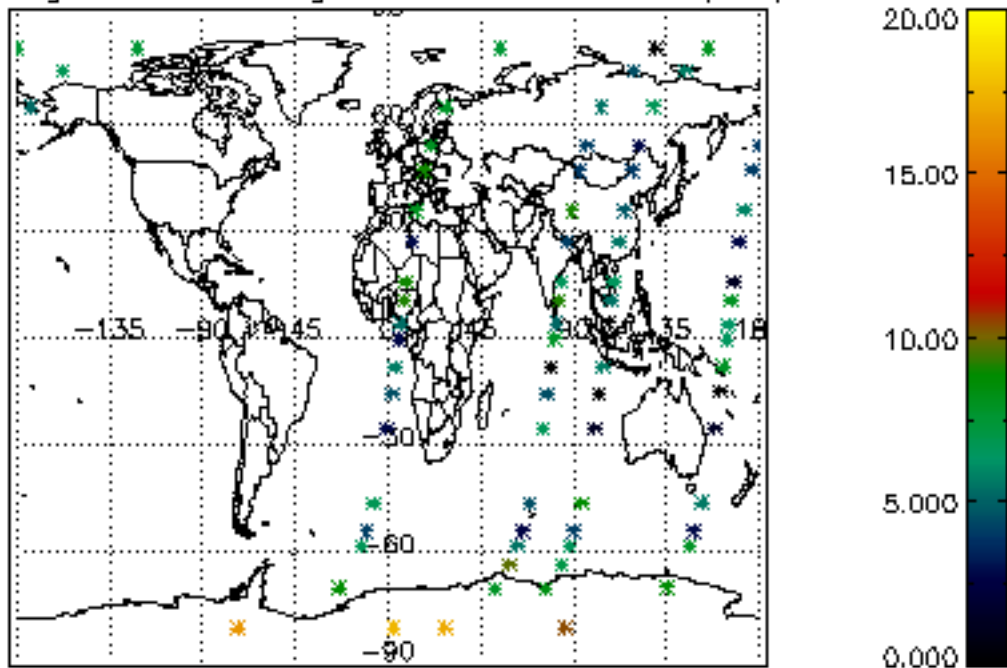
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

