

# 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	23APR2013 04:50:25
Data source version	GOMOS/6.01
Start time of products	14-09-2007 (14SEP2007 00:00:00)
Stop time of products	15-09-2007 (15SEP2007 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	173
Nb of prods with errors	0

## 2. Summary of processed GOM\_NL\_\_2P products.

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20070914_000010_000000432061_00345_28956_5441.N1	14-SEP-2007 00:00:10	Bright	42.500	24	66Alp Gem	1.5800	10200.	85	28956	No
2	GOM_NL__2PRFIN20070914_000838_000000472061_00345_28956_5442.N1	14-SEP-2007 00:08:38	Twilight	47.000	8	10Alp CMi	0.40000	6500.0	94	28956	No
3	GOM_NL__2PRFIN20070914_001727_000000572061_00345_28956_5443.N1	14-SEP-2007 00:17:27	Dark	57.000	1	9Alp CMa	-1.4400	11000.	114	28956	No
4	GOM_NL__2PRFIN20070914_001948_000000442061_00345_28956_5444.N1	14-SEP-2007 00:19:48	Dark	43.500	23	21Eps CMa	1.5020	26000.	87	28956	No
5	GOM_NL__2PRFIN20070914_002611_000000552061_00346_28957_5450.N1	14-SEP-2007 00:26:11	Dark	54.500	2	Alp Car	-0.73600	7000.0	109	28957	No
6	GOM_NL__2PRFIN20070914_003631_000000392061_00346_28957_5451.N1	14-SEP-2007 00:36:31	Dark	39.000	143	Alp Hyi	2.8570	7200.0	78	28957	No
7	GOM_NL__2PRFIN20070914_003755_000000422061_00346_28957_5452.N1	14-SEP-2007 00:37:55	Dark	42.000	9	Alp Eri	0.45300	24000.	84	28957	No
8	GOM_NL__2PRFIN20070914_004342_000000442061_00346_28957_5453.N1	14-SEP-2007 00:43:42	Straylight	43.500	84	Alp Phe	2.3970	4500.0	87	28957	No
9	GOM_NL__2PRFIN20070914_010235_000000402061_00346_28957_5454.N1	14-SEP-2007 01:02:35	Bright	40.000	90	54Alp Peg	2.4870	11000.	80	28957	No
10	GOM_NL__2PRFIN20070914_010631_000000422061_00346_28957_5455.N1	14-SEP-2007 01:06:31	Bright	41.500	93	53Bet Peg	2.5200	3100.0	83	28957	No
11	GOM_NL__2PRFIN20070914_011652_000000412061_00346_28957_5456.N1	14-SEP-2007 01:16:52	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	28957	No
12	GOM_NL__2PRFIN20070914_011844_000000402061_00346_28957_5457.N1	14-SEP-2007 01:18:44	Bright	39.500	76	27Gam Cas	2.3000	30000.	79	28957	No
13	GOM_NL__2PRFIN20070914_014046_000000442061_00346_28957_5458.N1	14-SEP-2007 01:40:46	Bright	44.000	24	66Alp Gem	1.5800	10200.	88	28957	No
14	GOM_NL__2PRFIN20070914_014915_000000442061_00346_28957_5459.N1	14-SEP-2007 01:49:15	Twilight	43.500	8	10Alp CMi	0.40000	6500.0	87	28957	No
15	GOM_NL__2PRFIN20070914_015804_000000572061_00346_28957_5460.N1	14-SEP-2007 01:58:04	Dark	57.000	1	9Alp CMa	-1.4400	11000.	114	28957	No
16	GOM_NL__2PRFIN20070914_020024_000000462061_00346_28957_5461.N1	14-SEP-2007 02:00:24	Dark	46.000	23	21Eps CMa	1.5020	26000.	92	28957	No
17	GOM_NL__2PRFIN20070914_020647_000000542061_00347_28958_5481.N1	14-SEP-2007 02:06:47	Dark	53.500	2	Alp Car	-0.73600	7000.0	107	28958	No
18	GOM_NL__2PRFIN20070914_021707_000000402061_00347_28958_5482.N1	14-SEP-2007 02:17:07	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	28958	No
19	GOM_NL__2PRFIN20070914_021832_000000472061_00347_28958_5483.N1	14-SEP-2007 02:18:32	Dark	47.000	9	Alp Eri	0.45300	24000.	94	28958	No
20	GOM_NL__2PRFIN20070914_022418_000000502061_00347_28958_5484.N1	14-SEP-2007 02:24:18	Straylight	50.000	84	Alp Phe	2.3970	4500.0	100	28958	No
21	GOM_NL__2PRFIN20070914_024311_000000412061_00347_28958_5485.N1	14-SEP-2007 02:43:11	Bright	40.500	90	54Alp Peg	2.4870	11000.	81	28958	No
22	GOM_NL__2PRFIN20070914_024706_000000392061_00347_28958_5486.N1	14-SEP-2007 02:47:06	Bright	39.000	93	53Bet Peg	2.5200	3100.0	78	28958	No
23	GOM_NL__2PRFIN20070914_025728_000000402061_00347_28958_5487.N1	14-SEP-2007 02:57:28	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	28958	No
24	GOM_NL__2PRFIN20070914_025919_000000392061_00347_28958_5488.N1	14-SEP-2007 02:59:19	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	28958	No
25	GOM_NL__2PRFIN20070914_032122_000000432061_00347_28958_5489.N1	14-SEP-2007 03:21:22	Bright	43.000	24	66Alp Gem	1.5800	10200.	86	28958	No
26	GOM_NL__2PRFIN20070914_032951_000000462061_00347_28958_5490.N1	14-SEP-2007 03:29:51	Twilight	46.000	8	10Alp CMi	0.40000	6500.0	92	28958	No
27	GOM_NL__2PRFIN20070914_033841_000000562061_00347_28958_5491.N1	14-SEP-2007 03:38:41	Dark	56.000	1	9Alp CMa	-1.4400	11000.	112	28958	No
28	GOM_NL__2PRFIN20070914_034101_000000452061_00347_28958_5492.N1	14-SEP-2007 03:41:01	Dark	44.500	23	21Eps CMa	1.5020	26000.	89	28958	No
29	GOM_NL__2PRFIN20070914_034724_000000522061_00348_28959_5495.N1	14-SEP-2007 03:47:24	Dark	51.500	2	Alp Car	-0.73600	7000.0	103	28959	No
30	GOM_NL__2PRFIN20070914_035744_000000402061_00348_28959_5496.N1	14-SEP-2007 03:57:44	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	28959	No
31	GOM_NL__2PRFIN20070914_035908_000000452061_00348_28959_5497.N1	14-SEP-2007 03:59:08	Dark	45.000	9	Alp Eri	0.45300	24000.	90	28959	No
32	GOM_NL__2PRFIN20070914_040455_000000482061_00348_28959_5498.N1	14-SEP-2007 04:04:55	Straylight	48.000	84	Alp Phe	2.3970	4500.0	96	28959	No
33	GOM_NL__2PRFIN20070914_042347_000000412061_00348_28959_5499.N1	14-SEP-2007 04:23:47	Bright	40.500	90	54Alp Peg	2.4870	11000.	81	28959	No
34	GOM_NL__2PRFIN20070914_042742_000000402061_00348_28959_5500.N1	14-SEP-2007 04:27:42	Bright	40.000	93	53Bet Peg	2.5200	3100.0	80	28959	No
35	GOM_NL__2PRFIN20070914_043803_000000422061_00348_28959_5501.N1	14-SEP-2007 04:38:03	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	28959	No
36	GOM_NL__2PRFIN20070914_043955_000000422061_00348_28959_5502.N1	14-SEP-2007 04:39:55	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	28959	No
37	GOM_NL__2PRFIN20070914_050158_000000422061_00348_28959_5503.N1	14-SEP-2007 05:01:58	Bright	42.000	24	66Alp Gem	1.5800	10200.	84	28959	No
38	GOM_NL__2PRFIN20070914_051027_000000522061_00348_28959_5504.N1	14-SEP-2007 05:10:27	Twilight	52.000	8	10Alp CMi	0.40000	6500.0	104	28959	No
39	GOM_NL__2PRFIN20070914_051918_000000572061_00348_28959_5505.N1	14-SEP-2007 05:19:18	Dark	57.000	1	9Alp CMa	-1.4400	11000.	114	28959	No
40	GOM_NL__2PRFIN20070914_052138_000000472061_00348_28959_5506.N1	14-SEP-2007 05:21:38	Dark	47.000	23	21Eps CMa	1.5020	26000.	94	28959	No
41	GOM_NL__2PRFIN20070914_052801_000000562061_00349_28960_5508.N1	14-SEP-2007 05:28:01	Dark	56.000	2	Alp Car	-0.73600	7000.0	112	28960	No
42	GOM_NL__2PRFIN20070914_053820_000000402061_00349_28960_5509.N1	14-SEP-2007 05:38:20	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	28960	No

43	GOM_NL__2PRFIN20070914_053945_000000452061_00349_28960_5510.N1	14-SEP-2007 05:39:45	Dark	45.000	9	Alp Eri	0.45300	24000.	90	28960	No
44	GOM_NL__2PRFIN20070914_054531_000000482061_00349_28960_5511.N1	14-SEP-2007 05:45:31	Straylight	48.000	84	Alp Phe	2.3970	4500.0	96	28960	No
45	GOM_NL__2PRFIN20070914_060423_000000392061_00349_28960_5512.N1	14-SEP-2007 06:04:23	Bright	38.500	90	54Alp Peg	2.4870	11000.	77	28960	No
46	GOM_NL__2PRFIN20070914_060818_000000382061_00349_28960_5513.N1	14-SEP-2007 06:08:18	Bright	38.000	93	53Bet Peg	2.5200	3100.0	76	28960	No
47	GOM_NL__2PRFIN20070914_061839_000000412061_00349_28960_5514.N1	14-SEP-2007 06:18:39	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	28960	No
48	GOM_NL__2PRFIN20070914_062030_000000422061_00349_28960_5515.N1	14-SEP-2007 06:20:30	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	28960	No
49	GOM_NL__2PRFIN20070914_064235_000000442061_00349_28960_5516.N1	14-SEP-2007 06:42:35	Bright	44.000	24	66Alp Gem	1.5800	10200.	88	28960	No
50	GOM_NL__2PRFIN20070914_065104_000000432061_00349_28960_5517.N1	14-SEP-2007 06:51:04	Twilight	43.000	8	10Alp CMi	0.40000	6500.0	86	28960	No
51	GOM_NL__2PRFIN20070914_065955_000000602061_00349_28960_5518.N1	14-SEP-2007 06:59:55	Dark	60.000	1	9Alp CMa	-1.4400	11000.	120	28960	No
52	GOM_NL__2PRFIN20070914_070215_000000482061_00349_28960_5519.N1	14-SEP-2007 07:02:15	Dark	48.000	23	21Eps CMa	1.5020	26000.	96	28960	No
53	GOM_NL__2PRFIN20070914_070837_000000562061_00350_28961_5527.N1	14-SEP-2007 07:08:37	Dark	55.500	2	Alp Car	-0.73600	7000.0	111	28961	No
54	GOM_NL__2PRFIN20070914_071857_000000412061_00350_28961_5528.N1	14-SEP-2007 07:18:57	Dark	40.500	143	Alp Hyi	2.8570	7200.0	81	28961	No
55	GOM_NL__2PRFIN20070914_072021_000000522061_00350_28961_5529.N1	14-SEP-2007 07:20:21	Dark	51.500	9	Alp Eri	0.45300	24000.	103	28961	No
56	GOM_NL__2PRFIN20070914_072608_000000482061_00350_28961_5530.N1	14-SEP-2007 07:26:08	Straylight	48.000	84	Alp Phe	2.3970	4500.0	96	28961	No
57	GOM_NL__2PRFIN20070914_074458_000000392061_00350_28961_5531.N1	14-SEP-2007 07:44:58	Bright	39.000	90	54Alp Peg	2.4870	11000.	78	28961	No
58	GOM_NL__2PRFIN20070914_074853_000000432061_00350_28961_5532.N1	14-SEP-2007 07:48:53	Bright	43.000	93	53Bet Peg	2.5200	3100.0	86	28961	No
59	GOM_NL__2PRFIN20070914_075914_000000422061_00350_28961_5533.N1	14-SEP-2007 07:59:14	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	28961	No
60	GOM_NL__2PRFIN20070914_080106_000000432061_00350_28961_5534.N1	14-SEP-2007 08:01:06	Bright	43.000	76	27Gam Cas	2.3000	30000.	86	28961	No
61	GOM_NL__2PRFIN20070914_082311_000000432061_00350_28961_5535.N1	14-SEP-2007 08:23:11	Bright	42.500	24	66Alp Gem	1.5800	10200.	85	28961	No
62	GOM_NL__2PRFIN20070914_083140_000000432061_00350_28961_5536.N1	14-SEP-2007 08:31:40	Twilight	42.500	8	10Alp CMi	0.40000	6500.0	85	28961	No
63	GOM_NL__2PRFIN20070914_084032_000000632061_00350_28961_5537.N1	14-SEP-2007 08:40:32	Dark	63.000	1	9Alp CMa	-1.4400	11000.	126	28961	No
64	GOM_NL__2PRFIN20070914_084251_000000442061_00350_28961_5538.N1	14-SEP-2007 08:42:51	Dark	44.000	23	21Eps CMa	1.5020	26000.	88	28961	No
65	GOM_NL__2PRFIN20070914_084914_000000452061_00351_28962_5540.N1	14-SEP-2007 08:49:14	Dark	45.000	2	Alp Car	-0.73600	7000.0	90	28962	No
66	GOM_NL__2PRFIN20070914_085933_000000402061_00351_28962_5541.N1	14-SEP-2007 08:59:33	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	28962	No
67	GOM_NL__2PRFIN20070914_090058_000000522061_00351_28962_5542.N1	14-SEP-2007 09:00:58	Dark	51.500	9	Alp Eri	0.45300	24000.	103	28962	No
68	GOM_NL__2PRFIN20070914_090644_000000442061_00351_28962_5543.N1	14-SEP-2007 09:06:44	Straylight	44.000	84	Alp Phe	2.3970	4500.0	88	28962	No
69	GOM_NL__2PRFIN20070914_092534_000000402061_00351_28962_5544.N1	14-SEP-2007 09:25:34	Bright	39.500	90	54Alp Peg	2.4870	11000.	79	28962	No
70	GOM_NL__2PRFIN20070914_092929_000000422061_00351_28962_5545.N1	14-SEP-2007 09:29:29	Bright	41.500	93	53Bet Peg	2.5200	3100.0	83	28962	No
71	GOM_NL__2PRFIN20070914_093950_000000402061_00351_28962_5546.N1	14-SEP-2007 09:39:50	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	28962	No
72	GOM_NL__2PRFIN20070914_094141_000000422061_00351_28962_5547.N1	14-SEP-2007 09:41:41	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	28962	No
73	GOM_NL__2PRFIN20070914_100347_000000522061_00351_28962_5548.N1	14-SEP-2007 10:03:47	Bright	52.000	24	66Alp Gem	1.5800	10200.	104	28962	No
74	GOM_NL__2PRFIN20070914_101217_000000522061_00351_28962_5549.N1	14-SEP-2007 10:12:17	Twilight	51.500	8	10Alp CMi	0.40000	6500.0	103	28962	No
75	GOM_NL__2PRFIN20070914_102109_000000582061_00351_28962_5550.N1	14-SEP-2007 10:21:09	Dark	58.000	1	9Alp CMa	-1.4400	11000.	116	28962	No
76	GOM_NL__2PRFIN20070914_102328_000000472061_00351_28962_5551.N1	14-SEP-2007 10:23:28	Dark	47.000	23	21Eps CMa	1.5020	26000.	94	28962	No
77	GOM_NL__2PRFIN20070914_102950_000000452061_00352_28963_5554.N1	14-SEP-2007 10:29:50	Dark	44.500	2	Alp Car	-0.73600	7000.0	89	28963	No
78	GOM_NL__2PRFIN20070914_104009_000000402061_00352_28963_5555.N1	14-SEP-2007 10:40:09	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	28963	No
79	GOM_NL__2PRFIN20070914_104134_000000462061_00352_28963_5556.N1	14-SEP-2007 10:41:34	Dark	46.000	9	Alp Eri	0.45300	24000.	92	28963	No
80	GOM_NL__2PRFIN20070914_104720_000000462061_00352_28963_5557.N1	14-SEP-2007 10:47:20	Straylight	46.000	84	Alp Phe	2.3970	4500.0	92	28963	No
81	GOM_NL__2PRFIN20070914_110610_000000402061_00352_28963_5558.N1	14-SEP-2007 11:06:10	Bright	39.500	90	54Alp Peg	2.4870	11000.	79	28963	No
82	GOM_NL__2PRFIN20070914_111004_000000392061_00352_28963_5559.N1	14-SEP-2007 11:10:04	Bright	38.500	93	53Bet Peg	2.5200	3100.0	77	28963	No
83	GOM_NL__2PRFIN20070914_112025_000000422061_00352_28963_5560.N1	14-SEP-2007 11:20:25	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	28963	No
84	GOM_NL__2PRFIN20070914_112216_000000442061_00352_28963_5561.N1	14-SEP-2007 11:22:16	Bright	43.500	76	27Gam Cas	2.3000	30000.	87	28963	No
85	GOM_NL__2PRFIN20070914_114423_000000432061_00352_28963_5562.N1	14-SEP-2007 11:44:23	Bright	43.000	24	66Alp Gem	1.5800	10200.	86	28963	No
86	GOM_NL__2PRFIN20070914_115253_000000612061_00352_28963_5563.N1	14-SEP-2007 11:52:53	Twilight	60.500	8	10Alp CMi	0.40000	6500.0	121	28963	No
87	GOM_NL__2PRFIN20070914_120146_000000592061_00352_28963_5564.N1	14-SEP-2007 12:01:46	Dark	58.500	1	9Alp CMa	-1.4400	11000.	117	28963	No
88	GOM_NL__2PRFIN20070914_120405_000000492061_00352_28963_5565.N1	14-SEP-2007 12:04:05	Dark	48.500	23	21Eps CMa	1.5020	26000.	97	28963	No
89	GOM_NL__2PRFIN20070914_121027_000000562061_00353_28964_5566.N1	14-SEP-2007 12:10:27	Dark	56.000	2	Alp Car	-0.73600	7000.0	112	28964	No
90	GOM_NL__2PRFIN20070914_122046_000000402061_00353_28964_5567.N1	14-SEP-2007 12:20:46	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	28964	No
91	GOM_NL__2PRFIN20070914_122210_000000442061_00353_28964_5568.N1	14-SEP-2007 12:22:10	Dark	43.500	9	Alp Eri	0.45300	24000.	87	28964	No
92	GOM_NL__2PRFIN20070914_122757_000000442061_00353_28964_5569.N1	14-SEP-2007 12:27:57	Straylight	43.500	84	Alp Phe	2.3970	4500.0	87	28964	No
93	GOM_NL__2PRFIN20070914_124645_000000402061_00353_28964_5570.N1	14-SEP-2007 12:46:45	Bright	39.500	90	54Alp Peg	2.4870	11000.	79	28964	No
94	GOM_NL__2PRFIN20070914_125040_000000412061_00353_28964_5571.N1	14-SEP-2007 12:50:40	Bright	40.500	93	53Bet Peg	2.5200	3100.0	81	28964	No
95	GOM_NL__2PRFIN20070914_130101_000000432061_00353_28964_5572.N1	14-SEP-2007 13:01:01	Bright	43.000	74	11Bet Cas	2.2680	6600.0	86	28964	No
96	GOM_NL__2PRFIN20070914_130252_000000442061_00353_28964_5573.N1	14-SEP-2007 13:02:52	Bright	44.000	76	27Gam Cas	2.3000	30000.	88	28964	No
97	GOM_NL__2PRFIN20070914_132459_000000422061_00353_28964_5574.N1	14-SEP-2007 13:24:59	Bright	42.000	24	66Alp Gem	1.5800	10200.	84	28964	No
98	GOM_NL__2PRFIN20070914_133330_000000552061_00353_28964_5575.N1	14-SEP-2007 13:33:30	Twilight	55.000	8	10Alp CMi	0.40000	6500.0	110	28964	No
99	GOM_NL__2PRFIN20070914_134223_000000562061_00353_28964_5576.N1	14-SEP-2007 13:42:23	Dark	56.000	1	9Alp CMa	-1.4400	11000.	112	28964	No
100	GOM_NL__2PRFIN20070914_134441_000000502061_00353_28964_5577.N1	14-SEP-2007 13:44:41	Dark	50.000	23	21Eps CMa	1.5020	26000.	100	28964	No
101	GOM_NL__2PRFIN20070914_135103_000000542061_00354_28965_5577.N1	14-SEP-2007 13:51:03	Dark	53.500	2	Alp Car	-0.73600	7000.0	107	28965	No

102	GOM_NL__2PRFIN20070914_140122_000000402061_00354_28965_5578.N1	14-SEP-2007 14:01:22	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	28965	No
103	GOM_NL__2PRFIN20070914_140247_000000432061_00354_28965_5579.N1	14-SEP-2007 14:02:47	Dark	42.500	9	Alp Eri	0.45300	24000.	85	28965	No
104	GOM_NL__2PRFIN20070914_140833_000000452061_00354_28965_5580.N1	14-SEP-2007 14:08:33	Straylight	44.500	84	Alp Phe	2.3970	4500.0	89	28965	No
105	GOM_NL__2PRFIN20070914_142721_000000402061_00354_28965_5581.N1	14-SEP-2007 14:27:21	Bright	40.000	90	54Alp Peg	2.4870	11000.	80	28965	No
106	GOM_NL__2PRFIN20070914_143116_000000402061_00354_28965_5582.N1	14-SEP-2007 14:31:16	Bright	39.500	93	53Bet Peg	2.5200	3100.0	79	28965	No
107	GOM_NL__2PRFIN20070914_144136_000000422061_00354_28965_5583.N1	14-SEP-2007 14:41:36	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	28965	No
108	GOM_NL__2PRFIN20070914_144327_000000412061_00354_28965_5584.N1	14-SEP-2007 14:43:27	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	28965	No
109	GOM_NL__2PRFIN20070914_150535_000000422061_00354_28965_5585.N1	14-SEP-2007 15:05:35	Bright	42.000	24	66Alp Gem	1.5800	10200.	84	28965	No
110	GOM_NL__2PRFIN20070914_151406_000000612061_00354_28965_5586.N1	14-SEP-2007 15:14:06	Twilight	60.500	8	10Alp CMi	0.40000	6500.0	121	28965	No
111	GOM_NL__2PRFIN20070914_152300_000000612061_00354_28965_5587.N1	14-SEP-2007 15:23:00	Dark	60.500	1	9Alp CMa	-1.4400	11000.	121	28965	No
112	GOM_NL__2PRFIN20070914_152518_000000462061_00354_28965_5588.N1	14-SEP-2007 15:25:18	Dark	46.000	23	21Eps CMa	1.5020	26000.	92	28965	No
113	GOM_NL__2PRFIN20070914_153140_000000542061_00355_28966_5603.N1	14-SEP-2007 15:31:40	Dark	53.500	2	Alp Car	-0.73600	7000.0	107	28966	No
114	GOM_NL__2PRFIN20070914_154158_000000402061_00355_28966_5604.N1	14-SEP-2007 15:41:58	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	28966	No
115	GOM_NL__2PRFIN20070914_154323_000000432061_00355_28966_5605.N1	14-SEP-2007 15:43:23	Dark	43.000	9	Alp Eri	0.45300	24000.	86	28966	No
116	GOM_NL__2PRFIN20070914_154909_000000532061_00355_28966_5606.N1	14-SEP-2007 15:49:09	Straylight	52.500	84	Alp Phe	2.3970	4500.0	105	28966	No
117	GOM_NL__2PRFIN20070914_160757_000000402061_00355_28966_5607.N1	14-SEP-2007 16:07:57	Bright	40.000	90	54Alp Peg	2.4870	11000.	80	28966	No
118	GOM_NL__2PRFIN20070914_161151_000000432061_00355_28966_5608.N1	14-SEP-2007 16:11:51	Bright	42.500	93	53Bet Peg	2.5200	3100.0	85	28966	No
119	GOM_NL__2PRFIN20070914_162212_000000422061_00355_28966_5609.N1	14-SEP-2007 16:22:12	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	28966	No
120	GOM_NL__2PRFIN20070914_162402_000000402061_00355_28966_5610.N1	14-SEP-2007 16:24:02	Bright	39.500	76	27Gam Cas	2.3000	30000.	79	28966	No
121	GOM_NL__2PRFIN20070914_164611_000000442061_00355_28966_5611.N1	14-SEP-2007 16:46:11	Bright	43.500	24	66Alp Gem	1.5800	10200.	87	28966	No
122	GOM_NL__2PRFIN20070914_165442_000000512061_00355_28966_5612.N1	14-SEP-2007 16:54:42	Twilight	51.000	8	10Alp CMi	0.40000	6500.0	102	28966	No
123	GOM_NL__2PRFIN20070914_170337_000000672061_00355_28966_5613.N1	14-SEP-2007 17:03:37	Dark	66.500	1	9Alp CMa	-1.4400	11000.	133	28966	No
124	GOM_NL__2PRFIN20070914_170555_000000442061_00355_28966_5614.N1	14-SEP-2007 17:05:55	Dark	44.000	23	21Eps CMa	1.5020	26000.	88	28966	No
125	GOM_NL__2PRFIN20070914_171216_000000562061_00356_28967_5624.N1	14-SEP-2007 17:12:16	Dark	56.000	2	Alp Car	-0.73600	7000.0	112	28967	No
126	GOM_NL__2PRFIN20070914_172235_000000402061_00356_28967_5625.N1	14-SEP-2007 17:22:35	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	28967	No
127	GOM_NL__2PRFIN20070914_172400_000000452061_00356_28967_5626.N1	14-SEP-2007 17:24:00	Dark	44.500	9	Alp Eri	0.45300	24000.	89	28967	No
128	GOM_NL__2PRFIN20070914_172946_000000552061_00356_28967_5627.N1	14-SEP-2007 17:29:46	Straylight	54.500	84	Alp Phe	2.3970	4500.0	109	28967	No
129	GOM_NL__2PRFIN20070914_174833_000000402061_00356_28967_5628.N1	14-SEP-2007 17:48:33	Bright	39.500	90	54Alp Peg	2.4870	11000.	79	28967	No
130	GOM_NL__2PRFIN20070914_175227_000000422061_00356_28967_5629.N1	14-SEP-2007 17:52:27	Bright	41.500	93	53Bet Peg	2.5200	3100.0	83	28967	No
131	GOM_NL__2PRFIN20070914_180247_000000422061_00356_28967_5630.N1	14-SEP-2007 18:02:47	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	28967	No
132	GOM_NL__2PRFIN20070914_180438_000000432061_00356_28967_5631.N1	14-SEP-2007 18:04:38	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	28967	No
133	GOM_NL__2PRFIN20070914_182647_000000432061_00356_28967_5632.N1	14-SEP-2007 18:26:47	Bright	42.500	24	66Alp Gem	1.5800	10200.	85	28967	No
134	GOM_NL__2PRFIN20070914_183519_000000522061_00356_28967_5633.N1	14-SEP-2007 18:35:19	Twilight	51.500	8	10Alp CMi	0.40000	6500.0	103	28967	No
135	GOM_NL__2PRFIN20070914_184414_000000602061_00356_28967_5634.N1	14-SEP-2007 18:44:14	Dark	60.000	1	9Alp CMa	-1.4400	11000.	120	28967	No
136	GOM_NL__2PRFIN20070914_184632_000000452061_00356_28967_5635.N1	14-SEP-2007 18:46:32	Dark	45.000	23	21Eps CMa	1.5020	26000.	90	28967	No
137	GOM_NL__2PRFIN20070914_185253_000000502061_00357_28968_5659.N1	14-SEP-2007 18:52:53	Dark	49.500	2	Alp Car	-0.73600	7000.0	99	28968	No
138	GOM_NL__2PRFIN20070914_190312_000000402061_00357_28968_5660.N1	14-SEP-2007 19:03:12	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	28968	No
139	GOM_NL__2PRFIN20070914_190436_000000542061_00357_28968_5661.N1	14-SEP-2007 19:04:36	Dark	53.500	9	Alp Eri	0.45300	24000.	107	28968	No
140	GOM_NL__2PRFIN20070914_191022_000000492061_00357_28968_5662.N1	14-SEP-2007 19:10:22	Straylight	48.500	84	Alp Phe	2.3970	4500.0	97	28968	No
141	GOM_NL__2PRFIN20070914_192908_000000402061_00357_28968_5663.N1	14-SEP-2007 19:29:08	Bright	40.000	90	54Alp Peg	2.4870	11000.	80	28968	No
142	GOM_NL__2PRFIN20070914_193303_000000402061_00357_28968_5664.N1	14-SEP-2007 19:33:03	Bright	39.500	93	53Bet Peg	2.5200	3100.0	79	28968	No
143	GOM_NL__2PRFIN20070914_194323_000000422061_00357_28968_5665.N1	14-SEP-2007 19:43:23	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	28968	No
144	GOM_NL__2PRFIN20070914_194513_000000402061_00357_28968_5666.N1	14-SEP-2007 19:45:13	Bright	40.000	76	27Gam Cas	2.3000	30000.	80	28968	No
145	GOM_NL__2PRFIN20070914_200723_000000432061_00357_28968_5667.N1	14-SEP-2007 20:07:23	Bright	43.000	24	66Alp Gem	1.5800	10200.	86	28968	No
146	GOM_NL__2PRFIN20070914_201555_000000522061_00357_28968_5668.N1	14-SEP-2007 20:15:55	Twilight	51.500	8	10Alp CMi	0.40000	6500.0	103	28968	No
147	GOM_NL__2PRFIN20070914_202451_000000592061_00357_28968_5669.N1	14-SEP-2007 20:24:51	Dark	58.500	1	9Alp CMa	-1.4400	11000.	117	28968	No
148	GOM_NL__2PRFIN20070914_202708_000000472061_00357_28968_5670.N1	14-SEP-2007 20:27:08	Dark	47.000	23	21Eps CMa	1.5020	26000.	94	28968	No
149	GOM_NL__2PRFIN20070914_203329_000000562061_00358_28969_5676.N1	14-SEP-2007 20:33:29	Dark	55.500	2	Alp Car	-0.73600	7000.0	111	28969	No
150	GOM_NL__2PRFIN20070914_204348_000000402061_00358_28969_5677.N1	14-SEP-2007 20:43:48	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	28969	No
151	GOM_NL__2PRFIN20070914_204513_000000532061_00358_28969_5678.N1	14-SEP-2007 20:45:13	Dark	53.000	9	Alp Eri	0.45300	24000.	106	28969	No
152	GOM_NL__2PRFIN20070914_205059_000000482061_00358_28969_5679.N1	14-SEP-2007 20:50:59	Straylight	47.500	84	Alp Phe	2.3970	4500.0	95	28969	No
153	GOM_NL__2PRFIN20070914_210944_000000392061_00358_28969_5680.N1	14-SEP-2007 21:09:44	Bright	39.000	90	54Alp Peg	2.4870	11000.	78	28969	No
154	GOM_NL__2PRFIN20070914_211338_000000402061_00358_28969_5681.N1	14-SEP-2007 21:13:38	Bright	40.000	93	53Bet Peg	2.5200	3100.0	80	28969	No
155	GOM_NL__2PRFIN20070914_212358_000000382061_00358_28969_5682.N1	14-SEP-2007 21:23:58	Bright	38.000	74	11Bet Cas	2.2680	6600.0	76	28969	No
156	GOM_NL__2PRFIN20070914_212548_000000432061_00358_28969_5683.N1	14-SEP-2007 21:25:48	Bright	43.000	76	27Gam Cas	2.3000	30000.	86	28969	No
157	GOM_NL__2PRFIN20070914_214759_000000422061_00358_28969_5684.N1	14-SEP-2007 21:47:59	Bright	41.500	24	66Alp Gem	1.5800	10200.	83	28969	No
158	GOM_NL__2PRFIN20070914_215632_000000602061_00358_28969_5685.N1	14-SEP-2007 21:56:32	Twilight	59.500	8	10Alp CMi	0.40000	6500.0	119	28969	No
159	GOM_NL__2PRFIN20070914_220527_000000592061_00358_28969_5686.N1	14-SEP-2007 22:05:27	Dark	59.000	1	9Alp CMa	-1.4400	11000.	118	28969	No
160	GOM_NL__2PRFIN20070914_220745_000000502061_00358_28969_5687.N1	14-SEP-2007 22:07:45	Dark	49.500	23	21Eps CMa	1.5020	26000.	99	28969	No

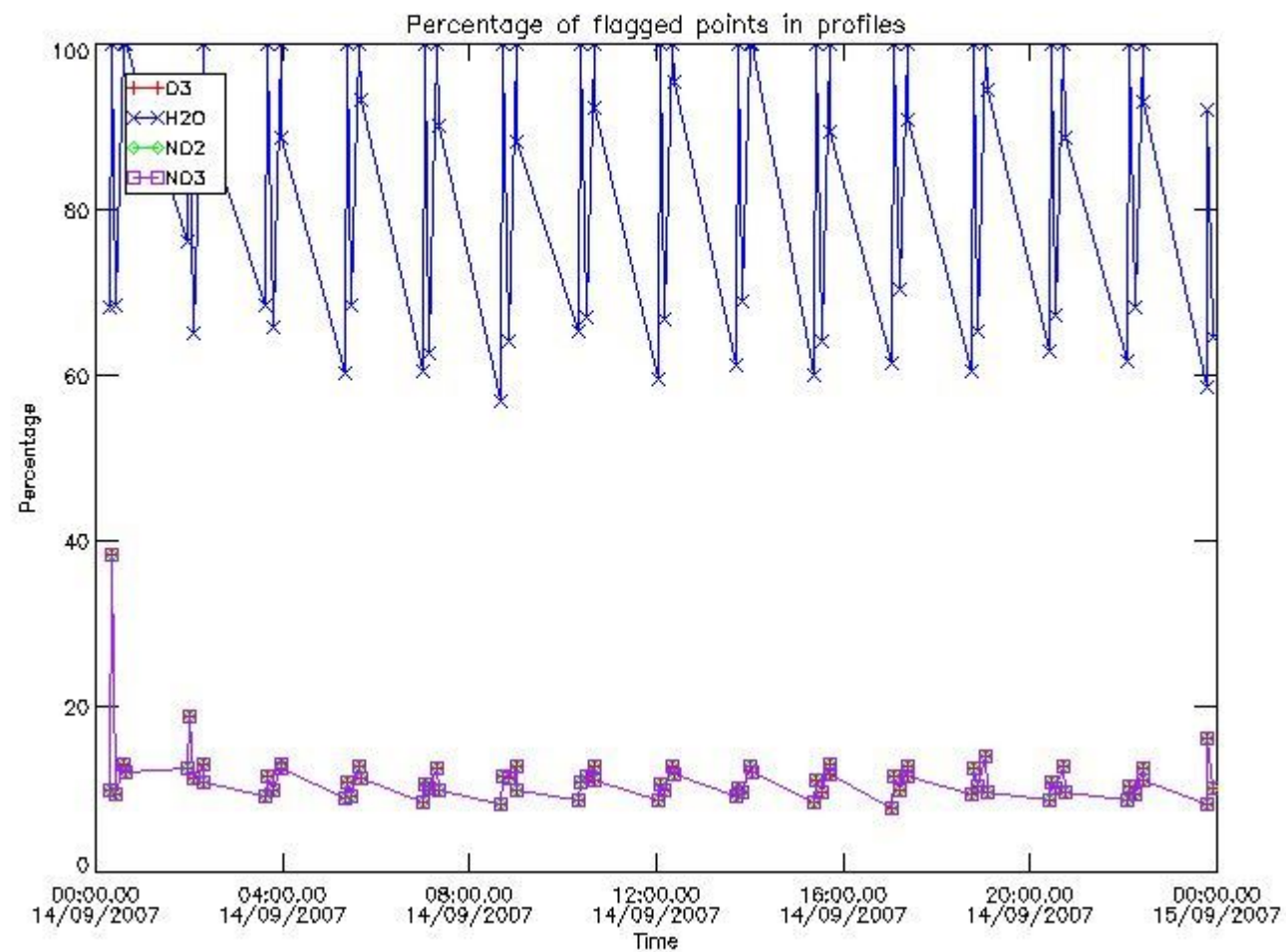


161	GOM_NL__2PRFIN20070914_221406_000000542061_00359_28970_5686.N1	14-SEP-2007 22:14:06	Dark	54.000	2	Alp Car	-0.73600	7000.0	108	28970	No
162	GOM_NL__2PRFIN20070914_222424_000000412061_00359_28970_5687.N1	14-SEP-2007 22:24:24	Dark	40.500	143	Alp Hyi	2.8570	7200.0	81	28970	No
163	GOM_NL__2PRFIN20070914_222549_000000512061_00359_28970_5688.N1	14-SEP-2007 22:25:49	Dark	51.000	9	Alp Eri	0.45300	24000.	102	28970	No
164	GOM_NL__2PRFIN20070914_223135_000000502061_00359_28970_5689.N1	14-SEP-2007 22:31:35	Straylight	50.000	84	Alp Phe	2.3970	4500.0	100	28970	No
165	GOM_NL__2PRFIN20070914_225020_000000402061_00359_28970_5690.N1	14-SEP-2007 22:50:20	Bright	39.500	90	54Alp Peg	2.4870	11000.	79	28970	No
166	GOM_NL__2PRFIN20070914_225414_000000402061_00359_28970_5691.N1	14-SEP-2007 22:54:14	Bright	39.500	93	53Bet Peg	2.5200	3100.0	79	28970	No
167	GOM_NL__2PRFIN20070914_230433_000000422061_00359_28970_5692.N1	14-SEP-2007 23:04:33	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	28970	No
168	GOM_NL__2PRFIN20070914_230624_000000422061_00359_28970_5693.N1	14-SEP-2007 23:06:24	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	28970	No
169	GOM_NL__2PRFIN20070914_232835_000000512061_00359_28970_5694.N1	14-SEP-2007 23:28:35	Bright	51.000	24	66Alp Gem	1.5800	10200.	102	28970	No
170	GOM_NL__2PRFIN20070914_233708_000000502061_00359_28970_5695.N1	14-SEP-2007 23:37:08	Twilight	50.000	8	10Alp CMi	0.40000	6500.0	100	28970	No
171	GOM_NL__2PRFIN20070914_234604_000000632061_00359_28970_5696.N1	14-SEP-2007 23:46:04	Dark	63.000	1	9Alp CMa	-1.4400	11000.	126	28970	No
172	GOM_NL__2PRFIN20070914_234822_000000442061_00359_28970_5697.N1	14-SEP-2007 23:48:22	Dark	44.000	23	21Eps CMa	1.5020	26000.	88	28970	No
173	GOM_NL__2PRFIN20070914_235442_000000502061_00360_28971_5706.N1	14-SEP-2007 23:54:42	Dark	50.000	2	Alp Car	-0.73600	7000.0	100	28971	No

### 3. Quality information per product

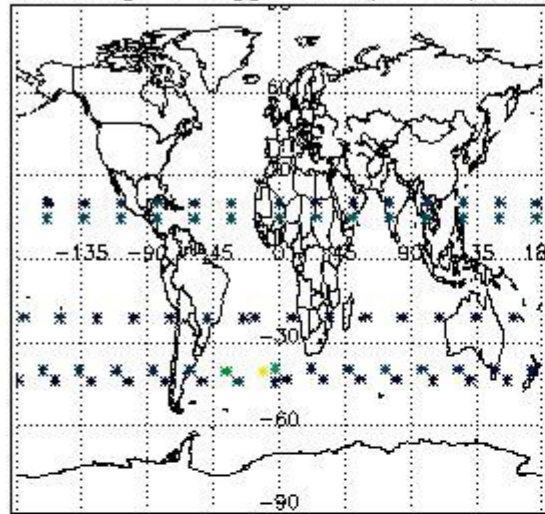
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

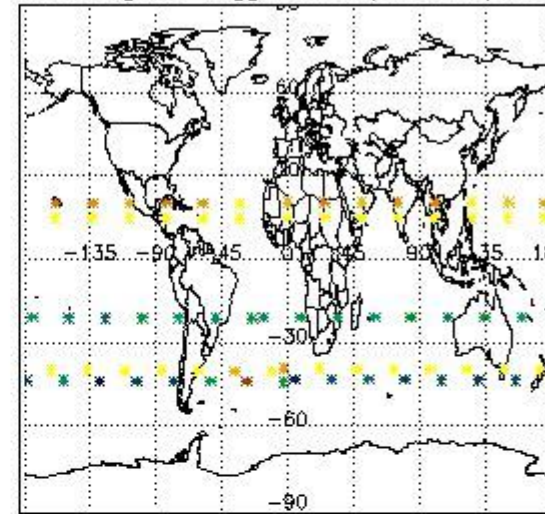


#### 3.2 Plot quality information per product (world map)

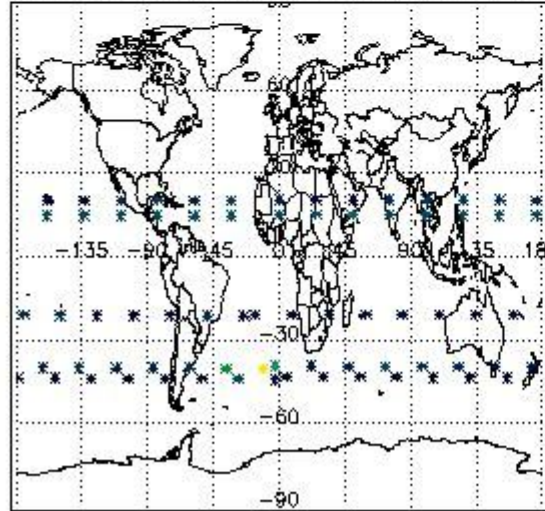
Percentage of flagged data per O3 profile



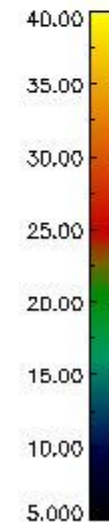
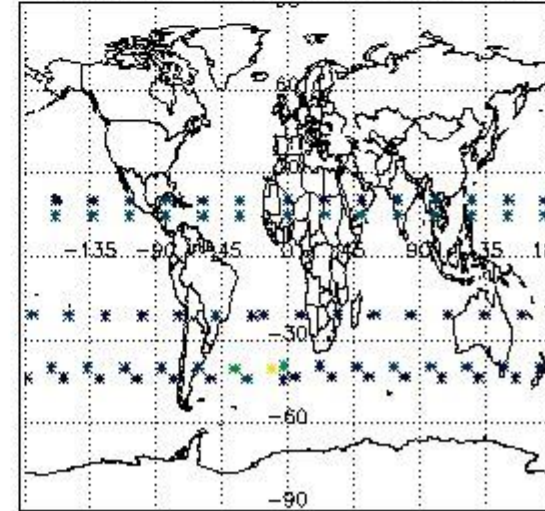
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

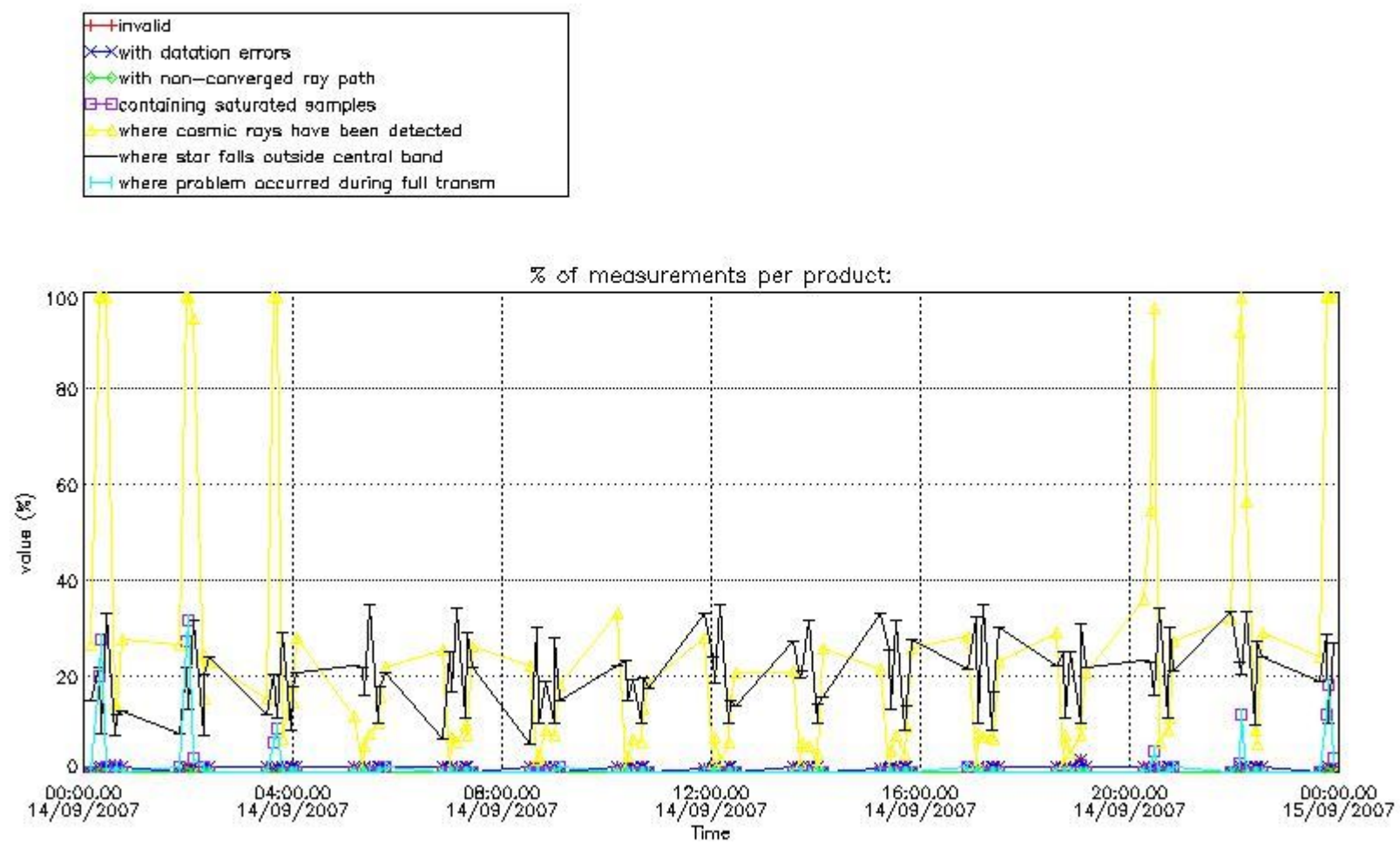


#### 4. Level 1 quality information per product

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.

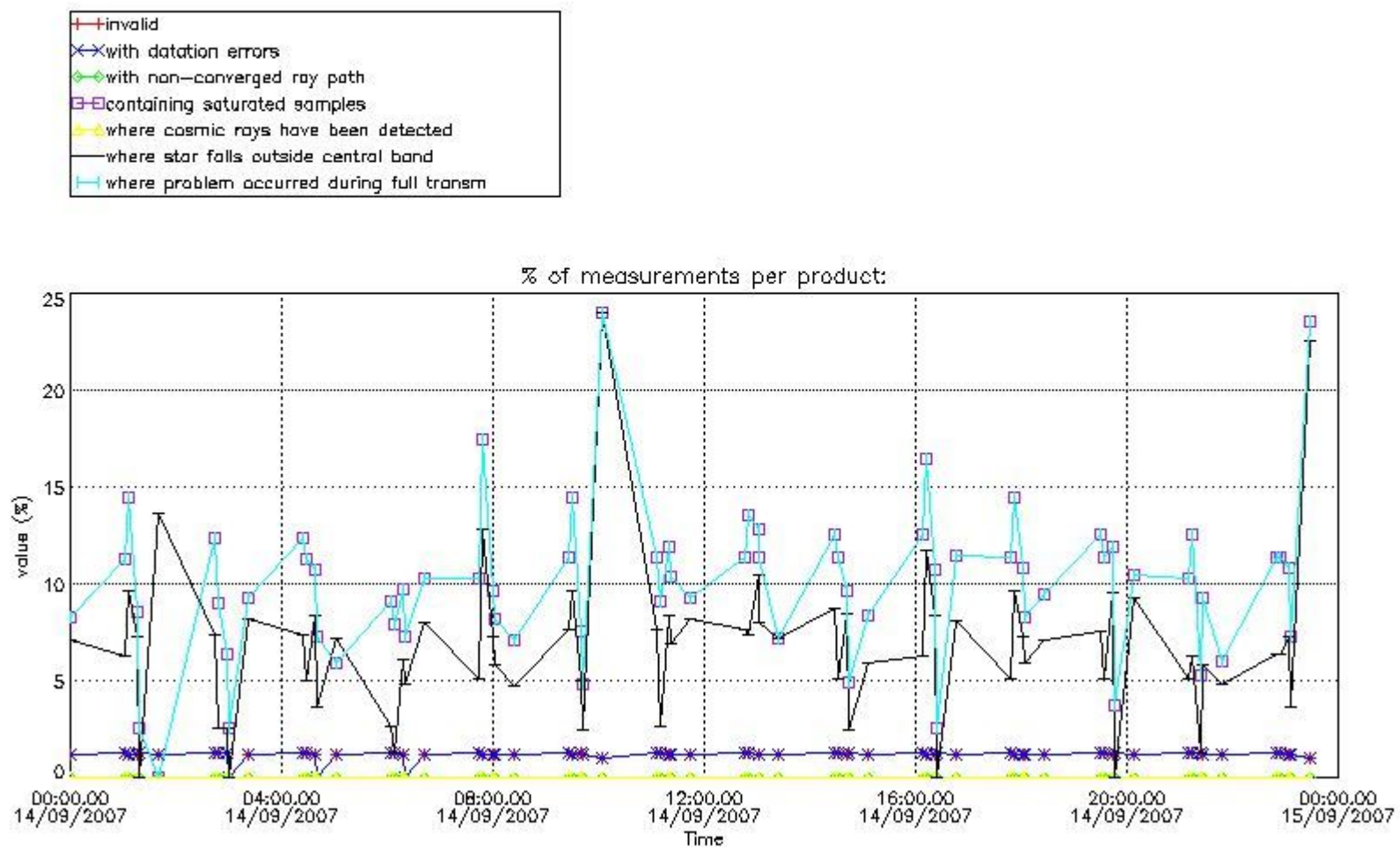
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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



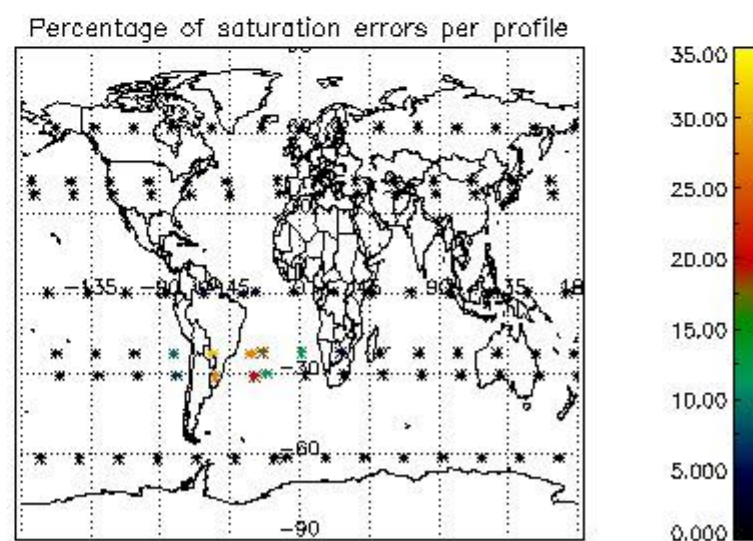
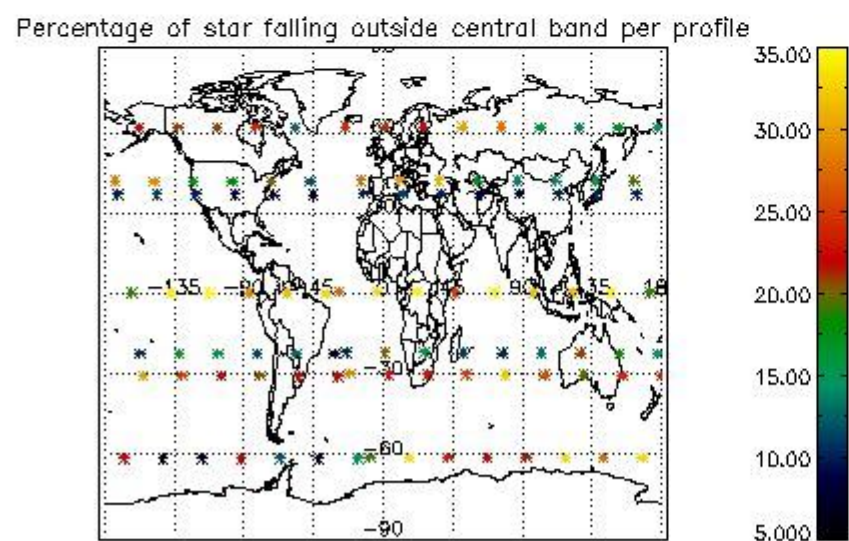
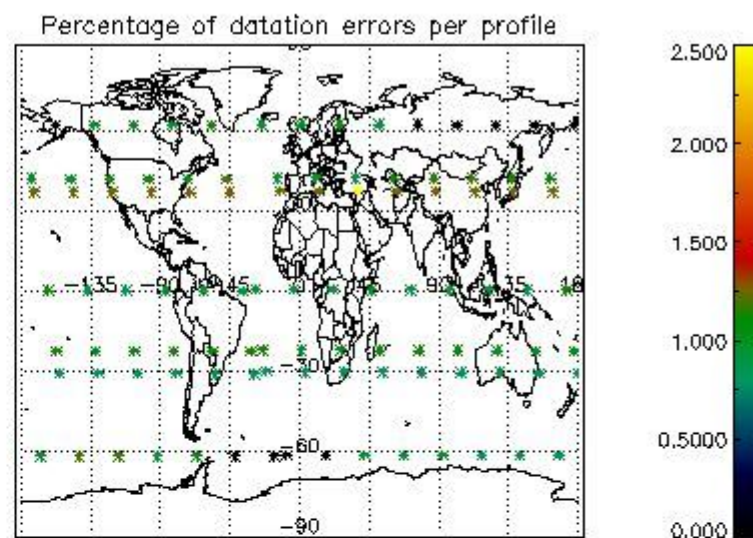
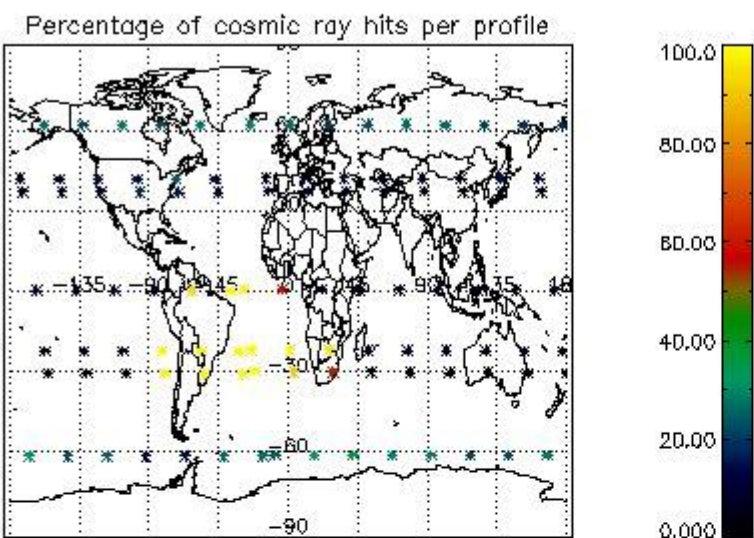
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



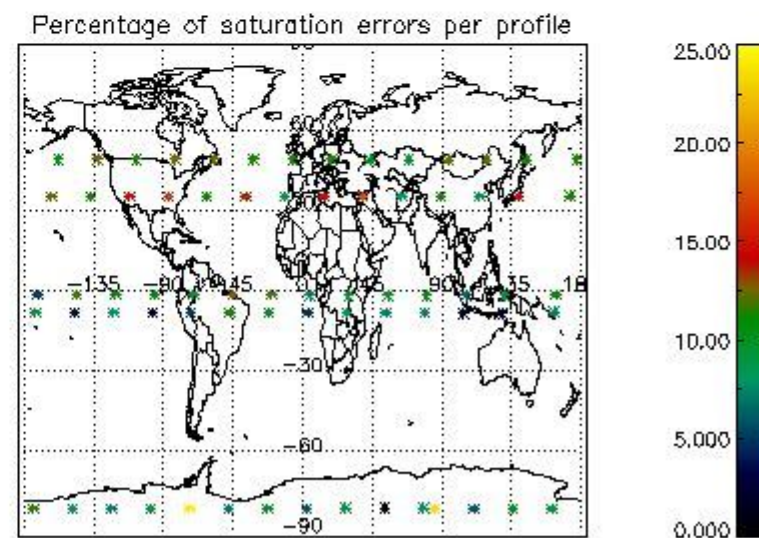
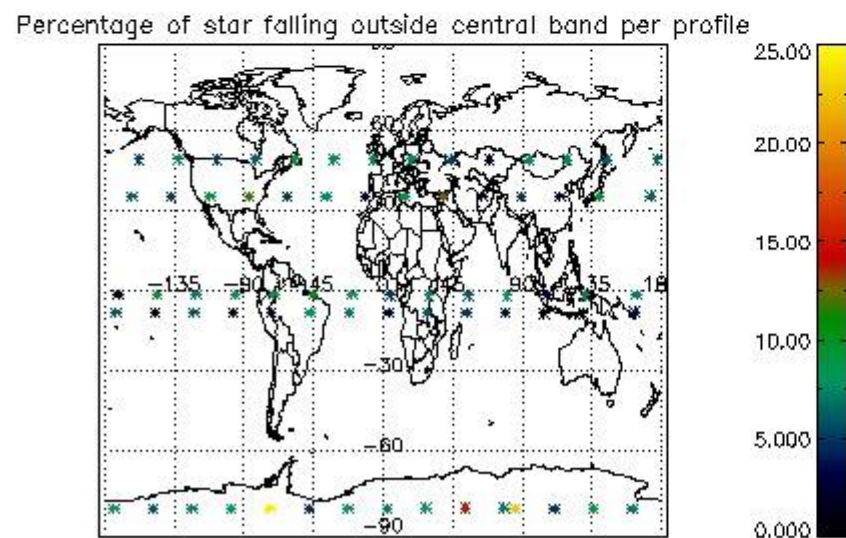
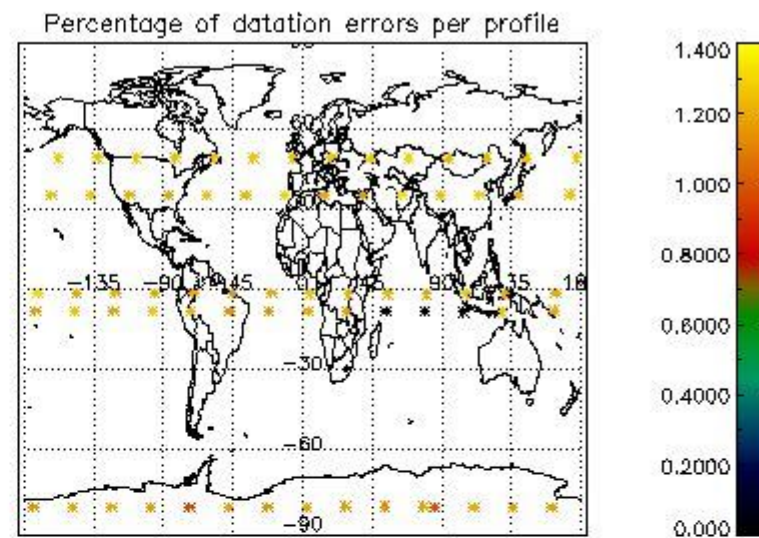
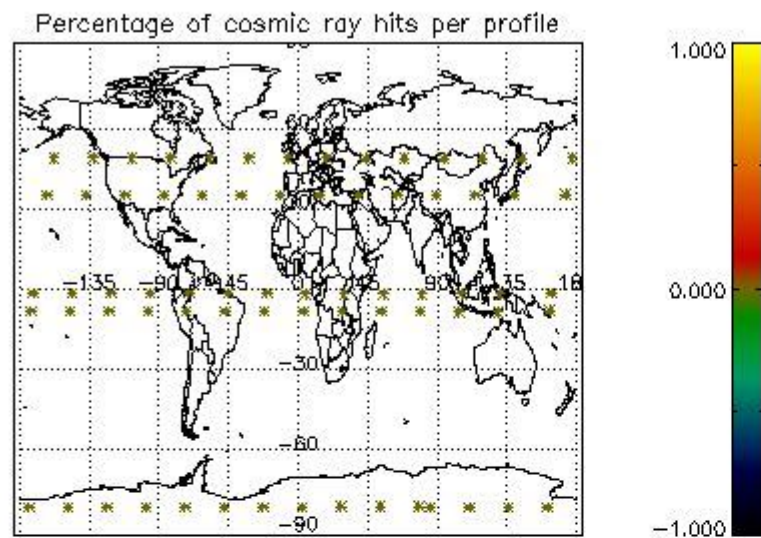


4.2 Plot quality information per product coming from level 1b processing (world map)  
 4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes





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.

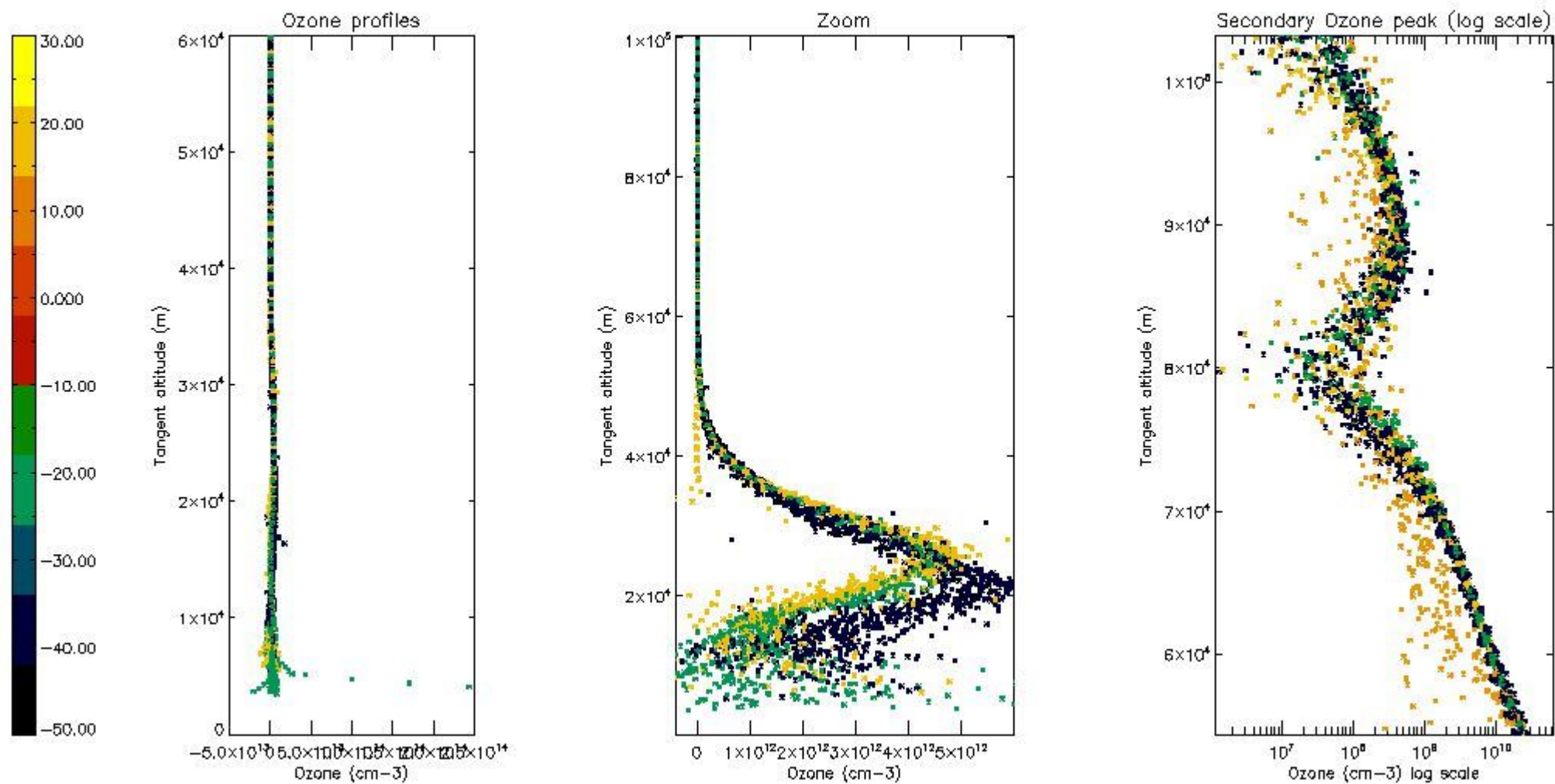
Criteria	% of total production
All STD	46
STD < 20	31



STD < 10	27
STD < 5	21

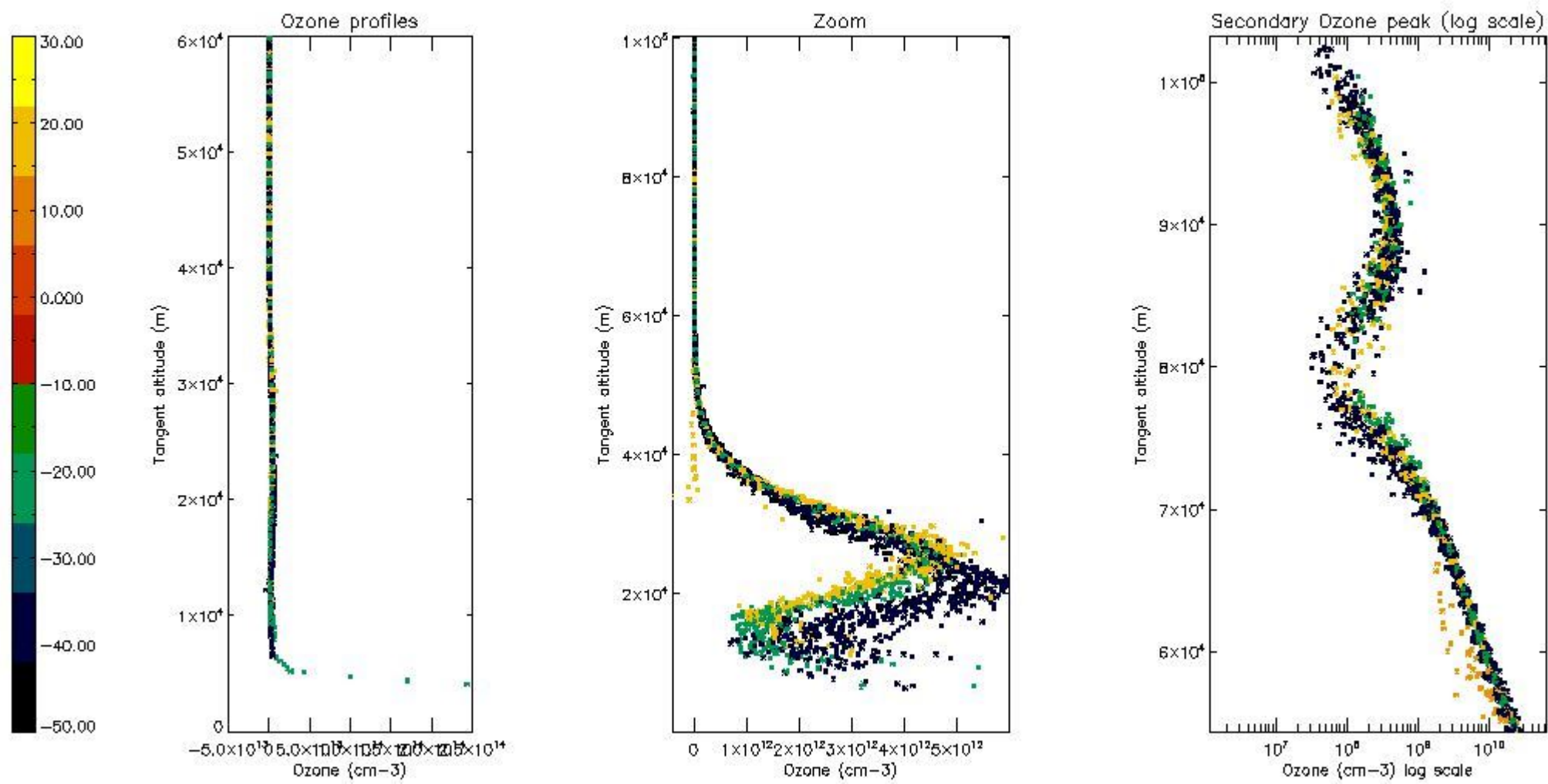
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

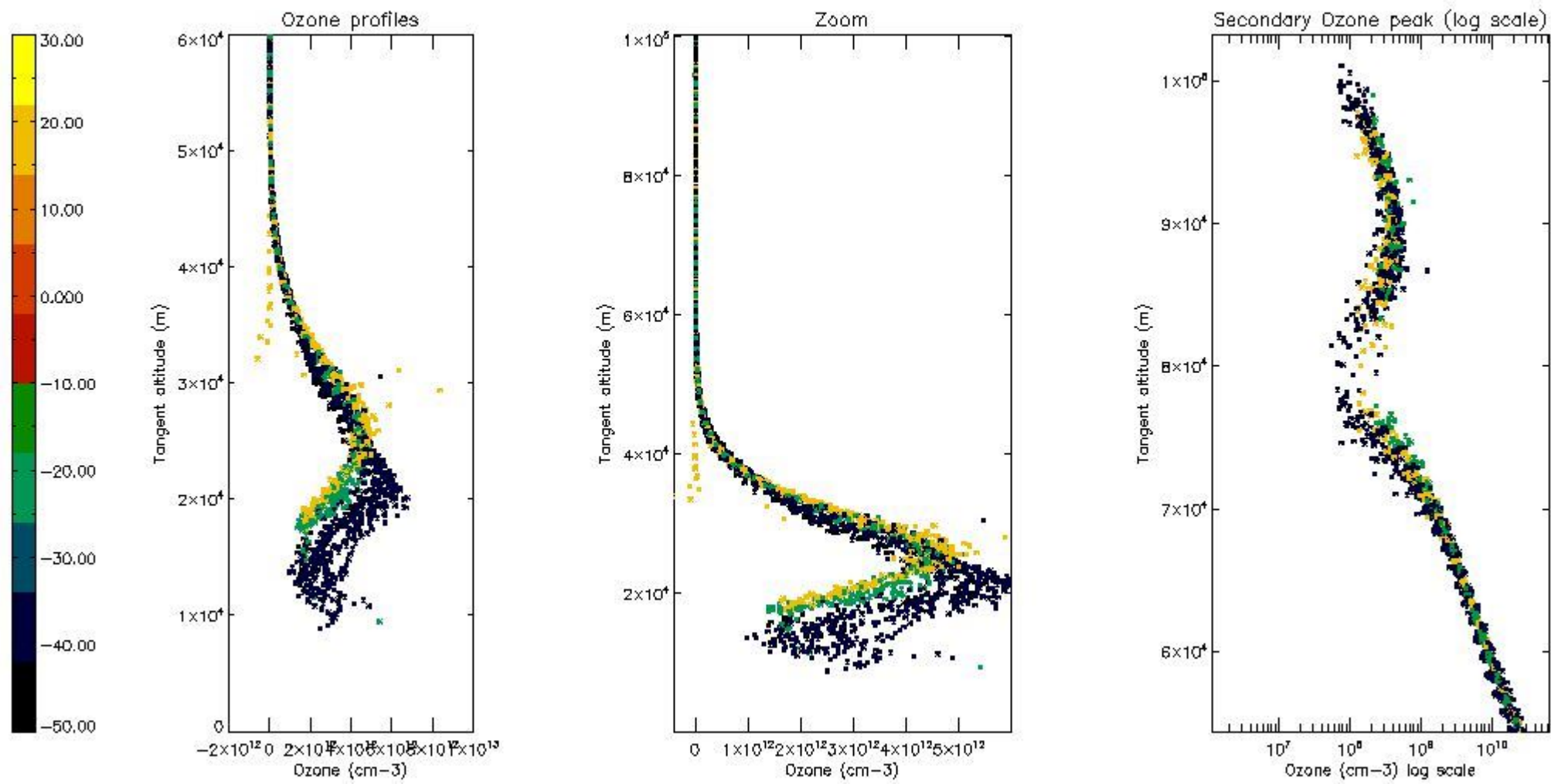
The colorbar represents the latitude.



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

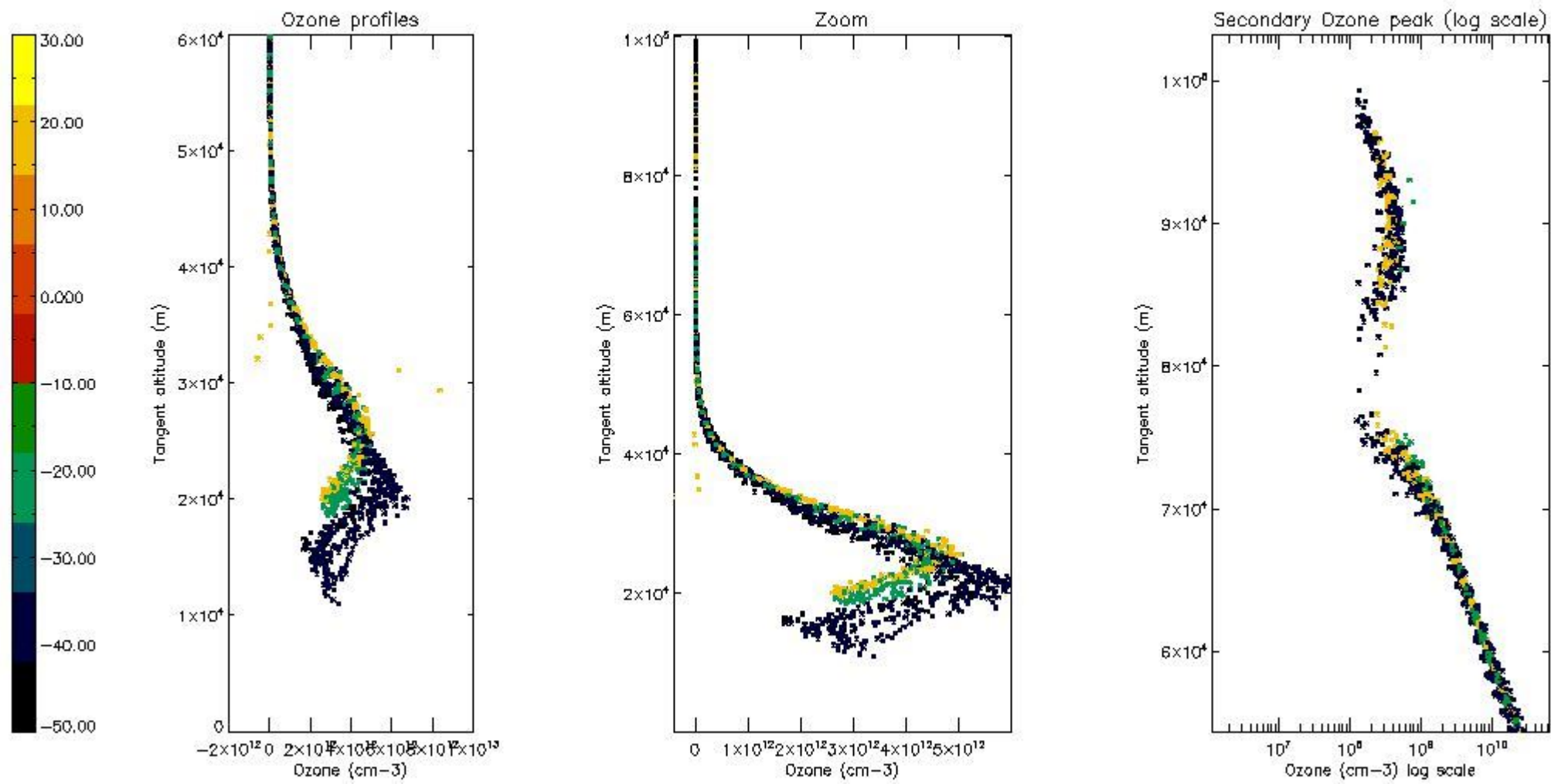
The colorbar represents the latitude.





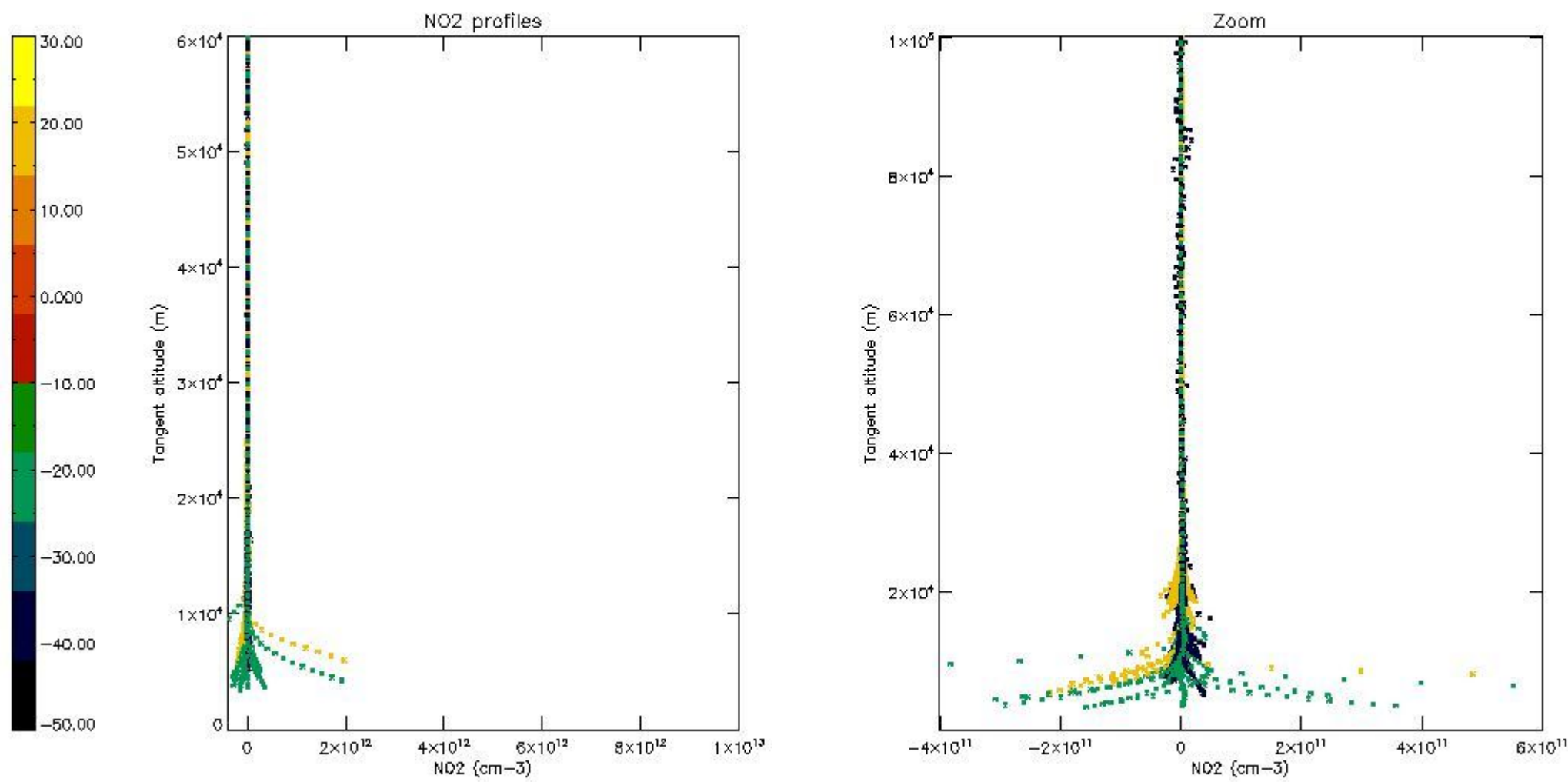
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



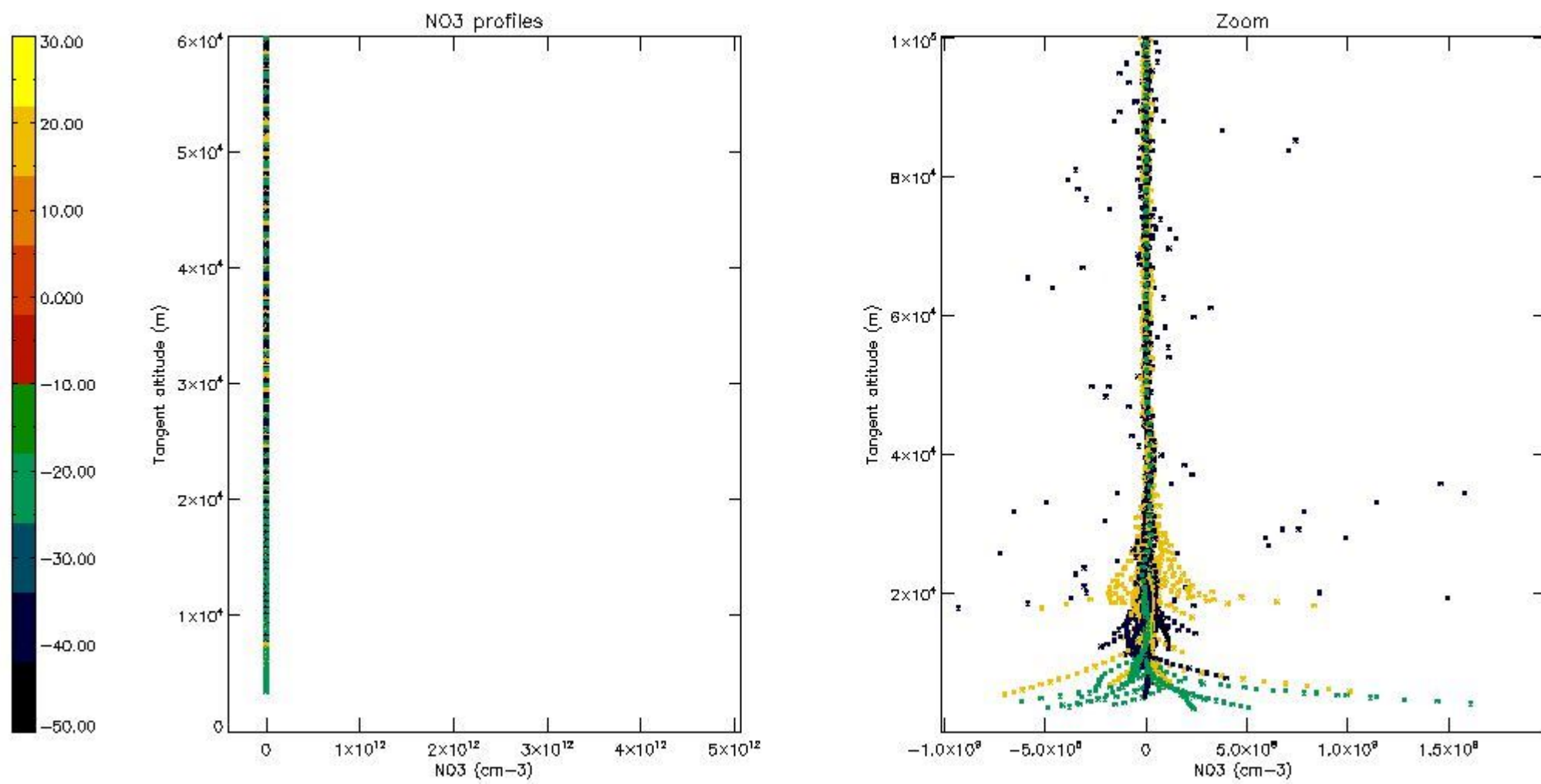
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

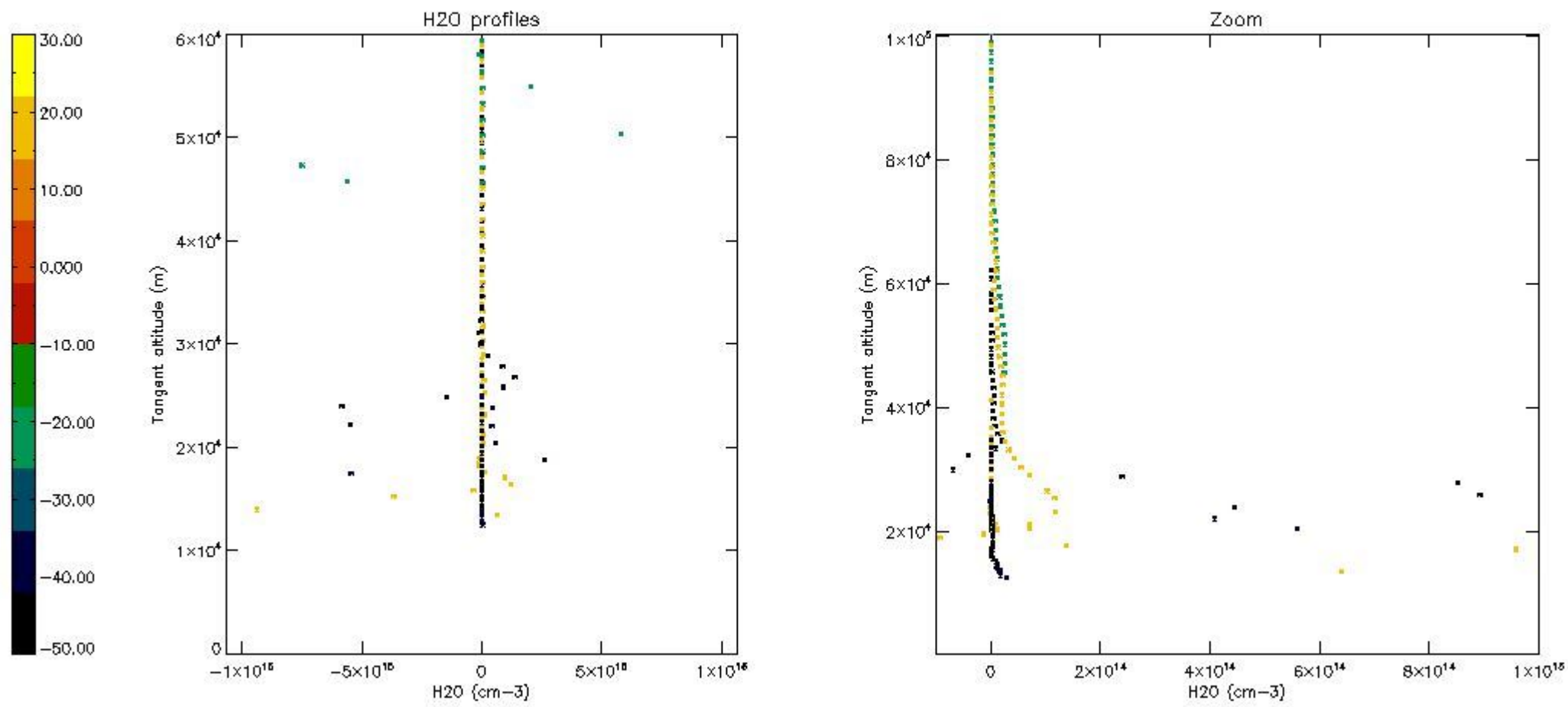
The colorbar represents the latitude.



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

The colorbar represents the latitude.





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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	14-SEP-2007 00:00:10
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	14-SEP-2007 00:00:10
CROSS_SECTIONS_FILE	GOM_CR2_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	14-SEP-2007 00:00:10

# GOMOS Level 2 Daily Report

## SUMMARY

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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](#)

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

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

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

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

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

Item	Value
Time of report generation	23APR2013 04:50:25
Data source version	GOMOS/6.01
Start time of products	14-09-2007 (14SEP2007 00:00:00)
Stop time of products	15-09-2007 (15SEP2007 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	173
Nb of prods with errors	0

## 2. Summary of processed GOM\_NL\_\_2P products.

Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20070914_000010_000000432061_00345_28956_5441.N1	14-SEP-2007 00:00:10	Bright	42.500	24	66Alp Gem	1.5800	10200.	85	28956	No
2	GOM_NL__2PRFIN20070914_000838_000000472061_00345_28956_5442.N1	14-SEP-2007 00:08:38	Twilight	47.000	8	10Alp CMi	0.40000	6500.0	94	28956	No
3	GOM_NL__2PRFIN20070914_001727_000000572061_00345_28956_5443.N1	14-SEP-2007 00:17:27	Dark	57.000	1	9Alp CMa	-1.4400	11000.	114	28956	No
4	GOM_NL__2PRFIN20070914_001948_000000442061_00345_28956_5444.N1	14-SEP-2007 00:19:48	Dark	43.500	23	21Eps CMa	1.5020	26000.	87	28956	No
5	GOM_NL__2PRFIN20070914_002611_000000552061_00346_28957_5450.N1	14-SEP-2007 00:26:11	Dark	54.500	2	Alp Car	-0.73600	7000.0	109	28957	No
6	GOM_NL__2PRFIN20070914_003631_000000392061_00346_28957_5451.N1	14-SEP-2007 00:36:31	Dark	39.000	143	Alp Hyi	2.8570	7200.0	78	28957	No
7	GOM_NL__2PRFIN20070914_003755_000000422061_00346_28957_5452.N1	14-SEP-2007 00:37:55	Dark	42.000	9	Alp Eri	0.45300	24000.	84	28957	No
8	GOM_NL__2PRFIN20070914_004342_000000442061_00346_28957_5453.N1	14-SEP-2007 00:43:42	Straylight	43.500	84	Alp Phe	2.3970	4500.0	87	28957	No
9	GOM_NL__2PRFIN20070914_010235_000000402061_00346_28957_5454.N1	14-SEP-2007 01:02:35	Bright	40.000	90	54Alp Peg	2.4870	11000.	80	28957	No
10	GOM_NL__2PRFIN20070914_010631_000000422061_00346_28957_5455.N1	14-SEP-2007 01:06:31	Bright	41.500	93	53Bet Peg	2.5200	3100.0	83	28957	No
11	GOM_NL__2PRFIN20070914_011652_000000412061_00346_28957_5456.N1	14-SEP-2007 01:16:52	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	28957	No
12	GOM_NL__2PRFIN20070914_011844_000000402061_00346_28957_5457.N1	14-SEP-2007 01:18:44	Bright	39.500	76	27Gam Cas	2.3000	30000.	79	28957	No
13	GOM_NL__2PRFIN20070914_014046_000000442061_00346_28957_5458.N1	14-SEP-2007 01:40:46	Bright	44.000	24	66Alp Gem	1.5800	10200.	88	28957	No
14	GOM_NL__2PRFIN20070914_014915_000000442061_00346_28957_5459.N1	14-SEP-2007 01:49:15	Twilight	43.500	8	10Alp CMi	0.40000	6500.0	87	28957	No
15	GOM_NL__2PRFIN20070914_015804_000000572061_00346_28957_5460.N1	14-SEP-2007 01:58:04	Dark	57.000	1	9Alp CMa	-1.4400	11000.	114	28957	No
16	GOM_NL__2PRFIN20070914_020024_000000462061_00346_28957_5461.N1	14-SEP-2007 02:00:24	Dark	46.000	23	21Eps CMa	1.5020	26000.	92	28957	No
17	GOM_NL__2PRFIN20070914_020647_000000542061_00347_28958_5481.N1	14-SEP-2007 02:06:47	Dark	53.500	2	Alp Car	-0.73600	7000.0	107	28958	No
18	GOM_NL__2PRFIN20070914_021707_000000402061_00347_28958_5482.N1	14-SEP-2007 02:17:07	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	28958	No
19	GOM_NL__2PRFIN20070914_021832_000000472061_00347_28958_5483.N1	14-SEP-2007 02:18:32	Dark	47.000	9	Alp Eri	0.45300	24000.	94	28958	No
20	GOM_NL__2PRFIN20070914_022418_000000502061_00347_28958_5484.N1	14-SEP-2007 02:24:18	Straylight	50.000	84	Alp Phe	2.3970	4500.0	100	28958	No
21	GOM_NL__2PRFIN20070914_024311_000000412061_00347_28958_5485.N1	14-SEP-2007 02:43:11	Bright	40.500	90	54Alp Peg	2.4870	11000.	81	28958	No
22	GOM_NL__2PRFIN20070914_024706_000000392061_00347_28958_5486.N1	14-SEP-2007 02:47:06	Bright	39.000	93	53Bet Peg	2.5200	3100.0	78	28958	No
23	GOM_NL__2PRFIN20070914_025728_000000402061_00347_28958_5487.N1	14-SEP-2007 02:57:28	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	28958	No
24	GOM_NL__2PRFIN20070914_025919_000000392061_00347_28958_5488.N1	14-SEP-2007 02:59:19	Bright	39.000	76	27Gam Cas	2.3000	30000.	78	28958	No
25	GOM_NL__2PRFIN20070914_032122_000000432061_00347_28958_5489.N1	14-SEP-2007 03:21:22	Bright	43.000	24	66Alp Gem	1.5800	10200.	86	28958	No
26	GOM_NL__2PRFIN20070914_032951_000000462061_00347_28958_5490.N1	14-SEP-2007 03:29:51	Twilight	46.000	8	10Alp CMi	0.40000	6500.0	92	28958	No
27	GOM_NL__2PRFIN20070914_033841_000000562061_00347_28958_5491.N1	14-SEP-2007 03:38:41	Dark	56.000	1	9Alp CMa	-1.4400	11000.	112	28958	No
28	GOM_NL__2PRFIN20070914_034101_000000452061_00347_28958_5492.N1	14-SEP-2007 03:41:01	Dark	44.500	23	21Eps CMa	1.5020	26000.	89	28958	No
29	GOM_NL__2PRFIN20070914_034724_000000522061_00348_28959_5495.N1	14-SEP-2007 03:47:24	Dark	51.500	2	Alp Car	-0.73600	7000.0	103	28959	No
30	GOM_NL__2PRFIN20070914_035744_000000402061_00348_28959_5496.N1	14-SEP-2007 03:57:44	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	28959	No
31	GOM_NL__2PRFIN20070914_035908_000000452061_00348_28959_5497.N1	14-SEP-2007 03:59:08	Dark	45.000	9	Alp Eri	0.45300	24000.	90	28959	No
32	GOM_NL__2PRFIN20070914_040455_000000482061_00348_28959_5498.N1	14-SEP-2007 04:04:55	Straylight	48.000	84	Alp Phe	2.3970	4500.0	96	28959	No
33	GOM_NL__2PRFIN20070914_042347_000000412061_00348_28959_5499.N1	14-SEP-2007 04:23:47	Bright	40.500	90	54Alp Peg	2.4870	11000.	81	28959	No
34	GOM_NL__2PRFIN20070914_042742_000000402061_00348_28959_5500.N1	14-SEP-2007 04:27:42	Bright	40.000	93	53Bet Peg	2.5200	3100.0	80	28959	No
35	GOM_NL__2PRFIN20070914_043803_000000422061_00348_28959_5501.N1	14-SEP-2007 04:38:03	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	28959	No
36	GOM_NL__2PRFIN20070914_043955_000000422061_00348_28959_5502.N1	14-SEP-2007 04:39:55	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	28959	No
37	GOM_NL__2PRFIN20070914_050158_000000422061_00348_28959_5503.N1	14-SEP-2007 05:01:58	Bright	42.000	24	66Alp Gem	1.5800	10200.	84	28959	No
38	GOM_NL__2PRFIN20070914_051027_000000522061_00348_28959_5504.N1	14-SEP-2007 05:10:27	Twilight	52.000	8	10Alp CMi	0.40000	6500.0	104	28959	No
39	GOM_NL__2PRFIN20070914_051918_000000572061_00348_28959_5505.N1	14-SEP-2007 05:19:18	Dark	57.000	1	9Alp CMa	-1.4400	11000.	114	28959	No
40	GOM_NL__2PRFIN20070914_052138_000000472061_00348_28959_5506.N1	14-SEP-2007 05:21:38	Dark	47.000	23	21Eps CMa	1.5020	26000.	94	28959	No
41	GOM_NL__2PRFIN20070914_052801_000000562061_00349_28960_5508.N1	14-SEP-2007 05:28:01	Dark	56.000	2	Alp Car	-0.73600	7000.0	112	28960	No
42	GOM_NL__2PRFIN20070914_053820_000000402061_00349_28960_5509.N1	14-SEP-2007 05:38:20	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	28960	No

43	GOM_NL__2PRFIN20070914_053945_000000452061_00349_28960_5510.N1	14-SEP-2007 05:39:45	Dark	45.000	9	Alp Eri	0.45300	24000.	90	28960	No
44	GOM_NL__2PRFIN20070914_054531_000000482061_00349_28960_5511.N1	14-SEP-2007 05:45:31	Straylight	48.000	84	Alp Phe	2.3970	4500.0	96	28960	No
45	GOM_NL__2PRFIN20070914_060423_000000392061_00349_28960_5512.N1	14-SEP-2007 06:04:23	Bright	38.500	90	54Alp Peg	2.4870	11000.	77	28960	No
46	GOM_NL__2PRFIN20070914_060818_000000382061_00349_28960_5513.N1	14-SEP-2007 06:08:18	Bright	38.000	93	53Bet Peg	2.5200	3100.0	76	28960	No
47	GOM_NL__2PRFIN20070914_061839_000000412061_00349_28960_5514.N1	14-SEP-2007 06:18:39	Bright	41.000	74	11Bet Cas	2.2680	6600.0	82	28960	No
48	GOM_NL__2PRFIN20070914_062030_000000422061_00349_28960_5515.N1	14-SEP-2007 06:20:30	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	28960	No
49	GOM_NL__2PRFIN20070914_064235_000000442061_00349_28960_5516.N1	14-SEP-2007 06:42:35	Bright	44.000	24	66Alp Gem	1.5800	10200.	88	28960	No
50	GOM_NL__2PRFIN20070914_065104_000000432061_00349_28960_5517.N1	14-SEP-2007 06:51:04	Twilight	43.000	8	10Alp CMi	0.40000	6500.0	86	28960	No
51	GOM_NL__2PRFIN20070914_065955_000000602061_00349_28960_5518.N1	14-SEP-2007 06:59:55	Dark	60.000	1	9Alp CMa	-1.4400	11000.	120	28960	No
52	GOM_NL__2PRFIN20070914_070215_000000482061_00349_28960_5519.N1	14-SEP-2007 07:02:15	Dark	48.000	23	21Eps CMa	1.5020	26000.	96	28960	No
53	GOM_NL__2PRFIN20070914_070837_000000562061_00350_28961_5527.N1	14-SEP-2007 07:08:37	Dark	55.500	2	Alp Car	-0.73600	7000.0	111	28961	No
54	GOM_NL__2PRFIN20070914_071857_000000412061_00350_28961_5528.N1	14-SEP-2007 07:18:57	Dark	40.500	143	Alp Hyi	2.8570	7200.0	81	28961	No
55	GOM_NL__2PRFIN20070914_072021_000000522061_00350_28961_5529.N1	14-SEP-2007 07:20:21	Dark	51.500	9	Alp Eri	0.45300	24000.	103	28961	No
56	GOM_NL__2PRFIN20070914_072608_000000482061_00350_28961_5530.N1	14-SEP-2007 07:26:08	Straylight	48.000	84	Alp Phe	2.3970	4500.0	96	28961	No
57	GOM_NL__2PRFIN20070914_074458_000000392061_00350_28961_5531.N1	14-SEP-2007 07:44:58	Bright	39.000	90	54Alp Peg	2.4870	11000.	78	28961	No
58	GOM_NL__2PRFIN20070914_074853_000000432061_00350_28961_5532.N1	14-SEP-2007 07:48:53	Bright	43.000	93	53Bet Peg	2.5200	3100.0	86	28961	No
59	GOM_NL__2PRFIN20070914_075914_000000422061_00350_28961_5533.N1	14-SEP-2007 07:59:14	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	28961	No
60	GOM_NL__2PRFIN20070914_080106_000000432061_00350_28961_5534.N1	14-SEP-2007 08:01:06	Bright	43.000	76	27Gam Cas	2.3000	30000.	86	28961	No
61	GOM_NL__2PRFIN20070914_082311_000000432061_00350_28961_5535.N1	14-SEP-2007 08:23:11	Bright	42.500	24	66Alp Gem	1.5800	10200.	85	28961	No
62	GOM_NL__2PRFIN20070914_083140_000000432061_00350_28961_5536.N1	14-SEP-2007 08:31:40	Twilight	42.500	8	10Alp CMi	0.40000	6500.0	85	28961	No
63	GOM_NL__2PRFIN20070914_084032_000000632061_00350_28961_5537.N1	14-SEP-2007 08:40:32	Dark	63.000	1	9Alp CMa	-1.4400	11000.	126	28961	No
64	GOM_NL__2PRFIN20070914_084251_000000442061_00350_28961_5538.N1	14-SEP-2007 08:42:51	Dark	44.000	23	21Eps CMa	1.5020	26000.	88	28961	No
65	GOM_NL__2PRFIN20070914_084914_000000452061_00351_28962_5540.N1	14-SEP-2007 08:49:14	Dark	45.000	2	Alp Car	-0.73600	7000.0	90	28962	No
66	GOM_NL__2PRFIN20070914_085933_000000402061_00351_28962_5541.N1	14-SEP-2007 08:59:33	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	28962	No
67	GOM_NL__2PRFIN20070914_090058_000000522061_00351_28962_5542.N1	14-SEP-2007 09:00:58	Dark	51.500	9	Alp Eri	0.45300	24000.	103	28962	No
68	GOM_NL__2PRFIN20070914_090644_000000442061_00351_28962_5543.N1	14-SEP-2007 09:06:44	Straylight	44.000	84	Alp Phe	2.3970	4500.0	88	28962	No
69	GOM_NL__2PRFIN20070914_092534_000000402061_00351_28962_5544.N1	14-SEP-2007 09:25:34	Bright	39.500	90	54Alp Peg	2.4870	11000.	79	28962	No
70	GOM_NL__2PRFIN20070914_092929_000000422061_00351_28962_5545.N1	14-SEP-2007 09:29:29	Bright	41.500	93	53Bet Peg	2.5200	3100.0	83	28962	No
71	GOM_NL__2PRFIN20070914_093950_000000402061_00351_28962_5546.N1	14-SEP-2007 09:39:50	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	28962	No
72	GOM_NL__2PRFIN20070914_094141_000000422061_00351_28962_5547.N1	14-SEP-2007 09:41:41	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	28962	No
73	GOM_NL__2PRFIN20070914_100347_000000522061_00351_28962_5548.N1	14-SEP-2007 10:03:47	Bright	52.000	24	66Alp Gem	1.5800	10200.	104	28962	No
74	GOM_NL__2PRFIN20070914_101217_000000522061_00351_28962_5549.N1	14-SEP-2007 10:12:17	Twilight	51.500	8	10Alp CMi	0.40000	6500.0	103	28962	No
75	GOM_NL__2PRFIN20070914_102109_000000582061_00351_28962_5550.N1	14-SEP-2007 10:21:09	Dark	58.000	1	9Alp CMa	-1.4400	11000.	116	28962	No
76	GOM_NL__2PRFIN20070914_102328_000000472061_00351_28962_5551.N1	14-SEP-2007 10:23:28	Dark	47.000	23	21Eps CMa	1.5020	26000.	94	28962	No
77	GOM_NL__2PRFIN20070914_102950_000000452061_00352_28963_5554.N1	14-SEP-2007 10:29:50	Dark	44.500	2	Alp Car	-0.73600	7000.0	89	28963	No
78	GOM_NL__2PRFIN20070914_104009_000000402061_00352_28963_5555.N1	14-SEP-2007 10:40:09	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	28963	No
79	GOM_NL__2PRFIN20070914_104134_000000462061_00352_28963_5556.N1	14-SEP-2007 10:41:34	Dark	46.000	9	Alp Eri	0.45300	24000.	92	28963	No
80	GOM_NL__2PRFIN20070914_104720_000000462061_00352_28963_5557.N1	14-SEP-2007 10:47:20	Straylight	46.000	84	Alp Phe	2.3970	4500.0	92	28963	No
81	GOM_NL__2PRFIN20070914_110610_000000402061_00352_28963_5558.N1	14-SEP-2007 11:06:10	Bright	39.500	90	54Alp Peg	2.4870	11000.	79	28963	No
82	GOM_NL__2PRFIN20070914_111004_000000392061_00352_28963_5559.N1	14-SEP-2007 11:10:04	Bright	38.500	93	53Bet Peg	2.5200	3100.0	77	28963	No
83	GOM_NL__2PRFIN20070914_112025_000000422061_00352_28963_5560.N1	14-SEP-2007 11:20:25	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	28963	No
84	GOM_NL__2PRFIN20070914_112216_000000442061_00352_28963_5561.N1	14-SEP-2007 11:22:16	Bright	43.500	76	27Gam Cas	2.3000	30000.	87	28963	No
85	GOM_NL__2PRFIN20070914_114423_000000432061_00352_28963_5562.N1	14-SEP-2007 11:44:23	Bright	43.000	24	66Alp Gem	1.5800	10200.	86	28963	No
86	GOM_NL__2PRFIN20070914_115253_000000612061_00352_28963_5563.N1	14-SEP-2007 11:52:53	Twilight	60.500	8	10Alp CMi	0.40000	6500.0	121	28963	No
87	GOM_NL__2PRFIN20070914_120146_000000592061_00352_28963_5564.N1	14-SEP-2007 12:01:46	Dark	58.500	1	9Alp CMa	-1.4400	11000.	117	28963	No
88	GOM_NL__2PRFIN20070914_120405_000000492061_00352_28963_5565.N1	14-SEP-2007 12:04:05	Dark	48.500	23	21Eps CMa	1.5020	26000.	97	28963	No
89	GOM_NL__2PRFIN20070914_121027_000000562061_00353_28964_5566.N1	14-SEP-2007 12:10:27	Dark	56.000	2	Alp Car	-0.73600	7000.0	112	28964	No
90	GOM_NL__2PRFIN20070914_122046_000000402061_00353_28964_5567.N1	14-SEP-2007 12:20:46	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	28964	No
91	GOM_NL__2PRFIN20070914_122210_000000442061_00353_28964_5568.N1	14-SEP-2007 12:22:10	Dark	43.500	9	Alp Eri	0.45300	24000.	87	28964	No
92	GOM_NL__2PRFIN20070914_122757_000000442061_00353_28964_5569.N1	14-SEP-2007 12:27:57	Straylight	43.500	84	Alp Phe	2.3970	4500.0	87	28964	No
93	GOM_NL__2PRFIN20070914_124645_000000402061_00353_28964_5570.N1	14-SEP-2007 12:46:45	Bright	39.500	90	54Alp Peg	2.4870	11000.	79	28964	No
94	GOM_NL__2PRFIN20070914_125040_000000412061_00353_28964_5571.N1	14-SEP-2007 12:50:40	Bright	40.500	93	53Bet Peg	2.5200	3100.0	81	28964	No
95	GOM_NL__2PRFIN20070914_130101_000000432061_00353_28964_5572.N1	14-SEP-2007 13:01:01	Bright	43.000	74	11Bet Cas	2.2680	6600.0	86	28964	No
96	GOM_NL__2PRFIN20070914_130252_000000442061_00353_28964_5573.N1	14-SEP-2007 13:02:52	Bright	44.000	76	27Gam Cas	2.3000	30000.	88	28964	No
97	GOM_NL__2PRFIN20070914_132459_000000422061_00353_28964_5574.N1	14-SEP-2007 13:24:59	Bright	42.000	24	66Alp Gem	1.5800	10200.	84	28964	No
98	GOM_NL__2PRFIN20070914_133330_000000552061_00353_28964_5575.N1	14-SEP-2007 13:33:30	Twilight	55.000	8	10Alp CMi	0.40000	6500.0	110	28964	No
99	GOM_NL__2PRFIN20070914_134223_000000562061_00353_28964_5576.N1	14-SEP-2007 13:42:23	Dark	56.000	1	9Alp CMa	-1.4400	11000.	112	28964	No
100	GOM_NL__2PRFIN20070914_134441_000000502061_00353_28964_5577.N1	14-SEP-2007 13:44:41	Dark	50.000	23	21Eps CMa	1.5020	26000.	100	28964	No
101	GOM_NL__2PRFIN20070914_135103_000000542061_00354_28965_5577.N1	14-SEP-2007 13:51:03	Dark	53.500	2	Alp Car	-0.73600	7000.0	107	28965	No



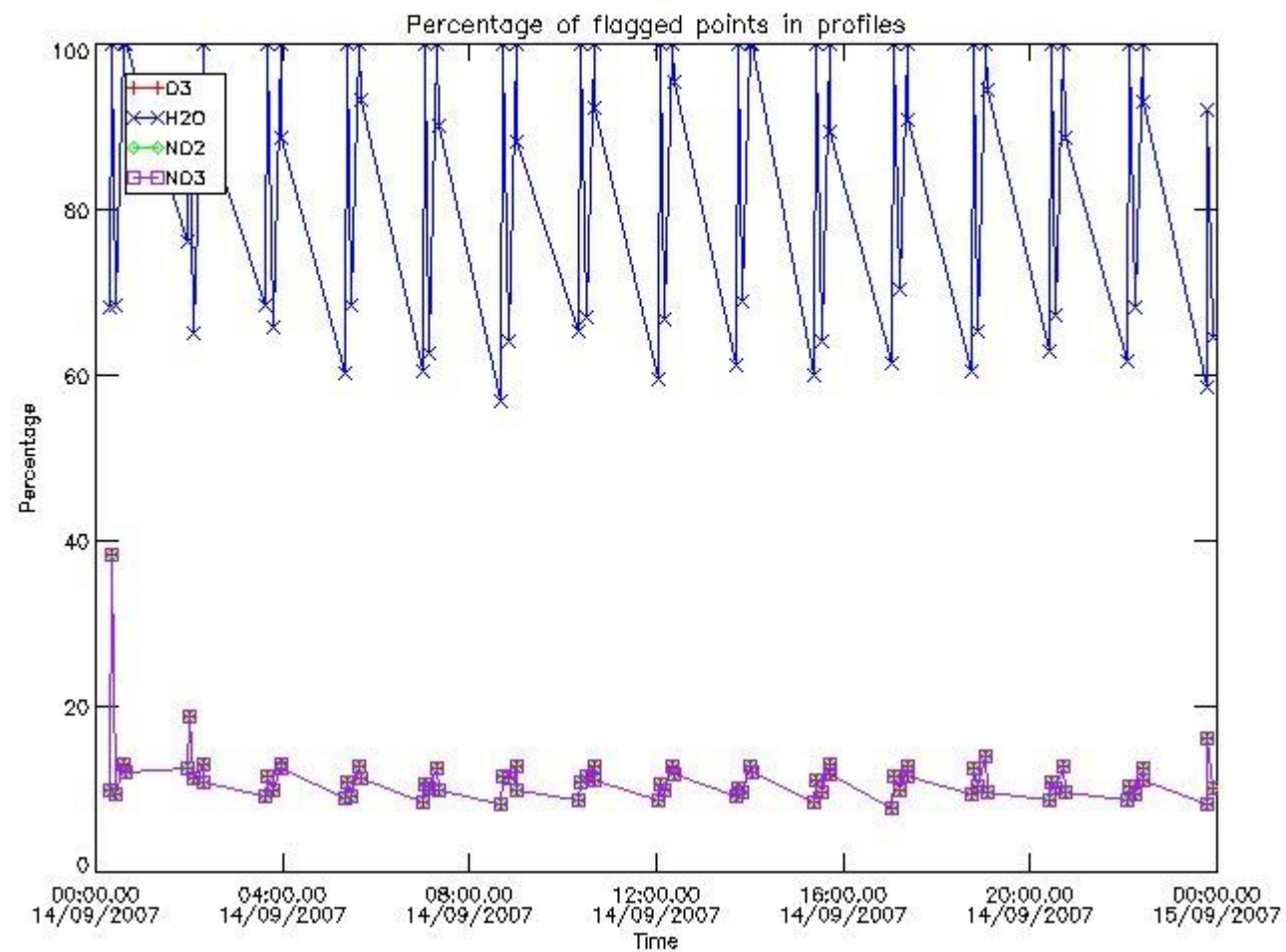
102	GOM_NL__2PRFIN20070914_140122_000000402061_00354_28965_5578.N1	14-SEP-2007 14:01:22	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	28965	No
103	GOM_NL__2PRFIN20070914_140247_000000432061_00354_28965_5579.N1	14-SEP-2007 14:02:47	Dark	42.500	9	Alp Eri	0.45300	24000.	85	28965	No
104	GOM_NL__2PRFIN20070914_140833_000000452061_00354_28965_5580.N1	14-SEP-2007 14:08:33	Straylight	44.500	84	Alp Phe	2.3970	4500.0	89	28965	No
105	GOM_NL__2PRFIN20070914_142721_000000402061_00354_28965_5581.N1	14-SEP-2007 14:27:21	Bright	40.000	90	54Alp Peg	2.4870	11000.	80	28965	No
106	GOM_NL__2PRFIN20070914_143116_000000402061_00354_28965_5582.N1	14-SEP-2007 14:31:16	Bright	39.500	93	53Bet Peg	2.5200	3100.0	79	28965	No
107	GOM_NL__2PRFIN20070914_144136_000000422061_00354_28965_5583.N1	14-SEP-2007 14:41:36	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	28965	No
108	GOM_NL__2PRFIN20070914_144327_000000412061_00354_28965_5584.N1	14-SEP-2007 14:43:27	Bright	40.500	76	27Gam Cas	2.3000	30000.	81	28965	No
109	GOM_NL__2PRFIN20070914_150535_000000422061_00354_28965_5585.N1	14-SEP-2007 15:05:35	Bright	42.000	24	66Alp Gem	1.5800	10200.	84	28965	No
110	GOM_NL__2PRFIN20070914_151406_000000612061_00354_28965_5586.N1	14-SEP-2007 15:14:06	Twilight	60.500	8	10Alp CMi	0.40000	6500.0	121	28965	No
111	GOM_NL__2PRFIN20070914_152300_000000612061_00354_28965_5587.N1	14-SEP-2007 15:23:00	Dark	60.500	1	9Alp CMa	-1.4400	11000.	121	28965	No
112	GOM_NL__2PRFIN20070914_152518_000000462061_00354_28965_5588.N1	14-SEP-2007 15:25:18	Dark	46.000	23	21Eps CMa	1.5020	26000.	92	28965	No
113	GOM_NL__2PRFIN20070914_153140_000000542061_00355_28966_5603.N1	14-SEP-2007 15:31:40	Dark	53.500	2	Alp Car	-0.73600	7000.0	107	28966	No
114	GOM_NL__2PRFIN20070914_154158_000000402061_00355_28966_5604.N1	14-SEP-2007 15:41:58	Dark	39.500	143	Alp Hyi	2.8570	7200.0	79	28966	No
115	GOM_NL__2PRFIN20070914_154323_000000432061_00355_28966_5605.N1	14-SEP-2007 15:43:23	Dark	43.000	9	Alp Eri	0.45300	24000.	86	28966	No
116	GOM_NL__2PRFIN20070914_154909_000000532061_00355_28966_5606.N1	14-SEP-2007 15:49:09	Straylight	52.500	84	Alp Phe	2.3970	4500.0	105	28966	No
117	GOM_NL__2PRFIN20070914_160757_000000402061_00355_28966_5607.N1	14-SEP-2007 16:07:57	Bright	40.000	90	54Alp Peg	2.4870	11000.	80	28966	No
118	GOM_NL__2PRFIN20070914_161151_000000432061_00355_28966_5608.N1	14-SEP-2007 16:11:51	Bright	42.500	93	53Bet Peg	2.5200	3100.0	85	28966	No
119	GOM_NL__2PRFIN20070914_162212_000000422061_00355_28966_5609.N1	14-SEP-2007 16:22:12	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	28966	No
120	GOM_NL__2PRFIN20070914_162402_000000402061_00355_28966_5610.N1	14-SEP-2007 16:24:02	Bright	39.500	76	27Gam Cas	2.3000	30000.	79	28966	No
121	GOM_NL__2PRFIN20070914_164611_000000442061_00355_28966_5611.N1	14-SEP-2007 16:46:11	Bright	43.500	24	66Alp Gem	1.5800	10200.	87	28966	No
122	GOM_NL__2PRFIN20070914_165442_000000512061_00355_28966_5612.N1	14-SEP-2007 16:54:42	Twilight	51.000	8	10Alp CMi	0.40000	6500.0	102	28966	No
123	GOM_NL__2PRFIN20070914_170337_000000672061_00355_28966_5613.N1	14-SEP-2007 17:03:37	Dark	66.500	1	9Alp CMa	-1.4400	11000.	133	28966	No
124	GOM_NL__2PRFIN20070914_170555_000000442061_00355_28966_5614.N1	14-SEP-2007 17:05:55	Dark	44.000	23	21Eps CMa	1.5020	26000.	88	28966	No
125	GOM_NL__2PRFIN20070914_171216_000000562061_00356_28967_5624.N1	14-SEP-2007 17:12:16	Dark	56.000	2	Alp Car	-0.73600	7000.0	112	28967	No
126	GOM_NL__2PRFIN20070914_172235_000000402061_00356_28967_5625.N1	14-SEP-2007 17:22:35	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	28967	No
127	GOM_NL__2PRFIN20070914_172400_000000452061_00356_28967_5626.N1	14-SEP-2007 17:24:00	Dark	44.500	9	Alp Eri	0.45300	24000.	89	28967	No
128	GOM_NL__2PRFIN20070914_172946_000000552061_00356_28967_5627.N1	14-SEP-2007 17:29:46	Straylight	54.500	84	Alp Phe	2.3970	4500.0	109	28967	No
129	GOM_NL__2PRFIN20070914_174833_000000402061_00356_28967_5628.N1	14-SEP-2007 17:48:33	Bright	39.500	90	54Alp Peg	2.4870	11000.	79	28967	No
130	GOM_NL__2PRFIN20070914_175227_000000422061_00356_28967_5629.N1	14-SEP-2007 17:52:27	Bright	41.500	93	53Bet Peg	2.5200	3100.0	83	28967	No
131	GOM_NL__2PRFIN20070914_180247_000000422061_00356_28967_5630.N1	14-SEP-2007 18:02:47	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	28967	No
132	GOM_NL__2PRFIN20070914_180438_000000432061_00356_28967_5631.N1	14-SEP-2007 18:04:38	Bright	42.500	76	27Gam Cas	2.3000	30000.	85	28967	No
133	GOM_NL__2PRFIN20070914_182647_000000432061_00356_28967_5632.N1	14-SEP-2007 18:26:47	Bright	42.500	24	66Alp Gem	1.5800	10200.	85	28967	No
134	GOM_NL__2PRFIN20070914_183519_000000522061_00356_28967_5633.N1	14-SEP-2007 18:35:19	Twilight	51.500	8	10Alp CMi	0.40000	6500.0	103	28967	No
135	GOM_NL__2PRFIN20070914_184414_000000602061_00356_28967_5634.N1	14-SEP-2007 18:44:14	Dark	60.000	1	9Alp CMa	-1.4400	11000.	120	28967	No
136	GOM_NL__2PRFIN20070914_184632_000000452061_00356_28967_5635.N1	14-SEP-2007 18:46:32	Dark	45.000	23	21Eps CMa	1.5020	26000.	90	28967	No
137	GOM_NL__2PRFIN20070914_185253_000000502061_00357_28968_5659.N1	14-SEP-2007 18:52:53	Dark	49.500	2	Alp Car	-0.73600	7000.0	99	28968	No
138	GOM_NL__2PRFIN20070914_190312_000000402061_00357_28968_5660.N1	14-SEP-2007 19:03:12	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	28968	No
139	GOM_NL__2PRFIN20070914_190436_000000542061_00357_28968_5661.N1	14-SEP-2007 19:04:36	Dark	53.500	9	Alp Eri	0.45300	24000.	107	28968	No
140	GOM_NL__2PRFIN20070914_191022_000000492061_00357_28968_5662.N1	14-SEP-2007 19:10:22	Straylight	48.500	84	Alp Phe	2.3970	4500.0	97	28968	No
141	GOM_NL__2PRFIN20070914_192908_000000402061_00357_28968_5663.N1	14-SEP-2007 19:29:08	Bright	40.000	90	54Alp Peg	2.4870	11000.	80	28968	No
142	GOM_NL__2PRFIN20070914_193303_000000402061_00357_28968_5664.N1	14-SEP-2007 19:33:03	Bright	39.500	93	53Bet Peg	2.5200	3100.0	79	28968	No
143	GOM_NL__2PRFIN20070914_194323_000000422061_00357_28968_5665.N1	14-SEP-2007 19:43:23	Bright	42.000	74	11Bet Cas	2.2680	6600.0	84	28968	No
144	GOM_NL__2PRFIN20070914_194513_000000402061_00357_28968_5666.N1	14-SEP-2007 19:45:13	Bright	40.000	76	27Gam Cas	2.3000	30000.	80	28968	No
145	GOM_NL__2PRFIN20070914_200723_000000432061_00357_28968_5667.N1	14-SEP-2007 20:07:23	Bright	43.000	24	66Alp Gem	1.5800	10200.	86	28968	No
146	GOM_NL__2PRFIN20070914_201555_000000522061_00357_28968_5668.N1	14-SEP-2007 20:15:55	Twilight	51.500	8	10Alp CMi	0.40000	6500.0	103	28968	No
147	GOM_NL__2PRFIN20070914_202451_000000592061_00357_28968_5669.N1	14-SEP-2007 20:24:51	Dark	58.500	1	9Alp CMa	-1.4400	11000.	117	28968	No
148	GOM_NL__2PRFIN20070914_202708_000000472061_00357_28968_5670.N1	14-SEP-2007 20:27:08	Dark	47.000	23	21Eps CMa	1.5020	26000.	94	28968	No
149	GOM_NL__2PRFIN20070914_203329_000000562061_00358_28969_5676.N1	14-SEP-2007 20:33:29	Dark	55.500	2	Alp Car	-0.73600	7000.0	111	28969	No
150	GOM_NL__2PRFIN20070914_204348_000000402061_00358_28969_5677.N1	14-SEP-2007 20:43:48	Dark	40.000	143	Alp Hyi	2.8570	7200.0	80	28969	No
151	GOM_NL__2PRFIN20070914_204513_000000532061_00358_28969_5678.N1	14-SEP-2007 20:45:13	Dark	53.000	9	Alp Eri	0.45300	24000.	106	28969	No
152	GOM_NL__2PRFIN20070914_205059_000000482061_00358_28969_5679.N1	14-SEP-2007 20:50:59	Straylight	47.500	84	Alp Phe	2.3970	4500.0	95	28969	No
153	GOM_NL__2PRFIN20070914_210944_000000392061_00358_28969_5680.N1	14-SEP-2007 21:09:44	Bright	39.000	90	54Alp Peg	2.4870	11000.	78	28969	No
154	GOM_NL__2PRFIN20070914_211338_000000402061_00358_28969_5681.N1	14-SEP-2007 21:13:38	Bright	40.000	93	53Bet Peg	2.5200	3100.0	80	28969	No
155	GOM_NL__2PRFIN20070914_212358_000000382061_00358_28969_5682.N1	14-SEP-2007 21:23:58	Bright	38.000	74	11Bet Cas	2.2680	6600.0	76	28969	No
156	GOM_NL__2PRFIN20070914_212548_000000432061_00358_28969_5683.N1	14-SEP-2007 21:25:48	Bright	43.000	76	27Gam Cas	2.3000	30000.	86	28969	No
157	GOM_NL__2PRFIN20070914_214759_000000422061_00358_28969_5684.N1	14-SEP-2007 21:47:59	Bright	41.500	24	66Alp Gem	1.5800	10200.	83	28969	No
158	GOM_NL__2PRFIN20070914_215632_000000602061_00358_28969_5685.N1	14-SEP-2007 21:56:32	Twilight	59.500	8	10Alp CMi	0.40000	6500.0	119	28969	No
159	GOM_NL__2PRFIN20070914_220527_000000592061_00358_28969_5686.N1	14-SEP-2007 22:05:27	Dark	59.000	1	9Alp CMa	-1.4400	11000.	118	28969	No
160	GOM_NL__2PRFIN20070914_220745_000000502061_00358_28969_5687.N1	14-SEP-2007 22:07:45	Dark	49.500	23	21Eps CMa	1.5020	26000.	99	28969	No

161	GOM_NL__2PRFIN20070914_221406_000000542061_00359_28970_5686.N1	14-SEP-2007 22:14:06	Dark	54.000	2	Alp Car	-0.73600	7000.0	108	28970	No
162	GOM_NL__2PRFIN20070914_222424_000000412061_00359_28970_5687.N1	14-SEP-2007 22:24:24	Dark	40.500	143	Alp Hyi	2.8570	7200.0	81	28970	No
163	GOM_NL__2PRFIN20070914_222549_000000512061_00359_28970_5688.N1	14-SEP-2007 22:25:49	Dark	51.000	9	Alp Eri	0.45300	24000.	102	28970	No
164	GOM_NL__2PRFIN20070914_223135_000000502061_00359_28970_5689.N1	14-SEP-2007 22:31:35	Straylight	50.000	84	Alp Phe	2.3970	4500.0	100	28970	No
165	GOM_NL__2PRFIN20070914_225020_000000402061_00359_28970_5690.N1	14-SEP-2007 22:50:20	Bright	39.500	90	54Alp Peg	2.4870	11000.	79	28970	No
166	GOM_NL__2PRFIN20070914_225414_000000402061_00359_28970_5691.N1	14-SEP-2007 22:54:14	Bright	39.500	93	53Bet Peg	2.5200	3100.0	79	28970	No
167	GOM_NL__2PRFIN20070914_230433_000000422061_00359_28970_5692.N1	14-SEP-2007 23:04:33	Bright	41.500	74	11Bet Cas	2.2680	6600.0	83	28970	No
168	GOM_NL__2PRFIN20070914_230624_000000422061_00359_28970_5693.N1	14-SEP-2007 23:06:24	Bright	41.500	76	27Gam Cas	2.3000	30000.	83	28970	No
169	GOM_NL__2PRFIN20070914_232835_000000512061_00359_28970_5694.N1	14-SEP-2007 23:28:35	Bright	51.000	24	66Alp Gem	1.5800	10200.	102	28970	No
170	GOM_NL__2PRFIN20070914_233708_000000502061_00359_28970_5695.N1	14-SEP-2007 23:37:08	Twilight	50.000	8	10Alp CMi	0.40000	6500.0	100	28970	No
171	GOM_NL__2PRFIN20070914_234604_000000632061_00359_28970_5696.N1	14-SEP-2007 23:46:04	Dark	63.000	1	9Alp CMa	-1.4400	11000.	126	28970	No
172	GOM_NL__2PRFIN20070914_234822_000000442061_00359_28970_5697.N1	14-SEP-2007 23:48:22	Dark	44.000	23	21Eps CMa	1.5020	26000.	88	28970	No
173	GOM_NL__2PRFIN20070914_235442_000000502061_00360_28971_5706.N1	14-SEP-2007 23:54:42	Dark	50.000	2	Alp Car	-0.73600	7000.0	100	28971	No

### 3. Quality information per product

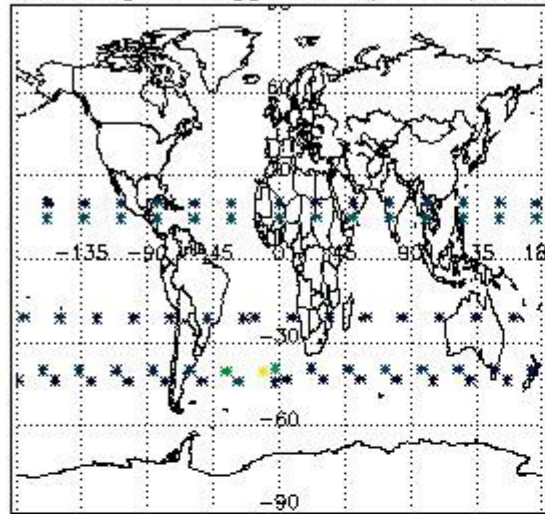
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

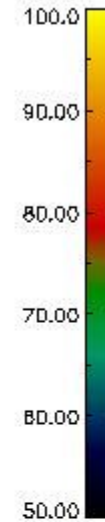
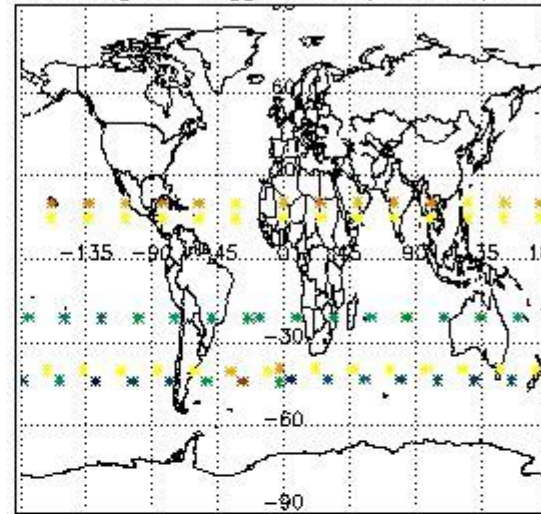


#### 3.2 Plot quality information per product (world map)

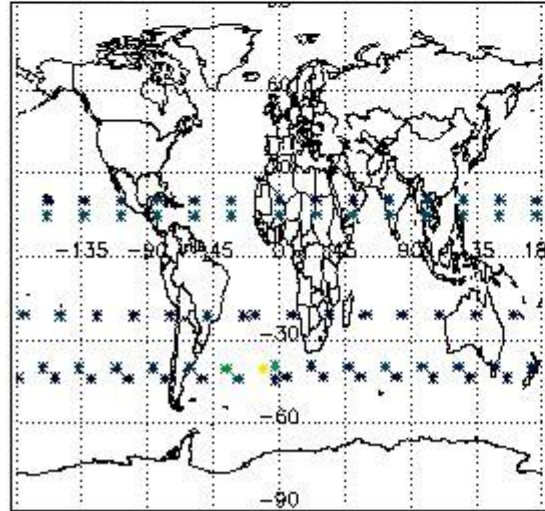
Percentage of flagged data per O3 profile



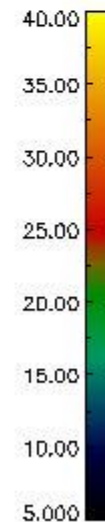
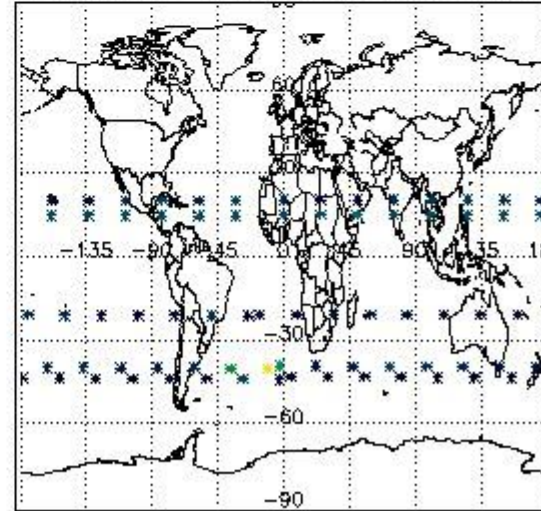
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile



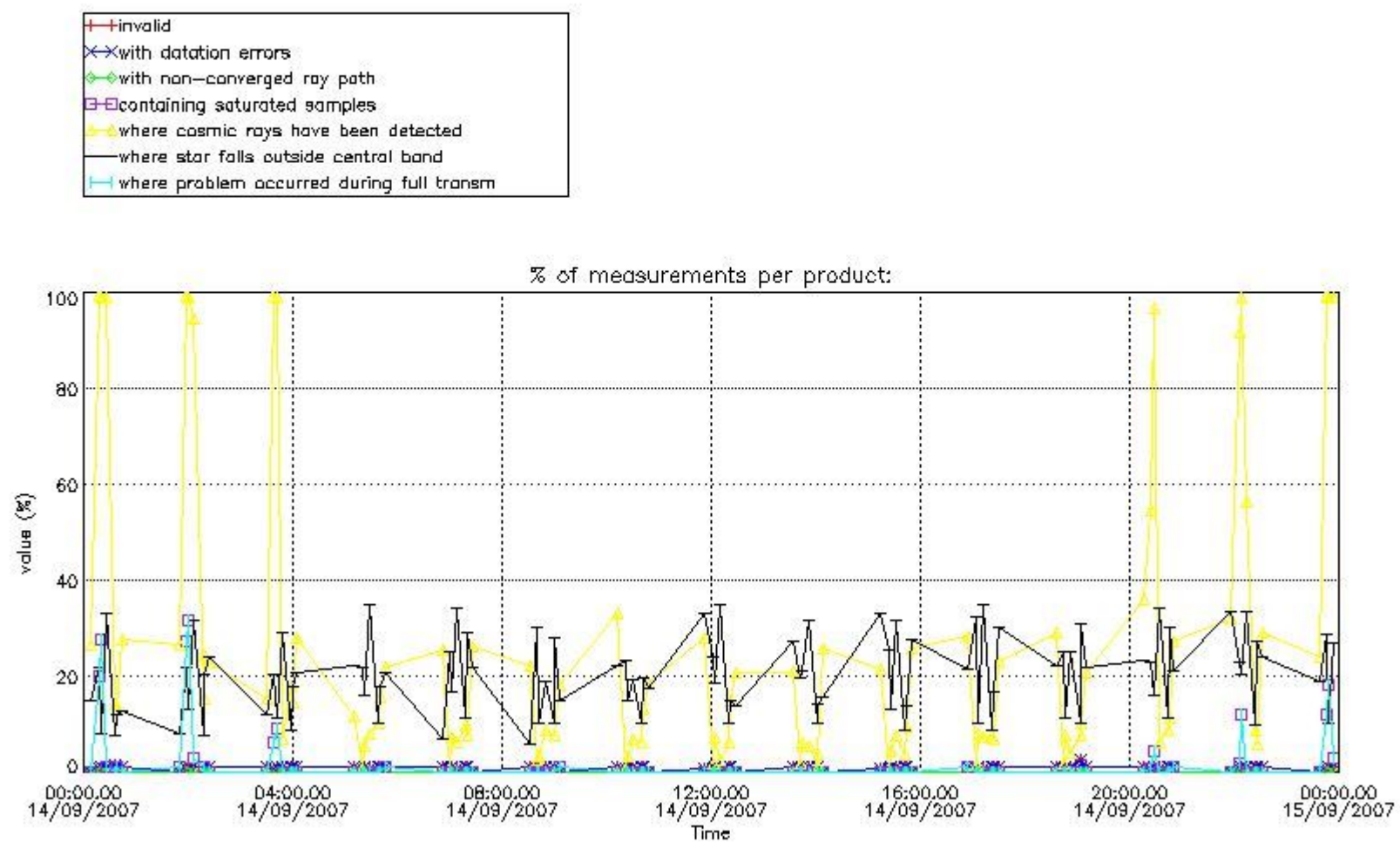
#### 4. Level 1 quality information per product

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

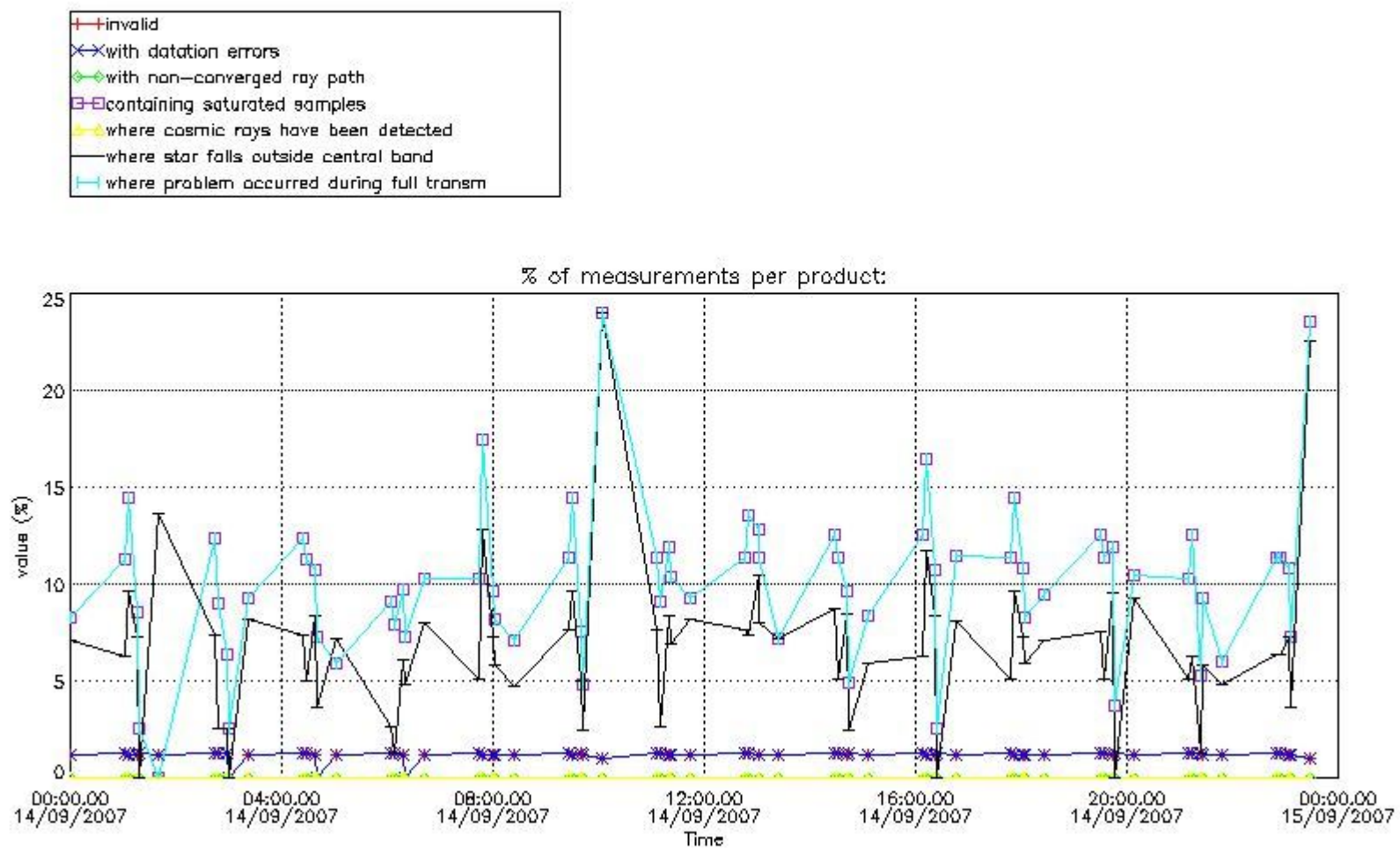
###### 4.1.1 Plot level 1 quality information per product (time dependant): ENVISAT ASCENDING passes





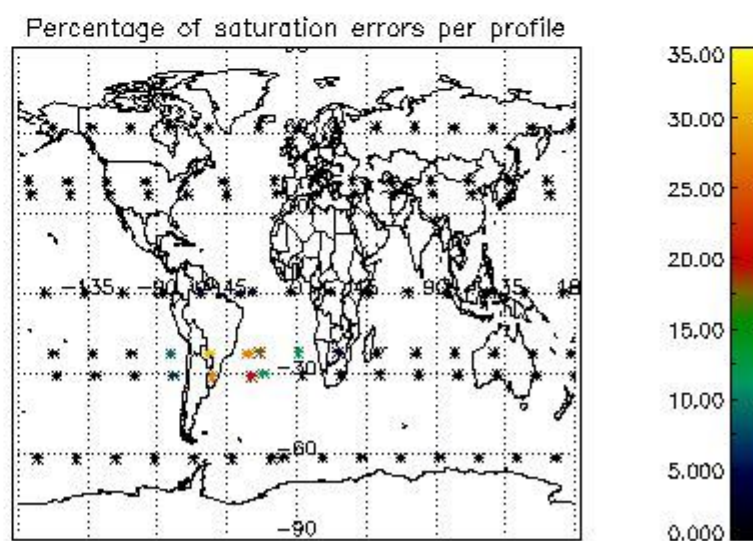
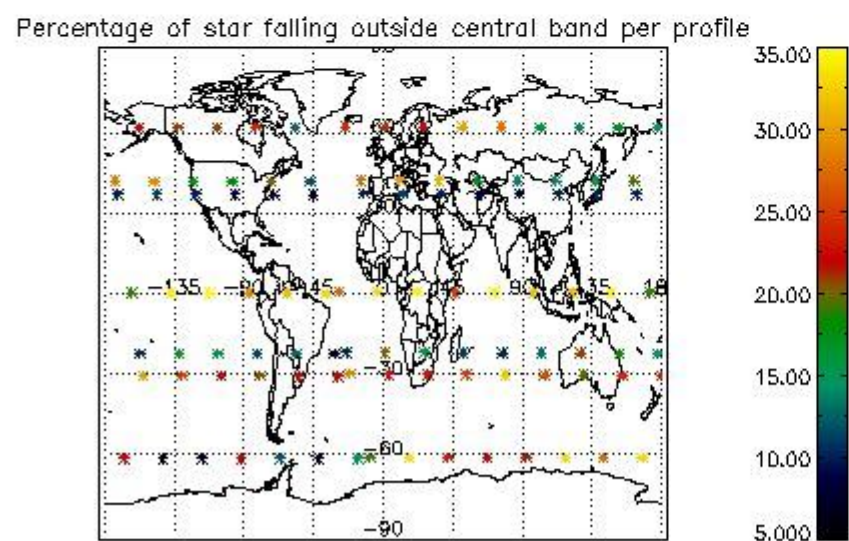
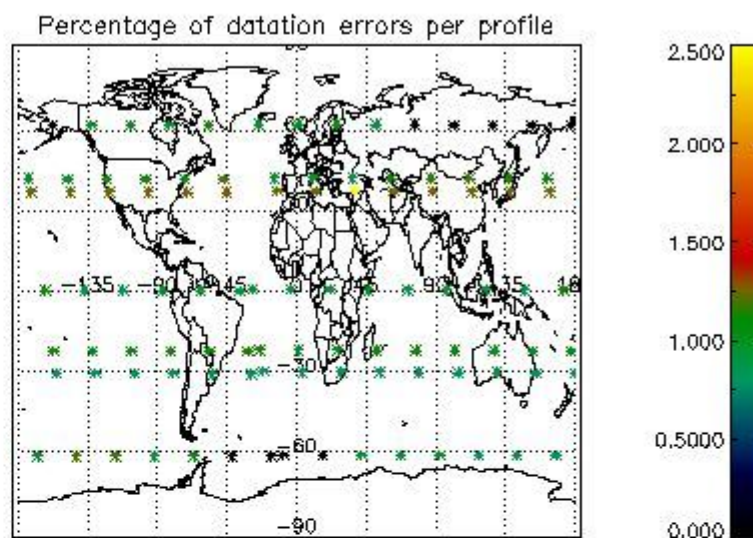
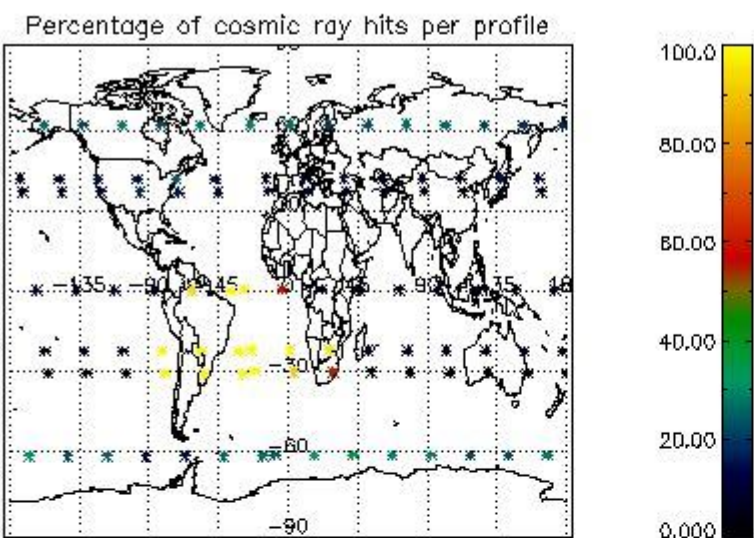
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes





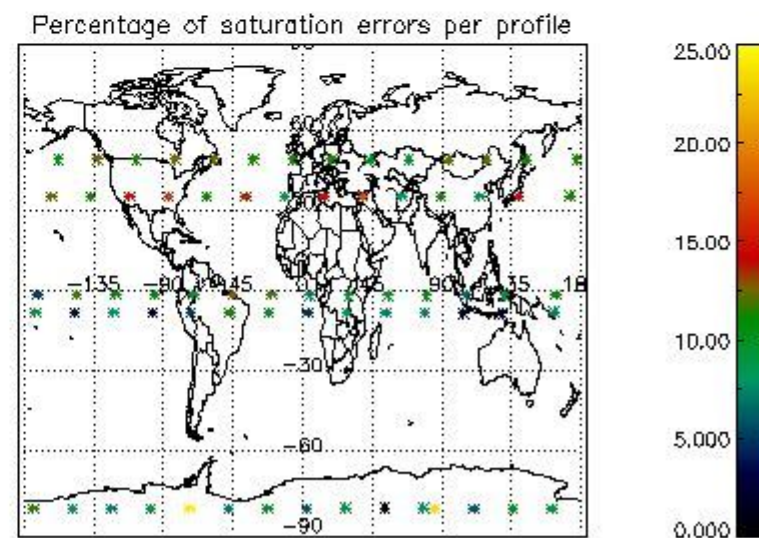
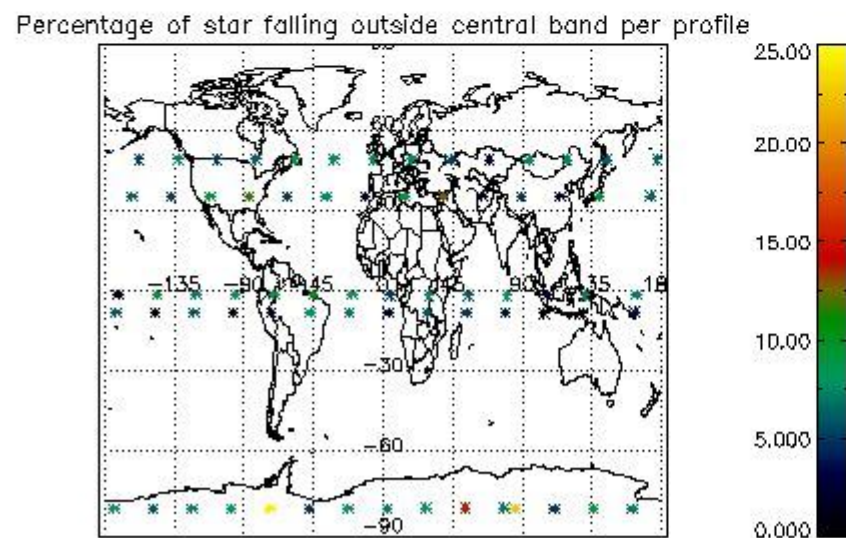
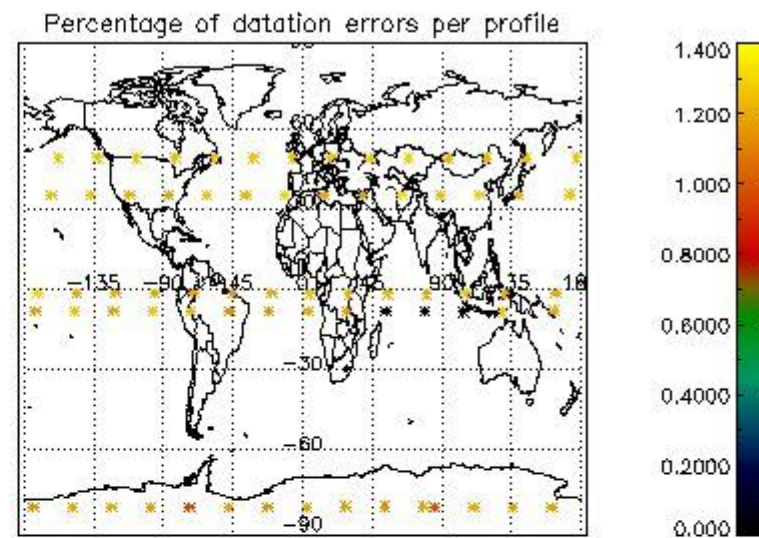
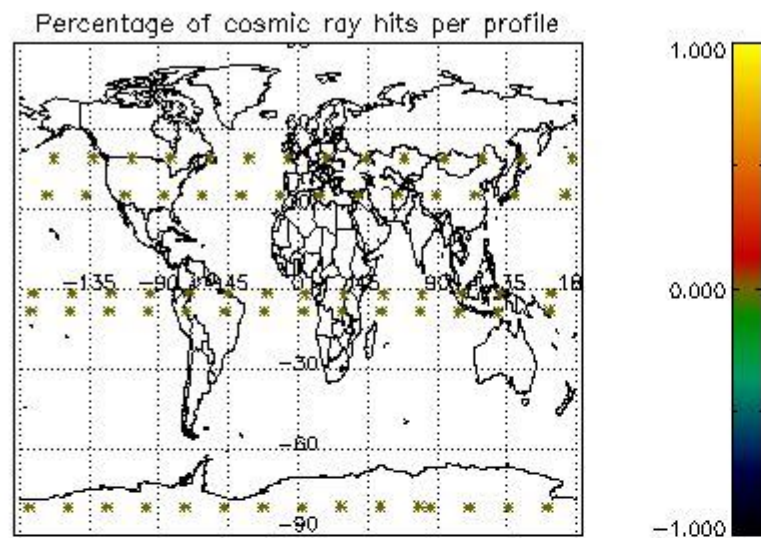
4.2 Plot quality information per product coming from level 1b processing (world map)

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



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

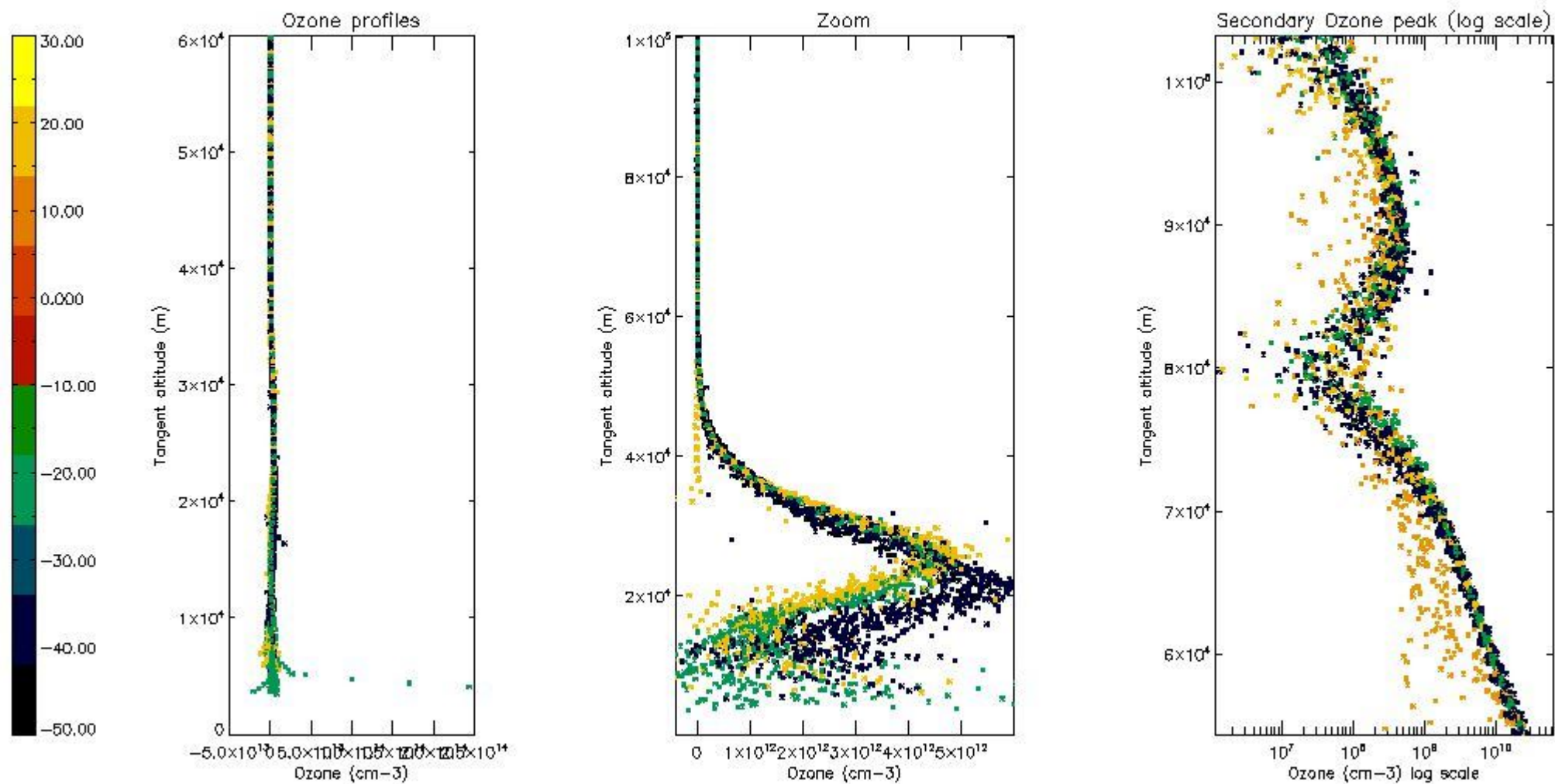
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	46
STD < 20	31

STD < 10	27
STD < 5	21

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

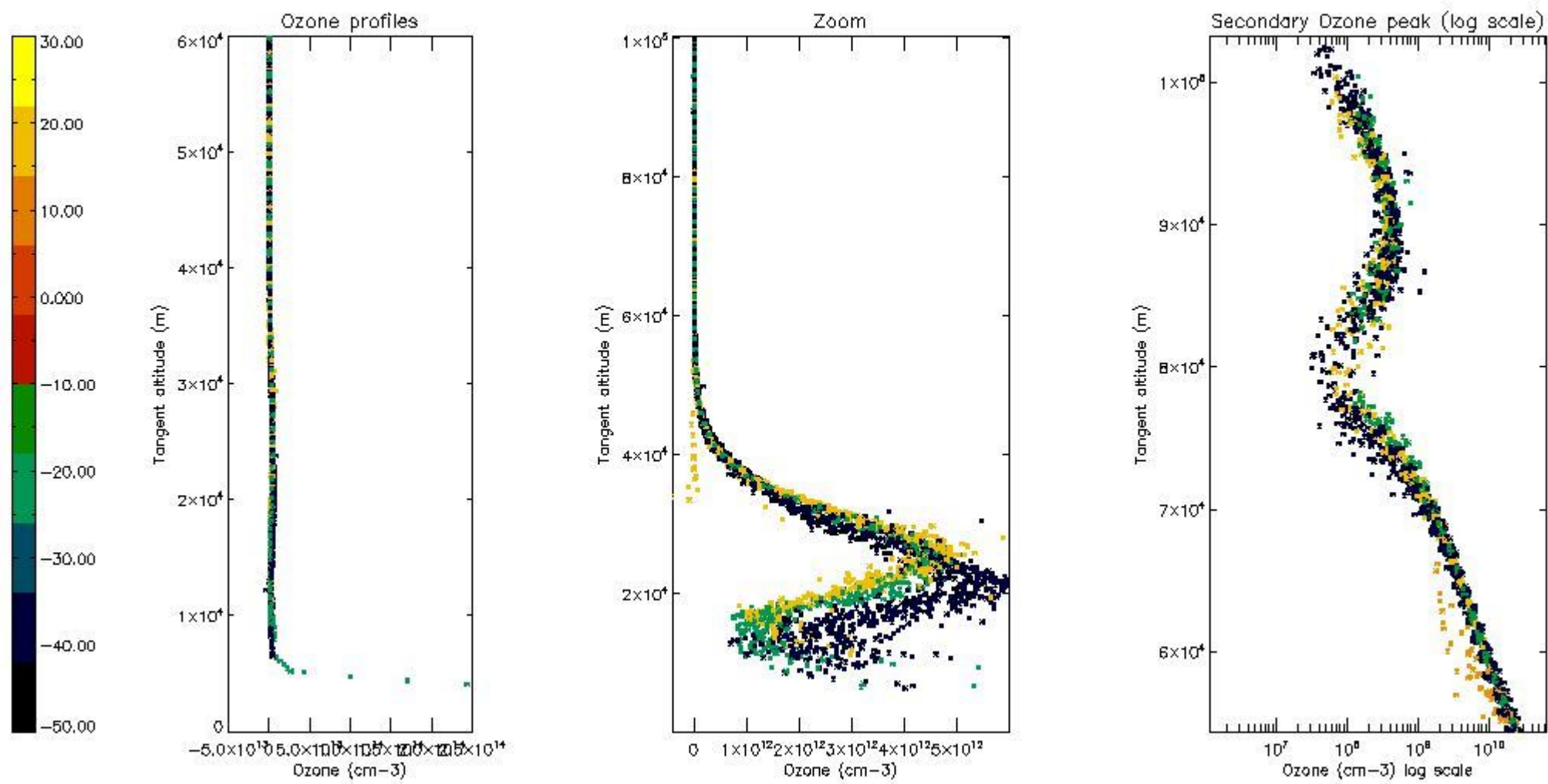
The colorbar represents the latitude.



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

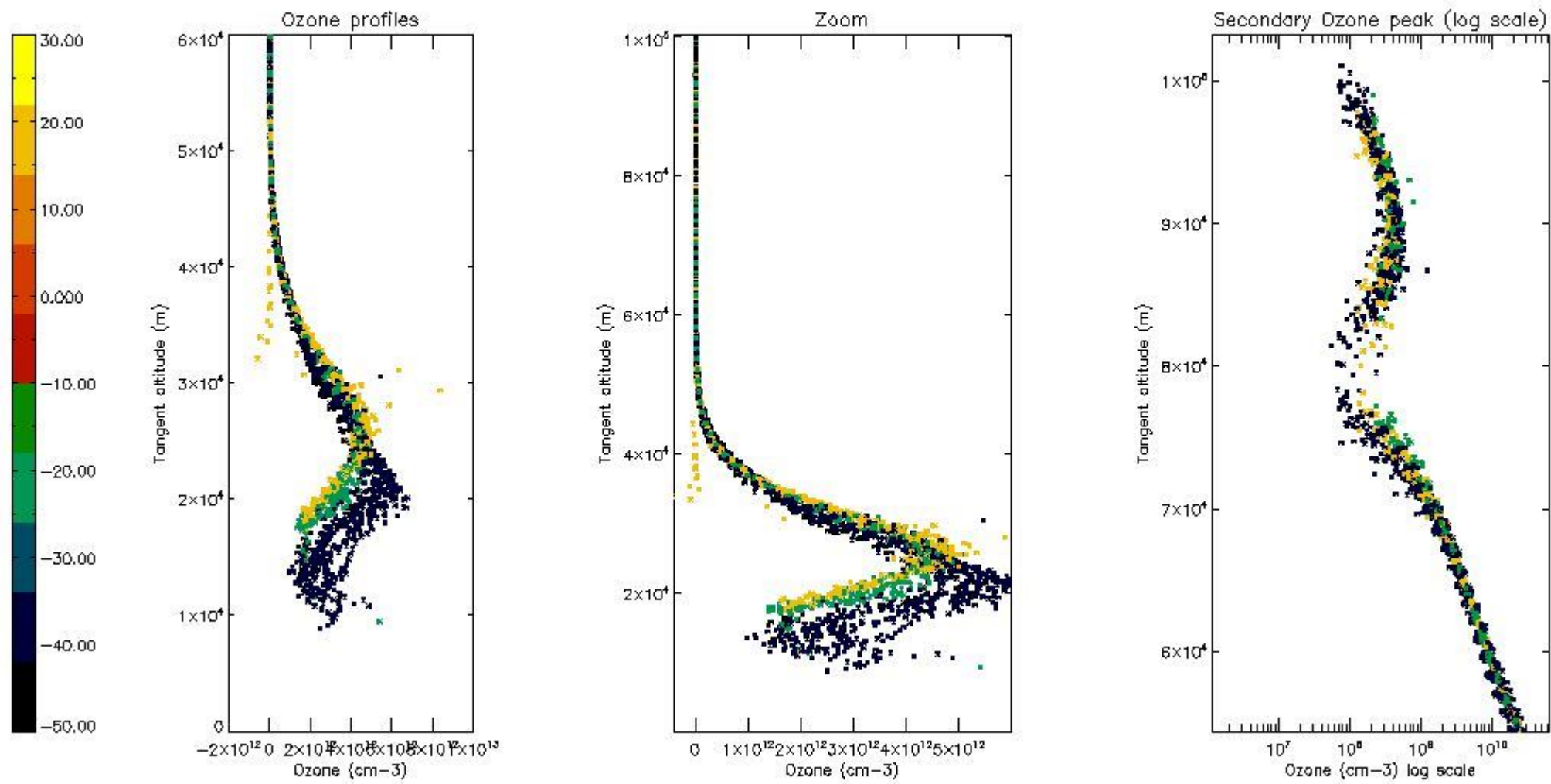
The colorbar represents the latitude.





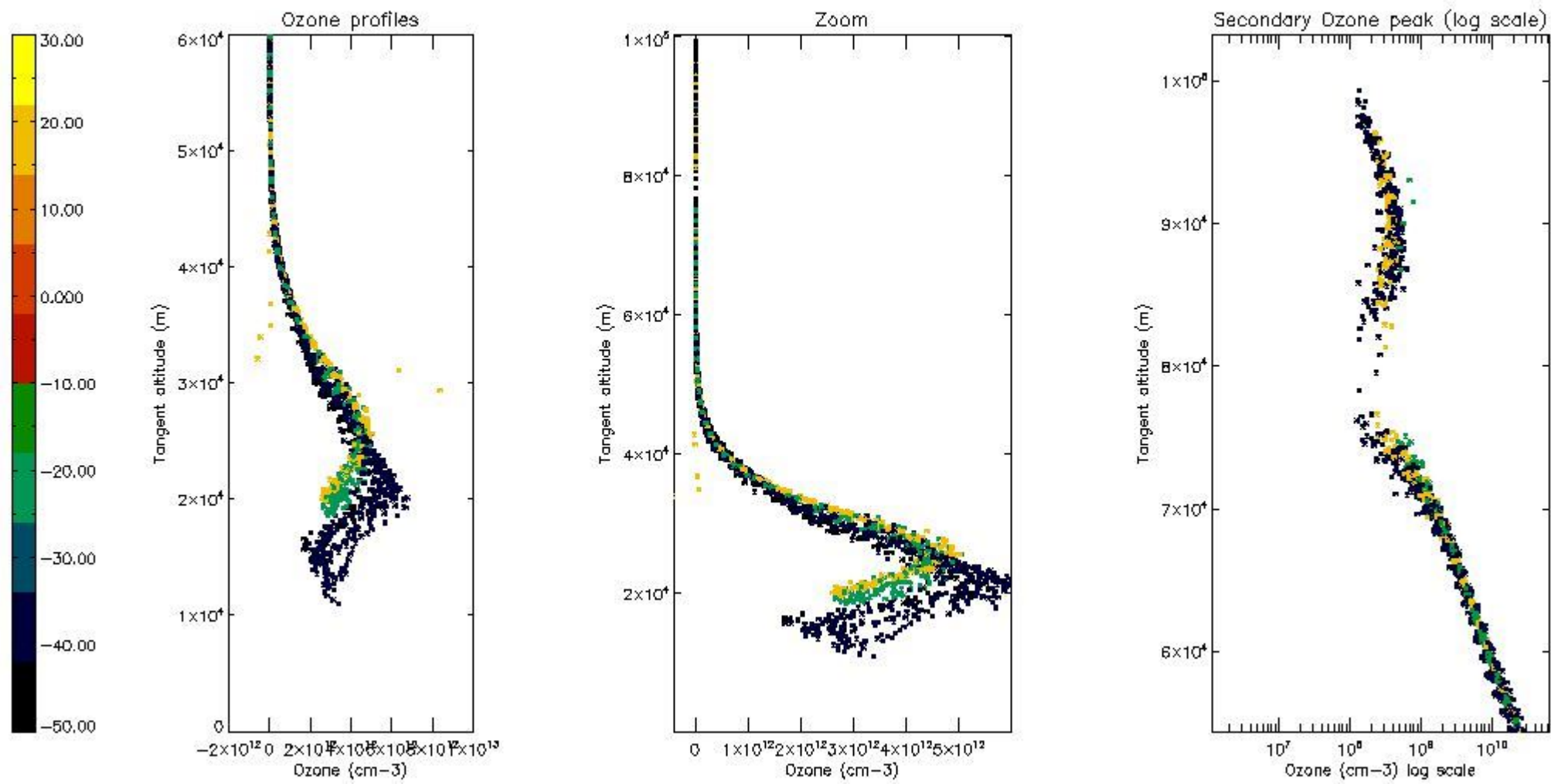
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



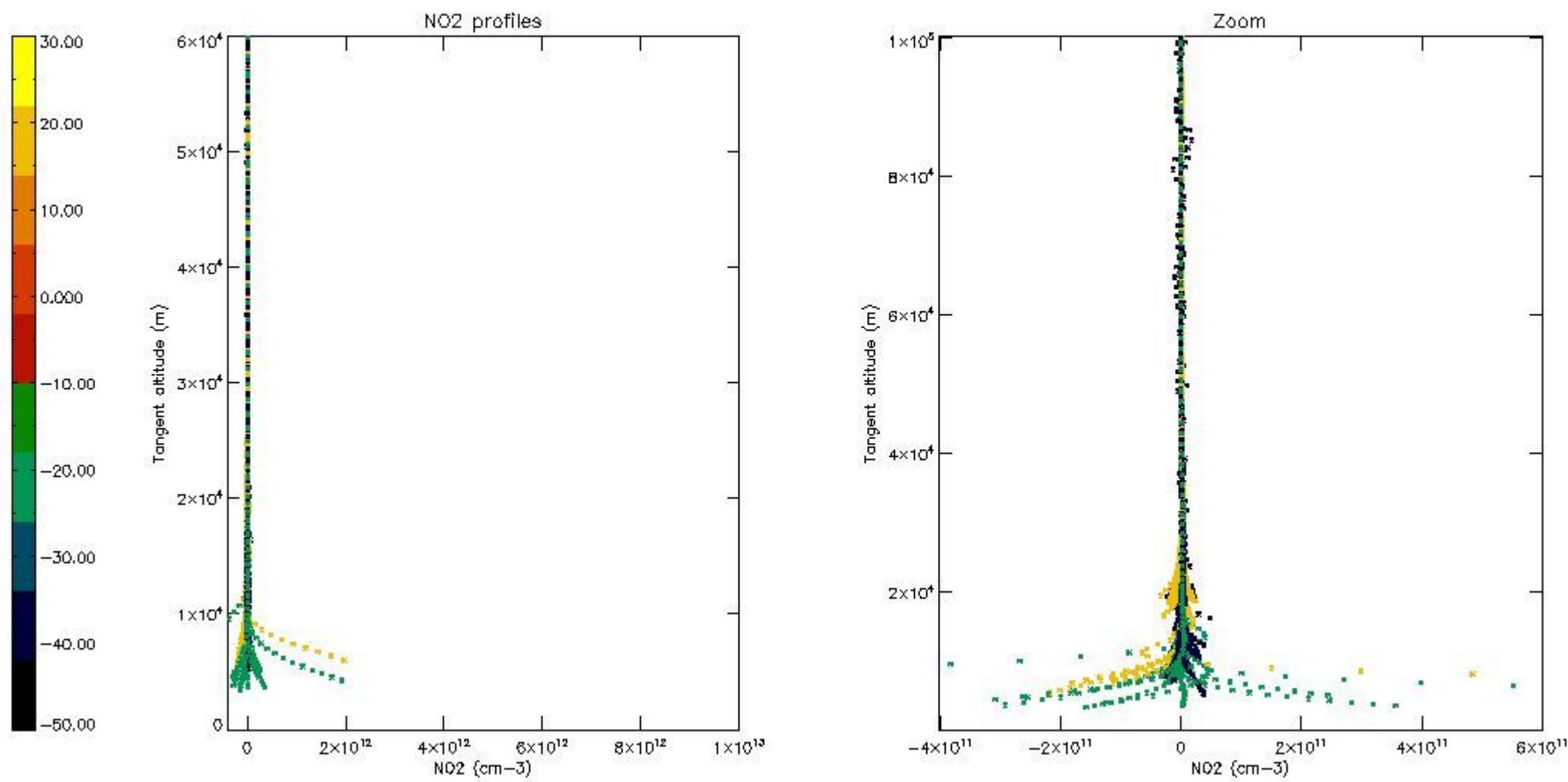
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



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

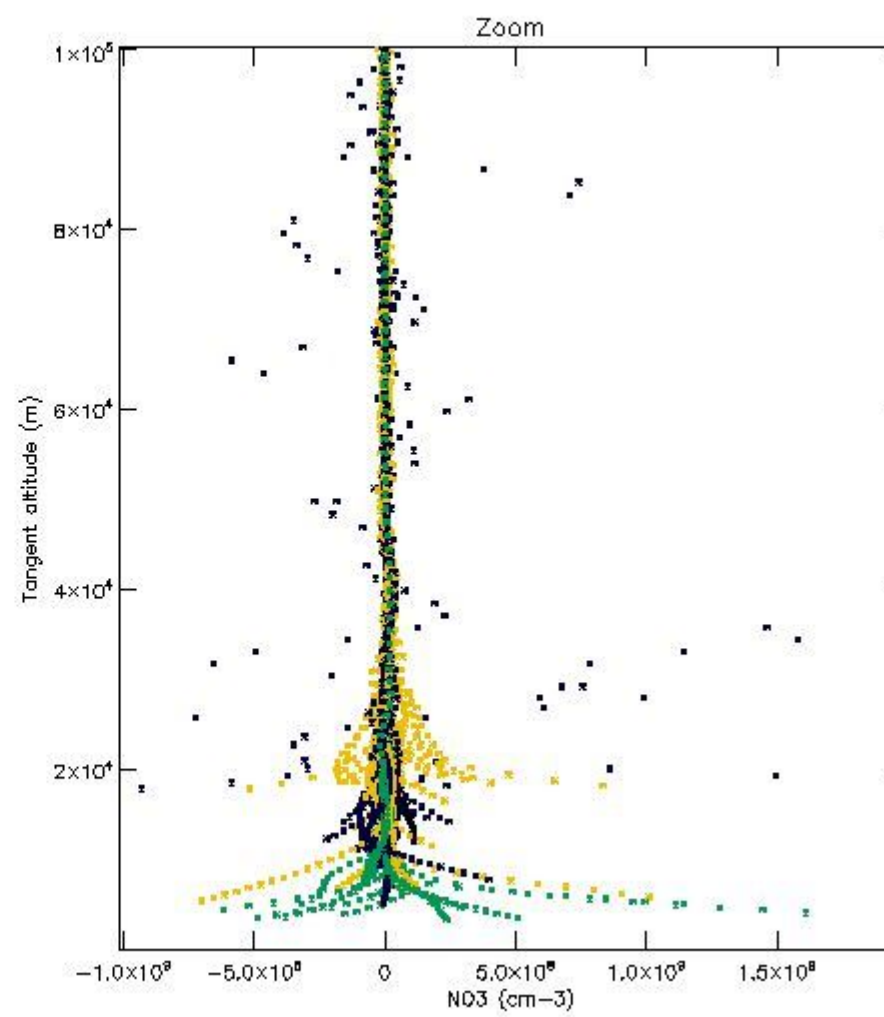
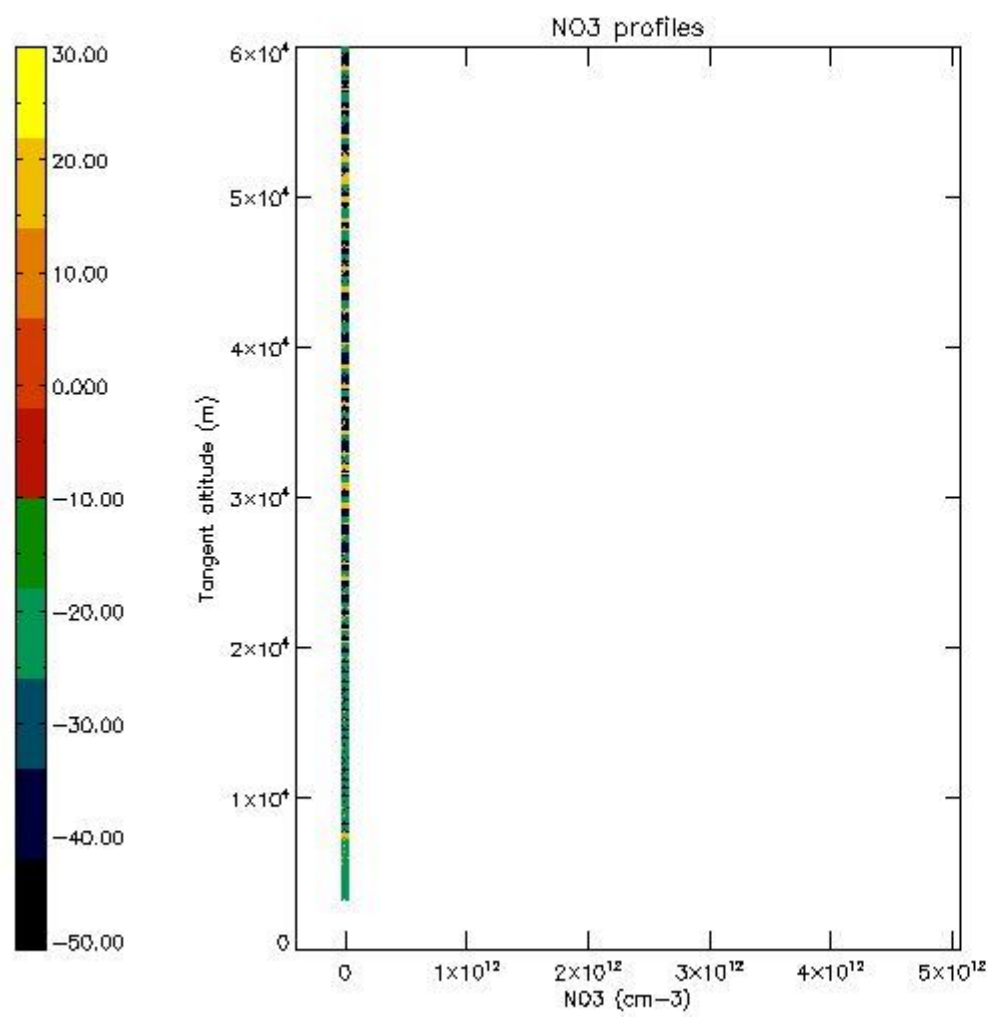
The colorbar represents the latitude.



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

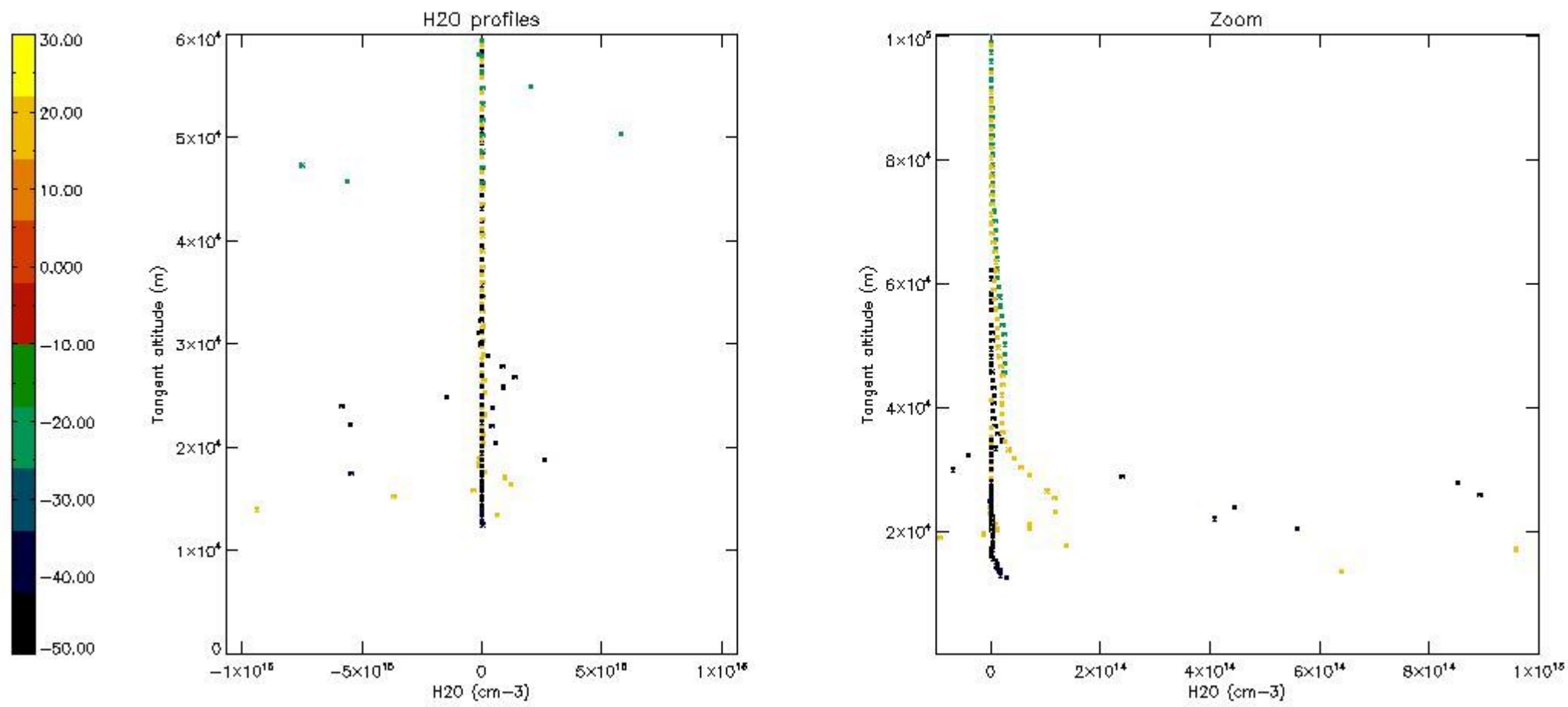
The colorbar represents the latitude.





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

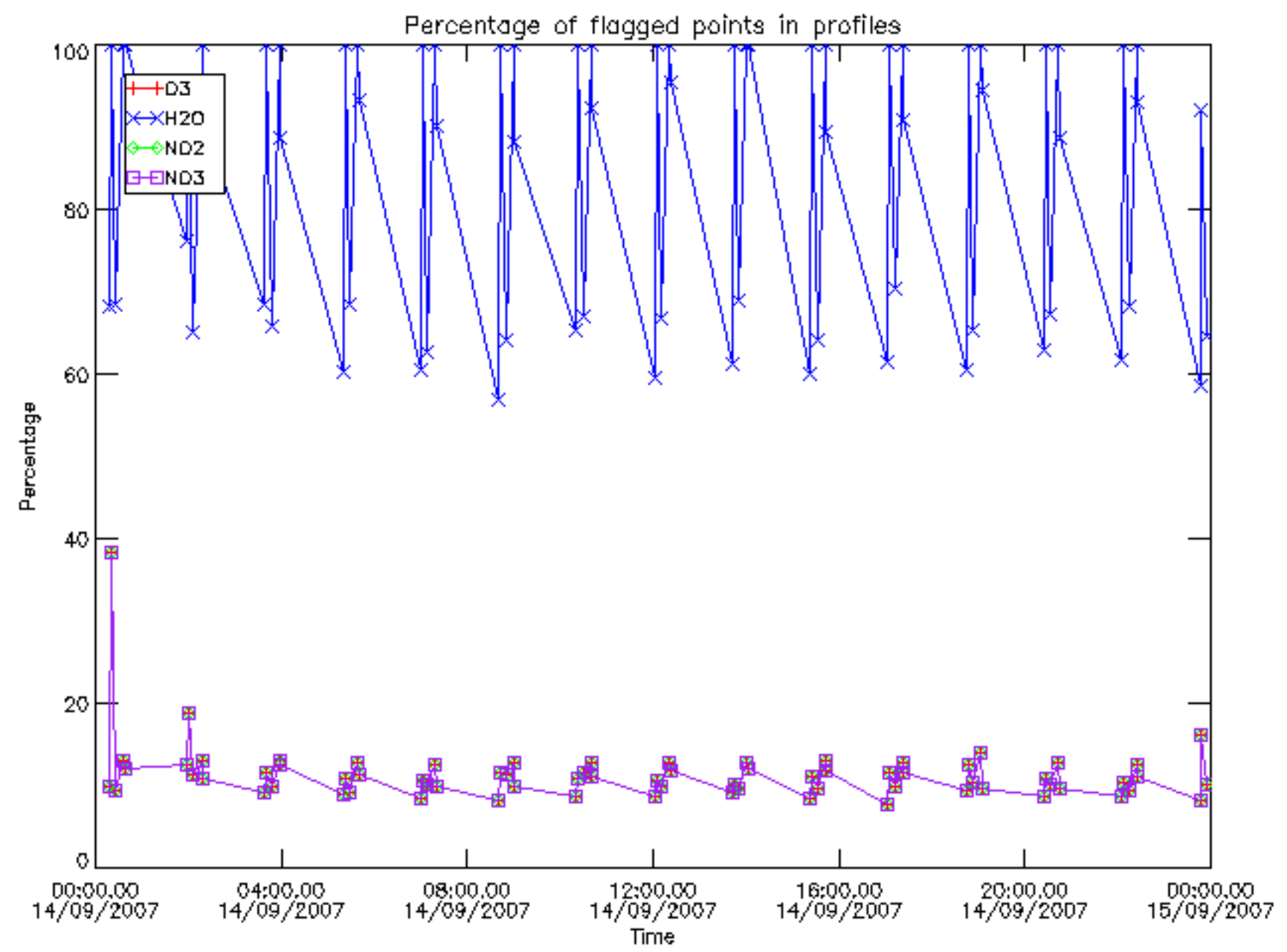
The colorbar represents the latitude.



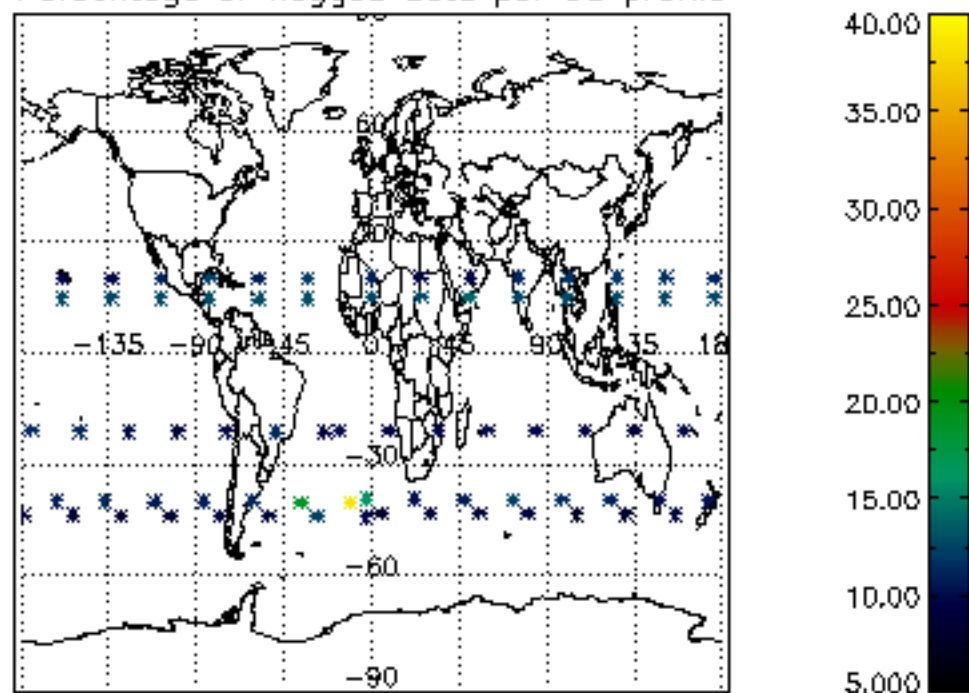
## 6. Auxiliary Data Files used for the production reported in section 2

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

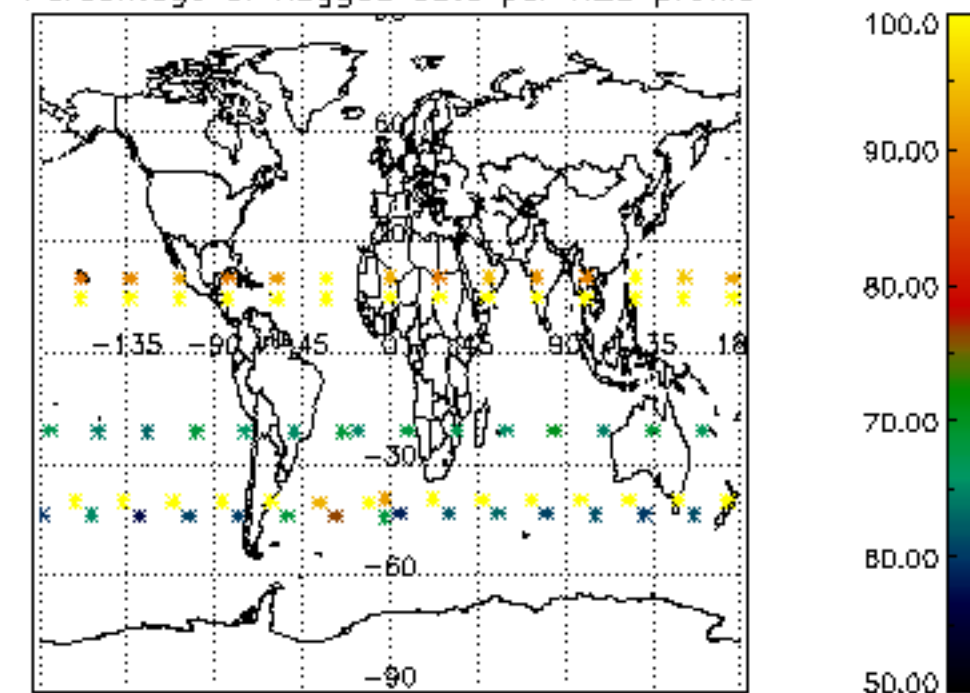
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	14-SEP-2007 00:00:10
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	14-SEP-2007 00:00:10
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	14-SEP-2007 00:00:10



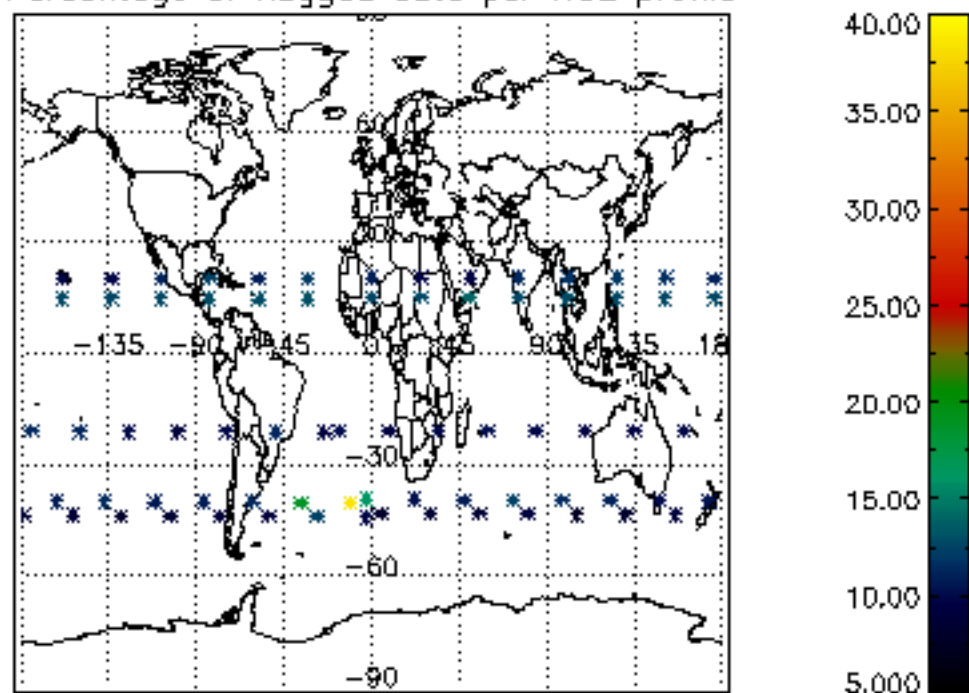
Percentage of flagged data per D3 profile



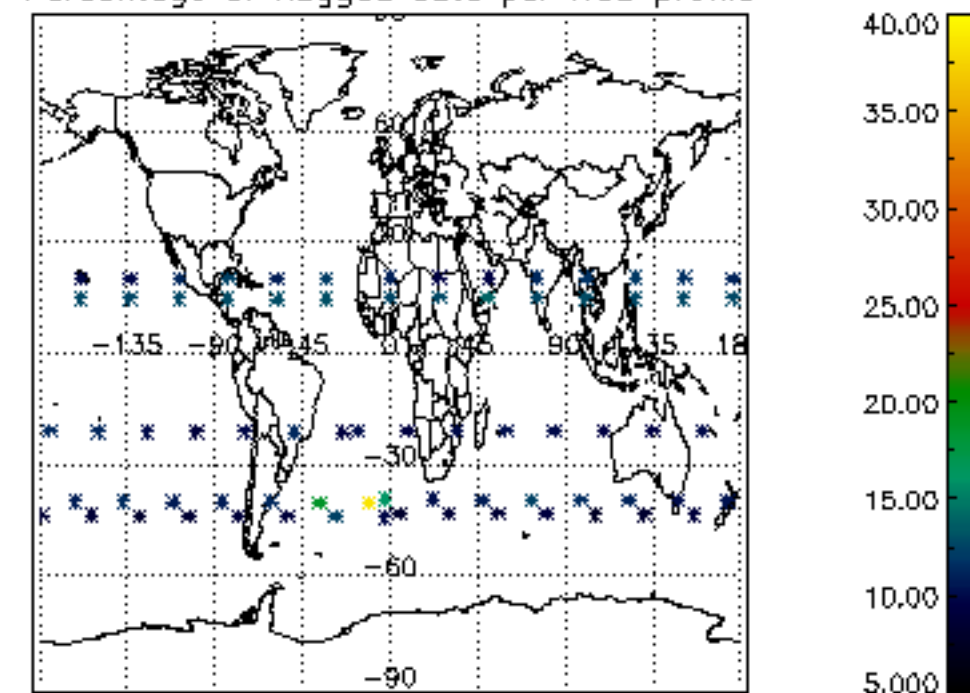
Percentage of flagged data per H2O profile



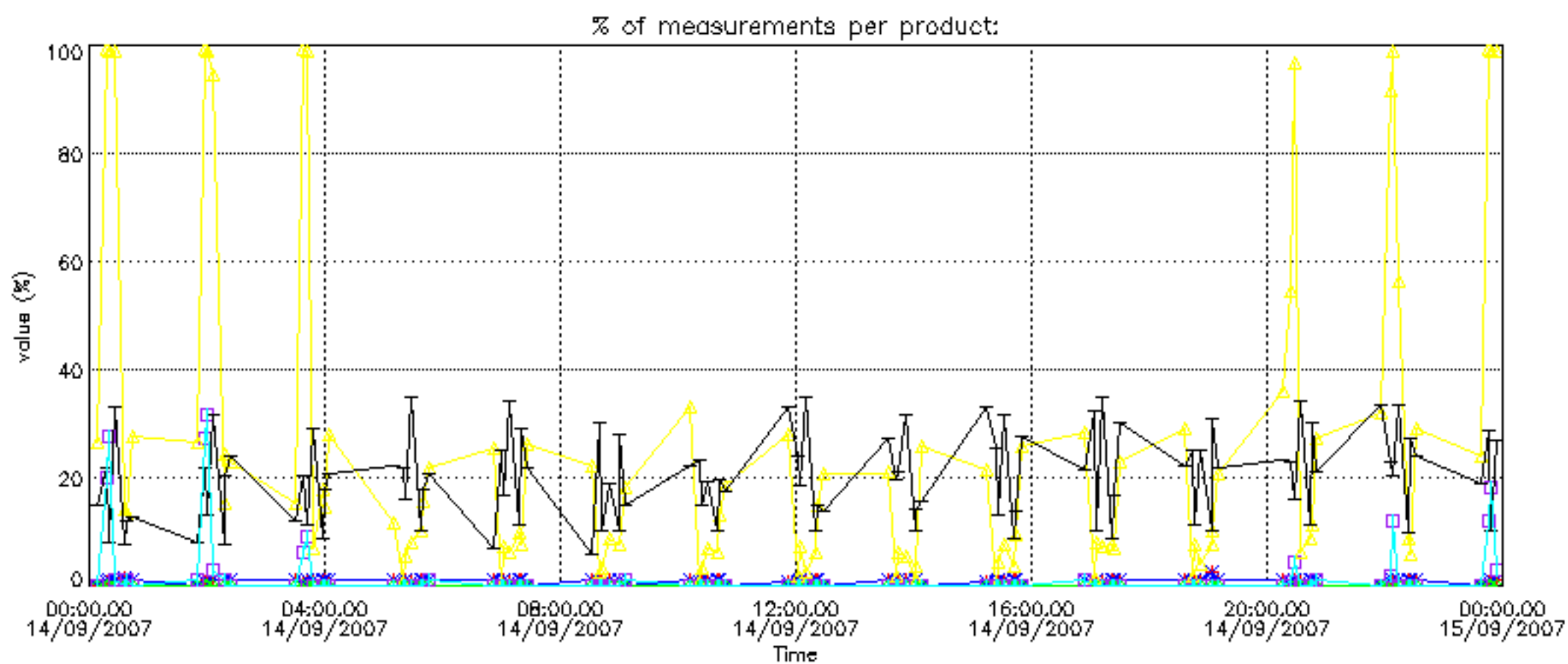
Percentage of flagged data per NO2 profile

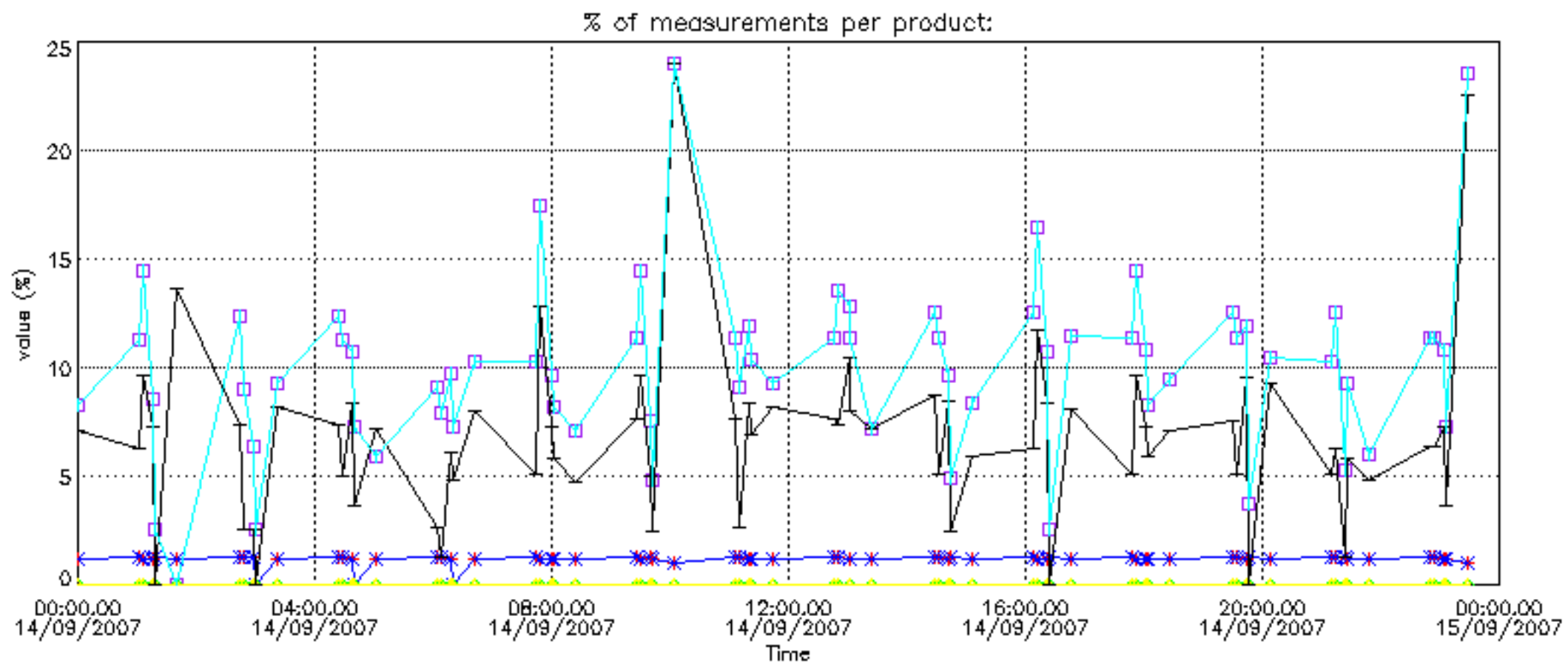


Percentage of flagged data per NO3 profile

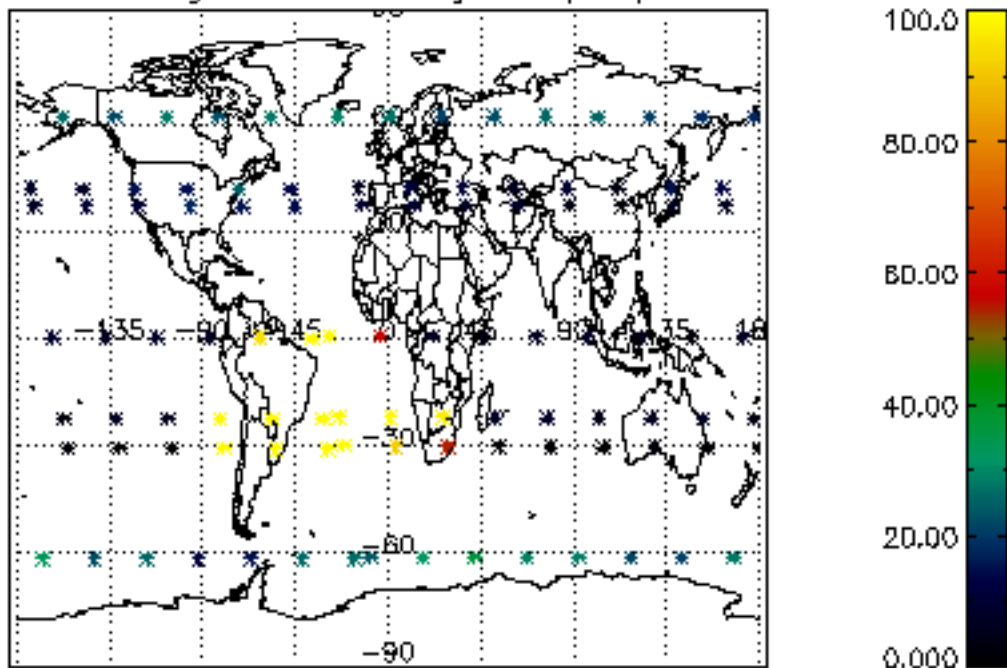




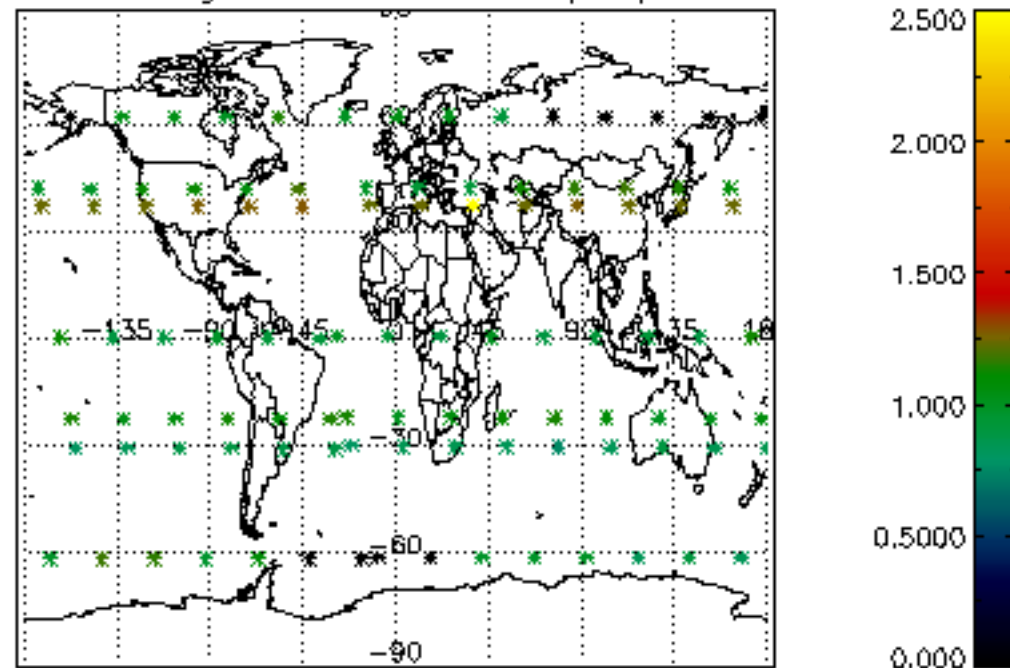




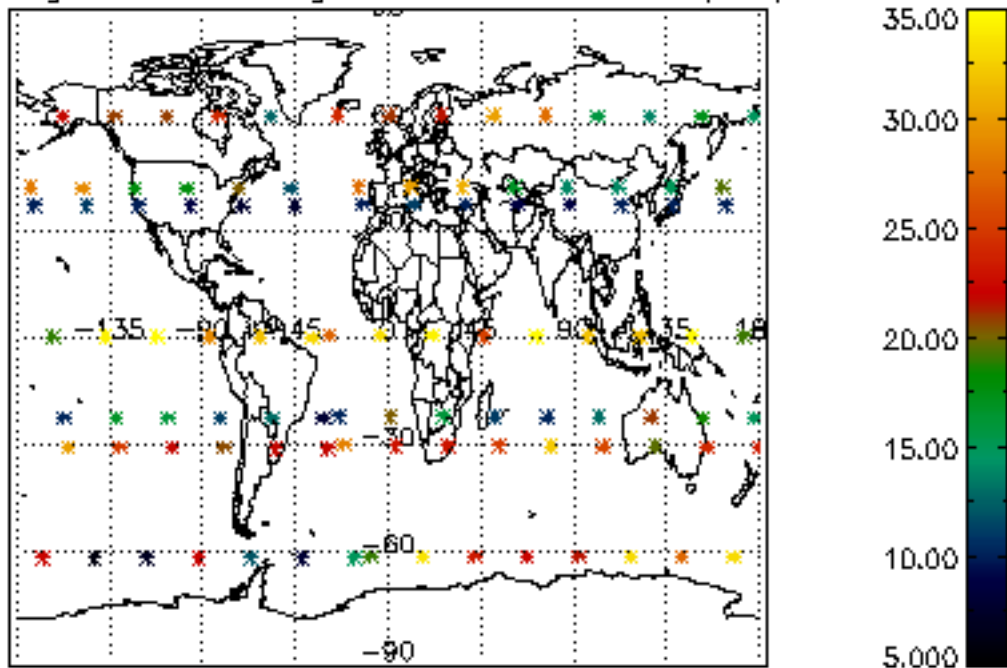
Percentage of cosmic ray hits per profile



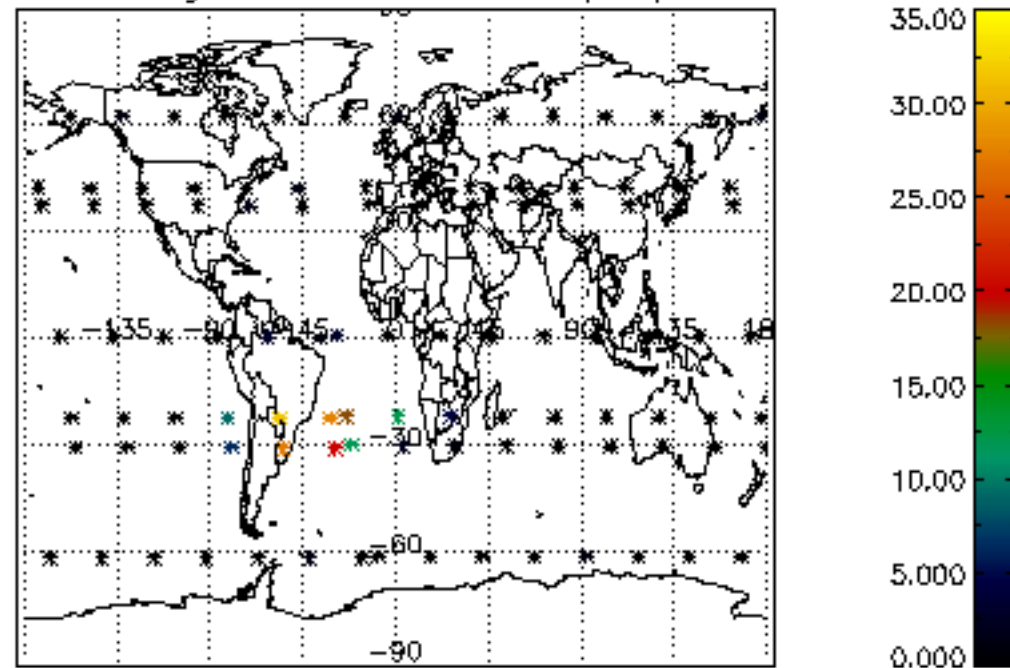
Percentage of datation errors per profile



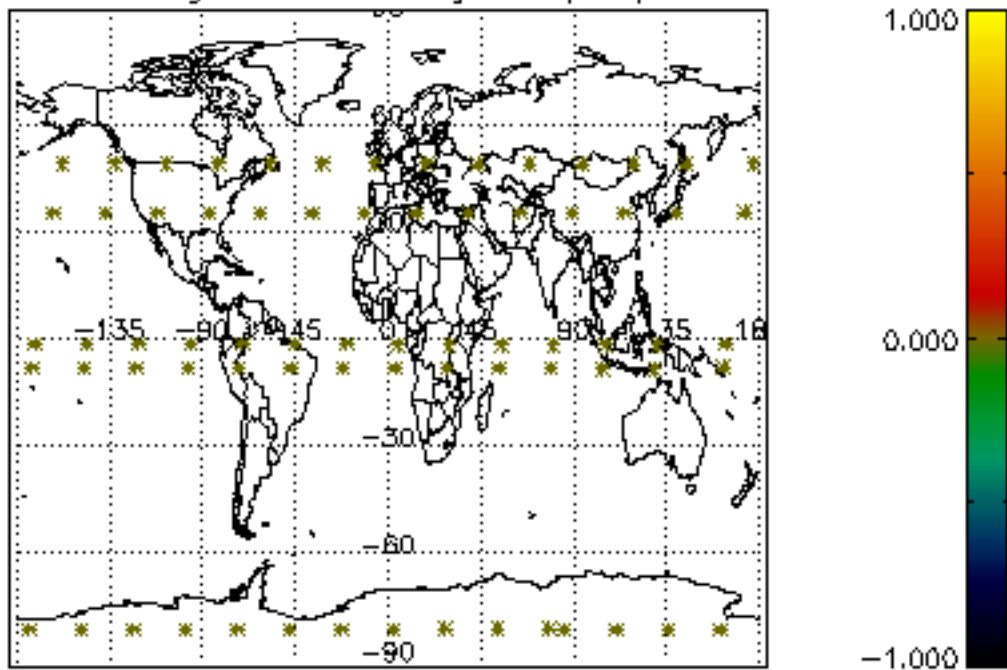
Percentage of star falling outside central band per profile



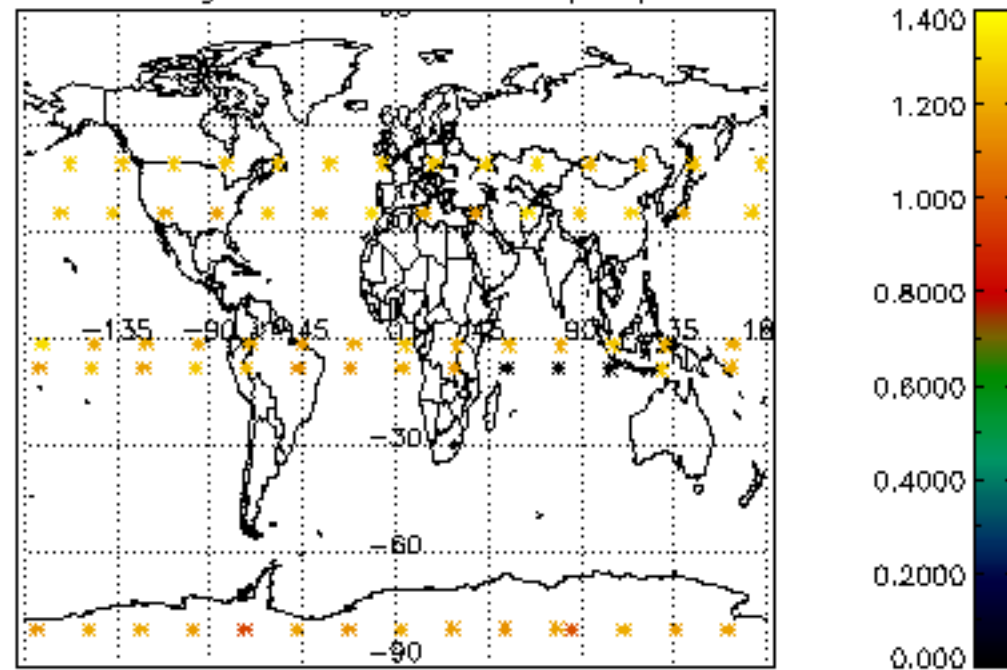
Percentage of saturation errors per profile



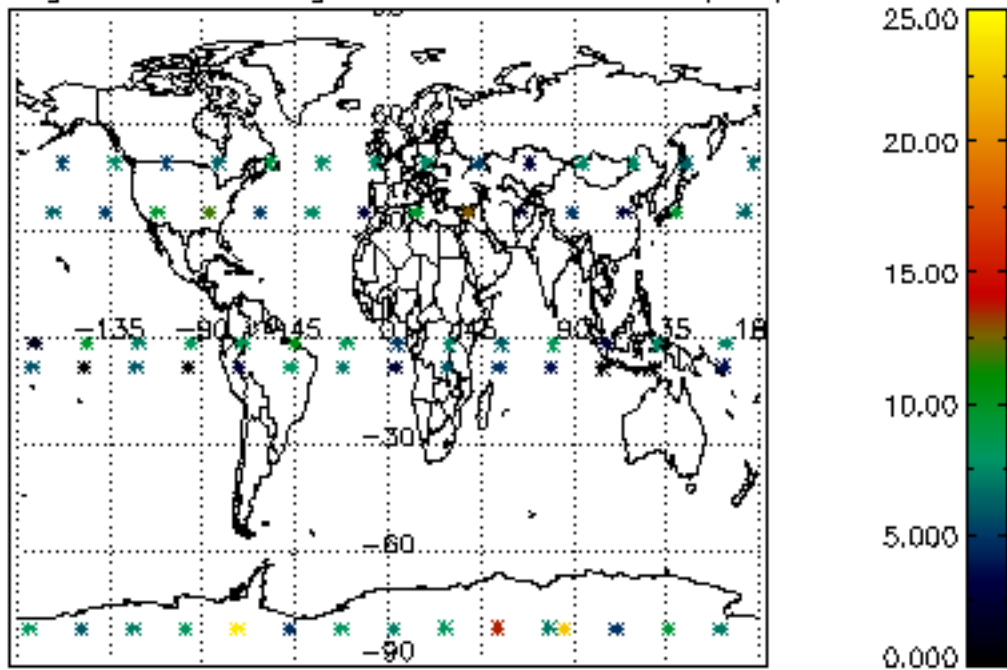
Percentage of cosmic ray hits per profile



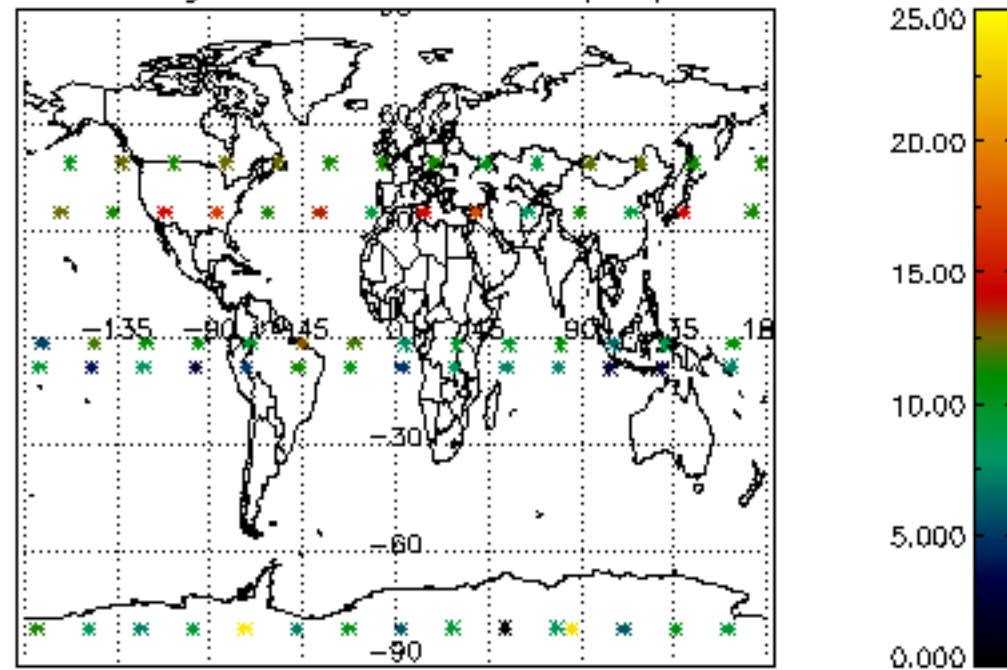
Percentage of datation errors per profile



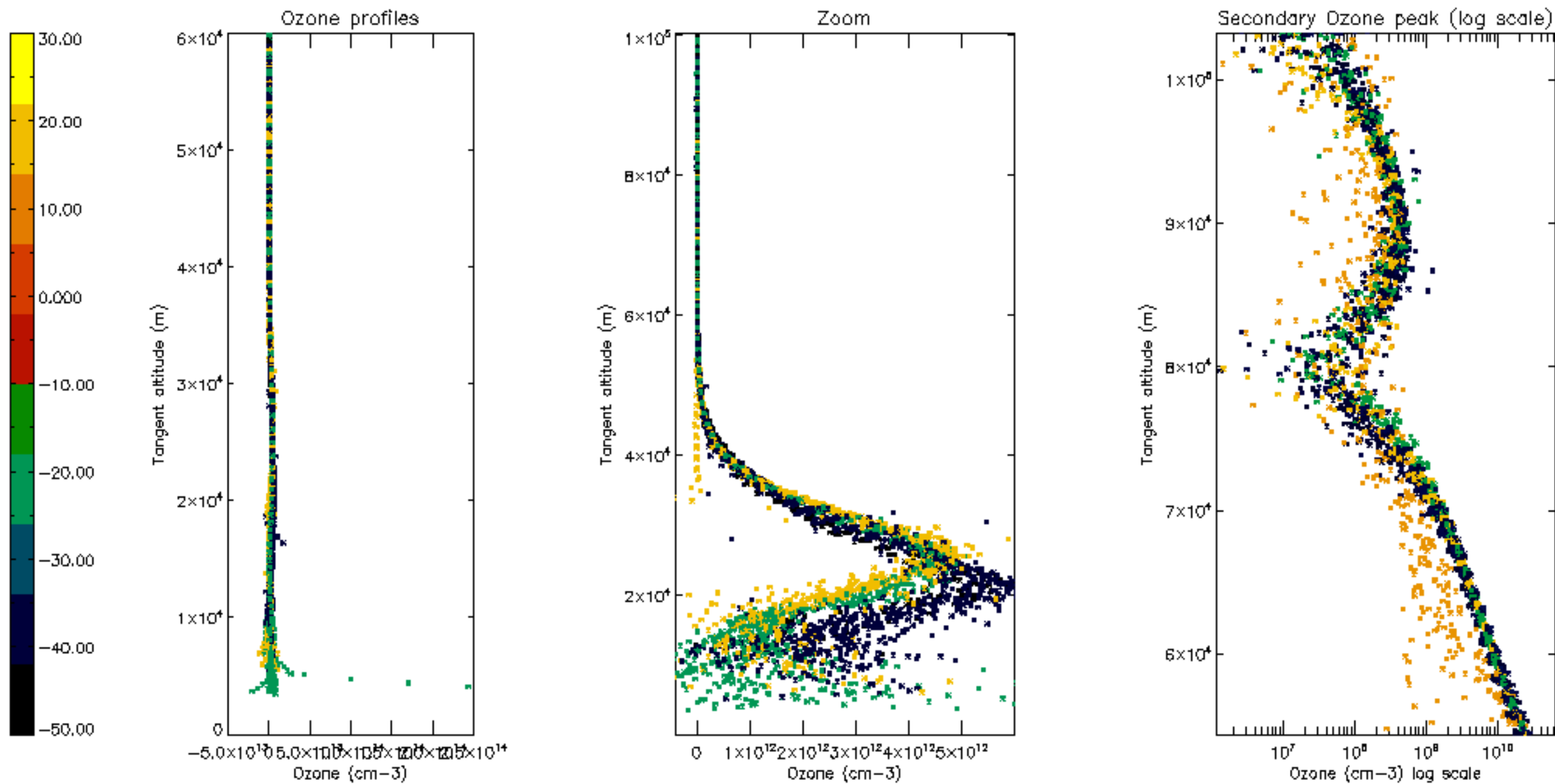
Percentage of star falling outside central band per profile

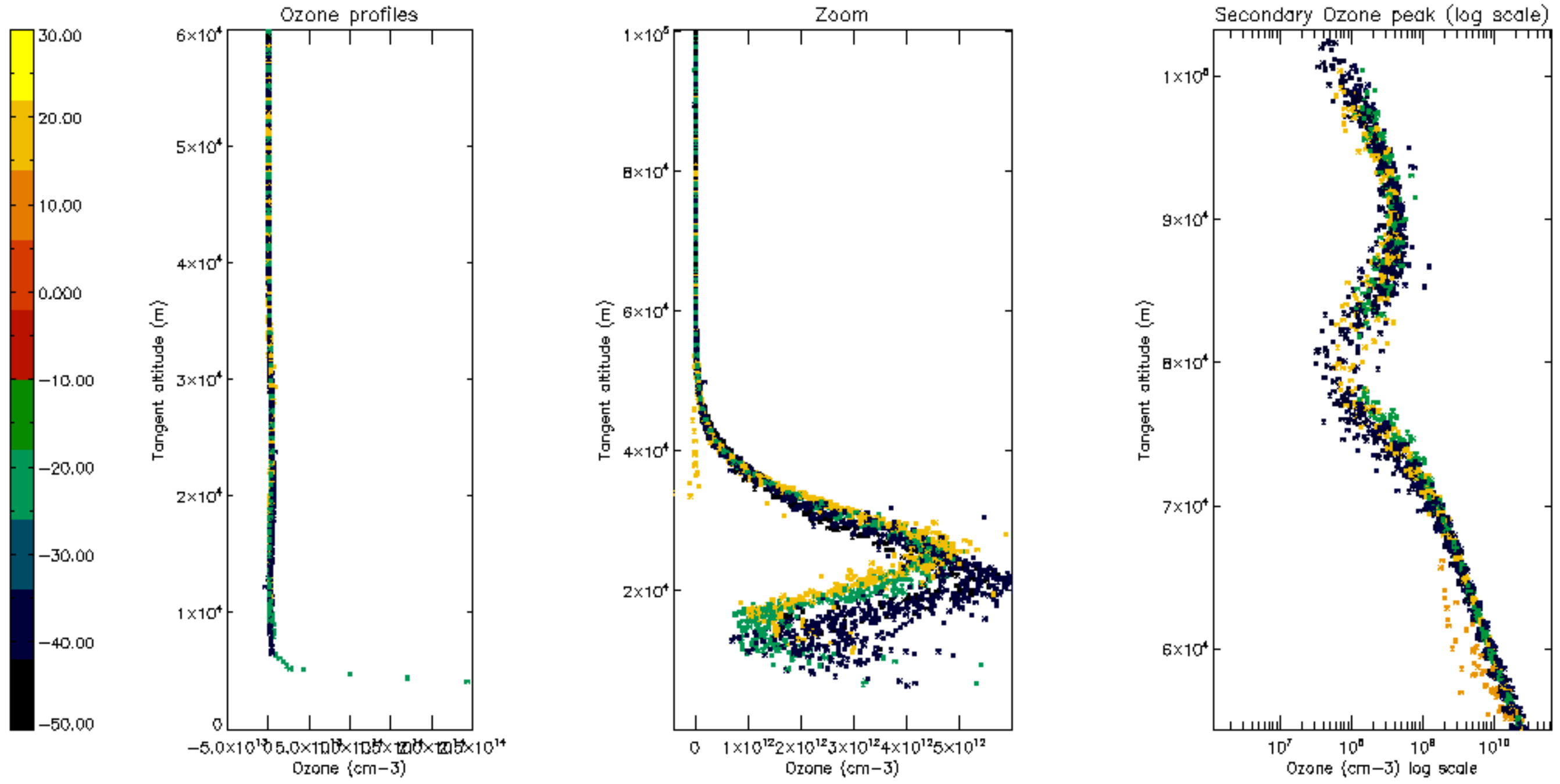


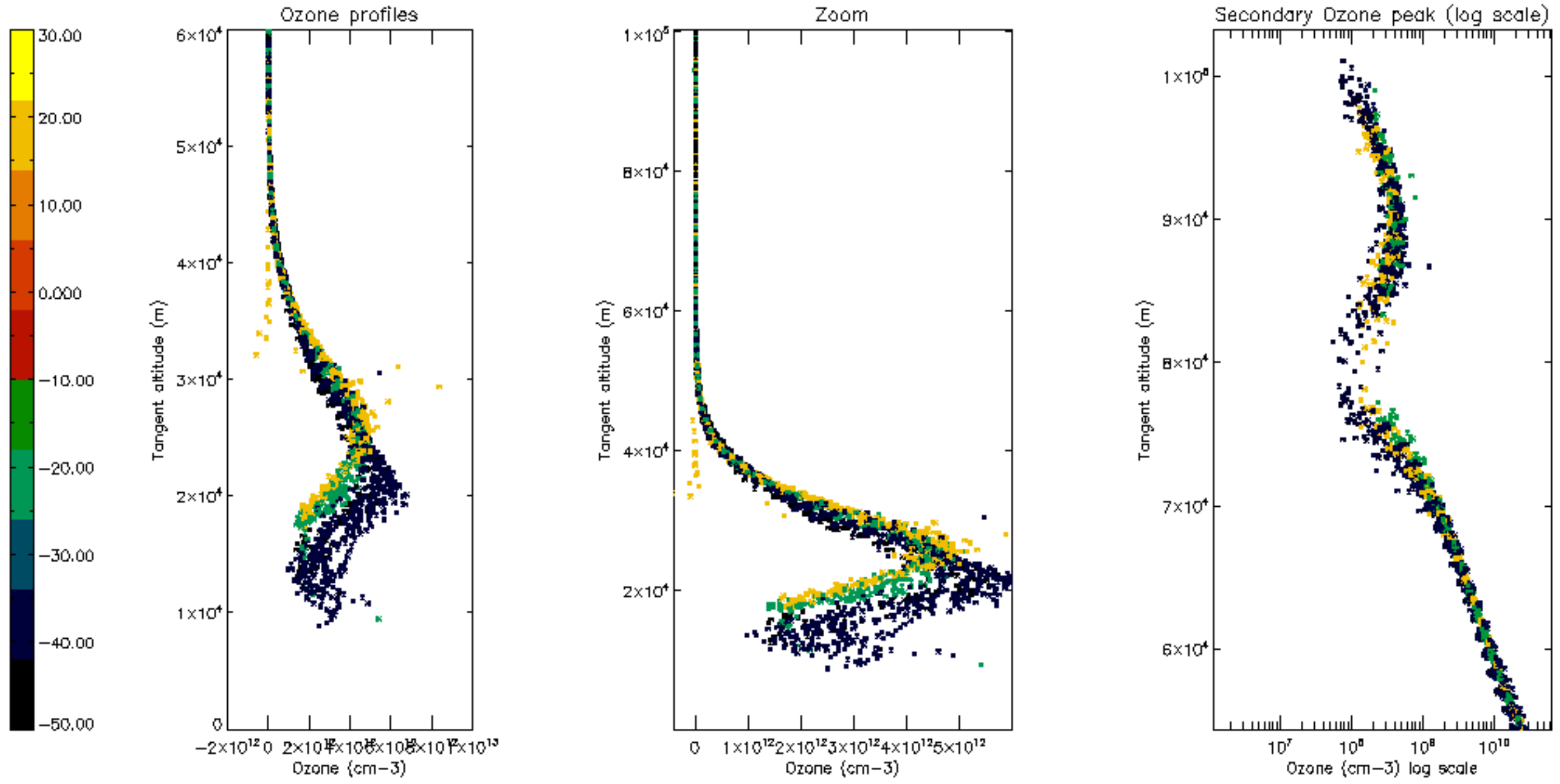
Percentage of saturation errors per profile

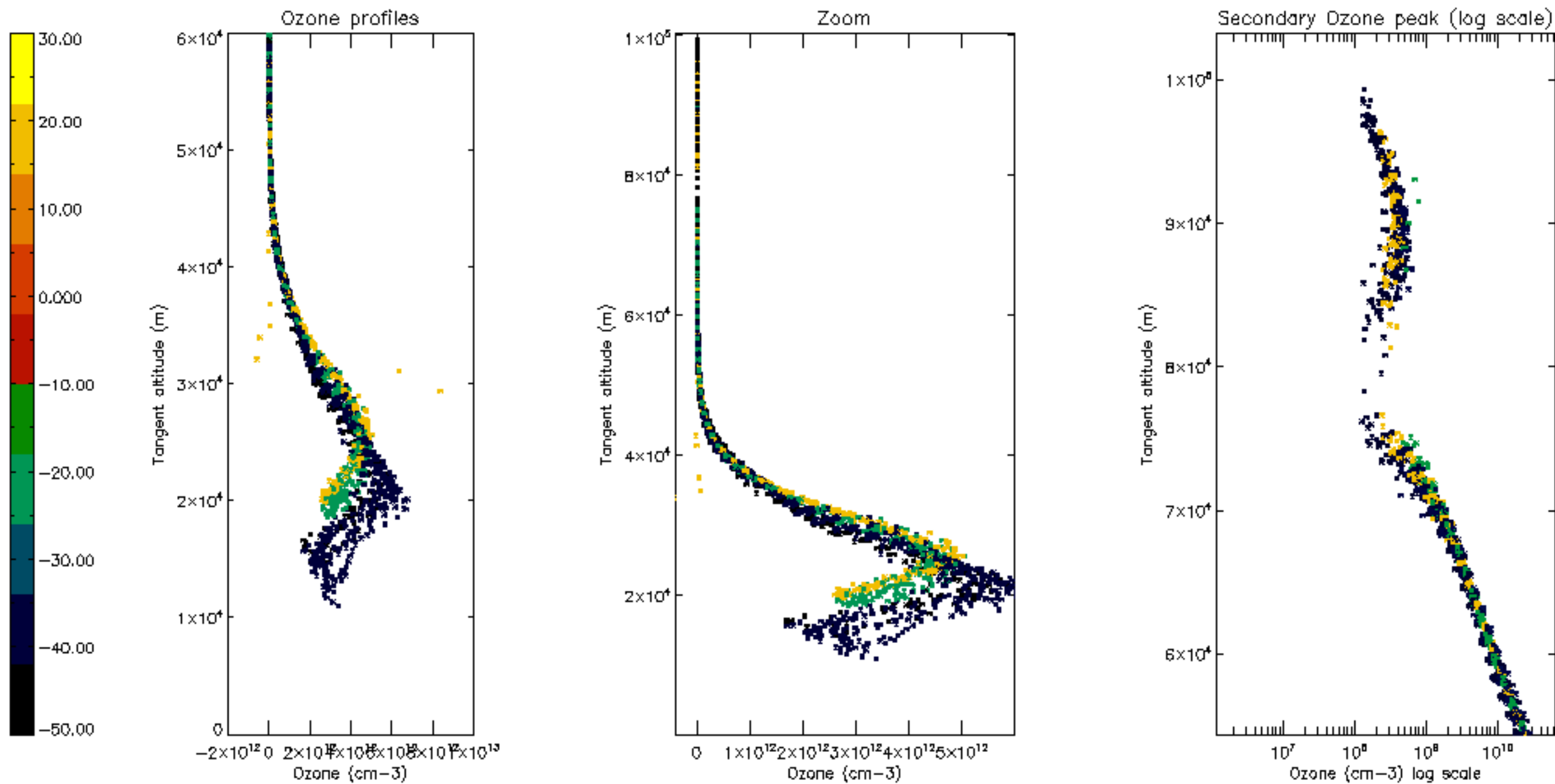




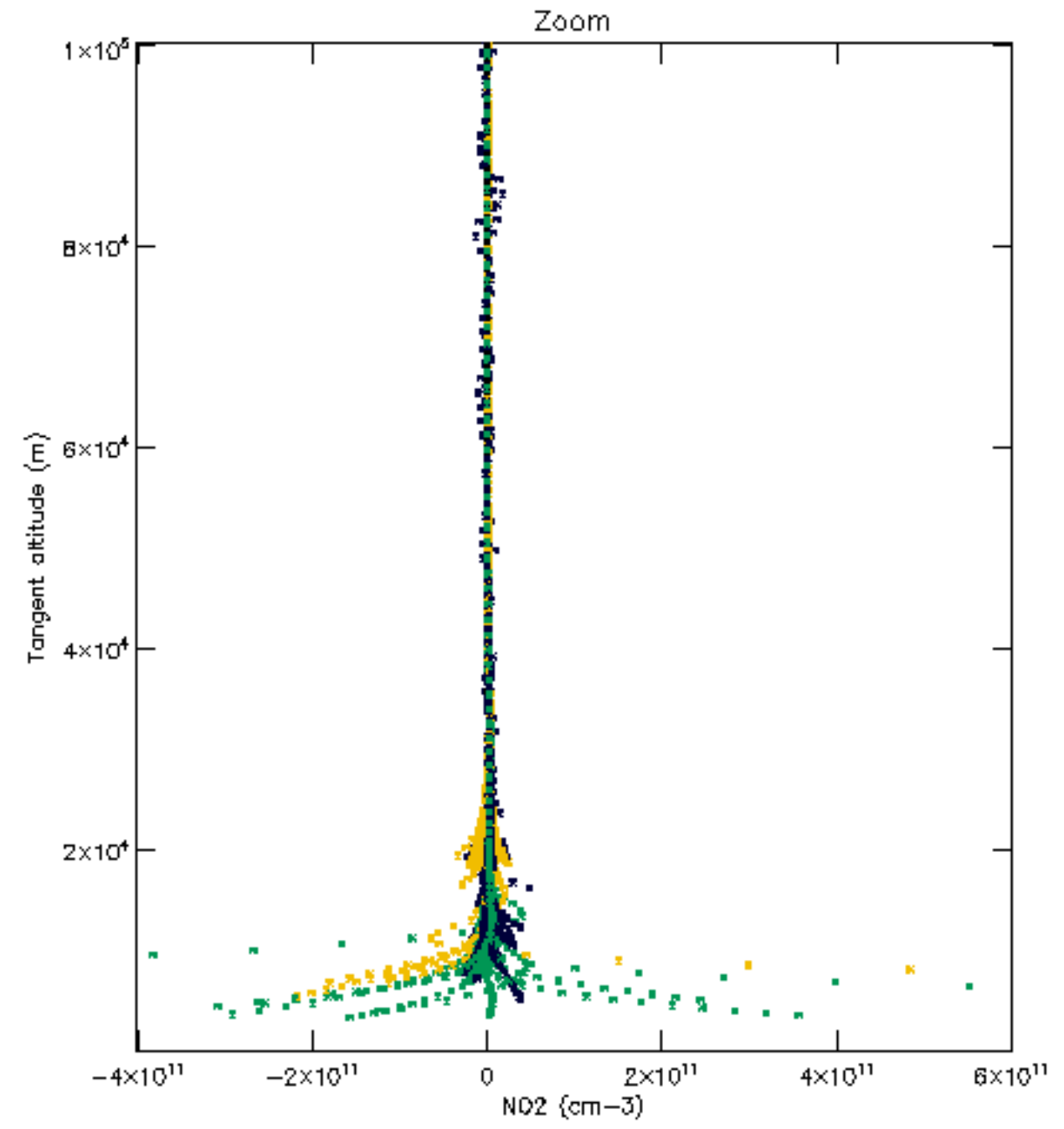
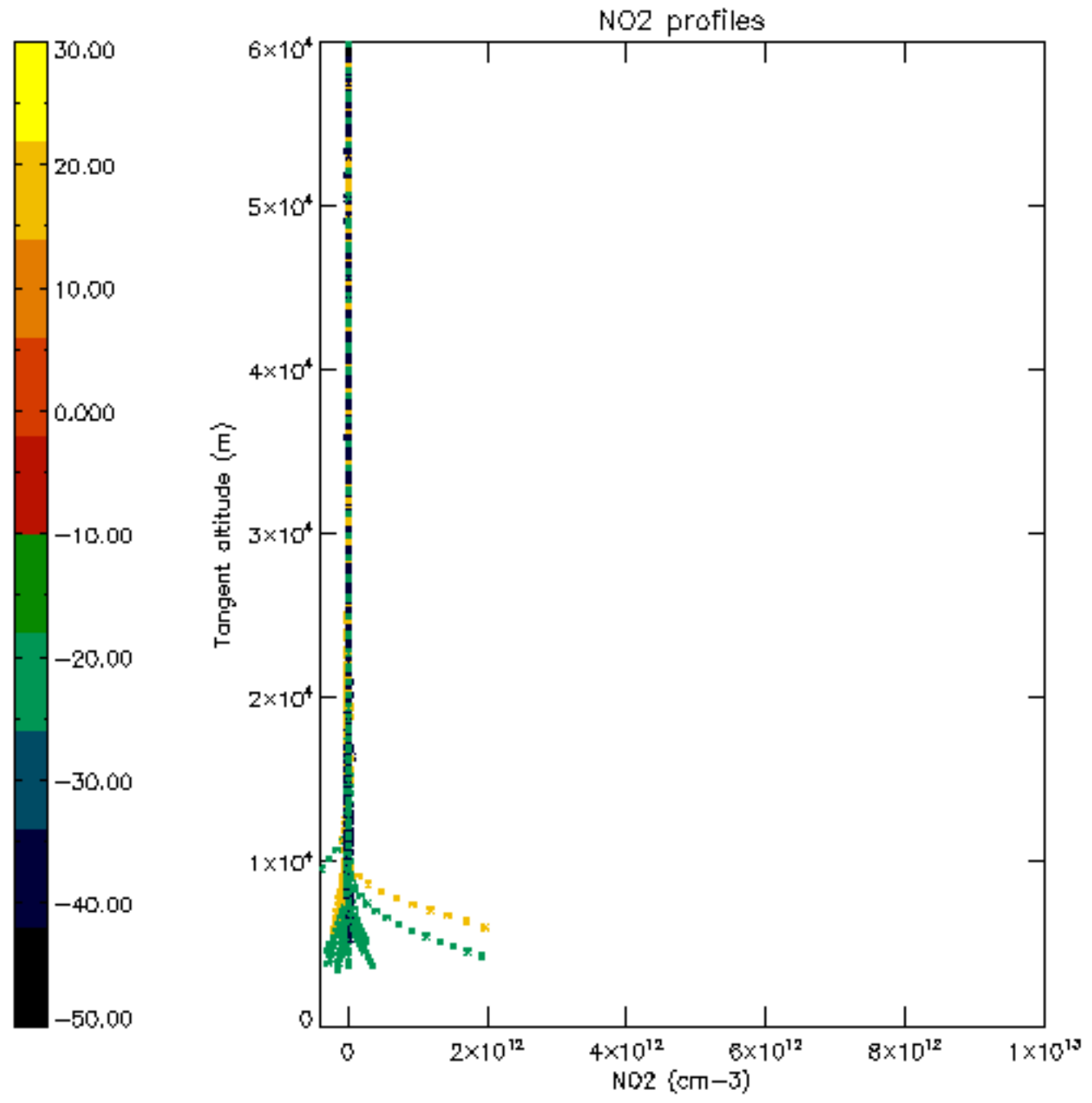


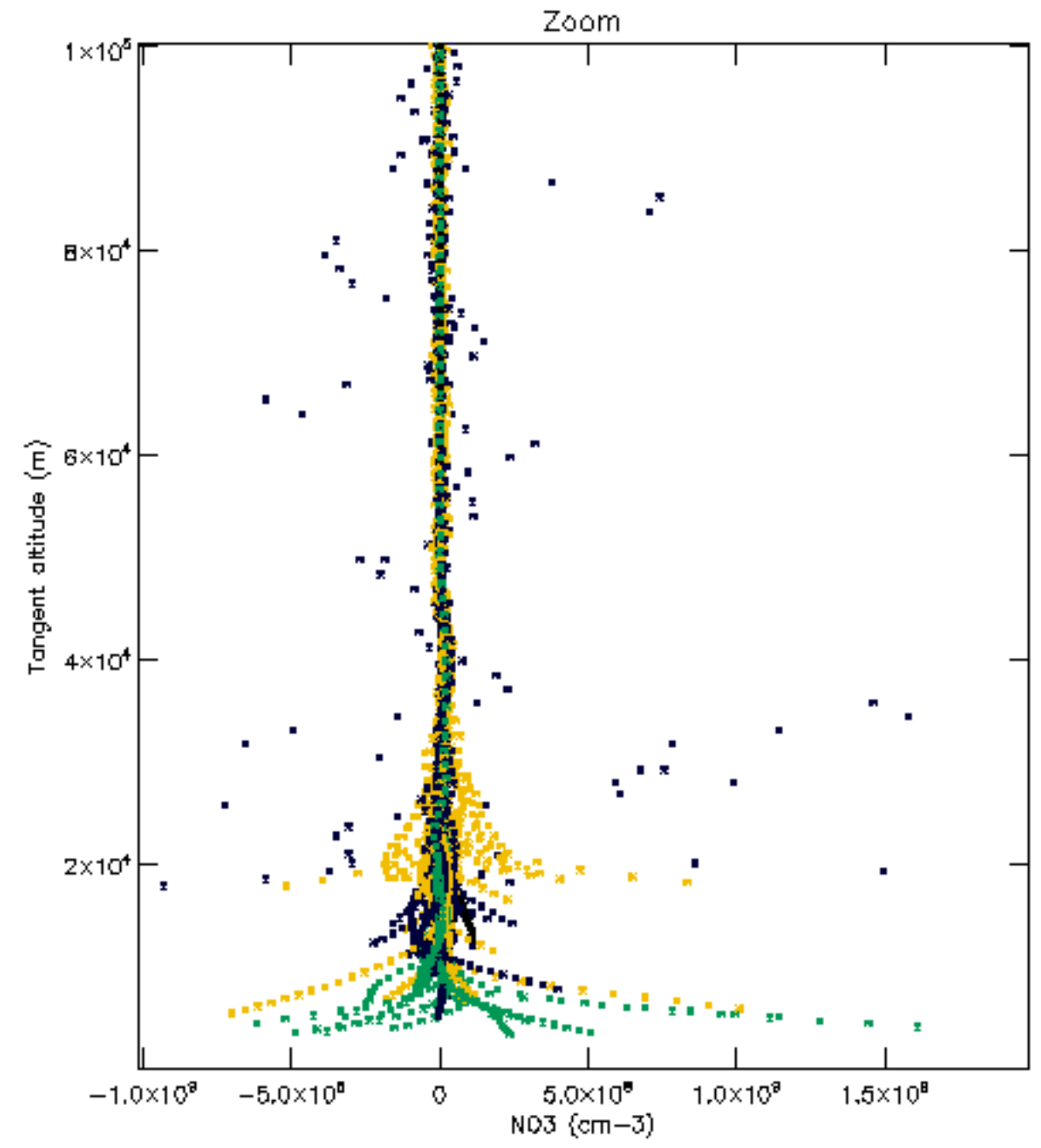
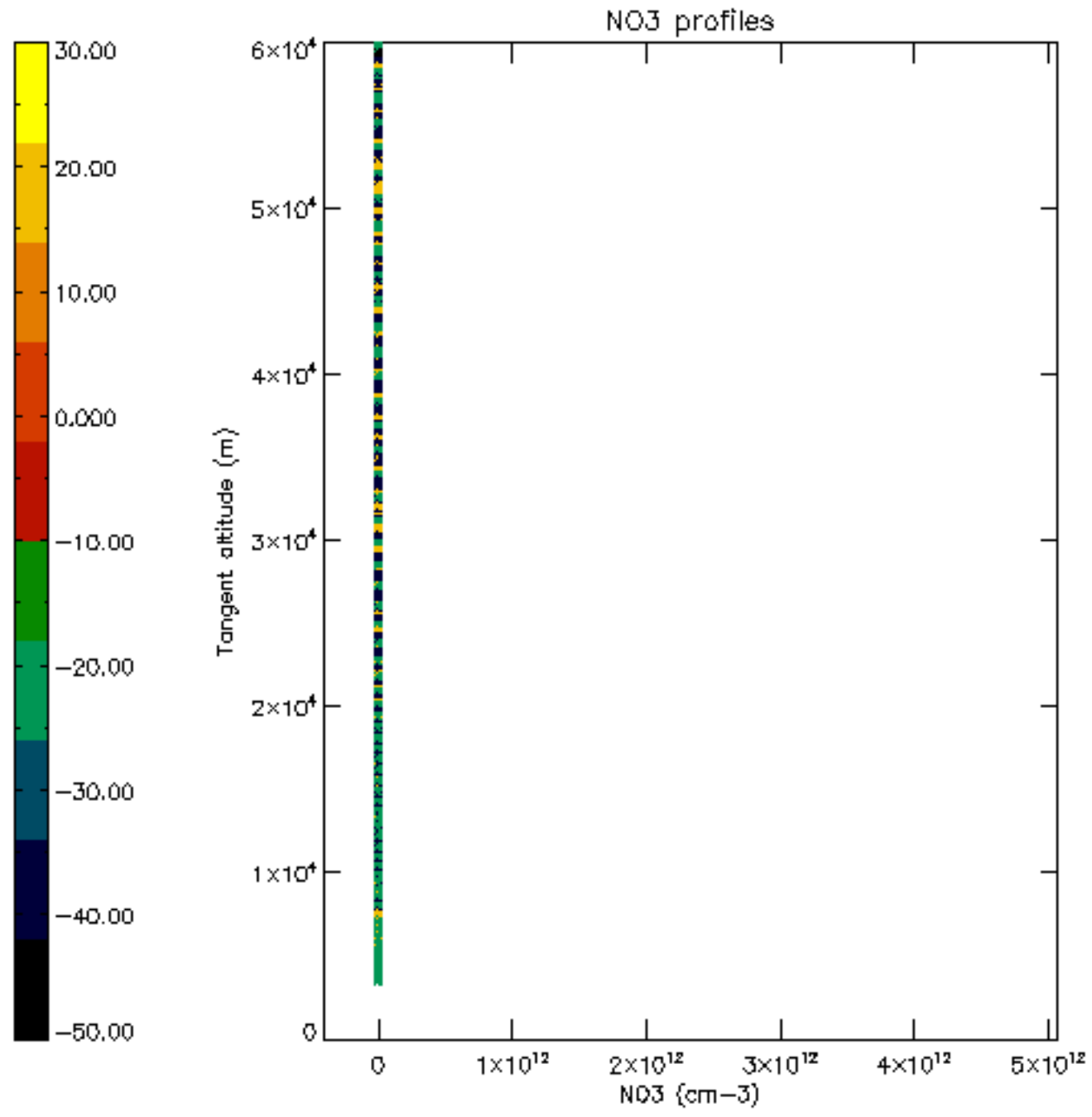


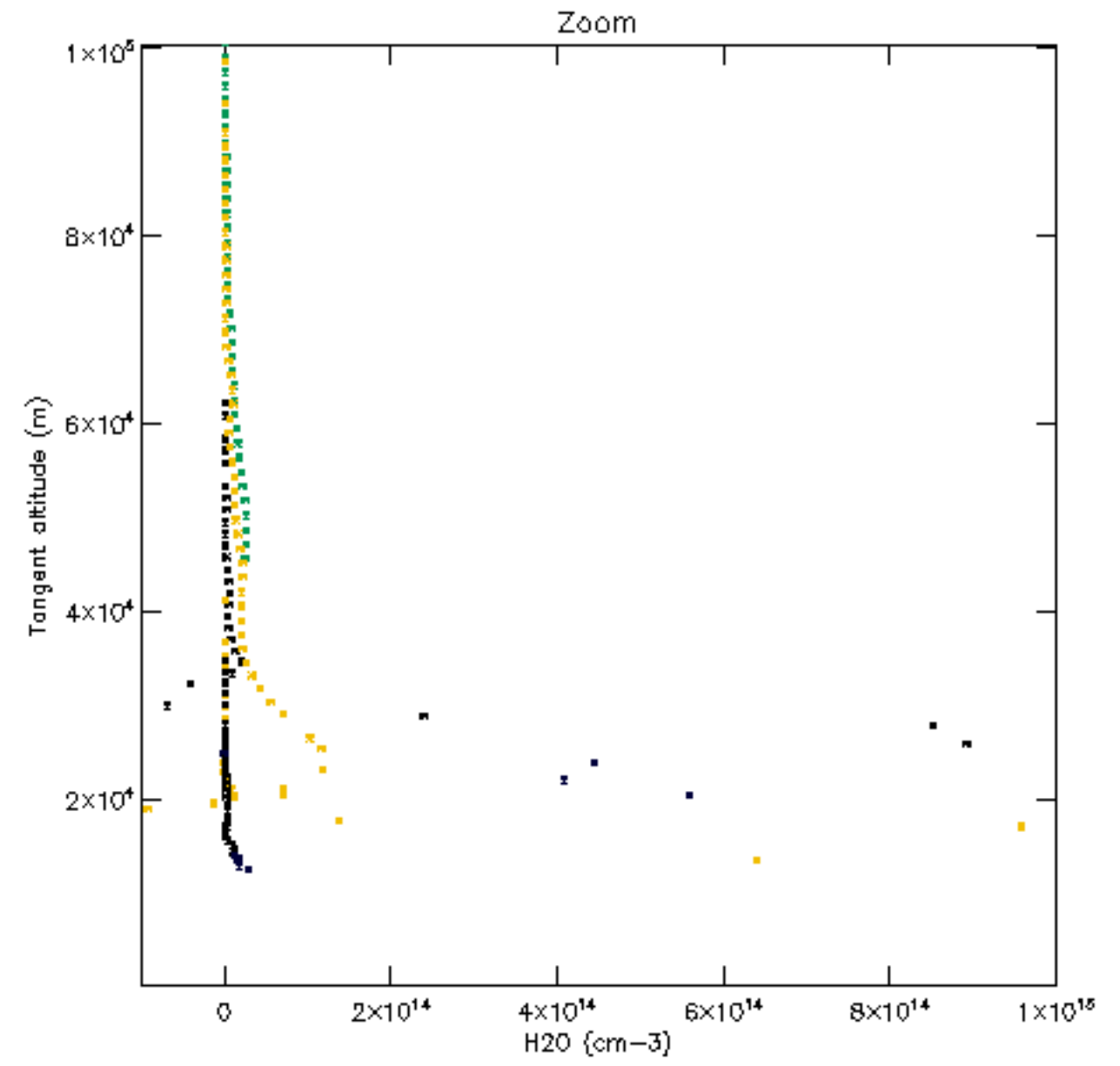
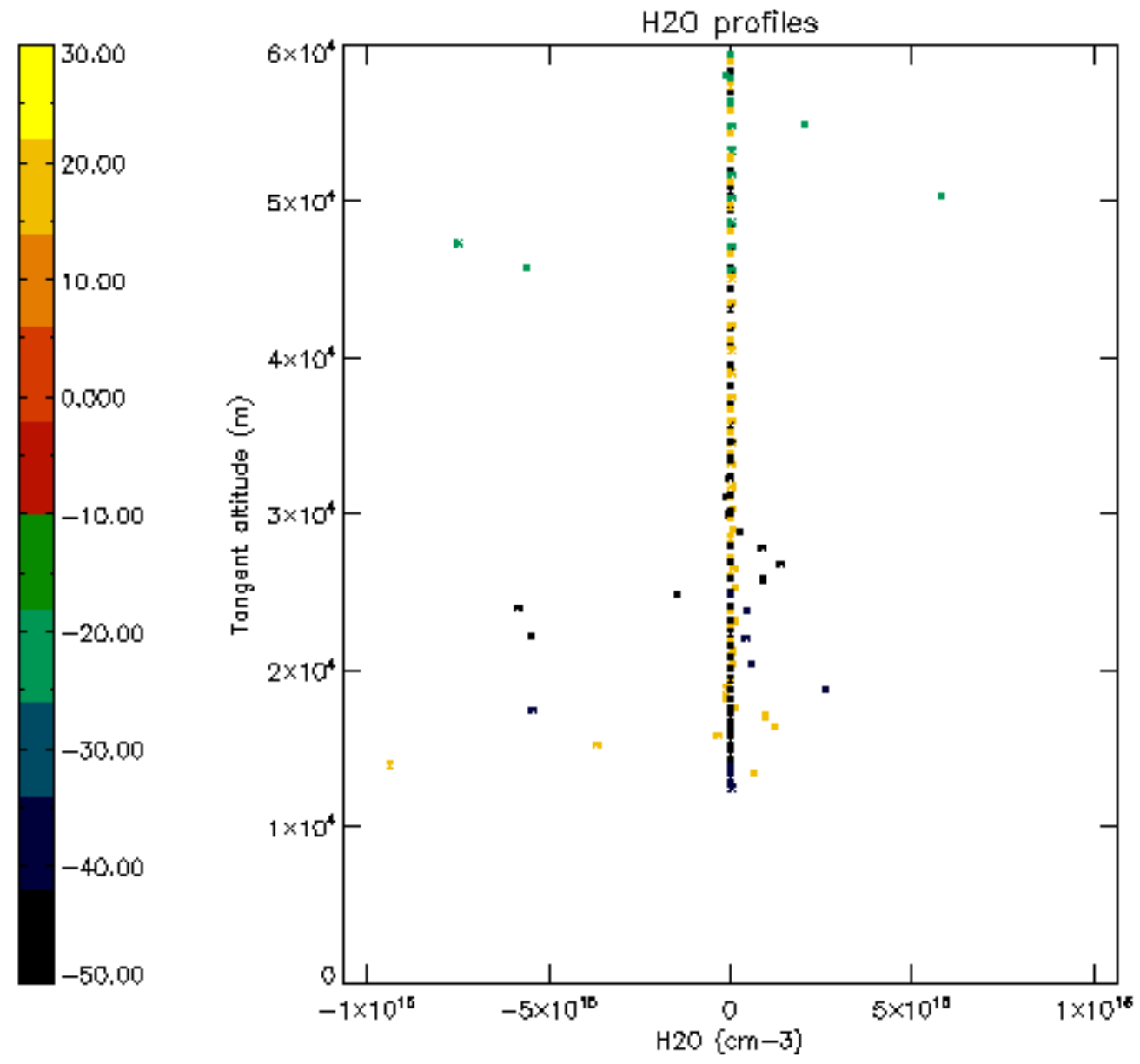


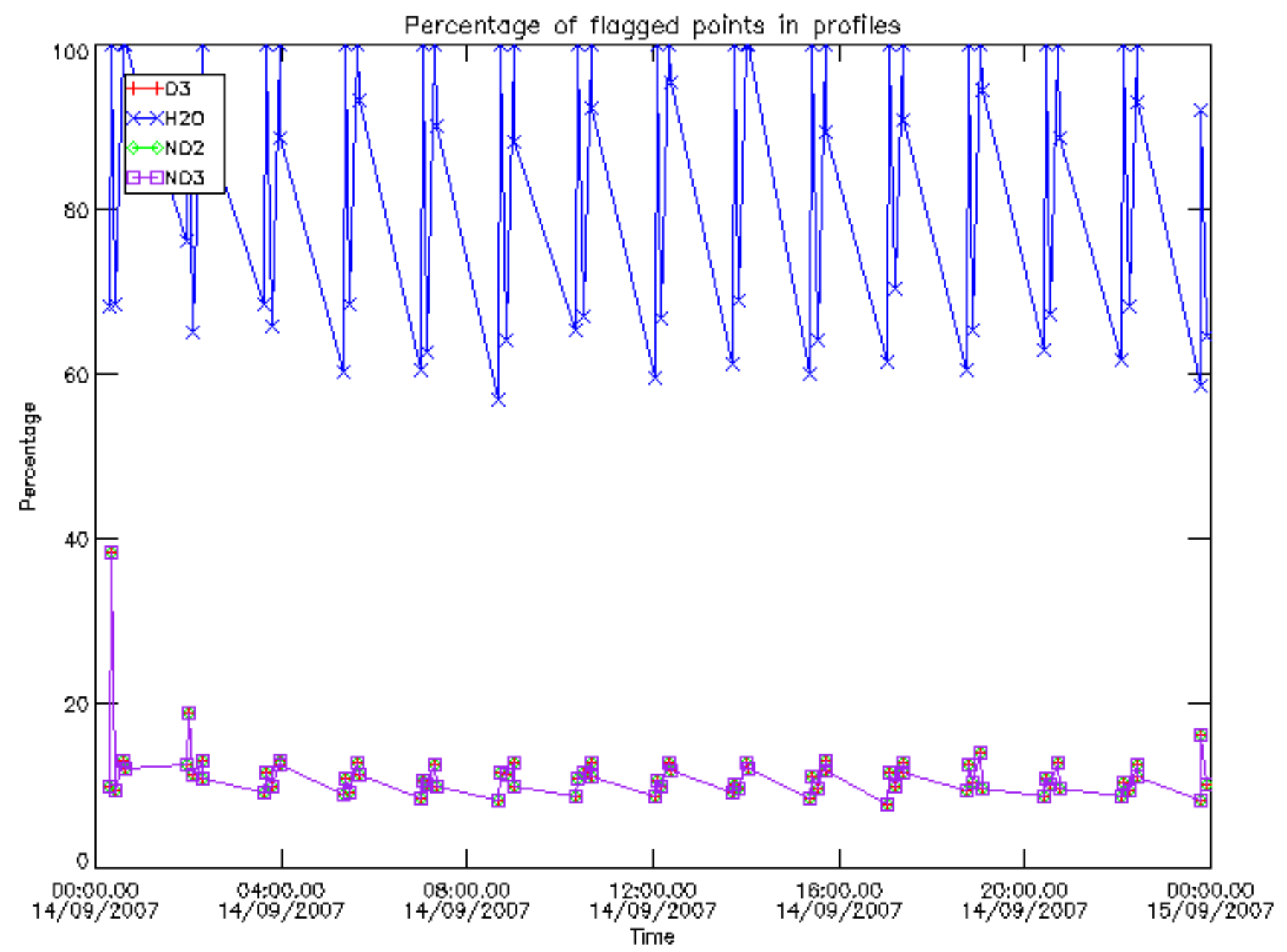






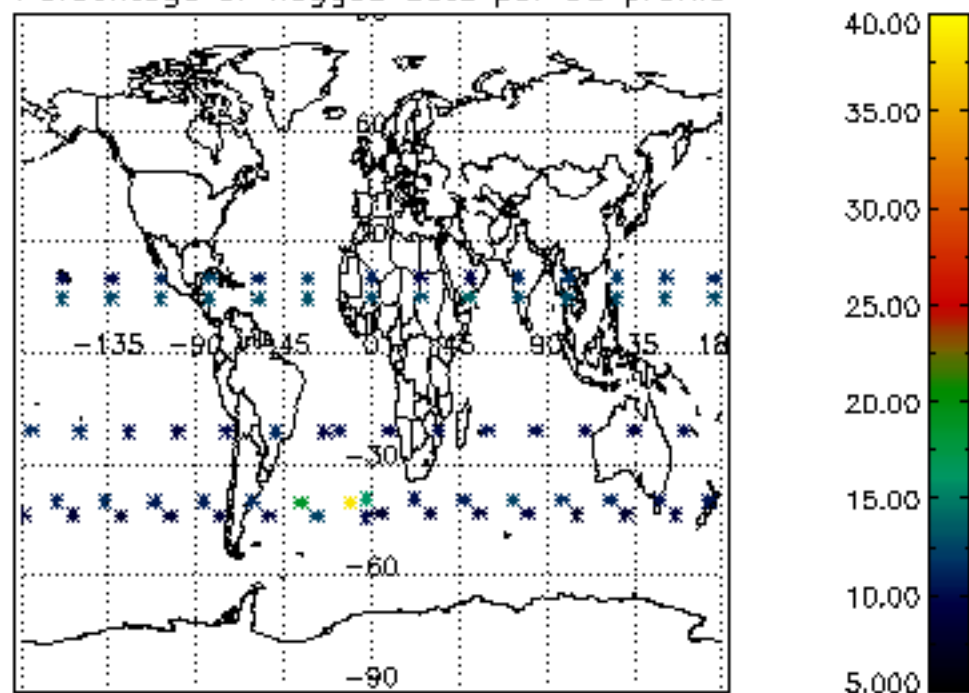




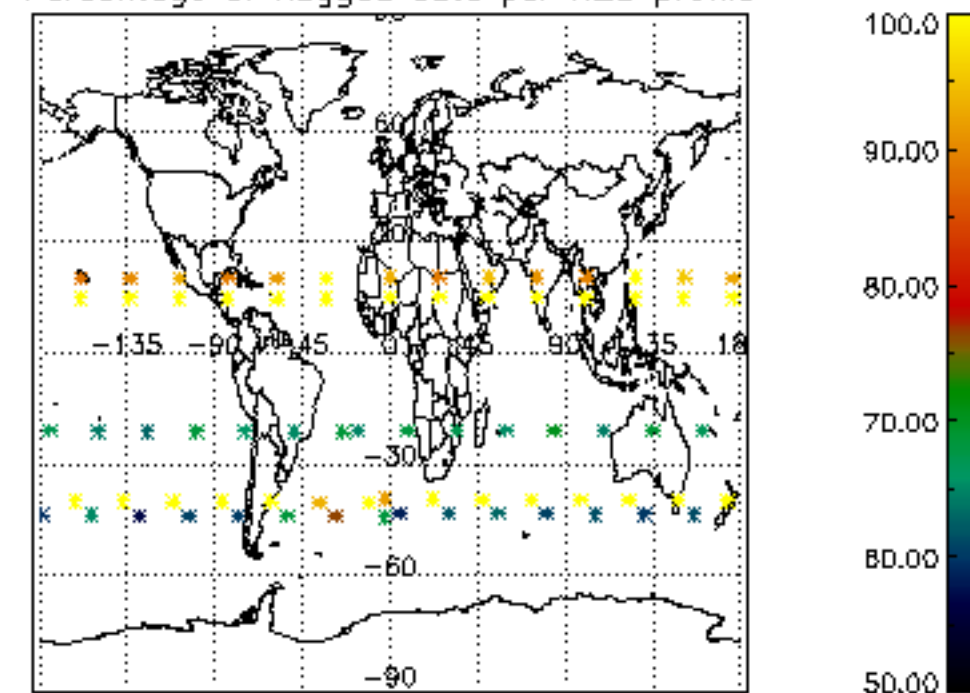




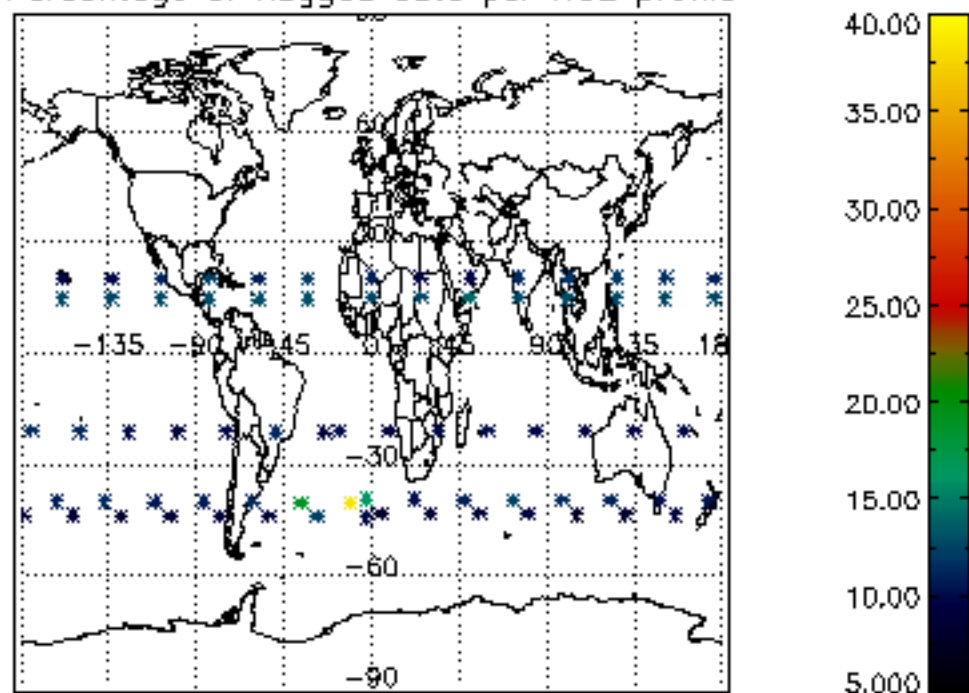
Percentage of flagged data per D3 profile



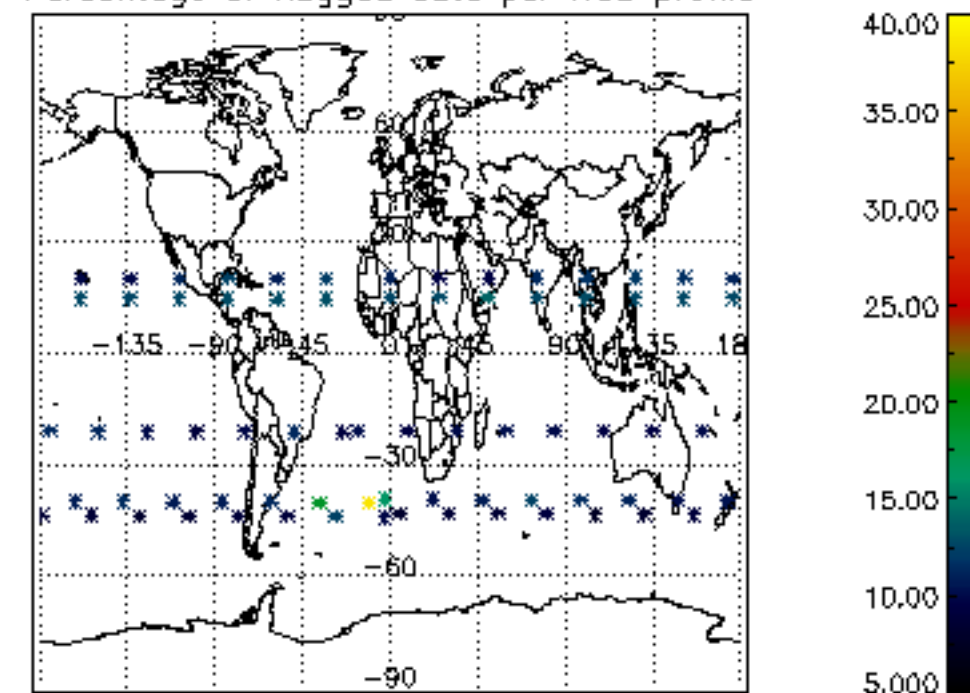
Percentage of flagged data per H2O profile

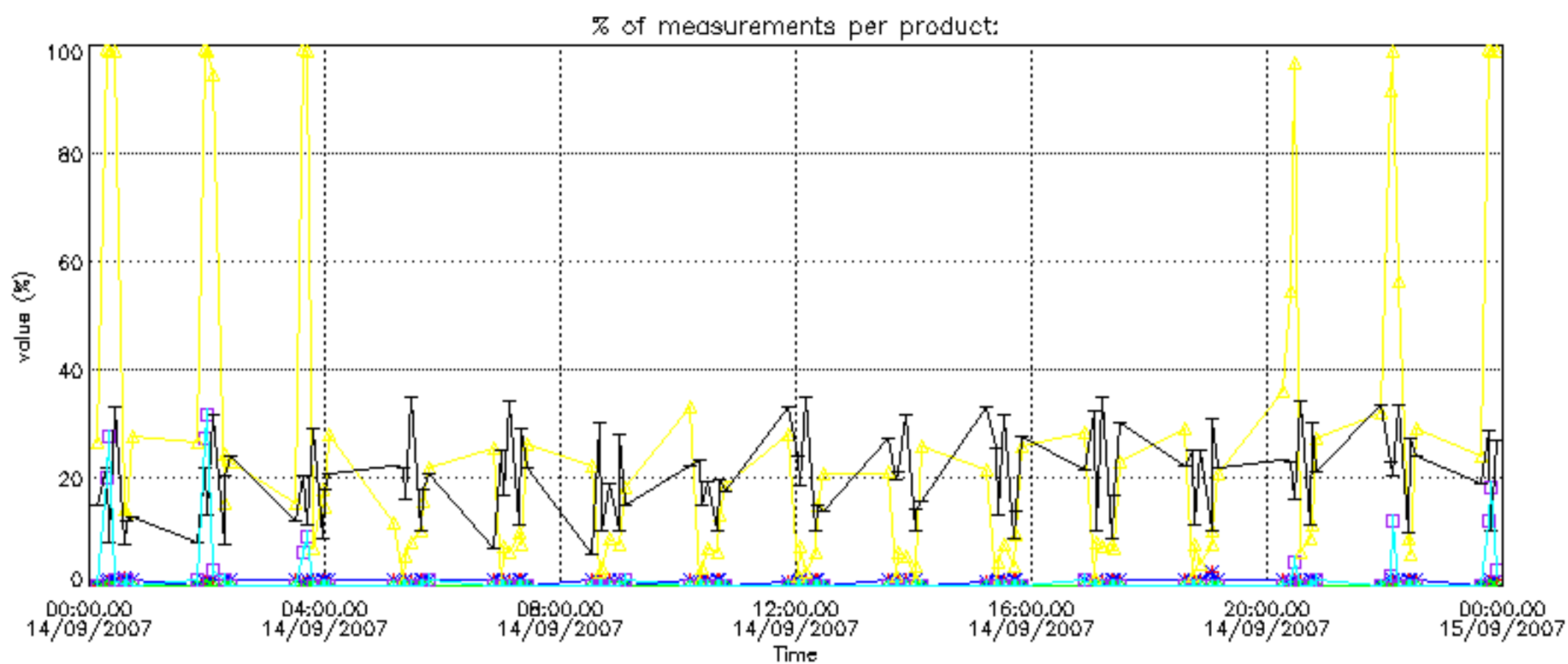


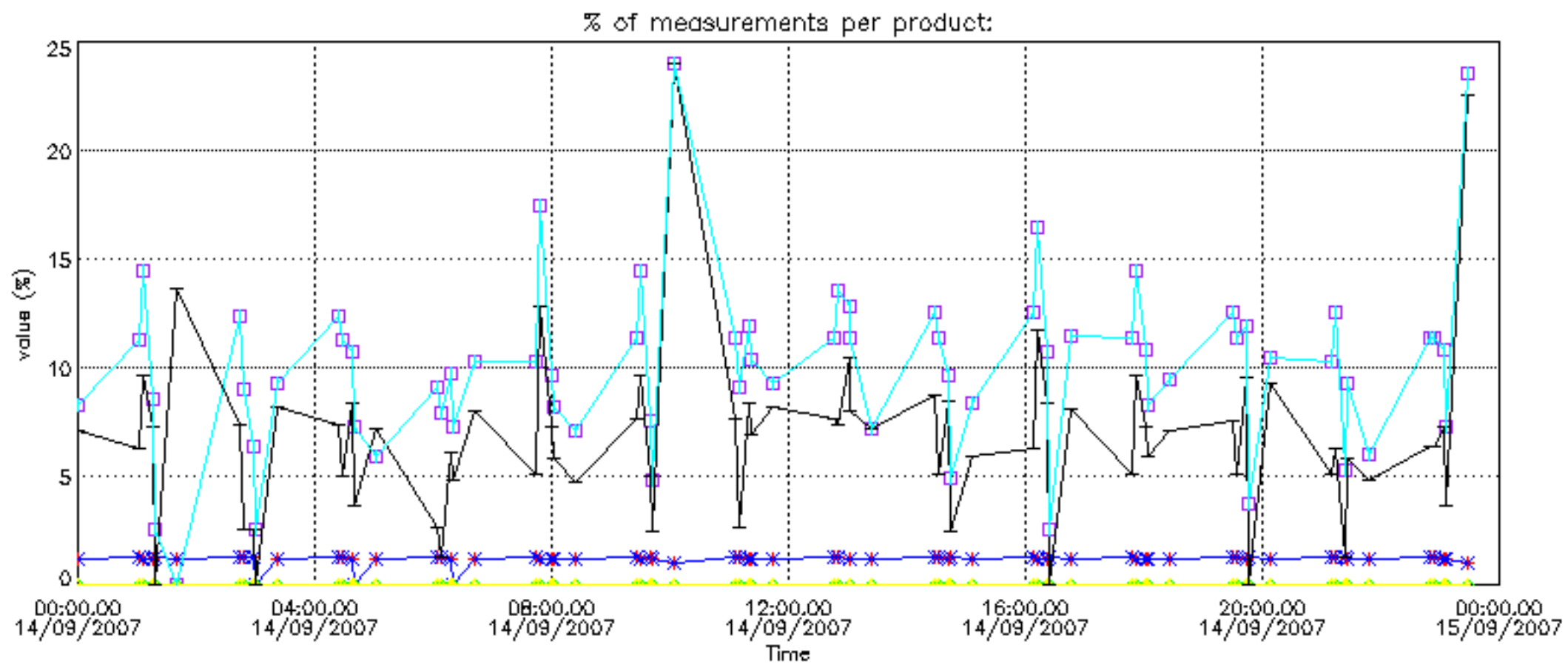
Percentage of flagged data per NO2 profile



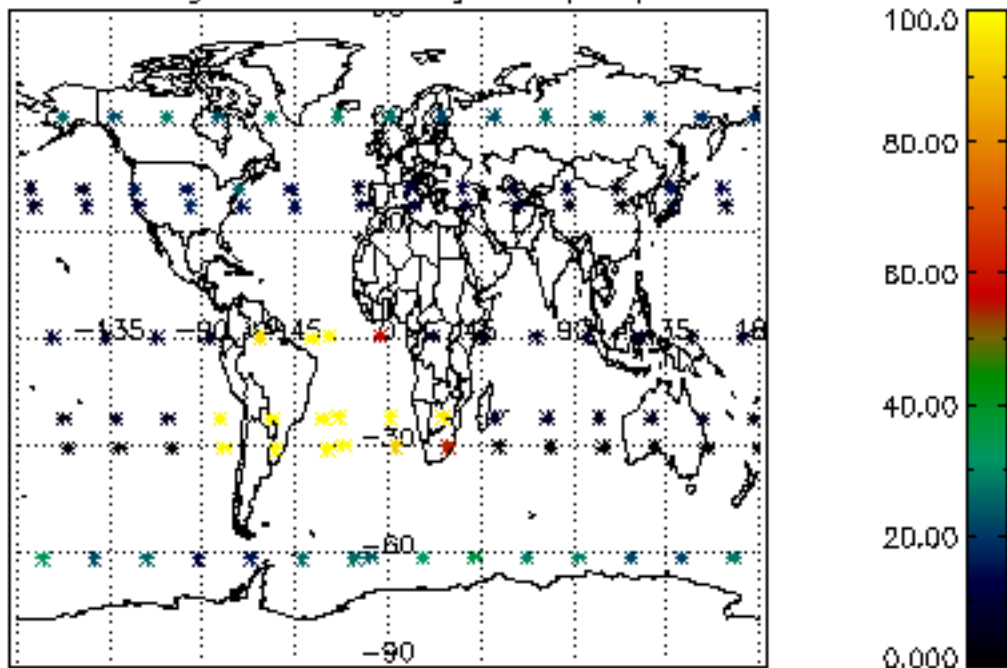
Percentage of flagged data per NO3 profile



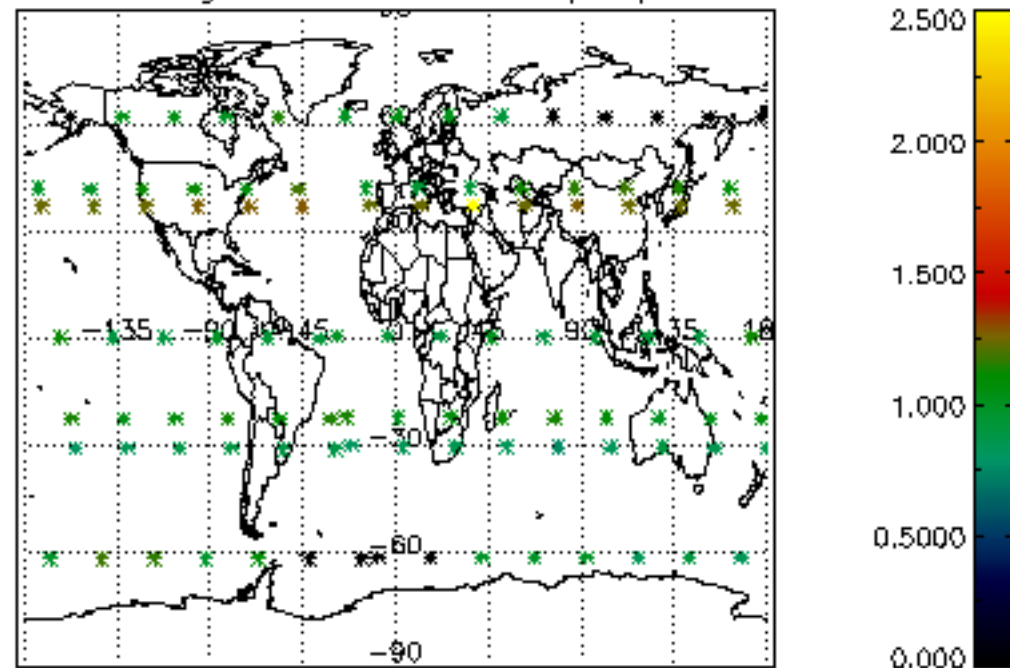




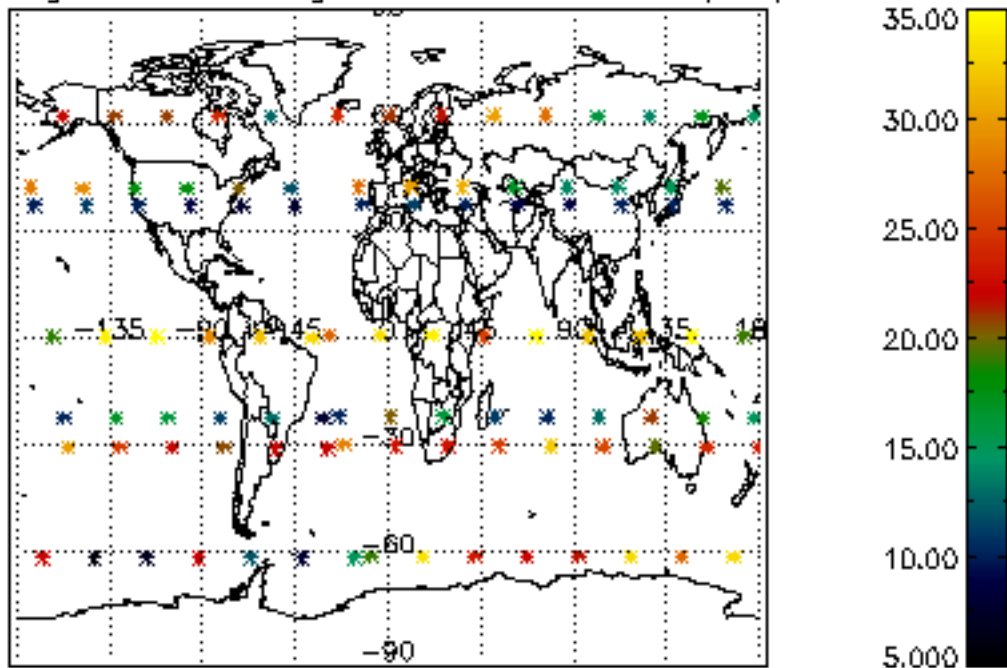
Percentage of cosmic ray hits per profile



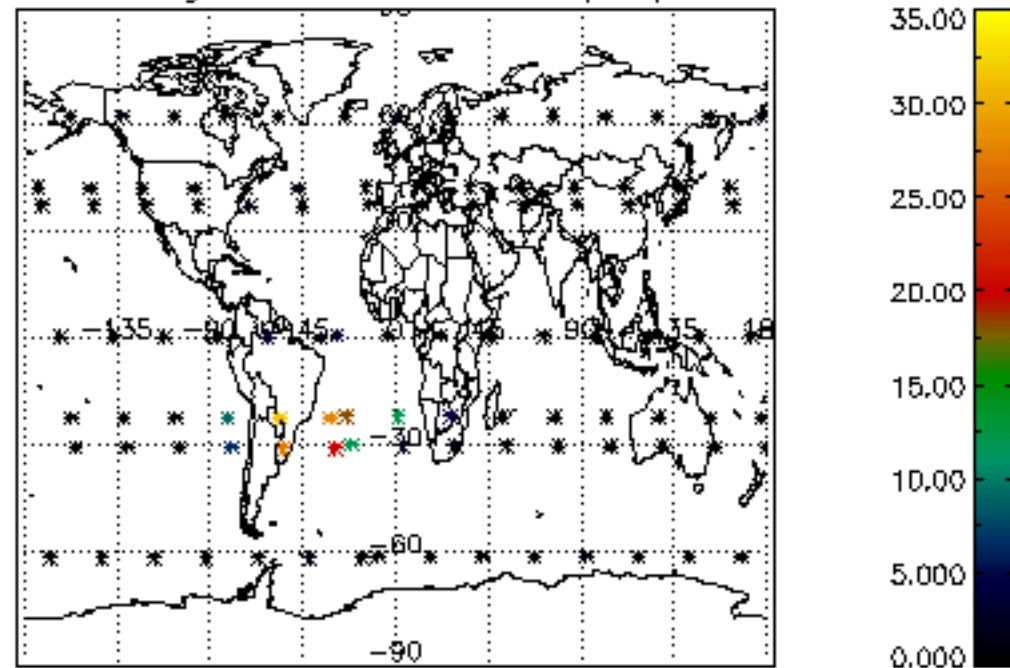
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

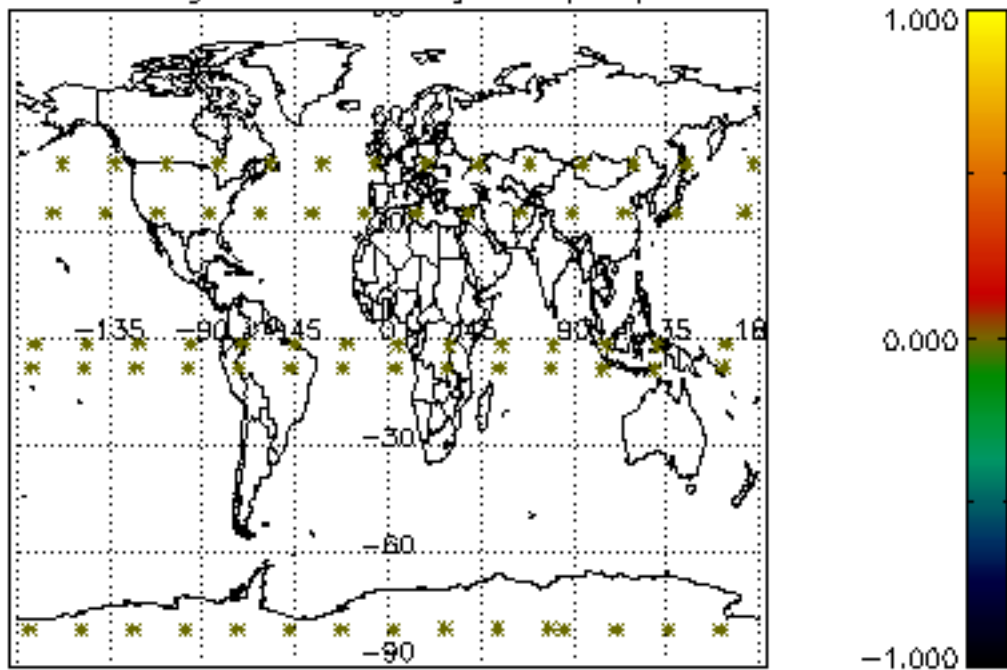


Percentage of saturation errors per profile

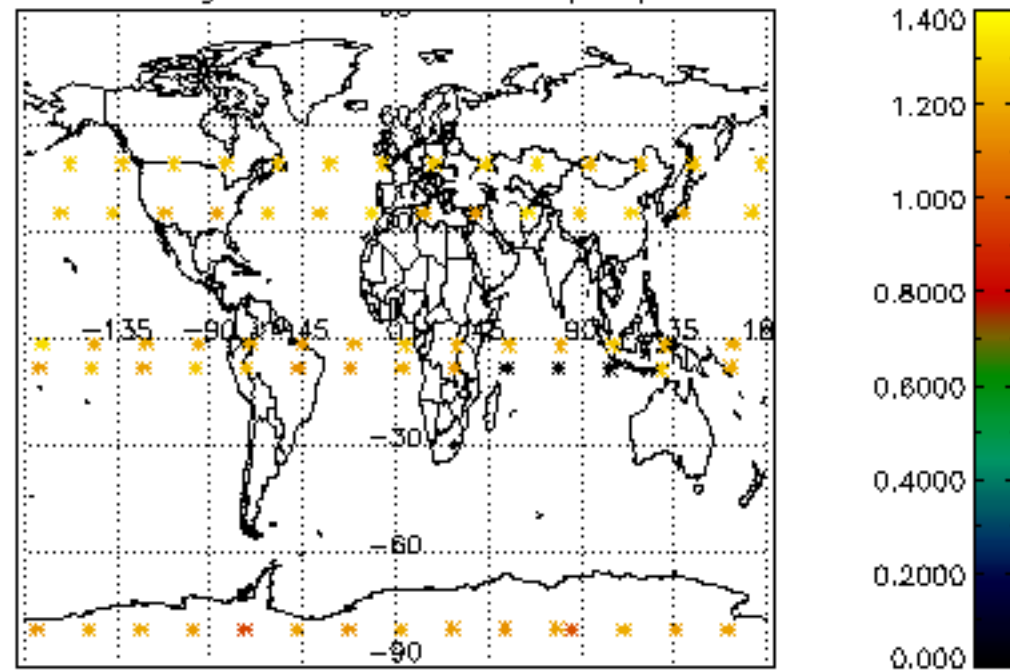




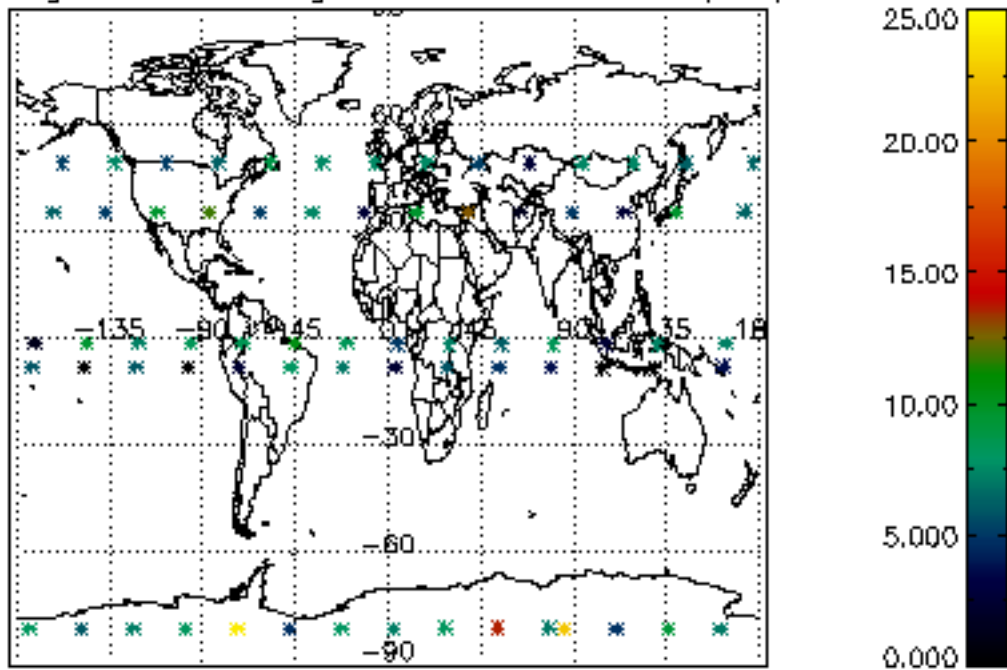
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

