

# 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	29APR2013 13:36:25
Data source version	GOMOS/6.01
Start time of products	30-07-2010 (30JUL2010 00:00:00)
Stop time of products	31-07-2010 (31JUL2010 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	272
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__2PRFIN20100730_000029_000000462091_00345_43986_8091.N1	30-JUL-2010 00:00:29	Bright	45.500	28	12Bet Tau	1.6500	15200.	91	43986	No
2	GOM_NL__2PRFIN20100730_000233_000000422091_00345_43986_8092.N1	30-JUL-2010 00:02:33	Twi_and_stray	41.500	176	23Zet Tau	3.0200	22000.	83	43986	No
3	GOM_NL__2PRFIN20100730_000457_000000572091_00345_43986_8093.N1	30-JUL-2010 00:04:57	Dark	56.500	13	87Alp Tau	0.86700	3800.0	113	43986	No
4	GOM_NL__2PRFIN20100730_000659_000000412091_00345_43986_8094.N1	30-JUL-2010 00:06:59	Dark	41.000	27	24Gam Ori	1.6360	26000.	82	43986	No
5	GOM_NL__2PRFIN20100730_001119_000000392091_00345_43986_8095.N1	30-JUL-2010 00:11:19	Dark	38.500	7	19Bet Ori	0.10000	14000.	77	43986	No
6	GOM_NL__2PRFIN20100730_001538_000000532091_00345_43986_8096.N1	30-JUL-2010 00:15:38	Dark	52.500	165	34Gam Eri	2.9500	3200.0	105	43986	No
7	GOM_NL__2PRFIN20100730_002502_000000462091_00345_43986_8097.N1	30-JUL-2010 00:25:02	Dark	45.500	157	The1Eri	2.9060	9300.0	91	43986	No
8	GOM_NL__2PRFIN20100730_003041_000000462091_00346_43987_8091.N1	30-JUL-2010 00:30:41	Dark	46.000	9	Alp Eri	0.45300	24000.	92	43987	No
9	GOM_NL__2PRFIN20100730_003514_000000592091_00346_43987_8092.N1	30-JUL-2010 00:35:14	Straylight	59.000	84	Alp Phe	2.3970	4500.0	118	43987	No
10	GOM_NL__2PRFIN20100730_003740_000000402091_00346_43987_8093.N1	30-JUL-2010 00:37:40	Straylight	40.000	148	Alp Tuc	2.8780	4100.0	80	43987	No
11	GOM_NL__2PRFIN20100730_004058_000000532091_00346_43987_8094.N1	30-JUL-2010 00:40:58	Straylight	53.000	31	Alp Gru	1.7340	15200.	106	43987	No
12	GOM_NL__2PRFIN20100730_004408_000000462091_00346_43987_8095.N1	30-JUL-2010 00:44:08	Straylight	46.000	172	Gam Gru	3.0030	13100.	92	43987	No
13	GOM_NL__2PRFIN20100730_010018_000000392091_00346_43987_8096.N1	30-JUL-2010 01:00:18	Bright	39.000	11	53Alp Aql	0.76500	8000.0	78	43987	No
14	GOM_NL__2PRFIN20100730_010914_000000482091_00346_43987_8097.N1	30-JUL-2010 01:09:14	Bright	47.500	92	53Eps Cyg	2.5000	4500.0	95	43987	No
15	GOM_NL__2PRFIN20100730_011058_000000372091_00346_43987_8098.N1	30-JUL-2010 01:10:58	Bright	37.000	144	18Del Cyg	2.8600	11000.	74	43987	No
16	GOM_NL__2PRFIN20100730_011219_000000452091_00346_43987_8099.N1	30-JUL-2010 01:12:19	Bright	44.500	19	50Alp Cyg	1.2460	10500.	89	43987	No
17	GOM_NL__2PRFIN20100730_011741_000000422091_00346_43987_8100.N1	30-JUL-2010 01:17:41	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	43987	No
18	GOM_NL__2PRFIN20100730_013226_000000682091_00346_43987_8101.N1	30-JUL-2010 01:32:26	Bright	68.000	160	23Gam Per	2.9300	4700.0	136	43987	No
19	GOM_NL__2PRFIN20100730_013403_000000482091_00346_43987_8102.N1	30-JUL-2010 01:34:03	Bright	48.000	35	33Alp Per	1.7950	6250.0	96	43987	No
20	GOM_NL__2PRFIN20100730_013556_000000452091_00346_43987_8103.N1	30-JUL-2010 01:35:56	Bright	44.500	6	13Alp Aur	0.080000	3400.0	89	43987	No
21	GOM_NL__2PRFIN20100730_013753_000000532091_00346_43987_8104.N1	30-JUL-2010 01:37:53	Bright	52.500	149	45Eps Per	2.8880	30000.	105	43987	No
22	GOM_NL__2PRFIN20100730_014106_000000442091_00346_43987_8105.N1	30-JUL-2010 01:41:06	Bright	44.000	28	12Bet Tau	1.6500	15200.	88	43987	No
23	GOM_NL__2PRFIN20100730_014309_000000392091_00346_43987_8106.N1	30-JUL-2010 01:43:09	Twi_and_stray	39.000	176	23Zet Tau	3.0200	22000.	78	43987	No
24	GOM_NL__2PRFIN20100730_014534_000000582091_00346_43987_8107.N1	30-JUL-2010 01:45:34	Dark	57.500	13	87Alp Tau	0.86700	3800.0	115	43987	No
25	GOM_NL__2PRFIN20100730_014735_000000392091_00346_43987_8108.N1	30-JUL-2010 01:47:35	Dark	38.500	27	24Gam Ori	1.6360	26000.	77	43987	No
26	GOM_NL__2PRFIN20100730_015155_000000452091_00346_43987_8109.N1	30-JUL-2010 01:51:55	Dark	44.500	7	19Bet Ori	0.10000	14000.	89	43987	No
27	GOM_NL__2PRFIN20100730_015615_000000492091_00346_43987_8110.N1	30-JUL-2010 01:56:15	Dark	49.000	165	34Gam Eri	2.9500	3200.0	98	43987	No
28	GOM_NL__2PRFIN20100730_021118_000000452091_00347_43988_8123.N1	30-JUL-2010 02:11:18	Dark	45.000	9	Alp Eri	0.45300	24000.	90	43988	No
29	GOM_NL__2PRFIN20100730_021552_000000672091_00347_43988_8124.N1	30-JUL-2010 02:15:52	Straylight	66.500	84	Alp Phe	2.3970	4500.0	133	43988	No
30	GOM_NL__2PRFIN20100730_021818_000000482091_00347_43988_8125.N1	30-JUL-2010 02:18:18	Straylight	48.000	148	Alp Tuc	2.8780	4100.0	96	43988	No
31	GOM_NL__2PRFIN20100730_022135_000000492091_00347_43988_8126.N1	30-JUL-2010 02:21:35	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	43988	No
32	GOM_NL__2PRFIN20100730_022445_000000462091_00347_43988_8127.N1	30-JUL-2010 02:24:45	Straylight	46.000	172	Gam Gru	3.0030	13100.	92	43988	No
33	GOM_NL__2PRFIN20100730_024054_000000412091_00347_43988_8128.N1	30-JUL-2010 02:40:54	Bright	40.500	11	53Alp Aql	0.76500	8000.0	81	43988	No
34	GOM_NL__2PRFIN20100730_024949_000000472091_00347_43988_8129.N1	30-JUL-2010 02:49:49	Bright	46.500	92	53Eps Cyg	2.5000	4500.0	93	43988	No
35	GOM_NL__2PRFIN20100730_025134_000000372091_00347_43988_8130.N1	30-JUL-2010 02:51:34	Bright	37.000	144	18Del Cyg	2.8600	11000.	74	43988	No
36	GOM_NL__2PRFIN20100730_025254_000000452091_00347_43988_8131.N1	30-JUL-2010 02:52:54	Bright	45.000	19	50Alp Cyg	1.2460	10500.	90	43988	No
37	GOM_NL__2PRFIN20100730_025817_000000382091_00347_43988_8132.N1	30-JUL-2010 02:58:17	Bright	37.500	89	5Alp Cep	2.4510	8000.0	75	43988	No
38	GOM_NL__2PRFIN20100730_031302_000000482091_00347_43988_8133.N1	30-JUL-2010 03:13:02	Bright	48.000	160	23Gam Per	2.9300	4700.0	96	43988	No
39	GOM_NL__2PRFIN20100730_031439_000000472091_00347_43988_8134.N1	30-JUL-2010 03:14:39	Bright	47.000	35	33Alp Per	1.7950	6250.0	94	43988	No
40	GOM_NL__2PRFIN20100730_031632_000000452091_00347_43988_8135.N1	30-JUL-2010 03:16:32	Bright	44.500	6	13Alp Aur	0.080000	3400.0	89	43988	No
41	GOM_NL__2PRFIN20100730_031829_000000472091_00347_43988_8136.N1	30-JUL-2010 03:18:29	Bright	47.000	149	45Eps Per	2.8880	30000.	94	43988	No
42	GOM_NL__2PRFIN20100730_032142_000000452091_00347_43988_8137.N1	30-JUL-2010 03:21:42	Bright	44.500	28	12Bet Tau	1.6500	15200.	89	43988	No

43	GOM_NL__2PRFIN20100730_032345_000000422091_00347_43988_8138.N1	30-JUL-2010 03:23:45	Twilight	41.500	176	23Zet Tau	3.0200	22000.	83	43988	No
44	GOM_NL__2PRFIN20100730_032610_000000612091_00347_43988_8139.N1	30-JUL-2010 03:26:10	Dark	60.500	13	87Alp Tau	0.86700	3800.0	121	43988	No
45	GOM_NL__2PRFIN20100730_032812_000000372091_00347_43988_8140.N1	30-JUL-2010 03:28:12	Dark	37.000	27	24Gam Ori	1.6360	26000.	74	43988	No
46	GOM_NL__2PRFIN20100730_033232_000000472091_00347_43988_8141.N1	30-JUL-2010 03:32:32	Dark	46.500	7	19Bet Ori	0.10000	14000.	93	43988	No
47	GOM_NL__2PRFIN20100730_033652_000000542091_00347_43988_8142.N1	30-JUL-2010 03:36:52	Dark	53.500	165	34Gam Eri	2.9500	3200.0	107	43988	No
48	GOM_NL__2PRFIN20100730_034616_000000452091_00347_43988_8143.N1	30-JUL-2010 03:46:16	Dark	44.500	157	The1Eri	2.9060	9300.0	89	43988	No
49	GOM_NL__2PRFIN20100730_035154_000000432091_00348_43989_8136.N1	30-JUL-2010 03:51:54	Dark	42.500	9	Alp Eri	0.45300	24000.	85	43989	No
50	GOM_NL__2PRFIN20100730_035628_000000582091_00348_43989_8137.N1	30-JUL-2010 03:56:28	Straylight	58.000	84	Alp Phe	2.3970	4500.0	116	43989	No
51	GOM_NL__2PRFIN20100730_035856_000000422091_00348_43989_8138.N1	30-JUL-2010 03:58:56	Straylight	41.500	148	Alp Tuc	2.8780	4100.0	83	43989	No
52	GOM_NL__2PRFIN20100730_040211_000000472091_00348_43989_8139.N1	30-JUL-2010 04:02:11	Straylight	46.500	31	Alp Gru	1.7340	15200.	93	43989	No
53	GOM_NL__2PRFIN20100730_040521_000000452091_00348_43989_8140.N1	30-JUL-2010 04:05:21	Straylight	44.500	172	Gam Gru	3.0030	13100.	89	43989	No
54	GOM_NL__2PRFIN20100730_042130_000000382091_00348_43989_8141.N1	30-JUL-2010 04:21:30	Bright	38.000	11	53Alp Aql	0.76500	8000.0	76	43989	No
55	GOM_NL__2PRFIN20100730_043024_000000492091_00348_43989_8142.N1	30-JUL-2010 04:30:24	Bright	48.500	92	53Eps Cyg	2.5000	4500.0	97	43989	No
56	GOM_NL__2PRFIN20100730_043210_000000382091_00348_43989_8143.N1	30-JUL-2010 04:32:10	Bright	37.500	144	18Del Cyg	2.8600	11000.	75	43989	No
57	GOM_NL__2PRFIN20100730_043329_000000432091_00348_43989_8144.N1	30-JUL-2010 04:33:29	Bright	42.500	19	50Alp Cyg	1.2460	10500.	85	43989	No
58	GOM_NL__2PRFIN20100730_043852_000000382091_00348_43989_8145.N1	30-JUL-2010 04:38:52	Bright	38.000	89	5Alp Cep	2.4510	8000.0	76	43989	No
59	GOM_NL__2PRFIN20100730_045338_000000682091_00348_43989_8146.N1	30-JUL-2010 04:53:38	Bright	68.000	160	23Gam Per	2.9300	4700.0	136	43989	No
60	GOM_NL__2PRFIN20100730_045515_000000512091_00348_43989_8147.N1	30-JUL-2010 04:55:15	Bright	50.500	35	33Alp Per	1.7950	6250.0	101	43989	No
61	GOM_NL__2PRFIN20100730_045708_000000422091_00348_43989_8148.N1	30-JUL-2010 04:57:08	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	43989	No
62	GOM_NL__2PRFIN20100730_045905_000000622091_00348_43989_8149.N1	30-JUL-2010 04:59:05	Bright	62.000	149	45Eps Per	2.8880	30000.	124	43989	No
63	GOM_NL__2PRFIN20100730_050218_000000472091_00348_43989_8150.N1	30-JUL-2010 05:02:18	Bright	46.500	28	12Bet Tau	1.6500	15200.	93	43989	No
64	GOM_NL__2PRFIN20100730_050421_000000372091_00348_43989_8151.N1	30-JUL-2010 05:04:21	Twilight	37.000	176	23Zet Tau	3.0200	22000.	74	43989	No
65	GOM_NL__2PRFIN20100730_050646_000000582091_00348_43989_8152.N1	30-JUL-2010 05:06:46	Dark	57.500	13	87Alp Tau	0.86700	3800.0	115	43989	No
66	GOM_NL__2PRFIN20100730_050848_000000392091_00348_43989_8153.N1	30-JUL-2010 05:08:48	Dark	39.000	27	24Gam Ori	1.6360	26000.	78	43989	No
67	GOM_NL__2PRFIN20100730_051308_000000462091_00348_43989_8154.N1	30-JUL-2010 05:13:08	Dark	46.000	7	19Bet Ori	0.10000	14000.	92	43989	No
68	GOM_NL__2PRFIN20100730_051728_000000542091_00348_43989_8155.N1	30-JUL-2010 05:17:28	Dark	54.000	165	34Gam Eri	2.9500	3200.0	108	43989	No
69	GOM_NL__2PRFIN20100730_052652_000000462091_00348_43989_8156.N1	30-JUL-2010 05:26:52	Dark	45.500	157	The1Eri	2.9060	9300.0	91	43989	No
70	GOM_NL__2PRFIN20100730_053231_000000532091_00349_43990_8152.N1	30-JUL-2010 05:32:31	Dark	52.500	9	Alp Eri	0.45300	24000.	105	43990	No
71	GOM_NL__2PRFIN20100730_053706_000000542091_00349_43990_8153.N1	30-JUL-2010 05:37:06	Straylight	53.500	84	Alp Phe	2.3970	4500.0	107	43990	No
72	GOM_NL__2PRFIN20100730_054248_000000452091_00349_43990_8154.N1	30-JUL-2010 05:42:48	Straylight	45.000	31	Alp Gru	1.7340	15200.	90	43990	No
73	GOM_NL__2PRFIN20100730_054558_000000452091_00349_43990_8155.N1	30-JUL-2010 05:45:58	Straylight	44.500	172	Gam Gru	3.0030	13100.	89	43990	No
74	GOM_NL__2PRFIN20100730_060206_000000392091_00349_43990_8156.N1	30-JUL-2010 06:02:06	Bright	38.500	11	53Alp Aql	0.76500	8000.0	77	43990	No
75	GOM_NL__2PRFIN20100730_061100_000000472091_00349_43990_8157.N1	30-JUL-2010 06:11:00	Bright	46.500	92	53Eps Cyg	2.5000	4500.0	93	43990	No
76	GOM_NL__2PRFIN20100730_061245_000000392091_00349_43990_8158.N1	30-JUL-2010 06:12:45	Bright	39.000	144	18Del Cyg	2.8600	11000.	78	43990	No
77	GOM_NL__2PRFIN20100730_061405_000000462091_00349_43990_8159.N1	30-JUL-2010 06:14:05	Bright	46.000	19	50Alp Cyg	1.2460	10500.	92	43990	No
78	GOM_NL__2PRFIN20100730_061928_000000422091_00349_43990_8160.N1	30-JUL-2010 06:19:28	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	43990	No
79	GOM_NL__2PRFIN20100730_063414_000000522091_00349_43990_8161.N1	30-JUL-2010 06:34:14	Bright	51.500	160	23Gam Per	2.9300	4700.0	103	43990	No
80	GOM_NL__2PRFIN20100730_063550_000000482091_00349_43990_8162.N1	30-JUL-2010 06:35:50	Bright	48.000	35	33Alp Per	1.7950	6250.0	96	43990	No
81	GOM_NL__2PRFIN20100730_063744_000000412091_00349_43990_8163.N1	30-JUL-2010 06:37:44	Bright	41.000	6	13Alp Aur	0.080000	3400.0	82	43990	No
82	GOM_NL__2PRFIN20100730_063941_000000662091_00349_43990_8164.N1	30-JUL-2010 06:39:41	Bright	66.000	149	45Eps Per	2.8880	30000.	132	43990	No
83	GOM_NL__2PRFIN20100730_064254_000000552091_00349_43990_8165.N1	30-JUL-2010 06:42:54	Bright	55.000	28	12Bet Tau	1.6500	15200.	110	43990	No
84	GOM_NL__2PRFIN20100730_064457_000000392091_00349_43990_8166.N1	30-JUL-2010 06:44:57	Twilight	39.000	176	23Zet Tau	3.0200	22000.	78	43990	No
85	GOM_NL__2PRFIN20100730_064723_000000572091_00349_43990_8167.N1	30-JUL-2010 06:47:23	Dark	57.000	13	87Alp Tau	0.86700	3800.0	114	43990	No
86	GOM_NL__2PRFIN20100730_064925_000000432091_00349_43990_8168.N1	30-JUL-2010 06:49:25	Dark	43.000	27	24Gam Ori	1.6360	26000.	86	43990	No
87	GOM_NL__2PRFIN20100730_065345_000000472091_00349_43990_8169.N1	30-JUL-2010 06:53:45	Dark	46.500	7	19Bet Ori	0.10000	14000.	93	43990	No
88	GOM_NL__2PRFIN20100730_065805_000000532091_00349_43990_8170.N1	30-JUL-2010 06:58:05	Dark	53.000	165	34Gam Eri	2.9500	3200.0	106	43990	No
89	GOM_NL__2PRFIN20100730_070729_000000482091_00349_43990_8171.N1	30-JUL-2010 07:07:29	Dark	47.500	157	The1Eri	2.9060	9300.0	95	43990	No
90	GOM_NL__2PRFIN20100730_071308_000000552091_00350_43991_8181.N1	30-JUL-2010 07:13:08	Dark	54.500	9	Alp Eri	0.45300	24000.	109	43991	No
91	GOM_NL__2PRFIN20100730_071743_000000682091_00350_43991_8182.N1	30-JUL-2010 07:17:43	Straylight	67.500	84	Alp Phe	2.3970	4500.0	135	43991	No
92	GOM_NL__2PRFIN20100730_072325_000000462091_00350_43991_8183.N1	30-JUL-2010 07:23:25	Straylight	46.000	31	Alp Gru	1.7340	15200.	92	43991	No
93	GOM_NL__2PRFIN20100730_072634_000000462091_00350_43991_8184.N1	30-JUL-2010 07:26:34	Straylight	45.500	172	Gam Gru	3.0030	13100.	91	43991	No
94	GOM_NL__2PRFIN20100730_074242_000000402091_00350_43991_8185.N1	30-JUL-2010 07:42:42	Bright	40.000	11	53Alp Aql	0.76500	8000.0	80	43991	No
95	GOM_NL__2PRFIN20100730_075135_000000442091_00350_43991_8186.N1	30-JUL-2010 07:51:35	Bright	44.000	92	53Eps Cyg	2.5000	4500.0	88	43991	No
96	GOM_NL__2PRFIN20100730_075321_000000402091_00350_43991_8187.N1	30-JUL-2010 07:53:21	Bright	40.000	144	18Del Cyg	2.8600	11000.	80	43991	No
97	GOM_NL__2PRFIN20100730_075441_000000452091_00350_43991_8188.N1	30-JUL-2010 07:54:41	Bright	44.500	19	50Alp Cyg	1.2460	10500.	89	43991	No
98	GOM_NL__2PRFIN20100730_080004_000000412091_00350_43991_8189.N1	30-JUL-2010 08:00:04	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	43991	No
99	GOM_NL__2PRFIN20100730_081449_000000502091_00350_43991_8190.N1	30-JUL-2010 08:14:49	Bright	49.500	160	23Gam Per	2.9300	4700.0	99	43991	No
100	GOM_NL__2PRFIN20100730_081626_000000492091_00350_43991_8191.N1	30-JUL-2010 08:16:26	Bright	48.500	35	33Alp Per	1.7950	6250.0	97	43991	No
101	GOM_NL__2PRFIN20100730_081821_000000432091_00350_43991_8192.N1	30-JUL-2010 08:18:21	Bright	42.500	6	13Alp Aur	0.080000	3400.0	85	43991	No

102	GOM_NL__2PRFIN20100730_082017_000000422091_00350_43991_8193.N1	30-JUL-2010 08:20:17	Bright	41.500	149	45Eps Per	2.8880	30000.	83	43991	No
103	GOM_NL__2PRFIN20100730_082330_000000462091_00350_43991_8194.N1	30-JUL-2010 08:23:30	Bright	46.000	28	12Bet Tau	1.6500	15200.	92	43991	No
104	GOM_NL__2PRFIN20100730_082533_000000412091_00350_43991_8195.N1	30-JUL-2010 08:25:33	Tw_i_and_stray	41.000	176	23Zet Tau	3.0200	22000.	82	43991	No
105	GOM_NL__2PRFIN20100730_082759_000000612091_00350_43991_8196.N1	30-JUL-2010 08:27:59	Dark	60.500	13	87Alp Tau	0.86700	3800.0	121	43991	No
106	GOM_NL__2PRFIN20100730_083001_000000412091_00350_43991_8197.N1	30-JUL-2010 08:30:01	Dark	40.500	27	24Gam Ori	1.6360	26000.	81	43991	No
107	GOM_NL__2PRFIN20100730_083421_000000472091_00350_43991_8198.N1	30-JUL-2010 08:34:21	Dark	46.500	7	19Bet Ori	0.10000	14000.	93	43991	No
108	GOM_NL__2PRFIN20100730_083842_000000572091_00350_43991_8199.N1	30-JUL-2010 08:38:42	Dark	57.000	165	34Gam Eri	2.9500	3200.0	114	43991	No
109	GOM_NL__2PRFIN20100730_084806_000000442091_00350_43991_8200.N1	30-JUL-2010 08:48:06	Dark	44.000	157	The1Eri	2.9060	9300.0	88	43991	No
110	GOM_NL__2PRFIN20100730_085345_000000432091_00351_43992_8216.N1	30-JUL-2010 08:53:45	Dark	43.000	9	Alp Eri	0.45300	24000.	86	43992	No
111	GOM_NL__2PRFIN20100730_085820_000000672091_00351_43992_8217.N1	30-JUL-2010 08:58:20	Straylight	67.000	84	Alp Phe	2.3970	4500.0	134	43992	No
112	GOM_NL__2PRFIN20100730_090401_000000532091_00351_43992_8218.N1	30-JUL-2010 09:04:01	Straylight	52.500	31	Alp Gru	1.7340	15200.	105	43992	No
113	GOM_NL__2PRFIN20100730_090711_000000482091_00351_43992_8219.N1	30-JUL-2010 09:07:11	Straylight	47.500	172	Gam Gru	3.0030	13100.	95	43992	No
114	GOM_NL__2PRFIN20100730_092318_000000392091_00351_43992_8220.N1	30-JUL-2010 09:23:18	Bright	39.000	11	53Alp Aql	0.76500	8000.0	78	43992	No
115	GOM_NL__2PRFIN20100730_093211_000000482091_00351_43992_8221.N1	30-JUL-2010 09:32:11	Bright	47.500	92	53Eps Cyg	2.5000	4500.0	95	43992	No
116	GOM_NL__2PRFIN20100730_093357_000000392091_00351_43992_8222.N1	30-JUL-2010 09:33:57	Bright	38.500	144	18Del Cyg	2.8600	11000.	77	43992	No
117	GOM_NL__2PRFIN20100730_093516_000000442091_00351_43992_8223.N1	30-JUL-2010 09:35:16	Bright	44.000	19	50Alp Cyg	1.2460	10500.	88	43992	No
118	GOM_NL__2PRFIN20100730_094039_000000392091_00351_43992_8224.N1	30-JUL-2010 09:40:39	Bright	39.000	89	5Alp Cep	2.4510	8000.0	78	43992	No
119	GOM_NL__2PRFIN20100730_095525_000000682091_00351_43992_8225.N1	30-JUL-2010 09:55:25	Bright	68.000	160	23Gam Per	2.9300	4700.0	136	43992	No
120	GOM_NL__2PRFIN20100730_095702_000000502091_00351_43992_8226.N1	30-JUL-2010 09:57:02	Bright	49.500	35	33Alp Per	1.7950	6250.0	99	43992	No
121	GOM_NL__2PRFIN20100730_095856_000000412091_00351_43992_8227.N1	30-JUL-2010 09:58:56	Bright	41.000	6	13Alp Aur	0.080000	3400.0	82	43992	No
122	GOM_NL__2PRFIN20100730_100053_000000452091_00351_43992_8228.N1	30-JUL-2010 10:00:53	Bright	45.000	149	45Eps Per	2.8880	30000.	90	43992	No
123	GOM_NL__2PRFIN20100730_100406_000000482091_00351_43992_8229.N1	30-JUL-2010 10:04:06	Bright	47.500	28	12Bet Tau	1.6500	15200.	95	43992	No
124	GOM_NL__2PRFIN20100730_100610_000000412091_00351_43992_8230.N1	30-JUL-2010 10:06:10	Tw_i_and_stray	40.500	176	23Zet Tau	3.0200	22000.	81	43992	No
125	GOM_NL__2PRFIN20100730_100835_000000572091_00351_43992_8231.N1	30-JUL-2010 10:08:35	Dark	57.000	13	87Alp Tau	0.86700	3800.0	114	43992	No
126	GOM_NL__2PRFIN20100730_101037_000000402091_00351_43992_8232.N1	30-JUL-2010 10:10:37	Dark	40.000	27	24Gam Ori	1.6360	26000.	80	43992	No
127	GOM_NL__2PRFIN20100730_101457_000000542091_00351_43992_8233.N1	30-JUL-2010 10:14:57	Dark	54.000	7	19Bet Ori	0.10000	14000.	108	43992	No
128	GOM_NL__2PRFIN20100730_101919_000000532091_00351_43992_8234.N1	30-JUL-2010 10:19:19	Dark	52.500	165	34Gam Eri	2.9500	3200.0	105	43992	No
129	GOM_NL__2PRFIN20100730_102843_000000462091_00351_43992_8235.N1	30-JUL-2010 10:28:43	Dark	45.500	157	The1Eri	2.9060	9300.0	91	43992	No
130	GOM_NL__2PRFIN20100730_103421_000000422091_00352_43993_8248.N1	30-JUL-2010 10:34:21	Dark	42.000	9	Alp Eri	0.45300	24000.	84	43993	No
131	GOM_NL__2PRFIN20100730_103857_000000542091_00352_43993_8249.N1	30-JUL-2010 10:38:57	Straylight	53.500	84	Alp Phe	2.3970	4500.0	107	43993	No
132	GOM_NL__2PRFIN20100730_104437_000000532091_00352_43993_8250.N1	30-JUL-2010 10:44:37	Straylight	52.500	31	Alp Gru	1.7340	15200.	105	43993	No
133	GOM_NL__2PRFIN20100730_104747_000000472091_00352_43993_8251.N1	30-JUL-2010 10:47:47	Straylight	47.000	172	Gam Gru	3.0030	13100.	94	43993	No
134	GOM_NL__2PRFIN20100730_110354_000000392091_00352_43993_8252.N1	30-JUL-2010 11:03:54	Bright	39.000	11	53Alp Aql	0.76500	8000.0	78	43993	No
135	GOM_NL__2PRFIN20100730_111246_000000462091_00352_43993_8253.N1	30-JUL-2010 11:12:46	Bright	45.500	92	53Eps Cyg	2.5000	4500.0	91	43993	No
136	GOM_NL__2PRFIN20100730_111433_000000392091_00352_43993_8254.N1	30-JUL-2010 11:14:33	Bright	38.500	144	18Del Cyg	2.8600	11000.	77	43993	No
137	GOM_NL__2PRFIN20100730_111551_000000472091_00352_43993_8255.N1	30-JUL-2010 11:15:51	Bright	47.000	19	50Alp Cyg	1.2460	10500.	94	43993	No
138	GOM_NL__2PRFIN20100730_112114_000000422091_00352_43993_8256.N1	30-JUL-2010 11:21:14	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	43993	No
139	GOM_NL__2PRFIN20100730_113600_000000552091_00352_43993_8257.N1	30-JUL-2010 11:36:00	Bright	54.500	160	23Gam Per	2.9300	4700.0	109	43993	No
140	GOM_NL__2PRFIN20100730_113738_000000492091_00352_43993_8258.N1	30-JUL-2010 11:37:38	Bright	49.000	35	33Alp Per	1.7950	6250.0	98	43993	No
141	GOM_NL__2PRFIN20100730_113932_000000522091_00352_43993_8259.N1	30-JUL-2010 11:39:32	Bright	52.000	6	13Alp Aur	0.080000	3400.0	104	43993	No
142	GOM_NL__2PRFIN20100730_114129_000000592091_00352_43993_8260.N1	30-JUL-2010 11:41:29	Bright	58.500	149	45Eps Per	2.8880	30000.	117	43993	No
143	GOM_NL__2PRFIN20100730_114442_000000482091_00352_43993_8261.N1	30-JUL-2010 11:44:42	Bright	47.500	28	12Bet Tau	1.6500	15200.	95	43993	No
144	GOM_NL__2PRFIN20100730_114646_000000412091_00352_43993_8262.N1	30-JUL-2010 11:46:46	Tw_i_and_stray	40.500	176	23Zet Tau	3.0200	22000.	81	43993	No
145	GOM_NL__2PRFIN20100730_114912_000000542091_00352_43993_8263.N1	30-JUL-2010 11:49:12	Dark	53.500	13	87Alp Tau	0.86700	3800.0	107	43993	No
146	GOM_NL__2PRFIN20100730_115113_000000422091_00352_43993_8264.N1	30-JUL-2010 11:51:13	Dark	42.000	27	24Gam Ori	1.6360	26000.	84	43993	No
147	GOM_NL__2PRFIN20100730_115534_000000502091_00352_43993_8265.N1	30-JUL-2010 11:55:34	Dark	50.000	7	19Bet Ori	0.10000	14000.	100	43993	No
148	GOM_NL__2PRFIN20100730_115956_000000542091_00352_43993_8266.N1	30-JUL-2010 11:59:56	Dark	54.000	165	34Gam Eri	2.9500	3200.0	108	43993	No
149	GOM_NL__2PRFIN20100730_120920_000000462091_00352_43993_8267.N1	30-JUL-2010 12:09:20	Dark	45.500	157	The1Eri	2.9060	9300.0	91	43993	No
150	GOM_NL__2PRFIN20100730_121458_000000442091_00353_43994_8270.N1	30-JUL-2010 12:14:58	Dark	43.500	9	Alp Eri	0.45300	24000.	87	43994	No
151	GOM_NL__2PRFIN20100730_121934_000000572091_00353_43994_8271.N1	30-JUL-2010 12:19:34	Straylight	56.500	84	Alp Phe	2.3970	4500.0	113	43994	No
152	GOM_NL__2PRFIN20100730_122514_000000472091_00353_43994_8272.N1	30-JUL-2010 12:25:14	Straylight	47.000	31	Alp Gru	1.7340	15200.	94	43994	No
153	GOM_NL__2PRFIN20100730_122823_000000472091_00353_43994_8273.N1	30-JUL-2010 12:28:23	Straylight	47.000	172	Gam Gru	3.0030	13100.	94	43994	No
154	GOM_NL__2PRFIN20100730_124429_000000382091_00353_43994_8274.N1	30-JUL-2010 12:44:29	Bright	37.500	11	53Alp Aql	0.76500	8000.0	75	43994	No
155	GOM_NL__2PRFIN20100730_125322_000000452091_00353_43994_8275.N1	30-JUL-2010 12:53:22	Bright	45.000	92	53Eps Cyg	2.5000	4500.0	90	43994	No
156	GOM_NL__2PRFIN20100730_130150_000000422091_00353_43994_8276.N1	30-JUL-2010 13:01:50	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	43994	No
157	GOM_NL__2PRFIN20100730_131813_000000492091_00353_43994_8277.N1	30-JUL-2010 13:18:13	Bright	49.000	35	33Alp Per	1.7950	6250.0	98	43994	No
158	GOM_NL__2PRFIN20100730_132008_000000442091_00353_43994_8278.N1	30-JUL-2010 13:20:08	Bright	44.000	6	13Alp Aur	0.080000	3400.0	88	43994	No
159	GOM_NL__2PRFIN20100730_132204_000000602091_00353_43994_8279.N1	30-JUL-2010 13:22:04	Bright	59.500	149	45Eps Per	2.8880	30000.	119	43994	No
160	GOM_NL__2PRFIN20100730_132518_000000452091_00353_43994_8280.N1	30-JUL-2010 13:25:18	Bright	44.500	28	12Bet Tau	1.6500	15200.	89	43994	No

161	GOM_NL__2PRFIN20100730_132722_000000412091_00353_43994_8281.N1	30-JUL-2010 13:27:22	Twilight	41.000	176	23Zet Tau	3.0200	22000.	82	43994	No
162	GOM_NL__2PRFIN20100730_132948_000000622091_00353_43994_8282.N1	30-JUL-2010 13:29:48	Dark	61.500	13	87Alp Tau	0.86700	3800.0	123	43994	No
163	GOM_NL__2PRFIN20100730_133150_000000442091_00353_43994_8283.N1	30-JUL-2010 13:31:50	Dark	44.000	27	24Gam Ori	1.6360	26000.	88	43994	No
164	GOM_NL__2PRFIN20100730_133610_000000532091_00353_43994_8284.N1	30-JUL-2010 13:36:10	Dark	53.000	7	19Bet Ori	0.10000	14000.	106	43994	No
165	GOM_NL__2PRFIN20100730_134033_000000532091_00353_43994_8285.N1	30-JUL-2010 13:40:33	Dark	52.500	165	34Gam Eri	2.9500	3200.0	105	43994	No
166	GOM_NL__2PRFIN20100730_134957_000000452091_00353_43994_8286.N1	30-JUL-2010 13:49:57	Dark	45.000	157	The1Eri	2.9060	9300.0	90	43994	No
167	GOM_NL__2PRFIN20100730_135534_000000452091_00354_43995_8315.N1	30-JUL-2010 13:55:34	Dark	44.500	9	Alp Eri	0.45300	24000.	89	43995	No
168	GOM_NL__2PRFIN20100730_140011_000000562091_00354_43995_8316.N1	30-JUL-2010 14:00:11	Straylight	55.500	84	Alp Phe	2.3970	4500.0	111	43995	No
169	GOM_NL__2PRFIN20100730_140551_000000432091_00354_43995_8317.N1	30-JUL-2010 14:05:51	Straylight	43.000	31	Alp Gru	1.7340	15200.	86	43995	No
170	GOM_NL__2PRFIN20100730_140900_000000452091_00354_43995_8318.N1	30-JUL-2010 14:09:00	Straylight	45.000	172	Gam Gru	3.0030	13100.	90	43995	No
171	GOM_NL__2PRFIN20100730_142505_000000402091_00354_43995_8319.N1	30-JUL-2010 14:25:05	Bright	39.500	11	53Alp Aql	0.76500	8000.0	79	43995	No
172	GOM_NL__2PRFIN20100730_143357_000000492091_00354_43995_8320.N1	30-JUL-2010 14:33:57	Bright	48.500	92	53Eps Cyg	2.5000	4500.0	97	43995	No
173	GOM_NL__2PRFIN20100730_145849_000000492091_00354_43995_8321.N1	30-JUL-2010 14:58:49	Bright	48.500	35	33Alp Per	1.7950	6250.0	97	43995	No
174	GOM_NL__2PRFIN20100730_150044_000000442091_00354_43995_8322.N1	30-JUL-2010 15:00:44	Bright	44.000	6	13Alp Aur	0.080000	3400.0	88	43995	No
175	GOM_NL__2PRFIN20100730_150240_000000452091_00354_43995_8323.N1	30-JUL-2010 15:02:40	Bright	45.000	149	45Eps Per	2.8880	30000.	90	43995	No
176	GOM_NL__2PRFIN20100730_150555_000000552091_00354_43995_8324.N1	30-JUL-2010 15:05:55	Bright	55.000	28	12Bet Tau	1.6500	15200.	110	43995	No
177	GOM_NL__2PRFIN20100730_150758_000000412091_00354_43995_8325.N1	30-JUL-2010 15:07:58	Twilight	41.000	176	23Zet Tau	3.0200	22000.	82	43995	No
178	GOM_NL__2PRFIN20100730_151024_000000572091_00354_43995_8326.N1	30-JUL-2010 15:10:24	Dark	57.000	13	87Alp Tau	0.86700	3800.0	114	43995	No
179	GOM_NL__2PRFIN20100730_151226_000000442091_00354_43995_8327.N1	30-JUL-2010 15:12:26	Dark	43.500	27	24Gam Ori	1.6360	26000.	87	43995	No
180	GOM_NL__2PRFIN20100730_151647_000000552091_00354_43995_8328.N1	30-JUL-2010 15:16:47	Dark	54.500	7	19Bet Ori	0.10000	14000.	109	43995	No
181	GOM_NL__2PRFIN20100730_152109_000000552091_00354_43995_8329.N1	30-JUL-2010 15:21:09	Dark	54.500	165	34Gam Eri	2.9500	3200.0	109	43995	No
182	GOM_NL__2PRFIN20100730_153034_000000452091_00354_43995_8330.N1	30-JUL-2010 15:30:34	Dark	44.500	157	The1Eri	2.9060	9300.0	89	43995	No
183	GOM_NL__2PRFIN20100730_153611_000000472091_00355_43996_8353.N1	30-JUL-2010 15:36:11	Dark	47.000	9	Alp Eri	0.45300	24000.	94	43996	No
184	GOM_NL__2PRFIN20100730_154048_000000562091_00355_43996_8354.N1	30-JUL-2010 15:40:48	Straylight	56.000	84	Alp Phe	2.3970	4500.0	112	43996	No
185	GOM_NL__2PRFIN20100730_154627_000000462091_00355_43996_8355.N1	30-JUL-2010 15:46:27	Straylight	46.000	31	Alp Gru	1.7340	15200.	92	43996	No
186	GOM_NL__2PRFIN20100730_154936_000000452091_00355_43996_8356.N1	30-JUL-2010 15:49:36	Straylight	44.500	172	Gam Gru	3.0030	13100.	89	43996	No
187	GOM_NL__2PRFIN20100730_160541_000000412091_00355_43996_8357.N1	30-JUL-2010 16:05:41	Bright	40.500	11	53Alp Aql	0.76500	8000.0	81	43996	No
188	GOM_NL__2PRFIN20100730_161432_000000472091_00355_43996_8358.N1	30-JUL-2010 16:14:32	Bright	47.000	92	53Eps Cyg	2.5000	4500.0	94	43996	No
189	GOM_NL__2PRFIN20100730_161620_000000382091_00355_43996_8359.N1	30-JUL-2010 16:16:20	Bright	38.000	144	18Del Cyg	2.8600	11000.	76	43996	No
190	GOM_NL__2PRFIN20100730_162301_000000392091_00355_43996_8360.N1	30-JUL-2010 16:23:01	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	43996	No
191	GOM_NL__2PRFIN20100730_163924_000000452091_00355_43996_8361.N1	30-JUL-2010 16:39:24	Bright	45.000	35	33Alp Per	1.7950	6250.0	90	43996	No
192	GOM_NL__2PRFIN20100730_164120_000000432091_00355_43996_8362.N1	30-JUL-2010 16:41:20	Bright	42.500	6	13Alp Aur	0.080000	3400.0	85	43996	No
193	GOM_NL__2PRFIN20100730_164316_000000472091_00355_43996_8363.N1	30-JUL-2010 16:43:16	Bright	47.000	149	45Eps Per	2.8880	30000.	94	43996	No
194	GOM_NL__2PRFIN20100730_164618_000000542091_00355_43996_8364.N1	30-JUL-2010 16:46:18	Twilight	53.500	150	44Zet Per	2.8900	28000.	107	43996	No
195	GOM_NL__2PRFIN20100730_164834_000000422091_00355_43996_8365.N1	30-JUL-2010 16:48:34	Twilight	41.500	176	23Zet Tau	3.0200	22000.	83	43996	No
196	GOM_NL__2PRFIN20100730_165101_000000622091_00355_43996_8366.N1	30-JUL-2010 16:51:01	Dark	62.000	13	87Alp Tau	0.86700	3800.0	124	43996	No
197	GOM_NL__2PRFIN20100730_165302_000000432091_00355_43996_8367.N1	30-JUL-2010 16:53:02	Dark	42.500	27	24Gam Ori	1.6360	26000.	85	43996	No
198	GOM_NL__2PRFIN20100730_165723_000000532091_00355_43996_8368.N1	30-JUL-2010 16:57:23	Dark	52.500	7	19Bet Ori	0.10000	14000.	105	43996	No
199	GOM_NL__2PRFIN20100730_170146_000000542091_00355_43996_8369.N1	30-JUL-2010 17:01:46	Dark	53.500	165	34Gam Eri	2.9500	3200.0	107	43996	No
200	GOM_NL__2PRFIN20100730_171111_000000452091_00355_43996_8370.N1	30-JUL-2010 17:11:11	Dark	45.000	157	The1Eri	2.9060	9300.0	90	43996	No
201	GOM_NL__2PRFIN20100730_171648_000000442091_00356_43997_8388.N1	30-JUL-2010 17:16:48	Dark	44.000	9	Alp Eri	0.45300	24000.	88	43997	No
202	GOM_NL__2PRFIN20100730_172124_000000552091_00356_43997_8389.N1	30-JUL-2010 17:21:24	Straylight	55.000	84	Alp Phe	2.3970	4500.0	110	43997	No
203	GOM_NL__2PRFIN20100730_172703_000000432091_00356_43997_8390.N1	30-JUL-2010 17:27:03	Straylight	43.000	31	Alp Gru	1.7340	15200.	86	43997	No
204	GOM_NL__2PRFIN20100730_173013_000000462091_00356_43997_8391.N1	30-JUL-2010 17:30:13	Straylight	46.000	172	Gam Gru	3.0030	13100.	92	43997	No
205	GOM_NL__2PRFIN20100730_174617_000000392091_00356_43997_8392.N1	30-JUL-2010 17:46:17	Bright	39.000	11	53Alp Aql	0.76500	8000.0	78	43997	No
206	GOM_NL__2PRFIN20100730_175508_000000472091_00356_43997_8393.N1	30-JUL-2010 17:55:08	Bright	46.500	92	53Eps Cyg	2.5000	4500.0	93	43997	No
207	GOM_NL__2PRFIN20100730_175655_000000402091_00356_43997_8394.N1	30-JUL-2010 17:56:55	Bright	39.500	144	18Del Cyg	2.8600	11000.	79	43997	No
208	GOM_NL__2PRFIN20100730_180336_000000422091_00356_43997_8395.N1	30-JUL-2010 18:03:36	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	43997	No
209	GOM_NL__2PRFIN20100730_182000_000000452091_00356_43997_8396.N1	30-JUL-2010 18:20:00	Bright	45.000	35	33Alp Per	1.7950	6250.0	90	43997	No
210	GOM_NL__2PRFIN20100730_182156_000000422091_00356_43997_8397.N1	30-JUL-2010 18:21:56	Bright	41.500	6	13Alp Aur	0.080000	3400.0	83	43997	No
211	GOM_NL__2PRFIN20100730_182352_000000432091_00356_43997_8398.N1	30-JUL-2010 18:23:52	Bright	42.500	149	45Eps Per	2.8880	30000.	85	43997	No
212	GOM_NL__2PRFIN20100730_182654_000000552091_00356_43997_8399.N1	30-JUL-2010 18:26:54	Twilight	54.500	150	44Zet Per	2.8900	28000.	109	43997	No
213	GOM_NL__2PRFIN20100730_182911_000000432091_00356_43997_8400.N1	30-JUL-2010 18:29:11	Twilight	42.500	176	23Zet Tau	3.0200	22000.	85	43997	No
214	GOM_NL__2PRFIN20100730_183137_000000562091_00356_43997_8401.N1	30-JUL-2010 18:31:37	Dark	55.500	13	87Alp Tau	0.86700	3800.0	111	43997	No
215	GOM_NL__2PRFIN20100730_183338_000000442091_00356_43997_8402.N1	30-JUL-2010 18:33:38	Dark	44.000	27	24Gam Ori	1.6360	26000.	88	43997	No
216	GOM_NL__2PRFIN20100730_183759_000000512091_00356_43997_8403.N1	30-JUL-2010 18:37:59	Dark	51.000	7	19Bet Ori	0.10000	14000.	102	43997	No
217	GOM_NL__2PRFIN20100730_184223_000000552091_00356_43997_8404.N1	30-JUL-2010 18:42:23	Dark	55.000	165	34Gam Eri	2.9500	3200.0	110	43997	No
218	GOM_NL__2PRFIN20100730_185147_000000482091_00356_43997_8405.N1	30-JUL-2010 18:51:47	Dark	47.500	157	The1Eri	2.9060	9300.0	95	43997	No
219	GOM_NL__2PRFIN20100730_185724_000000472091_00357_43998_8416.N1	30-JUL-2010 18:57:24	Dark	46.500	9	Alp Eri	0.45300	24000.	93	43998	No

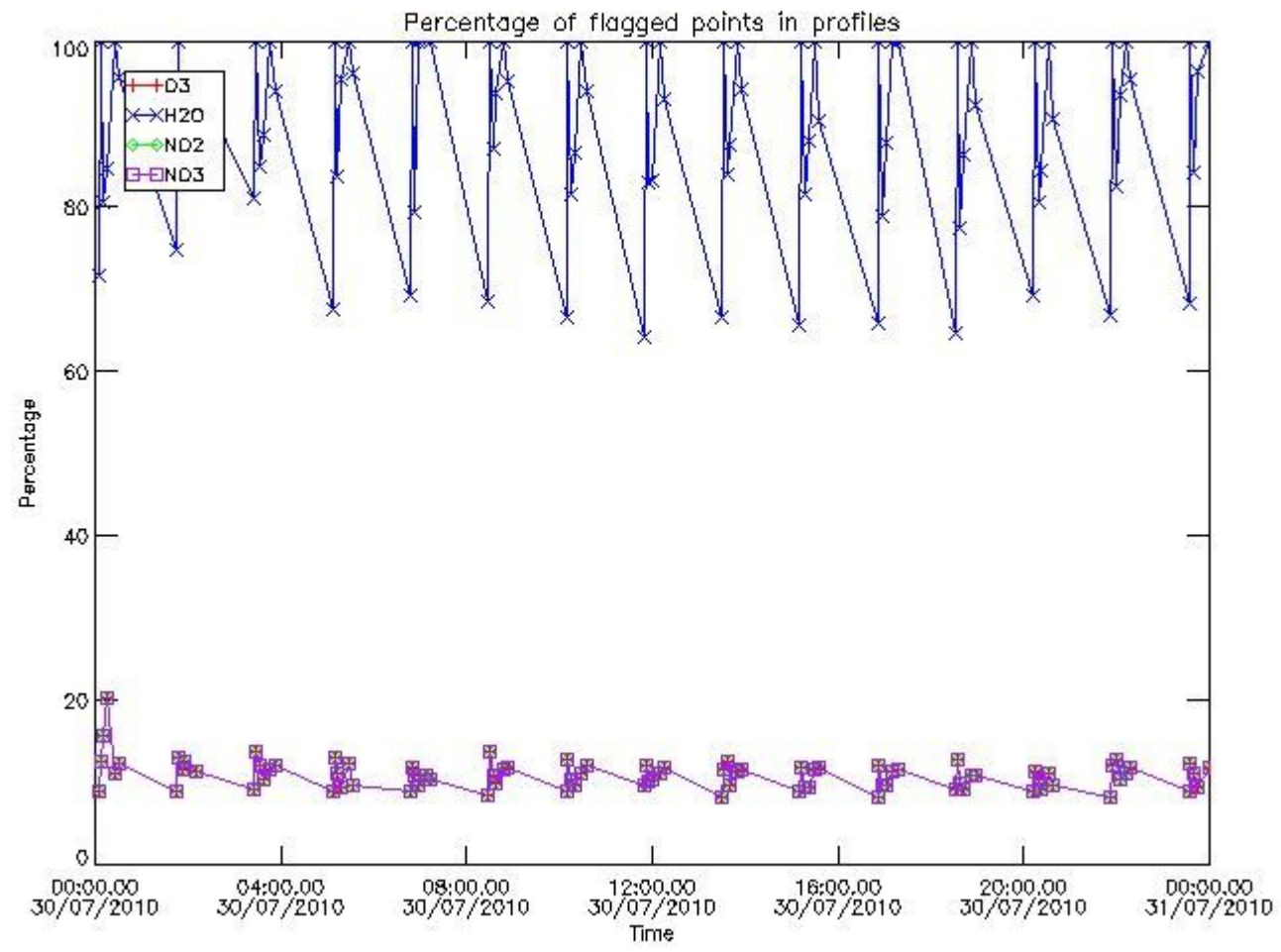
220	GOM_NL__2PRFIN20100730_190202_000000592091_00357_43998_8417.N1	30-JUL-2010 19:02:02	Straylight	58.500	84	Alp Phe	2.3970	4500.0	117	43998	No
221	GOM_NL__2PRFIN20100730_190740_000000532091_00357_43998_8418.N1	30-JUL-2010 19:07:40	Straylight	52.500	31	Alp Gru	1.7340	15200.	105	43998	No
222	GOM_NL__2PRFIN20100730_191049_000000472091_00357_43998_8419.N1	30-JUL-2010 19:10:49	Straylight	47.000	172	Gam Gru	3.0030	13100.	94	43998	No
223	GOM_NL__2PRFIN20100730_192653_000000392091_00357_43998_8420.N1	30-JUL-2010 19:26:53	Bright	38.500	11	53Alp Aql	0.76500	8000.0	77	43998	No
224	GOM_NL__2PRFIN20100730_193543_000000492091_00357_43998_8421.N1	30-JUL-2010 19:35:43	Bright	49.000	92	53Eps Cyg	2.5000	4500.0	98	43998	No
225	GOM_NL__2PRFIN20100730_193731_000000372091_00357_43998_8422.N1	30-JUL-2010 19:37:31	Bright	36.500	144	18Del Cyg	2.8600	11000.	73	43998	No
226	GOM_NL__2PRFIN20100730_194412_000000412091_00357_43998_8423.N1	30-JUL-2010 19:44:12	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	43998	No
227	GOM_NL__2PRFIN20100730_200036_000000502091_00357_43998_8424.N1	30-JUL-2010 20:00:36	Bright	49.500	35	33Alp Per	1.7950	6250.0	99	43998	No
228	GOM_NL__2PRFIN20100730_200232_000000552091_00357_43998_8425.N1	30-JUL-2010 20:02:32	Bright	55.000	6	13Alp Aur	0.080000	3400.0	110	43998	No
229	GOM_NL__2PRFIN20100730_200428_000000482091_00357_43998_8426.N1	30-JUL-2010 20:04:28	Bright	47.500	149	45Eps Per	2.8880	30000.	95	43998	No
230	GOM_NL__2PRFIN20100730_200730_000000542091_00357_43998_8427.N1	30-JUL-2010 20:07:30	Tw_i_and_stray	54.000	150	44Zet Per	2.8900	28000.	108	43998	No
231	GOM_NL__2PRFIN20100730_200946_000000412091_00357_43998_8428.N1	30-JUL-2010 20:09:46	Tw_i_and_stray	40.500	176	23Zet Tau	3.0200	22000.	81	43998	No
232	GOM_NL__2PRFIN20100730_201213_000000622091_00357_43998_8429.N1	30-JUL-2010 20:12:13	Dark	62.000	13	87Alp Tau	0.86700	3800.0	124	43998	No
233	GOM_NL__2PRFIN20100730_201414_000000452091_00357_43998_8430.N1	30-JUL-2010 20:14:14	Dark	45.000	27	24Gam Ori	1.6360	26000.	90	43998	No
234	GOM_NL__2PRFIN20100730_201836_000000492091_00357_43998_8431.N1	30-JUL-2010 20:18:36	Dark	49.000	7	19Bet Ori	0.10000	14000.	98	43998	No
235	GOM_NL__2PRFIN20100730_202300_000000552091_00357_43998_8432.N1	30-JUL-2010 20:23:00	Dark	55.000	165	34Gam Eri	2.9500	3200.0	110	43998	No
236	GOM_NL__2PRFIN20100730_203224_000000462091_00357_43998_8433.N1	30-JUL-2010 20:32:24	Dark	45.500	157	The1Eri	2.9060	9300.0	91	43998	No
237	GOM_NL__2PRFIN20100730_203800_000000542091_00358_43999_8424.N1	30-JUL-2010 20:38:00	Dark	53.500	9	Alp Eri	0.45300	24000.	107	43999	No
238	GOM_NL__2PRFIN20100730_204239_000000582091_00358_43999_8425.N1	30-JUL-2010 20:42:39	Straylight	58.000	84	Alp Phe	2.3970	4500.0	116	43999	No
239	GOM_NL__2PRFIN20100730_204816_000000522091_00358_43999_8426.N1	30-JUL-2010 20:48:16	Straylight	51.500	31	Alp Gru	1.7340	15200.	103	43999	No
240	GOM_NL__2PRFIN20100730_205126_000000452091_00358_43999_8427.N1	30-JUL-2010 20:51:26	Straylight	44.500	172	Gam Gru	3.0030	13100.	89	43999	No
241	GOM_NL__2PRFIN20100730_210729_000000382091_00358_43999_8428.N1	30-JUL-2010 21:07:29	Bright	38.000	11	53Alp Aql	0.76500	8000.0	76	43999	No
242	GOM_NL__2PRFIN20100730_211618_000000442091_00358_43999_8429.N1	30-JUL-2010 21:16:18	Bright	43.500	92	53Eps Cyg	2.5000	4500.0	87	43999	No
243	GOM_NL__2PRFIN20100730_211807_000000392091_00358_43999_8430.N1	30-JUL-2010 21:18:07	Bright	38.500	144	18Del Cyg	2.8600	11000.	77	43999	No
244	GOM_NL__2PRFIN20100730_212448_000000422091_00358_43999_8431.N1	30-JUL-2010 21:24:48	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	43999	No
245	GOM_NL__2PRFIN20100730_214112_000000492091_00358_43999_8432.N1	30-JUL-2010 21:41:12	Bright	48.500	35	33Alp Per	1.7950	6250.0	97	43999	No
246	GOM_NL__2PRFIN20100730_214308_000000422091_00358_43999_8433.N1	30-JUL-2010 21:43:08	Bright	41.500	6	13Alp Aur	0.080000	3400.0	83	43999	No
247	GOM_NL__2PRFIN20100730_214504_000000462091_00358_43999_8434.N1	30-JUL-2010 21:45:04	Bright	45.500	149	45Eps Per	2.8880	30000.	91	43999	No
248	GOM_NL__2PRFIN20100730_214806_000000542091_00358_43999_8435.N1	30-JUL-2010 21:48:06	Tw_i_and_stray	54.000	150	44Zet Per	2.8900	28000.	108	43999	No
249	GOM_NL__2PRFIN20100730_215023_000000412091_00358_43999_8436.N1	30-JUL-2010 21:50:23	Tw_i_and_stray	41.000	176	23Zet Tau	3.0200	22000.	82	43999	No
250	GOM_NL__2PRFIN20100730_215250_000000622091_00358_43999_8437.N1	30-JUL-2010 21:52:50	Dark	62.000	13	87Alp Tau	0.86700	3800.0	124	43999	No
251	GOM_NL__2PRFIN20100730_215451_000000432091_00358_43999_8438.N1	30-JUL-2010 21:54:51	Dark	42.500	27	24Gam Ori	1.6360	26000.	85	43999	No
252	GOM_NL__2PRFIN20100730_215912_000000402091_00358_43999_8439.N1	30-JUL-2010 21:59:12	Dark	39.500	7	19Bet Ori	0.10000	14000.	79	43999	No
253	GOM_NL__2PRFIN20100730_220337_000000542091_00358_43999_8440.N1	30-JUL-2010 22:03:37	Dark	53.500	165	34Gam Eri	2.9500	3200.0	107	43999	No
254	GOM_NL__2PRFIN20100730_221301_000000462091_00358_43999_8441.N1	30-JUL-2010 22:13:01	Dark	46.000	157	The1Eri	2.9060	9300.0	92	43999	No
255	GOM_NL__2PRFIN20100730_221837_000000442091_00359_44000_8432.N1	30-JUL-2010 22:18:37	Dark	43.500	9	Alp Eri	0.45300	24000.	87	44000	No
256	GOM_NL__2PRFIN20100730_222316_000000562091_00359_44000_8433.N1	30-JUL-2010 22:23:16	Straylight	55.500	84	Alp Phe	2.3970	4500.0	111	44000	No
257	GOM_NL__2PRFIN20100730_222853_000000522091_00359_44000_8434.N1	30-JUL-2010 22:28:53	Straylight	52.000	31	Alp Gru	1.7340	15200.	104	44000	No
258	GOM_NL__2PRFIN20100730_223202_000000482091_00359_44000_8435.N1	30-JUL-2010 22:32:02	Straylight	47.500	172	Gam Gru	3.0030	13100.	95	44000	No
259	GOM_NL__2PRFIN20100730_224804_000000402091_00359_44000_8436.N1	30-JUL-2010 22:48:04	Bright	40.000	11	53Alp Aql	0.76500	8000.0	80	44000	No
260	GOM_NL__2PRFIN20100730_225654_000000422091_00359_44000_8437.N1	30-JUL-2010 22:56:54	Bright	41.500	92	53Eps Cyg	2.5000	4500.0	83	44000	No
261	GOM_NL__2PRFIN20100730_225843_000000382091_00359_44000_8438.N1	30-JUL-2010 22:58:43	Bright	38.000	144	18Del Cyg	2.8600	11000.	76	44000	No
262	GOM_NL__2PRFIN20100730_230523_000000392091_00359_44000_8439.N1	30-JUL-2010 23:05:23	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	44000	No
263	GOM_NL__2PRFIN20100730_232147_000000492091_00359_44000_8440.N1	30-JUL-2010 23:21:47	Bright	49.000	35	33Alp Per	1.7950	6250.0	98	44000	No
264	GOM_NL__2PRFIN20100730_232344_000000422091_00359_44000_8441.N1	30-JUL-2010 23:23:44	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	44000	No
265	GOM_NL__2PRFIN20100730_232540_000000462091_00359_44000_8442.N1	30-JUL-2010 23:25:40	Bright	46.000	149	45Eps Per	2.8880	30000.	92	44000	No
266	GOM_NL__2PRFIN20100730_232842_000000532091_00359_44000_8443.N1	30-JUL-2010 23:28:42	Tw_i_and_stray	53.000	150	44Zet Per	2.8900	28000.	106	44000	No
267	GOM_NL__2PRFIN20100730_233059_000000412091_00359_44000_8444.N1	30-JUL-2010 23:30:59	Tw_i_and_stray	41.000	176	23Zet Tau	3.0200	22000.	82	44000	No
268	GOM_NL__2PRFIN20100730_233326_000000572091_00359_44000_8445.N1	30-JUL-2010 23:33:26	Dark	57.000	13	87Alp Tau	0.86700	3800.0	114	44000	No
269	GOM_NL__2PRFIN20100730_233527_000000422091_00359_44000_8446.N1	30-JUL-2010 23:35:27	Dark	41.500	27	24Gam Ori	1.6360	26000.	83	44000	No
270	GOM_NL__2PRFIN20100730_233948_000000502091_00359_44000_8447.N1	30-JUL-2010 23:39:48	Dark	50.000	7	19Bet Ori	0.10000	14000.	100	44000	No
271	GOM_NL__2PRFIN20100730_234413_000000552091_00359_44000_8448.N1	30-JUL-2010 23:44:13	Dark	54.500	165	34Gam Eri	2.9500	3200.0	109	44000	No
272	GOM_NL__2PRFIN20100730_235914_000000432091_00360_44001_8977.N1	30-JUL-2010 23:59:14	Dark	43.000	9	Alp Eri	0.45300	24000.	86	44001	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

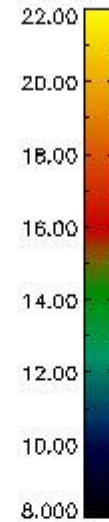
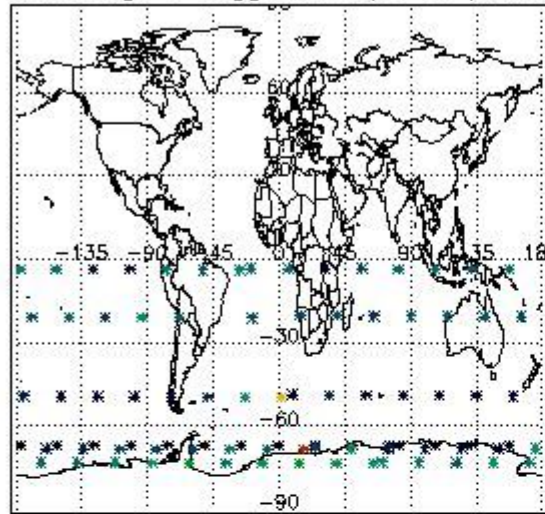
the MPH set to "0") are used.

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

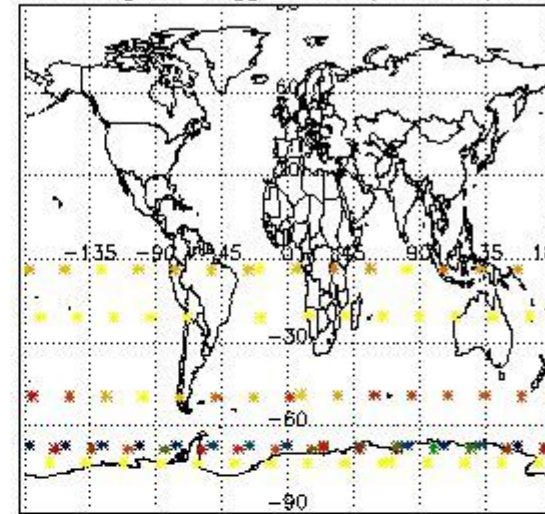


### 3.2 Plot quality information per product (world map)

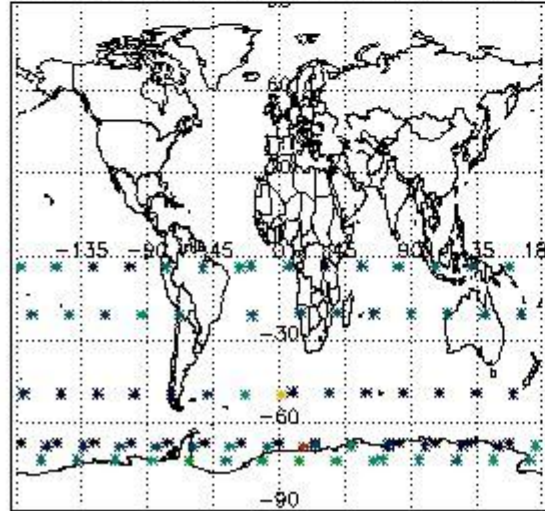
Percentage of flagged data per O3 profile



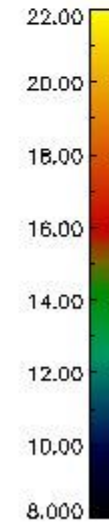
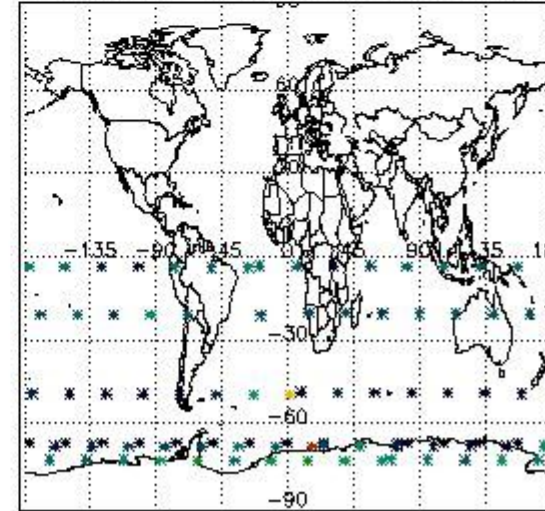
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile



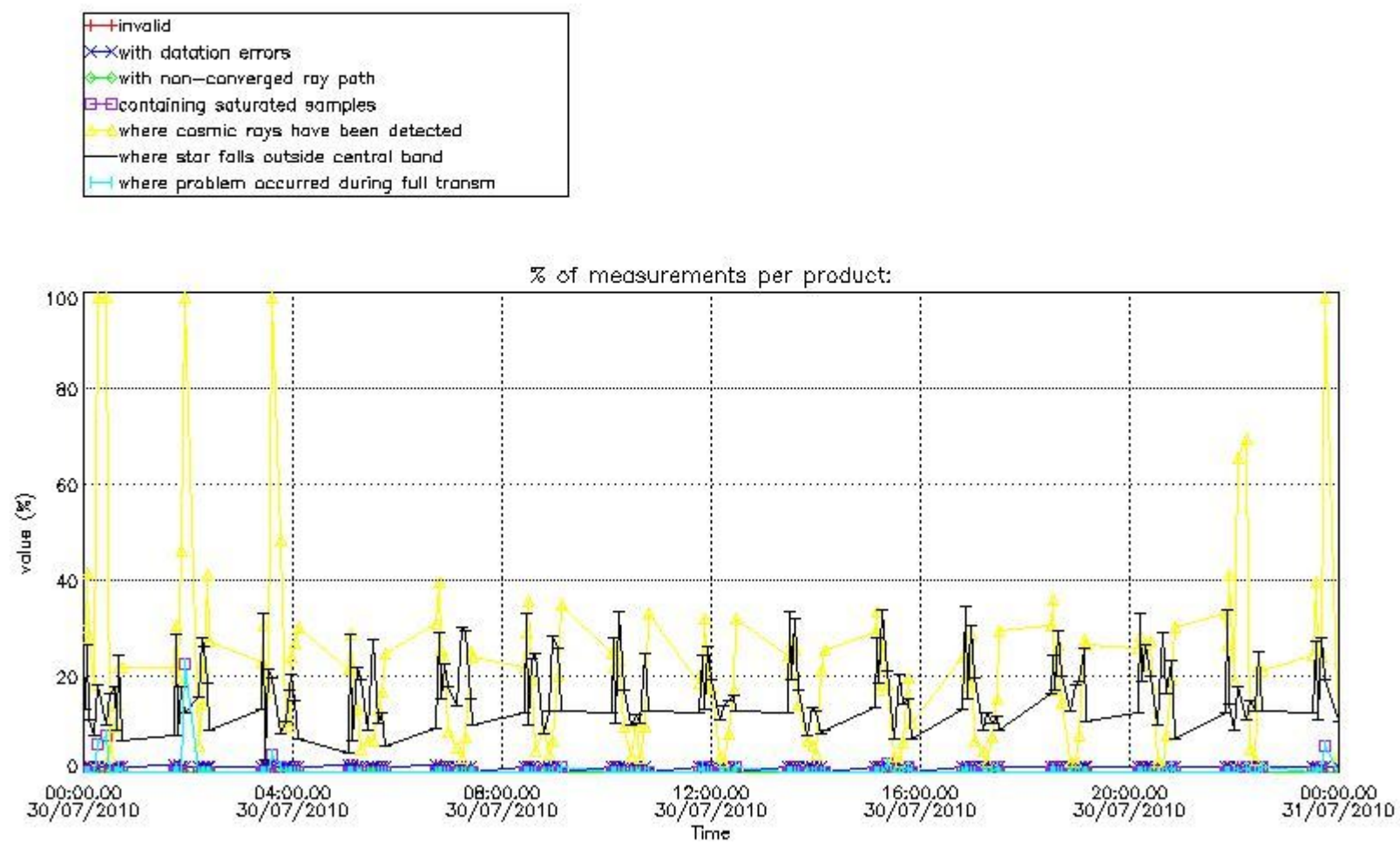
#### 4. Level 1 quality information per product

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.

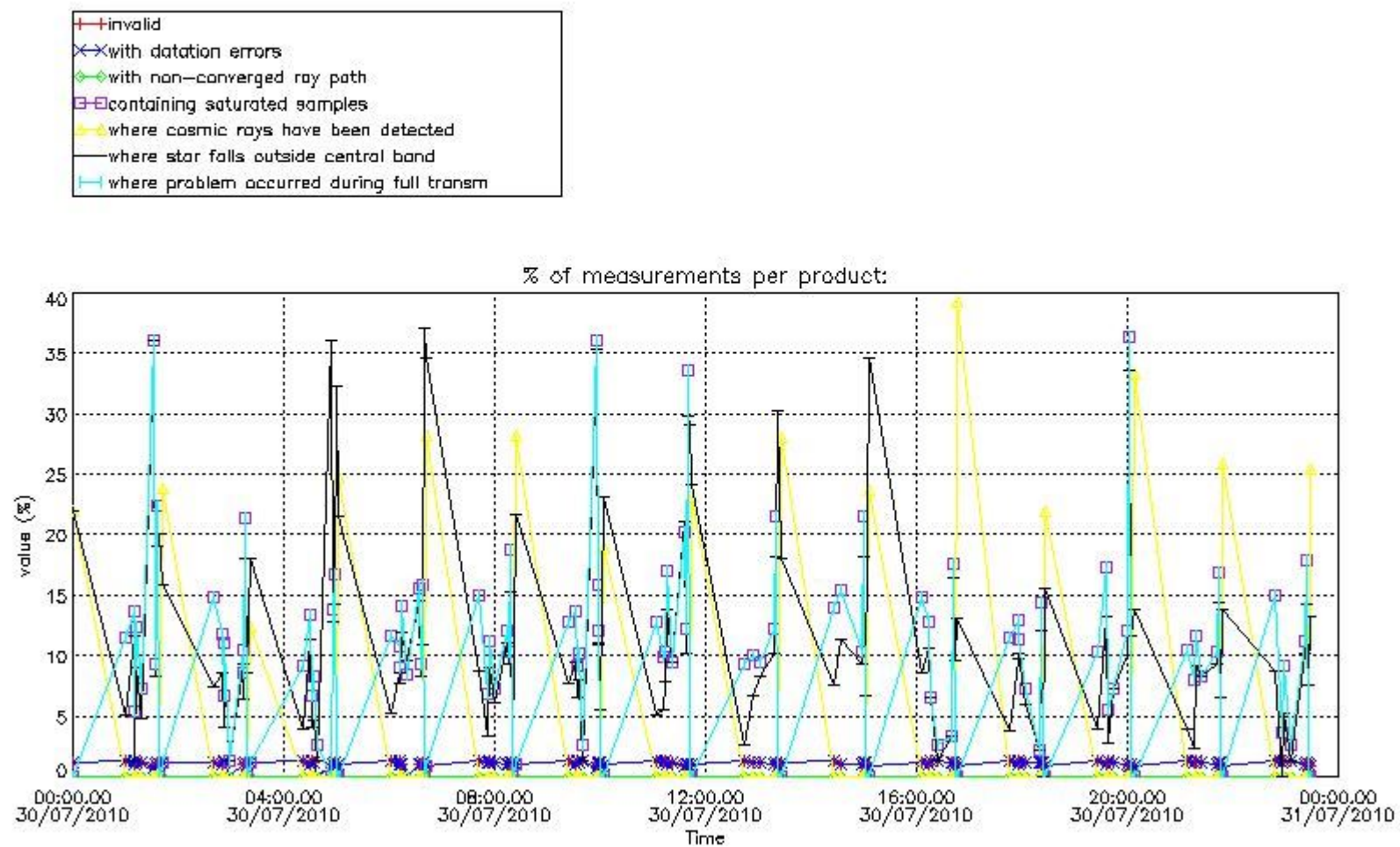
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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





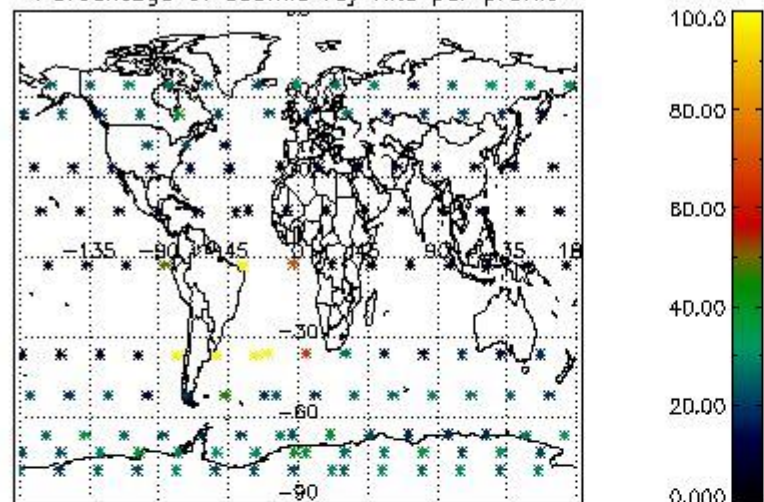
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



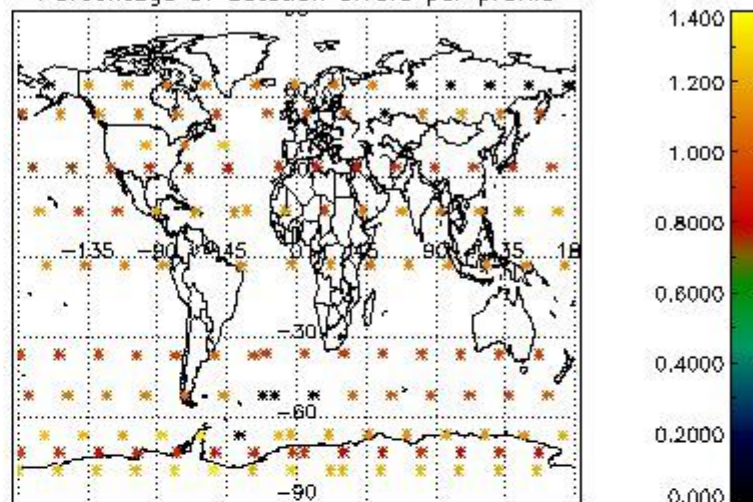
4.2 Plot quality information per product coming from level 1b processing (world map)

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

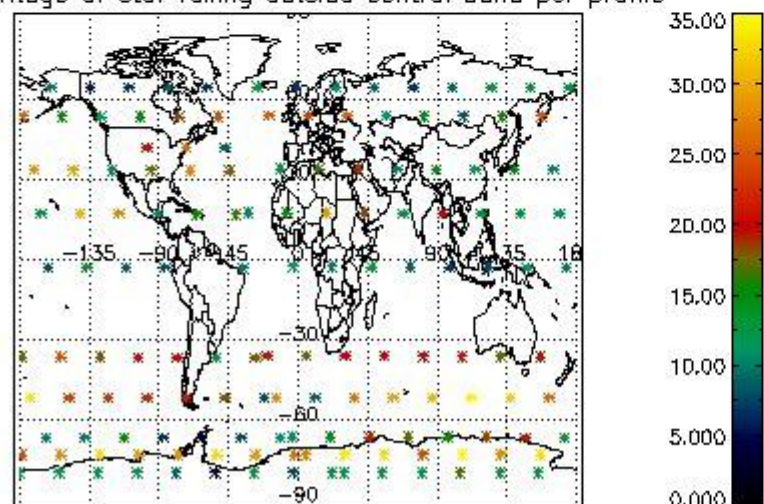
Percentage of cosmic ray hits per profile



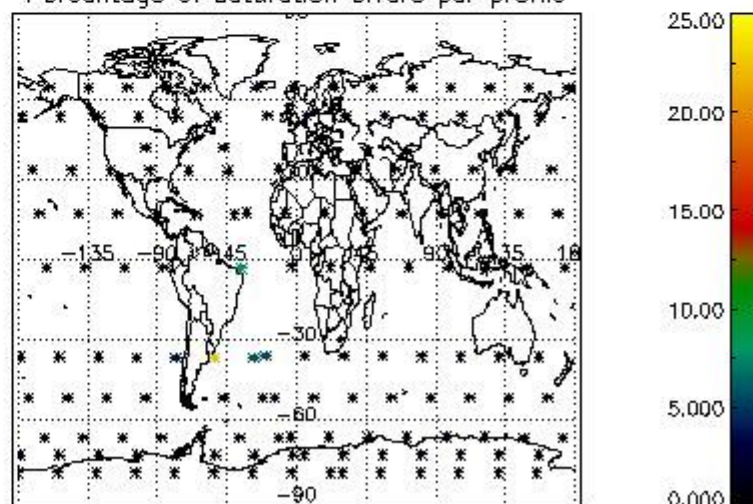
Percentage of datation errors per profile



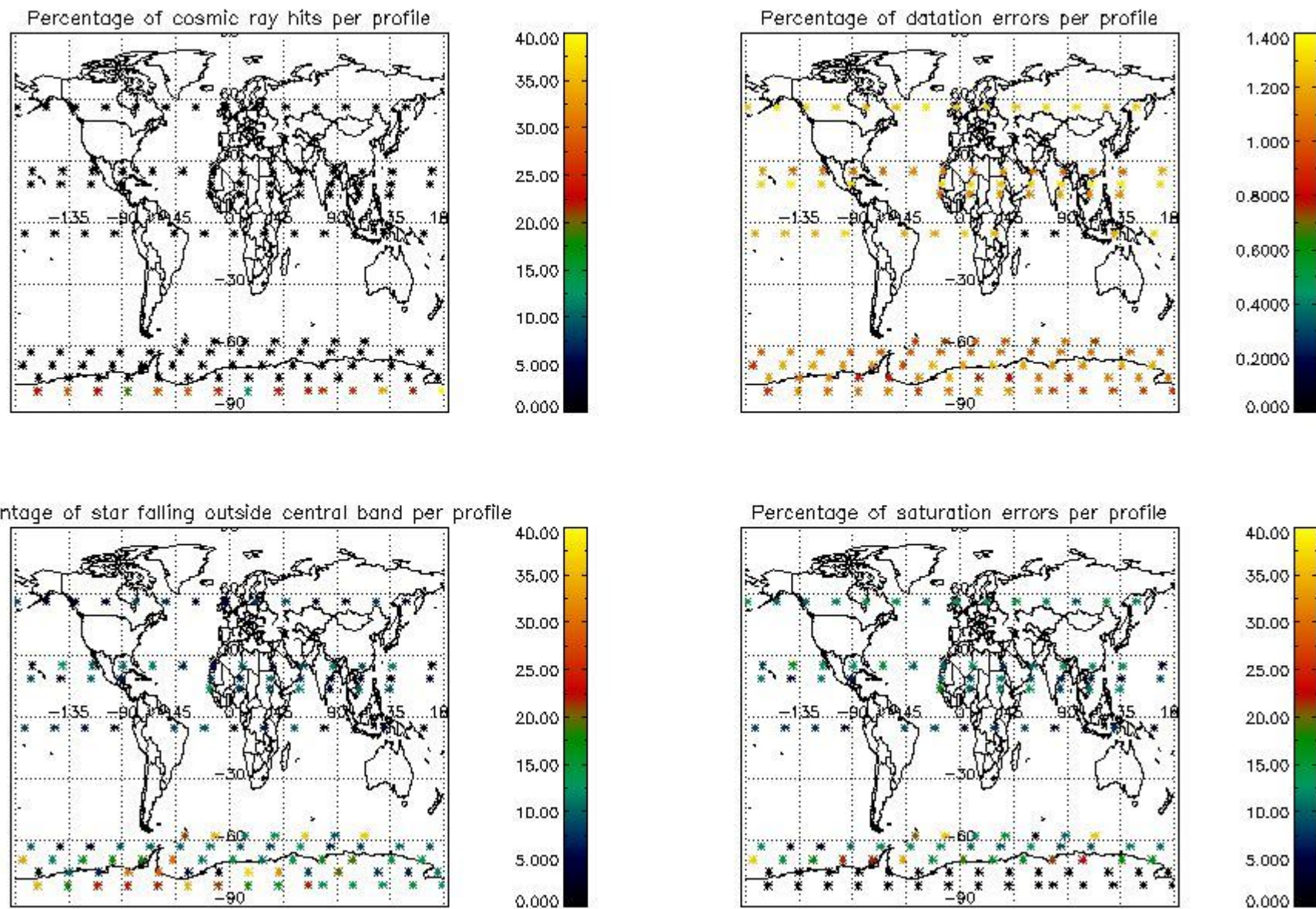
Percentage of star falling outside central band per profile



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

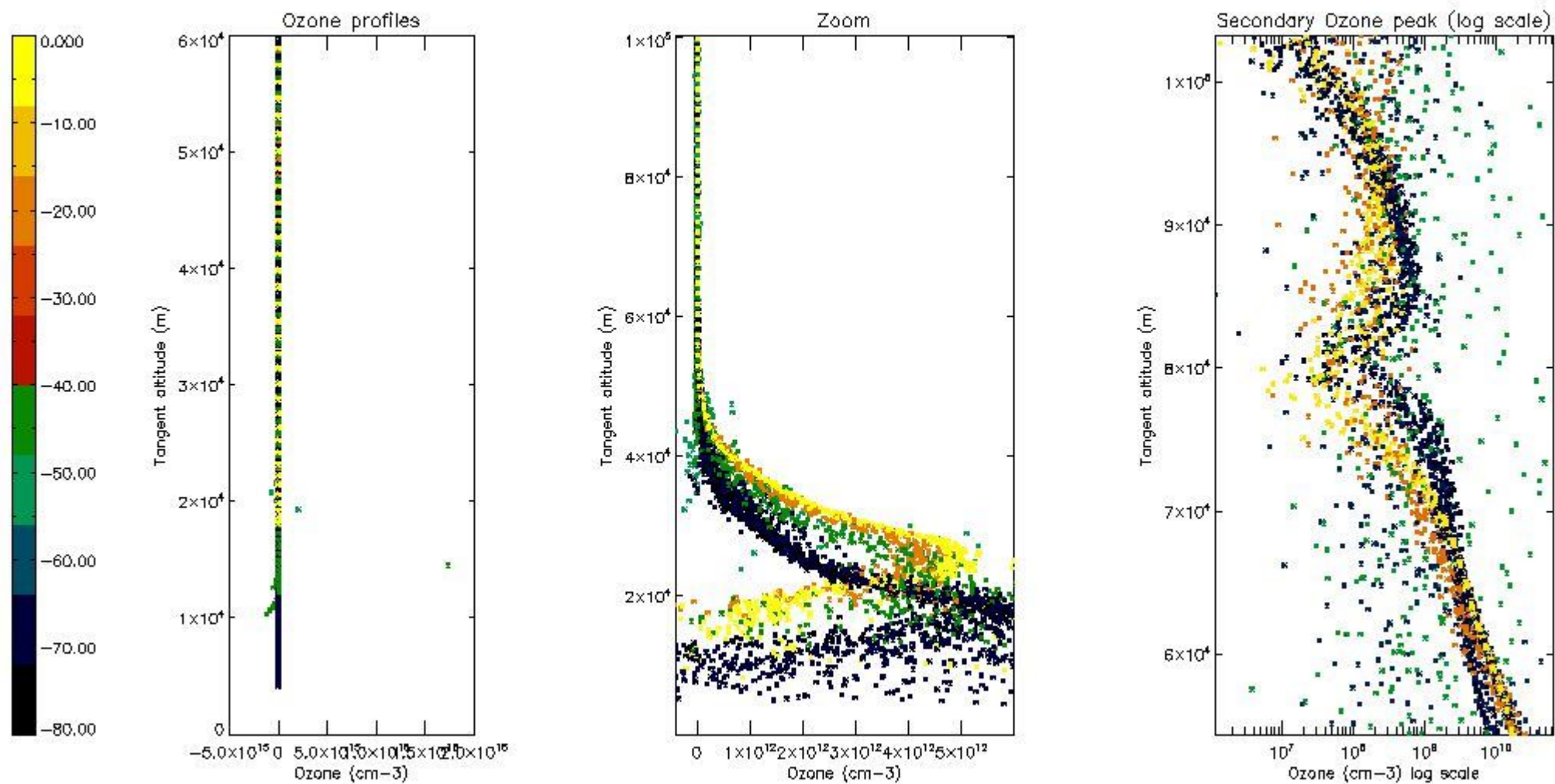
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	34
STD < 20	17

STD < 10	13
STD < 5	9

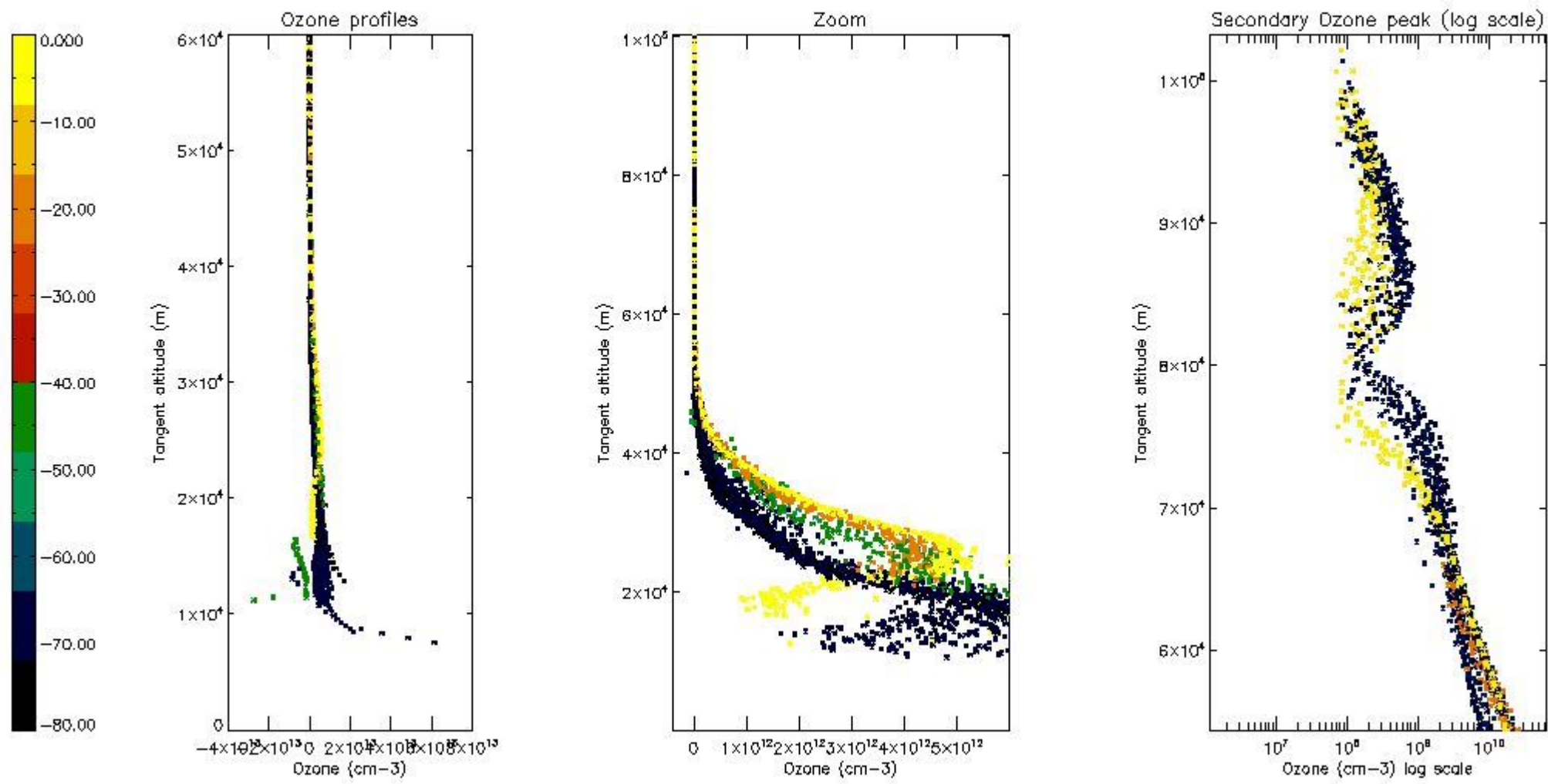
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



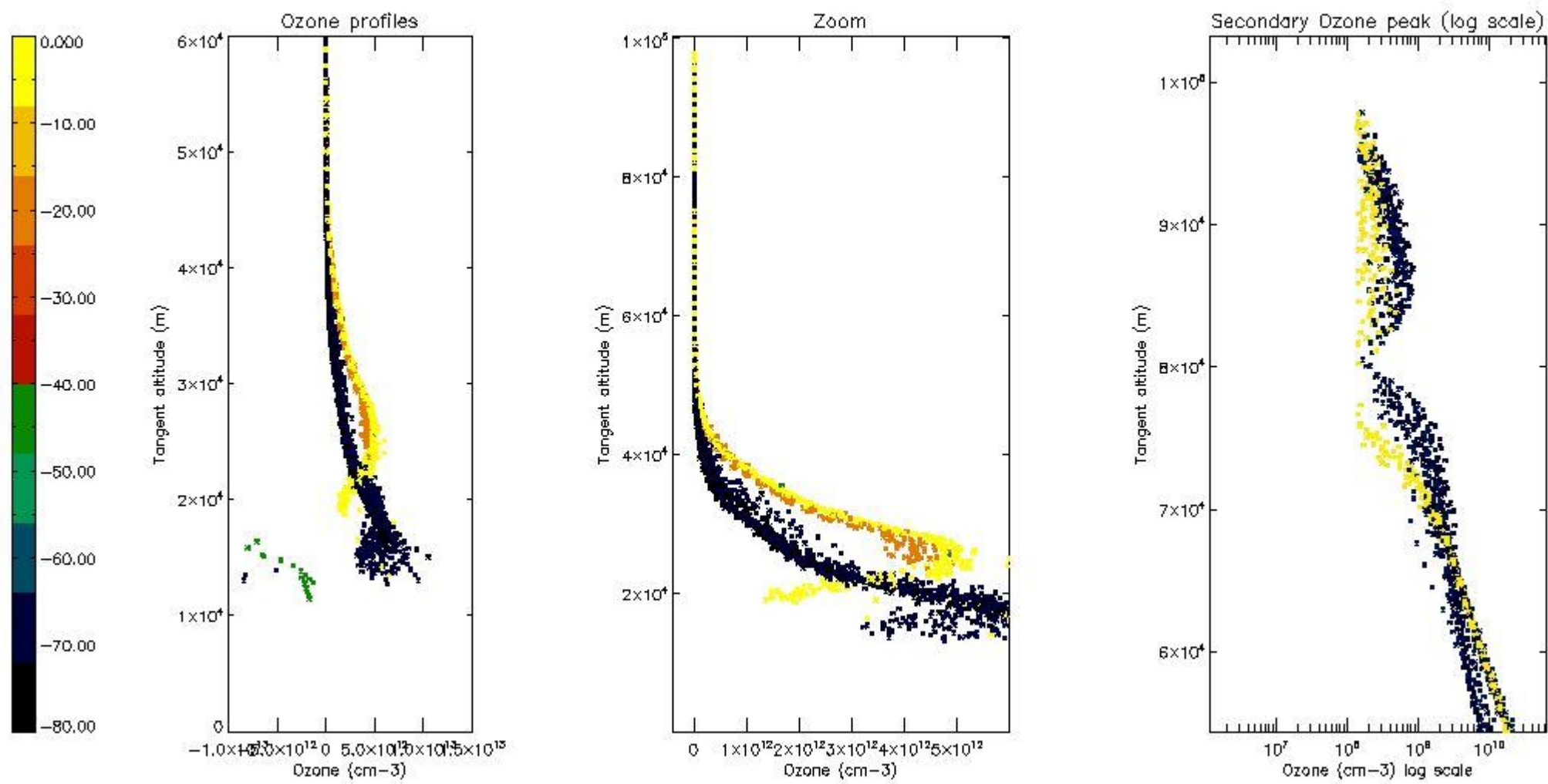
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



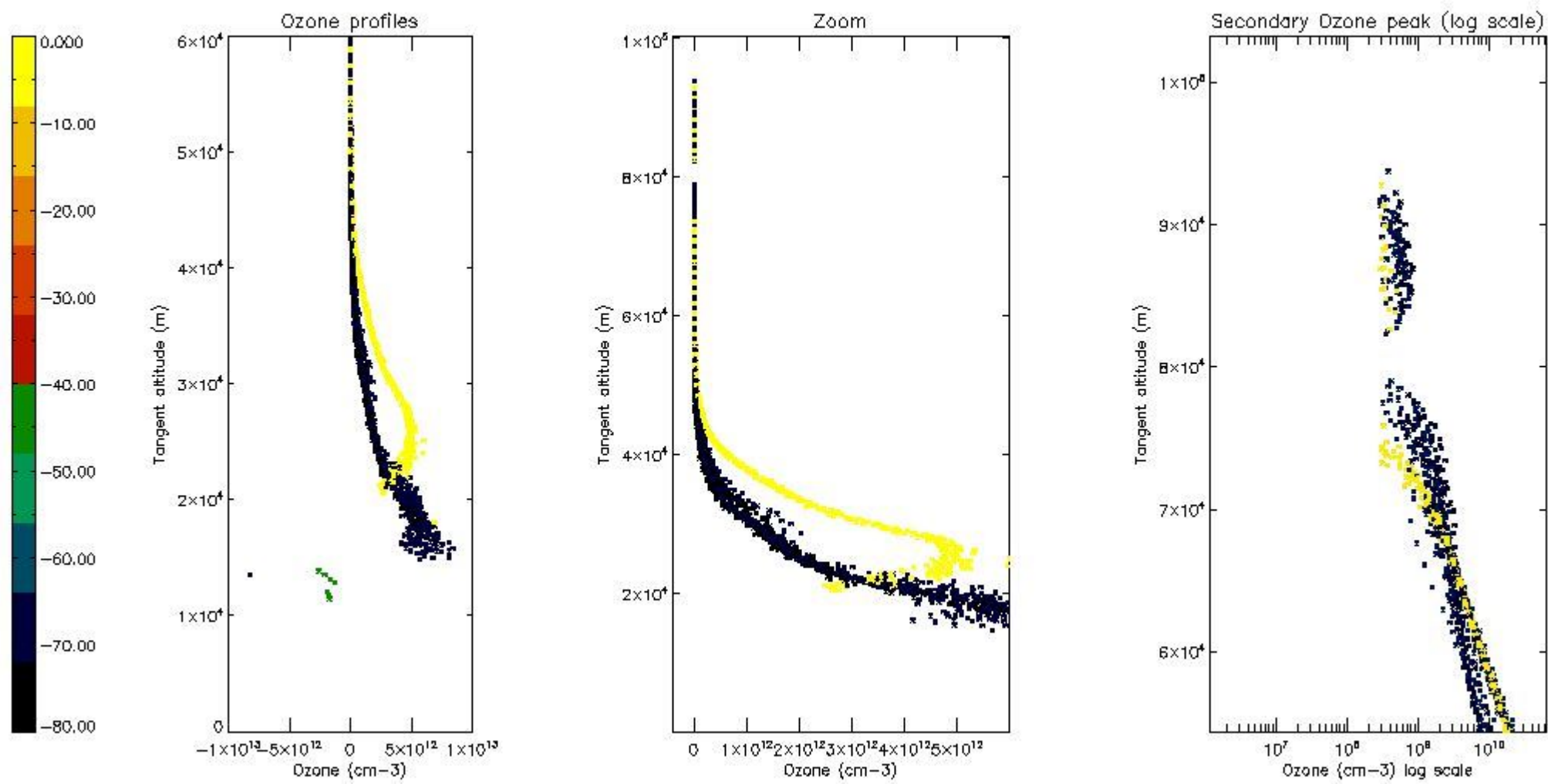
5.4 Plot ozone profiles where  $STD < 10\%$  (dark without errors)

The colorbar represents the latitude.



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

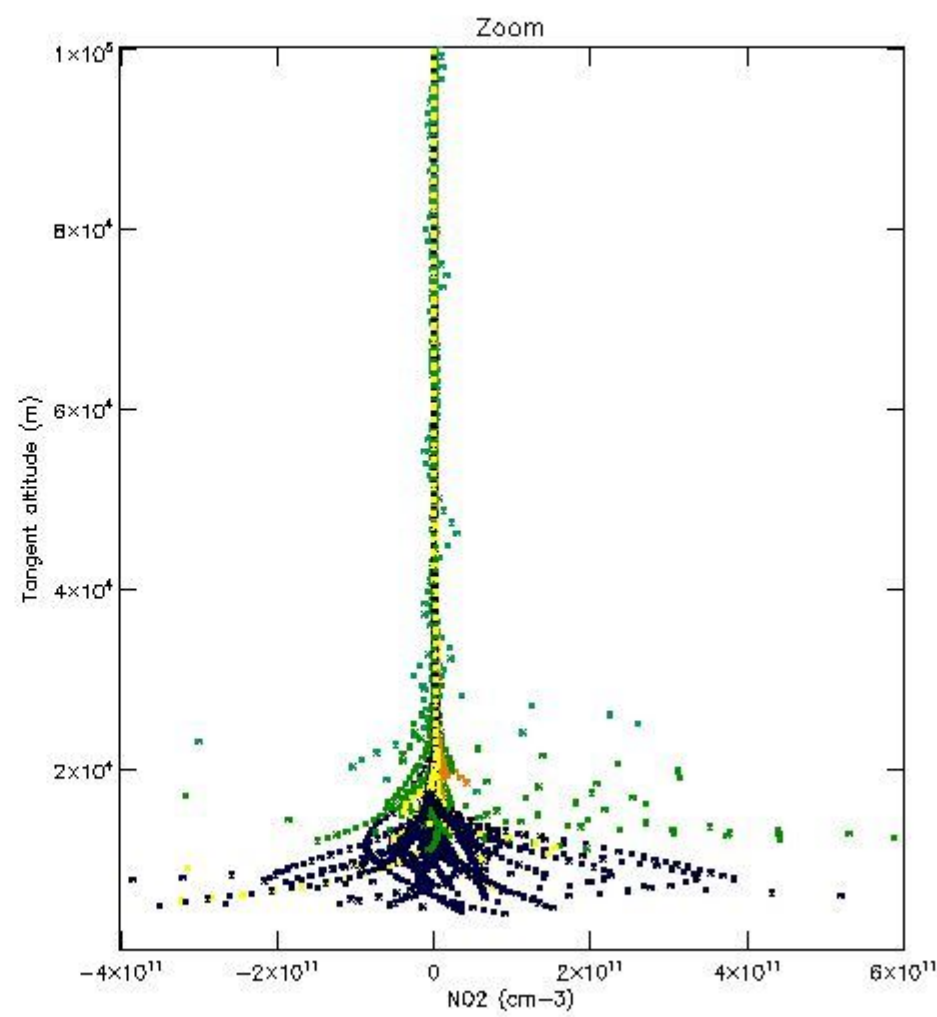
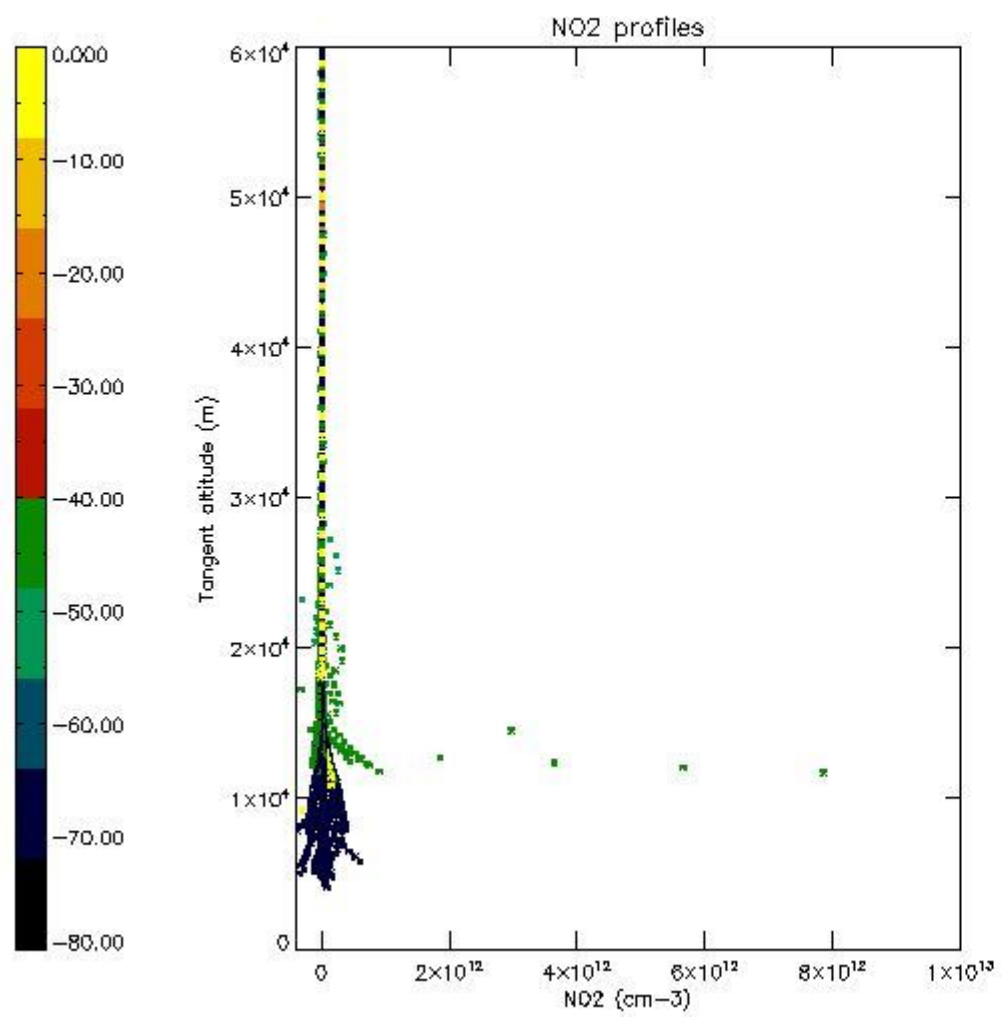
The colorbar represents the latitude.



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

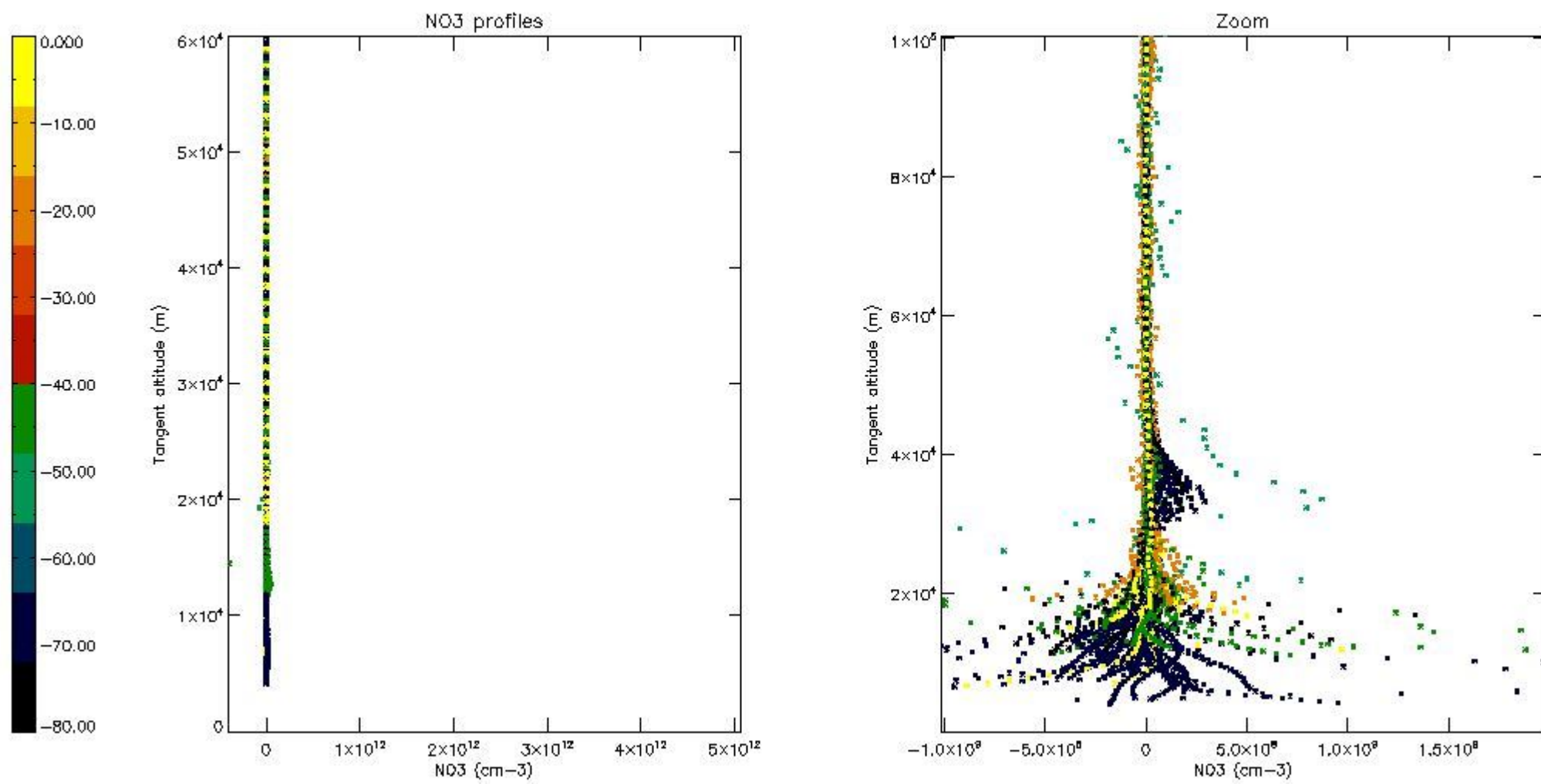
The colorbar represents the latitude.





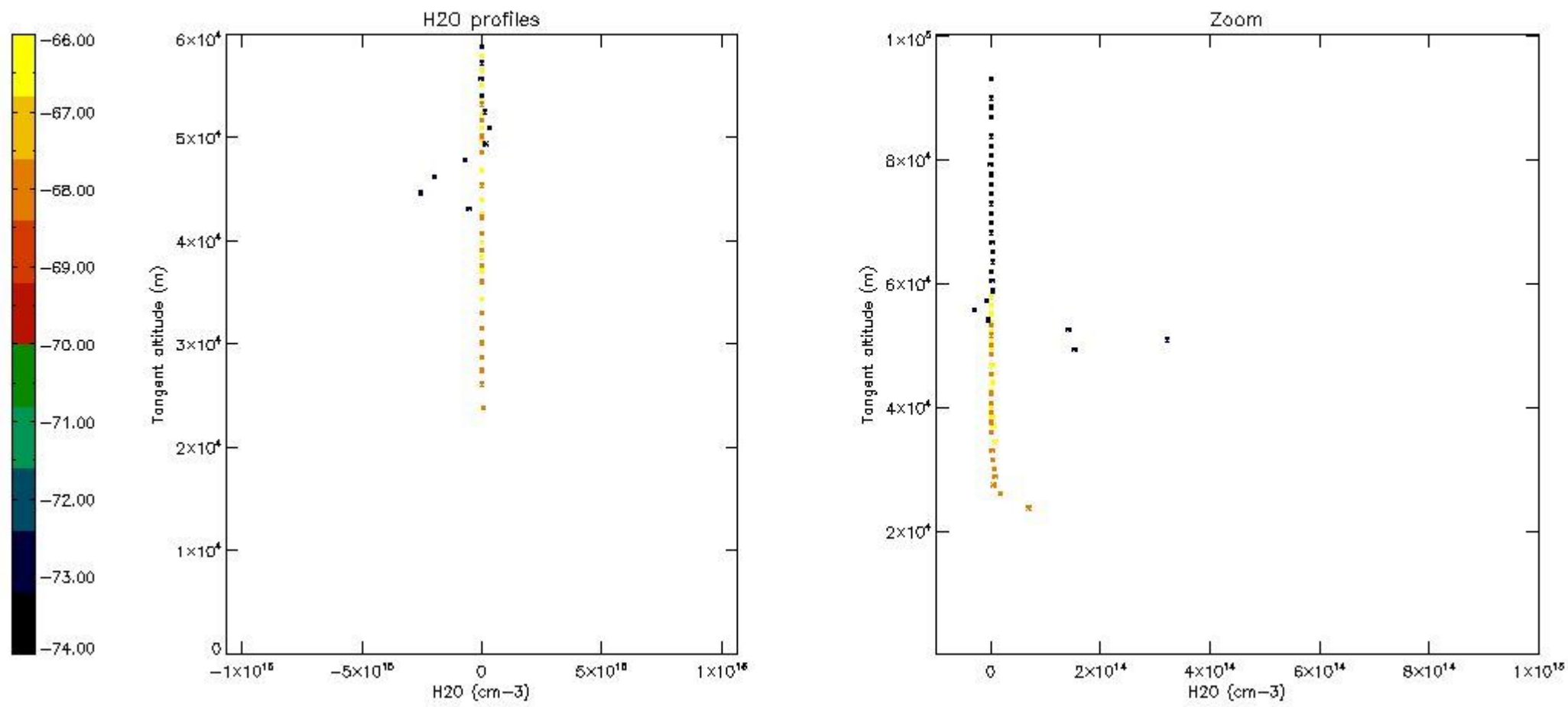
*5.7 Plot NO3 profiles for all STD (dark without errors)*

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	30-JUL-2010 00:00:29
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	30-JUL-2010 00:00:29
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	30-JUL-2010 00:00:29

# GOMOS Level 2 Daily Report

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











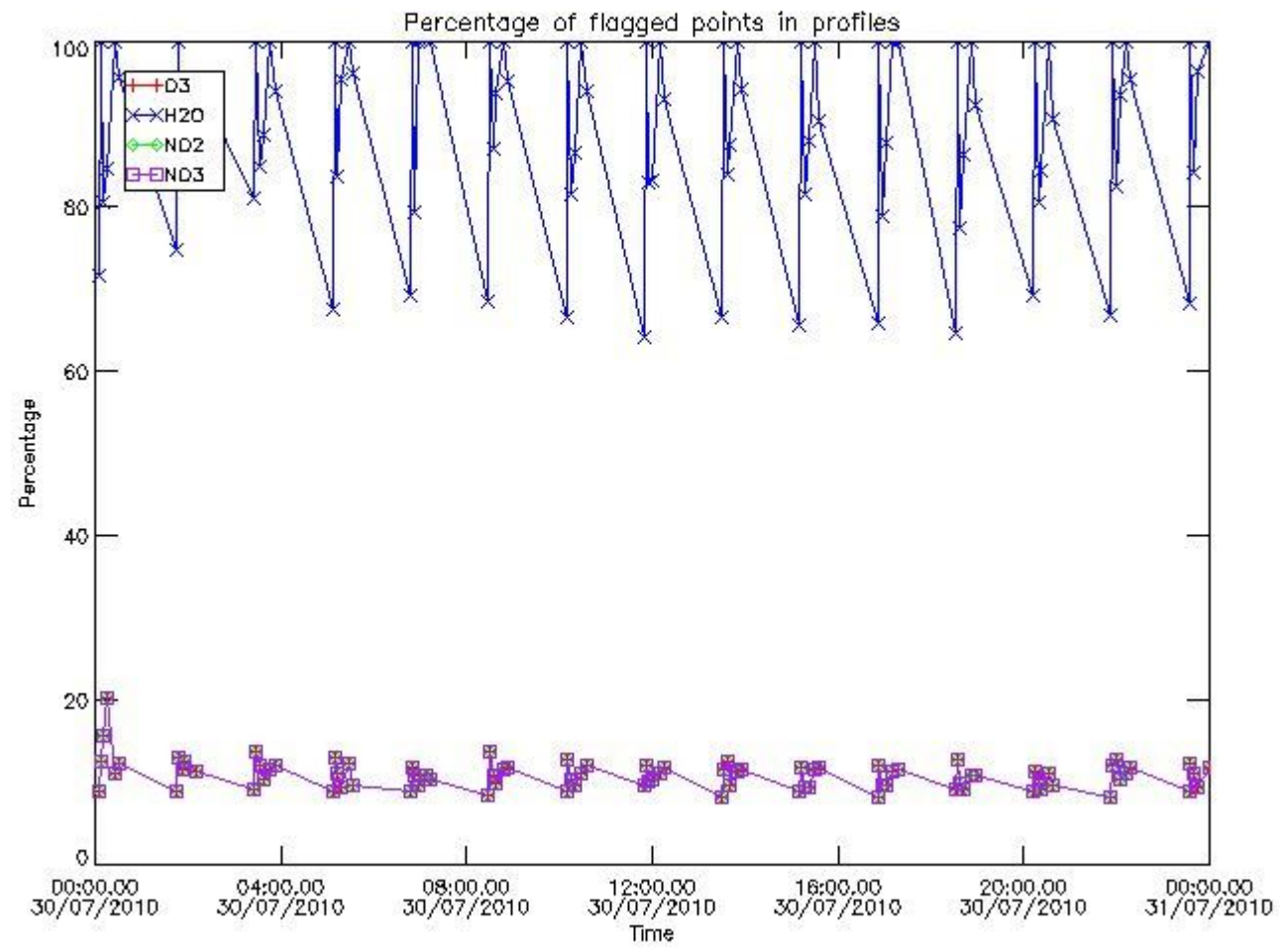
220	GOM_NL__2PRFIN20100730_190202_000000592091_00357_43998_8417.N1	30-JUL-2010 19:02:02	Straylight	58.500	84	Alp Phe	2.3970	4500.0	117	43998	No
221	GOM_NL__2PRFIN20100730_190740_000000532091_00357_43998_8418.N1	30-JUL-2010 19:07:40	Straylight	52.500	31	Alp Gru	1.7340	15200.	105	43998	No
222	GOM_NL__2PRFIN20100730_191049_000000472091_00357_43998_8419.N1	30-JUL-2010 19:10:49	Straylight	47.000	172	Gam Gru	3.0030	13100.	94	43998	No
223	GOM_NL__2PRFIN20100730_192653_000000392091_00357_43998_8420.N1	30-JUL-2010 19:26:53	Bright	38.500	11	53Alp Aql	0.76500	8000.0	77	43998	No
224	GOM_NL__2PRFIN20100730_193543_000000492091_00357_43998_8421.N1	30-JUL-2010 19:35:43	Bright	49.000	92	53Eps Cyg	2.5000	4500.0	98	43998	No
225	GOM_NL__2PRFIN20100730_193731_000000372091_00357_43998_8422.N1	30-JUL-2010 19:37:31	Bright	36.500	144	18Del Cyg	2.8600	11000.	73	43998	No
226	GOM_NL__2PRFIN20100730_194412_000000412091_00357_43998_8423.N1	30-JUL-2010 19:44:12	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	43998	No
227	GOM_NL__2PRFIN20100730_200036_000000502091_00357_43998_8424.N1	30-JUL-2010 20:00:36	Bright	49.500	35	33Alp Per	1.7950	6250.0	99	43998	No
228	GOM_NL__2PRFIN20100730_200232_000000552091_00357_43998_8425.N1	30-JUL-2010 20:02:32	Bright	55.000	6	13Alp Aur	0.080000	3400.0	110	43998	No
229	GOM_NL__2PRFIN20100730_200428_000000482091_00357_43998_8426.N1	30-JUL-2010 20:04:28	Bright	47.500	149	45Eps Per	2.8880	30000.	95	43998	No
230	GOM_NL__2PRFIN20100730_200730_000000542091_00357_43998_8427.N1	30-JUL-2010 20:07:30	Twi_and_stray	54.000	150	44Zet Per	2.8900	28000.	108	43998	No
231	GOM_NL__2PRFIN20100730_200946_000000412091_00357_43998_8428.N1	30-JUL-2010 20:09:46	Twi_and_stray	40.500	176	23Zet Tau	3.0200	22000.	81	43998	No
232	GOM_NL__2PRFIN20100730_201213_000000622091_00357_43998_8429.N1	30-JUL-2010 20:12:13	Dark	62.000	13	87Alp Tau	0.86700	3800.0	124	43998	No
233	GOM_NL__2PRFIN20100730_201414_000000452091_00357_43998_8430.N1	30-JUL-2010 20:14:14	Dark	45.000	27	24Gam Ori	1.6360	26000.	90	43998	No
234	GOM_NL__2PRFIN20100730_201836_000000492091_00357_43998_8431.N1	30-JUL-2010 20:18:36	Dark	49.000	7	19Bet Ori	0.10000	14000.	98	43998	No
235	GOM_NL__2PRFIN20100730_202300_000000552091_00357_43998_8432.N1	30-JUL-2010 20:23:00	Dark	55.000	165	34Gam Eri	2.9500	3200.0	110	43998	No
236	GOM_NL__2PRFIN20100730_203224_000000462091_00357_43998_8433.N1	30-JUL-2010 20:32:24	Dark	45.500	157	The1Eri	2.9060	9300.0	91	43998	No
237	GOM_NL__2PRFIN20100730_203800_000000542091_00358_43999_8424.N1	30-JUL-2010 20:38:00	Dark	53.500	9	Alp Eri	0.45300	24000.	107	43999	No
238	GOM_NL__2PRFIN20100730_204239_000000582091_00358_43999_8425.N1	30-JUL-2010 20:42:39	Straylight	58.000	84	Alp Phe	2.3970	4500.0	116	43999	No
239	GOM_NL__2PRFIN20100730_204816_000000522091_00358_43999_8426.N1	30-JUL-2010 20:48:16	Straylight	51.500	31	Alp Gru	1.7340	15200.	103	43999	No
240	GOM_NL__2PRFIN20100730_205126_000000452091_00358_43999_8427.N1	30-JUL-2010 20:51:26	Straylight	44.500	172	Gam Gru	3.0030	13100.	89	43999	No
241	GOM_NL__2PRFIN20100730_210729_000000382091_00358_43999_8428.N1	30-JUL-2010 21:07:29	Bright	38.000	11	53Alp Aql	0.76500	8000.0	76	43999	No
242	GOM_NL__2PRFIN20100730_211618_000000442091_00358_43999_8429.N1	30-JUL-2010 21:16:18	Bright	43.500	92	53Eps Cyg	2.5000	4500.0	87	43999	No
243	GOM_NL__2PRFIN20100730_211807_000000392091_00358_43999_8430.N1	30-JUL-2010 21:18:07	Bright	38.500	144	18Del Cyg	2.8600	11000.	77	43999	No
244	GOM_NL__2PRFIN20100730_212448_000000422091_00358_43999_8431.N1	30-JUL-2010 21:24:48	Bright	42.000	89	5Alp Cep	2.4510	8000.0	84	43999	No
245	GOM_NL__2PRFIN20100730_214112_000000492091_00358_43999_8432.N1	30-JUL-2010 21:41:12	Bright	48.500	35	33Alp Per	1.7950	6250.0	97	43999	No
246	GOM_NL__2PRFIN20100730_214308_000000422091_00358_43999_8433.N1	30-JUL-2010 21:43:08	Bright	41.500	6	13Alp Aur	0.080000	3400.0	83	43999	No
247	GOM_NL__2PRFIN20100730_214504_000000462091_00358_43999_8434.N1	30-JUL-2010 21:45:04	Bright	45.500	149	45Eps Per	2.8880	30000.	91	43999	No
248	GOM_NL__2PRFIN20100730_214806_000000542091_00358_43999_8435.N1	30-JUL-2010 21:48:06	Twi_and_stray	54.000	150	44Zet Per	2.8900	28000.	108	43999	No
249	GOM_NL__2PRFIN20100730_215023_000000412091_00358_43999_8436.N1	30-JUL-2010 21:50:23	Twi_and_stray	41.000	176	23Zet Tau	3.0200	22000.	82	43999	No
250	GOM_NL__2PRFIN20100730_215250_000000622091_00358_43999_8437.N1	30-JUL-2010 21:52:50	Dark	62.000	13	87Alp Tau	0.86700	3800.0	124	43999	No
251	GOM_NL__2PRFIN20100730_215451_000000432091_00358_43999_8438.N1	30-JUL-2010 21:54:51	Dark	42.500	27	24Gam Ori	1.6360	26000.	85	43999	No
252	GOM_NL__2PRFIN20100730_215912_000000402091_00358_43999_8439.N1	30-JUL-2010 21:59:12	Dark	39.500	7	19Bet Ori	0.10000	14000.	79	43999	No
253	GOM_NL__2PRFIN20100730_220337_000000542091_00358_43999_8440.N1	30-JUL-2010 22:03:37	Dark	53.500	165	34Gam Eri	2.9500	3200.0	107	43999	No
254	GOM_NL__2PRFIN20100730_221301_000000462091_00358_43999_8441.N1	30-JUL-2010 22:13:01	Dark	46.000	157	The1Eri	2.9060	9300.0	92	43999	No
255	GOM_NL__2PRFIN20100730_221837_000000442091_00359_44000_8432.N1	30-JUL-2010 22:18:37	Dark	43.500	9	Alp Eri	0.45300	24000.	87	44000	No
256	GOM_NL__2PRFIN20100730_222316_000000562091_00359_44000_8433.N1	30-JUL-2010 22:23:16	Straylight	55.500	84	Alp Phe	2.3970	4500.0	111	44000	No
257	GOM_NL__2PRFIN20100730_222853_000000522091_00359_44000_8434.N1	30-JUL-2010 22:28:53	Straylight	52.000	31	Alp Gru	1.7340	15200.	104	44000	No
258	GOM_NL__2PRFIN20100730_223202_000000482091_00359_44000_8435.N1	30-JUL-2010 22:32:02	Straylight	47.500	172	Gam Gru	3.0030	13100.	95	44000	No
259	GOM_NL__2PRFIN20100730_224804_000000402091_00359_44000_8436.N1	30-JUL-2010 22:48:04	Bright	40.000	11	53Alp Aql	0.76500	8000.0	80	44000	No
260	GOM_NL__2PRFIN20100730_225654_000000422091_00359_44000_8437.N1	30-JUL-2010 22:56:54	Bright	41.500	92	53Eps Cyg	2.5000	4500.0	83	44000	No
261	GOM_NL__2PRFIN20100730_225843_000000382091_00359_44000_8438.N1	30-JUL-2010 22:58:43	Bright	38.000	144	18Del Cyg	2.8600	11000.	76	44000	No
262	GOM_NL__2PRFIN20100730_230523_000000392091_00359_44000_8439.N1	30-JUL-2010 23:05:23	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	44000	No
263	GOM_NL__2PRFIN20100730_232147_000000492091_00359_44000_8440.N1	30-JUL-2010 23:21:47	Bright	49.000	35	33Alp Per	1.7950	6250.0	98	44000	No
264	GOM_NL__2PRFIN20100730_232344_000000422091_00359_44000_8441.N1	30-JUL-2010 23:23:44	Bright	42.000	6	13Alp Aur	0.080000	3400.0	84	44000	No
265	GOM_NL__2PRFIN20100730_232540_000000462091_00359_44000_8442.N1	30-JUL-2010 23:25:40	Bright	46.000	149	45Eps Per	2.8880	30000.	92	44000	No
266	GOM_NL__2PRFIN20100730_232842_000000532091_00359_44000_8443.N1	30-JUL-2010 23:28:42	Twi_and_stray	53.000	150	44Zet Per	2.8900	28000.	106	44000	No
267	GOM_NL__2PRFIN20100730_233059_000000412091_00359_44000_8444.N1	30-JUL-2010 23:30:59	Twi_and_stray	41.000	176	23Zet Tau	3.0200	22000.	82	44000	No
268	GOM_NL__2PRFIN20100730_233326_000000572091_00359_44000_8445.N1	30-JUL-2010 23:33:26	Dark	57.000	13	87Alp Tau	0.86700	3800.0	114	44000	No
269	GOM_NL__2PRFIN20100730_233527_000000422091_00359_44000_8446.N1	30-JUL-2010 23:35:27	Dark	41.500	27	24Gam Ori	1.6360	26000.	83	44000	No
270	GOM_NL__2PRFIN20100730_233948_000000502091_00359_44000_8447.N1	30-JUL-2010 23:39:48	Dark	50.000	7	19Bet Ori	0.10000	14000.	100	44000	No
271	GOM_NL__2PRFIN20100730_234413_000000552091_00359_44000_8448.N1	30-JUL-2010 23:44:13	Dark	54.500	165	34Gam Eri	2.9500	3200.0	109	44000	No
272	GOM_NL__2PRFIN20100730_235914_000000432091_00360_44001_8977.N1	30-JUL-2010 23:59:14	Dark	43.000	9	Alp Eri	0.45300	24000.	86	44001	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

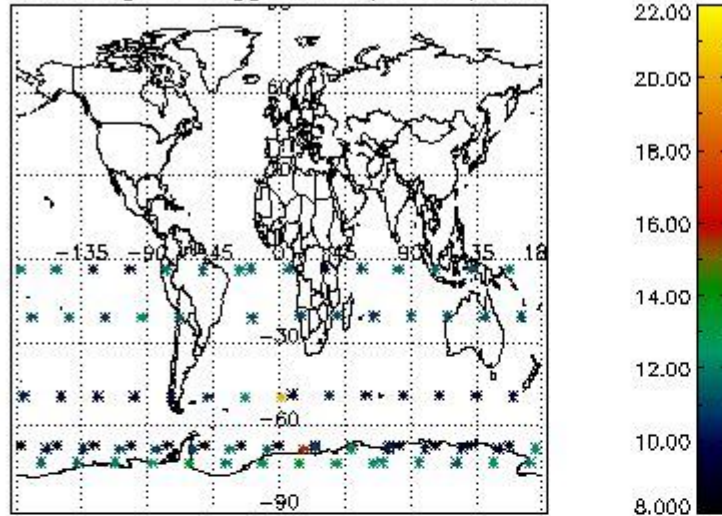
the MPH set to "0") are used.

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

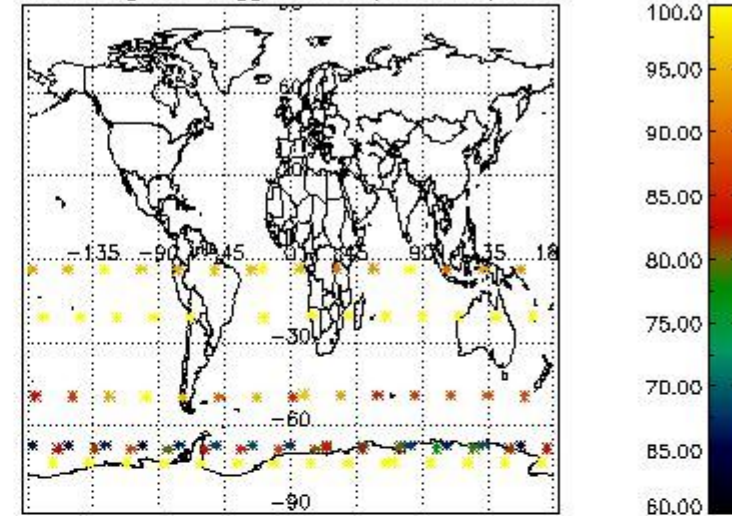


### 3.2 Plot quality information per product (world map)

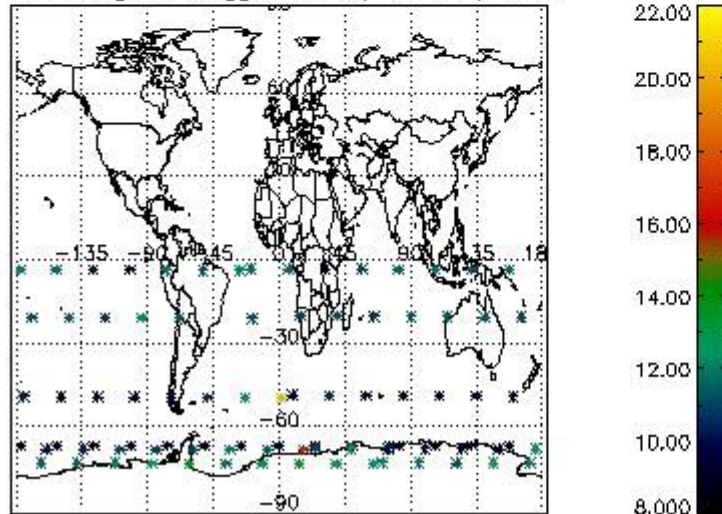
Percentage of flagged data per O3 profile



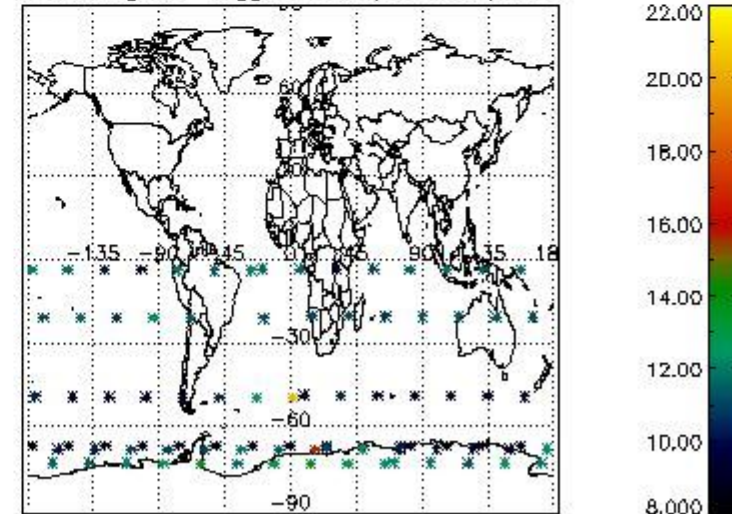
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

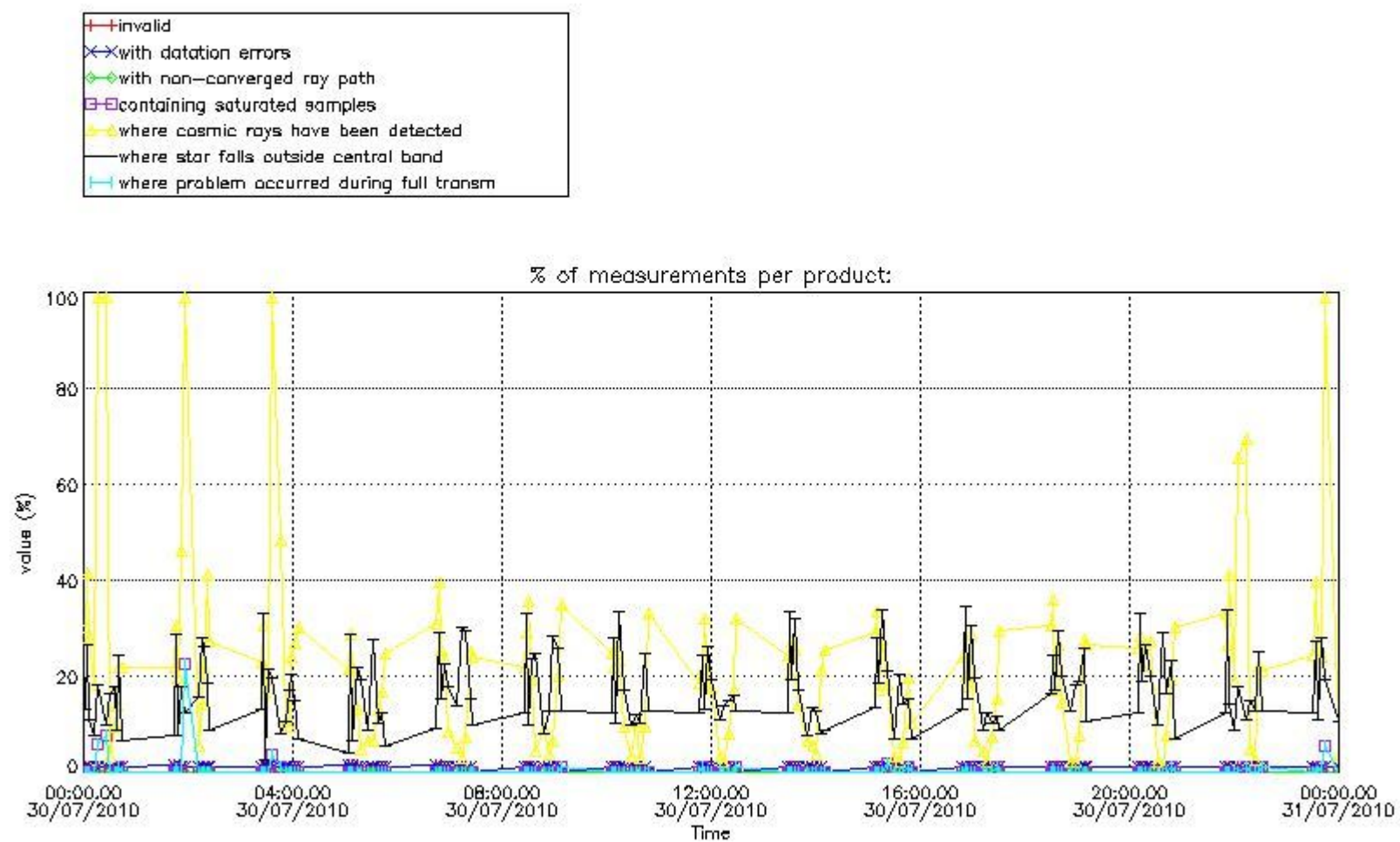


#### 4. Level 1 quality information per product

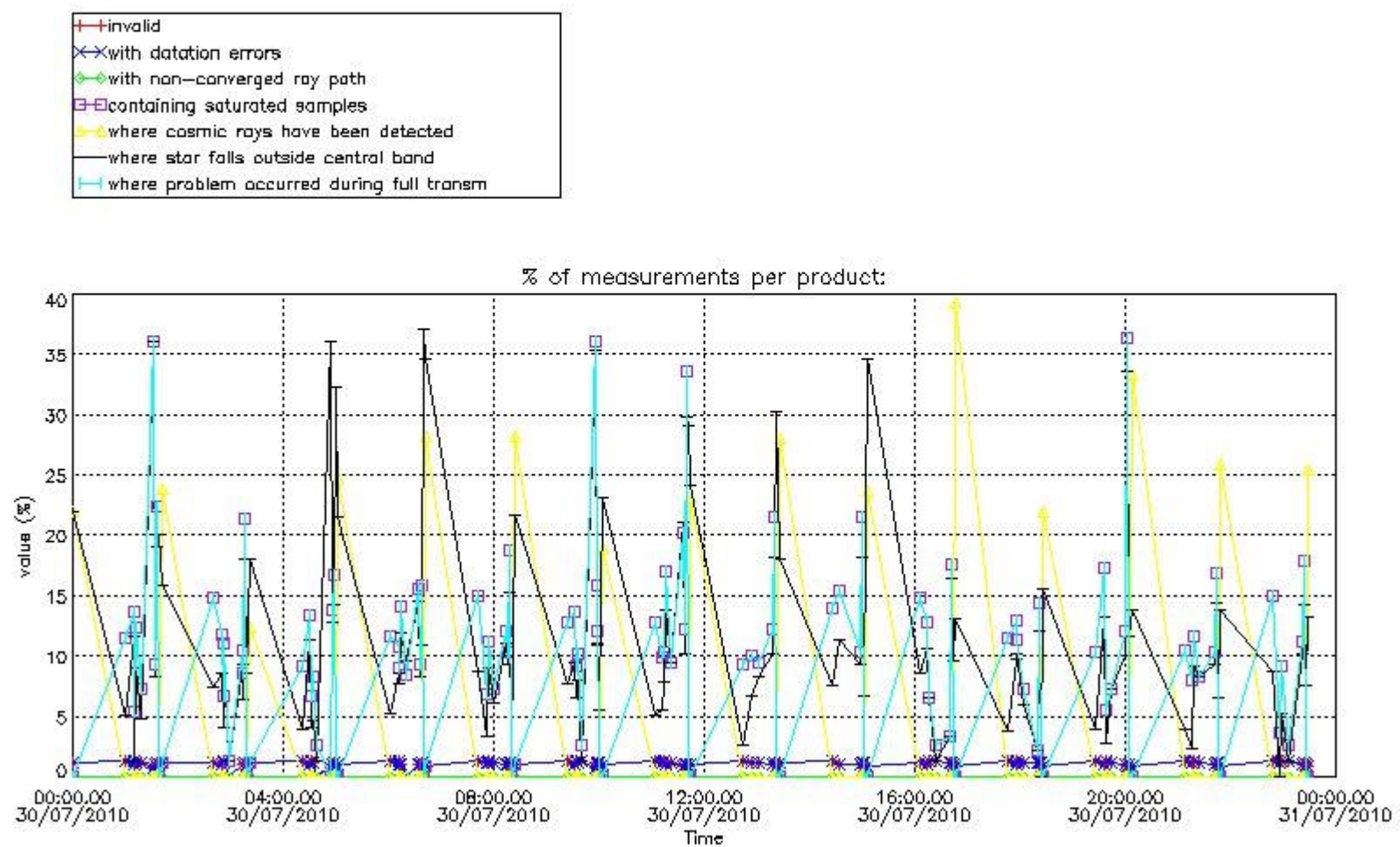
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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



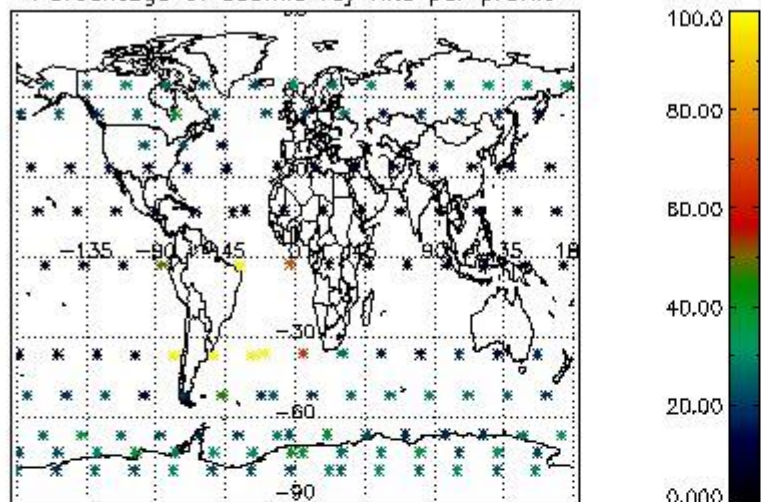
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



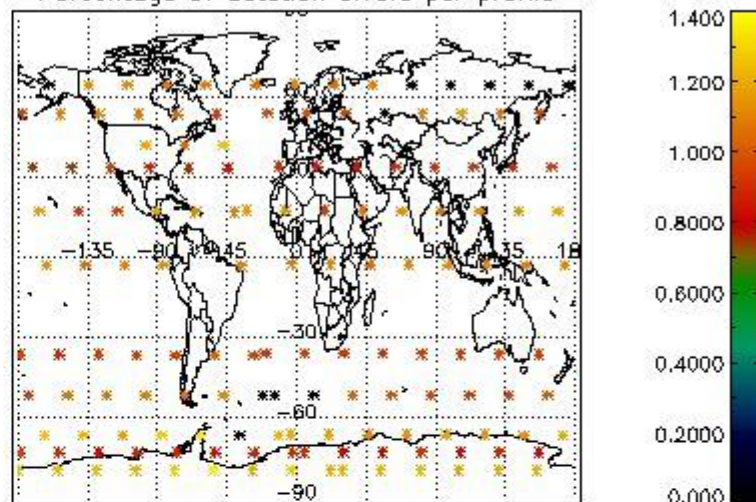
*4.2 Plot quality information per product coming from level 1b processing (world map)*

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

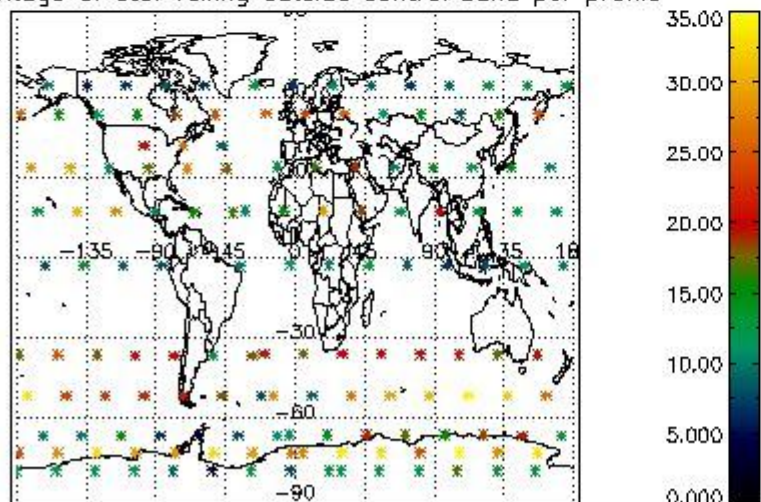
Percentage of cosmic ray hits per profile



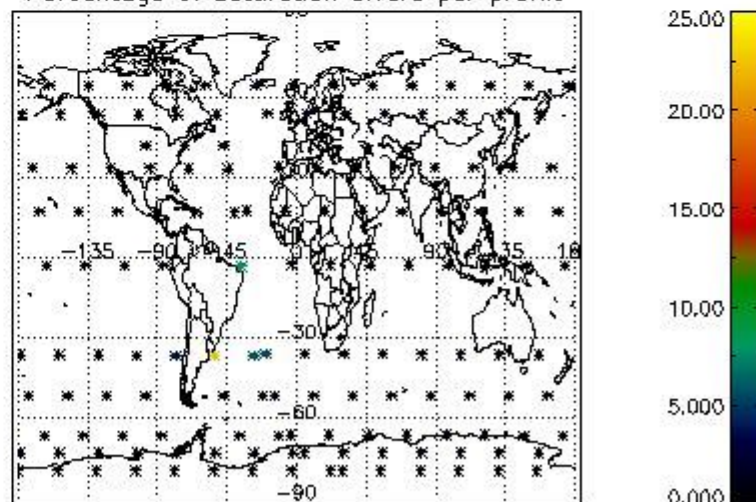
Percentage of datation errors per profile



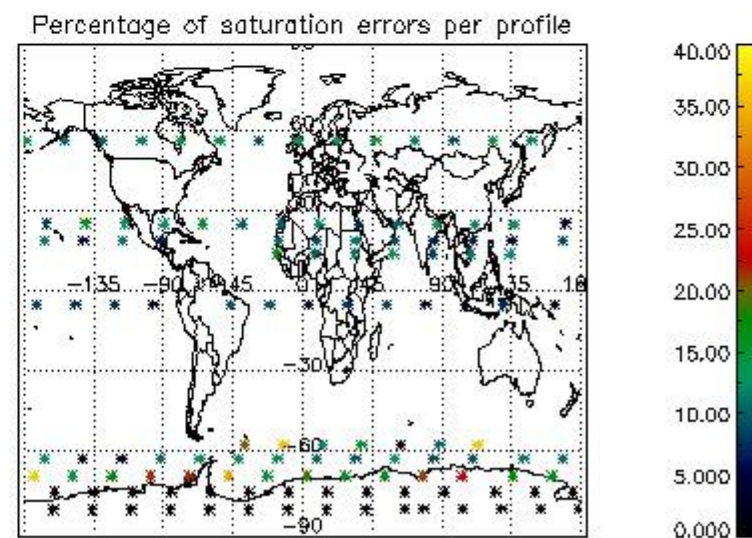
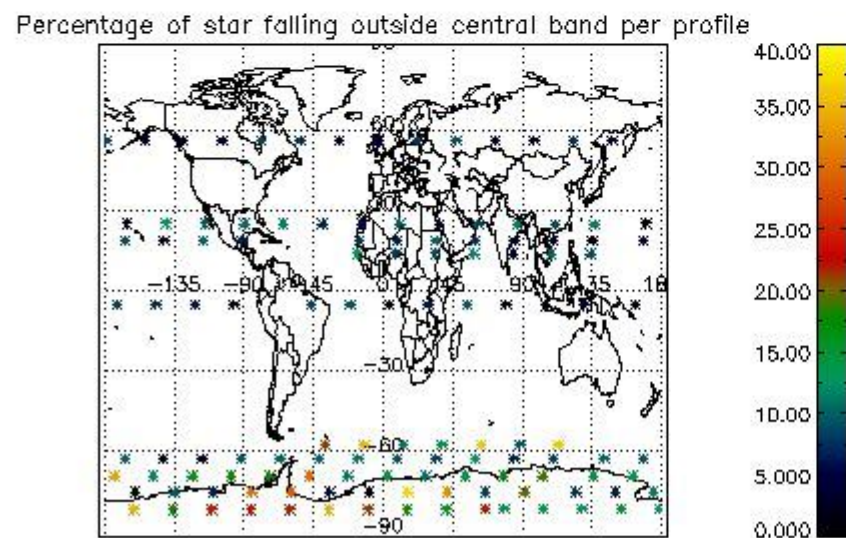
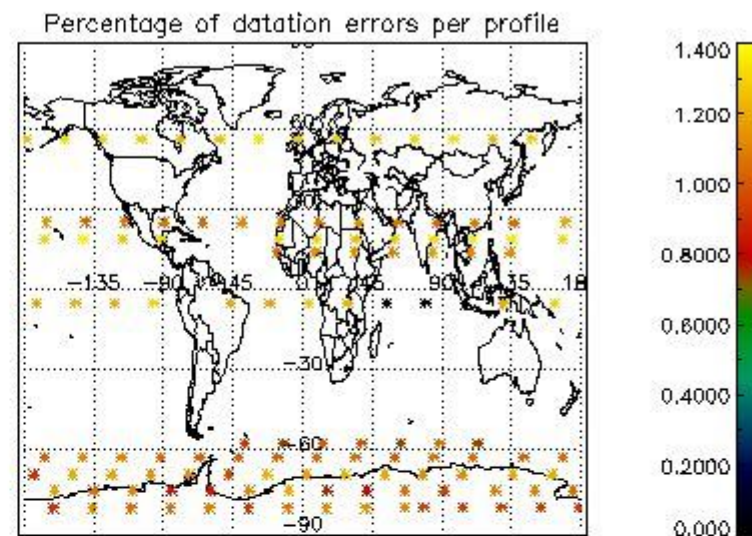
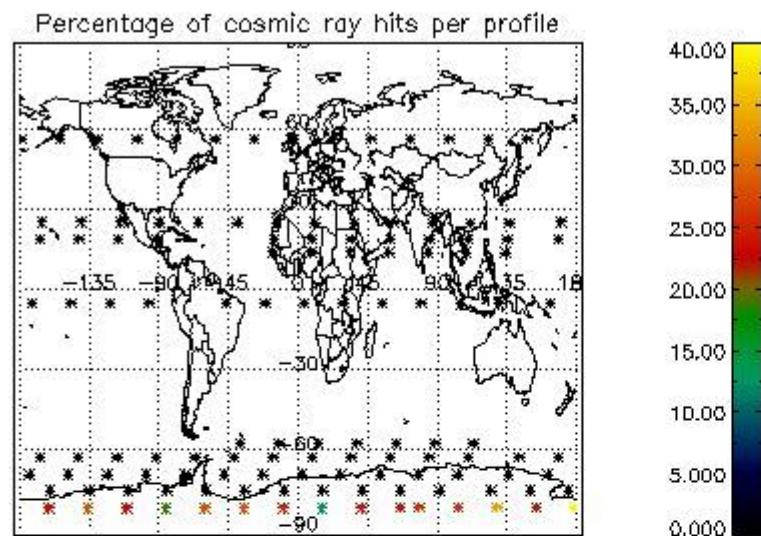
Percentage of star falling outside central band per profile



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

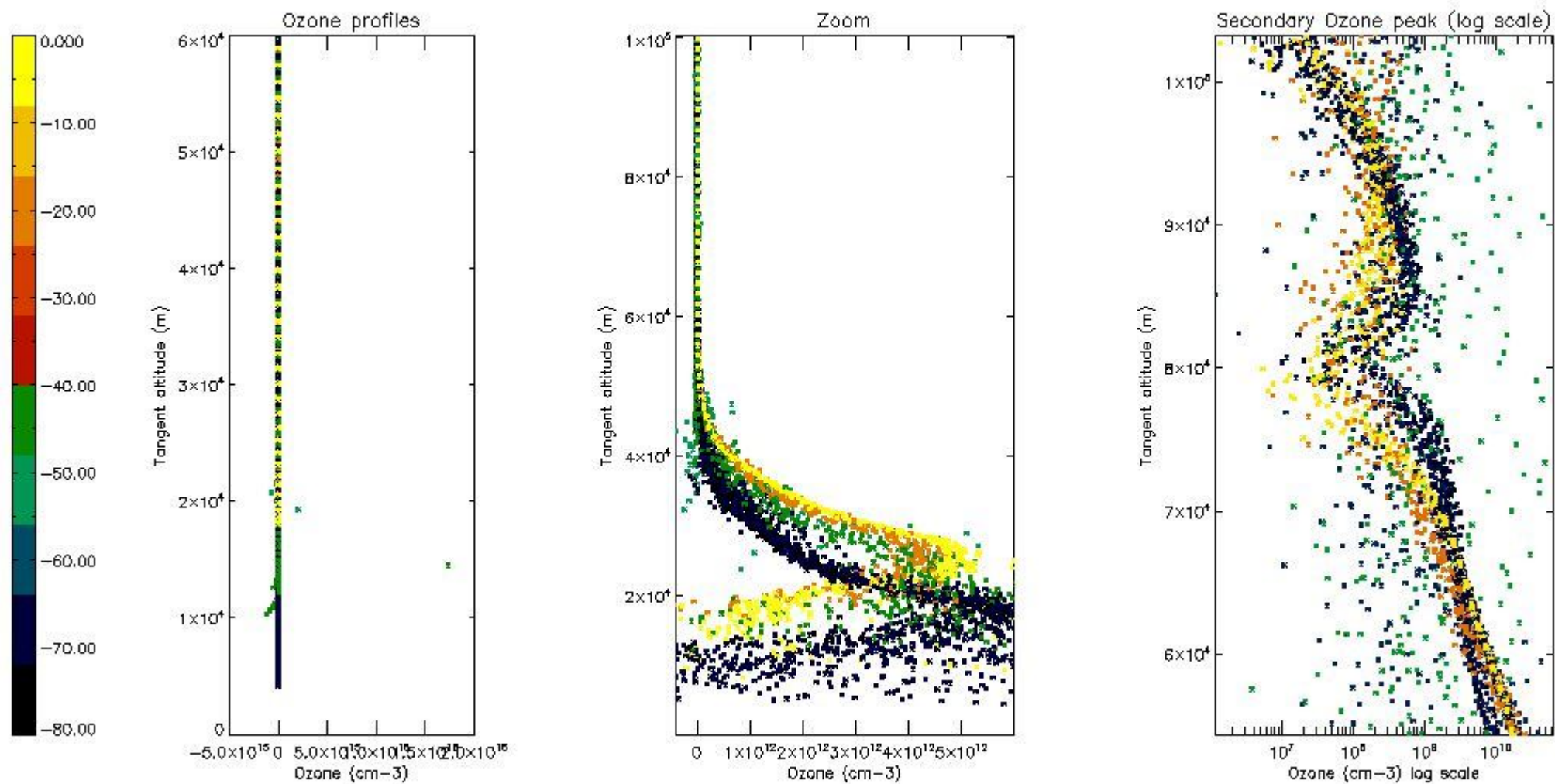
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	34
STD < 20	17

STD < 10	13
STD < 5	9

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

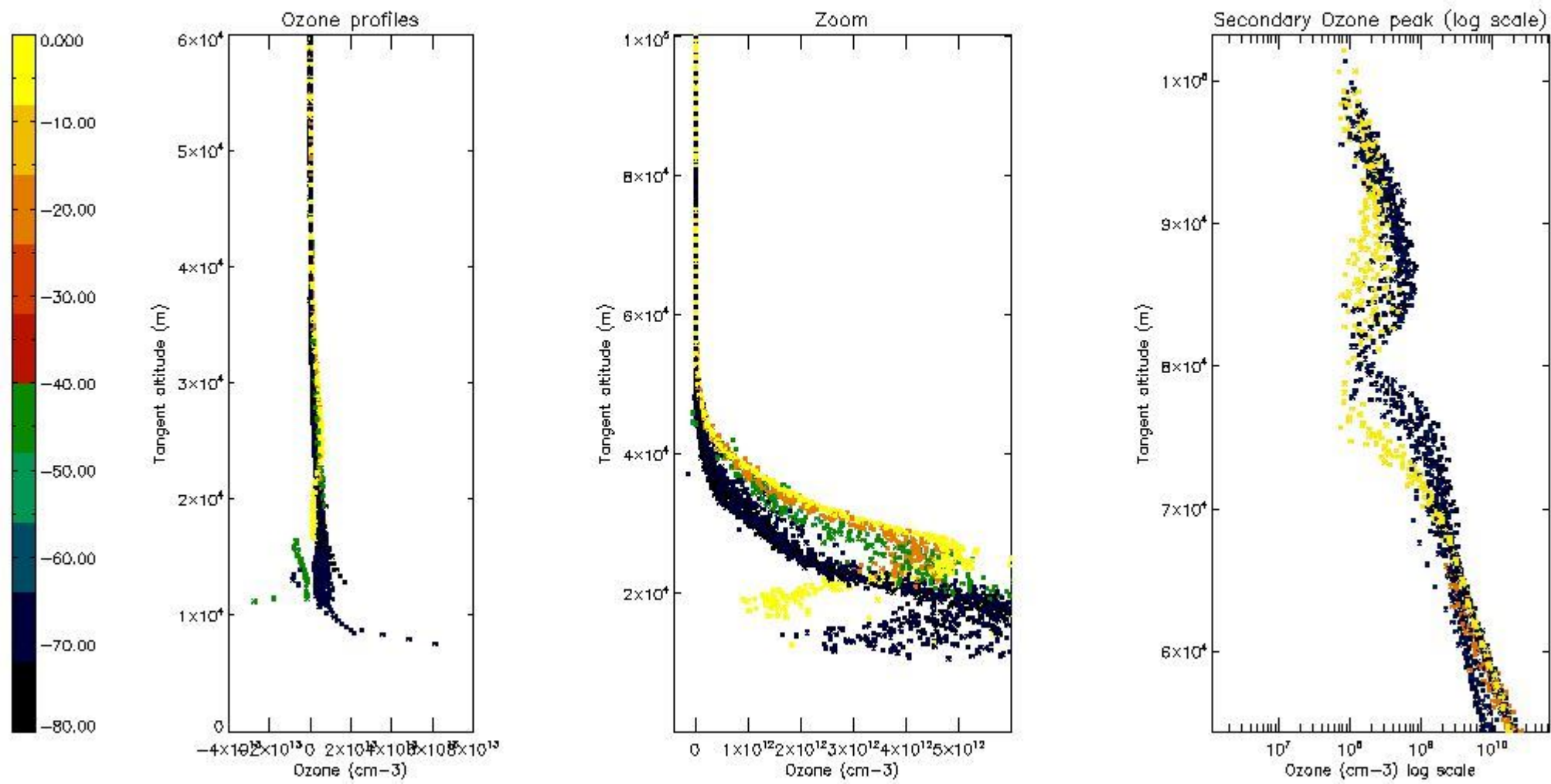
The colorbar represents the latitude.



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

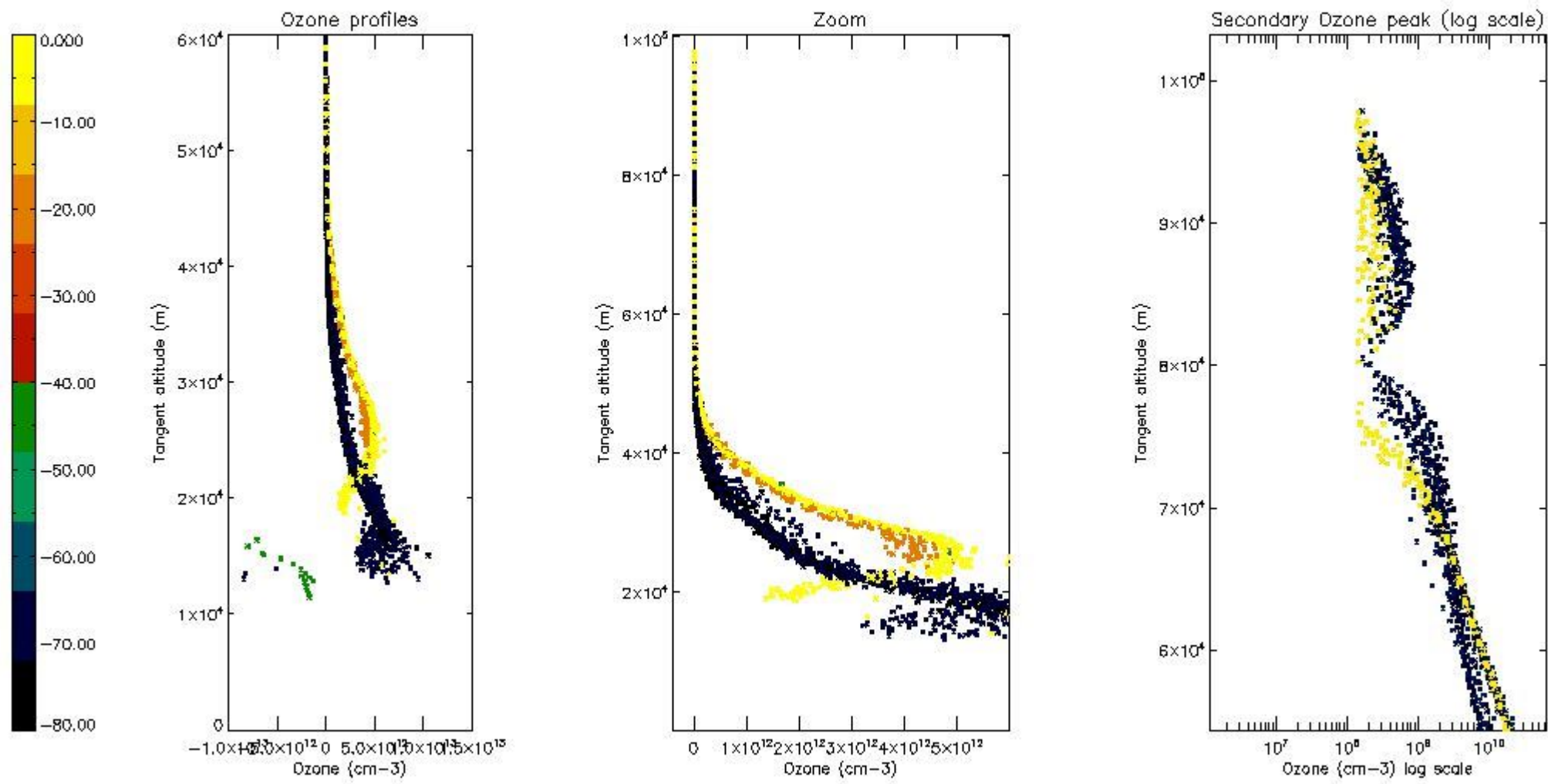
The colorbar represents the latitude.





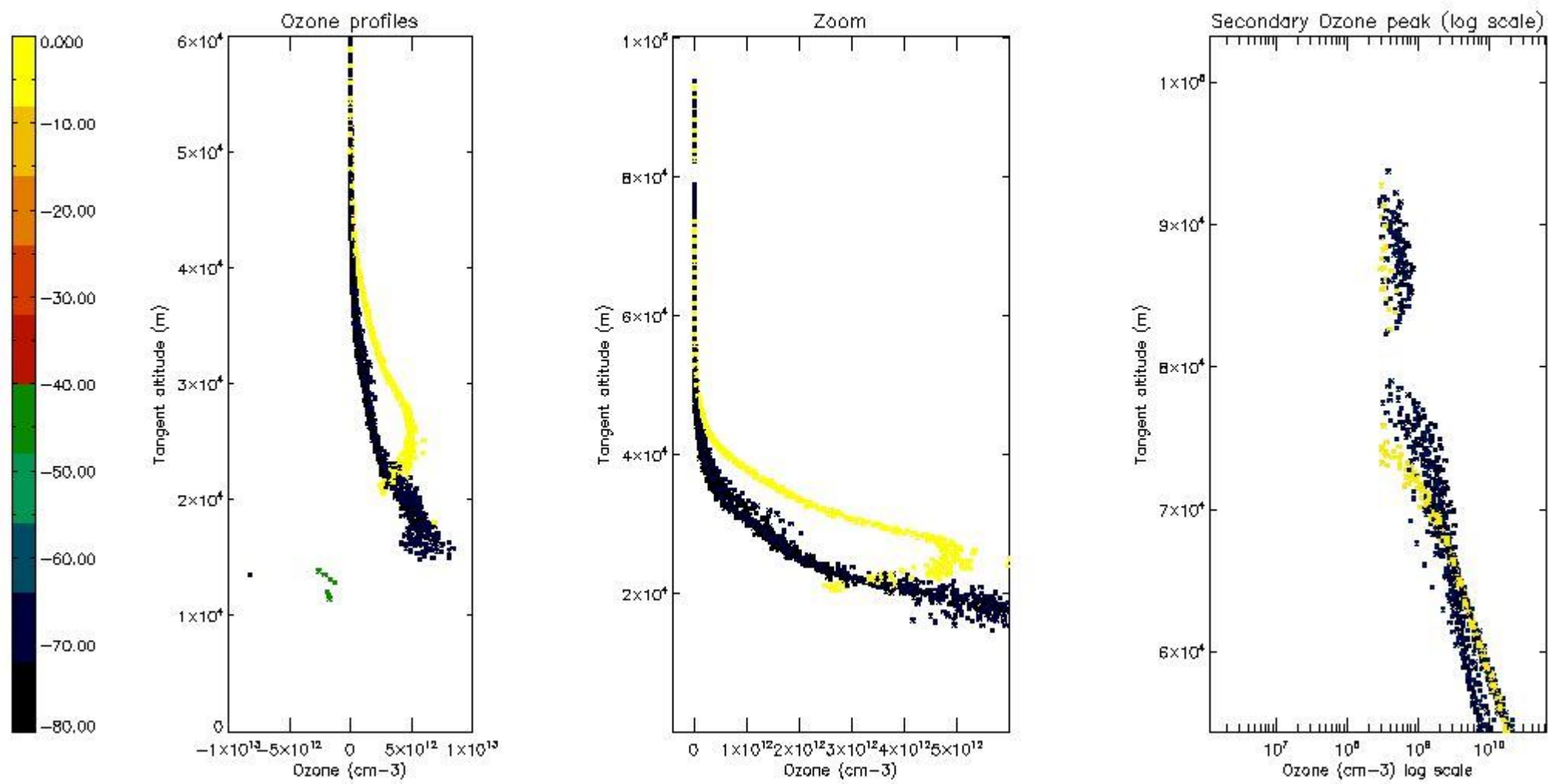
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



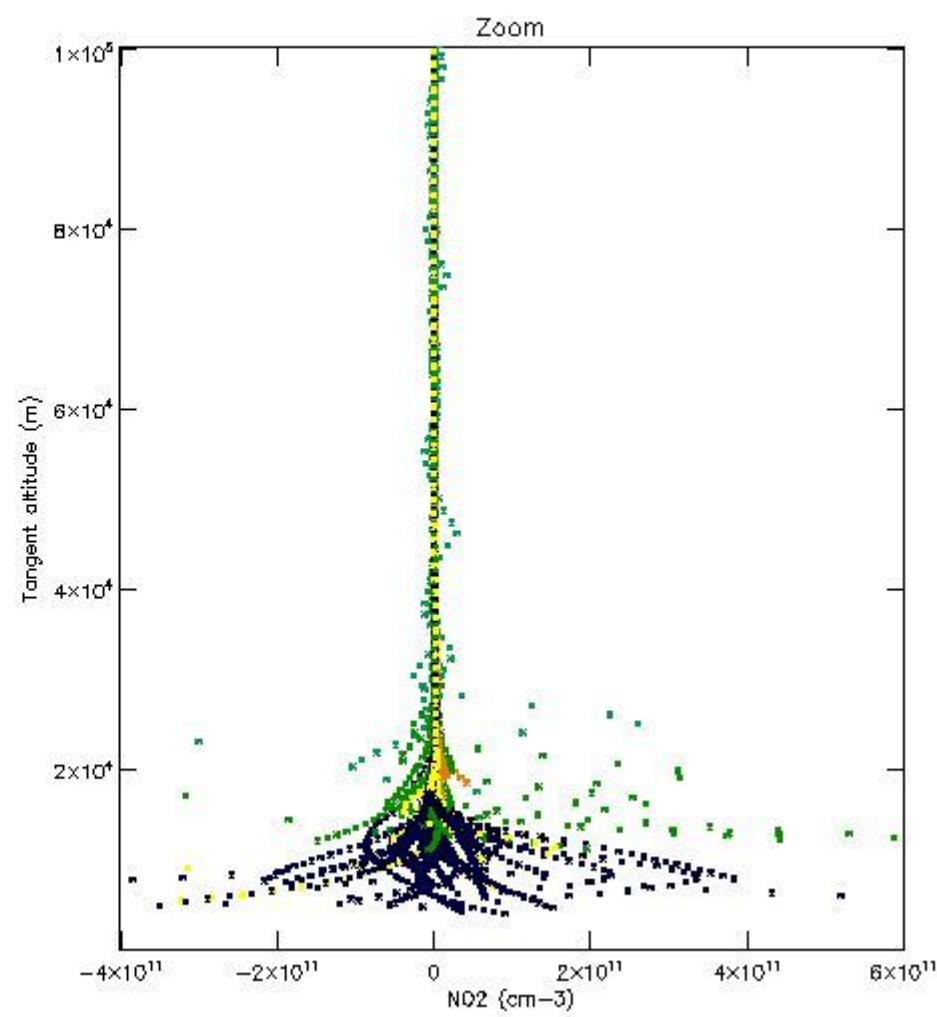
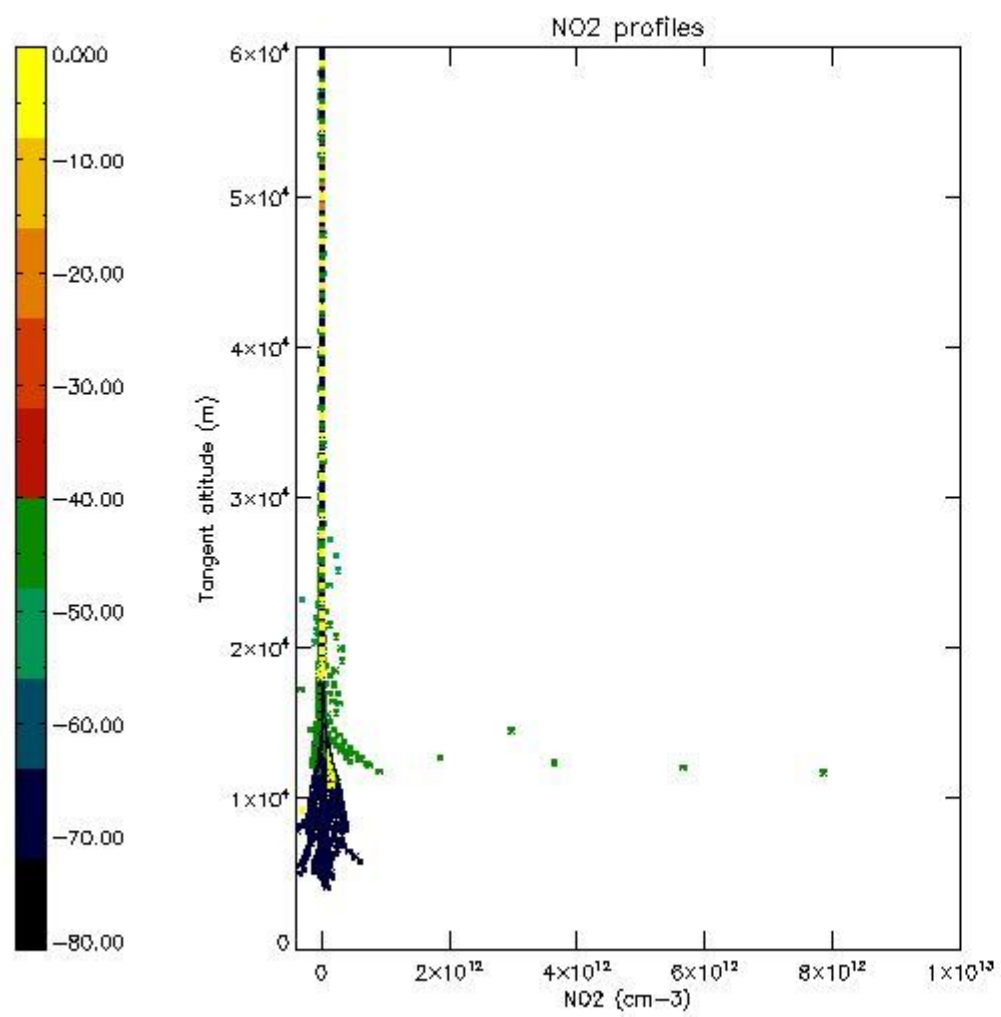
*5.5 Plot ozone profiles where  $STD < 5\%$  (dark without errors)*

The colorbar represents the latitude.



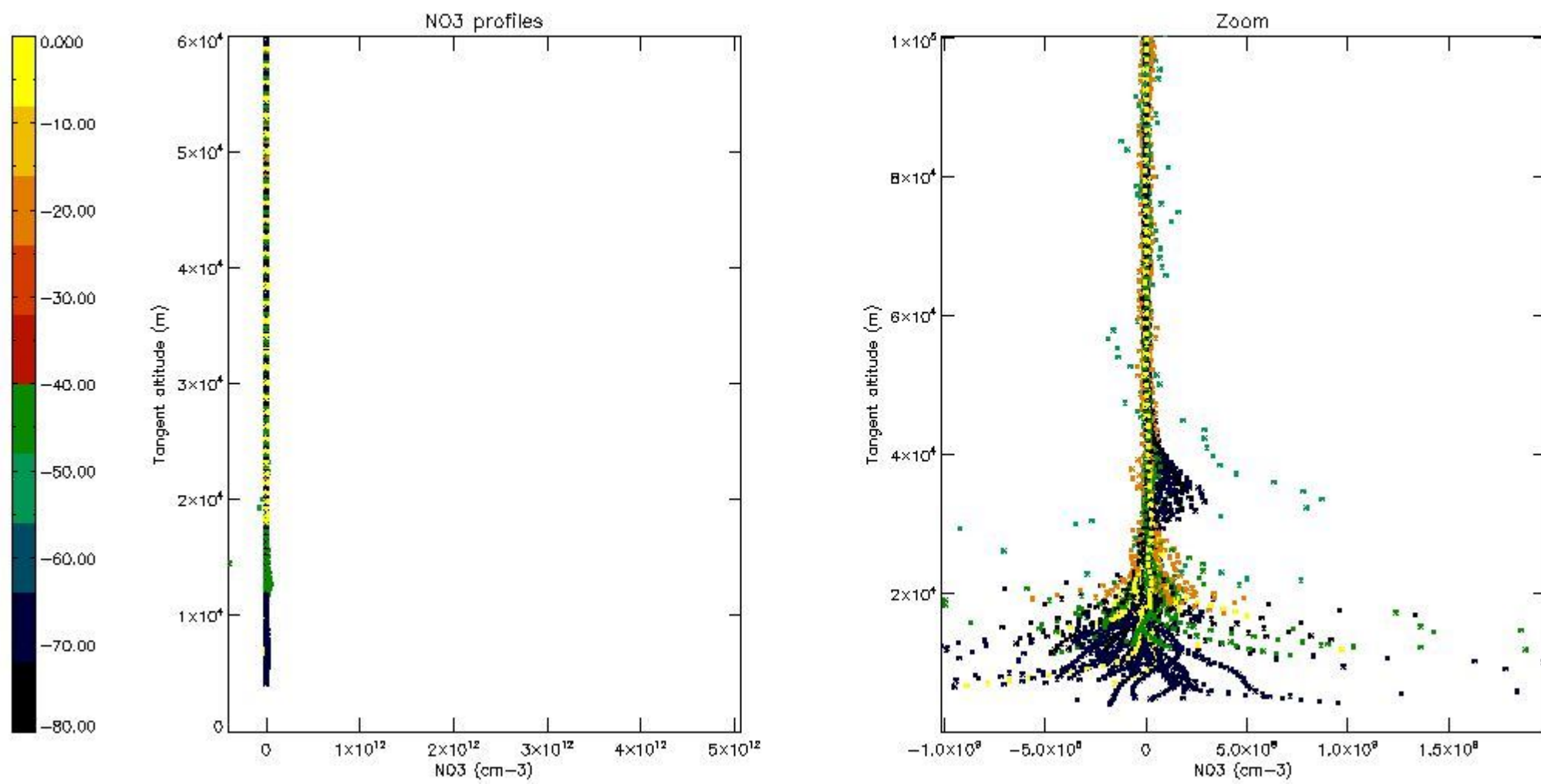
5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)

The colorbar represents the latitude.



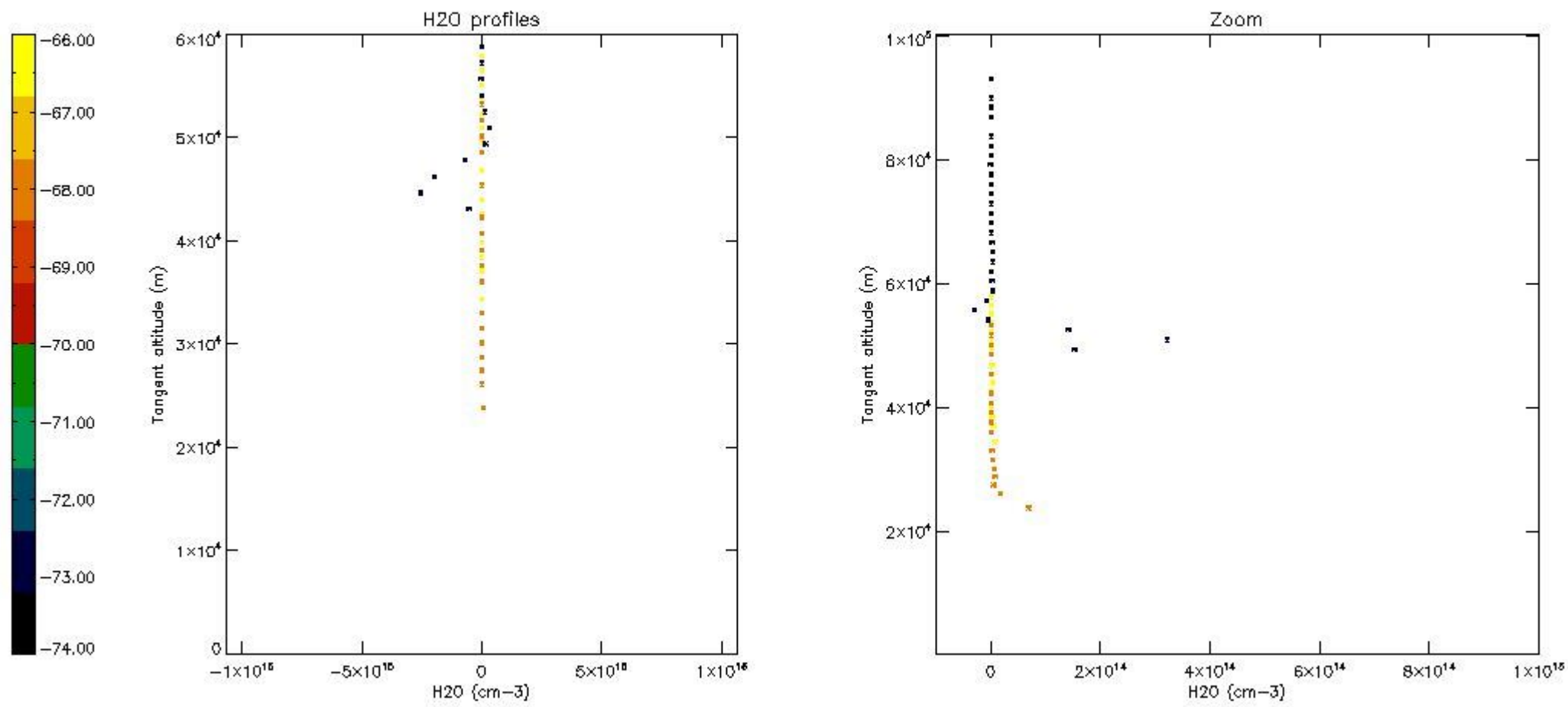
*5.7 Plot NO3 profiles for all STD (dark without errors)*

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)*

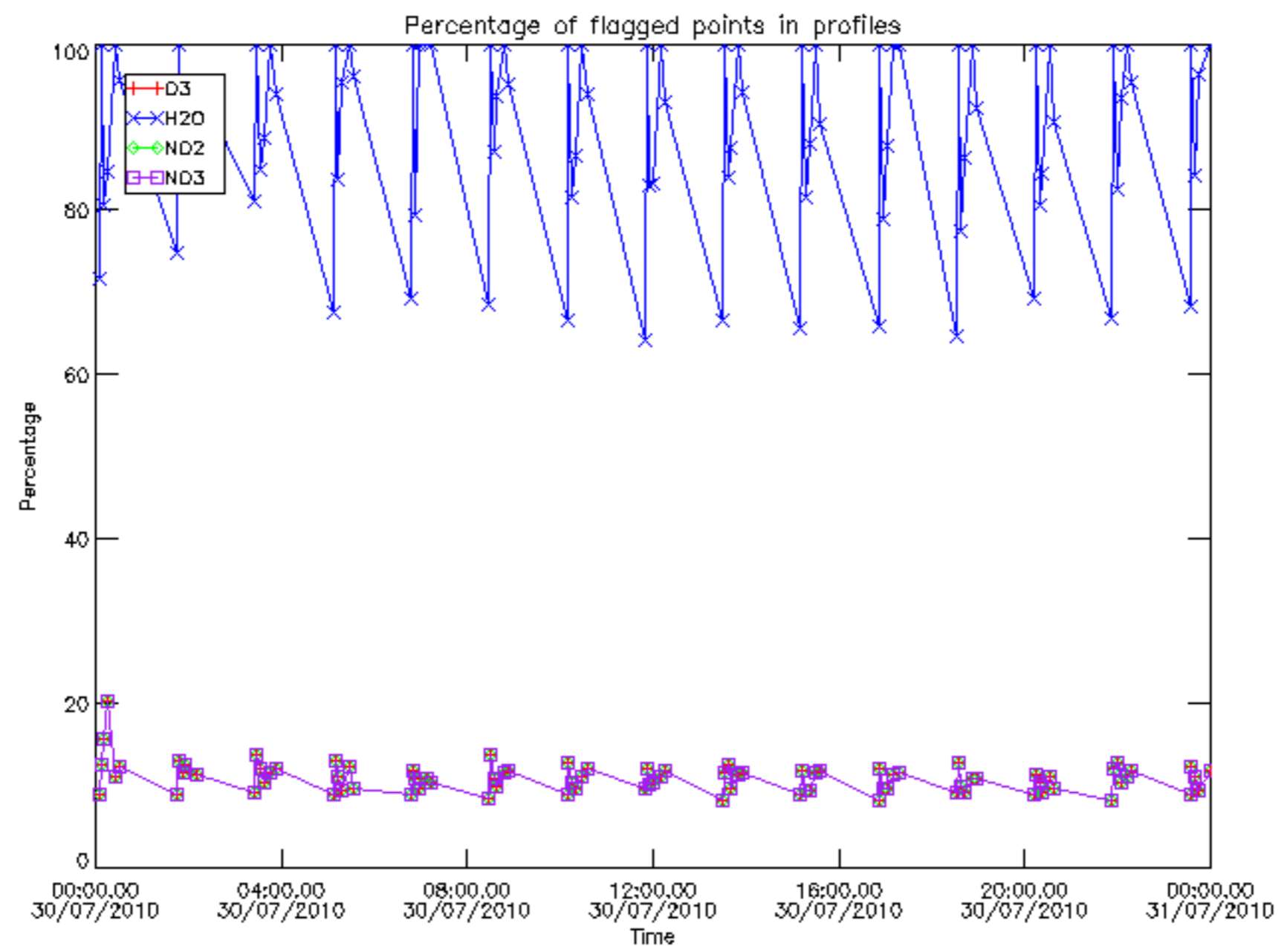
The colorbar represents the latitude.



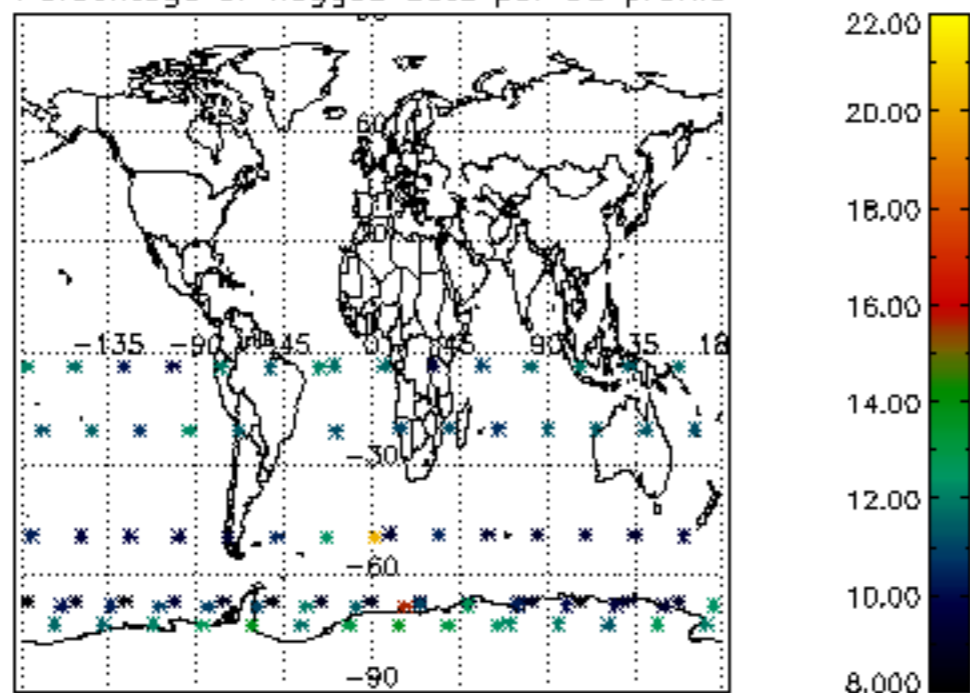
## 6. Auxiliary Data Files used for the production reported in section 2

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.

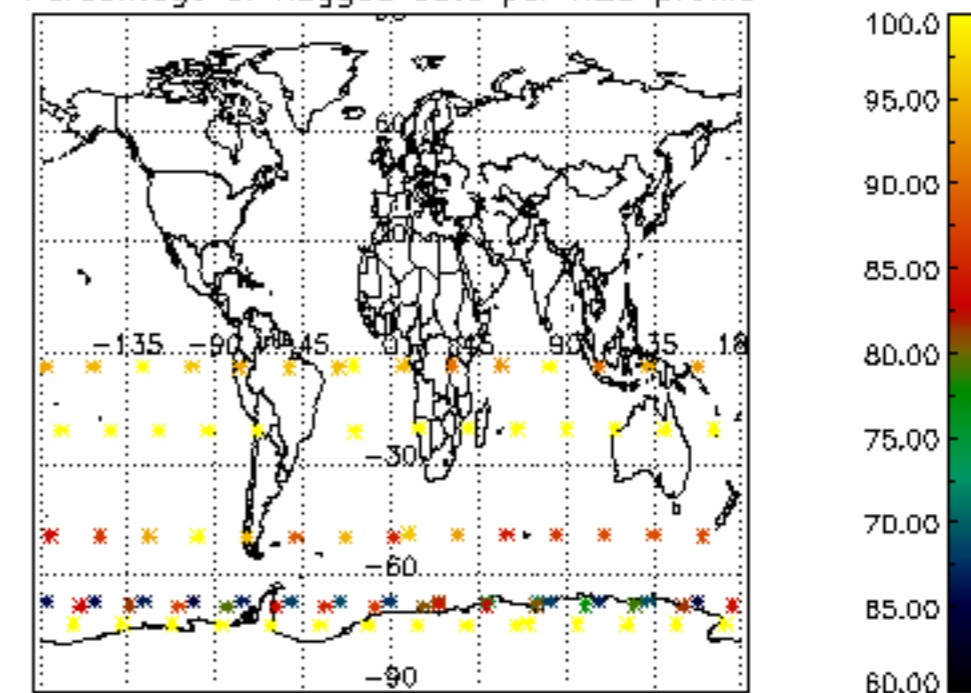
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	30-JUL-2010 00:00:29
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	30-JUL-2010 00:00:29
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	30-JUL-2010 00:00:29



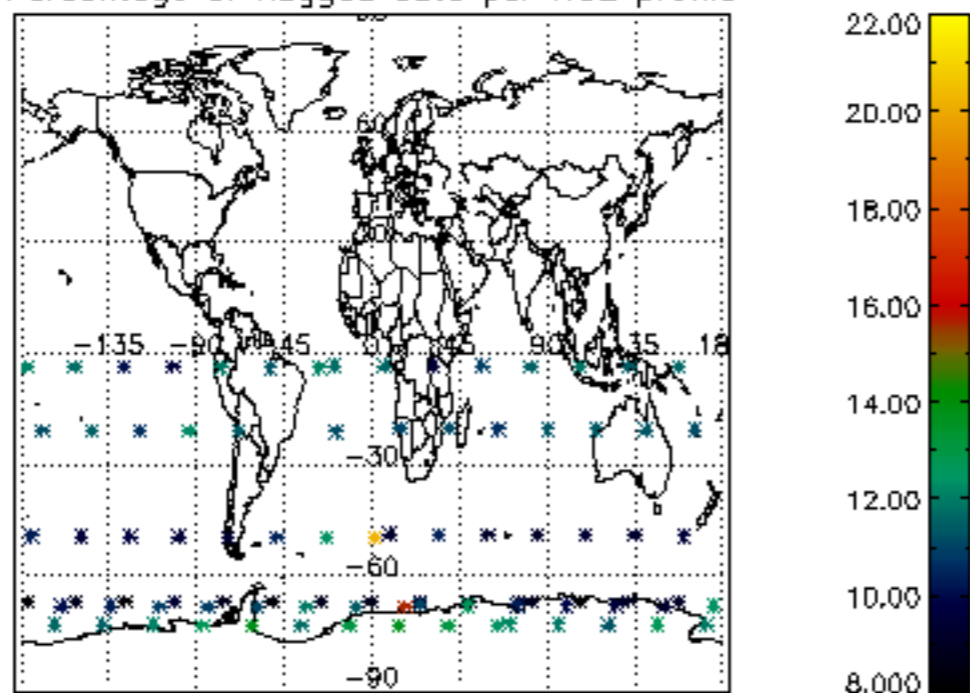
Percentage of flagged data per D3 profile



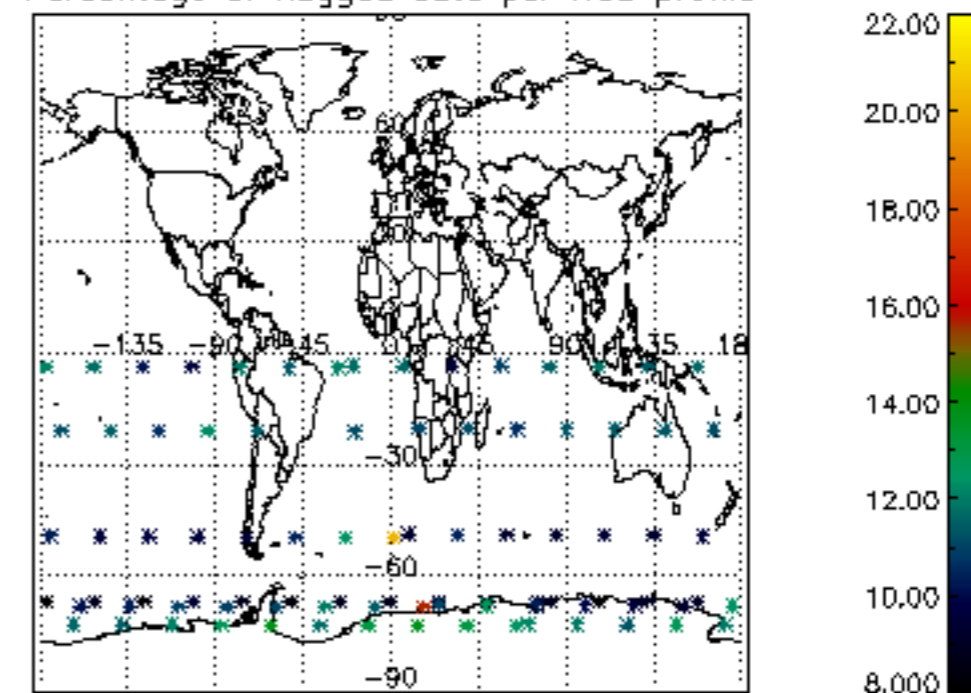
Percentage of flagged data per H2O profile



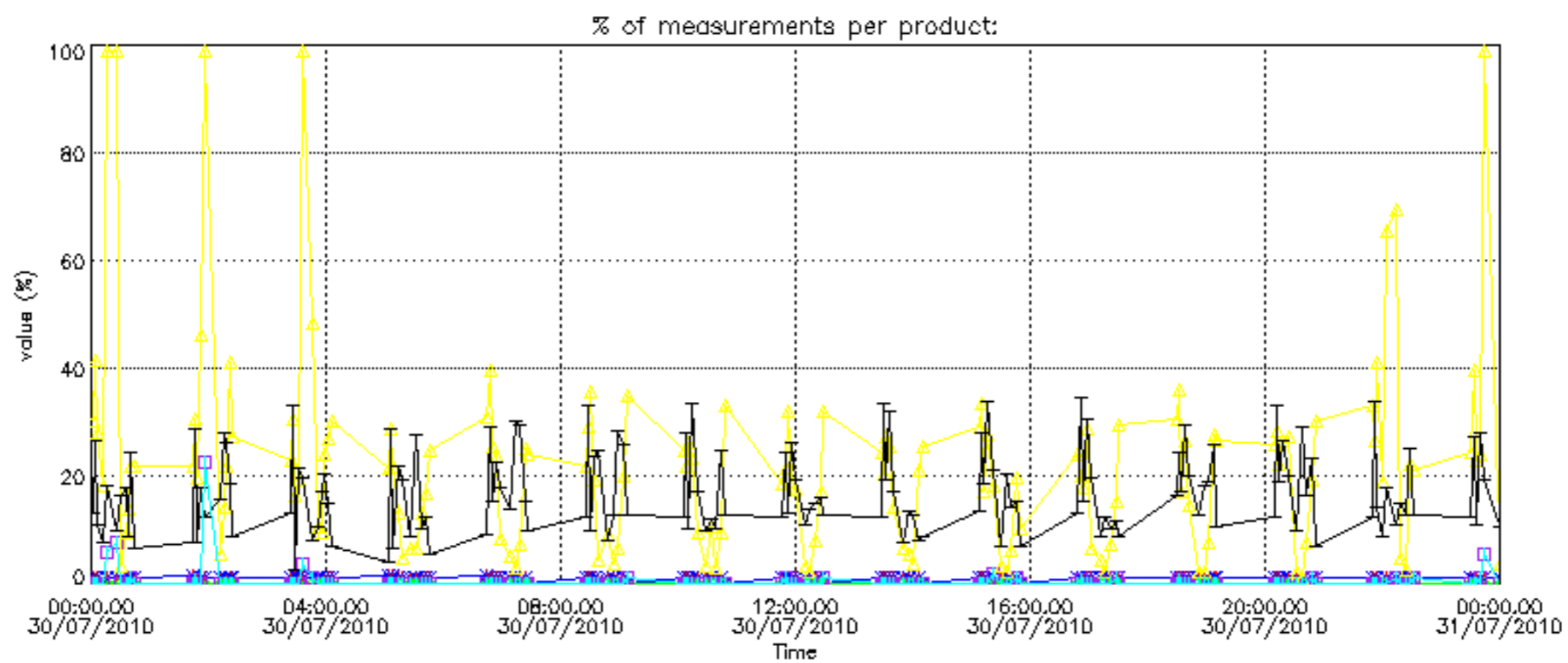
Percentage of flagged data per NO2 profile

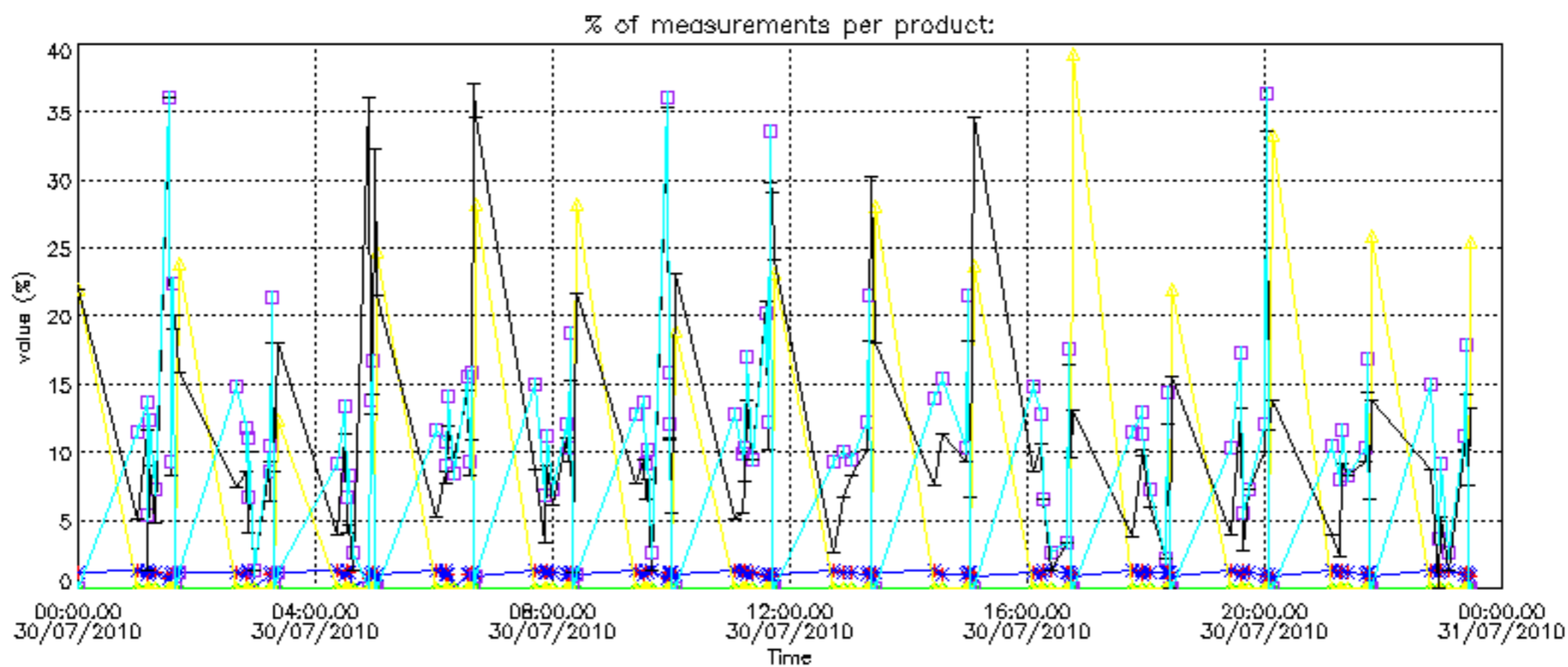


Percentage of flagged data per NO3 profile

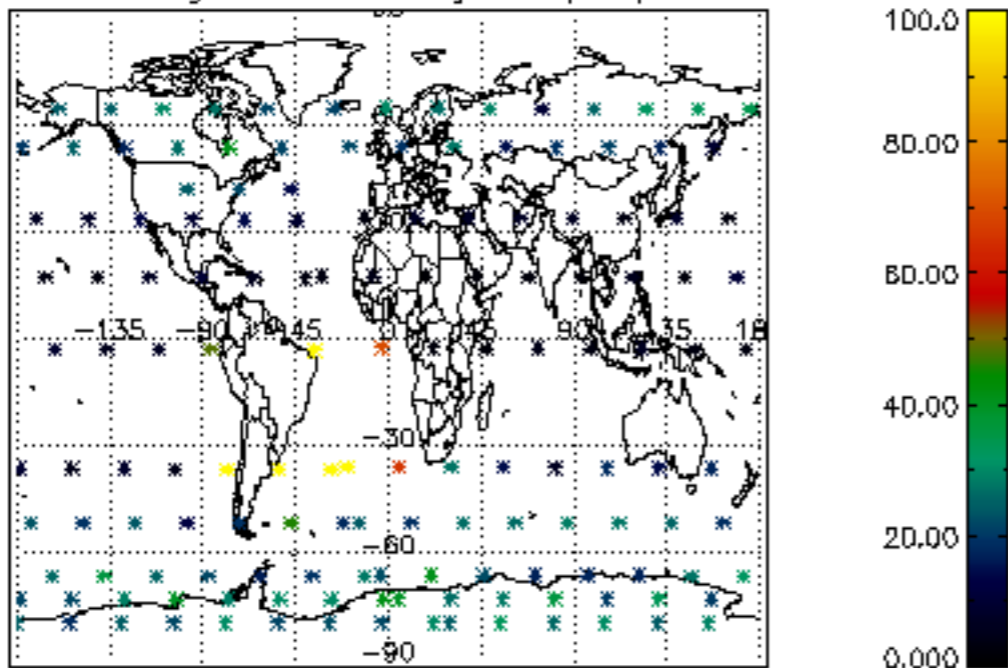




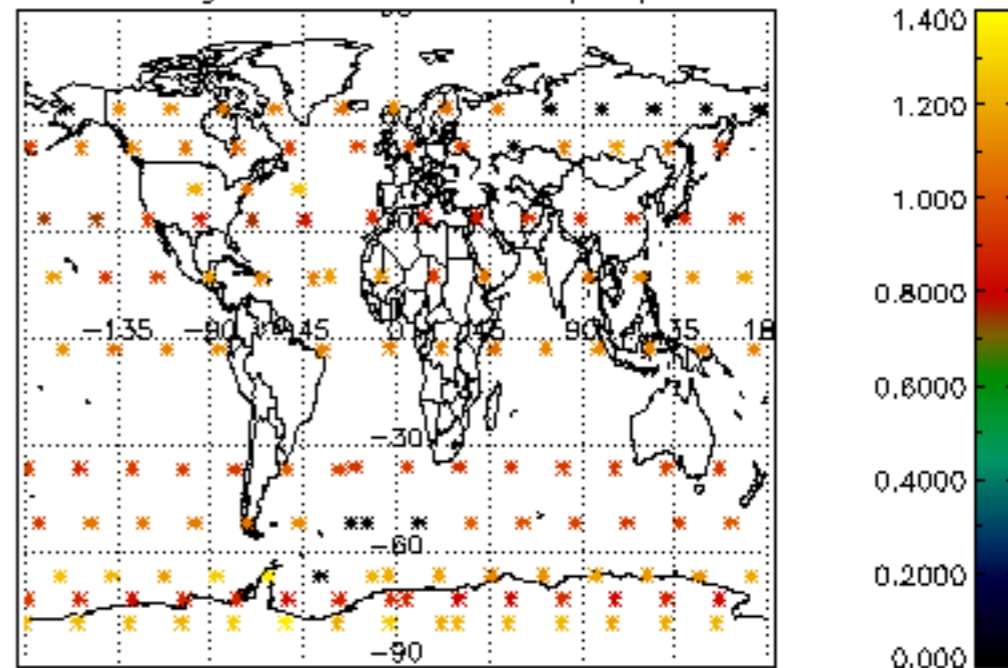




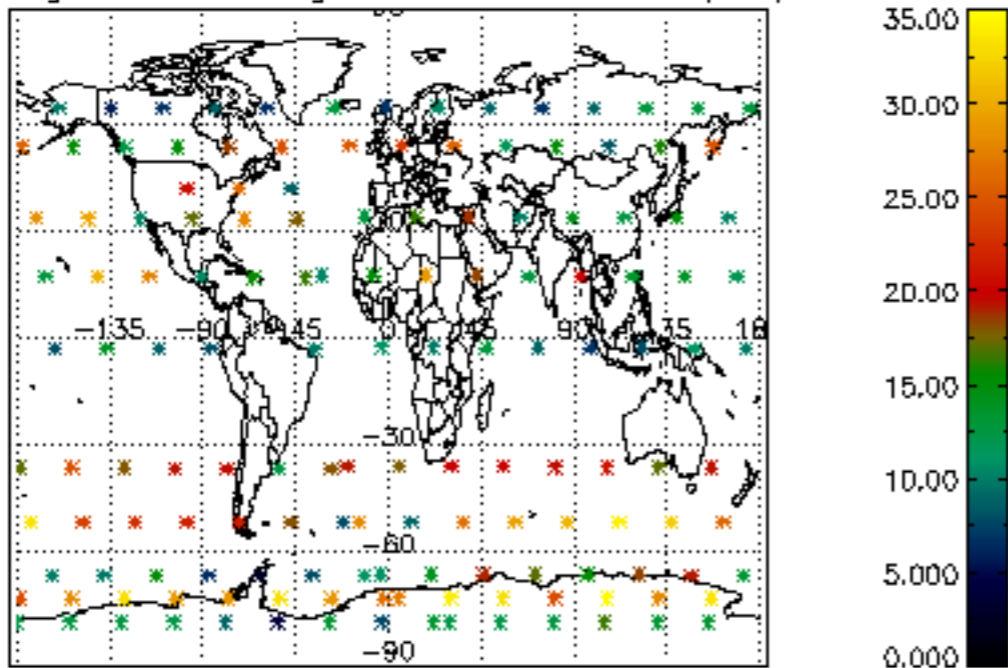
Percentage of cosmic ray hits per profile



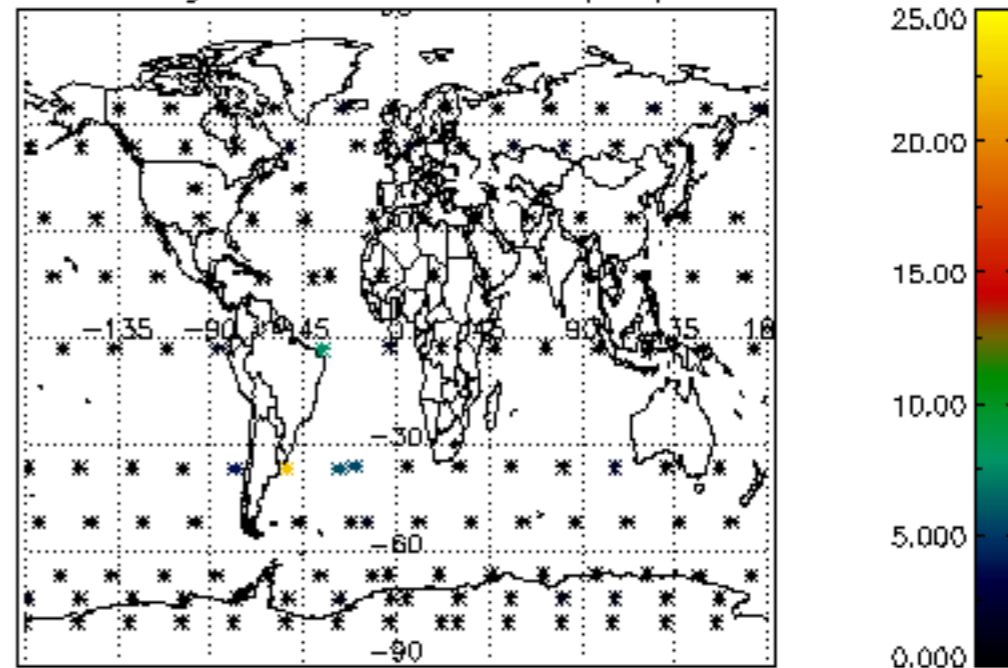
Percentage of datation errors per profile



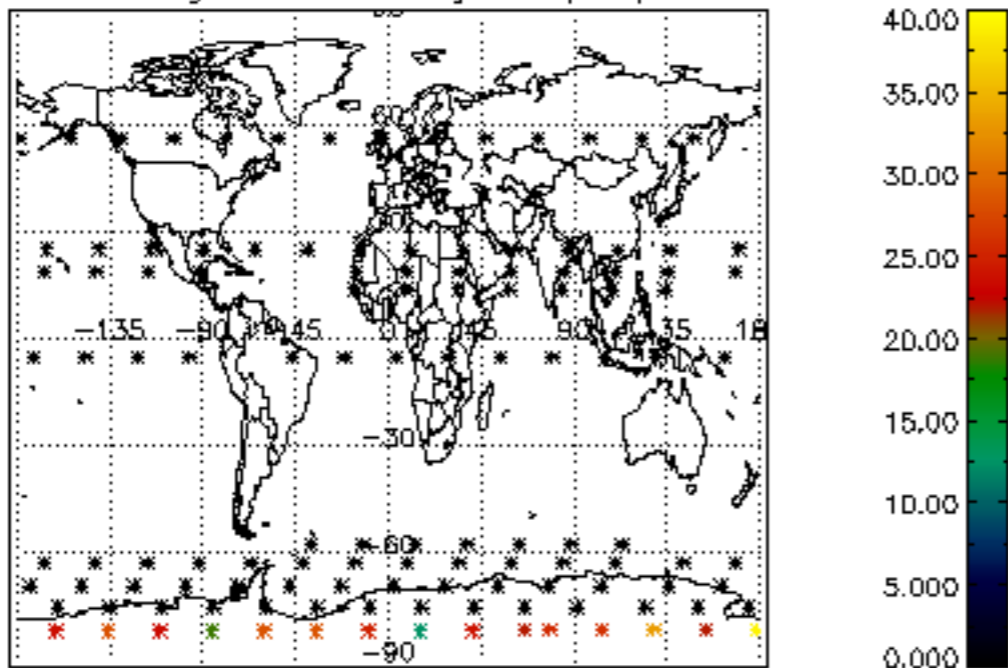
Percentage of star falling outside central band per profile



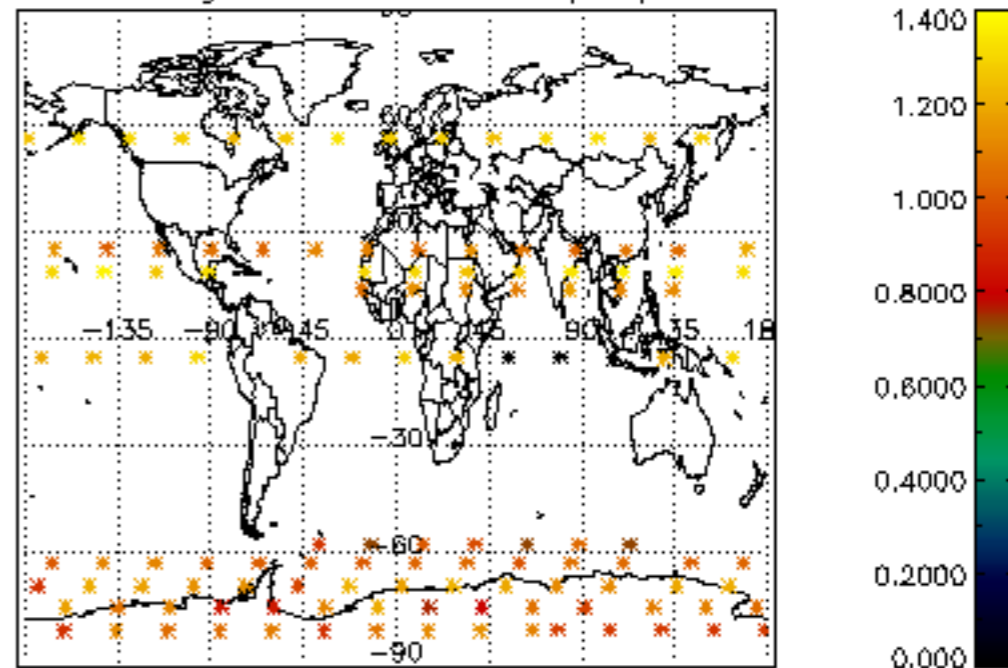
Percentage of saturation errors per profile



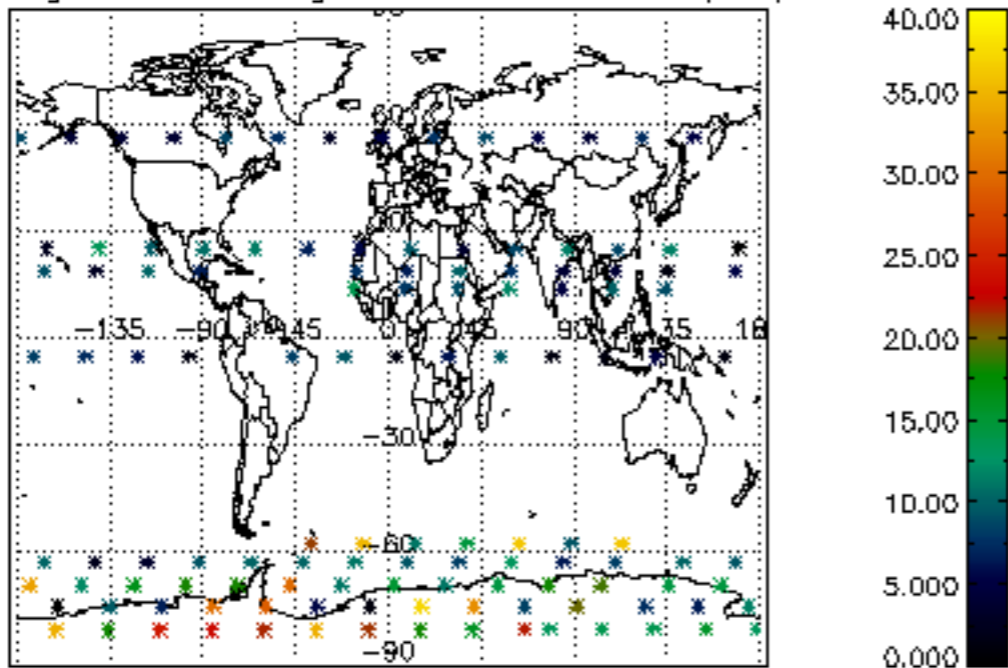
Percentage of cosmic ray hits per profile



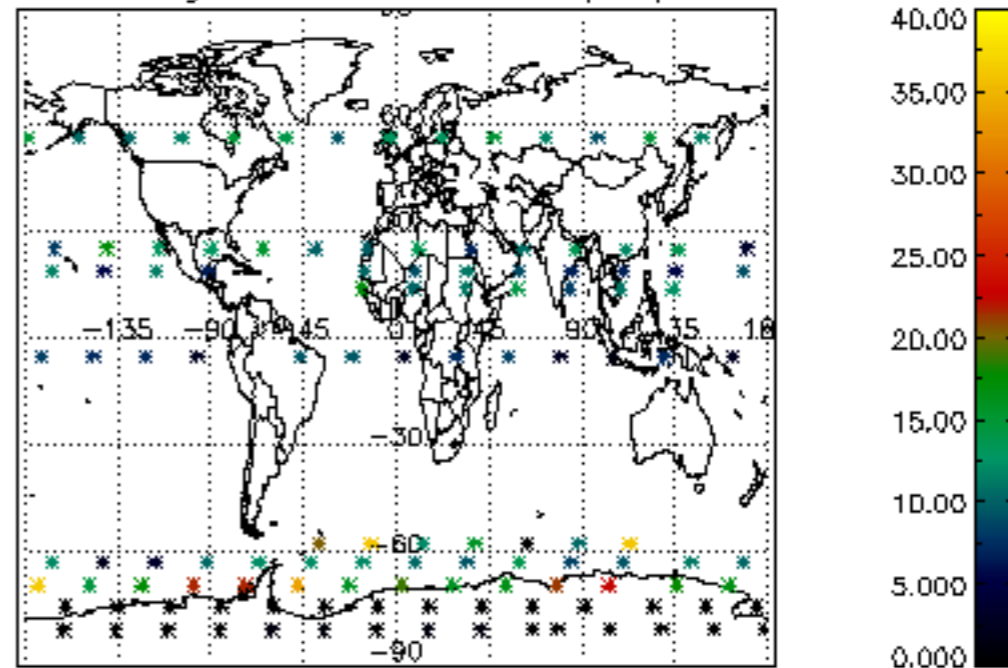
Percentage of datation errors per profile

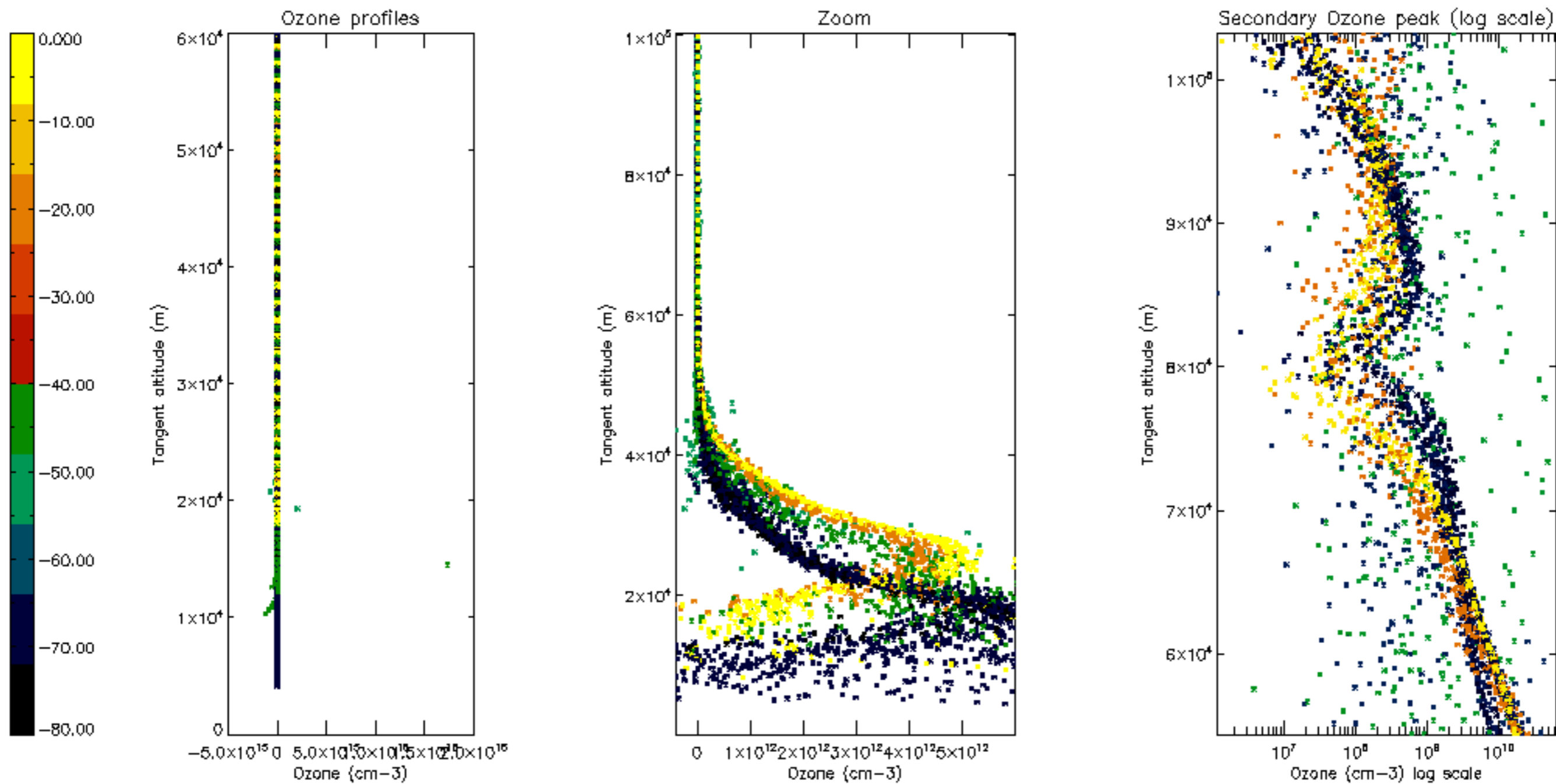


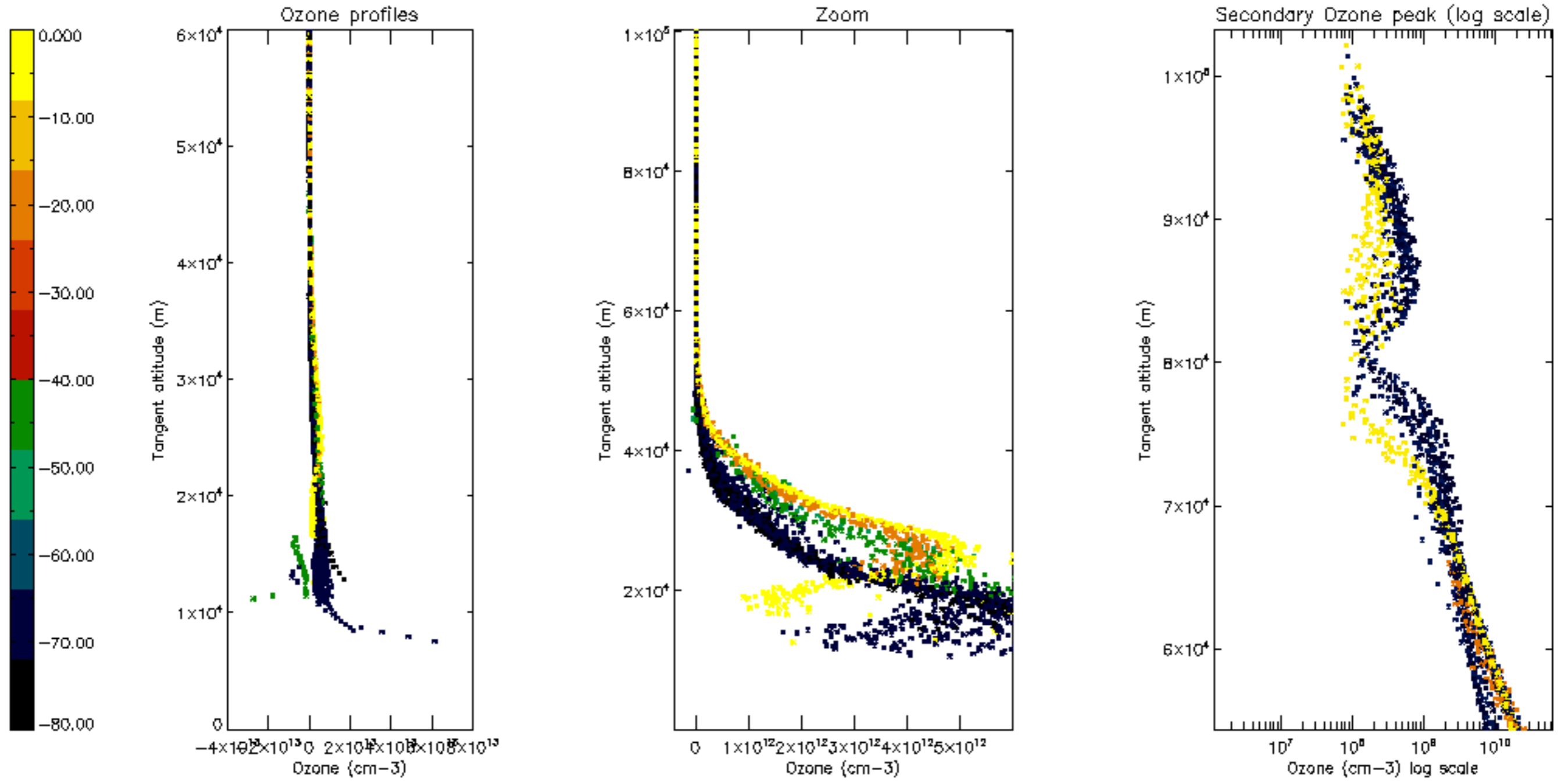
Percentage of star falling outside central band per profile

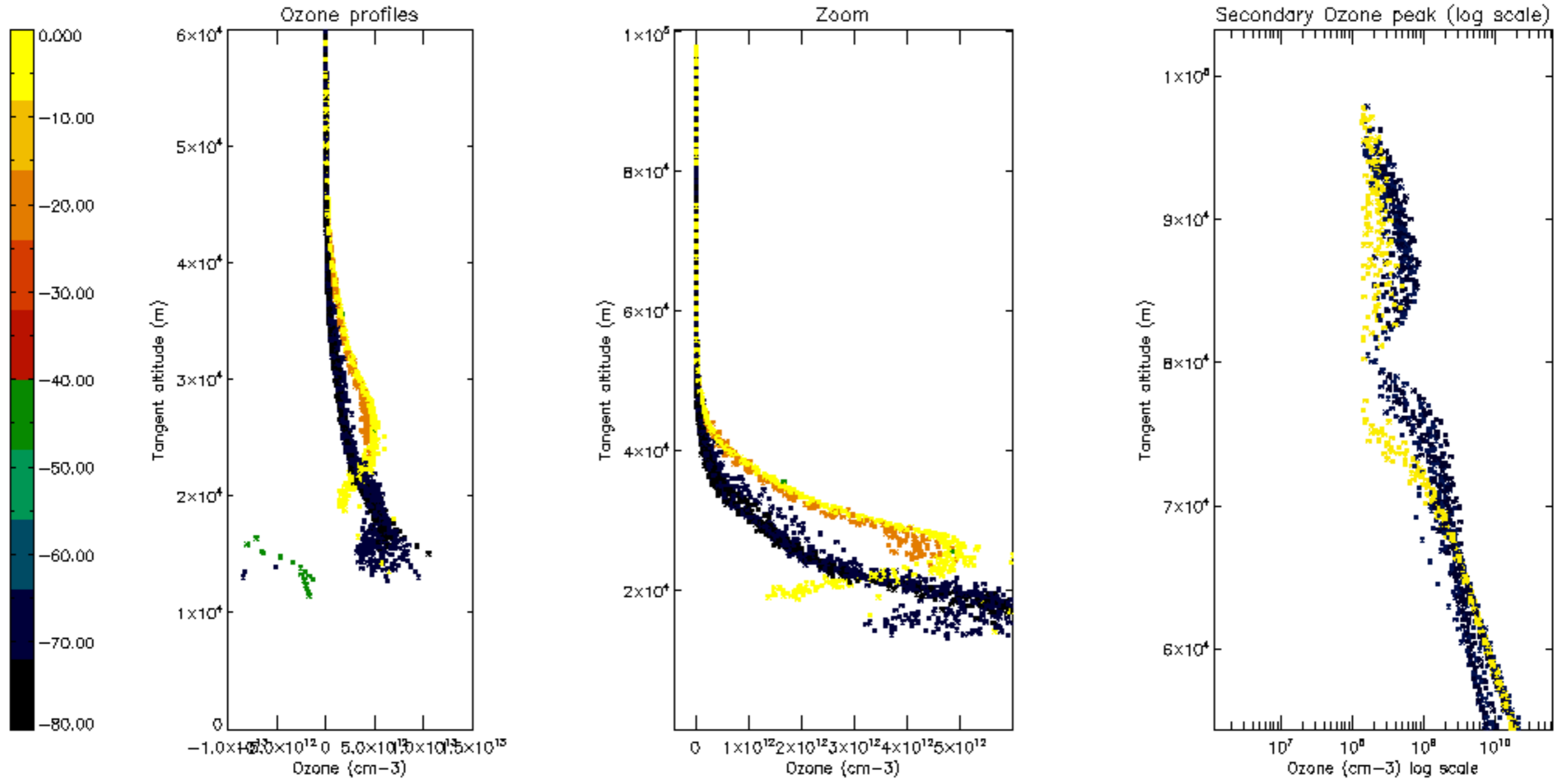


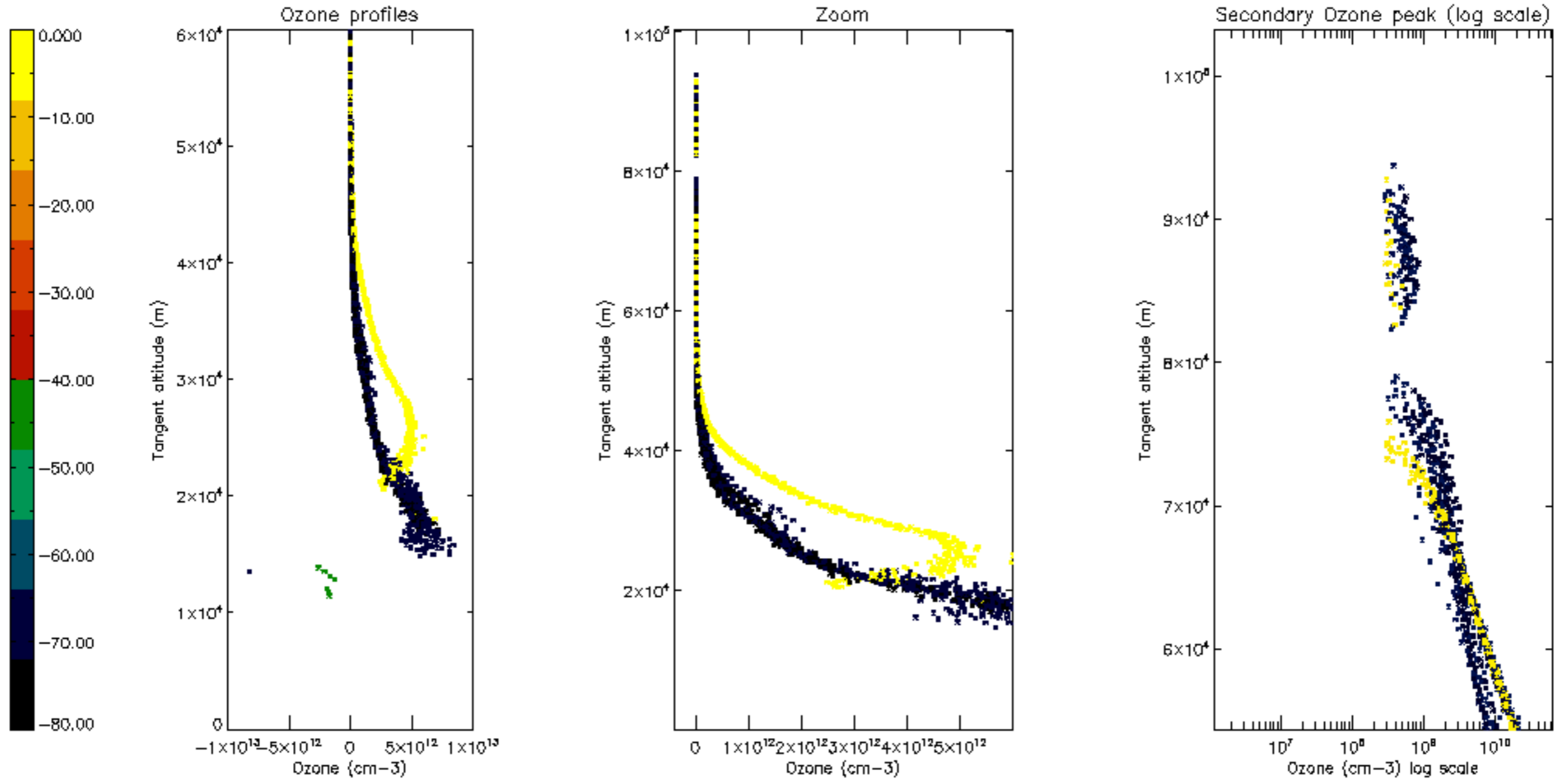
Percentage of saturation errors per profile



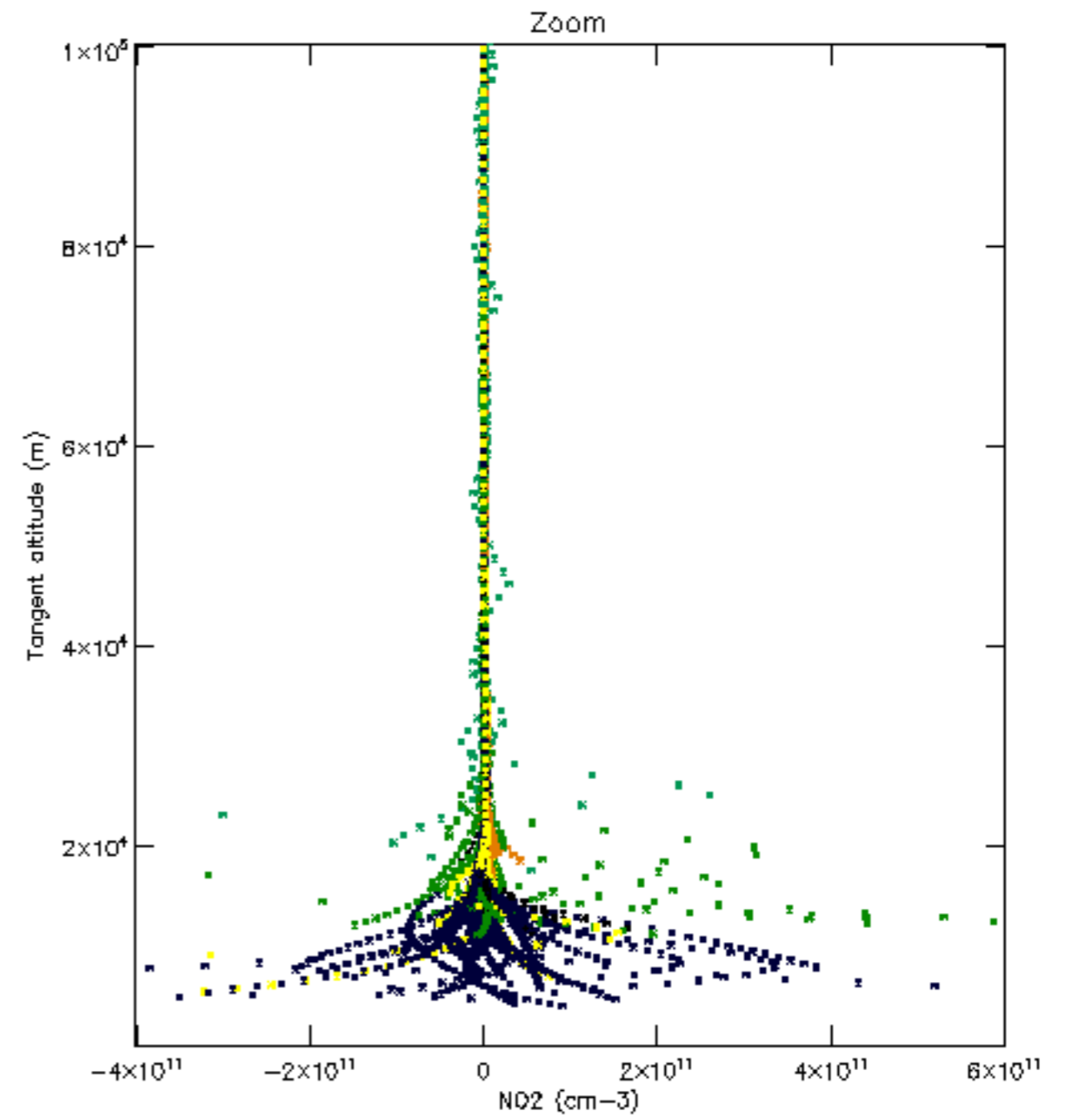
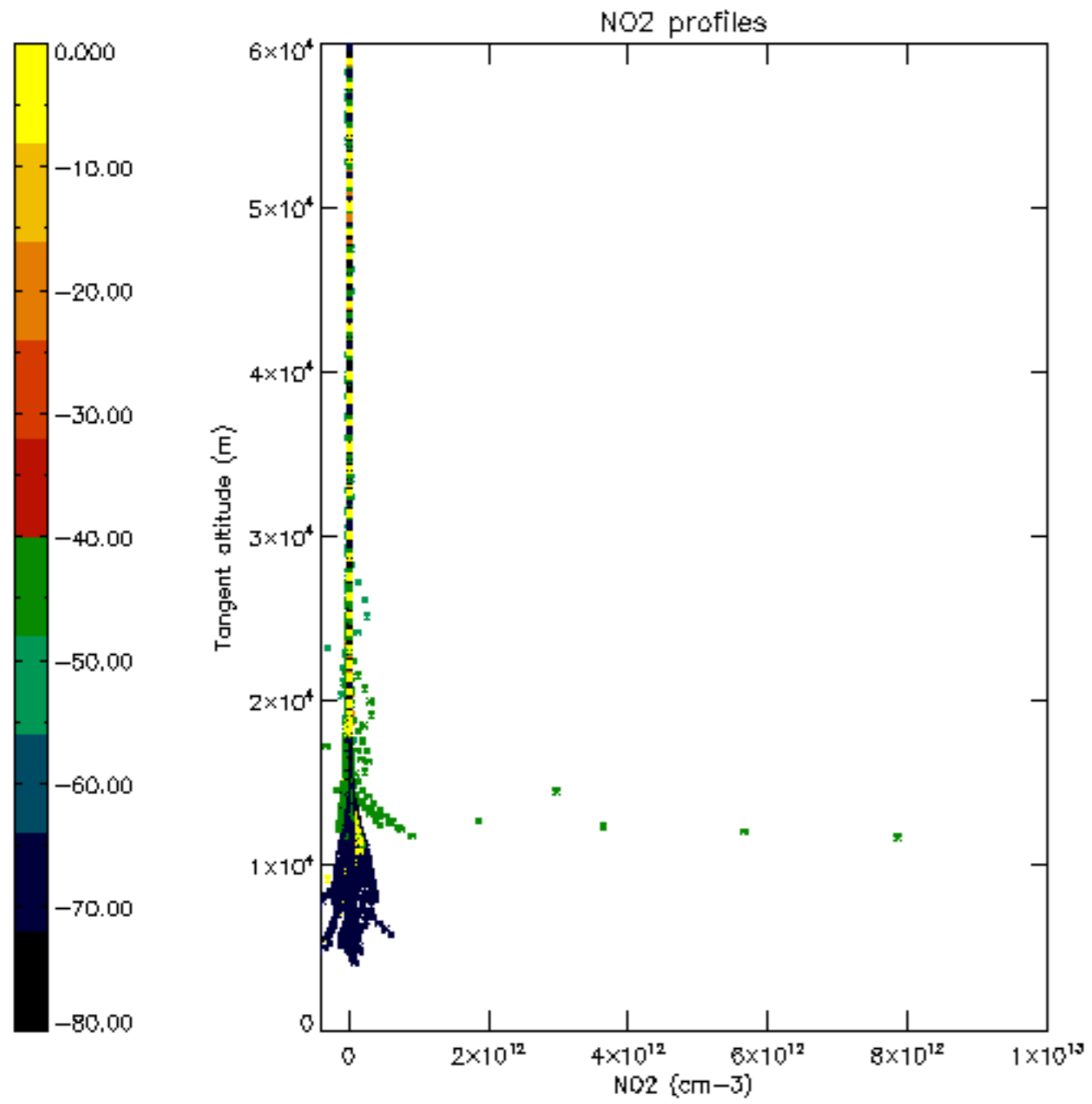


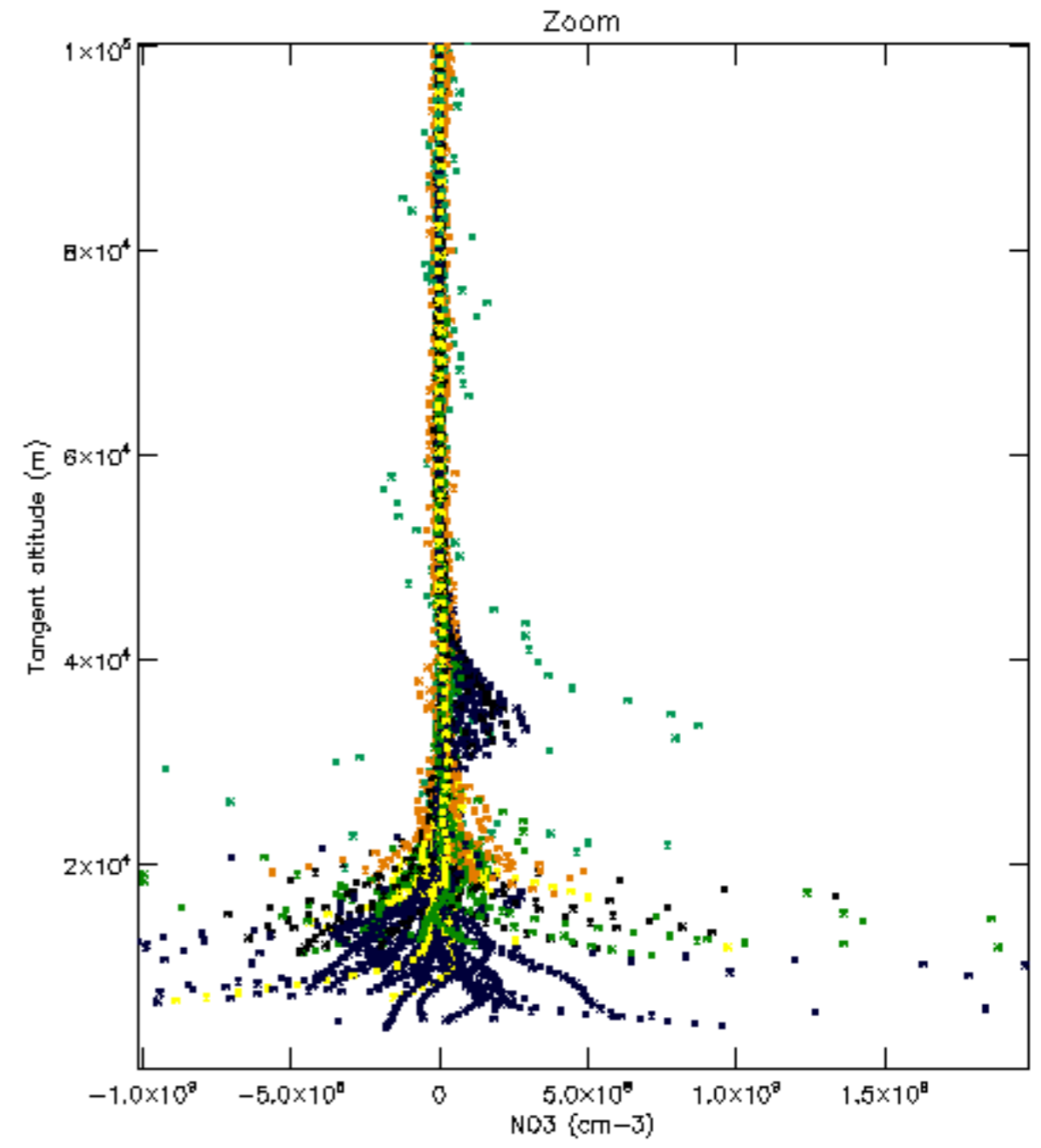
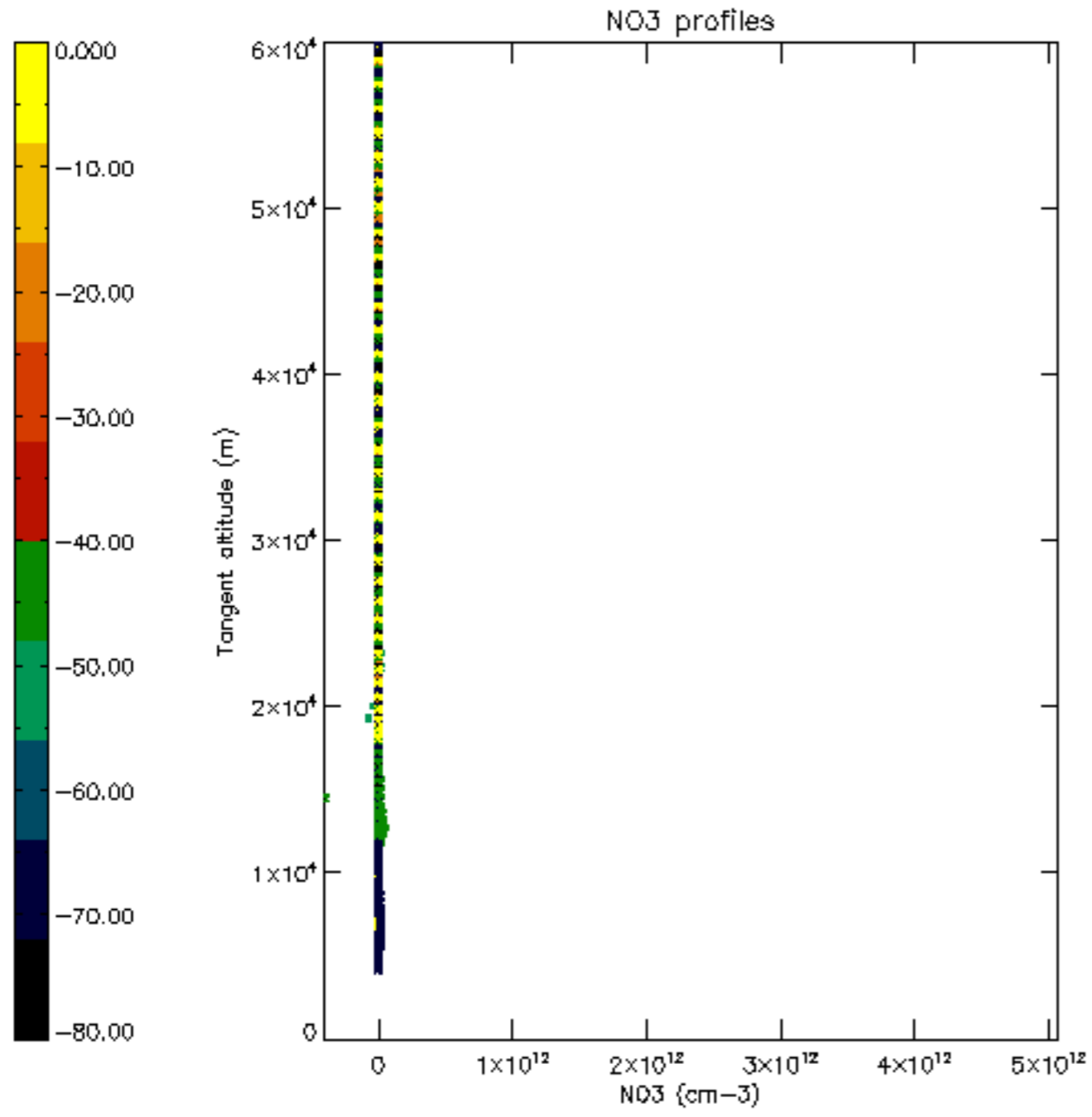


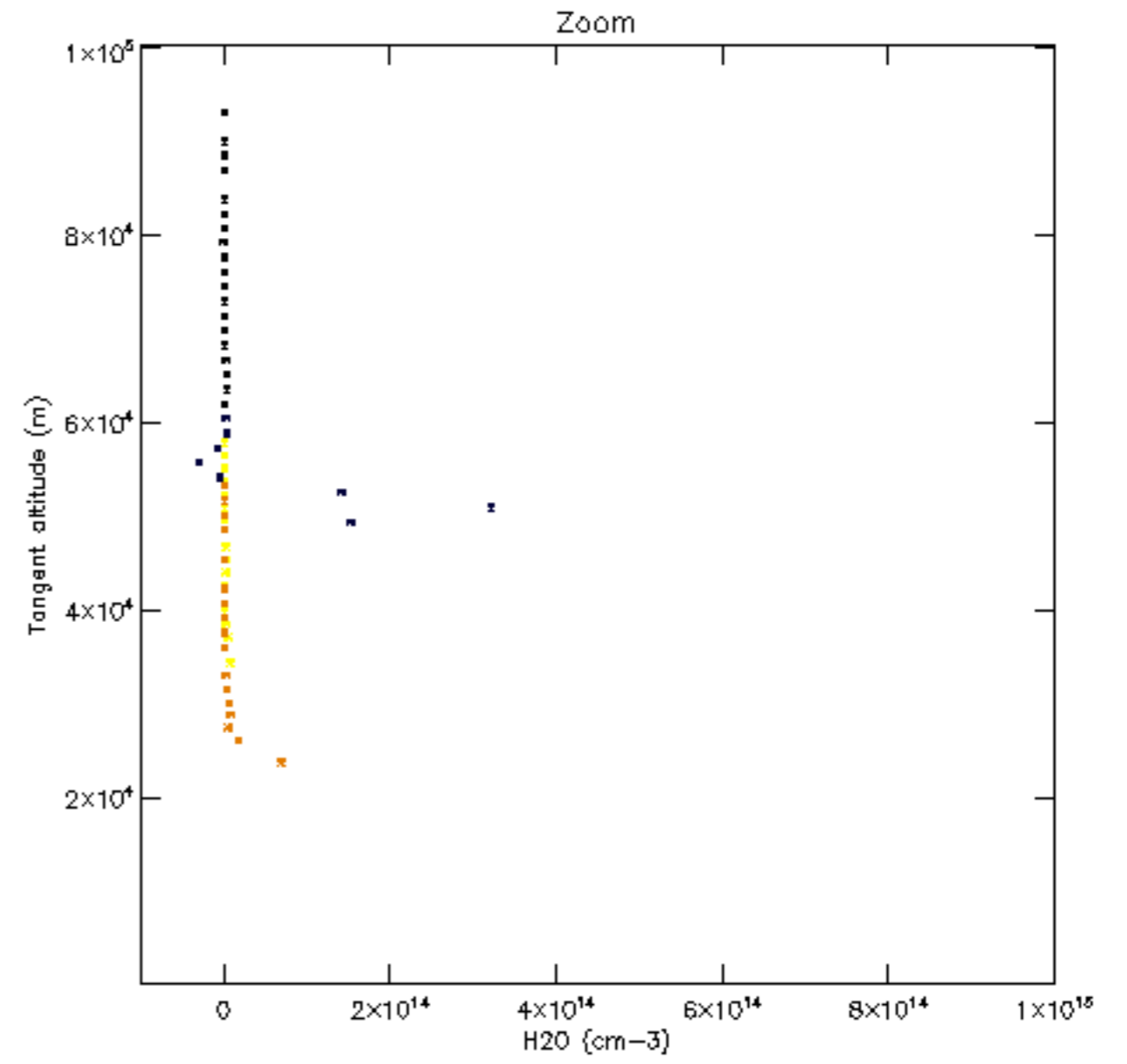
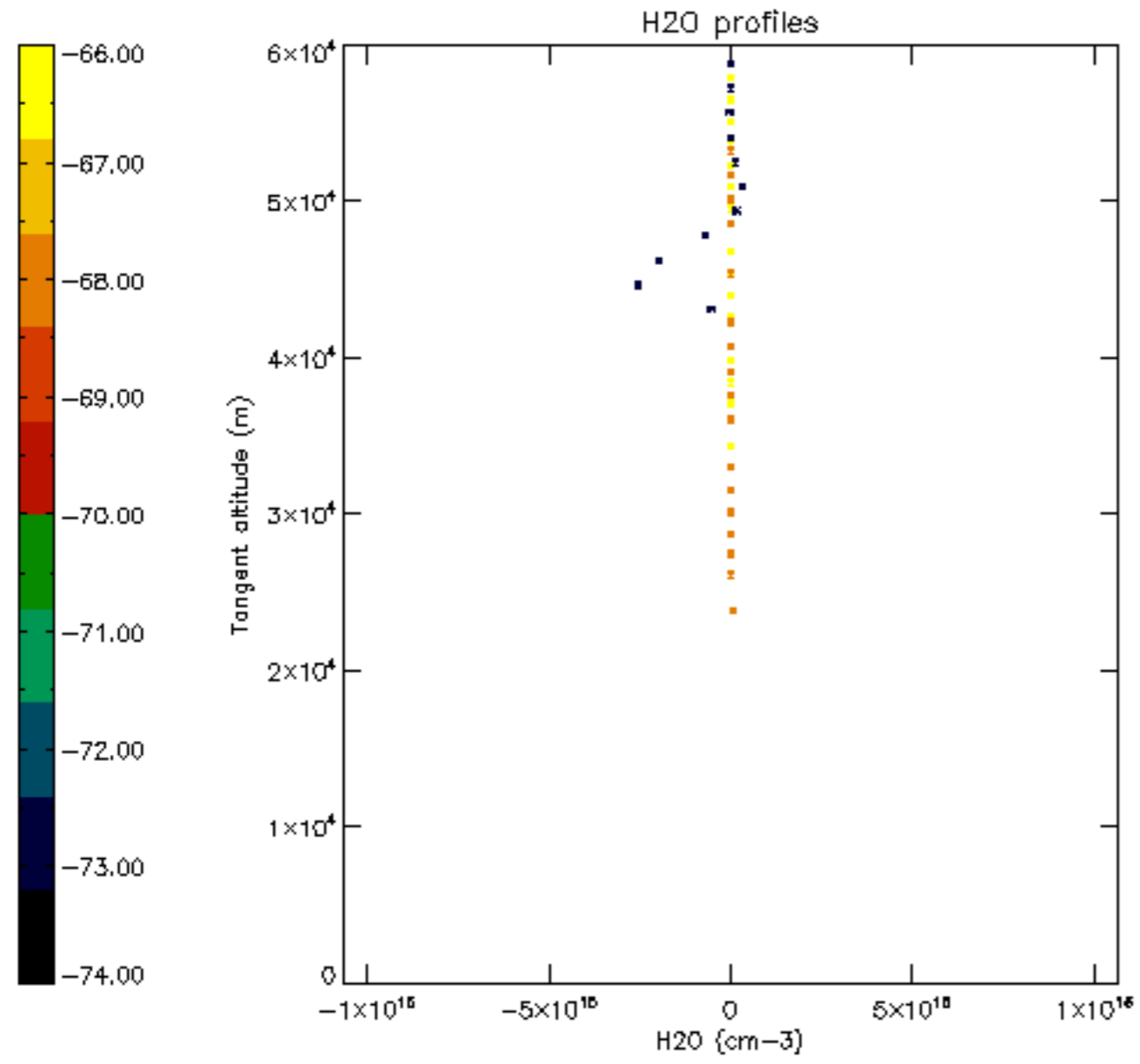


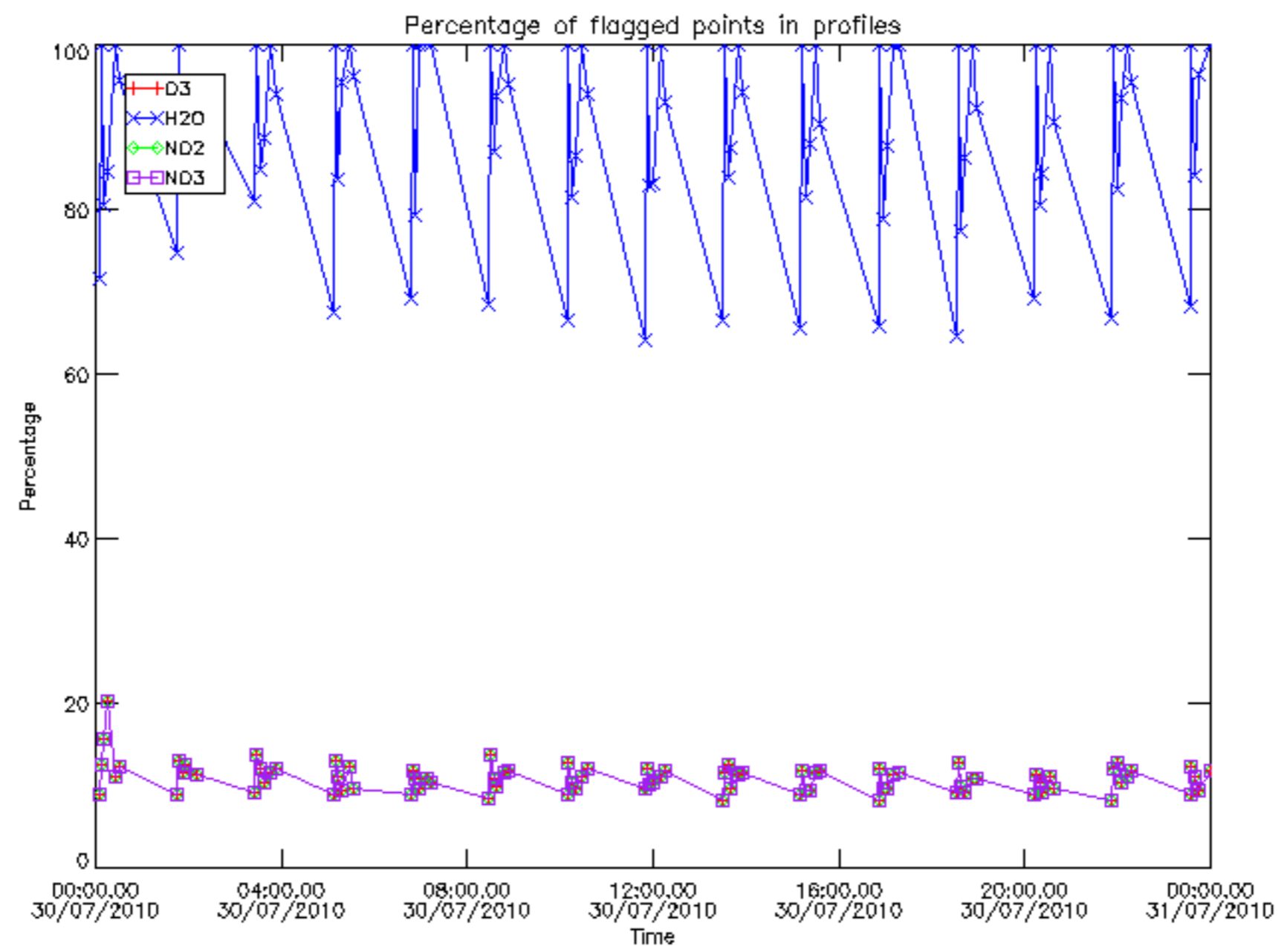




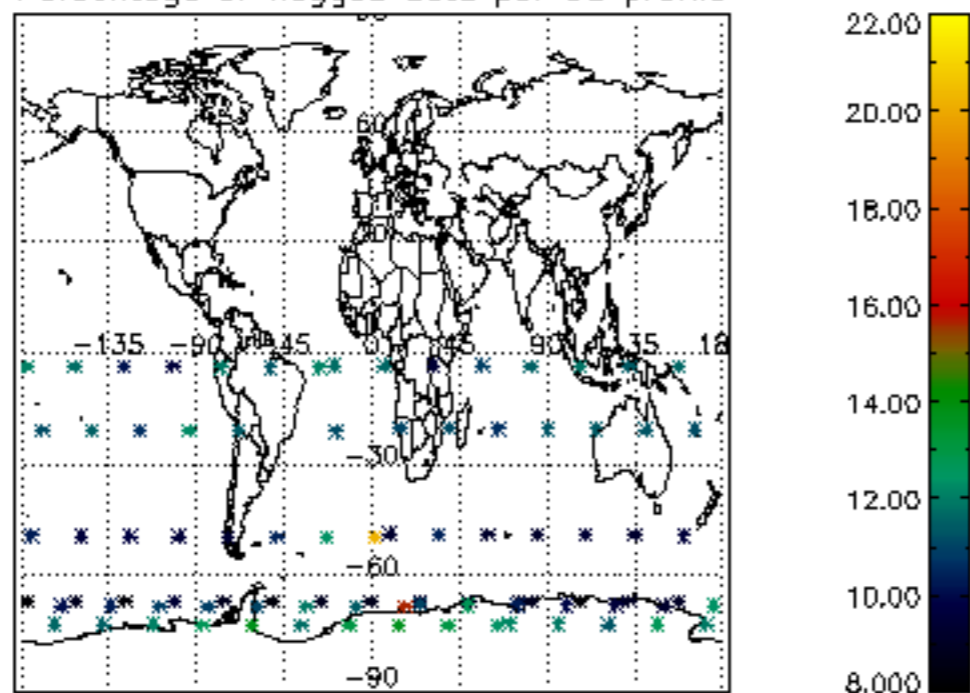




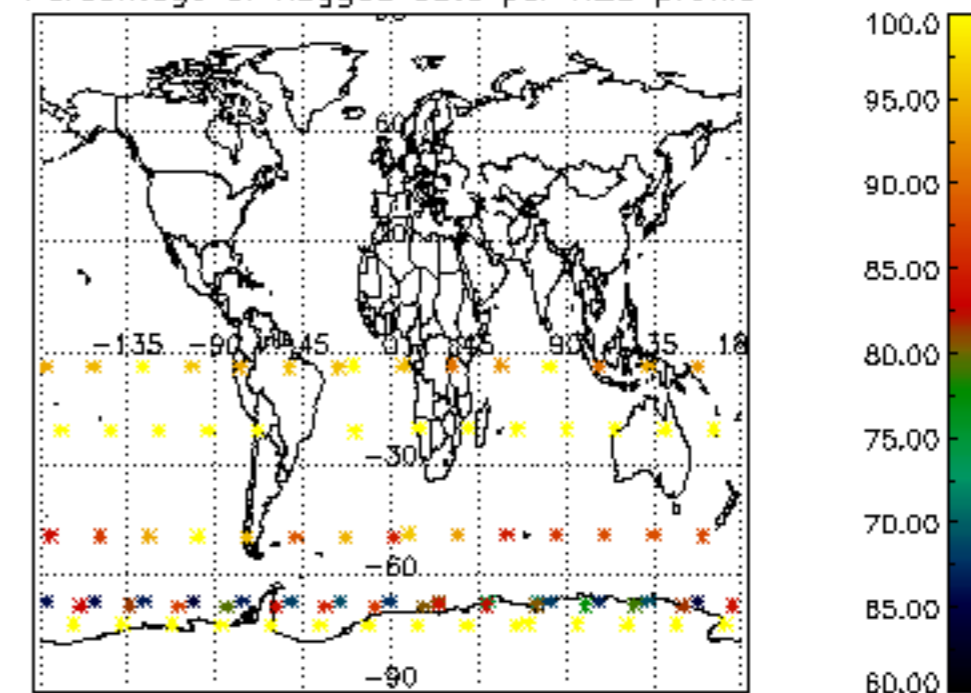




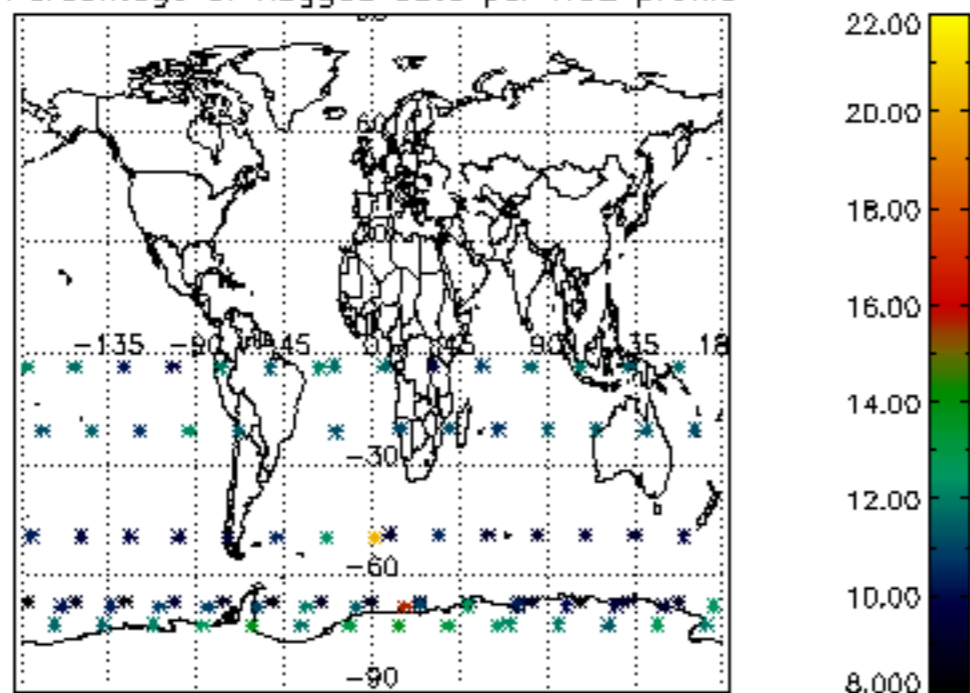
Percentage of flagged data per D3 profile



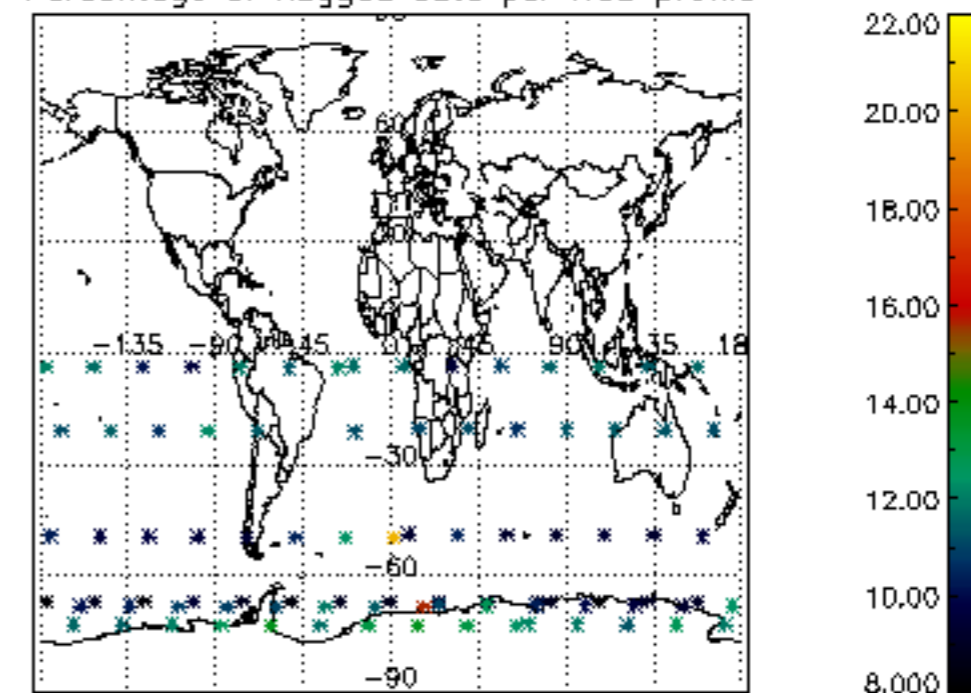
Percentage of flagged data per H2O profile

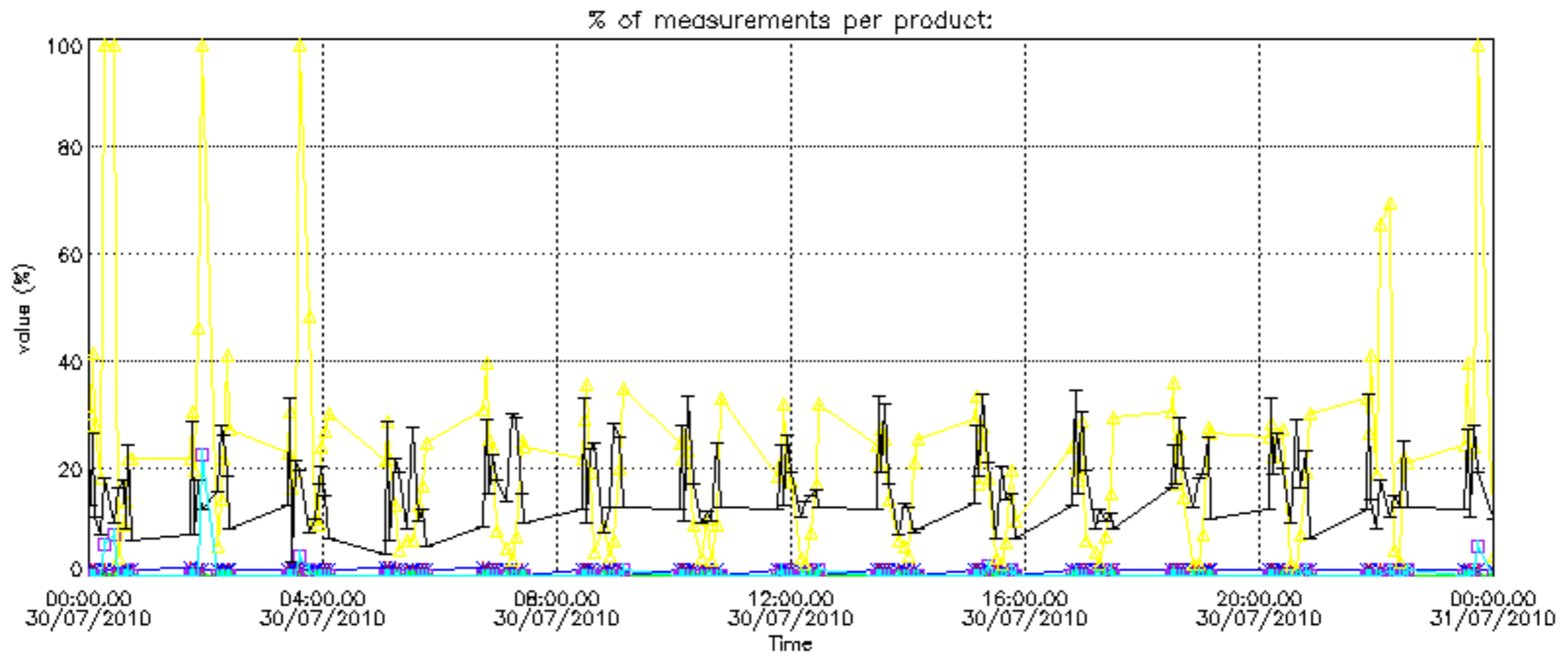


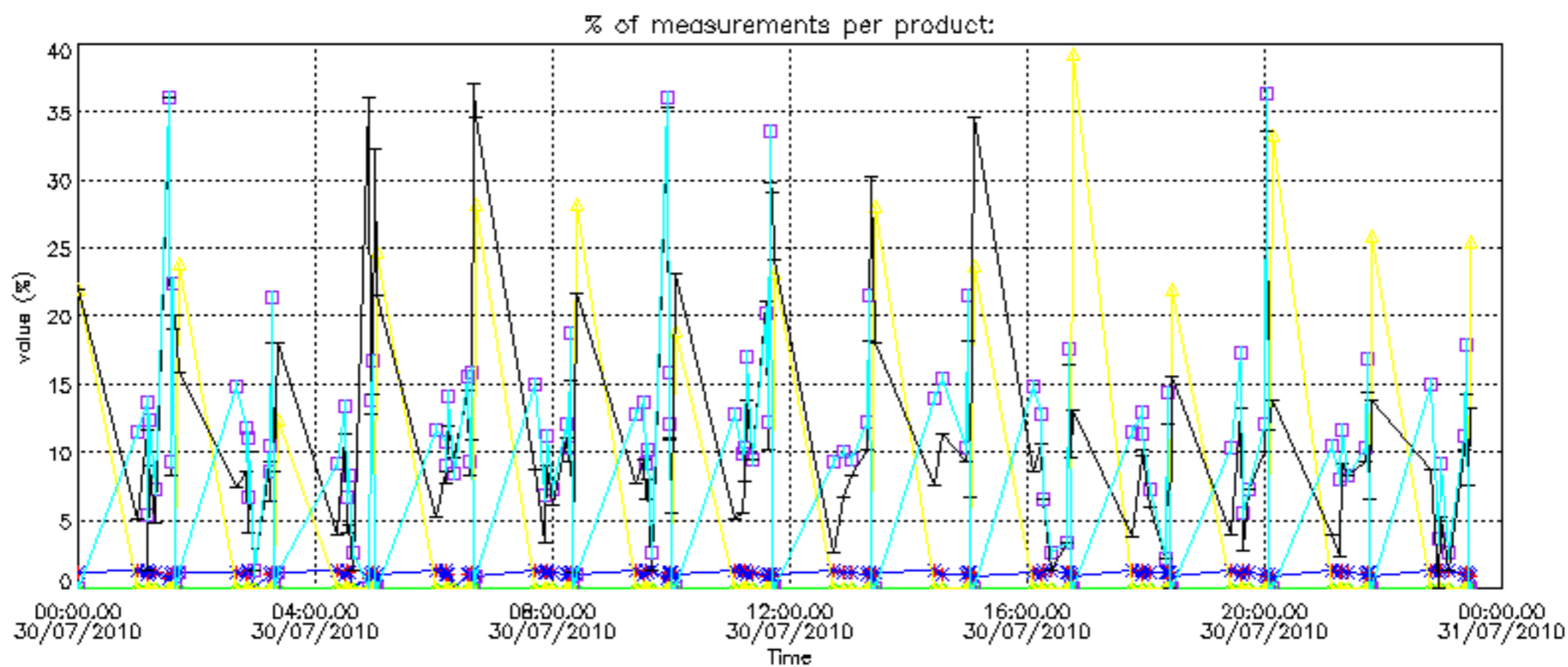
Percentage of flagged data per NO2 profile



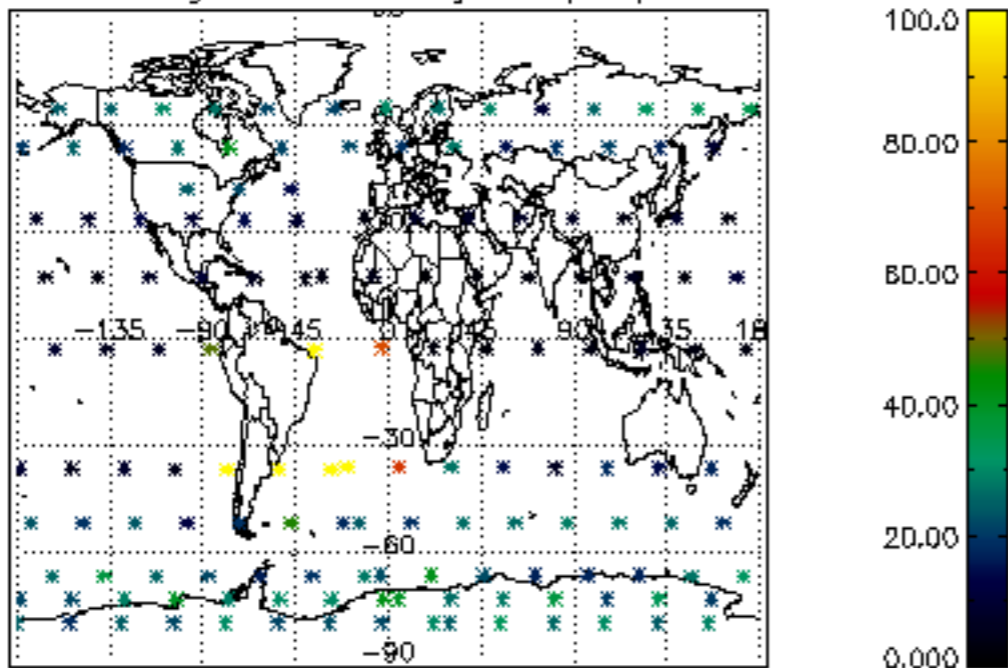
Percentage of flagged data per NO3 profile



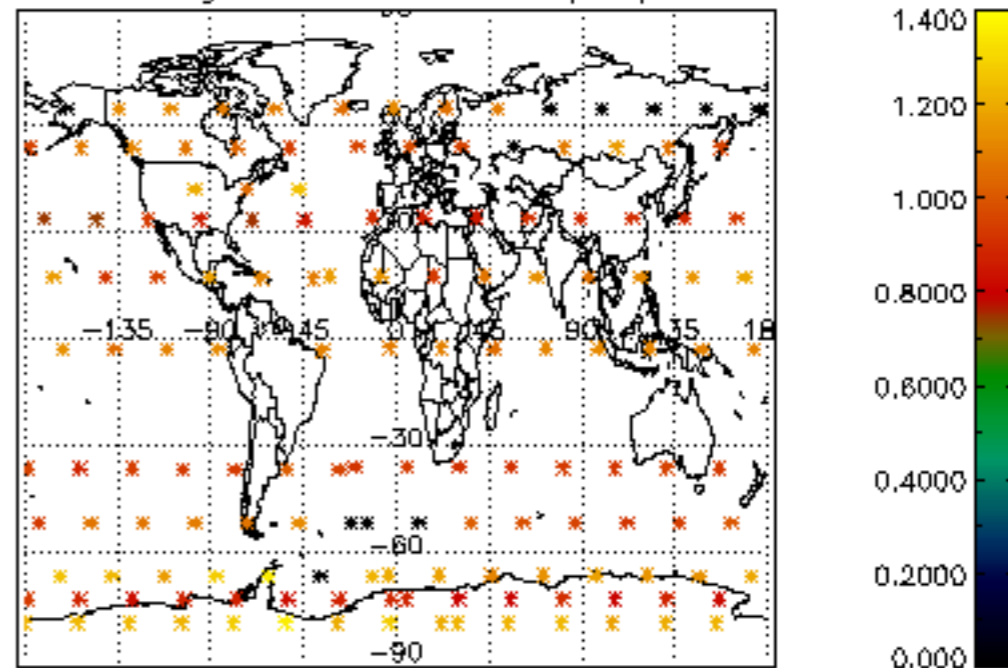




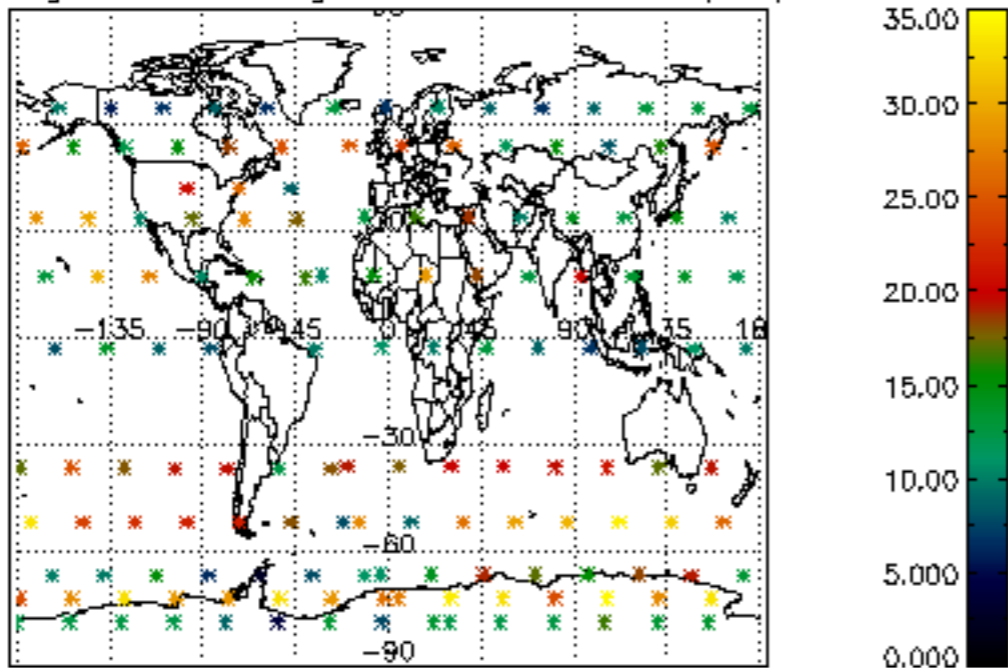
Percentage of cosmic ray hits per profile



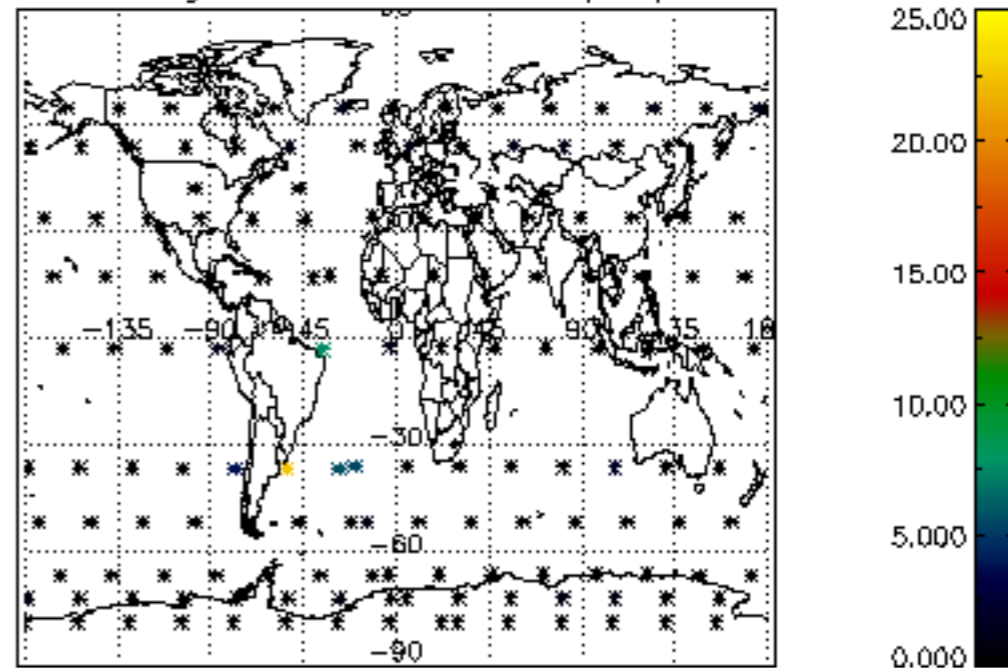
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

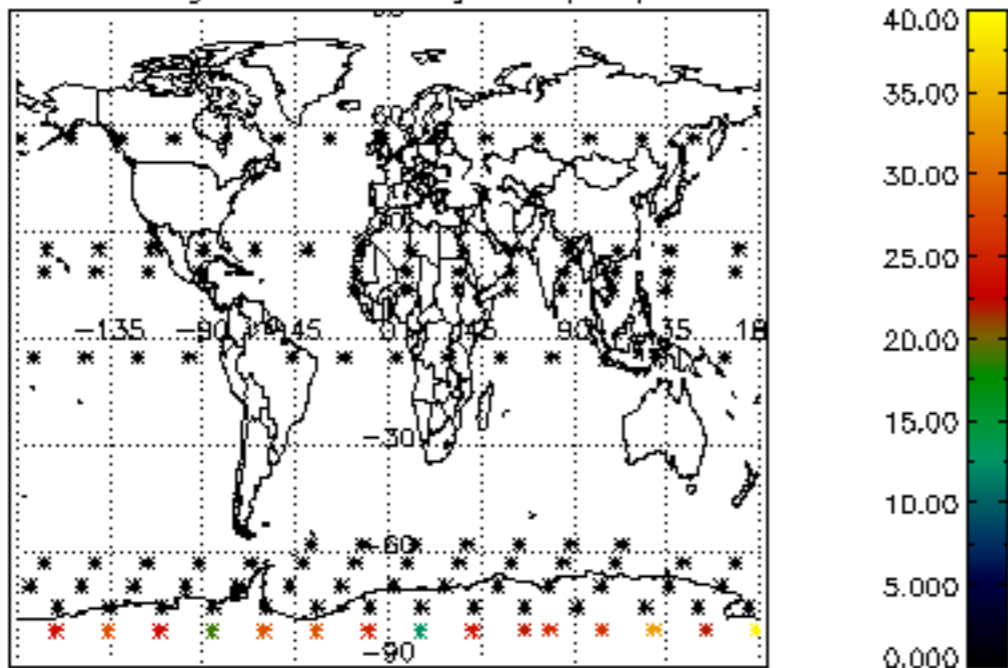


Percentage of saturation errors per profile

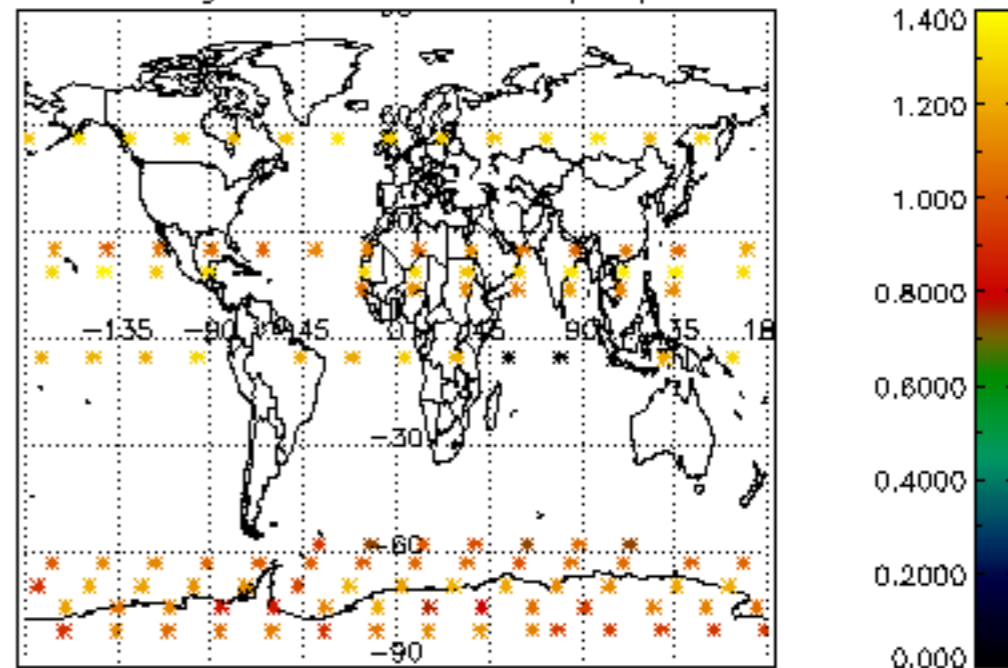




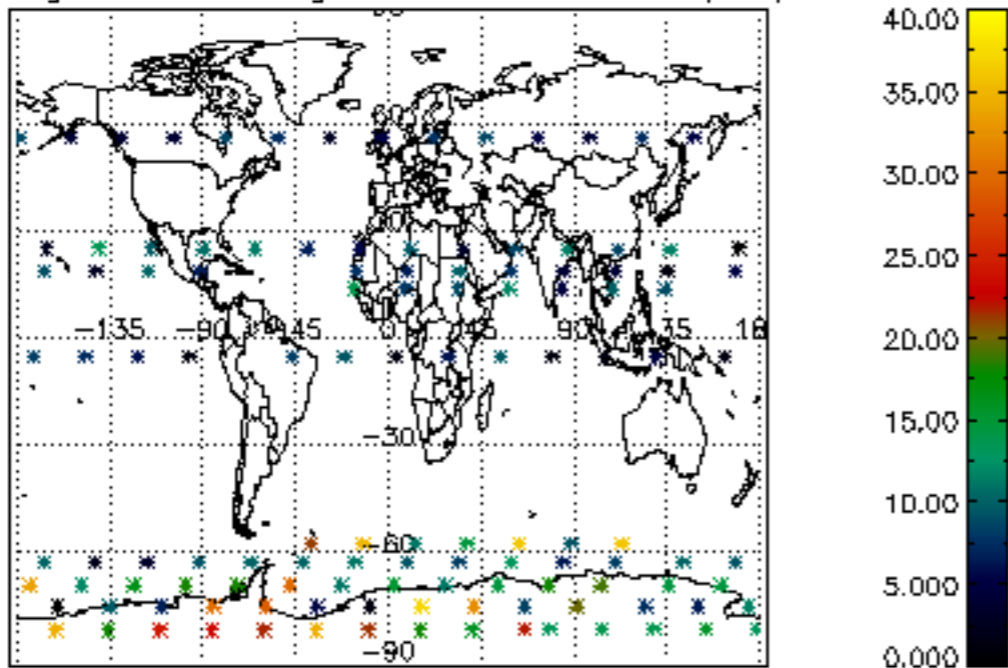
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

