

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	25APR2013 17:19:48
Data source version	GOMOS/6.01
Start time of products	12-07-2008 (12JUL2008 00:00:00)
Stop time of products	13-07-2008 (13JUL2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	104
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__2PRFIN20080712_140821_000000942070_00168_33288_6659.N1	12-JUL-2008 14:08:21	Straylight	93.500	148	Alp Tuc	2.8780	4100.0	187	33288	No
2	GOM_NL__2PRFIN20080712_141221_000000942070_00168_33288_6660.N1	12-JUL-2008 14:12:21	Straylight	94.000	45	Alp Pav	1.9400	26000.	188	33288	No
3	GOM_NL__2PRFIN20080712_141842_000000932070_00168_33288_6661.N1	12-JUL-2008 14:18:42	Twilight	93.000	40	The Sco	1.8590	7100.0	186	33288	No
4	GOM_NL__2PRFIN20080712_142118_000000922070_00168_33288_6662.N1	12-JUL-2008 14:21:18	Bright	91.500	103	38Zet Sgr	2.6000	9700.0	183	33288	No
5	GOM_NL__2PRFIN20080712_143409_000000852070_00168_33288_6663.N1	12-JUL-2008 14:34:09	Bright	84.500	59	55Alp Oph	2.0800	8900.0	169	33288	No
6	GOM_NL__2PRFIN20080712_144811_000000872070_00168_33288_6664.N1	12-JUL-2008 14:48:11	Bright	86.500	119	14Eta Dra	2.7270	4700.0	173	33288	No
7	GOM_NL__2PRFIN20080712_145223_000000872070_00168_33288_6665.N1	12-JUL-2008 14:52:23	Bright	86.500	60	7Bet UMi	2.0810	3950.0	173	33288	No
8	GOM_NL__2PRFIN20080712_145604_000000852070_00168_33288_6666.N1	12-JUL-2008 14:56:04	Bright	84.500	49	1Alp UMi	1.9900	6300.0	169	33288	No
9	GOM_NL__2PRFIN20080712_151708_000000992070_00168_33288_6667.N1	12-JUL-2008 15:17:08	Twilight	98.500	13	87Alp Tau	0.86700	3800.0	197	33288	No
10	GOM_NL__2PRFIN20080712_152332_000000922070_00168_33288_6668.N1	12-JUL-2008 15:23:32	Dark	92.000	7	19Bet Ori	0.10000	14000.	184	33288	No
11	GOM_NL__2PRFIN20080712_153512_000000952070_00168_33288_6669.N1	12-JUL-2008 15:35:12	Dark	95.000	157	The1Eri	2.9060	9300.0	190	33288	No
12	GOM_NL__2PRFIN20080712_154857_000000952070_00169_33289_6672.N1	12-JUL-2008 15:48:57	Straylight	95.000	148	Alp Tuc	2.8780	4100.0	190	33289	No
13	GOM_NL__2PRFIN20080712_155257_000000932070_00169_33289_6673.N1	12-JUL-2008 15:52:57	Straylight	92.500	45	Alp Pav	1.9400	26000.	185	33289	No
14	GOM_NL__2PRFIN20080712_160709_000000872070_00169_33289_6674.N1	12-JUL-2008 16:07:09	Bright	87.000	86	35Eta Oph	2.4300	10200.	174	33289	No
15	GOM_NL__2PRFIN20080712_161227_000000862070_00169_33289_6675.N1	12-JUL-2008 16:12:27	Bright	85.500	126	60Bet Oph	2.7700	4250.0	171	33289	No
16	GOM_NL__2PRFIN20080712_161445_000000882070_00169_33289_6676.N1	12-JUL-2008 16:14:45	Bright	87.500	59	55Alp Oph	2.0800	8900.0	175	33289	No
17	GOM_NL__2PRFIN20080712_162848_000000862070_00169_33289_6677.N1	12-JUL-2008 16:28:48	Bright	85.500	119	14Eta Dra	2.7270	4700.0	171	33289	No
18	GOM_NL__2PRFIN20080712_163259_000000852070_00169_33289_6678.N1	12-JUL-2008 16:32:59	Bright	85.000	60	7Bet UMi	2.0810	3950.0	170	33289	No
19	GOM_NL__2PRFIN20080712_163640_000000872070_00169_33289_6679.N1	12-JUL-2008 16:36:40	Bright	87.000	49	1Alp UMi	1.9900	6300.0	174	33289	No
20	GOM_NL__2PRFIN20080712_165744_000000982070_00169_33289_6680.N1	12-JUL-2008 16:57:44	Twilight	97.500	13	87Alp Tau	0.86700	3800.0	195	33289	No
21	GOM_NL__2PRFIN20080712_170408_000000922070_00169_33289_6681.N1	12-JUL-2008 17:04:08	Dark	92.000	7	19Bet Ori	0.10000	14000.	184	33289	No
22	GOM_NL__2PRFIN20080712_171549_000000952070_00169_33289_6682.N1	12-JUL-2008 17:15:49	Dark	94.500	157	The1Eri	2.9060	9300.0	189	33289	No
23	GOM_NL__2PRFIN20080712_172254_000000442070_00170_33290_6697.N1	12-JUL-2008 17:22:54	Dark	44.000	9	Alp Eri	0.45300	24000.	88	33290	No
24	GOM_NL__2PRFIN20080712_172641_000000372070_00170_33290_6698.N1	12-JUL-2008 17:26:41	Dark	36.500	135	Bet Hyi	2.8200	5800.0	73	33290	No
25	GOM_NL__2PRFIN20080712_173027_000000412070_00170_33290_6699.N1	12-JUL-2008 17:30:27	Straylight	41.000	148	Alp Tuc	2.8780	4100.0	82	33290	No
26	GOM_NL__2PRFIN20080712_173426_000000402070_00170_33290_6700.N1	12-JUL-2008 17:34:26	Straylight	39.500	45	Alp Pav	1.9400	26000.	79	33290	No
27	GOM_NL__2PRFIN20080712_173854_000000372070_00170_33290_6701.N1	12-JUL-2008 17:38:54	Twilight	37.000	147	Alp Ara	2.8770	26000.	74	33290	No
28	GOM_NL__2PRFIN20080712_174046_000000442070_00170_33290_6702.N1	12-JUL-2008 17:40:46	Twilight	44.000	40	The Sco	1.8590	7100.0	88	33290	No
29	GOM_NL__2PRFIN20080712_174226_000000422070_00170_33290_6703.N1	12-JUL-2008 17:42:26	Bright	41.500	25	35Lam Sco	1.6200	28000.	83	33290	No
30	GOM_NL__2PRFIN20080712_174356_000000412070_00170_33290_6704.N1	12-JUL-2008 17:43:56	Bright	40.500	116	19Del Sgr	2.7000	4100.0	81	33290	No
31	GOM_NL__2PRFIN20080712_174505_000000402070_00170_33290_6705.N1	12-JUL-2008 17:45:05	Bright	39.500	137	22Lam Sgr	2.8240	4400.0	79	33290	No
32	GOM_NL__2PRFIN20080712_174836_000000362070_00170_33290_6706.N1	12-JUL-2008 17:48:36	Bright	35.500	86	35Eta Oph	2.4300	10200.	71	33290	No
33	GOM_NL__2PRFIN20080712_175354_000000362070_00170_33290_6707.N1	12-JUL-2008 17:53:54	Bright	35.500	126	60Bet Oph	2.7700	4250.0	71	33290	No
34	GOM_NL__2PRFIN20080712_175611_000000372070_00170_33290_6708.N1	12-JUL-2008 17:56:11	Bright	36.500	59	55Alp Oph	2.0800	8900.0	73	33290	No
35	GOM_NL__2PRFIN20080712_180159_000000352070_00170_33290_6709.N1	12-JUL-2008 18:01:59	Bright	35.000	133	40Zet Her	2.8070	6000.0	70	33290	No
36	GOM_NL__2PRFIN20080712_180710_000000382070_00170_33290_6710.N1	12-JUL-2008 18:07:10	Bright	37.500	69	33Gam Dra	2.2310	3800.0	75	33290	No
37	GOM_NL__2PRFIN20080712_181013_000000362070_00170_33290_6711.N1	12-JUL-2008 18:10:13	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	33290	No
38	GOM_NL__2PRFIN20080712_181425_000000362070_00170_33290_6712.N1	12-JUL-2008 18:14:25	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	33290	No
39	GOM_NL__2PRFIN20080712_181808_000000372070_00170_33290_6713.N1	12-JUL-2008 18:18:08	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	33290	No
40	GOM_NL__2PRFIN20080712_183912_000000512070_00170_33290_6714.N1	12-JUL-2008 18:39:12	Twilight	50.500	13	87Alp Tau	0.86700	3800.0	101	33290	No
41	GOM_NL__2PRFIN20080712_184534_000000392070_00170_33290_6715.N1	12-JUL-2008 18:45:34	Dark	38.500	7	19Bet Ori	0.10000	14000.	77	33290	No
42	GOM_NL__2PRFIN20080712_185720_000000392070_00170_33290_6716.N1	12-JUL-2008 18:57:20	Dark	39.000	157	The1Eri	2.9060	9300.0	78	33290	No

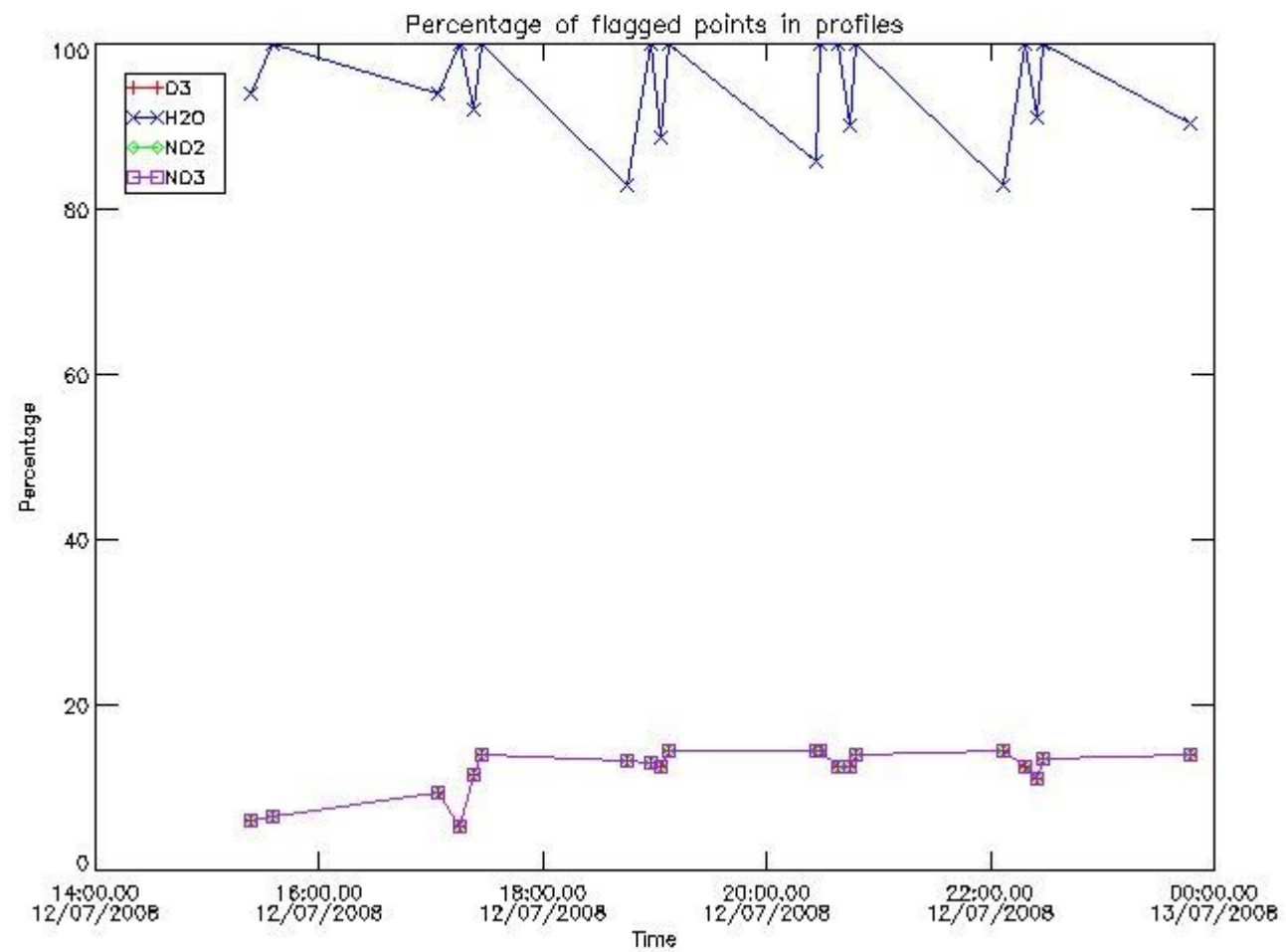
43	GOM_NL__2PRFIN20080712_190330_000000452070_00171_33291_6712.N1	12-JUL-2008 19:03:30	Dark	44.500	9	Alp Eri	0.45300	24000.	89	33291	No
44	GOM_NL__2PRFIN20080712_190717_000000392070_00171_33291_6713.N1	12-JUL-2008 19:07:17	Dark	39.000	135	Bet Hyi	2.8200	5800.0	78	33291	No
45	GOM_NL__2PRFIN20080712_191103_000000432070_00171_33291_6714.N1	12-JUL-2008 19:11:03	Straylight	42.500	148	Alp Tuc	2.8780	4100.0	85	33291	No
46	GOM_NL__2PRFIN20080712_191502_000000382070_00171_33291_6715.N1	12-JUL-2008 19:15:02	Straylight	38.000	45	Alp Pav	1.9400	26000.	76	33291	No
47	GOM_NL__2PRFIN20080712_191930_000000372070_00171_33291_6716.N1	12-JUL-2008 19:19:30	Twi_and_stray	37.000	147	Alp Ara	2.8770	26000.	74	33291	No
48	GOM_NL__2PRFIN20080712_192122_000000422070_00171_33291_6717.N1	12-JUL-2008 19:21:22	Twi_and_stray	42.000	40	The Sco	1.8590	7100.0	84	33291	No
49	GOM_NL__2PRFIN20080712_192302_000000382070_00171_33291_6718.N1	12-JUL-2008 19:23:02	Bright	37.500	25	35Lam Sco	1.6200	28000.	75	33291	No
50	GOM_NL__2PRFIN20080712_192432_000000402070_00171_33291_6719.N1	12-JUL-2008 19:24:32	Bright	39.500	116	19Del Sgr	2.7000	4100.0	79	33291	No
51	GOM_NL__2PRFIN20080712_192541_000000392070_00171_33291_6720.N1	12-JUL-2008 19:25:41	Bright	39.000	137	22Lam Sgr	2.8240	4400.0	78	33291	No
52	GOM_NL__2PRFIN20080712_192912_000000372070_00171_33291_6721.N1	12-JUL-2008 19:29:12	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	33291	No
53	GOM_NL__2PRFIN20080712_193430_000000352070_00171_33291_6722.N1	12-JUL-2008 19:34:30	Bright	35.000	126	60Bet Oph	2.7700	4250.0	70	33291	No
54	GOM_NL__2PRFIN20080712_193647_000000352070_00171_33291_6723.N1	12-JUL-2008 19:36:47	Bright	34.500	59	55Alp Oph	2.0800	8900.0	69	33291	No
55	GOM_NL__2PRFIN20080712_194003_000000372070_00171_33291_6724.N1	12-JUL-2008 19:40:03	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	33291	No
56	GOM_NL__2PRFIN20080712_194235_000000352070_00171_33291_6725.N1	12-JUL-2008 19:42:35	Bright	35.000	133	40Zet Her	2.8070	6000.0	70	33291	No
57	GOM_NL__2PRFIN20080712_194746_000000362070_00171_33291_6726.N1	12-JUL-2008 19:47:46	Bright	36.000	69	33Gam Dra	2.2310	3800.0	72	33291	No
58	GOM_NL__2PRFIN20080712_195049_000000362070_00171_33291_6727.N1	12-JUL-2008 19:50:49	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	33291	No
59	GOM_NL__2PRFIN20080712_195501_000000362070_00171_33291_6728.N1	12-JUL-2008 19:55:01	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	33291	No
60	GOM_NL__2PRFIN20080712_195844_000000362070_00171_33291_6729.N1	12-JUL-2008 19:58:44	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	33291	No
61	GOM_NL__2PRFIN20080712_201949_000000532070_00171_33291_6730.N1	12-JUL-2008 20:19:49	Twilight	53.000	13	87Alp Tau	0.86700	3800.0	106	33291	No
62	GOM_NL__2PRFIN20080712_202610_000000362070_00171_33291_6731.N1	12-JUL-2008 20:26:10	Dark	35.500	7	19Bet Ori	0.10000	14000.	71	33291	No
63	GOM_NL__2PRFIN20080712_202840_000000362070_00171_33291_6732.N1	12-JUL-2008 20:28:40	Dark	35.500	101	11Alp Lep	2.5820	7000.0	71	33291	No
64	GOM_NL__2PRFIN20080712_203756_000000412070_00171_33291_6733.N1	12-JUL-2008 20:37:56	Dark	40.500	157	The1Eri	2.9060	9300.0	81	33291	No
65	GOM_NL__2PRFIN20080712_204407_000000412070_00172_33292_6727.N1	12-JUL-2008 20:44:07	Dark	41.000	9	Alp Eri	0.45300	24000.	82	33292	No
66	GOM_NL__2PRFIN20080712_204753_000000372070_00172_33292_6728.N1	12-JUL-2008 20:47:53	Dark	36.500	135	Bet Hyi	2.8200	5800.0	73	33292	No
67	GOM_NL__2PRFIN20080712_205140_000000432070_00172_33292_6729.N1	12-JUL-2008 20:51:40	Straylight	42.500	148	Alp Tuc	2.8780	4100.0	85	33292	No
68	GOM_NL__2PRFIN20080712_205538_000000392070_00172_33292_6730.N1	12-JUL-2008 20:55:38	Straylight	39.000	45	Alp Pav	1.9400	26000.	78	33292	No
69	GOM_NL__2PRFIN20080712_205834_000000392070_00172_33292_6731.N1	12-JUL-2008 20:58:34	Straylight	38.500	141	Bet Ara	2.8400	4600.0	77	33292	No
70	GOM_NL__2PRFIN20080712_210158_000000422070_00172_33292_6732.N1	12-JUL-2008 21:01:58	Twi_and_stray	42.000	40	The Sco	1.8590	7100.0	84	33292	No
71	GOM_NL__2PRFIN20080712_210338_000000432070_00172_33292_6733.N1	12-JUL-2008 21:03:38	Bright	43.000	25	35Lam Sco	1.6200	28000.	86	33292	No
72	GOM_NL__2PRFIN20080712_210508_000000412070_00172_33292_6734.N1	12-JUL-2008 21:05:08	Bright	40.500	116	19Del Sgr	2.7000	4100.0	81	33292	No
73	GOM_NL__2PRFIN20080712_210617_000000392070_00172_33292_6735.N1	12-JUL-2008 21:06:17	Bright	38.500	137	22Lam Sgr	2.8240	4400.0	77	33292	No
74	GOM_NL__2PRFIN20080712_210948_000000372070_00172_33292_6736.N1	12-JUL-2008 21:09:48	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	33292	No
75	GOM_NL__2PRFIN20080712_211506_000000362070_00172_33292_6737.N1	12-JUL-2008 21:15:06	Bright	35.500	126	60Bet Oph	2.7700	4250.0	71	33292	No
76	GOM_NL__2PRFIN20080712_211723_000000372070_00172_33292_6738.N1	12-JUL-2008 21:17:23	Bright	37.000	59	55Alp Oph	2.0800	8900.0	74	33292	No
77	GOM_NL__2PRFIN20080712_212311_000000352070_00172_33292_6739.N1	12-JUL-2008 21:23:11	Bright	35.000	133	40Zet Her	2.8070	6000.0	70	33292	No
78	GOM_NL__2PRFIN20080712_212821_000000402070_00172_33292_6740.N1	12-JUL-2008 21:28:21	Bright	39.500	69	33Gam Dra	2.2310	3800.0	79	33292	No
79	GOM_NL__2PRFIN20080712_213125_000000372070_00172_33292_6741.N1	12-JUL-2008 21:31:25	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	33292	No
80	GOM_NL__2PRFIN20080712_213537_000000372070_00172_33292_6742.N1	12-JUL-2008 21:35:37	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	33292	No
81	GOM_NL__2PRFIN20080712_213920_000000362070_00172_33292_6743.N1	12-JUL-2008 21:39:20	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	33292	No
82	GOM_NL__2PRFIN20080712_220025_000000482070_00172_33292_6744.N1	12-JUL-2008 22:00:25	Twilight	47.500	13	87Alp Tau	0.86700	3800.0	95	33292	No
83	GOM_NL__2PRFIN20080712_220646_000000352070_00172_33292_6745.N1	12-JUL-2008 22:06:46	Dark	35.000	7	19Bet Ori	0.10000	14000.	70	33292	No
84	GOM_NL__2PRFIN20080712_221833_000000412070_00172_33292_6746.N1	12-JUL-2008 22:18:33	Dark	40.500	157	The1Eri	2.9060	9300.0	81	33292	No
85	GOM_NL__2PRFIN20080712_222443_000000462070_00173_33293_6742.N1	12-JUL-2008 22:24:43	Dark	45.500	9	Alp Eri	0.45300	24000.	91	33293	No
86	GOM_NL__2PRFIN20080712_222829_000000382070_00173_33293_6743.N1	12-JUL-2008 22:28:29	Dark	37.500	135	Bet Hyi	2.8200	5800.0	75	33293	No
87	GOM_NL__2PRFIN20080712_223216_000000392070_00173_33293_6744.N1	12-JUL-2008 22:32:16	Straylight	39.000	148	Alp Tuc	2.8780	4100.0	78	33293	No
88	GOM_NL__2PRFIN20080712_223615_000000402070_00173_33293_6745.N1	12-JUL-2008 22:36:15	Straylight	40.000	45	Alp Pav	1.9400	26000.	80	33293	No
89	GOM_NL__2PRFIN20080712_224042_000000402070_00173_33293_6746.N1	12-JUL-2008 22:40:42	Twi_and_stray	39.500	147	Alp Ara	2.8770	26000.	79	33293	No
90	GOM_NL__2PRFIN20080712_224234_000000402070_00173_33293_6747.N1	12-JUL-2008 22:42:34	Twi_and_stray	40.000	40	The Sco	1.8590	7100.0	80	33293	No
91	GOM_NL__2PRFIN20080712_224414_000000402070_00173_33293_6748.N1	12-JUL-2008 22:44:14	Bright	39.500	25	35Lam Sco	1.6200	28000.	79	33293	No
92	GOM_NL__2PRFIN20080712_224544_000000412070_00173_33293_6749.N1	12-JUL-2008 22:45:44	Bright	40.500	116	19Del Sgr	2.7000	4100.0	81	33293	No
93	GOM_NL__2PRFIN20080712_224654_000000402070_00173_33293_6750.N1	12-JUL-2008 22:46:54	Bright	39.500	137	22Lam Sgr	2.8240	4400.0	79	33293	No
94	GOM_NL__2PRFIN20080712_225024_000000372070_00173_33293_6751.N1	12-JUL-2008 22:50:24	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	33293	No
95	GOM_NL__2PRFIN20080712_225542_000000352070_00173_33293_6752.N1	12-JUL-2008 22:55:42	Bright	35.000	126	60Bet Oph	2.7700	4250.0	70	33293	No
96	GOM_NL__2PRFIN20080712_225759_000000362070_00173_33293_6753.N1	12-JUL-2008 22:57:59	Bright	36.000	59	55Alp Oph	2.0800	8900.0	72	33293	No
97	GOM_NL__2PRFIN20080712_230115_000000372070_00173_33293_6754.N1	12-JUL-2008 23:01:15	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	33293	No
98	GOM_NL__2PRFIN20080712_230347_000000352070_00173_33293_6755.N1	12-JUL-2008 23:03:47	Bright	34.500	133	40Zet Her	2.8070	6000.0	69	33293	No
99	GOM_NL__2PRFIN20080712_230857_000000362070_00173_33293_6756.N1	12-JUL-2008 23:08:57	Bright	35.500	69	33Gam Dra	2.2310	3800.0	71	33293	No
100	GOM_NL__2PRFIN20080712_231201_000000372070_00173_33293_6757.N1	12-JUL-2008 23:12:01	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	33293	No
101	GOM_NL__2PRFIN20080712_231613_000000362070_00173_33293_6758.N1	12-JUL-2008 23:16:13	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	33293	No

102	GOM_NL__2PRFIN20080712_231955_000000372070_00173_33293_6759.N1	12-JUL-2008 23:19:55	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	33293	No
103	GOM_NL__2PRFIN20080712_234101_000000402070_00173_33293_6760.N1	12-JUL-2008 23:41:01	Twilight	39.500	13	87Alp Tau	0.86700	3800.0	79	33293	No
104	GOM_NL__2PRFIN20080712_234722_000000362070_00173_33293_6761.N1	12-JUL-2008 23:47:22	Dark	36.000	7	19Bet Ori	0.10000	14000.	72	33293	No

3. Quality information per product

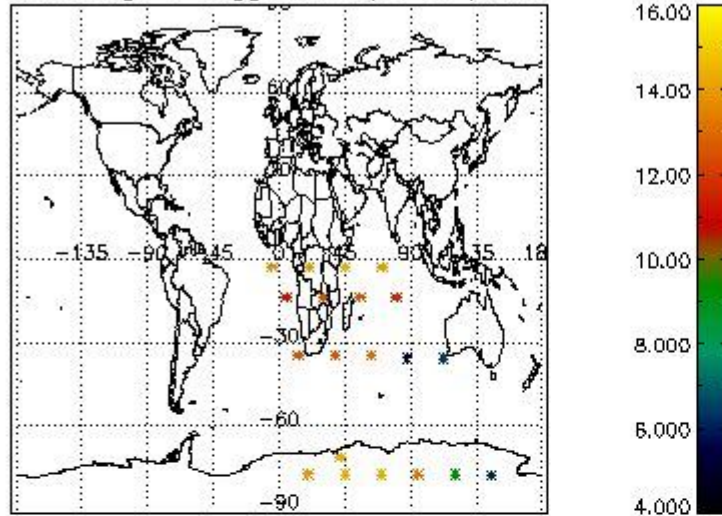
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

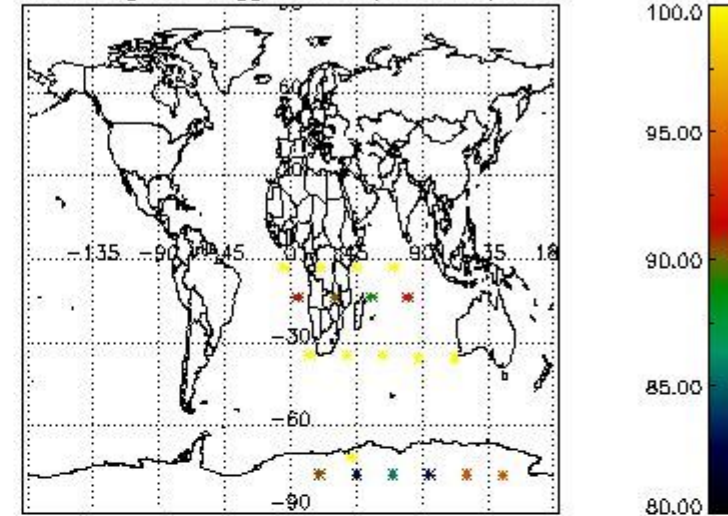


3.2 Plot quality information per product (world map)

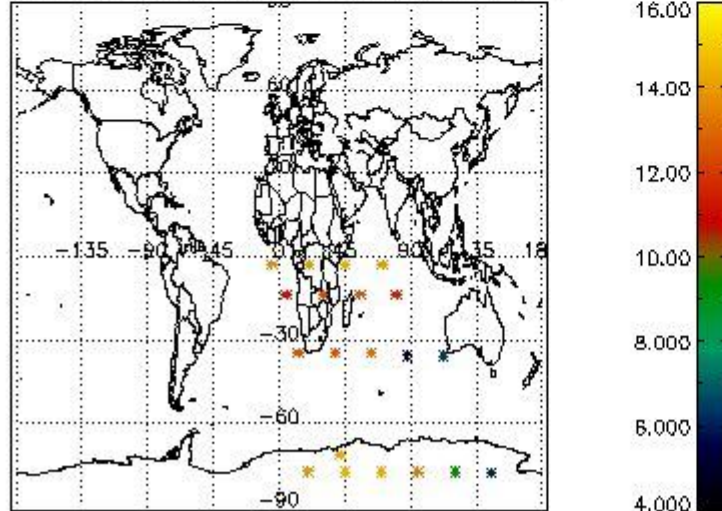
Percentage of flagged data per O3 profile



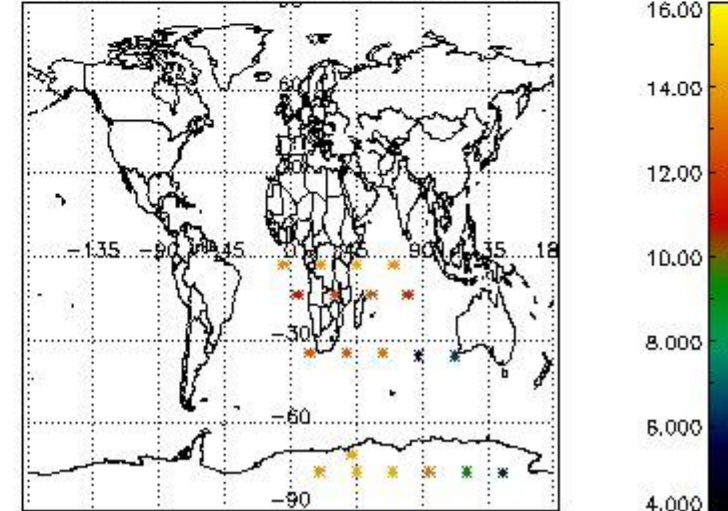
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

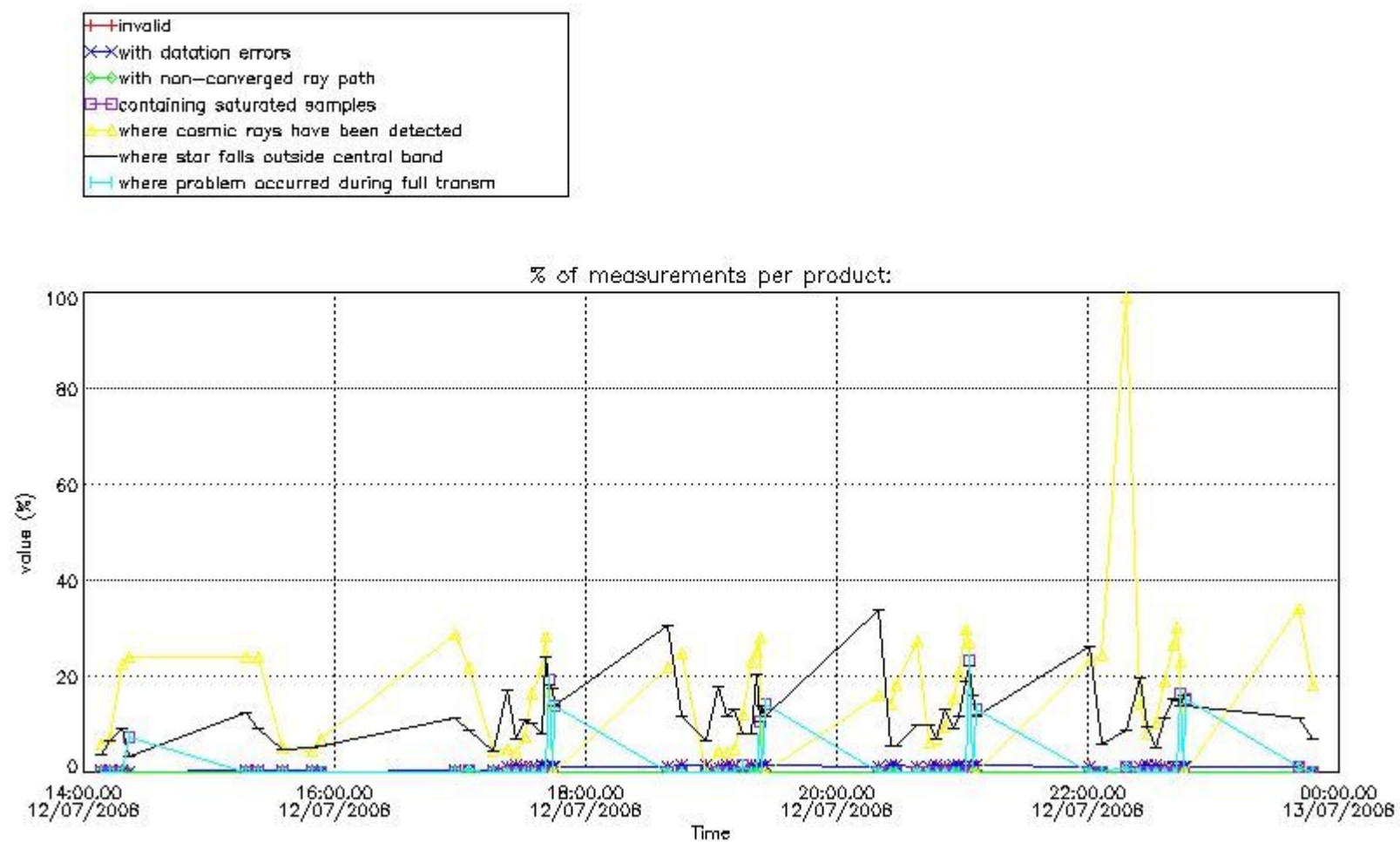


4. Level 1 quality information per product

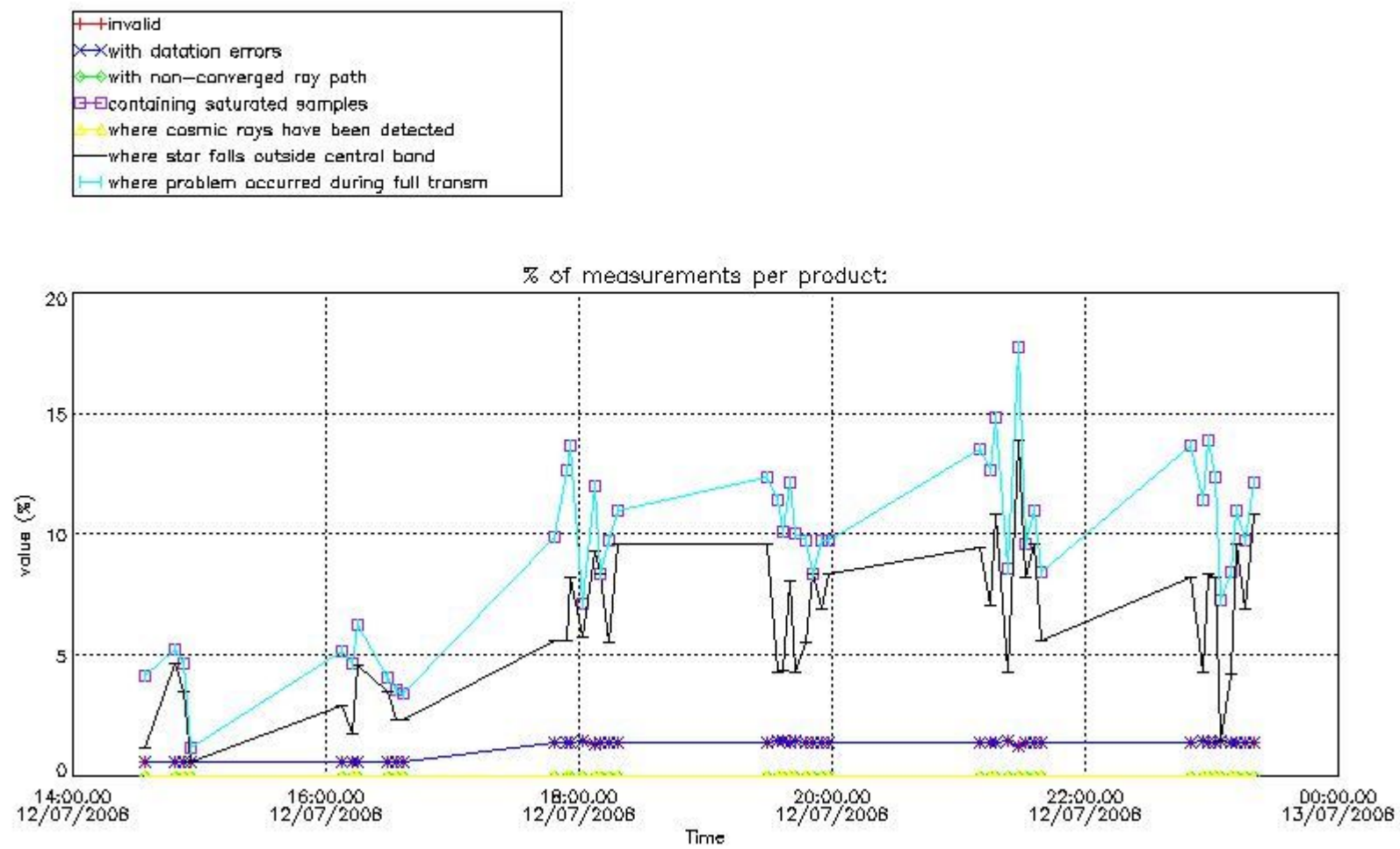
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



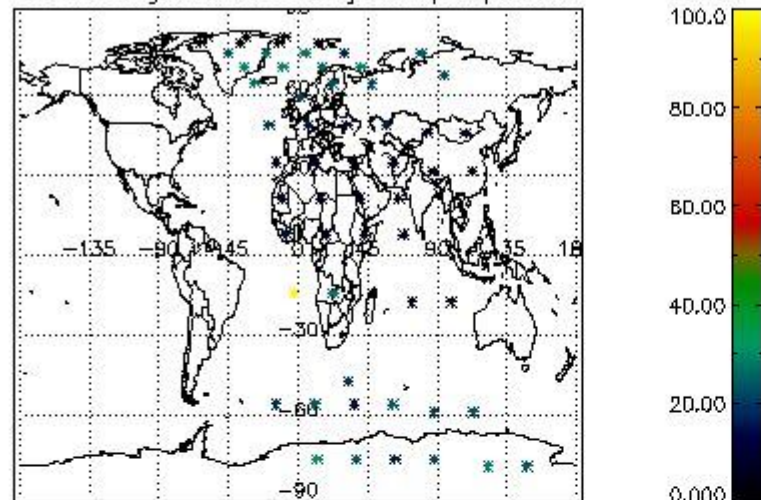
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



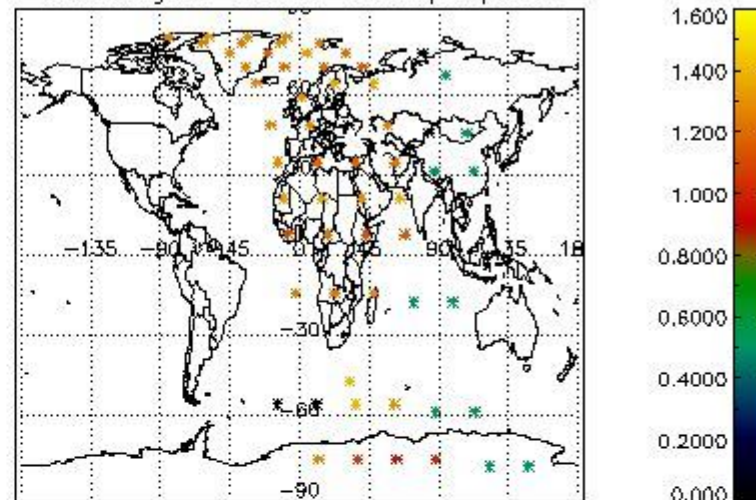
4.2 Plot quality information per product coming from level 1b processing (world map)

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

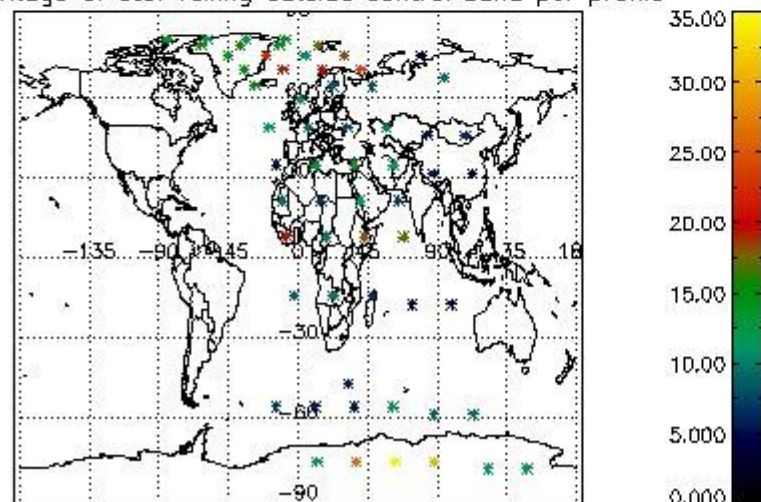
Percentage of cosmic ray hits per profile



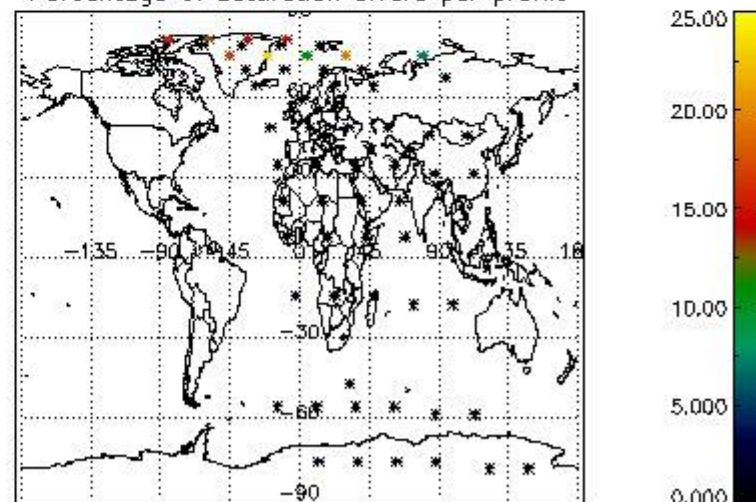
Percentage of datation errors per profile



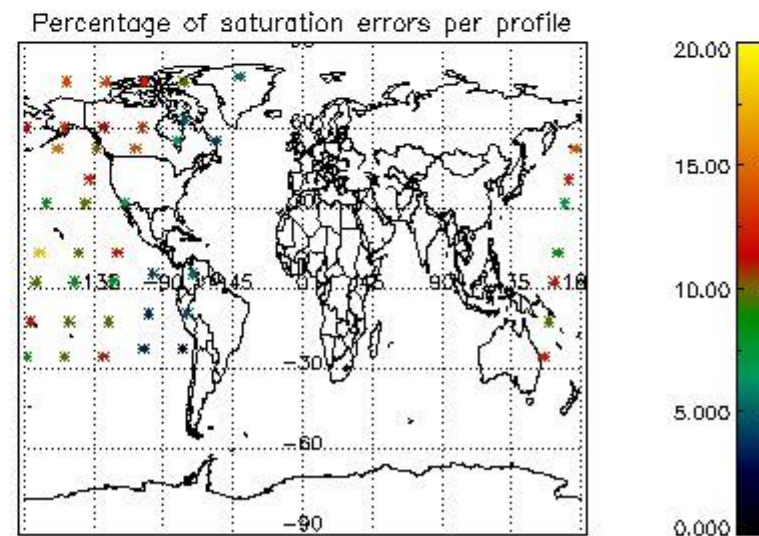
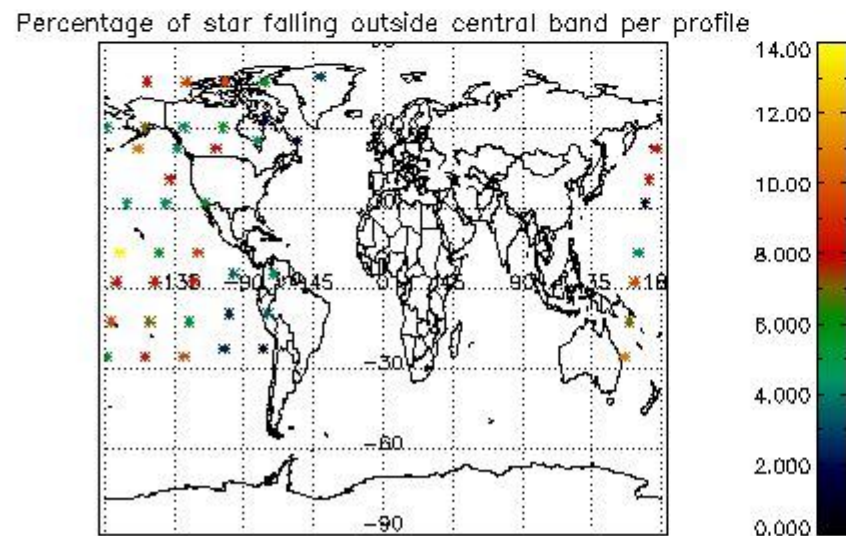
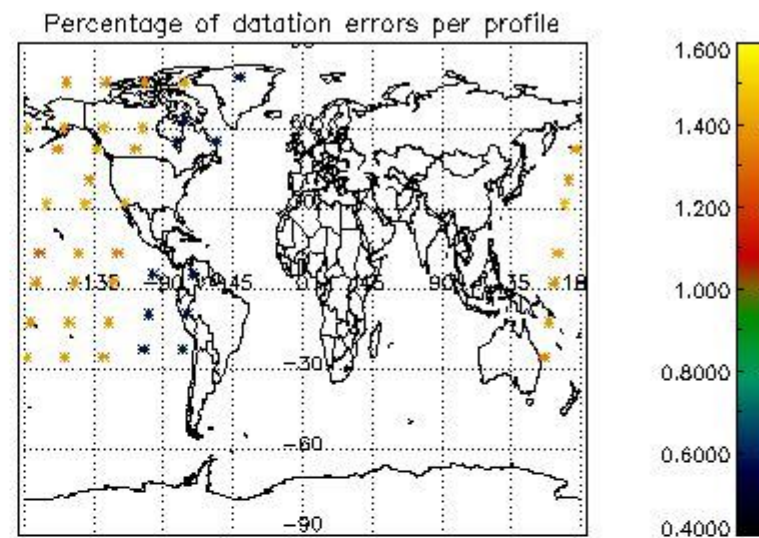
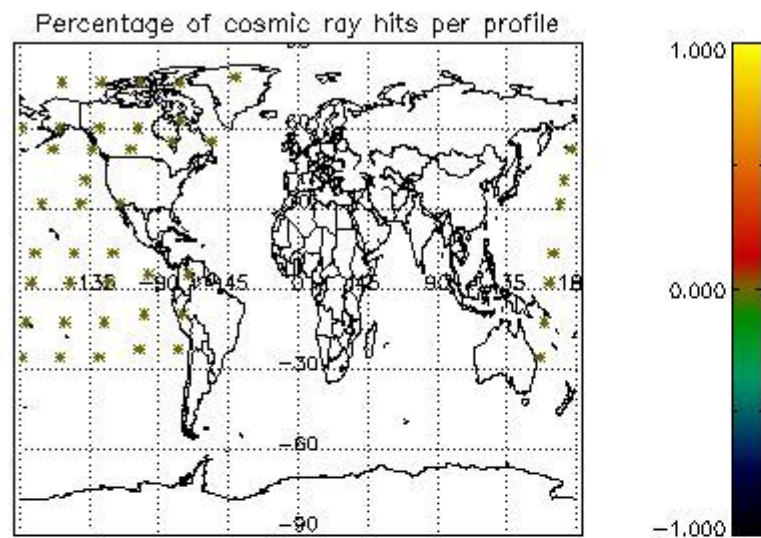
Percentage of star falling outside central band per profile



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

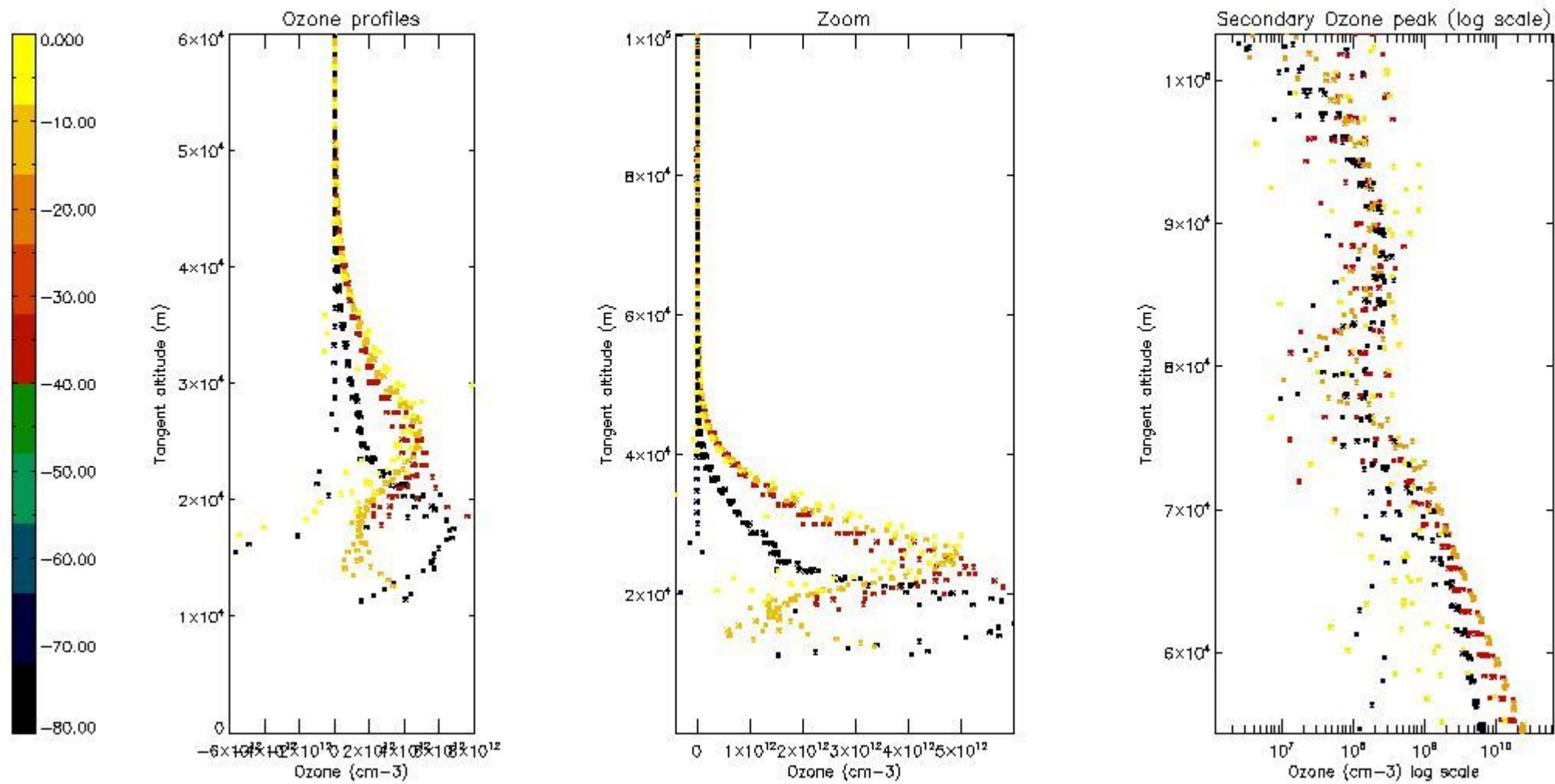
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	20
STD < 20	9

STD < 10	6
STD < 5	4

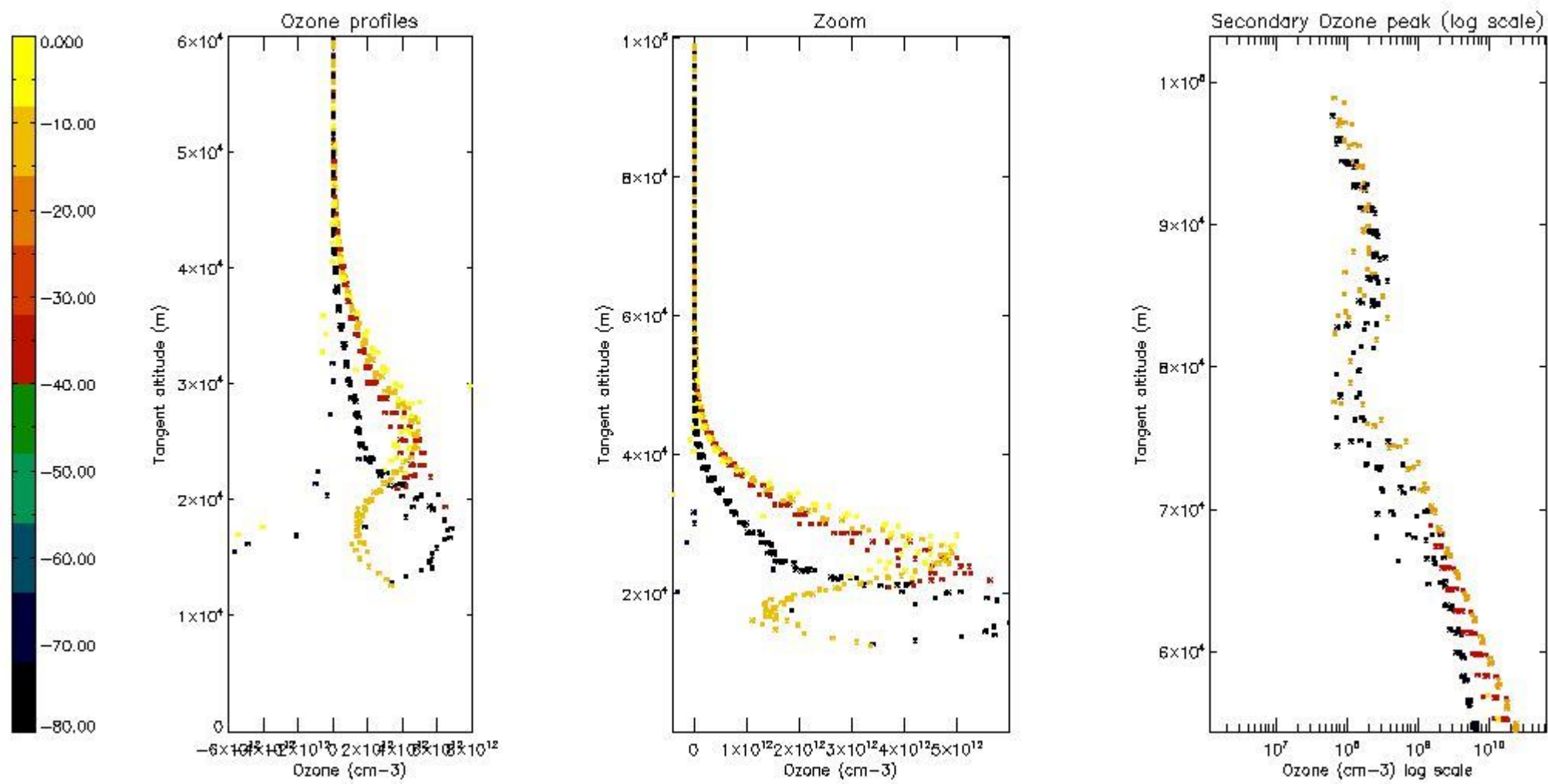
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



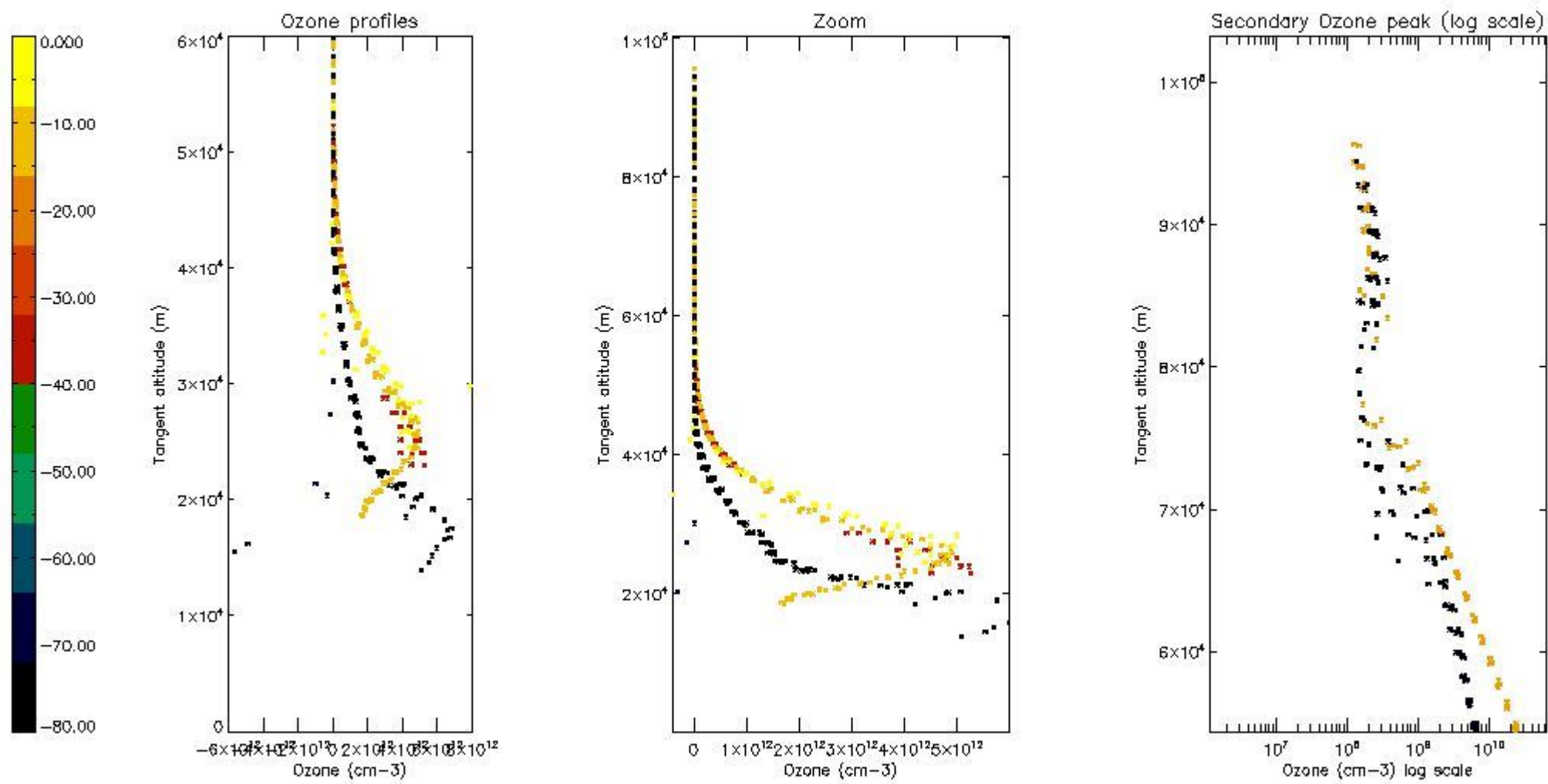
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



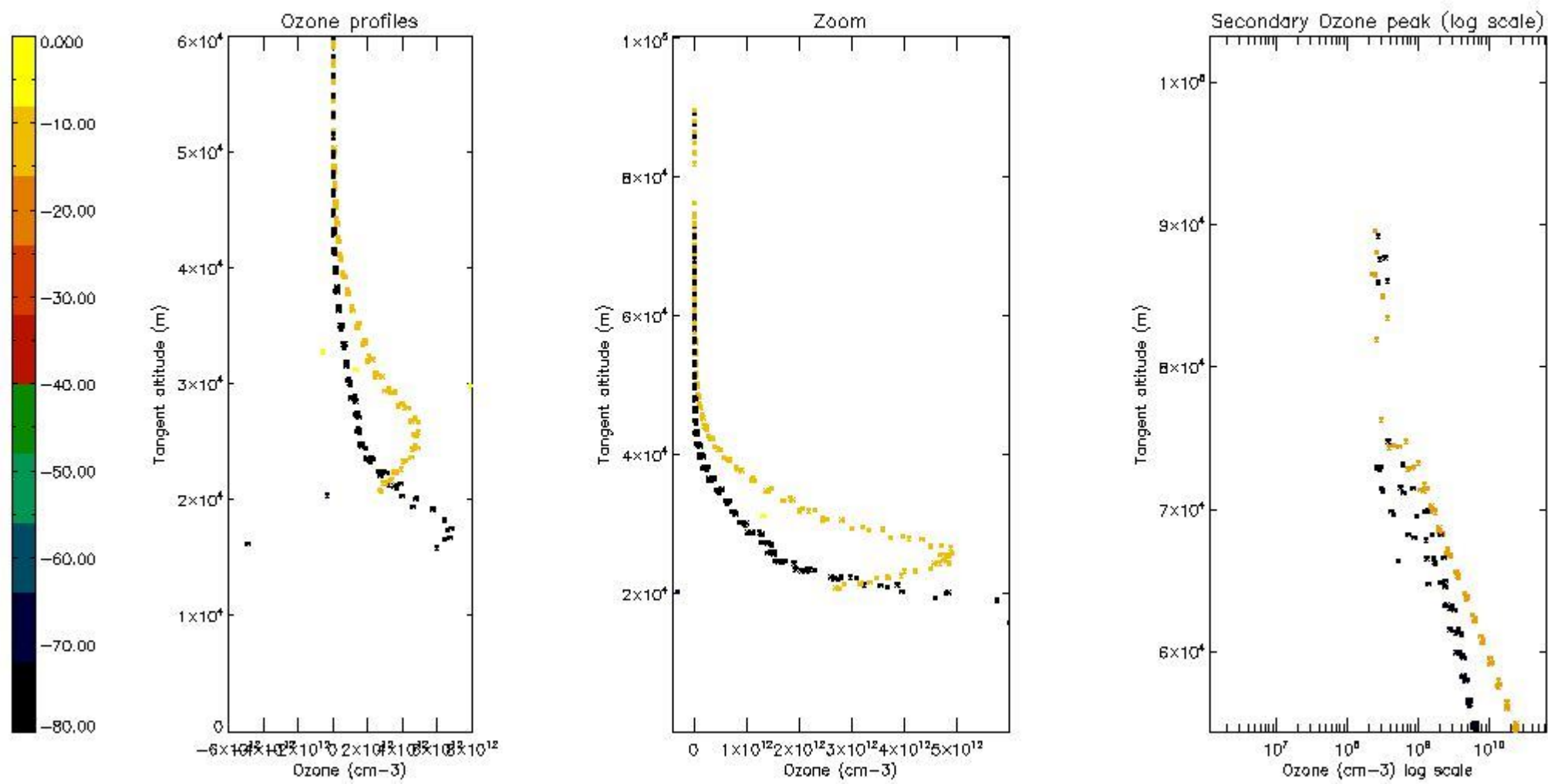
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



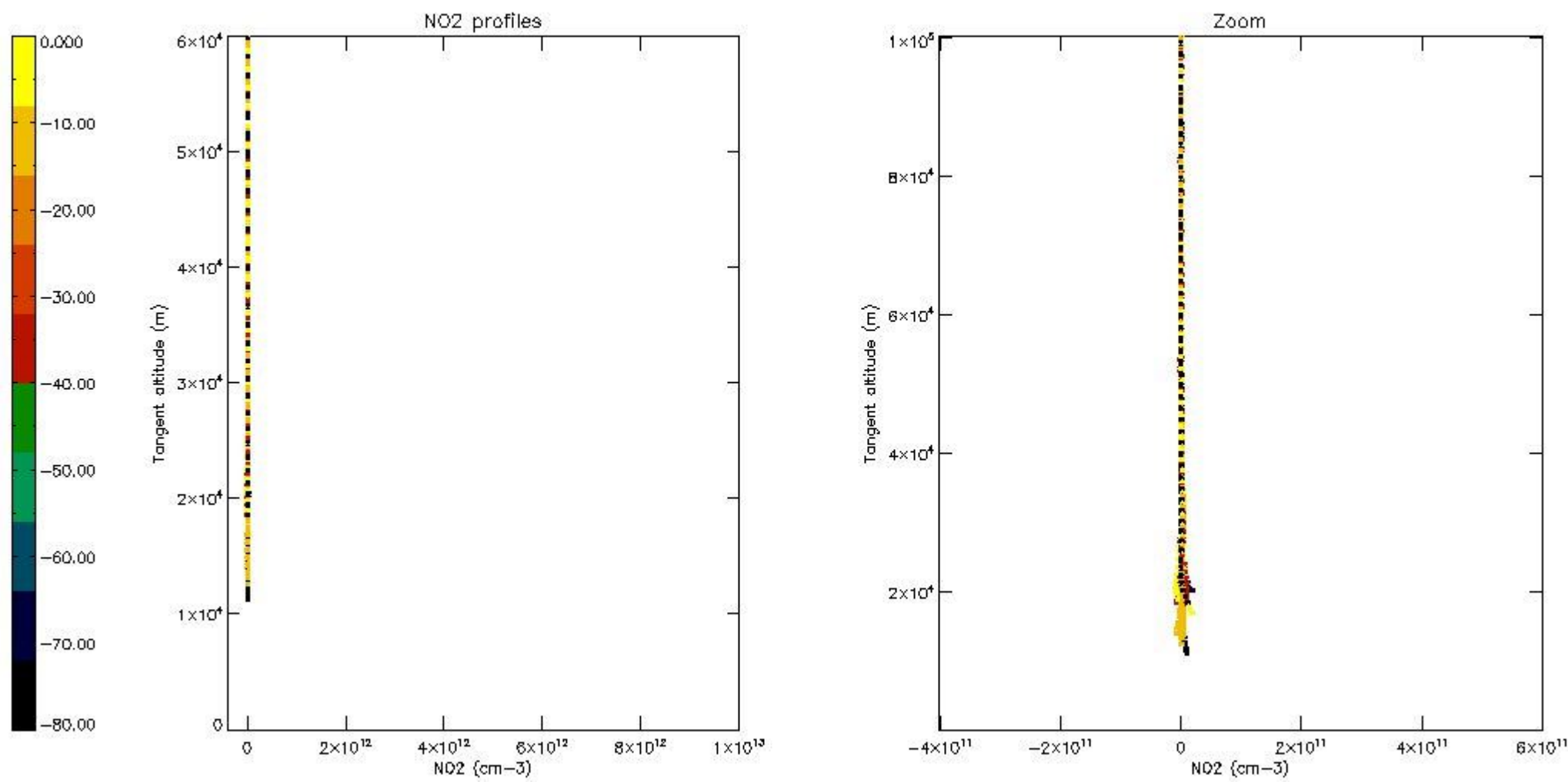
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



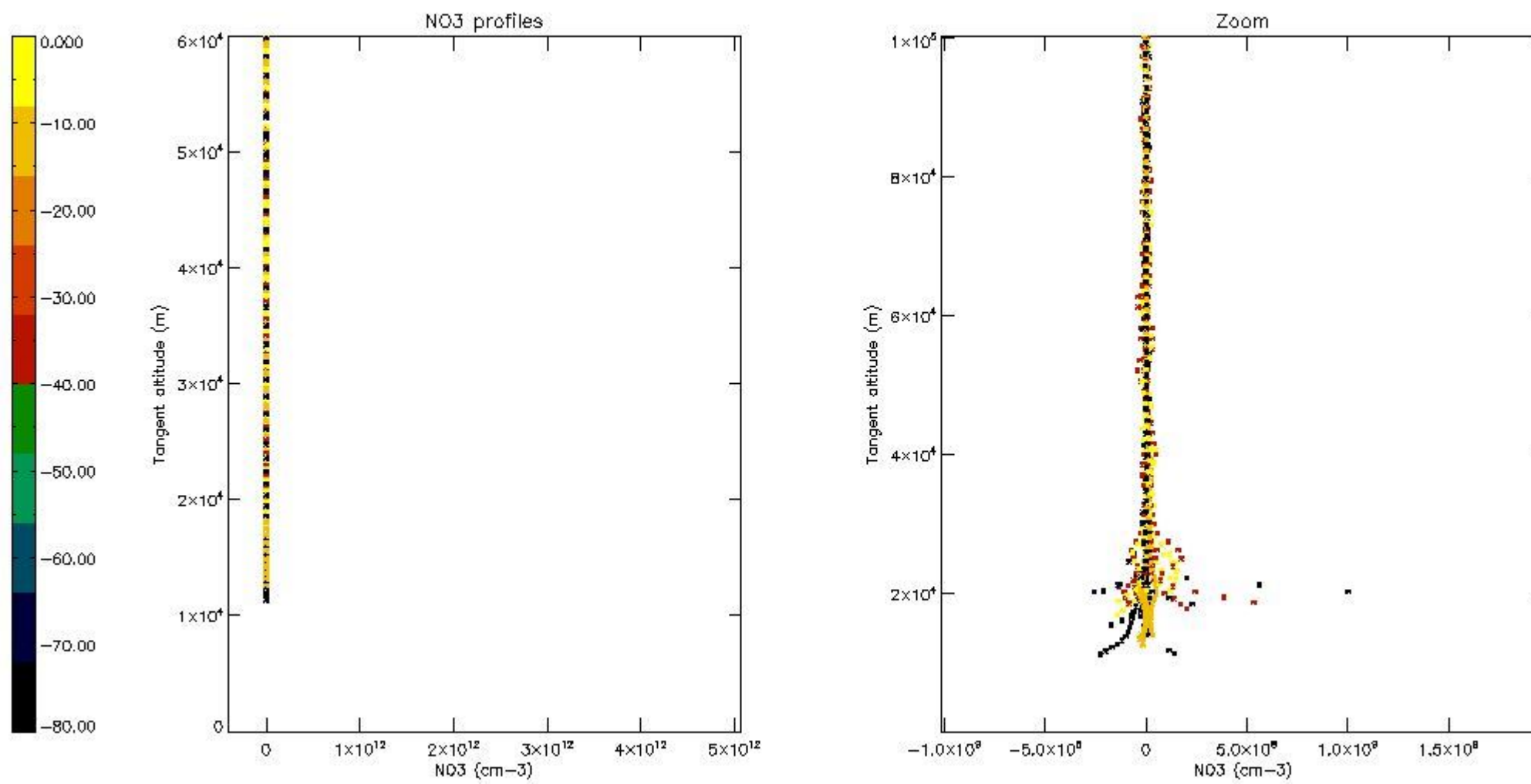
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



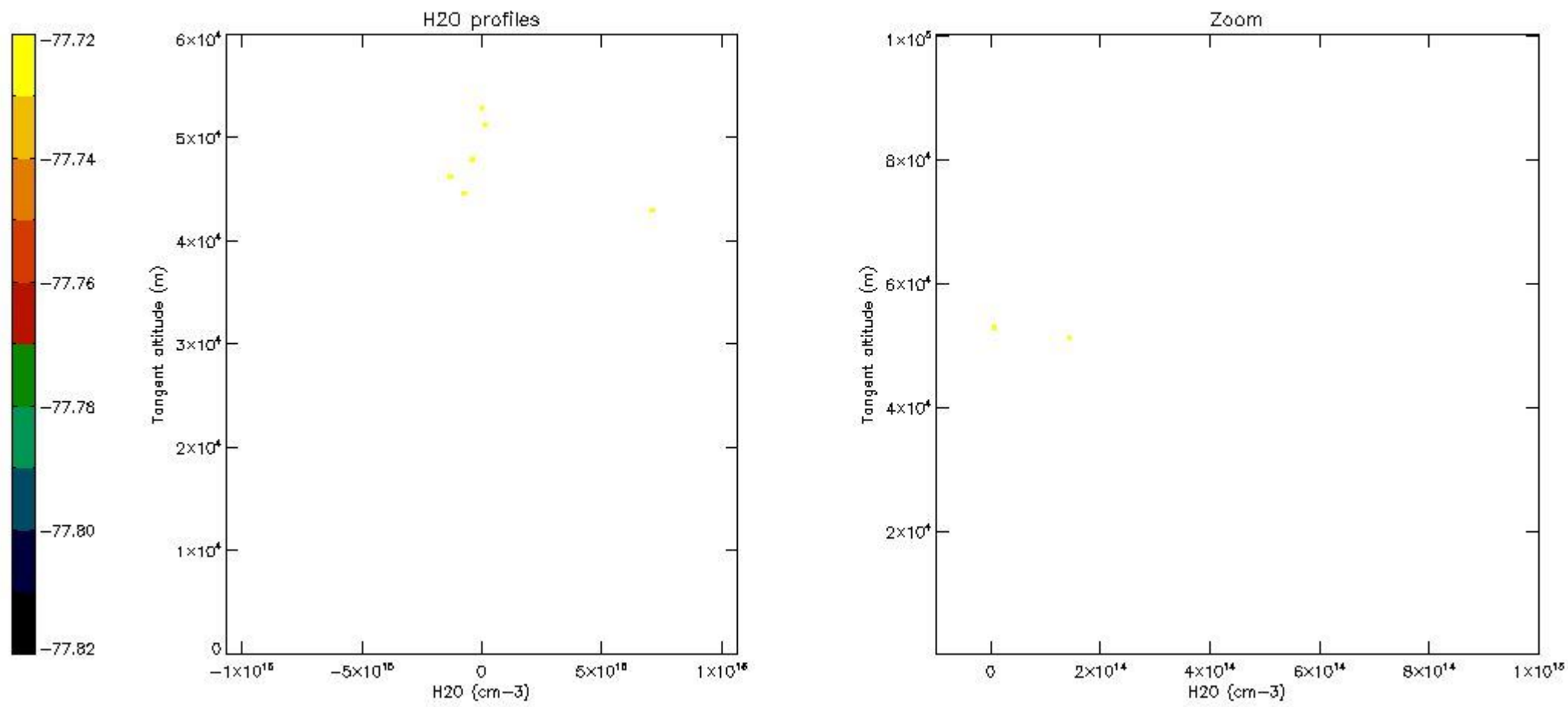
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	12-JUL-2008 14:08:21
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	12-JUL-2008 14:08:21
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	12-JUL-2008 14:08:21

GOMOS Level 2 Daily Report

SUMMARY

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[4.1.1 Plot of level 1 quality information per product \(time dependant\): ASCENDING](#)

[4.1.2 Plot of level 1 quality information per product \(time dependant\): DESCENDING](#)

[4.2 Plot of level 1 quality information per product \(world map\)](#)

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

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

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

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

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

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

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

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

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

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

Item	Value
Time of report generation	25APR2013 17:19:48
Data source version	GOMOS/6.01
Start time of products	12-07-2008 (12JUL2008 00:00:00)
Stop time of products	13-07-2008 (13JUL2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	104
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__2PRFIN20080712_140821_000000942070_00168_33288_6659.N1	12-JUL-2008 14:08:21	Straylight	93.500	148	Alp Tuc	2.8780	4100.0	187	33288	No
2	GOM_NL__2PRFIN20080712_141221_000000942070_00168_33288_6660.N1	12-JUL-2008 14:12:21	Straylight	94.000	45	Alp Pav	1.9400	26000.	188	33288	No
3	GOM_NL__2PRFIN20080712_141842_000000932070_00168_33288_6661.N1	12-JUL-2008 14:18:42	Twilight	93.000	40	The Sco	1.8590	7100.0	186	33288	No
4	GOM_NL__2PRFIN20080712_142118_000000922070_00168_33288_6662.N1	12-JUL-2008 14:21:18	Bright	91.500	103	38Zet Sgr	2.6000	9700.0	183	33288	No
5	GOM_NL__2PRFIN20080712_143409_000000852070_00168_33288_6663.N1	12-JUL-2008 14:34:09	Bright	84.500	59	55Alp Oph	2.0800	8900.0	169	33288	No
6	GOM_NL__2PRFIN20080712_144811_000000872070_00168_33288_6664.N1	12-JUL-2008 14:48:11	Bright	86.500	119	14Eta Dra	2.7270	4700.0	173	33288	No
7	GOM_NL__2PRFIN20080712_145223_000000872070_00168_33288_6665.N1	12-JUL-2008 14:52:23	Bright	86.500	60	7Bet UMi	2.0810	3950.0	173	33288	No
8	GOM_NL__2PRFIN20080712_145604_000000852070_00168_33288_6666.N1	12-JUL-2008 14:56:04	Bright	84.500	49	1Alp UMi	1.9900	6300.0	169	33288	No
9	GOM_NL__2PRFIN20080712_151708_000000992070_00168_33288_6667.N1	12-JUL-2008 15:17:08	Twilight	98.500	13	87Alp Tau	0.86700	3800.0	197	33288	No
10	GOM_NL__2PRFIN20080712_152332_000000922070_00168_33288_6668.N1	12-JUL-2008 15:23:32	Dark	92.000	7	19Bet Ori	0.10000	14000.	184	33288	No
11	GOM_NL__2PRFIN20080712_153512_000000952070_00168_33288_6669.N1	12-JUL-2008 15:35:12	Dark	95.000	157	The1Eri	2.9060	9300.0	190	33288	No
12	GOM_NL__2PRFIN20080712_154857_000000952070_00169_33289_6672.N1	12-JUL-2008 15:48:57	Straylight	95.000	148	Alp Tuc	2.8780	4100.0	190	33289	No
13	GOM_NL__2PRFIN20080712_155257_000000932070_00169_33289_6673.N1	12-JUL-2008 15:52:57	Straylight	92.500	45	Alp Pav	1.9400	26000.	185	33289	No
14	GOM_NL__2PRFIN20080712_160709_000000872070_00169_33289_6674.N1	12-JUL-2008 16:07:09	Bright	87.000	86	35Eta Oph	2.4300	10200.	174	33289	No
15	GOM_NL__2PRFIN20080712_161227_000000862070_00169_33289_6675.N1	12-JUL-2008 16:12:27	Bright	85.500	126	60Bet Oph	2.7700	4250.0	171	33289	No
16	GOM_NL__2PRFIN20080712_161445_000000882070_00169_33289_6676.N1	12-JUL-2008 16:14:45	Bright	87.500	59	55Alp Oph	2.0800	8900.0	175	33289	No
17	GOM_NL__2PRFIN20080712_162848_000000862070_00169_33289_6677.N1	12-JUL-2008 16:28:48	Bright	85.500	119	14Eta Dra	2.7270	4700.0	171	33289	No
18	GOM_NL__2PRFIN20080712_163259_000000852070_00169_33289_6678.N1	12-JUL-2008 16:32:59	Bright	85.000	60	7Bet UMi	2.0810	3950.0	170	33289	No
19	GOM_NL__2PRFIN20080712_163640_000000872070_00169_33289_6679.N1	12-JUL-2008 16:36:40	Bright	87.000	49	1Alp UMi	1.9900	6300.0	174	33289	No
20	GOM_NL__2PRFIN20080712_165744_000000982070_00169_33289_6680.N1	12-JUL-2008 16:57:44	Twilight	97.500	13	87Alp Tau	0.86700	3800.0	195	33289	No
21	GOM_NL__2PRFIN20080712_170408_000000922070_00169_33289_6681.N1	12-JUL-2008 17:04:08	Dark	92.000	7	19Bet Ori	0.10000	14000.	184	33289	No
22	GOM_NL__2PRFIN20080712_171549_000000952070_00169_33289_6682.N1	12-JUL-2008 17:15:49	Dark	94.500	157	The1Eri	2.9060	9300.0	189	33289	No
23	GOM_NL__2PRFIN20080712_172254_000000442070_00170_33290_6697.N1	12-JUL-2008 17:22:54	Dark	44.000	9	Alp Eri	0.45300	24000.	88	33290	No
24	GOM_NL__2PRFIN20080712_172641_000000372070_00170_33290_6698.N1	12-JUL-2008 17:26:41	Dark	36.500	135	Bet Hyi	2.8200	5800.0	73	33290	No
25	GOM_NL__2PRFIN20080712_173027_000000412070_00170_33290_6699.N1	12-JUL-2008 17:30:27	Straylight	41.000	148	Alp Tuc	2.8780	4100.0	82	33290	No
26	GOM_NL__2PRFIN20080712_173426_000000402070_00170_33290_6700.N1	12-JUL-2008 17:34:26	Straylight	39.500	45	Alp Pav	1.9400	26000.	79	33290	No
27	GOM_NL__2PRFIN20080712_173854_000000372070_00170_33290_6701.N1	12-JUL-2008 17:38:54	Twilight	37.000	147	Alp Ara	2.8770	26000.	74	33290	No
28	GOM_NL__2PRFIN20080712_174046_000000442070_00170_33290_6702.N1	12-JUL-2008 17:40:46	Twilight	44.000	40	The Sco	1.8590	7100.0	88	33290	No
29	GOM_NL__2PRFIN20080712_174226_000000422070_00170_33290_6703.N1	12-JUL-2008 17:42:26	Bright	41.500	25	35Lam Sco	1.6200	28000.	83	33290	No
30	GOM_NL__2PRFIN20080712_174356_000000412070_00170_33290_6704.N1	12-JUL-2008 17:43:56	Bright	40.500	116	19Del Sgr	2.7000	4100.0	81	33290	No
31	GOM_NL__2PRFIN20080712_174505_000000402070_00170_33290_6705.N1	12-JUL-2008 17:45:05	Bright	39.500	137	22Lam Sgr	2.8240	4400.0	79	33290	No
32	GOM_NL__2PRFIN20080712_174836_000000362070_00170_33290_6706.N1	12-JUL-2008 17:48:36	Bright	35.500	86	35Eta Oph	2.4300	10200.	71	33290	No
33	GOM_NL__2PRFIN20080712_175354_000000362070_00170_33290_6707.N1	12-JUL-2008 17:53:54	Bright	35.500	126	60Bet Oph	2.7700	4250.0	71	33290	No
34	GOM_NL__2PRFIN20080712_175611_000000372070_00170_33290_6708.N1	12-JUL-2008 17:56:11	Bright	36.500	59	55Alp Oph	2.0800	8900.0	73	33290	No
35	GOM_NL__2PRFIN20080712_180159_000000352070_00170_33290_6709.N1	12-JUL-2008 18:01:59	Bright	35.000	133	40Zet Her	2.8070	6000.0	70	33290	No
36	GOM_NL__2PRFIN20080712_180710_000000382070_00170_33290_6710.N1	12-JUL-2008 18:07:10	Bright	37.500	69	33Gam Dra	2.2310	3800.0	75	33290	No
37	GOM_NL__2PRFIN20080712_181013_000000362070_00170_33290_6711.N1	12-JUL-2008 18:10:13	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	33290	No
38	GOM_NL__2PRFIN20080712_181425_000000362070_00170_33290_6712.N1	12-JUL-2008 18:14:25	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	33290	No
39	GOM_NL__2PRFIN20080712_181808_000000372070_00170_33290_6713.N1	12-JUL-2008 18:18:08	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	33290	No
40	GOM_NL__2PRFIN20080712_183912_000000512070_00170_33290_6714.N1	12-JUL-2008 18:39:12	Twilight	50.500	13	87Alp Tau	0.86700	3800.0	101	33290	No
41	GOM_NL__2PRFIN20080712_184534_000000392070_00170_33290_6715.N1	12-JUL-2008 18:45:34	Dark	38.500	7	19Bet Ori	0.10000	14000.	77	33290	No
42	GOM_NL__2PRFIN20080712_185720_000000392070_00170_33290_6716.N1	12-JUL-2008 18:57:20	Dark	39.000	157	The1Eri	2.9060	9300.0	78	33290	No

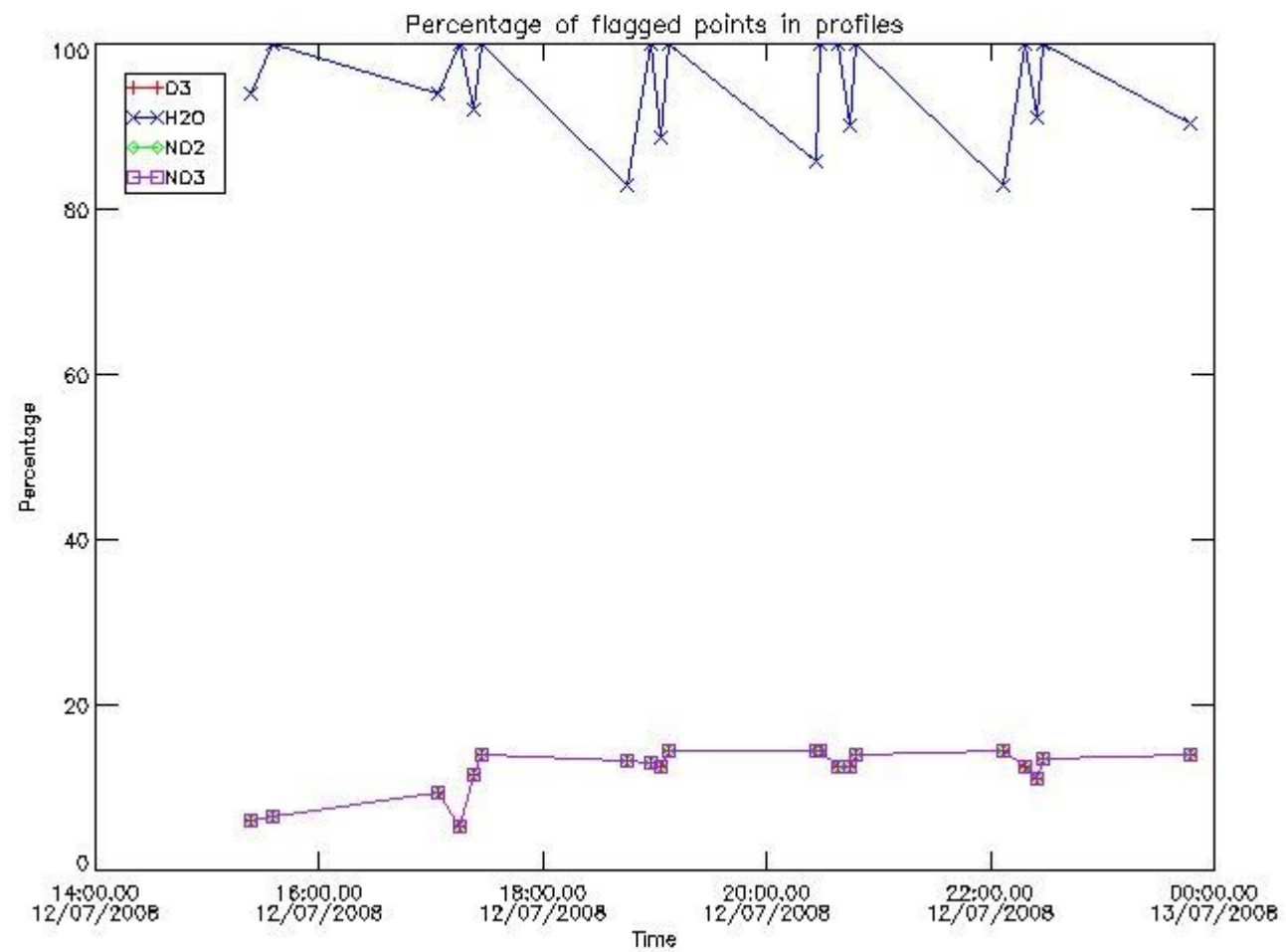
43	GOM_NL__2PRFIN20080712_190330_000000452070_00171_33291_6712.N1	12-JUL-2008 19:03:30	Dark	44.500	9	Alp Eri	0.45300	24000.	89	33291	No
44	GOM_NL__2PRFIN20080712_190717_000000392070_00171_33291_6713.N1	12-JUL-2008 19:07:17	Dark	39.000	135	Bet Hyi	2.8200	5800.0	78	33291	No
45	GOM_NL__2PRFIN20080712_191103_000000432070_00171_33291_6714.N1	12-JUL-2008 19:11:03	Straylight	42.500	148	Alp Tuc	2.8780	4100.0	85	33291	No
46	GOM_NL__2PRFIN20080712_191502_000000382070_00171_33291_6715.N1	12-JUL-2008 19:15:02	Straylight	38.000	45	Alp Pav	1.9400	26000.	76	33291	No
47	GOM_NL__2PRFIN20080712_191930_000000372070_00171_33291_6716.N1	12-JUL-2008 19:19:30	Twi_and_stray	37.000	147	Alp Ara	2.8770	26000.	74	33291	No
48	GOM_NL__2PRFIN20080712_192122_000000422070_00171_33291_6717.N1	12-JUL-2008 19:21:22	Twi_and_stray	42.000	40	The Sco	1.8590	7100.0	84	33291	No
49	GOM_NL__2PRFIN20080712_192302_000000382070_00171_33291_6718.N1	12-JUL-2008 19:23:02	Bright	37.500	25	35Lam Sco	1.6200	28000.	75	33291	No
50	GOM_NL__2PRFIN20080712_192432_000000402070_00171_33291_6719.N1	12-JUL-2008 19:24:32	Bright	39.500	116	19Del Sgr	2.7000	4100.0	79	33291	No
51	GOM_NL__2PRFIN20080712_192541_000000392070_00171_33291_6720.N1	12-JUL-2008 19:25:41	Bright	39.000	137	22Lam Sgr	2.8240	4400.0	78	33291	No
52	GOM_NL__2PRFIN20080712_192912_000000372070_00171_33291_6721.N1	12-JUL-2008 19:29:12	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	33291	No
53	GOM_NL__2PRFIN20080712_193430_000000352070_00171_33291_6722.N1	12-JUL-2008 19:34:30	Bright	35.000	126	60Bet Oph	2.7700	4250.0	70	33291	No
54	GOM_NL__2PRFIN20080712_193647_000000352070_00171_33291_6723.N1	12-JUL-2008 19:36:47	Bright	34.500	59	55Alp Oph	2.0800	8900.0	69	33291	No
55	GOM_NL__2PRFIN20080712_194003_000000372070_00171_33291_6724.N1	12-JUL-2008 19:40:03	Bright	37.000	127	27Bet Her	2.7810	4700.0	74	33291	No
56	GOM_NL__2PRFIN20080712_194235_000000352070_00171_33291_6725.N1	12-JUL-2008 19:42:35	Bright	35.000	133	40Zet Her	2.8070	6000.0	70	33291	No
57	GOM_NL__2PRFIN20080712_194746_000000362070_00171_33291_6726.N1	12-JUL-2008 19:47:46	Bright	36.000	69	33Gam Dra	2.2310	3800.0	72	33291	No
58	GOM_NL__2PRFIN20080712_195049_000000362070_00171_33291_6727.N1	12-JUL-2008 19:50:49	Bright	36.000	119	14Eta Dra	2.7270	4700.0	72	33291	No
59	GOM_NL__2PRFIN20080712_195501_000000362070_00171_33291_6728.N1	12-JUL-2008 19:55:01	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	33291	No
60	GOM_NL__2PRFIN20080712_195844_000000362070_00171_33291_6729.N1	12-JUL-2008 19:58:44	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	33291	No
61	GOM_NL__2PRFIN20080712_201949_000000532070_00171_33291_6730.N1	12-JUL-2008 20:19:49	Twilight	53.000	13	87Alp Tau	0.86700	3800.0	106	33291	No
62	GOM_NL__2PRFIN20080712_202610_000000362070_00171_33291_6731.N1	12-JUL-2008 20:26:10	Dark	35.500	7	19Bet Ori	0.10000	14000.	71	33291	No
63	GOM_NL__2PRFIN20080712_202840_000000362070_00171_33291_6732.N1	12-JUL-2008 20:28:40	Dark	35.500	101	11Alp Lep	2.5820	7000.0	71	33291	No
64	GOM_NL__2PRFIN20080712_203756_000000412070_00171_33291_6733.N1	12-JUL-2008 20:37:56	Dark	40.500	157	The1Eri	2.9060	9300.0	81	33291	No
65	GOM_NL__2PRFIN20080712_204407_000000412070_00172_33292_6727.N1	12-JUL-2008 20:44:07	Dark	41.000	9	Alp Eri	0.45300	24000.	82	33292	No
66	GOM_NL__2PRFIN20080712_204753_000000372070_00172_33292_6728.N1	12-JUL-2008 20:47:53	Dark	36.500	135	Bet Hyi	2.8200	5800.0	73	33292	No
67	GOM_NL__2PRFIN20080712_205140_000000432070_00172_33292_6729.N1	12-JUL-2008 20:51:40	Straylight	42.500	148	Alp Tuc	2.8780	4100.0	85	33292	No
68	GOM_NL__2PRFIN20080712_205538_000000392070_00172_33292_6730.N1	12-JUL-2008 20:55:38	Straylight	39.000	45	Alp Pav	1.9400	26000.	78	33292	No
69	GOM_NL__2PRFIN20080712_205834_000000392070_00172_33292_6731.N1	12-JUL-2008 20:58:34	Straylight	38.500	141	Bet Ara	2.8400	4600.0	77	33292	No
70	GOM_NL__2PRFIN20080712_210158_000000422070_00172_33292_6732.N1	12-JUL-2008 21:01:58	Twi_and_stray	42.000	40	The Sco	1.8590	7100.0	84	33292	No
71	GOM_NL__2PRFIN20080712_210338_000000432070_00172_33292_6733.N1	12-JUL-2008 21:03:38	Bright	43.000	25	35Lam Sco	1.6200	28000.	86	33292	No
72	GOM_NL__2PRFIN20080712_210508_000000412070_00172_33292_6734.N1	12-JUL-2008 21:05:08	Bright	40.500	116	19Del Sgr	2.7000	4100.0	81	33292	No
73	GOM_NL__2PRFIN20080712_210617_000000392070_00172_33292_6735.N1	12-JUL-2008 21:06:17	Bright	38.500	137	22Lam Sgr	2.8240	4400.0	77	33292	No
74	GOM_NL__2PRFIN20080712_210948_000000372070_00172_33292_6736.N1	12-JUL-2008 21:09:48	Bright	37.000	86	35Eta Oph	2.4300	10200.	74	33292	No
75	GOM_NL__2PRFIN20080712_211506_000000362070_00172_33292_6737.N1	12-JUL-2008 21:15:06	Bright	35.500	126	60Bet Oph	2.7700	4250.0	71	33292	No
76	GOM_NL__2PRFIN20080712_211723_000000372070_00172_33292_6738.N1	12-JUL-2008 21:17:23	Bright	37.000	59	55Alp Oph	2.0800	8900.0	74	33292	No
77	GOM_NL__2PRFIN20080712_212311_000000352070_00172_33292_6739.N1	12-JUL-2008 21:23:11	Bright	35.000	133	40Zet Her	2.8070	6000.0	70	33292	No
78	GOM_NL__2PRFIN20080712_212821_000000402070_00172_33292_6740.N1	12-JUL-2008 21:28:21	Bright	39.500	69	33Gam Dra	2.2310	3800.0	79	33292	No
79	GOM_NL__2PRFIN20080712_213125_000000372070_00172_33292_6741.N1	12-JUL-2008 21:31:25	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	33292	No
80	GOM_NL__2PRFIN20080712_213537_000000372070_00172_33292_6742.N1	12-JUL-2008 21:35:37	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	33292	No
81	GOM_NL__2PRFIN20080712_213920_000000362070_00172_33292_6743.N1	12-JUL-2008 21:39:20	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	33292	No
82	GOM_NL__2PRFIN20080712_220025_000000482070_00172_33292_6744.N1	12-JUL-2008 22:00:25	Twilight	47.500	13	87Alp Tau	0.86700	3800.0	95	33292	No
83	GOM_NL__2PRFIN20080712_220646_000000352070_00172_33292_6745.N1	12-JUL-2008 22:06:46	Dark	35.000	7	19Bet Ori	0.10000	14000.	70	33292	No
84	GOM_NL__2PRFIN20080712_221833_000000412070_00172_33292_6746.N1	12-JUL-2008 22:18:33	Dark	40.500	157	The1Eri	2.9060	9300.0	81	33292	No
85	GOM_NL__2PRFIN20080712_222443_000000462070_00173_33293_6742.N1	12-JUL-2008 22:24:43	Dark	45.500	9	Alp Eri	0.45300	24000.	91	33293	No
86	GOM_NL__2PRFIN20080712_222829_000000382070_00173_33293_6743.N1	12-JUL-2008 22:28:29	Dark	37.500	135	Bet Hyi	2.8200	5800.0	75	33293	No
87	GOM_NL__2PRFIN20080712_223216_000000392070_00173_33293_6744.N1	12-JUL-2008 22:32:16	Straylight	39.000	148	Alp Tuc	2.8780	4100.0	78	33293	No
88	GOM_NL__2PRFIN20080712_223615_000000402070_00173_33293_6745.N1	12-JUL-2008 22:36:15	Straylight	40.000	45	Alp Pav	1.9400	26000.	80	33293	No
89	GOM_NL__2PRFIN20080712_224042_000000402070_00173_33293_6746.N1	12-JUL-2008 22:40:42	Twi_and_stray	39.500	147	Alp Ara	2.8770	26000.	79	33293	No
90	GOM_NL__2PRFIN20080712_224234_000000402070_00173_33293_6747.N1	12-JUL-2008 22:42:34	Twi_and_stray	40.000	40	The Sco	1.8590	7100.0	80	33293	No
91	GOM_NL__2PRFIN20080712_224414_000000402070_00173_33293_6748.N1	12-JUL-2008 22:44:14	Bright	39.500	25	35Lam Sco	1.6200	28000.	79	33293	No
92	GOM_NL__2PRFIN20080712_224544_000000412070_00173_33293_6749.N1	12-JUL-2008 22:45:44	Bright	40.500	116	19Del Sgr	2.7000	4100.0	81	33293	No
93	GOM_NL__2PRFIN20080712_224654_000000402070_00173_33293_6750.N1	12-JUL-2008 22:46:54	Bright	39.500	137	22Lam Sgr	2.8240	4400.0	79	33293	No
94	GOM_NL__2PRFIN20080712_225024_000000372070_00173_33293_6751.N1	12-JUL-2008 22:50:24	Bright	36.500	86	35Eta Oph	2.4300	10200.	73	33293	No
95	GOM_NL__2PRFIN20080712_225542_000000352070_00173_33293_6752.N1	12-JUL-2008 22:55:42	Bright	35.000	126	60Bet Oph	2.7700	4250.0	70	33293	No
96	GOM_NL__2PRFIN20080712_225759_000000362070_00173_33293_6753.N1	12-JUL-2008 22:57:59	Bright	36.000	59	55Alp Oph	2.0800	8900.0	72	33293	No
97	GOM_NL__2PRFIN20080712_230115_000000372070_00173_33293_6754.N1	12-JUL-2008 23:01:15	Bright	36.500	127	27Bet Her	2.7810	4700.0	73	33293	No
98	GOM_NL__2PRFIN20080712_230347_000000352070_00173_33293_6755.N1	12-JUL-2008 23:03:47	Bright	34.500	133	40Zet Her	2.8070	6000.0	69	33293	No
99	GOM_NL__2PRFIN20080712_230857_000000362070_00173_33293_6756.N1	12-JUL-2008 23:08:57	Bright	35.500	69	33Gam Dra	2.2310	3800.0	71	33293	No
100	GOM_NL__2PRFIN20080712_231201_000000372070_00173_33293_6757.N1	12-JUL-2008 23:12:01	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	33293	No
101	GOM_NL__2PRFIN20080712_231613_000000362070_00173_33293_6758.N1	12-JUL-2008 23:16:13	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	33293	No

102	GOM_NL__2PRFIN20080712_231955_000000372070_00173_33293_6759.N1	12-JUL-2008 23:19:55	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	33293	No
103	GOM_NL__2PRFIN20080712_234101_000000402070_00173_33293_6760.N1	12-JUL-2008 23:41:01	Twilight	39.500	13	87Alp Tau	0.86700	3800.0	79	33293	No
104	GOM_NL__2PRFIN20080712_234722_000000362070_00173_33293_6761.N1	12-JUL-2008 23:47:22	Dark	36.000	7	19Bet Ori	0.10000	14000.	72	33293	No

3. Quality information per product

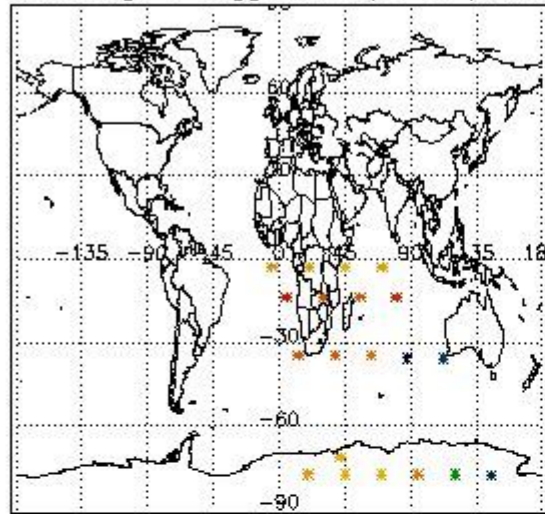
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

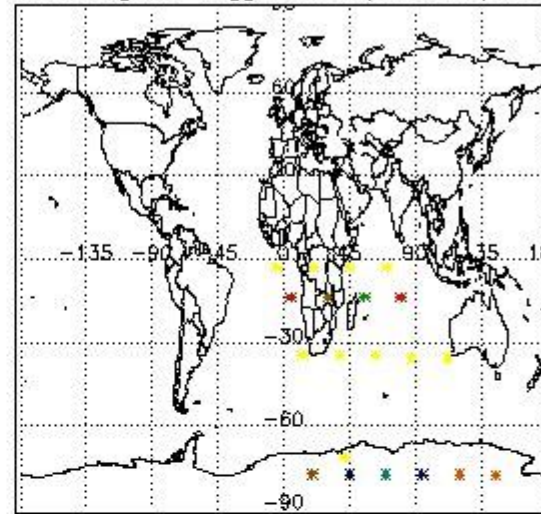


3.2 Plot quality information per product (world map)

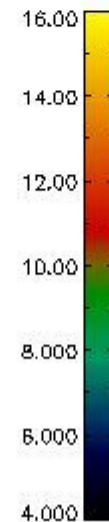
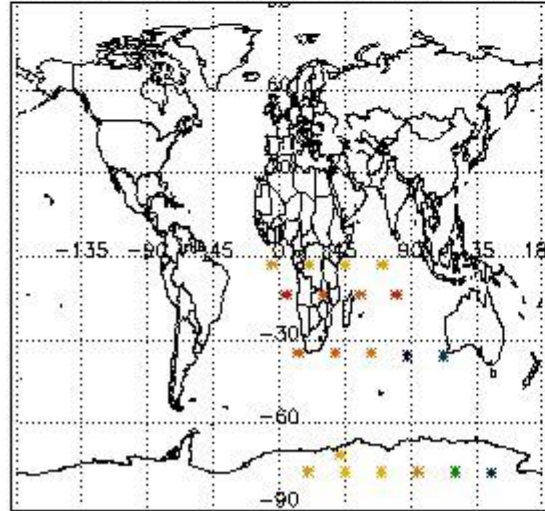
Percentage of flagged data per O3 profile



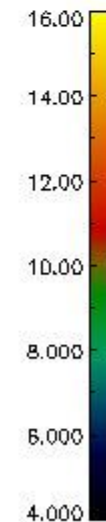
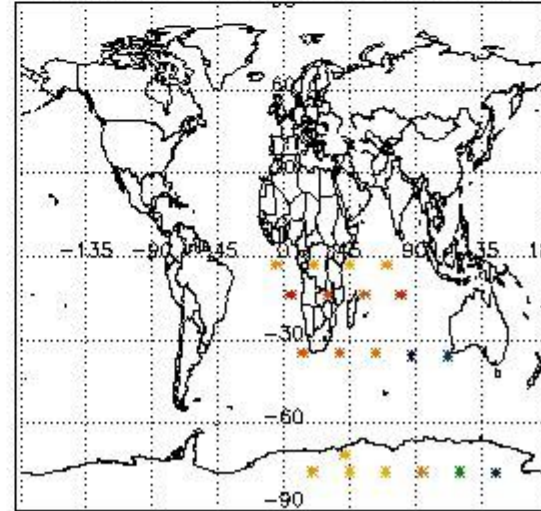
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

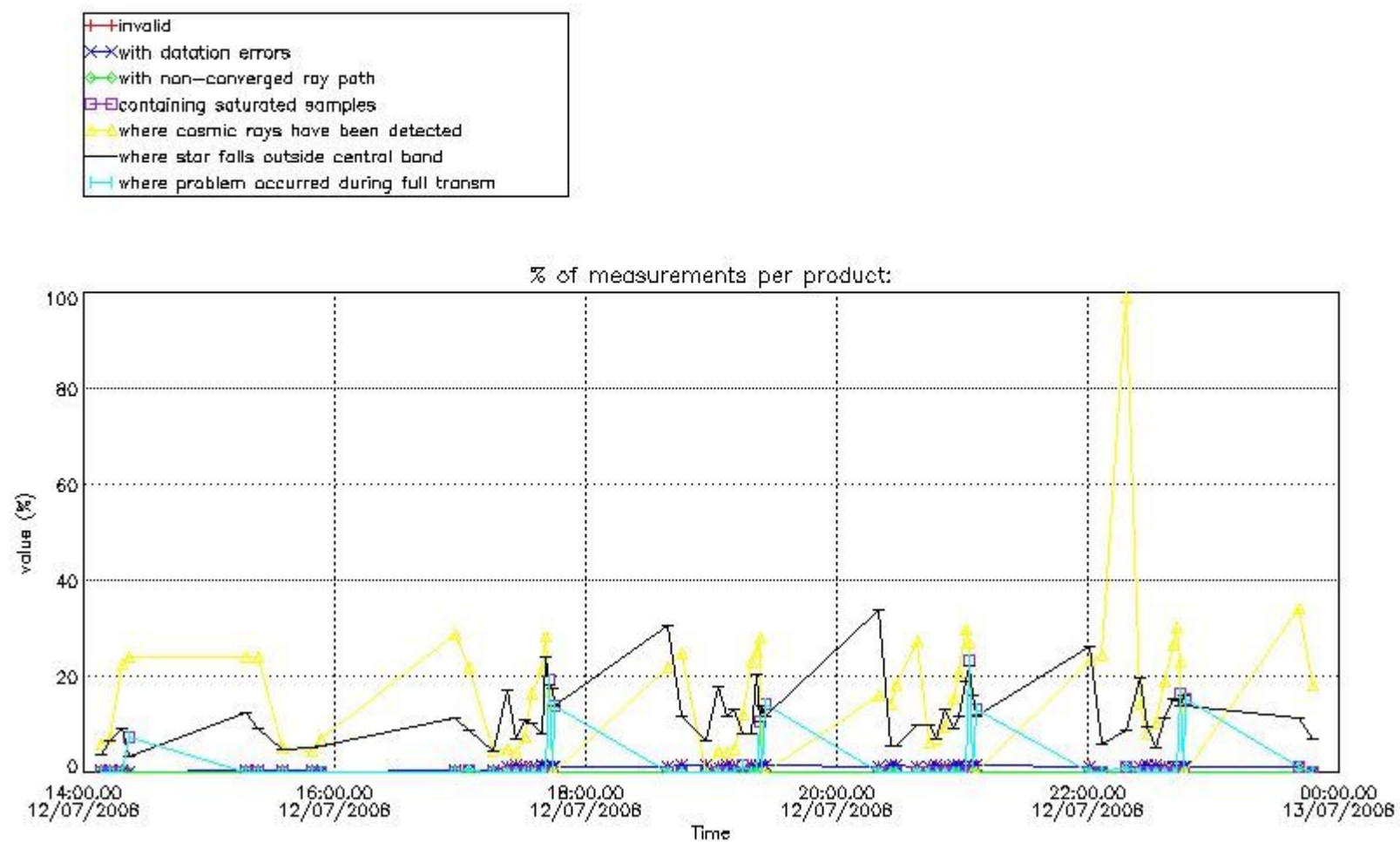


4. Level 1 quality information per product

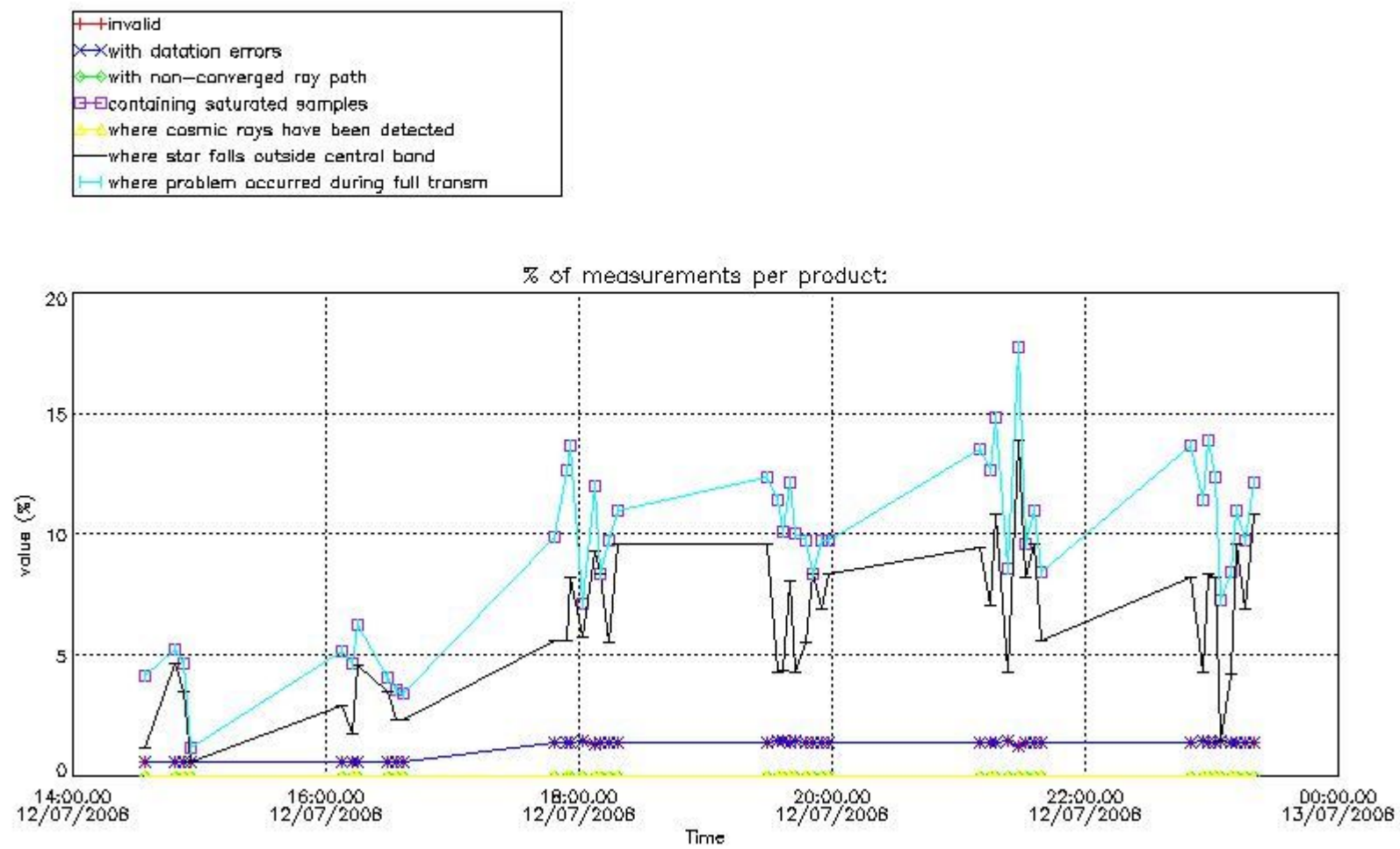
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



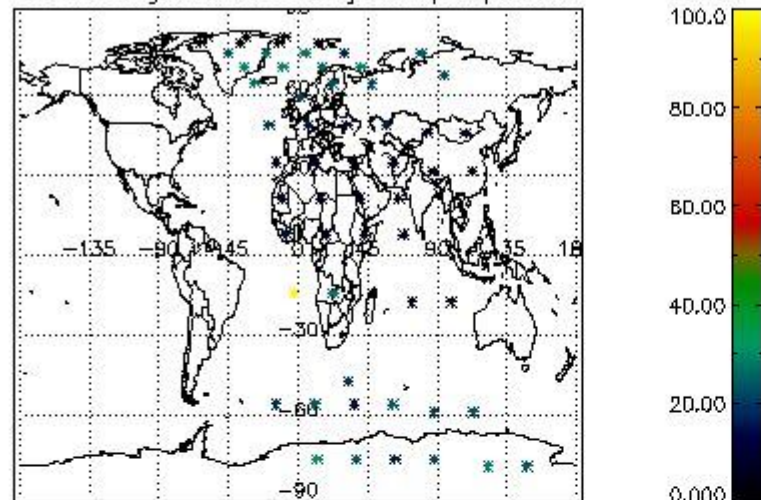
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



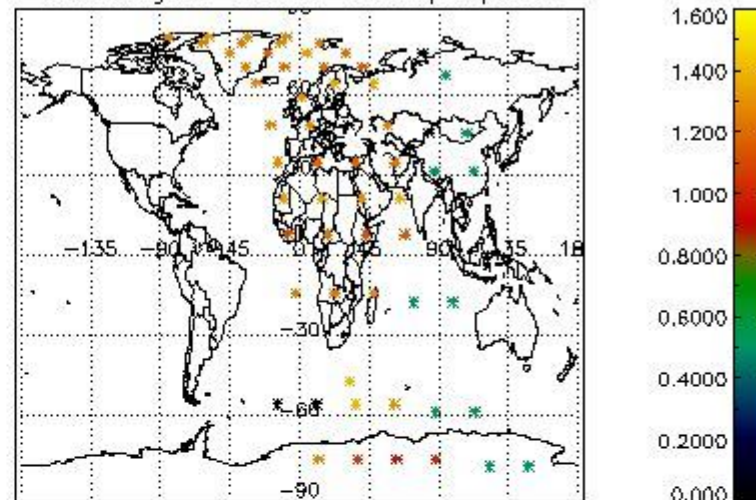
4.2 Plot quality information per product coming from level 1b processing (world map)

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

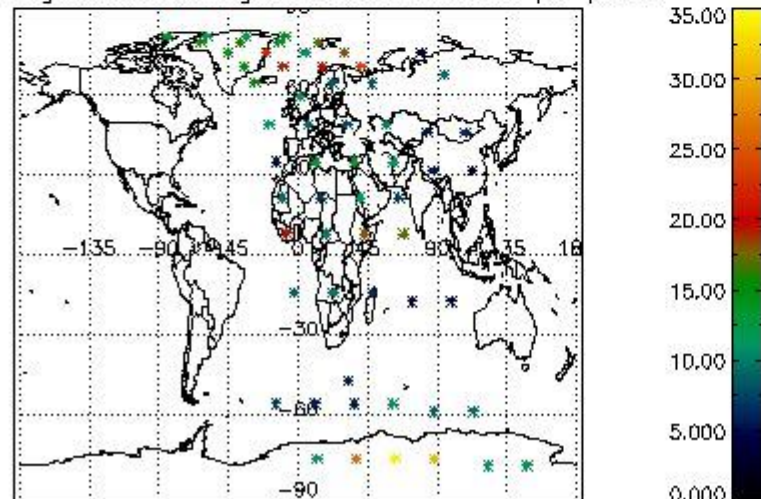
Percentage of cosmic ray hits per profile



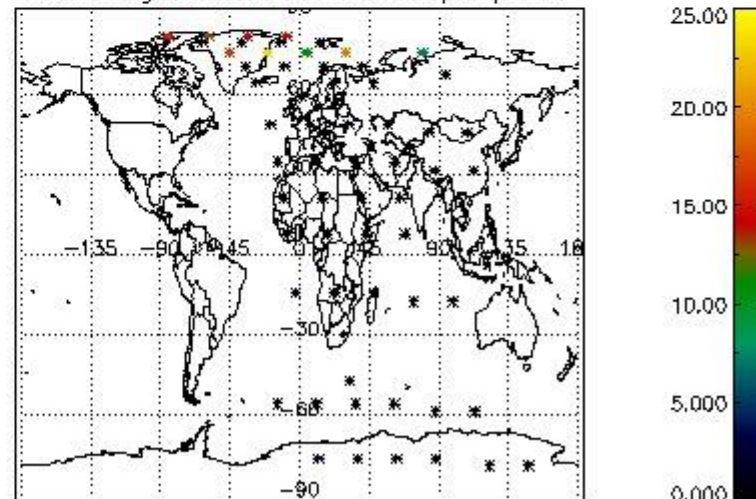
Percentage of datation errors per profile



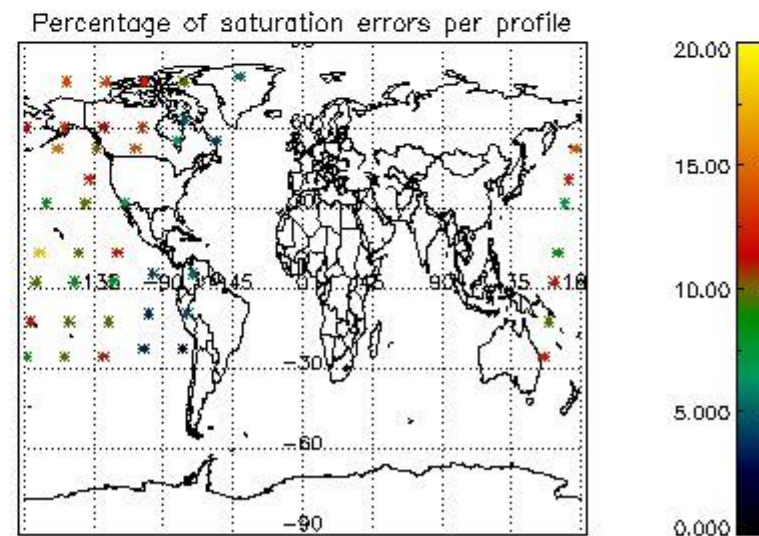
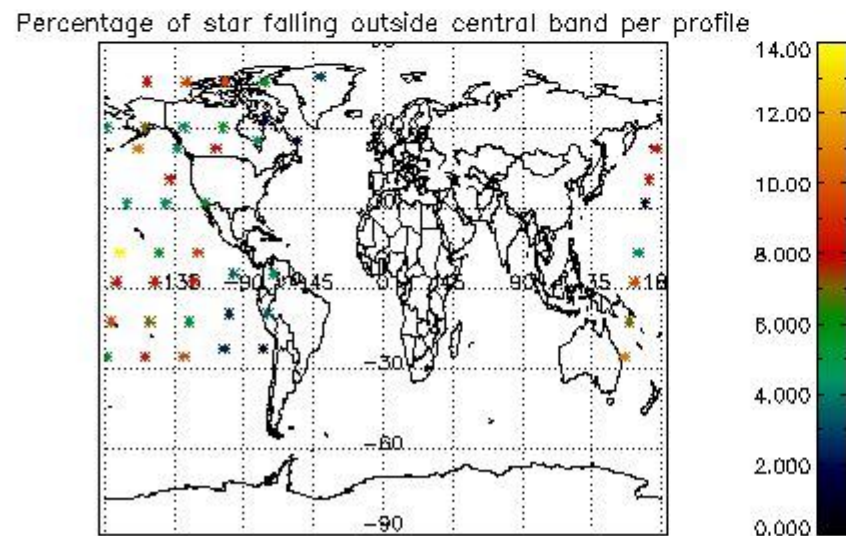
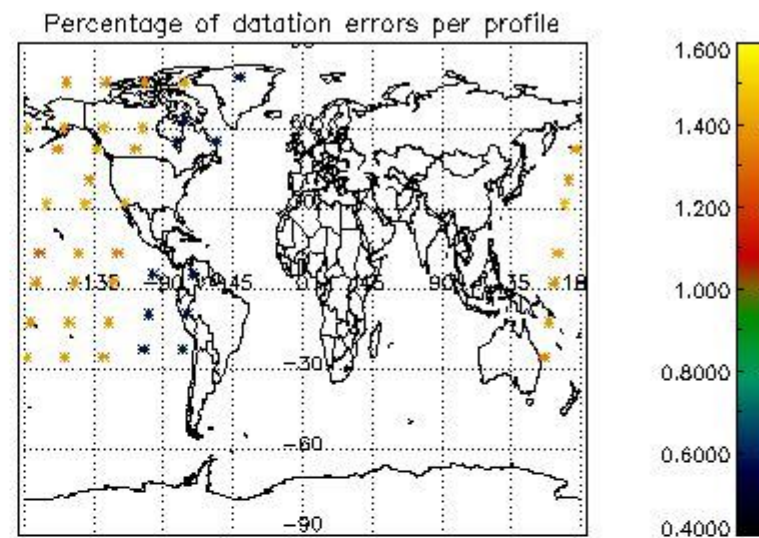
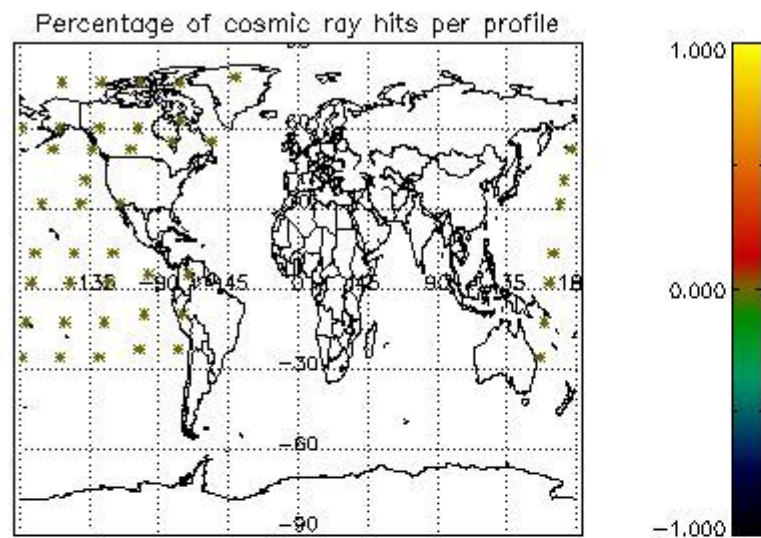
Percentage of star falling outside central band per profile



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

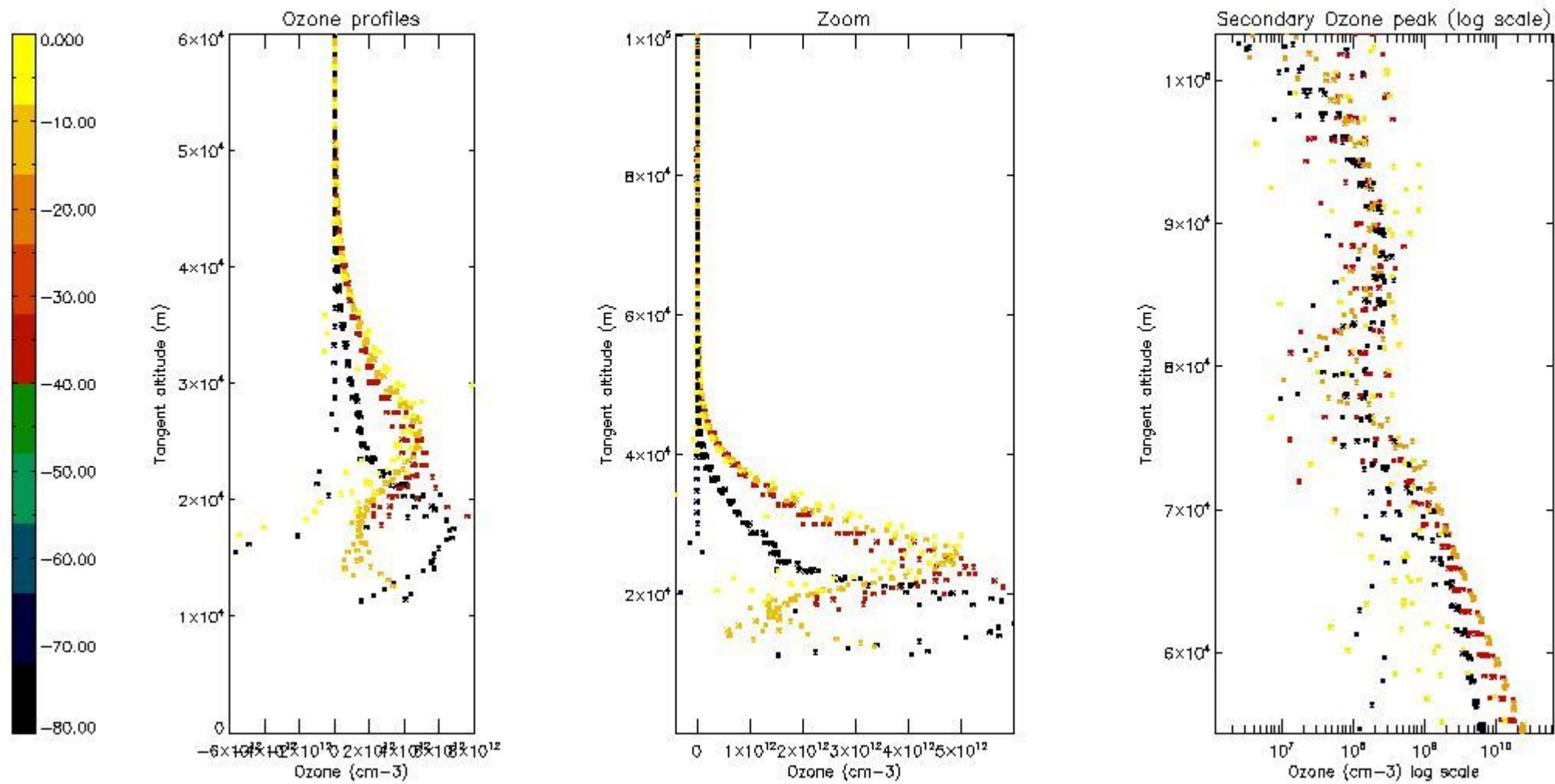
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	20
STD < 20	9

STD < 10	6
STD < 5	4

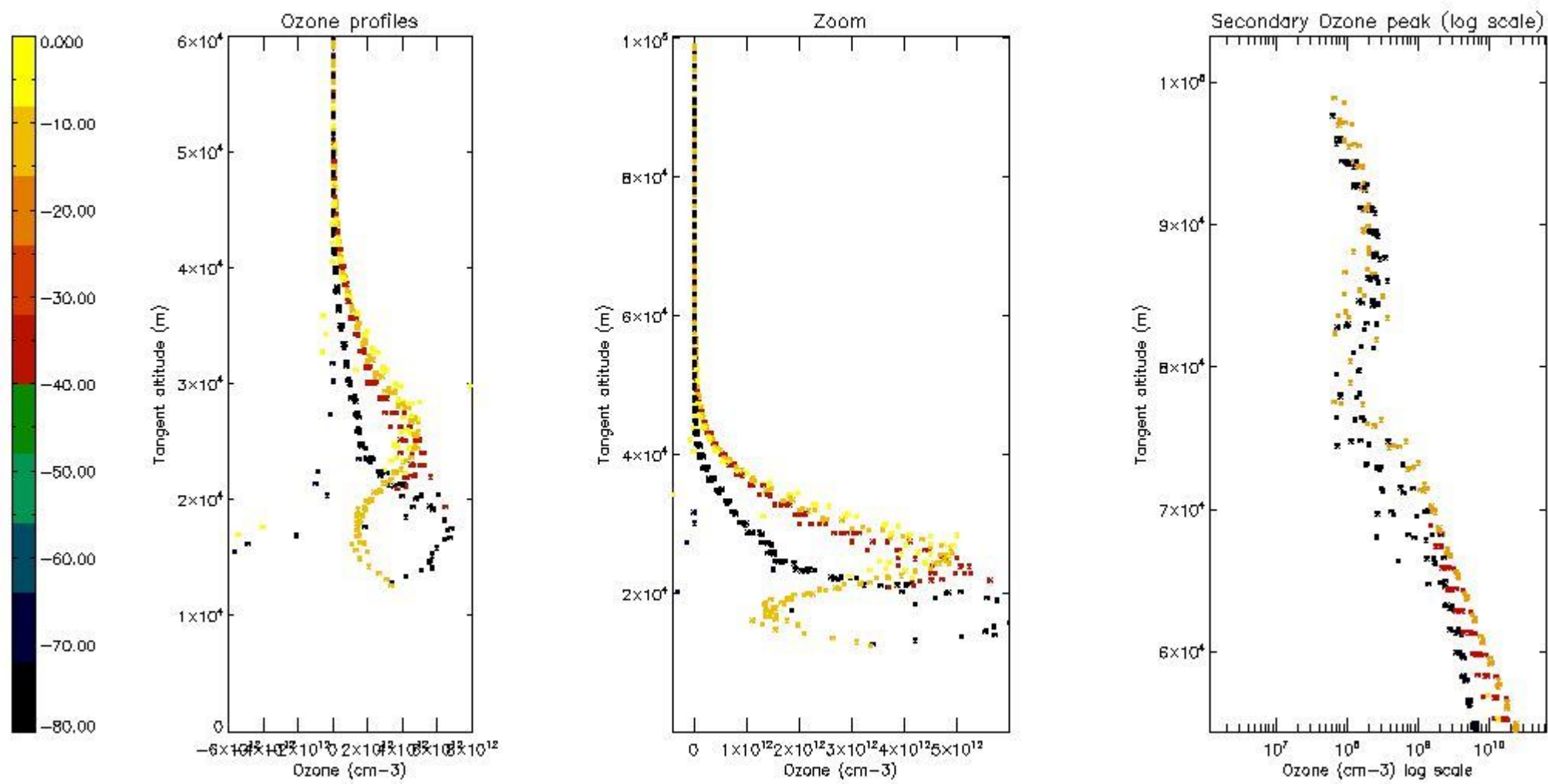
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



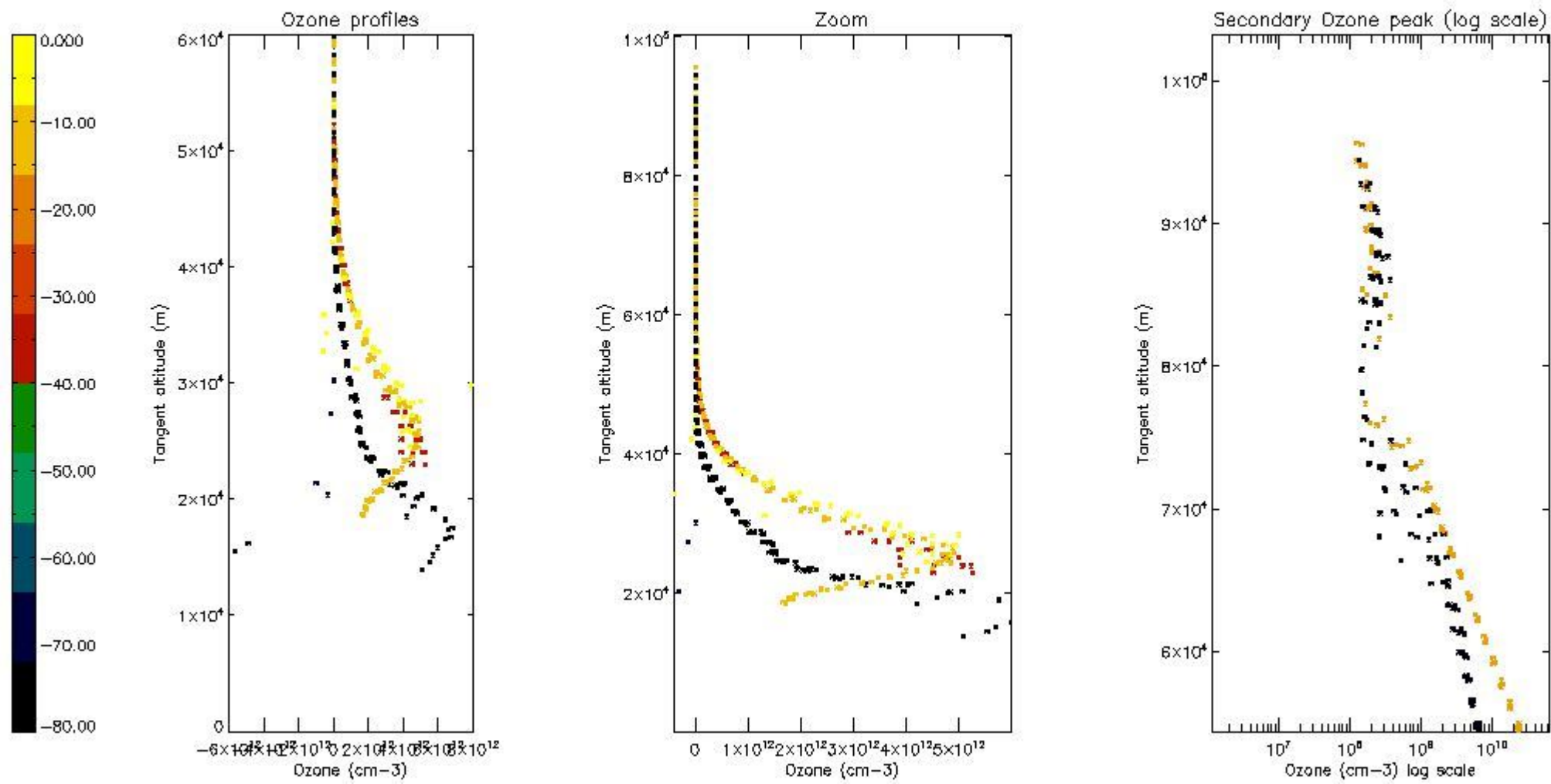
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



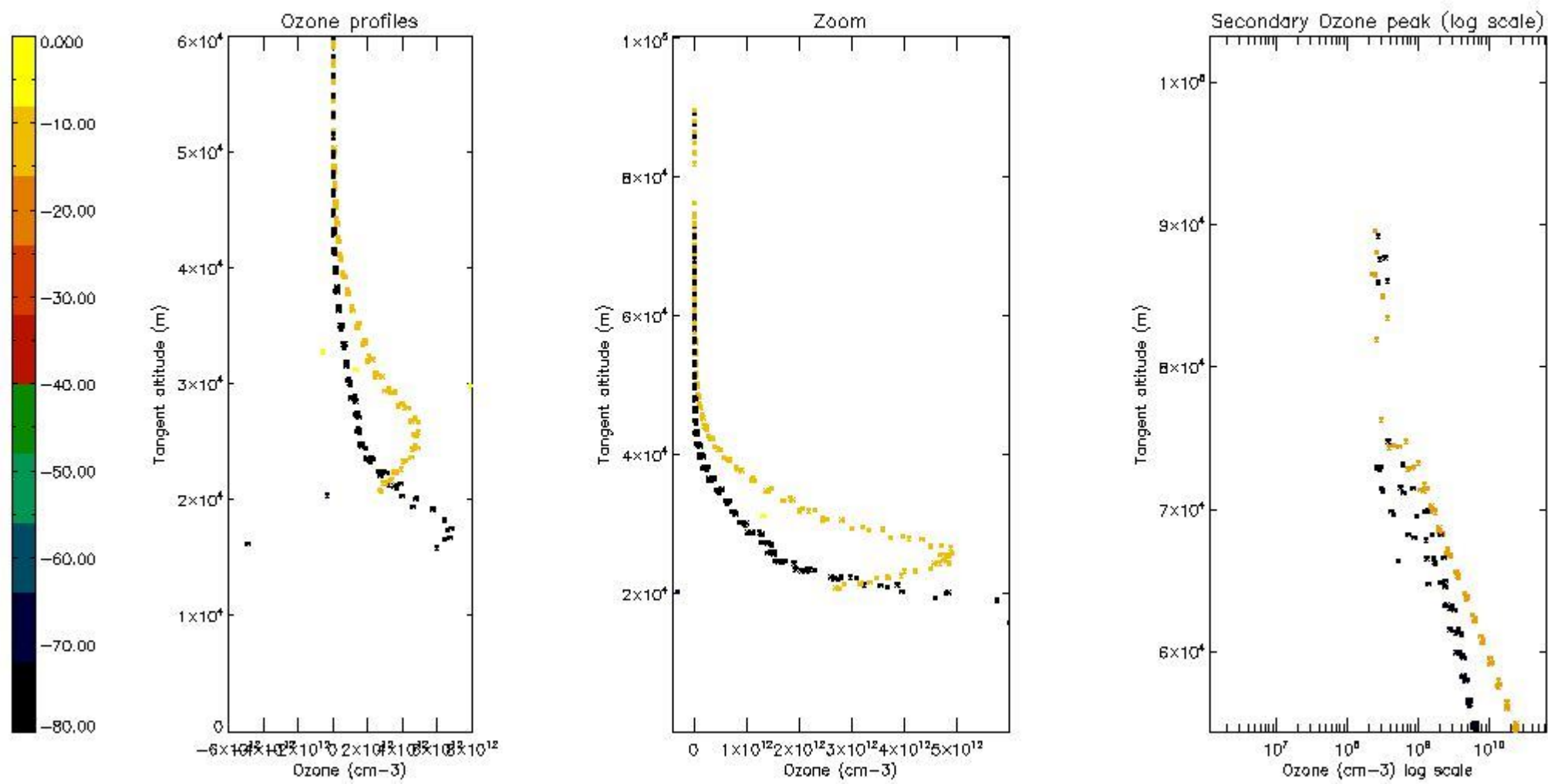
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



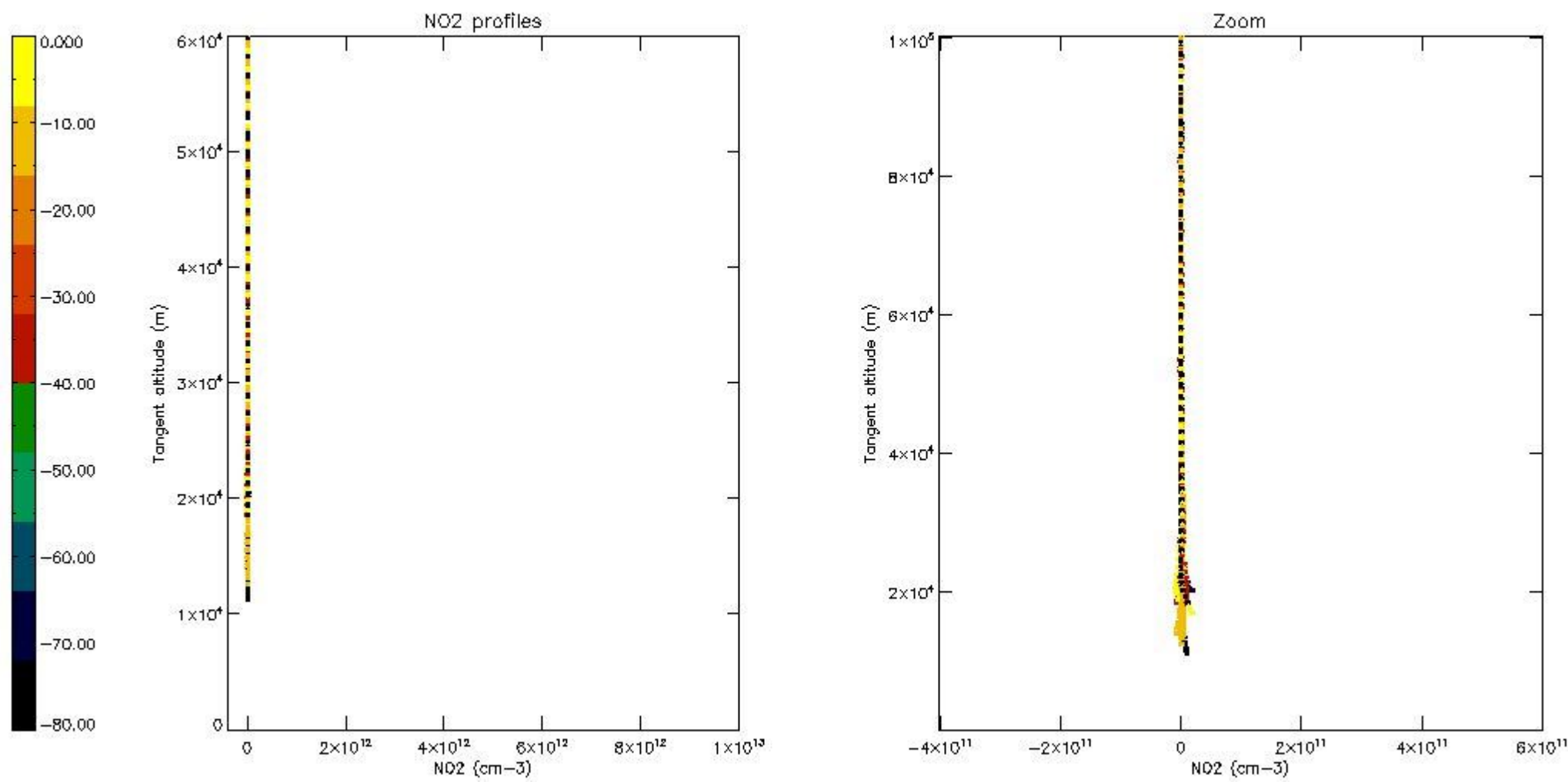
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



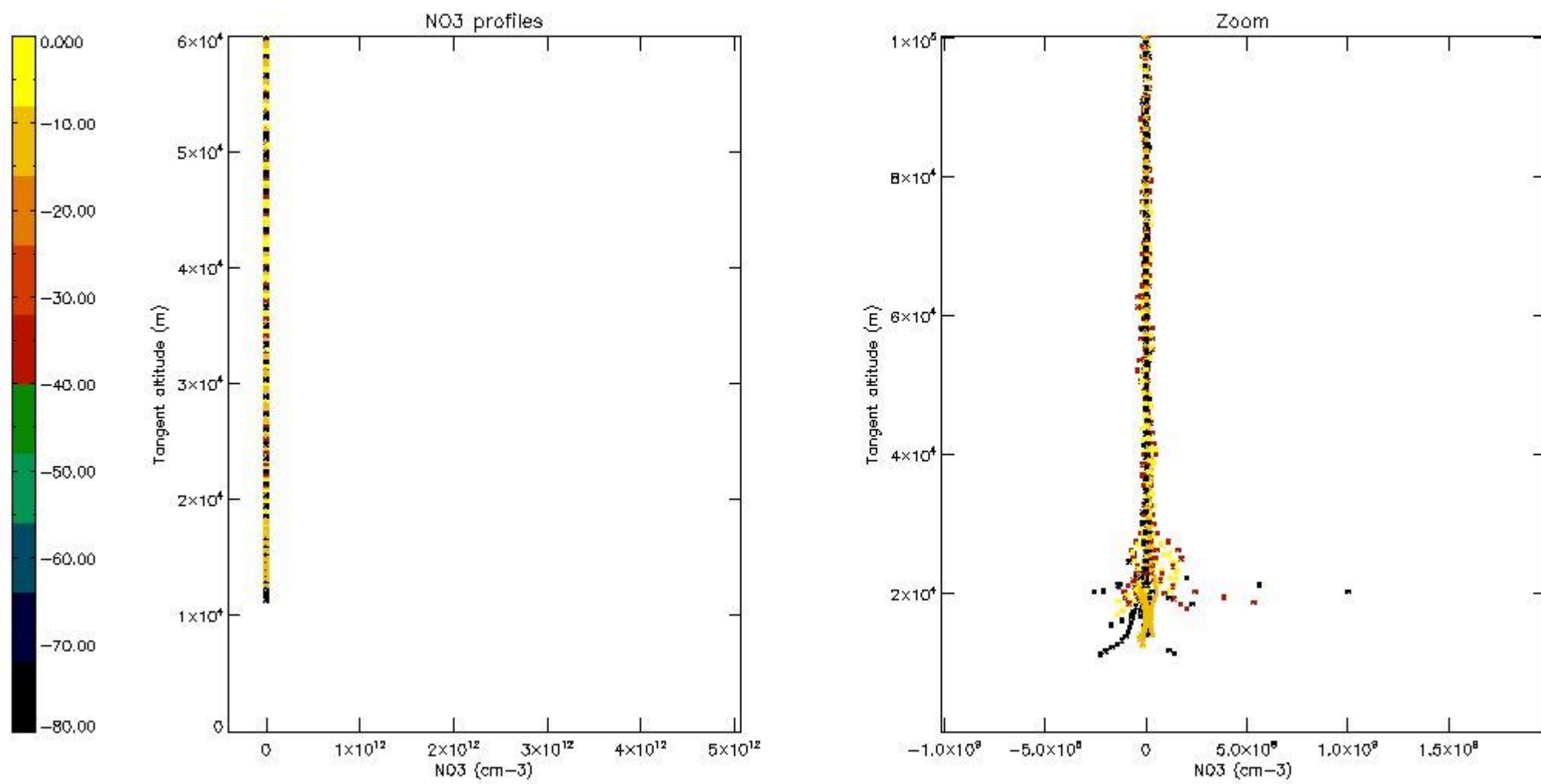
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



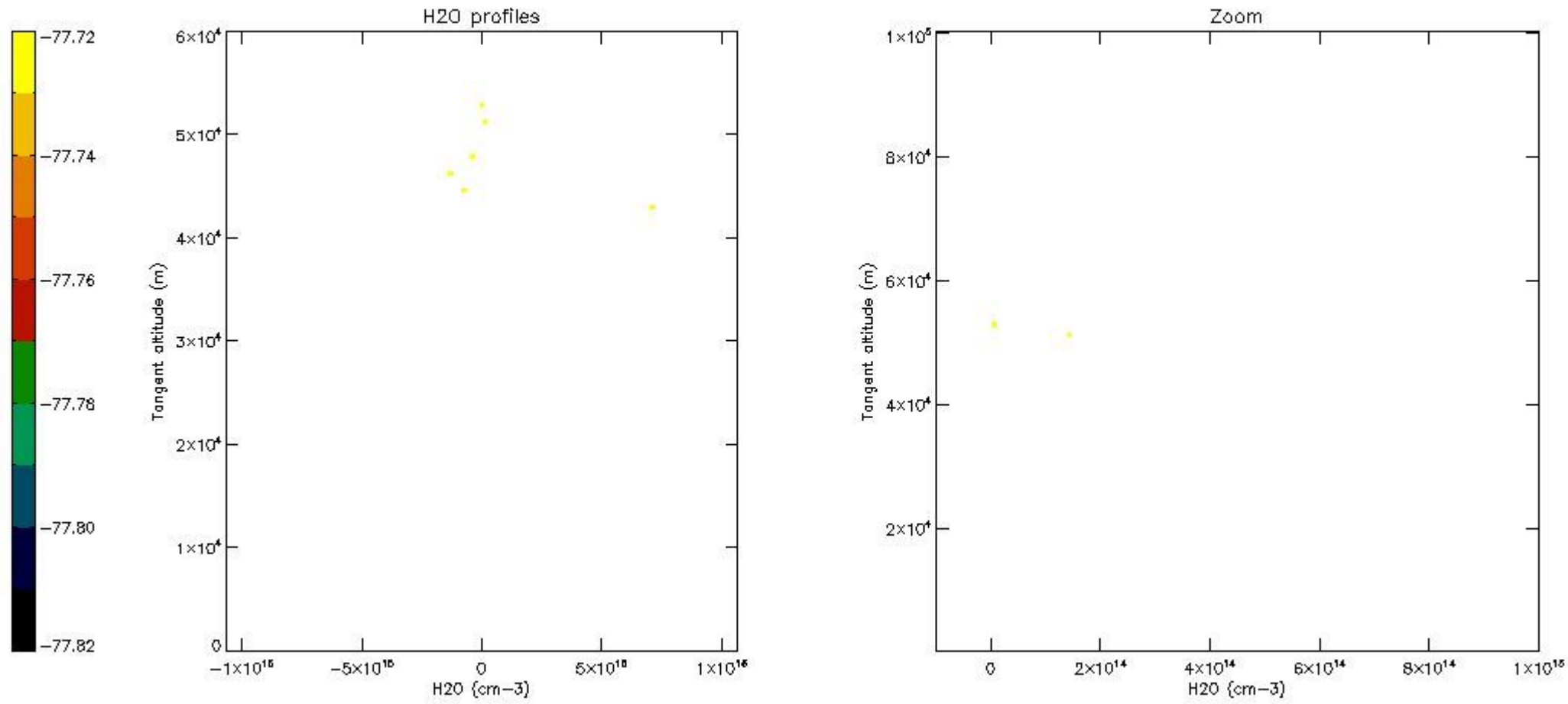
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

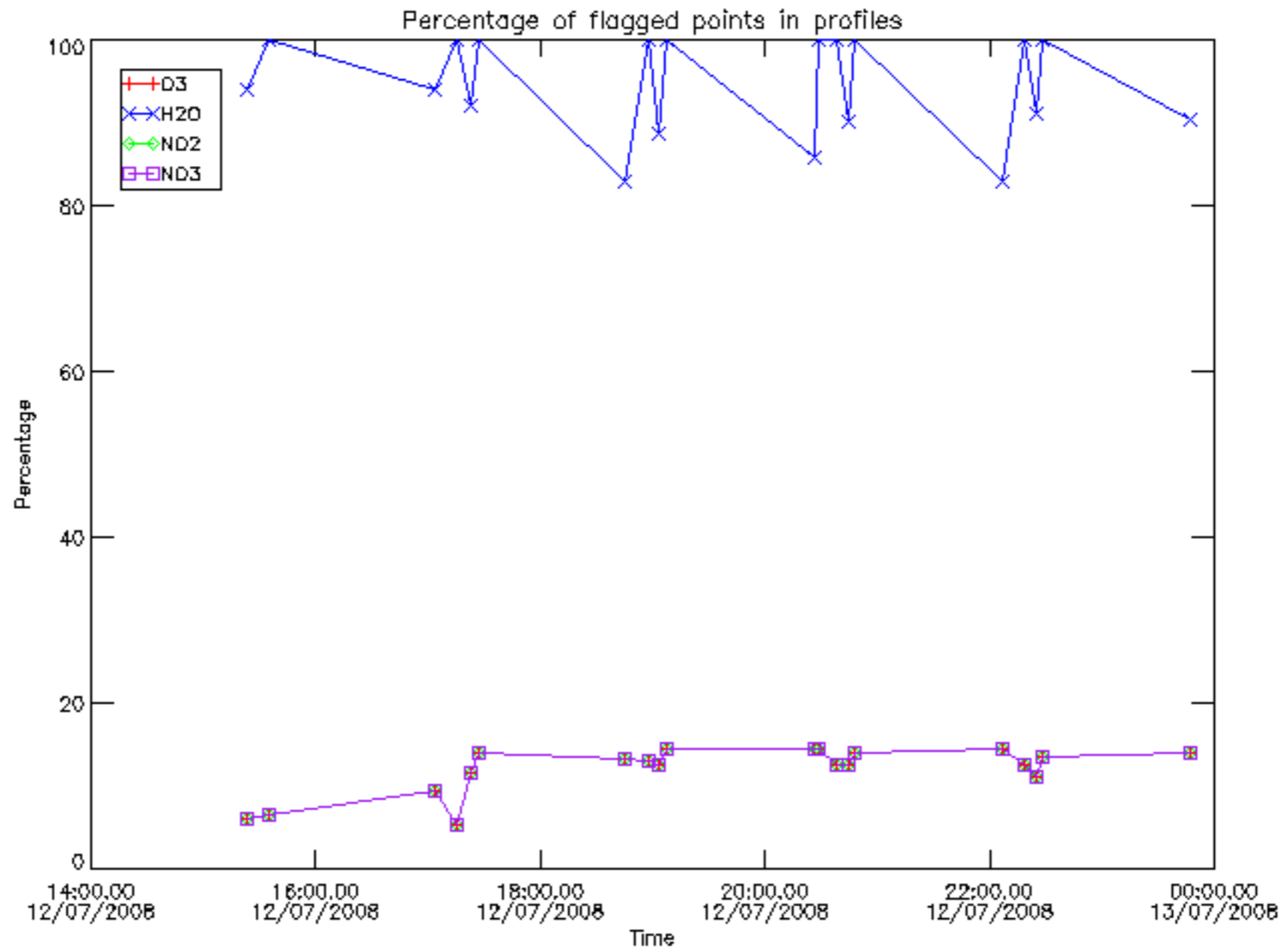
The colorbar represents the latitude.



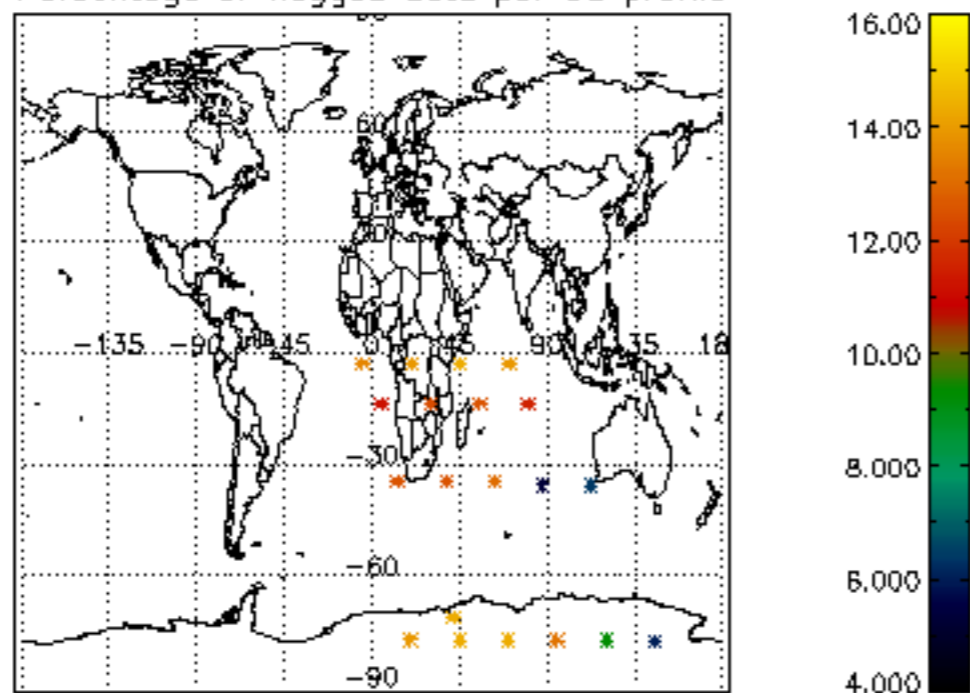
6. Auxiliary Data Files used for the production reported in section 2

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

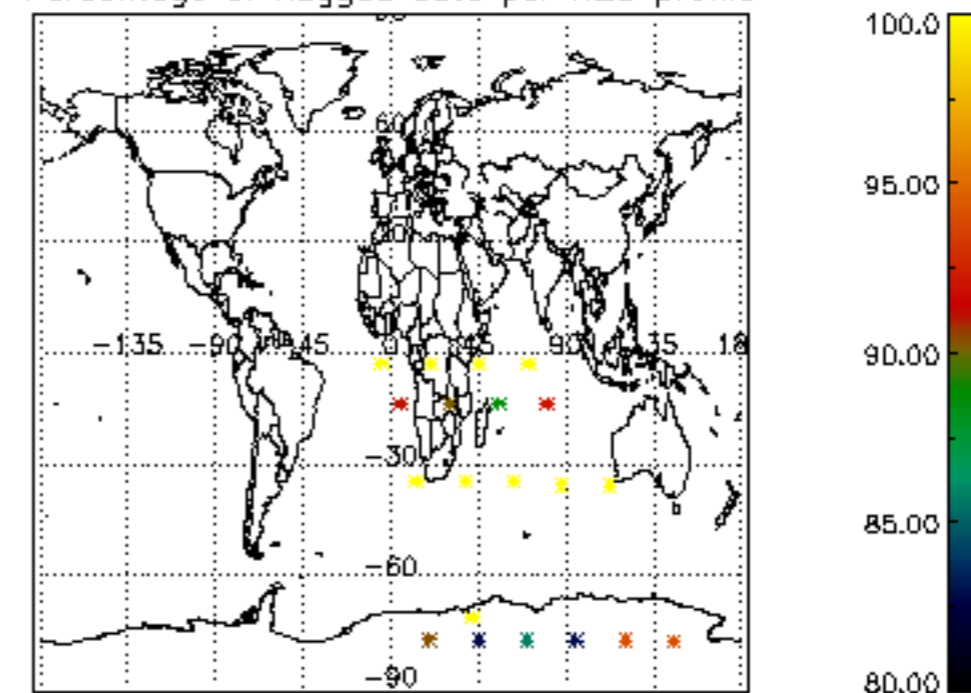
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	12-JUL-2008 14:08:21
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	12-JUL-2008 14:08:21
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	12-JUL-2008 14:08:21



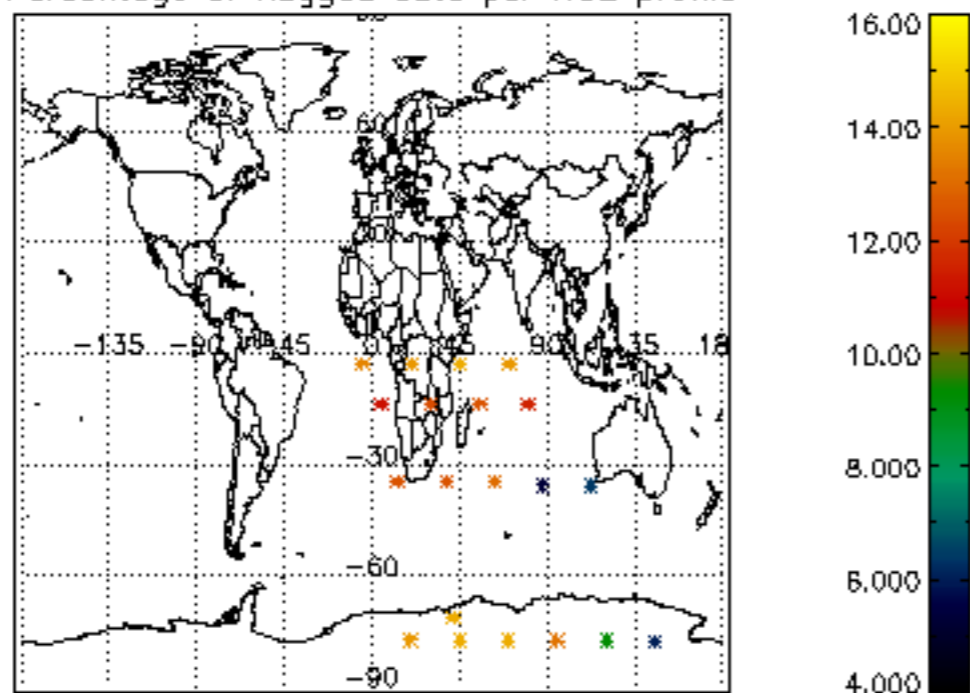
Percentage of flagged data per D3 profile



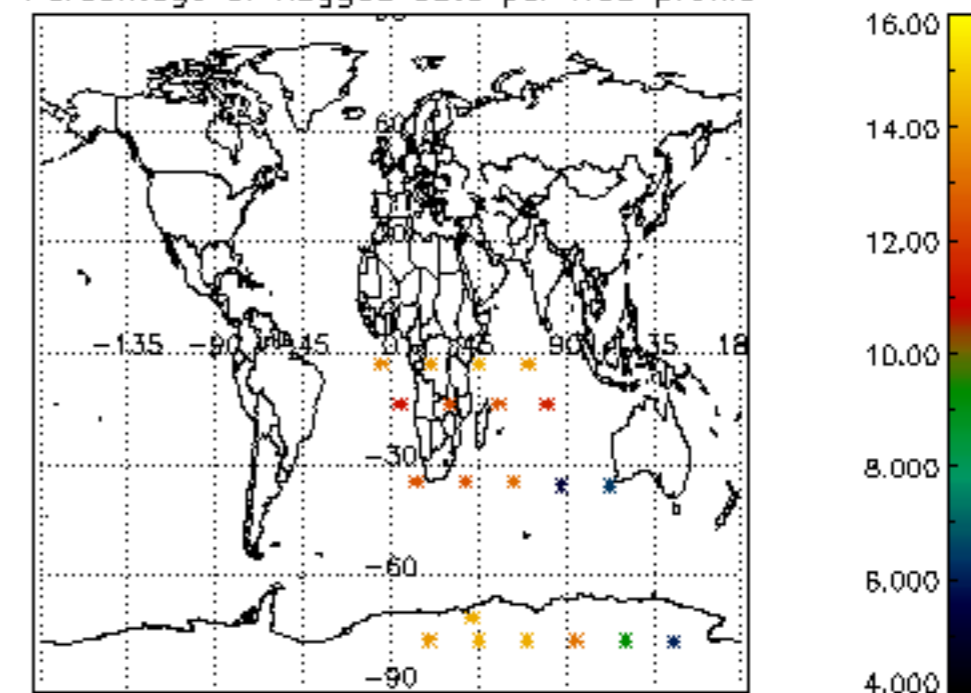
Percentage of flagged data per H2O profile

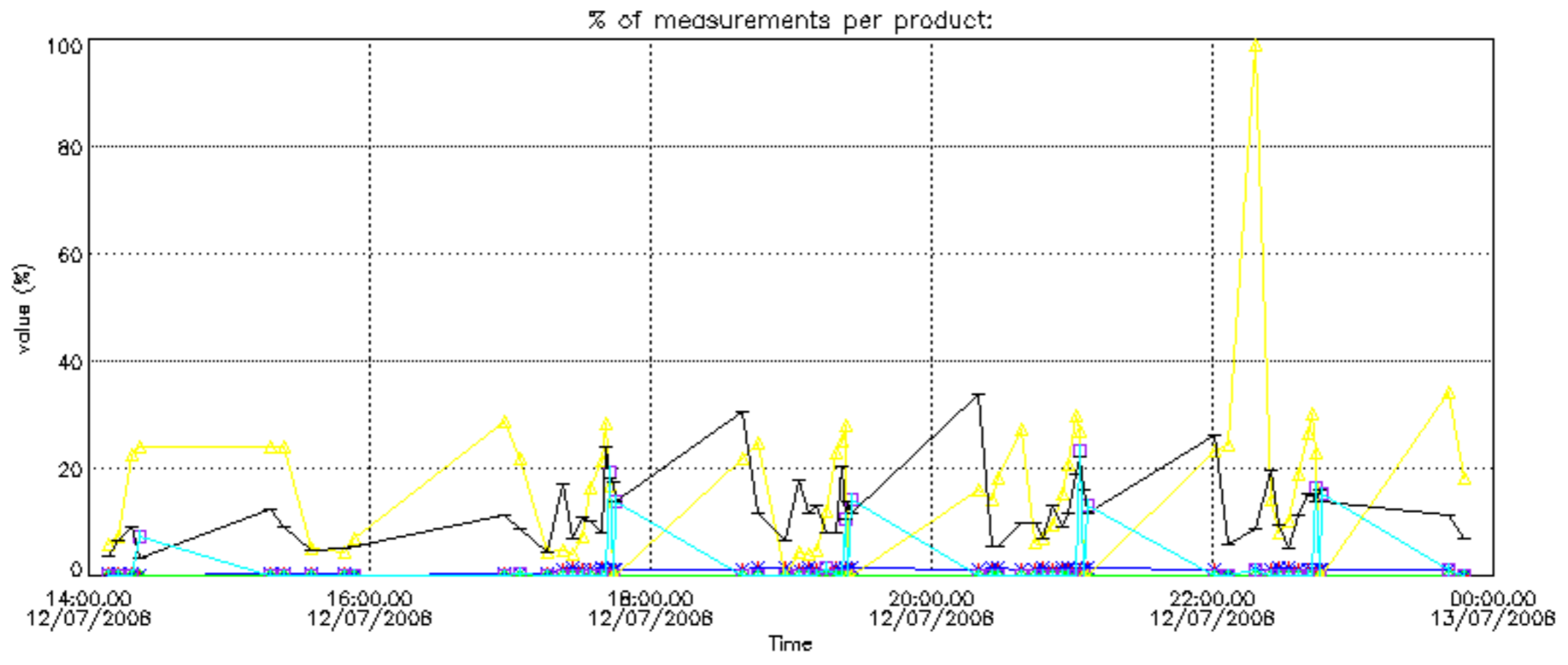


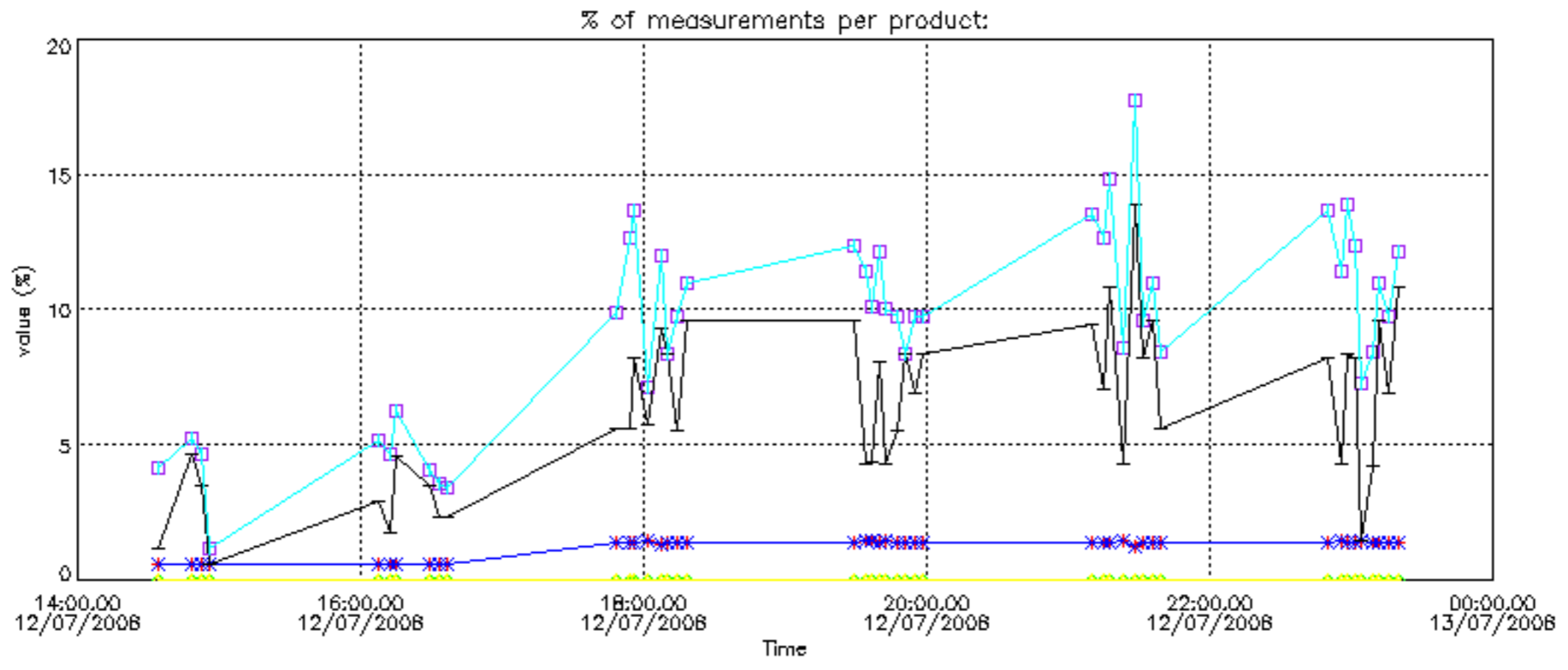
Percentage of flagged data per NO2 profile



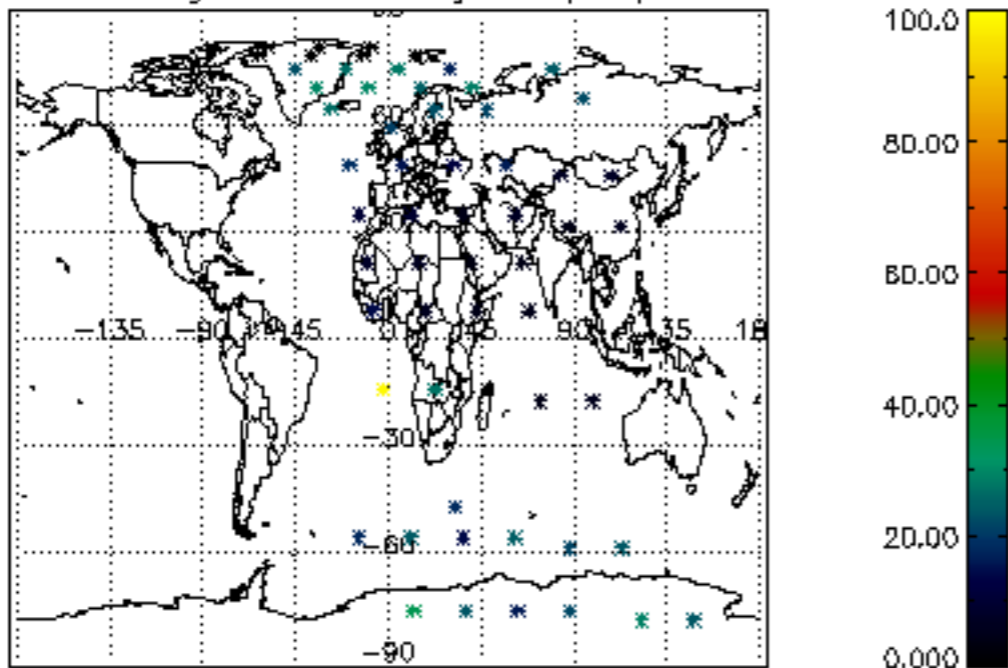
Percentage of flagged data per NO3 profile



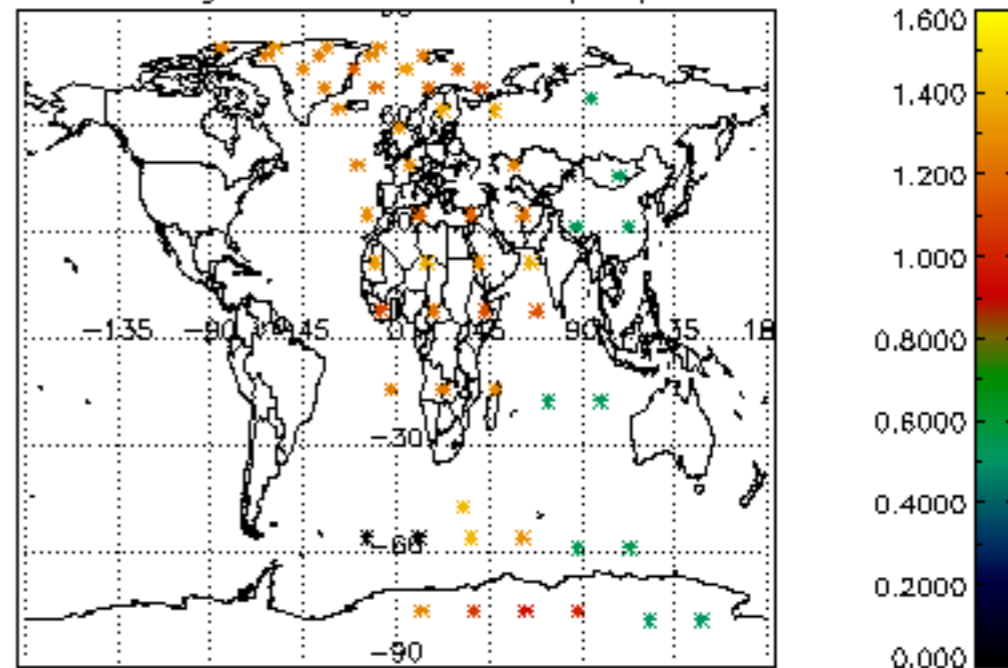




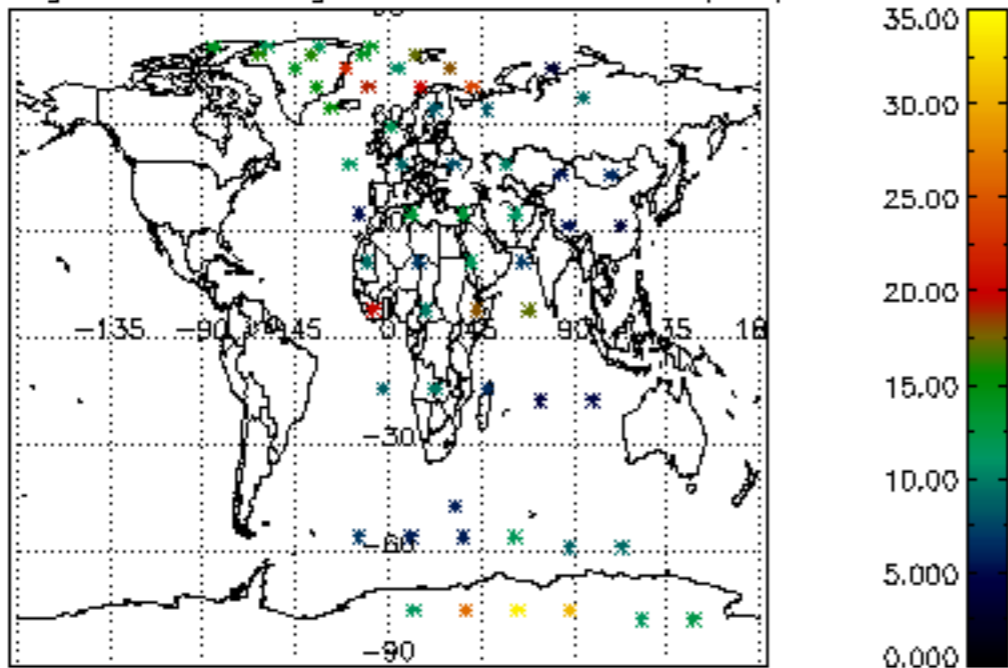
Percentage of cosmic ray hits per profile



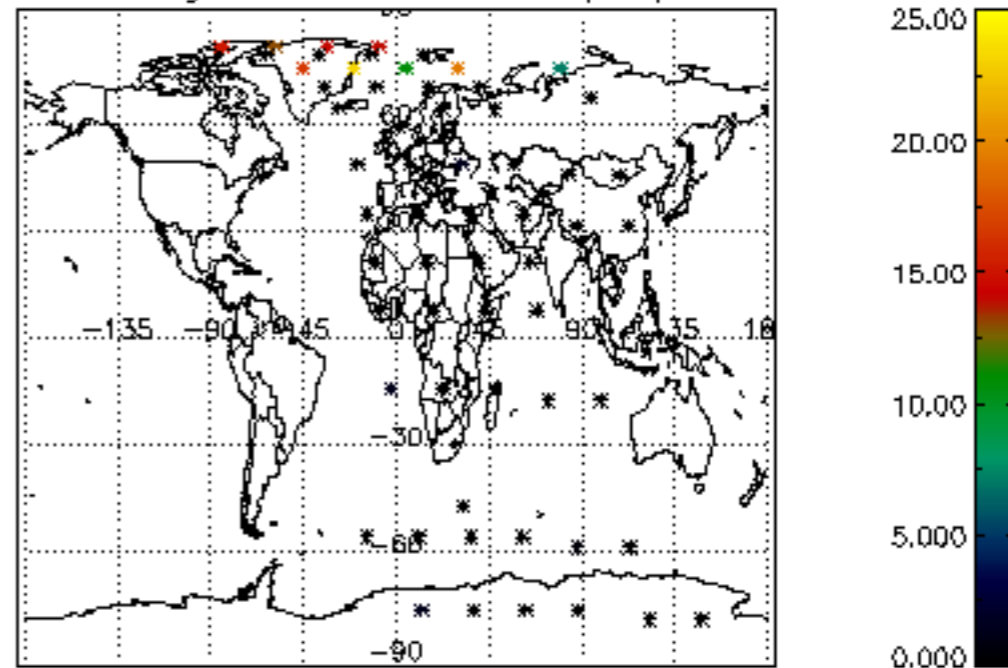
Percentage of datation errors per profile



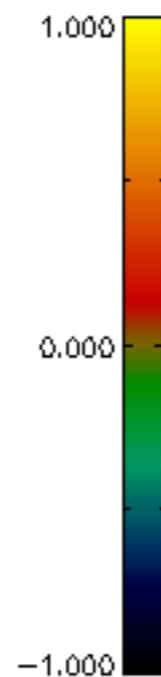
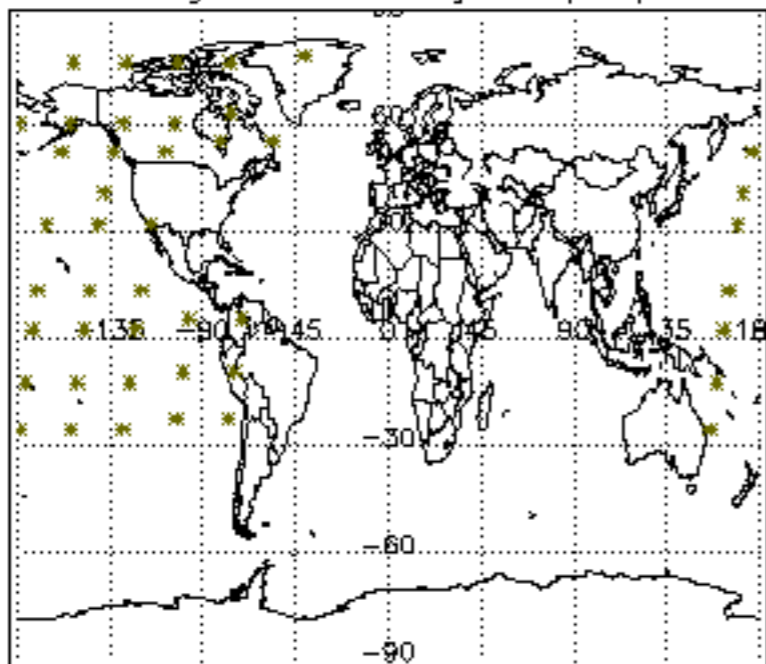
Percentage of star falling outside central band per profile



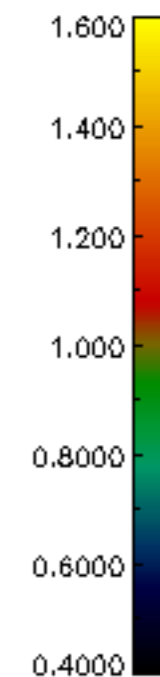
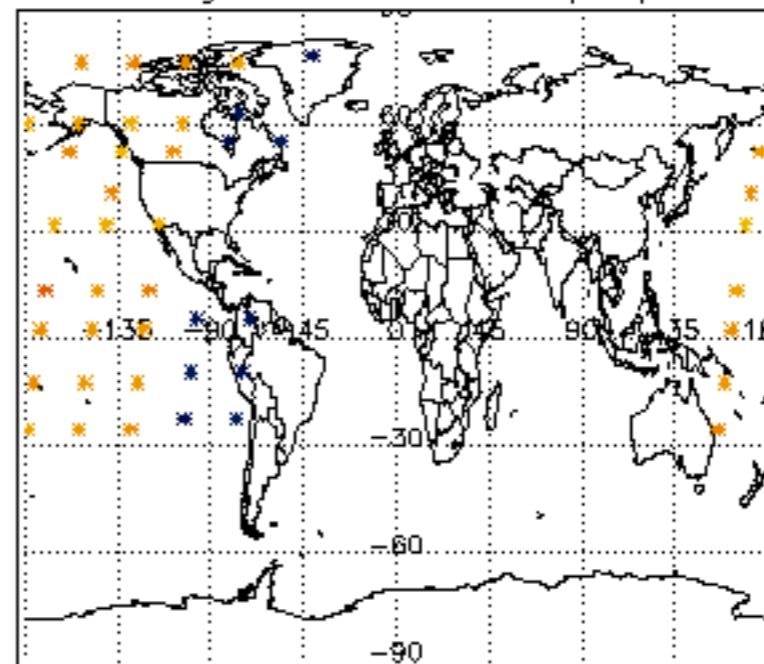
Percentage of saturation errors per profile



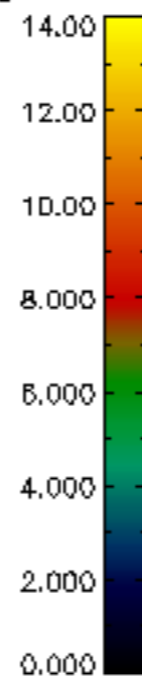
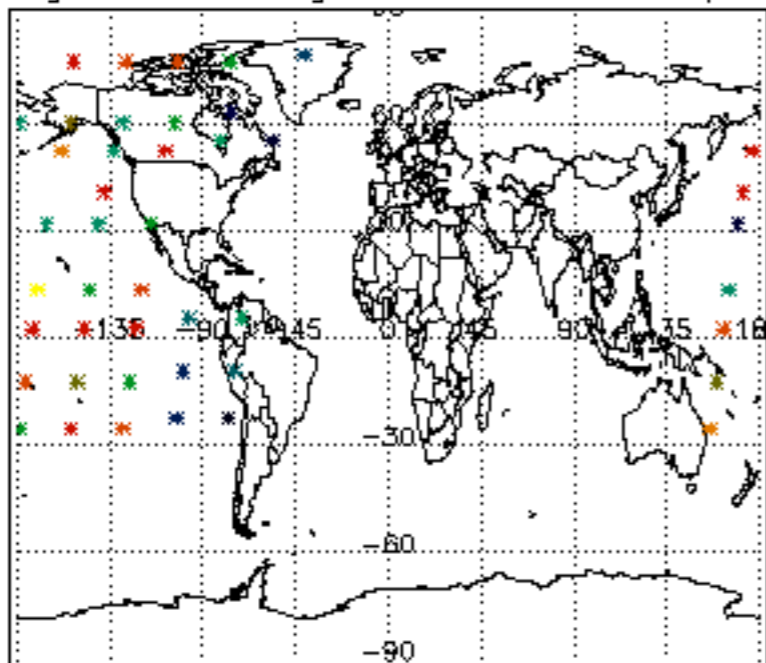
Percentage of cosmic ray hits per profile



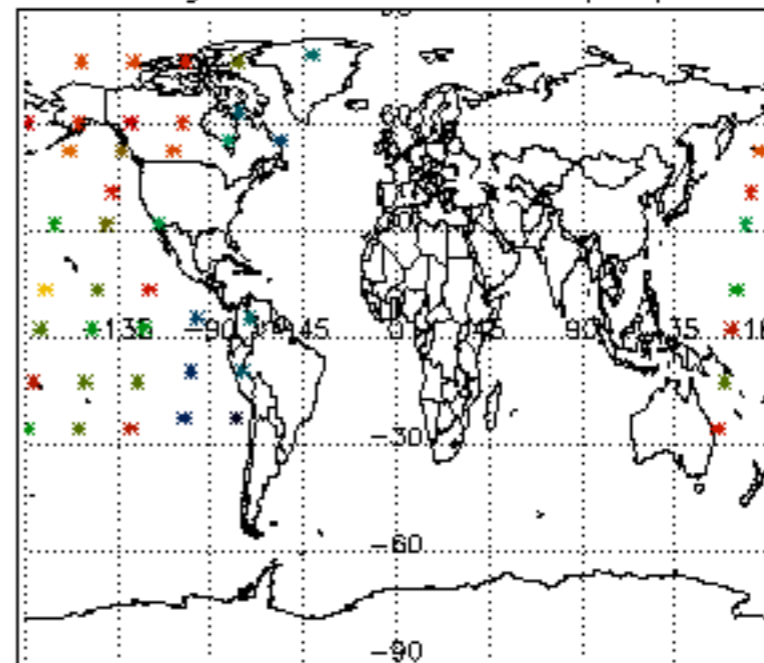
Percentage of datation errors per profile

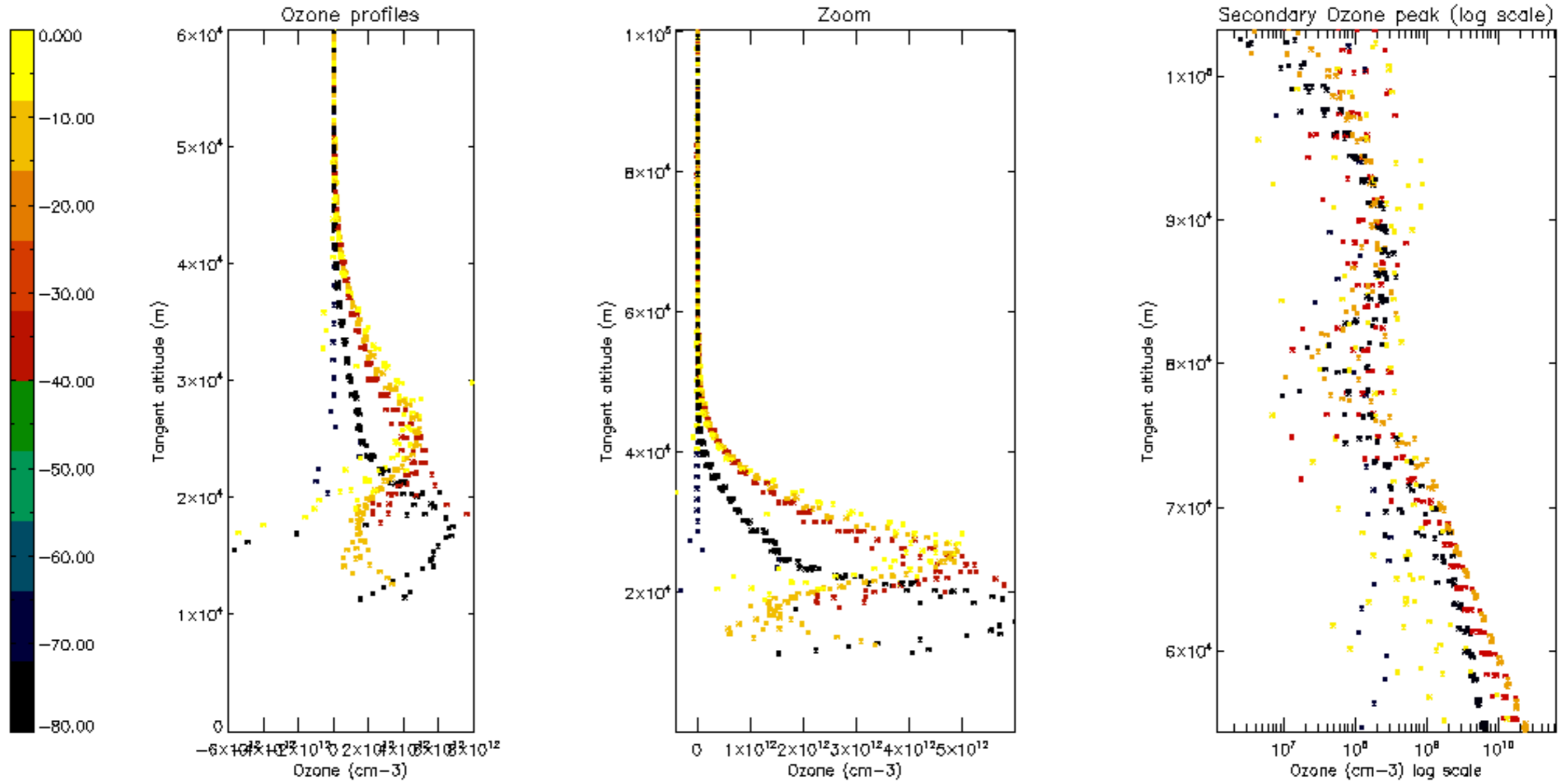


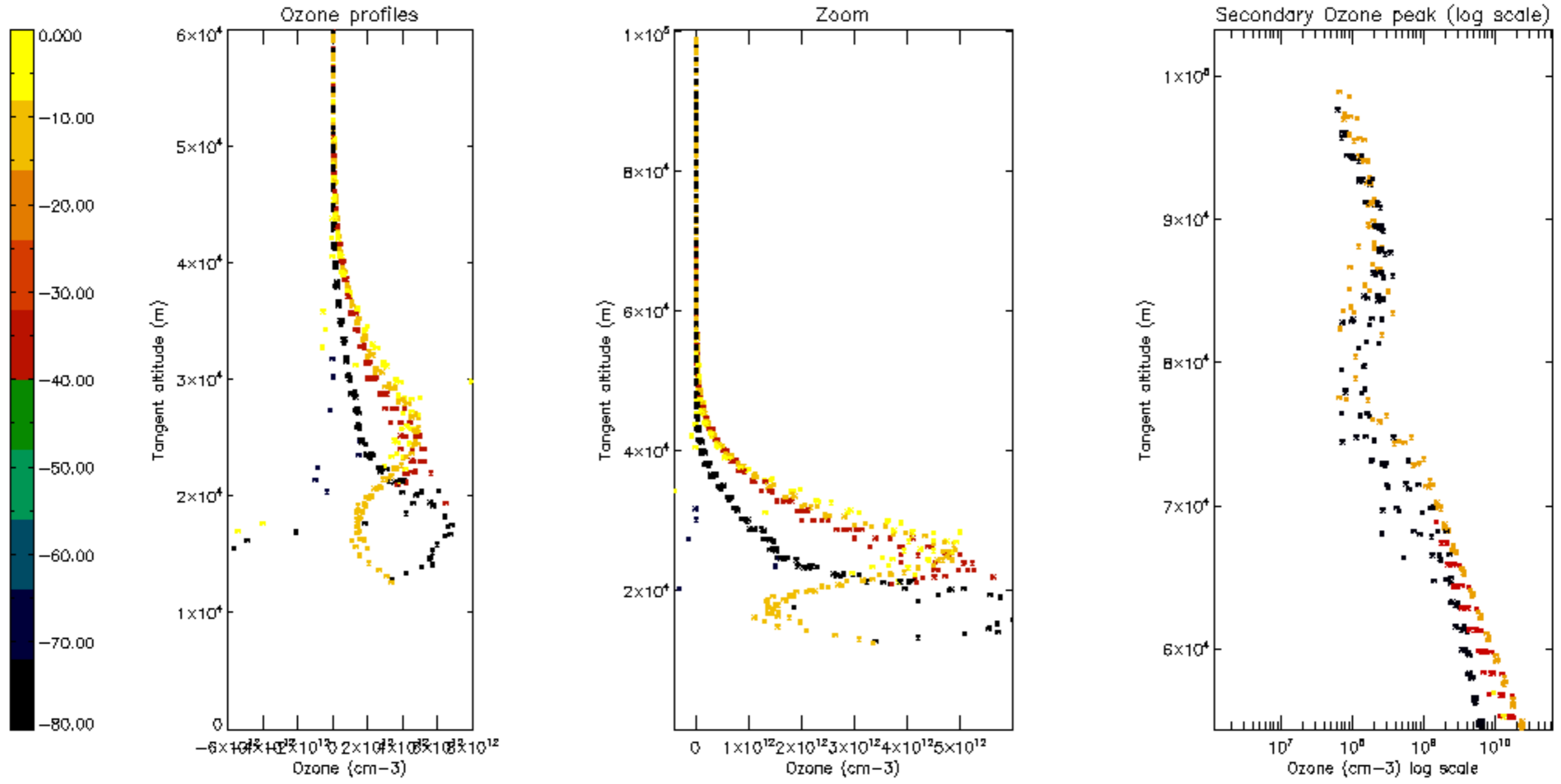
Percentage of star falling outside central band per profile

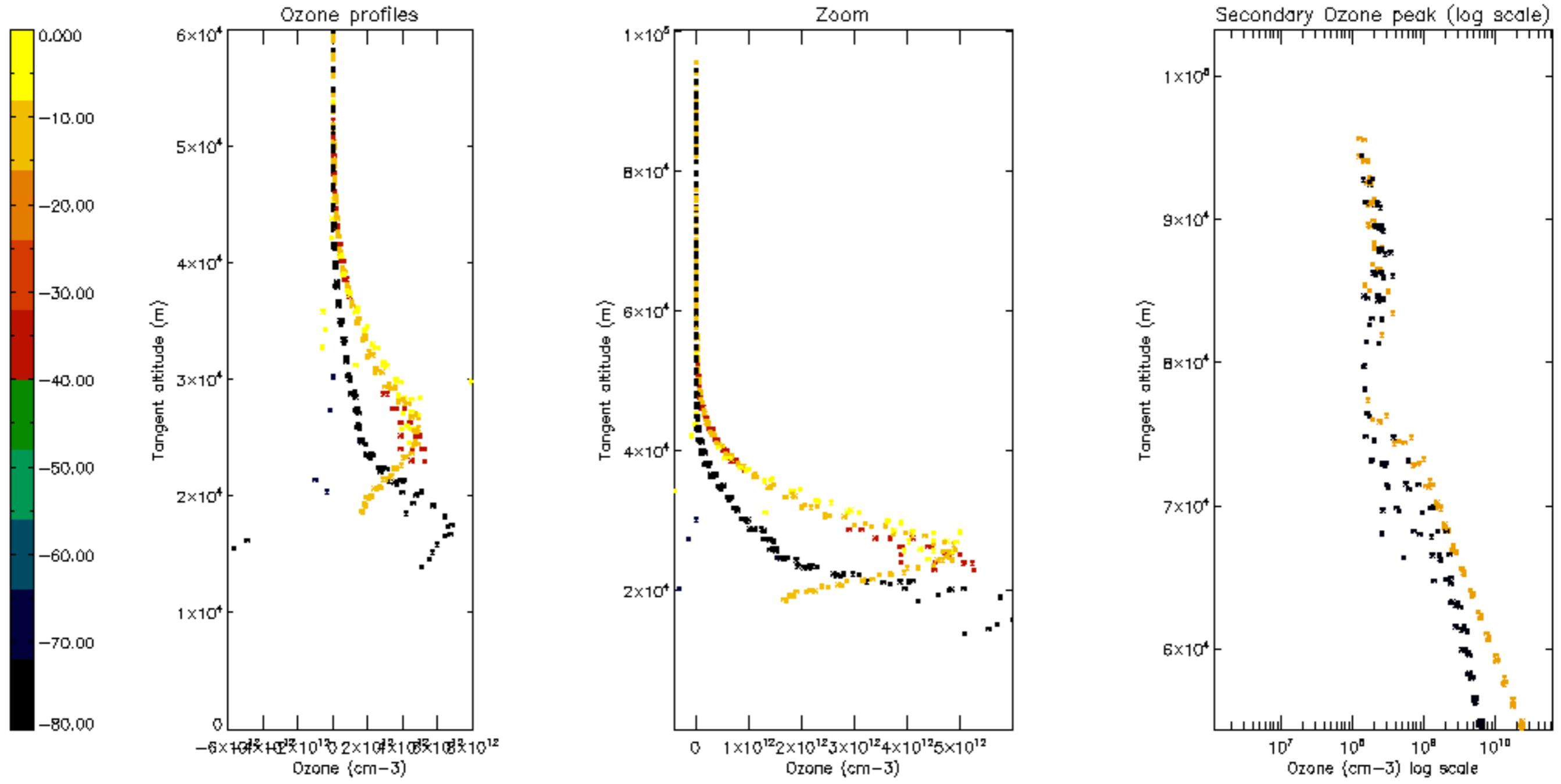


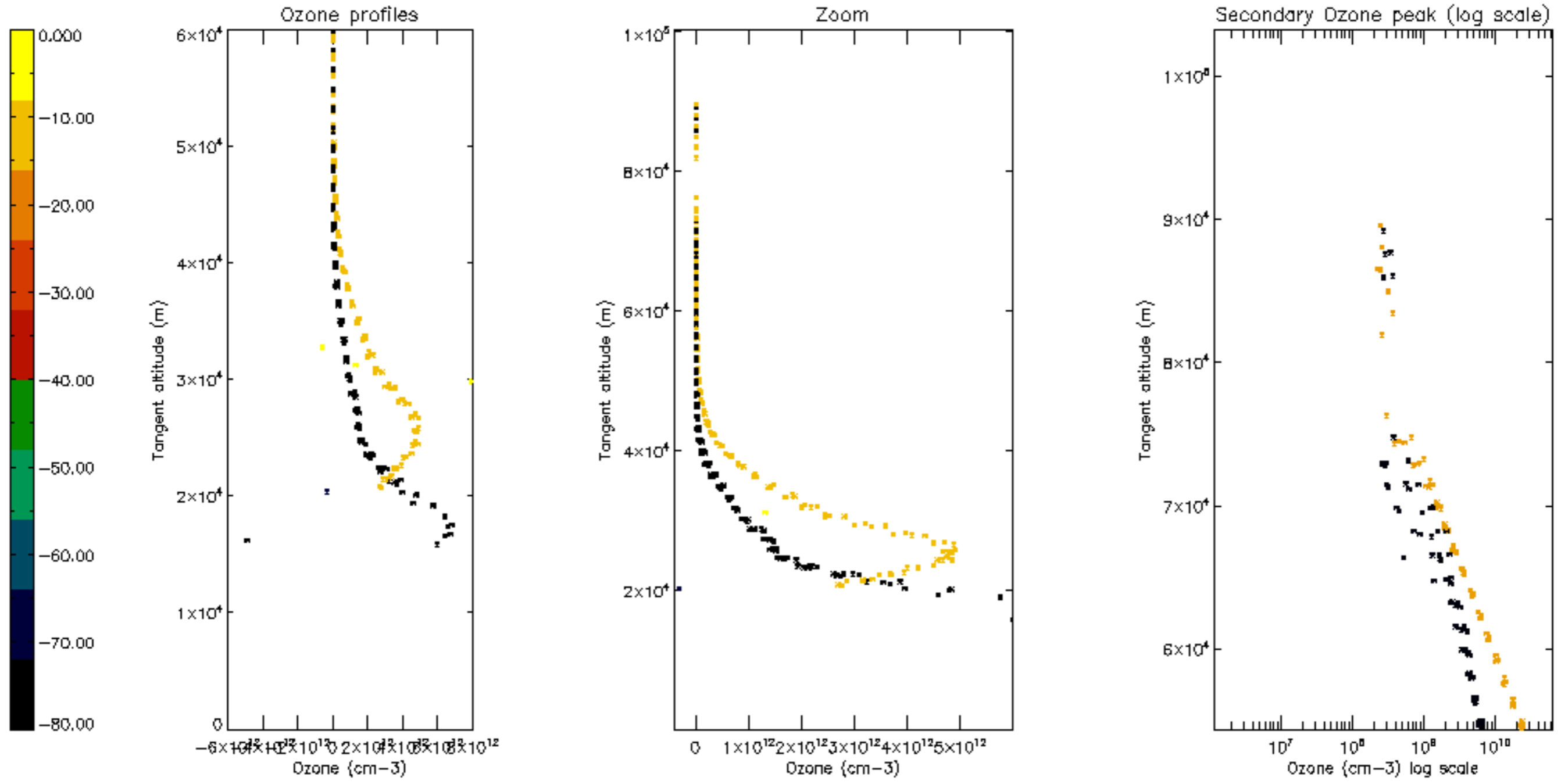
Percentage of saturation errors per profile

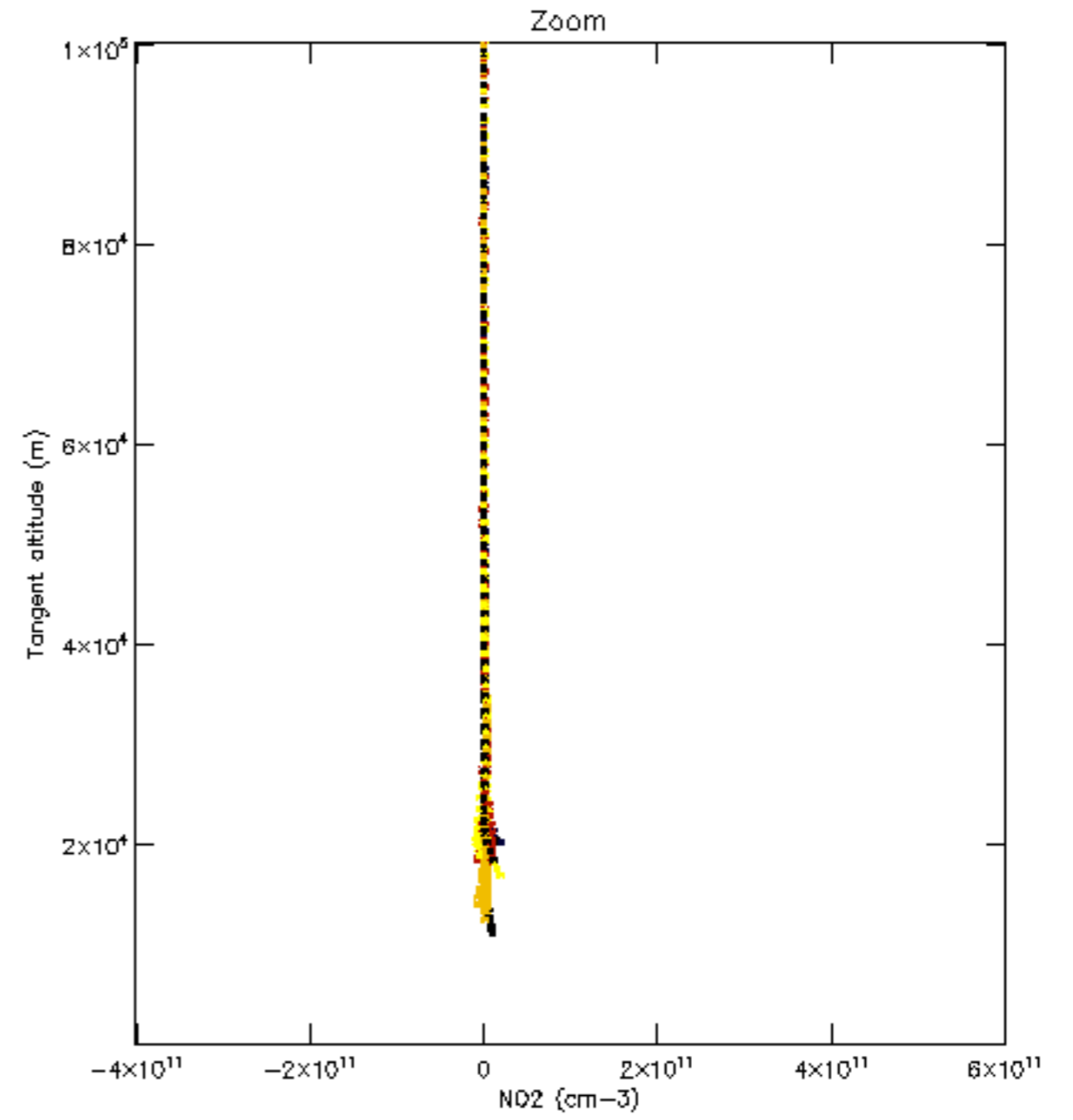
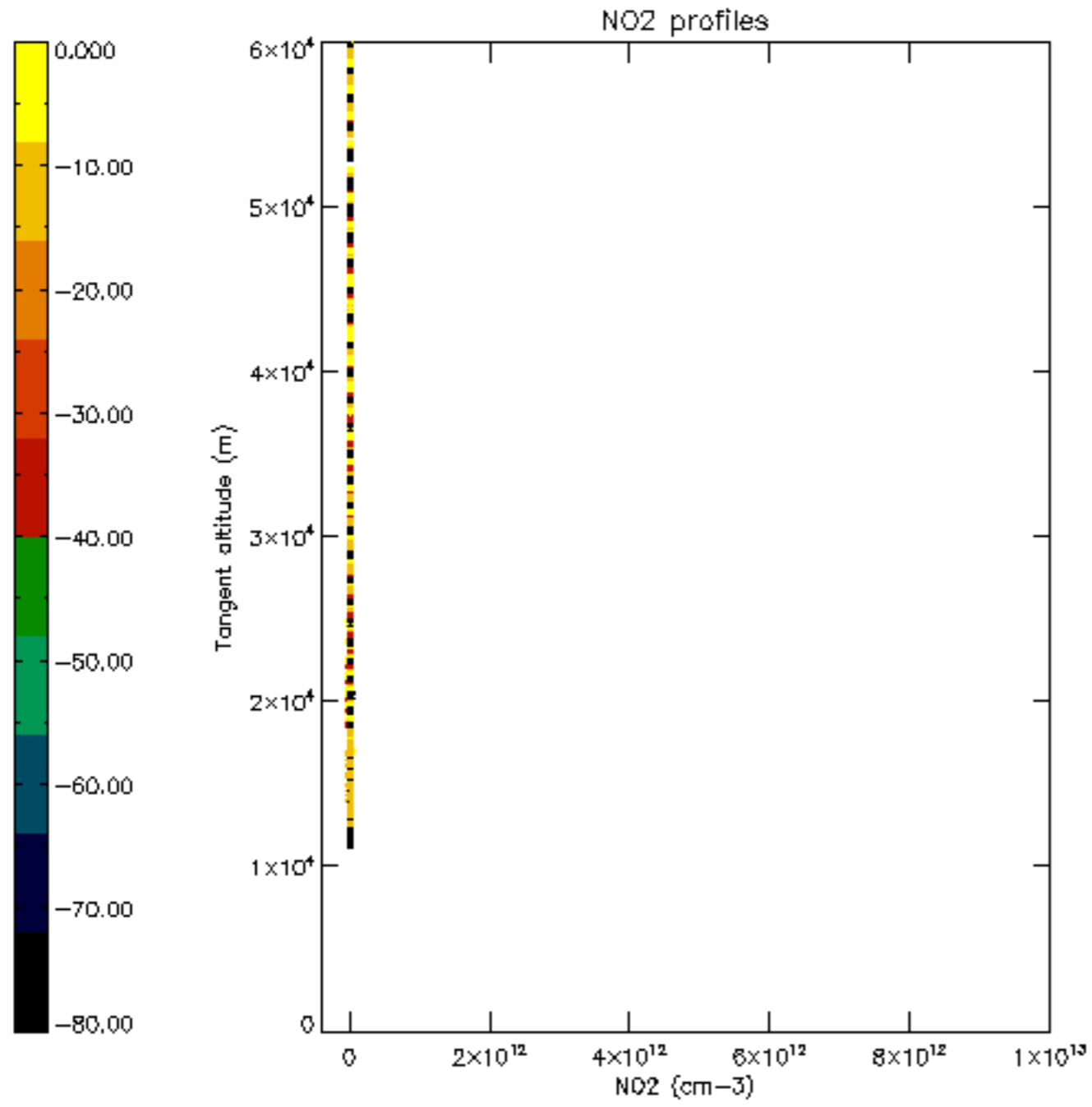


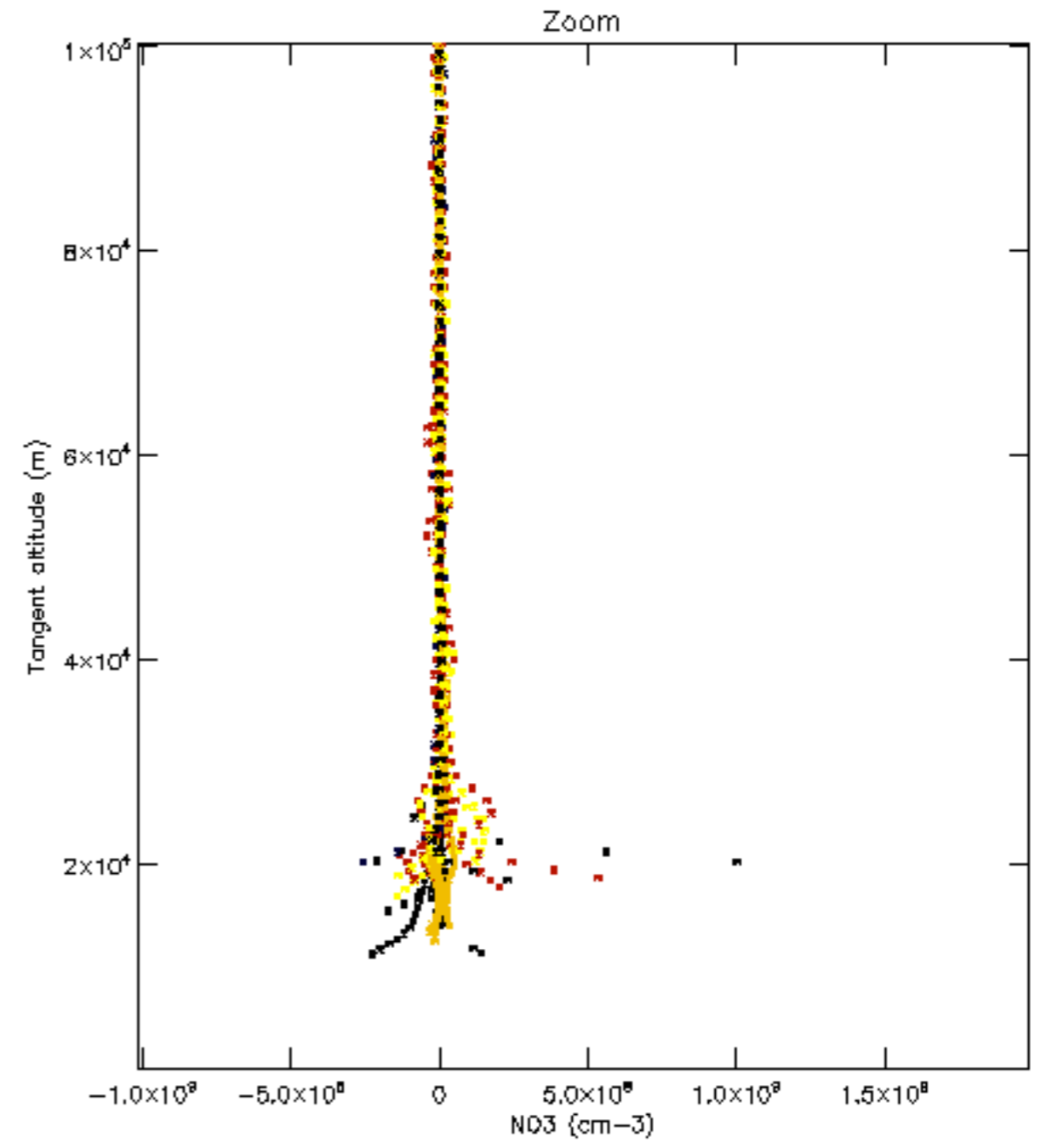
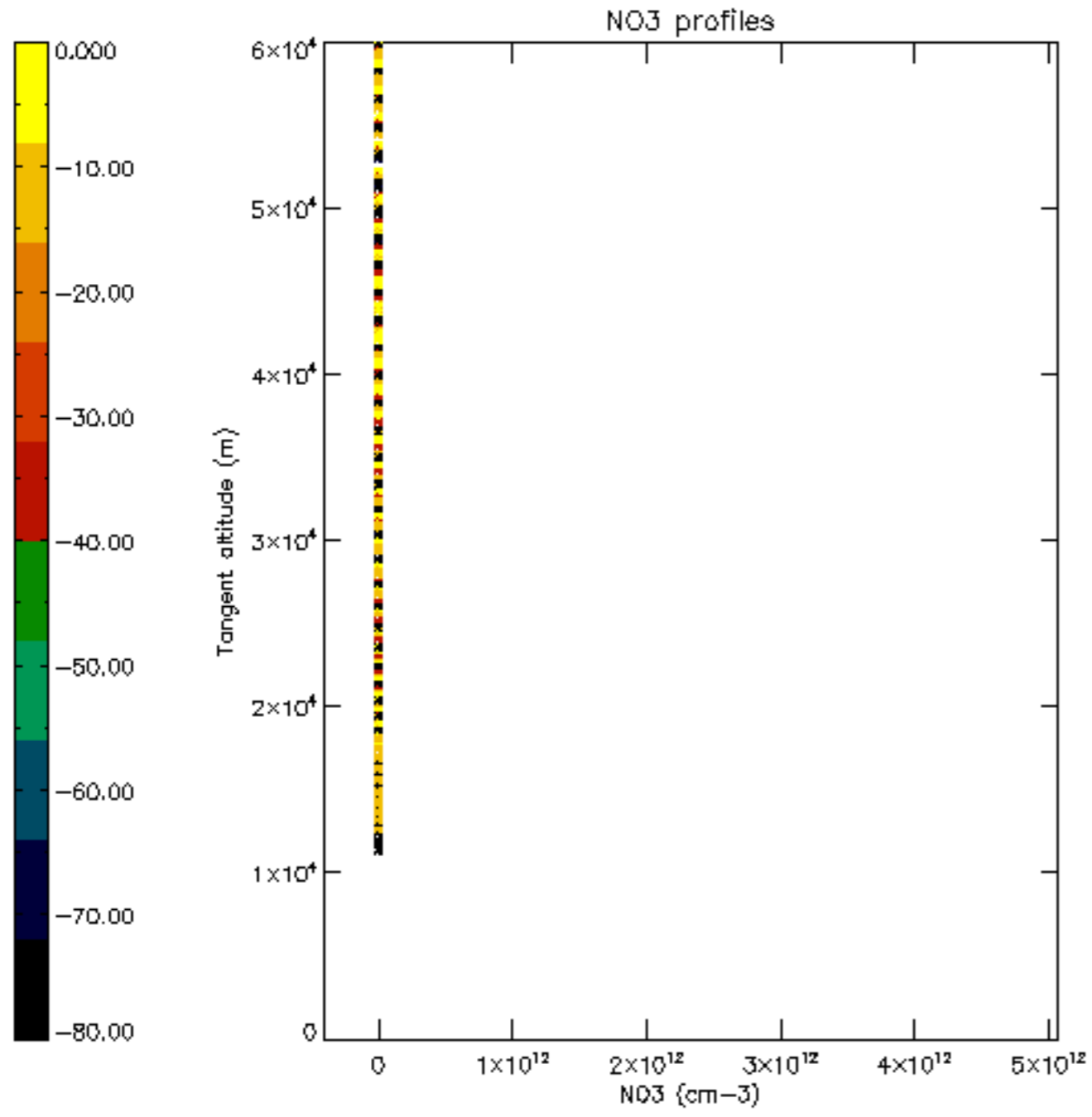


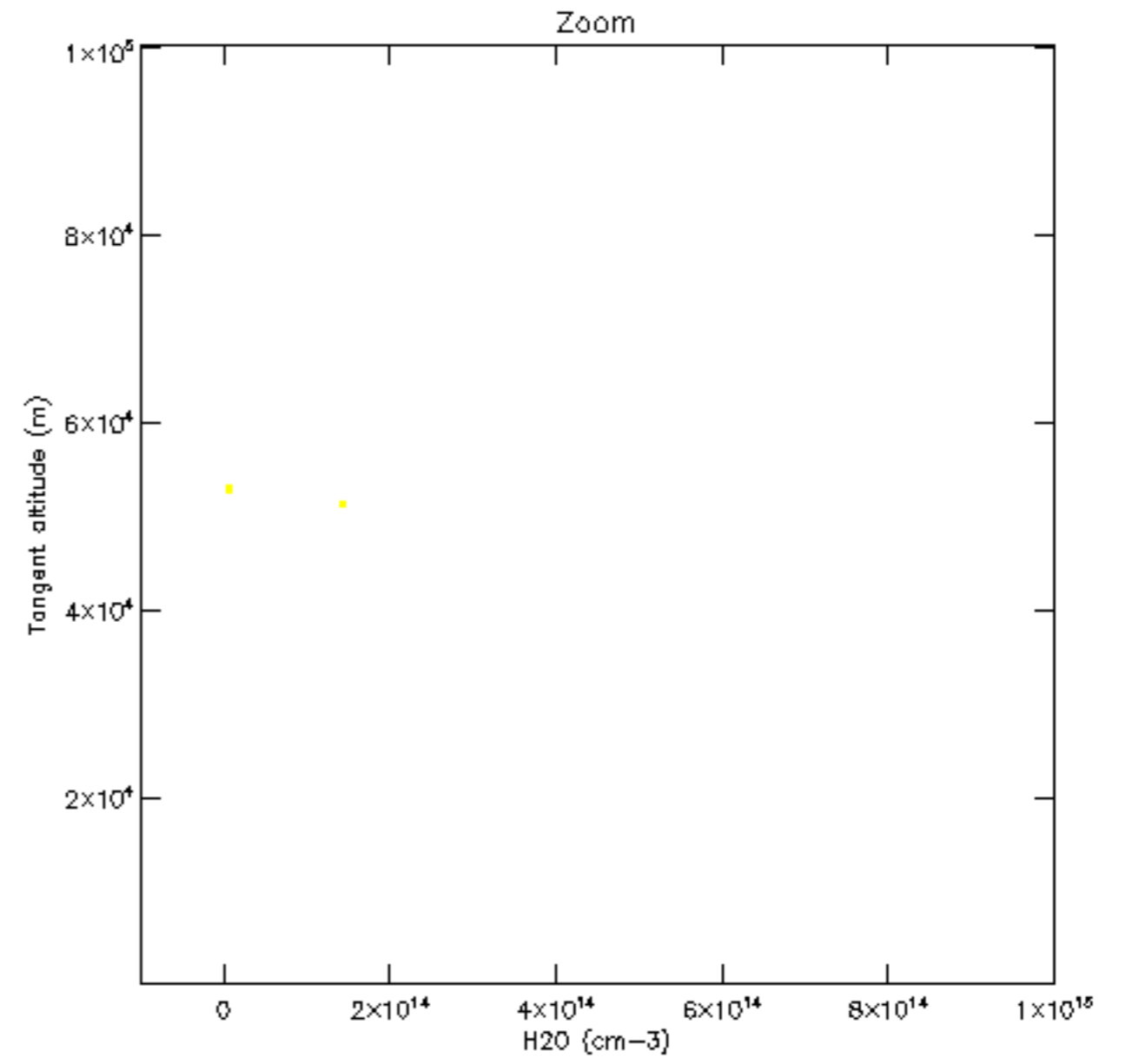
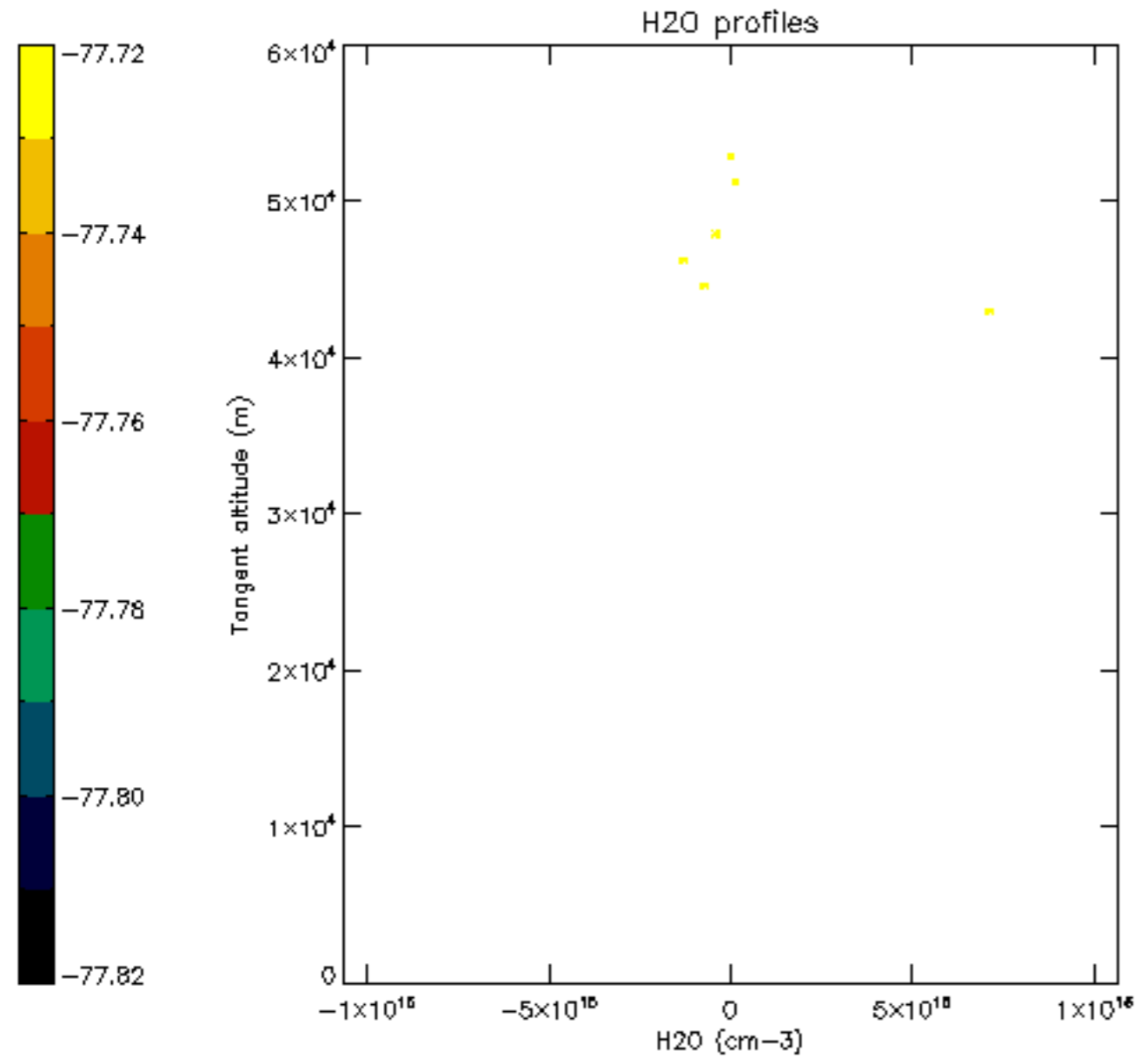


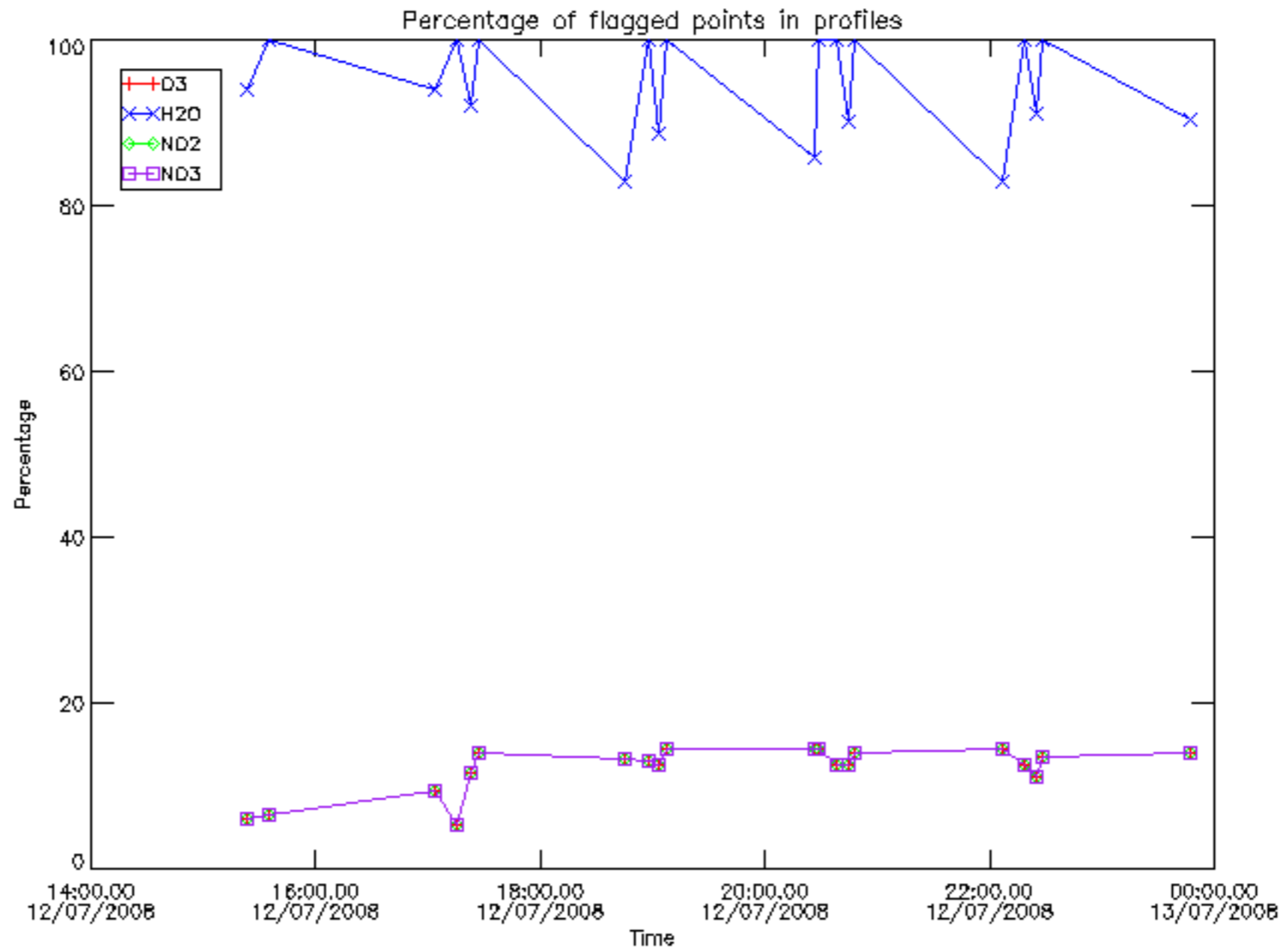




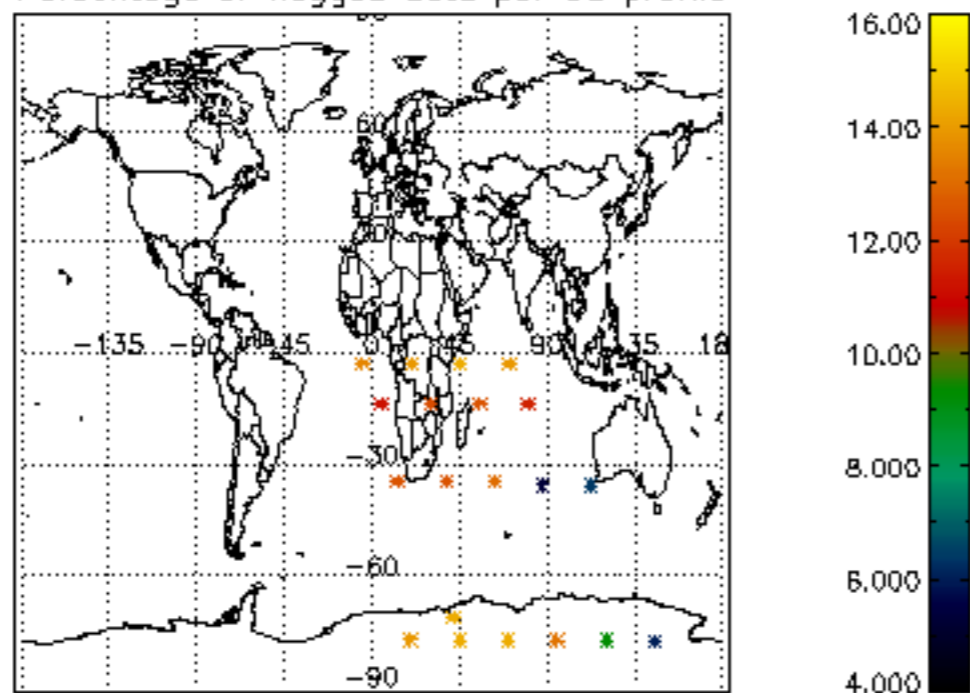




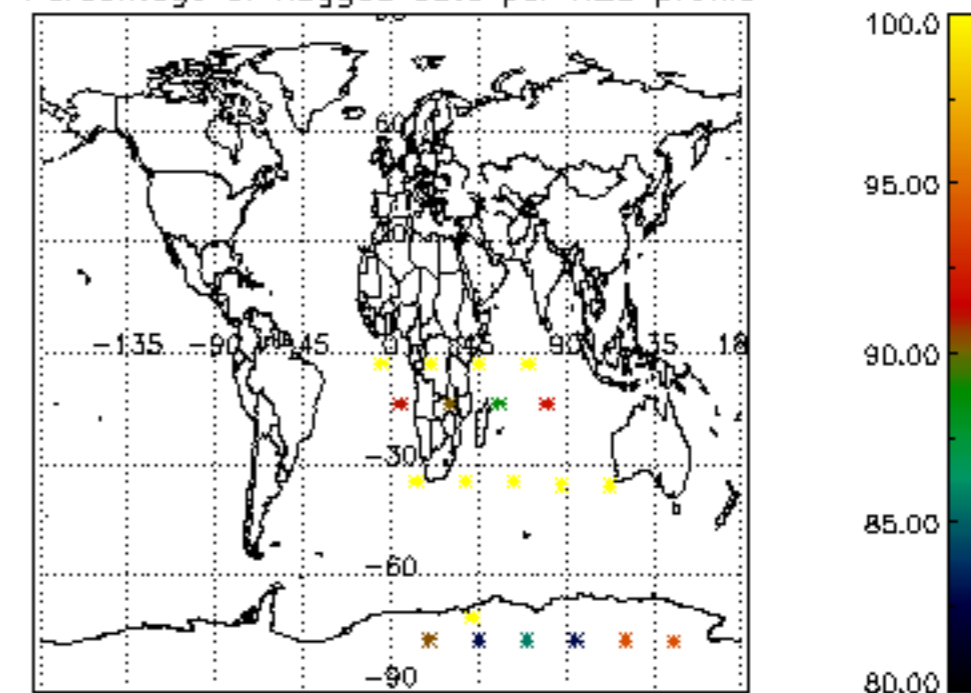




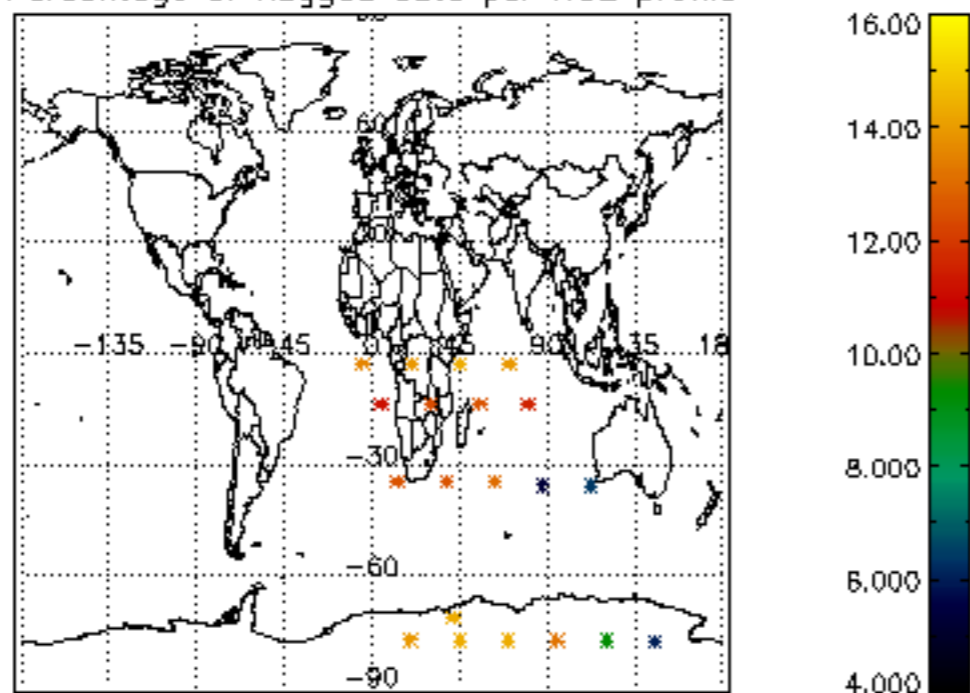
Percentage of flagged data per D3 profile



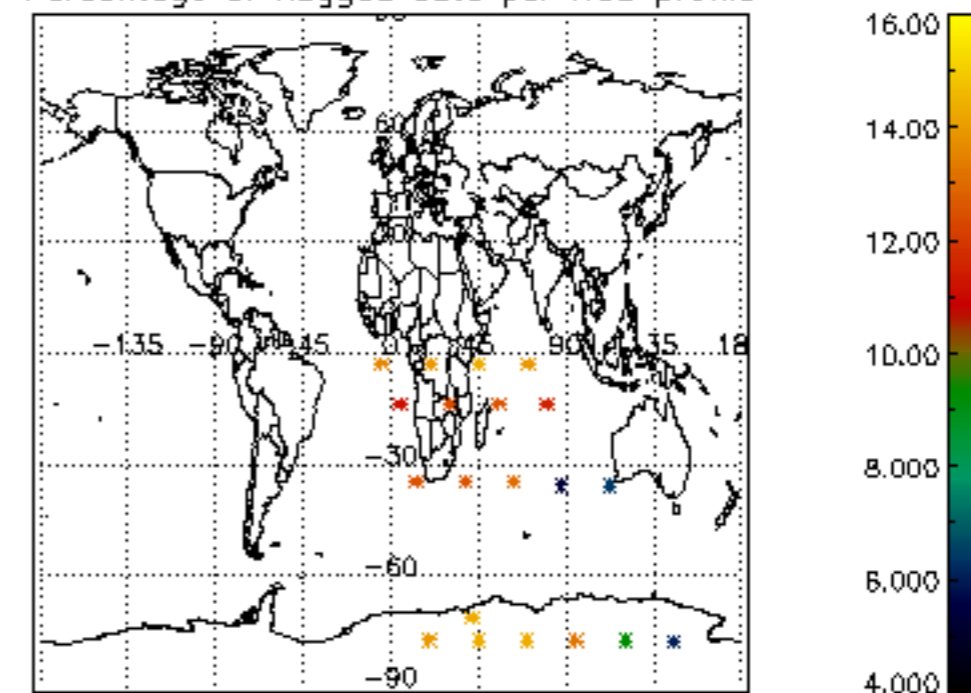
Percentage of flagged data per H2O profile

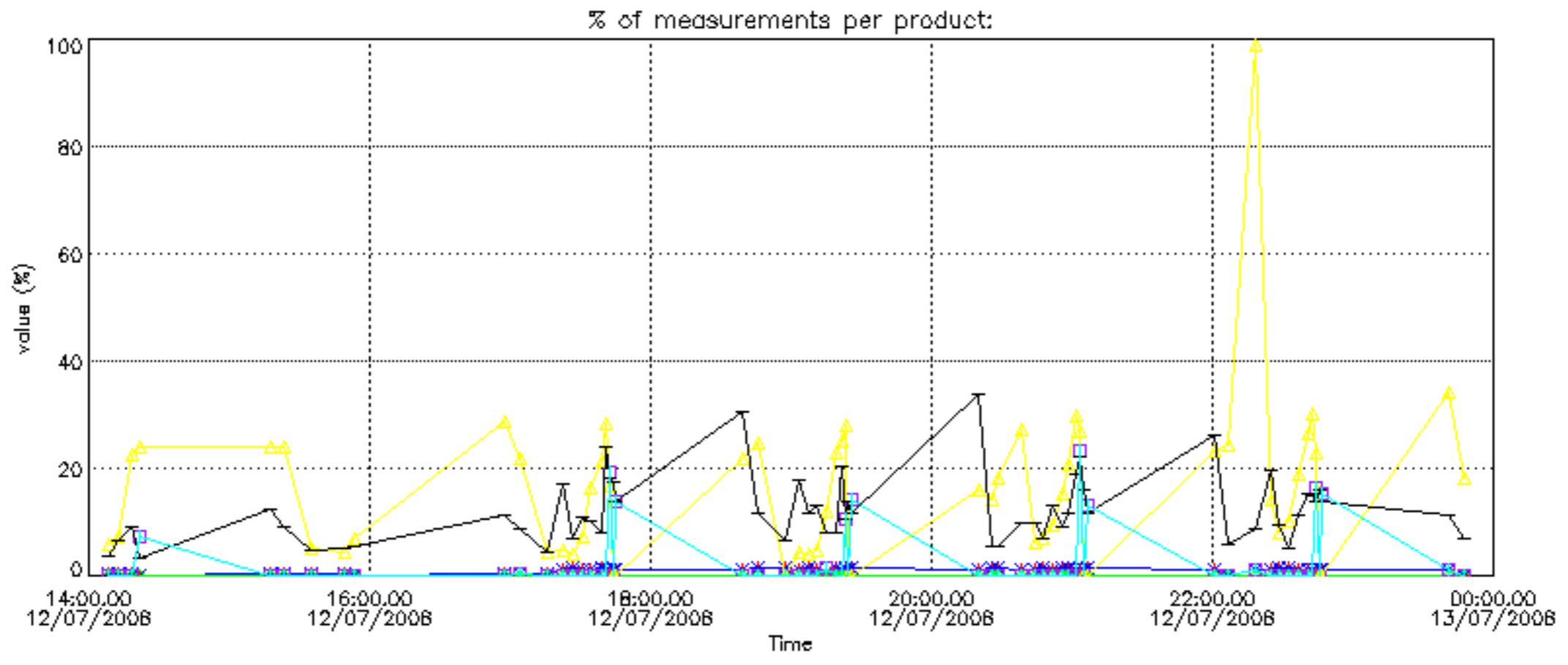


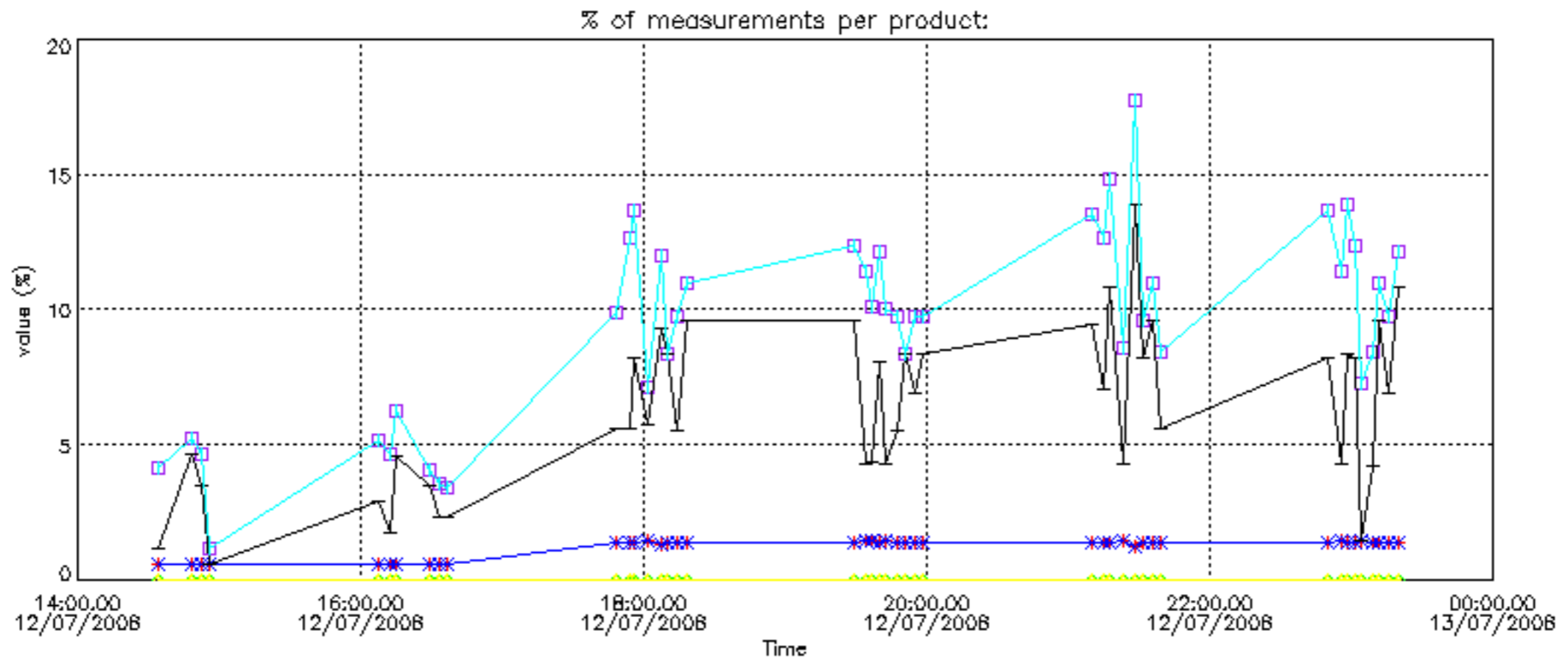
Percentage of flagged data per NO2 profile



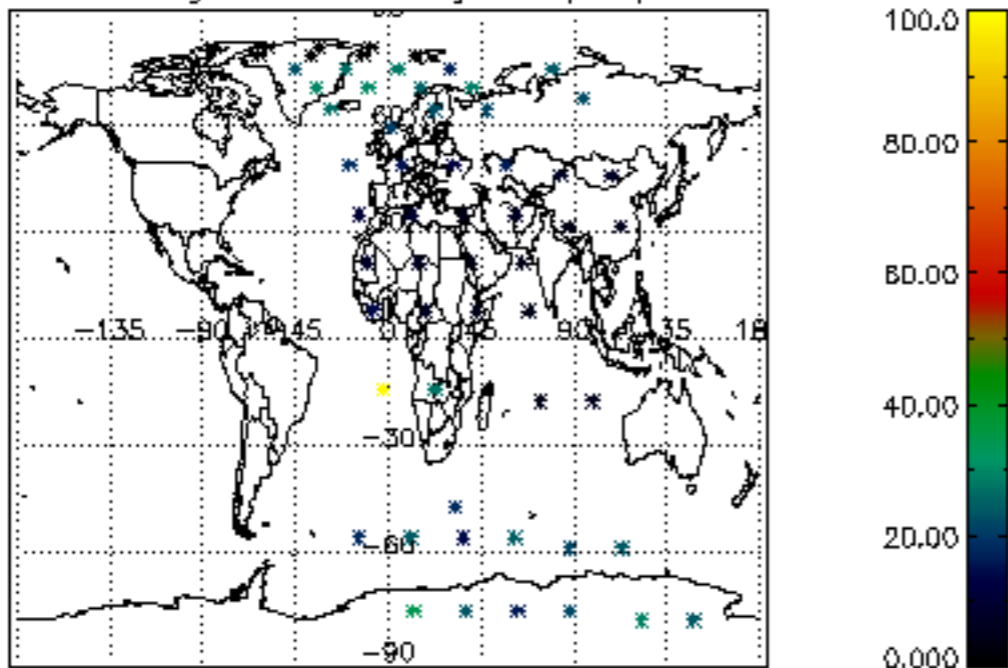
Percentage of flagged data per NO3 profile



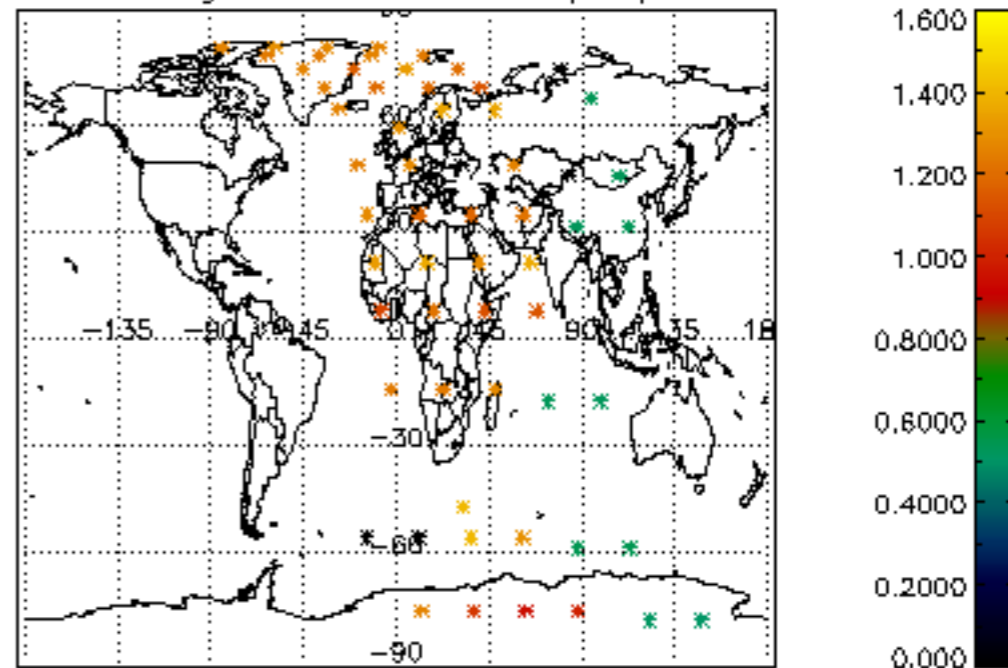




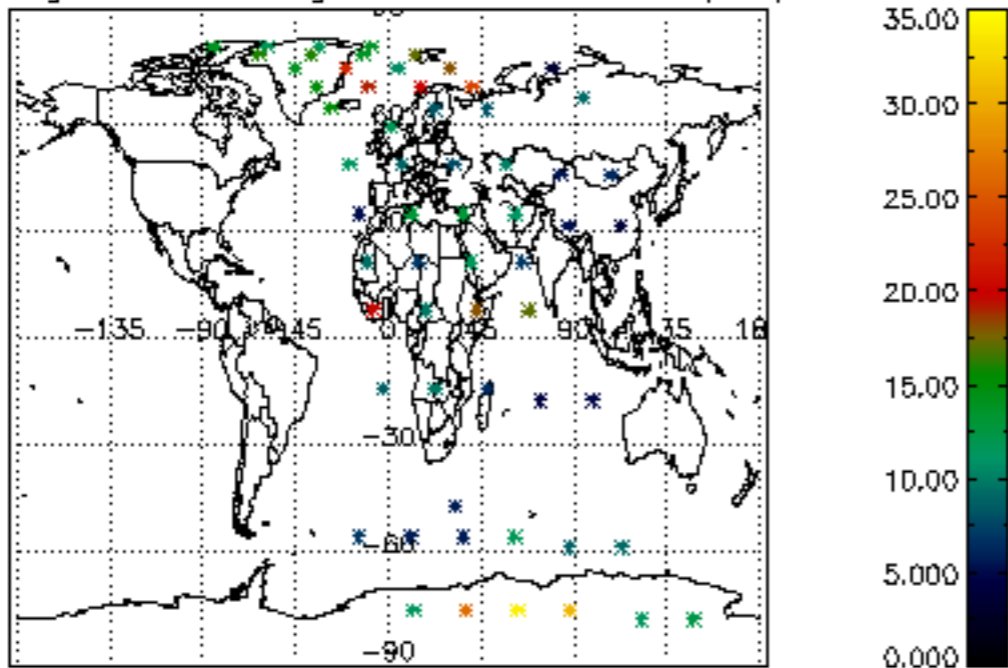
Percentage of cosmic ray hits per profile



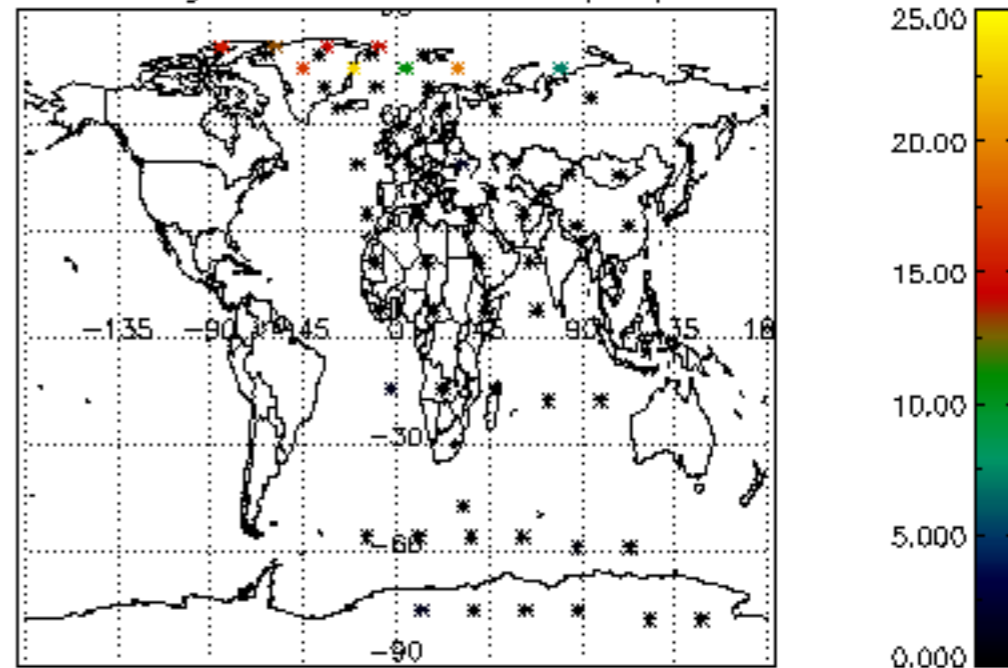
Percentage of datation errors per profile



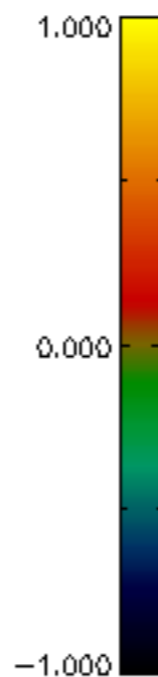
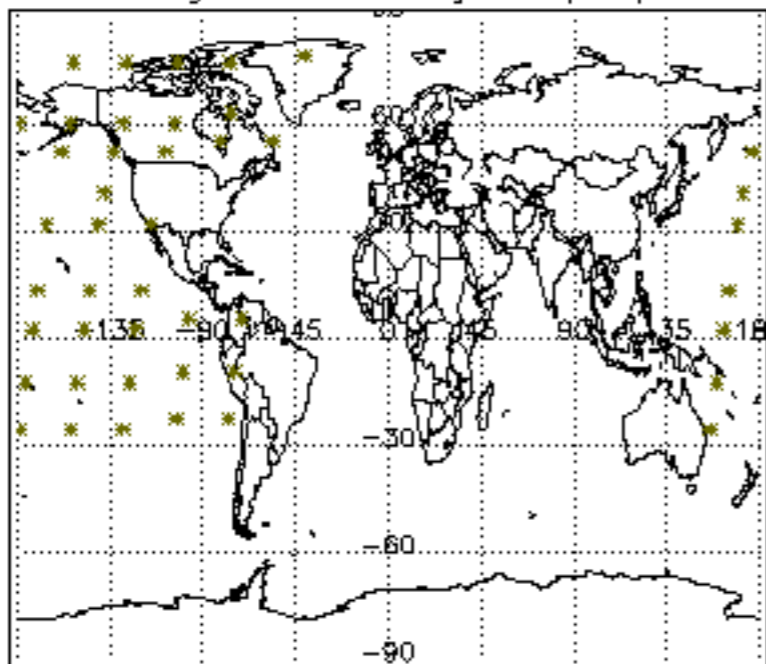
Percentage of star falling outside central band per profile



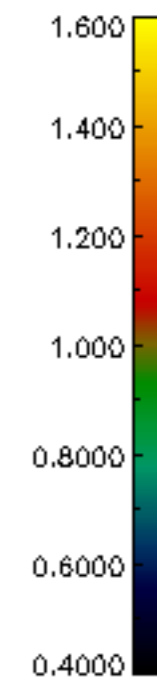
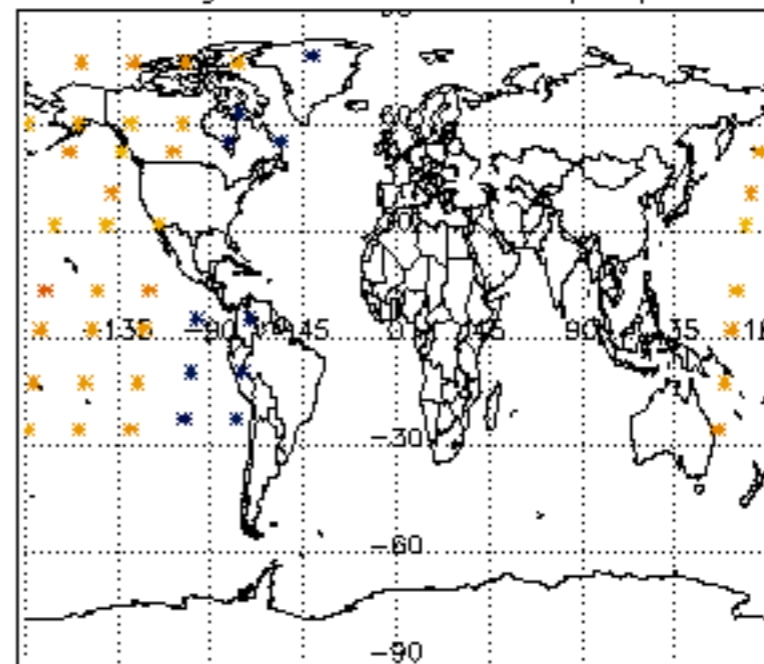
Percentage of saturation errors per profile



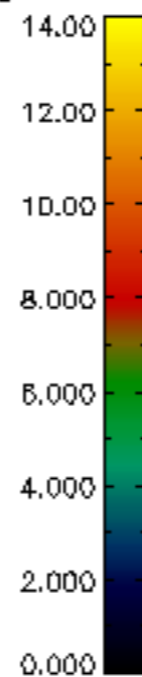
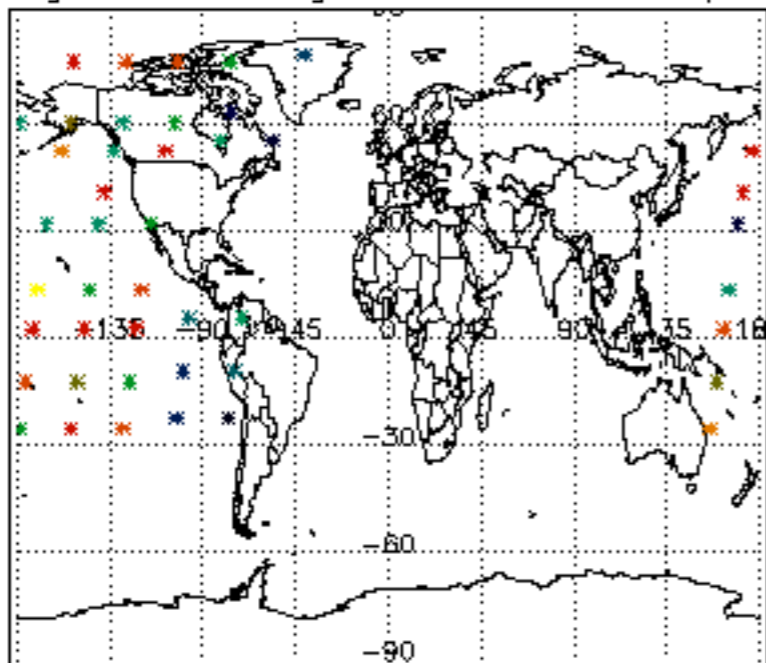
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

