

# 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	26APR2013 10:42:18
Data source version	GOMOS/6.01
Start time of products	09-07-2009 (09JUL2009 00:00:00)
Stop time of products	10-07-2009 (10JUL2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	174
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__2PRFIN20090709_000421_000000462080_00331_38461_9066.N1	09-JUL-2009 00:04:21	Bright	45.500	144	18Del Cyg	2.8600	11000.	91	38461	No
2	GOM_NL__2PRFIN20090709_001134_000000442080_00331_38461_9067.N1	09-JUL-2009 00:11:34	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	38461	No
3	GOM_NL__2PRFIN20090709_001906_000000462080_00331_38461_9068.N1	09-JUL-2009 00:19:06	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	38461	No
4	GOM_NL__2PRFIN20090709_002105_000000492080_00331_38461_9069.N1	09-JUL-2009 00:21:05	Bright	48.500	110	37Del Cas	2.6780	8900.0	97	38461	No
5	GOM_NL__2PRFIN20090709_002843_000000352080_00331_38461_9070.N1	09-JUL-2009 00:28:43	Bright	34.500	79	26Bet Per	2.3100	13100.	69	38461	No
6	GOM_NL__2PRFIN20090709_003058_000000432080_00331_38461_9071.N1	09-JUL-2009 00:30:58	Twilight	42.500	173	4Bet Tri	3.0040	8900.0	85	38461	No
7	GOM_NL__2PRFIN20090709_004100_000000412080_00331_38461_9072.N1	09-JUL-2009 00:41:00	Dark	41.000	94	92Alp Cet	2.5260	3100.0	82	38461	No
8	GOM_NL__2PRFIN20090709_010123_000000532080_00332_38462_9076.N1	09-JUL-2009 01:01:23	Dark	52.500	84	Alp Phe	2.3970	4500.0	105	38462	No
9	GOM_NL__2PRFIN20090709_010736_000000662080_00332_38462_9077.N1	09-JUL-2009 01:07:36	Straylight	66.000	63	Bet Gru	2.1500	2800.0	132	38462	No
10	GOM_NL__2PRFIN20090709_010923_000000502080_00332_38462_9078.N1	09-JUL-2009 01:09:23	Straylight	49.500	31	Alp Gru	1.7340	15200.	99	38462	No
11	GOM_NL__2PRFIN20090709_011231_000000562080_00332_38462_9079.N1	09-JUL-2009 01:12:31	Straylight	55.500	172	Gam Gru	3.0030	13100.	111	38462	No
12	GOM_NL__2PRFIN20090709_013405_000000452080_00332_38462_9080.N1	09-JUL-2009 01:34:05	Bright	45.000	168	17Zet Aql	2.9860	11000.	90	38462	No
13	GOM_NL__2PRFIN20090709_014456_000000422080_00332_38462_9081.N1	09-JUL-2009 01:44:56	Bright	41.500	144	18Del Cyg	2.8600	11000.	83	38462	No
14	GOM_NL__2PRFIN20090709_015209_000000422080_00332_38462_9082.N1	09-JUL-2009 01:52:09	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	38462	No
15	GOM_NL__2PRFIN20090709_015941_000000462080_00332_38462_9083.N1	09-JUL-2009 01:59:41	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	38462	No
16	GOM_NL__2PRFIN20090709_020140_000000402080_00332_38462_9084.N1	09-JUL-2009 02:01:40	Bright	39.500	110	37Del Cas	2.6780	8900.0	79	38462	No
17	GOM_NL__2PRFIN20090709_020919_000000352080_00332_38462_9085.N1	09-JUL-2009 02:09:19	Bright	35.000	79	26Bet Per	2.3100	13100.	70	38462	No
18	GOM_NL__2PRFIN20090709_021134_000000452080_00332_38462_9086.N1	09-JUL-2009 02:11:34	Twilight	44.500	173	4Bet Tri	3.0040	8900.0	89	38462	No
19	GOM_NL__2PRFIN20090709_022136_000000402080_00332_38462_9087.N1	09-JUL-2009 02:21:36	Dark	40.000	94	92Alp Cet	2.5260	3100.0	80	38462	No
20	GOM_NL__2PRFIN20090709_024159_000000562080_00333_38463_9087.N1	09-JUL-2009 02:41:59	Dark	55.500	84	Alp Phe	2.3970	4500.0	111	38463	No
21	GOM_NL__2PRFIN20090709_024813_000000632080_00333_38463_9088.N1	09-JUL-2009 02:48:13	Straylight	63.000	63	Bet Gru	2.1500	2800.0	126	38463	No
22	GOM_NL__2PRFIN20090709_025000_000000512080_00333_38463_9089.N1	09-JUL-2009 02:50:00	Straylight	50.500	31	Alp Gru	1.7340	15200.	101	38463	No
23	GOM_NL__2PRFIN20090709_025307_000000572080_00333_38463_9090.N1	09-JUL-2009 02:53:07	Straylight	57.000	172	Gam Gru	3.0030	13100.	114	38463	No
24	GOM_NL__2PRFIN20090709_031440_000000452080_00333_38463_9091.N1	09-JUL-2009 03:14:40	Bright	45.000	168	17Zet Aql	2.9860	11000.	90	38463	No
25	GOM_NL__2PRFIN20090709_032531_000000452080_00333_38463_9092.N1	09-JUL-2009 03:25:31	Bright	44.500	144	18Del Cyg	2.8600	11000.	89	38463	No
26	GOM_NL__2PRFIN20090709_033245_000000462080_00333_38463_9093.N1	09-JUL-2009 03:32:45	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	38463	No
27	GOM_NL__2PRFIN20090709_034016_000000702080_00333_38463_9094.N1	09-JUL-2009 03:40:16	Bright	69.500	74	11Bet Cas	2.2680	6600.0	139	38463	No
28	GOM_NL__2PRFIN20090709_034216_000000402080_00333_38463_9095.N1	09-JUL-2009 03:42:16	Bright	39.500	110	37Del Cas	2.6780	8900.0	79	38463	No
29	GOM_NL__2PRFIN20090709_034955_000000352080_00333_38463_9096.N1	09-JUL-2009 03:49:55	Bright	35.000	79	26Bet Per	2.3100	13100.	70	38463	No
30	GOM_NL__2PRFIN20090709_035210_000000462080_00333_38463_9097.N1	09-JUL-2009 03:52:10	Twilight	45.500	173	4Bet Tri	3.0040	8900.0	91	38463	No
31	GOM_NL__2PRFIN20090709_040213_000000422080_00333_38463_9098.N1	09-JUL-2009 04:02:13	Dark	41.500	94	92Alp Cet	2.5260	3100.0	83	38463	No
32	GOM_NL__2PRFIN20090709_042237_000000502080_00334_38464_9099.N1	09-JUL-2009 04:22:37	Dark	49.500	84	Alp Phe	2.3970	4500.0	99	38464	No
33	GOM_NL__2PRFIN20090709_042850_000000652080_00334_38464_9100.N1	09-JUL-2009 04:28:50	Straylight	65.000	63	Bet Gru	2.1500	2800.0	130	38464	No
34	GOM_NL__2PRFIN20090709_043037_000000582080_00334_38464_9101.N1	09-JUL-2009 04:30:37	Straylight	57.500	31	Alp Gru	1.7340	15200.	115	38464	No
35	GOM_NL__2PRFIN20090709_043344_000000542080_00334_38464_9102.N1	09-JUL-2009 04:33:44	Straylight	53.500	172	Gam Gru	3.0030	13100.	107	38464	No
36	GOM_NL__2PRFIN20090709_045516_000000412080_00334_38464_9103.N1	09-JUL-2009 04:55:16	Bright	41.000	168	17Zet Aql	2.9860	11000.	82	38464	No
37	GOM_NL__2PRFIN20090709_050606_000000452080_00334_38464_9104.N1	09-JUL-2009 05:06:06	Bright	44.500	144	18Del Cyg	2.8600	11000.	89	38464	No
38	GOM_NL__2PRFIN20090709_051320_000000462080_00334_38464_9105.N1	09-JUL-2009 05:13:20	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	38464	No
39	GOM_NL__2PRFIN20090709_052051_000000462080_00334_38464_9106.N1	09-JUL-2009 05:20:51	Bright	46.000	74	11Bet Cas	2.2680	6600.0	92	38464	No
40	GOM_NL__2PRFIN20090709_052251_000000402080_00334_38464_9107.N1	09-JUL-2009 05:22:51	Bright	39.500	110	37Del Cas	2.6780	8900.0	79	38464	No
41	GOM_NL__2PRFIN20090709_053031_000000362080_00334_38464_9108.N1	09-JUL-2009 05:30:31	Bright	35.500	79	26Bet Per	2.3100	13100.	71	38464	No
42	GOM_NL__2PRFIN20090709_053246_000000462080_00334_38464_9109.N1	09-JUL-2009 05:32:46	Twilight	46.000	173	4Bet Tri	3.0040	8900.0	92	38464	No

43	GOM_NL__2PRFIN20090709_054250_000000422080_00334_38464_9110.N1	09-JUL-2009 05:42:50	Dark	42.000	94	92Alp Cet	2.5260	3100.0	84	38464	No
44	GOM_NL__2PRFIN20090709_060314_000000522080_00335_38465_9137.N1	09-JUL-2009 06:03:14	Dark	51.500	84	Alp Phe	2.3970	4500.0	103	38465	No
45	GOM_NL__2PRFIN20090709_060927_000000522080_00335_38465_9138.N1	09-JUL-2009 06:09:27	Straylight	52.000	63	Bet Gru	2.1500	2800.0	104	38465	No
46	GOM_NL__2PRFIN20090709_061113_000000502080_00335_38465_9139.N1	09-JUL-2009 06:11:13	Straylight	50.000	31	Alp Gru	1.7340	15200.	100	38465	No
47	GOM_NL__2PRFIN20090709_061421_000000542080_00335_38465_9140.N1	09-JUL-2009 06:14:21	Straylight	53.500	172	Gam Gru	3.0030	13100.	107	38465	No
48	GOM_NL__2PRFIN20090709_063552_000000452080_00335_38465_9141.N1	09-JUL-2009 06:35:52	Bright	45.000	168	17Zet Aql	2.9860	11000.	90	38465	No
49	GOM_NL__2PRFIN20090709_064642_000000452080_00335_38465_9142.N1	09-JUL-2009 06:46:42	Bright	44.500	144	18Del Cyg	2.8600	11000.	89	38465	No
50	GOM_NL__2PRFIN20090709_065356_000000462080_00335_38465_9143.N1	09-JUL-2009 06:53:56	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	38465	No
51	GOM_NL__2PRFIN20090709_070127_000000462080_00335_38465_9144.N1	09-JUL-2009 07:01:27	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	38465	No
52	GOM_NL__2PRFIN20090709_070327_000000392080_00335_38465_9145.N1	09-JUL-2009 07:03:27	Bright	38.500	110	37Del Cas	2.6780	8900.0	77	38465	No
53	GOM_NL__2PRFIN20090709_071107_000000372080_00335_38465_9146.N1	09-JUL-2009 07:11:07	Bright	36.500	79	26Bet Per	2.3100	13100.	73	38465	No
54	GOM_NL__2PRFIN20090709_071322_000000452080_00335_38465_9147.N1	09-JUL-2009 07:13:22	Tw_i_and_stray	45.000	173	4Bet Tri	3.0040	8900.0	90	38465	No
55	GOM_NL__2PRFIN20090709_072326_000000422080_00335_38465_9148.N1	09-JUL-2009 07:23:26	Dark	41.500	94	92Alp Cet	2.5260	3100.0	83	38465	No
56	GOM_NL__2PRFIN20090709_074351_000000642080_00336_38466_9152.N1	09-JUL-2009 07:43:51	Dark	64.000	84	Alp Phe	2.3970	4500.0	128	38466	No
57	GOM_NL__2PRFIN20090709_075004_000000672080_00336_38466_9153.N1	09-JUL-2009 07:50:04	Straylight	66.500	63	Bet Gru	2.1500	2800.0	133	38466	No
58	GOM_NL__2PRFIN20090709_075150_000000572080_00336_38466_9154.N1	09-JUL-2009 07:51:50	Straylight	56.500	31	Alp Gru	1.7340	15200.	113	38466	No
59	GOM_NL__2PRFIN20090709_075458_000000552080_00336_38466_9155.N1	09-JUL-2009 07:54:58	Straylight	55.000	172	Gam Gru	3.0030	13100.	110	38466	No
60	GOM_NL__2PRFIN20090709_081627_000000432080_00336_38466_9156.N1	09-JUL-2009 08:16:27	Bright	43.000	168	17Zet Aql	2.9860	11000.	86	38466	No
61	GOM_NL__2PRFIN20090709_082717_000000452080_00336_38466_9157.N1	09-JUL-2009 08:27:17	Bright	44.500	144	18Del Cyg	2.8600	11000.	89	38466	No
62	GOM_NL__2PRFIN20090709_083431_000000422080_00336_38466_9158.N1	09-JUL-2009 08:34:31	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	38466	No
63	GOM_NL__2PRFIN20090709_084202_000000462080_00336_38466_9159.N1	09-JUL-2009 08:42:02	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	38466	No
64	GOM_NL__2PRFIN20090709_084403_000000402080_00336_38466_9160.N1	09-JUL-2009 08:44:03	Bright	39.500	110	37Del Cas	2.6780	8900.0	79	38466	No
65	GOM_NL__2PRFIN20090709_085100_000000452080_00336_38466_9161.N1	09-JUL-2009 08:51:00	Bright	44.500	73	57Gam1And	2.2600	13100.	89	38466	No
66	GOM_NL__2PRFIN20090709_085358_000000452080_00336_38466_9162.N1	09-JUL-2009 08:53:58	Tw_i_and_stray	45.000	173	4Bet Tri	3.0040	8900.0	90	38466	No
67	GOM_NL__2PRFIN20090709_090403_000000432080_00336_38466_9163.N1	09-JUL-2009 09:04:03	Dark	43.000	94	92Alp Cet	2.5260	3100.0	86	38466	No
68	GOM_NL__2PRFIN20090709_092428_000000632080_00337_38467_9177.N1	09-JUL-2009 09:24:28	Dark	63.000	84	Alp Phe	2.3970	4500.0	126	38467	No
69	GOM_NL__2PRFIN20090709_093041_000000602080_00337_38467_9178.N1	09-JUL-2009 09:30:41	Straylight	60.000	63	Bet Gru	2.1500	2800.0	120	38467	No
70	GOM_NL__2PRFIN20090709_093227_000000532080_00337_38467_9179.N1	09-JUL-2009 09:32:27	Straylight	53.000	31	Alp Gru	1.7340	15200.	106	38467	No
71	GOM_NL__2PRFIN20090709_093535_000000562080_00337_38467_9180.N1	09-JUL-2009 09:35:35	Straylight	56.000	172	Gam Gru	3.0030	13100.	112	38467	No
72	GOM_NL__2PRFIN20090709_095702_000000452080_00337_38467_9181.N1	09-JUL-2009 09:57:02	Bright	44.500	168	17Zet Aql	2.9860	11000.	89	38467	No
73	GOM_NL__2PRFIN20090709_100752_000000462080_00337_38467_9182.N1	09-JUL-2009 10:07:52	Bright	45.500	144	18Del Cyg	2.8600	11000.	91	38467	No
74	GOM_NL__2PRFIN20090709_101506_000000422080_00337_38467_9183.N1	09-JUL-2009 10:15:06	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	38467	No
75	GOM_NL__2PRFIN20090709_102238_000000532080_00337_38467_9184.N1	09-JUL-2009 10:22:38	Bright	52.500	74	11Bet Cas	2.2680	6600.0	105	38467	No
76	GOM_NL__2PRFIN20090709_102438_000000582080_00337_38467_9185.N1	09-JUL-2009 10:24:38	Bright	58.000	110	37Del Cas	2.6780	8900.0	116	38467	No
77	GOM_NL__2PRFIN20090709_103136_000000442080_00337_38467_9186.N1	09-JUL-2009 10:31:36	Bright	43.500	73	57Gam1And	2.2600	13100.	87	38467	No
78	GOM_NL__2PRFIN20090709_103434_000000452080_00337_38467_9187.N1	09-JUL-2009 10:34:34	Tw_i_and_stray	45.000	173	4Bet Tri	3.0040	8900.0	90	38467	No
79	GOM_NL__2PRFIN20090709_104439_000000432080_00337_38467_9188.N1	09-JUL-2009 10:44:39	Dark	43.000	94	92Alp Cet	2.5260	3100.0	86	38467	No
80	GOM_NL__2PRFIN20090709_110505_000000512080_00338_38468_9186.N1	09-JUL-2009 11:05:05	Dark	50.500	84	Alp Phe	2.3970	4500.0	101	38468	No
81	GOM_NL__2PRFIN20090709_111117_000000562080_00338_38468_9187.N1	09-JUL-2009 11:11:17	Straylight	55.500	63	Bet Gru	2.1500	2800.0	111	38468	No
82	GOM_NL__2PRFIN20090709_111304_000000552080_00338_38468_9188.N1	09-JUL-2009 11:13:04	Straylight	54.500	31	Alp Gru	1.7340	15200.	109	38468	No
83	GOM_NL__2PRFIN20090709_111612_000000562080_00338_38468_9189.N1	09-JUL-2009 11:16:12	Straylight	56.000	172	Gam Gru	3.0030	13100.	112	38468	No
84	GOM_NL__2PRFIN20090709_113738_000000412080_00338_38468_9190.N1	09-JUL-2009 11:37:38	Bright	40.500	168	17Zet Aql	2.9860	11000.	81	38468	No
85	GOM_NL__2PRFIN20090709_114827_000000472080_00338_38468_9191.N1	09-JUL-2009 11:48:27	Bright	47.000	144	18Del Cyg	2.8600	11000.	94	38468	No
86	GOM_NL__2PRFIN20090709_115541_000000472080_00338_38468_9192.N1	09-JUL-2009 11:55:41	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	38468	No
87	GOM_NL__2PRFIN20090709_120313_000000482080_00338_38468_9193.N1	09-JUL-2009 12:03:13	Bright	48.000	74	11Bet Cas	2.2680	6600.0	96	38468	No
88	GOM_NL__2PRFIN20090709_120514_000000652080_00338_38468_9194.N1	09-JUL-2009 12:05:14	Bright	65.000	110	37Del Cas	2.6780	8900.0	130	38468	No
89	GOM_NL__2PRFIN20090709_121212_000000452080_00338_38468_9195.N1	09-JUL-2009 12:12:12	Bright	44.500	73	57Gam1And	2.2600	13100.	89	38468	No
90	GOM_NL__2PRFIN20090709_121510_000000462080_00338_38468_9196.N1	09-JUL-2009 12:15:10	Tw_i_and_stray	45.500	173	4Bet Tri	3.0040	8900.0	91	38468	No
91	GOM_NL__2PRFIN20090709_122516_000000452080_00338_38468_9197.N1	09-JUL-2009 12:25:16	Dark	44.500	94	92Alp Cet	2.5260	3100.0	89	38468	No
92	GOM_NL__2PRFIN20090709_124542_000000502080_00339_38469_9200.N1	09-JUL-2009 12:45:42	Dark	50.000	84	Alp Phe	2.3970	4500.0	100	38469	No
93	GOM_NL__2PRFIN20090709_125154_000000582080_00339_38469_9201.N1	09-JUL-2009 12:51:54	Straylight	57.500	63	Bet Gru	2.1500	2800.0	115	38469	No
94	GOM_NL__2PRFIN20090709_125340_000000502080_00339_38469_9202.N1	09-JUL-2009 12:53:40	Straylight	49.500	31	Alp Gru	1.7340	15200.	99	38469	No
95	GOM_NL__2PRFIN20090709_125648_000000562080_00339_38469_9203.N1	09-JUL-2009 12:56:48	Straylight	56.000	172	Gam Gru	3.0030	13100.	112	38469	No
96	GOM_NL__2PRFIN20090709_131814_000000442080_00339_38469_9204.N1	09-JUL-2009 13:18:14	Bright	43.500	168	17Zet Aql	2.9860	11000.	87	38469	No
97	GOM_NL__2PRFIN20090709_132903_000000462080_00339_38469_9205.N1	09-JUL-2009 13:29:03	Bright	46.000	144	18Del Cyg	2.8600	11000.	92	38469	No
98	GOM_NL__2PRFIN20090709_133617_000000452080_00339_38469_9206.N1	09-JUL-2009 13:36:17	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	38469	No
99	GOM_NL__2PRFIN20090709_134348_000000472080_00339_38469_9207.N1	09-JUL-2009 13:43:48	Bright	47.000	74	11Bet Cas	2.2680	6600.0	94	38469	No
100	GOM_NL__2PRFIN20090709_134549_000000392080_00339_38469_9208.N1	09-JUL-2009 13:45:49	Bright	39.000	110	37Del Cas	2.6780	8900.0	78	38469	No
101	GOM_NL__2PRFIN20090709_135248_000000452080_00339_38469_9209.N1	09-JUL-2009 13:52:48	Bright	44.500	73	57Gam1And	2.2600	13100.	89	38469	No

102	GOM_NL__2PRFIN20090709_135546_000000462080_00339_38469_9210.N1	09-JUL-2009 13:55:46	Twilight	45.500	173	4Bet Tri	3.0040	8900.0	91	38469	No
103	GOM_NL__2PRFIN20090709_140552_000000442080_00339_38469_9211.N1	09-JUL-2009 14:05:52	Dark	43.500	94	92Alp Cet	2.5260	3100.0	87	38469	No
104	GOM_NL__2PRFIN20090709_142619_000000502080_00340_38470_9214.N1	09-JUL-2009 14:26:19	Dark	50.000	84	Alp Phe	2.3970	4500.0	100	38470	No
105	GOM_NL__2PRFIN20090709_143231_000000512080_00340_38470_9215.N1	09-JUL-2009 14:32:31	Straylight	51.000	63	Bet Gru	2.1500	2800.0	102	38470	No
106	GOM_NL__2PRFIN20090709_143417_000000492080_00340_38470_9216.N1	09-JUL-2009 14:34:17	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	38470	No
107	GOM_NL__2PRFIN20090709_143725_000000552080_00340_38470_9217.N1	09-JUL-2009 14:37:25	Straylight	54.500	172	Gam Gru	3.0030	13100.	109	38470	No
108	GOM_NL__2PRFIN20090709_145849_000000622080_00340_38470_9218.N1	09-JUL-2009 14:58:49	Bright	62.000	168	17Zet Aql	2.9860	11000.	124	38470	No
109	GOM_NL__2PRFIN20090709_150938_000000462080_00340_38470_9219.N1	09-JUL-2009 15:09:38	Bright	45.500	144	18Del Cyg	2.8600	11000.	91	38470	No
110	GOM_NL__2PRFIN20090709_151652_000000422080_00340_38470_9220.N1	09-JUL-2009 15:16:52	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	38470	No
111	GOM_NL__2PRFIN20090709_152423_000000722080_00340_38470_9221.N1	09-JUL-2009 15:24:23	Bright	72.000	74	11Bet Cas	2.2680	6600.0	144	38470	No
112	GOM_NL__2PRFIN20090709_152625_000000482080_00340_38470_9222.N1	09-JUL-2009 15:26:25	Bright	48.000	110	37Del Cas	2.6780	8900.0	96	38470	No
113	GOM_NL__2PRFIN20090709_153324_000000422080_00340_38470_9223.N1	09-JUL-2009 15:33:24	Bright	42.000	73	57Gam1And	2.2600	13100.	84	38470	No
114	GOM_NL__2PRFIN20090709_153622_000000442080_00340_38470_9224.N1	09-JUL-2009 15:36:22	Twilight	44.000	173	4Bet Tri	3.0040	8900.0	88	38470	No
115	GOM_NL__2PRFIN20090709_154628_000000412080_00340_38470_9225.N1	09-JUL-2009 15:46:28	Dark	40.500	94	92Alp Cet	2.5260	3100.0	81	38470	No
116	GOM_NL__2PRFIN20090709_160656_000000562080_00341_38471_9228.N1	09-JUL-2009 16:06:56	Dark	55.500	84	Alp Phe	2.3970	4500.0	111	38471	No
117	GOM_NL__2PRFIN20090709_161308_000000512080_00341_38471_9229.N1	09-JUL-2009 16:13:08	Straylight	50.500	63	Bet Gru	2.1500	2800.0	101	38471	No
118	GOM_NL__2PRFIN20090709_161454_000000472080_00341_38471_9230.N1	09-JUL-2009 16:14:54	Straylight	47.000	31	Alp Gru	1.7340	15200.	94	38471	No
119	GOM_NL__2PRFIN20090709_161802_000000552080_00341_38471_9231.N1	09-JUL-2009 16:18:02	Straylight	55.000	172	Gam Gru	3.0030	13100.	110	38471	No
120	GOM_NL__2PRFIN20090709_163925_000000622080_00341_38471_9232.N1	09-JUL-2009 16:39:25	Bright	62.000	168	17Zet Aql	2.9860	11000.	124	38471	No
121	GOM_NL__2PRFIN20090709_165013_000000462080_00341_38471_9233.N1	09-JUL-2009 16:50:13	Bright	45.500	144	18Del Cyg	2.8600	11000.	91	38471	No
122	GOM_NL__2PRFIN20090709_165727_000000412080_00341_38471_9234.N1	09-JUL-2009 16:57:27	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	38471	No
123	GOM_NL__2PRFIN20090709_170459_000000482080_00341_38471_9235.N1	09-JUL-2009 17:04:59	Bright	48.000	74	11Bet Cas	2.2680	6600.0	96	38471	No
124	GOM_NL__2PRFIN20090709_170700_000000422080_00341_38471_9236.N1	09-JUL-2009 17:07:00	Bright	42.000	110	37Del Cas	2.6780	8900.0	84	38471	No
125	GOM_NL__2PRFIN20090709_171359_000000432080_00341_38471_9237.N1	09-JUL-2009 17:13:59	Bright	42.500	73	57Gam1And	2.2600	13100.	85	38471	No
126	GOM_NL__2PRFIN20090709_171658_000000442080_00341_38471_9238.N1	09-JUL-2009 17:16:58	Twilight	44.000	173	4Bet Tri	3.0040	8900.0	88	38471	No
127	GOM_NL__2PRFIN20090709_172705_000000412080_00341_38471_9239.N1	09-JUL-2009 17:27:05	Dark	40.500	94	92Alp Cet	2.5260	3100.0	81	38471	No
128	GOM_NL__2PRFIN20090709_174733_000000542080_00342_38472_9242.N1	09-JUL-2009 17:47:33	Dark	54.000	84	Alp Phe	2.3970	4500.0	108	38472	No
129	GOM_NL__2PRFIN20090709_175345_000000532080_00342_38472_9243.N1	09-JUL-2009 17:53:45	Straylight	53.000	63	Bet Gru	2.1500	2800.0	106	38472	No
130	GOM_NL__2PRFIN20090709_175531_000000472080_00342_38472_9244.N1	09-JUL-2009 17:55:31	Straylight	46.500	31	Alp Gru	1.7340	15200.	93	38472	No
131	GOM_NL__2PRFIN20090709_175839_000000532080_00342_38472_9245.N1	09-JUL-2009 17:58:39	Straylight	53.000	172	Gam Gru	3.0030	13100.	106	38472	No
132	GOM_NL__2PRFIN20090709_182001_000000402080_00342_38472_9246.N1	09-JUL-2009 18:20:01	Bright	40.000	168	17Zet Aql	2.9860	11000.	80	38472	No
133	GOM_NL__2PRFIN20090709_183049_000000462080_00342_38472_9247.N1	09-JUL-2009 18:30:49	Bright	46.000	144	18Del Cyg	2.8600	11000.	92	38472	No
134	GOM_NL__2PRFIN20090709_183803_000000482080_00342_38472_9248.N1	09-JUL-2009 18:38:03	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	38472	No
135	GOM_NL__2PRFIN20090709_184534_000000722080_00342_38472_9249.N1	09-JUL-2009 18:45:34	Bright	72.000	74	11Bet Cas	2.2680	6600.0	144	38472	No
136	GOM_NL__2PRFIN20090709_184736_000000402080_00342_38472_9250.N1	09-JUL-2009 18:47:36	Bright	40.000	110	37Del Cas	2.6780	8900.0	80	38472	No
137	GOM_NL__2PRFIN20090709_185435_000000432080_00342_38472_9251.N1	09-JUL-2009 18:54:35	Bright	43.000	73	57Gam1And	2.2600	13100.	86	38472	No
138	GOM_NL__2PRFIN20090709_185734_000000452080_00342_38472_9252.N1	09-JUL-2009 18:57:34	Twilight	44.500	173	4Bet Tri	3.0040	8900.0	89	38472	No
139	GOM_NL__2PRFIN20090709_190742_000000412080_00342_38472_9253.N1	09-JUL-2009 19:07:42	Dark	40.500	94	92Alp Cet	2.5260	3100.0	81	38472	No
140	GOM_NL__2PRFIN20090709_192810_000000562080_00343_38473_9255.N1	09-JUL-2009 19:28:10	Dark	55.500	84	Alp Phe	2.3970	4500.0	111	38473	No
141	GOM_NL__2PRFIN20090709_193421_000000532080_00343_38473_9256.N1	09-JUL-2009 19:34:21	Straylight	52.500	63	Bet Gru	2.1500	2800.0	105	38473	No
142	GOM_NL__2PRFIN20090709_193607_000000482080_00343_38473_9257.N1	09-JUL-2009 19:36:07	Straylight	47.500	31	Alp Gru	1.7340	15200.	95	38473	No
143	GOM_NL__2PRFIN20090709_193916_000000532080_00343_38473_9258.N1	09-JUL-2009 19:39:16	Straylight	53.000	172	Gam Gru	3.0030	13100.	106	38473	No
144	GOM_NL__2PRFIN20090709_200036_000000422080_00343_38473_9259.N1	09-JUL-2009 20:00:36	Bright	41.500	168	17Zet Aql	2.9860	11000.	83	38473	No
145	GOM_NL__2PRFIN20090709_201124_000000462080_00343_38473_9260.N1	09-JUL-2009 20:11:24	Bright	46.000	144	18Del Cyg	2.8600	11000.	92	38473	No
146	GOM_NL__2PRFIN20090709_201838_000000452080_00343_38473_9261.N1	09-JUL-2009 20:18:38	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	38473	No
147	GOM_NL__2PRFIN20090709_202609_000000452080_00343_38473_9262.N1	09-JUL-2009 20:26:09	Bright	45.000	74	11Bet Cas	2.2680	6600.0	90	38473	No
148	GOM_NL__2PRFIN20090709_202811_000000402080_00343_38473_9263.N1	09-JUL-2009 20:28:11	Bright	40.000	110	37Del Cas	2.6780	8900.0	80	38473	No
149	GOM_NL__2PRFIN20090709_203511_000000452080_00343_38473_9264.N1	09-JUL-2009 20:35:11	Bright	44.500	73	57Gam1And	2.2600	13100.	89	38473	No
150	GOM_NL__2PRFIN20090709_203810_000000462080_00343_38473_9265.N1	09-JUL-2009 20:38:10	Twilight	45.500	173	4Bet Tri	3.0040	8900.0	91	38473	No
151	GOM_NL__2PRFIN20090709_204818_000000412080_00343_38473_9266.N1	09-JUL-2009 20:48:18	Dark	41.000	94	92Alp Cet	2.5260	3100.0	82	38473	No
152	GOM_NL__2PRFIN20090709_210847_000000542080_00344_38474_9276.N1	09-JUL-2009 21:08:47	Dark	54.000	84	Alp Phe	2.3970	4500.0	108	38474	No
153	GOM_NL__2PRFIN20090709_211459_000000662080_00344_38474_9277.N1	09-JUL-2009 21:14:59	Straylight	65.500	63	Bet Gru	2.1500	2800.0	131	38474	No
154	GOM_NL__2PRFIN20090709_211644_000000552080_00344_38474_9278.N1	09-JUL-2009 21:16:44	Straylight	54.500	31	Alp Gru	1.7340	15200.	109	38474	No
155	GOM_NL__2PRFIN20090709_211953_000000552080_00344_38474_9279.N1	09-JUL-2009 21:19:53	Straylight	55.000	172	Gam Gru	3.0030	13100.	110	38474	No
156	GOM_NL__2PRFIN20090709_214112_000000412080_00344_38474_9280.N1	09-JUL-2009 21:41:12	Bright	41.000	168	17Zet Aql	2.9860	11000.	82	38474	No
157	GOM_NL__2PRFIN20090709_215159_000000462080_00344_38474_9281.N1	09-JUL-2009 21:51:59	Bright	45.500	144	18Del Cyg	2.8600	11000.	91	38474	No
158	GOM_NL__2PRFIN20090709_215913_000000452080_00344_38474_9282.N1	09-JUL-2009 21:59:13	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	38474	No
159	GOM_NL__2PRFIN20090709_220645_000000502080_00344_38474_9283.N1	09-JUL-2009 22:06:45	Bright	49.500	74	11Bet Cas	2.2680	6600.0	99	38474	No
160	GOM_NL__2PRFIN20090709_220847_000000402080_00344_38474_9284.N1	09-JUL-2009 22:08:47	Bright	40.000	110	37Del Cas	2.6780	8900.0	80	38474	No

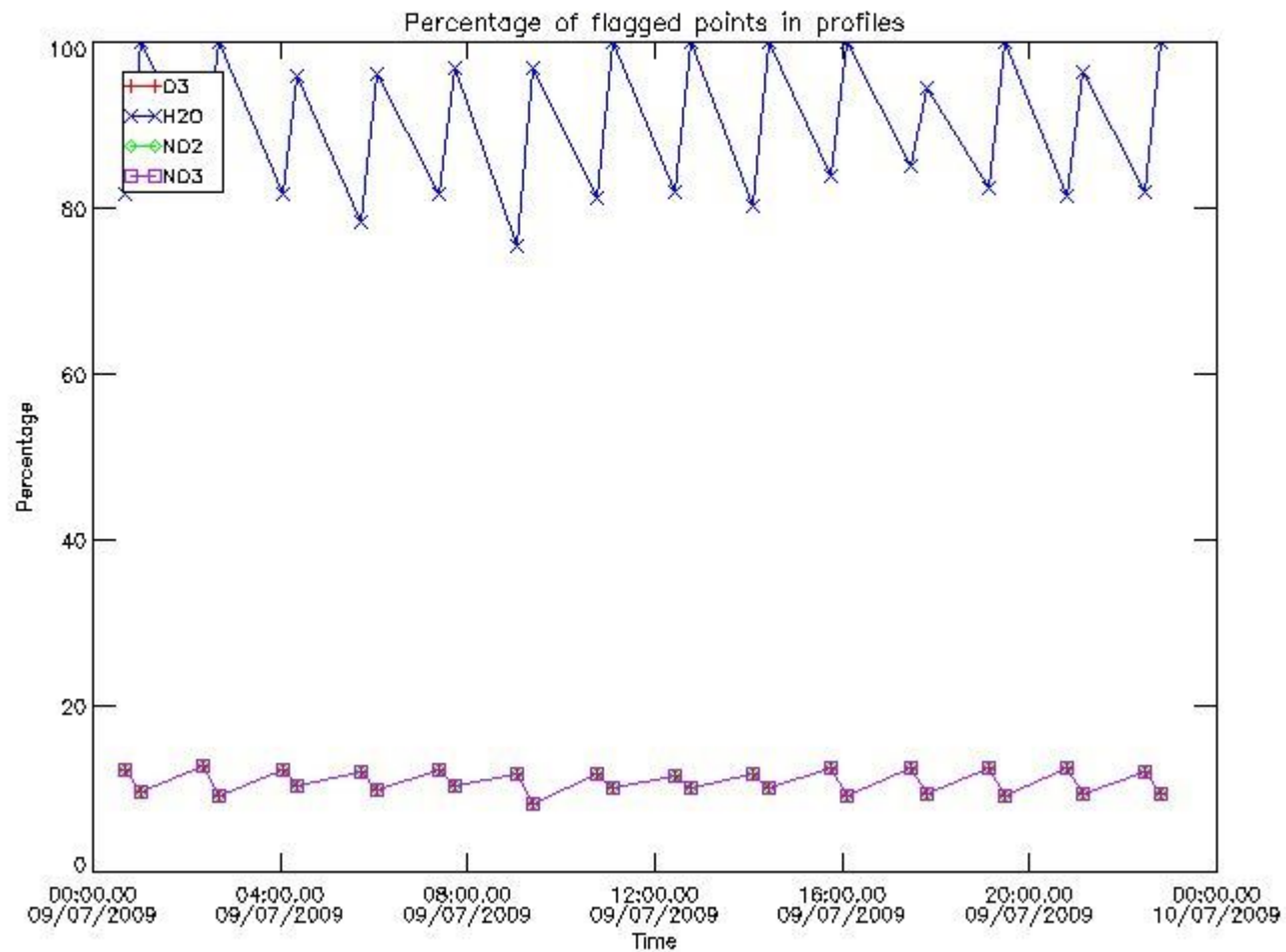


161	GOM_NL__2PRFIN20090709_221547_000000442080_00344_38474_9285.N1	09-JUL-2009 22:15:47	Bright	44.000	73	57Gam1And	2.2600	13100.	88	38474	No
162	GOM_NL__2PRFIN20090709_221846_000000462080_00344_38474_9286.N1	09-JUL-2009 22:18:46	Twilight_stray	45.500	173	4Bet Tri	3.0040	8900.0	91	38474	No
163	GOM_NL__2PRFIN20090709_222855_000000422080_00344_38474_9287.N1	09-JUL-2009 22:28:55	Dark	41.500	94	92Alp Cet	2.5260	3100.0	83	38474	No
164	GOM_NL__2PRFIN20090709_224924_000000552080_00345_38475_9314.N1	09-JUL-2009 22:49:24	Dark	54.500	84	Alp Phe	2.3970	4500.0	109	38475	No
165	GOM_NL__2PRFIN20090709_225535_000000542080_00345_38475_9315.N1	09-JUL-2009 22:55:35	Straylight	54.000	63	Bet Gru	2.1500	2800.0	108	38475	No
166	GOM_NL__2PRFIN20090709_225720_000000472080_00345_38475_9316.N1	09-JUL-2009 22:57:20	Straylight	47.000	31	Alp Gru	1.7340	15200.	94	38475	No
167	GOM_NL__2PRFIN20090709_230029_000000552080_00345_38475_9317.N1	09-JUL-2009 23:00:29	Straylight	54.500	172	Gam Gru	3.0030	13100.	109	38475	No
168	GOM_NL__2PRFIN20090709_232147_000000422080_00345_38475_9318.N1	09-JUL-2009 23:21:47	Bright	42.000	168	17Zet Aql	2.9860	11000.	84	38475	No
169	GOM_NL__2PRFIN20090709_233234_000000462080_00345_38475_9319.N1	09-JUL-2009 23:32:34	Bright	46.000	144	18Del Cyg	2.8600	11000.	92	38475	No
170	GOM_NL__2PRFIN20090709_233949_000000462080_00345_38475_9320.N1	09-JUL-2009 23:39:49	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	38475	No
171	GOM_NL__2PRFIN20090709_234720_000000462080_00345_38475_9321.N1	09-JUL-2009 23:47:20	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	38475	No
172	GOM_NL__2PRFIN20090709_234922_000000412080_00345_38475_9322.N1	09-JUL-2009 23:49:22	Bright	40.500	110	37Del Cas	2.6780	8900.0	81	38475	No
173	GOM_NL__2PRFIN20090709_235622_000000442080_00345_38475_9323.N1	09-JUL-2009 23:56:22	Bright	43.500	73	57Gam1And	2.2600	13100.	87	38475	No
174	GOM_NL__2PRFIN20090709_235922_000000452080_00345_38475_9324.N1	09-JUL-2009 23:59:22	Twilight_stray	45.000	173	4Bet Tri	3.0040	8900.0	90	38475	No

### 3. Quality information per product

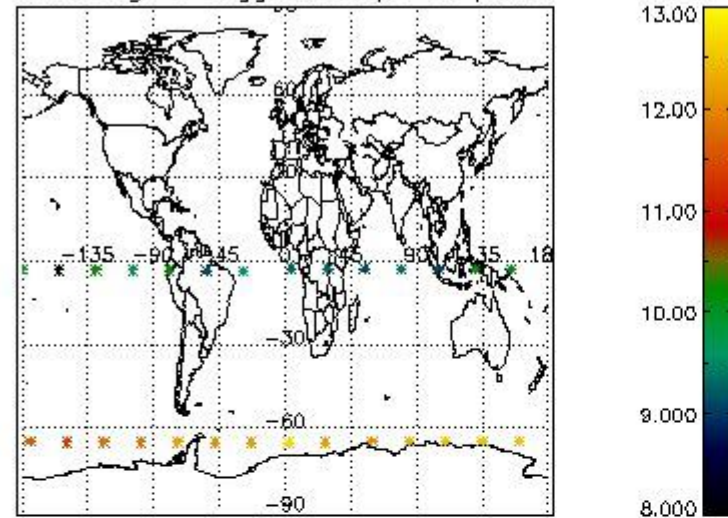
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

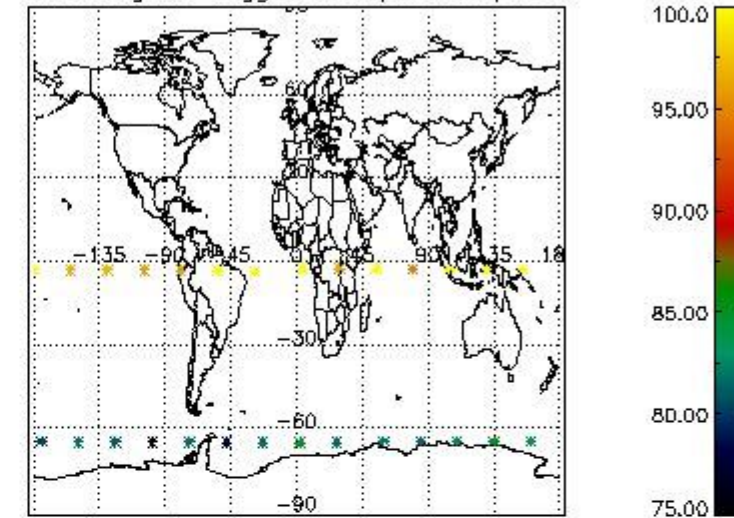


#### 3.2 Plot quality information per product (world map)

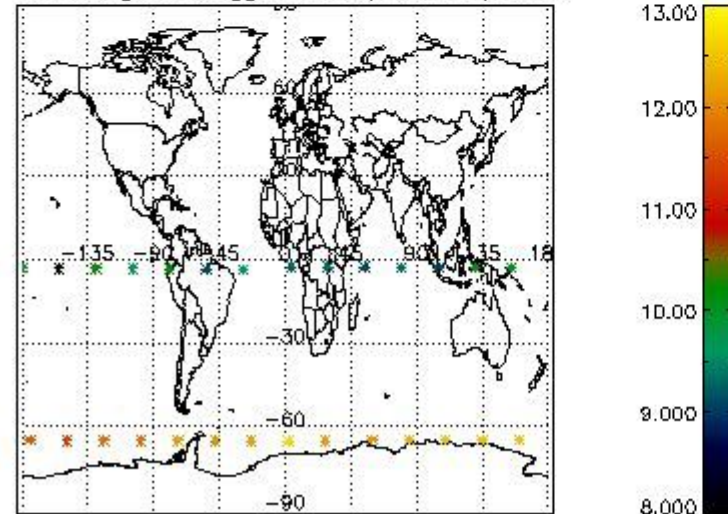
Percentage of flagged data per O3 profile



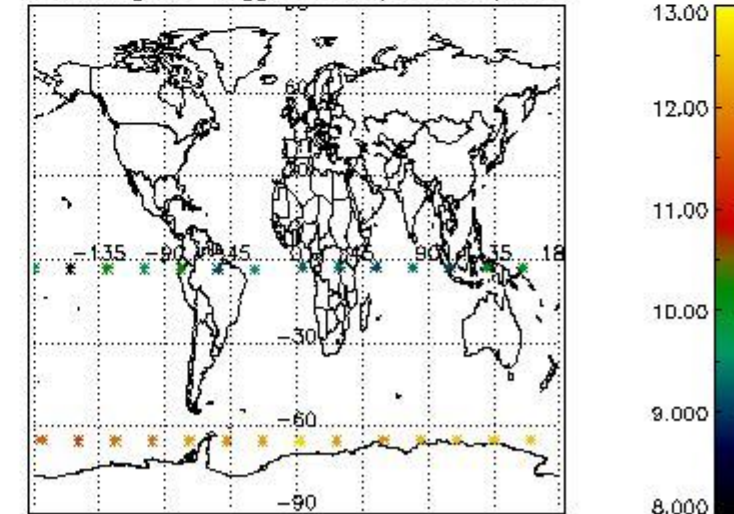
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

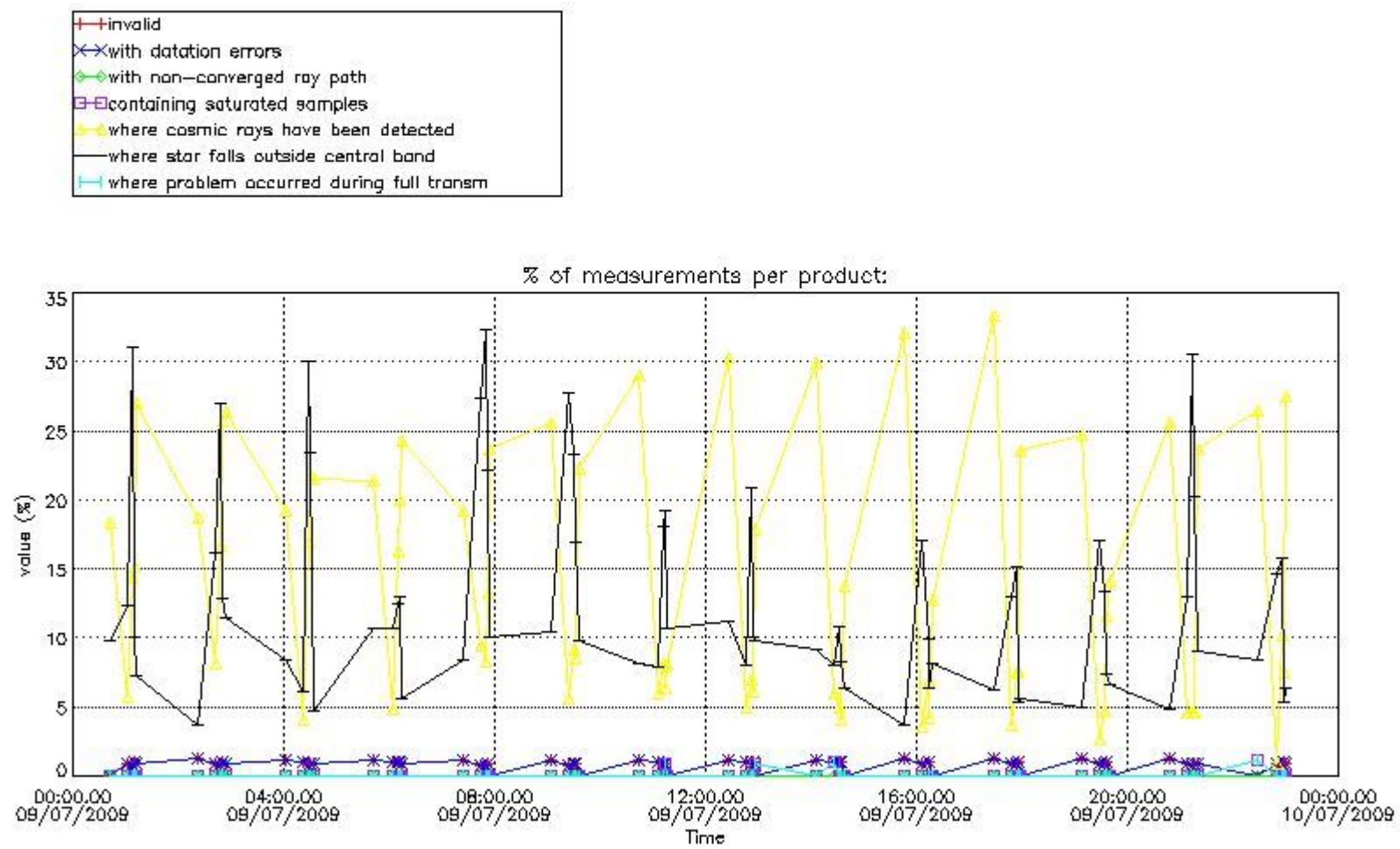


#### 4. Level 1 quality information per product

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.

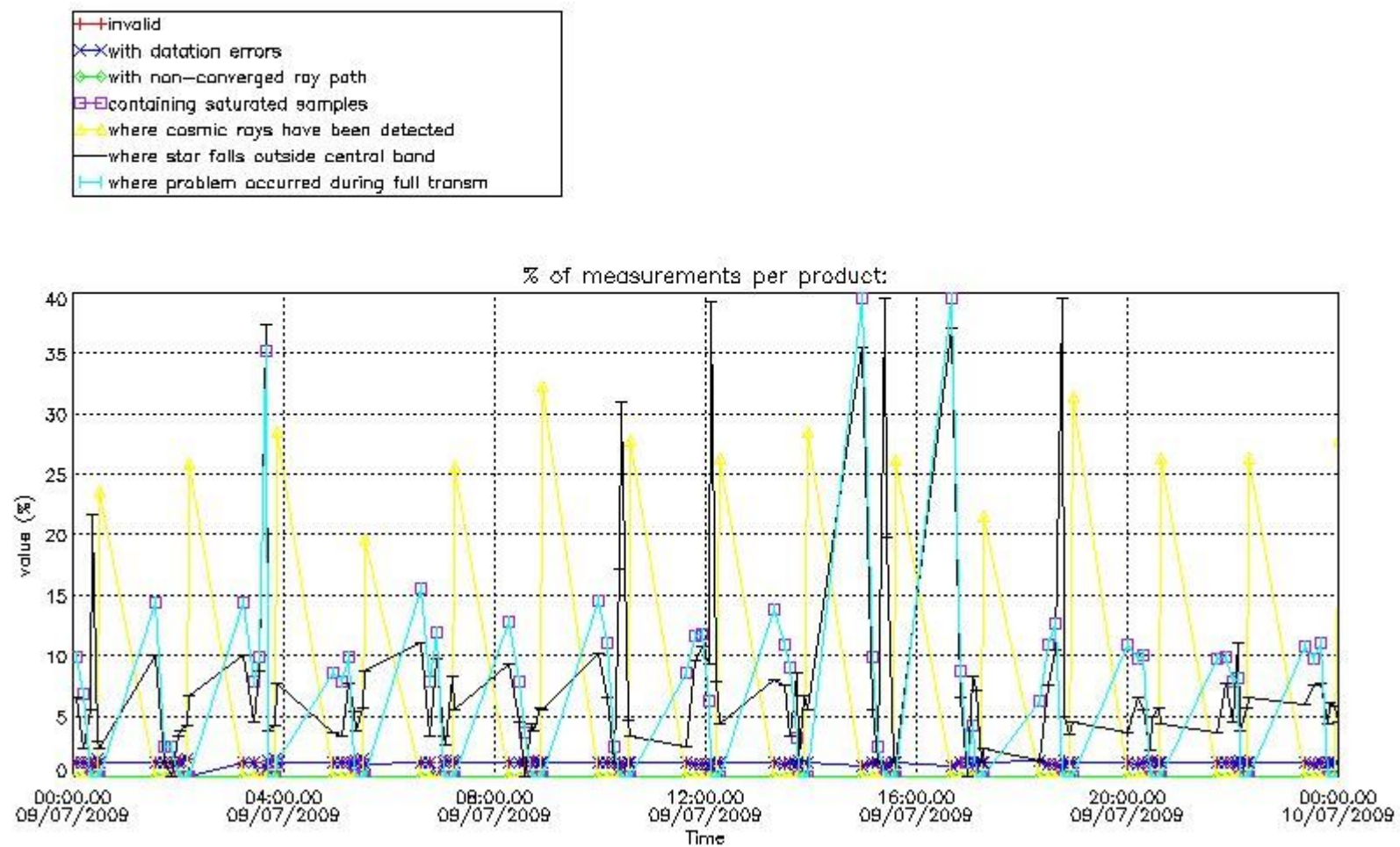
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

###### 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



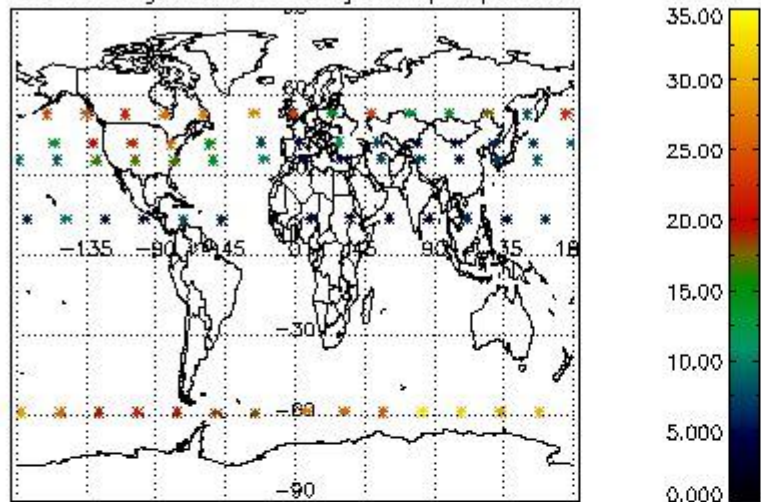


4.2 Plot quality information per product coming from level 1b processing (world map)

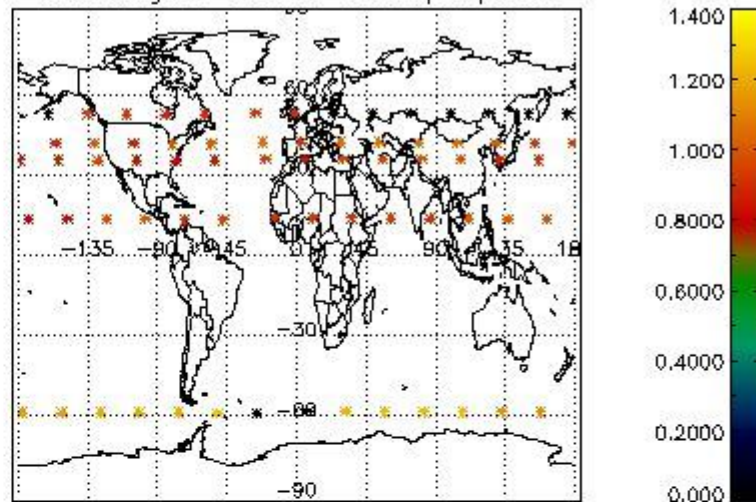
4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes



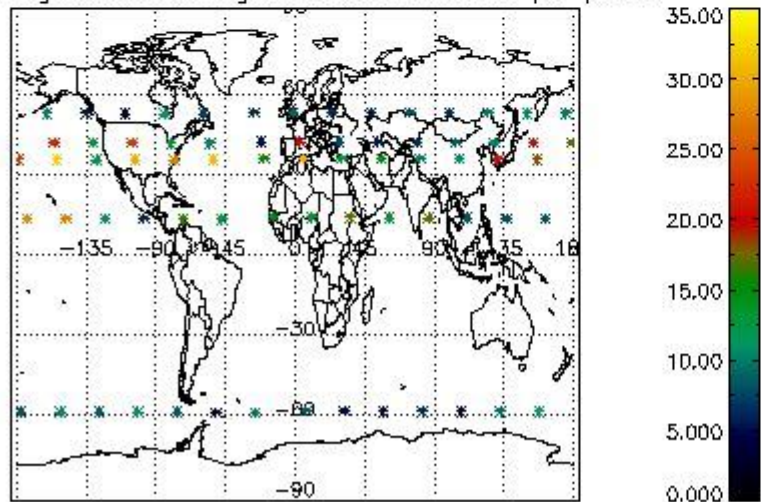
Percentage of cosmic ray hits per profile



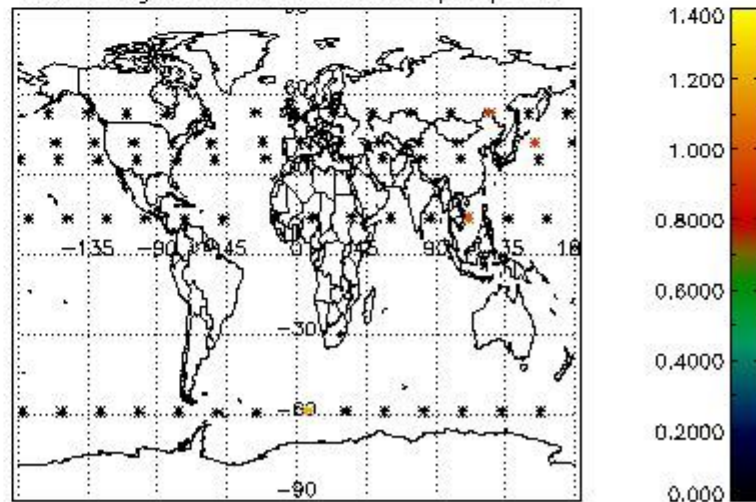
Percentage of datation errors per profile



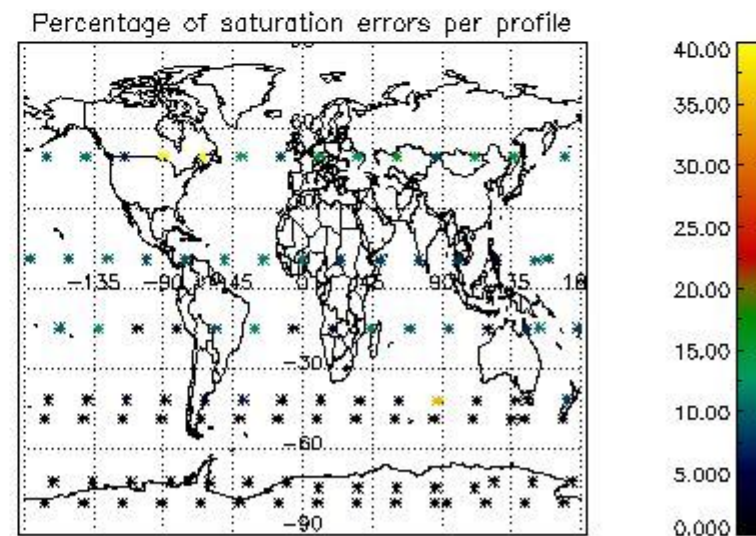
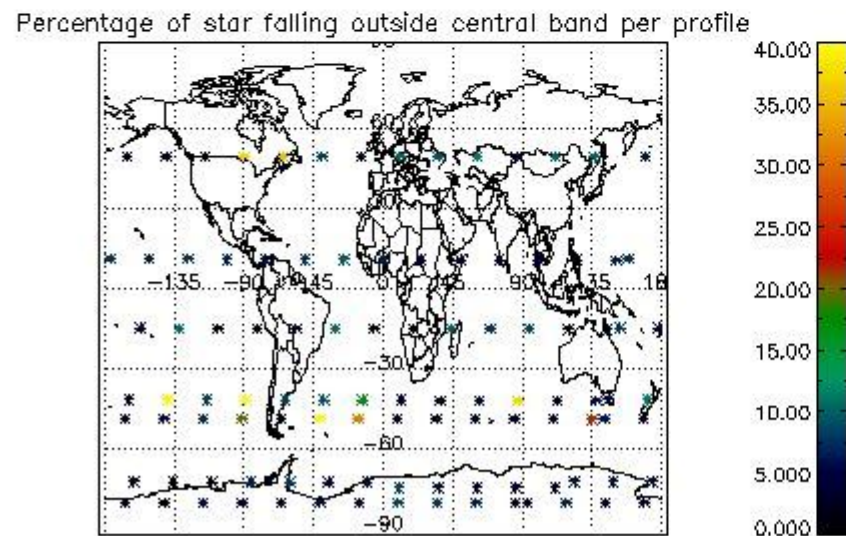
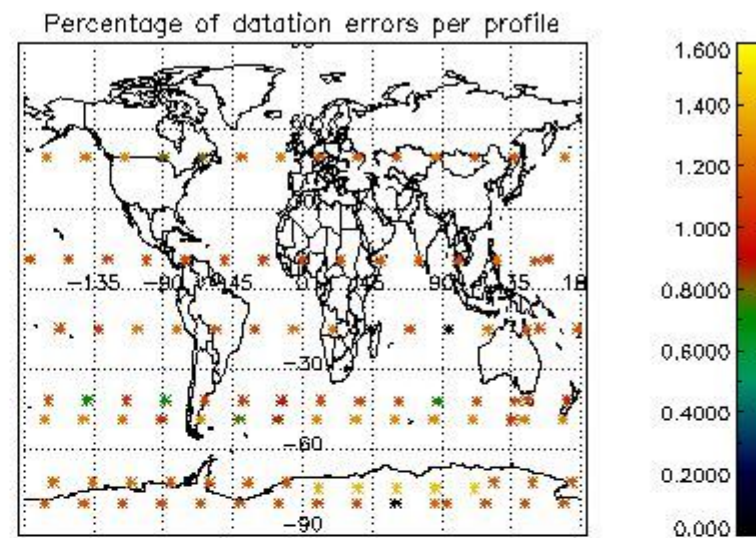
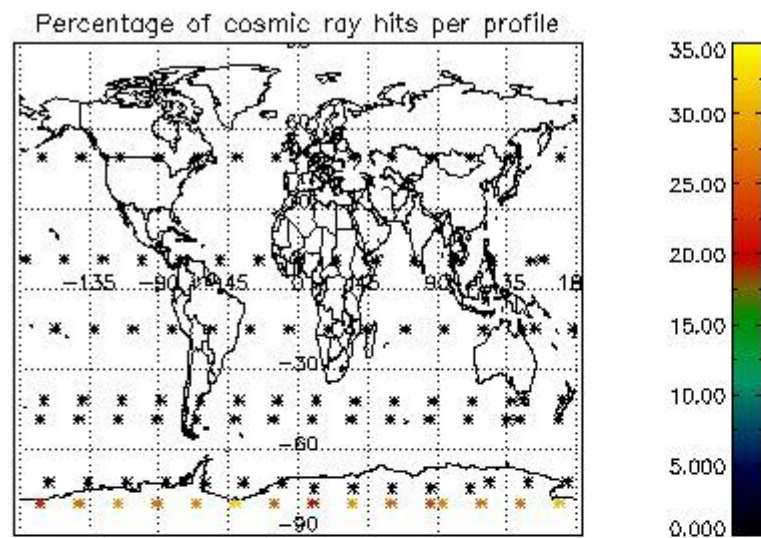
Percentage of star falling outside central band per profile



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.

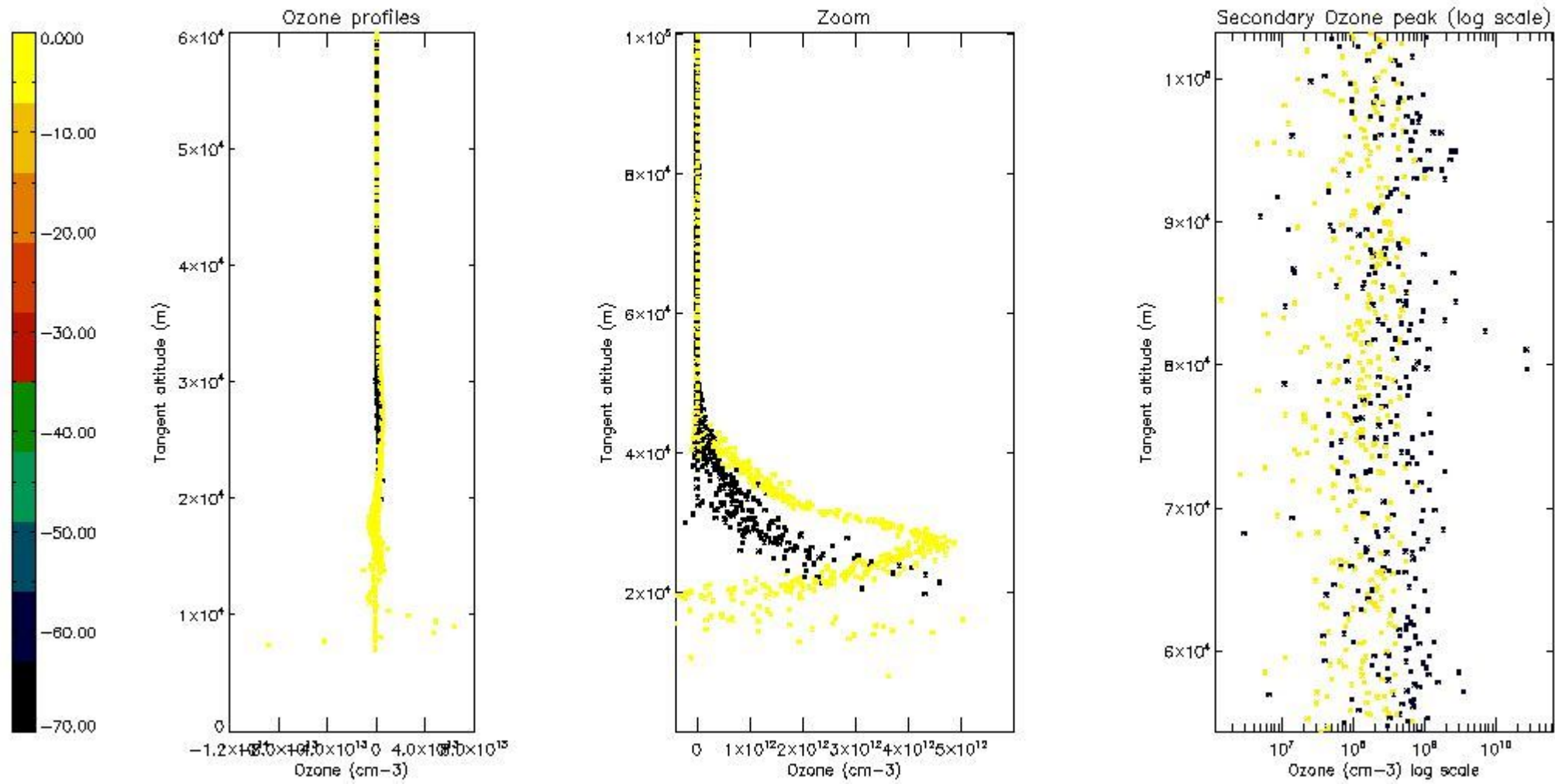
Criteria	% of total production
All STD	16
STD < 20	3



STD < 10	2
STD < 5	0

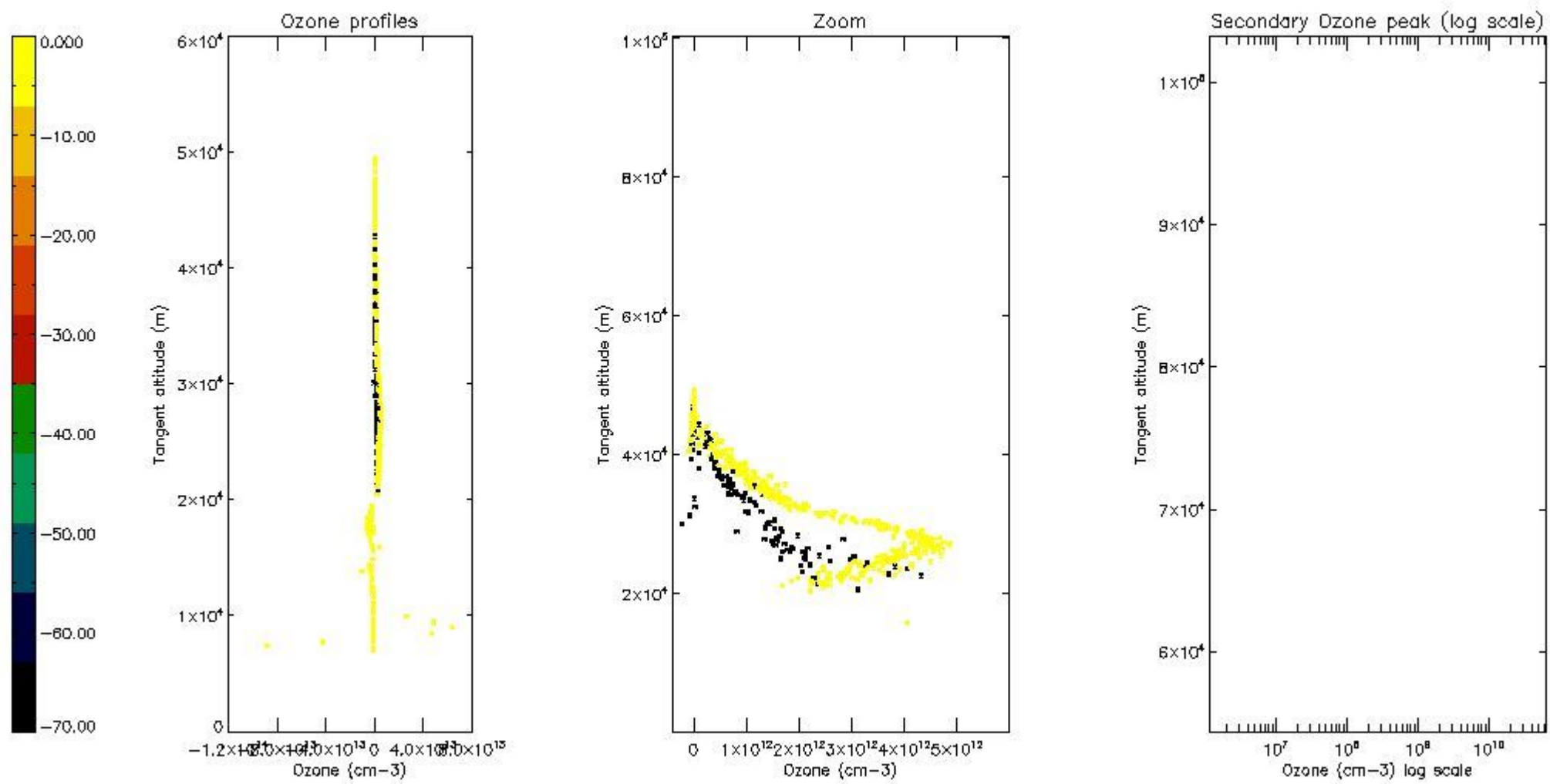
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

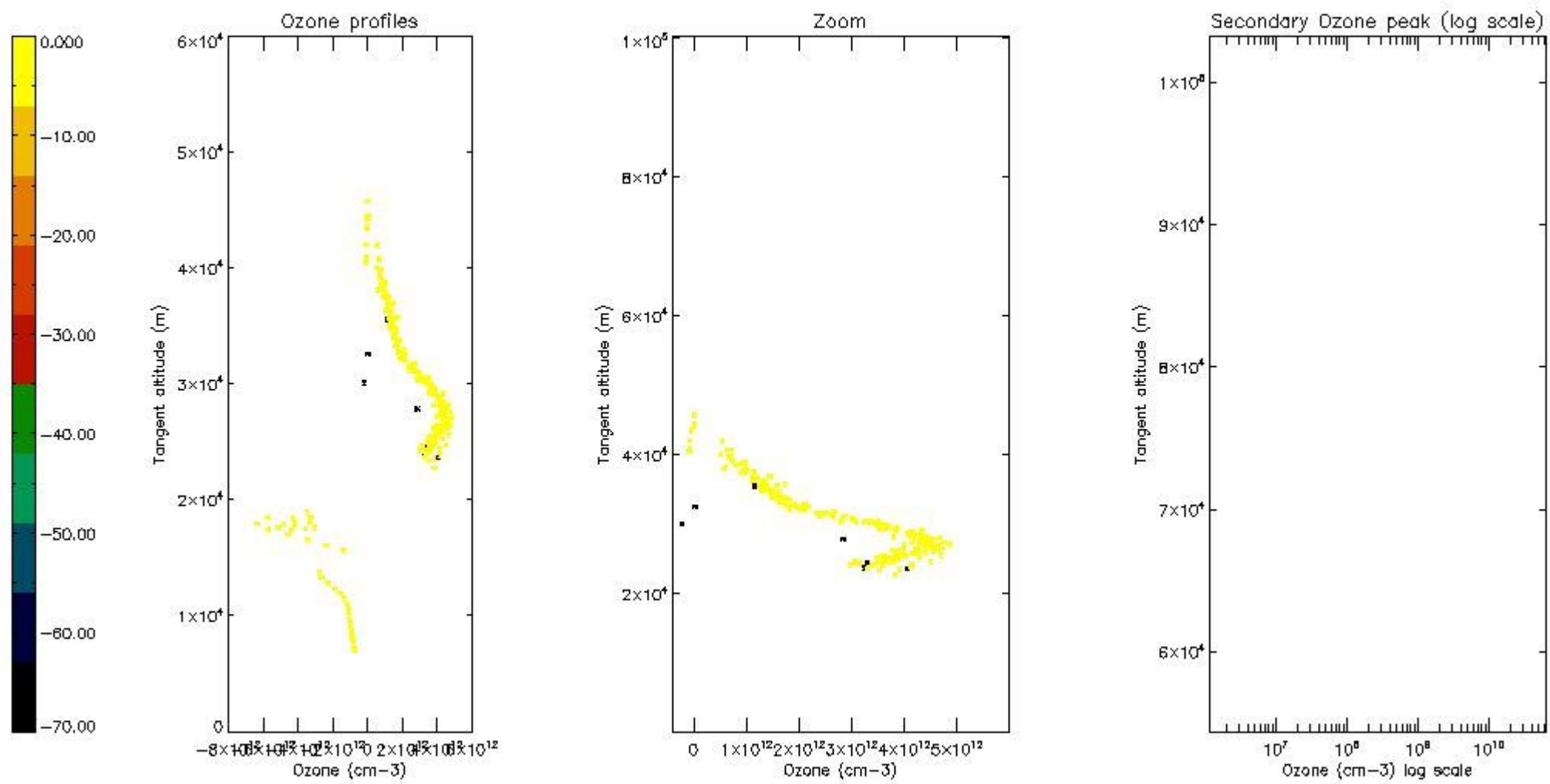
The colorbar represents the latitude.



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

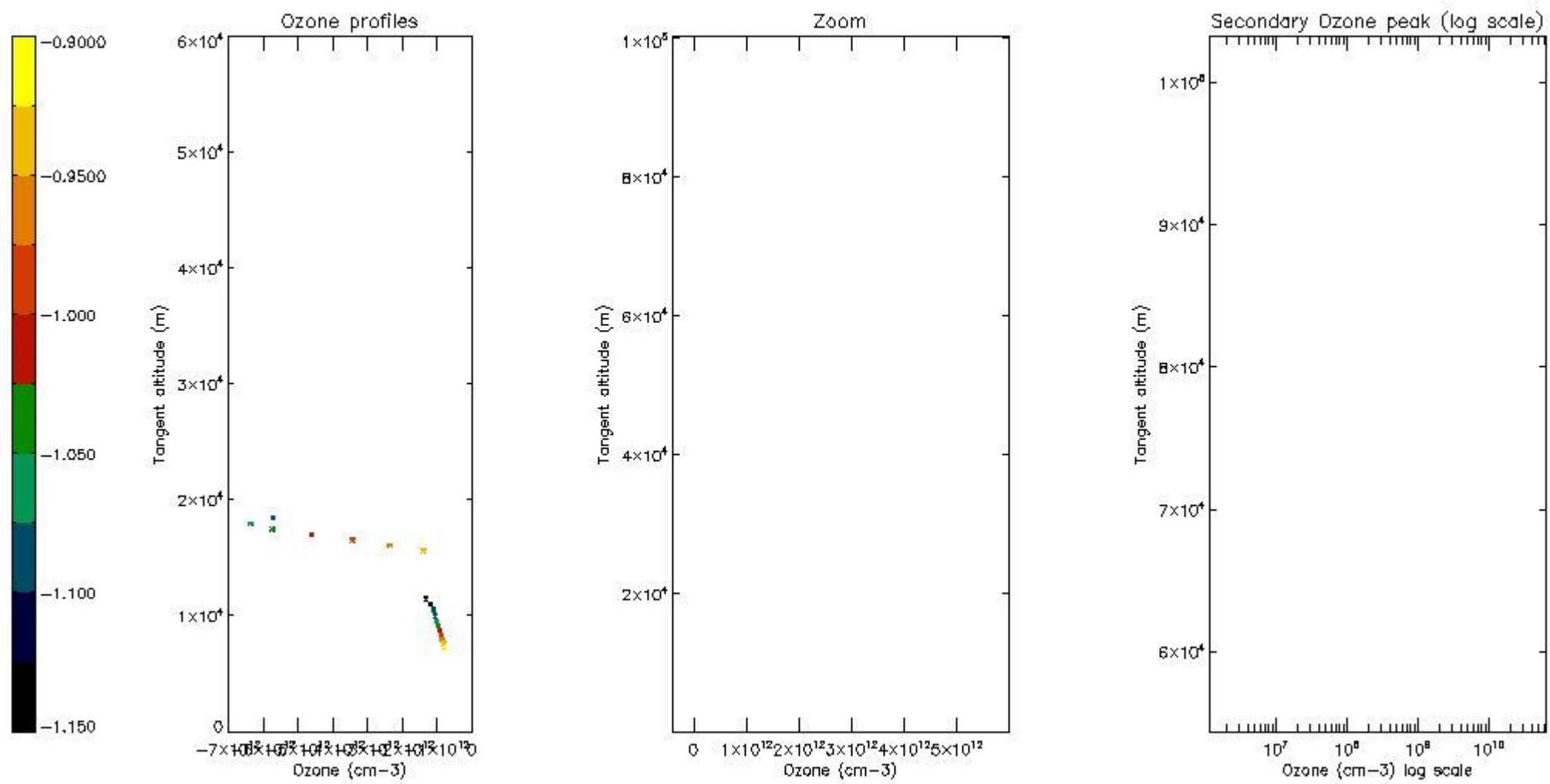
The colorbar represents the latitude.





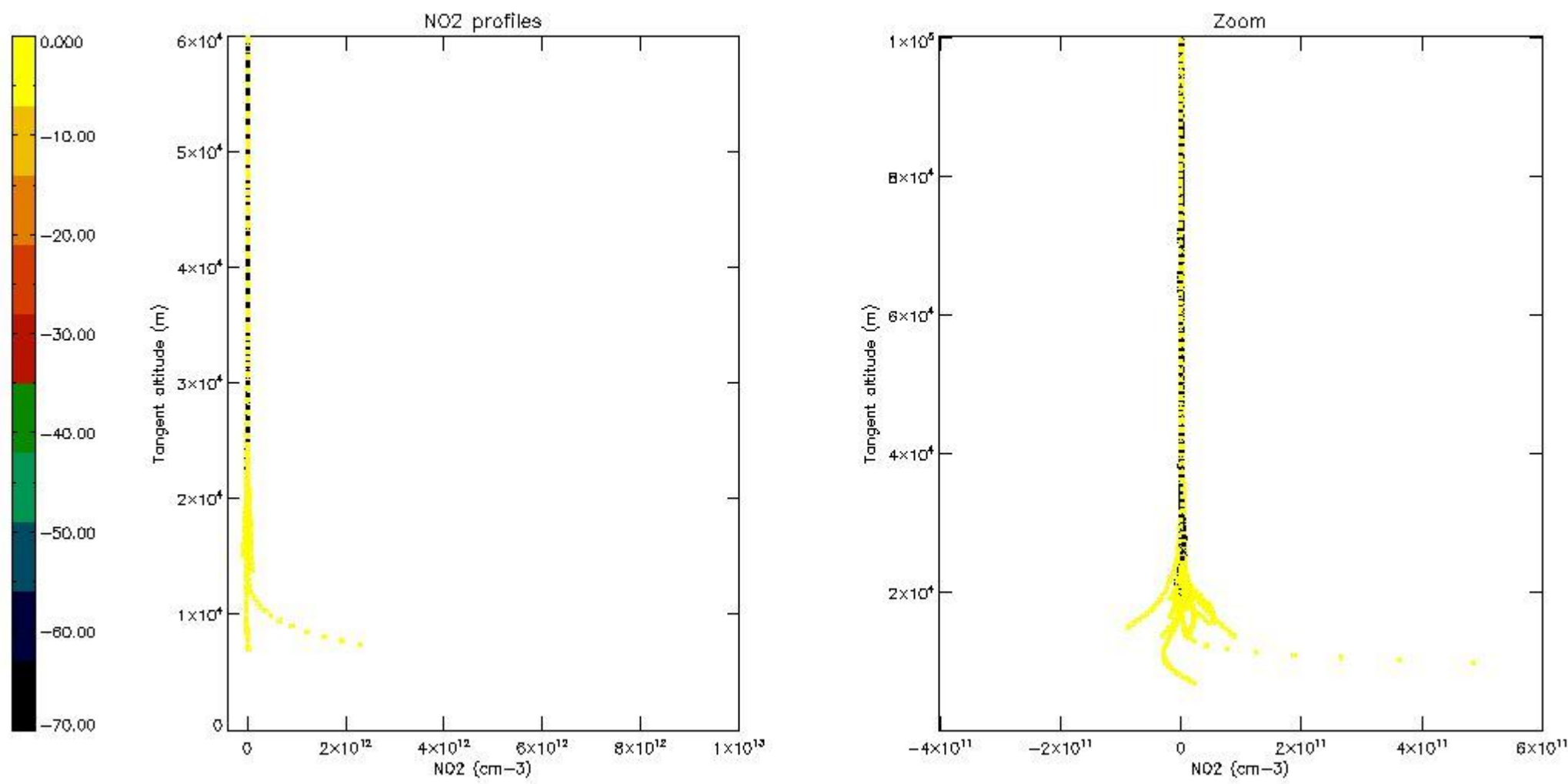
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



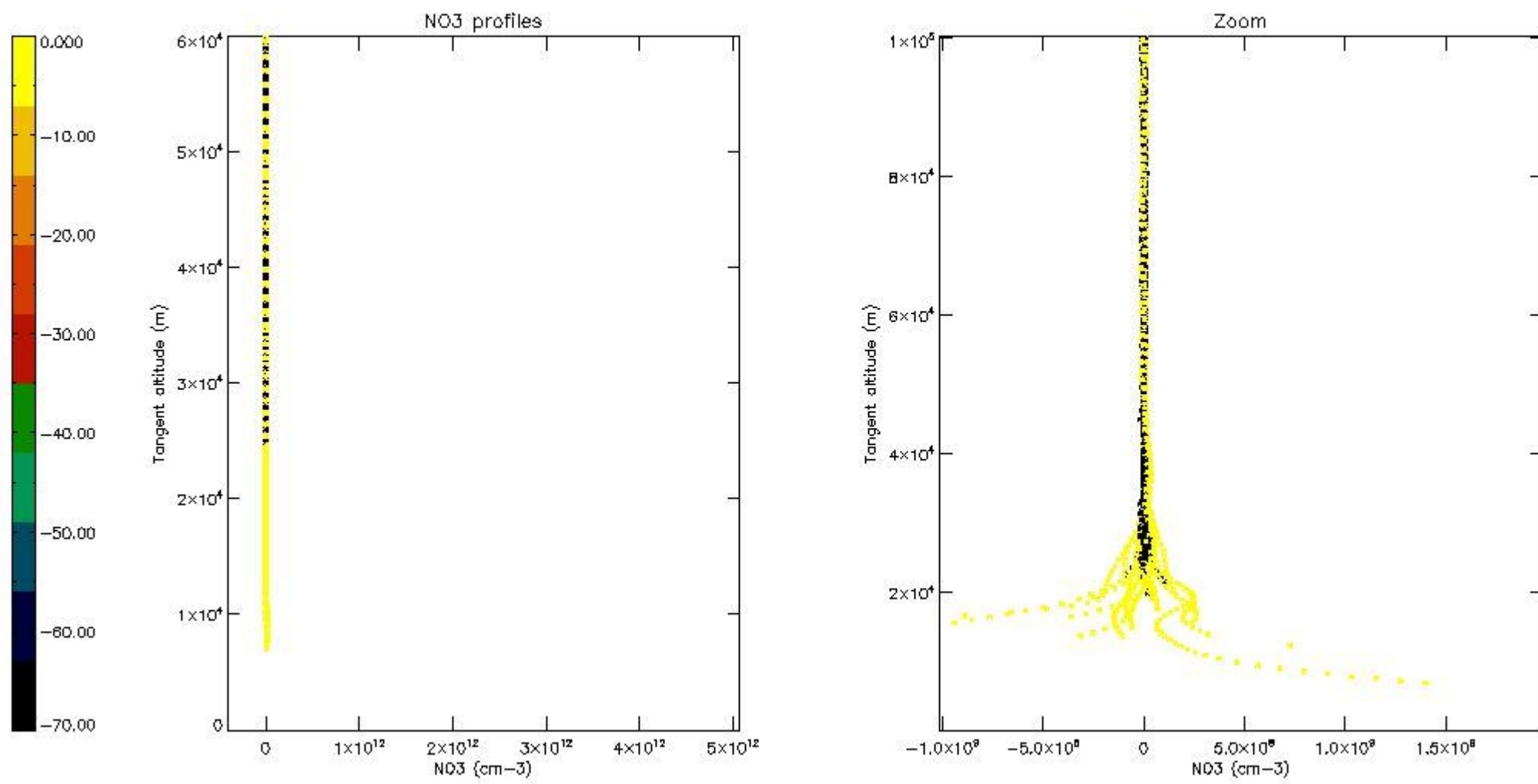
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

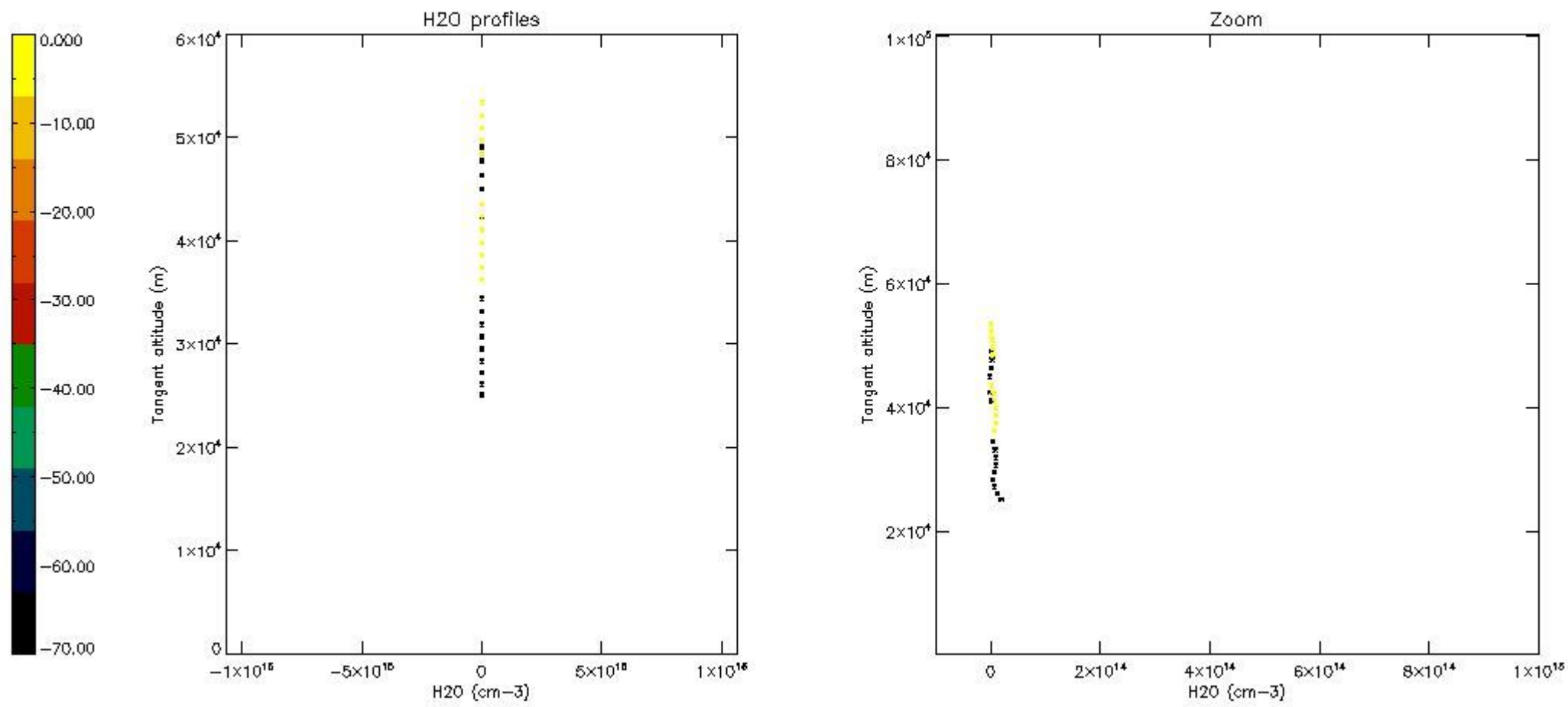
The colorbar represents the latitude.



5.8 Plot H<sub>2</sub>O 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	09-JUL-2009 00:04:21
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	09-JUL-2009 00:04:21
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	09-JUL-2009 00:04:21

# GOMOS Level 2 Daily Report

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

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

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

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

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

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

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

Item	Value
Time of report generation	26APR2013 10:42:18
Data source version	GOMOS/6.01
Start time of products	09-07-2009 (09JUL2009 00:00:00)
Stop time of products	10-07-2009 (10JUL2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	174
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__2PRFIN20090709_000421_000000462080_00331_38461_9066.N1	09-JUL-2009 00:04:21	Bright	45.500	144	18Del Cyg	2.8600	11000.	91	38461	No
2	GOM_NL__2PRFIN20090709_001134_000000442080_00331_38461_9067.N1	09-JUL-2009 00:11:34	Bright	43.500	89	5Alp Cep	2.4510	8000.0	87	38461	No
3	GOM_NL__2PRFIN20090709_001906_000000462080_00331_38461_9068.N1	09-JUL-2009 00:19:06	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	38461	No
4	GOM_NL__2PRFIN20090709_002105_000000492080_00331_38461_9069.N1	09-JUL-2009 00:21:05	Bright	48.500	110	37Del Cas	2.6780	8900.0	97	38461	No
5	GOM_NL__2PRFIN20090709_002843_000000352080_00331_38461_9070.N1	09-JUL-2009 00:28:43	Bright	34.500	79	26Bet Per	2.3100	13100.	69	38461	No
6	GOM_NL__2PRFIN20090709_003058_000000432080_00331_38461_9071.N1	09-JUL-2009 00:30:58	Twilight	42.500	173	4Bet Tri	3.0040	8900.0	85	38461	No
7	GOM_NL__2PRFIN20090709_004100_000000412080_00331_38461_9072.N1	09-JUL-2009 00:41:00	Dark	41.000	94	92Alp Cet	2.5260	3100.0	82	38461	No
8	GOM_NL__2PRFIN20090709_010123_000000532080_00332_38462_9076.N1	09-JUL-2009 01:01:23	Dark	52.500	84	Alp Phe	2.3970	4500.0	105	38462	No
9	GOM_NL__2PRFIN20090709_010736_000000662080_00332_38462_9077.N1	09-JUL-2009 01:07:36	Straylight	66.000	63	Bet Gru	2.1500	2800.0	132	38462	No
10	GOM_NL__2PRFIN20090709_010923_000000502080_00332_38462_9078.N1	09-JUL-2009 01:09:23	Straylight	49.500	31	Alp Gru	1.7340	15200.	99	38462	No
11	GOM_NL__2PRFIN20090709_011231_000000562080_00332_38462_9079.N1	09-JUL-2009 01:12:31	Straylight	55.500	172	Gam Gru	3.0030	13100.	111	38462	No
12	GOM_NL__2PRFIN20090709_013405_000000452080_00332_38462_9080.N1	09-JUL-2009 01:34:05	Bright	45.000	168	17Zet Aql	2.9860	11000.	90	38462	No
13	GOM_NL__2PRFIN20090709_014456_000000422080_00332_38462_9081.N1	09-JUL-2009 01:44:56	Bright	41.500	144	18Del Cyg	2.8600	11000.	83	38462	No
14	GOM_NL__2PRFIN20090709_015209_000000422080_00332_38462_9082.N1	09-JUL-2009 01:52:09	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	38462	No
15	GOM_NL__2PRFIN20090709_015941_000000462080_00332_38462_9083.N1	09-JUL-2009 01:59:41	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	38462	No
16	GOM_NL__2PRFIN20090709_020140_000000402080_00332_38462_9084.N1	09-JUL-2009 02:01:40	Bright	39.500	110	37Del Cas	2.6780	8900.0	79	38462	No
17	GOM_NL__2PRFIN20090709_020919_000000352080_00332_38462_9085.N1	09-JUL-2009 02:09:19	Bright	35.000	79	26Bet Per	2.3100	13100.	70	38462	No
18	GOM_NL__2PRFIN20090709_021134_000000452080_00332_38462_9086.N1	09-JUL-2009 02:11:34	Twilight	44.500	173	4Bet Tri	3.0040	8900.0	89	38462	No
19	GOM_NL__2PRFIN20090709_022136_000000402080_00332_38462_9087.N1	09-JUL-2009 02:21:36	Dark	40.000	94	92Alp Cet	2.5260	3100.0	80	38462	No
20	GOM_NL__2PRFIN20090709_024159_000000562080_00333_38463_9087.N1	09-JUL-2009 02:41:59	Dark	55.500	84	Alp Phe	2.3970	4500.0	111	38463	No
21	GOM_NL__2PRFIN20090709_024813_000000632080_00333_38463_9088.N1	09-JUL-2009 02:48:13	Straylight	63.000	63	Bet Gru	2.1500	2800.0	126	38463	No
22	GOM_NL__2PRFIN20090709_025000_000000512080_00333_38463_9089.N1	09-JUL-2009 02:50:00	Straylight	50.500	31	Alp Gru	1.7340	15200.	101	38463	No
23	GOM_NL__2PRFIN20090709_025307_000000572080_00333_38463_9090.N1	09-JUL-2009 02:53:07	Straylight	57.000	172	Gam Gru	3.0030	13100.	114	38463	No
24	GOM_NL__2PRFIN20090709_031440_000000452080_00333_38463_9091.N1	09-JUL-2009 03:14:40	Bright	45.000	168	17Zet Aql	2.9860	11000.	90	38463	No
25	GOM_NL__2PRFIN20090709_032531_000000452080_00333_38463_9092.N1	09-JUL-2009 03:25:31	Bright	44.500	144	18Del Cyg	2.8600	11000.	89	38463	No
26	GOM_NL__2PRFIN20090709_033245_000000462080_00333_38463_9093.N1	09-JUL-2009 03:32:45	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	38463	No
27	GOM_NL__2PRFIN20090709_034016_000000702080_00333_38463_9094.N1	09-JUL-2009 03:40:16	Bright	69.500	74	11Bet Cas	2.2680	6600.0	139	38463	No
28	GOM_NL__2PRFIN20090709_034216_000000402080_00333_38463_9095.N1	09-JUL-2009 03:42:16	Bright	39.500	110	37Del Cas	2.6780	8900.0	79	38463	No
29	GOM_NL__2PRFIN20090709_034955_000000352080_00333_38463_9096.N1	09-JUL-2009 03:49:55	Bright	35.000	79	26Bet Per	2.3100	13100.	70	38463	No
30	GOM_NL__2PRFIN20090709_035210_000000462080_00333_38463_9097.N1	09-JUL-2009 03:52:10	Twilight	45.500	173	4Bet Tri	3.0040	8900.0	91	38463	No
31	GOM_NL__2PRFIN20090709_040213_000000422080_00333_38463_9098.N1	09-JUL-2009 04:02:13	Dark	41.500	94	92Alp Cet	2.5260	3100.0	83	38463	No
32	GOM_NL__2PRFIN20090709_042237_000000502080_00334_38464_9099.N1	09-JUL-2009 04:22:37	Dark	49.500	84	Alp Phe	2.3970	4500.0	99	38464	No
33	GOM_NL__2PRFIN20090709_042850_000000652080_00334_38464_9100.N1	09-JUL-2009 04:28:50	Straylight	65.000	63	Bet Gru	2.1500	2800.0	130	38464	No
34	GOM_NL__2PRFIN20090709_043037_000000582080_00334_38464_9101.N1	09-JUL-2009 04:30:37	Straylight	57.500	31	Alp Gru	1.7340	15200.	115	38464	No
35	GOM_NL__2PRFIN20090709_043344_000000542080_00334_38464_9102.N1	09-JUL-2009 04:33:44	Straylight	53.500	172	Gam Gru	3.0030	13100.	107	38464	No
36	GOM_NL__2PRFIN20090709_045516_000000412080_00334_38464_9103.N1	09-JUL-2009 04:55:16	Bright	41.000	168	17Zet Aql	2.9860	11000.	82	38464	No
37	GOM_NL__2PRFIN20090709_050606_000000452080_00334_38464_9104.N1	09-JUL-2009 05:06:06	Bright	44.500	144	18Del Cyg	2.8600	11000.	89	38464	No
38	GOM_NL__2PRFIN20090709_051320_000000462080_00334_38464_9105.N1	09-JUL-2009 05:13:20	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	38464	No
39	GOM_NL__2PRFIN20090709_052051_000000462080_00334_38464_9106.N1	09-JUL-2009 05:20:51	Bright	46.000	74	11Bet Cas	2.2680	6600.0	92	38464	No
40	GOM_NL__2PRFIN20090709_052251_000000402080_00334_38464_9107.N1	09-JUL-2009 05:22:51	Bright	39.500	110	37Del Cas	2.6780	8900.0	79	38464	No
41	GOM_NL__2PRFIN20090709_053031_000000362080_00334_38464_9108.N1	09-JUL-2009 05:30:31	Bright	35.500	79	26Bet Per	2.3100	13100.	71	38464	No
42	GOM_NL__2PRFIN20090709_053246_000000462080_00334_38464_9109.N1	09-JUL-2009 05:32:46	Twilight	46.000	173	4Bet Tri	3.0040	8900.0	92	38464	No

43	GOM_NL__2PRFIN20090709_054250_000000422080_00334_38464_9110.N1	09-JUL-2009 05:42:50	Dark	42.000	94	92Alp Cet	2.5260	3100.0	84	38464	No
44	GOM_NL__2PRFIN20090709_060314_000000522080_00335_38465_9137.N1	09-JUL-2009 06:03:14	Dark	51.500	84	Alp Phe	2.3970	4500.0	103	38465	No
45	GOM_NL__2PRFIN20090709_060927_000000522080_00335_38465_9138.N1	09-JUL-2009 06:09:27	Straylight	52.000	63	Bet Gru	2.1500	2800.0	104	38465	No
46	GOM_NL__2PRFIN20090709_061113_000000502080_00335_38465_9139.N1	09-JUL-2009 06:11:13	Straylight	50.000	31	Alp Gru	1.7340	15200.	100	38465	No
47	GOM_NL__2PRFIN20090709_061421_000000542080_00335_38465_9140.N1	09-JUL-2009 06:14:21	Straylight	53.500	172	Gam Gru	3.0030	13100.	107	38465	No
48	GOM_NL__2PRFIN20090709_063552_000000452080_00335_38465_9141.N1	09-JUL-2009 06:35:52	Bright	45.000	168	17Zet Aql	2.9860	11000.	90	38465	No
49	GOM_NL__2PRFIN20090709_064642_000000452080_00335_38465_9142.N1	09-JUL-2009 06:46:42	Bright	44.500	144	18Del Cyg	2.8600	11000.	89	38465	No
50	GOM_NL__2PRFIN20090709_065356_000000462080_00335_38465_9143.N1	09-JUL-2009 06:53:56	Bright	46.000	89	5Alp Cep	2.4510	8000.0	92	38465	No
51	GOM_NL__2PRFIN20090709_070127_000000462080_00335_38465_9144.N1	09-JUL-2009 07:01:27	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	38465	No
52	GOM_NL__2PRFIN20090709_070327_000000392080_00335_38465_9145.N1	09-JUL-2009 07:03:27	Bright	38.500	110	37Del Cas	2.6780	8900.0	77	38465	No
53	GOM_NL__2PRFIN20090709_071107_000000372080_00335_38465_9146.N1	09-JUL-2009 07:11:07	Bright	36.500	79	26Bet Per	2.3100	13100.	73	38465	No
54	GOM_NL__2PRFIN20090709_071322_000000452080_00335_38465_9147.N1	09-JUL-2009 07:13:22	Tw_i_and_stray	45.000	173	4Bet Tri	3.0040	8900.0	90	38465	No
55	GOM_NL__2PRFIN20090709_072326_000000422080_00335_38465_9148.N1	09-JUL-2009 07:23:26	Dark	41.500	94	92Alp Cet	2.5260	3100.0	83	38465	No
56	GOM_NL__2PRFIN20090709_074351_000000642080_00336_38466_9152.N1	09-JUL-2009 07:43:51	Dark	64.000	84	Alp Phe	2.3970	4500.0	128	38466	No
57	GOM_NL__2PRFIN20090709_075004_000000672080_00336_38466_9153.N1	09-JUL-2009 07:50:04	Straylight	66.500	63	Bet Gru	2.1500	2800.0	133	38466	No
58	GOM_NL__2PRFIN20090709_075150_000000572080_00336_38466_9154.N1	09-JUL-2009 07:51:50	Straylight	56.500	31	Alp Gru	1.7340	15200.	113	38466	No
59	GOM_NL__2PRFIN20090709_075458_000000552080_00336_38466_9155.N1	09-JUL-2009 07:54:58	Straylight	55.000	172	Gam Gru	3.0030	13100.	110	38466	No
60	GOM_NL__2PRFIN20090709_081627_000000432080_00336_38466_9156.N1	09-JUL-2009 08:16:27	Bright	43.000	168	17Zet Aql	2.9860	11000.	86	38466	No
61	GOM_NL__2PRFIN20090709_082717_000000452080_00336_38466_9157.N1	09-JUL-2009 08:27:17	Bright	44.500	144	18Del Cyg	2.8600	11000.	89	38466	No
62	GOM_NL__2PRFIN20090709_083431_000000422080_00336_38466_9158.N1	09-JUL-2009 08:34:31	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	38466	No
63	GOM_NL__2PRFIN20090709_084202_000000462080_00336_38466_9159.N1	09-JUL-2009 08:42:02	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	38466	No
64	GOM_NL__2PRFIN20090709_084403_000000402080_00336_38466_9160.N1	09-JUL-2009 08:44:03	Bright	39.500	110	37Del Cas	2.6780	8900.0	79	38466	No
65	GOM_NL__2PRFIN20090709_085100_000000452080_00336_38466_9161.N1	09-JUL-2009 08:51:00	Bright	44.500	73	57Gam1And	2.2600	13100.	89	38466	No
66	GOM_NL__2PRFIN20090709_085358_000000452080_00336_38466_9162.N1	09-JUL-2009 08:53:58	Tw_i_and_stray	45.000	173	4Bet Tri	3.0040	8900.0	90	38466	No
67	GOM_NL__2PRFIN20090709_090403_000000432080_00336_38466_9163.N1	09-JUL-2009 09:04:03	Dark	43.000	94	92Alp Cet	2.5260	3100.0	86	38466	No
68	GOM_NL__2PRFIN20090709_092428_000000632080_00337_38467_9177.N1	09-JUL-2009 09:24:28	Dark	63.000	84	Alp Phe	2.3970	4500.0	126	38467	No
69	GOM_NL__2PRFIN20090709_093041_000000602080_00337_38467_9178.N1	09-JUL-2009 09:30:41	Straylight	60.000	63	Bet Gru	2.1500	2800.0	120	38467	No
70	GOM_NL__2PRFIN20090709_093227_000000532080_00337_38467_9179.N1	09-JUL-2009 09:32:27	Straylight	53.000	31	Alp Gru	1.7340	15200.	106	38467	No
71	GOM_NL__2PRFIN20090709_093535_000000562080_00337_38467_9180.N1	09-JUL-2009 09:35:35	Straylight	56.000	172	Gam Gru	3.0030	13100.	112	38467	No
72	GOM_NL__2PRFIN20090709_095702_000000452080_00337_38467_9181.N1	09-JUL-2009 09:57:02	Bright	44.500	168	17Zet Aql	2.9860	11000.	89	38467	No
73	GOM_NL__2PRFIN20090709_100752_000000462080_00337_38467_9182.N1	09-JUL-2009 10:07:52	Bright	45.500	144	18Del Cyg	2.8600	11000.	91	38467	No
74	GOM_NL__2PRFIN20090709_101506_000000422080_00337_38467_9183.N1	09-JUL-2009 10:15:06	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	38467	No
75	GOM_NL__2PRFIN20090709_102238_000000532080_00337_38467_9184.N1	09-JUL-2009 10:22:38	Bright	52.500	74	11Bet Cas	2.2680	6600.0	105	38467	No
76	GOM_NL__2PRFIN20090709_102438_000000582080_00337_38467_9185.N1	09-JUL-2009 10:24:38	Bright	58.000	110	37Del Cas	2.6780	8900.0	116	38467	No
77	GOM_NL__2PRFIN20090709_103136_000000442080_00337_38467_9186.N1	09-JUL-2009 10:31:36	Bright	43.500	73	57Gam1And	2.2600	13100.	87	38467	No
78	GOM_NL__2PRFIN20090709_103434_000000452080_00337_38467_9187.N1	09-JUL-2009 10:34:34	Tw_i_and_stray	45.000	173	4Bet Tri	3.0040	8900.0	90	38467	No
79	GOM_NL__2PRFIN20090709_104439_000000432080_00337_38467_9188.N1	09-JUL-2009 10:44:39	Dark	43.000	94	92Alp Cet	2.5260	3100.0	86	38467	No
80	GOM_NL__2PRFIN20090709_110505_000000512080_00338_38468_9186.N1	09-JUL-2009 11:05:05	Dark	50.500	84	Alp Phe	2.3970	4500.0	101	38468	No
81	GOM_NL__2PRFIN20090709_111117_000000562080_00338_38468_9187.N1	09-JUL-2009 11:11:17	Straylight	55.500	63	Bet Gru	2.1500	2800.0	111	38468	No
82	GOM_NL__2PRFIN20090709_111304_000000552080_00338_38468_9188.N1	09-JUL-2009 11:13:04	Straylight	54.500	31	Alp Gru	1.7340	15200.	109	38468	No
83	GOM_NL__2PRFIN20090709_111612_000000562080_00338_38468_9189.N1	09-JUL-2009 11:16:12	Straylight	56.000	172	Gam Gru	3.0030	13100.	112	38468	No
84	GOM_NL__2PRFIN20090709_113738_000000412080_00338_38468_9190.N1	09-JUL-2009 11:37:38	Bright	40.500	168	17Zet Aql	2.9860	11000.	81	38468	No
85	GOM_NL__2PRFIN20090709_114827_000000472080_00338_38468_9191.N1	09-JUL-2009 11:48:27	Bright	47.000	144	18Del Cyg	2.8600	11000.	94	38468	No
86	GOM_NL__2PRFIN20090709_115541_000000472080_00338_38468_9192.N1	09-JUL-2009 11:55:41	Bright	46.500	89	5Alp Cep	2.4510	8000.0	93	38468	No
87	GOM_NL__2PRFIN20090709_120313_000000482080_00338_38468_9193.N1	09-JUL-2009 12:03:13	Bright	48.000	74	11Bet Cas	2.2680	6600.0	96	38468	No
88	GOM_NL__2PRFIN20090709_120514_000000652080_00338_38468_9194.N1	09-JUL-2009 12:05:14	Bright	65.000	110	37Del Cas	2.6780	8900.0	130	38468	No
89	GOM_NL__2PRFIN20090709_121212_000000452080_00338_38468_9195.N1	09-JUL-2009 12:12:12	Bright	44.500	73	57Gam1And	2.2600	13100.	89	38468	No
90	GOM_NL__2PRFIN20090709_121510_000000462080_00338_38468_9196.N1	09-JUL-2009 12:15:10	Tw_i_and_stray	45.500	173	4Bet Tri	3.0040	8900.0	91	38468	No
91	GOM_NL__2PRFIN20090709_122516_000000452080_00338_38468_9197.N1	09-JUL-2009 12:25:16	Dark	44.500	94	92Alp Cet	2.5260	3100.0	89	38468	No
92	GOM_NL__2PRFIN20090709_124542_000000502080_00339_38469_9200.N1	09-JUL-2009 12:45:42	Dark	50.000	84	Alp Phe	2.3970	4500.0	100	38469	No
93	GOM_NL__2PRFIN20090709_125154_000000582080_00339_38469_9201.N1	09-JUL-2009 12:51:54	Straylight	57.500	63	Bet Gru	2.1500	2800.0	115	38469	No
94	GOM_NL__2PRFIN20090709_125340_000000502080_00339_38469_9202.N1	09-JUL-2009 12:53:40	Straylight	49.500	31	Alp Gru	1.7340	15200.	99	38469	No
95	GOM_NL__2PRFIN20090709_125648_000000562080_00339_38469_9203.N1	09-JUL-2009 12:56:48	Straylight	56.000	172	Gam Gru	3.0030	13100.	112	38469	No
96	GOM_NL__2PRFIN20090709_131814_000000442080_00339_38469_9204.N1	09-JUL-2009 13:18:14	Bright	43.500	168	17Zet Aql	2.9860	11000.	87	38469	No
97	GOM_NL__2PRFIN20090709_132903_000000462080_00339_38469_9205.N1	09-JUL-2009 13:29:03	Bright	46.000	144	18Del Cyg	2.8600	11000.	92	38469	No
98	GOM_NL__2PRFIN20090709_133617_000000452080_00339_38469_9206.N1	09-JUL-2009 13:36:17	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	38469	No
99	GOM_NL__2PRFIN20090709_134348_000000472080_00339_38469_9207.N1	09-JUL-2009 13:43:48	Bright	47.000	74	11Bet Cas	2.2680	6600.0	94	38469	No
100	GOM_NL__2PRFIN20090709_134549_000000392080_00339_38469_9208.N1	09-JUL-2009 13:45:49	Bright	39.000	110	37Del Cas	2.6780	8900.0	78	38469	No
101	GOM_NL__2PRFIN20090709_135248_000000452080_00339_38469_9209.N1	09-JUL-2009 13:52:48	Bright	44.500	73	57Gam1And	2.2600	13100.	89	38469	No



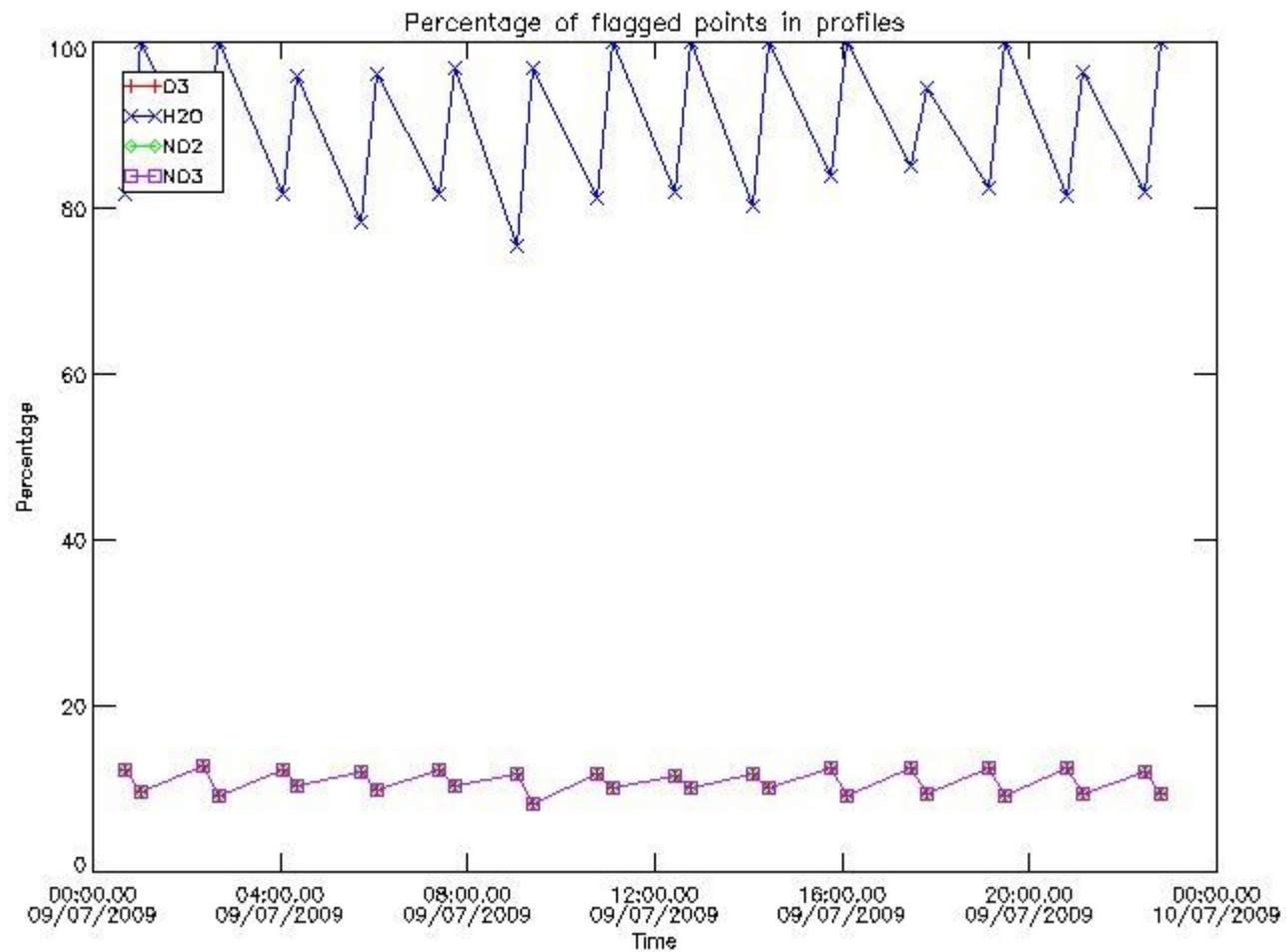
102	GOM_NL__2PRFIN20090709_135546_000000462080_00339_38469_9210.N1	09-JUL-2009 13:55:46	Twilight	45.500	173	4Bet Tri	3.0040	8900.0	91	38469	No
103	GOM_NL__2PRFIN20090709_140552_000000442080_00339_38469_9211.N1	09-JUL-2009 14:05:52	Dark	43.500	94	92Alp Cet	2.5260	3100.0	87	38469	No
104	GOM_NL__2PRFIN20090709_142619_000000502080_00340_38470_9214.N1	09-JUL-2009 14:26:19	Dark	50.000	84	Alp Phe	2.3970	4500.0	100	38470	No
105	GOM_NL__2PRFIN20090709_143231_000000512080_00340_38470_9215.N1	09-JUL-2009 14:32:31	Straylight	51.000	63	Bet Gru	2.1500	2800.0	102	38470	No
106	GOM_NL__2PRFIN20090709_143417_000000492080_00340_38470_9216.N1	09-JUL-2009 14:34:17	Straylight	48.500	31	Alp Gru	1.7340	15200.	97	38470	No
107	GOM_NL__2PRFIN20090709_143725_000000552080_00340_38470_9217.N1	09-JUL-2009 14:37:25	Straylight	54.500	172	Gam Gru	3.0030	13100.	109	38470	No
108	GOM_NL__2PRFIN20090709_145849_000000622080_00340_38470_9218.N1	09-JUL-2009 14:58:49	Bright	62.000	168	17Zet Aql	2.9860	11000.	124	38470	No
109	GOM_NL__2PRFIN20090709_150938_000000462080_00340_38470_9219.N1	09-JUL-2009 15:09:38	Bright	45.500	144	18Del Cyg	2.8600	11000.	91	38470	No
110	GOM_NL__2PRFIN20090709_151652_000000422080_00340_38470_9220.N1	09-JUL-2009 15:16:52	Bright	41.500	89	5Alp Cep	2.4510	8000.0	83	38470	No
111	GOM_NL__2PRFIN20090709_152423_000000722080_00340_38470_9221.N1	09-JUL-2009 15:24:23	Bright	72.000	74	11Bet Cas	2.2680	6600.0	144	38470	No
112	GOM_NL__2PRFIN20090709_152625_000000482080_00340_38470_9222.N1	09-JUL-2009 15:26:25	Bright	48.000	110	37Del Cas	2.6780	8900.0	96	38470	No
113	GOM_NL__2PRFIN20090709_153324_000000422080_00340_38470_9223.N1	09-JUL-2009 15:33:24	Bright	42.000	73	57Gam1And	2.2600	13100.	84	38470	No
114	GOM_NL__2PRFIN20090709_153622_000000442080_00340_38470_9224.N1	09-JUL-2009 15:36:22	Twilight	44.000	173	4Bet Tri	3.0040	8900.0	88	38470	No
115	GOM_NL__2PRFIN20090709_154628_000000412080_00340_38470_9225.N1	09-JUL-2009 15:46:28	Dark	40.500	94	92Alp Cet	2.5260	3100.0	81	38470	No
116	GOM_NL__2PRFIN20090709_160656_000000562080_00341_38471_9228.N1	09-JUL-2009 16:06:56	Dark	55.500	84	Alp Phe	2.3970	4500.0	111	38471	No
117	GOM_NL__2PRFIN20090709_161308_000000512080_00341_38471_9229.N1	09-JUL-2009 16:13:08	Straylight	50.500	63	Bet Gru	2.1500	2800.0	101	38471	No
118	GOM_NL__2PRFIN20090709_161454_000000472080_00341_38471_9230.N1	09-JUL-2009 16:14:54	Straylight	47.000	31	Alp Gru	1.7340	15200.	94	38471	No
119	GOM_NL__2PRFIN20090709_161802_000000552080_00341_38471_9231.N1	09-JUL-2009 16:18:02	Straylight	55.000	172	Gam Gru	3.0030	13100.	110	38471	No
120	GOM_NL__2PRFIN20090709_163925_000000622080_00341_38471_9232.N1	09-JUL-2009 16:39:25	Bright	62.000	168	17Zet Aql	2.9860	11000.	124	38471	No
121	GOM_NL__2PRFIN20090709_165013_000000462080_00341_38471_9233.N1	09-JUL-2009 16:50:13	Bright	45.500	144	18Del Cyg	2.8600	11000.	91	38471	No
122	GOM_NL__2PRFIN20090709_165727_000000412080_00341_38471_9234.N1	09-JUL-2009 16:57:27	Bright	41.000	89	5Alp Cep	2.4510	8000.0	82	38471	No
123	GOM_NL__2PRFIN20090709_170459_000000482080_00341_38471_9235.N1	09-JUL-2009 17:04:59	Bright	48.000	74	11Bet Cas	2.2680	6600.0	96	38471	No
124	GOM_NL__2PRFIN20090709_170700_000000422080_00341_38471_9236.N1	09-JUL-2009 17:07:00	Bright	42.000	110	37Del Cas	2.6780	8900.0	84	38471	No
125	GOM_NL__2PRFIN20090709_171359_000000432080_00341_38471_9237.N1	09-JUL-2009 17:13:59	Bright	42.500	73	57Gam1And	2.2600	13100.	85	38471	No
126	GOM_NL__2PRFIN20090709_171658_000000442080_00341_38471_9238.N1	09-JUL-2009 17:16:58	Twilight	44.000	173	4Bet Tri	3.0040	8900.0	88	38471	No
127	GOM_NL__2PRFIN20090709_172705_000000412080_00341_38471_9239.N1	09-JUL-2009 17:27:05	Dark	40.500	94	92Alp Cet	2.5260	3100.0	81	38471	No
128	GOM_NL__2PRFIN20090709_174733_000000542080_00342_38472_9242.N1	09-JUL-2009 17:47:33	Dark	54.000	84	Alp Phe	2.3970	4500.0	108	38472	No
129	GOM_NL__2PRFIN20090709_175345_000000532080_00342_38472_9243.N1	09-JUL-2009 17:53:45	Straylight	53.000	63	Bet Gru	2.1500	2800.0	106	38472	No
130	GOM_NL__2PRFIN20090709_175531_000000472080_00342_38472_9244.N1	09-JUL-2009 17:55:31	Straylight	46.500	31	Alp Gru	1.7340	15200.	93	38472	No
131	GOM_NL__2PRFIN20090709_175839_000000532080_00342_38472_9245.N1	09-JUL-2009 17:58:39	Straylight	53.000	172	Gam Gru	3.0030	13100.	106	38472	No
132	GOM_NL__2PRFIN20090709_182001_000000402080_00342_38472_9246.N1	09-JUL-2009 18:20:01	Bright	40.000	168	17Zet Aql	2.9860	11000.	80	38472	No
133	GOM_NL__2PRFIN20090709_183049_000000462080_00342_38472_9247.N1	09-JUL-2009 18:30:49	Bright	46.000	144	18Del Cyg	2.8600	11000.	92	38472	No
134	GOM_NL__2PRFIN20090709_183803_000000482080_00342_38472_9248.N1	09-JUL-2009 18:38:03	Bright	47.500	89	5Alp Cep	2.4510	8000.0	95	38472	No
135	GOM_NL__2PRFIN20090709_184534_000000722080_00342_38472_9249.N1	09-JUL-2009 18:45:34	Bright	72.000	74	11Bet Cas	2.2680	6600.0	144	38472	No
136	GOM_NL__2PRFIN20090709_184736_000000402080_00342_38472_9250.N1	09-JUL-2009 18:47:36	Bright	40.000	110	37Del Cas	2.6780	8900.0	80	38472	No
137	GOM_NL__2PRFIN20090709_185435_000000432080_00342_38472_9251.N1	09-JUL-2009 18:54:35	Bright	43.000	73	57Gam1And	2.2600	13100.	86	38472	No
138	GOM_NL__2PRFIN20090709_185734_000000452080_00342_38472_9252.N1	09-JUL-2009 18:57:34	Twilight	44.500	173	4Bet Tri	3.0040	8900.0	89	38472	No
139	GOM_NL__2PRFIN20090709_190742_000000412080_00342_38472_9253.N1	09-JUL-2009 19:07:42	Dark	40.500	94	92Alp Cet	2.5260	3100.0	81	38472	No
140	GOM_NL__2PRFIN20090709_192810_000000562080_00343_38473_9255.N1	09-JUL-2009 19:28:10	Dark	55.500	84	Alp Phe	2.3970	4500.0	111	38473	No
141	GOM_NL__2PRFIN20090709_193421_000000532080_00343_38473_9256.N1	09-JUL-2009 19:34:21	Straylight	52.500	63	Bet Gru	2.1500	2800.0	105	38473	No
142	GOM_NL__2PRFIN20090709_193607_000000482080_00343_38473_9257.N1	09-JUL-2009 19:36:07	Straylight	47.500	31	Alp Gru	1.7340	15200.	95	38473	No
143	GOM_NL__2PRFIN20090709_193916_000000532080_00343_38473_9258.N1	09-JUL-2009 19:39:16	Straylight	53.000	172	Gam Gru	3.0030	13100.	106	38473	No
144	GOM_NL__2PRFIN20090709_200036_000000422080_00343_38473_9259.N1	09-JUL-2009 20:00:36	Bright	41.500	168	17Zet Aql	2.9860	11000.	83	38473	No
145	GOM_NL__2PRFIN20090709_201124_000000462080_00343_38473_9260.N1	09-JUL-2009 20:11:24	Bright	46.000	144	18Del Cyg	2.8600	11000.	92	38473	No
146	GOM_NL__2PRFIN20090709_201838_000000452080_00343_38473_9261.N1	09-JUL-2009 20:18:38	Bright	45.000	89	5Alp Cep	2.4510	8000.0	90	38473	No
147	GOM_NL__2PRFIN20090709_202609_000000452080_00343_38473_9262.N1	09-JUL-2009 20:26:09	Bright	45.000	74	11Bet Cas	2.2680	6600.0	90	38473	No
148	GOM_NL__2PRFIN20090709_202811_000000402080_00343_38473_9263.N1	09-JUL-2009 20:28:11	Bright	40.000	110	37Del Cas	2.6780	8900.0	80	38473	No
149	GOM_NL__2PRFIN20090709_203511_000000452080_00343_38473_9264.N1	09-JUL-2009 20:35:11	Bright	44.500	73	57Gam1And	2.2600	13100.	89	38473	No
150	GOM_NL__2PRFIN20090709_203810_000000462080_00343_38473_9265.N1	09-JUL-2009 20:38:10	Twilight	45.500	173	4Bet Tri	3.0040	8900.0	91	38473	No
151	GOM_NL__2PRFIN20090709_204818_000000412080_00343_38473_9266.N1	09-JUL-2009 20:48:18	Dark	41.000	94	92Alp Cet	2.5260	3100.0	82	38473	No
152	GOM_NL__2PRFIN20090709_210847_000000542080_00344_38474_9276.N1	09-JUL-2009 21:08:47	Dark	54.000	84	Alp Phe	2.3970	4500.0	108	38474	No
153	GOM_NL__2PRFIN20090709_211459_000000662080_00344_38474_9277.N1	09-JUL-2009 21:14:59	Straylight	65.500	63	Bet Gru	2.1500	2800.0	131	38474	No
154	GOM_NL__2PRFIN20090709_211644_000000552080_00344_38474_9278.N1	09-JUL-2009 21:16:44	Straylight	54.500	31	Alp Gru	1.7340	15200.	109	38474	No
155	GOM_NL__2PRFIN20090709_211953_000000552080_00344_38474_9279.N1	09-JUL-2009 21:19:53	Straylight	55.000	172	Gam Gru	3.0030	13100.	110	38474	No
156	GOM_NL__2PRFIN20090709_214112_000000412080_00344_38474_9280.N1	09-JUL-2009 21:41:12	Bright	41.000	168	17Zet Aql	2.9860	11000.	82	38474	No
157	GOM_NL__2PRFIN20090709_215159_000000462080_00344_38474_9281.N1	09-JUL-2009 21:51:59	Bright	45.500	144	18Del Cyg	2.8600	11000.	91	38474	No
158	GOM_NL__2PRFIN20090709_215913_000000452080_00344_38474_9282.N1	09-JUL-2009 21:59:13	Bright	44.500	89	5Alp Cep	2.4510	8000.0	89	38474	No
159	GOM_NL__2PRFIN20090709_220645_000000502080_00344_38474_9283.N1	09-JUL-2009 22:06:45	Bright	49.500	74	11Bet Cas	2.2680	6600.0	99	38474	No
160	GOM_NL__2PRFIN20090709_220847_000000402080_00344_38474_9284.N1	09-JUL-2009 22:08:47	Bright	40.000	110	37Del Cas	2.6780	8900.0	80	38474	No

161	GOM_NL__2PRFIN20090709_221547_000000442080_00344_38474_9285.N1	09-JUL-2009 22:15:47	Bright	44.000	73	57Gam1And	2.2600	13100.	88	38474	No
162	GOM_NL__2PRFIN20090709_221846_000000462080_00344_38474_9286.N1	09-JUL-2009 22:18:46	Twilight	45.500	173	4Bet Tri	3.0040	8900.0	91	38474	No
163	GOM_NL__2PRFIN20090709_222855_000000422080_00344_38474_9287.N1	09-JUL-2009 22:28:55	Dark	41.500	94	92Alp Cet	2.5260	3100.0	83	38474	No
164	GOM_NL__2PRFIN20090709_224924_000000552080_00345_38475_9314.N1	09-JUL-2009 22:49:24	Dark	54.500	84	Alp Phe	2.3970	4500.0	109	38475	No
165	GOM_NL__2PRFIN20090709_225535_000000542080_00345_38475_9315.N1	09-JUL-2009 22:55:35	Straylight	54.000	63	Bet Gru	2.1500	2800.0	108	38475	No
166	GOM_NL__2PRFIN20090709_225720_000000472080_00345_38475_9316.N1	09-JUL-2009 22:57:20	Straylight	47.000	31	Alp Gru	1.7340	15200.	94	38475	No
167	GOM_NL__2PRFIN20090709_230029_000000552080_00345_38475_9317.N1	09-JUL-2009 23:00:29	Straylight	54.500	172	Gam Gru	3.0030	13100.	109	38475	No
168	GOM_NL__2PRFIN20090709_232147_000000422080_00345_38475_9318.N1	09-JUL-2009 23:21:47	Bright	42.000	168	17Zet Aql	2.9860	11000.	84	38475	No
169	GOM_NL__2PRFIN20090709_233234_000000462080_00345_38475_9319.N1	09-JUL-2009 23:32:34	Bright	46.000	144	18Del Cyg	2.8600	11000.	92	38475	No
170	GOM_NL__2PRFIN20090709_233949_000000462080_00345_38475_9320.N1	09-JUL-2009 23:39:49	Bright	45.500	89	5Alp Cep	2.4510	8000.0	91	38475	No
171	GOM_NL__2PRFIN20090709_234720_000000462080_00345_38475_9321.N1	09-JUL-2009 23:47:20	Bright	45.500	74	11Bet Cas	2.2680	6600.0	91	38475	No
172	GOM_NL__2PRFIN20090709_234922_000000412080_00345_38475_9322.N1	09-JUL-2009 23:49:22	Bright	40.500	110	37Del Cas	2.6780	8900.0	81	38475	No
173	GOM_NL__2PRFIN20090709_235622_000000442080_00345_38475_9323.N1	09-JUL-2009 23:56:22	Bright	43.500	73	57Gam1And	2.2600	13100.	87	38475	No
174	GOM_NL__2PRFIN20090709_235922_000000452080_00345_38475_9324.N1	09-JUL-2009 23:59:22	Twilight	45.000	173	4Bet Tri	3.0040	8900.0	90	38475	No

### 3. Quality information per product

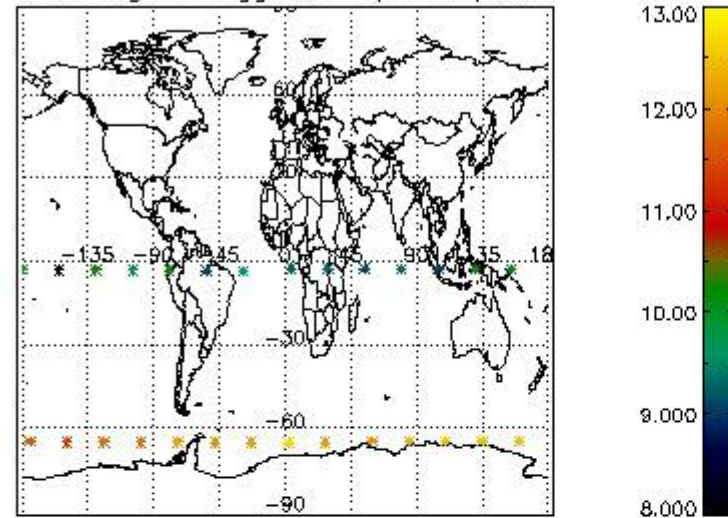
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

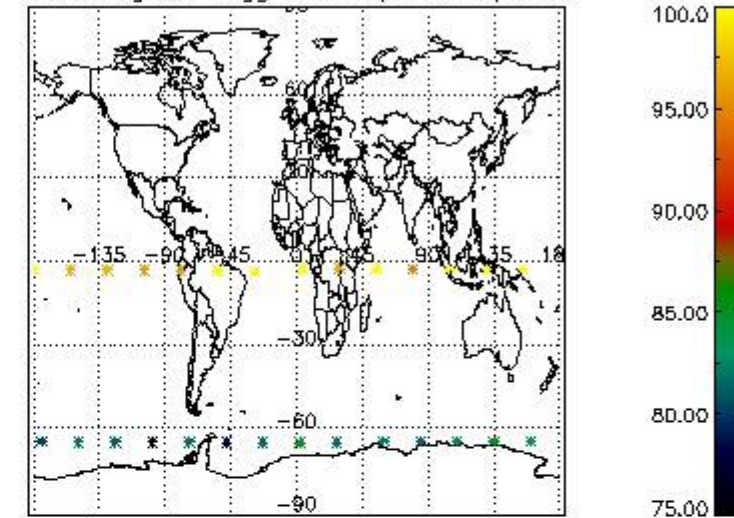


#### 3.2 Plot quality information per product (world map)

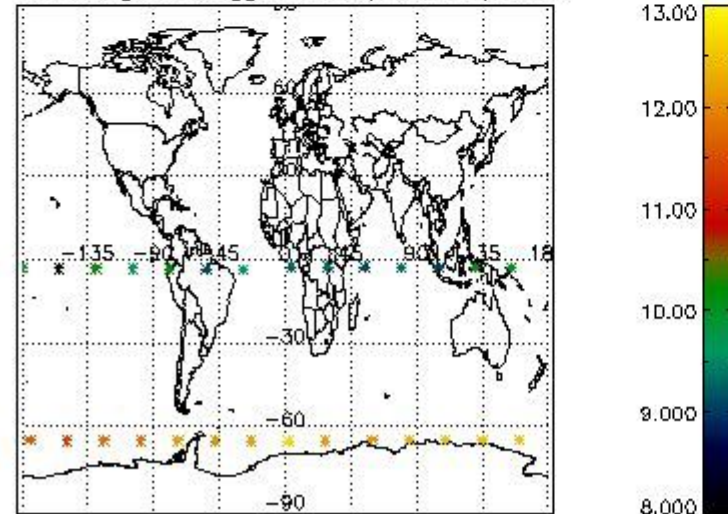
Percentage of flagged data per O3 profile



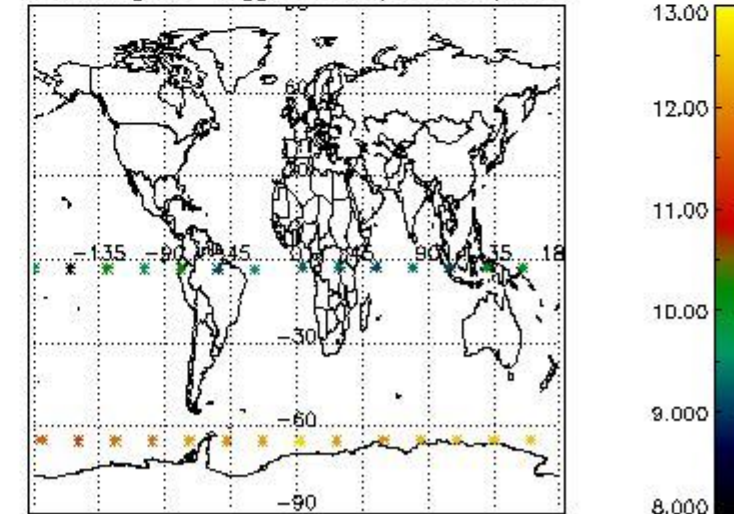
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile



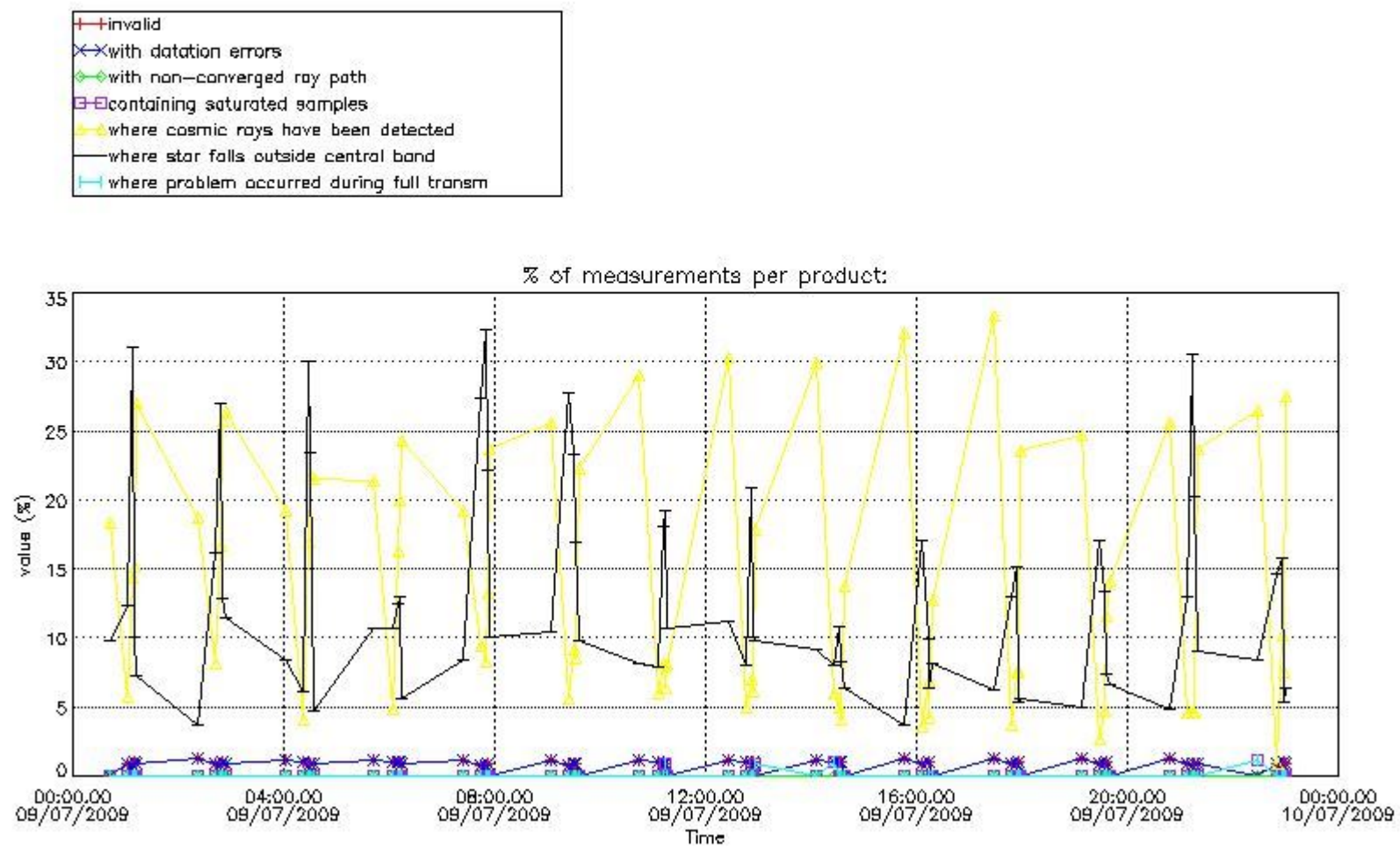
#### 4. Level 1 quality information per product

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

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

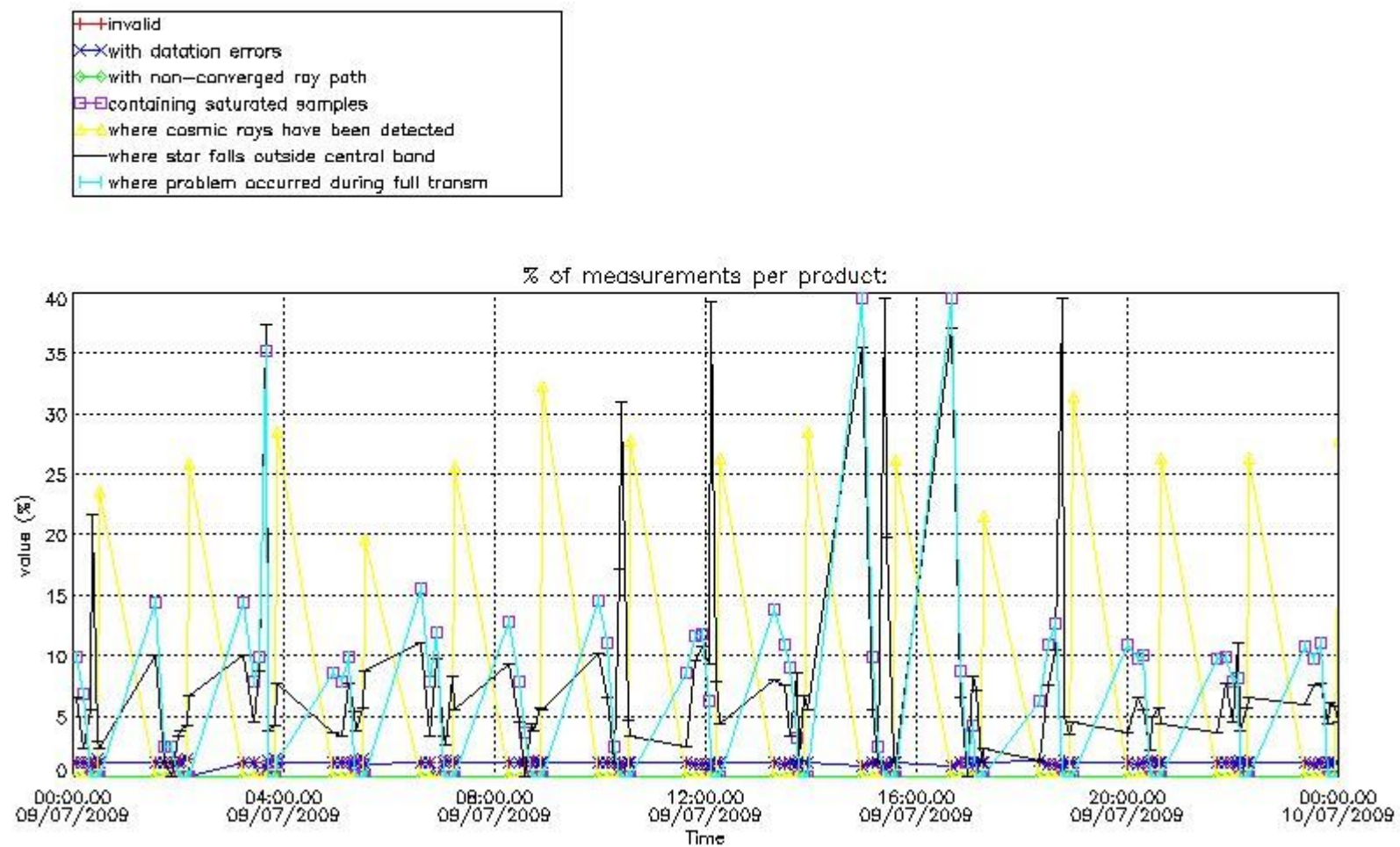
###### 4.1.1 Plot level 1 quality information per product (time dependant): ENVISAT ASCENDING passes





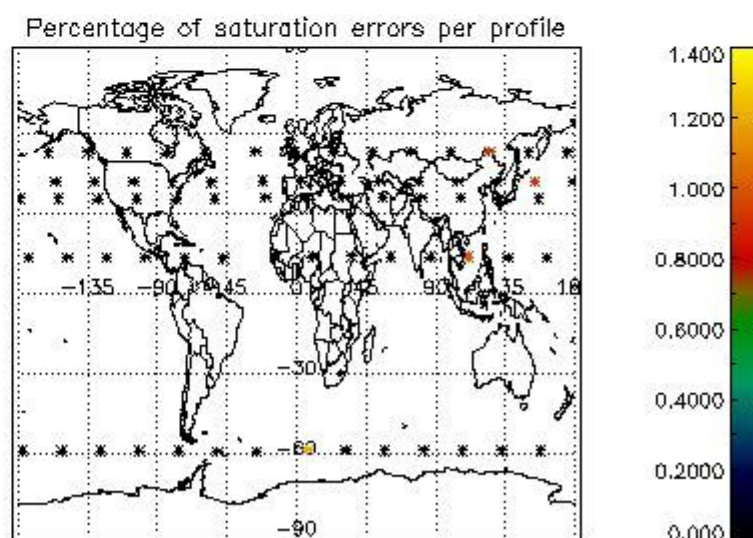
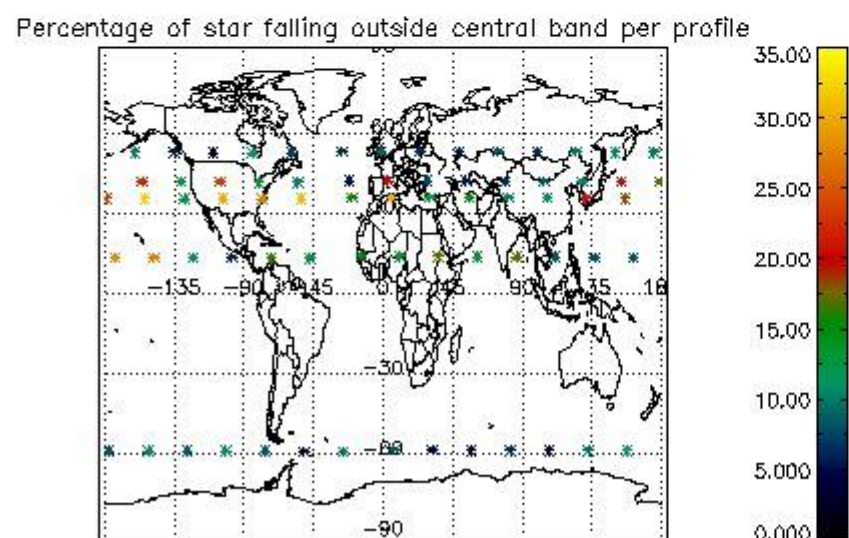
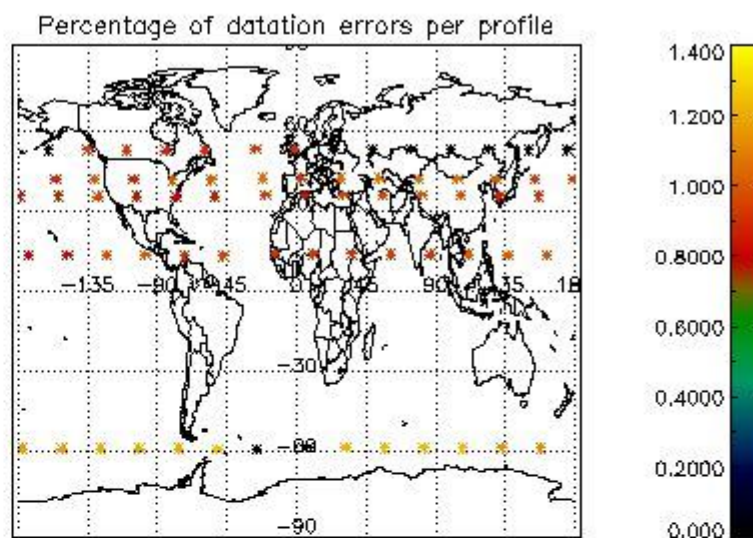
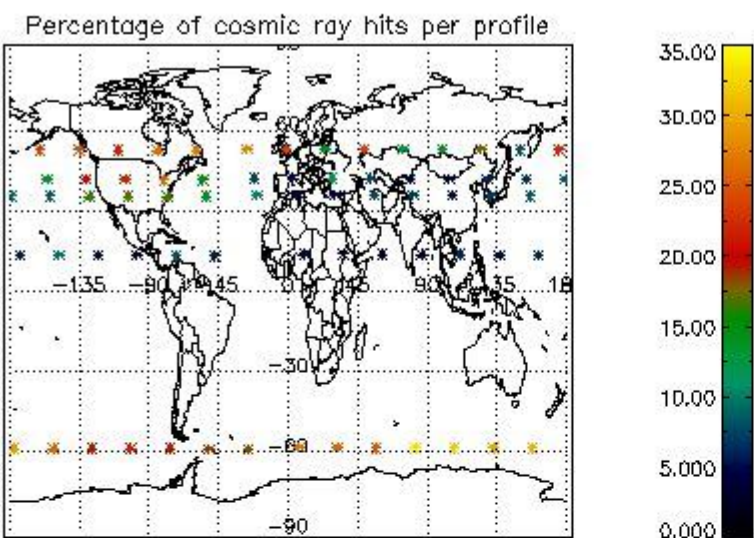
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes





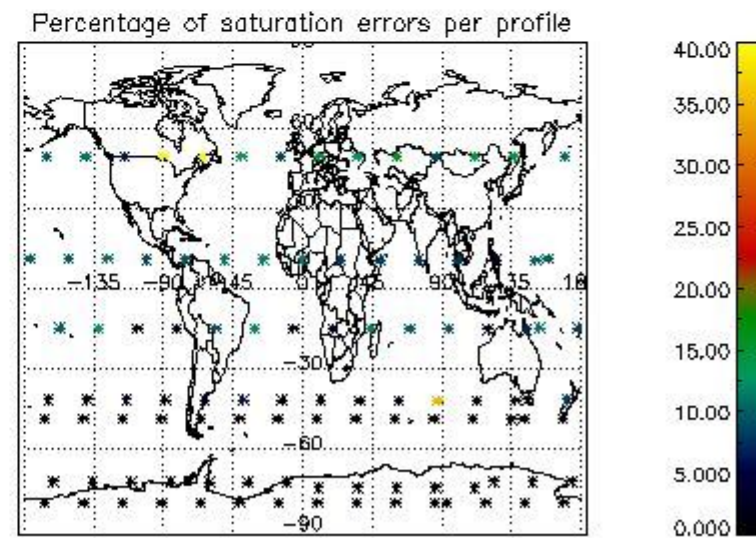
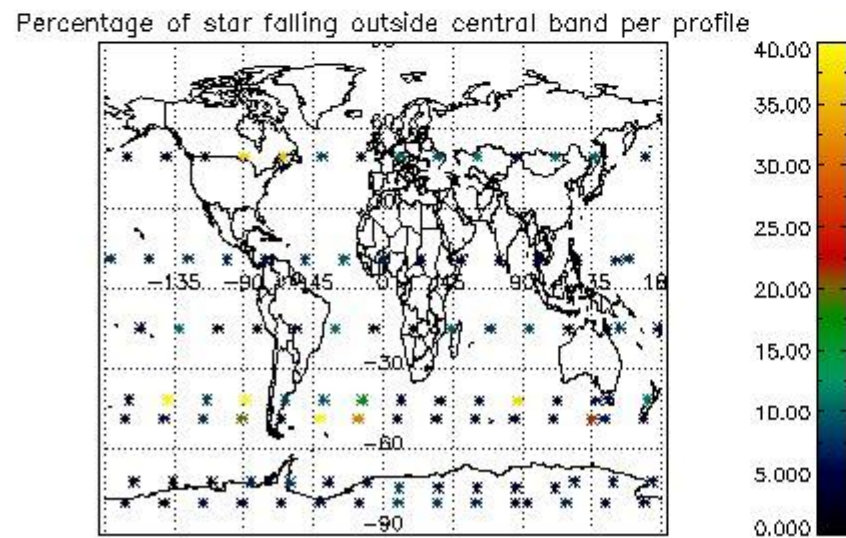
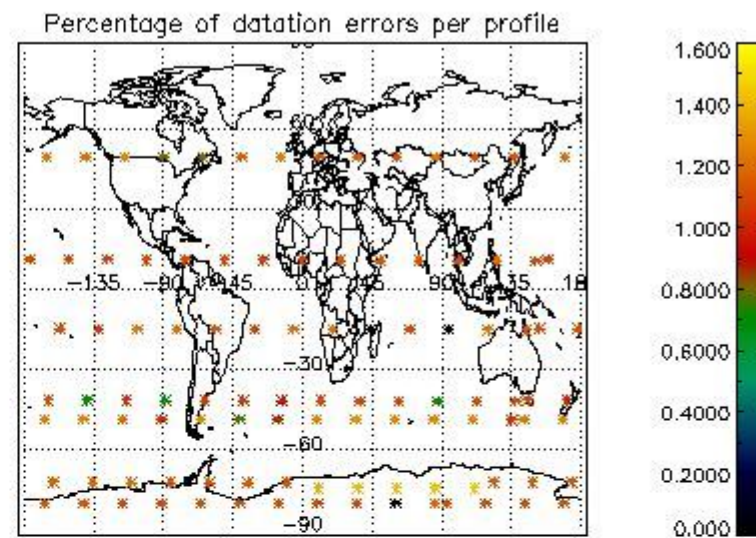
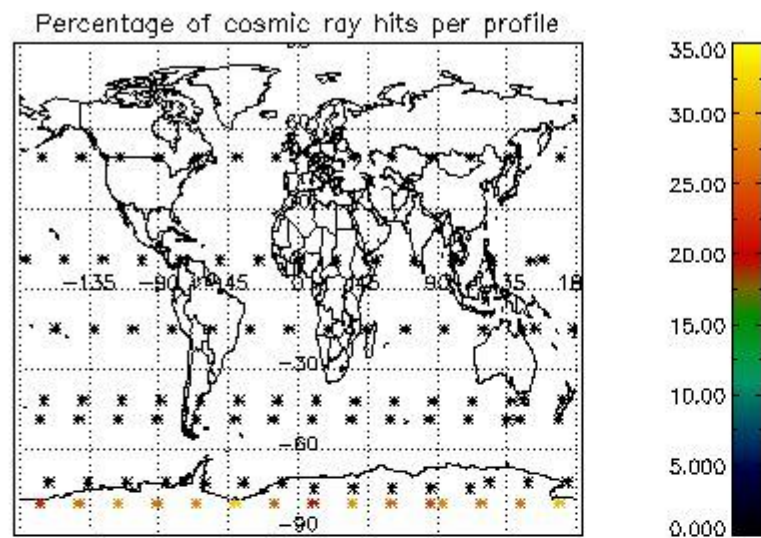
4.2 Plot quality information per product coming from level 1b processing (world map)

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



4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes





## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/o3\_std of the level 2 products. The table below shows the statistics for given STD ranges.

The statistics are given with respect to the overall valid production:

- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

The 'Criteria' is applied to valid points of dark limb products:

- Products in dark limb illumination condition: GOM\_NL\_\_2P/NL\_SUMMARY\_QUALITY/obs\_ill\_cond=0
- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

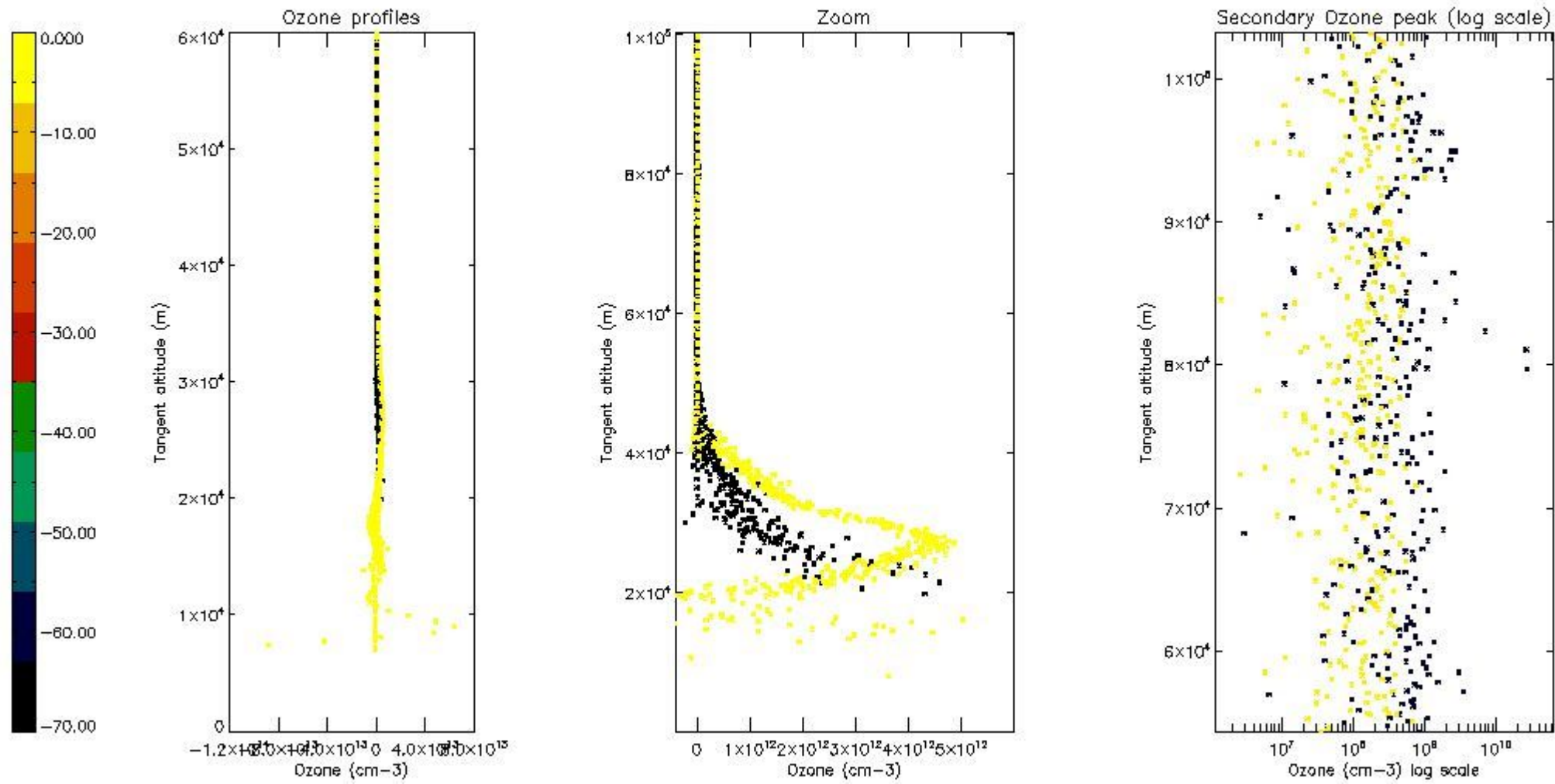
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	16
STD < 20	3

STD < 10	2
STD < 5	0

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

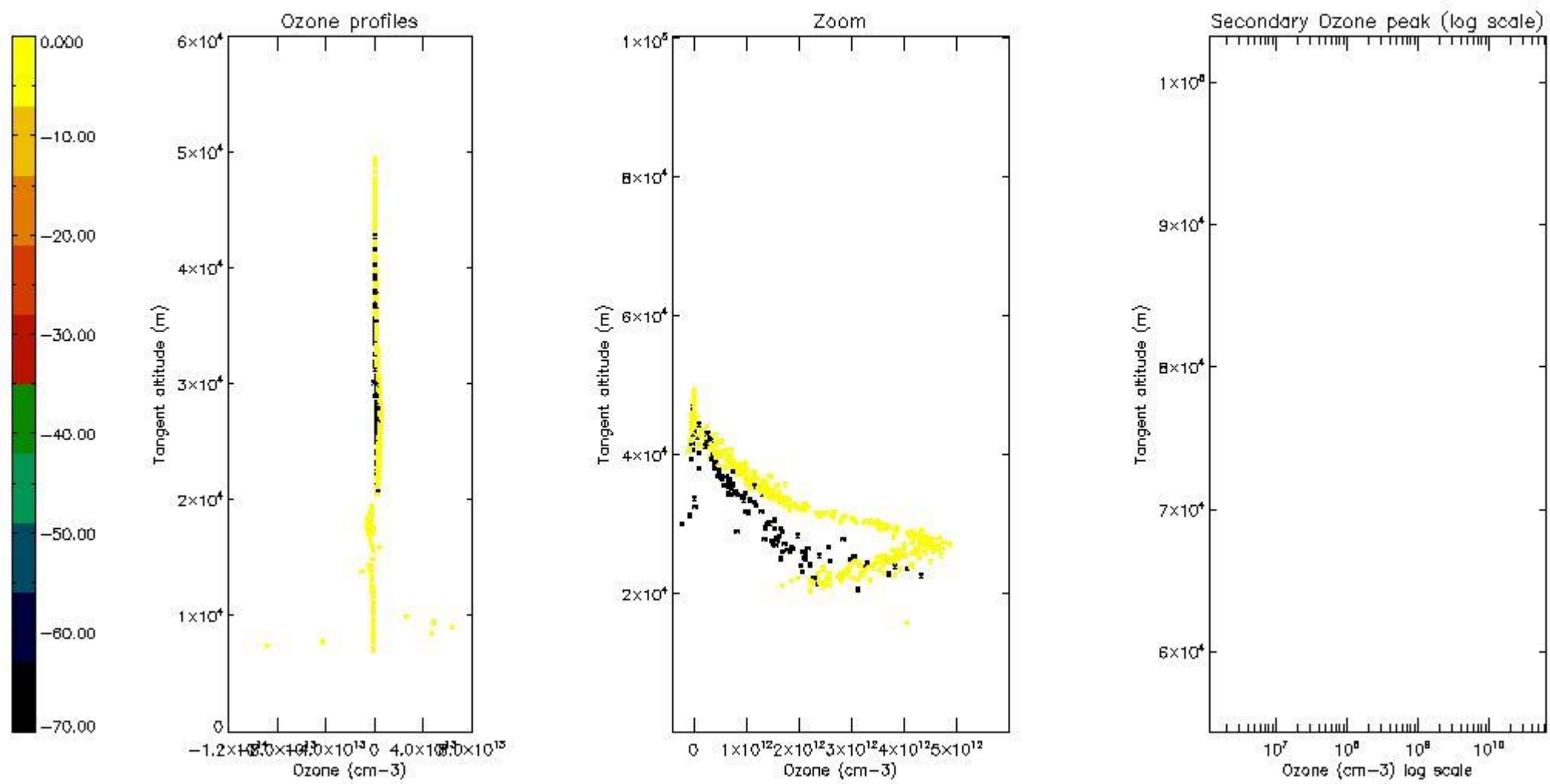
The colorbar represents the latitude.



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

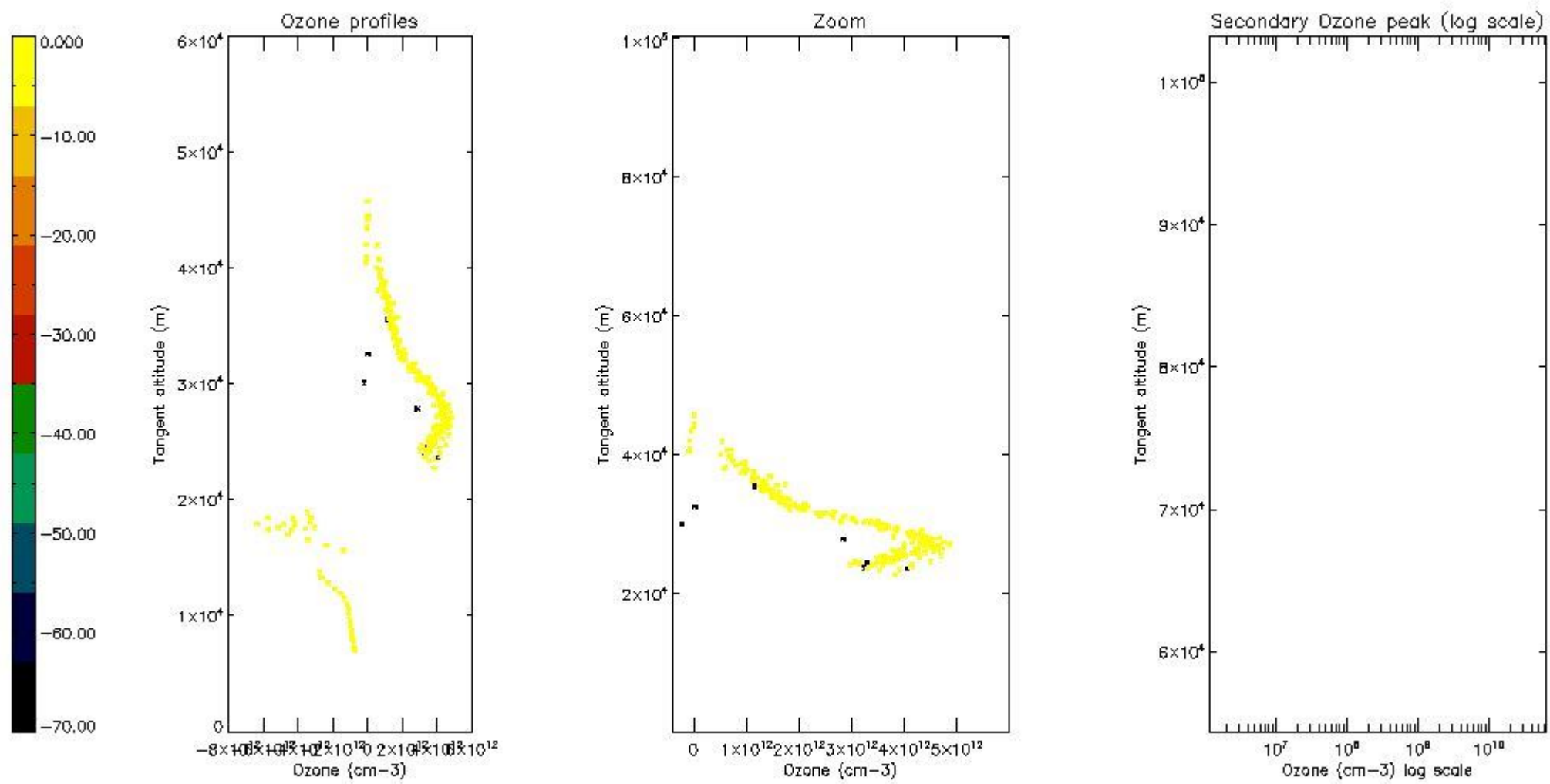
The colorbar represents the latitude.





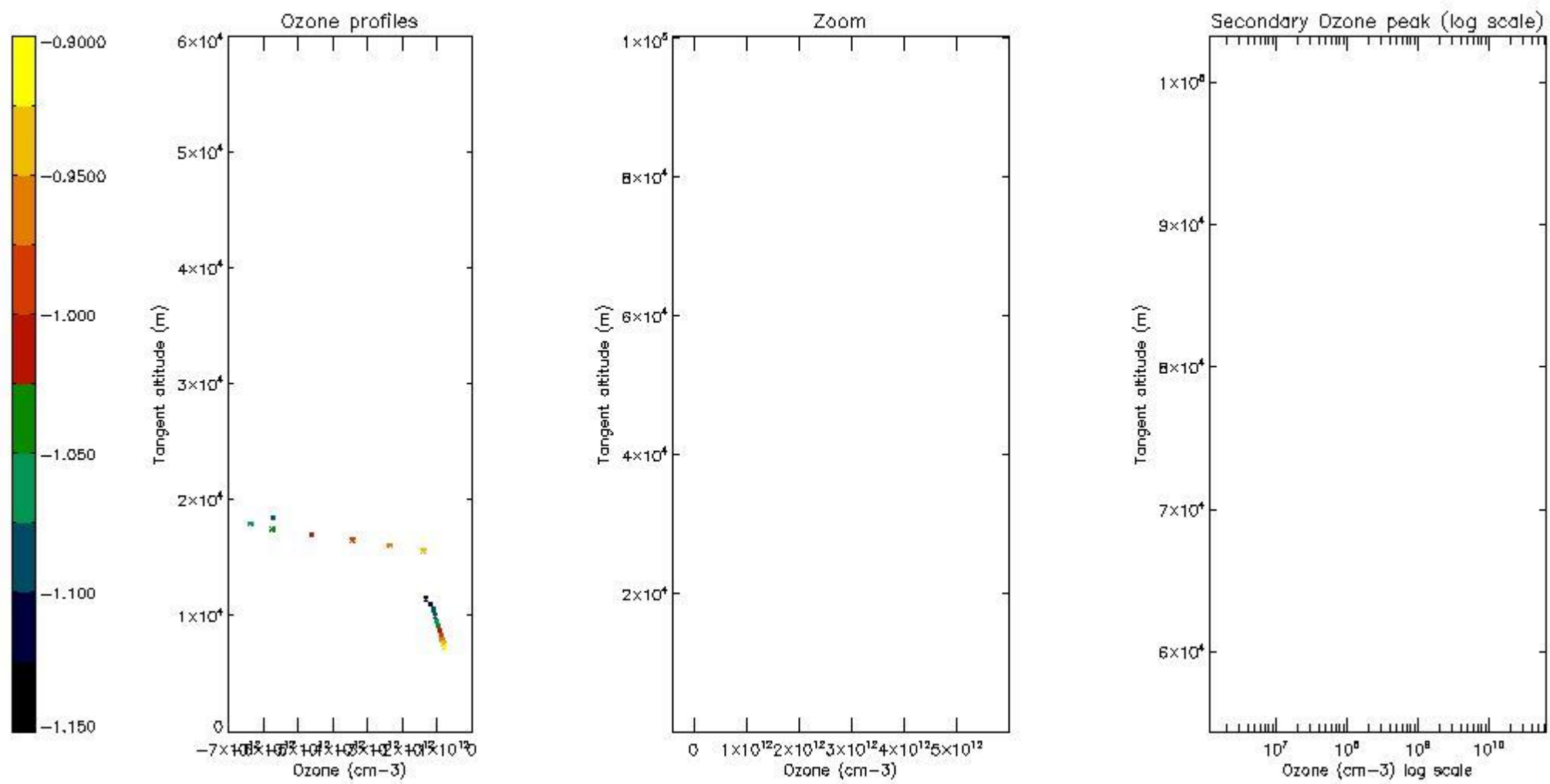
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



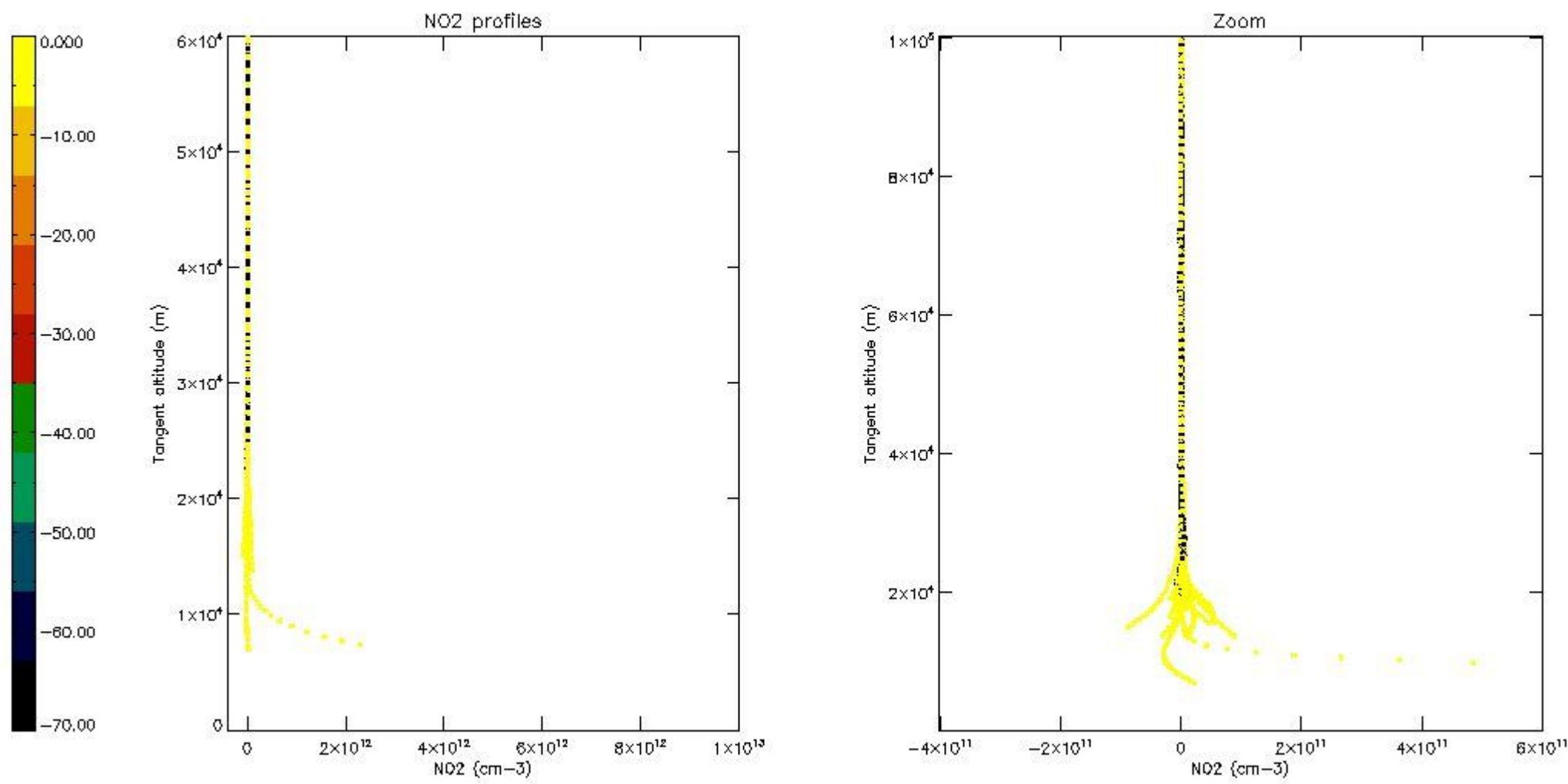
*5.5 Plot ozone profiles where  $STD < 5\%$  (dark without errors)*

The colorbar represents the latitude.



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

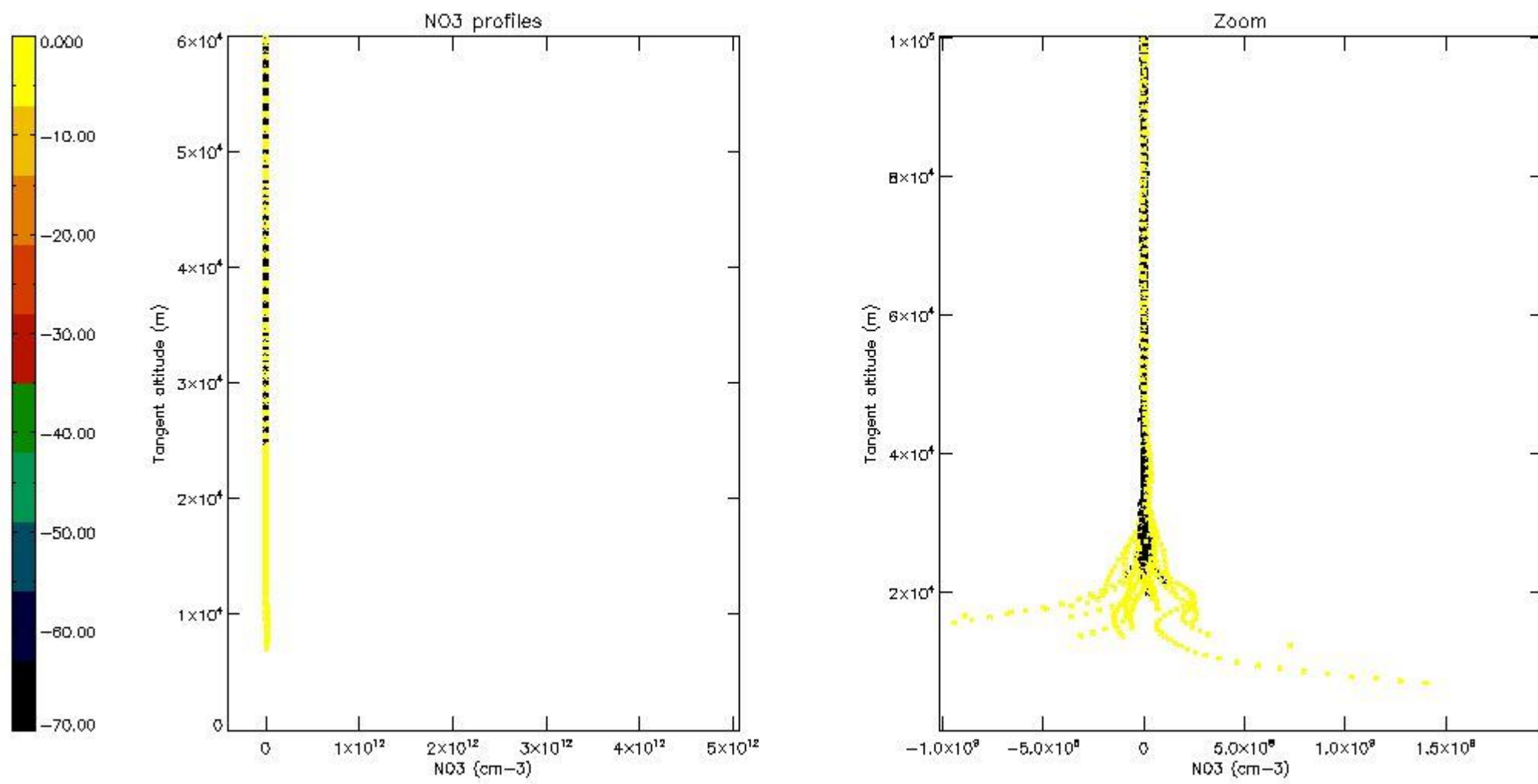
The colorbar represents the latitude.



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

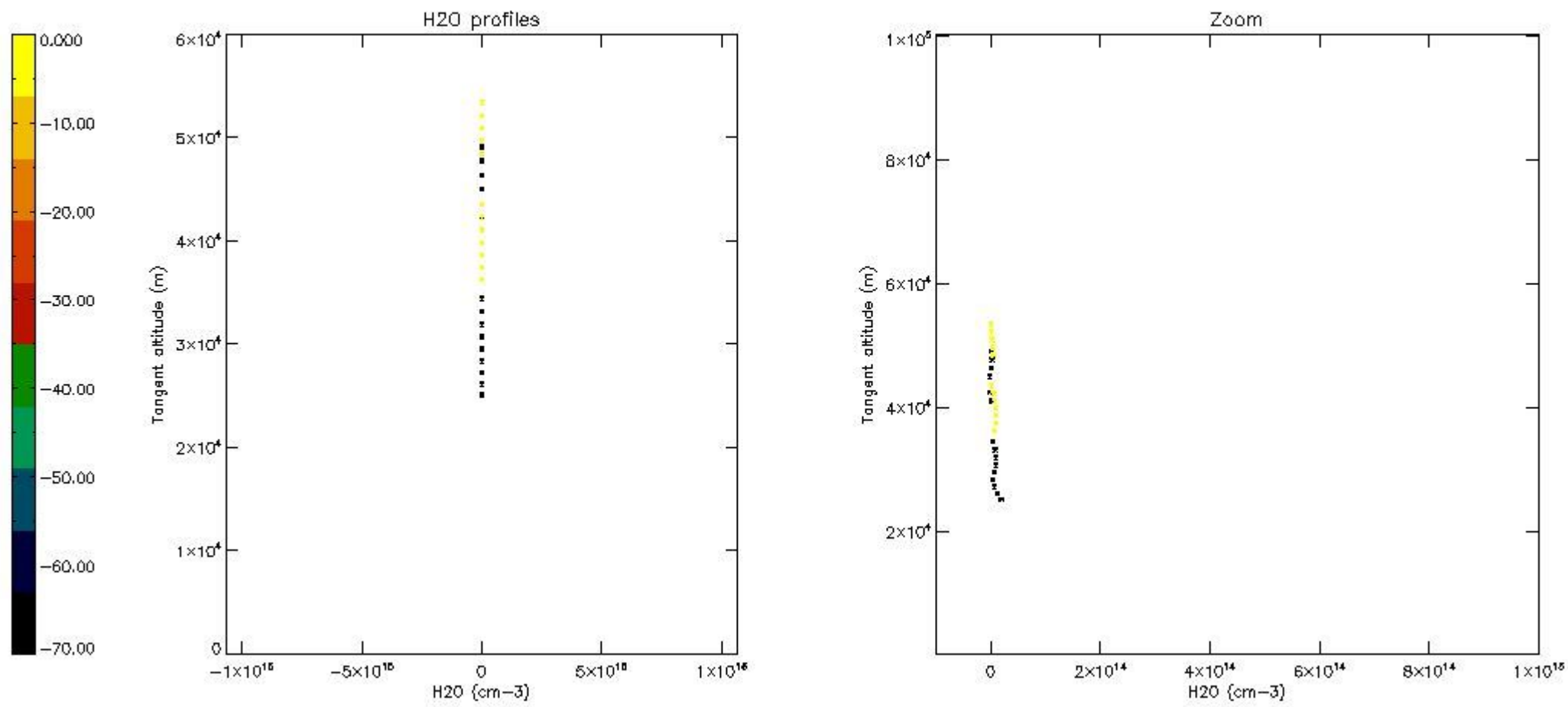
The colorbar represents the latitude.





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)

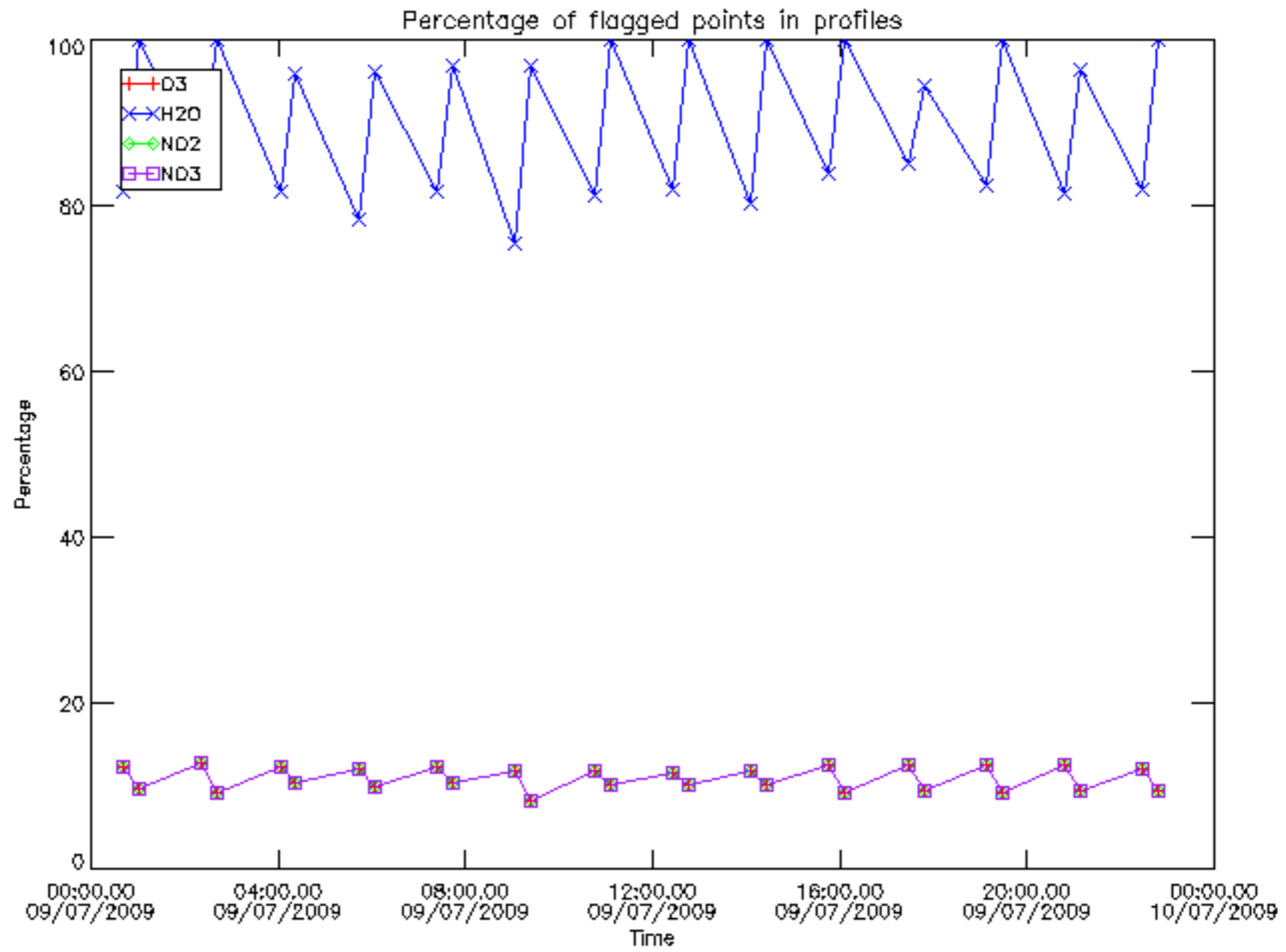
The colorbar represents the latitude.



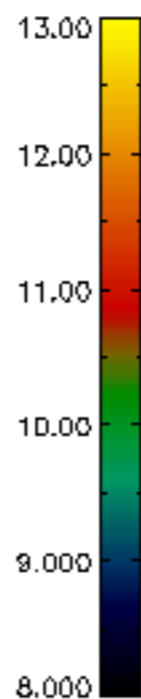
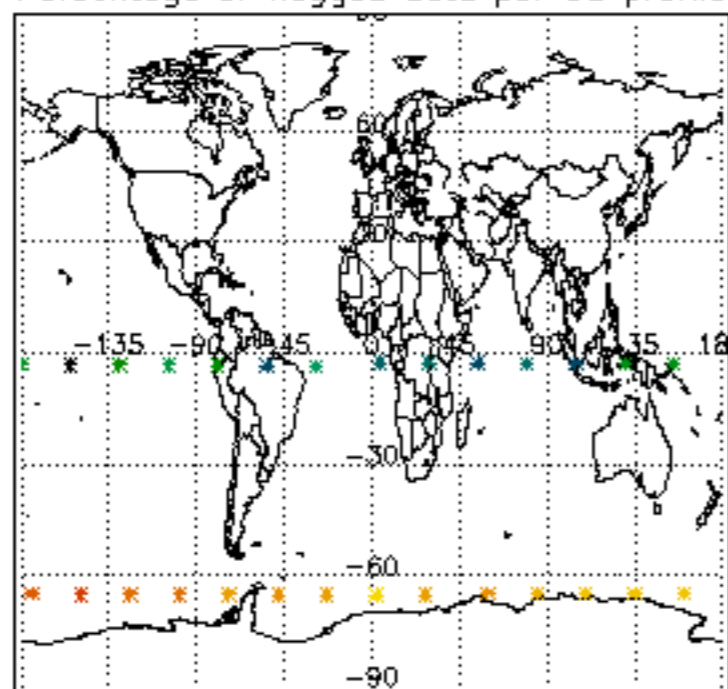
## 6. Auxiliary Data Files used for the production reported in section 2

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.

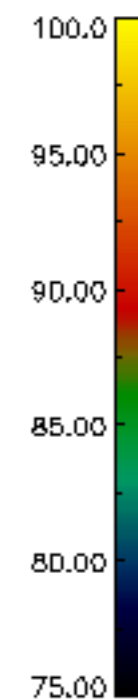
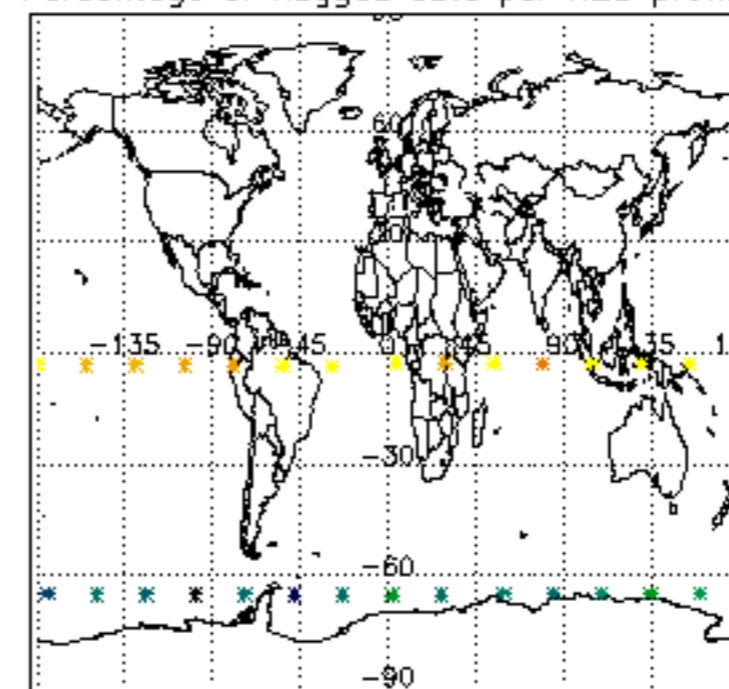
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	09-JUL-2009 00:04:21
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	09-JUL-2009 00:04:21
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	09-JUL-2009 00:04:21



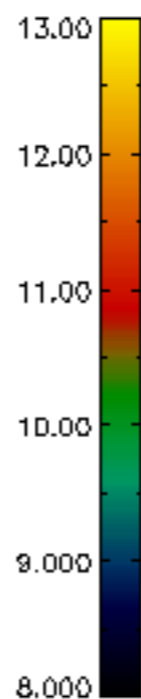
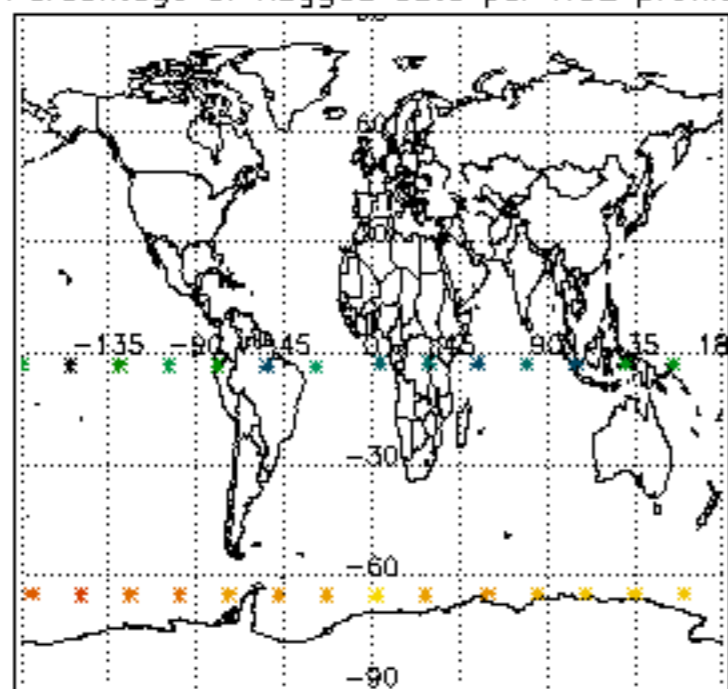
Percentage of flagged data per D3 profile



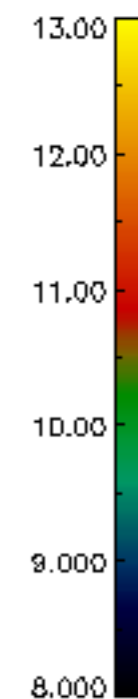
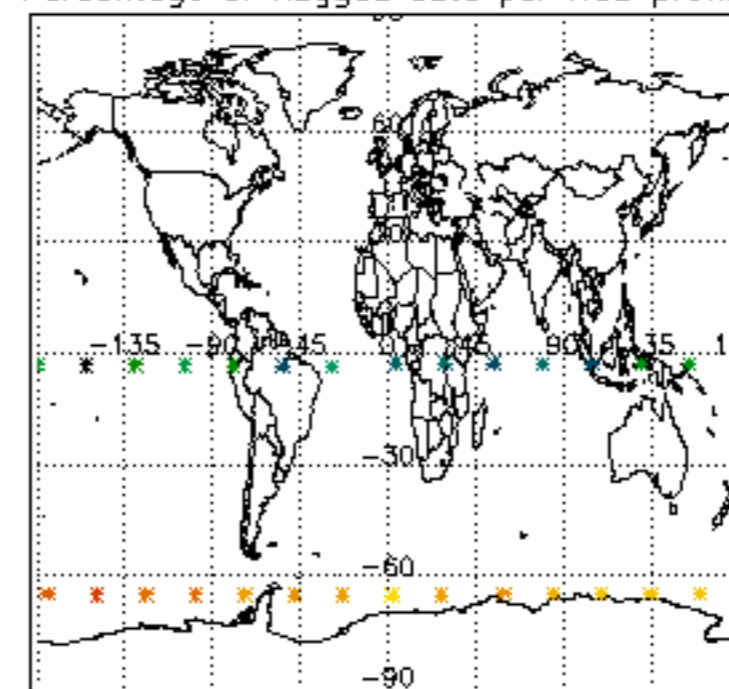
Percentage of flagged data per H2O profile



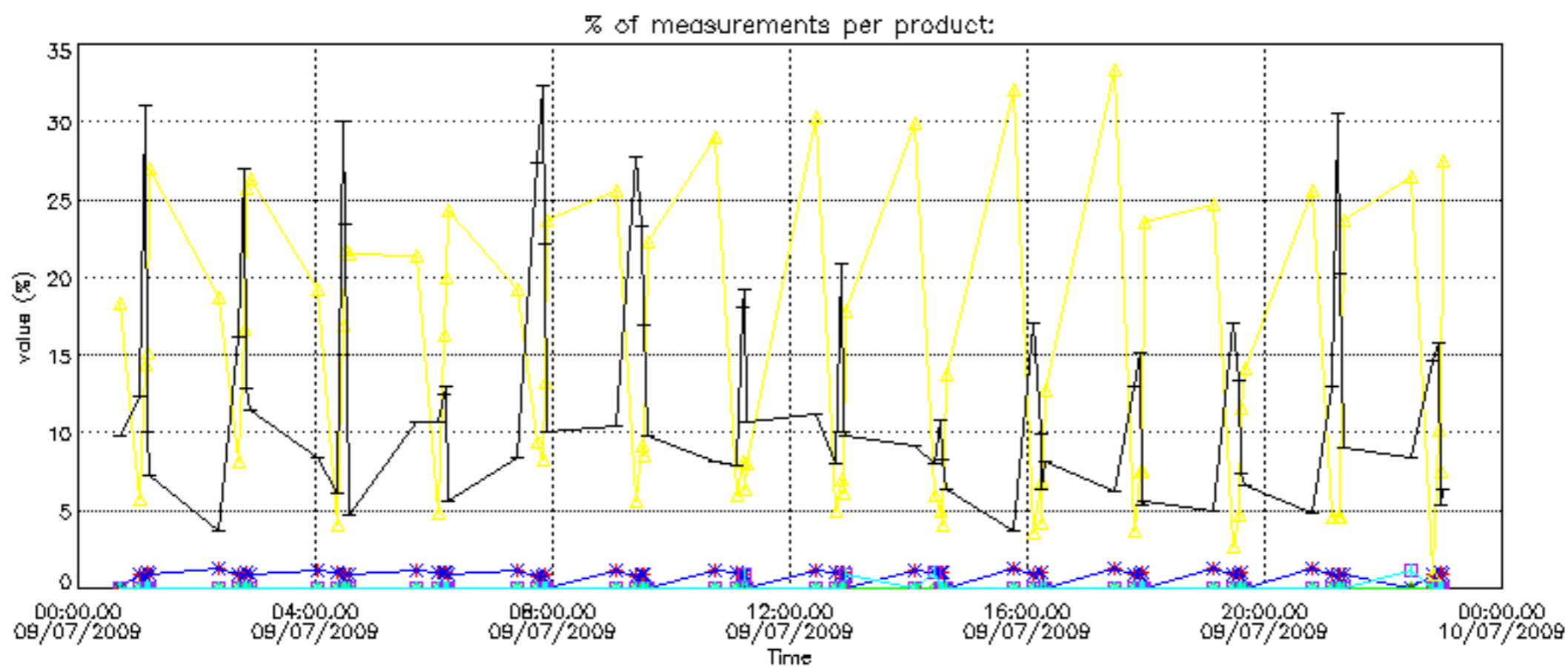
Percentage of flagged data per NO2 profile

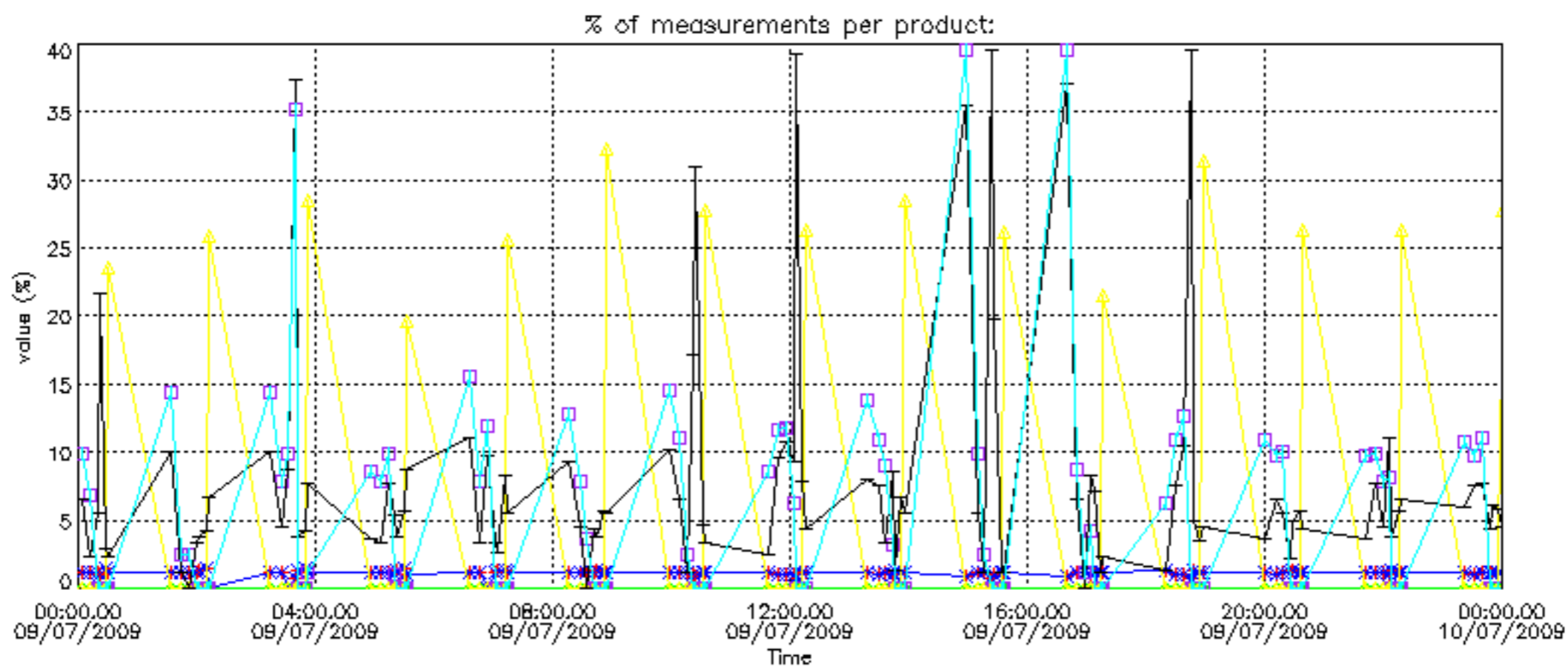


Percentage of flagged data per NO3 profile

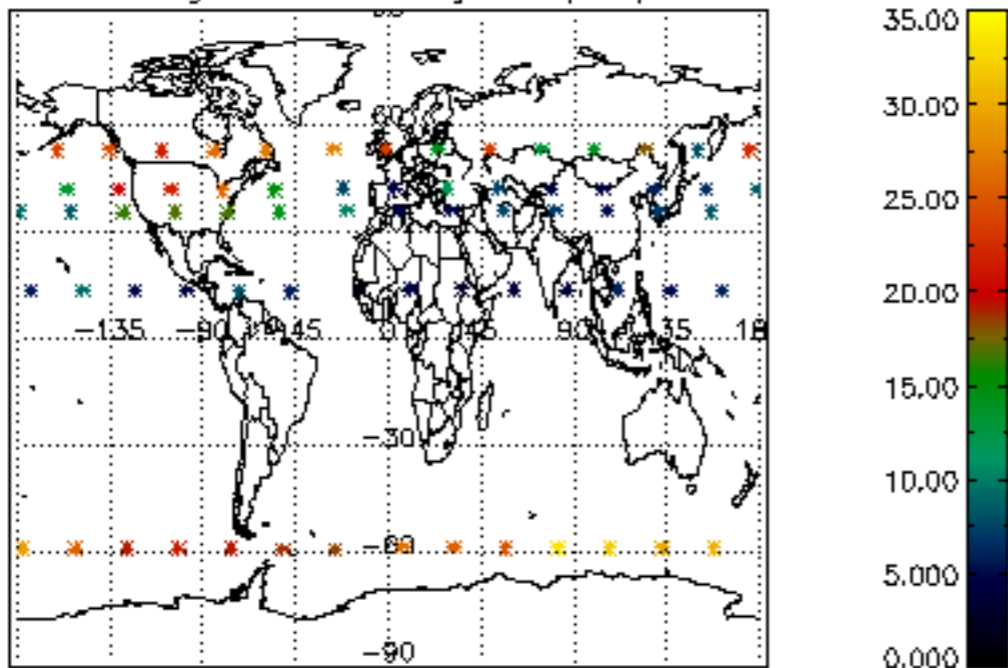




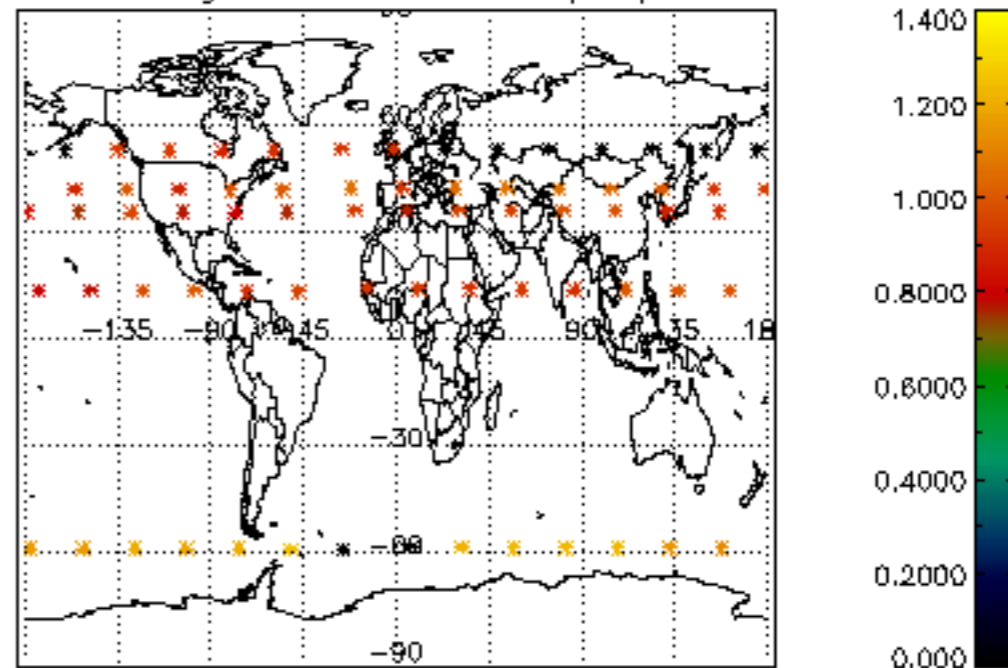




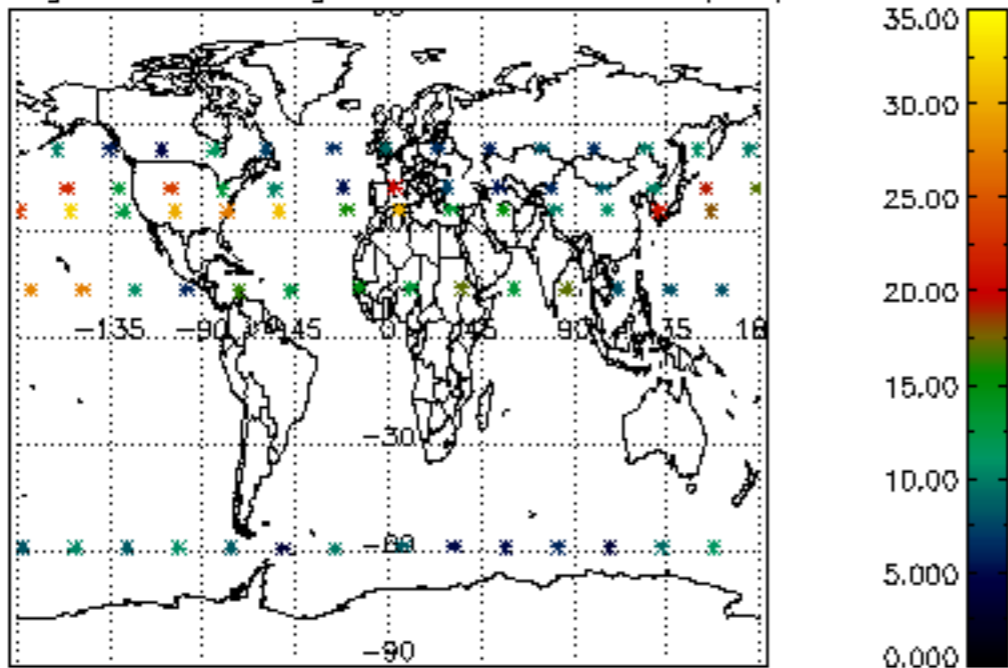
Percentage of cosmic ray hits per profile



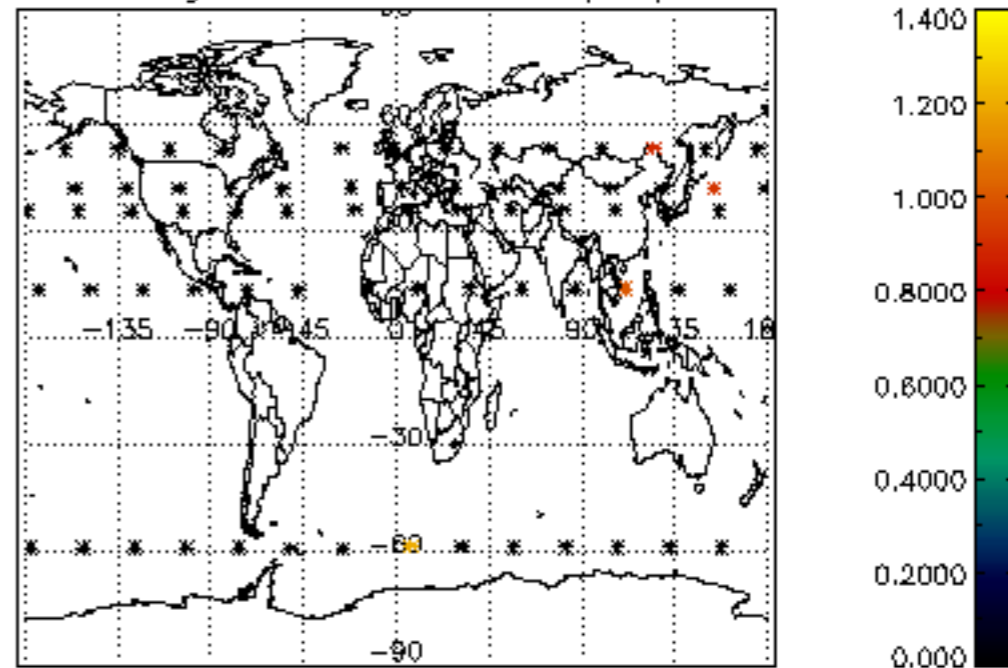
Percentage of datation errors per profile



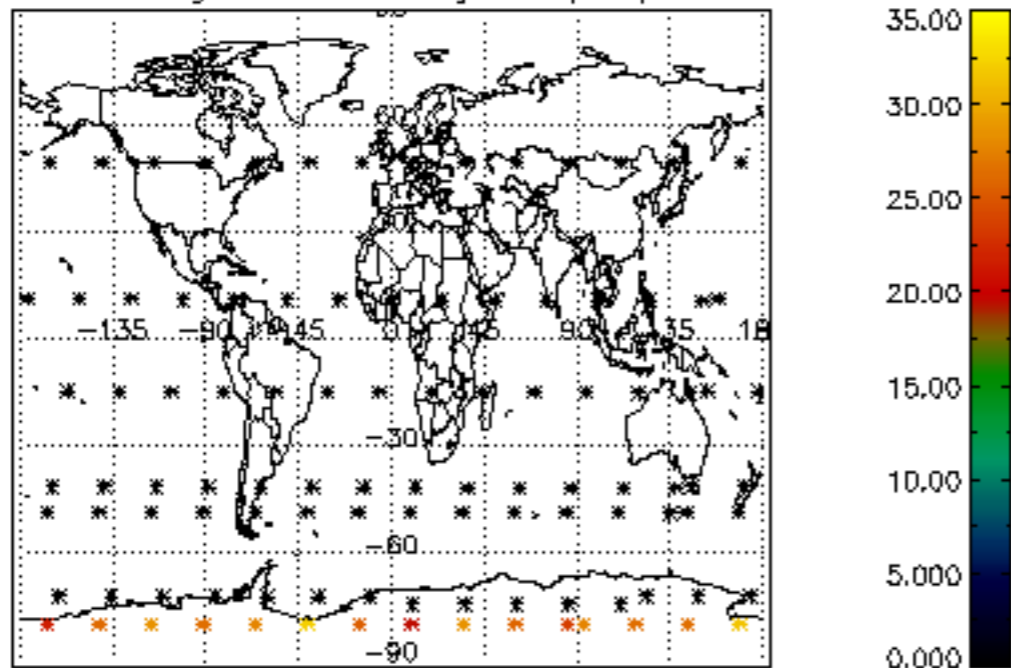
Percentage of star falling outside central band per profile



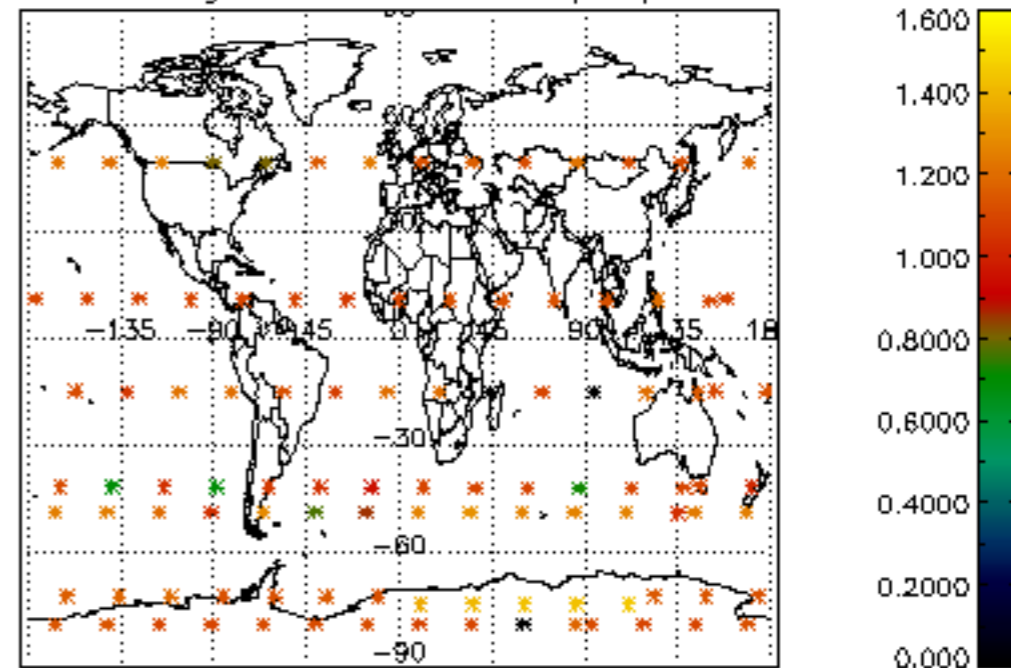
Percentage of saturation errors per profile



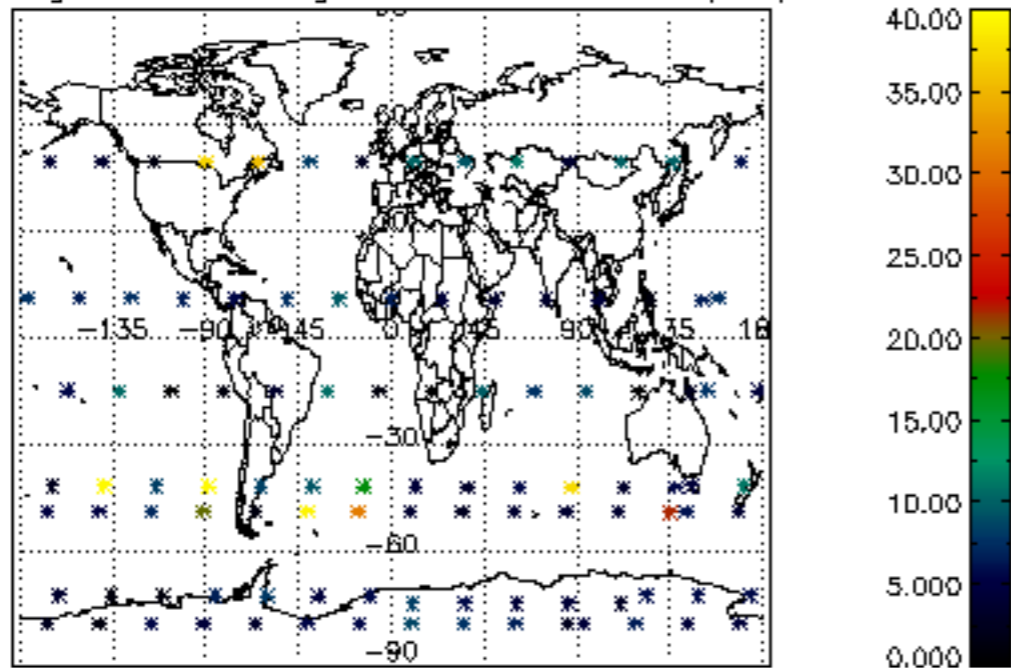
Percentage of cosmic ray hits per profile



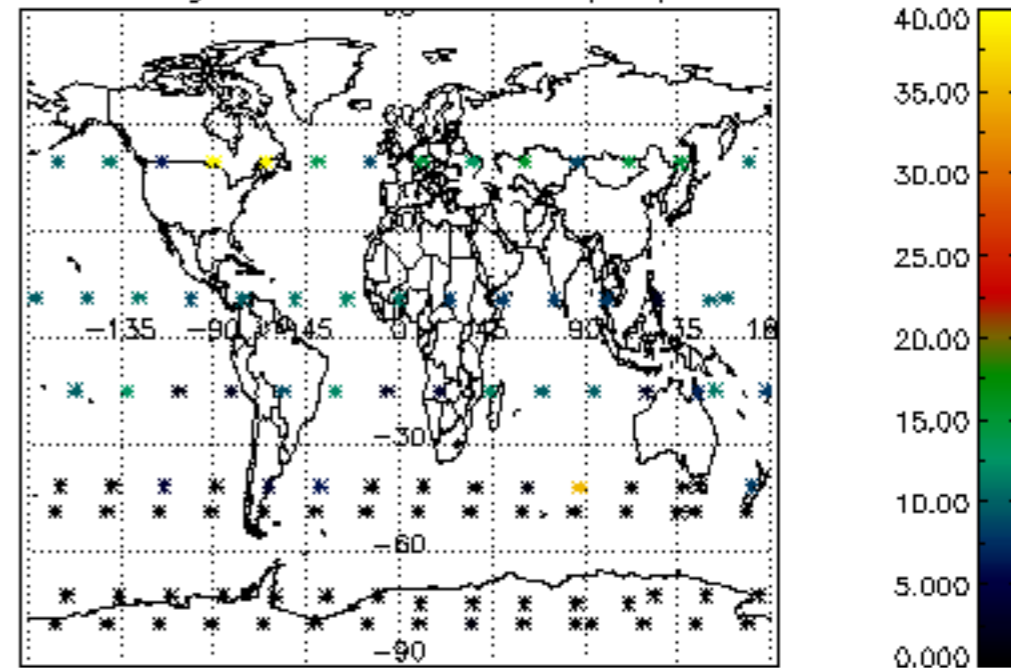
Percentage of datation errors per profile



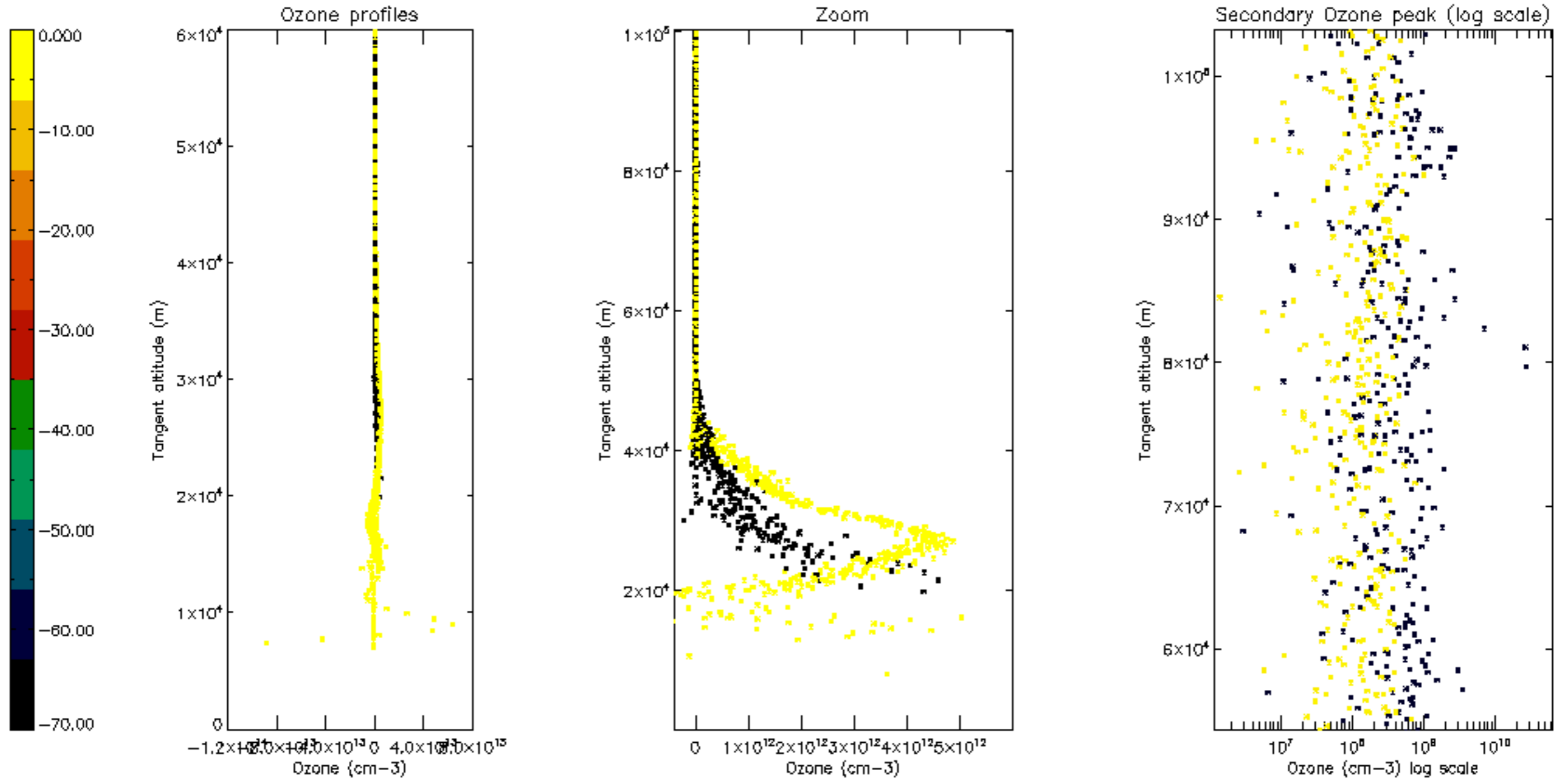
Percentage of star falling outside central band per profile

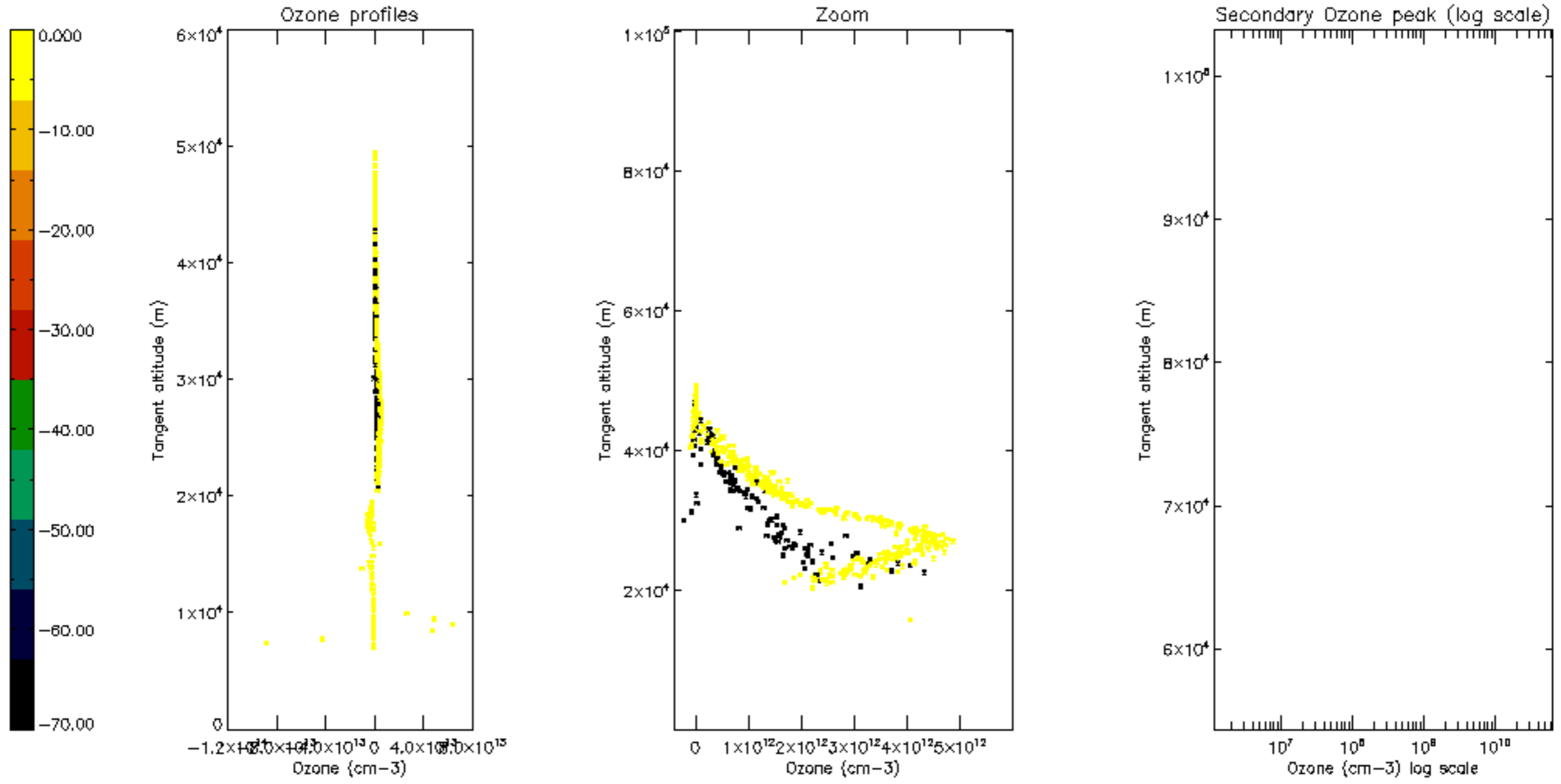


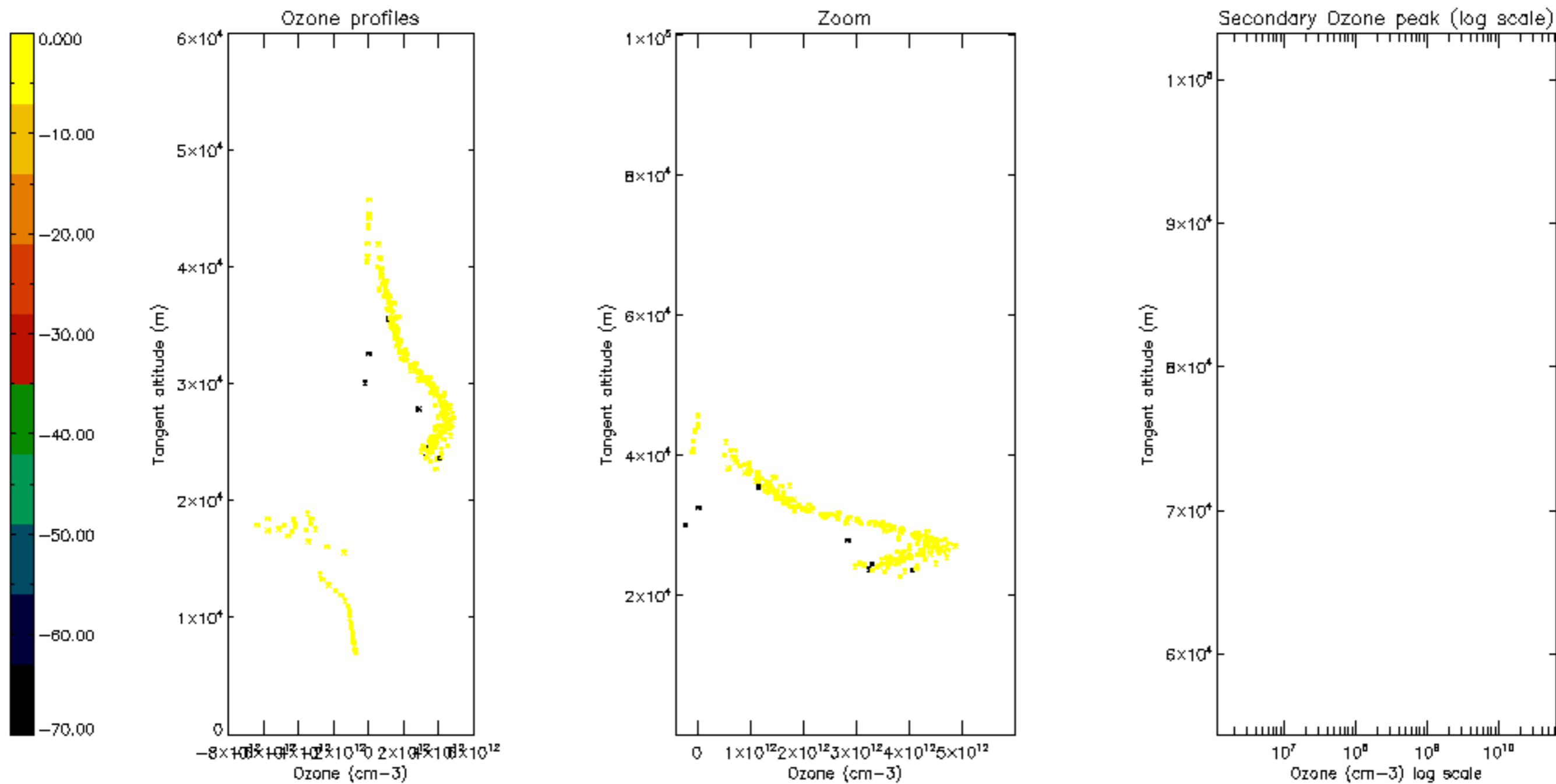
Percentage of saturation errors per profile

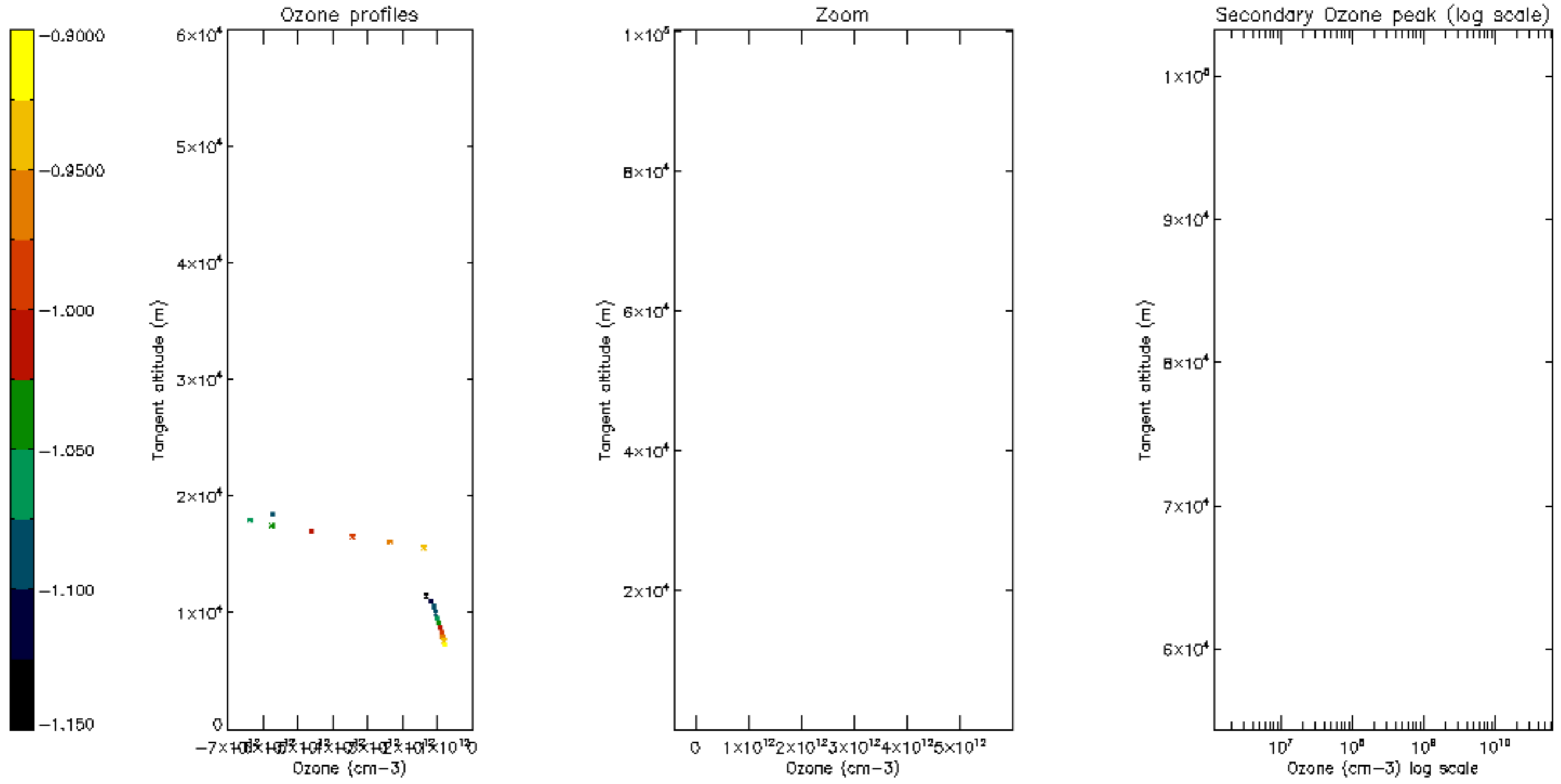




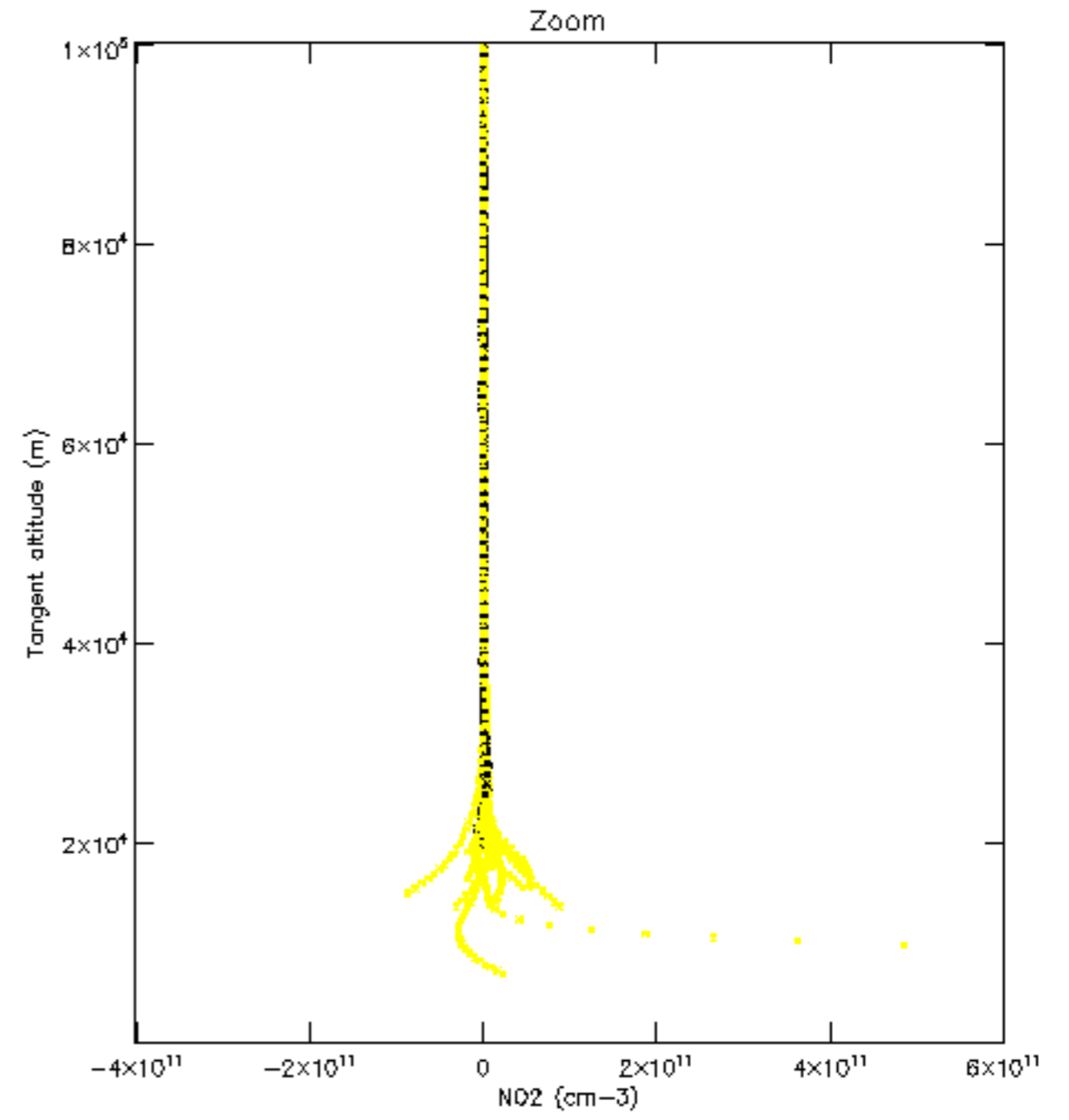
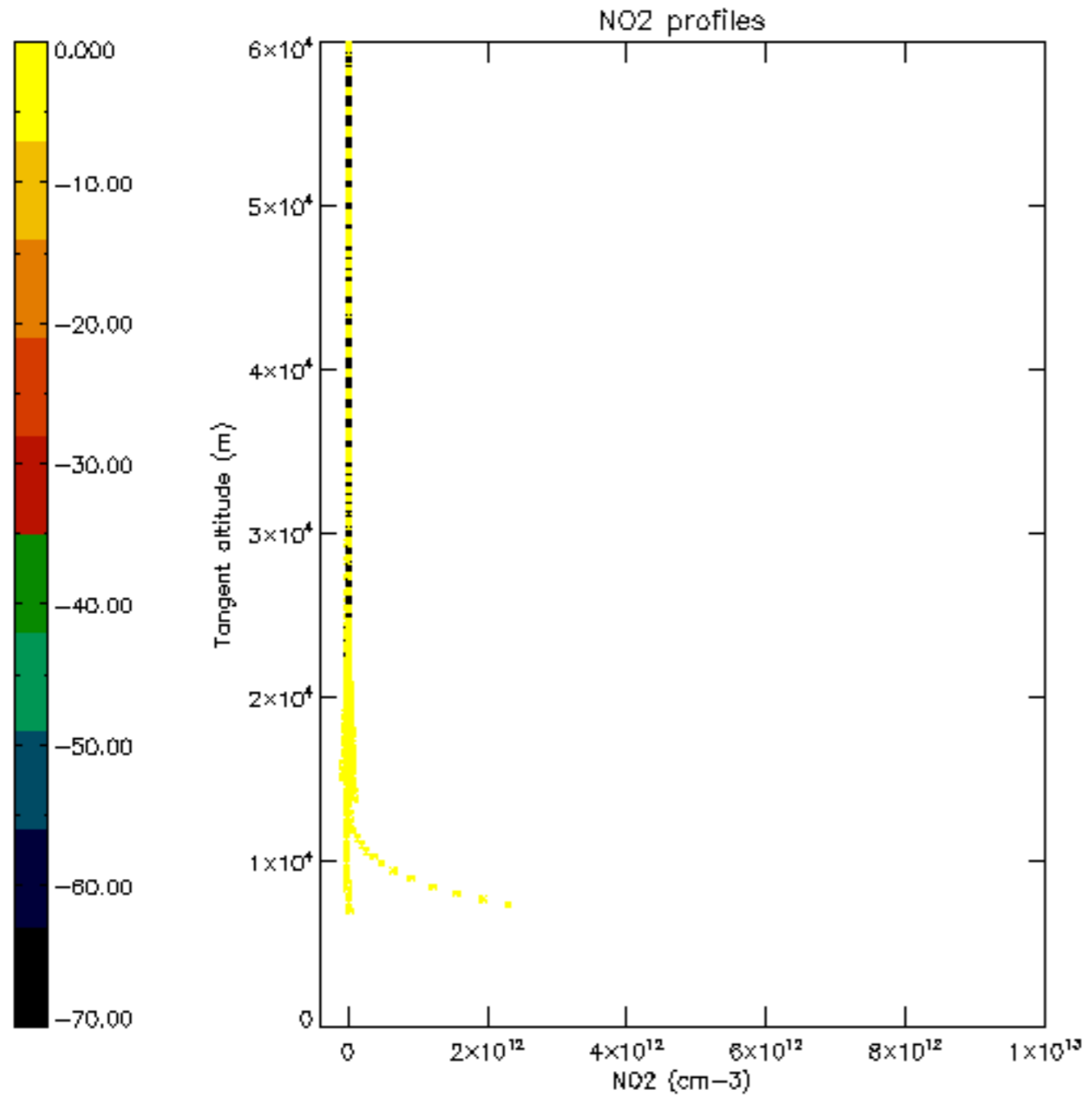


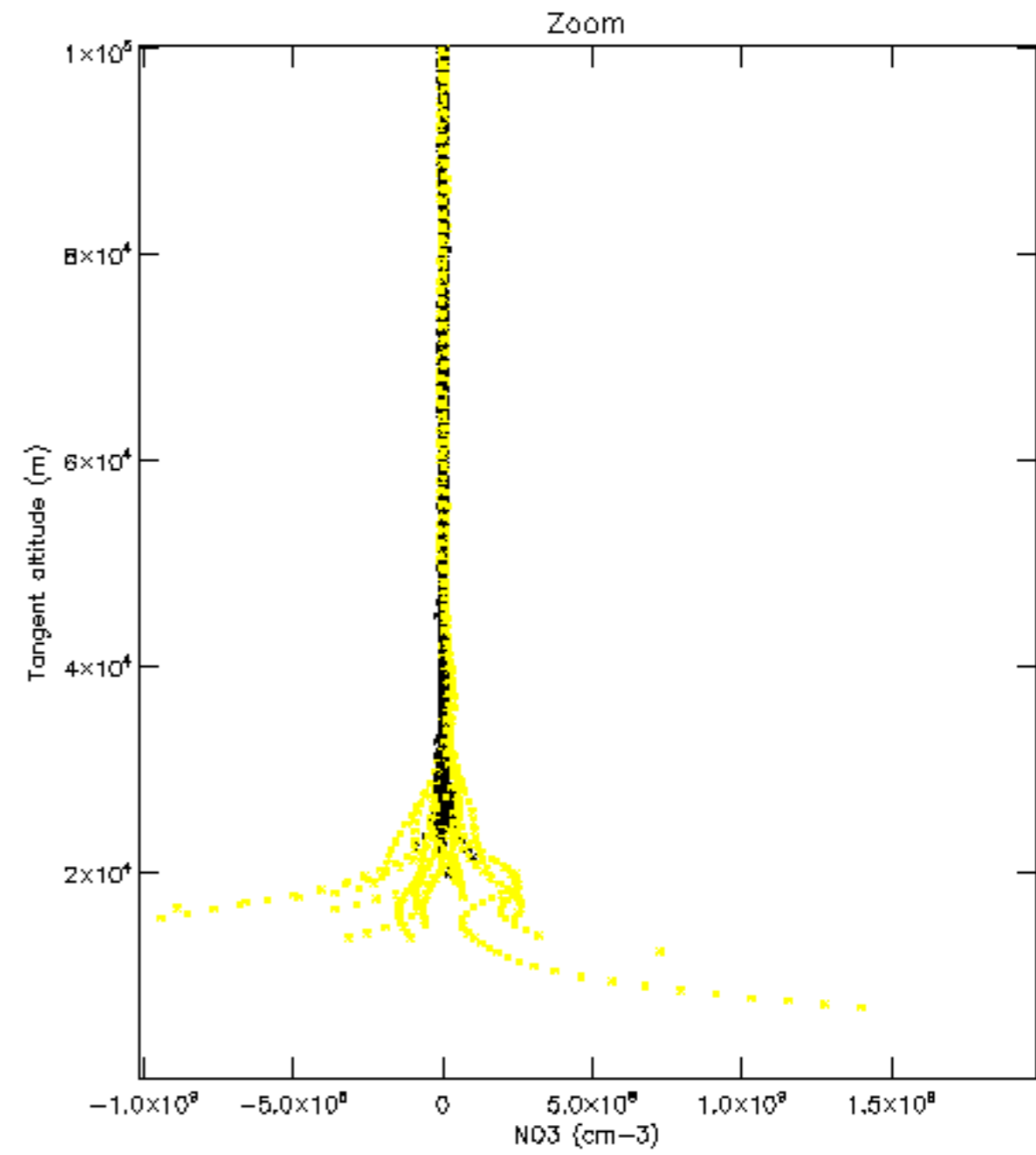
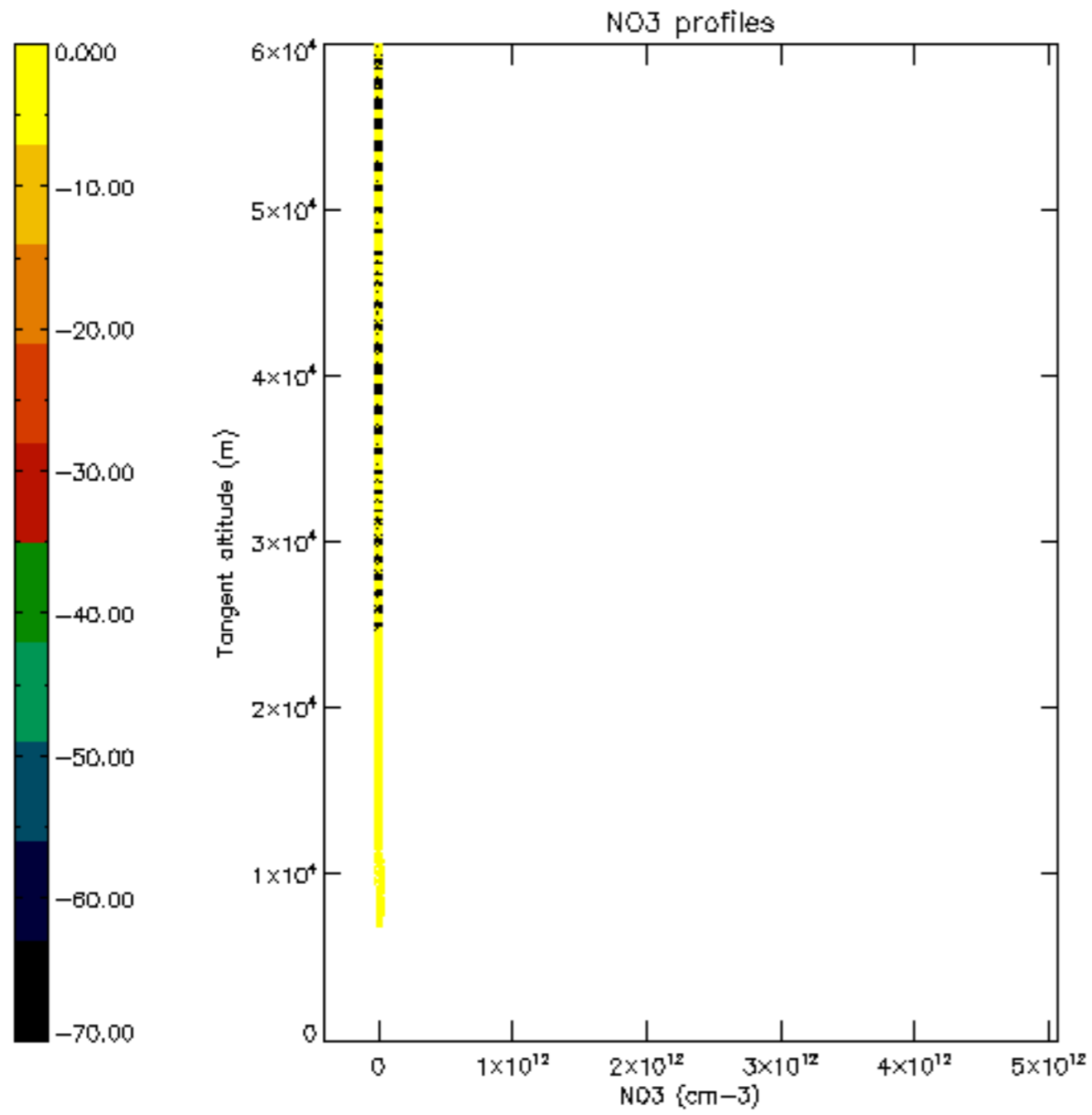


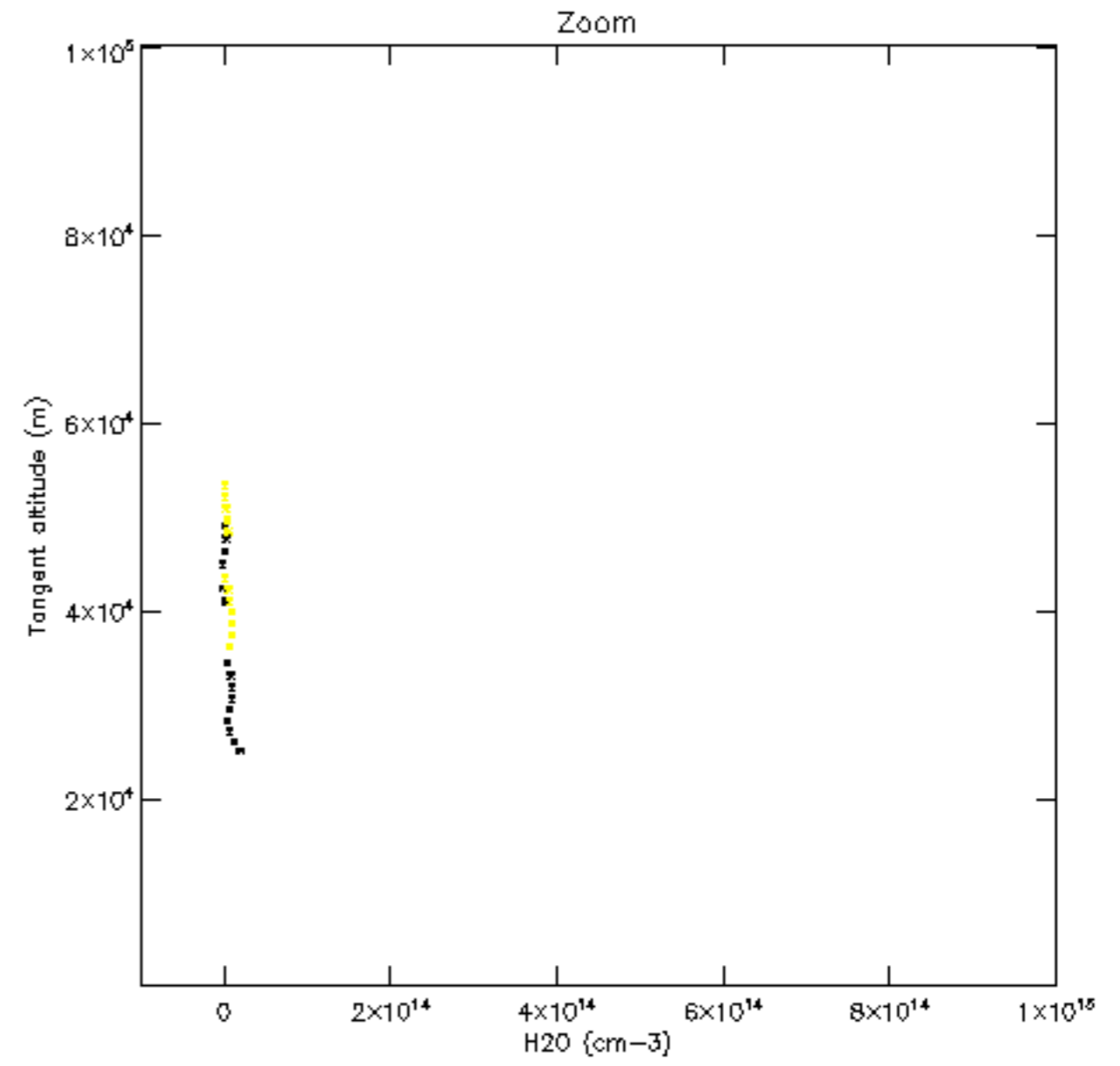
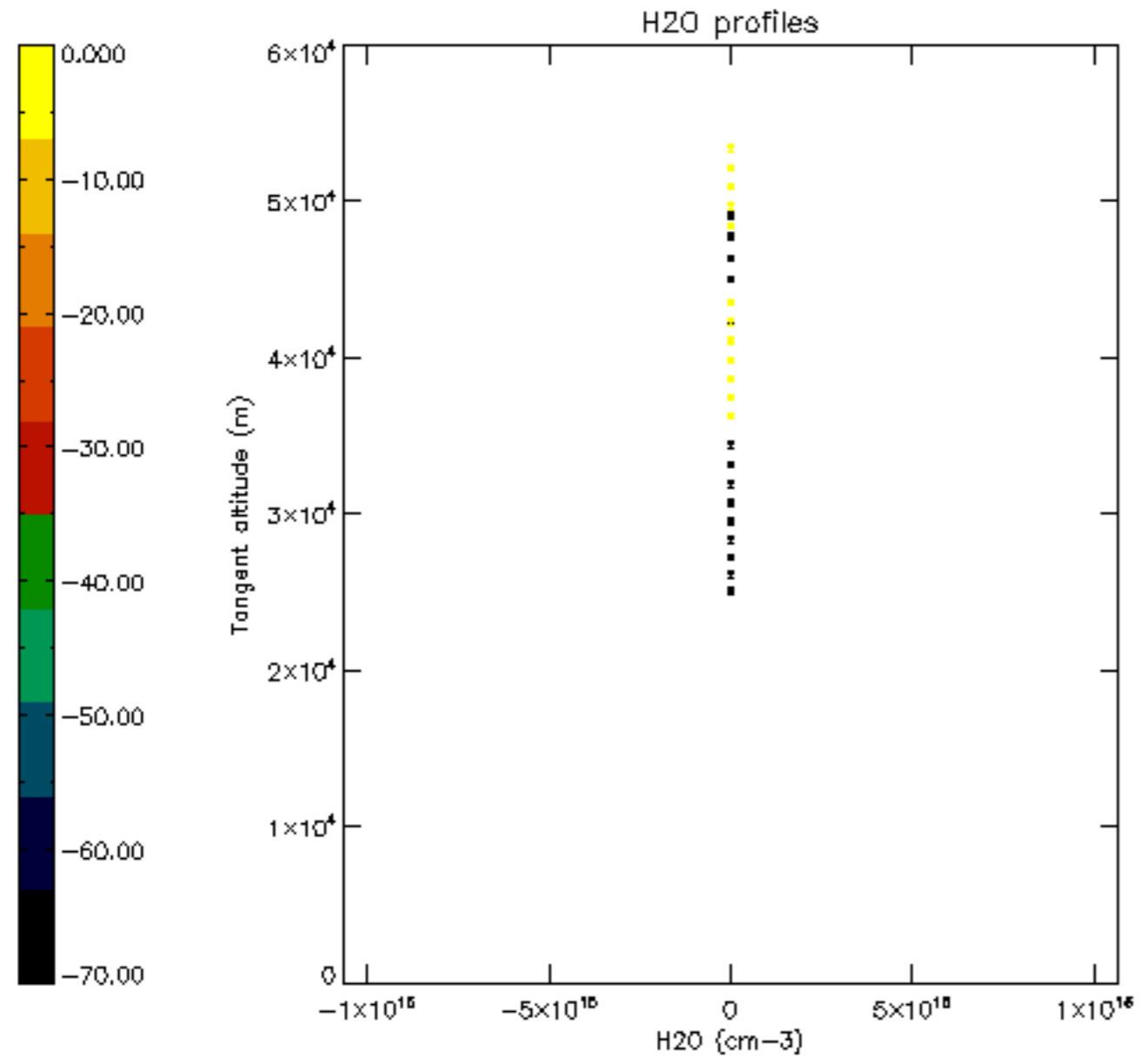


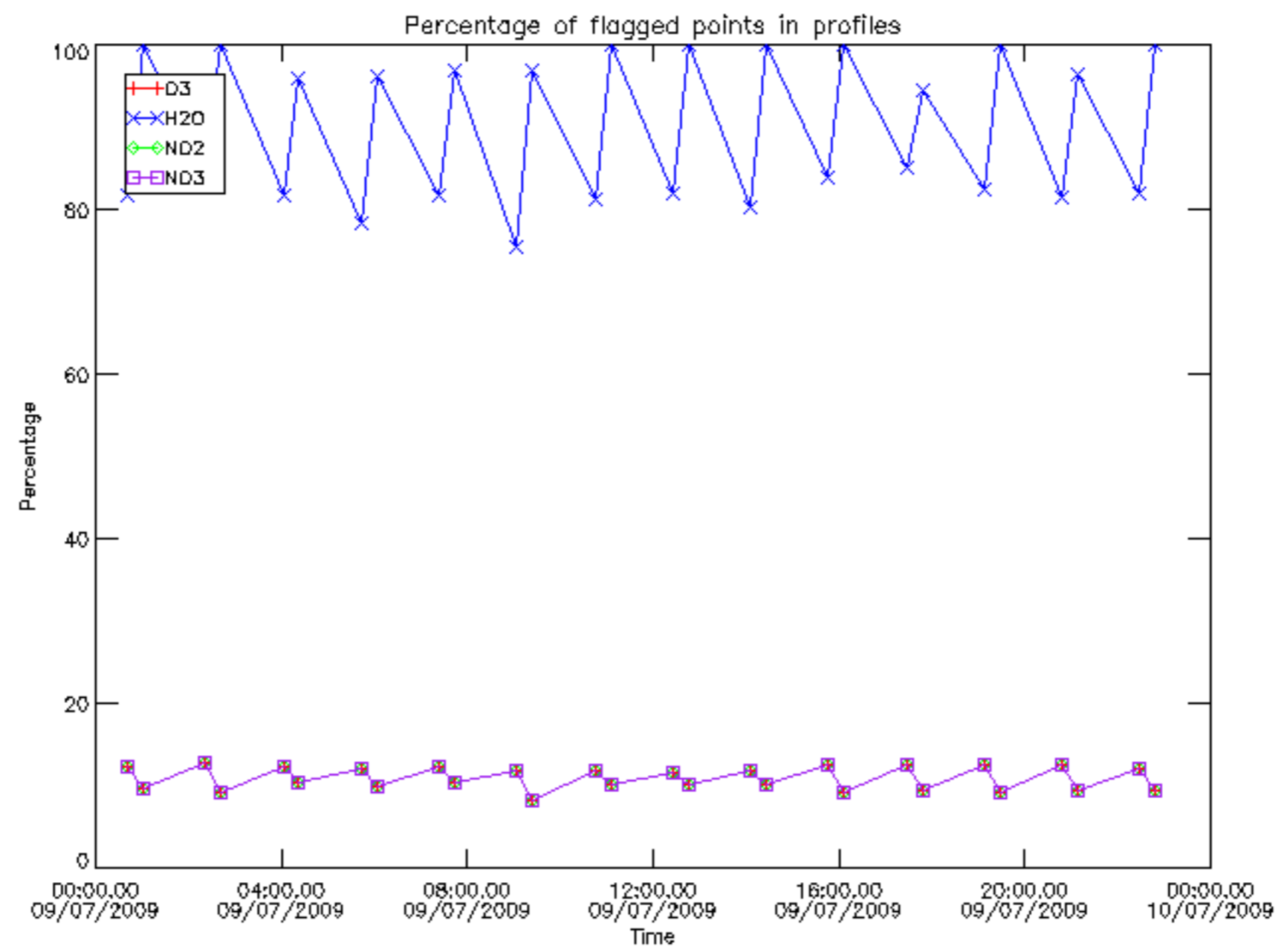






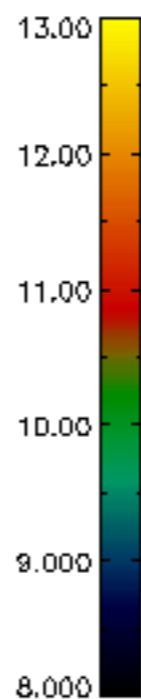
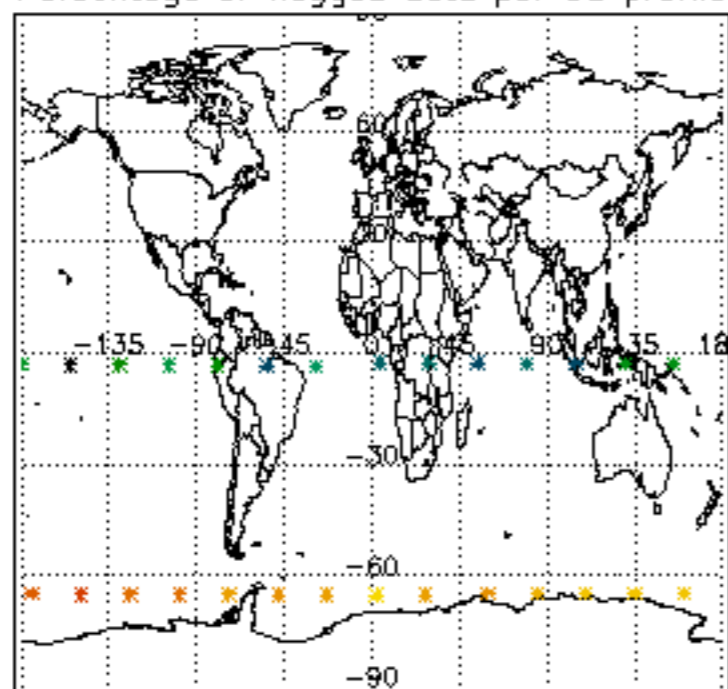




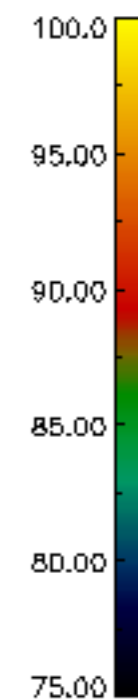
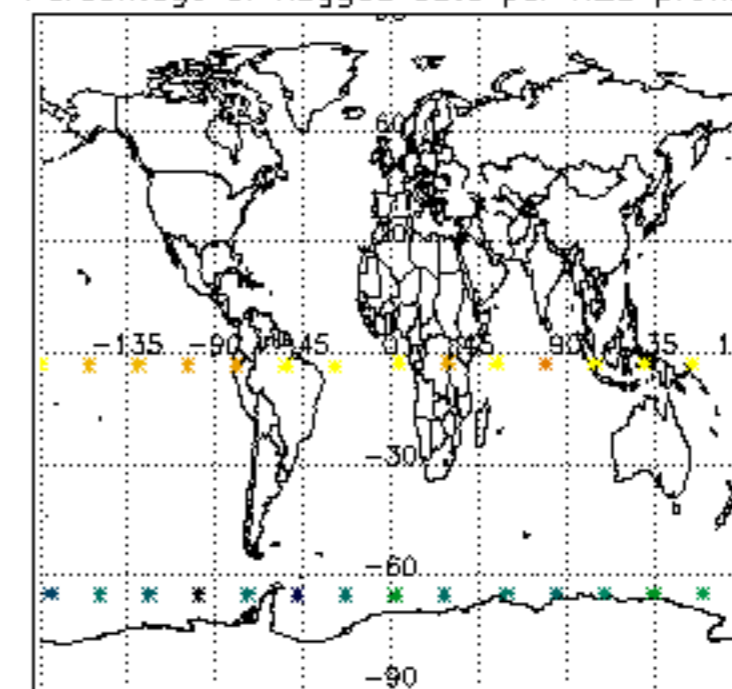




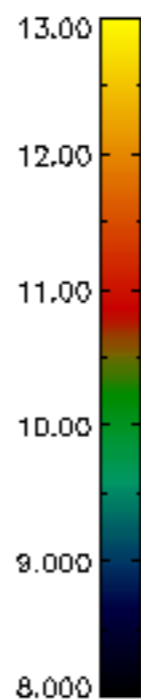
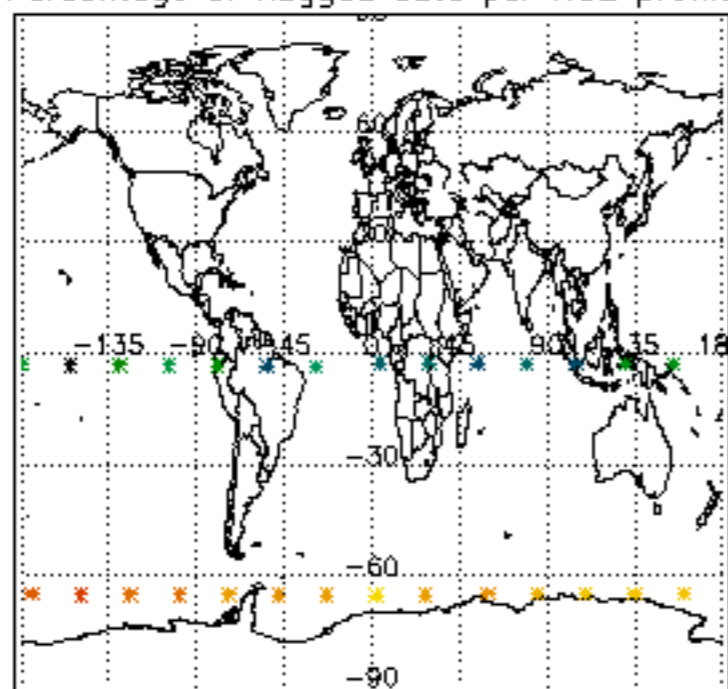
Percentage of flagged data per D3 profile



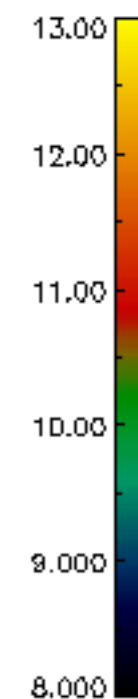
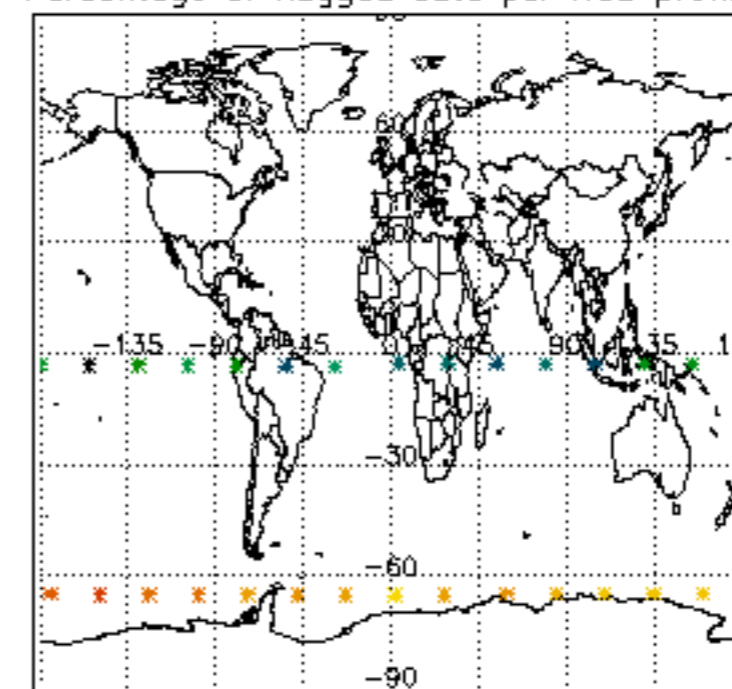
Percentage of flagged data per H2O profile

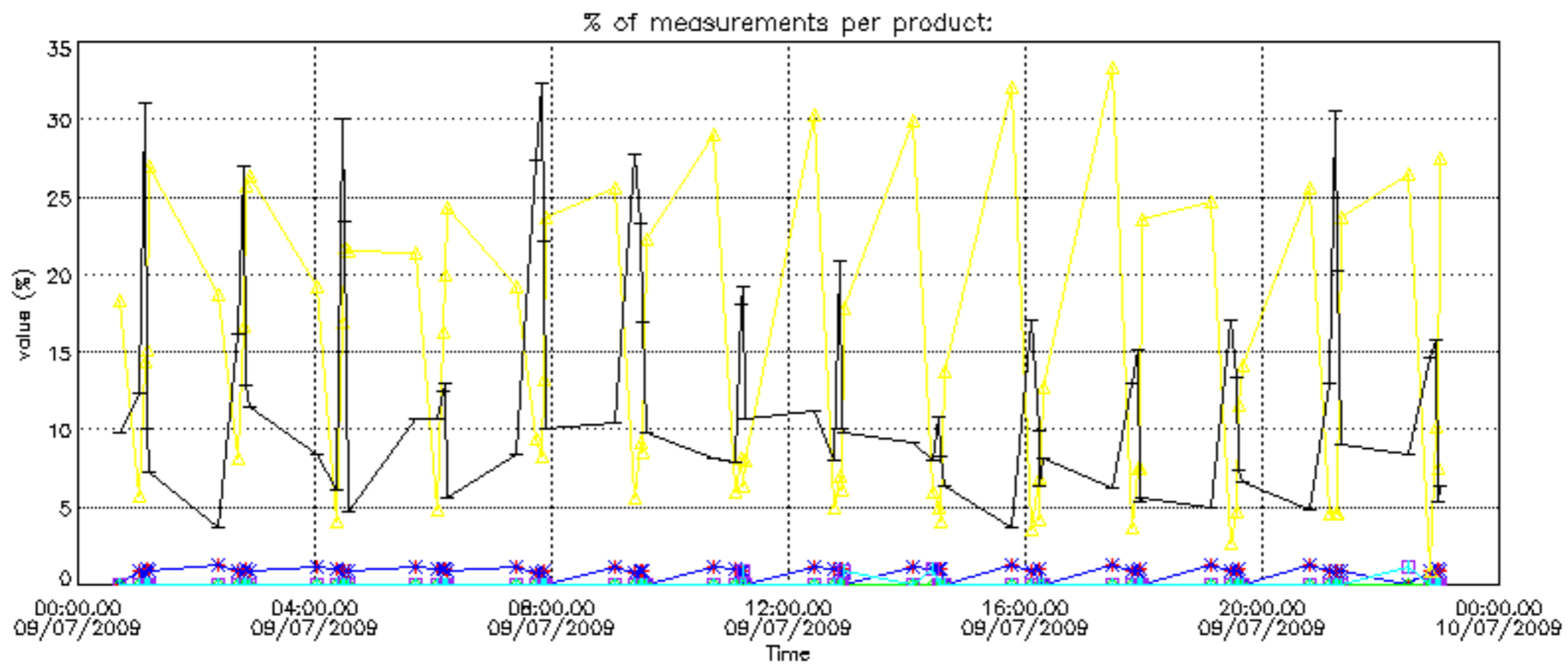


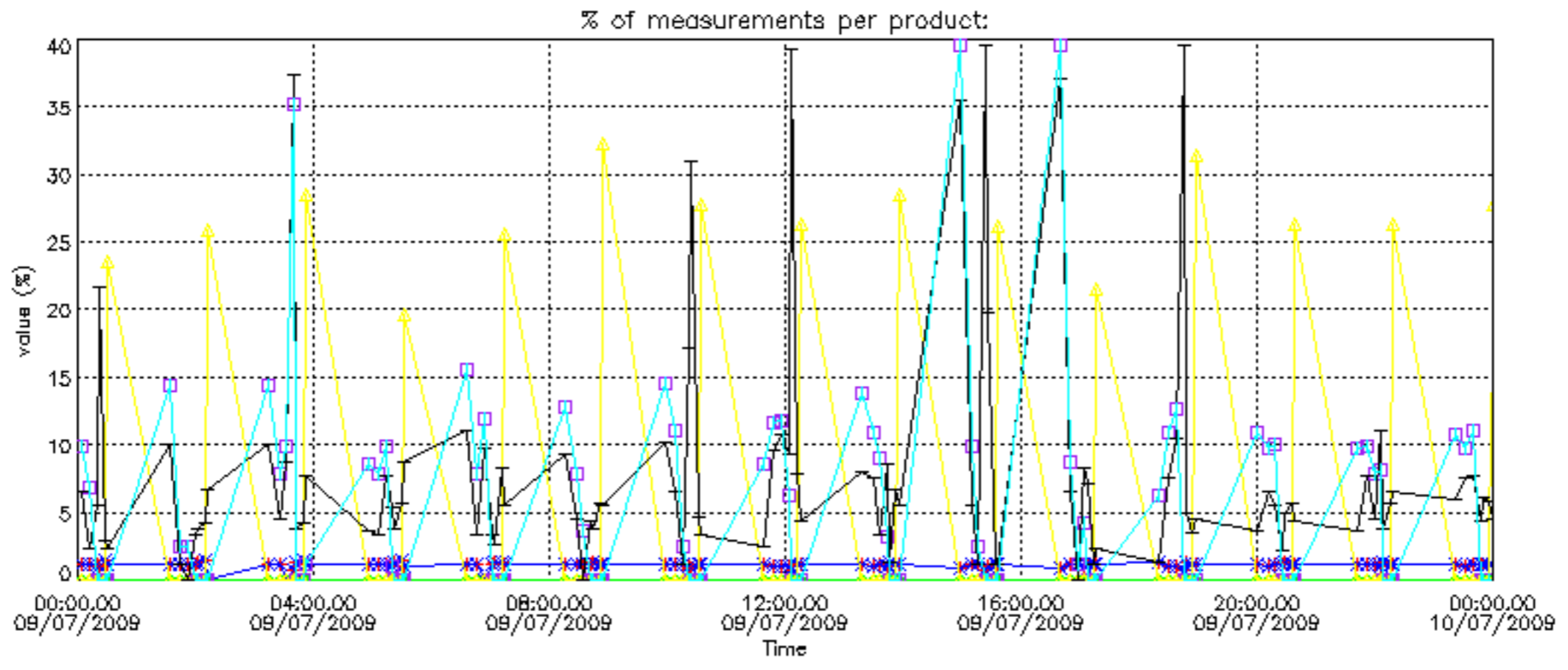
Percentage of flagged data per NO2 profile



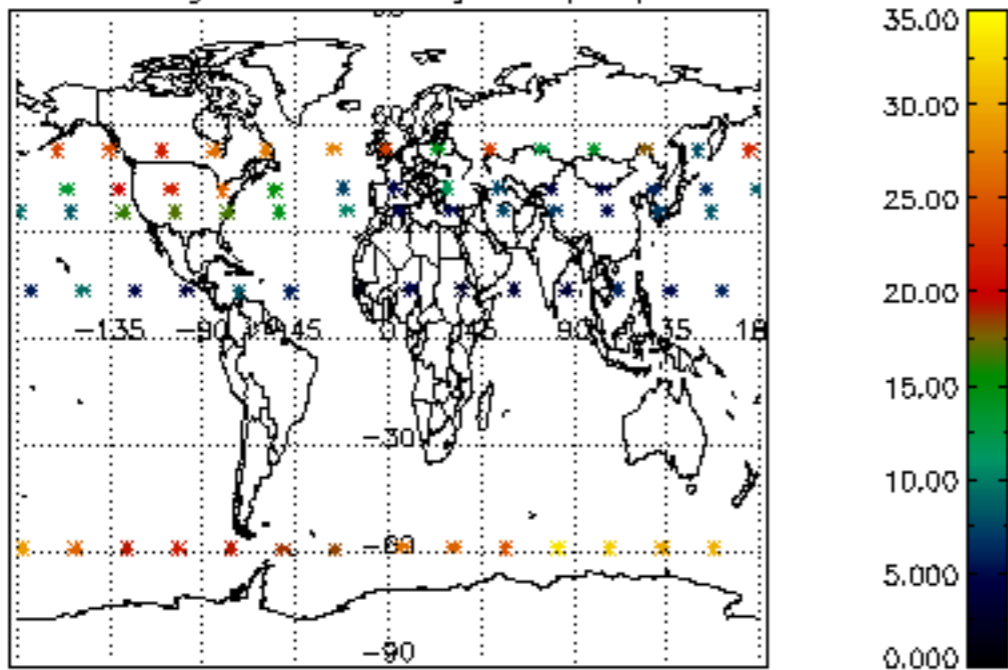
Percentage of flagged data per NO3 profile



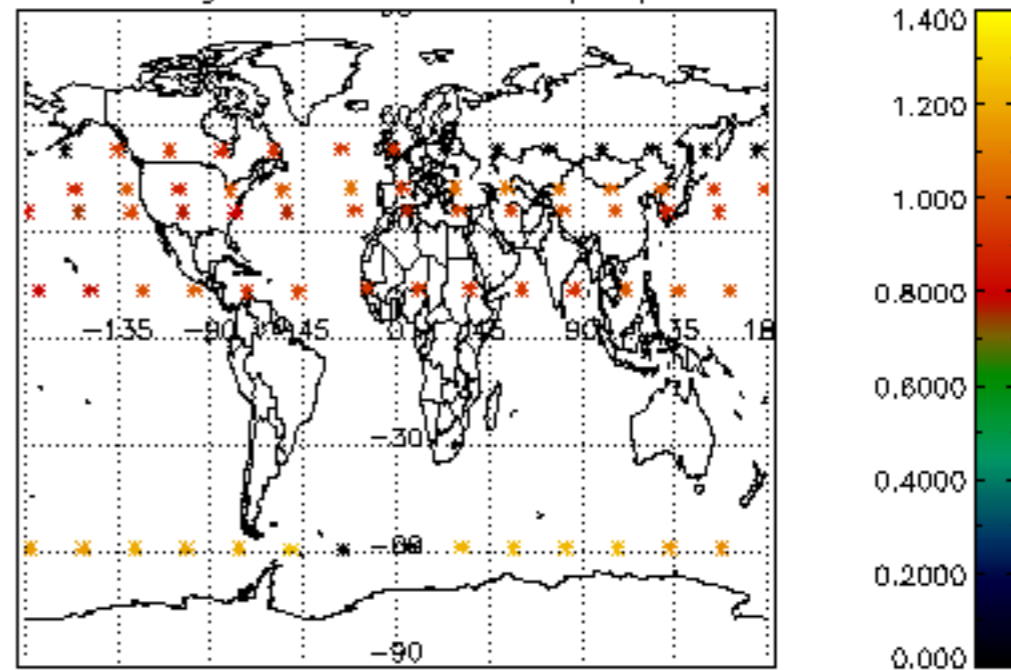




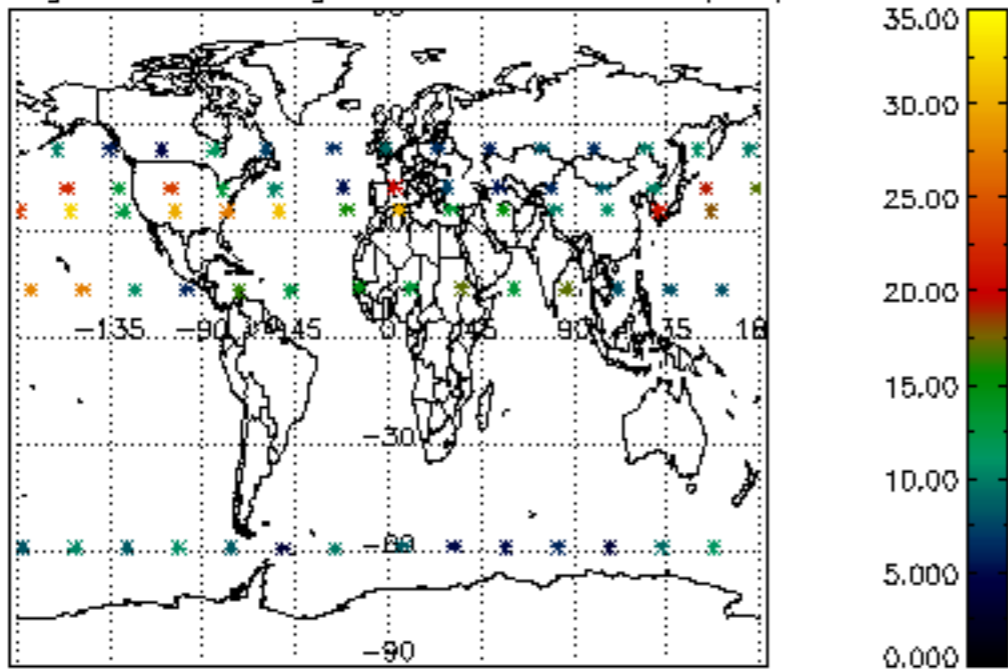
Percentage of cosmic ray hits per profile



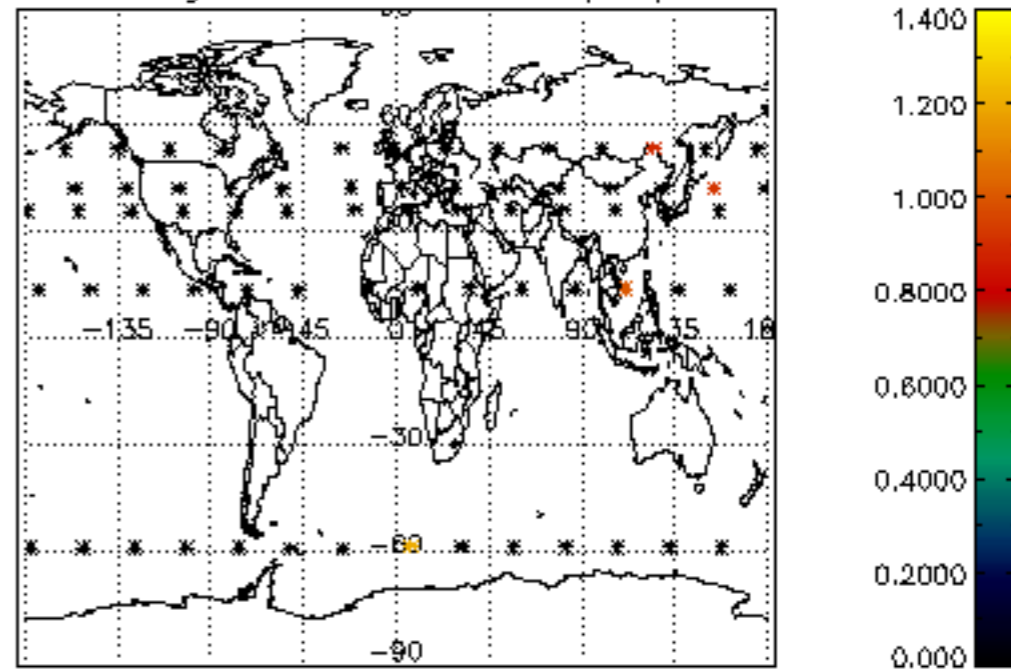
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

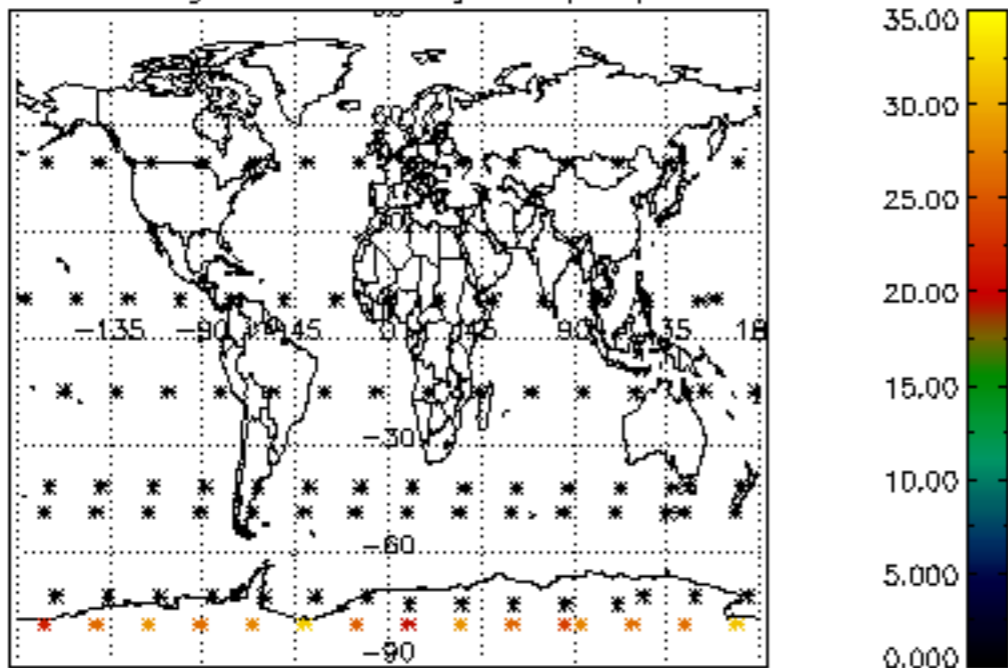


Percentage of saturation errors per profile

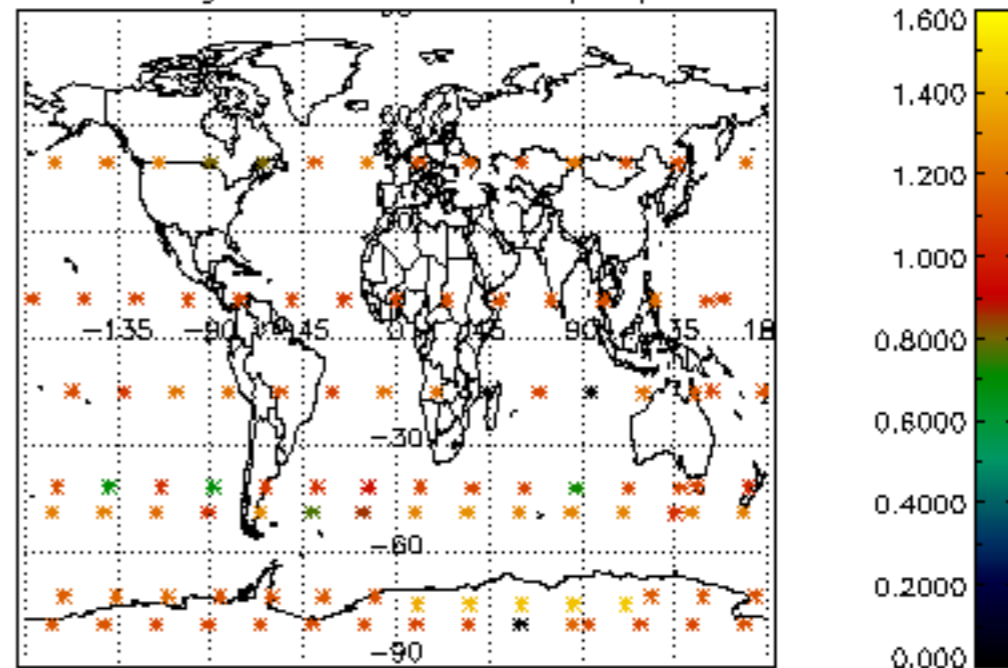




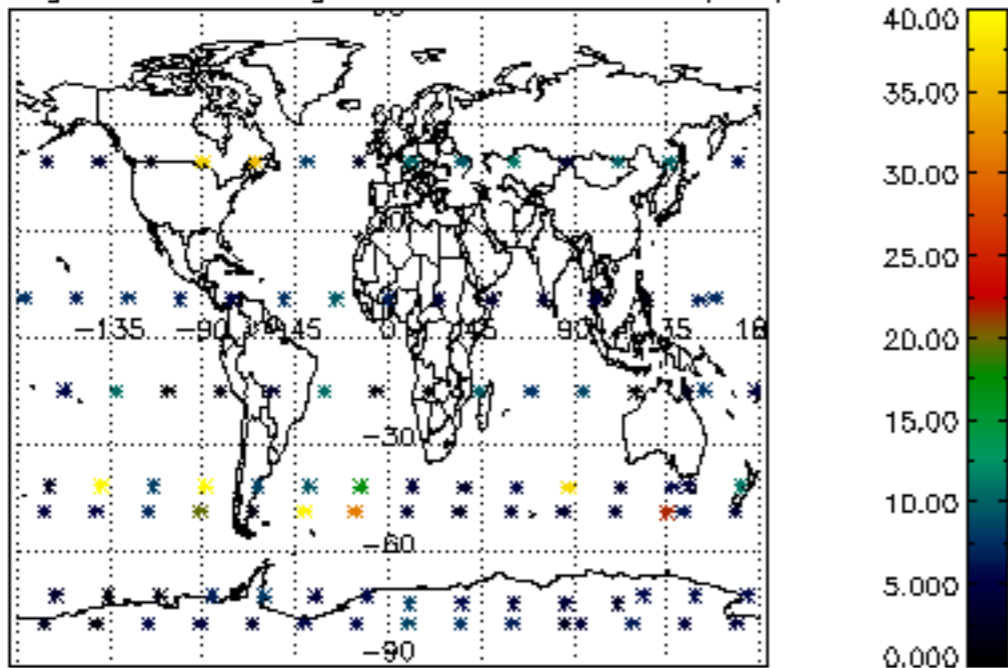
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

