

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

[2. Summary of processed GOM_NL_2P products](#)

[3. Level 2 Quality information per product](#)

[3.1 Plot of level 2 quality information per product \(time dependant\)](#)

[3.2 Plot of level 2 quality information per product \(world map\)](#)

[4. Level 1 Quality information per product \(stored on level 2 products\)](#)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Item	Value
Time of report generation	26APR2013 10:23:01
Data source version	GOMOS/6.01
Start time of products	25-06-2009 (25JUN2009 00:00:00)
Stop time of products	26-06-2009 (26JUN2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	93
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

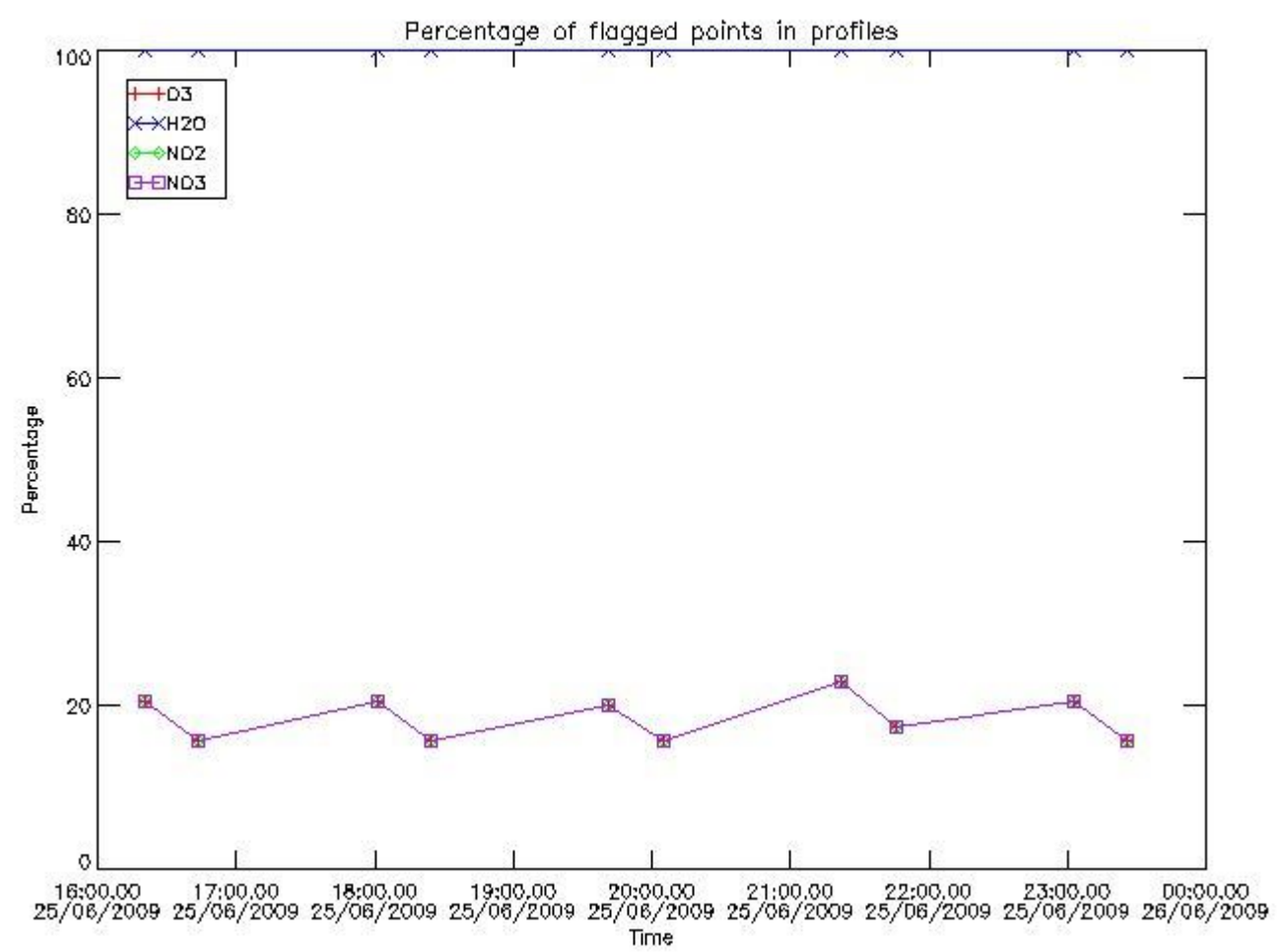
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20090625_150935_000000352080_00140_38270_5784.N1	25-JUN-2009 15:09:35	Straylight	35.000	63	Bet Gru	2.1500	2800.0	70	38270	No
2	GOM_NL__2PRFIN20090625_151136_000000342080_00140_38270_5785.N1	25-JUN-2009 15:11:36	Straylight	34.000	31	Alp Gru	1.7340	15200.	68	38270	No
3	GOM_NL__2PRFIN20090625_151432_000000272080_00140_38270_5786.N1	25-JUN-2009 15:14:32	Straylight	27.000	45	Alp Pav	1.9400	26000.	54	38270	No
4	GOM_NL__2PRFIN20090625_152337_000000272080_00140_38270_5787.N1	25-JUN-2009 15:23:37	Twilight	26.500	38	20Eps Sgr	1.8360	11000.	53	38270	No
5	GOM_NL__2PRFIN20090625_152501_000000272080_00140_38270_5788.N1	25-JUN-2009 15:25:01	Twilight	26.500	116	19Del Sgr	2.7000	4100.0	53	38270	No
6	GOM_NL__2PRFIN20090625_152709_000000322080_00140_38270_5789.N1	25-JUN-2009 15:27:09	Twilight	32.000	155	41Pi Sgr	2.9000	6600.0	64	38270	No
7	GOM_NL__2PRFIN20090625_153550_000000272080_00140_38270_5790.N1	25-JUN-2009 15:35:50	Twilight	27.000	126	60Bet Oph	2.7700	4250.0	54	38270	No
8	GOM_NL__2PRFIN20090625_153813_000000282080_00140_38270_5791.N1	25-JUN-2009 15:38:13	Bright	27.500	59	55Alp Oph	2.0800	8900.0	55	38270	No
9	GOM_NL__2PRFIN20090625_154738_000000332080_00140_38270_5792.N1	25-JUN-2009 15:47:38	Bright	33.000	5	3Alp Lyr	0.033000	11000.	66	38270	No
10	GOM_NL__2PRFIN20090625_154948_000000282080_00140_38270_5793.N1	25-JUN-2009 15:49:48	Bright	27.500	130	23Bet Dra	2.7990	5800.0	55	38270	No
11	GOM_NL__2PRFIN20090625_155920_000000322080_00140_38270_5794.N1	25-JUN-2009 15:59:20	Twilight	31.500	89	5Alp Cep	2.4510	8000.0	63	38270	No
12	GOM_NL__2PRFIN20090625_160626_000000282080_00140_38270_5795.N1	25-JUN-2009 16:06:26	Twilight	28.000	74	11Bet Cas	2.2680	6600.0	56	38270	No
13	GOM_NL__2PRFIN20090625_160802_000000272080_00140_38270_5796.N1	25-JUN-2009 16:08:02	Twilight	27.000	68	18Alp Cas	2.2250	4500.0	54	38270	No
14	GOM_NL__2PRFIN20090625_161029_000000222080_00140_38270_5797.N1	25-JUN-2009 16:10:29	Twilight	21.500	160	23Gam Per	2.9300	4700.0	43	38270	No
15	GOM_NL__2PRFIN20090625_161354_000000242080_00140_38270_5798.N1	25-JUN-2009 16:13:54	Twilight	24.000	73	57Gam1And	2.2600	13100.	48	38270	No
16	GOM_NL__2PRFIN20090625_161622_000000242080_00140_38270_5799.N1	25-JUN-2009 16:16:22	Twilight	24.000	173	4Bet Tri	3.0040	8900.0	48	38270	No
17	GOM_NL__2PRFIN20090625_162020_000000252080_00140_38270_5800.N1	25-JUN-2009 16:20:20	Dark	25.000	50	13Alp Ari	2.0070	4250.0	50	38270	No
18	GOM_NL__2PRFIN20090625_164343_000000332080_00141_38271_5822.N1	25-JUN-2009 16:43:43	Dark	32.500	84	Alp Phe	2.3970	4500.0	65	38271	No
19	GOM_NL__2PRFIN20090625_165012_000000352080_00141_38271_5823.N1	25-JUN-2009 16:50:12	Straylight	35.000	63	Bet Gru	2.1500	2800.0	70	38271	No
20	GOM_NL__2PRFIN20090625_165213_000000352080_00141_38271_5824.N1	25-JUN-2009 16:52:13	Straylight	34.500	31	Alp Gru	1.7340	15200.	69	38271	No
21	GOM_NL__2PRFIN20090625_165509_000000262080_00141_38271_5825.N1	25-JUN-2009 16:55:09	Straylight	25.500	45	Alp Pav	1.9400	26000.	51	38271	No
22	GOM_NL__2PRFIN20090625_170413_000000272080_00141_38271_5826.N1	25-JUN-2009 17:04:13	Twilight	27.000	38	20Eps Sgr	1.8360	11000.	54	38271	No
23	GOM_NL__2PRFIN20090625_170537_000000272080_00141_38271_5827.N1	25-JUN-2009 17:05:37	Twilight	26.500	116	19Del Sgr	2.7000	4100.0	53	38271	No
24	GOM_NL__2PRFIN20090625_170745_000000322080_00141_38271_5828.N1	25-JUN-2009 17:07:45	Twilight	32.000	155	41Pi Sgr	2.9000	6600.0	64	38271	No
25	GOM_NL__2PRFIN20090625_171626_000000272080_00141_38271_5829.N1	25-JUN-2009 17:16:26	Twilight	27.000	126	60Bet Oph	2.7700	4250.0	54	38271	No
26	GOM_NL__2PRFIN20090625_171848_000000282080_00141_38271_5830.N1	25-JUN-2009 17:18:48	Bright	27.500	59	55Alp Oph	2.0800	8900.0	55	38271	No
27	GOM_NL__2PRFIN20090625_172813_000000332080_00141_38271_5831.N1	25-JUN-2009 17:28:13	Bright	32.500	5	3Alp Lyr	0.033000	11000.	65	38271	No
28	GOM_NL__2PRFIN20090625_173024_000000282080_00141_38271_5832.N1	25-JUN-2009 17:30:24	Bright	27.500	130	23Bet Dra	2.7990	5800.0	55	38271	No
29	GOM_NL__2PRFIN20090625_173955_000000322080_00141_38271_5833.N1	25-JUN-2009 17:39:55	Twilight	31.500	89	5Alp Cep	2.4510	8000.0	63	38271	No
30	GOM_NL__2PRFIN20090625_174702_000000282080_00141_38271_5834.N1	25-JUN-2009 17:47:02	Twilight	28.000	74	11Bet Cas	2.2680	6600.0	56	38271	No
31	GOM_NL__2PRFIN20090625_174837_000000272080_00141_38271_5835.N1	25-JUN-2009 17:48:37	Twilight	27.000	68	18Alp Cas	2.2250	4500.0	54	38271	No
32	GOM_NL__2PRFIN20090625_175105_000000222080_00141_38271_5836.N1	25-JUN-2009 17:51:05	Twilight	21.500	160	23Gam Per	2.9300	4700.0	43	38271	No
33	GOM_NL__2PRFIN20090625_175430_000000242080_00141_38271_5837.N1	25-JUN-2009 17:54:30	Twilight	23.500	73	57Gam1And	2.2600	13100.	47	38271	No
34	GOM_NL__2PRFIN20090625_175659_000000242080_00141_38271_5838.N1	25-JUN-2009 17:56:59	Twilight	24.000	173	4Bet Tri	3.0040	8900.0	48	38271	No
35	GOM_NL__2PRFIN20090625_180056_000000252080_00141_38271_5839.N1	25-JUN-2009 18:00:56	Dark	25.000	50	13Alp Ari	2.0070	4250.0	50	38271	No
36	GOM_NL__2PRFIN20090625_182420_000000332080_00142_38272_5838.N1	25-JUN-2009 18:24:20	Dark	32.500	84	Alp Phe	2.3970	4500.0	65	38272	No
37	GOM_NL__2PRFIN20090625_183049_000000352080_00142_38272_5839.N1	25-JUN-2009 18:30:49	Straylight	35.000	63	Bet Gru	2.1500	2800.0	70	38272	No
38	GOM_NL__2PRFIN20090625_183250_000000342080_00142_38272_5840.N1	25-JUN-2009 18:32:50	Straylight	34.000	31	Alp Gru	1.7340	15200.	68	38272	No
39	GOM_NL__2PRFIN20090625_184450_000000272080_00142_38272_5841.N1	25-JUN-2009 18:44:50	Twilight	26.500	38	20Eps Sgr	1.8360	11000.	53	38272	No
40	GOM_NL__2PRFIN20090625_184613_000000272080_00142_38272_5842.N1	25-JUN-2009 18:46:13	Twilight	27.000	116	19Del Sgr	2.7000	4100.0	54	38272	No
41	GOM_NL__2PRFIN20090625_184822_000000322080_00142_38272_5843.N1	25-JUN-2009 18:48:22	Twilight	32.000	155	41Pi Sgr	2.9000	6600.0	64	38272	No
42	GOM_NL__2PRFIN20090625_185702_000000272080_00142_38272_5844.N1	25-JUN-2009 18:57:02	Twilight	27.000	126	60Bet Oph	2.7700	4250.0	54	38272	No

43	GOM_NL__2PRFIN20090625_185924_000000282080_00142_38272_5845.N1	25-JUN-2009 18:59:24	Bright	27.500	59	55Alp Oph	2.0800	8900.0	55	38272	No
44	GOM_NL__2PRFIN20090625_190849_000000332080_00142_38272_5846.N1	25-JUN-2009 19:08:49	Bright	33.000	5	3Alp Lyr	0.033000	11000.	66	38272	No
45	GOM_NL__2PRFIN20090625_191100_000000282080_00142_38272_5847.N1	25-JUN-2009 19:11:00	Bright	27.500	130	23Bet Dra	2.7990	5800.0	55	38272	No
46	GOM_NL__2PRFIN20090625_192030_000000322080_00142_38272_5848.N1	25-JUN-2009 19:20:30	Twilight	31.500	89	5Alp Cep	2.4510	8000.0	63	38272	No
47	GOM_NL__2PRFIN20090625_192738_000000282080_00142_38272_5849.N1	25-JUN-2009 19:27:38	Twilight	28.000	74	11Bet Cas	2.2680	6600.0	56	38272	No
48	GOM_NL__2PRFIN20090625_192913_000000272080_00142_38272_5850.N1	25-JUN-2009 19:29:13	Twilight	27.000	68	18Alp Cas	2.2250	4500.0	54	38272	No
49	GOM_NL__2PRFIN20090625_193141_000000222080_00142_38272_5851.N1	25-JUN-2009 19:31:41	Twilight	21.500	160	23Gam Per	2.9300	4700.0	43	38272	No
50	GOM_NL__2PRFIN20090625_193506_000000242080_00142_38272_5852.N1	25-JUN-2009 19:35:06	Twilight	23.500	73	57Gam1And	2.2600	13100.	47	38272	No
51	GOM_NL__2PRFIN20090625_193735_000000242080_00142_38272_5853.N1	25-JUN-2009 19:37:35	Twilight	23.500	173	4Bet Tri	3.0040	8900.0	47	38272	No
52	GOM_NL__2PRFIN20090625_194132_000000262080_00142_38272_5854.N1	25-JUN-2009 19:41:32	Dark	25.500	50	13Alp Ari	2.0070	4250.0	51	38272	No
53	GOM_NL__2PRFIN20090625_200457_000000332080_00143_38273_5856.N1	25-JUN-2009 20:04:57	Dark	32.500	84	Alp Phe	2.3970	4500.0	65	38273	No
54	GOM_NL__2PRFIN20090625_201126_000000352080_00143_38273_5857.N1	25-JUN-2009 20:11:26	Straylight	35.000	63	Bet Gru	2.1500	2800.0	70	38273	No
55	GOM_NL__2PRFIN20090625_201327_000000342080_00143_38273_5858.N1	25-JUN-2009 20:13:27	Straylight	34.000	31	Alp Gru	1.7340	15200.	68	38273	No
56	GOM_NL__2PRFIN20090625_202525_000000272080_00143_38273_5859.N1	25-JUN-2009 20:25:25	Twilight	27.000	38	20Eps Sgr	1.8360	11000.	54	38273	No
57	GOM_NL__2PRFIN20090625_202649_000000272080_00143_38273_5860.N1	25-JUN-2009 20:26:49	Twilight	27.000	116	19Del Sgr	2.7000	4100.0	54	38273	No
58	GOM_NL__2PRFIN20090625_202858_000000322080_00143_38273_5861.N1	25-JUN-2009 20:28:58	Twilight	31.500	155	41Pi Sgr	2.9000	6600.0	63	38273	No
59	GOM_NL__2PRFIN20090625_203738_000000282080_00143_38273_5862.N1	25-JUN-2009 20:37:38	Bright	27.500	126	60Bet Oph	2.7700	4250.0	55	38273	No
60	GOM_NL__2PRFIN20090625_204000_000000282080_00143_38273_5863.N1	25-JUN-2009 20:40:00	Bright	27.500	59	55Alp Oph	2.0800	8900.0	55	38273	No
61	GOM_NL__2PRFIN20090625_204924_000000332080_00143_38273_5864.N1	25-JUN-2009 20:49:24	Bright	32.500	5	3Alp Lyr	0.033000	11000.	65	38273	No
62	GOM_NL__2PRFIN20090625_205135_000000272080_00143_38273_5865.N1	25-JUN-2009 20:51:35	Bright	27.000	130	23Bet Dra	2.7990	5800.0	54	38273	No
63	GOM_NL__2PRFIN20090625_210106_000000312080_00143_38273_5866.N1	25-JUN-2009 21:01:06	Twilight	31.000	89	5Alp Cep	2.4510	8000.0	62	38273	No
64	GOM_NL__2PRFIN20090625_210813_000000292080_00143_38273_5867.N1	25-JUN-2009 21:08:13	Twilight	28.500	74	11Bet Cas	2.2680	6600.0	57	38273	No
65	GOM_NL__2PRFIN20090625_210949_000000272080_00143_38273_5868.N1	25-JUN-2009 21:09:49	Twilight	27.000	68	18Alp Cas	2.2250	4500.0	54	38273	No
66	GOM_NL__2PRFIN20090625_211216_000000222080_00143_38273_5869.N1	25-JUN-2009 21:12:16	Twilight	21.500	160	23Gam Per	2.9300	4700.0	43	38273	No
67	GOM_NL__2PRFIN20090625_211542_000000242080_00143_38273_5870.N1	25-JUN-2009 21:15:42	Twilight	23.500	73	57Gam1And	2.2600	13100.	47	38273	No
68	GOM_NL__2PRFIN20090625_211811_000000242080_00143_38273_5871.N1	25-JUN-2009 21:18:11	Twilight	23.500	173	4Bet Tri	3.0040	8900.0	47	38273	No
69	GOM_NL__2PRFIN20090625_212209_000000242080_00143_38273_5872.N1	25-JUN-2009 21:22:09	Dark	24.000	50	13Alp Ari	2.0070	4250.0	48	38273	No
70	GOM_NL__2PRFIN20090625_214534_000000332080_00144_38274_5872.N1	25-JUN-2009 21:45:34	Dark	32.500	84	Alp Phe	2.3970	4500.0	65	38274	No
71	GOM_NL__2PRFIN20090625_215203_000000352080_00144_38274_5873.N1	25-JUN-2009 21:52:03	Straylight	34.500	63	Bet Gru	2.1500	2800.0	69	38274	No
72	GOM_NL__2PRFIN20090625_215404_000000352080_00144_38274_5874.N1	25-JUN-2009 21:54:04	Straylight	34.500	31	Alp Gru	1.7340	15200.	69	38274	No
73	GOM_NL__2PRFIN20090625_220601_000000272080_00144_38274_5875.N1	25-JUN-2009 22:06:01	Twilight	27.000	38	20Eps Sgr	1.8360	11000.	54	38274	No
74	GOM_NL__2PRFIN20090625_220725_000000282080_00144_38274_5876.N1	25-JUN-2009 22:07:25	Twilight	27.500	116	19Del Sgr	2.7000	4100.0	55	38274	No
75	GOM_NL__2PRFIN20090625_220934_000000322080_00144_38274_5877.N1	25-JUN-2009 22:09:34	Twilight	32.000	155	41Pi Sgr	2.9000	6600.0	64	38274	No
76	GOM_NL__2PRFIN20090625_221813_000000272080_00144_38274_5878.N1	25-JUN-2009 22:18:13	Twilight	27.000	126	60Bet Oph	2.7700	4250.0	54	38274	No
77	GOM_NL__2PRFIN20090625_222036_000000272080_00144_38274_5879.N1	25-JUN-2009 22:20:36	Bright	27.000	59	55Alp Oph	2.0800	8900.0	54	38274	No
78	GOM_NL__2PRFIN20090625_222959_000000332080_00144_38274_5880.N1	25-JUN-2009 22:29:59	Bright	33.000	5	3Alp Lyr	0.033000	11000.	66	38274	No
79	GOM_NL__2PRFIN20090625_223211_000000282080_00144_38274_5881.N1	25-JUN-2009 22:32:11	Bright	27.500	130	23Bet Dra	2.7990	5800.0	55	38274	No
80	GOM_NL__2PRFIN20090625_224141_000000312080_00144_38274_5882.N1	25-JUN-2009 22:41:41	Twilight	31.000	89	5Alp Cep	2.4510	8000.0	62	38274	No
81	GOM_NL__2PRFIN20090625_224848_000000282080_00144_38274_5883.N1	25-JUN-2009 22:48:48	Twilight	28.000	74	11Bet Cas	2.2680	6600.0	56	38274	No
82	GOM_NL__2PRFIN20090625_225024_000000282080_00144_38274_5884.N1	25-JUN-2009 22:50:24	Twilight	27.500	68	18Alp Cas	2.2250	4500.0	55	38274	No
83	GOM_NL__2PRFIN20090625_225252_000000222080_00144_38274_5885.N1	25-JUN-2009 22:52:52	Twilight	21.500	160	23Gam Per	2.9300	4700.0	43	38274	No
84	GOM_NL__2PRFIN20090625_225617_000000242080_00144_38274_5886.N1	25-JUN-2009 22:56:17	Twilight	24.000	73	57Gam1And	2.2600	13100.	48	38274	No
85	GOM_NL__2PRFIN20090625_225847_000000242080_00144_38274_5887.N1	25-JUN-2009 22:58:47	Twilight	23.500	173	4Bet Tri	3.0040	8900.0	47	38274	No
86	GOM_NL__2PRFIN20090625_230245_000000252080_00144_38274_5888.N1	25-JUN-2009 23:02:45	Dark	24.500	50	13Alp Ari	2.0070	4250.0	49	38274	No
87	GOM_NL__2PRFIN20090625_232610_000000332080_00145_38275_5886.N1	25-JUN-2009 23:26:10	Dark	32.500	84	Alp Phe	2.3970	4500.0	65	38275	No
88	GOM_NL__2PRFIN20090625_233240_000000352080_00145_38275_5887.N1	25-JUN-2009 23:32:40	Straylight	35.000	63	Bet Gru	2.1500	2800.0	70	38275	No
89	GOM_NL__2PRFIN20090625_233440_000000352080_00145_38275_5888.N1	25-JUN-2009 23:34:40	Straylight	35.000	31	Alp Gru	1.7340	15200.	70	38275	No
90	GOM_NL__2PRFIN20090625_234638_000000272080_00145_38275_5889.N1	25-JUN-2009 23:46:38	Twilight	27.000	38	20Eps Sgr	1.8360	11000.	54	38275	No
91	GOM_NL__2PRFIN20090625_234802_000000272080_00145_38275_5890.N1	25-JUN-2009 23:48:02	Twilight	26.500	116	19Del Sgr	2.7000	4100.0	53	38275	No
92	GOM_NL__2PRFIN20090625_235010_000000322080_00145_38275_5891.N1	25-JUN-2009 23:50:10	Twilight	31.500	155	41Pi Sgr	2.9000	6600.0	63	38275	No
93	GOM_NL__2PRFIN20090625_235849_000000282080_00145_38275_5892.N1	25-JUN-2009 23:58:49	Twilight	27.500	126	60Bet Oph	2.7700	4250.0	55	38275	No

3. Quality information per product

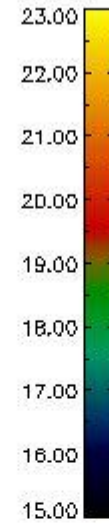
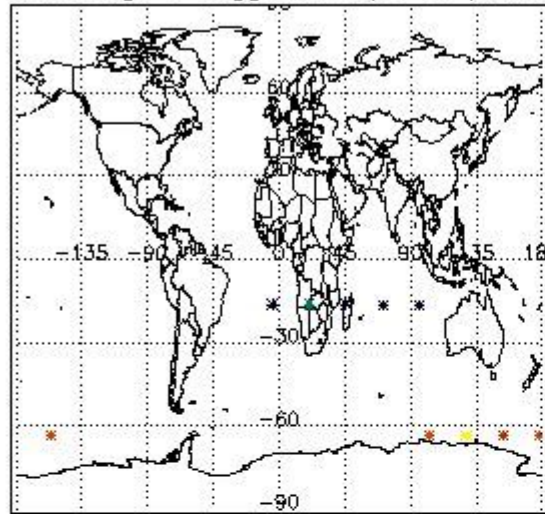
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

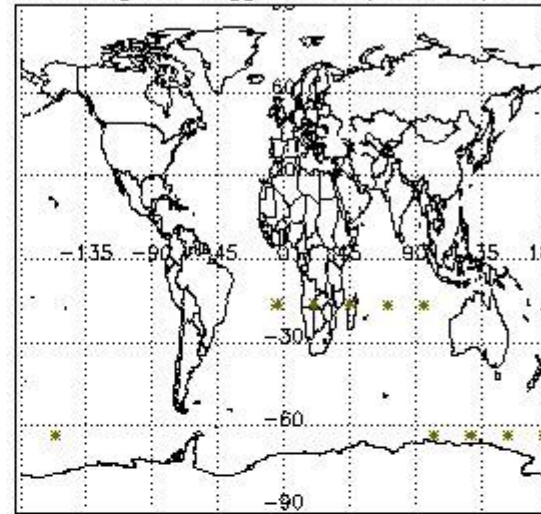


3.2 Plot quality information per product (world map)

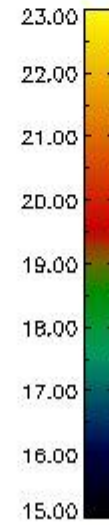
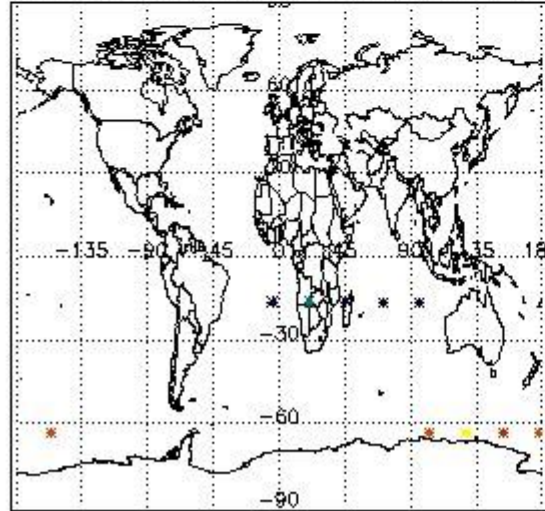
Percentage of flagged data per O3 profile



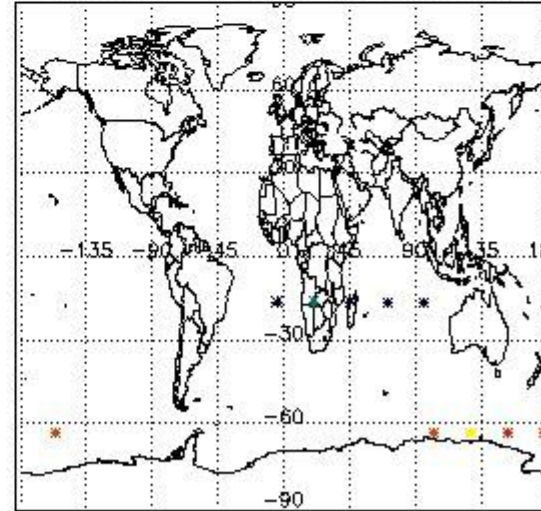
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

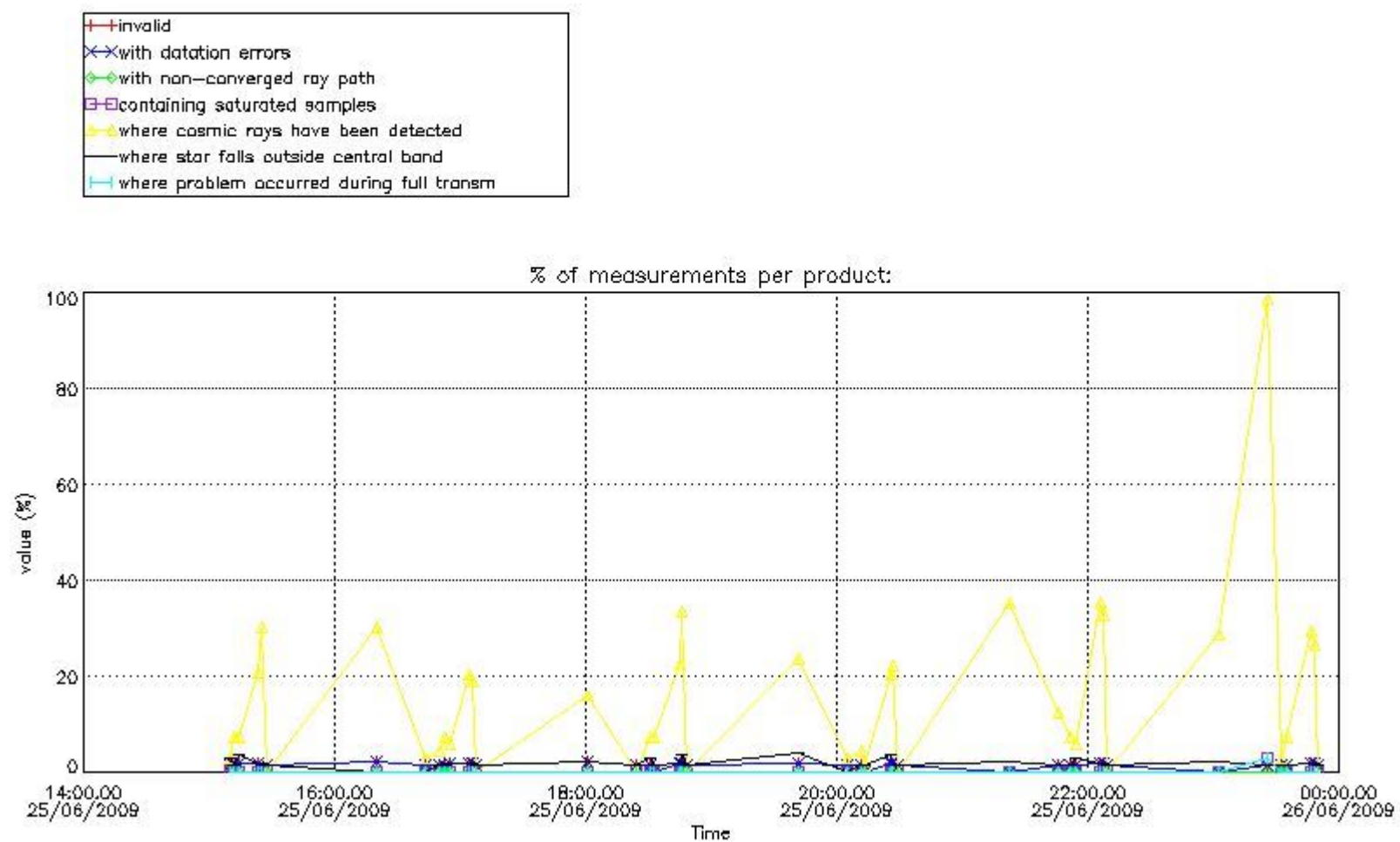


4. Level 1 quality information per product

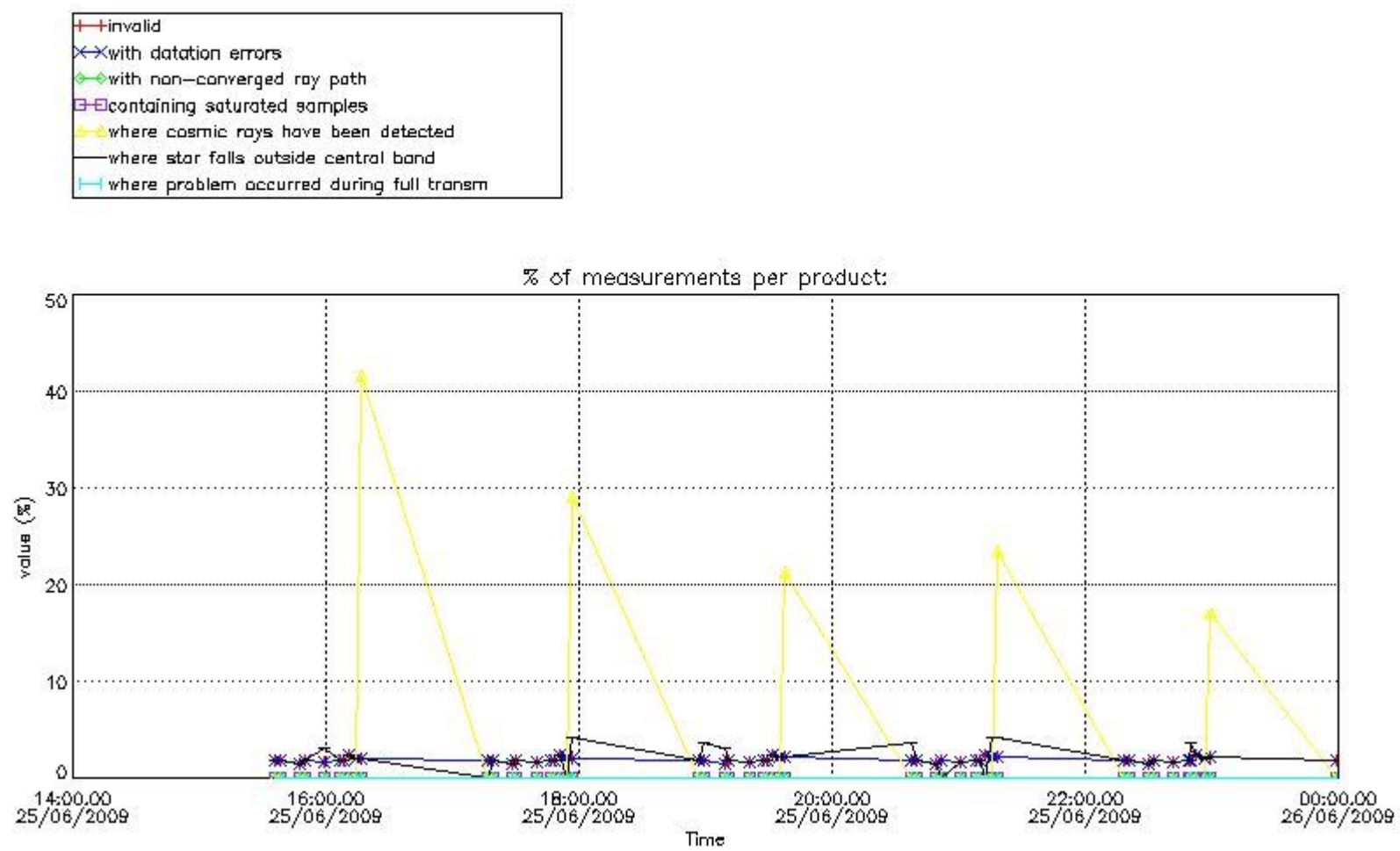
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



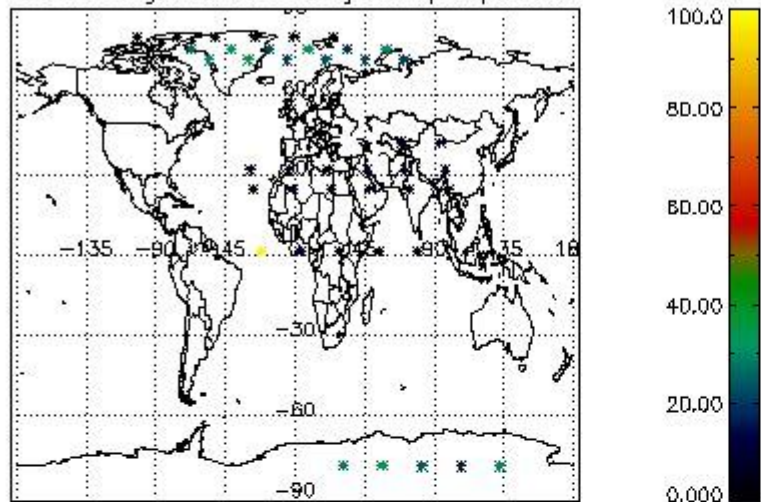
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



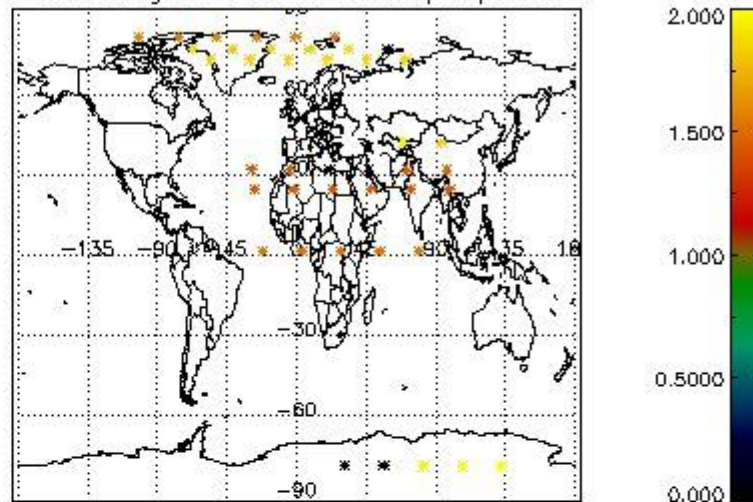
4.2 Plot quality information per product coming from level 1b processing (world map)

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

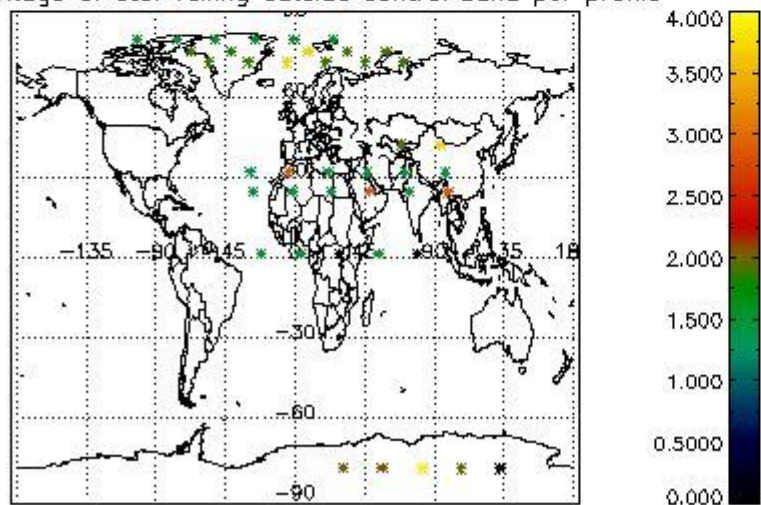
Percentage of cosmic ray hits per profile



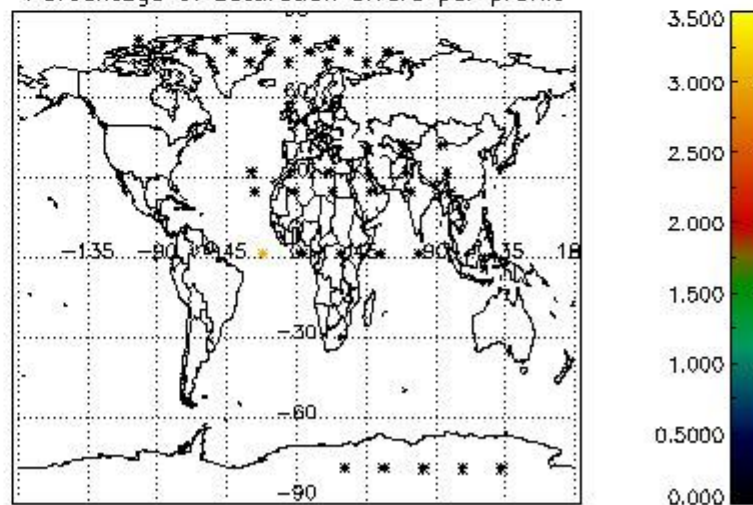
Percentage of datation errors per profile



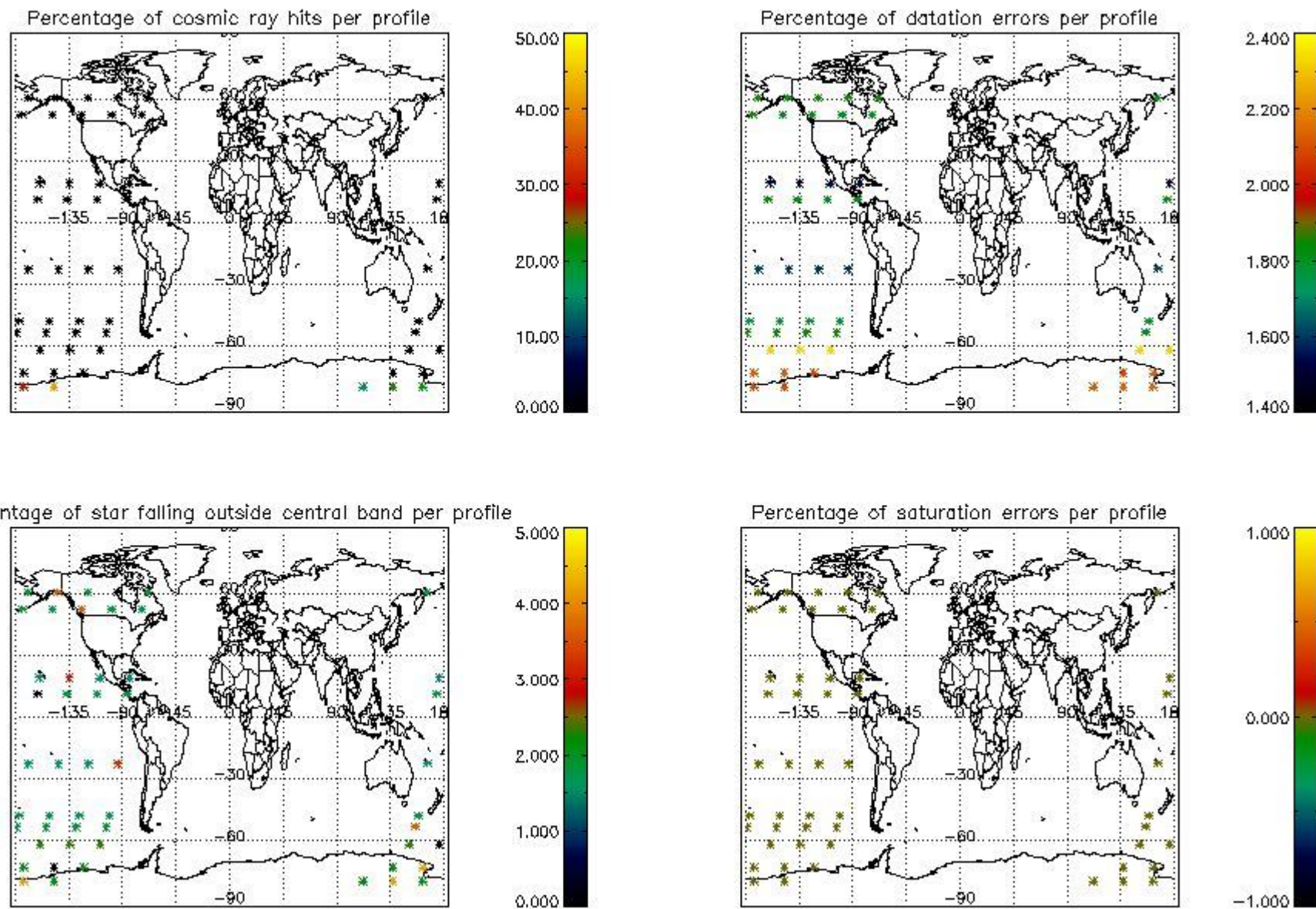
Percentage of star falling outside central band per profile



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

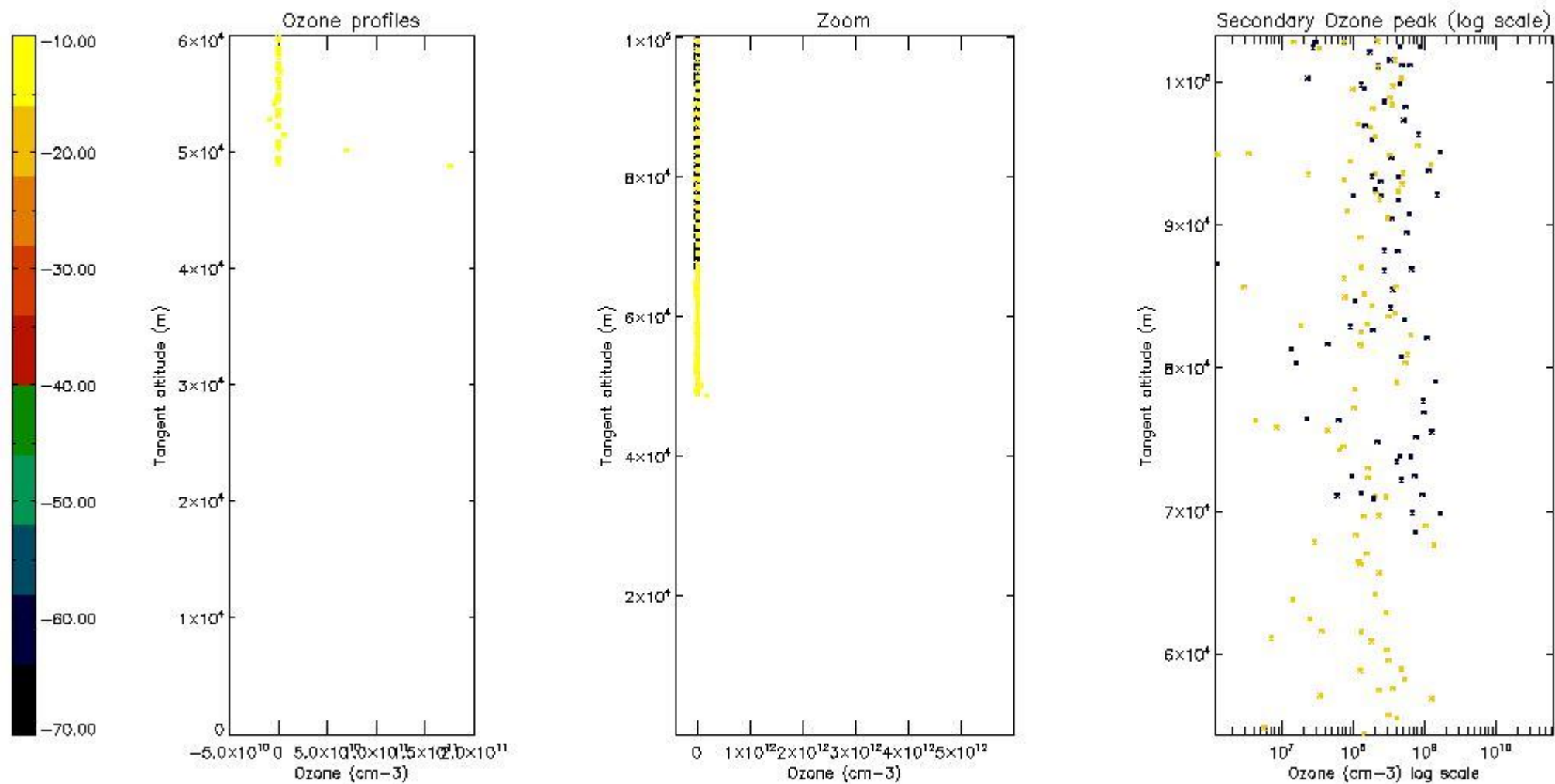
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	11.000
STD < 20	0.0000

STD < 10	0.0000
STD < 5	NaN

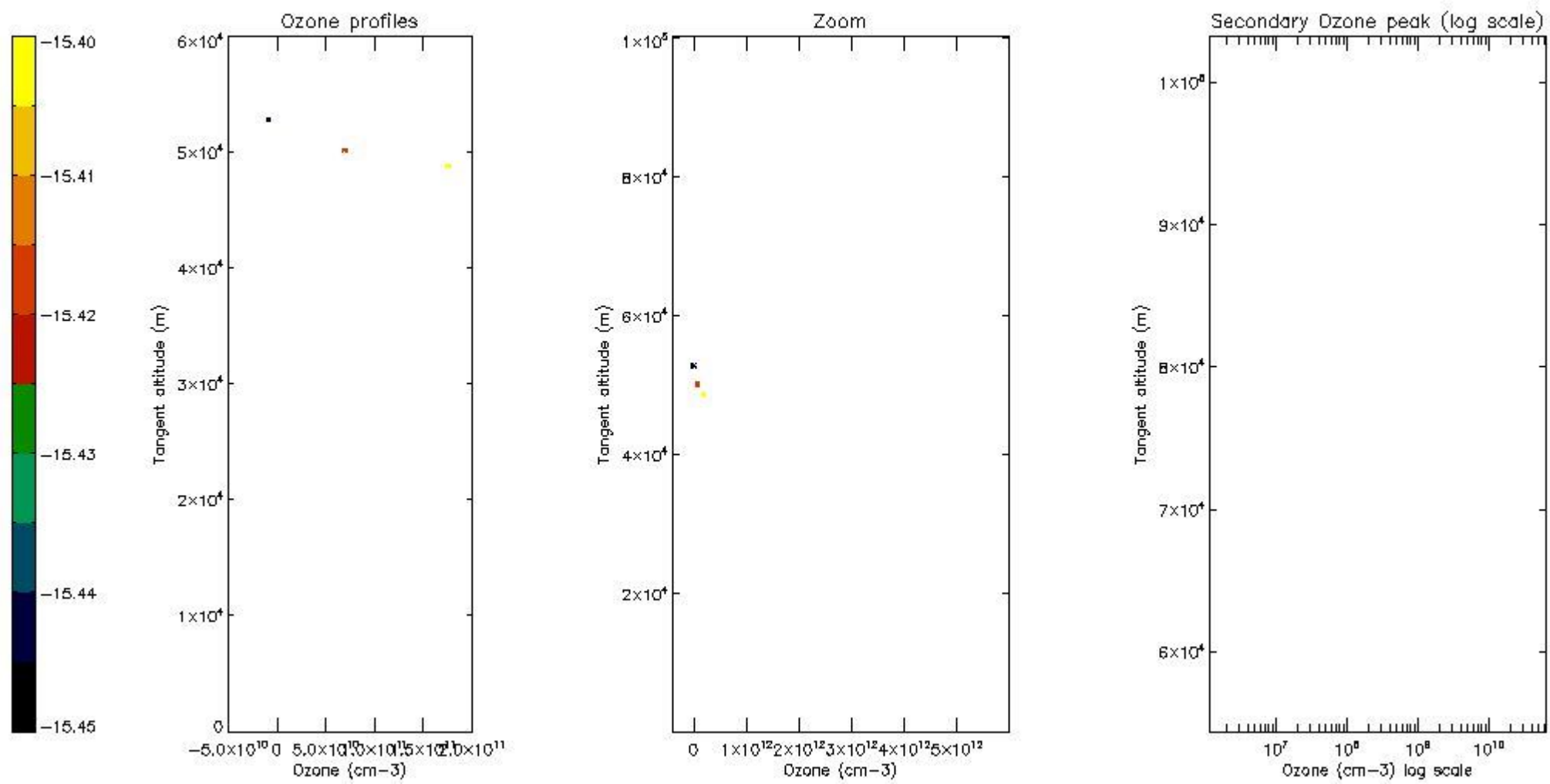
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



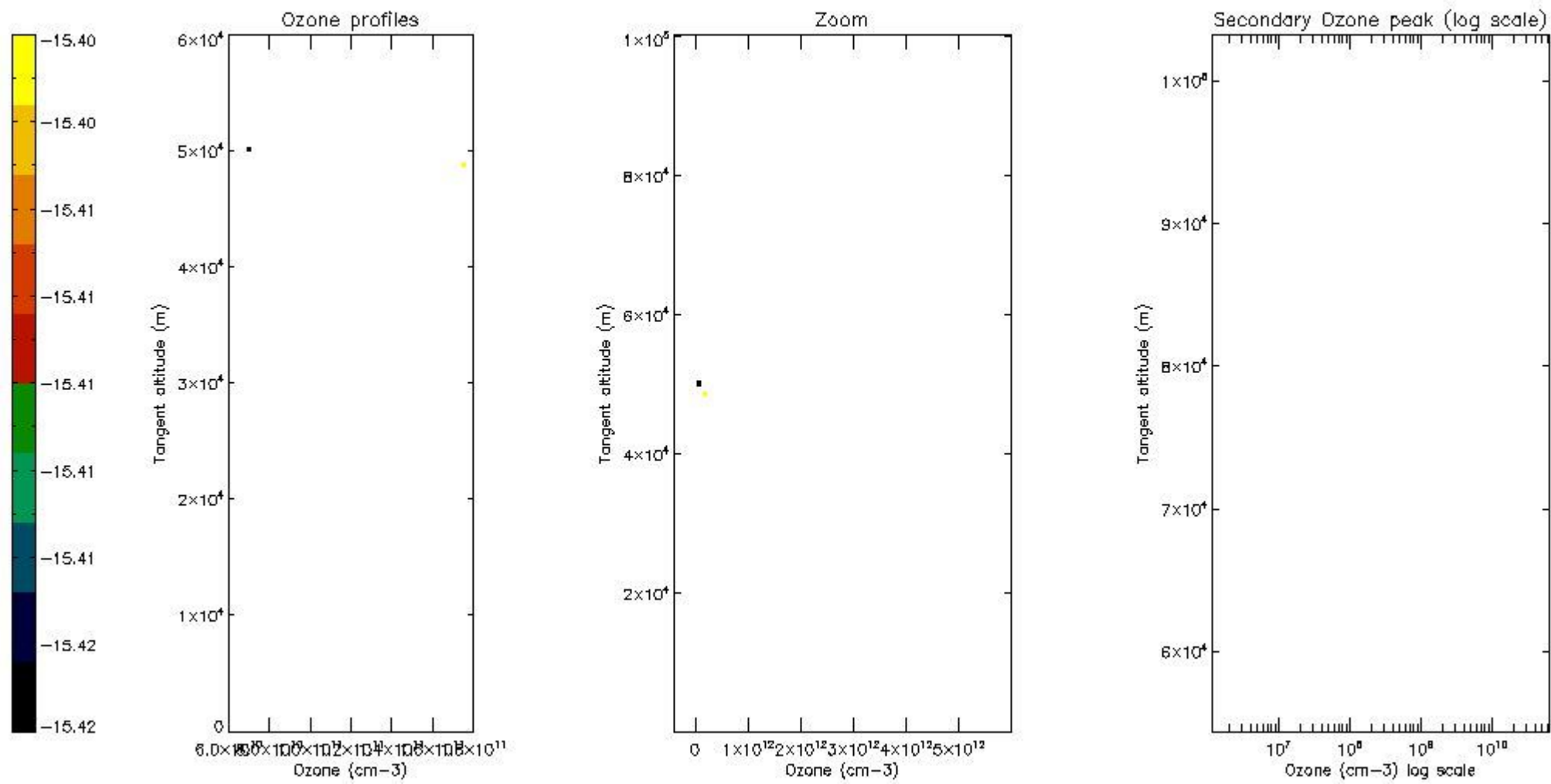
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.

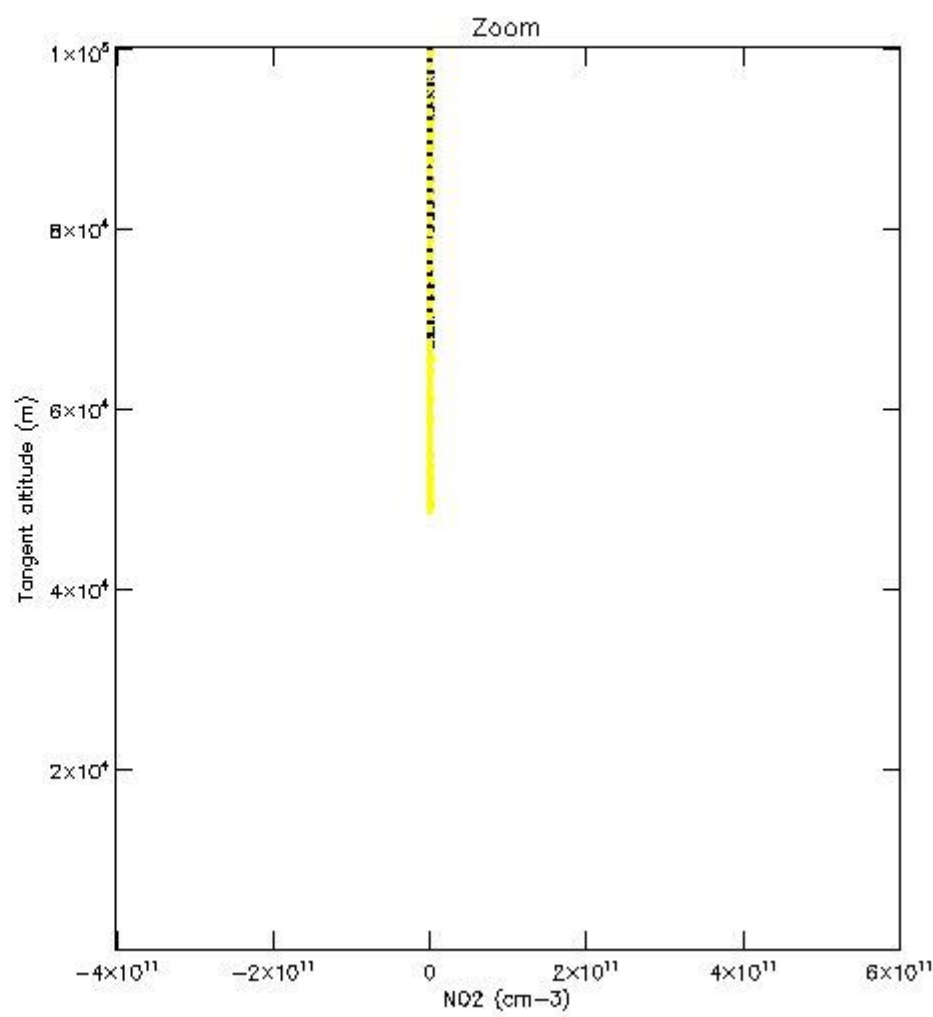
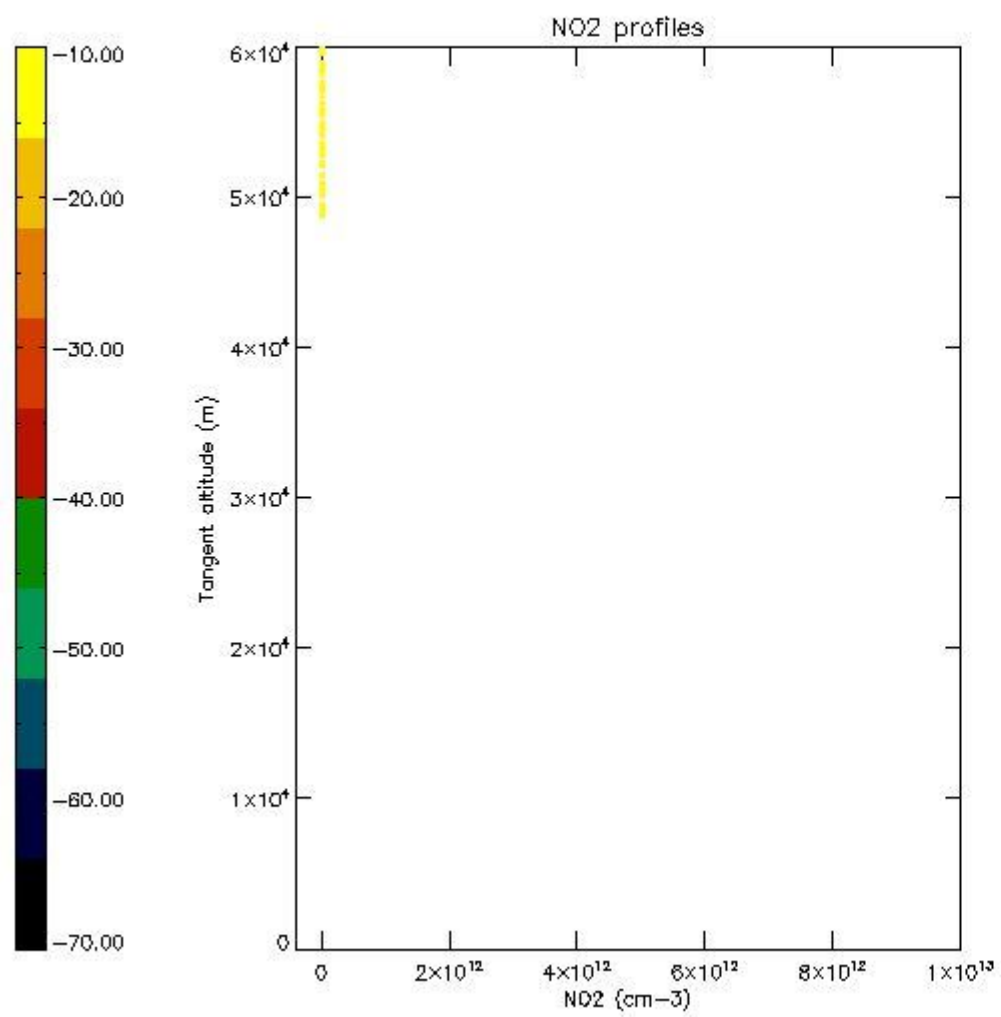


5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.

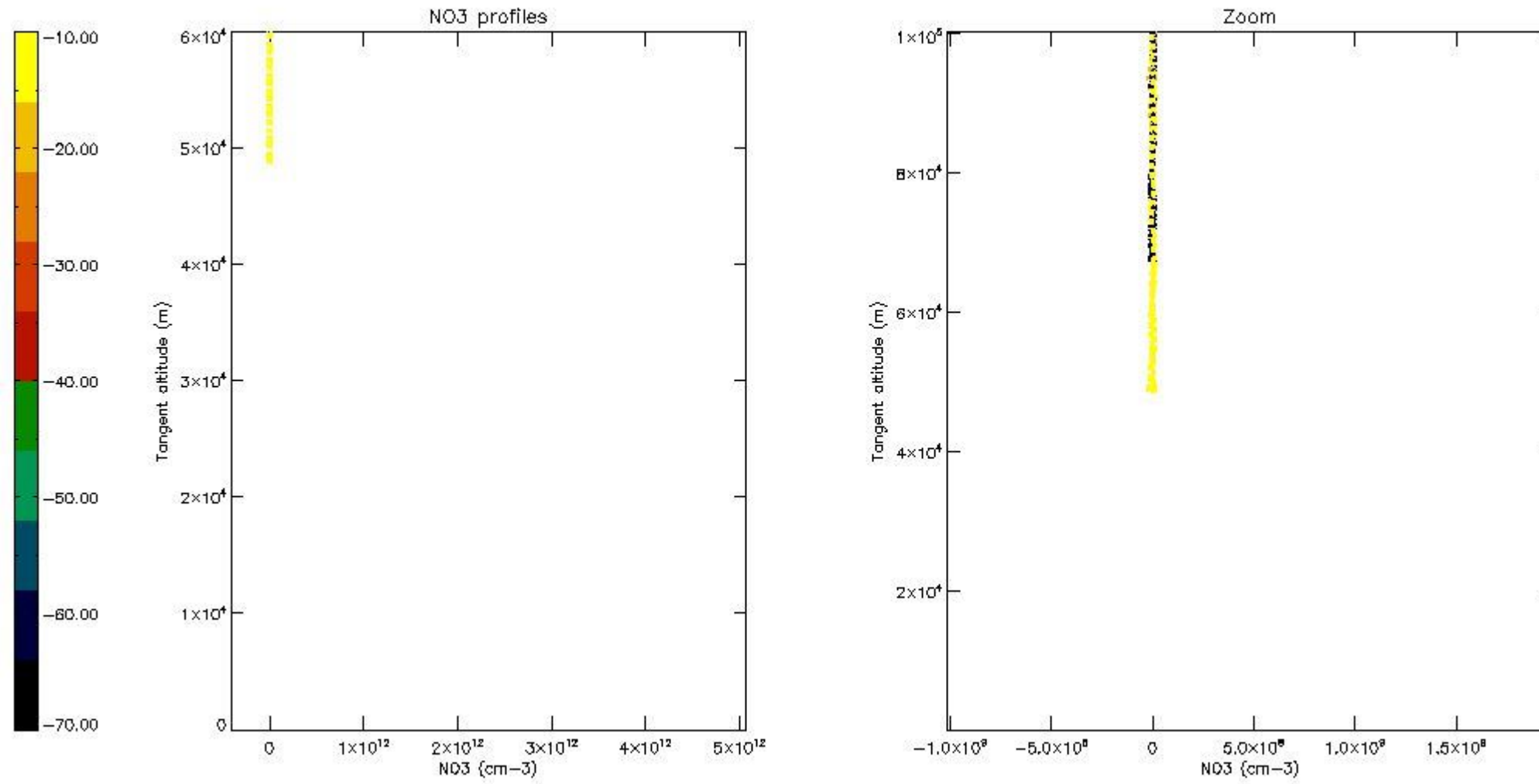
5.6 Plot NO2 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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	25-JUN-2009 15:09:35
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	25-JUN-2009 15:09:35
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	25-JUN-2009 15:09:35

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

[2. Summary of processed GOM_NL_2P products](#)

[3. Level 2 Quality information per product](#)

[3.1 Plot of level 2 quality information per product \(time dependant\)](#)

[3.2 Plot of level 2 quality information per product \(world map\)](#)

[4. Level 1 Quality information per product \(stored on level 2 products\)](#)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Item	Value
Time of report generation	26APR2013 10:23:01
Data source version	GOMOS/6.01
Start time of products	25-06-2009 (25JUN2009 00:00:00)
Stop time of products	26-06-2009 (26JUN2009 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	93
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

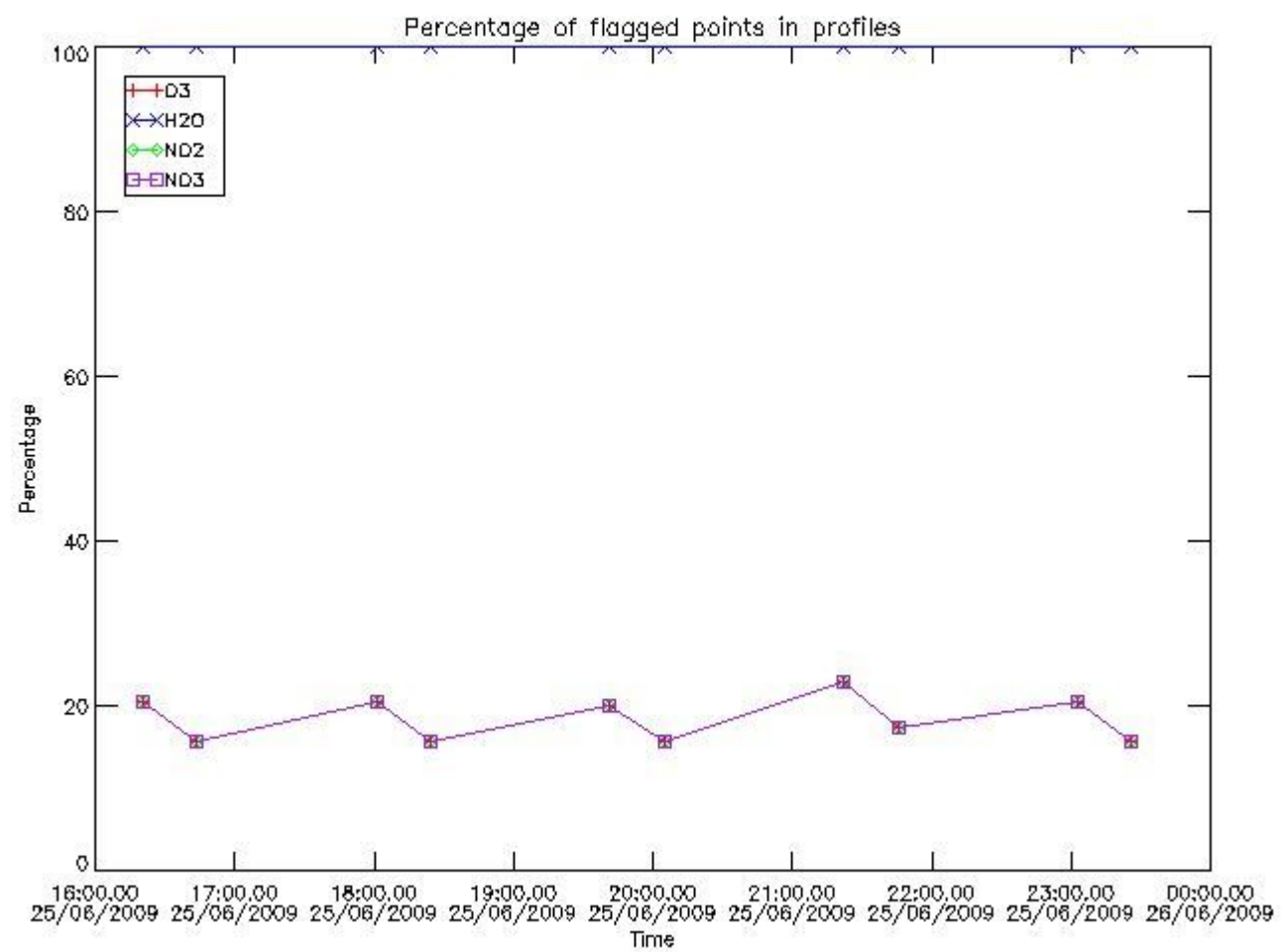
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20090625_150935_000000352080_00140_38270_5784.N1	25-JUN-2009 15:09:35	Straylight	35.000	63	Bet Gru	2.1500	2800.0	70	38270	No
2	GOM_NL__2PRFIN20090625_151136_000000342080_00140_38270_5785.N1	25-JUN-2009 15:11:36	Straylight	34.000	31	Alp Gru	1.7340	15200.	68	38270	No
3	GOM_NL__2PRFIN20090625_151432_000000272080_00140_38270_5786.N1	25-JUN-2009 15:14:32	Straylight	27.000	45	Alp Pav	1.9400	26000.	54	38270	No
4	GOM_NL__2PRFIN20090625_152337_000000272080_00140_38270_5787.N1	25-JUN-2009 15:23:37	Twilight	26.500	38	20Eps Sgr	1.8360	11000.	53	38270	No
5	GOM_NL__2PRFIN20090625_152501_000000272080_00140_38270_5788.N1	25-JUN-2009 15:25:01	Twilight	26.500	116	19Del Sgr	2.7000	4100.0	53	38270	No
6	GOM_NL__2PRFIN20090625_152709_000000322080_00140_38270_5789.N1	25-JUN-2009 15:27:09	Twilight	32.000	155	41Pi Sgr	2.9000	6600.0	64	38270	No
7	GOM_NL__2PRFIN20090625_153550_000000272080_00140_38270_5790.N1	25-JUN-2009 15:35:50	Twilight	27.000	126	60Bet Oph	2.7700	4250.0	54	38270	No
8	GOM_NL__2PRFIN20090625_153813_000000282080_00140_38270_5791.N1	25-JUN-2009 15:38:13	Bright	27.500	59	55Alp Oph	2.0800	8900.0	55	38270	No
9	GOM_NL__2PRFIN20090625_154738_000000332080_00140_38270_5792.N1	25-JUN-2009 15:47:38	Bright	33.000	5	3Alp Lyr	0.033000	11000.	66	38270	No
10	GOM_NL__2PRFIN20090625_154948_000000282080_00140_38270_5793.N1	25-JUN-2009 15:49:48	Bright	27.500	130	23Bet Dra	2.7990	5800.0	55	38270	No
11	GOM_NL__2PRFIN20090625_155920_000000322080_00140_38270_5794.N1	25-JUN-2009 15:59:20	Twilight	31.500	89	5Alp Cep	2.4510	8000.0	63	38270	No
12	GOM_NL__2PRFIN20090625_160626_000000282080_00140_38270_5795.N1	25-JUN-2009 16:06:26	Twilight	28.000	74	11Bet Cas	2.2680	6600.0	56	38270	No
13	GOM_NL__2PRFIN20090625_160802_000000272080_00140_38270_5796.N1	25-JUN-2009 16:08:02	Twilight	27.000	68	18Alp Cas	2.2250	4500.0	54	38270	No
14	GOM_NL__2PRFIN20090625_161029_000000222080_00140_38270_5797.N1	25-JUN-2009 16:10:29	Twilight	21.500	160	23Gam Per	2.9300	4700.0	43	38270	No
15	GOM_NL__2PRFIN20090625_161354_000000242080_00140_38270_5798.N1	25-JUN-2009 16:13:54	Twilight	24.000	73	57Gam1And	2.2600	13100.	48	38270	No
16	GOM_NL__2PRFIN20090625_161622_000000242080_00140_38270_5799.N1	25-JUN-2009 16:16:22	Twilight	24.000	173	4Bet Tri	3.0040	8900.0	48	38270	No
17	GOM_NL__2PRFIN20090625_162020_000000252080_00140_38270_5800.N1	25-JUN-2009 16:20:20	Dark	25.000	50	13Alp Ari	2.0070	4250.0	50	38270	No
18	GOM_NL__2PRFIN20090625_164343_000000332080_00141_38271_5822.N1	25-JUN-2009 16:43:43	Dark	32.500	84	Alp Phe	2.3970	4500.0	65	38271	No
19	GOM_NL__2PRFIN20090625_165012_000000352080_00141_38271_5823.N1	25-JUN-2009 16:50:12	Straylight	35.000	63	Bet Gru	2.1500	2800.0	70	38271	No
20	GOM_NL__2PRFIN20090625_165213_000000352080_00141_38271_5824.N1	25-JUN-2009 16:52:13	Straylight	34.500	31	Alp Gru	1.7340	15200.	69	38271	No
21	GOM_NL__2PRFIN20090625_165509_000000262080_00141_38271_5825.N1	25-JUN-2009 16:55:09	Straylight	25.500	45	Alp Pav	1.9400	26000.	51	38271	No
22	GOM_NL__2PRFIN20090625_170413_000000272080_00141_38271_5826.N1	25-JUN-2009 17:04:13	Twilight	27.000	38	20Eps Sgr	1.8360	11000.	54	38271	No
23	GOM_NL__2PRFIN20090625_170537_000000272080_00141_38271_5827.N1	25-JUN-2009 17:05:37	Twilight	26.500	116	19Del Sgr	2.7000	4100.0	53	38271	No
24	GOM_NL__2PRFIN20090625_170745_000000322080_00141_38271_5828.N1	25-JUN-2009 17:07:45	Twilight	32.000	155	41Pi Sgr	2.9000	6600.0	64	38271	No
25	GOM_NL__2PRFIN20090625_171626_000000272080_00141_38271_5829.N1	25-JUN-2009 17:16:26	Twilight	27.000	126	60Bet Oph	2.7700	4250.0	54	38271	No
26	GOM_NL__2PRFIN20090625_171848_000000282080_00141_38271_5830.N1	25-JUN-2009 17:18:48	Bright	27.500	59	55Alp Oph	2.0800	8900.0	55	38271	No
27	GOM_NL__2PRFIN20090625_172813_000000332080_00141_38271_5831.N1	25-JUN-2009 17:28:13	Bright	32.500	5	3Alp Lyr	0.033000	11000.	65	38271	No
28	GOM_NL__2PRFIN20090625_173024_000000282080_00141_38271_5832.N1	25-JUN-2009 17:30:24	Bright	27.500	130	23Bet Dra	2.7990	5800.0	55	38271	No
29	GOM_NL__2PRFIN20090625_173955_000000322080_00141_38271_5833.N1	25-JUN-2009 17:39:55	Twilight	31.500	89	5Alp Cep	2.4510	8000.0	63	38271	No
30	GOM_NL__2PRFIN20090625_174702_000000282080_00141_38271_5834.N1	25-JUN-2009 17:47:02	Twilight	28.000	74	11Bet Cas	2.2680	6600.0	56	38271	No
31	GOM_NL__2PRFIN20090625_174837_000000272080_00141_38271_5835.N1	25-JUN-2009 17:48:37	Twilight	27.000	68	18Alp Cas	2.2250	4500.0	54	38271	No
32	GOM_NL__2PRFIN20090625_175105_000000222080_00141_38271_5836.N1	25-JUN-2009 17:51:05	Twilight	21.500	160	23Gam Per	2.9300	4700.0	43	38271	No
33	GOM_NL__2PRFIN20090625_175430_000000242080_00141_38271_5837.N1	25-JUN-2009 17:54:30	Twilight	23.500	73	57Gam1And	2.2600	13100.	47	38271	No
34	GOM_NL__2PRFIN20090625_175659_000000242080_00141_38271_5838.N1	25-JUN-2009 17:56:59	Twilight	24.000	173	4Bet Tri	3.0040	8900.0	48	38271	No
35	GOM_NL__2PRFIN20090625_180056_000000252080_00141_38271_5839.N1	25-JUN-2009 18:00:56	Dark	25.000	50	13Alp Ari	2.0070	4250.0	50	38271	No
36	GOM_NL__2PRFIN20090625_182420_000000332080_00142_38272_5838.N1	25-JUN-2009 18:24:20	Dark	32.500	84	Alp Phe	2.3970	4500.0	65	38272	No
37	GOM_NL__2PRFIN20090625_183049_000000352080_00142_38272_5839.N1	25-JUN-2009 18:30:49	Straylight	35.000	63	Bet Gru	2.1500	2800.0	70	38272	No
38	GOM_NL__2PRFIN20090625_183250_000000342080_00142_38272_5840.N1	25-JUN-2009 18:32:50	Straylight	34.000	31	Alp Gru	1.7340	15200.	68	38272	No
39	GOM_NL__2PRFIN20090625_184450_000000272080_00142_38272_5841.N1	25-JUN-2009 18:44:50	Twilight	26.500	38	20Eps Sgr	1.8360	11000.	53	38272	No
40	GOM_NL__2PRFIN20090625_184613_000000272080_00142_38272_5842.N1	25-JUN-2009 18:46:13	Twilight	27.000	116	19Del Sgr	2.7000	4100.0	54	38272	No
41	GOM_NL__2PRFIN20090625_184822_000000322080_00142_38272_5843.N1	25-JUN-2009 18:48:22	Twilight	32.000	155	41Pi Sgr	2.9000	6600.0	64	38272	No
42	GOM_NL__2PRFIN20090625_185702_000000272080_00142_38272_5844.N1	25-JUN-2009 18:57:02	Twilight	27.000	126	60Bet Oph	2.7700	4250.0	54	38272	No

43	GOM_NL__2PRFIN20090625_185924_000000282080_00142_38272_5845.N1	25-JUN-2009 18:59:24	Bright	27.500	59	55Alp Oph	2.0800	8900.0	55	38272	No
44	GOM_NL__2PRFIN20090625_190849_000000332080_00142_38272_5846.N1	25-JUN-2009 19:08:49	Bright	33.000	5	3Alp Lyr	0.033000	11000.	66	38272	No
45	GOM_NL__2PRFIN20090625_191100_000000282080_00142_38272_5847.N1	25-JUN-2009 19:11:00	Bright	27.500	130	23Bet Dra	2.7990	5800.0	55	38272	No
46	GOM_NL__2PRFIN20090625_192030_000000322080_00142_38272_5848.N1	25-JUN-2009 19:20:30	Twilight	31.500	89	5Alp Cep	2.4510	8000.0	63	38272	No
47	GOM_NL__2PRFIN20090625_192738_000000282080_00142_38272_5849.N1	25-JUN-2009 19:27:38	Twilight	28.000	74	11Bet Cas	2.2680	6600.0	56	38272	No
48	GOM_NL__2PRFIN20090625_192913_000000272080_00142_38272_5850.N1	25-JUN-2009 19:29:13	Twilight	27.000	68	18Alp Cas	2.2250	4500.0	54	38272	No
49	GOM_NL__2PRFIN20090625_193141_000000222080_00142_38272_5851.N1	25-JUN-2009 19:31:41	Twilight	21.500	160	23Gam Per	2.9300	4700.0	43	38272	No
50	GOM_NL__2PRFIN20090625_193506_000000242080_00142_38272_5852.N1	25-JUN-2009 19:35:06	Twilight	23.500	73	57Gam1And	2.2600	13100.	47	38272	No
51	GOM_NL__2PRFIN20090625_193735_000000242080_00142_38272_5853.N1	25-JUN-2009 19:37:35	Twilight	23.500	173	4Bet Tri	3.0040	8900.0	47	38272	No
52	GOM_NL__2PRFIN20090625_194132_000000262080_00142_38272_5854.N1	25-JUN-2009 19:41:32	Dark	25.500	50	13Alp Ari	2.0070	4250.0	51	38272	No
53	GOM_NL__2PRFIN20090625_200457_000000332080_00143_38273_5856.N1	25-JUN-2009 20:04:57	Dark	32.500	84	Alp Phe	2.3970	4500.0	65	38273	No
54	GOM_NL__2PRFIN20090625_201126_000000352080_00143_38273_5857.N1	25-JUN-2009 20:11:26	Straylight	35.000	63	Bet Gru	2.1500	2800.0	70	38273	No
55	GOM_NL__2PRFIN20090625_201327_000000342080_00143_38273_5858.N1	25-JUN-2009 20:13:27	Straylight	34.000	31	Alp Gru	1.7340	15200.	68	38273	No
56	GOM_NL__2PRFIN20090625_202525_000000272080_00143_38273_5859.N1	25-JUN-2009 20:25:25	Twilight	27.000	38	20Eps Sgr	1.8360	11000.	54	38273	No
57	GOM_NL__2PRFIN20090625_202649_000000272080_00143_38273_5860.N1	25-JUN-2009 20:26:49	Twilight	27.000	116	19Del Sgr	2.7000	4100.0	54	38273	No
58	GOM_NL__2PRFIN20090625_202858_000000322080_00143_38273_5861.N1	25-JUN-2009 20:28:58	Twilight	31.500	155	41Pi Sgr	2.9000	6600.0	63	38273	No
59	GOM_NL__2PRFIN20090625_203738_000000282080_00143_38273_5862.N1	25-JUN-2009 20:37:38	Bright	27.500	126	60Bet Oph	2.7700	4250.0	55	38273	No
60	GOM_NL__2PRFIN20090625_204000_000000282080_00143_38273_5863.N1	25-JUN-2009 20:40:00	Bright	27.500	59	55Alp Oph	2.0800	8900.0	55	38273	No
61	GOM_NL__2PRFIN20090625_204924_000000332080_00143_38273_5864.N1	25-JUN-2009 20:49:24	Bright	32.500	5	3Alp Lyr	0.033000	11000.	65	38273	No
62	GOM_NL__2PRFIN20090625_205135_000000272080_00143_38273_5865.N1	25-JUN-2009 20:51:35	Bright	27.000	130	23Bet Dra	2.7990	5800.0	54	38273	No
63	GOM_NL__2PRFIN20090625_210106_000000312080_00143_38273_5866.N1	25-JUN-2009 21:01:06	Twilight	31.000	89	5Alp Cep	2.4510	8000.0	62	38273	No
64	GOM_NL__2PRFIN20090625_210813_000000292080_00143_38273_5867.N1	25-JUN-2009 21:08:13	Twilight	28.500	74	11Bet Cas	2.2680	6600.0	57	38273	No
65	GOM_NL__2PRFIN20090625_210949_000000272080_00143_38273_5868.N1	25-JUN-2009 21:09:49	Twilight	27.000	68	18Alp Cas	2.2250	4500.0	54	38273	No
66	GOM_NL__2PRFIN20090625_211216_000000222080_00143_38273_5869.N1	25-JUN-2009 21:12:16	Twilight	21.500	160	23Gam Per	2.9300	4700.0	43	38273	No
67	GOM_NL__2PRFIN20090625_211542_000000242080_00143_38273_5870.N1	25-JUN-2009 21:15:42	Twilight	23.500	73	57Gam1And	2.2600	13100.	47	38273	No
68	GOM_NL__2PRFIN20090625_211811_000000242080_00143_38273_5871.N1	25-JUN-2009 21:18:11	Twilight	23.500	173	4Bet Tri	3.0040	8900.0	47	38273	No
69	GOM_NL__2PRFIN20090625_212209_000000242080_00143_38273_5872.N1	25-JUN-2009 21:22:09	Dark	24.000	50	13Alp Ari	2.0070	4250.0	48	38273	No
70	GOM_NL__2PRFIN20090625_214534_000000332080_00144_38274_5872.N1	25-JUN-2009 21:45:34	Dark	32.500	84	Alp Phe	2.3970	4500.0	65	38274	No
71	GOM_NL__2PRFIN20090625_215203_000000352080_00144_38274_5873.N1	25-JUN-2009 21:52:03	Straylight	34.500	63	Bet Gru	2.1500	2800.0	69	38274	No
72	GOM_NL__2PRFIN20090625_215404_000000352080_00144_38274_5874.N1	25-JUN-2009 21:54:04	Straylight	34.500	31	Alp Gru	1.7340	15200.	69	38274	No
73	GOM_NL__2PRFIN20090625_220601_000000272080_00144_38274_5875.N1	25-JUN-2009 22:06:01	Twilight	27.000	38	20Eps Sgr	1.8360	11000.	54	38274	No
74	GOM_NL__2PRFIN20090625_220725_000000282080_00144_38274_5876.N1	25-JUN-2009 22:07:25	Twilight	27.500	116	19Del Sgr	2.7000	4100.0	55	38274	No
75	GOM_NL__2PRFIN20090625_220934_000000322080_00144_38274_5877.N1	25-JUN-2009 22:09:34	Twilight	32.000	155	41Pi Sgr	2.9000	6600.0	64	38274	No
76	GOM_NL__2PRFIN20090625_221813_000000272080_00144_38274_5878.N1	25-JUN-2009 22:18:13	Twilight	27.000	126	60Bet Oph	2.7700	4250.0	54	38274	No
77	GOM_NL__2PRFIN20090625_222036_000000272080_00144_38274_5879.N1	25-JUN-2009 22:20:36	Bright	27.000	59	55Alp Oph	2.0800	8900.0	54	38274	No
78	GOM_NL__2PRFIN20090625_222959_000000332080_00144_38274_5880.N1	25-JUN-2009 22:29:59	Bright	33.000	5	3Alp Lyr	0.033000	11000.	66	38274	No
79	GOM_NL__2PRFIN20090625_223211_000000282080_00144_38274_5881.N1	25-JUN-2009 22:32:11	Bright	27.500	130	23Bet Dra	2.7990	5800.0	55	38274	No
80	GOM_NL__2PRFIN20090625_224141_000000312080_00144_38274_5882.N1	25-JUN-2009 22:41:41	Twilight	31.000	89	5Alp Cep	2.4510	8000.0	62	38274	No
81	GOM_NL__2PRFIN20090625_224848_000000282080_00144_38274_5883.N1	25-JUN-2009 22:48:48	Twilight	28.000	74	11Bet Cas	2.2680	6600.0	56	38274	No
82	GOM_NL__2PRFIN20090625_225024_000000282080_00144_38274_5884.N1	25-JUN-2009 22:50:24	Twilight	27.500	68	18Alp Cas	2.2250	4500.0	55	38274	No
83	GOM_NL__2PRFIN20090625_225252_000000222080_00144_38274_5885.N1	25-JUN-2009 22:52:52	Twilight	21.500	160	23Gam Per	2.9300	4700.0	43	38274	No
84	GOM_NL__2PRFIN20090625_225617_000000242080_00144_38274_5886.N1	25-JUN-2009 22:56:17	Twilight	24.000	73	57Gam1And	2.2600	13100.	48	38274	No
85	GOM_NL__2PRFIN20090625_225847_000000242080_00144_38274_5887.N1	25-JUN-2009 22:58:47	Twilight	23.500	173	4Bet Tri	3.0040	8900.0	47	38274	No
86	GOM_NL__2PRFIN20090625_230245_000000252080_00144_38274_5888.N1	25-JUN-2009 23:02:45	Dark	24.500	50	13Alp Ari	2.0070	4250.0	49	38274	No
87	GOM_NL__2PRFIN20090625_232610_000000332080_00145_38275_5886.N1	25-JUN-2009 23:26:10	Dark	32.500	84	Alp Phe	2.3970	4500.0	65	38275	No
88	GOM_NL__2PRFIN20090625_233240_000000352080_00145_38275_5887.N1	25-JUN-2009 23:32:40	Straylight	35.000	63	Bet Gru	2.1500	2800.0	70	38275	No
89	GOM_NL__2PRFIN20090625_233440_000000352080_00145_38275_5888.N1	25-JUN-2009 23:34:40	Straylight	35.000	31	Alp Gru	1.7340	15200.	70	38275	No
90	GOM_NL__2PRFIN20090625_234638_000000272080_00145_38275_5889.N1	25-JUN-2009 23:46:38	Twilight	27.000	38	20Eps Sgr	1.8360	11000.	54	38275	No
91	GOM_NL__2PRFIN20090625_234802_000000272080_00145_38275_5890.N1	25-JUN-2009 23:48:02	Twilight	26.500	116	19Del Sgr	2.7000	4100.0	53	38275	No
92	GOM_NL__2PRFIN20090625_235010_000000322080_00145_38275_5891.N1	25-JUN-2009 23:50:10	Twilight	31.500	155	41Pi Sgr	2.9000	6600.0	63	38275	No
93	GOM_NL__2PRFIN20090625_235849_000000282080_00145_38275_5892.N1	25-JUN-2009 23:58:49	Twilight	27.500	126	60Bet Oph	2.7700	4250.0	55	38275	No

3. Quality information per product

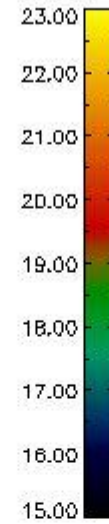
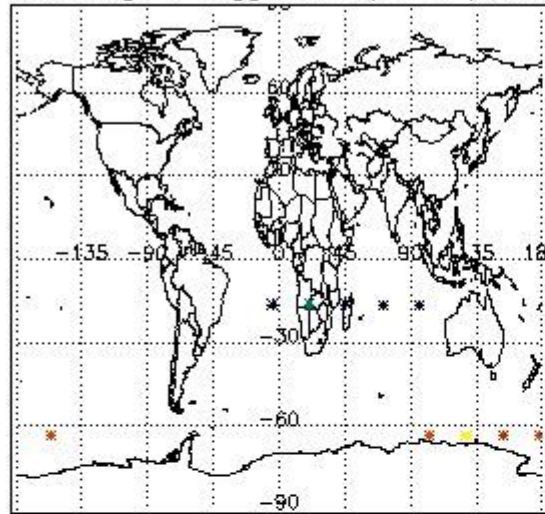
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

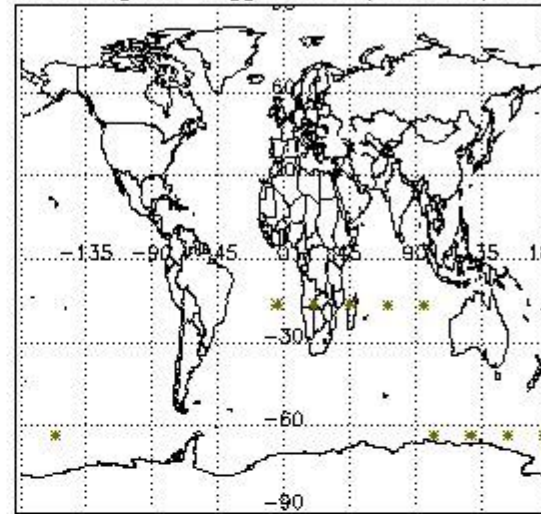


3.2 Plot quality information per product (world map)

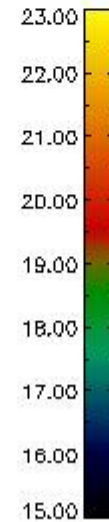
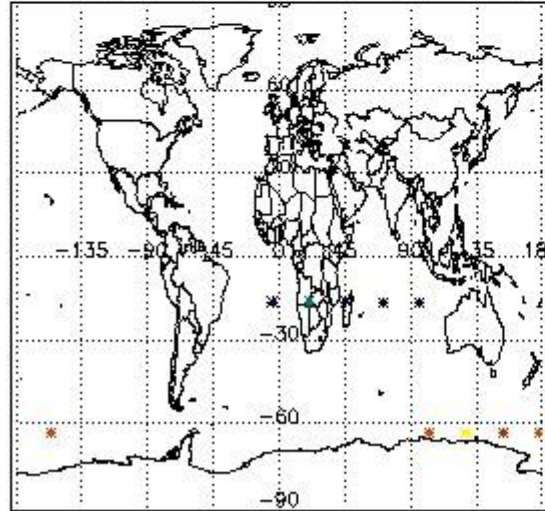
Percentage of flagged data per O3 profile



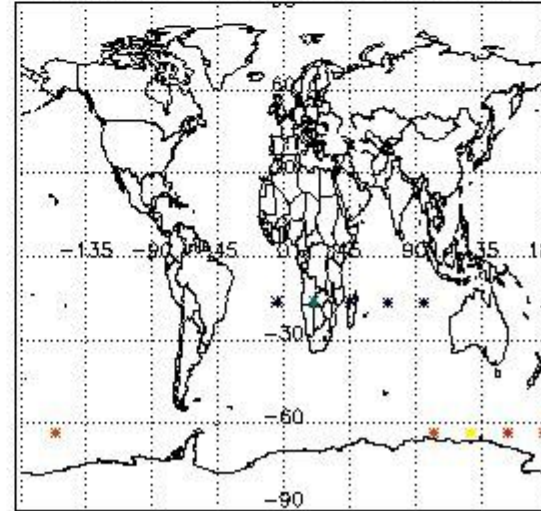
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

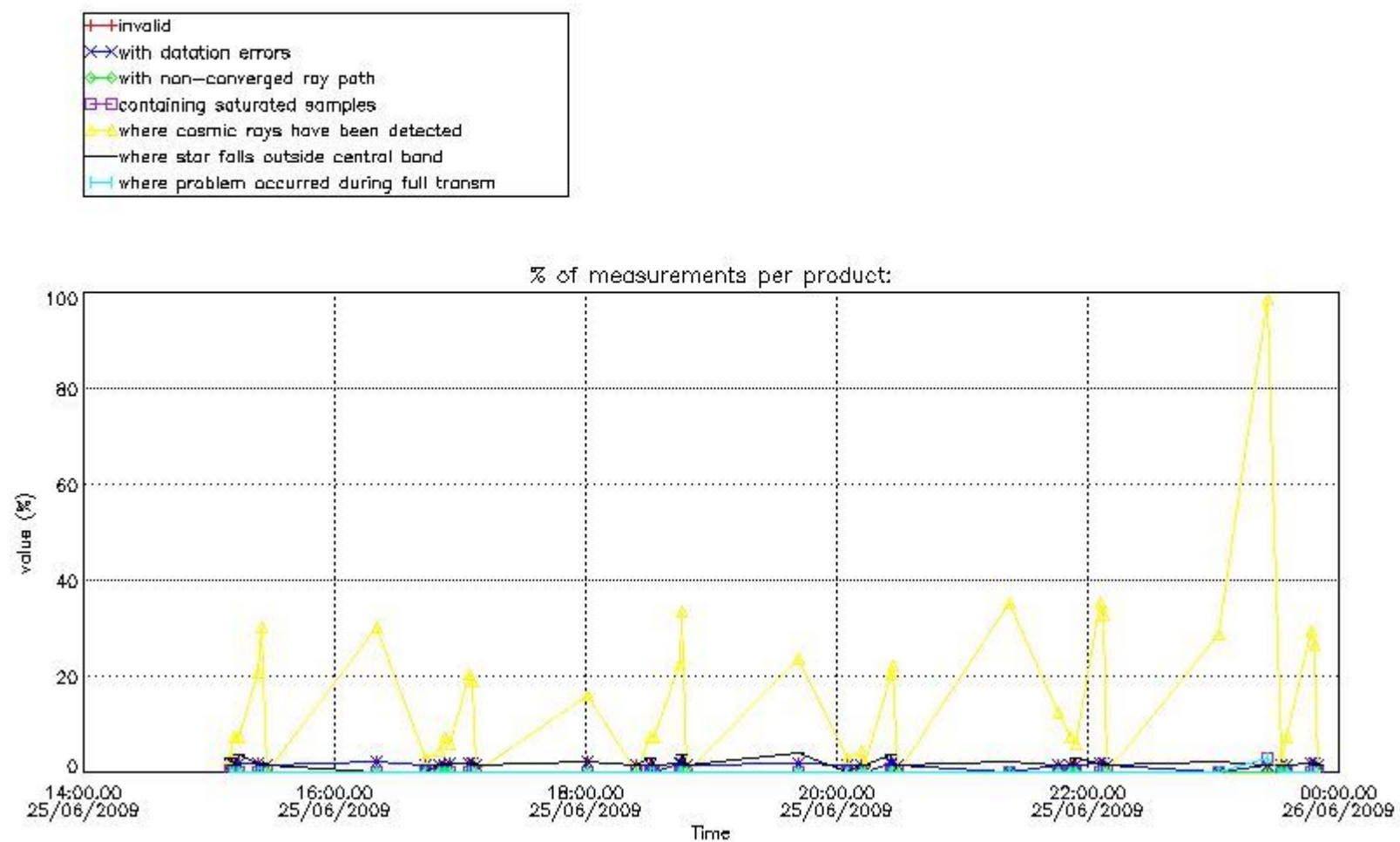


4. Level 1 quality information per product

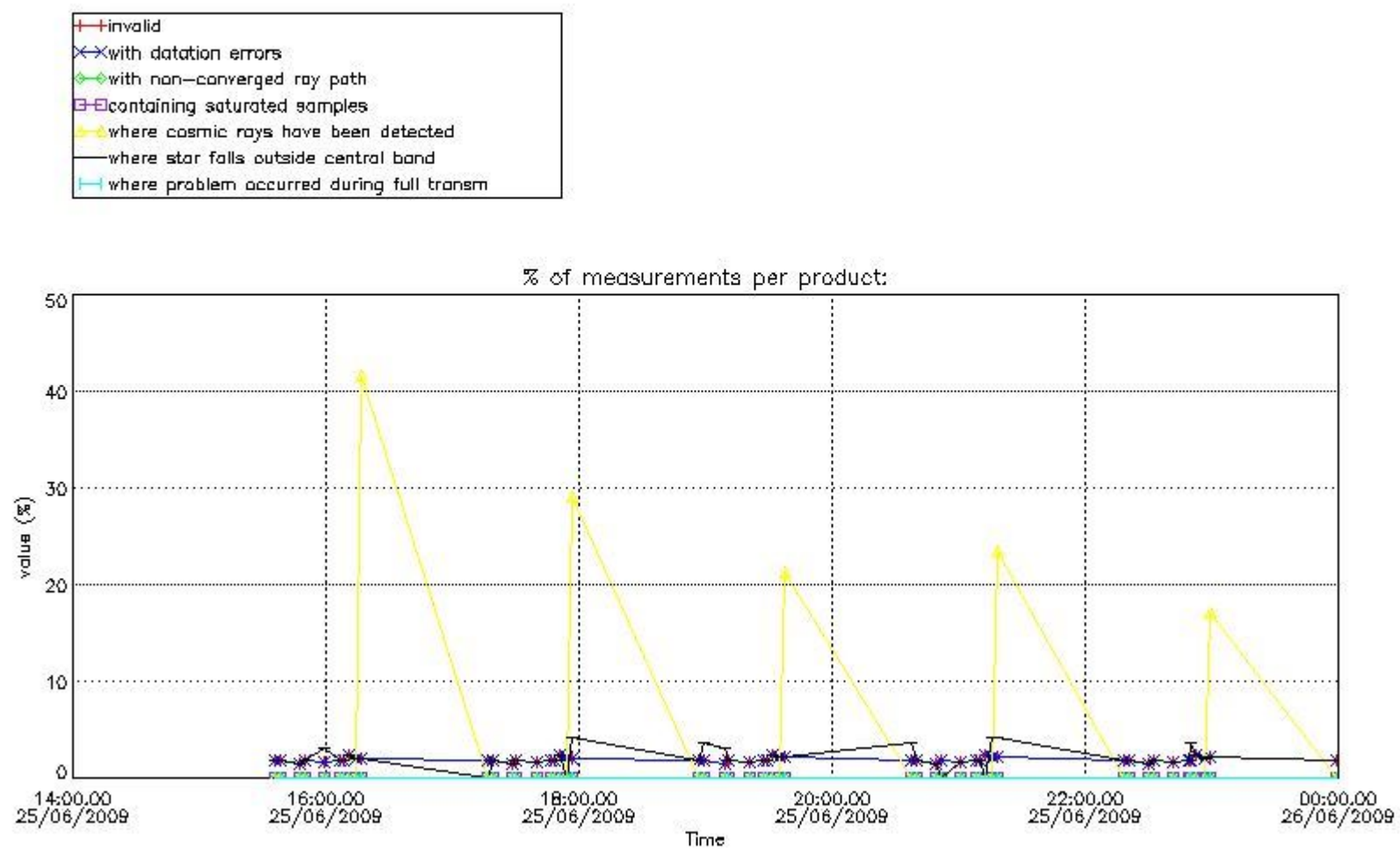
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



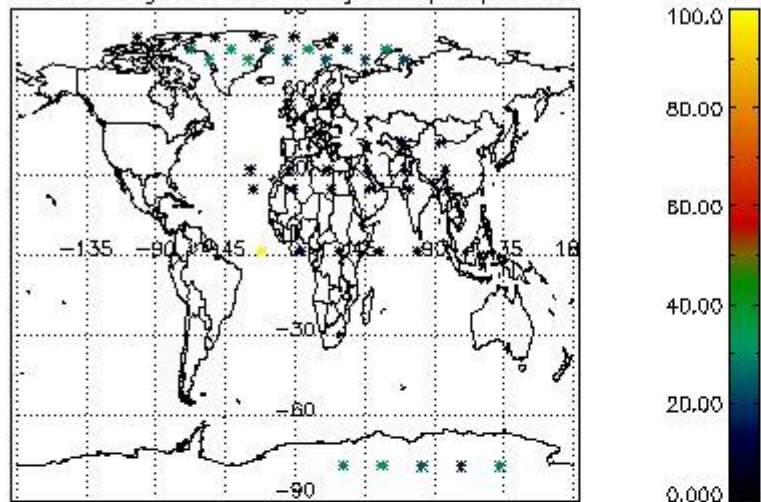
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



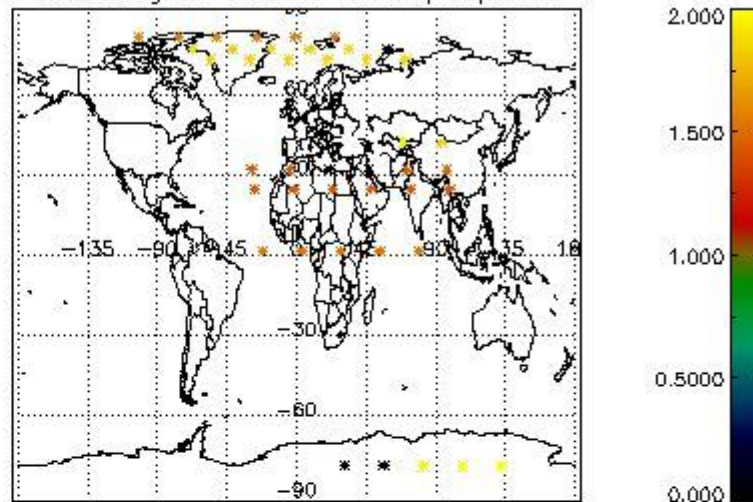
4.2 Plot quality information per product coming from level 1b processing (world map)

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

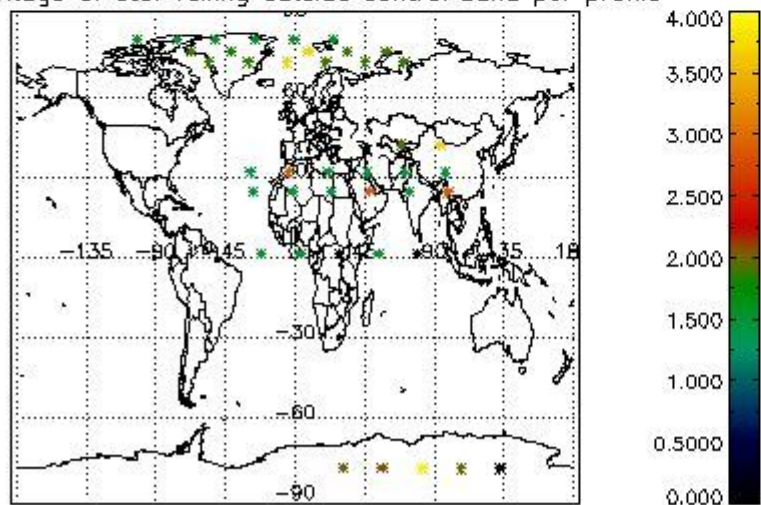
Percentage of cosmic ray hits per profile



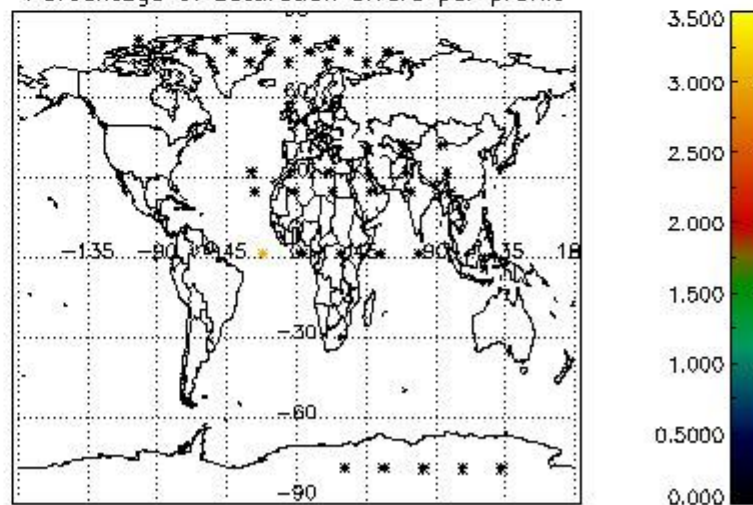
Percentage of datation errors per profile



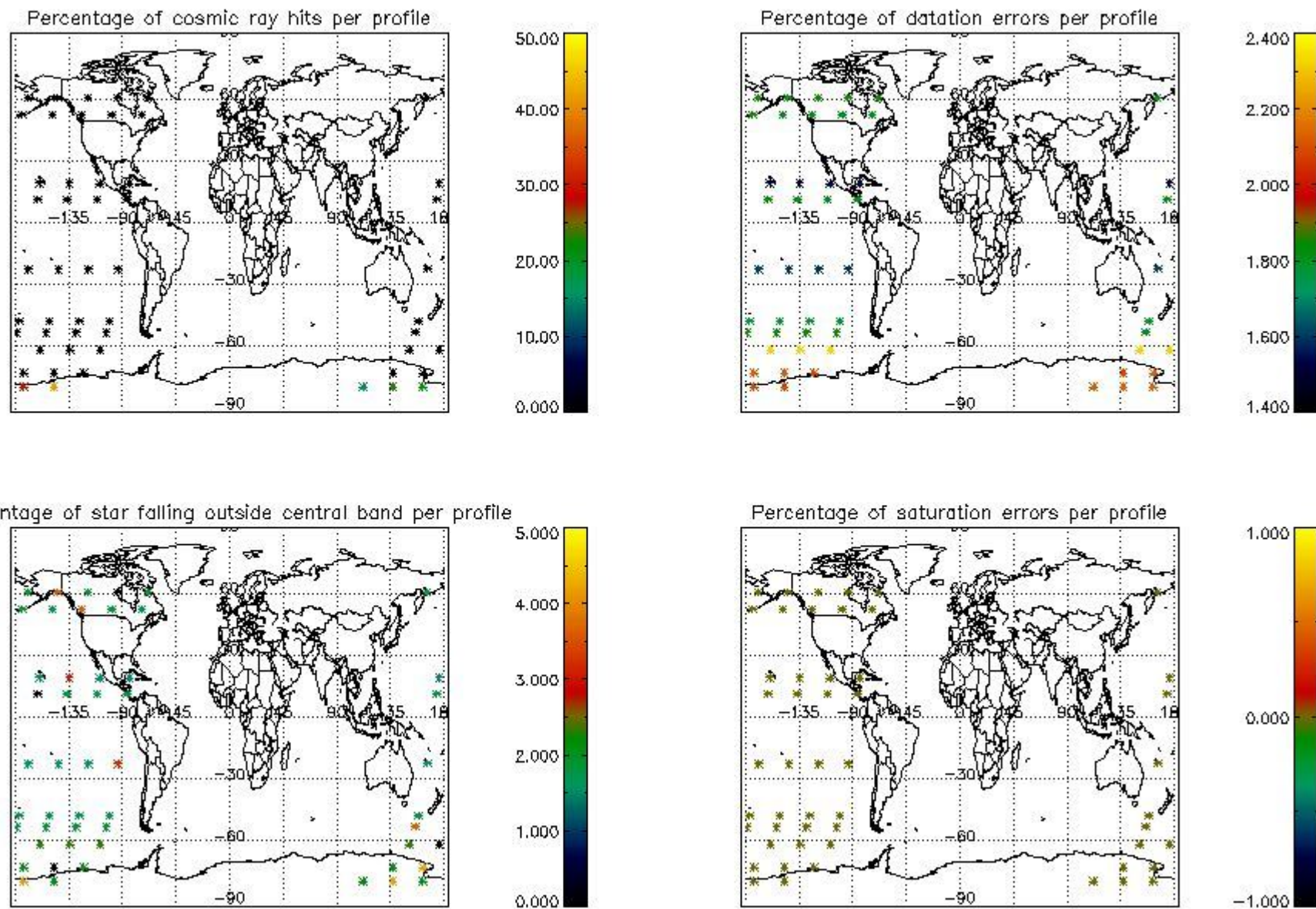
Percentage of star falling outside central band per profile



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

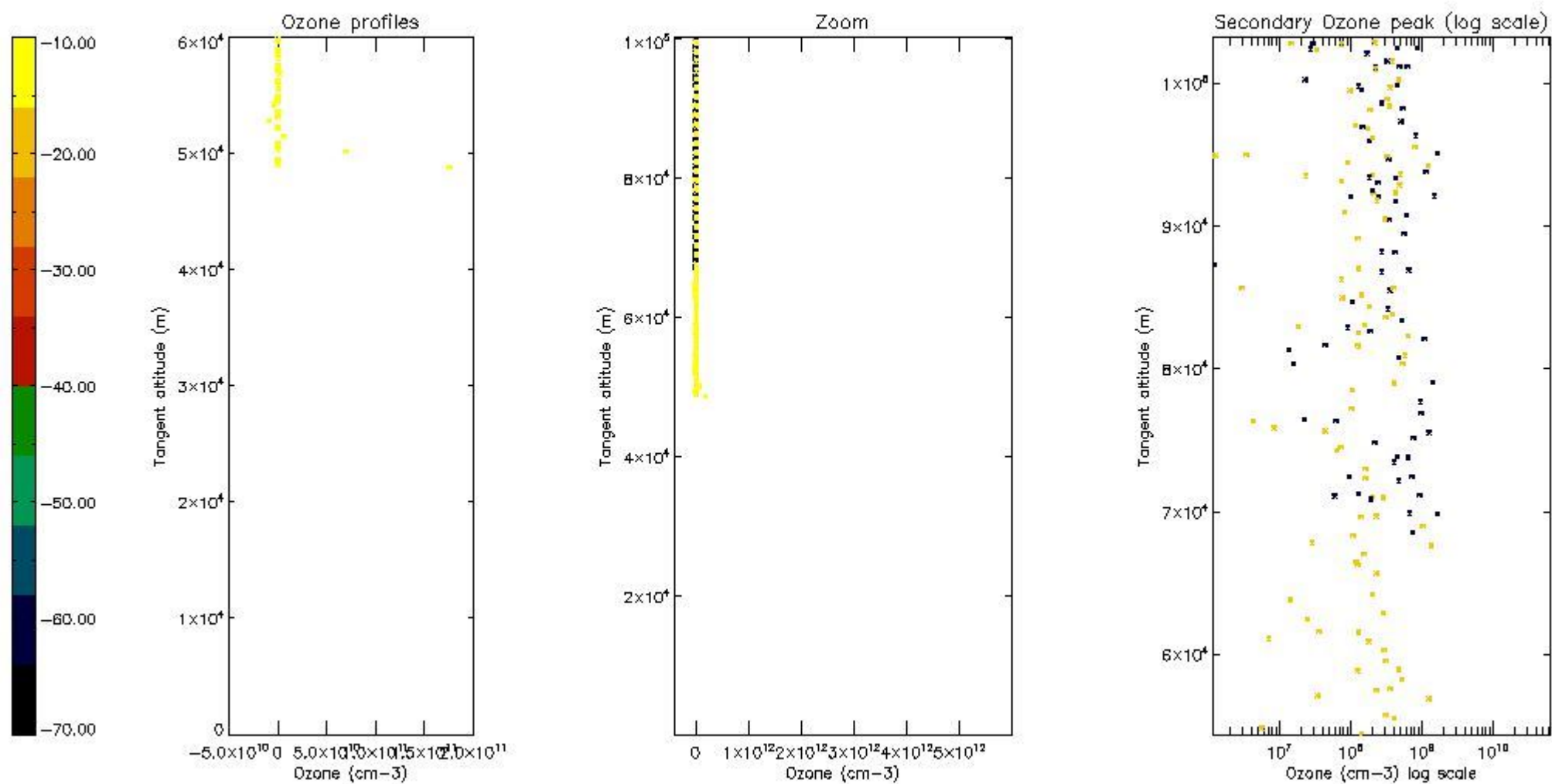
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	11.000
STD < 20	0.0000

STD < 10	0.0000
STD < 5	NaN

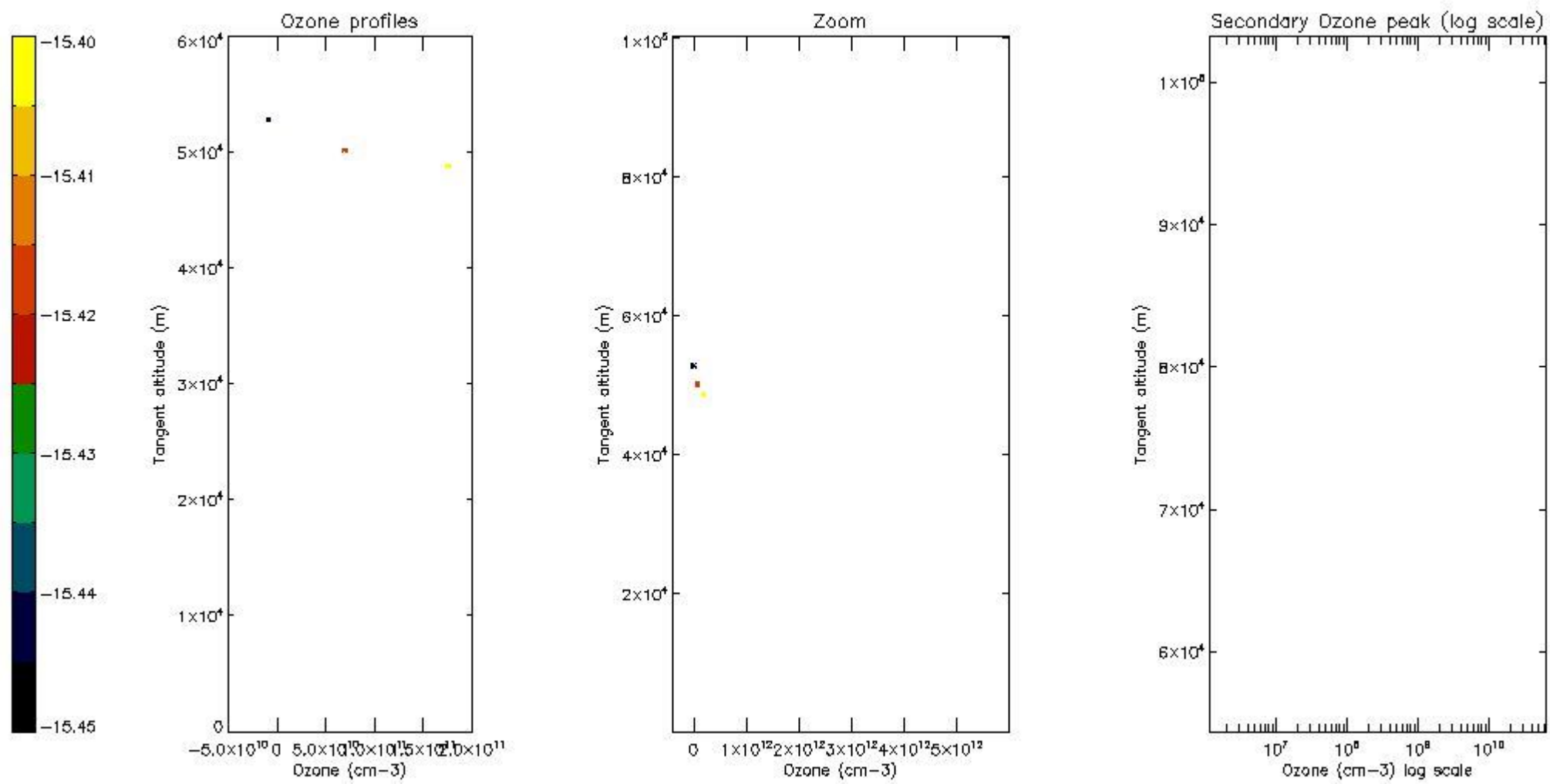
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



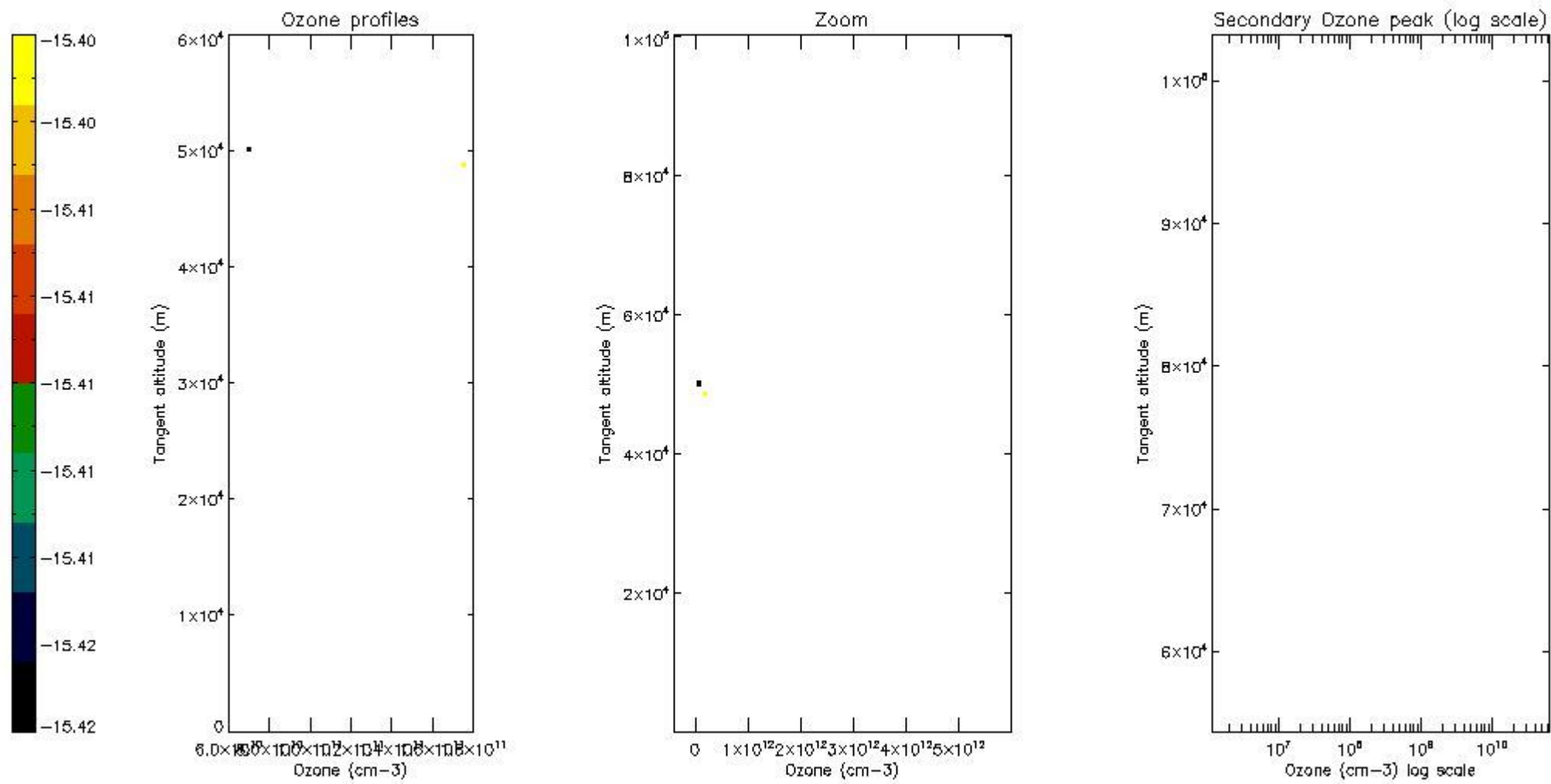
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.

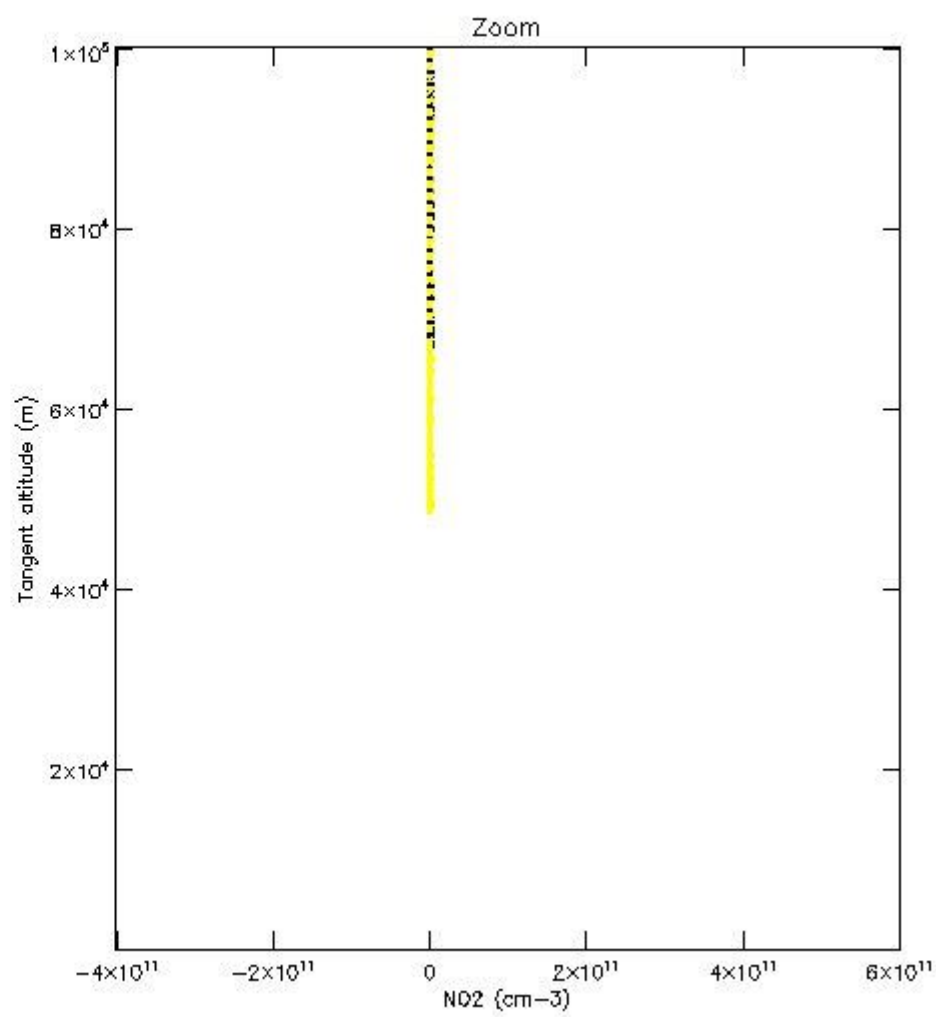
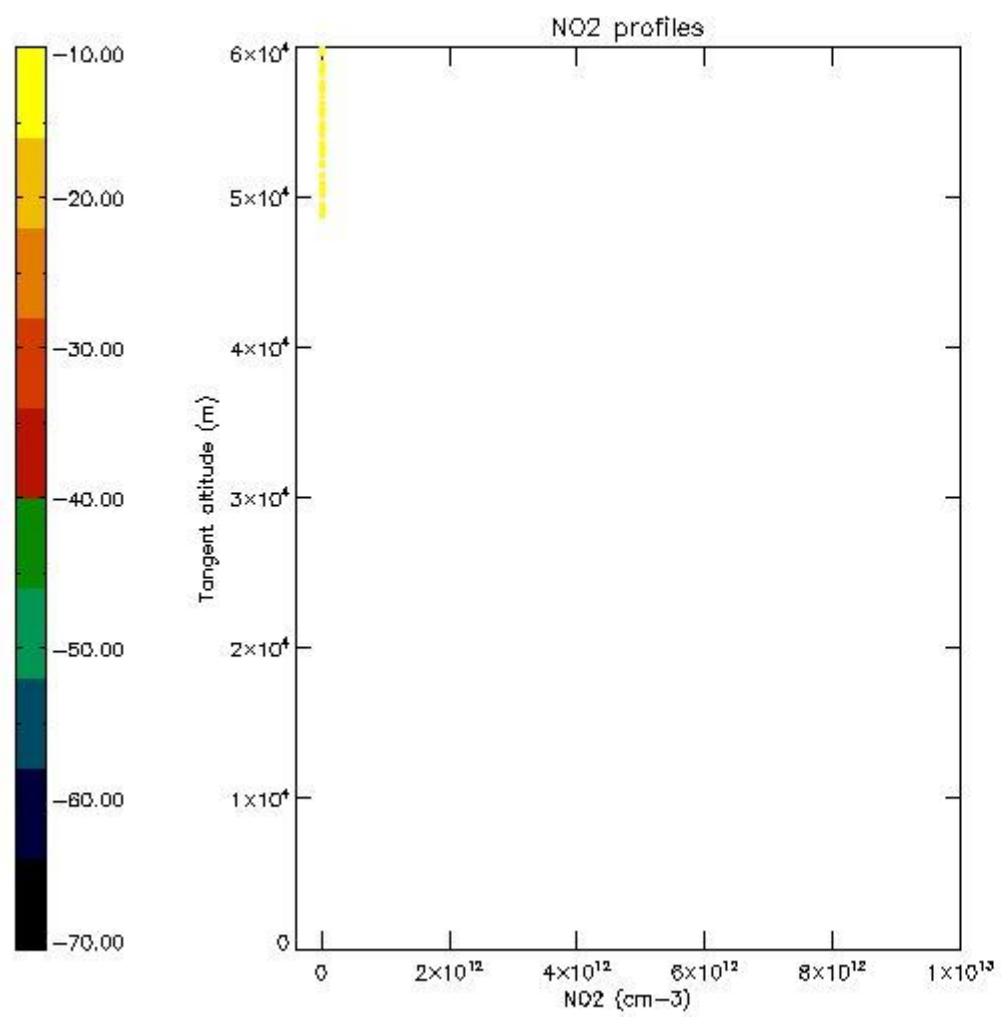


5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.

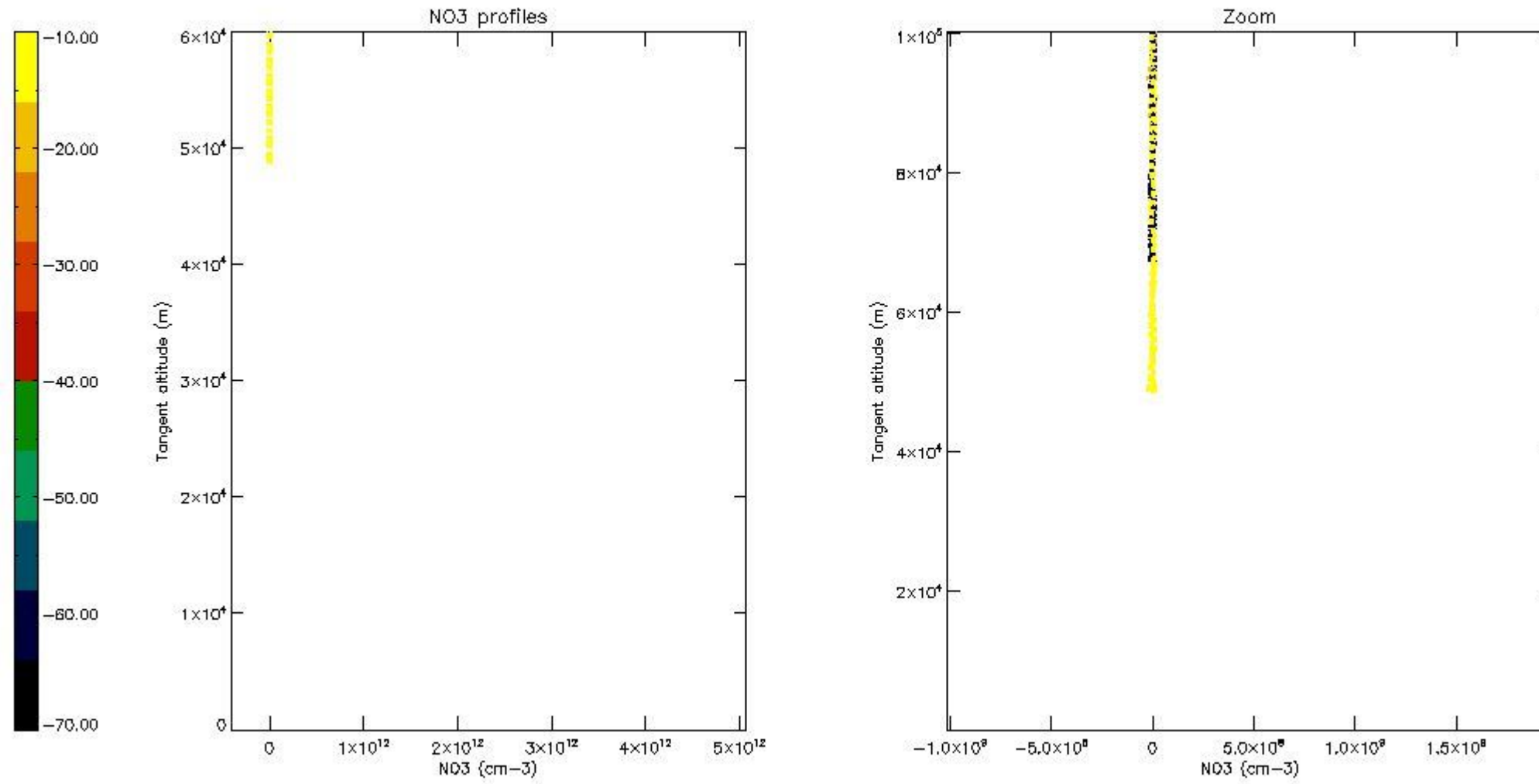
5.6 Plot NO2 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

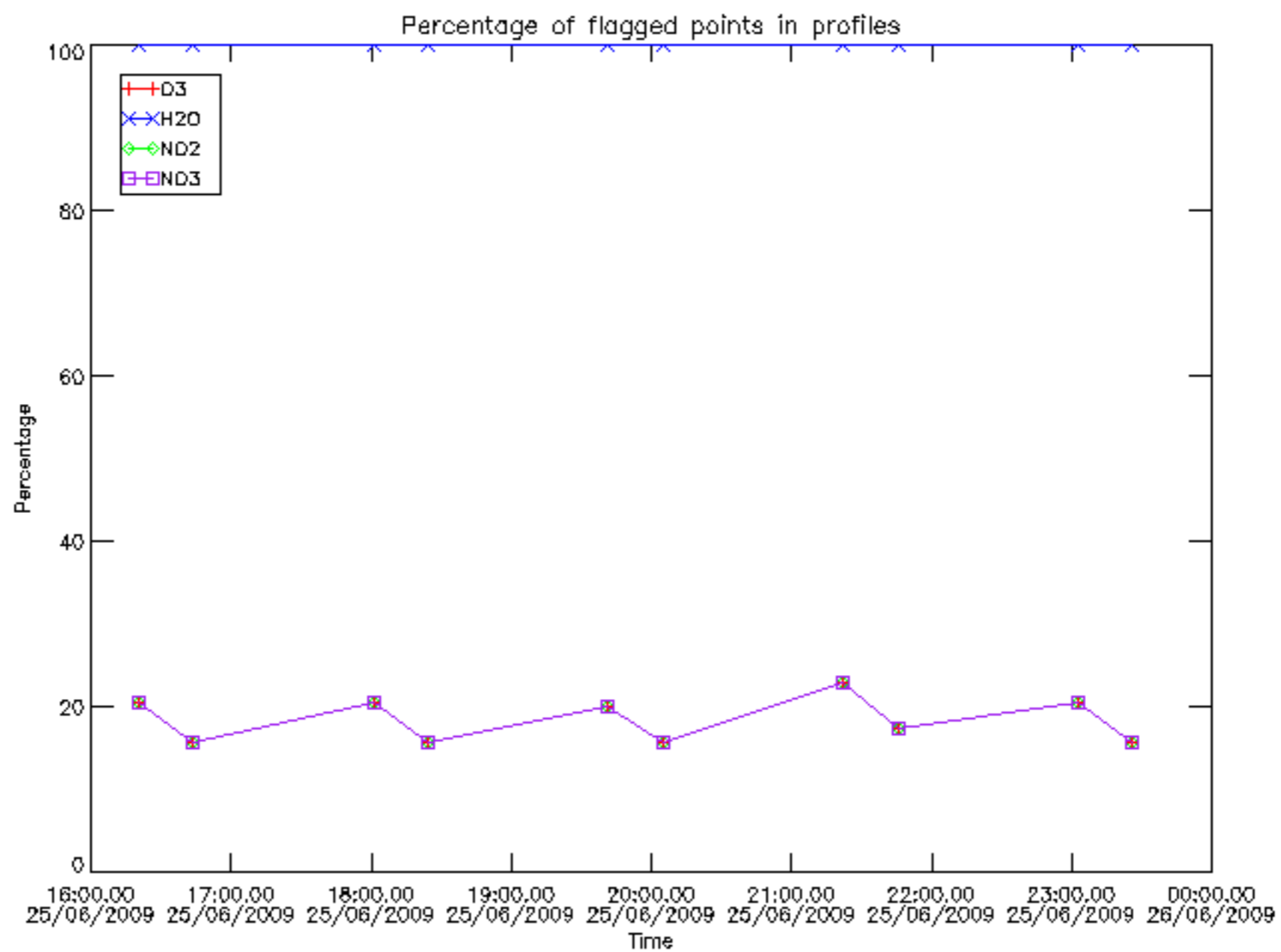
The colorbar represents the latitude.



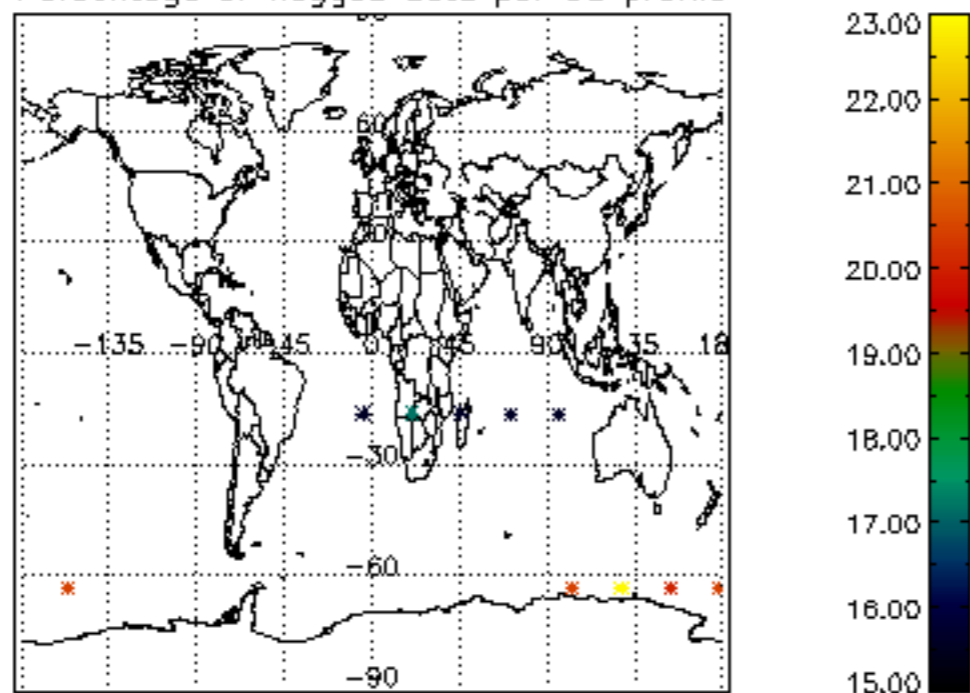
6. Auxiliary Data Files used for the production reported in section 2

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.

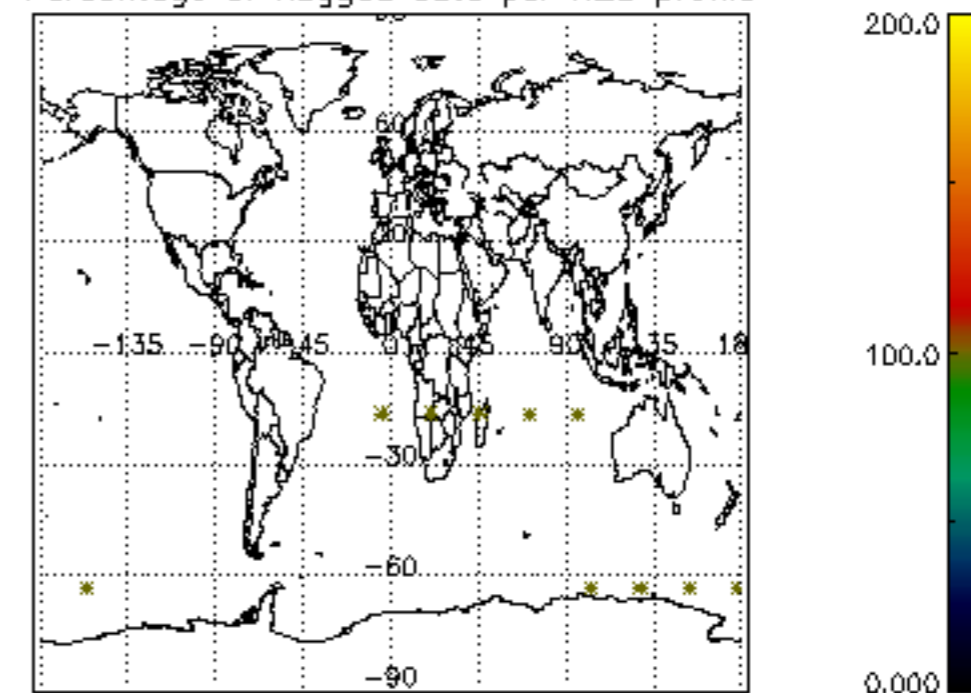
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	25-JUN-2009 15:09:35
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	25-JUN-2009 15:09:35
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	25-JUN-2009 15:09:35



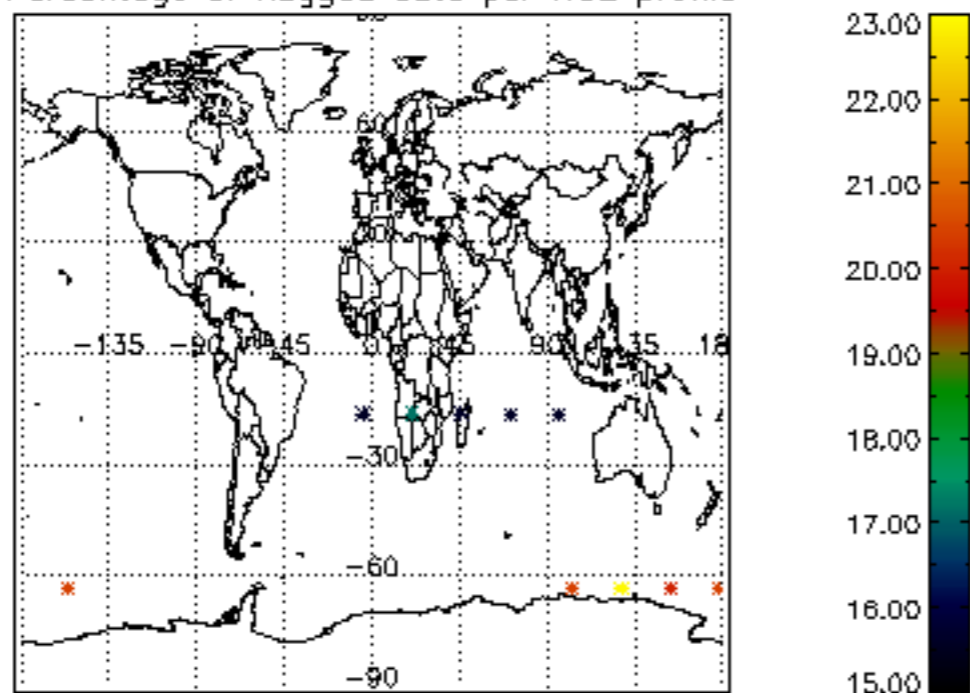
Percentage of flagged data per D3 profile



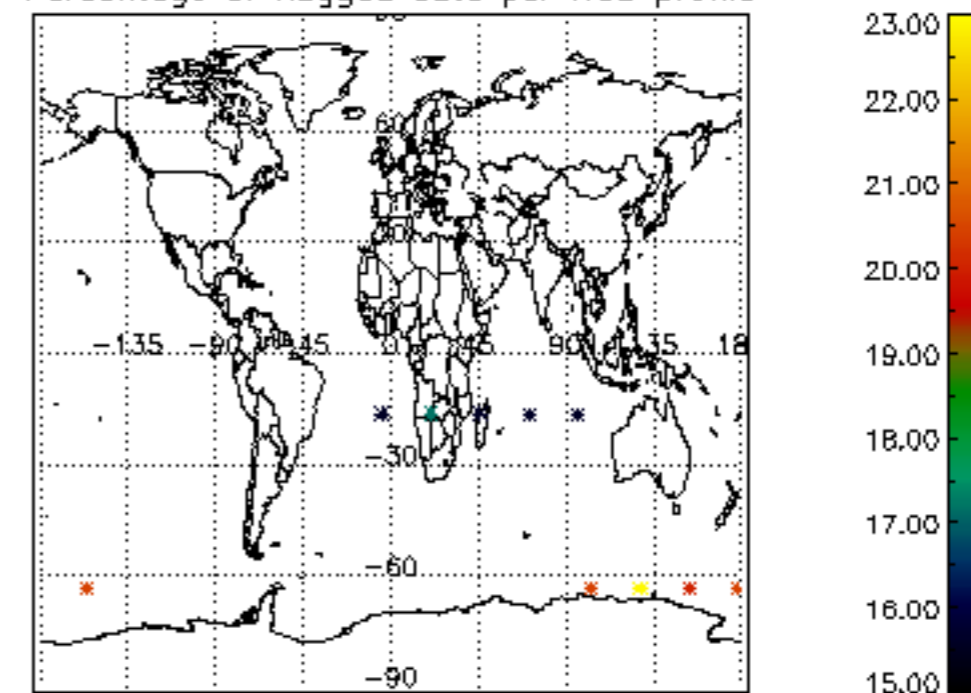
Percentage of flagged data per H2O profile

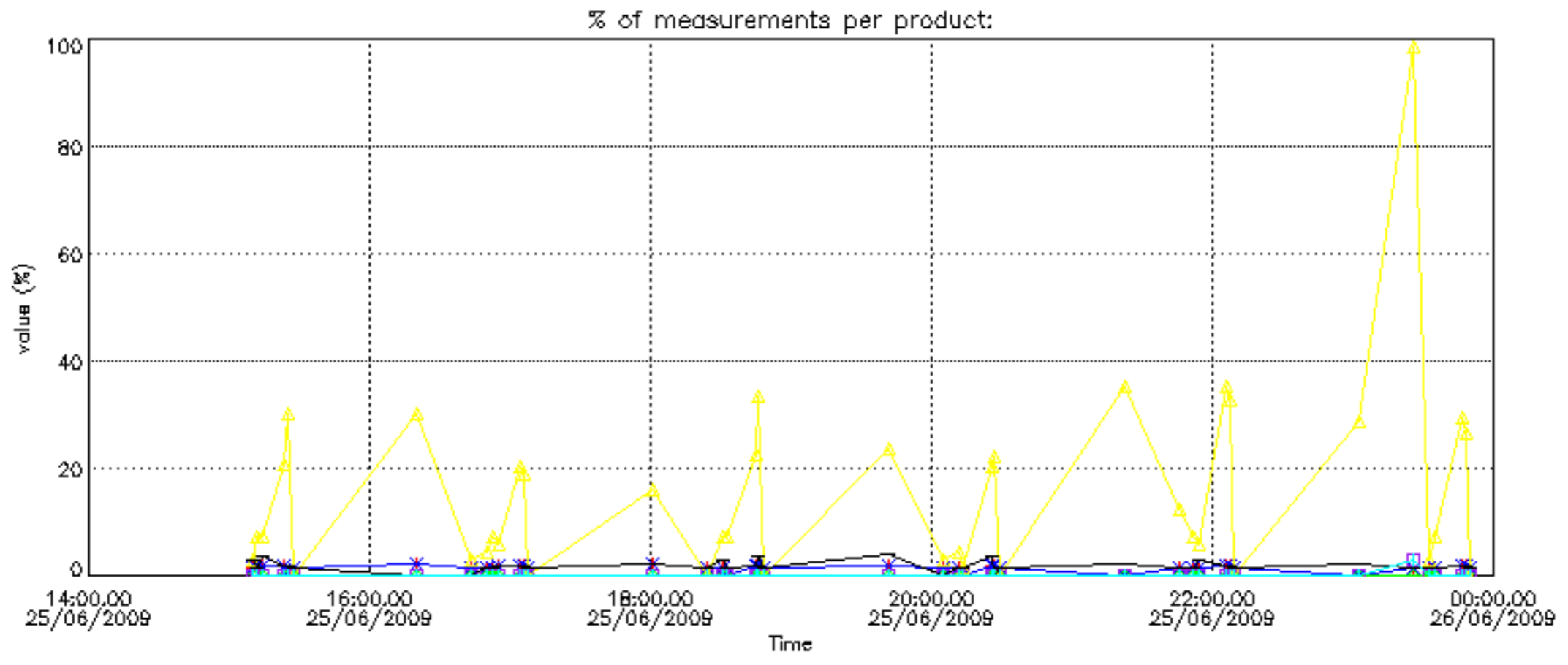


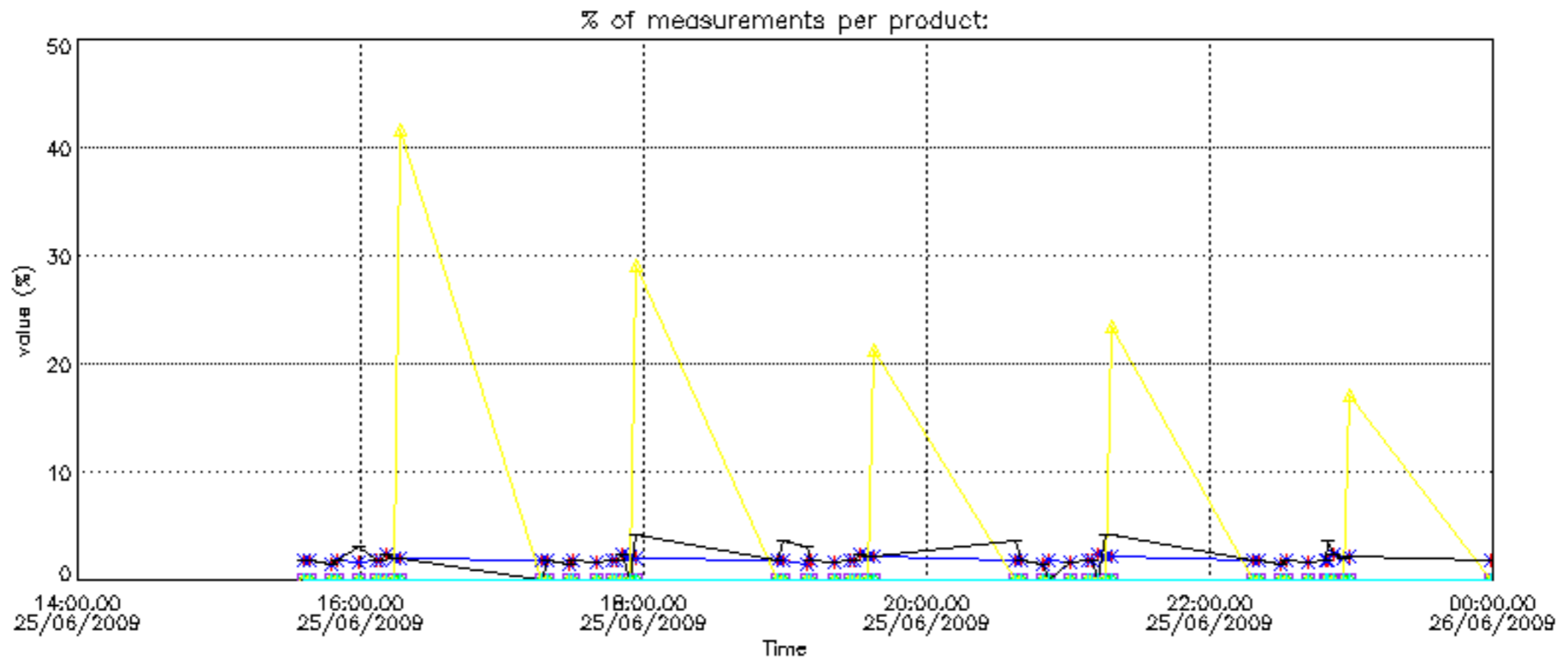
Percentage of flagged data per NO2 profile



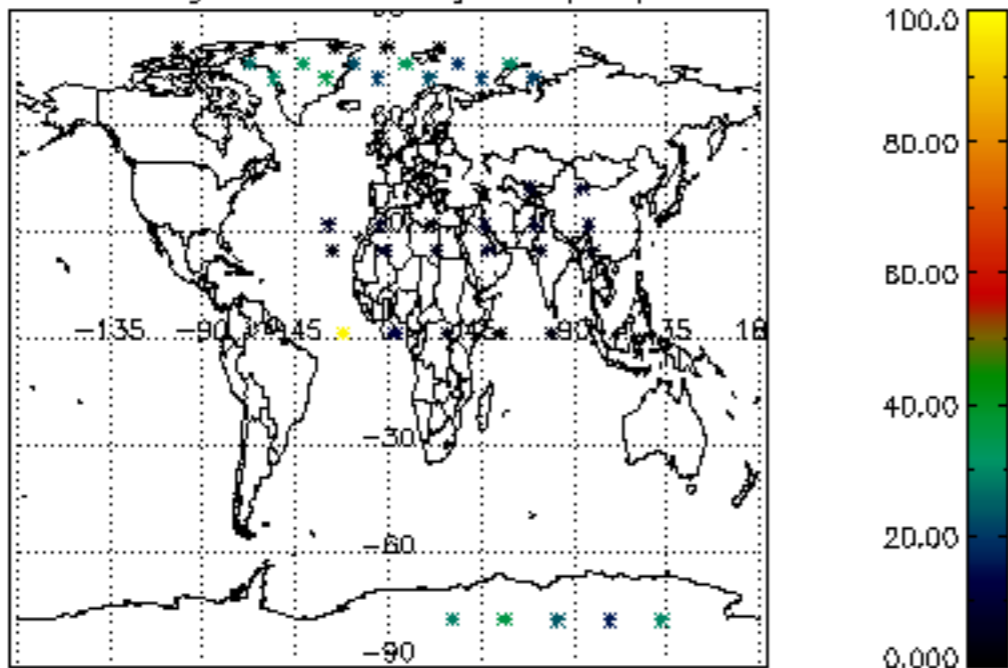
Percentage of flagged data per NO3 profile



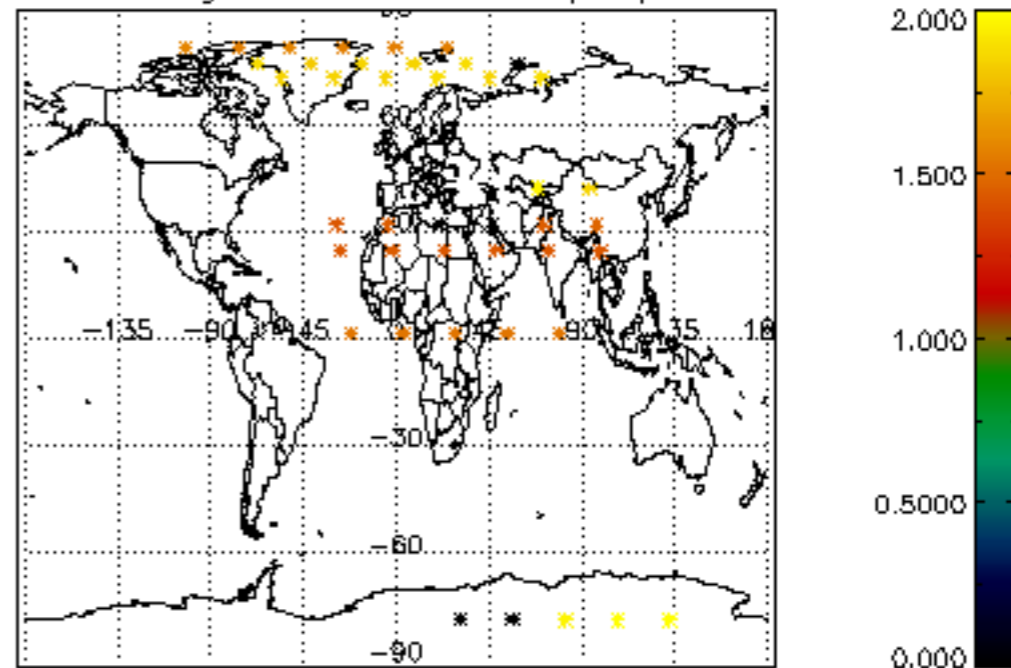




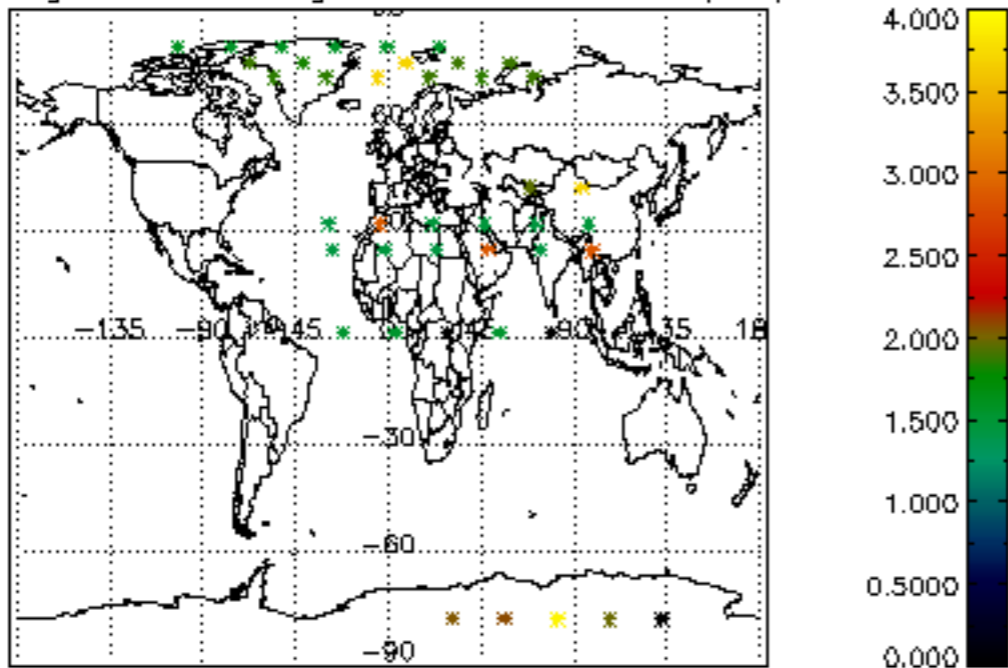
Percentage of cosmic ray hits per profile



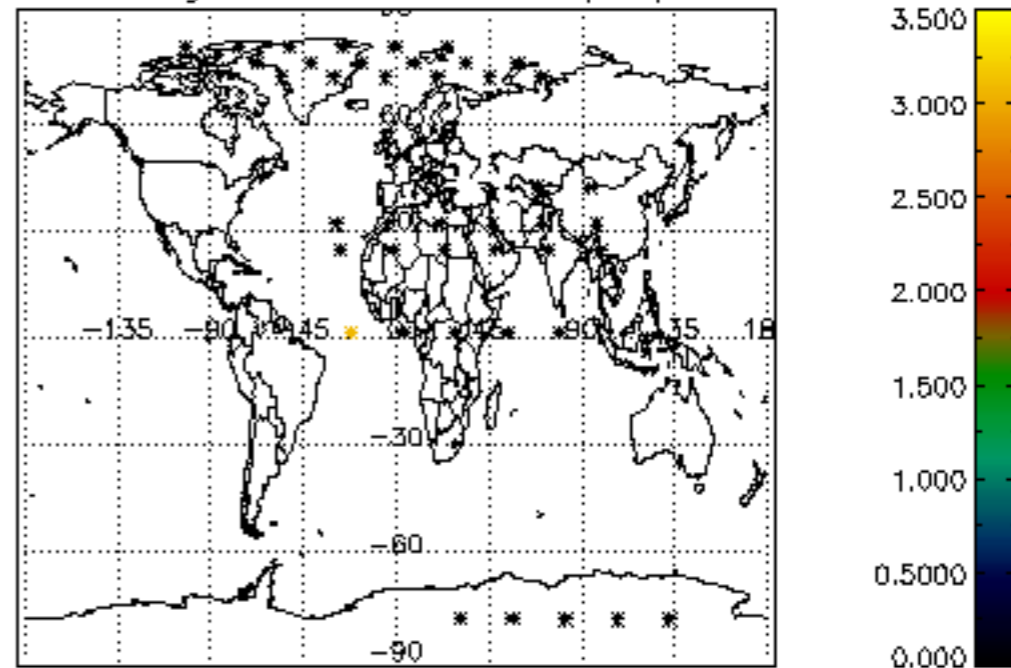
Percentage of datation errors per profile



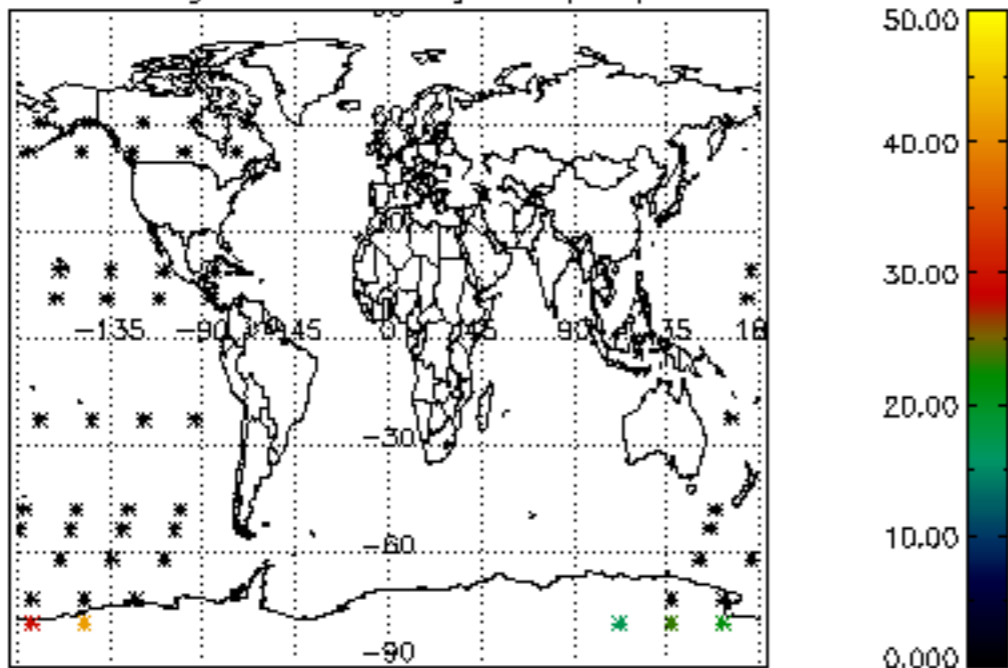
Percentage of star falling outside central band per profile



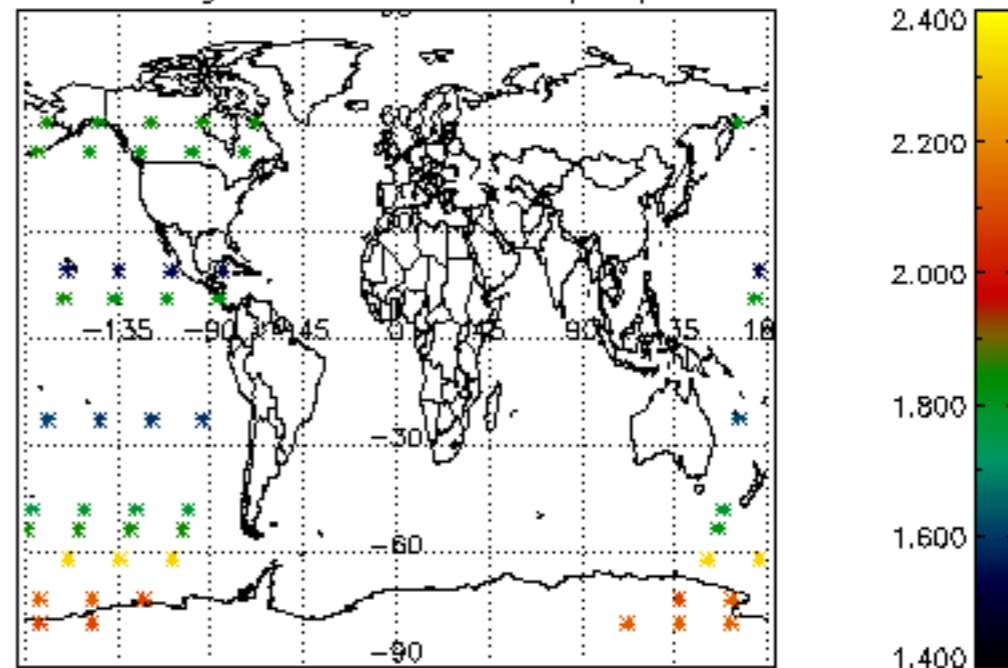
Percentage of saturation errors per profile



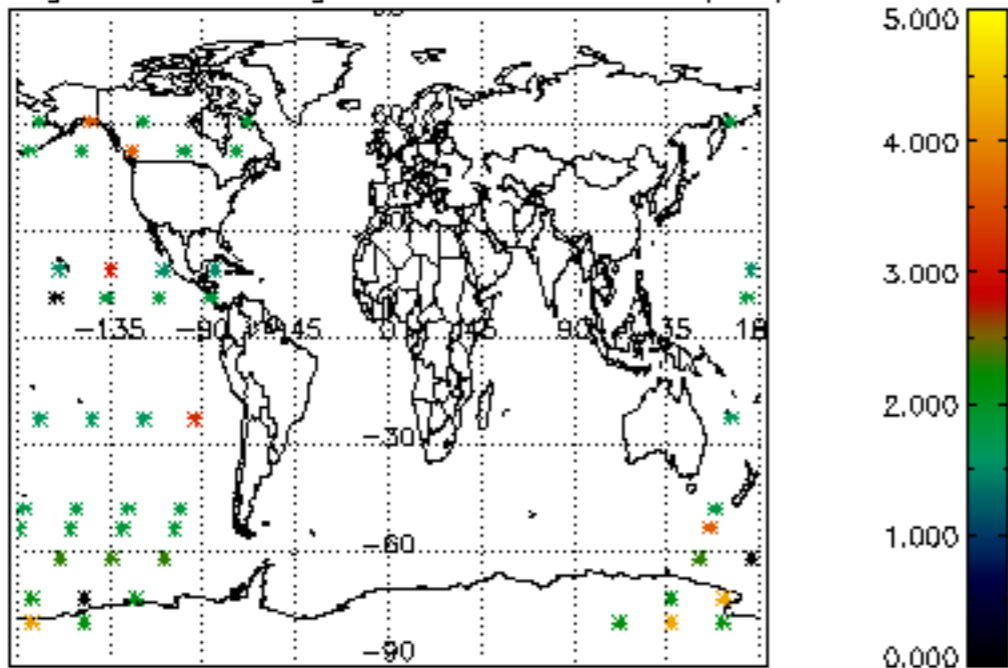
Percentage of cosmic ray hits per profile



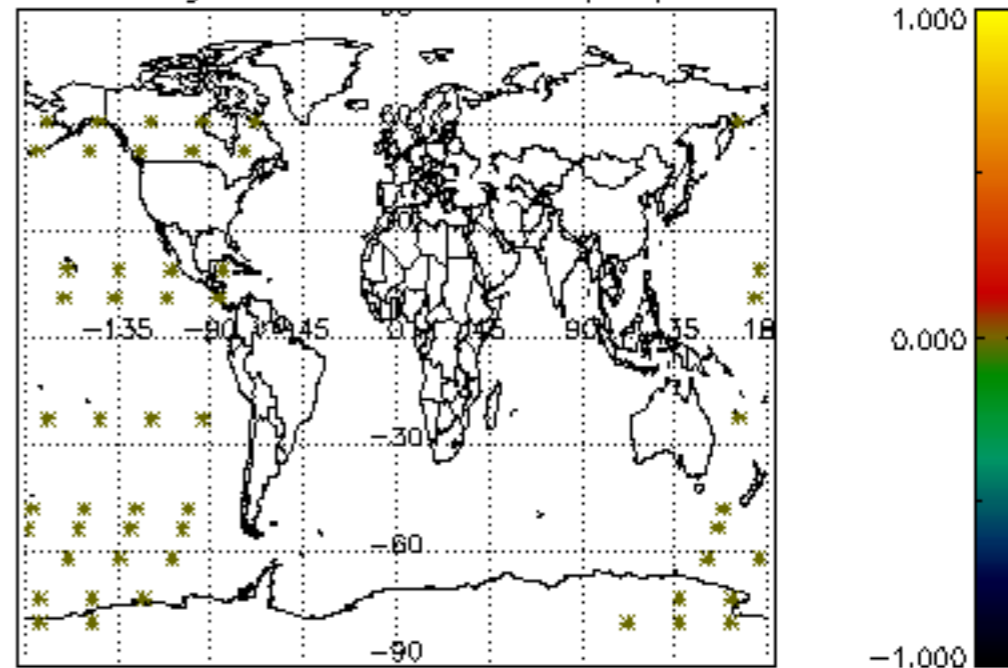
Percentage of datation errors per profile

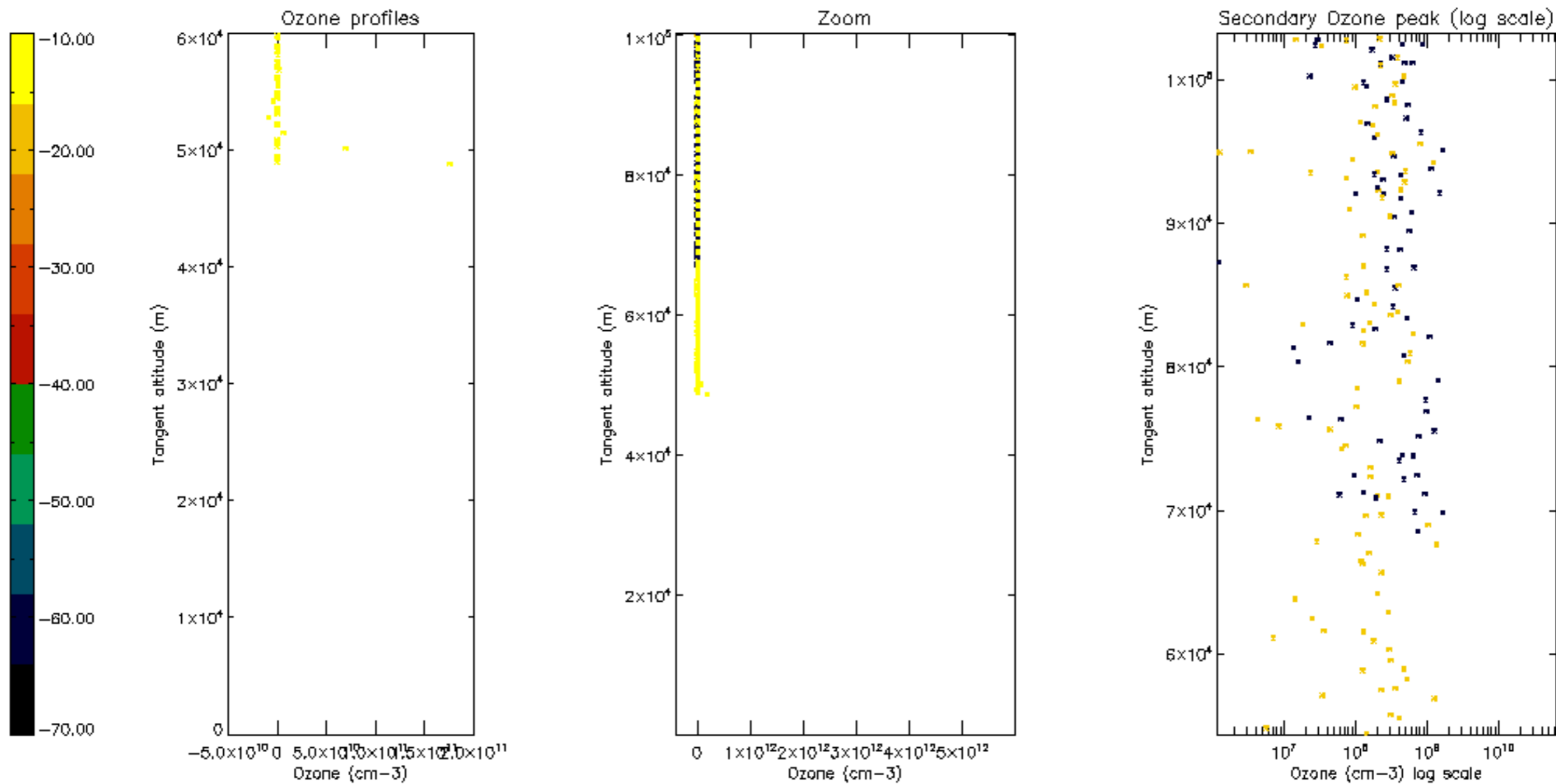


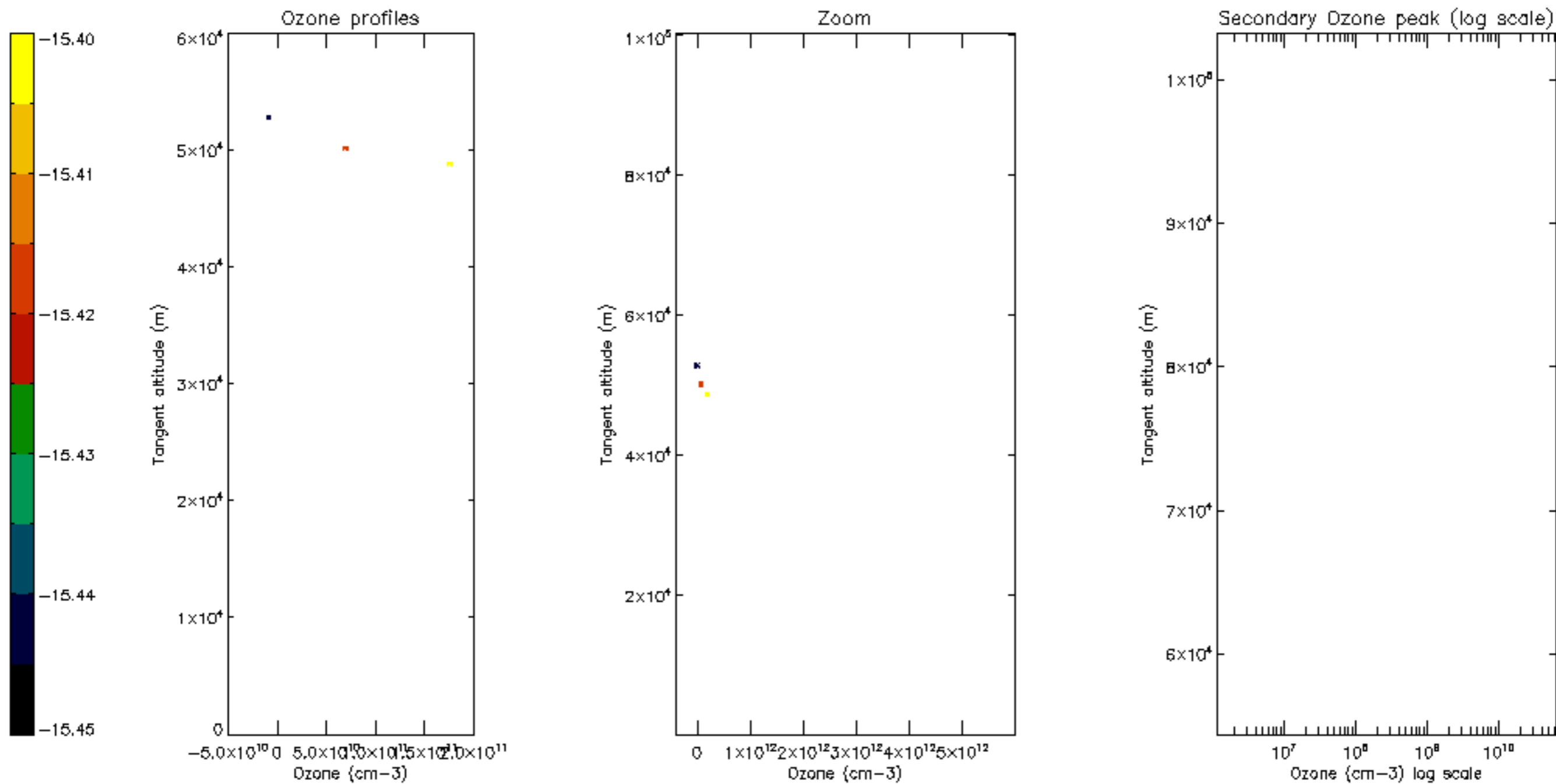
Percentage of star falling outside central band per profile

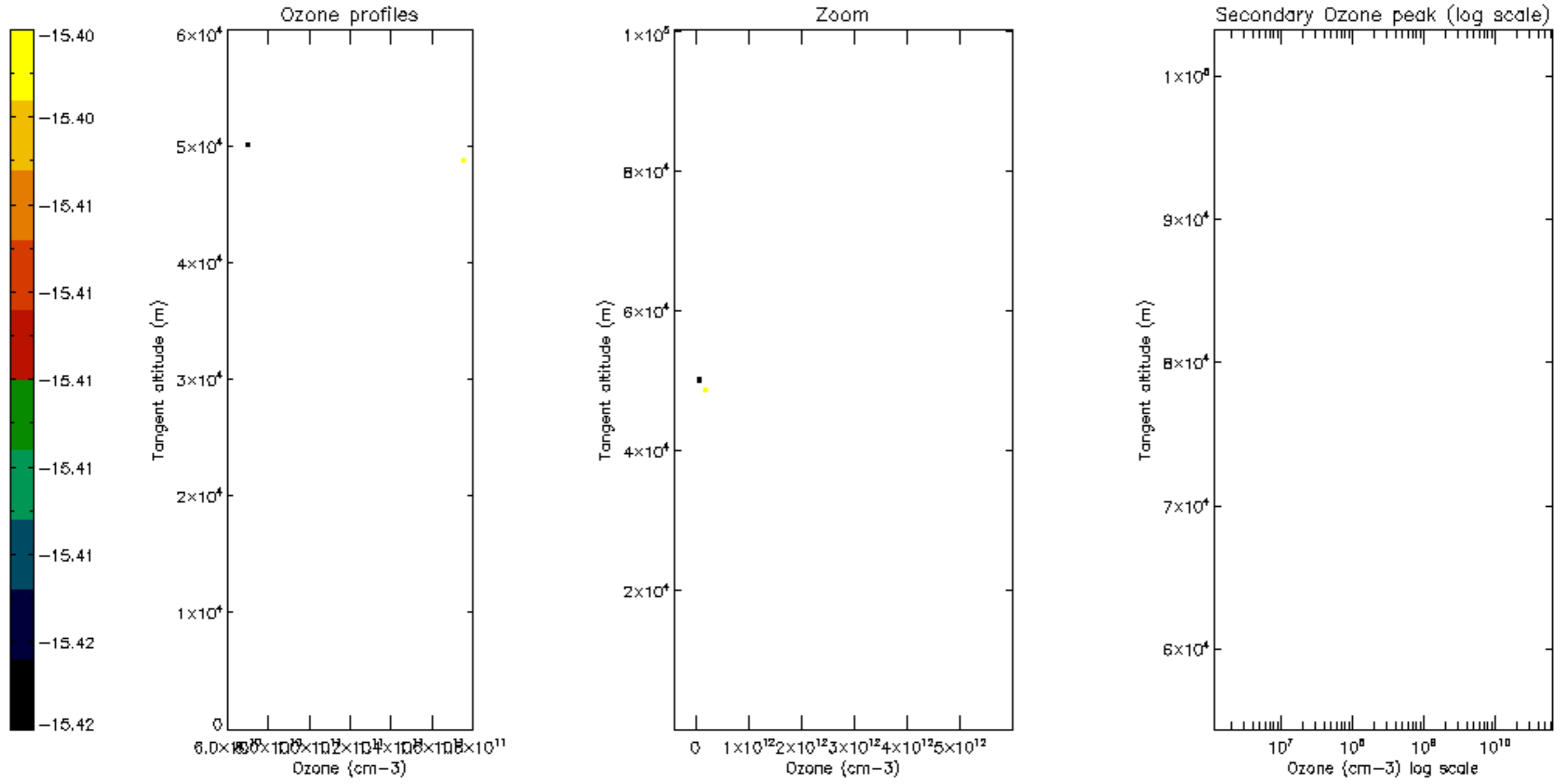


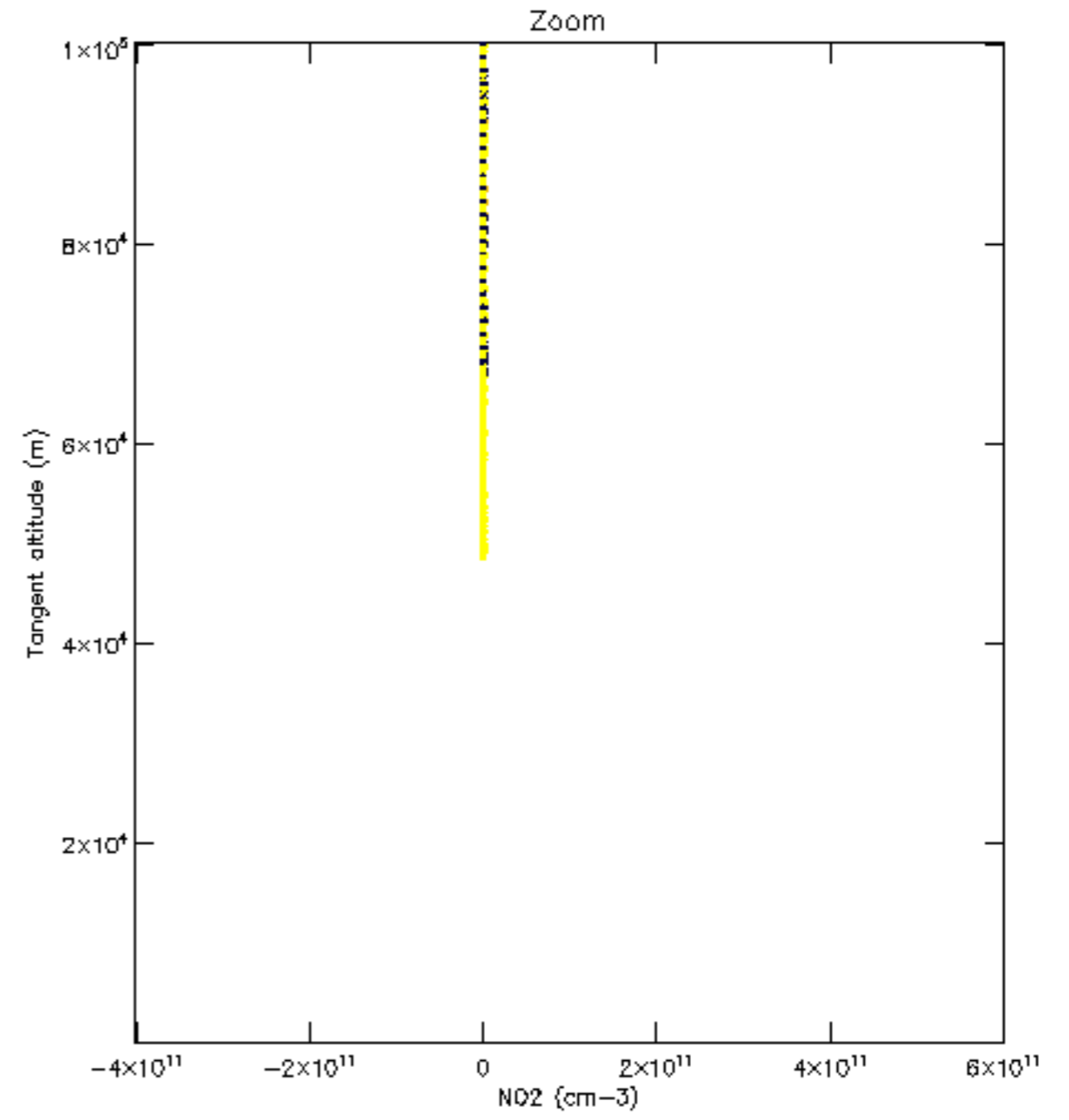
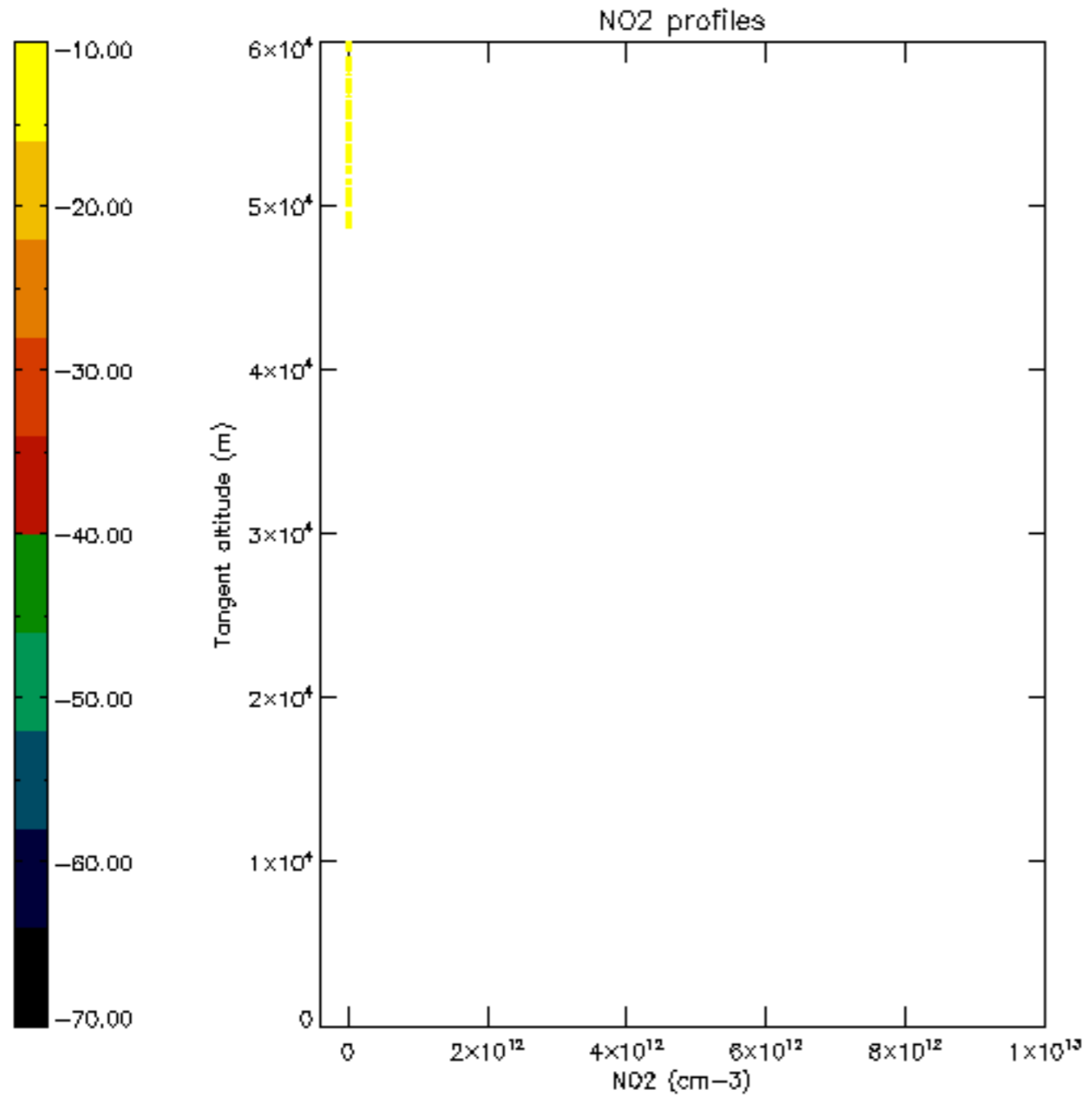
Percentage of saturation errors per profile

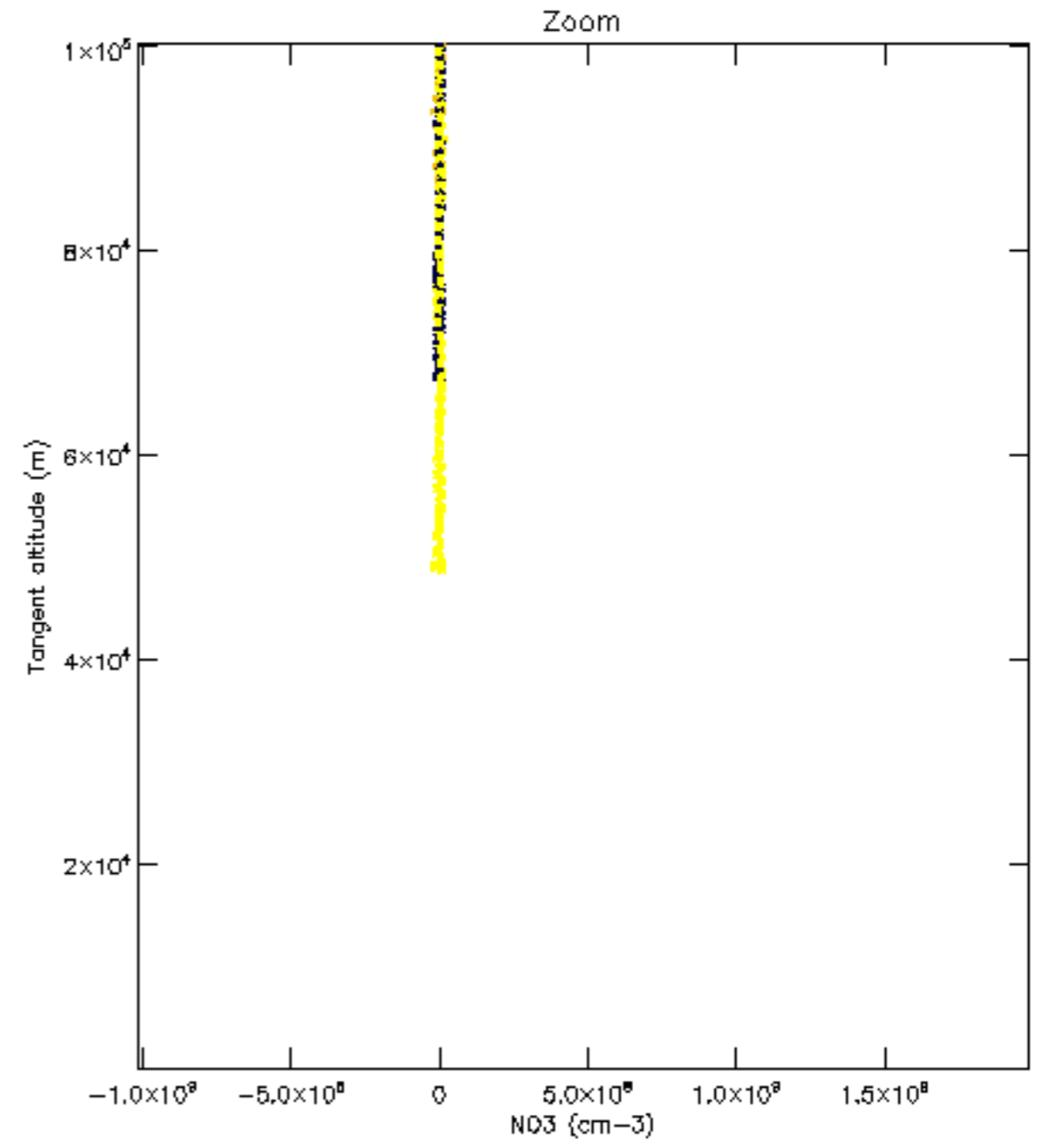
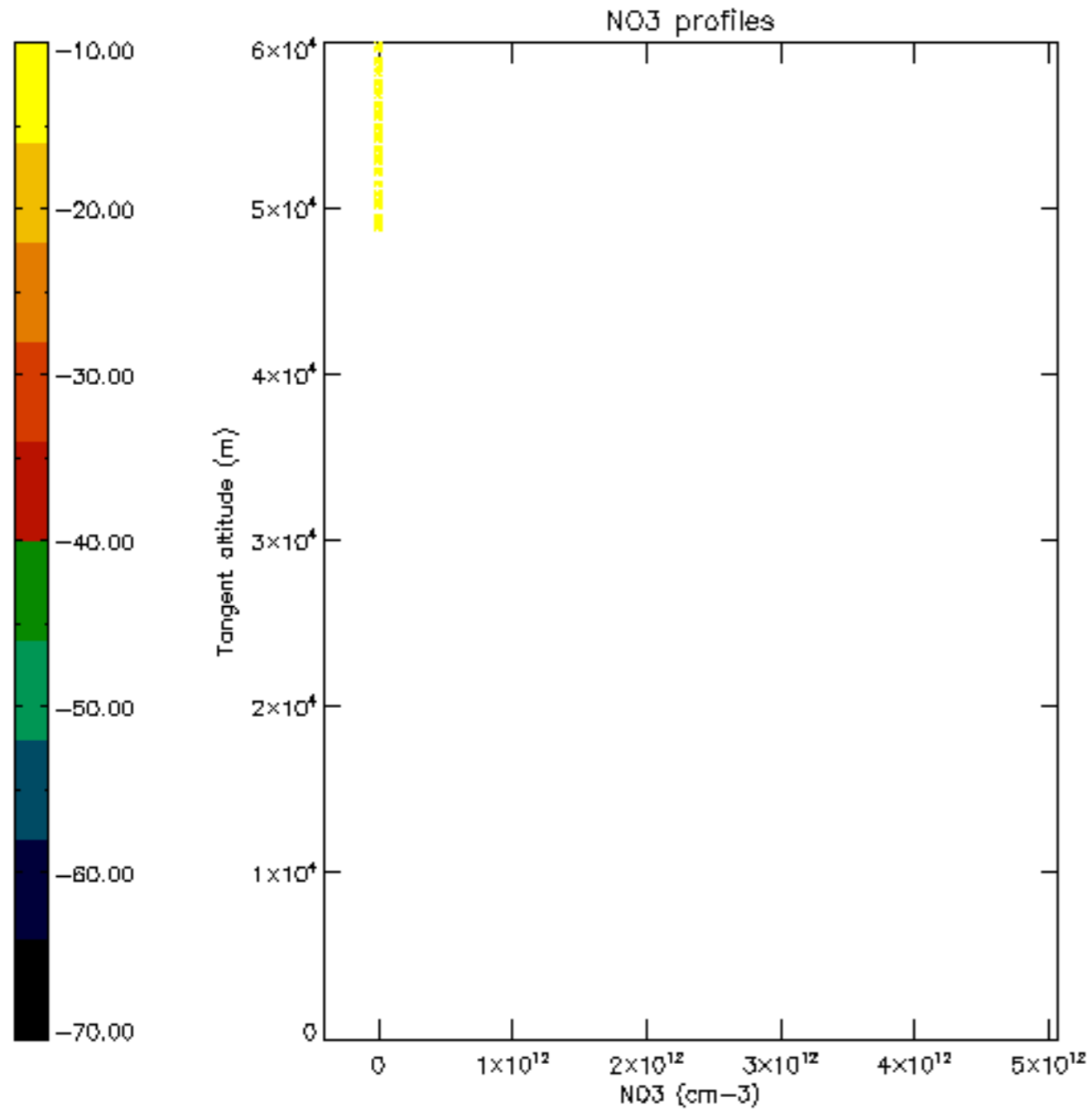


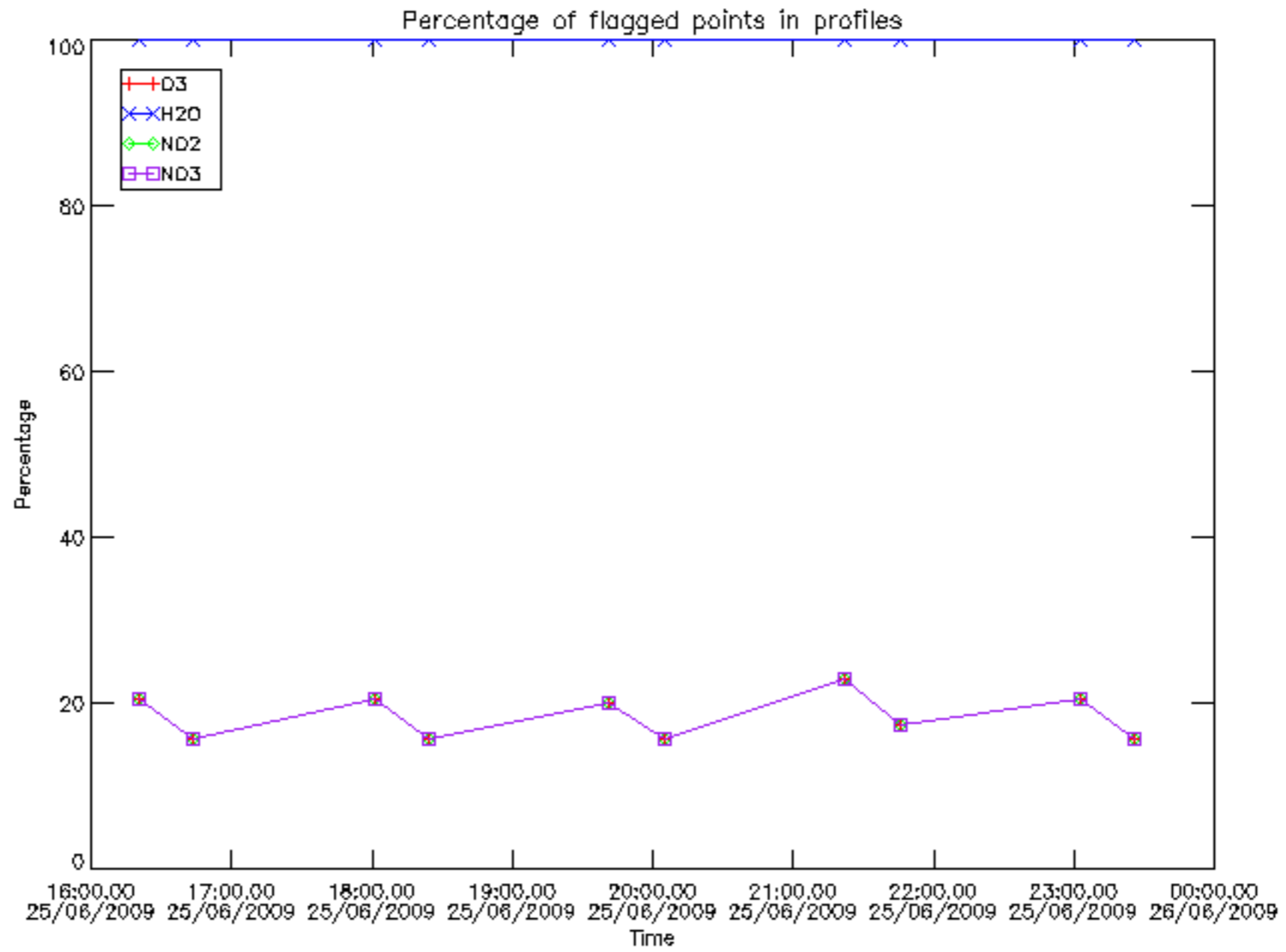




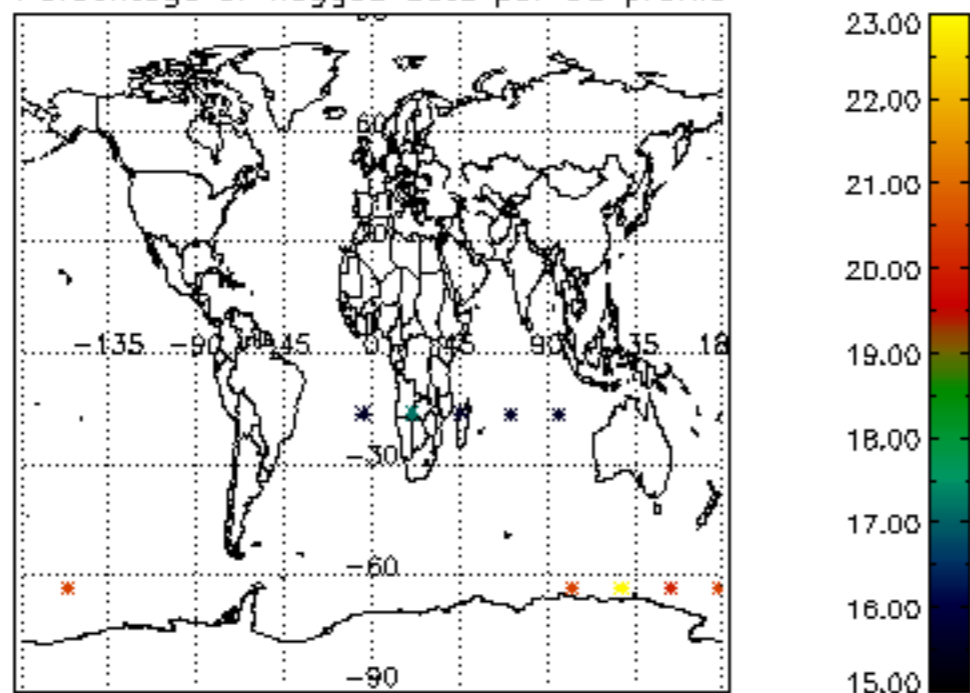




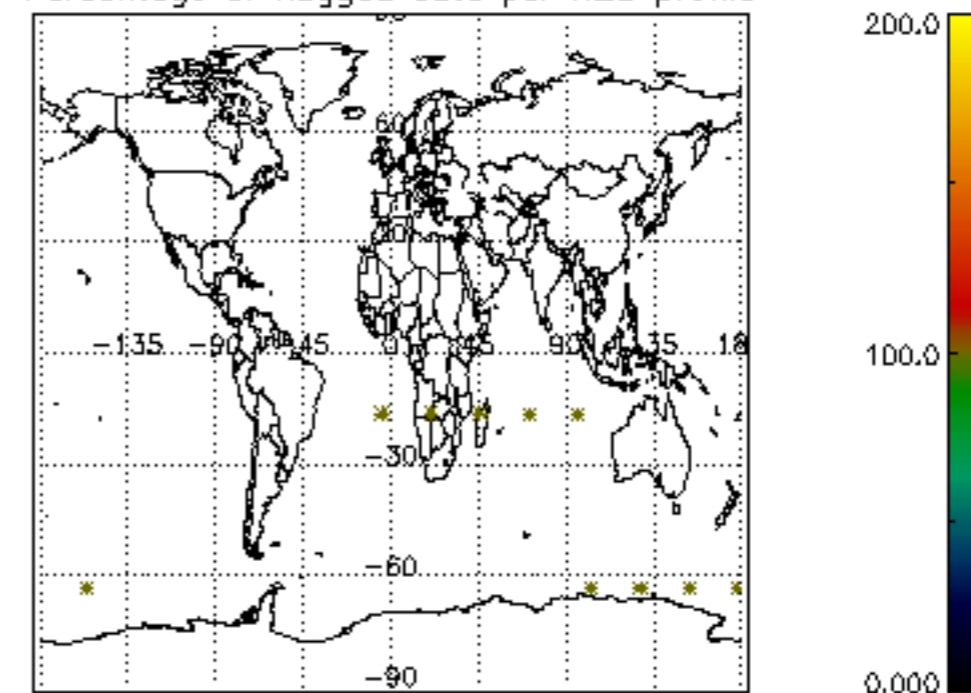




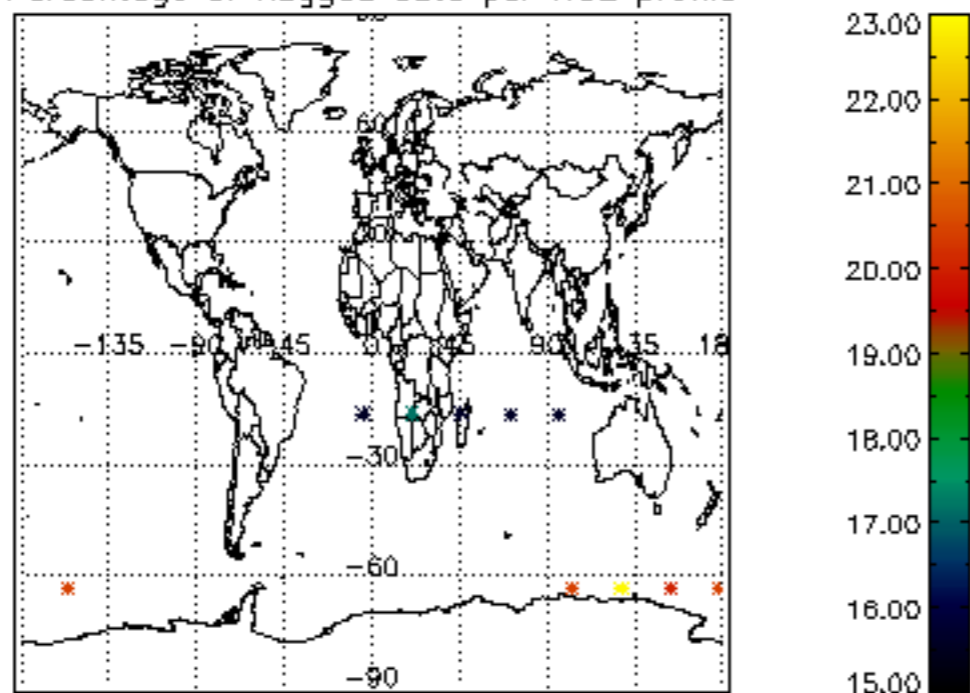
Percentage of flagged data per D3 profile



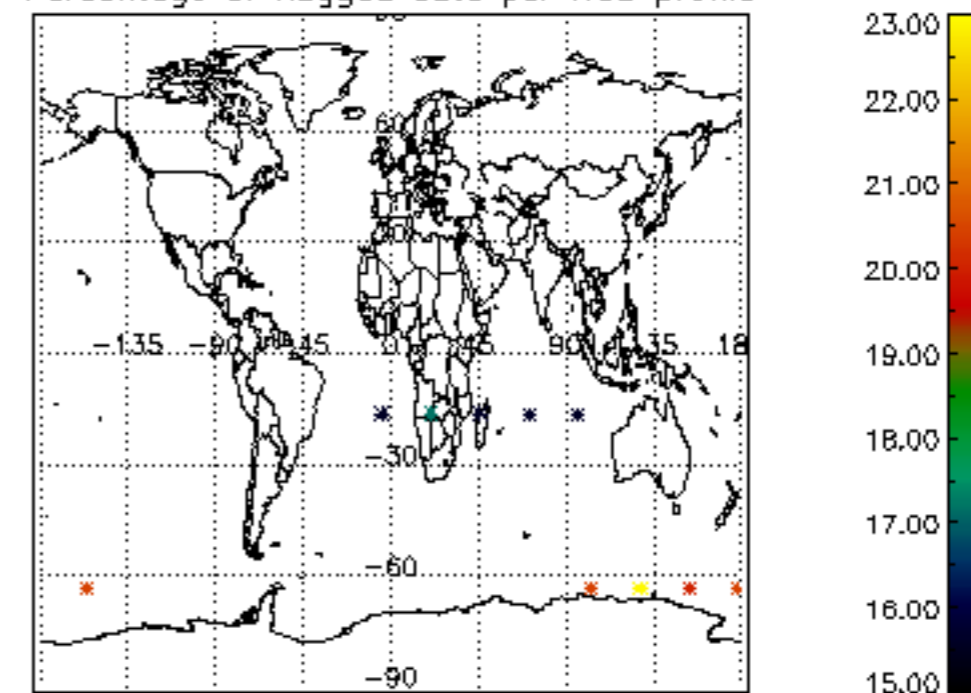
Percentage of flagged data per H2O profile

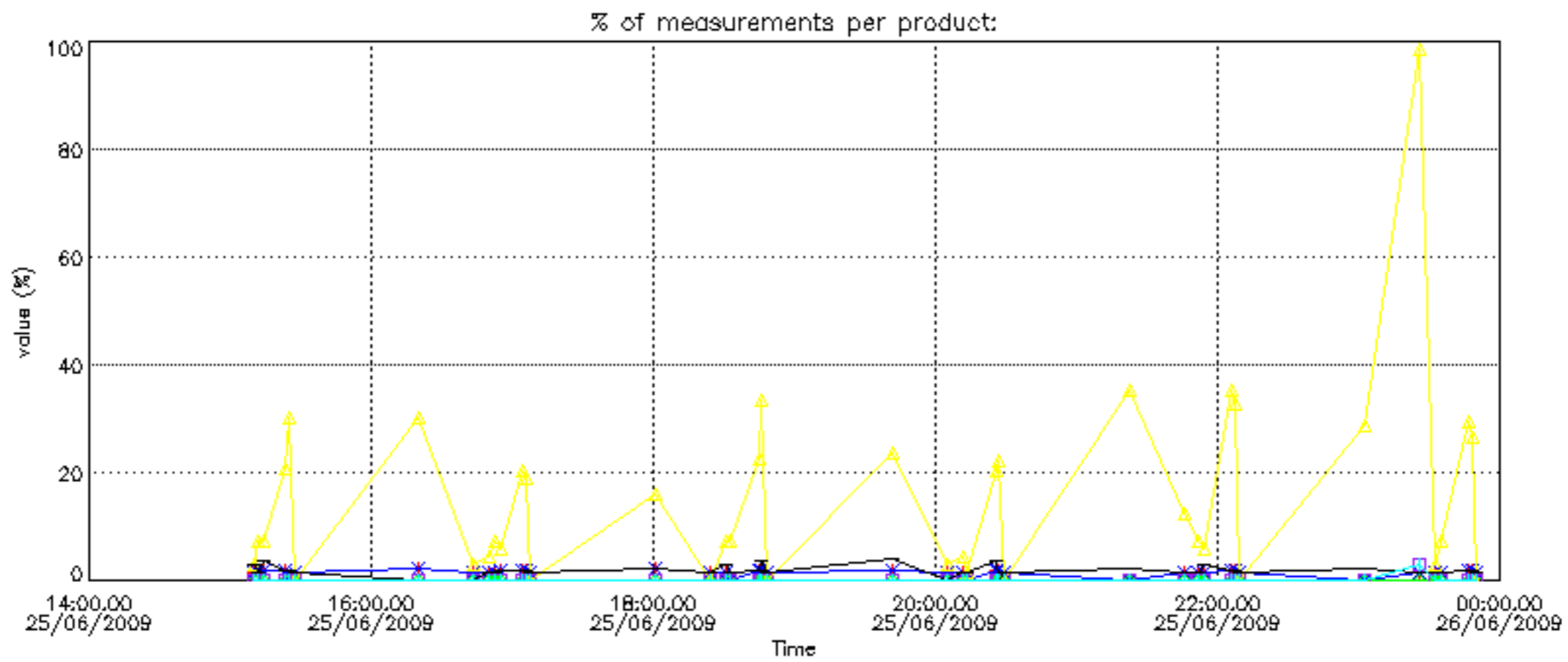


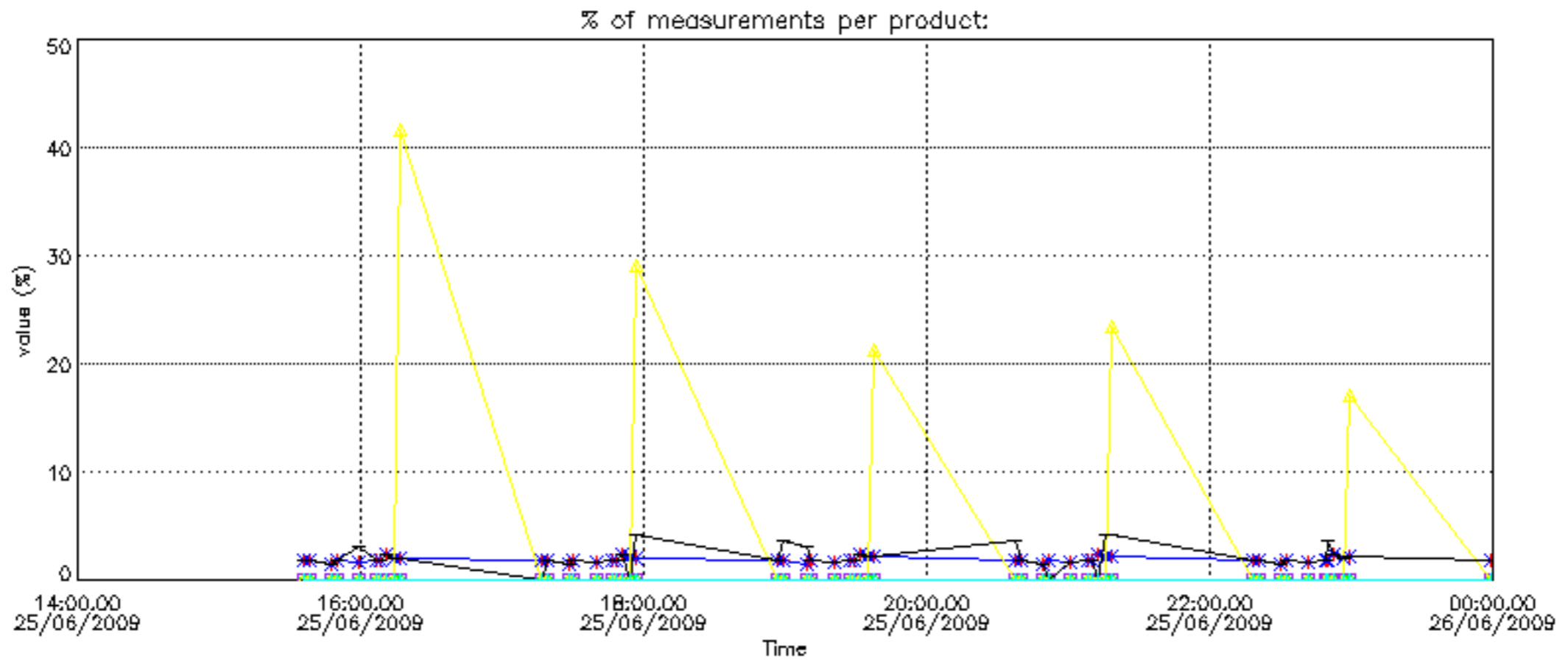
Percentage of flagged data per NO2 profile



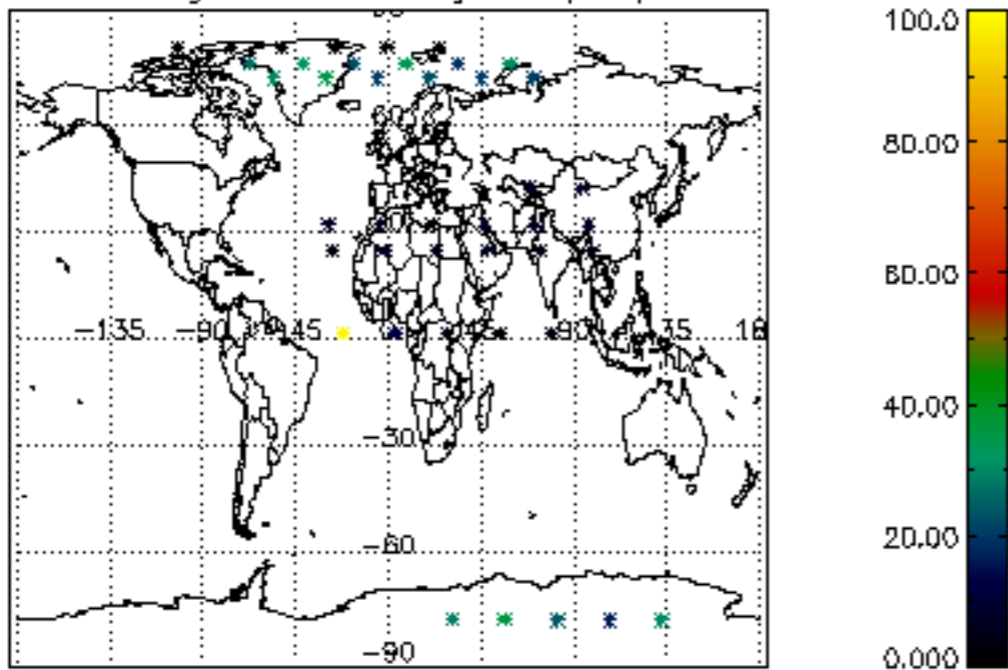
Percentage of flagged data per NO3 profile



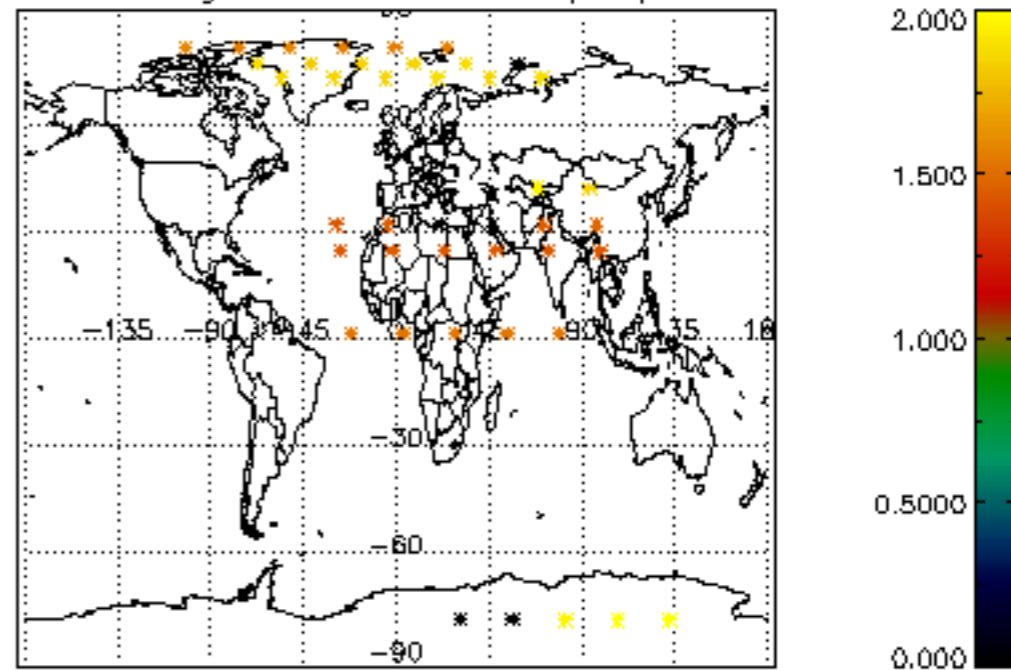




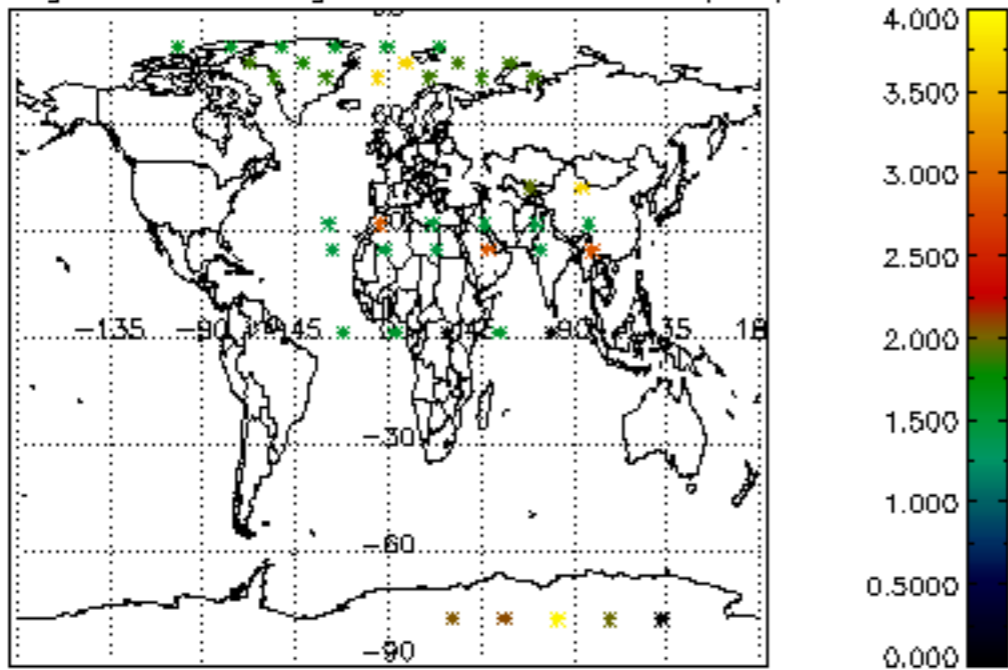
Percentage of cosmic ray hits per profile



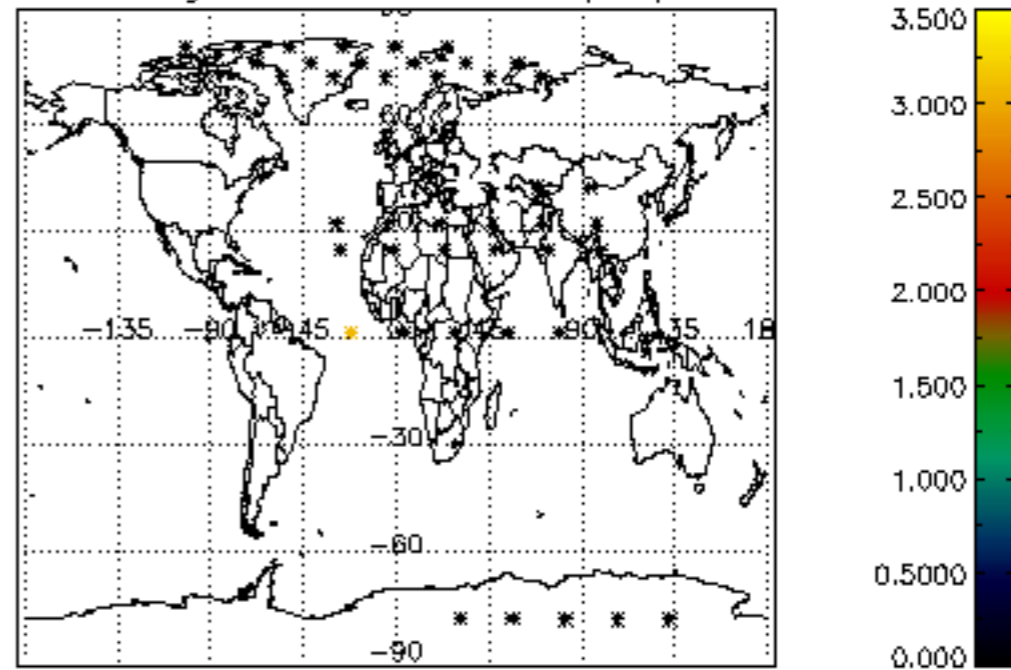
Percentage of datation errors per profile



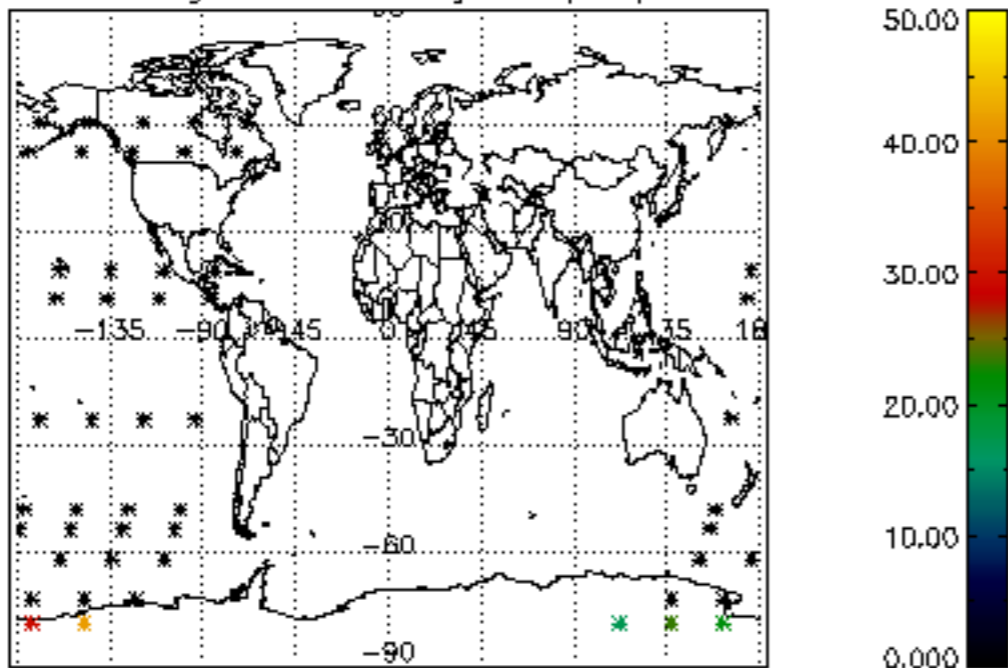
Percentage of star falling outside central band per profile



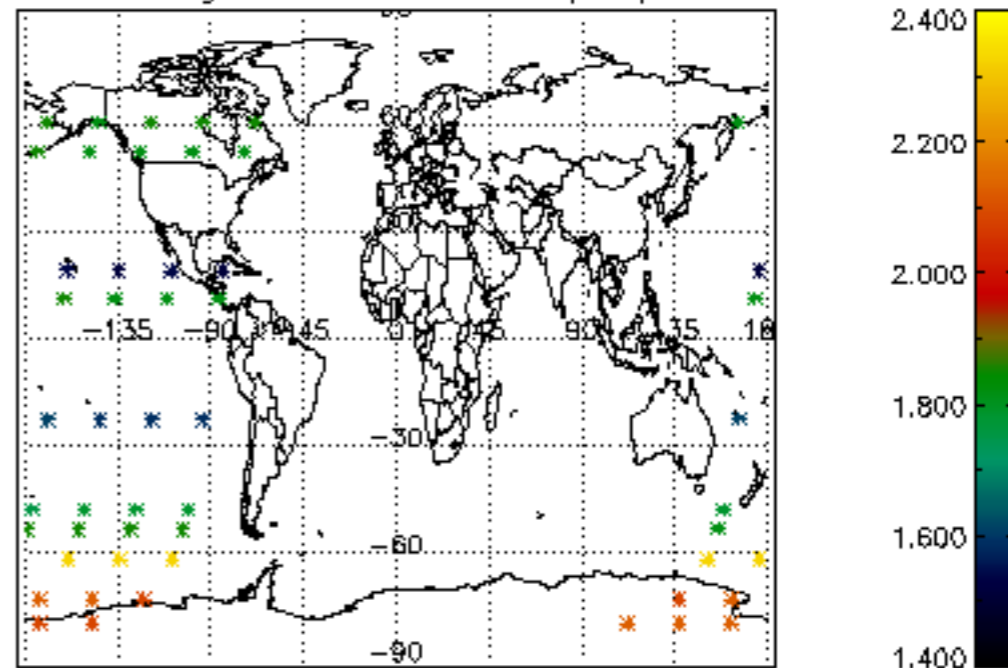
Percentage of saturation errors per profile



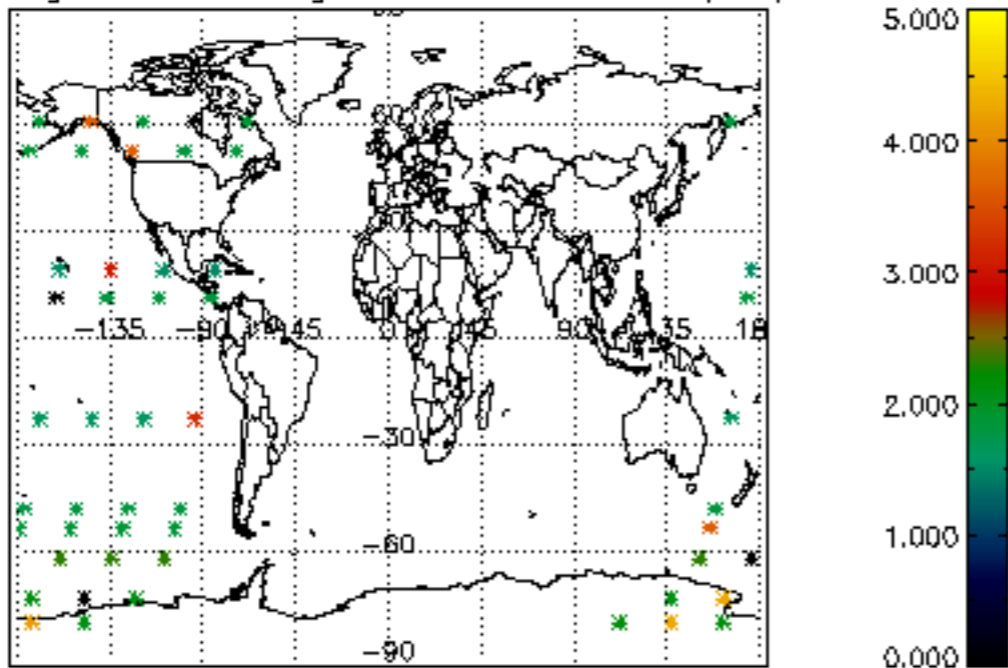
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

