

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	24APR2013 05:26:53
Data source version	GOMOS/6.01
Start time of products	31-10-2006 (31OCT2006 00:00:00)
Stop time of products	01-11-2006 (01NOV2006 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	205
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

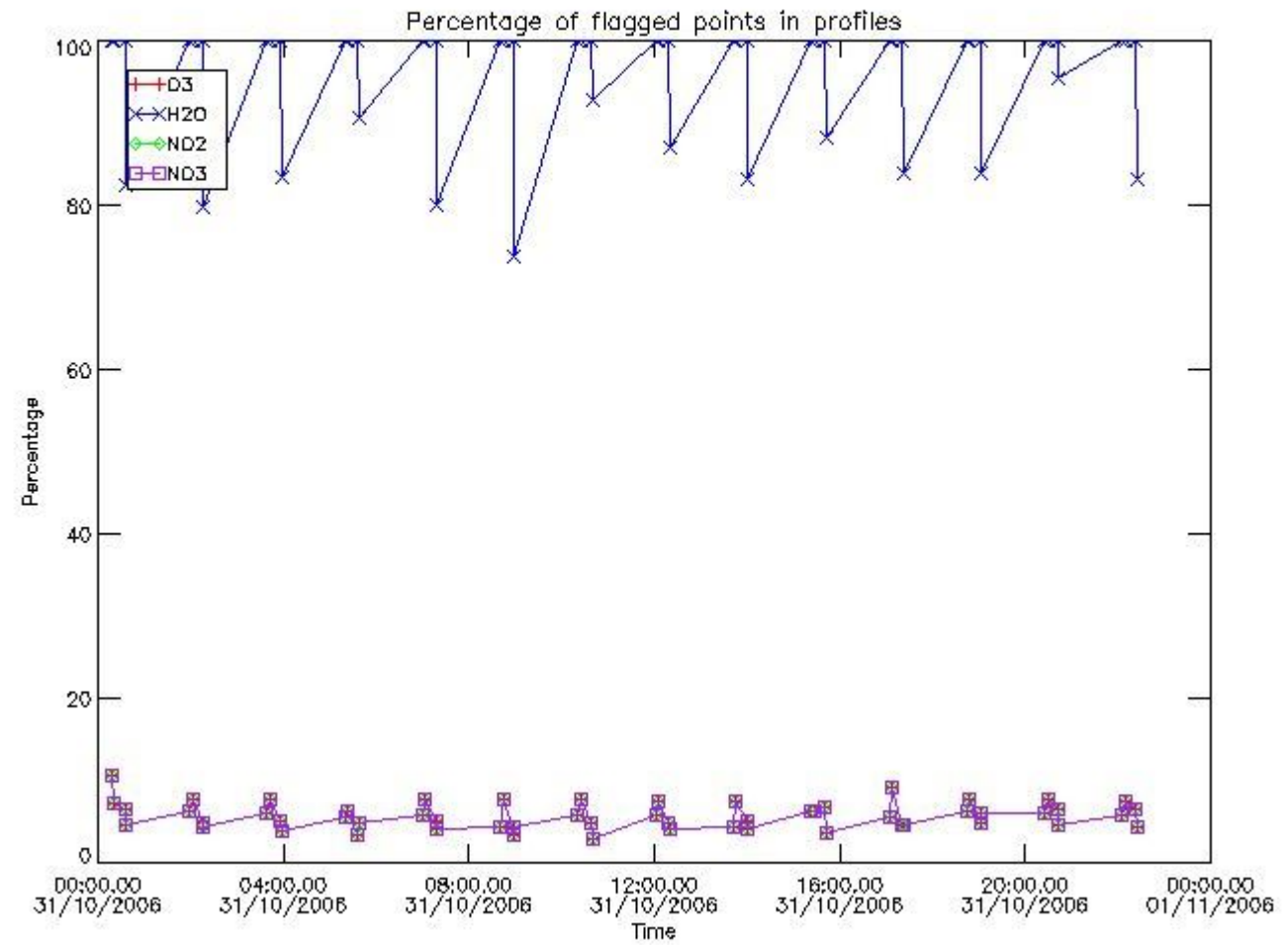
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20061031_001737_000000342052_00302_24404_3304.N1	31-OCT-2006 00:17:37	Dark	34.000	113	Mu Vel	2.6920	5000.0	68	24404	No
2	GOM_NL__2PRFIN20061031_002119_000000362052_00303_24405_3500.N1	31-OCT-2006 00:21:19	Dark	35.500	91	Kap Vel	2.4900	26000.	71	24405	No
3	GOM_NL__2PRFIN20061031_003453_000000322052_00303_24405_3501.N1	31-OCT-2006 00:34:53	Dark	31.500	143	Alp Hyi	2.8570	7200.0	63	24405	No
4	GOM_NL__2PRFIN20061031_003616_000000342052_00303_24405_3502.N1	31-OCT-2006 00:36:16	Dark	34.000	9	Alp Eri	0.45300	24000.	68	24405	No
5	GOM_NL__2PRFIN20061031_004737_000000372052_00303_24405_3503.N1	31-OCT-2006 00:47:37	Straylight	37.000	52	16Bet Cet	2.0370	4500.0	74	24405	No
6	GOM_NL__2PRFIN20061031_005707_000000292052_00303_24405_3504.N1	31-OCT-2006 00:57:07	Bright	29.000	140	88Gam Peg	2.8340	26000.	58	24405	No
7	GOM_NL__2PRFIN20061031_010059_000000292052_00303_24405_3505.N1	31-OCT-2006 01:00:59	Bright	29.000	58	21Alp And	2.0730	11000.	58	24405	No
8	GOM_NL__2PRFIN20061031_010231_000000322052_00303_24405_3506.N1	31-OCT-2006 01:02:31	Bright	31.500	53	43Bet And	2.0480	3300.0	63	24405	No
9	GOM_NL__2PRFIN20061031_010823_000000292052_00303_24405_3507.N1	31-OCT-2006 01:08:23	Bright	29.000	68	18Alp Cas	2.2250	4500.0	58	24405	No
10	GOM_NL__2PRFIN20061031_010936_000000292052_00303_24405_3508.N1	31-OCT-2006 01:09:36	Bright	28.500	76	27Gam Cas	2.3000	30000.	57	24405	No
11	GOM_NL__2PRFIN20061031_011740_000000302052_00303_24405_3509.N1	31-OCT-2006 01:17:40	Bright	30.000	49	1Alp UMi	1.9900	6300.0	60	24405	No
12	GOM_NL__2PRFIN20061031_012126_000000302052_00303_24405_3510.N1	31-OCT-2006 01:21:26	Bright	29.500	60	7Bet UMi	2.0810	3950.0	59	24405	No
13	GOM_NL__2PRFIN20061031_012721_000000292052_00303_24405_3511.N1	31-OCT-2006 01:27:21	Bright	28.500	32	77Eps UMa	1.7630	11000.	57	24405	No
14	GOM_NL__2PRFIN20061031_012837_000000302052_00303_24405_3512.N1	31-OCT-2006 01:28:37	Bright	29.500	39	85Eta UMa	1.8540	24000.	59	24405	No
15	GOM_NL__2PRFIN20061031_013938_000000292052_00303_24405_3513.N1	31-OCT-2006 01:39:38	Bright	29.000	62	94Bet Leo	2.1360	9700.0	58	24405	No
16	GOM_NL__2PRFIN20061031_015813_000000332052_00303_24405_3514.N1	31-OCT-2006 01:58:13	Dark	33.000	113	Mu Vel	2.6920	5000.0	66	24405	No
17	GOM_NL__2PRFIN20061031_020156_000000332052_00304_24406_3289.N1	31-OCT-2006 02:01:56	Dark	33.000	91	Kap Vel	2.4900	26000.	66	24406	No
18	GOM_NL__2PRFIN20061031_021529_000000332052_00304_24406_3290.N1	31-OCT-2006 02:15:29	Dark	32.500	143	Alp Hyi	2.8570	7200.0	65	24406	No
19	GOM_NL__2PRFIN20061031_021652_000000352052_00304_24406_3291.N1	31-OCT-2006 02:16:52	Dark	34.500	9	Alp Eri	0.45300	24000.	69	24406	No
20	GOM_NL__2PRFIN20061031_022813_000000372052_00304_24406_3292.N1	31-OCT-2006 02:28:13	Straylight	36.500	52	16Bet Cet	2.0370	4500.0	73	24406	No
21	GOM_NL__2PRFIN20061031_023743_000000302052_00304_24406_3293.N1	31-OCT-2006 02:37:43	Bright	30.000	140	88Gam Peg	2.8340	26000.	60	24406	No
22	GOM_NL__2PRFIN20061031_024135_000000312052_00304_24406_3294.N1	31-OCT-2006 02:41:35	Bright	30.500	58	21Alp And	2.0730	11000.	61	24406	No
23	GOM_NL__2PRFIN20061031_024307_000000302052_00304_24406_3295.N1	31-OCT-2006 02:43:07	Bright	29.500	53	43Bet And	2.0480	3300.0	59	24406	No
24	GOM_NL__2PRFIN20061031_024859_000000302052_00304_24406_3296.N1	31-OCT-2006 02:48:59	Bright	29.500	68	18Alp Cas	2.2250	4500.0	59	24406	No
25	GOM_NL__2PRFIN20061031_025011_000000292052_00304_24406_3297.N1	31-OCT-2006 02:50:11	Bright	29.000	76	27Gam Cas	2.3000	30000.	58	24406	No
26	GOM_NL__2PRFIN20061031_025815_000000272052_00304_24406_3298.N1	31-OCT-2006 02:58:15	Bright	27.000	49	1Alp UMi	1.9900	6300.0	54	24406	No
27	GOM_NL__2PRFIN20061031_030203_000000302052_00304_24406_3299.N1	31-OCT-2006 03:02:03	Bright	30.000	60	7Bet UMi	2.0810	3950.0	60	24406	No
28	GOM_NL__2PRFIN20061031_030757_000000462052_00304_24406_3300.N1	31-OCT-2006 03:07:57	Bright	46.000	32	77Eps UMa	1.7630	11000.	92	24406	No
29	GOM_NL__2PRFIN20061031_030913_000000302052_00304_24406_3301.N1	31-OCT-2006 03:09:13	Bright	30.000	39	85Eta UMa	1.8540	24000.	60	24406	No
30	GOM_NL__2PRFIN20061031_031250_000000282052_00304_24406_3302.N1	31-OCT-2006 03:12:50	Bright	27.500	152	12Alp2CVn	2.8900	11000.	55	24406	No
31	GOM_NL__2PRFIN20061031_032014_000000292052_00304_24406_3303.N1	31-OCT-2006 03:20:14	Bright	29.000	62	94Bet Leo	2.1360	9700.0	58	24406	No
32	GOM_NL__2PRFIN20061031_033850_000000342052_00304_24406_3304.N1	31-OCT-2006 03:38:50	Dark	34.000	113	Mu Vel	2.6920	5000.0	68	24406	No
33	GOM_NL__2PRFIN20061031_034232_000000332052_00305_24407_3289.N1	31-OCT-2006 03:42:32	Dark	33.000	91	Kap Vel	2.4900	26000.	66	24407	No
34	GOM_NL__2PRFIN20061031_035605_000000312052_00305_24407_3290.N1	31-OCT-2006 03:56:05	Dark	30.500	143	Alp Hyi	2.8570	7200.0	61	24407	No
35	GOM_NL__2PRFIN20061031_035728_000000402052_00305_24407_3291.N1	31-OCT-2006 03:57:28	Dark	39.500	9	Alp Eri	0.45300	24000.	79	24407	No
36	GOM_NL__2PRFIN20061031_040849_000000372052_00305_24407_3292.N1	31-OCT-2006 04:08:49	Straylight	36.500	52	16Bet Cet	2.0370	4500.0	73	24407	No
37	GOM_NL__2PRFIN20061031_041819_000000302052_00305_24407_3293.N1	31-OCT-2006 04:18:19	Bright	29.500	140	88Gam Peg	2.8340	26000.	59	24407	No
38	GOM_NL__2PRFIN20061031_042211_000000312052_00305_24407_3294.N1	31-OCT-2006 04:22:11	Bright	30.500	58	21Alp And	2.0730	11000.	61	24407	No
39	GOM_NL__2PRFIN20061031_042343_000000322052_00305_24407_3295.N1	31-OCT-2006 04:23:43	Bright	31.500	53	43Bet And	2.0480	3300.0	63	24407	No
40	GOM_NL__2PRFIN20061031_042935_000000312052_00305_24407_3296.N1	31-OCT-2006 04:29:35	Bright	30.500	68	18Alp Cas	2.2250	4500.0	61	24407	No
41	GOM_NL__2PRFIN20061031_043047_000000302052_00305_24407_3297.N1	31-OCT-2006 04:30:47	Bright	30.000	76	27Gam Cas	2.3000	30000.	60	24407	No
42	GOM_NL__2PRFIN20061031_043852_000000302052_00305_24407_3298.N1	31-OCT-2006 04:38:52	Bright	29.500	49	1Alp UMi	1.9900	6300.0	59	24407	No

161	GOM_NL__2PRFIN20061031_174830_000000312052_00313_24415_3356.N1	31-OCT-2006 17:48:30	Bright	30.500	53	43Bet And	2.0480	3300.0	61	24415	No
162	GOM_NL__2PRFIN20061031_175423_000000302052_00313_24415_3357.N1	31-OCT-2006 17:54:23	Bright	30.000	68	18Alp Cas	2.2250	4500.0	60	24415	No
163	GOM_NL__2PRFIN20061031_175534_000000292052_00313_24415_3358.N1	31-OCT-2006 17:55:34	Bright	29.000	76	27Gam Cas	2.3000	30000.	58	24415	No
164	GOM_NL__2PRFIN20061031_180339_000000312052_00313_24415_3359.N1	31-OCT-2006 18:03:39	Bright	30.500	49	1Alp UMi	1.9900	6300.0	61	24415	No
165	GOM_NL__2PRFIN20061031_180728_000000312052_00313_24415_3360.N1	31-OCT-2006 18:07:28	Bright	31.000	60	7Bet UMi	2.0810	3950.0	62	24415	No
166	GOM_NL__2PRFIN20061031_181321_000000282052_00313_24415_3361.N1	31-OCT-2006 18:13:21	Bright	27.500	32	77Eps UMa	1.7630	11000.	55	24415	No
167	GOM_NL__2PRFIN20061031_181438_000000462052_00313_24415_3362.N1	31-OCT-2006 18:14:38	Bright	46.000	39	85Eta UMa	1.8540	24000.	92	24415	No
168	GOM_NL__2PRFIN20061031_181815_000000292052_00313_24415_3363.N1	31-OCT-2006 18:18:15	Bright	28.500	152	12Alp2CVn	2.8900	11000.	57	24415	No
169	GOM_NL__2PRFIN20061031_182540_000000302052_00313_24415_3364.N1	31-OCT-2006 18:25:40	Bright	29.500	62	94Bet Leo	2.1360	9700.0	59	24415	No
170	GOM_NL__2PRFIN20061031_184417_000000332052_00313_24415_3365.N1	31-OCT-2006 18:44:17	Dark	32.500	113	Mu Vel	2.6920	5000.0	65	24415	No
171	GOM_NL__2PRFIN20061031_184801_000000332052_00314_24416_3350.N1	31-OCT-2006 18:48:01	Dark	33.000	91	Kap Vel	2.4900	26000.	66	24416	No
172	GOM_NL__2PRFIN20061031_190130_000000322052_00314_24416_3351.N1	31-OCT-2006 19:01:30	Dark	31.500	143	Alp Hyi	2.8570	7200.0	63	24416	No
173	GOM_NL__2PRFIN20061031_190253_000000352052_00314_24416_3352.N1	31-OCT-2006 19:02:53	Dark	34.500	9	Alp Eri	0.45300	24000.	69	24416	No
174	GOM_NL__2PRFIN20061031_191414_000000372052_00314_24416_3353.N1	31-OCT-2006 19:14:14	Straylight	37.000	52	16Bet Cet	2.0370	4500.0	74	24416	No
175	GOM_NL__2PRFIN20061031_192345_000000302052_00314_24416_3354.N1	31-OCT-2006 19:23:45	Bright	29.500	140	88Gam Peg	2.8340	26000.	59	24416	No
176	GOM_NL__2PRFIN20061031_192736_000000312052_00314_24416_3355.N1	31-OCT-2006 19:27:36	Bright	31.000	58	21Alp And	2.0730	11000.	62	24416	No
177	GOM_NL__2PRFIN20061031_192906_000000312052_00314_24416_3356.N1	31-OCT-2006 19:29:06	Bright	31.000	53	43Bet And	2.0480	3300.0	62	24416	No
178	GOM_NL__2PRFIN20061031_193459_000000302052_00314_24416_3357.N1	31-OCT-2006 19:34:59	Bright	29.500	68	18Alp Cas	2.2250	4500.0	59	24416	No
179	GOM_NL__2PRFIN20061031_193610_000000472052_00314_24416_3358.N1	31-OCT-2006 19:36:10	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	24416	No
180	GOM_NL__2PRFIN20061031_194415_000000312052_00314_24416_3359.N1	31-OCT-2006 19:44:15	Bright	30.500	49	1Alp UMi	1.9900	6300.0	61	24416	No
181	GOM_NL__2PRFIN20061031_194804_000000462052_00314_24416_3360.N1	31-OCT-2006 19:48:04	Bright	46.000	60	7Bet UMi	2.0810	3950.0	92	24416	No
182	GOM_NL__2PRFIN20061031_195357_000000302052_00314_24416_3361.N1	31-OCT-2006 19:53:57	Bright	29.500	32	77Eps UMa	1.7630	11000.	59	24416	No
183	GOM_NL__2PRFIN20061031_195514_000000312052_00314_24416_3362.N1	31-OCT-2006 19:55:14	Bright	30.500	39	85Eta UMa	1.8540	24000.	61	24416	No
184	GOM_NL__2PRFIN20061031_195851_000000292052_00314_24416_3363.N1	31-OCT-2006 19:58:51	Bright	28.500	152	12Alp2CVn	2.8900	11000.	57	24416	No
185	GOM_NL__2PRFIN20061031_200616_000000302052_00314_24416_3364.N1	31-OCT-2006 20:06:16	Bright	30.000	62	94Bet Leo	2.1360	9700.0	60	24416	No
186	GOM_NL__2PRFIN20061031_202453_000000342052_00314_24416_3365.N1	31-OCT-2006 20:24:53	Dark	34.000	113	Mu Vel	2.6920	5000.0	68	24416	No
187	GOM_NL__2PRFIN20061031_202838_000000332052_00315_24417_3350.N1	31-OCT-2006 20:28:38	Dark	33.000	91	Kap Vel	2.4900	26000.	66	24417	No
188	GOM_NL__2PRFIN20061031_204206_000000322052_00315_24417_3351.N1	31-OCT-2006 20:42:06	Dark	31.500	143	Alp Hyi	2.8570	7200.0	63	24417	No
189	GOM_NL__2PRFIN20061031_204329_000000452052_00315_24417_3352.N1	31-OCT-2006 20:43:29	Dark	44.500	9	Alp Eri	0.45300	24000.	89	24417	No
190	GOM_NL__2PRFIN20061031_205450_000000392052_00315_24417_3353.N1	31-OCT-2006 20:54:50	Straylight	38.500	52	16Bet Cet	2.0370	4500.0	77	24417	No
191	GOM_NL__2PRFIN20061031_210421_000000282052_00315_24417_3354.N1	31-OCT-2006 21:04:21	Bright	28.000	140	88Gam Peg	2.8340	26000.	56	24417	No
192	GOM_NL__2PRFIN20061031_210813_000000312052_00315_24417_3355.N1	31-OCT-2006 21:08:13	Bright	30.500	58	21Alp And	2.0730	11000.	61	24417	No
193	GOM_NL__2PRFIN20061031_210942_000000312052_00315_24417_3356.N1	31-OCT-2006 21:09:42	Bright	31.000	53	43Bet And	2.0480	3300.0	62	24417	No
194	GOM_NL__2PRFIN20061031_211535_000000312052_00315_24417_3357.N1	31-OCT-2006 21:15:35	Bright	31.000	68	18Alp Cas	2.2250	4500.0	62	24417	No
195	GOM_NL__2PRFIN20061031_211646_000000292052_00315_24417_3358.N1	31-OCT-2006 21:16:46	Bright	29.000	76	27Gam Cas	2.3000	30000.	58	24417	No
196	GOM_NL__2PRFIN20061031_212451_000000292052_00315_24417_3359.N1	31-OCT-2006 21:24:51	Bright	29.000	49	1Alp UMi	1.9900	6300.0	58	24417	No
197	GOM_NL__2PRFIN20061031_212840_000000272052_00315_24417_3360.N1	31-OCT-2006 21:28:40	Bright	27.000	60	7Bet UMi	2.0810	3950.0	54	24417	No
198	GOM_NL__2PRFIN20061031_213434_000000302052_00315_24417_3361.N1	31-OCT-2006 21:34:34	Bright	30.000	32	77Eps UMa	1.7630	11000.	60	24417	No
199	GOM_NL__2PRFIN20061031_213551_000000302052_00315_24417_3362.N1	31-OCT-2006 21:35:51	Bright	30.000	39	85Eta UMa	1.8540	24000.	60	24417	No
200	GOM_NL__2PRFIN20061031_213927_000000292052_00315_24417_3363.N1	31-OCT-2006 21:39:27	Bright	28.500	152	12Alp2CVn	2.8900	11000.	57	24417	No
201	GOM_NL__2PRFIN20061031_214652_000000302052_00315_24417_3364.N1	31-OCT-2006 21:46:52	Bright	30.000	62	94Bet Leo	2.1360	9700.0	60	24417	No
202	GOM_NL__2PRFIN20061031_220530_000000362052_00315_24417_3365.N1	31-OCT-2006 22:05:30	Dark	35.500	113	Mu Vel	2.6920	5000.0	71	24417	No
203	GOM_NL__2PRFIN20061031_220914_000000352052_00316_24418_3350.N1	31-OCT-2006 22:09:14	Dark	34.500	91	Kap Vel	2.4900	26000.	69	24418	No
204	GOM_NL__2PRFIN20061031_222242_000000322052_00316_24418_3351.N1	31-OCT-2006 22:22:42	Dark	31.500	143	Alp Hyi	2.8570	7200.0	63	24418	No
205	GOM_NL__2PRFIN20061031_222406_000000362052_00316_24418_3352.N1	31-OCT-2006 22:24:06	Dark	35.500	9	Alp Eri	0.45300	24000.	71	24418	No

3. Quality information per product

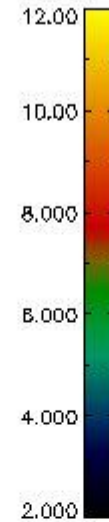
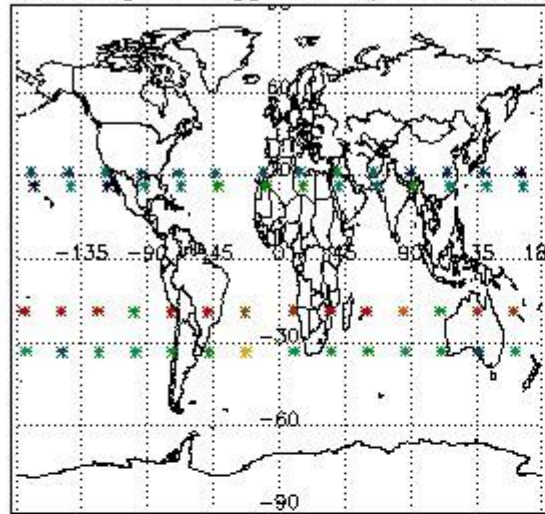
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

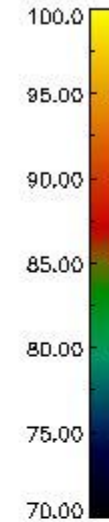
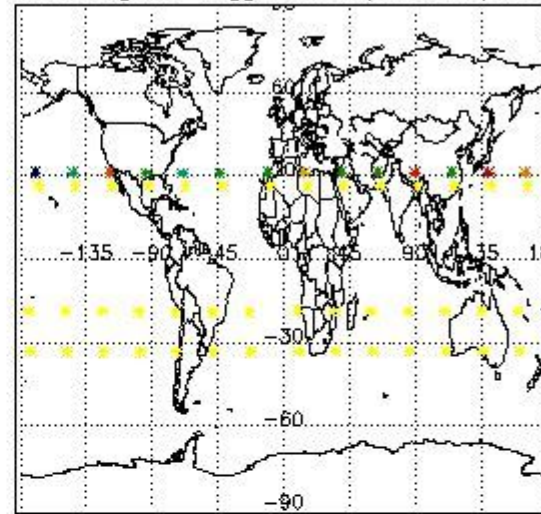


3.2 Plot quality information per product (world map)

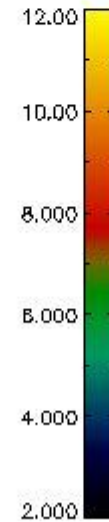
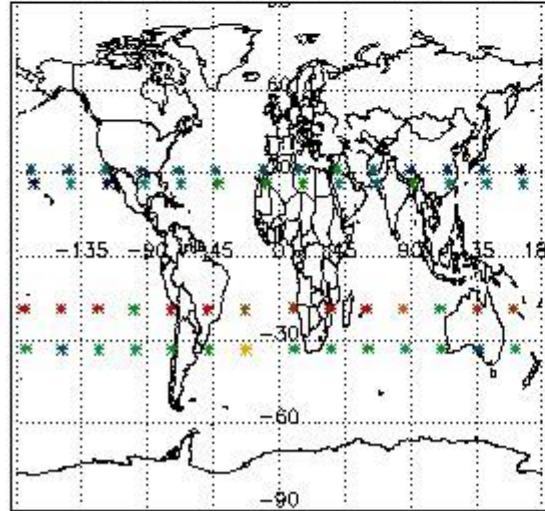
Percentage of flagged data per O3 profile



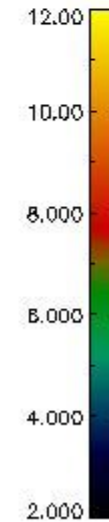
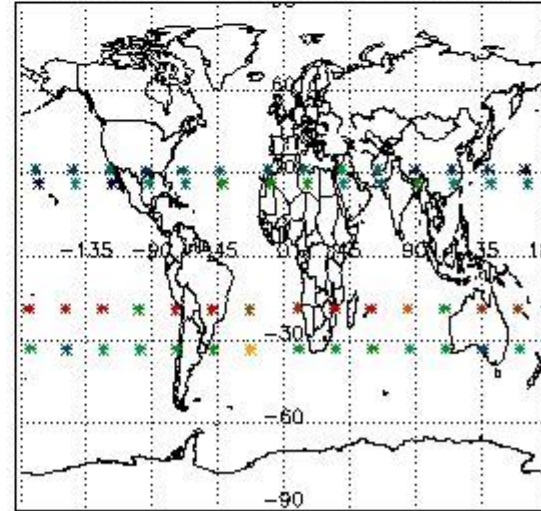
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

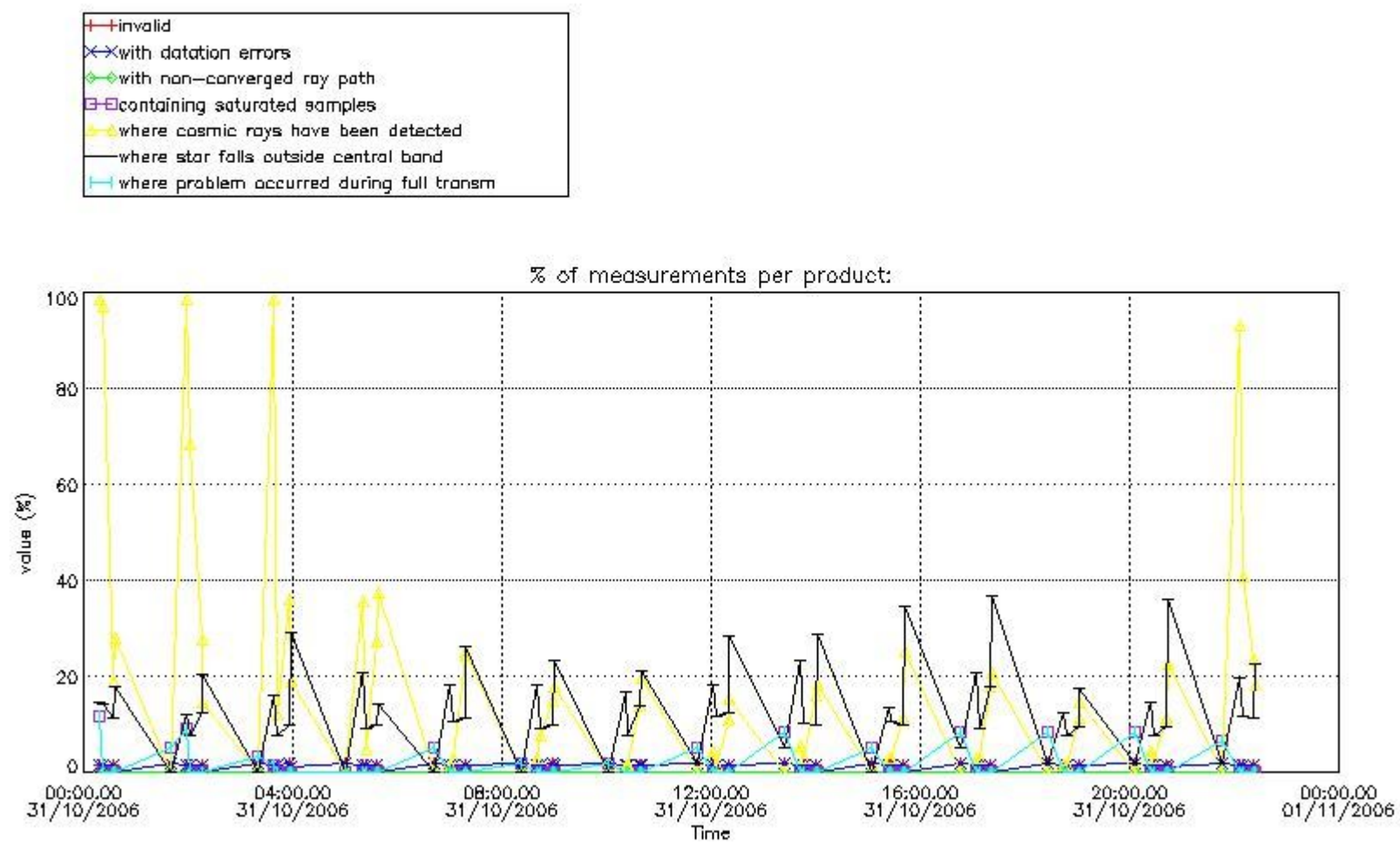


4. Level 1 quality information per product

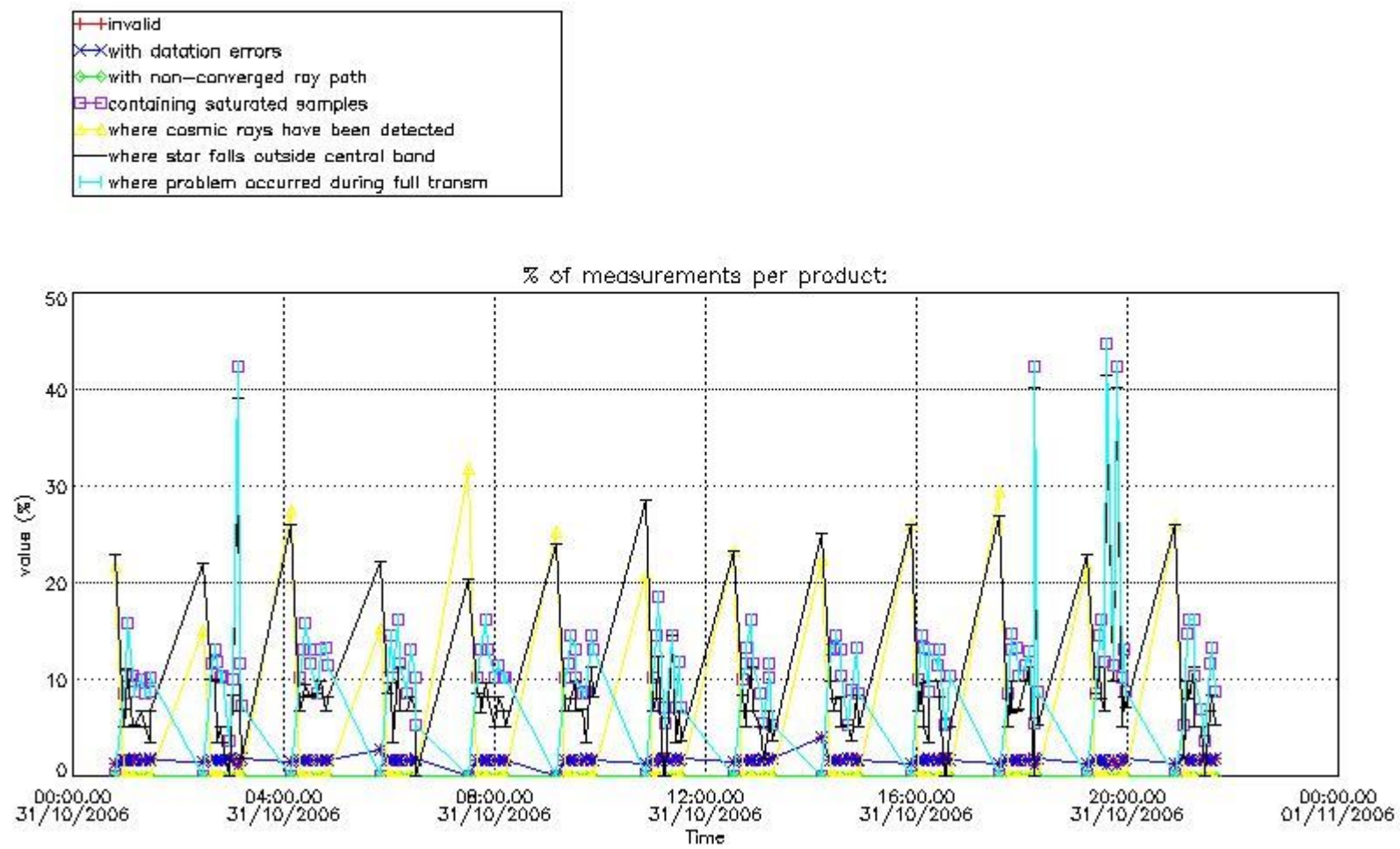
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



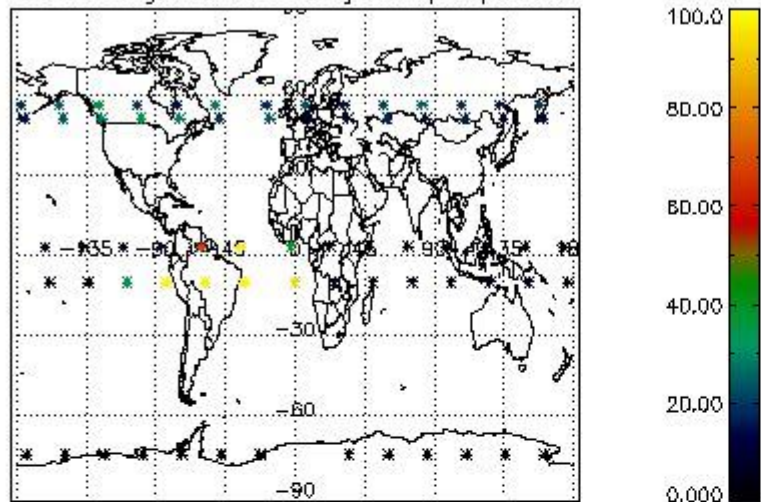
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



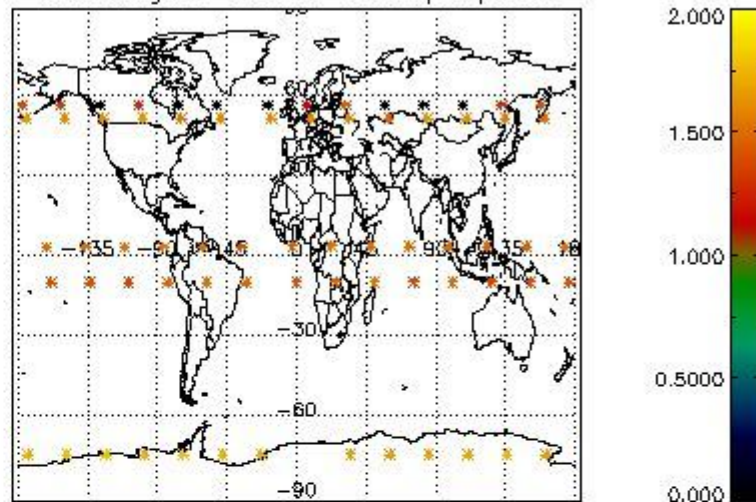
4.2 Plot quality information per product coming from level 1b processing (world map)

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

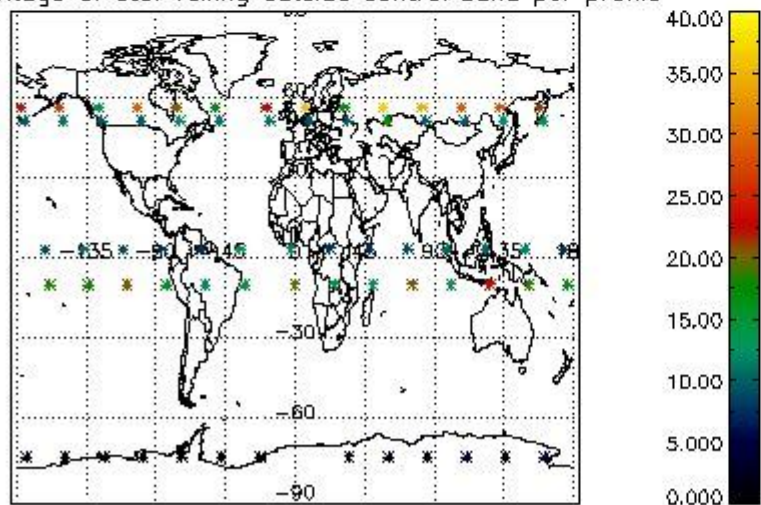
Percentage of cosmic ray hits per profile



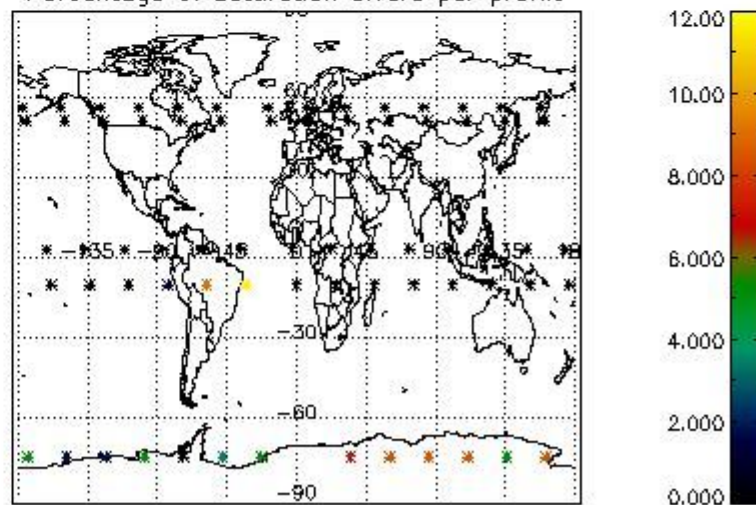
Percentage of datation errors per profile



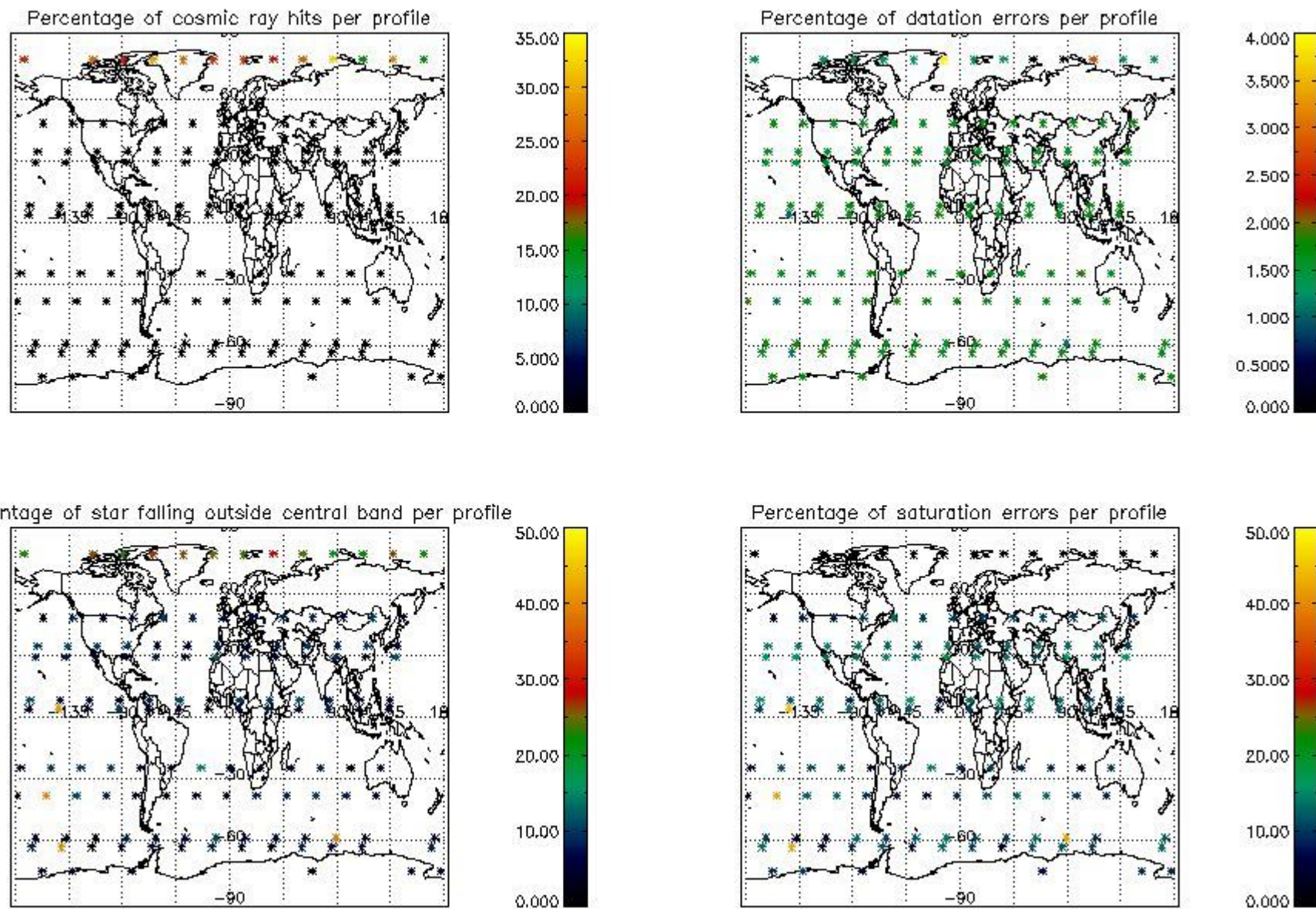
Percentage of star falling outside central band per profile



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

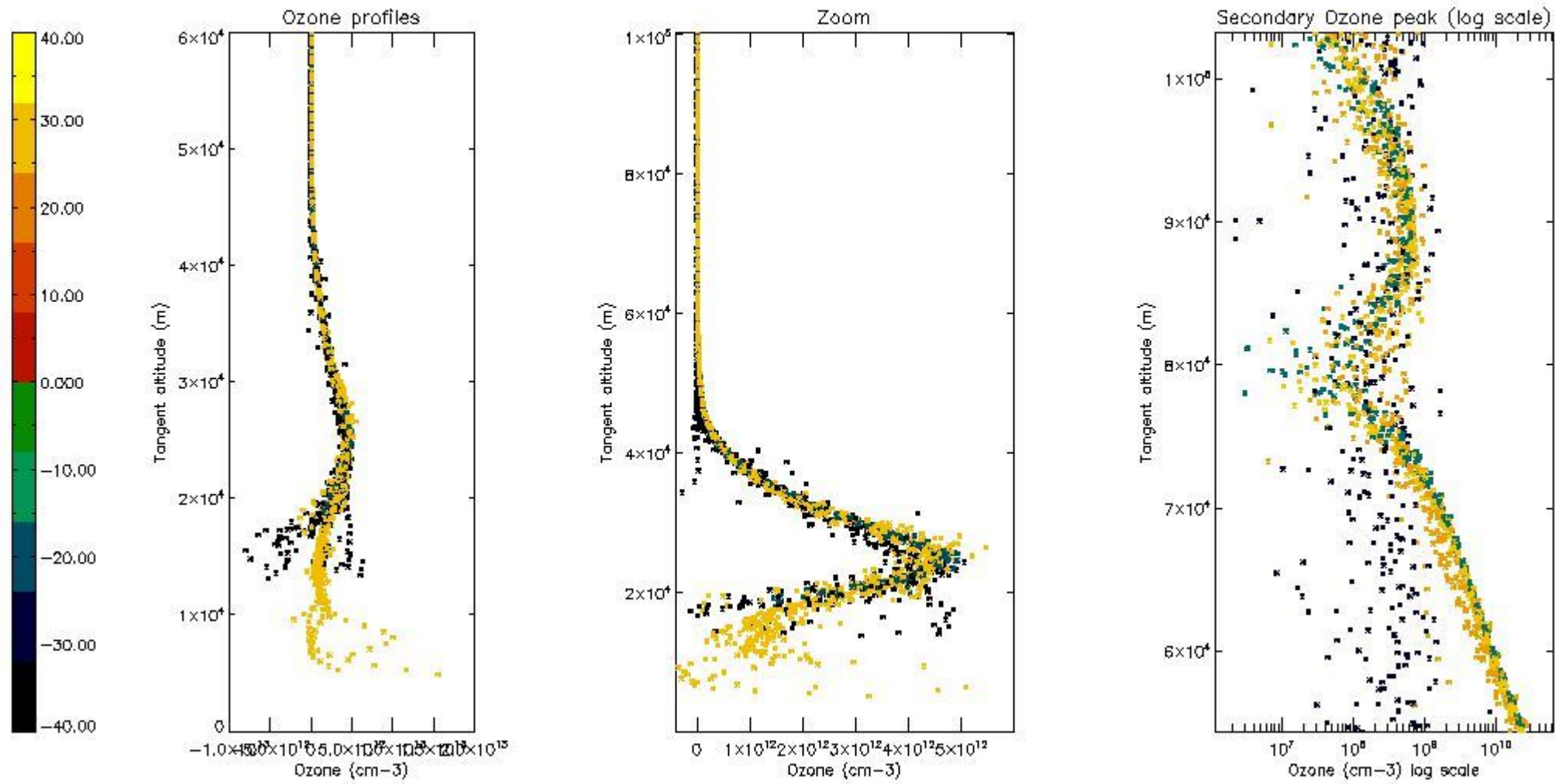
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	30
STD < 20	18

STD < 10	13
STD < 5	8

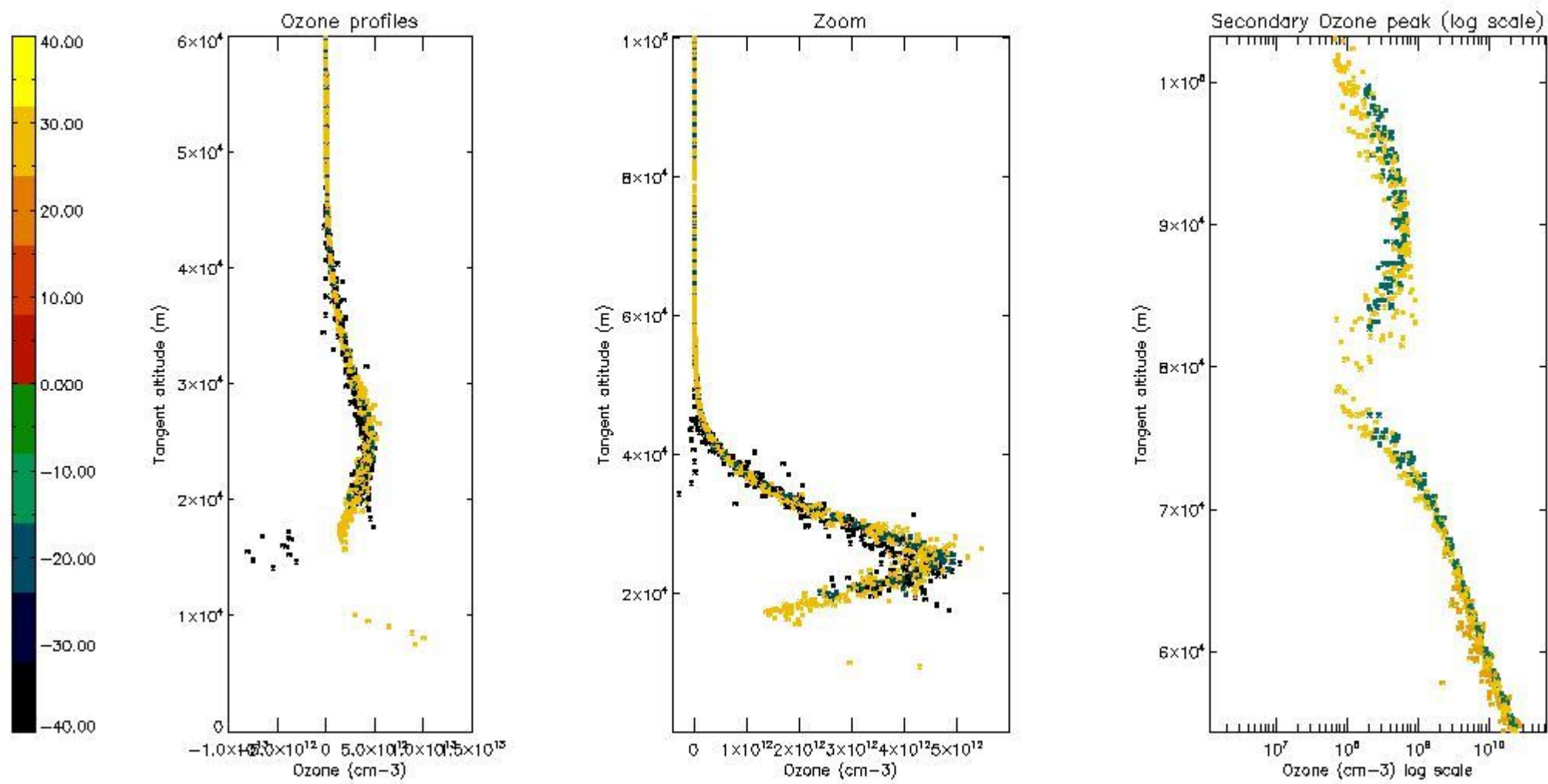
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



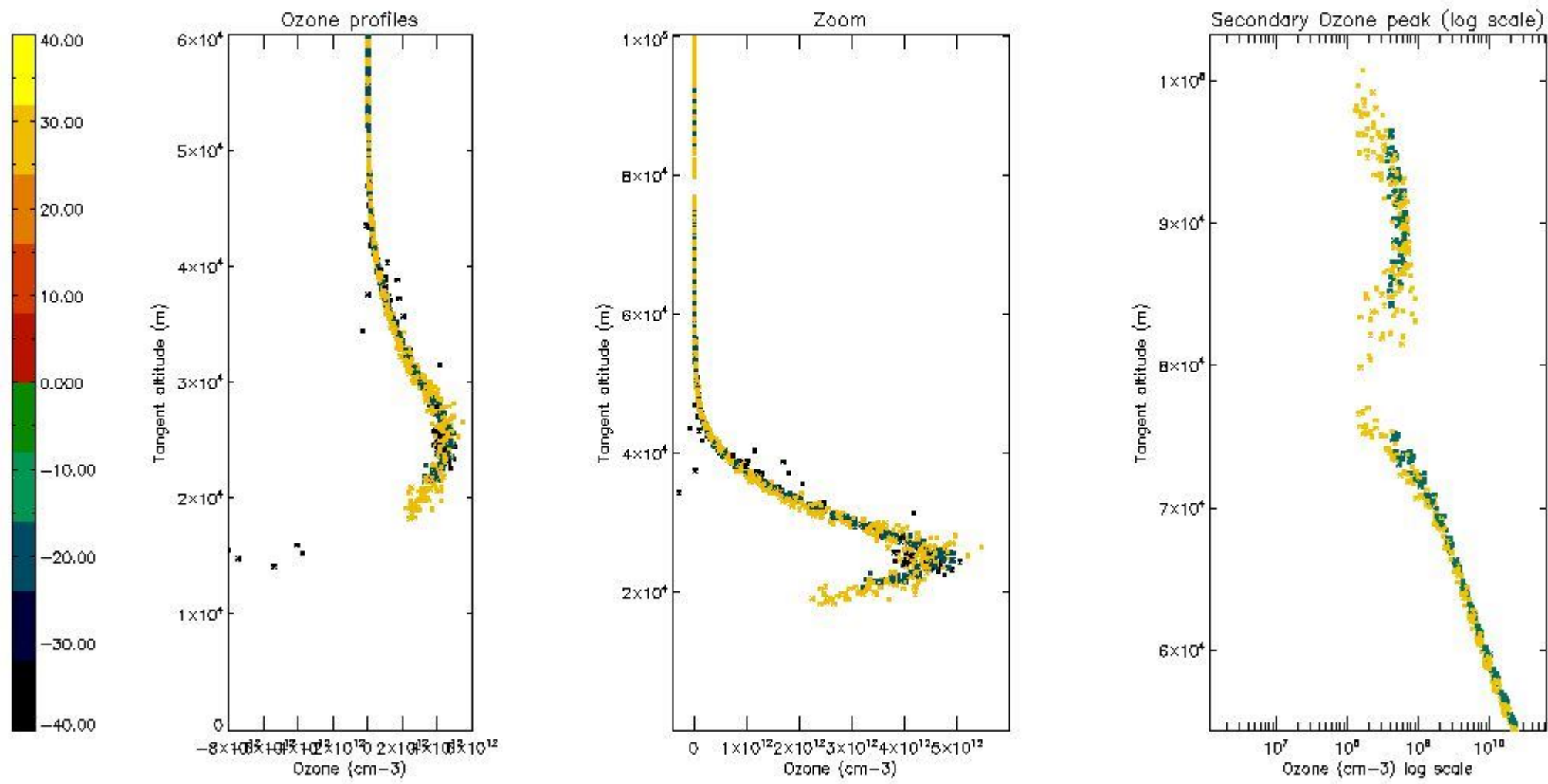
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



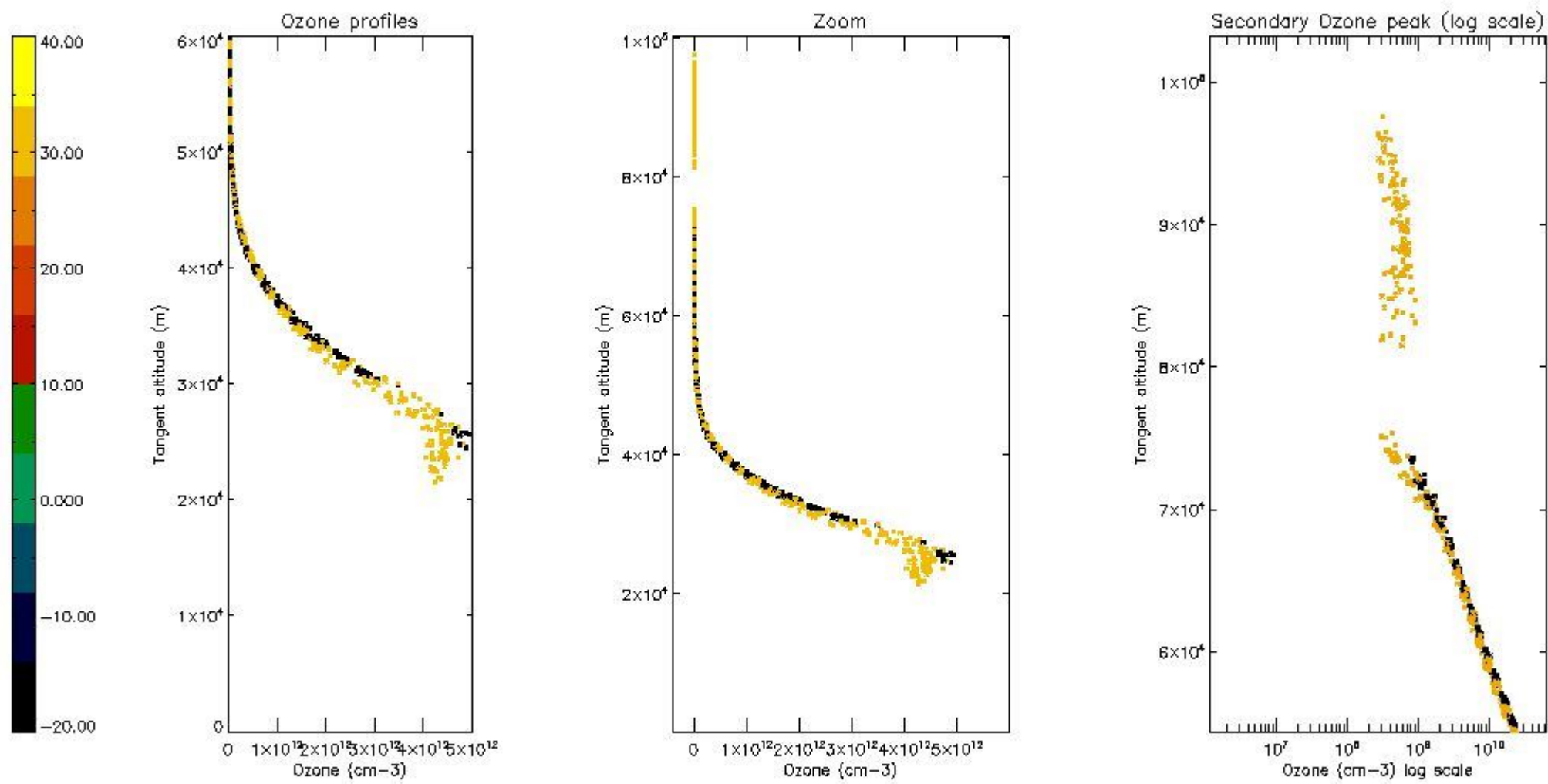
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



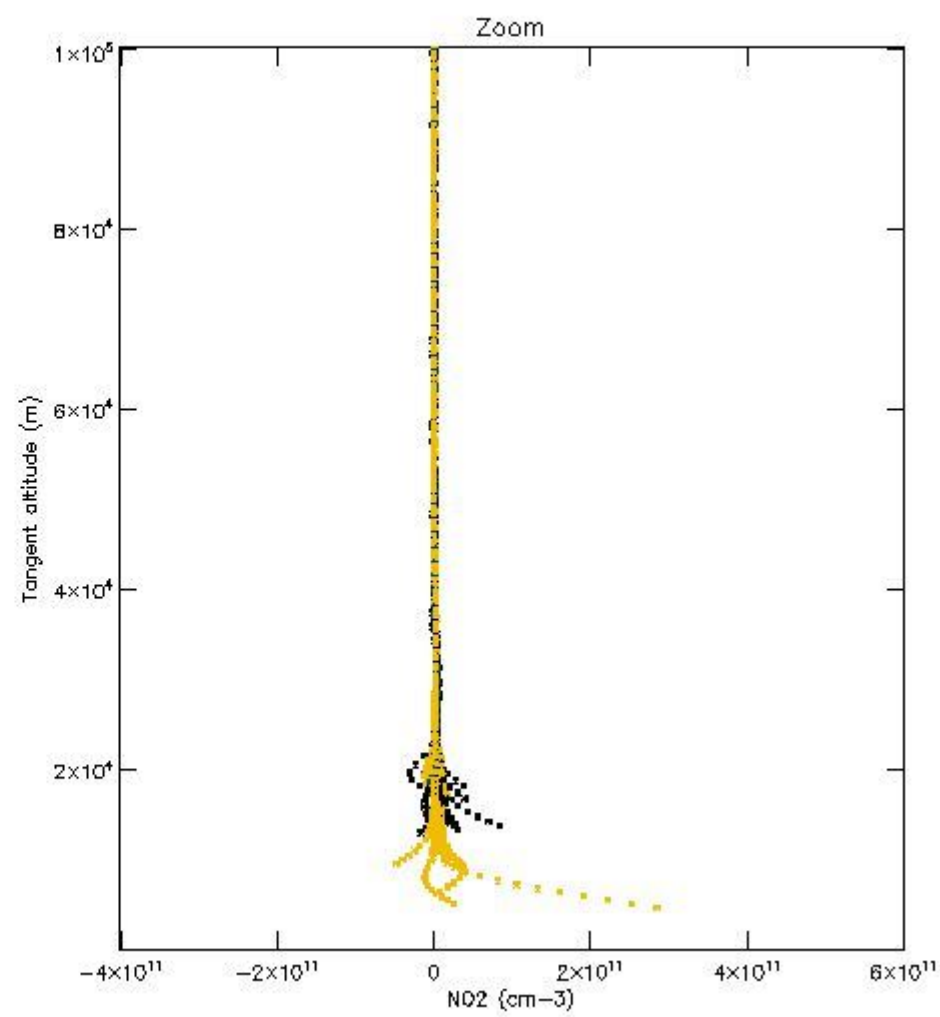
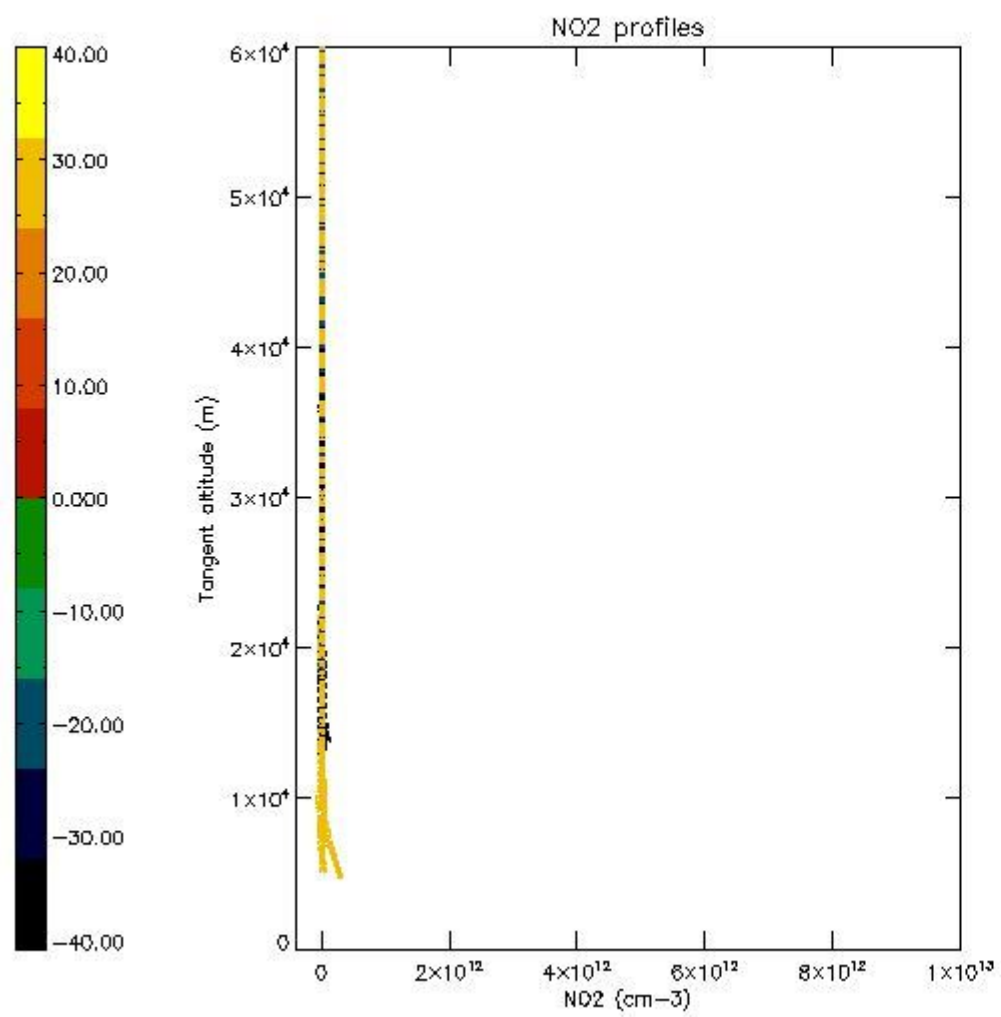
5.5 Plot ozone profiles where $STD < 5\%$ (dark without errors)

The colorbar represents the latitude.



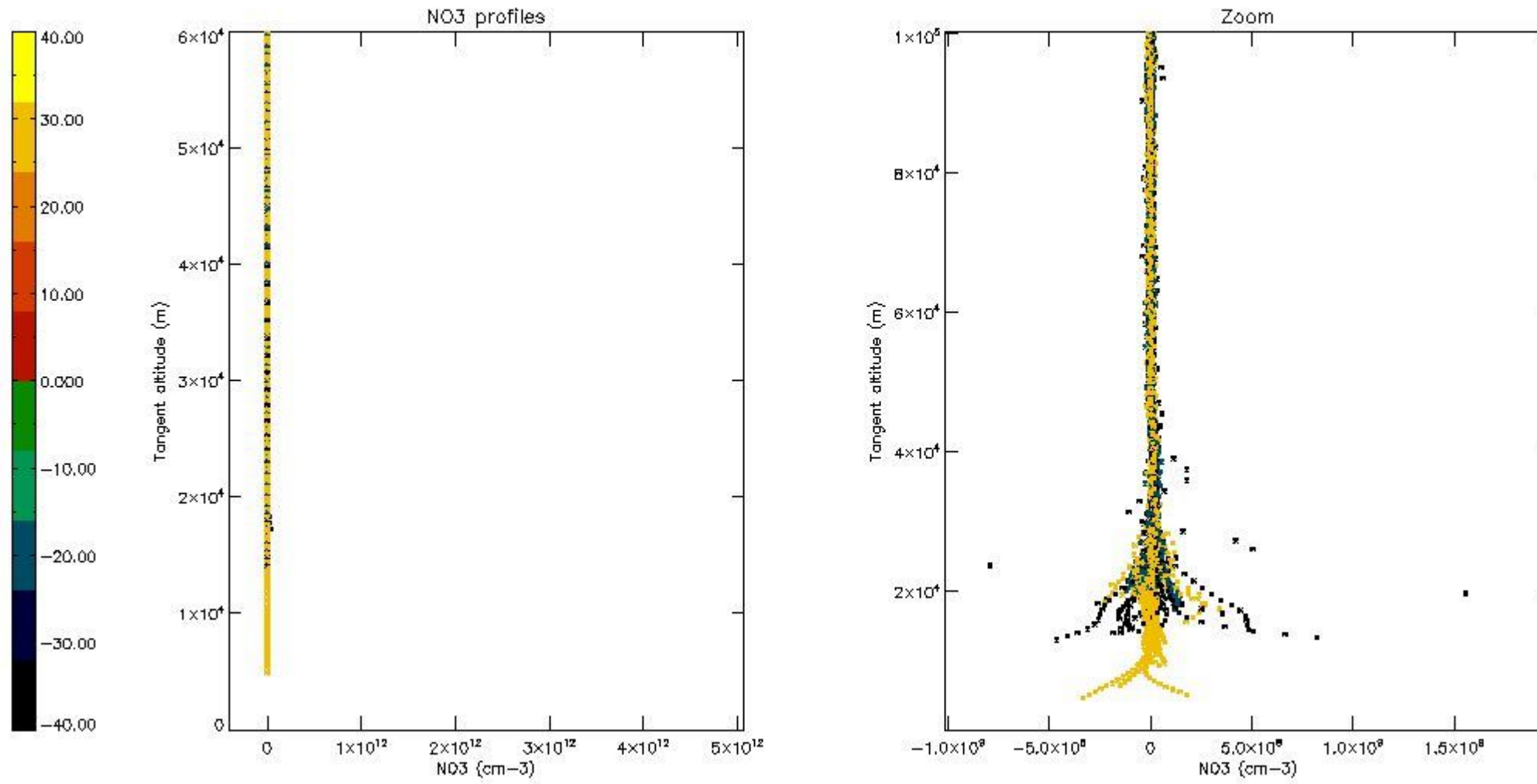
5.6 Plot NO₂ profiles for all STD (dark without errors)

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	31-OCT-2006 00:17:37
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	31-OCT-2006 00:17:37
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	31-OCT-2006 00:17:37

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 \(time dependant\)](#)

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[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](#)

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[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](#)

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

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

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

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

[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	24APR2013 05:26:53
Data source version	GOMOS/6.01
Start time of products	31-10-2006 (31OCT2006 00:00:00)
Stop time of products	01-11-2006 (01NOV2006 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	205
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

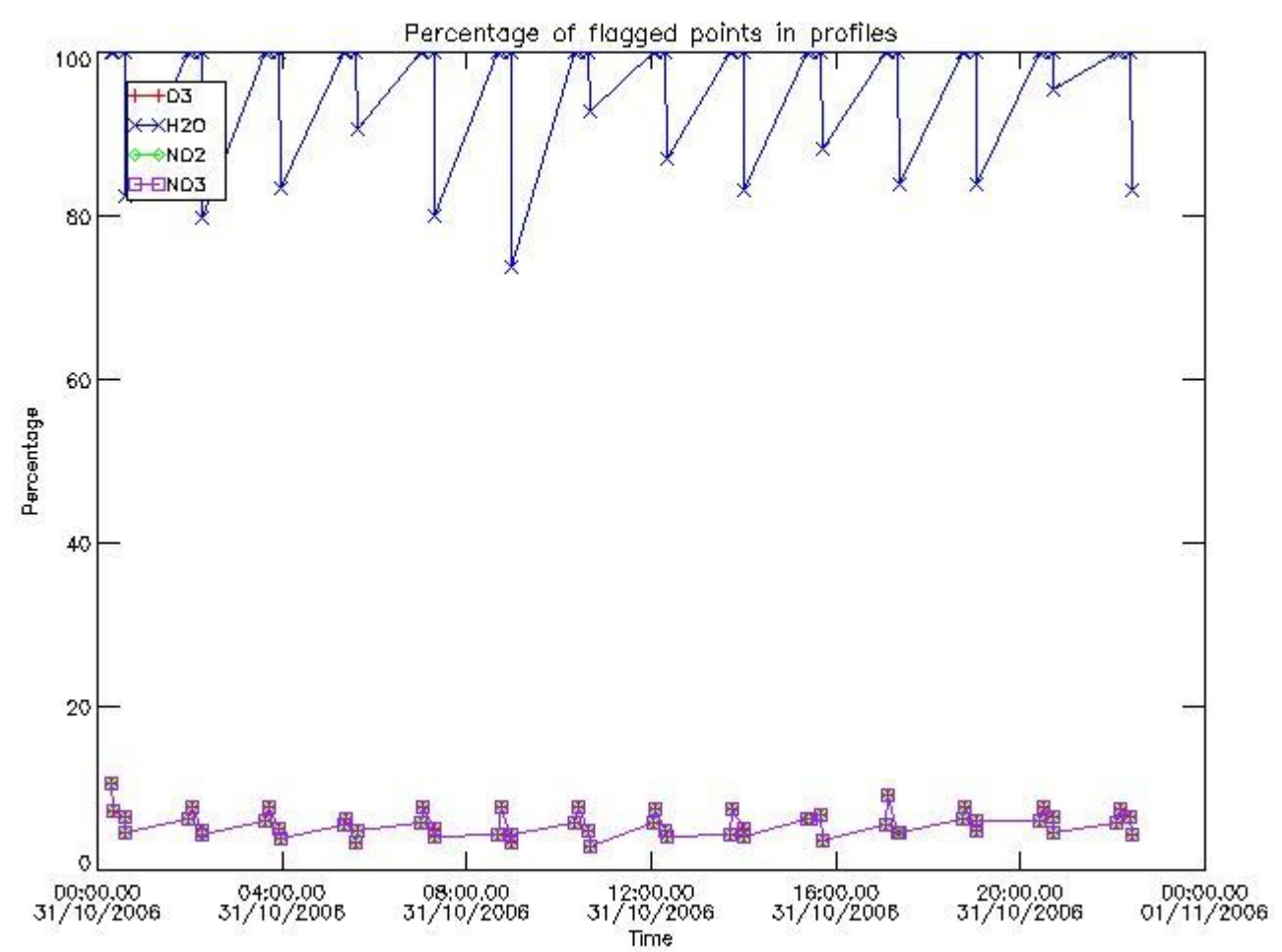
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20061031_001737_000000342052_00302_24404_3304.N1	31-OCT-2006 00:17:37	Dark	34.000	113	Mu Vel	2.6920	5000.0	68	24404	No
2	GOM_NL__2PRFIN20061031_002119_000000362052_00303_24405_3500.N1	31-OCT-2006 00:21:19	Dark	35.500	91	Kap Vel	2.4900	26000.	71	24405	No
3	GOM_NL__2PRFIN20061031_003453_000000322052_00303_24405_3501.N1	31-OCT-2006 00:34:53	Dark	31.500	143	Alp Hyi	2.8570	7200.0	63	24405	No
4	GOM_NL__2PRFIN20061031_003616_000000342052_00303_24405_3502.N1	31-OCT-2006 00:36:16	Dark	34.000	9	Alp Eri	0.45300	24000.	68	24405	No
5	GOM_NL__2PRFIN20061031_004737_000000372052_00303_24405_3503.N1	31-OCT-2006 00:47:37	Straylight	37.000	52	16Bet Cet	2.0370	4500.0	74	24405	No
6	GOM_NL__2PRFIN20061031_005707_000000292052_00303_24405_3504.N1	31-OCT-2006 00:57:07	Bright	29.000	140	88Gam Peg	2.8340	26000.	58	24405	No
7	GOM_NL__2PRFIN20061031_010059_000000292052_00303_24405_3505.N1	31-OCT-2006 01:00:59	Bright	29.000	58	21Alp And	2.0730	11000.	58	24405	No
8	GOM_NL__2PRFIN20061031_010231_000000322052_00303_24405_3506.N1	31-OCT-2006 01:02:31	Bright	31.500	53	43Bet And	2.0480	3300.0	63	24405	No
9	GOM_NL__2PRFIN20061031_010823_000000292052_00303_24405_3507.N1	31-OCT-2006 01:08:23	Bright	29.000	68	18Alp Cas	2.2250	4500.0	58	24405	No
10	GOM_NL__2PRFIN20061031_010936_000000292052_00303_24405_3508.N1	31-OCT-2006 01:09:36	Bright	28.500	76	27Gam Cas	2.3000	30000.	57	24405	No
11	GOM_NL__2PRFIN20061031_011740_000000302052_00303_24405_3509.N1	31-OCT-2006 01:17:40	Bright	30.000	49	1Alp UMi	1.9900	6300.0	60	24405	No
12	GOM_NL__2PRFIN20061031_012126_000000302052_00303_24405_3510.N1	31-OCT-2006 01:21:26	Bright	29.500	60	7Bet UMi	2.0810	3950.0	59	24405	No
13	GOM_NL__2PRFIN20061031_012721_000000292052_00303_24405_3511.N1	31-OCT-2006 01:27:21	Bright	28.500	32	77Eps UMa	1.7630	11000.	57	24405	No
14	GOM_NL__2PRFIN20061031_012837_000000302052_00303_24405_3512.N1	31-OCT-2006 01:28:37	Bright	29.500	39	85Eta UMa	1.8540	24000.	59	24405	No
15	GOM_NL__2PRFIN20061031_013938_000000292052_00303_24405_3513.N1	31-OCT-2006 01:39:38	Bright	29.000	62	94Bet Leo	2.1360	9700.0	58	24405	No
16	GOM_NL__2PRFIN20061031_015813_000000332052_00303_24405_3514.N1	31-OCT-2006 01:58:13	Dark	33.000	113	Mu Vel	2.6920	5000.0	66	24405	No
17	GOM_NL__2PRFIN20061031_020156_000000332052_00304_24406_3289.N1	31-OCT-2006 02:01:56	Dark	33.000	91	Kap Vel	2.4900	26000.	66	24406	No
18	GOM_NL__2PRFIN20061031_021529_000000332052_00304_24406_3290.N1	31-OCT-2006 02:15:29	Dark	32.500	143	Alp Hyi	2.8570	7200.0	65	24406	No
19	GOM_NL__2PRFIN20061031_021652_000000352052_00304_24406_3291.N1	31-OCT-2006 02:16:52	Dark	34.500	9	Alp Eri	0.45300	24000.	69	24406	No
20	GOM_NL__2PRFIN20061031_022813_000000372052_00304_24406_3292.N1	31-OCT-2006 02:28:13	Straylight	36.500	52	16Bet Cet	2.0370	4500.0	73	24406	No
21	GOM_NL__2PRFIN20061031_023743_000000302052_00304_24406_3293.N1	31-OCT-2006 02:37:43	Bright	30.000	140	88Gam Peg	2.8340	26000.	60	24406	No
22	GOM_NL__2PRFIN20061031_024135_000000312052_00304_24406_3294.N1	31-OCT-2006 02:41:35	Bright	30.500	58	21Alp And	2.0730	11000.	61	24406	No
23	GOM_NL__2PRFIN20061031_024307_000000302052_00304_24406_3295.N1	31-OCT-2006 02:43:07	Bright	29.500	53	43Bet And	2.0480	3300.0	59	24406	No
24	GOM_NL__2PRFIN20061031_024859_000000302052_00304_24406_3296.N1	31-OCT-2006 02:48:59	Bright	29.500	68	18Alp Cas	2.2250	4500.0	59	24406	No
25	GOM_NL__2PRFIN20061031_025011_000000292052_00304_24406_3297.N1	31-OCT-2006 02:50:11	Bright	29.000	76	27Gam Cas	2.3000	30000.	58	24406	No
26	GOM_NL__2PRFIN20061031_025815_000000272052_00304_24406_3298.N1	31-OCT-2006 02:58:15	Bright	27.000	49	1Alp UMi	1.9900	6300.0	54	24406	No
27	GOM_NL__2PRFIN20061031_030203_000000302052_00304_24406_3299.N1	31-OCT-2006 03:02:03	Bright	30.000	60	7Bet UMi	2.0810	3950.0	60	24406	No
28	GOM_NL__2PRFIN20061031_030757_000000462052_00304_24406_3300.N1	31-OCT-2006 03:07:57	Bright	46.000	32	77Eps UMa	1.7630	11000.	92	24406	No
29	GOM_NL__2PRFIN20061031_030913_000000302052_00304_24406_3301.N1	31-OCT-2006 03:09:13	Bright	30.000	39	85Eta UMa	1.8540	24000.	60	24406	No
30	GOM_NL__2PRFIN20061031_031250_000000282052_00304_24406_3302.N1	31-OCT-2006 03:12:50	Bright	27.500	152	12Alp2CVn	2.8900	11000.	55	24406	No
31	GOM_NL__2PRFIN20061031_032014_000000292052_00304_24406_3303.N1	31-OCT-2006 03:20:14	Bright	29.000	62	94Bet Leo	2.1360	9700.0	58	24406	No
32	GOM_NL__2PRFIN20061031_033850_000000342052_00304_24406_3304.N1	31-OCT-2006 03:38:50	Dark	34.000	113	Mu Vel	2.6920	5000.0	68	24406	No
33	GOM_NL__2PRFIN20061031_034232_000000332052_00305_24407_3289.N1	31-OCT-2006 03:42:32	Dark	33.000	91	Kap Vel	2.4900	26000.	66	24407	No
34	GOM_NL__2PRFIN20061031_035605_000000312052_00305_24407_3290.N1	31-OCT-2006 03:56:05	Dark	30.500	143	Alp Hyi	2.8570	7200.0	61	24407	No
35	GOM_NL__2PRFIN20061031_035728_000000402052_00305_24407_3291.N1	31-OCT-2006 03:57:28	Dark	39.500	9	Alp Eri	0.45300	24000.	79	24407	No
36	GOM_NL__2PRFIN20061031_040849_000000372052_00305_24407_3292.N1	31-OCT-2006 04:08:49	Straylight	36.500	52	16Bet Cet	2.0370	4500.0	73	24407	No
37	GOM_NL__2PRFIN20061031_041819_000000302052_00305_24407_3293.N1	31-OCT-2006 04:18:19	Bright	29.500	140	88Gam Peg	2.8340	26000.	59	24407	No
38	GOM_NL__2PRFIN20061031_042211_000000312052_00305_24407_3294.N1	31-OCT-2006 04:22:11	Bright	30.500	58	21Alp And	2.0730	11000.	61	24407	No
39	GOM_NL__2PRFIN20061031_042343_000000322052_00305_24407_3295.N1	31-OCT-2006 04:23:43	Bright	31.500	53	43Bet And	2.0480	3300.0	63	24407	No
40	GOM_NL__2PRFIN20061031_042935_000000312052_00305_24407_3296.N1	31-OCT-2006 04:29:35	Bright	30.500	68	18Alp Cas	2.2250	4500.0	61	24407	No
41	GOM_NL__2PRFIN20061031_043047_000000302052_00305_24407_3297.N1	31-OCT-2006 04:30:47	Bright	30.000	76	27Gam Cas	2.3000	30000.	60	24407	No
42	GOM_NL__2PRFIN20061031_043852_000000302052_00305_24407_3298.N1	31-OCT-2006 04:38:52	Bright	29.500	49	1Alp UMi	1.9900	6300.0	59	24407	No

161	GOM_NL__2PRFIN20061031_174830_000000312052_00313_24415_3356.N1	31-OCT-2006 17:48:30	Bright	30.500	53	43Bet And	2.0480	3300.0	61	24415	No
162	GOM_NL__2PRFIN20061031_175423_000000302052_00313_24415_3357.N1	31-OCT-2006 17:54:23	Bright	30.000	68	18Alp Cas	2.2250	4500.0	60	24415	No
163	GOM_NL__2PRFIN20061031_175534_000000292052_00313_24415_3358.N1	31-OCT-2006 17:55:34	Bright	29.000	76	27Gam Cas	2.3000	30000.	58	24415	No
164	GOM_NL__2PRFIN20061031_180339_000000312052_00313_24415_3359.N1	31-OCT-2006 18:03:39	Bright	30.500	49	1Alp UMi	1.9900	6300.0	61	24415	No
165	GOM_NL__2PRFIN20061031_180728_000000312052_00313_24415_3360.N1	31-OCT-2006 18:07:28	Bright	31.000	60	7Bet UMi	2.0810	3950.0	62	24415	No
166	GOM_NL__2PRFIN20061031_181321_000000282052_00313_24415_3361.N1	31-OCT-2006 18:13:21	Bright	27.500	32	77Eps UMa	1.7630	11000.	55	24415	No
167	GOM_NL__2PRFIN20061031_181438_000000462052_00313_24415_3362.N1	31-OCT-2006 18:14:38	Bright	46.000	39	85Eta UMa	1.8540	24000.	92	24415	No
168	GOM_NL__2PRFIN20061031_181815_000000292052_00313_24415_3363.N1	31-OCT-2006 18:18:15	Bright	28.500	152	12Alp2CVn	2.8900	11000.	57	24415	No
169	GOM_NL__2PRFIN20061031_182540_000000302052_00313_24415_3364.N1	31-OCT-2006 18:25:40	Bright	29.500	62	94Bet Leo	2.1360	9700.0	59	24415	No
170	GOM_NL__2PRFIN20061031_184417_000000332052_00313_24415_3365.N1	31-OCT-2006 18:44:17	Dark	32.500	113	Mu Vel	2.6920	5000.0	65	24415	No
171	GOM_NL__2PRFIN20061031_184801_000000332052_00314_24416_3350.N1	31-OCT-2006 18:48:01	Dark	33.000	91	Kap Vel	2.4900	26000.	66	24416	No
172	GOM_NL__2PRFIN20061031_190130_000000322052_00314_24416_3351.N1	31-OCT-2006 19:01:30	Dark	31.500	143	Alp Hyi	2.8570	7200.0	63	24416	No
173	GOM_NL__2PRFIN20061031_190253_000000352052_00314_24416_3352.N1	31-OCT-2006 19:02:53	Dark	34.500	9	Alp Eri	0.45300	24000.	69	24416	No
174	GOM_NL__2PRFIN20061031_191414_000000372052_00314_24416_3353.N1	31-OCT-2006 19:14:14	Straylight	37.000	52	16Bet Cet	2.0370	4500.0	74	24416	No
175	GOM_NL__2PRFIN20061031_192345_000000302052_00314_24416_3354.N1	31-OCT-2006 19:23:45	Bright	29.500	140	88Gam Peg	2.8340	26000.	59	24416	No
176	GOM_NL__2PRFIN20061031_192736_000000312052_00314_24416_3355.N1	31-OCT-2006 19:27:36	Bright	31.000	58	21Alp And	2.0730	11000.	62	24416	No
177	GOM_NL__2PRFIN20061031_192906_000000312052_00314_24416_3356.N1	31-OCT-2006 19:29:06	Bright	31.000	53	43Bet And	2.0480	3300.0	62	24416	No
178	GOM_NL__2PRFIN20061031_193459_000000302052_00314_24416_3357.N1	31-OCT-2006 19:34:59	Bright	29.500	68	18Alp Cas	2.2250	4500.0	59	24416	No
179	GOM_NL__2PRFIN20061031_193610_000000472052_00314_24416_3358.N1	31-OCT-2006 19:36:10	Bright	47.000	76	27Gam Cas	2.3000	30000.	94	24416	No
180	GOM_NL__2PRFIN20061031_194415_000000312052_00314_24416_3359.N1	31-OCT-2006 19:44:15	Bright	30.500	49	1Alp UMi	1.9900	6300.0	61	24416	No
181	GOM_NL__2PRFIN20061031_194804_000000462052_00314_24416_3360.N1	31-OCT-2006 19:48:04	Bright	46.000	60	7Bet UMi	2.0810	3950.0	92	24416	No
182	GOM_NL__2PRFIN20061031_195357_000000302052_00314_24416_3361.N1	31-OCT-2006 19:53:57	Bright	29.500	32	77Eps UMa	1.7630	11000.	59	24416	No
183	GOM_NL__2PRFIN20061031_195514_000000312052_00314_24416_3362.N1	31-OCT-2006 19:55:14	Bright	30.500	39	85Eta UMa	1.8540	24000.	61	24416	No
184	GOM_NL__2PRFIN20061031_195851_000000292052_00314_24416_3363.N1	31-OCT-2006 19:58:51	Bright	28.500	152	12Alp2CVn	2.8900	11000.	57	24416	No
185	GOM_NL__2PRFIN20061031_200616_000000302052_00314_24416_3364.N1	31-OCT-2006 20:06:16	Bright	30.000	62	94Bet Leo	2.1360	9700.0	60	24416	No
186	GOM_NL__2PRFIN20061031_202453_000000342052_00314_24416_3365.N1	31-OCT-2006 20:24:53	Dark	34.000	113	Mu Vel	2.6920	5000.0	68	24416	No
187	GOM_NL__2PRFIN20061031_202838_000000332052_00315_24417_3350.N1	31-OCT-2006 20:28:38	Dark	33.000	91	Kap Vel	2.4900	26000.	66	24417	No
188	GOM_NL__2PRFIN20061031_204206_000000322052_00315_24417_3351.N1	31-OCT-2006 20:42:06	Dark	31.500	143	Alp Hyi	2.8570	7200.0	63	24417	No
189	GOM_NL__2PRFIN20061031_204329_000000452052_00315_24417_3352.N1	31-OCT-2006 20:43:29	Dark	44.500	9	Alp Eri	0.45300	24000.	89	24417	No
190	GOM_NL__2PRFIN20061031_205450_000000392052_00315_24417_3353.N1	31-OCT-2006 20:54:50	Straylight	38.500	52	16Bet Cet	2.0370	4500.0	77	24417	No
191	GOM_NL__2PRFIN20061031_210421_000000282052_00315_24417_3354.N1	31-OCT-2006 21:04:21	Bright	28.000	140	88Gam Peg	2.8340	26000.	56	24417	No
192	GOM_NL__2PRFIN20061031_210813_000000312052_00315_24417_3355.N1	31-OCT-2006 21:08:13	Bright	30.500	58	21Alp And	2.0730	11000.	61	24417	No
193	GOM_NL__2PRFIN20061031_210942_000000312052_00315_24417_3356.N1	31-OCT-2006 21:09:42	Bright	31.000	53	43Bet And	2.0480	3300.0	62	24417	No
194	GOM_NL__2PRFIN20061031_211535_000000312052_00315_24417_3357.N1	31-OCT-2006 21:15:35	Bright	31.000	68	18Alp Cas	2.2250	4500.0	62	24417	No
195	GOM_NL__2PRFIN20061031_211646_000000292052_00315_24417_3358.N1	31-OCT-2006 21:16:46	Bright	29.000	76	27Gam Cas	2.3000	30000.	58	24417	No
196	GOM_NL__2PRFIN20061031_212451_000000292052_00315_24417_3359.N1	31-OCT-2006 21:24:51	Bright	29.000	49	1Alp UMi	1.9900	6300.0	58	24417	No
197	GOM_NL__2PRFIN20061031_212840_000000272052_00315_24417_3360.N1	31-OCT-2006 21:28:40	Bright	27.000	60	7Bet UMi	2.0810	3950.0	54	24417	No
198	GOM_NL__2PRFIN20061031_213434_000000302052_00315_24417_3361.N1	31-OCT-2006 21:34:34	Bright	30.000	32	77Eps UMa	1.7630	11000.	60	24417	No
199	GOM_NL__2PRFIN20061031_213551_000000302052_00315_24417_3362.N1	31-OCT-2006 21:35:51	Bright	30.000	39	85Eta UMa	1.8540	24000.	60	24417	No
200	GOM_NL__2PRFIN20061031_213927_000000292052_00315_24417_3363.N1	31-OCT-2006 21:39:27	Bright	28.500	152	12Alp2CVn	2.8900	11000.	57	24417	No
201	GOM_NL__2PRFIN20061031_214652_000000302052_00315_24417_3364.N1	31-OCT-2006 21:46:52	Bright	30.000	62	94Bet Leo	2.1360	9700.0	60	24417	No
202	GOM_NL__2PRFIN20061031_220530_000000362052_00315_24417_3365.N1	31-OCT-2006 22:05:30	Dark	35.500	113	Mu Vel	2.6920	5000.0	71	24417	No
203	GOM_NL__2PRFIN20061031_220914_000000352052_00316_24418_3350.N1	31-OCT-2006 22:09:14	Dark	34.500	91	Kap Vel	2.4900	26000.	69	24418	No
204	GOM_NL__2PRFIN20061031_222242_000000322052_00316_24418_3351.N1	31-OCT-2006 22:22:42	Dark	31.500	143	Alp Hyi	2.8570	7200.0	63	24418	No
205	GOM_NL__2PRFIN20061031_222406_000000362052_00316_24418_3352.N1	31-OCT-2006 22:24:06	Dark	35.500	9	Alp Eri	0.45300	24000.	71	24418	No

3. Quality information per product

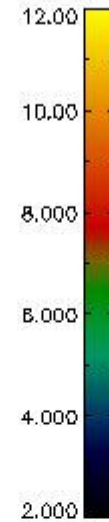
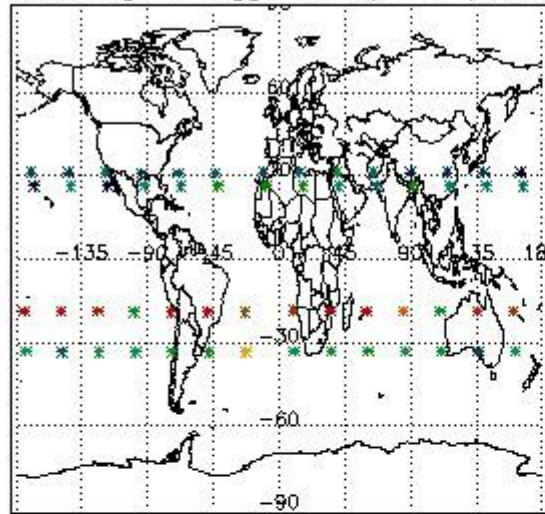
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

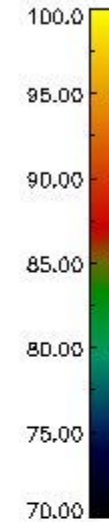
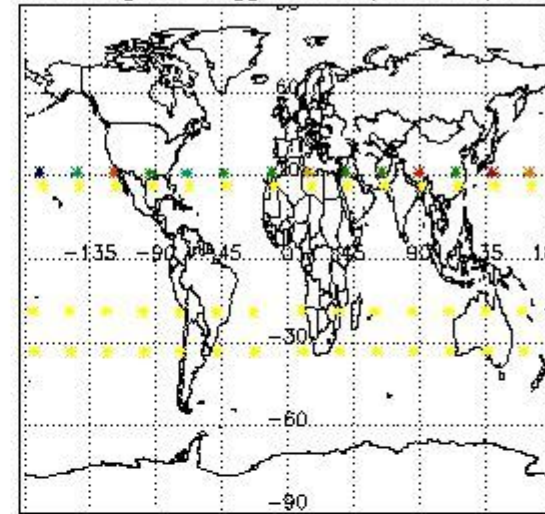


3.2 Plot quality information per product (world map)

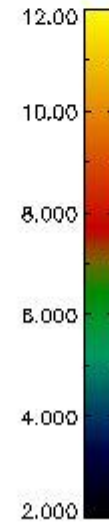
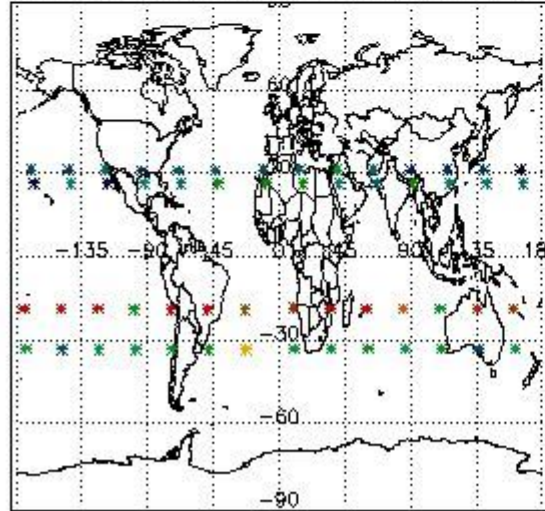
Percentage of flagged data per O3 profile



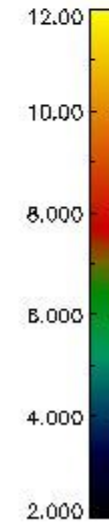
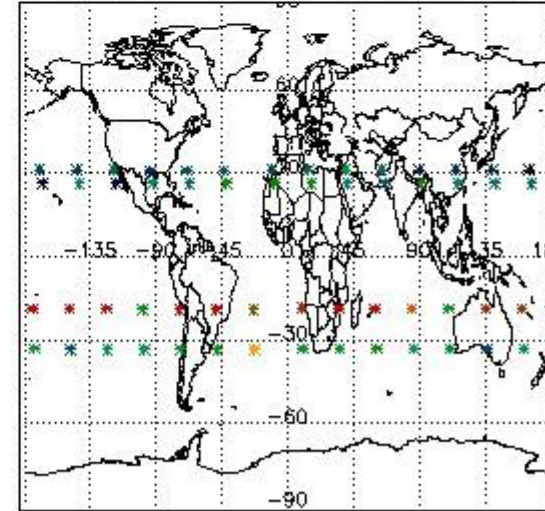
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

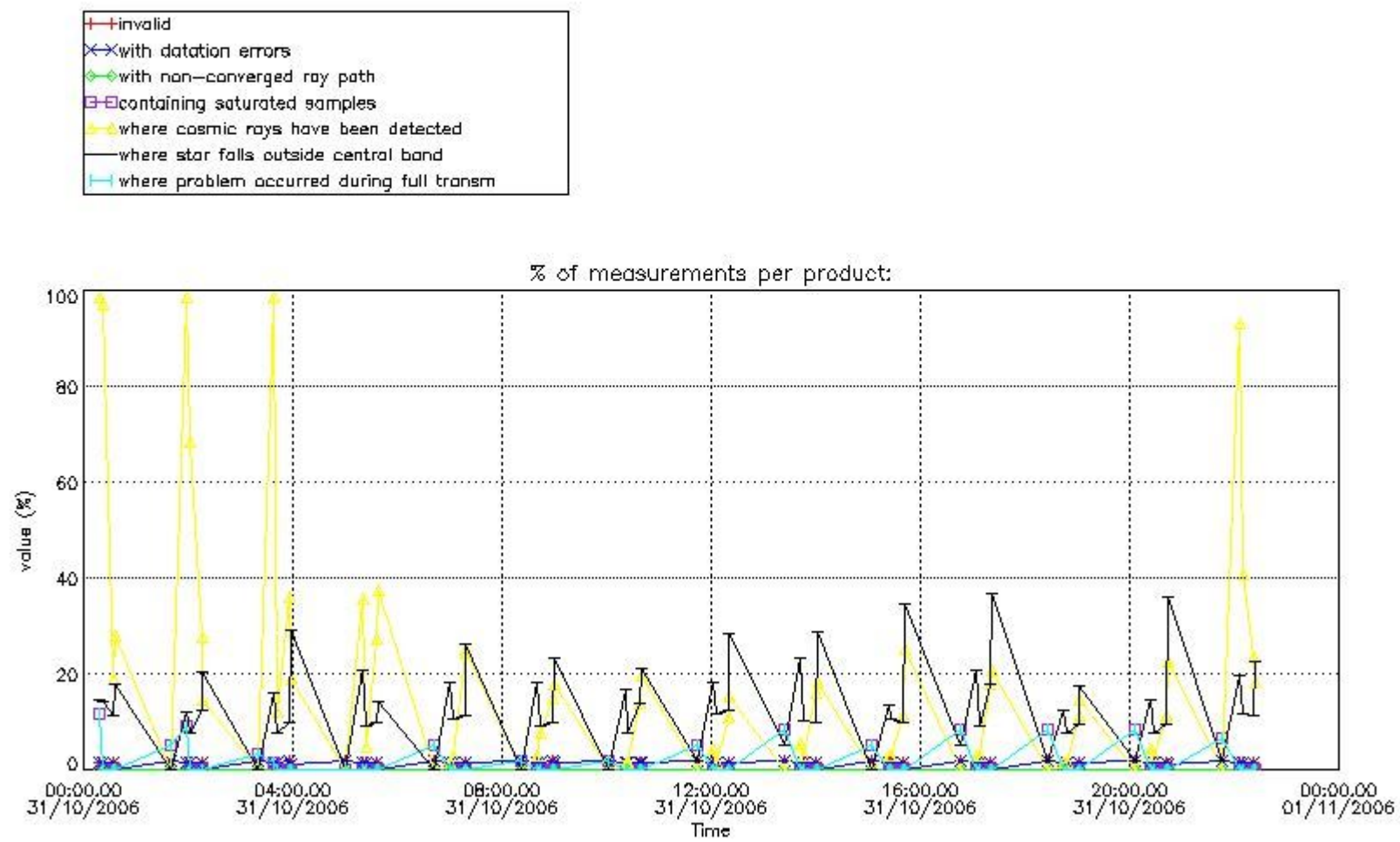


4. Level 1 quality information per product

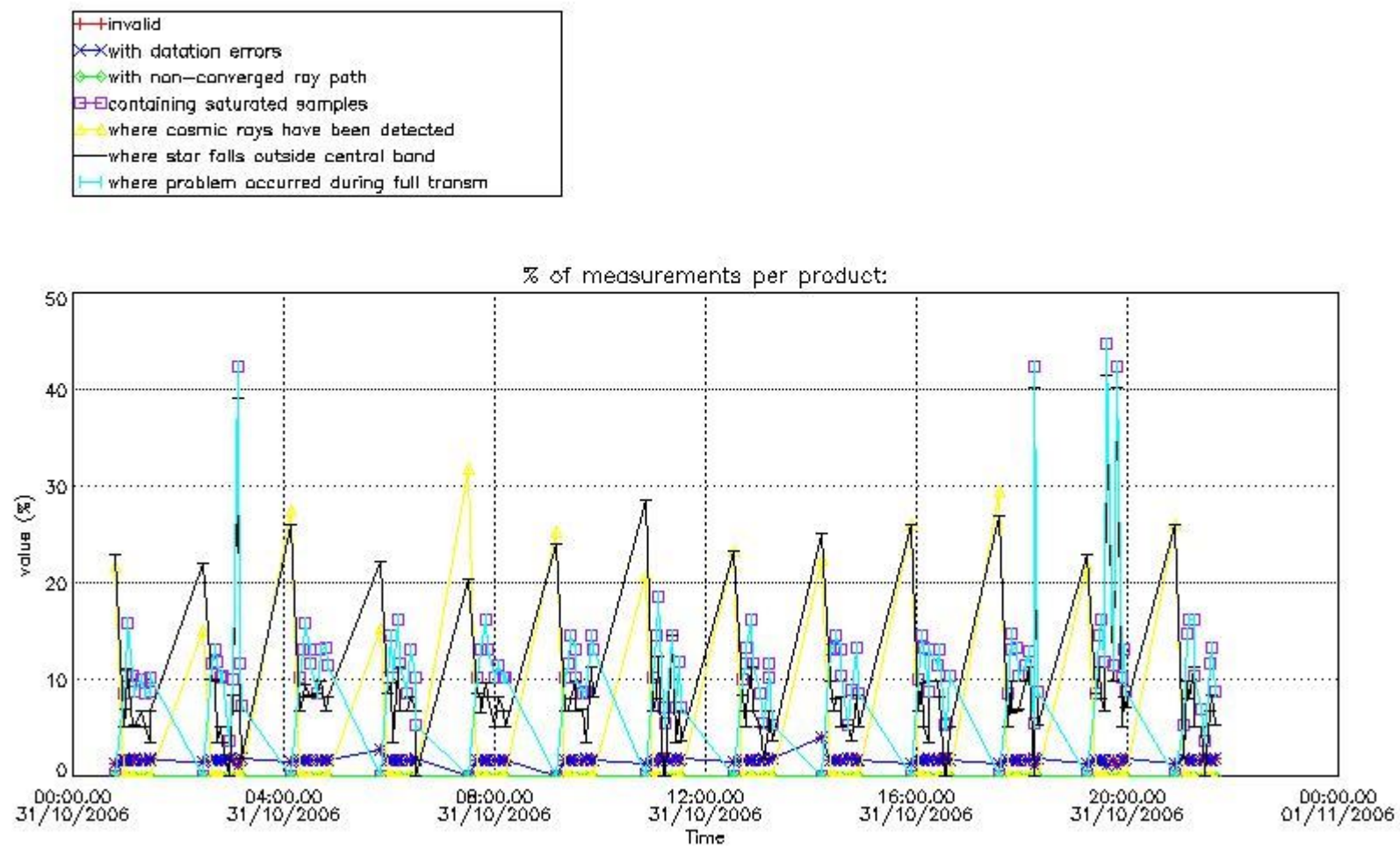
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



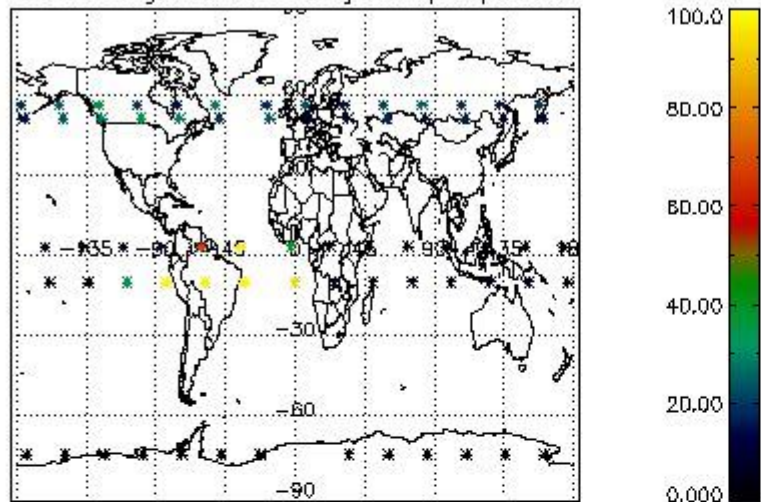
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



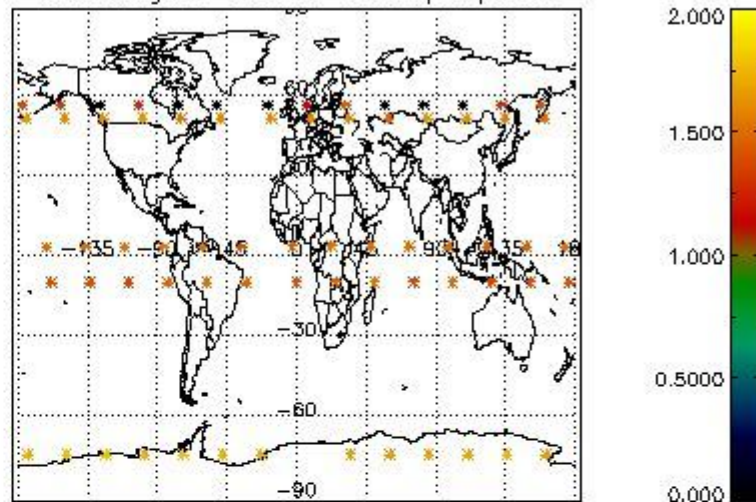
4.2 Plot quality information per product coming from level 1b processing (world map)

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

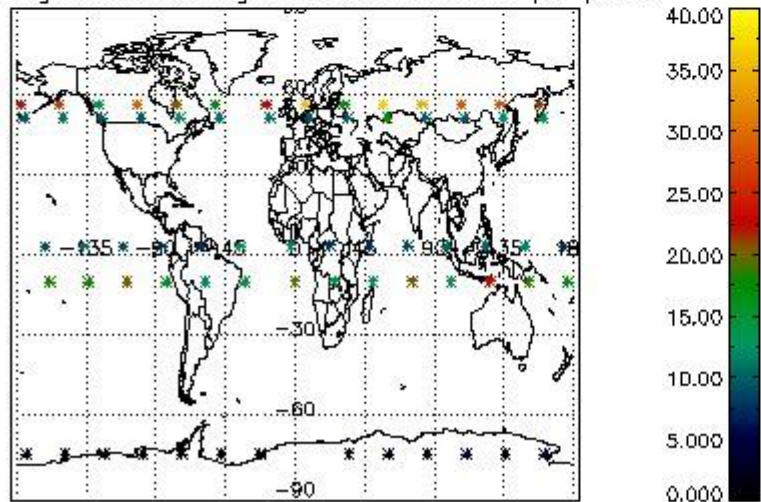
Percentage of cosmic ray hits per profile



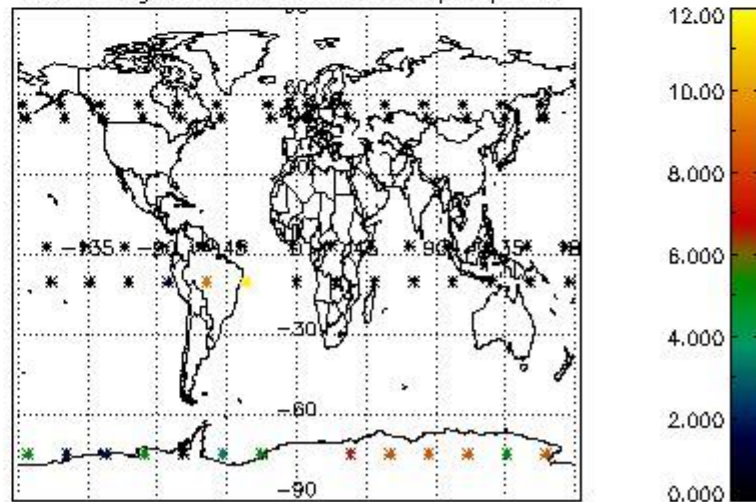
Percentage of datation errors per profile



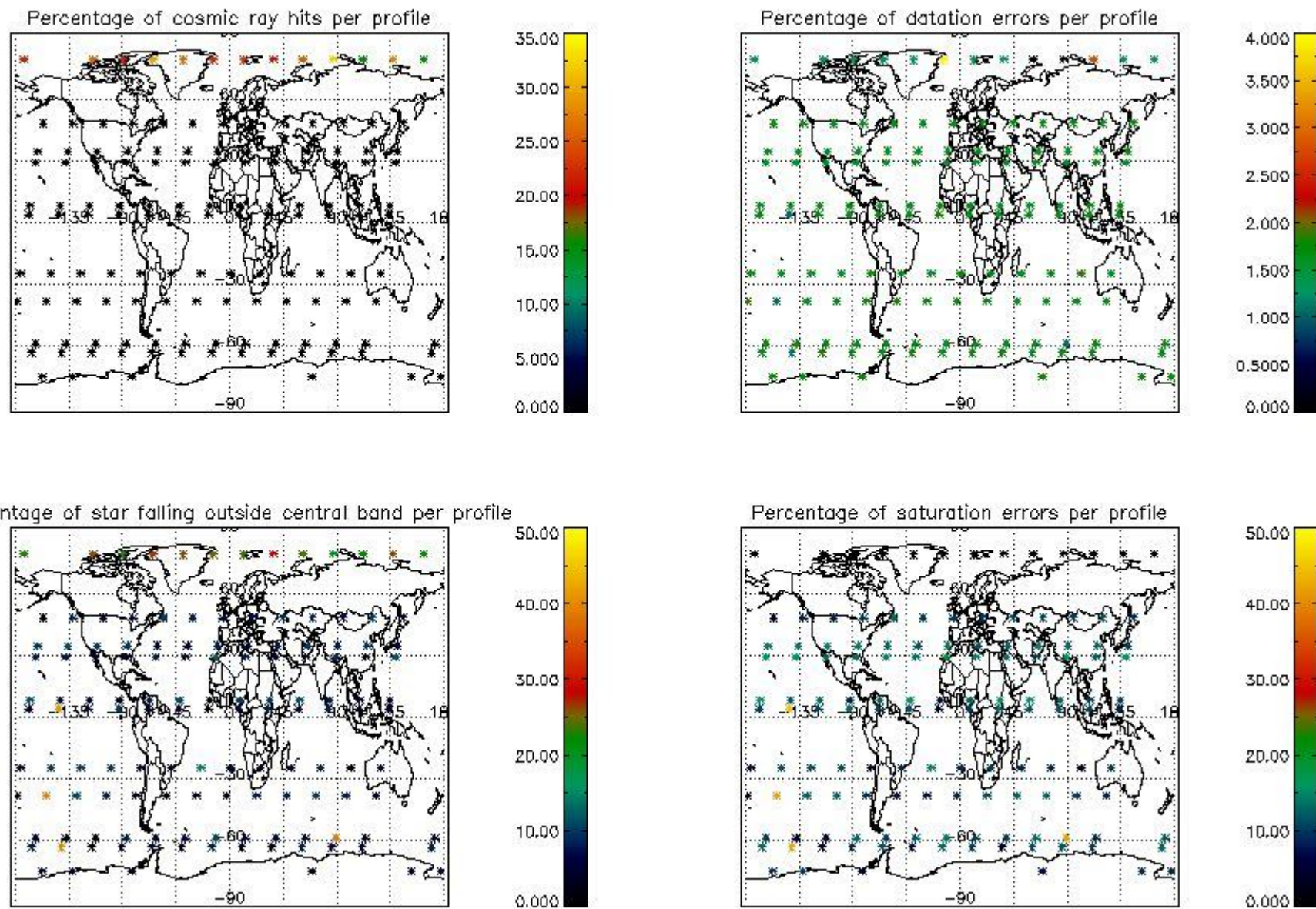
Percentage of star falling outside central band per profile



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

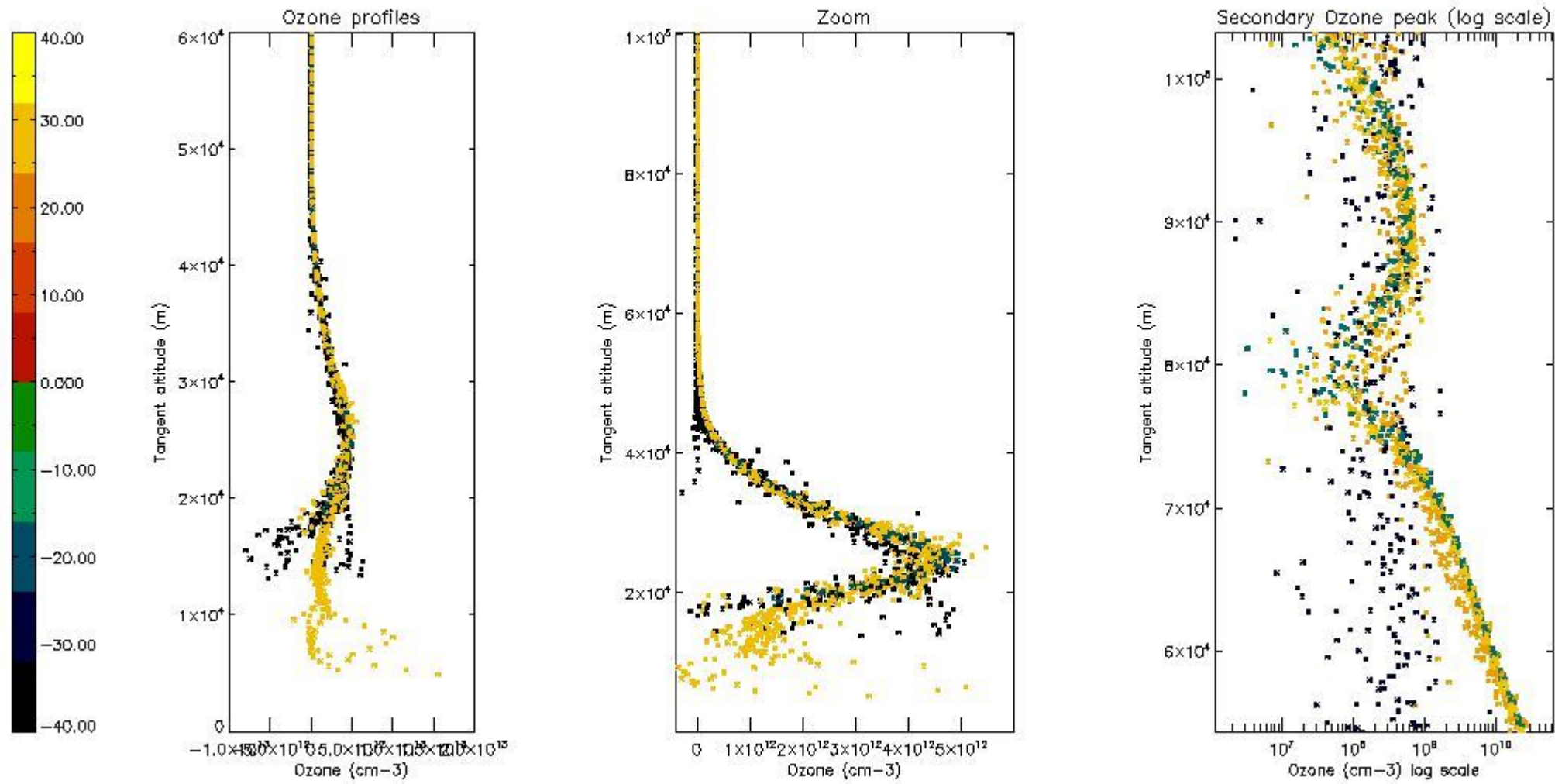
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	30
STD < 20	18

STD < 10	13
STD < 5	8

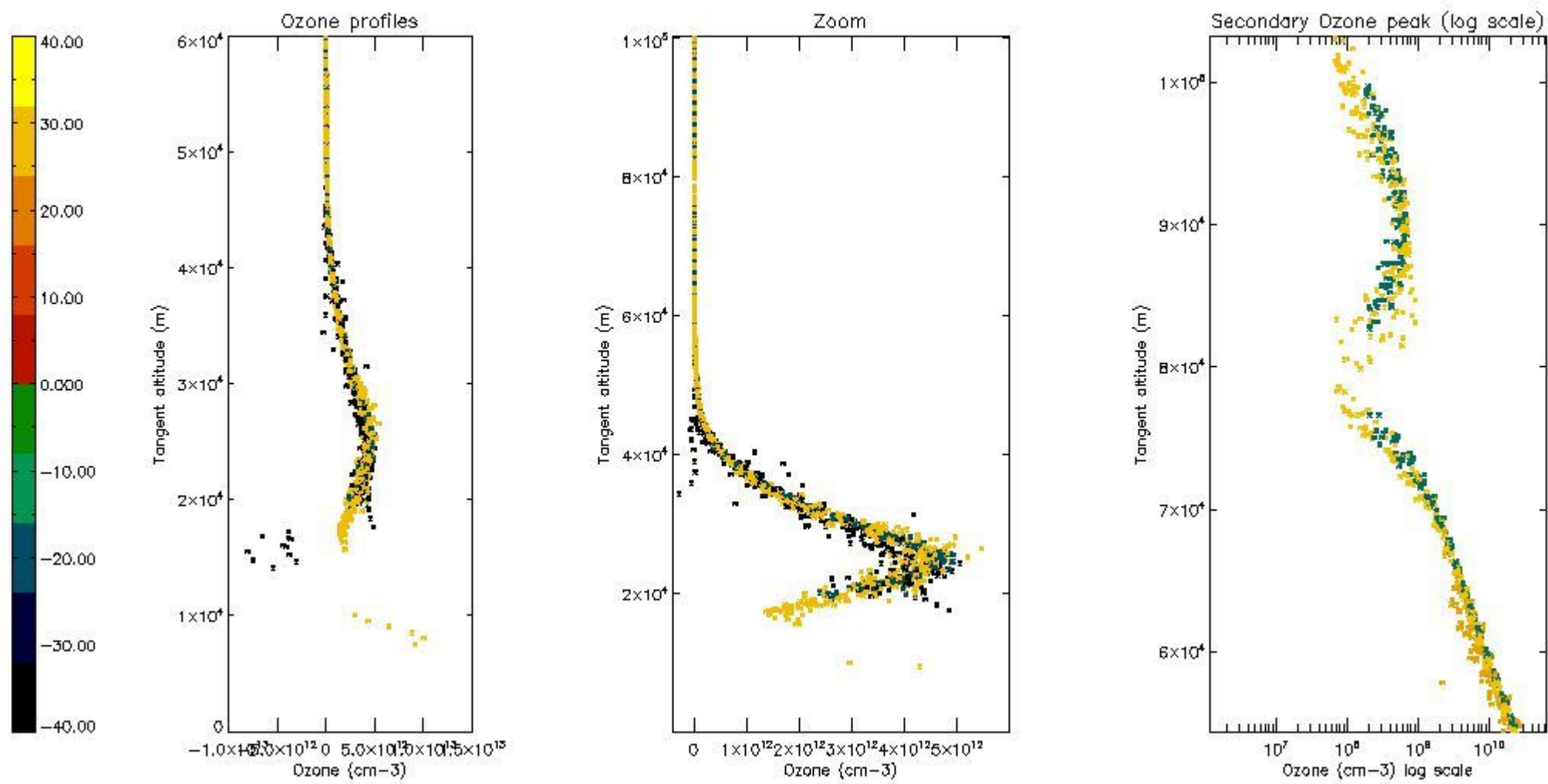
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



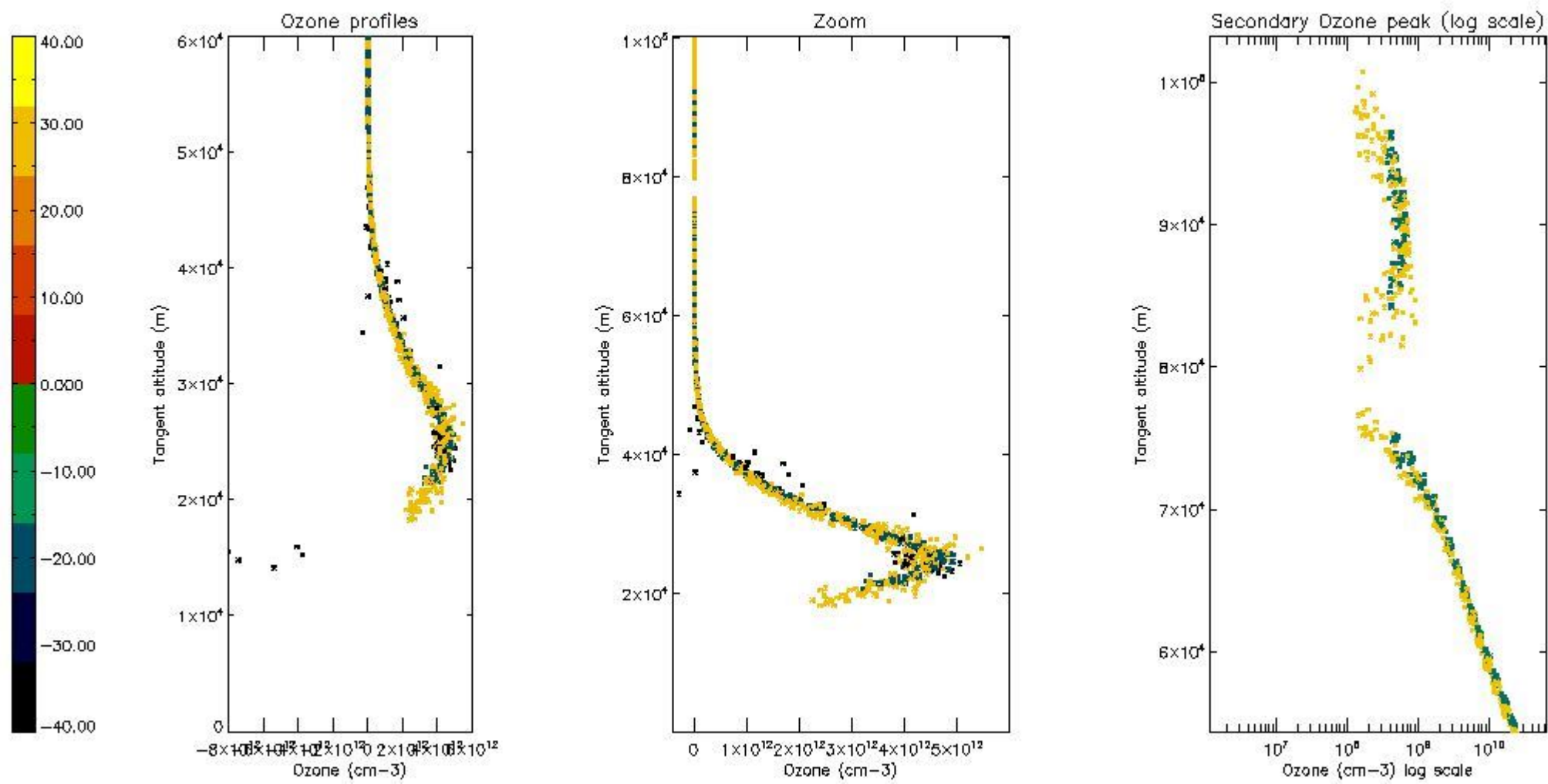
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



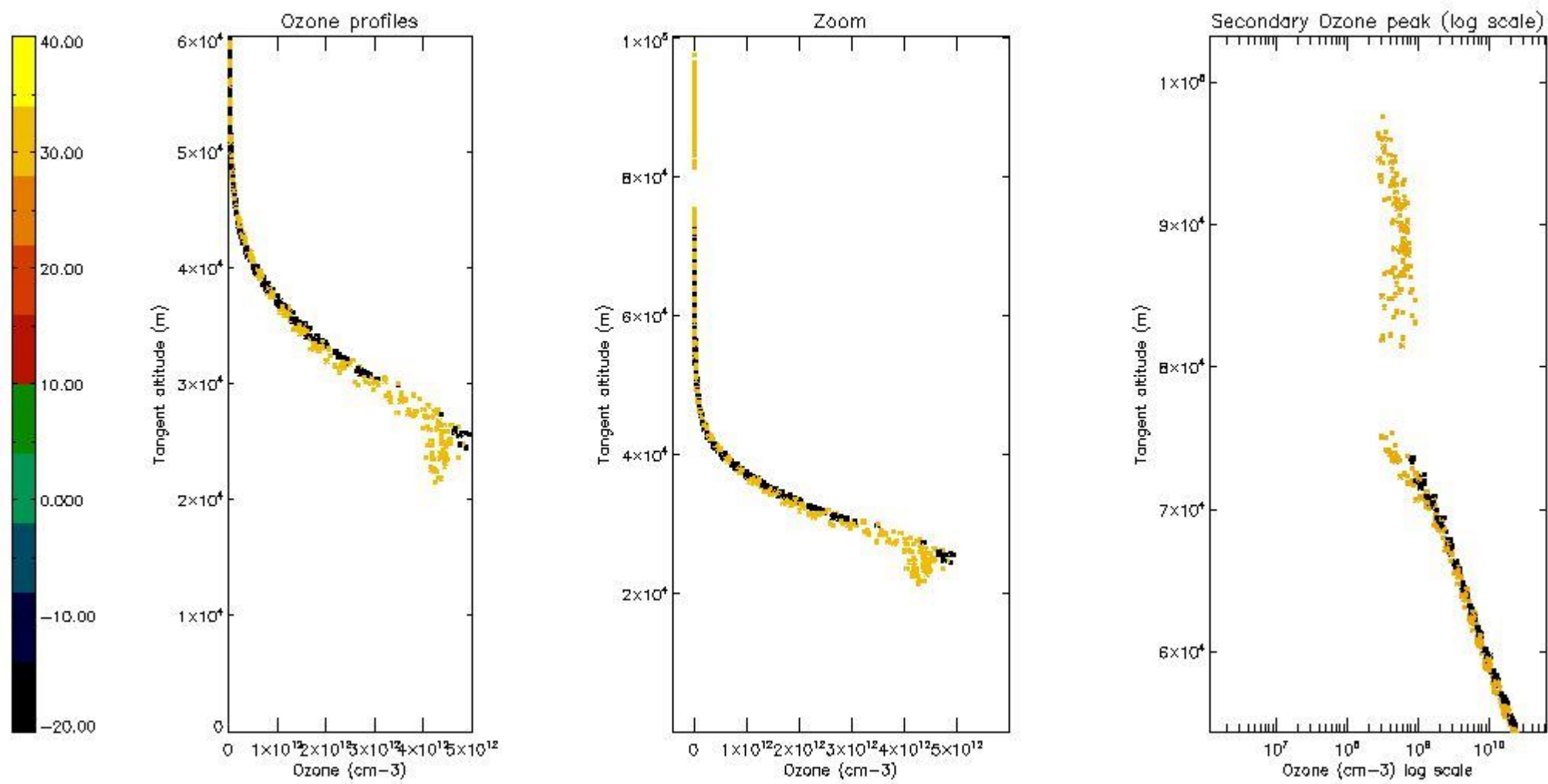
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



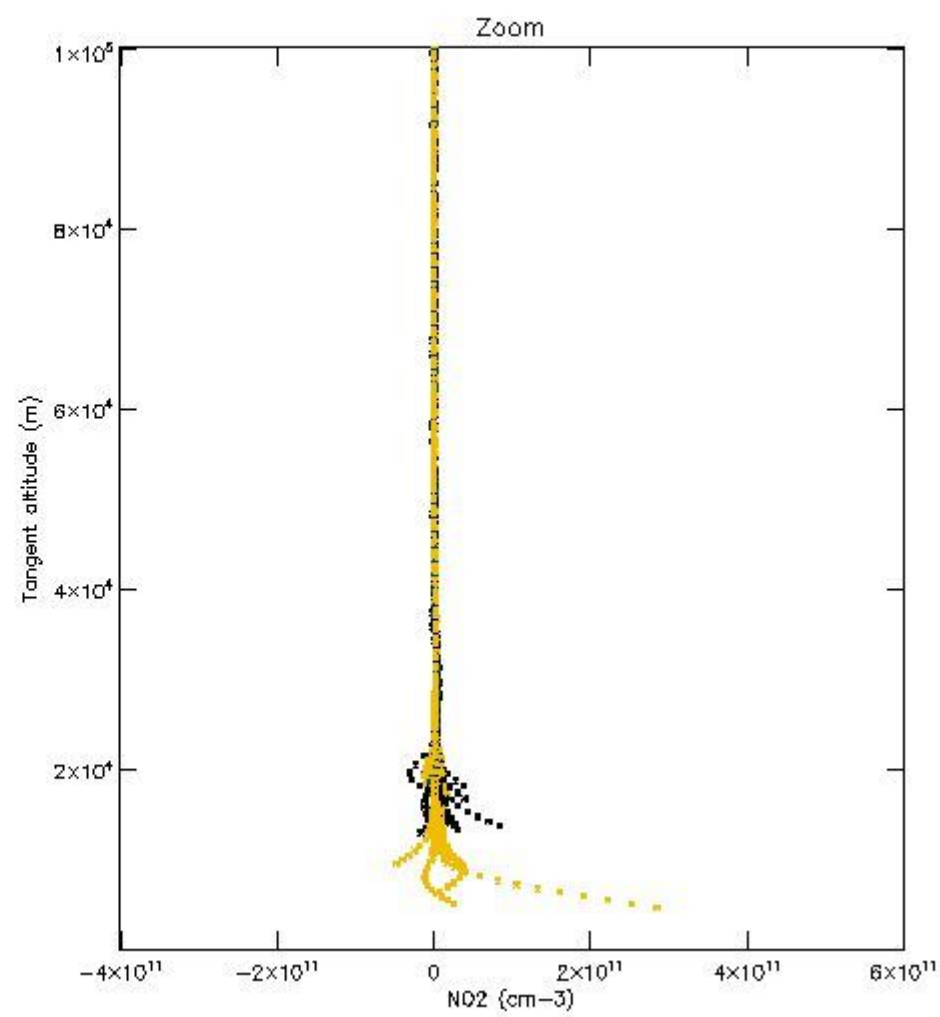
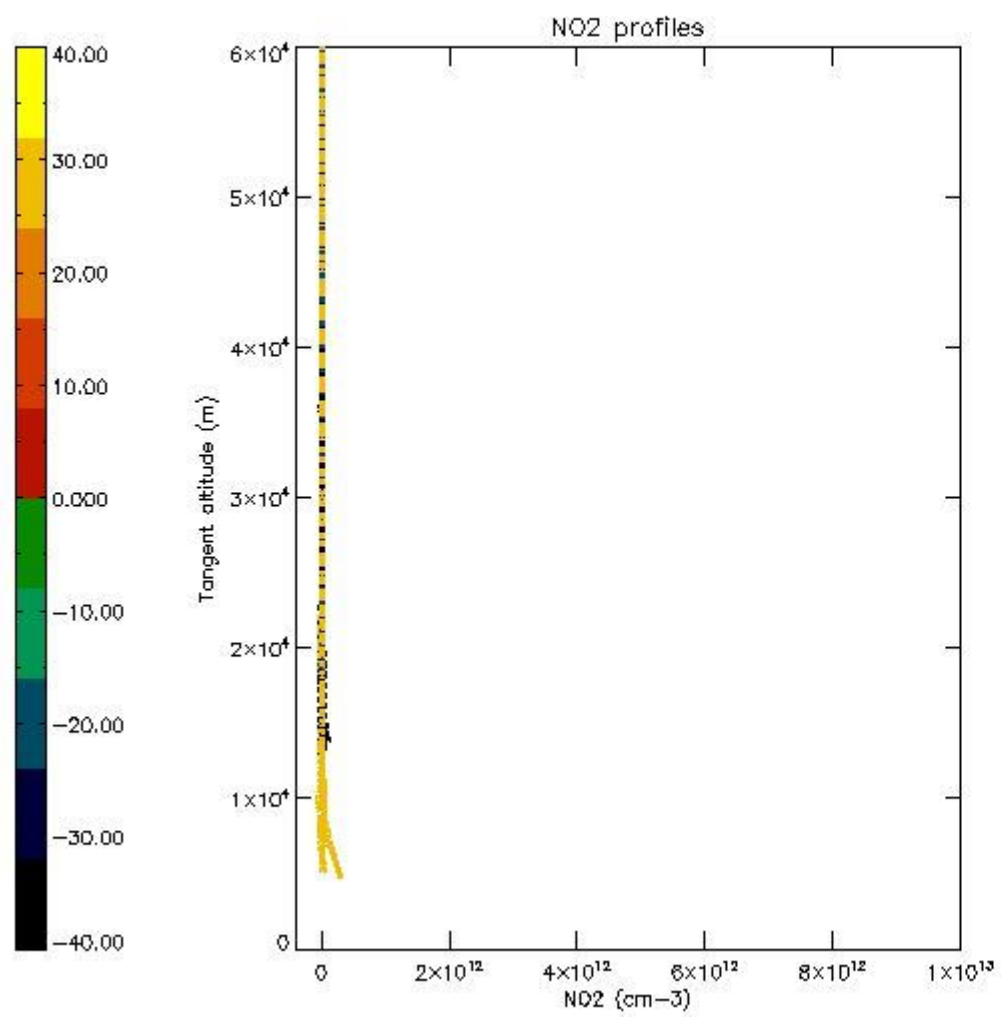
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



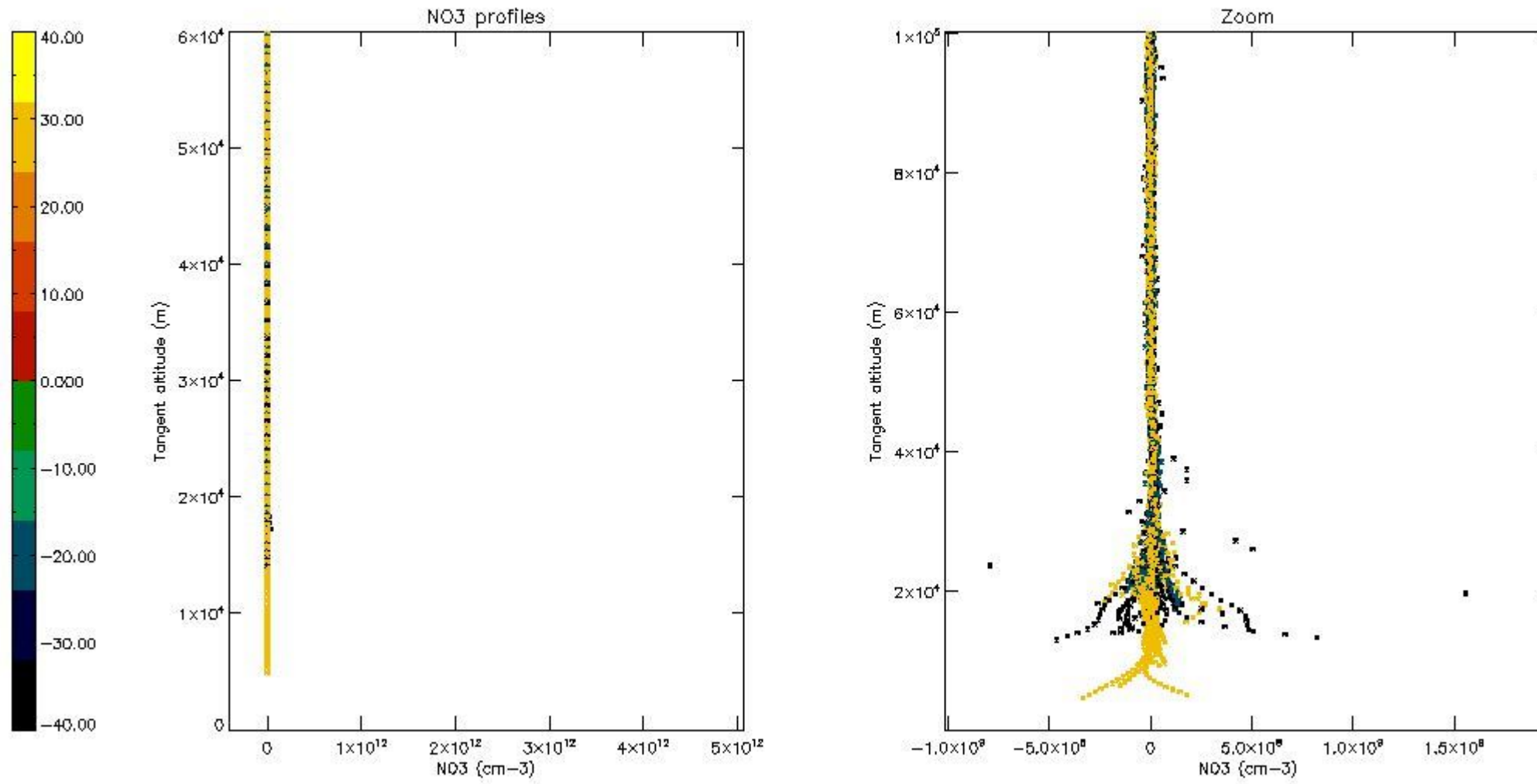
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

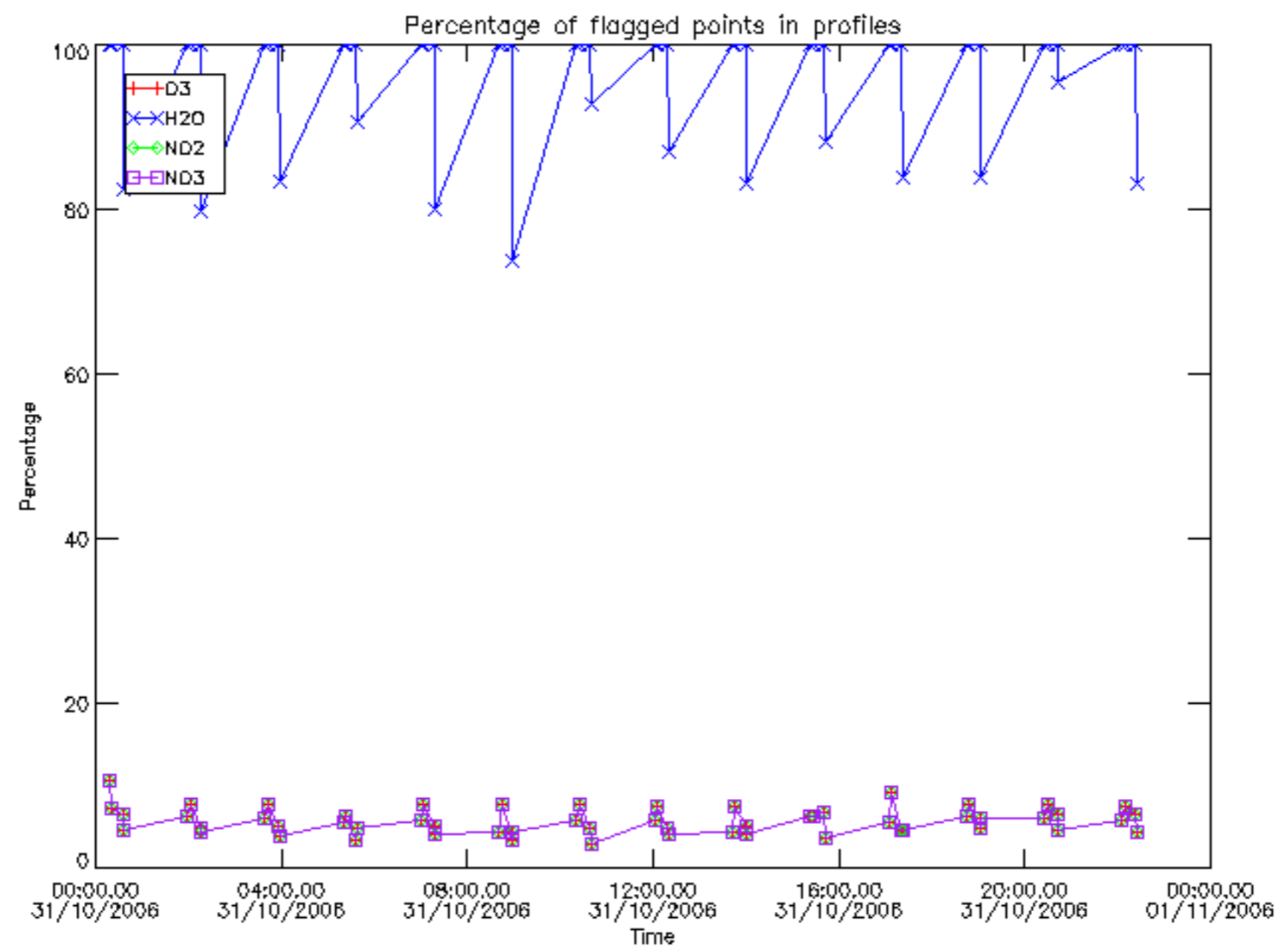
The colorbar represents the latitude.



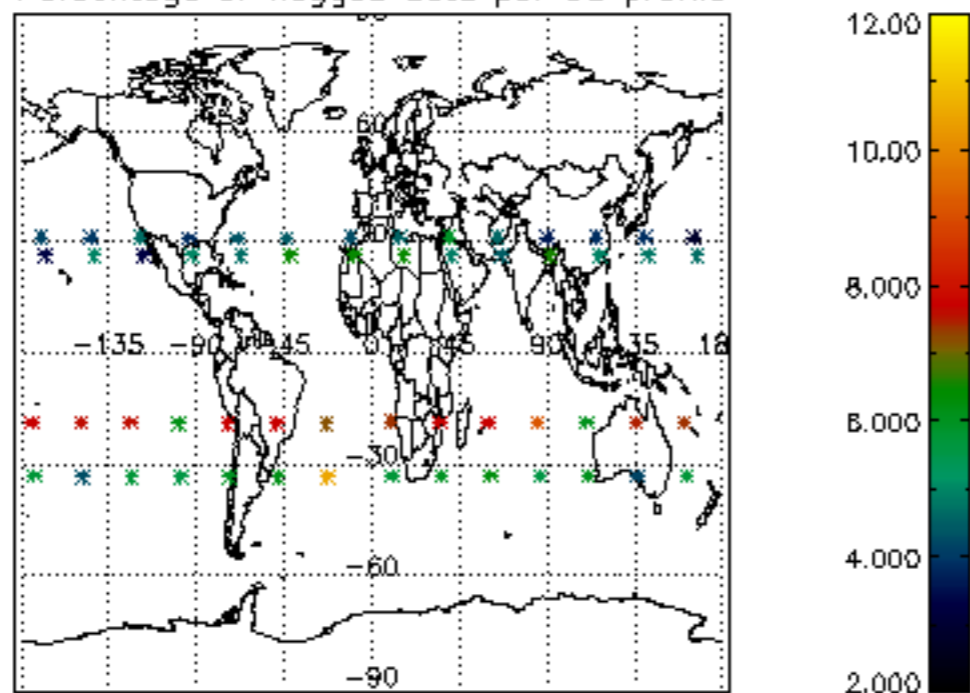
6. Auxiliary Data Files used for the production reported in section 2

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.

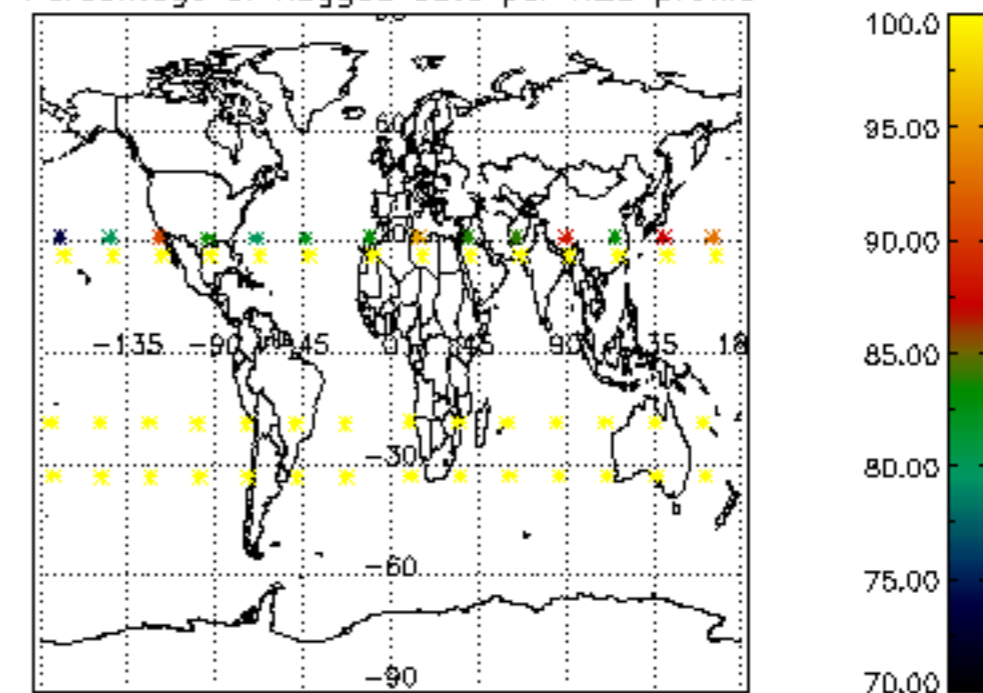
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	31-OCT-2006 00:17:37
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	31-OCT-2006 00:17:37
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	31-OCT-2006 00:17:37



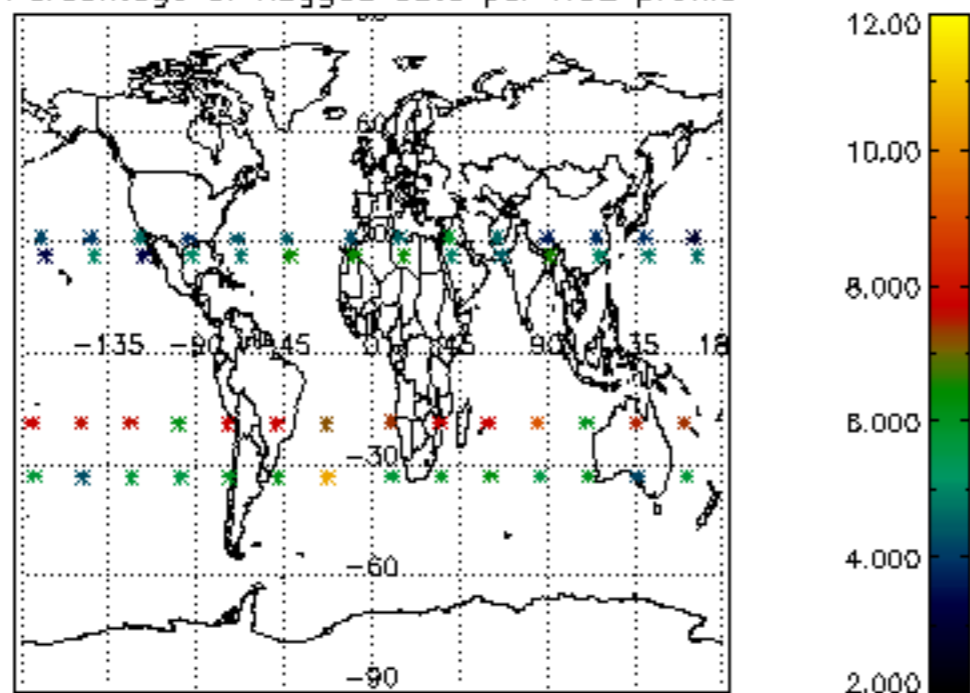
Percentage of flagged data per D3 profile



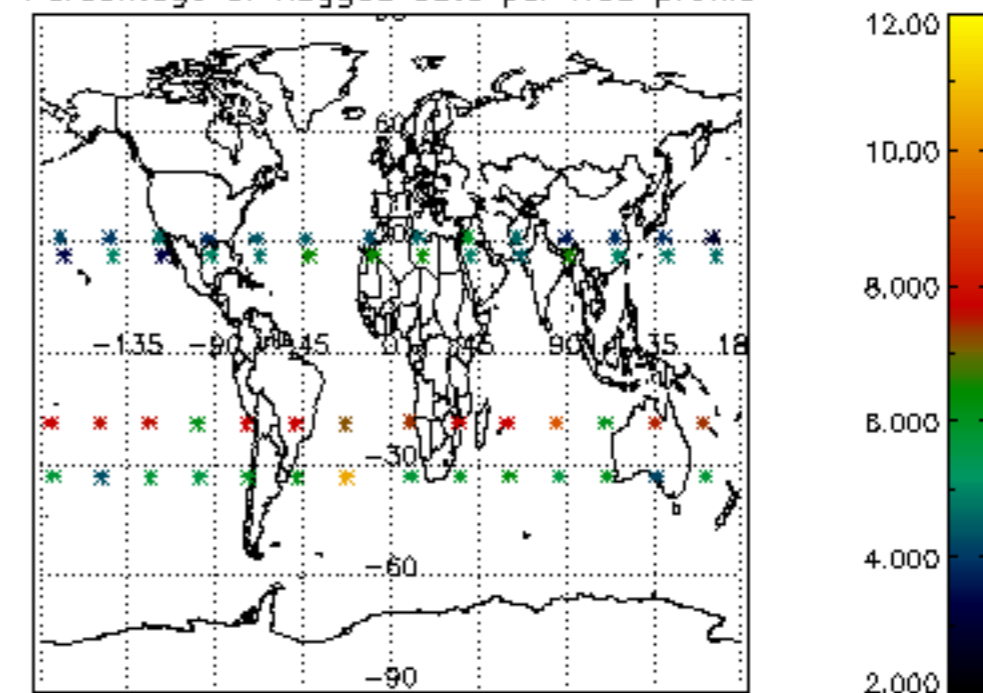
Percentage of flagged data per H2O profile

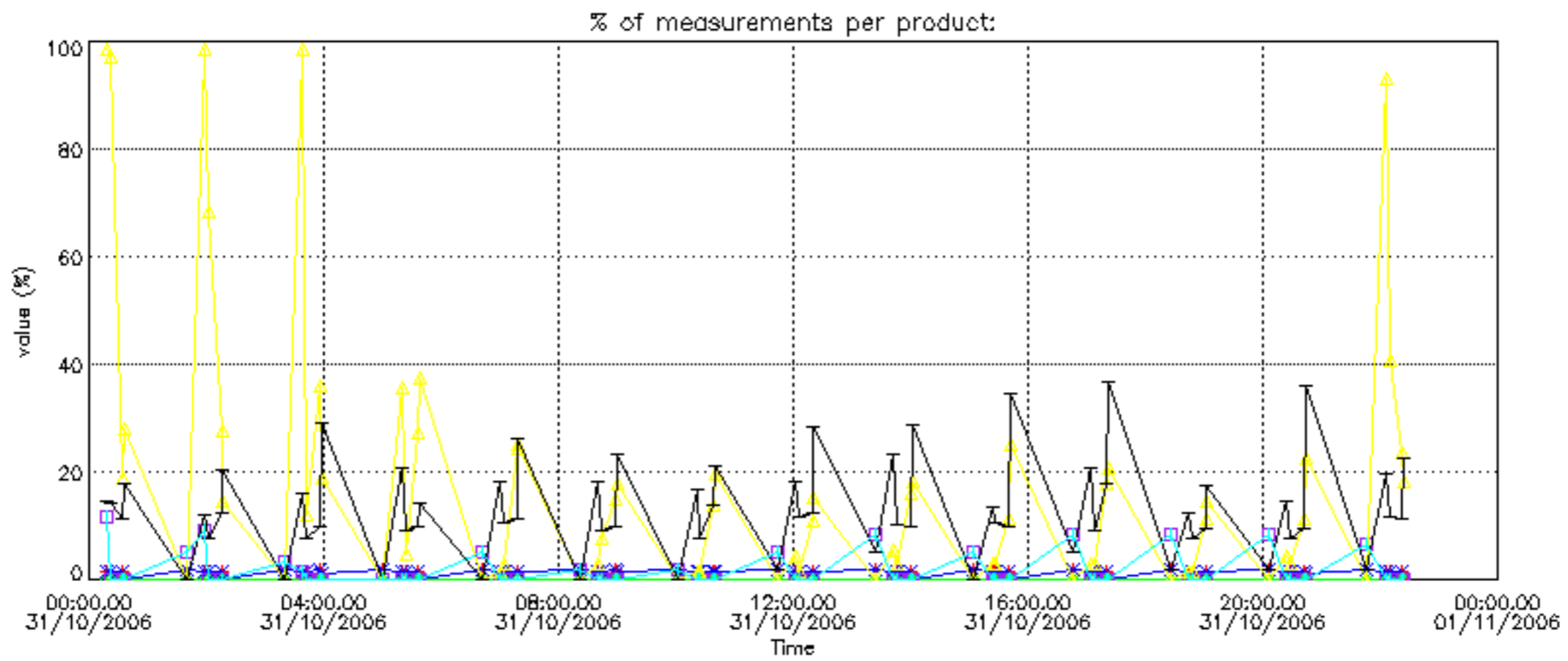


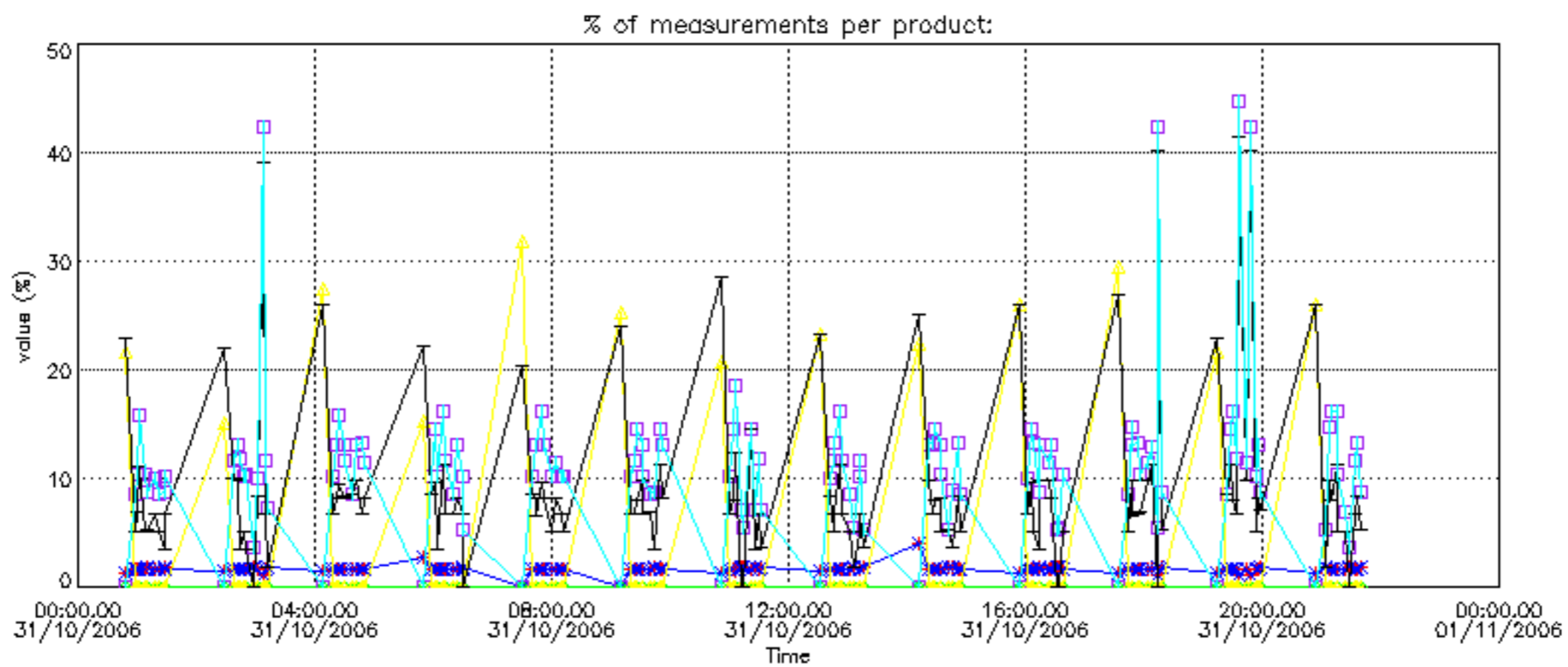
Percentage of flagged data per NO2 profile



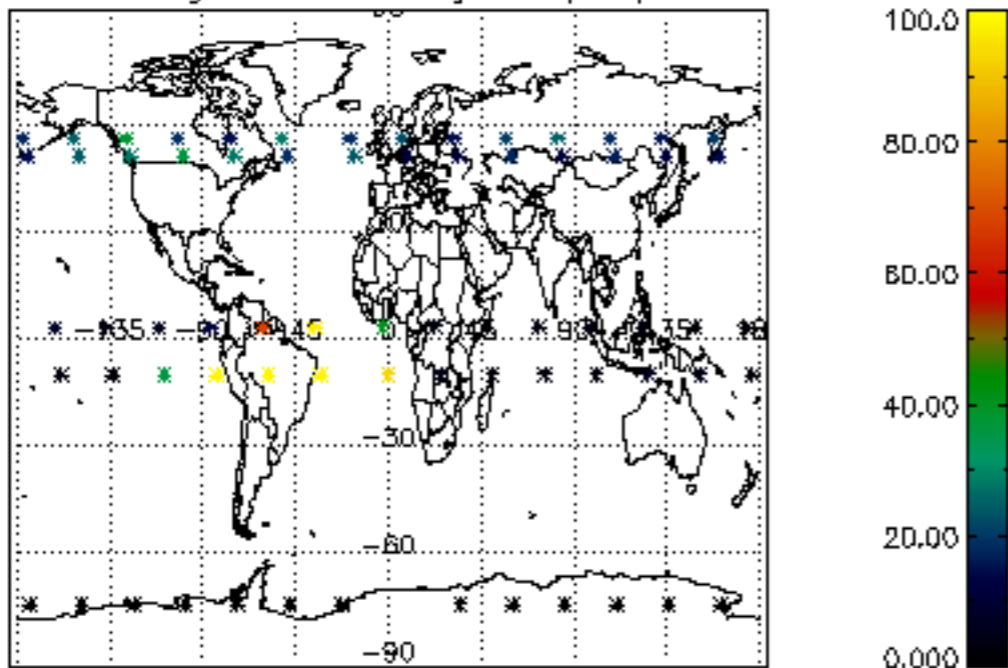
Percentage of flagged data per NO3 profile



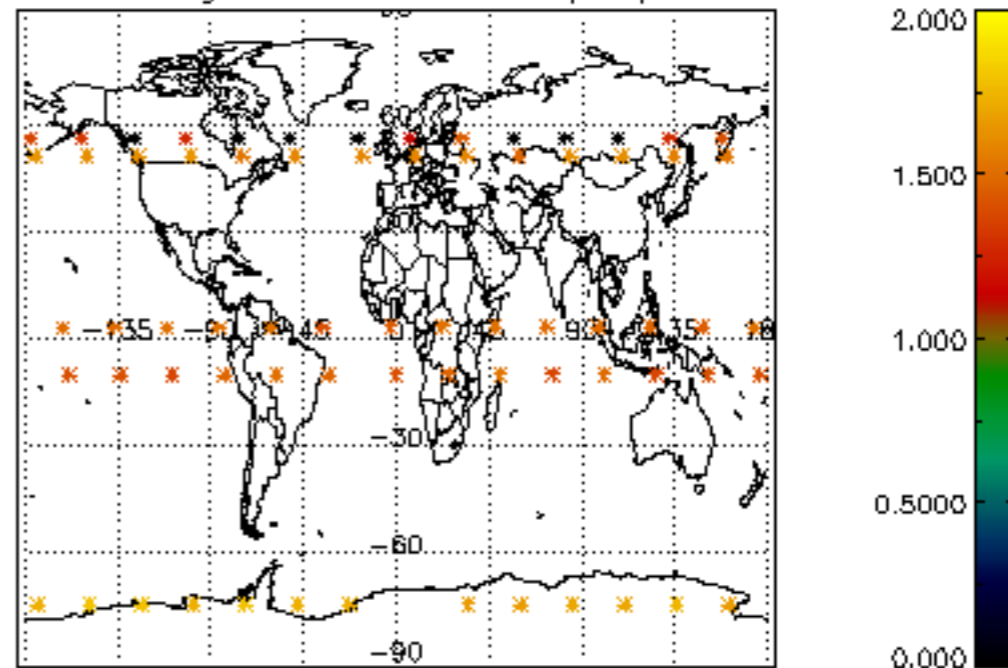




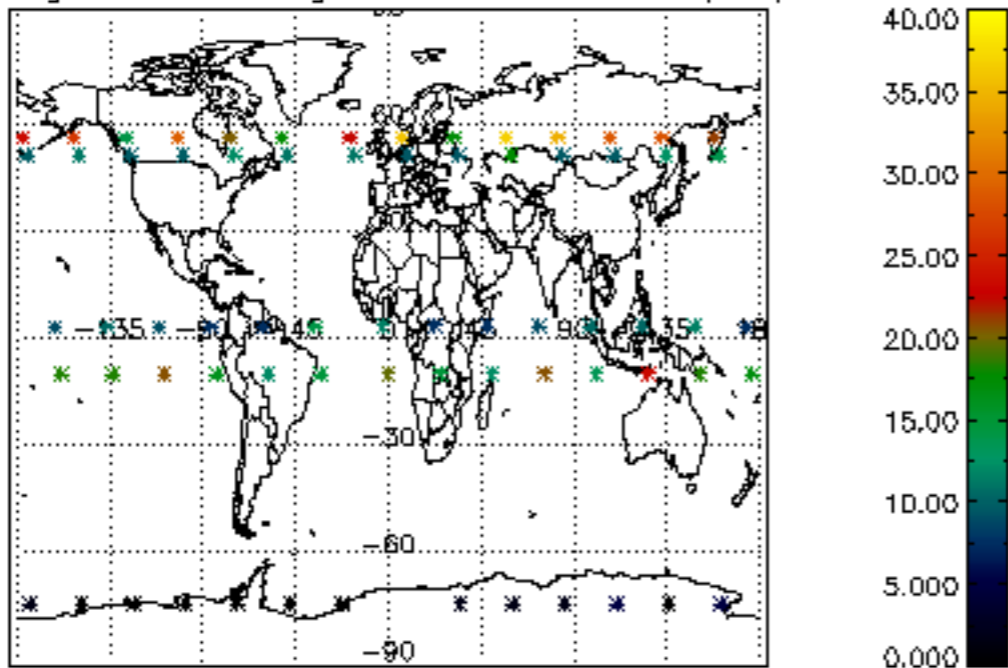
Percentage of cosmic ray hits per profile



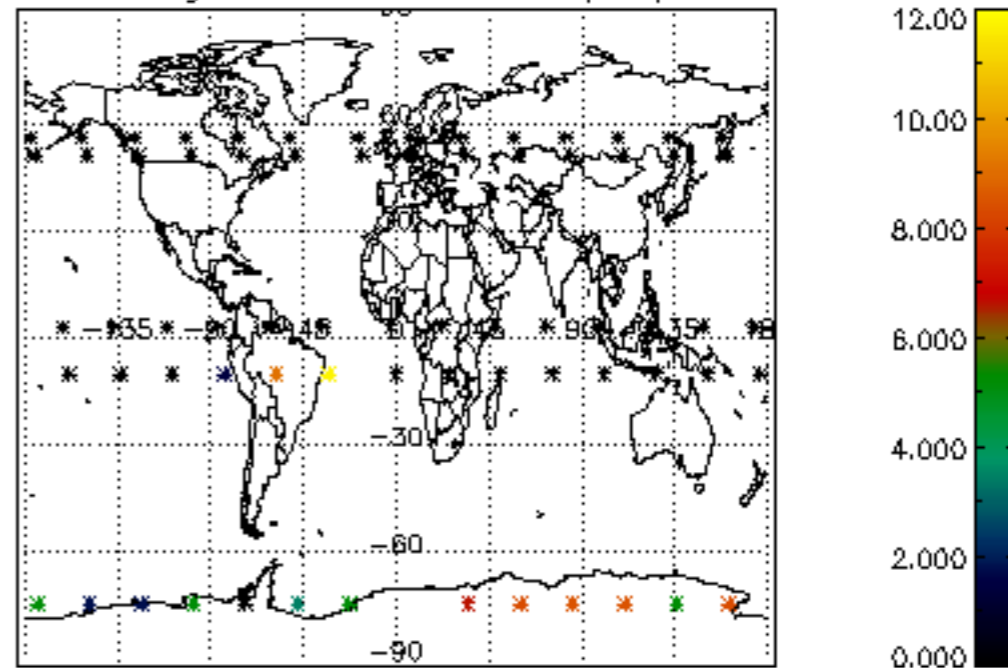
Percentage of datation errors per profile



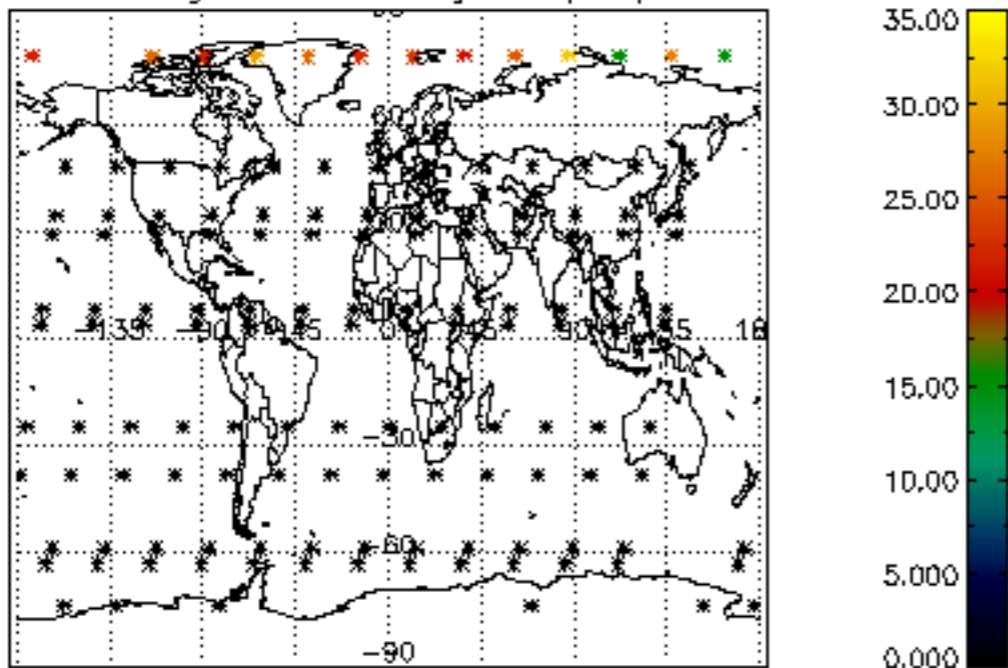
Percentage of star falling outside central band per profile



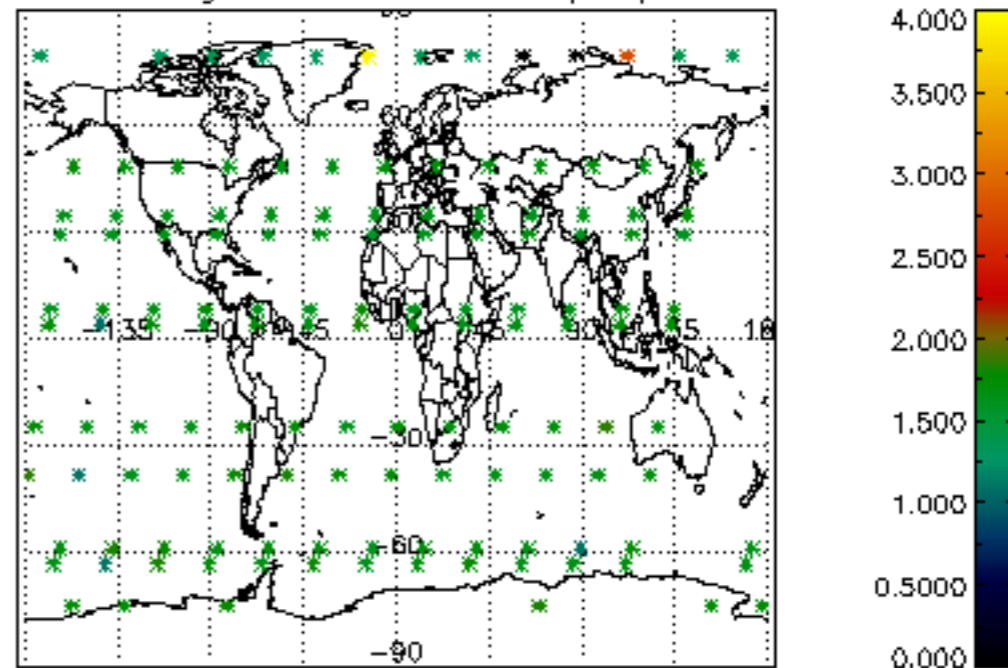
Percentage of saturation errors per profile



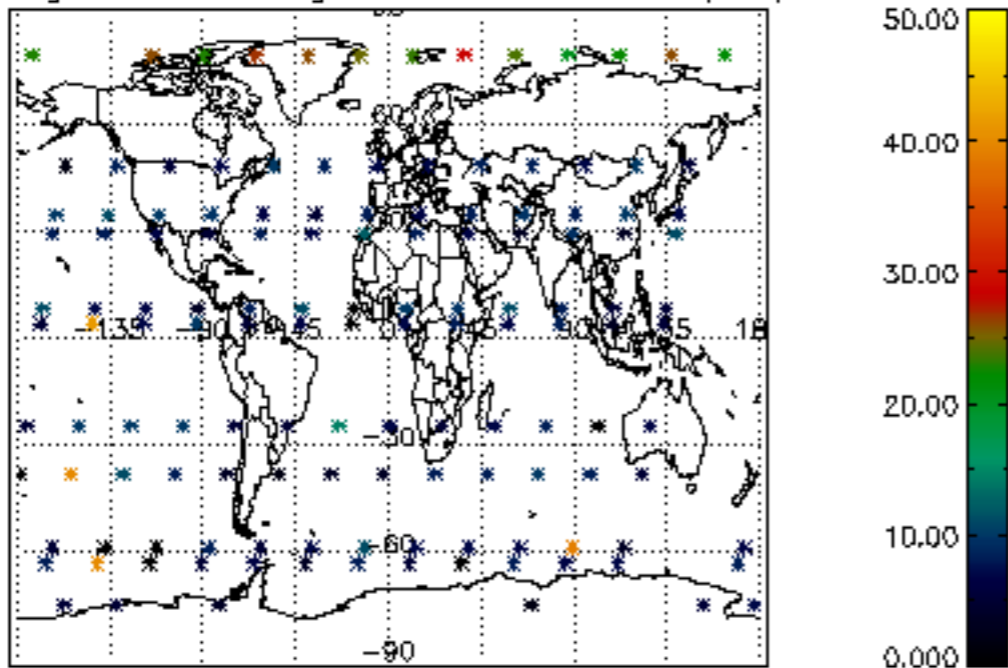
Percentage of cosmic ray hits per profile



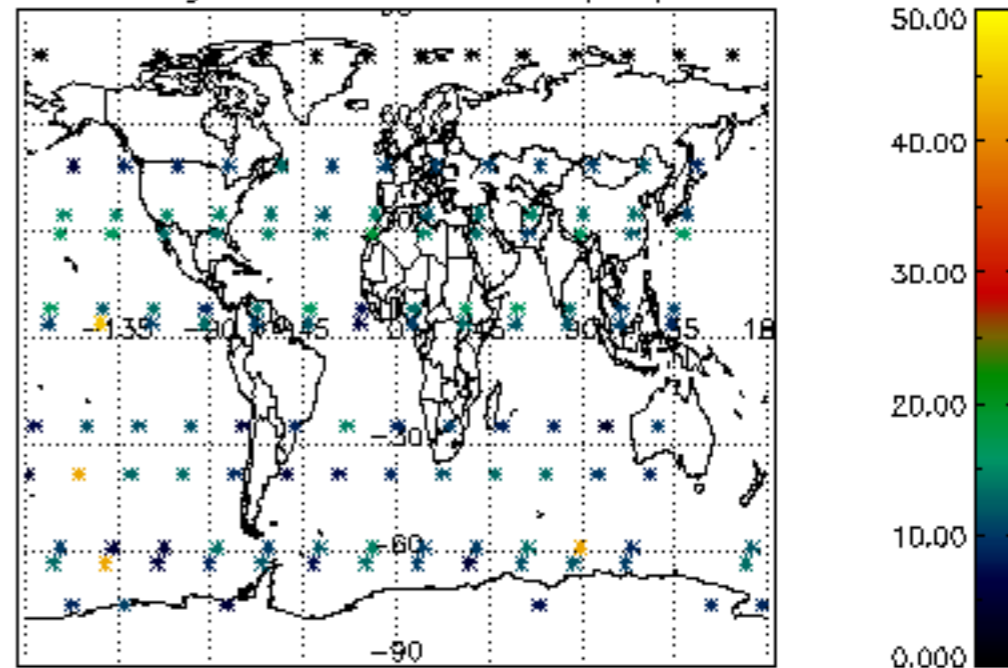
Percentage of datation errors per profile

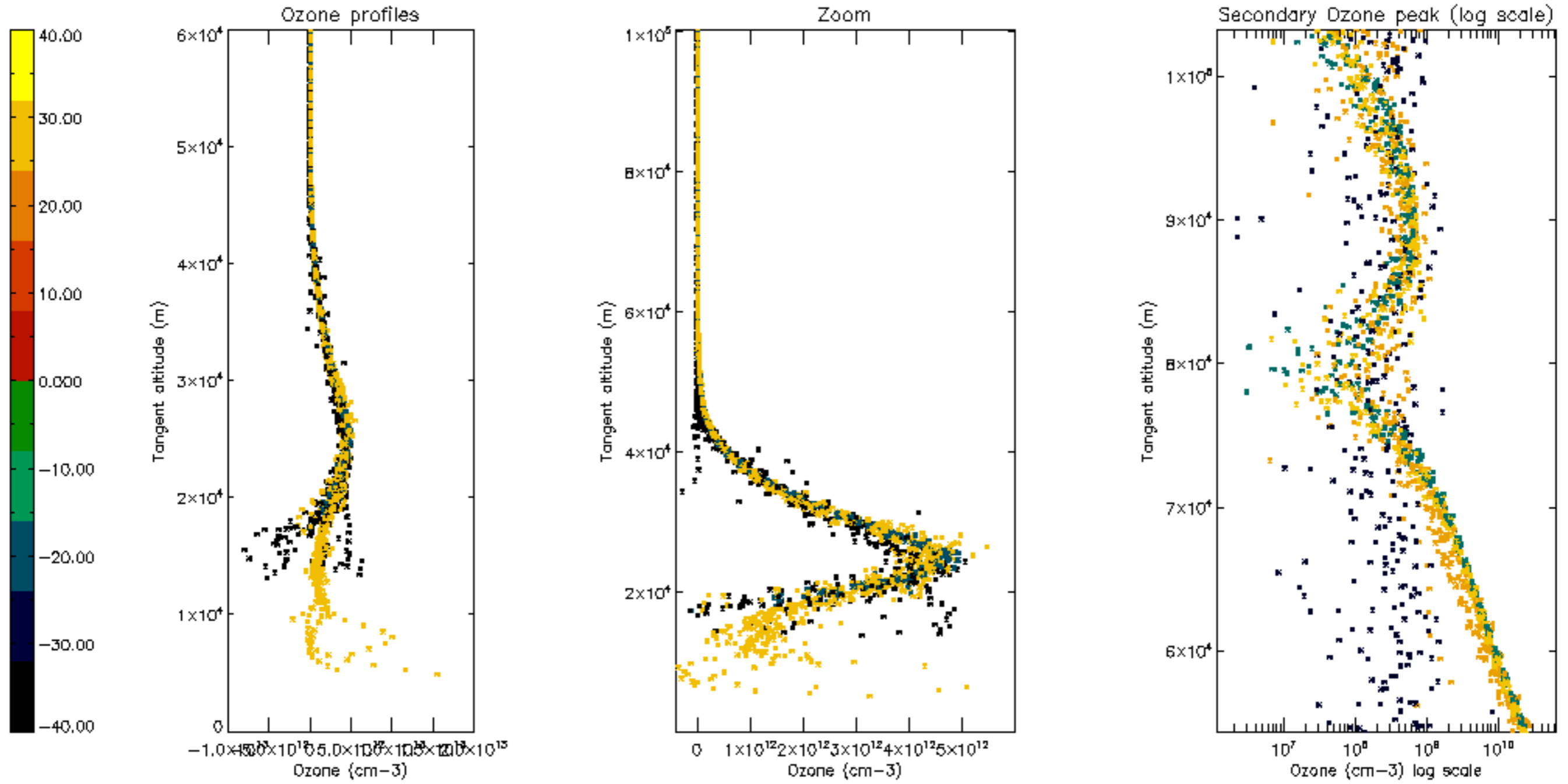


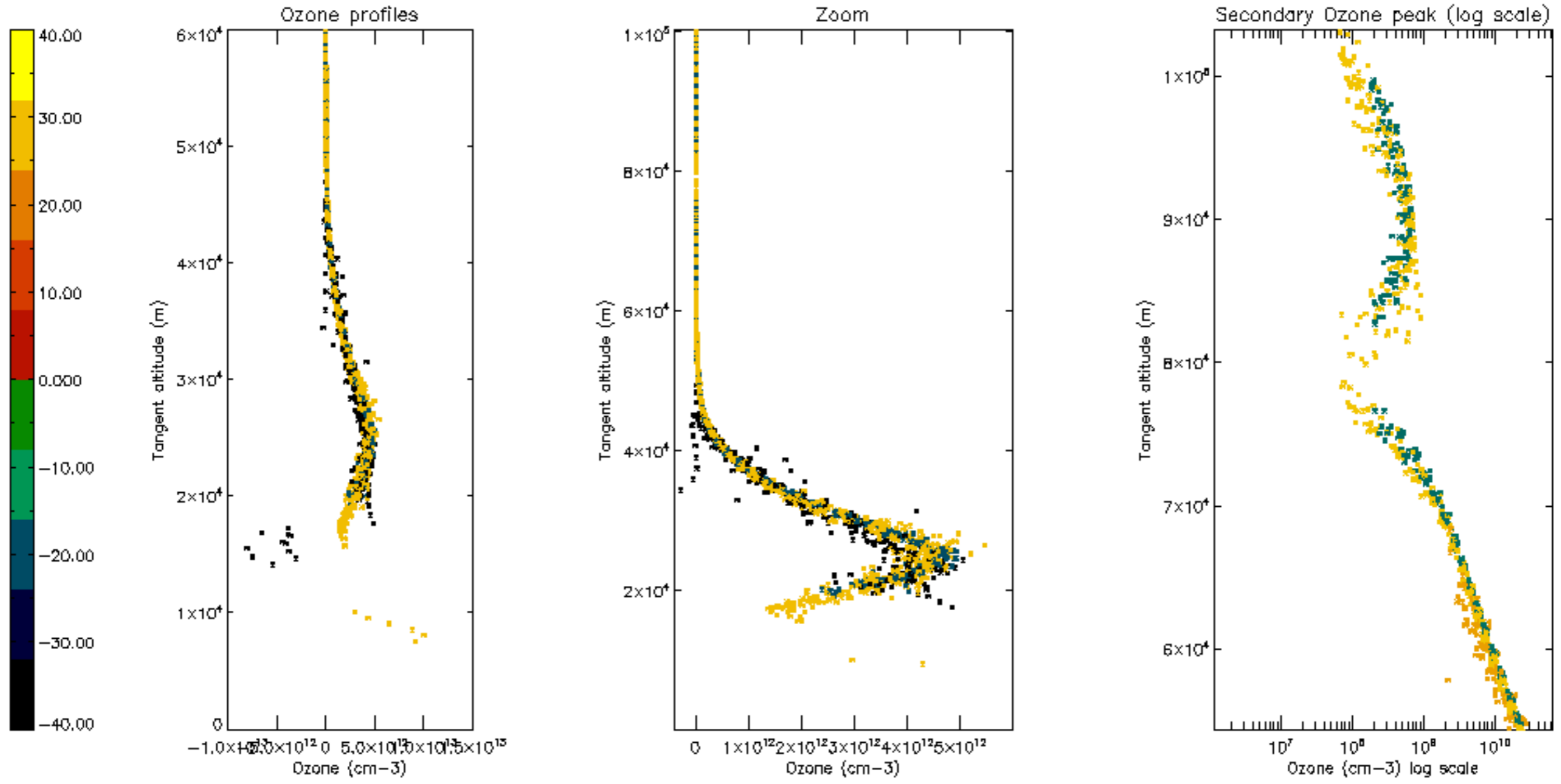
Percentage of star falling outside central band per profile

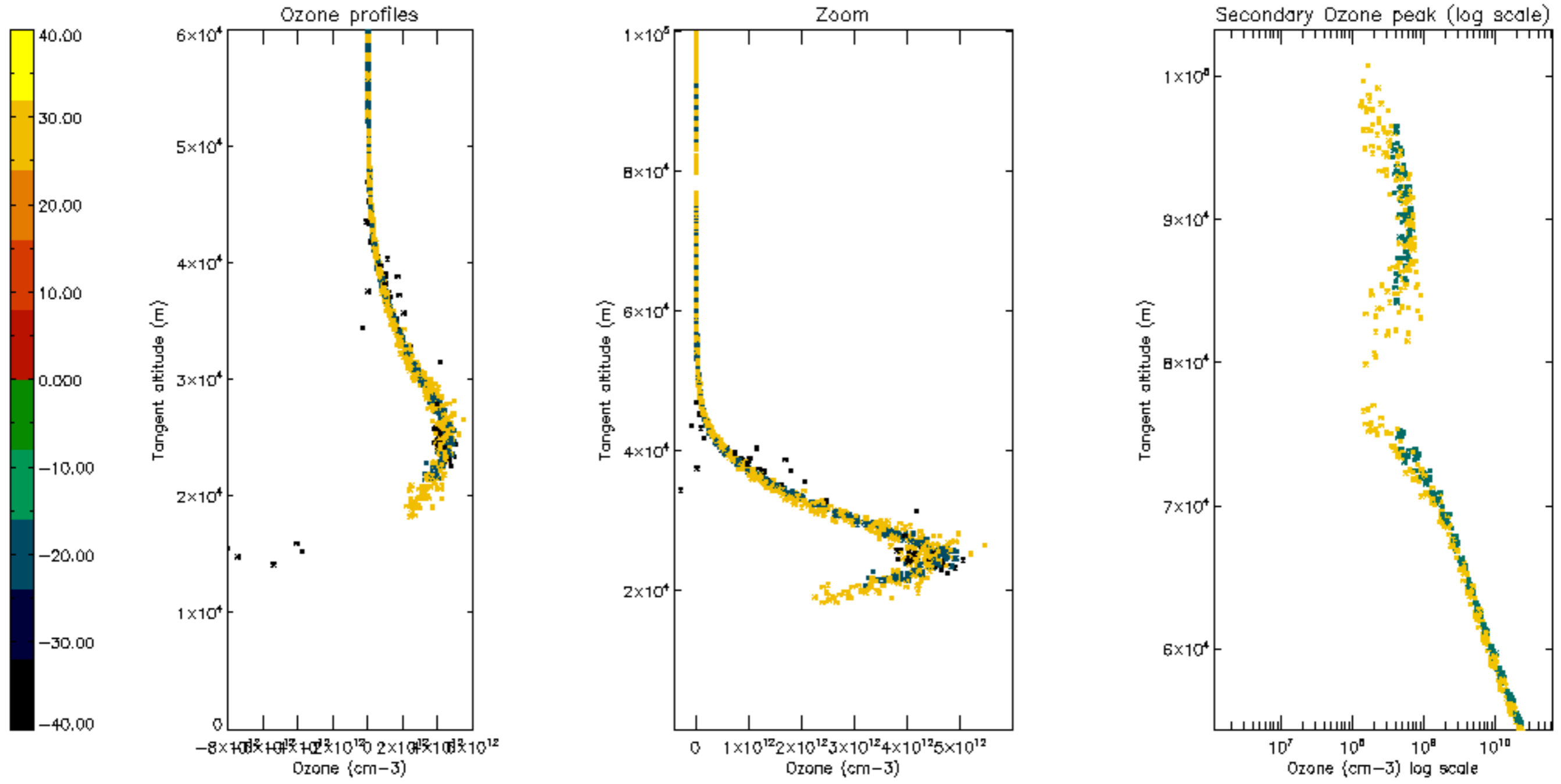


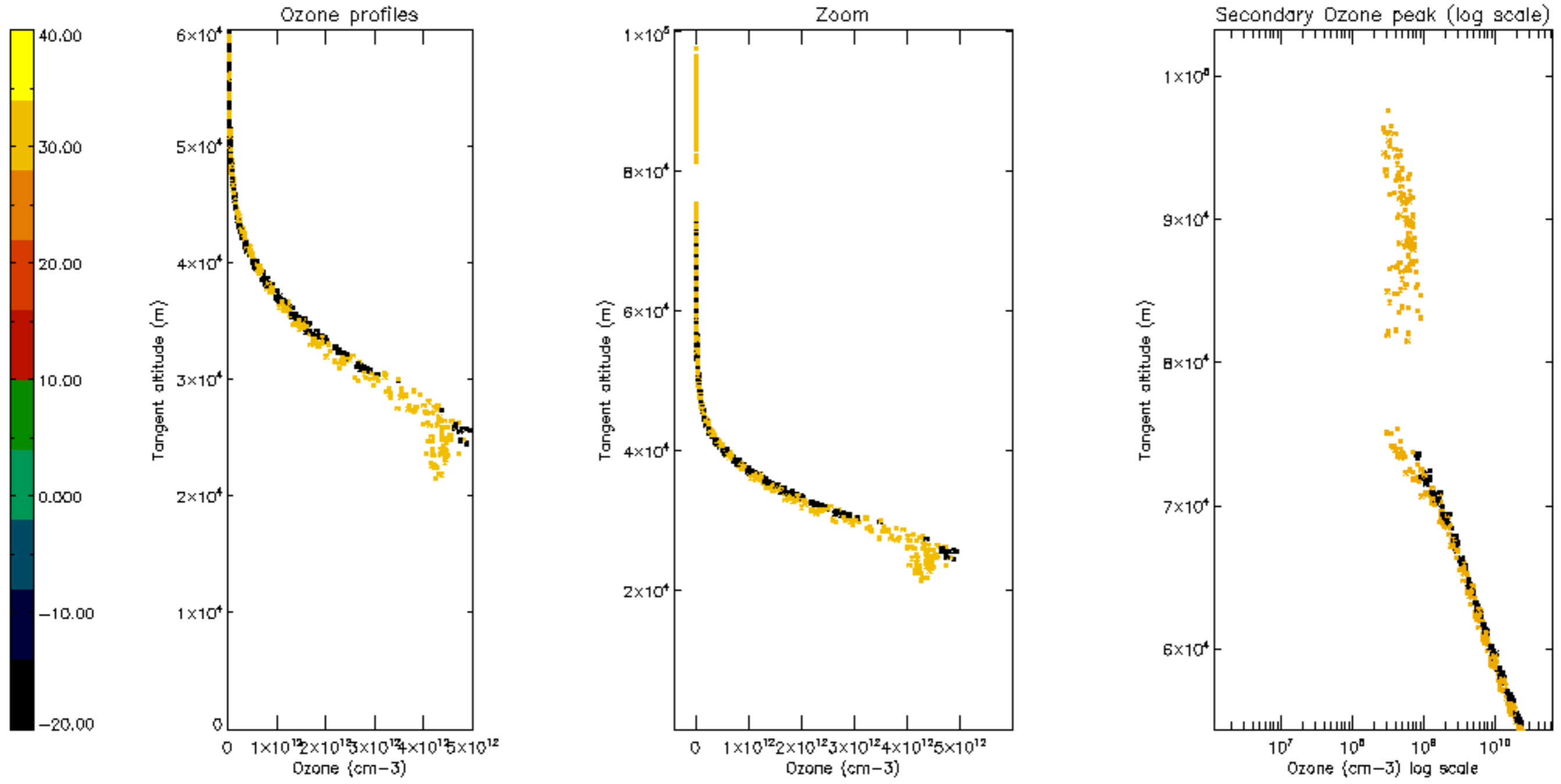
Percentage of saturation errors per profile

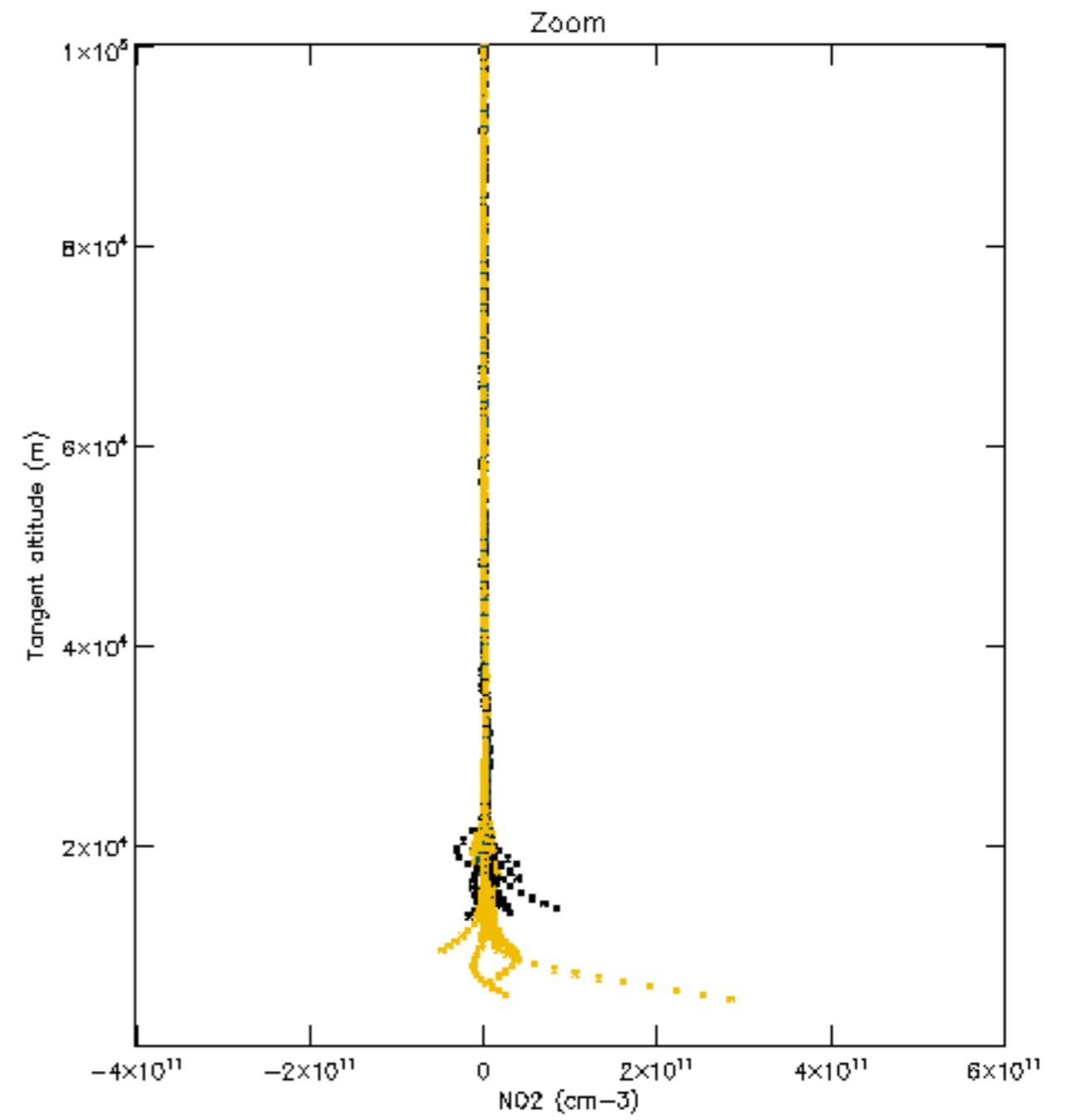
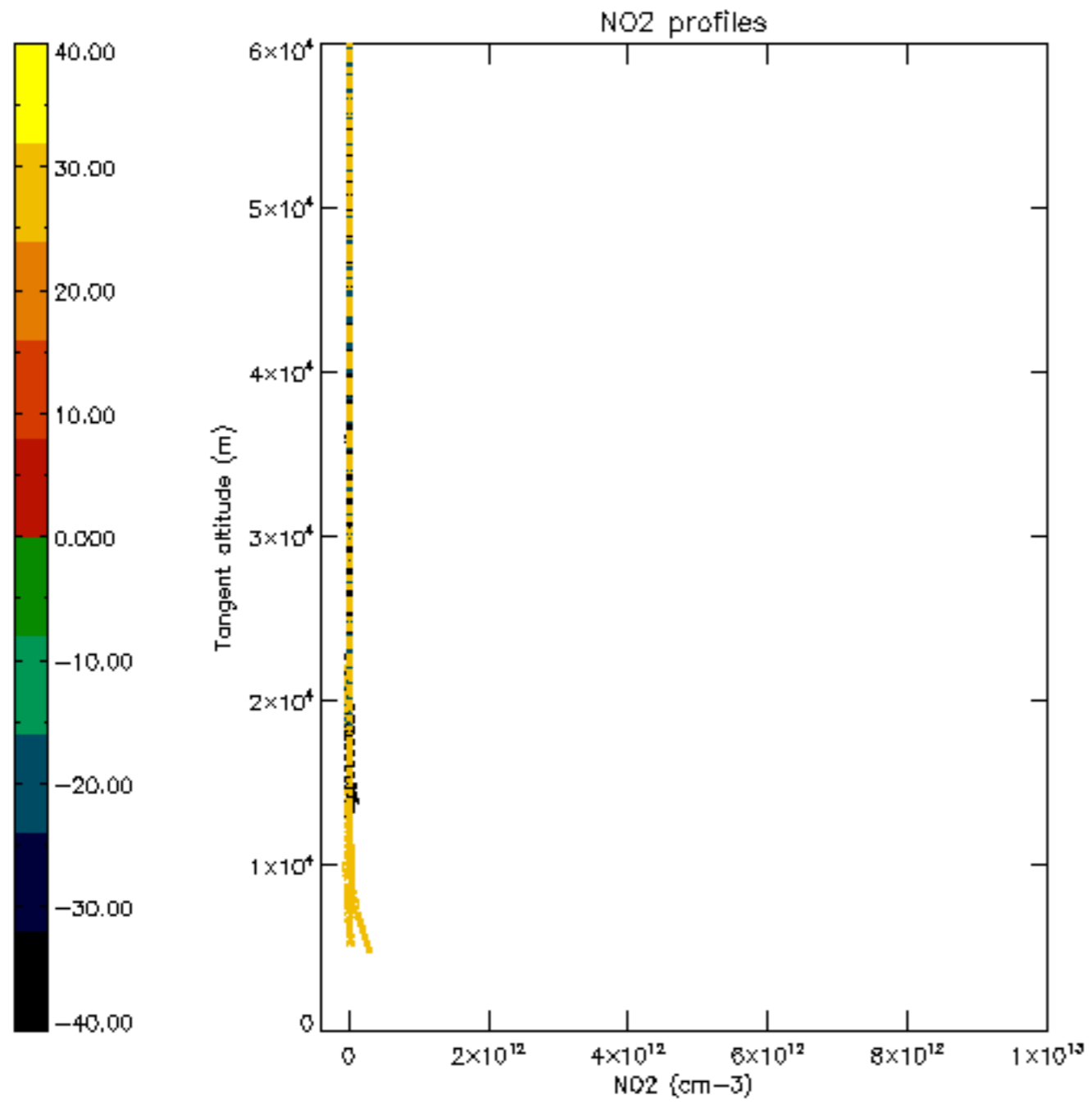


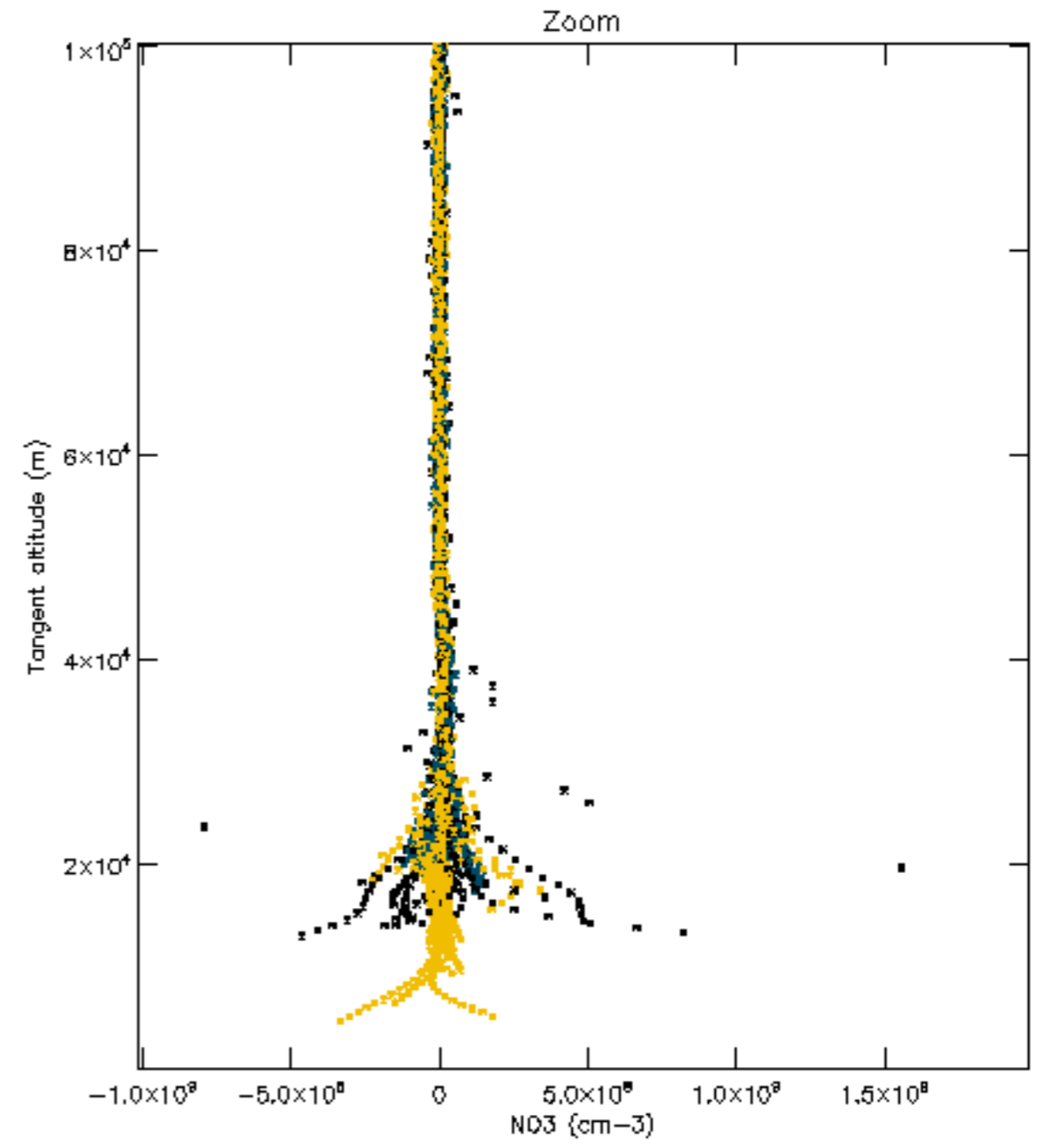
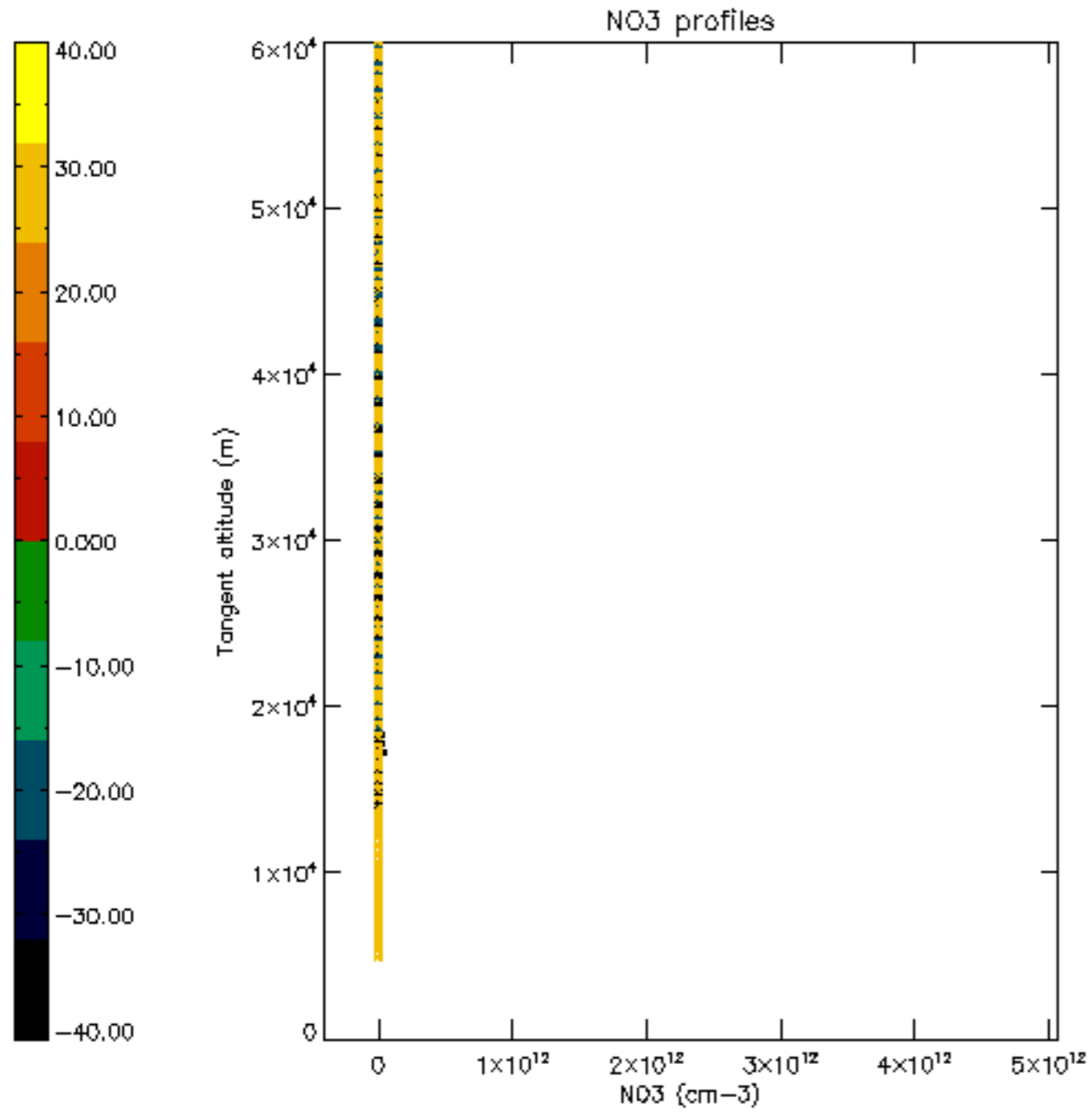


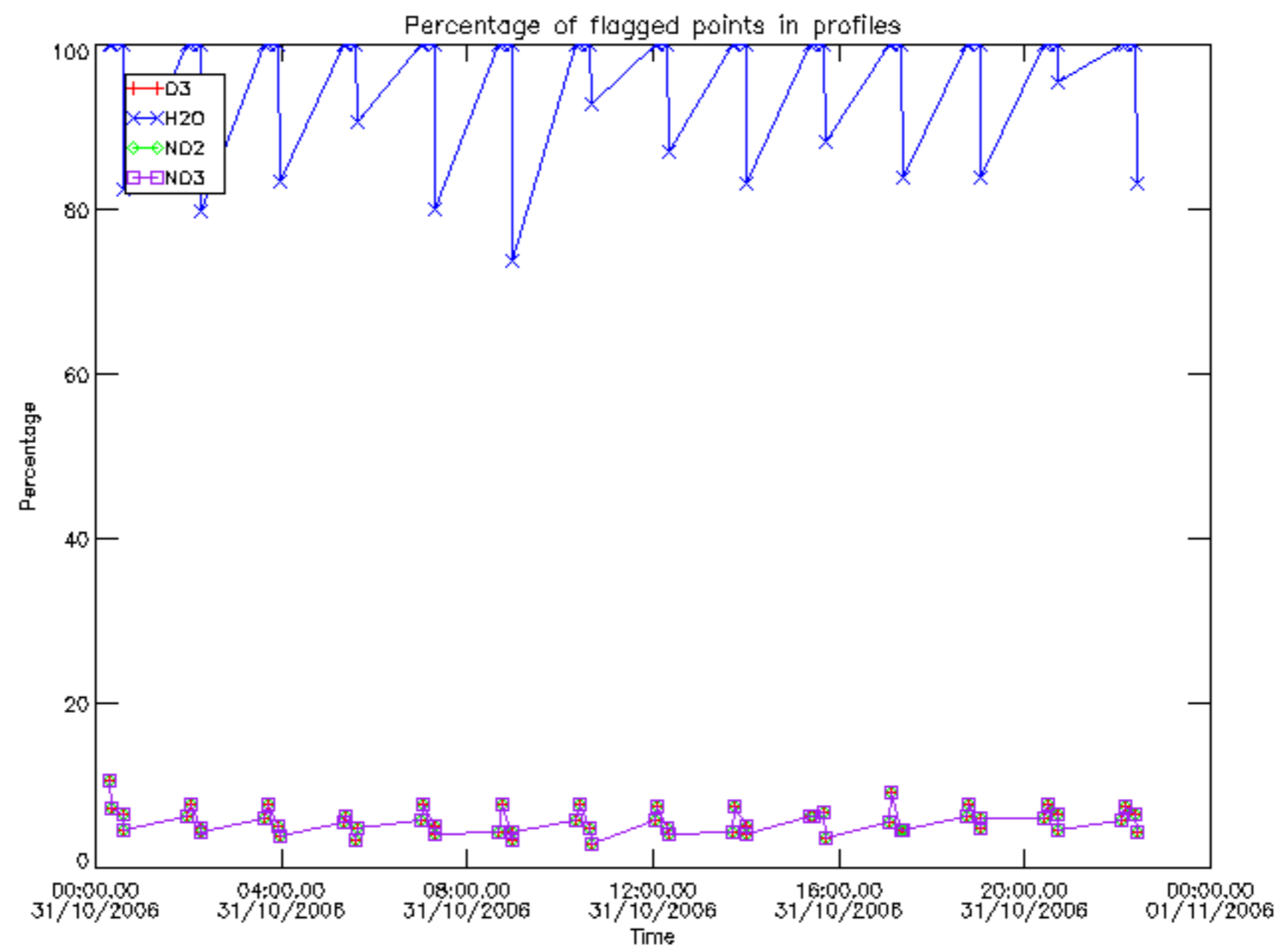




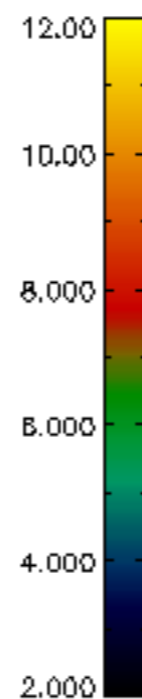
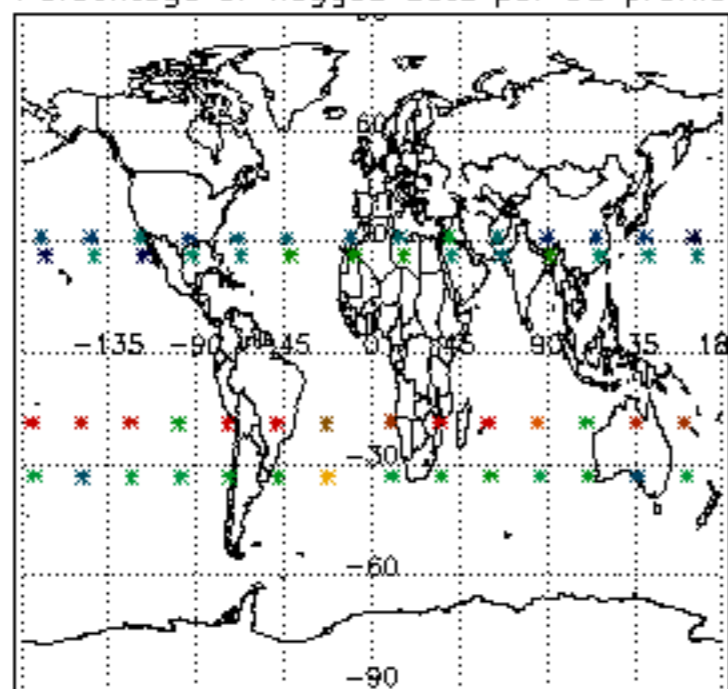




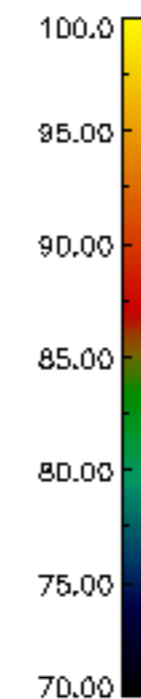
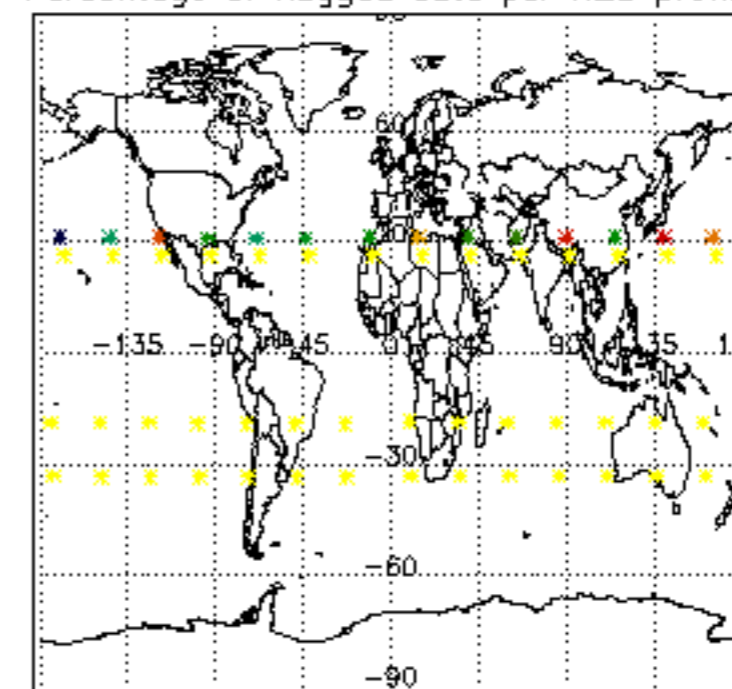




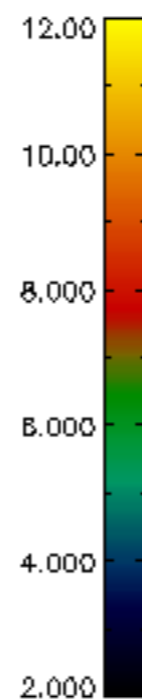
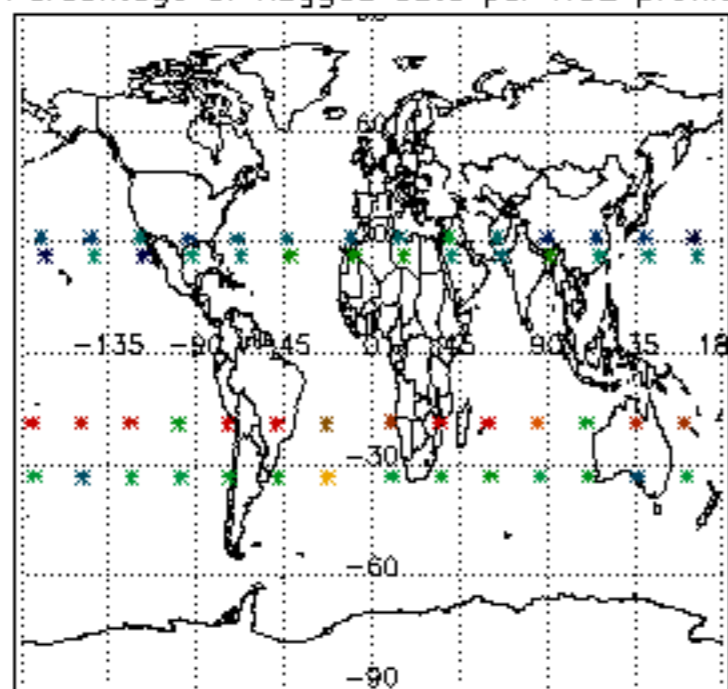
Percentage of flagged data per D3 profile



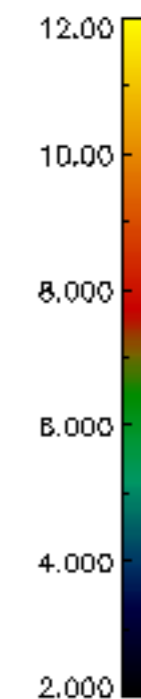
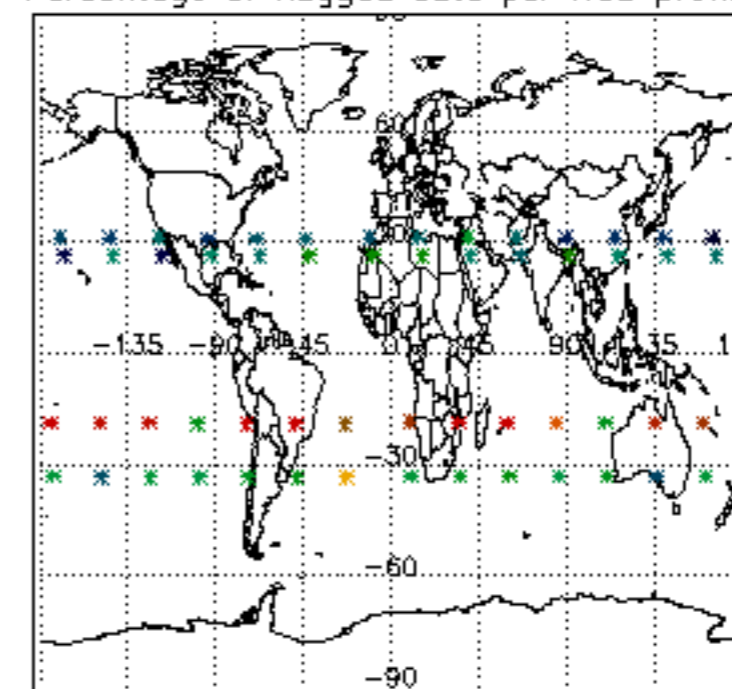
Percentage of flagged data per H2O profile

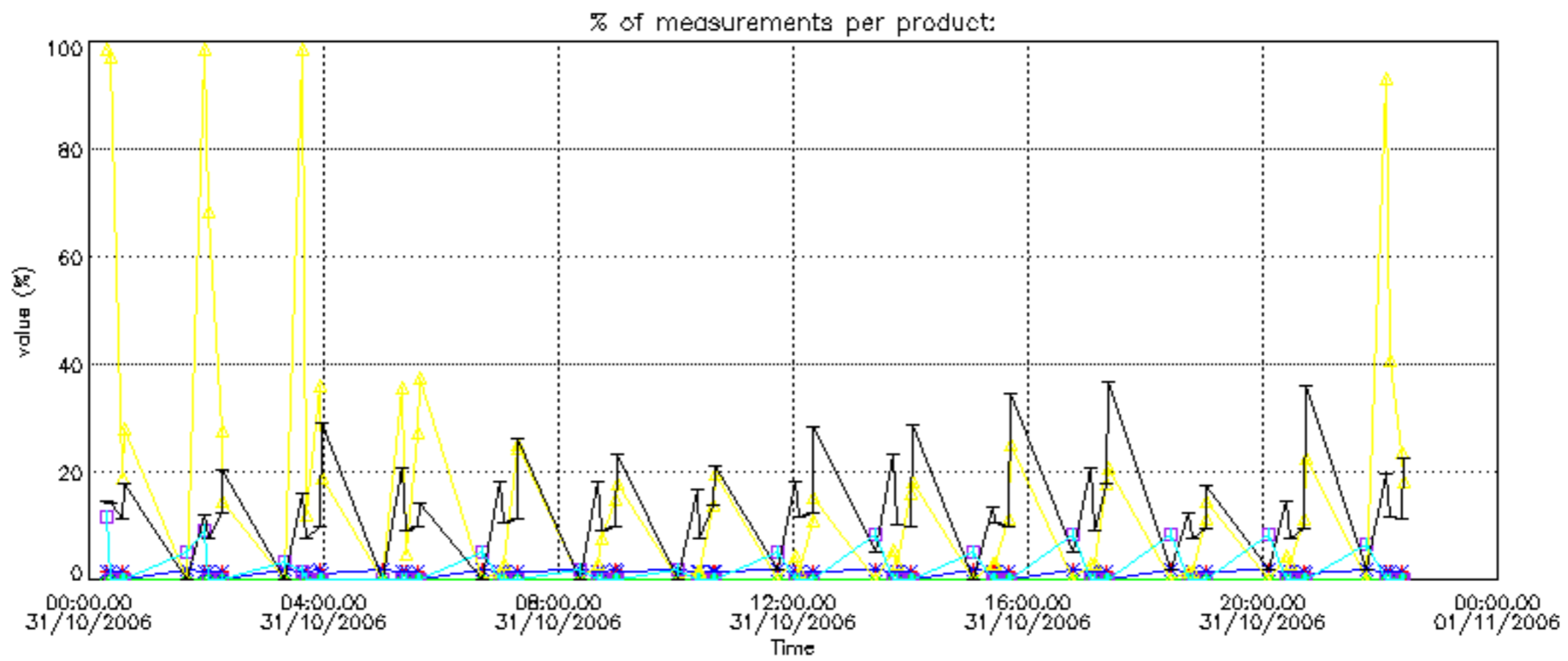


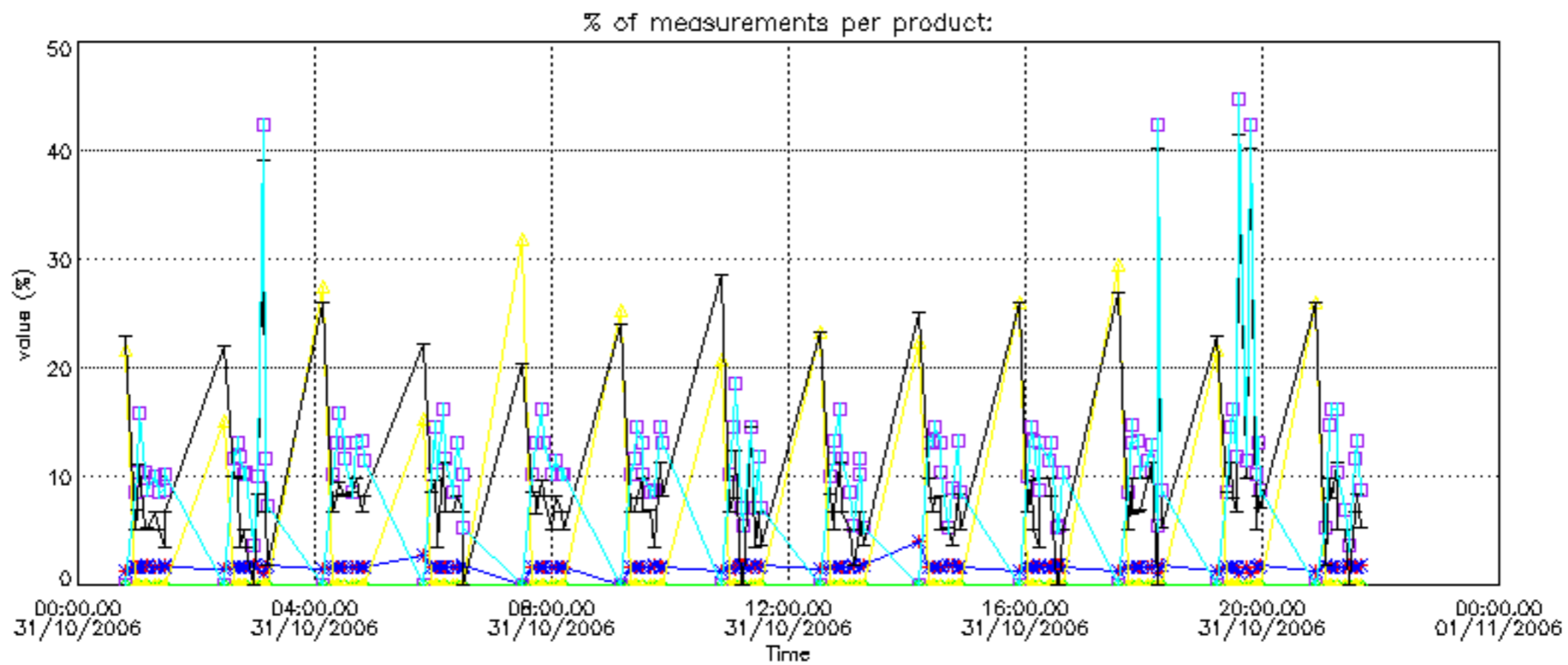
Percentage of flagged data per NO2 profile



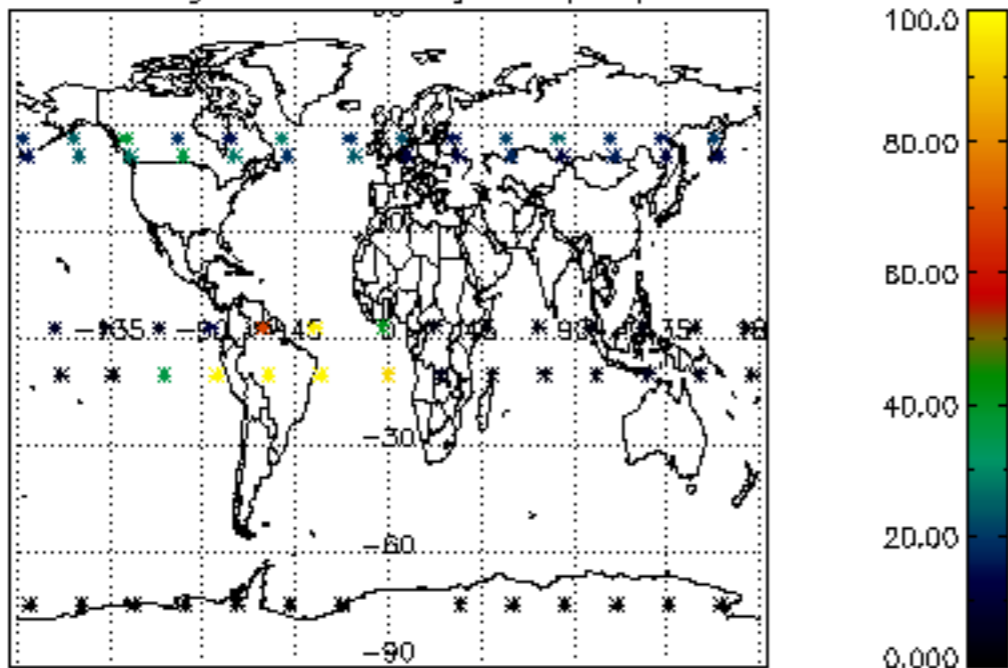
Percentage of flagged data per NO3 profile



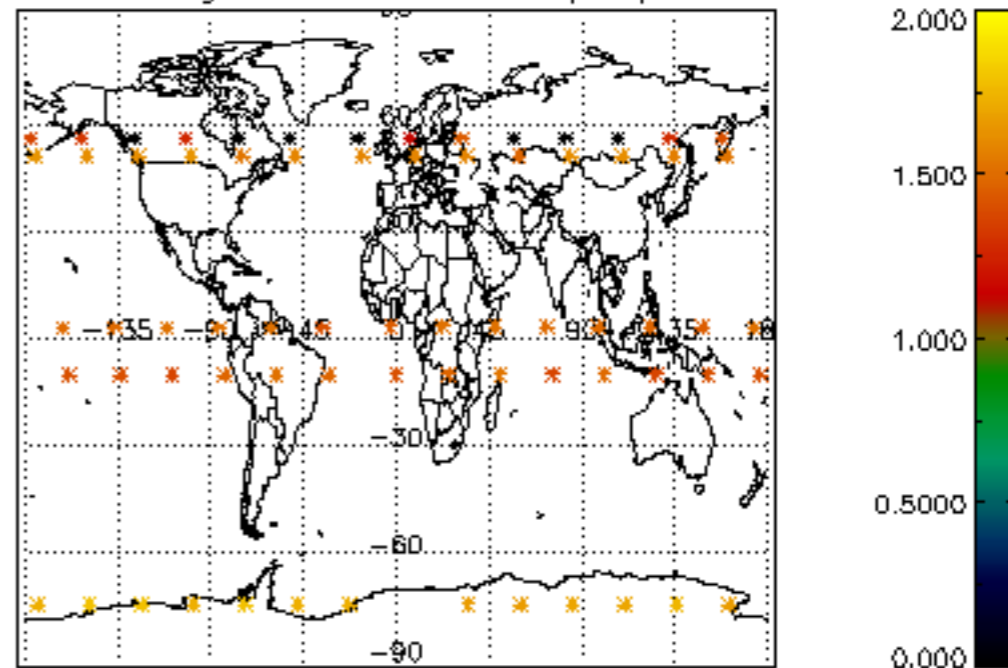




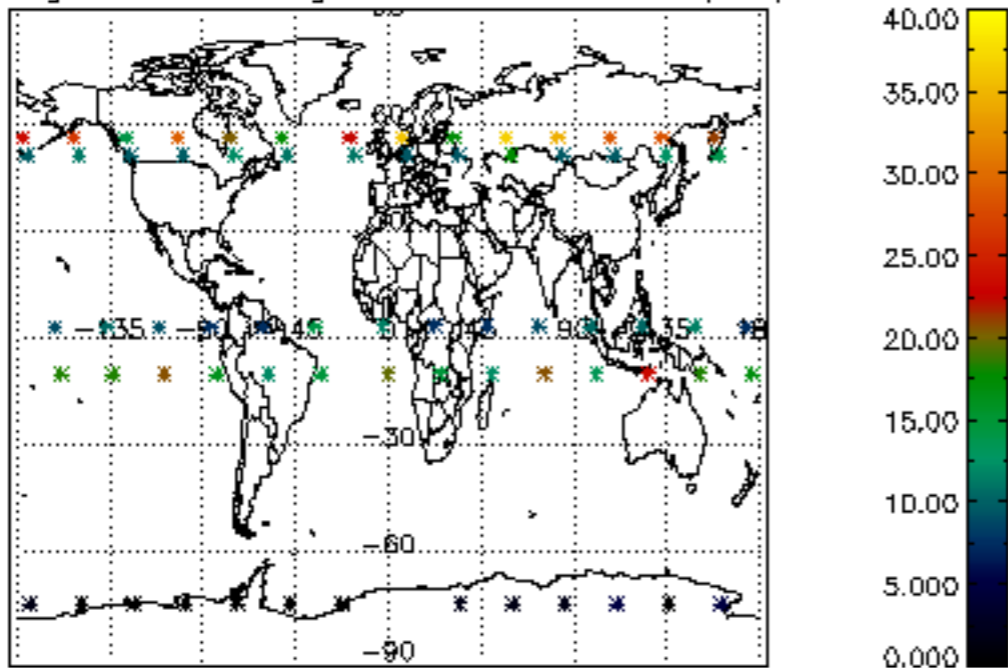
Percentage of cosmic ray hits per profile



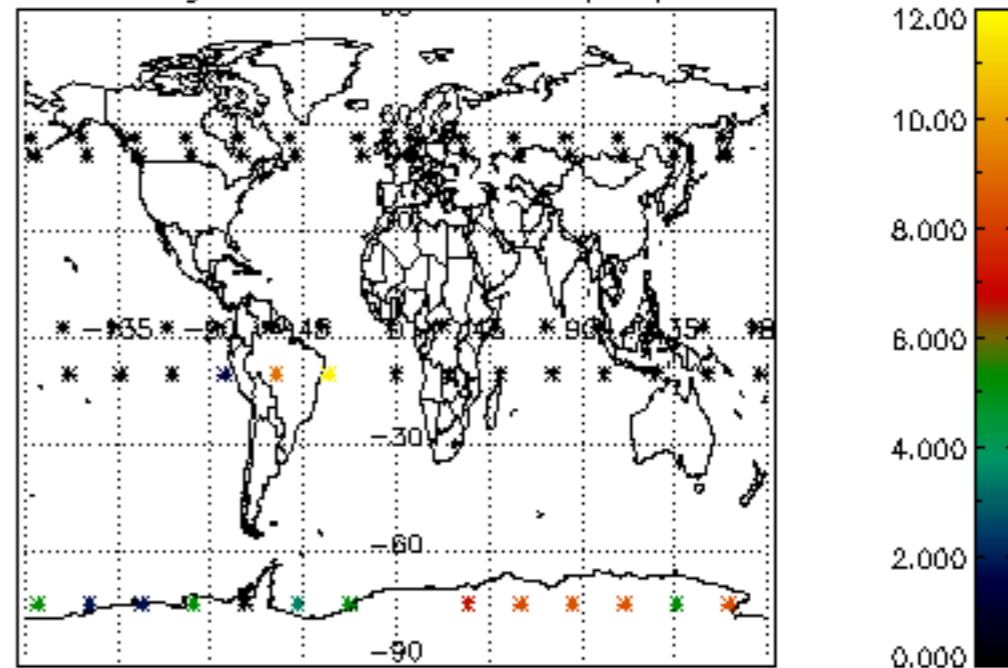
Percentage of datation errors per profile



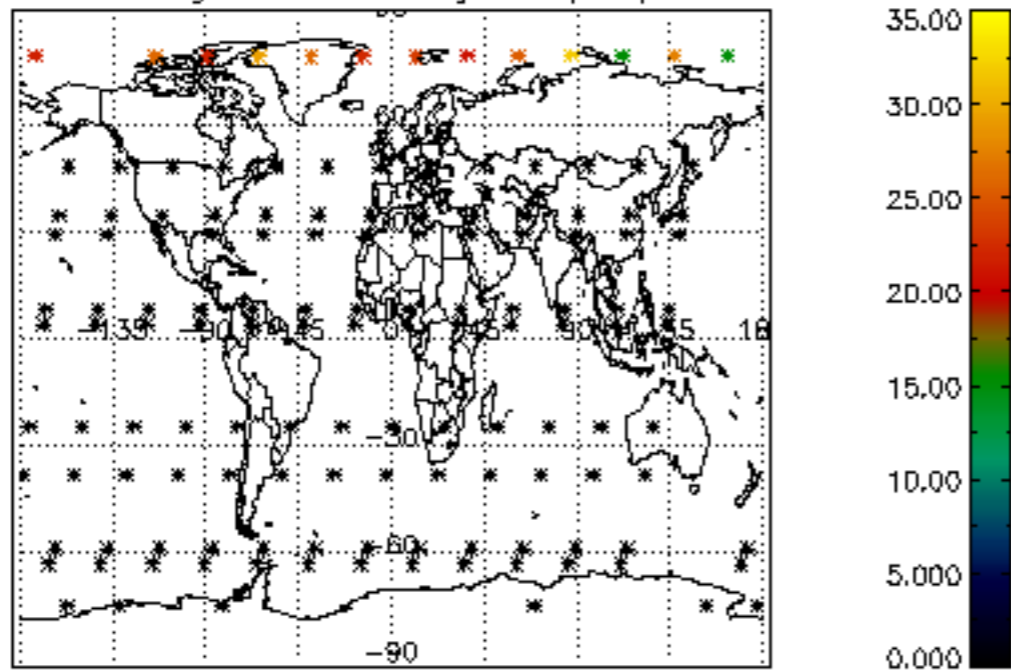
Percentage of star falling outside central band per profile



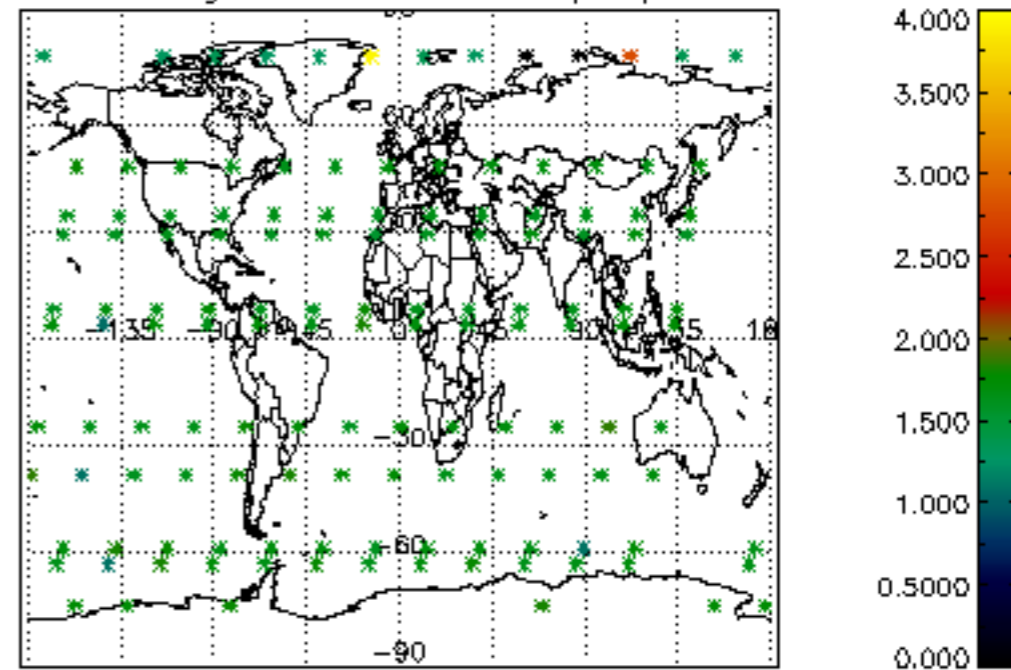
Percentage of saturation errors per profile



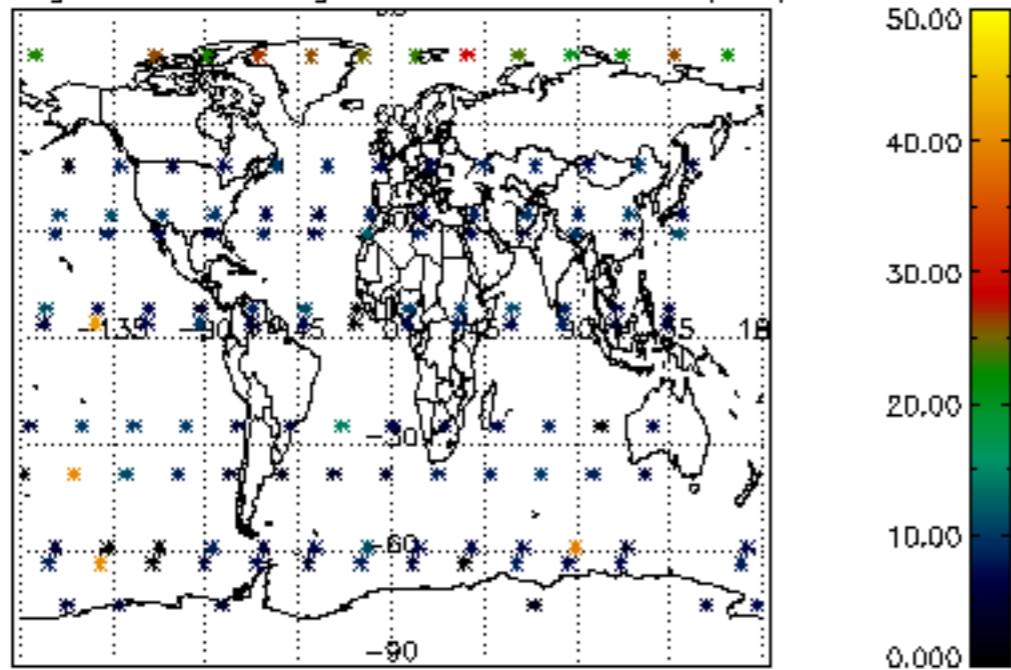
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

