

GOMOS Level 2 Daily Report

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

Item	Value
Time of report generation	25APR2013 22:50:35
Data source version	GOMOS/6.01
Start time of products	27-11-2008 (27NOV2008 00:00:00)
Stop time of products	28-11-2008 (28NOV2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	203
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

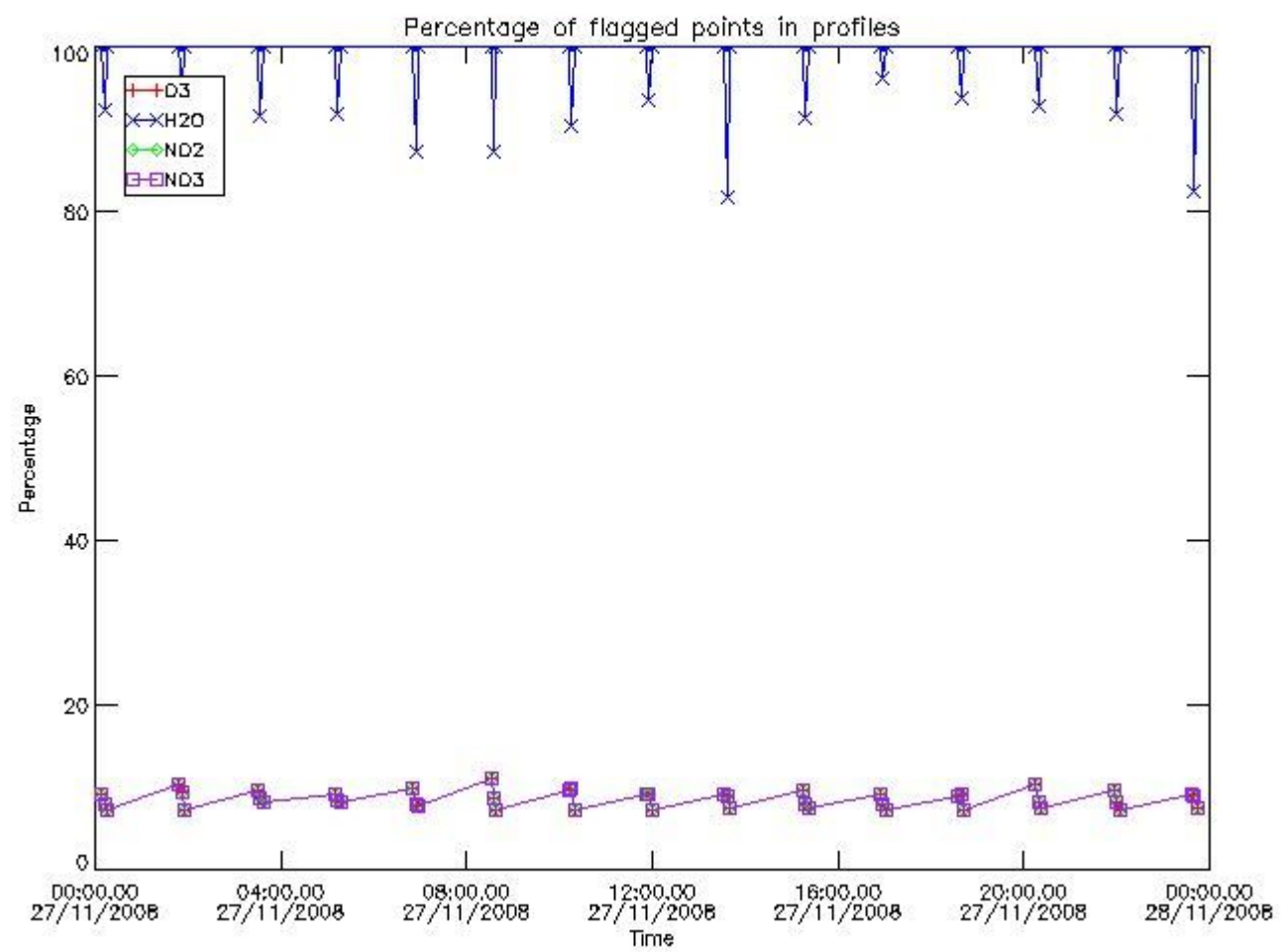
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20081127_000811_00000562074_00131_35255_3212.N1	27-NOV-2008 00:08:11	Dark	55.500	70	Zet Pup	2.2460	39000.	111	35255	No
2	GOM_NL__2PRFIN20081127_001150_00000652074_00131_35255_3213.N1	27-NOV-2008 00:11:50	Dark	65.000	117	Pi Pup	2.7060	3800.0	130	35255	No
3	GOM_NL__2PRFIN20081127_001545_00000712074_00131_35255_3214.N1	27-NOV-2008 00:15:45	Dark	71.000	23	21Eps CMa	1.5020	26000.	142	35255	No
4	GOM_NL__2PRFIN20081127_001759_00000792074_00131_35255_3215.N1	27-NOV-2008 00:17:59	Straylight	78.500	179	24Omi2CMa	3.0320	24000.	157	35255	No
5	GOM_NL__2PRFIN20081127_002242_000001012074_00131_35255_3216.N1	27-NOV-2008 00:22:42	Straylight	101.00	1	9Alp CMa	-1.4400	11000.	202	35255	No
6	GOM_NL__2PRFIN20081127_002636_00000622074_00131_35255_3217.N1	27-NOV-2008 00:26:36	Straylight	61.500	7	19Bet Ori	0.10000	14000.	123	35255	No
7	GOM_NL__2PRFIN20081127_002956_00000702074_00131_35255_3218.N1	27-NOV-2008 00:29:56	Twilight_stray	69.500	30	46Eps Ori	1.6940	30000.	139	35255	No
8	GOM_NL__2PRFIN20081127_003248_00000792074_00131_35255_3219.N1	27-NOV-2008 00:32:48	Bright	79.000	27	24Gam Ori	1.6360	26000.	158	35255	No
9	GOM_NL__2PRFIN20081127_003452_00000532074_00131_35255_3220.N1	27-NOV-2008 00:34:52	Bright	53.000	13	87Alp Tau	0.86700	3800.0	106	35255	No
10	GOM_NL__2PRFIN20081127_004059_00000492074_00131_35255_3221.N1	27-NOV-2008 00:40:59	Bright	48.500	114	3Iot Aur	2.6930	4600.0	97	35255	No
11	GOM_NL__2PRFIN20081127_004524_00000492074_00131_35255_3222.N1	27-NOV-2008 00:45:24	Bright	49.000	6	13Alp Aur	0.080000	3400.0	98	35255	No
12	GOM_NL__2PRFIN20081127_004731_00000532074_00131_35255_3223.N1	27-NOV-2008 00:47:31	Bright	52.500	42	34Bet Aur	1.9000	10200.	105	35255	No
13	GOM_NL__2PRFIN20081127_010718_00000512074_00131_35255_3224.N1	27-NOV-2008 01:07:18	Bright	50.500	174	52Psi UMa	3.0040	4400.0	101	35255	No
14	GOM_NL__2PRFIN20081127_011742_00000602074_00131_35255_3225.N1	27-NOV-2008 01:17:42	Bright	59.500	96	68Del Leo	2.5600	9300.0	119	35255	No
15	GOM_NL__2PRFIN20081127_014848_00000542074_00132_35256_3240.N1	27-NOV-2008 01:48:48	Dark	53.500	70	Zet Pup	2.2460	39000.	107	35256	No
16	GOM_NL__2PRFIN20081127_015227_00000602074_00132_35256_3241.N1	27-NOV-2008 01:52:27	Dark	60.000	117	Pi Pup	2.7060	3800.0	120	35256	No
17	GOM_NL__2PRFIN20081127_015622_00000712074_00132_35256_3242.N1	27-NOV-2008 01:56:22	Dark	70.500	23	21Eps CMa	1.5020	26000.	141	35256	No
18	GOM_NL__2PRFIN20081127_015836_00000782074_00132_35256_3243.N1	27-NOV-2008 01:58:36	Straylight	77.500	179	24Omi2CMa	3.0320	24000.	155	35256	No
19	GOM_NL__2PRFIN20081127_020318_000001062074_00132_35256_3244.N1	27-NOV-2008 02:03:18	Straylight	105.50	1	9Alp CMa	-1.4400	11000.	211	35256	No
20	GOM_NL__2PRFIN20081127_020712_00000622074_00132_35256_3245.N1	27-NOV-2008 02:07:12	Straylight	62.000	7	19Bet Ori	0.10000	14000.	124	35256	No
21	GOM_NL__2PRFIN20081127_021032_00000692074_00132_35256_3246.N1	27-NOV-2008 02:10:32	Twilight_stray	69.000	30	46Eps Ori	1.6940	30000.	138	35256	No
22	GOM_NL__2PRFIN20081127_021323_00000632074_00132_35256_3247.N1	27-NOV-2008 02:13:23	Bright	62.500	27	24Gam Ori	1.6360	26000.	125	35256	No
23	GOM_NL__2PRFIN20081127_021527_00000552074_00132_35256_3248.N1	27-NOV-2008 02:15:27	Bright	55.000	13	87Alp Tau	0.86700	3800.0	110	35256	No
24	GOM_NL__2PRFIN20081127_022134_00000492074_00132_35256_3249.N1	27-NOV-2008 02:21:34	Bright	49.000	114	3Iot Aur	2.6930	4600.0	98	35256	No
25	GOM_NL__2PRFIN20081127_022600_00000482074_00132_35256_3250.N1	27-NOV-2008 02:26:00	Bright	48.000	6	13Alp Aur	0.080000	3400.0	96	35256	No
26	GOM_NL__2PRFIN20081127_022806_00000532074_00132_35256_3251.N1	27-NOV-2008 02:28:06	Bright	53.000	42	34Bet Aur	1.9000	10200.	106	35256	No
27	GOM_NL__2PRFIN20081127_024754_00000502074_00132_35256_3252.N1	27-NOV-2008 02:47:54	Bright	49.500	174	52Psi UMa	3.0040	4400.0	99	35256	No
28	GOM_NL__2PRFIN20081127_025819_00000652074_00132_35256_3253.N1	27-NOV-2008 02:58:19	Bright	65.000	96	68Del Leo	2.5600	9300.0	130	35256	No
29	GOM_NL__2PRFIN20081127_032925_00000542074_00133_35257_3265.N1	27-NOV-2008 03:29:25	Dark	53.500	70	Zet Pup	2.2460	39000.	107	35257	No
30	GOM_NL__2PRFIN20081127_033304_00000592074_00133_35257_3266.N1	27-NOV-2008 03:33:04	Dark	59.000	117	Pi Pup	2.7060	3800.0	118	35257	No
31	GOM_NL__2PRFIN20081127_033659_00000682074_00133_35257_3267.N1	27-NOV-2008 03:36:59	Dark	67.500	23	21Eps CMa	1.5020	26000.	135	35257	No
32	GOM_NL__2PRFIN20081127_033912_00000782074_00133_35257_3268.N1	27-NOV-2008 03:39:12	Straylight	78.000	179	24Omi2CMa	3.0320	24000.	156	35257	No
33	GOM_NL__2PRFIN20081127_034354_000001052074_00133_35257_3269.N1	27-NOV-2008 03:43:54	Straylight	104.50	1	9Alp CMa	-1.4400	11000.	209	35257	No
34	GOM_NL__2PRFIN20081127_034748_00000622074_00133_35257_3270.N1	27-NOV-2008 03:47:48	Straylight	62.000	7	19Bet Ori	0.10000	14000.	124	35257	No
35	GOM_NL__2PRFIN20081127_035107_00000662074_00133_35257_3271.N1	27-NOV-2008 03:51:07	Twilight_stray	65.500	30	46Eps Ori	1.6940	30000.	131	35257	No
36	GOM_NL__2PRFIN20081127_035359_00000782074_00133_35257_3272.N1	27-NOV-2008 03:53:59	Bright	78.000	27	24Gam Ori	1.6360	26000.	156	35257	No
37	GOM_NL__2PRFIN20081127_035608_00000492074_00133_35257_3273.N1	27-NOV-2008 03:56:08	Bright	49.000	13	87Alp Tau	0.86700	3800.0	98	35257	No
38	GOM_NL__2PRFIN20081127_040209_00000492074_00133_35257_3274.N1	27-NOV-2008 04:02:09	Bright	48.500	114	3Iot Aur	2.6930	4600.0	97	35257	No
39	GOM_NL__2PRFIN20081127_040635_00000472074_00133_35257_3275.N1	27-NOV-2008 04:06:35	Bright	47.000	6	13Alp Aur	0.080000	3400.0	94	35257	No
40	GOM_NL__2PRFIN20081127_040840_00000542074_00133_35257_3276.N1	27-NOV-2008 04:08:40	Bright	53.500	42	34Bet Aur	1.9000	10200.	107	35257	No
41	GOM_NL__2PRFIN20081127_042830_00000522074_00133_35257_3277.N1	27-NOV-2008 04:28:30	Bright	51.500	174	52Psi UMa	3.0040	4400.0	103	35257	No
42	GOM_NL__2PRFIN20081127_043855_00000642074_00133_35257_3278.N1	27-NOV-2008 04:38:55	Bright	64.000	96	68Del Leo	2.5600	9300.0	128	35257	No

161	GOM_NL__2PRFIN20081127_185626_000000702074_00142_35266_3583.N1	27-NOV-2008 18:56:26	Twilight	70.000	30	46Eps Ori	1.6940	30000.	140	35266	No
162	GOM_NL__2PRFIN20081127_185916_000000792074_00142_35266_3584.N1	27-NOV-2008 18:59:16	Bright	78.500	27	24Gam Ori	1.6360	26000.	157	35266	No
163	GOM_NL__2PRFIN20081127_190122_000000862074_00142_35266_3585.N1	27-NOV-2008 19:01:22	Bright	86.000	14	58Alp Ori	0.87000	3000.0	172	35266	No
164	GOM_NL__2PRFIN20081127_190546_000000602074_00142_35266_3586.N1	27-NOV-2008 19:05:46	Bright	59.500	176	23Zet Tau	3.0200	22000.	119	35266	No
165	GOM_NL__2PRFIN20081127_191152_000000492074_00142_35266_3587.N1	27-NOV-2008 19:11:52	Bright	48.500	6	13Alp Aur	0.080000	3400.0	97	35266	No
166	GOM_NL__2PRFIN20081127_191354_000000542074_00142_35266_3588.N1	27-NOV-2008 19:13:54	Bright	54.000	42	34Bet Aur	1.9000	10200.	108	35266	No
167	GOM_NL__2PRFIN20081127_193351_000000522074_00142_35266_3589.N1	27-NOV-2008 19:33:51	Bright	51.500	174	52Psi UMa	3.0040	4400.0	103	35266	No
168	GOM_NL__2PRFIN20081127_194425_000000652074_00142_35266_3590.N1	27-NOV-2008 19:44:25	Bright	65.000	96	68Del Leo	2.5600	9300.0	130	35266	No
169	GOM_NL__2PRFIN20081127_201536_000000552074_00143_35267_3603.N1	27-NOV-2008 20:15:36	Dark	54.500	70	Zet Pup	2.2460	39000.	109	35267	No
170	GOM_NL__2PRFIN20081127_201912_000000622074_00143_35267_3604.N1	27-NOV-2008 20:19:12	Dark	62.000	117	Pi Pup	2.7060	3800.0	124	35267	No
171	GOM_NL__2PRFIN20081127_202306_000000692074_00143_35267_3605.N1	27-NOV-2008 20:23:06	Dark	68.500	23	21Eps CMa	1.5020	26000.	137	35267	No
172	GOM_NL__2PRFIN20081127_202519_000000782074_00143_35267_3606.N1	27-NOV-2008 20:25:19	Straylight	77.500	179	24Omi2CMa	3.0320	24000.	155	35267	No
173	GOM_NL__2PRFIN20081127_202955_000001002074_00143_35267_3607.N1	27-NOV-2008 20:29:55	Straylight	99.500	1	9Alp CMa	-1.4400	11000.	199	35267	No
174	GOM_NL__2PRFIN20081127_203346_000000642074_00143_35267_3608.N1	27-NOV-2008 20:33:46	Straylight	63.500	7	19Bet Ori	0.10000	14000.	127	35267	No
175	GOM_NL__2PRFIN20081127_203702_000000712074_00143_35267_3609.N1	27-NOV-2008 20:37:02	Twilight	71.000	30	46Eps Ori	1.6940	30000.	142	35267	No
176	GOM_NL__2PRFIN20081127_203952_000000662074_00143_35267_3610.N1	27-NOV-2008 20:39:52	Bright	65.500	27	24Gam Ori	1.6360	26000.	131	35267	No
177	GOM_NL__2PRFIN20081127_204157_000000892074_00143_35267_3611.N1	27-NOV-2008 20:41:57	Bright	88.500	14	58Alp Ori	0.87000	3000.0	177	35267	No
178	GOM_NL__2PRFIN20081127_204621_000000612074_00143_35267_3612.N1	27-NOV-2008 20:46:21	Bright	60.500	176	23Zet Tau	3.0200	22000.	121	35267	No
179	GOM_NL__2PRFIN20081127_205227_000000492074_00143_35267_3613.N1	27-NOV-2008 20:52:27	Bright	48.500	6	13Alp Aur	0.080000	3400.0	97	35267	No
180	GOM_NL__2PRFIN20081127_205429_000000532074_00143_35267_3614.N1	27-NOV-2008 20:54:29	Bright	53.000	42	34Bet Aur	1.9000	10200.	106	35267	No
181	GOM_NL__2PRFIN20081127_211427_000000492074_00143_35267_3615.N1	27-NOV-2008 21:14:27	Bright	48.500	174	52Psi UMa	3.0040	4400.0	97	35267	No
182	GOM_NL__2PRFIN20081127_212501_000000632074_00143_35267_3616.N1	27-NOV-2008 21:25:01	Bright	62.500	96	68Del Leo	2.5600	9300.0	125	35267	No
183	GOM_NL__2PRFIN20081127_215613_000000532074_00144_35268_3632.N1	27-NOV-2008 21:56:13	Dark	53.000	70	Zet Pup	2.2460	39000.	106	35268	No
184	GOM_NL__2PRFIN20081127_215949_000000622074_00144_35268_3633.N1	27-NOV-2008 21:59:49	Dark	62.000	117	Pi Pup	2.7060	3800.0	124	35268	No
185	GOM_NL__2PRFIN20081127_220343_000000702074_00144_35268_3634.N1	27-NOV-2008 22:03:43	Dark	70.000	23	21Eps CMa	1.5020	26000.	140	35268	No
186	GOM_NL__2PRFIN20081127_220555_000000732074_00144_35268_3635.N1	27-NOV-2008 22:05:55	Straylight	73.000	179	24Omi2CMa	3.0320	24000.	146	35268	No
187	GOM_NL__2PRFIN20081127_221031_000001052074_00144_35268_3636.N1	27-NOV-2008 22:10:31	Straylight	104.50	1	9Alp CMa	-1.4400	11000.	209	35268	No
188	GOM_NL__2PRFIN20081127_221422_000000602074_00144_35268_3637.N1	27-NOV-2008 22:14:22	Straylight	59.500	7	19Bet Ori	0.10000	14000.	119	35268	No
189	GOM_NL__2PRFIN20081127_221737_000000682074_00144_35268_3638.N1	27-NOV-2008 22:17:37	Twilight	68.000	30	46Eps Ori	1.6940	30000.	136	35268	No
190	GOM_NL__2PRFIN20081127_222027_000000632074_00144_35268_3639.N1	27-NOV-2008 22:20:27	Bright	62.500	27	24Gam Ori	1.6360	26000.	125	35268	No
191	GOM_NL__2PRFIN20081127_222232_000000842074_00144_35268_3640.N1	27-NOV-2008 22:22:32	Bright	84.000	14	58Alp Ori	0.87000	3000.0	168	35268	No
192	GOM_NL__2PRFIN20081127_222655_000000582074_00144_35268_3641.N1	27-NOV-2008 22:26:55	Bright	58.000	176	23Zet Tau	3.0200	22000.	116	35268	No
193	GOM_NL__2PRFIN20081127_223302_000000492074_00144_35268_3642.N1	27-NOV-2008 22:33:02	Bright	49.000	6	13Alp Aur	0.080000	3400.0	98	35268	No
194	GOM_NL__2PRFIN20081127_223504_000000532074_00144_35268_3643.N1	27-NOV-2008 22:35:04	Bright	53.000	42	34Bet Aur	1.9000	10200.	106	35268	No
195	GOM_NL__2PRFIN20081127_225503_000000522074_00144_35268_3644.N1	27-NOV-2008 22:55:03	Bright	51.500	174	52Psi UMa	3.0040	4400.0	103	35268	No
196	GOM_NL__2PRFIN20081127_230538_000000622074_00144_35268_3645.N1	27-NOV-2008 23:05:38	Bright	61.500	96	68Del Leo	2.5600	9300.0	123	35268	No
197	GOM_NL__2PRFIN20081127_233650_000000562074_00145_35269_3671.N1	27-NOV-2008 23:36:50	Dark	56.000	70	Zet Pup	2.2460	39000.	112	35269	No
198	GOM_NL__2PRFIN20081127_234026_000000582074_00145_35269_3672.N1	27-NOV-2008 23:40:26	Dark	57.500	117	Pi Pup	2.7060	3800.0	115	35269	No
199	GOM_NL__2PRFIN20081127_234419_000000692074_00145_35269_3673.N1	27-NOV-2008 23:44:19	Dark	68.500	23	21Eps CMa	1.5020	26000.	137	35269	No
200	GOM_NL__2PRFIN20081127_234632_000000782074_00145_35269_3674.N1	27-NOV-2008 23:46:32	Straylight	77.500	179	24Omi2CMa	3.0320	24000.	155	35269	No
201	GOM_NL__2PRFIN20081127_235107_000001022074_00145_35269_3675.N1	27-NOV-2008 23:51:07	Straylight	101.50	1	9Alp CMa	-1.4400	11000.	203	35269	No
202	GOM_NL__2PRFIN20081127_235458_000000622074_00145_35269_3676.N1	27-NOV-2008 23:54:58	Straylight	61.500	7	19Bet Ori	0.10000	14000.	123	35269	No
203	GOM_NL__2PRFIN20081127_235813_000000672074_00145_35269_3677.N1	27-NOV-2008 23:58:13	Twilight	66.500	30	46Eps Ori	1.6940	30000.	133	35269	No

3. Quality information per product

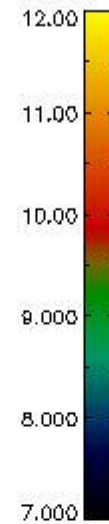
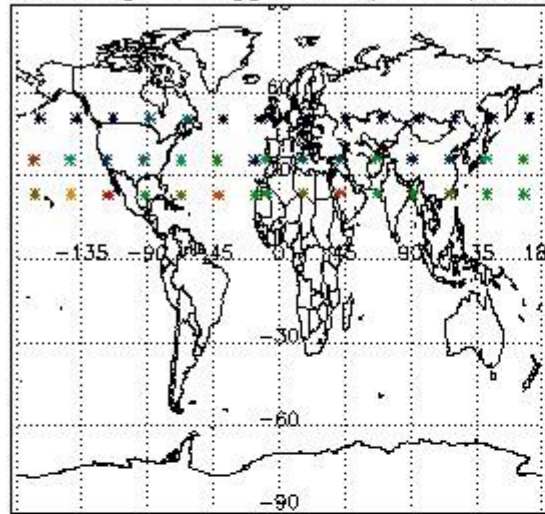
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

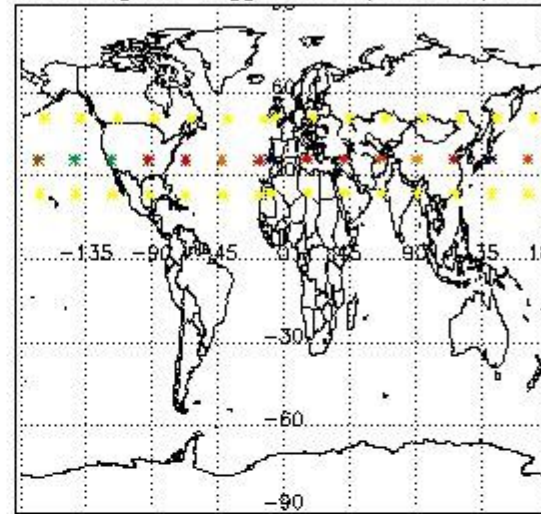


3.2 Plot quality information per product (world map)

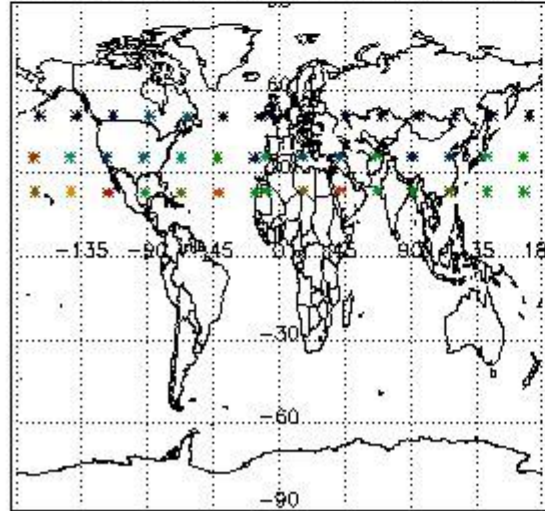
Percentage of flagged data per O3 profile



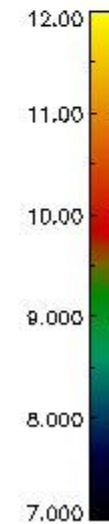
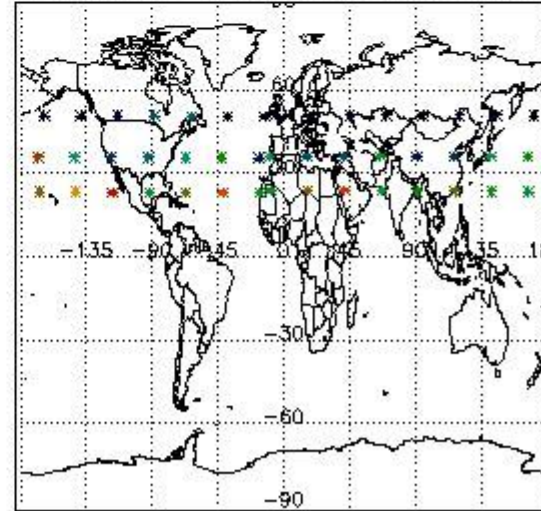
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

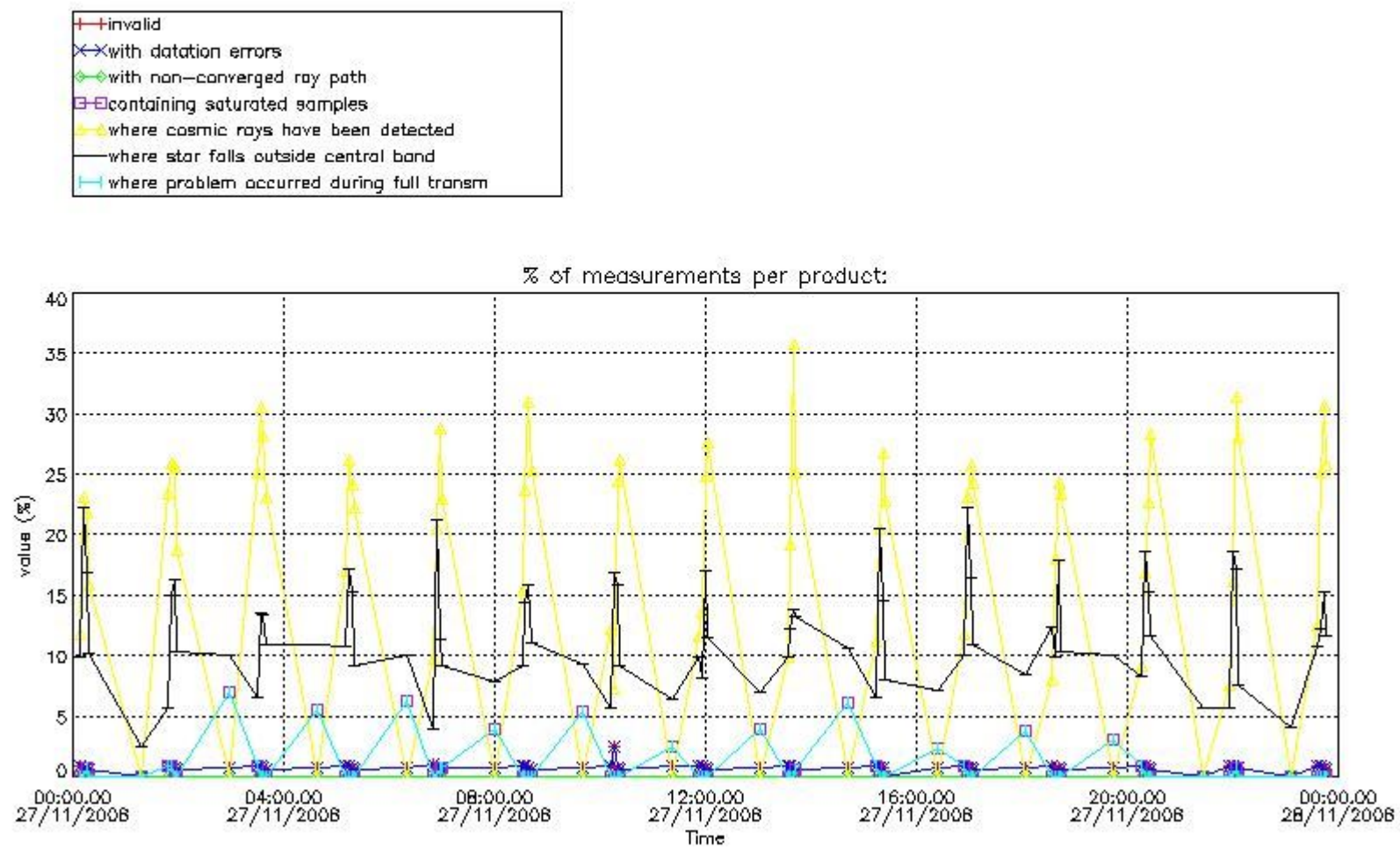


4. Level 1 quality information per product

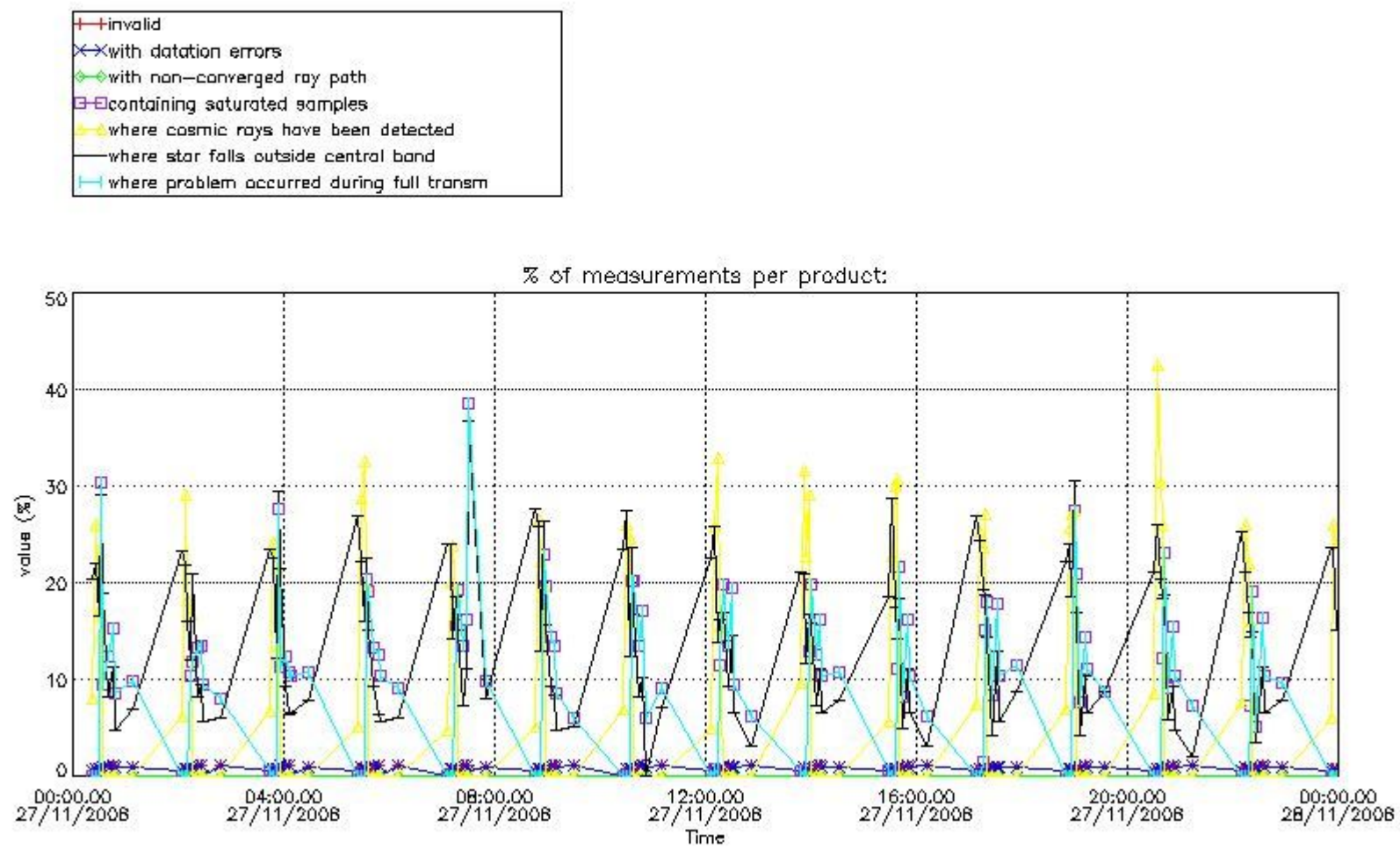
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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

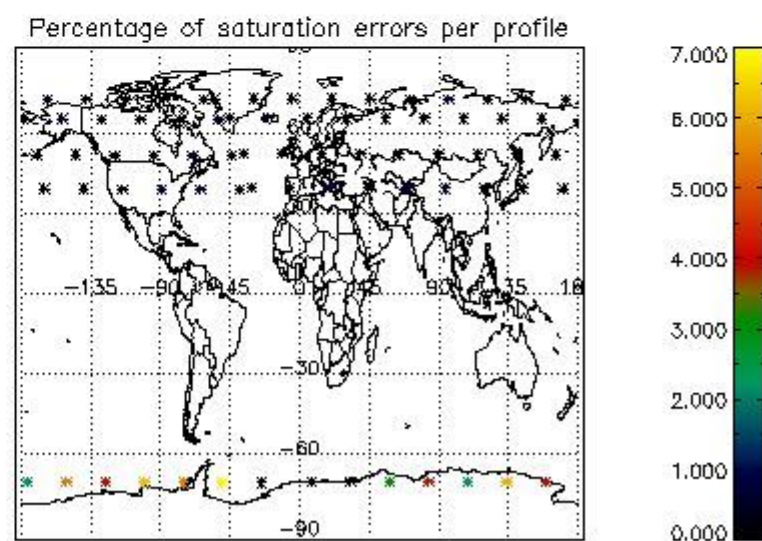
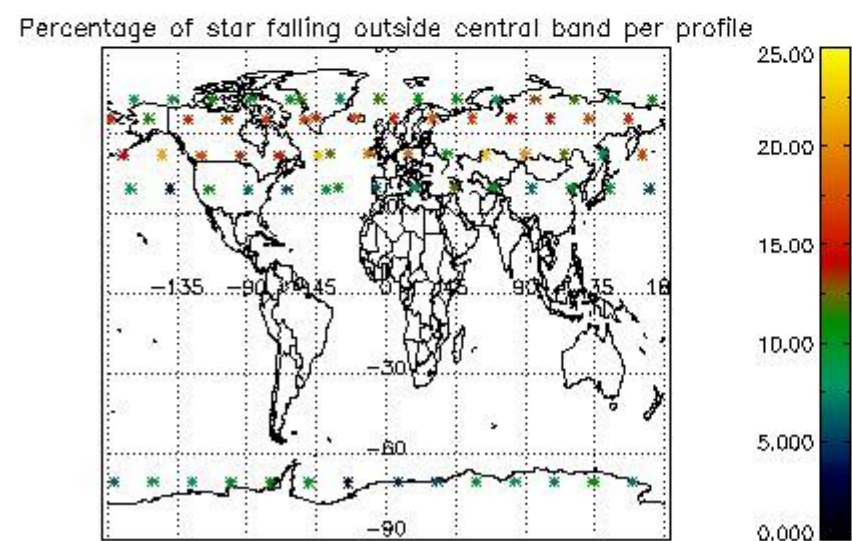
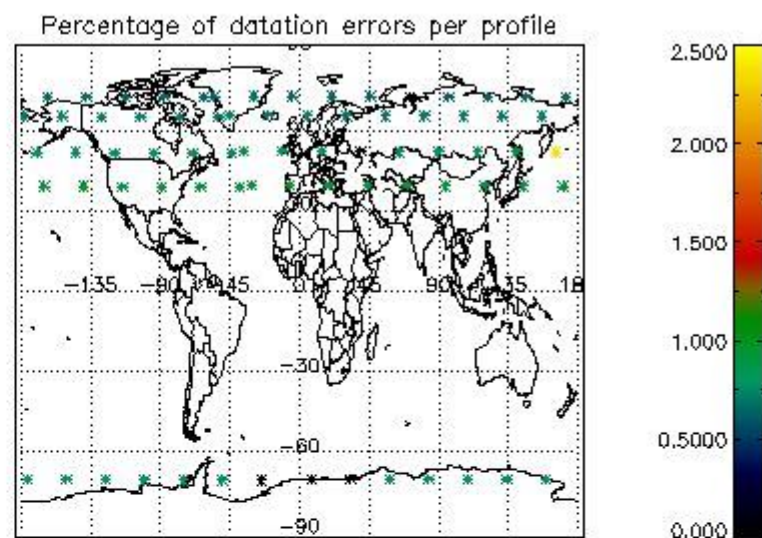
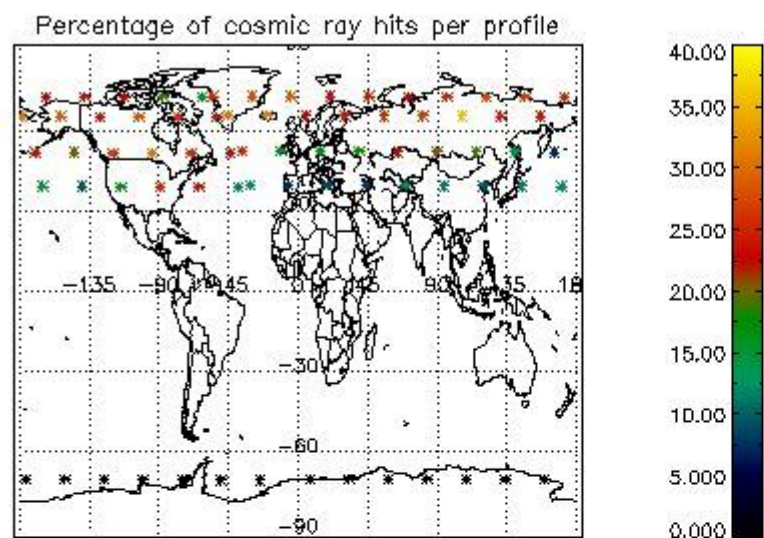


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

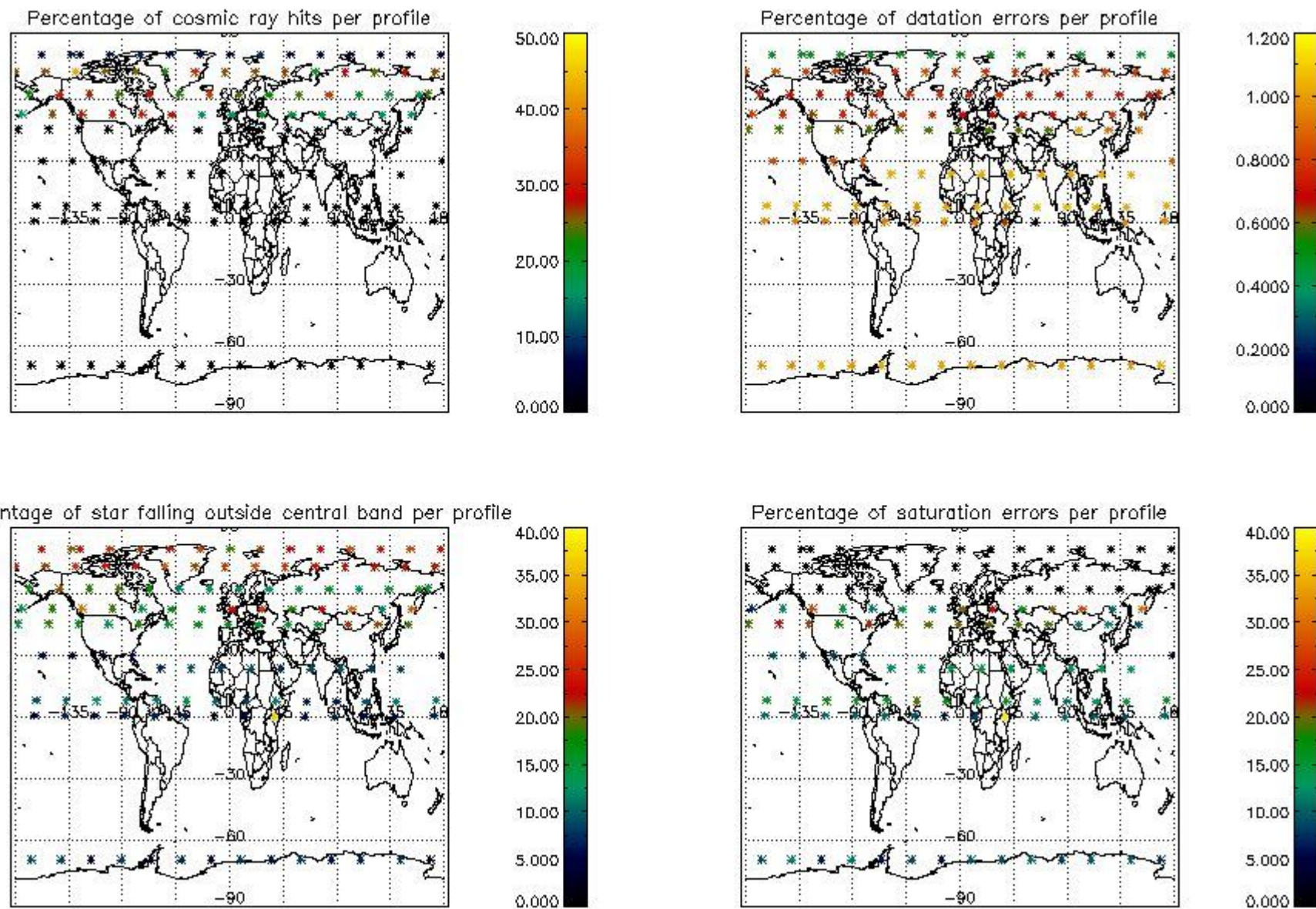


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/o3_std of the level 2 products. The table below shows the statistics for given STD ranges.

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

- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

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

- Products in dark limb illumination condition: GOM_NL__2P/NL_SUMMARY_QUALITY/obs_ill_cond=0
- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

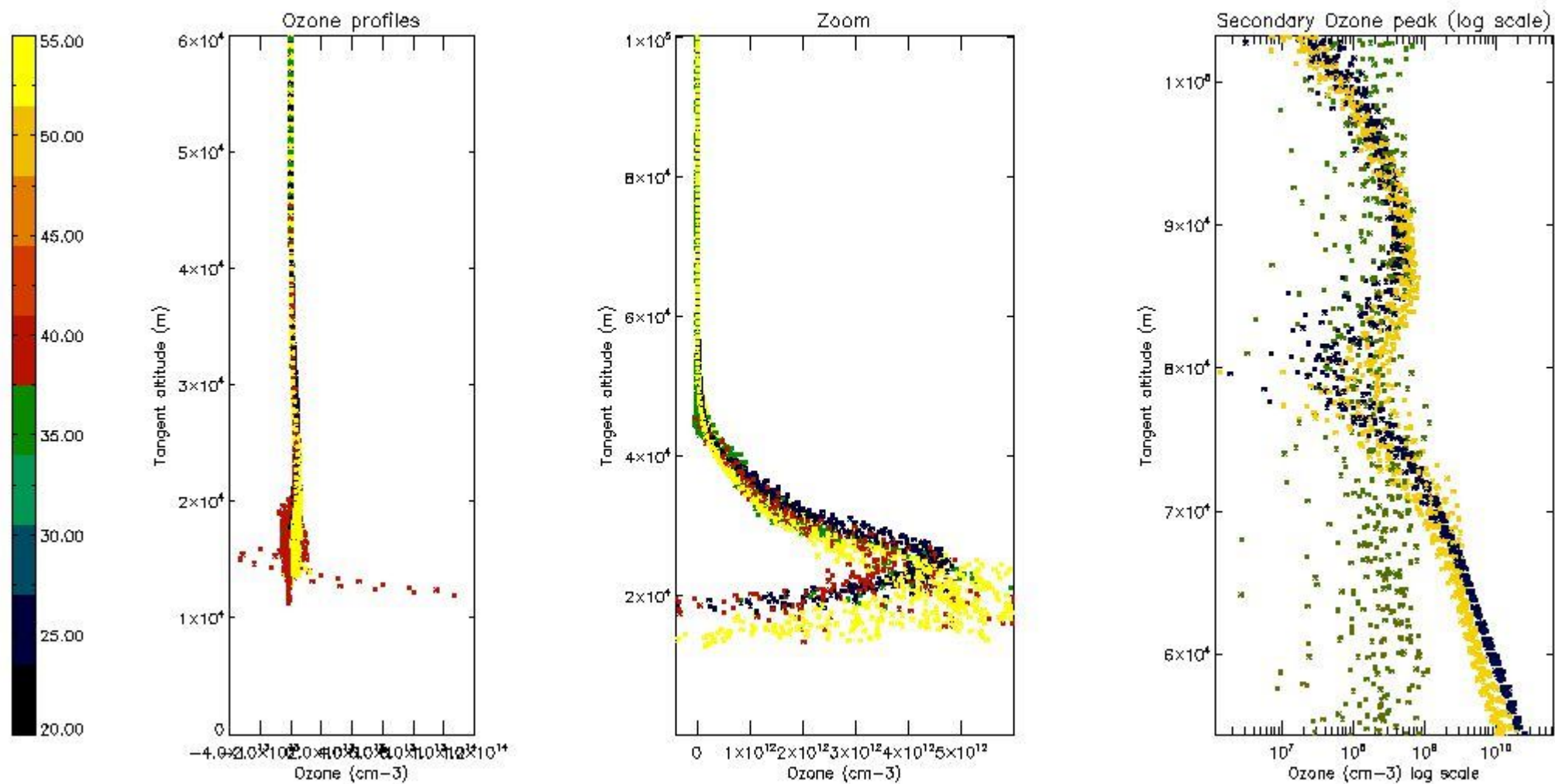
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	21
STD < 20	13

STD < 10	10
STD < 5	8

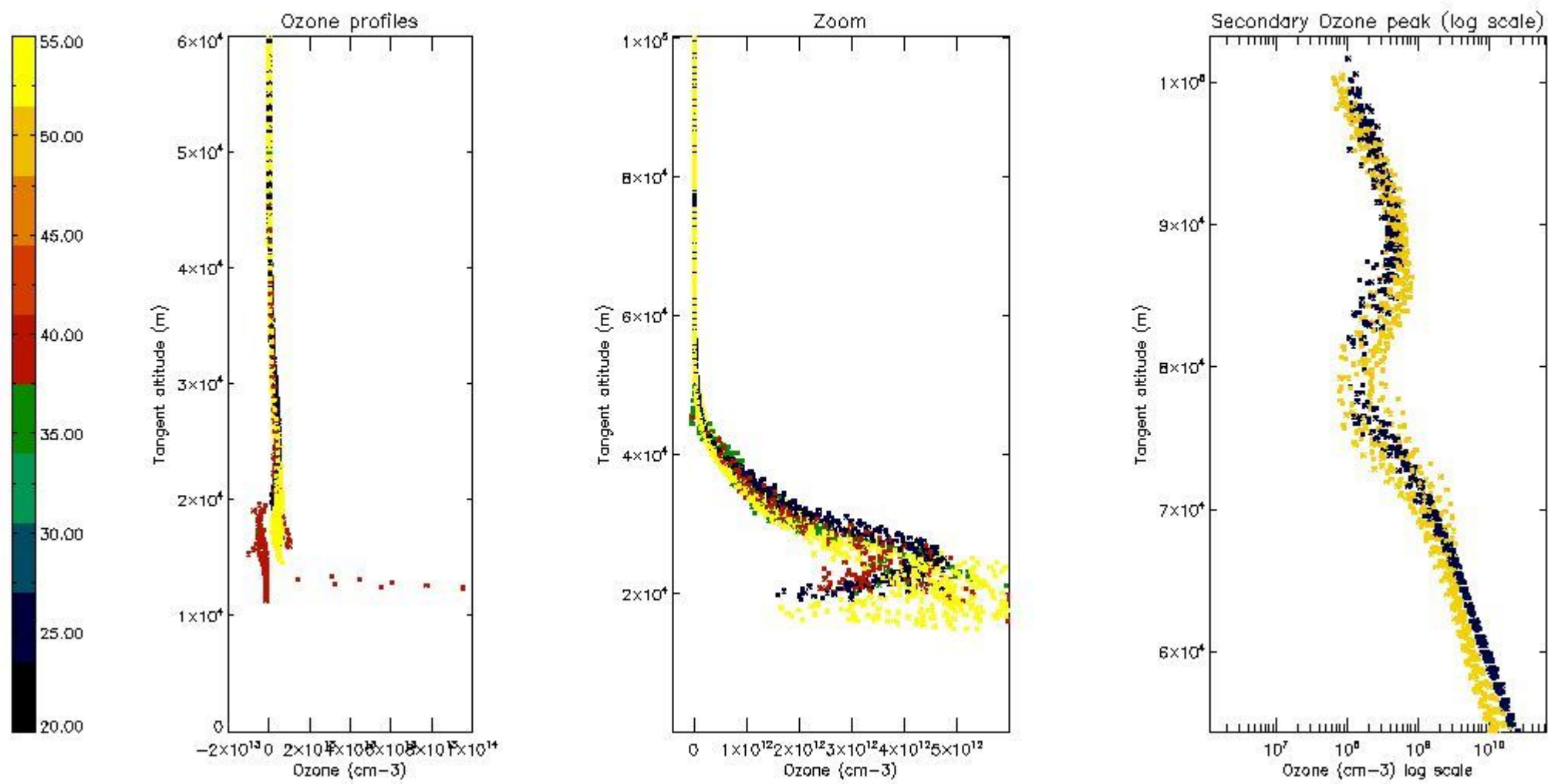
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



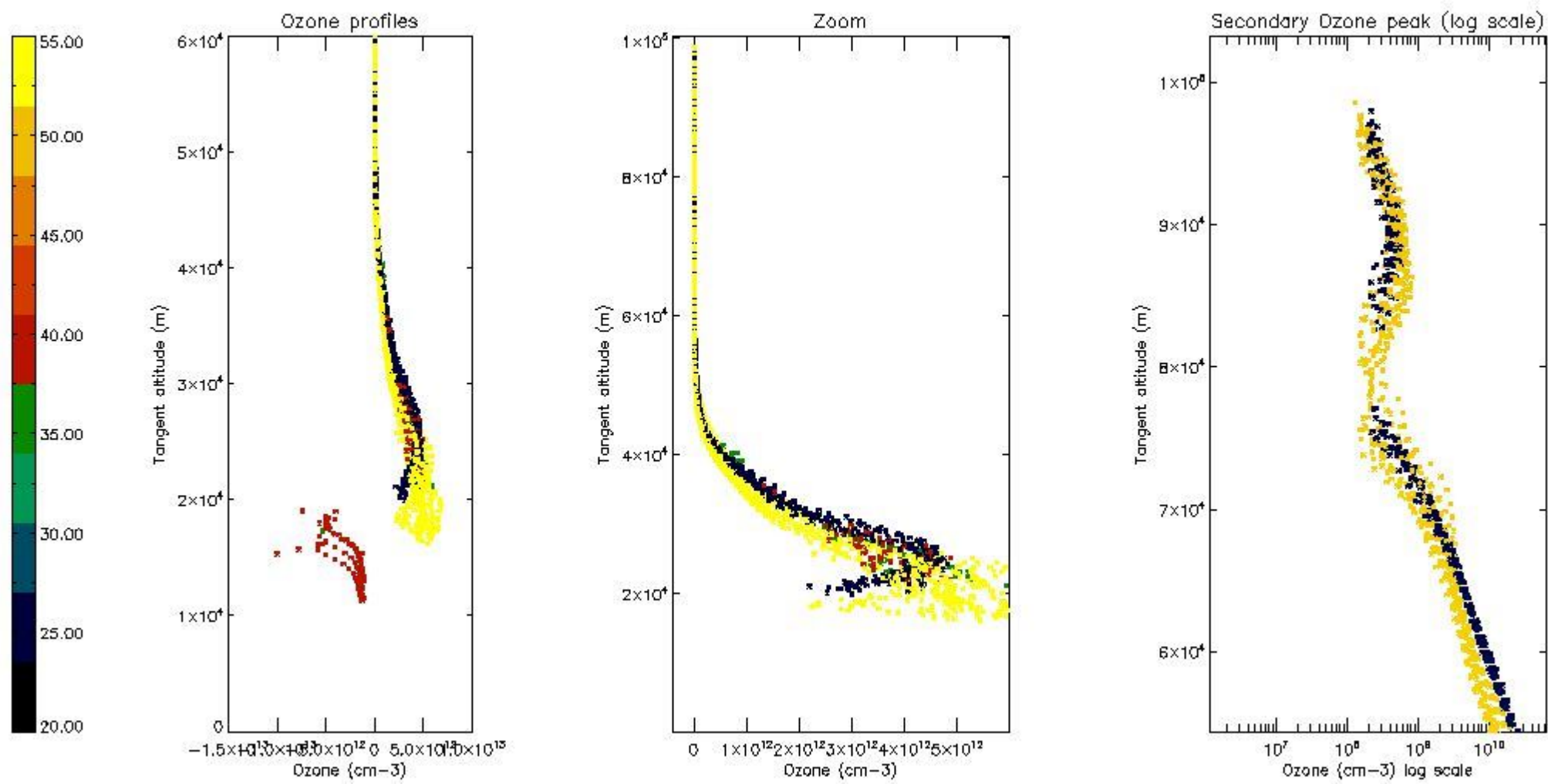
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



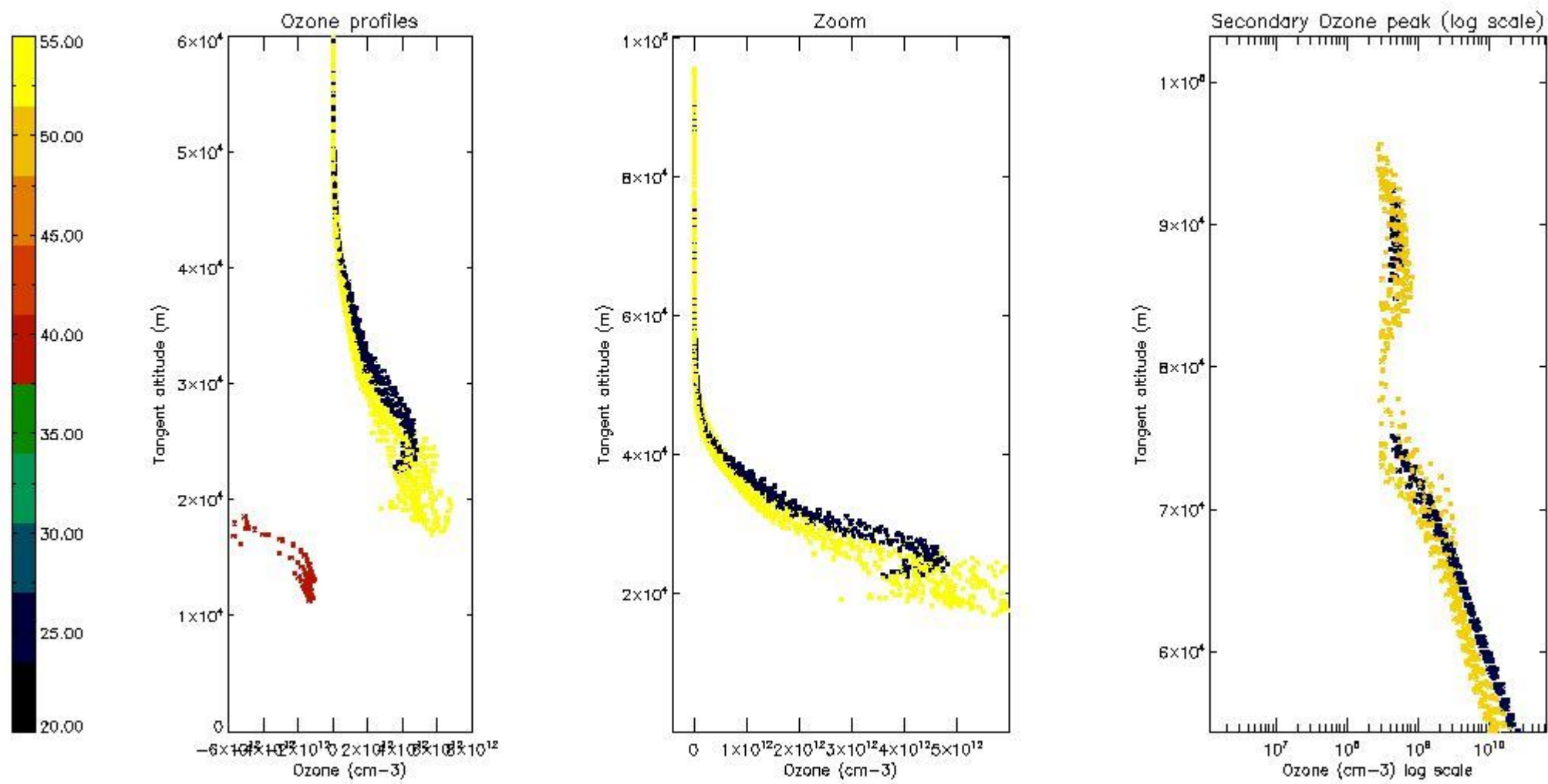
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



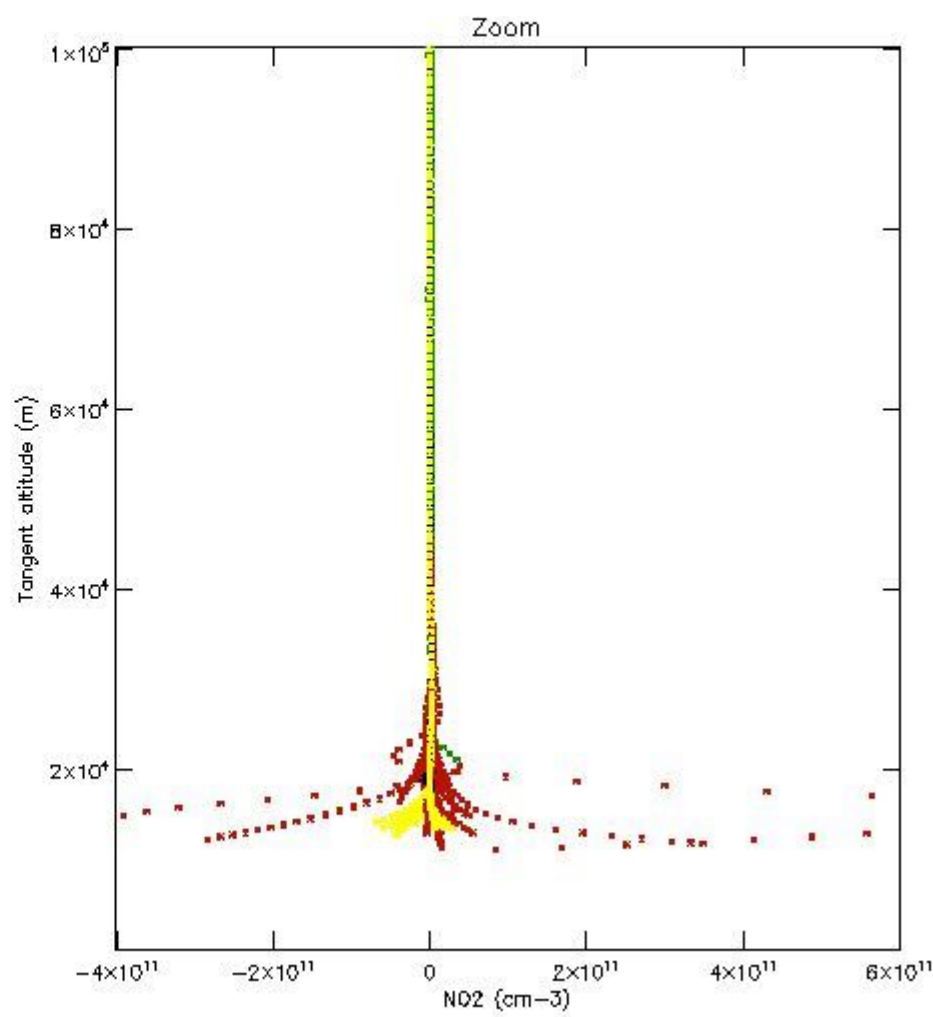
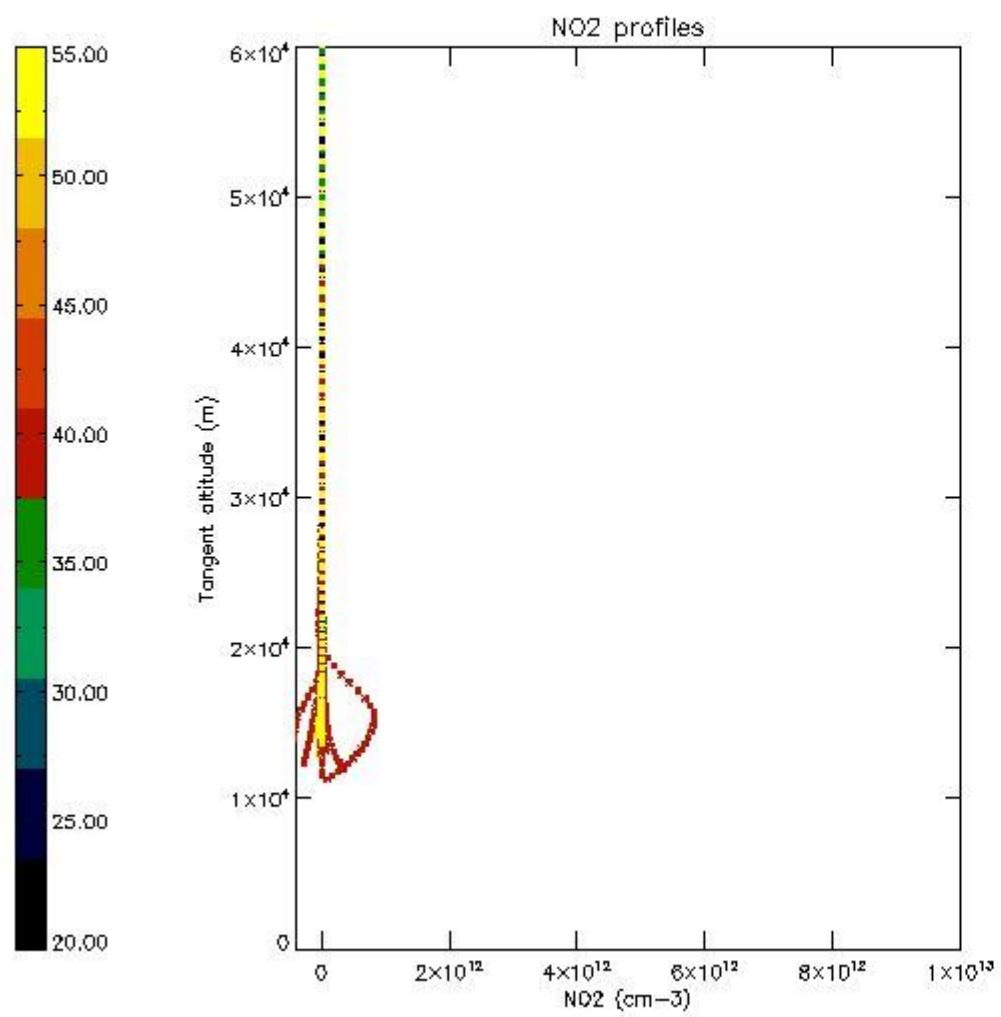
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



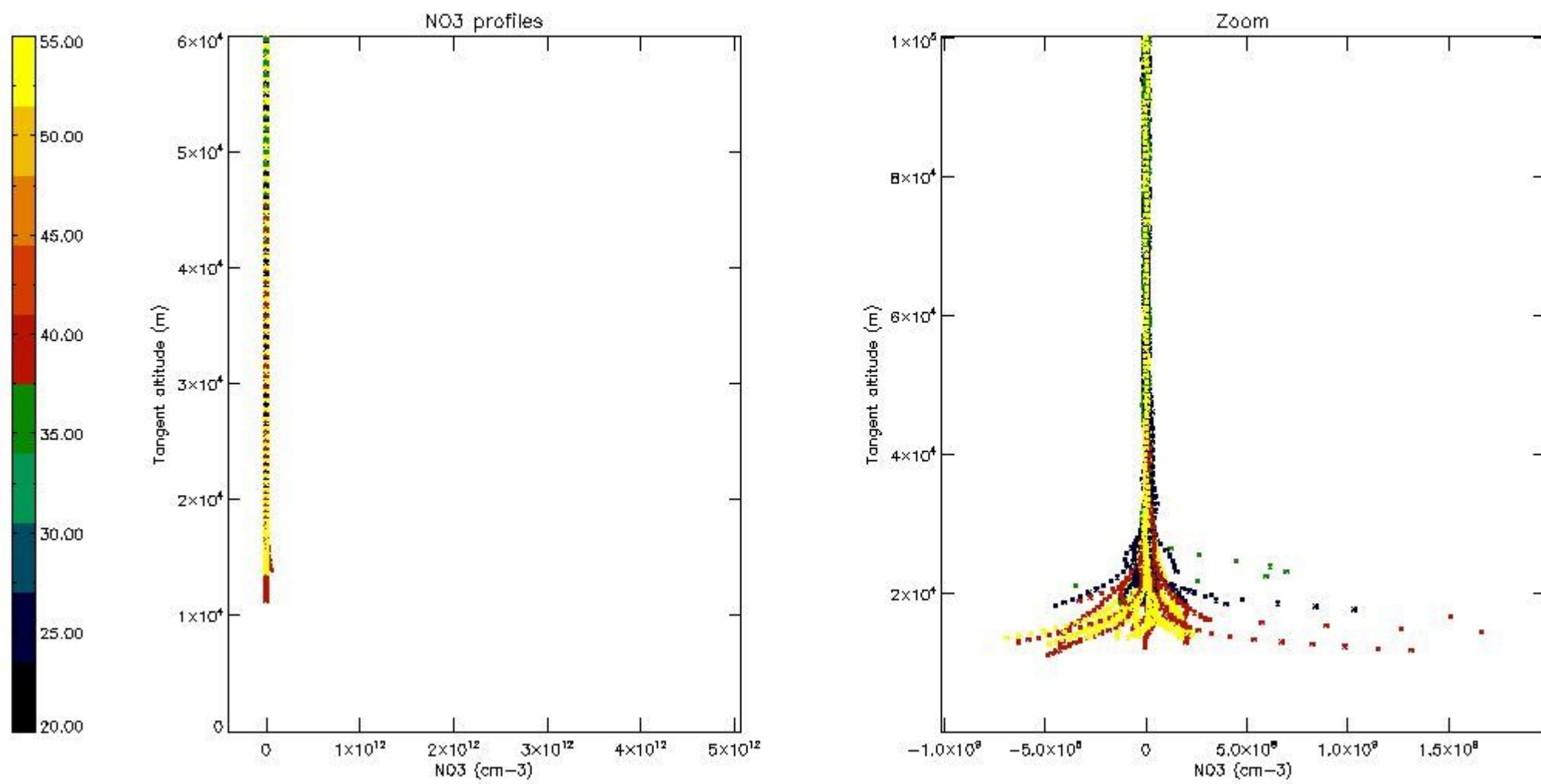
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



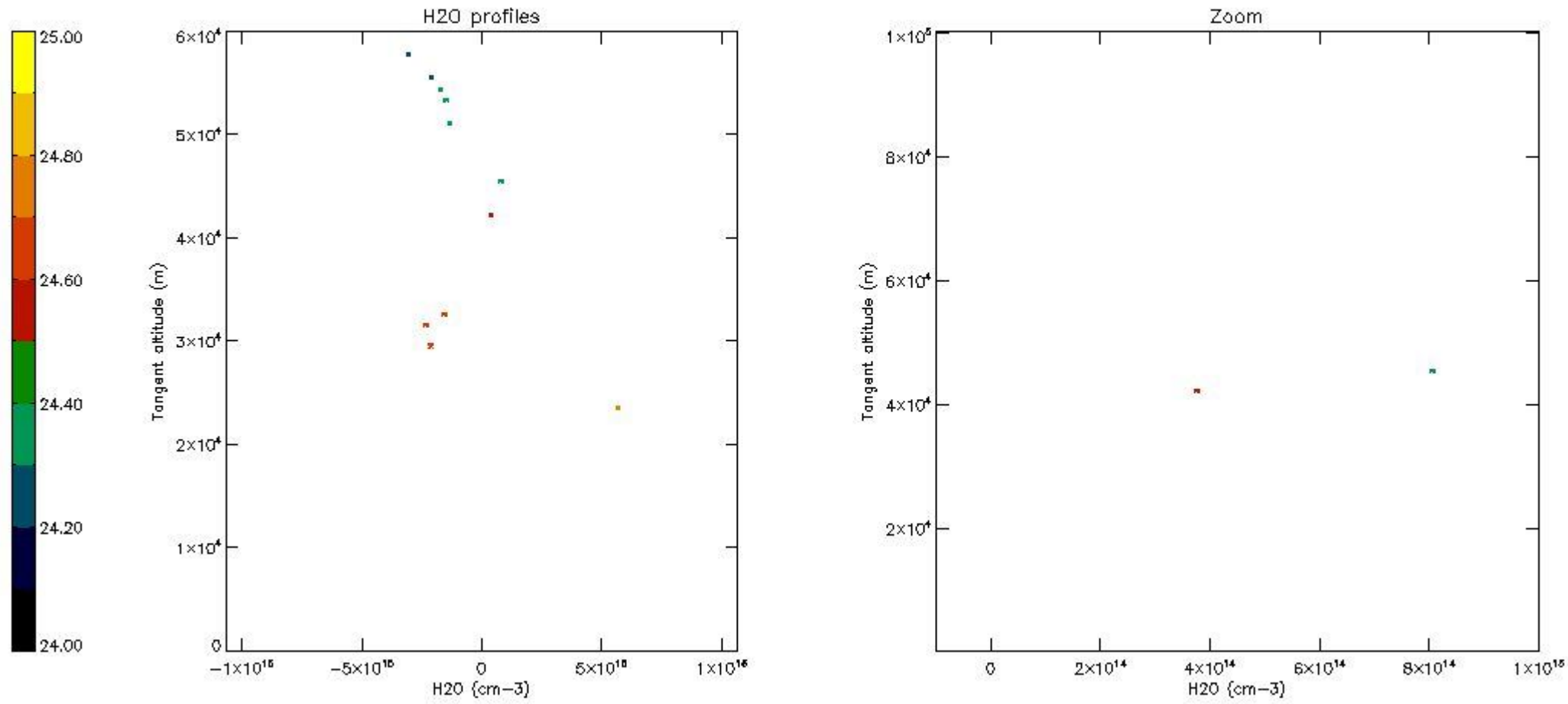
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	27-NOV-2008 00:08:11
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	27-NOV-2008 00:08:11
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	27-NOV-2008 00:08:11

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	25APR2013 22:50:35
Data source version	GOMOS/6.01
Start time of products	27-11-2008 (27NOV2008 00:00:00)
Stop time of products	28-11-2008 (28NOV2008 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	203
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

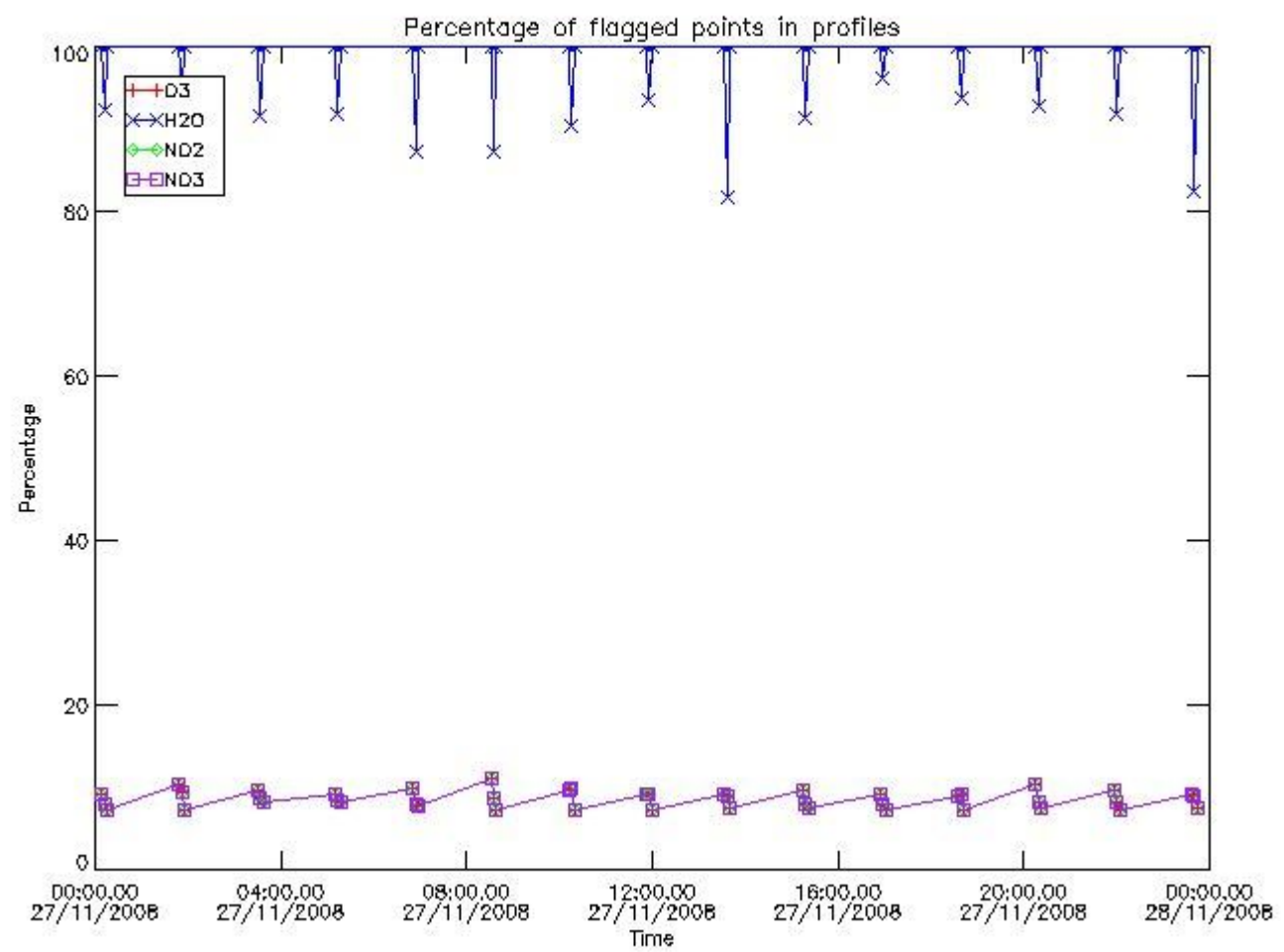
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20081127_000811_000000562074_00131_35255_3212.N1	27-NOV-2008 00:08:11	Dark	55.500	70	Zet Pup	2.2460	39000.	111	35255	No
2	GOM_NL__2PRFIN20081127_001150_000000652074_00131_35255_3213.N1	27-NOV-2008 00:11:50	Dark	65.000	117	Pi Pup	2.7060	3800.0	130	35255	No
3	GOM_NL__2PRFIN20081127_001545_000000712074_00131_35255_3214.N1	27-NOV-2008 00:15:45	Dark	71.000	23	21Eps CMa	1.5020	26000.	142	35255	No
4	GOM_NL__2PRFIN20081127_001759_000000792074_00131_35255_3215.N1	27-NOV-2008 00:17:59	Straylight	78.500	179	24Omi2CMa	3.0320	24000.	157	35255	No
5	GOM_NL__2PRFIN20081127_002242_000001012074_00131_35255_3216.N1	27-NOV-2008 00:22:42	Straylight	101.00	1	9Alp CMa	-1.4400	11000.	202	35255	No
6	GOM_NL__2PRFIN20081127_002636_000000622074_00131_35255_3217.N1	27-NOV-2008 00:26:36	Straylight	61.500	7	19Bet Ori	0.10000	14000.	123	35255	No
7	GOM_NL__2PRFIN20081127_002956_000000702074_00131_35255_3218.N1	27-NOV-2008 00:29:56	Twilight_stray	69.500	30	46Eps Ori	1.6940	30000.	139	35255	No
8	GOM_NL__2PRFIN20081127_003248_000000792074_00131_35255_3219.N1	27-NOV-2008 00:32:48	Bright	79.000	27	24Gam Ori	1.6360	26000.	158	35255	No
9	GOM_NL__2PRFIN20081127_003452_000000532074_00131_35255_3220.N1	27-NOV-2008 00:34:52	Bright	53.000	13	87Alp Tau	0.86700	3800.0	106	35255	No
10	GOM_NL__2PRFIN20081127_004059_000000492074_00131_35255_3221.N1	27-NOV-2008 00:40:59	Bright	48.500	114	3Iot Aur	2.6930	4600.0	97	35255	No
11	GOM_NL__2PRFIN20081127_004524_000000492074_00131_35255_3222.N1	27-NOV-2008 00:45:24	Bright	49.000	6	13Alp Aur	0.080000	3400.0	98	35255	No
12	GOM_NL__2PRFIN20081127_004731_000000532074_00131_35255_3223.N1	27-NOV-2008 00:47:31	Bright	52.500	42	34Bet Aur	1.9000	10200.	105	35255	No
13	GOM_NL__2PRFIN20081127_010718_000000512074_00131_35255_3224.N1	27-NOV-2008 01:07:18	Bright	50.500	174	52Psi UMa	3.0040	4400.0	101	35255	No
14	GOM_NL__2PRFIN20081127_011742_000000602074_00131_35255_3225.N1	27-NOV-2008 01:17:42	Bright	59.500	96	68Del Leo	2.5600	9300.0	119	35255	No
15	GOM_NL__2PRFIN20081127_014848_000000542074_00132_35256_3240.N1	27-NOV-2008 01:48:48	Dark	53.500	70	Zet Pup	2.2460	39000.	107	35256	No
16	GOM_NL__2PRFIN20081127_015227_000000602074_00132_35256_3241.N1	27-NOV-2008 01:52:27	Dark	60.000	117	Pi Pup	2.7060	3800.0	120	35256	No
17	GOM_NL__2PRFIN20081127_015622_000000712074_00132_35256_3242.N1	27-NOV-2008 01:56:22	Dark	70.500	23	21Eps CMa	1.5020	26000.	141	35256	No
18	GOM_NL__2PRFIN20081127_015836_000000782074_00132_35256_3243.N1	27-NOV-2008 01:58:36	Straylight	77.500	179	24Omi2CMa	3.0320	24000.	155	35256	No
19	GOM_NL__2PRFIN20081127_020318_000001062074_00132_35256_3244.N1	27-NOV-2008 02:03:18	Straylight	105.50	1	9Alp CMa	-1.4400	11000.	211	35256	No
20	GOM_NL__2PRFIN20081127_020712_000000622074_00132_35256_3245.N1	27-NOV-2008 02:07:12	Straylight	62.000	7	19Bet Ori	0.10000	14000.	124	35256	No
21	GOM_NL__2PRFIN20081127_021032_000000692074_00132_35256_3246.N1	27-NOV-2008 02:10:32	Twilight_stray	69.000	30	46Eps Ori	1.6940	30000.	138	35256	No
22	GOM_NL__2PRFIN20081127_021323_000000632074_00132_35256_3247.N1	27-NOV-2008 02:13:23	Bright	62.500	27	24Gam Ori	1.6360	26000.	125	35256	No
23	GOM_NL__2PRFIN20081127_021527_000000552074_00132_35256_3248.N1	27-NOV-2008 02:15:27	Bright	55.000	13	87Alp Tau	0.86700	3800.0	110	35256	No
24	GOM_NL__2PRFIN20081127_022134_000000492074_00132_35256_3249.N1	27-NOV-2008 02:21:34	Bright	49.000	114	3Iot Aur	2.6930	4600.0	98	35256	No
25	GOM_NL__2PRFIN20081127_022600_000000482074_00132_35256_3250.N1	27-NOV-2008 02:26:00	Bright	48.000	6	13Alp Aur	0.080000	3400.0	96	35256	No
26	GOM_NL__2PRFIN20081127_022806_000000532074_00132_35256_3251.N1	27-NOV-2008 02:28:06	Bright	53.000	42	34Bet Aur	1.9000	10200.	106	35256	No
27	GOM_NL__2PRFIN20081127_024754_000000502074_00132_35256_3252.N1	27-NOV-2008 02:47:54	Bright	49.500	174	52Psi UMa	3.0040	4400.0	99	35256	No
28	GOM_NL__2PRFIN20081127_025819_000000652074_00132_35256_3253.N1	27-NOV-2008 02:58:19	Bright	65.000	96	68Del Leo	2.5600	9300.0	130	35256	No
29	GOM_NL__2PRFIN20081127_032925_000000542074_00133_35257_3265.N1	27-NOV-2008 03:29:25	Dark	53.500	70	Zet Pup	2.2460	39000.	107	35257	No
30	GOM_NL__2PRFIN20081127_033304_000000592074_00133_35257_3266.N1	27-NOV-2008 03:33:04	Dark	59.000	117	Pi Pup	2.7060	3800.0	118	35257	No
31	GOM_NL__2PRFIN20081127_033659_000000682074_00133_35257_3267.N1	27-NOV-2008 03:36:59	Dark	67.500	23	21Eps CMa	1.5020	26000.	135	35257	No
32	GOM_NL__2PRFIN20081127_033912_000000782074_00133_35257_3268.N1	27-NOV-2008 03:39:12	Straylight	78.000	179	24Omi2CMa	3.0320	24000.	156	35257	No
33	GOM_NL__2PRFIN20081127_034354_000001052074_00133_35257_3269.N1	27-NOV-2008 03:43:54	Straylight	104.50	1	9Alp CMa	-1.4400	11000.	209	35257	No
34	GOM_NL__2PRFIN20081127_034748_000000622074_00133_35257_3270.N1	27-NOV-2008 03:47:48	Straylight	62.000	7	19Bet Ori	0.10000	14000.	124	35257	No
35	GOM_NL__2PRFIN20081127_035107_000000662074_00133_35257_3271.N1	27-NOV-2008 03:51:07	Twilight_stray	65.500	30	46Eps Ori	1.6940	30000.	131	35257	No
36	GOM_NL__2PRFIN20081127_035359_000000782074_00133_35257_3272.N1	27-NOV-2008 03:53:59	Bright	78.000	27	24Gam Ori	1.6360	26000.	156	35257	No
37	GOM_NL__2PRFIN20081127_035608_000000492074_00133_35257_3273.N1	27-NOV-2008 03:56:08	Bright	49.000	13	87Alp Tau	0.86700	3800.0	98	35257	No
38	GOM_NL__2PRFIN20081127_040209_000000492074_00133_35257_3274.N1	27-NOV-2008 04:02:09	Bright	48.500	114	3Iot Aur	2.6930	4600.0	97	35257	No
39	GOM_NL__2PRFIN20081127_040635_000000472074_00133_35257_3275.N1	27-NOV-2008 04:06:35	Bright	47.000	6	13Alp Aur	0.080000	3400.0	94	35257	No
40	GOM_NL__2PRFIN20081127_040840_000000542074_00133_35257_3276.N1	27-NOV-2008 04:08:40	Bright	53.500	42	34Bet Aur	1.9000	10200.	107	35257	No
41	GOM_NL__2PRFIN20081127_042830_000000522074_00133_35257_3277.N1	27-NOV-2008 04:28:30	Bright	51.500	174	52Psi UMa	3.0040	4400.0	103	35257	No
42	GOM_NL__2PRFIN20081127_043855_000000642074_00133_35257_3278.N1	27-NOV-2008 04:38:55	Bright	64.000	96	68Del Leo	2.5600	9300.0	128	35257	No

161	GOM_NL__2PRFIN20081127_185626_000000702074_00142_35266_3583.N1	27-NOV-2008 18:56:26	Twilight	70.000	30	46Eps Ori	1.6940	30000.	140	35266	No
162	GOM_NL__2PRFIN20081127_185916_000000792074_00142_35266_3584.N1	27-NOV-2008 18:59:16	Bright	78.500	27	24Gam Ori	1.6360	26000.	157	35266	No
163	GOM_NL__2PRFIN20081127_190122_000000862074_00142_35266_3585.N1	27-NOV-2008 19:01:22	Bright	86.000	14	58Alp Ori	0.87000	3000.0	172	35266	No
164	GOM_NL__2PRFIN20081127_190546_000000602074_00142_35266_3586.N1	27-NOV-2008 19:05:46	Bright	59.500	176	23Zet Tau	3.0200	22000.	119	35266	No
165	GOM_NL__2PRFIN20081127_191152_000000492074_00142_35266_3587.N1	27-NOV-2008 19:11:52	Bright	48.500	6	13Alp Aur	0.080000	3400.0	97	35266	No
166	GOM_NL__2PRFIN20081127_191354_000000542074_00142_35266_3588.N1	27-NOV-2008 19:13:54	Bright	54.000	42	34Bet Aur	1.9000	10200.	108	35266	No
167	GOM_NL__2PRFIN20081127_193351_000000522074_00142_35266_3589.N1	27-NOV-2008 19:33:51	Bright	51.500	174	52Psi UMa	3.0040	4400.0	103	35266	No
168	GOM_NL__2PRFIN20081127_194425_000000652074_00142_35266_3590.N1	27-NOV-2008 19:44:25	Bright	65.000	96	68Del Leo	2.5600	9300.0	130	35266	No
169	GOM_NL__2PRFIN20081127_201536_000000552074_00143_35267_3603.N1	27-NOV-2008 20:15:36	Dark	54.500	70	Zet Pup	2.2460	39000.	109	35267	No
170	GOM_NL__2PRFIN20081127_201912_000000622074_00143_35267_3604.N1	27-NOV-2008 20:19:12	Dark	62.000	117	Pi Pup	2.7060	3800.0	124	35267	No
171	GOM_NL__2PRFIN20081127_202306_000000692074_00143_35267_3605.N1	27-NOV-2008 20:23:06	Dark	68.500	23	21Eps CMa	1.5020	26000.	137	35267	No
172	GOM_NL__2PRFIN20081127_202519_000000782074_00143_35267_3606.N1	27-NOV-2008 20:25:19	Straylight	77.500	179	24Omi2CMa	3.0320	24000.	155	35267	No
173	GOM_NL__2PRFIN20081127_202955_000001002074_00143_35267_3607.N1	27-NOV-2008 20:29:55	Straylight	99.500	1	9Alp CMa	-1.4400	11000.	199	35267	No
174	GOM_NL__2PRFIN20081127_203346_000000642074_00143_35267_3608.N1	27-NOV-2008 20:33:46	Straylight	63.500	7	19Bet Ori	0.10000	14000.	127	35267	No
175	GOM_NL__2PRFIN20081127_203702_000000712074_00143_35267_3609.N1	27-NOV-2008 20:37:02	Twilight	71.000	30	46Eps Ori	1.6940	30000.	142	35267	No
176	GOM_NL__2PRFIN20081127_203952_000000662074_00143_35267_3610.N1	27-NOV-2008 20:39:52	Bright	65.500	27	24Gam Ori	1.6360	26000.	131	35267	No
177	GOM_NL__2PRFIN20081127_204157_000000892074_00143_35267_3611.N1	27-NOV-2008 20:41:57	Bright	88.500	14	58Alp Ori	0.87000	3000.0	177	35267	No
178	GOM_NL__2PRFIN20081127_204621_000000612074_00143_35267_3612.N1	27-NOV-2008 20:46:21	Bright	60.500	176	23Zet Tau	3.0200	22000.	121	35267	No
179	GOM_NL__2PRFIN20081127_205227_000000492074_00143_35267_3613.N1	27-NOV-2008 20:52:27	Bright	48.500	6	13Alp Aur	0.080000	3400.0	97	35267	No
180	GOM_NL__2PRFIN20081127_205429_000000532074_00143_35267_3614.N1	27-NOV-2008 20:54:29	Bright	53.000	42	34Bet Aur	1.9000	10200.	106	35267	No
181	GOM_NL__2PRFIN20081127_211427_000000492074_00143_35267_3615.N1	27-NOV-2008 21:14:27	Bright	48.500	174	52Psi UMa	3.0040	4400.0	97	35267	No
182	GOM_NL__2PRFIN20081127_212501_000000632074_00143_35267_3616.N1	27-NOV-2008 21:25:01	Bright	62.500	96	68Del Leo	2.5600	9300.0	125	35267	No
183	GOM_NL__2PRFIN20081127_215613_000000532074_00144_35268_3632.N1	27-NOV-2008 21:56:13	Dark	53.000	70	Zet Pup	2.2460	39000.	106	35268	No
184	GOM_NL__2PRFIN20081127_215949_000000622074_00144_35268_3633.N1	27-NOV-2008 21:59:49	Dark	62.000	117	Pi Pup	2.7060	3800.0	124	35268	No
185	GOM_NL__2PRFIN20081127_220343_000000702074_00144_35268_3634.N1	27-NOV-2008 22:03:43	Dark	70.000	23	21Eps CMa	1.5020	26000.	140	35268	No
186	GOM_NL__2PRFIN20081127_220555_000000732074_00144_35268_3635.N1	27-NOV-2008 22:05:55	Straylight	73.000	179	24Omi2CMa	3.0320	24000.	146	35268	No
187	GOM_NL__2PRFIN20081127_221031_000001052074_00144_35268_3636.N1	27-NOV-2008 22:10:31	Straylight	104.50	1	9Alp CMa	-1.4400	11000.	209	35268	No
188	GOM_NL__2PRFIN20081127_221422_000000602074_00144_35268_3637.N1	27-NOV-2008 22:14:22	Straylight	59.500	7	19Bet Ori	0.10000	14000.	119	35268	No
189	GOM_NL__2PRFIN20081127_221737_000000682074_00144_35268_3638.N1	27-NOV-2008 22:17:37	Twilight	68.000	30	46Eps Ori	1.6940	30000.	136	35268	No
190	GOM_NL__2PRFIN20081127_222027_000000632074_00144_35268_3639.N1	27-NOV-2008 22:20:27	Bright	62.500	27	24Gam Ori	1.6360	26000.	125	35268	No
191	GOM_NL__2PRFIN20081127_222232_000000842074_00144_35268_3640.N1	27-NOV-2008 22:22:32	Bright	84.000	14	58Alp Ori	0.87000	3000.0	168	35268	No
192	GOM_NL__2PRFIN20081127_222655_000000582074_00144_35268_3641.N1	27-NOV-2008 22:26:55	Bright	58.000	176	23Zet Tau	3.0200	22000.	116	35268	No
193	GOM_NL__2PRFIN20081127_223302_000000492074_00144_35268_3642.N1	27-NOV-2008 22:33:02	Bright	49.000	6	13Alp Aur	0.080000	3400.0	98	35268	No
194	GOM_NL__2PRFIN20081127_223504_000000532074_00144_35268_3643.N1	27-NOV-2008 22:35:04	Bright	53.000	42	34Bet Aur	1.9000	10200.	106	35268	No
195	GOM_NL__2PRFIN20081127_225503_000000522074_00144_35268_3644.N1	27-NOV-2008 22:55:03	Bright	51.500	174	52Psi UMa	3.0040	4400.0	103	35268	No
196	GOM_NL__2PRFIN20081127_230538_000000622074_00144_35268_3645.N1	27-NOV-2008 23:05:38	Bright	61.500	96	68Del Leo	2.5600	9300.0	123	35268	No
197	GOM_NL__2PRFIN20081127_233650_000000562074_00145_35269_3671.N1	27-NOV-2008 23:36:50	Dark	56.000	70	Zet Pup	2.2460	39000.	112	35269	No
198	GOM_NL__2PRFIN20081127_234026_000000582074_00145_35269_3672.N1	27-NOV-2008 23:40:26	Dark	57.500	117	Pi Pup	2.7060	3800.0	115	35269	No
199	GOM_NL__2PRFIN20081127_234419_000000692074_00145_35269_3673.N1	27-NOV-2008 23:44:19	Dark	68.500	23	21Eps CMa	1.5020	26000.	137	35269	No
200	GOM_NL__2PRFIN20081127_234632_000000782074_00145_35269_3674.N1	27-NOV-2008 23:46:32	Straylight	77.500	179	24Omi2CMa	3.0320	24000.	155	35269	No
201	GOM_NL__2PRFIN20081127_235107_000001022074_00145_35269_3675.N1	27-NOV-2008 23:51:07	Straylight	101.50	1	9Alp CMa	-1.4400	11000.	203	35269	No
202	GOM_NL__2PRFIN20081127_235458_000000622074_00145_35269_3676.N1	27-NOV-2008 23:54:58	Straylight	61.500	7	19Bet Ori	0.10000	14000.	123	35269	No
203	GOM_NL__2PRFIN20081127_235813_000000672074_00145_35269_3677.N1	27-NOV-2008 23:58:13	Twilight	66.500	30	46Eps Ori	1.6940	30000.	133	35269	No

3. Quality information per product

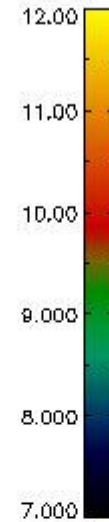
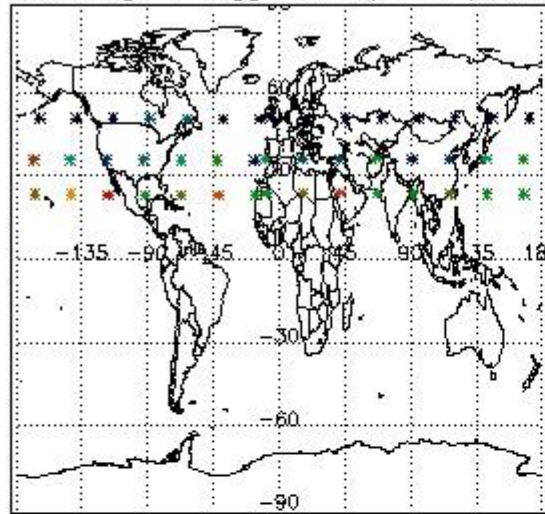
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

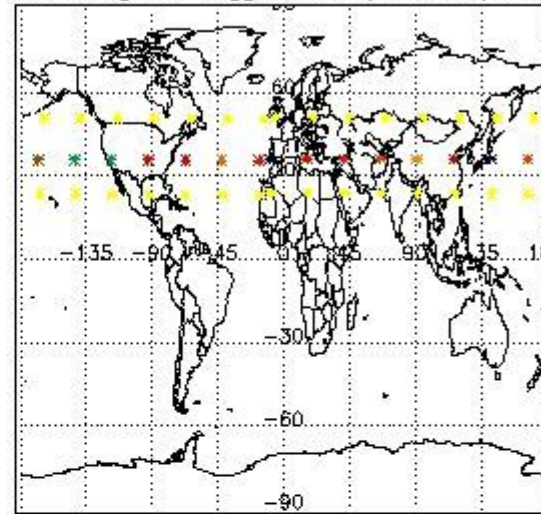


3.2 Plot quality information per product (world map)

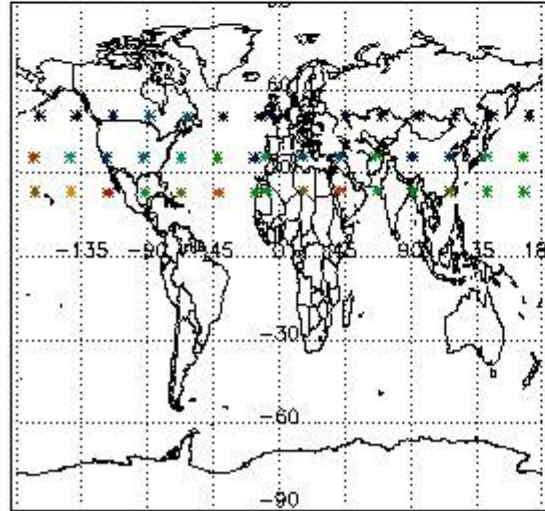
Percentage of flagged data per O3 profile



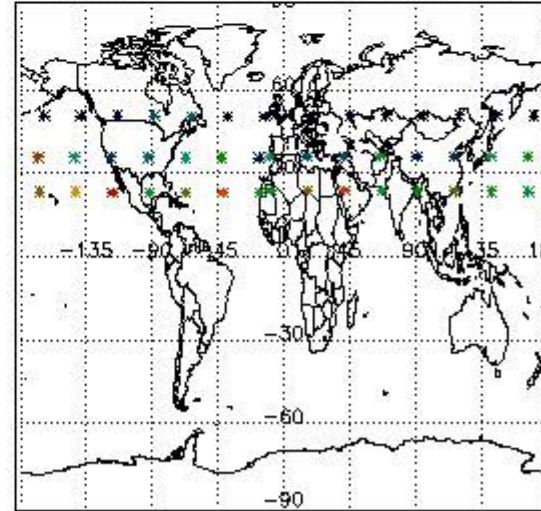
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

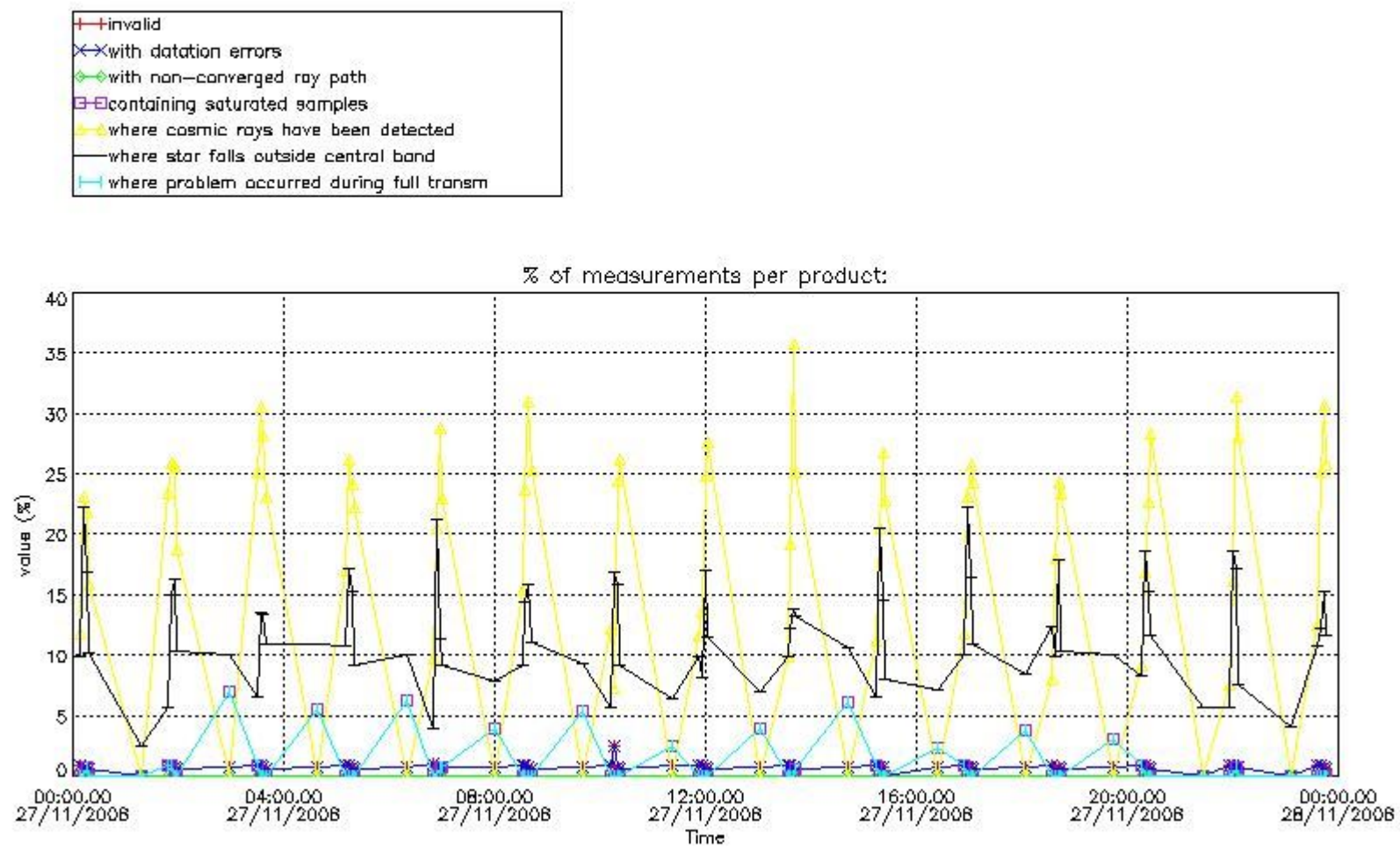


4. Level 1 quality information per product

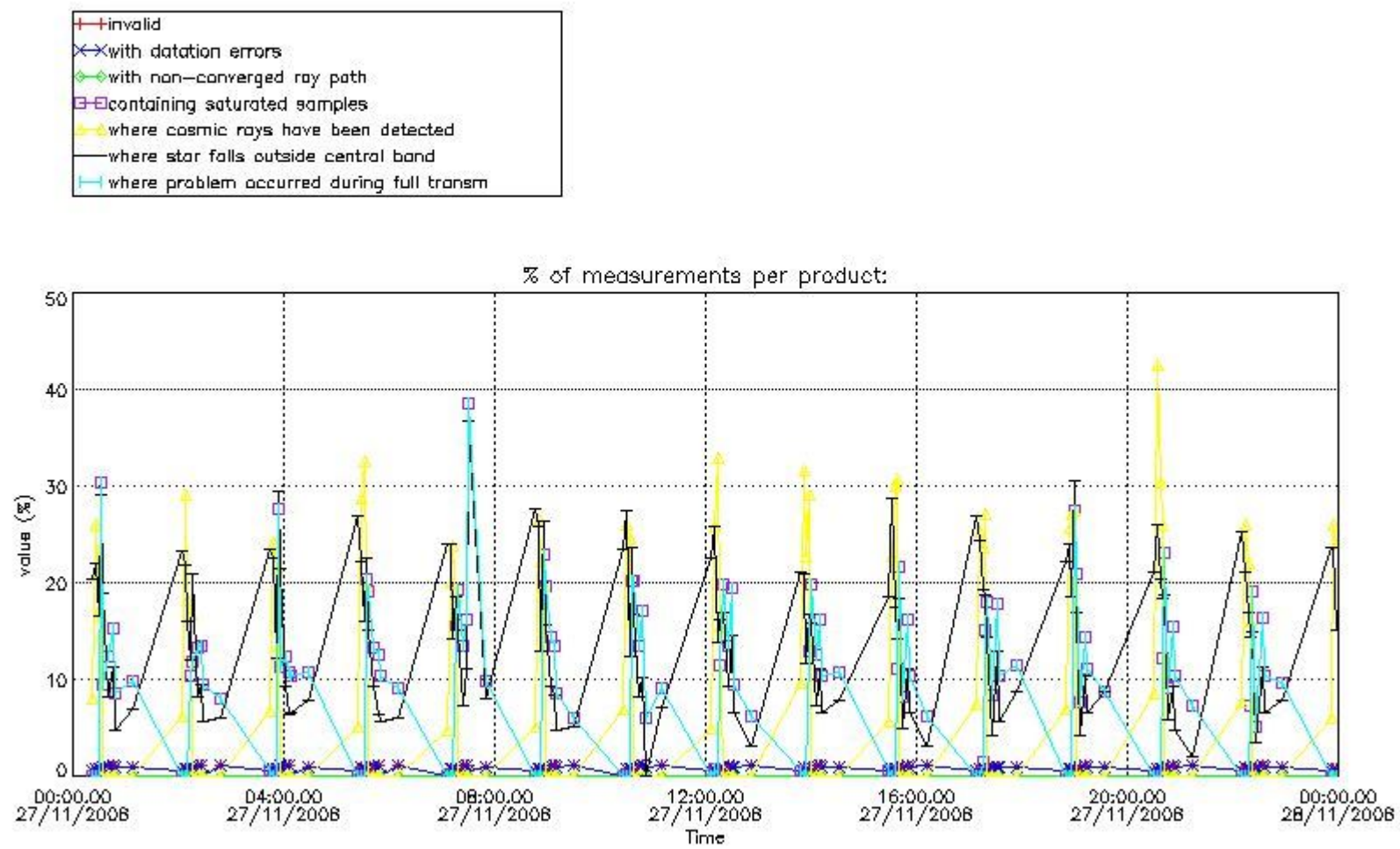
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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

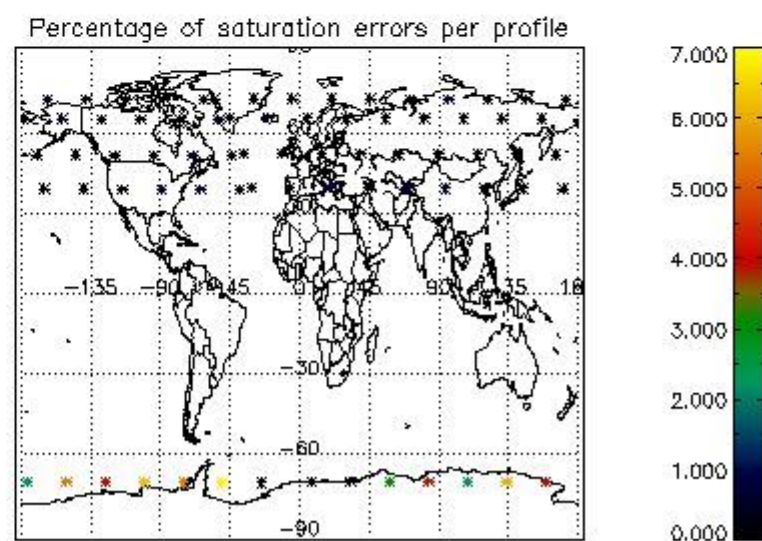
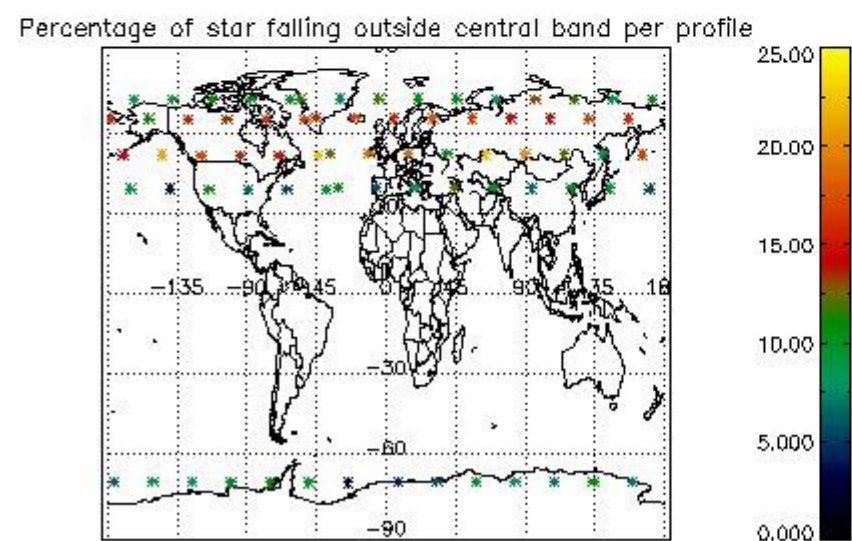
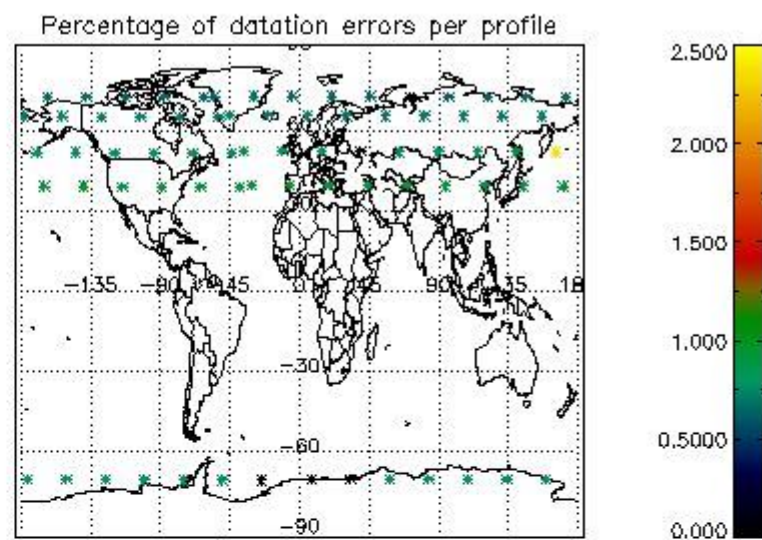
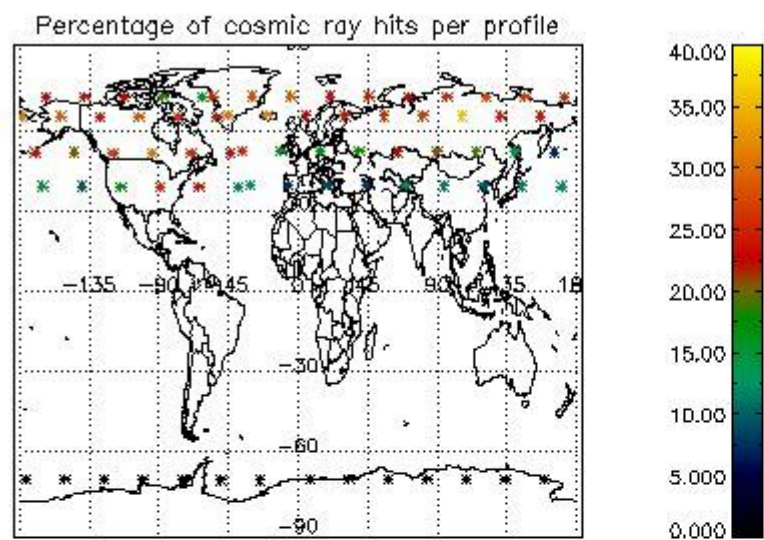


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

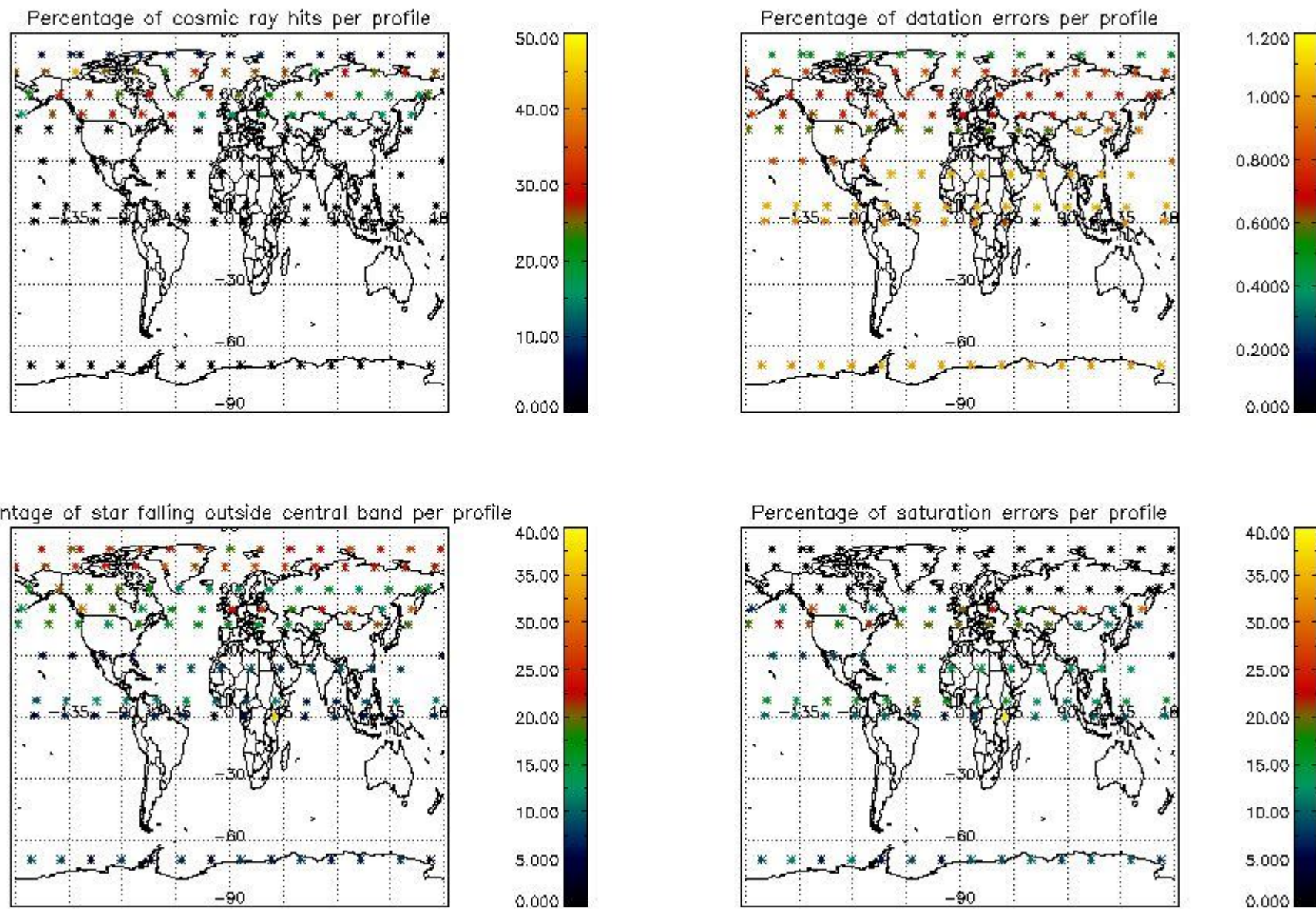


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/o3_std of the level 2 products. The table below shows the statistics for given STD ranges.

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

- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

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

- Products in dark limb illumination condition: GOM_NL__2P/NL_SUMMARY_QUALITY/obs_ill_cond=0
- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

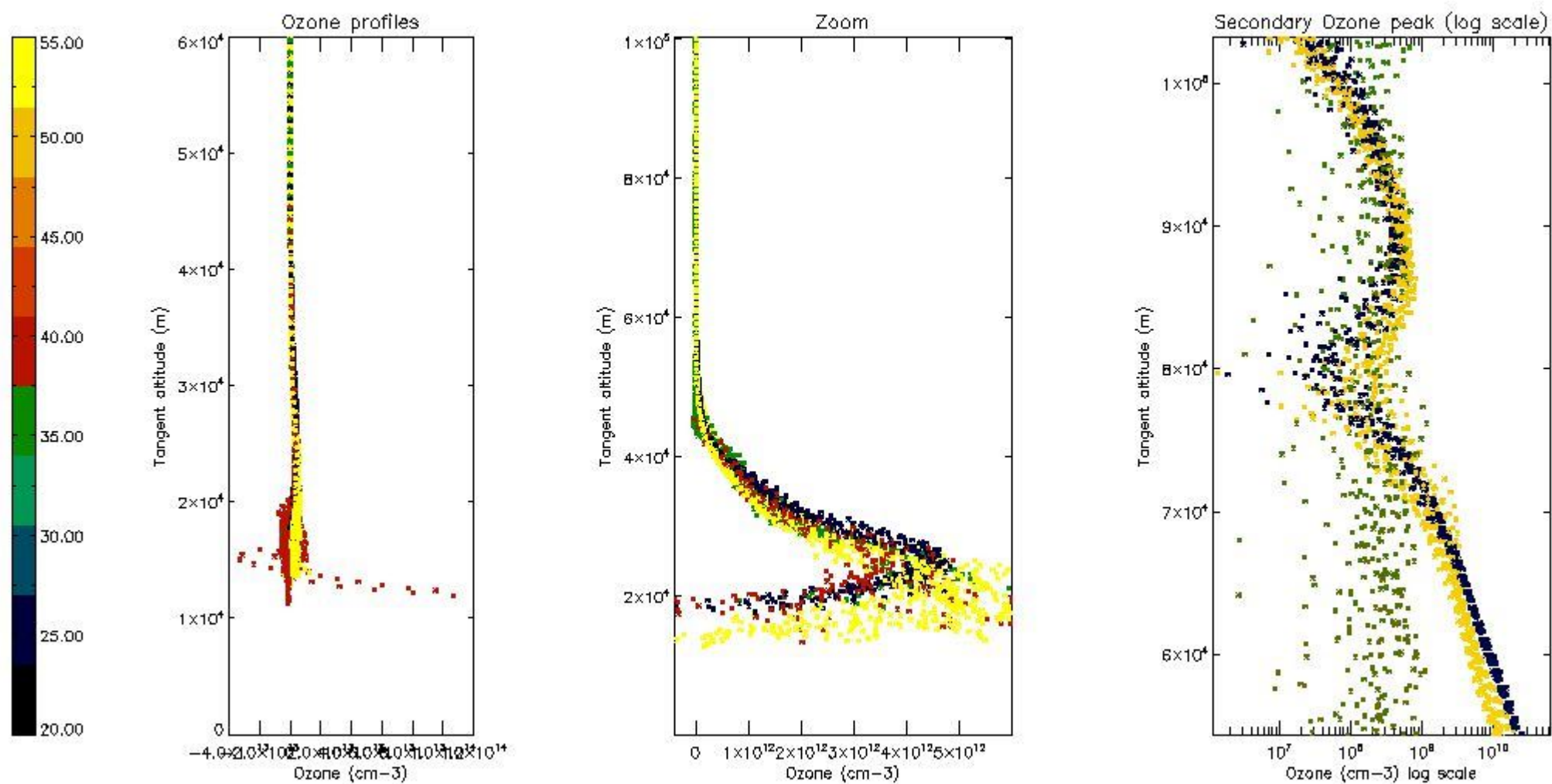
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	21
STD < 20	13

STD < 10	10
STD < 5	8

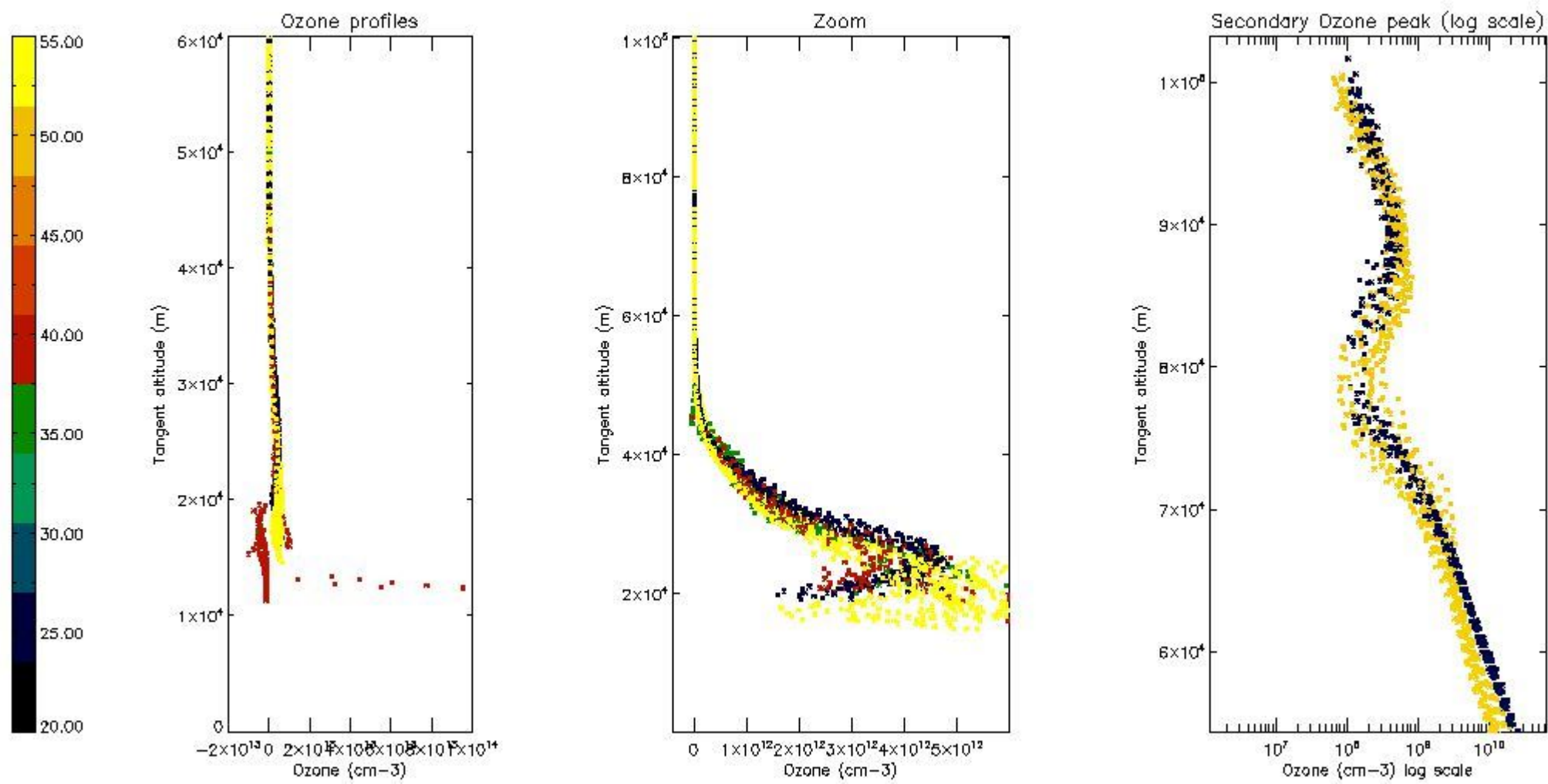
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



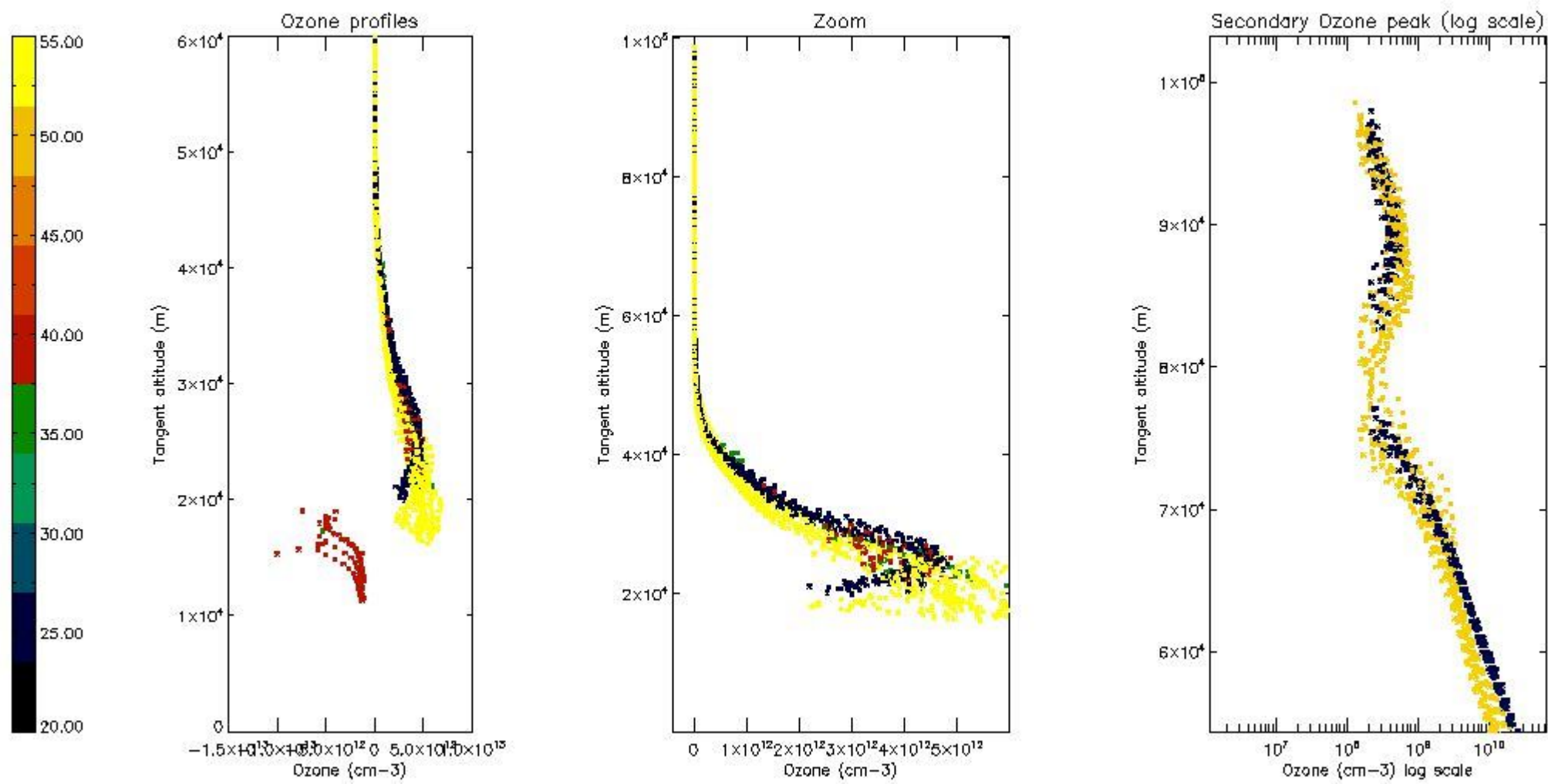
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



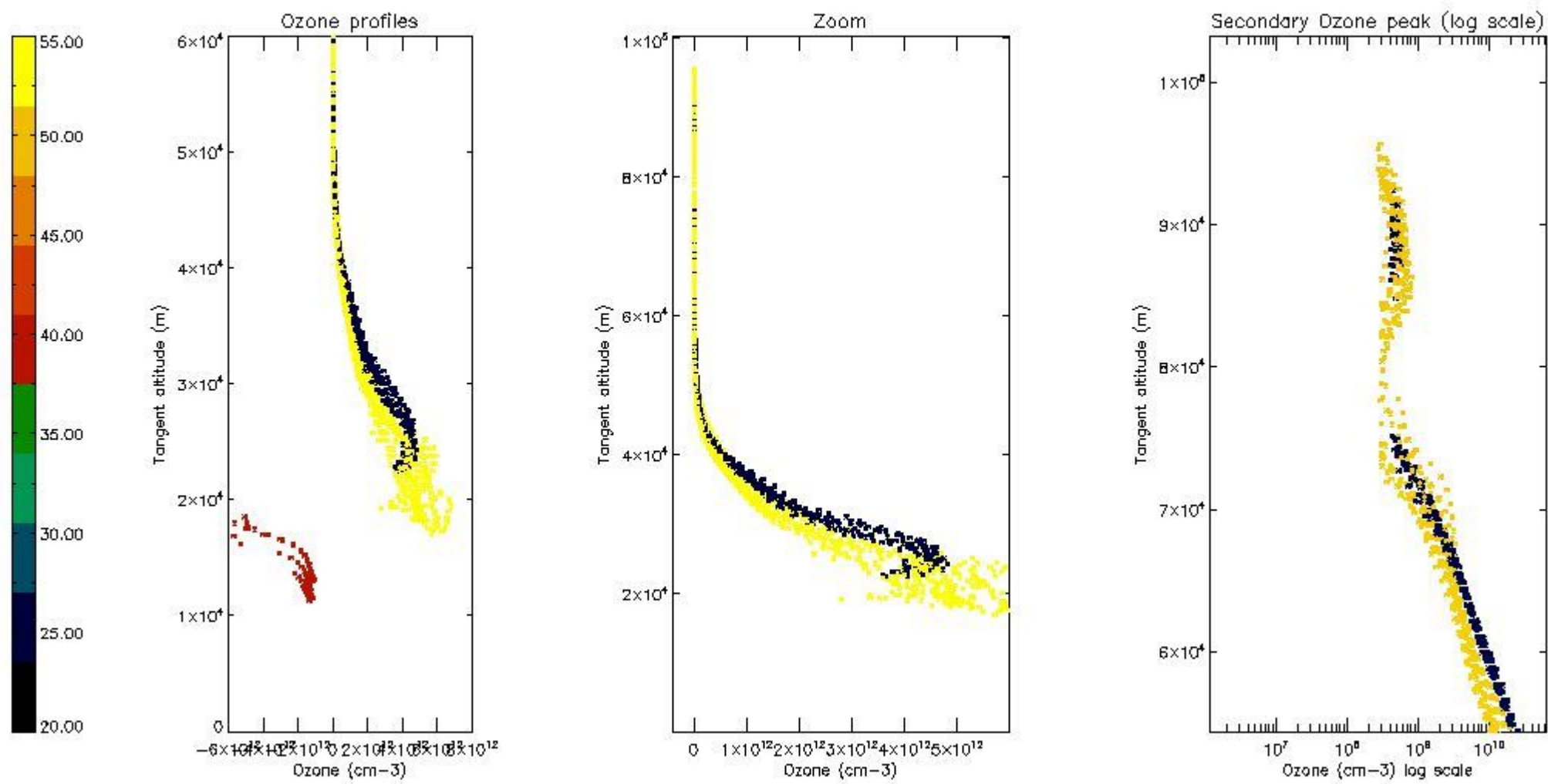
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



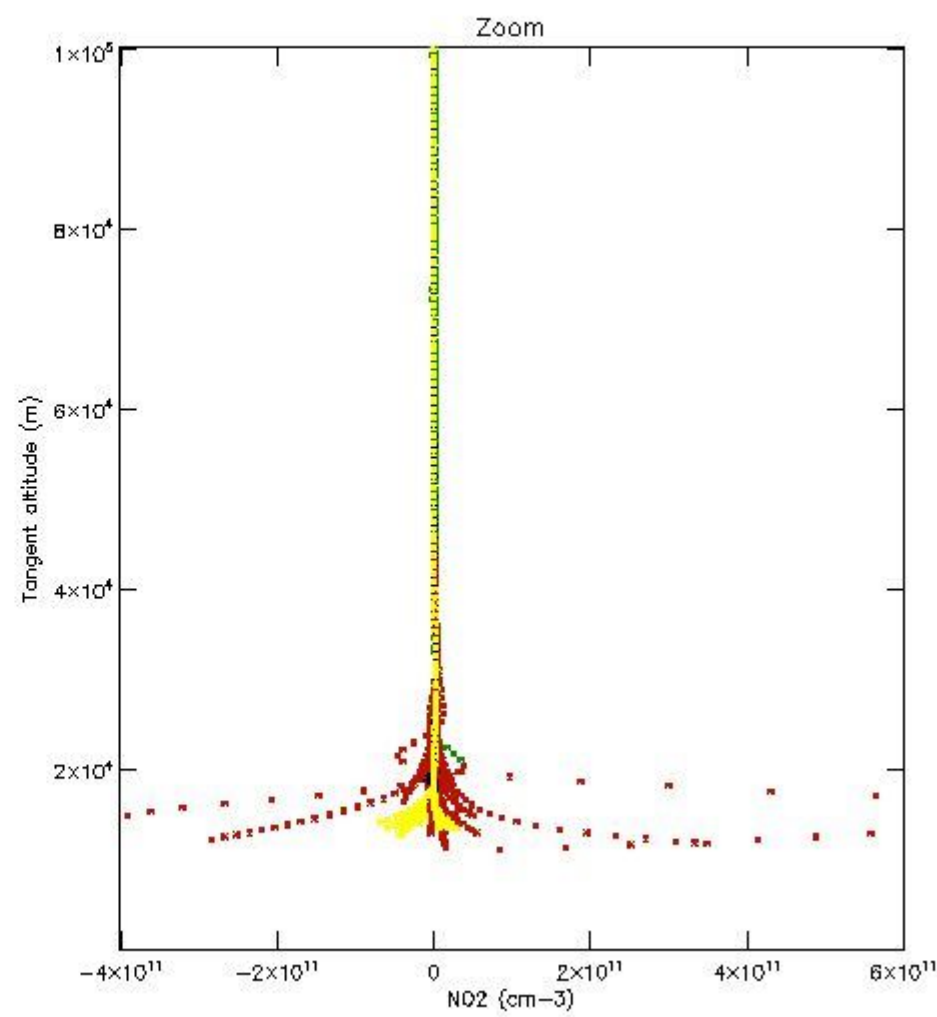
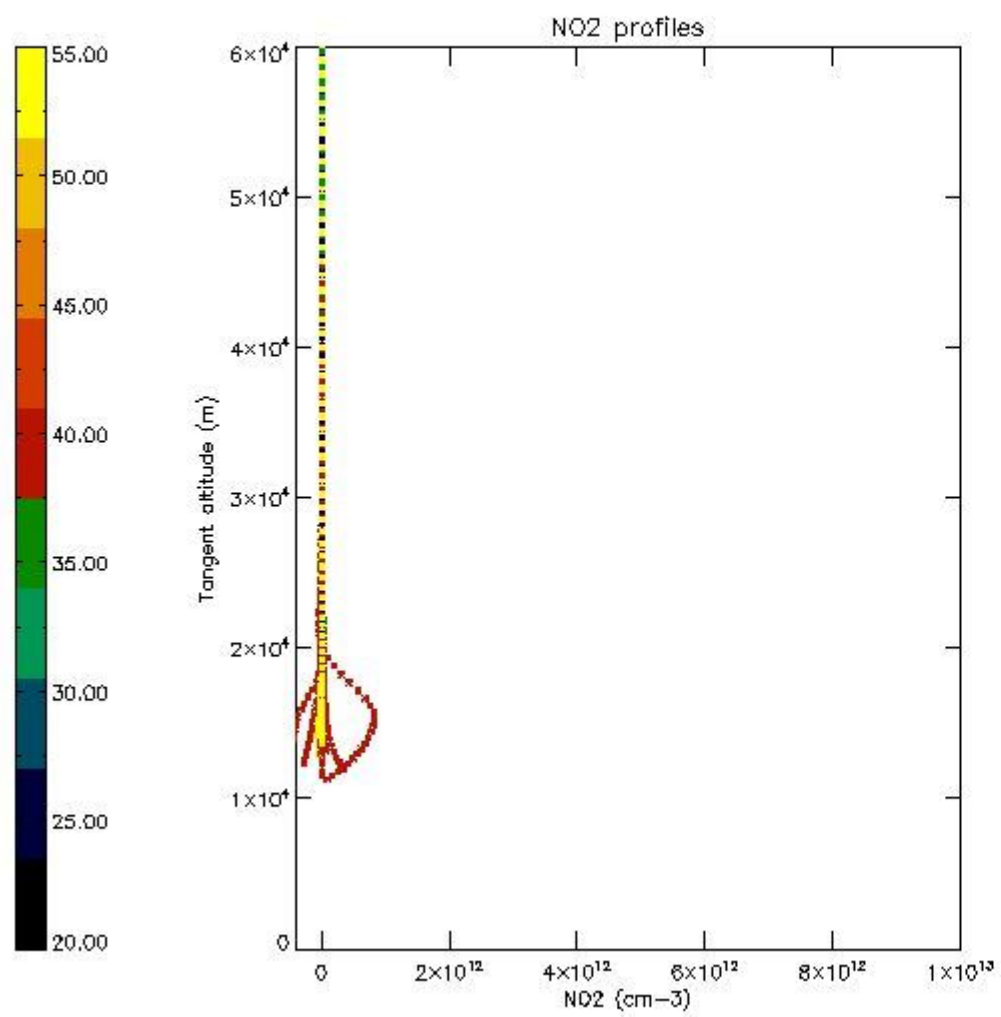
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



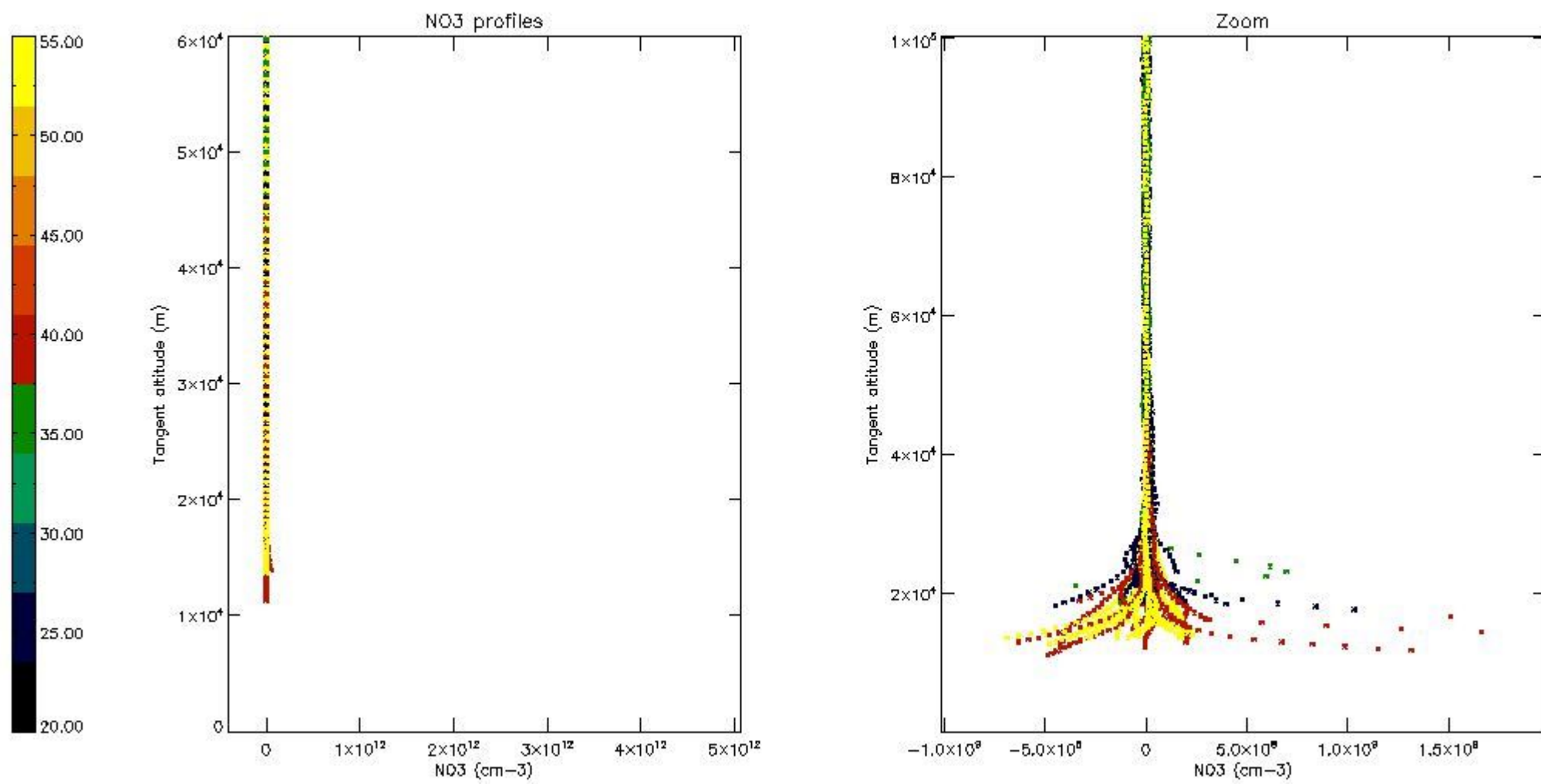
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



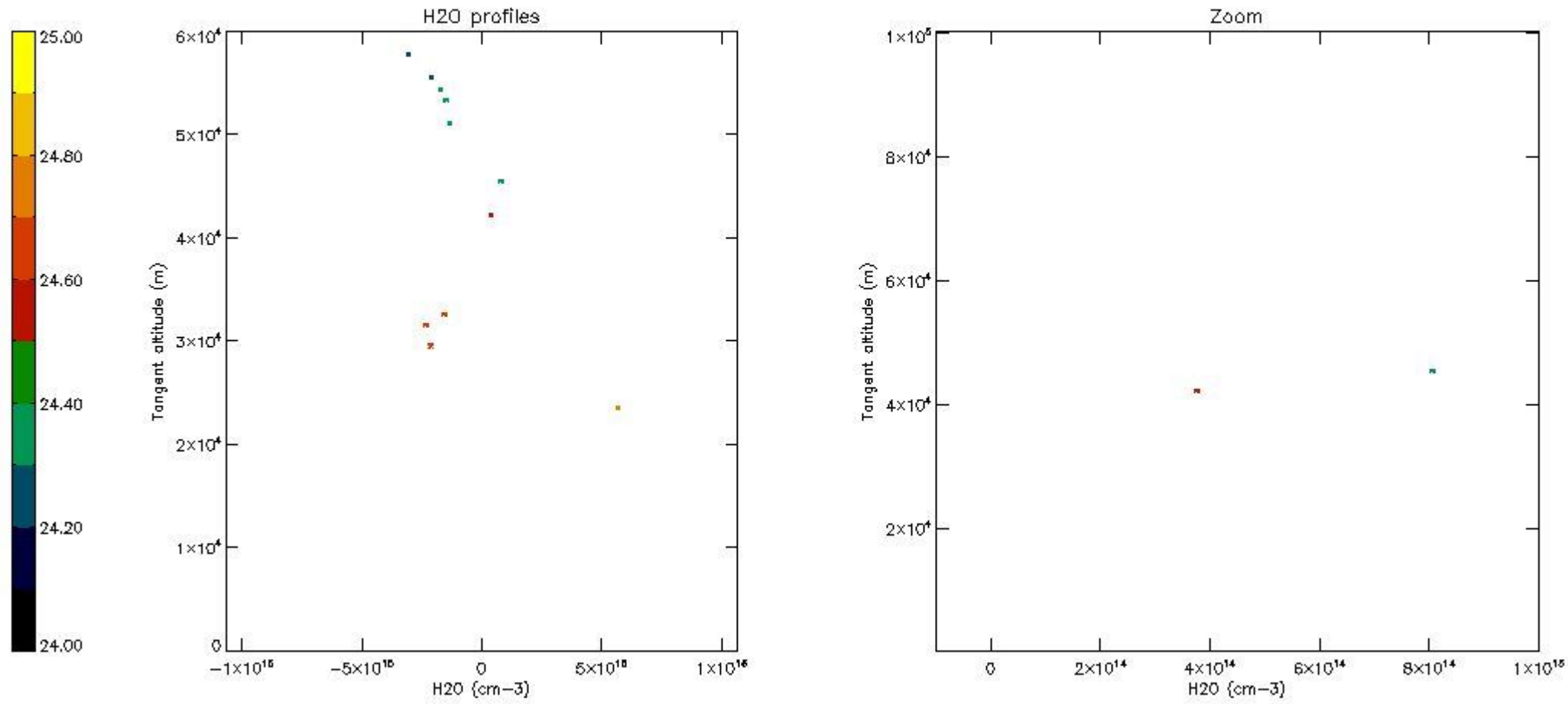
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

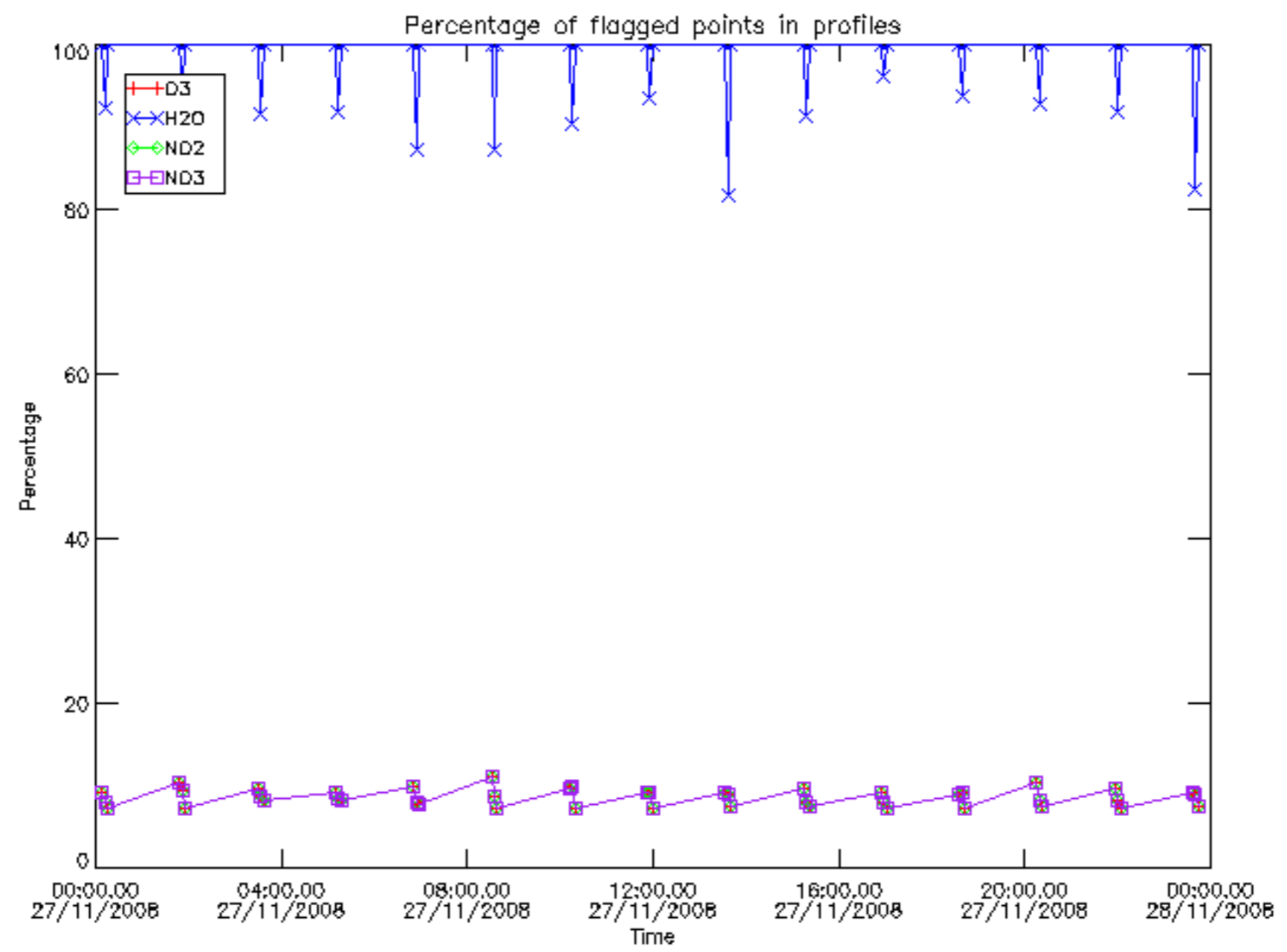
The colorbar represents the latitude.



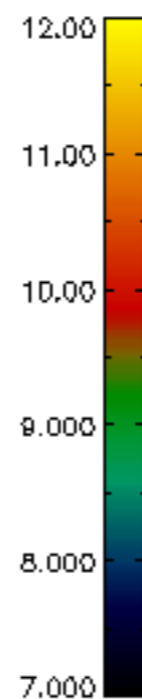
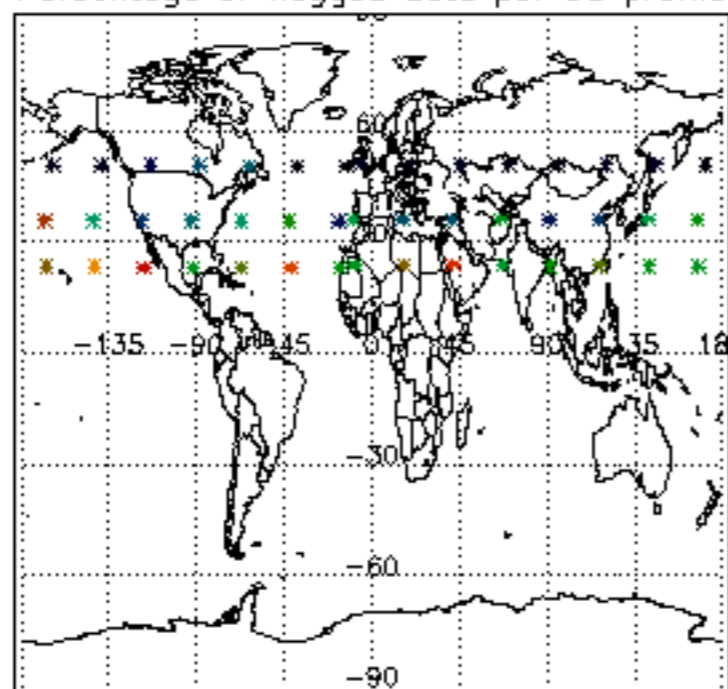
6. Auxiliary Data Files used for the production reported in section 2

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

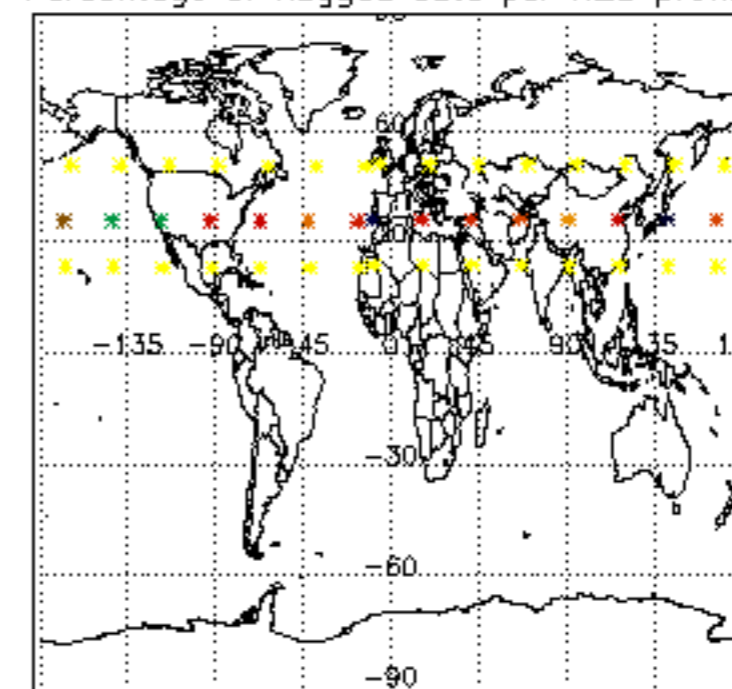
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	27-NOV-2008 00:08:11
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	27-NOV-2008 00:08:11
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	27-NOV-2008 00:08:11



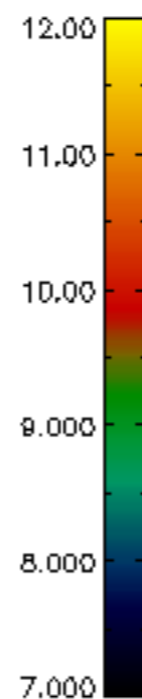
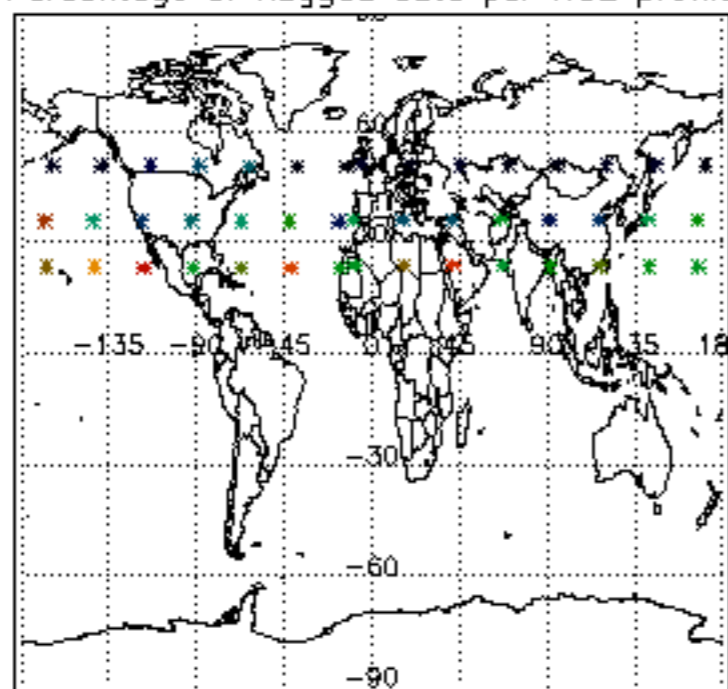
Percentage of flagged data per D3 profile



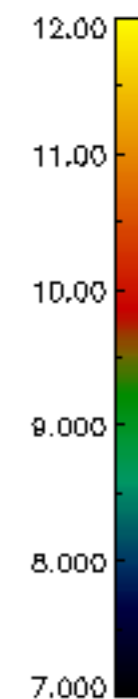
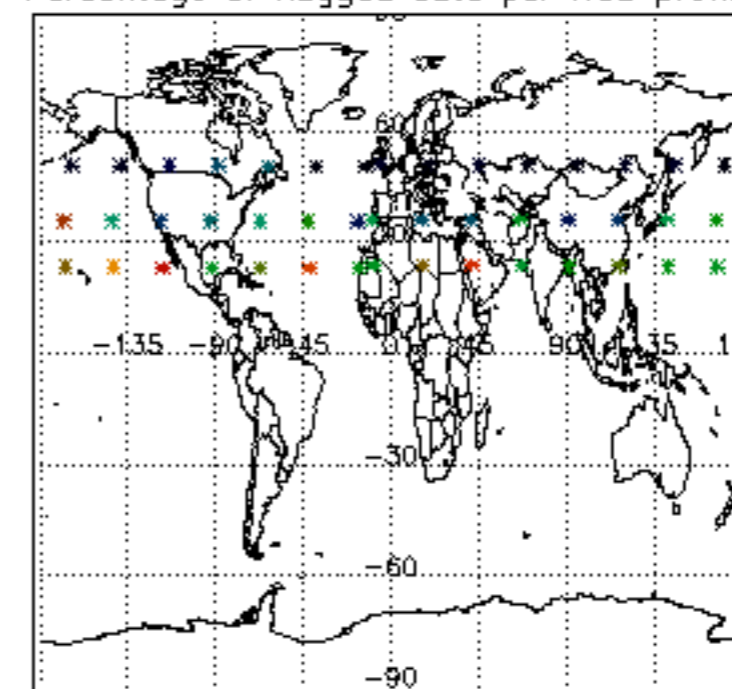
Percentage of flagged data per H2O profile

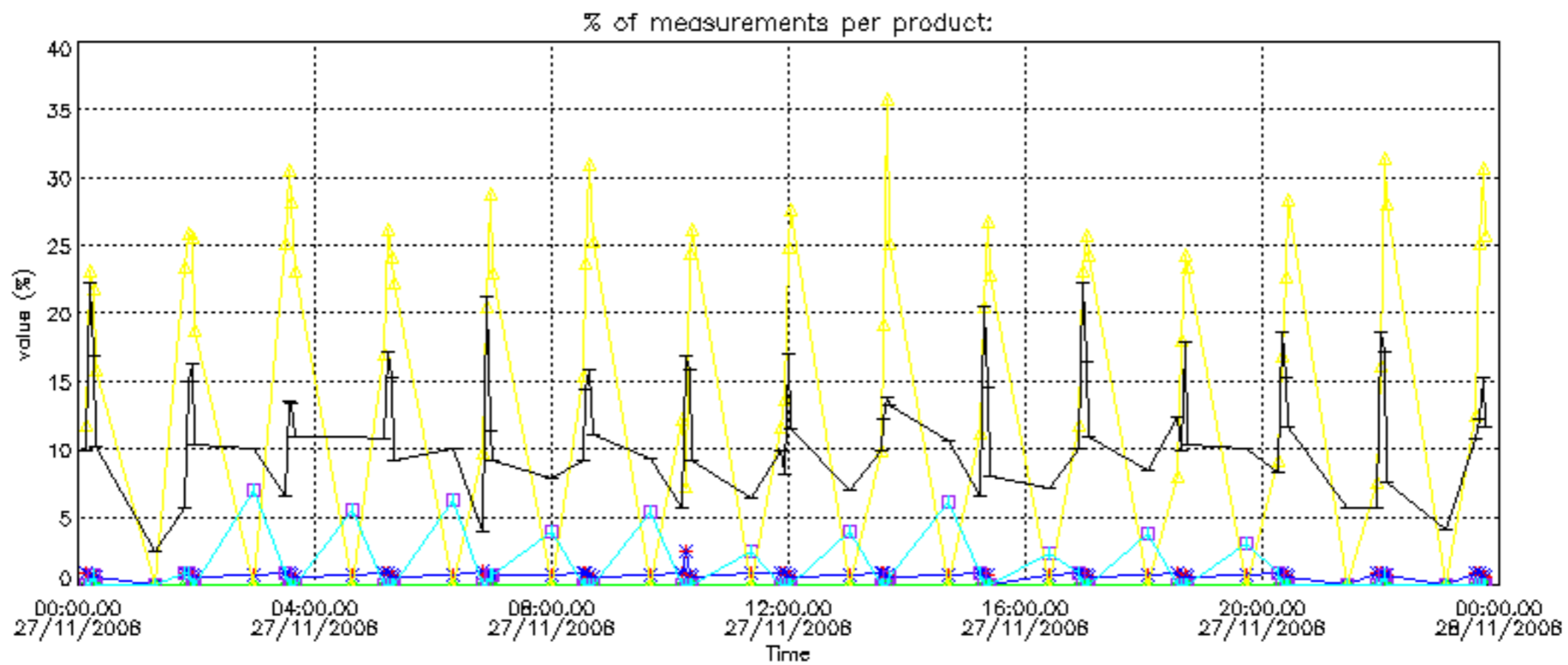


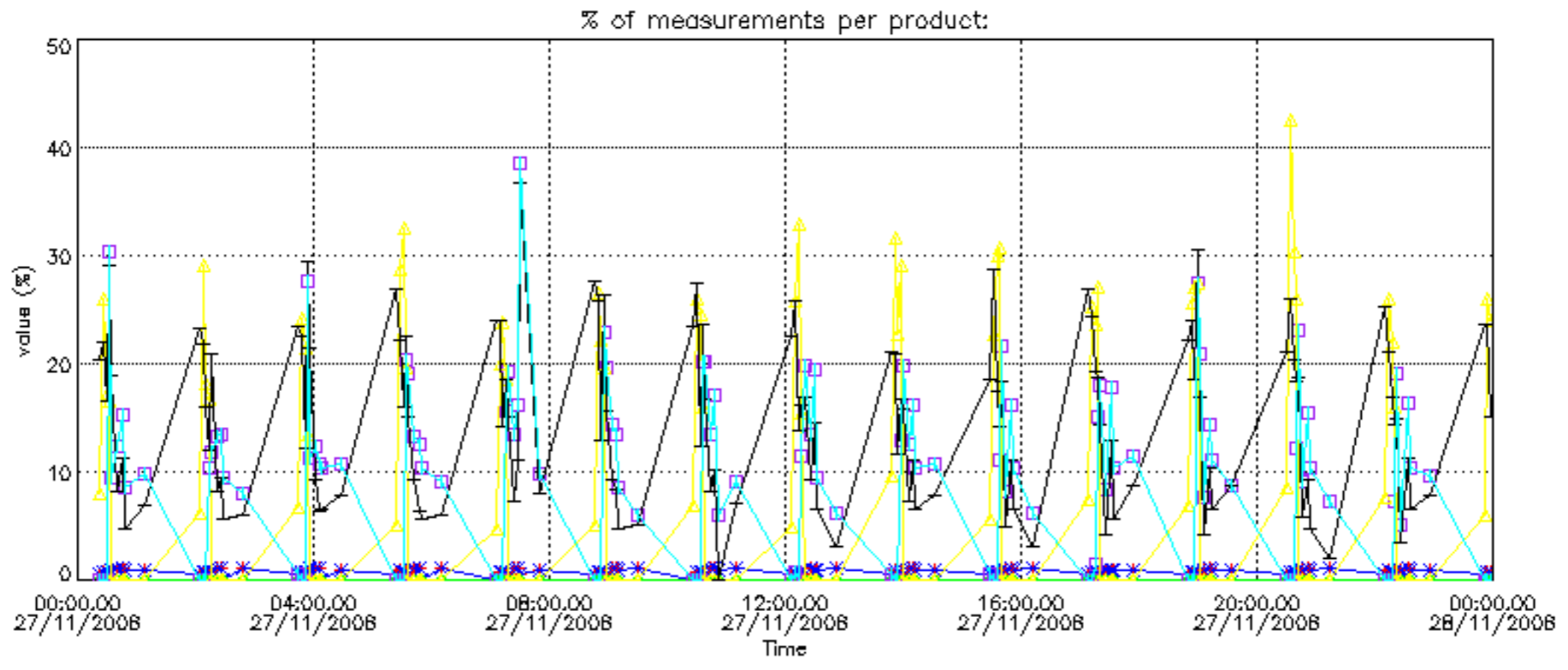
Percentage of flagged data per NO2 profile



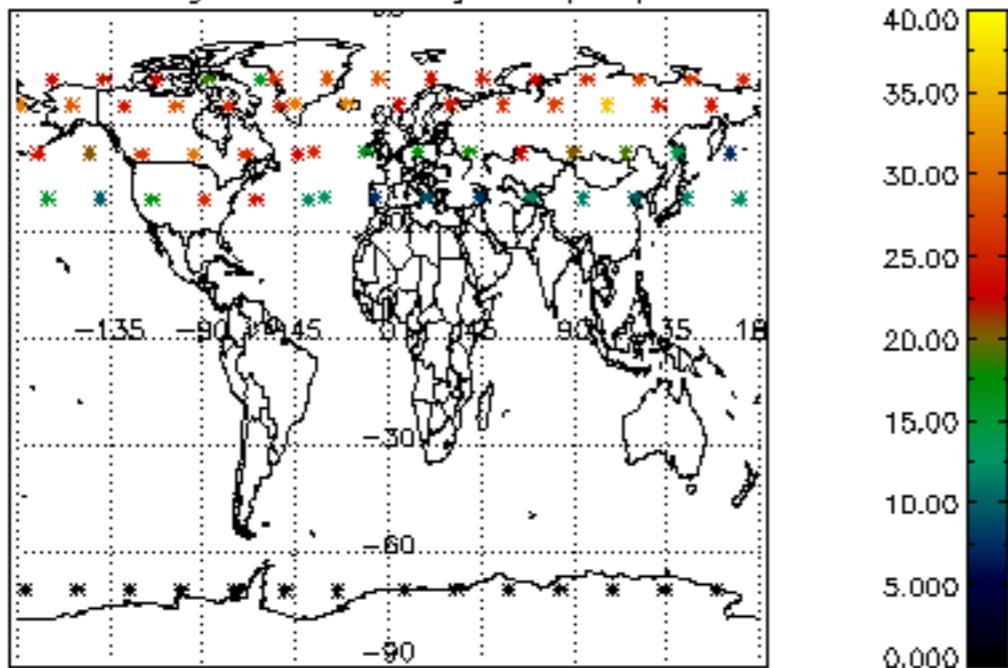
Percentage of flagged data per NO3 profile



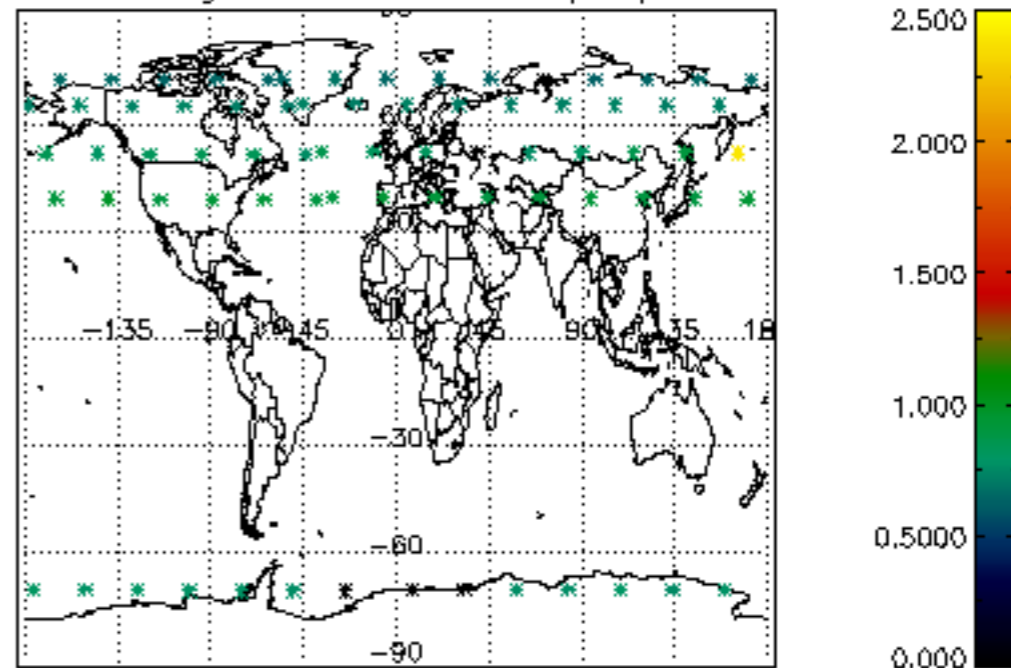




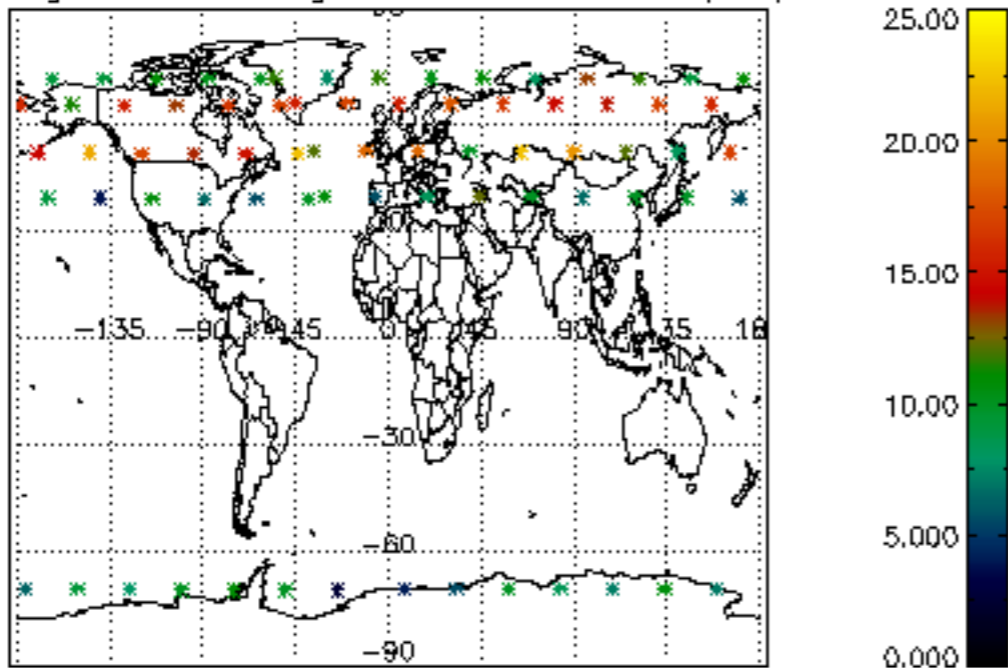
Percentage of cosmic ray hits per profile



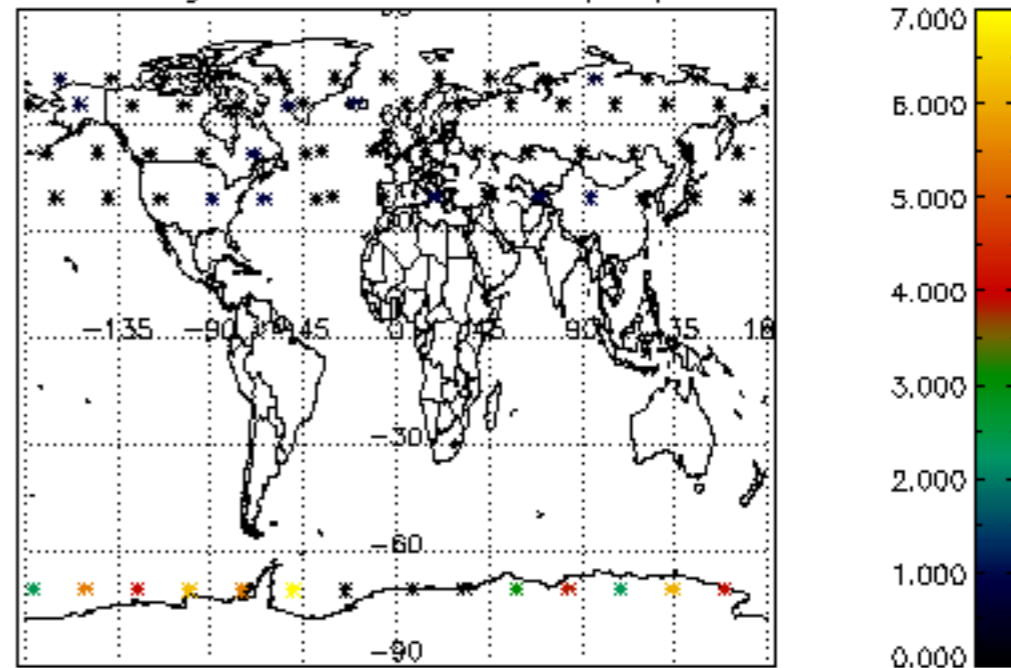
Percentage of datation errors per profile



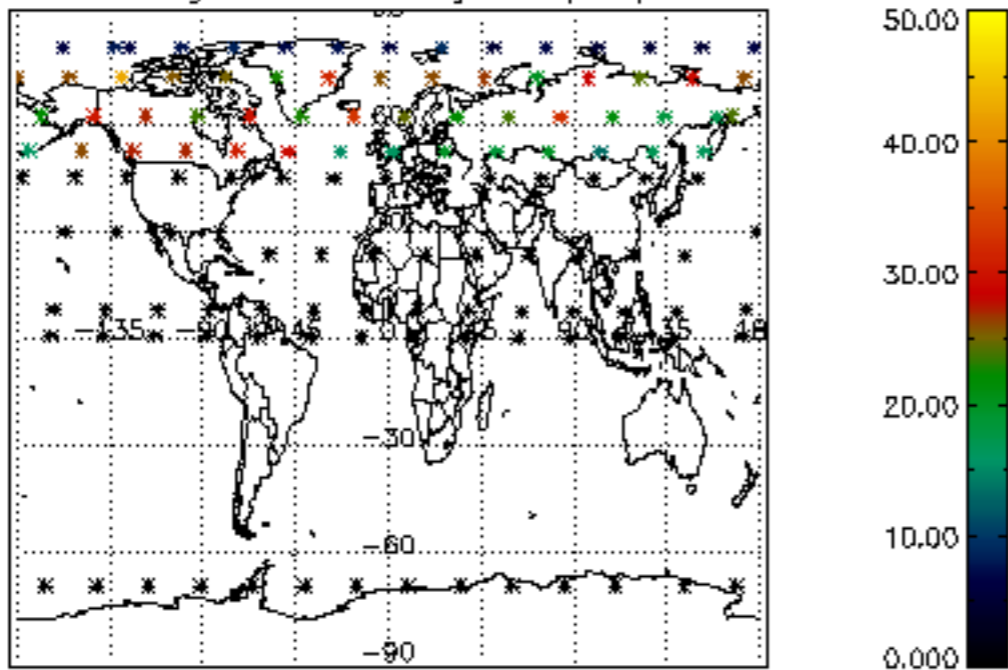
Percentage of star falling outside central band per profile



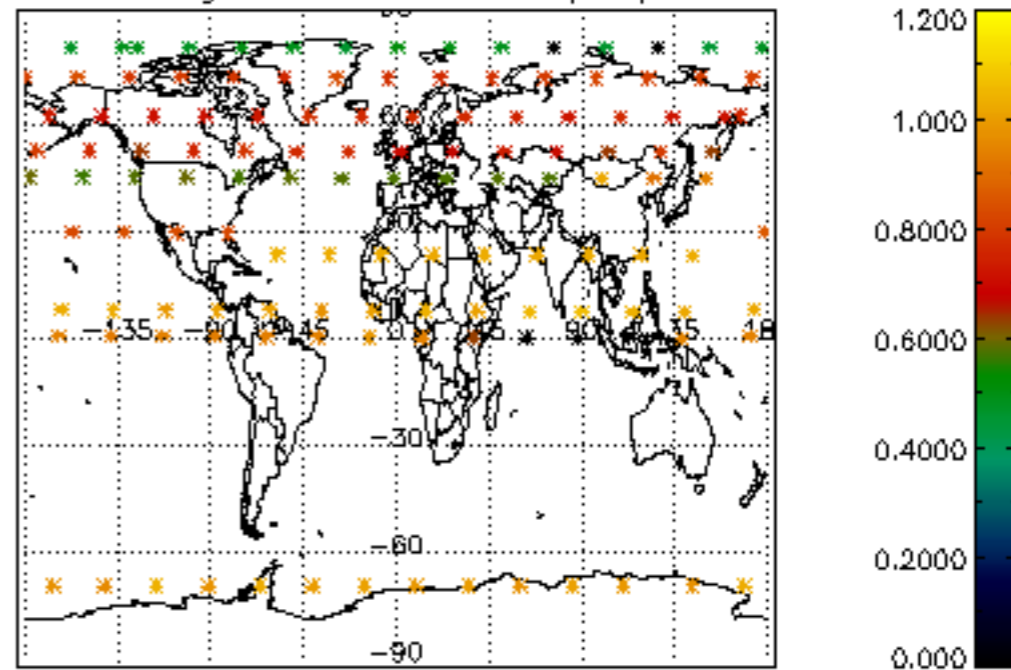
Percentage of saturation errors per profile



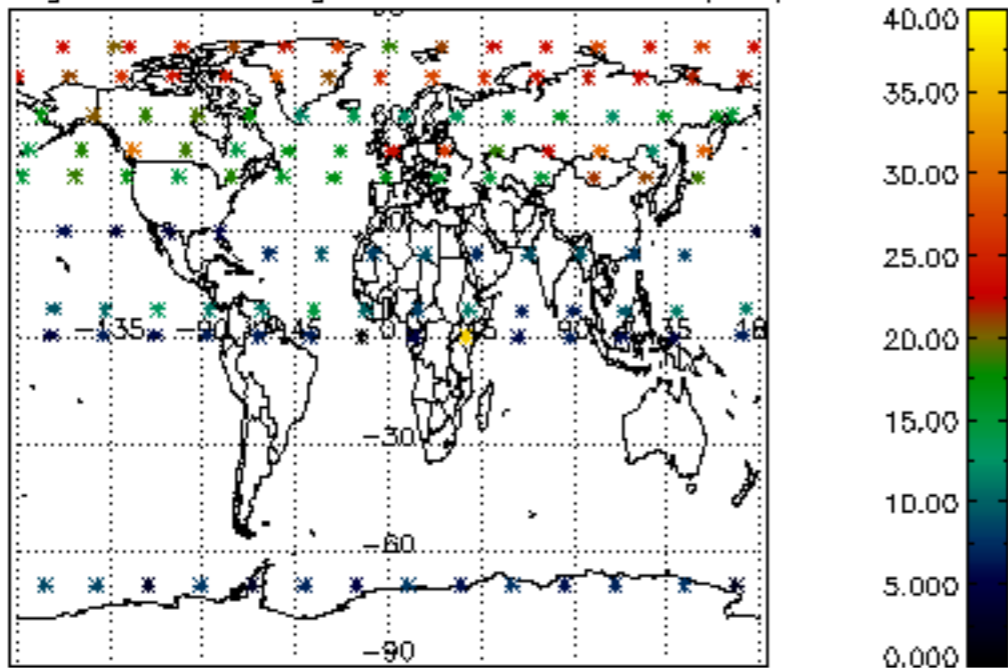
Percentage of cosmic ray hits per profile



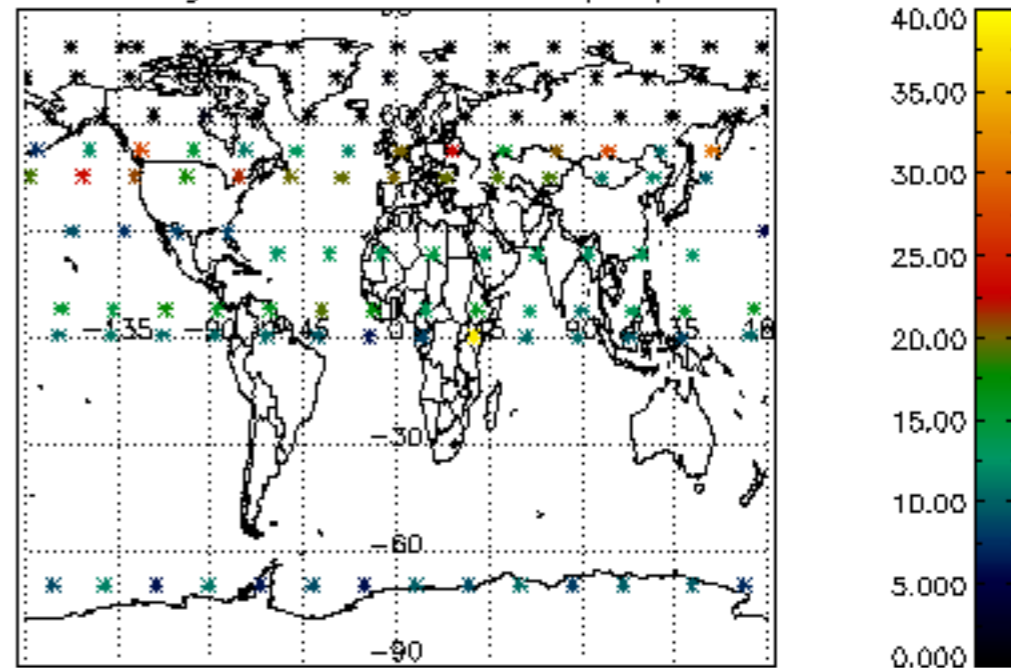
Percentage of datation errors per profile

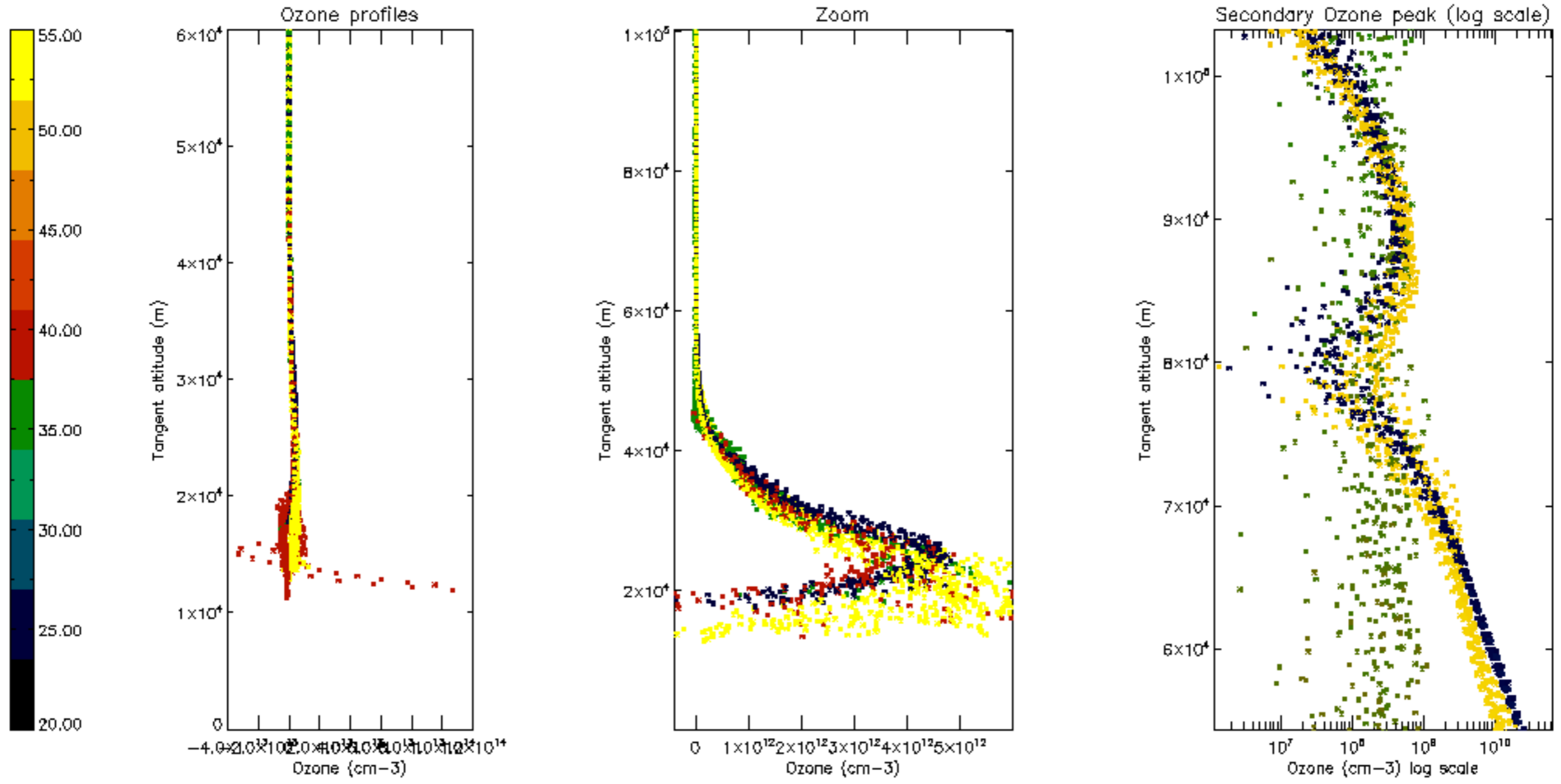


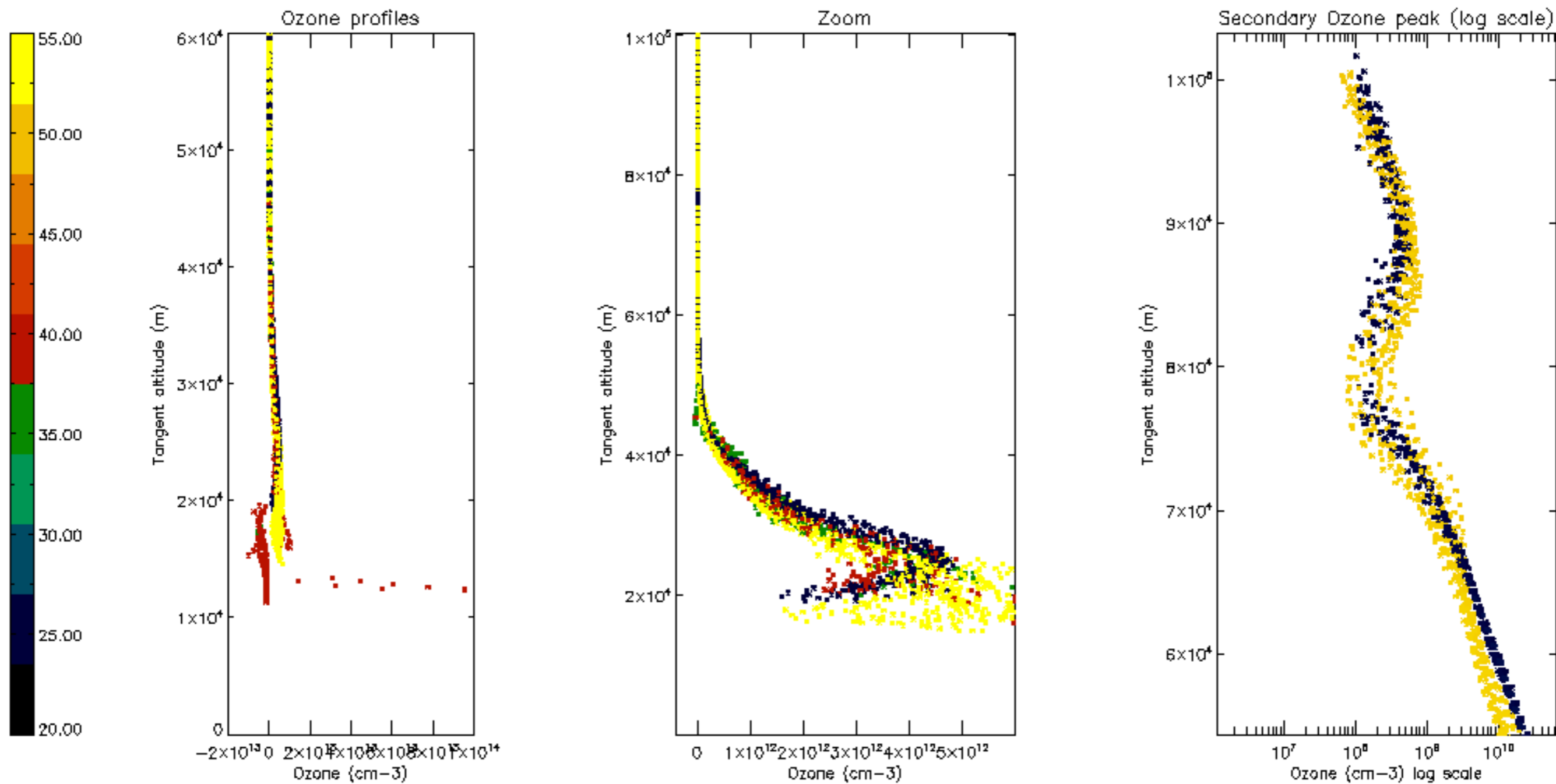
Percentage of star falling outside central band per profile

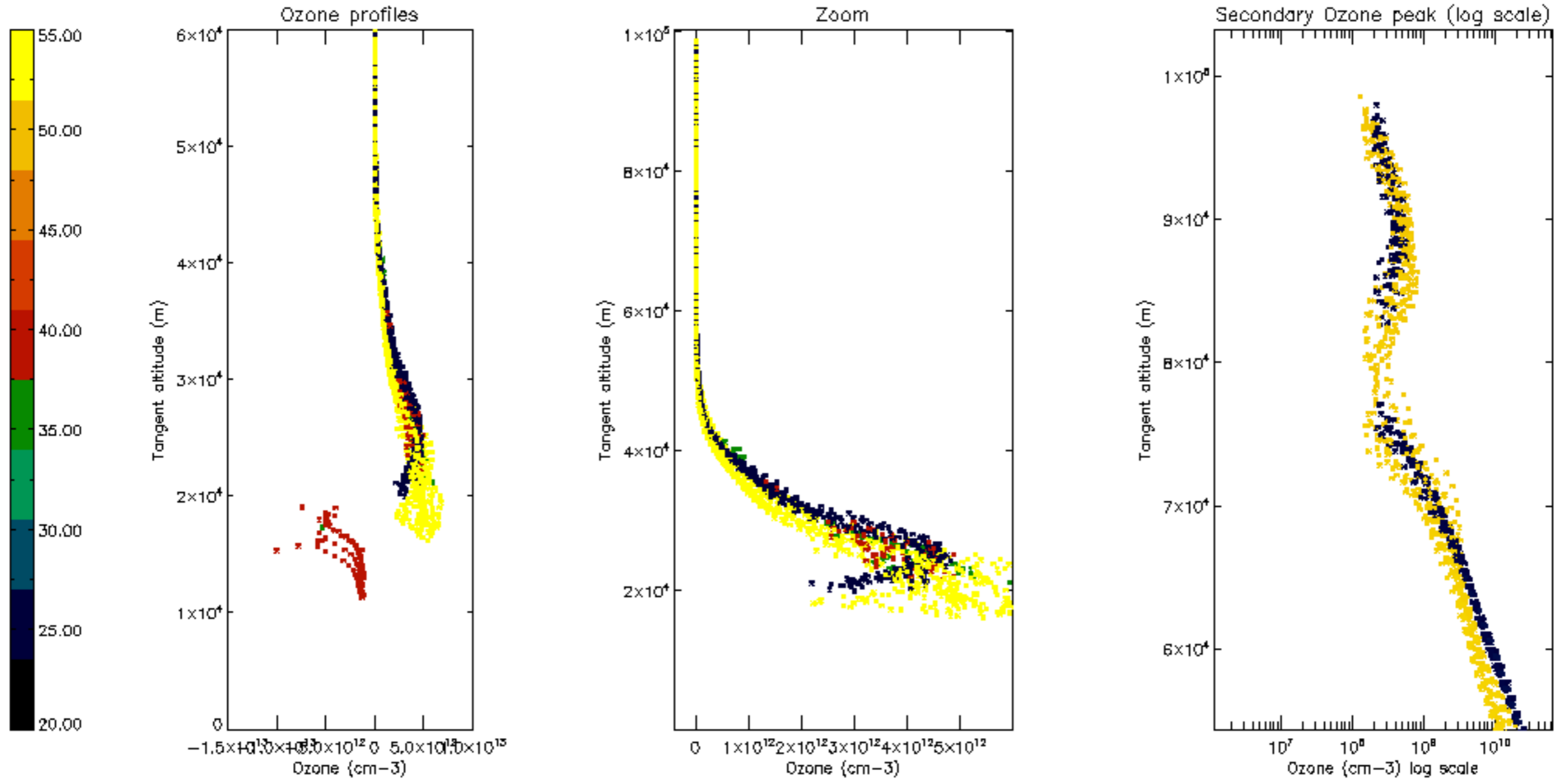


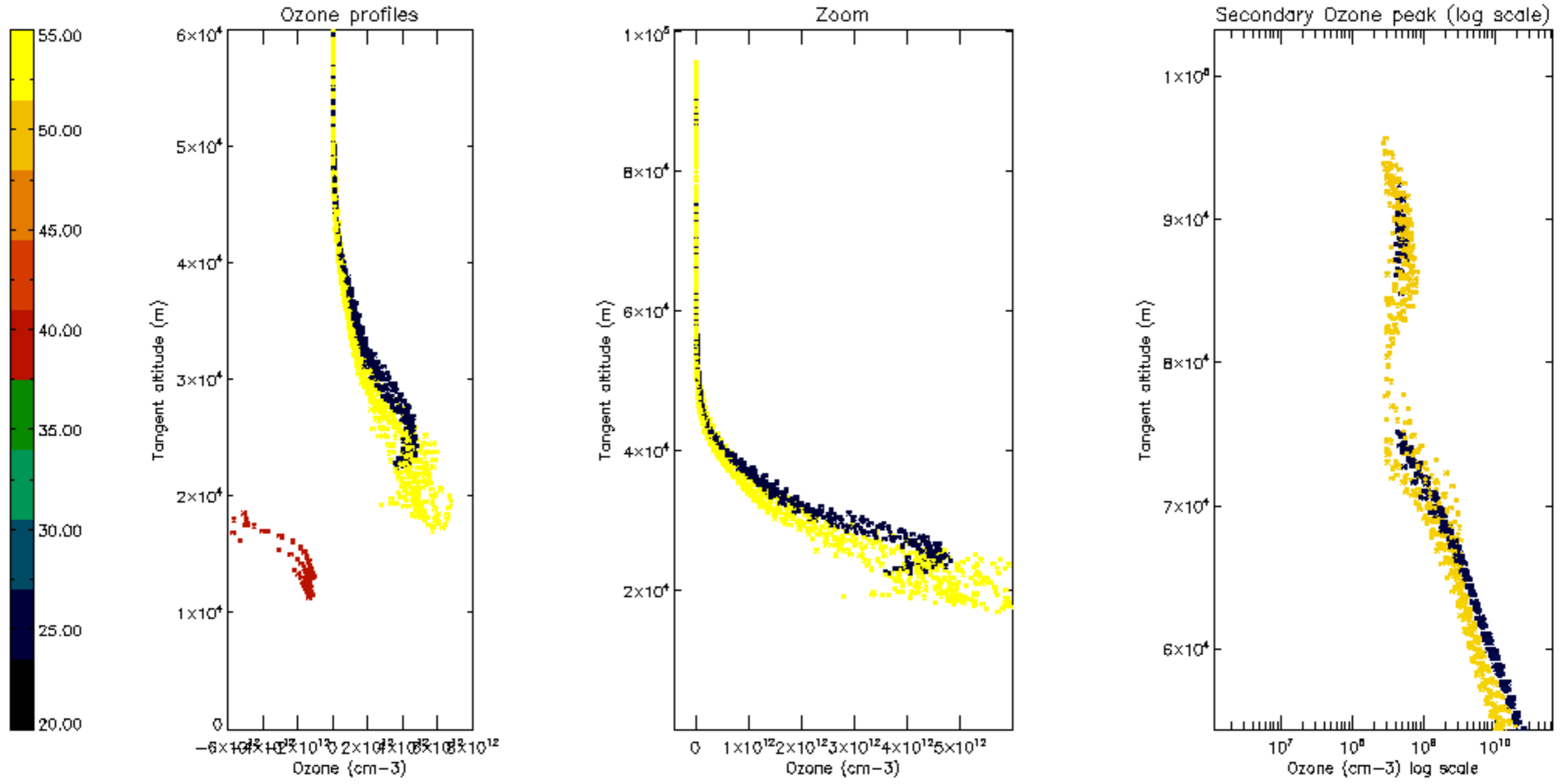
Percentage of saturation errors per profile

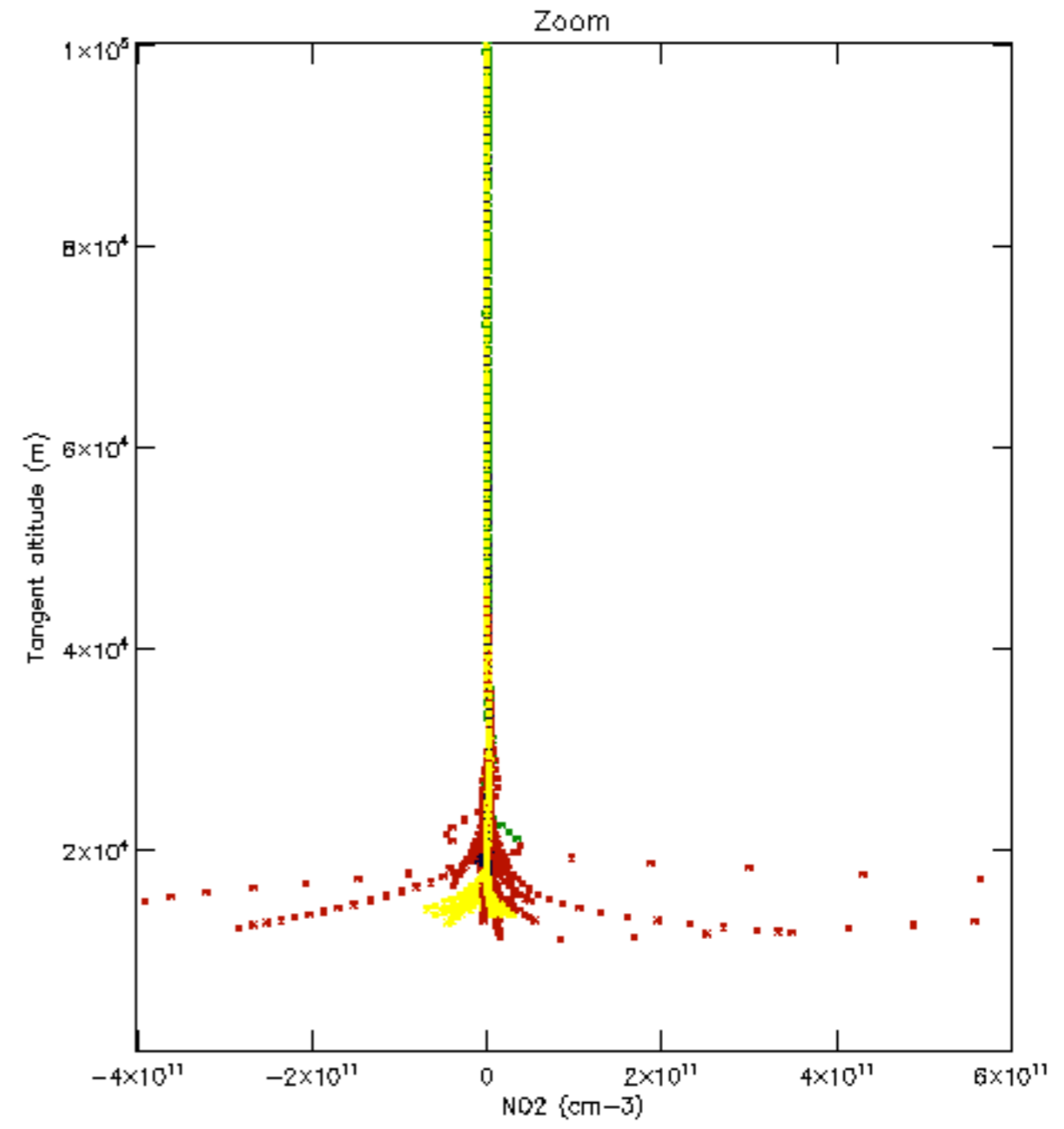
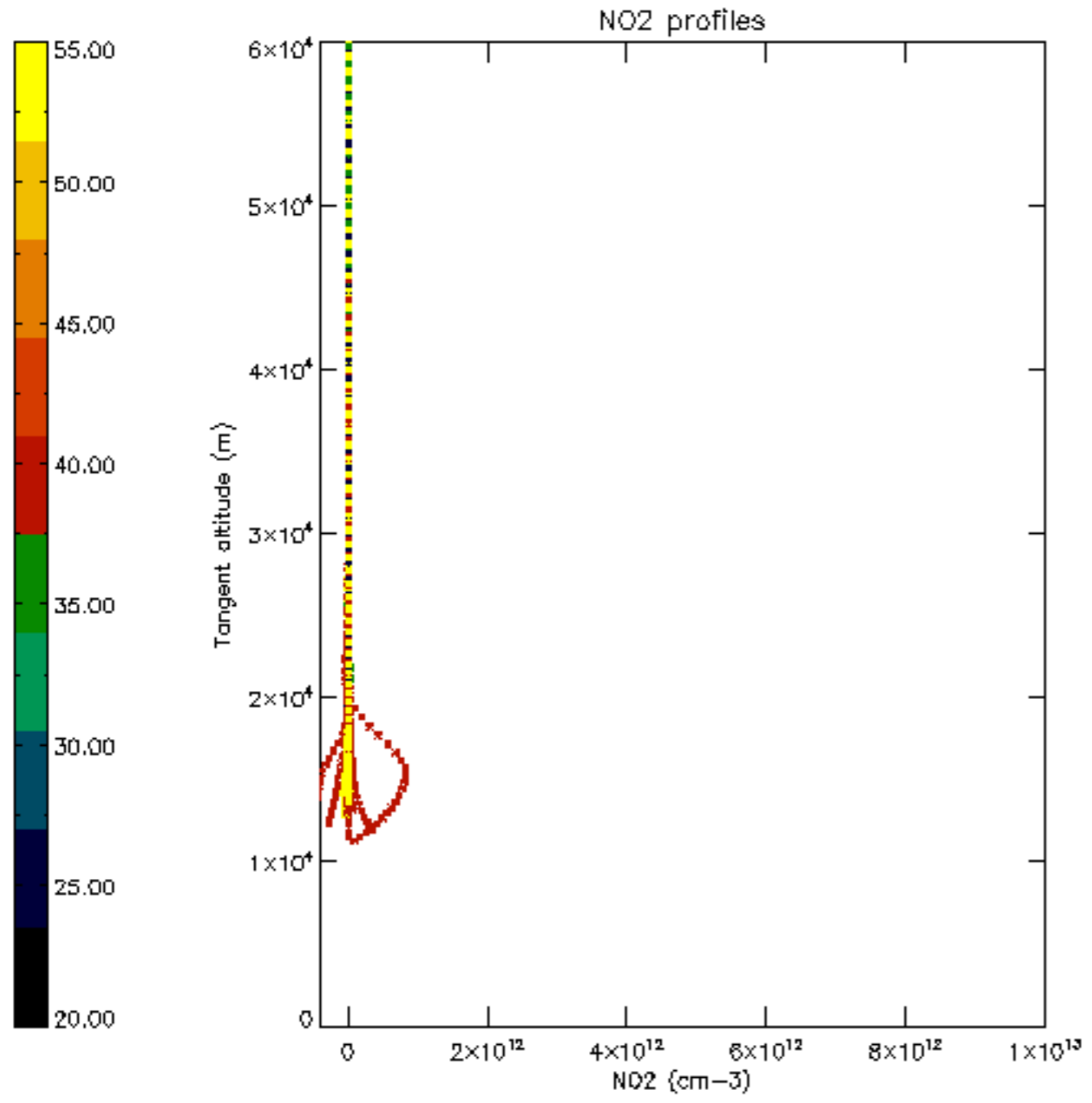


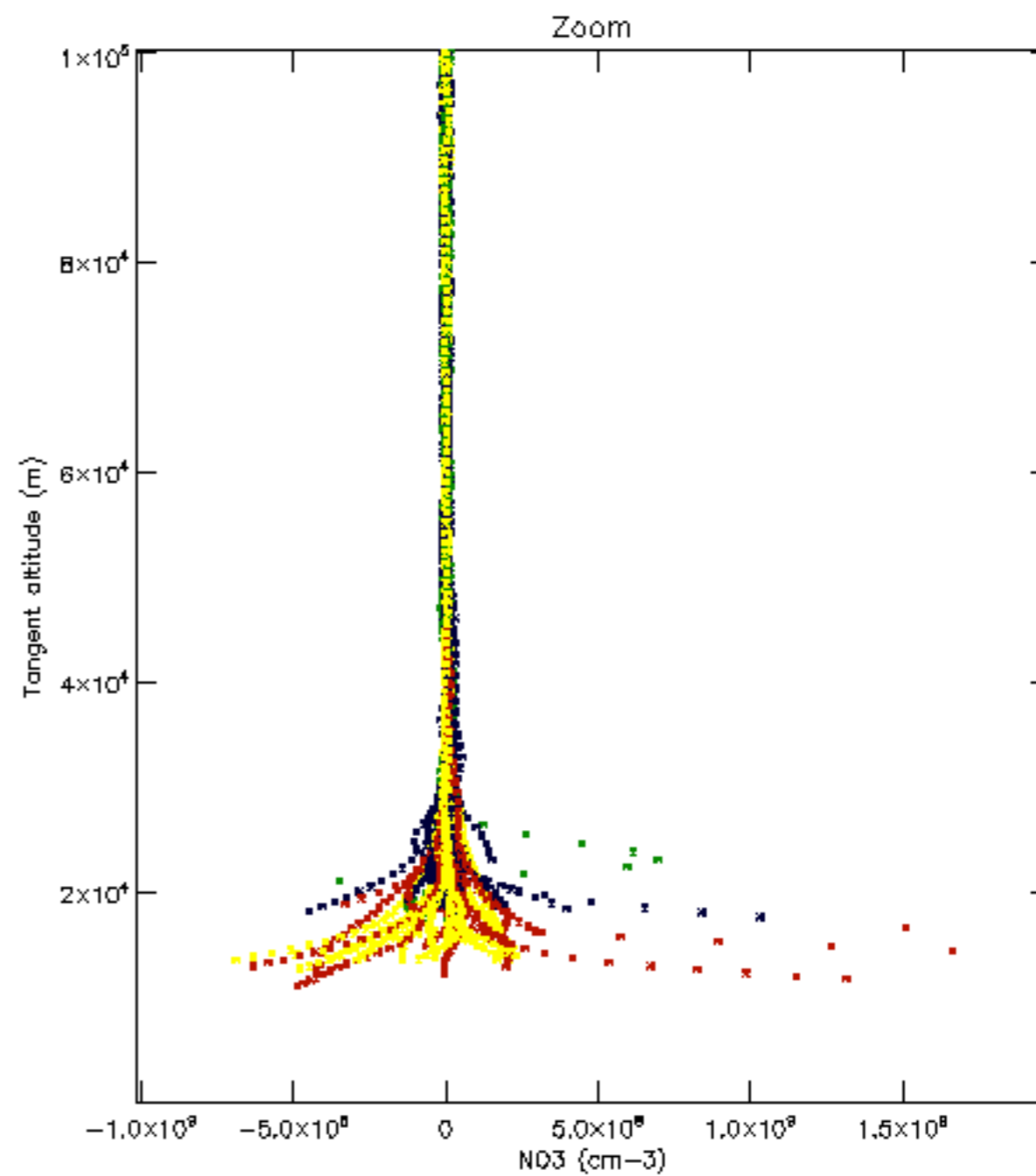
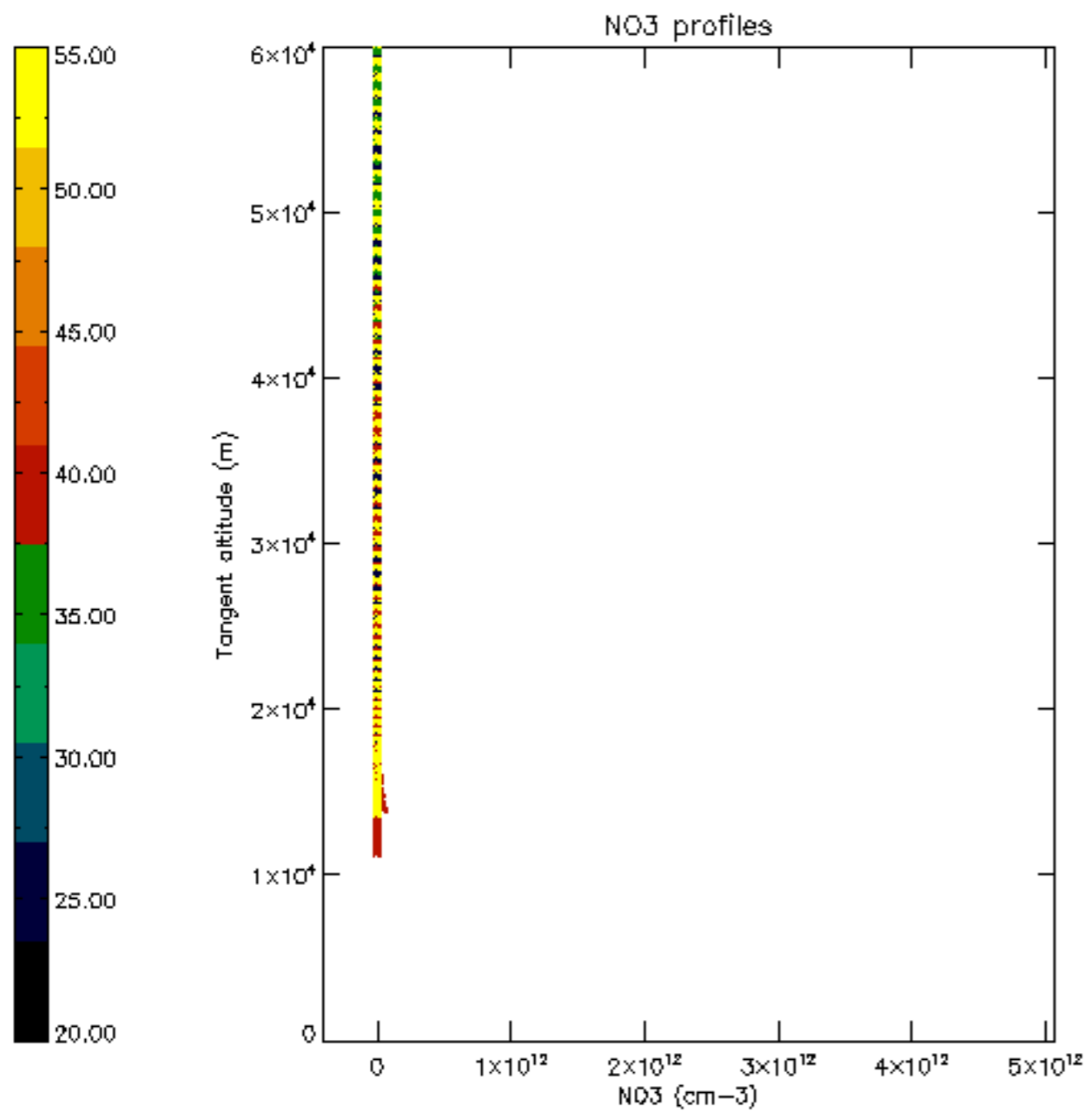


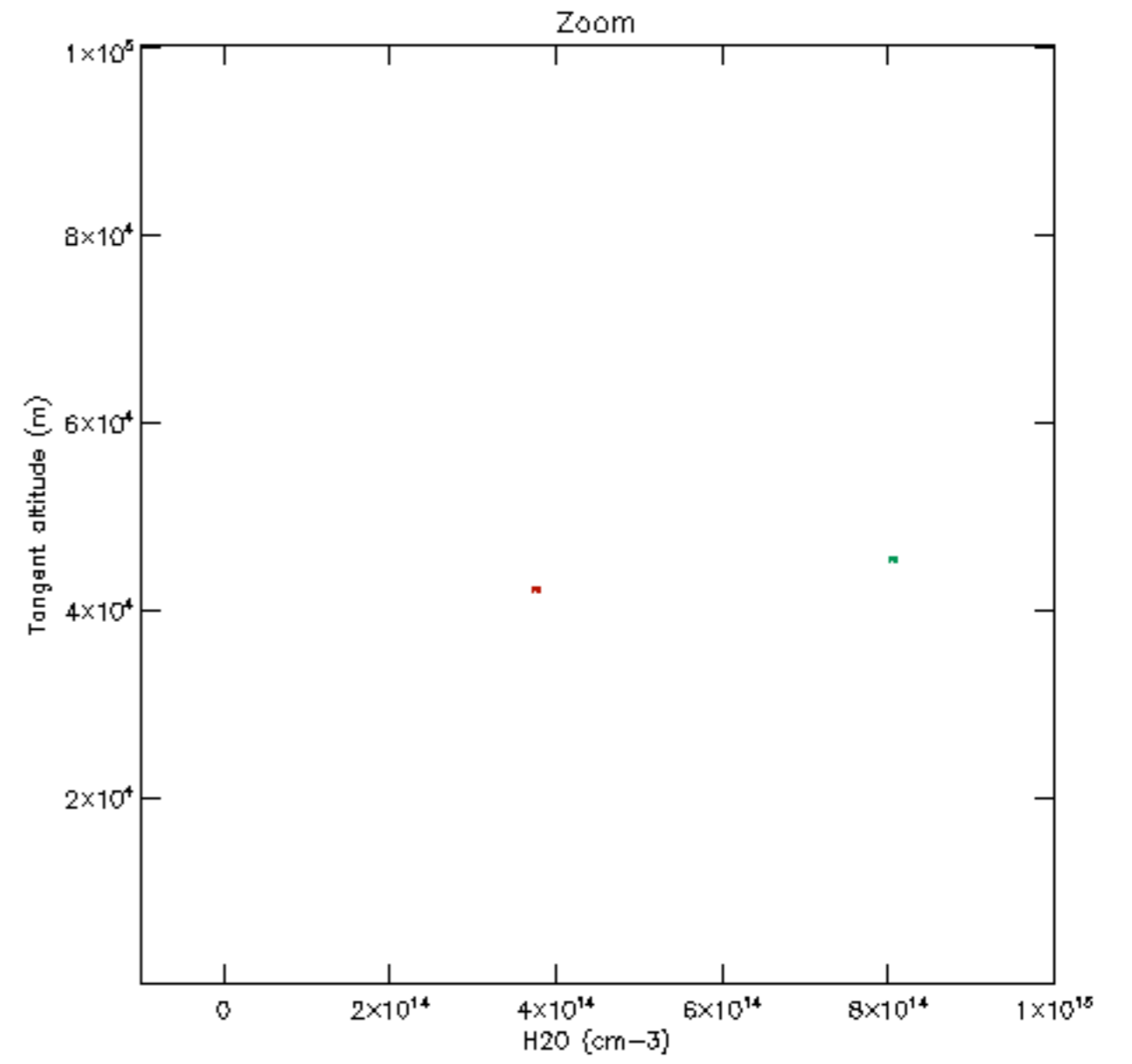
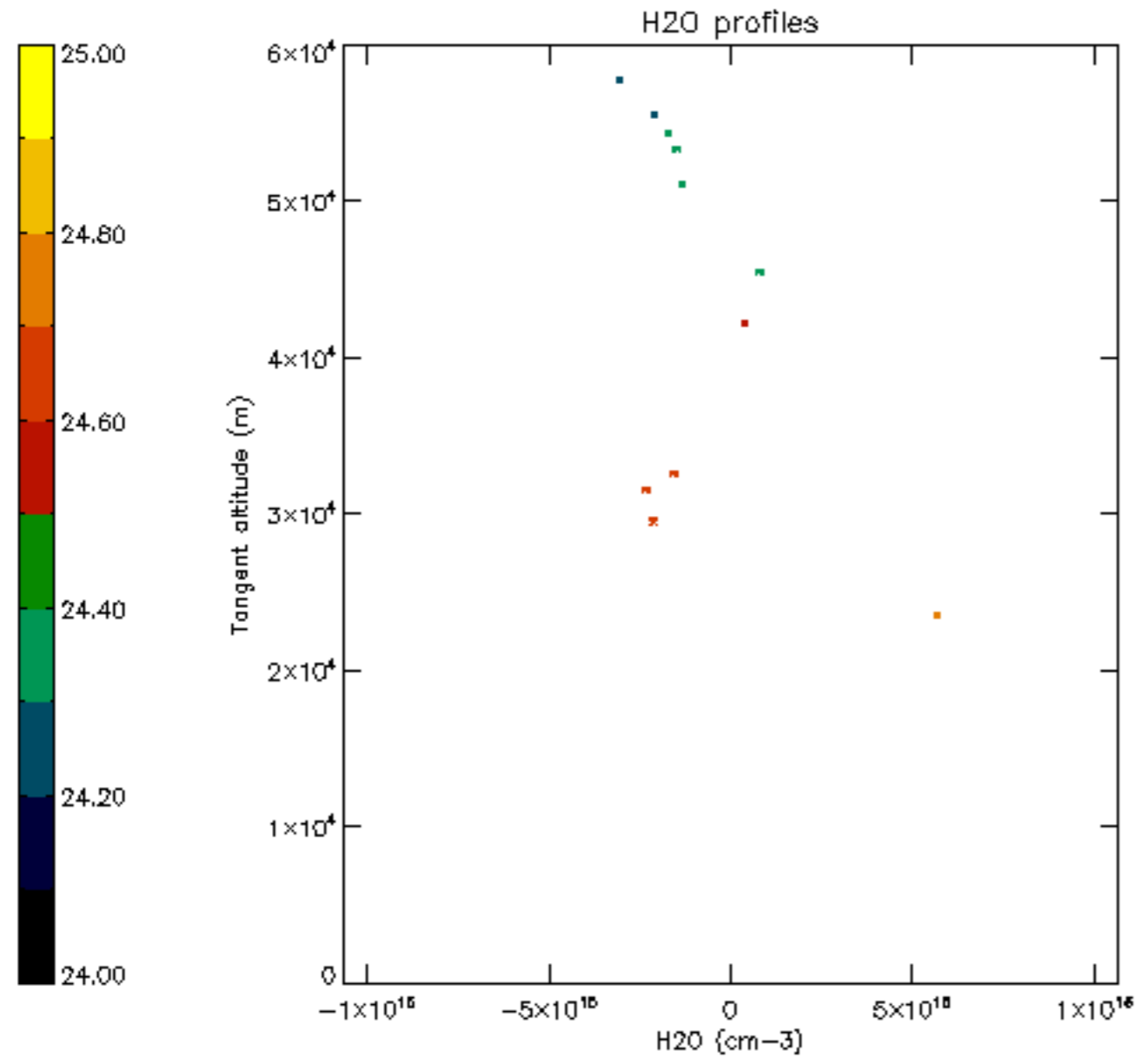


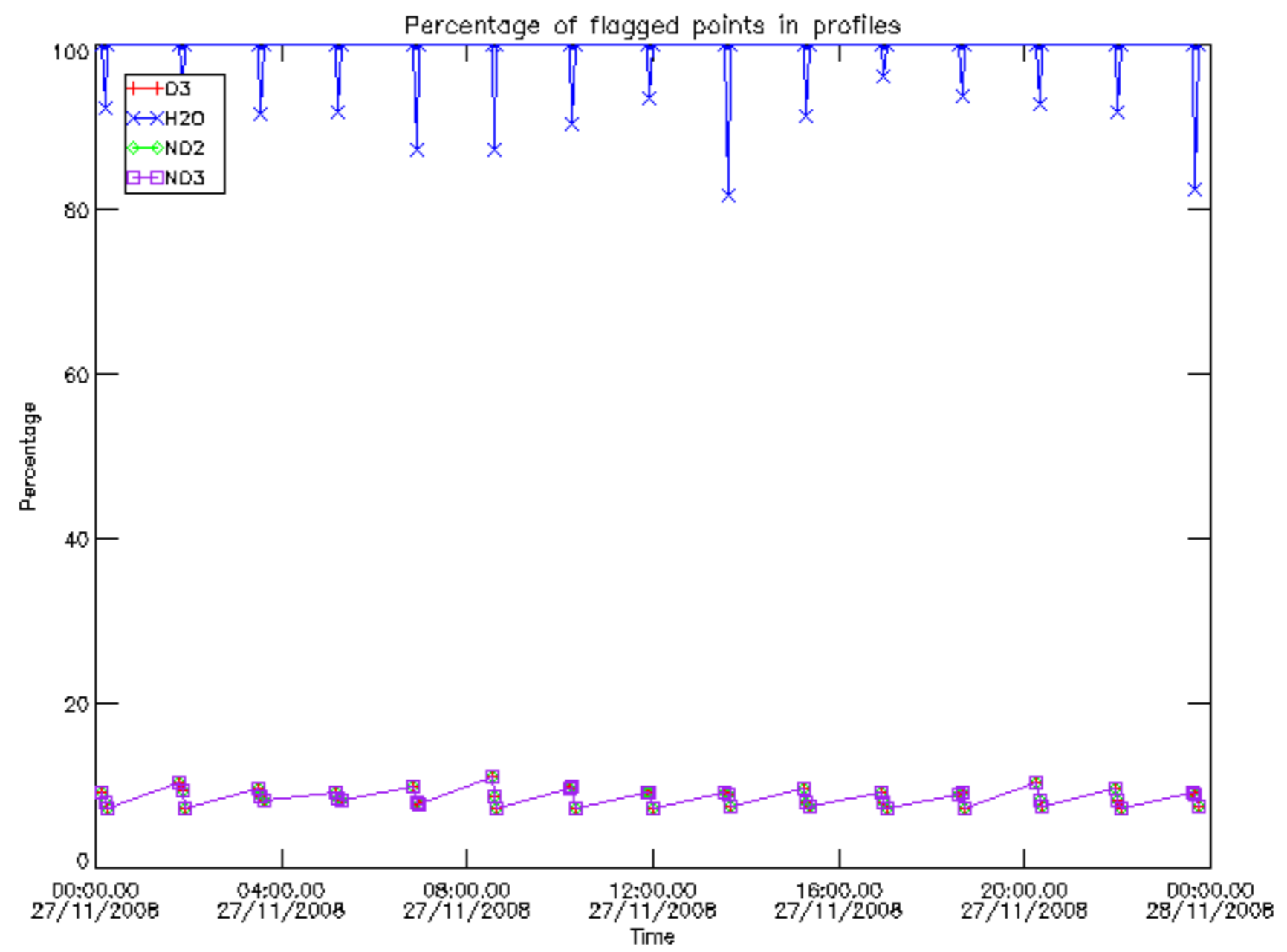




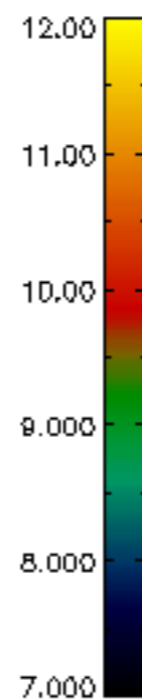
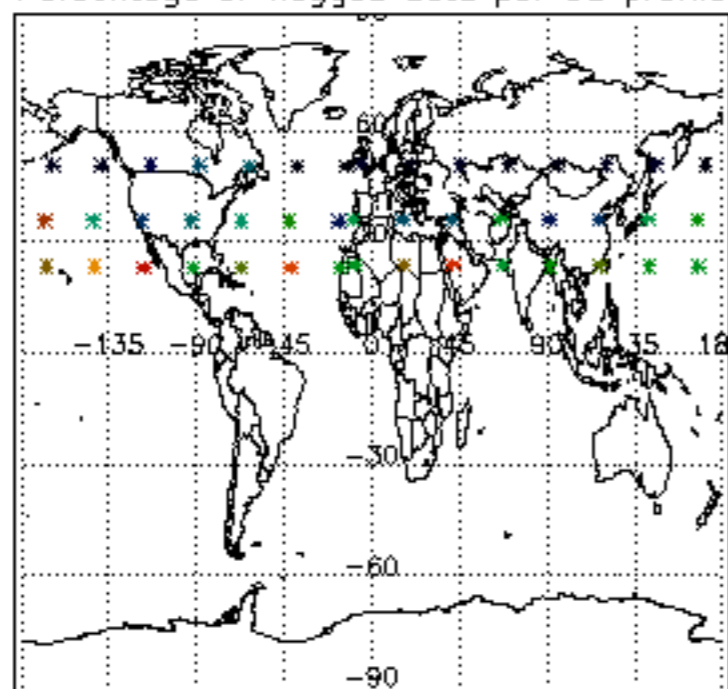




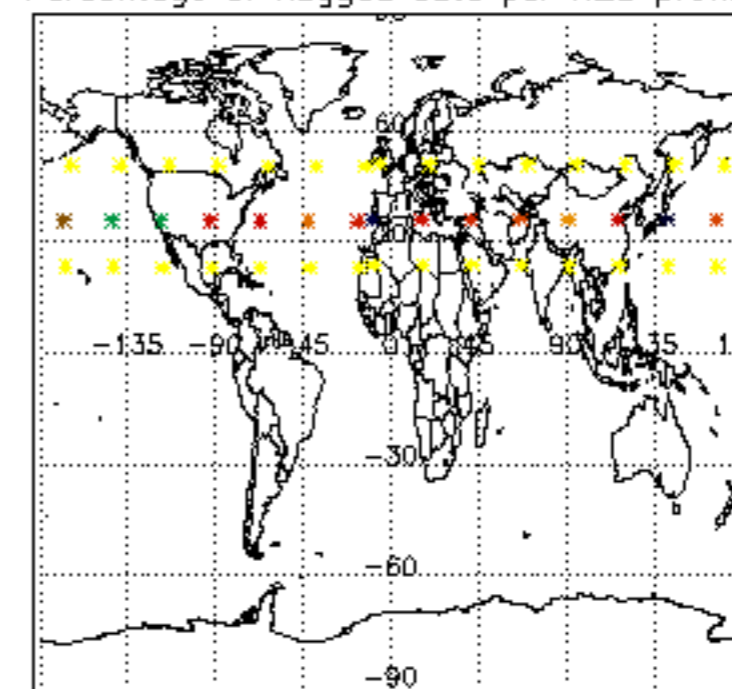




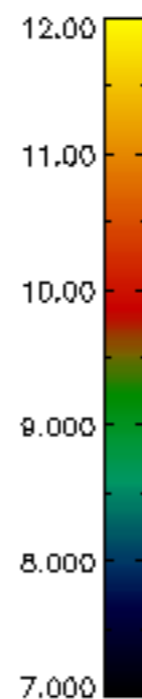
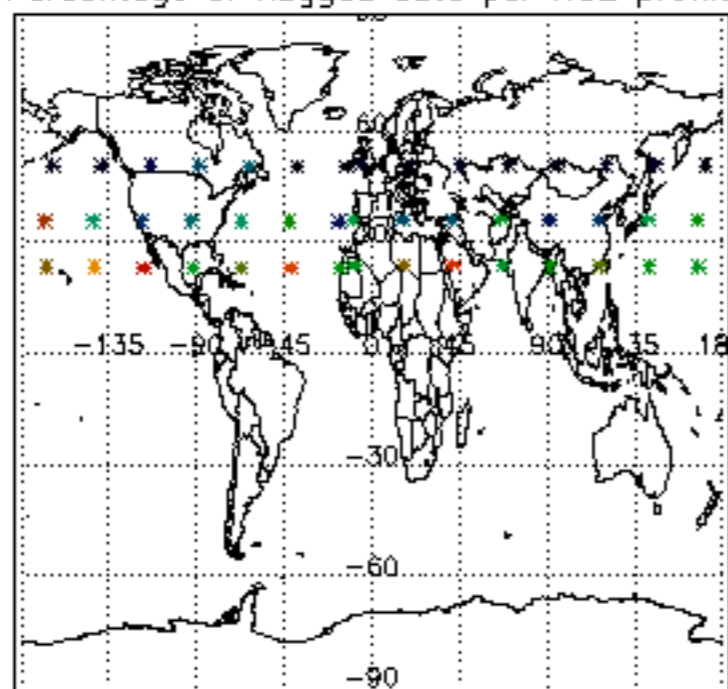
Percentage of flagged data per D3 profile



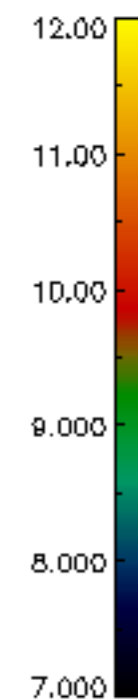
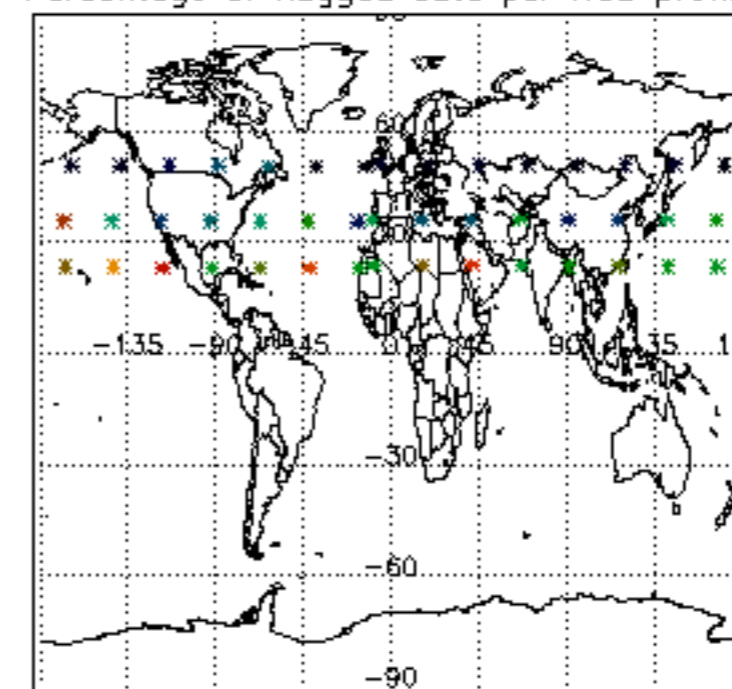
Percentage of flagged data per H2O profile

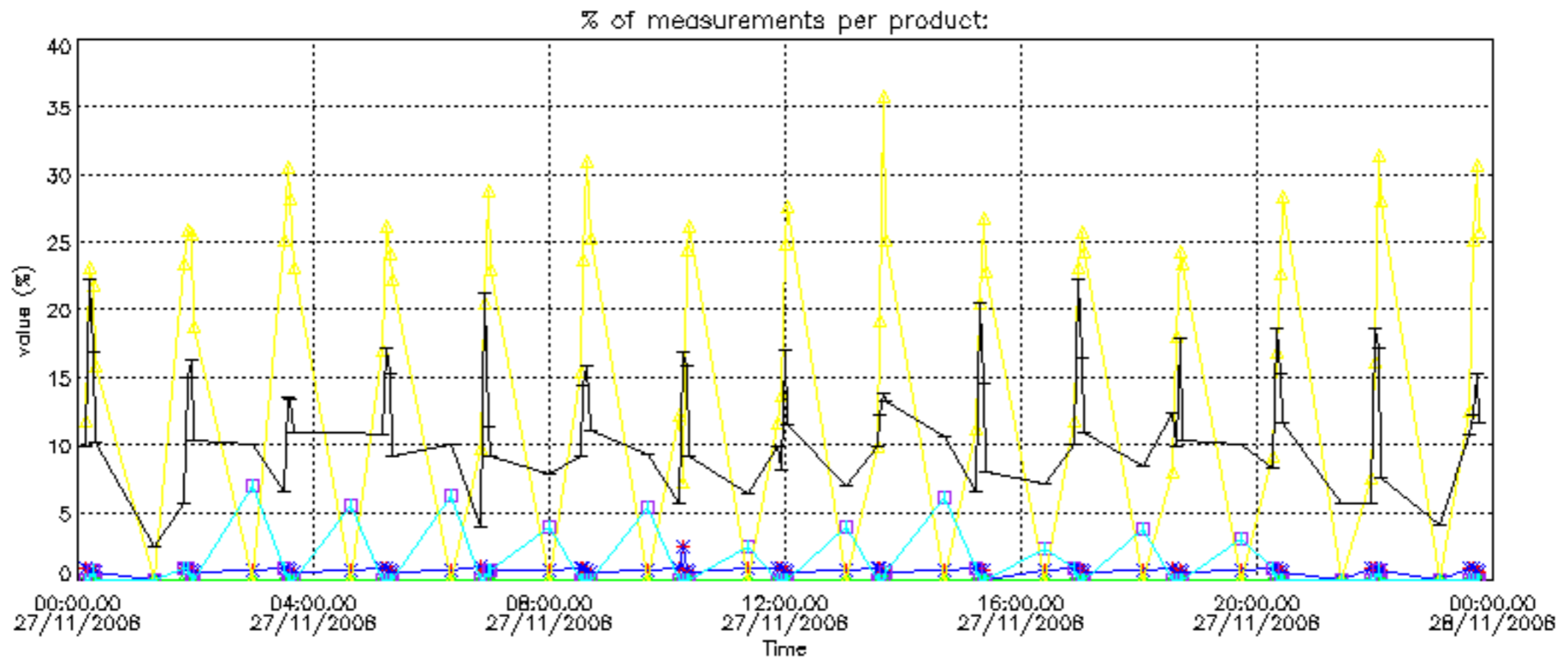


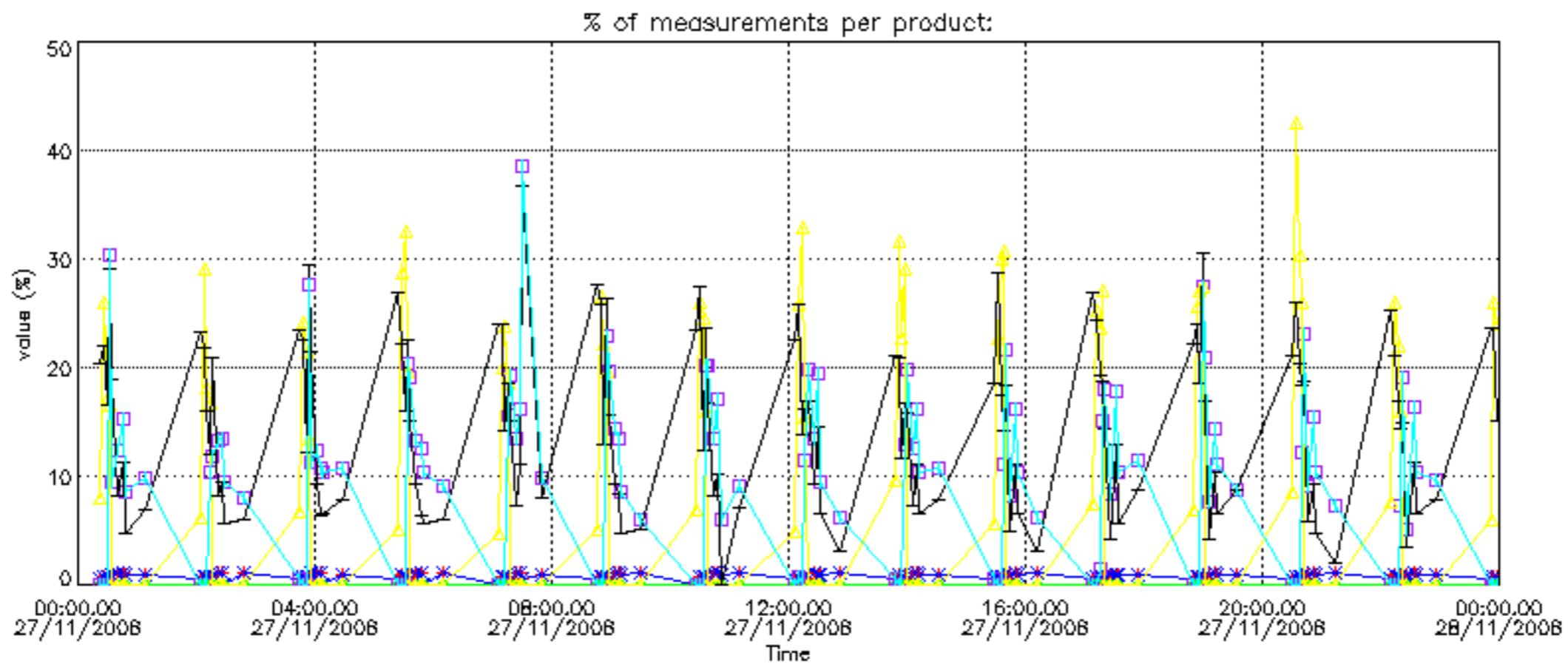
Percentage of flagged data per NO2 profile



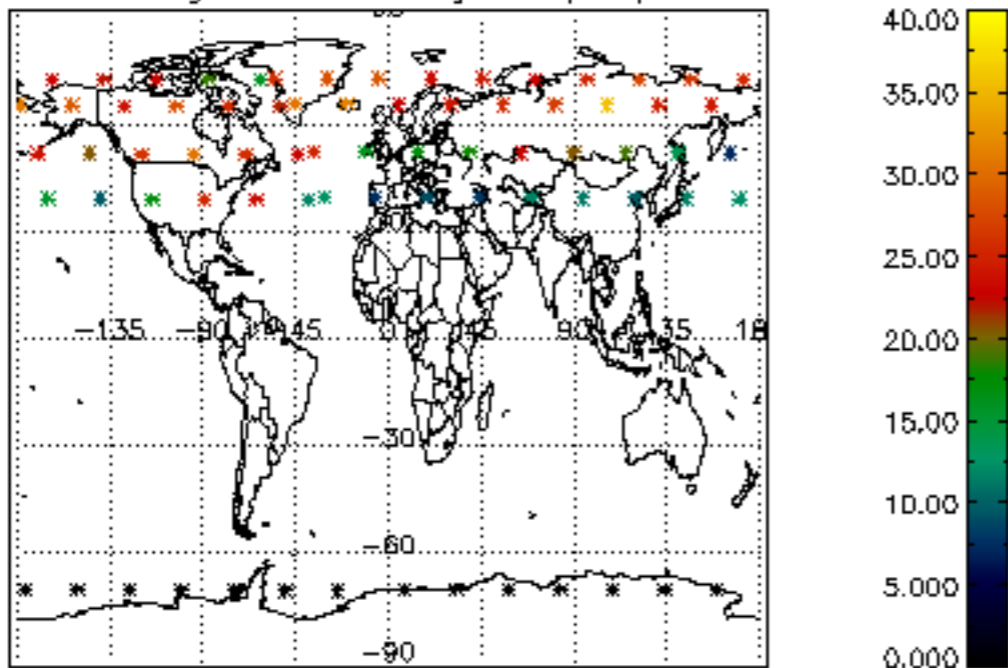
Percentage of flagged data per NO3 profile



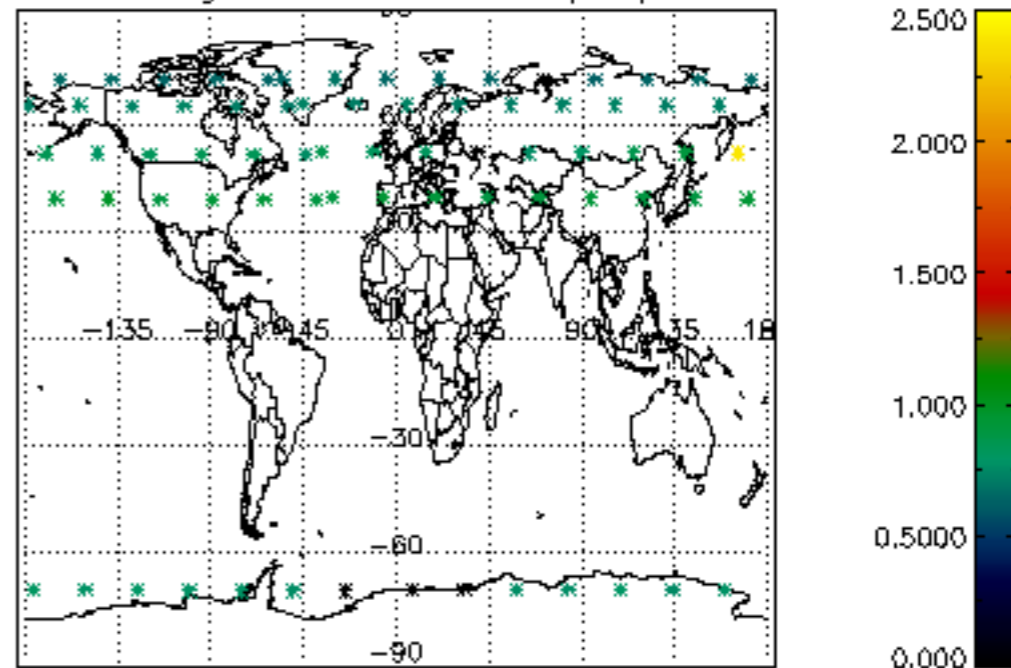




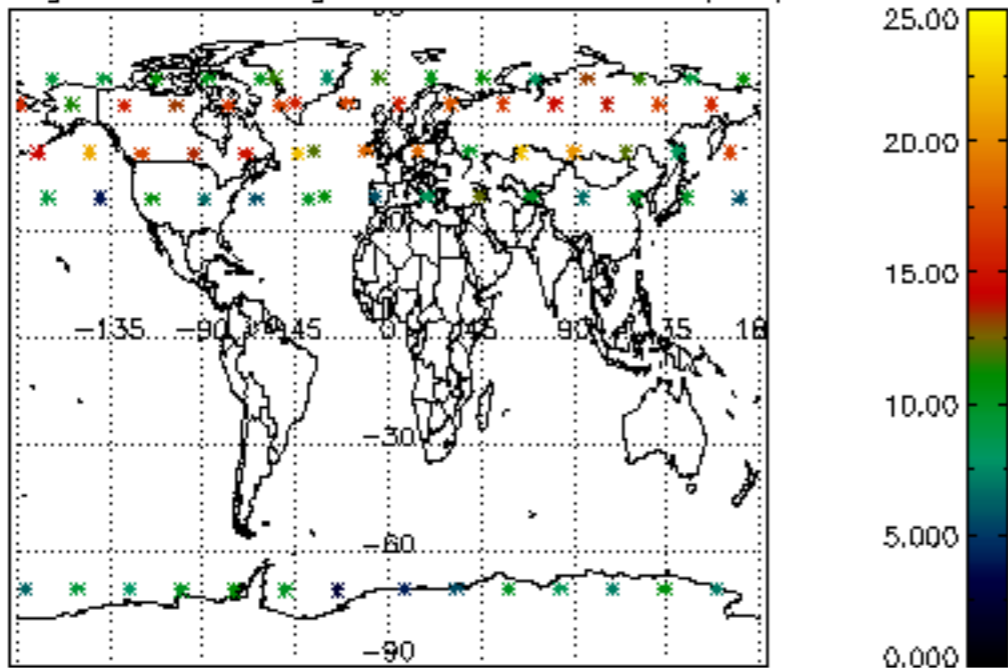
Percentage of cosmic ray hits per profile



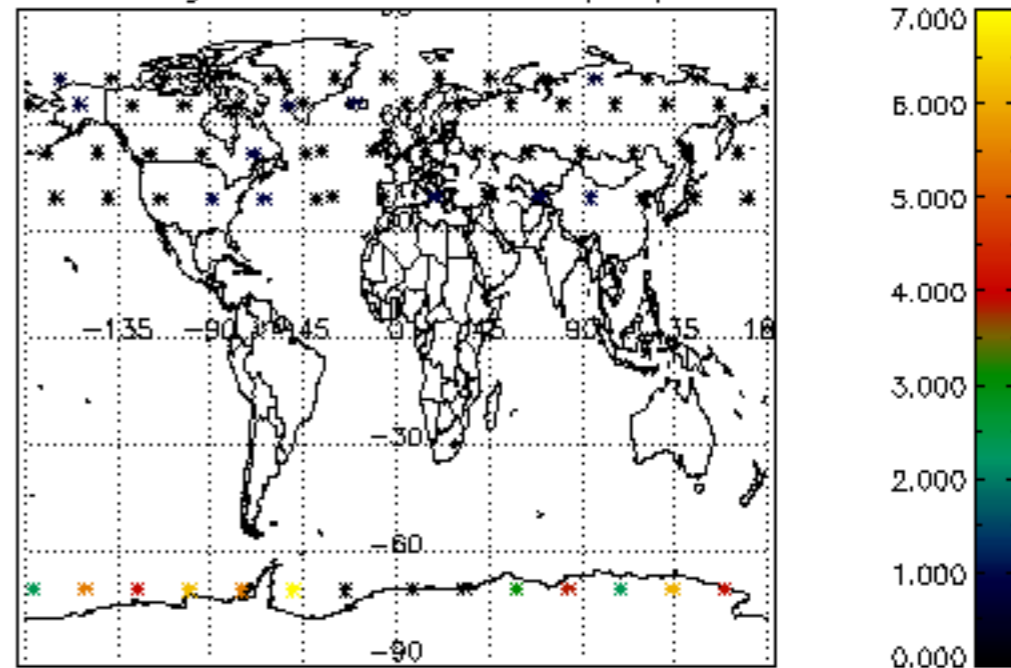
Percentage of datation errors per profile



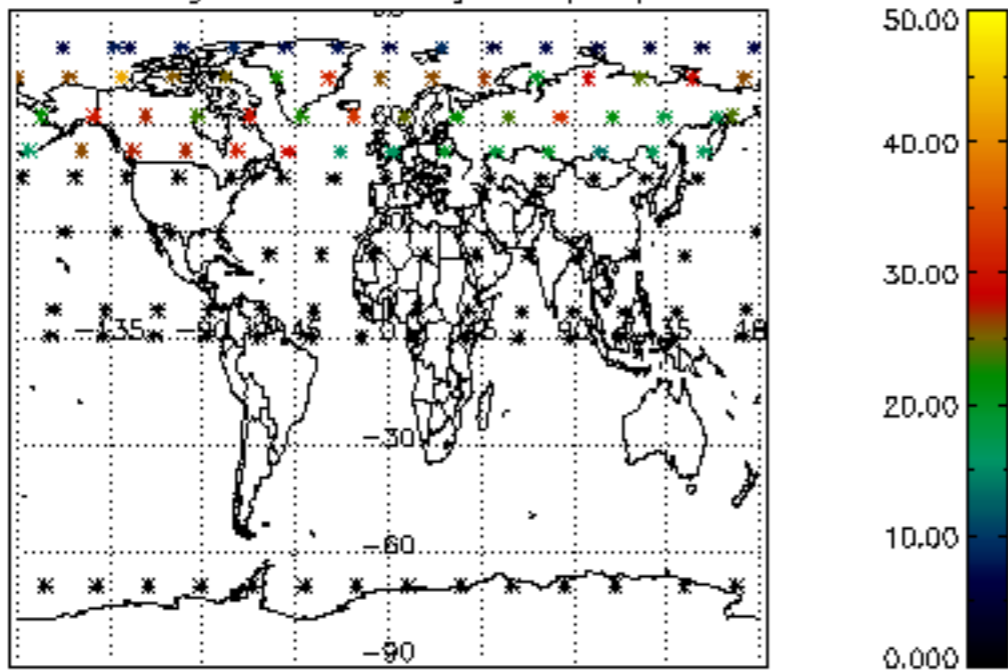
Percentage of star falling outside central band per profile



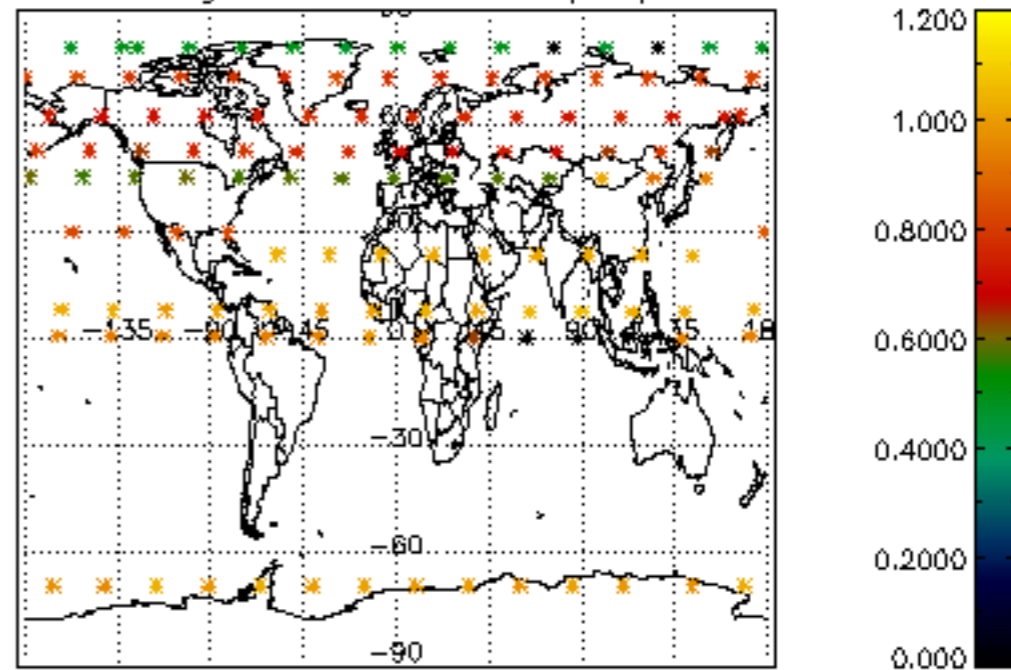
Percentage of saturation errors per profile



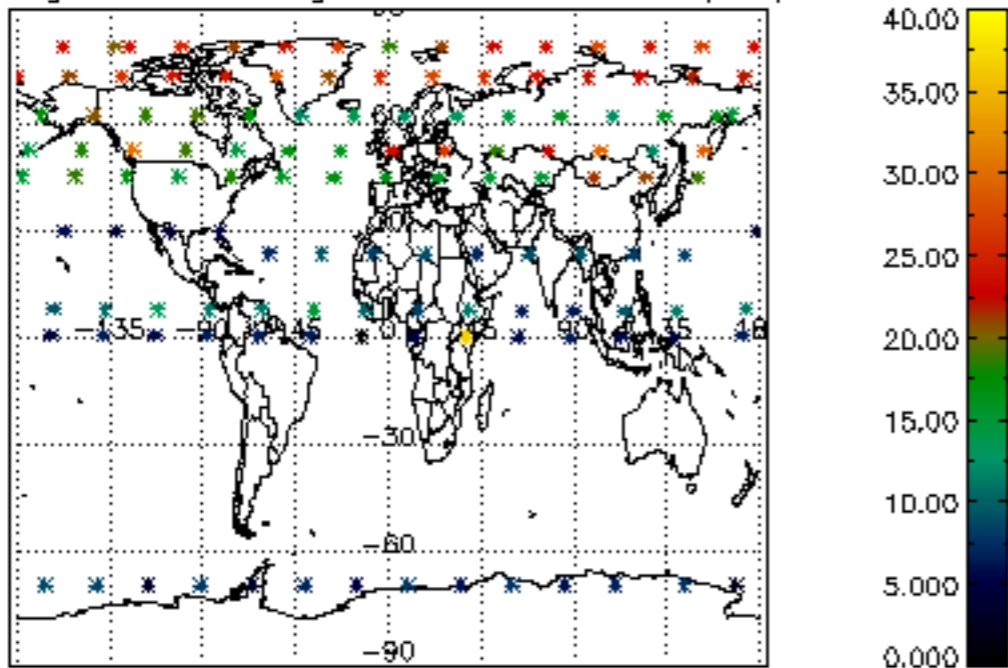
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

