

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	23APR2013 19:04:38
Data source version	GOMOS/6.01
Start time of products	23-04-2006 (23APR2006 00:00:00)
Stop time of products	24-04-2006 (24APR2006 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	313
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

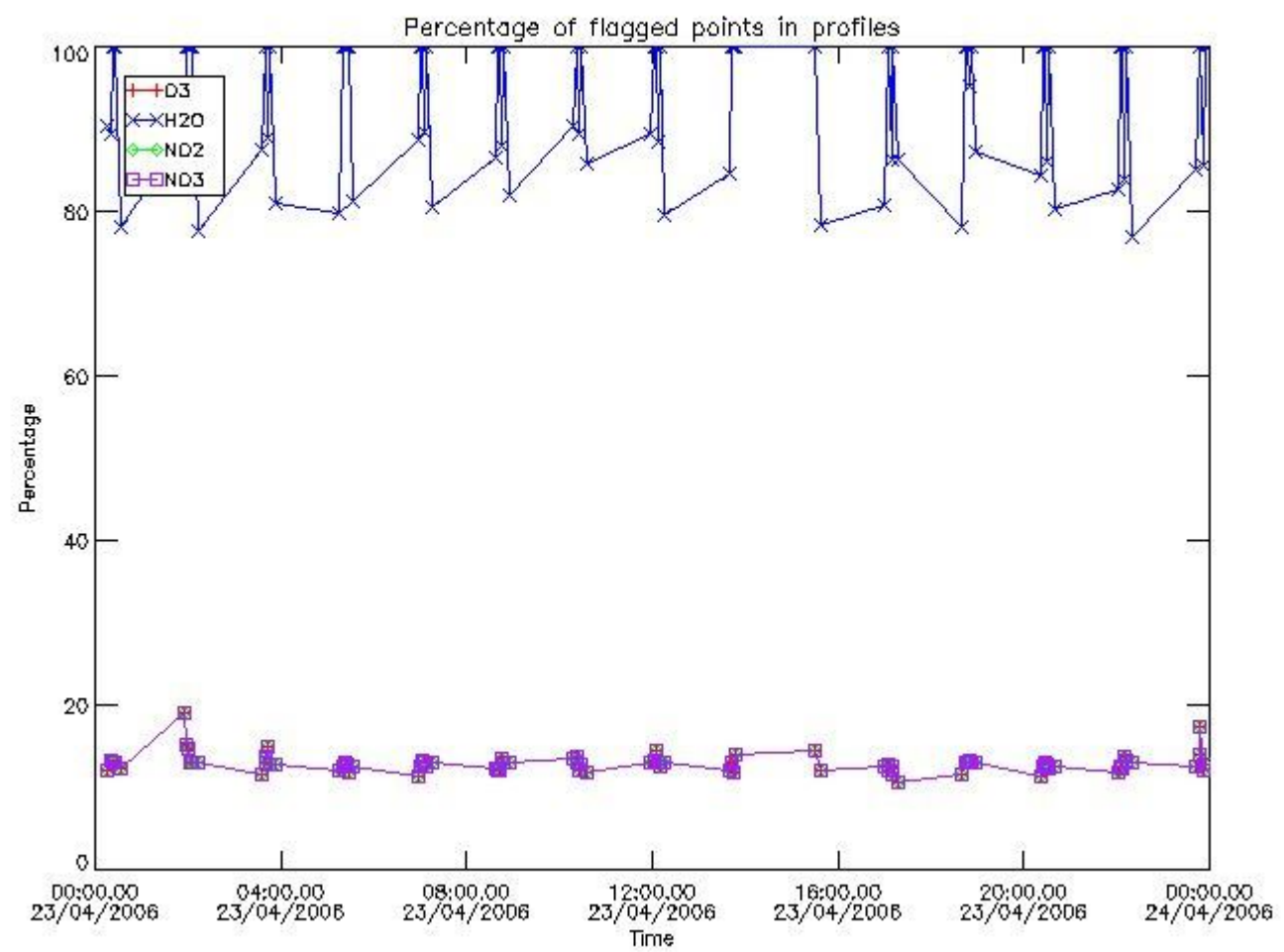
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20060423_000141_000000412047_00073_21670_9273.N1	23-APR-2006 00:01:41	Twilight	40.500	90	54Alp Peg	2.4870	11000.	81	21670	No
2	GOM_NL__2PRFIN20060423_001413_000000422047_00073_21670_9274.N1	23-APR-2006 00:14:13	Dark	42.000	18	24Alp PsA	1.1660	9700.0	84	21670	No
3	GOM_NL__2PRFIN20060423_001950_000000392047_00073_21670_9275.N1	23-APR-2006 00:19:50	Dark	38.500	31	Alp Gru	1.7340	15200.	77	21670	No
4	GOM_NL__2PRFIN20060423_002248_000000402047_00073_21670_9276.N1	23-APR-2006 00:22:48	Dark	39.500	148	Alp Tuc	2.8780	4100.0	79	21670	No
5	GOM_NL__2PRFIN20060423_002504_000000402047_00074_21671_9255.N1	23-APR-2006 00:25:04	Dark	39.500	45	Alp Pav	1.9400	26000.	79	21671	No
6	GOM_NL__2PRFIN20060423_003209_000000422047_00074_21671_9256.N1	23-APR-2006 00:32:09	Dark	41.500	43	Alp TrA	1.9100	4250.0	83	21671	No
7	GOM_NL__2PRFIN20060423_003419_000000392047_00074_21671_9257.N1	23-APR-2006 00:34:19	Straylight	39.000	134	Bet TrA	2.8100	6600.0	78	21671	No
8	GOM_NL__2PRFIN20060423_003634_000000532047_00074_21671_9258.N1	23-APR-2006 00:36:34	Straylight	52.500	4	Alp1Cen	-0.010000	5800.0	105	21671	No
9	GOM_NL__2PRFIN20060423_003952_000000412047_00074_21671_9259.N1	23-APR-2006 00:39:52	Straylight	41.000	78	Alp Lup	2.3040	28000.	82	21671	No
10	GOM_NL__2PRFIN20060423_004126_000000432047_00074_21671_9260.N1	23-APR-2006 00:41:26	Straylight	43.000	81	Eta Cen	2.3560	28000.	86	21671	No
11	GOM_NL__2PRFIN20060423_004340_000000452047_00074_21671_9261.N1	23-APR-2006 00:43:40	Straylight	45.000	54	5The Cen	2.0550	4500.0	90	21671	No
12	GOM_NL__2PRFIN20060423_004808_000000442047_00074_21671_9262.N1	23-APR-2006 00:48:08	Twilight	43.500	169	46Gam Hya	2.9910	4700.0	87	21671	No
13	GOM_NL__2PRFIN20060423_005135_000000422047_00074_21671_9263.N1	23-APR-2006 00:51:35	Bright	42.000	15	67Alp Vir	0.97600	28000.	84	21671	No
14	GOM_NL__2PRFIN20060423_005438_000000362047_00074_21671_9264.N1	23-APR-2006 00:54:38	Bright	36.000	121	29Gam Vir	2.7400	7200.0	72	21671	No
15	GOM_NL__2PRFIN20060423_005809_000000372047_00074_21671_9265.N1	23-APR-2006 00:58:09	Bright	37.000	138	47Eps Vir	2.8280	4700.0	74	21671	No
16	GOM_NL__2PRFIN20060423_010604_000000352047_00074_21671_9266.N1	23-APR-2006 01:06:04	Bright	34.500	152	12Alp2CVn	2.8900	11000.	69	21671	No
17	GOM_NL__2PRFIN20060423_011016_000000352047_00074_21671_9267.N1	23-APR-2006 01:10:16	Bright	34.500	87	64Gam UMa	2.4330	11000.	69	21671	No
18	GOM_NL__2PRFIN20060423_011249_000000342047_00074_21671_9268.N1	23-APR-2006 01:12:49	Bright	34.000	36	50Alp UMa	1.8000	6300.0	68	21671	No
19	GOM_NL__2PRFIN20060423_012039_000000362047_00074_21671_9269.N1	23-APR-2006 01:20:39	Bright	35.500	49	1Alp UMi	1.9900	6300.0	71	21671	No
20	GOM_NL__2PRFIN20060423_012824_000000332047_00074_21671_9270.N1	23-APR-2006 01:28:24	Bright	33.000	76	27Gam Cas	2.3000	30000.	66	21671	No
21	GOM_NL__2PRFIN20060423_012942_000000352047_00074_21671_9271.N1	23-APR-2006 01:29:42	Bright	35.000	68	18Alp Cas	2.2250	4500.0	70	21671	No
22	GOM_NL__2PRFIN20060423_013806_000000382047_00074_21671_9272.N1	23-APR-2006 01:38:06	Bright	38.000	164	44Eta Peg	2.9480	5400.0	76	21671	No
23	GOM_NL__2PRFIN20060423_014217_000000402047_00074_21671_9273.N1	23-APR-2006 01:42:17	Twilight	40.000	90	54Alp Peg	2.4870	11000.	80	21671	No
24	GOM_NL__2PRFIN20060423_015449_000000432047_00074_21671_9274.N1	23-APR-2006 01:54:49	Dark	42.500	18	24Alp PsA	1.1660	9700.0	85	21671	No
25	GOM_NL__2PRFIN20060423_015836_000000402047_00074_21671_9275.N1	23-APR-2006 01:58:36	Dark	40.000	172	Gam Gru	3.0030	13100.	80	21671	No
26	GOM_NL__2PRFIN20060423_020026_000000382047_00074_21671_9276.N1	23-APR-2006 02:00:26	Dark	38.000	31	Alp Gru	1.7340	15200.	76	21671	No
27	GOM_NL__2PRFIN20060423_020324_000000402047_00074_21671_9277.N1	23-APR-2006 02:03:24	Dark	39.500	148	Alp Tuc	2.8780	4100.0	79	21671	No
28	GOM_NL__2PRFIN20060423_020541_000000392047_00075_21672_9255.N1	23-APR-2006 02:05:41	Dark	39.000	45	Alp Pav	1.9400	26000.	78	21672	No
29	GOM_NL__2PRFIN20060423_021246_000000432047_00075_21672_9256.N1	23-APR-2006 02:12:46	Dark	43.000	43	Alp TrA	1.9100	4250.0	86	21672	No
30	GOM_NL__2PRFIN20060423_021455_000000392047_00075_21672_9257.N1	23-APR-2006 02:14:55	Straylight	38.500	134	Bet TrA	2.8100	6600.0	77	21672	No
31	GOM_NL__2PRFIN20060423_021710_000000502047_00075_21672_9258.N1	23-APR-2006 02:17:10	Straylight	49.500	4	Alp1Cen	-0.010000	5800.0	99	21672	No
32	GOM_NL__2PRFIN20060423_022028_000000412047_00075_21672_9259.N1	23-APR-2006 02:20:28	Straylight	40.500	78	Alp Lup	2.3040	28000.	81	21672	No
33	GOM_NL__2PRFIN20060423_022203_000000422047_00075_21672_9260.N1	23-APR-2006 02:22:03	Straylight	41.500	81	Eta Cen	2.3560	28000.	83	21672	No
34	GOM_NL__2PRFIN20060423_022416_000000452047_00075_21672_9261.N1	23-APR-2006 02:24:16	Straylight	45.000	54	5The Cen	2.0550	4500.0	90	21672	No
35	GOM_NL__2PRFIN20060423_022844_000000422047_00075_21672_9262.N1	23-APR-2006 02:28:44	Twilight	41.500	169	46Gam Hya	2.9910	4700.0	83	21672	No
36	GOM_NL__2PRFIN20060423_023212_000000412047_00075_21672_9263.N1	23-APR-2006 02:32:12	Bright	40.500	15	67Alp Vir	0.97600	28000.	81	21672	No
37	GOM_NL__2PRFIN20060423_023514_000000362047_00075_21672_9264.N1	23-APR-2006 02:35:14	Bright	35.500	121	29Gam Vir	2.7400	7200.0	71	21672	No
38	GOM_NL__2PRFIN20060423_023845_000000372047_00075_21672_9265.N1	23-APR-2006 02:38:45	Bright	37.000	138	47Eps Vir	2.8280	4700.0	74	21672	No
39	GOM_NL__2PRFIN20060423_024006_000000352047_00075_21672_9266.N1	23-APR-2006 02:40:06	Bright	35.000	62	94Bet Leo	2.1360	9700.0	70	21672	No
40	GOM_NL__2PRFIN20060423_024640_000000372047_00075_21672_9267.N1	23-APR-2006 02:46:40	Bright	36.500	152	12Alp2CVn	2.8900	11000.	73	21672	No
41	GOM_NL__2PRFIN20060423_025053_000000342047_00075_21672_9268.N1	23-APR-2006 02:50:53	Bright	34.000	87	64Gam UMa	2.4330	11000.	68	21672	No
42	GOM_NL__2PRFIN20060423_025325_000000342047_00075_21672_9269.N1	23-APR-2006 02:53:25	Bright	34.000	36	50Alp UMa	1.8000	6300.0	68	21672	No

279	GOM_NL__2PRFIN20060423_211729_000000362047_00086_21683_9288.N1	23-APR-2006 21:17:29	Bright	35.500	87	64Gam UMa	2.4330	11000.	71	21683	No
280	GOM_NL__2PRFIN20060423_212002_000000372047_00086_21683_9289.N1	23-APR-2006 21:20:02	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	21683	No
281	GOM_NL__2PRFIN20060423_212751_000000362047_00086_21683_9290.N1	23-APR-2006 21:27:51	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	21683	No
282	GOM_NL__2PRFIN20060423_213538_000000332047_00086_21683_9291.N1	23-APR-2006 21:35:38	Bright	33.000	76	27Gam Cas	2.3000	30000.	66	21683	No
283	GOM_NL__2PRFIN20060423_213655_000000332047_00086_21683_9292.N1	23-APR-2006 21:36:55	Bright	32.500	68	18Alp Cas	2.2250	4500.0	65	21683	No
284	GOM_NL__2PRFIN20060423_214546_000000412047_00086_21683_9293.N1	23-APR-2006 21:45:46	Bright	41.000	93	53Bet Peg	2.5200	3100.0	82	21683	No
285	GOM_NL__2PRFIN20060423_214931_000000422047_00086_21683_9294.N1	23-APR-2006 21:49:31	Twilight	42.000	90	54Alp Peg	2.4870	11000.	84	21683	No
286	GOM_NL__2PRFIN20060423_220205_000000442047_00086_21683_9295.N1	23-APR-2006 22:02:05	Dark	43.500	18	24Alp PsA	1.1660	9700.0	87	21683	No
287	GOM_NL__2PRFIN20060423_220555_000000412047_00086_21683_9296.N1	23-APR-2006 22:05:55	Dark	41.000	172	Gam Gru	3.0030	13100.	82	21683	No
288	GOM_NL__2PRFIN20060423_220743_000000422047_00086_21683_9297.N1	23-APR-2006 22:07:43	Dark	41.500	31	Alp Gru	1.7340	15200.	83	21683	No
289	GOM_NL__2PRFIN20060423_221039_000000412047_00086_21683_9298.N1	23-APR-2006 22:10:39	Dark	41.000	148	Alp Tuc	2.8780	4100.0	82	21683	No
290	GOM_NL__2PRFIN20060423_221300_000000422047_00087_21684_9276.N1	23-APR-2006 22:13:00	Dark	42.000	45	Alp Pav	1.9400	26000.	84	21684	No
291	GOM_NL__2PRFIN20060423_222002_000000402047_00087_21684_9277.N1	23-APR-2006 22:20:02	Dark	39.500	43	Alp TrA	1.9100	4250.0	79	21684	No
292	GOM_NL__2PRFIN20060423_222212_000000392047_00087_21684_9278.N1	23-APR-2006 22:22:12	Straylight	39.000	134	Bet TrA	2.8100	6600.0	78	21684	No
293	GOM_NL__2PRFIN20060423_222425_000000512047_00087_21684_9279.N1	23-APR-2006 22:24:25	Straylight	51.000	4	Alp1Cen	-0.010000	5800.0	102	21684	No
294	GOM_NL__2PRFIN20060423_222744_000000422047_00087_21684_9280.N1	23-APR-2006 22:27:44	Straylight	41.500	78	Alp Lup	2.3040	28000.	83	21684	No
295	GOM_NL__2PRFIN20060423_222919_000000422047_00087_21684_9281.N1	23-APR-2006 22:29:19	Straylight	42.000	81	Eta Cen	2.3560	28000.	84	21684	No
296	GOM_NL__2PRFIN20060423_223131_000000432047_00087_21684_9282.N1	23-APR-2006 22:31:31	Straylight	43.000	54	5The Cen	2.0550	4500.0	86	21684	No
297	GOM_NL__2PRFIN20060423_223558_000000422047_00087_21684_9283.N1	23-APR-2006 22:35:58	Twilight	41.500	169	46Gam Hya	2.9910	4700.0	83	21684	No
298	GOM_NL__2PRFIN20060423_223924_000000412047_00087_21684_9284.N1	23-APR-2006 22:39:24	Bright	40.500	15	67Alp Vir	0.97600	28000.	81	21684	No
299	GOM_NL__2PRFIN20060423_224226_000000362047_00087_21684_9285.N1	23-APR-2006 22:42:26	Bright	36.000	121	29Gam Vir	2.7400	7200.0	72	21684	No
300	GOM_NL__2PRFIN20060423_224556_000000362047_00087_21684_9286.N1	23-APR-2006 22:45:56	Bright	36.000	138	47Eps Vir	2.8280	4700.0	72	21684	No
301	GOM_NL__2PRFIN20060423_225350_000000372047_00087_21684_9287.N1	23-APR-2006 22:53:50	Bright	36.500	152	12Alp2CVn	2.8900	11000.	73	21684	No
302	GOM_NL__2PRFIN20060423_225804_000000362047_00087_21684_9288.N1	23-APR-2006 22:58:04	Bright	35.500	87	64Gam UMa	2.4330	11000.	71	21684	No
303	GOM_NL__2PRFIN20060423_230038_000000382047_00087_21684_9289.N1	23-APR-2006 23:00:38	Bright	38.000	36	50Alp UMa	1.8000	6300.0	76	21684	No
304	GOM_NL__2PRFIN20060423_230827_000000352047_00087_21684_9290.N1	23-APR-2006 23:08:27	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	21684	No
305	GOM_NL__2PRFIN20060423_231614_000000512047_00087_21684_9291.N1	23-APR-2006 23:16:14	Bright	51.000	76	27Gam Cas	2.3000	30000.	102	21684	No
306	GOM_NL__2PRFIN20060423_231731_000000352047_00087_21684_9292.N1	23-APR-2006 23:17:31	Bright	34.500	68	18Alp Cas	2.2250	4500.0	69	21684	No
307	GOM_NL__2PRFIN20060423_232622_000000412047_00087_21684_9293.N1	23-APR-2006 23:26:22	Bright	40.500	93	53Bet Peg	2.5200	3100.0	81	21684	No
308	GOM_NL__2PRFIN20060423_233007_000000422047_00087_21684_9294.N1	23-APR-2006 23:30:07	Twilight	41.500	90	54Alp Peg	2.4870	11000.	83	21684	No
309	GOM_NL__2PRFIN20060423_234241_000000412047_00087_21684_9295.N1	23-APR-2006 23:42:41	Dark	40.500	18	24Alp PsA	1.1660	9700.0	81	21684	No
310	GOM_NL__2PRFIN20060423_234631_000000402047_00087_21684_9296.N1	23-APR-2006 23:46:31	Dark	40.000	172	Gam Gru	3.0030	13100.	80	21684	No
311	GOM_NL__2PRFIN20060423_234819_000000412047_00087_21684_9297.N1	23-APR-2006 23:48:19	Dark	41.000	31	Alp Gru	1.7340	15200.	82	21684	No
312	GOM_NL__2PRFIN20060423_235115_000000422047_00087_21684_9298.N1	23-APR-2006 23:51:15	Dark	42.000	148	Alp Tuc	2.8780	4100.0	84	21684	No
313	GOM_NL__2PRFIN20060423_235336_000000402047_00088_21685_9276.N1	23-APR-2006 23:53:36	Dark	40.000	45	Alp Pav	1.9400	26000.	80	21685	No

3. Quality information per product

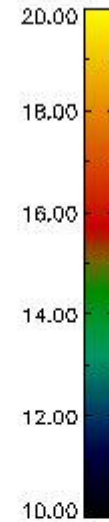
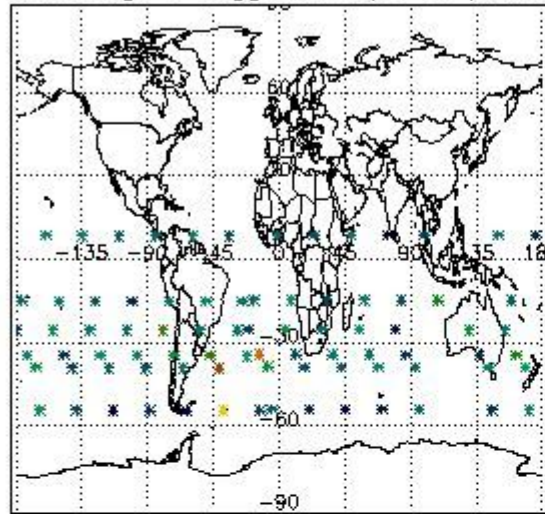
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

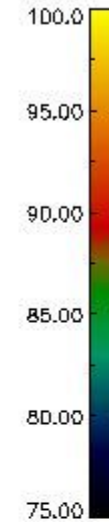
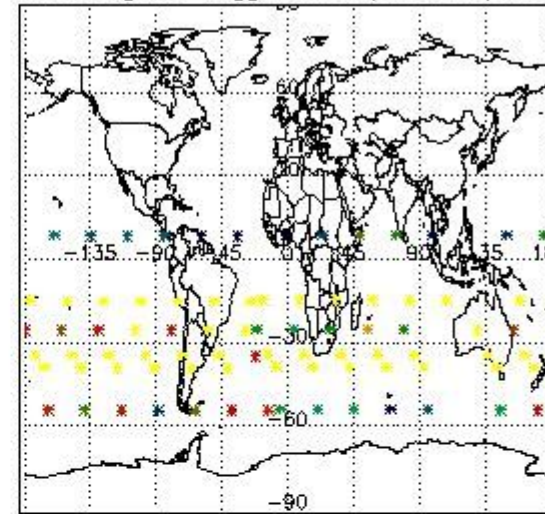


3.2 Plot quality information per product (world map)

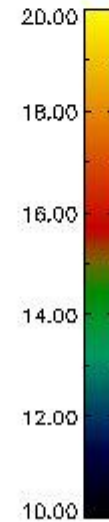
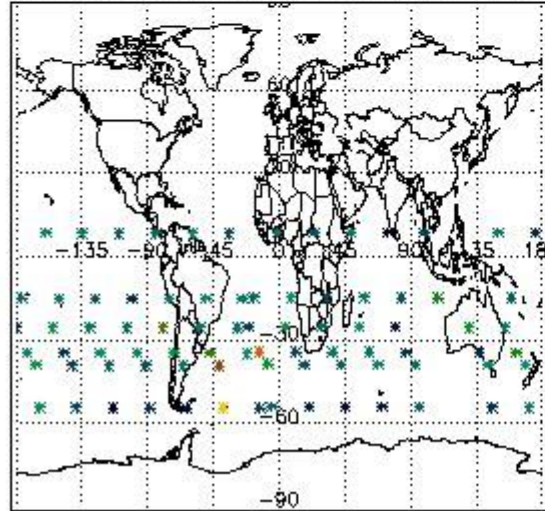
Percentage of flagged data per O3 profile



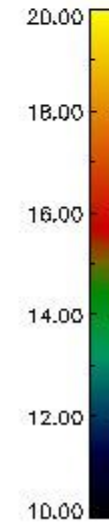
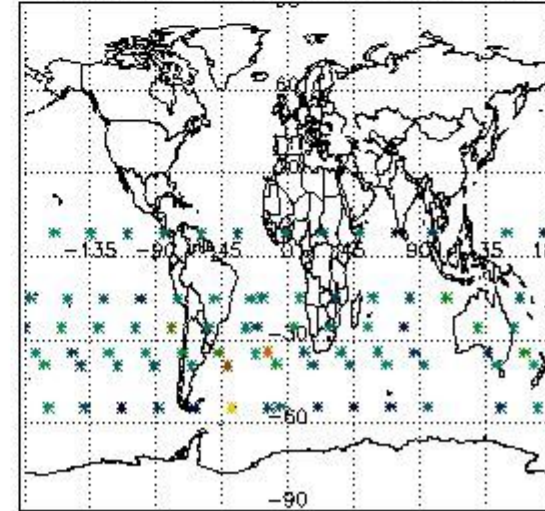
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

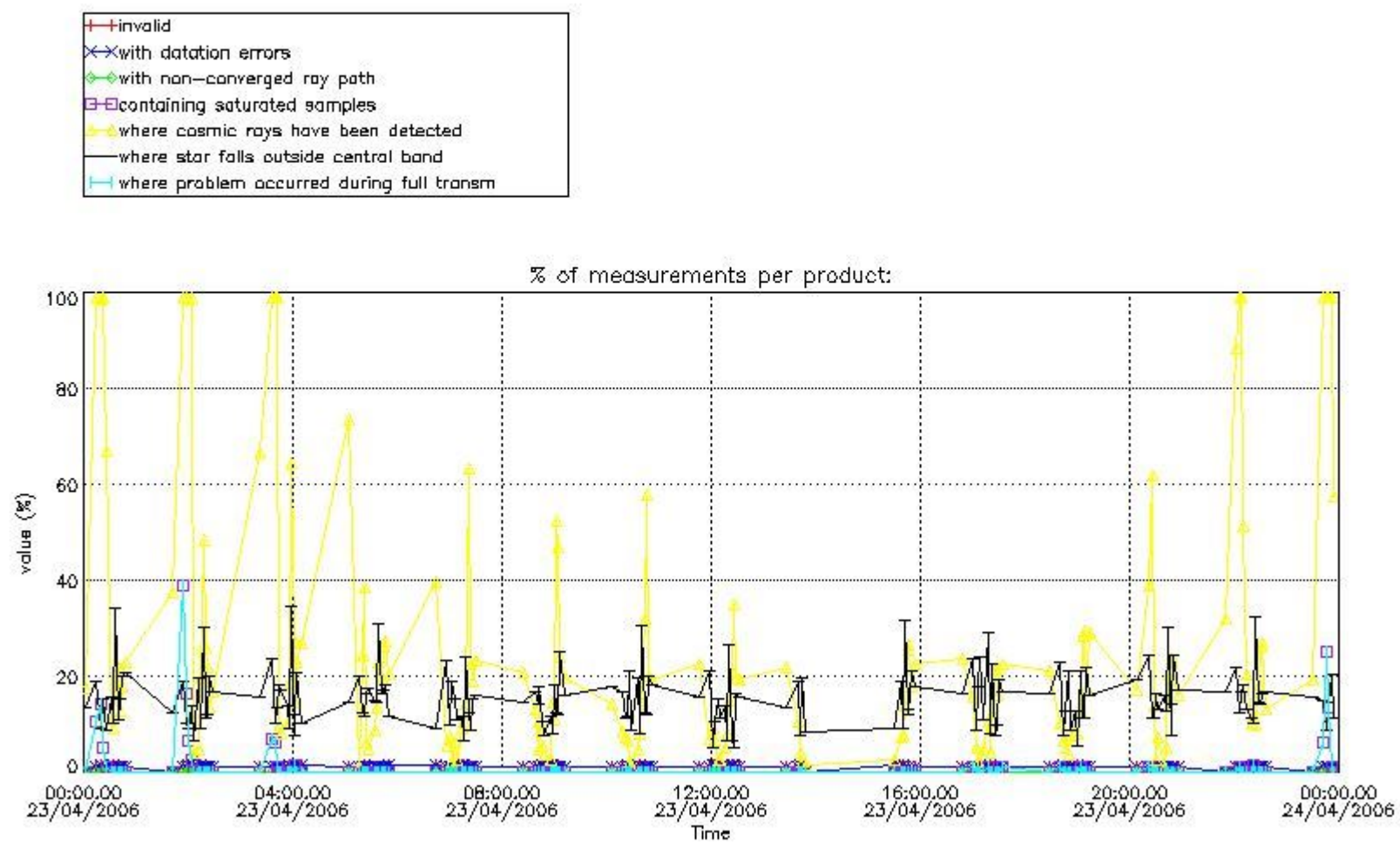


4. Level 1 quality information per product

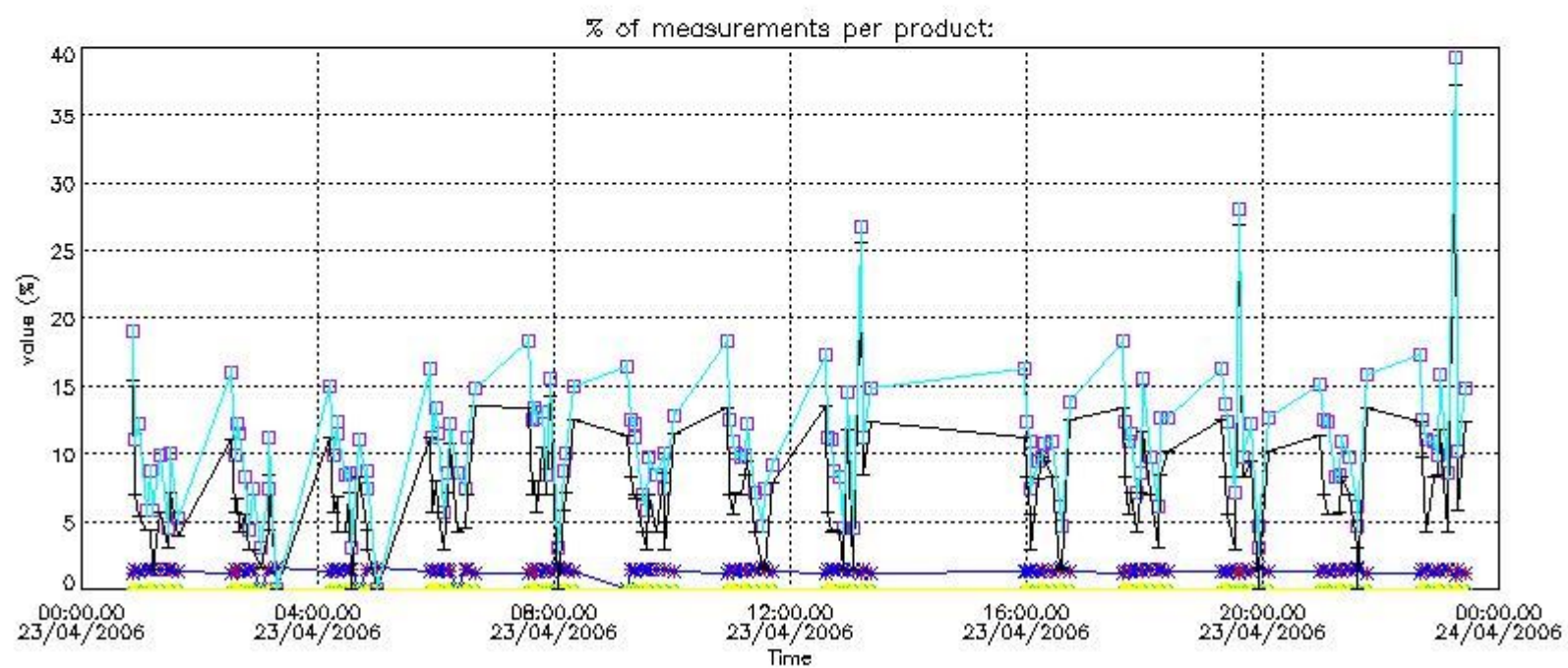
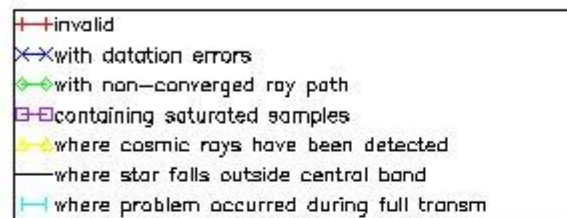
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



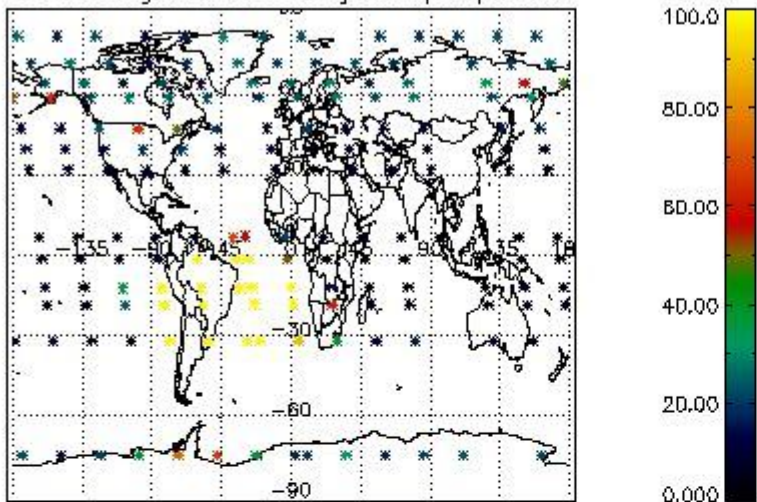
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



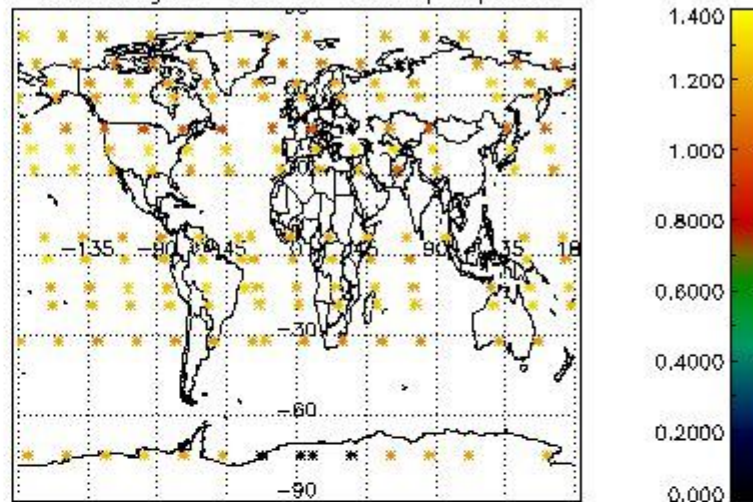
4.2 Plot quality information per product coming from level 1b processing (world map)

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

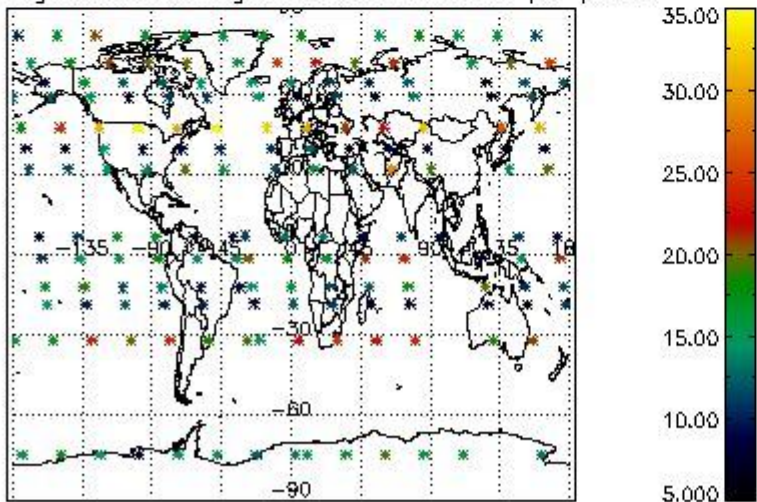
Percentage of cosmic ray hits per profile



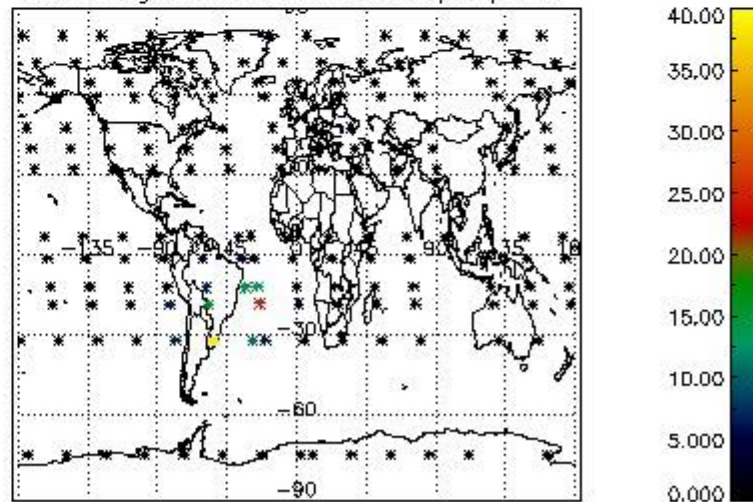
Percentage of datation errors per profile



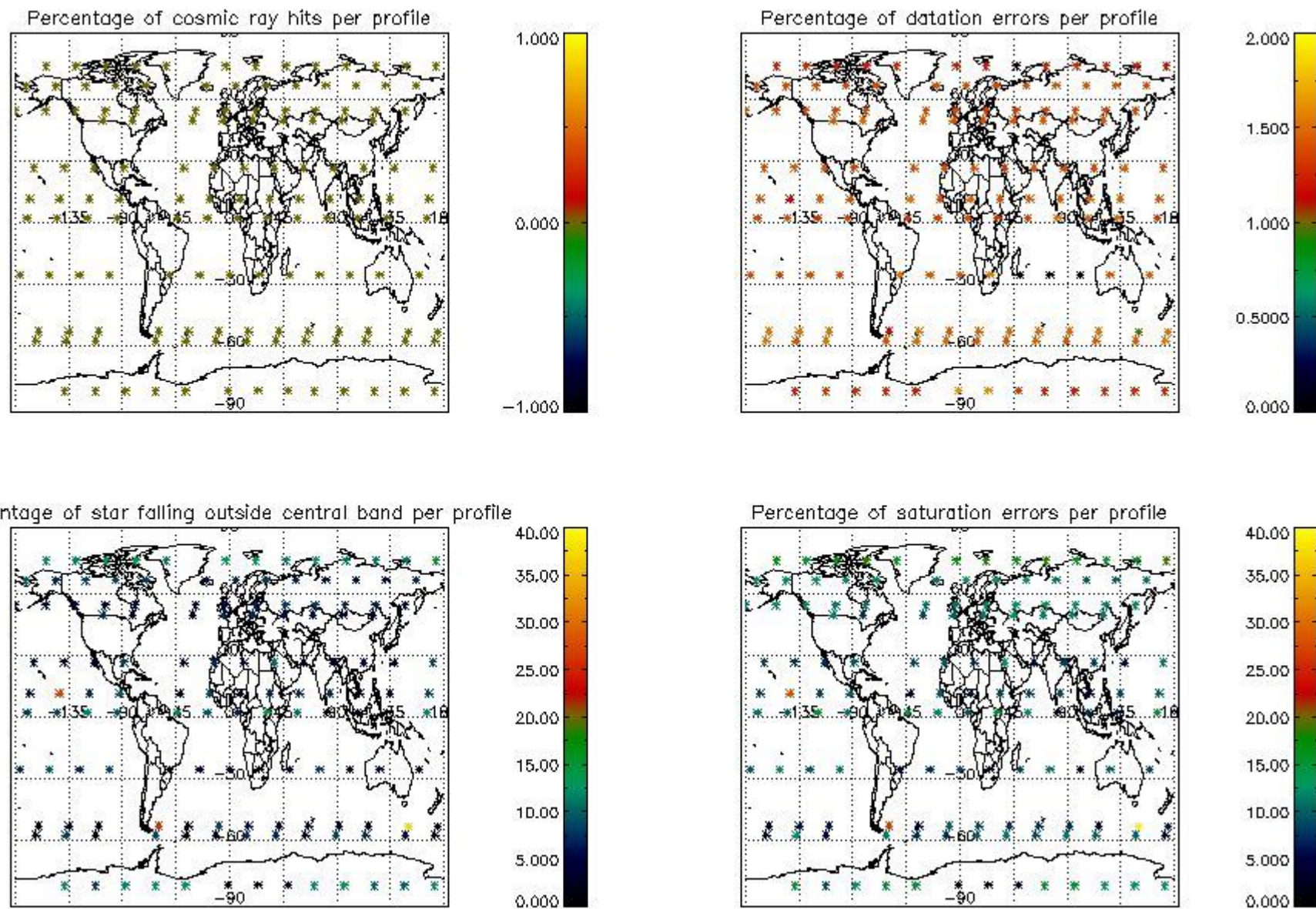
Percentage of star falling outside central band per profile



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

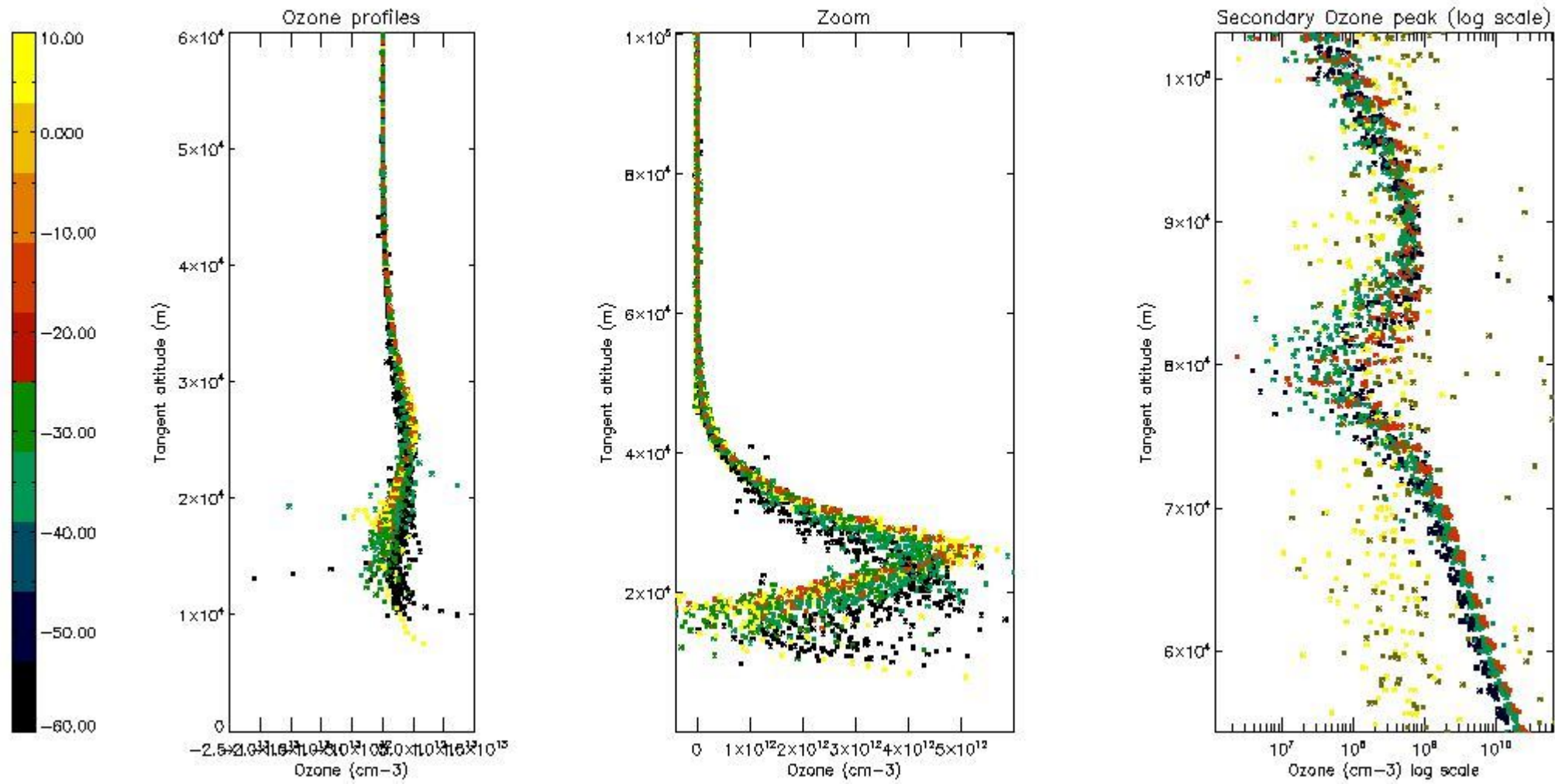
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	28
STD < 20	15

STD < 10	11
STD < 5	7

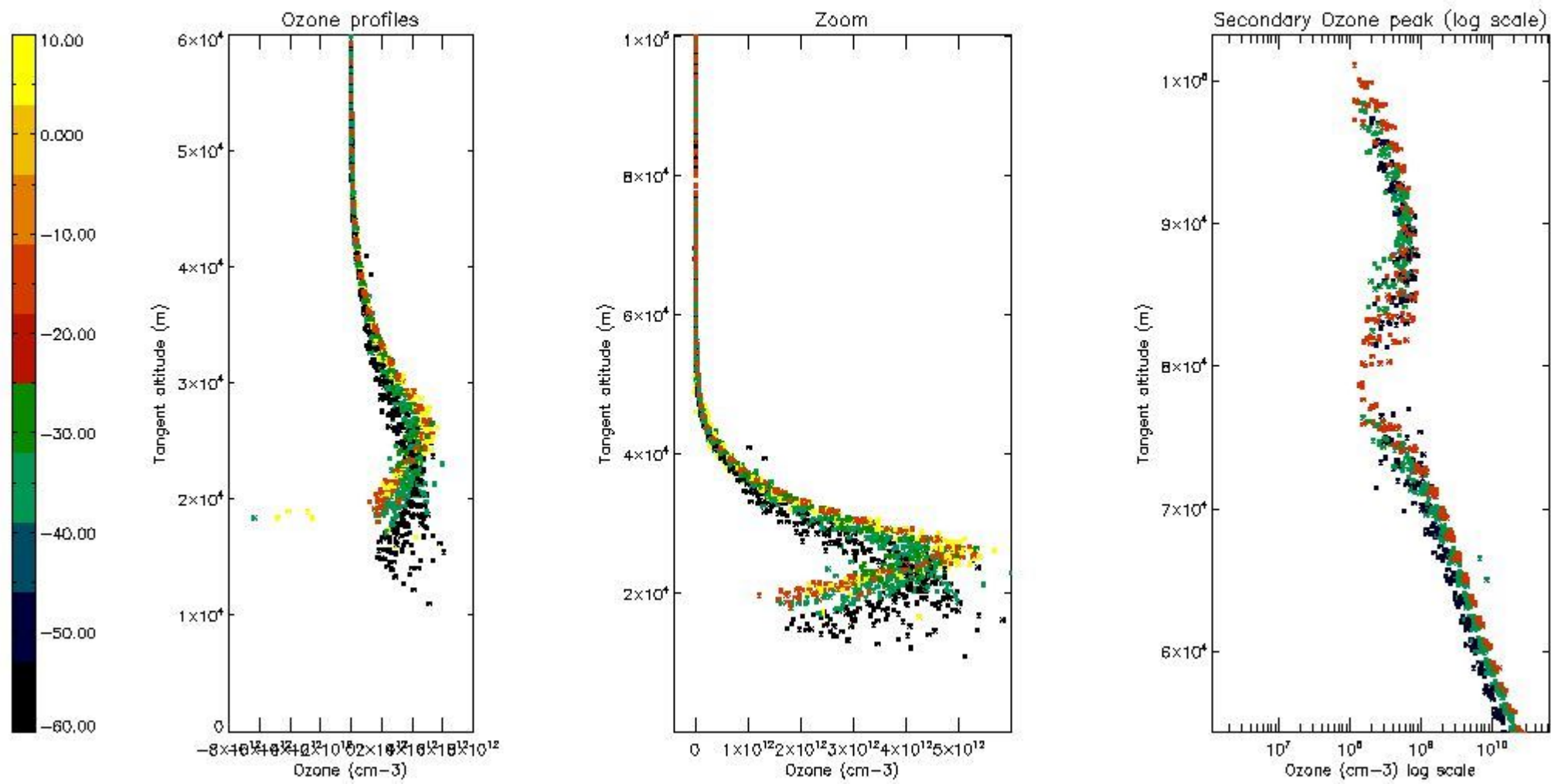
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



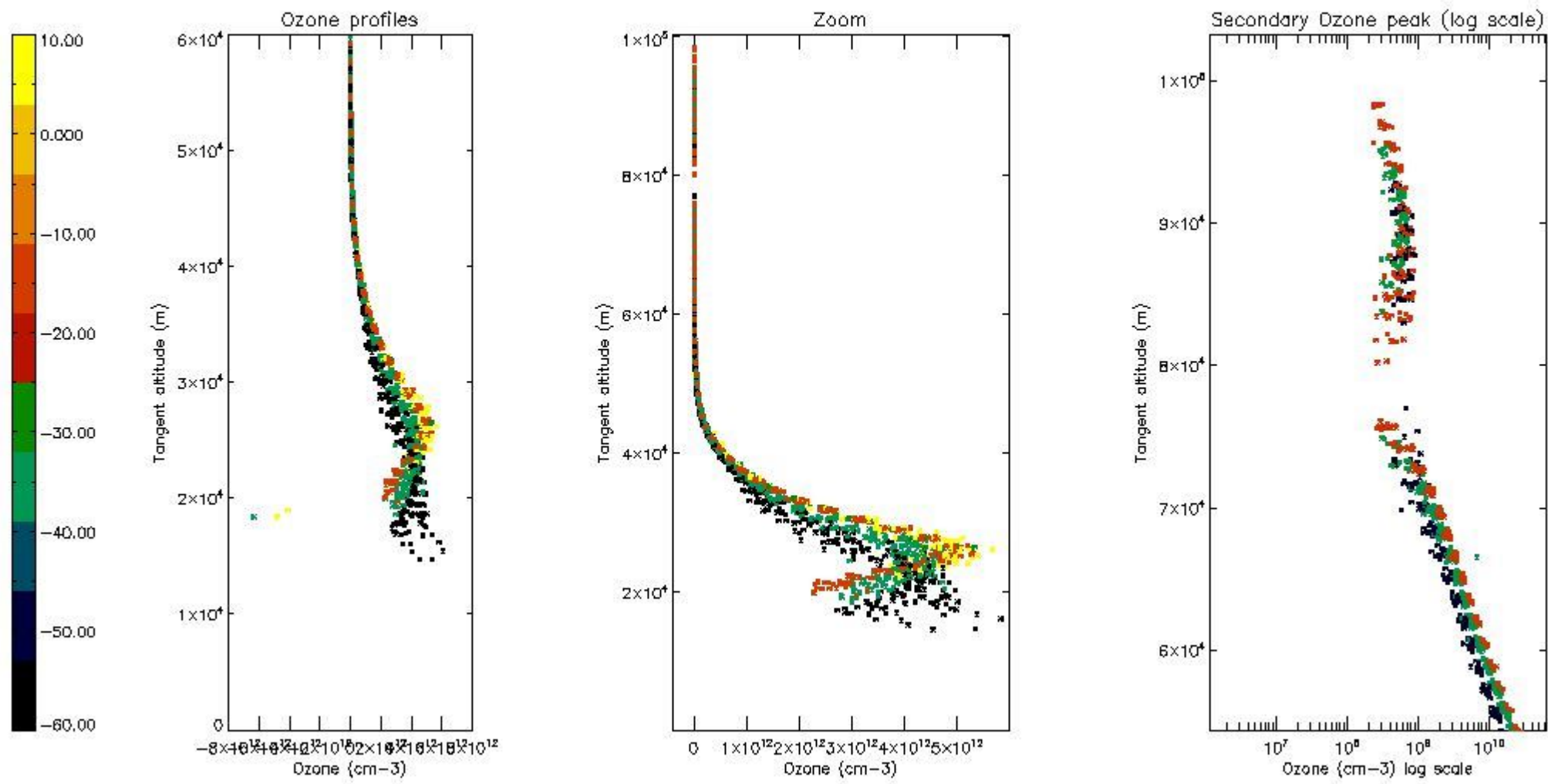
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



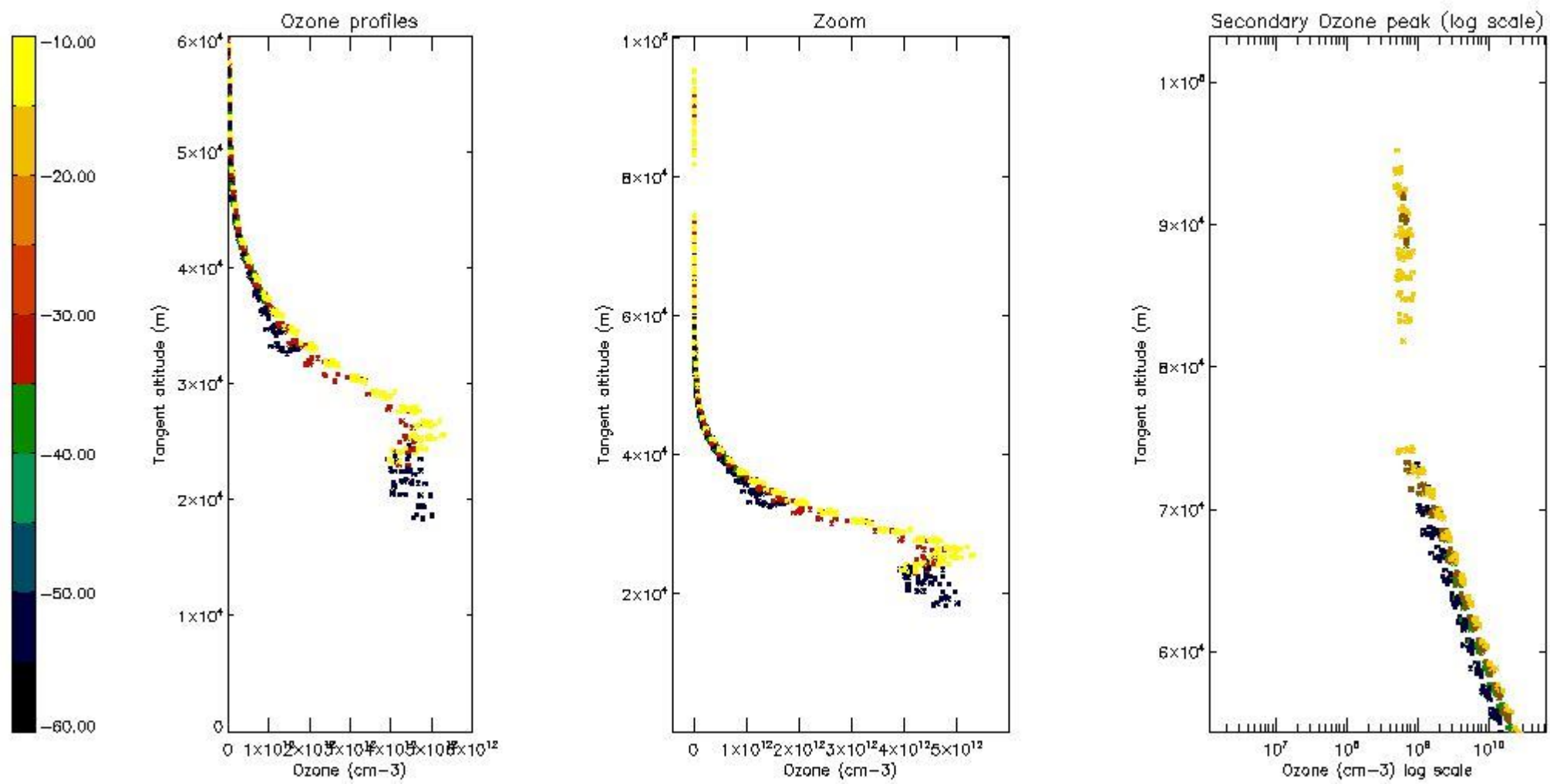
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



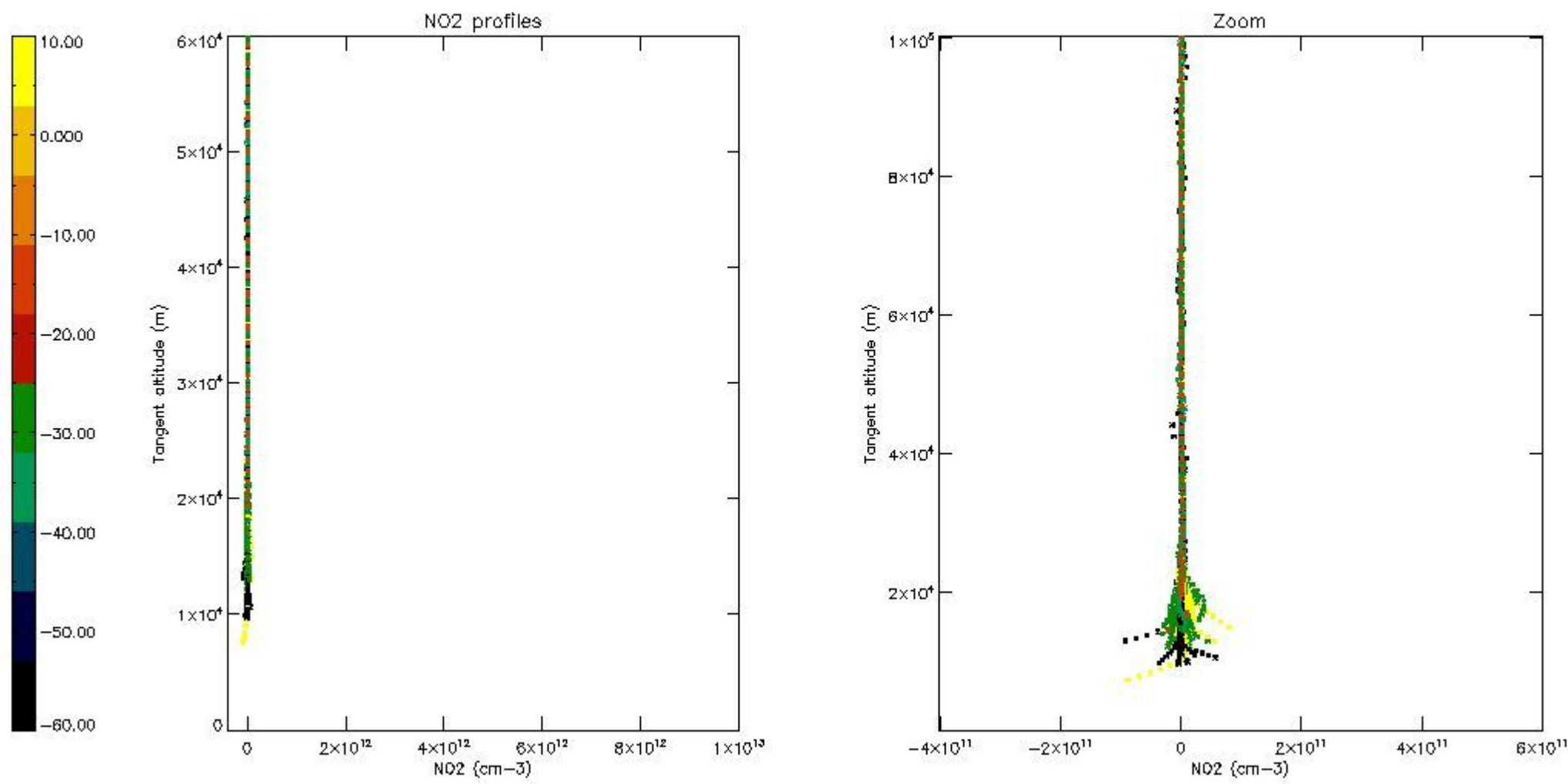
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



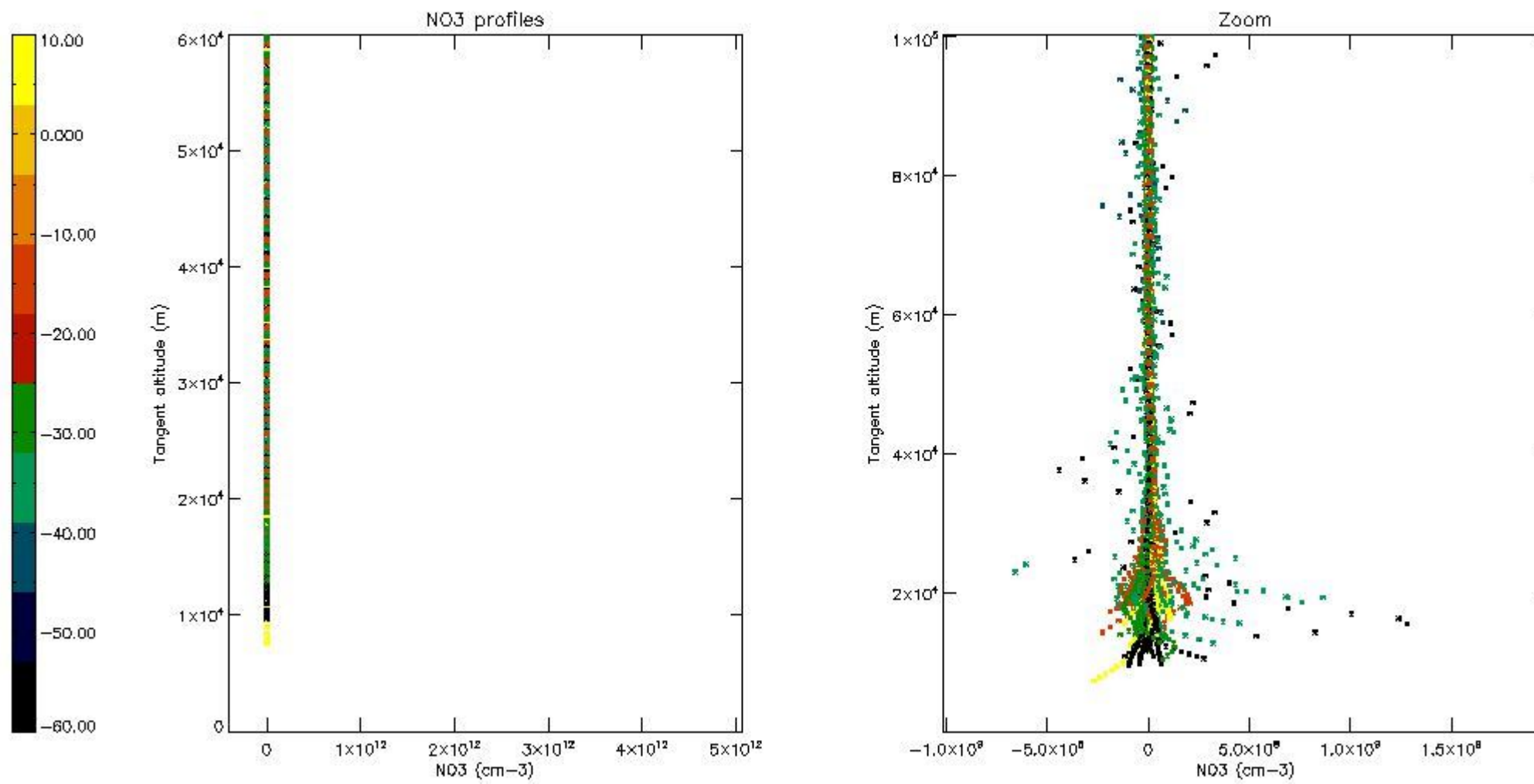
5.6 Plot NO₂ profiles for all STD (dark without errors)

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	23-APR-2006 00:01:41
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	23-APR-2006 00:01:41
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	23-APR-2006 00:01:41

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

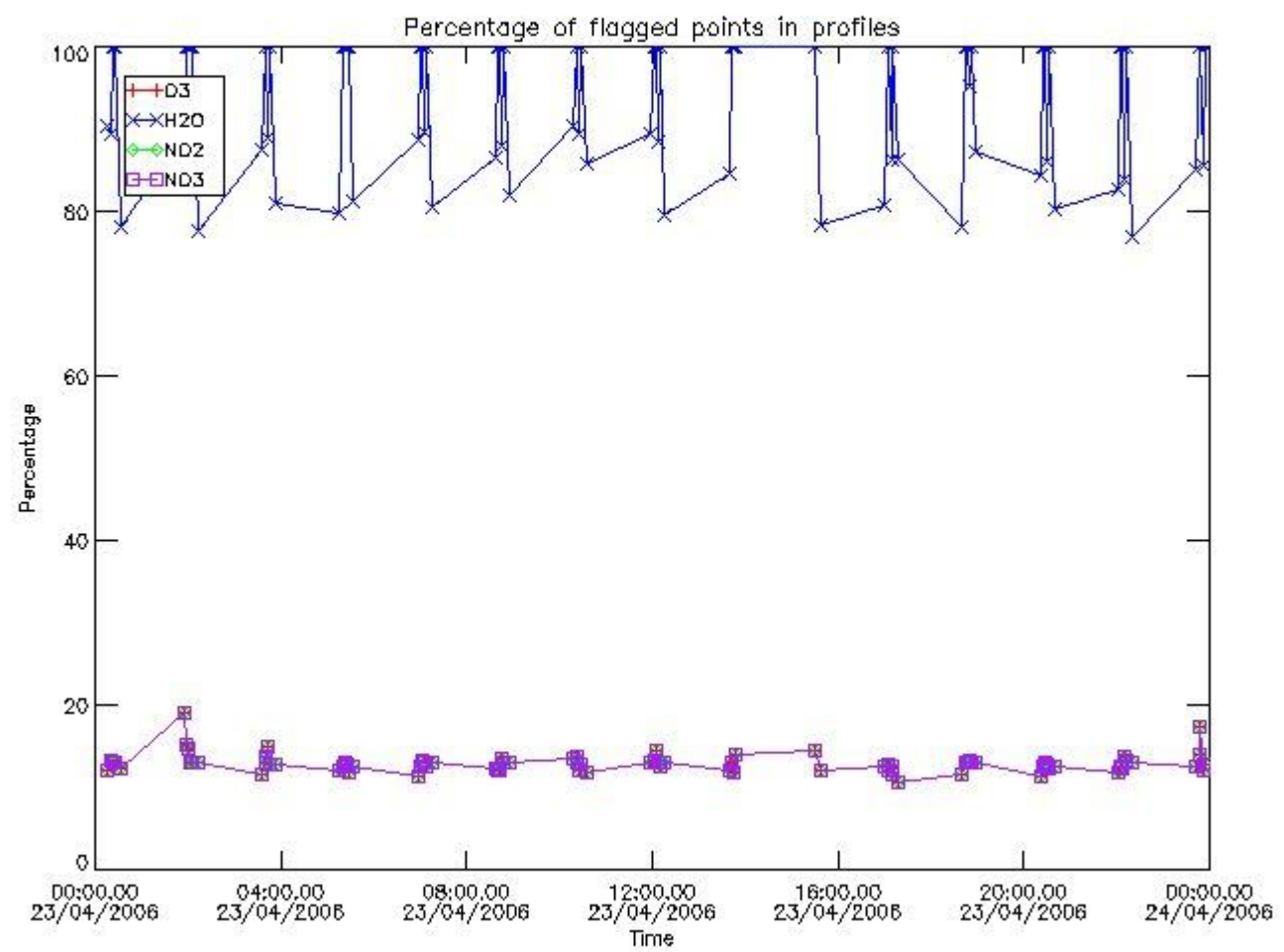
220	GOM_NL_2PRFIN20060423_171110_000000412047_00084_21681_9276.N1	23-APR-2006 17:11:10	Dark	41.000	45	Alp Pav	1.9400	26000.	82	21681	No
221	GOM_NL_2PRFIN20060423_171813_000000482047_00084_21681_9277.N1	23-APR-2006 17:18:13	Dark	48.000	43	Alp TrA	1.9100	4250.0	96	21681	No
222	GOM_NL_2PRFIN20060423_172023_000000382047_00084_21681_9278.N1	23-APR-2006 17:20:23	Straylight	38.000	134	Bet TrA	2.8100	6600.0	76	21681	No
223	GOM_NL_2PRFIN20060423_172236_000000452047_00084_21681_9279.N1	23-APR-2006 17:22:36	Straylight	44.500	4	Alp1Cen	-0.010000	5800.0	89	21681	No
224	GOM_NL_2PRFIN20060423_172555_000000402047_00084_21681_9280.N1	23-APR-2006 17:25:55	Straylight	39.500	78	Alp Lup	2.3040	28000.	79	21681	No
225	GOM_NL_2PRFIN20060423_172730_000000412047_00084_21681_9281.N1	23-APR-2006 17:27:30	Straylight	40.500	81	Eta Cen	2.3560	28000.	81	21681	No
226	GOM_NL_2PRFIN20060423_172942_000000452047_00084_21681_9282.N1	23-APR-2006 17:29:42	Straylight	44.500	54	5The Cen	2.0550	4500.0	89	21681	No
227	GOM_NL_2PRFIN20060423_173410_000000422047_00084_21681_9283.N1	23-APR-2006 17:34:10	Twi_and_stray	42.000	169	46Gam Hya	2.9910	4700.0	84	21681	No
228	GOM_NL_2PRFIN20060423_173736_000000412047_00084_21681_9284.N1	23-APR-2006 17:37:36	Bright	41.000	15	67Alp Vir	0.97600	28000.	82	21681	No
229	GOM_NL_2PRFIN20060423_174038_000000372047_00084_21681_9285.N1	23-APR-2006 17:40:38	Bright	36.500	121	29Gam Vir	2.7400	7200.0	73	21681	No
230	GOM_NL_2PRFIN20060423_174409_000000372047_00084_21681_9286.N1	23-APR-2006 17:44:09	Bright	36.500	138	47Eps Vir	2.8280	4700.0	73	21681	No
231	GOM_NL_2PRFIN20060423_174532_000000352047_00084_21681_9287.N1	23-APR-2006 17:45:32	Bright	35.000	62	94Bet Leo	2.1360	9700.0	70	21681	No
232	GOM_NL_2PRFIN20060423_175203_000000352047_00084_21681_9288.N1	23-APR-2006 17:52:03	Bright	35.000	152	12Alp2CVn	2.8900	11000.	70	21681	No
233	GOM_NL_2PRFIN20060423_175617_000000352047_00084_21681_9289.N1	23-APR-2006 17:56:17	Bright	35.000	87	64Gam UMa	2.4330	11000.	70	21681	No
234	GOM_NL_2PRFIN20060423_175850_000000392047_00084_21681_9290.N1	23-APR-2006 17:58:50	Bright	38.500	36	50Alp UMa	1.8000	6300.0	77	21681	No
235	GOM_NL_2PRFIN20060423_180639_000000362047_00084_21681_9291.N1	23-APR-2006 18:06:39	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	21681	No
236	GOM_NL_2PRFIN20060423_181425_000000332047_00084_21681_9292.N1	23-APR-2006 18:14:25	Bright	33.000	76	27Gam Cas	2.3000	30000.	66	21681	No
237	GOM_NL_2PRFIN20060423_181543_000000362047_00084_21681_9293.N1	23-APR-2006 18:15:43	Bright	35.500	68	18Alp Cas	2.2250	4500.0	71	21681	No
238	GOM_NL_2PRFIN20060423_182434_000000402047_00084_21681_9294.N1	23-APR-2006 18:24:34	Bright	39.500	93	53Bet Peg	2.5200	3100.0	79	21681	No
239	GOM_NL_2PRFIN20060423_182819_000000432047_00084_21681_9295.N1	23-APR-2006 18:28:19	Twi_and_stray	42.500	90	54Alp Peg	2.4870	11000.	85	21681	No
240	GOM_NL_2PRFIN20060423_184053_000000442047_00084_21681_9296.N1	23-APR-2006 18:40:53	Dark	44.000	18	24Alp PsA	1.1660	9700.0	88	21681	No
241	GOM_NL_2PRFIN20060423_184442_000000392047_00084_21681_9297.N1	23-APR-2006 18:44:42	Dark	39.000	172	Gam Gru	3.0030	13100.	78	21681	No
242	GOM_NL_2PRFIN20060423_184630_000000402047_00084_21681_9298.N1	23-APR-2006 18:46:30	Dark	39.500	31	Alp Gru	1.7340	15200.	79	21681	No
243	GOM_NL_2PRFIN20060423_184927_000000432047_00084_21681_9299.N1	23-APR-2006 18:49:27	Dark	42.500	148	Alp Tuc	2.8780	4100.0	85	21681	No
244	GOM_NL_2PRFIN20060423_185146_000000402047_00085_21682_9276.N1	23-APR-2006 18:51:46	Dark	39.500	45	Alp Pav	1.9400	26000.	79	21682	No
245	GOM_NL_2PRFIN20060423_185849_000000402047_00085_21682_9277.N1	23-APR-2006 18:58:49	Dark	39.500	43	Alp TrA	1.9100	4250.0	79	21682	No
246	GOM_NL_2PRFIN20060423_190059_000000372047_00085_21682_9278.N1	23-APR-2006 19:00:59	Straylight	37.000	134	Bet TrA	2.8100	6600.0	74	21682	No
247	GOM_NL_2PRFIN20060423_190313_000000432047_00085_21682_9279.N1	23-APR-2006 19:03:13	Straylight	43.000	4	Alp1Cen	-0.010000	5800.0	86	21682	No
248	GOM_NL_2PRFIN20060423_190632_000000412047_00085_21682_9280.N1	23-APR-2006 19:06:32	Straylight	40.500	78	Alp Lup	2.3040	28000.	81	21682	No
249	GOM_NL_2PRFIN20060423_190806_000000412047_00085_21682_9281.N1	23-APR-2006 19:08:06	Straylight	40.500	81	Eta Cen	2.3560	28000.	81	21682	No
250	GOM_NL_2PRFIN20060423_191019_000000462047_00085_21682_9282.N1	23-APR-2006 19:10:19	Straylight	46.000	54	5The Cen	2.0550	4500.0	92	21682	No
251	GOM_NL_2PRFIN20060423_191446_000000412047_00085_21682_9283.N1	23-APR-2006 19:14:46	Twi_and_stray	41.000	169	46Gam Hya	2.9910	4700.0	82	21682	No
252	GOM_NL_2PRFIN20060423_191812_000000402047_00085_21682_9284.N1	23-APR-2006 19:18:12	Bright	40.000	15	67Alp Vir	0.97600	28000.	80	21682	No
253	GOM_NL_2PRFIN20060423_192114_000000372047_00085_21682_9285.N1	23-APR-2006 19:21:14	Bright	36.500	121	29Gam Vir	2.7400	7200.0	73	21682	No
254	GOM_NL_2PRFIN20060423_192445_000000372047_00085_21682_9286.N1	23-APR-2006 19:24:45	Bright	36.500	138	47Eps Vir	2.8280	4700.0	73	21682	No
255	GOM_NL_2PRFIN20060423_193238_000000352047_00085_21682_9287.N1	23-APR-2006 19:32:38	Bright	35.000	152	12Alp2CVn	2.8900	11000.	70	21682	No
256	GOM_NL_2PRFIN20060423_193653_000000452047_00085_21682_9288.N1	23-APR-2006 19:36:53	Bright	44.500	87	64Gam UMa	2.4330	11000.	89	21682	No
257	GOM_NL_2PRFIN20060423_193926_000000362047_00085_21682_9289.N1	23-APR-2006 19:39:26	Bright	36.000	36	50Alp UMa	1.8000	6300.0	72	21682	No
258	GOM_NL_2PRFIN20060423_194715_000000372047_00085_21682_9290.N1	23-APR-2006 19:47:15	Bright	37.000	49	1Alp UMi	1.9900	6300.0	74	21682	No
259	GOM_NL_2PRFIN20060423_195501_000000332047_00085_21682_9291.N1	23-APR-2006 19:55:01	Bright	32.500	76	27Gam Cas	2.3000	30000.	65	21682	No
260	GOM_NL_2PRFIN20060423_195619_000000332047_00085_21682_9292.N1	23-APR-2006 19:56:19	Bright	32.500	68	18Alp Cas	2.2250	4500.0	65	21682	No
261	GOM_NL_2PRFIN20060423_200510_000000402047_00085_21682_4592.N1	23-APR-2006 20:05:10	Bright	39.500	93	53Bet Peg	2.5200	3100.0	79	21682	No
262	GOM_NL_2PRFIN20060423_200855_000000442047_00085_21682_9294.N1	23-APR-2006 20:08:55	Twi_and_stray	44.000	90	54Alp Peg	2.4870	11000.	88	21682	No
263	GOM_NL_2PRFIN20060423_202129_000000452047_00085_21682_9295.N1	23-APR-2006 20:21:29	Dark	45.000	18	24Alp PsA	1.1660	9700.0	90	21682	No
264	GOM_NL_2PRFIN20060423_202518_000000412047_00085_21682_9296.N1	23-APR-2006 20:25:18	Dark	40.500	172	Gam Gru	3.0030	13100.	81	21682	No
265	GOM_NL_2PRFIN20060423_202707_000000402047_00085_21682_9297.N1	23-APR-2006 20:27:07	Dark	39.500	31	Alp Gru	1.7340	15200.	79	21682	No
266	GOM_NL_2PRFIN20060423_203003_000000402047_00085_21682_9298.N1	23-APR-2006 20:30:03	Dark	40.000	148	Alp Tuc	2.8780	4100.0	80	21682	No
267	GOM_NL_2PRFIN20060423_203223_000000422047_00086_21683_9276.N1	23-APR-2006 20:32:23	Dark	41.500	45	Alp Pav	1.9400	26000.	83	21683	No
268	GOM_NL_2PRFIN20060423_203925_000000412047_00086_21683_9277.N1	23-APR-2006 20:39:25	Dark	41.000	43	Alp TrA	1.9100	4250.0	82	21683	No
269	GOM_NL_2PRFIN20060423_204135_000000402047_00086_21683_9278.N1	23-APR-2006 20:41:35	Straylight	39.500	134	Bet TrA	2.8100	6600.0	79	21683	No
270	GOM_NL_2PRFIN20060423_204349_000000502047_00086_21683_9279.N1	23-APR-2006 20:43:49	Straylight	49.500	4	Alp1Cen	-0.010000	5800.0	99	21683	No
271	GOM_NL_2PRFIN20060423_204708_000000402047_00086_21683_9280.N1	23-APR-2006 20:47:08	Straylight	39.500	78	Alp Lup	2.3040	28000.	79	21683	No
272	GOM_NL_2PRFIN20060423_204842_000000432047_00086_21683_9281.N1	23-APR-2006 20:48:42	Straylight	42.500	81	Eta Cen	2.3560	28000.	85	21683	No
273	GOM_NL_2PRFIN20060423_205055_000000472047_00086_21683_9282.N1	23-APR-2006 20:50:55	Straylight	47.000	54	5The Cen	2.0550	4500.0	94	21683	No
274	GOM_NL_2PRFIN20060423_205522_000000412047_00086_21683_9283.N1	23-APR-2006 20:55:22	Twi_and_stray	41.000	169	46Gam Hya	2.9910	4700.0	82	21683	No
275	GOM_NL_2PRFIN20060423_205848_000000402047_00086_21683_9284.N1	23-APR-2006 20:58:48	Bright	39.500	15	67Alp Vir	0.97600	28000.	79	21683	No
276	GOM_NL_2PRFIN20060423_210150_000000362047_00086_21683_9285.N1	23-APR-2006 21:01:50	Bright	36.000	121	29Gam Vir	2.7400	7200.0	72	21683	No
277	GOM_NL_2PRFIN20060423_210520_000000372047_00086_21683_9286.N1	23-APR-2006 21:05:20	Bright	36.500	138	47Eps Vir	2.8280	4700.0	73	21683	No
278	GOM_NL_2PRFIN20060423_211314_000000362047_00086_21683_9287.N1	23-APR-2006 21:13:14	Bright	36.000	152	12Alp2CVn	2.8900	11000.	72	21683	No

279	GOM_NL__2PRFIN20060423_211729_000000362047_00086_21683_9288.N1	23-APR-2006 21:17:29	Bright	35.500	87	64Gam UMa	2.4330	11000.	71	21683	No
280	GOM_NL__2PRFIN20060423_212002_000000372047_00086_21683_9289.N1	23-APR-2006 21:20:02	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	21683	No
281	GOM_NL__2PRFIN20060423_212751_000000362047_00086_21683_9290.N1	23-APR-2006 21:27:51	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	21683	No
282	GOM_NL__2PRFIN20060423_213538_000000332047_00086_21683_9291.N1	23-APR-2006 21:35:38	Bright	33.000	76	27Gam Cas	2.3000	30000.	66	21683	No
283	GOM_NL__2PRFIN20060423_213655_000000332047_00086_21683_9292.N1	23-APR-2006 21:36:55	Bright	32.500	68	18Alp Cas	2.2250	4500.0	65	21683	No
284	GOM_NL__2PRFIN20060423_214546_000000412047_00086_21683_9293.N1	23-APR-2006 21:45:46	Bright	41.000	93	53Bet Peg	2.5200	3100.0	82	21683	No
285	GOM_NL__2PRFIN20060423_214931_000000422047_00086_21683_9294.N1	23-APR-2006 21:49:31	Twilight_and_stray	42.000	90	54Alp Peg	2.4870	11000.	84	21683	No
286	GOM_NL__2PRFIN20060423_220205_000000442047_00086_21683_9295.N1	23-APR-2006 22:02:05	Dark	43.500	18	24Alp PsA	1.1660	9700.0	87	21683	No
287	GOM_NL__2PRFIN20060423_220555_000000412047_00086_21683_9296.N1	23-APR-2006 22:05:55	Dark	41.000	172	Gam Gru	3.0030	13100.	82	21683	No
288	GOM_NL__2PRFIN20060423_220743_000000422047_00086_21683_9297.N1	23-APR-2006 22:07:43	Dark	41.500	31	Alp Gru	1.7340	15200.	83	21683	No
289	GOM_NL__2PRFIN20060423_221039_000000412047_00086_21683_9298.N1	23-APR-2006 22:10:39	Dark	41.000	148	Alp Tuc	2.8780	4100.0	82	21683	No
290	GOM_NL__2PRFIN20060423_221300_000000422047_00087_21684_9276.N1	23-APR-2006 22:13:00	Dark	42.000	45	Alp Pav	1.9400	26000.	84	21684	No
291	GOM_NL__2PRFIN20060423_222002_000000402047_00087_21684_9277.N1	23-APR-2006 22:20:02	Dark	39.500	43	Alp TrA	1.9100	4250.0	79	21684	No
292	GOM_NL__2PRFIN20060423_222212_000000392047_00087_21684_9278.N1	23-APR-2006 22:22:12	Straylight	39.000	134	Bet TrA	2.8100	6600.0	78	21684	No
293	GOM_NL__2PRFIN20060423_222425_000000512047_00087_21684_9279.N1	23-APR-2006 22:24:25	Straylight	51.000	4	Alp1Cen	-0.010000	5800.0	102	21684	No
294	GOM_NL__2PRFIN20060423_222744_000000422047_00087_21684_9280.N1	23-APR-2006 22:27:44	Straylight	41.500	78	Alp Lup	2.3040	28000.	83	21684	No
295	GOM_NL__2PRFIN20060423_222919_000000422047_00087_21684_9281.N1	23-APR-2006 22:29:19	Straylight	42.000	81	Eta Cen	2.3560	28000.	84	21684	No
296	GOM_NL__2PRFIN20060423_223131_000000432047_00087_21684_9282.N1	23-APR-2006 22:31:31	Straylight	43.000	54	5The Cen	2.0550	4500.0	86	21684	No
297	GOM_NL__2PRFIN20060423_223558_000000422047_00087_21684_9283.N1	23-APR-2006 22:35:58	Twilight_and_stray	41.500	169	46Gam Hya	2.9910	4700.0	83	21684	No
298	GOM_NL__2PRFIN20060423_223924_000000412047_00087_21684_9284.N1	23-APR-2006 22:39:24	Bright	40.500	15	67Alp Vir	0.97600	28000.	81	21684	No
299	GOM_NL__2PRFIN20060423_224226_000000362047_00087_21684_9285.N1	23-APR-2006 22:42:26	Bright	36.000	121	29Gam Vir	2.7400	7200.0	72	21684	No
300	GOM_NL__2PRFIN20060423_224556_000000362047_00087_21684_9286.N1	23-APR-2006 22:45:56	Bright	36.000	138	47Eps Vir	2.8280	4700.0	72	21684	No
301	GOM_NL__2PRFIN20060423_225350_000000372047_00087_21684_9287.N1	23-APR-2006 22:53:50	Bright	36.500	152	12Alp2CVn	2.8900	11000.	73	21684	No
302	GOM_NL__2PRFIN20060423_225804_000000362047_00087_21684_9288.N1	23-APR-2006 22:58:04	Bright	35.500	87	64Gam UMa	2.4330	11000.	71	21684	No
303	GOM_NL__2PRFIN20060423_230038_000000382047_00087_21684_9289.N1	23-APR-2006 23:00:38	Bright	38.000	36	50Alp UMa	1.8000	6300.0	76	21684	No
304	GOM_NL__2PRFIN20060423_230827_000000352047_00087_21684_9290.N1	23-APR-2006 23:08:27	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	21684	No
305	GOM_NL__2PRFIN20060423_231614_000000512047_00087_21684_9291.N1	23-APR-2006 23:16:14	Bright	51.000	76	27Gam Cas	2.3000	30000.	102	21684	No
306	GOM_NL__2PRFIN20060423_231731_000000352047_00087_21684_9292.N1	23-APR-2006 23:17:31	Bright	34.500	68	18Alp Cas	2.2250	4500.0	69	21684	No
307	GOM_NL__2PRFIN20060423_232622_000000412047_00087_21684_9293.N1	23-APR-2006 23:26:22	Bright	40.500	93	53Bet Peg	2.5200	3100.0	81	21684	No
308	GOM_NL__2PRFIN20060423_233007_000000422047_00087_21684_9294.N1	23-APR-2006 23:30:07	Twilight_and_stray	41.500	90	54Alp Peg	2.4870	11000.	83	21684	No
309	GOM_NL__2PRFIN20060423_234241_000000412047_00087_21684_9295.N1	23-APR-2006 23:42:41	Dark	40.500	18	24Alp PsA	1.1660	9700.0	81	21684	No
310	GOM_NL__2PRFIN20060423_234631_000000402047_00087_21684_9296.N1	23-APR-2006 23:46:31	Dark	40.000	172	Gam Gru	3.0030	13100.	80	21684	No
311	GOM_NL__2PRFIN20060423_234819_000000412047_00087_21684_9297.N1	23-APR-2006 23:48:19	Dark	41.000	31	Alp Gru	1.7340	15200.	82	21684	No
312	GOM_NL__2PRFIN20060423_235115_000000422047_00087_21684_9298.N1	23-APR-2006 23:51:15	Dark	42.000	148	Alp Tuc	2.8780	4100.0	84	21684	No
313	GOM_NL__2PRFIN20060423_235336_000000402047_00088_21685_9276.N1	23-APR-2006 23:53:36	Dark	40.000	45	Alp Pav	1.9400	26000.	80	21685	No

3. Quality information per product

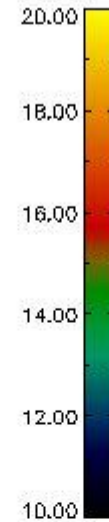
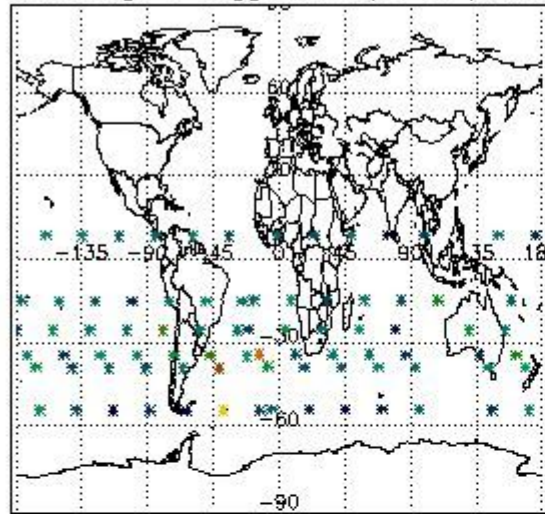
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

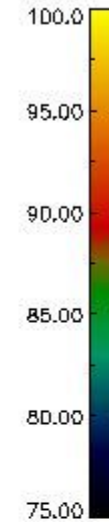
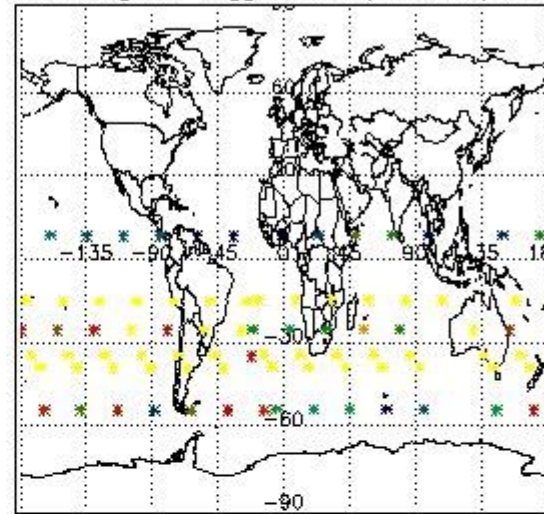


3.2 Plot quality information per product (world map)

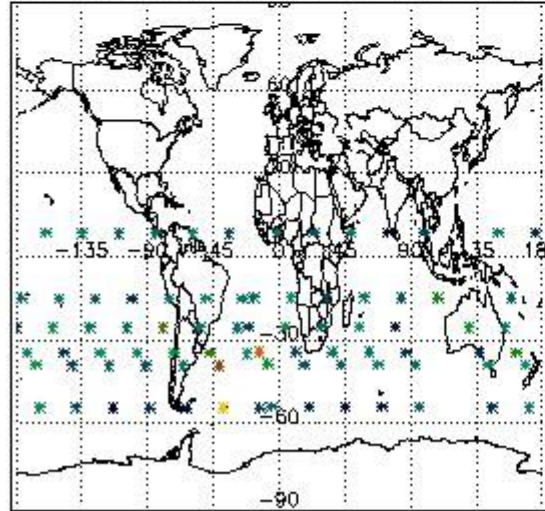
Percentage of flagged data per O3 profile



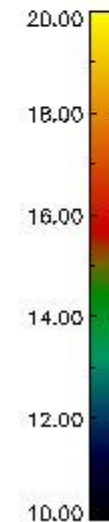
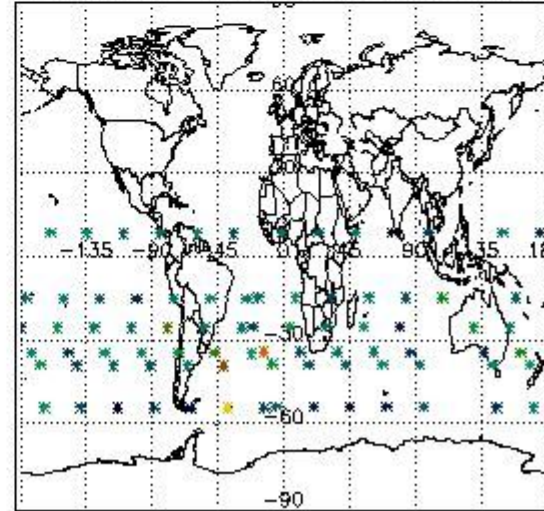
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

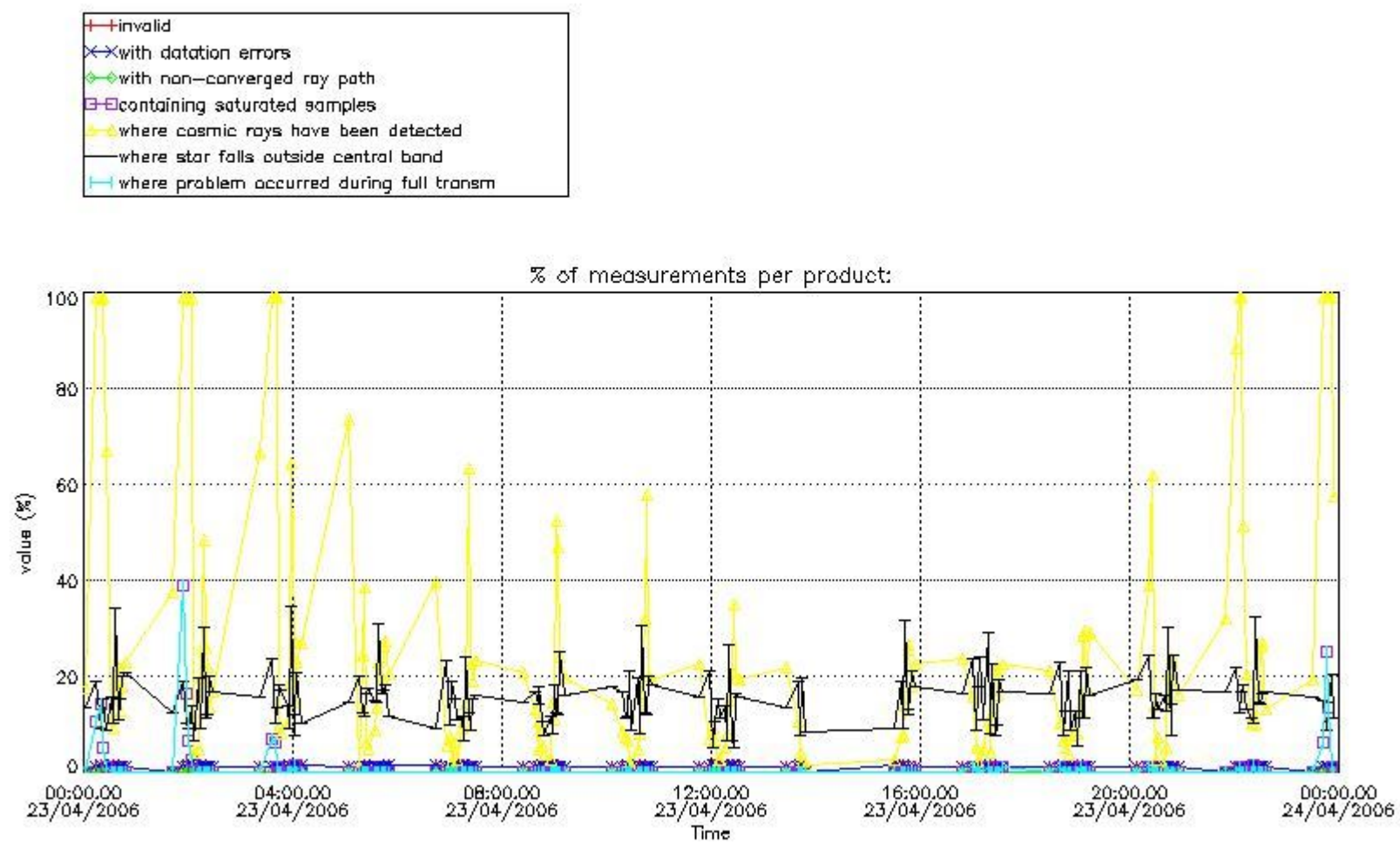


4. Level 1 quality information per product

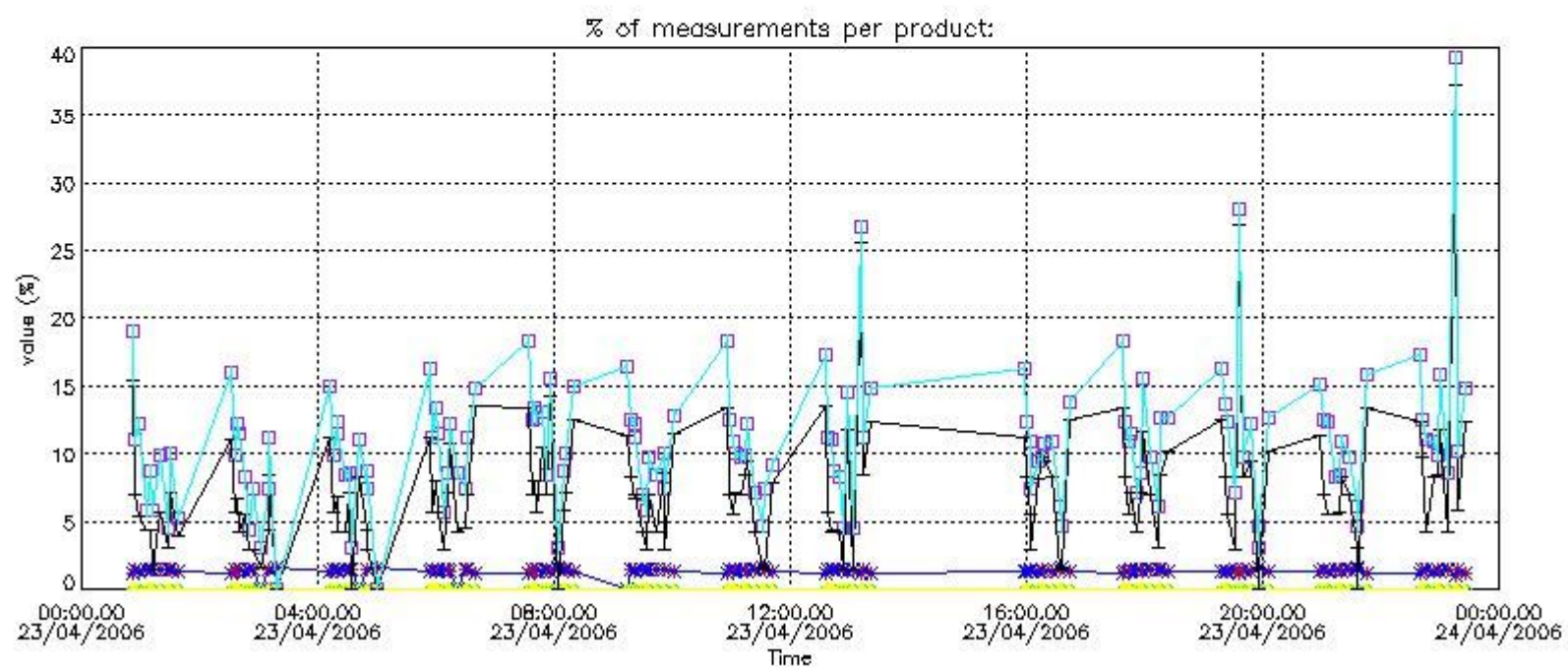
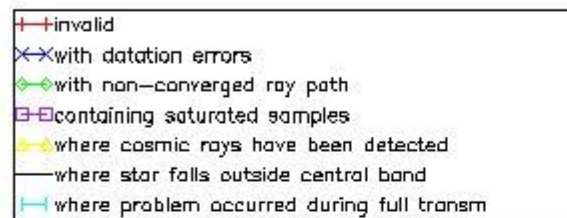
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

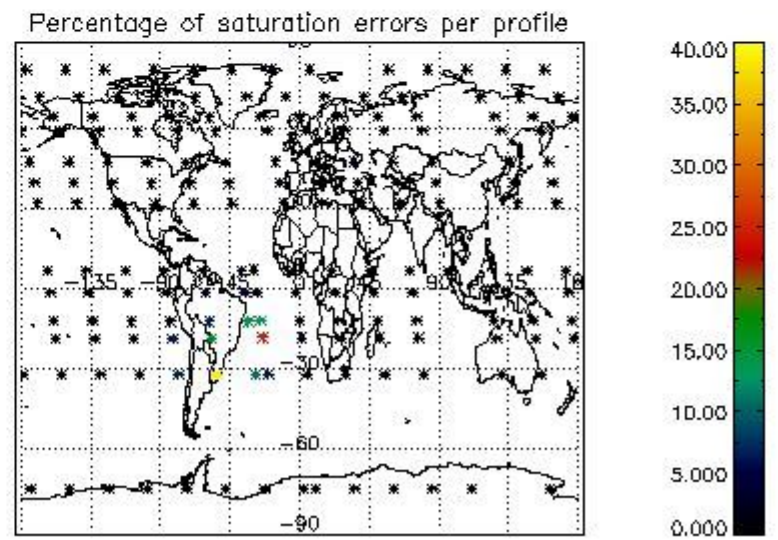
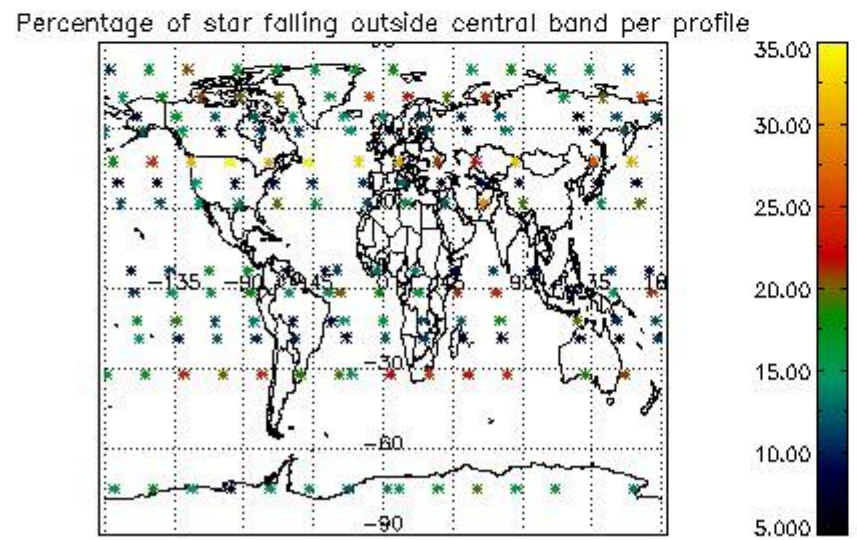
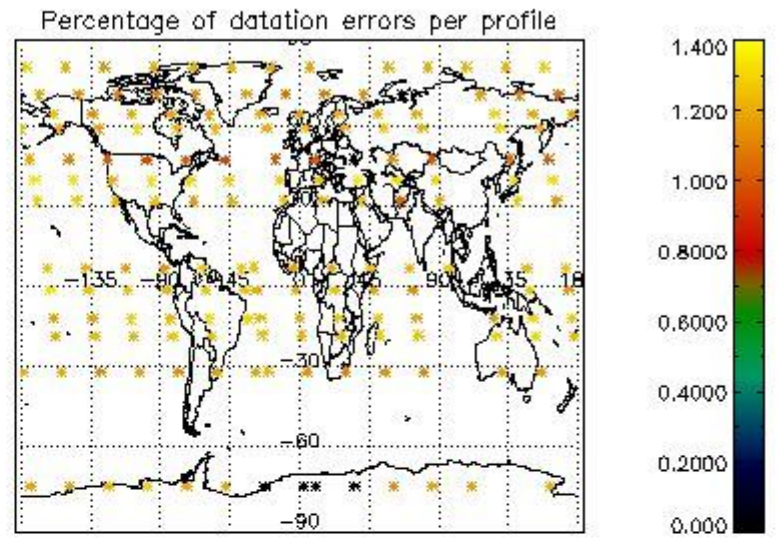
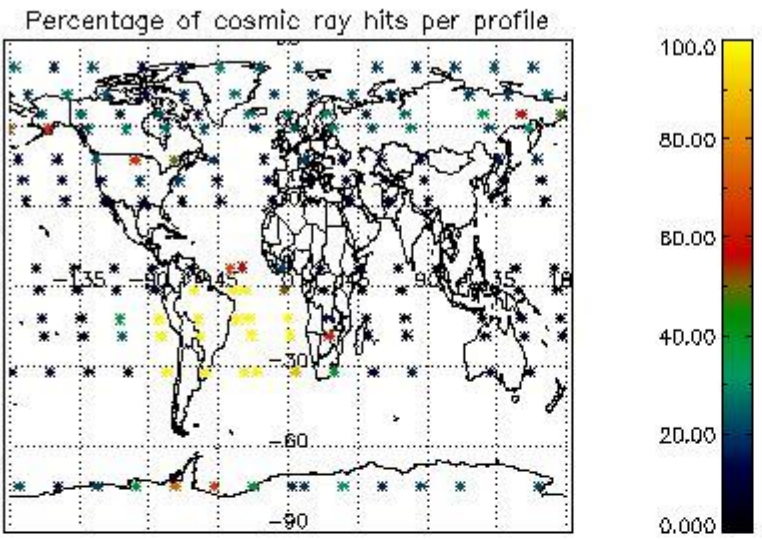


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

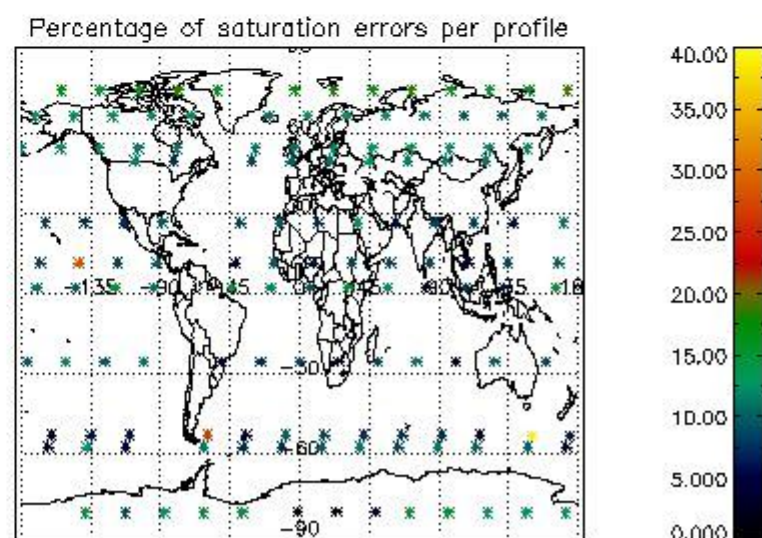
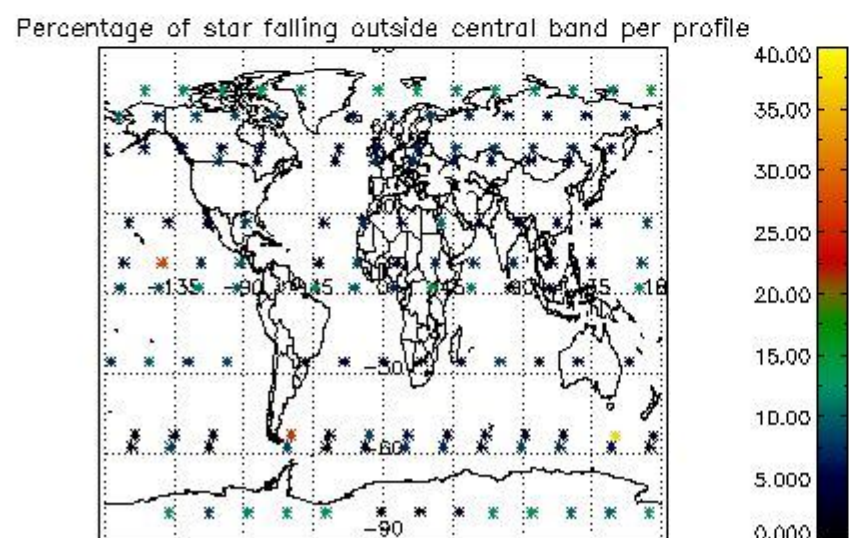
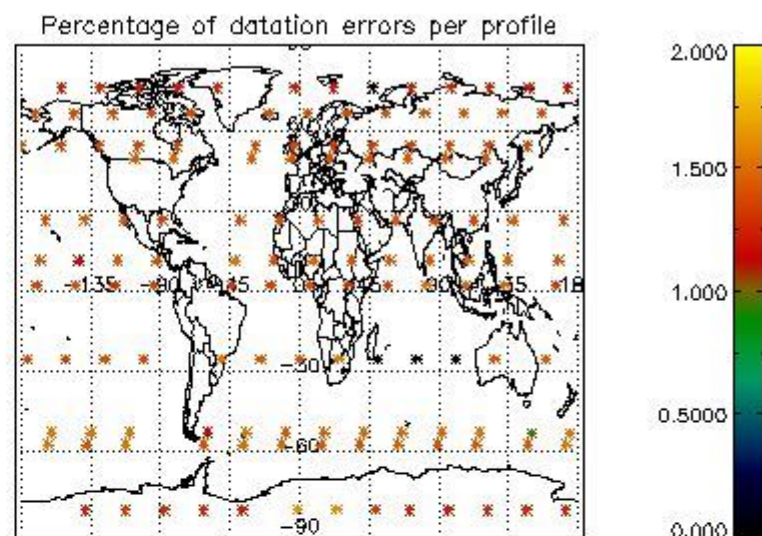
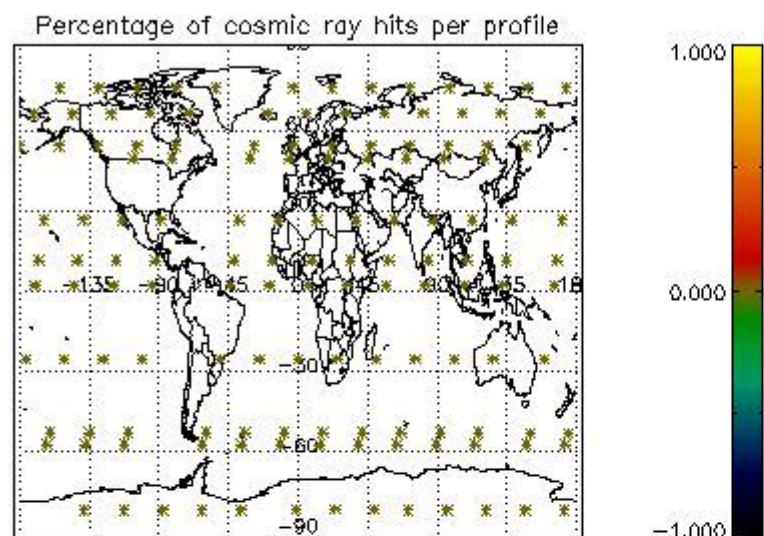


4.2 Plot quality information per product coming from level 1b processing (world map)

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

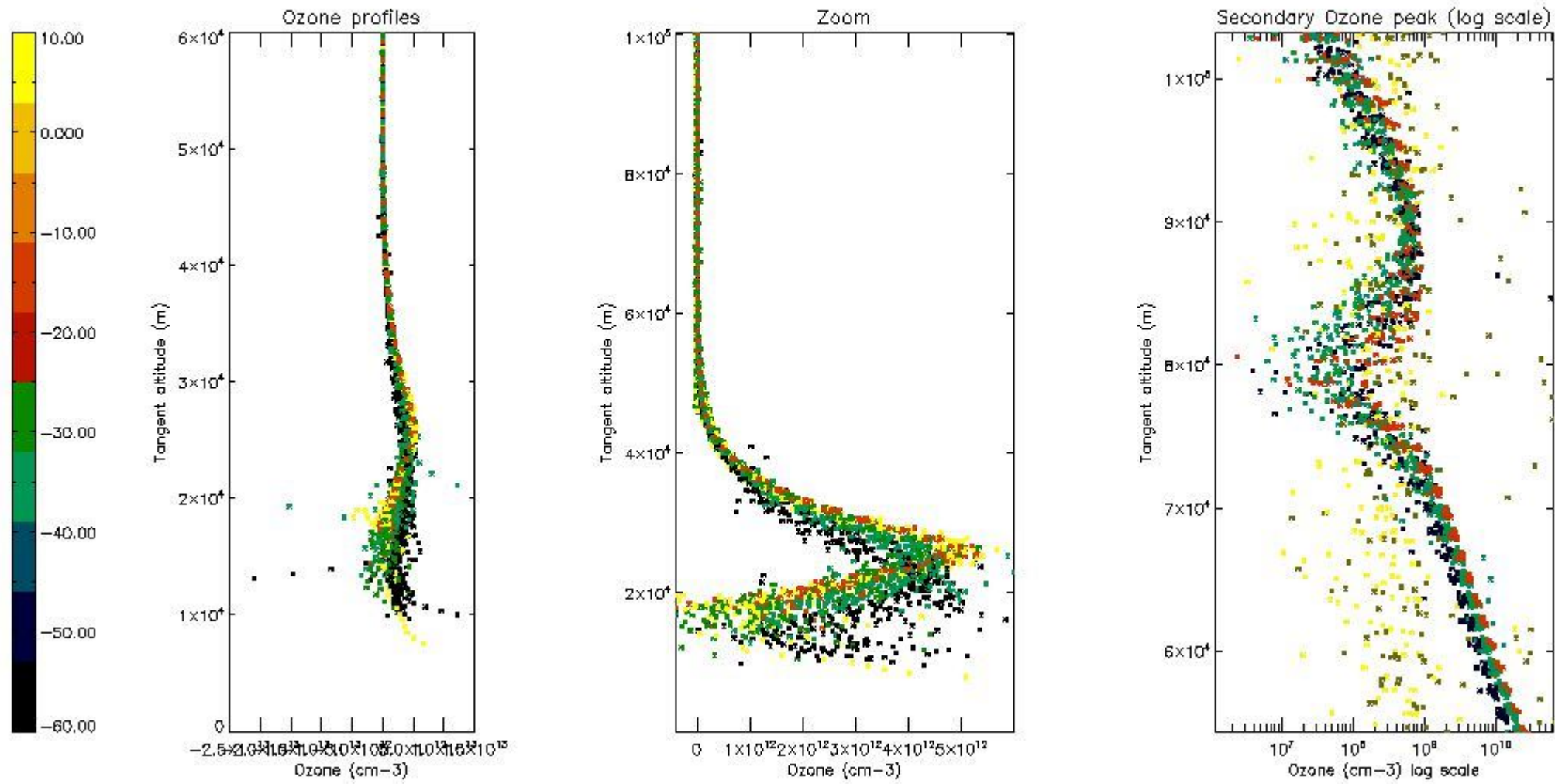
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	28
STD < 20	15

STD < 10	11
STD < 5	7

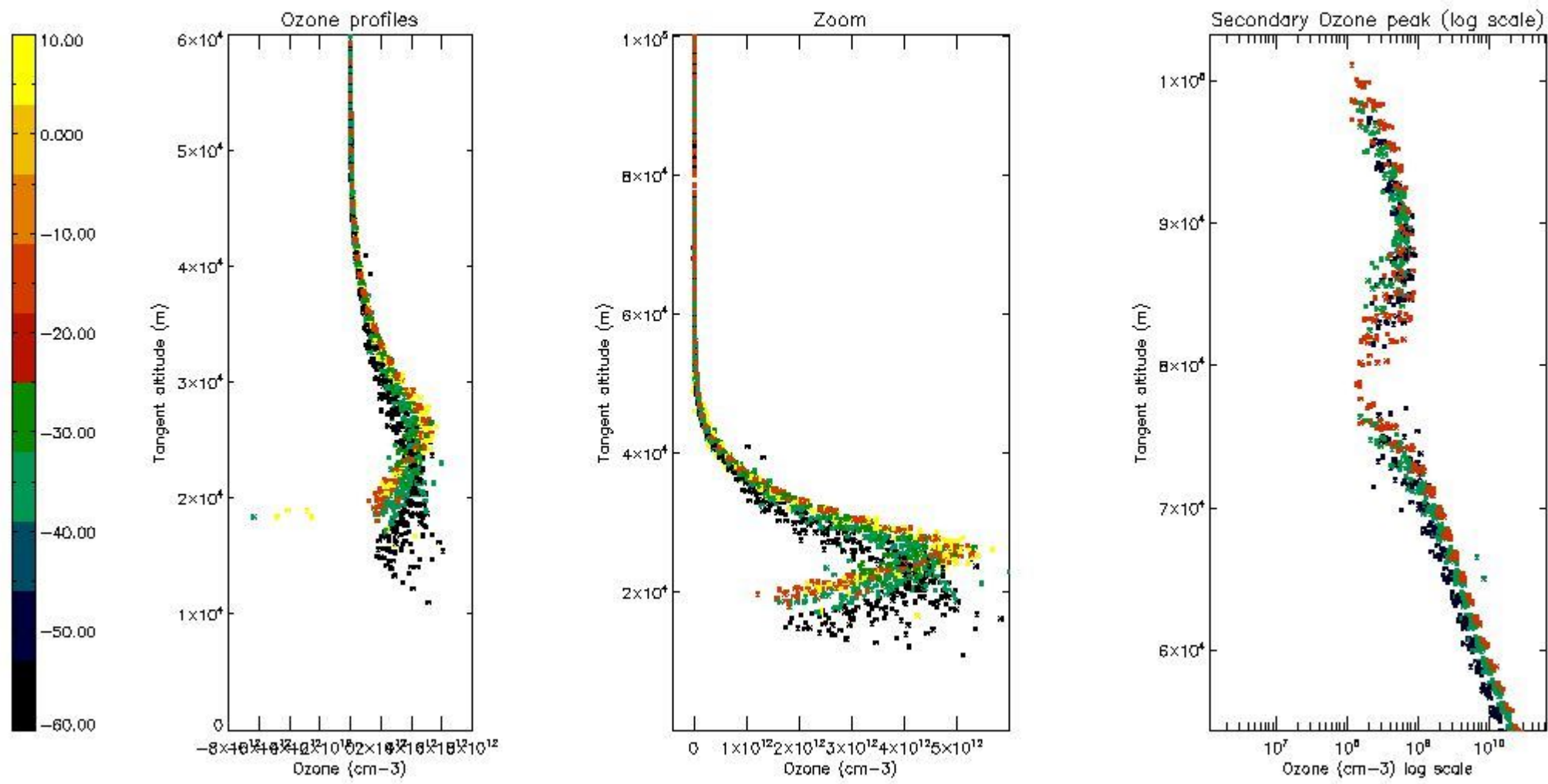
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



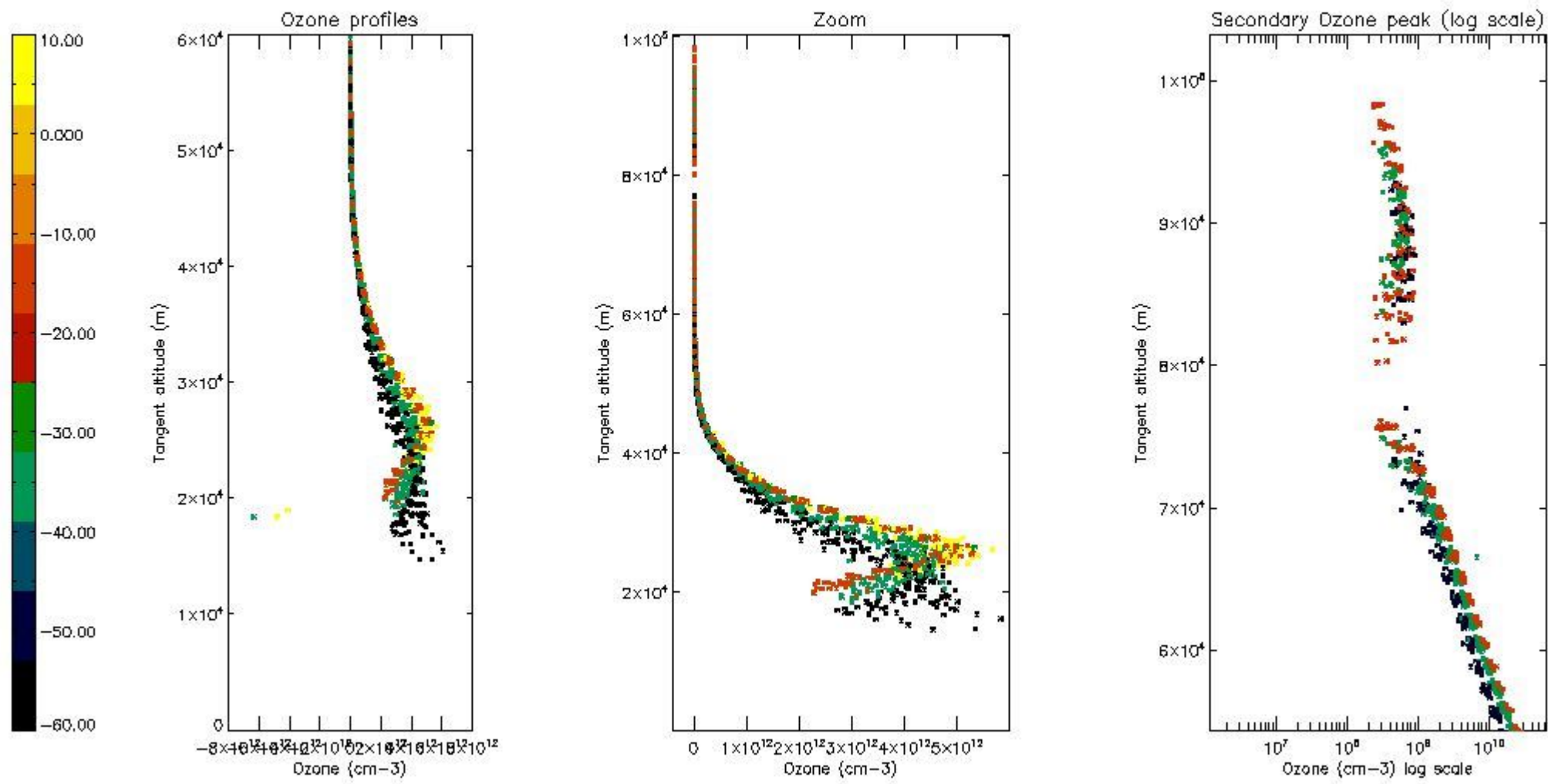
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



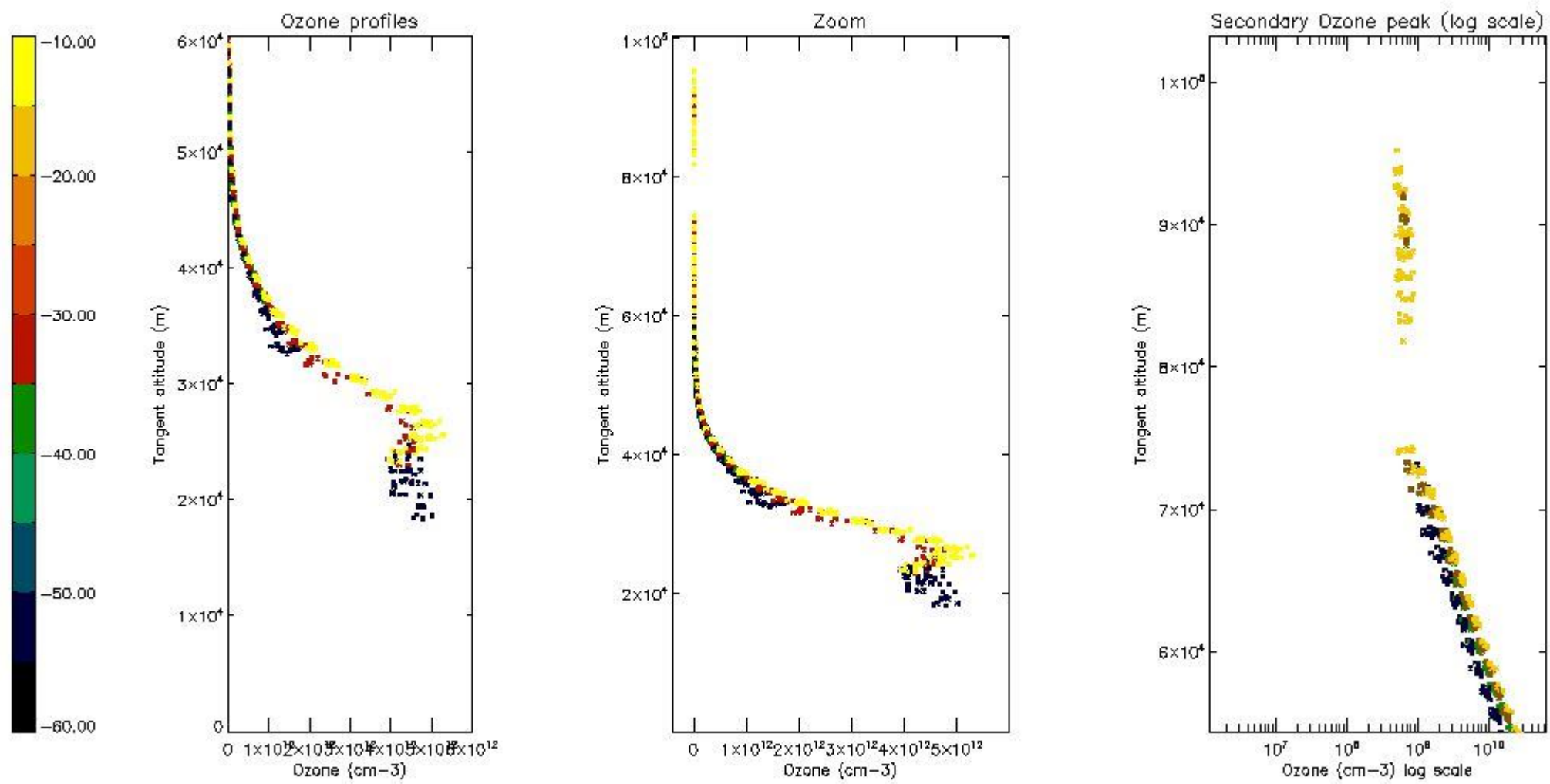
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



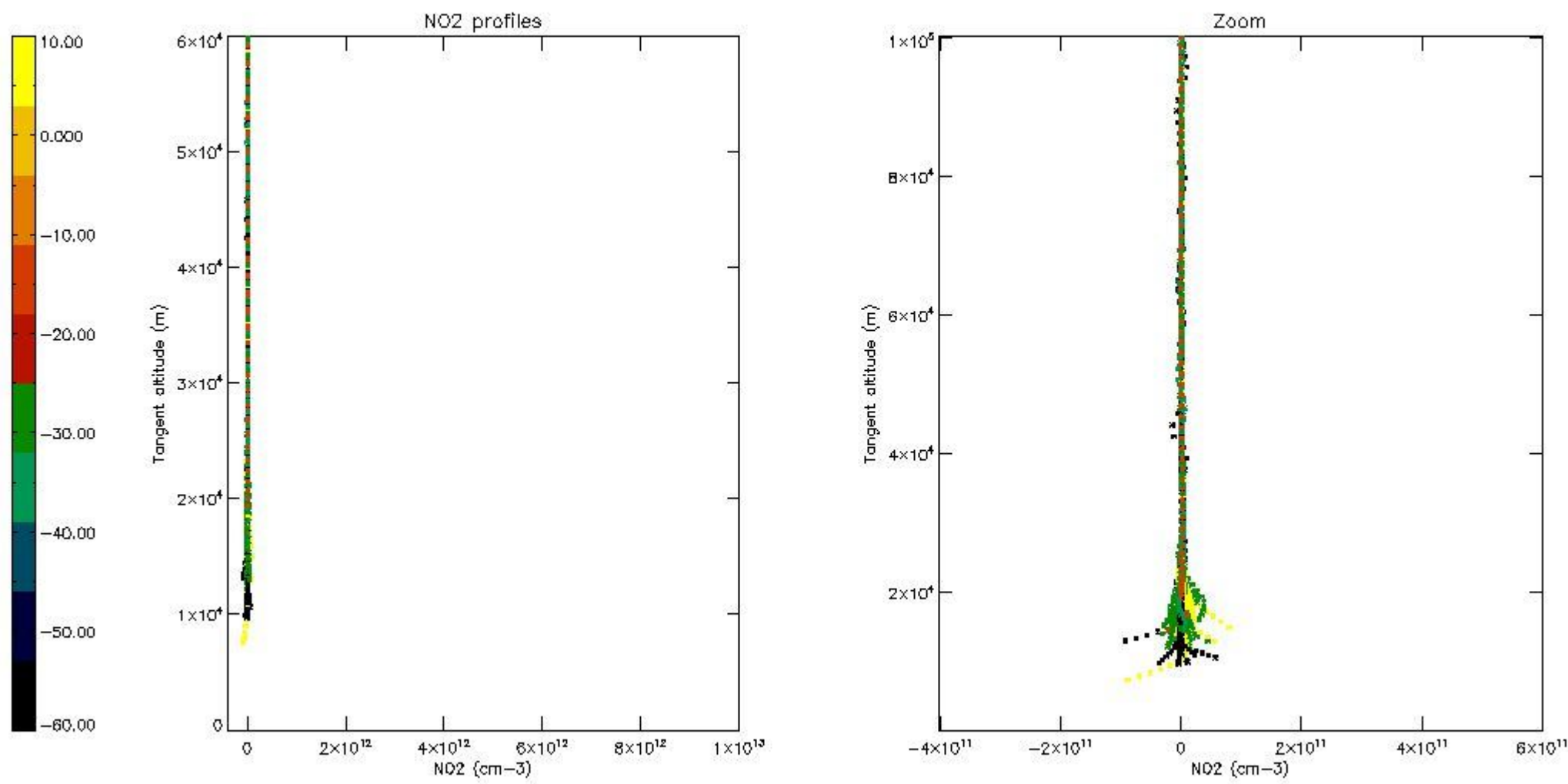
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



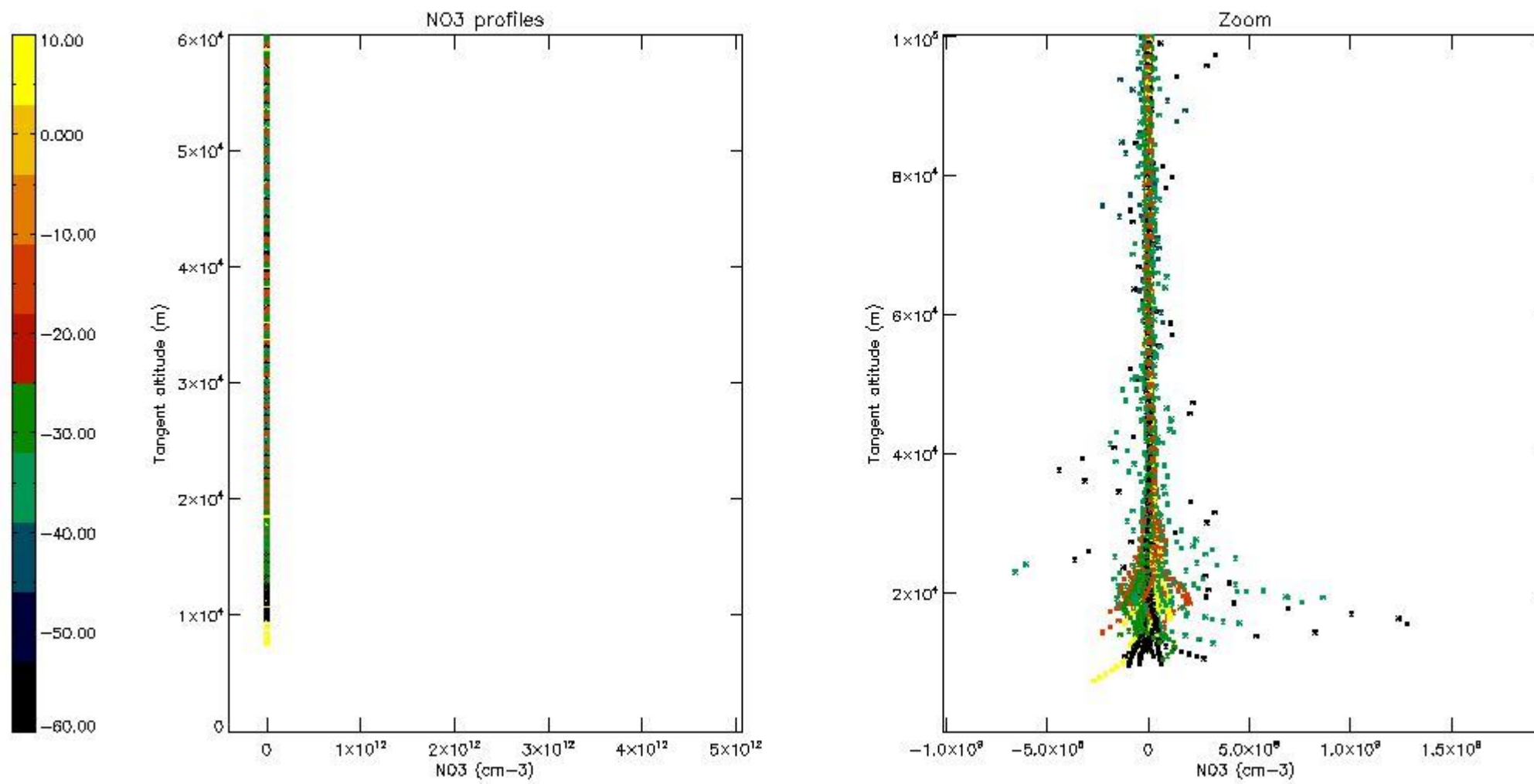
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

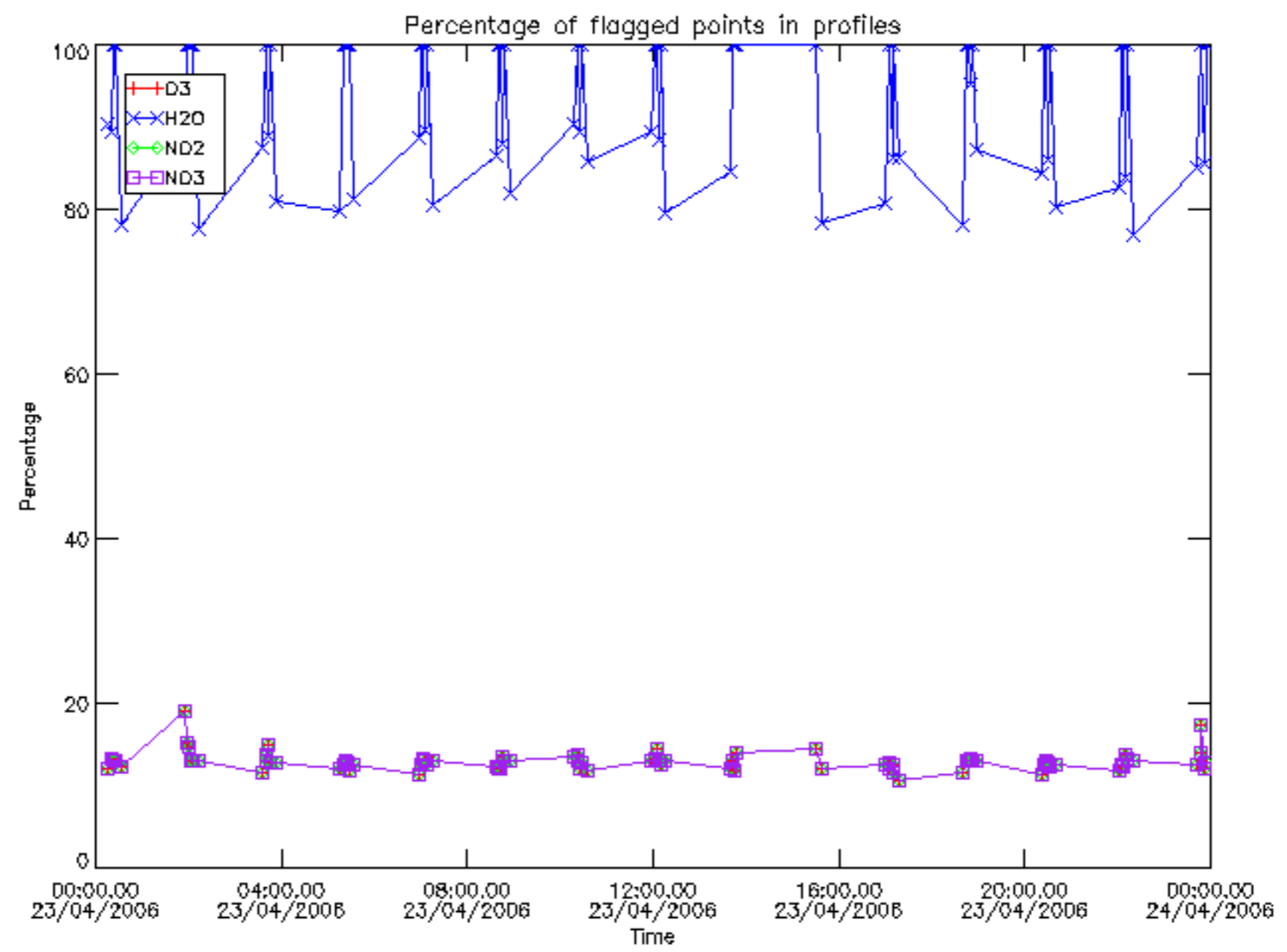
The colorbar represents the latitude.



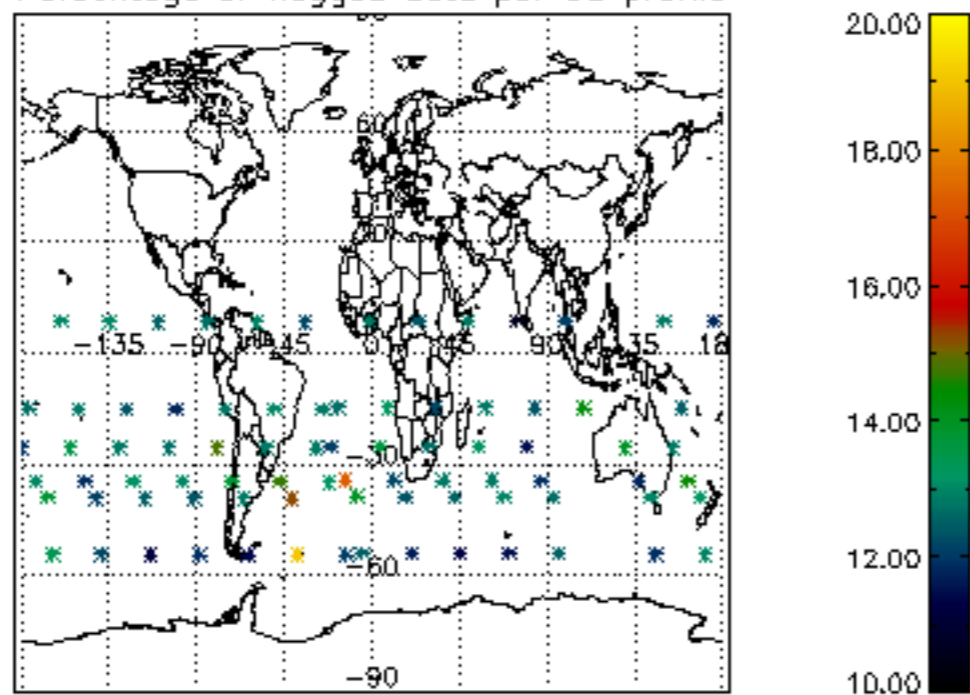
6. Auxiliary Data Files used for the production reported in section 2

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.

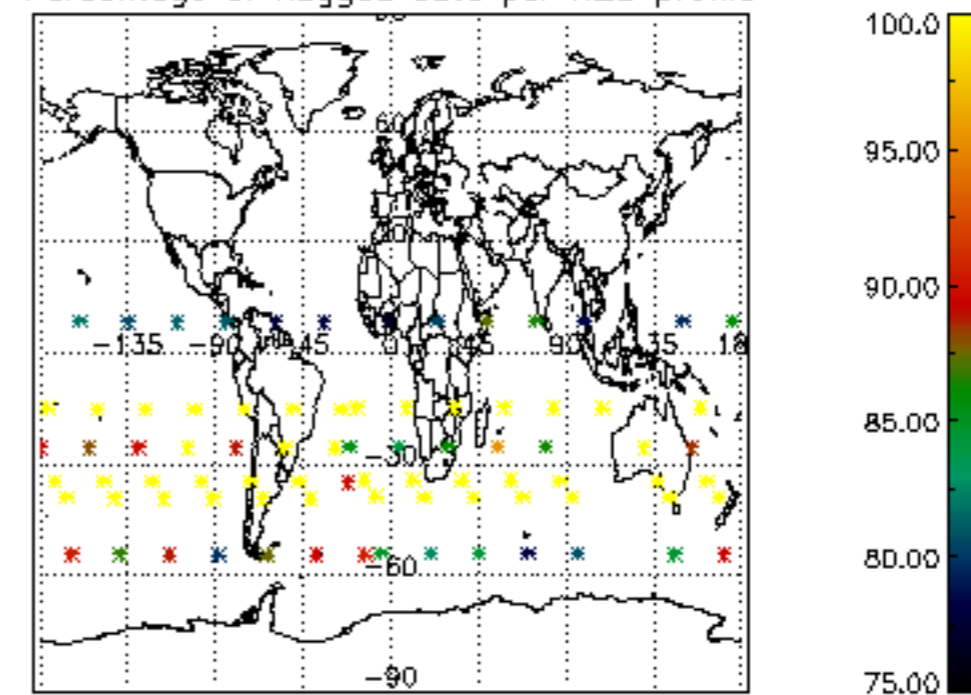
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	23-APR-2006 00:01:41
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	23-APR-2006 00:01:41
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	23-APR-2006 00:01:41



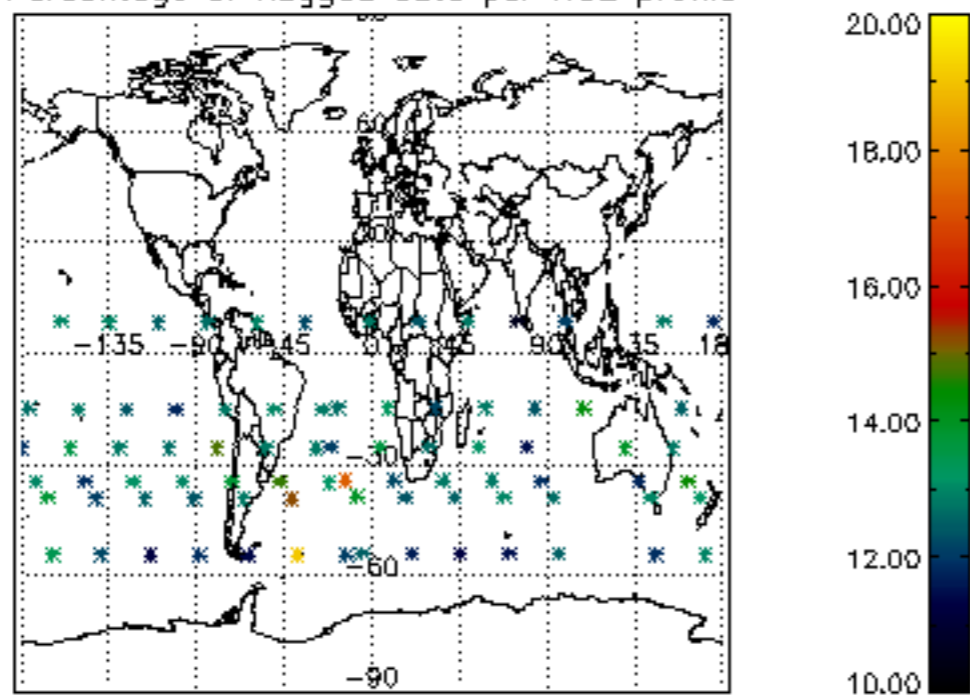
Percentage of flagged data per D3 profile



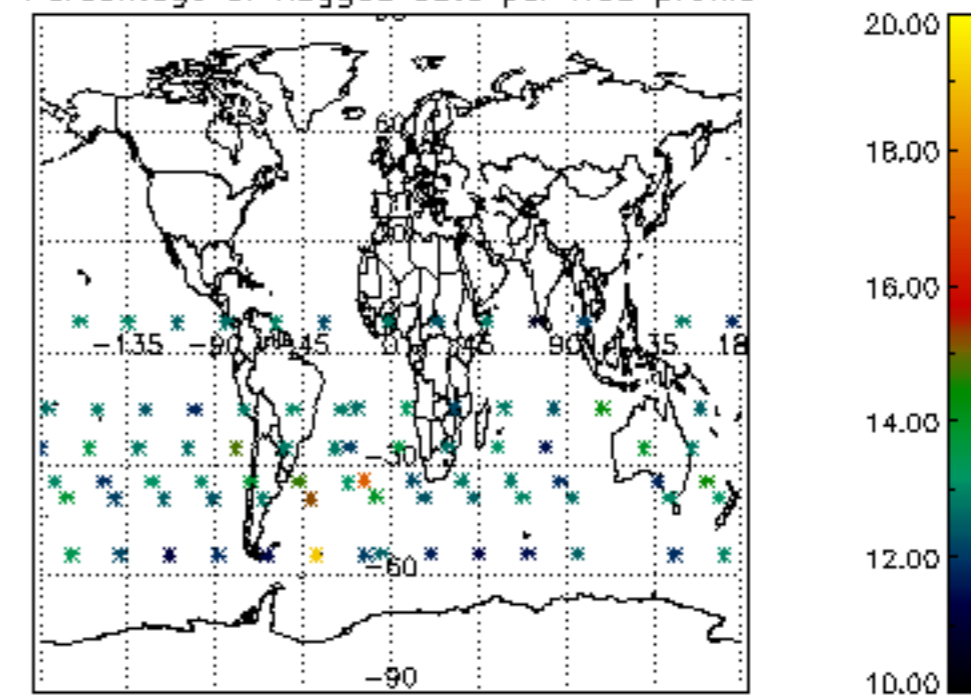
Percentage of flagged data per H2O profile

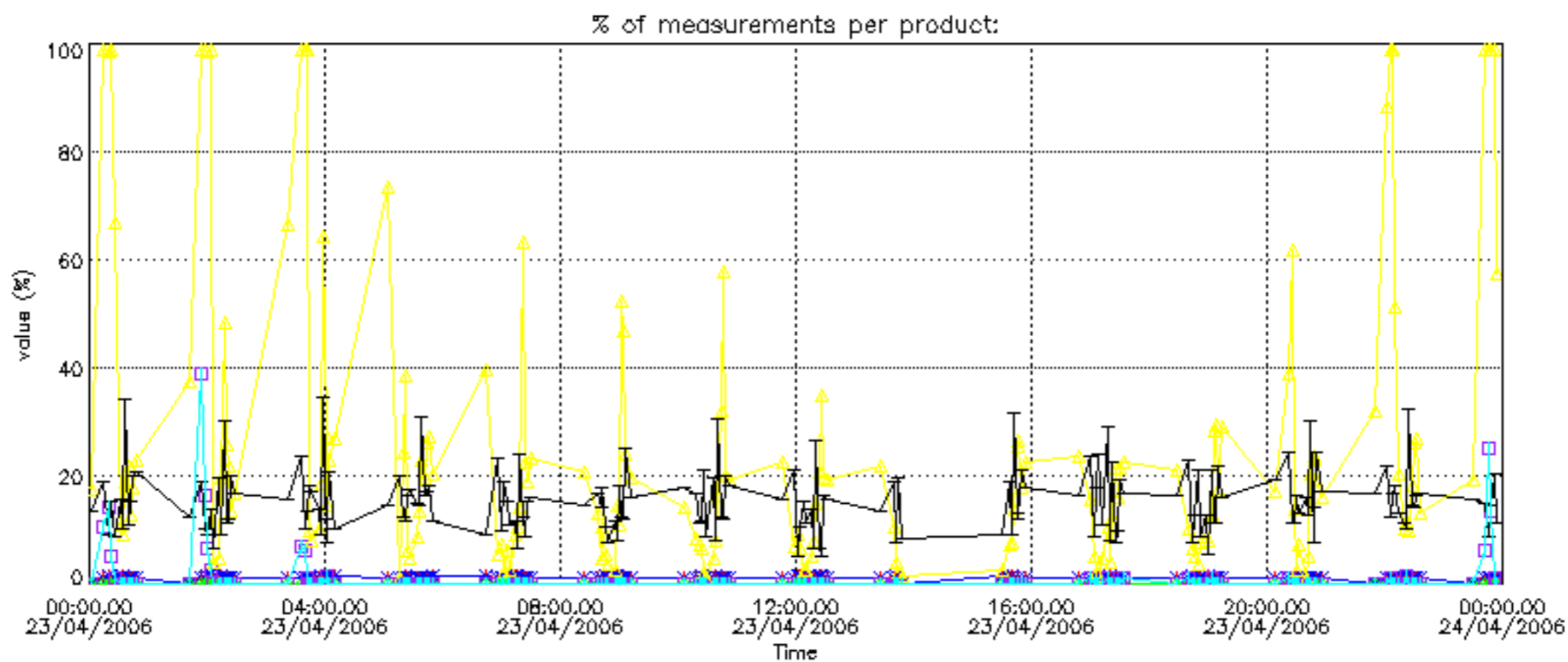
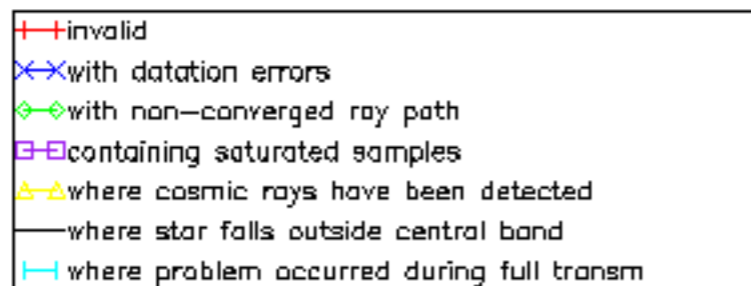


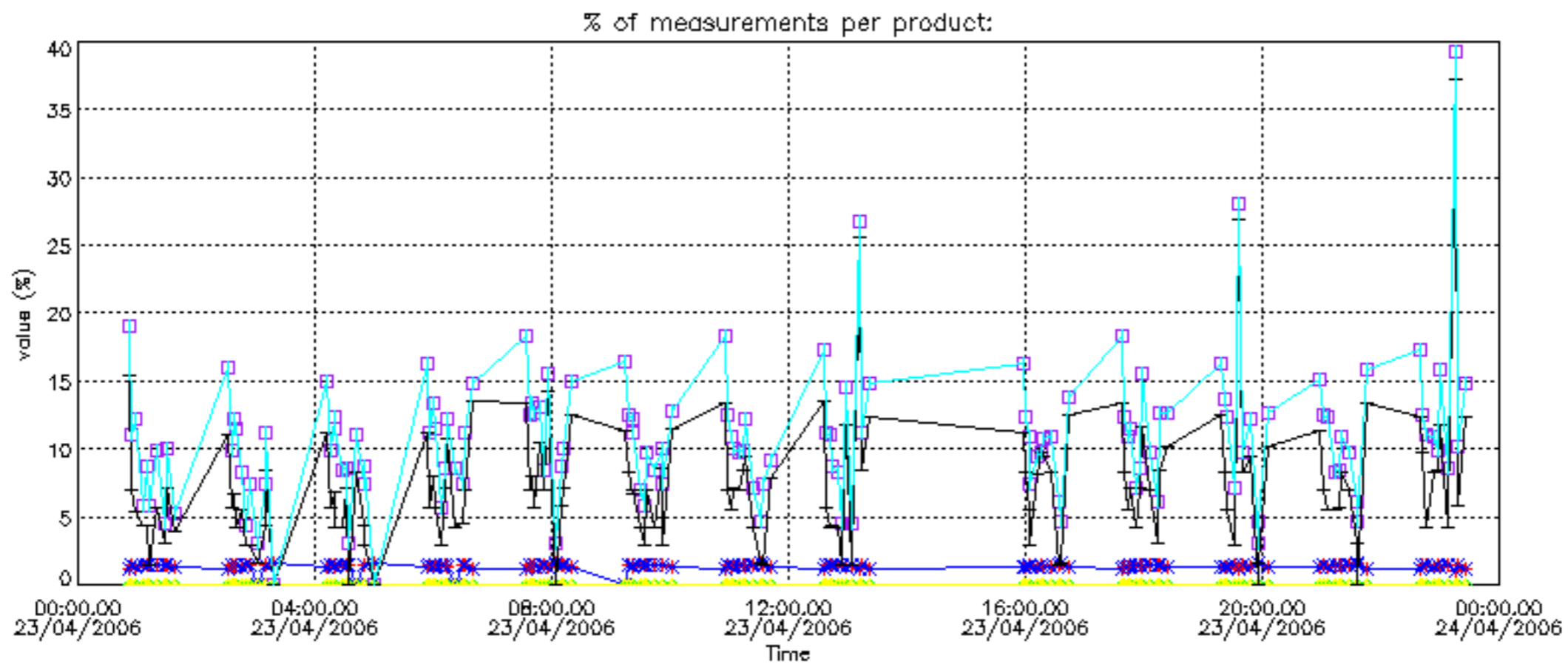
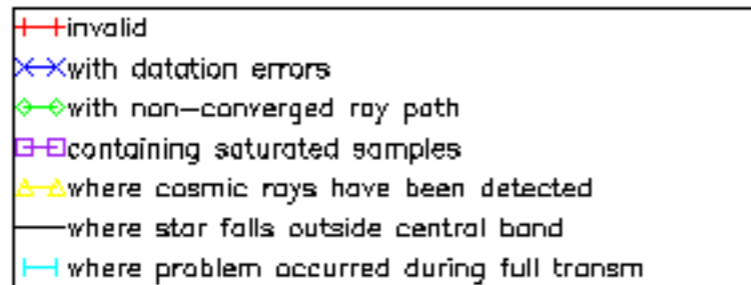
Percentage of flagged data per NO2 profile



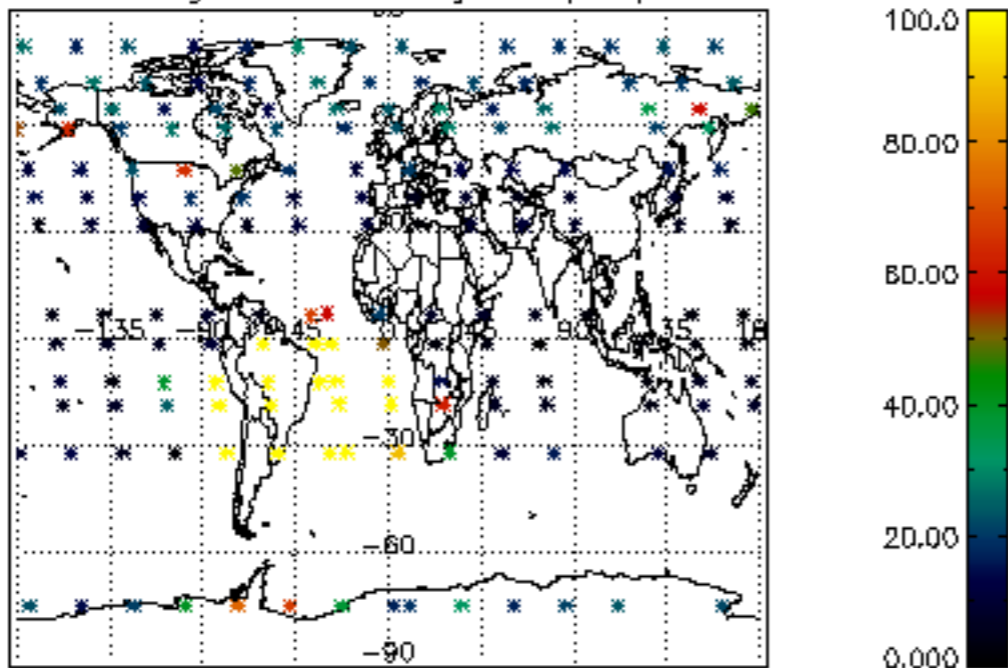
Percentage of flagged data per NO3 profile



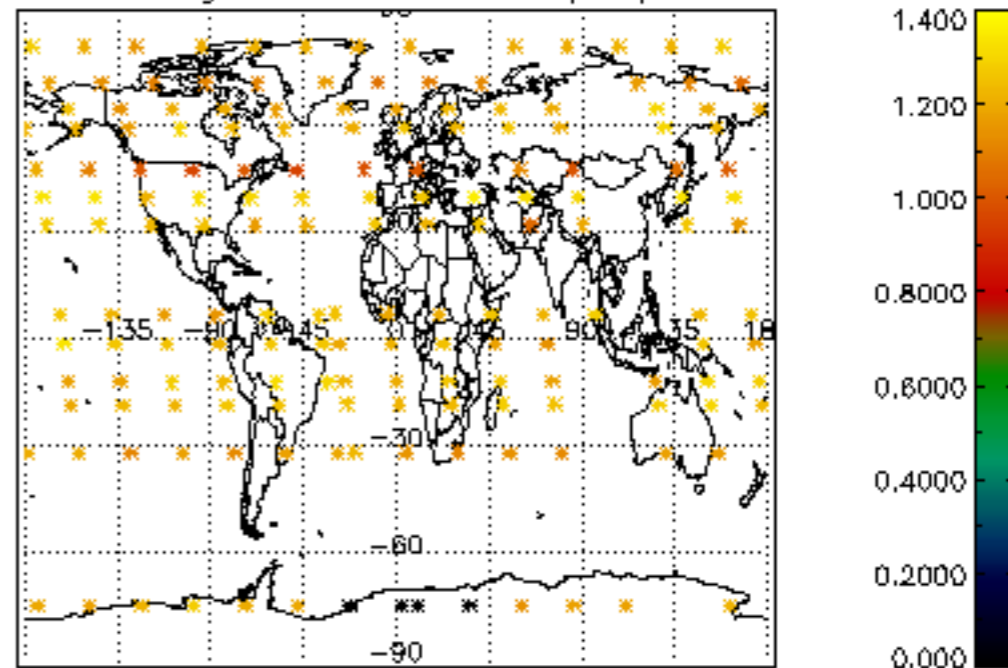




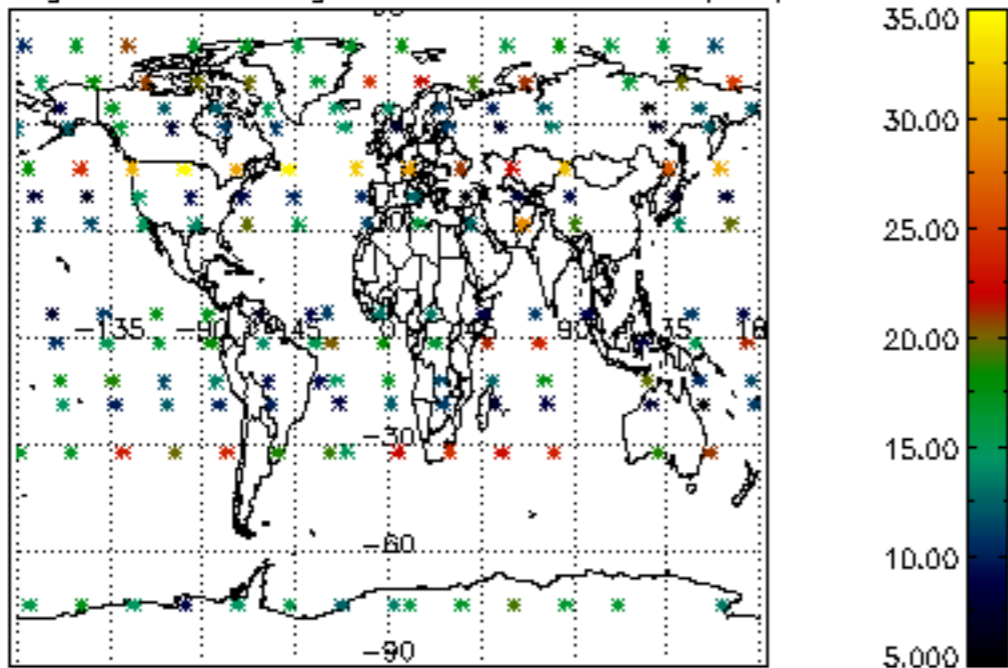
Percentage of cosmic ray hits per profile



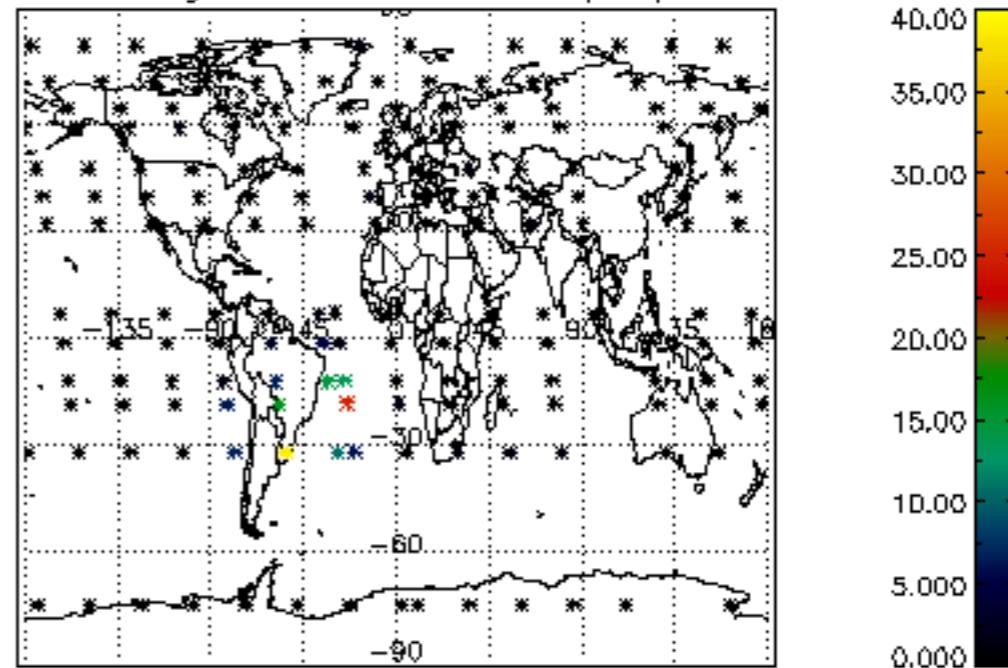
Percentage of datation errors per profile



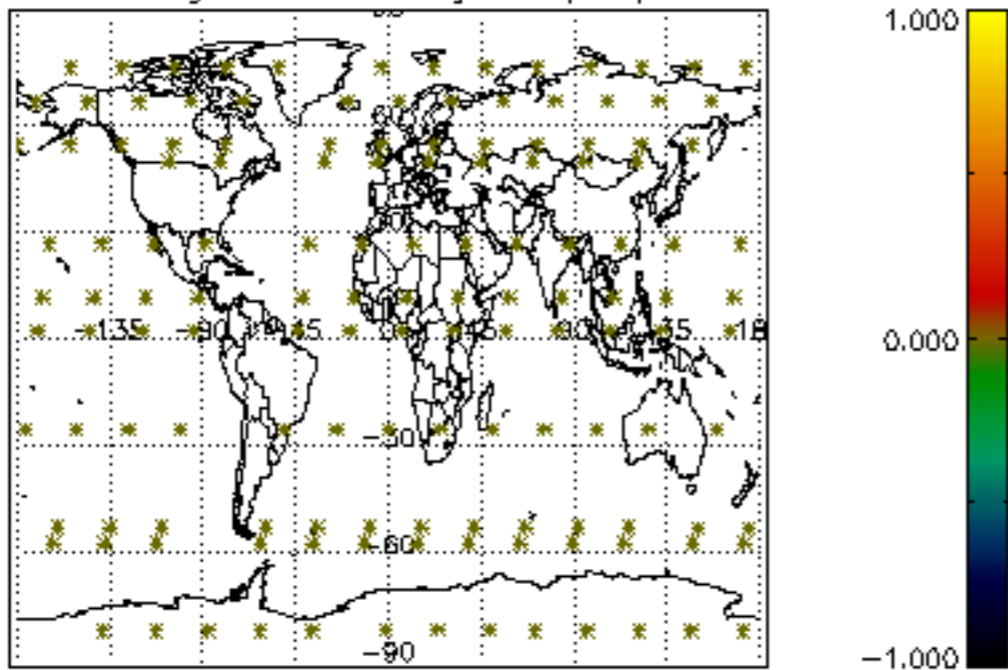
Percentage of star falling outside central band per profile



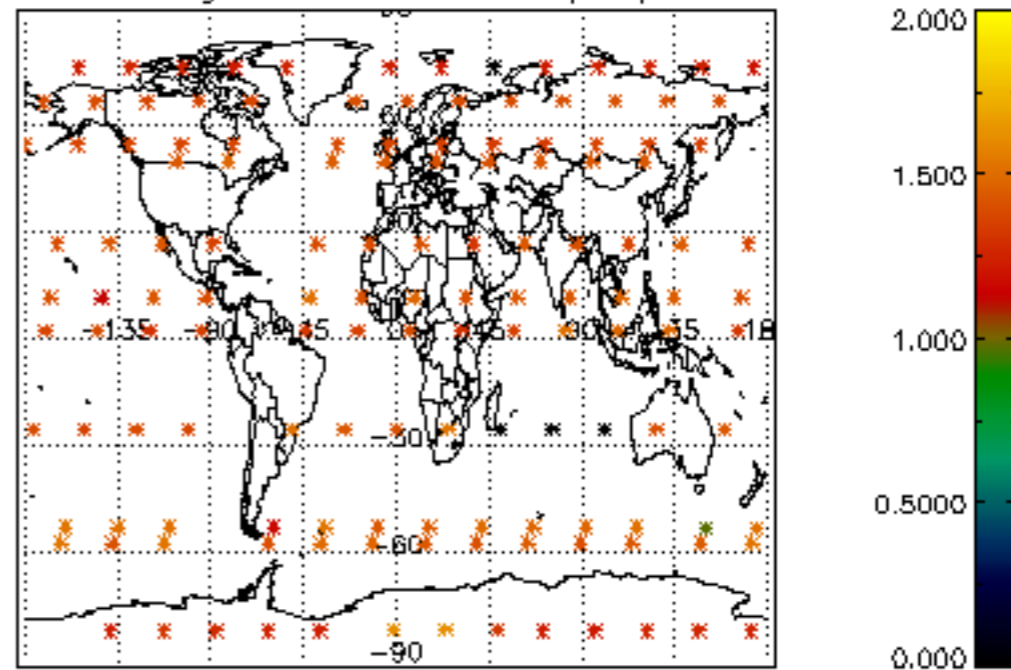
Percentage of saturation errors per profile



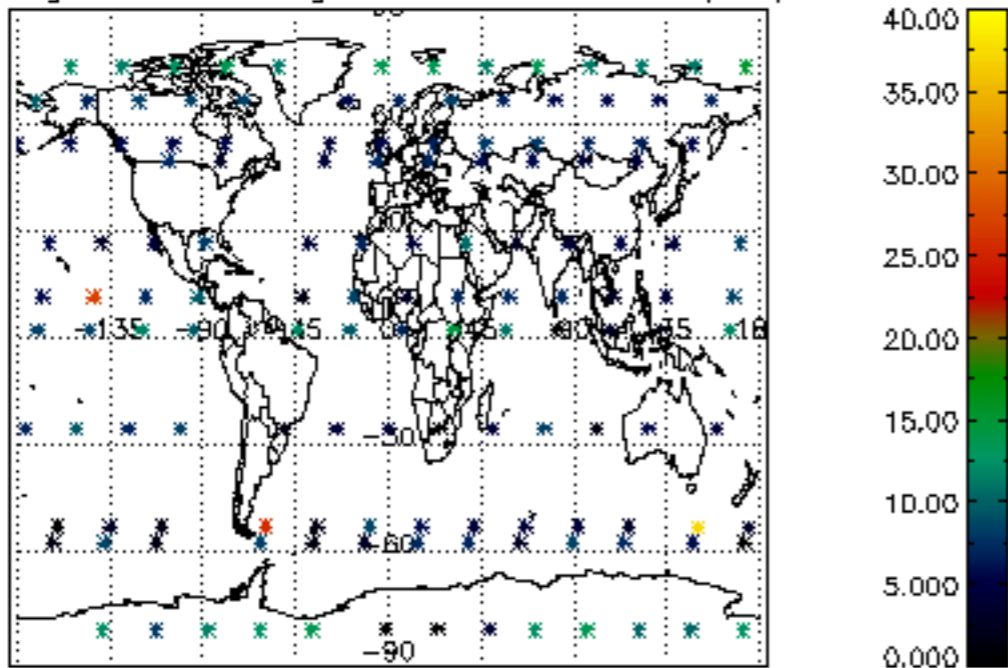
Percentage of cosmic ray hits per profile



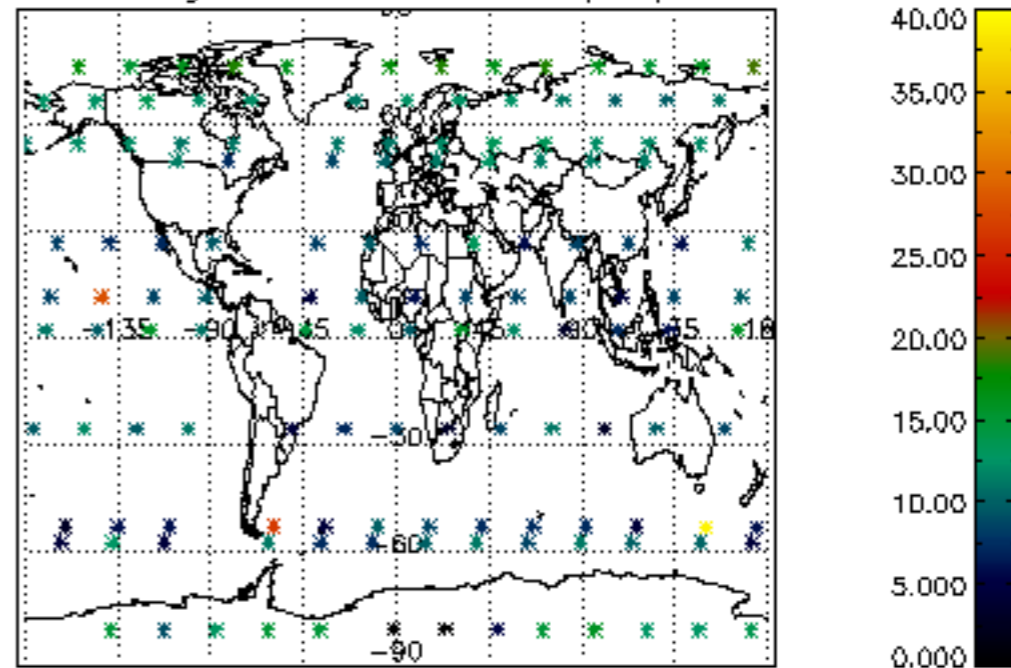
Percentage of datation errors per profile

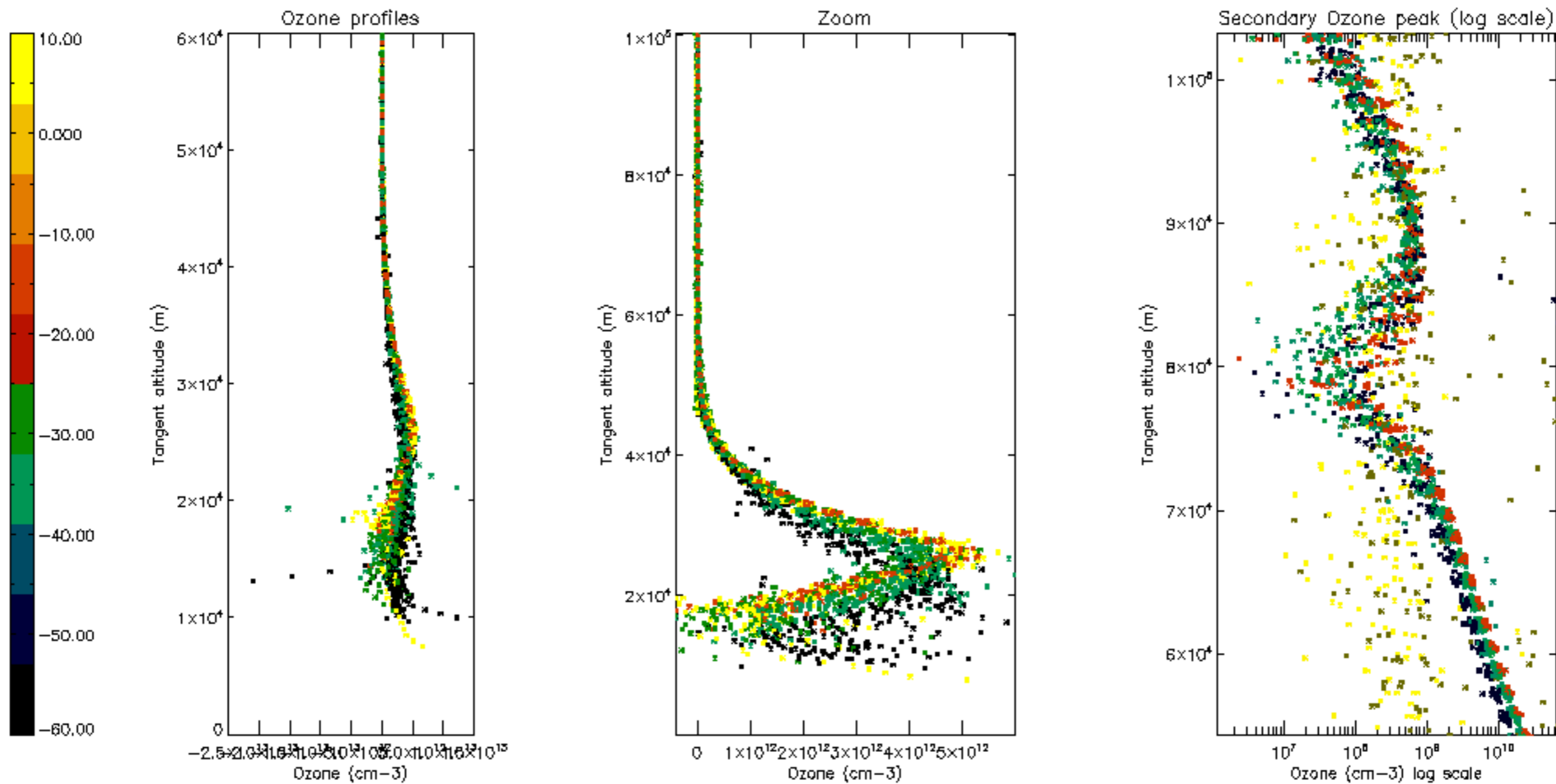


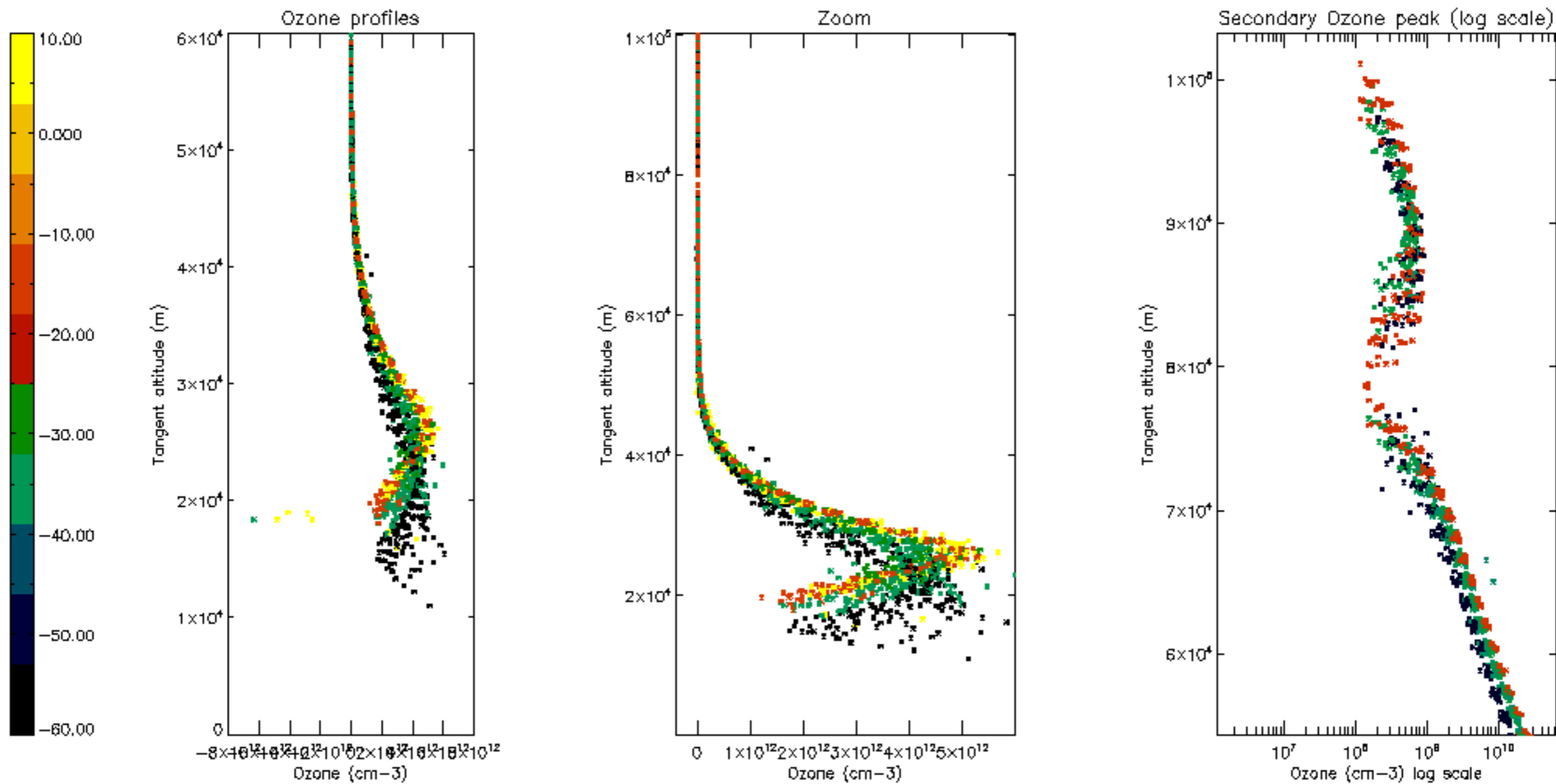
Percentage of star falling outside central band per profile

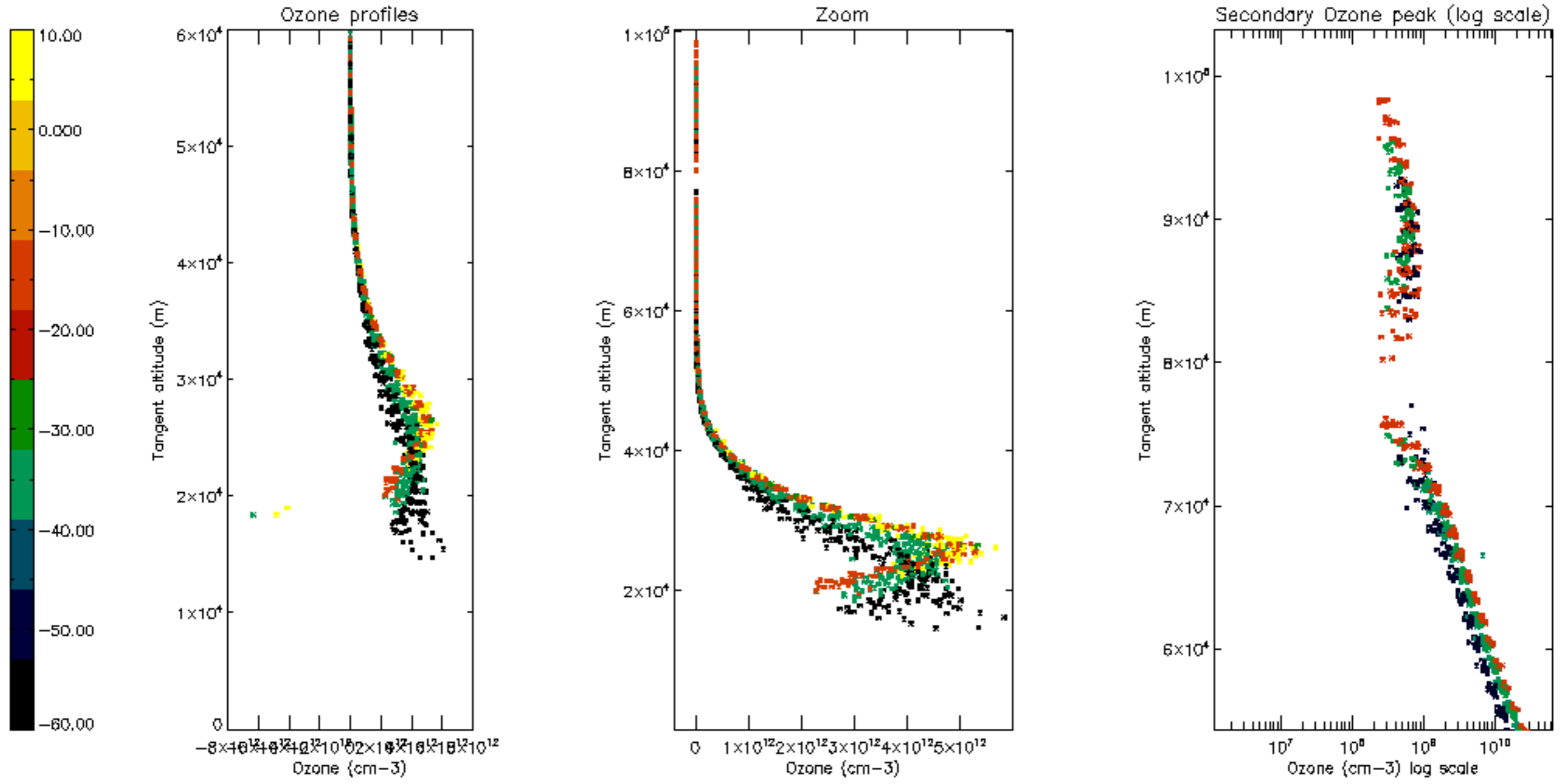


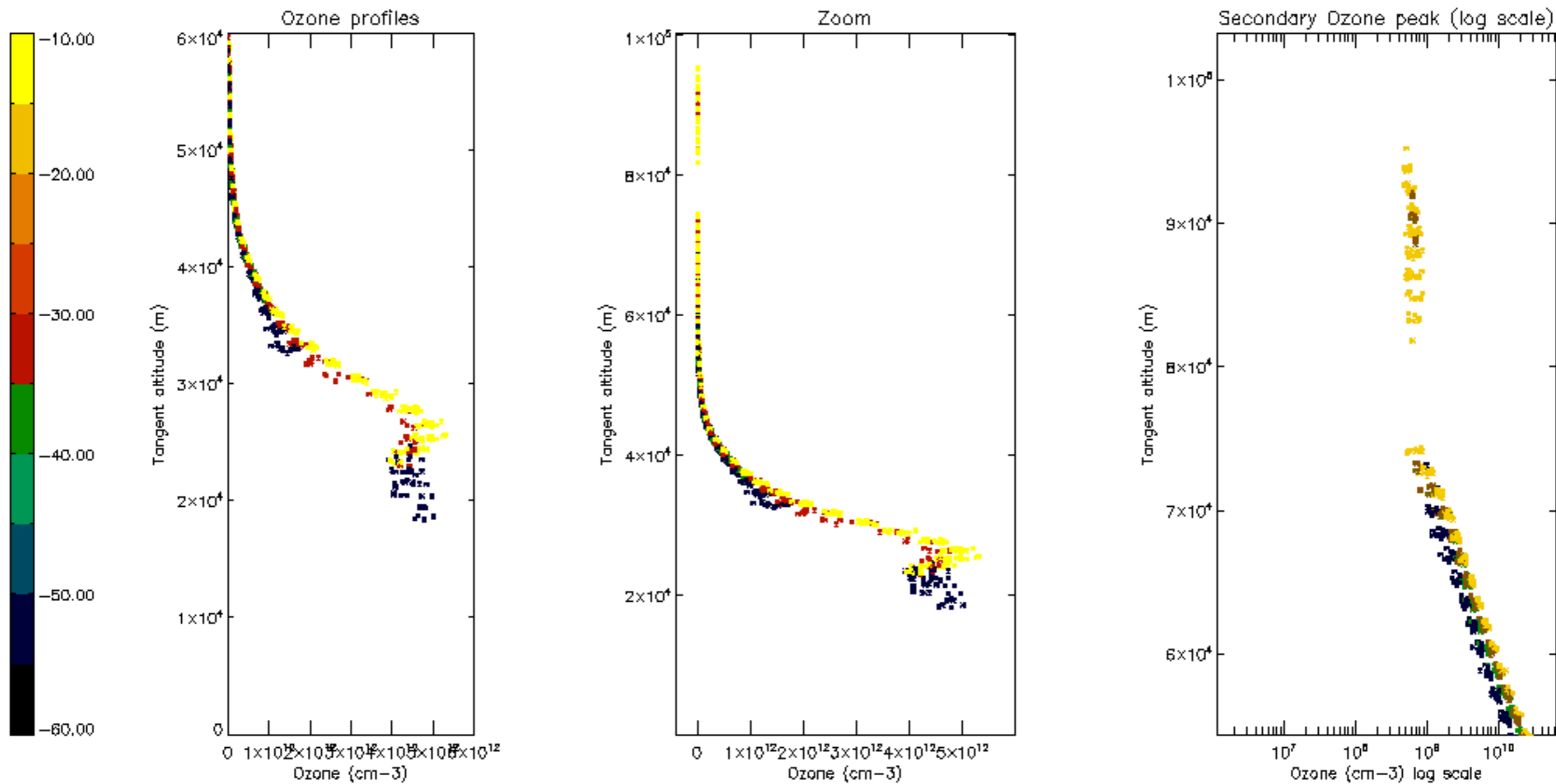
Percentage of saturation errors per profile

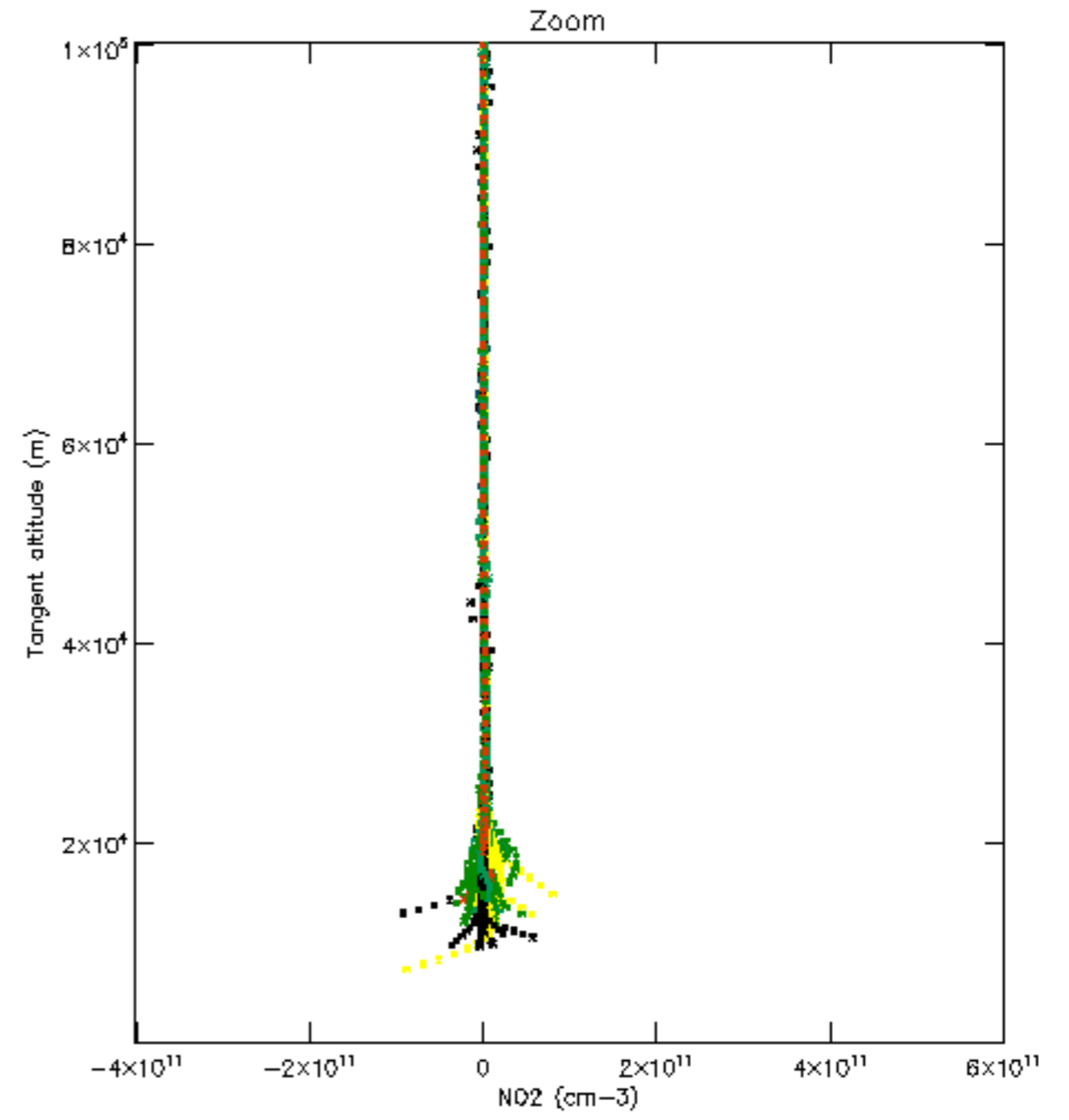
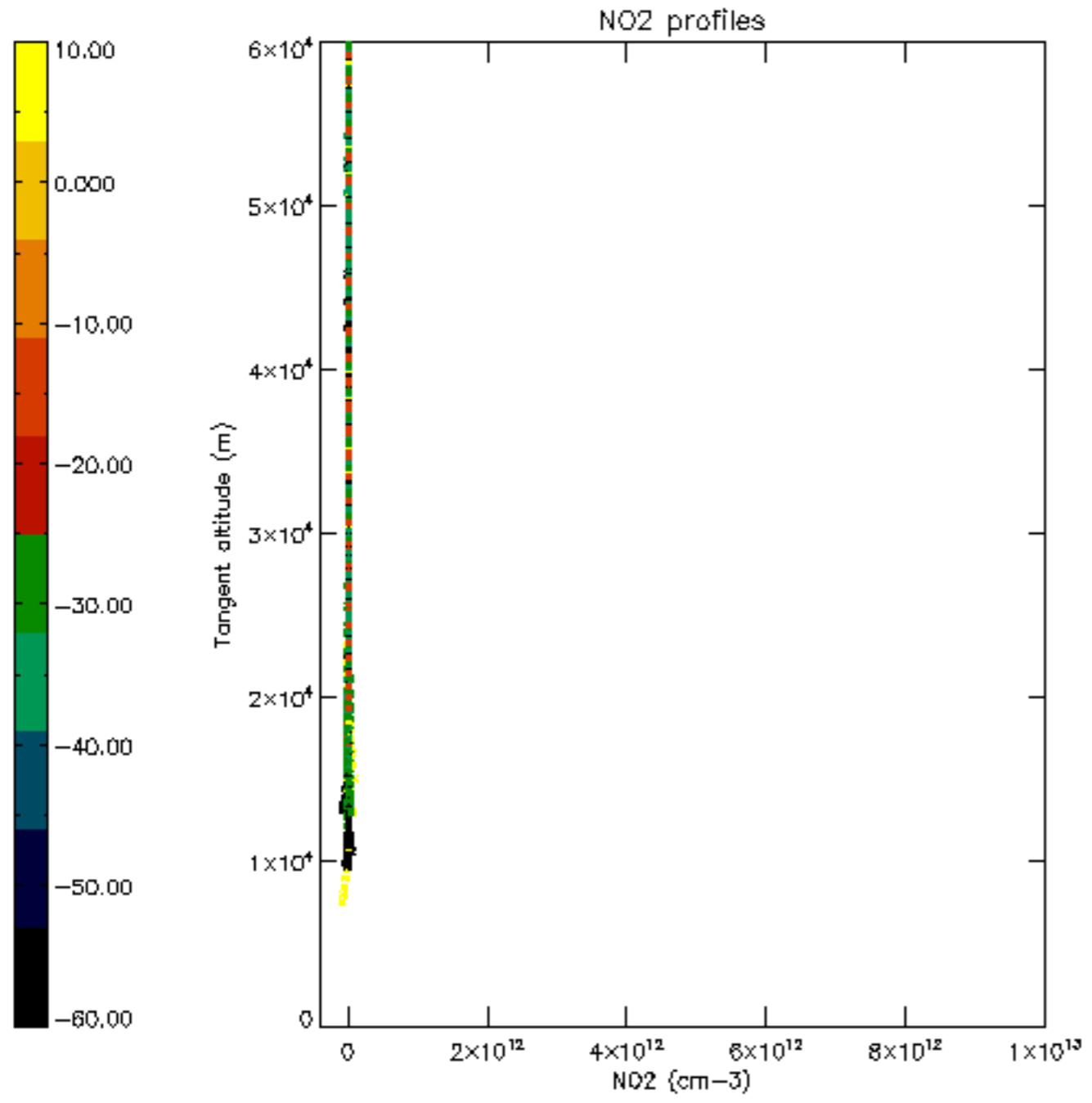


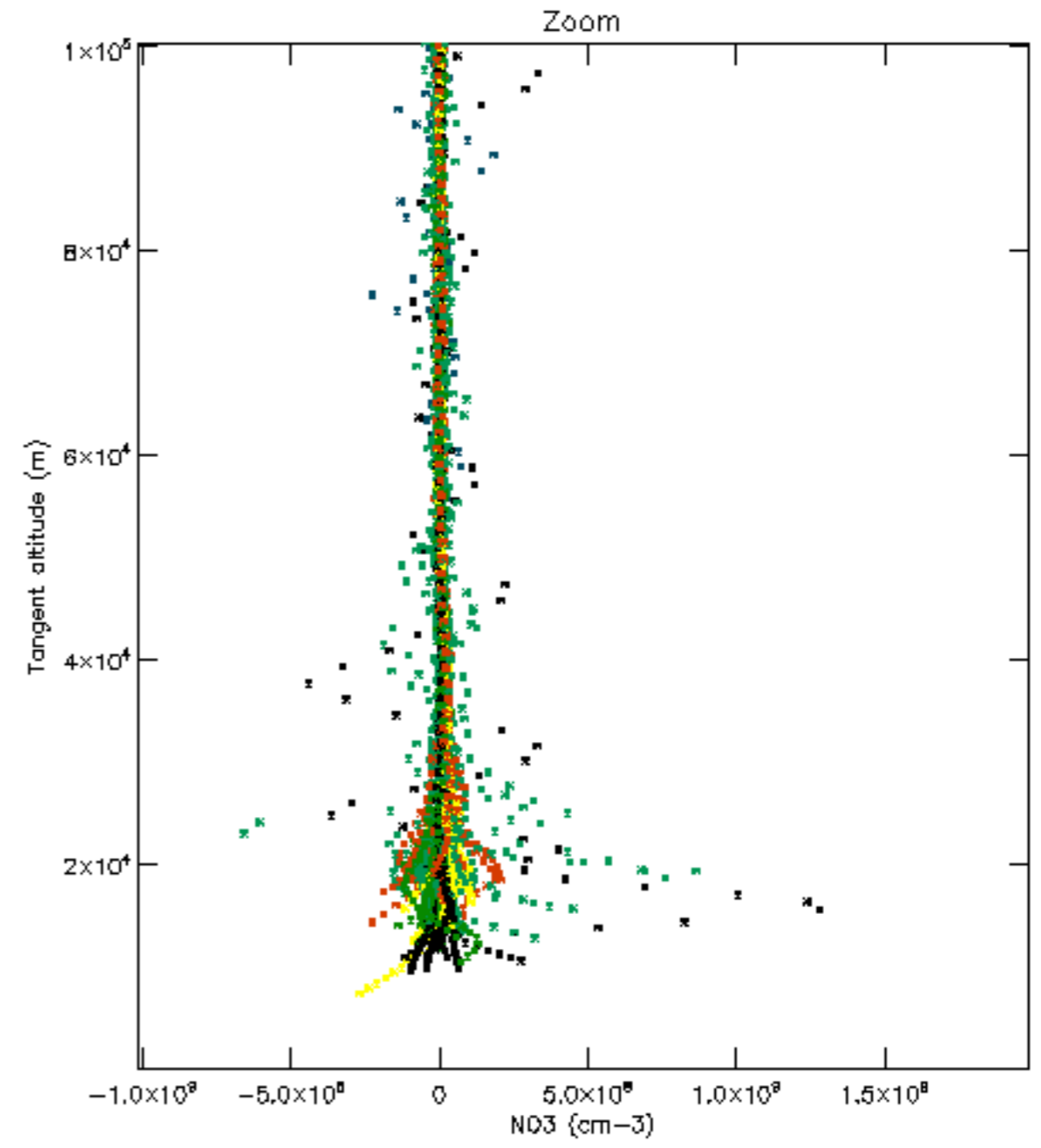
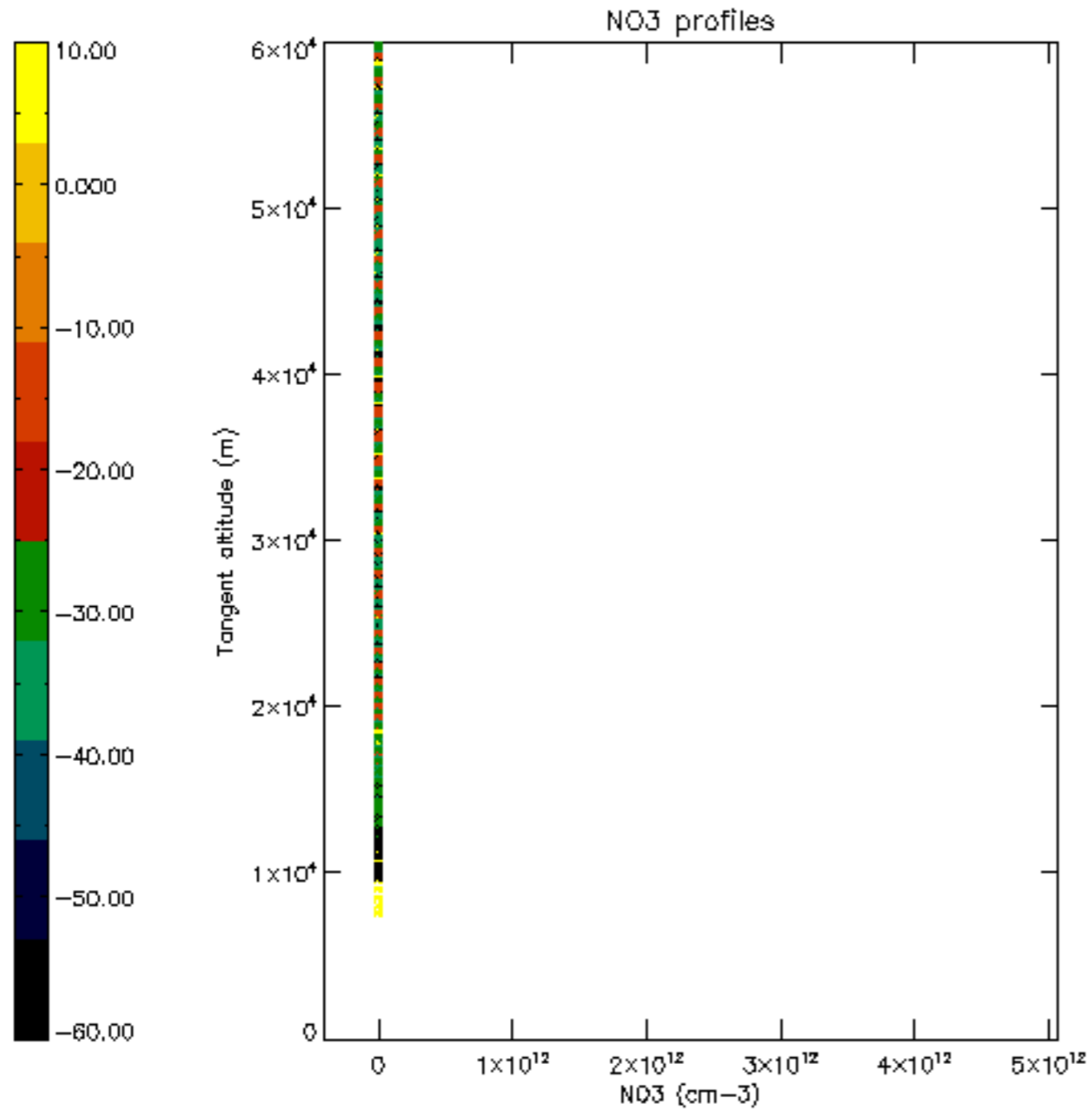


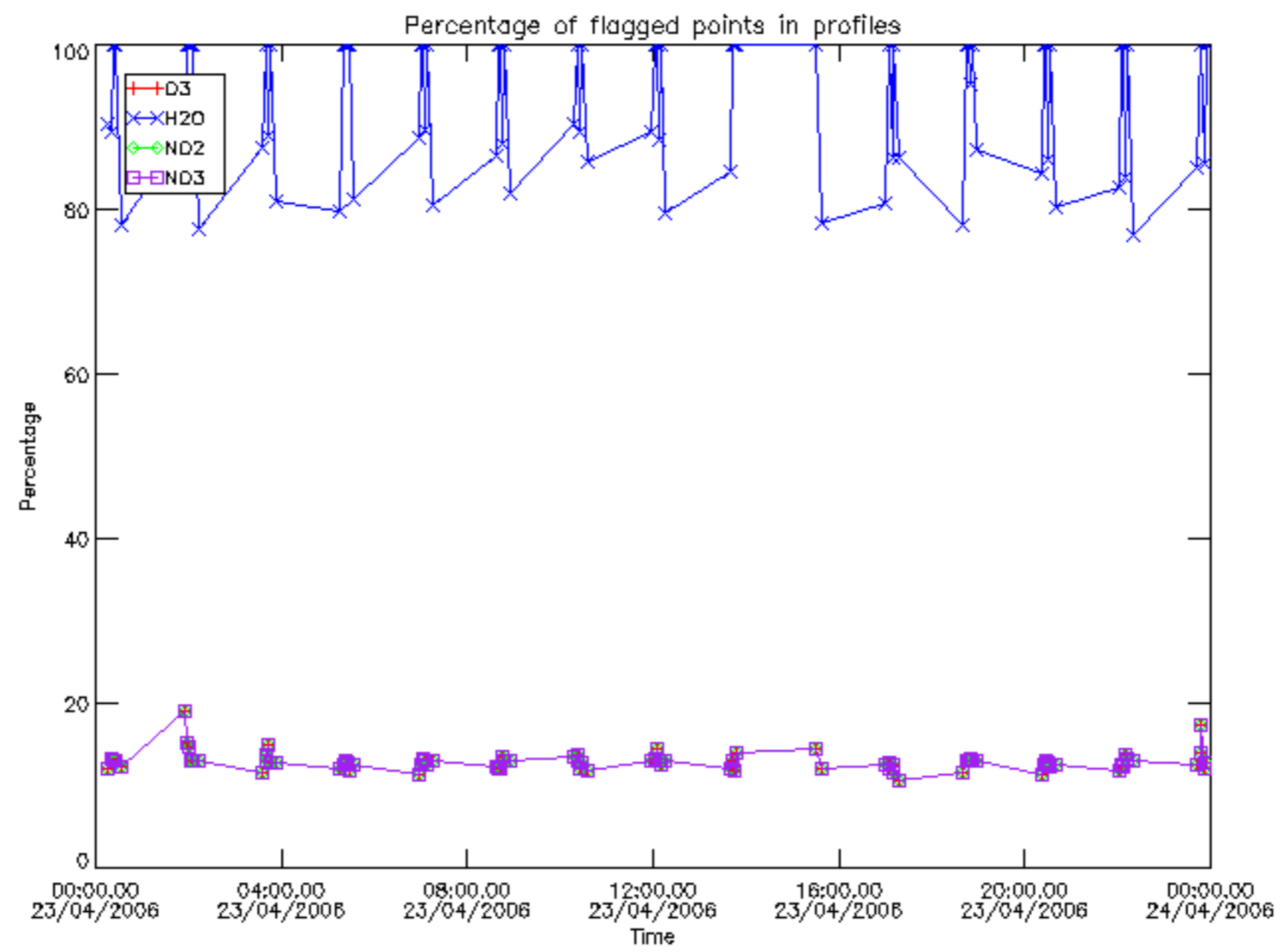




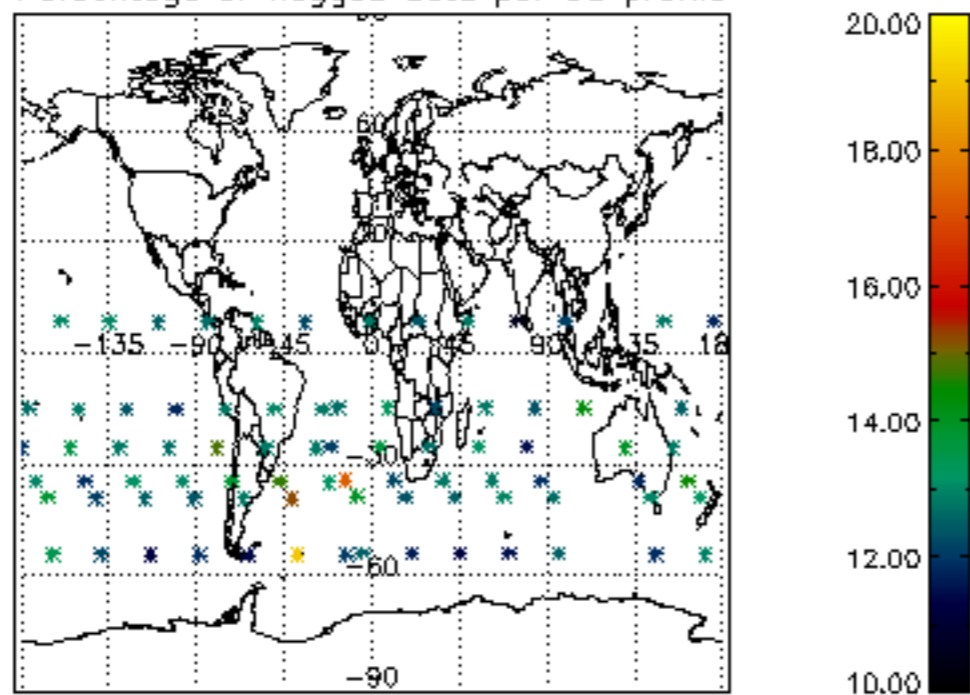




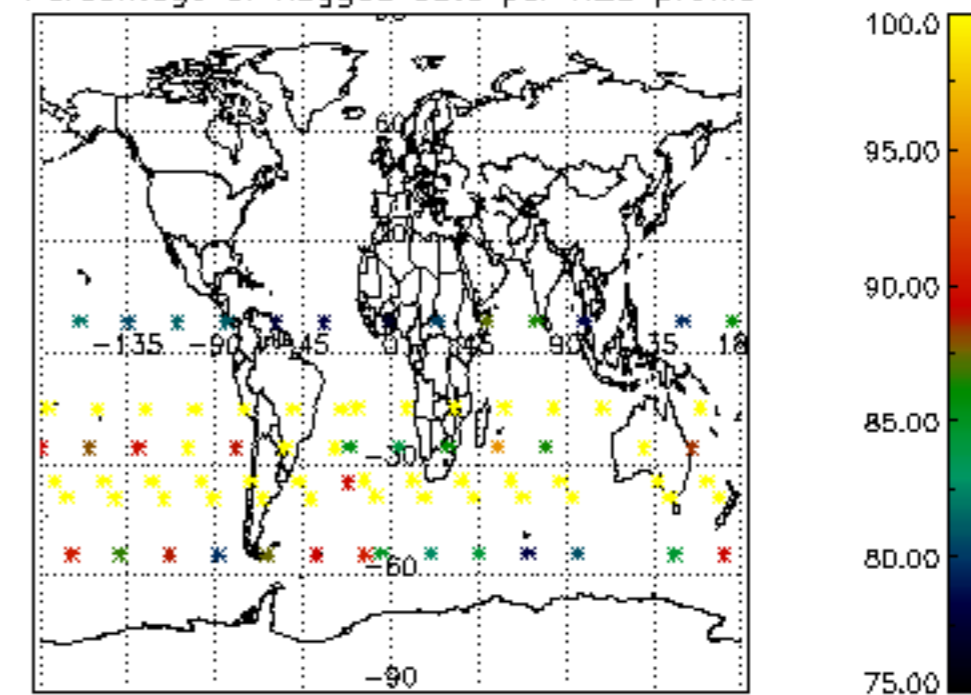




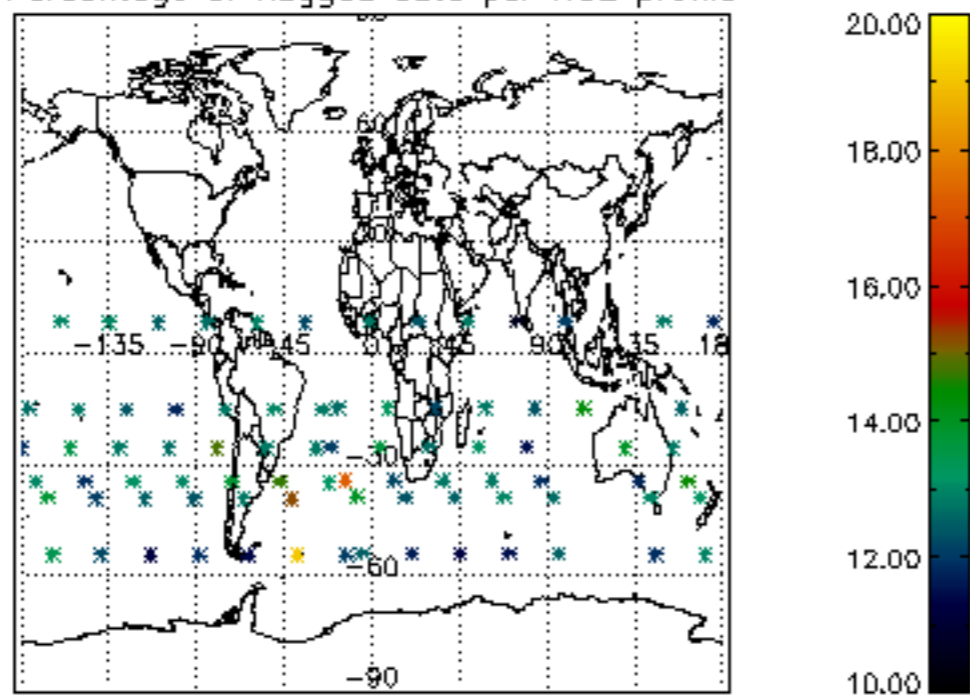
Percentage of flagged data per D3 profile



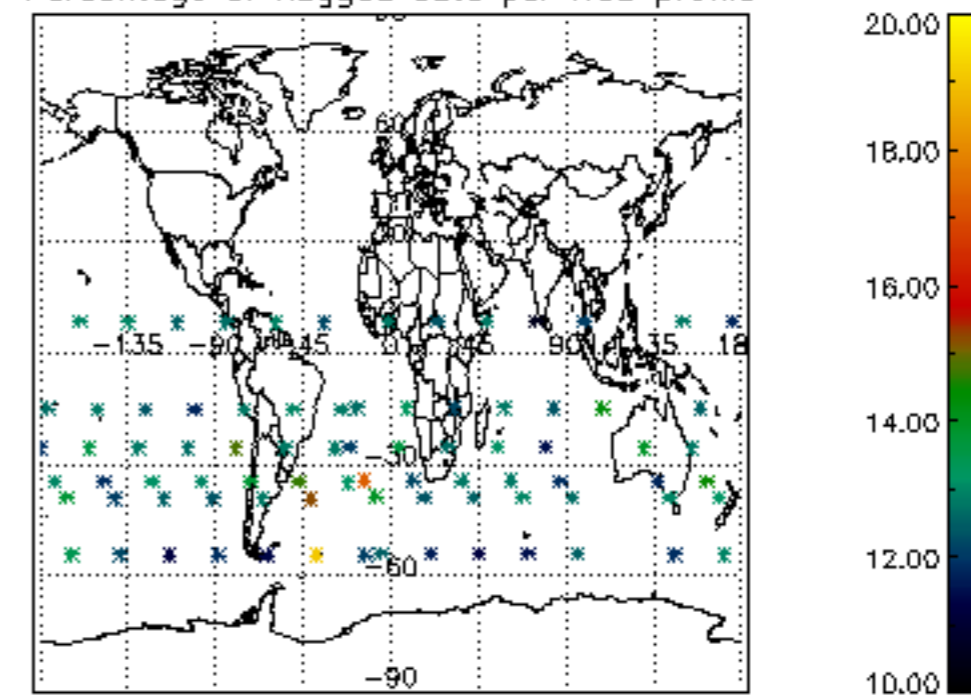
Percentage of flagged data per H2O profile

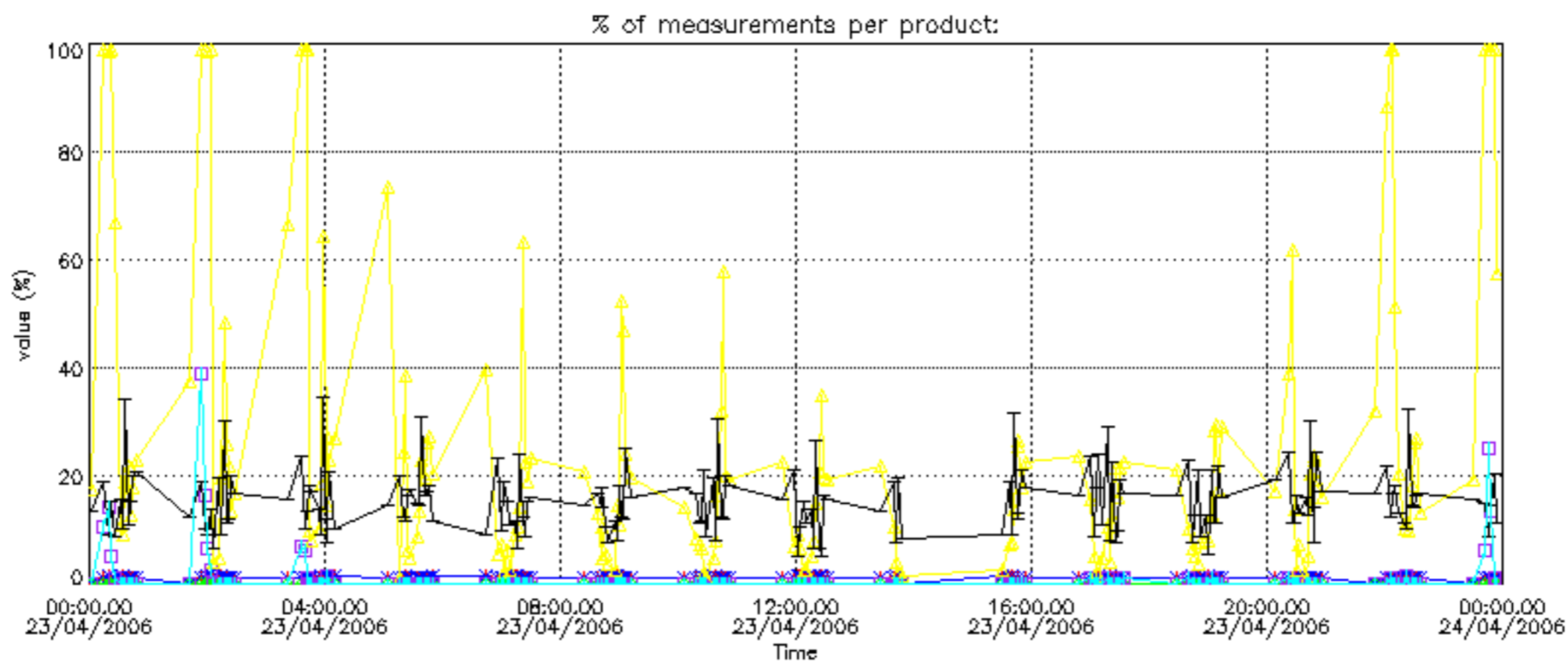
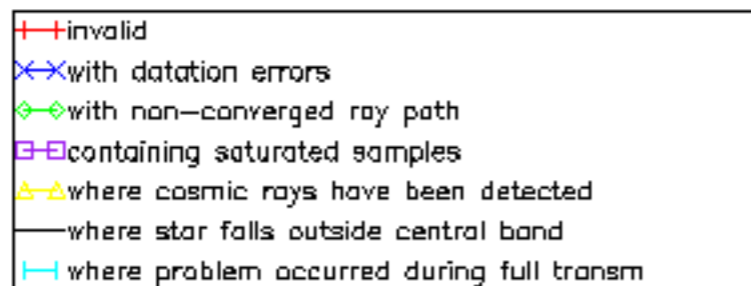


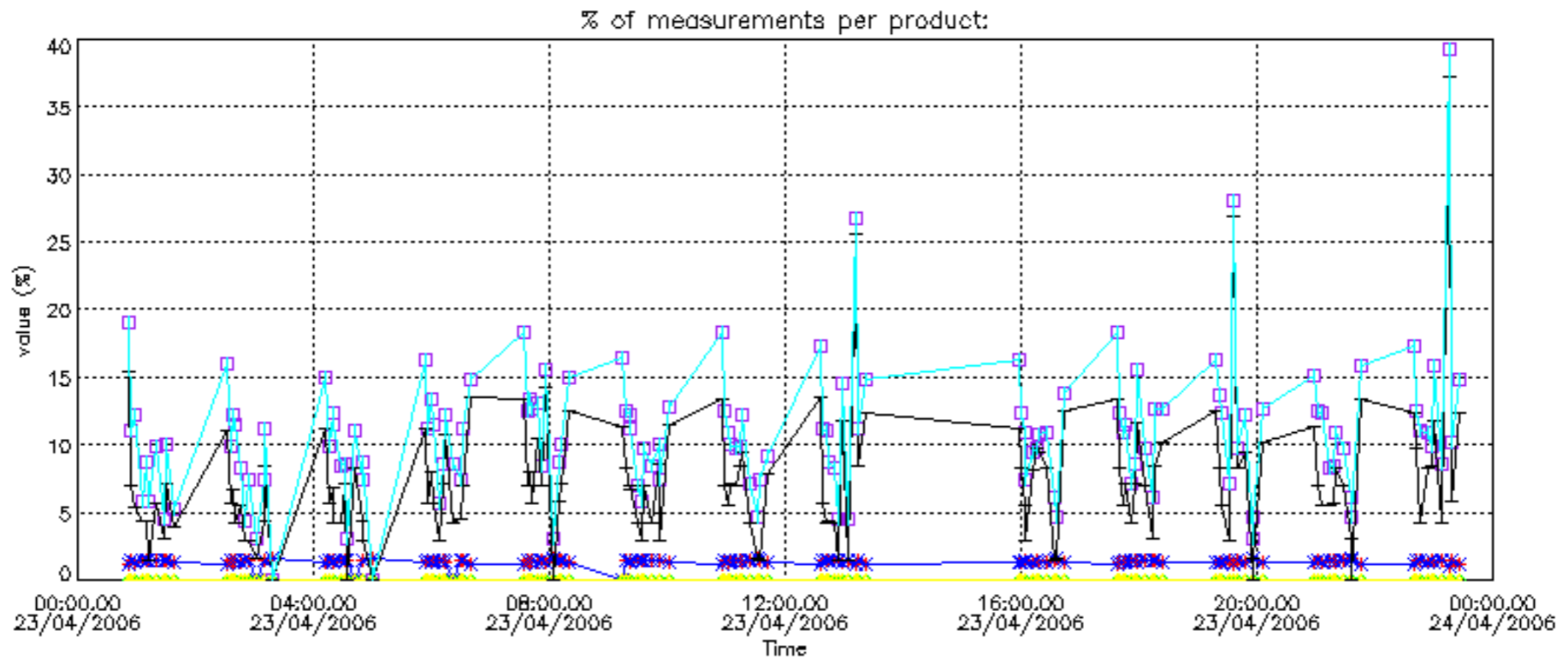
Percentage of flagged data per NO2 profile



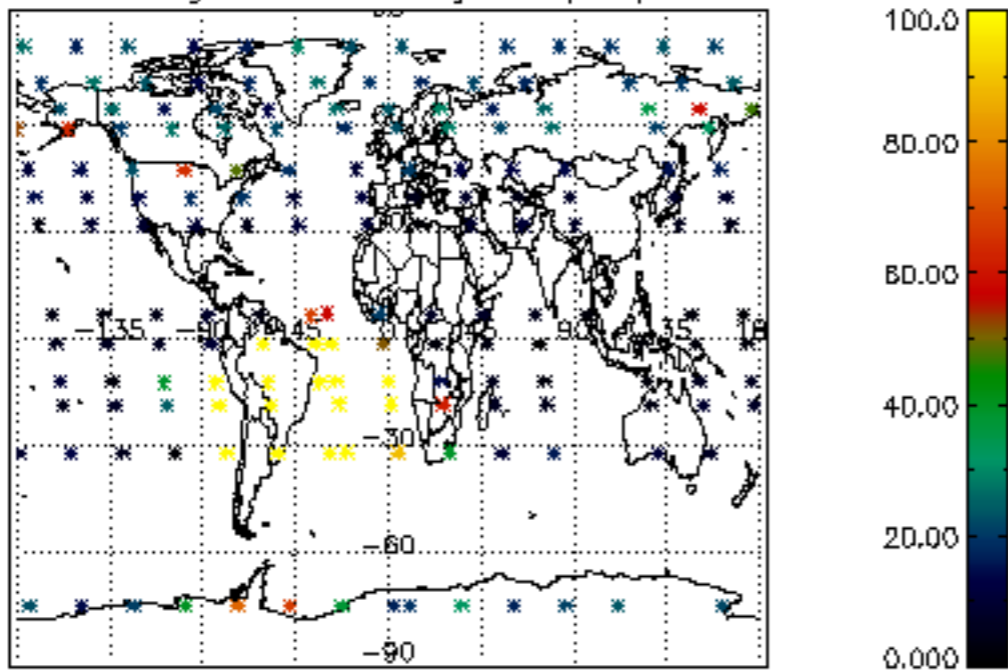
Percentage of flagged data per NO3 profile



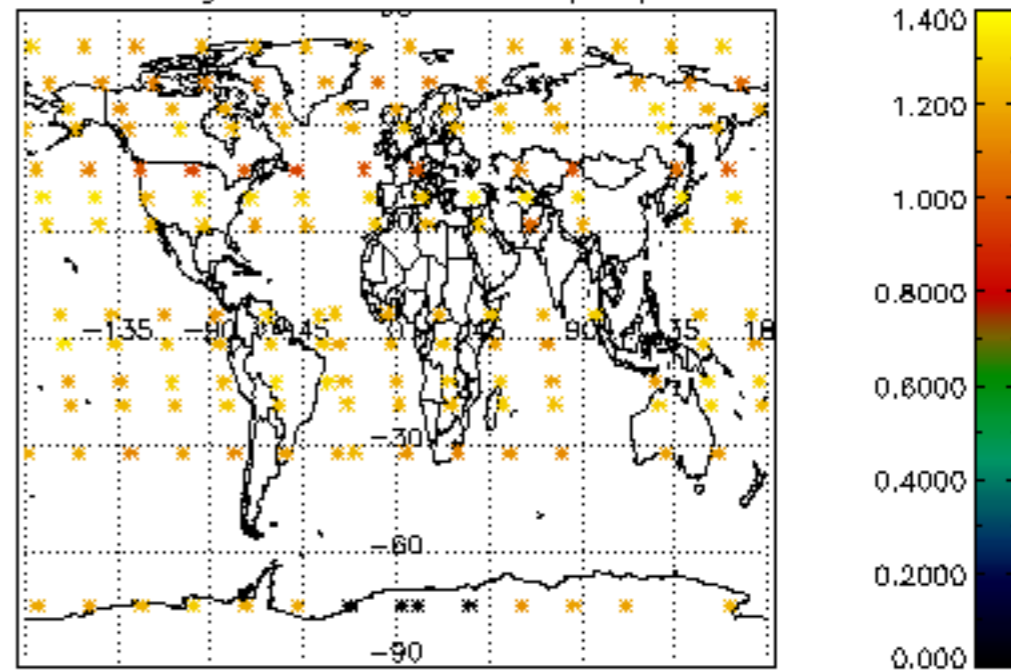




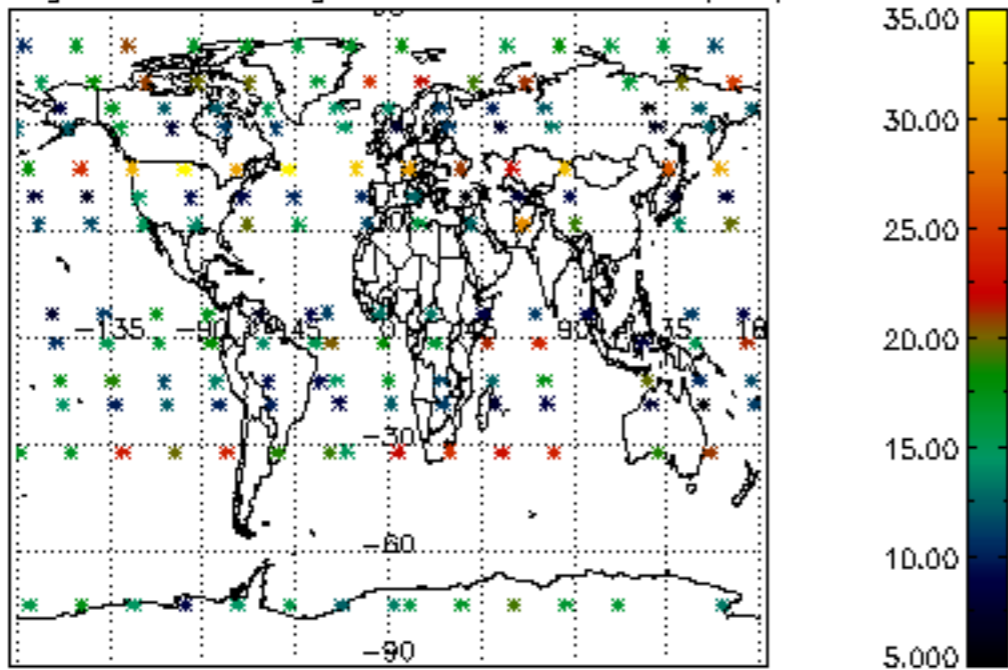
Percentage of cosmic ray hits per profile



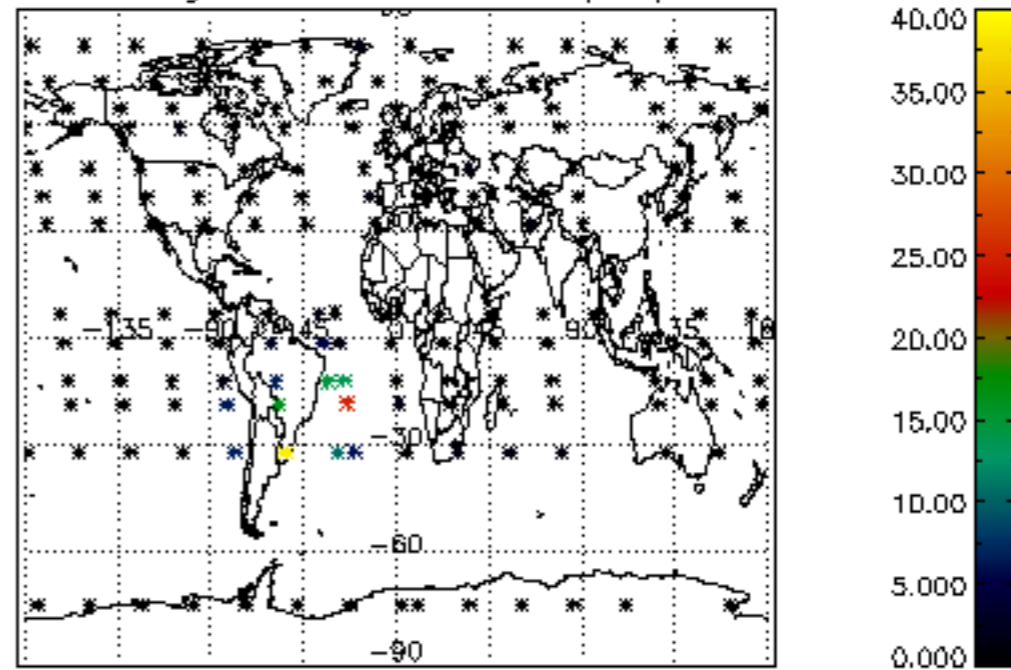
Percentage of datation errors per profile



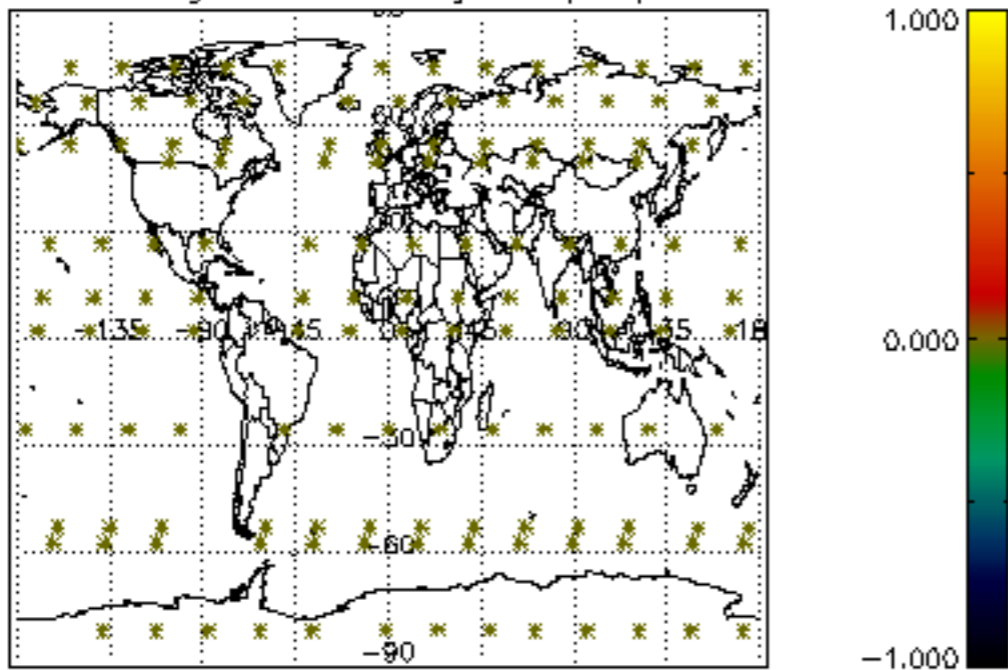
Percentage of star falling outside central band per profile



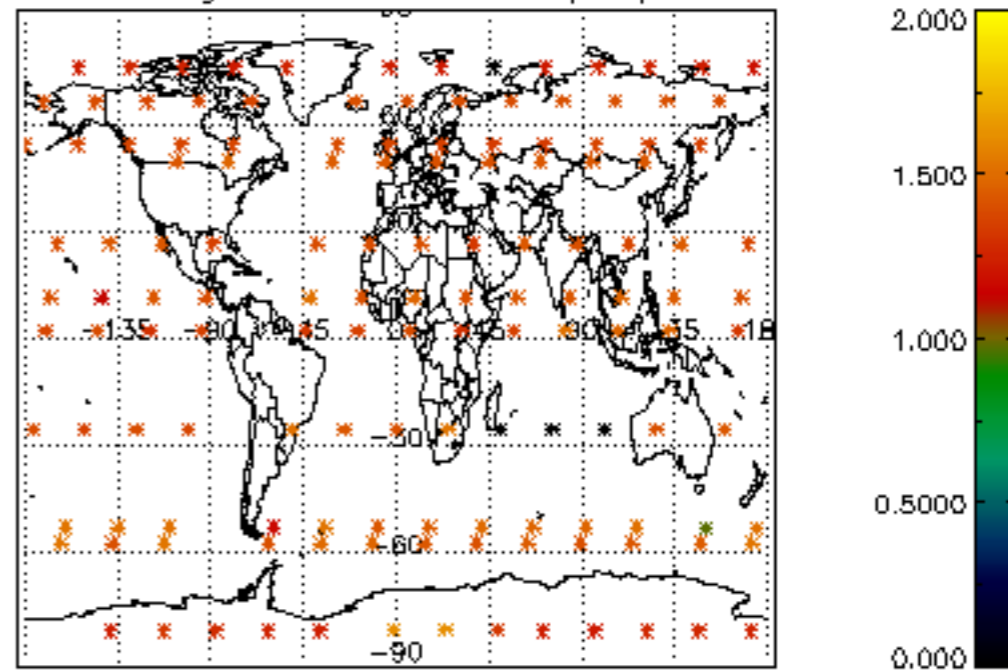
Percentage of saturation errors per profile



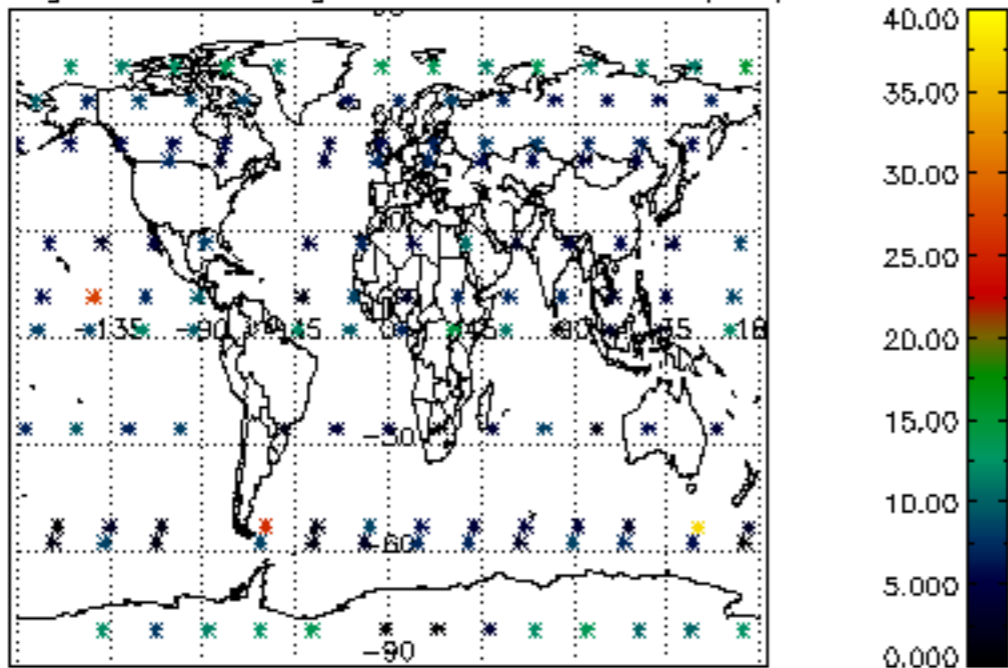
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

