

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Item	Value
Time of report generation	18APR2013 18:19:00
Data source version	GOMOS/6.01
Start time of products	27-01-2004 (27JAN2004 00:00:00)
Stop time of products	28-01-2004 (28JAN2004 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	379
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

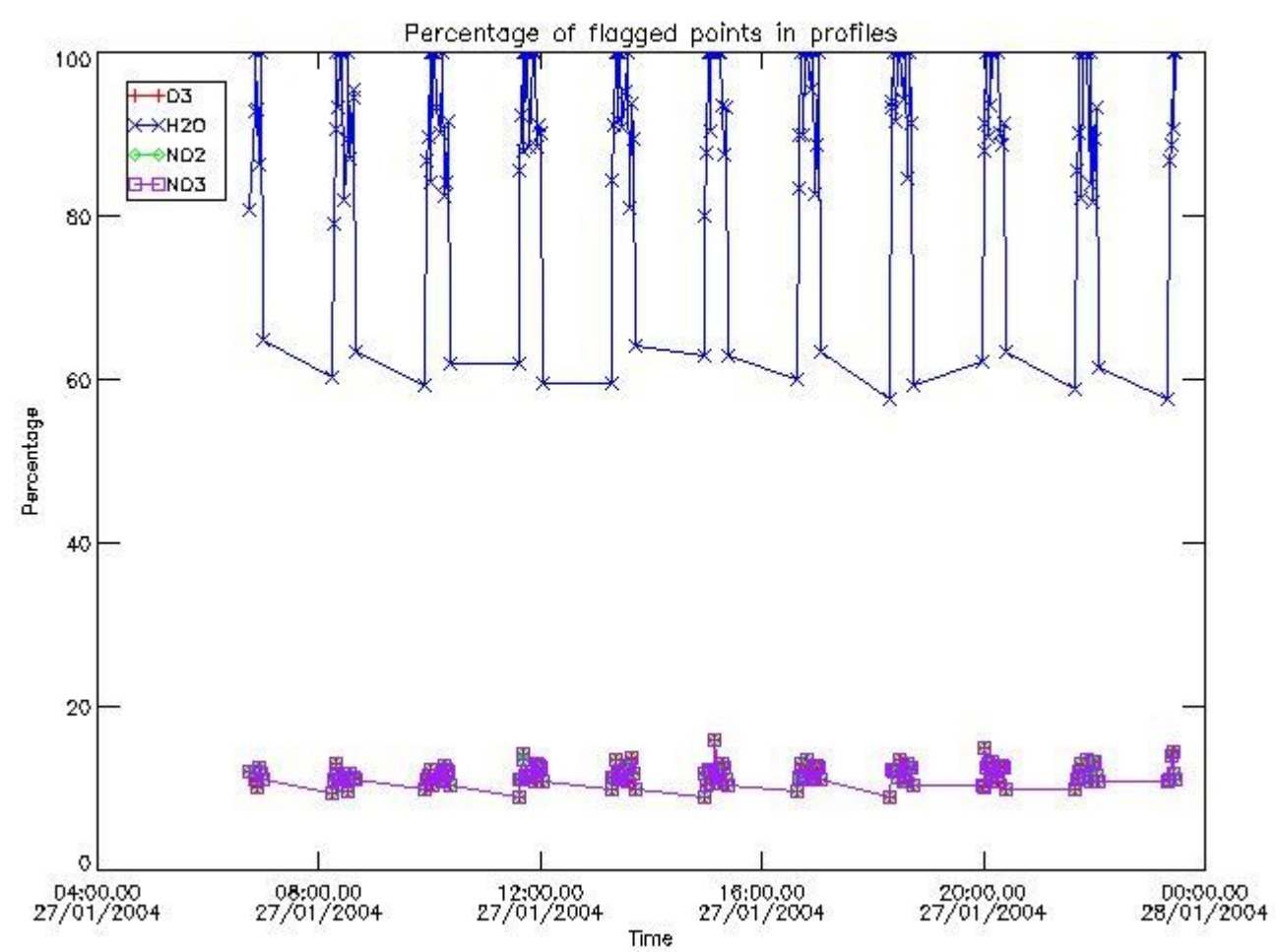
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20040127_064517_000000552023_00407_09980_1142.N1	27-JAN-2004 06:45:17	Dark	55.000	4	Alp1Cen	-0.010000	5800.0	110	9980	No
2	GOM_NL__2PRFIN20040127_064952_000000422023_00407_09980_1143.N1	27-JAN-2004 06:49:52	Dark	42.000	12	Alp1Cru	0.77500	30000.	84	9980	No
3	GOM_NL__2PRFIN20040127_065134_000000462023_00407_09980_1144.N1	27-JAN-2004 06:51:34	Dark	45.500	99	Del Cen	2.5750	26000.	91	9980	No
4	GOM_NL__2PRFIN20040127_065344_000000512023_00407_09980_1145.N1	27-JAN-2004 06:53:44	Dark	50.500	29	Bet Car	1.6720	10200.	101	9980	No
5	GOM_NL__2PRFIN20040127_065600_000000412023_00407_09980_1146.N1	27-JAN-2004 06:56:00	Dark	40.500	71	lot Car	2.2460	7700.0	81	9980	No
6	GOM_NL__2PRFIN20040127_065747_000000432023_00407_09980_1147.N1	27-JAN-2004 06:57:47	Dark	43.000	46	Del Vel	1.9540	10600.	86	9980	No
7	GOM_NL__2PRFIN20040127_070008_000000462023_00407_09980_1148.N1	27-JAN-2004 07:00:08	Dark	46.000	2	Alp Car	-0.73600	7000.0	92	9980	No
8	GOM_NL__2PRFIN20040127_070226_000000472023_00407_09980_1149.N1	27-JAN-2004 07:02:26	Straylight	47.000	70	Zet Pup	2.2460	39000.	94	9980	No
9	GOM_NL__2PRFIN20040127_070356_000000432023_00407_09980_1150.N1	27-JAN-2004 07:03:56	Straylight	42.500	117	Pi Pup	2.7060	3800.0	85	9980	No
10	GOM_NL__2PRFIN20040127_070623_000000432023_00407_09980_1151.N1	27-JAN-2004 07:06:23	Straylight	43.000	23	21Eps CMa	1.5020	26000.	86	9980	No
11	GOM_NL__2PRFIN20040127_070746_000000402023_00407_09980_1152.N1	27-JAN-2004 07:07:46	Straylight	40.000	179	24Omi2CMa	3.0320	24000.	80	9980	No
12	GOM_NL__2PRFIN20040127_070955_000000462023_00407_09980_1153.N1	27-JAN-2004 07:09:55	Straylight	45.500	1	9Alp CMa	-1.4400	11000.	91	9980	No
13	GOM_NL__2PRFIN20040127_071156_000000682023_00407_09980_1154.N1	27-JAN-2004 07:11:56	Straylight	67.500	48	30Alp Hya	1.9770	4100.0	135	9980	No
14	GOM_NL__2PRFIN20040127_071557_000000552023_00407_09980_1155.N1	27-JAN-2004 07:15:57	Twilight_and_stray	55.000	8	10Alp CMi	0.40000	6500.0	110	9980	No
15	GOM_NL__2PRFIN20040127_071913_000000412023_00407_09980_1156.N1	27-JAN-2004 07:19:13	Bright	41.000	44	24Gam Gem	1.9280	11000.	82	9980	No
16	GOM_NL__2PRFIN20040127_072100_000000412023_00407_09980_1157.N1	27-JAN-2004 07:21:00	Bright	40.500	151	13Mu Gem	2.8900	3000.0	81	9980	No
17	GOM_NL__2PRFIN20040127_072250_000000452023_00407_09980_1158.N1	27-JAN-2004 07:22:50	Bright	44.500	17	78Bet Gem	1.1610	4500.0	89	9980	No
18	GOM_NL__2PRFIN20040127_072515_000000382023_00407_09980_1159.N1	27-JAN-2004 07:25:15	Bright	38.000	107	37The Aur	2.6490	11000.	76	9980	No
19	GOM_NL__2PRFIN20040127_072722_000000392023_00407_09980_1160.N1	27-JAN-2004 07:27:22	Bright	38.500	42	34Bet Aur	1.9000	10200.	77	9980	No
20	GOM_NL__2PRFIN20040127_073819_000000452023_00407_09980_1161.N1	27-JAN-2004 07:38:19	Bright	44.500	36	50Alp UMa	1.8000	6300.0	89	9980	No
21	GOM_NL__2PRFIN20040127_074117_000000572023_00407_09980_1162.N1	27-JAN-2004 07:41:17	Bright	57.000	87	64Gam UMa	2.4330	11000.	114	9980	No
22	GOM_NL__2PRFIN20040127_074313_000000422023_00407_09980_1163.N1	27-JAN-2004 07:43:13	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	9980	No
23	GOM_NL__2PRFIN20040127_074532_000000392023_00407_09980_1164.N1	27-JAN-2004 07:45:32	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	9980	No
24	GOM_NL__2PRFIN20040127_074750_000000412023_00407_09980_1165.N1	27-JAN-2004 07:47:50	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	9980	No
25	GOM_NL__2PRFIN20040127_075049_000000402023_00407_09980_1166.N1	27-JAN-2004 07:50:49	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	9980	No
26	GOM_NL__2PRFIN20040127_075416_000000372023_00407_09980_1167.N1	27-JAN-2004 07:54:16	Bright	36.500	5	3Alp Lyr	0.033000	11000.	73	9980	No
27	GOM_NL__2PRFIN20040127_075719_000000412023_00407_09980_1168.N1	27-JAN-2004 07:57:19	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	9980	No
28	GOM_NL__2PRFIN20040127_080053_000000782023_00407_09980_1169.N1	27-JAN-2004 08:00:53	Bright	77.500	83		2.3780	11000.	155	9980	No
29	GOM_NL__2PRFIN20040127_080426_000000382023_00407_09980_1170.N1	27-JAN-2004 08:04:26	Bright	38.000	126	60Bet Oph	2.7700	4250.0	76	9980	No
30	GOM_NL__2PRFIN20040127_080715_000000632023_00407_09980_1171.N1	27-JAN-2004 08:07:15	Twilight_and_stray	63.000	102	24Alp Ser	2.6000	4250.0	126	9980	No
31	GOM_NL__2PRFIN20040127_080908_000000522023_00407_09980_1172.N1	27-JAN-2004 08:09:08	Twilight_and_stray	51.500	120	1Del Oph	2.7340	3200.0	103	9980	No
32	GOM_NL__2PRFIN20040127_081043_000000462023_00407_09980_1173.N1	27-JAN-2004 08:10:43	Twilight_and_stray	45.500	86	35Eta Oph	2.4300	10200.	91	9980	No
33	GOM_NL__2PRFIN20040127_081447_000000552023_00407_09980_1174.N1	27-JAN-2004 08:14:47	Dark	54.500	16	21Alp Sco	1.0200	3000.0	109	9980	No
34	GOM_NL__2PRFIN20040127_081608_000000462023_00407_09980_1175.N1	27-JAN-2004 08:16:08	Dark	46.000	75	26Eps Sco	2.2910	4250.0	92	9980	No
35	GOM_NL__2PRFIN20040127_081726_000000442023_00407_09980_1176.N1	27-JAN-2004 08:17:26	Dark	43.500	40	The Sco	1.8590	7100.0	87	9980	No
36	GOM_NL__2PRFIN20040127_081923_000000392023_00407_09980_1177.N1	27-JAN-2004 08:19:23	Dark	39.000	147	Alp Ara	2.8770	26000.	78	9980	No
37	GOM_NL__2PRFIN20040127_082058_000000462023_00407_09980_1178.N1	27-JAN-2004 08:20:58	Dark	45.500	141	Bet Ara	2.8400	4600.0	91	9980	No
38	GOM_NL__2PRFIN20040127_082230_000000462023_00407_09980_1179.N1	27-JAN-2004 08:22:30	Dark	45.500	109	Bet Lup	2.6770	26000.	91	9980	No
39	GOM_NL__2PRFIN20040127_082356_000000492023_00408_09981_1145.N1	27-JAN-2004 08:23:56	Dark	49.000	78	Alp Lup	2.3040	28000.	98	9981	No
40	GOM_NL__2PRFIN20040127_082554_000000452023_00408_09981_1146.N1	27-JAN-2004 08:25:54	Dark	45.000	4	Alp1Cen	-0.010000	5800.0	90	9981	No
41	GOM_NL__2PRFIN20040127_083029_000000532023_00408_09981_1147.N1	27-JAN-2004 08:30:29	Dark	52.500	12	Alp1Cru	0.77500	30000.	105	9981	No
42	GOM_NL__2PRFIN20040127_083210_000000472023_00408_09981_1148.N1	27-JAN-2004 08:32:10	Dark	47.000	99	Del Cen	2.5750	26000.	94	9981	No

338	GOM_NL__2PRFIN20040127_214100_000000462023_00415_09988_1180.N1	27-JAN-2004 21:41:00	Dark	45.500	75	26Eps Sco	2.2910	4250.0	91	9988	No
339	GOM_NL__2PRFIN20040127_214218_000000462023_00415_09988_1181.N1	27-JAN-2004 21:42:18	Dark	46.000	40	The Sco	1.8590	7100.0	92	9988	No
340	GOM_NL__2PRFIN20040127_214412_000000432023_00415_09988_1182.N1	27-JAN-2004 21:44:12	Dark	42.500	147	Alp Ara	2.8770	26000.	85	9988	No
341	GOM_NL__2PRFIN20040127_214547_000000402023_00415_09988_1183.N1	27-JAN-2004 21:45:47	Dark	39.500	141	Bet Ara	2.8400	4600.0	79	9988	No
342	GOM_NL__2PRFIN20040127_214726_000000452023_00415_09988_1184.N1	27-JAN-2004 21:47:26	Dark	45.000	109	Bet Lup	2.6770	26000.	90	9988	No
343	GOM_NL__2PRFIN20040127_214852_000000452023_00416_09989_1149.N1	27-JAN-2004 21:48:52	Dark	45.000	78	Alp Lup	2.3040	28000.	90	9989	No
344	GOM_NL__2PRFIN20040127_215100_000000382023_00416_09989_1150.N1	27-JAN-2004 21:51:00	Dark	37.500	145	Gam TrA	2.8720	10600.	75	9989	No
345	GOM_NL__2PRFIN20040127_215521_000000442023_00416_09989_1151.N1	27-JAN-2004 21:55:21	Dark	44.000	12	Alp1Cru	0.77500	30000.	88	9989	No
346	GOM_NL__2PRFIN20040127_215705_000000472023_00416_09989_1152.N1	27-JAN-2004 21:57:05	Dark	46.500	99	Del Cen	2.5750	26000.	93	9989	No
347	GOM_NL__2PRFIN20040127_215913_000000392023_00416_09989_1153.N1	27-JAN-2004 21:59:13	Dark	38.500	29	Bet Car	1.6720	10200.	77	9989	No
348	GOM_NL__2PRFIN20040127_220128_000000392023_00416_09989_1154.N1	27-JAN-2004 22:01:28	Dark	38.500	71	lot Car	2.2460	7700.0	77	9989	No
349	GOM_NL__2PRFIN20040127_220315_000000452023_00416_09989_1155.N1	27-JAN-2004 22:03:15	Dark	44.500	46	Del Vel	1.9540	10600.	89	9989	No
350	GOM_NL__2PRFIN20040127_220534_000000472023_00416_09989_1156.N1	27-JAN-2004 22:05:34	Dark	47.000	2	Alp Car	-0.73600	7000.0	94	9989	No
351	GOM_NL__2PRFIN20040127_220755_000000422023_00416_09989_1157.N1	27-JAN-2004 22:07:55	Straylight	42.000	70	Zet Pup	2.2460	39000.	84	9989	No
352	GOM_NL__2PRFIN20040127_220923_000000422023_00416_09989_1158.N1	27-JAN-2004 22:09:23	Straylight	41.500	117	Pi Pup	2.7060	3800.0	83	9989	No
353	GOM_NL__2PRFIN20040127_221149_000000432023_00416_09989_1159.N1	27-JAN-2004 22:11:49	Straylight	42.500	23	21Eps CMa	1.5020	26000.	85	9989	No
354	GOM_NL__2PRFIN20040127_221312_000000382023_00416_09989_1160.N1	27-JAN-2004 22:13:12	Straylight	38.000	179	24Omi2CMa	3.0320	24000.	76	9989	No
355	GOM_NL__2PRFIN20040127_221522_000000452023_00416_09989_1161.N1	27-JAN-2004 22:15:22	Straylight	45.000	1	9Alp CMa	-1.4400	11000.	90	9989	No
356	GOM_NL__2PRFIN20040127_221719_000000662023_00416_09989_1162.N1	27-JAN-2004 22:17:19	Straylight	66.000	48	30Alp Hya	1.9770	4100.0	132	9989	No
357	GOM_NL__2PRFIN20040127_222120_000000472023_00416_09989_1163.N1	27-JAN-2004 22:21:20	Tw_i_and_stray	47.000	8	10Alp CMi	0.40000	6500.0	94	9989	No
358	GOM_NL__2PRFIN20040127_222438_000000392023_00416_09989_1164.N1	27-JAN-2004 22:24:38	Bright	39.000	44	24Gam Gem	1.9280	11000.	78	9989	No
359	GOM_NL__2PRFIN20040127_222626_000000392023_00416_09989_1165.N1	27-JAN-2004 22:26:26	Bright	39.000	151	13Mu Gem	2.8900	3000.0	78	9989	No
360	GOM_NL__2PRFIN20040127_222813_000000432023_00416_09989_1166.N1	27-JAN-2004 22:28:13	Bright	43.000	17	78Bet Gem	1.1610	4500.0	86	9989	No
361	GOM_NL__2PRFIN20040127_223041_000000372023_00416_09989_1167.N1	27-JAN-2004 22:30:41	Bright	37.000	107	37The Aur	2.6490	11000.	74	9989	No
362	GOM_NL__2PRFIN20040127_223248_000000382023_00416_09989_1168.N1	27-JAN-2004 22:32:48	Bright	37.500	42	34Bet Aur	1.9000	10200.	75	9989	No
363	GOM_NL__2PRFIN20040127_224337_000000442023_00416_09989_1169.N1	27-JAN-2004 22:43:37	Bright	44.000	36	50Alp UMa	1.8000	6300.0	88	9989	No
364	GOM_NL__2PRFIN20040127_224631_000000552023_00416_09989_1170.N1	27-JAN-2004 22:46:31	Bright	54.500	87	64Gam UMa	2.4330	11000.	109	9989	No
365	GOM_NL__2PRFIN20040127_224835_000000412023_00416_09989_1171.N1	27-JAN-2004 22:48:35	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	9989	No
366	GOM_NL__2PRFIN20040127_225059_000000372023_00416_09989_1172.N1	27-JAN-2004 22:50:59	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	9989	No
367	GOM_NL__2PRFIN20040127_225313_000000412023_00416_09989_1173.N1	27-JAN-2004 22:53:13	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	9989	No
368	GOM_NL__2PRFIN20040127_225612_000000382023_00416_09989_1174.N1	27-JAN-2004 22:56:12	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	9989	No
369	GOM_NL__2PRFIN20040127_225942_000000352023_00416_09989_1175.N1	27-JAN-2004 22:59:42	Bright	34.500	5	3Alp Lyr	0.033000	11000.	69	9989	No
370	GOM_NL__2PRFIN20040127_230244_000000412023_00416_09989_1176.N1	27-JAN-2004 23:02:44	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	9989	No
371	GOM_NL__2PRFIN20040127_230621_000000772023_00416_09989_1177.N1	27-JAN-2004 23:06:21	Bright	77.000	83		2.3780	11000.	154	9989	No
372	GOM_NL__2PRFIN20040127_230953_000000372023_00416_09989_1178.N1	27-JAN-2004 23:09:53	Bright	37.000	126	60Bet Oph	2.7700	4250.0	74	9989	No
373	GOM_NL__2PRFIN20040127_231359_000002552023_00416_09989_1179.N1	27-JAN-2004 23:13:59	Straylight	255.00	3	16Alp Boo	-0.050000	4250.0	510	9989	No
374	GOM_NL__2PRFIN20040127_232017_000000562023_00416_09989_1180.N1	27-JAN-2004 23:20:17	Dark	56.000	16	21Alp Sco	1.0200	3000.0	112	9989	No
375	GOM_NL__2PRFIN20040127_232137_000000462023_00416_09989_1181.N1	27-JAN-2004 23:21:37	Dark	46.000	75	26Eps Sco	2.2910	4250.0	92	9989	No
376	GOM_NL__2PRFIN20040127_232255_000000402023_00416_09989_1182.N1	27-JAN-2004 23:22:55	Dark	40.000	40	The Sco	1.8590	7100.0	80	9989	No
377	GOM_NL__2PRFIN20040127_232449_000000392023_00416_09989_1183.N1	27-JAN-2004 23:24:49	Dark	38.500	147	Alp Ara	2.8770	26000.	77	9989	No
378	GOM_NL__2PRFIN20040127_232624_000000442023_00416_09989_1184.N1	27-JAN-2004 23:26:24	Dark	43.500	141	Bet Ara	2.8400	4600.0	87	9989	No
379	GOM_NL__2PRFIN20040127_232803_000000462023_00416_09989_1185.N1	27-JAN-2004 23:28:03	Dark	45.500	109	Bet Lup	2.6770	26000.	91	9989	No

3. Quality information per product

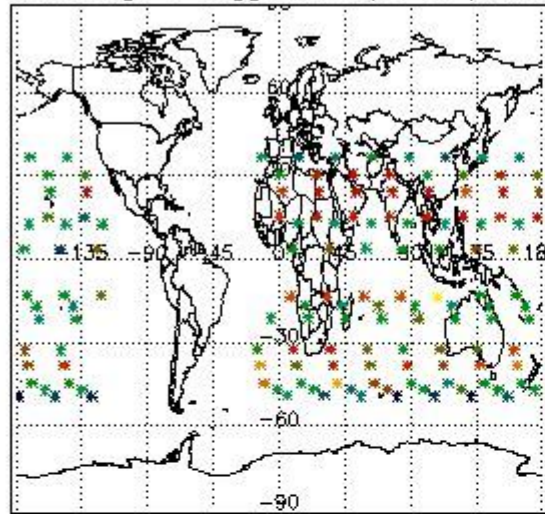
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

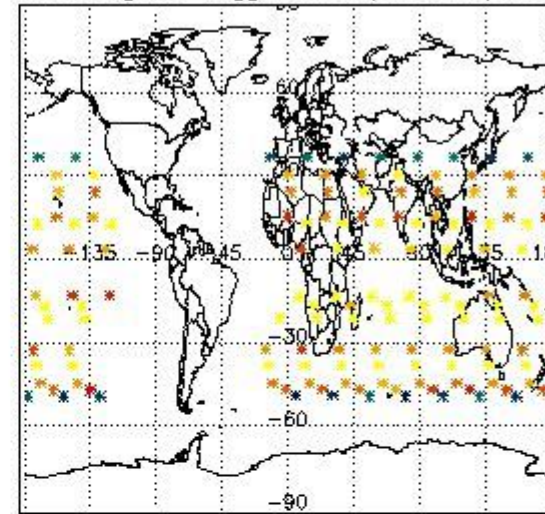


3.2 Plot quality information per product (world map)

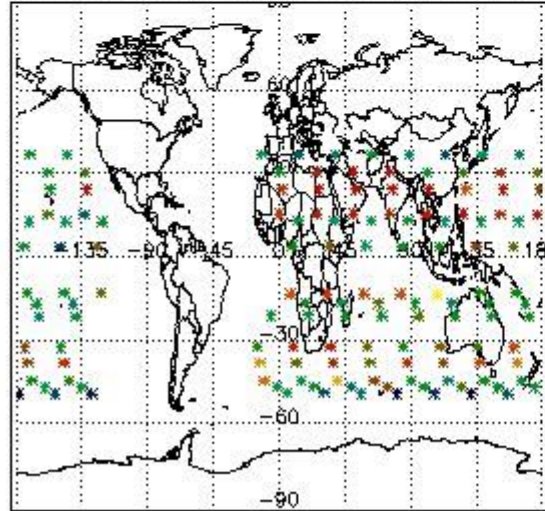
Percentage of flagged data per O3 profile



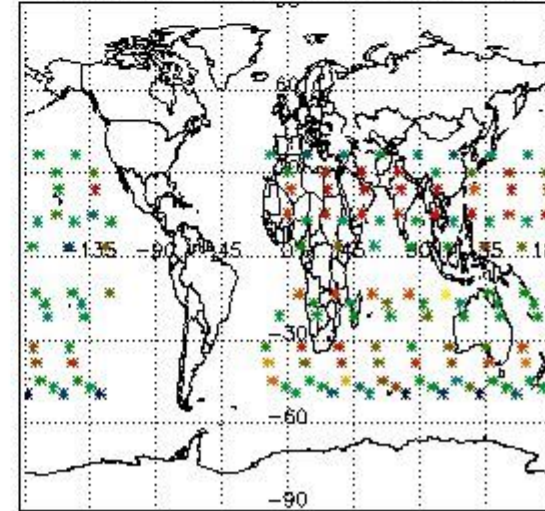
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

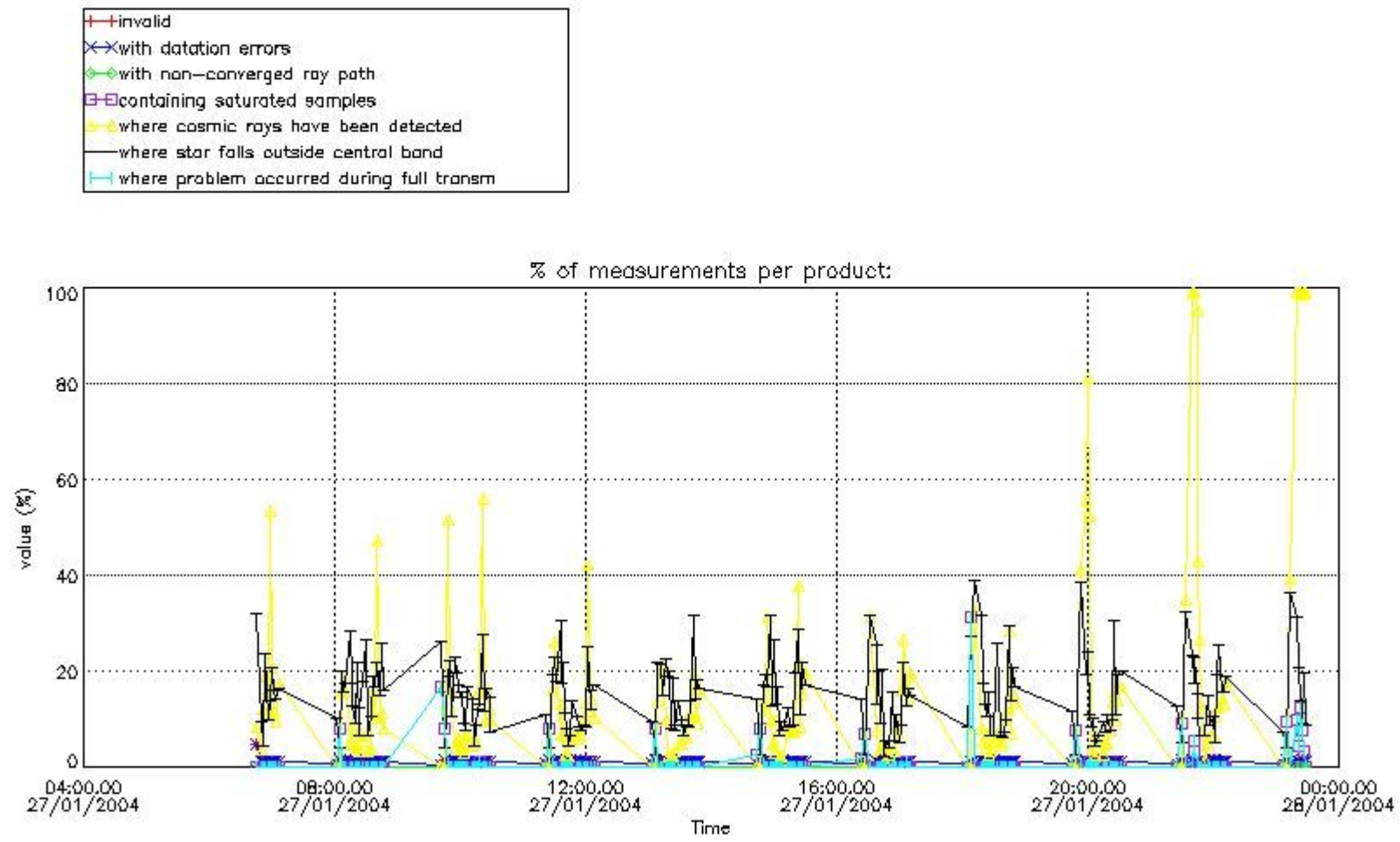


4. Level 1 quality information per product

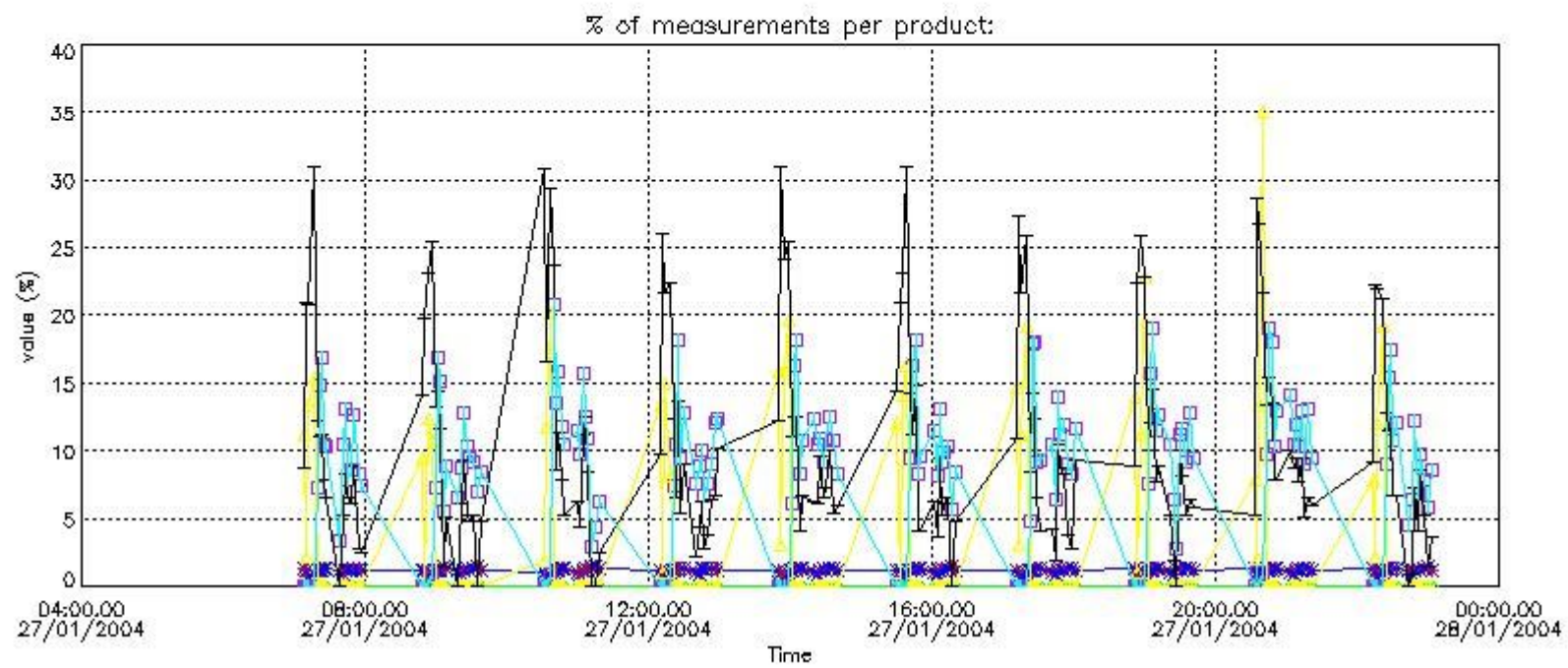
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

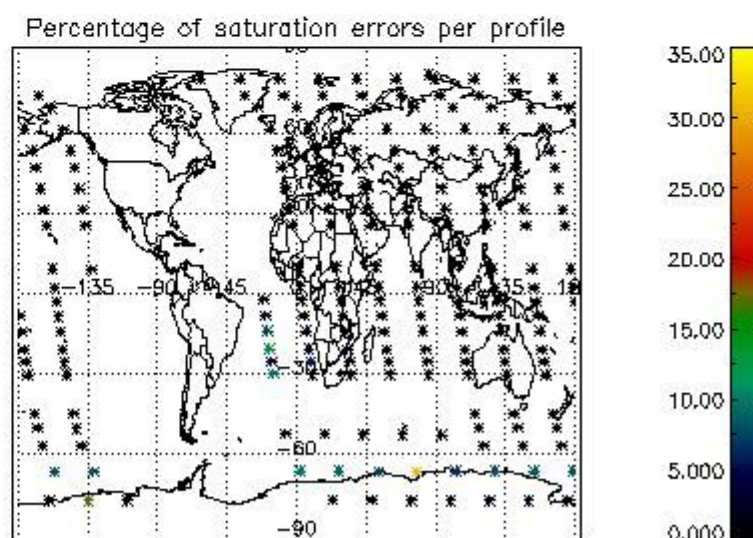
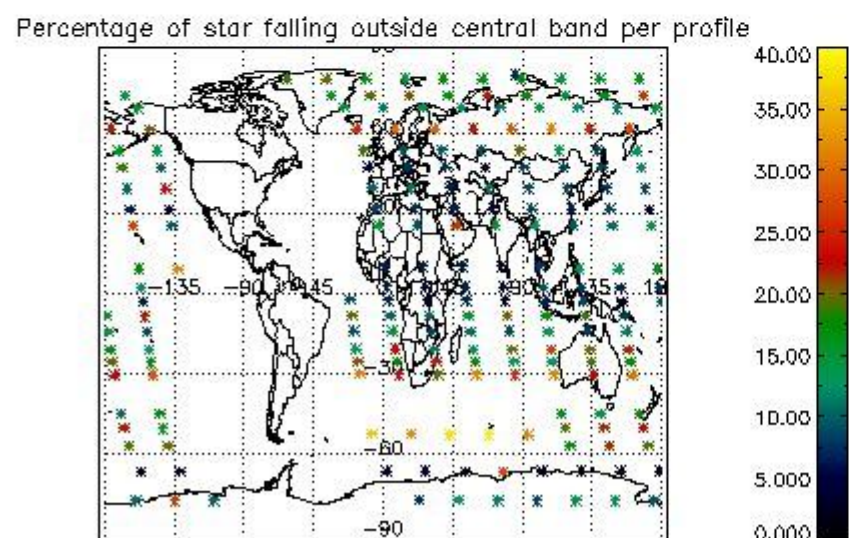
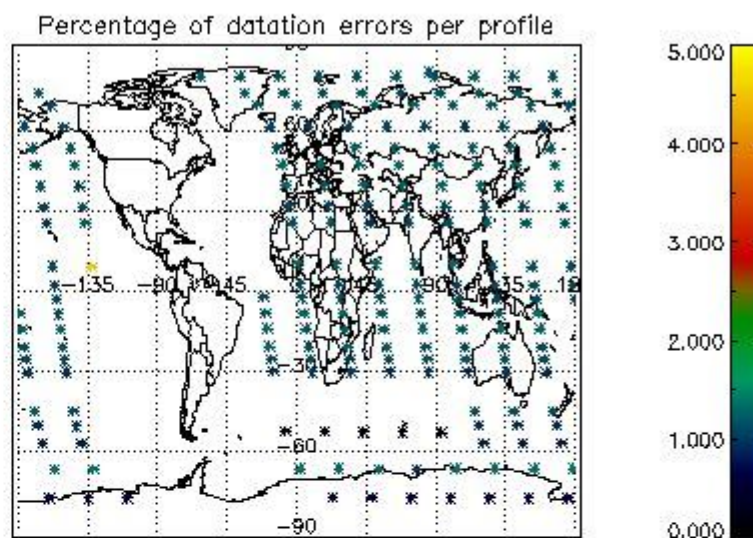
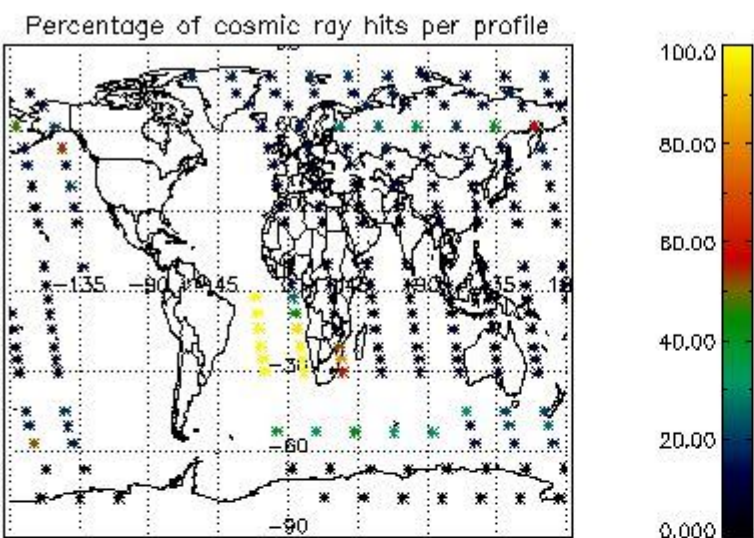


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



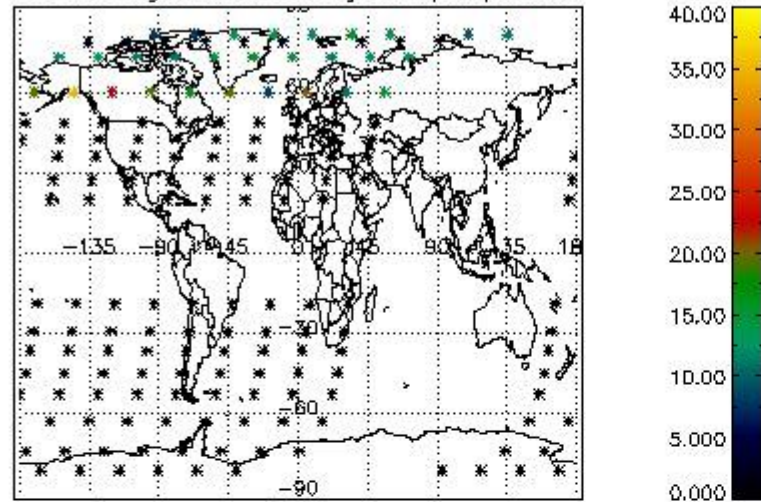
4.2 Plot quality information per product coming from level 1b processing (world map)

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

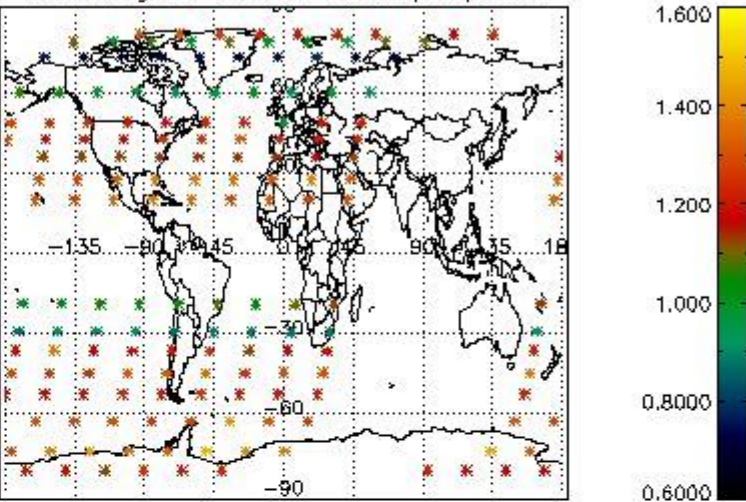


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

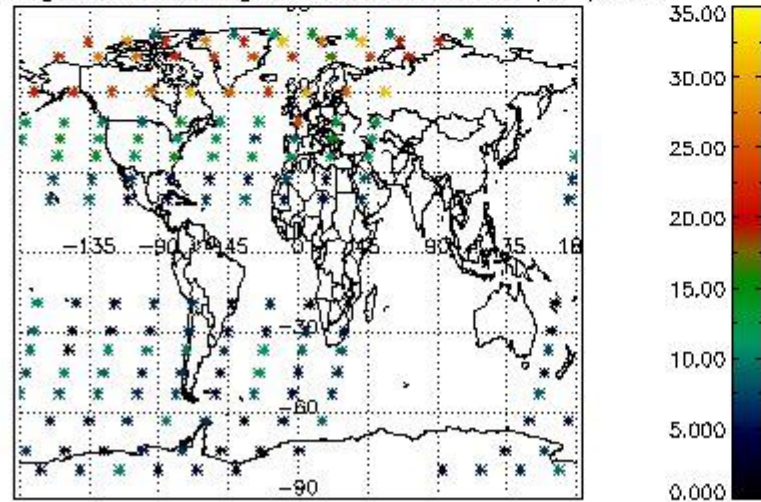
Percentage of cosmic ray hits per profile



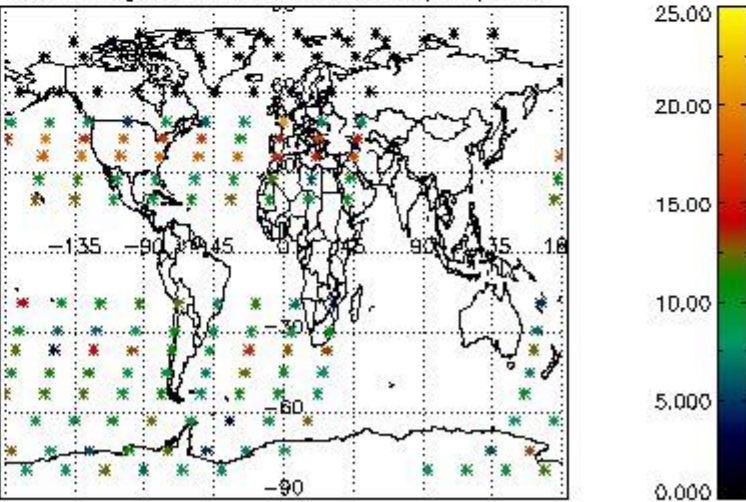
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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

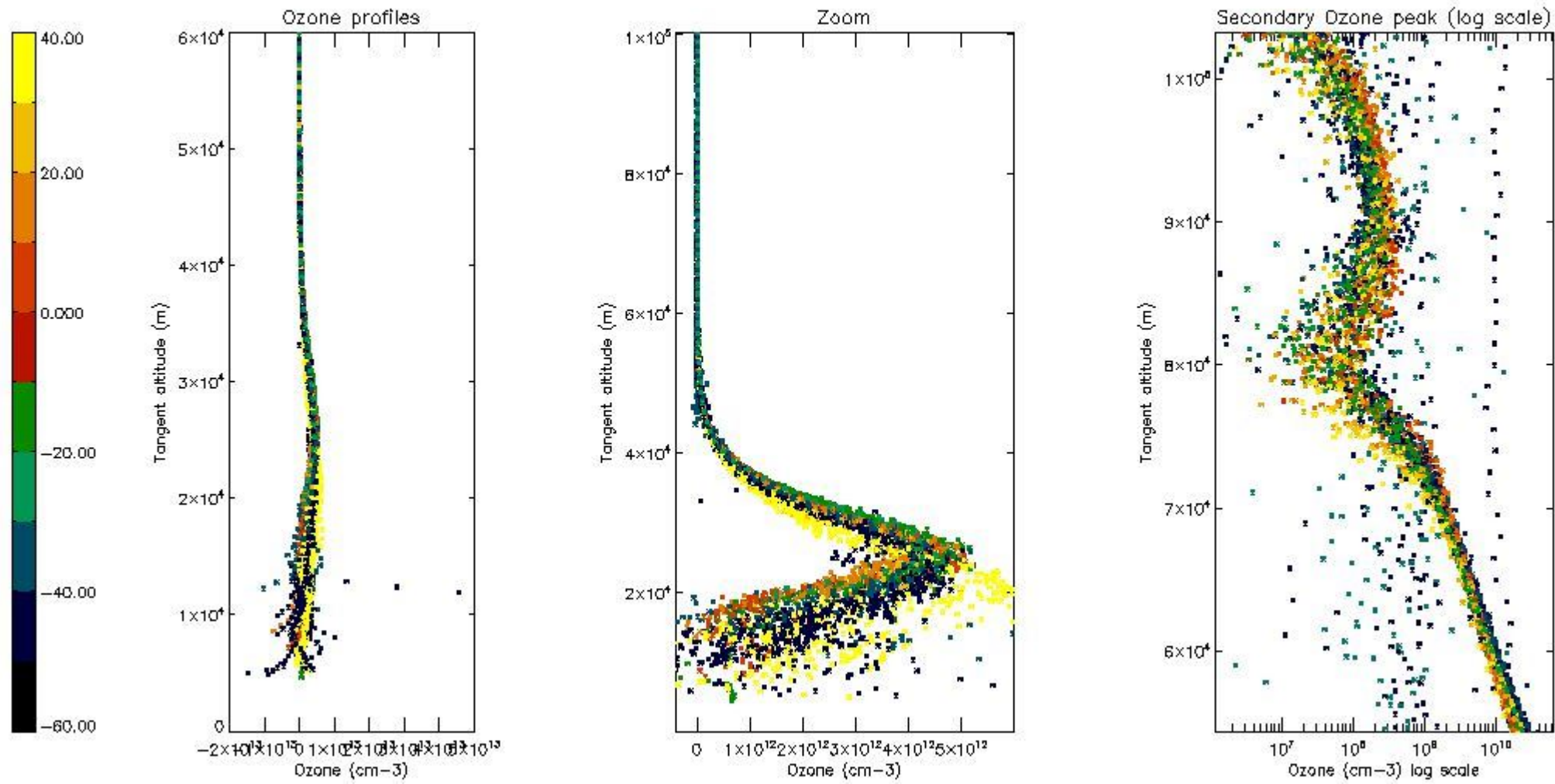
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	34
STD < 20	20

STD < 10	16
STD < 5	11

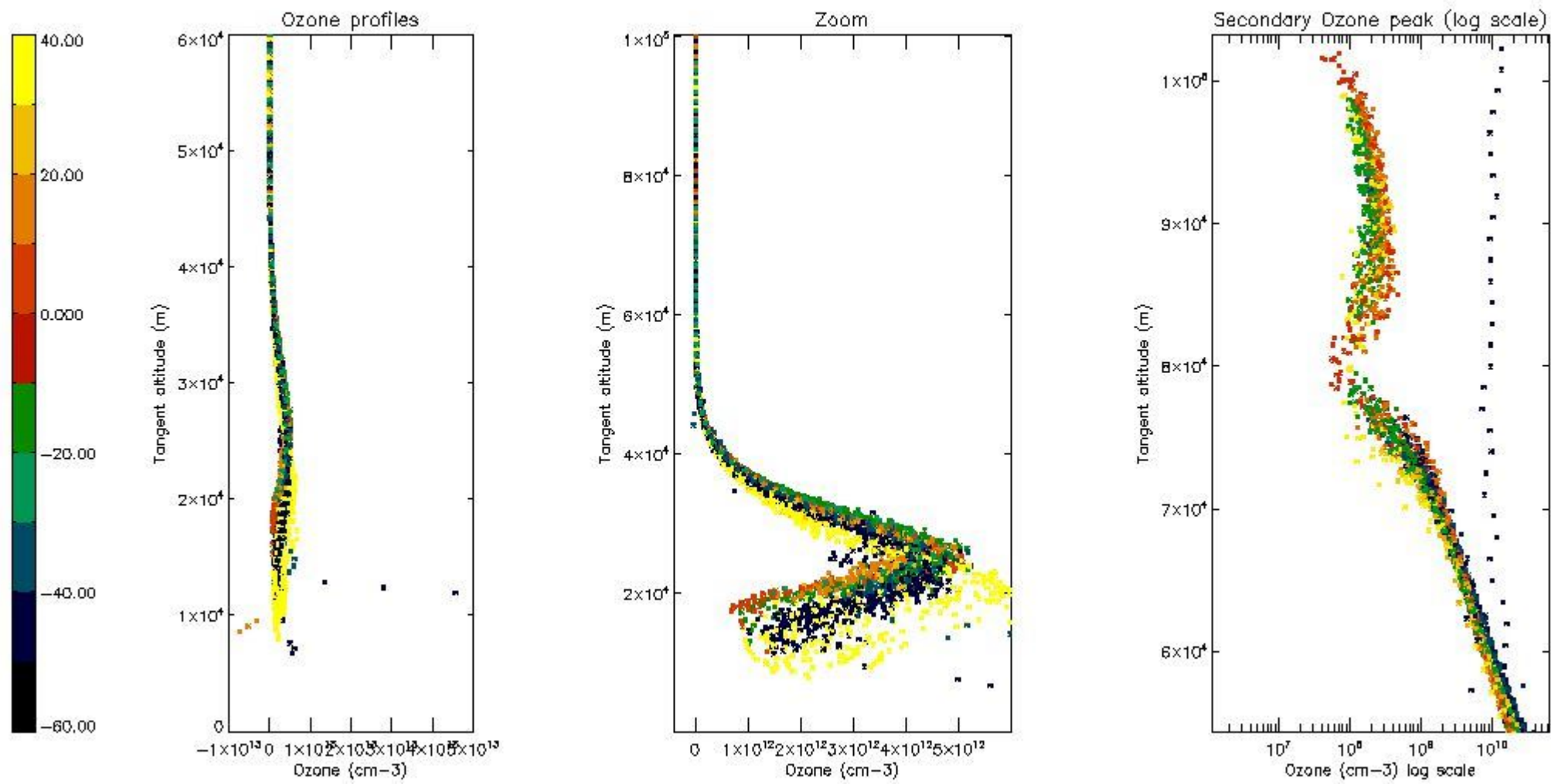
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



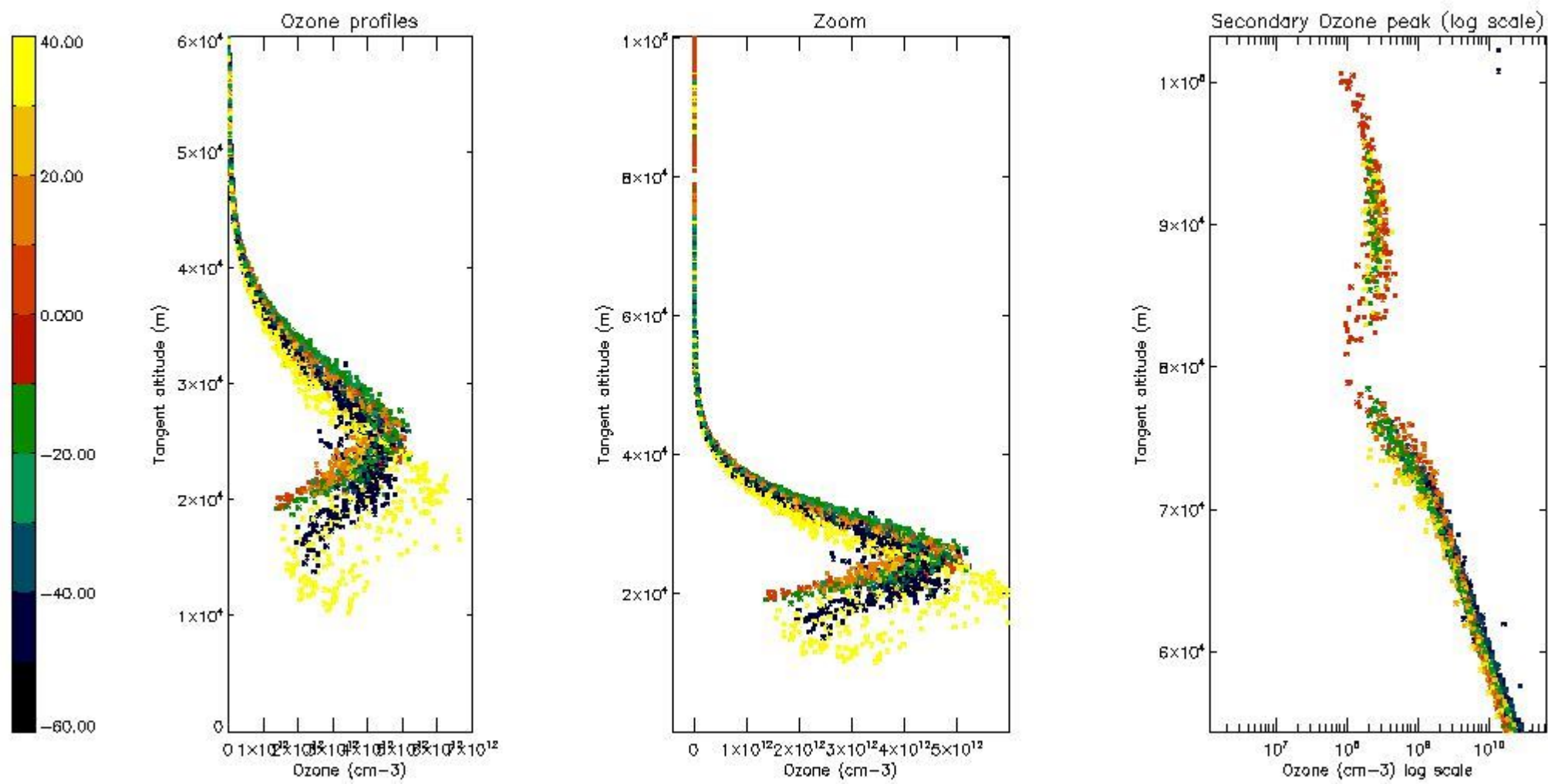
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



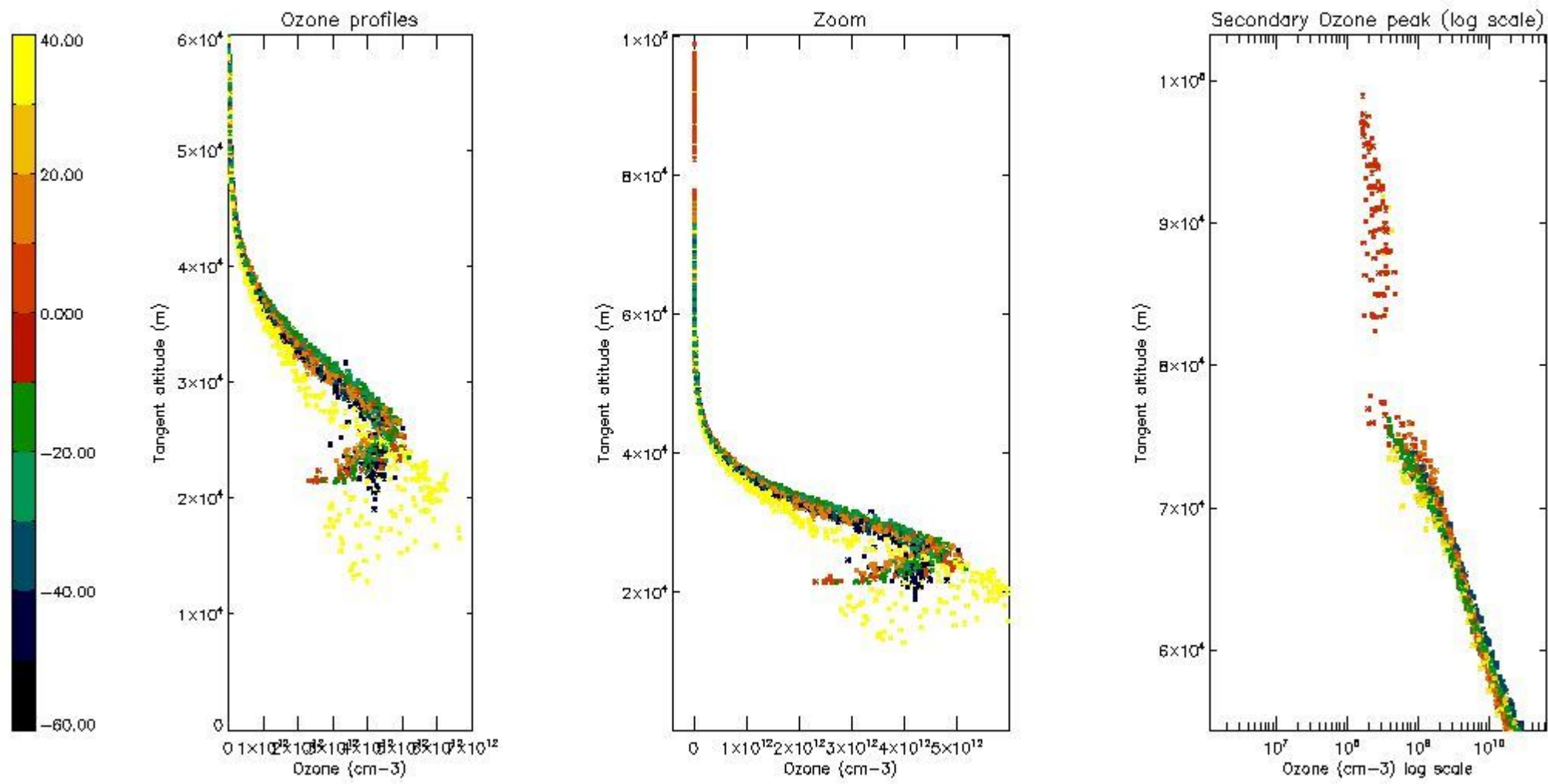
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



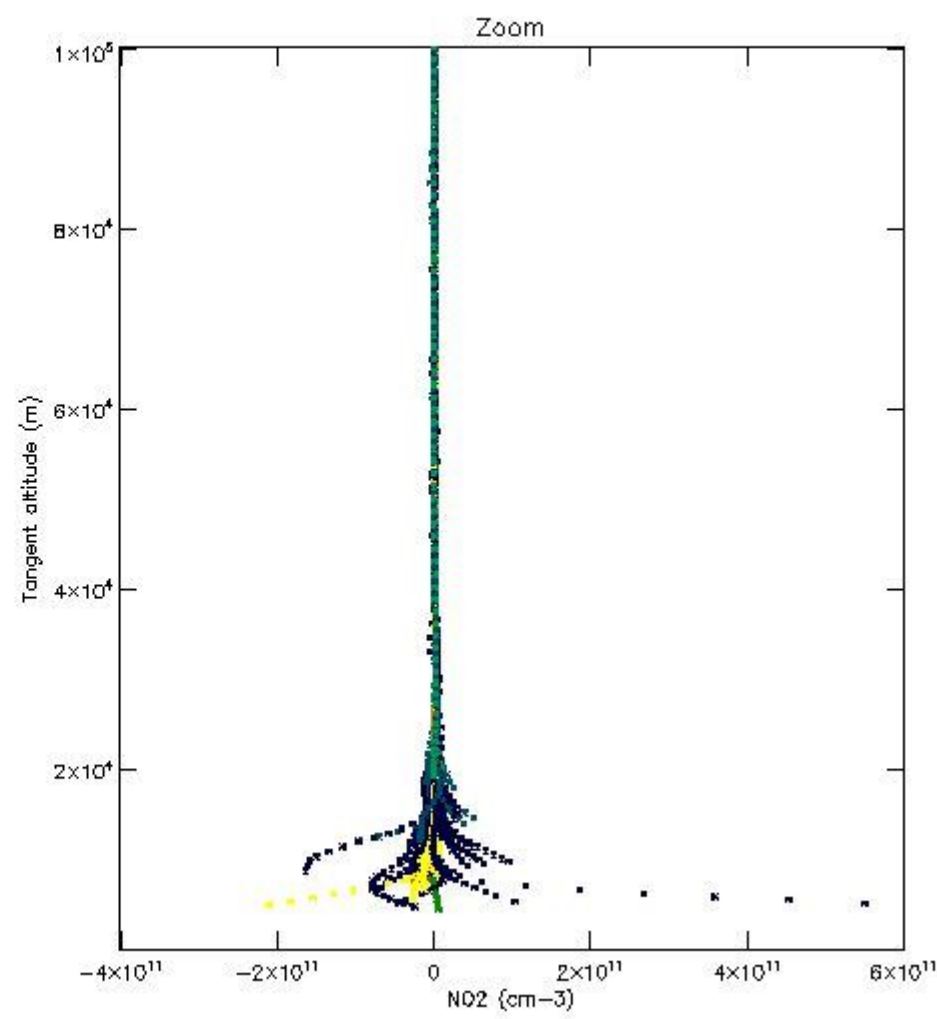
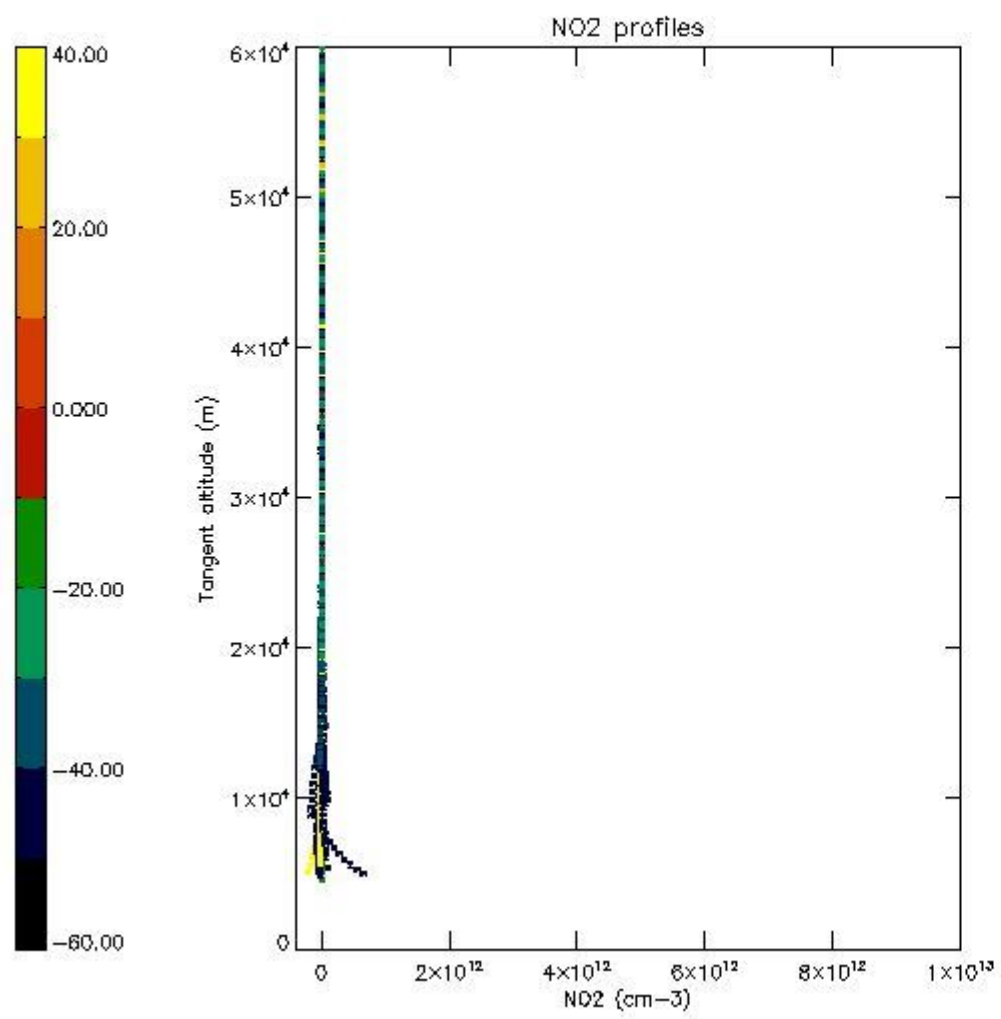
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



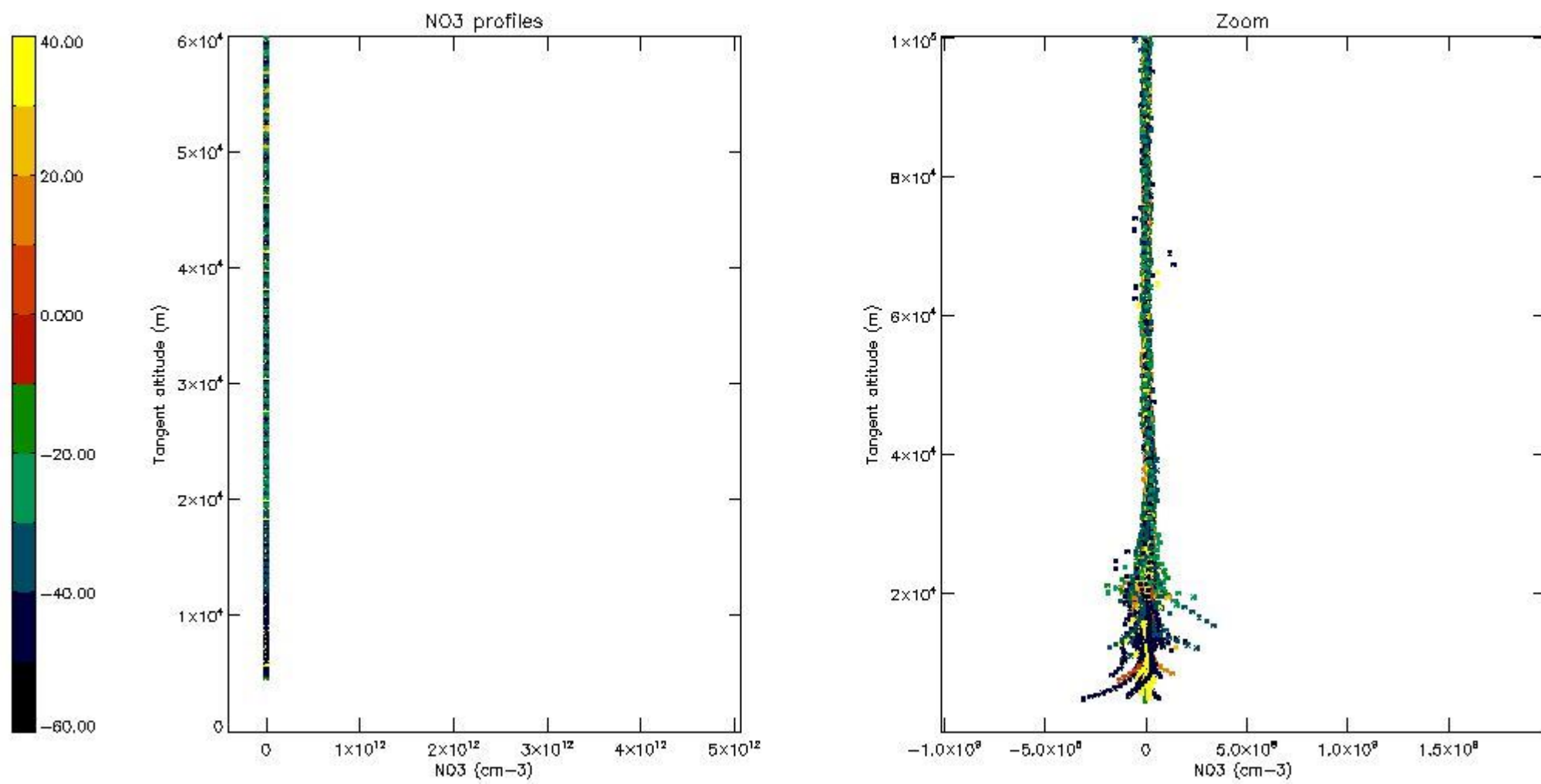
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



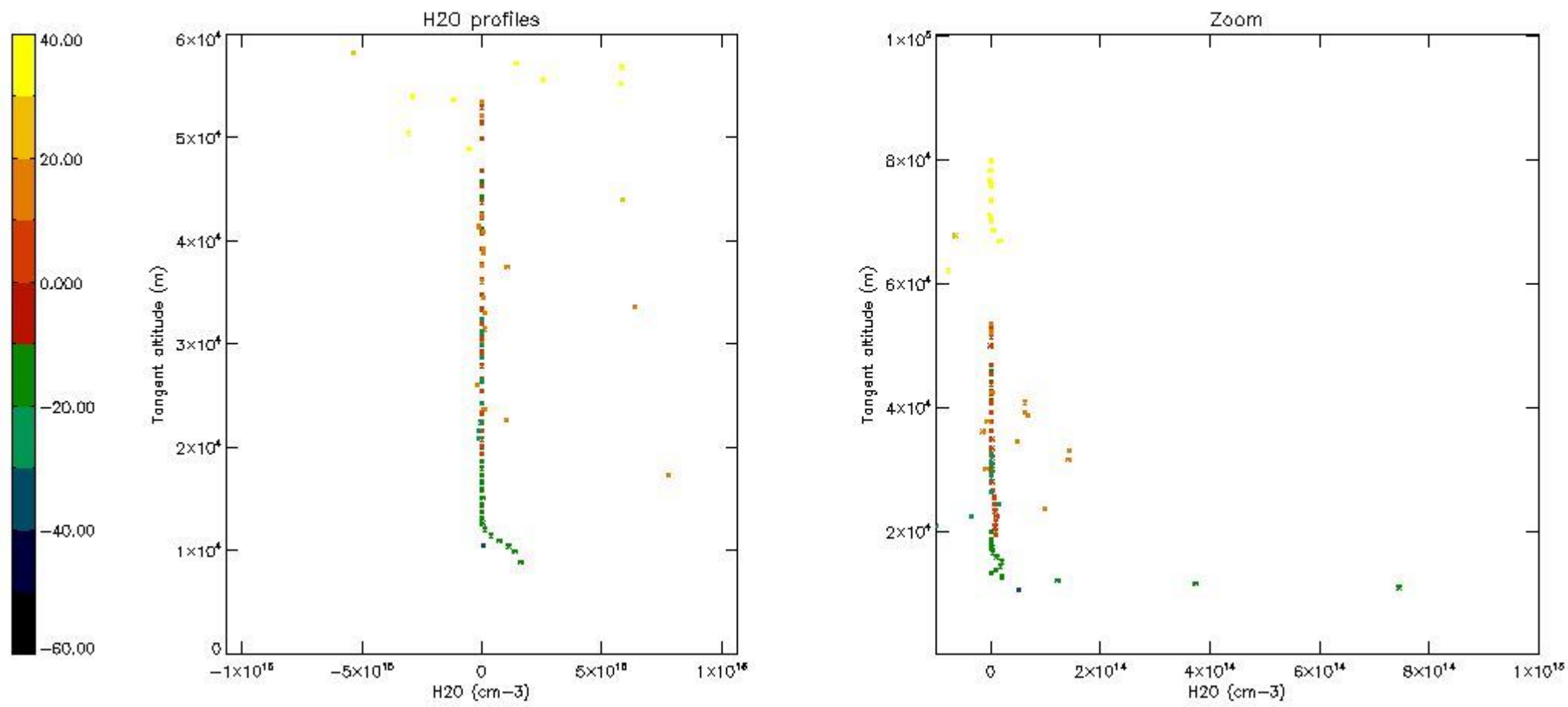
5.7 Plot NO3 profiles for all STD (dark without errors)

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-JAN-2004 06:45:17
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	27-JAN-2004 06:45:17
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	27-JAN-2004 06:45:17

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Item	Value
Time of report generation	18APR2013 18:19:00
Data source version	GOMOS/6.01
Start time of products	27-01-2004 (27JAN2004 00:00:00)
Stop time of products	28-01-2004 (28JAN2004 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	379
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

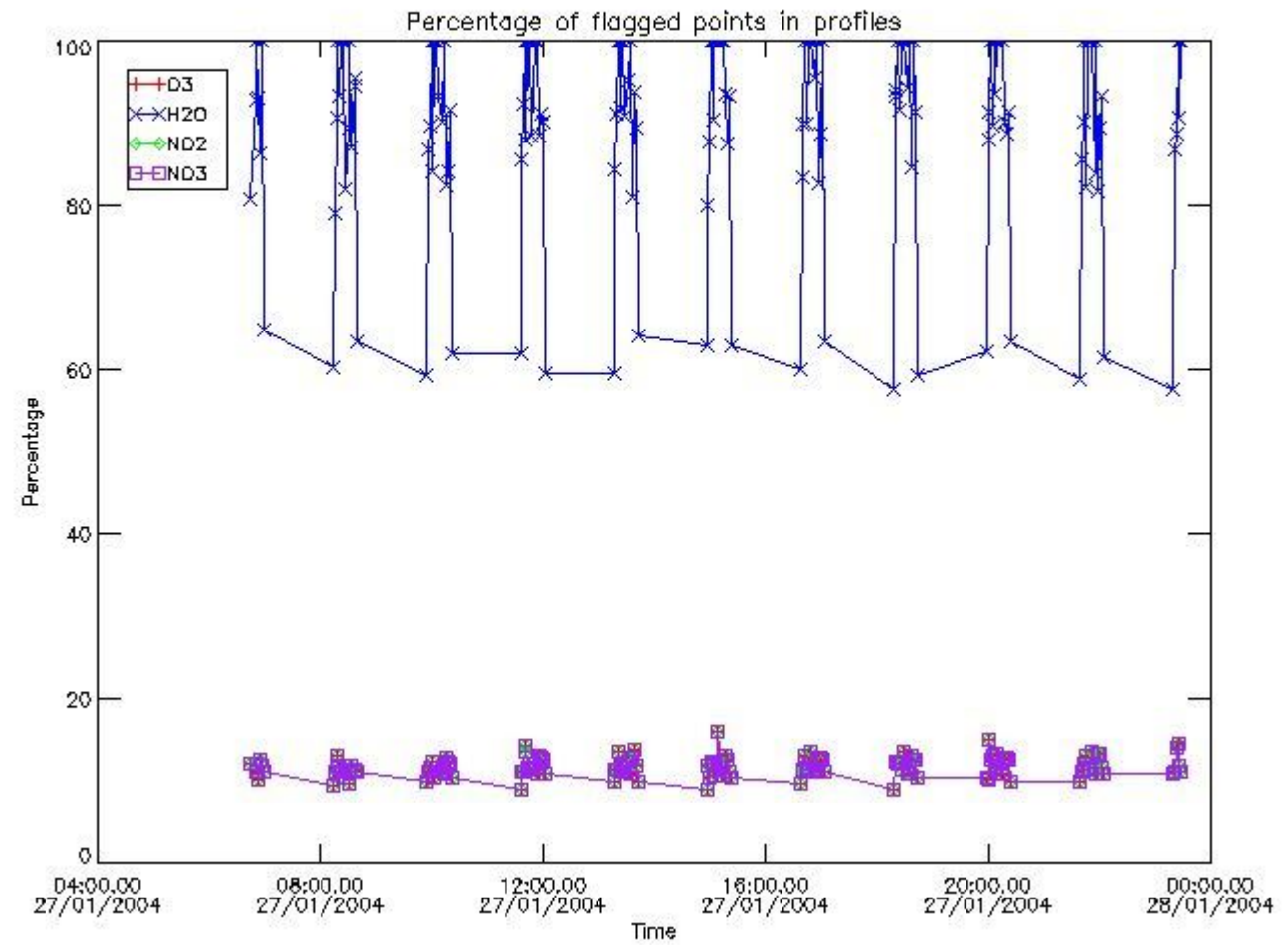
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20040127_064517_000000552023_00407_09980_1142.N1	27-JAN-2004 06:45:17	Dark	55.000	4	Alp1Cen	-0.010000	5800.0	110	9980	No
2	GOM_NL__2PRFIN20040127_064952_000000422023_00407_09980_1143.N1	27-JAN-2004 06:49:52	Dark	42.000	12	Alp1Cru	0.77500	30000.	84	9980	No
3	GOM_NL__2PRFIN20040127_065134_000000462023_00407_09980_1144.N1	27-JAN-2004 06:51:34	Dark	45.500	99	Del Cen	2.5750	26000.	91	9980	No
4	GOM_NL__2PRFIN20040127_065344_000000512023_00407_09980_1145.N1	27-JAN-2004 06:53:44	Dark	50.500	29	Bet Car	1.6720	10200.	101	9980	No
5	GOM_NL__2PRFIN20040127_065600_000000412023_00407_09980_1146.N1	27-JAN-2004 06:56:00	Dark	40.500	71	lot Car	2.2460	7700.0	81	9980	No
6	GOM_NL__2PRFIN20040127_065747_000000432023_00407_09980_1147.N1	27-JAN-2004 06:57:47	Dark	43.000	46	Del Vel	1.9540	10600.	86	9980	No
7	GOM_NL__2PRFIN20040127_070008_000000462023_00407_09980_1148.N1	27-JAN-2004 07:00:08	Dark	46.000	2	Alp Car	-0.73600	7000.0	92	9980	No
8	GOM_NL__2PRFIN20040127_070226_000000472023_00407_09980_1149.N1	27-JAN-2004 07:02:26	Straylight	47.000	70	Zet Pup	2.2460	39000.	94	9980	No
9	GOM_NL__2PRFIN20040127_070356_000000432023_00407_09980_1150.N1	27-JAN-2004 07:03:56	Straylight	42.500	117	Pi Pup	2.7060	3800.0	85	9980	No
10	GOM_NL__2PRFIN20040127_070623_000000432023_00407_09980_1151.N1	27-JAN-2004 07:06:23	Straylight	43.000	23	21Eps CMa	1.5020	26000.	86	9980	No
11	GOM_NL__2PRFIN20040127_070746_000000402023_00407_09980_1152.N1	27-JAN-2004 07:07:46	Straylight	40.000	179	24Omi2CMa	3.0320	24000.	80	9980	No
12	GOM_NL__2PRFIN20040127_070955_000000462023_00407_09980_1153.N1	27-JAN-2004 07:09:55	Straylight	45.500	1	9Alp CMa	-1.4400	11000.	91	9980	No
13	GOM_NL__2PRFIN20040127_071156_000000682023_00407_09980_1154.N1	27-JAN-2004 07:11:56	Straylight	67.500	48	30Alp Hya	1.9770	4100.0	135	9980	No
14	GOM_NL__2PRFIN20040127_071557_000000552023_00407_09980_1155.N1	27-JAN-2004 07:15:57	Twilight_stray	55.000	8	10Alp CMi	0.40000	6500.0	110	9980	No
15	GOM_NL__2PRFIN20040127_071913_000000412023_00407_09980_1156.N1	27-JAN-2004 07:19:13	Bright	41.000	44	24Gam Gem	1.9280	11000.	82	9980	No
16	GOM_NL__2PRFIN20040127_072100_000000412023_00407_09980_1157.N1	27-JAN-2004 07:21:00	Bright	40.500	151	13Mu Gem	2.8900	3000.0	81	9980	No
17	GOM_NL__2PRFIN20040127_072250_000000452023_00407_09980_1158.N1	27-JAN-2004 07:22:50	Bright	44.500	17	78Bet Gem	1.1610	4500.0	89	9980	No
18	GOM_NL__2PRFIN20040127_072515_000000382023_00407_09980_1159.N1	27-JAN-2004 07:25:15	Bright	38.000	107	37The Aur	2.6490	11000.	76	9980	No
19	GOM_NL__2PRFIN20040127_072722_000000392023_00407_09980_1160.N1	27-JAN-2004 07:27:22	Bright	38.500	42	34Bet Aur	1.9000	10200.	77	9980	No
20	GOM_NL__2PRFIN20040127_073819_000000452023_00407_09980_1161.N1	27-JAN-2004 07:38:19	Bright	44.500	36	50Alp UMa	1.8000	6300.0	89	9980	No
21	GOM_NL__2PRFIN20040127_074117_000000572023_00407_09980_1162.N1	27-JAN-2004 07:41:17	Bright	57.000	87	64Gam UMa	2.4330	11000.	114	9980	No
22	GOM_NL__2PRFIN20040127_074313_000000422023_00407_09980_1163.N1	27-JAN-2004 07:43:13	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	9980	No
23	GOM_NL__2PRFIN20040127_074532_000000392023_00407_09980_1164.N1	27-JAN-2004 07:45:32	Bright	38.500	89	5Alp Cep	2.4510	8000.0	77	9980	No
24	GOM_NL__2PRFIN20040127_074750_000000412023_00407_09980_1165.N1	27-JAN-2004 07:47:50	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	9980	No
25	GOM_NL__2PRFIN20040127_075049_000000402023_00407_09980_1166.N1	27-JAN-2004 07:50:49	Bright	39.500	130	23Bet Dra	2.7990	5800.0	79	9980	No
26	GOM_NL__2PRFIN20040127_075416_000000372023_00407_09980_1167.N1	27-JAN-2004 07:54:16	Bright	36.500	5	3Alp Lyr	0.033000	11000.	73	9980	No
27	GOM_NL__2PRFIN20040127_075719_000000412023_00407_09980_1168.N1	27-JAN-2004 07:57:19	Bright	40.500	133	40Zet Her	2.8070	6000.0	81	9980	No
28	GOM_NL__2PRFIN20040127_080053_000000782023_00407_09980_1169.N1	27-JAN-2004 08:00:53	Bright	77.500	83		2.3780	11000.	155	9980	No
29	GOM_NL__2PRFIN20040127_080426_000000382023_00407_09980_1170.N1	27-JAN-2004 08:04:26	Bright	38.000	126	60Bet Oph	2.7700	4250.0	76	9980	No
30	GOM_NL__2PRFIN20040127_080715_000000632023_00407_09980_1171.N1	27-JAN-2004 08:07:15	Twilight_stray	63.000	102	24Alp Ser	2.6000	4250.0	126	9980	No
31	GOM_NL__2PRFIN20040127_080908_000000522023_00407_09980_1172.N1	27-JAN-2004 08:09:08	Twilight_stray	51.500	120	1Del Oph	2.7340	3200.0	103	9980	No
32	GOM_NL__2PRFIN20040127_081043_000000462023_00407_09980_1173.N1	27-JAN-2004 08:10:43	Twilight_stray	45.500	86	35Eta Oph	2.4300	10200.	91	9980	No
33	GOM_NL__2PRFIN20040127_081447_000000552023_00407_09980_1174.N1	27-JAN-2004 08:14:47	Dark	54.500	16	21Alp Sco	1.0200	3000.0	109	9980	No
34	GOM_NL__2PRFIN20040127_081608_000000462023_00407_09980_1175.N1	27-JAN-2004 08:16:08	Dark	46.000	75	26Eps Sco	2.2910	4250.0	92	9980	No
35	GOM_NL__2PRFIN20040127_081726_000000442023_00407_09980_1176.N1	27-JAN-2004 08:17:26	Dark	43.500	40	The Sco	1.8590	7100.0	87	9980	No
36	GOM_NL__2PRFIN20040127_081923_000000392023_00407_09980_1177.N1	27-JAN-2004 08:19:23	Dark	39.000	147	Alp Ara	2.8770	26000.	78	9980	No
37	GOM_NL__2PRFIN20040127_082058_000000462023_00407_09980_1178.N1	27-JAN-2004 08:20:58	Dark	45.500	141	Bet Ara	2.8400	4600.0	91	9980	No
38	GOM_NL__2PRFIN20040127_082230_000000462023_00407_09980_1179.N1	27-JAN-2004 08:22:30	Dark	45.500	109	Bet Lup	2.6770	26000.	91	9980	No
39	GOM_NL__2PRFIN20040127_082356_000000492023_00408_09981_1145.N1	27-JAN-2004 08:23:56	Dark	49.000	78	Alp Lup	2.3040	28000.	98	9981	No
40	GOM_NL__2PRFIN20040127_082554_000000452023_00408_09981_1146.N1	27-JAN-2004 08:25:54	Dark	45.000	4	Alp1Cen	-0.010000	5800.0	90	9981	No
41	GOM_NL__2PRFIN20040127_083029_000000532023_00408_09981_1147.N1	27-JAN-2004 08:30:29	Dark	52.500	12	Alp1Cru	0.77500	30000.	105	9981	No
42	GOM_NL__2PRFIN20040127_083210_000000472023_00408_09981_1148.N1	27-JAN-2004 08:32:10	Dark	47.000	99	Del Cen	2.5750	26000.	94	9981	No

338	GOM_NL__2PRFIN20040127_214100_000000462023_00415_09988_1180.N1	27-JAN-2004 21:41:00	Dark	45.500	75	26Eps Sco	2.2910	4250.0	91	9988	No
339	GOM_NL__2PRFIN20040127_214218_000000462023_00415_09988_1181.N1	27-JAN-2004 21:42:18	Dark	46.000	40	The Sco	1.8590	7100.0	92	9988	No
340	GOM_NL__2PRFIN20040127_214412_000000432023_00415_09988_1182.N1	27-JAN-2004 21:44:12	Dark	42.500	147	Alp Ara	2.8770	26000.	85	9988	No
341	GOM_NL__2PRFIN20040127_214547_000000402023_00415_09988_1183.N1	27-JAN-2004 21:45:47	Dark	39.500	141	Bet Ara	2.8400	4600.0	79	9988	No
342	GOM_NL__2PRFIN20040127_214726_000000452023_00415_09988_1184.N1	27-JAN-2004 21:47:26	Dark	45.000	109	Bet Lup	2.6770	26000.	90	9988	No
343	GOM_NL__2PRFIN20040127_214852_000000452023_00416_09989_1149.N1	27-JAN-2004 21:48:52	Dark	45.000	78	Alp Lup	2.3040	28000.	90	9989	No
344	GOM_NL__2PRFIN20040127_215100_000000382023_00416_09989_1150.N1	27-JAN-2004 21:51:00	Dark	37.500	145	Gam TrA	2.8720	10600.	75	9989	No
345	GOM_NL__2PRFIN20040127_215521_000000442023_00416_09989_1151.N1	27-JAN-2004 21:55:21	Dark	44.000	12	Alp1Cru	0.77500	30000.	88	9989	No
346	GOM_NL__2PRFIN20040127_215705_000000472023_00416_09989_1152.N1	27-JAN-2004 21:57:05	Dark	46.500	99	Del Cen	2.5750	26000.	93	9989	No
347	GOM_NL__2PRFIN20040127_215913_000000392023_00416_09989_1153.N1	27-JAN-2004 21:59:13	Dark	38.500	29	Bet Car	1.6720	10200.	77	9989	No
348	GOM_NL__2PRFIN20040127_220128_000000392023_00416_09989_1154.N1	27-JAN-2004 22:01:28	Dark	38.500	71	lot Car	2.2460	7700.0	77	9989	No
349	GOM_NL__2PRFIN20040127_220315_000000452023_00416_09989_1155.N1	27-JAN-2004 22:03:15	Dark	44.500	46	Del Vel	1.9540	10600.	89	9989	No
350	GOM_NL__2PRFIN20040127_220534_000000472023_00416_09989_1156.N1	27-JAN-2004 22:05:34	Dark	47.000	2	Alp Car	-0.73600	7000.0	94	9989	No
351	GOM_NL__2PRFIN20040127_220755_000000422023_00416_09989_1157.N1	27-JAN-2004 22:07:55	Straylight	42.000	70	Zet Pup	2.2460	39000.	84	9989	No
352	GOM_NL__2PRFIN20040127_220923_000000422023_00416_09989_1158.N1	27-JAN-2004 22:09:23	Straylight	41.500	117	Pi Pup	2.7060	3800.0	83	9989	No
353	GOM_NL__2PRFIN20040127_221149_000000432023_00416_09989_1159.N1	27-JAN-2004 22:11:49	Straylight	42.500	23	21Eps CMa	1.5020	26000.	85	9989	No
354	GOM_NL__2PRFIN20040127_221312_000000382023_00416_09989_1160.N1	27-JAN-2004 22:13:12	Straylight	38.000	179	24Omi2CMa	3.0320	24000.	76	9989	No
355	GOM_NL__2PRFIN20040127_221522_000000452023_00416_09989_1161.N1	27-JAN-2004 22:15:22	Straylight	45.000	1	9Alp CMa	-1.4400	11000.	90	9989	No
356	GOM_NL__2PRFIN20040127_221719_000000662023_00416_09989_1162.N1	27-JAN-2004 22:17:19	Straylight	66.000	48	30Alp Hya	1.9770	4100.0	132	9989	No
357	GOM_NL__2PRFIN20040127_222120_000000472023_00416_09989_1163.N1	27-JAN-2004 22:21:20	Tw_i_and_stray	47.000	8	10Alp CMi	0.40000	6500.0	94	9989	No
358	GOM_NL__2PRFIN20040127_222438_000000392023_00416_09989_1164.N1	27-JAN-2004 22:24:38	Bright	39.000	44	24Gam Gem	1.9280	11000.	78	9989	No
359	GOM_NL__2PRFIN20040127_222626_000000392023_00416_09989_1165.N1	27-JAN-2004 22:26:26	Bright	39.000	151	13Mu Gem	2.8900	3000.0	78	9989	No
360	GOM_NL__2PRFIN20040127_222813_000000432023_00416_09989_1166.N1	27-JAN-2004 22:28:13	Bright	43.000	17	78Bet Gem	1.1610	4500.0	86	9989	No
361	GOM_NL__2PRFIN20040127_223041_000000372023_00416_09989_1167.N1	27-JAN-2004 22:30:41	Bright	37.000	107	37The Aur	2.6490	11000.	74	9989	No
362	GOM_NL__2PRFIN20040127_223248_000000382023_00416_09989_1168.N1	27-JAN-2004 22:32:48	Bright	37.500	42	34Bet Aur	1.9000	10200.	75	9989	No
363	GOM_NL__2PRFIN20040127_224337_000000442023_00416_09989_1169.N1	27-JAN-2004 22:43:37	Bright	44.000	36	50Alp UMa	1.8000	6300.0	88	9989	No
364	GOM_NL__2PRFIN20040127_224631_000000552023_00416_09989_1170.N1	27-JAN-2004 22:46:31	Bright	54.500	87	64Gam UMa	2.4330	11000.	109	9989	No
365	GOM_NL__2PRFIN20040127_224835_000000412023_00416_09989_1171.N1	27-JAN-2004 22:48:35	Bright	41.000	60	7Bet UMi	2.0810	3950.0	82	9989	No
366	GOM_NL__2PRFIN20040127_225059_000000372023_00416_09989_1172.N1	27-JAN-2004 22:50:59	Bright	36.500	89	5Alp Cep	2.4510	8000.0	73	9989	No
367	GOM_NL__2PRFIN20040127_225313_000000412023_00416_09989_1173.N1	27-JAN-2004 22:53:13	Bright	41.000	119	14Eta Dra	2.7270	4700.0	82	9989	No
368	GOM_NL__2PRFIN20040127_225612_000000382023_00416_09989_1174.N1	27-JAN-2004 22:56:12	Bright	38.000	130	23Bet Dra	2.7990	5800.0	76	9989	No
369	GOM_NL__2PRFIN20040127_225942_000000352023_00416_09989_1175.N1	27-JAN-2004 22:59:42	Bright	34.500	5	3Alp Lyr	0.033000	11000.	69	9989	No
370	GOM_NL__2PRFIN20040127_230244_000000412023_00416_09989_1176.N1	27-JAN-2004 23:02:44	Bright	41.000	133	40Zet Her	2.8070	6000.0	82	9989	No
371	GOM_NL__2PRFIN20040127_230621_000000772023_00416_09989_1177.N1	27-JAN-2004 23:06:21	Bright	77.000	83		2.3780	11000.	154	9989	No
372	GOM_NL__2PRFIN20040127_230953_000000372023_00416_09989_1178.N1	27-JAN-2004 23:09:53	Bright	37.000	126	60Bet Oph	2.7700	4250.0	74	9989	No
373	GOM_NL__2PRFIN20040127_231359_000002552023_00416_09989_1179.N1	27-JAN-2004 23:13:59	Straylight	255.00	3	16Alp Boo	-0.050000	4250.0	510	9989	No
374	GOM_NL__2PRFIN20040127_232017_000000562023_00416_09989_1180.N1	27-JAN-2004 23:20:17	Dark	56.000	16	21Alp Sco	1.0200	3000.0	112	9989	No
375	GOM_NL__2PRFIN20040127_232137_000000462023_00416_09989_1181.N1	27-JAN-2004 23:21:37	Dark	46.000	75	26Eps Sco	2.2910	4250.0	92	9989	No
376	GOM_NL__2PRFIN20040127_232255_000000402023_00416_09989_1182.N1	27-JAN-2004 23:22:55	Dark	40.000	40	The Sco	1.8590	7100.0	80	9989	No
377	GOM_NL__2PRFIN20040127_232449_000000392023_00416_09989_1183.N1	27-JAN-2004 23:24:49	Dark	38.500	147	Alp Ara	2.8770	26000.	77	9989	No
378	GOM_NL__2PRFIN20040127_232624_000000442023_00416_09989_1184.N1	27-JAN-2004 23:26:24	Dark	43.500	141	Bet Ara	2.8400	4600.0	87	9989	No
379	GOM_NL__2PRFIN20040127_232803_000000462023_00416_09989_1185.N1	27-JAN-2004 23:28:03	Dark	45.500	109	Bet Lup	2.6770	26000.	91	9989	No

3. Quality information per product

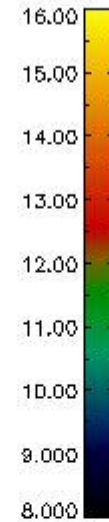
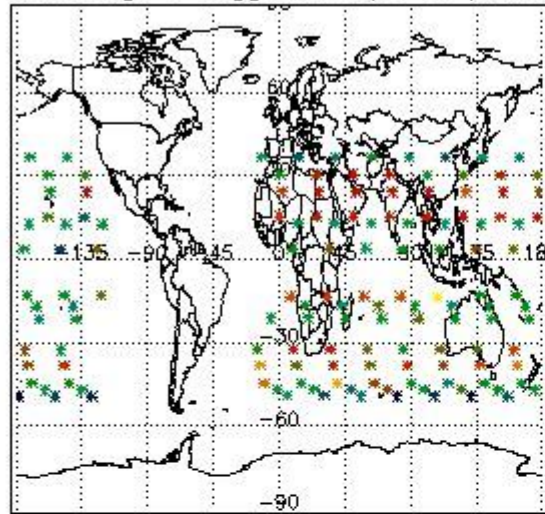
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

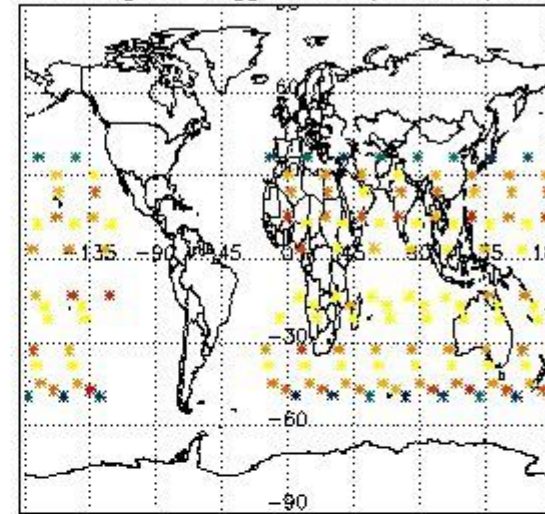


3.2 Plot quality information per product (world map)

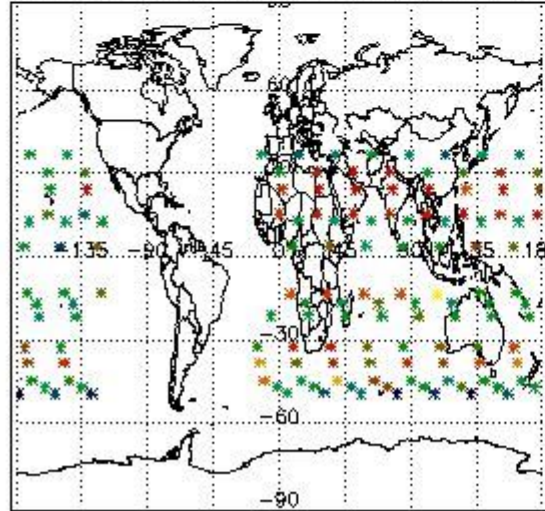
Percentage of flagged data per O3 profile



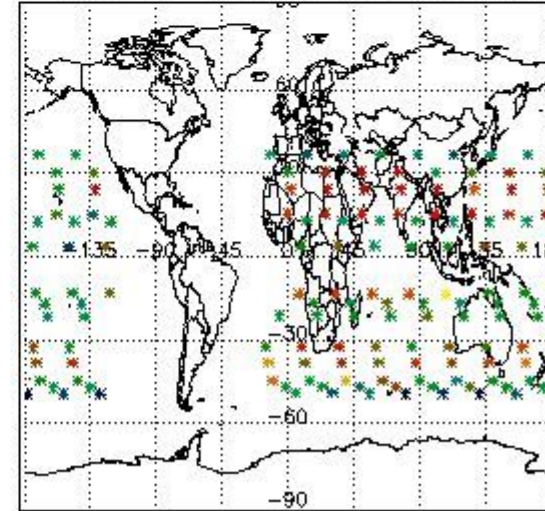
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

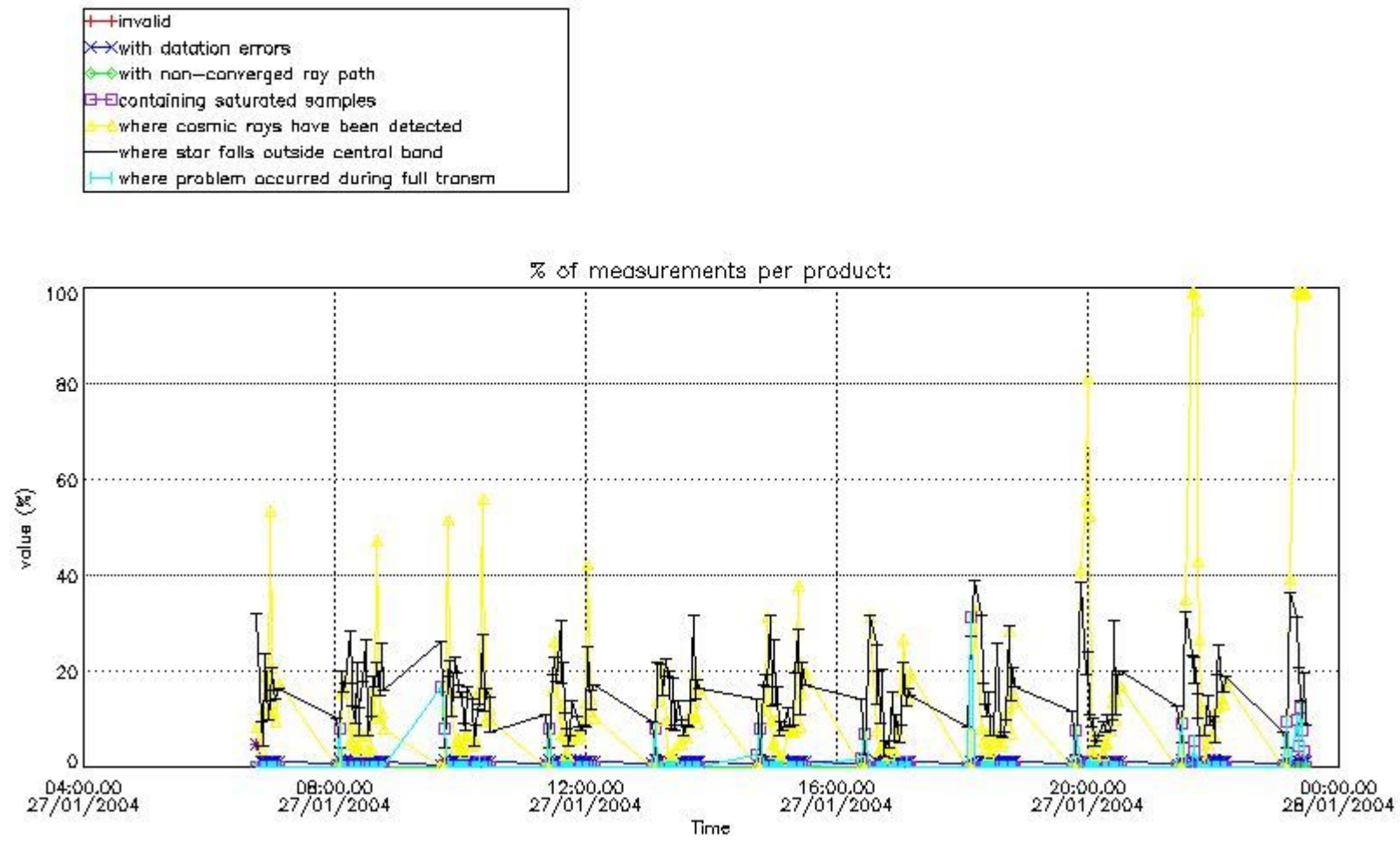


4. Level 1 quality information per product

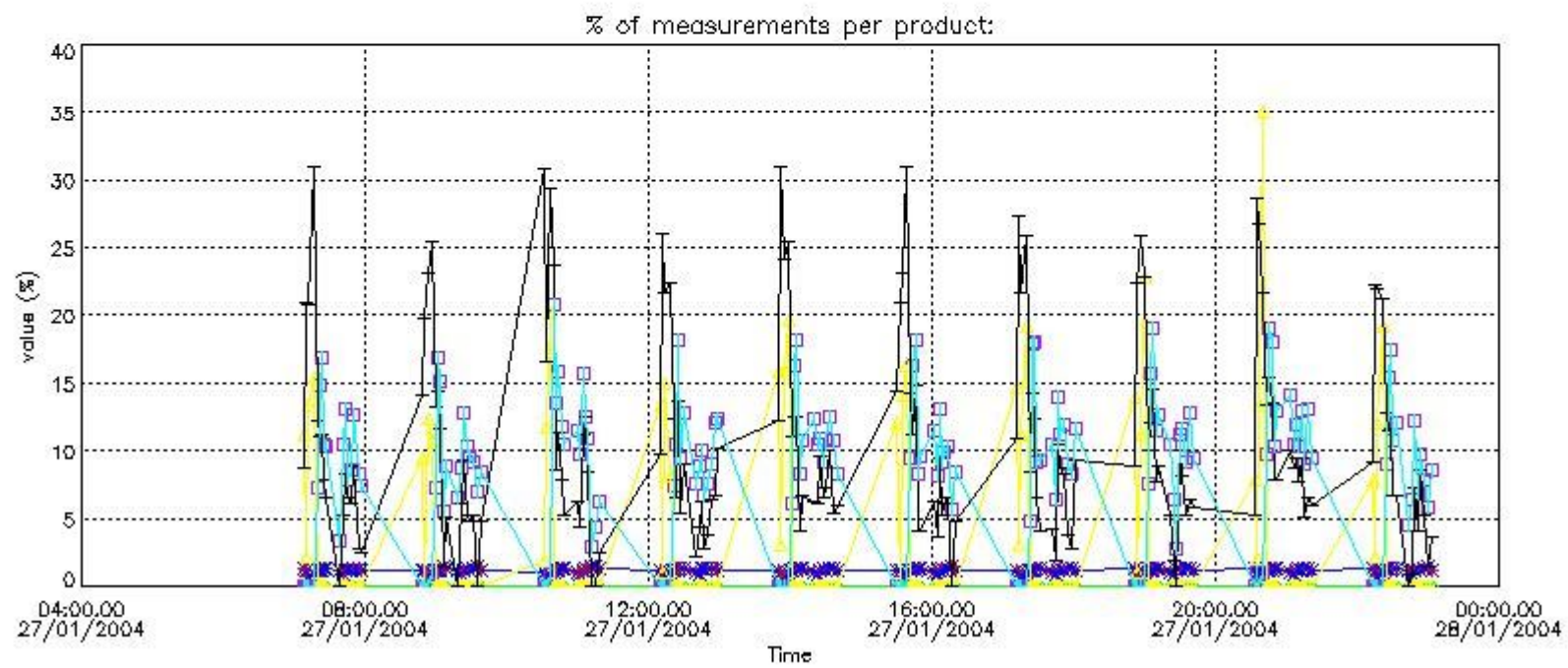
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

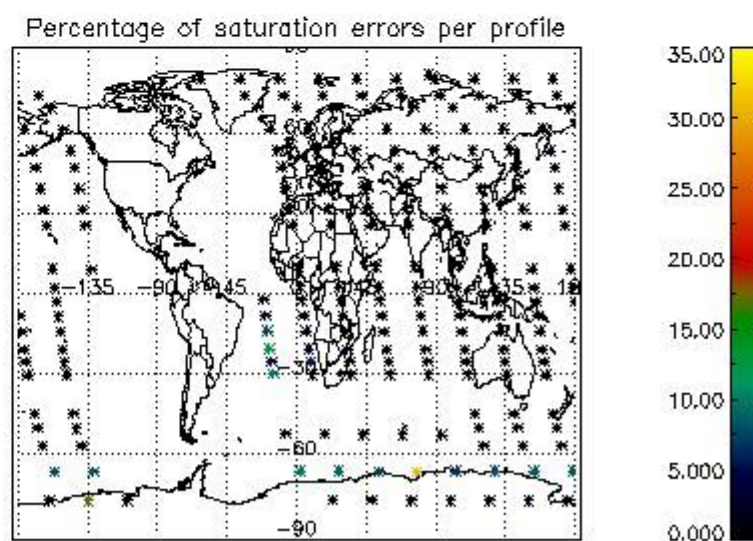
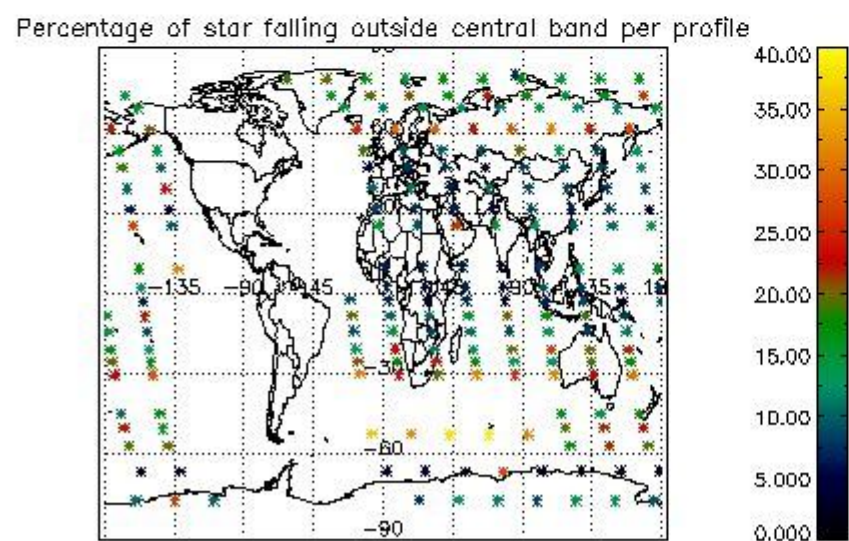
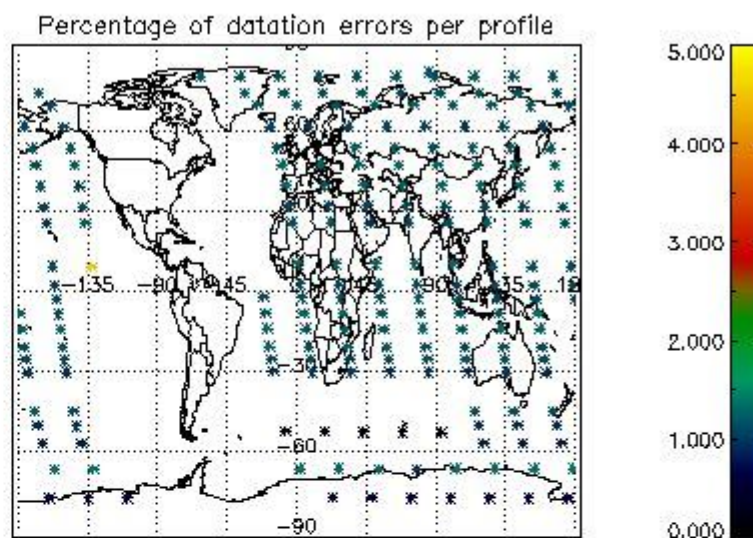
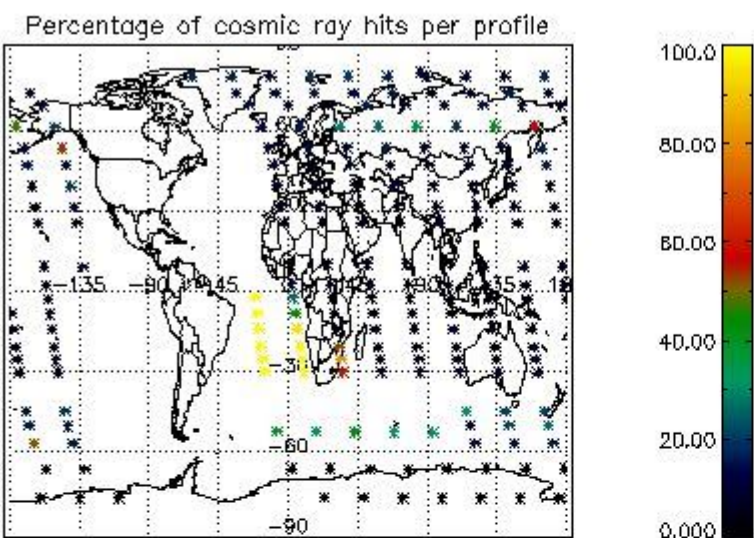


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



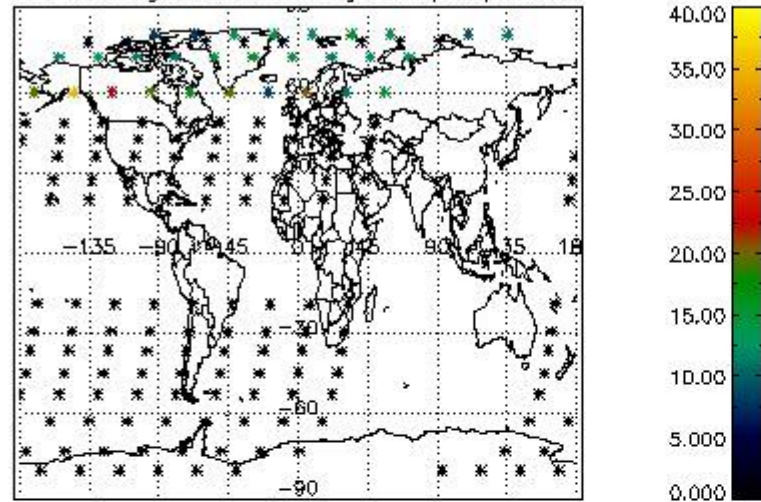
4.2 Plot quality information per product coming from level 1b processing (world map)

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

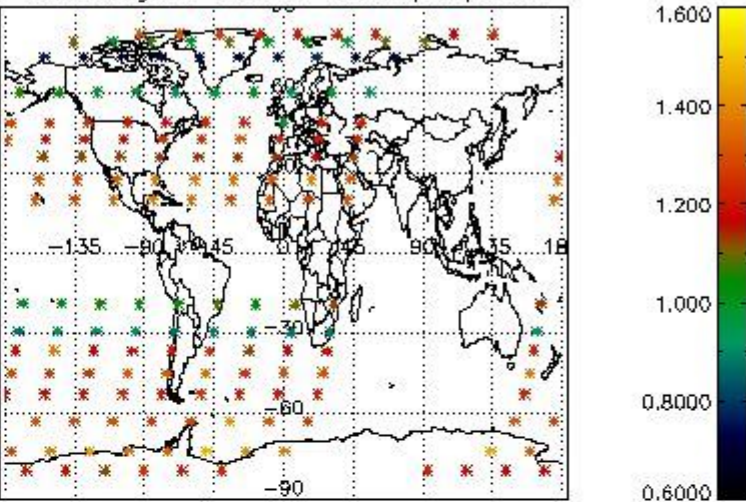


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

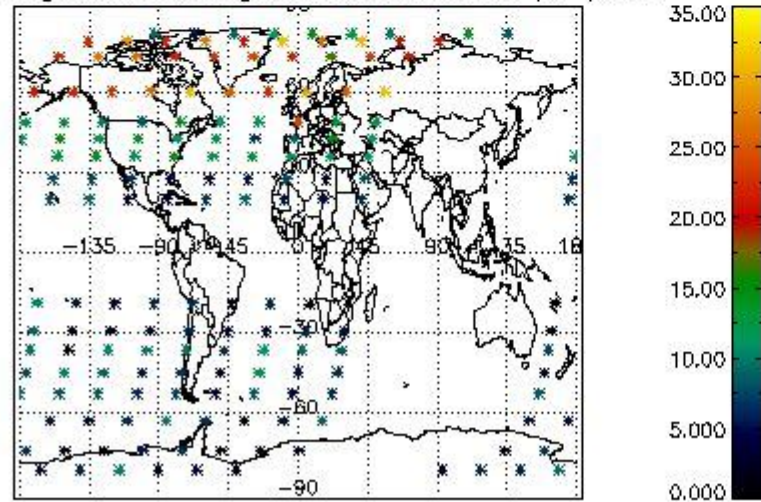
Percentage of cosmic ray hits per profile



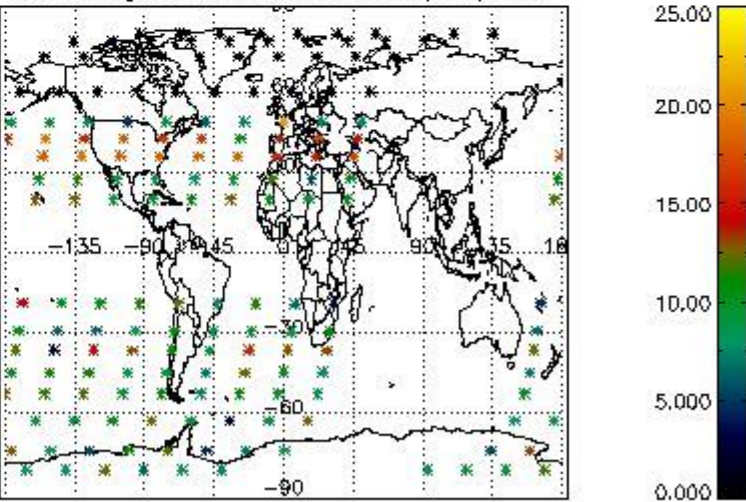
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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

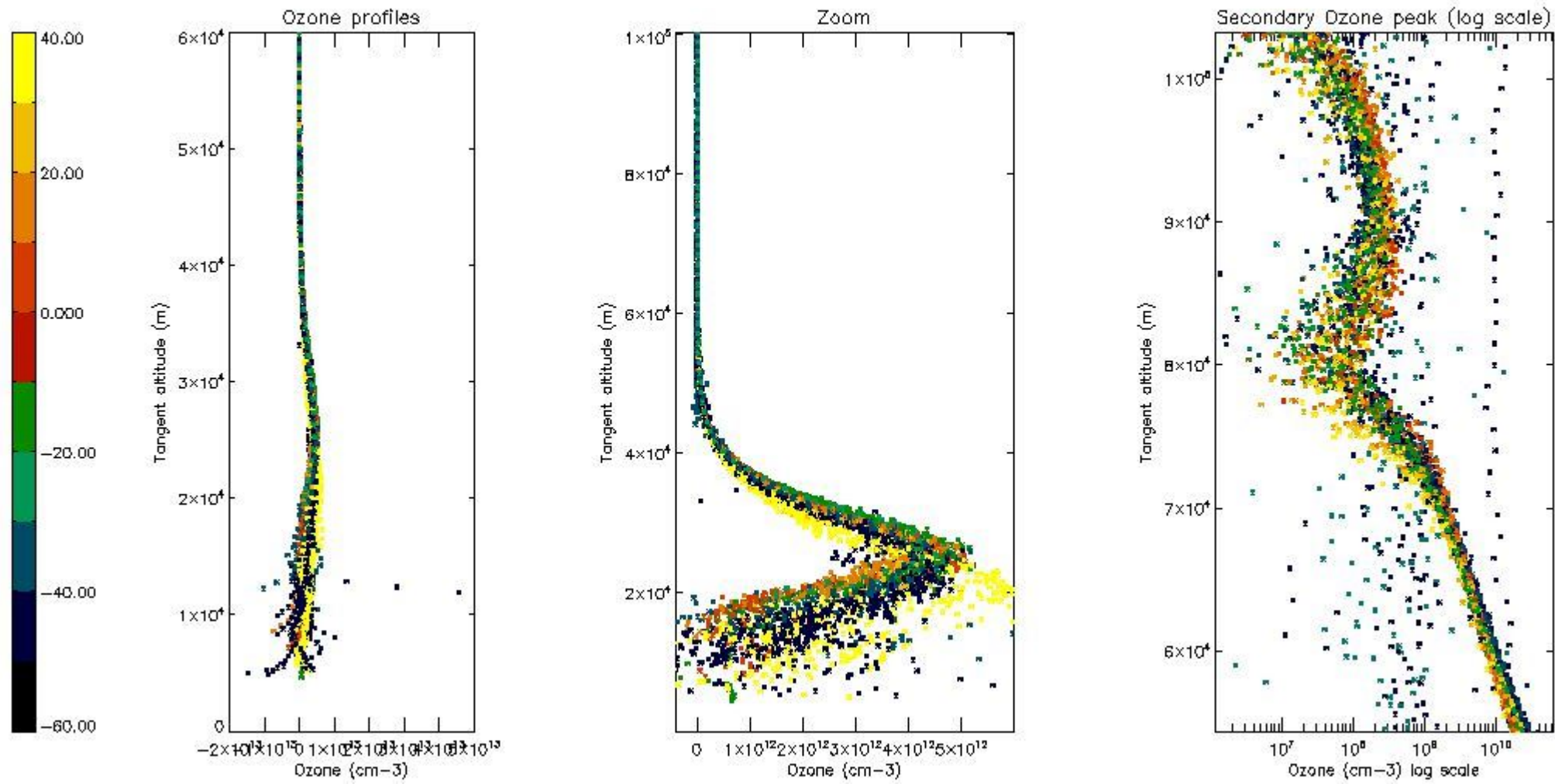
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	34
STD < 20	20

STD < 10	16
STD < 5	11

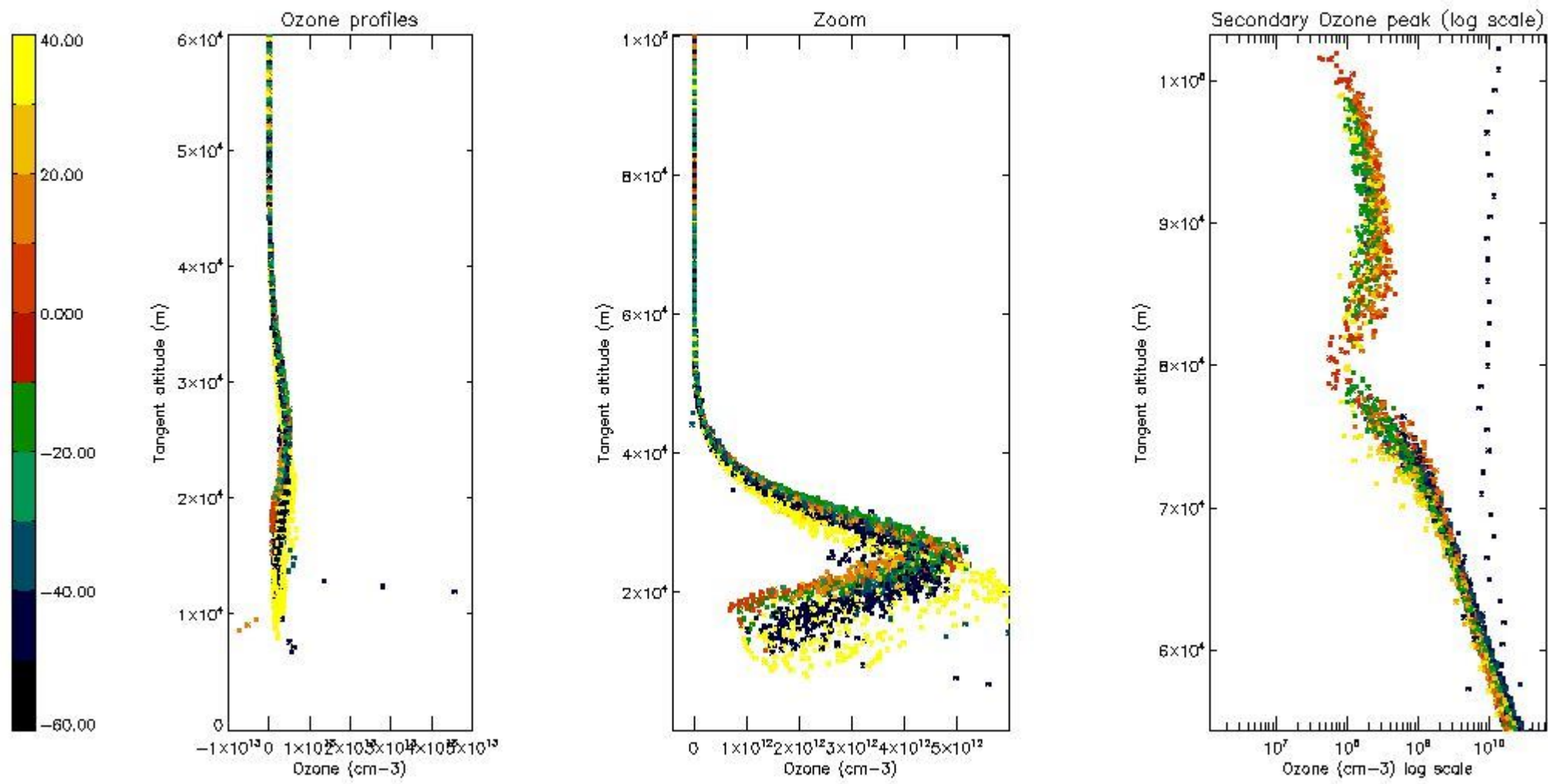
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



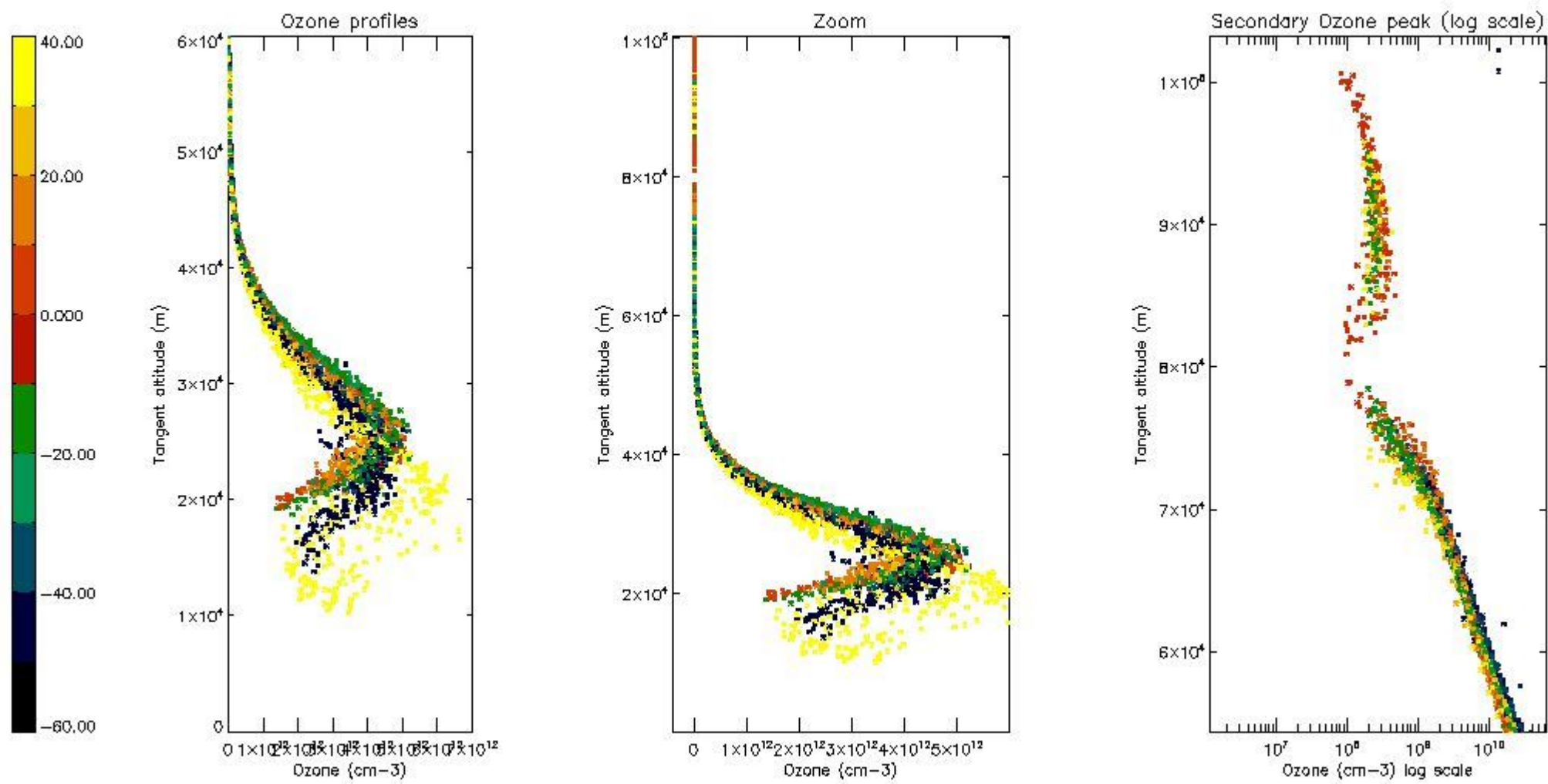
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



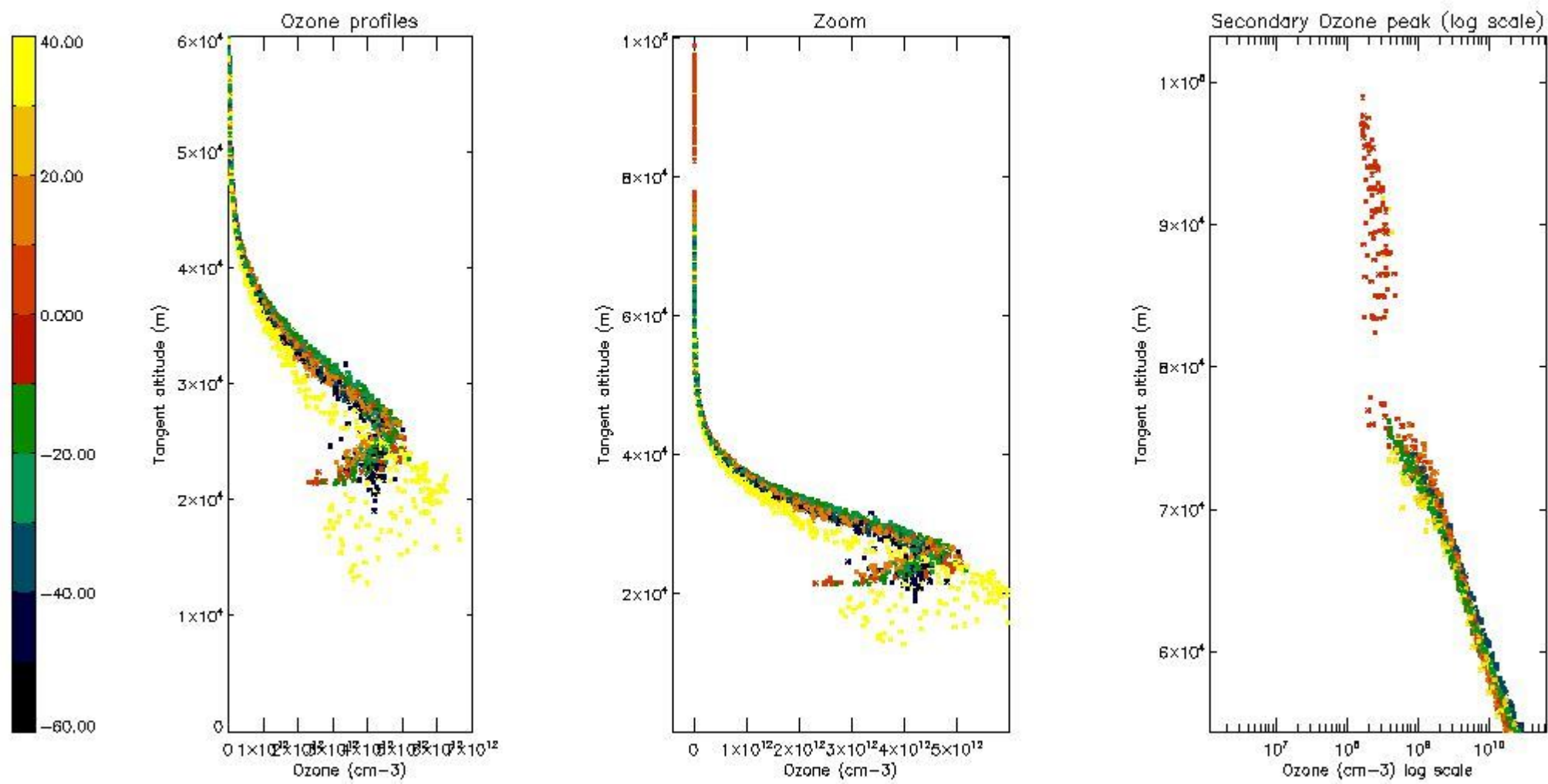
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



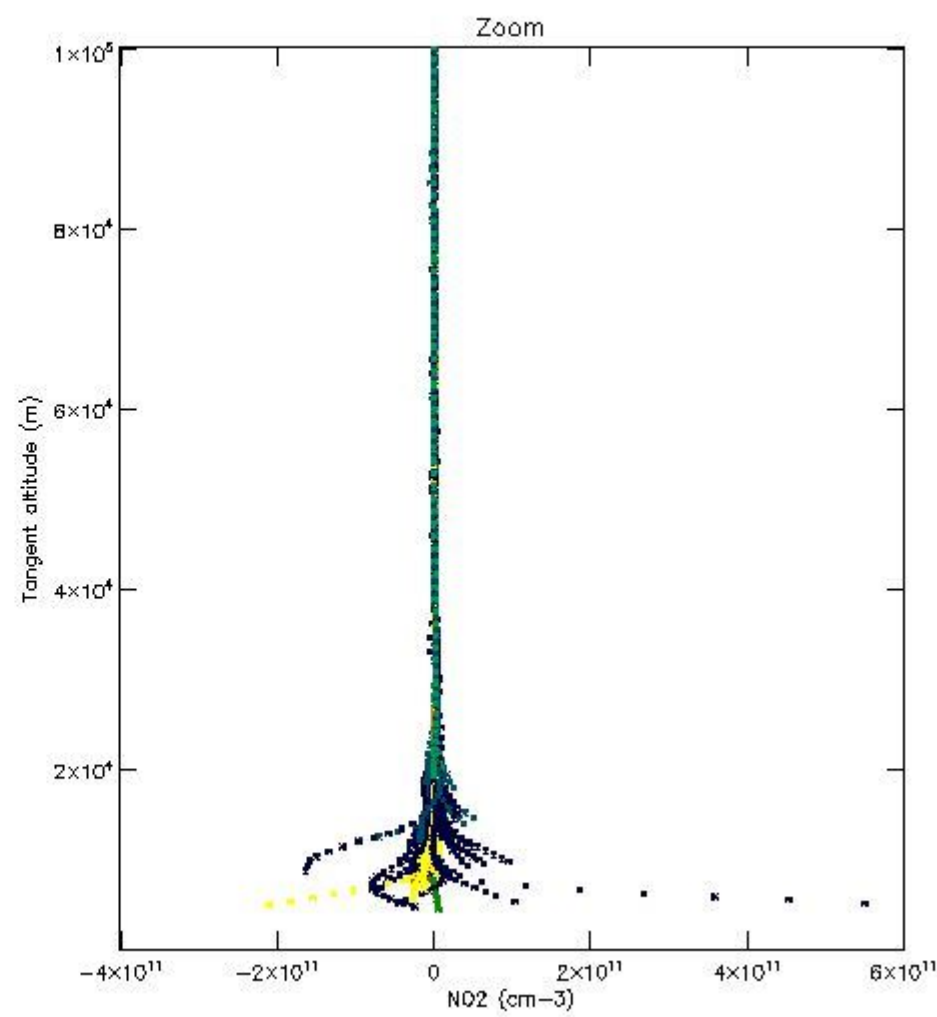
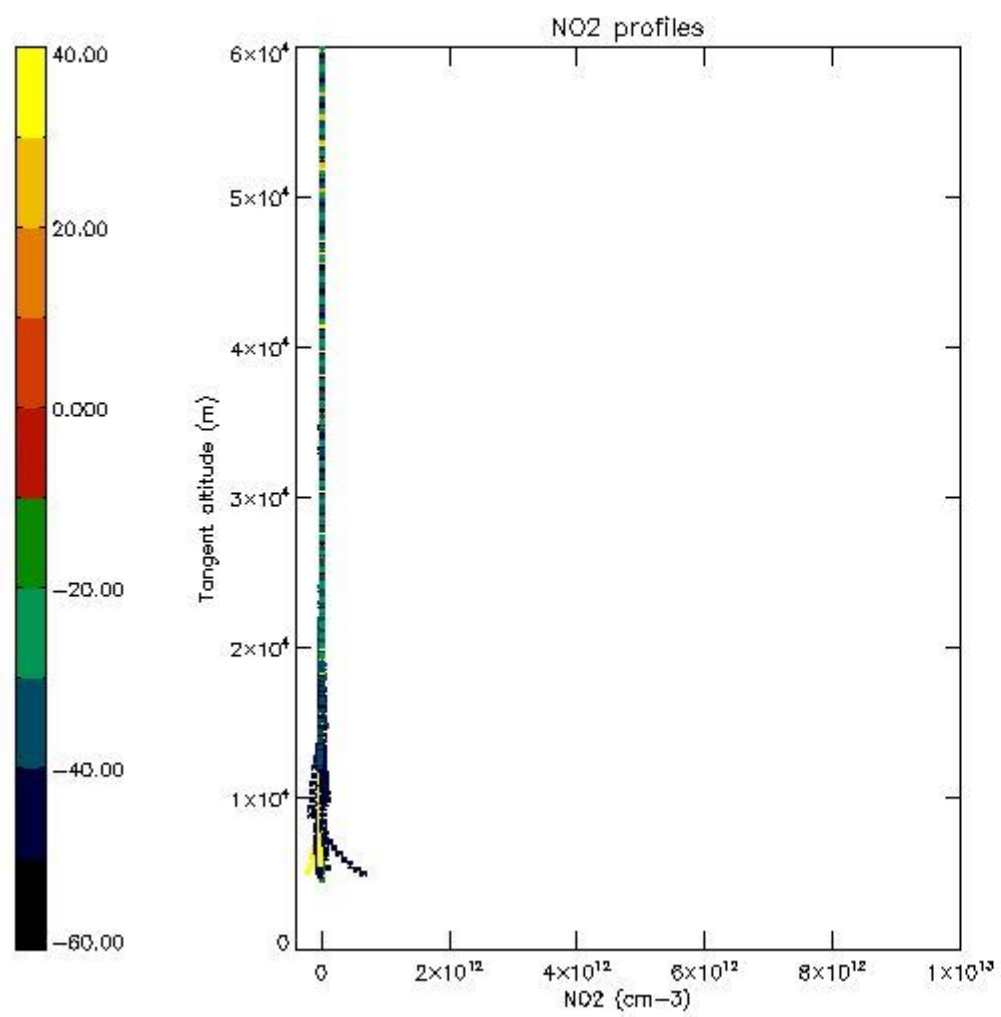
5.5 Plot ozone profiles where $STD < 5\%$ (dark without errors)

The colorbar represents the latitude.



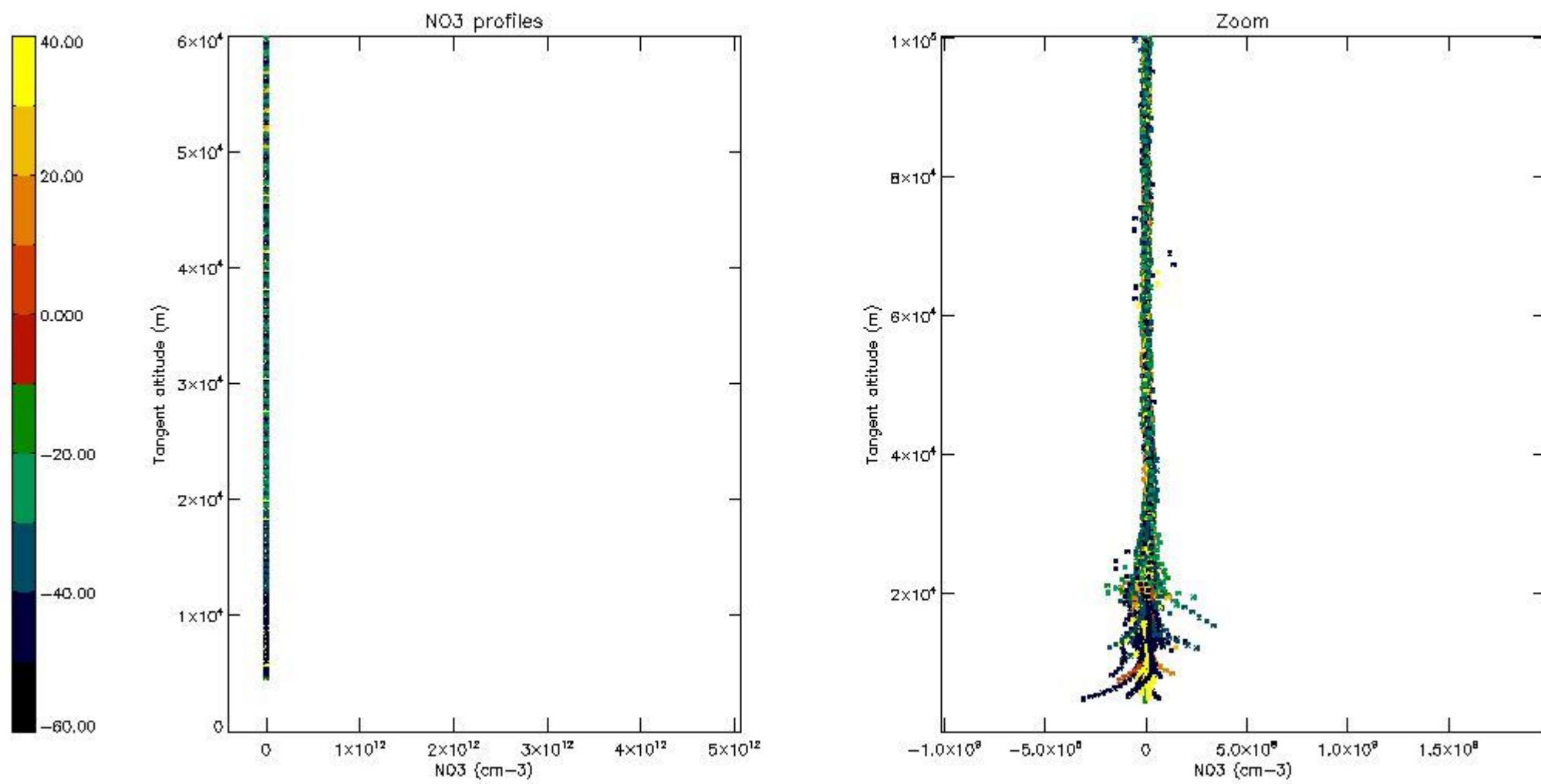
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



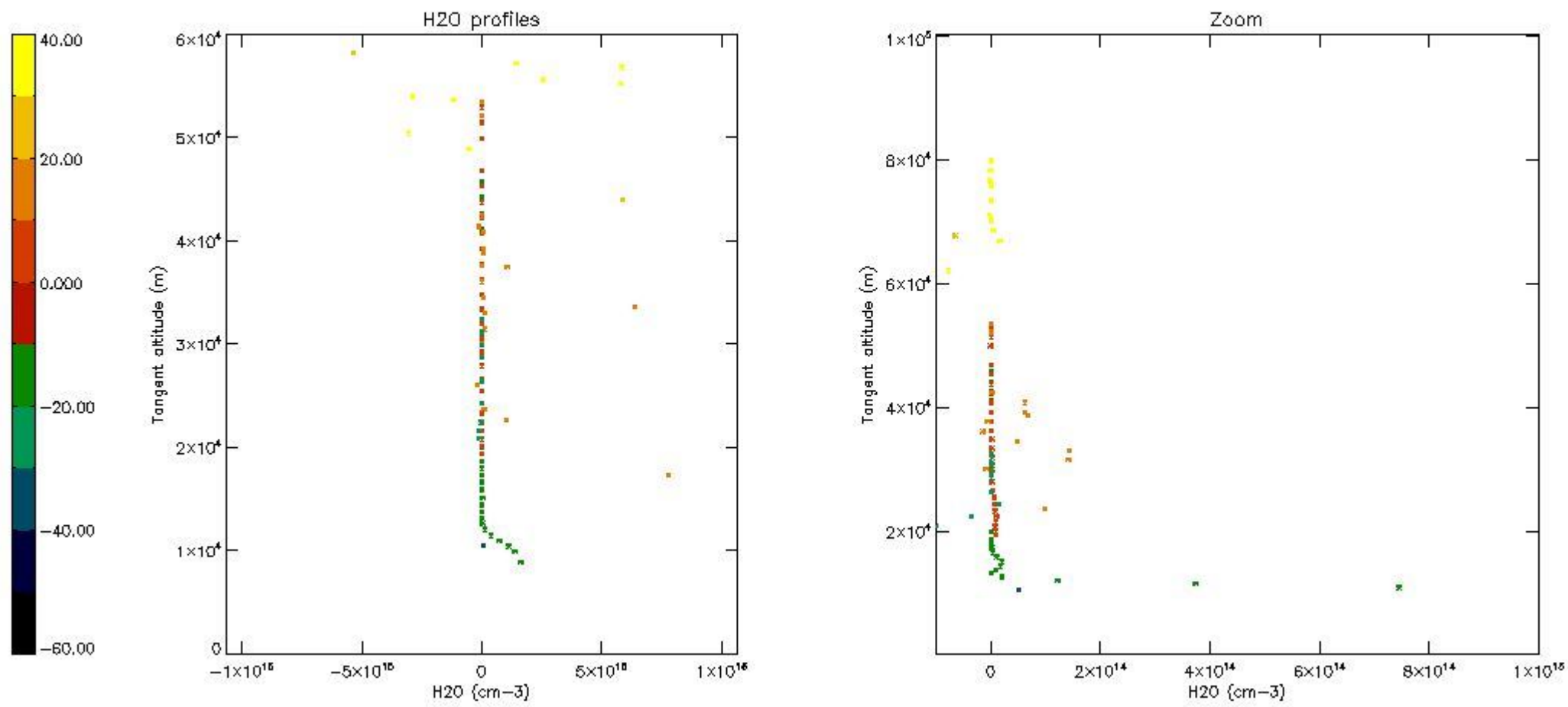
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

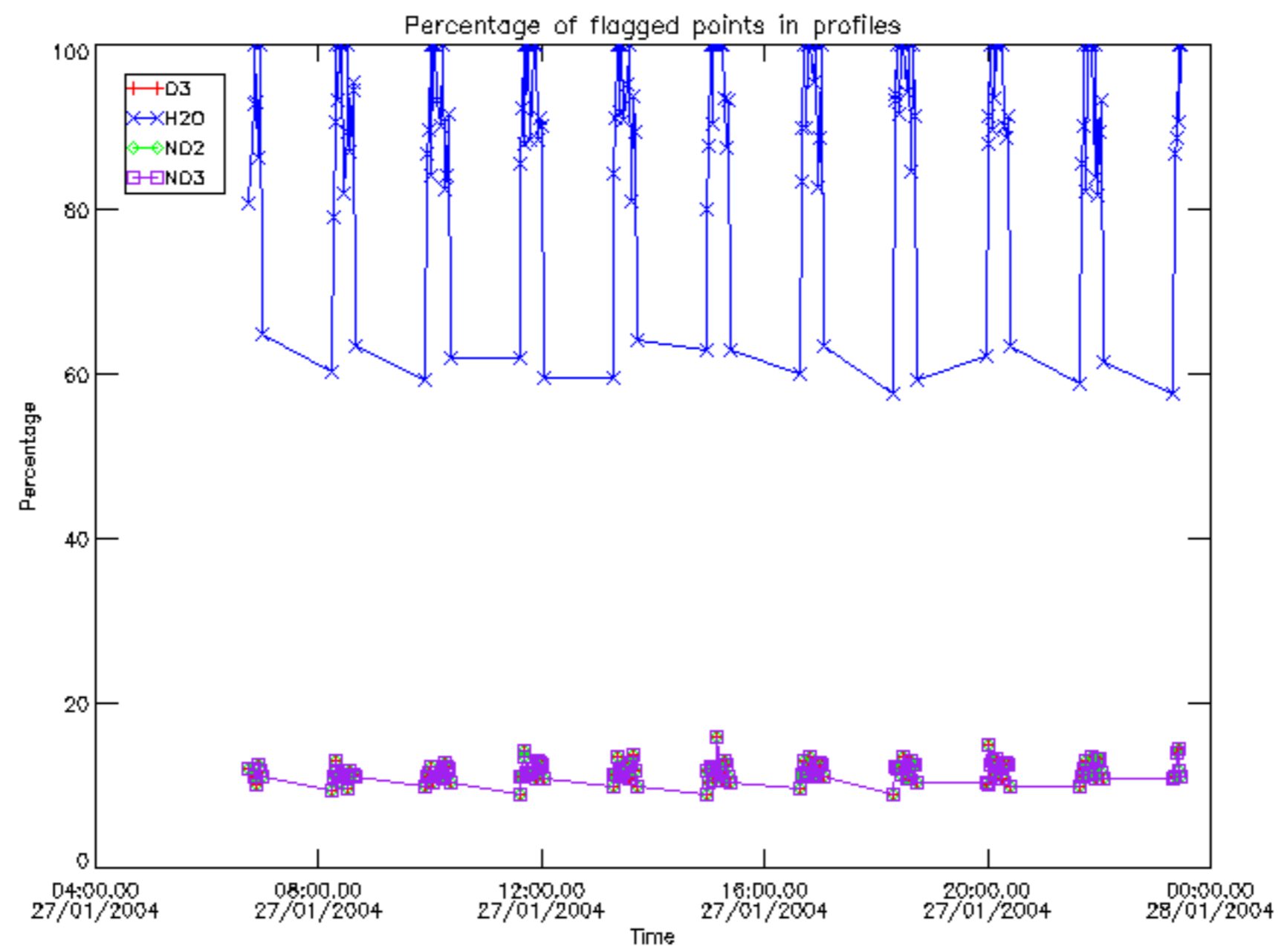
The colorbar represents the latitude.



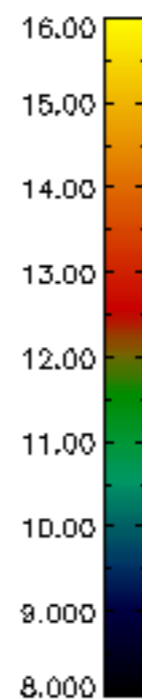
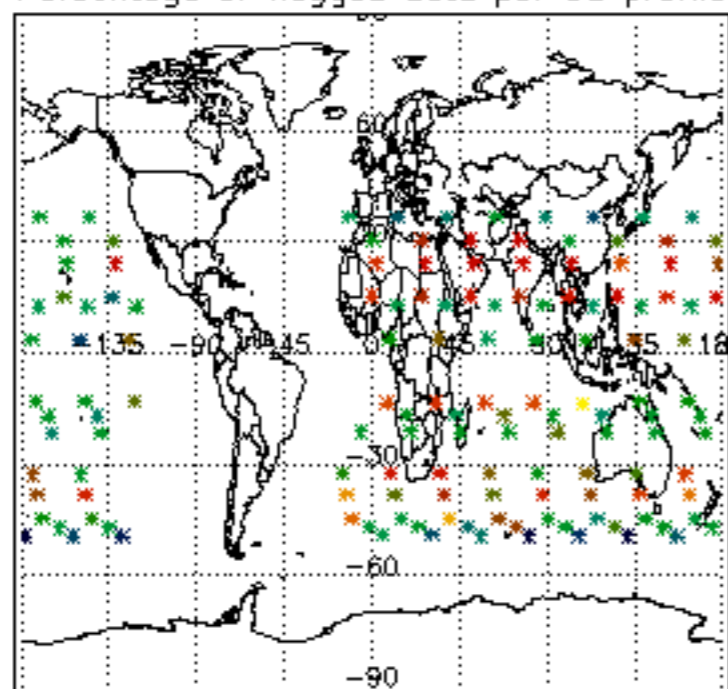
6. Auxiliary Data Files used for the production reported in section 2

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.

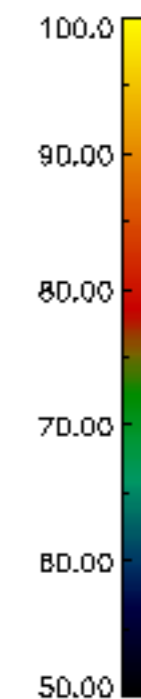
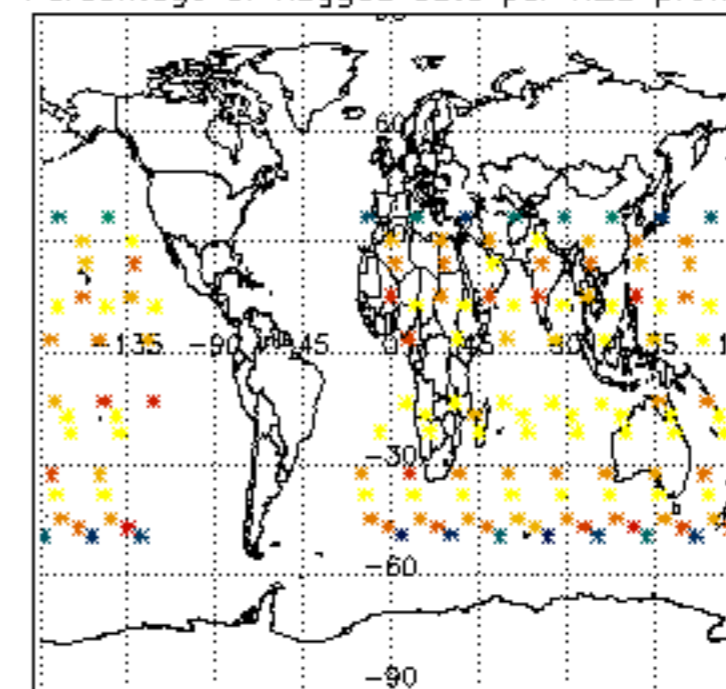
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	27-JAN-2004 06:45:17
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	27-JAN-2004 06:45:17
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	27-JAN-2004 06:45:17



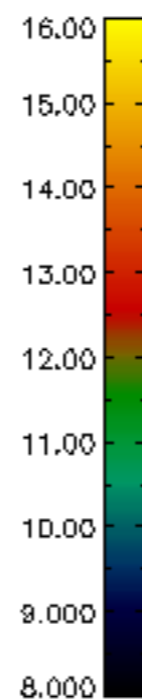
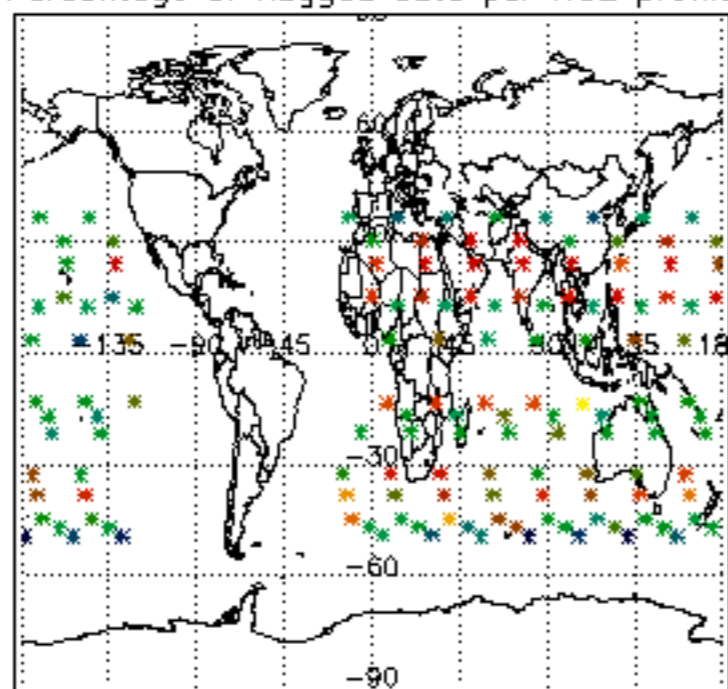
Percentage of flagged data per D3 profile



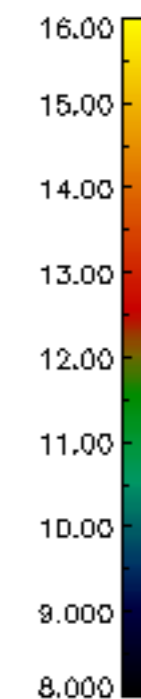
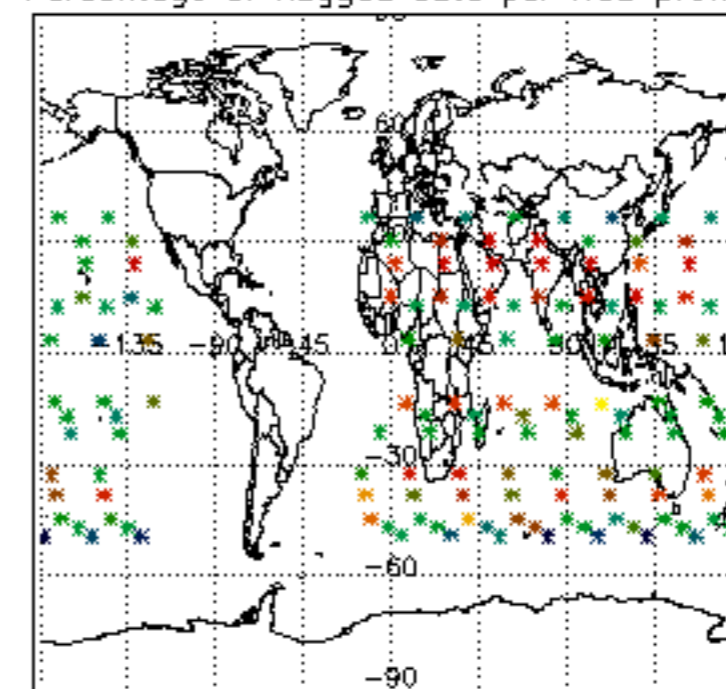
Percentage of flagged data per H2O profile

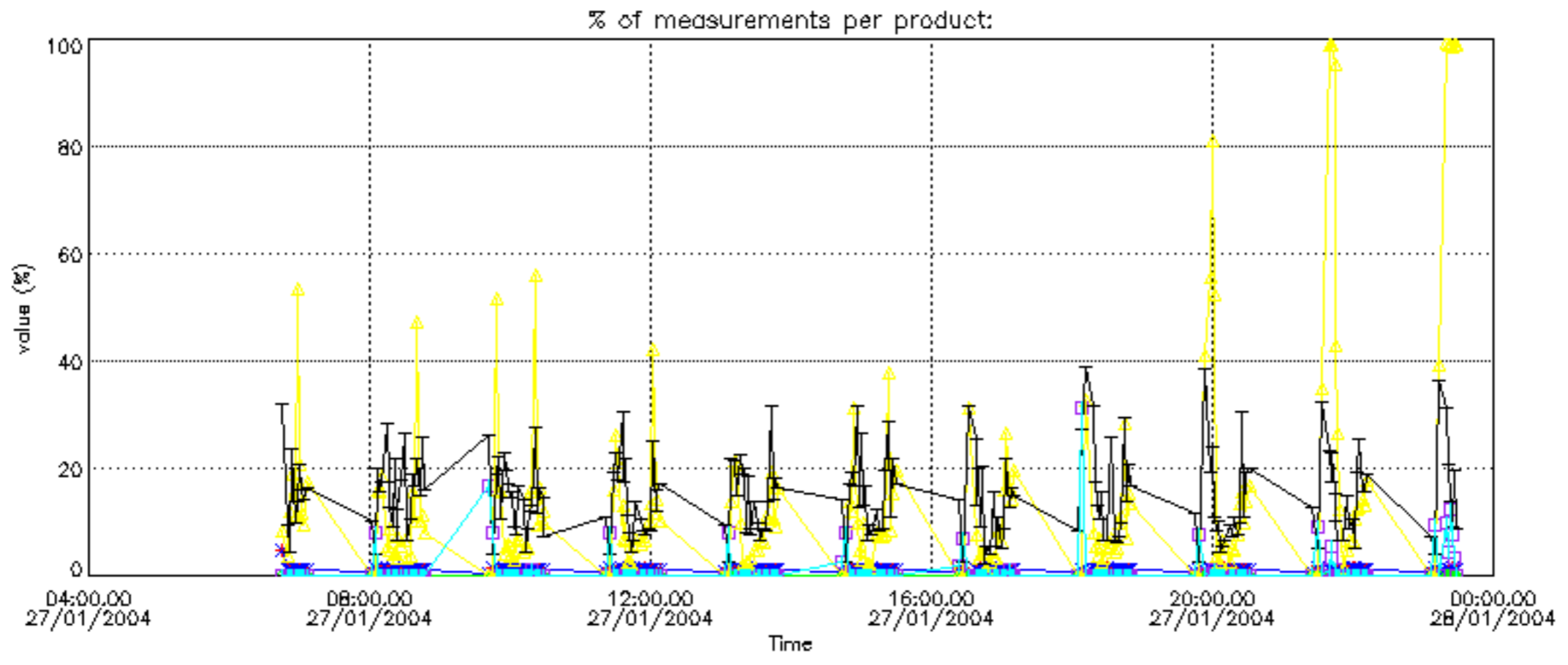


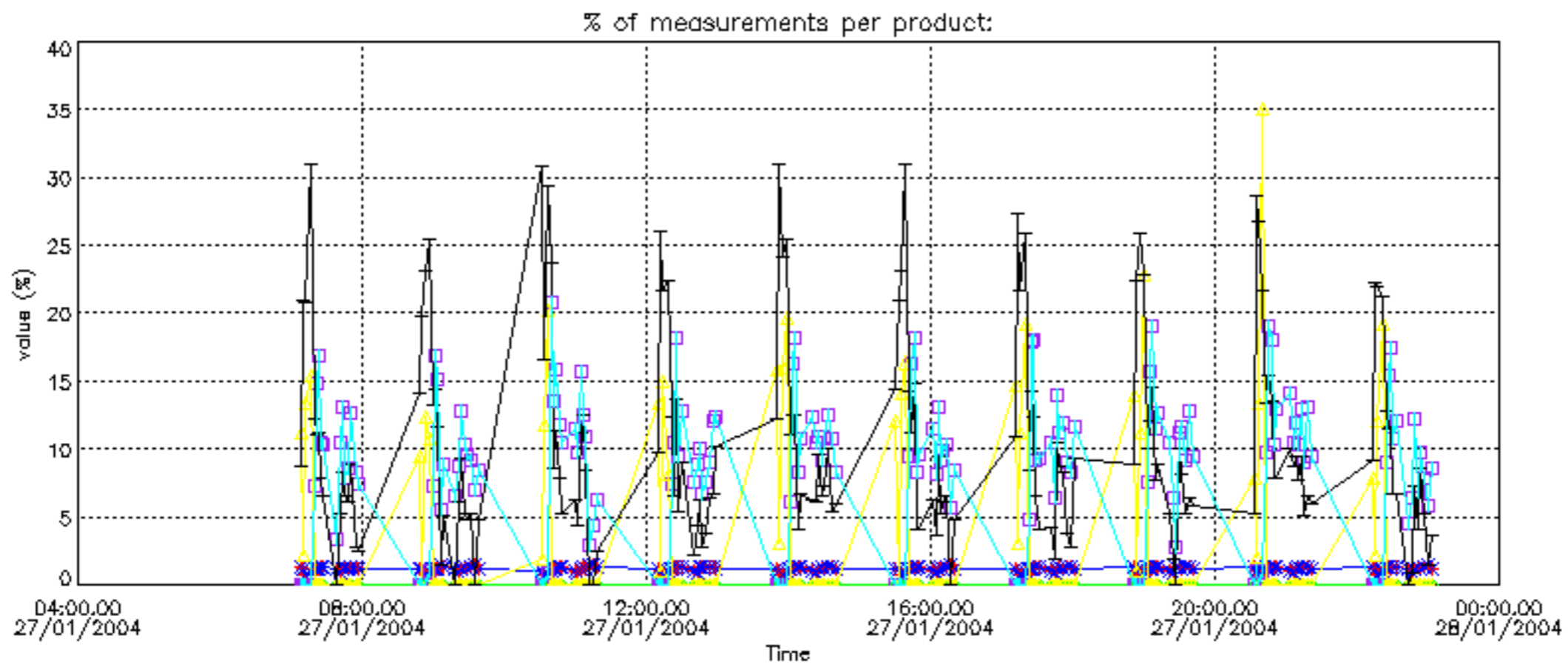
Percentage of flagged data per NO2 profile



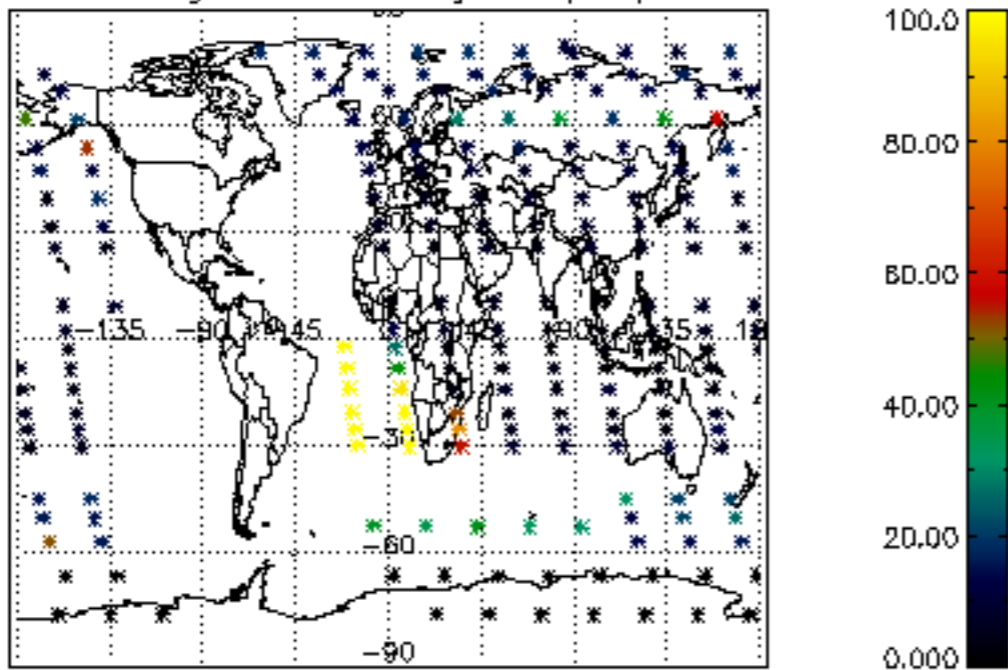
Percentage of flagged data per NO3 profile



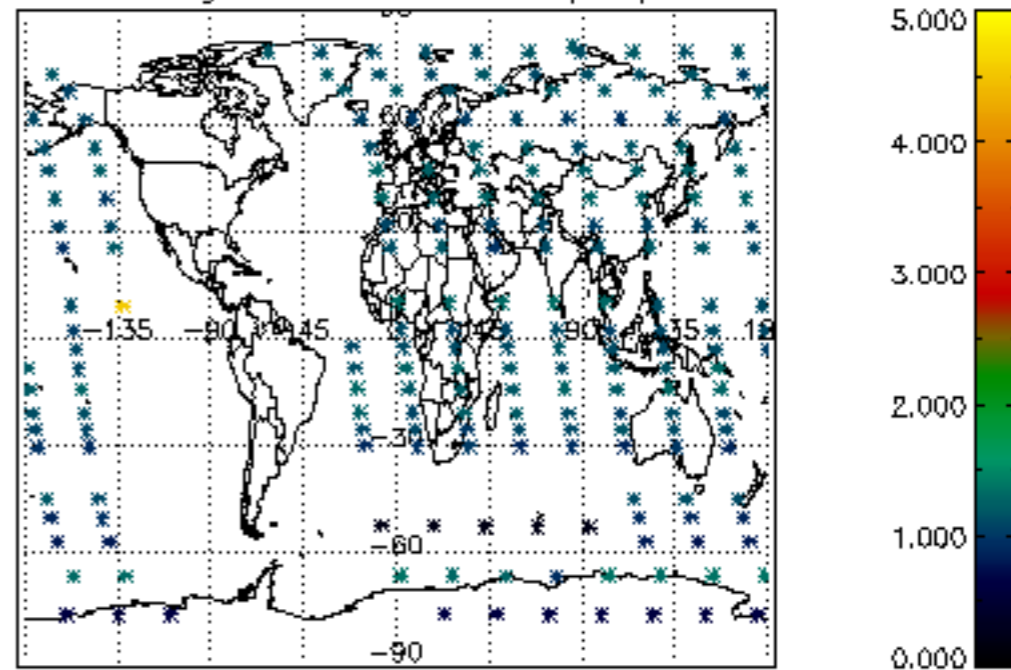




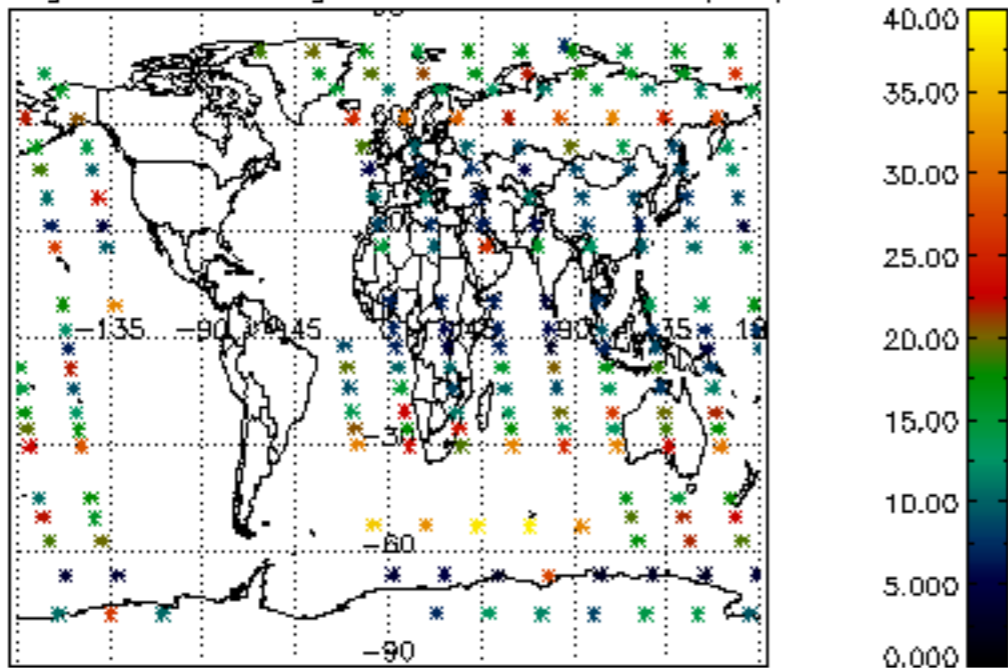
Percentage of cosmic ray hits per profile



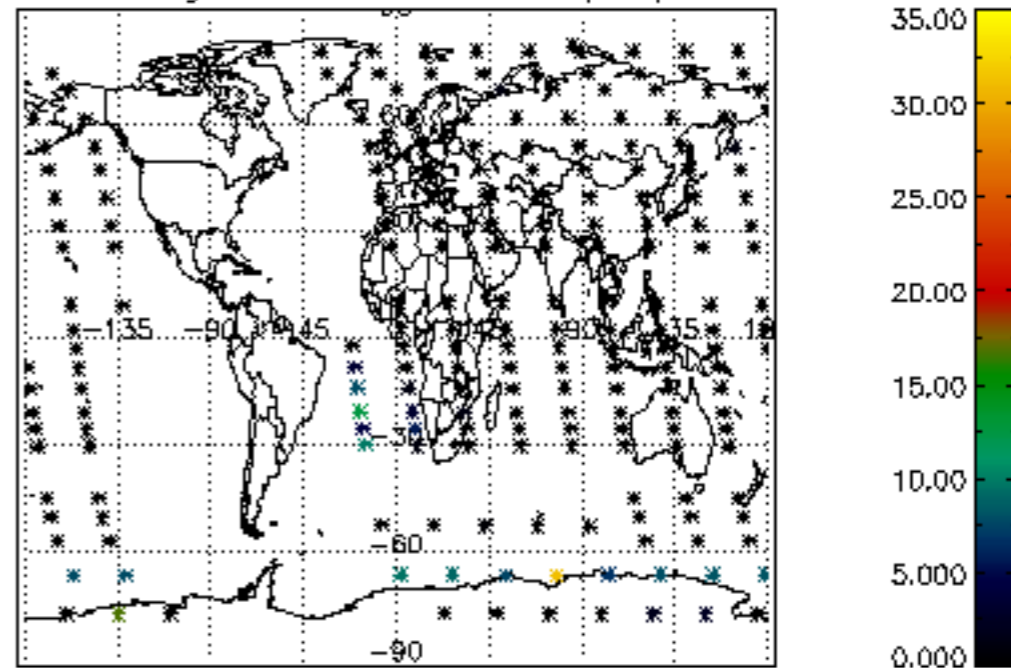
Percentage of datation errors per profile



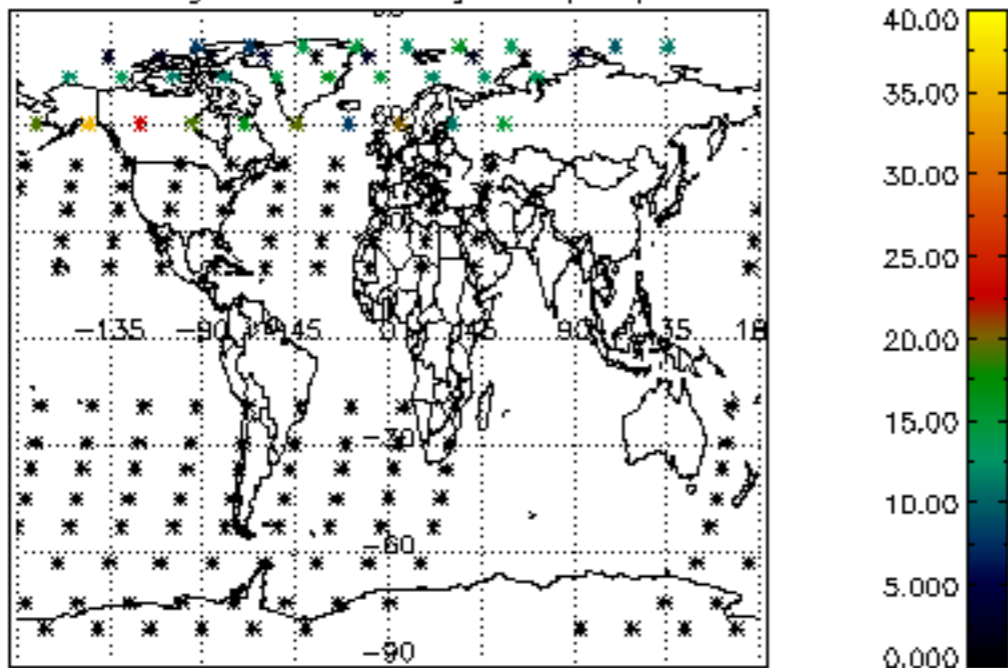
Percentage of star falling outside central band per profile



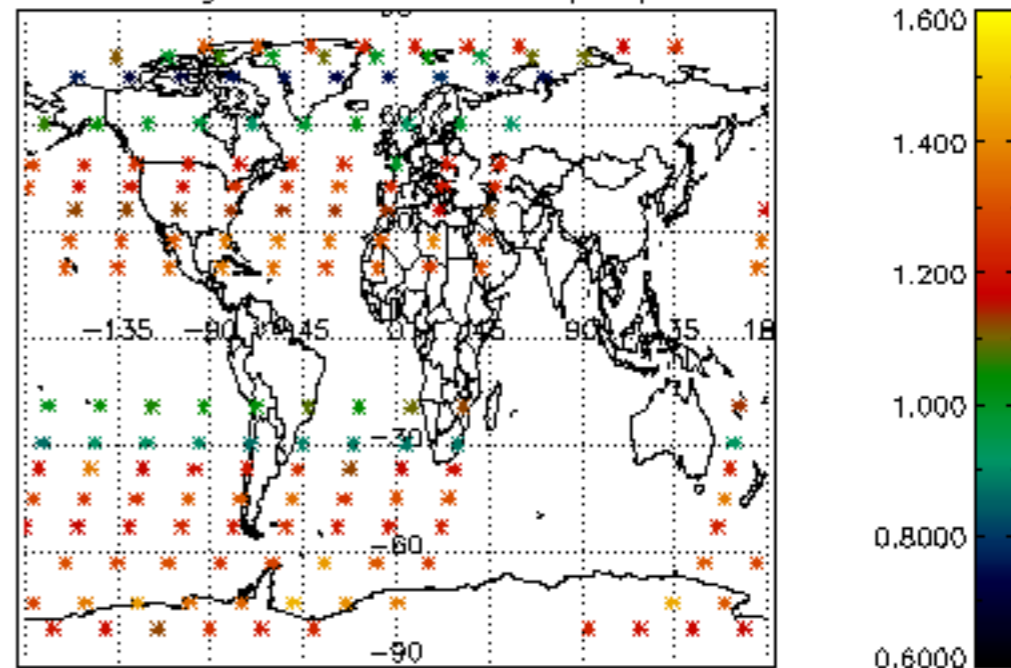
Percentage of saturation errors per profile



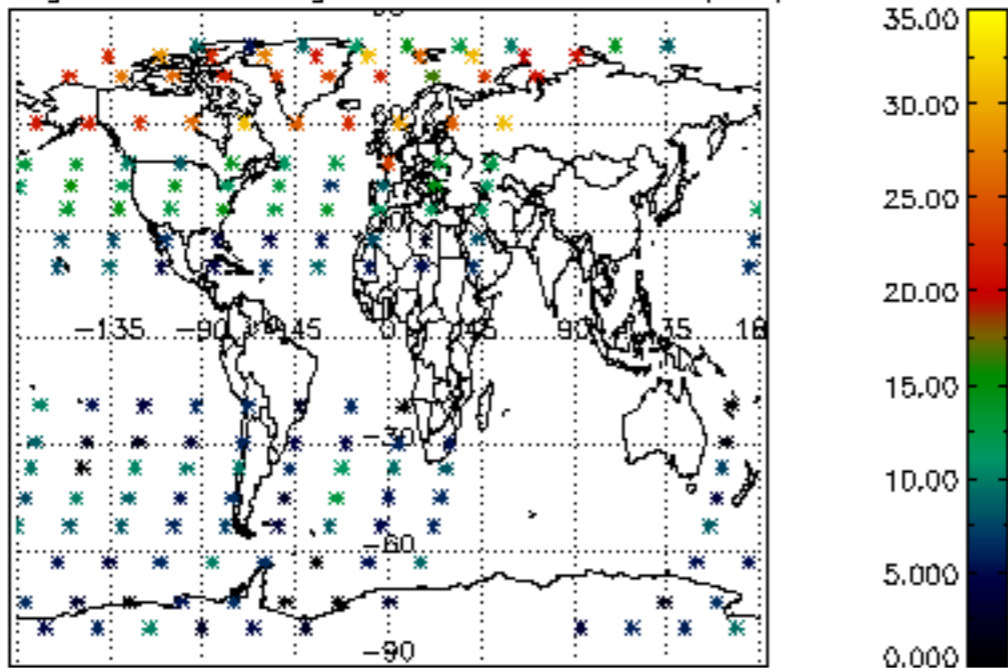
Percentage of cosmic ray hits per profile



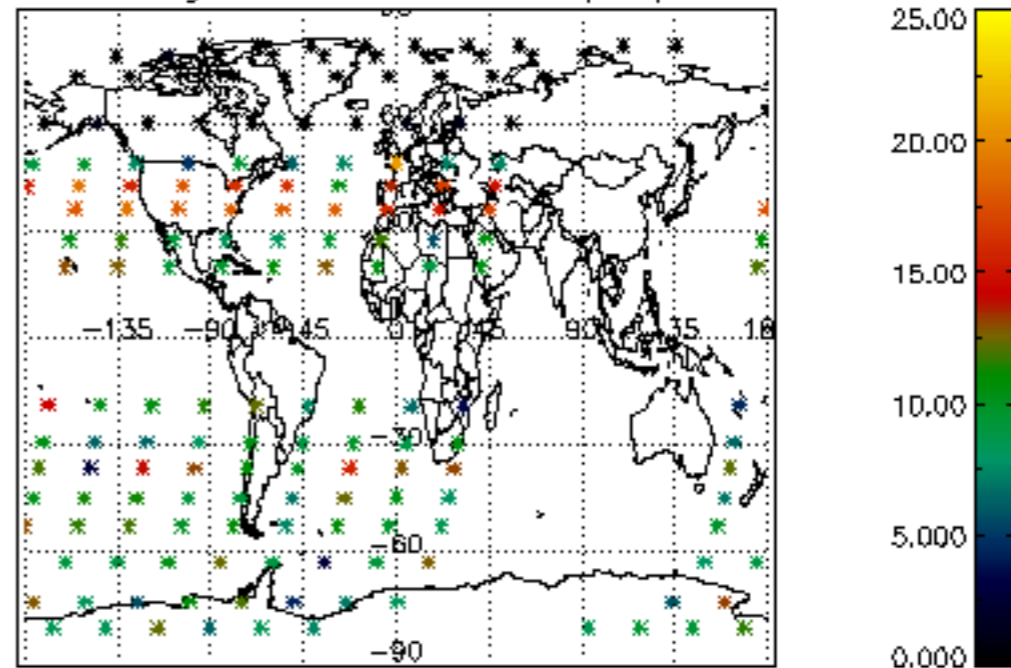
Percentage of datation errors per profile

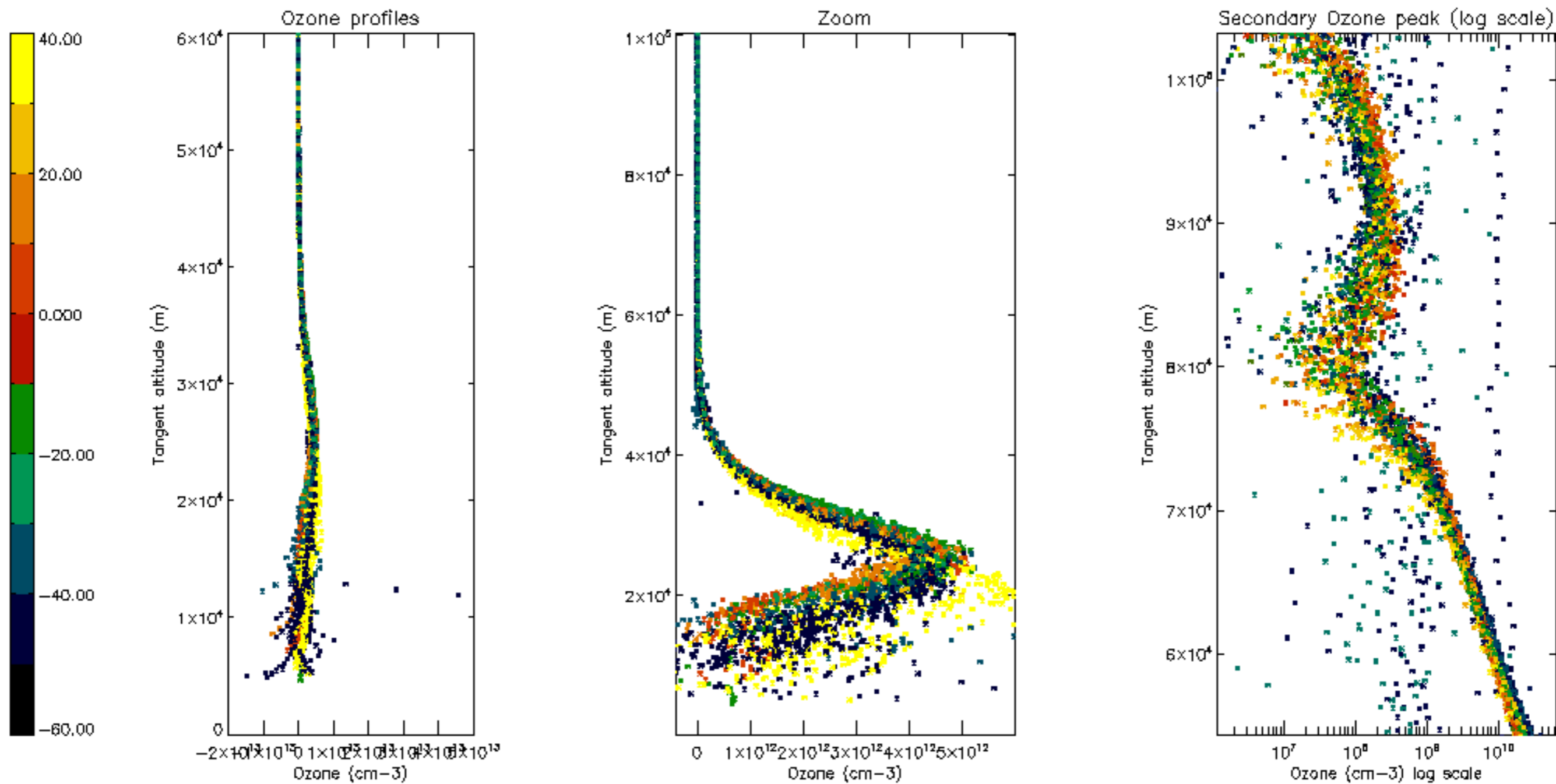


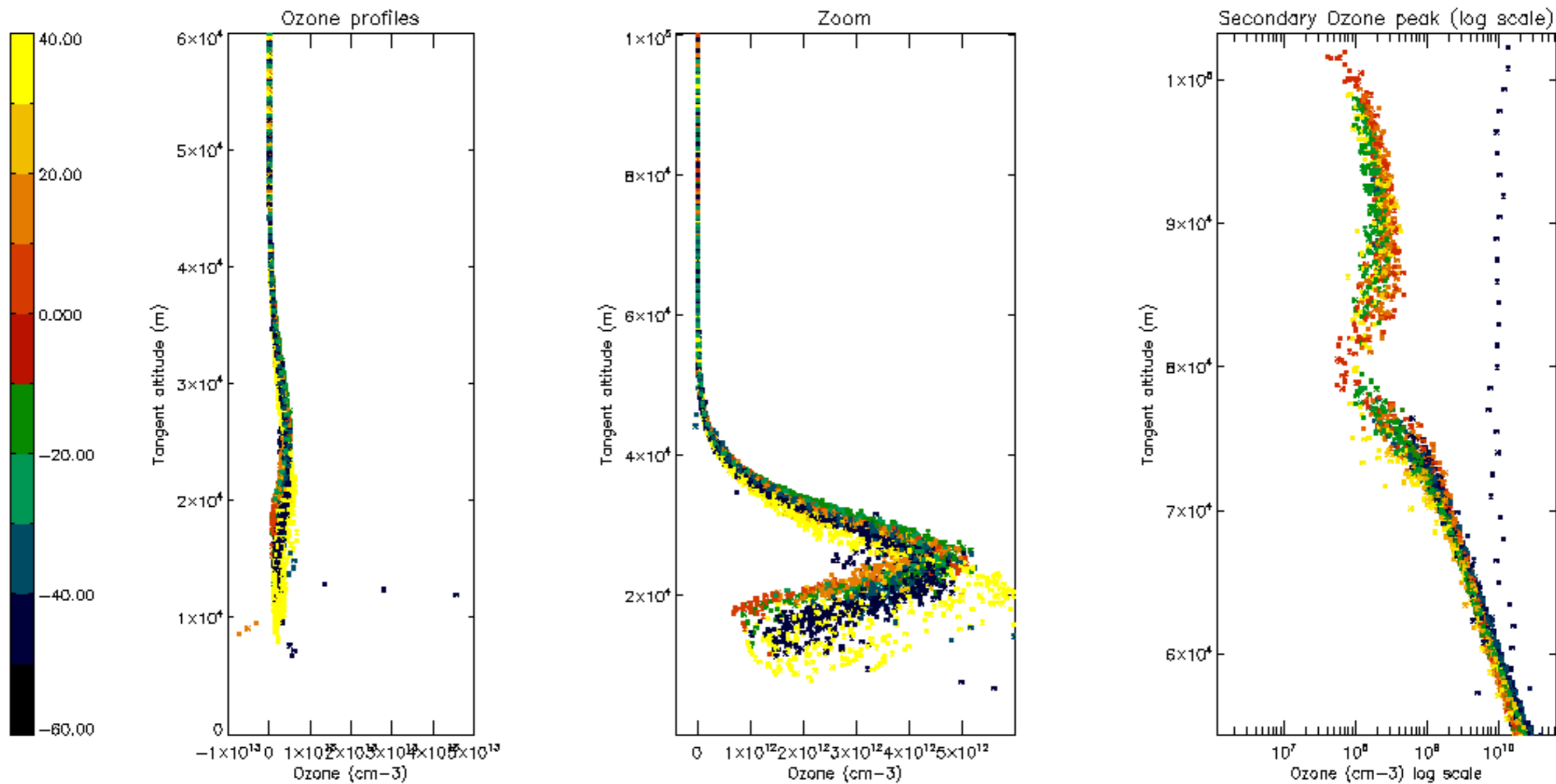
Percentage of star falling outside central band per profile

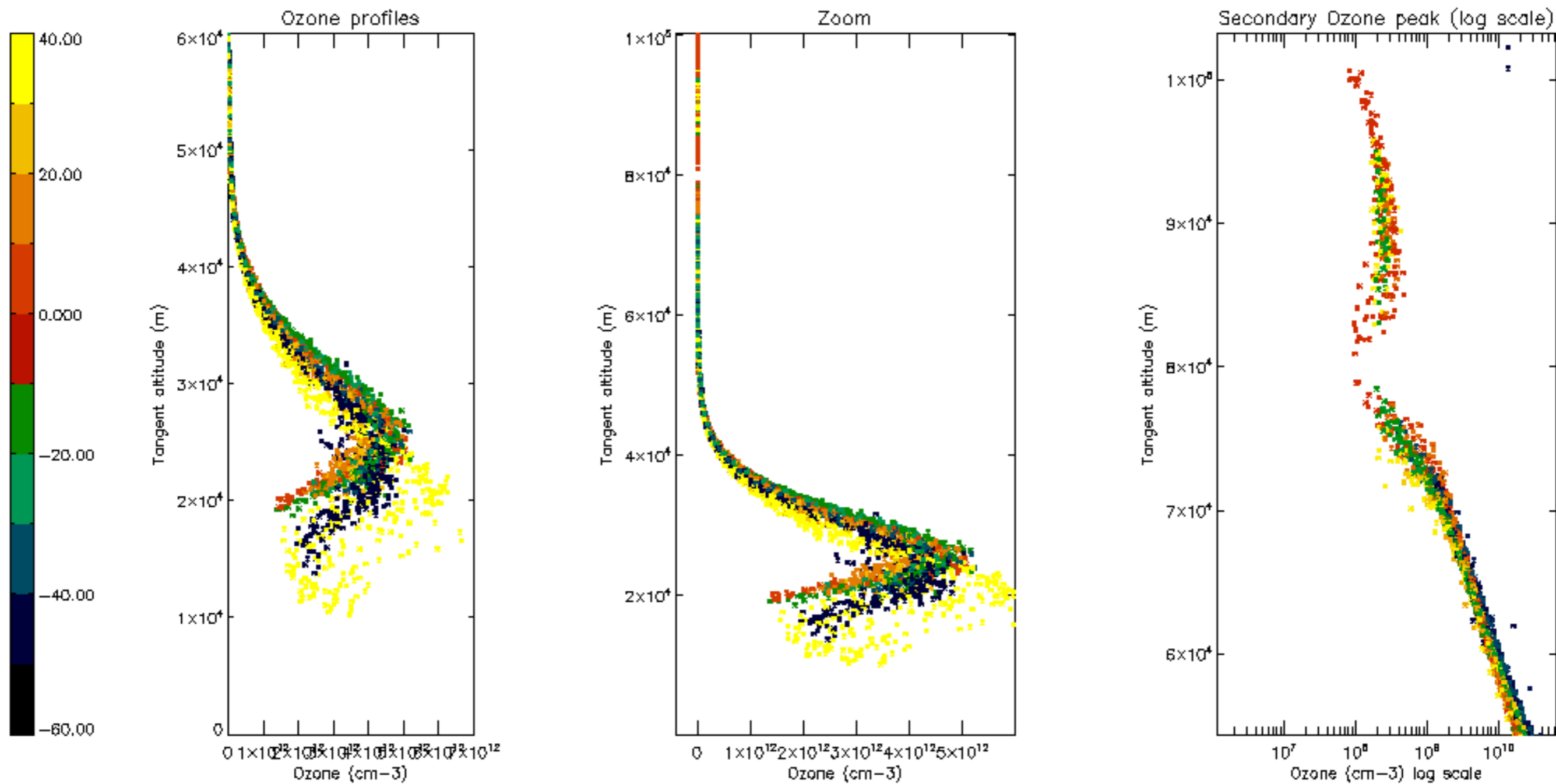


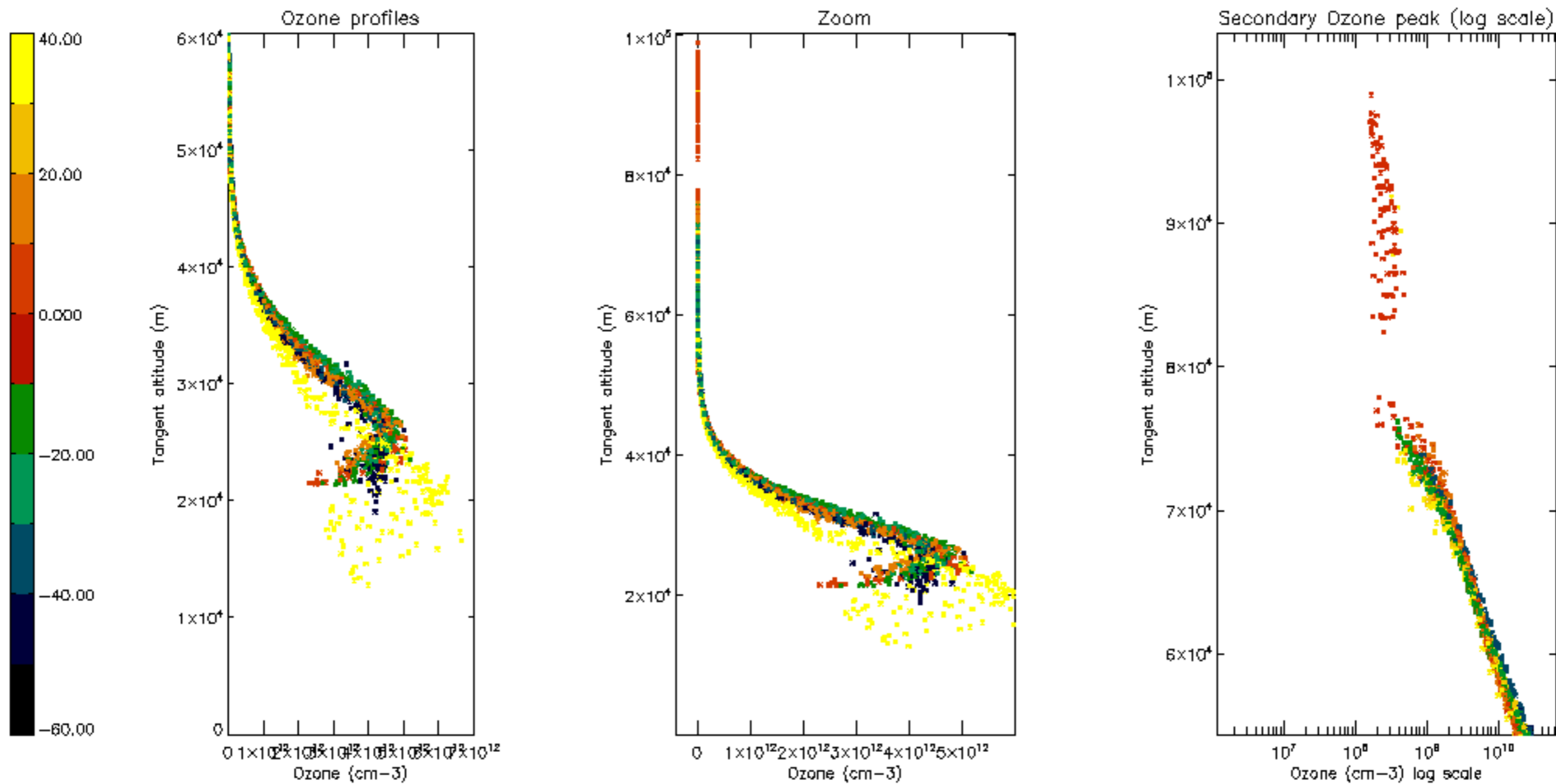
Percentage of saturation errors per profile

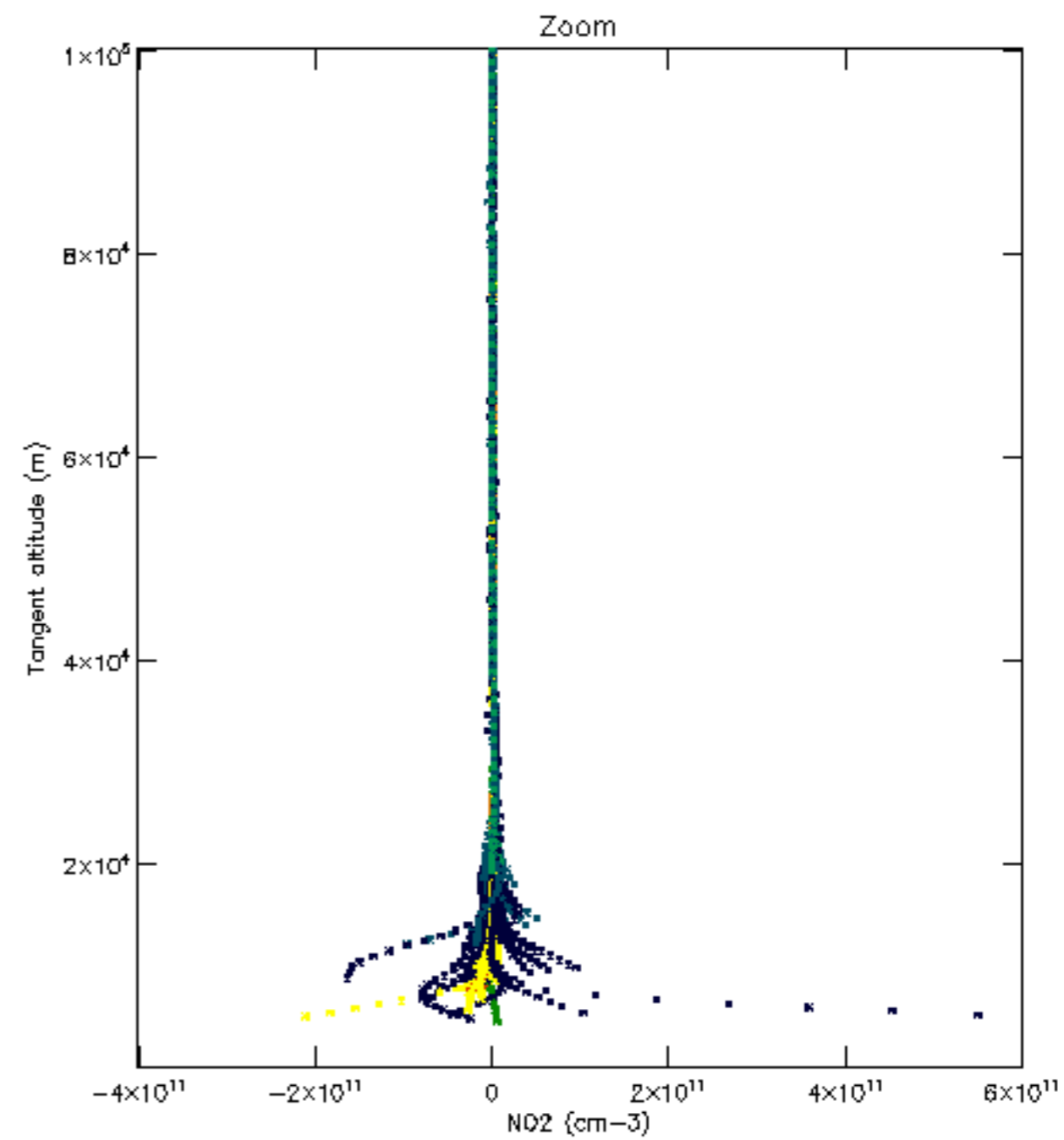
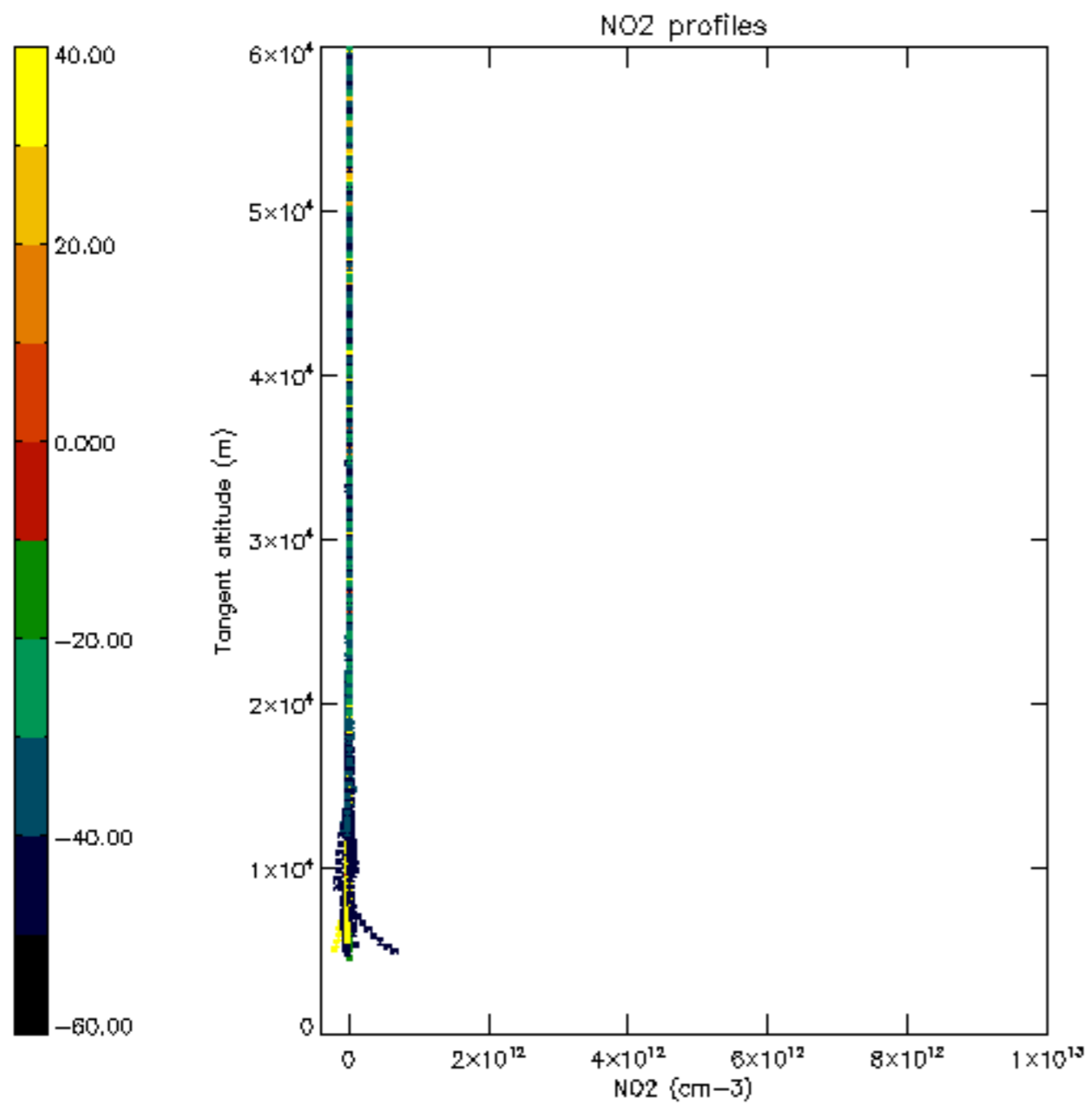


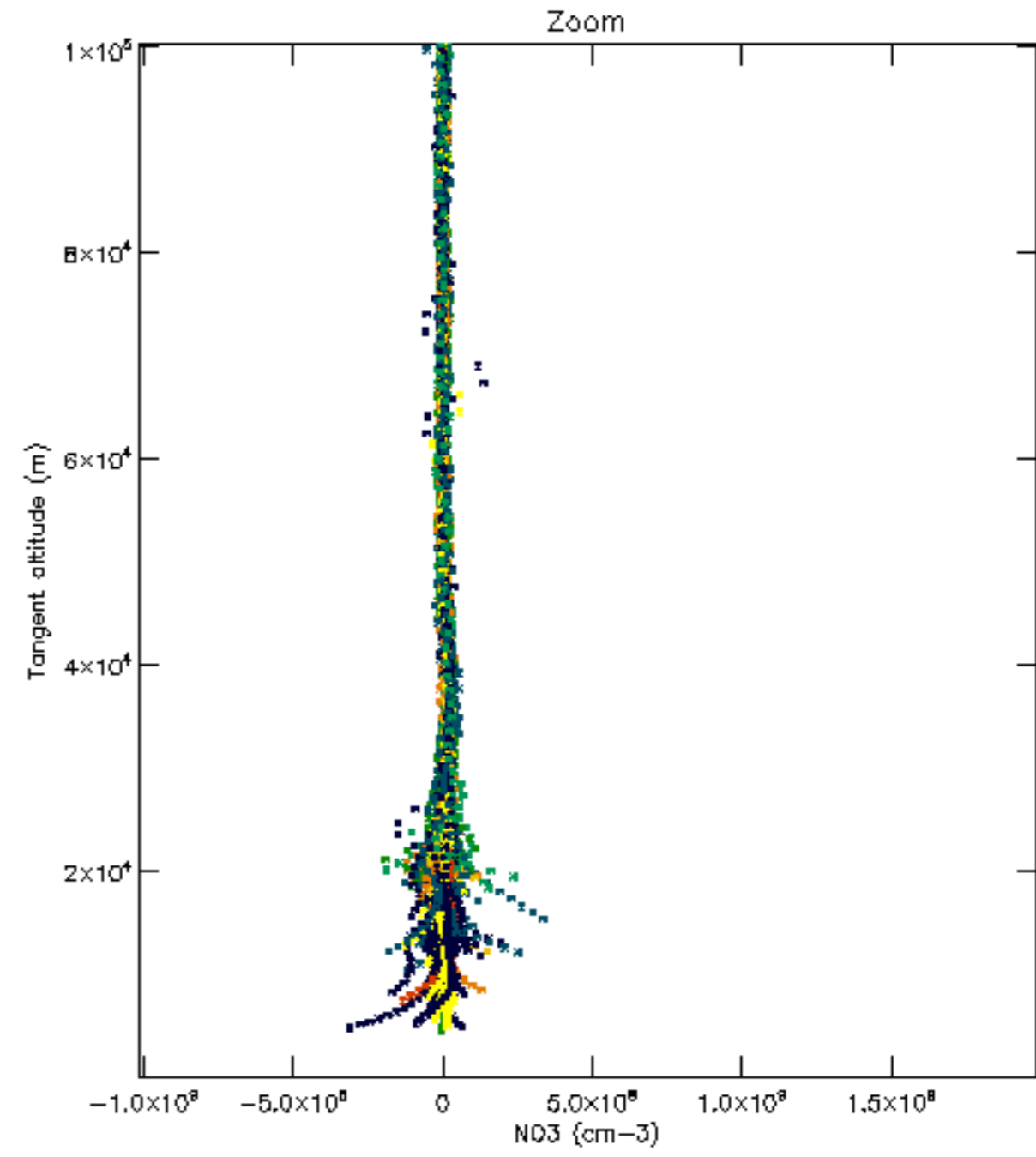
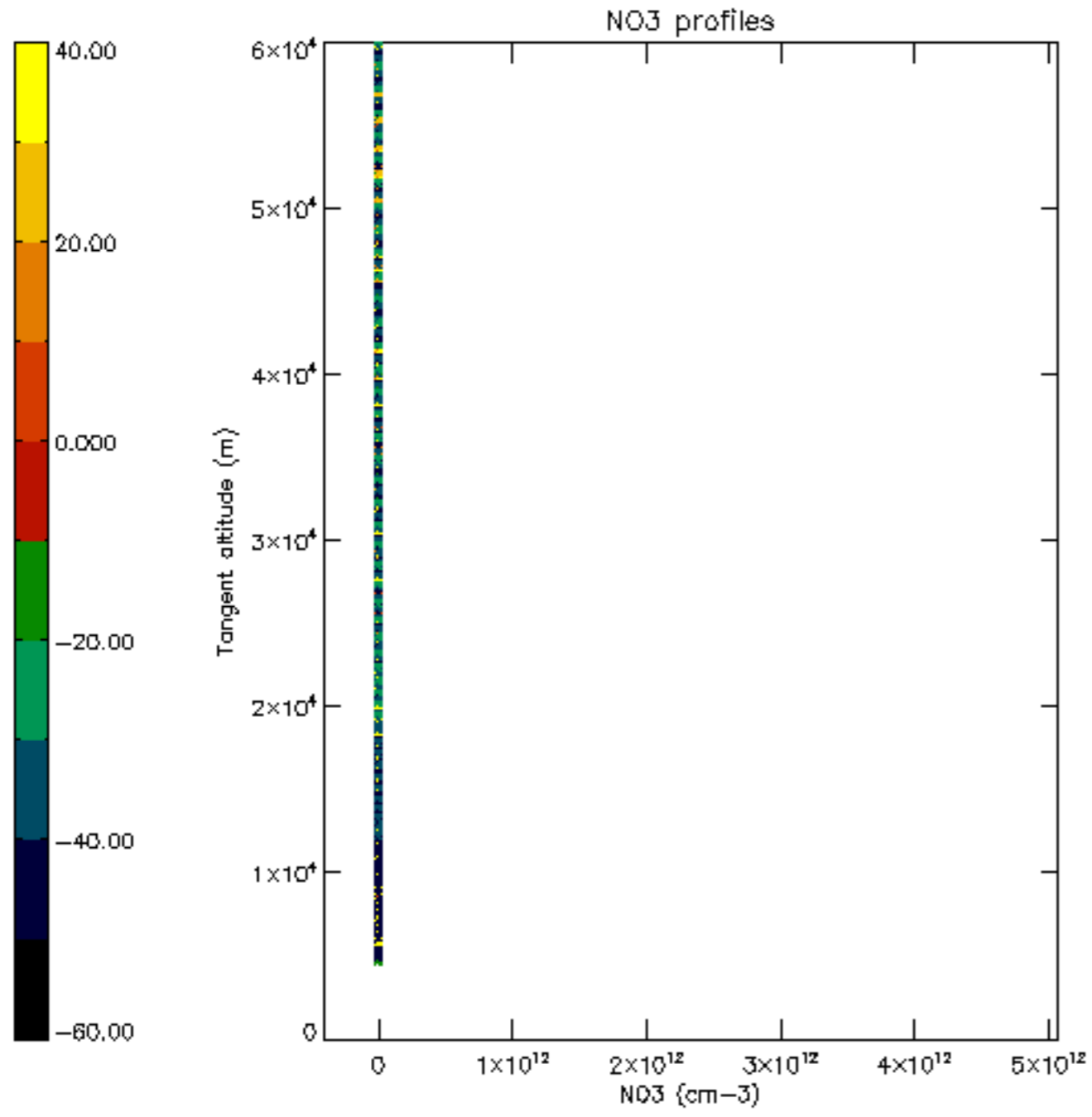


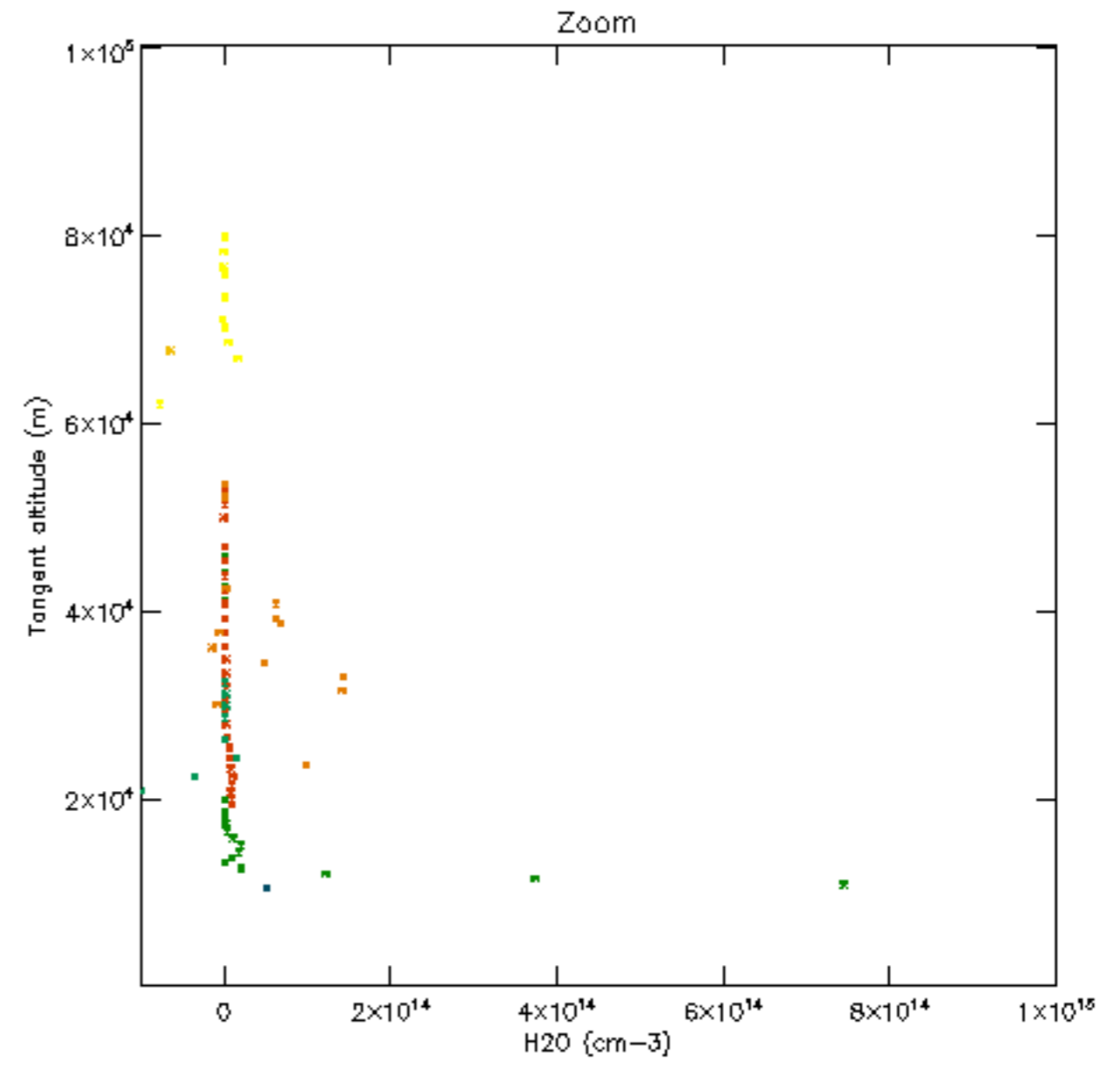
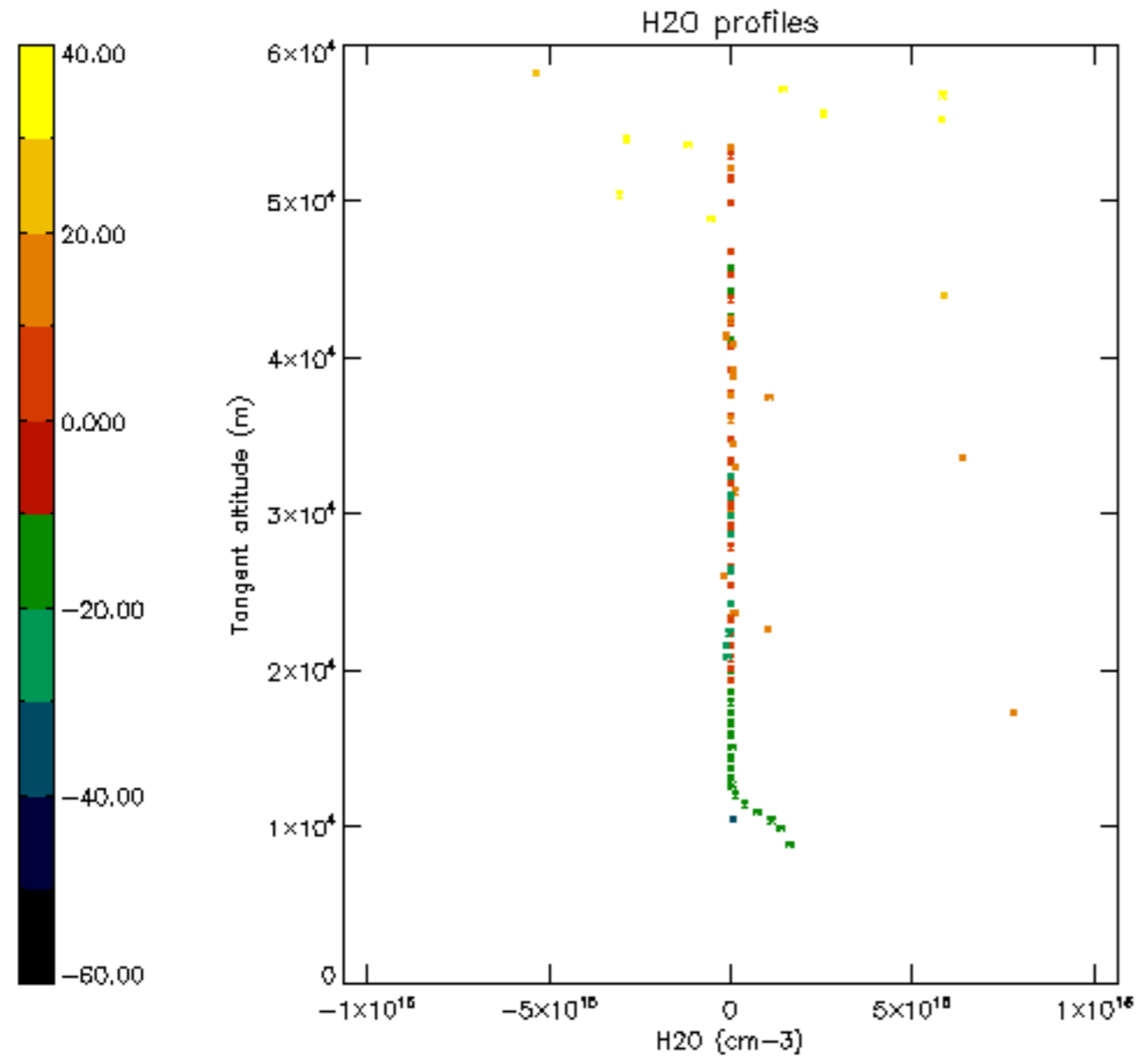


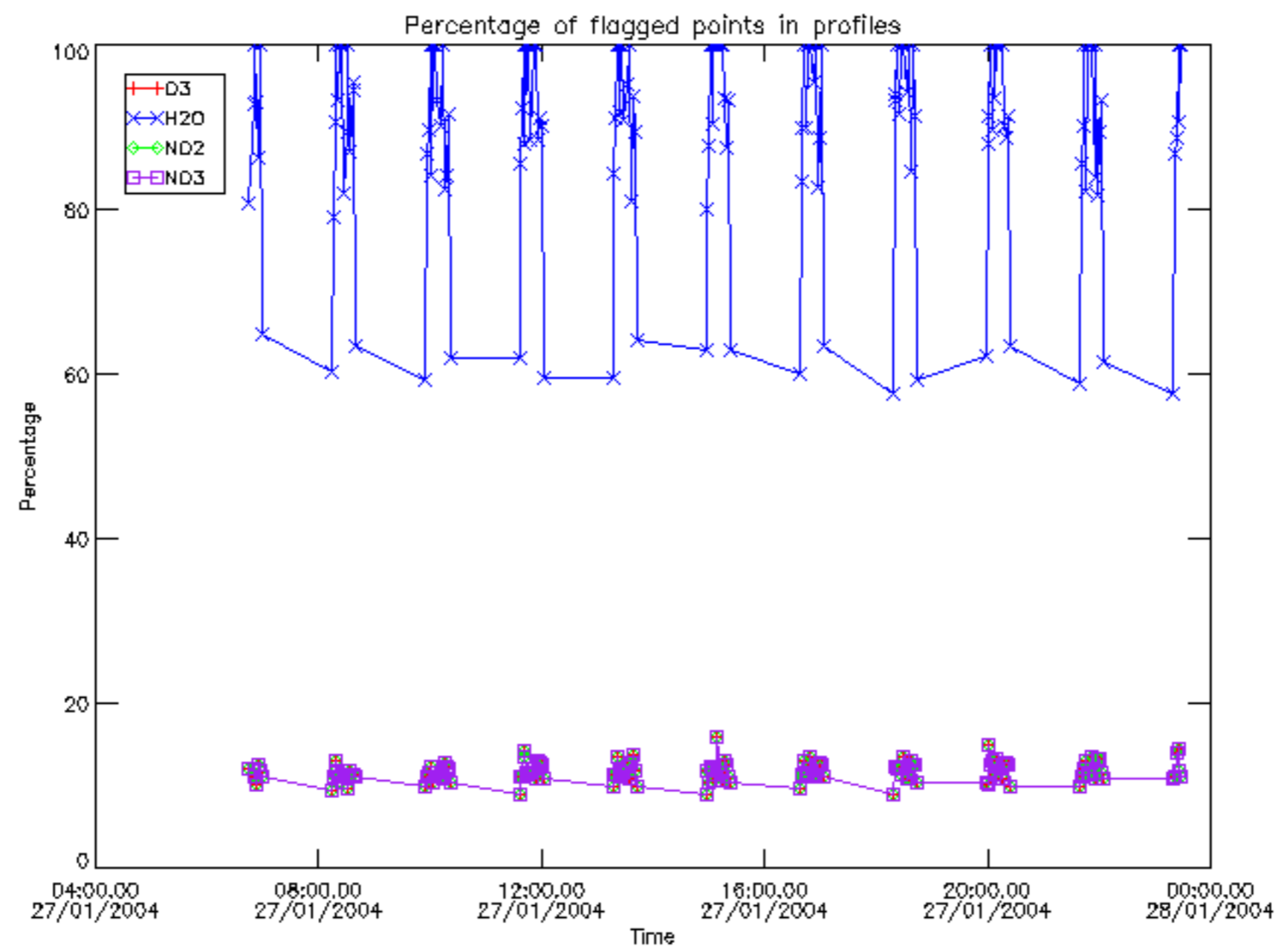




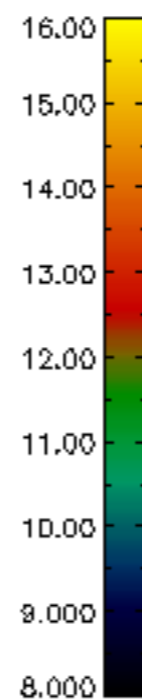
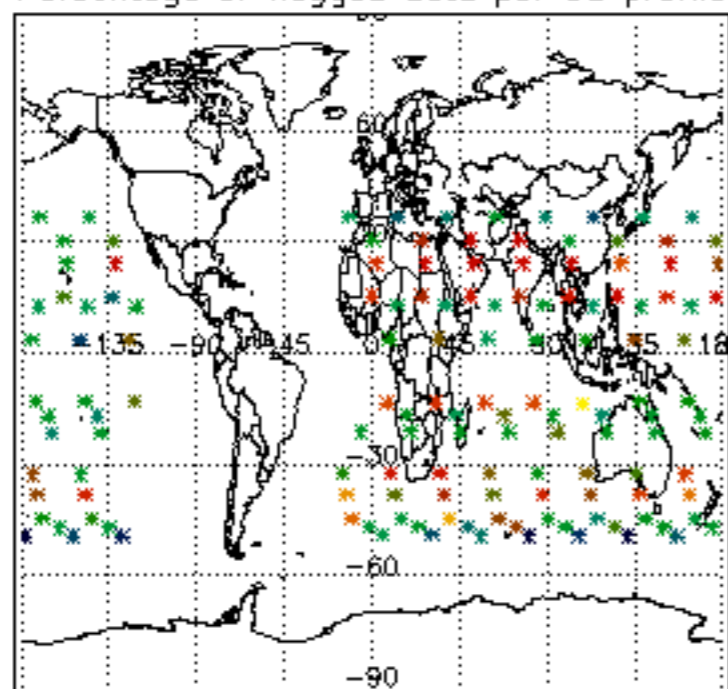




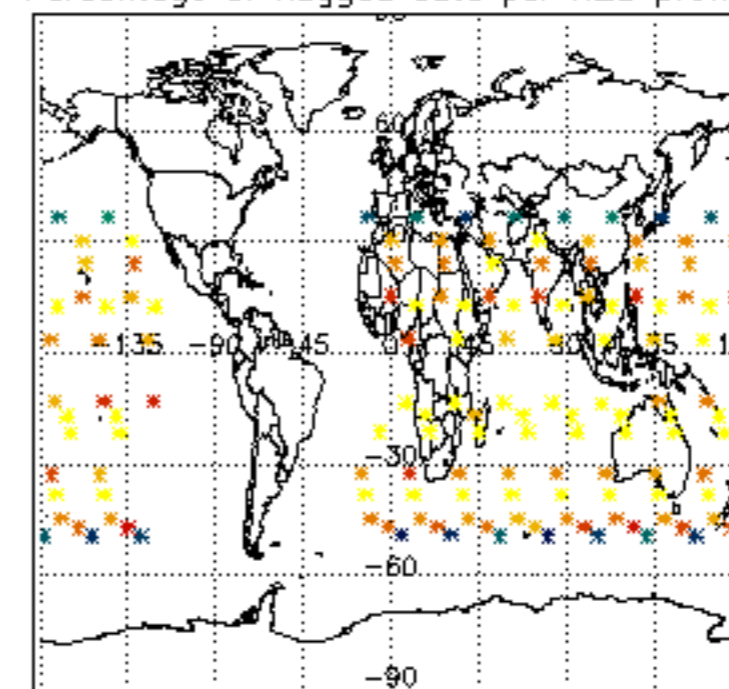




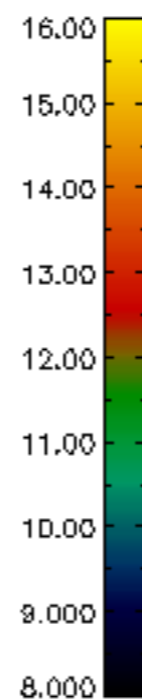
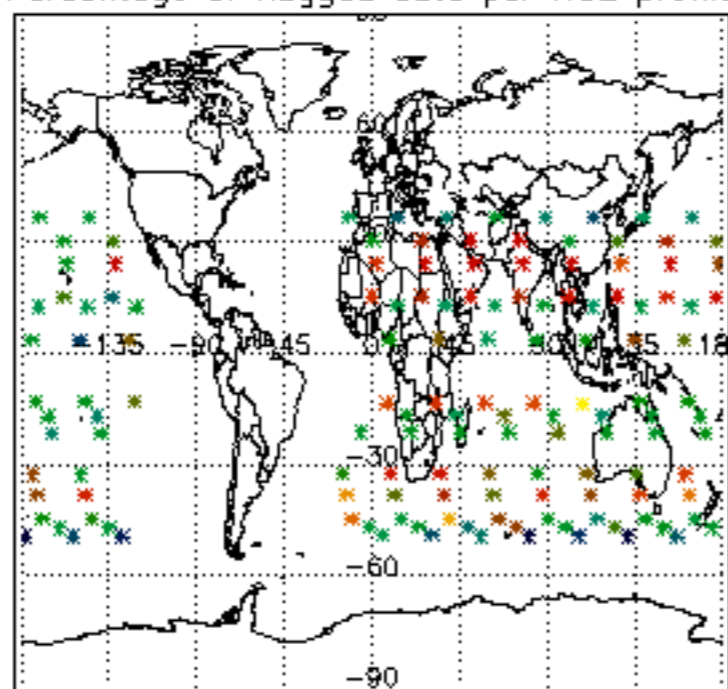
Percentage of flagged data per D3 profile



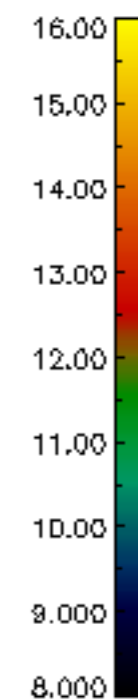
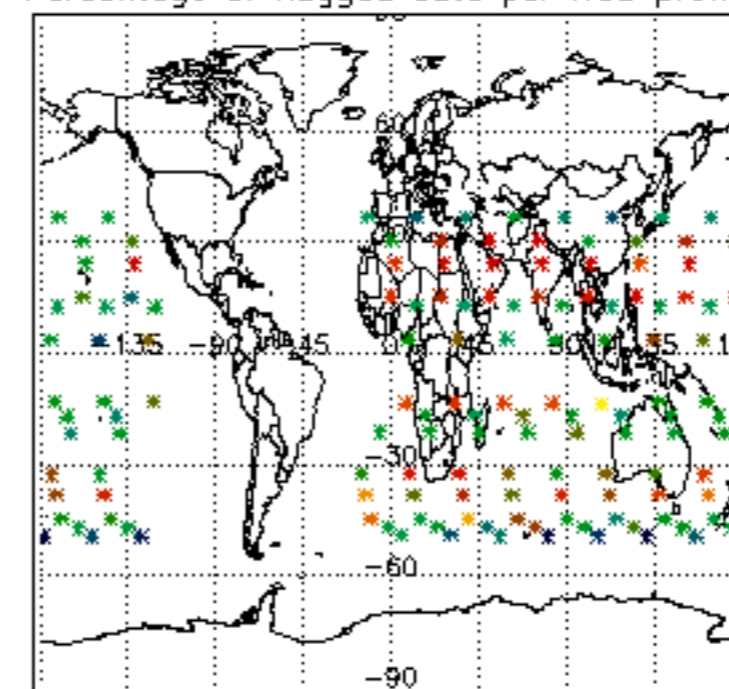
Percentage of flagged data per H2O profile

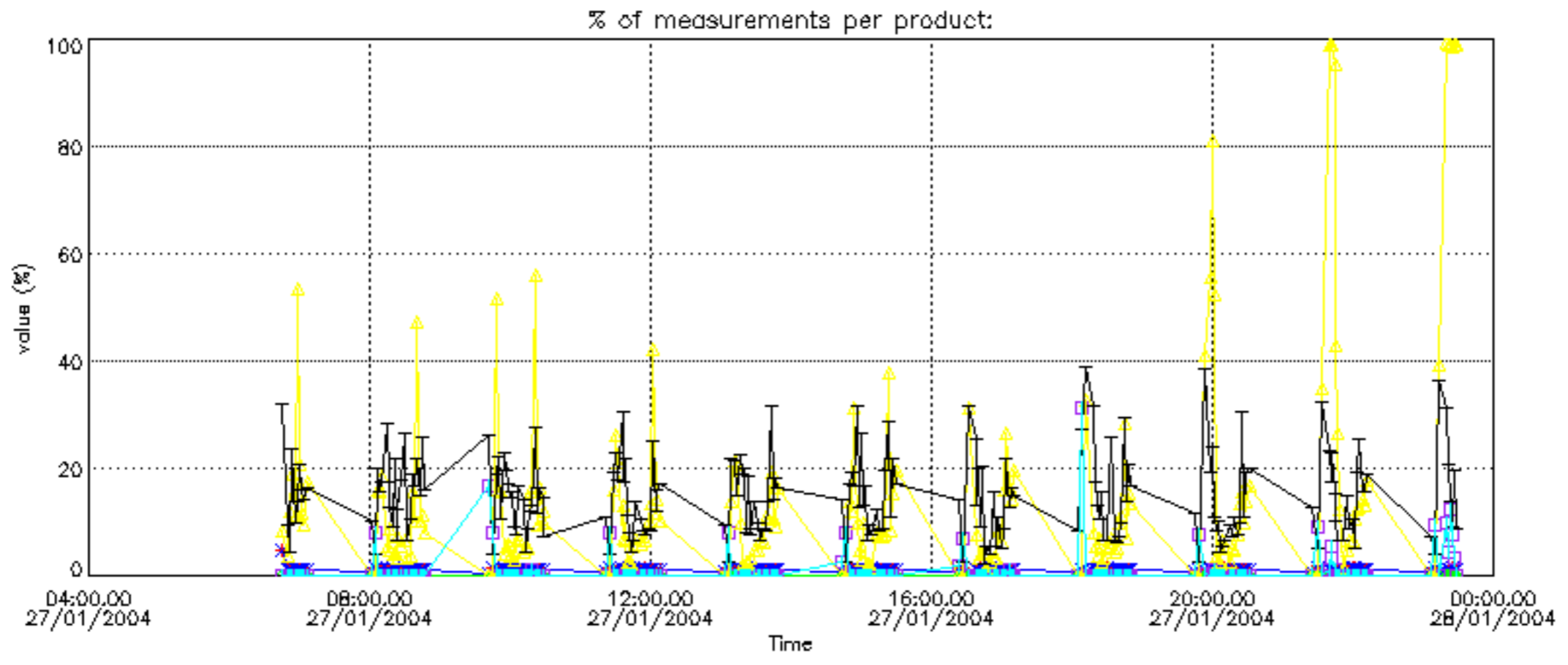


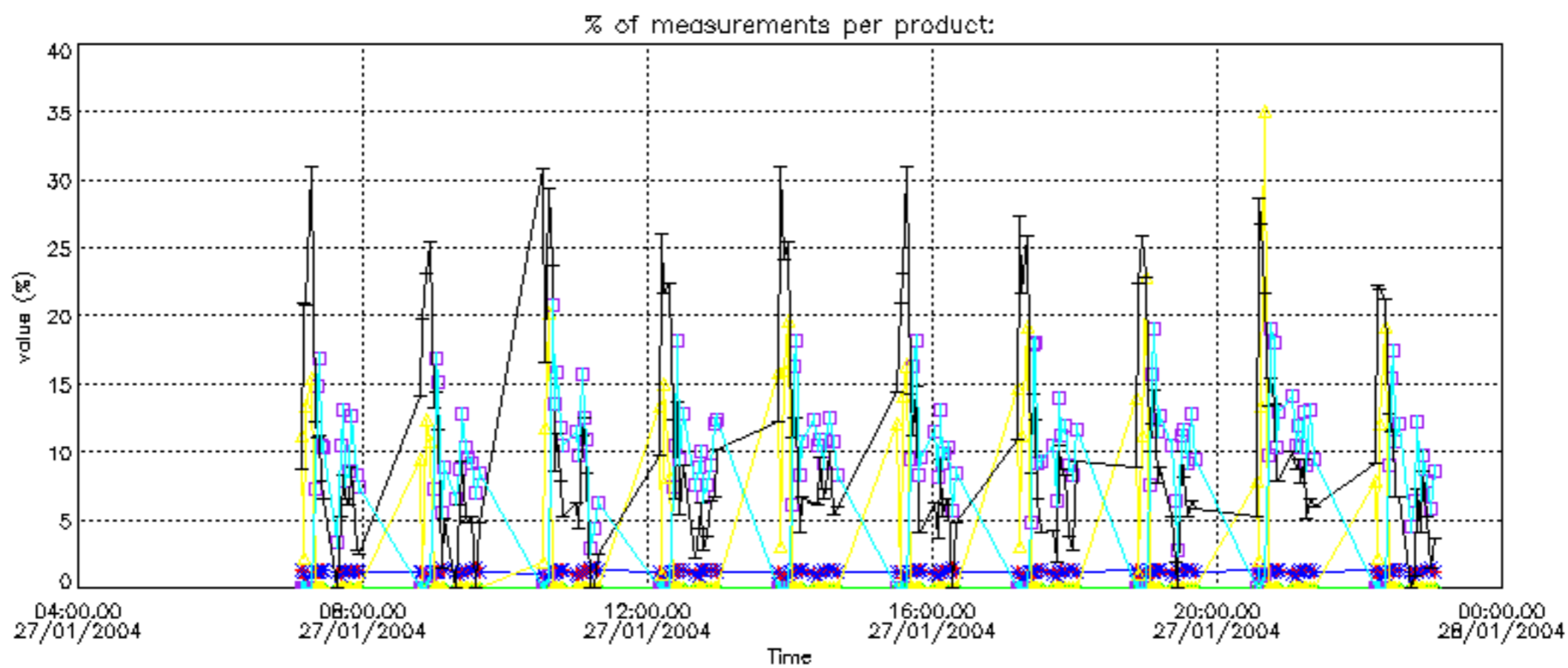
Percentage of flagged data per NO2 profile



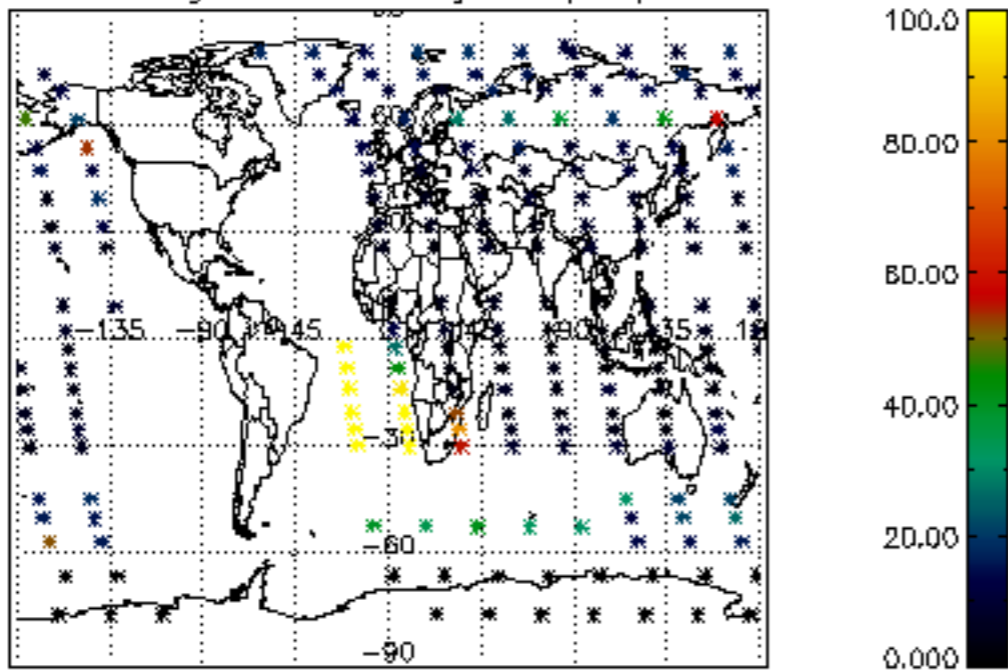
Percentage of flagged data per NO3 profile



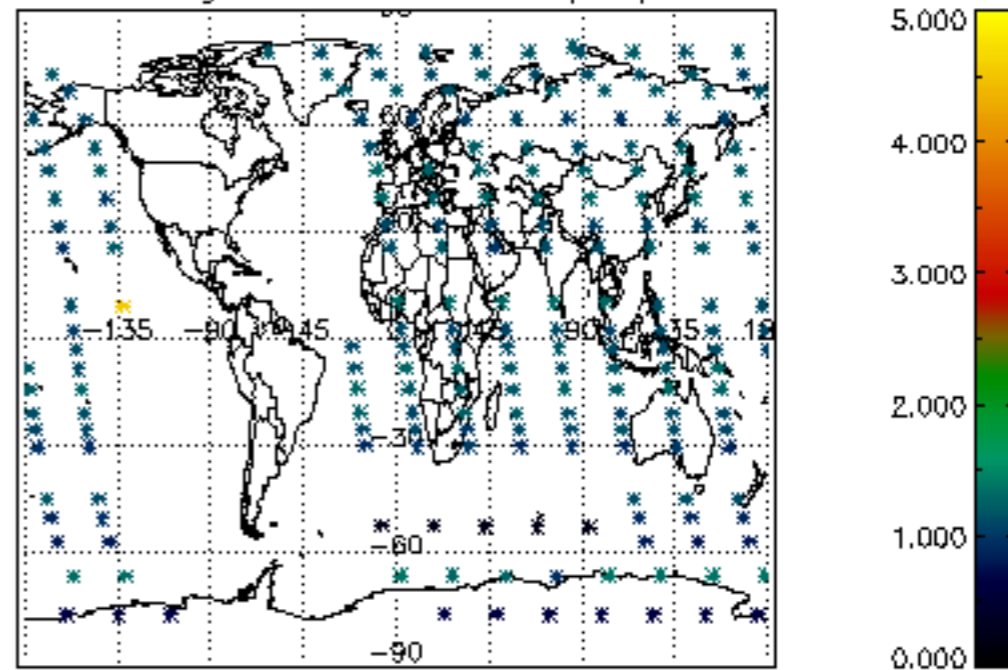




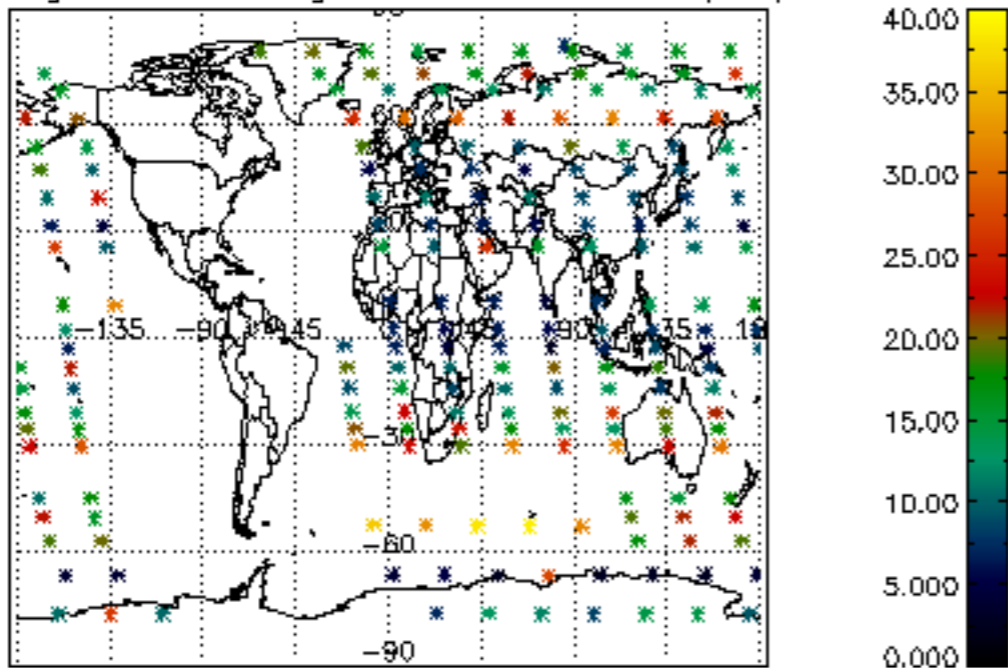
Percentage of cosmic ray hits per profile



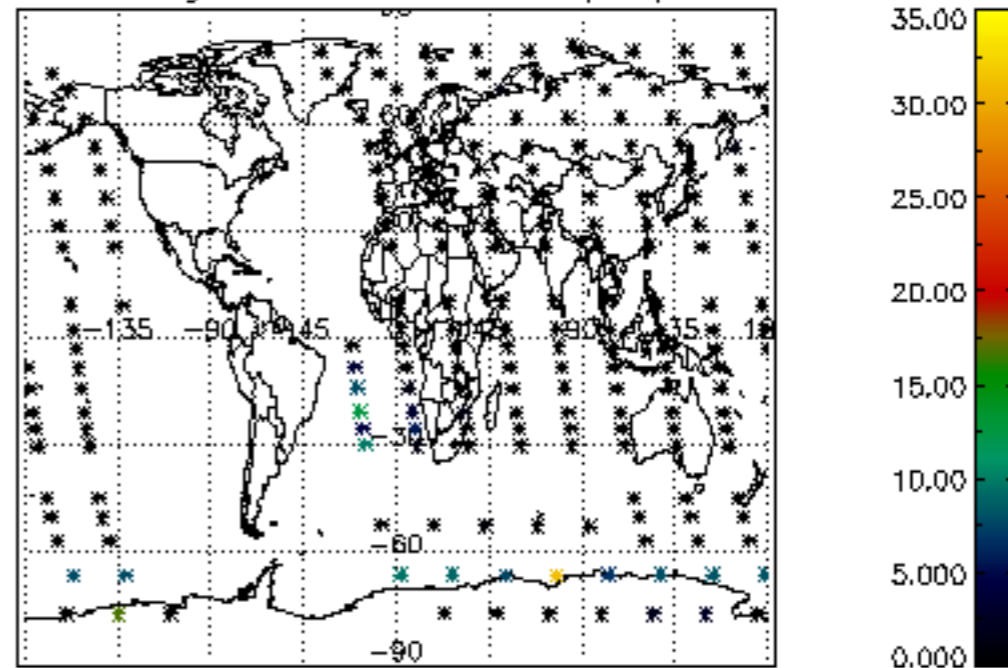
Percentage of datation errors per profile



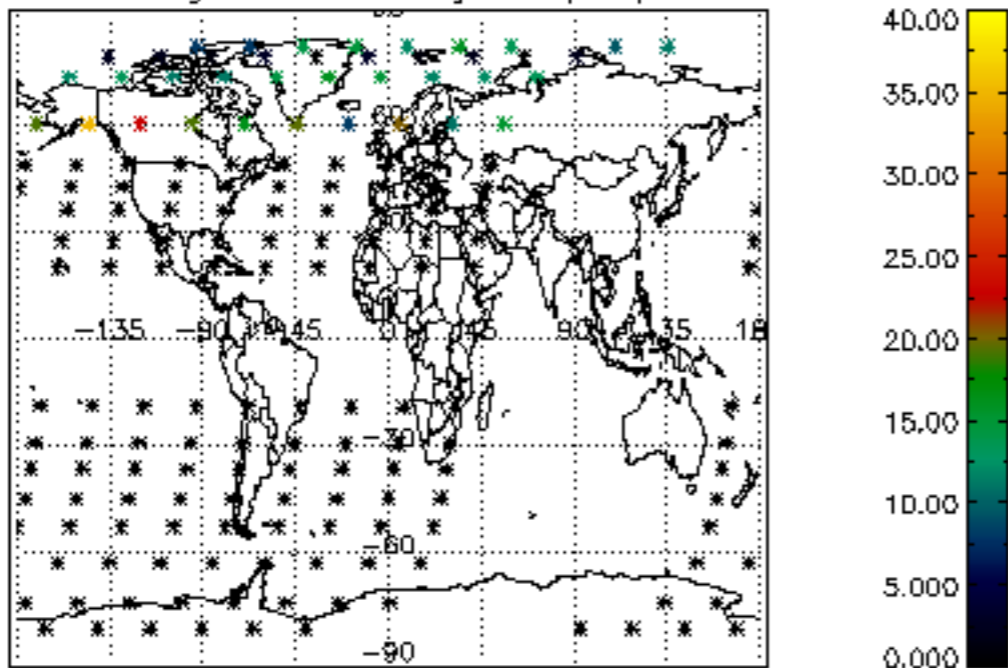
Percentage of star falling outside central band per profile



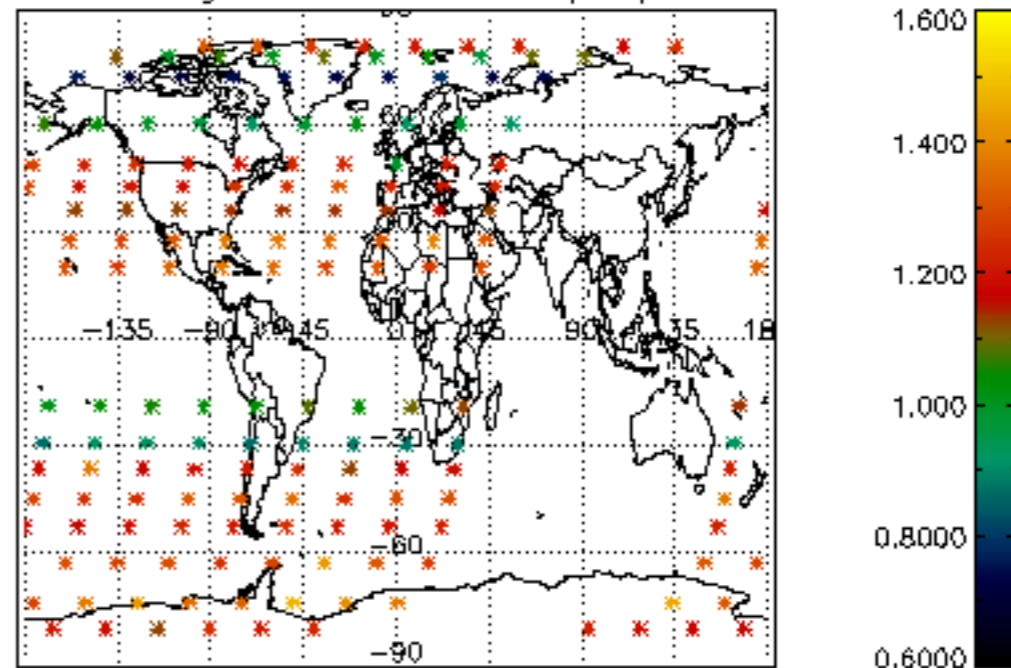
Percentage of saturation errors per profile



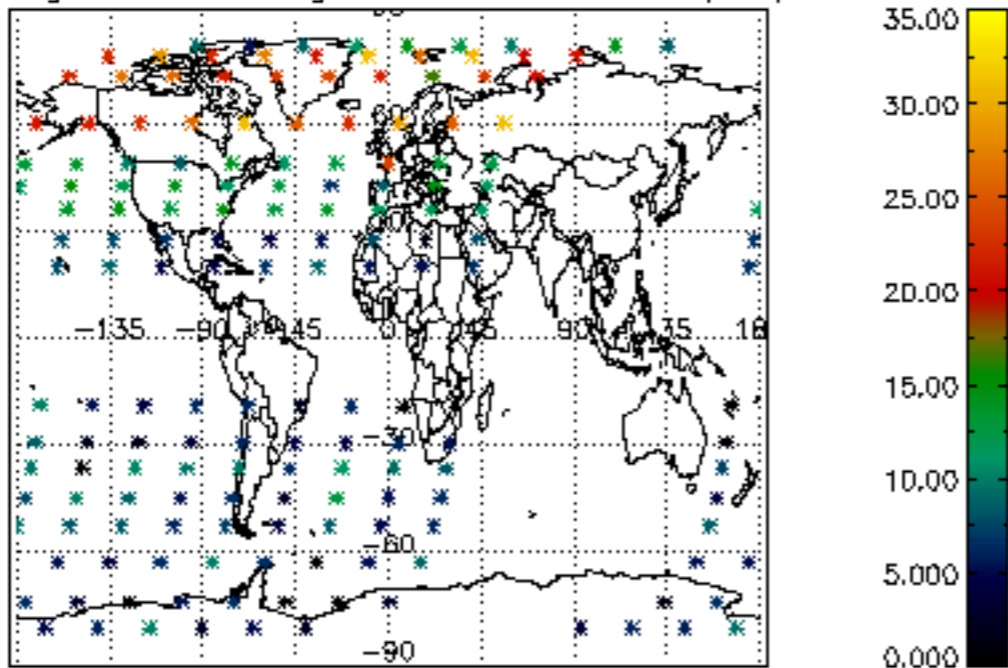
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

