

GOMOS Level 2 Daily Report

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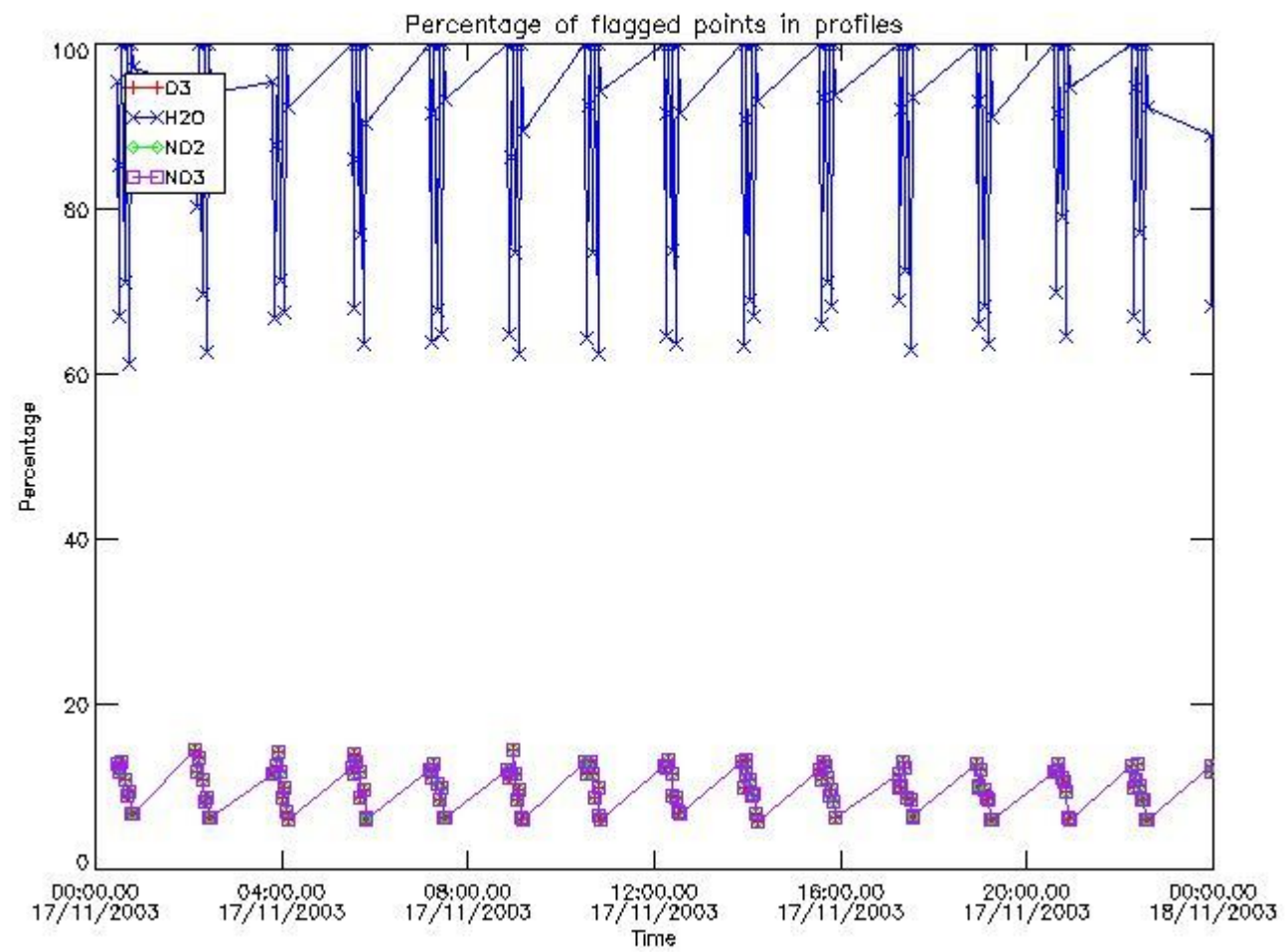
397	GOM_NL__2PRFIN20031117_201521_000000362021_00400_08971_8878.N1	17-NOV-2003 20:15:21	Bright	35.500	3	16Alp Boo	-0.050000	4250.0	71	8971	No
398	GOM_NL__2PRFIN20031117_201740_000000502021_00400_08971_8879.N1	17-NOV-2003 20:17:40	Bright	49.500	96	68Del Leo	2.5600	9300.0	99	8971	No
399	GOM_NL__2PRFIN20031117_201943_000001112021_00400_08971_8880.N1	17-NOV-2003 20:19:43	Twilight	111.00	166	17Eps Leo	2.9800	6000.0	222	8971	No
400	GOM_NL__2PRFIN20031117_202443_000001022021_00400_08971_8881.N1	17-NOV-2003 20:24:43	Straylight	102.00	22	32Alp Leo	1.3600	15200.	204	8971	No
401	GOM_NL__2PRFIN20031117_202830_000000502021_00400_08971_8882.N1	17-NOV-2003 20:28:30	Twilight	49.500	106	9Bet Crv	2.6480	5600.0	99	8971	No
402	GOM_NL__2PRFIN20031117_203507_000000432021_00400_08971_8883.N1	17-NOV-2003 20:35:07	Dark	43.000	64	Gam Cen	2.2000	10600.	86	8971	No
403	GOM_NL__2PRFIN20031117_203724_000000522021_00400_08971_8884.N1	17-NOV-2003 20:37:24	Dark	52.000	26	Gam Cru	1.6240	2900.0	104	8971	No
404	GOM_NL__2PRFIN20031117_203901_000000422021_00401_08972_8885.N1	17-NOV-2003 20:39:01	Dark	42.000	12	Alp1Cru	0.77500	30000.	84	8972	No
405	GOM_NL__2PRFIN20031117_204109_000000402021_00401_08972_8858.N1	17-NOV-2003 20:41:09	Dark	40.000	124	The Car	2.7640	30000.	80	8972	No
406	GOM_NL__2PRFIN20031117_204509_000000462021_00401_08972_8859.N1	17-NOV-2003 20:45:09	Dark	46.000	41	Eps Car	1.8600	4100.0	92	8972	No
407	GOM_NL__2PRFIN20031117_204714_000000582021_00401_08972_8860.N1	17-NOV-2003 20:47:14	Dark	58.000	70	Zet Pup	2.2460	39000.	116	8972	No
408	GOM_NL__2PRFIN20031117_205037_000000542021_00401_08972_8861.N1	17-NOV-2003 20:50:37	Dark	54.000	2	Alp Car	-0.73600	7000.0	108	8972	No
409	GOM_NL__2PRFIN20031117_205306_000000822021_00401_08972_8862.N1	17-NOV-2003 20:53:06	Dark	82.000	88	31Eta CMa	2.4480	20000.	164	8972	No
410	GOM_NL__2PRFIN20031117_205516_000000862021_00401_08972_8863.N1	17-NOV-2003 20:55:16	Dark	86.000	23	21Eps CMa	1.5020	26000.	172	8972	No
411	GOM_NL__2PRFIN20031117_205913_000000412021_00401_08972_8864.N1	17-NOV-2003 20:59:13	Straylight	41.000	157	The1Eri	2.9060	9300.0	82	8972	No
412	GOM_NL__2PRFIN20031117_210411_000001932021_00401_08972_8865.N1	17-NOV-2003 21:04:11	Straylight	193.00	1	9Alp CMa	-1.4400	11000.	386	8972	No
413	GOM_NL__2PRFIN20031117_210854_000000882021_00401_08972_8866.N1	17-NOV-2003 21:08:54	Twilight	88.000	7	19Bet Ori	0.10000	14000.	176	8972	No
414	GOM_NL__2PRFIN20031117_211200_000000542021_00401_08972_8867.N1	17-NOV-2003 21:12:00	Twilight	54.000	94	92Alp Cet	2.5260	3100.0	108	8972	No
415	GOM_NL__2PRFIN20031117_211854_000000432021_00401_08972_8868.N1	17-NOV-2003 21:18:54	Bright	43.000	146	25Eta Tau	2.8730	15200.	86	8972	No
416	GOM_NL__2PRFIN20031117_212050_000000382021_00401_08972_8869.N1	17-NOV-2003 21:20:50	Bright	37.500	173	4Bet Tri	3.0040	8900.0	75	8972	No
417	GOM_NL__2PRFIN20031117_212252_000000412021_00401_08972_8870.N1	17-NOV-2003 21:22:52	Bright	41.000	73	57Gam1And	2.2600	13100.	82	8972	No
418	GOM_NL__2PRFIN20031117_212551_000000432021_00401_08972_8871.N1	17-NOV-2003 21:25:51	Bright	42.500	35	33Alp Per	1.7950	6250.0	85	8972	No
419	GOM_NL__2PRFIN20031117_212757_000000402021_00401_08972_8872.N1	17-NOV-2003 21:27:57	Bright	40.000	110	37Del Cas	2.6780	8900.0	80	8972	No
420	GOM_NL__2PRFIN20031117_213210_000000582021_00401_08972_8873.N1	17-NOV-2003 21:32:10	Bright	57.500	42	34Bet Aur	1.9000	10200.	115	8972	No
421	GOM_NL__2PRFIN20031117_213608_000000402021_00401_08972_8874.N1	17-NOV-2003 21:36:08	Bright	40.000	49	1Alp UMi	1.9900	6300.0	80	8972	No
422	GOM_NL__2PRFIN20031117_214031_000000422021_00401_08972_8875.N1	17-NOV-2003 21:40:31	Bright	42.000	60	7Bet UMi	2.0810	3950.0	84	8972	No
423	GOM_NL__2PRFIN20031117_214231_000000402021_00401_08972_8876.N1	17-NOV-2003 21:42:31	Bright	39.500	119	14Eta Dra	2.7270	4700.0	79	8972	No
424	GOM_NL__2PRFIN20031117_214522_000000422021_00401_08972_8877.N1	17-NOV-2003 21:45:22	Bright	42.000	82	48Bet UMa	2.3650	10600.	84	8972	No
425	GOM_NL__2PRFIN20031117_214749_000000522021_00401_08972_8878.N1	17-NOV-2003 21:47:49	Bright	52.000	39	85Eta UMa	1.8540	24000.	104	8972	No
426	GOM_NL__2PRFIN20031117_214928_000000462021_00401_08972_8879.N1	17-NOV-2003 21:49:28	Bright	46.000	174	52Psi UMa	3.0040	4400.0	92	8972	No
427	GOM_NL__2PRFIN20031117_215119_000000372021_00401_08972_8880.N1	17-NOV-2003 21:51:19	Bright	37.000	152	12Alp2CVn	2.8900	11000.	74	8972	No
428	GOM_NL__2PRFIN20031117_215557_000000352021_00401_08972_8881.N1	17-NOV-2003 21:55:57	Bright	35.000	3	16Alp Boo	-0.050000	4250.0	70	8972	No
429	GOM_NL__2PRFIN20031117_215816_000000522021_00401_08972_8882.N1	17-NOV-2003 21:58:16	Bright	52.000	96	68Del Leo	2.5600	9300.0	104	8972	No
430	GOM_NL__2PRFIN20031117_220020_000001122021_00401_08972_8883.N1	17-NOV-2003 22:00:20	Twilight	111.50	166	17Eps Leo	2.9800	6000.0	223	8972	No
431	GOM_NL__2PRFIN20031117_220520_000001002021_00401_08972_8884.N1	17-NOV-2003 22:05:20	Straylight	99.500	22	32Alp Leo	1.3600	15200.	199	8972	No
432	GOM_NL__2PRFIN20031117_220908_000000452021_00401_08972_8885.N1	17-NOV-2003 22:09:08	Twilight	45.000	106	9Bet Crv	2.6480	5600.0	90	8972	No
433	GOM_NL__2PRFIN20031117_221543_000000412021_00401_08972_8886.N1	17-NOV-2003 22:15:43	Dark	40.500	64	Gam Cen	2.2000	10600.	81	8972	No
434	GOM_NL__2PRFIN20031117_221759_000000522021_00401_08972_8887.N1	17-NOV-2003 22:17:59	Dark	52.000	26	Gam Cru	1.6240	2900.0	104	8972	No
435	GOM_NL__2PRFIN20031117_221937_000000482021_00402_08973_8888.N1	17-NOV-2003 22:19:37	Dark	47.500	12	Alp1Cru	0.77500	30000.	95	8973	No
436	GOM_NL__2PRFIN20031117_222144_000000402021_00402_08973_8858.N1	17-NOV-2003 22:21:44	Dark	40.000	124	The Car	2.7640	30000.	80	8973	No
437	GOM_NL__2PRFIN20031117_222546_000000512021_00402_08973_8859.N1	17-NOV-2003 22:25:46	Dark	50.500	41	Eps Car	1.8600	4100.0	101	8973	No
438	GOM_NL__2PRFIN20031117_222749_000000602021_00402_08973_8860.N1	17-NOV-2003 22:27:49	Dark	60.000	70	Zet Pup	2.2460	39000.	120	8973	No
439	GOM_NL__2PRFIN20031117_223116_000000612021_00402_08973_8861.N1	17-NOV-2003 22:31:16	Dark	61.000	2	Alp Car	-0.73600	7000.0	122	8973	No
440	GOM_NL__2PRFIN20031117_223344_000000852021_00402_08973_8862.N1	17-NOV-2003 22:33:44	Dark	85.000	88	31Eta CMa	2.4480	20000.	170	8973	No
441	GOM_NL__2PRFIN20031117_223553_000000862021_00402_08973_8863.N1	17-NOV-2003 22:35:53	Dark	86.000	23	21Eps CMa	1.5020	26000.	172	8973	No
442	GOM_NL__2PRFIN20031117_223949_000000412021_00402_08973_8864.N1	17-NOV-2003 22:39:49	Straylight	40.500	157	The1Eri	2.9060	9300.0	81	8973	No
443	GOM_NL__2PRFIN20031117_224447_000001902021_00402_08973_8865.N1	17-NOV-2003 22:44:47	Straylight	189.50	1	9Alp CMa	-1.4400	11000.	379	8973	No
444	GOM_NL__2PRFIN20031117_224930_000000912021_00402_08973_8866.N1	17-NOV-2003 22:49:30	Twilight	91.000	7	19Bet Ori	0.10000	14000.	182	8973	No
445	GOM_NL__2PRFIN20031117_225236_000000552021_00402_08973_8867.N1	17-NOV-2003 22:52:36	Twilight	55.000	94	92Alp Cet	2.5260	3100.0	110	8973	No
446	GOM_NL__2PRFIN20031117_225929_000000432021_00402_08973_8868.N1	17-NOV-2003 22:59:29	Bright	42.500	146	25Eta Tau	2.8730	15200.	85	8973	No
447	GOM_NL__2PRFIN20031117_230124_000000392021_00402_08973_8869.N1	17-NOV-2003 23:01:24	Bright	39.000	173	4Bet Tri	3.0040	8900.0	78	8973	No
448	GOM_NL__2PRFIN20031117_230328_000000402021_00402_08973_8870.N1	17-NOV-2003 23:03:28	Bright	39.500	73	57Gam1And	2.2600	13100.	79	8973	No
449	GOM_NL__2PRFIN20031117_230629_000000432021_00402_08973_8871.N1	17-NOV-2003 23:06:29	Bright	42.500	35	33Alp Per	1.7950	6250.0	85	8973	No
450	GOM_NL__2PRFIN20031117_230835_000000372021_00402_08973_8872.N1	17-NOV-2003 23:08:35	Bright	37.000	110	37Del Cas	2.6780	8900.0	74	8973	No
451	GOM_NL__2PRFIN20031117_231245_000000632021_00402_08973_8873.N1	17-NOV-2003 23:12:45	Bright	62.500	42	34Bet Aur	1.9000	10200.	125	8973	No
452	GOM_NL__2PRFIN20031117_231645_000000392021_00402_08973_8874.N1	17-NOV-2003 23:16:45	Bright	38.500	49	1Alp UMi	1.9900	6300.0	77	8973	No
453	GOM_NL__2PRFIN20031117_232109_000000402021_00402_08973_8875.N1	17-NOV-2003 23:21:09	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	8973	No
454	GOM_NL__2PRFIN20031117_232307_000000412021_00402_08973_8876.N1	17-NOV-2003 23:23:07	Bright	40.500	119	14Eta Dra	2.7270	4700.0	81	8973	No
455	GOM_NL__2PRFIN20031117_232558_000000422021_00402_08973_8877.N1	17-NOV-2003 23:25:58	Bright	42.000	82	48Bet UMa	2.3650	10600.	84	8973	No

456	GOM_NL__2PRFIN20031117_232827_000000352021_00402_08973_8878.N1	17-NOV-2003 23:28:27	Bright	35.000	39	85Eta UMa	1.8540	24000.	70	8973	No
457	GOM_NL__2PRFIN20031117_233004_000000592021_00402_08973_8879.N1	17-NOV-2003 23:30:04	Bright	59.000	174	52Psi UMa	3.0040	4400.0	118	8973	No
458	GOM_NL__2PRFIN20031117_233155_000000372021_00402_08973_8880.N1	17-NOV-2003 23:31:55	Bright	36.500	152	12Alp2CVn	2.8900	11000.	73	8973	No
459	GOM_NL__2PRFIN20031117_233633_000000362021_00402_08973_8881.N1	17-NOV-2003 23:36:33	Bright	36.000	3	16Alp Boo	-0.050000	4250.0	72	8973	No
460	GOM_NL__2PRFIN20031117_233853_000000492021_00402_08973_8882.N1	17-NOV-2003 23:38:53	Bright	48.500	96	68Del Leo	2.5600	9300.0	97	8973	No
461	GOM_NL__2PRFIN20031117_234057_000001142021_00402_08973_8883.N1	17-NOV-2003 23:40:57	Twilight	114.00	166	17Eps Leo	2.9800	6000.0	228	8973	No
462	GOM_NL__2PRFIN20031117_234558_000001022021_00402_08973_8884.N1	17-NOV-2003 23:45:58	Straylight	102.00	22	32Alp Leo	1.3600	15200.	204	8973	No
463	GOM_NL__2PRFIN20031117_234944_000000492021_00402_08973_8885.N1	17-NOV-2003 23:49:44	Twilight	49.000	106	9Bet Crv	2.6480	5600.0	98	8973	No
464	GOM_NL__2PRFIN20031117_235620_000000412021_00402_08973_8886.N1	17-NOV-2003 23:56:20	Dark	41.000	64	Gam Cen	2.2000	10600.	82	8973	No
465	GOM_NL__2PRFIN20031117_235836_000000432021_00402_08973_8887.N1	17-NOV-2003 23:58:36	Dark	43.000	26	Gam Cru	1.6240	2900.0	86	8973	No

3. Quality information per product

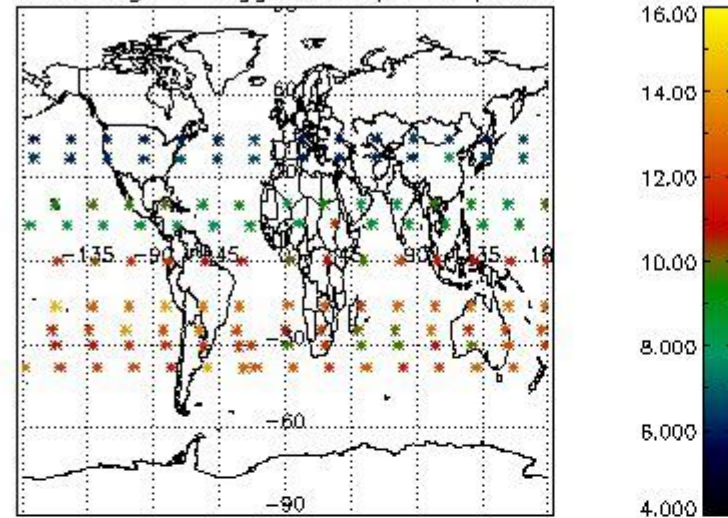
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

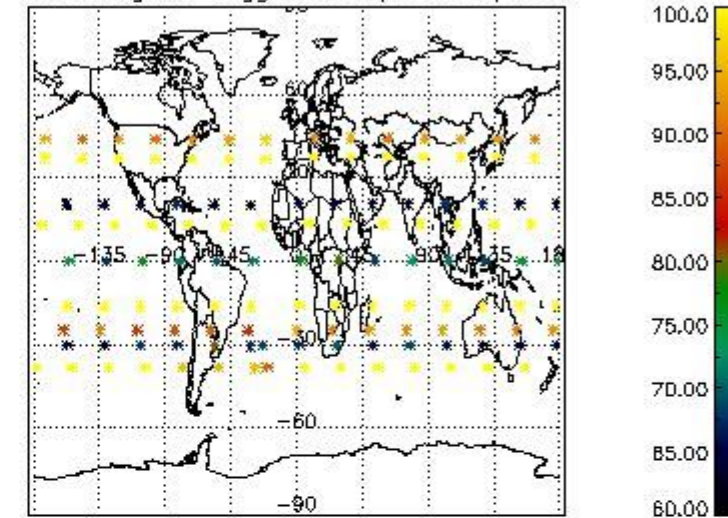


3.2 Plot quality information per product (world map)

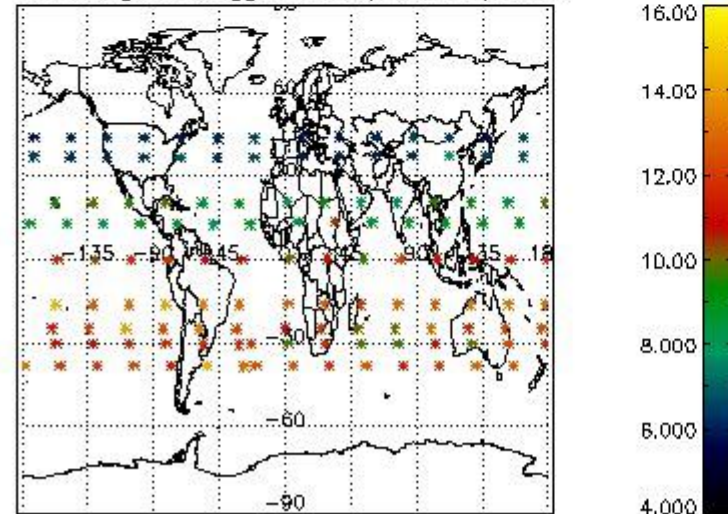
Percentage of flagged data per O3 profile



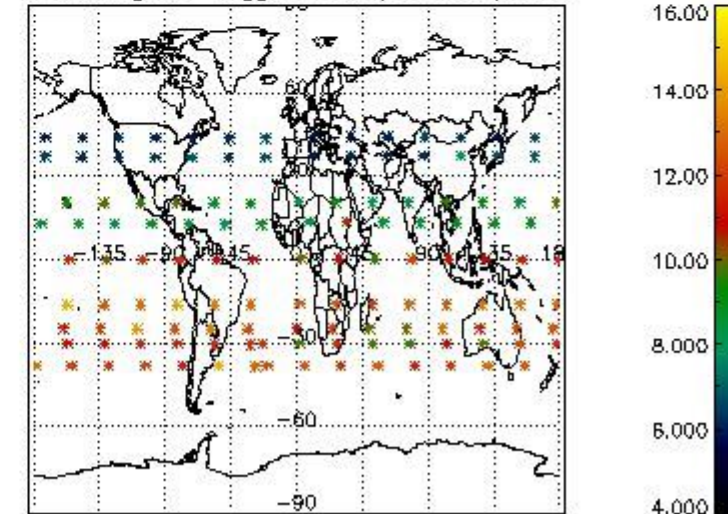
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

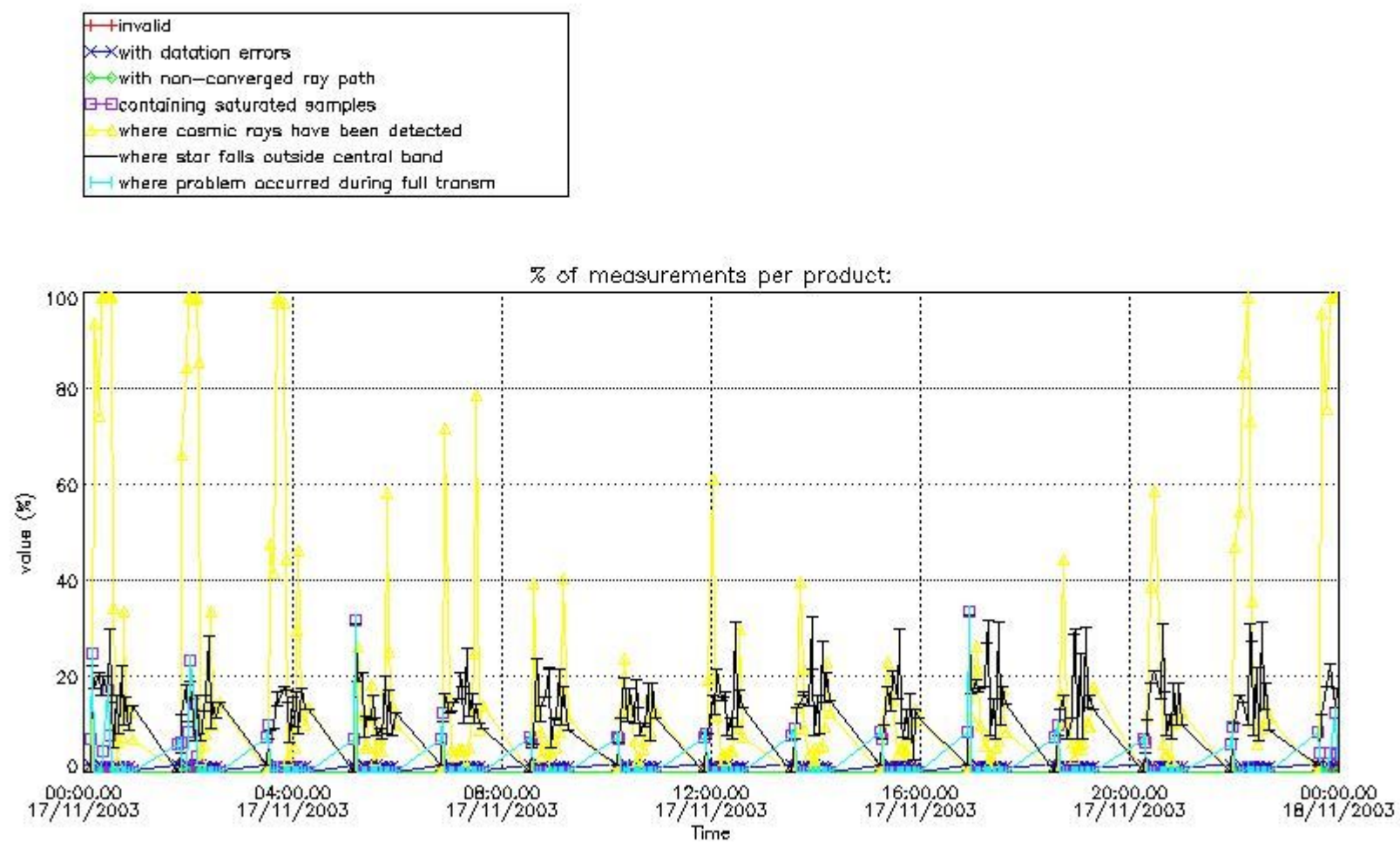


4. Level 1 quality information per product

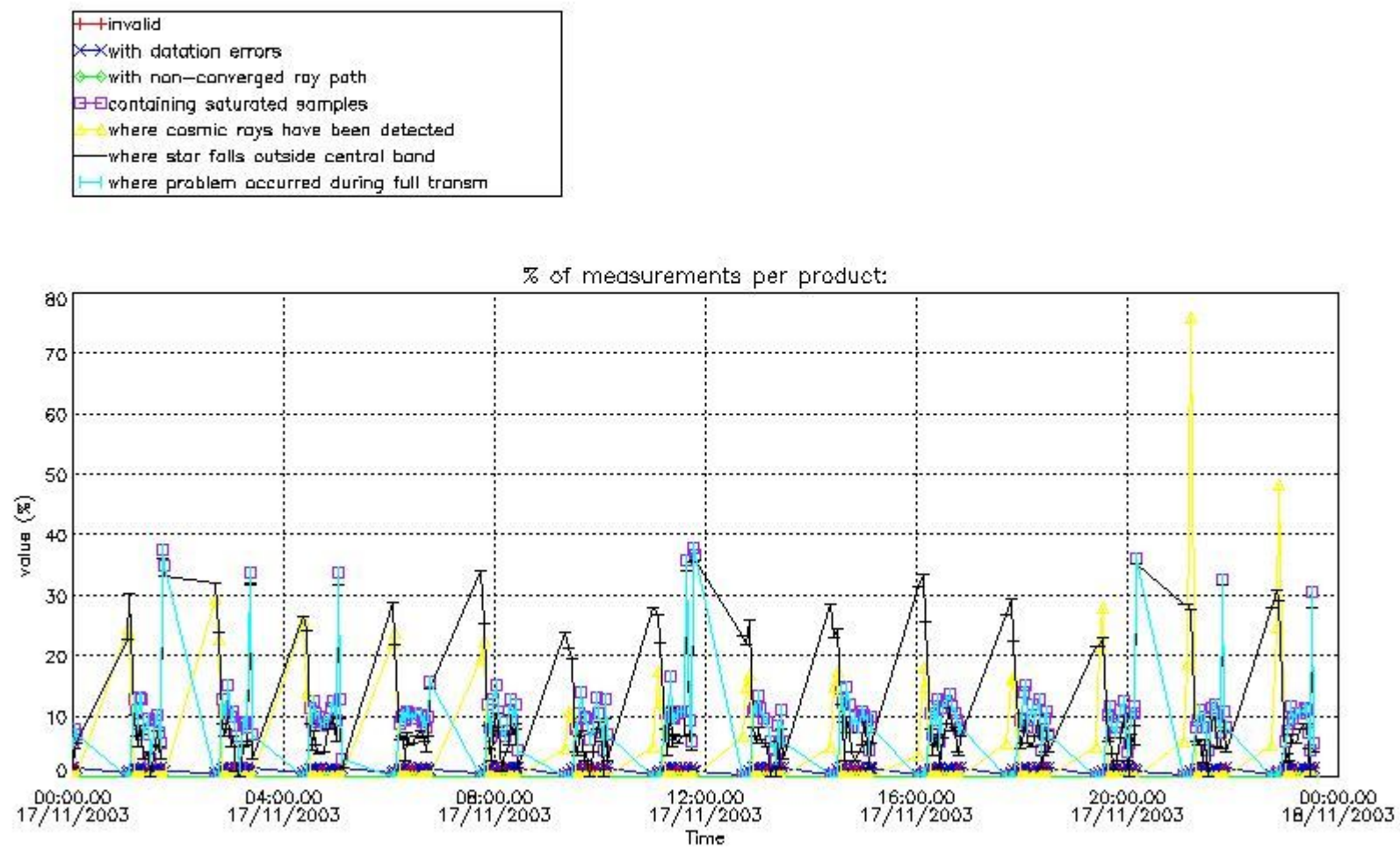
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



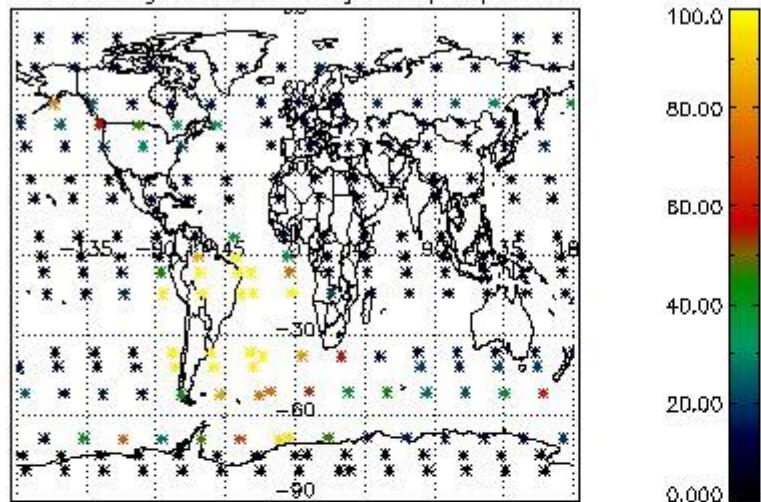
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



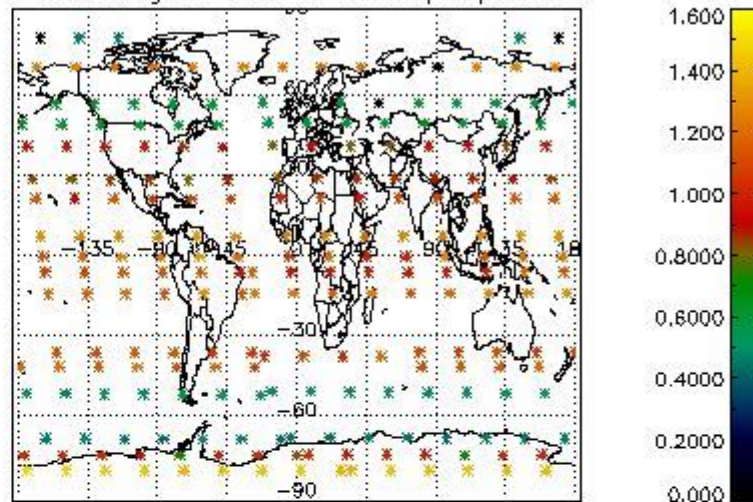
4.2 Plot quality information per product coming from level 1b processing (world map)

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

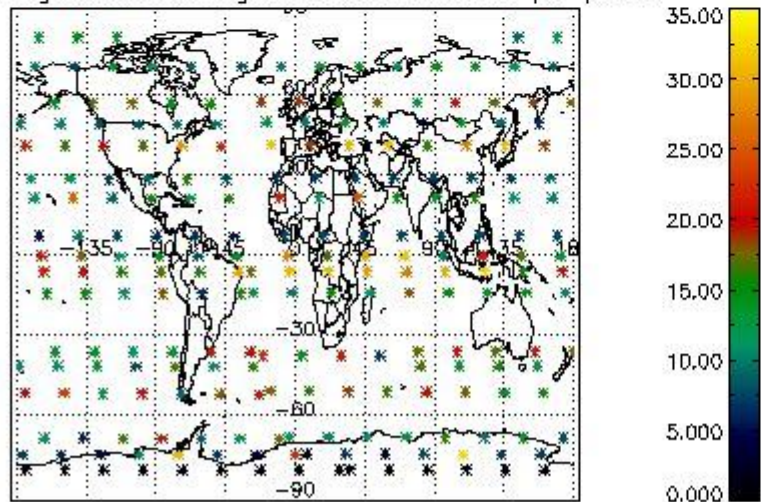
Percentage of cosmic ray hits per profile



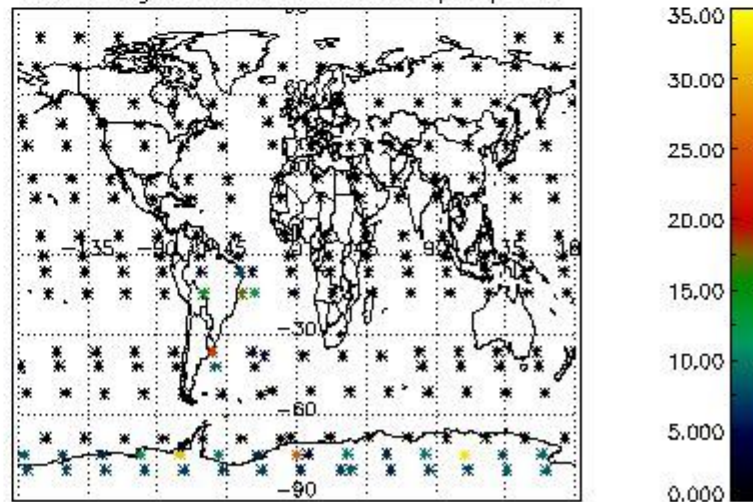
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

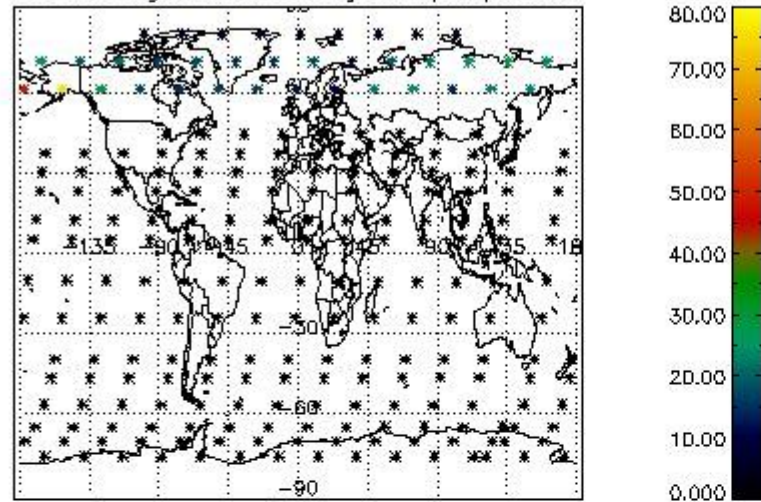


Percentage of saturation errors per profile

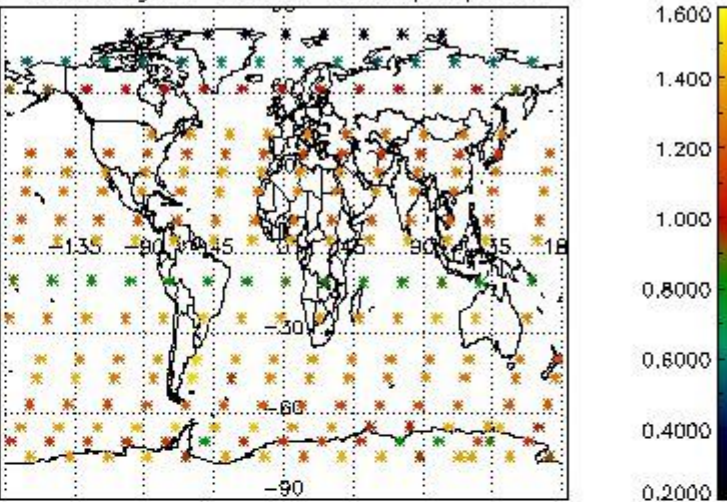


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

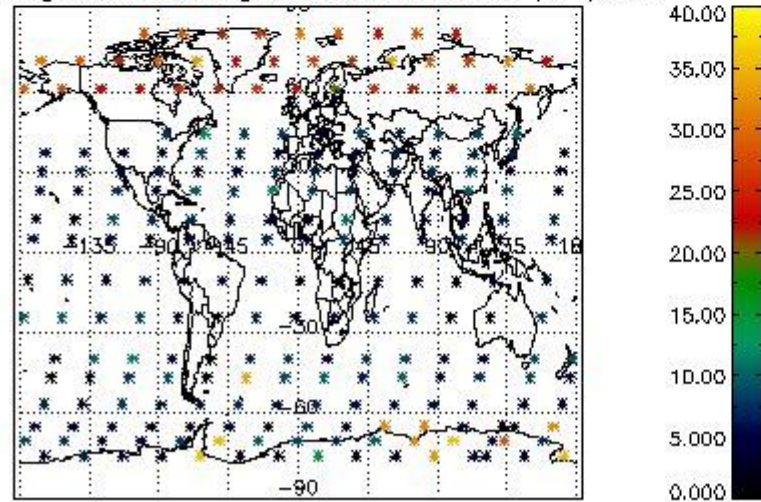
Percentage of cosmic ray hits per profile



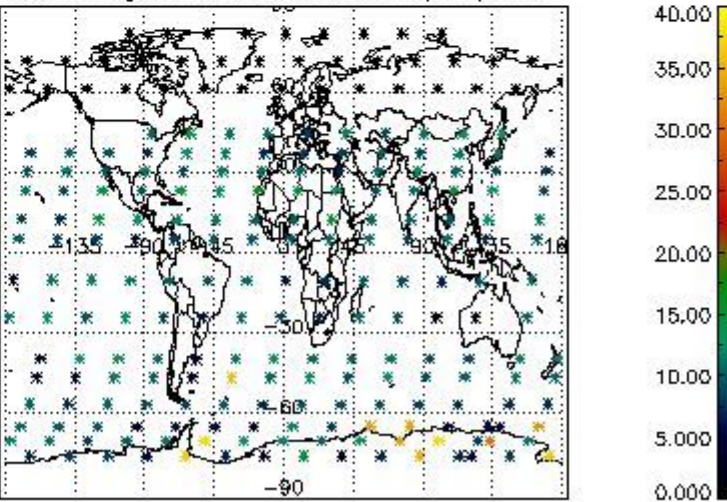
Percentage of datation errors per profile



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

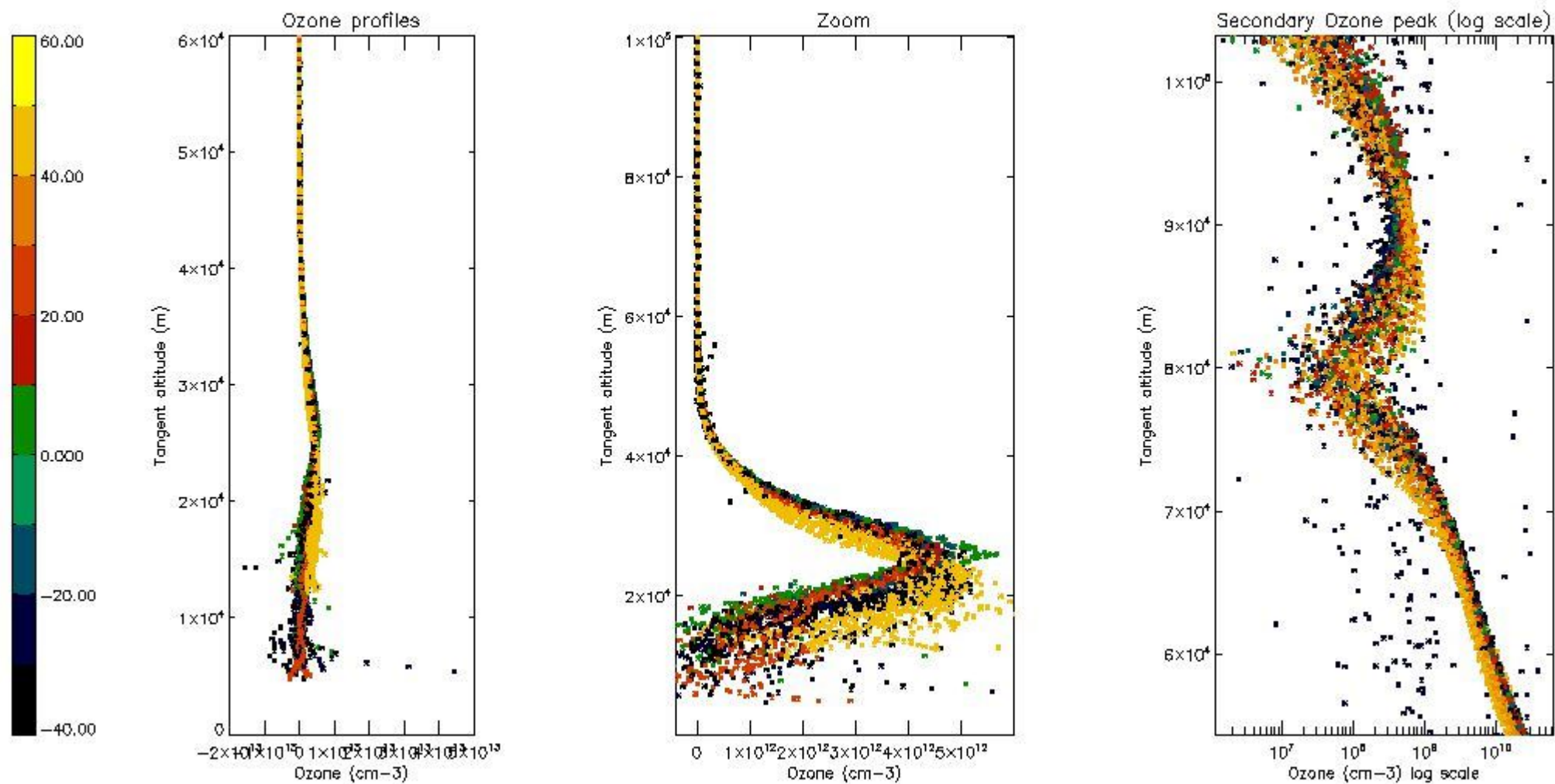
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	28
STD < 20	18

STD < 10	16
STD < 5	13

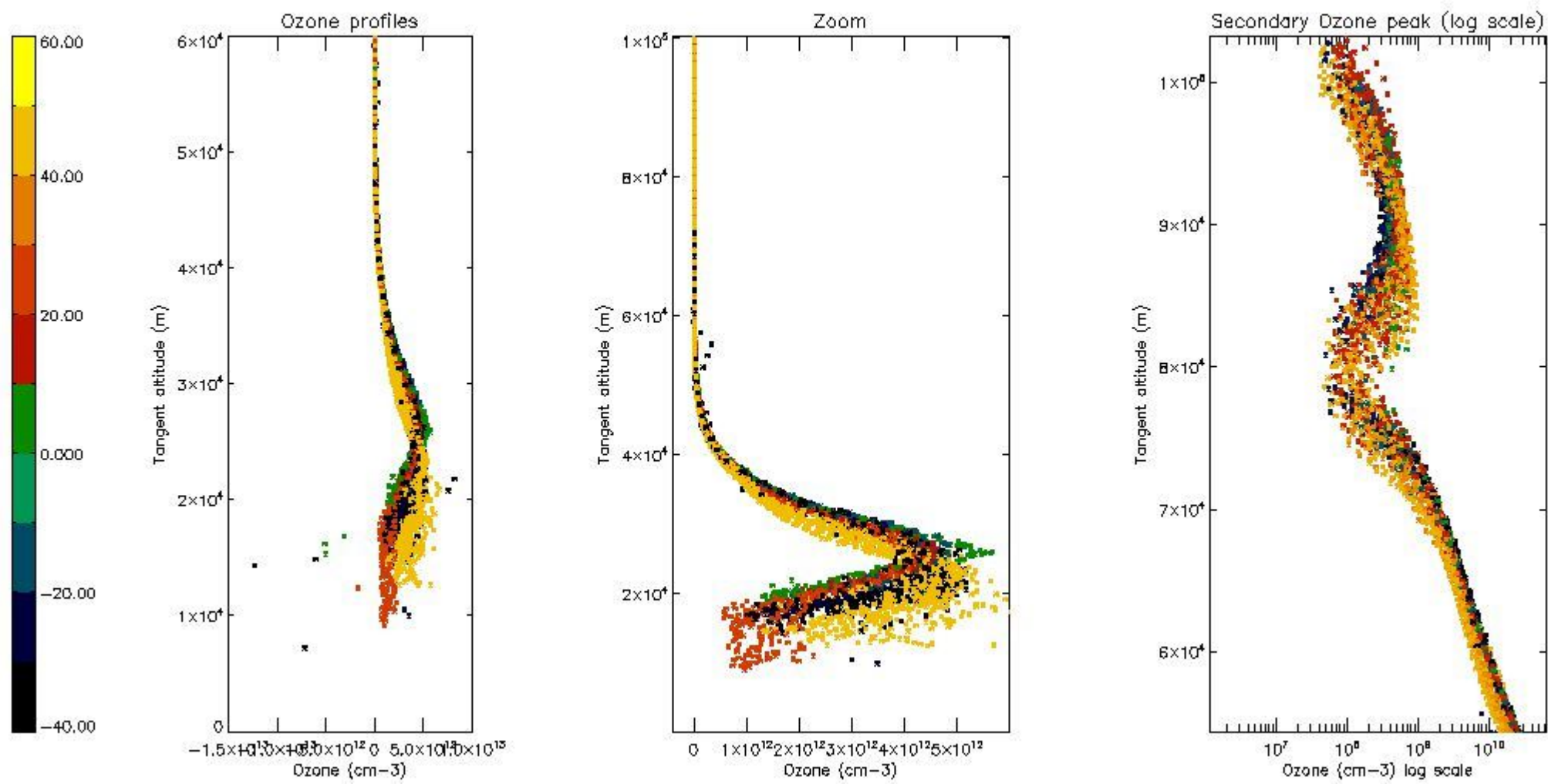
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



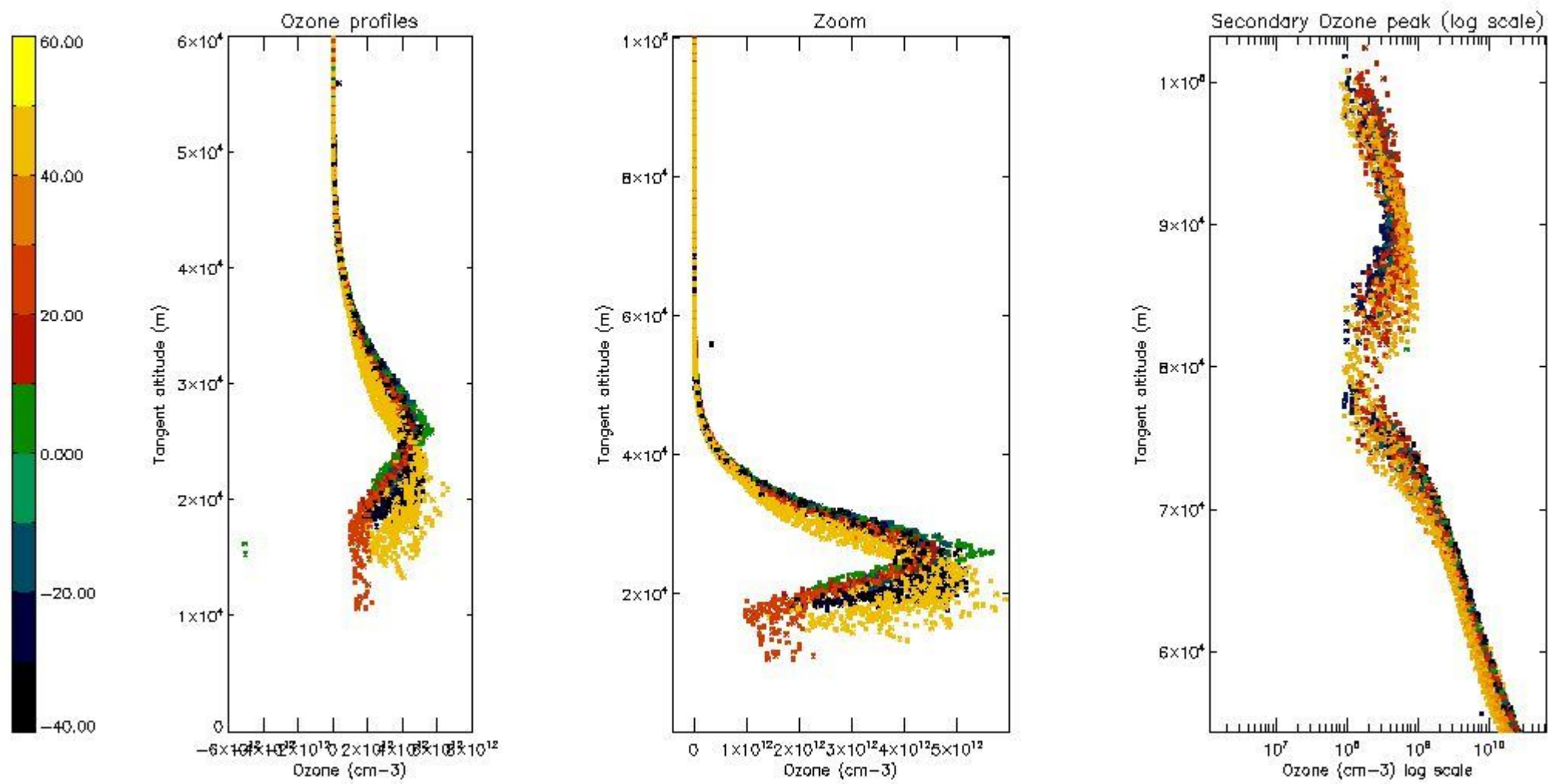
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



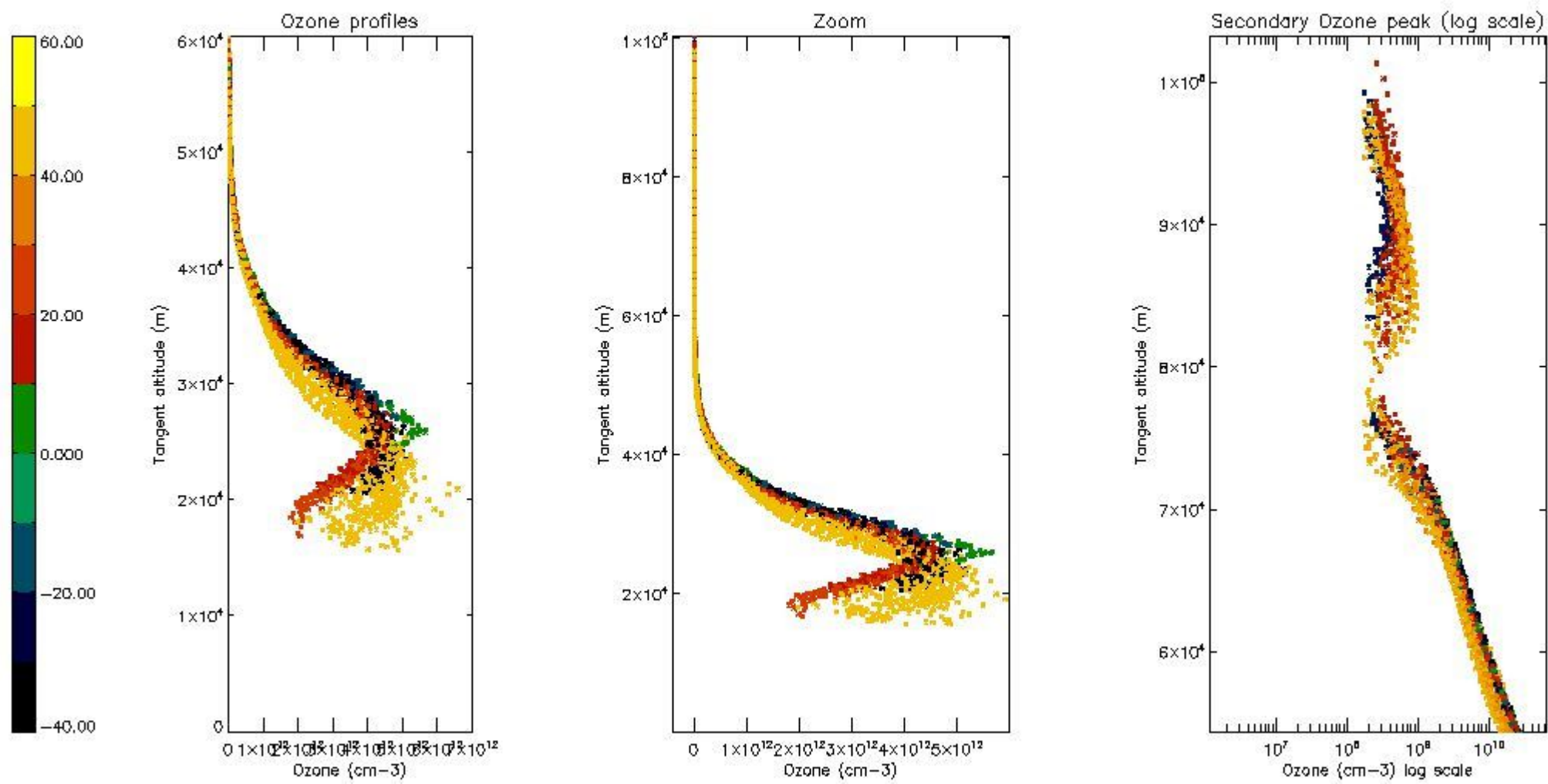
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



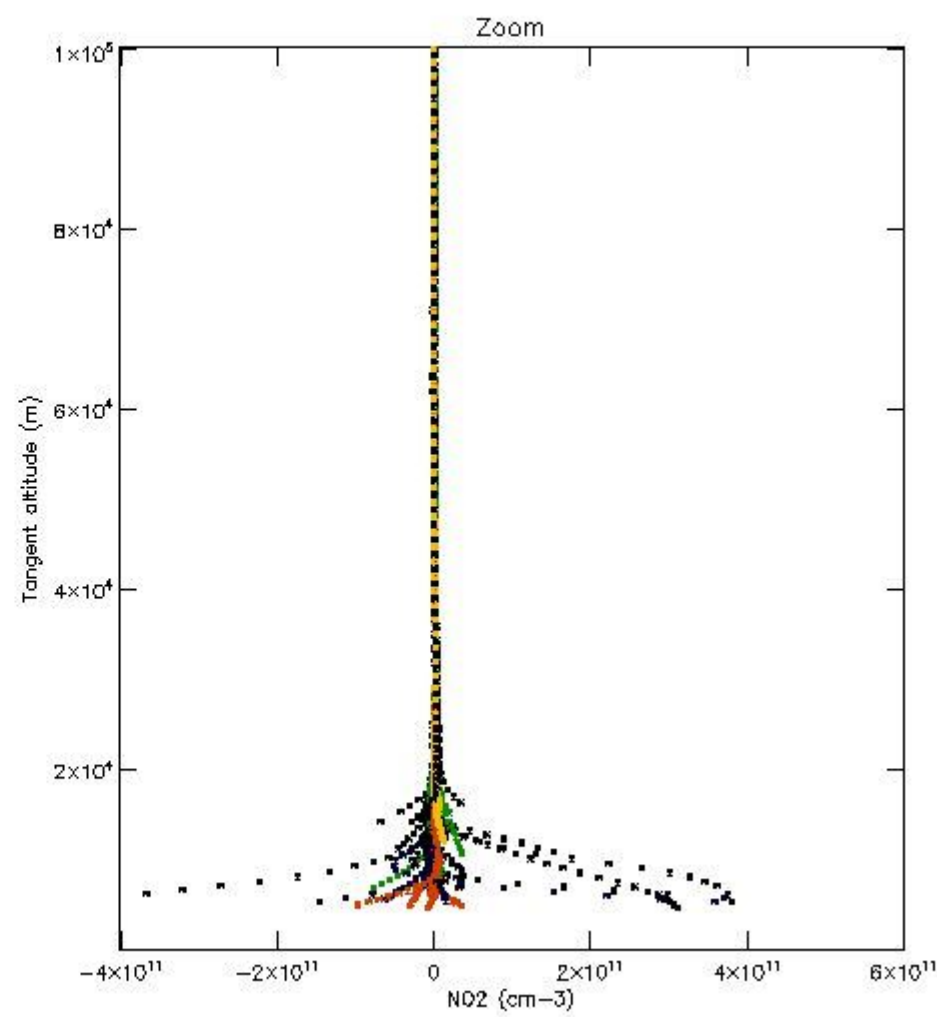
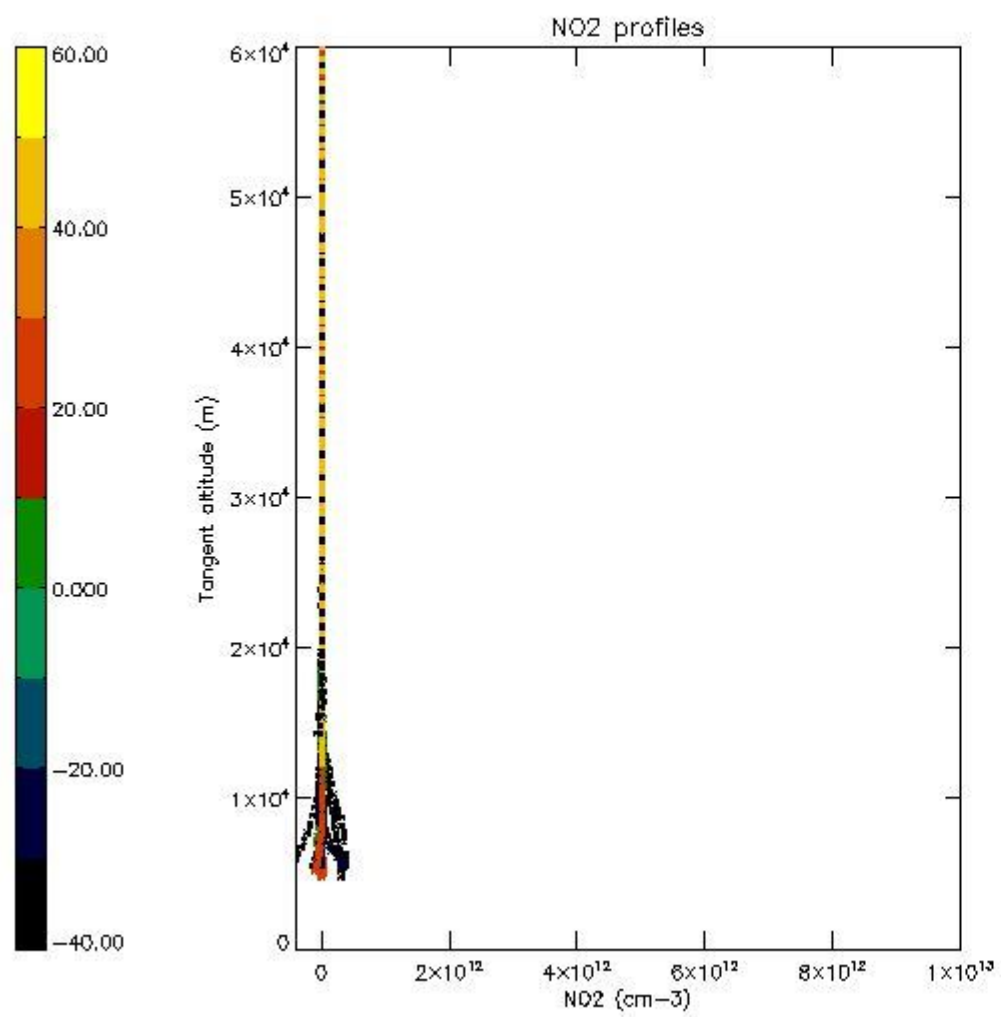
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



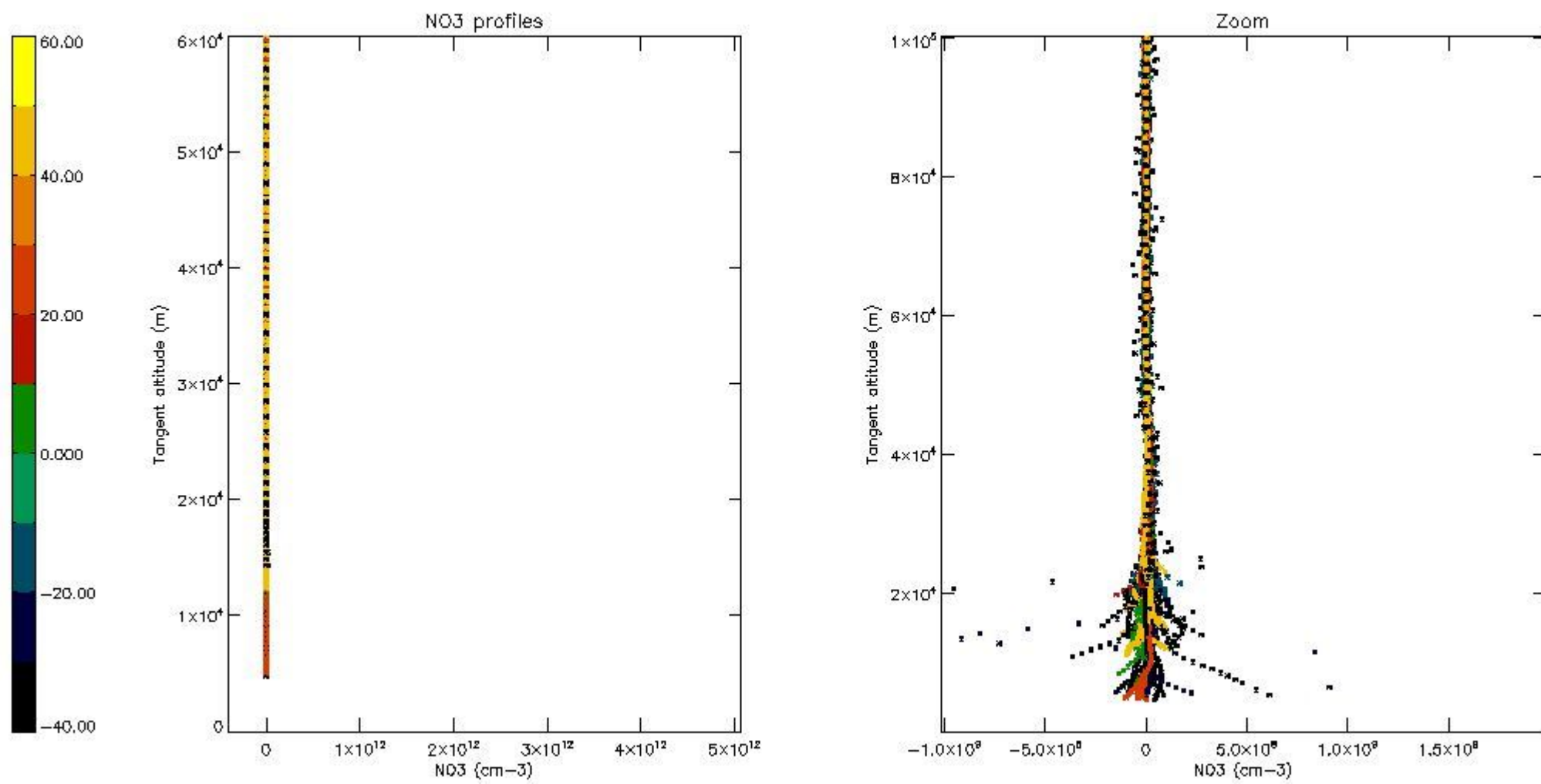
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



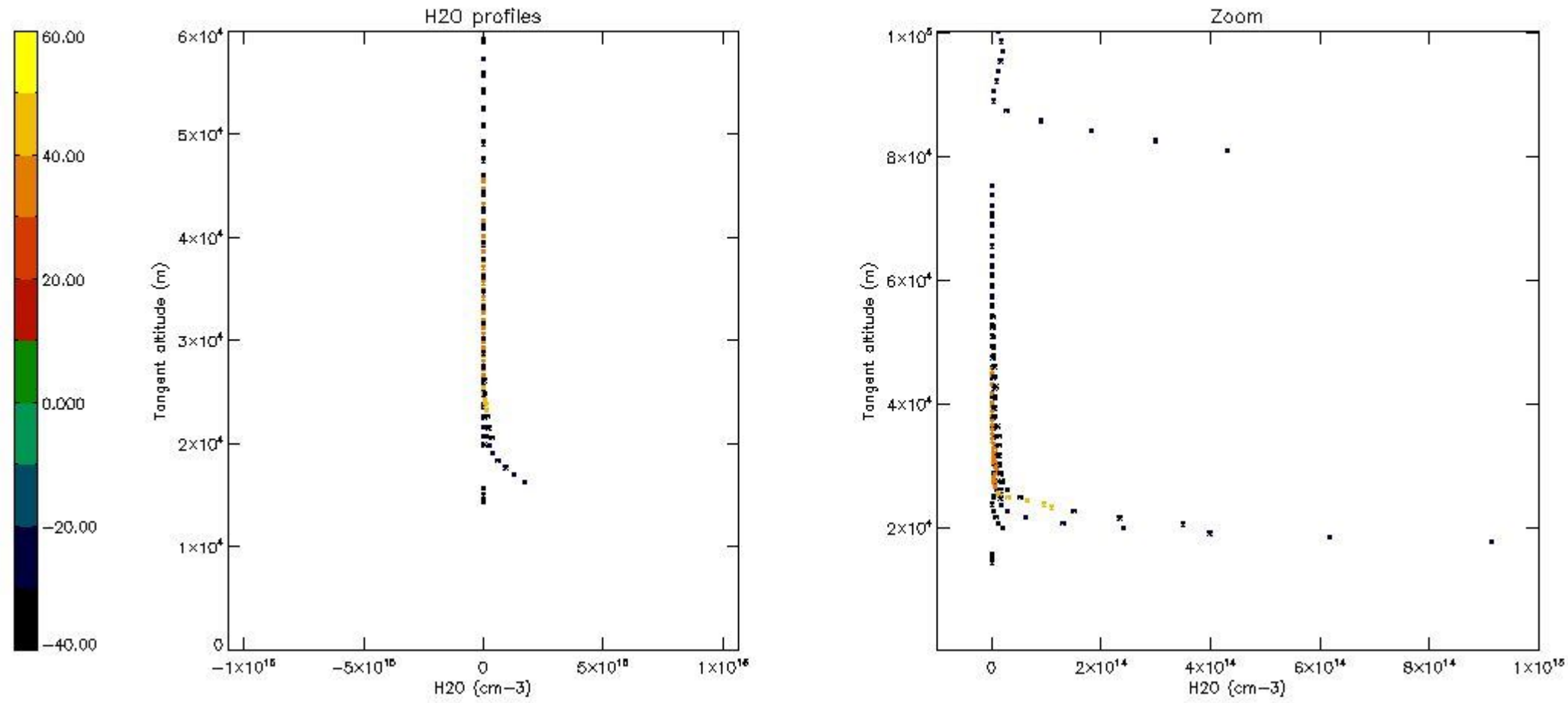
5.7 Plot NO3 profiles for all STD (dark without errors)

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	17-NOV-2003 00:00:01
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	17-NOV-2003 00:00:01
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	17-NOV-2003 00:00:01

GOMOS Level 2 Daily Report

SUMMARY

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[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](#)

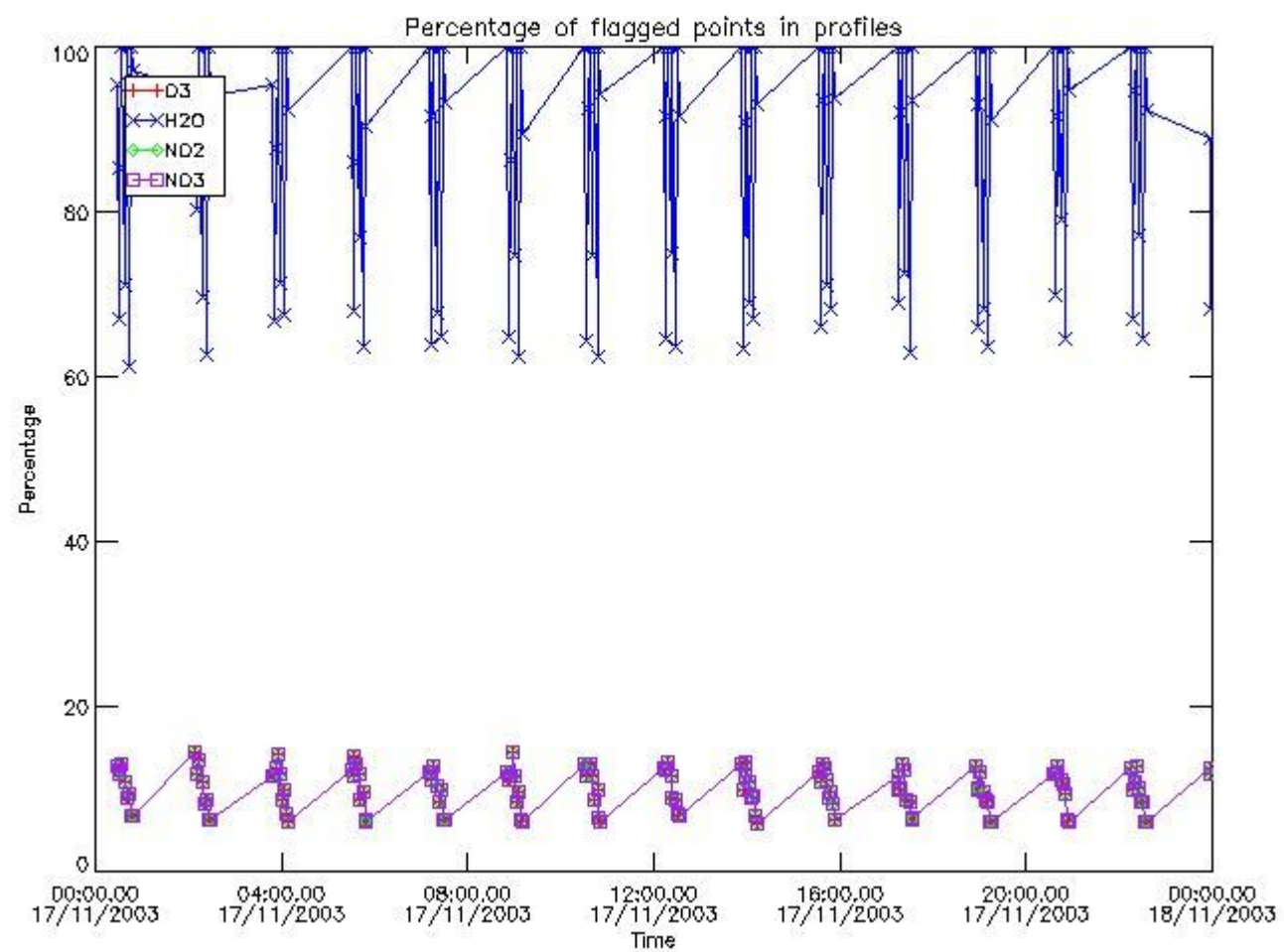
[6. Auxiliary Data Files used for the production reported in section 2](#)

456	GOM_NL__2PRFIN20031117_232827_000000352021_00402_08973_8878.N1	17-NOV-2003 23:28:27	Bright	35.000	39	85Eta UMa	1.8540	24000.	70	8973	No
457	GOM_NL__2PRFIN20031117_233004_000000592021_00402_08973_8879.N1	17-NOV-2003 23:30:04	Bright	59.000	174	52Psi UMa	3.0040	4400.0	118	8973	No
458	GOM_NL__2PRFIN20031117_233155_000000372021_00402_08973_8880.N1	17-NOV-2003 23:31:55	Bright	36.500	152	12Alp2CVn	2.8900	11000.	73	8973	No
459	GOM_NL__2PRFIN20031117_233633_000000362021_00402_08973_8881.N1	17-NOV-2003 23:36:33	Bright	36.000	3	16Alp Boo	-0.050000	4250.0	72	8973	No
460	GOM_NL__2PRFIN20031117_233853_000000492021_00402_08973_8882.N1	17-NOV-2003 23:38:53	Bright	48.500	96	68Del Leo	2.5600	9300.0	97	8973	No
461	GOM_NL__2PRFIN20031117_234057_000001142021_00402_08973_8883.N1	17-NOV-2003 23:40:57	Twilight	114.00	166	17Eps Leo	2.9800	6000.0	228	8973	No
462	GOM_NL__2PRFIN20031117_234558_000001022021_00402_08973_8884.N1	17-NOV-2003 23:45:58	Straylight	102.00	22	32Alp Leo	1.3600	15200.	204	8973	No
463	GOM_NL__2PRFIN20031117_234944_000000492021_00402_08973_8885.N1	17-NOV-2003 23:49:44	Twilight	49.000	106	9Bet Crv	2.6480	5600.0	98	8973	No
464	GOM_NL__2PRFIN20031117_235620_000000412021_00402_08973_8886.N1	17-NOV-2003 23:56:20	Dark	41.000	64	Gam Cen	2.2000	10600.	82	8973	No
465	GOM_NL__2PRFIN20031117_235836_000000432021_00402_08973_8887.N1	17-NOV-2003 23:58:36	Dark	43.000	26	Gam Cru	1.6240	2900.0	86	8973	No

3. Quality information per product

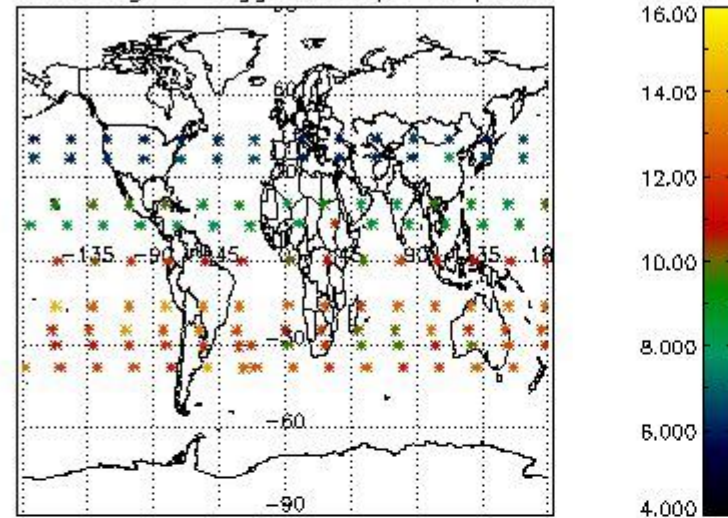
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

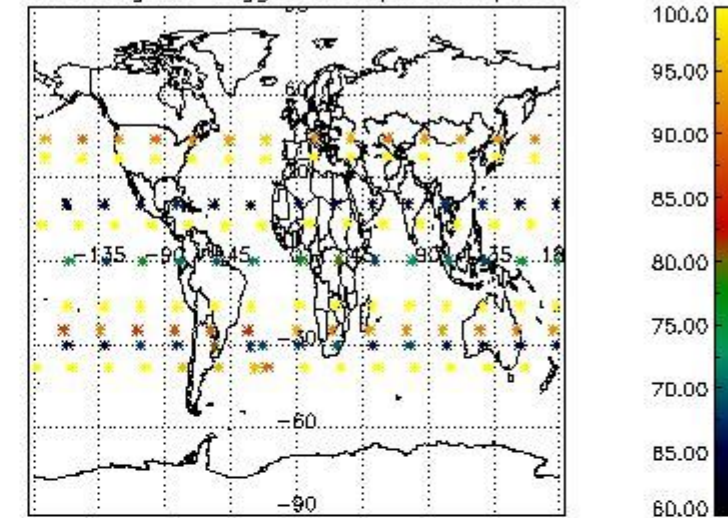


3.2 Plot quality information per product (world map)

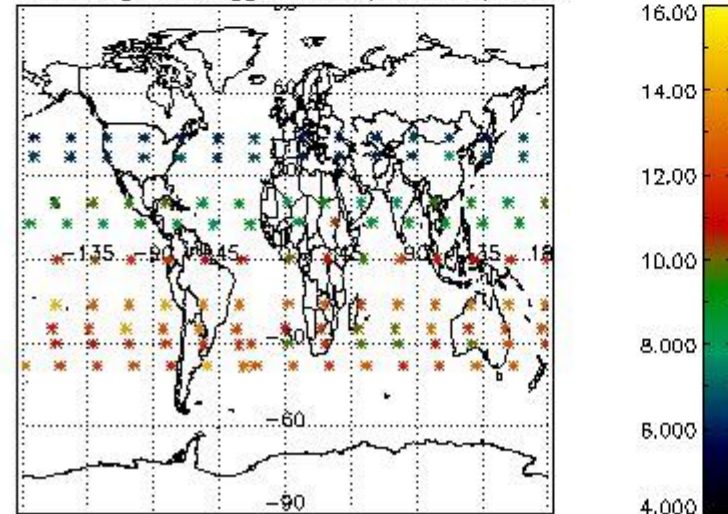
Percentage of flagged data per O3 profile



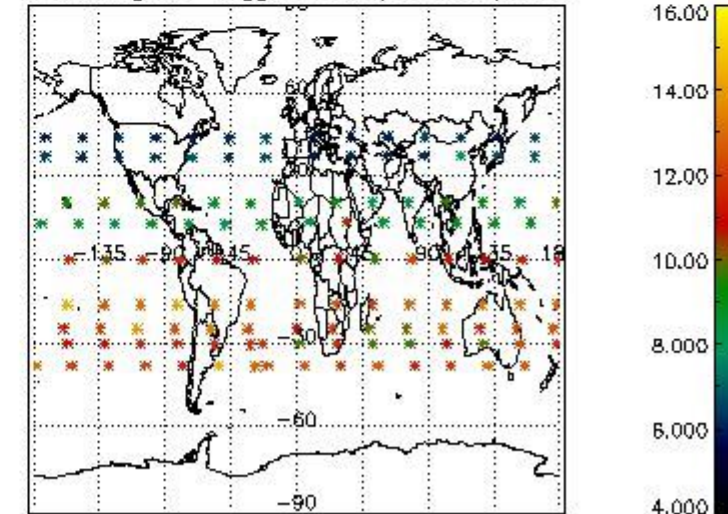
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

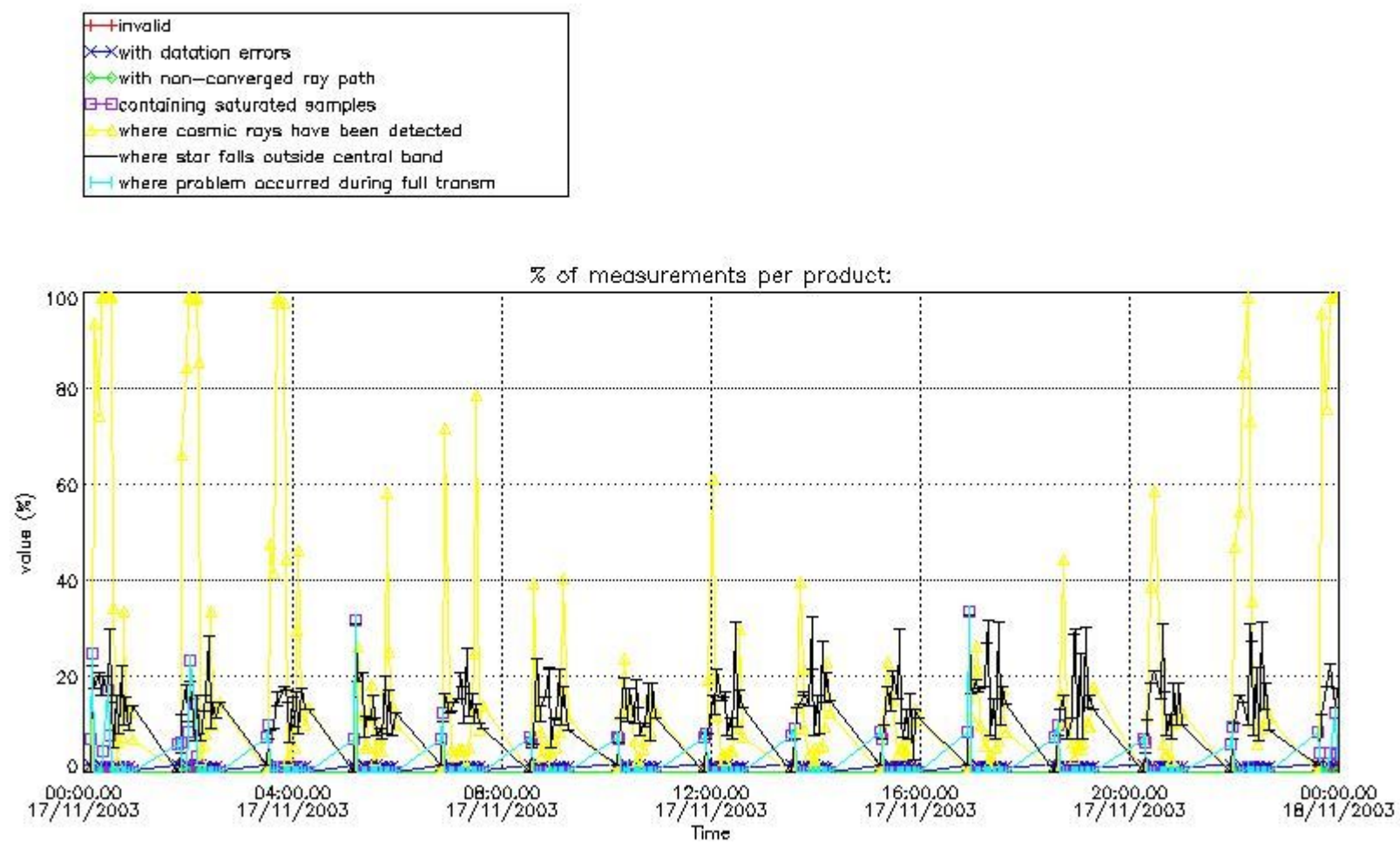


4. Level 1 quality information per product

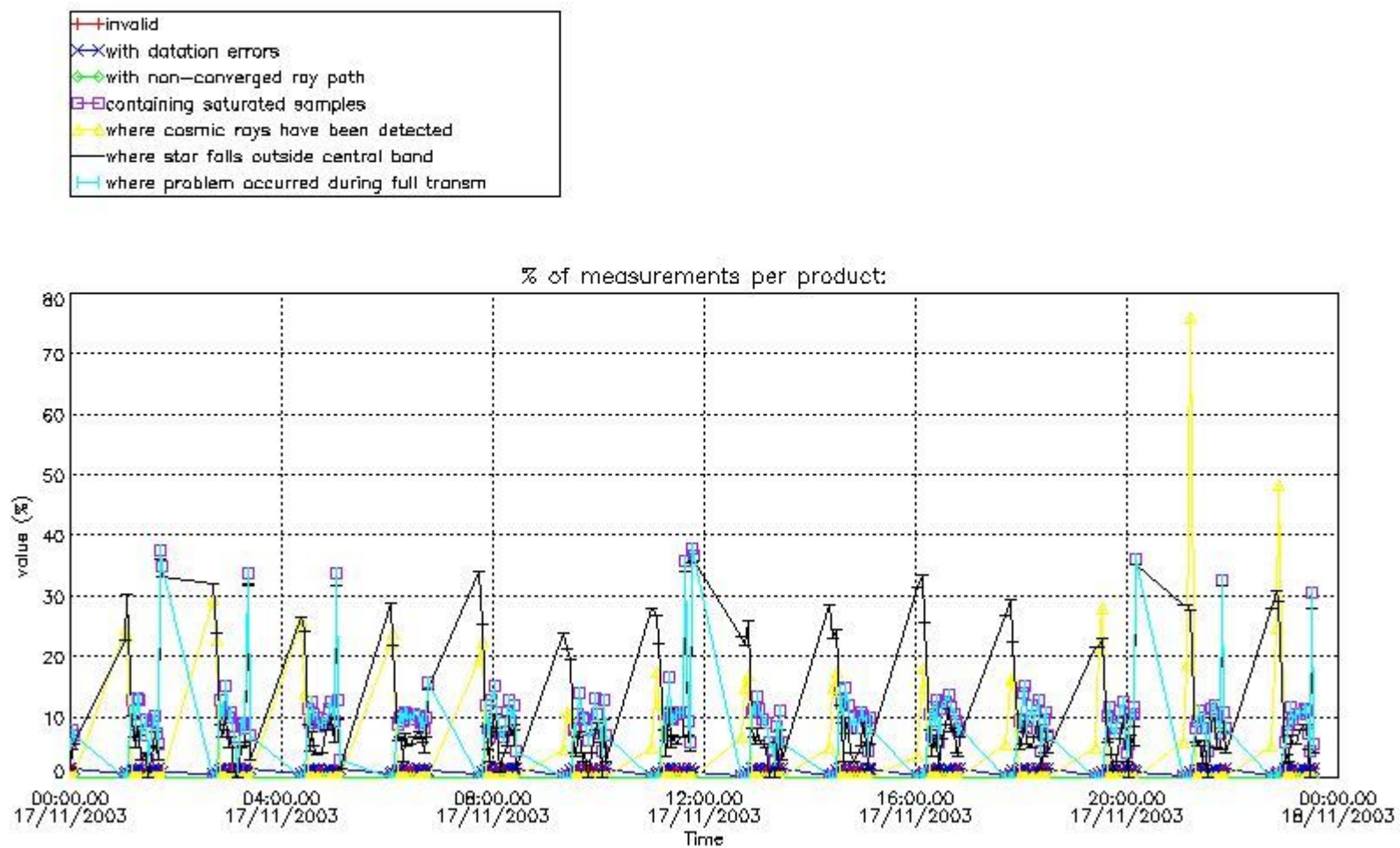
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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



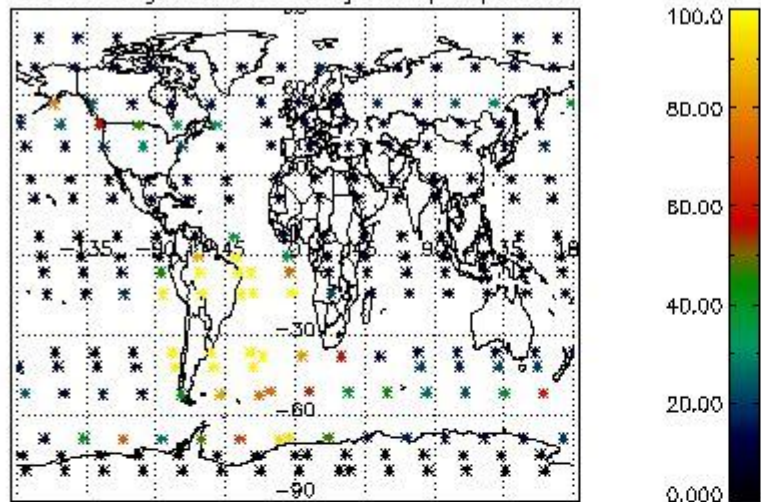
4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



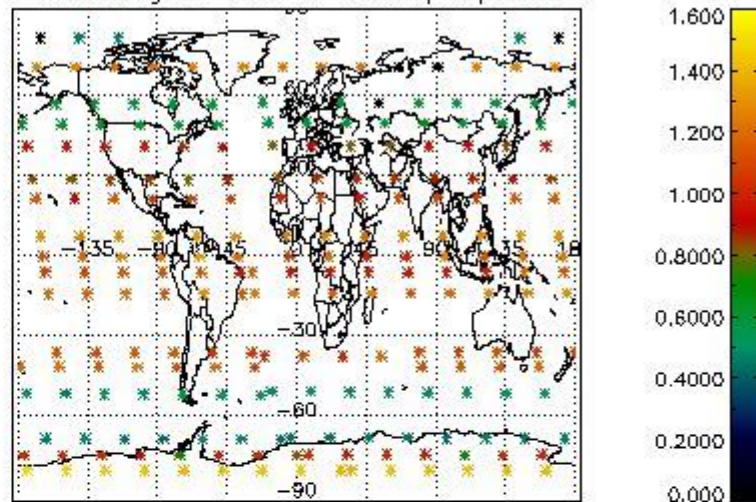
4.2 Plot quality information per product coming from level 1b processing (world map)

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

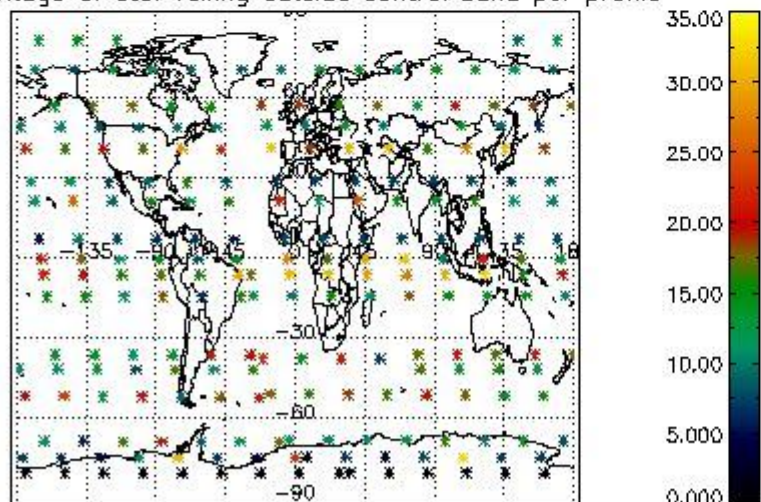
Percentage of cosmic ray hits per profile



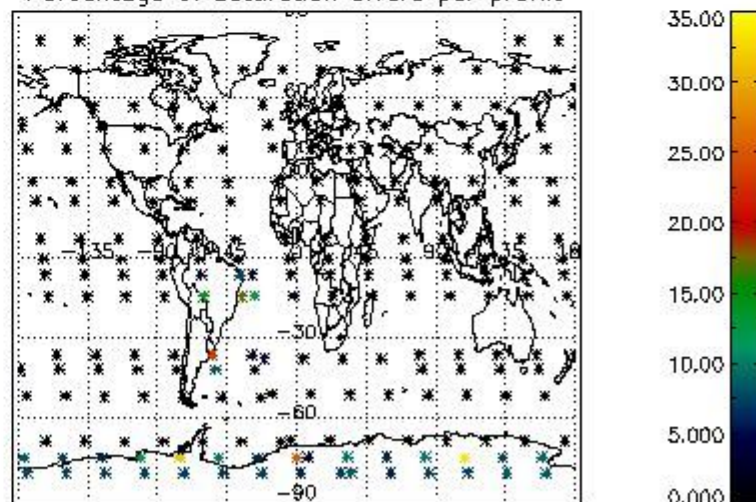
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

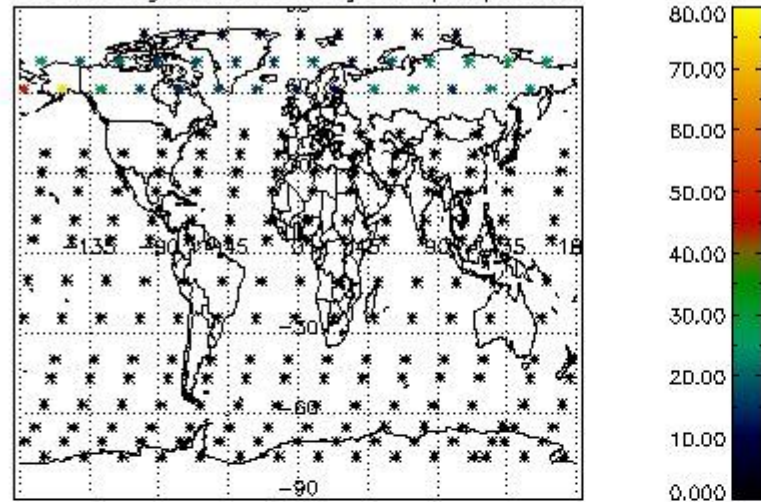


Percentage of saturation errors per profile

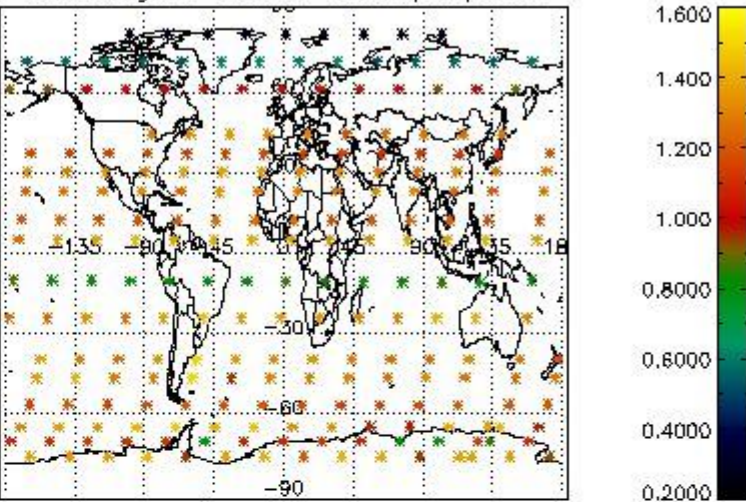


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

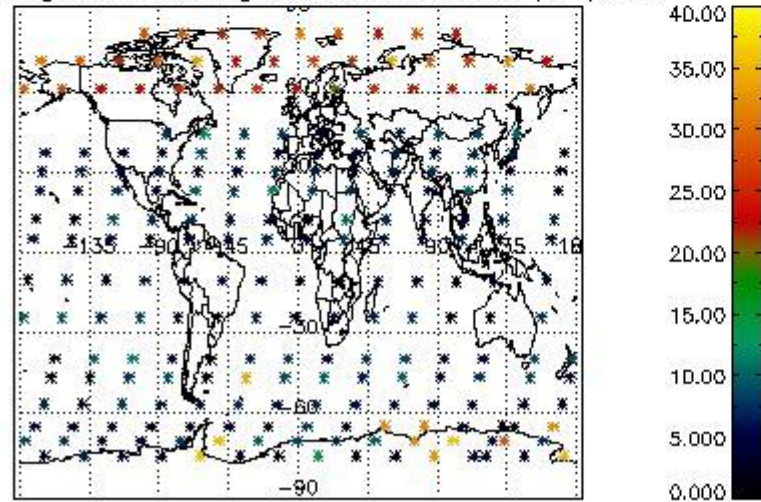
Percentage of cosmic ray hits per profile



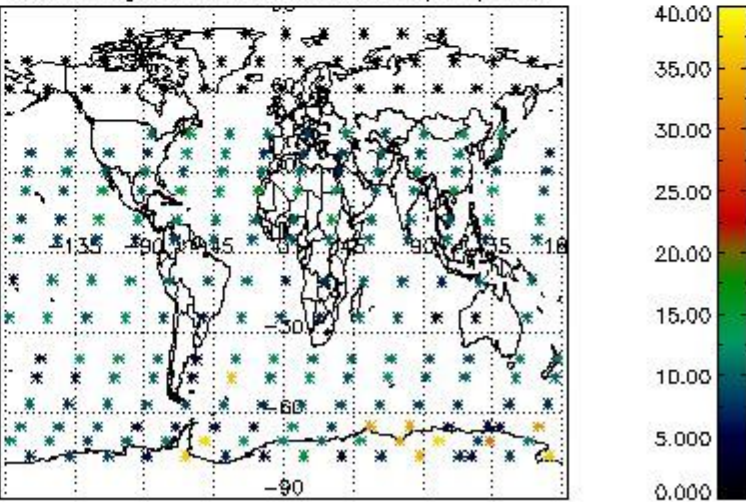
Percentage of datation errors per profile



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

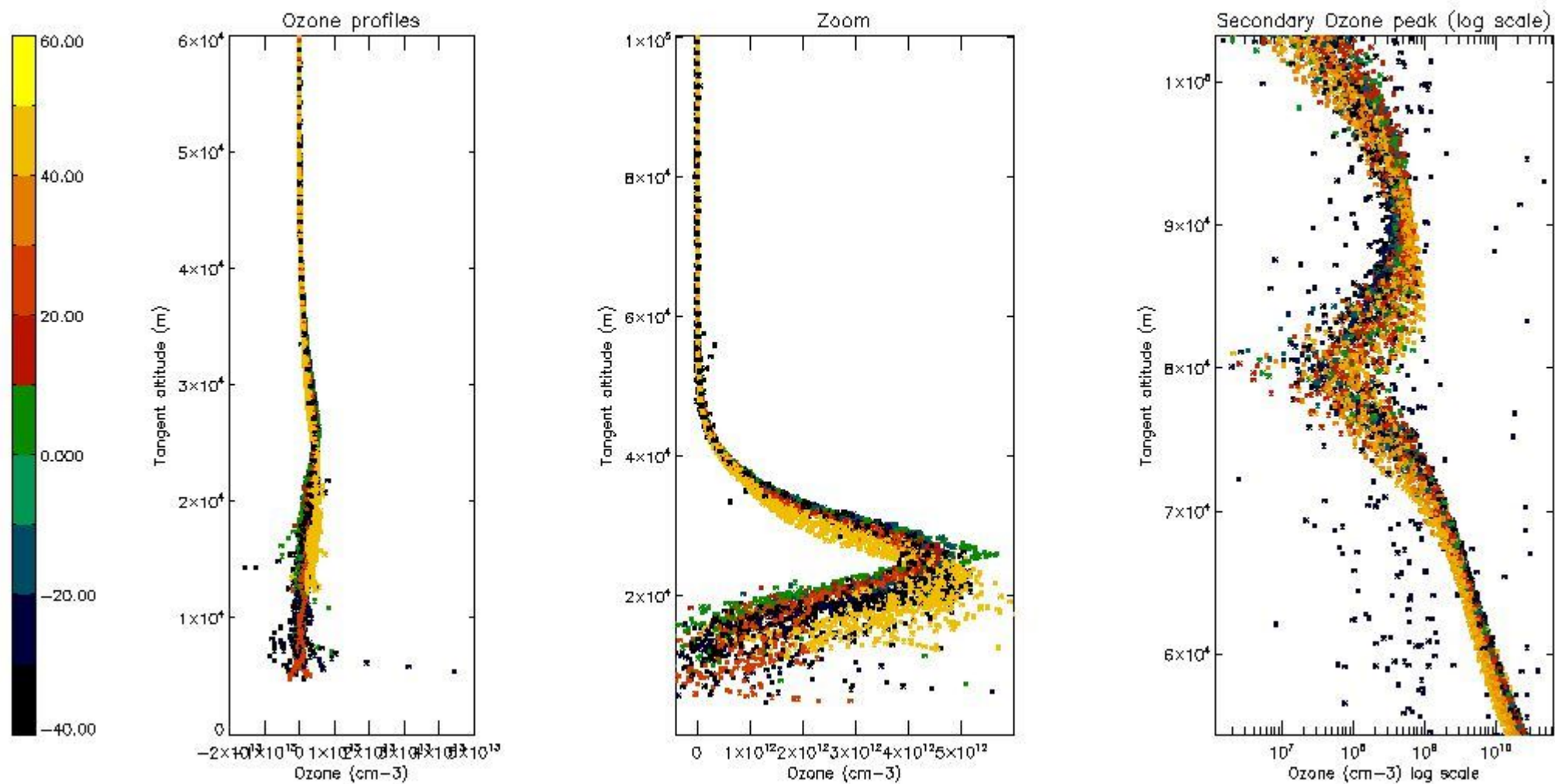
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	28
STD < 20	18

STD < 10	16
STD < 5	13

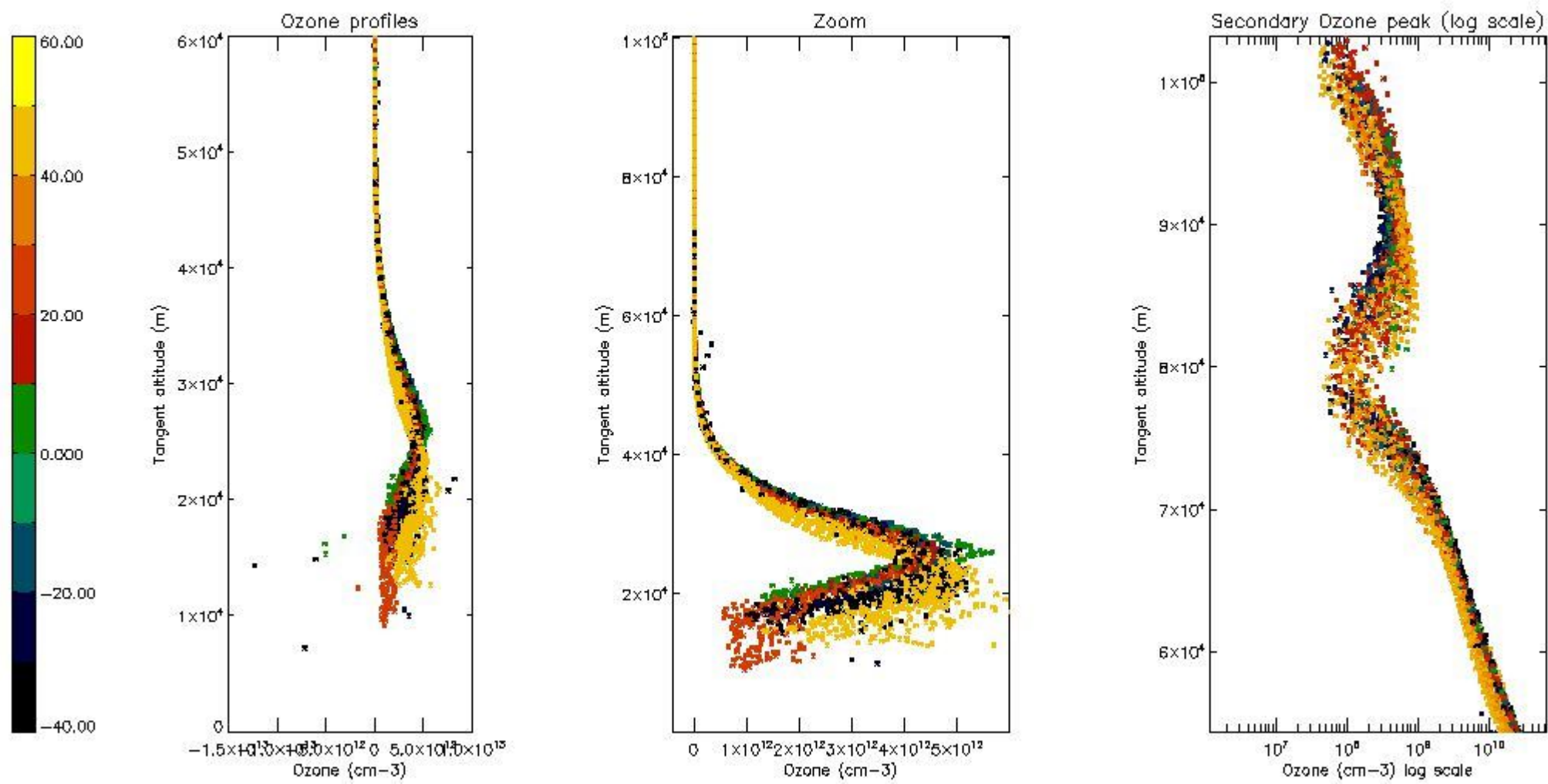
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



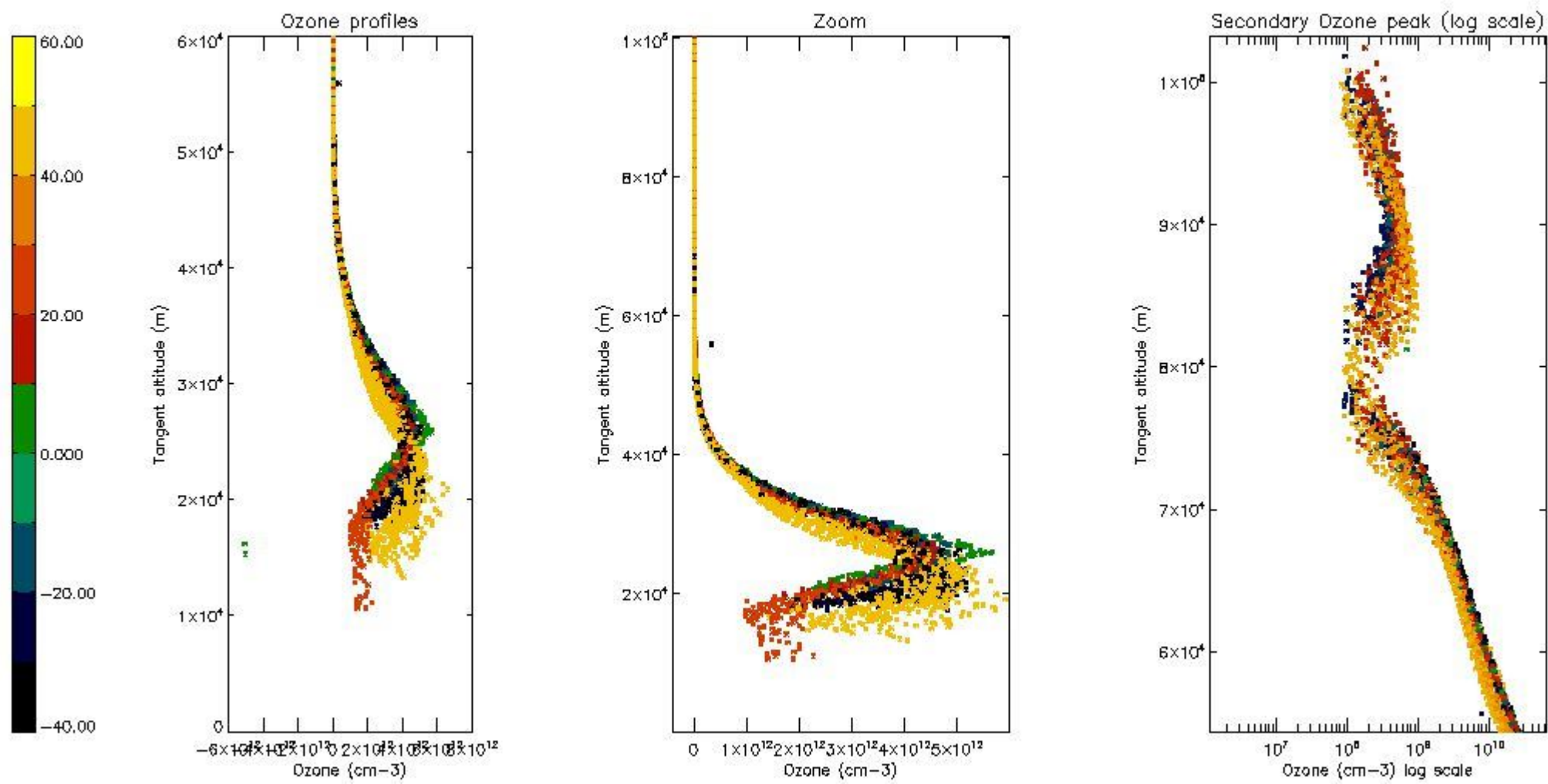
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



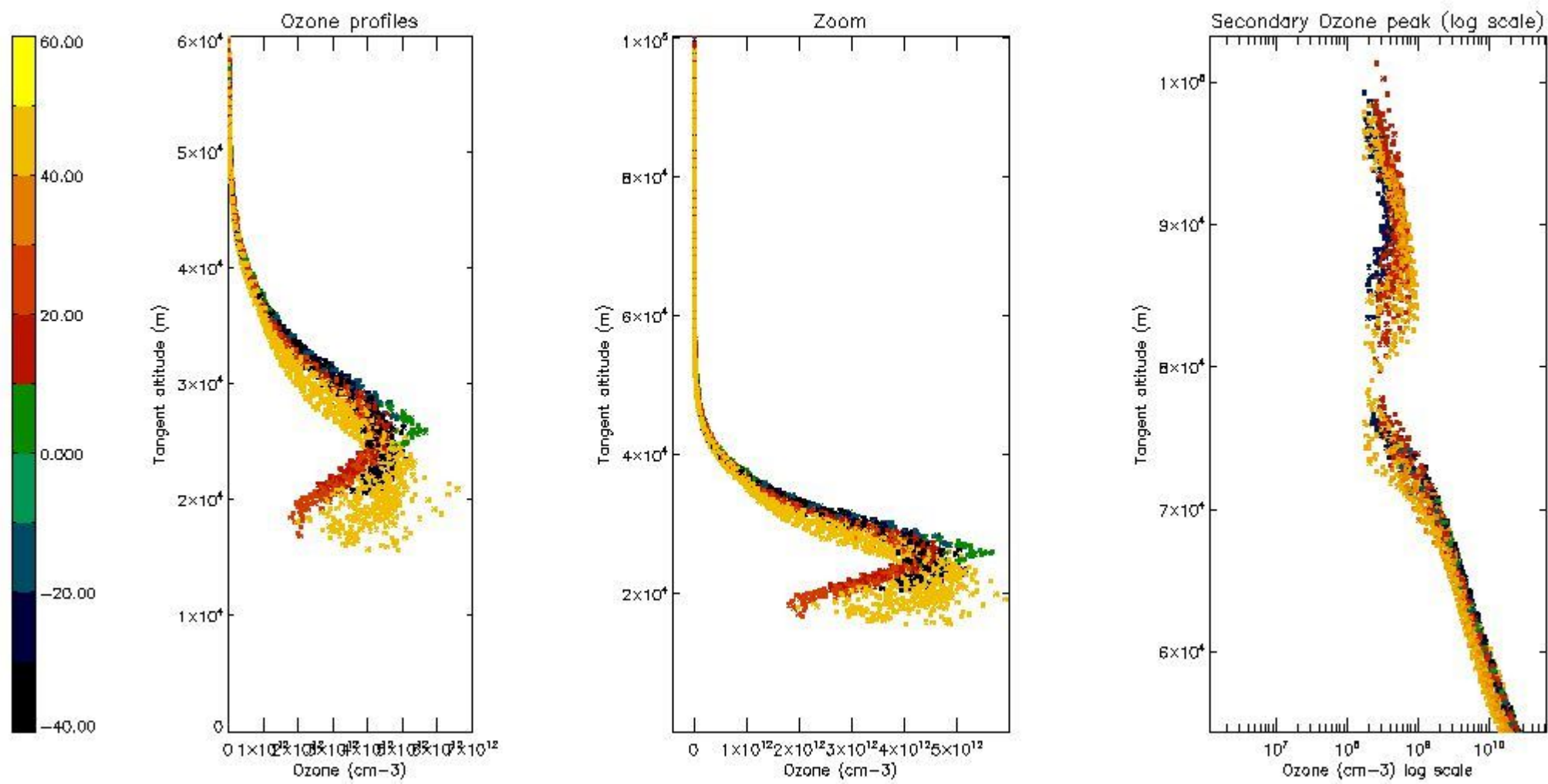
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



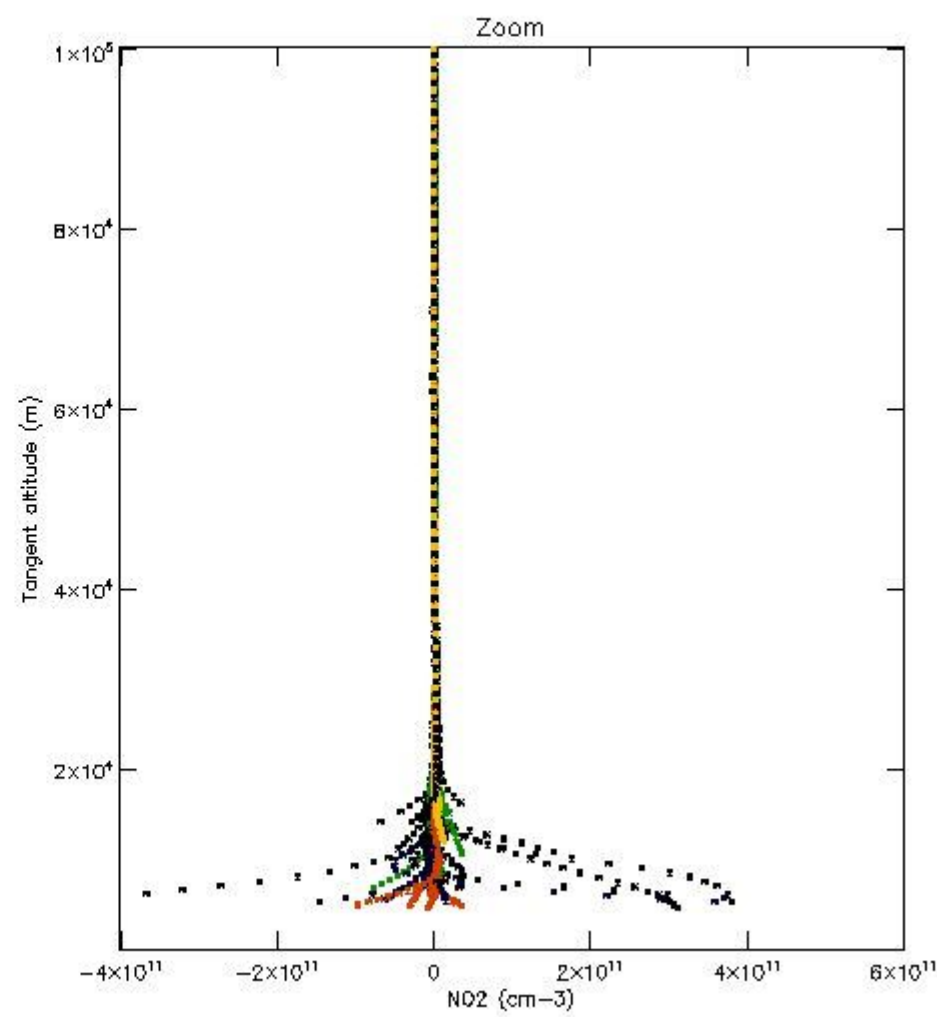
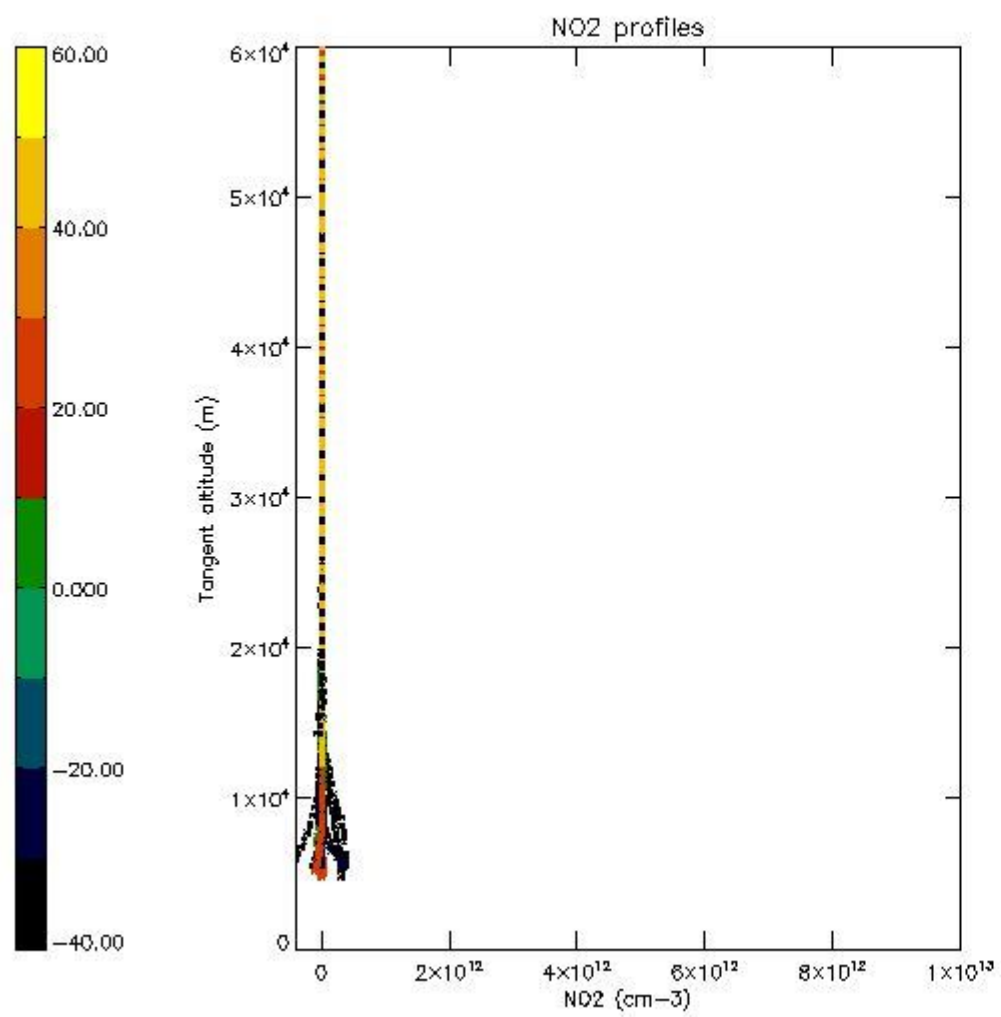
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



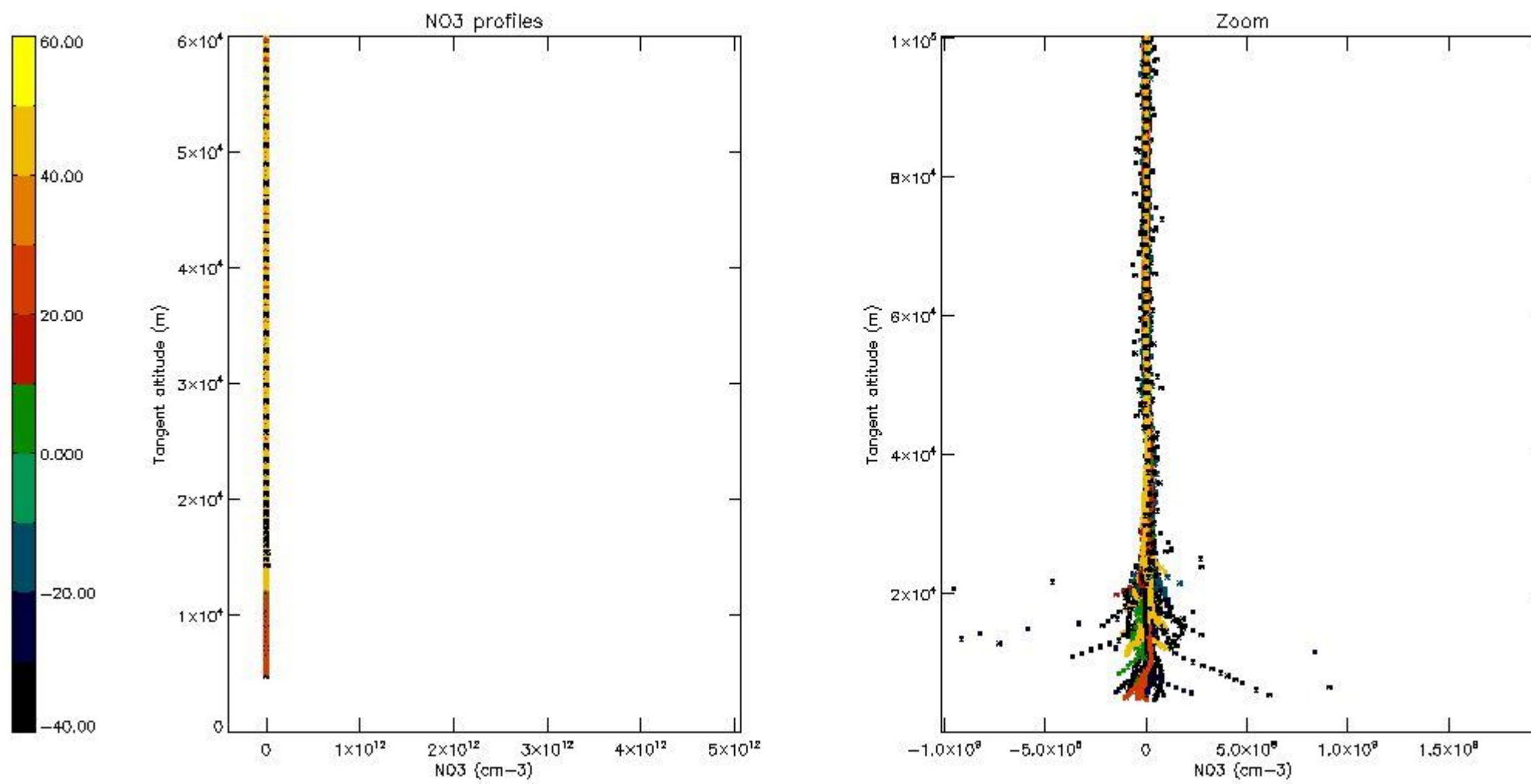
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



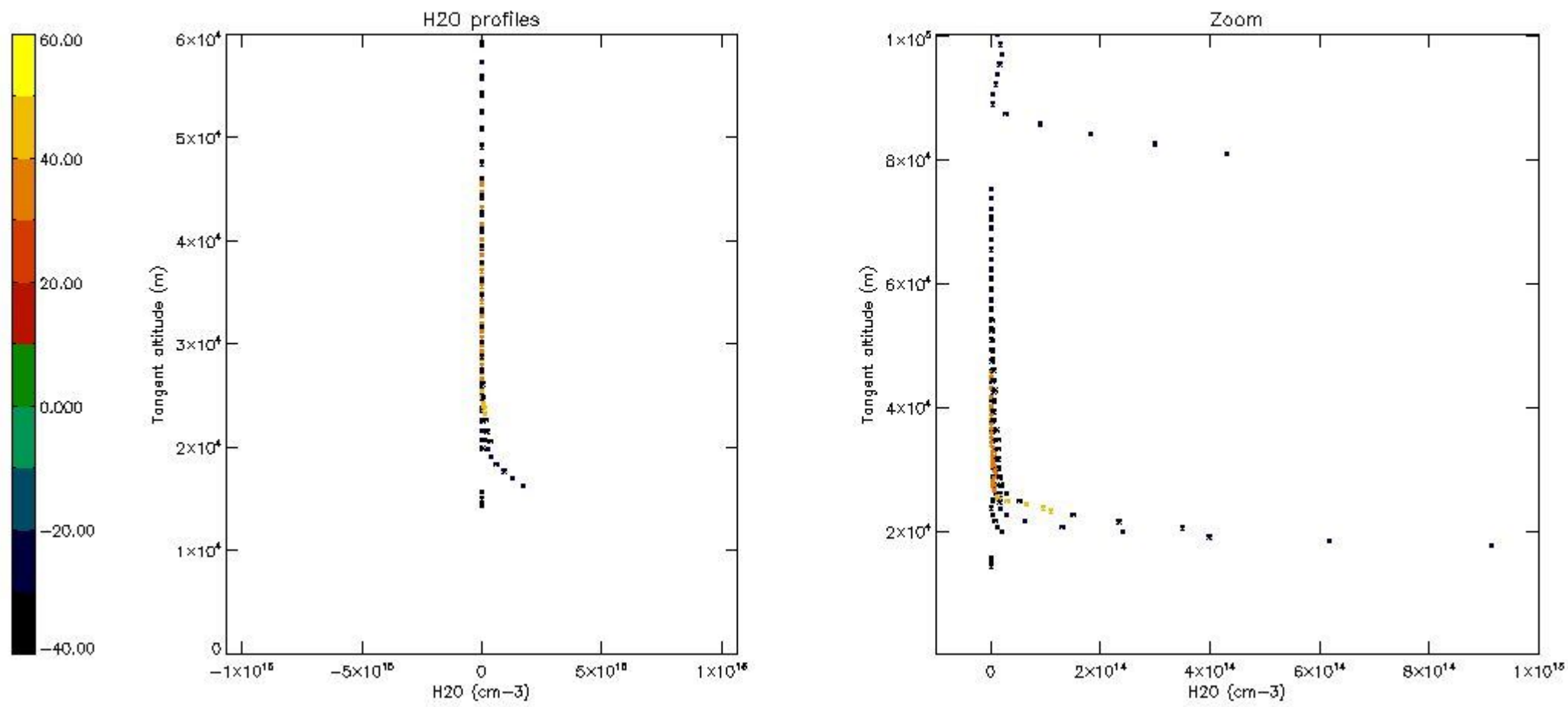
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

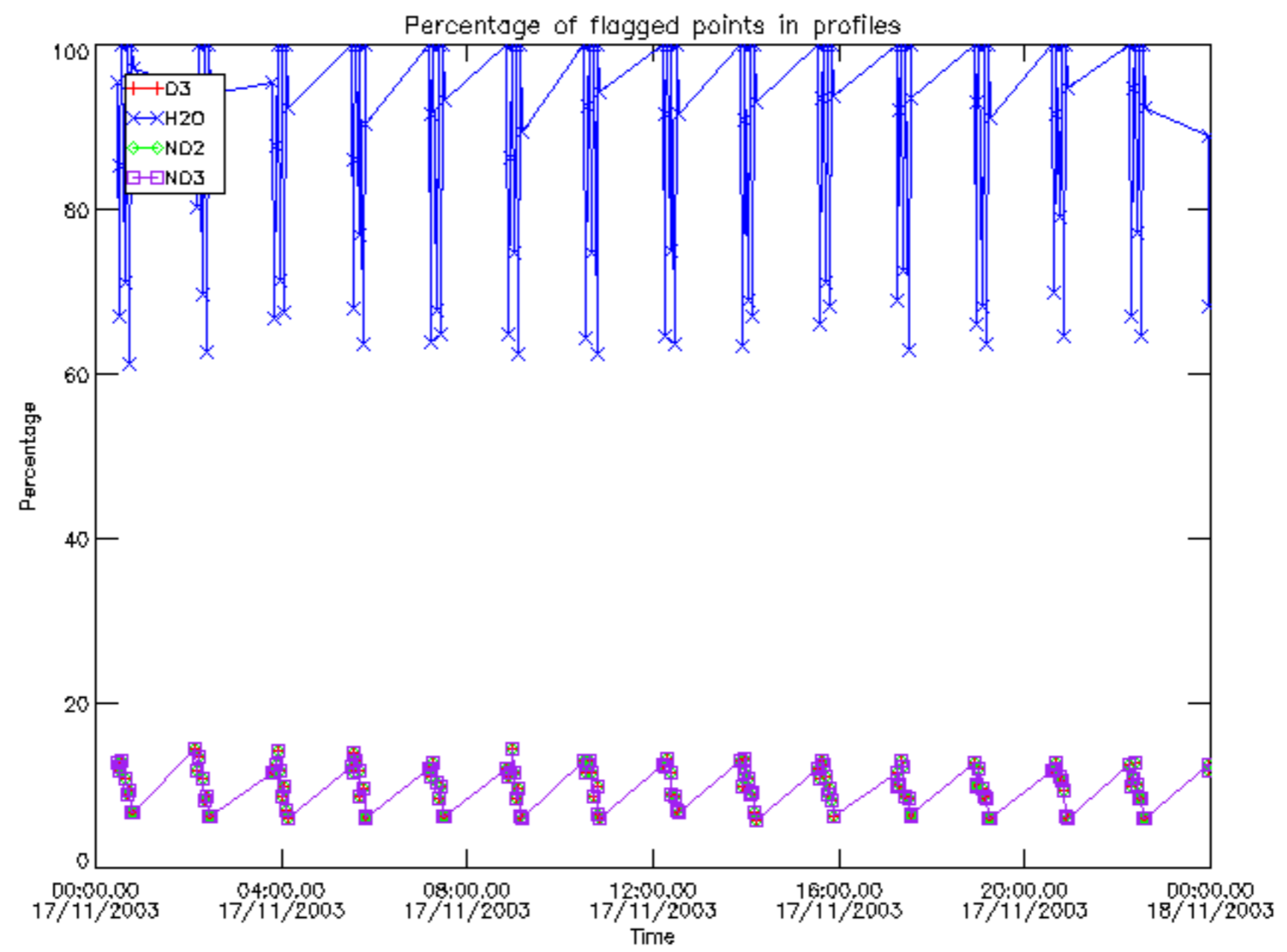
The colorbar represents the latitude.



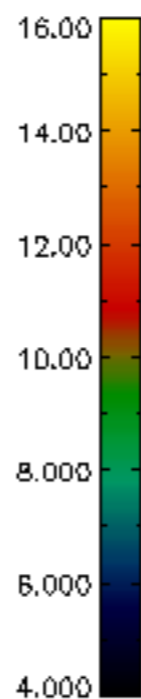
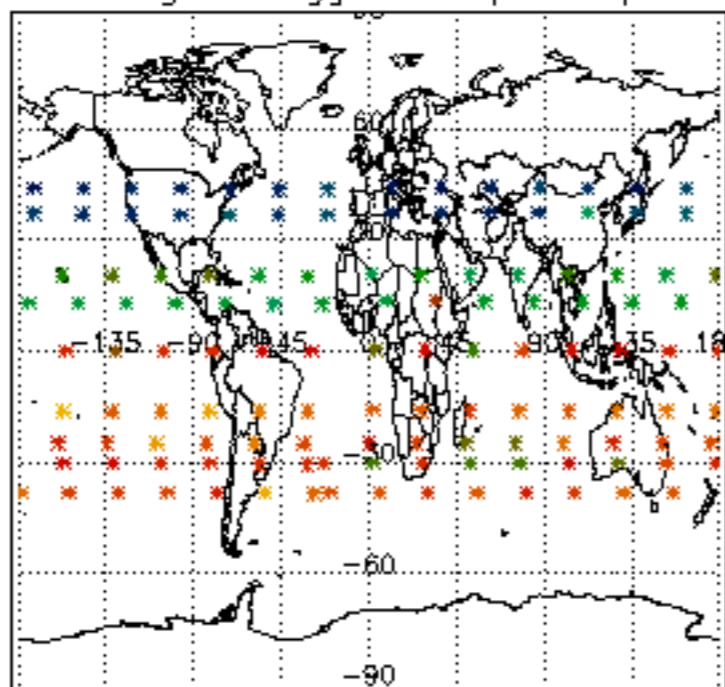
6. Auxiliary Data Files used for the production reported in section 2

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.

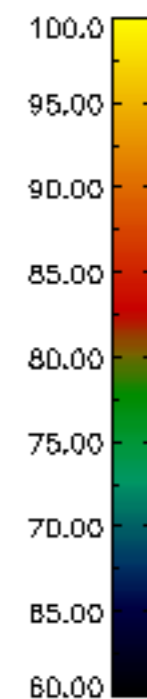
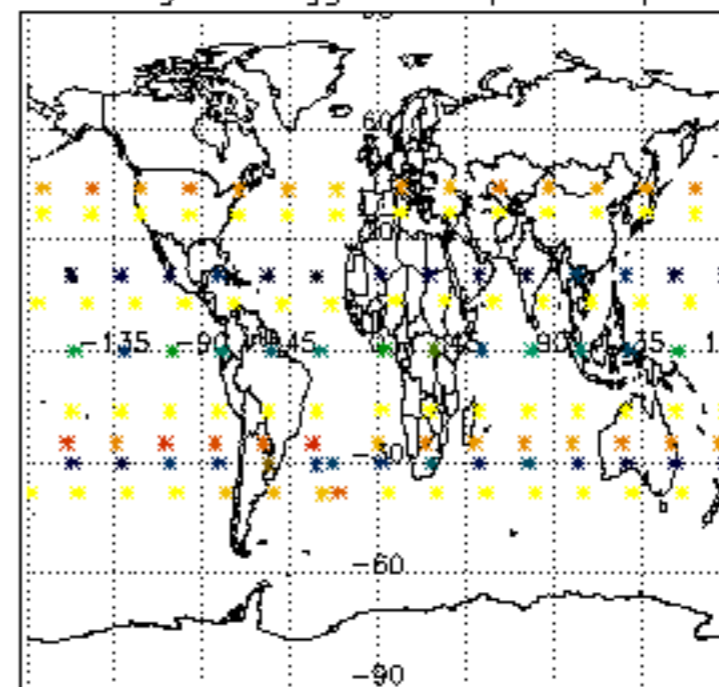
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	17-NOV-2003 00:00:01
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	17-NOV-2003 00:00:01
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	17-NOV-2003 00:00:01



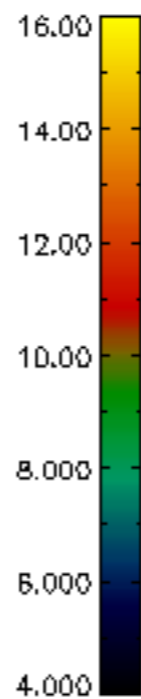
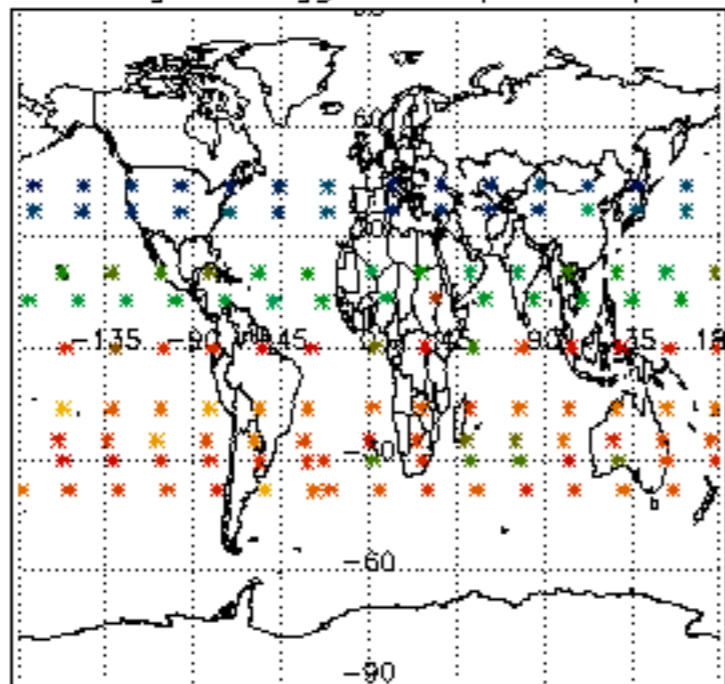
Percentage of flagged data per D3 profile



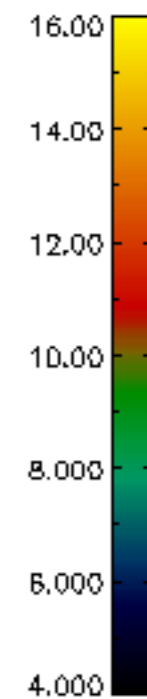
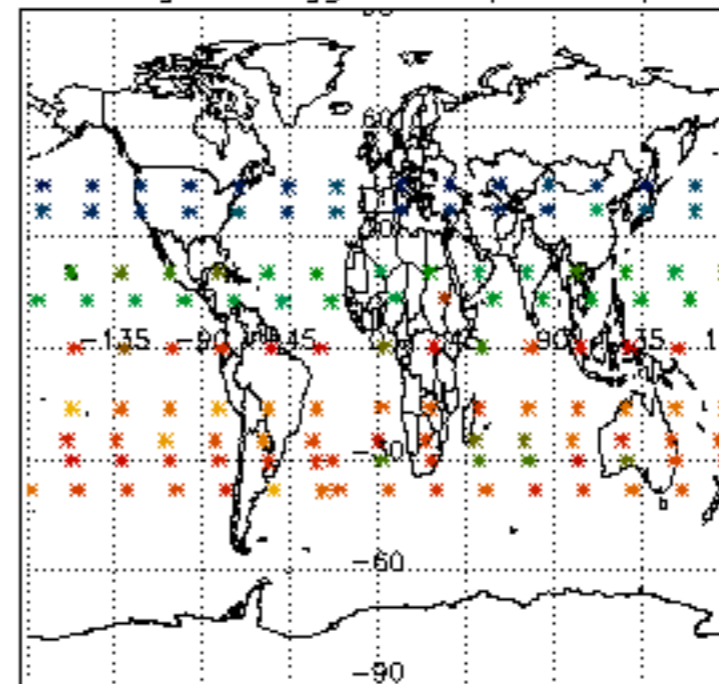
Percentage of flagged data per H2O profile

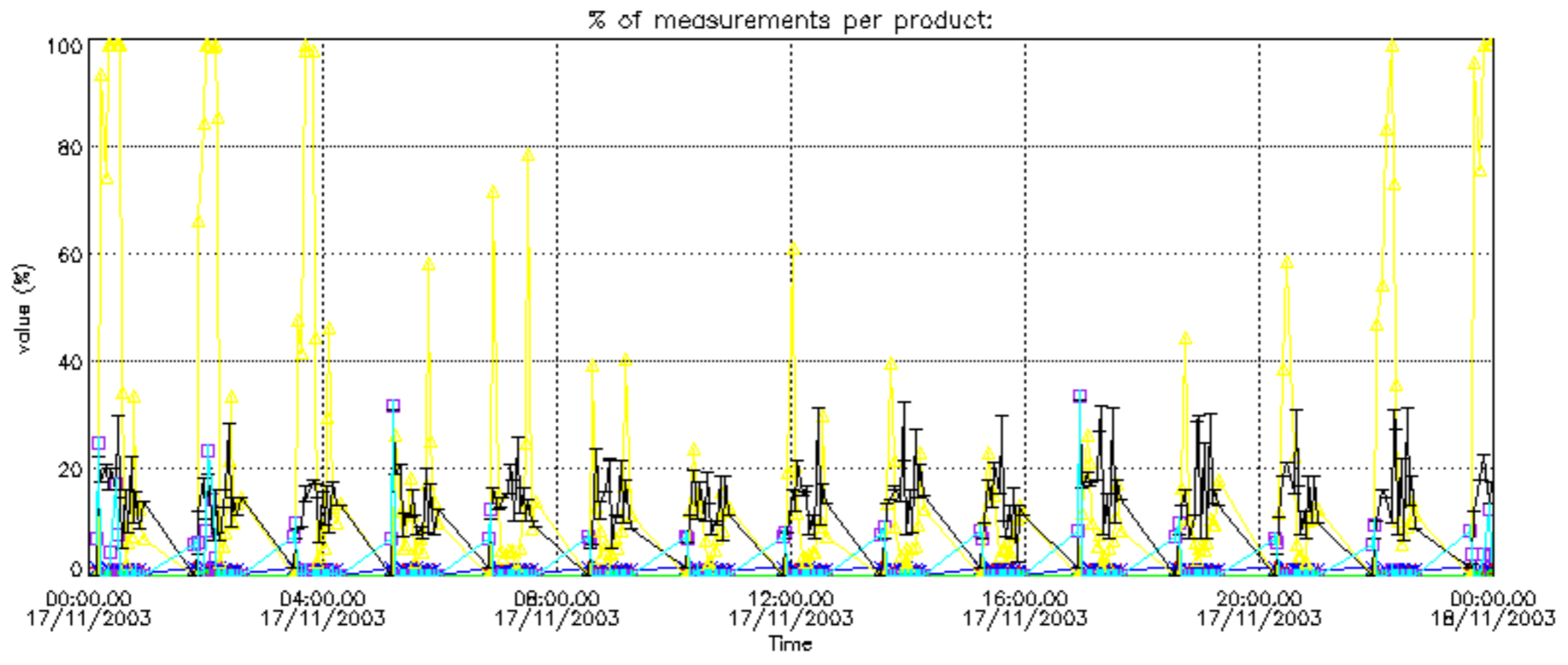


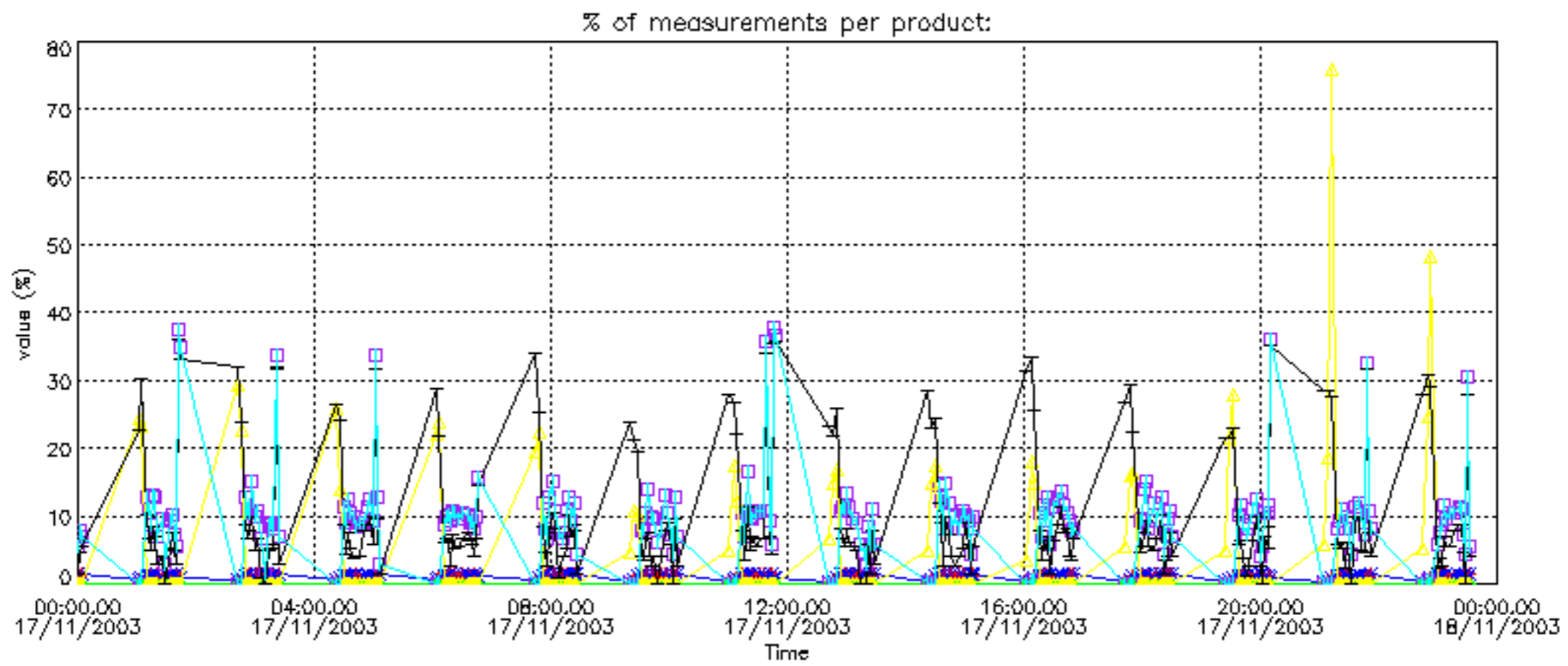
Percentage of flagged data per NO2 profile



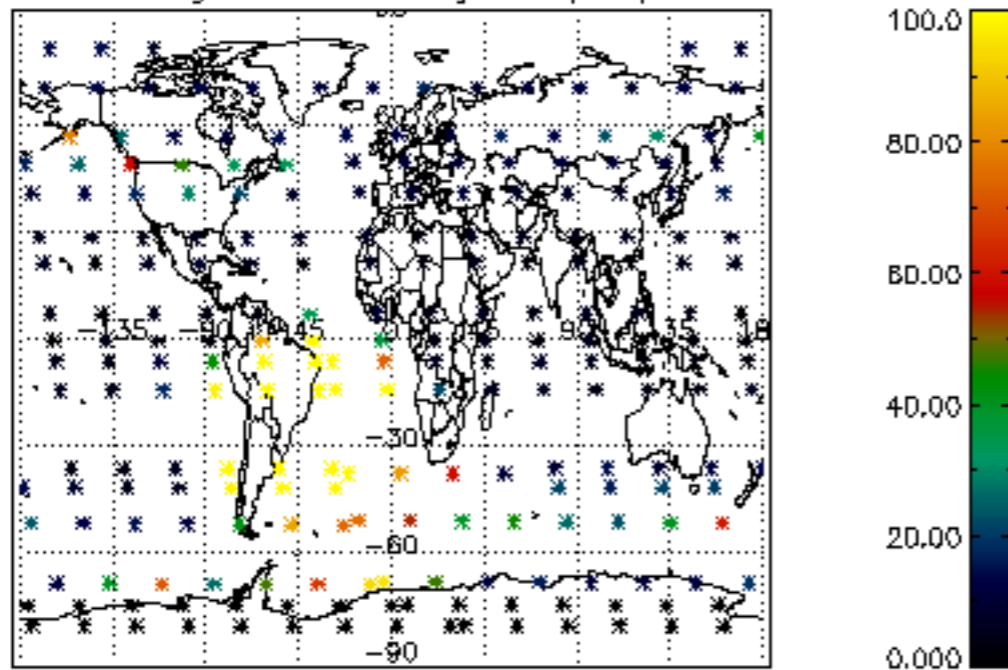
Percentage of flagged data per NO3 profile



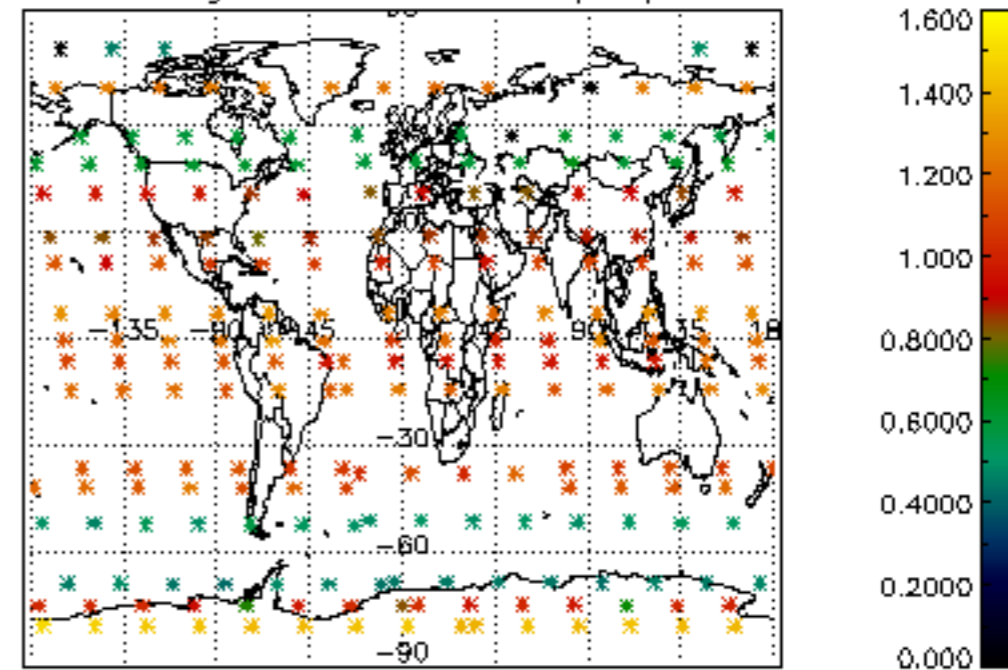




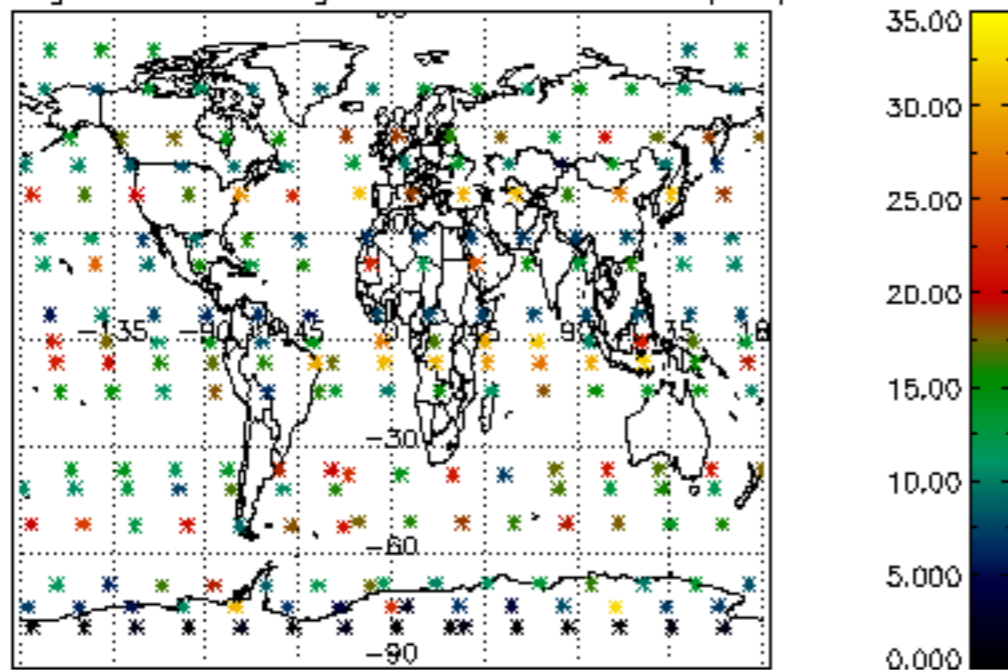
Percentage of cosmic ray hits per profile



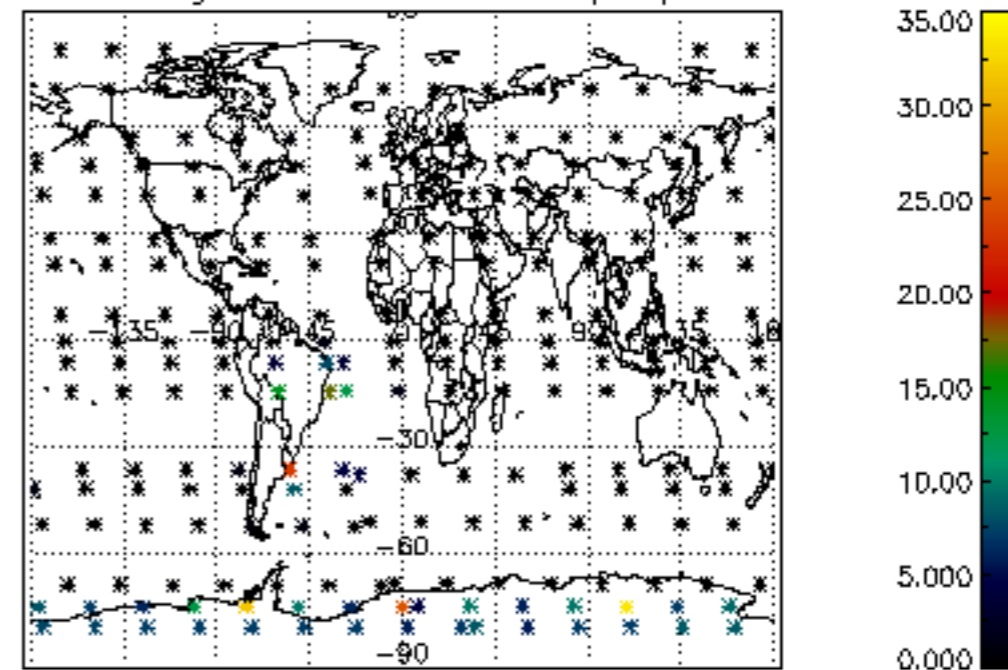
Percentage of datation errors per profile



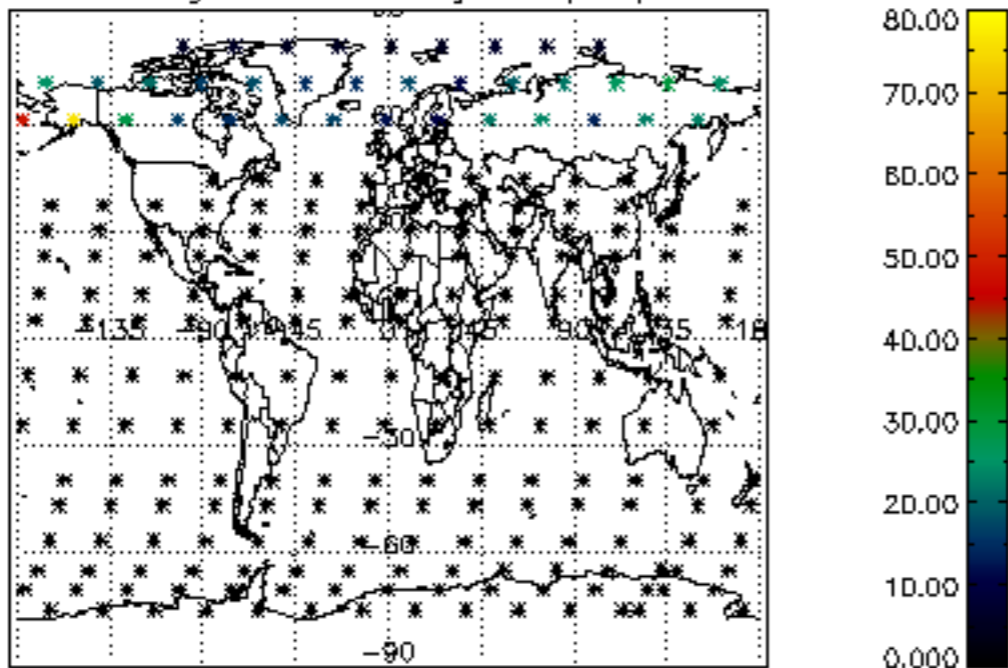
Percentage of star falling outside central band per profile



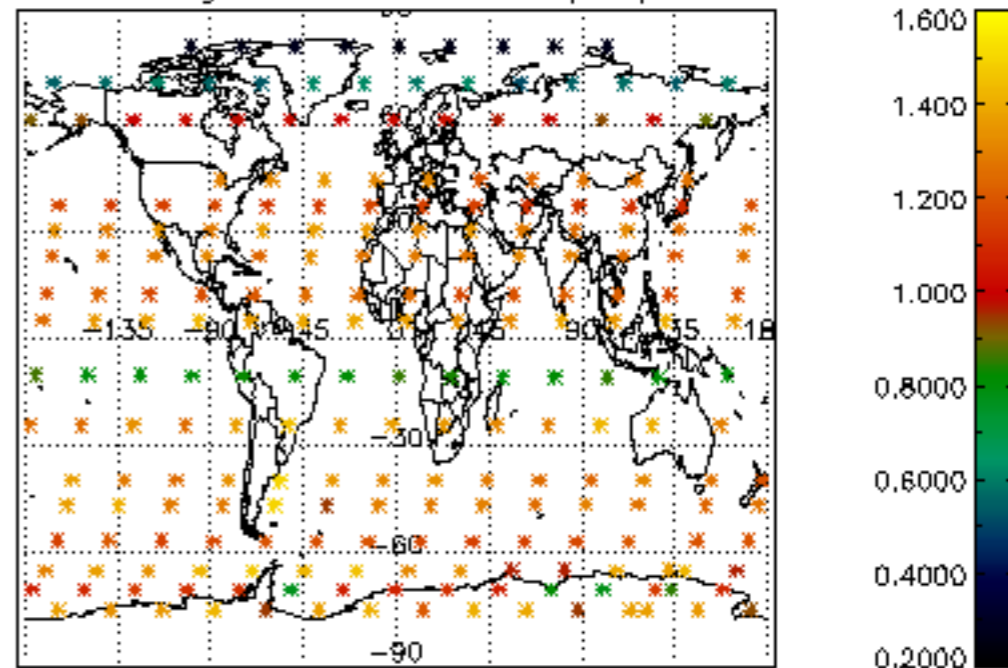
Percentage of saturation errors per profile



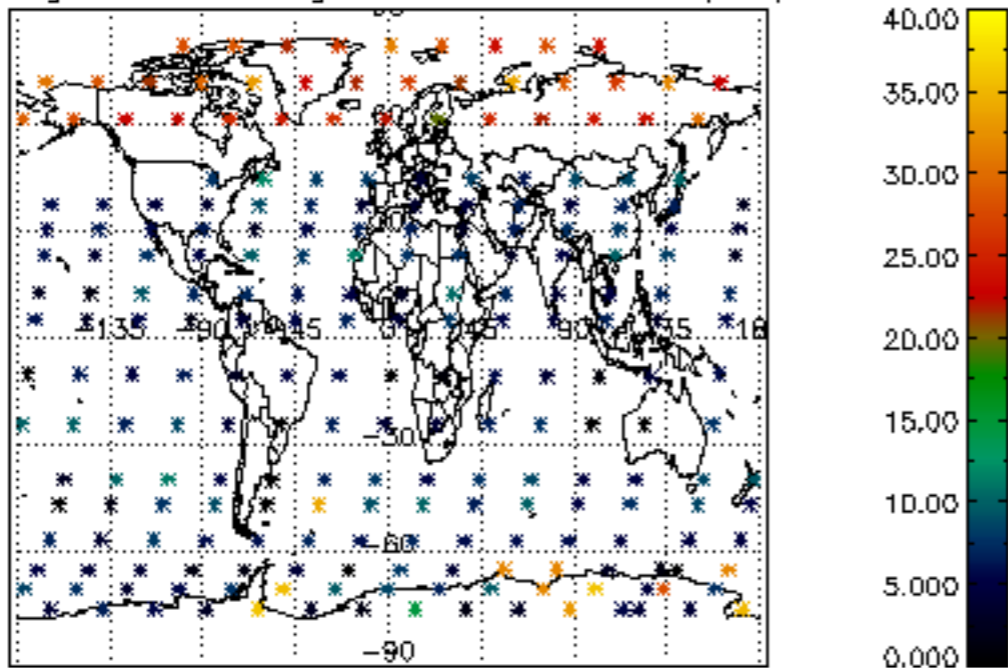
Percentage of cosmic ray hits per profile



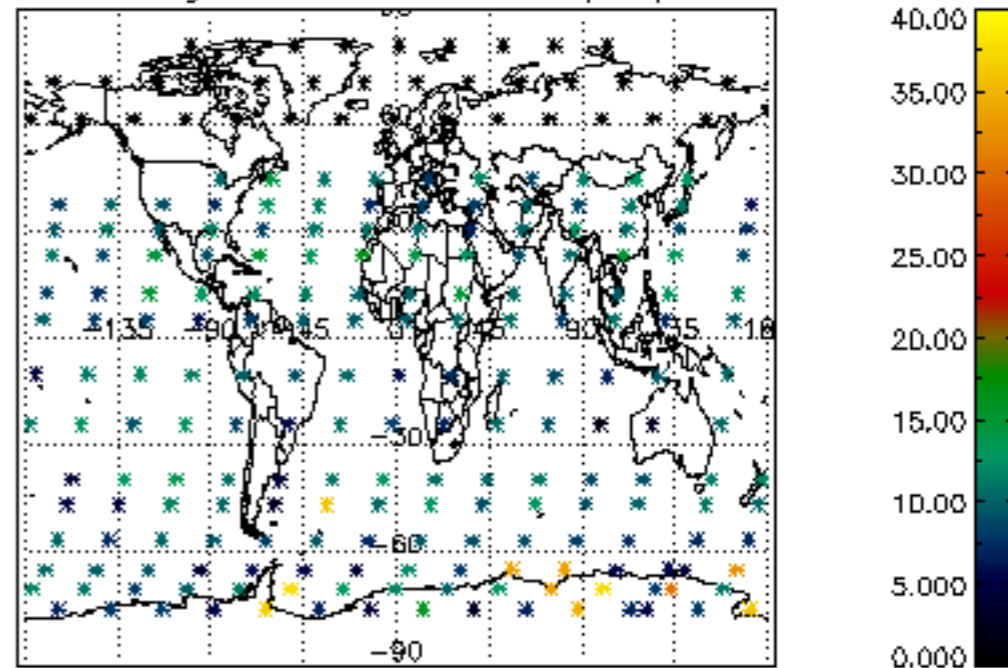
Percentage of datation errors per profile

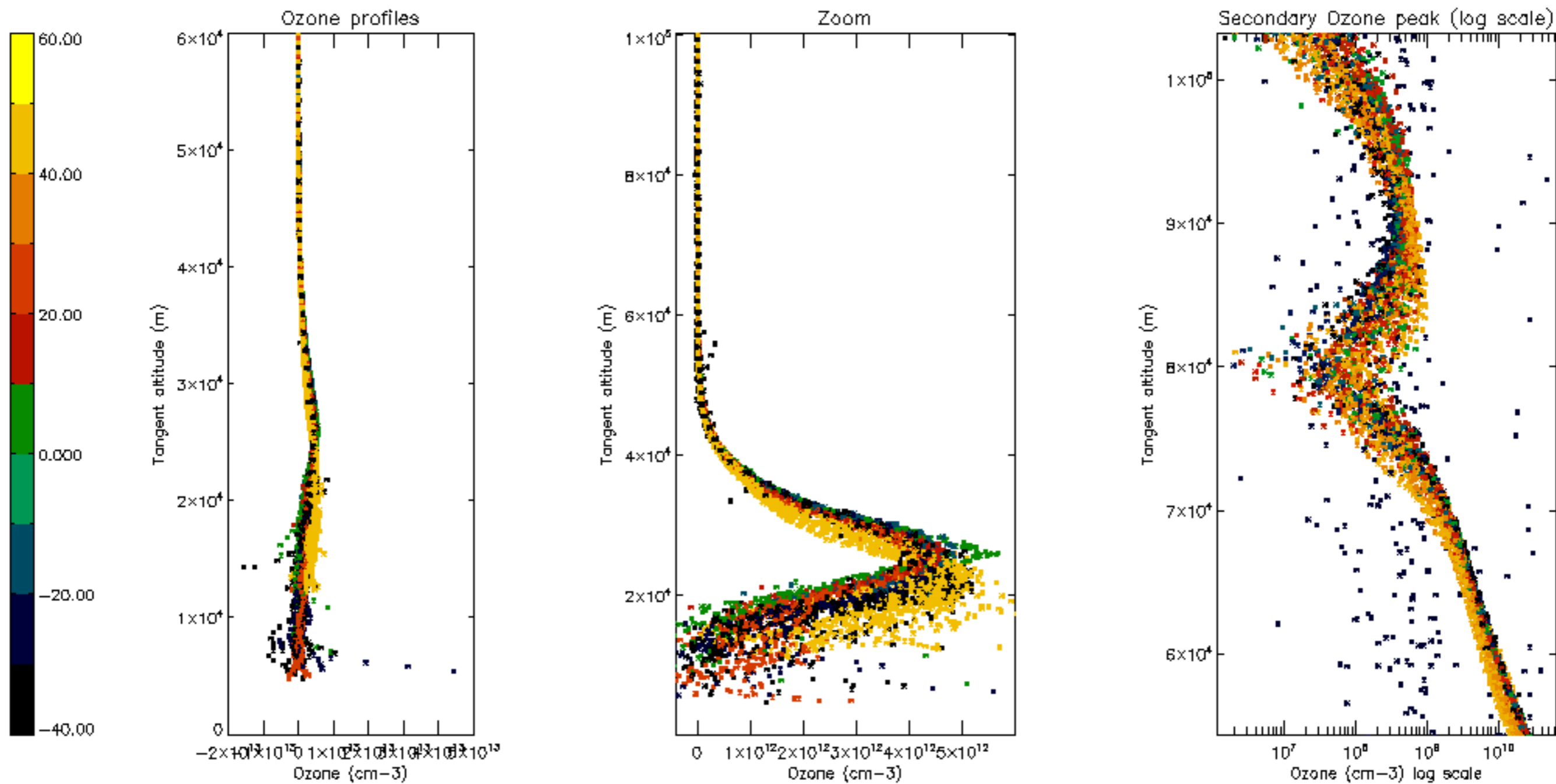


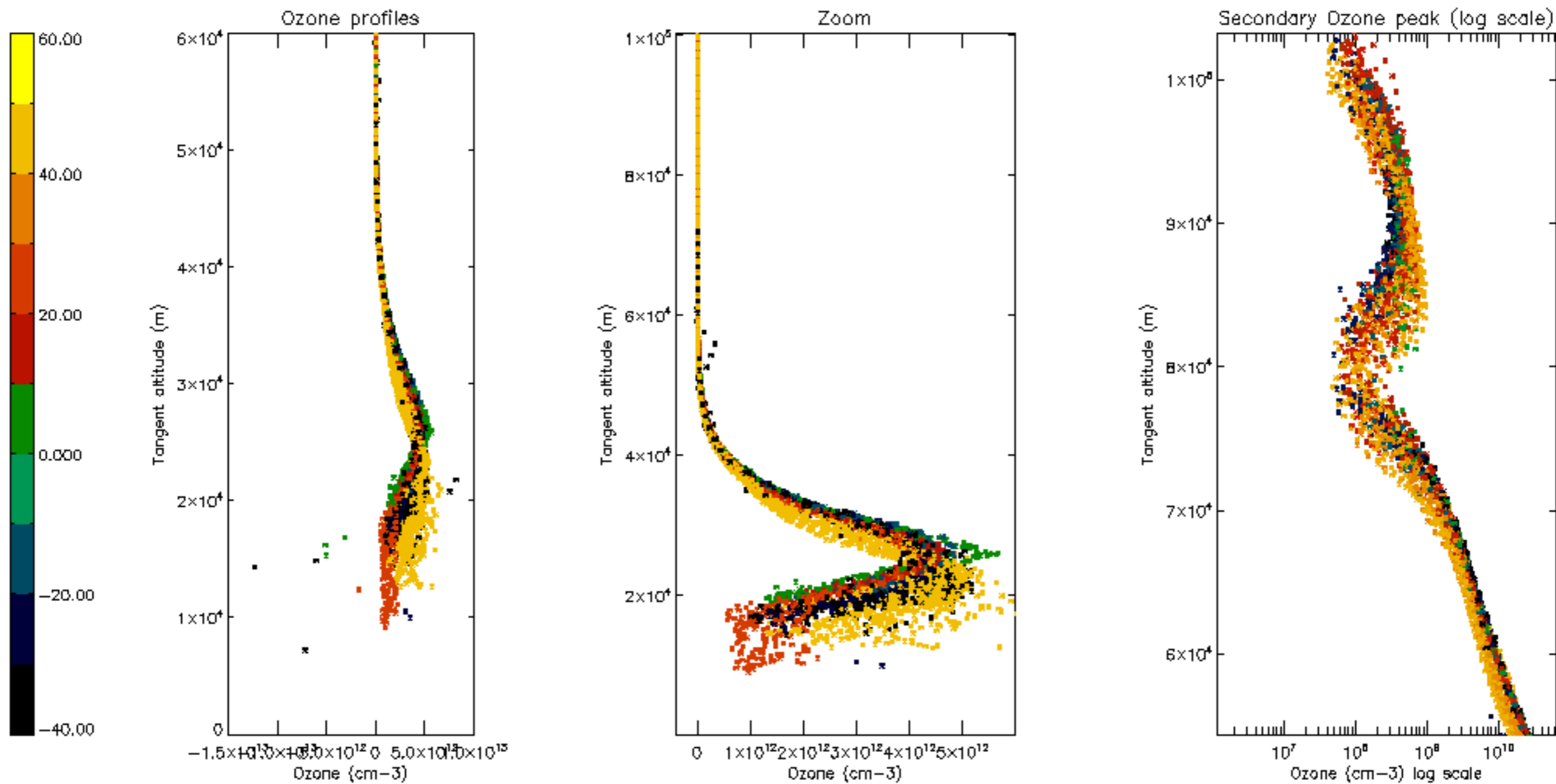
Percentage of star falling outside central band per profile

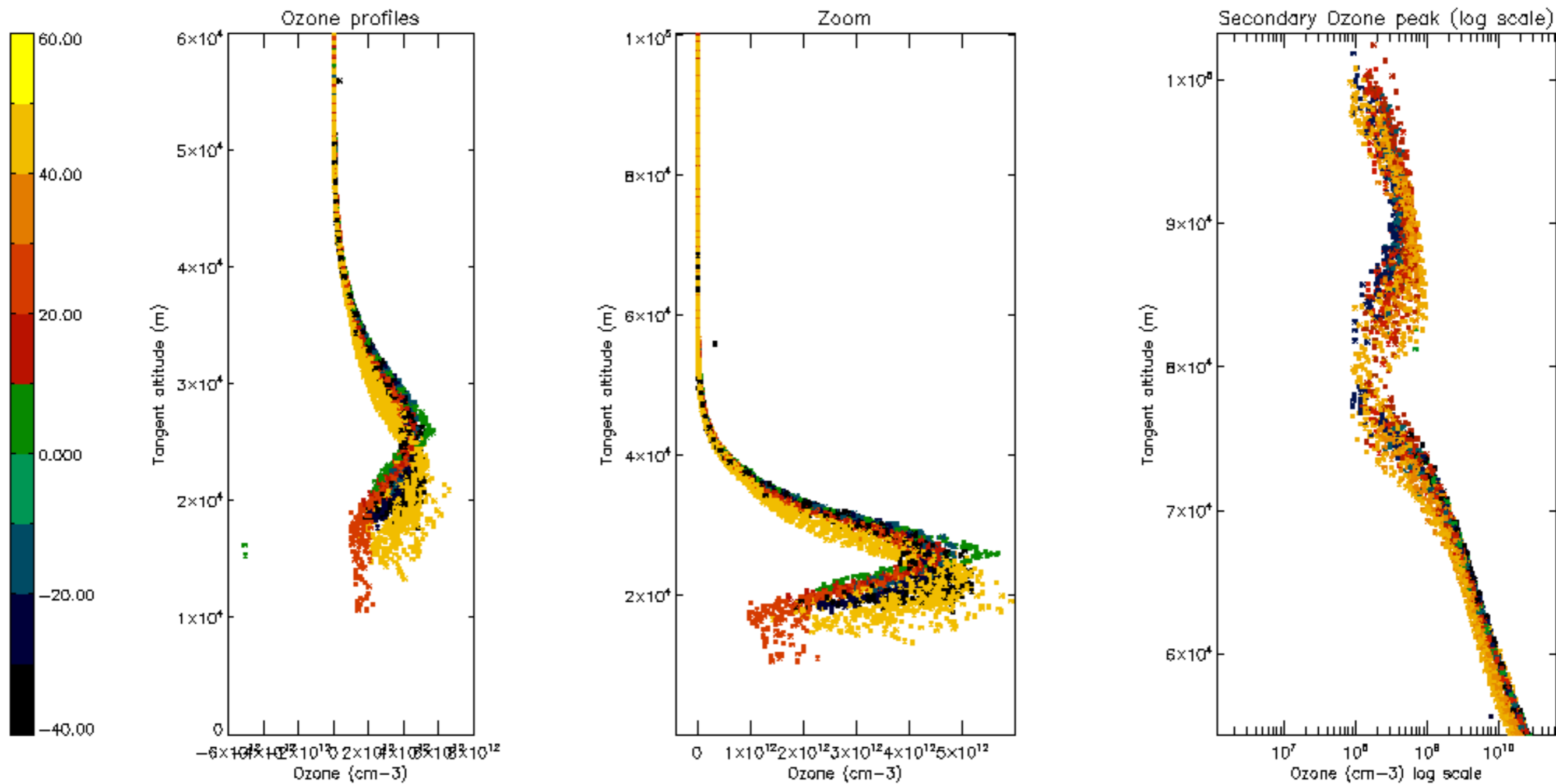


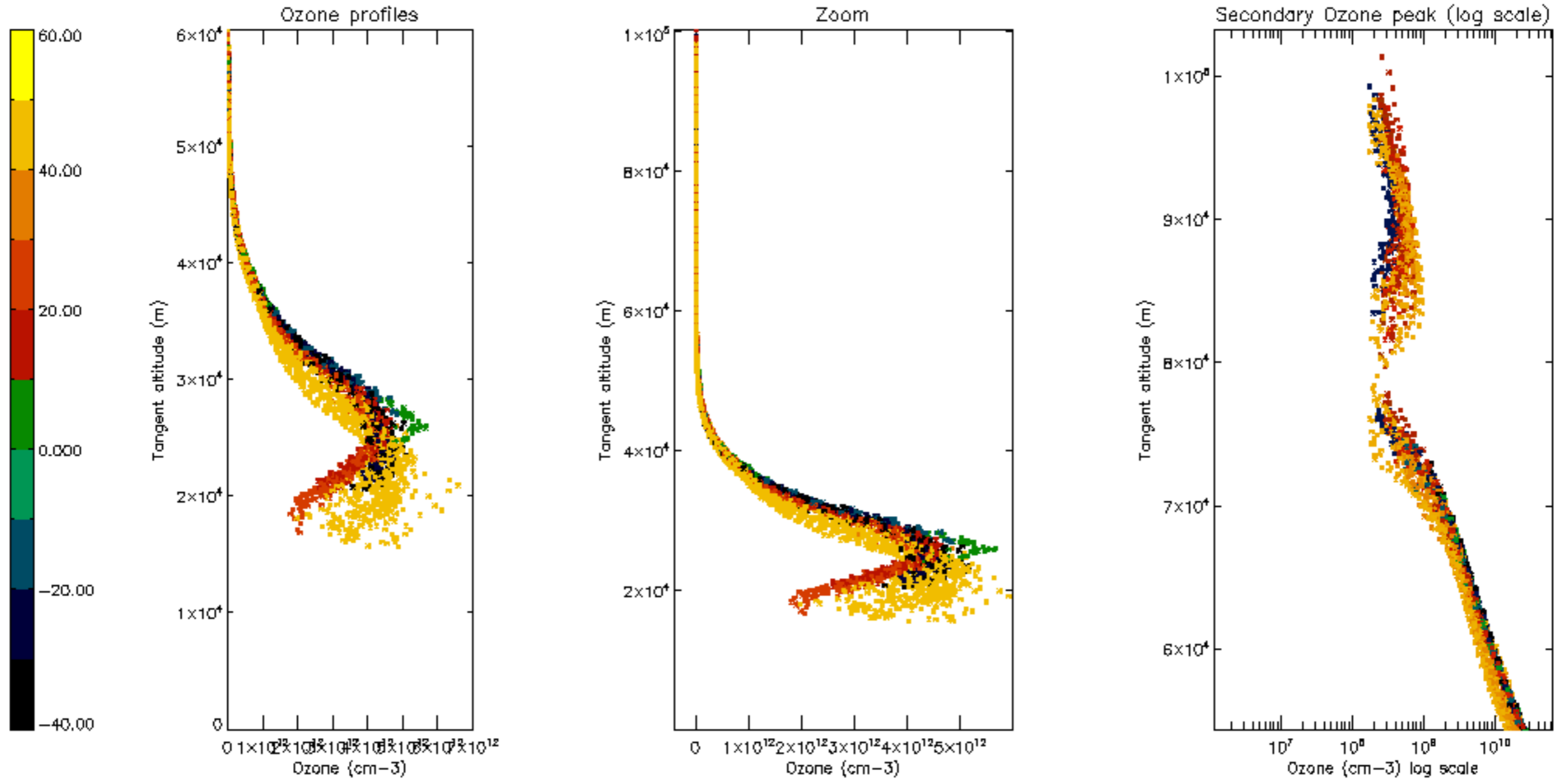
Percentage of saturation errors per profile

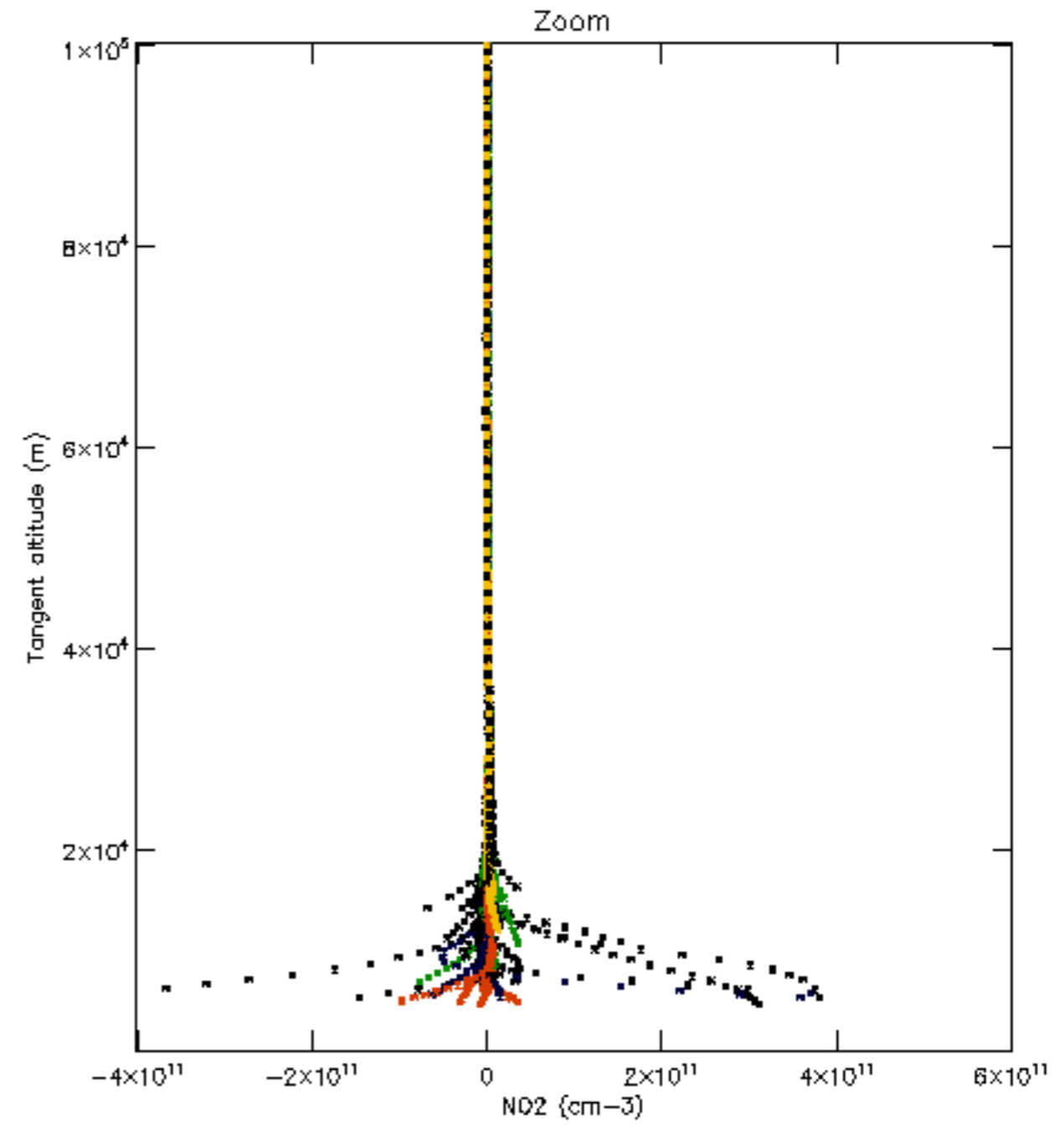
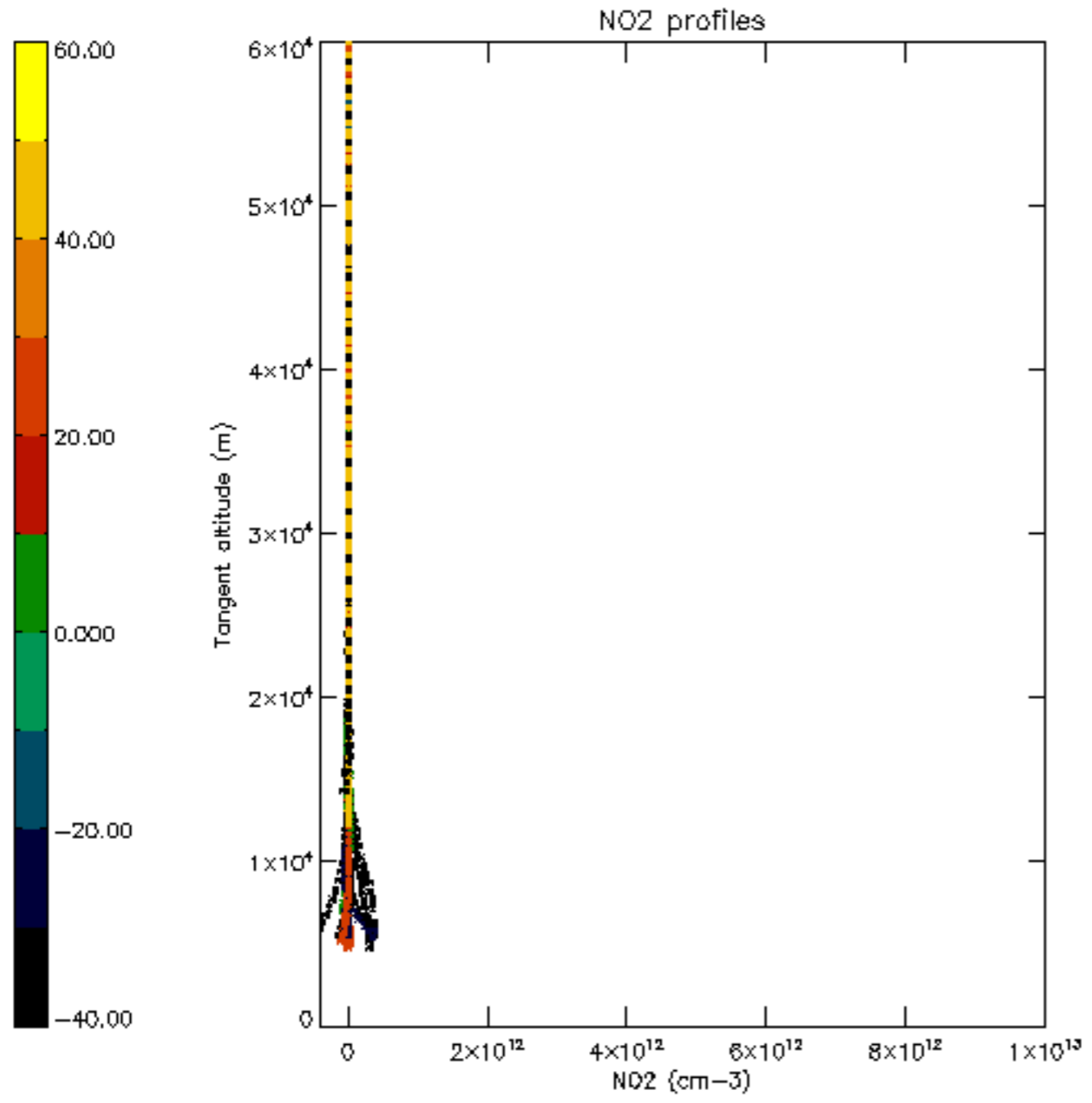


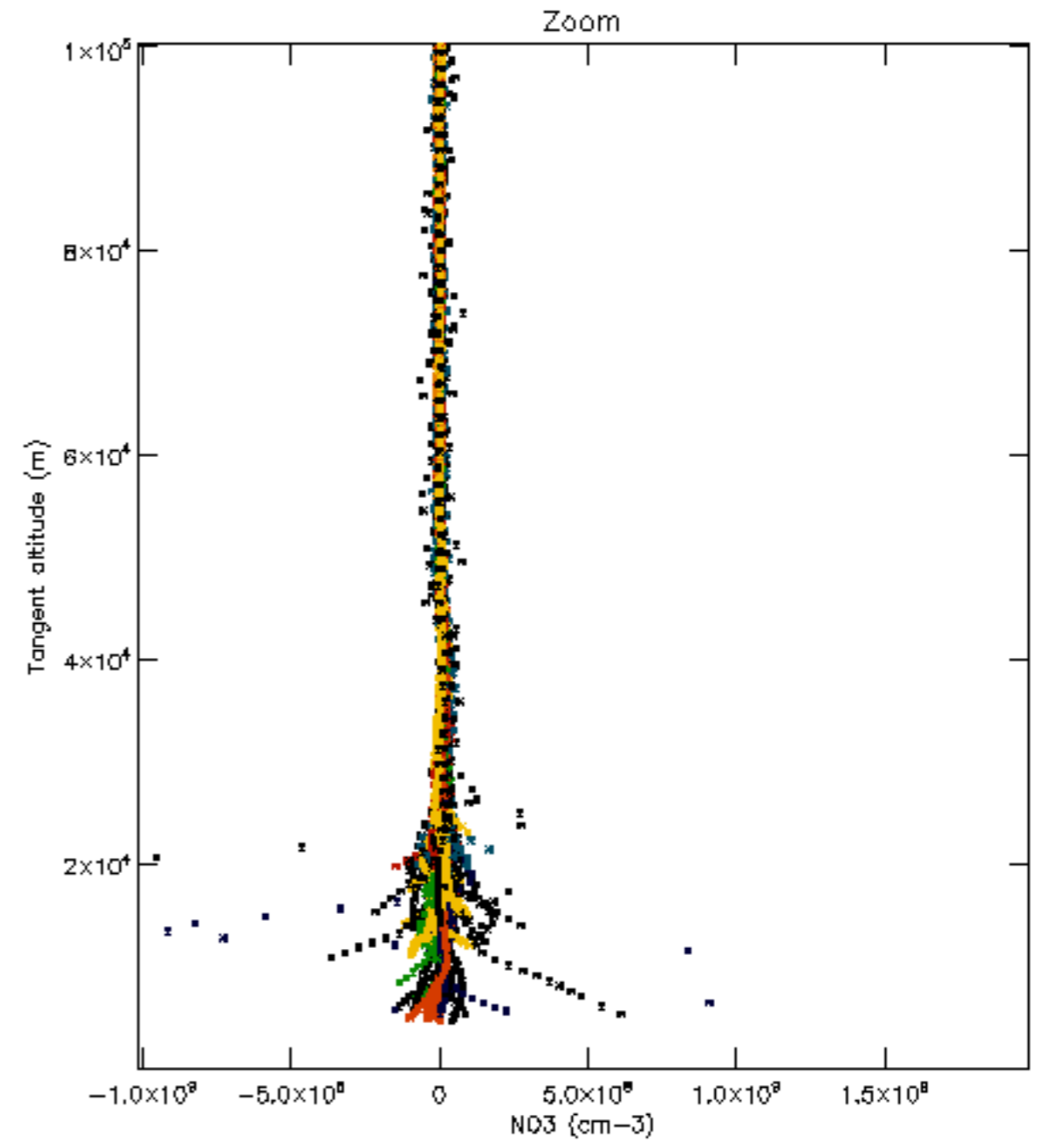
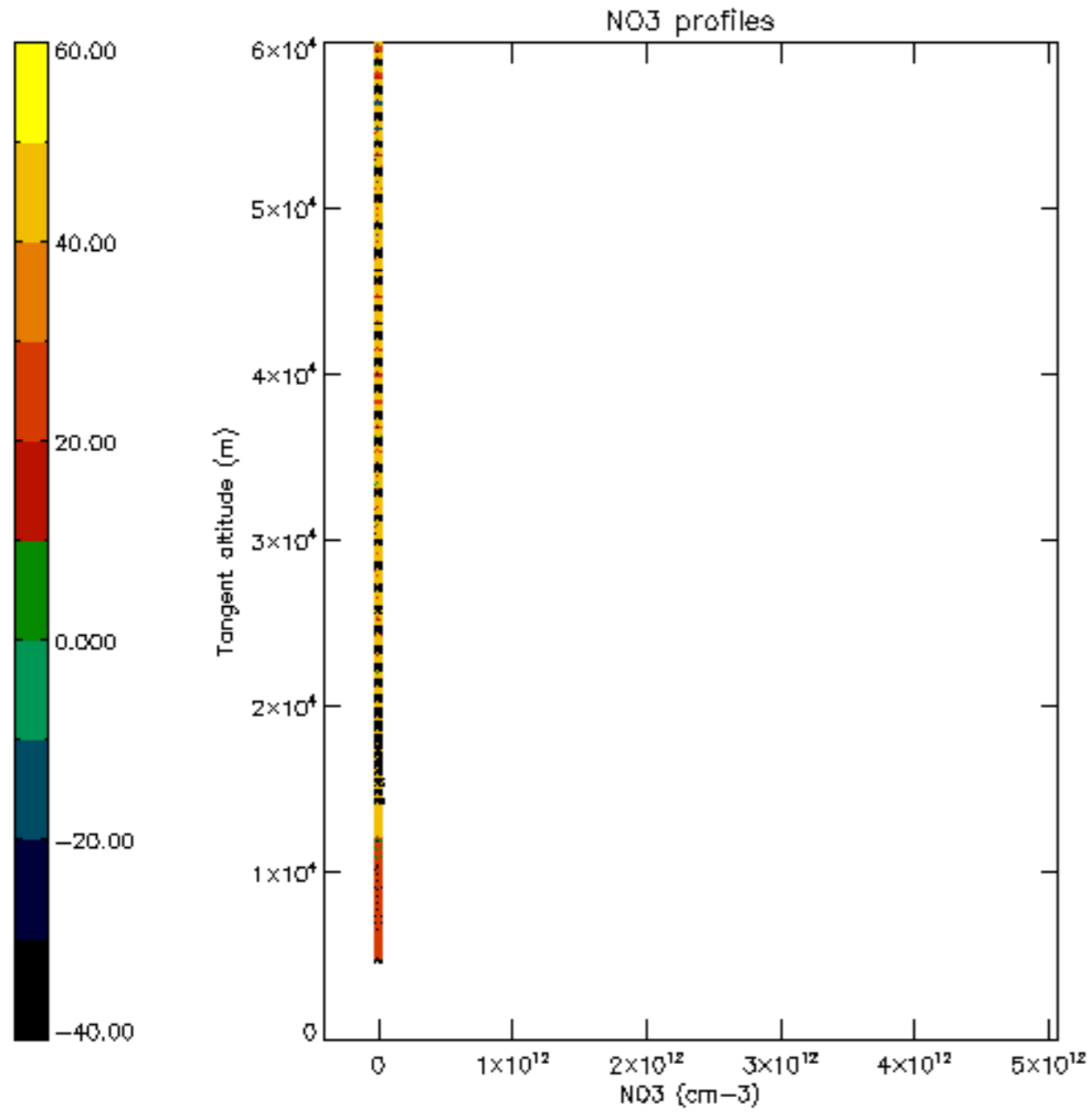


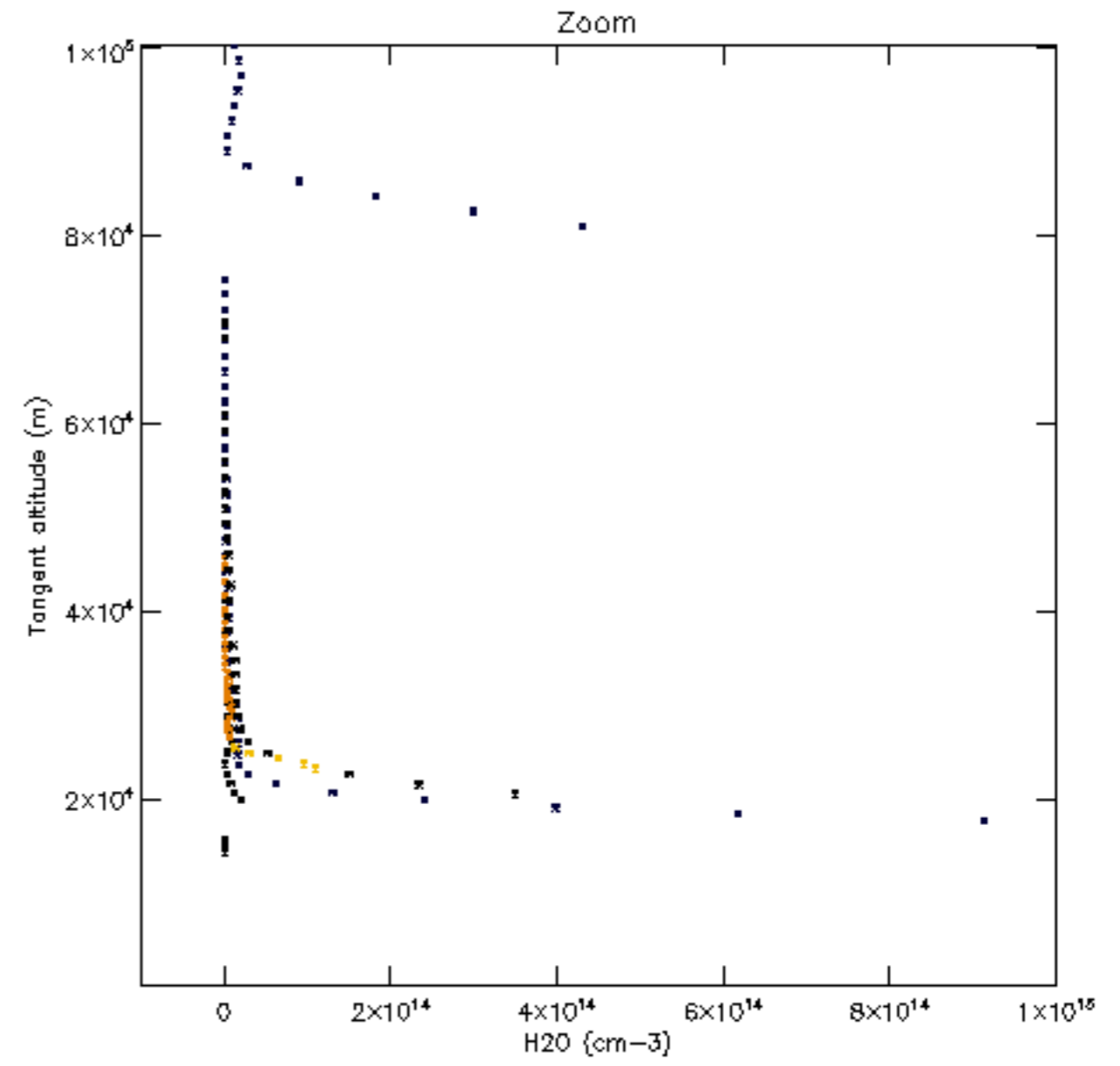
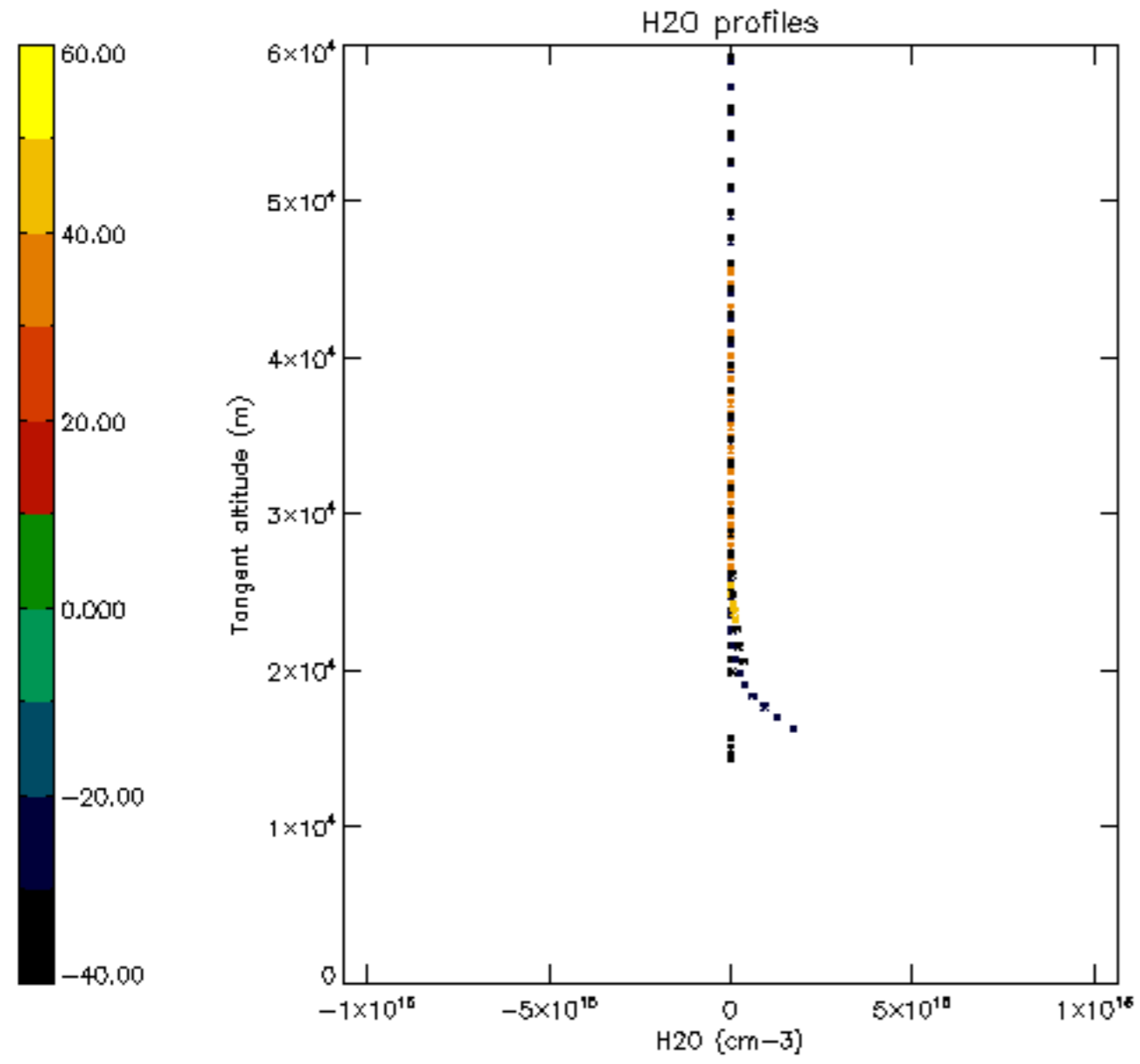


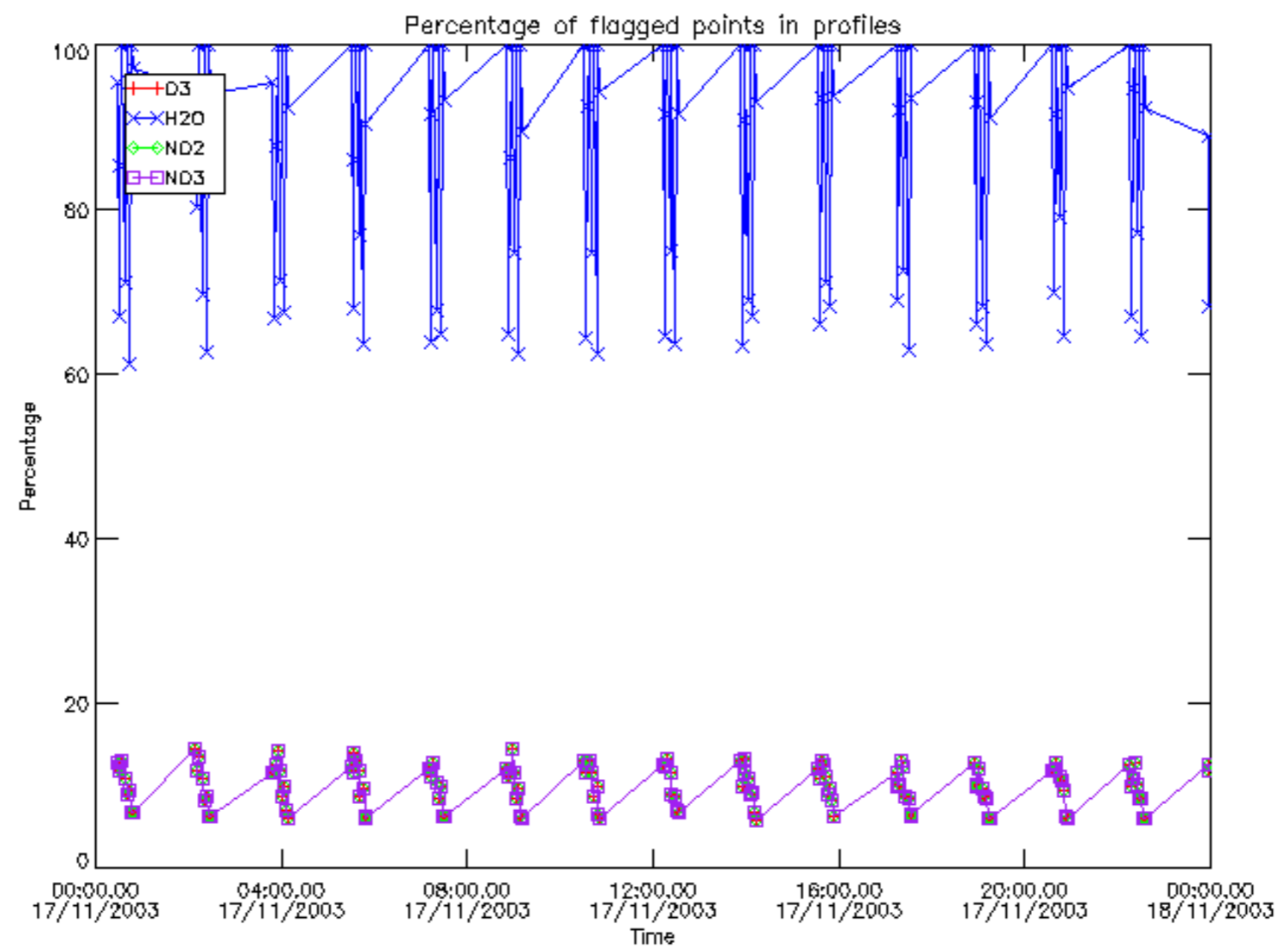




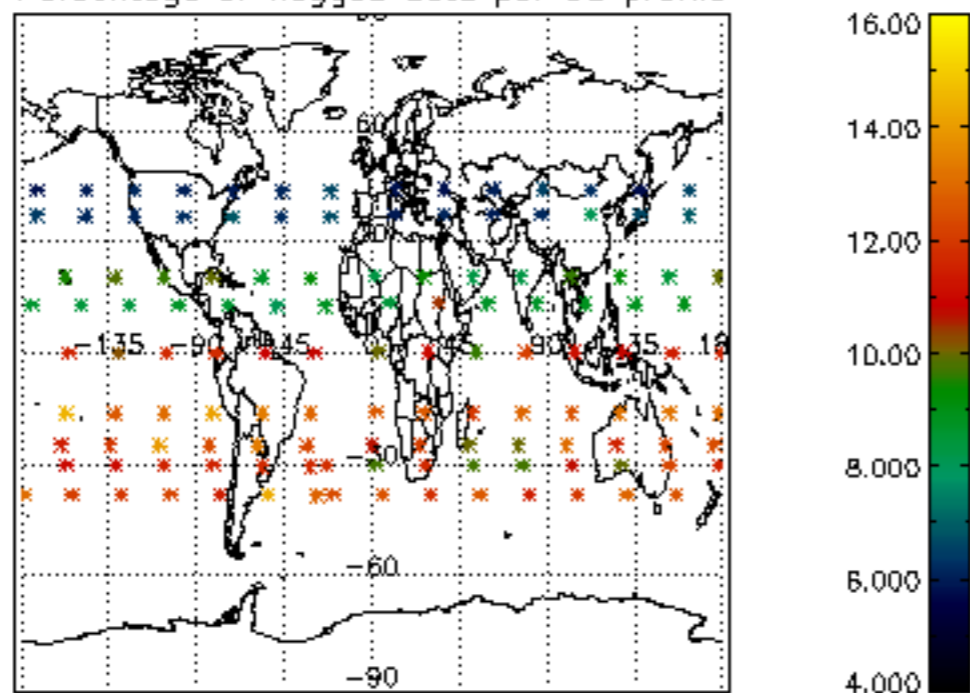




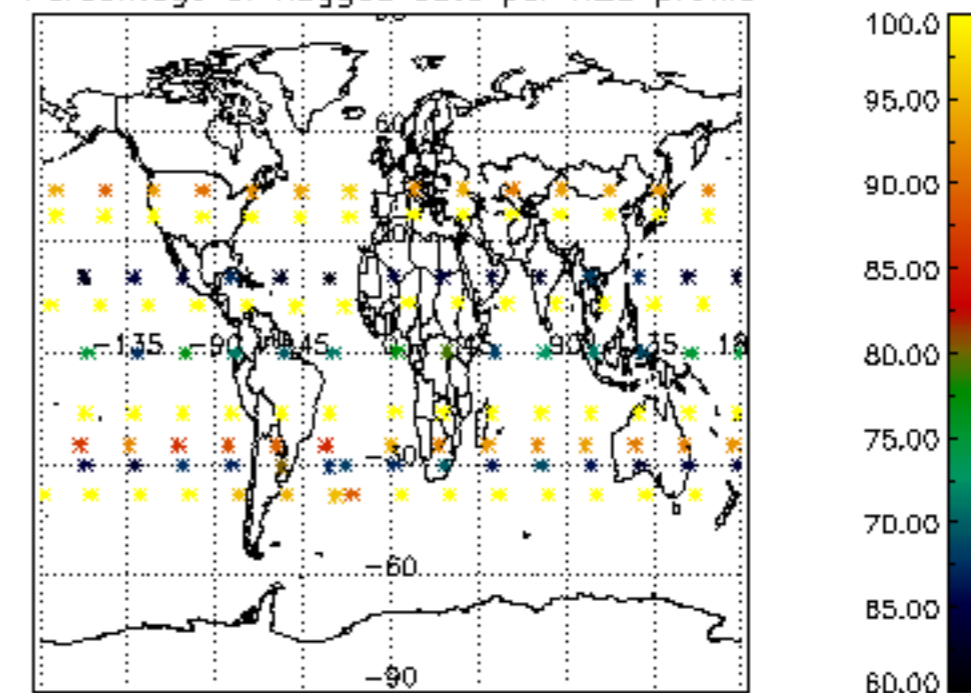




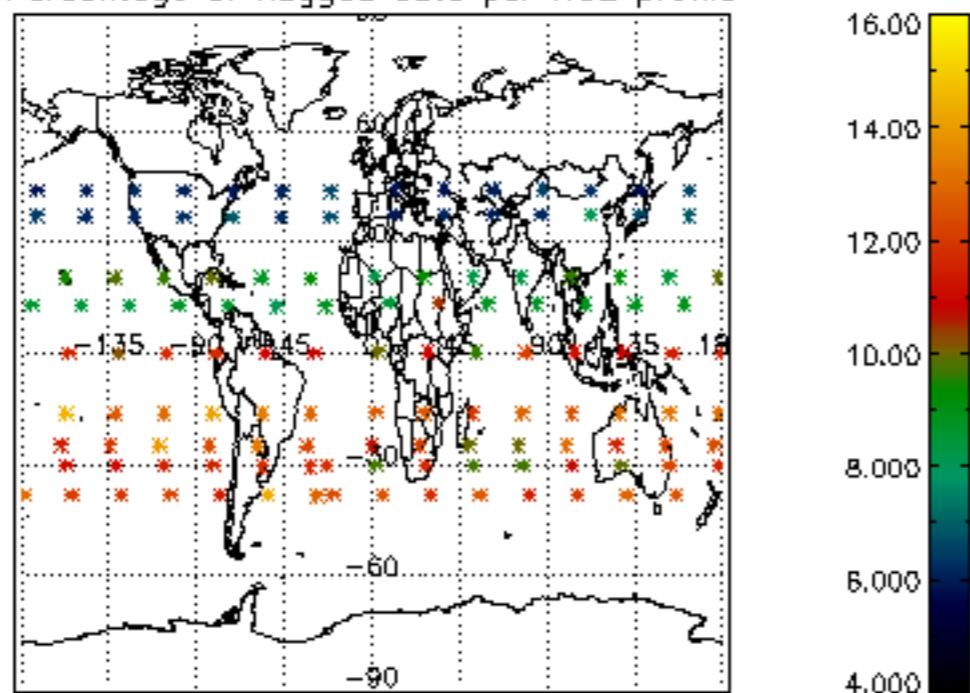
Percentage of flagged data per D3 profile



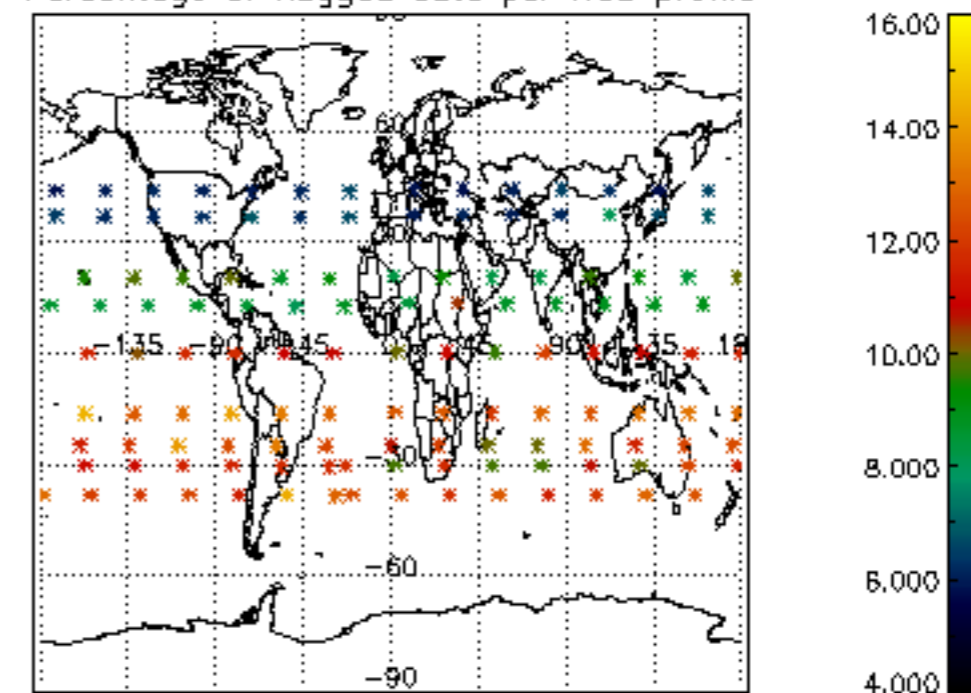
Percentage of flagged data per H2O profile

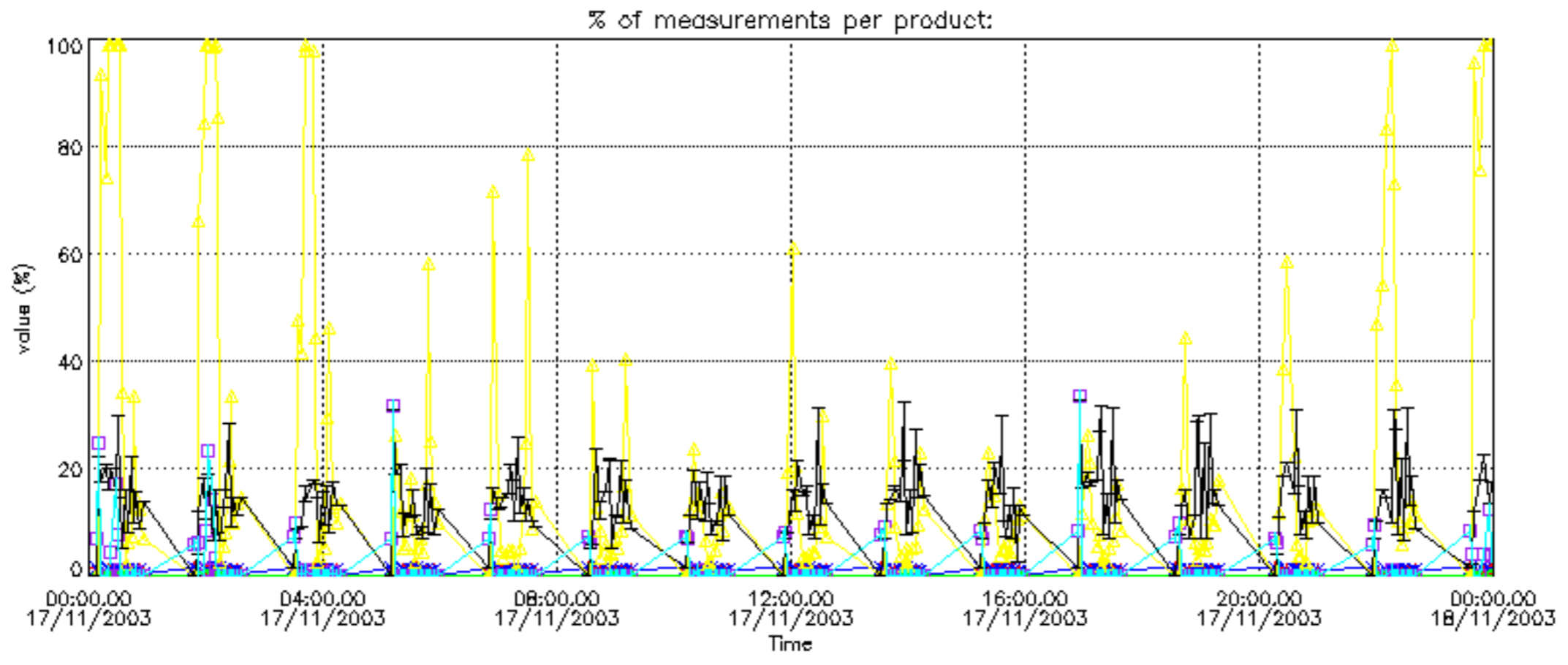


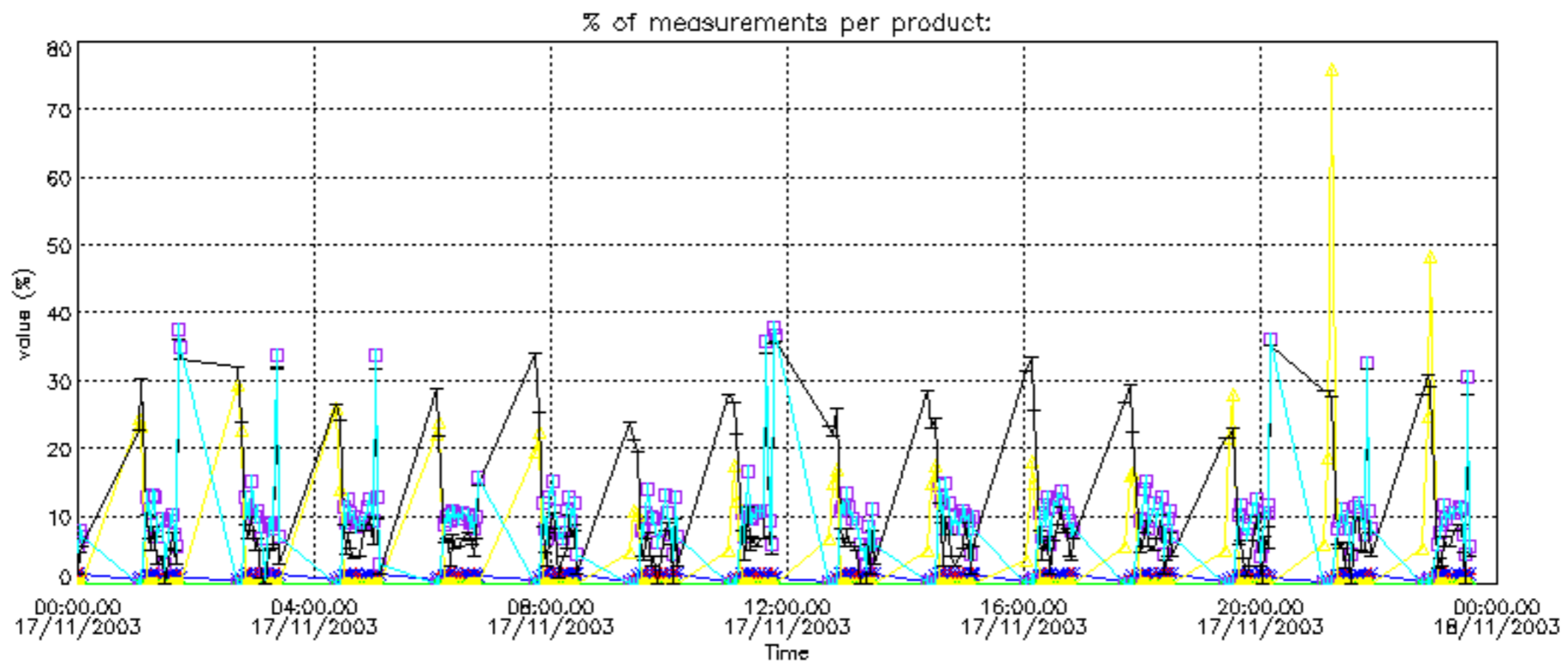
Percentage of flagged data per NO2 profile



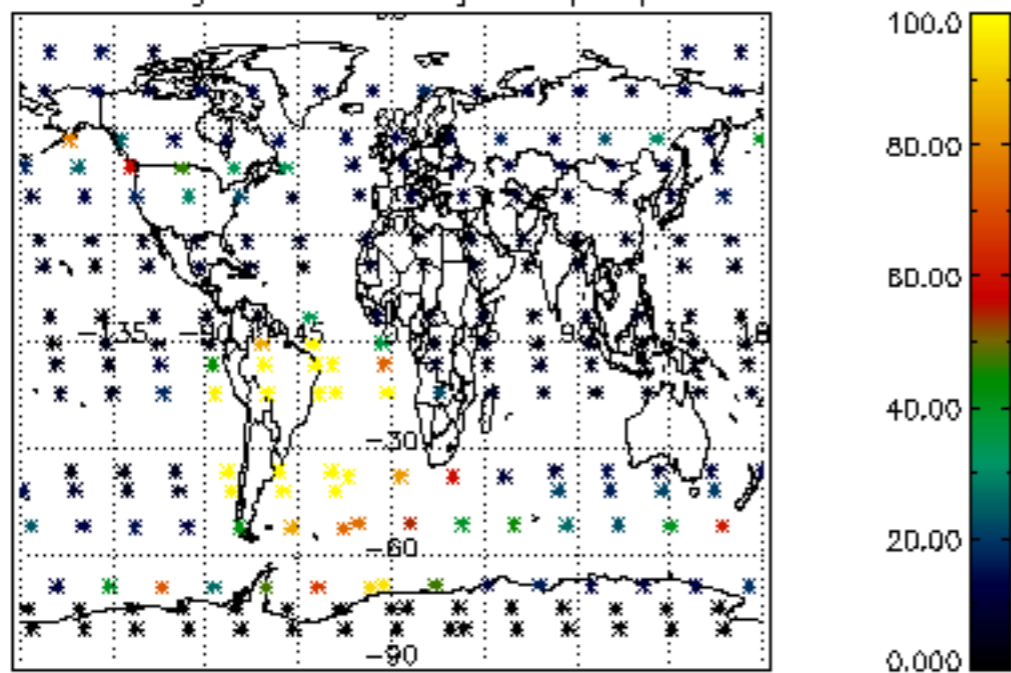
Percentage of flagged data per NO3 profile



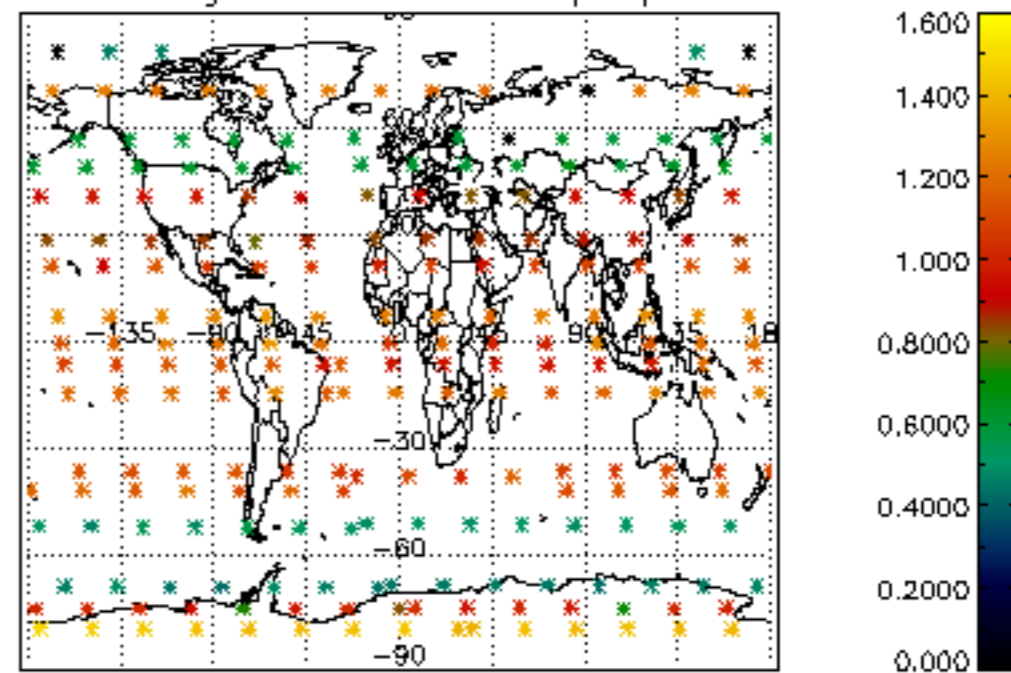




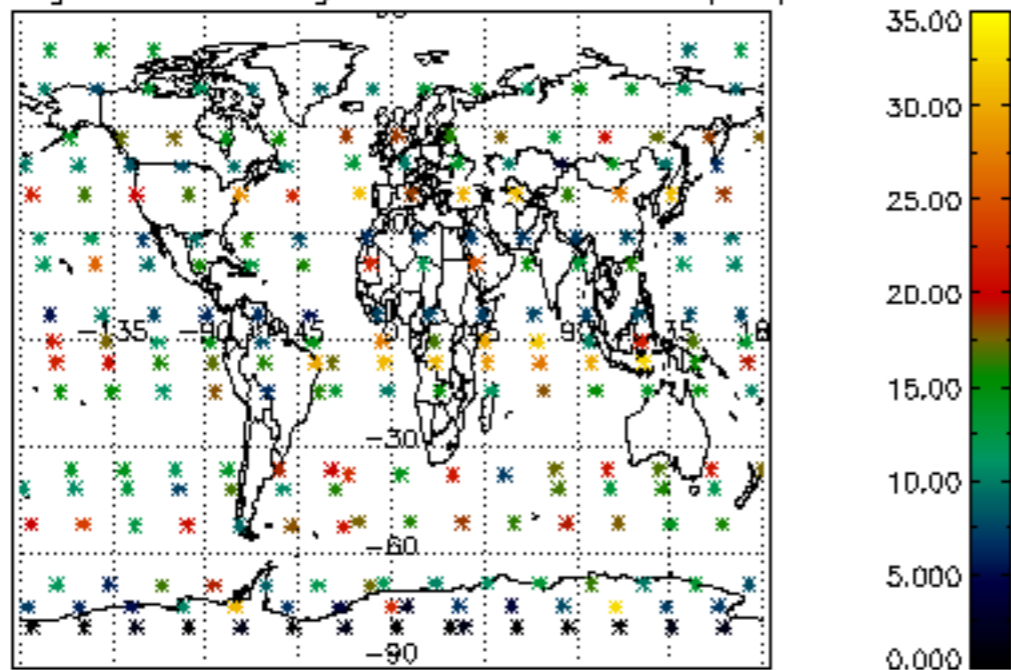
Percentage of cosmic ray hits per profile



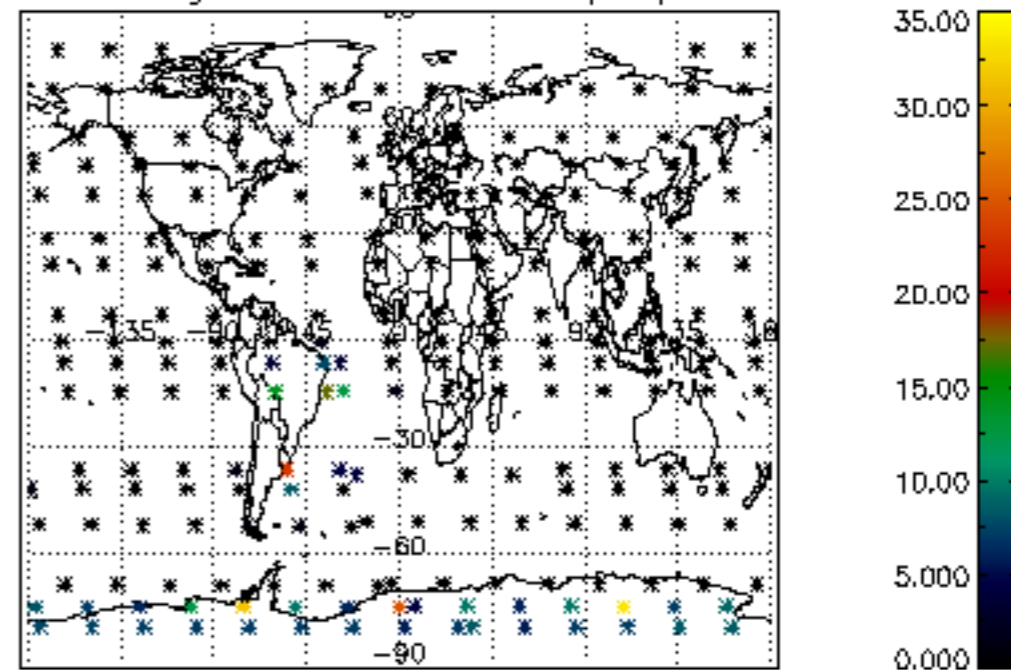
Percentage of datation errors per profile



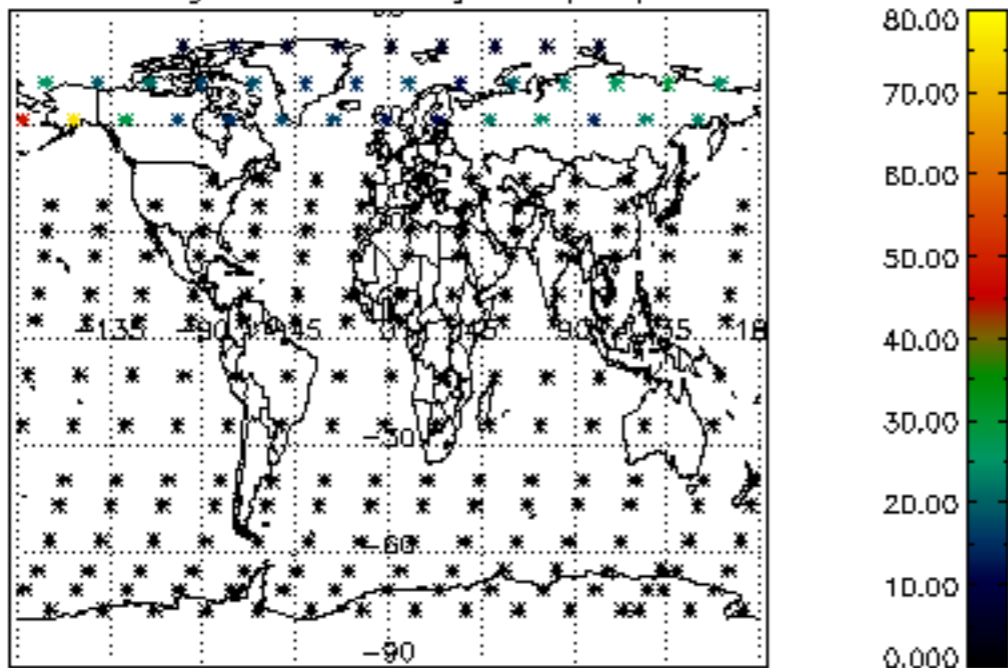
Percentage of star falling outside central band per profile



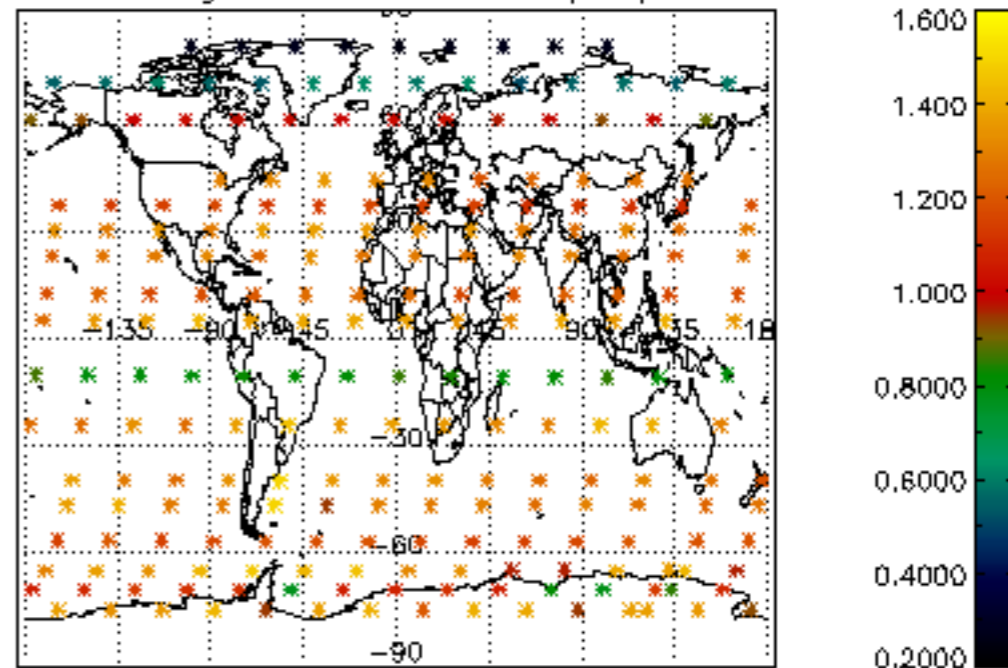
Percentage of saturation errors per profile



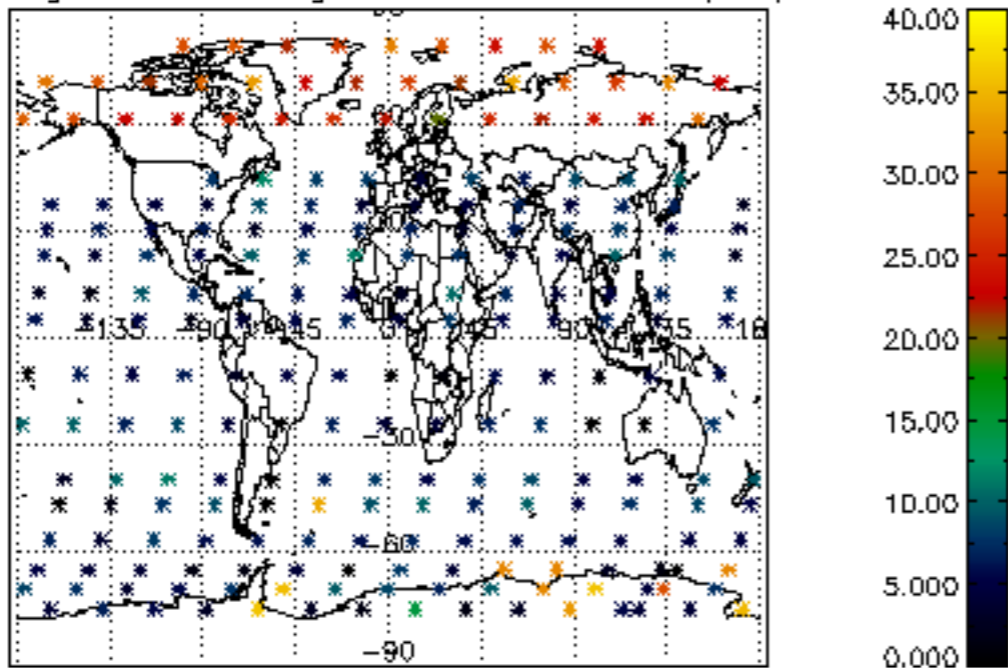
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

