

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 21:56:42
Data source version	GOMOS/6.01
Start time of products	20-03-2004 (20MAR2004 00:00:00)
Stop time of products	21-03-2004 (21MAR2004 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	432
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

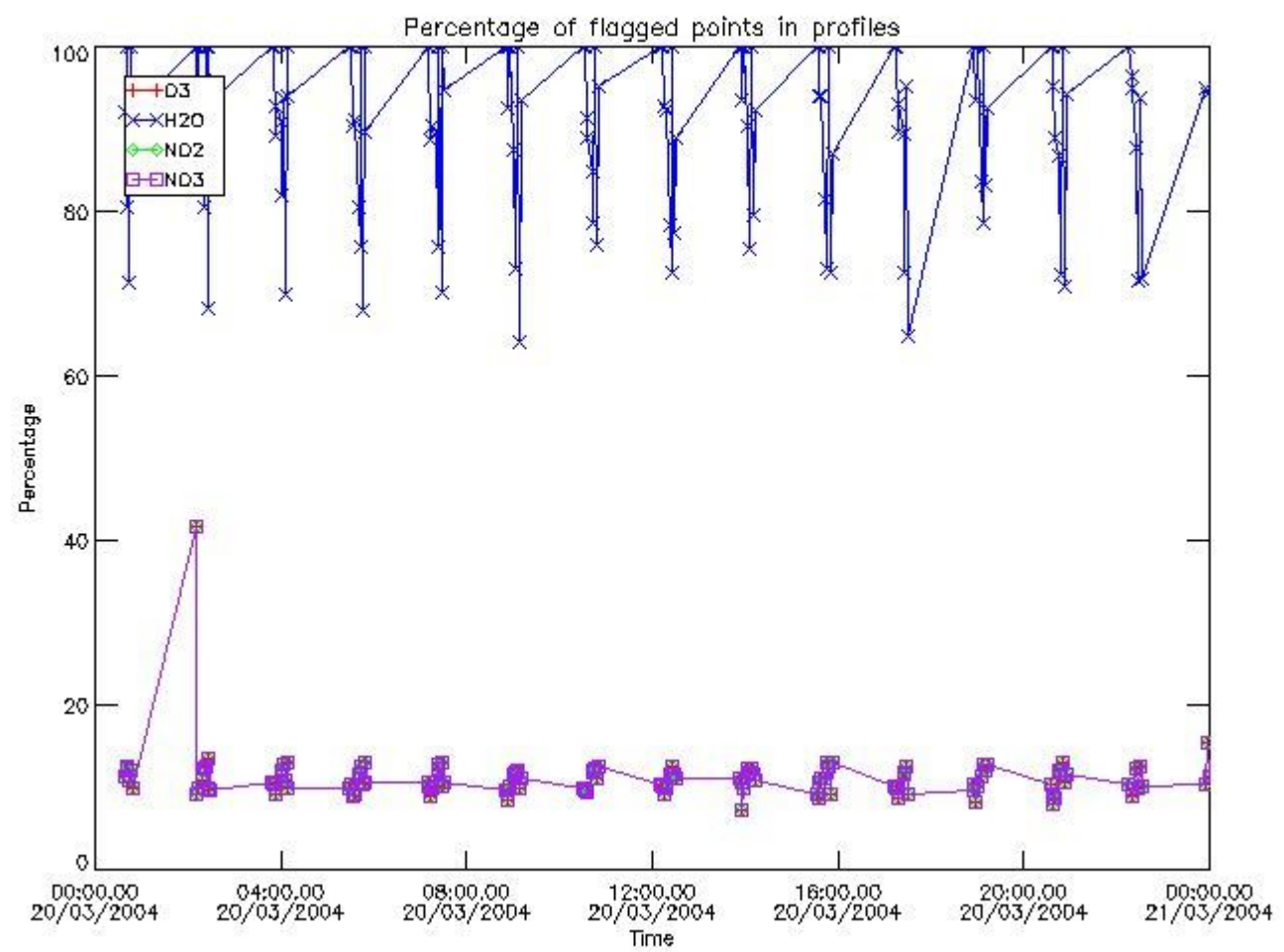
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20040320_003824_000000452025_00160_10735_0697.N1	20-MAR-2004 00:38:24	Dark	45.000	141	Bet Ara	2.8400	4600.0	90	10735	No
2	GOM_NL__2PRFIN20040320_004025_000000422025_00160_10735_0698.N1	20-MAR-2004 00:40:25	Dark	41.500	43	Alp TrA	1.9100	4250.0	83	10735	No
3	GOM_NL__2PRFIN20040320_004158_000000412025_00160_10735_0699.N1	20-MAR-2004 00:41:58	Dark	41.000	134	Bet TrA	2.8100	6600.0	82	10735	No
4	GOM_NL__2PRFIN20040320_004441_000000482025_00160_10735_0700.N1	20-MAR-2004 00:44:41	Dark	47.500	4	Alp1Cen	-0.010000	5800.0	95	10735	No
5	GOM_NL__2PRFIN20040320_004603_000000432025_00160_10735_0701.N1	20-MAR-2004 00:46:03	Dark	42.500	112	Alp Mus	2.6880	26000.	85	10735	No
6	GOM_NL__2PRFIN20040320_004735_000000522025_00160_10735_0702.N1	20-MAR-2004 00:47:35	Dark	51.500	12	Alp1Cru	0.77500	30000.	103	10735	No
7	GOM_NL__2PRFIN20040320_004857_000000542025_00160_10735_0703.N1	20-MAR-2004 00:48:57	Straylight	54.000	26	Gam Cru	1.6240	2900.0	108	10735	No
8	GOM_NL__2PRFIN20040320_005127_000000572025_00160_10735_0704.N1	20-MAR-2004 00:51:27	Straylight	57.000	54	5The Cen	2.0550	4500.0	114	10735	No
9	GOM_NL__2PRFIN20040320_005305_000000492025_00160_10735_0705.N1	20-MAR-2004 00:53:05	Straylight	48.500	123	lot Cen	2.7500	10200.	97	10735	No
10	GOM_NL__2PRFIN20040320_005835_000000522025_00160_10735_0706.N1	20-MAR-2004 00:58:35	Straylight	52.000	106	9Bet Crv	2.6480	5600.0	104	10735	No
11	GOM_NL__2PRFIN20040320_010047_000000502025_00160_10735_0707.N1	20-MAR-2004 01:00:47	Twilight_stray	49.500	100	4Gam Crv	2.5800	13100.	99	10735	No
12	GOM_NL__2PRFIN20040320_010314_000000792025_00160_10735_0708.N1	20-MAR-2004 01:03:14	Bright	79.000	15	67Alp Vir	0.97600	28000.	158	10735	No
13	GOM_NL__2PRFIN20040320_010650_000000572025_00160_10735_0709.N1	20-MAR-2004 01:06:50	Bright	57.000	121	29Gam Vir	2.7400	7200.0	114	10735	No
14	GOM_NL__2PRFIN20040320_011003_000000422025_00160_10735_0710.N1	20-MAR-2004 01:10:03	Bright	41.500	22	32Alp Leo	1.3600	15200.	83	10735	No
15	GOM_NL__2PRFIN20040320_011216_000000402025_00160_10735_0711.N1	20-MAR-2004 01:12:16	Bright	40.000	51	41Gam1Leo	2.0100	4500.0	80	10735	No
16	GOM_NL__2PRFIN20040320_011331_000000392025_00160_10735_0712.N1	20-MAR-2004 01:13:31	Bright	39.000	166	17Eps Leo	2.9800	6000.0	78	10735	No
17	GOM_NL__2PRFIN20040320_011945_000000392025_00160_10735_0713.N1	20-MAR-2004 01:19:45	Bright	38.500	174	52Psi UMa	3.0040	4400.0	77	10735	No
18	GOM_NL__2PRFIN20040320_012259_000000382025_00160_10735_0714.N1	20-MAR-2004 01:22:59	Bright	38.000	82	48Bet UMa	2.3650	10600.	76	10735	No
19	GOM_NL__2PRFIN20040320_012430_000000402025_00160_10735_0715.N1	20-MAR-2004 01:24:30	Bright	40.000	36	50Alp UMa	1.8000	6300.0	80	10735	No
20	GOM_NL__2PRFIN20040320_012642_000000472025_00160_10735_0716.N1	20-MAR-2004 01:26:42	Bright	47.000	55	79Zet UMa	2.0600	10200.	94	10735	No
21	GOM_NL__2PRFIN20040320_013126_000000402025_00160_10735_0717.N1	20-MAR-2004 01:31:26	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	10735	No
22	GOM_NL__2PRFIN20040320_013514_000000472025_00160_10735_0718.N1	20-MAR-2004 01:35:14	Bright	46.500	119	14Eta Dra	2.7270	4700.0	93	10735	No
23	GOM_NL__2PRFIN20040320_013910_000000402025_00160_10735_0719.N1	20-MAR-2004 01:39:10	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	10735	No
24	GOM_NL__2PRFIN20040320_014124_000000522025_00160_10735_0720.N1	20-MAR-2004 01:41:24	Bright	51.500	69	33Gam Dra	2.2310	3800.0	103	10735	No
25	GOM_NL__2PRFIN20040320_014504_000000392025_00160_10735_0721.N1	20-MAR-2004 01:45:04	Bright	39.000	19	50Alp Cyg	1.2460	10500.	78	10735	No
26	GOM_NL__2PRFIN20040320_014639_000000422025_00160_10735_0722.N1	20-MAR-2004 01:46:39	Bright	41.500	66	37Gam Cyg	2.2080	5900.0	83	10735	No
27	GOM_NL__2PRFIN20040320_014826_000000412025_00160_10735_0723.N1	20-MAR-2004 01:48:26	Bright	40.500	92	53Eps Cyg	2.5000	4500.0	81	10735	No
28	GOM_NL__2PRFIN20040320_015706_000000562025_00160_10735_0724.N1	20-MAR-2004 01:57:06	Twilight_stray	56.000	11	53Alp Aql	0.76500	8000.0	112	10735	No
29	GOM_NL__2PRFIN20040320_020947_000000492025_00160_10735_0725.N1	20-MAR-2004 02:09:47	Dark	48.500	57	34Sig Sgr	2.0660	26000.	97	10735	No
30	GOM_NL__2PRFIN20040320_021123_000000622025_00160_10735_0726.N1	20-MAR-2004 02:11:23	Dark	61.500	137	22Lam Sgr	2.8240	4400.0	123	10735	No
31	GOM_NL__2PRFIN20040320_021320_000000522025_00160_10735_0727.N1	20-MAR-2004 02:13:20	Dark	52.000	38	20Eps Sgr	1.8360	11000.	104	10735	No
32	GOM_NL__2PRFIN20040320_021859_000000472025_00161_10736_0698.N1	20-MAR-2004 02:18:59	Dark	47.000	141	Bet Ara	2.8400	4600.0	94	10736	No
33	GOM_NL__2PRFIN20040320_022102_000000422025_00161_10736_0699.N1	20-MAR-2004 02:21:02	Dark	41.500	43	Alp TrA	1.9100	4250.0	83	10736	No
34	GOM_NL__2PRFIN20040320_022236_000000412025_00161_10736_0700.N1	20-MAR-2004 02:22:36	Dark	40.500	134	Bet TrA	2.8100	6600.0	81	10736	No
35	GOM_NL__2PRFIN20040320_022518_000000572025_00161_10736_0701.N1	20-MAR-2004 02:25:18	Dark	57.000	4	Alp1Cen	-0.010000	5800.0	114	10736	No
36	GOM_NL__2PRFIN20040320_022639_000000422025_00161_10736_0702.N1	20-MAR-2004 02:26:39	Dark	41.500	112	Alp Mus	2.6880	26000.	83	10736	No
37	GOM_NL__2PRFIN20040320_022812_000000532025_00161_10736_0703.N1	20-MAR-2004 02:28:12	Dark	53.000	12	Alp1Cru	0.77500	30000.	106	10736	No
38	GOM_NL__2PRFIN20040320_022933_000000492025_00161_10736_0704.N1	20-MAR-2004 02:29:33	Straylight	49.000	26	Gam Cru	1.6240	2900.0	98	10736	No
39	GOM_NL__2PRFIN20040320_023205_000000612025_00161_10736_0705.N1	20-MAR-2004 02:32:05	Straylight	61.000	54	5The Cen	2.0550	4500.0	122	10736	No
40	GOM_NL__2PRFIN20040320_023342_000000492025_00161_10736_0706.N1	20-MAR-2004 02:33:42	Straylight	48.500	123	lot Cen	2.7500	10200.	97	10736	No
41	GOM_NL__2PRFIN20040320_023911_000000542025_00161_10736_0707.N1	20-MAR-2004 02:39:11	Straylight	54.000	106	9Bet Crv	2.6480	5600.0	108	10736	No
42	GOM_NL__2PRFIN20040320_024124_000000492025_00161_10736_0708.N1	20-MAR-2004 02:41:24	Twilight_stray	49.000	100	4Gam Crv	2.5800	13100.	98	10736	No

397	GOM_NL__2PRFIN20040320_215216_000000412025_00172_10747_0740.N1	20-MAR-2004 21:52:16	Bright	40.500	19	50Alp Cyg	1.2460	10500.	81	10747	No
398	GOM_NL__2PRFIN20040320_215350_000000432025_00172_10747_0741.N1	20-MAR-2004 21:53:50	Bright	42.500	66	37Gam Cyg	2.2080	5900.0	85	10747	No
399	GOM_NL__2PRFIN20040320_215538_000000402025_00172_10747_0742.N1	20-MAR-2004 21:55:38	Bright	40.000	92	53Eps Cyg	2.5000	4500.0	80	10747	No
400	GOM_NL__2PRFIN20040320_220424_000000572025_00172_10747_0743.N1	20-MAR-2004 22:04:24	Twilight	57.000	11	53Alp Aql	0.76500	8000.0	114	10747	No
401	GOM_NL__2PRFIN20040320_221504_000000492025_00172_10747_0744.N1	20-MAR-2004 22:15:04	Dark	49.000	155	41Pi Sgr	2.9000	6600.0	98	10747	No
402	GOM_NL__2PRFIN20040320_221850_000000572025_00172_10747_0745.N1	20-MAR-2004 22:18:50	Dark	57.000	137	22Lam Sgr	2.8240	4400.0	114	10747	No
403	GOM_NL__2PRFIN20040320_222043_000000512025_00172_10747_0746.N1	20-MAR-2004 22:20:43	Dark	51.000	38	20Eps Sgr	1.8360	11000.	102	10747	No
404	GOM_NL__2PRFIN20040320_222621_000000422025_00173_10748_0718.N1	20-MAR-2004 22:26:21	Dark	41.500	141	Bet Ara	2.8400	4600.0	83	10748	No
405	GOM_NL__2PRFIN20040320_222819_000000522025_00173_10748_0719.N1	20-MAR-2004 22:28:19	Dark	51.500	43	Alp TrA	1.9100	4250.0	103	10748	No
406	GOM_NL__2PRFIN20040320_222954_000000412025_00173_10748_0720.N1	20-MAR-2004 22:29:54	Dark	40.500	134	Bet TrA	2.8100	6600.0	81	10748	No
407	GOM_NL__2PRFIN20040320_223237_000000502025_00173_10748_0721.N1	20-MAR-2004 22:32:37	Dark	50.000	4	Alp1Cen	-0.010000	5800.0	100	10748	No
408	GOM_NL__2PRFIN20040320_223529_000000482025_00173_10748_0722.N1	20-MAR-2004 22:35:29	Straylight	48.000	12	Alp1Cru	0.77500	30000.	96	10748	No
409	GOM_NL__2PRFIN20040320_223649_000000542025_00173_10748_0723.N1	20-MAR-2004 22:36:49	Straylight	54.000	26	Gam Cru	1.6240	2900.0	108	10748	No
410	GOM_NL__2PRFIN20040320_223924_000000602025_00173_10748_0724.N1	20-MAR-2004 22:39:24	Straylight	60.000	54	5The Cen	2.0550	4500.0	120	10748	No
411	GOM_NL__2PRFIN20040320_224546_000000612025_00173_10748_0725.N1	20-MAR-2004 22:45:46	Straylight	60.500	169	46Gam Hya	2.9910	4700.0	121	10748	No
412	GOM_NL__2PRFIN20040320_224836_000000512025_00173_10748_0726.N1	20-MAR-2004 22:48:36	Twilight	50.500	100	4Gam Crv	2.5800	13100.	101	10748	No
413	GOM_NL__2PRFIN20040320_225100_000000782025_00173_10748_0727.N1	20-MAR-2004 22:51:00	Bright	77.500	15	67Alp Vir	0.97600	28000.	155	10748	No
414	GOM_NL__2PRFIN20040320_225433_000000552025_00173_10748_0728.N1	20-MAR-2004 22:54:33	Bright	55.000	121	29Gam Vir	2.7400	7200.0	110	10748	No
415	GOM_NL__2PRFIN20040320_225755_000000382025_00173_10748_0729.N1	20-MAR-2004 22:57:55	Bright	38.000	22	32Alp Leo	1.3600	15200.	76	10748	No
416	GOM_NL__2PRFIN20040320_230004_000000372025_00173_10748_0730.N1	20-MAR-2004 23:00:04	Bright	36.500	51	41Gam1Leo	2.0100	4500.0	73	10748	No
417	GOM_NL__2PRFIN20040320_230121_000000372025_00173_10748_0731.N1	20-MAR-2004 23:01:21	Bright	36.500	166	17Eps Leo	2.9800	6000.0	73	10748	No
418	GOM_NL__2PRFIN20040320_230728_000000402025_00173_10748_0732.N1	20-MAR-2004 23:07:28	Bright	39.500	174	52Psi UMa	3.0040	4400.0	79	10748	No
419	GOM_NL__2PRFIN20040320_231044_000000382025_00173_10748_0733.N1	20-MAR-2004 23:10:44	Bright	37.500	82	48Bet UMa	2.3650	10600.	75	10748	No
420	GOM_NL__2PRFIN20040320_231215_000000382025_00173_10748_0734.N1	20-MAR-2004 23:12:15	Bright	37.500	36	50Alp UMa	1.8000	6300.0	75	10748	No
421	GOM_NL__2PRFIN20040320_231419_000000482025_00173_10748_0735.N1	20-MAR-2004 23:14:19	Bright	47.500	55	79Zet UMa	2.0600	10200.	95	10748	No
422	GOM_NL__2PRFIN20040320_231908_000000412025_00173_10748_0736.N1	20-MAR-2004 23:19:08	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	10748	No
423	GOM_NL__2PRFIN20040320_232253_000000512025_00173_10748_0737.N1	20-MAR-2004 23:22:53	Bright	51.000	119	14Eta Dra	2.7270	4700.0	102	10748	No
424	GOM_NL__2PRFIN20040320_232704_000000352025_00173_10748_0738.N1	20-MAR-2004 23:27:04	Bright	35.000	74	11Bet Cas	2.2680	6600.0	70	10748	No
425	GOM_NL__2PRFIN20040320_232904_000000562025_00173_10748_0739.N1	20-MAR-2004 23:29:04	Bright	56.000	69	33Gam Dra	2.2310	3800.0	112	10748	No
426	GOM_NL__2PRFIN20040320_233252_000000402025_00173_10748_0740.N1	20-MAR-2004 23:32:52	Bright	40.000	19	50Alp Cyg	1.2460	10500.	80	10748	No
427	GOM_NL__2PRFIN20040320_233427_000000412025_00173_10748_0741.N1	20-MAR-2004 23:34:27	Bright	40.500	66	37Gam Cyg	2.2080	5900.0	81	10748	No
428	GOM_NL__2PRFIN20040320_233614_000000402025_00173_10748_0742.N1	20-MAR-2004 23:36:14	Bright	39.500	92	53Eps Cyg	2.5000	4500.0	79	10748	No
429	GOM_NL__2PRFIN20040320_234500_000000552025_00173_10748_0743.N1	20-MAR-2004 23:45:00	Twilight	55.000	11	53Alp Aql	0.76500	8000.0	110	10748	No
430	GOM_NL__2PRFIN20040320_235541_000000502025_00173_10748_0744.N1	20-MAR-2004 23:55:41	Dark	49.500	155	41Pi Sgr	2.9000	6600.0	99	10748	No
431	GOM_NL__2PRFIN20040320_235747_000000532025_00173_10748_0745.N1	20-MAR-2004 23:57:47	Dark	52.500	57	34Sig Sgr	2.0660	26000.	105	10748	No
432	GOM_NL__2PRFIN20040320_235927_000000722025_00173_10748_0746.N1	20-MAR-2004 23:59:27	Dark	72.000	137	22Lam Sgr	2.8240	4400.0	144	10748	No

3. Quality information per product

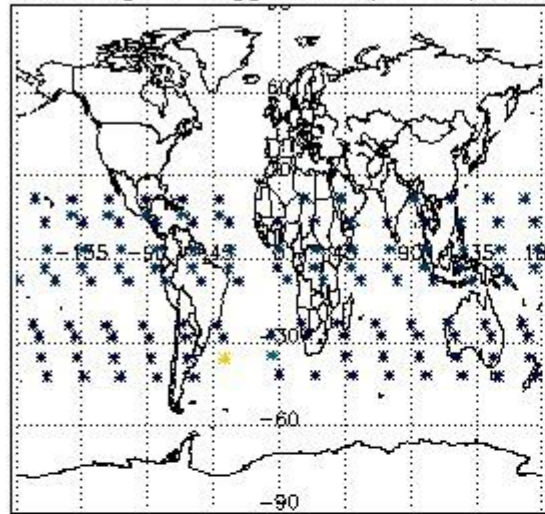
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

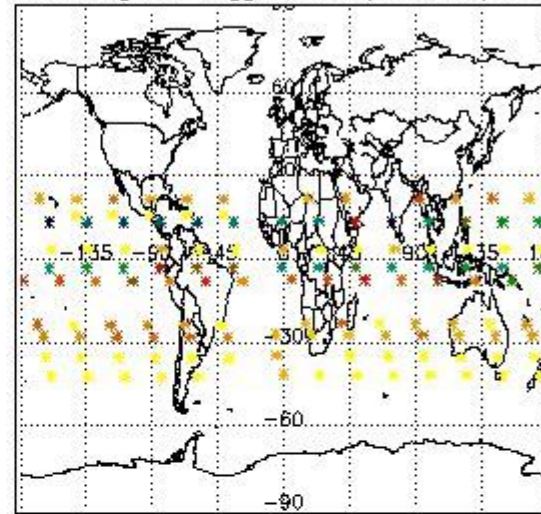


3.2 Plot quality information per product (world map)

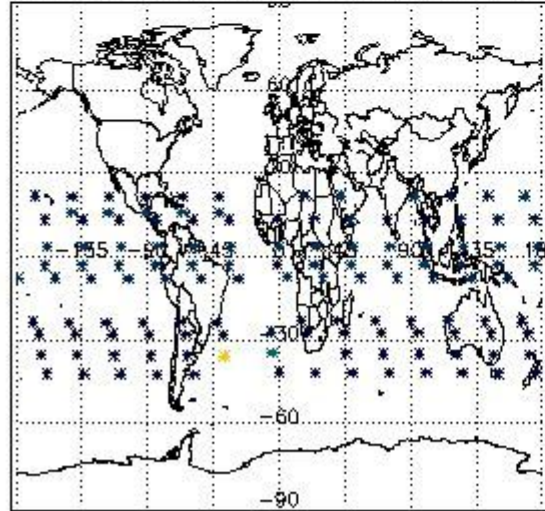
Percentage of flagged data per O3 profile



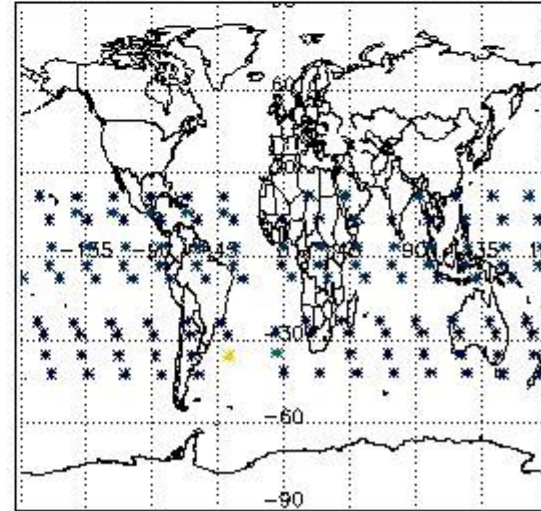
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

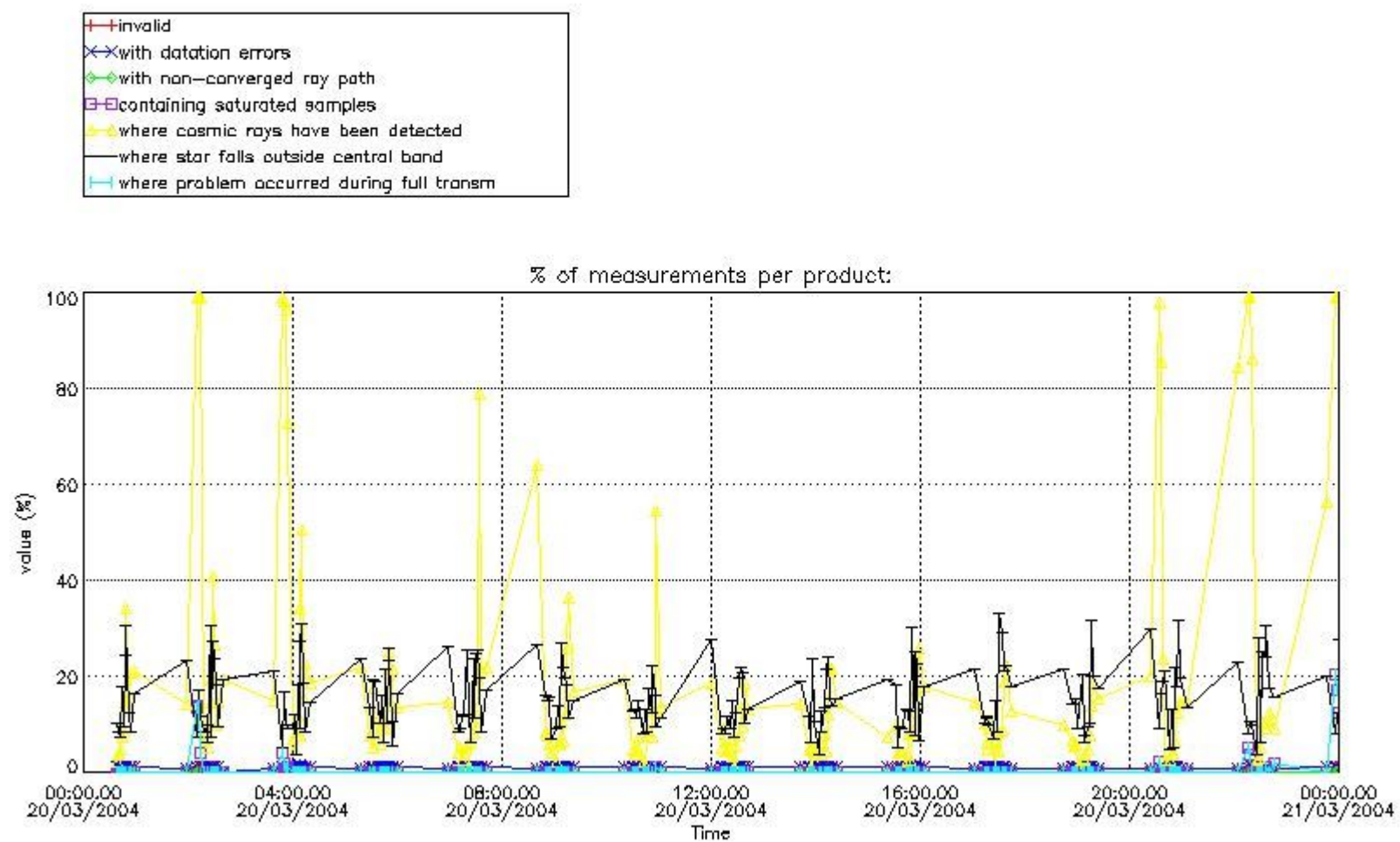


4. Level 1 quality information per product

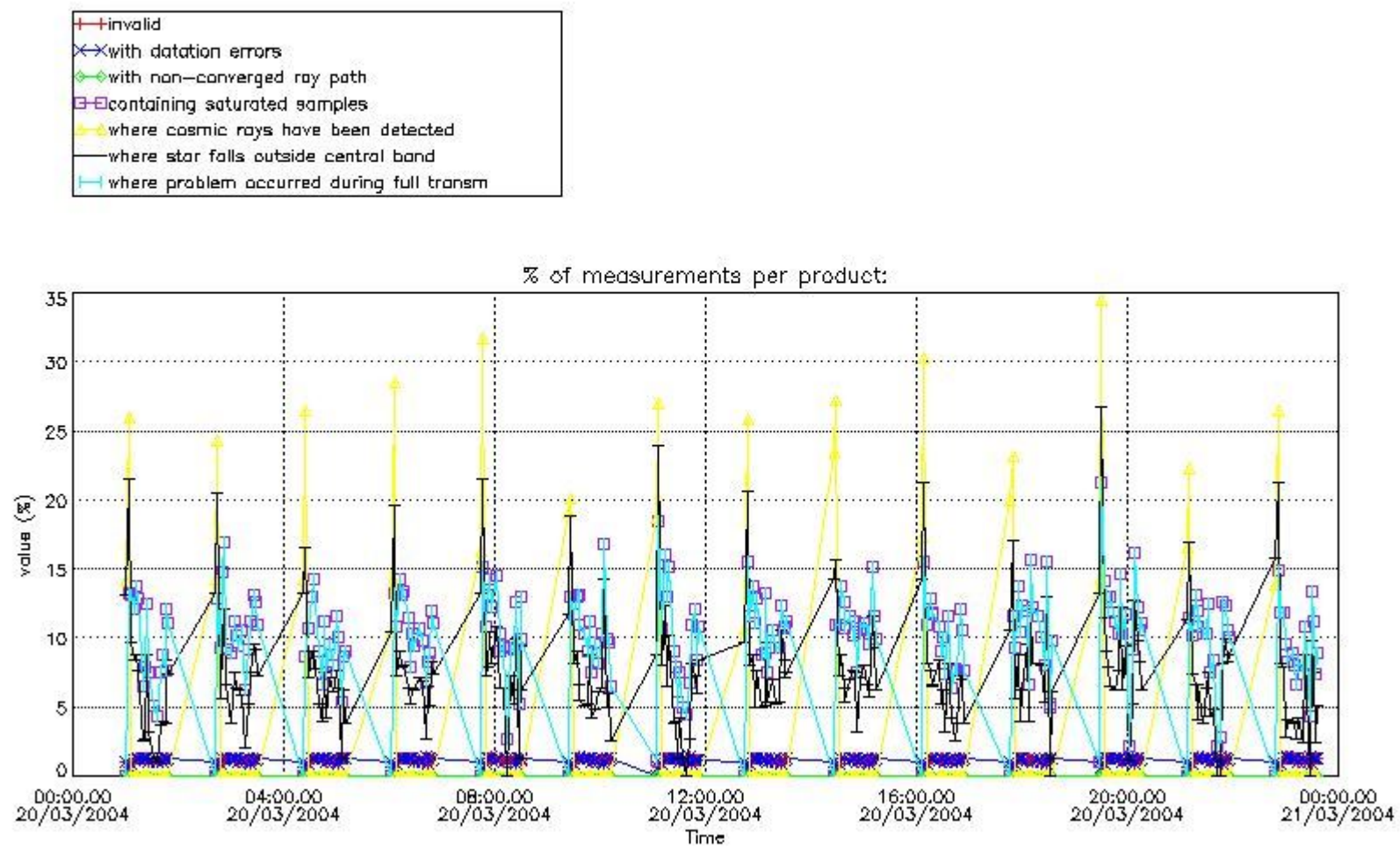
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

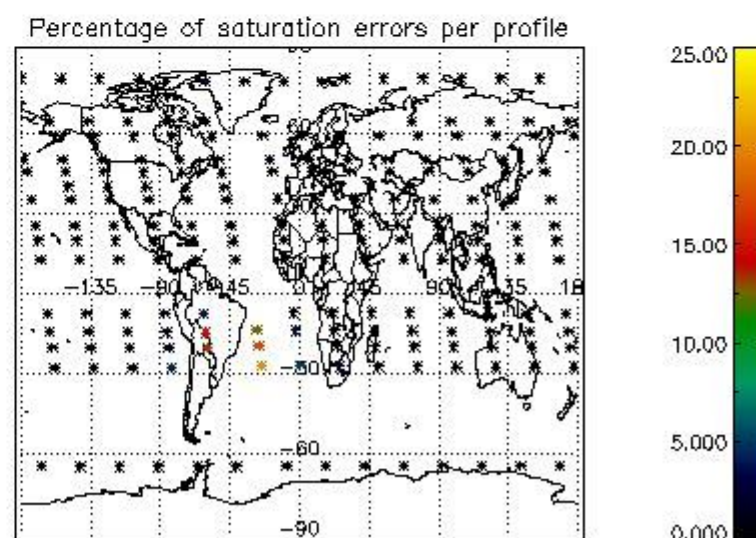
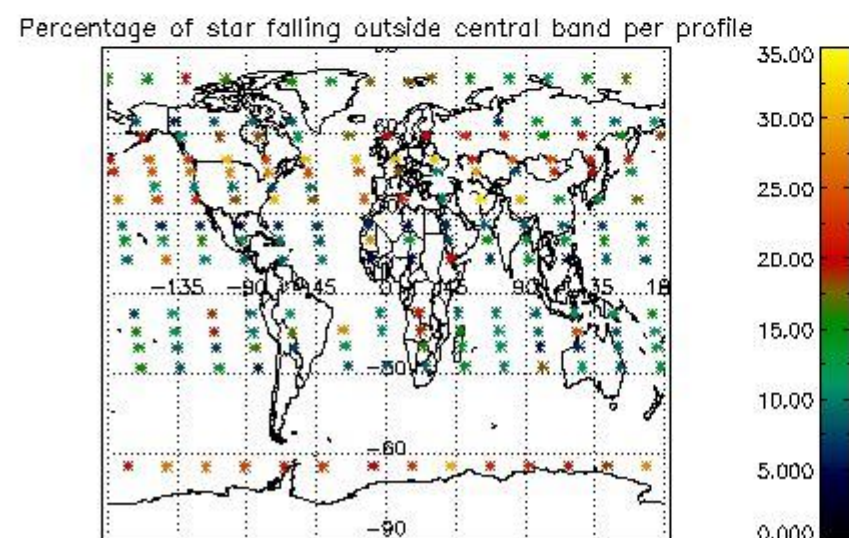
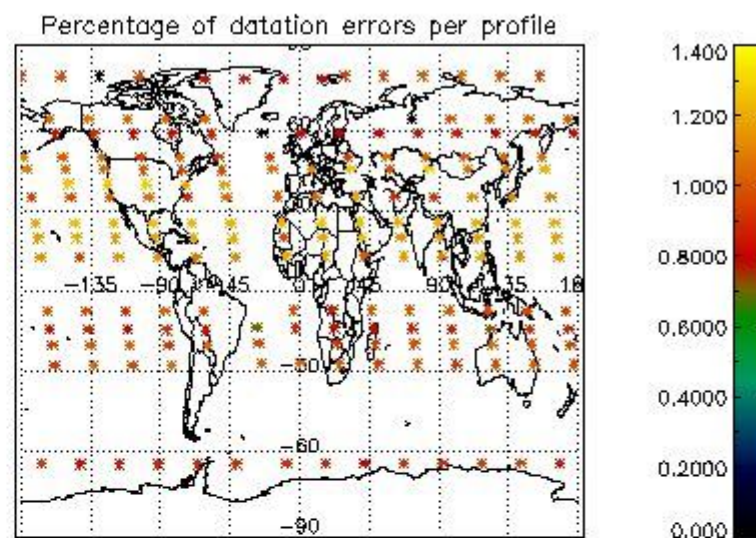
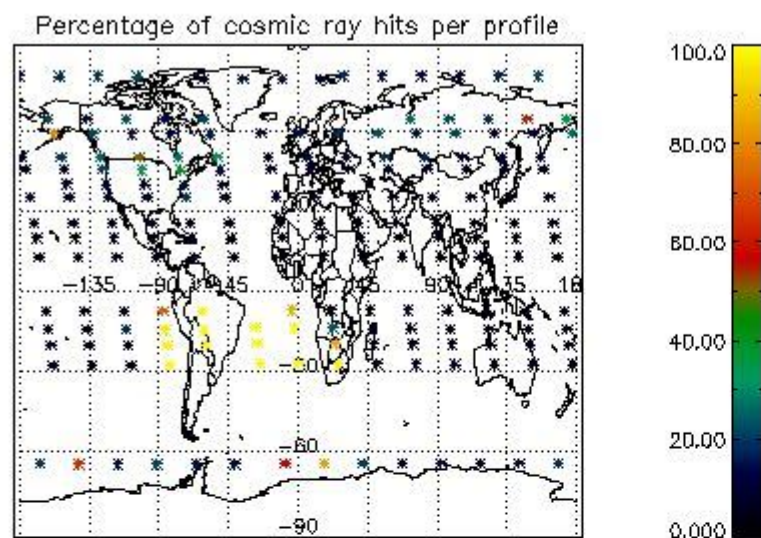


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

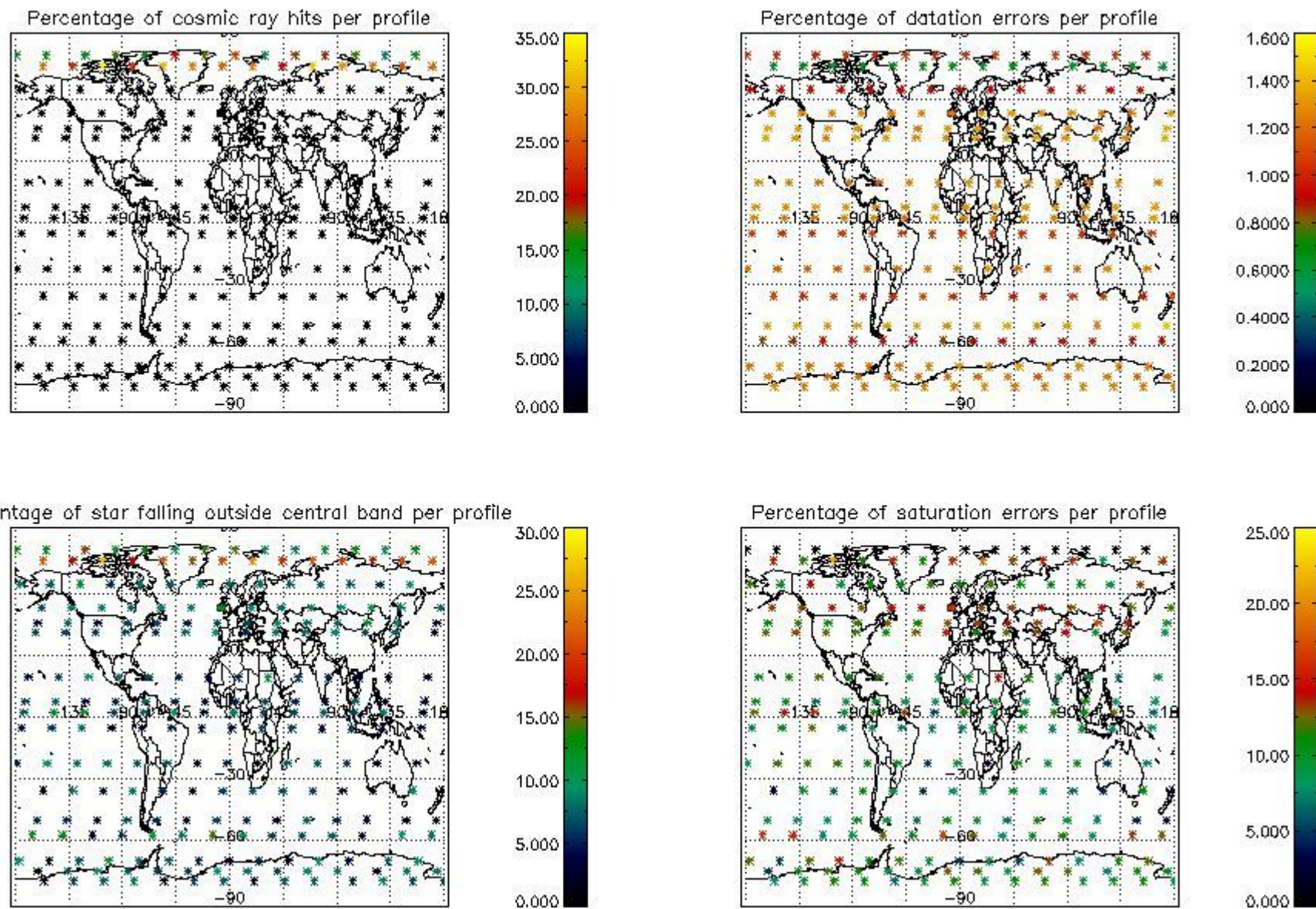


4.2 Plot quality information per product coming from level 1b processing (world map)

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

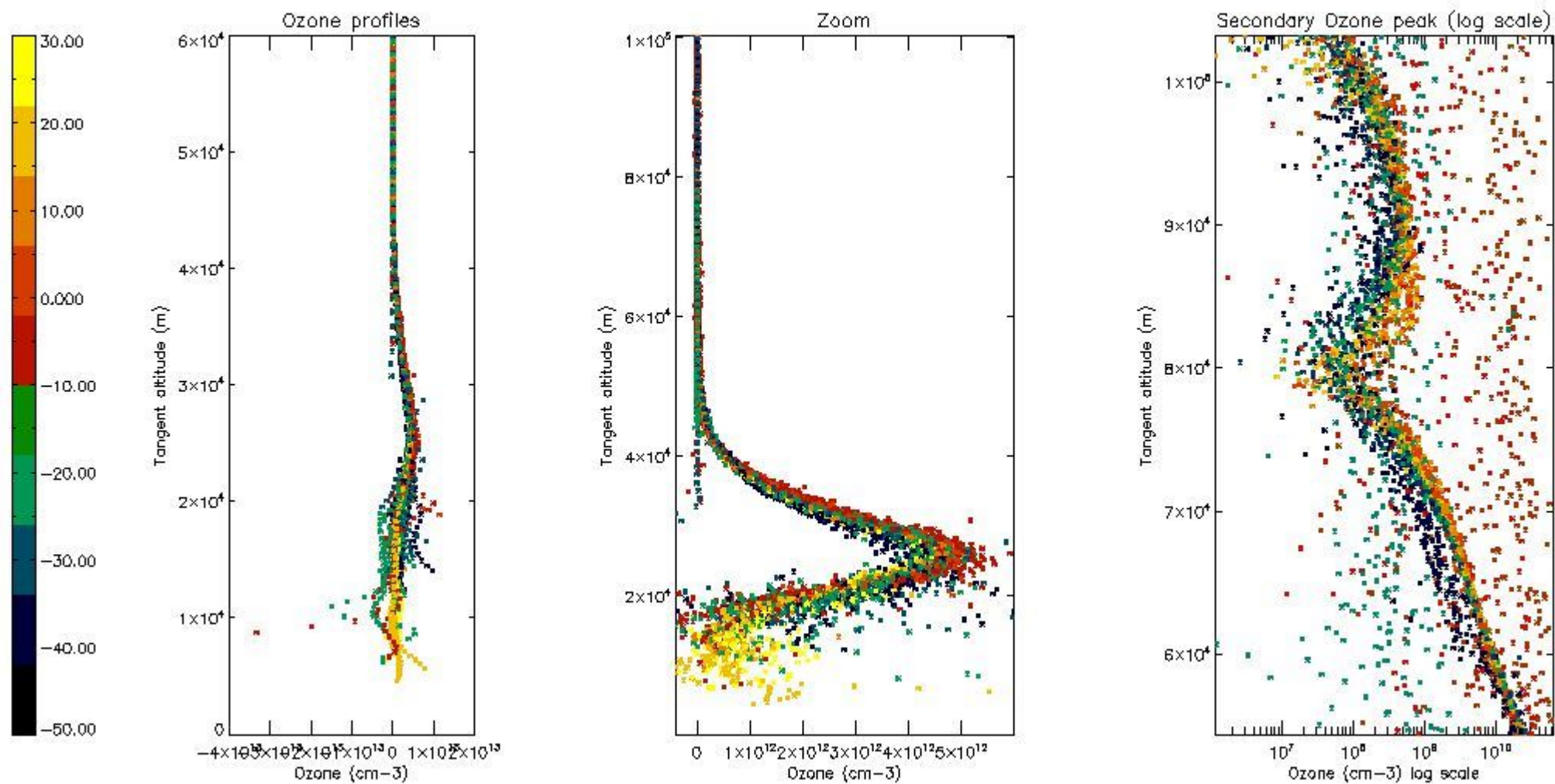
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	30
STD < 20	15

STD < 10	12
STD < 5	7

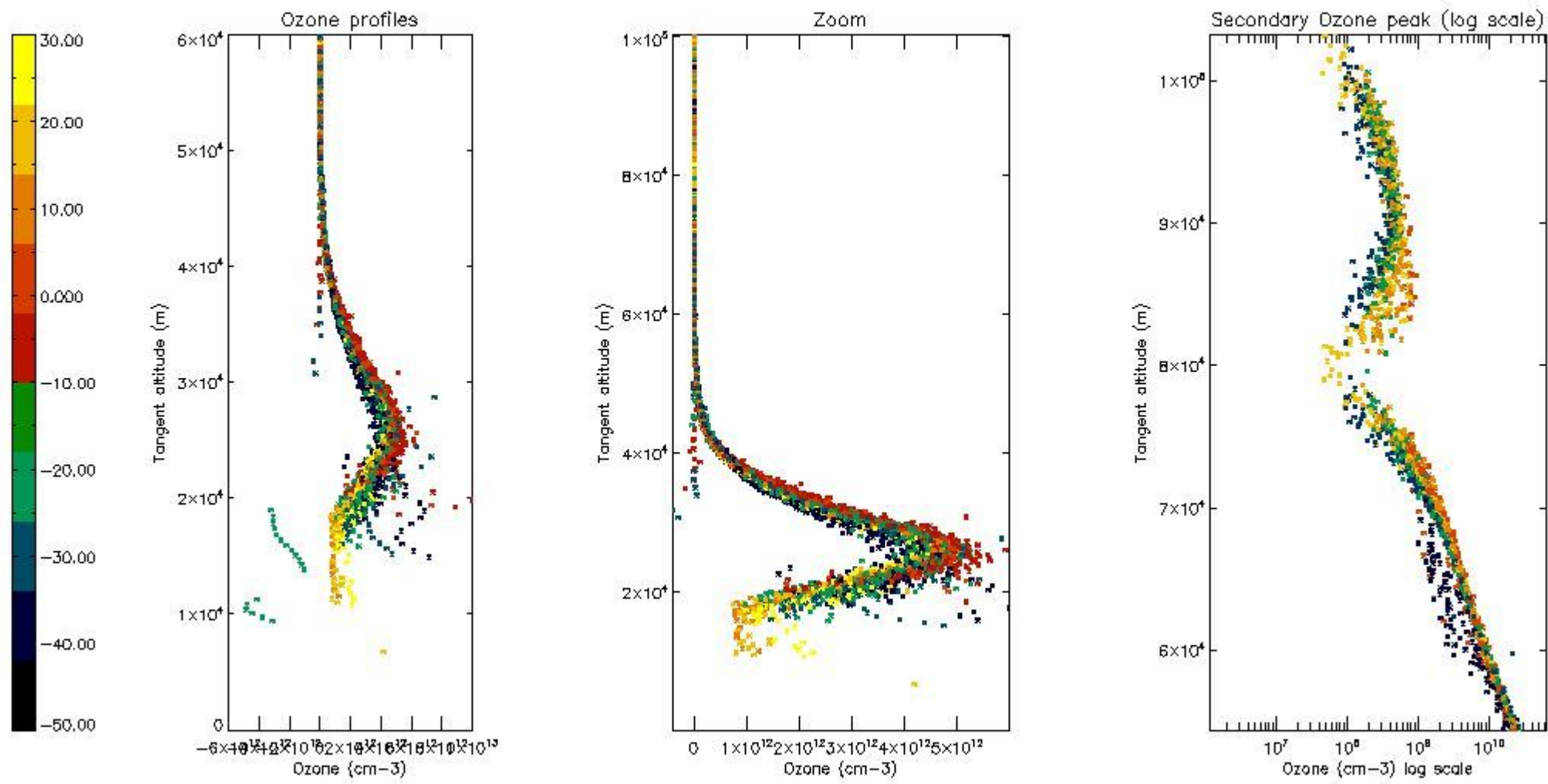
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



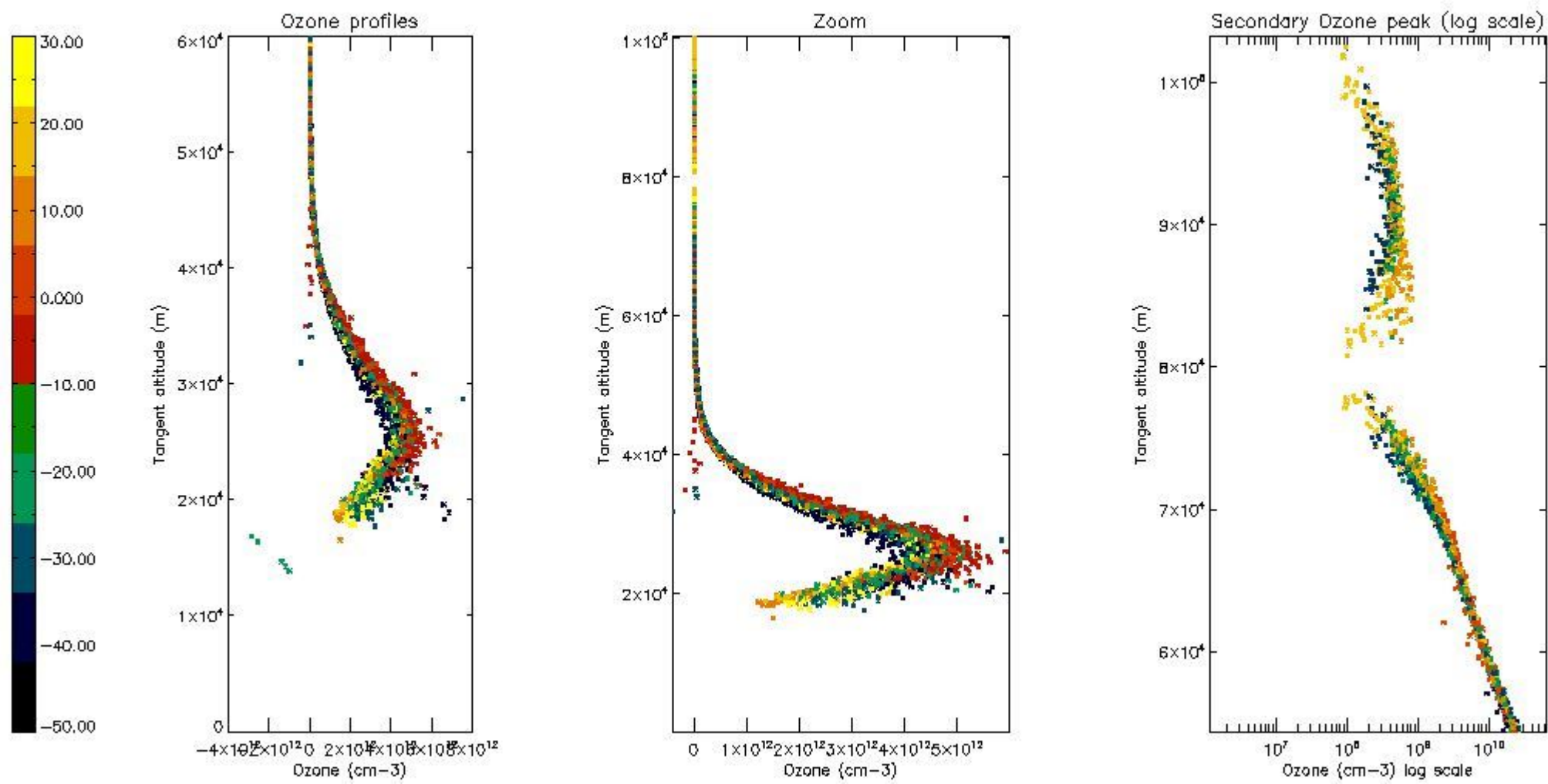
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



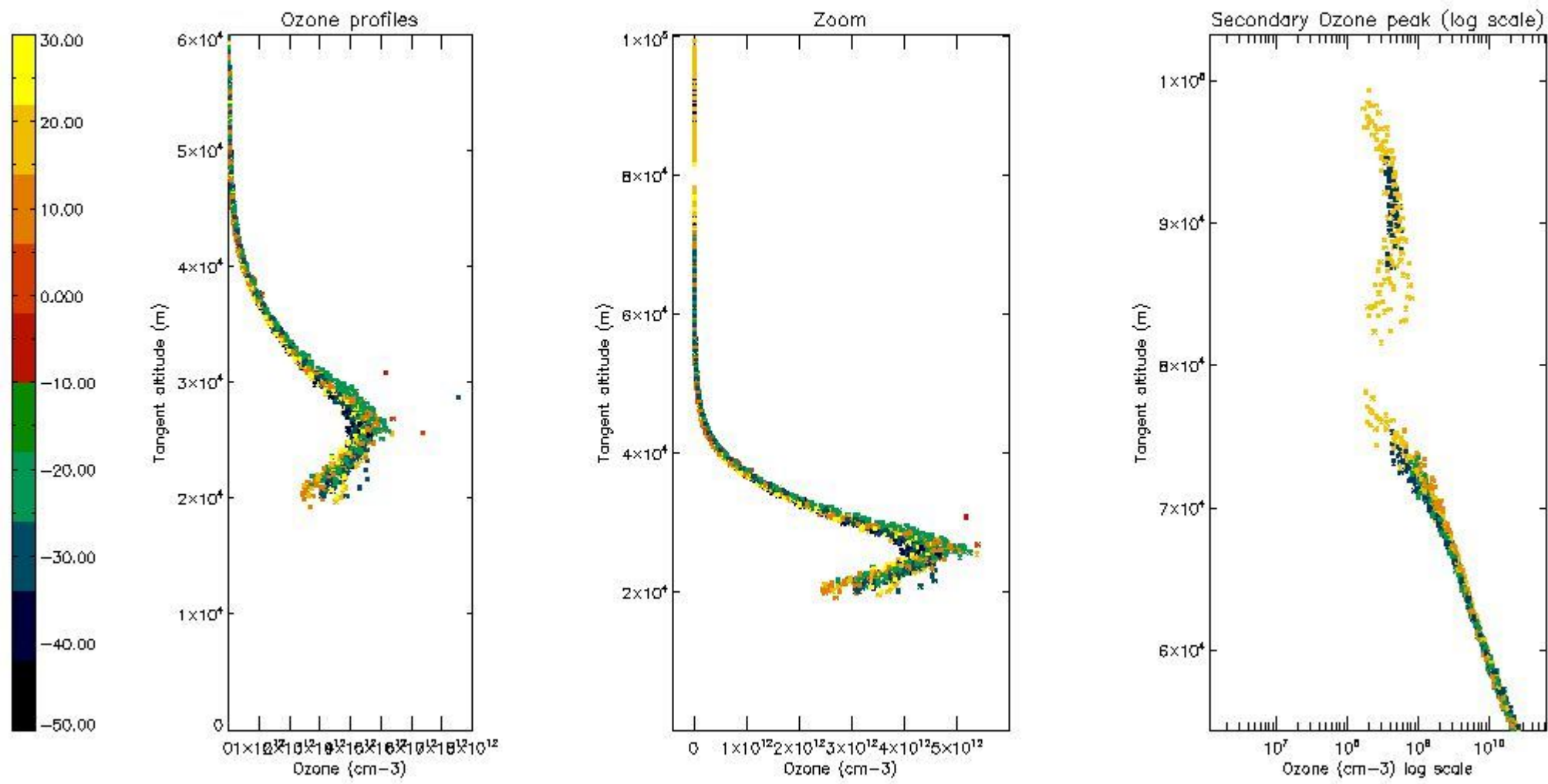
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



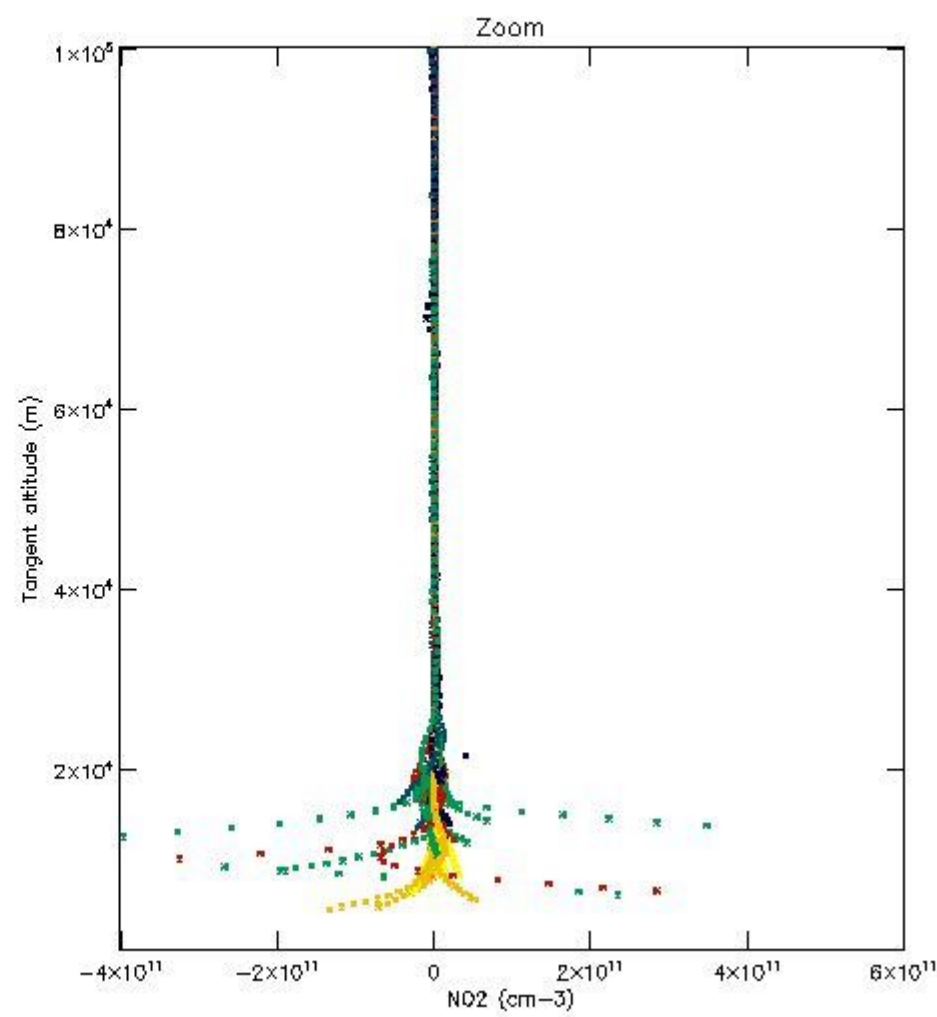
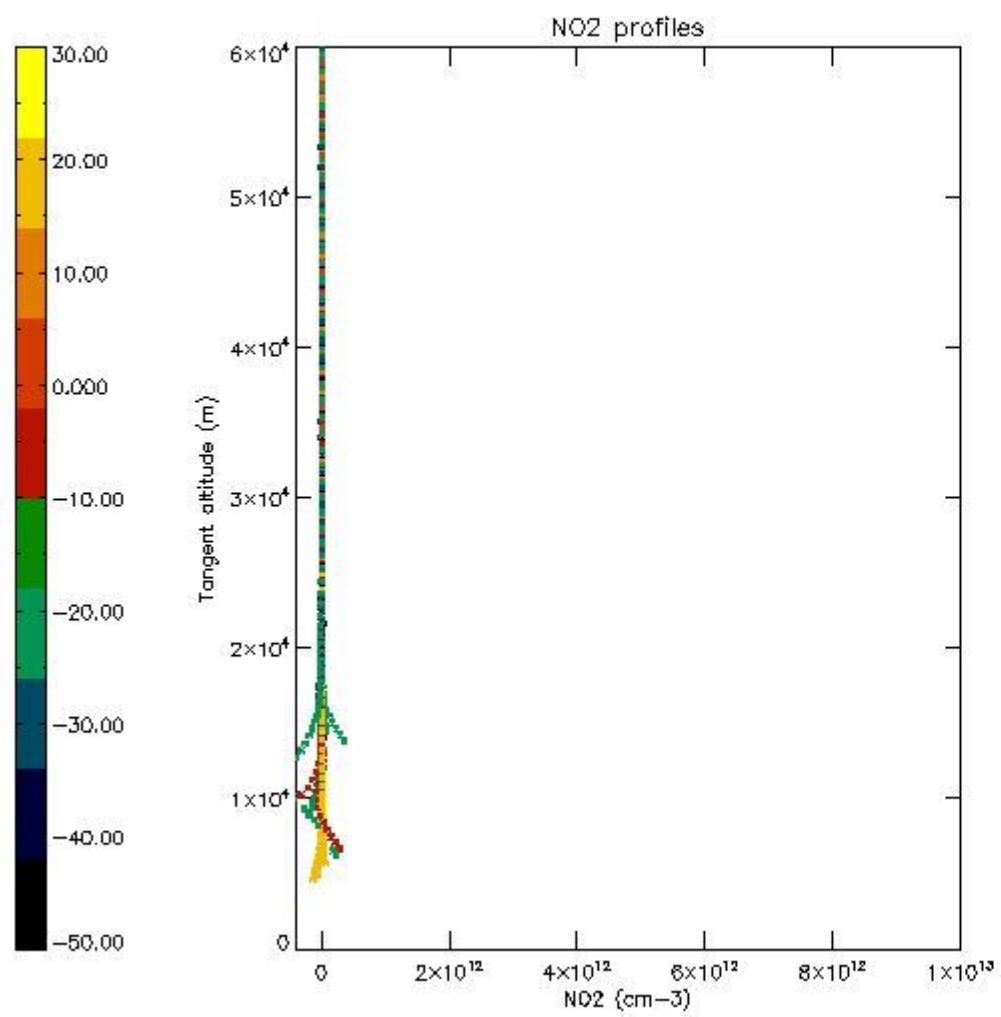
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



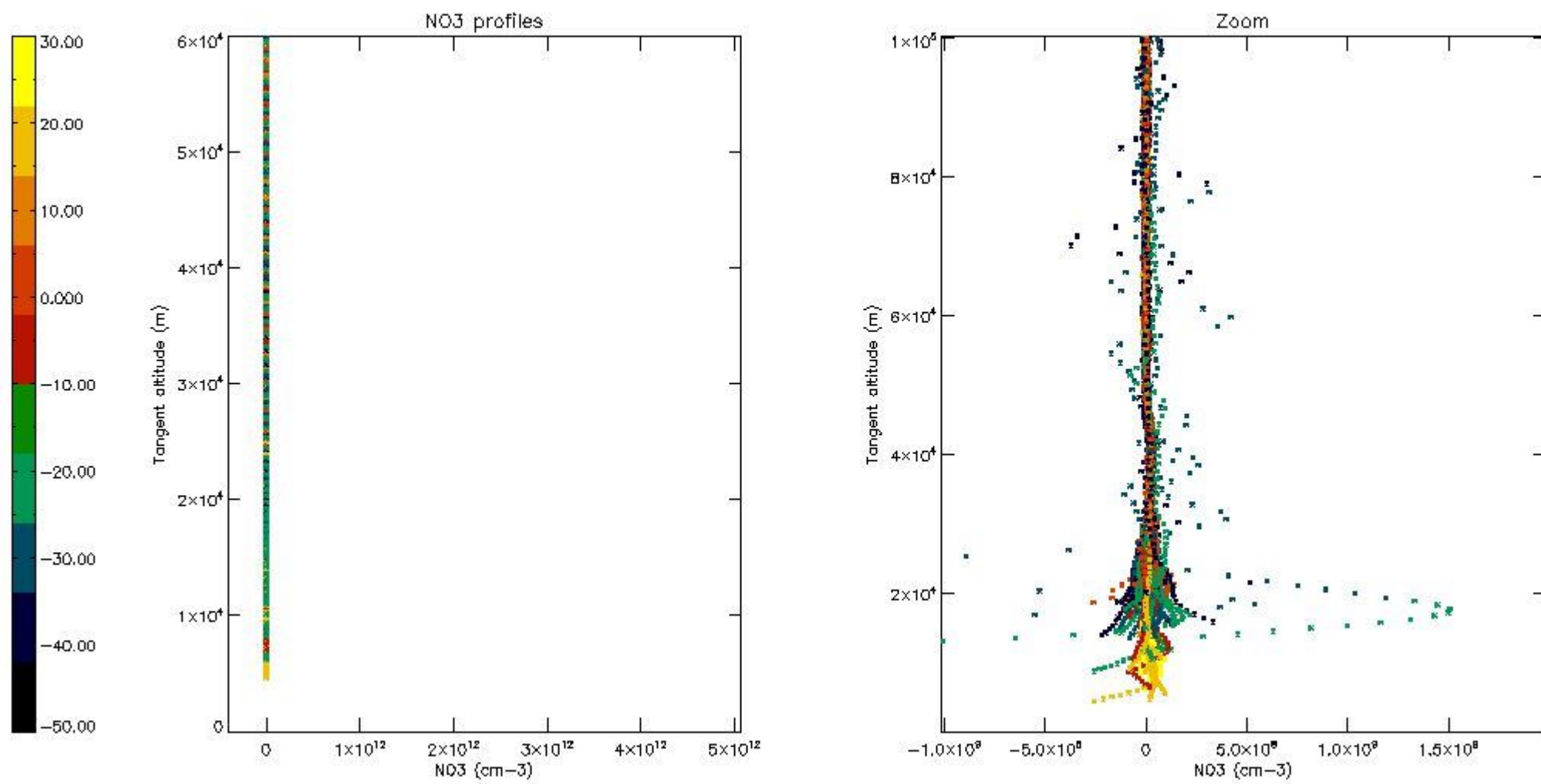
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



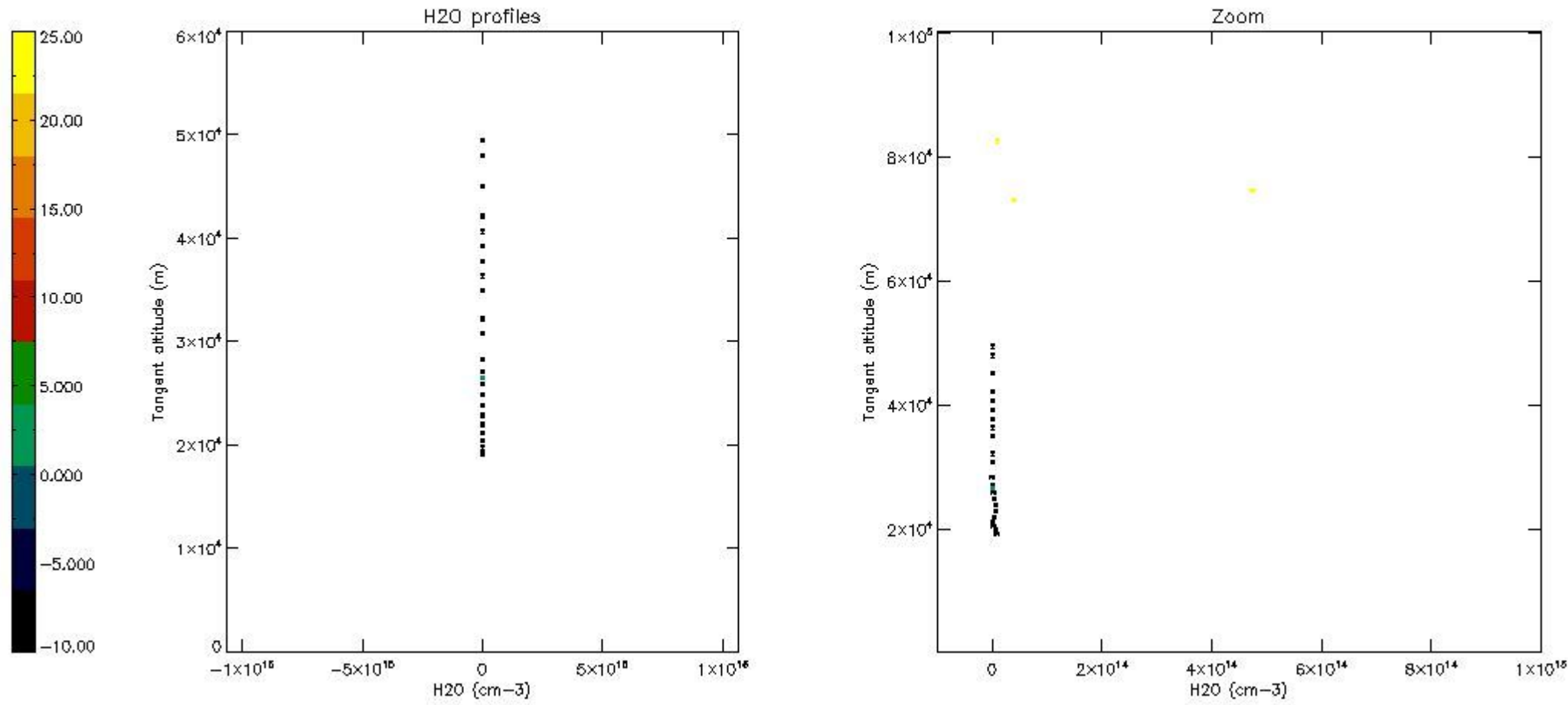
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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	20-MAR-2004 00:38:24
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	20-MAR-2004 00:38:24
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	20-MAR-2004 00:38:24

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 21:56:42
Data source version	GOMOS/6.01
Start time of products	20-03-2004 (20MAR2004 00:00:00)
Stop time of products	21-03-2004 (21MAR2004 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	432
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

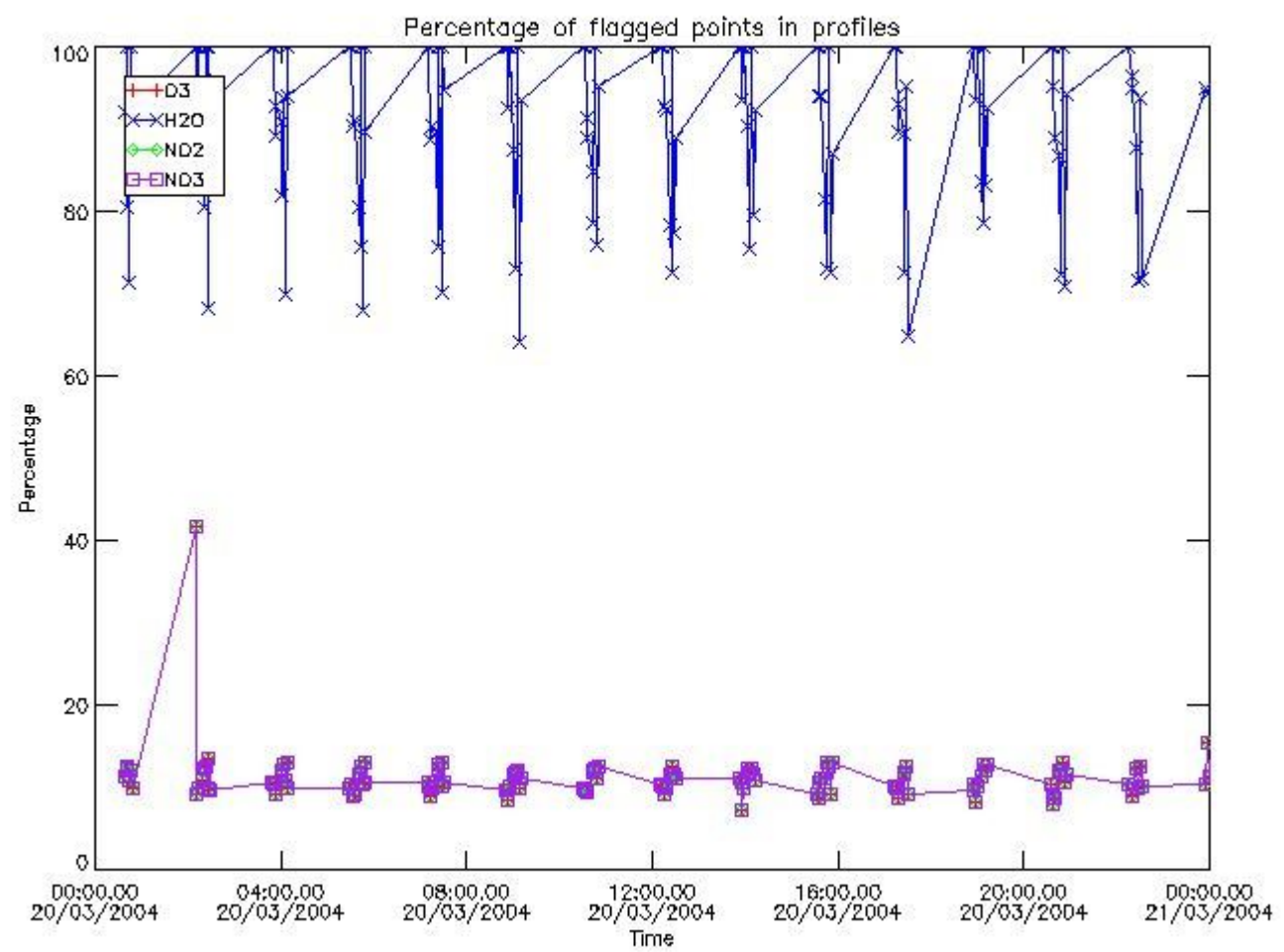
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20040320_003824_000000452025_00160_10735_0697.N1	20-MAR-2004 00:38:24	Dark	45.000	141	Bet Ara	2.8400	4600.0	90	10735	No
2	GOM_NL__2PRFIN20040320_004025_000000422025_00160_10735_0698.N1	20-MAR-2004 00:40:25	Dark	41.500	43	Alp TrA	1.9100	4250.0	83	10735	No
3	GOM_NL__2PRFIN20040320_004158_000000412025_00160_10735_0699.N1	20-MAR-2004 00:41:58	Dark	41.000	134	Bet TrA	2.8100	6600.0	82	10735	No
4	GOM_NL__2PRFIN20040320_004441_000000482025_00160_10735_0700.N1	20-MAR-2004 00:44:41	Dark	47.500	4	Alp1Cen	-0.010000	5800.0	95	10735	No
5	GOM_NL__2PRFIN20040320_004603_000000432025_00160_10735_0701.N1	20-MAR-2004 00:46:03	Dark	42.500	112	Alp Mus	2.6880	26000.	85	10735	No
6	GOM_NL__2PRFIN20040320_004735_000000522025_00160_10735_0702.N1	20-MAR-2004 00:47:35	Dark	51.500	12	Alp1Cru	0.77500	30000.	103	10735	No
7	GOM_NL__2PRFIN20040320_004857_000000542025_00160_10735_0703.N1	20-MAR-2004 00:48:57	Straylight	54.000	26	Gam Cru	1.6240	2900.0	108	10735	No
8	GOM_NL__2PRFIN20040320_005127_000000572025_00160_10735_0704.N1	20-MAR-2004 00:51:27	Straylight	57.000	54	5The Cen	2.0550	4500.0	114	10735	No
9	GOM_NL__2PRFIN20040320_005305_000000492025_00160_10735_0705.N1	20-MAR-2004 00:53:05	Straylight	48.500	123	lot Cen	2.7500	10200.	97	10735	No
10	GOM_NL__2PRFIN20040320_005835_000000522025_00160_10735_0706.N1	20-MAR-2004 00:58:35	Straylight	52.000	106	9Bet Crv	2.6480	5600.0	104	10735	No
11	GOM_NL__2PRFIN20040320_010047_000000502025_00160_10735_0707.N1	20-MAR-2004 01:00:47	Twilight_stray	49.500	100	4Gam Crv	2.5800	13100.	99	10735	No
12	GOM_NL__2PRFIN20040320_010314_000000792025_00160_10735_0708.N1	20-MAR-2004 01:03:14	Bright	79.000	15	67Alp Vir	0.97600	28000.	158	10735	No
13	GOM_NL__2PRFIN20040320_010650_000000572025_00160_10735_0709.N1	20-MAR-2004 01:06:50	Bright	57.000	121	29Gam Vir	2.7400	7200.0	114	10735	No
14	GOM_NL__2PRFIN20040320_011003_000000422025_00160_10735_0710.N1	20-MAR-2004 01:10:03	Bright	41.500	22	32Alp Leo	1.3600	15200.	83	10735	No
15	GOM_NL__2PRFIN20040320_011216_000000402025_00160_10735_0711.N1	20-MAR-2004 01:12:16	Bright	40.000	51	41Gam1Leo	2.0100	4500.0	80	10735	No
16	GOM_NL__2PRFIN20040320_011331_000000392025_00160_10735_0712.N1	20-MAR-2004 01:13:31	Bright	39.000	166	17Eps Leo	2.9800	6000.0	78	10735	No
17	GOM_NL__2PRFIN20040320_011945_000000392025_00160_10735_0713.N1	20-MAR-2004 01:19:45	Bright	38.500	174	52Psi UMa	3.0040	4400.0	77	10735	No
18	GOM_NL__2PRFIN20040320_012259_000000382025_00160_10735_0714.N1	20-MAR-2004 01:22:59	Bright	38.000	82	48Bet UMa	2.3650	10600.	76	10735	No
19	GOM_NL__2PRFIN20040320_012430_000000402025_00160_10735_0715.N1	20-MAR-2004 01:24:30	Bright	40.000	36	50Alp UMa	1.8000	6300.0	80	10735	No
20	GOM_NL__2PRFIN20040320_012642_000000472025_00160_10735_0716.N1	20-MAR-2004 01:26:42	Bright	47.000	55	79Zet UMa	2.0600	10200.	94	10735	No
21	GOM_NL__2PRFIN20040320_013126_000000402025_00160_10735_0717.N1	20-MAR-2004 01:31:26	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	10735	No
22	GOM_NL__2PRFIN20040320_013514_000000472025_00160_10735_0718.N1	20-MAR-2004 01:35:14	Bright	46.500	119	14Eta Dra	2.7270	4700.0	93	10735	No
23	GOM_NL__2PRFIN20040320_013910_000000402025_00160_10735_0719.N1	20-MAR-2004 01:39:10	Bright	40.000	74	11Bet Cas	2.2680	6600.0	80	10735	No
24	GOM_NL__2PRFIN20040320_014124_000000522025_00160_10735_0720.N1	20-MAR-2004 01:41:24	Bright	51.500	69	33Gam Dra	2.2310	3800.0	103	10735	No
25	GOM_NL__2PRFIN20040320_014504_000000392025_00160_10735_0721.N1	20-MAR-2004 01:45:04	Bright	39.000	19	50Alp Cyg	1.2460	10500.	78	10735	No
26	GOM_NL__2PRFIN20040320_014639_000000422025_00160_10735_0722.N1	20-MAR-2004 01:46:39	Bright	41.500	66	37Gam Cyg	2.2080	5900.0	83	10735	No
27	GOM_NL__2PRFIN20040320_014826_000000412025_00160_10735_0723.N1	20-MAR-2004 01:48:26	Bright	40.500	92	53Eps Cyg	2.5000	4500.0	81	10735	No
28	GOM_NL__2PRFIN20040320_015706_000000562025_00160_10735_0724.N1	20-MAR-2004 01:57:06	Twilight_stray	56.000	11	53Alp Aql	0.76500	8000.0	112	10735	No
29	GOM_NL__2PRFIN20040320_020947_000000492025_00160_10735_0725.N1	20-MAR-2004 02:09:47	Dark	48.500	57	34Sig Sgr	2.0660	26000.	97	10735	No
30	GOM_NL__2PRFIN20040320_021123_000000622025_00160_10735_0726.N1	20-MAR-2004 02:11:23	Dark	61.500	137	22Lam Sgr	2.8240	4400.0	123	10735	No
31	GOM_NL__2PRFIN20040320_021320_000000522025_00160_10735_0727.N1	20-MAR-2004 02:13:20	Dark	52.000	38	20Eps Sgr	1.8360	11000.	104	10735	No
32	GOM_NL__2PRFIN20040320_021859_000000472025_00161_10736_0698.N1	20-MAR-2004 02:18:59	Dark	47.000	141	Bet Ara	2.8400	4600.0	94	10736	No
33	GOM_NL__2PRFIN20040320_022102_000000422025_00161_10736_0699.N1	20-MAR-2004 02:21:02	Dark	41.500	43	Alp TrA	1.9100	4250.0	83	10736	No
34	GOM_NL__2PRFIN20040320_022236_000000412025_00161_10736_0700.N1	20-MAR-2004 02:22:36	Dark	40.500	134	Bet TrA	2.8100	6600.0	81	10736	No
35	GOM_NL__2PRFIN20040320_022518_000000572025_00161_10736_0701.N1	20-MAR-2004 02:25:18	Dark	57.000	4	Alp1Cen	-0.010000	5800.0	114	10736	No
36	GOM_NL__2PRFIN20040320_022639_000000422025_00161_10736_0702.N1	20-MAR-2004 02:26:39	Dark	41.500	112	Alp Mus	2.6880	26000.	83	10736	No
37	GOM_NL__2PRFIN20040320_022812_000000532025_00161_10736_0703.N1	20-MAR-2004 02:28:12	Dark	53.000	12	Alp1Cru	0.77500	30000.	106	10736	No
38	GOM_NL__2PRFIN20040320_022933_000000492025_00161_10736_0704.N1	20-MAR-2004 02:29:33	Straylight	49.000	26	Gam Cru	1.6240	2900.0	98	10736	No
39	GOM_NL__2PRFIN20040320_023205_000000612025_00161_10736_0705.N1	20-MAR-2004 02:32:05	Straylight	61.000	54	5The Cen	2.0550	4500.0	122	10736	No
40	GOM_NL__2PRFIN20040320_023342_000000492025_00161_10736_0706.N1	20-MAR-2004 02:33:42	Straylight	48.500	123	lot Cen	2.7500	10200.	97	10736	No
41	GOM_NL__2PRFIN20040320_023911_000000542025_00161_10736_0707.N1	20-MAR-2004 02:39:11	Straylight	54.000	106	9Bet Crv	2.6480	5600.0	108	10736	No
42	GOM_NL__2PRFIN20040320_024124_000000492025_00161_10736_0708.N1	20-MAR-2004 02:41:24	Twilight_stray	49.000	100	4Gam Crv	2.5800	13100.	98	10736	No

397	GOM_NL_2PRFIN20040320_215216_000000412025_00172_10747_0740.N1	20-MAR-2004 21:52:16	Bright	40.500	19	50Alp Cyg	1.2460	10500.	81	10747	No
398	GOM_NL_2PRFIN20040320_215350_000000432025_00172_10747_0741.N1	20-MAR-2004 21:53:50	Bright	42.500	66	37Gam Cyg	2.2080	5900.0	85	10747	No
399	GOM_NL_2PRFIN20040320_215538_000000402025_00172_10747_0742.N1	20-MAR-2004 21:55:38	Bright	40.000	92	53Eps Cyg	2.5000	4500.0	80	10747	No
400	GOM_NL_2PRFIN20040320_220424_000000572025_00172_10747_0743.N1	20-MAR-2004 22:04:24	Twilight_and_stray	57.000	11	53Alp Aql	0.76500	8000.0	114	10747	No
401	GOM_NL_2PRFIN20040320_221504_000000492025_00172_10747_0744.N1	20-MAR-2004 22:15:04	Dark	49.000	155	41Pi Sgr	2.9000	6600.0	98	10747	No
402	GOM_NL_2PRFIN20040320_221850_000000572025_00172_10747_0745.N1	20-MAR-2004 22:18:50	Dark	57.000	137	22Lam Sgr	2.8240	4400.0	114	10747	No
403	GOM_NL_2PRFIN20040320_222043_000000512025_00172_10747_0746.N1	20-MAR-2004 22:20:43	Dark	51.000	38	20Eps Sgr	1.8360	11000.	102	10747	No
404	GOM_NL_2PRFIN20040320_222621_000000422025_00173_10748_0718.N1	20-MAR-2004 22:26:21	Dark	41.500	141	Bet Ara	2.8400	4600.0	83	10748	No
405	GOM_NL_2PRFIN20040320_222819_000000522025_00173_10748_0719.N1	20-MAR-2004 22:28:19	Dark	51.500	43	Alp TrA	1.9100	4250.0	103	10748	No
406	GOM_NL_2PRFIN20040320_222954_000000412025_00173_10748_0720.N1	20-MAR-2004 22:29:54	Dark	40.500	134	Bet TrA	2.8100	6600.0	81	10748	No
407	GOM_NL_2PRFIN20040320_223237_000000502025_00173_10748_0721.N1	20-MAR-2004 22:32:37	Dark	50.000	4	Alp1Cen	-0.010000	5800.0	100	10748	No
408	GOM_NL_2PRFIN20040320_223529_000000482025_00173_10748_0722.N1	20-MAR-2004 22:35:29	Straylight	48.000	12	Alp1Cru	0.77500	30000.	96	10748	No
409	GOM_NL_2PRFIN20040320_223649_000000542025_00173_10748_0723.N1	20-MAR-2004 22:36:49	Straylight	54.000	26	Gam Cru	1.6240	2900.0	108	10748	No
410	GOM_NL_2PRFIN20040320_223924_000000602025_00173_10748_0724.N1	20-MAR-2004 22:39:24	Straylight	60.000	54	5The Cen	2.0550	4500.0	120	10748	No
411	GOM_NL_2PRFIN20040320_224546_000000612025_00173_10748_0725.N1	20-MAR-2004 22:45:46	Straylight	60.500	169	46Gam Hya	2.9910	4700.0	121	10748	No
412	GOM_NL_2PRFIN20040320_224836_000000512025_00173_10748_0726.N1	20-MAR-2004 22:48:36	Twilight_and_stray	50.500	100	4Gam Crv	2.5800	13100.	101	10748	No
413	GOM_NL_2PRFIN20040320_225100_000000782025_00173_10748_0727.N1	20-MAR-2004 22:51:00	Bright	77.500	15	67Alp Vir	0.97600	28000.	155	10748	No
414	GOM_NL_2PRFIN20040320_225433_000000552025_00173_10748_0728.N1	20-MAR-2004 22:54:33	Bright	55.000	121	29Gam Vir	2.7400	7200.0	110	10748	No
415	GOM_NL_2PRFIN20040320_225755_000000382025_00173_10748_0729.N1	20-MAR-2004 22:57:55	Bright	38.000	22	32Alp Leo	1.3600	15200.	76	10748	No
416	GOM_NL_2PRFIN20040320_230004_000000372025_00173_10748_0730.N1	20-MAR-2004 23:00:04	Bright	36.500	51	41Gam1Leo	2.0100	4500.0	73	10748	No
417	GOM_NL_2PRFIN20040320_230121_000000372025_00173_10748_0731.N1	20-MAR-2004 23:01:21	Bright	36.500	166	17Eps Leo	2.9800	6000.0	73	10748	No
418	GOM_NL_2PRFIN20040320_230728_000000402025_00173_10748_0732.N1	20-MAR-2004 23:07:28	Bright	39.500	174	52Psi UMa	3.0040	4400.0	79	10748	No
419	GOM_NL_2PRFIN20040320_231044_000000382025_00173_10748_0733.N1	20-MAR-2004 23:10:44	Bright	37.500	82	48Bet UMa	2.3650	10600.	75	10748	No
420	GOM_NL_2PRFIN20040320_231215_000000382025_00173_10748_0734.N1	20-MAR-2004 23:12:15	Bright	37.500	36	50Alp UMa	1.8000	6300.0	75	10748	No
421	GOM_NL_2PRFIN20040320_231419_000000482025_00173_10748_0735.N1	20-MAR-2004 23:14:19	Bright	47.500	55	79Zet UMa	2.0600	10200.	95	10748	No
422	GOM_NL_2PRFIN20040320_231908_000000412025_00173_10748_0736.N1	20-MAR-2004 23:19:08	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	10748	No
423	GOM_NL_2PRFIN20040320_232253_000000512025_00173_10748_0737.N1	20-MAR-2004 23:22:53	Bright	51.000	119	14Eta Dra	2.7270	4700.0	102	10748	No
424	GOM_NL_2PRFIN20040320_232704_000000352025_00173_10748_0738.N1	20-MAR-2004 23:27:04	Bright	35.000	74	11Bet Cas	2.2680	6600.0	70	10748	No
425	GOM_NL_2PRFIN20040320_232904_000000562025_00173_10748_0739.N1	20-MAR-2004 23:29:04	Bright	56.000	69	33Gam Dra	2.2310	3800.0	112	10748	No
426	GOM_NL_2PRFIN20040320_233252_000000402025_00173_10748_0740.N1	20-MAR-2004 23:32:52	Bright	40.000	19	50Alp Cyg	1.2460	10500.	80	10748	No
427	GOM_NL_2PRFIN20040320_233427_000000412025_00173_10748_0741.N1	20-MAR-2004 23:34:27	Bright	40.500	66	37Gam Cyg	2.2080	5900.0	81	10748	No
428	GOM_NL_2PRFIN20040320_233614_000000402025_00173_10748_0742.N1	20-MAR-2004 23:36:14	Bright	39.500	92	53Eps Cyg	2.5000	4500.0	79	10748	No
429	GOM_NL_2PRFIN20040320_234500_000000552025_00173_10748_0743.N1	20-MAR-2004 23:45:00	Twilight_and_stray	55.000	11	53Alp Aql	0.76500	8000.0	110	10748	No
430	GOM_NL_2PRFIN20040320_235541_000000502025_00173_10748_0744.N1	20-MAR-2004 23:55:41	Dark	49.500	155	41Pi Sgr	2.9000	6600.0	99	10748	No
431	GOM_NL_2PRFIN20040320_235747_000000532025_00173_10748_0745.N1	20-MAR-2004 23:57:47	Dark	52.500	57	34Sig Sgr	2.0660	26000.	105	10748	No
432	GOM_NL_2PRFIN20040320_235927_000000722025_00173_10748_0746.N1	20-MAR-2004 23:59:27	Dark	72.000	137	22Lam Sgr	2.8240	4400.0	144	10748	No

3. Quality information per product

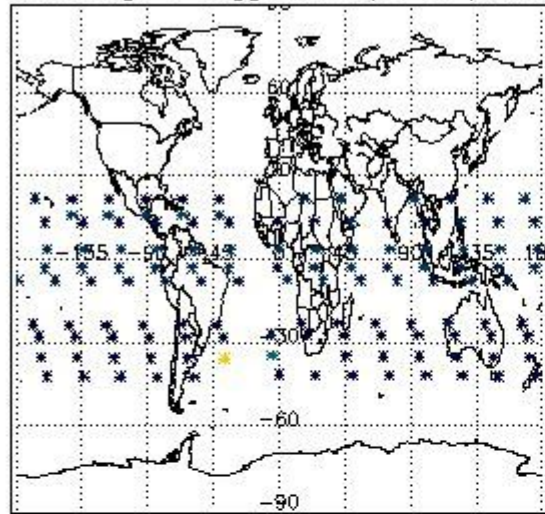
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

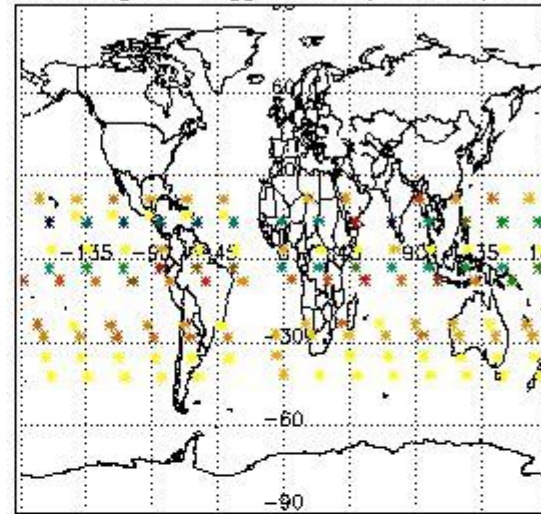


3.2 Plot quality information per product (world map)

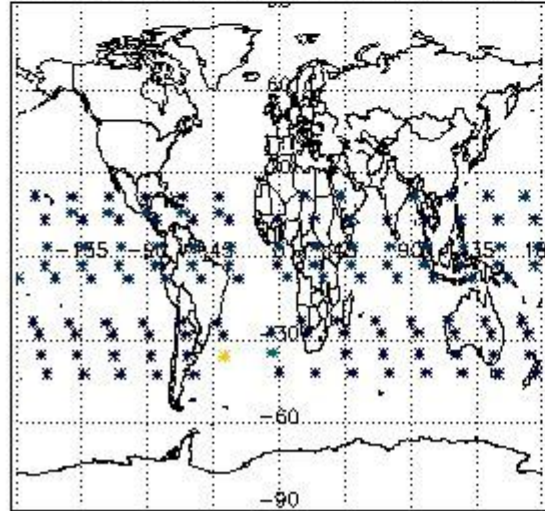
Percentage of flagged data per O3 profile



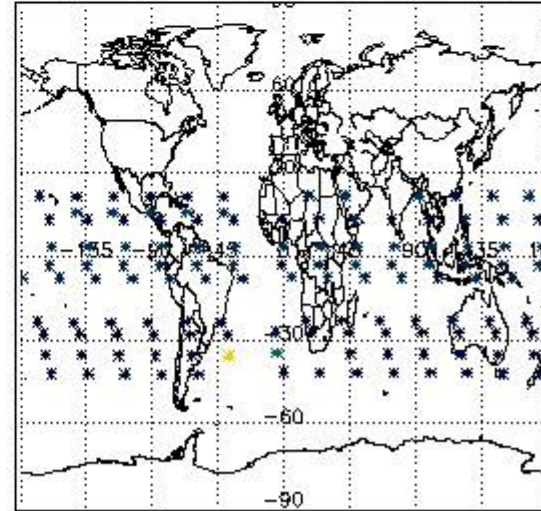
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

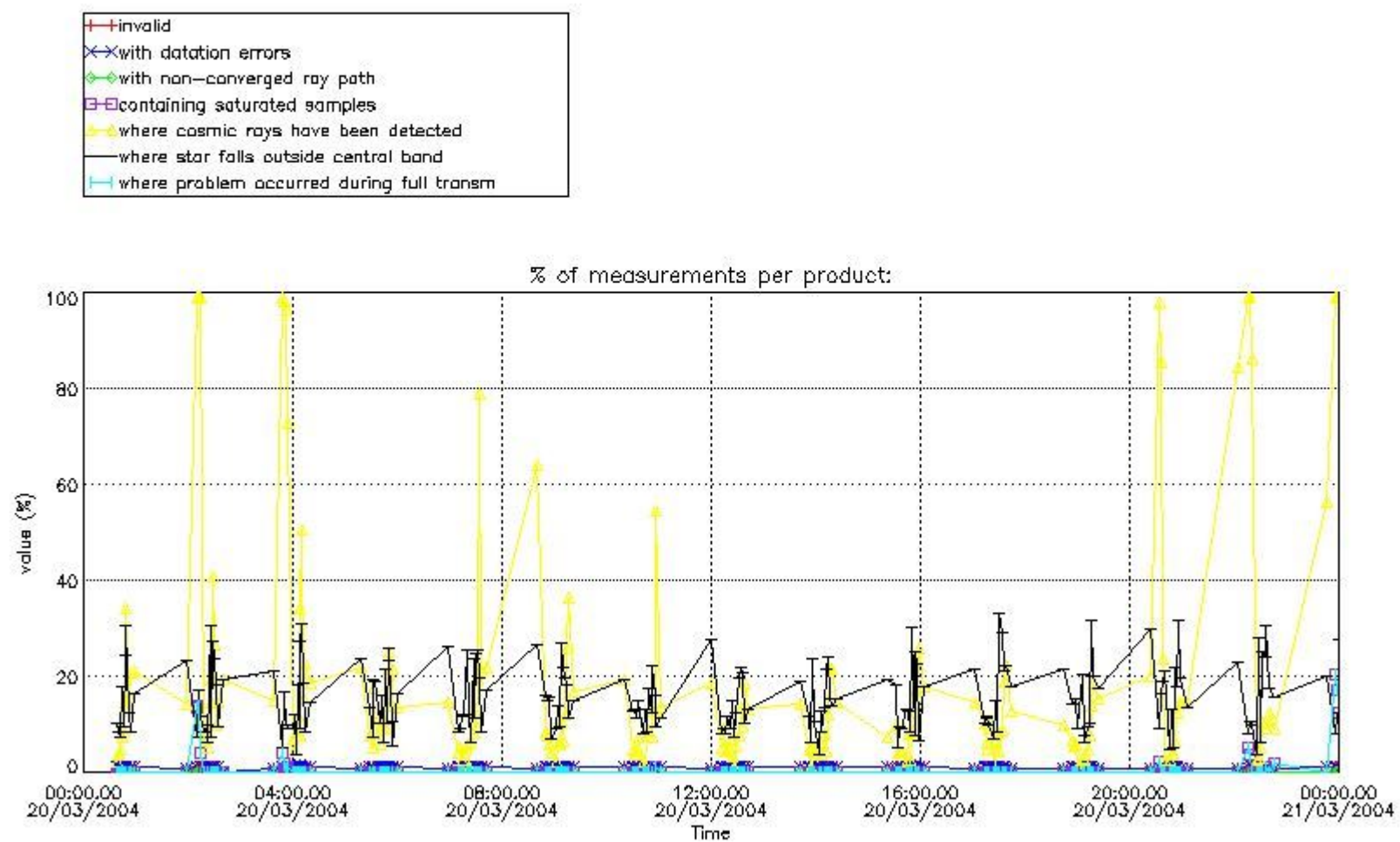


4. Level 1 quality information per product

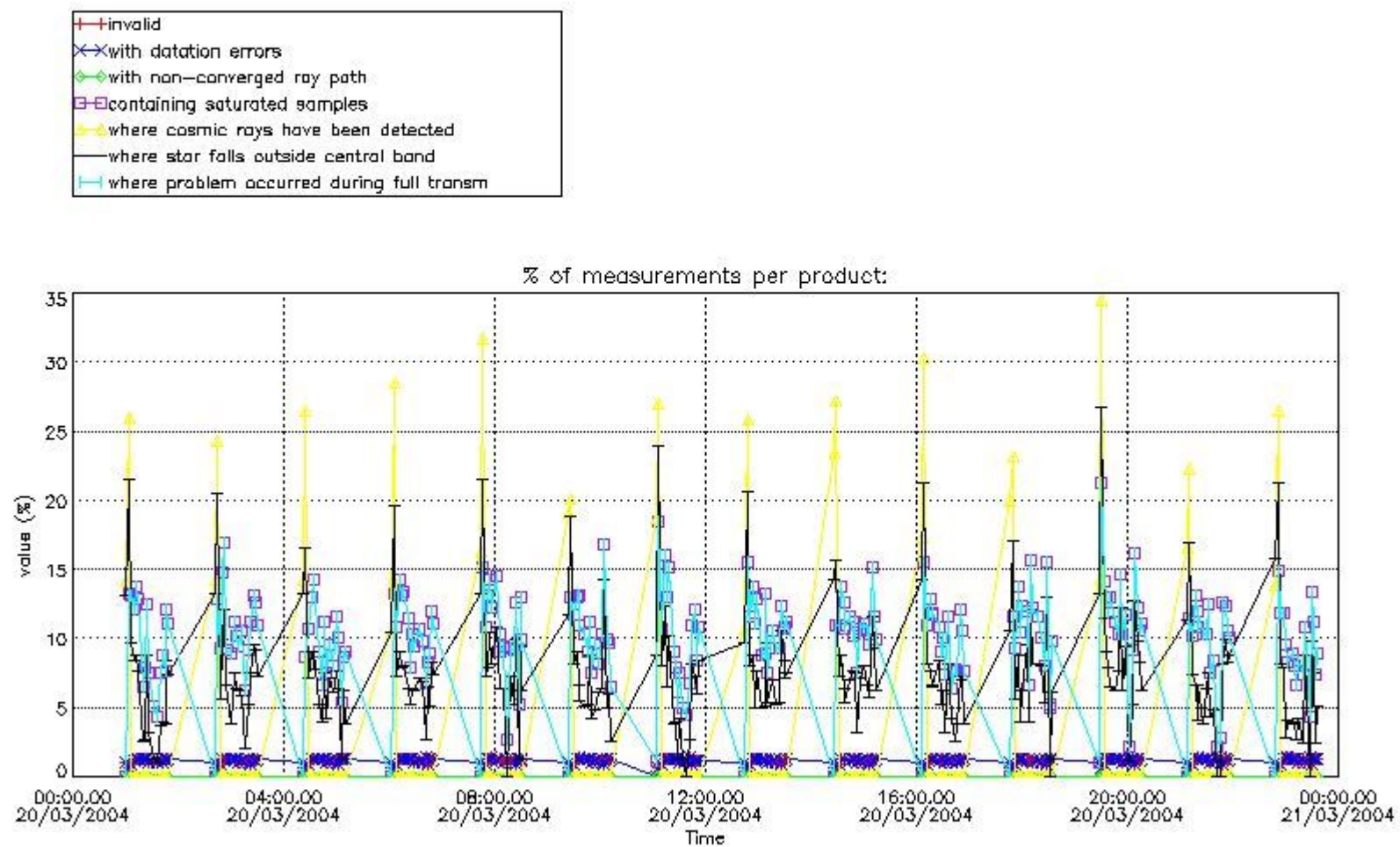
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

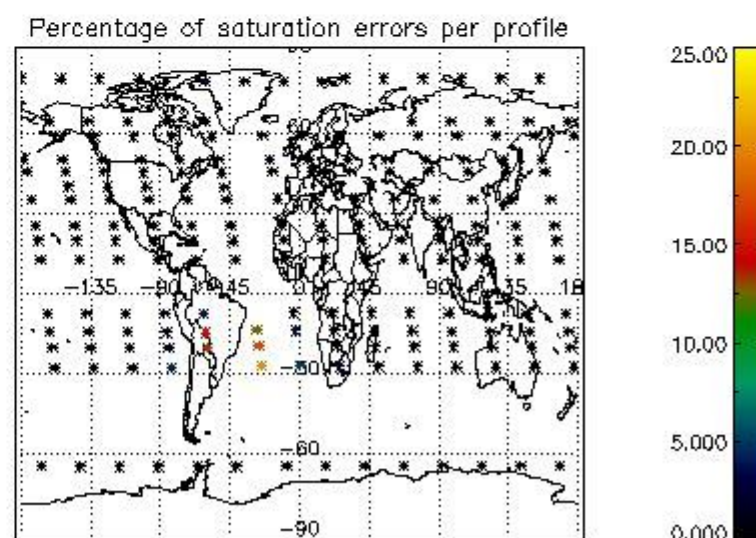
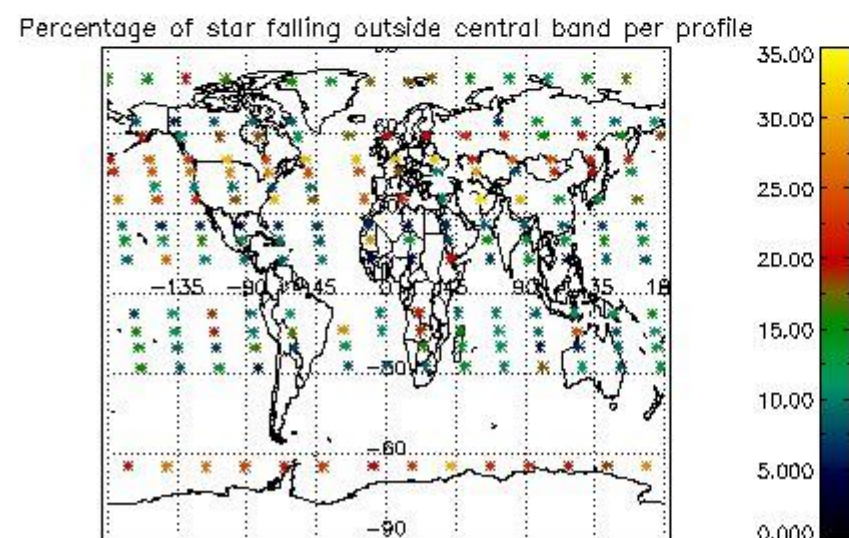
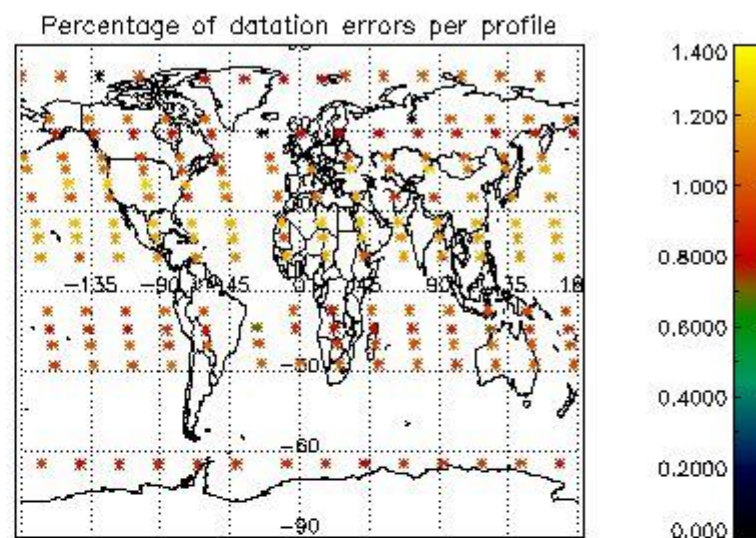
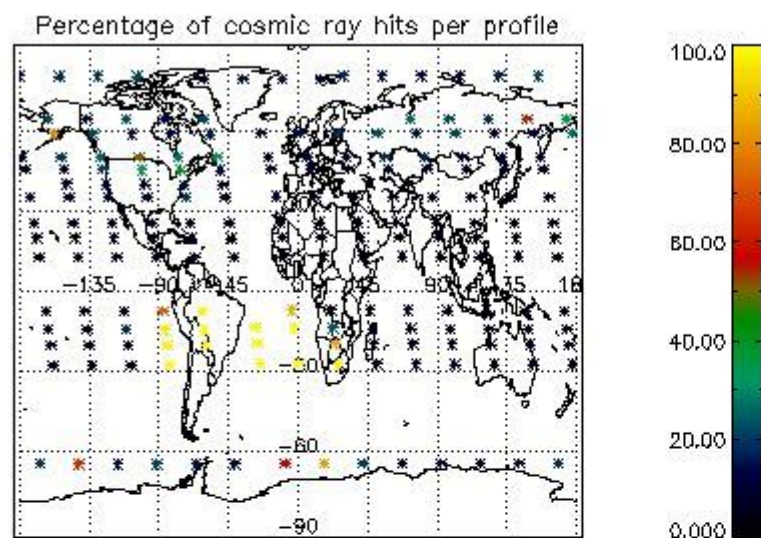


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

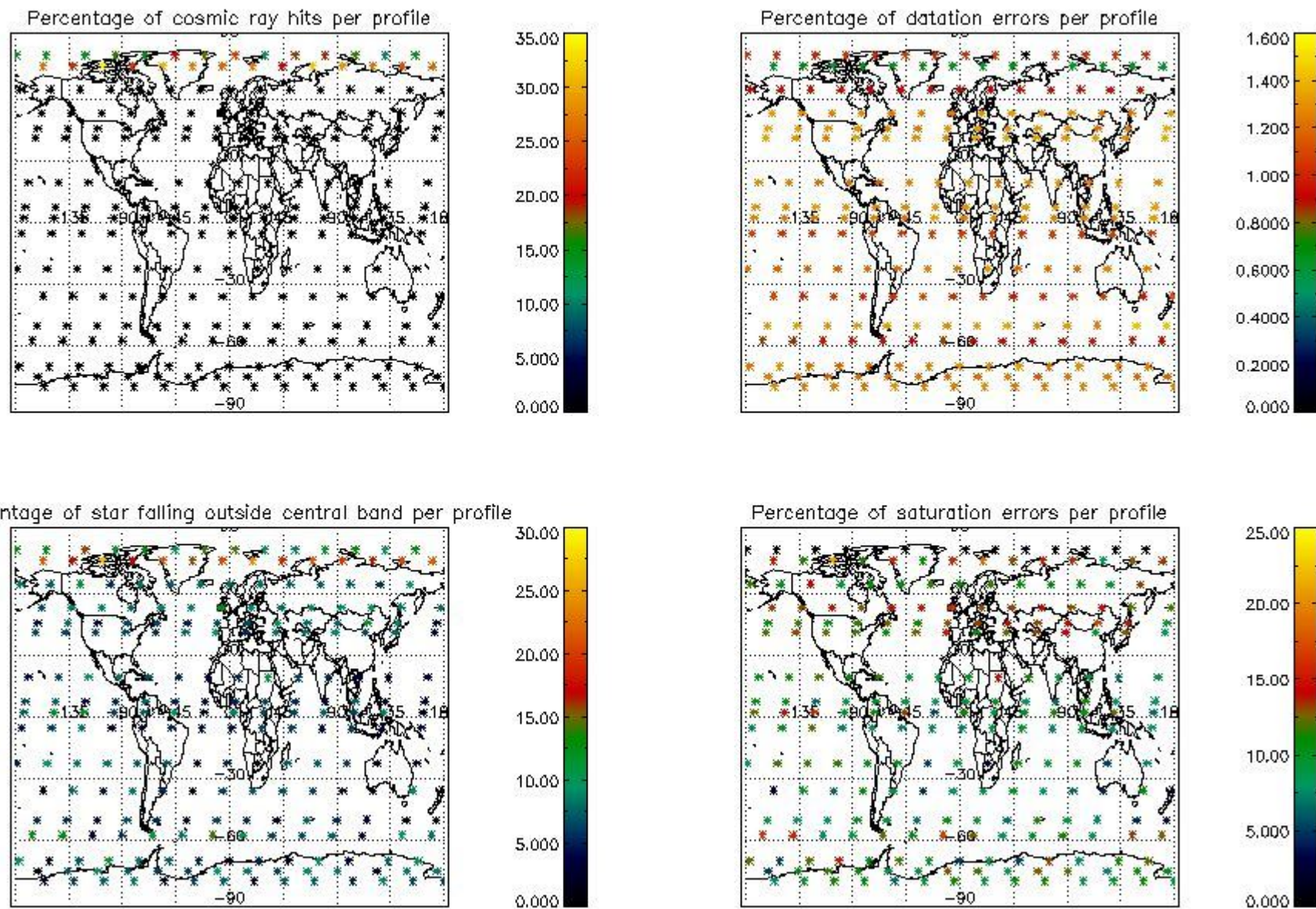


4.2 Plot quality information per product coming from level 1b processing (world map)

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

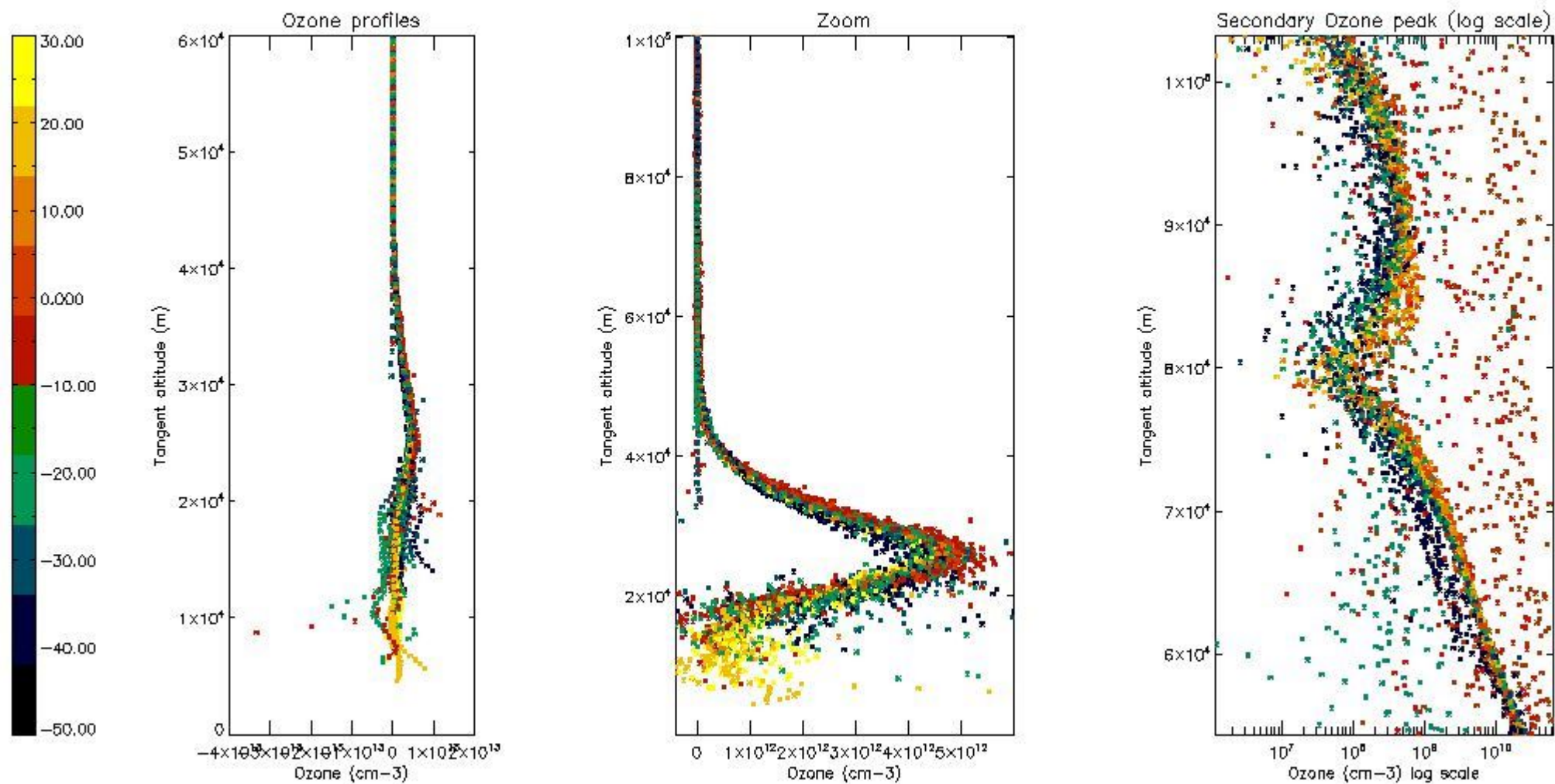
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	30
STD < 20	15

STD < 10	12
STD < 5	7

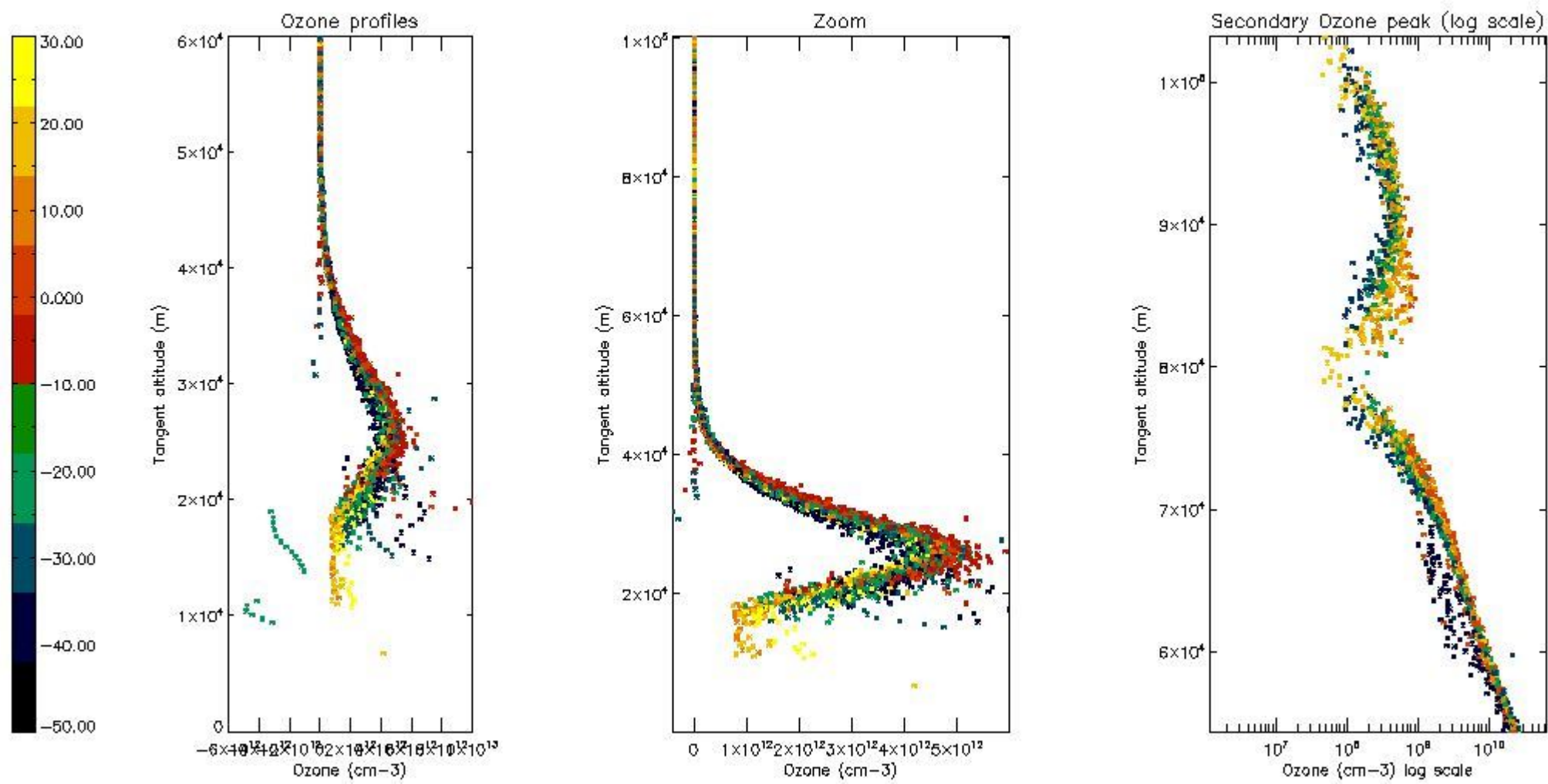
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



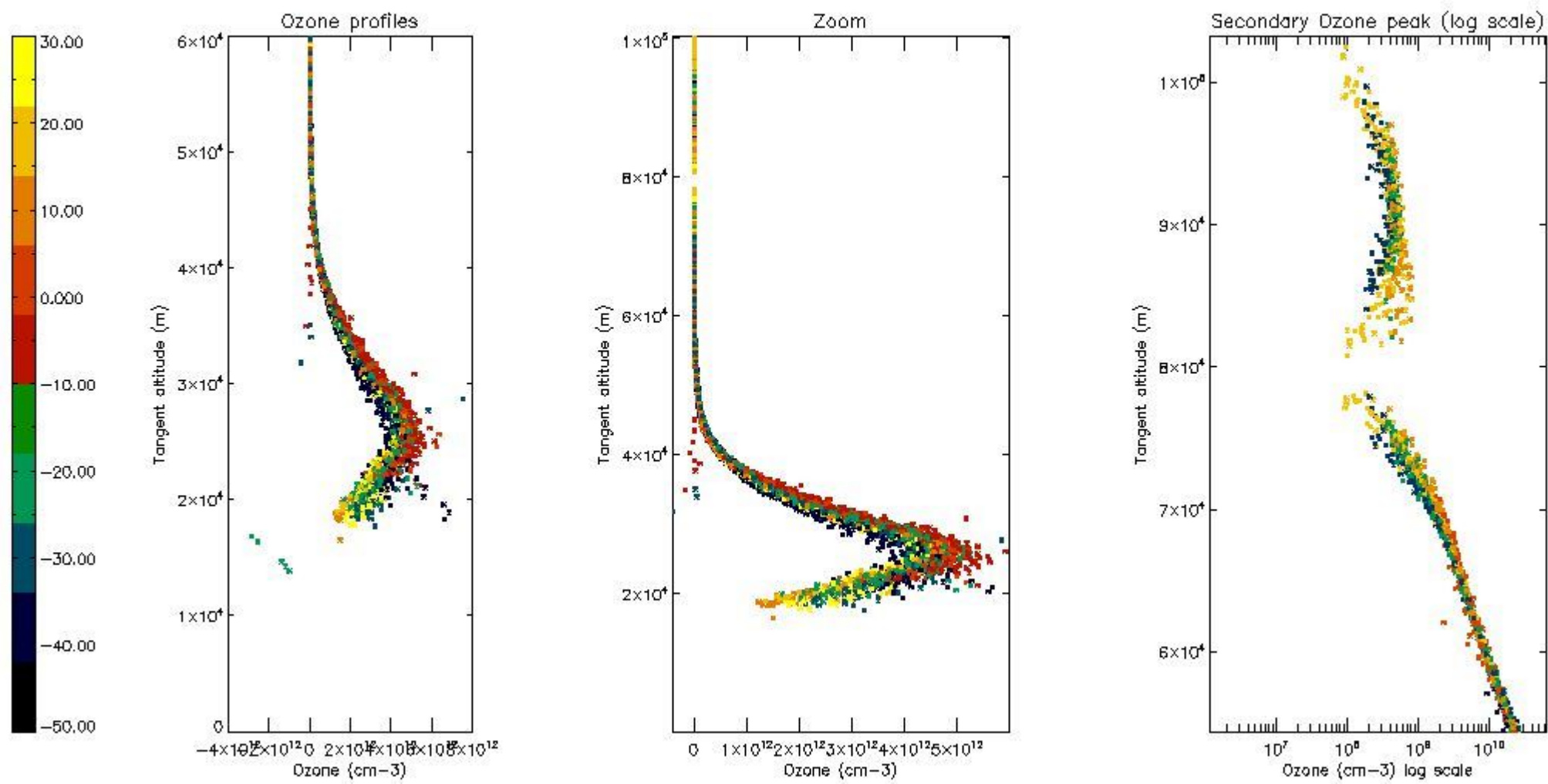
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



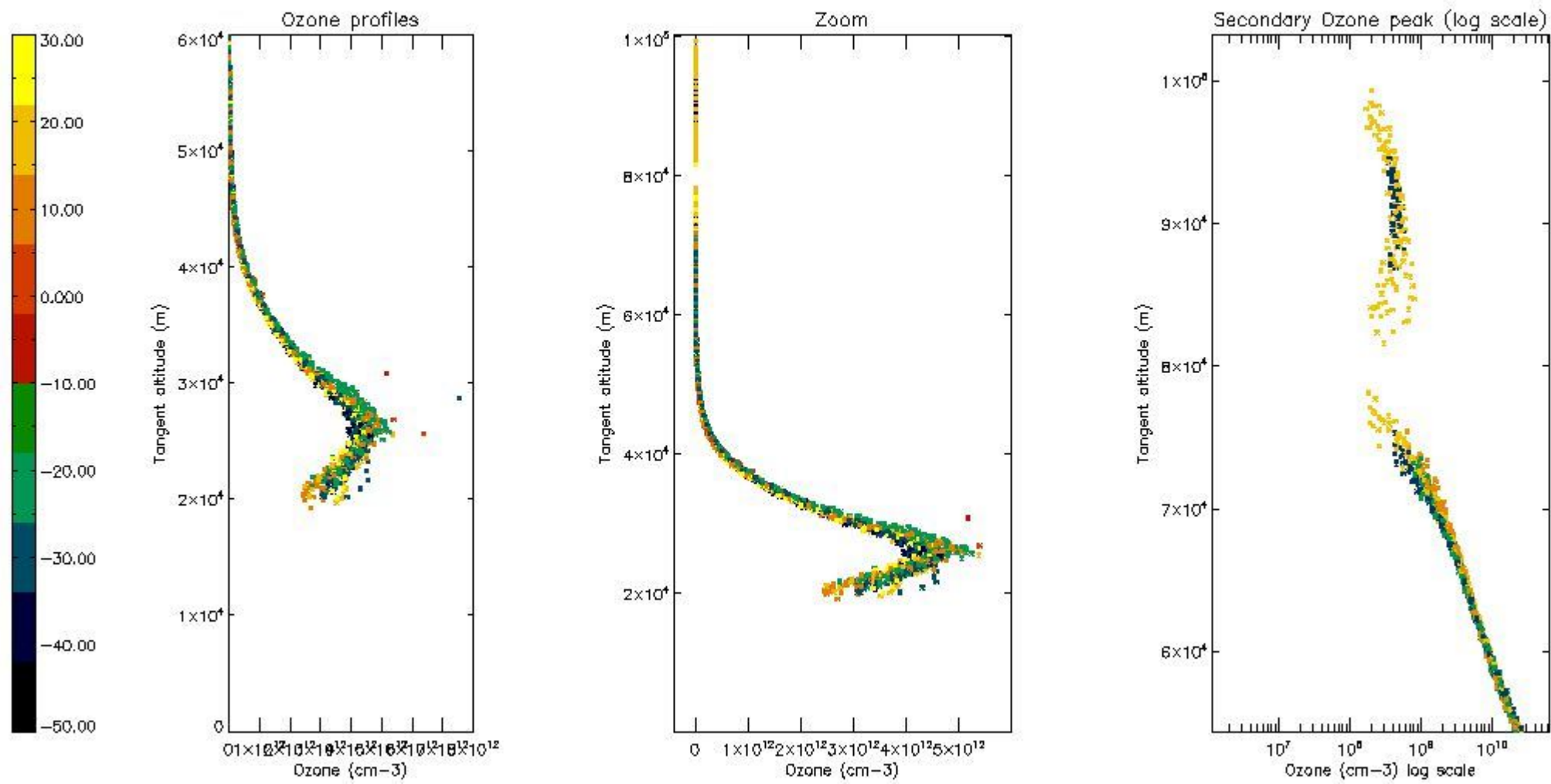
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



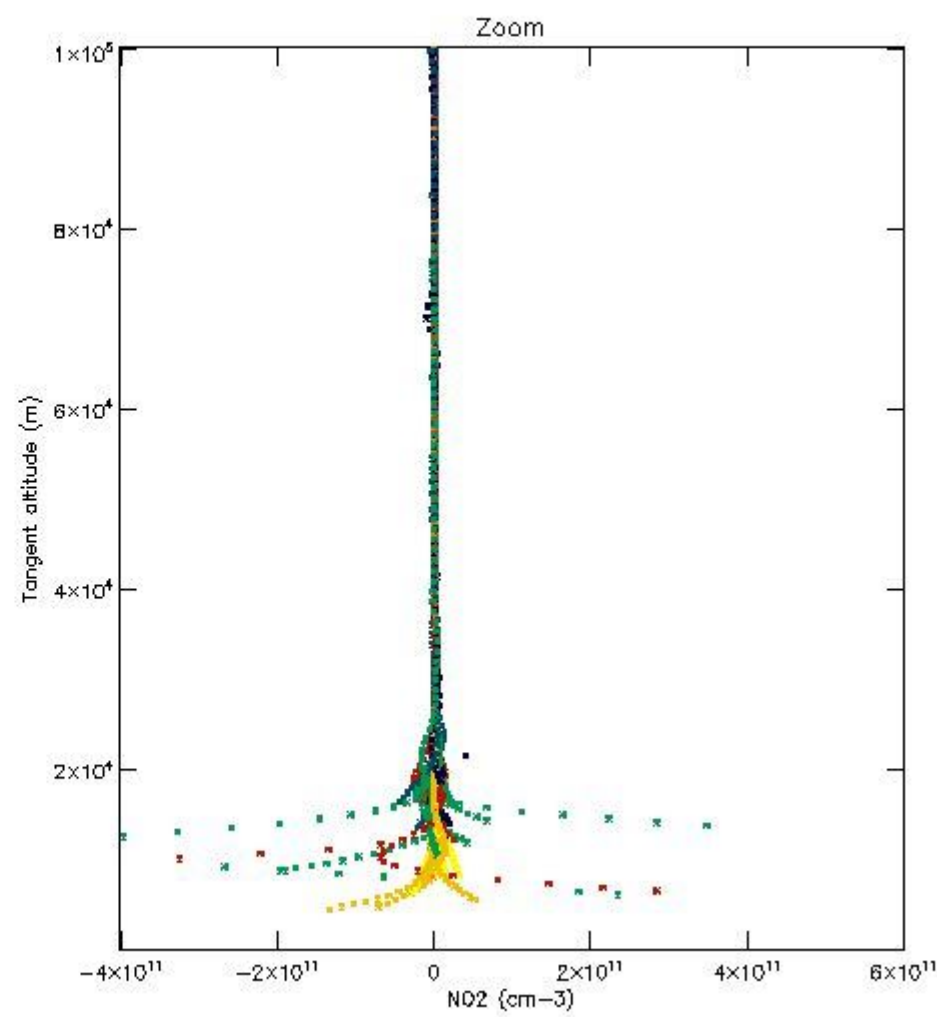
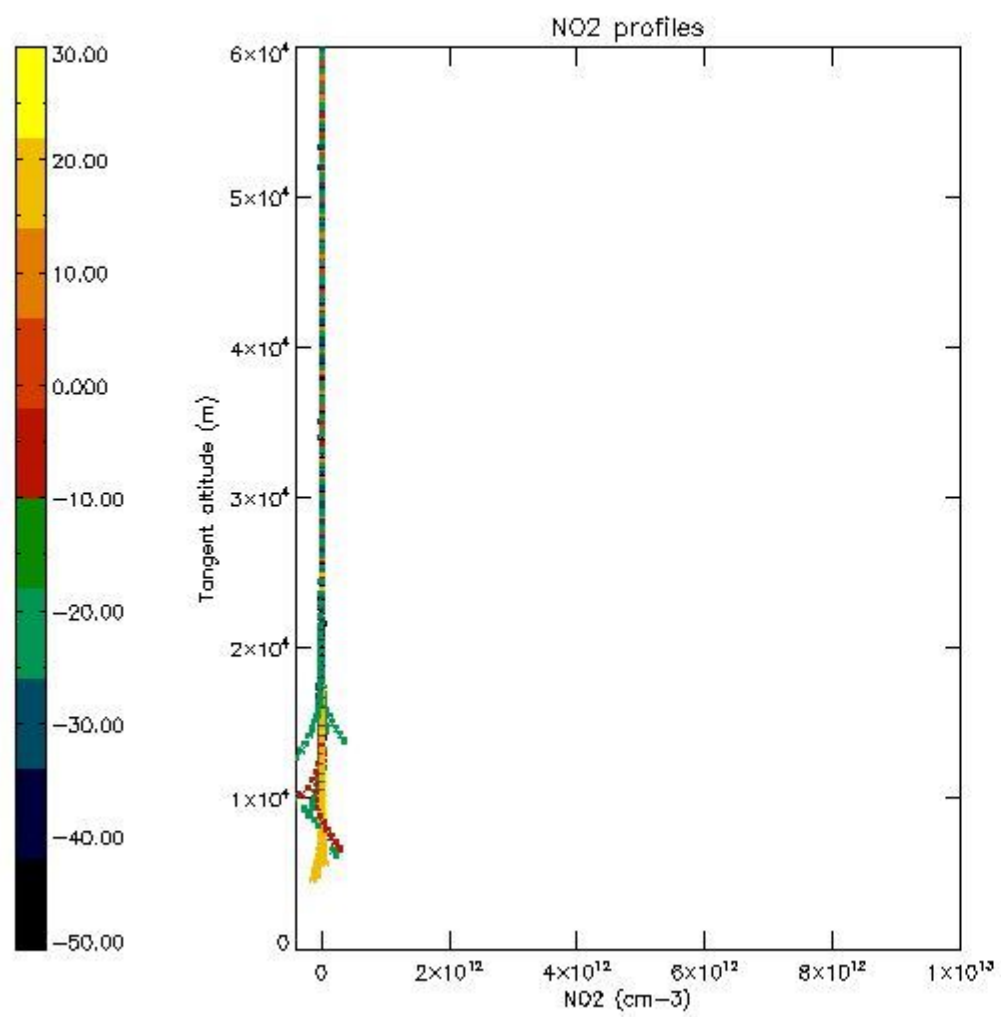
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



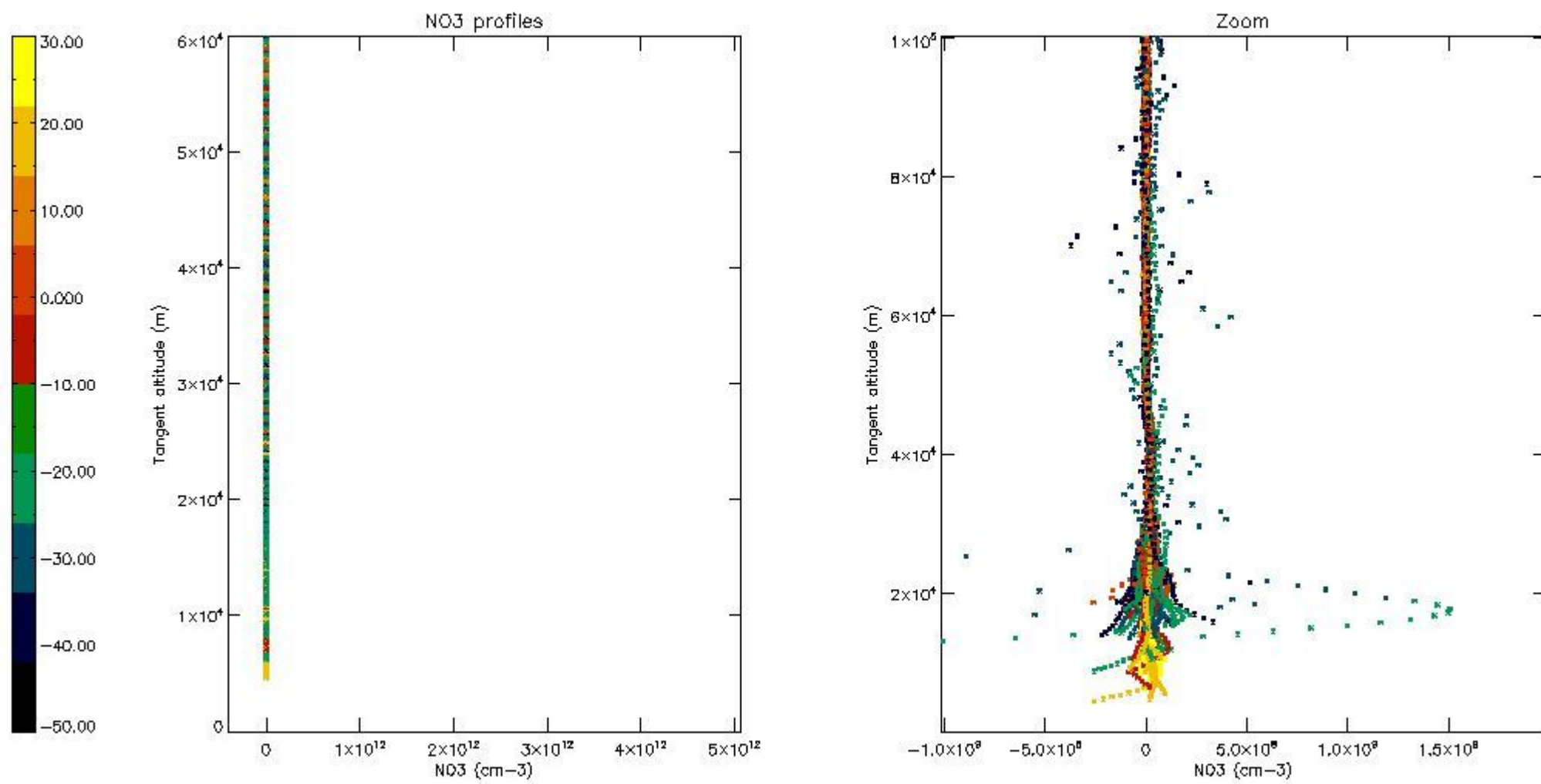
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



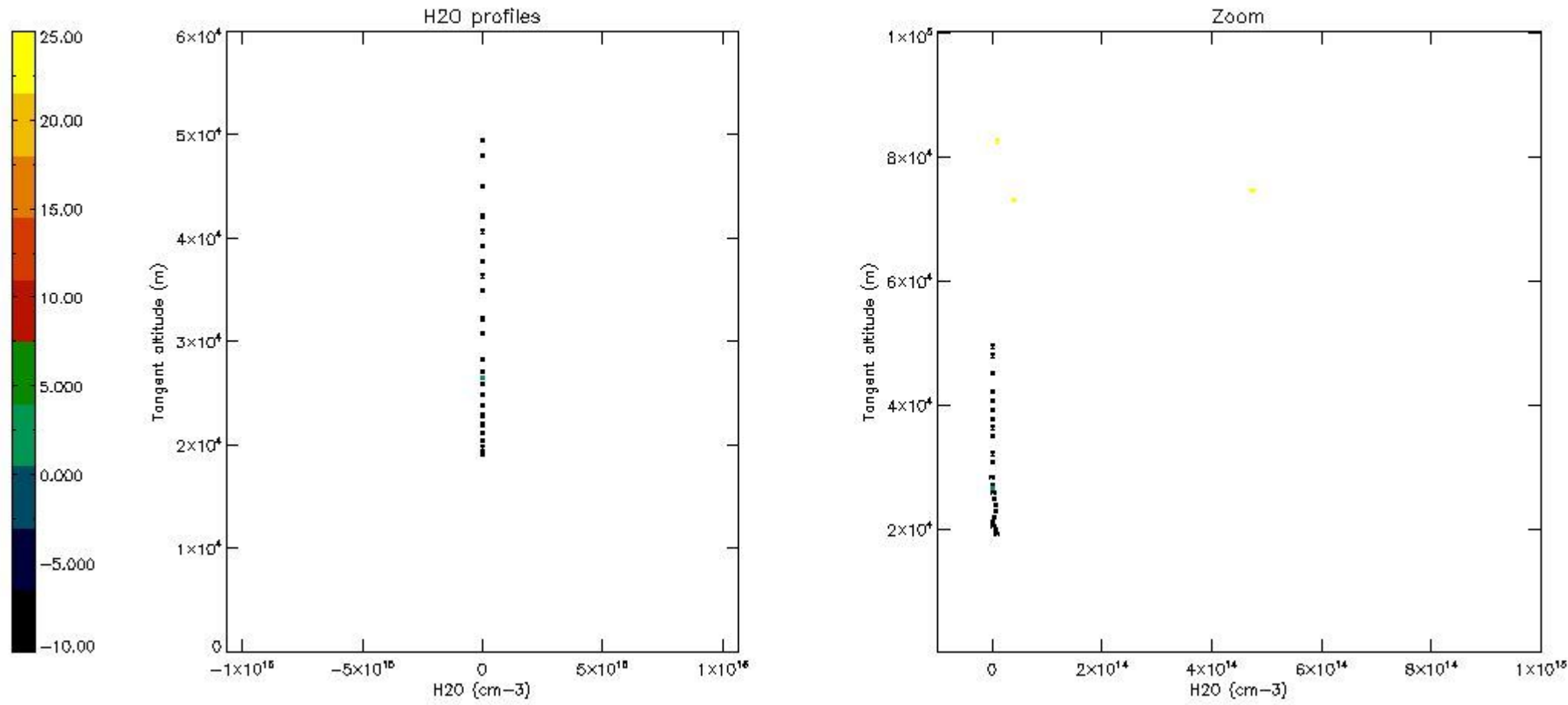
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



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)

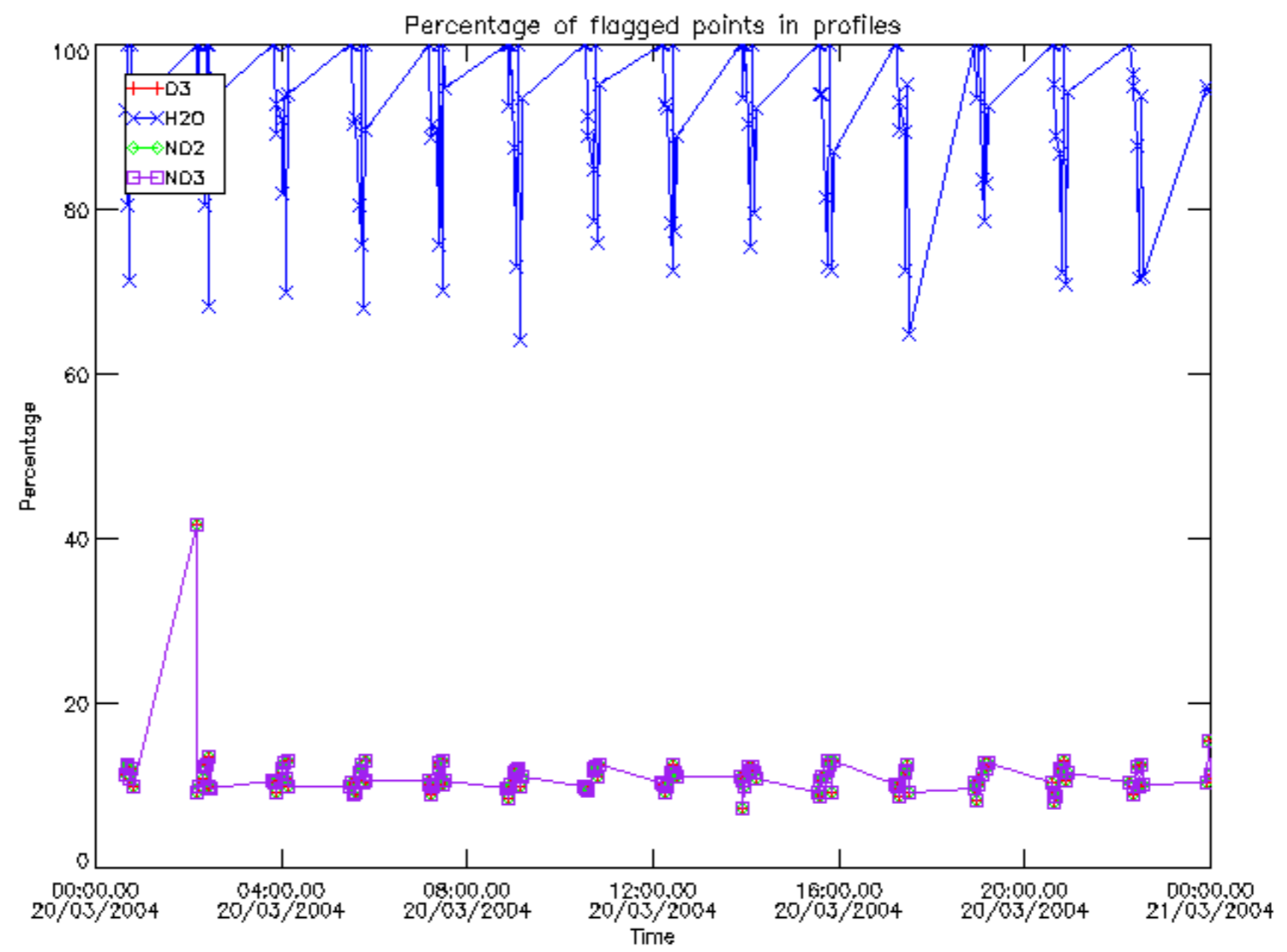
The colorbar represents the latitude.



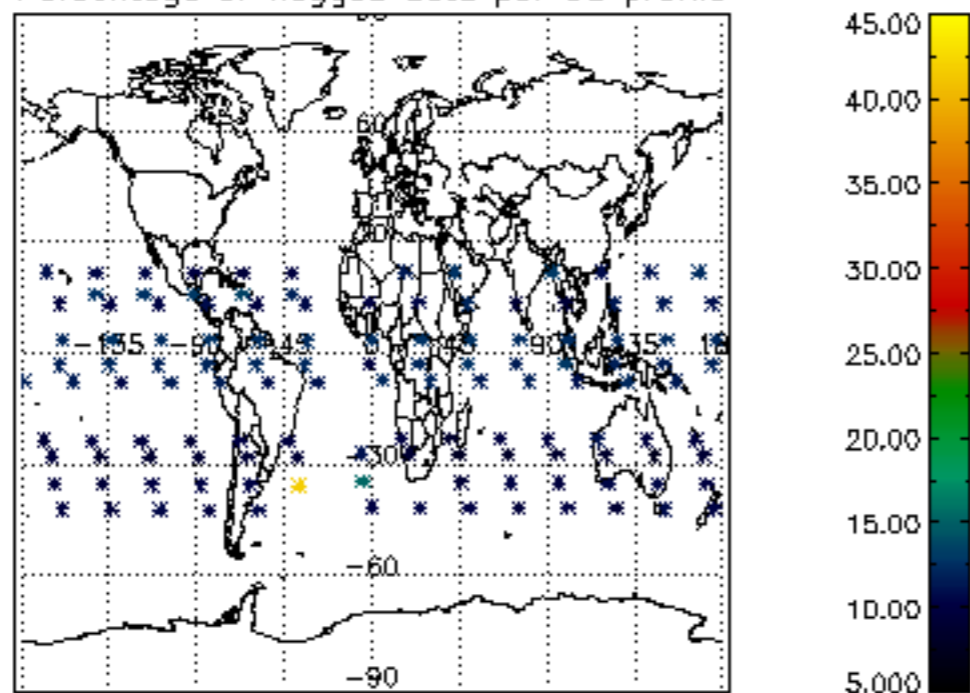
6. Auxiliary Data Files used for the production reported in section 2

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.

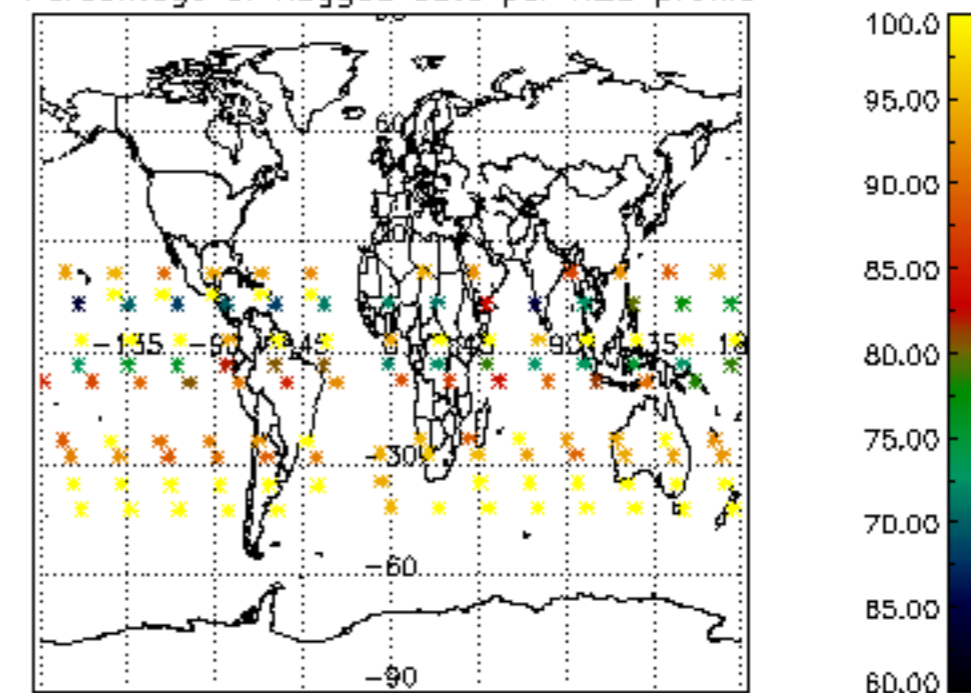
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	20-MAR-2004 00:38:24
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	20-MAR-2004 00:38:24
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	20-MAR-2004 00:38:24



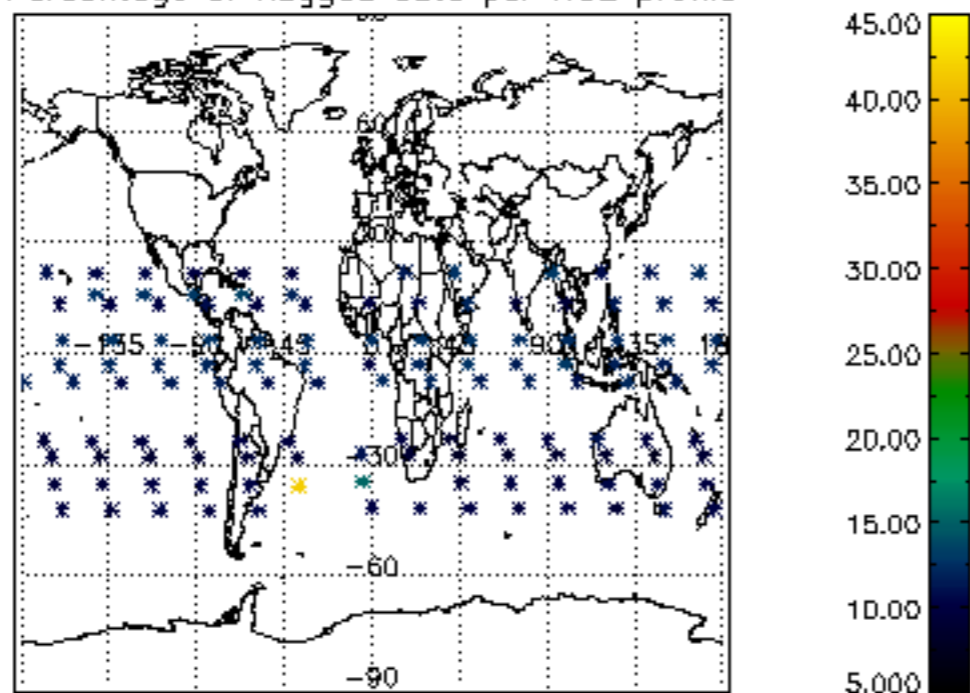
Percentage of flagged data per D3 profile



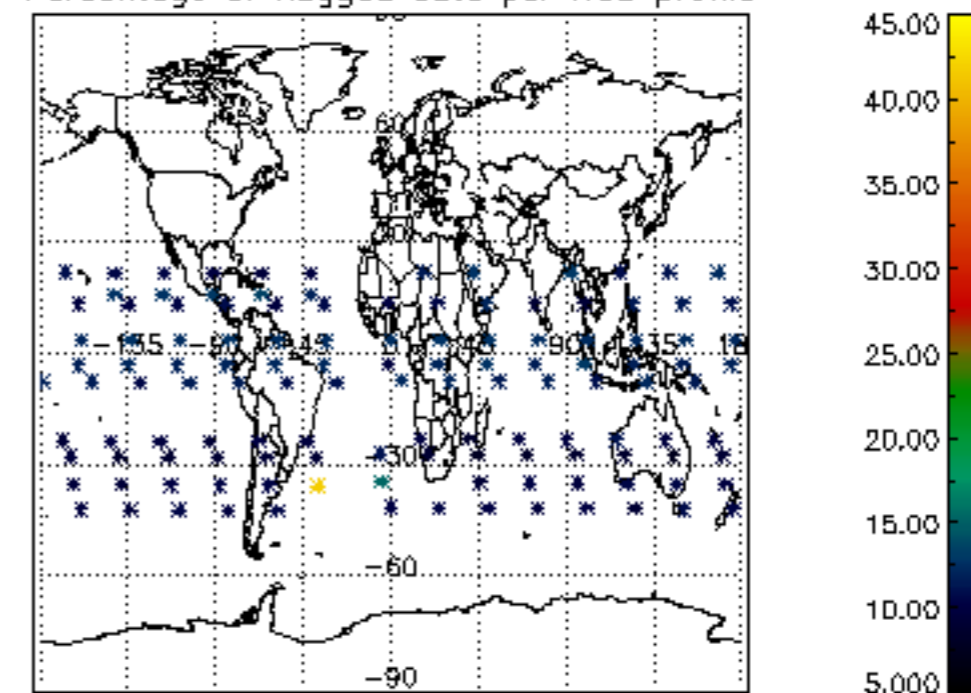
Percentage of flagged data per H2O profile

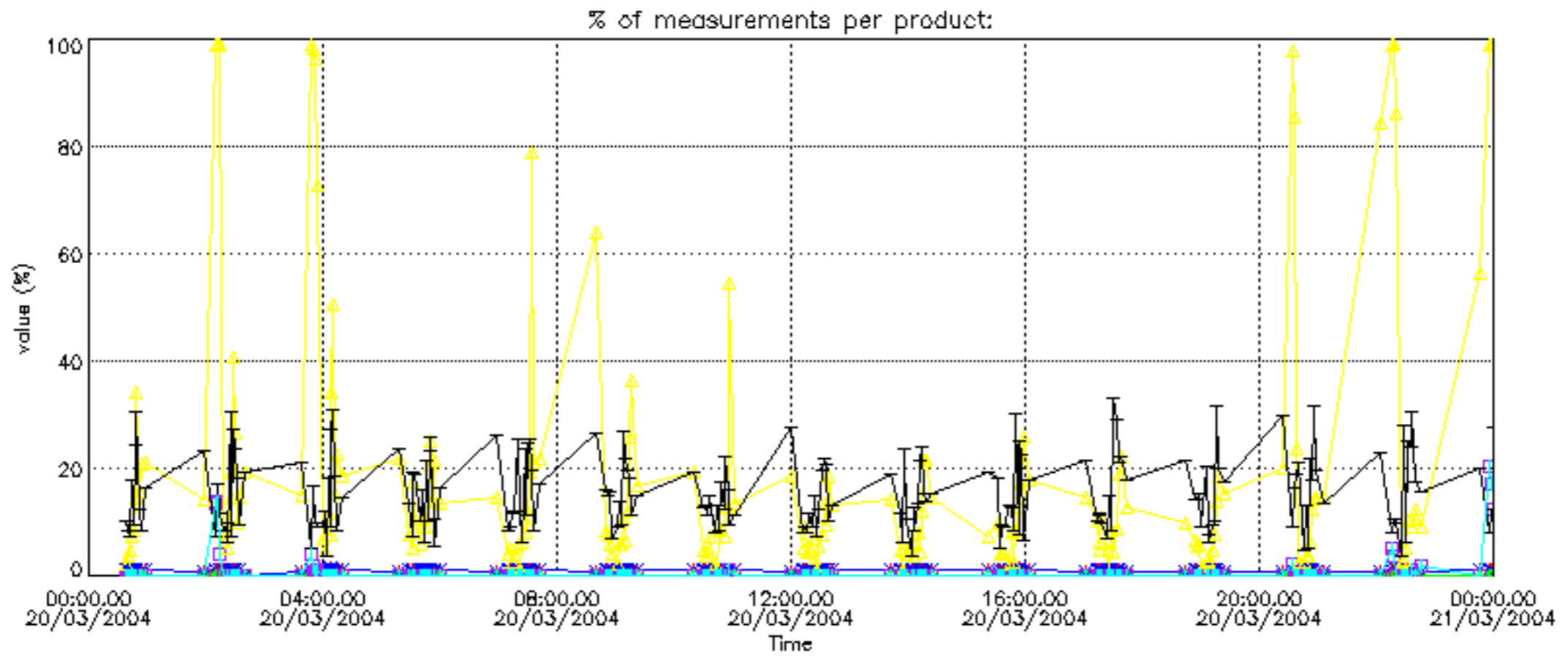


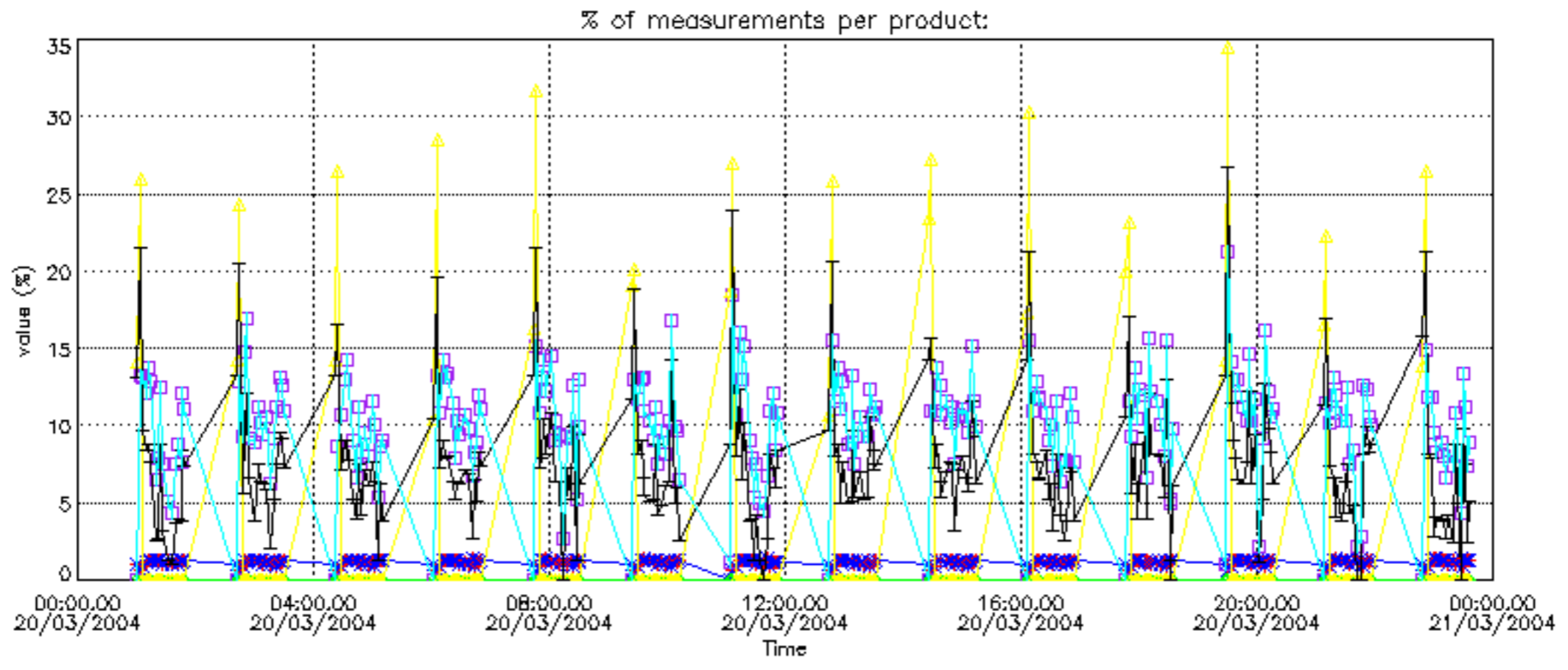
Percentage of flagged data per NO2 profile



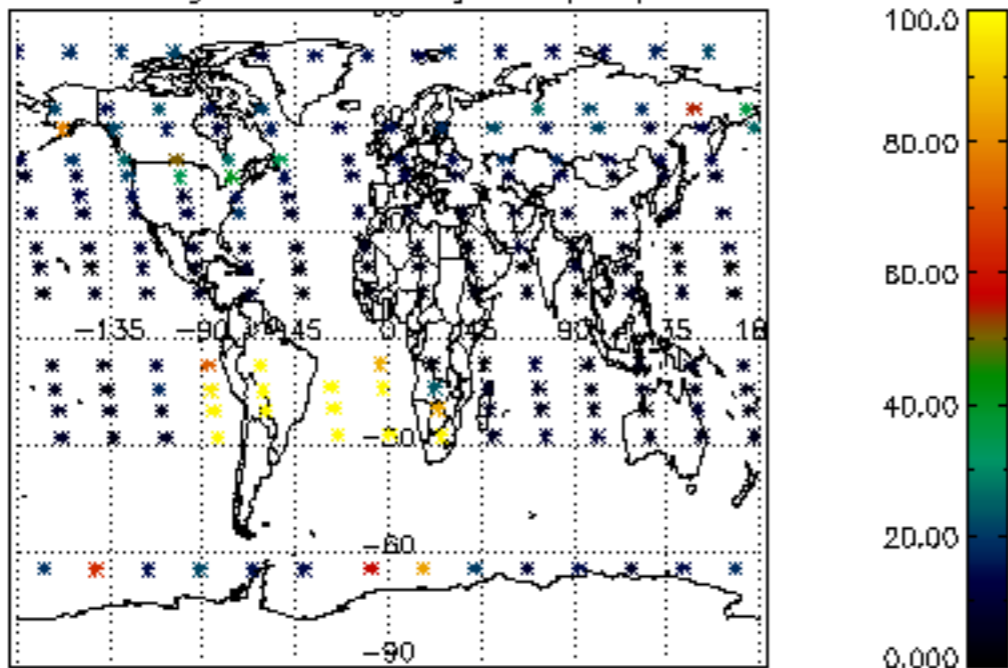
Percentage of flagged data per NO3 profile



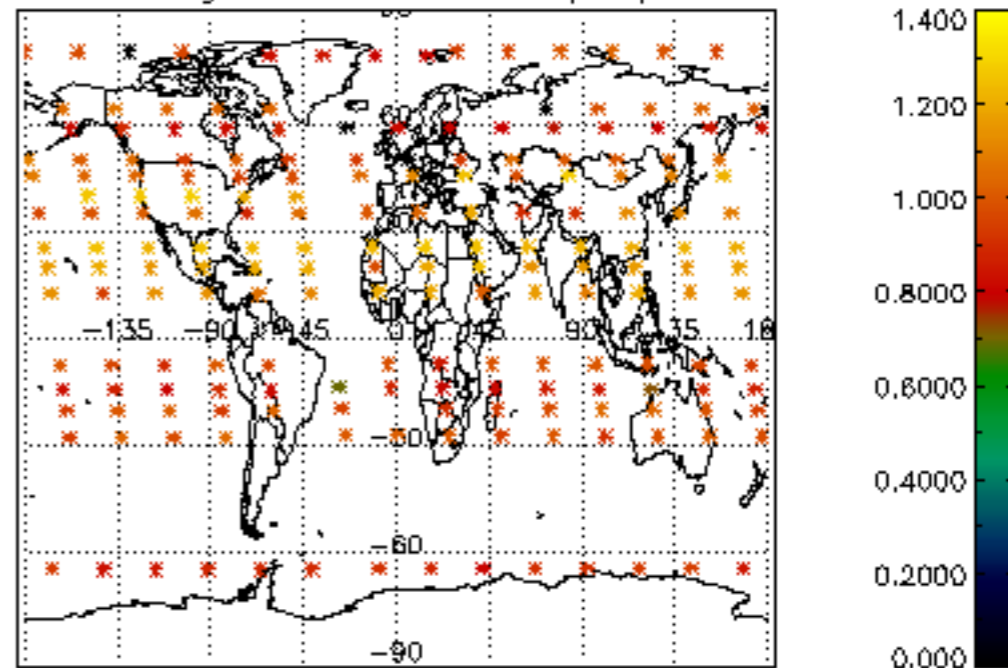




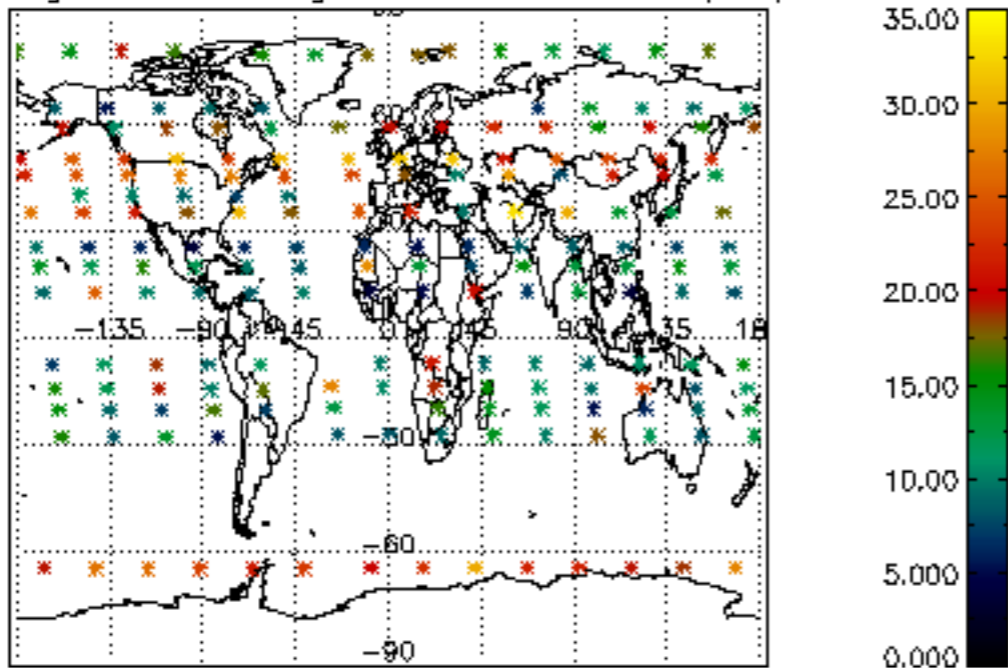
Percentage of cosmic ray hits per profile



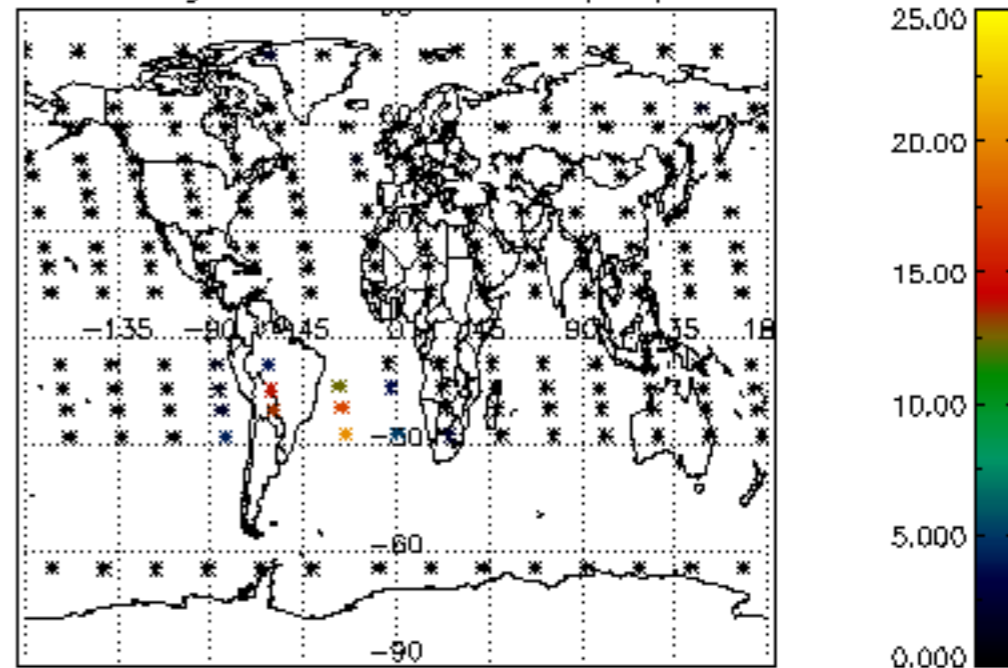
Percentage of datation errors per profile



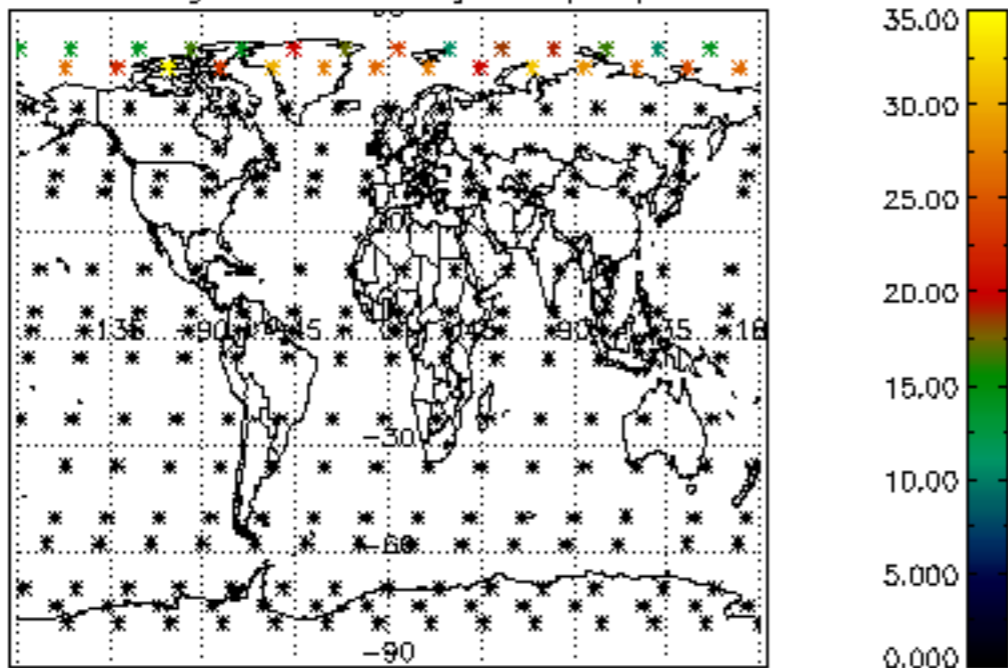
Percentage of star falling outside central band per profile



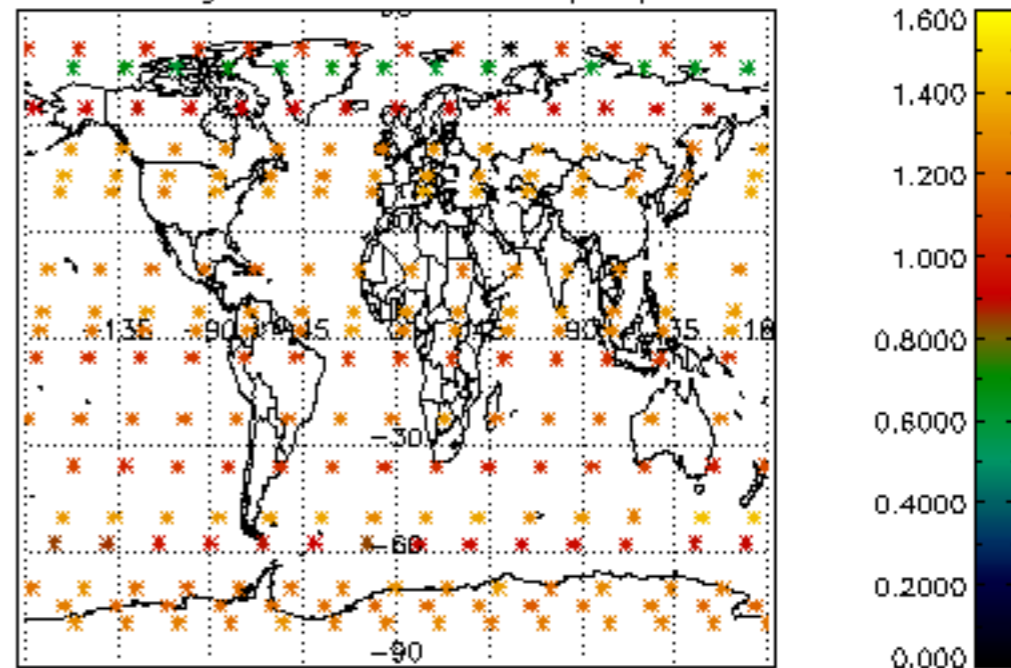
Percentage of saturation errors per profile



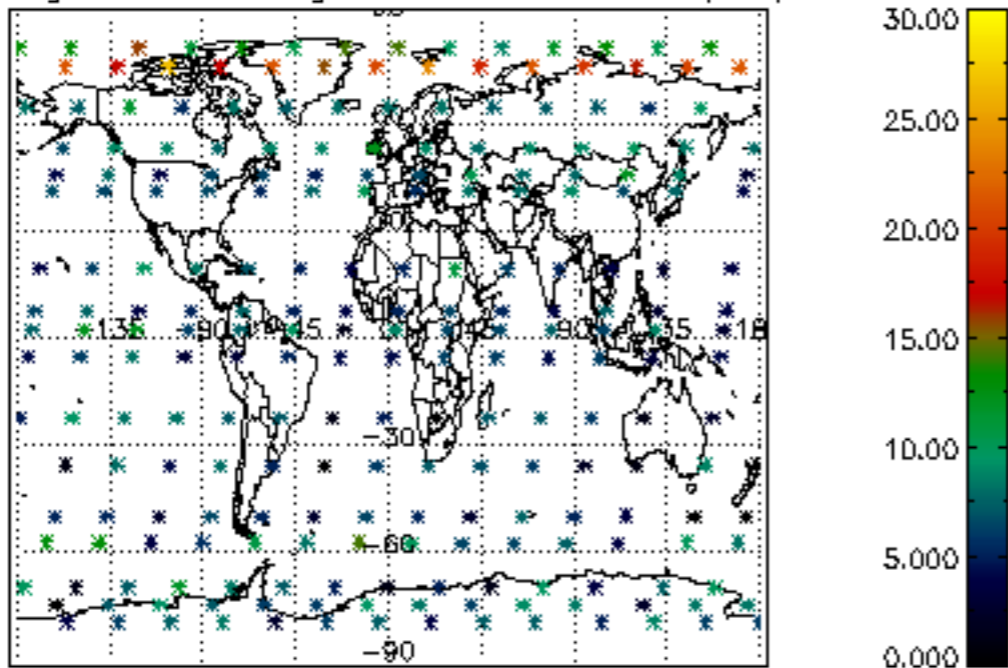
Percentage of cosmic ray hits per profile



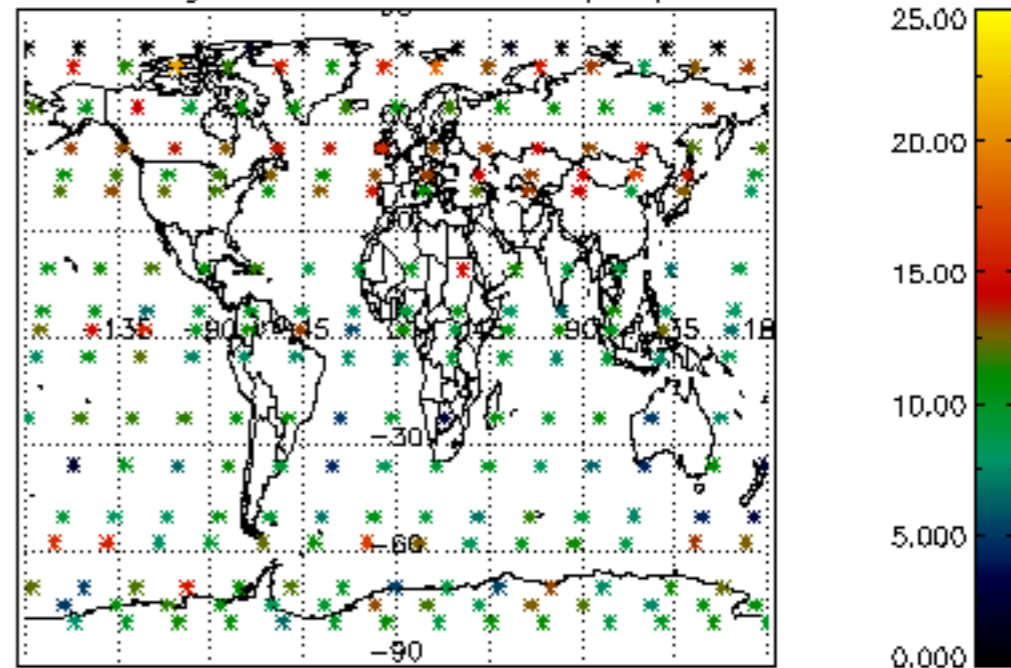
Percentage of datation errors per profile

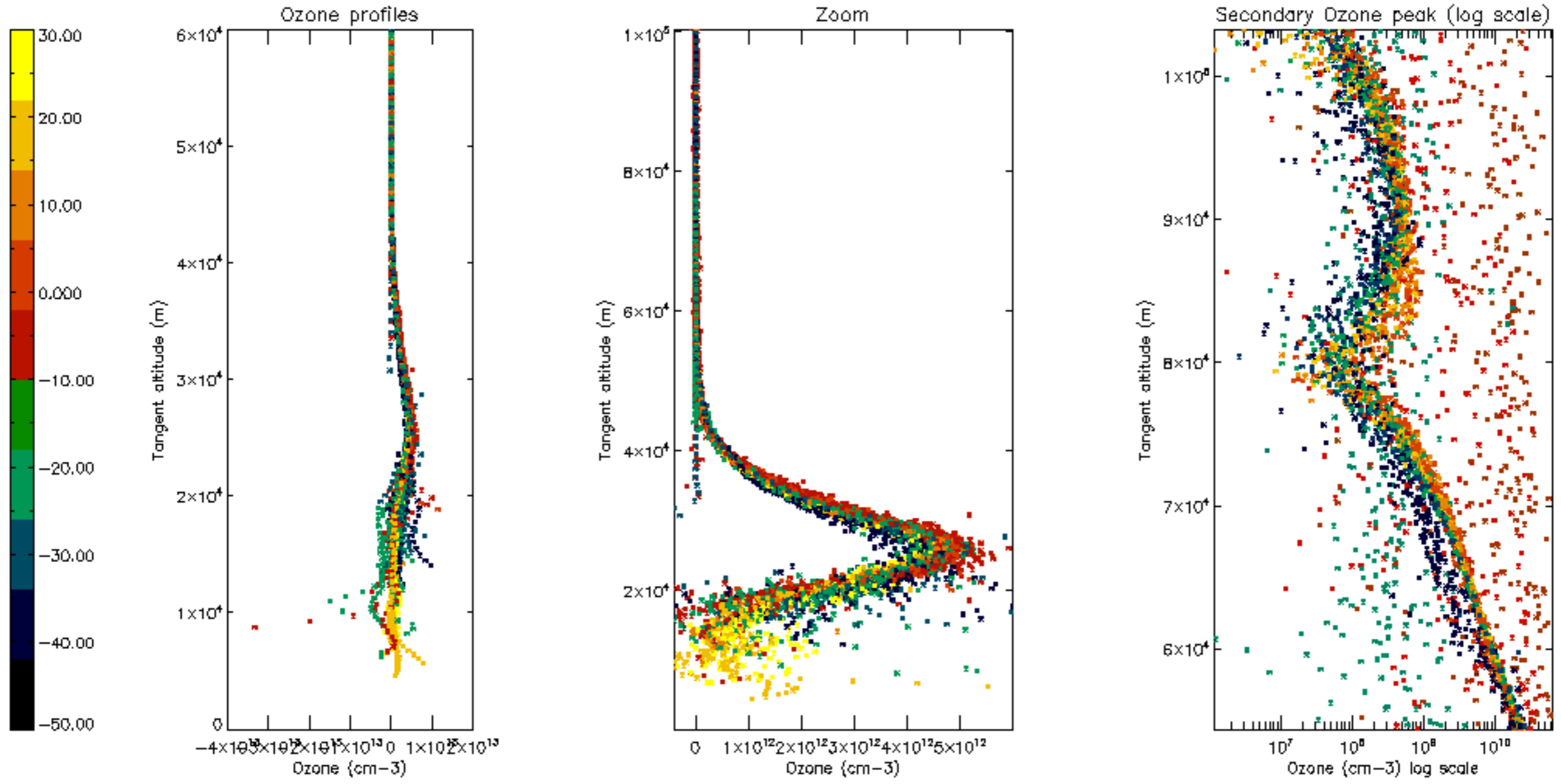


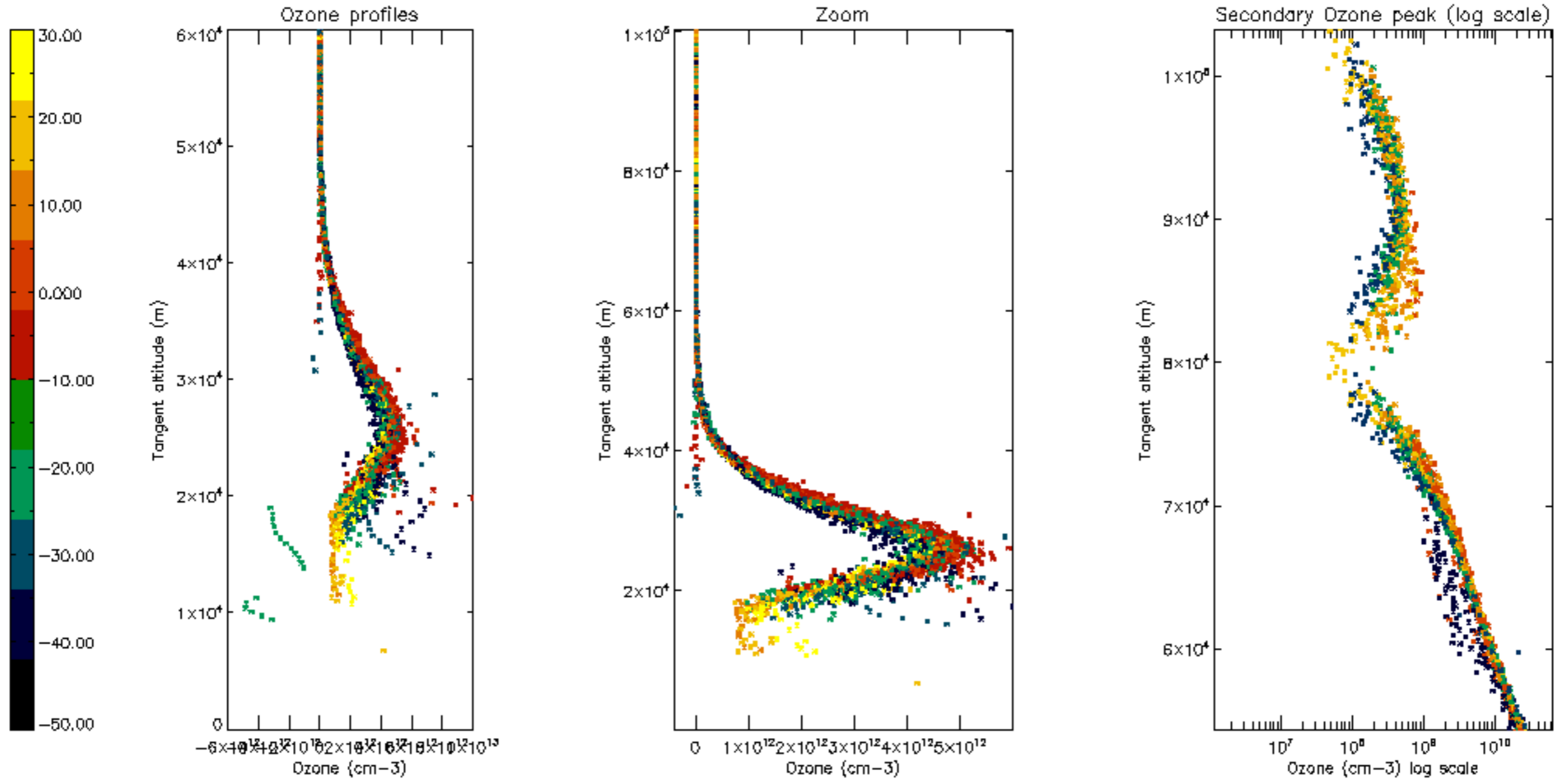
Percentage of star falling outside central band per profile

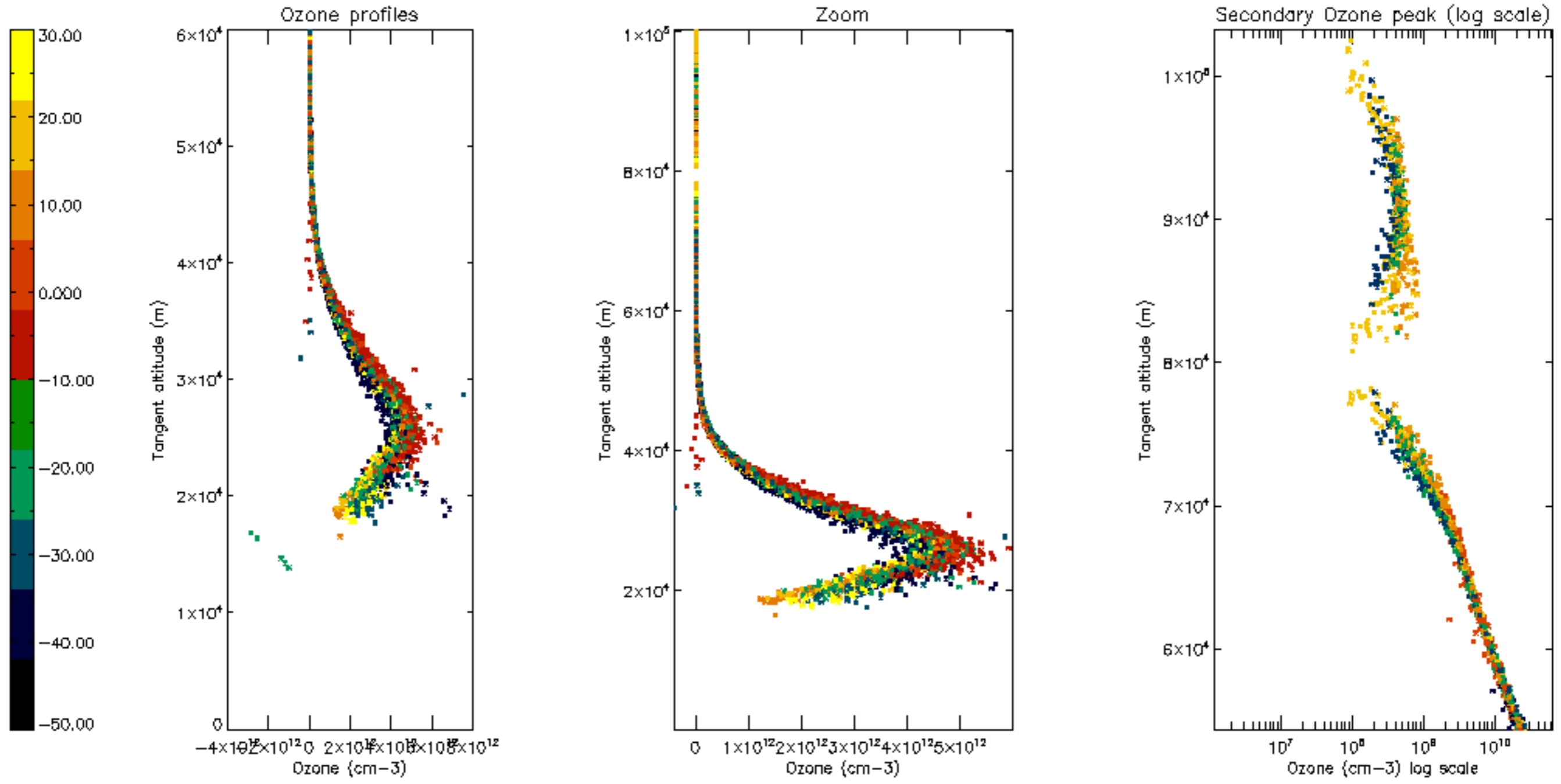


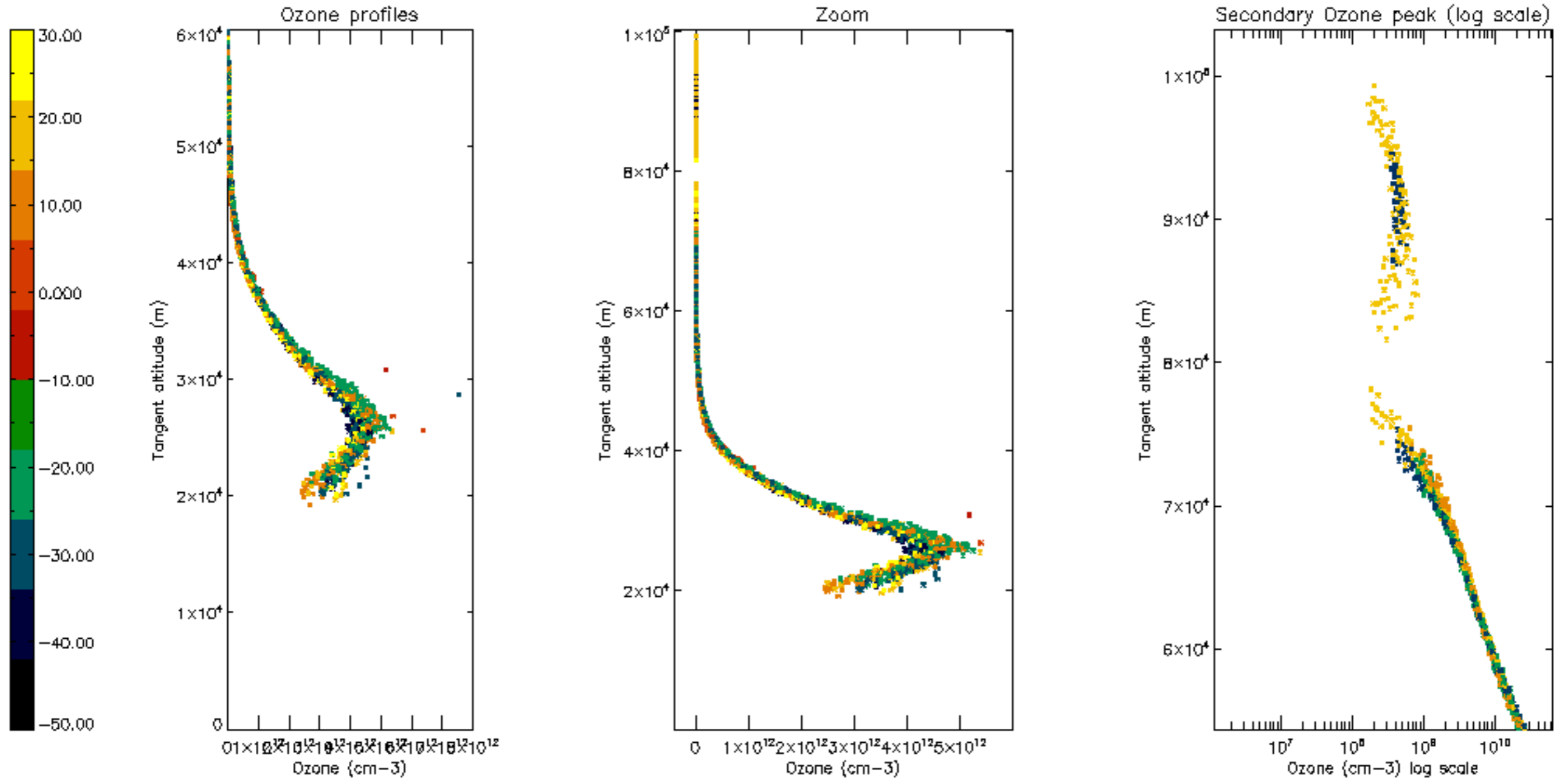
Percentage of saturation errors per profile

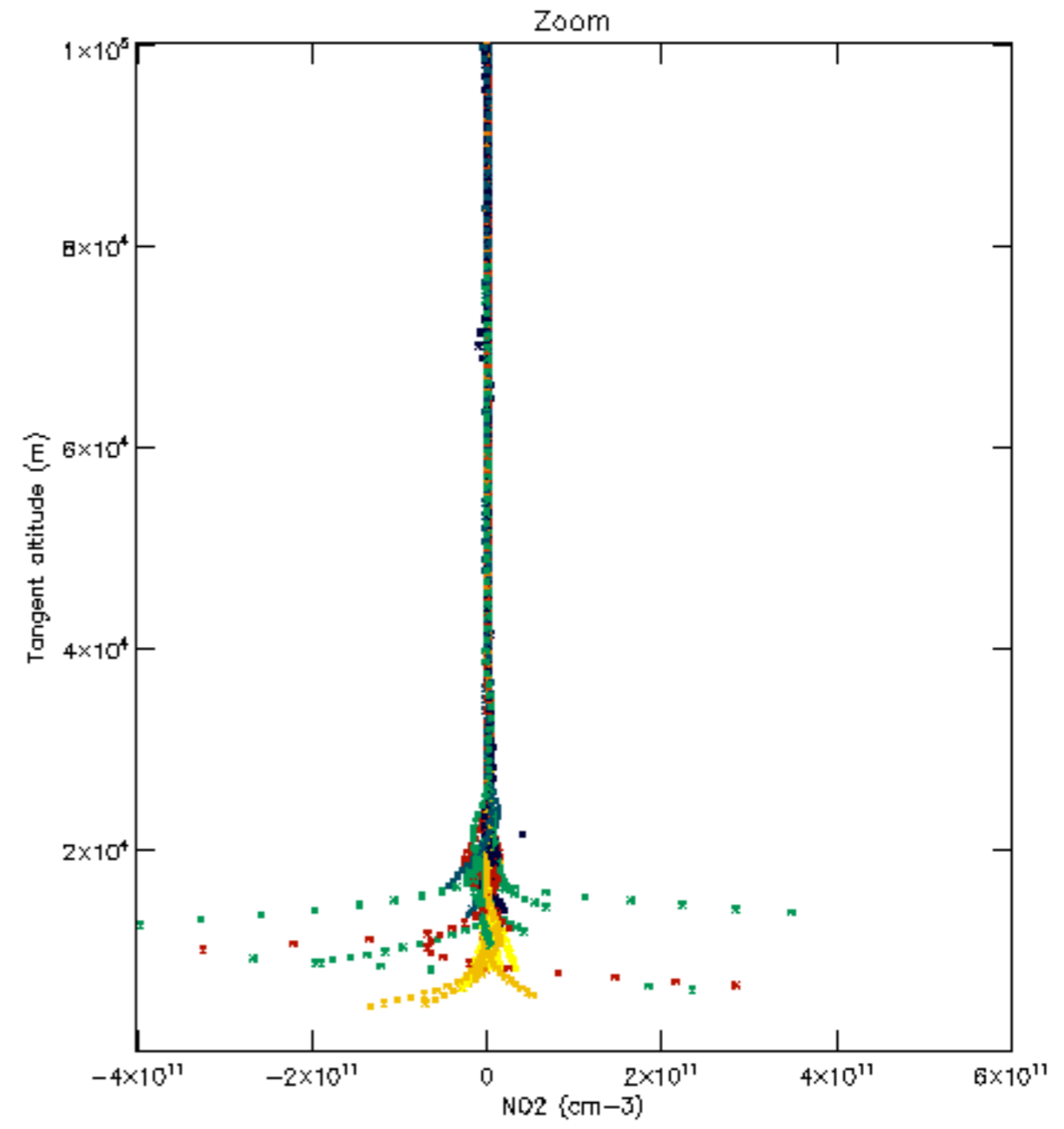
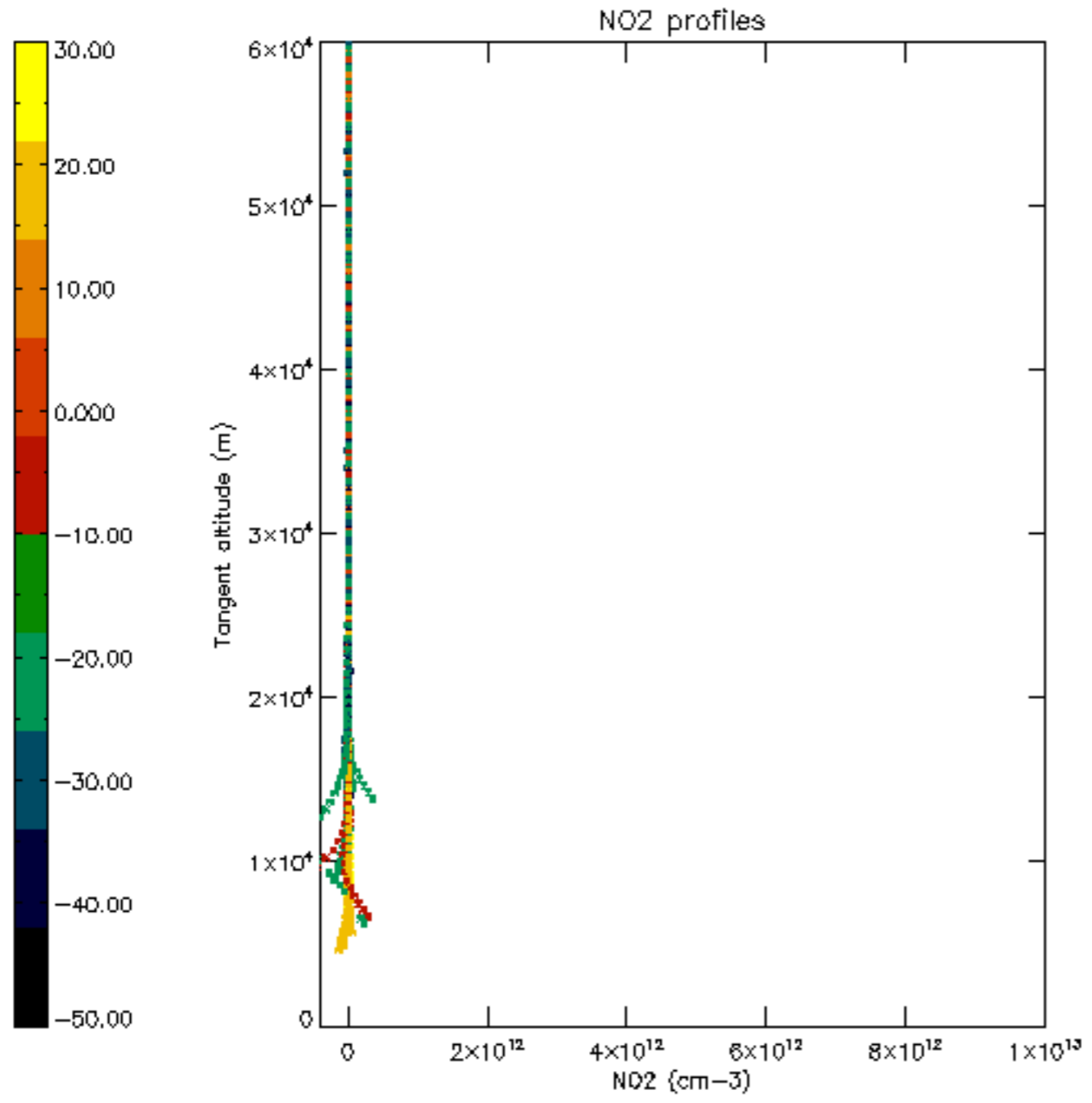


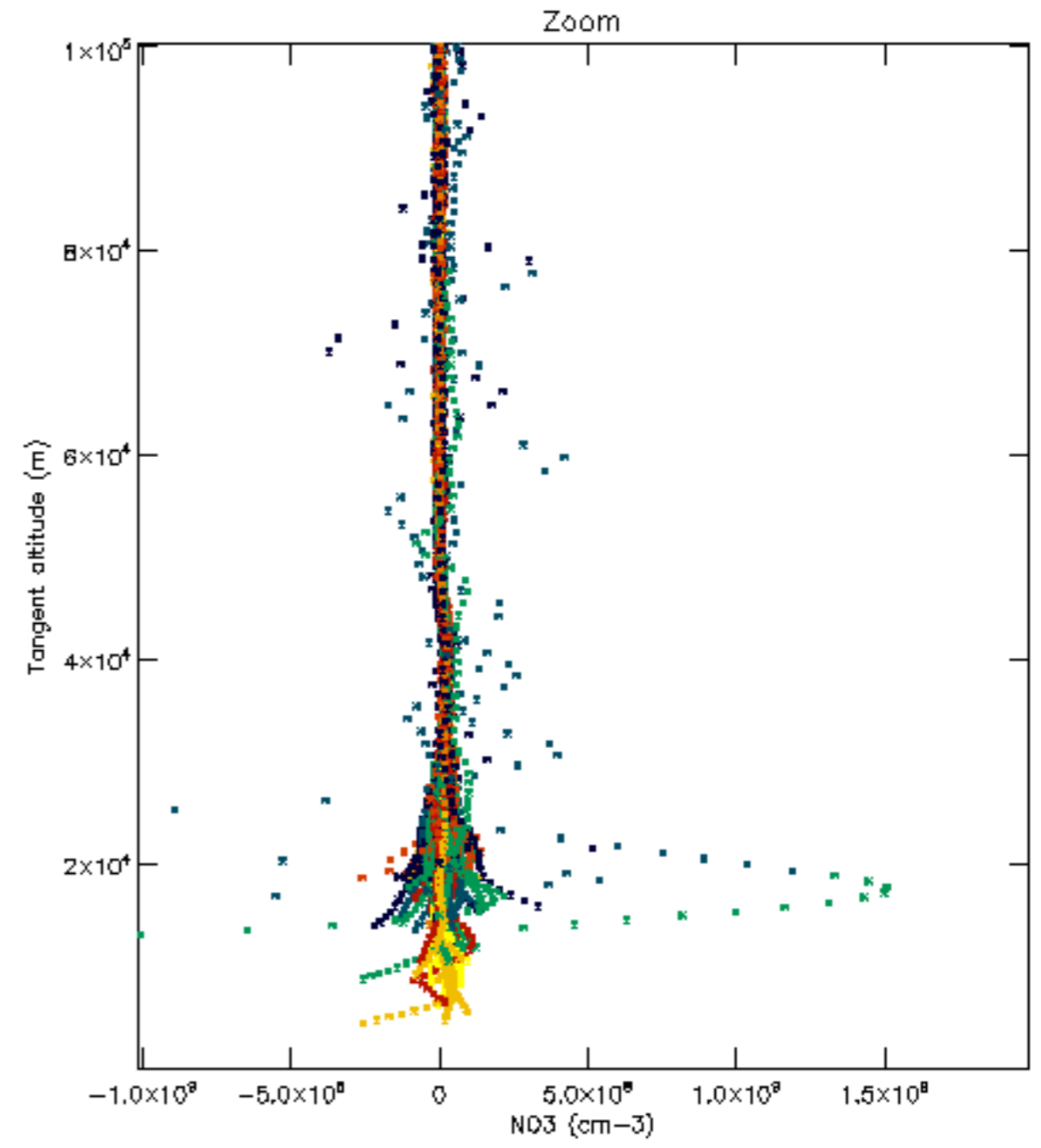
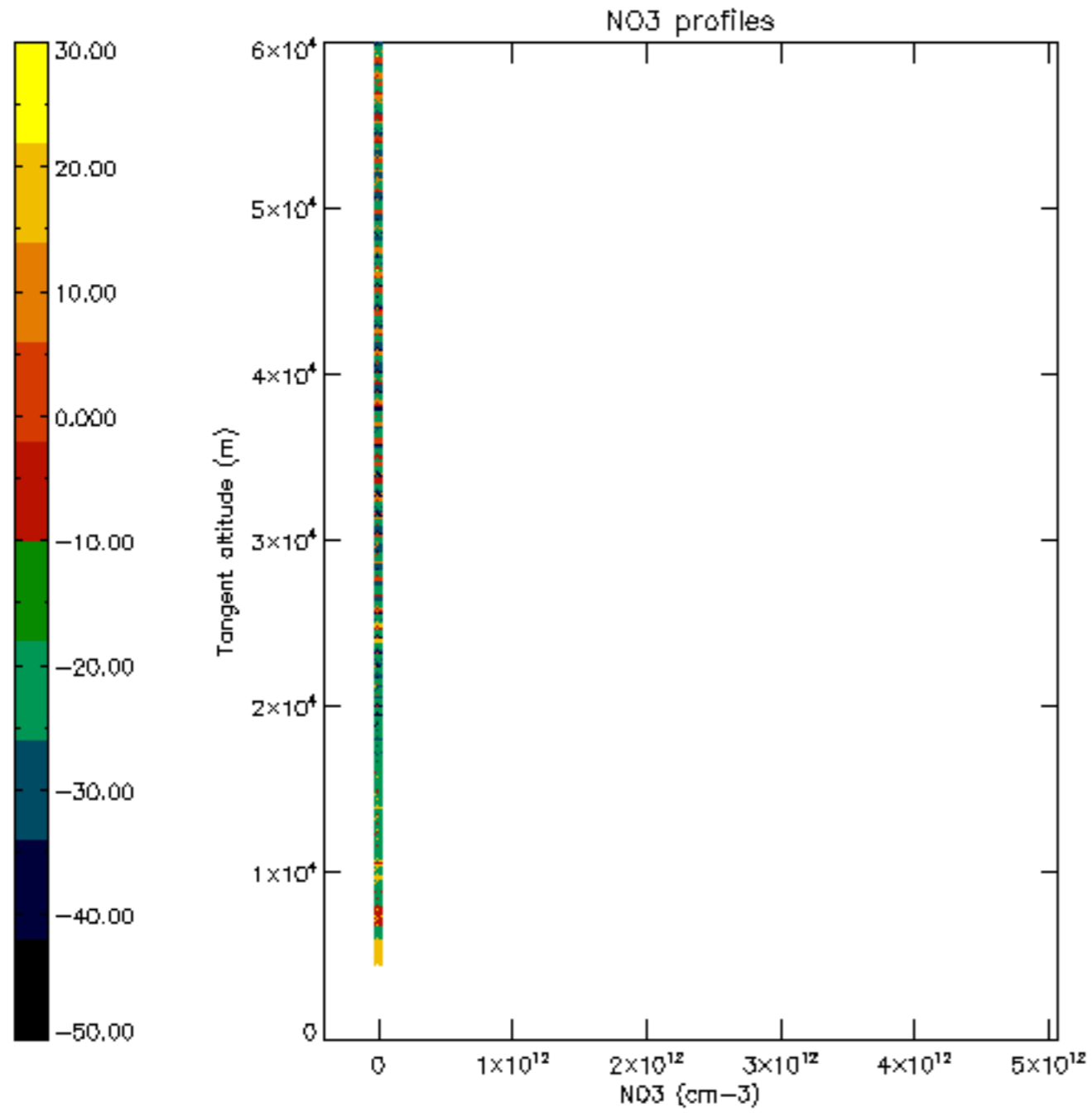


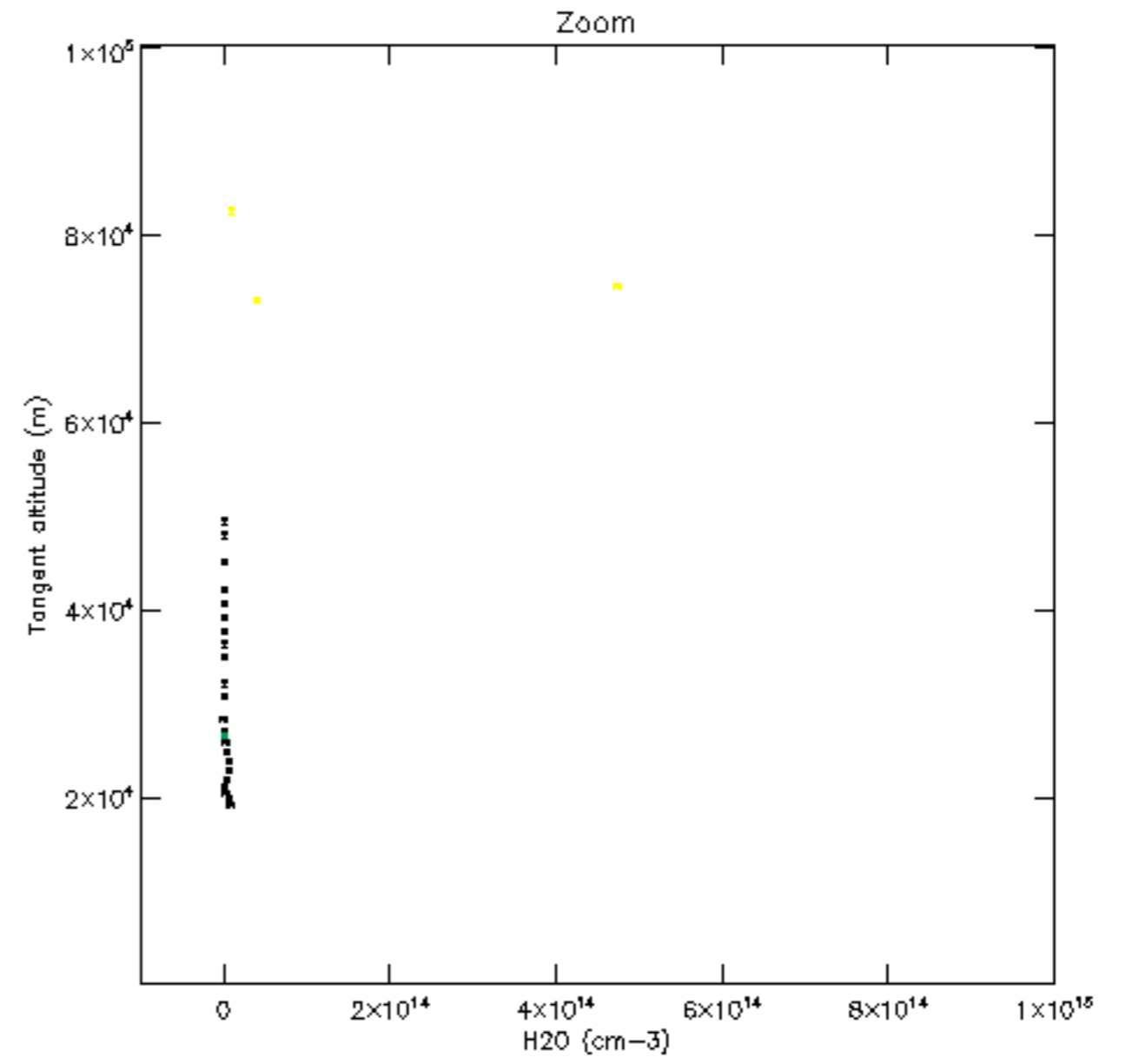
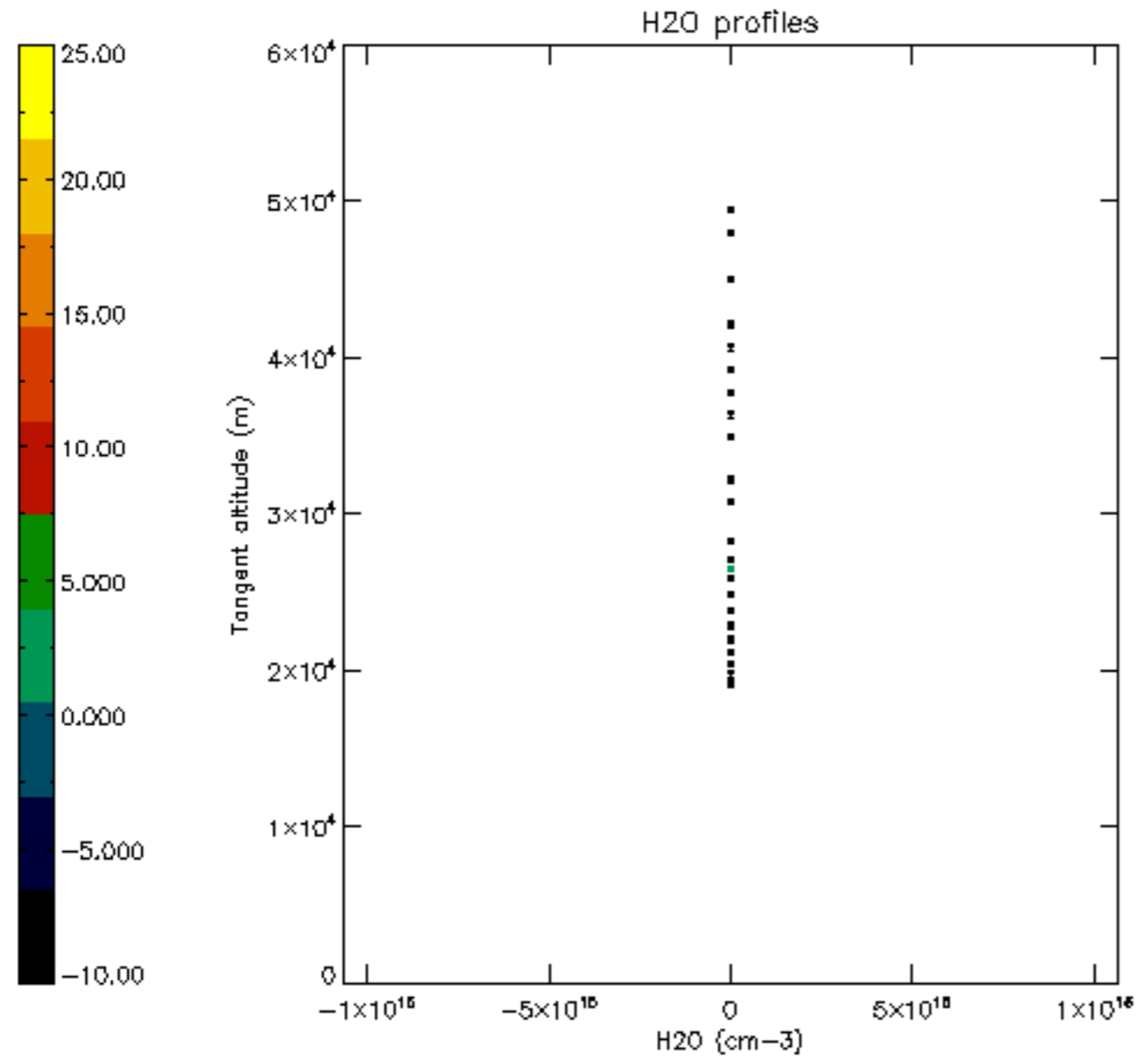


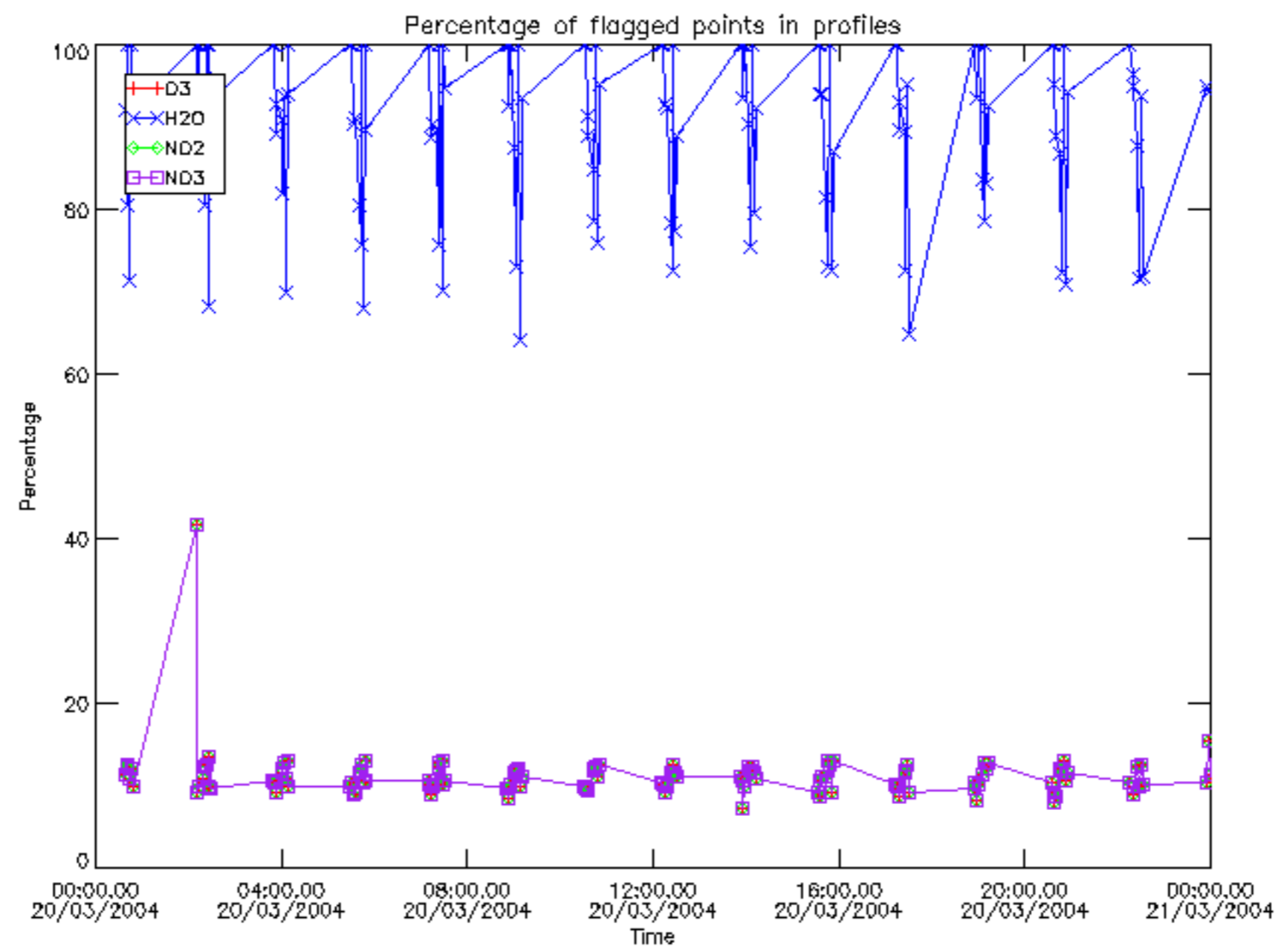




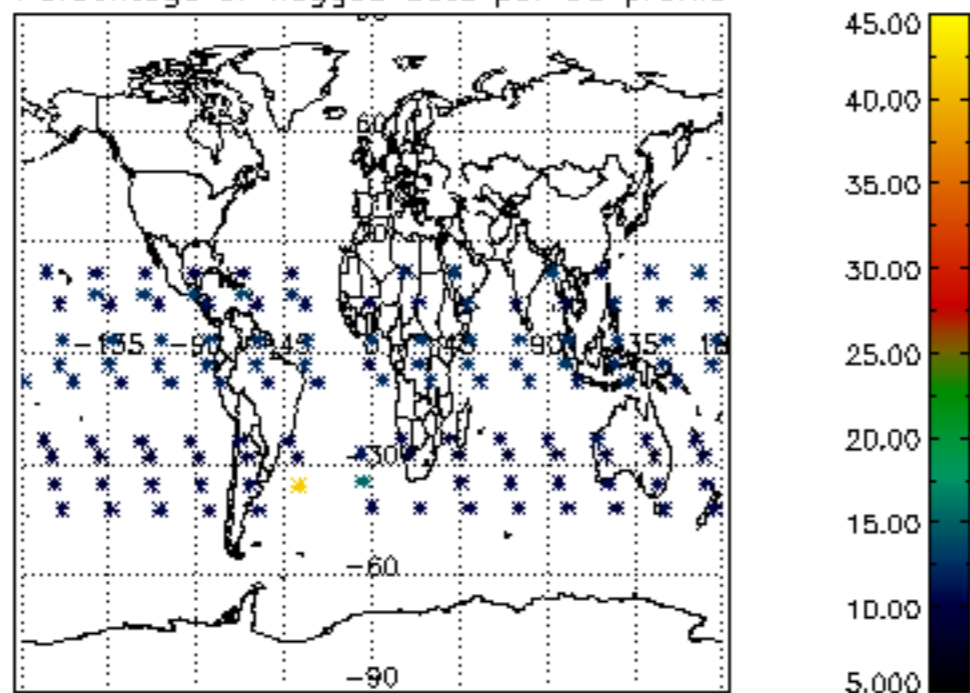




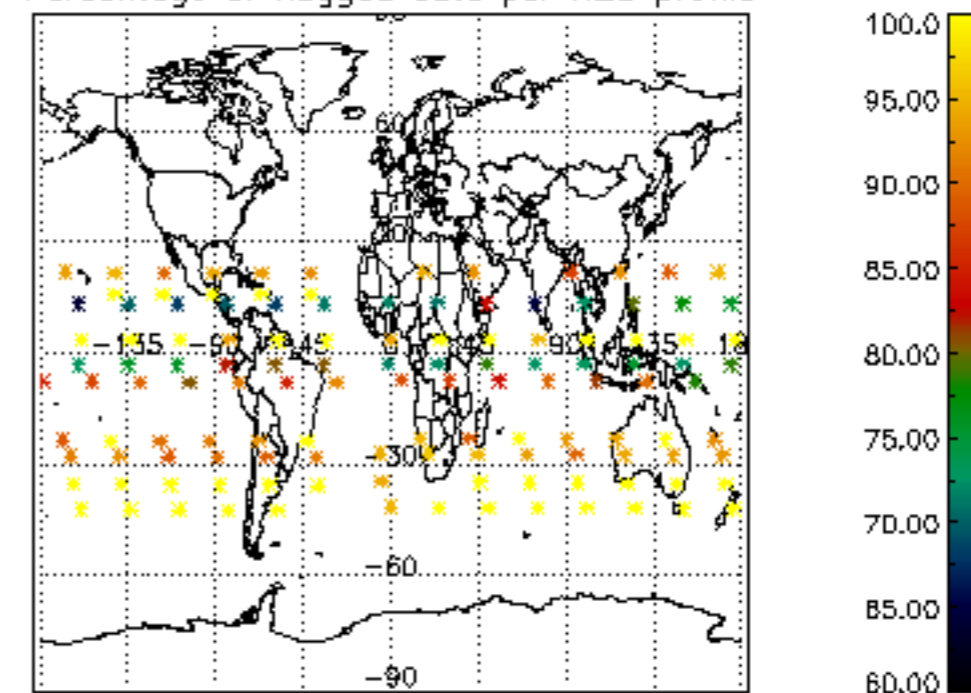




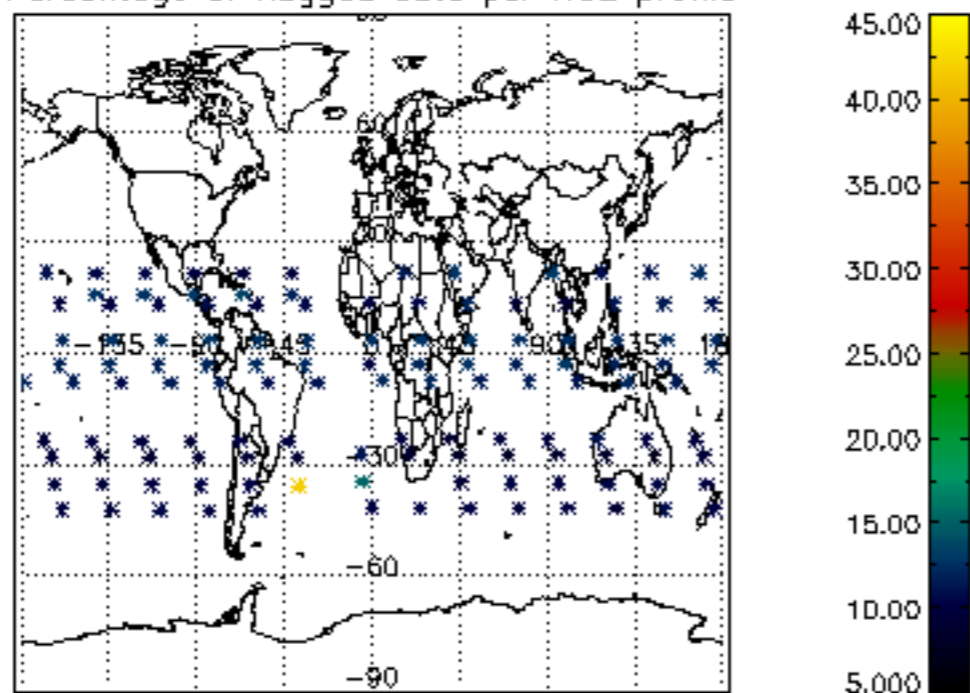
Percentage of flagged data per D3 profile



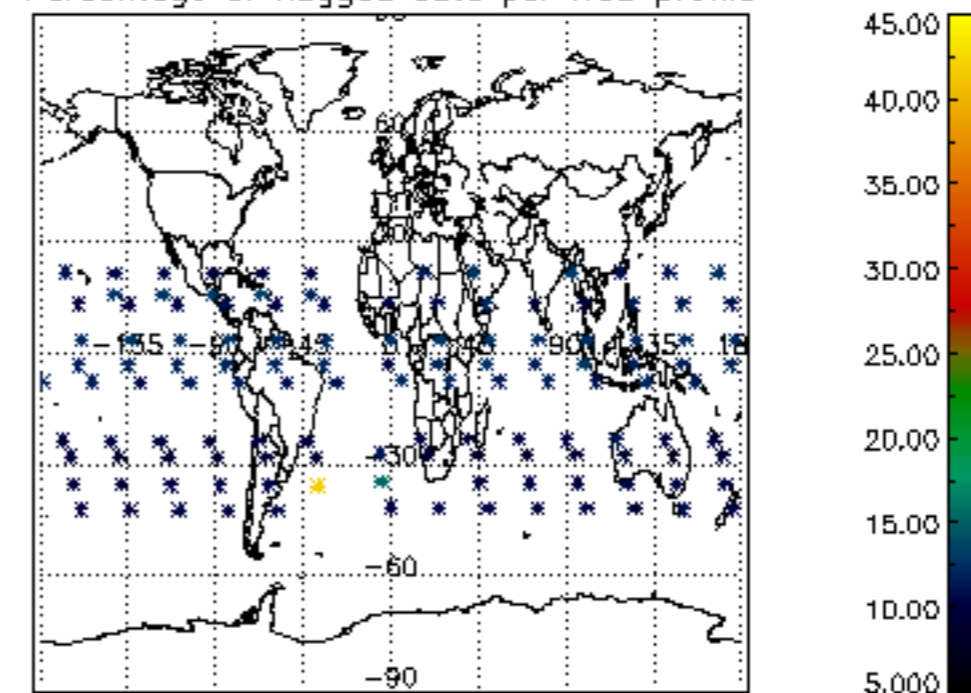
Percentage of flagged data per H2O profile

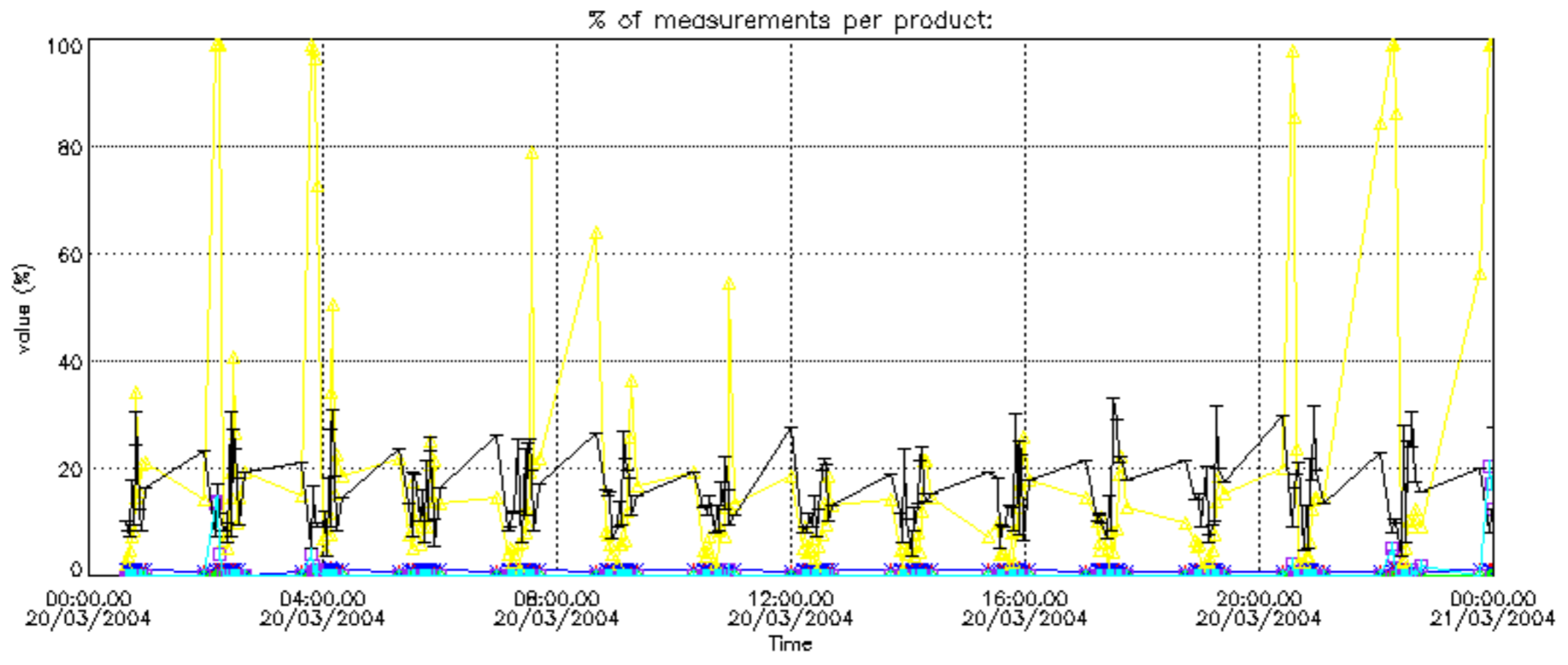


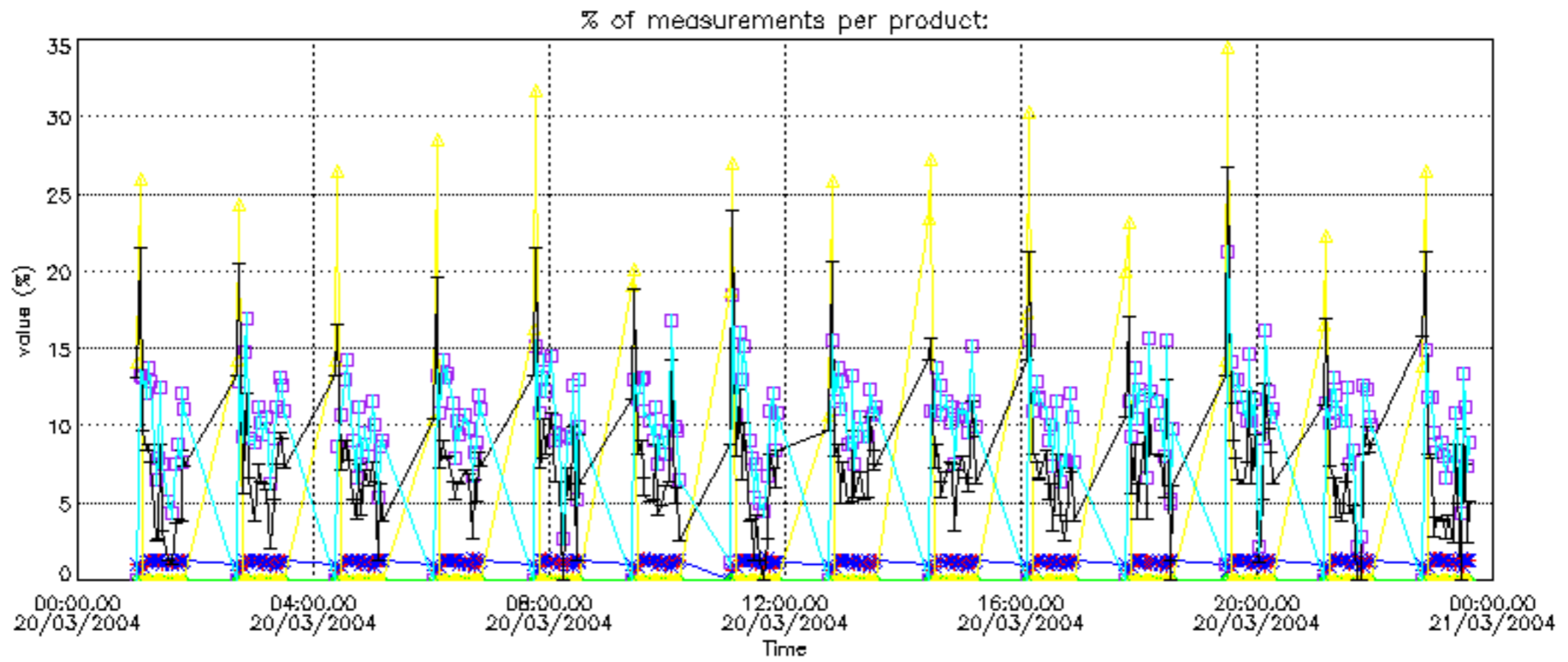
Percentage of flagged data per NO2 profile



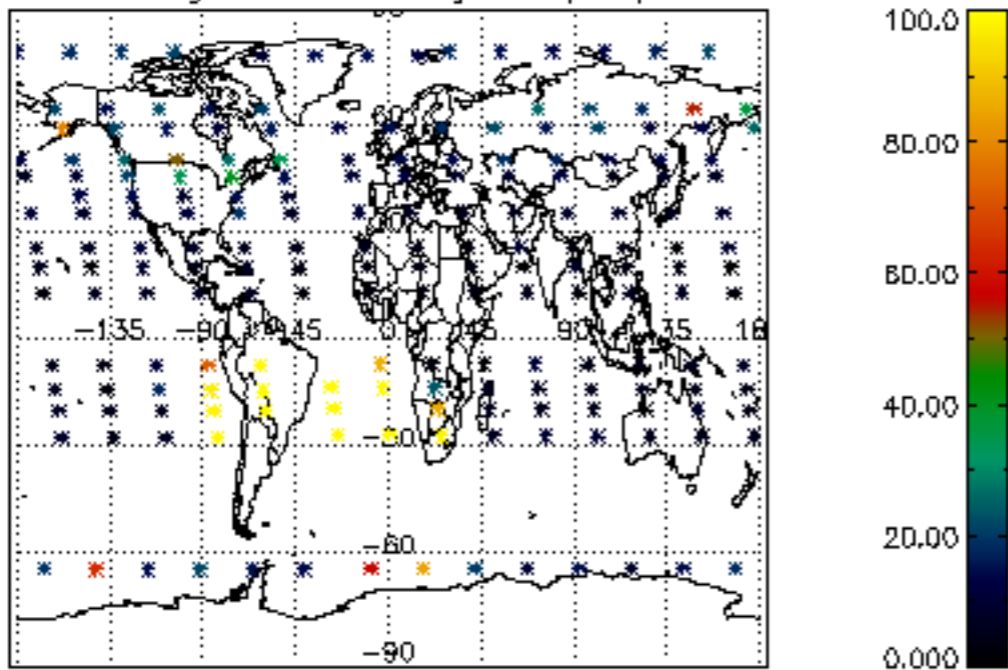
Percentage of flagged data per NO3 profile



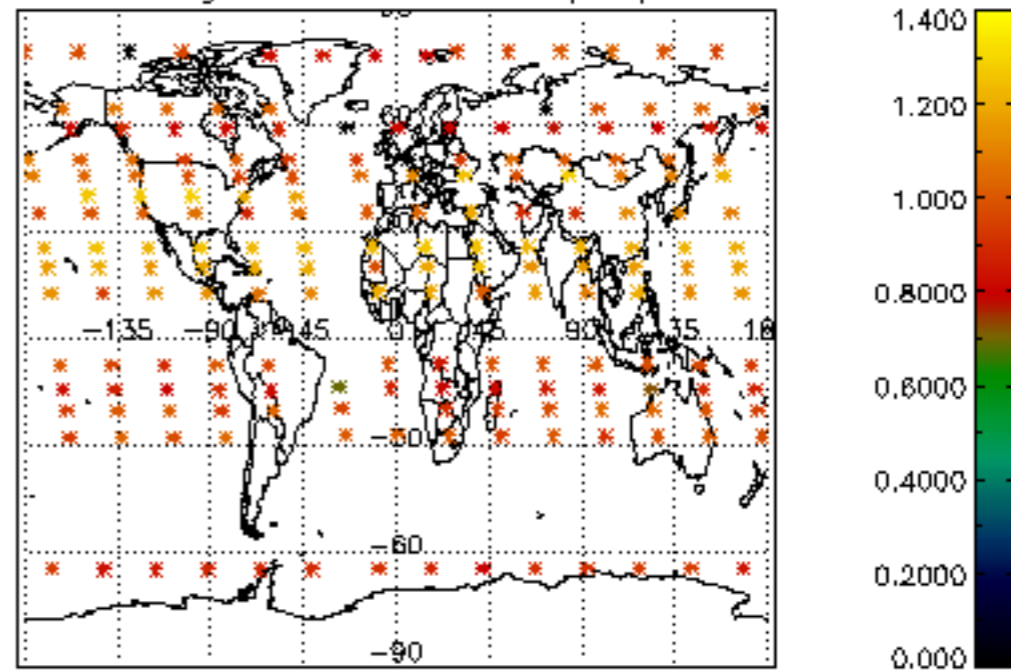




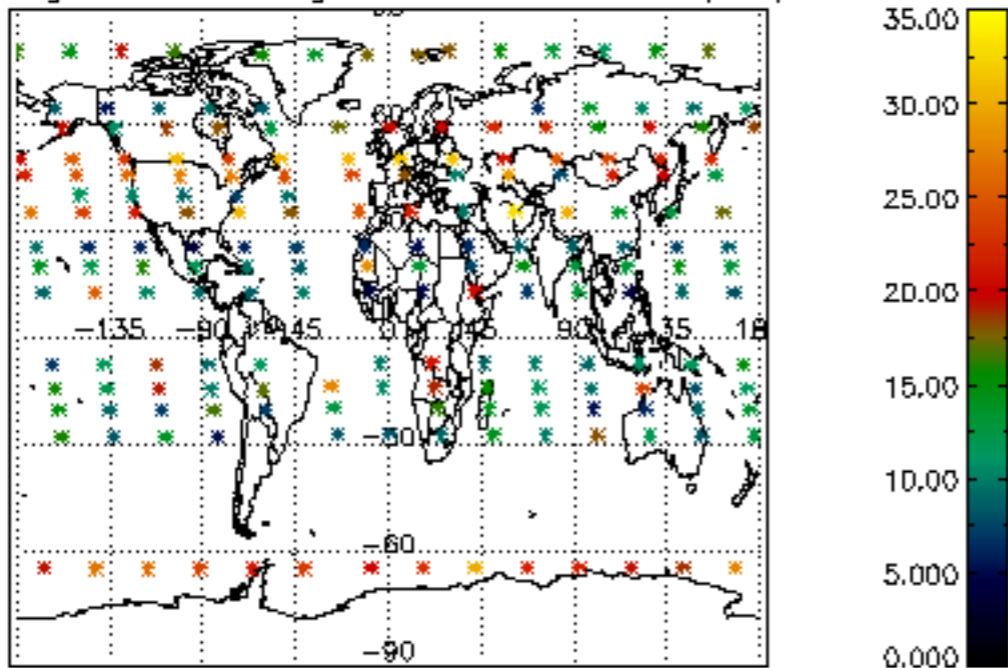
Percentage of cosmic ray hits per profile



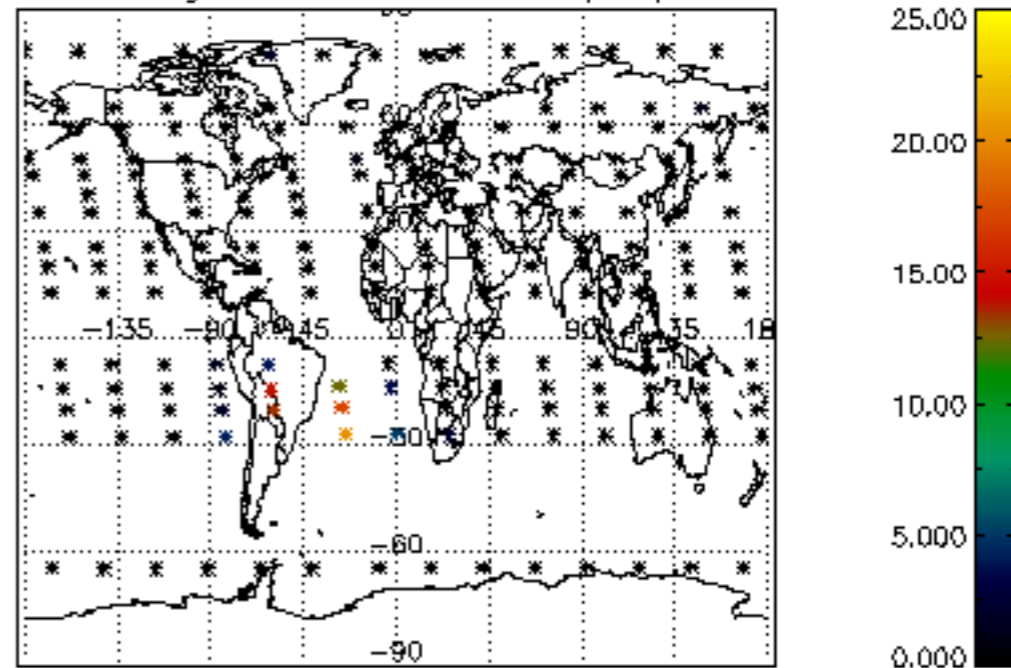
Percentage of datation errors per profile



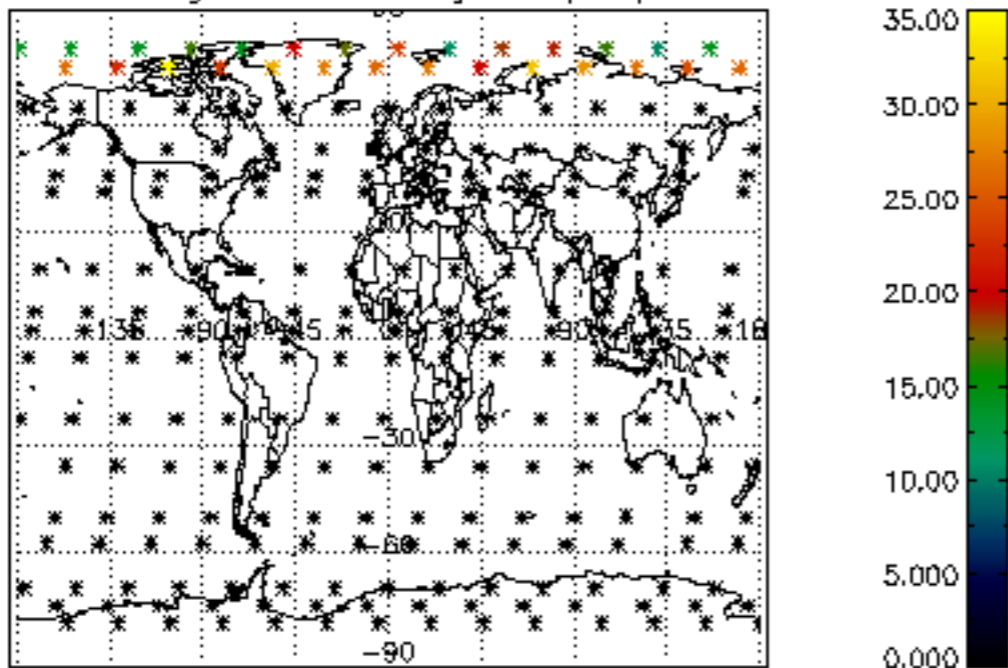
Percentage of star falling outside central band per profile



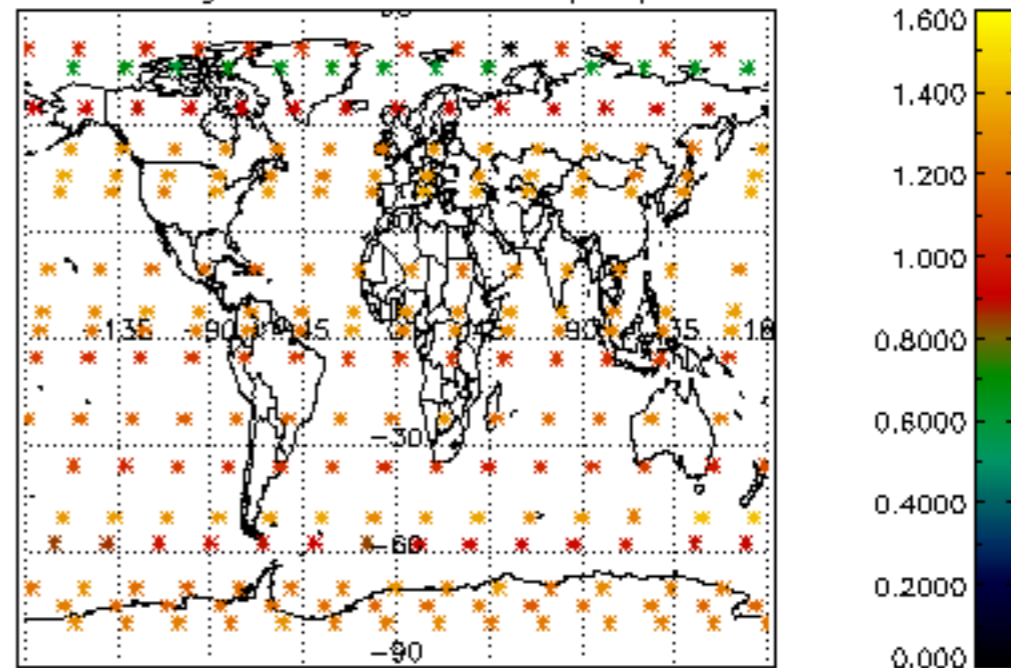
Percentage of saturation errors per profile



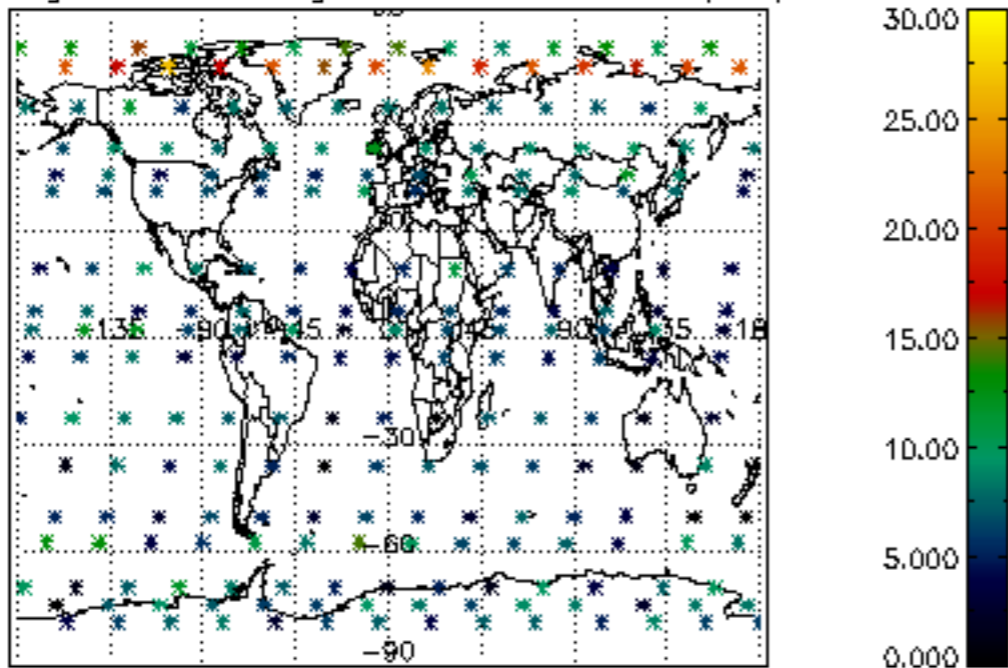
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

