

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	17APR2013 20:50:47
Data source version	GOMOS/6.01
Start time of products	03-12-2002 (03DEC2002 00:00:00)
Stop time of products	04-12-2002 (04DEC2002 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	526
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

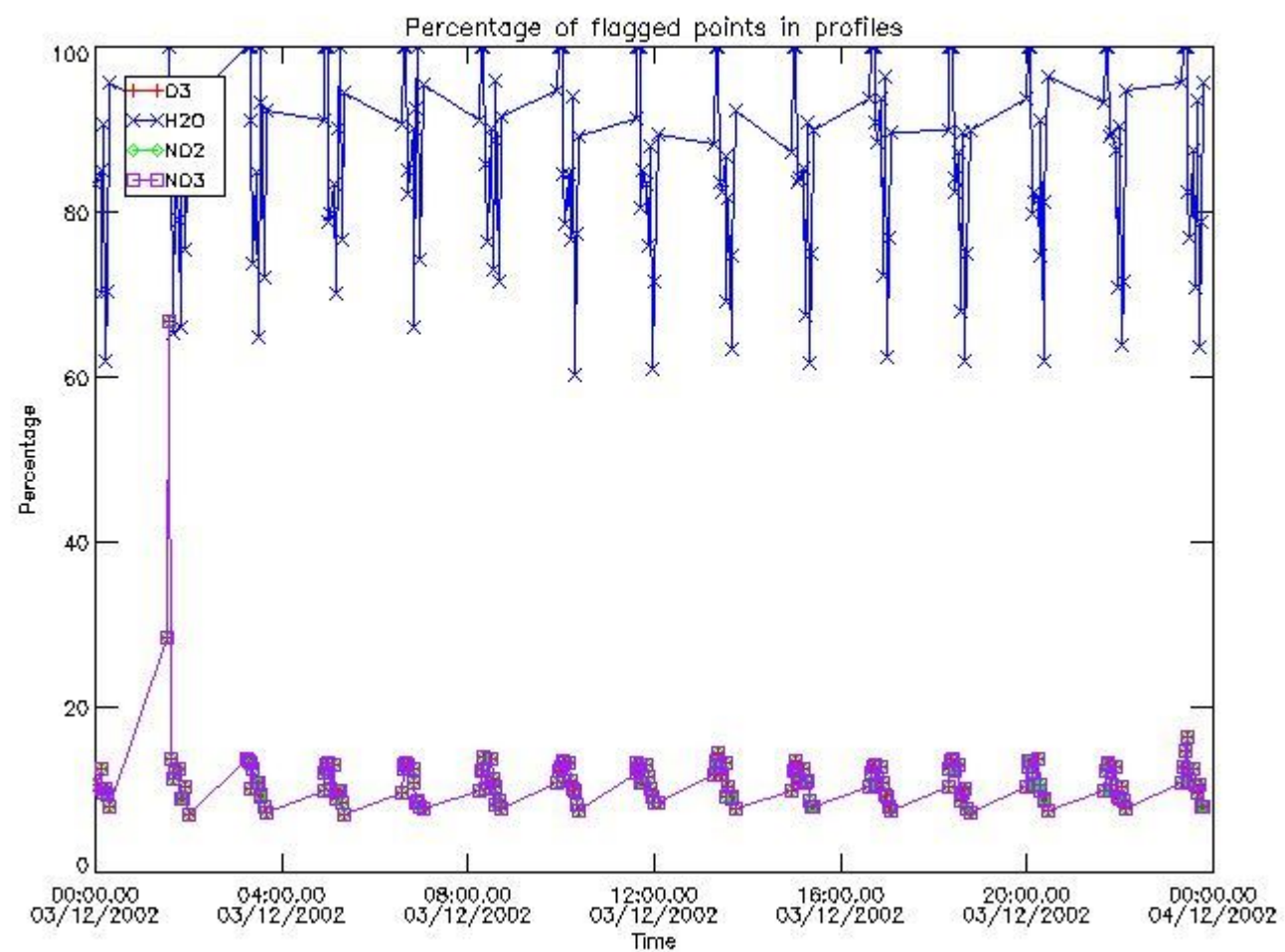
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20021203_000105_000000492011_00403_03964_1911.N1	03-DEC-2002 00:01:05	Dark	48.500	12	Alp1Cru	0.77500	30000.	97	3964	No
2	GOM_NL__2PRFIN20021203_000636_000000412011_00403_03964_1912.N1	03-DEC-2002 00:06:36	Dark	40.500	29	Bet Car	1.6720	10200.	81	3964	No
3	GOM_NL__2PRFIN20021203_000834_000000512011_00403_03964_1913.N1	03-DEC-2002 00:08:34	Dark	50.500	41	Eps Car	1.8600	4100.0	101	3964	No
4	GOM_NL__2PRFIN20021203_001040_000000532011_00403_03964_1914.N1	03-DEC-2002 00:10:40	Dark	53.000	34	Gam2Vel	1.7930	23000.	106	3964	No
5	GOM_NL__2PRFIN20021203_001353_000000512011_00403_03964_1915.N1	03-DEC-2002 00:13:53	Dark	50.500	2	Alp Car	-0.73600	7000.0	101	3964	No
6	GOM_NL__2PRFIN20021203_001554_000000602011_00403_03964_1916.N1	03-DEC-2002 00:15:54	Dark	59.500	117	Pi Pup	2.7060	3800.0	119	3964	No
7	GOM_NL__2PRFIN20021203_001821_000000702011_00403_03964_1917.N1	03-DEC-2002 00:18:21	Dark	69.500	88	31Eta CMa	2.4480	20000.	139	3964	No
8	GOM_NL__2PRFIN20021203_002021_000000752011_00403_03964_1918.N1	03-DEC-2002 00:20:21	Straylight	75.000	37	25Del CMa	1.8300	5900.0	150	3964	No
9	GOM_NL__2PRFIN20021203_002523_000000672011_00403_03964_1919.N1	03-DEC-2002 00:25:23	Straylight	67.000	47	2Bet CMa	1.9760	28000.	134	3964	No
10	GOM_NL__2PRFIN20021203_002756_000000452011_00403_03964_1920.N1	03-DEC-2002 00:27:56	Straylight	45.000	165	34Gam Eri	2.9500	3200.0	90	3964	No
11	GOM_NL__2PRFIN20021203_002924_000000602011_00403_03964_1921.N1	03-DEC-2002 00:29:24	Straylight	60.000	7	19Bet Ori	0.10000	14000.	120	3964	No
12	GOM_NL__2PRFIN20021203_003218_000000622011_00403_03964_1922.N1	03-DEC-2002 00:32:18	Twi_and_stray	62.000	30	46Eps Ori	1.6940	30000.	124	3964	No
13	GOM_NL__2PRFIN20021203_003458_000000632011_00403_03964_1923.N1	03-DEC-2002 00:34:58	Twi_and_stray	63.000	27	24Gam Ori	1.6360	26000.	126	3964	No
14	GOM_NL__2PRFIN20021203_003718_000000602011_00403_03964_1924.N1	03-DEC-2002 00:37:18	Bright	60.000	13	87Alp Tau	0.86700	3800.0	120	3964	No
15	GOM_NL__2PRFIN20021203_003859_000000392011_00403_03964_1925.N1	03-DEC-2002 00:38:59	Bright	38.500	146	25Eta Tau	2.8730	15200.	77	3964	No
16	GOM_NL__2PRFIN20021203_004117_000000422011_00403_03964_1926.N1	03-DEC-2002 00:41:17	Bright	41.500	150	44Zet Per	2.8900	28000.	83	3964	No
17	GOM_NL__2PRFIN20021203_004338_000000392011_00403_03964_1927.N1	03-DEC-2002 00:43:38	Bright	38.500	79	26Bet Per	2.3100	13100.	77	3964	No
18	GOM_NL__2PRFIN20021203_004546_000000392011_00403_03964_1928.N1	03-DEC-2002 00:45:46	Bright	38.500	175	39Del Per	3.0100	19400.	77	3964	No
19	GOM_NL__2PRFIN20021203_004711_000000382011_00403_03964_1929.N1	03-DEC-2002 00:47:11	Bright	37.500	160	23Gam Per	2.9300	4700.0	75	3964	No
20	GOM_NL__2PRFIN20021203_004938_000000362011_00403_03964_1930.N1	03-DEC-2002 00:49:38	Bright	36.000	110	37Del Cas	2.6780	8900.0	72	3964	No
21	GOM_NL__2PRFIN20021203_005714_000000402011_00403_03964_1931.N1	03-DEC-2002 00:57:14	Bright	39.500	49	1Alp UMi	1.9900	6300.0	79	3964	No
22	GOM_NL__2PRFIN20021203_010156_000000392011_00403_03964_1932.N1	03-DEC-2002 01:01:56	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	3964	No
23	GOM_NL__2PRFIN20021203_010343_000000482011_00403_03964_1933.N1	03-DEC-2002 01:03:43	Bright	48.000	36	50Alp UMa	1.8000	6300.0	96	3964	No
24	GOM_NL__2PRFIN20021203_010521_000000492011_00403_03964_1934.N1	03-DEC-2002 01:05:21	Bright	48.500	82	48Bet UMa	2.3650	10600.	97	3964	No
25	GOM_NL__2PRFIN20021203_010703_000000442011_00403_03964_1935.N1	03-DEC-2002 01:07:03	Bright	44.000	32	77Eps UMa	1.7630	11000.	88	3964	No
26	GOM_NL__2PRFIN20021203_010911_000000422011_00403_03964_1936.N1	03-DEC-2002 01:09:11	Bright	42.000	39	85Eta UMa	1.8540	24000.	84	3964	No
27	GOM_NL__2PRFIN20021203_011210_000000362011_00403_03964_1937.N1	03-DEC-2002 01:12:10	Bright	36.000	180	27Gam Boo	3.0400	8000.0	72	3964	No
28	GOM_NL__2PRFIN20021203_011511_000000372011_00403_03964_1938.N1	03-DEC-2002 01:15:11	Bright	37.000	83		2.3780	11000.	74	3964	No
29	GOM_NL__2PRFIN20021203_011743_000000382011_00403_03964_1939.N1	03-DEC-2002 01:17:43	Bright	37.500	3	16Alp Boo	-0.050000	4250.0	75	3964	No
30	GOM_NL__2PRFIN20021203_012138_000000812011_00403_03964_1940.N1	03-DEC-2002 01:21:38	Bright	80.500	96	68Del Leo	2.5600	9300.0	161	3964	No
31	GOM_NL__2PRFIN20021203_012548_000000482011_00403_03964_1941.N1	03-DEC-2002 01:25:48	Bright	47.500	121	29Gam Vir	2.7400	7200.0	95	3964	No
32	GOM_NL__2PRFIN20021203_013035_000000512011_00403_03964_1942.N1	03-DEC-2002 01:30:35	Twi_and_stray	51.000	163	7Del Crv	2.9450	11000.	102	3964	No
33	GOM_NL__2PRFIN20021203_013213_000000502011_00403_03964_1943.N1	03-DEC-2002 01:32:13	Dark	50.000	106	9Bet Crv	2.6480	5600.0	100	3964	No
34	GOM_NL__2PRFIN20021203_013405_000000412011_00403_03964_1944.N1	03-DEC-2002 01:34:05	Dark	41.000	123	Iot Cen	2.7500	10200.	82	3964	No
35	GOM_NL__2PRFIN20021203_013613_000000412011_00403_03964_1945.N1	03-DEC-2002 01:36:13	Dark	40.500	95	Zet Cen	2.5450	26000.	81	3964	No
36	GOM_NL__2PRFIN20021203_014015_000000452011_00403_03964_1946.N1	03-DEC-2002 01:40:15	Dark	45.000	26	Gam Cru	1.6240	2900.0	90	3964	No
37	GOM_NL__2PRFIN20021203_014141_000000432011_00404_03965_9775.N1	03-DEC-2002 01:41:41	Dark	42.500	12	Alp1Cru	0.77500	30000.	85	3965	No
38	GOM_NL__2PRFIN20021203_014712_000000412011_00404_03965_9776.N1	03-DEC-2002 01:47:12	Dark	41.000	29	Bet Car	1.6720	10200.	82	3965	No
39	GOM_NL__2PRFIN20021203_014910_000000572011_00404_03965_9777.N1	03-DEC-2002 01:49:10	Dark	56.500	41	Eps Car	1.8600	4100.0	113	3965	No
40	GOM_NL__2PRFIN20021203_015117_000000572011_00404_03965_9778.N1	03-DEC-2002 01:51:17	Dark	57.000	34	Gam2Vel	1.7930	23000.	114	3965	No
41	GOM_NL__2PRFIN20021203_015308_000000572011_00404_03965_9779.N1	03-DEC-2002 01:53:08	Dark	57.000	70	Zet Pup	2.2460	39000.	114	3965	No
42	GOM_NL__2PRFIN20021203_015631_000000602011_00404_03965_9780.N1	03-DEC-2002 01:56:31	Dark	59.500	117	Pi Pup	2.7060	3800.0	119	3965	No

515	GOM_NL__2PRFIN20021203_232555_000000382011_00416_03977_1964.N1	03-DEC-2002 23:25:55	Dark	37.500	77	Eps Cen	2.3030	28000.	75	3977	No
516	GOM_NL__2PRFIN20021203_232728_000000412011_00416_03977_1965.N1	03-DEC-2002 23:27:28	Dark	40.500	10	Bet Cen	0.61000	28000.	81	3977	No
517	GOM_NL__2PRFIN20021203_232932_000000462011_00417_03978_2061.N1	03-DEC-2002 23:29:32	Dark	46.000	12	Alp1Cru	0.77500	30000.	92	3978	No
518	GOM_NL__2PRFIN20021203_233505_000000412011_00417_03978_2062.N1	03-DEC-2002 23:35:05	Dark	40.500	29	Bet Car	1.6720	10200.	81	3978	No
519	GOM_NL__2PRFIN20021203_233706_000000492011_00417_03978_2063.N1	03-DEC-2002 23:37:06	Dark	48.500	41	Eps Car	1.8600	4100.0	97	3978	No
520	GOM_NL__2PRFIN20021203_233916_000000542011_00417_03978_2064.N1	03-DEC-2002 23:39:16	Dark	53.500	34	Gam2Vel	1.7930	23000.	107	3978	No
521	GOM_NL__2PRFIN20021203_234224_000000492011_00417_03978_2065.N1	03-DEC-2002 23:42:24	Dark	48.500	2	Alp Car	-0.73600	7000.0	97	3978	No
522	GOM_NL__2PRFIN20021203_234428_000000642011_00417_03978_2066.N1	03-DEC-2002 23:44:28	Dark	64.000	117	Pi Pup	2.7060	3800.0	128	3978	No
523	GOM_NL__2PRFIN20021203_234810_000000702011_00417_03978_2067.N1	03-DEC-2002 23:48:10	Dark	69.500	23	21Eps CMa	1.5020	26000.	139	3978	No
524	GOM_NL__2PRFIN20021203_235015_000000662011_00417_03978_2068.N1	03-DEC-2002 23:50:15	Straylight	66.000	179	24Omi2CMa	3.0320	24000.	132	3978	No
525	GOM_NL__2PRFIN20021203_235348_000000602011_00417_03978_2069.N1	03-DEC-2002 23:53:48	Straylight	60.000	47	2Bet CMa	1.9760	28000.	120	3978	No
526	GOM_NL__2PRFIN20021203_235722_000000612011_00417_03978_2070.N1	03-DEC-2002 23:57:22	Straylight	60.500	56	53Kap Ori	2.0650	30000.	121	3978	No

3. Quality information per product

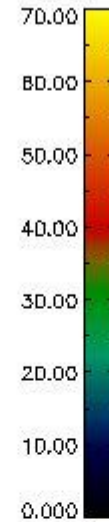
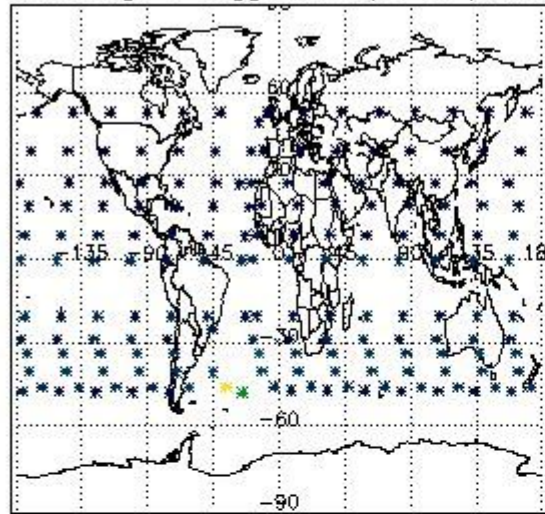
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

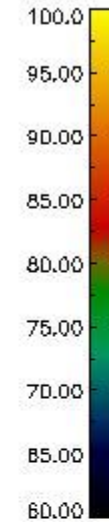
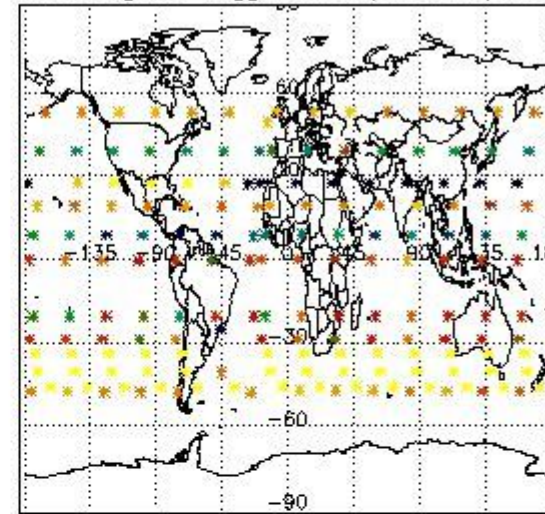


3.2 Plot quality information per product (world map)

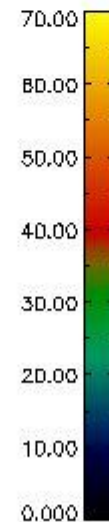
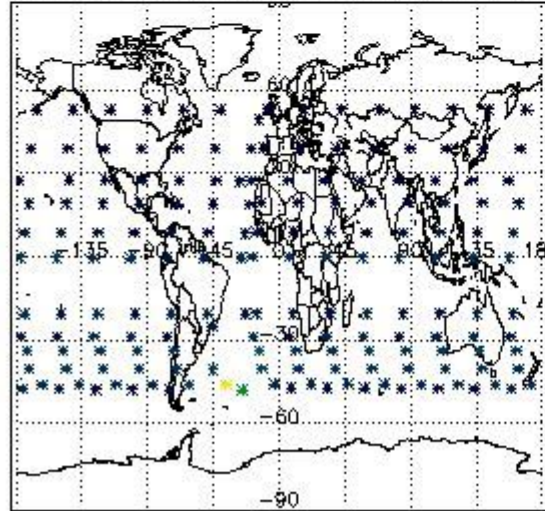
Percentage of flagged data per O3 profile



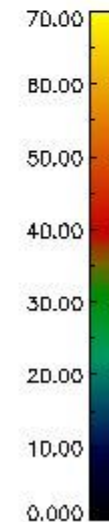
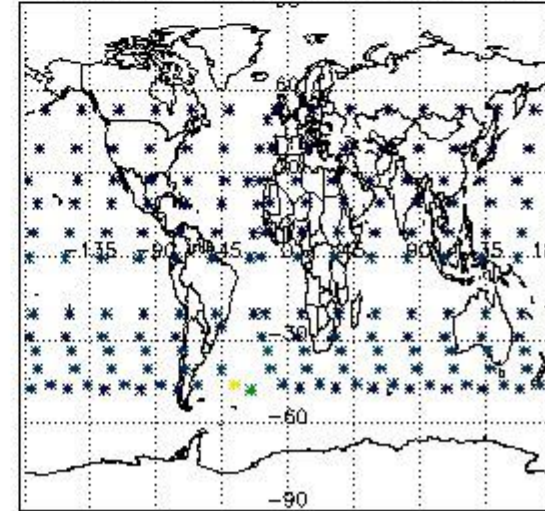
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

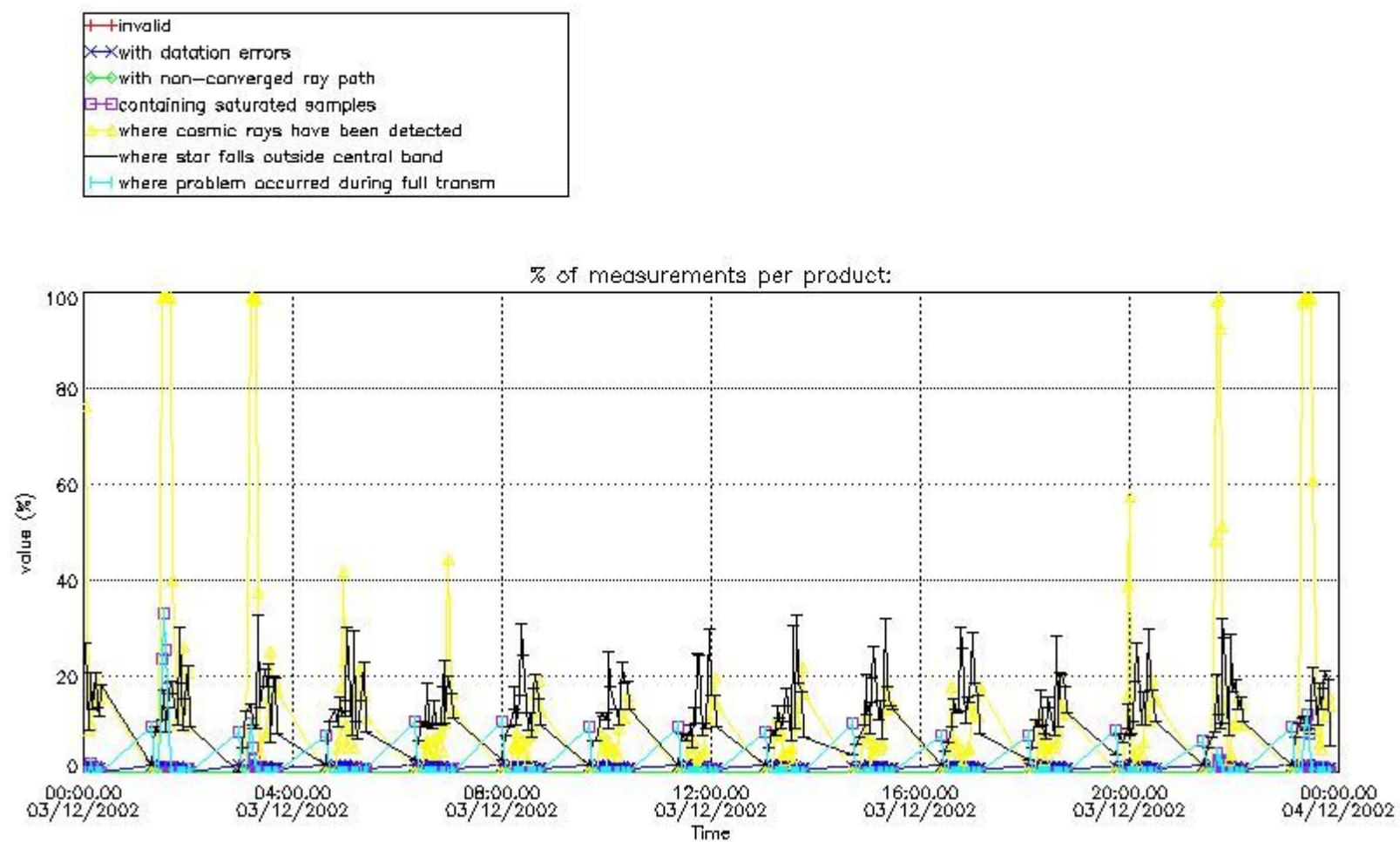


4. Level 1 quality information per product

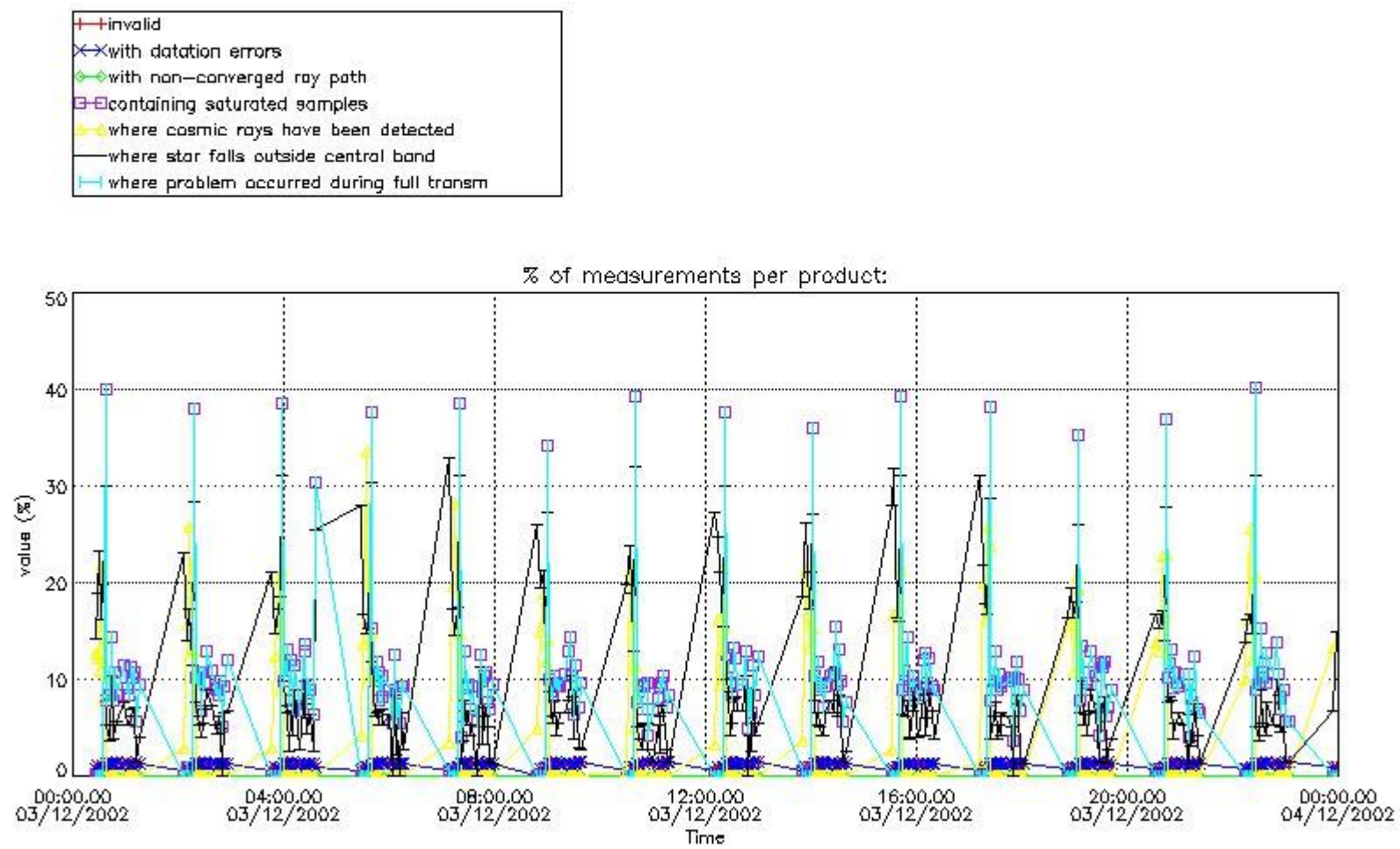
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



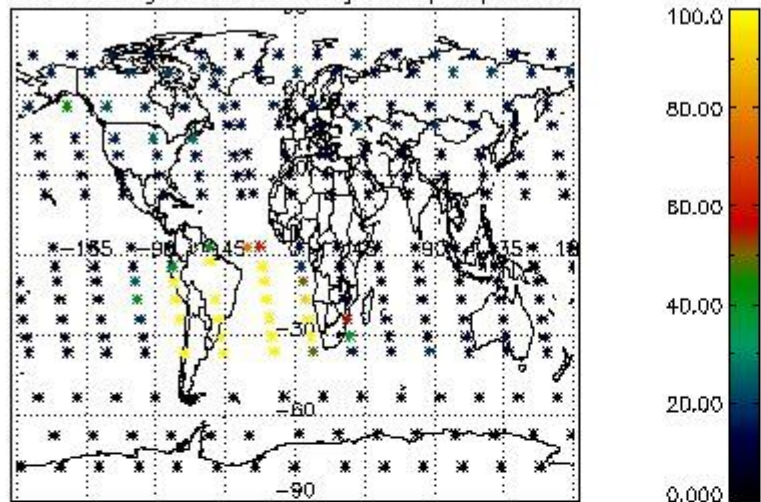
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



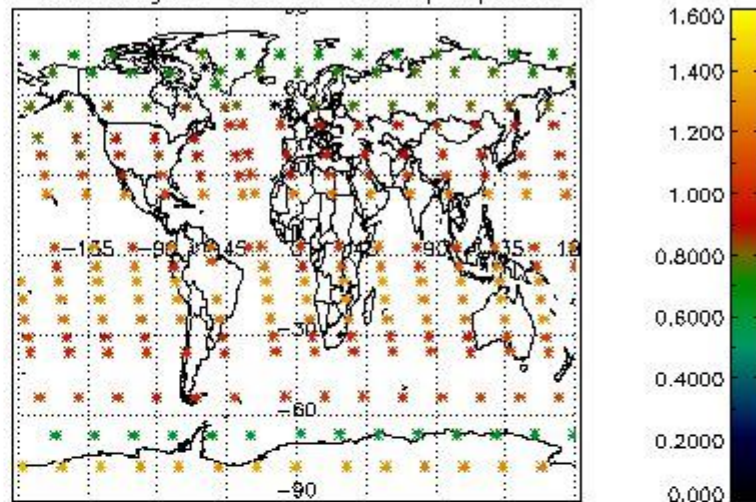
4.2 Plot quality information per product coming from level 1b processing (world map)

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

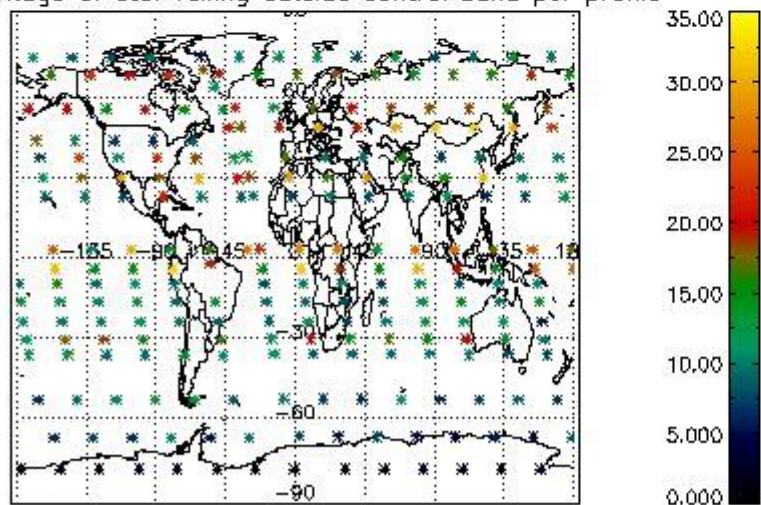
Percentage of cosmic ray hits per profile



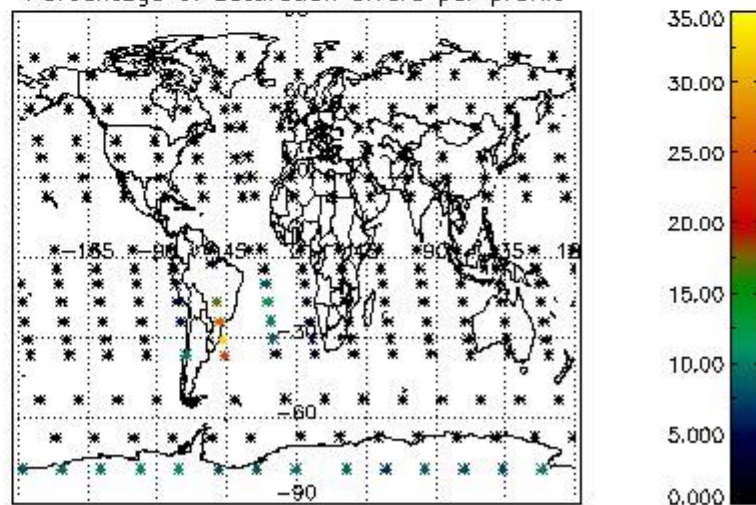
Percentage of datation errors per profile



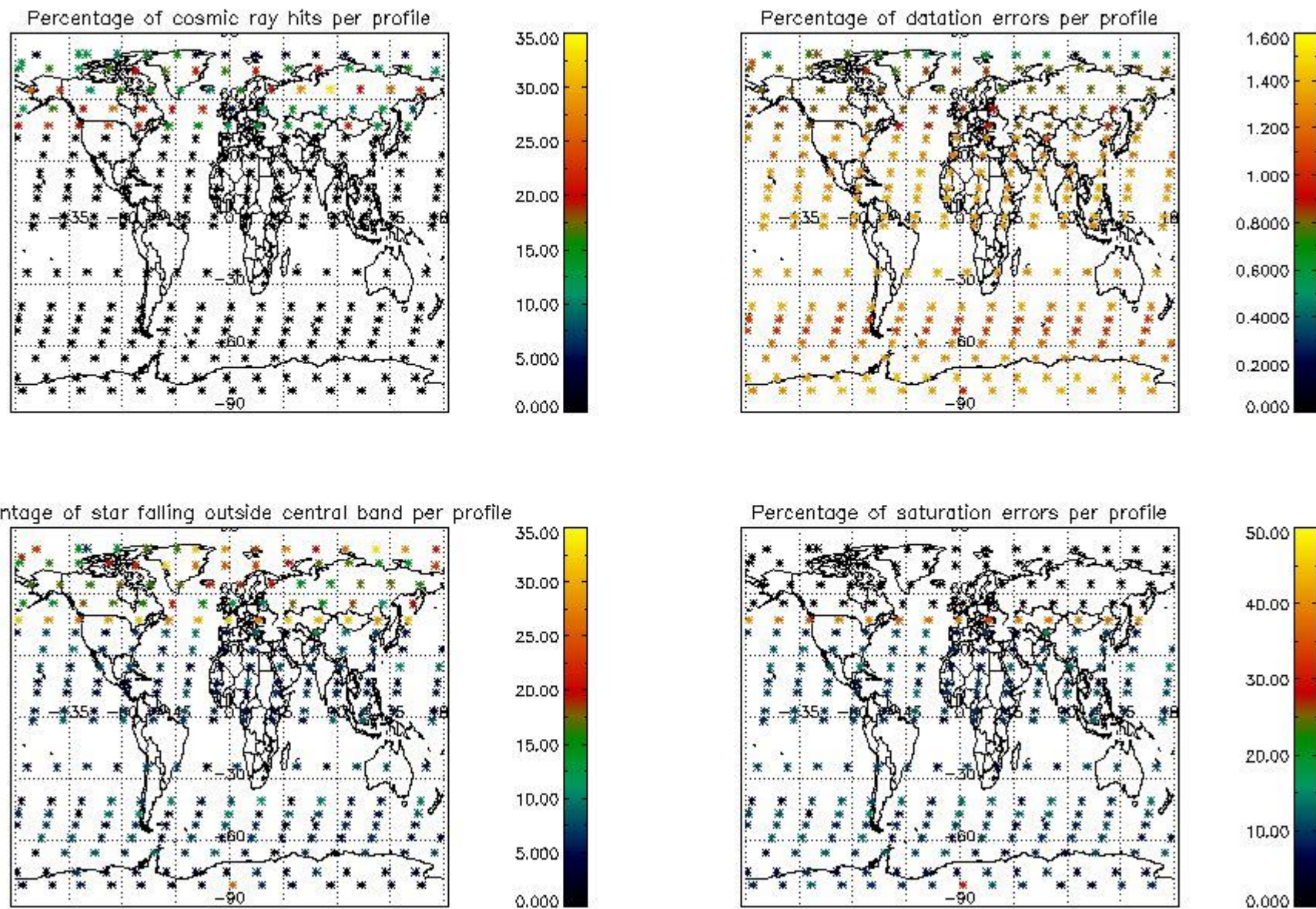
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

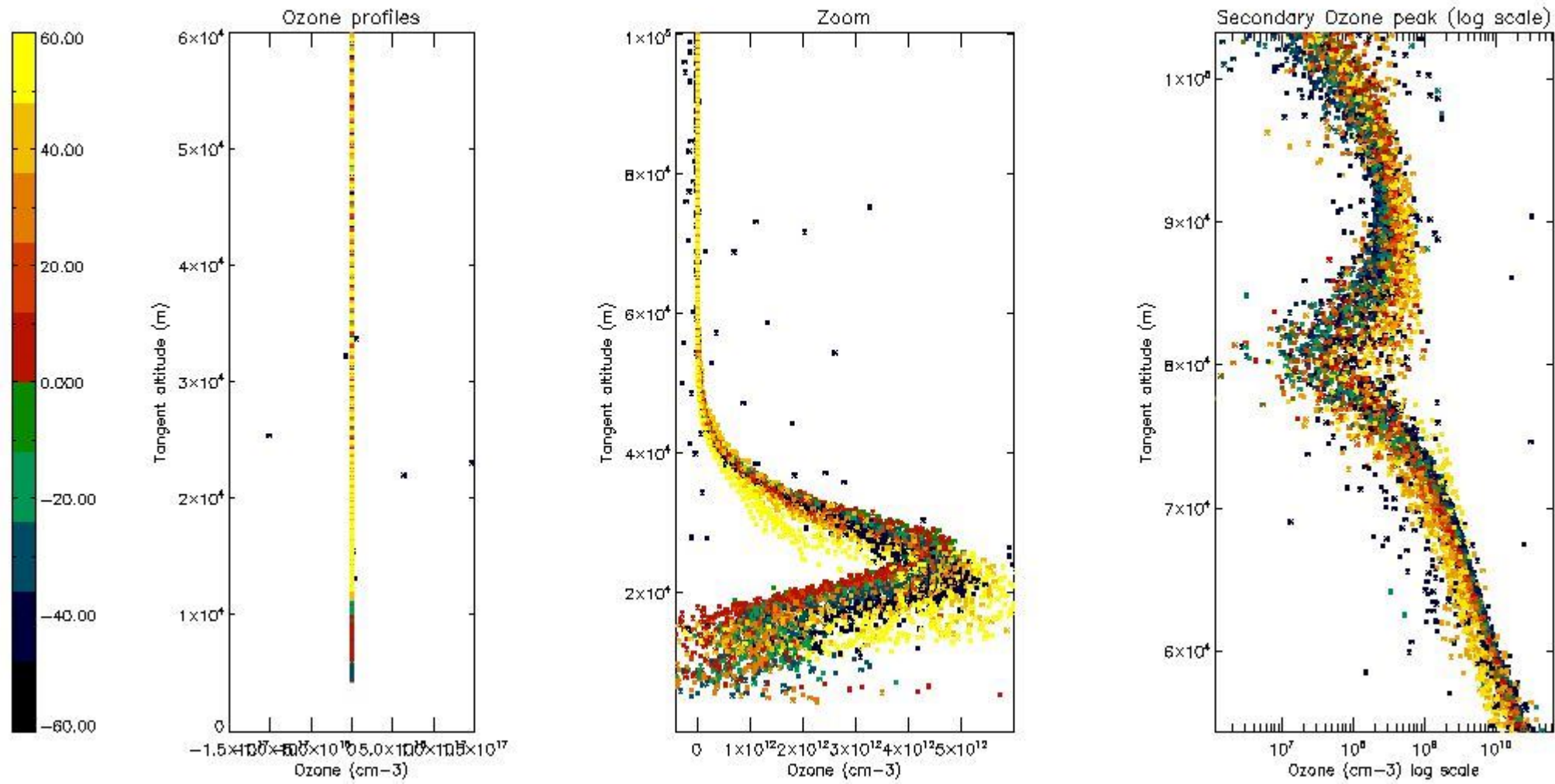
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	34
STD < 20	21

STD < 10	18
STD < 5	14

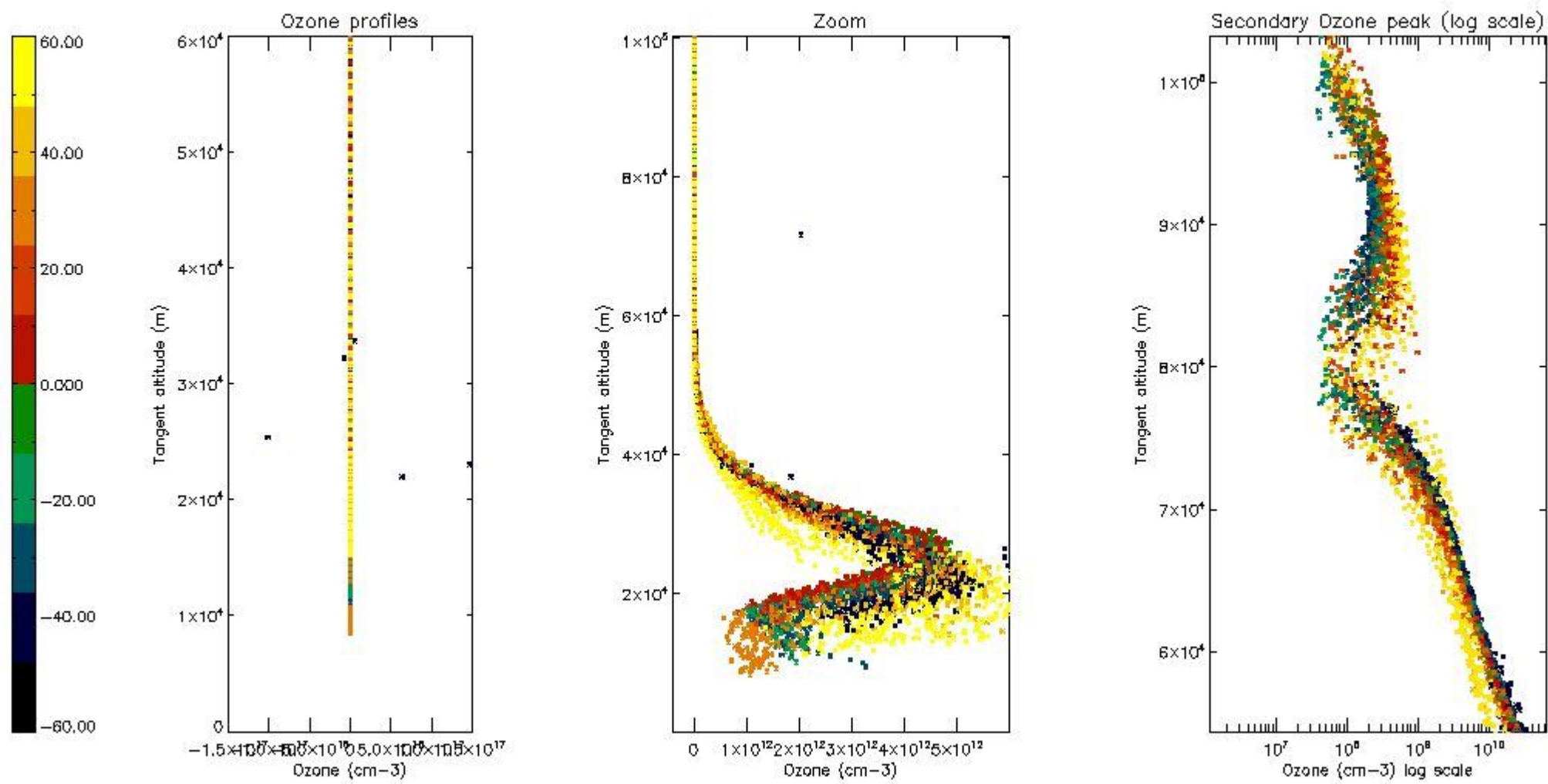
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



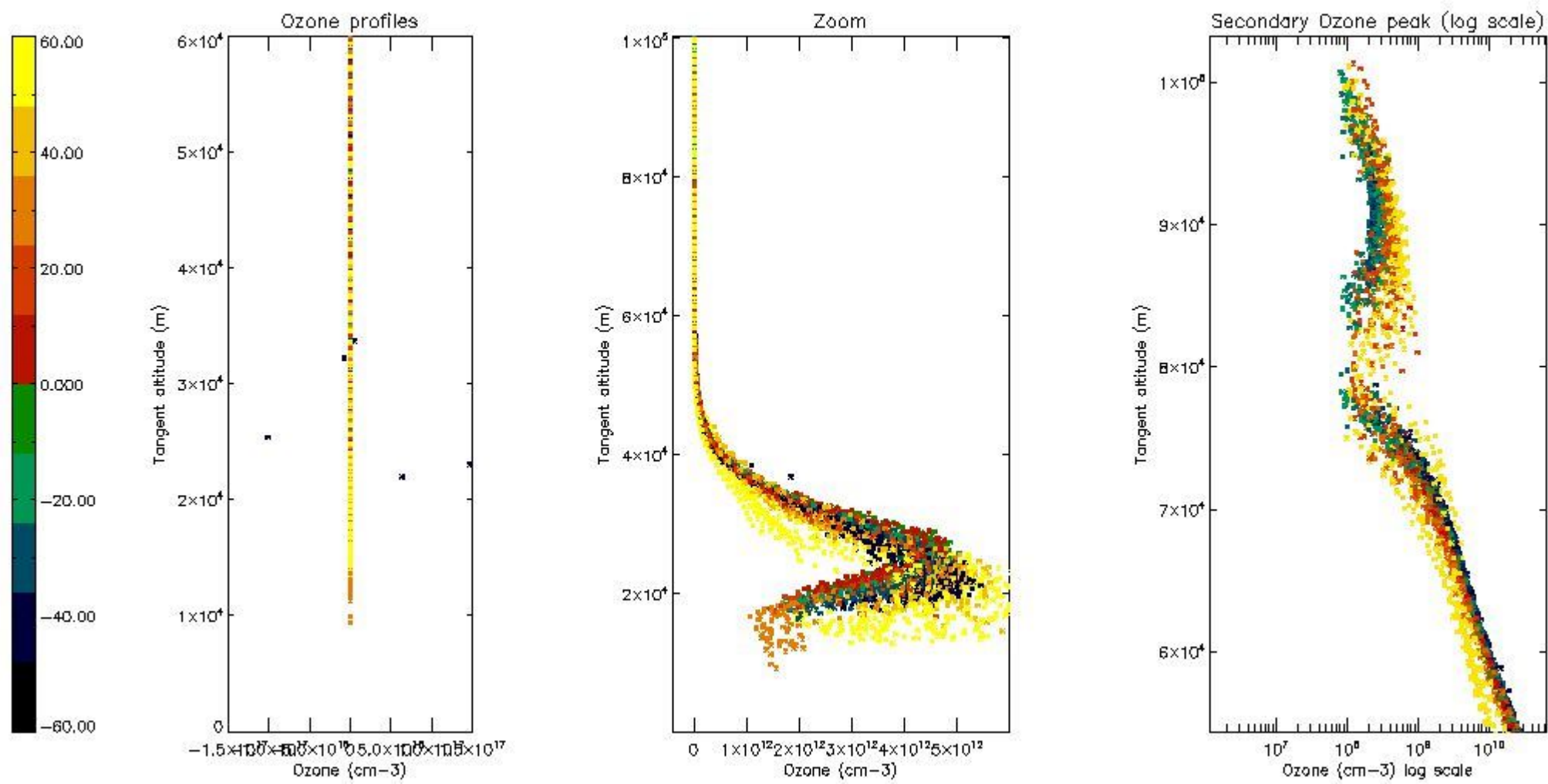
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



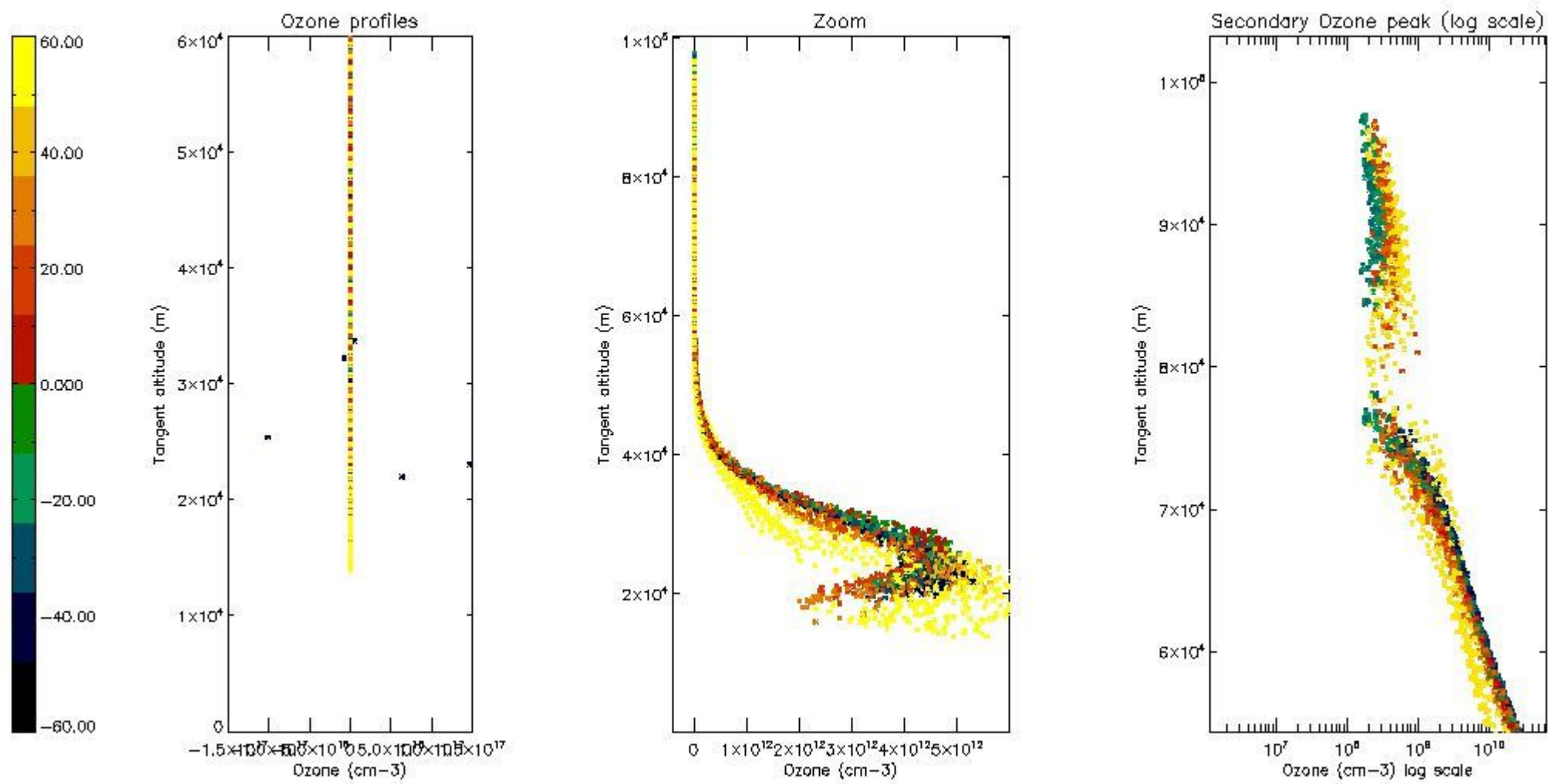
5.4 Plot ozone profiles where $STD < 10\%$ (dark without errors)

The colorbar represents the latitude.



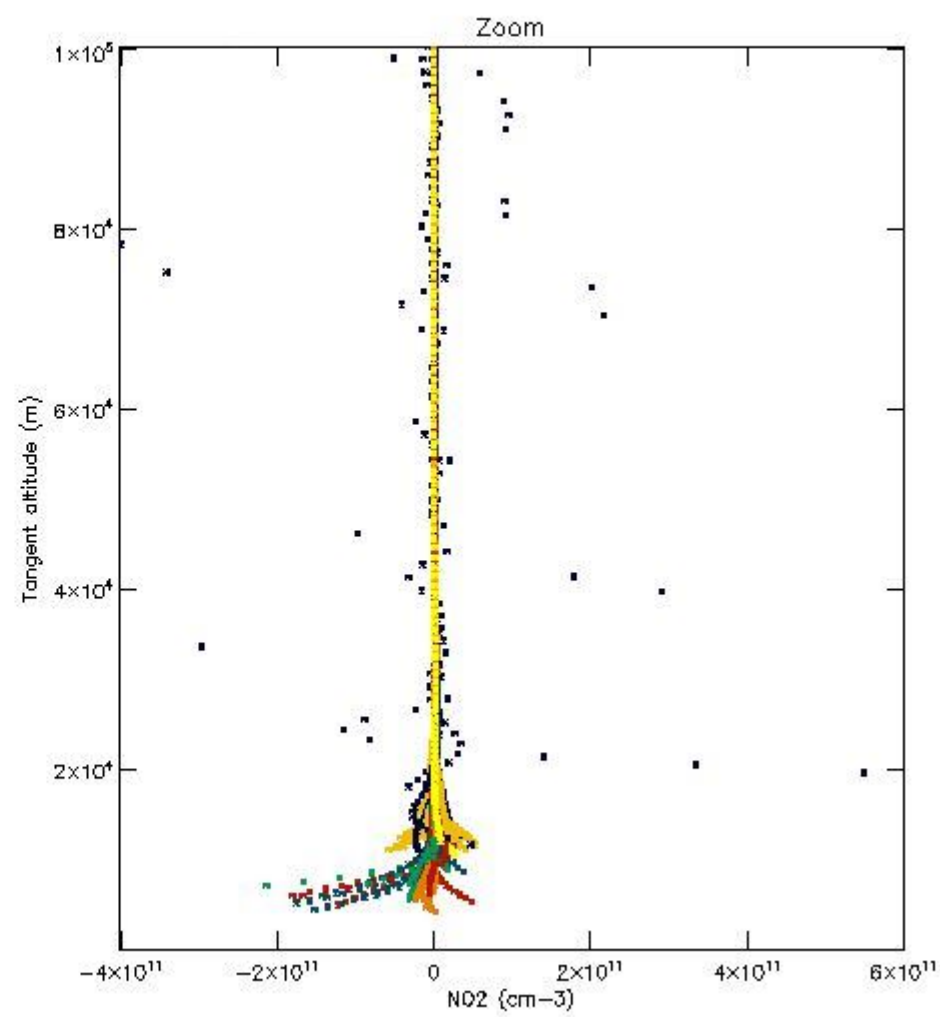
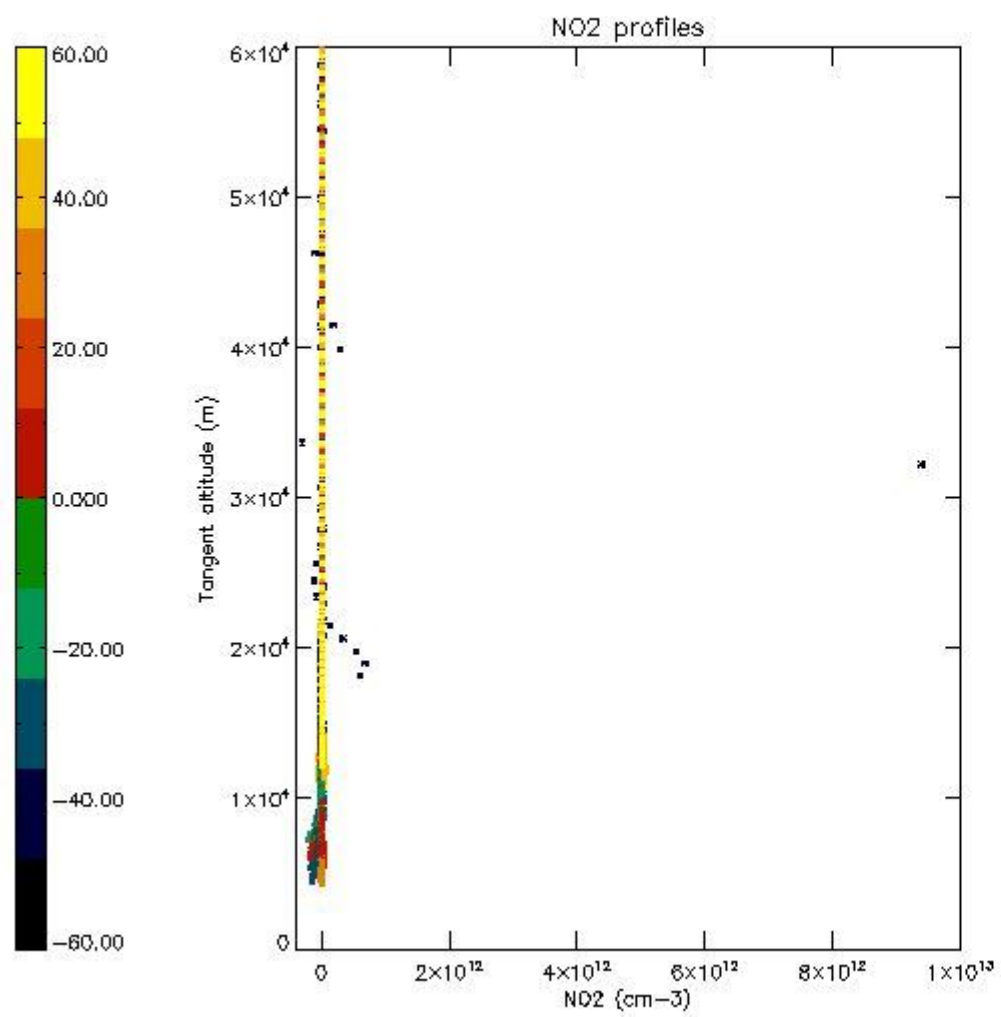
5.5 Plot ozone profiles where $STD < 5\%$ (dark without errors)

The colorbar represents the latitude.



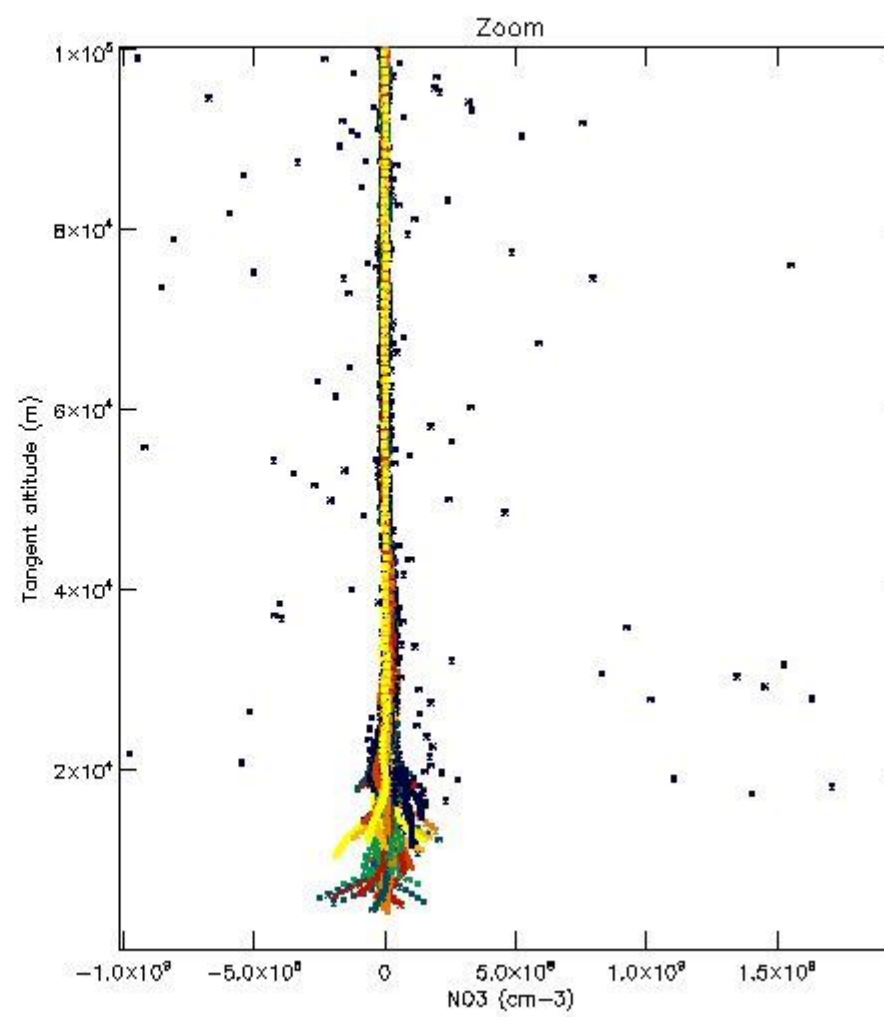
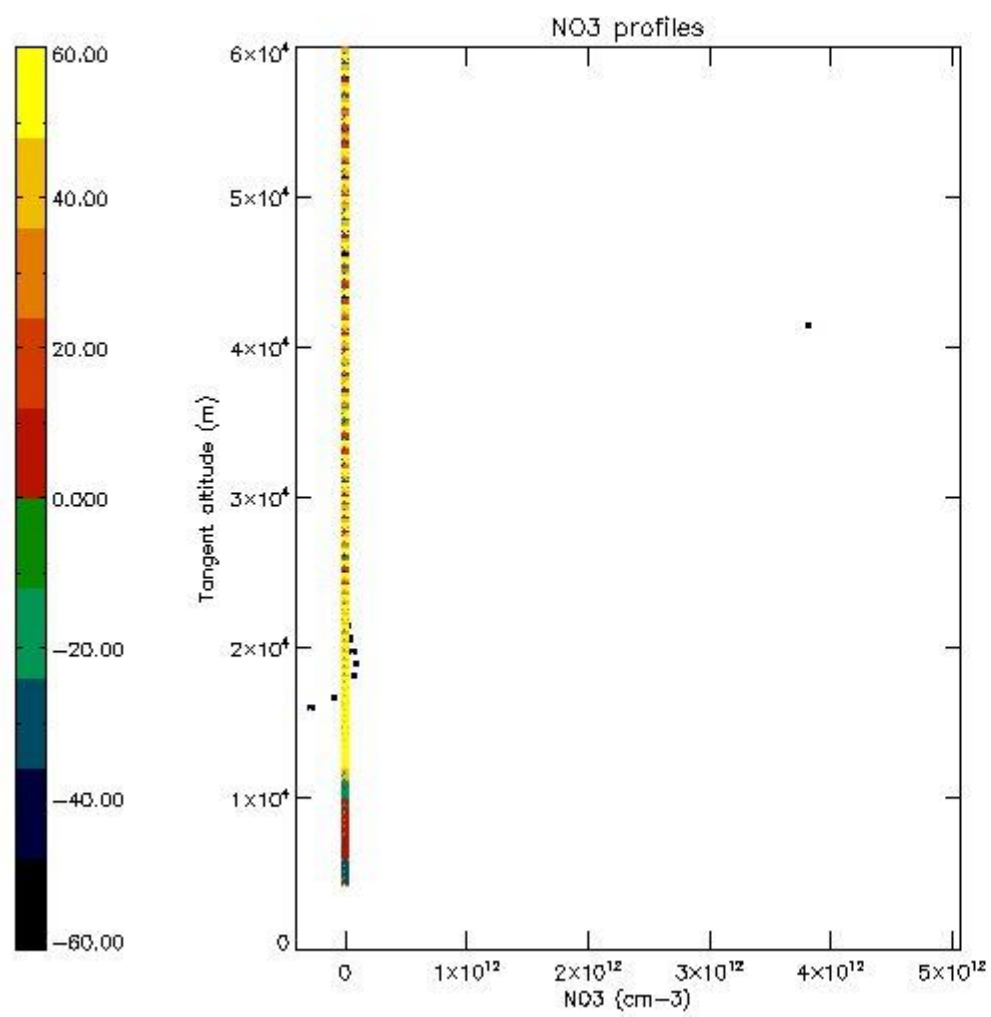
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



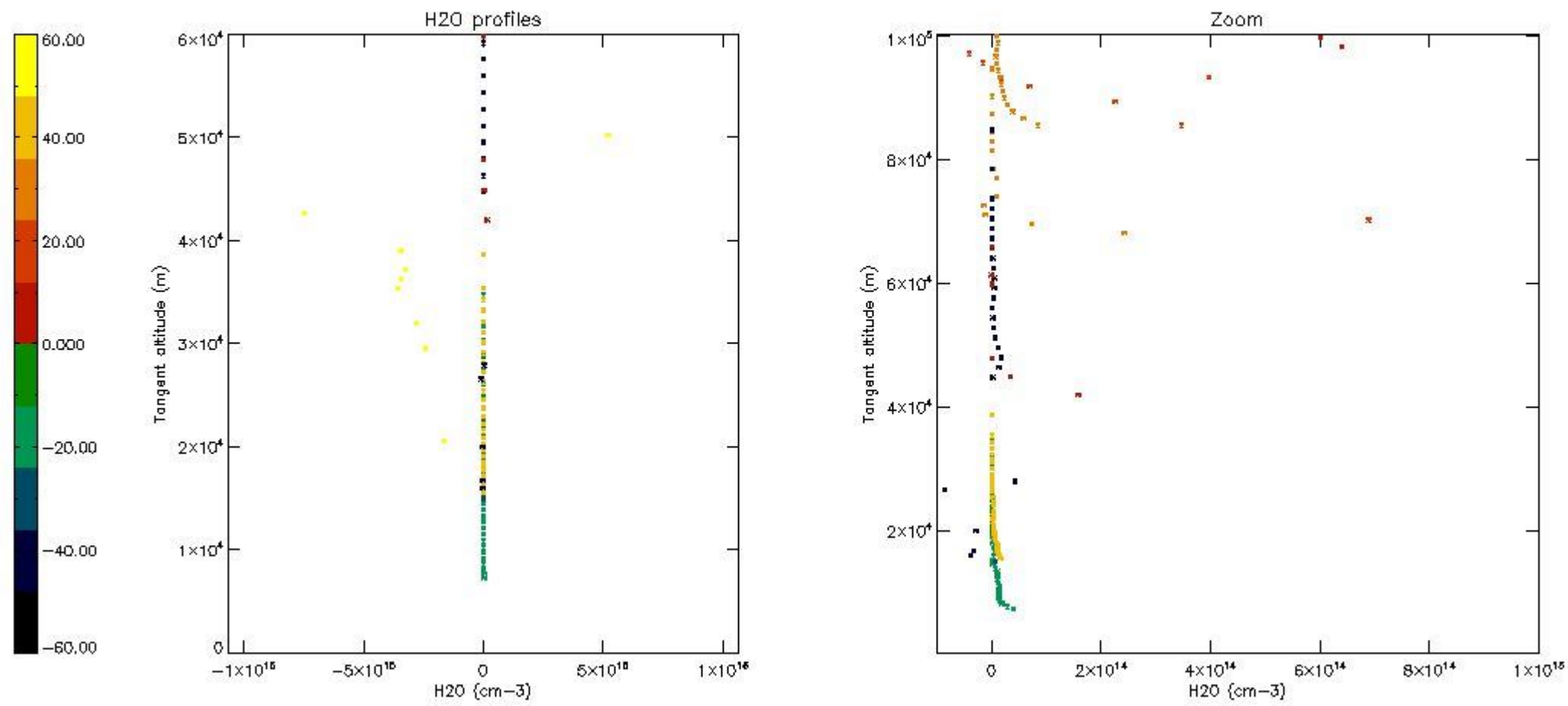
5.7 Plot NO3 profiles for all STD (dark without errors)

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_AXNIEC20050627_150440_20020301_000000_20100101_000000	1	03-DEC-2002 00:01:05
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	03-DEC-2002 00:01:05
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	03-DEC-2002 00:01:05

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	17APR2013 20:50:47
Data source version	GOMOS/6.01
Start time of products	03-12-2002 (03DEC2002 00:00:00)
Stop time of products	04-12-2002 (04DEC2002 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	526
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__2PRFIN20021203_000105_000000492011_00403_03964_1911.N1	03-DEC-2002 00:01:05	Dark	48.500	12	Alp1Cru	0.77500	30000.	97	3964	No
2	GOM_NL__2PRFIN20021203_000636_000000412011_00403_03964_1912.N1	03-DEC-2002 00:06:36	Dark	40.500	29	Bet Car	1.6720	10200.	81	3964	No
3	GOM_NL__2PRFIN20021203_000834_000000512011_00403_03964_1913.N1	03-DEC-2002 00:08:34	Dark	50.500	41	Eps Car	1.8600	4100.0	101	3964	No
4	GOM_NL__2PRFIN20021203_001040_000000532011_00403_03964_1914.N1	03-DEC-2002 00:10:40	Dark	53.000	34	Gam2Vel	1.7930	23000.	106	3964	No
5	GOM_NL__2PRFIN20021203_001353_000000512011_00403_03964_1915.N1	03-DEC-2002 00:13:53	Dark	50.500	2	Alp Car	-0.73600	7000.0	101	3964	No
6	GOM_NL__2PRFIN20021203_001554_000000602011_00403_03964_1916.N1	03-DEC-2002 00:15:54	Dark	59.500	117	Pi Pup	2.7060	3800.0	119	3964	No
7	GOM_NL__2PRFIN20021203_001821_000000702011_00403_03964_1917.N1	03-DEC-2002 00:18:21	Dark	69.500	88	31Eta CMa	2.4480	20000.	139	3964	No
8	GOM_NL__2PRFIN20021203_002021_000000752011_00403_03964_1918.N1	03-DEC-2002 00:20:21	Straylight	75.000	37	25Del CMa	1.8300	5900.0	150	3964	No
9	GOM_NL__2PRFIN20021203_002523_000000672011_00403_03964_1919.N1	03-DEC-2002 00:25:23	Straylight	67.000	47	2Bet CMa	1.9760	28000.	134	3964	No
10	GOM_NL__2PRFIN20021203_002756_000000452011_00403_03964_1920.N1	03-DEC-2002 00:27:56	Straylight	45.000	165	34Gam Eri	2.9500	3200.0	90	3964	No
11	GOM_NL__2PRFIN20021203_002924_000000602011_00403_03964_1921.N1	03-DEC-2002 00:29:24	Straylight	60.000	7	19Bet Ori	0.10000	14000.	120	3964	No
12	GOM_NL__2PRFIN20021203_003218_000000622011_00403_03964_1922.N1	03-DEC-2002 00:32:18	Twilight	62.000	30	46Eps Ori	1.6940	30000.	124	3964	No
13	GOM_NL__2PRFIN20021203_003458_000000632011_00403_03964_1923.N1	03-DEC-2002 00:34:58	Twilight	63.000	27	24Gam Ori	1.6360	26000.	126	3964	No
14	GOM_NL__2PRFIN20021203_003718_000000602011_00403_03964_1924.N1	03-DEC-2002 00:37:18	Bright	60.000	13	87Alp Tau	0.86700	3800.0	120	3964	No
15	GOM_NL__2PRFIN20021203_003859_000000392011_00403_03964_1925.N1	03-DEC-2002 00:38:59	Bright	38.500	146	25Eta Tau	2.8730	15200.	77	3964	No
16	GOM_NL__2PRFIN20021203_004117_000000422011_00403_03964_1926.N1	03-DEC-2002 00:41:17	Bright	41.500	150	44Zet Per	2.8900	28000.	83	3964	No
17	GOM_NL__2PRFIN20021203_004338_000000392011_00403_03964_1927.N1	03-DEC-2002 00:43:38	Bright	38.500	79	26Bet Per	2.3100	13100.	77	3964	No
18	GOM_NL__2PRFIN20021203_004546_000000392011_00403_03964_1928.N1	03-DEC-2002 00:45:46	Bright	38.500	175	39Del Per	3.0100	19400.	77	3964	No
19	GOM_NL__2PRFIN20021203_004711_000000382011_00403_03964_1929.N1	03-DEC-2002 00:47:11	Bright	37.500	160	23Gam Per	2.9300	4700.0	75	3964	No
20	GOM_NL__2PRFIN20021203_004938_000000362011_00403_03964_1930.N1	03-DEC-2002 00:49:38	Bright	36.000	110	37Del Cas	2.6780	8900.0	72	3964	No
21	GOM_NL__2PRFIN20021203_005714_000000402011_00403_03964_1931.N1	03-DEC-2002 00:57:14	Bright	39.500	49	1Alp UMi	1.9900	6300.0	79	3964	No
22	GOM_NL__2PRFIN20021203_010156_000000392011_00403_03964_1932.N1	03-DEC-2002 01:01:56	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	3964	No
23	GOM_NL__2PRFIN20021203_010343_000000482011_00403_03964_1933.N1	03-DEC-2002 01:03:43	Bright	48.000	36	50Alp UMa	1.8000	6300.0	96	3964	No
24	GOM_NL__2PRFIN20021203_010521_000000492011_00403_03964_1934.N1	03-DEC-2002 01:05:21	Bright	48.500	82	48Bet UMa	2.3650	10600.	97	3964	No
25	GOM_NL__2PRFIN20021203_010703_000000442011_00403_03964_1935.N1	03-DEC-2002 01:07:03	Bright	44.000	32	77Eps UMa	1.7630	11000.	88	3964	No
26	GOM_NL__2PRFIN20021203_010911_000000422011_00403_03964_1936.N1	03-DEC-2002 01:09:11	Bright	42.000	39	85Eta UMa	1.8540	24000.	84	3964	No
27	GOM_NL__2PRFIN20021203_011210_000000362011_00403_03964_1937.N1	03-DEC-2002 01:12:10	Bright	36.000	180	27Gam Boo	3.0400	8000.0	72	3964	No
28	GOM_NL__2PRFIN20021203_011511_000000372011_00403_03964_1938.N1	03-DEC-2002 01:15:11	Bright	37.000	83		2.3780	11000.	74	3964	No
29	GOM_NL__2PRFIN20021203_011743_000000382011_00403_03964_1939.N1	03-DEC-2002 01:17:43	Bright	37.500	3	16Alp Boo	-0.050000	4250.0	75	3964	No
30	GOM_NL__2PRFIN20021203_012138_000000812011_00403_03964_1940.N1	03-DEC-2002 01:21:38	Bright	80.500	96	68Del Leo	2.5600	9300.0	161	3964	No
31	GOM_NL__2PRFIN20021203_012548_000000482011_00403_03964_1941.N1	03-DEC-2002 01:25:48	Bright	47.500	121	29Gam Vir	2.7400	7200.0	95	3964	No
32	GOM_NL__2PRFIN20021203_013035_000000512011_00403_03964_1942.N1	03-DEC-2002 01:30:35	Twilight	51.000	163	7Del Crv	2.9450	11000.	102	3964	No
33	GOM_NL__2PRFIN20021203_013213_000000502011_00403_03964_1943.N1	03-DEC-2002 01:32:13	Dark	50.000	106	9Bet Crv	2.6480	5600.0	100	3964	No
34	GOM_NL__2PRFIN20021203_013405_000000412011_00403_03964_1944.N1	03-DEC-2002 01:34:05	Dark	41.000	123	1ot Cen	2.7500	10200.	82	3964	No
35	GOM_NL__2PRFIN20021203_013613_000000412011_00403_03964_1945.N1	03-DEC-2002 01:36:13	Dark	40.500	95	Zet Cen	2.5450	26000.	81	3964	No
36	GOM_NL__2PRFIN20021203_014015_000000452011_00403_03964_1946.N1	03-DEC-2002 01:40:15	Dark	45.000	26	Gam Cru	1.6240	2900.0	90	3964	No
37	GOM_NL__2PRFIN20021203_014141_000000432011_00404_03965_9775.N1	03-DEC-2002 01:41:41	Dark	42.500	12	Alp1Cru	0.77500	30000.	85	3965	No
38	GOM_NL__2PRFIN20021203_014712_000000412011_00404_03965_9776.N1	03-DEC-2002 01:47:12	Dark	41.000	29	Bet Car	1.6720	10200.	82	3965	No
39	GOM_NL__2PRFIN20021203_014910_000000572011_00404_03965_9777.N1	03-DEC-2002 01:49:10	Dark	56.500	41	Eps Car	1.8600	4100.0	113	3965	No
40	GOM_NL__2PRFIN20021203_015117_000000572011_00404_03965_9778.N1	03-DEC-2002 01:51:17	Dark	57.000	34	Gam2Vel	1.7930	23000.	114	3965	No
41	GOM_NL__2PRFIN20021203_015308_000000572011_00404_03965_9779.N1	03-DEC-2002 01:53:08	Dark	57.000	70	Zet Pup	2.2460	39000.	114	3965	No
42	GOM_NL__2PRFIN20021203_015631_000000602011_00404_03965_9780.N1	03-DEC-2002 01:56:31	Dark	59.500	117	Pi Pup	2.7060	3800.0	119	3965	No

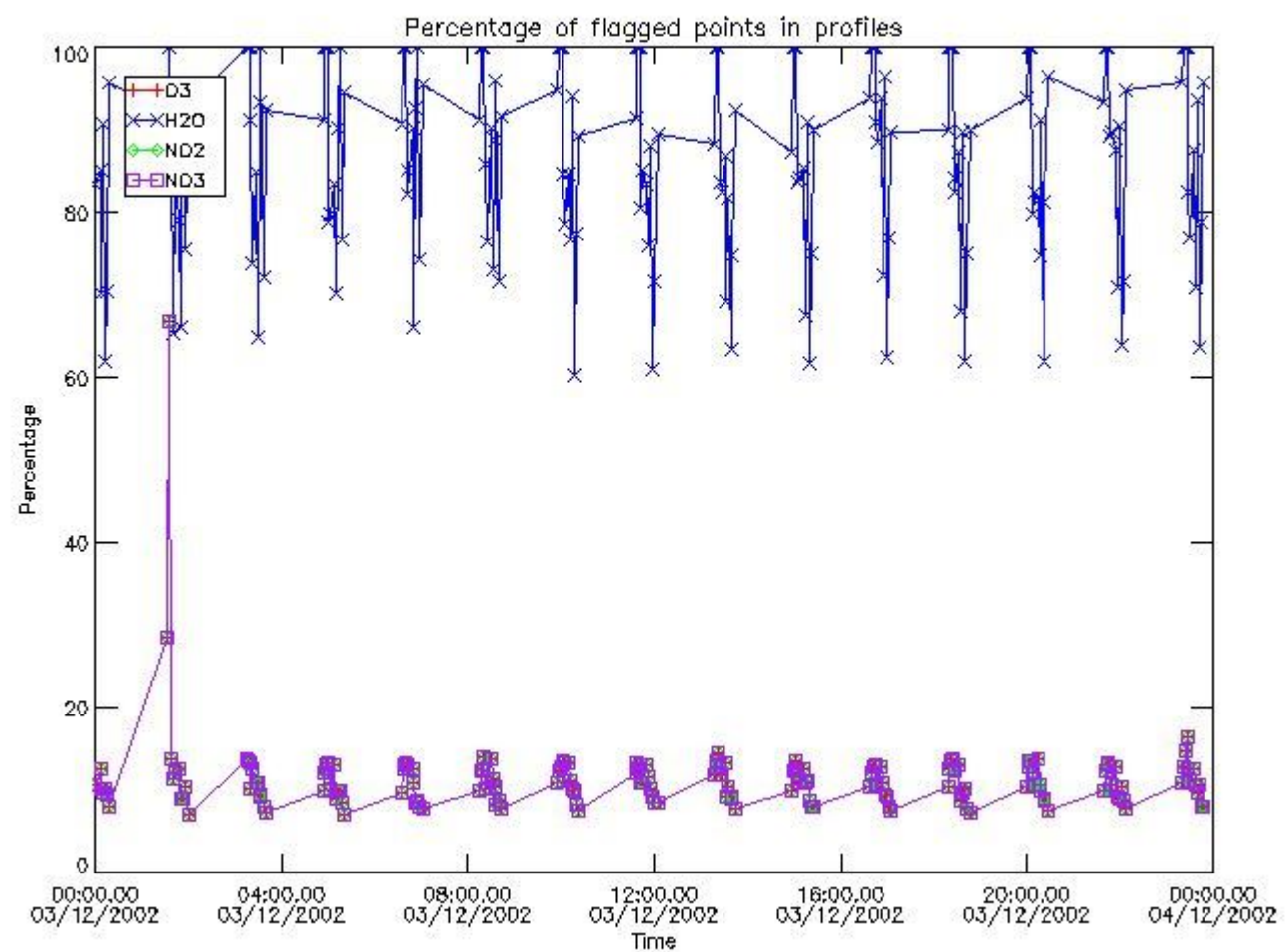
456	GOM_NL__2PRFIN20021203_204609_000000402011_00415_03976_9642.N1	03-DEC-2002 20:46:09	Bright	39.500	146	25Eta Tau	2.8730	15200.	79	3976	No
457	GOM_NL__2PRFIN20021203_204826_000000432011_00415_03976_9643.N1	03-DEC-2002 20:48:26	Bright	43.000	150	44Zet Per	2.8900	28000.	86	3976	No
458	GOM_NL__2PRFIN20021203_205050_000000382011_00415_03976_9644.N1	03-DEC-2002 20:50:50	Bright	38.000	79	26Bet Per	2.3100	13100.	76	3976	No
459	GOM_NL__2PRFIN20021203_205256_000000392011_00415_03976_9645.N1	03-DEC-2002 20:52:56	Bright	38.500	175	39Del Per	3.0100	19400.	77	3976	No
460	GOM_NL__2PRFIN20021203_205422_000000372011_00415_03976_9646.N1	03-DEC-2002 20:54:22	Bright	37.000	160	23Gam Per	2.9300	4700.0	74	3976	No
461	GOM_NL__2PRFIN20021203_205652_000000372011_00415_03976_9647.N1	03-DEC-2002 20:56:52	Bright	36.500	110	37Del Cas	2.6780	8900.0	73	3976	No
462	GOM_NL__2PRFIN20021203_205808_000000382011_00415_03976_9648.N1	03-DEC-2002 20:58:08	Bright	38.000	74	11Bet Cas	2.2680	6600.0	76	3976	No
463	GOM_NL__2PRFIN20021203_210426_000000382011_00415_03976_9649.N1	03-DEC-2002 21:04:26	Bright	38.000	49	1Alp UMi	1.9900	6300.0	76	3976	No
464	GOM_NL__2PRFIN20021203_210906_000000372011_00415_03976_9650.N1	03-DEC-2002 21:09:06	Bright	37.000	60	7Bet UMi	2.0810	3950.0	74	3976	No
465	GOM_NL__2PRFIN20021203_211052_000000482011_00415_03976_9651.N1	03-DEC-2002 21:10:52	Bright	47.500	36	50Alp UMa	1.8000	6300.0	95	3976	No
466	GOM_NL__2PRFIN20021203_211228_000000482011_00415_03976_9652.N1	03-DEC-2002 21:12:28	Bright	47.500	82	48Bet UMa	2.3650	10600.	95	3976	No
467	GOM_NL__2PRFIN20021203_211415_000000412011_00415_03976_9653.N1	03-DEC-2002 21:14:15	Bright	41.000	32	77Eps UMa	1.7630	11000.	82	3976	No
468	GOM_NL__2PRFIN20021203_211624_000000412011_00415_03976_9654.N1	03-DEC-2002 21:16:24	Bright	40.500	39	85Eta UMa	1.8540	24000.	81	3976	No
469	GOM_NL__2PRFIN20021203_211923_000000362011_00415_03976_9655.N1	03-DEC-2002 21:19:23	Bright	36.000	180	27Gam Boo	3.0400	8000.0	72	3976	No
470	GOM_NL__2PRFIN20021203_212223_000000392011_00415_03976_9656.N1	03-DEC-2002 21:22:23	Bright	38.500	83		2.3780	11000.	77	3976	No
471	GOM_NL__2PRFIN20021203_212455_000000392011_00415_03976_9657.N1	03-DEC-2002 21:24:55	Bright	38.500	3	16Alp Boo	-0.050000	4250.0	77	3976	No
472	GOM_NL__2PRFIN20021203_212901_000000802011_00415_03976_9658.N1	03-DEC-2002 21:29:01	Bright	79.500	96	68Del Leo	2.5600	9300.0	159	3976	No
473	GOM_NL__2PRFIN20021203_213307_000000482011_00415_03976_9659.N1	03-DEC-2002 21:33:07	Bright	47.500	121	29Gam Vir	2.7400	7200.0	95	3976	No
474	GOM_NL__2PRFIN20021203_213757_000000482011_00415_03976_9660.N1	03-DEC-2002 21:37:57	Tw_i_and_stray	47.500	163	7Del Crv	2.9450	11000.	95	3976	No
475	GOM_NL__2PRFIN20021203_213934_000000522011_00415_03976_9661.N1	03-DEC-2002 21:39:34	Dark	51.500	106	9Bet Crv	2.6480	5600.0	103	3976	No
476	GOM_NL__2PRFIN20021203_214122_000000422011_00415_03976_9662.N1	03-DEC-2002 21:41:22	Dark	41.500	123	1ot Cen	2.7500	10200.	83	3976	No
477	GOM_NL__2PRFIN20021203_214327_000000392011_00415_03976_9663.N1	03-DEC-2002 21:43:27	Dark	38.500	95	Zet Cen	2.5450	26000.	77	3976	No
478	GOM_NL__2PRFIN20021203_214518_000000392011_00415_03976_9664.N1	03-DEC-2002 21:45:18	Dark	39.000	77	Eps Cen	2.3030	28000.	78	3976	No
479	GOM_NL__2PRFIN20021203_214652_000000522011_00415_03976_9665.N1	03-DEC-2002 21:46:52	Dark	51.500	10	Bet Cen	0.610000	28000.	103	3976	No
480	GOM_NL__2PRFIN20021203_214856_000000492011_00416_03977_1929.N1	03-DEC-2002 21:48:56	Dark	48.500	12	Alp1Cru	0.775000	30000.	97	3977	No
481	GOM_NL__2PRFIN20021203_215428_000000402011_00416_03977_1930.N1	03-DEC-2002 21:54:28	Dark	40.000	29	Bet Car	1.6720	10200.	80	3977	No
482	GOM_NL__2PRFIN20021203_215630_000000562011_00416_03977_1931.N1	03-DEC-2002 21:56:30	Dark	55.500	41	Eps Car	1.8600	4100.0	111	3977	No
483	GOM_NL__2PRFIN20021203_215837_000000572011_00416_03977_1932.N1	03-DEC-2002 21:58:37	Dark	57.000	34	Gam2Vel	1.7930	23000.	114	3977	No
484	GOM_NL__2PRFIN20021203_220147_000000492011_00416_03977_1933.N1	03-DEC-2002 22:01:47	Dark	49.000	2	Alp Car	-0.736000	7000.0	98	3977	No
485	GOM_NL__2PRFIN20021203_220351_000000582011_00416_03977_1934.N1	03-DEC-2002 22:03:51	Dark	58.000	117	Pi Pup	2.7060	3800.0	116	3977	No
486	GOM_NL__2PRFIN20021203_220733_000000672011_00416_03977_1935.N1	03-DEC-2002 22:07:33	Dark	67.000	23	21Eps CMa	1.5020	26000.	134	3977	No
487	GOM_NL__2PRFIN20021203_220938_000000722011_00416_03977_1936.N1	03-DEC-2002 22:09:38	Straylight	71.500	179	24Omi2CMa	3.0320	24000.	143	3977	No
488	GOM_NL__2PRFIN20021203_221312_000000662011_00416_03977_1937.N1	03-DEC-2002 22:13:12	Straylight	65.500	47	2Bet CMa	1.9760	28000.	131	3977	No
489	GOM_NL__2PRFIN20021203_221646_000000622011_00416_03977_1938.N1	03-DEC-2002 22:16:46	Straylight	62.000	56	53Kap Ori	2.0650	30000.	124	3977	No
490	GOM_NL__2PRFIN20021203_222000_000000632011_00416_03977_1939.N1	03-DEC-2002 22:20:00	Tw_i_and_stray	62.500	30	46Eps Ori	1.6940	30000.	125	3977	No
491	GOM_NL__2PRFIN20021203_222239_000000582011_00416_03977_1940.N1	03-DEC-2002 22:22:39	Tw_i_and_stray	58.000	27	24Gam Ori	1.6360	26000.	116	3977	No
492	GOM_NL__2PRFIN20021203_222500_000000612011_00416_03977_1941.N1	03-DEC-2002 22:25:00	Bright	61.000	13	87Alp Tau	0.867000	3800.0	122	3977	No
493	GOM_NL__2PRFIN20021203_222644_000000402011_00416_03977_1942.N1	03-DEC-2002 22:26:44	Bright	39.500	146	25Eta Tau	2.8730	15200.	79	3977	No
494	GOM_NL__2PRFIN20021203_222901_000000422011_00416_03977_1943.N1	03-DEC-2002 22:29:01	Bright	41.500	150	44Zet Per	2.8900	28000.	83	3977	No
495	GOM_NL__2PRFIN20021203_223125_000000402011_00416_03977_1944.N1	03-DEC-2002 22:31:25	Bright	39.500	79	26Bet Per	2.3100	13100.	79	3977	No
496	GOM_NL__2PRFIN20021203_223331_000000392011_00416_03977_1945.N1	03-DEC-2002 22:33:31	Bright	39.000	175	39Del Per	3.0100	19400.	78	3977	No
497	GOM_NL__2PRFIN20021203_223458_000000372011_00416_03977_1946.N1	03-DEC-2002 22:34:58	Bright	37.000	160	23Gam Per	2.9300	4700.0	74	3977	No
498	GOM_NL__2PRFIN20021203_223728_000000372011_00416_03977_1947.N1	03-DEC-2002 22:37:28	Bright	36.500	110	37Del Cas	2.6780	8900.0	73	3977	No
499	GOM_NL__2PRFIN20021203_223844_000000402011_00416_03977_1948.N1	03-DEC-2002 22:38:44	Bright	39.500	74	11Bet Cas	2.2680	6600.0	79	3977	No
500	GOM_NL__2PRFIN20021203_224502_000000382011_00416_03977_1949.N1	03-DEC-2002 22:45:02	Bright	38.000	49	1Alp UMi	1.9900	6300.0	76	3977	No
501	GOM_NL__2PRFIN20021203_224944_000000402011_00416_03977_1950.N1	03-DEC-2002 22:49:44	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	3977	No
502	GOM_NL__2PRFIN20021203_225127_000000482011_00416_03977_1951.N1	03-DEC-2002 22:51:27	Bright	47.500	36	50Alp UMa	1.8000	6300.0	95	3977	No
503	GOM_NL__2PRFIN20021203_225302_000000492011_00416_03977_1952.N1	03-DEC-2002 22:53:02	Bright	49.000	82	48Bet UMa	2.3650	10600.	98	3977	No
504	GOM_NL__2PRFIN20021203_225449_000000442011_00416_03977_1953.N1	03-DEC-2002 22:54:49	Bright	43.500	32	77Eps UMa	1.7630	11000.	87	3977	No
505	GOM_NL__2PRFIN20021203_225701_000000392011_00416_03977_1954.N1	03-DEC-2002 22:57:01	Bright	39.000	39	85Eta UMa	1.8540	24000.	78	3977	No
506	GOM_NL__2PRFIN20021203_225959_000000362011_00416_03977_1955.N1	03-DEC-2002 22:59:59	Bright	35.500	180	27Gam Boo	3.0400	8000.0	71	3977	No
507	GOM_NL__2PRFIN20021203_230300_000000362011_00416_03977_1956.N1	03-DEC-2002 23:03:00	Bright	36.000	83		2.3780	11000.	72	3977	No
508	GOM_NL__2PRFIN20021203_230533_000000382011_00416_03977_1957.N1	03-DEC-2002 23:05:33	Bright	37.500	3	16Alp Boo	-0.050000	4250.0	75	3977	No
509	GOM_NL__2PRFIN20021203_230938_000000822011_00416_03977_1958.N1	03-DEC-2002 23:09:38	Bright	82.000	96	68Del Leo	2.5600	9300.0	164	3977	No
510	GOM_NL__2PRFIN20021203_231344_000000492011_00416_03977_1959.N1	03-DEC-2002 23:13:44	Bright	49.000	121	29Gam Vir	2.7400	7200.0	98	3977	No
511	GOM_NL__2PRFIN20021203_231834_000000492011_00416_03977_1960.N1	03-DEC-2002 23:18:34	Tw_i_and_stray	49.000	163	7Del Crv	2.9450	11000.	98	3977	No
512	GOM_NL__2PRFIN20021203_232010_000000472011_00416_03977_1961.N1	03-DEC-2002 23:20:10	Dark	47.000	106	9Bet Crv	2.6480	5600.0	94	3977	No
513	GOM_NL__2PRFIN20021203_232159_000000402011_00416_03977_1962.N1	03-DEC-2002 23:21:59	Dark	40.000	123	1ot Cen	2.7500	10200.	80	3977	No
514	GOM_NL__2PRFIN20021203_232404_000000382011_00416_03977_1963.N1	03-DEC-2002 23:24:04	Dark	38.000	95	Zet Cen	2.5450	26000.	76	3977	No

515	GOM_NL__2PRFIN20021203_232555_000000382011_00416_03977_1964.N1	03-DEC-2002 23:25:55	Dark	37.500	77	Eps Cen	2.3030	28000.	75	3977	No
516	GOM_NL__2PRFIN20021203_232728_000000412011_00416_03977_1965.N1	03-DEC-2002 23:27:28	Dark	40.500	10	Bet Cen	0.61000	28000.	81	3977	No
517	GOM_NL__2PRFIN20021203_232932_000000462011_00417_03978_2061.N1	03-DEC-2002 23:29:32	Dark	46.000	12	Alp1Cru	0.77500	30000.	92	3978	No
518	GOM_NL__2PRFIN20021203_233505_000000412011_00417_03978_2062.N1	03-DEC-2002 23:35:05	Dark	40.500	29	Bet Car	1.6720	10200.	81	3978	No
519	GOM_NL__2PRFIN20021203_233706_000000492011_00417_03978_2063.N1	03-DEC-2002 23:37:06	Dark	48.500	41	Eps Car	1.8600	4100.0	97	3978	No
520	GOM_NL__2PRFIN20021203_233916_000000542011_00417_03978_2064.N1	03-DEC-2002 23:39:16	Dark	53.500	34	Gam2Vel	1.7930	23000.	107	3978	No
521	GOM_NL__2PRFIN20021203_234224_000000492011_00417_03978_2065.N1	03-DEC-2002 23:42:24	Dark	48.500	2	Alp Car	-0.73600	7000.0	97	3978	No
522	GOM_NL__2PRFIN20021203_234428_000000642011_00417_03978_2066.N1	03-DEC-2002 23:44:28	Dark	64.000	117	Pi Pup	2.7060	3800.0	128	3978	No
523	GOM_NL__2PRFIN20021203_234810_000000702011_00417_03978_2067.N1	03-DEC-2002 23:48:10	Dark	69.500	23	21Eps CMa	1.5020	26000.	139	3978	No
524	GOM_NL__2PRFIN20021203_235015_000000662011_00417_03978_2068.N1	03-DEC-2002 23:50:15	Straylight	66.000	179	24Omi2CMa	3.0320	24000.	132	3978	No
525	GOM_NL__2PRFIN20021203_235348_000000602011_00417_03978_2069.N1	03-DEC-2002 23:53:48	Straylight	60.000	47	2Bet CMa	1.9760	28000.	120	3978	No
526	GOM_NL__2PRFIN20021203_235722_000000612011_00417_03978_2070.N1	03-DEC-2002 23:57:22	Straylight	60.500	56	53Kap Ori	2.0650	30000.	121	3978	No

3. Quality information per product

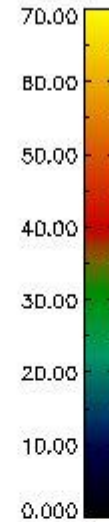
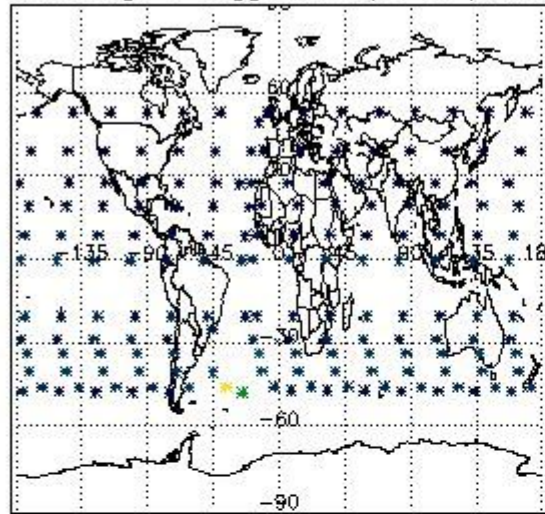
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)

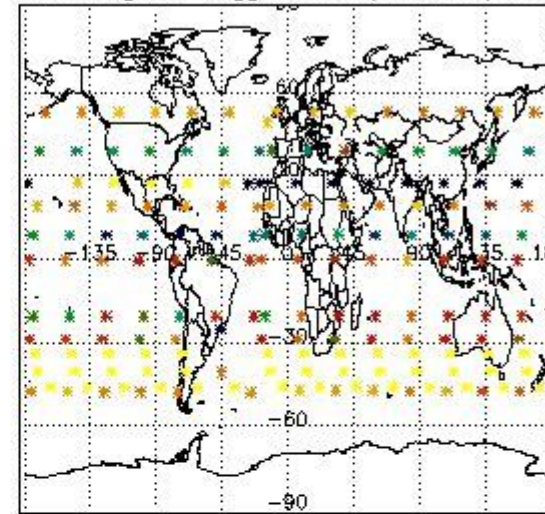


3.2 Plot quality information per product (world map)

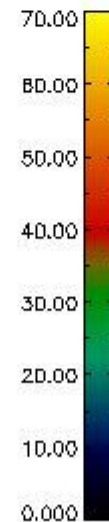
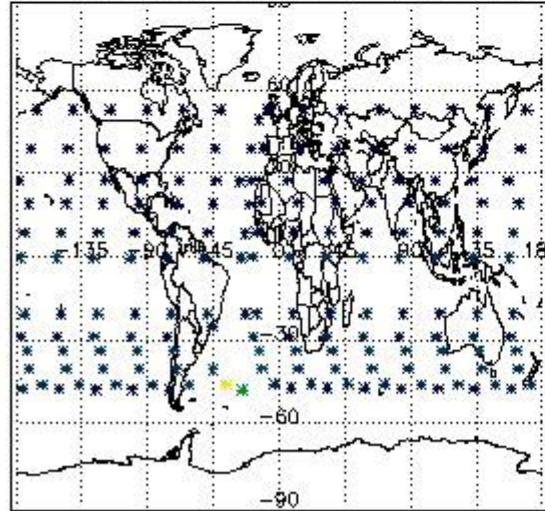
Percentage of flagged data per O3 profile



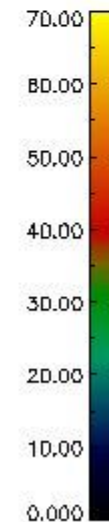
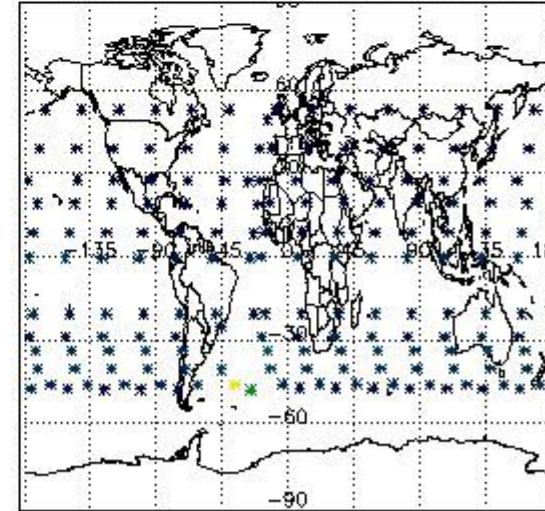
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

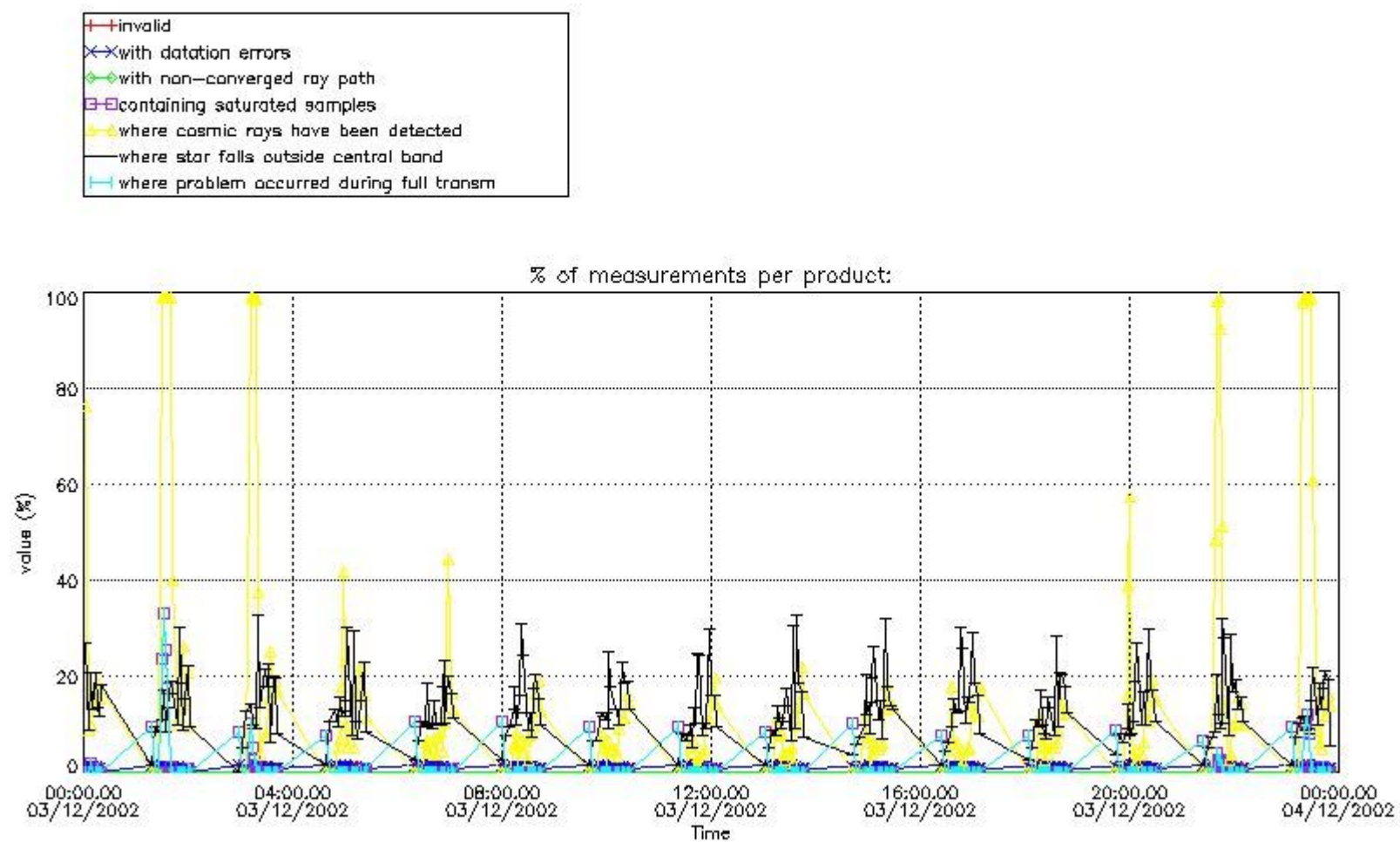


4. Level 1 quality information per product

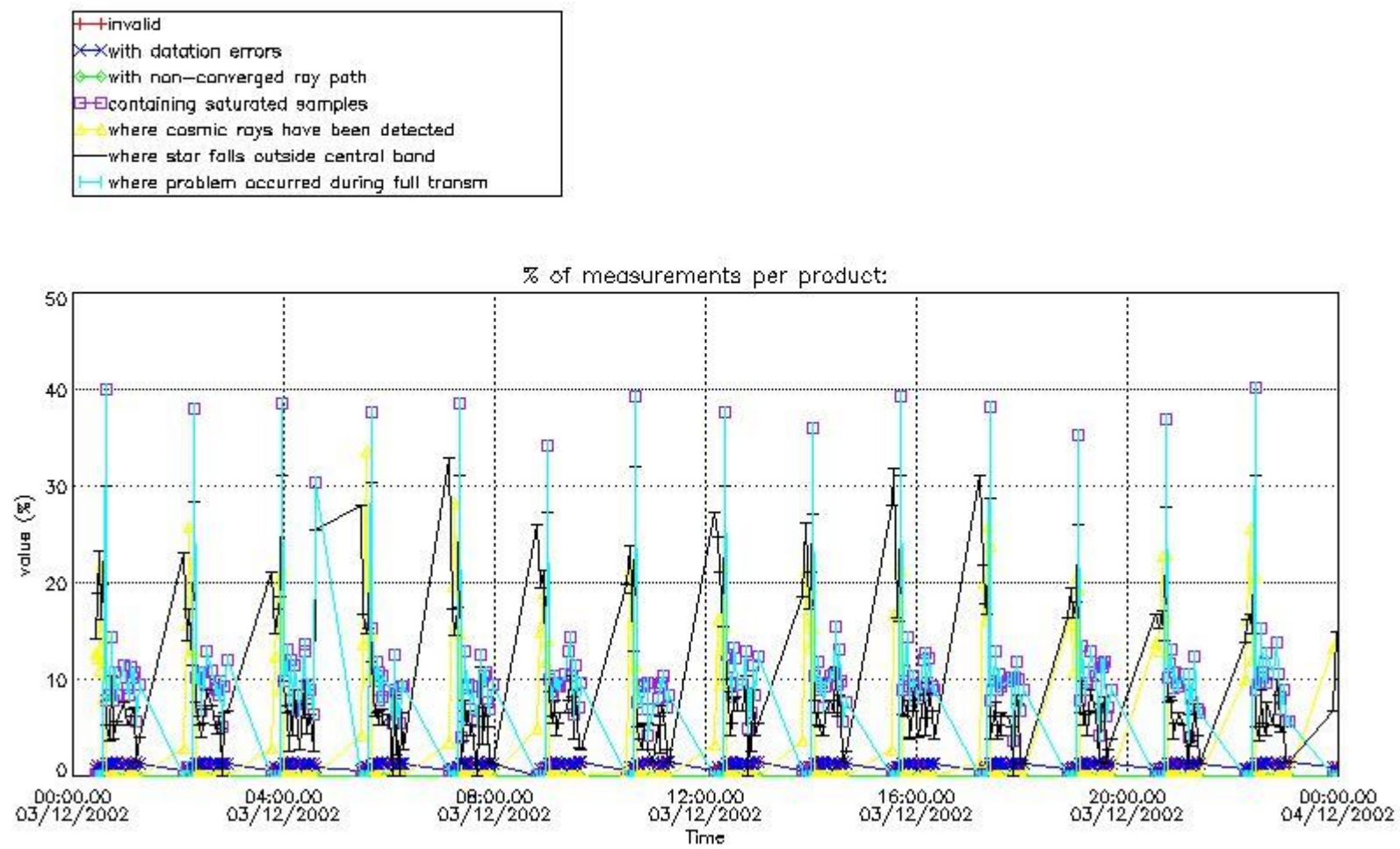
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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



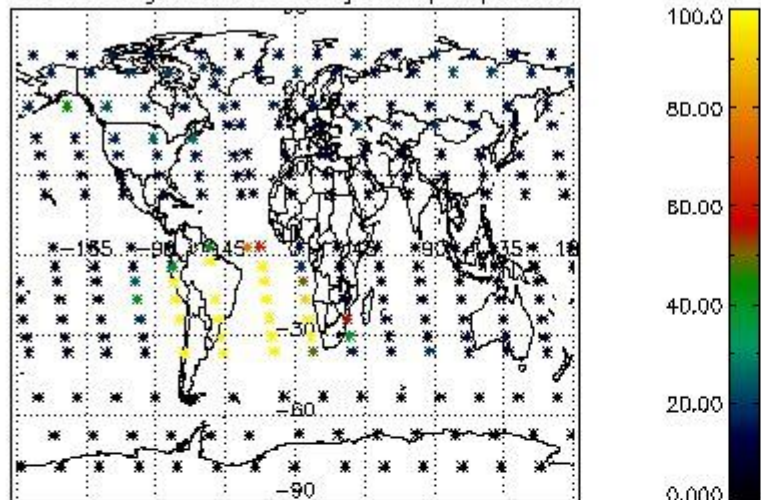
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



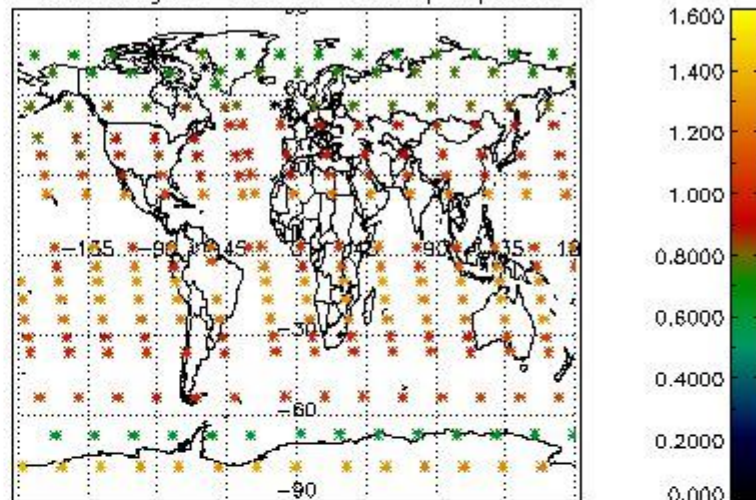
4.2 Plot quality information per product coming from level 1b processing (world map)

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

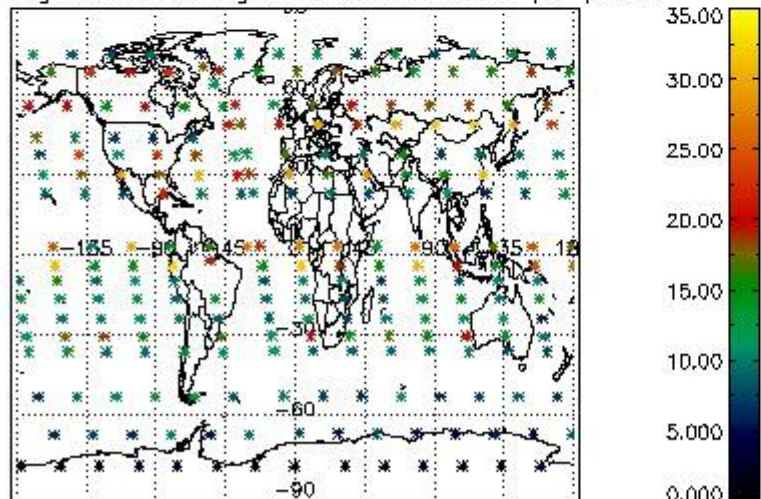
Percentage of cosmic ray hits per profile



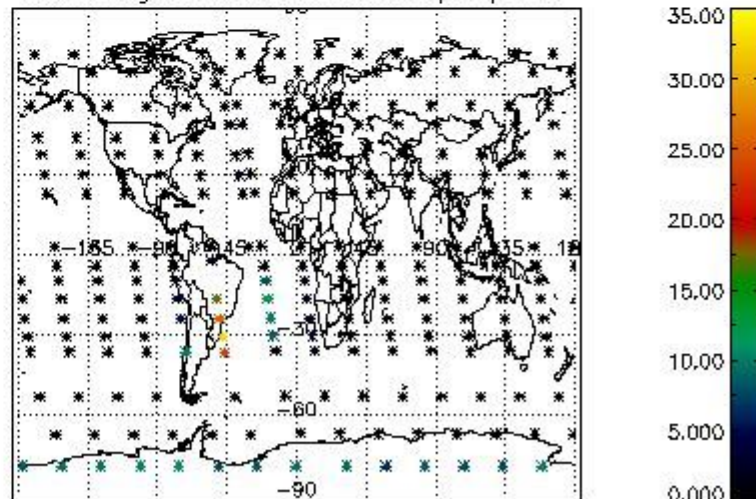
Percentage of datation errors per profile



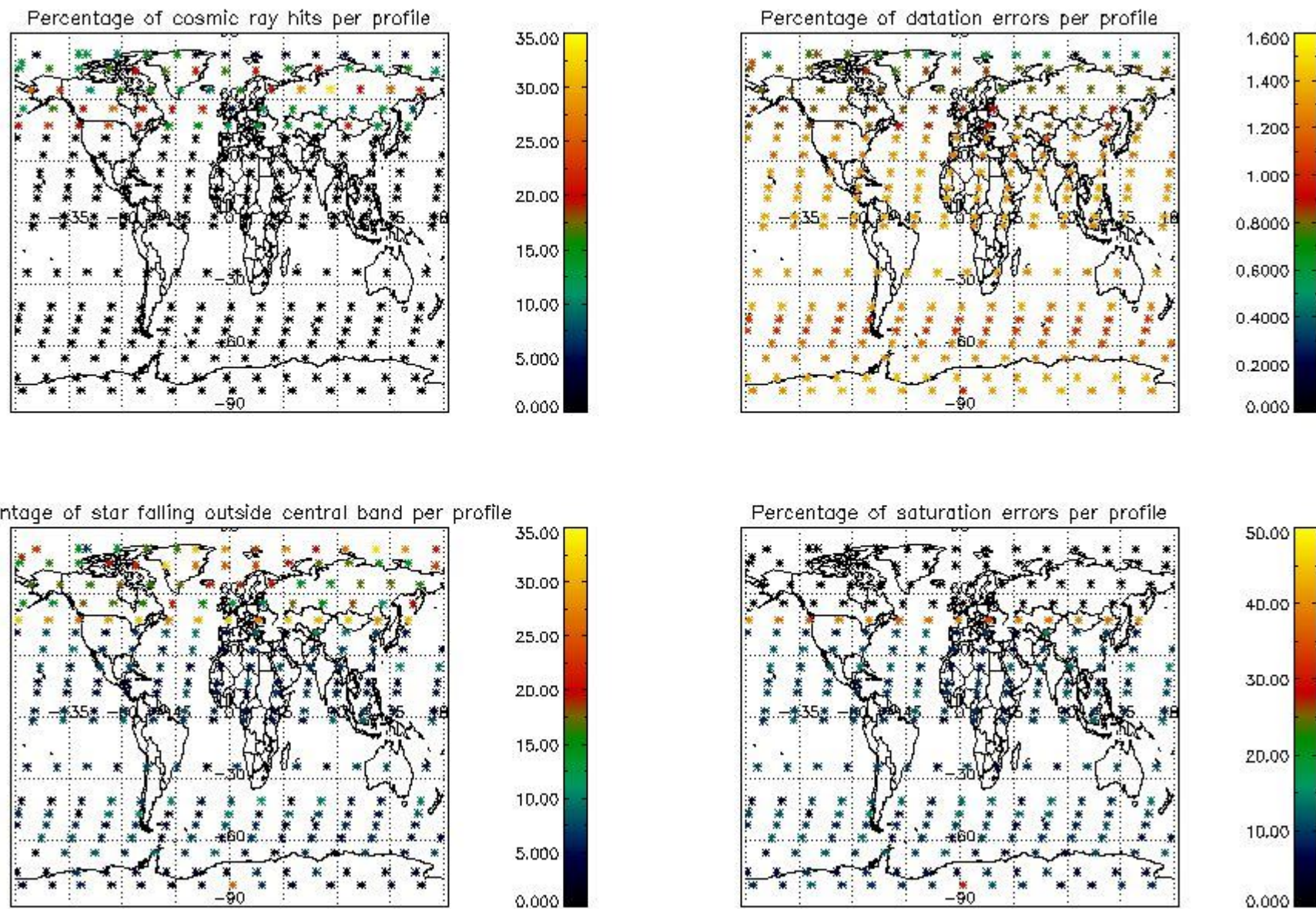
Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



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



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

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

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

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

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

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

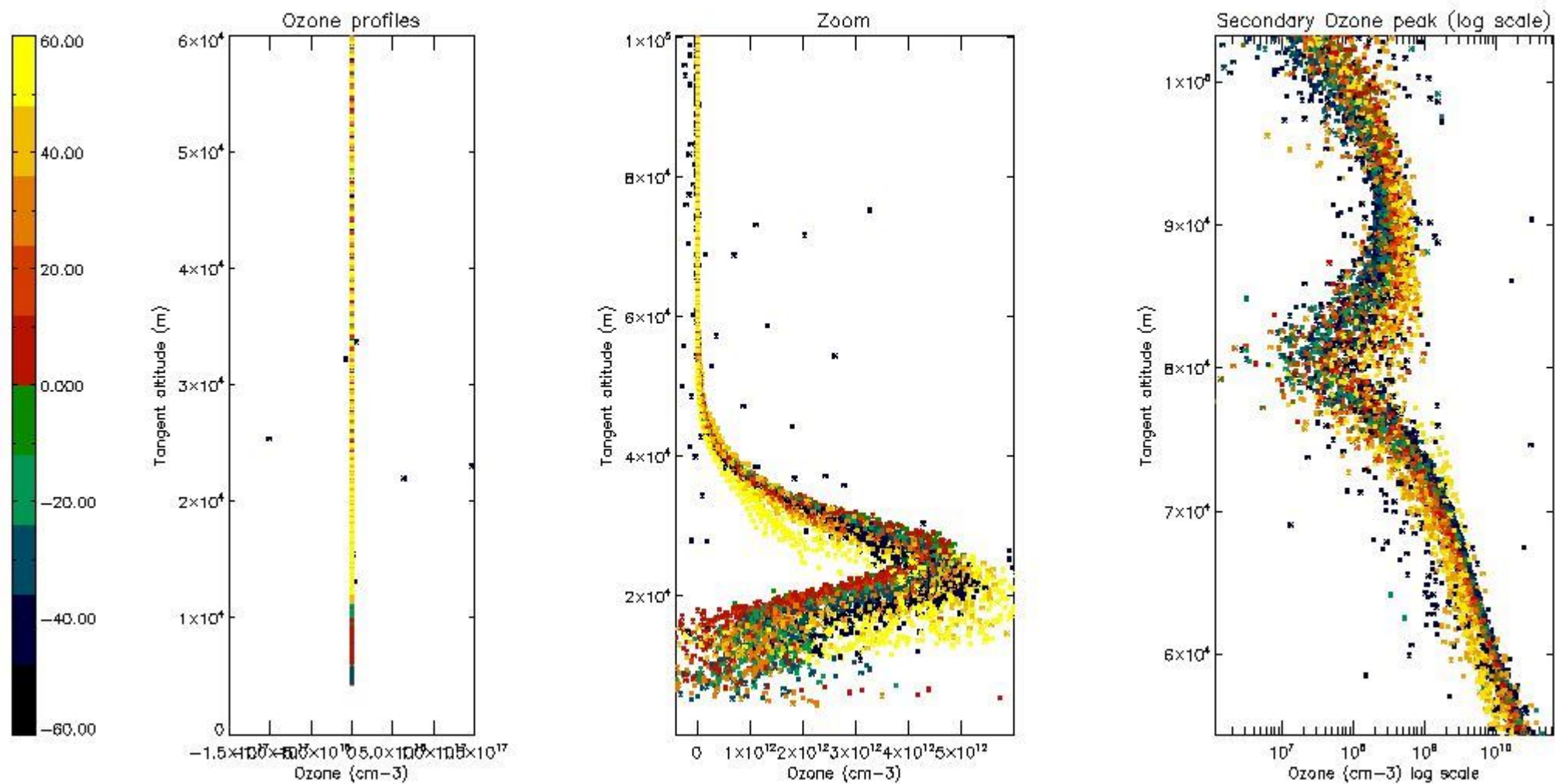
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	34
STD < 20	21

STD < 10	18
STD < 5	14

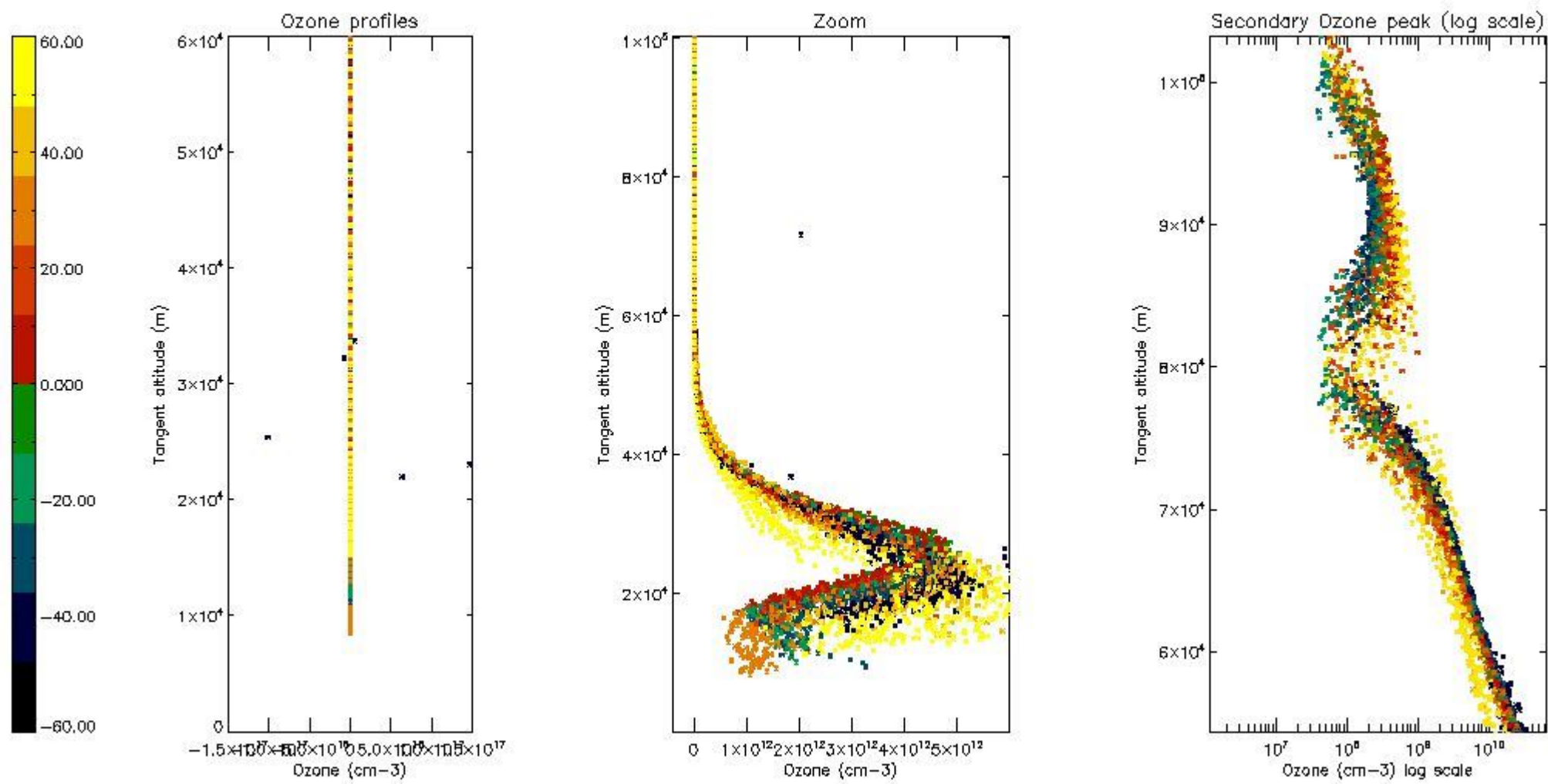
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



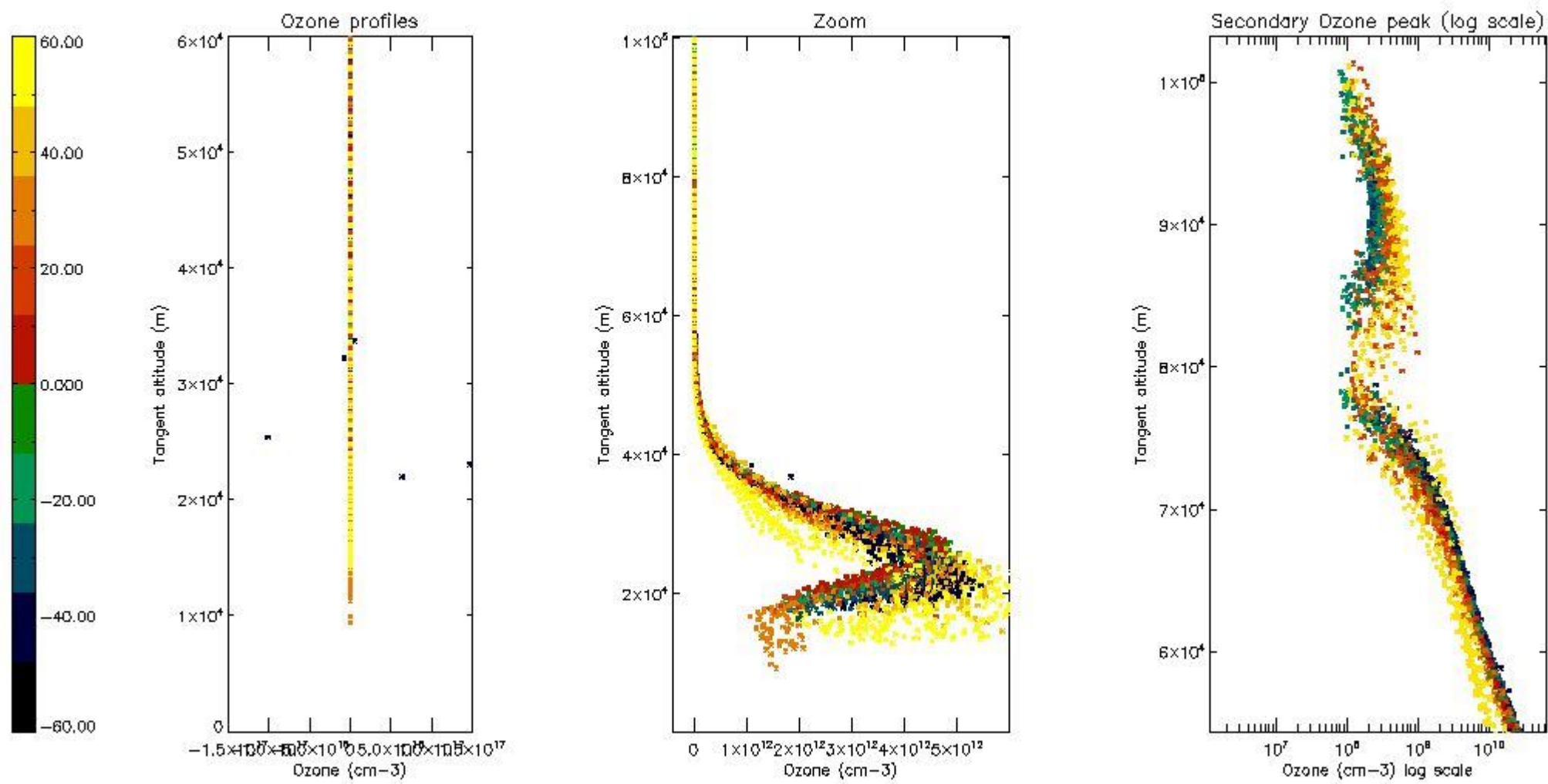
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



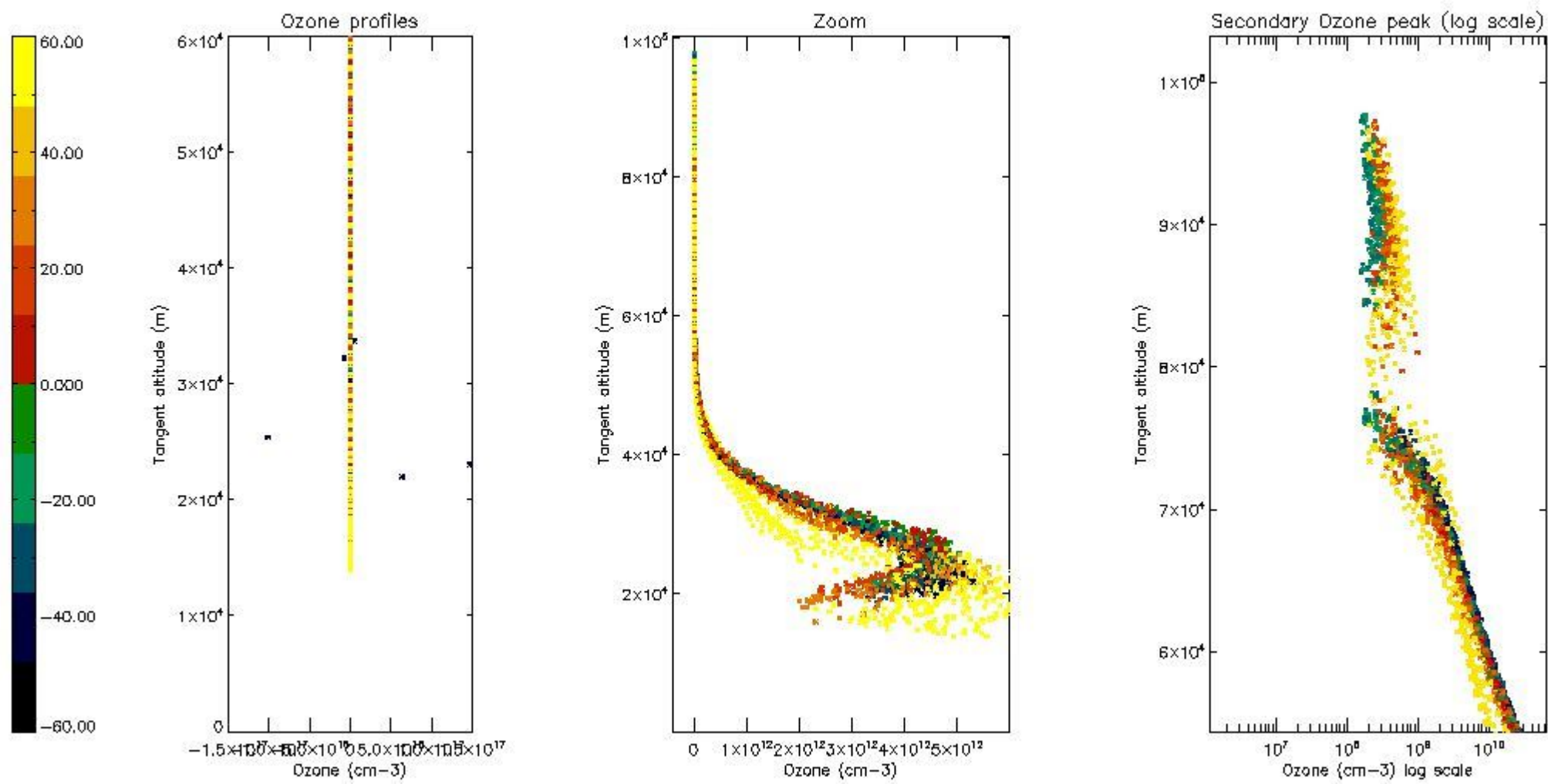
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



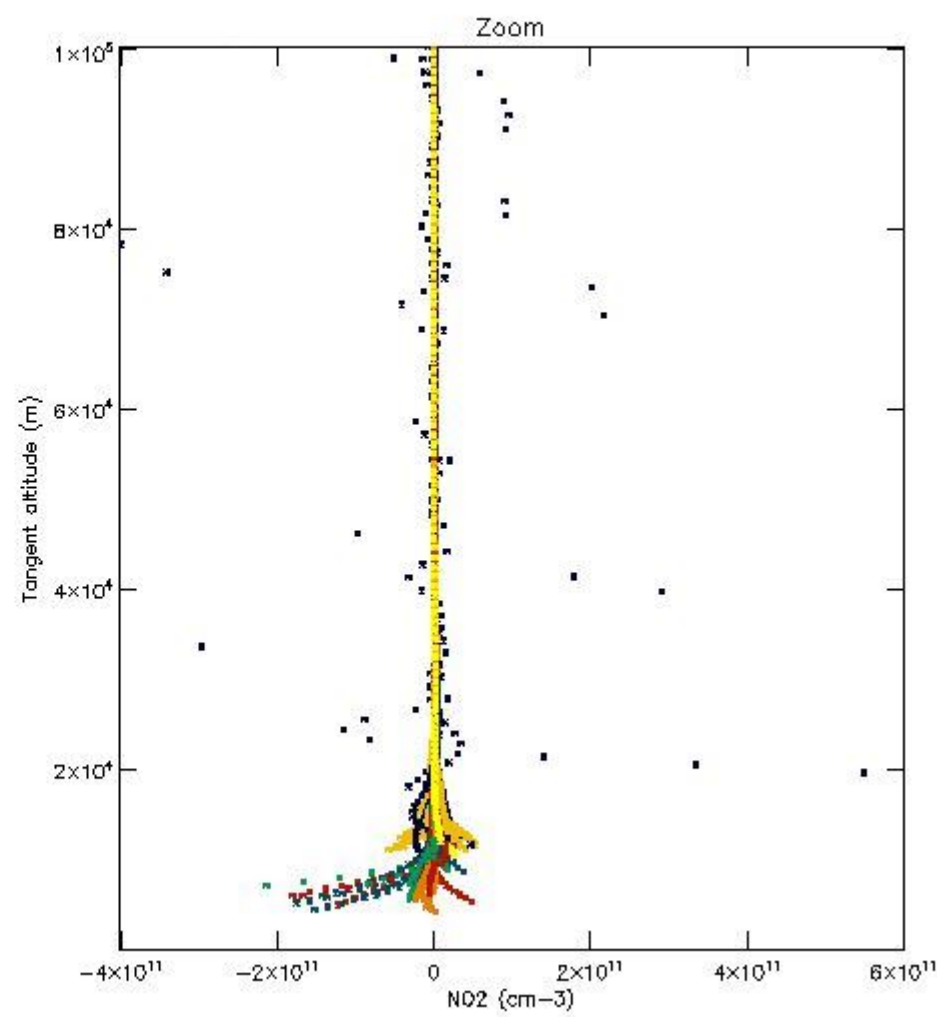
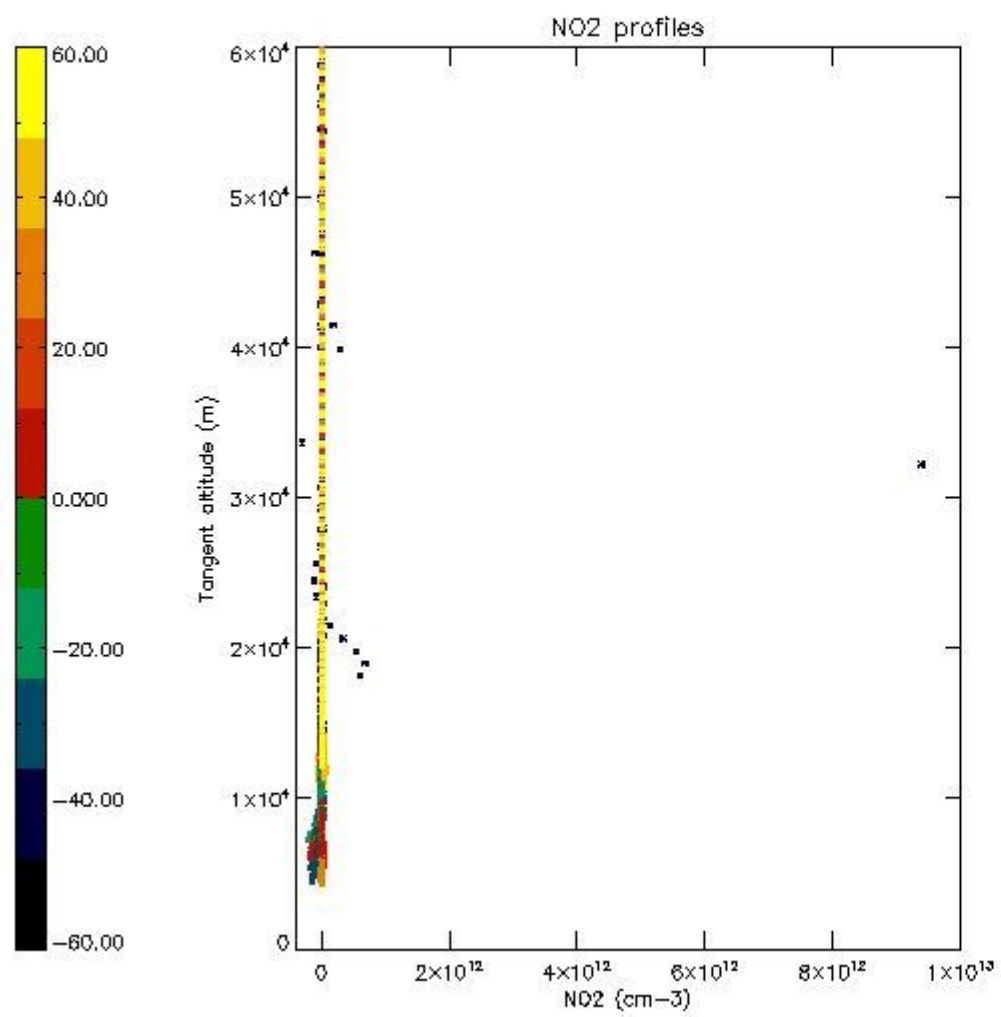
5.5 Plot ozone profiles where $STD < 5\%$ (dark without errors)

The colorbar represents the latitude.



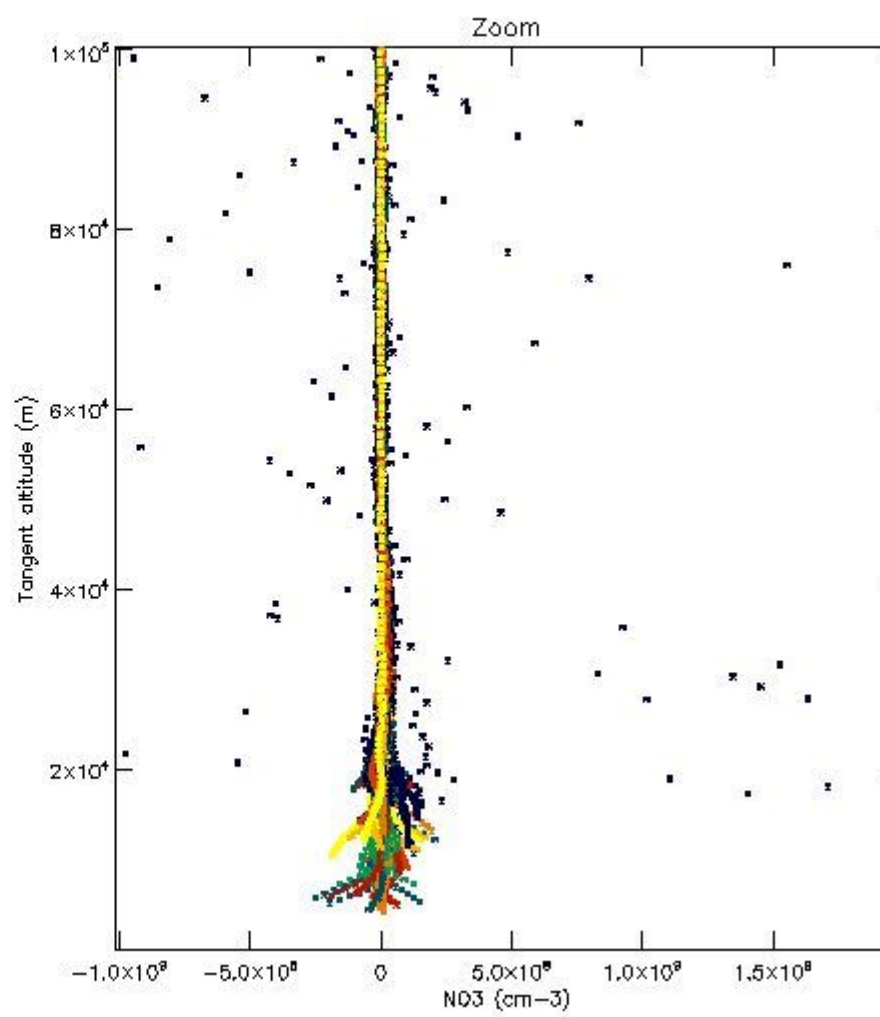
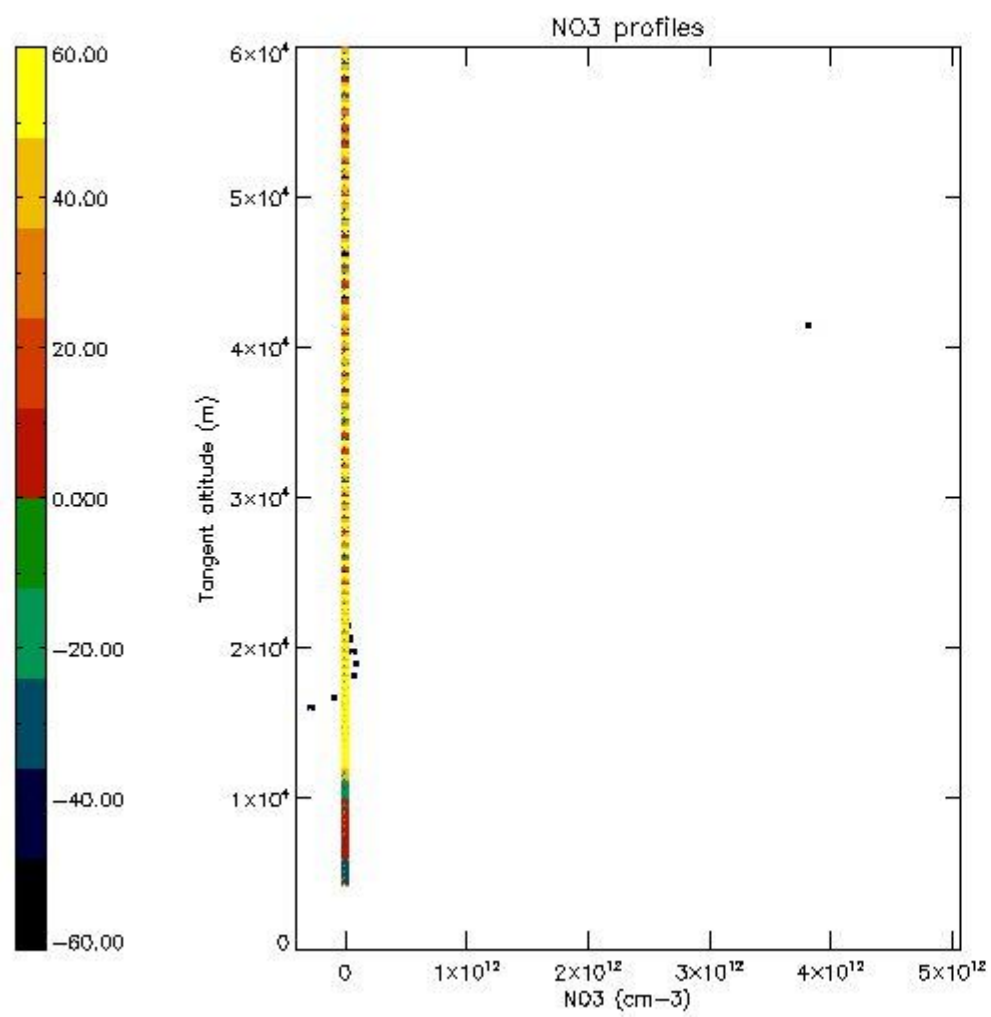
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



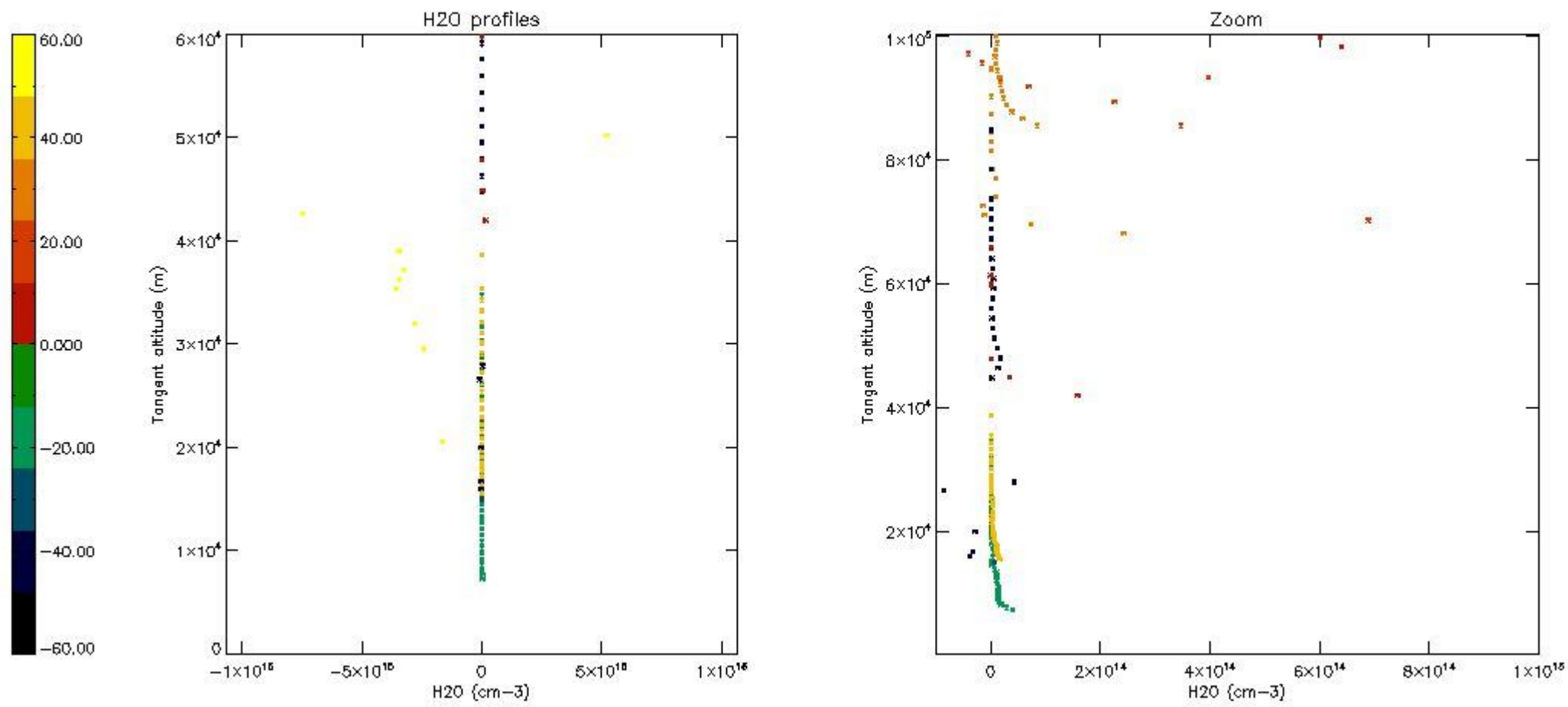
5.7 Plot NO3 profiles for all STD (dark without errors)

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)

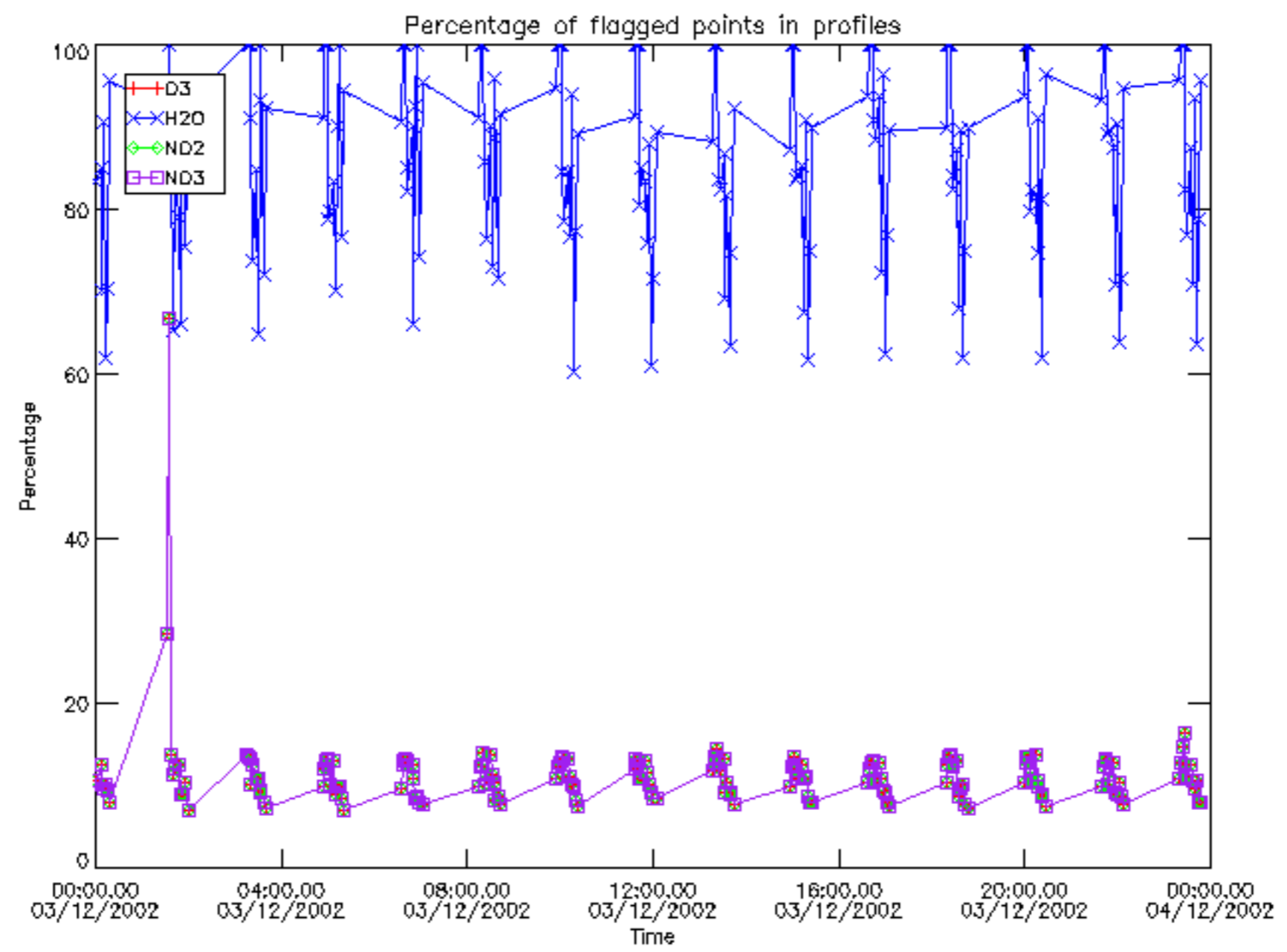
The colorbar represents the latitude.



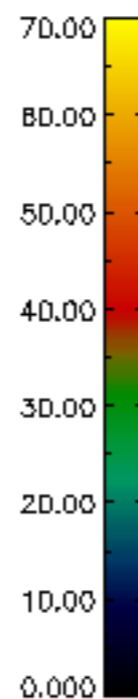
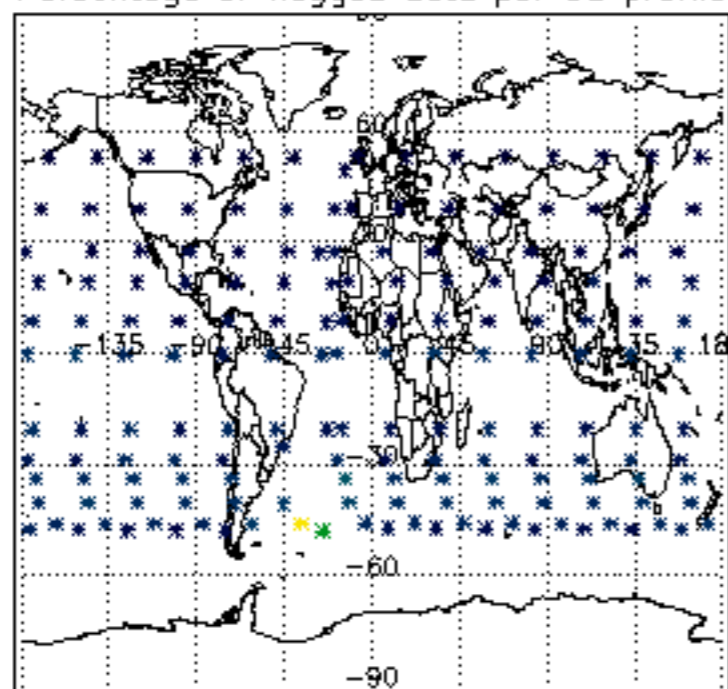
6. Auxiliary Data Files used for the production reported in section 2

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.

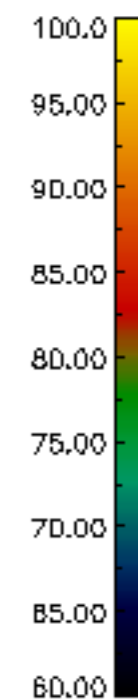
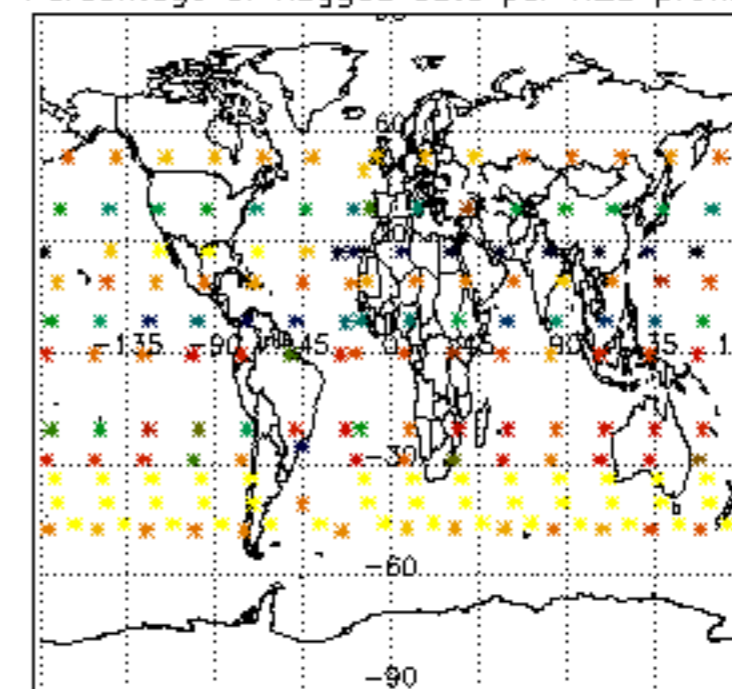
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150440_20020301_000000_20100101_000000	1	03-DEC-2002 00:01:05
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	03-DEC-2002 00:01:05
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	03-DEC-2002 00:01:05



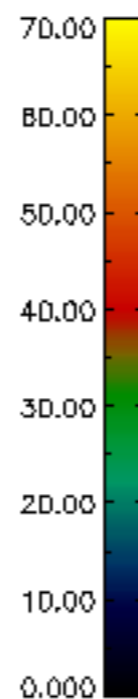
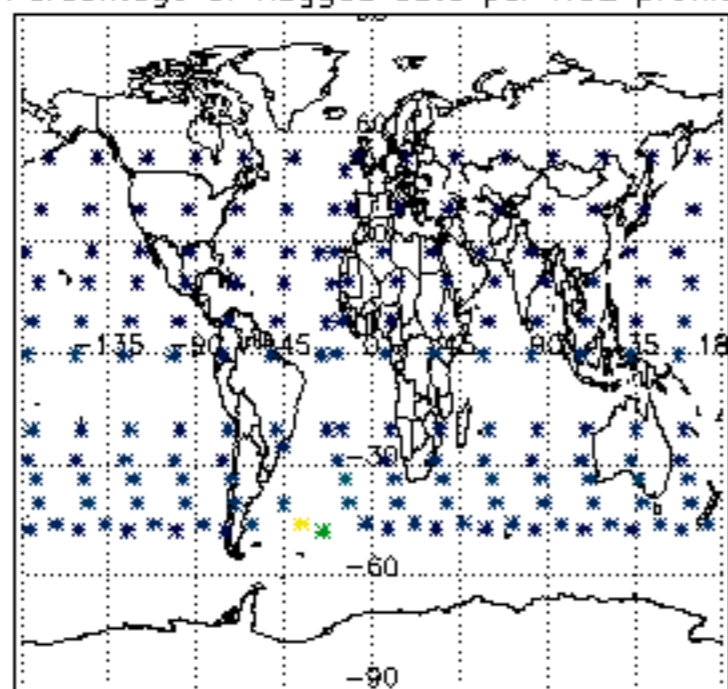
Percentage of flagged data per D3 profile



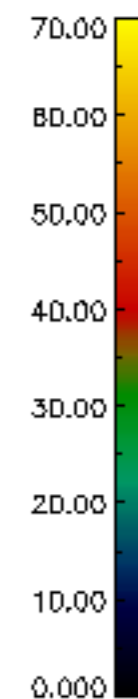
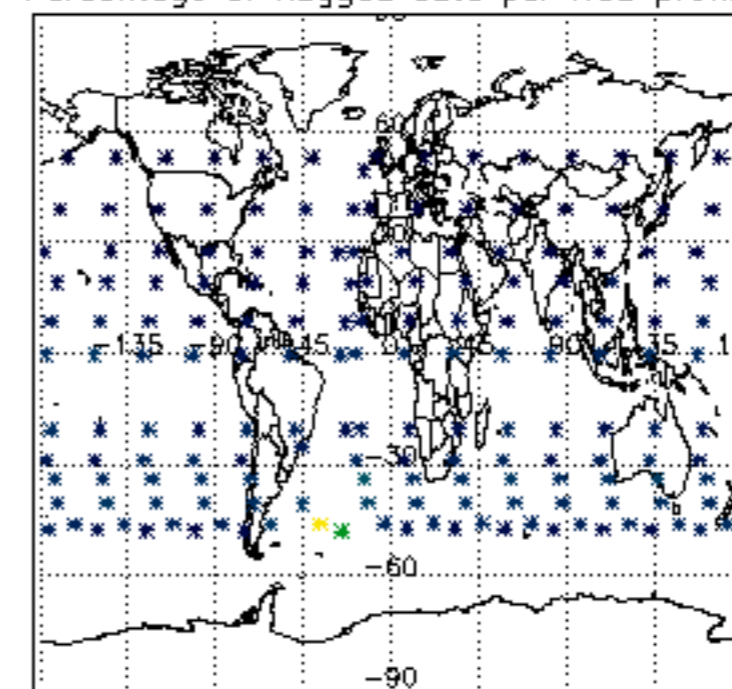
Percentage of flagged data per H2O profile

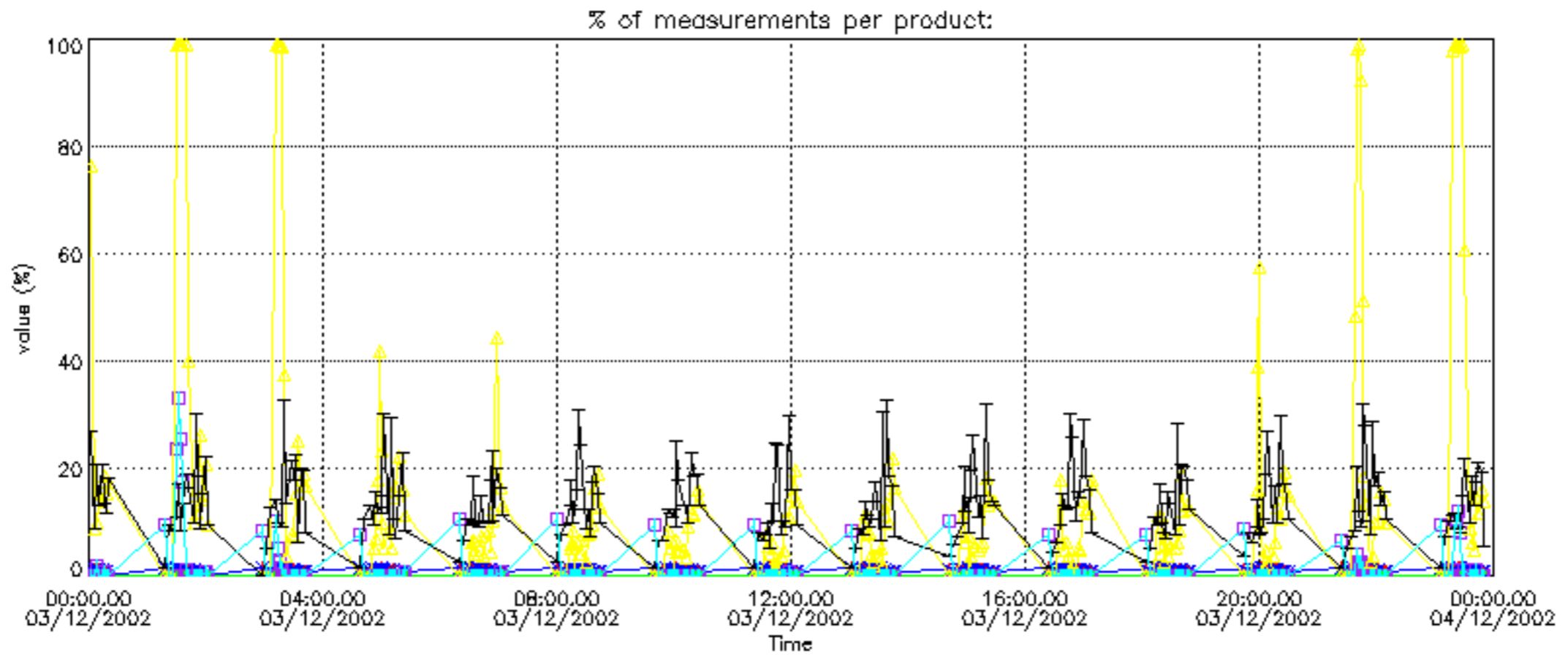


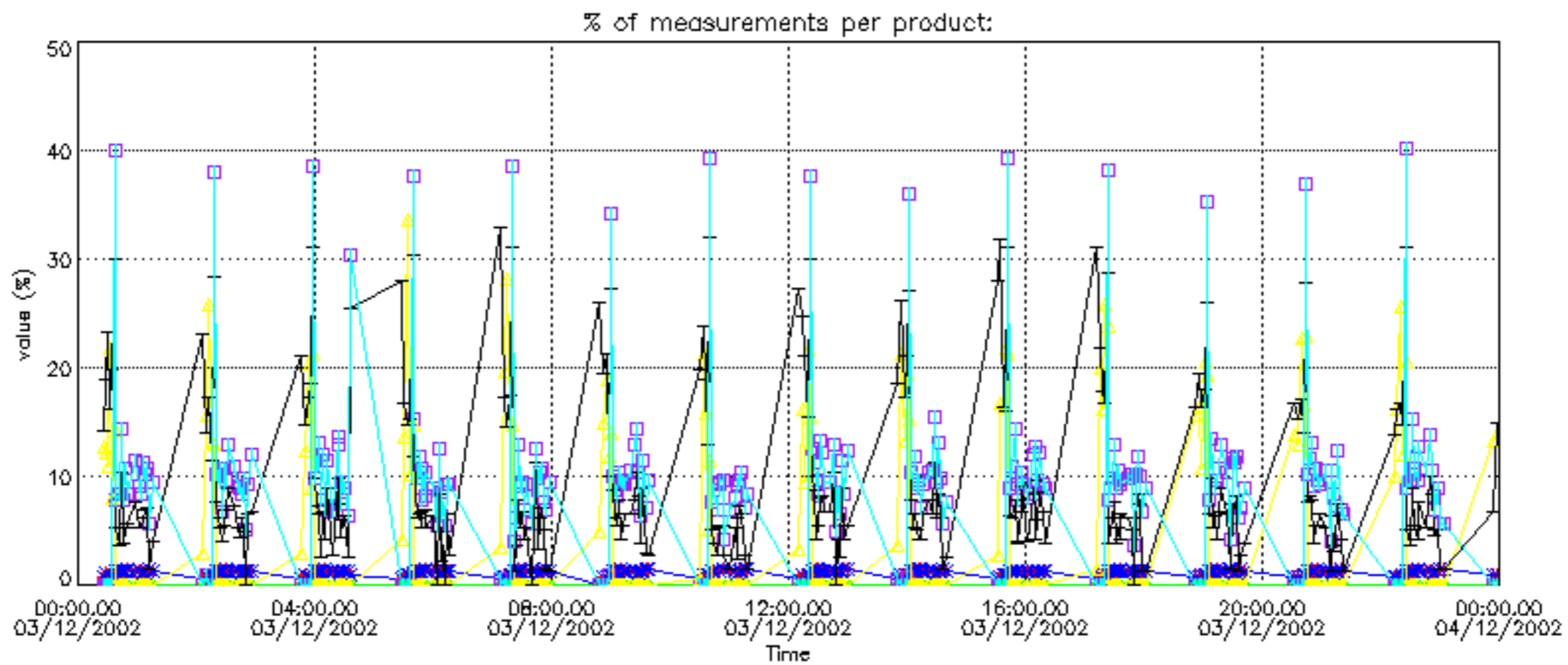
Percentage of flagged data per NO2 profile



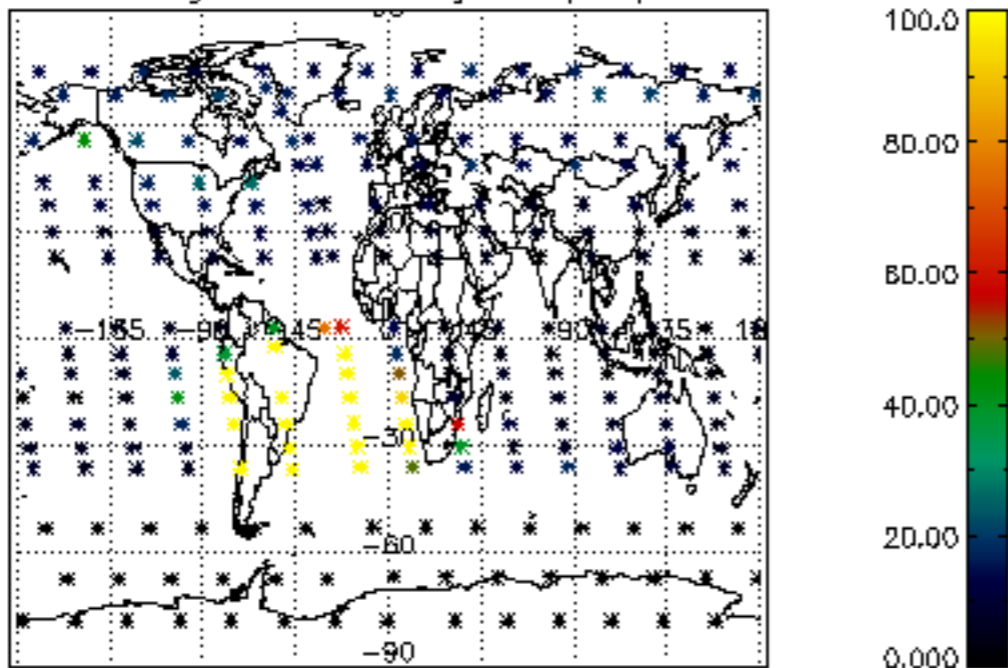
Percentage of flagged data per NO3 profile



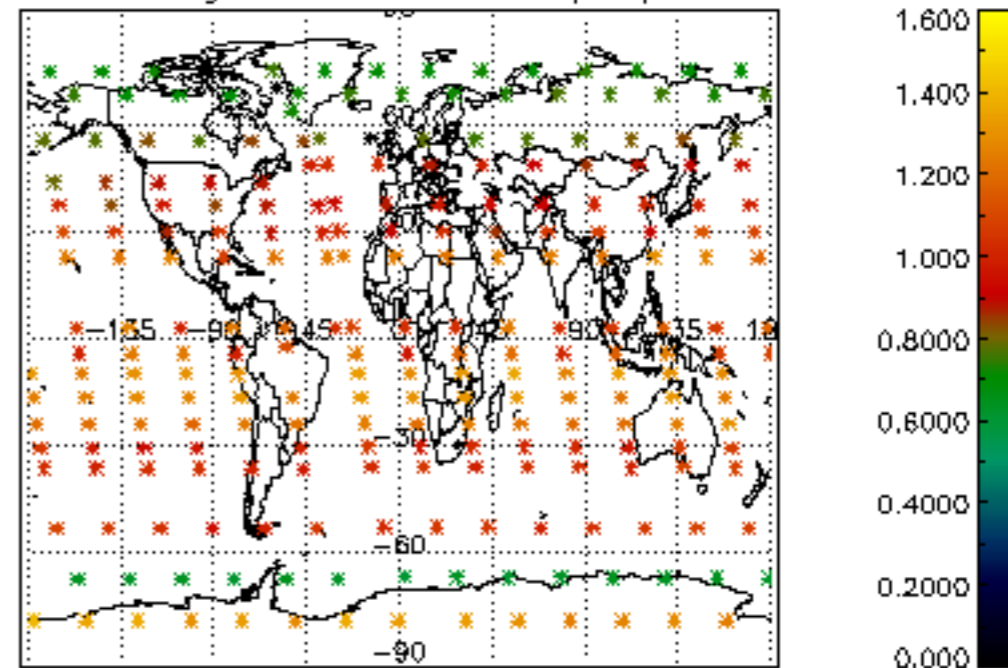




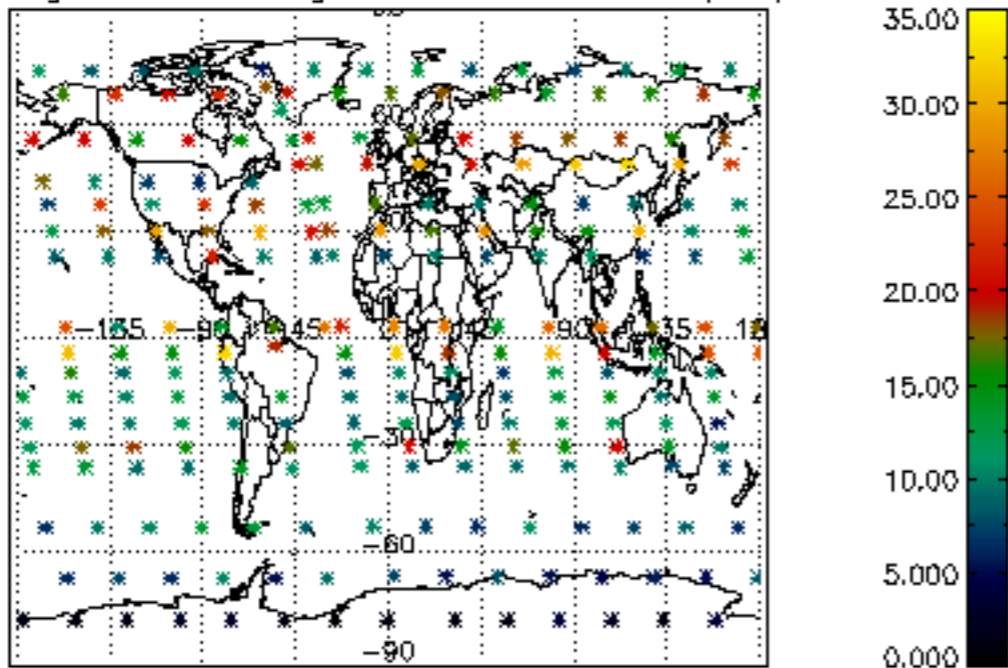
Percentage of cosmic ray hits per profile



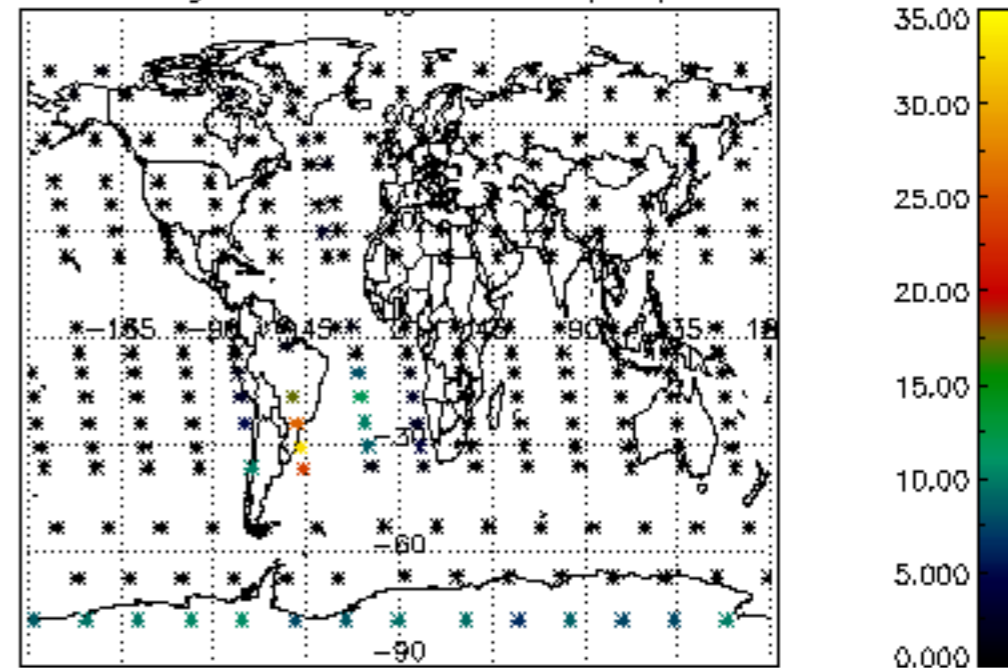
Percentage of datation errors per profile



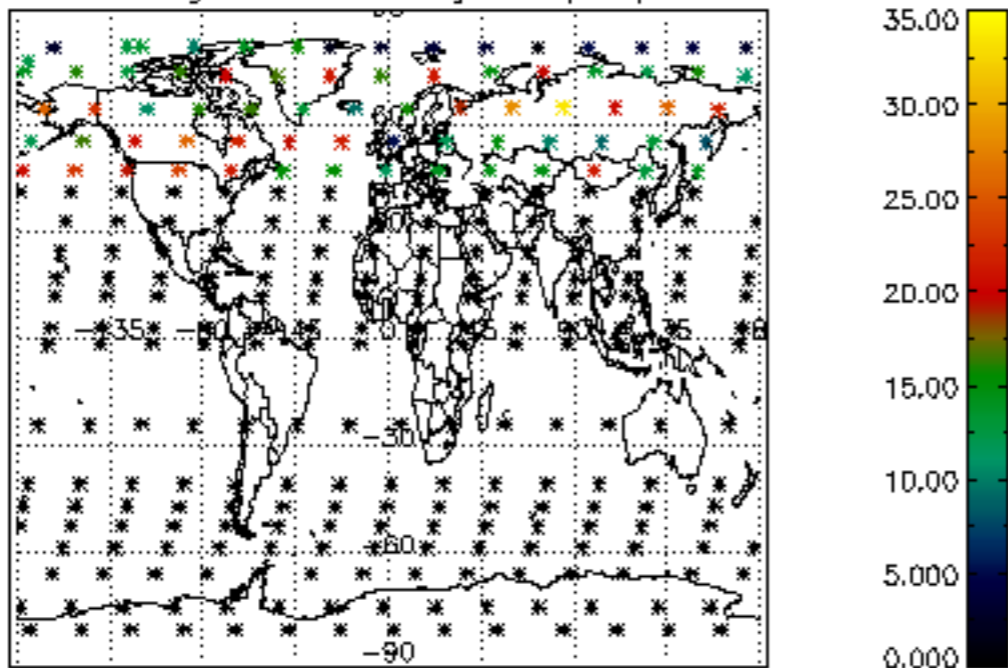
Percentage of star falling outside central band per profile



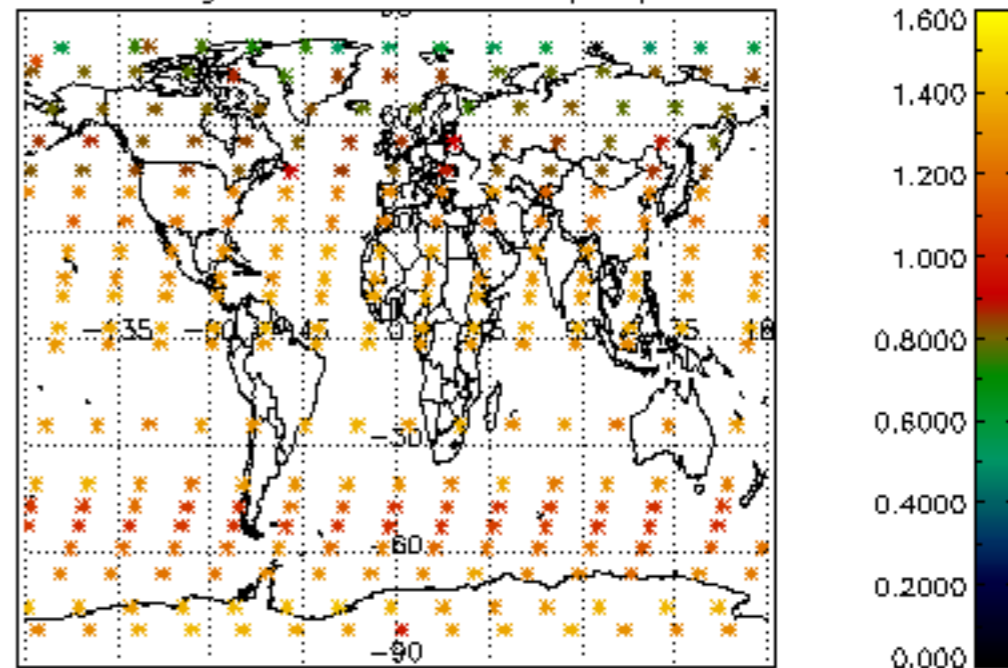
Percentage of saturation errors per profile



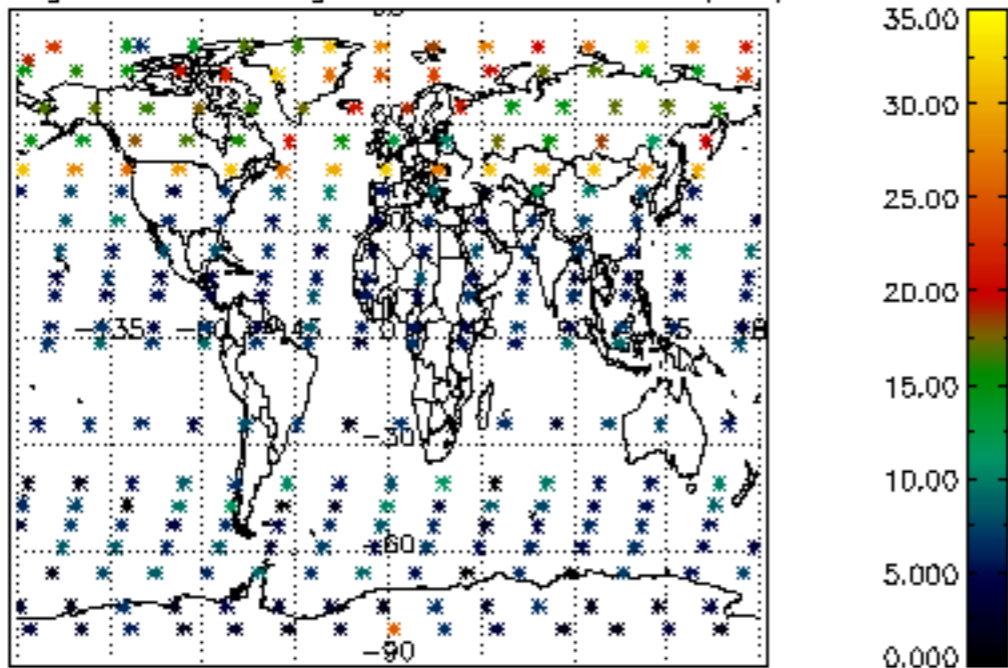
Percentage of cosmic ray hits per profile



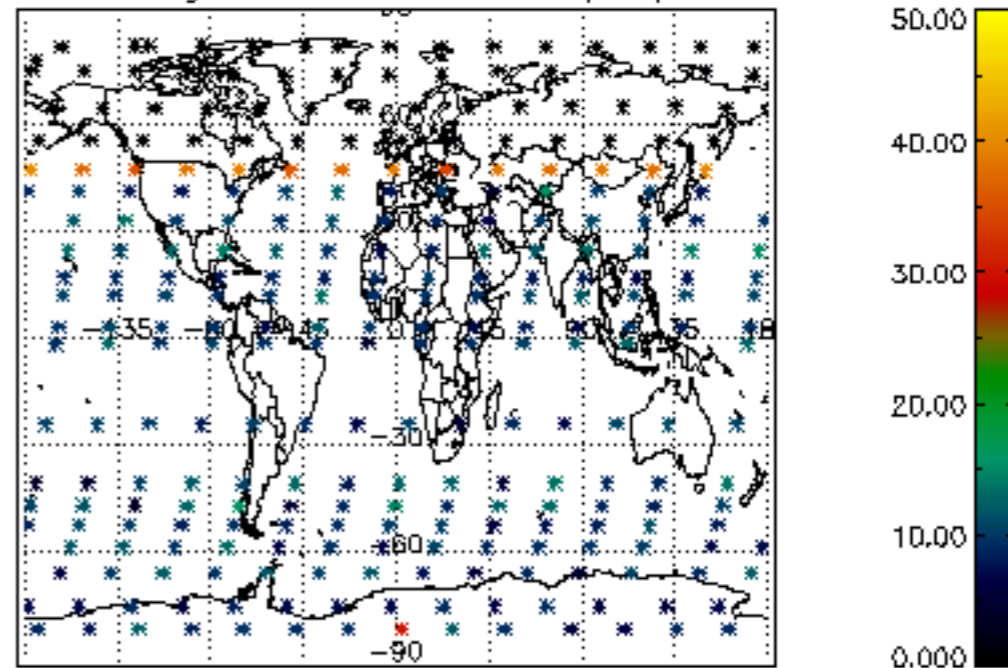
Percentage of datation errors per profile

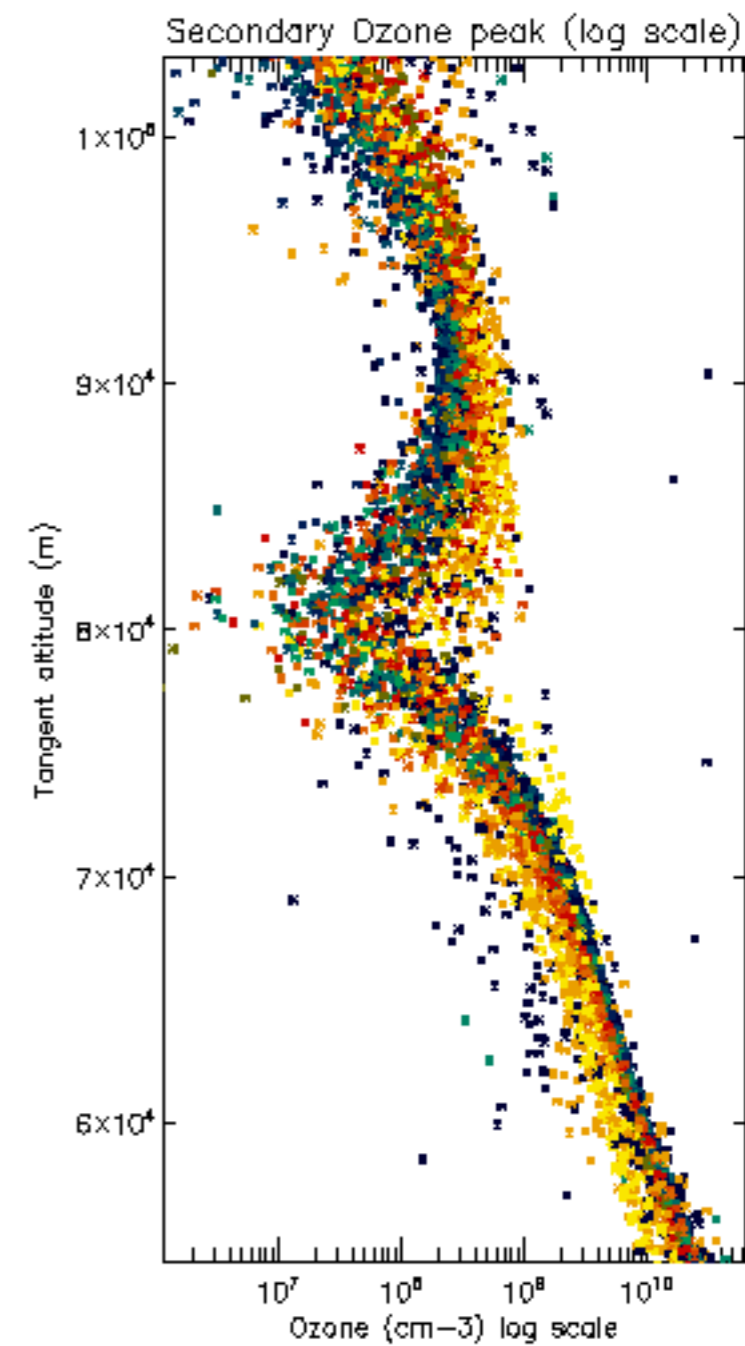
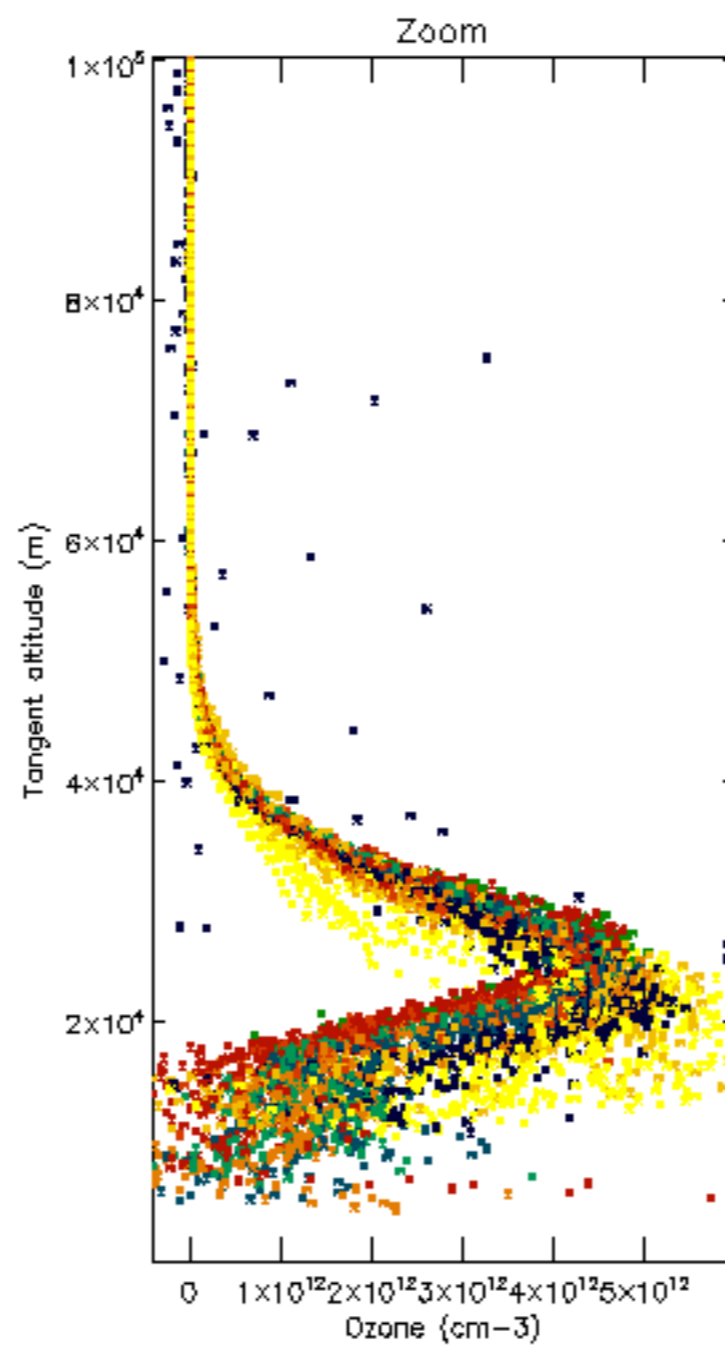
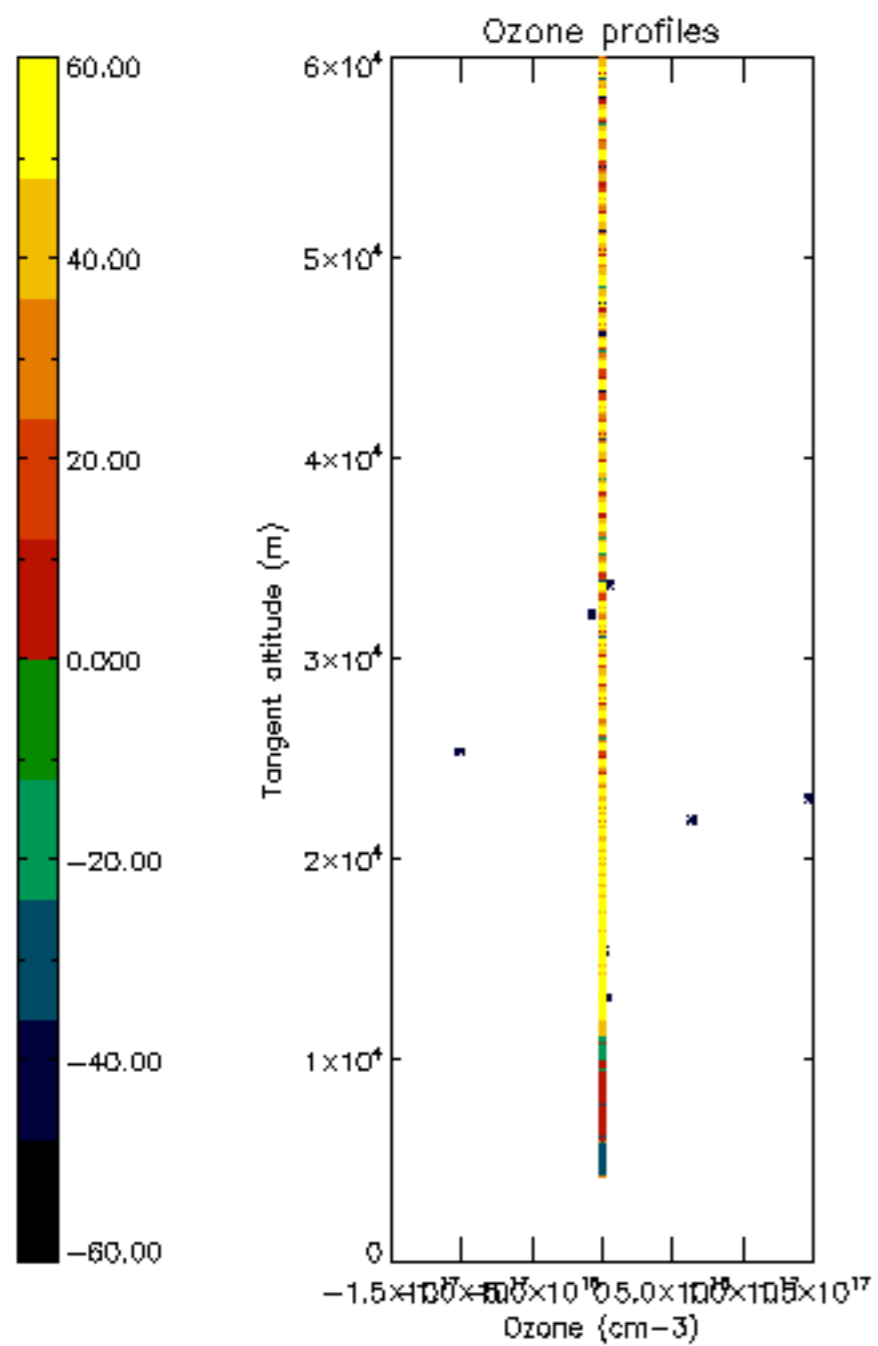


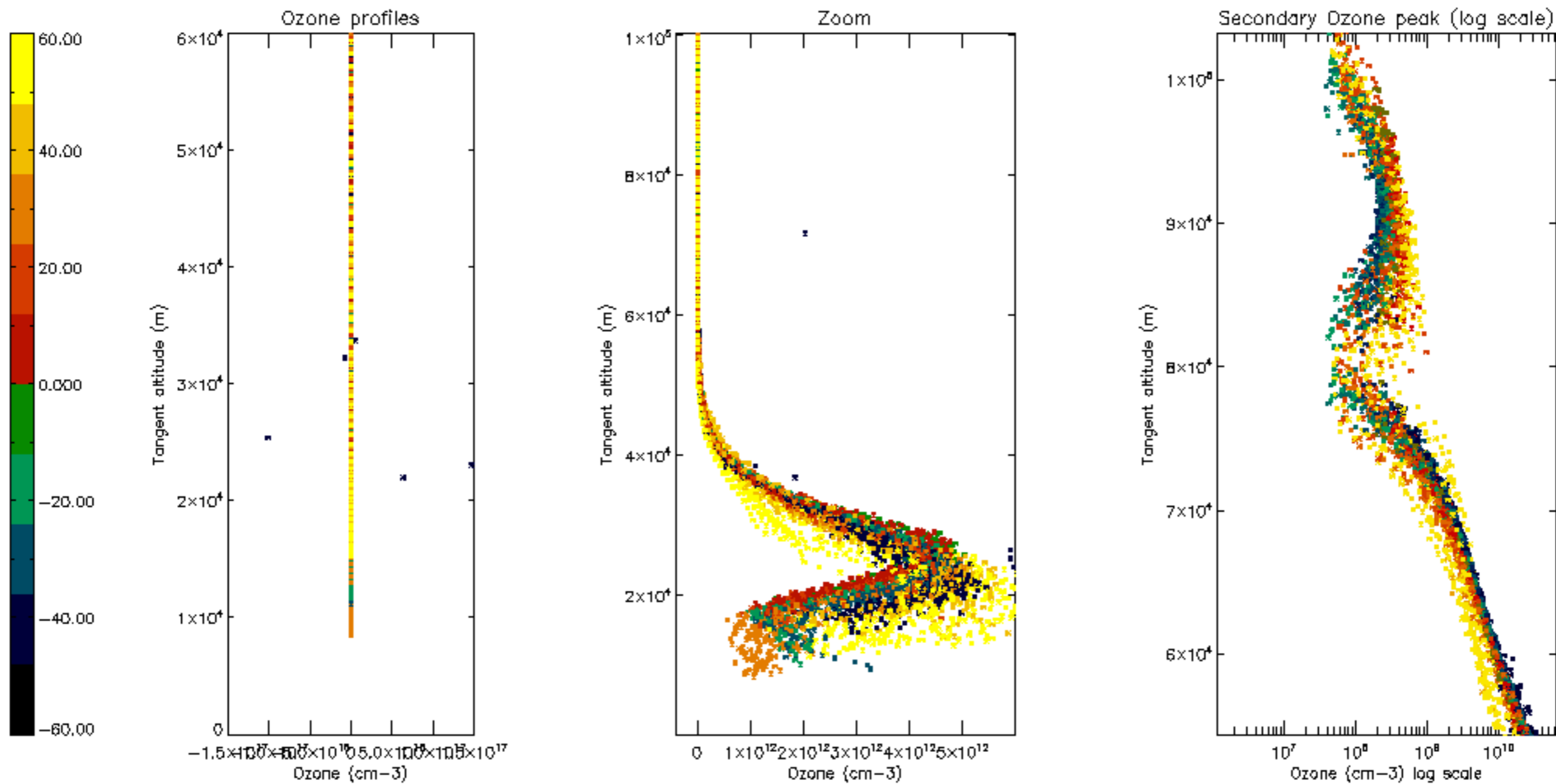
Percentage of star falling outside central band per profile

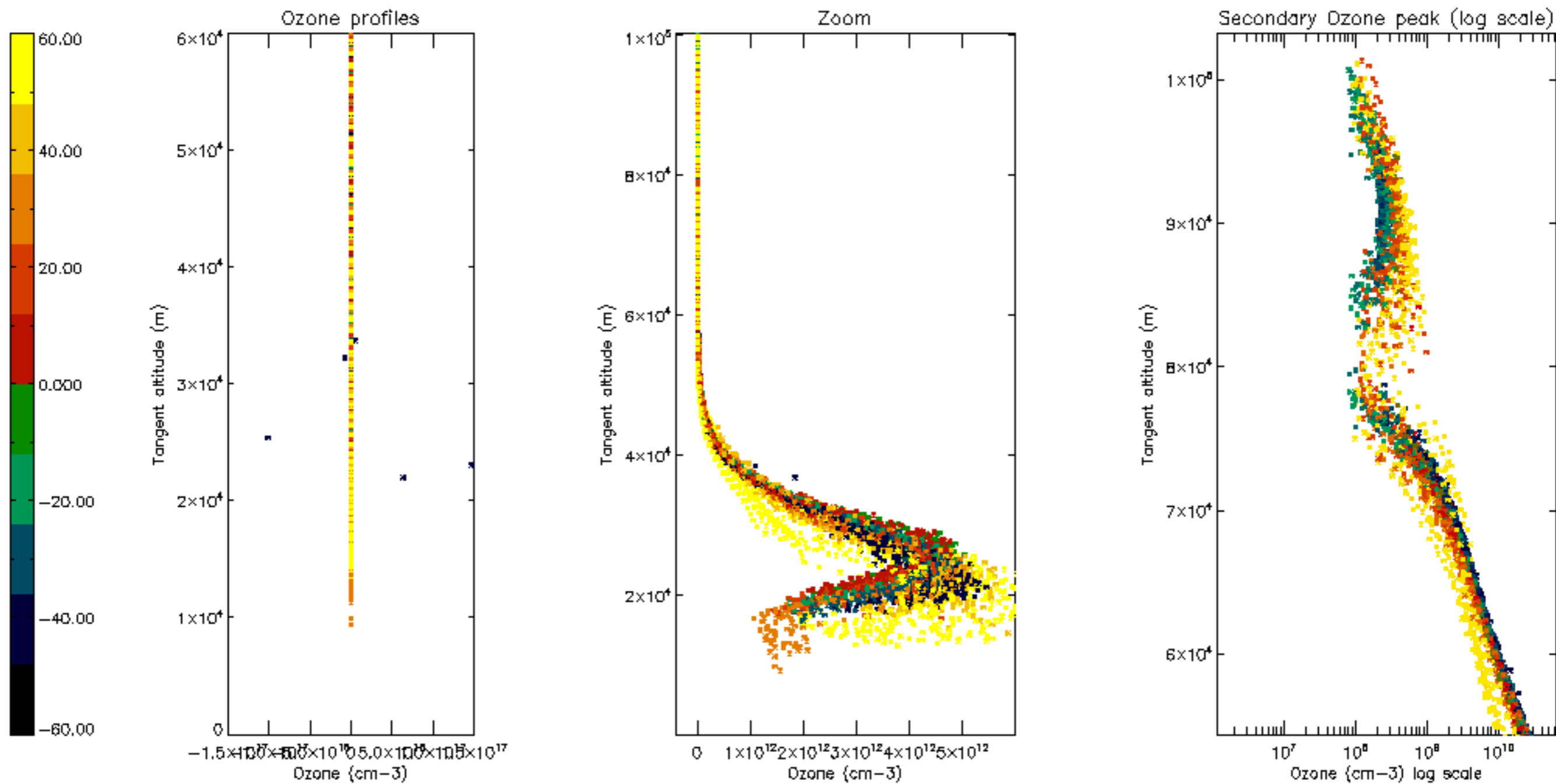


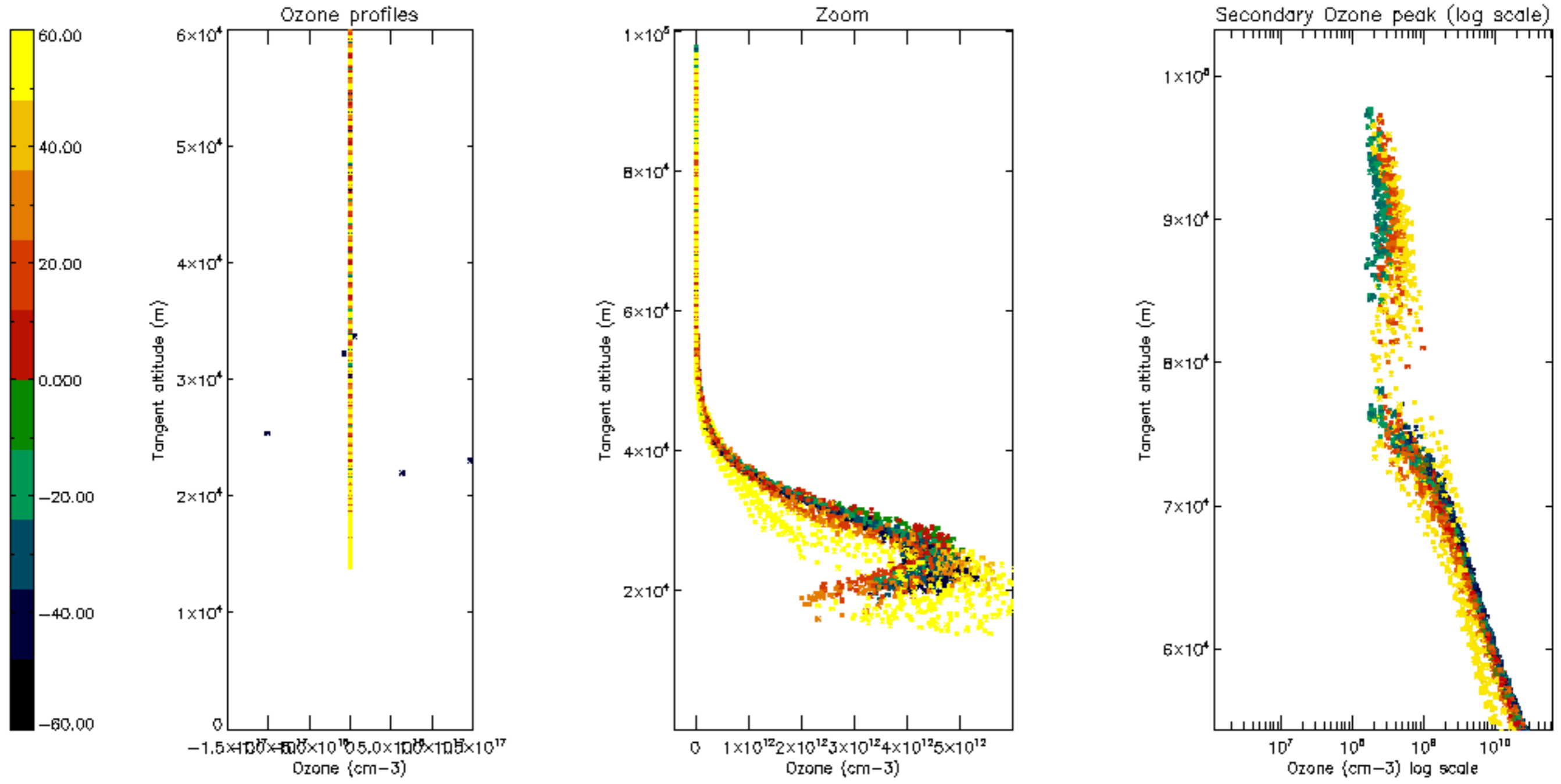
Percentage of saturation errors per profile

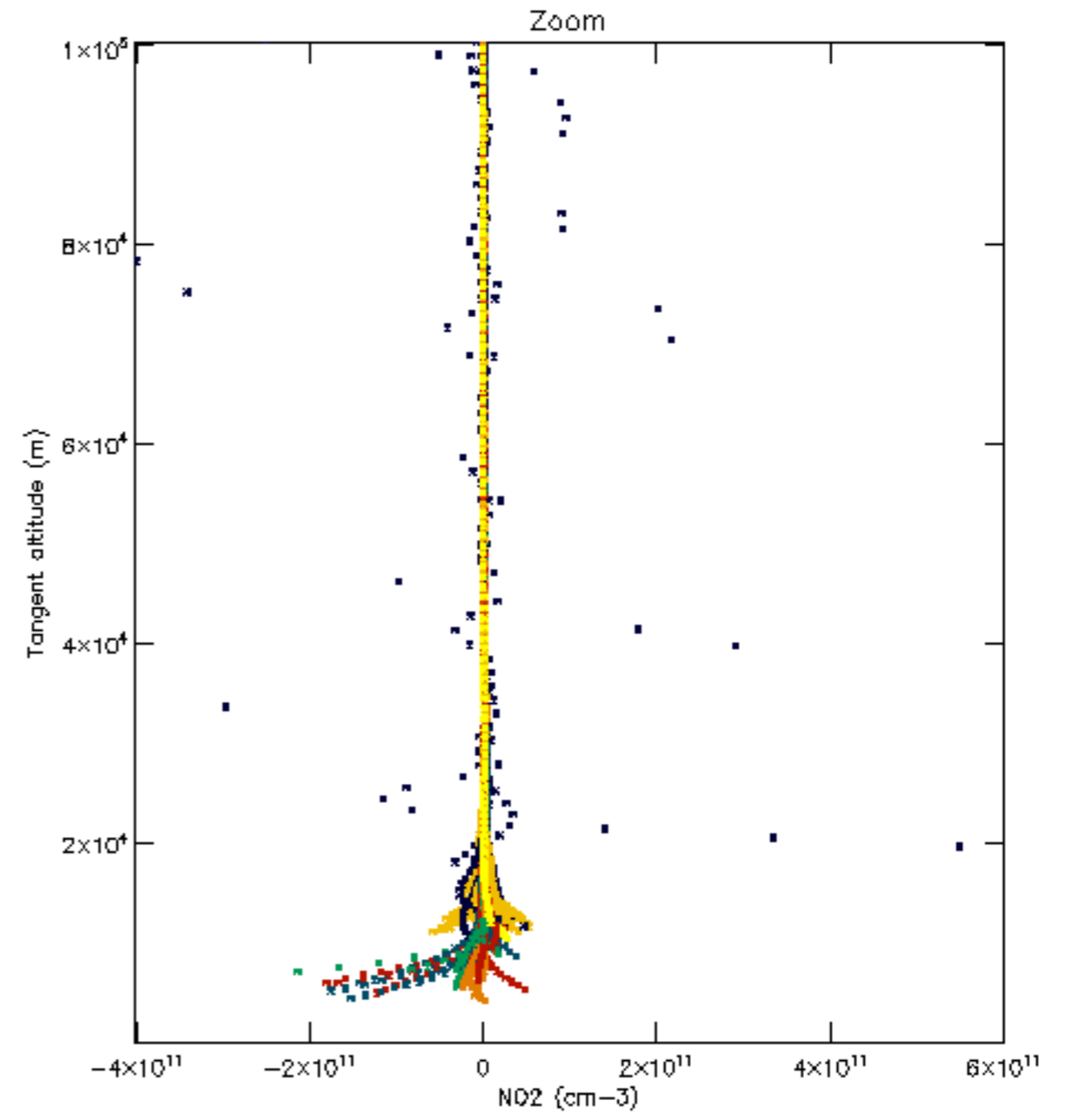
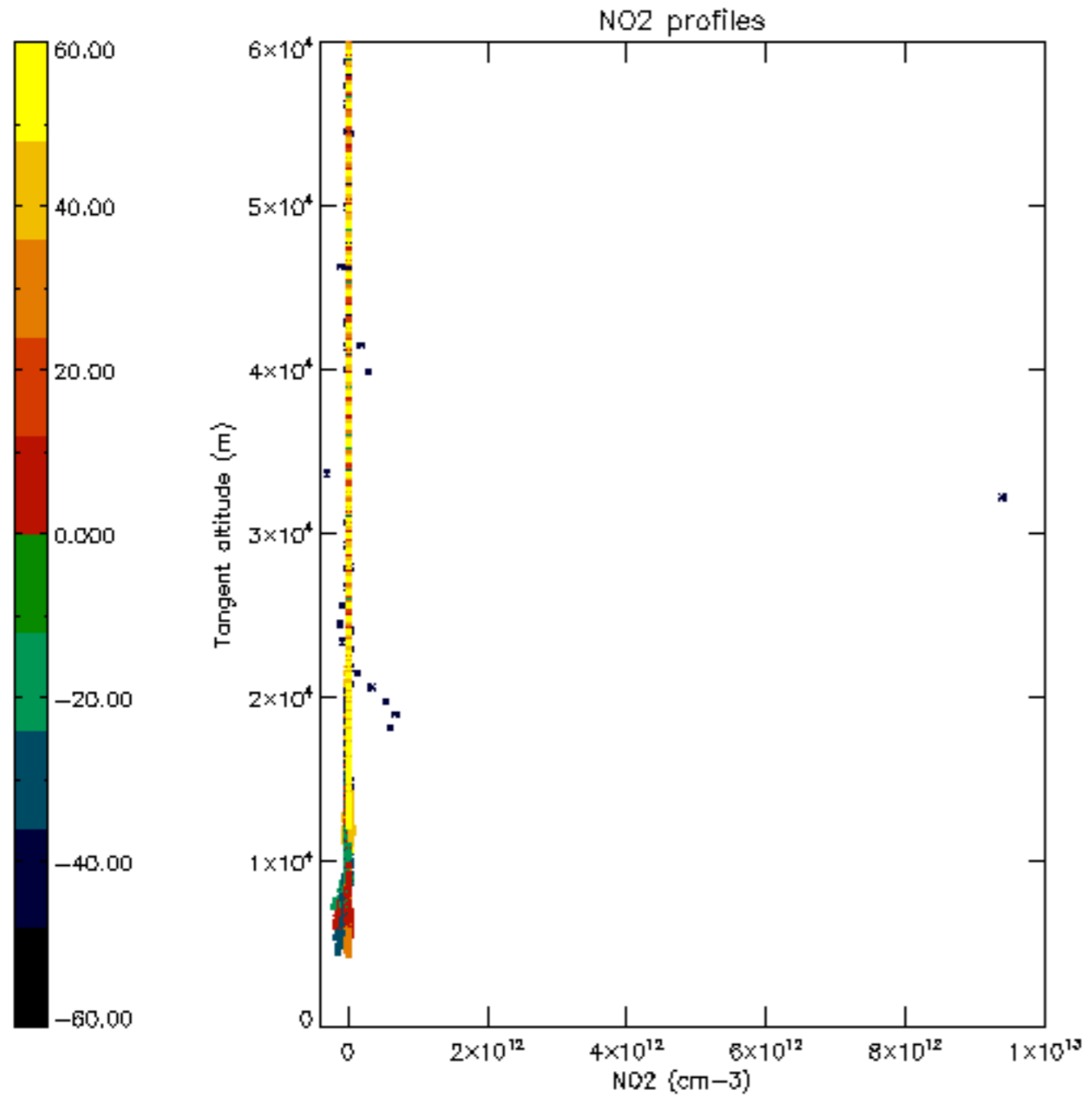


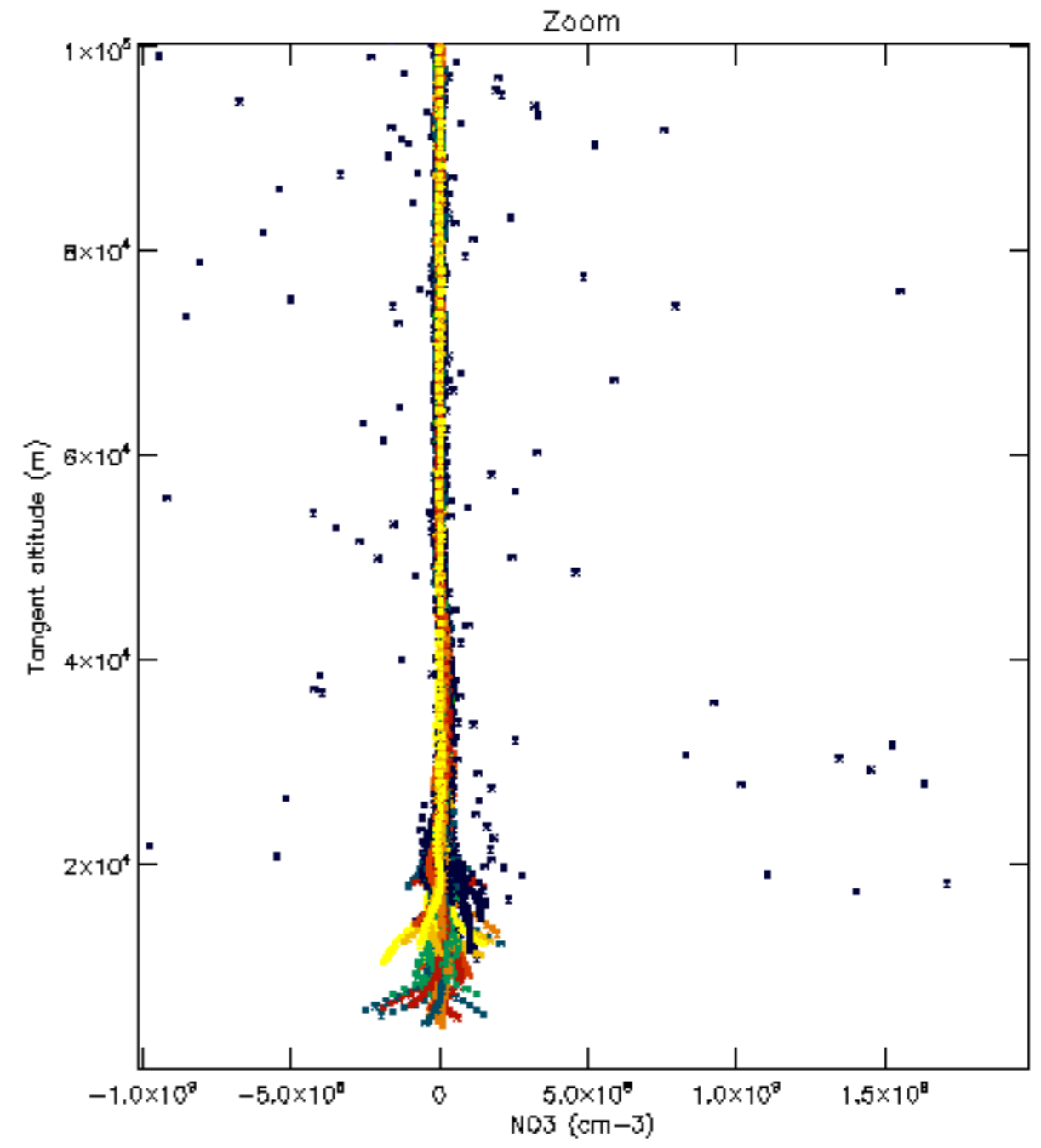
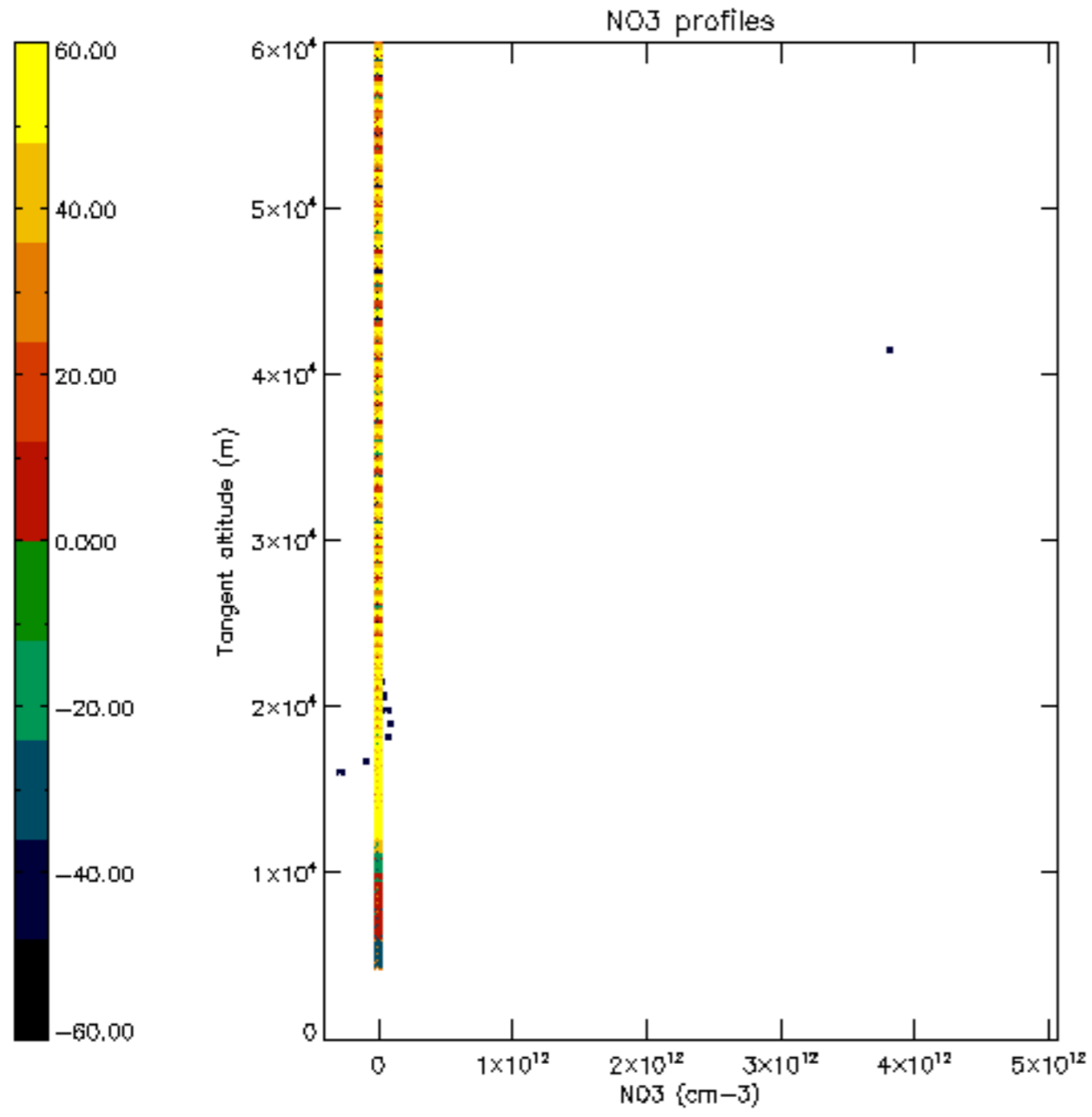


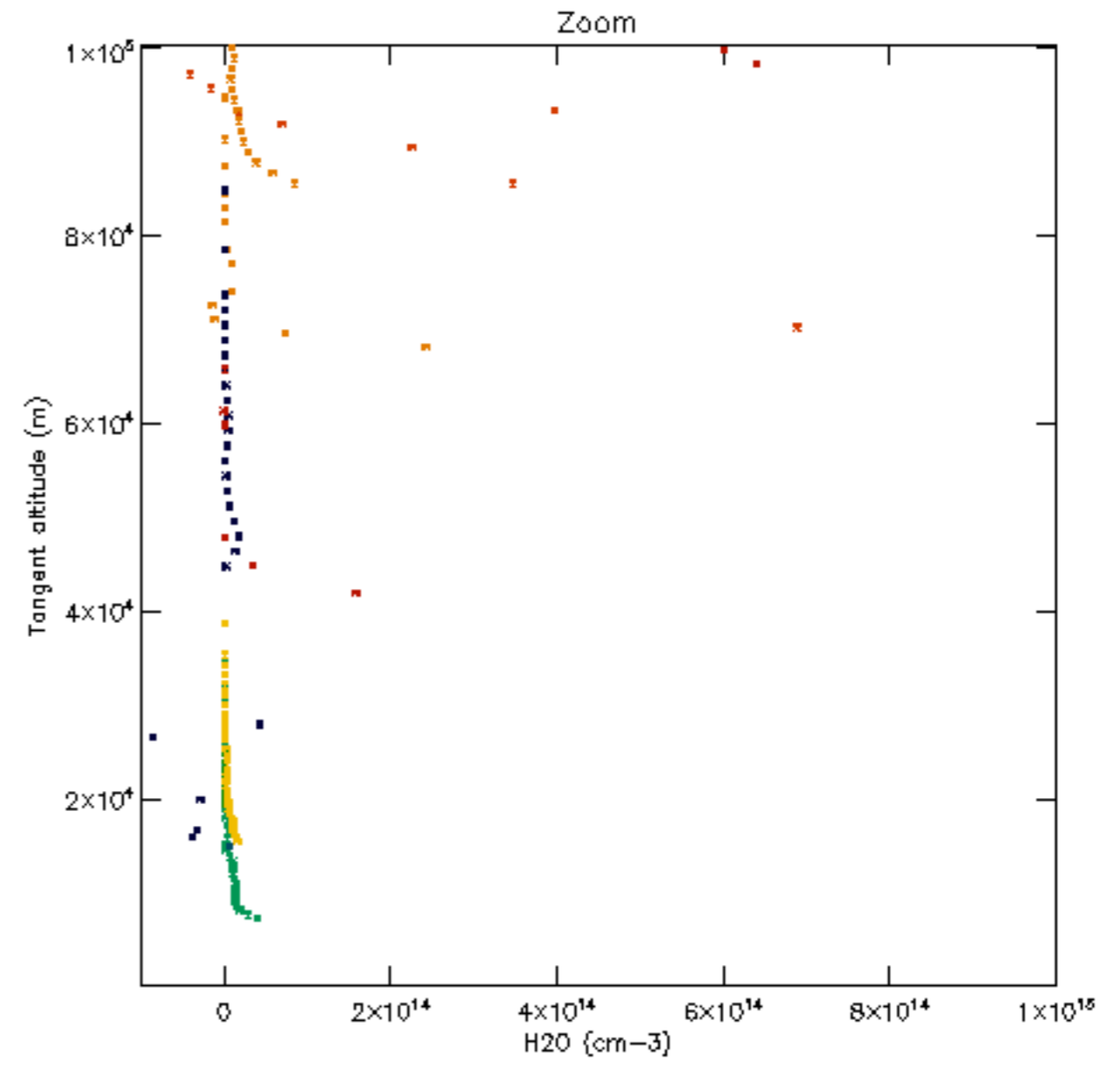
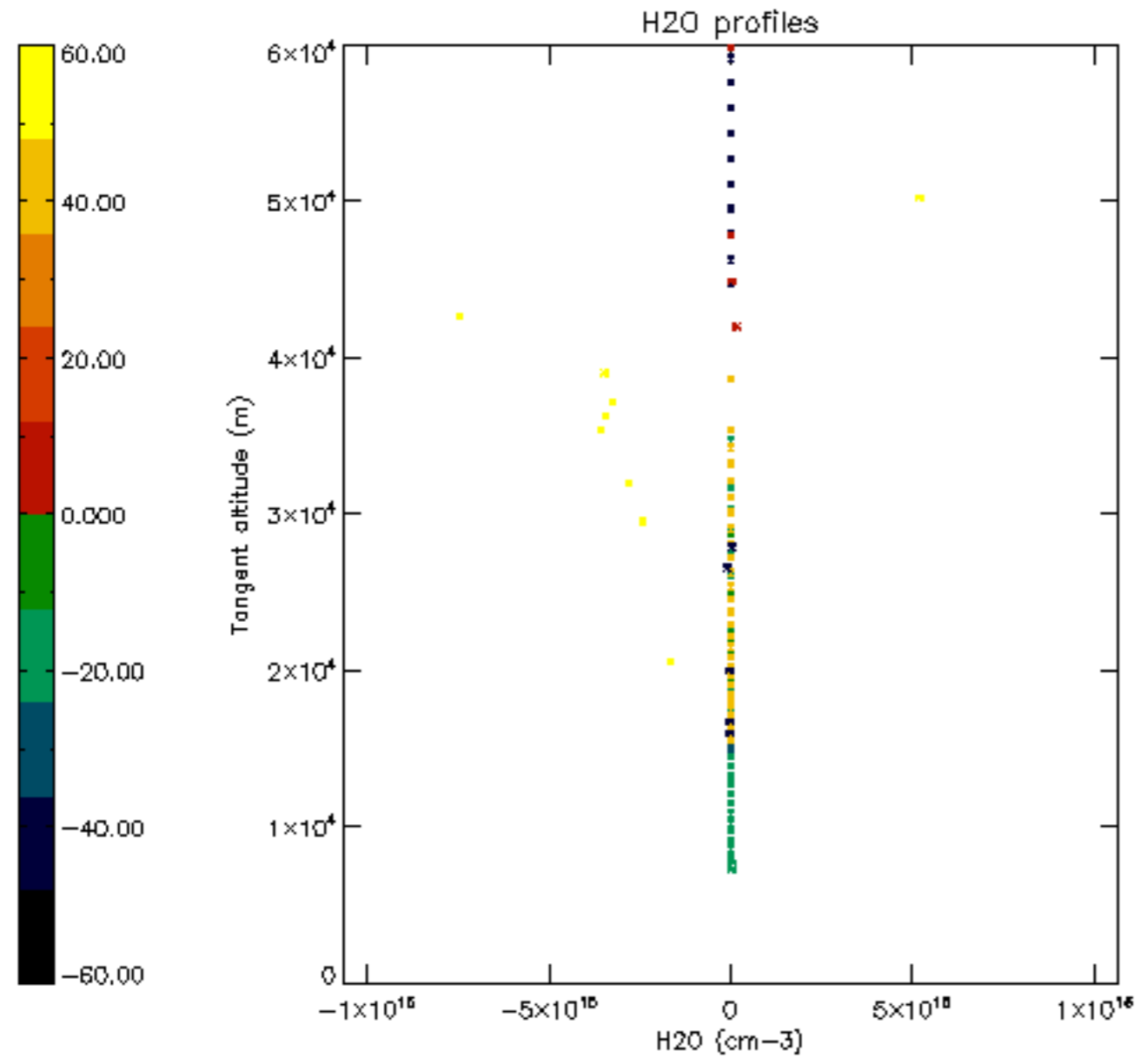


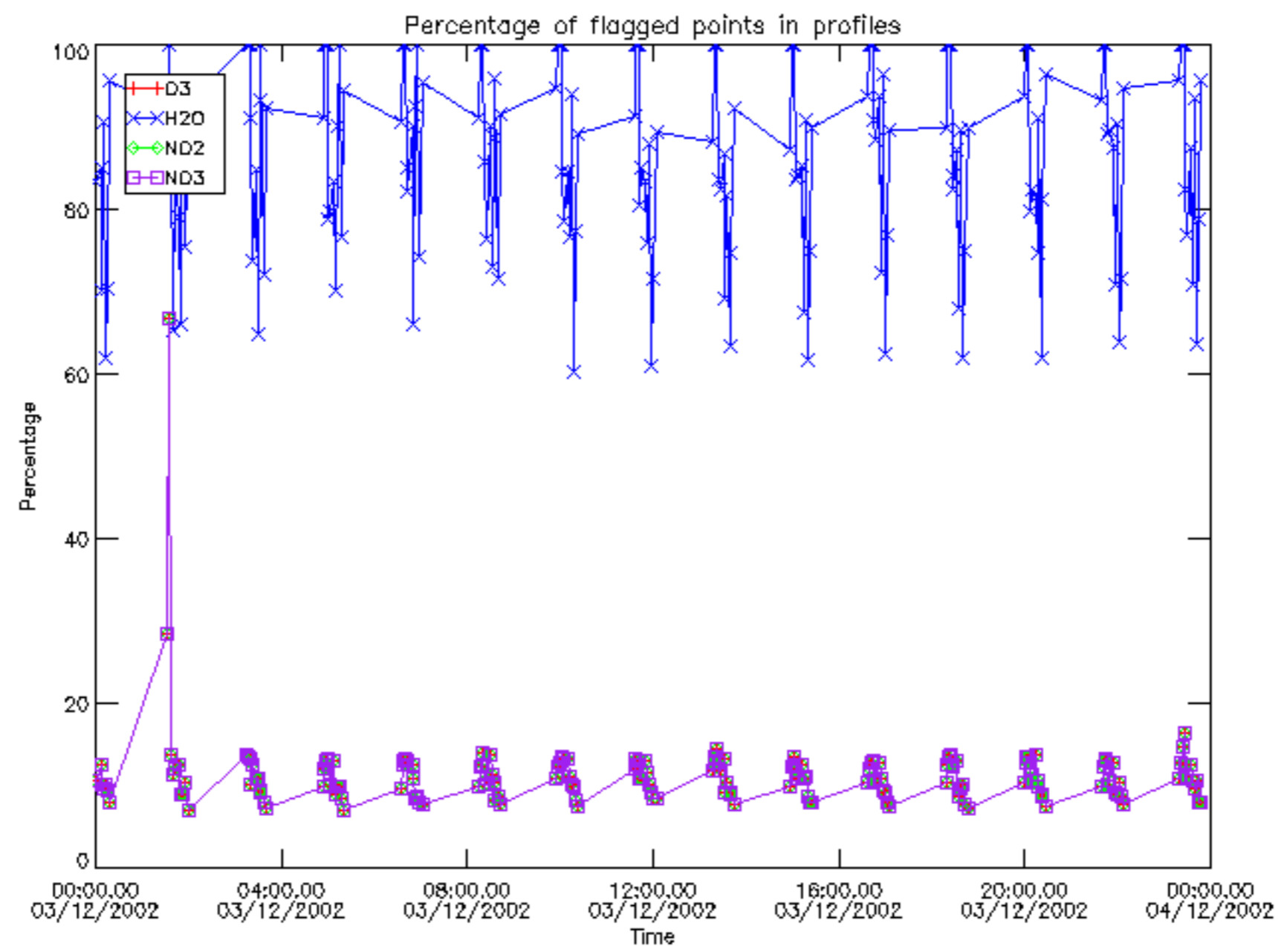




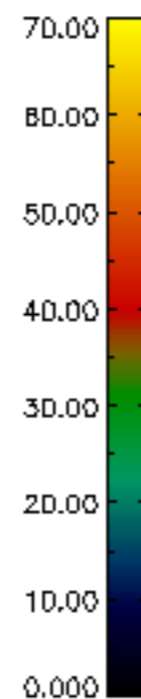
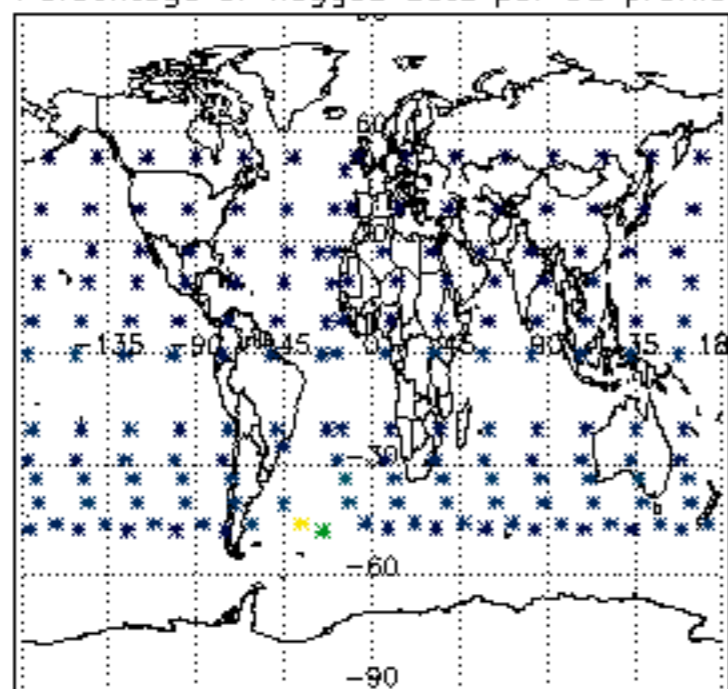




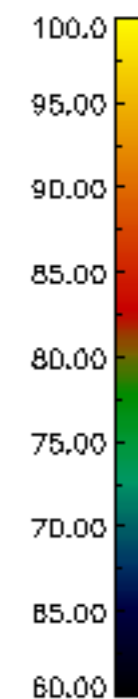
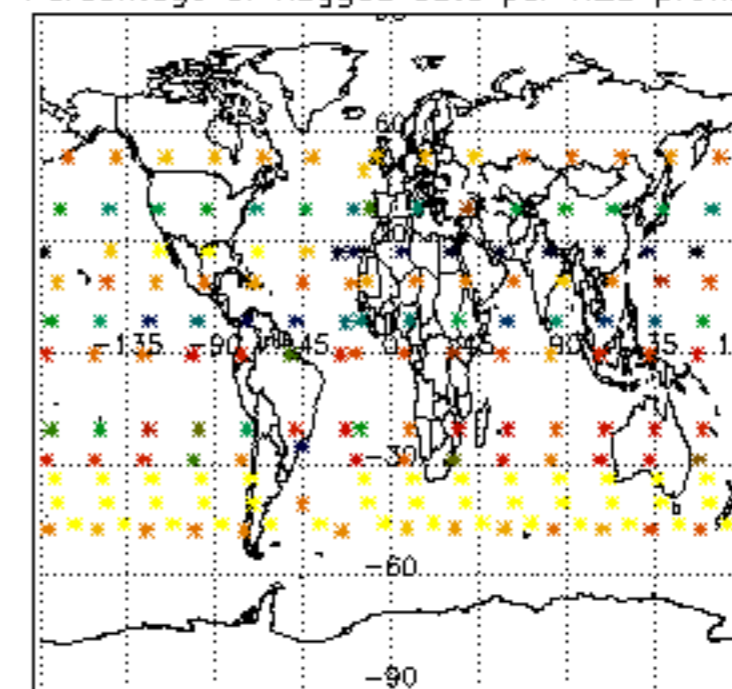




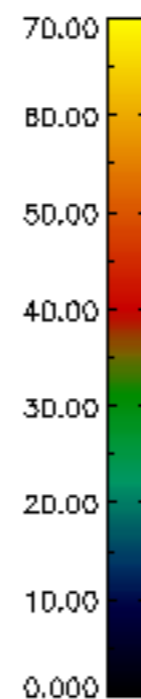
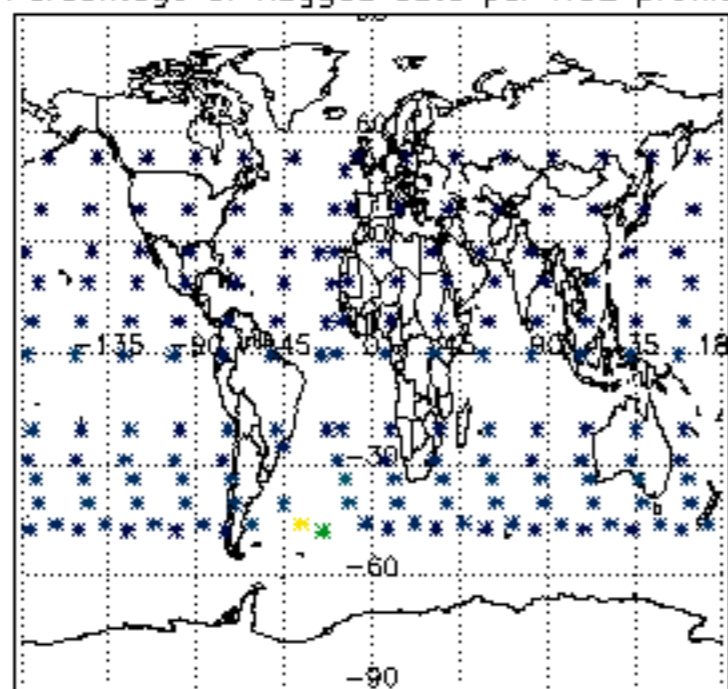
Percentage of flagged data per D3 profile



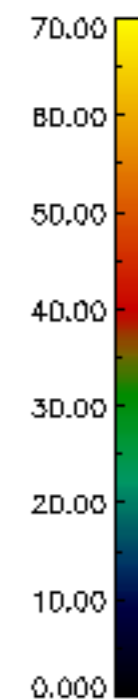
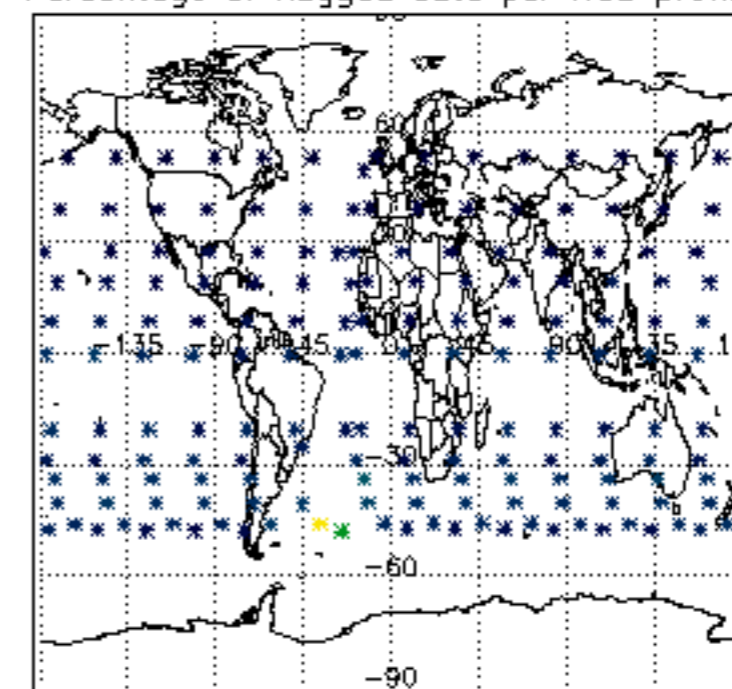
Percentage of flagged data per H2O profile

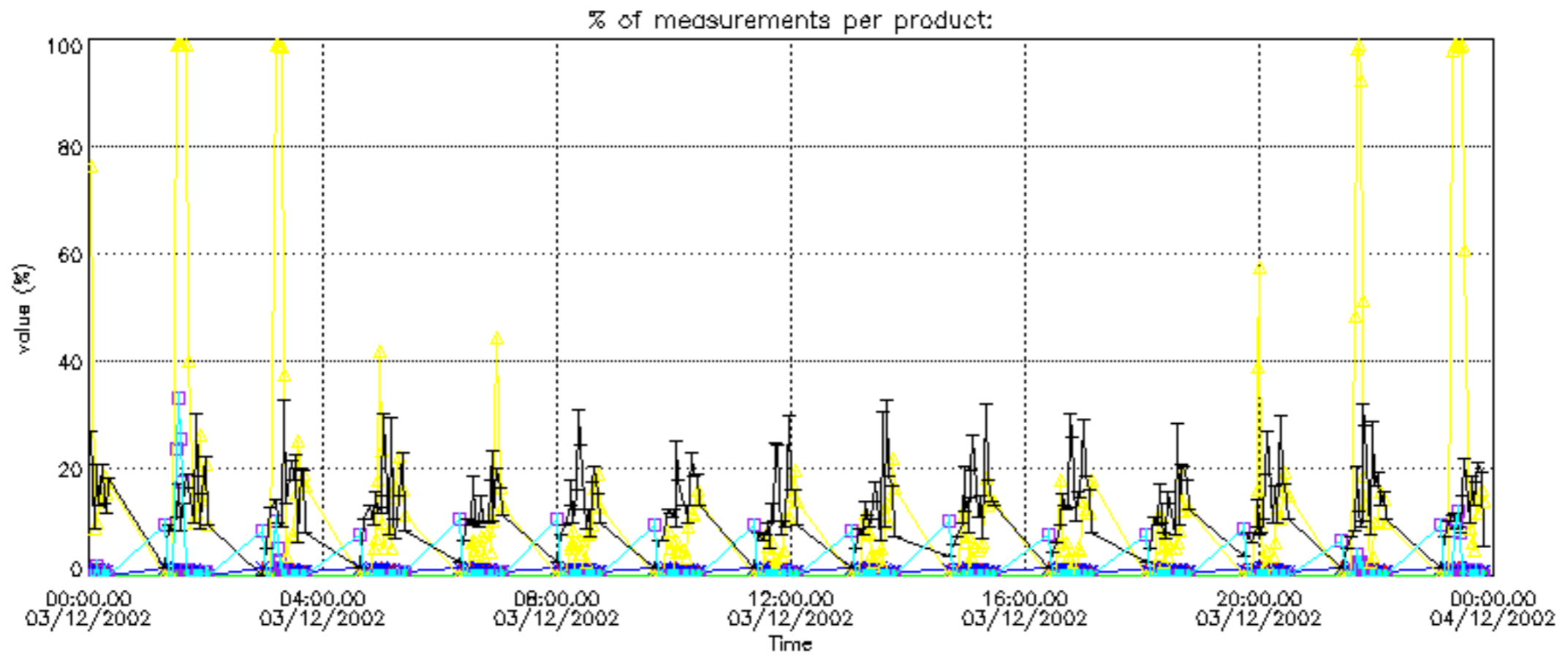


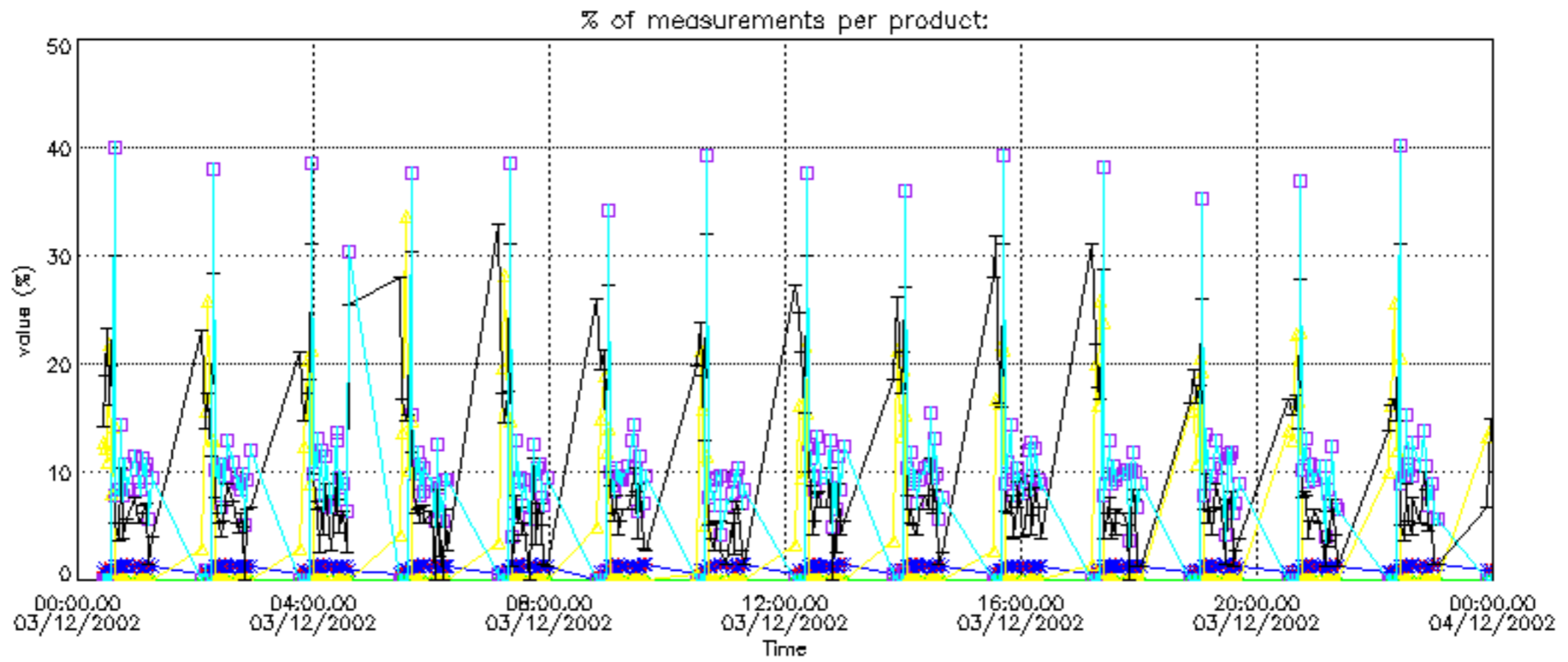
Percentage of flagged data per NO2 profile



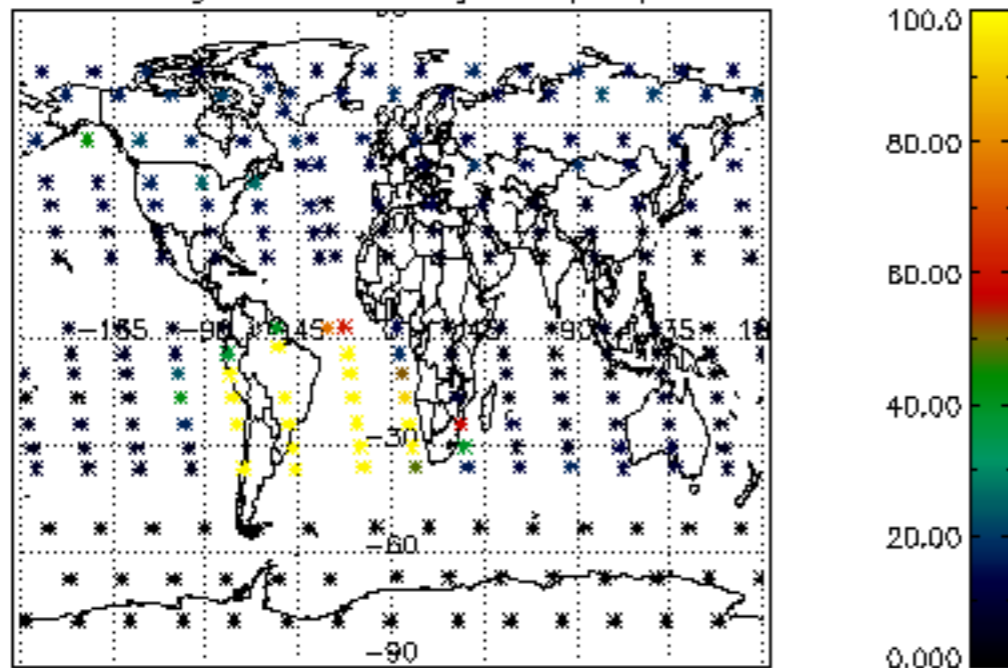
Percentage of flagged data per NO3 profile



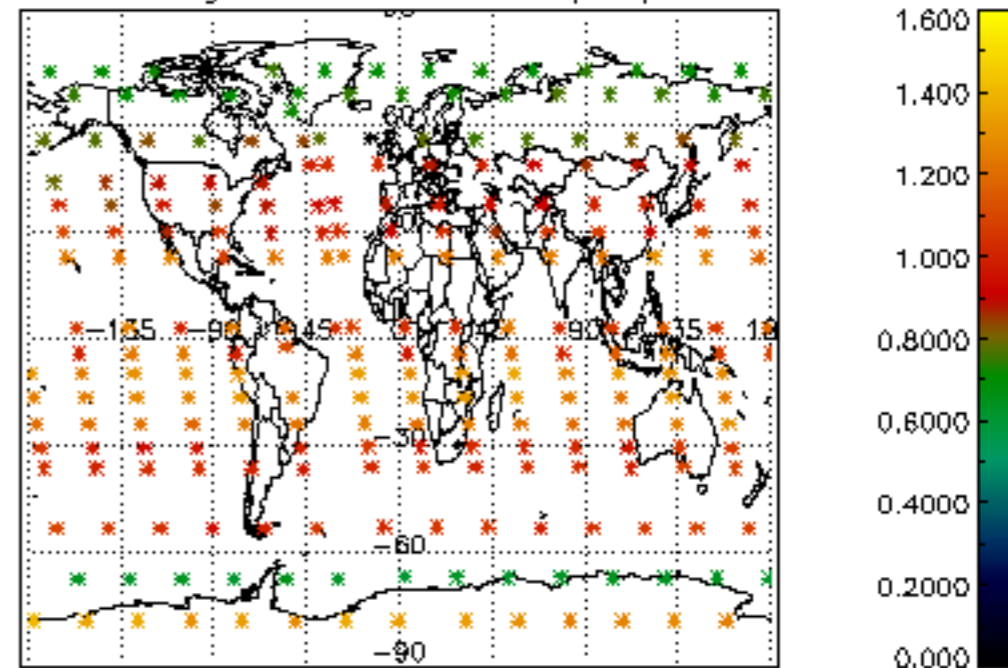




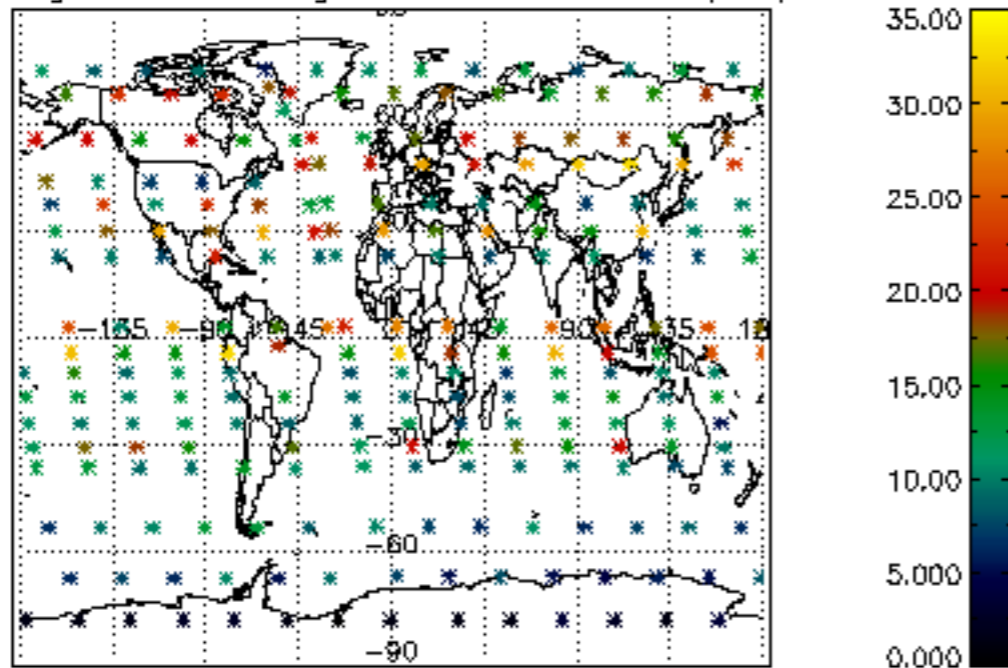
Percentage of cosmic ray hits per profile



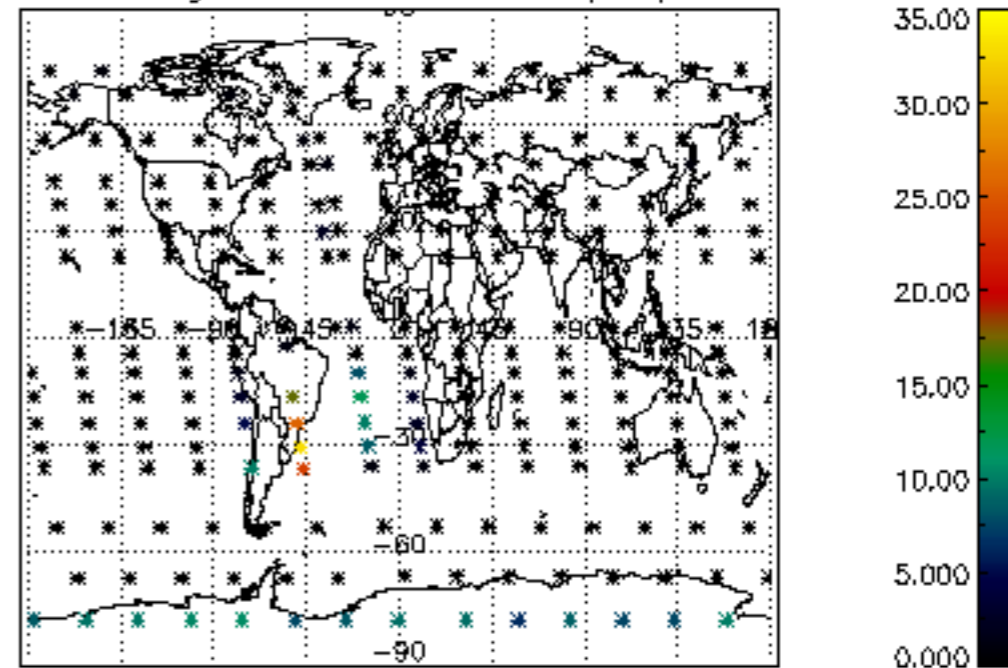
Percentage of datation errors per profile



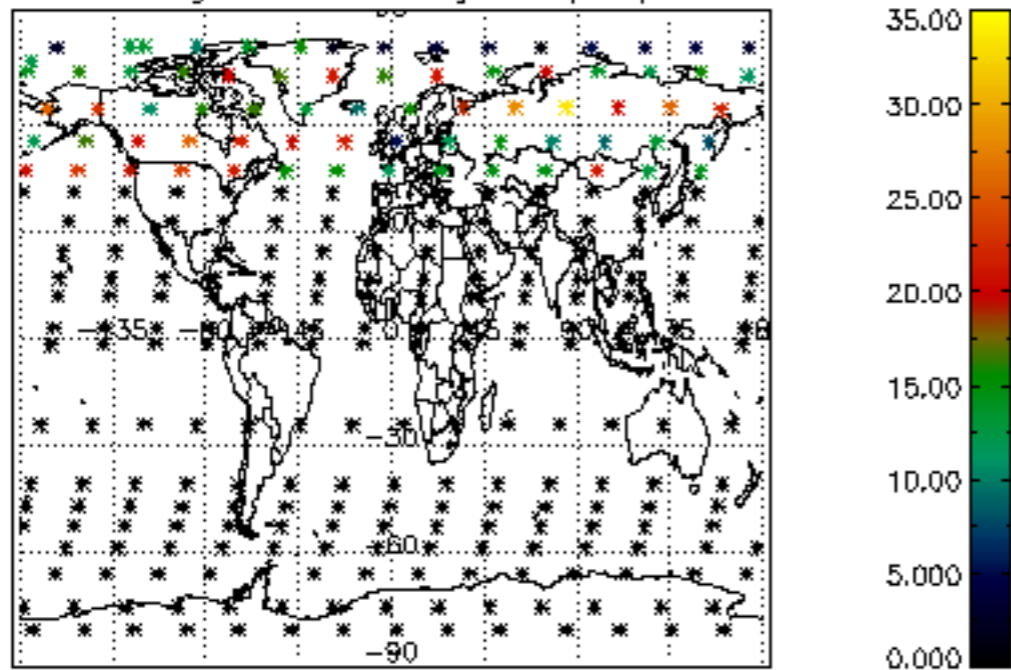
Percentage of star falling outside central band per profile



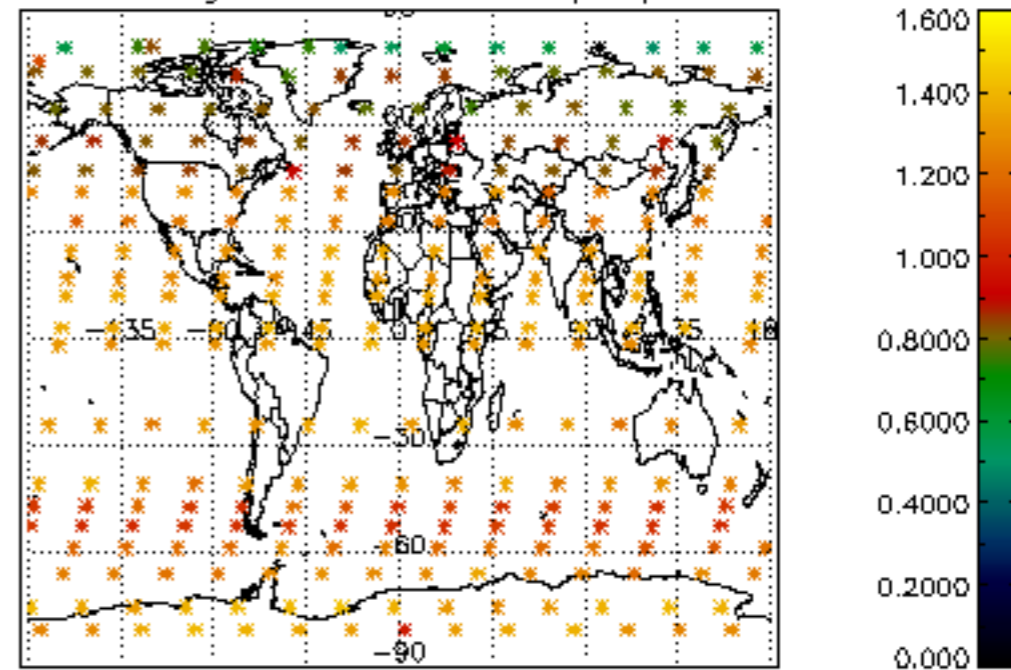
Percentage of saturation errors per profile



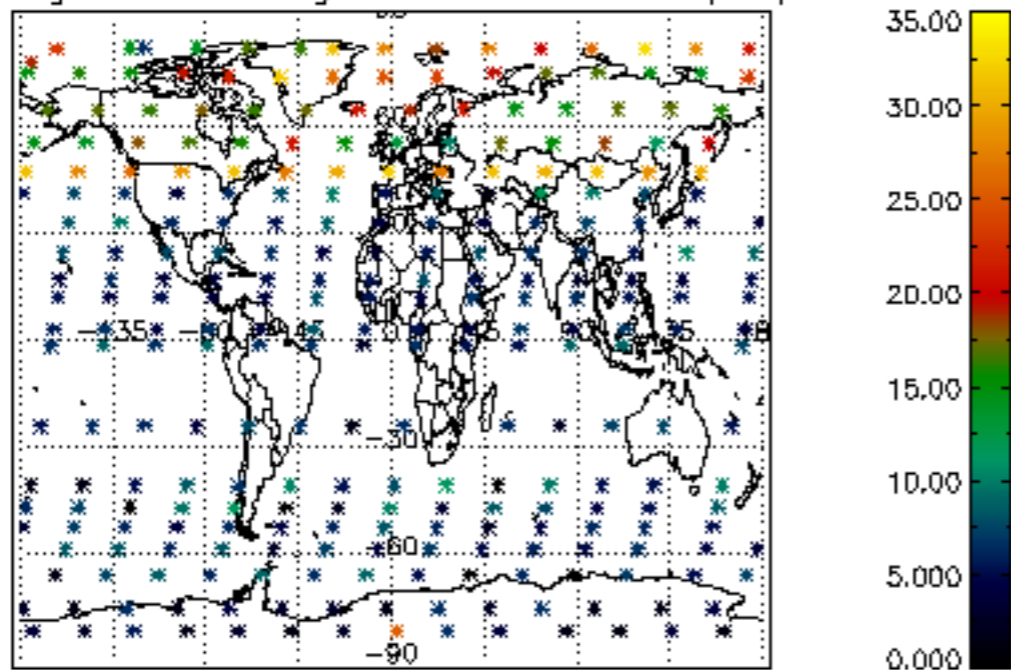
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

