

# GOMOS Level 2 Daily Report

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This report presents the daily analysis on parameters extracted from GOMOS level 2 data (GOM\_NL\_\_2P). It is intended to monitor some important parameters that will impact the quality of these products. A list of level 2 products (and content) that have arrived during the reporting day to the PCF is also given.

Item	Value
Time of report generation	22APR2013 18:57:14
Data source version	GOMOS/6.01
Start time of products	27-04-2007 (27APR2007 00:00:00)
Stop time of products	28-04-2007 (28APR2007 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	341
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__2PRFIN20070427_000059_000000432057_00345_26952_3348.N1	27-APR-2007 00:00:59	Bright	42.500	93	53Bet Peg	2.5200	3100.0	85	26952	No
2	GOM_NL__2PRFIN20070427_000448_000000412057_00345_26952_3349.N1	27-APR-2007 00:04:48	Twilight	41.000	90	54Alp Peg	2.4870	11000.	82	26952	No
3	GOM_NL__2PRFIN20070427_001727_000000442057_00345_26952_3350.N1	27-APR-2007 00:17:27	Dark	44.000	18	24Alp PsA	1.1660	9700.0	88	26952	No
4	GOM_NL__2PRFIN20070427_002308_000000402057_00345_26952_3351.N1	27-APR-2007 00:23:08	Dark	40.000	31	Alp Gru	1.7340	15200.	80	26952	No
5	GOM_NL__2PRFIN20070427_002557_000000392057_00345_26952_3352.N1	27-APR-2007 00:25:57	Dark	39.000	148	Alp Tuc	2.8780	4100.0	78	26952	No
6	GOM_NL__2PRFIN20070427_002830_000000462057_00346_26953_3351.N1	27-APR-2007 00:28:30	Dark	46.000	45	Alp Pav	1.9400	26000.	92	26953	No
7	GOM_NL__2PRFIN20070427_003523_000000502057_00346_26953_3352.N1	27-APR-2007 00:35:23	Dark	49.500	43	Alp TrA	1.9100	4250.0	99	26953	No
8	GOM_NL__2PRFIN20070427_003734_000000382057_00346_26953_3353.N1	27-APR-2007 00:37:34	Straylight	38.000	134	Bet TrA	2.8100	6600.0	76	26953	No
9	GOM_NL__2PRFIN20070427_003943_000000442057_00346_26953_3354.N1	27-APR-2007 00:39:43	Straylight	43.500	4	Alp1Cen	-0.010000	5800.0	87	26953	No
10	GOM_NL__2PRFIN20070427_004305_000000422057_00346_26953_3355.N1	27-APR-2007 00:43:05	Straylight	41.500	78	Alp Lup	2.3040	28000.	83	26953	No
11	GOM_NL__2PRFIN20070427_004439_000000422057_00346_26953_3356.N1	27-APR-2007 00:44:39	Straylight	42.000	81	Eta Cen	2.3560	28000.	84	26953	No
12	GOM_NL__2PRFIN20070427_004648_000000432057_00346_26953_3357.N1	27-APR-2007 00:46:48	Straylight	42.500	54	5The Cen	2.0550	4500.0	85	26953	No
13	GOM_NL__2PRFIN20070427_005111_000000412057_00346_26953_3358.N1	27-APR-2007 00:51:11	Bright	40.500	169	46Gam Hya	2.9910	4700.0	81	26953	No
14	GOM_NL__2PRFIN20070427_005434_000000402057_00346_26953_3359.N1	27-APR-2007 00:54:34	Bright	39.500	15	67Alp Vir	0.97600	28000.	79	26953	No
15	GOM_NL__2PRFIN20070427_005737_000000372057_00346_26953_3360.N1	27-APR-2007 00:57:37	Bright	36.500	121	29Gam Vir	2.7400	7200.0	73	26953	No
16	GOM_NL__2PRFIN20070427_010102_000000352057_00346_26953_3361.N1	27-APR-2007 01:01:02	Bright	35.000	138	47Eps Vir	2.8280	4700.0	70	26953	No
17	GOM_NL__2PRFIN20070427_010851_000000362057_00346_26953_3362.N1	27-APR-2007 01:08:51	Bright	36.000	152	12Alp2CVn	2.8900	11000.	72	26953	No
18	GOM_NL__2PRFIN20070427_011314_000000342057_00346_26953_3363.N1	27-APR-2007 01:13:14	Bright	34.000	87	64Gam UMa	2.4330	11000.	68	26953	No
19	GOM_NL__2PRFIN20070427_011429_000000362057_00346_26953_3364.N1	27-APR-2007 01:14:29	Bright	36.000	82	48Bet UMa	2.3650	10600.	72	26953	No
20	GOM_NL__2PRFIN20070427_011551_000000372057_00346_26953_3365.N1	27-APR-2007 01:15:51	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	26953	No
21	GOM_NL__2PRFIN20070427_012002_000000362057_00346_26953_3366.N1	27-APR-2007 01:20:02	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	26953	No
22	GOM_NL__2PRFIN20070427_012333_000000352057_00346_26953_3367.N1	27-APR-2007 01:23:33	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	26953	No
23	GOM_NL__2PRFIN20070427_013116_000000342057_00346_26953_3368.N1	27-APR-2007 01:31:16	Bright	33.500	110	37Del Cas	2.6780	8900.0	67	26953	No
24	GOM_NL__2PRFIN20070427_013242_000000352057_00346_26953_3369.N1	27-APR-2007 01:32:42	Bright	35.000	68	18Alp Cas	2.2250	4500.0	70	26953	No
25	GOM_NL__2PRFIN20070427_014135_000000412057_00346_26953_3370.N1	27-APR-2007 01:41:35	Bright	40.500	93	53Bet Peg	2.5200	3100.0	81	26953	No
26	GOM_NL__2PRFIN20070427_014524_000000422057_00346_26953_3371.N1	27-APR-2007 01:45:24	Twilight	42.000	90	54Alp Peg	2.4870	11000.	84	26953	No
27	GOM_NL__2PRFIN20070427_015803_000000452057_00346_26953_3372.N1	27-APR-2007 01:58:03	Dark	45.000	18	24Alp PsA	1.1660	9700.0	90	26953	No
28	GOM_NL__2PRFIN20070427_020344_000000402057_00346_26953_3373.N1	27-APR-2007 02:03:44	Dark	39.500	31	Alp Gru	1.7340	15200.	79	26953	No
29	GOM_NL__2PRFIN20070427_020634_000000382057_00346_26953_3374.N1	27-APR-2007 02:06:34	Dark	37.500	148	Alp Tuc	2.8780	4100.0	75	26953	No
30	GOM_NL__2PRFIN20070427_020907_000000402057_00347_26954_3366.N1	27-APR-2007 02:09:07	Dark	39.500	45	Alp Pav	1.9400	26000.	79	26954	No
31	GOM_NL__2PRFIN20070427_021559_000000422057_00347_26954_3367.N1	27-APR-2007 02:15:59	Dark	42.000	43	Alp TrA	1.9100	4250.0	84	26954	No
32	GOM_NL__2PRFIN20070427_021810_000000382057_00347_26954_3368.N1	27-APR-2007 02:18:10	Straylight	38.000	134	Bet TrA	2.8100	6600.0	76	26954	No
33	GOM_NL__2PRFIN20070427_022020_000000482057_00347_26954_3369.N1	27-APR-2007 02:20:20	Straylight	48.000	4	Alp1Cen	-0.010000	5800.0	96	26954	No
34	GOM_NL__2PRFIN20070427_022341_000000422057_00347_26954_3370.N1	27-APR-2007 02:23:41	Straylight	41.500	78	Alp Lup	2.3040	28000.	83	26954	No
35	GOM_NL__2PRFIN20070427_022515_000000392057_00347_26954_3371.N1	27-APR-2007 02:25:15	Straylight	38.500	81	Eta Cen	2.3560	28000.	77	26954	No
36	GOM_NL__2PRFIN20070427_022725_000000452057_00347_26954_3372.N1	27-APR-2007 02:27:25	Straylight	45.000	54	5The Cen	2.0550	4500.0	90	26954	No
37	GOM_NL__2PRFIN20070427_023147_000000532057_00347_26954_3373.N1	27-APR-2007 02:31:47	Bright	53.000	169	46Gam Hya	2.9910	4700.0	106	26954	No
38	GOM_NL__2PRFIN20070427_023510_000000412057_00347_26954_3374.N1	27-APR-2007 02:35:10	Bright	40.500	15	67Alp Vir	0.97600	28000.	81	26954	No
39	GOM_NL__2PRFIN20070427_023813_000000362057_00347_26954_3375.N1	27-APR-2007 02:38:13	Bright	35.500	121	29Gam Vir	2.7400	7200.0	71	26954	No
40	GOM_NL__2PRFIN20070427_024138_000000362057_00347_26954_3376.N1	27-APR-2007 02:41:38	Bright	36.000	138	47Eps Vir	2.8280	4700.0	72	26954	No
41	GOM_NL__2PRFIN20070427_024927_000000372057_00347_26954_3377.N1	27-APR-2007 02:49:27	Bright	36.500	152	12Alp2CVn	2.8900	11000.	73	26954	No
42	GOM_NL__2PRFIN20070427_025350_000000352057_00347_26954_3378.N1	27-APR-2007 02:53:50	Bright	34.500	87	64Gam UMa	2.4330	11000.	69	26954	No









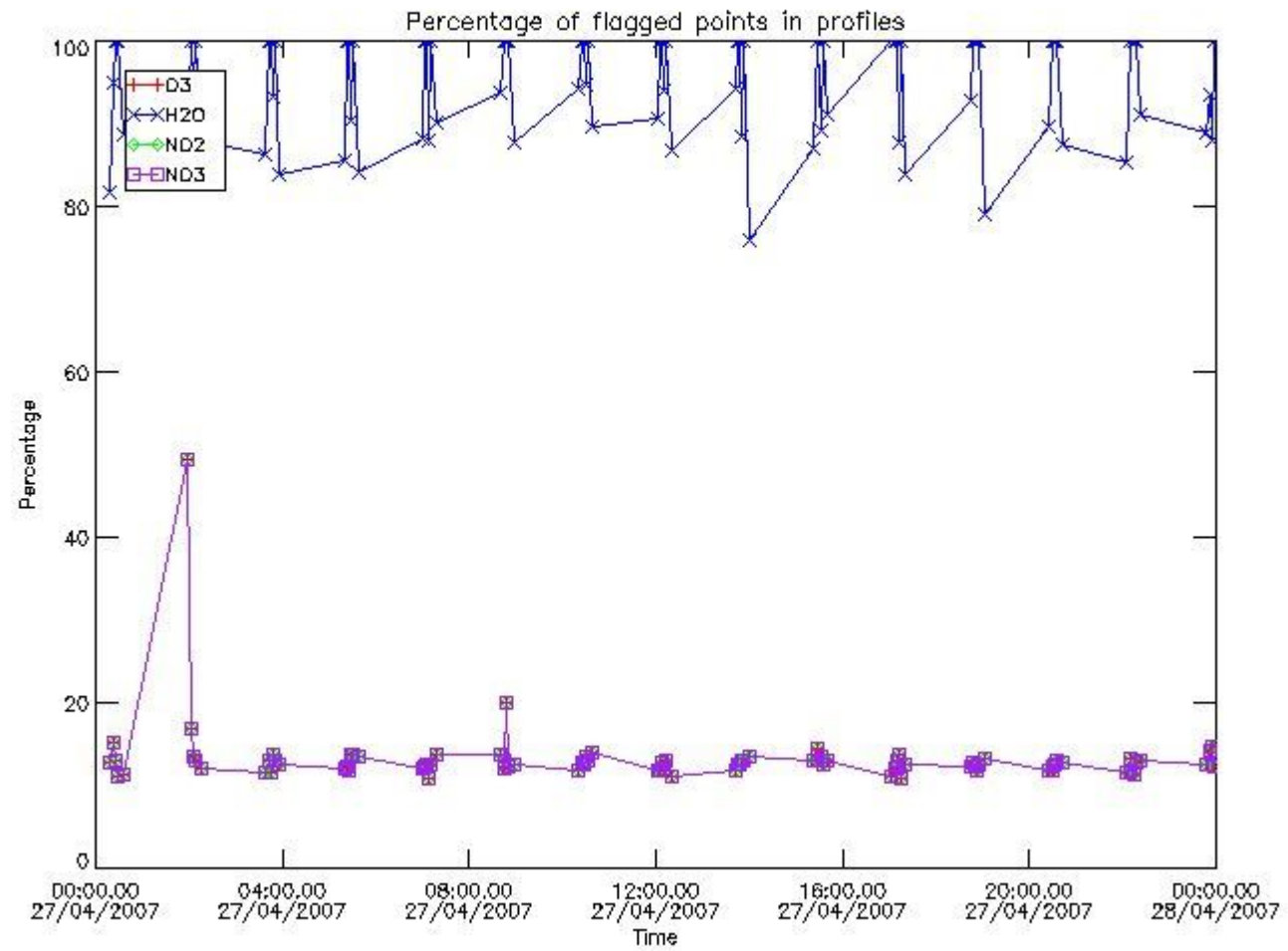


338	GOM_NL__2PRFIN20070427_234556_000000412057_00359_26966_3573.N1	27-APR-2007 23:45:56	Dark	41.000	18	24Alp PsA	1.1660	9700.0	82	26966	No
339	GOM_NL__2PRFIN20070427_235138_000000402057_00359_26966_3574.N1	27-APR-2007 23:51:38	Dark	39.500	31	Alp Gru	1.7340	15200.	79	26966	No
340	GOM_NL__2PRFIN20070427_235425_000000382057_00359_26966_3575.N1	27-APR-2007 23:54:25	Dark	38.000	148	Alp Tuc	2.8780	4100.0	76	26966	No
341	GOM_NL__2PRFIN20070427_235702_000000422057_00360_26967_3583.N1	27-APR-2007 23:57:02	Dark	41.500	45	Alp Pav	1.9400	26000.	83	26967	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.

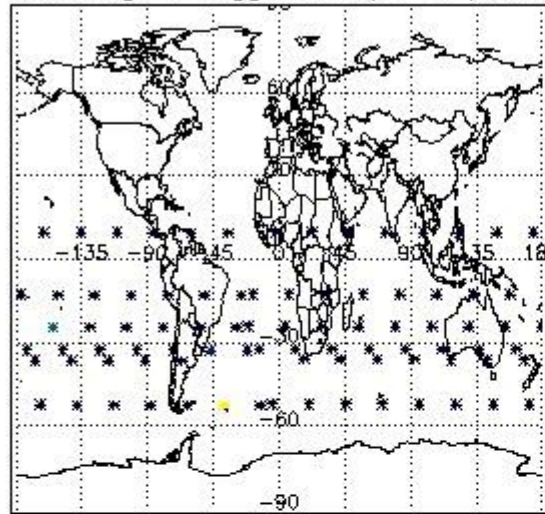
#### 3.1 Plot quality information per product (time dependant)



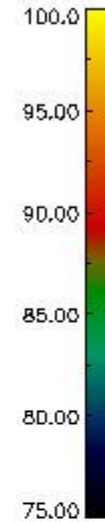
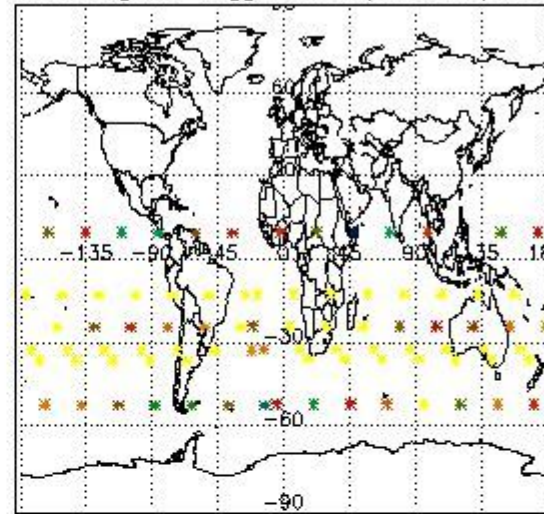
#### 3.2 Plot quality information per product (world map)



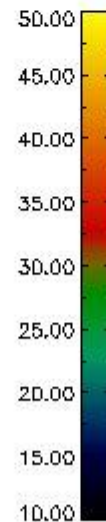
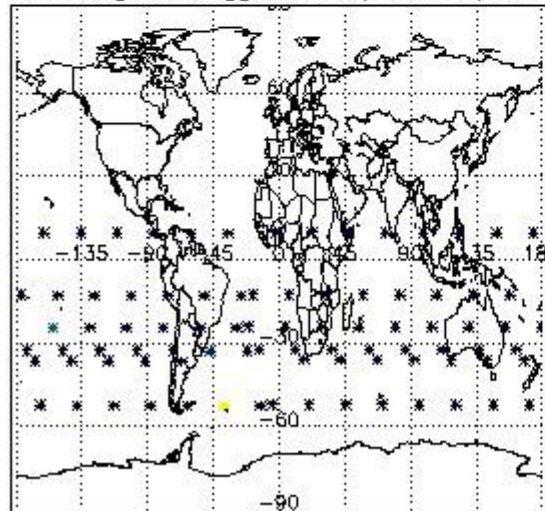
Percentage of flagged data per O3 profile



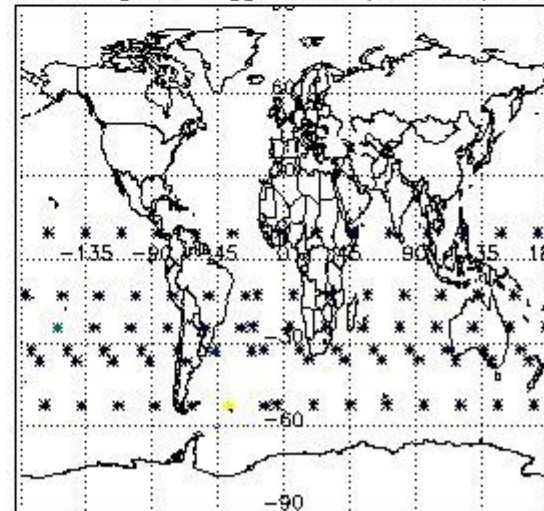
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

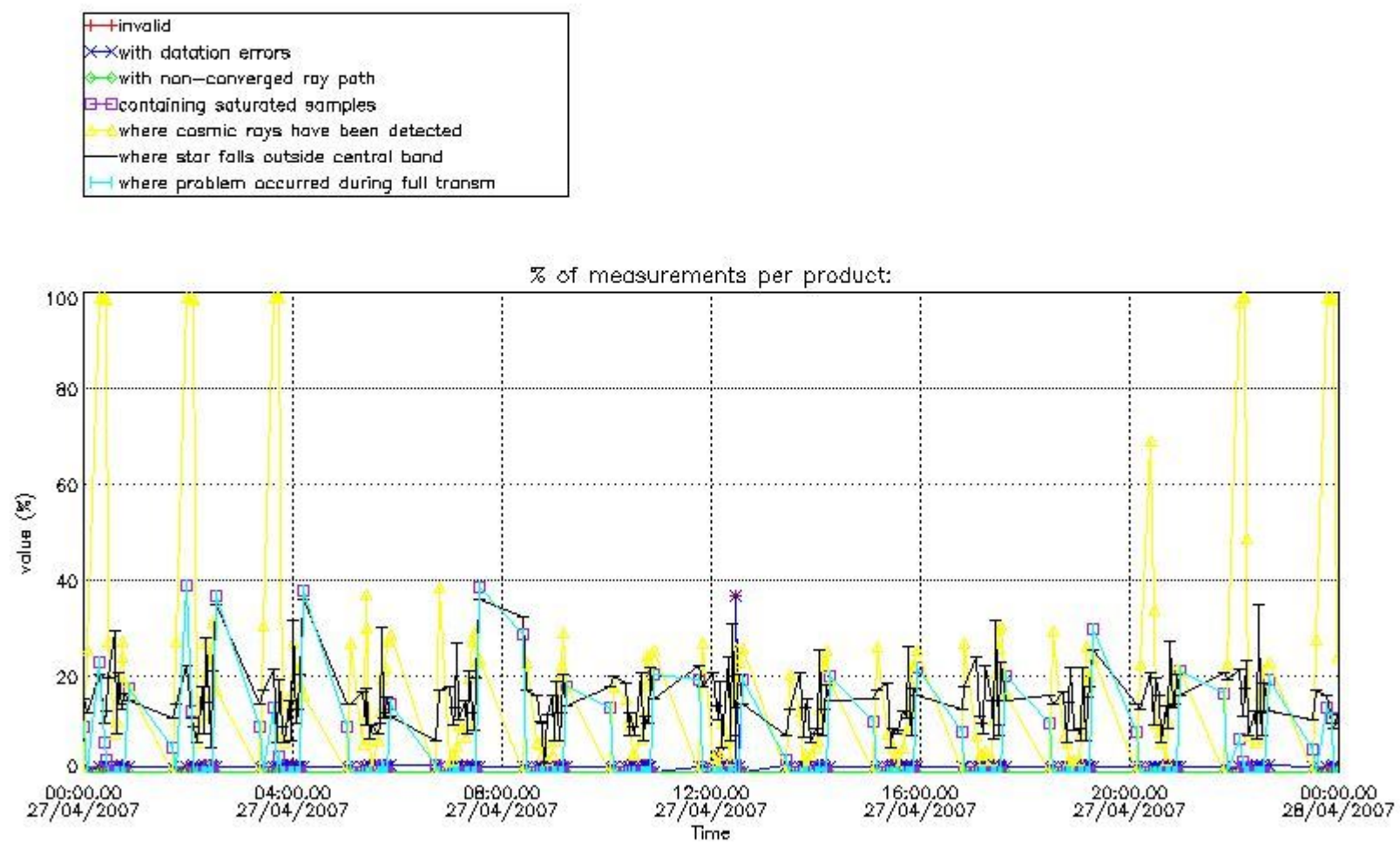


#### 4. Level 1 quality information per product

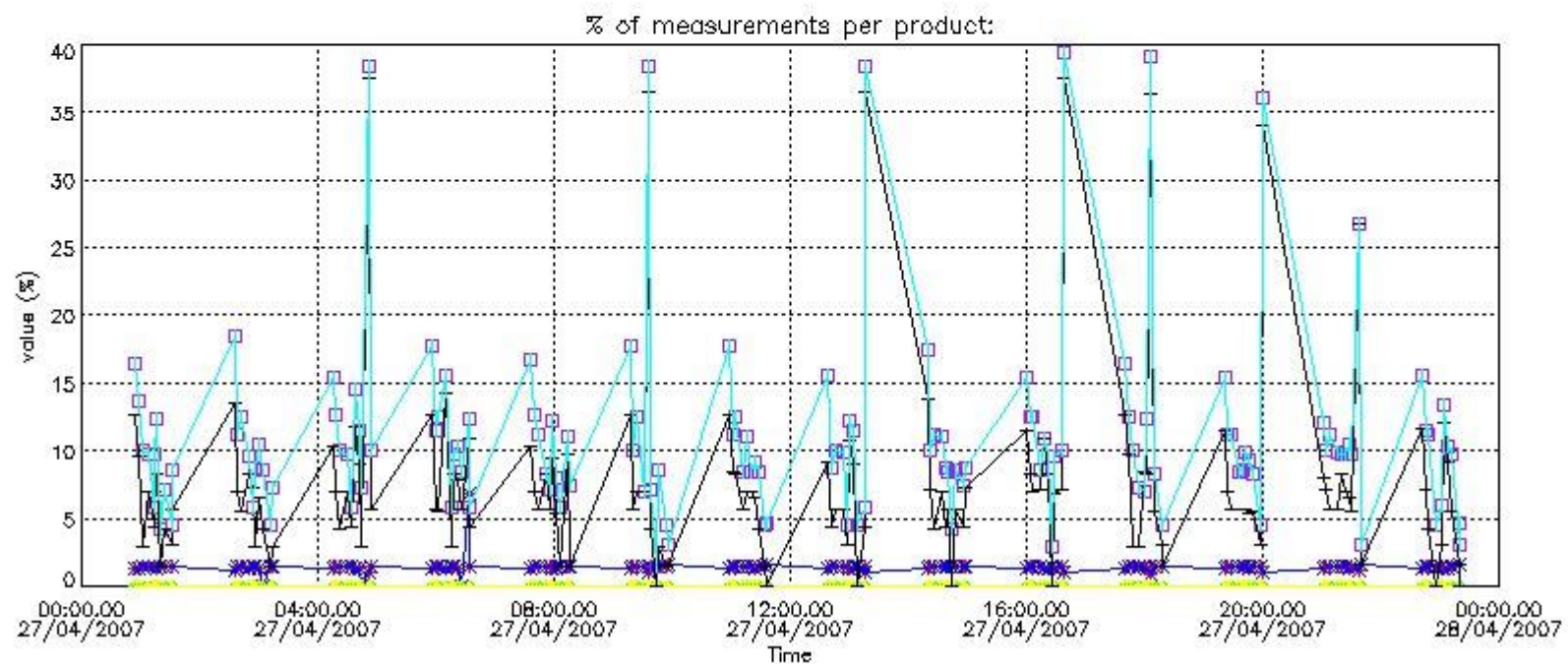
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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



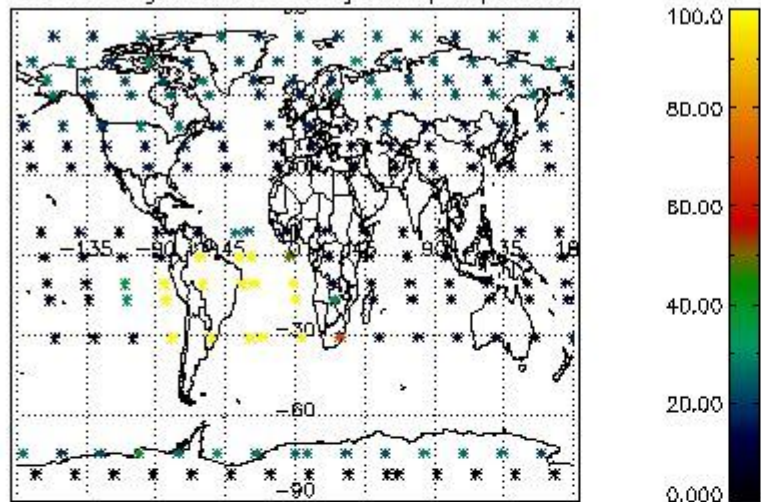
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



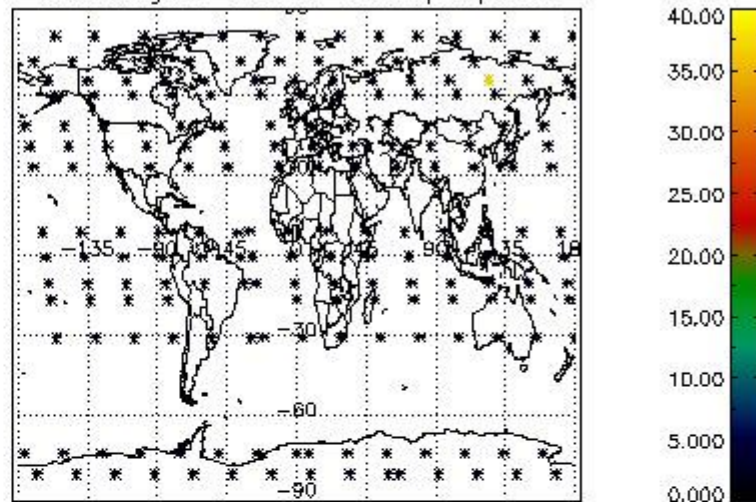
#### 4.2 Plot quality information per product coming from level 1b processing (world map)

##### 4.2.1 Plot level 1 quality information per product (world map): ENVI SAT ASCENDING passes

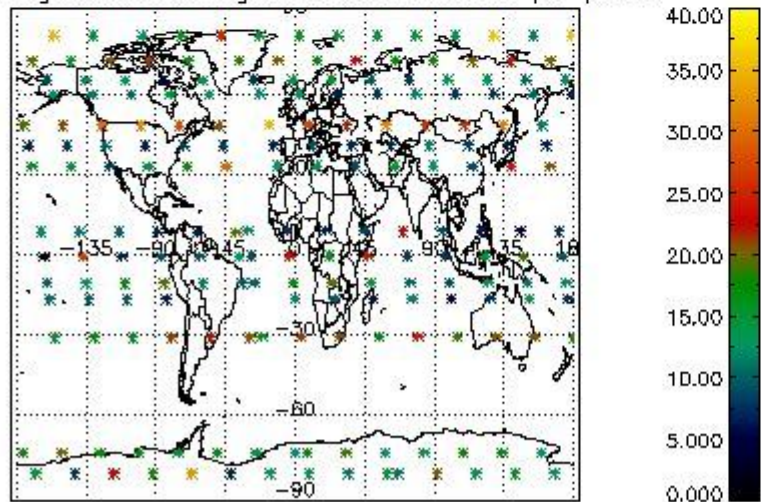
Percentage of cosmic ray hits per profile



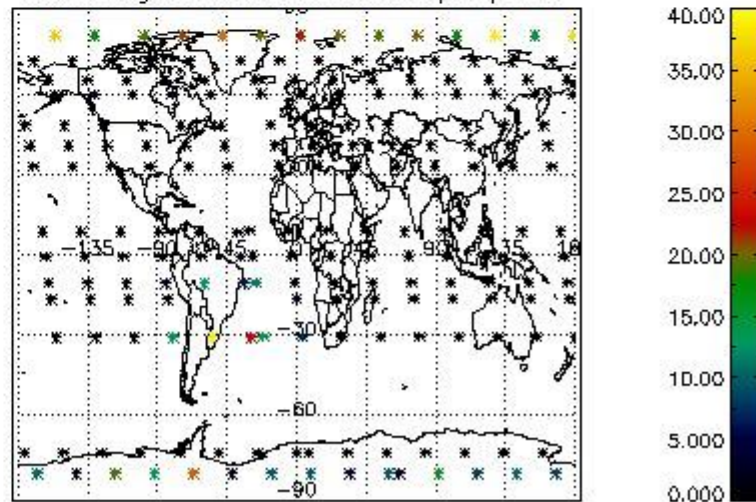
Percentage of datation errors per profile



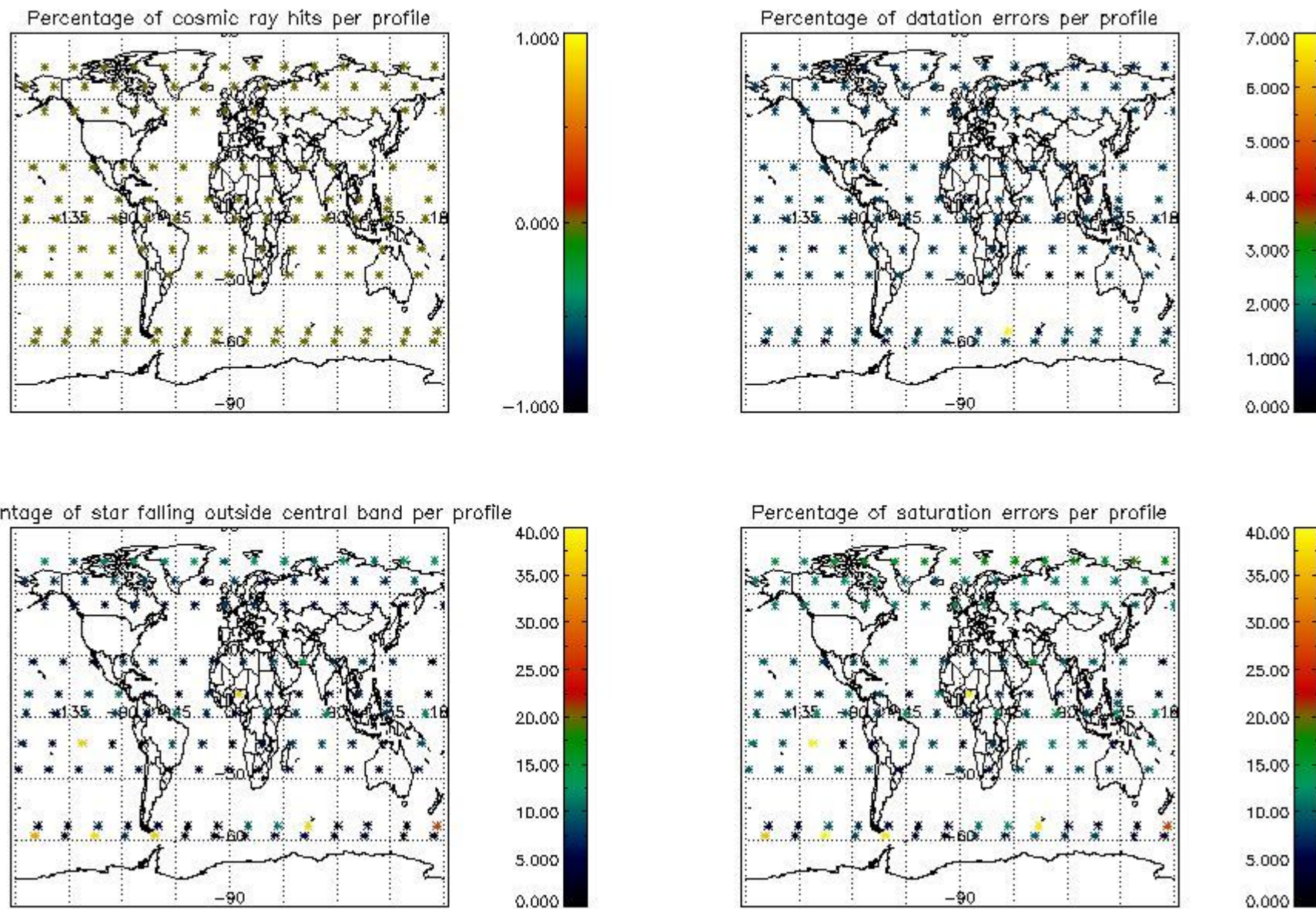
Percentage of star falling outside central band per profile



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

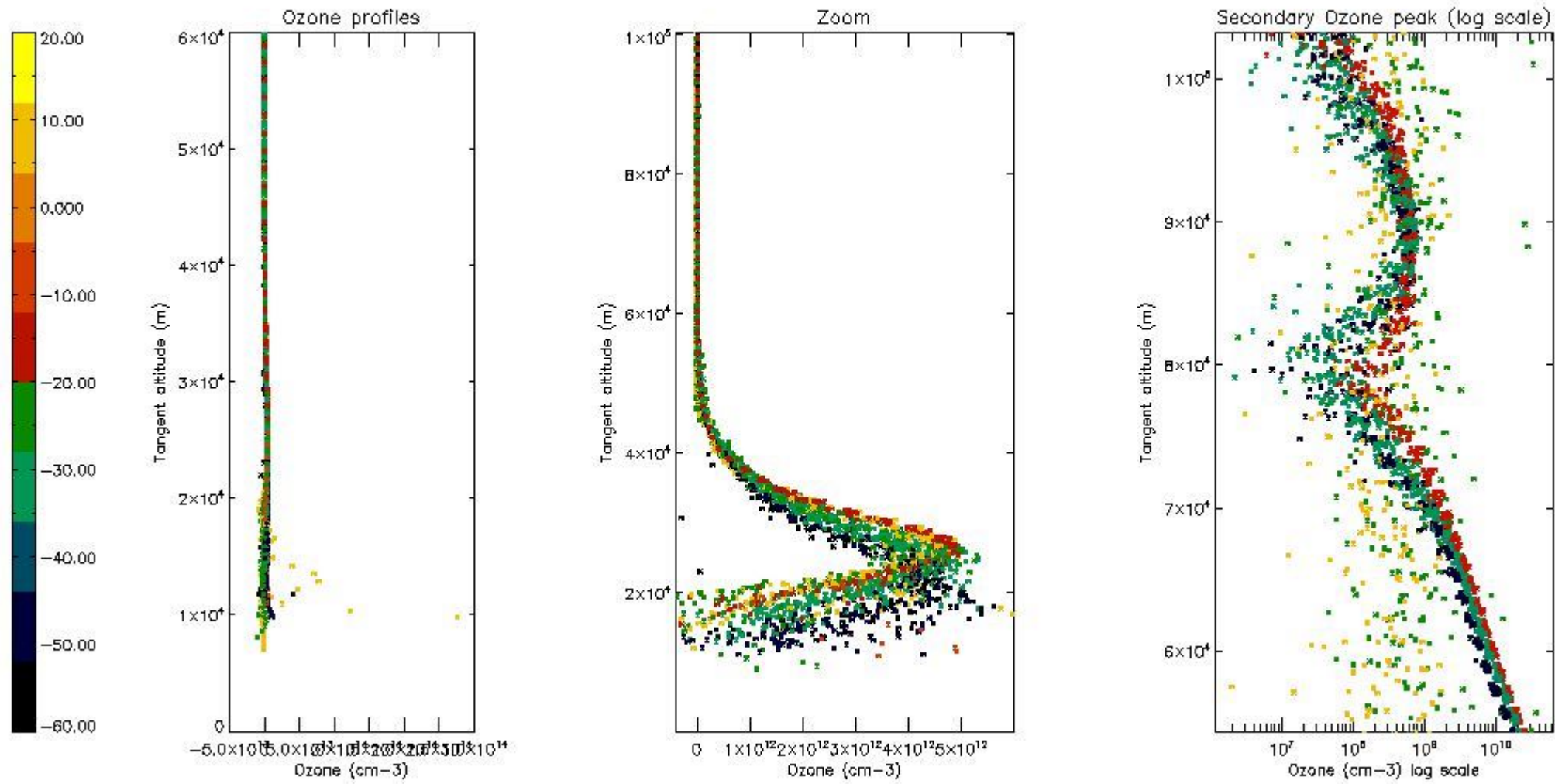
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	27
STD < 20	14

STD < 10	11
STD < 5	7

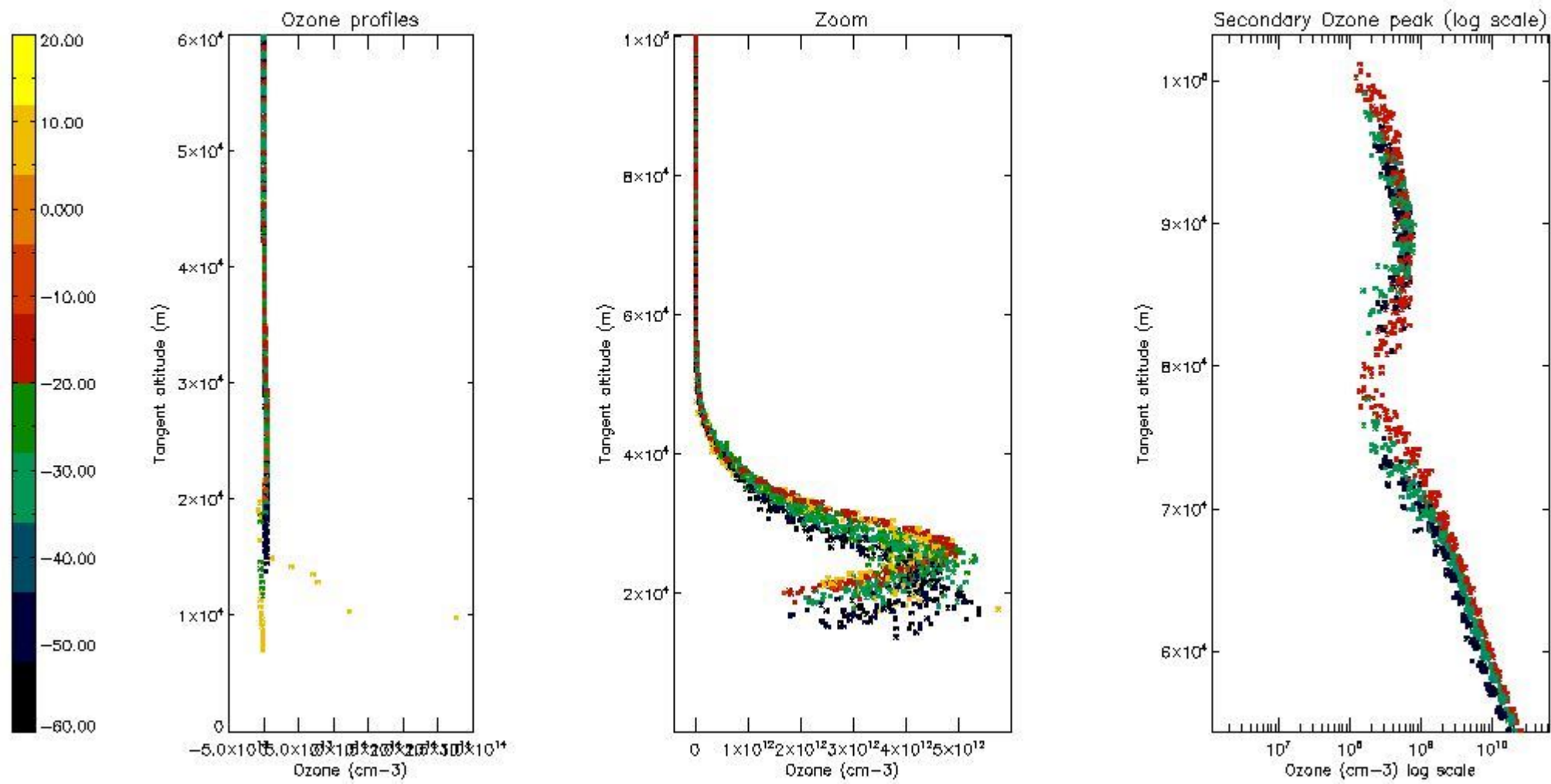
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



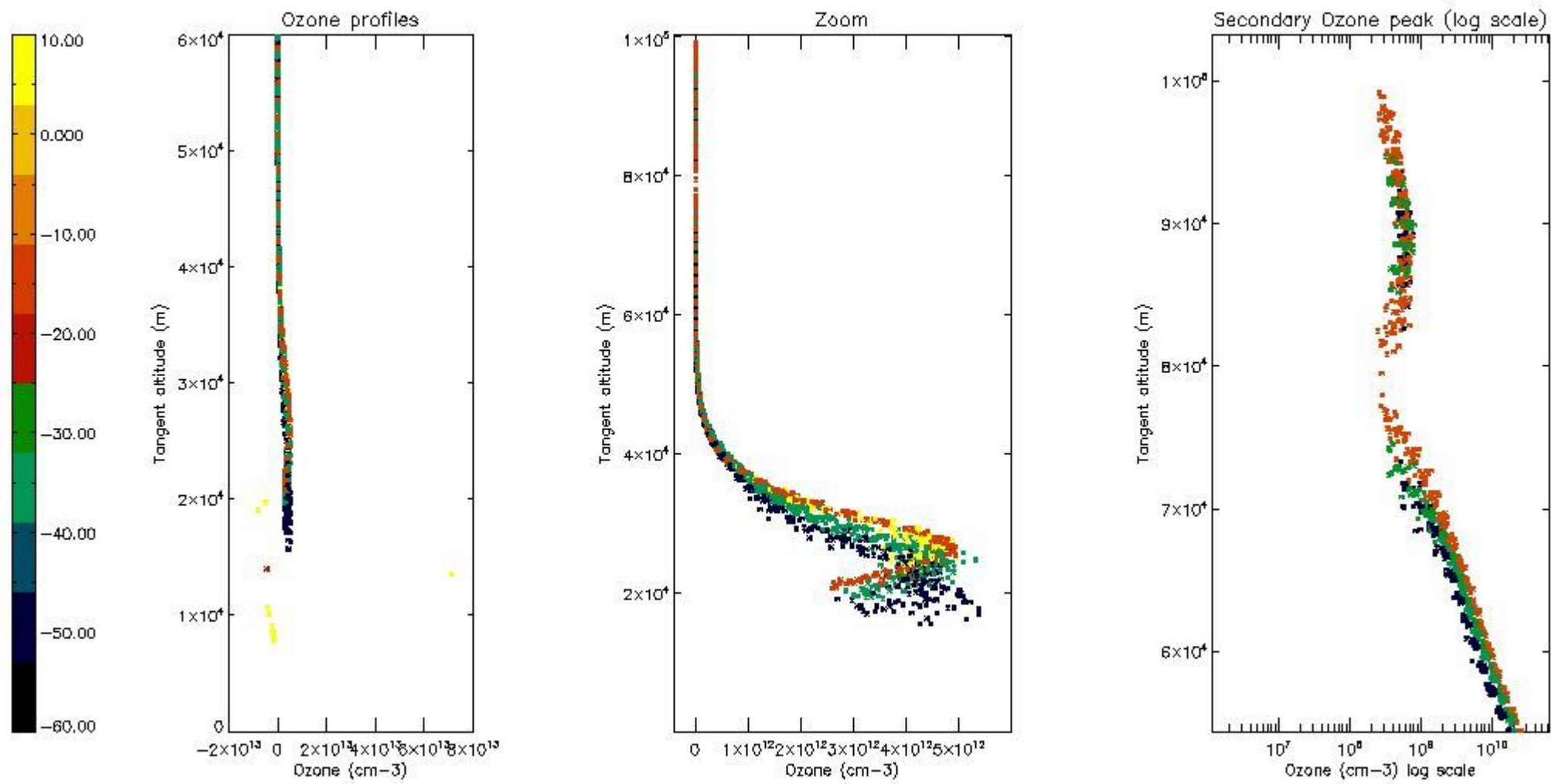
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



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

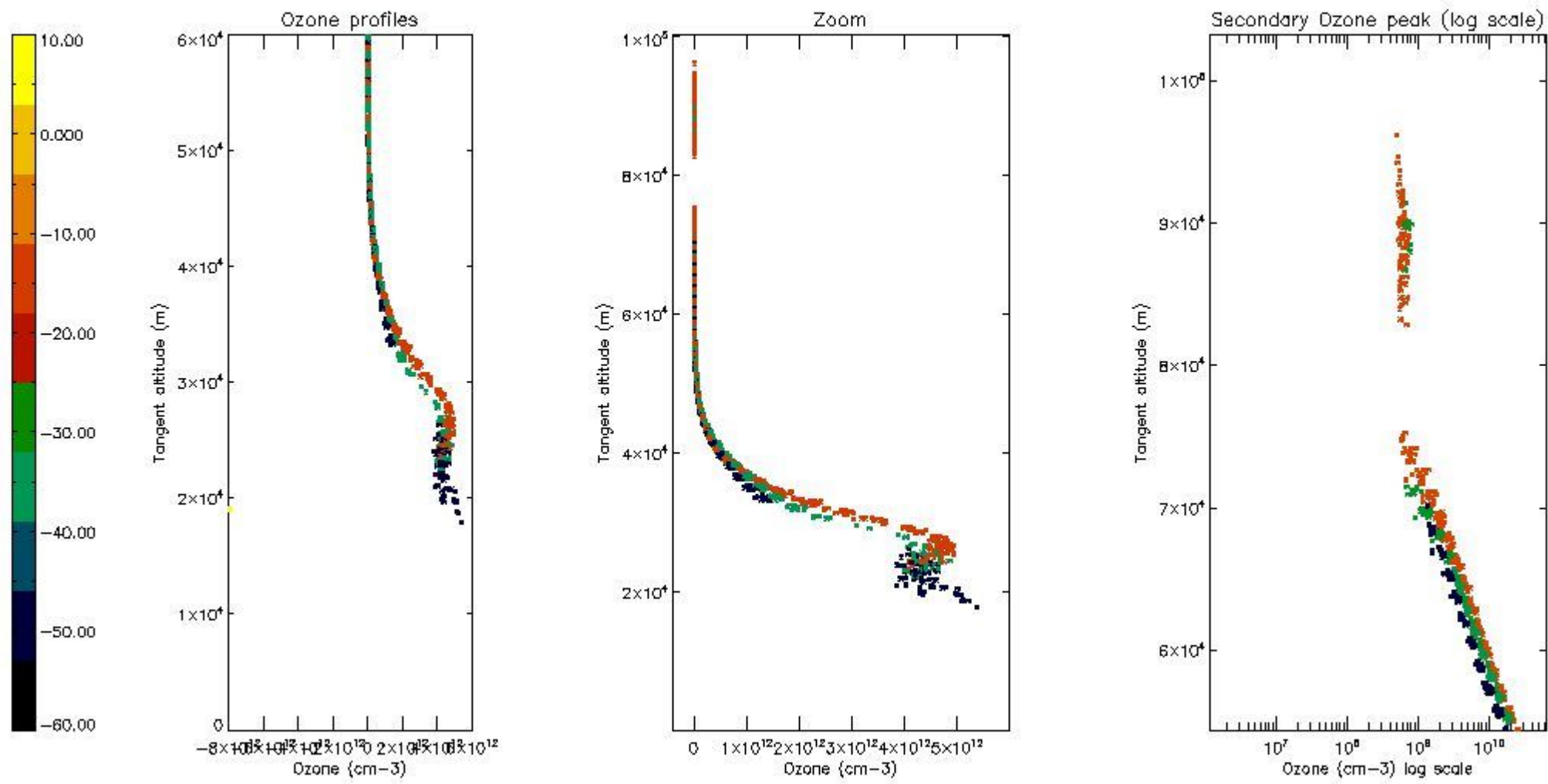
The colorbar represents the latitude.



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

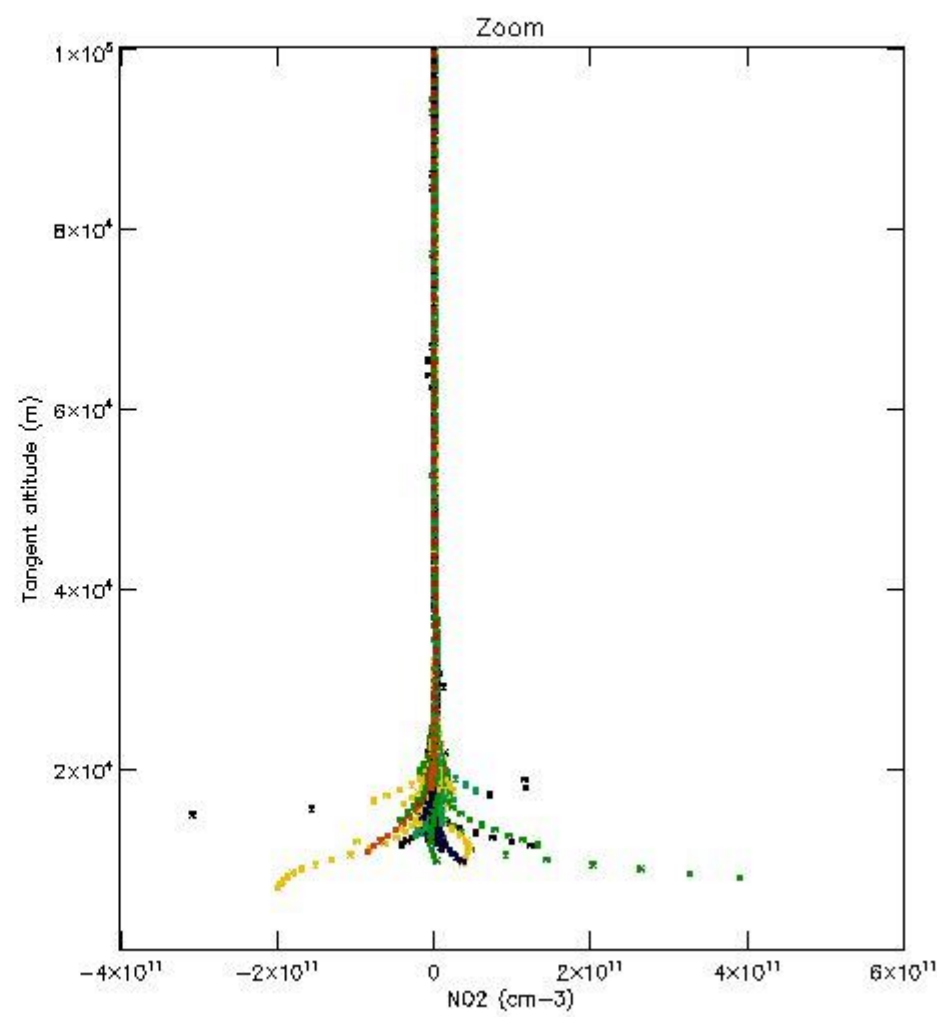
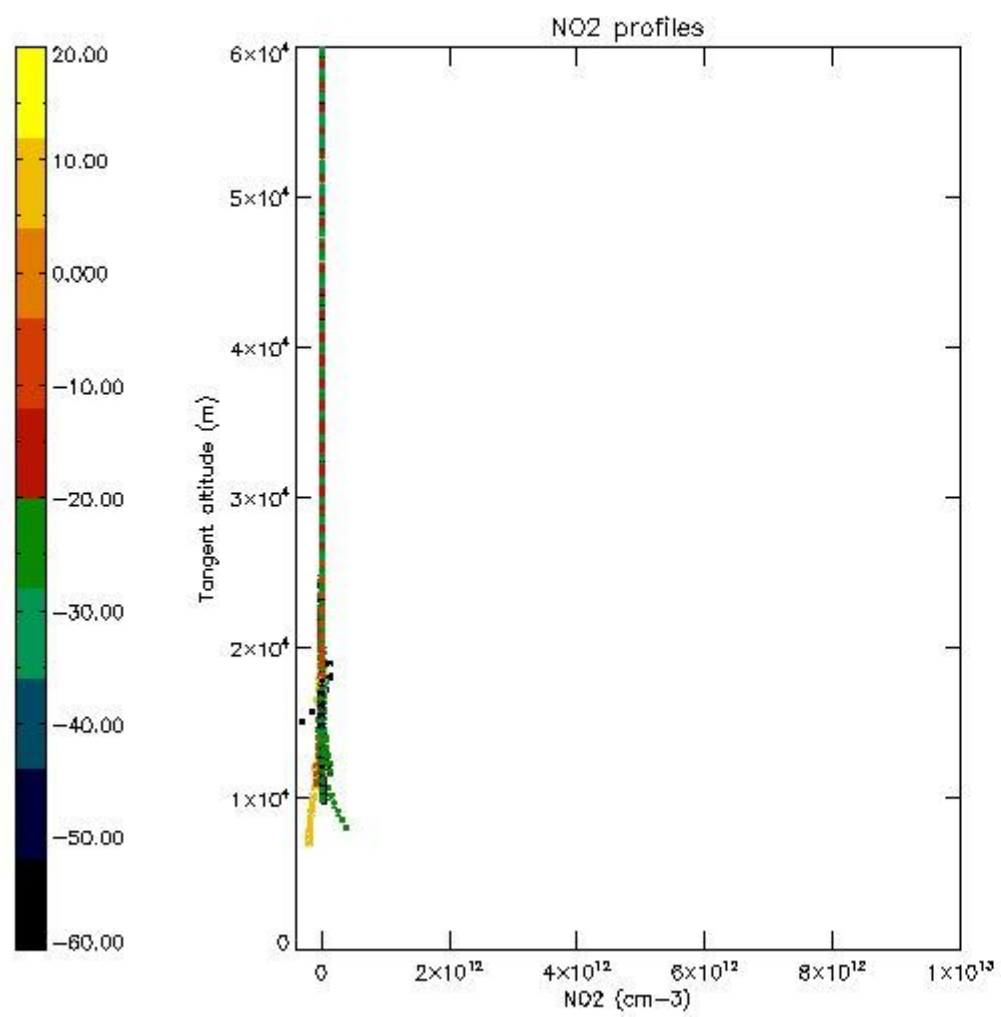
The colorbar represents the latitude.





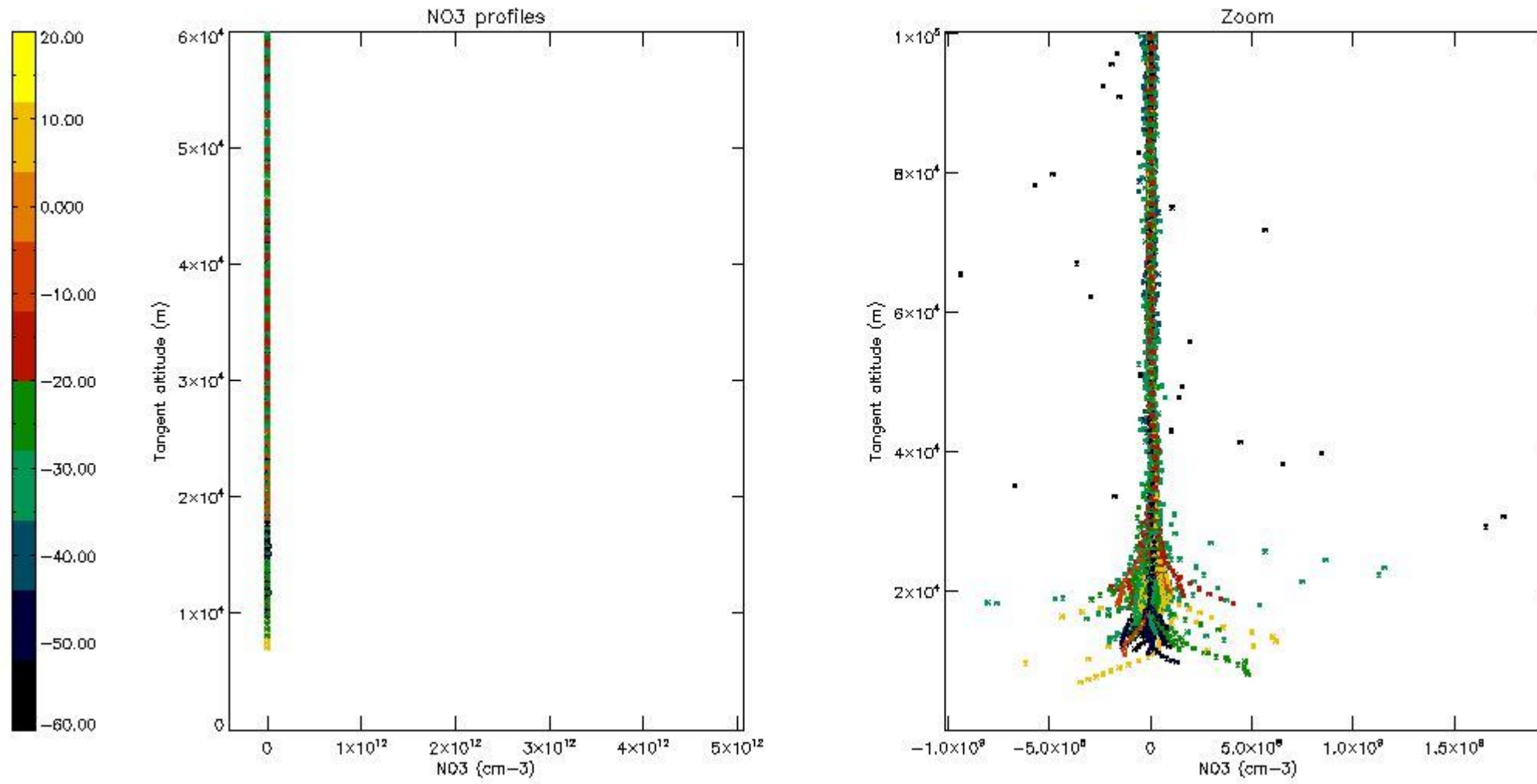
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

The colorbar represents the latitude.



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

The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	27-APR-2007 00:00:59
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	27-APR-2007 00:00:59
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	27-APR-2007 00:00:59

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

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

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Nb of prods with errors	0

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1	GOM_NL__2PRFIN20070427_000059_000000432057_00345_26952_3348.N1	27-APR-2007 00:00:59	Bright	42.500	93	53Bet Peg	2.5200	3100.0	85	26952	No
2	GOM_NL__2PRFIN20070427_000448_000000412057_00345_26952_3349.N1	27-APR-2007 00:04:48	Twilight	41.000	90	54Alp Peg	2.4870	11000.	82	26952	No
3	GOM_NL__2PRFIN20070427_001727_000000442057_00345_26952_3350.N1	27-APR-2007 00:17:27	Dark	44.000	18	24Alp PsA	1.1660	9700.0	88	26952	No
4	GOM_NL__2PRFIN20070427_002308_000000402057_00345_26952_3351.N1	27-APR-2007 00:23:08	Dark	40.000	31	Alp Gru	1.7340	15200.	80	26952	No
5	GOM_NL__2PRFIN20070427_002557_000000392057_00345_26952_3352.N1	27-APR-2007 00:25:57	Dark	39.000	148	Alp Tuc	2.8780	4100.0	78	26952	No
6	GOM_NL__2PRFIN20070427_002830_000000462057_00346_26953_3351.N1	27-APR-2007 00:28:30	Dark	46.000	45	Alp Pav	1.9400	26000.	92	26953	No
7	GOM_NL__2PRFIN20070427_003523_000000502057_00346_26953_3352.N1	27-APR-2007 00:35:23	Dark	49.500	43	Alp TrA	1.9100	4250.0	99	26953	No
8	GOM_NL__2PRFIN20070427_003734_000000382057_00346_26953_3353.N1	27-APR-2007 00:37:34	Straylight	38.000	134	Bet TrA	2.8100	6600.0	76	26953	No
9	GOM_NL__2PRFIN20070427_003943_000000442057_00346_26953_3354.N1	27-APR-2007 00:39:43	Straylight	43.500	4	Alp1Cen	-0.010000	5800.0	87	26953	No
10	GOM_NL__2PRFIN20070427_004305_000000422057_00346_26953_3355.N1	27-APR-2007 00:43:05	Straylight	41.500	78	Alp Lup	2.3040	28000.	83	26953	No
11	GOM_NL__2PRFIN20070427_004439_000000422057_00346_26953_3356.N1	27-APR-2007 00:44:39	Straylight	42.000	81	Eta Cen	2.3560	28000.	84	26953	No
12	GOM_NL__2PRFIN20070427_004648_000000432057_00346_26953_3357.N1	27-APR-2007 00:46:48	Straylight	42.500	54	5The Cen	2.0550	4500.0	85	26953	No
13	GOM_NL__2PRFIN20070427_005111_000000412057_00346_26953_3358.N1	27-APR-2007 00:51:11	Bright	40.500	169	46Gam Hya	2.9910	4700.0	81	26953	No
14	GOM_NL__2PRFIN20070427_005434_000000402057_00346_26953_3359.N1	27-APR-2007 00:54:34	Bright	39.500	15	67Alp Vir	0.97600	28000.	79	26953	No
15	GOM_NL__2PRFIN20070427_005737_000000372057_00346_26953_3360.N1	27-APR-2007 00:57:37	Bright	36.500	121	29Gam Vir	2.7400	7200.0	73	26953	No
16	GOM_NL__2PRFIN20070427_010102_000000352057_00346_26953_3361.N1	27-APR-2007 01:01:02	Bright	35.000	138	47Eps Vir	2.8280	4700.0	70	26953	No
17	GOM_NL__2PRFIN20070427_010851_000000362057_00346_26953_3362.N1	27-APR-2007 01:08:51	Bright	36.000	152	12Alp2CVn	2.8900	11000.	72	26953	No
18	GOM_NL__2PRFIN20070427_011314_000000342057_00346_26953_3363.N1	27-APR-2007 01:13:14	Bright	34.000	87	64Gam UMa	2.4330	11000.	68	26953	No
19	GOM_NL__2PRFIN20070427_011429_000000362057_00346_26953_3364.N1	27-APR-2007 01:14:29	Bright	36.000	82	48Bet UMa	2.3650	10600.	72	26953	No
20	GOM_NL__2PRFIN20070427_011551_000000372057_00346_26953_3365.N1	27-APR-2007 01:15:51	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	26953	No
21	GOM_NL__2PRFIN20070427_012002_000000362057_00346_26953_3366.N1	27-APR-2007 01:20:02	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	26953	No
22	GOM_NL__2PRFIN20070427_012333_000000352057_00346_26953_3367.N1	27-APR-2007 01:23:33	Bright	35.000	49	1Alp UMi	1.9900	6300.0	70	26953	No
23	GOM_NL__2PRFIN20070427_013116_000000342057_00346_26953_3368.N1	27-APR-2007 01:31:16	Bright	33.500	110	37Del Cas	2.6780	8900.0	67	26953	No
24	GOM_NL__2PRFIN20070427_013242_000000352057_00346_26953_3369.N1	27-APR-2007 01:32:42	Bright	35.000	68	18Alp Cas	2.2250	4500.0	70	26953	No
25	GOM_NL__2PRFIN20070427_014135_000000412057_00346_26953_3370.N1	27-APR-2007 01:41:35	Bright	40.500	93	53Bet Peg	2.5200	3100.0	81	26953	No
26	GOM_NL__2PRFIN20070427_014524_000000422057_00346_26953_3371.N1	27-APR-2007 01:45:24	Twilight	42.000	90	54Alp Peg	2.4870	11000.	84	26953	No
27	GOM_NL__2PRFIN20070427_015803_000000452057_00346_26953_3372.N1	27-APR-2007 01:58:03	Dark	45.000	18	24Alp PsA	1.1660	9700.0	90	26953	No
28	GOM_NL__2PRFIN20070427_020344_000000402057_00346_26953_3373.N1	27-APR-2007 02:03:44	Dark	39.500	31	Alp Gru	1.7340	15200.	79	26953	No
29	GOM_NL__2PRFIN20070427_020634_000000382057_00346_26953_3374.N1	27-APR-2007 02:06:34	Dark	37.500	148	Alp Tuc	2.8780	4100.0	75	26953	No
30	GOM_NL__2PRFIN20070427_020907_000000402057_00347_26954_3366.N1	27-APR-2007 02:09:07	Dark	39.500	45	Alp Pav	1.9400	26000.	79	26954	No
31	GOM_NL__2PRFIN20070427_021559_000000422057_00347_26954_3367.N1	27-APR-2007 02:15:59	Dark	42.000	43	Alp TrA	1.9100	4250.0	84	26954	No
32	GOM_NL__2PRFIN20070427_021810_000000382057_00347_26954_3368.N1	27-APR-2007 02:18:10	Straylight	38.000	134	Bet TrA	2.8100	6600.0	76	26954	No
33	GOM_NL__2PRFIN20070427_022020_000000482057_00347_26954_3369.N1	27-APR-2007 02:20:20	Straylight	48.000	4	Alp1Cen	-0.010000	5800.0	96	26954	No
34	GOM_NL__2PRFIN20070427_022341_000000422057_00347_26954_3370.N1	27-APR-2007 02:23:41	Straylight	41.500	78	Alp Lup	2.3040	28000.	83	26954	No
35	GOM_NL__2PRFIN20070427_022515_000000392057_00347_26954_3371.N1	27-APR-2007 02:25:15	Straylight	38.500	81	Eta Cen	2.3560	28000.	77	26954	No
36	GOM_NL__2PRFIN20070427_022725_000000452057_00347_26954_3372.N1	27-APR-2007 02:27:25	Straylight	45.000	54	5The Cen	2.0550	4500.0	90	26954	No
37	GOM_NL__2PRFIN20070427_023147_000000532057_00347_26954_3373.N1	27-APR-2007 02:31:47	Bright	53.000	169	46Gam Hya	2.9910	4700.0	106	26954	No
38	GOM_NL__2PRFIN20070427_023510_000000412057_00347_26954_3374.N1	27-APR-2007 02:35:10	Bright	40.500	15	67Alp Vir	0.97600	28000.	81	26954	No
39	GOM_NL__2PRFIN20070427_023813_000000362057_00347_26954_3375.N1	27-APR-2007 02:38:13	Bright	35.500	121	29Gam Vir	2.7400	7200.0	71	26954	No
40	GOM_NL__2PRFIN20070427_024138_000000362057_00347_26954_3376.N1	27-APR-2007 02:41:38	Bright	36.000	138	47Eps Vir	2.8280	4700.0	72	26954	No
41	GOM_NL__2PRFIN20070427_024927_000000372057_00347_26954_3377.N1	27-APR-2007 02:49:27	Bright	36.500	152	12Alp2CVn	2.8900	11000.	73	26954	No
42	GOM_NL__2PRFIN20070427_025350_000000352057_00347_26954_3378.N1	27-APR-2007 02:53:50	Bright	34.500	87	64Gam UMa	2.4330	11000.	69	26954	No









220	GOM_NL__2PRFIN20070427_152836_000000392057_00354_26961_3503.N1	27-APR-2007 15:28:36	Dark	39.000	31	Alp Gru	1.7340	15200.	78	26961	No
221	GOM_NL__2PRFIN20070427_153124_000000382057_00354_26961_3504.N1	27-APR-2007 15:31:24	Dark	37.500	148	Alp Tuc	2.8780	4100.0	75	26961	No
222	GOM_NL__2PRFIN20070427_153359_000000412057_00355_26962_3492.N1	27-APR-2007 15:33:59	Dark	40.500	45	Alp Pav	1.9400	26000.	81	26962	No
223	GOM_NL__2PRFIN20070427_154050_000000402057_00355_26962_3493.N1	27-APR-2007 15:40:50	Dark	39.500	43	Alp TrA	1.9100	4250.0	79	26962	No
224	GOM_NL__2PRFIN20070427_154301_000000402057_00355_26962_3494.N1	27-APR-2007 15:43:01	Straylight	39.500	134	Bet TrA	2.8100	6600.0	79	26962	No
225	GOM_NL__2PRFIN20070427_154510_000000462057_00355_26962_3495.N1	27-APR-2007 15:45:10	Straylight	46.000	4	Alp1Cen	-0.010000	5800.0	92	26962	No
226	GOM_NL__2PRFIN20070427_154832_000000402057_00355_26962_3496.N1	27-APR-2007 15:48:32	Straylight	39.500	78	Alp Lup	2.3040	28000.	79	26962	No
227	GOM_NL__2PRFIN20070427_155005_000000392057_00355_26962_3497.N1	27-APR-2007 15:50:05	Straylight	38.500	81	Eta Cen	2.3560	28000.	77	26962	No
228	GOM_NL__2PRFIN20070427_155214_000000432057_00355_26962_3498.N1	27-APR-2007 15:52:14	Straylight	43.000	54	5The Cen	2.0550	4500.0	86	26962	No
229	GOM_NL__2PRFIN20070427_155636_000000412057_00355_26962_3499.N1	27-APR-2007 15:56:36	Bright	41.000	169	46Gam Hya	2.9910	4700.0	82	26962	No
230	GOM_NL__2PRFIN20070427_155958_000000392057_00355_26962_3500.N1	27-APR-2007 15:59:58	Bright	39.000	15	67Alp Vir	0.97600	28000.	78	26962	No
231	GOM_NL__2PRFIN20070427_160301_000000362057_00355_26962_3501.N1	27-APR-2007 16:03:01	Bright	36.000	121	29Gam Vir	2.7400	7200.0	72	26962	No
232	GOM_NL__2PRFIN20070427_160626_000000362057_00355_26962_3502.N1	27-APR-2007 16:06:26	Bright	36.000	138	47Eps Vir	2.8280	4700.0	72	26962	No
233	GOM_NL__2PRFIN20070427_161414_000000352057_00355_26962_3503.N1	27-APR-2007 16:14:14	Bright	35.000	152	12Alp2CVn	2.8900	11000.	70	26962	No
234	GOM_NL__2PRFIN20070427_161838_000000372057_00355_26962_3504.N1	27-APR-2007 16:18:38	Bright	36.500	87	64Gam UMa	2.4330	11000.	73	26962	No
235	GOM_NL__2PRFIN20070427_162117_000000372057_00355_26962_3505.N1	27-APR-2007 16:21:17	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	26962	No
236	GOM_NL__2PRFIN20070427_162523_000000352057_00355_26962_3506.N1	27-APR-2007 16:25:23	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	26962	No
237	GOM_NL__2PRFIN20070427_162856_000000372057_00355_26962_3507.N1	27-APR-2007 16:28:56	Bright	36.500	49	1Alp UMi	1.9900	6300.0	73	26962	No
238	GOM_NL__2PRFIN20070427_163641_000000352057_00355_26962_3508.N1	27-APR-2007 16:36:41	Bright	35.000	110	37Del Cas	2.6780	8900.0	70	26962	No
239	GOM_NL__2PRFIN20070427_163807_000000522057_00355_26962_3509.N1	27-APR-2007 16:38:07	Bright	52.000	68	18Alp Cas	2.2250	4500.0	104	26962	No
240	GOM_NL__2PRFIN20070427_164700_000000422057_00355_26962_3510.N1	27-APR-2007 16:47:00	Bright	42.000	93	53Bet Peg	2.5200	3100.0	84	26962	No
241	GOM_NL__2PRFIN20070427_165050_000000452057_00355_26962_3511.N1	27-APR-2007 16:50:50	Twilight	44.500	90	54Alp Peg	2.4870	11000.	89	26962	No
242	GOM_NL__2PRFIN20070427_170330_000000462057_00355_26962_3512.N1	27-APR-2007 17:03:30	Dark	46.000	18	24Alp PsA	1.1660	9700.0	92	26962	No
243	GOM_NL__2PRFIN20070427_170732_000000432057_00355_26962_3513.N1	27-APR-2007 17:07:32	Dark	42.500	172	Gam Gru	3.0030	13100.	85	26962	No
244	GOM_NL__2PRFIN20070427_170913_000000402057_00355_26962_3514.N1	27-APR-2007 17:09:13	Dark	39.500	31	Alp Gru	1.7340	15200.	79	26962	No
245	GOM_NL__2PRFIN20070427_171200_000000372057_00355_26962_3515.N1	27-APR-2007 17:12:00	Dark	37.000	148	Alp Tuc	2.8780	4100.0	74	26962	No
246	GOM_NL__2PRFIN20070427_171436_000000472057_00356_26963_3514.N1	27-APR-2007 17:14:36	Dark	47.000	45	Alp Pav	1.9400	26000.	94	26963	No
247	GOM_NL__2PRFIN20070427_172126_000000412057_00356_26963_3515.N1	27-APR-2007 17:21:26	Dark	40.500	43	Alp TrA	1.9100	4250.0	81	26963	No
248	GOM_NL__2PRFIN20070427_172337_000000372057_00356_26963_3516.N1	27-APR-2007 17:23:37	Straylight	37.000	134	Bet TrA	2.8100	6600.0	74	26963	No
249	GOM_NL__2PRFIN20070427_172546_000000512057_00356_26963_3517.N1	27-APR-2007 17:25:46	Straylight	50.500	4	Alp1Cen	-0.010000	5800.0	101	26963	No
250	GOM_NL__2PRFIN20070427_172908_000000392057_00356_26963_3518.N1	27-APR-2007 17:29:08	Straylight	38.500	78	Alp Lup	2.3040	28000.	77	26963	No
251	GOM_NL__2PRFIN20070427_173042_000000412057_00356_26963_3519.N1	27-APR-2007 17:30:42	Straylight	40.500	81	Eta Cen	2.3560	28000.	81	26963	No
252	GOM_NL__2PRFIN20070427_173251_000000462057_00356_26963_3520.N1	27-APR-2007 17:32:51	Straylight	46.000	54	5The Cen	2.0550	4500.0	92	26963	No
253	GOM_NL__2PRFIN20070427_173712_000000402057_00356_26963_3521.N1	27-APR-2007 17:37:12	Bright	40.000	169	46Gam Hya	2.9910	4700.0	80	26963	No
254	GOM_NL__2PRFIN20070427_174035_000000402057_00356_26963_3522.N1	27-APR-2007 17:40:35	Bright	39.500	15	67Alp Vir	0.97600	28000.	79	26963	No
255	GOM_NL__2PRFIN20070427_174337_000000362057_00356_26963_3523.N1	27-APR-2007 17:43:37	Bright	36.000	121	29Gam Vir	2.7400	7200.0	72	26963	No
256	GOM_NL__2PRFIN20070427_174702_000000352057_00356_26963_3524.N1	27-APR-2007 17:47:02	Bright	35.000	138	47Eps Vir	2.8280	4700.0	70	26963	No
257	GOM_NL__2PRFIN20070427_175450_000000352057_00356_26963_3525.N1	27-APR-2007 17:54:50	Bright	34.500	152	12Alp2CVn	2.8900	11000.	69	26963	No
258	GOM_NL__2PRFIN20070427_175914_000000362057_00356_26963_3526.N1	27-APR-2007 17:59:14	Bright	35.500	87	64Gam UMa	2.4330	11000.	71	26963	No
259	GOM_NL__2PRFIN20070427_180153_000000372057_00356_26963_3527.N1	27-APR-2007 18:01:53	Bright	36.500	36	50Alp UMa	1.8000	6300.0	73	26963	No
260	GOM_NL__2PRFIN20070427_180559_000000552057_00356_26963_3528.N1	27-APR-2007 18:05:59	Bright	55.000	60	7Bet UMi	2.0810	3950.0	110	26963	No
261	GOM_NL__2PRFIN20070427_180932_000000362057_00356_26963_3529.N1	27-APR-2007 18:09:32	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	26963	No
262	GOM_NL__2PRFIN20070427_181717_000000332057_00356_26963_3530.N1	27-APR-2007 18:17:17	Bright	33.000	110	37Del Cas	2.6780	8900.0	66	26963	No
263	GOM_NL__2PRFIN20070427_181843_000000342057_00356_26963_3531.N1	27-APR-2007 18:18:43	Bright	33.500	68	18Alp Cas	2.2250	4500.0	67	26963	No
264	GOM_NL__2PRFIN20070427_182736_000000442057_00356_26963_3532.N1	27-APR-2007 18:27:36	Bright	43.500	93	53Bet Peg	2.5200	3100.0	87	26963	No
265	GOM_NL__2PRFIN20070427_183127_000000432057_00356_26963_3533.N1	27-APR-2007 18:31:27	Twilight	42.500	90	54Alp Peg	2.4870	11000.	85	26963	No
266	GOM_NL__2PRFIN20070427_184407_000000422057_00356_26963_3534.N1	27-APR-2007 18:44:07	Dark	41.500	18	24Alp PsA	1.1660	9700.0	83	26963	No
267	GOM_NL__2PRFIN20070427_184809_000000402057_00356_26963_3535.N1	27-APR-2007 18:48:09	Dark	40.000	172	Gam Gru	3.0030	13100.	80	26963	No
268	GOM_NL__2PRFIN20070427_184949_000000422057_00356_26963_3536.N1	27-APR-2007 18:49:49	Dark	41.500	31	Alp Gru	1.7340	15200.	83	26963	No
269	GOM_NL__2PRFIN20070427_185236_000000442057_00356_26963_3537.N1	27-APR-2007 18:52:36	Dark	43.500	148	Alp Tuc	2.8780	4100.0	87	26963	No
270	GOM_NL__2PRFIN20070427_185512_000000412057_00357_26964_3530.N1	27-APR-2007 18:55:12	Dark	40.500	45	Alp Pav	1.9400	26000.	81	26964	No
271	GOM_NL__2PRFIN20070427_190203_000000392057_00357_26964_3531.N1	27-APR-2007 19:02:03	Dark	38.500	43	Alp TrA	1.9100	4250.0	77	26964	No
272	GOM_NL__2PRFIN20070427_190414_000000382057_00357_26964_3532.N1	27-APR-2007 19:04:14	Straylight	37.500	134	Bet TrA	2.8100	6600.0	75	26964	No
273	GOM_NL__2PRFIN20070427_190622_000000442057_00357_26964_3533.N1	27-APR-2007 19:06:22	Straylight	43.500	4	Alp1Cen	-0.010000	5800.0	87	26964	No
274	GOM_NL__2PRFIN20070427_190945_000000382057_00357_26964_3534.N1	27-APR-2007 19:09:45	Straylight	38.000	78	Alp Lup	2.3040	28000.	76	26964	No
275	GOM_NL__2PRFIN20070427_191118_000000422057_00357_26964_3535.N1	27-APR-2007 19:11:18	Straylight	42.000	81	Eta Cen	2.3560	28000.	84	26964	No
276	GOM_NL__2PRFIN20070427_191327_000000432057_00357_26964_3536.N1	27-APR-2007 19:13:27	Straylight	42.500	54	5The Cen	2.0550	4500.0	85	26964	No
277	GOM_NL__2PRFIN20070427_191748_000000462057_00357_26964_3537.N1	27-APR-2007 19:17:48	Bright	45.500	169	46Gam Hya	2.9910	4700.0	91	26964	No
278	GOM_NL__2PRFIN20070427_192111_000000392057_00357_26964_3538.N1	27-APR-2007 19:21:11	Bright	39.000	15	67Alp Vir	0.97600	28000.	78	26964	No

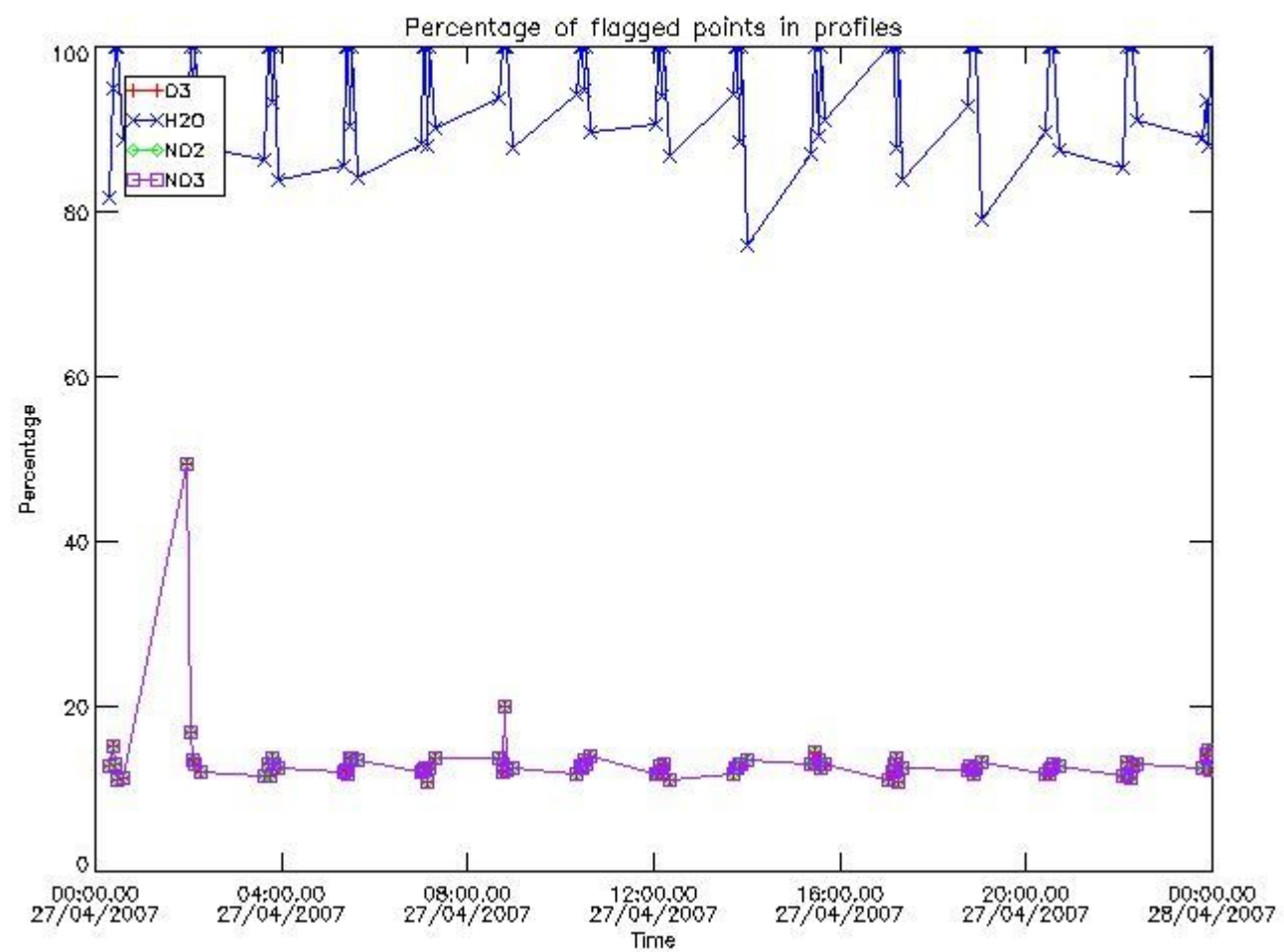
279	GOM_NL__2PRFIN20070427_192413_000000362057_00357_26964_3539.N1	27-APR-2007 19:24:13	Bright	35.500	121	29Gam Vir	2.7400	7200.0	71	26964	No
280	GOM_NL__2PRFIN20070427_192738_000000362057_00357_26964_3540.N1	27-APR-2007 19:27:38	Bright	35.500	138	47Eps Vir	2.8280	4700.0	71	26964	No
281	GOM_NL__2PRFIN20070427_193526_000000362057_00357_26964_3541.N1	27-APR-2007 19:35:26	Bright	35.500	152	12Alp2CVn	2.8900	11000.	71	26964	No
282	GOM_NL__2PRFIN20070427_193950_000000352057_00357_26964_3542.N1	27-APR-2007 19:39:50	Bright	35.000	87	64Gam UMa	2.4330	11000.	70	26964	No
283	GOM_NL__2PRFIN20070427_194229_000000362057_00357_26964_3543.N1	27-APR-2007 19:42:29	Bright	35.500	36	50Alp UMa	1.8000	6300.0	71	26964	No
284	GOM_NL__2PRFIN20070427_194635_000000382057_00357_26964_3544.N1	27-APR-2007 19:46:35	Bright	37.500	60	7Bet UMi	2.0810	3950.0	75	26964	No
285	GOM_NL__2PRFIN20070427_195008_000000362057_00357_26964_3545.N1	27-APR-2007 19:50:08	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	26964	No
286	GOM_NL__2PRFIN20070427_195754_000000332057_00357_26964_3546.N1	27-APR-2007 19:57:54	Bright	33.000	110	37Del Cas	2.6780	8900.0	66	26964	No
287	GOM_NL__2PRFIN20070427_195919_000000502057_00357_26964_3547.N1	27-APR-2007 19:59:19	Bright	50.000	68	18Alp Cas	2.2250	4500.0	100	26964	No
288	GOM_NL__2PRFIN20070427_200812_000000432057_00357_26964_3548.N1	27-APR-2007 20:08:12	Bright	42.500	93	53Bet Peg	2.5200	3100.0	85	26964	No
289	GOM_NL__2PRFIN20070427_201203_000000422057_00357_26964_3549.N1	27-APR-2007 20:12:03	Twilight	42.000	90	54Alp Peg	2.4870	11000.	84	26964	No
290	GOM_NL__2PRFIN20070427_202443_000000442057_00357_26964_3550.N1	27-APR-2007 20:24:43	Dark	43.500	18	24Alp PsA	1.1660	9700.0	87	26964	No
291	GOM_NL__2PRFIN20070427_202846_000000422057_00357_26964_3551.N1	27-APR-2007 20:28:46	Dark	41.500	172	Gam Gru	3.0030	13100.	83	26964	No
292	GOM_NL__2PRFIN20070427_203025_000000442057_00357_26964_3552.N1	27-APR-2007 20:30:25	Dark	43.500	31	Alp Gru	1.7340	15200.	87	26964	No
293	GOM_NL__2PRFIN20070427_203312_000000412057_00357_26964_3553.N1	27-APR-2007 20:33:12	Dark	41.000	148	Alp Tuc	2.8780	4100.0	82	26964	No
294	GOM_NL__2PRFIN20070427_203549_000000402057_00358_26965_3546.N1	27-APR-2007 20:35:49	Dark	39.500	45	Alp Pav	1.9400	26000.	79	26965	No
295	GOM_NL__2PRFIN20070427_204239_000000402057_00358_26965_3547.N1	27-APR-2007 20:42:39	Dark	40.000	43	Alp TrA	1.9100	4250.0	80	26965	No
296	GOM_NL__2PRFIN20070427_204450_000000392057_00358_26965_3548.N1	27-APR-2007 20:44:50	Straylight	38.500	134	Bet TrA	2.8100	6600.0	77	26965	No
297	GOM_NL__2PRFIN20070427_204659_000000482057_00358_26965_3549.N1	27-APR-2007 20:46:59	Straylight	47.500	4	Alp1Cen	-0.010000	5800.0	95	26965	No
298	GOM_NL__2PRFIN20070427_205021_000000412057_00358_26965_3550.N1	27-APR-2007 20:50:21	Straylight	41.000	78	Alp Lup	2.3040	28000.	82	26965	No
299	GOM_NL__2PRFIN20070427_205154_000000422057_00358_26965_3551.N1	27-APR-2007 20:51:54	Straylight	42.000	81	Eta Cen	2.3560	28000.	84	26965	No
300	GOM_NL__2PRFIN20070427_205403_000000442057_00358_26965_3552.N1	27-APR-2007 20:54:03	Straylight	44.000	54	5The Cen	2.0550	4500.0	88	26965	No
301	GOM_NL__2PRFIN20070427_205824_000000412057_00358_26965_3553.N1	27-APR-2007 20:58:24	Bright	40.500	169	46Gam Hya	2.9910	4700.0	81	26965	No
302	GOM_NL__2PRFIN20070427_210147_000000382057_00358_26965_3554.N1	27-APR-2007 21:01:47	Bright	37.500	15	67Alp Vir	0.97600	28000.	75	26965	No
303	GOM_NL__2PRFIN20070427_210449_000000352057_00358_26965_3555.N1	27-APR-2007 21:04:49	Bright	35.000	121	29Gam Vir	2.7400	7200.0	70	26965	No
304	GOM_NL__2PRFIN20070427_210814_000000362057_00358_26965_3556.N1	27-APR-2007 21:08:14	Bright	35.500	138	47Eps Vir	2.8280	4700.0	71	26965	No
305	GOM_NL__2PRFIN20070427_211602_000000362057_00358_26965_3557.N1	27-APR-2007 21:16:02	Bright	35.500	152	12Alp2CVn	2.8900	11000.	71	26965	No
306	GOM_NL__2PRFIN20070427_212026_000000362057_00358_26965_3558.N1	27-APR-2007 21:20:26	Bright	36.000	87	64Gam UMa	2.4330	11000.	72	26965	No
307	GOM_NL__2PRFIN20070427_212305_000000362057_00358_26965_3559.N1	27-APR-2007 21:23:05	Bright	36.000	36	50Alp UMa	1.8000	6300.0	72	26965	No
308	GOM_NL__2PRFIN20070427_212710_000000382057_00358_26965_3560.N1	27-APR-2007 21:27:10	Bright	38.000	60	7Bet UMi	2.0810	3950.0	76	26965	No
309	GOM_NL__2PRFIN20070427_213044_000000362057_00358_26965_3561.N1	27-APR-2007 21:30:44	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	26965	No
310	GOM_NL__2PRFIN20070427_213830_000000432057_00358_26965_3562.N1	27-APR-2007 21:38:30	Bright	43.000	110	37Del Cas	2.6780	8900.0	86	26965	No
311	GOM_NL__2PRFIN20070427_213955_000000332057_00358_26965_3563.N1	27-APR-2007 21:39:55	Bright	32.500	68	18Alp Cas	2.2250	4500.0	65	26965	No
312	GOM_NL__2PRFIN20070427_214848_000000462057_00358_26965_3564.N1	27-APR-2007 21:48:48	Bright	46.000	93	53Bet Peg	2.5200	3100.0	92	26965	No
313	GOM_NL__2PRFIN20070427_215239_000000452057_00358_26965_3565.N1	27-APR-2007 21:52:39	Twilight	44.500	90	54Alp Peg	2.4870	11000.	89	26965	No
314	GOM_NL__2PRFIN20070427_220519_000000452057_00358_26965_3566.N1	27-APR-2007 22:05:19	Dark	44.500	18	24Alp PsA	1.1660	9700.0	89	26965	No
315	GOM_NL__2PRFIN20070427_220922_000000432057_00358_26965_3567.N1	27-APR-2007 22:09:22	Dark	42.500	172	Gam Gru	3.0030	13100.	85	26965	No
316	GOM_NL__2PRFIN20070427_221102_000000432057_00358_26965_3568.N1	27-APR-2007 22:11:02	Dark	43.000	31	Alp Gru	1.7340	15200.	86	26965	No
317	GOM_NL__2PRFIN20070427_221349_000000452057_00358_26965_3569.N1	27-APR-2007 22:13:49	Dark	45.000	148	Alp Tuc	2.8780	4100.0	90	26965	No
318	GOM_NL__2PRFIN20070427_221625_000000402057_00359_26966_3553.N1	27-APR-2007 22:16:25	Dark	40.000	45	Alp Pav	1.9400	26000.	80	26966	No
319	GOM_NL__2PRFIN20070427_222315_000000402057_00359_26966_3554.N1	27-APR-2007 22:23:15	Dark	39.500	43	Alp TrA	1.9100	4250.0	79	26966	No
320	GOM_NL__2PRFIN20070427_222526_000000372057_00359_26966_3555.N1	27-APR-2007 22:25:26	Straylight	37.000	134	Bet TrA	2.8100	6600.0	74	26966	No
321	GOM_NL__2PRFIN20070427_222735_000000532057_00359_26966_3556.N1	27-APR-2007 22:27:35	Straylight	53.000	4	Alp1Cen	-0.010000	5800.0	106	26966	No
322	GOM_NL__2PRFIN20070427_223057_000000412057_00359_26966_3557.N1	27-APR-2007 22:30:57	Straylight	40.500	78	Alp Lup	2.3040	28000.	81	26966	No
323	GOM_NL__2PRFIN20070427_223230_000000392057_00359_26966_3558.N1	27-APR-2007 22:32:30	Straylight	39.000	81	Eta Cen	2.3560	28000.	78	26966	No
324	GOM_NL__2PRFIN20070427_223439_000000432057_00359_26966_3559.N1	27-APR-2007 22:34:39	Straylight	43.000	54	5The Cen	2.0550	4500.0	86	26966	No
325	GOM_NL__2PRFIN20070427_223900_000000392057_00359_26966_3560.N1	27-APR-2007 22:39:00	Bright	39.000	169	46Gam Hya	2.9910	4700.0	78	26966	No
326	GOM_NL__2PRFIN20070427_224223_000000392057_00359_26966_3561.N1	27-APR-2007 22:42:23	Bright	38.500	15	67Alp Vir	0.97600	28000.	77	26966	No
327	GOM_NL__2PRFIN20070427_224525_000000352057_00359_26966_3562.N1	27-APR-2007 22:45:25	Bright	35.000	121	29Gam Vir	2.7400	7200.0	70	26966	No
328	GOM_NL__2PRFIN20070427_224850_000000362057_00359_26966_3563.N1	27-APR-2007 22:48:50	Bright	35.500	138	47Eps Vir	2.8280	4700.0	71	26966	No
329	GOM_NL__2PRFIN20070427_225638_000000342057_00359_26966_3564.N1	27-APR-2007 22:56:38	Bright	33.500	152	12Alp2CVn	2.8900	11000.	67	26966	No
330	GOM_NL__2PRFIN20070427_230102_000000342057_00359_26966_3565.N1	27-APR-2007 23:01:02	Bright	33.500	87	64Gam UMa	2.4330	11000.	67	26966	No
331	GOM_NL__2PRFIN20070427_230341_000000382057_00359_26966_3566.N1	27-APR-2007 23:03:41	Bright	37.500	36	50Alp UMa	1.8000	6300.0	75	26966	No
332	GOM_NL__2PRFIN20070427_230746_000000392057_00359_26966_3567.N1	27-APR-2007 23:07:46	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	26966	No
333	GOM_NL__2PRFIN20070427_231120_000000362057_00359_26966_3568.N1	27-APR-2007 23:11:20	Bright	36.000	49	1Alp UMi	1.9900	6300.0	72	26966	No
334	GOM_NL__2PRFIN20070427_231906_000000332057_00359_26966_3569.N1	27-APR-2007 23:19:06	Bright	32.500	110	37Del Cas	2.6780	8900.0	65	26966	No
335	GOM_NL__2PRFIN20070427_232031_000000332057_00359_26966_3570.N1	27-APR-2007 23:20:31	Bright	32.500	68	18Alp Cas	2.2250	4500.0	65	26966	No
336	GOM_NL__2PRFIN20070427_232924_000000412057_00359_26966_3571.N1	27-APR-2007 23:29:24	Bright	41.000	93	53Bet Peg	2.5200	3100.0	82	26966	No
337	GOM_NL__2PRFIN20070427_233315_000000442057_00359_26966_3572.N1	27-APR-2007 23:33:15	Twilight	43.500	90	54Alp Peg	2.4870	11000.	87	26966	No

338	GOM_NL__2PRFIN20070427_234556_000000412057_00359_26966_3573.N1	27-APR-2007 23:45:56	Dark	41.000	18	24Alp PsA	1.1660	9700.0	82	26966	No
339	GOM_NL__2PRFIN20070427_235138_000000402057_00359_26966_3574.N1	27-APR-2007 23:51:38	Dark	39.500	31	Alp Gru	1.7340	15200.	79	26966	No
340	GOM_NL__2PRFIN20070427_235425_000000382057_00359_26966_3575.N1	27-APR-2007 23:54:25	Dark	38.000	148	Alp Tuc	2.8780	4100.0	76	26966	No
341	GOM_NL__2PRFIN20070427_235702_000000422057_00360_26967_3583.N1	27-APR-2007 23:57:02	Dark	41.500	45	Alp Pav	1.9400	26000.	83	26967	No

### 3. Quality information per product

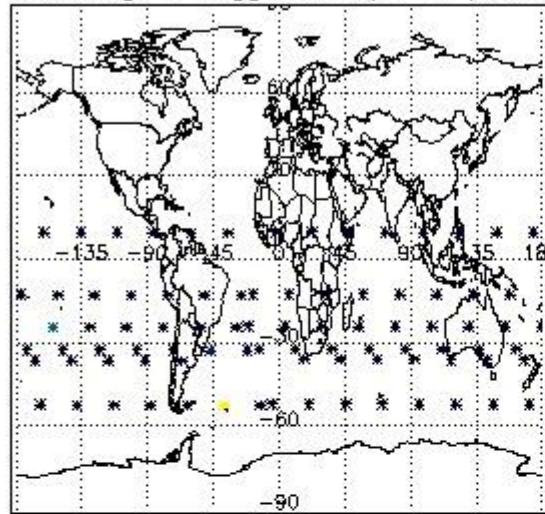
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

#### 3.1 Plot quality information per product (time dependant)

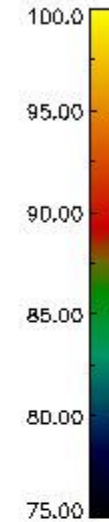
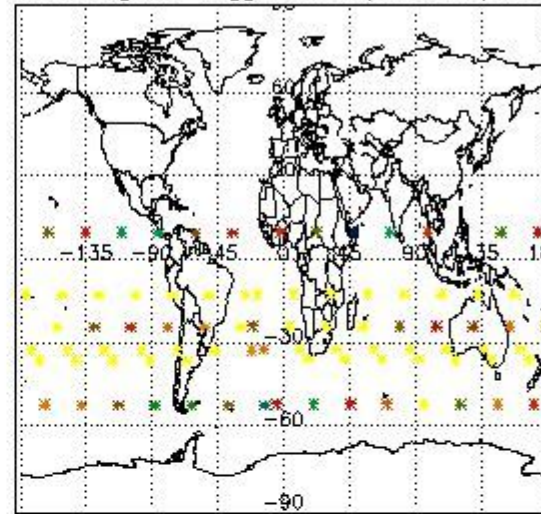


#### 3.2 Plot quality information per product (world map)

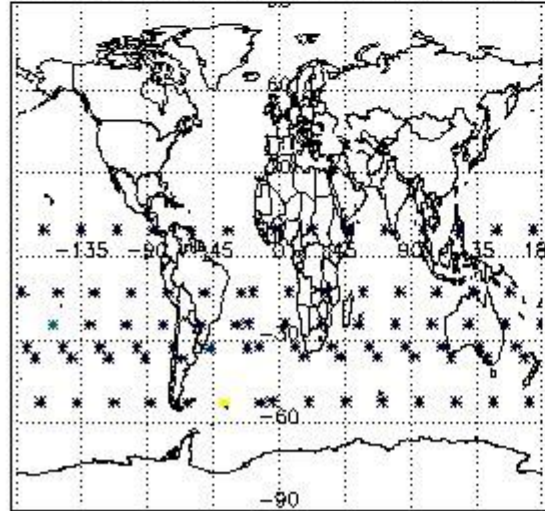
Percentage of flagged data per O3 profile



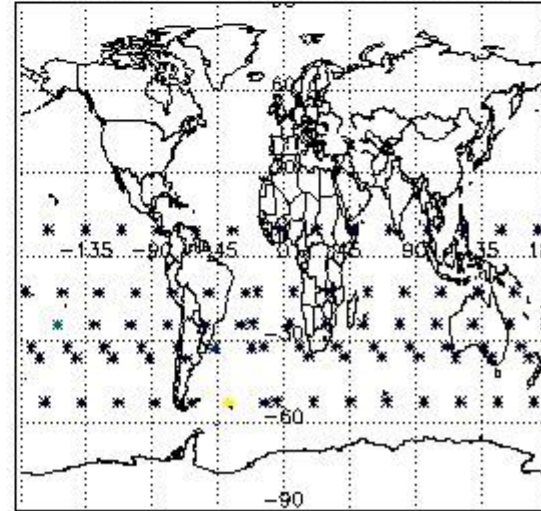
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

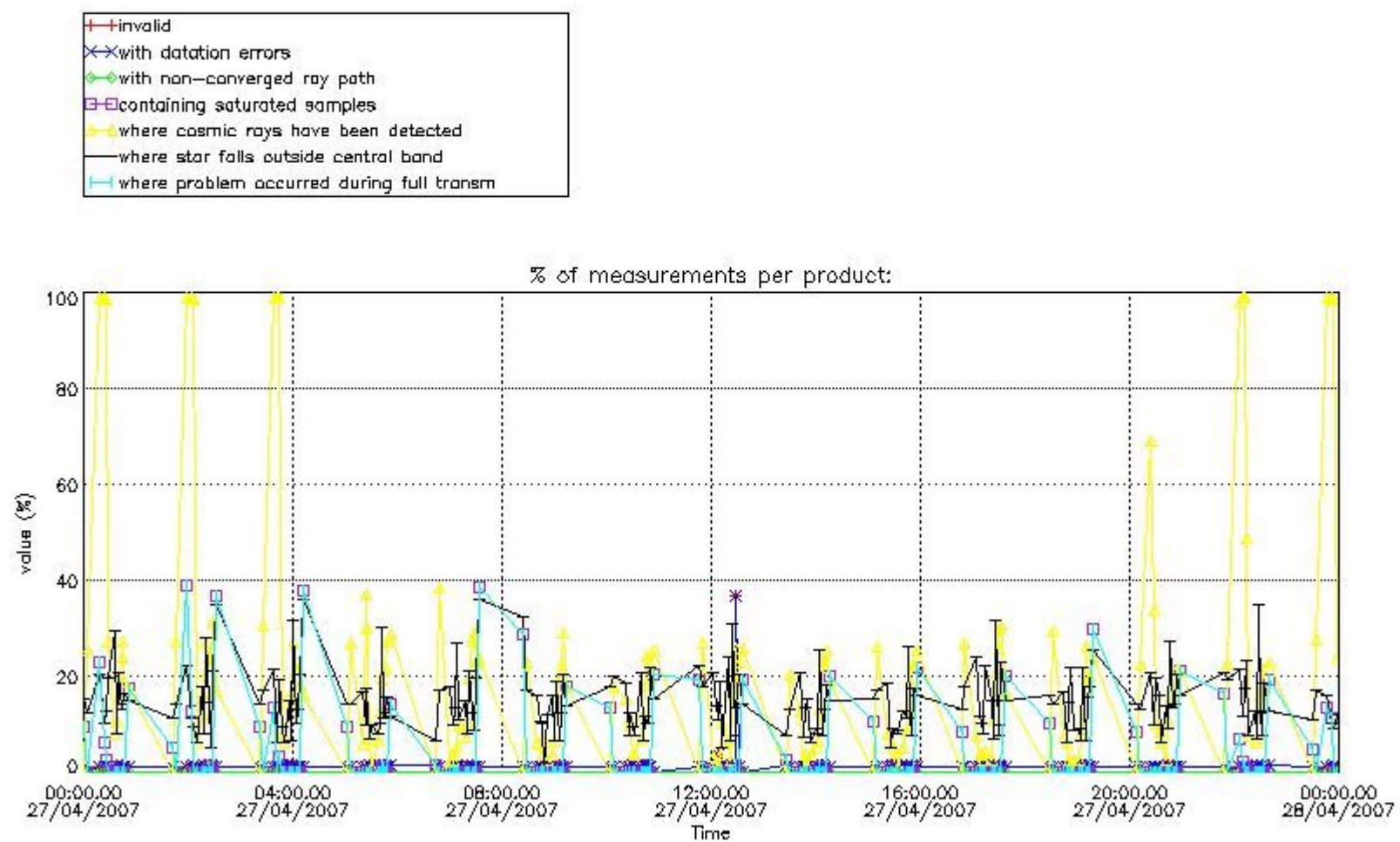


#### 4. Level 1 quality information per product

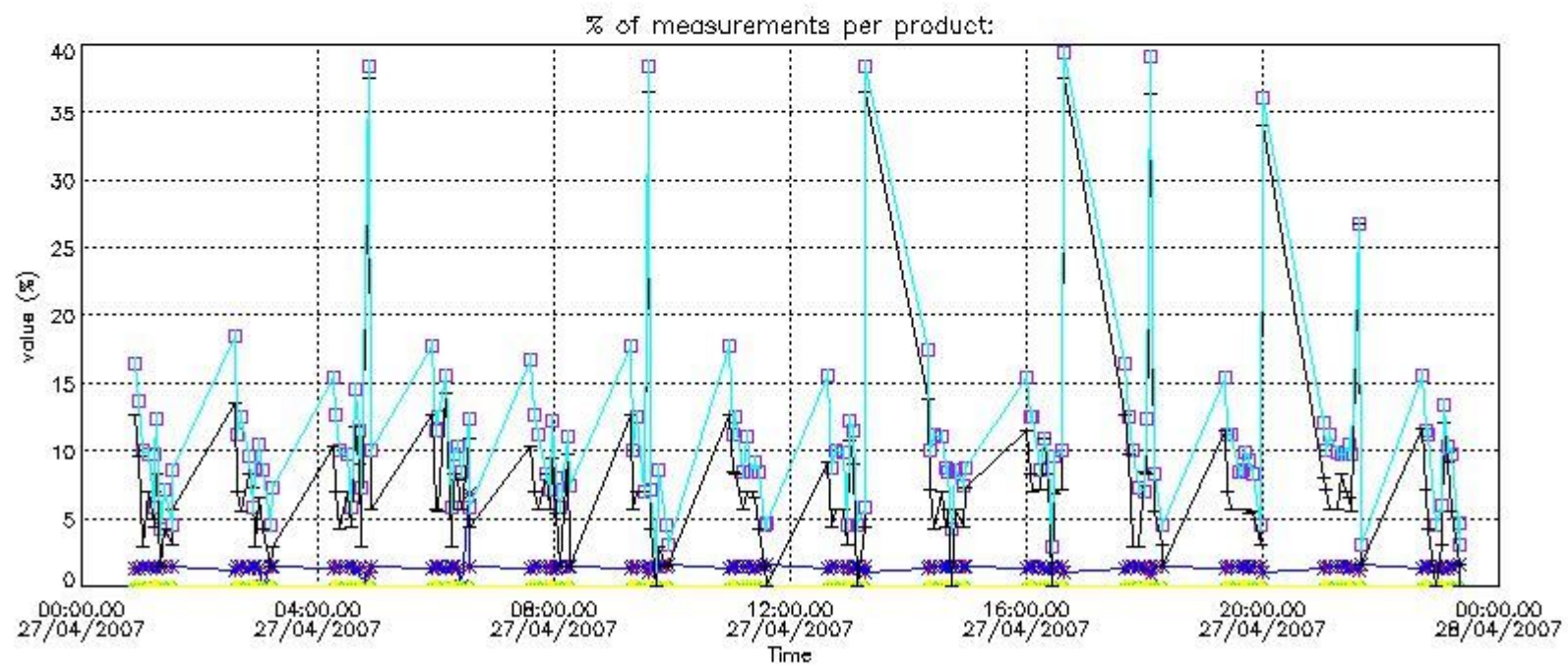
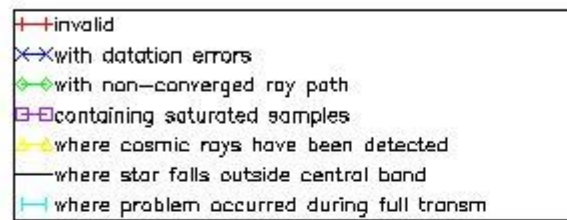
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

##### 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



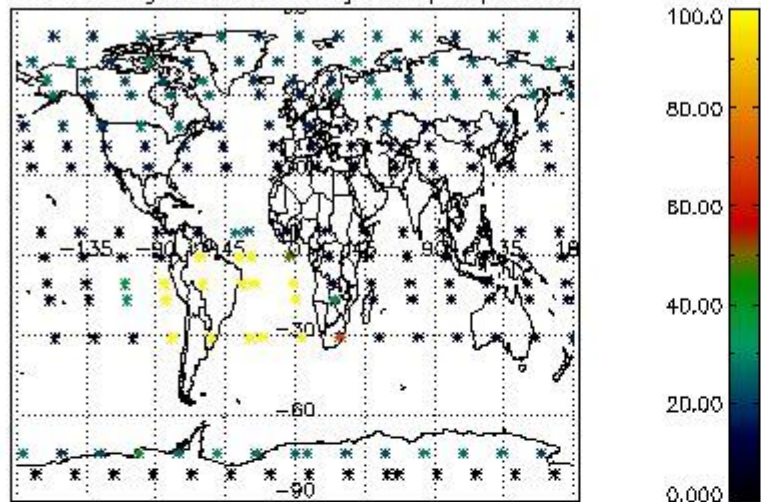
4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



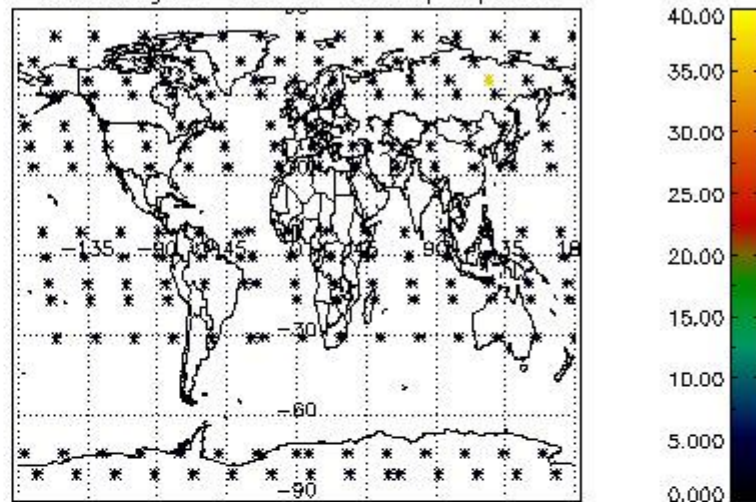
#### 4.2 Plot quality information per product coming from level 1b processing (world map)

##### 4.2.1 Plot level 1 quality information per product (world map): ENVI SAT ASCENDING passes

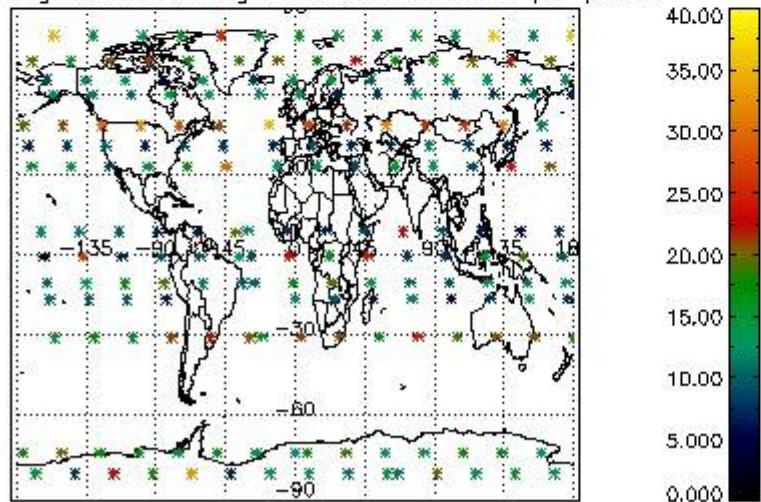
Percentage of cosmic ray hits per profile



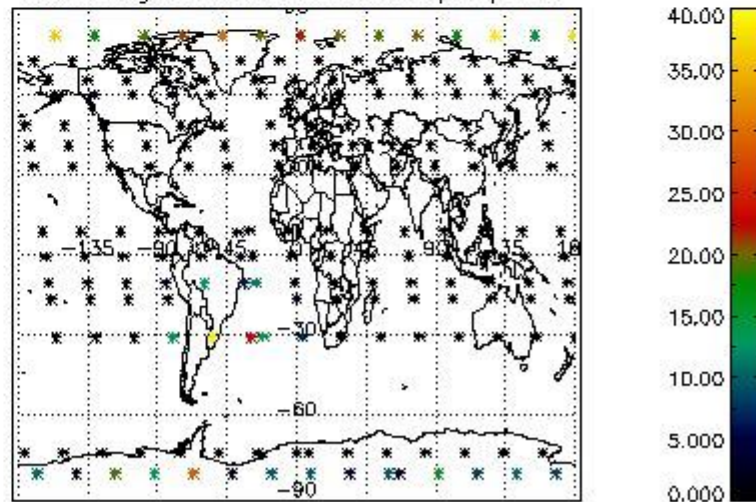
Percentage of datation errors per profile



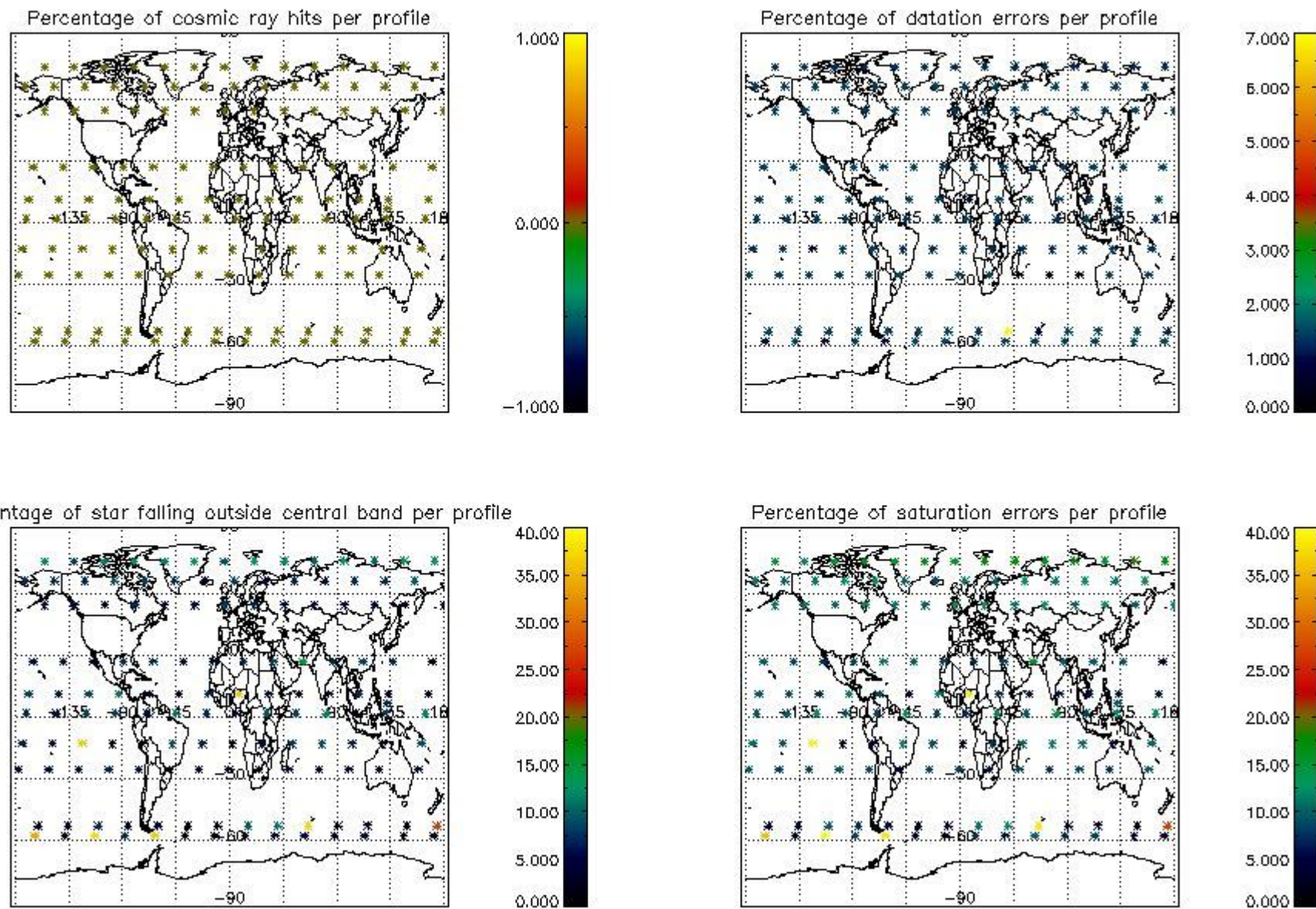
Percentage of star falling outside central band per profile



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.

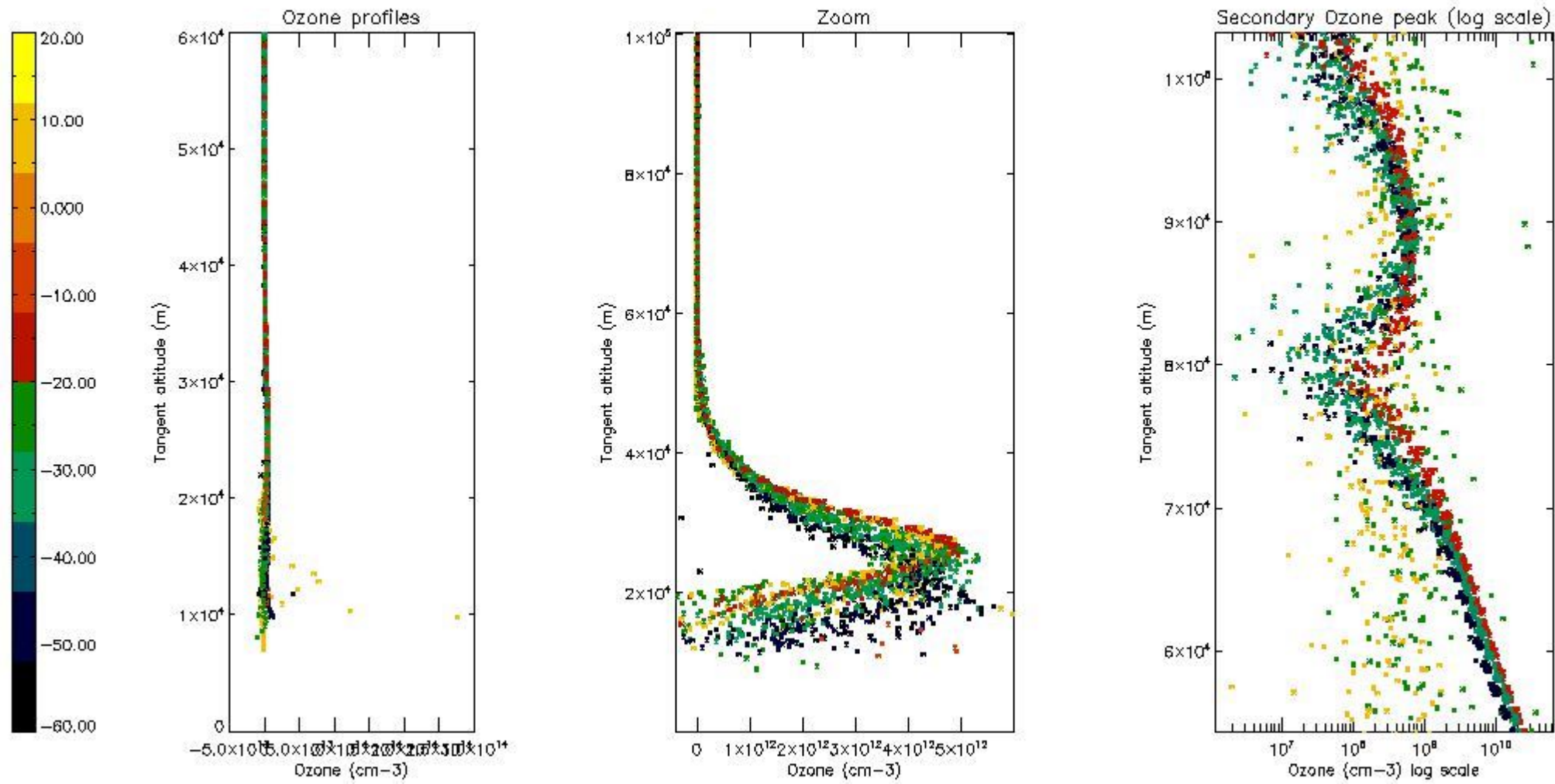
Criteria	% of total production
All STD	27
STD < 20	14



STD < 10	11
STD < 5	7

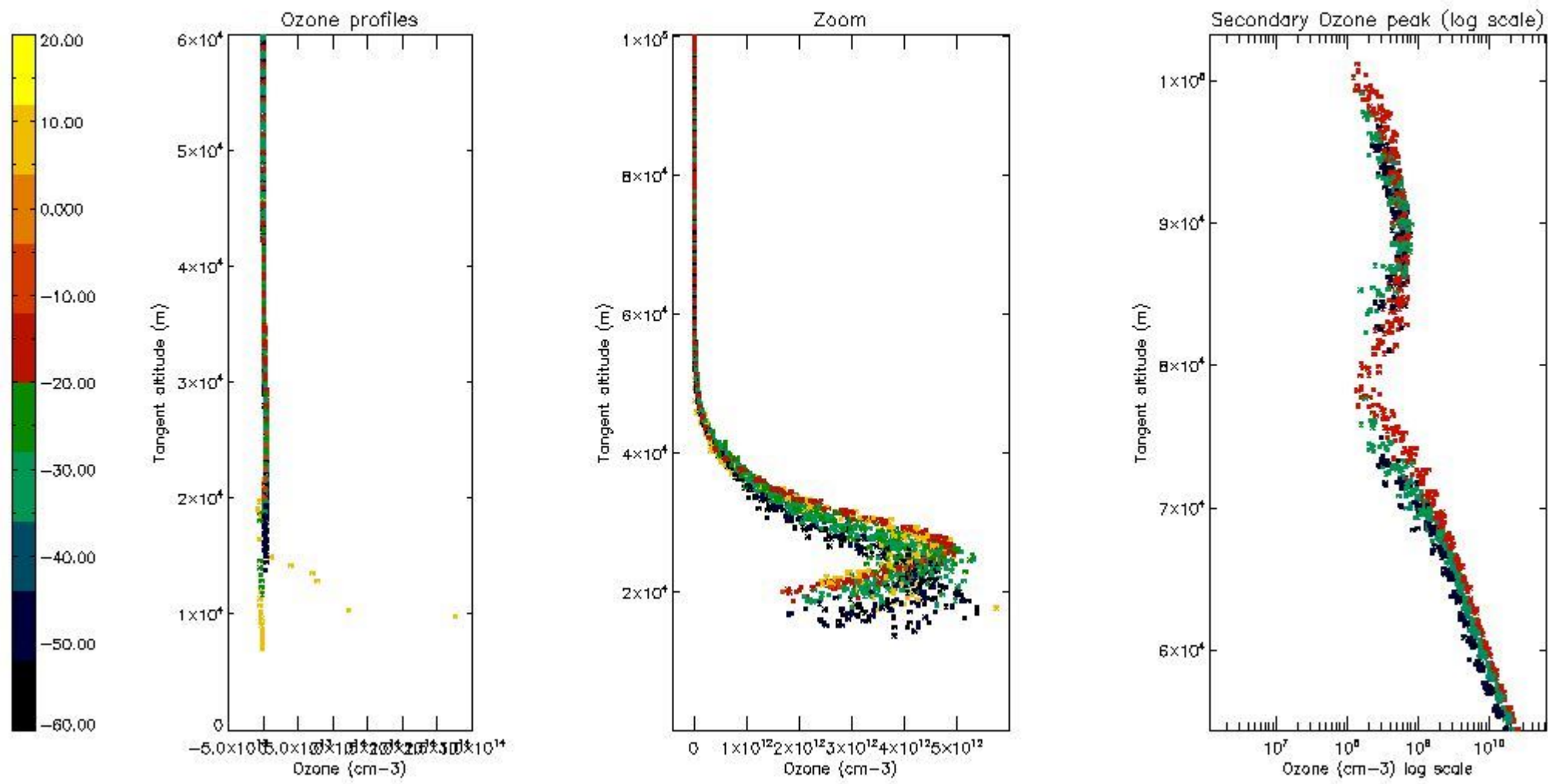
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



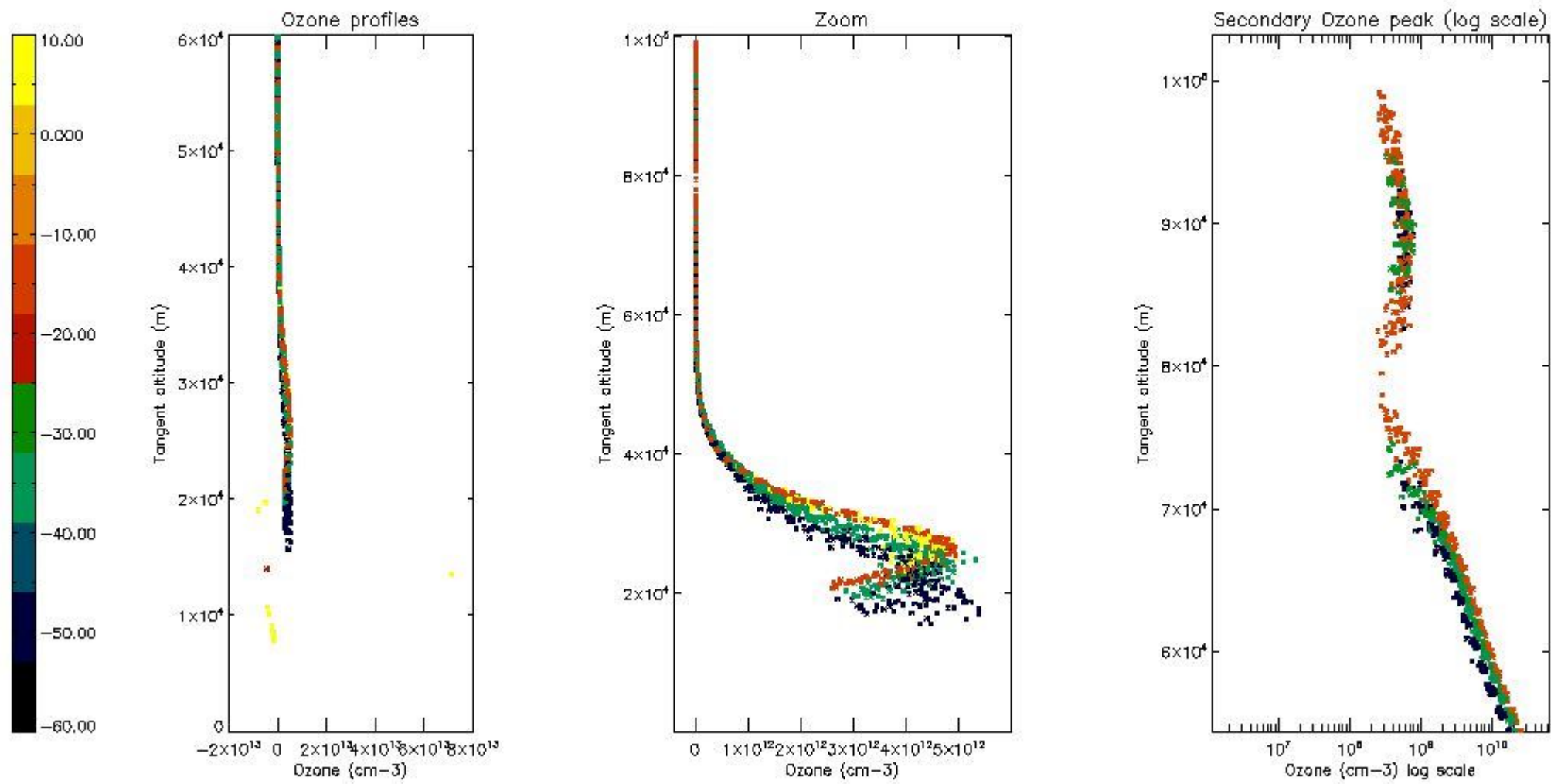
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



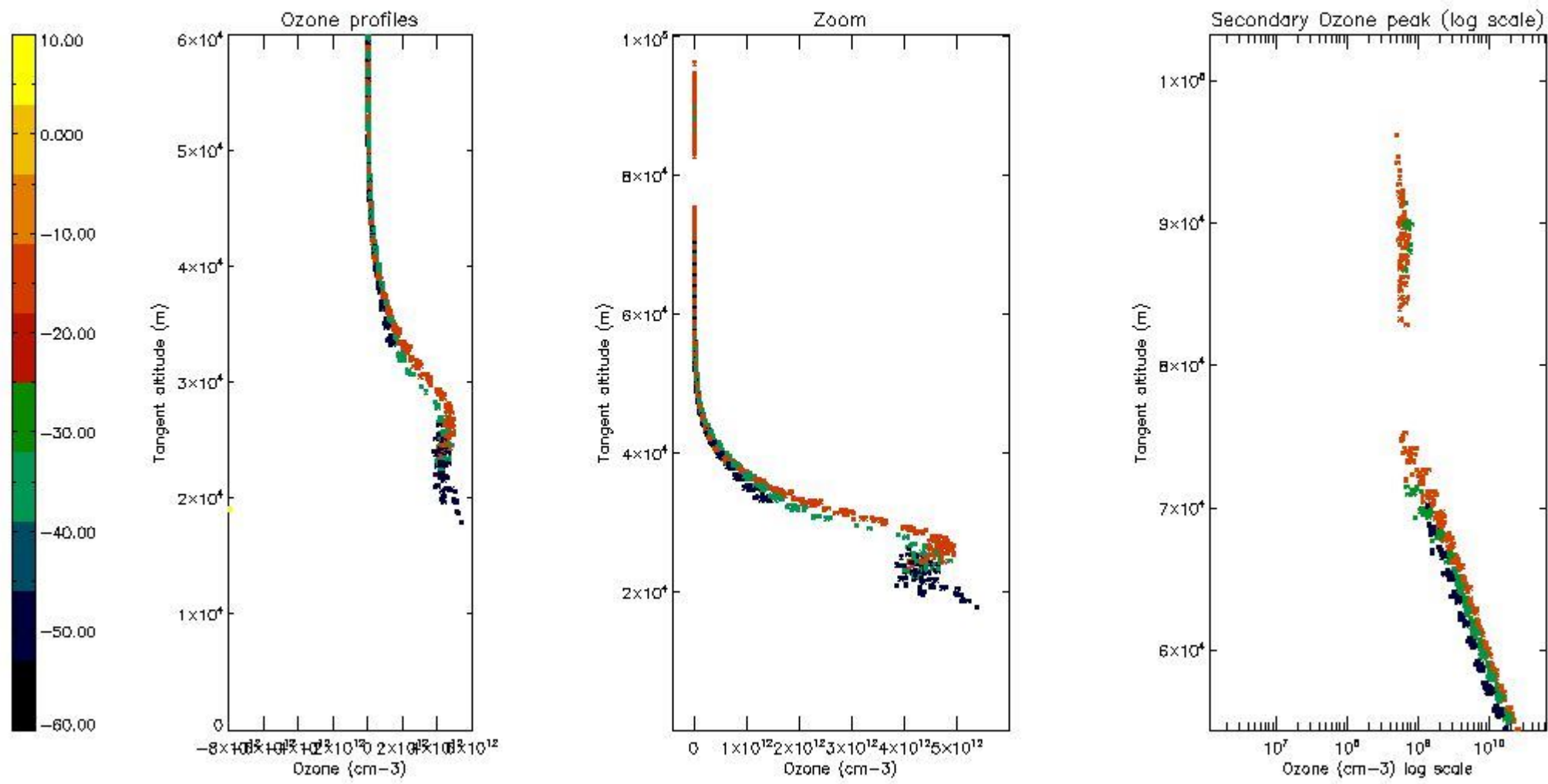
5.4 Plot ozone profiles where  $STD < 10\%$  (dark without errors)

The colorbar represents the latitude.



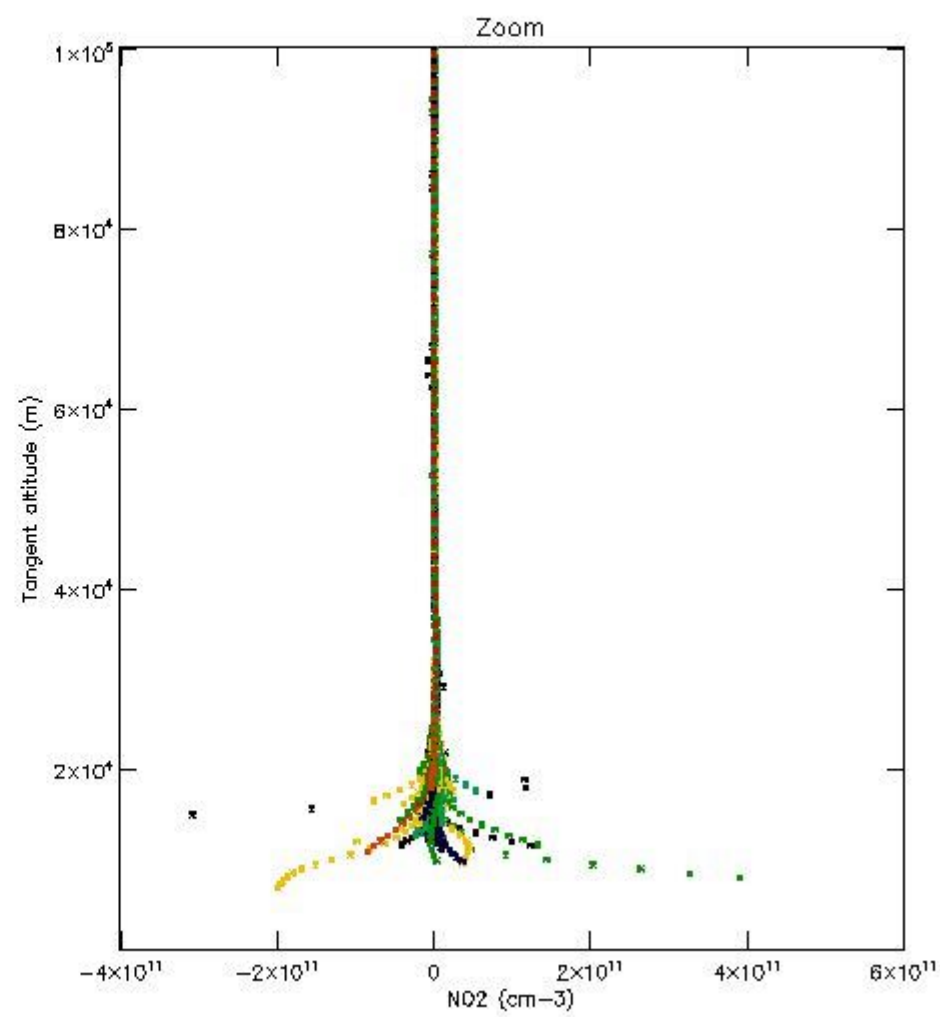
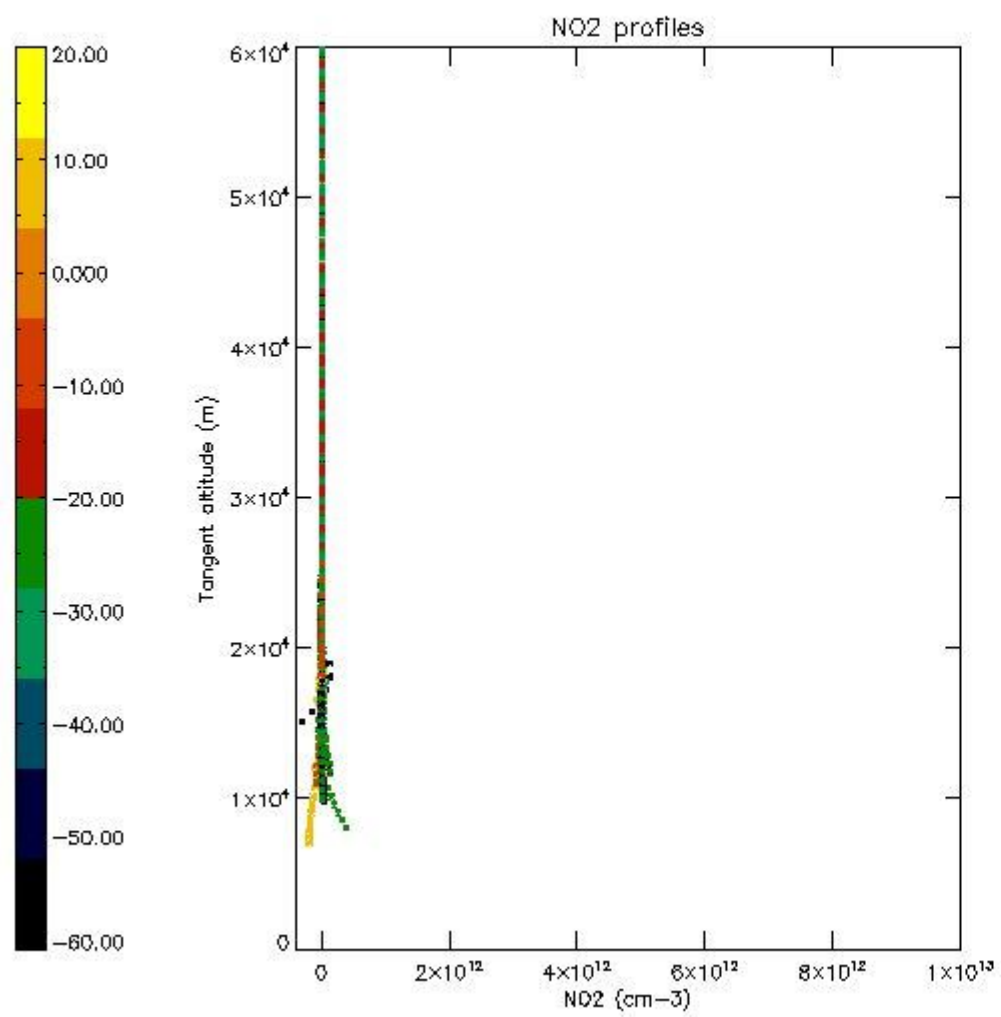
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



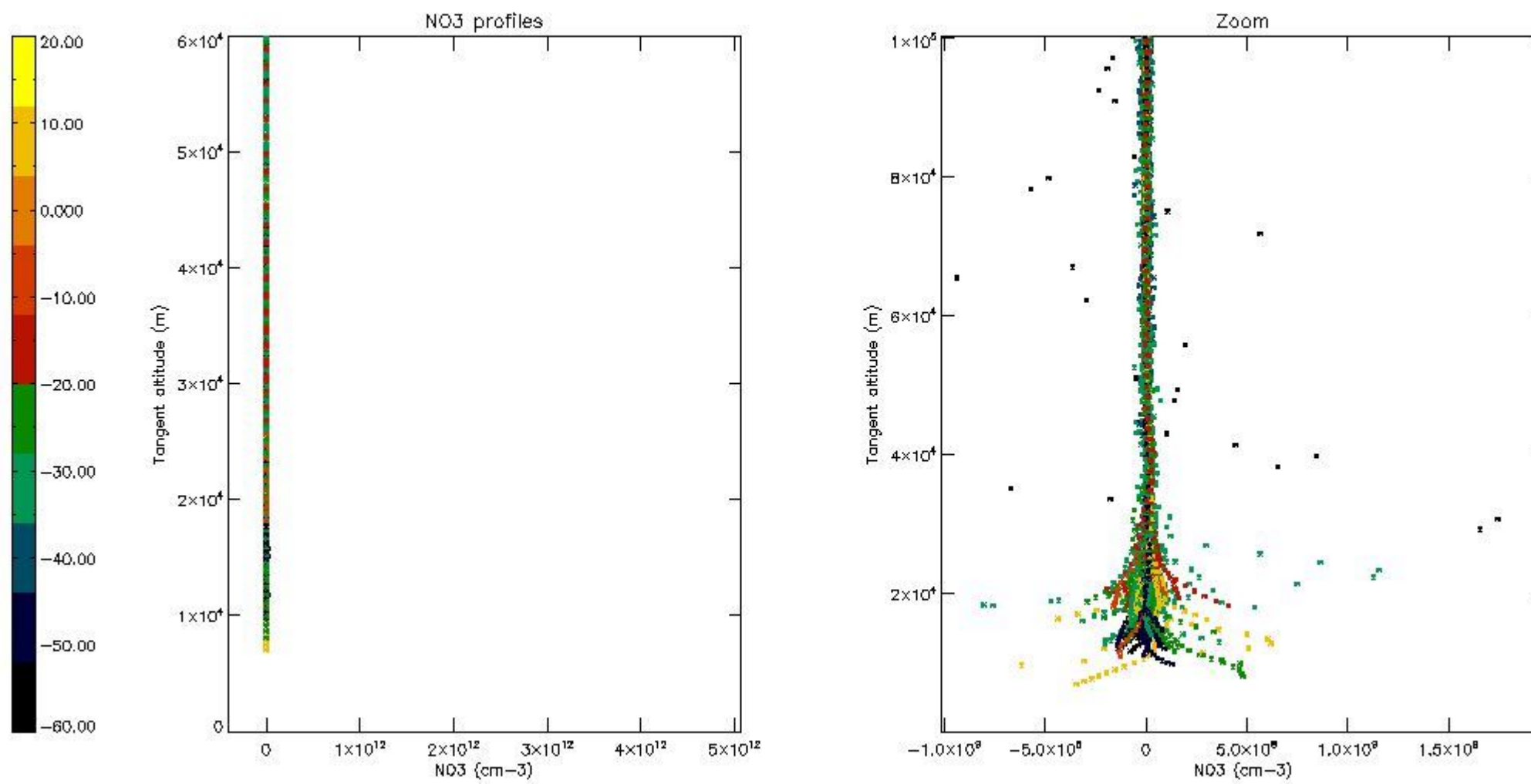
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



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

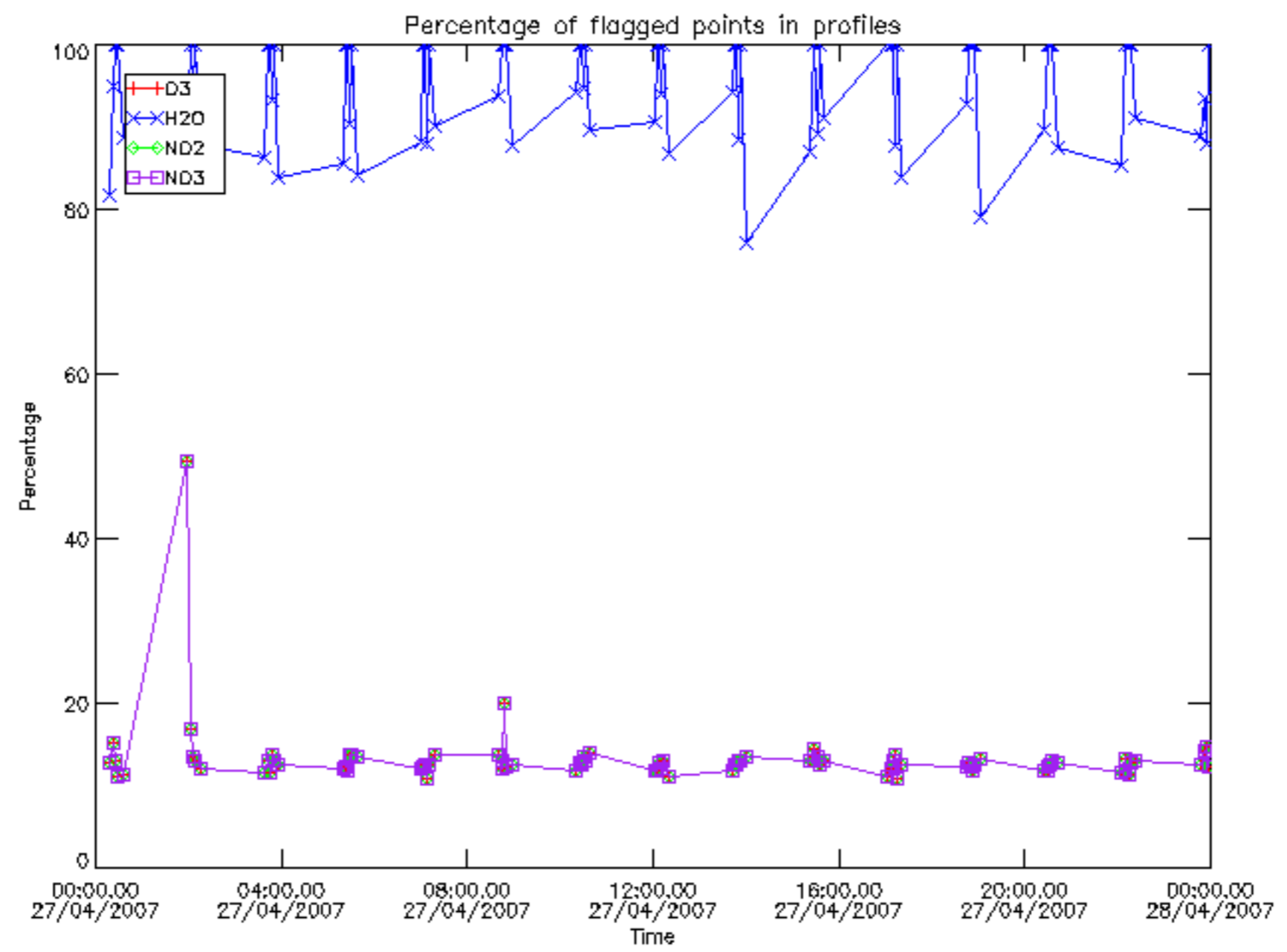
The colorbar represents the latitude.



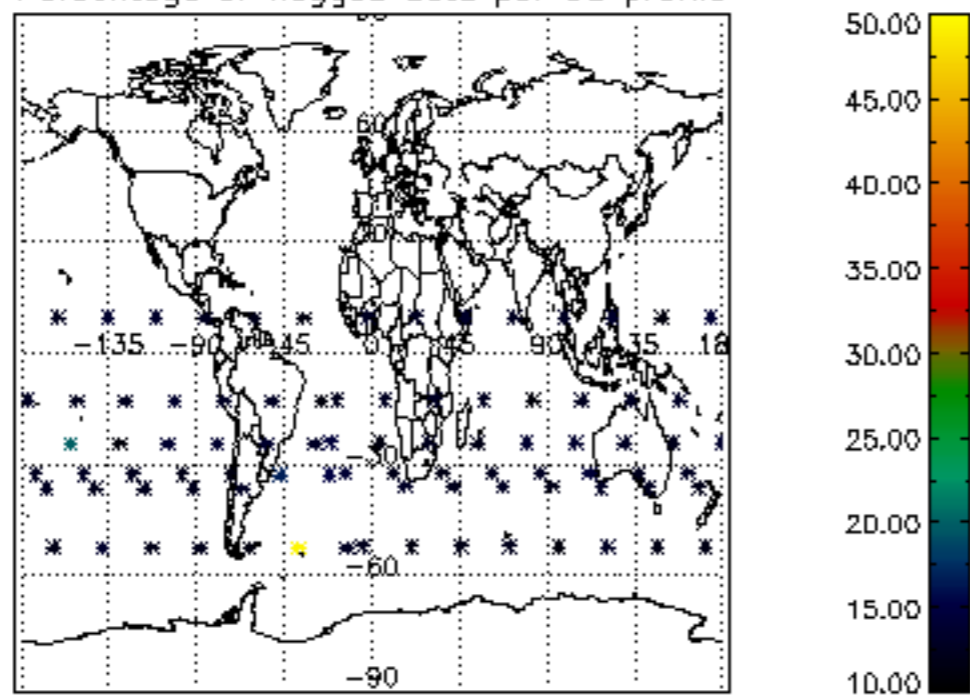
## 6. Auxiliary Data Files used for the production reported in section 2

The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

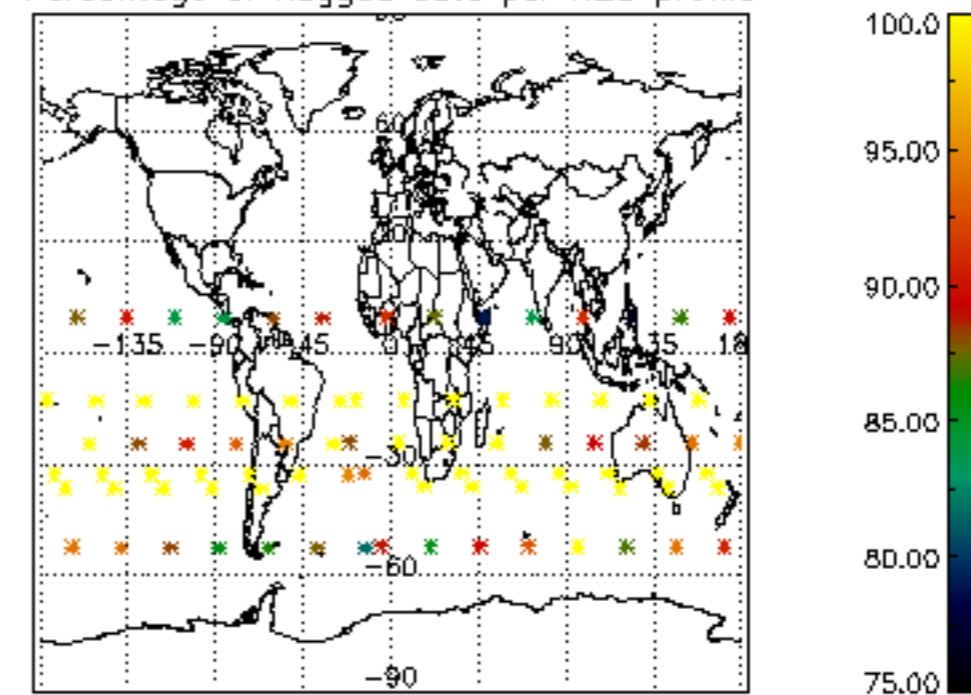
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	27-APR-2007 00:00:59
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	27-APR-2007 00:00:59
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	27-APR-2007 00:00:59



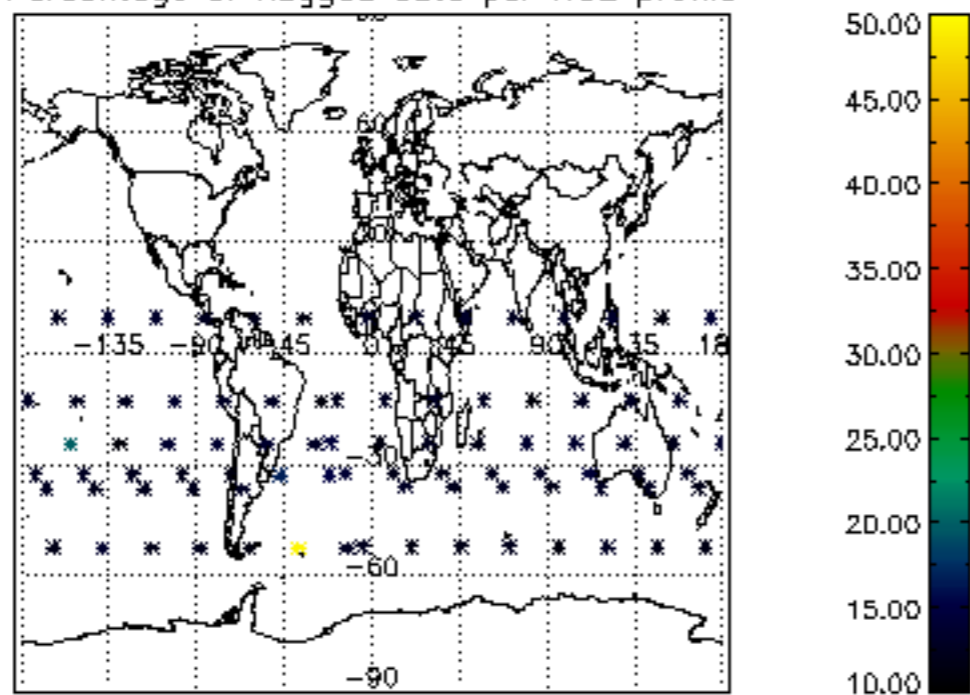
Percentage of flagged data per D3 profile



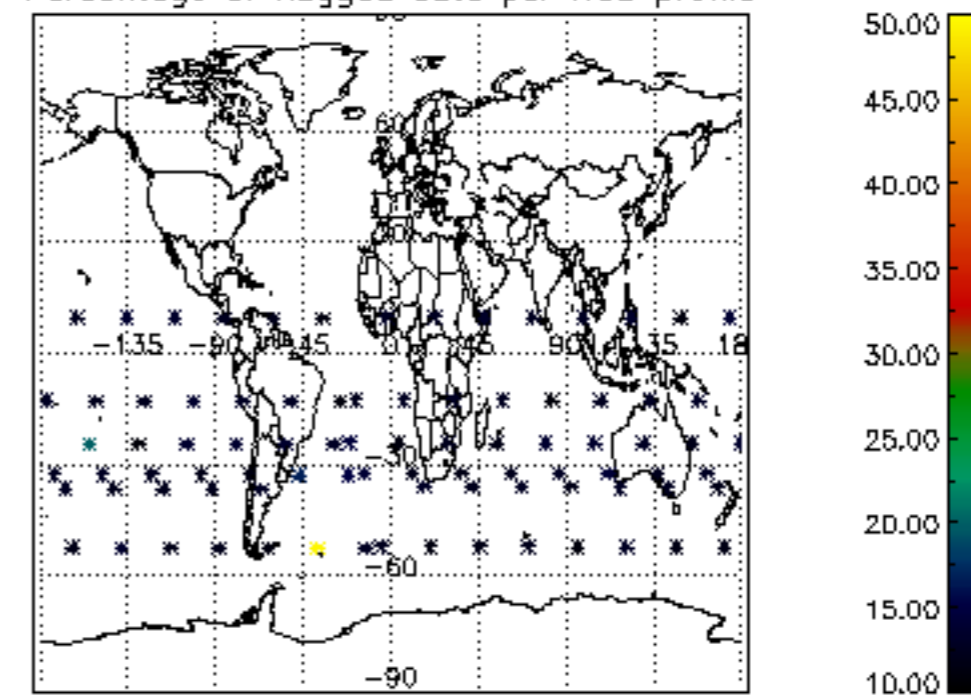
Percentage of flagged data per H2O profile



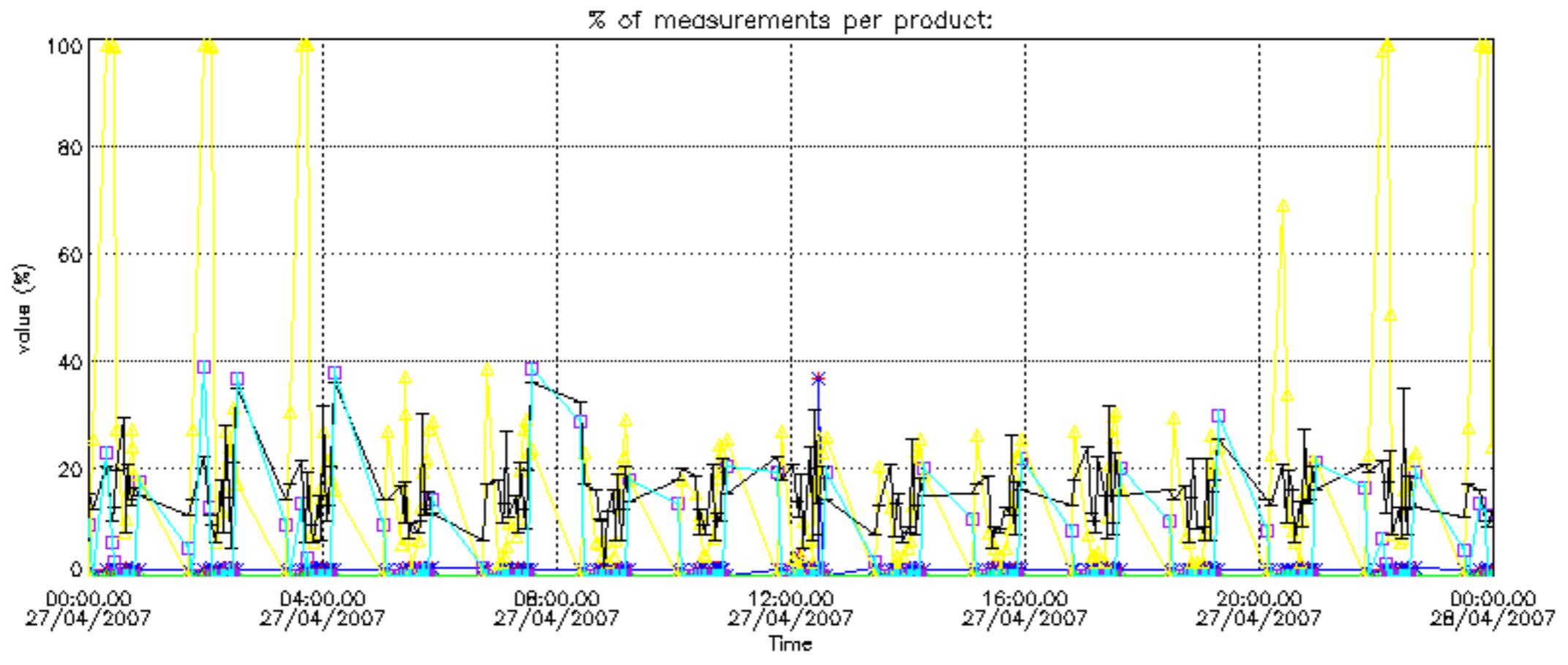
Percentage of flagged data per NO2 profile

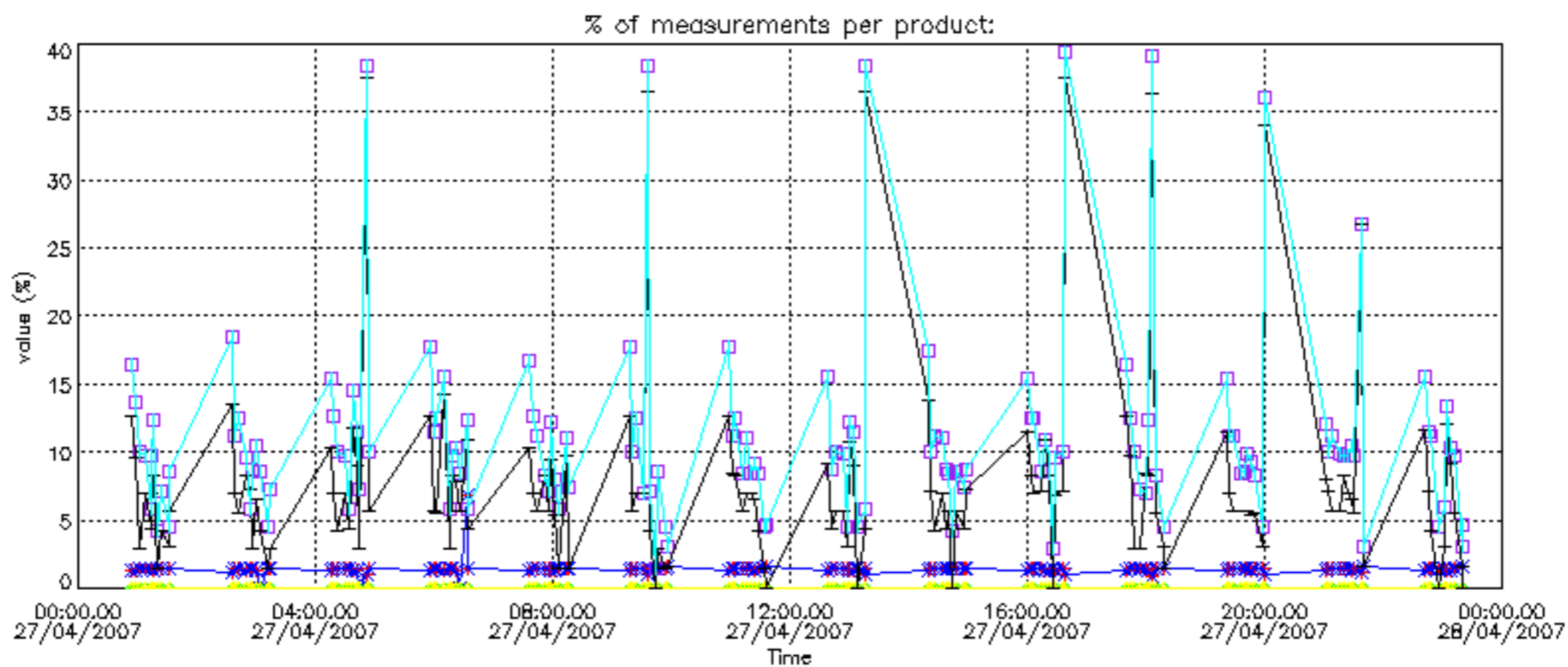


Percentage of flagged data per NO3 profile

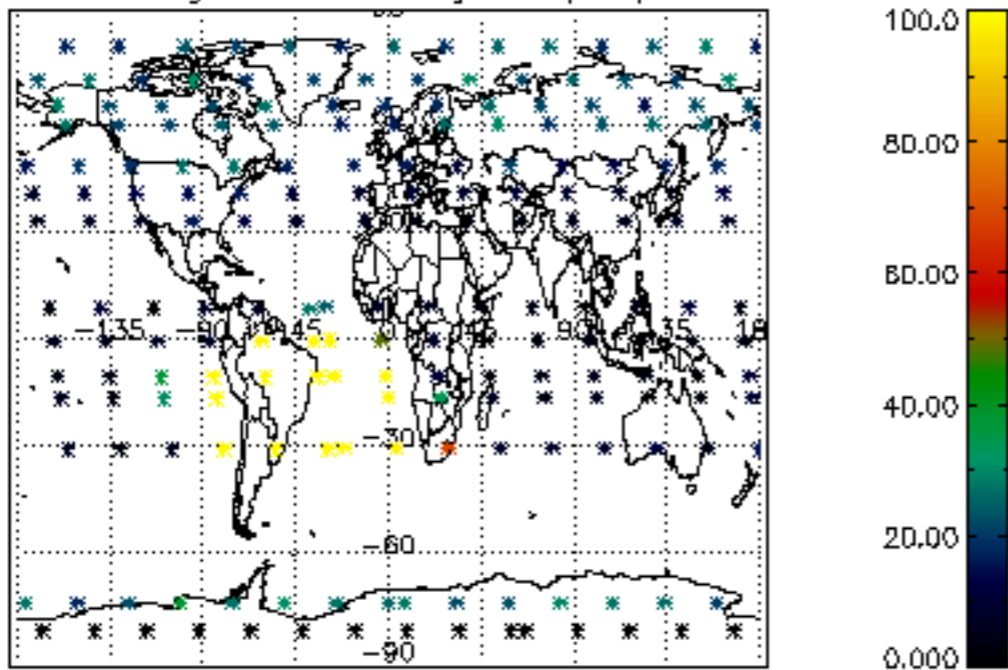




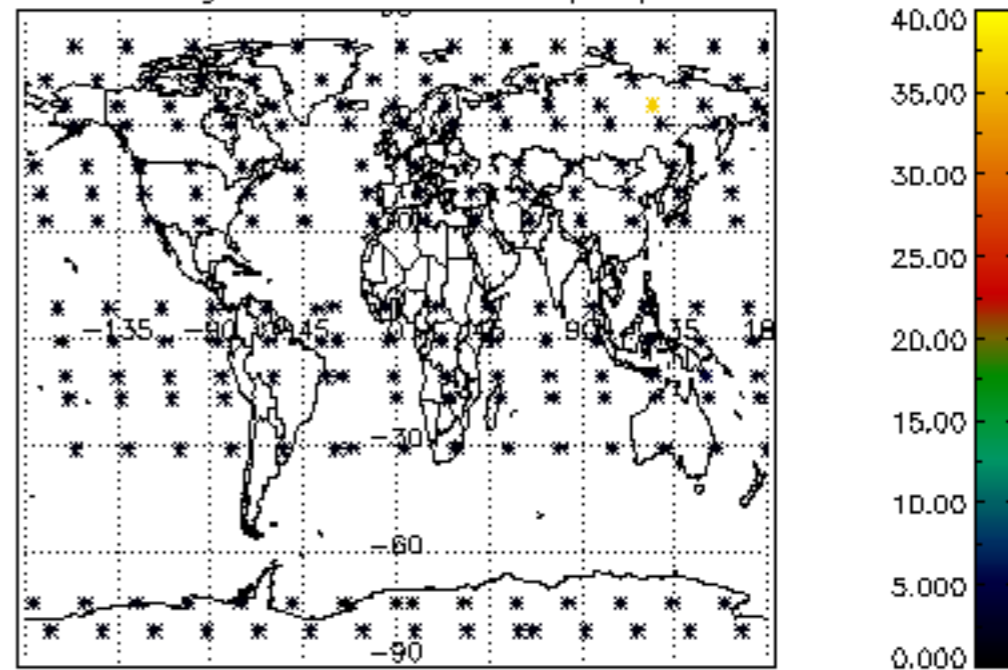




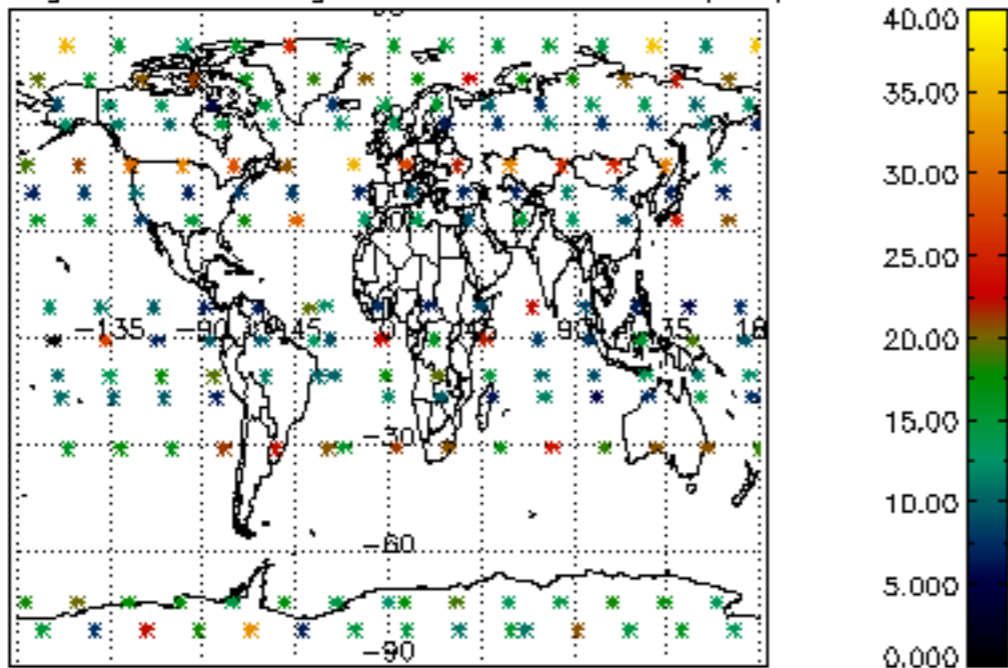
Percentage of cosmic ray hits per profile



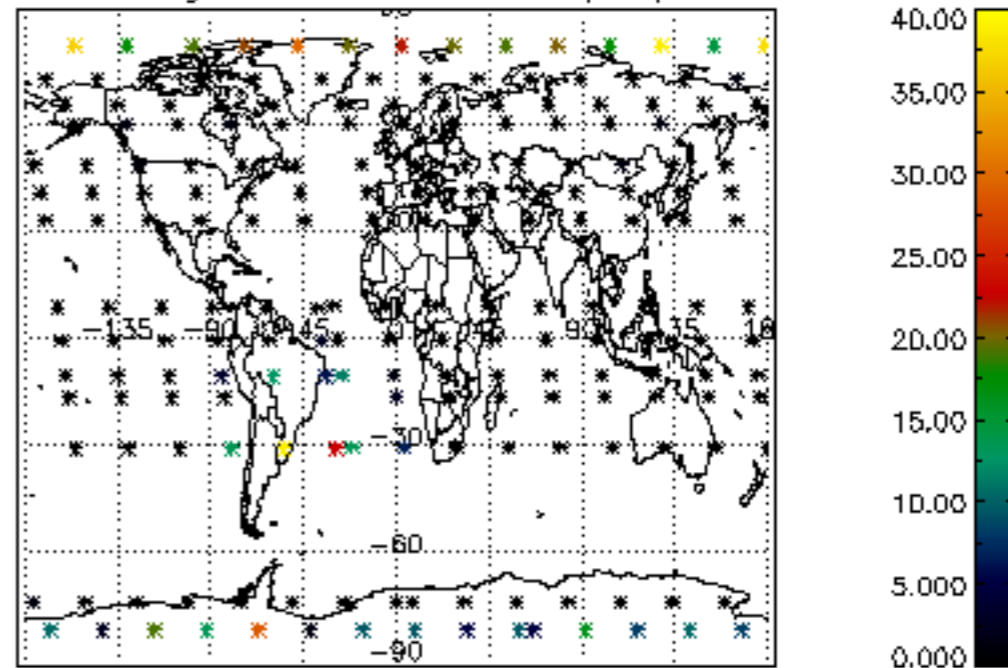
Percentage of datation errors per profile



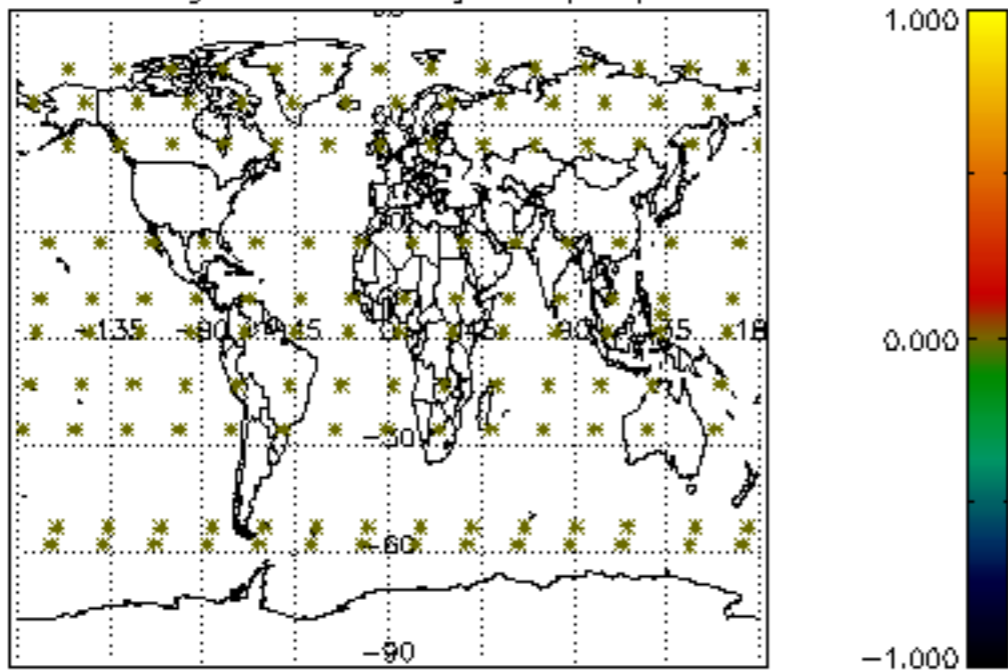
Percentage of star falling outside central band per profile



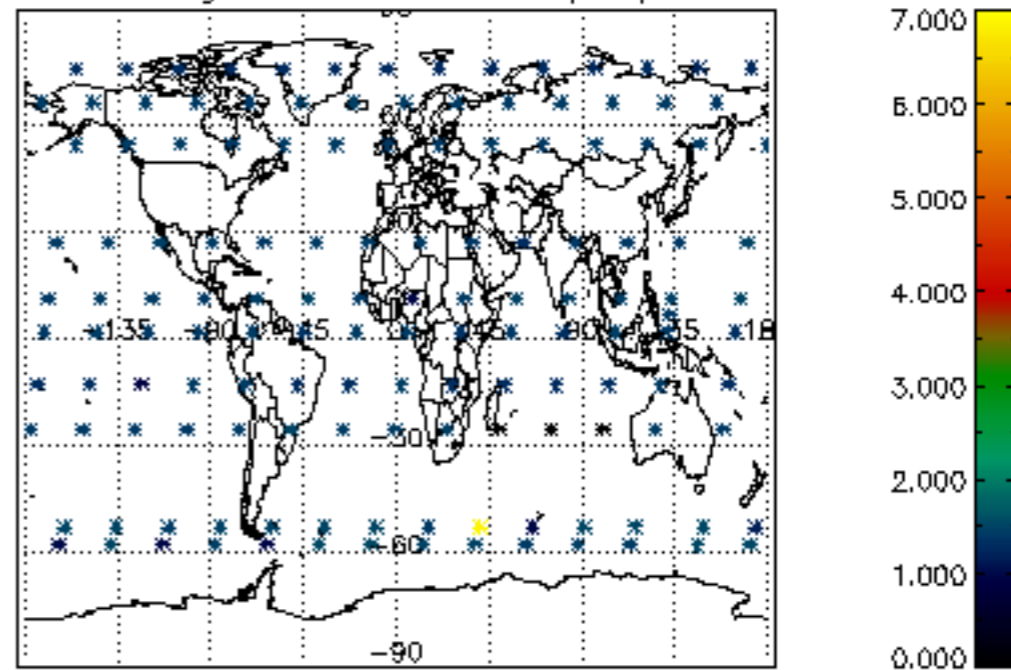
Percentage of saturation errors per profile



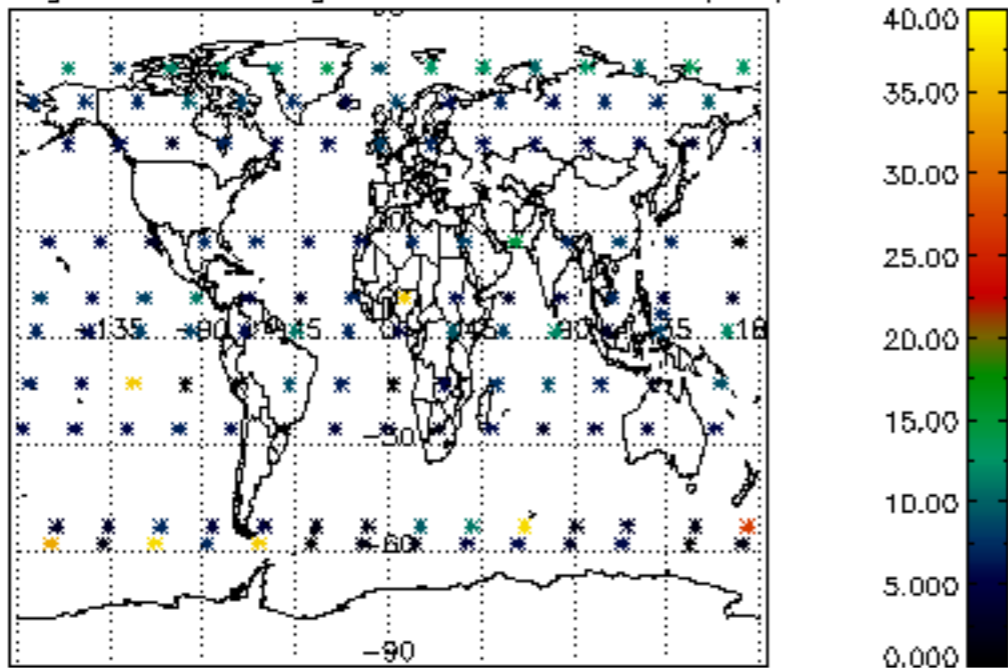
Percentage of cosmic ray hits per profile



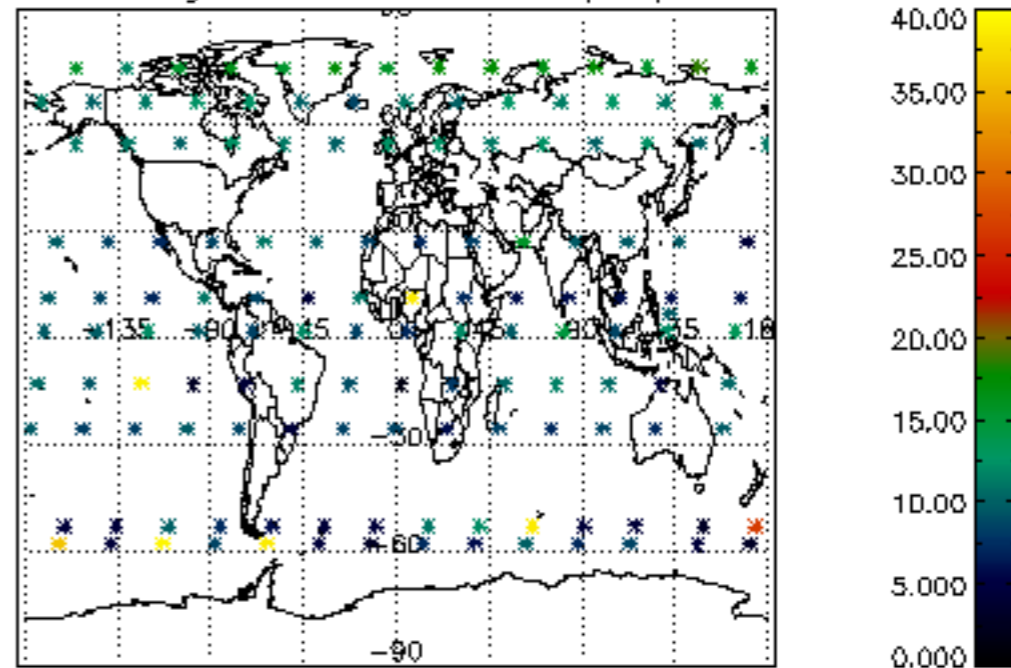
Percentage of datation errors per profile

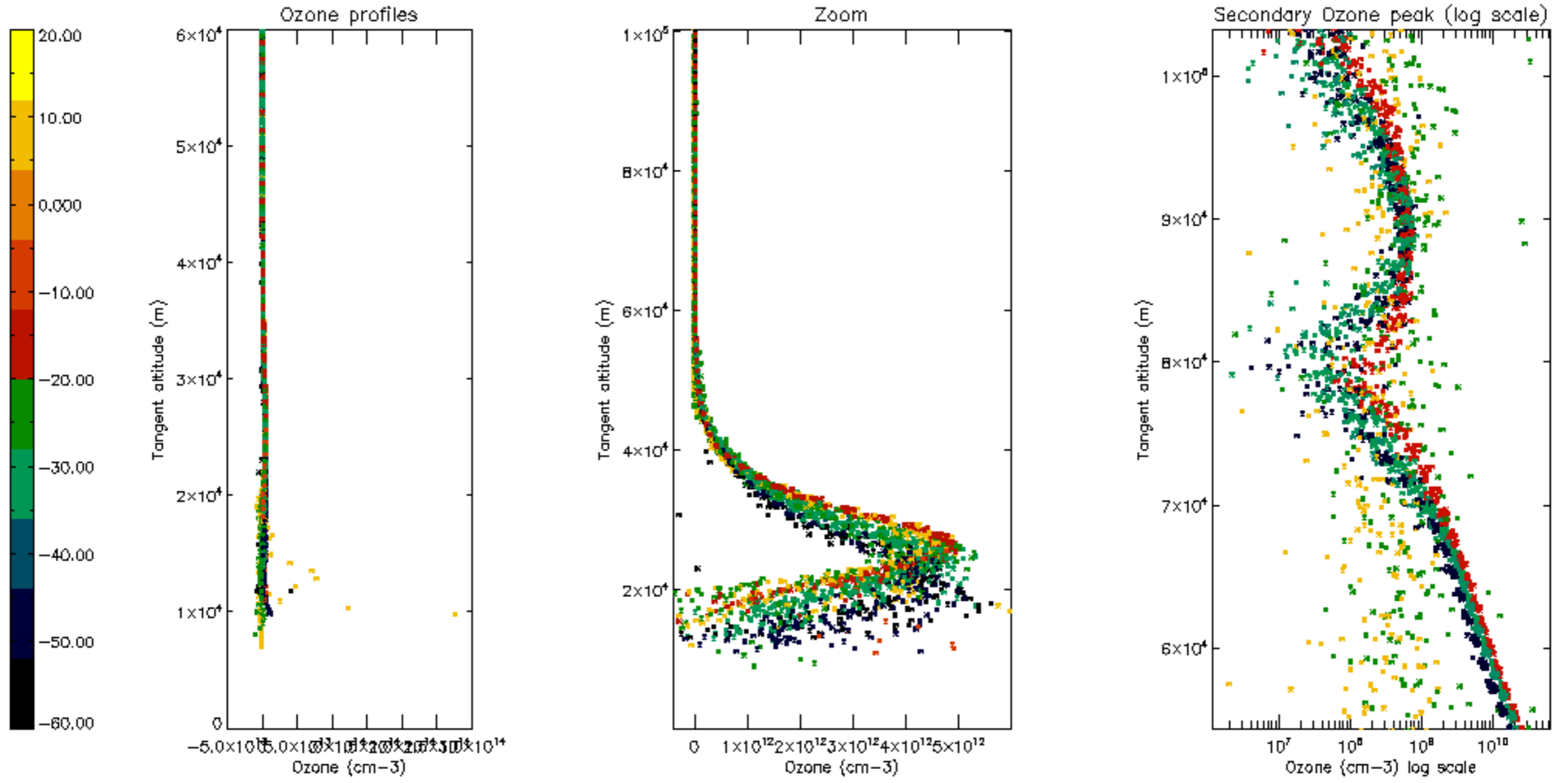


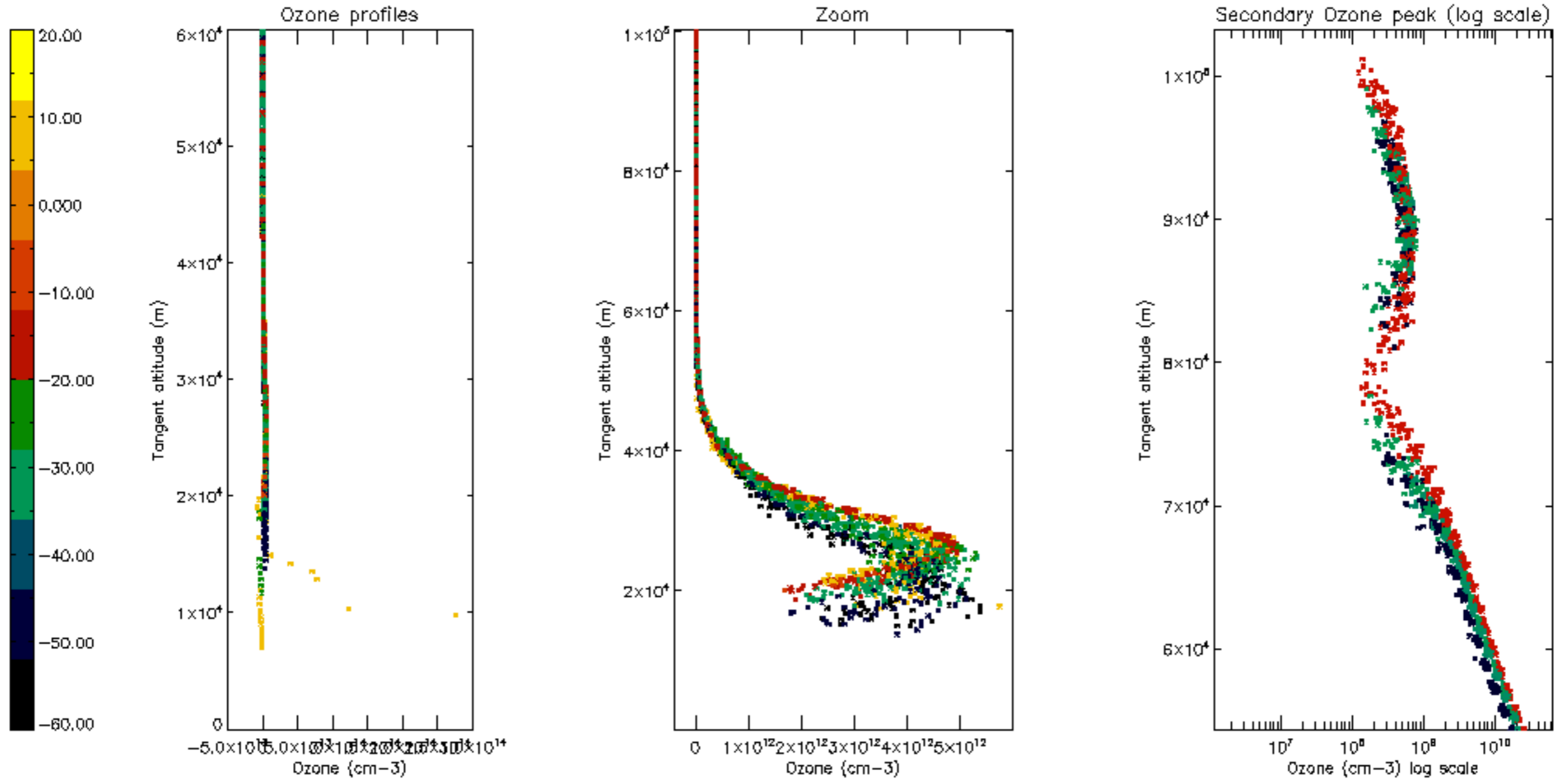
Percentage of star falling outside central band per profile

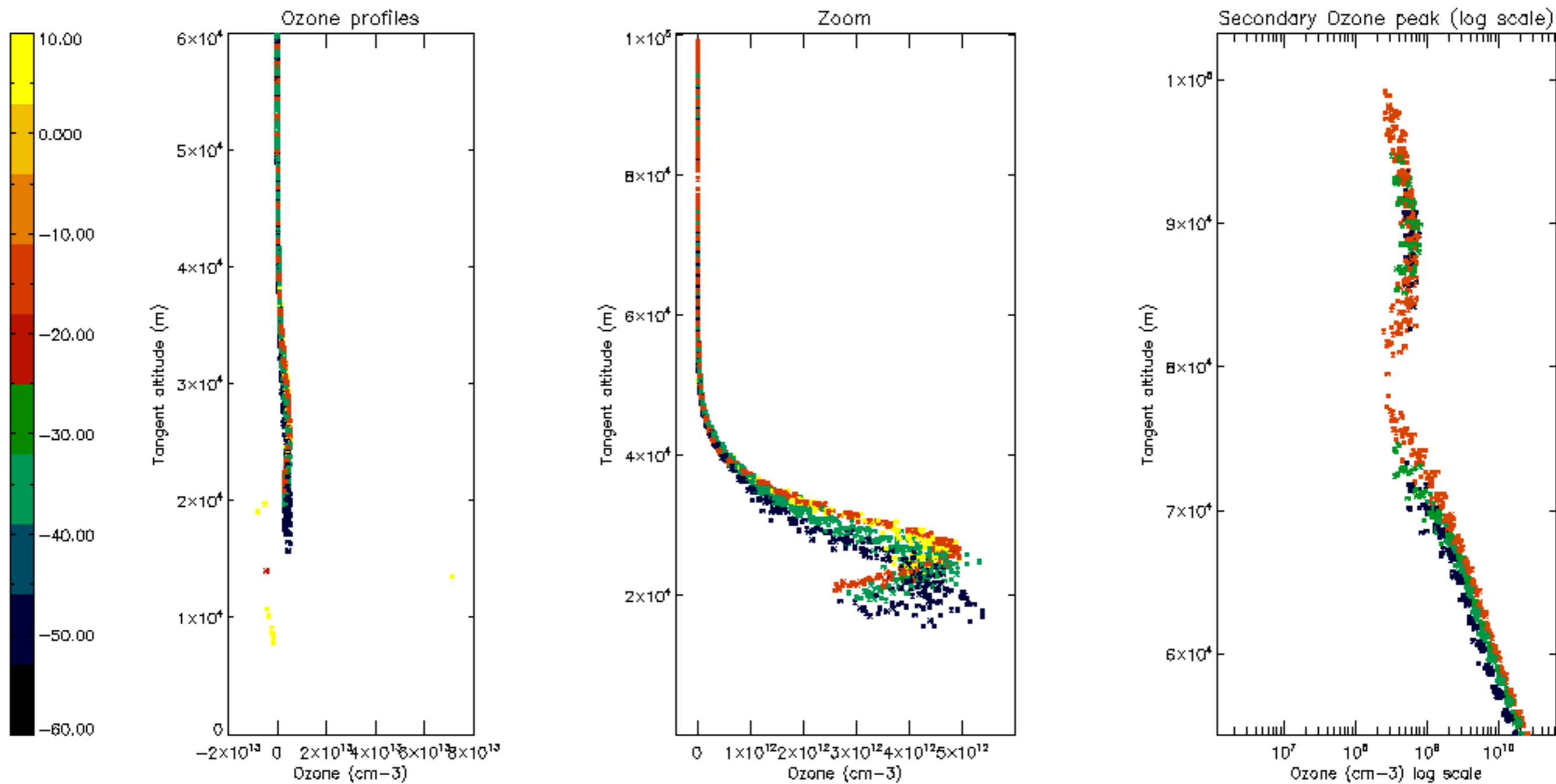


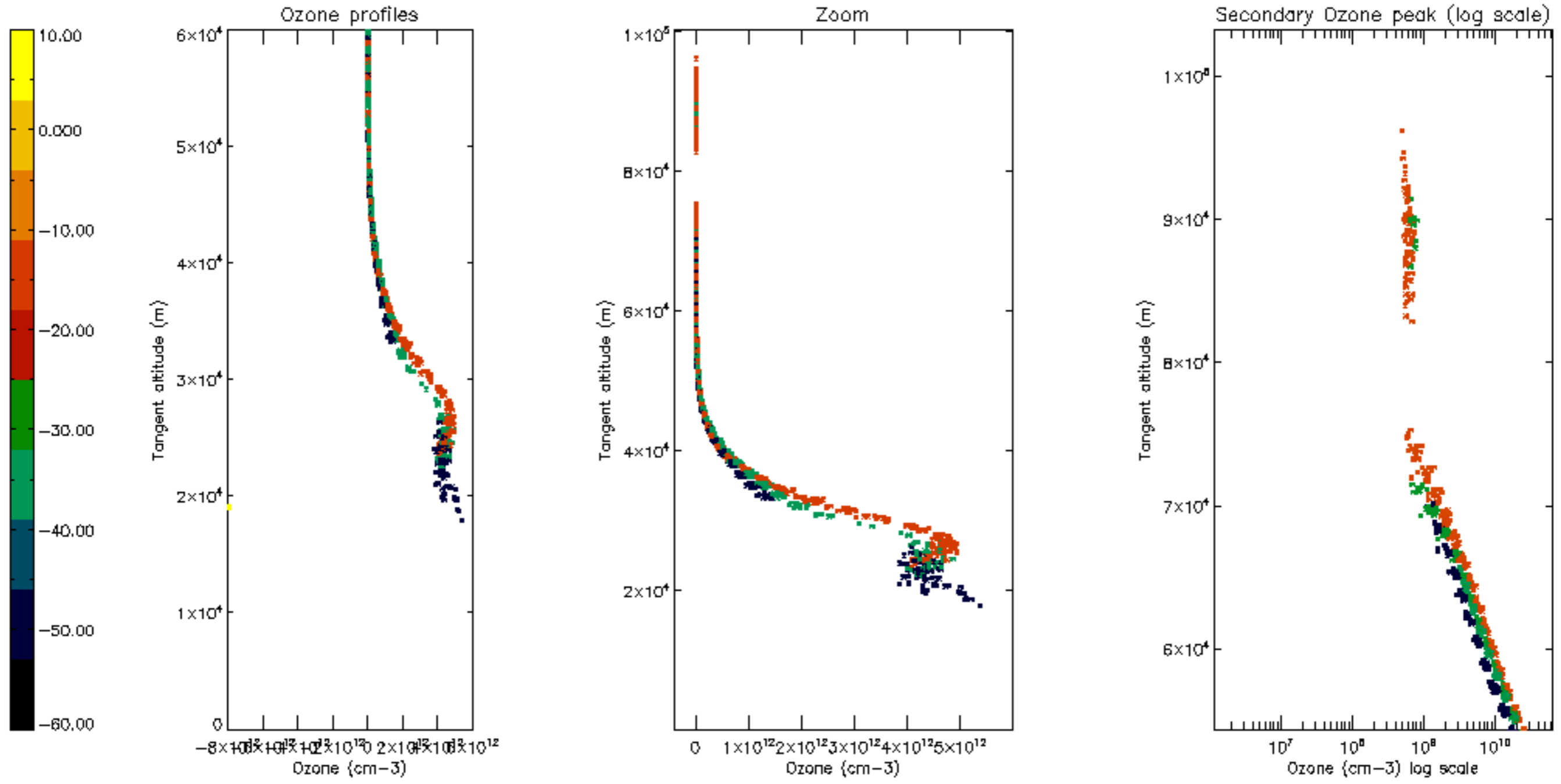
Percentage of saturation errors per profile



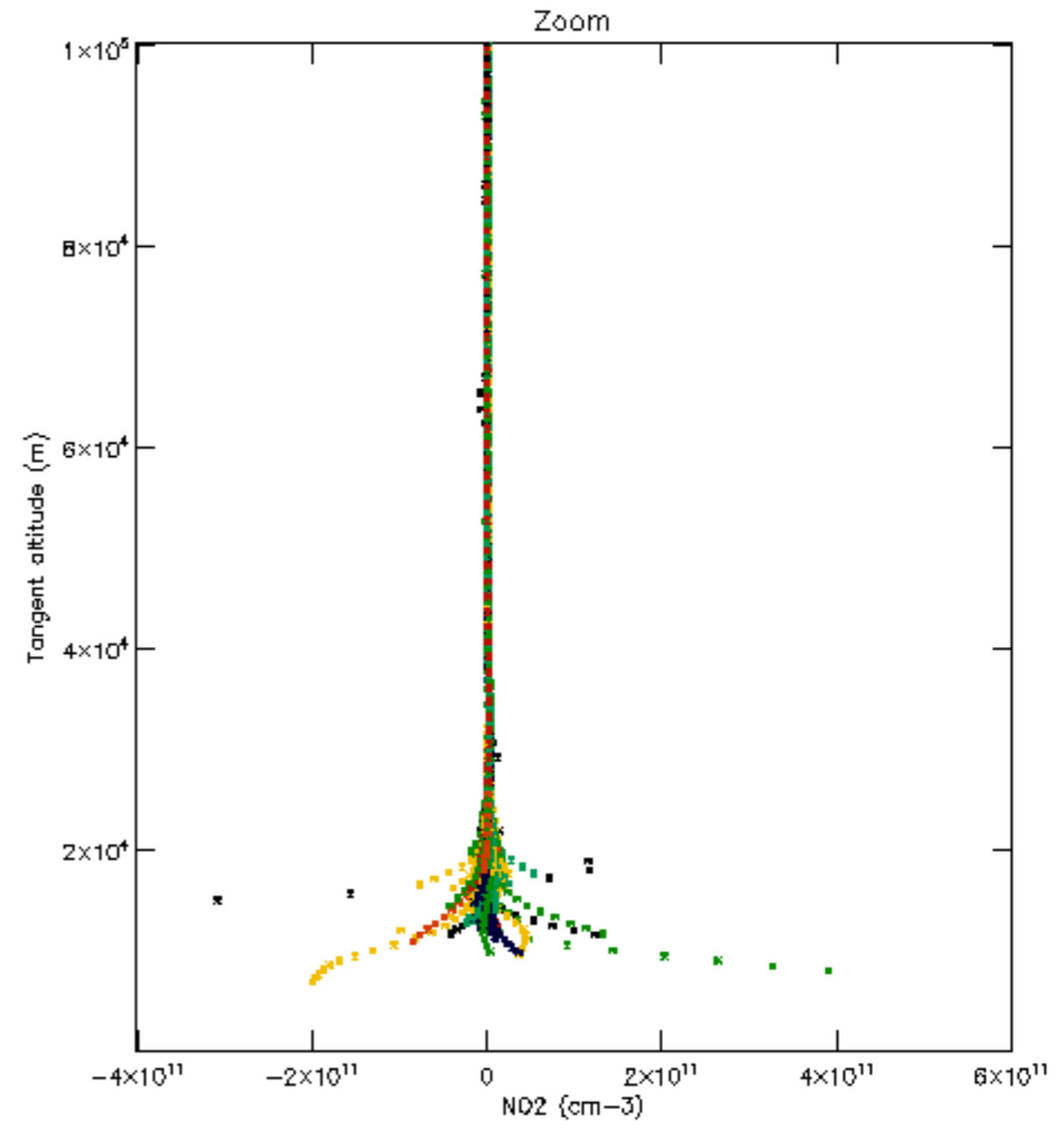
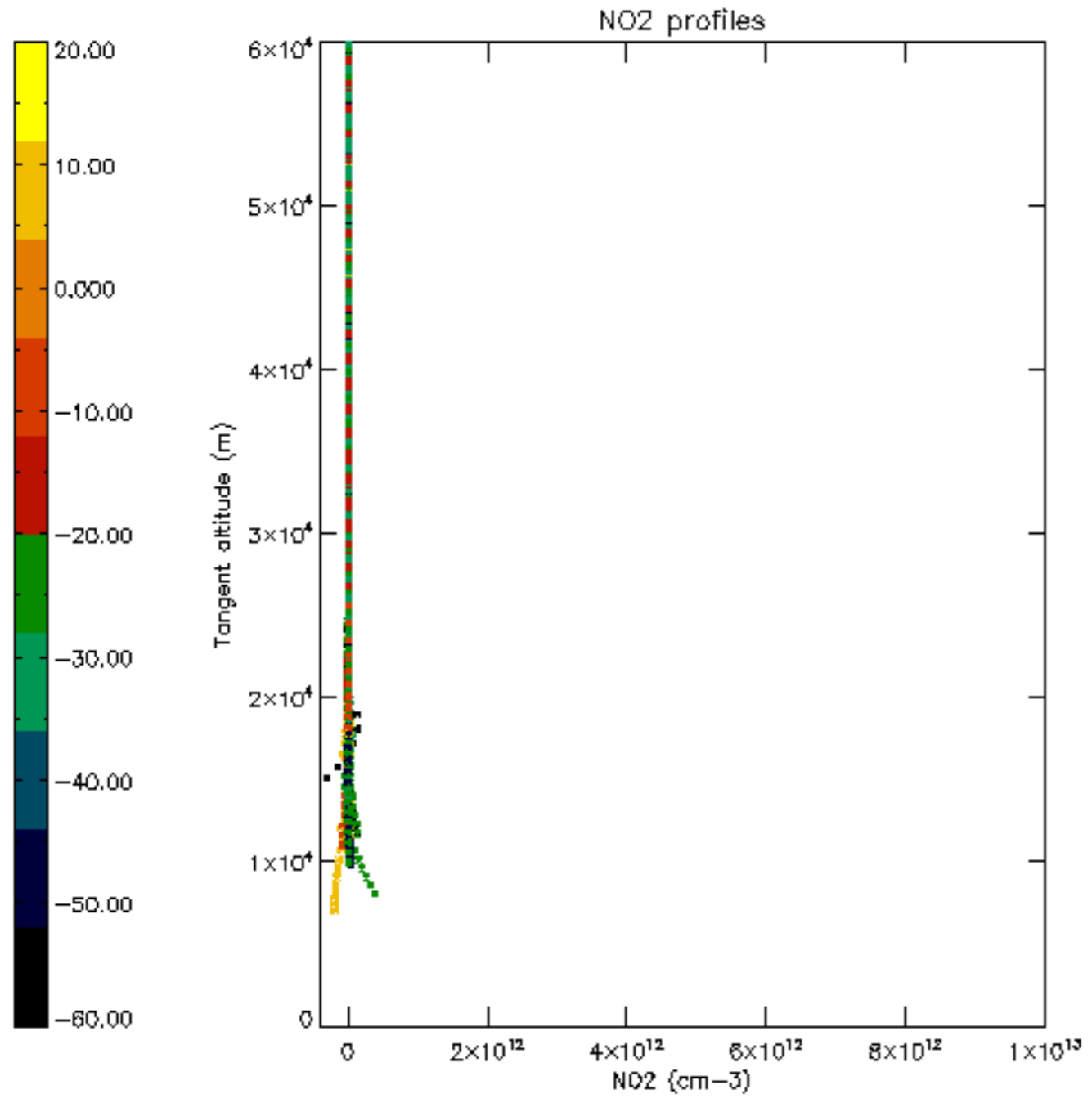


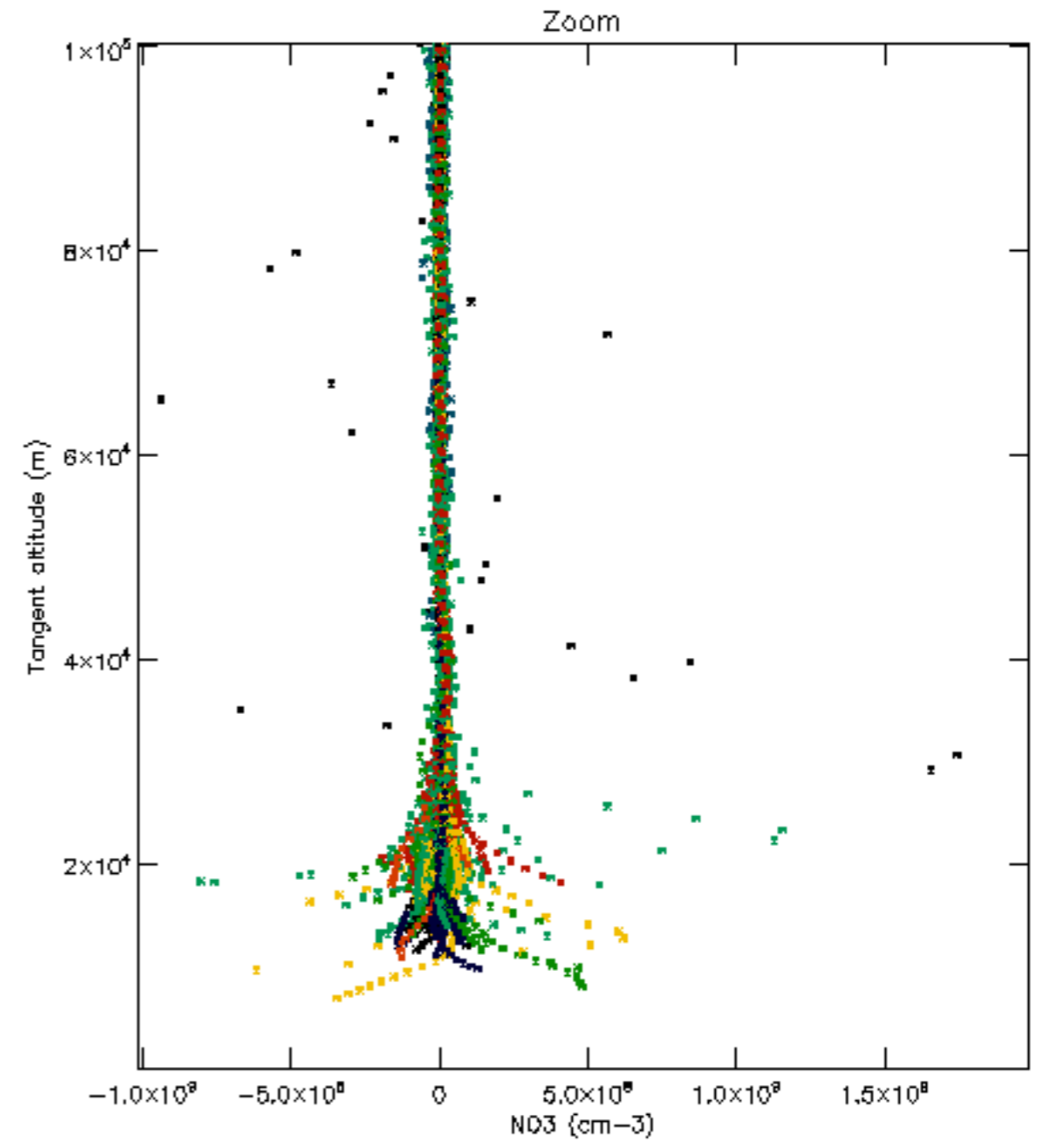
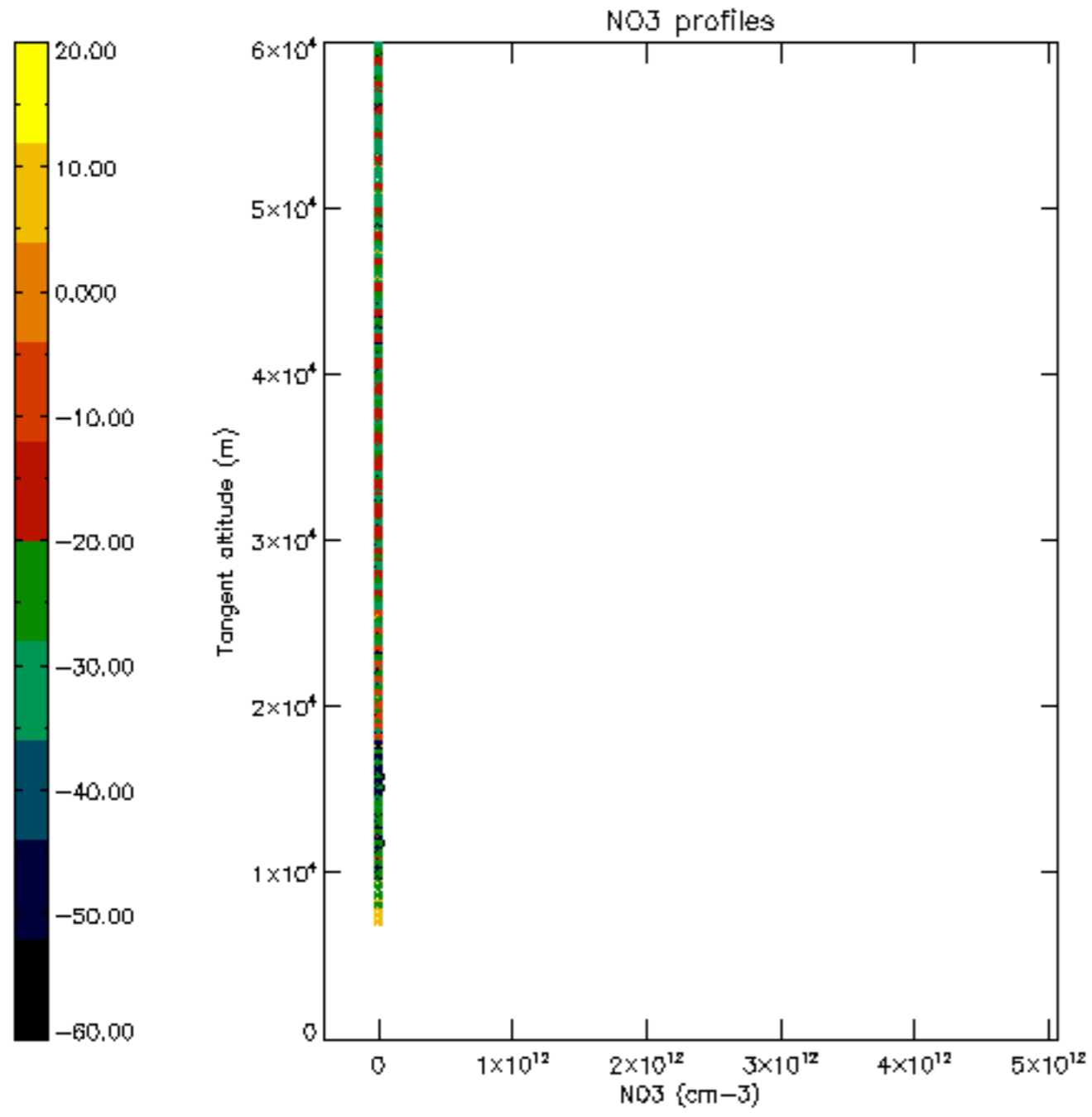


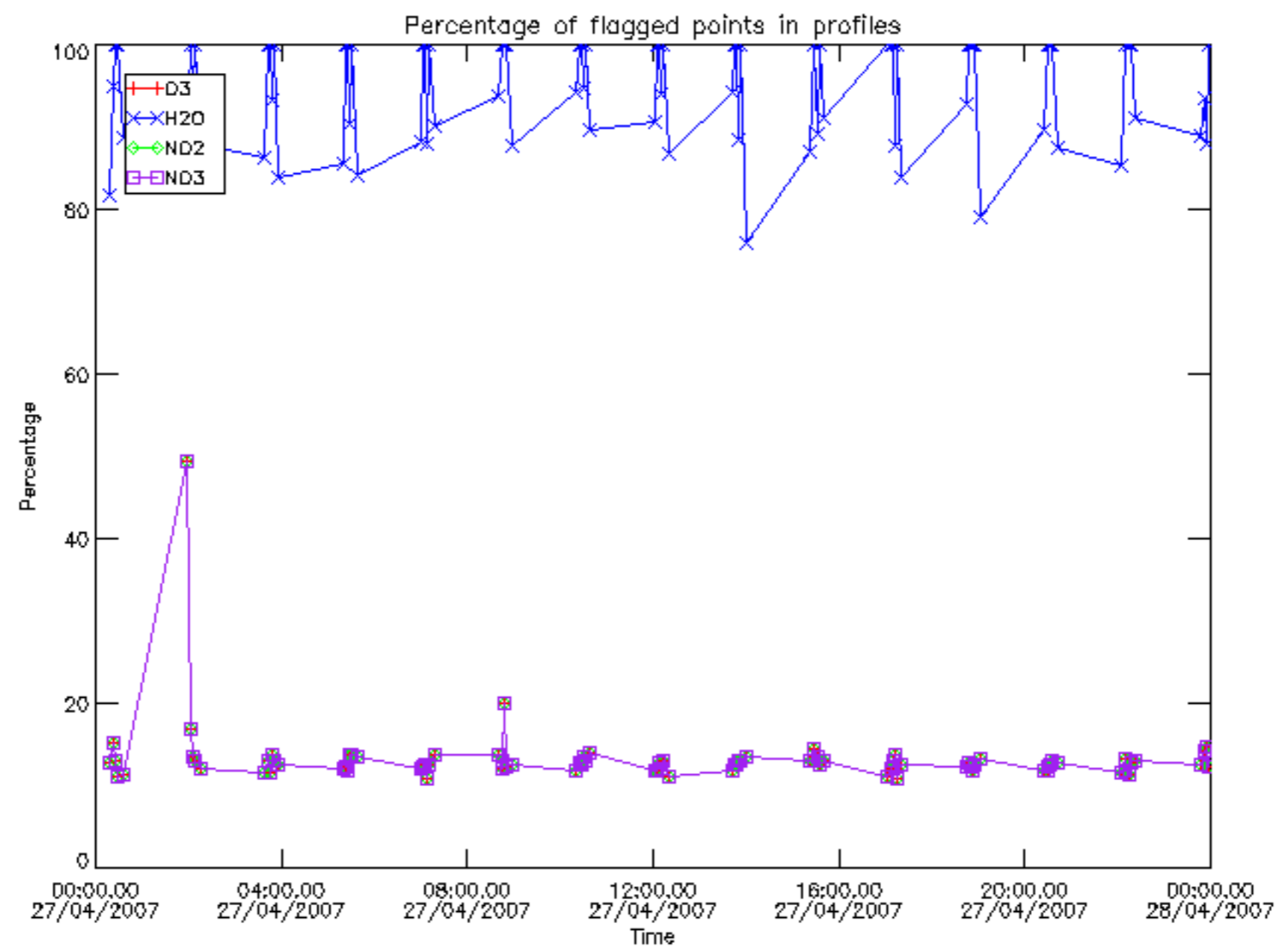




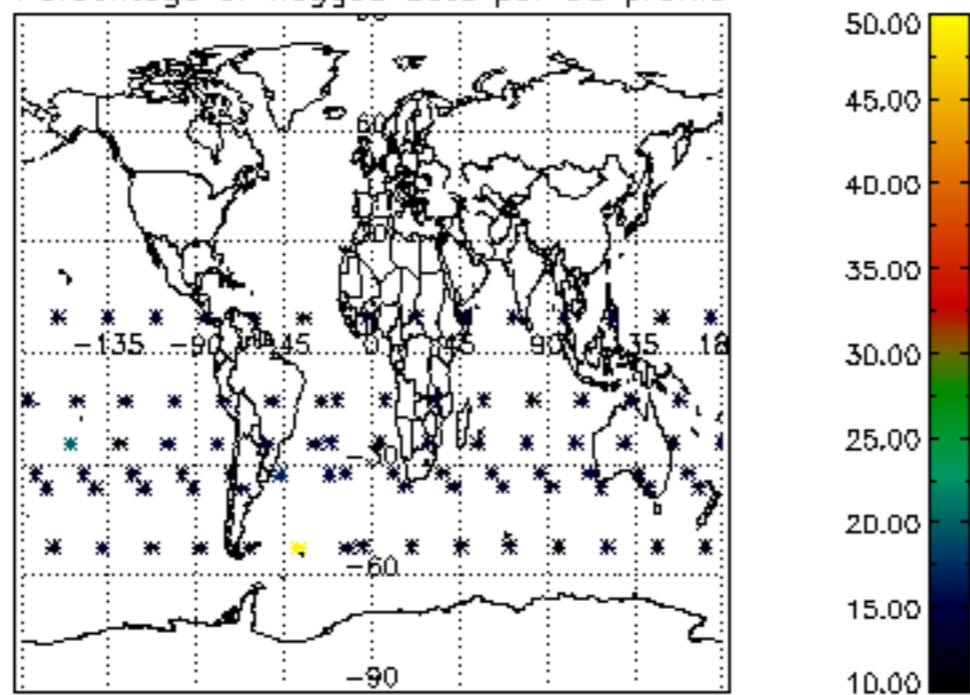




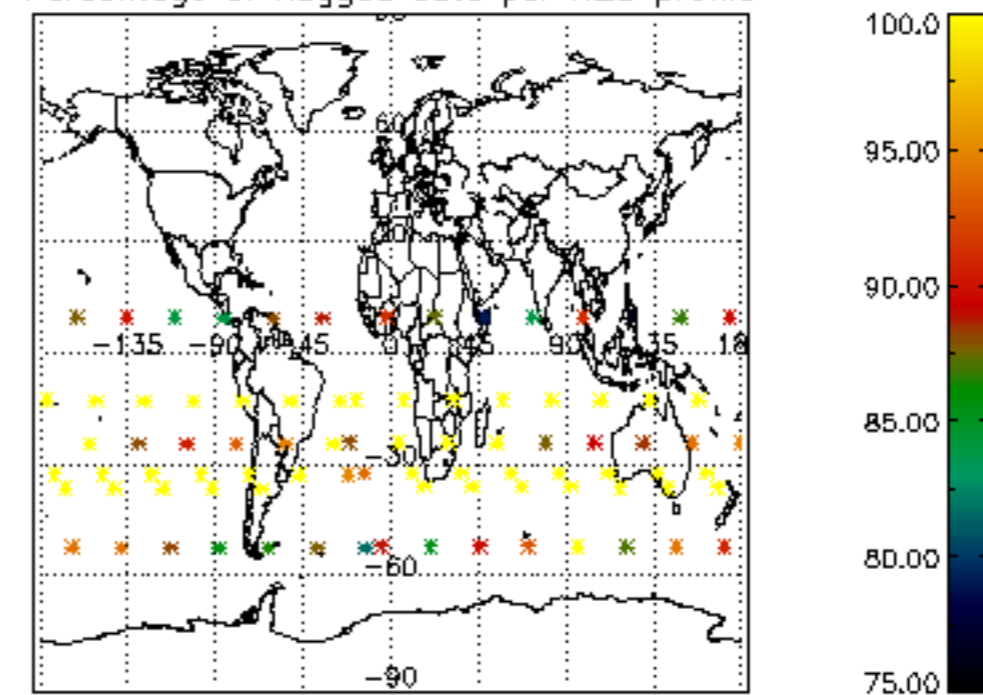




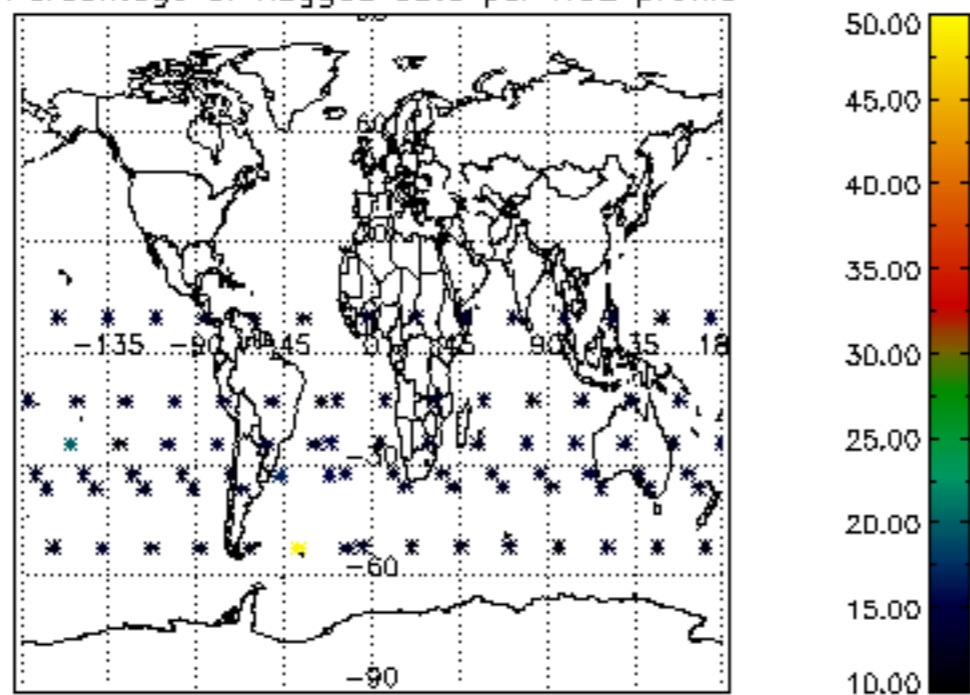
Percentage of flagged data per D3 profile



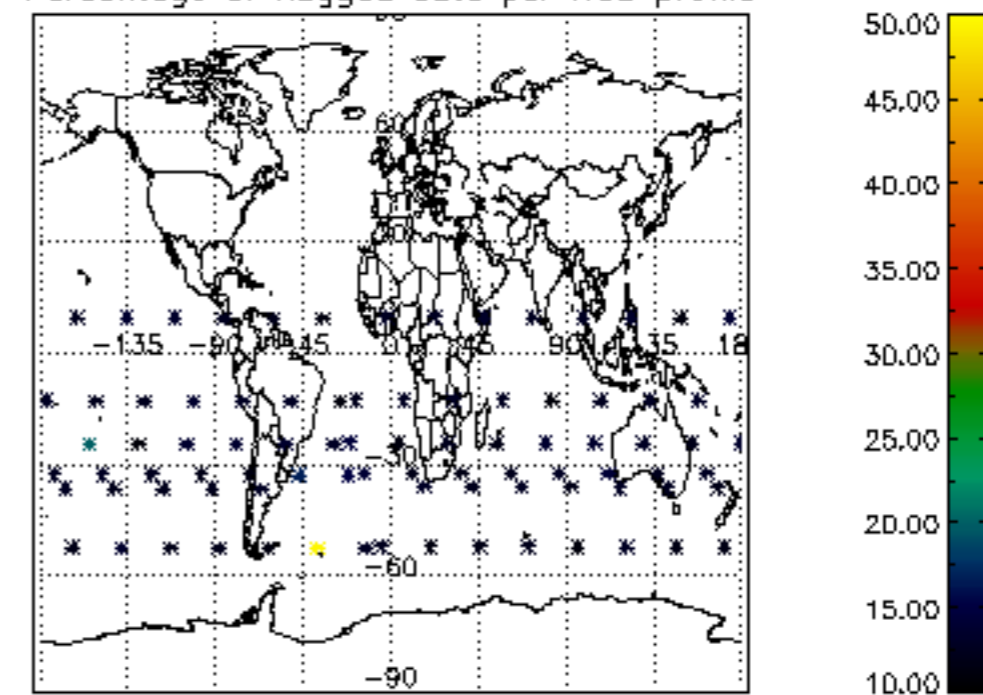
Percentage of flagged data per H2O profile

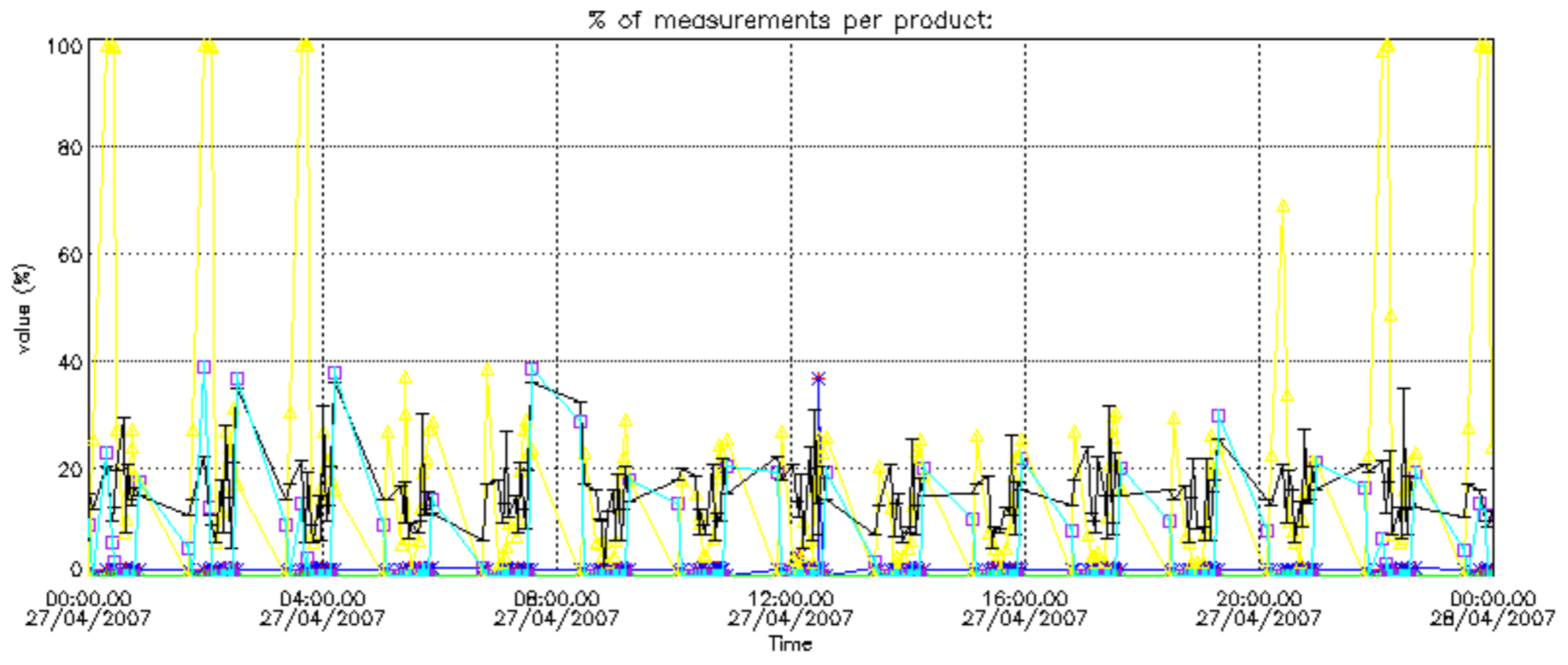


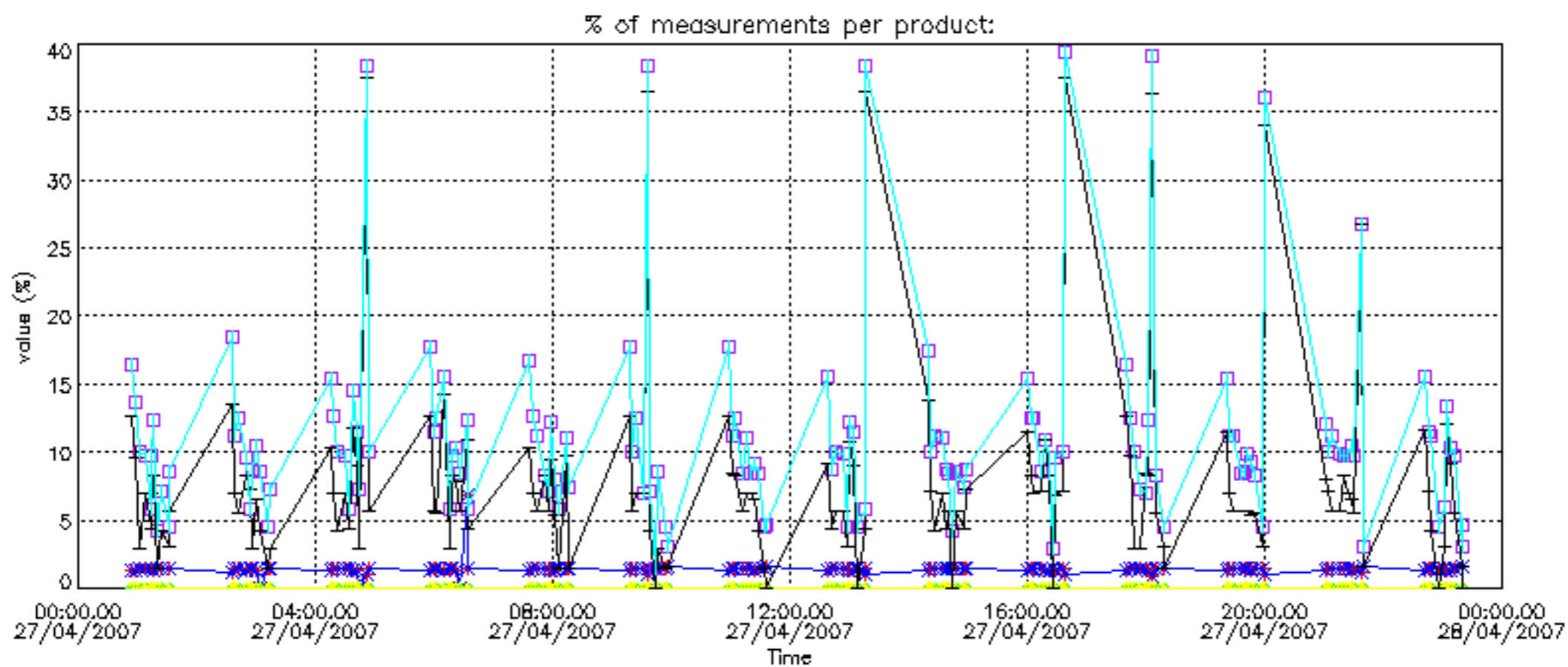
Percentage of flagged data per NO2 profile



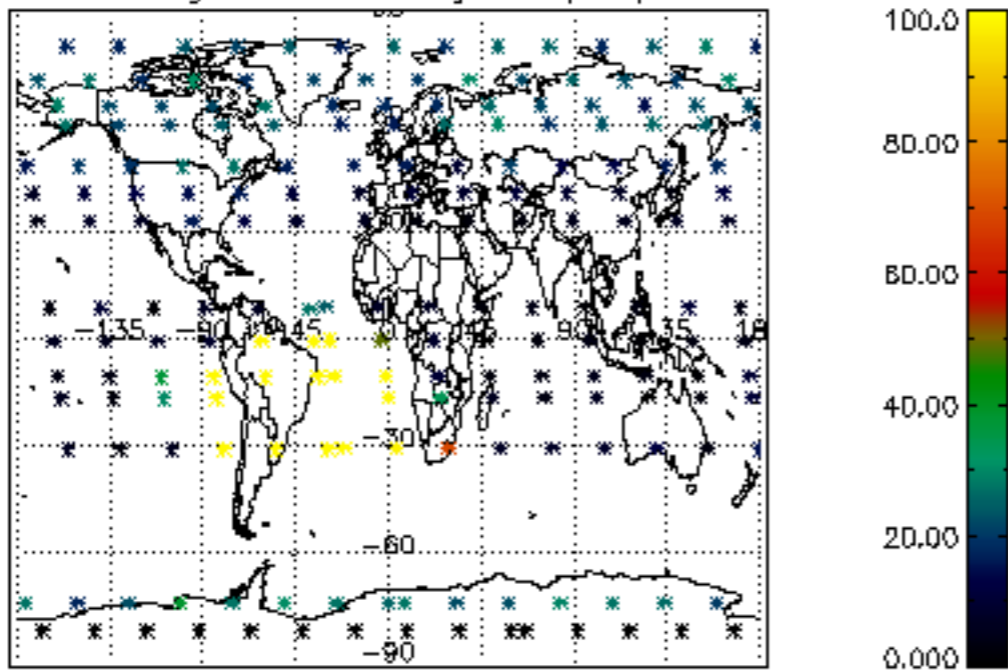
Percentage of flagged data per NO3 profile



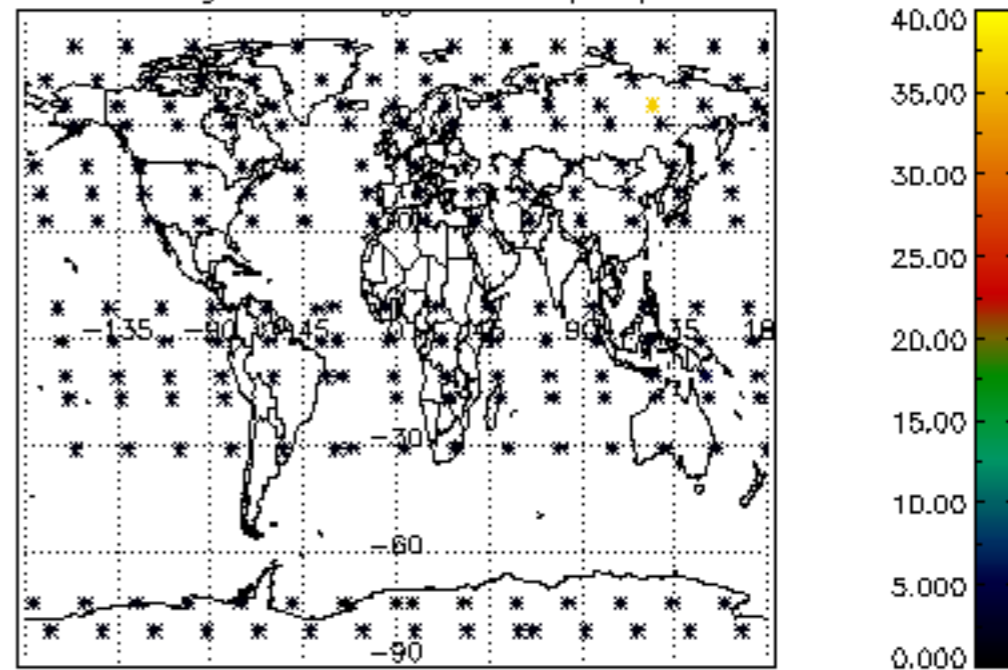




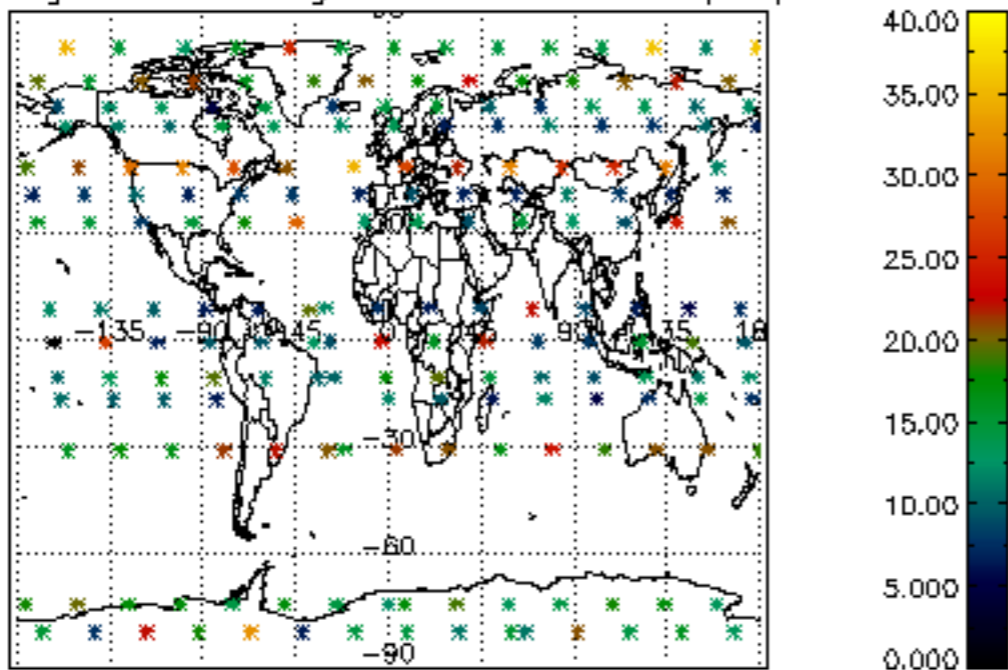
Percentage of cosmic ray hits per profile



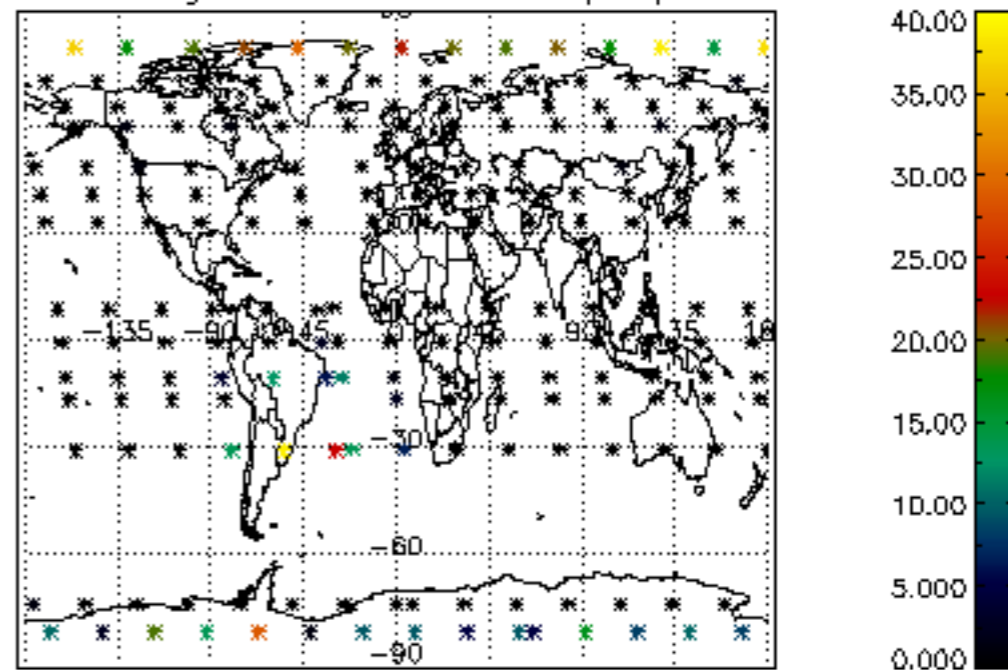
Percentage of datation errors per profile



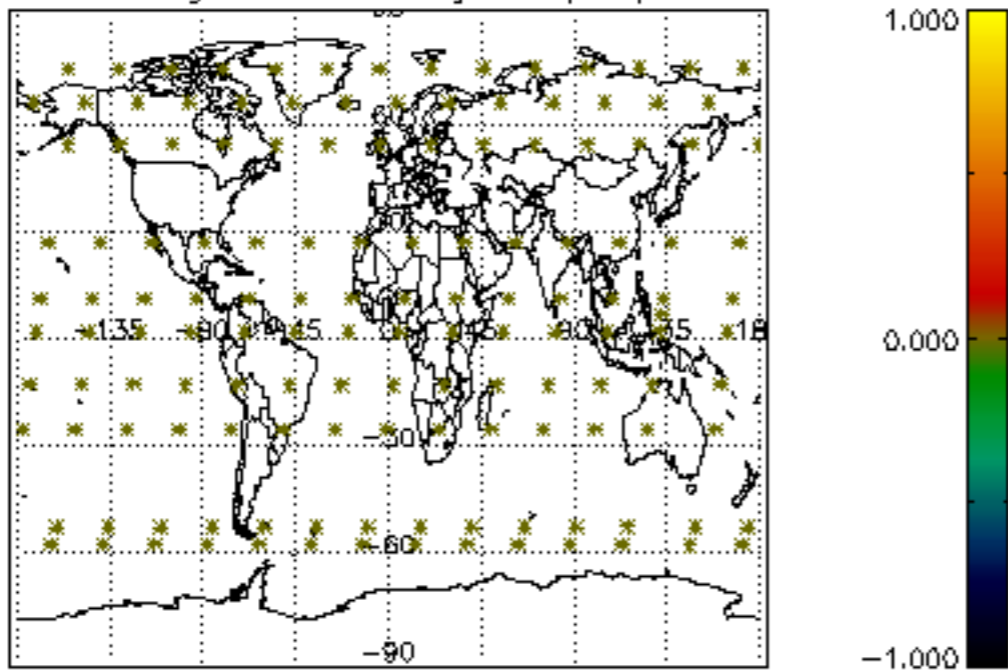
Percentage of star falling outside central band per profile



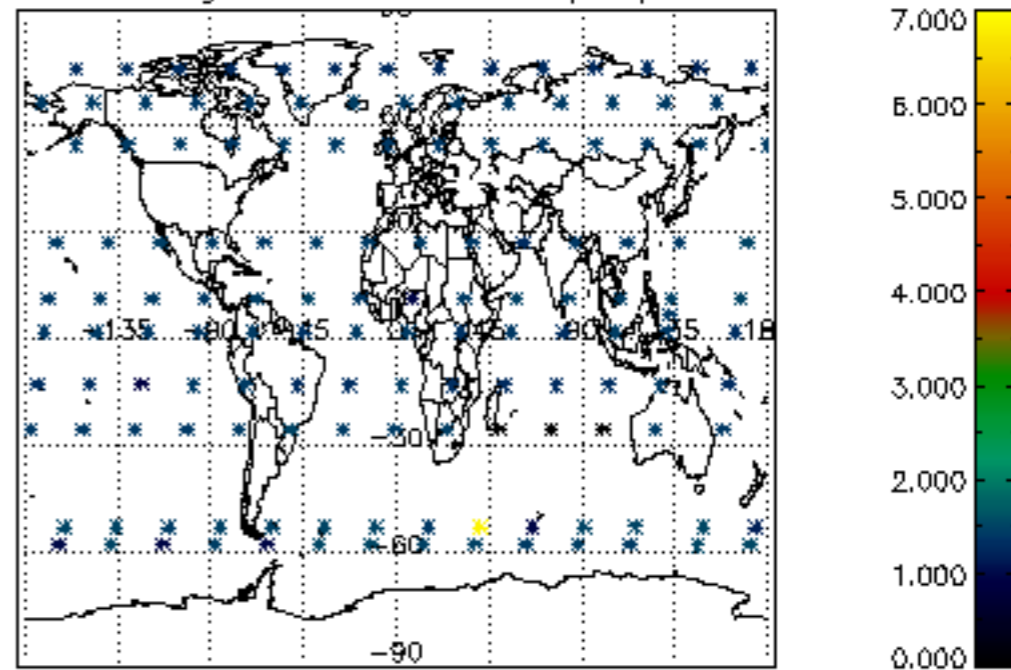
Percentage of saturation errors per profile



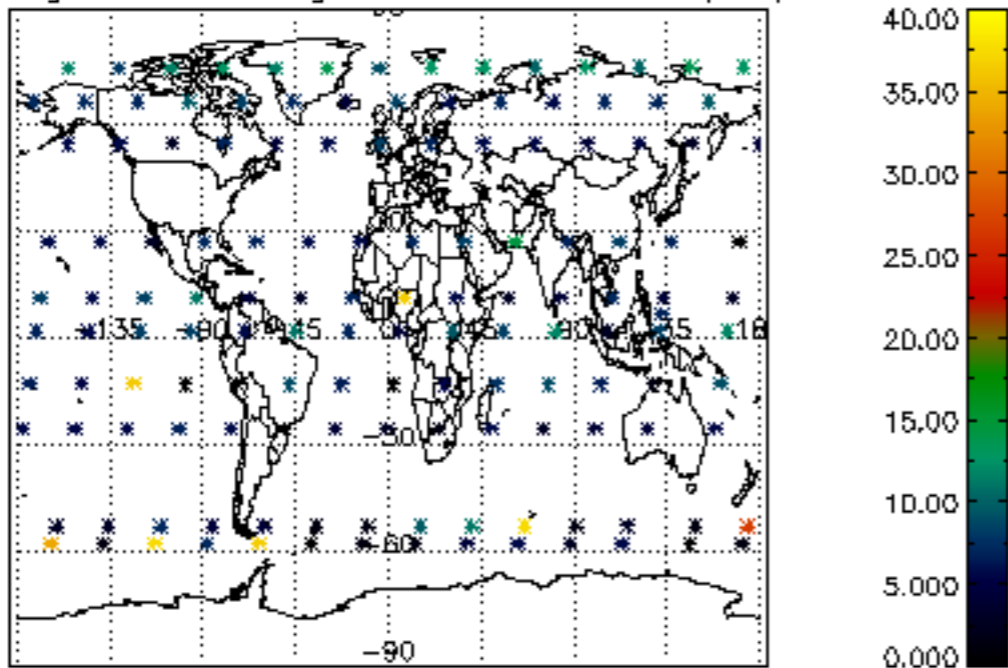
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

