

# 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	24APR2013 06:34:36
Data source version	GOMOS/6.01
Start time of products	12-12-2006 (12DEC2006 00:00:00)
Stop time of products	13-12-2006 (13DEC2006 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	251
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__2PRFIN20061212_000049_000000392053_00403_25006_6921.N1	12-DEC-2006 00:00:49	Dark	39.000	26	Gam Cru	1.6240	2900.0	78	25006	No
2	GOM_NL__2PRFIN20061212_000404_000000392053_00403_25006_6922.N1	12-DEC-2006 00:04:04	Dark	39.000	113	Mu Vel	2.6920	5000.0	78	25006	No
3	GOM_NL__2PRFIN20061212_000652_000000342053_00403_25006_6923.N1	12-DEC-2006 00:06:52	Dark	34.000	159	Ups Car	2.9200	7200.0	68	25006	No
4	GOM_NL__2PRFIN20061212_000807_000000352053_00403_25006_6924.N1	12-DEC-2006 00:08:07	Dark	34.500	71	Iot Car	2.2460	7700.0	69	25006	No
5	GOM_NL__2PRFIN20061212_001241_000000402053_00403_25006_6925.N1	12-DEC-2006 00:12:41	Dark	39.500	34	Gam2Vel	1.7930	23000.	79	25006	No
6	GOM_NL__2PRFIN20061212_001508_000000382053_00403_25006_6926.N1	12-DEC-2006 00:15:08	Dark	37.500	2	Alp Car	-0.73600	7000.0	75	25006	No
7	GOM_NL__2PRFIN20061212_002116_000000362053_00403_25006_6927.N1	12-DEC-2006 00:21:16	Straylight	35.500	108	Alp Col	2.6520	15200.	71	25006	No
8	GOM_NL__2PRFIN20061212_002626_000000412053_00403_25006_6928.N1	12-DEC-2006 00:26:26	Straylight	40.500	101	11Alp Lep	2.5820	7000.0	81	25006	No
9	GOM_NL__2PRFIN20061212_002937_000000482053_00403_25006_6929.N1	12-DEC-2006 00:29:37	Straylight	48.000	7	19Bet Ori	0.10000	14000.	96	25006	No
10	GOM_NL__2PRFIN20061212_003704_000000492053_00403_25006_6930.N1	12-DEC-2006 00:37:04	Twi_and_stray	49.000	13	87Alp Tau	0.86700	3800.0	98	25006	No
11	GOM_NL__2PRFIN20061212_004338_000000292053_00403_25006_6931.N1	12-DEC-2006 00:43:38	Bright	29.000	149	45Eps Per	2.8880	30000.	58	25006	No
12	GOM_NL__2PRFIN20061212_004548_000000292053_00403_25006_6932.N1	12-DEC-2006 00:45:48	Bright	28.500	175	39Del Per	3.0100	19400.	57	25006	No
13	GOM_NL__2PRFIN20061212_005729_000000312053_00403_25006_6933.N1	12-DEC-2006 00:57:29	Bright	30.500	49	1Alp UMi	1.9900	6300.0	61	25006	No
14	GOM_NL__2PRFIN20061212_010213_000000312053_00403_25006_6934.N1	12-DEC-2006 01:02:13	Bright	31.000	60	7Bet UMi	2.0810	3950.0	62	25006	No
15	GOM_NL__2PRFIN20061212_010703_000000352053_00403_25006_6935.N1	12-DEC-2006 01:07:03	Bright	35.000	32	77Eps UMa	1.7630	11000.	70	25006	No
16	GOM_NL__2PRFIN20061212_010928_000000312053_00403_25006_6936.N1	12-DEC-2006 01:09:28	Bright	31.000	39	85Eta UMa	1.8540	24000.	62	25006	No
17	GOM_NL__2PRFIN20061212_011239_000000302053_00403_25006_6937.N1	12-DEC-2006 01:12:39	Bright	29.500	180	27Gam Boo	3.0400	8000.0	59	25006	No
18	GOM_NL__2PRFIN20061212_011548_000000472053_00403_25006_6938.N1	12-DEC-2006 01:15:48	Bright	47.000	83		2.3780	11000.	94	25006	No
19	GOM_NL__2PRFIN20061212_011900_000000342053_00403_25006_6939.N1	12-DEC-2006 01:19:00	Bright	33.500	111	8Eta Boo	2.6800	6000.0	67	25006	No
20	GOM_NL__2PRFIN20061212_012834_000000402053_00403_25006_6940.N1	12-DEC-2006 01:28:34	Twi_and_stray	40.000	15	67Alp Vir	0.97600	28000.	80	25006	No
21	GOM_NL__2PRFIN20061212_013203_000000362053_00403_25006_6941.N1	12-DEC-2006 01:32:03	Twilight	35.500	169	46Gam Hya	2.9910	4700.0	71	25006	No
22	GOM_NL__2PRFIN20061212_013414_000000442053_00403_25006_6942.N1	12-DEC-2006 01:34:14	Dark	43.500	106	9Bet Crv	2.6480	5600.0	87	25006	No
23	GOM_NL__2PRFIN20061212_013928_000000352053_00403_25006_6943.N1	12-DEC-2006 01:39:28	Dark	35.000	64	Gam Cen	2.2000	10600.	70	25006	No
24	GOM_NL__2PRFIN20061212_014125_000000362053_00404_25007_6925.N1	12-DEC-2006 01:41:25	Dark	36.000	26	Gam Cru	1.6240	2900.0	72	25007	No
25	GOM_NL__2PRFIN20061212_014441_000000392053_00404_25007_6926.N1	12-DEC-2006 01:44:41	Dark	38.500	113	Mu Vel	2.6920	5000.0	77	25007	No
26	GOM_NL__2PRFIN20061212_014729_000000342053_00404_25007_6927.N1	12-DEC-2006 01:47:29	Dark	34.000	159	Ups Car	2.9200	7200.0	68	25007	No
27	GOM_NL__2PRFIN20061212_014843_000000352053_00404_25007_6928.N1	12-DEC-2006 01:48:43	Dark	34.500	71	Iot Car	2.2460	7700.0	69	25007	No
28	GOM_NL__2PRFIN20061212_015318_000000402053_00404_25007_6929.N1	12-DEC-2006 01:53:18	Dark	39.500	34	Gam2Vel	1.7930	23000.	79	25007	No
29	GOM_NL__2PRFIN20061212_015544_000000502053_00404_25007_6930.N1	12-DEC-2006 01:55:44	Dark	49.500	2	Alp Car	-0.73600	7000.0	99	25007	No
30	GOM_NL__2PRFIN20061212_020152_000000372053_00404_25007_6931.N1	12-DEC-2006 02:01:52	Straylight	37.000	108	Alp Col	2.6520	15200.	74	25007	No
31	GOM_NL__2PRFIN20061212_020701_000000432053_00404_25007_6932.N1	12-DEC-2006 02:07:01	Straylight	42.500	101	11Alp Lep	2.5820	7000.0	85	25007	No
32	GOM_NL__2PRFIN20061212_021013_000000482053_00404_25007_6933.N1	12-DEC-2006 02:10:13	Straylight	47.500	7	19Bet Ori	0.10000	14000.	95	25007	No
33	GOM_NL__2PRFIN20061212_021740_000000502053_00404_25007_6934.N1	12-DEC-2006 02:17:40	Twi_and_stray	50.000	13	87Alp Tau	0.86700	3800.0	100	25007	No
34	GOM_NL__2PRFIN20061212_022414_000000292053_00404_25007_6935.N1	12-DEC-2006 02:24:14	Bright	29.000	149	45Eps Per	2.8880	30000.	58	25007	No
35	GOM_NL__2PRFIN20061212_023805_000000292053_00404_25007_6936.N1	12-DEC-2006 02:38:05	Bright	29.000	49	1Alp UMi	1.9900	6300.0	58	25007	No
36	GOM_NL__2PRFIN20061212_024249_000000322053_00404_25007_6937.N1	12-DEC-2006 02:42:49	Bright	31.500	60	7Bet UMi	2.0810	3950.0	63	25007	No
37	GOM_NL__2PRFIN20061212_024738_000000532053_00404_25007_6938.N1	12-DEC-2006 02:47:38	Bright	53.000	32	77Eps UMa	1.7630	11000.	106	25007	No
38	GOM_NL__2PRFIN20061212_025004_000000312053_00404_25007_6939.N1	12-DEC-2006 02:50:04	Bright	30.500	39	85Eta UMa	1.8540	24000.	61	25007	No
39	GOM_NL__2PRFIN20061212_025315_000000382053_00404_25007_6940.N1	12-DEC-2006 02:53:15	Bright	37.500	180	27Gam Boo	3.0400	8000.0	75	25007	No
40	GOM_NL__2PRFIN20061212_025624_000000292053_00404_25007_6941.N1	12-DEC-2006 02:56:24	Bright	29.000	83		2.3780	11000.	58	25007	No
41	GOM_NL__2PRFIN20061212_025936_000000332053_00404_25007_6942.N1	12-DEC-2006 02:59:36	Bright	32.500	111	8Eta Boo	2.6800	6000.0	65	25007	No
42	GOM_NL__2PRFIN20061212_030911_000000362053_00404_25007_6943.N1	12-DEC-2006 03:09:11	Twi_and_stray	36.000	15	67Alp Vir	0.97600	28000.	72	25007	No





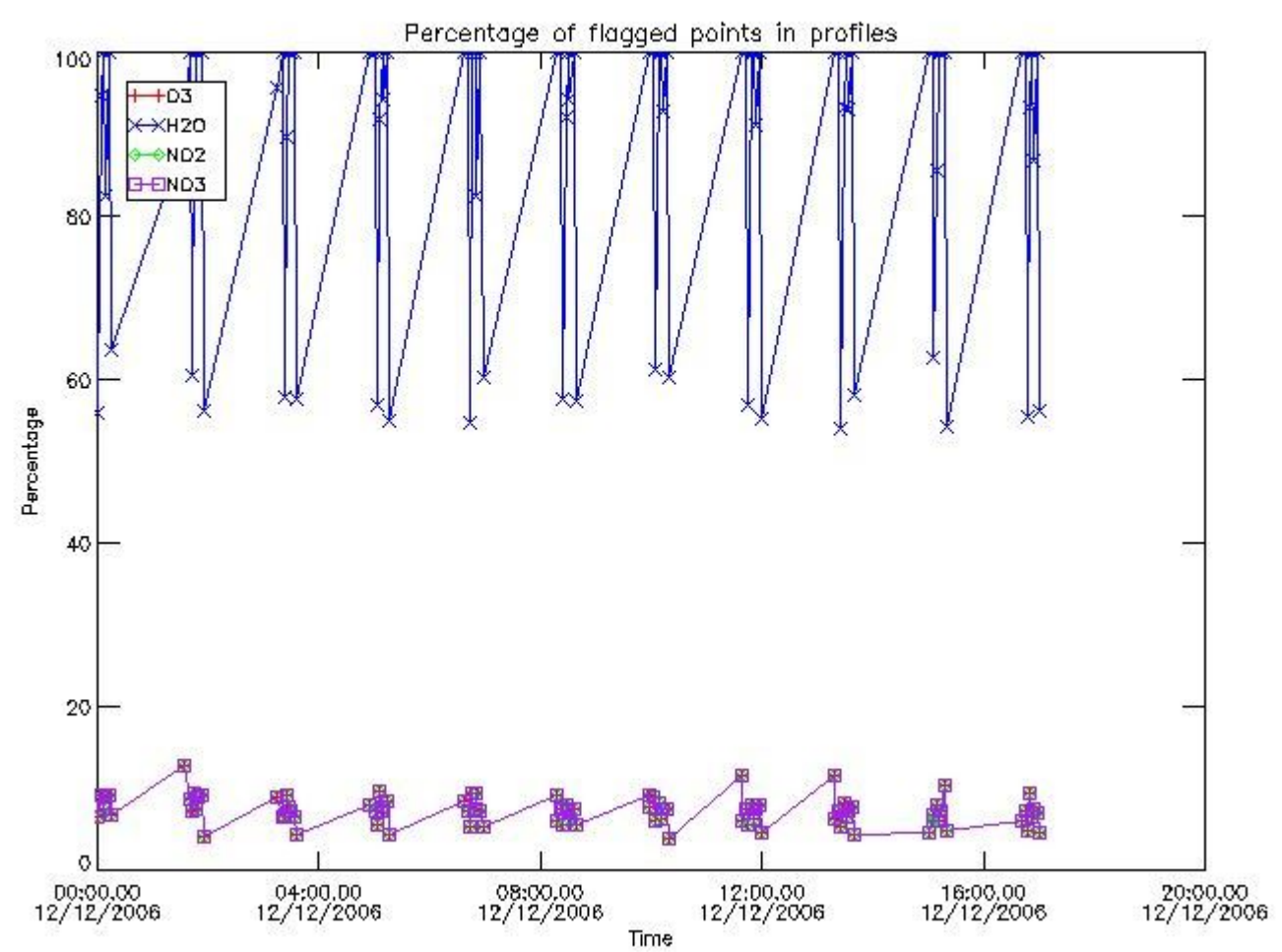


220	GOM_NL__2PRFIN20061212_150420_000000392053_00411_25014_7097.N1	12-DEC-2006 15:04:20	Dark	38.500	64	Gam Cen	2.2000	10600.	77	25014	No
221	GOM_NL__2PRFIN20061212_150616_000000342053_00412_25015_7092.N1	12-DEC-2006 15:06:16	Dark	34.000	26	Gam Cru	1.6240	2900.0	68	25015	No
222	GOM_NL__2PRFIN20061212_150935_000000392053_00412_25015_7093.N1	12-DEC-2006 15:09:35	Dark	38.500	113	Mu Vel	2.6920	5000.0	77	25015	No
223	GOM_NL__2PRFIN20061212_151220_000000342053_00412_25015_7094.N1	12-DEC-2006 15:12:20	Dark	34.000	159	Ups Car	2.9200	7200.0	68	25015	No
224	GOM_NL__2PRFIN20061212_151336_000000362053_00412_25015_7095.N1	12-DEC-2006 15:13:36	Dark	35.500	71	Iot Car	2.2460	7700.0	71	25015	No
225	GOM_NL__2PRFIN20061212_151811_000000392053_00412_25015_7096.N1	12-DEC-2006 15:18:11	Dark	39.000	34	Gam2Vel	1.7930	23000.	78	25015	No
226	GOM_NL__2PRFIN20061212_152035_000000432053_00412_25015_7097.N1	12-DEC-2006 15:20:35	Dark	43.000	2	Alp Car	-0.73600	7000.0	86	25015	No
227	GOM_NL__2PRFIN20061212_152642_000000382053_00412_25015_7098.N1	12-DEC-2006 15:26:42	Straylight	37.500	108	Alp Col	2.6520	15200.	75	25015	No
228	GOM_NL__2PRFIN20061212_153150_000000422053_00412_25015_7099.N1	12-DEC-2006 15:31:50	Straylight	41.500	101	11Alp Lep	2.5820	7000.0	83	25015	No
229	GOM_NL__2PRFIN20061212_153500_000000442053_00412_25015_7100.N1	12-DEC-2006 15:35:00	Straylight	43.500	7	19Bet Ori	0.10000	14000.	87	25015	No
230	GOM_NL__2PRFIN20061212_154227_000000412053_00412_25015_7101.N1	12-DEC-2006 15:42:27	Twilight	41.000	13	87Alp Tau	0.86700	3800.0	82	25015	No
231	GOM_NL__2PRFIN20061212_154430_000000312053_00412_25015_7102.N1	12-DEC-2006 15:44:30	Bright	31.000	146	25Eta Tau	2.8730	15200.	62	25015	No
232	GOM_NL__2PRFIN20061212_154642_000000302053_00412_25015_7103.N1	12-DEC-2006 15:46:42	Bright	29.500	150	44Zet Per	2.8900	28000.	59	25015	No
233	GOM_NL__2PRFIN20061212_154901_000000302053_00412_25015_7104.N1	12-DEC-2006 15:49:01	Bright	29.500	149	45Eps Per	2.8880	30000.	59	25015	No
234	GOM_NL__2PRFIN20061212_155111_000000282053_00412_25015_7105.N1	12-DEC-2006 15:51:11	Bright	28.000	175	39Del Per	3.0100	19400.	56	25015	No
235	GOM_NL__2PRFIN20061212_160253_000000302053_00412_25015_7106.N1	12-DEC-2006 16:02:53	Bright	29.500	49	1Alp UMi	1.9900	6300.0	59	25015	No
236	GOM_NL__2PRFIN20061212_160736_000000312053_00412_25015_7107.N1	12-DEC-2006 16:07:36	Bright	31.000	60	7Bet UMi	2.0810	3950.0	62	25015	No
237	GOM_NL__2PRFIN20061212_161224_000000362053_00412_25015_7108.N1	12-DEC-2006 16:12:24	Bright	36.000	32	77Eps UMa	1.7630	11000.	72	25015	No
238	GOM_NL__2PRFIN20061212_161451_000000342053_00412_25015_7109.N1	12-DEC-2006 16:14:51	Bright	33.500	39	85Eta UMa	1.8540	24000.	67	25015	No
239	GOM_NL__2PRFIN20061212_161804_000000292053_00412_25015_7110.N1	12-DEC-2006 16:18:04	Bright	29.000	180	27Gam Boo	3.0400	8000.0	58	25015	No
240	GOM_NL__2PRFIN20061212_162112_000000292053_00412_25015_7111.N1	12-DEC-2006 16:21:12	Bright	29.000	83		2.3780	11000.	58	25015	No
241	GOM_NL__2PRFIN20061212_162426_000000322053_00412_25015_7112.N1	12-DEC-2006 16:24:26	Bright	32.000	111	8Eta Boo	2.6800	6000.0	64	25015	No
242	GOM_NL__2PRFIN20061212_163403_000000452053_00412_25015_7113.N1	12-DEC-2006 16:34:03	Twilight	45.000	15	67Alp Vir	0.97600	28000.	90	25015	No
243	GOM_NL__2PRFIN20061212_163732_000000382053_00412_25015_7114.N1	12-DEC-2006 16:37:32	Twilight	37.500	169	46Gam Hya	2.9910	4700.0	75	25015	No
244	GOM_NL__2PRFIN20061212_164051_000000342053_00412_25015_7115.N1	12-DEC-2006 16:40:51	Dark	34.000	123	Iot Cen	2.7500	10200.	68	25015	No
245	GOM_NL__2PRFIN20061212_164457_000000362053_00412_25015_7116.N1	12-DEC-2006 16:44:57	Dark	35.500	64	Gam Cen	2.2000	10600.	71	25015	No
246	GOM_NL__2PRFIN20061212_164653_000000422053_00413_25016_7113.N1	12-DEC-2006 16:46:53	Dark	42.000	26	Gam Cru	1.6240	2900.0	84	25016	No
247	GOM_NL__2PRFIN20061212_165012_000000382053_00413_25016_7114.N1	12-DEC-2006 16:50:12	Dark	38.000	113	Mu Vel	2.6920	5000.0	76	25016	No
248	GOM_NL__2PRFIN20061212_165257_000000322053_00413_25016_7115.N1	12-DEC-2006 16:52:57	Dark	31.500	159	Ups Car	2.9200	7200.0	63	25016	No
249	GOM_NL__2PRFIN20061212_165412_000000352053_00413_25016_7116.N1	12-DEC-2006 16:54:12	Dark	34.500	71	Iot Car	2.2460	7700.0	69	25016	No
250	GOM_NL__2PRFIN20061212_165848_000000442053_00413_25016_7117.N1	12-DEC-2006 16:58:48	Dark	43.500	34	Gam2Vel	1.7930	23000.	87	25016	No
251	GOM_NL__2PRFIN20061212_170111_000000462053_00413_25016_7118.N1	12-DEC-2006 17:01:11	Dark	45.500	2	Alp Car	-0.73600	7000.0	91	25016	No

### 3. Quality information per product

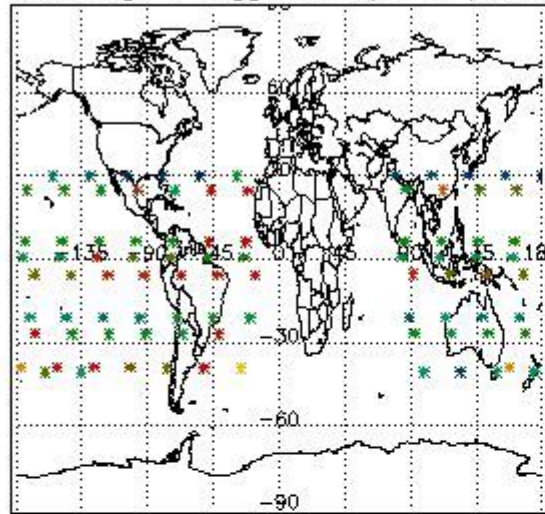
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

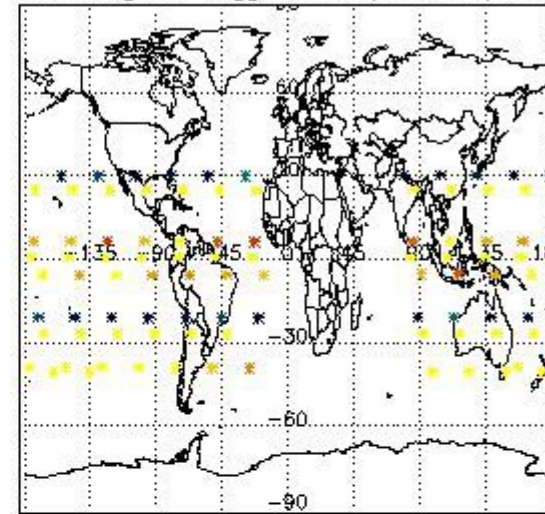


3.2 Plot quality information per product (world map)

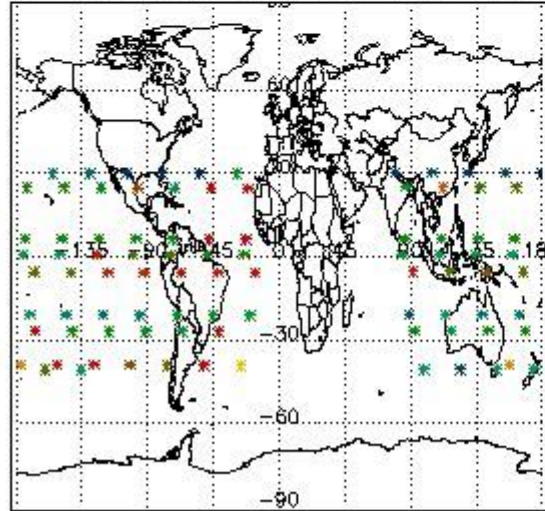
Percentage of flagged data per O3 profile



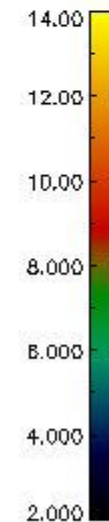
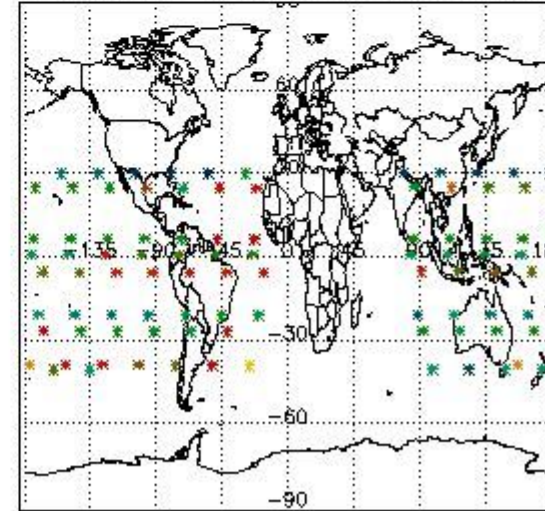
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile



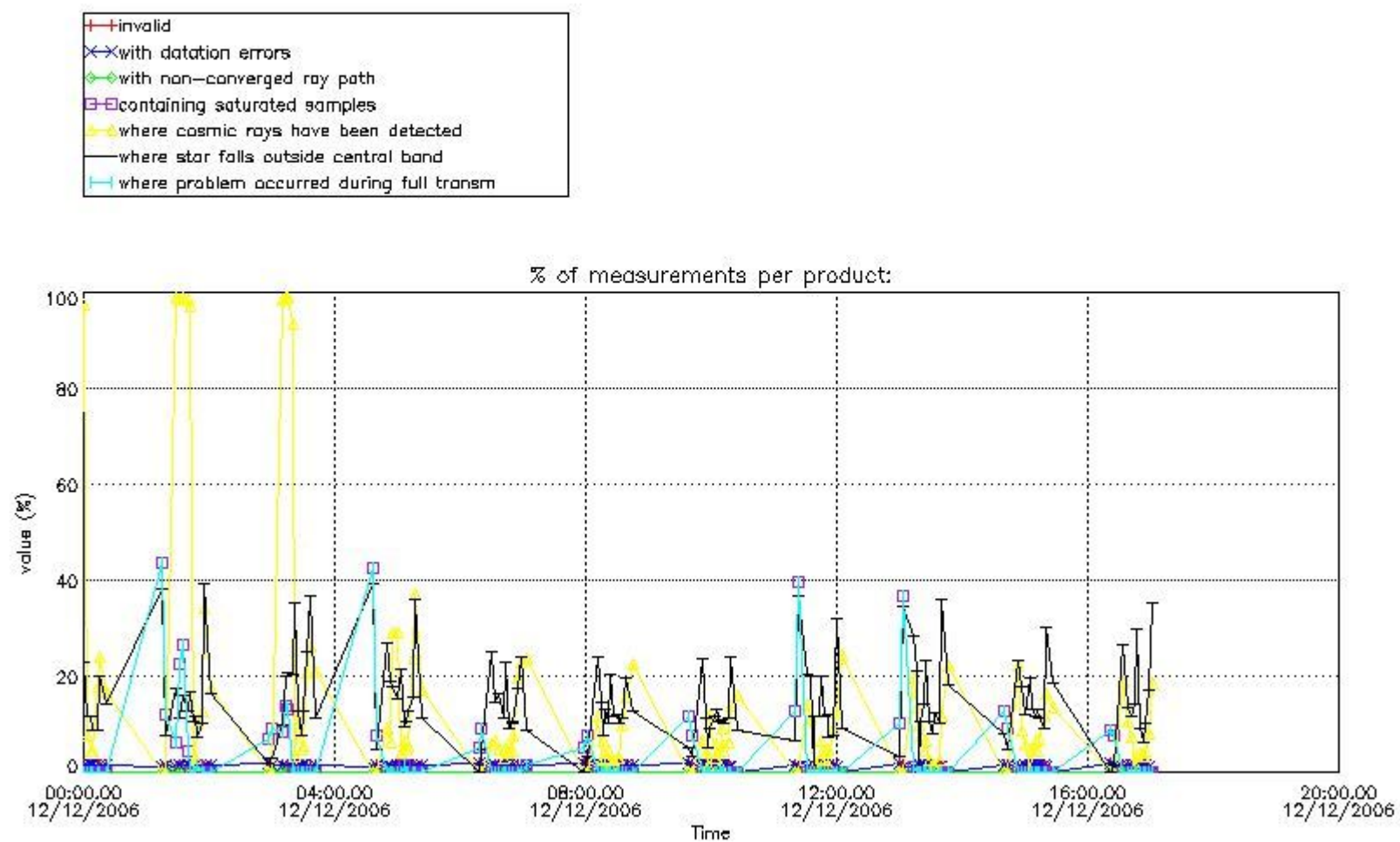
#### 4. Level 1 quality information per product

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

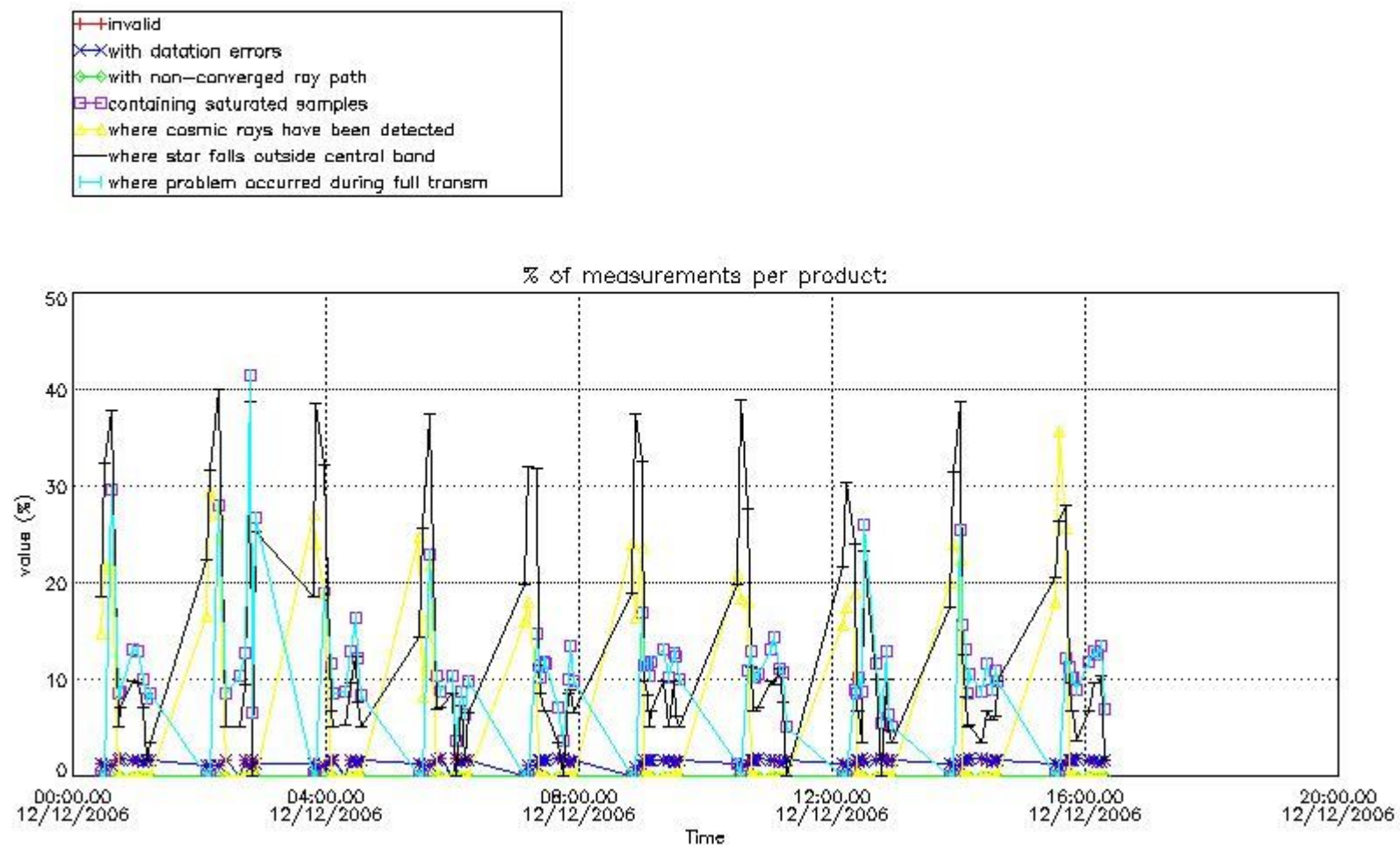
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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



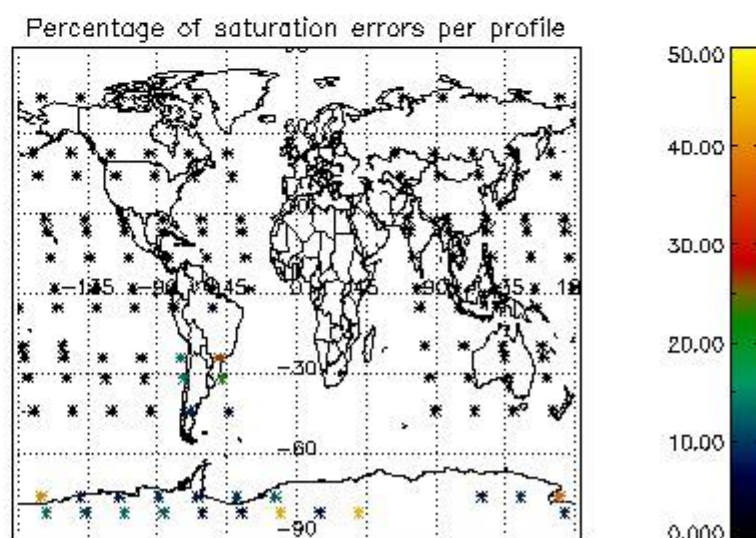
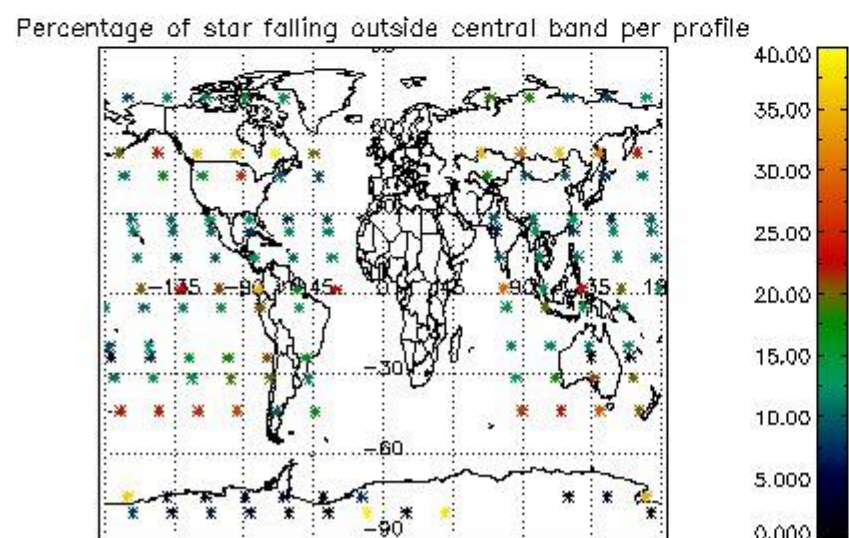
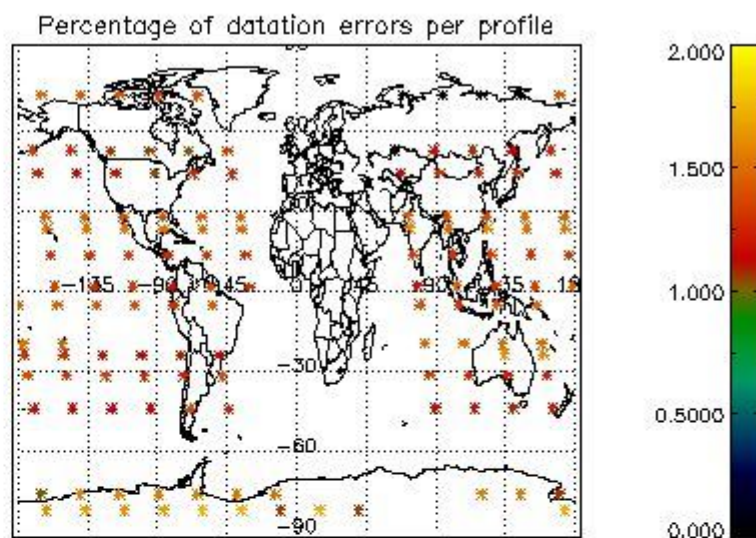
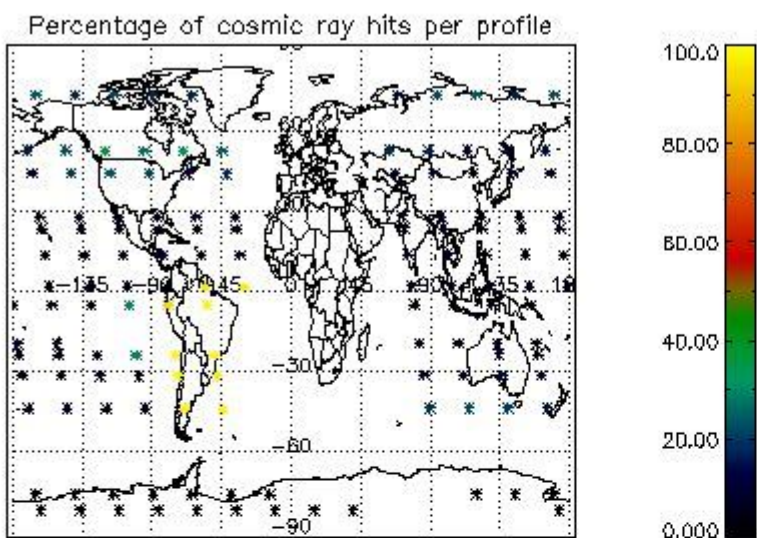


4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes

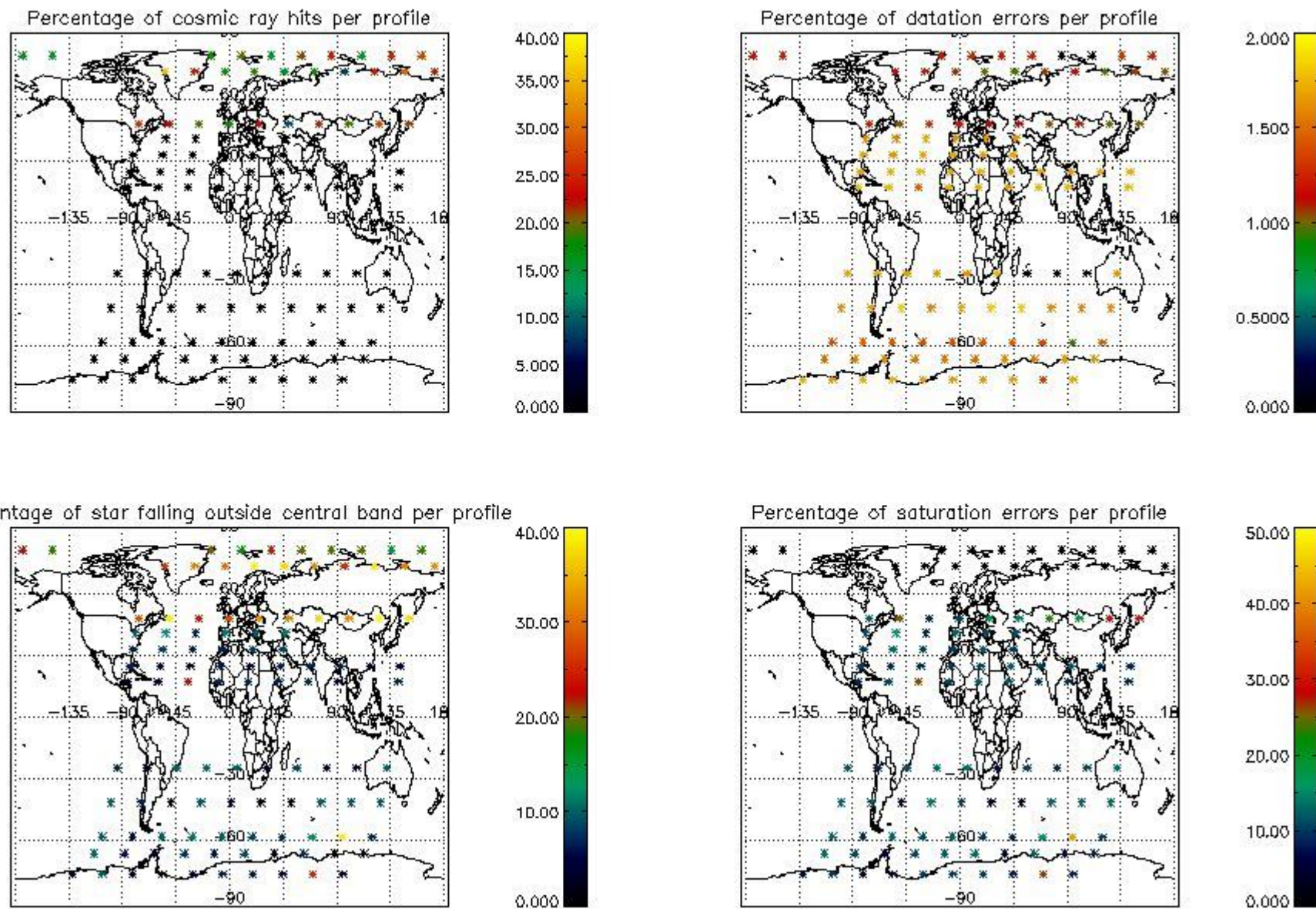


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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

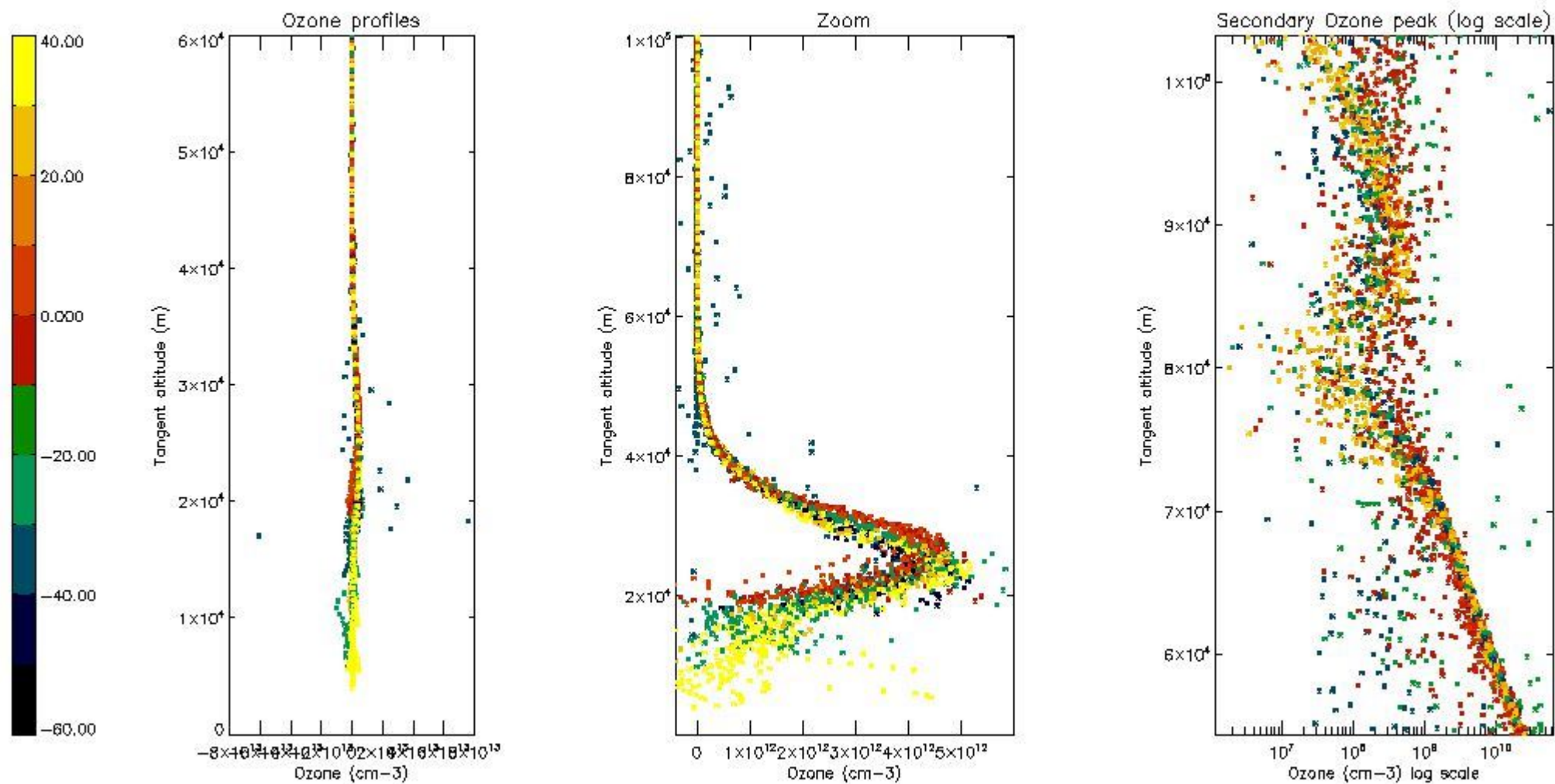
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	37
STD < 20	19

STD < 10	14
STD < 5	7

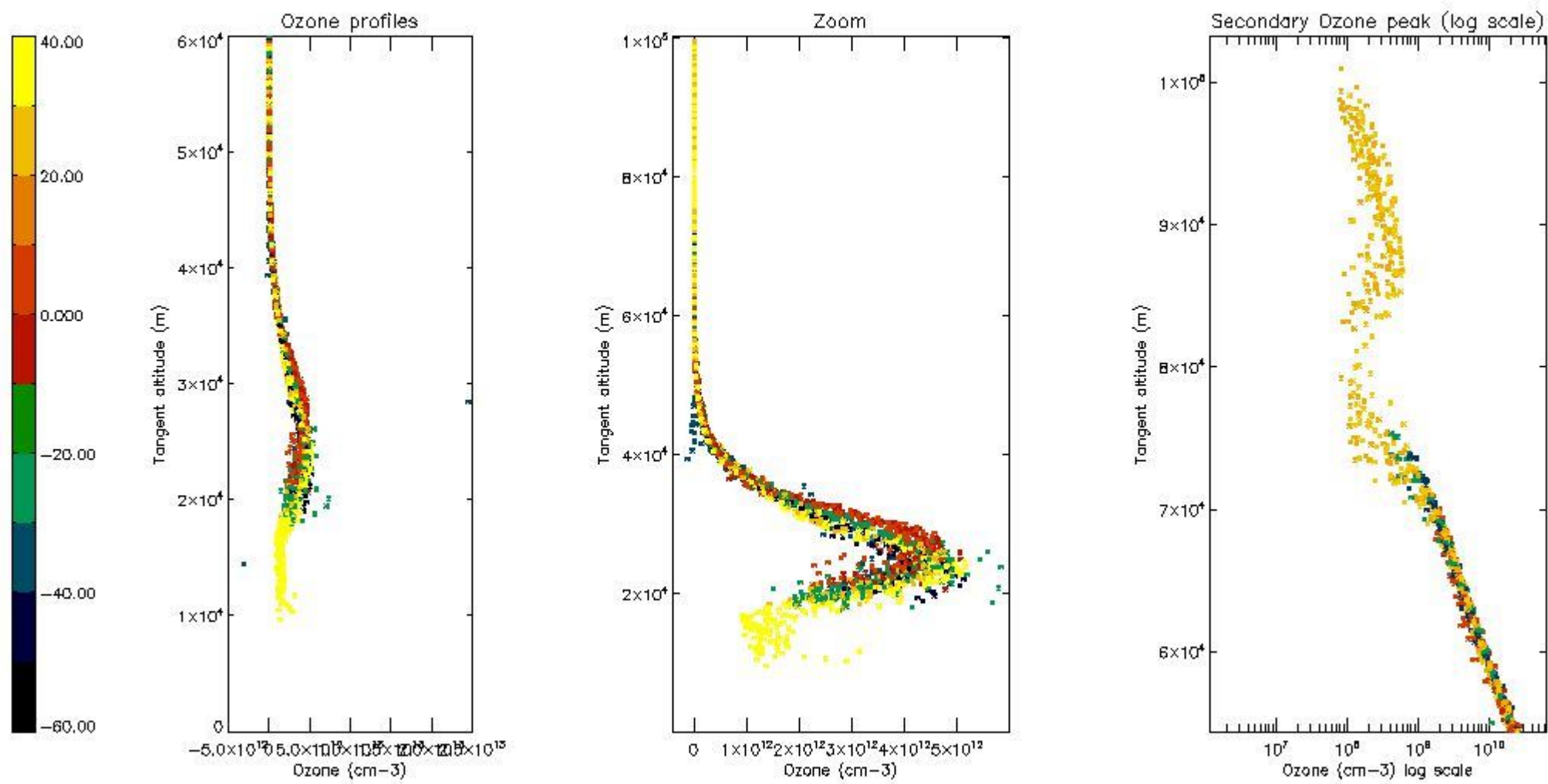
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



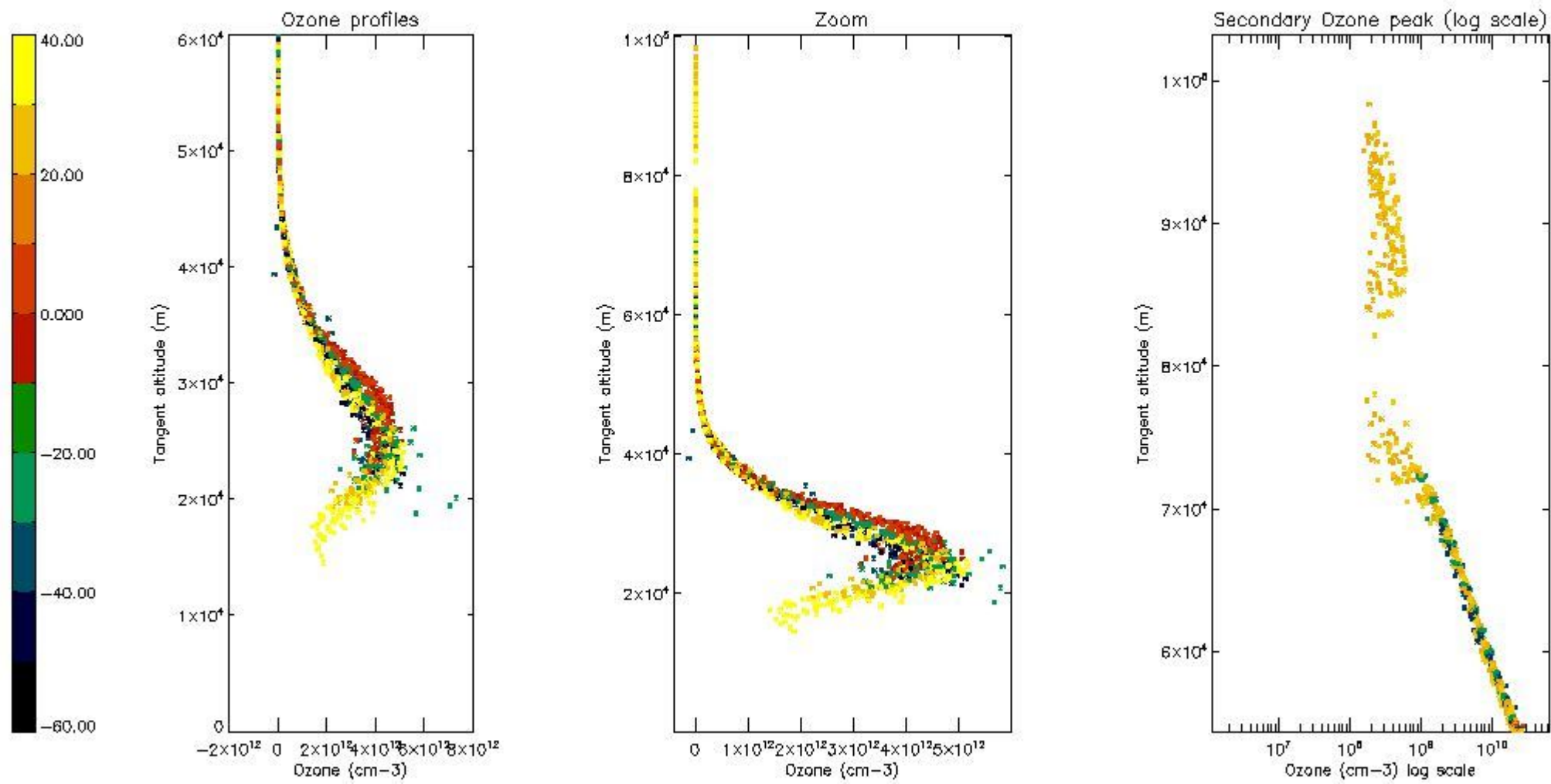
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



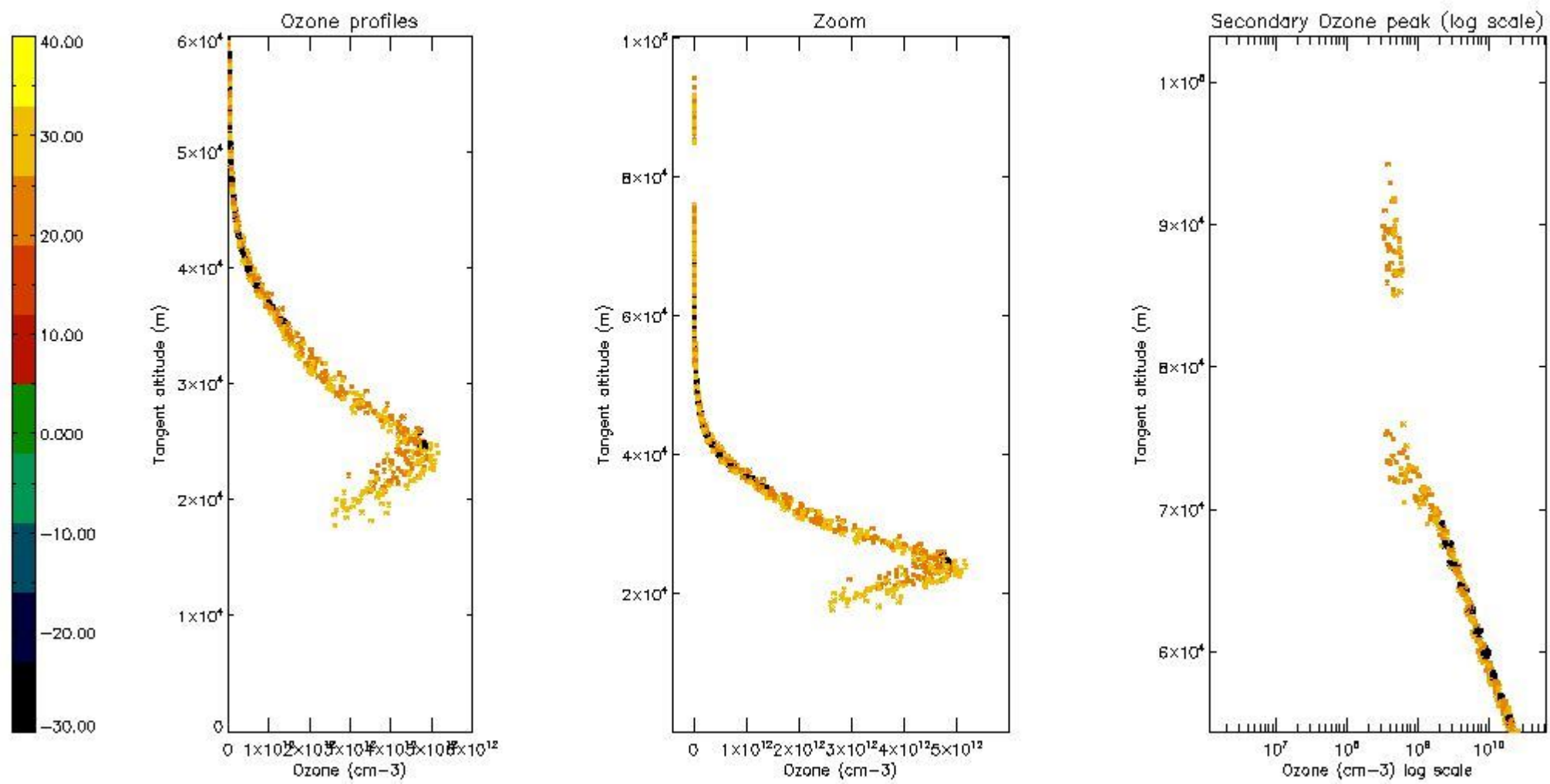
*5.4 Plot ozone profiles where  $STD < 10\%$  (dark without errors)*

The colorbar represents the latitude.



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

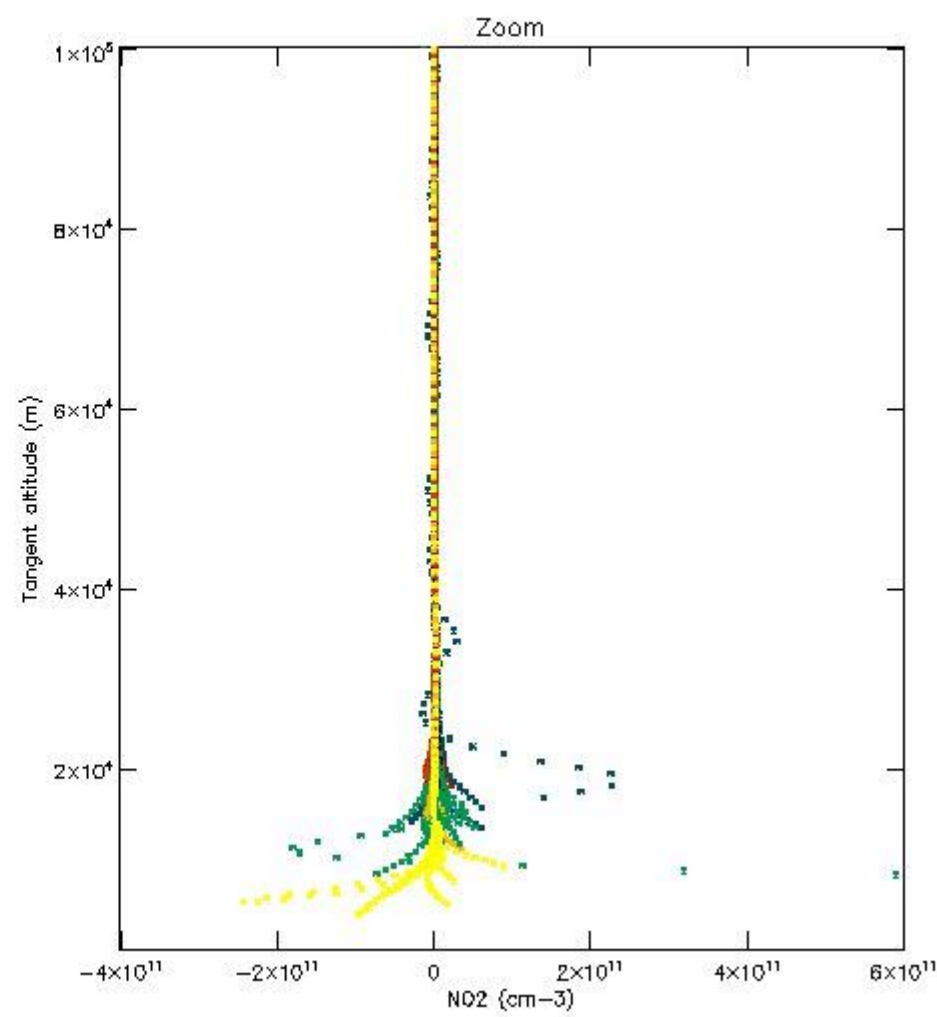
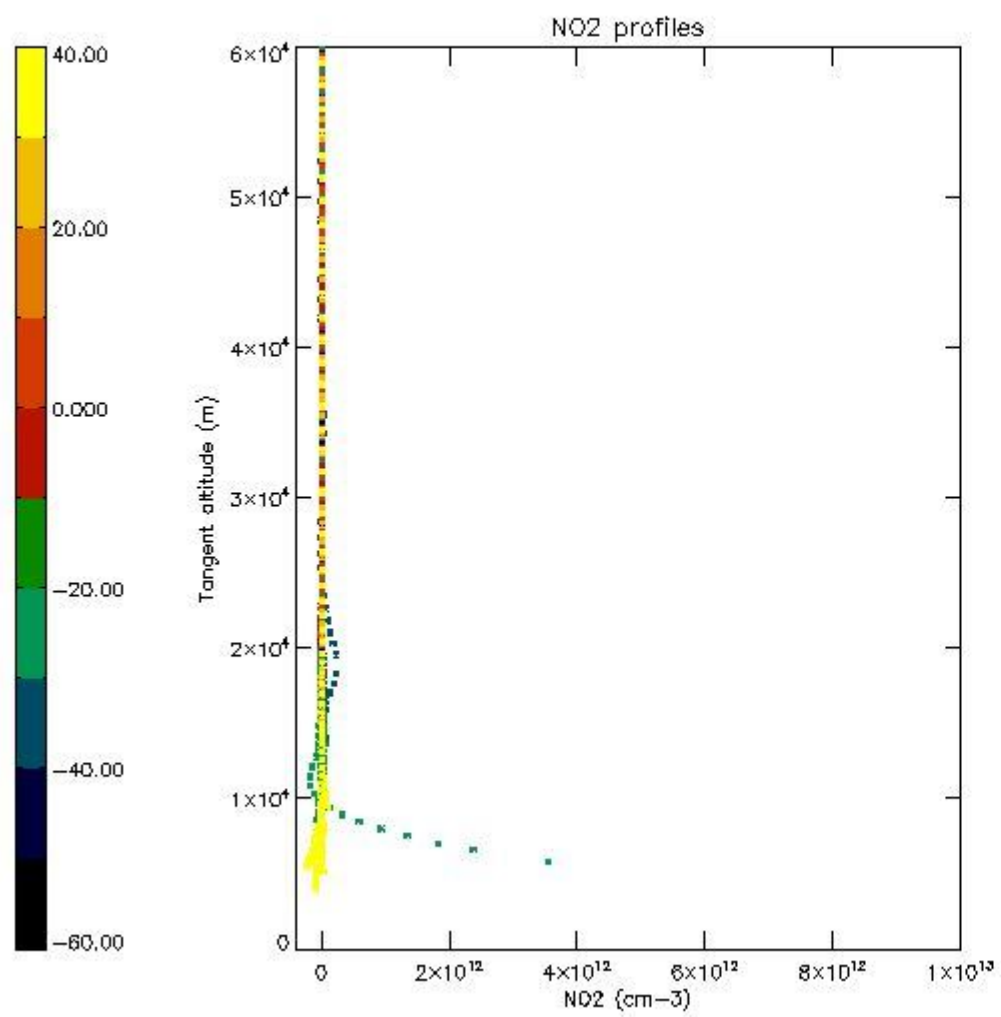
The colorbar represents the latitude.



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

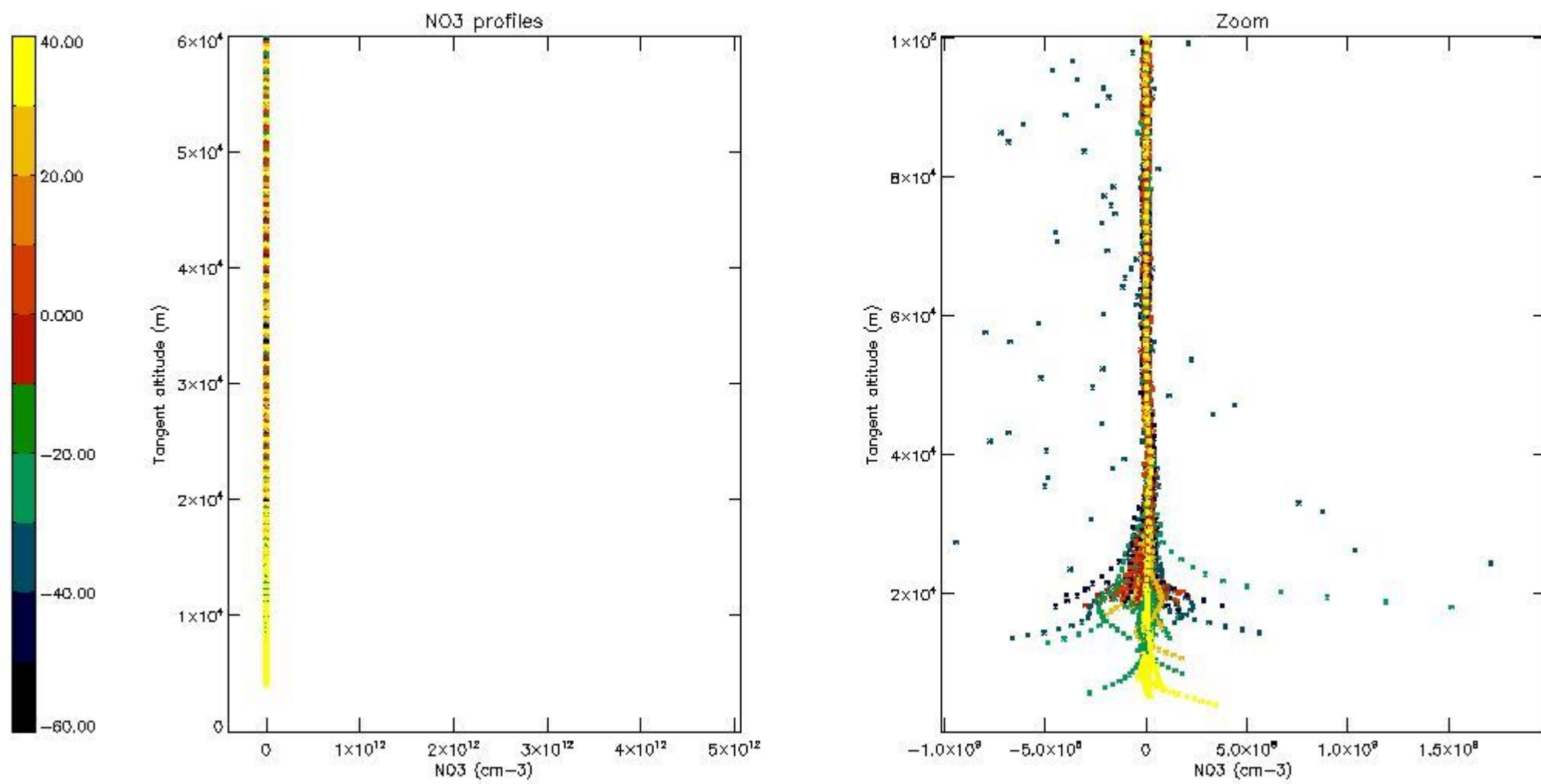
The colorbar represents the latitude.





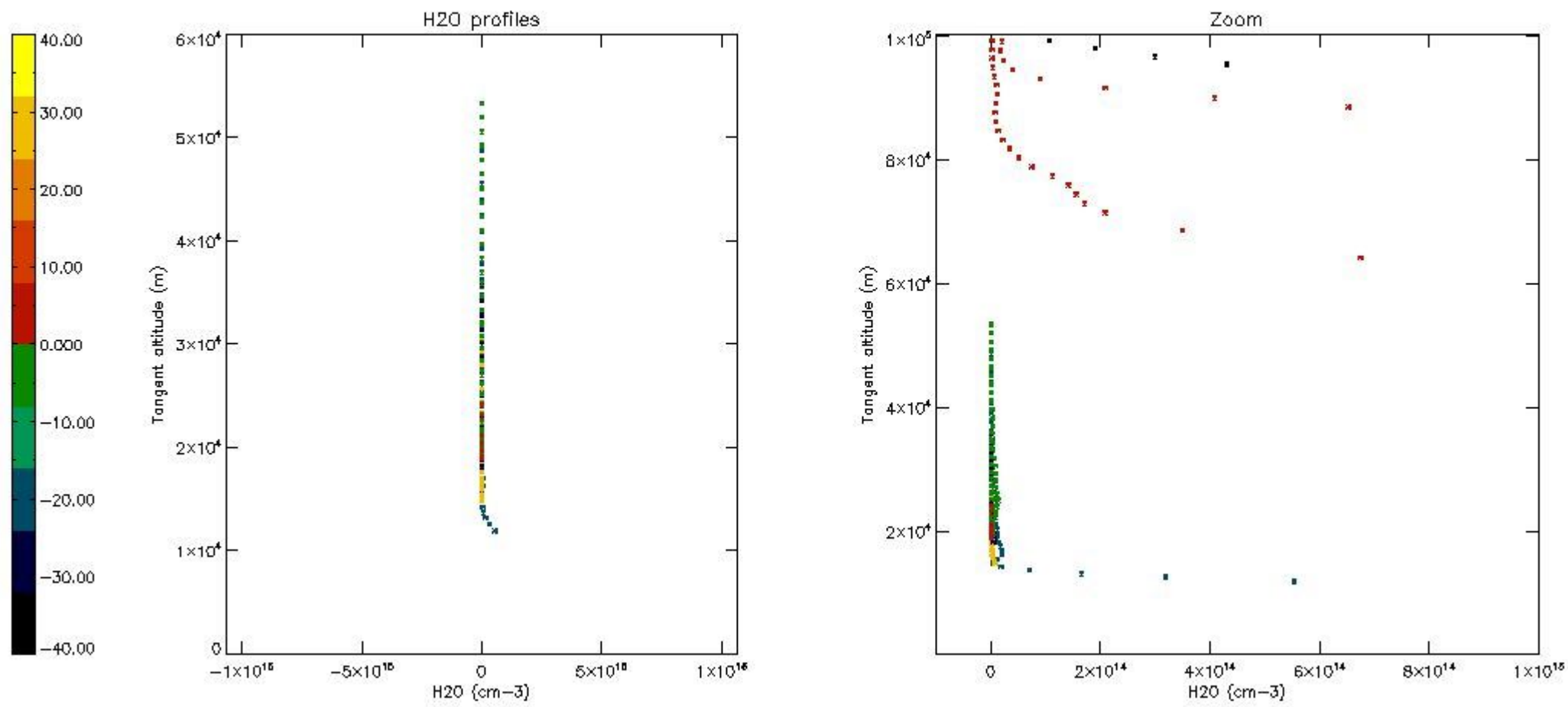
*5.7 Plot NO3 profiles for all STD (dark without errors)*

The colorbar represents the latitude.



5.8 Plot H<sub>2</sub>O profiles for all STD (only for occultations of stars 1,2,3,4,13,14,16,26,63 dark without errors)

The colorbar represents the latitude.



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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	12-DEC-2006 00:00:49
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	12-DEC-2006 00:00:49
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	12-DEC-2006 00:00:49

# GOMOS Level 2 Daily Report

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### [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	24APR2013 06:34:36
Data source version	GOMOS/6.01
Start time of products	12-12-2006 (12DEC2006 00:00:00)
Stop time of products	13-12-2006 (13DEC2006 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	251
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__2PRFIN20061212_000049_000000392053_00403_25006_6921.N1	12-DEC-2006 00:00:49	Dark	39.000	26	Gam Cru	1.6240	2900.0	78	25006	No
2	GOM_NL__2PRFIN20061212_000404_000000392053_00403_25006_6922.N1	12-DEC-2006 00:04:04	Dark	39.000	113	Mu Vel	2.6920	5000.0	78	25006	No
3	GOM_NL__2PRFIN20061212_000652_000000342053_00403_25006_6923.N1	12-DEC-2006 00:06:52	Dark	34.000	159	Ups Car	2.9200	7200.0	68	25006	No
4	GOM_NL__2PRFIN20061212_000807_000000352053_00403_25006_6924.N1	12-DEC-2006 00:08:07	Dark	34.500	71	Iot Car	2.2460	7700.0	69	25006	No
5	GOM_NL__2PRFIN20061212_001241_000000402053_00403_25006_6925.N1	12-DEC-2006 00:12:41	Dark	39.500	34	Gam2Vel	1.7930	23000.	79	25006	No
6	GOM_NL__2PRFIN20061212_001508_000000382053_00403_25006_6926.N1	12-DEC-2006 00:15:08	Dark	37.500	2	Alp Car	-0.73600	7000.0	75	25006	No
7	GOM_NL__2PRFIN20061212_002116_000000362053_00403_25006_6927.N1	12-DEC-2006 00:21:16	Straylight	35.500	108	Alp Col	2.6520	15200.	71	25006	No
8	GOM_NL__2PRFIN20061212_002626_000000412053_00403_25006_6928.N1	12-DEC-2006 00:26:26	Straylight	40.500	101	11Alp Lep	2.5820	7000.0	81	25006	No
9	GOM_NL__2PRFIN20061212_002937_000000482053_00403_25006_6929.N1	12-DEC-2006 00:29:37	Straylight	48.000	7	19Bet Ori	0.10000	14000.	96	25006	No
10	GOM_NL__2PRFIN20061212_003704_000000492053_00403_25006_6930.N1	12-DEC-2006 00:37:04	Twi_and_stray	49.000	13	87Alp Tau	0.86700	3800.0	98	25006	No
11	GOM_NL__2PRFIN20061212_004338_000000292053_00403_25006_6931.N1	12-DEC-2006 00:43:38	Bright	29.000	149	45Eps Per	2.8880	30000.	58	25006	No
12	GOM_NL__2PRFIN20061212_004548_000000292053_00403_25006_6932.N1	12-DEC-2006 00:45:48	Bright	28.500	175	39Del Per	3.0100	19400.	57	25006	No
13	GOM_NL__2PRFIN20061212_005729_000000312053_00403_25006_6933.N1	12-DEC-2006 00:57:29	Bright	30.500	49	1Alp UMi	1.9900	6300.0	61	25006	No
14	GOM_NL__2PRFIN20061212_010213_000000312053_00403_25006_6934.N1	12-DEC-2006 01:02:13	Bright	31.000	60	7Bet UMi	2.0810	3950.0	62	25006	No
15	GOM_NL__2PRFIN20061212_010703_000000352053_00403_25006_6935.N1	12-DEC-2006 01:07:03	Bright	35.000	32	77Eps UMa	1.7630	11000.	70	25006	No
16	GOM_NL__2PRFIN20061212_010928_000000312053_00403_25006_6936.N1	12-DEC-2006 01:09:28	Bright	31.000	39	85Eta UMa	1.8540	24000.	62	25006	No
17	GOM_NL__2PRFIN20061212_011239_000000302053_00403_25006_6937.N1	12-DEC-2006 01:12:39	Bright	29.500	180	27Gam Boo	3.0400	8000.0	59	25006	No
18	GOM_NL__2PRFIN20061212_011548_000000472053_00403_25006_6938.N1	12-DEC-2006 01:15:48	Bright	47.000	83		2.3780	11000.	94	25006	No
19	GOM_NL__2PRFIN20061212_011900_000000342053_00403_25006_6939.N1	12-DEC-2006 01:19:00	Bright	33.500	111	8Eta Boo	2.6800	6000.0	67	25006	No
20	GOM_NL__2PRFIN20061212_012834_000000402053_00403_25006_6940.N1	12-DEC-2006 01:28:34	Twi_and_stray	40.000	15	67Alp Vir	0.97600	28000.	80	25006	No
21	GOM_NL__2PRFIN20061212_013203_000000362053_00403_25006_6941.N1	12-DEC-2006 01:32:03	Twilight	35.500	169	46Gam Hya	2.9910	4700.0	71	25006	No
22	GOM_NL__2PRFIN20061212_013414_000000442053_00403_25006_6942.N1	12-DEC-2006 01:34:14	Dark	43.500	106	9Bet Crv	2.6480	5600.0	87	25006	No
23	GOM_NL__2PRFIN20061212_013928_000000352053_00403_25006_6943.N1	12-DEC-2006 01:39:28	Dark	35.000	64	Gam Cen	2.2000	10600.	70	25006	No
24	GOM_NL__2PRFIN20061212_014125_000000362053_00404_25007_6925.N1	12-DEC-2006 01:41:25	Dark	36.000	26	Gam Cru	1.6240	2900.0	72	25007	No
25	GOM_NL__2PRFIN20061212_014441_000000392053_00404_25007_6926.N1	12-DEC-2006 01:44:41	Dark	38.500	113	Mu Vel	2.6920	5000.0	77	25007	No
26	GOM_NL__2PRFIN20061212_014729_000000342053_00404_25007_6927.N1	12-DEC-2006 01:47:29	Dark	34.000	159	Ups Car	2.9200	7200.0	68	25007	No
27	GOM_NL__2PRFIN20061212_014843_000000352053_00404_25007_6928.N1	12-DEC-2006 01:48:43	Dark	34.500	71	Iot Car	2.2460	7700.0	69	25007	No
28	GOM_NL__2PRFIN20061212_015318_000000402053_00404_25007_6929.N1	12-DEC-2006 01:53:18	Dark	39.500	34	Gam2Vel	1.7930	23000.	79	25007	No
29	GOM_NL__2PRFIN20061212_015544_000000502053_00404_25007_6930.N1	12-DEC-2006 01:55:44	Dark	49.500	2	Alp Car	-0.73600	7000.0	99	25007	No
30	GOM_NL__2PRFIN20061212_020152_000000372053_00404_25007_6931.N1	12-DEC-2006 02:01:52	Straylight	37.000	108	Alp Col	2.6520	15200.	74	25007	No
31	GOM_NL__2PRFIN20061212_020701_000000432053_00404_25007_6932.N1	12-DEC-2006 02:07:01	Straylight	42.500	101	11Alp Lep	2.5820	7000.0	85	25007	No
32	GOM_NL__2PRFIN20061212_021013_000000482053_00404_25007_6933.N1	12-DEC-2006 02:10:13	Straylight	47.500	7	19Bet Ori	0.10000	14000.	95	25007	No
33	GOM_NL__2PRFIN20061212_021740_000000502053_00404_25007_6934.N1	12-DEC-2006 02:17:40	Twi_and_stray	50.000	13	87Alp Tau	0.86700	3800.0	100	25007	No
34	GOM_NL__2PRFIN20061212_022414_000000292053_00404_25007_6935.N1	12-DEC-2006 02:24:14	Bright	29.000	149	45Eps Per	2.8880	30000.	58	25007	No
35	GOM_NL__2PRFIN20061212_023805_000000292053_00404_25007_6936.N1	12-DEC-2006 02:38:05	Bright	29.000	49	1Alp UMi	1.9900	6300.0	58	25007	No
36	GOM_NL__2PRFIN20061212_024249_000000322053_00404_25007_6937.N1	12-DEC-2006 02:42:49	Bright	31.500	60	7Bet UMi	2.0810	3950.0	63	25007	No
37	GOM_NL__2PRFIN20061212_024738_000000532053_00404_25007_6938.N1	12-DEC-2006 02:47:38	Bright	53.000	32	77Eps UMa	1.7630	11000.	106	25007	No
38	GOM_NL__2PRFIN20061212_025004_000000312053_00404_25007_6939.N1	12-DEC-2006 02:50:04	Bright	30.500	39	85Eta UMa	1.8540	24000.	61	25007	No
39	GOM_NL__2PRFIN20061212_025315_000000382053_00404_25007_6940.N1	12-DEC-2006 02:53:15	Bright	37.500	180	27Gam Boo	3.0400	8000.0	75	25007	No
40	GOM_NL__2PRFIN20061212_025624_000000292053_00404_25007_6941.N1	12-DEC-2006 02:56:24	Bright	29.000	83		2.3780	11000.	58	25007	No
41	GOM_NL__2PRFIN20061212_025936_000000332053_00404_25007_6942.N1	12-DEC-2006 02:59:36	Bright	32.500	111	8Eta Boo	2.6800	6000.0	65	25007	No
42	GOM_NL__2PRFIN20061212_030911_000000362053_00404_25007_6943.N1	12-DEC-2006 03:09:11	Twi_and_stray	36.000	15	67Alp Vir	0.97600	28000.	72	25007	No

43	GOM_NL__2PRFIN20061212_031239_000000402053_00404_25007_6944.N1	12-DEC-2006 03:12:39	Twilight	40.000	169	46Gam Hya	2.9910	4700.0	80	25007	No
44	GOM_NL__2PRFIN20061212_031451_000000462053_00404_25007_6945.N1	12-DEC-2006 03:14:51	Dark	45.500	106	9Bet Crv	2.6480	5600.0	91	25007	No
45	GOM_NL__2PRFIN20061212_032005_000000392053_00404_25007_6946.N1	12-DEC-2006 03:20:05	Dark	39.000	64	Gam Cen	2.2000	10600.	78	25007	No
46	GOM_NL__2PRFIN20061212_032202_000000462053_00405_25008_6938.N1	12-DEC-2006 03:22:02	Dark	45.500	26	Gam Cru	1.6240	2900.0	91	25008	No
47	GOM_NL__2PRFIN20061212_032518_000000402053_00405_25008_6939.N1	12-DEC-2006 03:25:18	Dark	39.500	113	Mu Vel	2.6920	5000.0	79	25008	No
48	GOM_NL__2PRFIN20061212_032805_000000332053_00405_25008_6940.N1	12-DEC-2006 03:28:05	Dark	33.000	159	Ups Car	2.9200	7200.0	66	25008	No
49	GOM_NL__2PRFIN20061212_032920_000000362053_00405_25008_6941.N1	12-DEC-2006 03:29:20	Dark	35.500	71	Iot Car	2.2460	7700.0	71	25008	No
50	GOM_NL__2PRFIN20061212_033354_000000482053_00405_25008_6942.N1	12-DEC-2006 03:33:54	Dark	48.000	34	Gam2Vel	1.7930	23000.	96	25008	No
51	GOM_NL__2PRFIN20061212_033620_000000482053_00405_25008_6943.N1	12-DEC-2006 03:36:20	Dark	47.500	2	Alp Car	-0.73600	7000.0	95	25008	No
52	GOM_NL__2PRFIN20061212_034229_000000362053_00405_25008_6944.N1	12-DEC-2006 03:42:29	Straylight	35.500	108	Alp Col	2.6520	15200.	71	25008	No
53	GOM_NL__2PRFIN20061212_034738_000000412053_00405_25008_6945.N1	12-DEC-2006 03:47:38	Straylight	40.500	101	11Alp Lep	2.5820	7000.0	81	25008	No
54	GOM_NL__2PRFIN20061212_035048_000000522053_00405_25008_6946.N1	12-DEC-2006 03:50:48	Straylight	52.000	7	19Bet Ori	0.10000	14000.	104	25008	No
55	GOM_NL__2PRFIN20061212_035816_000000452053_00405_25008_6947.N1	12-DEC-2006 03:58:16	Twi_and_stray	45.000	13	87Alp Tau	0.86700	3800.0	90	25008	No
56	GOM_NL__2PRFIN20061212_040450_000000302053_00405_25008_6948.N1	12-DEC-2006 04:04:50	Bright	30.000	149	45Eps Per	2.8880	30000.	60	25008	No
57	GOM_NL__2PRFIN20061212_040700_000000292053_00405_25008_6949.N1	12-DEC-2006 04:07:00	Bright	29.000	175	39Del Per	3.0100	19400.	58	25008	No
58	GOM_NL__2PRFIN20061212_041841_000000292053_00405_25008_6950.N1	12-DEC-2006 04:18:41	Bright	28.500	49	1Alp UMi	1.9900	6300.0	57	25008	No
59	GOM_NL__2PRFIN20061212_042325_000000312053_00405_25008_6951.N1	12-DEC-2006 04:23:25	Bright	31.000	60	7Bet UMi	2.0810	3950.0	62	25008	No
60	GOM_NL__2PRFIN20061212_042814_000000372053_00405_25008_6952.N1	12-DEC-2006 04:28:14	Bright	36.500	32	77Eps UMa	1.7630	11000.	73	25008	No
61	GOM_NL__2PRFIN20061212_043040_000000332053_00405_25008_6953.N1	12-DEC-2006 04:30:40	Bright	33.000	39	85Eta UMa	1.8540	24000.	66	25008	No
62	GOM_NL__2PRFIN20061212_043352_000000302053_00405_25008_6954.N1	12-DEC-2006 04:33:52	Bright	30.000	180	27Gam Boo	3.0400	8000.0	60	25008	No
63	GOM_NL__2PRFIN20061212_043700_000000472053_00405_25008_6955.N1	12-DEC-2006 04:37:00	Bright	47.000	83		2.3780	11000.	94	25008	No
64	GOM_NL__2PRFIN20061212_044013_000000322053_00405_25008_6956.N1	12-DEC-2006 04:40:13	Bright	32.000	111	8Eta Boo	2.6800	6000.0	64	25008	No
65	GOM_NL__2PRFIN20061212_044947_000000452053_00405_25008_6957.N1	12-DEC-2006 04:49:47	Twi_and_stray	44.500	15	67Alp Vir	0.97600	28000.	89	25008	No
66	GOM_NL__2PRFIN20061212_045316_000000402053_00405_25008_6958.N1	12-DEC-2006 04:53:16	Twilight	39.500	169	46Gam Hya	2.9910	4700.0	79	25008	No
67	GOM_NL__2PRFIN20061212_045528_000000452053_00405_25008_6959.N1	12-DEC-2006 04:55:28	Dark	44.500	106	9Bet Crv	2.6480	5600.0	89	25008	No
68	GOM_NL__2PRFIN20061212_050041_000000362053_00405_25008_6960.N1	12-DEC-2006 05:00:41	Dark	36.000	64	Gam Cen	2.2000	10600.	72	25008	No
69	GOM_NL__2PRFIN20061212_050238_000000382053_00406_25009_6945.N1	12-DEC-2006 05:02:38	Dark	37.500	26	Gam Cru	1.6240	2900.0	75	25009	No
70	GOM_NL__2PRFIN20061212_050555_000000382053_00406_25009_6946.N1	12-DEC-2006 05:05:55	Dark	37.500	113	Mu Vel	2.6920	5000.0	75	25009	No
71	GOM_NL__2PRFIN20061212_050842_000000332053_00406_25009_6947.N1	12-DEC-2006 05:08:42	Dark	33.000	159	Ups Car	2.9200	7200.0	66	25009	No
72	GOM_NL__2PRFIN20061212_050957_000000362053_00406_25009_6948.N1	12-DEC-2006 05:09:57	Dark	35.500	71	Iot Car	2.2460	7700.0	71	25009	No
73	GOM_NL__2PRFIN20061212_051431_000000422053_00406_25009_6949.N1	12-DEC-2006 05:14:31	Dark	42.000	34	Gam2Vel	1.7930	23000.	84	25009	No
74	GOM_NL__2PRFIN20061212_051657_000000472053_00406_25009_6950.N1	12-DEC-2006 05:16:57	Dark	47.000	2	Alp Car	-0.73600	7000.0	94	25009	No
75	GOM_NL__2PRFIN20061212_052305_000000352053_00406_25009_6951.N1	12-DEC-2006 05:23:05	Straylight	35.000	108	Alp Col	2.6520	15200.	70	25009	No
76	GOM_NL__2PRFIN20061212_052814_000000392053_00406_25009_6952.N1	12-DEC-2006 05:28:14	Straylight	38.500	101	11Alp Lep	2.5820	7000.0	77	25009	No
77	GOM_NL__2PRFIN20061212_053125_000000432053_00406_25009_6953.N1	12-DEC-2006 05:31:25	Straylight	43.000	7	19Bet Ori	0.10000	14000.	86	25009	No
78	GOM_NL__2PRFIN20061212_053852_000000482053_00406_25009_6954.N1	12-DEC-2006 05:38:52	Twi_and_stray	48.000	13	87Alp Tau	0.86700	3800.0	96	25009	No
79	GOM_NL__2PRFIN20061212_054526_000000292053_00406_25009_6955.N1	12-DEC-2006 05:45:26	Bright	29.000	149	45Eps Per	2.8880	30000.	58	25009	No
80	GOM_NL__2PRFIN20061212_054736_000000292053_00406_25009_6956.N1	12-DEC-2006 05:47:36	Bright	28.500	175	39Del Per	3.0100	19400.	57	25009	No
81	GOM_NL__2PRFIN20061212_055918_000000292053_00406_25009_6957.N1	12-DEC-2006 05:59:18	Bright	29.000	49	1Alp UMi	1.9900	6300.0	58	25009	No
82	GOM_NL__2PRFIN20061212_060401_000000282053_00406_25009_6958.N1	12-DEC-2006 06:04:01	Bright	27.500	60	7Bet UMi	2.0810	3950.0	55	25009	No
83	GOM_NL__2PRFIN20061212_060850_000000352053_00406_25009_6959.N1	12-DEC-2006 06:08:50	Bright	34.500	32	77Eps UMa	1.7630	11000.	69	25009	No
84	GOM_NL__2PRFIN20061212_061116_000000312053_00406_25009_6960.N1	12-DEC-2006 06:11:16	Bright	31.000	39	85Eta UMa	1.8540	24000.	62	25009	No
85	GOM_NL__2PRFIN20061212_061428_000000312053_00406_25009_6961.N1	12-DEC-2006 06:14:28	Bright	30.500	180	27Gam Boo	3.0400	8000.0	61	25009	No
86	GOM_NL__2PRFIN20061212_061736_000000292053_00406_25009_6962.N1	12-DEC-2006 06:17:36	Bright	28.500	83		2.3780	11000.	57	25009	No
87	GOM_NL__2PRFIN20061212_062049_000000332053_00406_25009_6963.N1	12-DEC-2006 06:20:49	Bright	32.500	111	8Eta Boo	2.6800	6000.0	65	25009	No
88	GOM_NL__2PRFIN20061212_063024_000000442053_00406_25009_6964.N1	12-DEC-2006 06:30:24	Twi_and_stray	44.000	15	67Alp Vir	0.97600	28000.	88	25009	No
89	GOM_NL__2PRFIN20061212_063352_000000382053_00406_25009_6965.N1	12-DEC-2006 06:33:52	Twilight	37.500	169	46Gam Hya	2.9910	4700.0	75	25009	No
90	GOM_NL__2PRFIN20061212_063605_000000432053_00406_25009_6966.N1	12-DEC-2006 06:36:05	Dark	43.000	106	9Bet Crv	2.6480	5600.0	86	25009	No
91	GOM_NL__2PRFIN20061212_064118_000000352053_00406_25009_6967.N1	12-DEC-2006 06:41:18	Dark	35.000	64	Gam Cen	2.2000	10600.	70	25009	No
92	GOM_NL__2PRFIN20061212_064315_000000392053_00407_25010_6953.N1	12-DEC-2006 06:43:15	Dark	39.000	26	Gam Cru	1.6240	2900.0	78	25010	No
93	GOM_NL__2PRFIN20061212_064632_000000382053_00407_25010_6954.N1	12-DEC-2006 06:46:32	Dark	38.000	113	Mu Vel	2.6920	5000.0	76	25010	No
94	GOM_NL__2PRFIN20061212_064918_000000332053_00407_25010_6955.N1	12-DEC-2006 06:49:18	Dark	33.000	159	Ups Car	2.9200	7200.0	66	25010	No
95	GOM_NL__2PRFIN20061212_065033_000000352053_00407_25010_6956.N1	12-DEC-2006 06:50:33	Dark	34.500	71	Iot Car	2.2460	7700.0	69	25010	No
96	GOM_NL__2PRFIN20061212_065508_000000432053_00407_25010_6957.N1	12-DEC-2006 06:55:08	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	25010	No
97	GOM_NL__2PRFIN20061212_065733_000000402053_00407_25010_6958.N1	12-DEC-2006 06:57:33	Dark	39.500	2	Alp Car	-0.73600	7000.0	79	25010	No
98	GOM_NL__2PRFIN20061212_070341_000000342053_00407_25010_6959.N1	12-DEC-2006 07:03:41	Straylight	34.000	108	Alp Col	2.6520	15200.	68	25010	No
99	GOM_NL__2PRFIN20061212_070850_000000412053_00407_25010_6960.N1	12-DEC-2006 07:08:50	Straylight	40.500	101	11Alp Lep	2.5820	7000.0	81	25010	No
100	GOM_NL__2PRFIN20061212_071201_000000472053_00407_25010_6961.N1	12-DEC-2006 07:12:01	Straylight	47.000	7	19Bet Ori	0.10000	14000.	94	25010	No
101	GOM_NL__2PRFIN20061212_071928_000000442053_00407_25010_6962.N1	12-DEC-2006 07:19:28	Twi_and_stray	44.000	13	87Alp Tau	0.86700	3800.0	88	25010	No





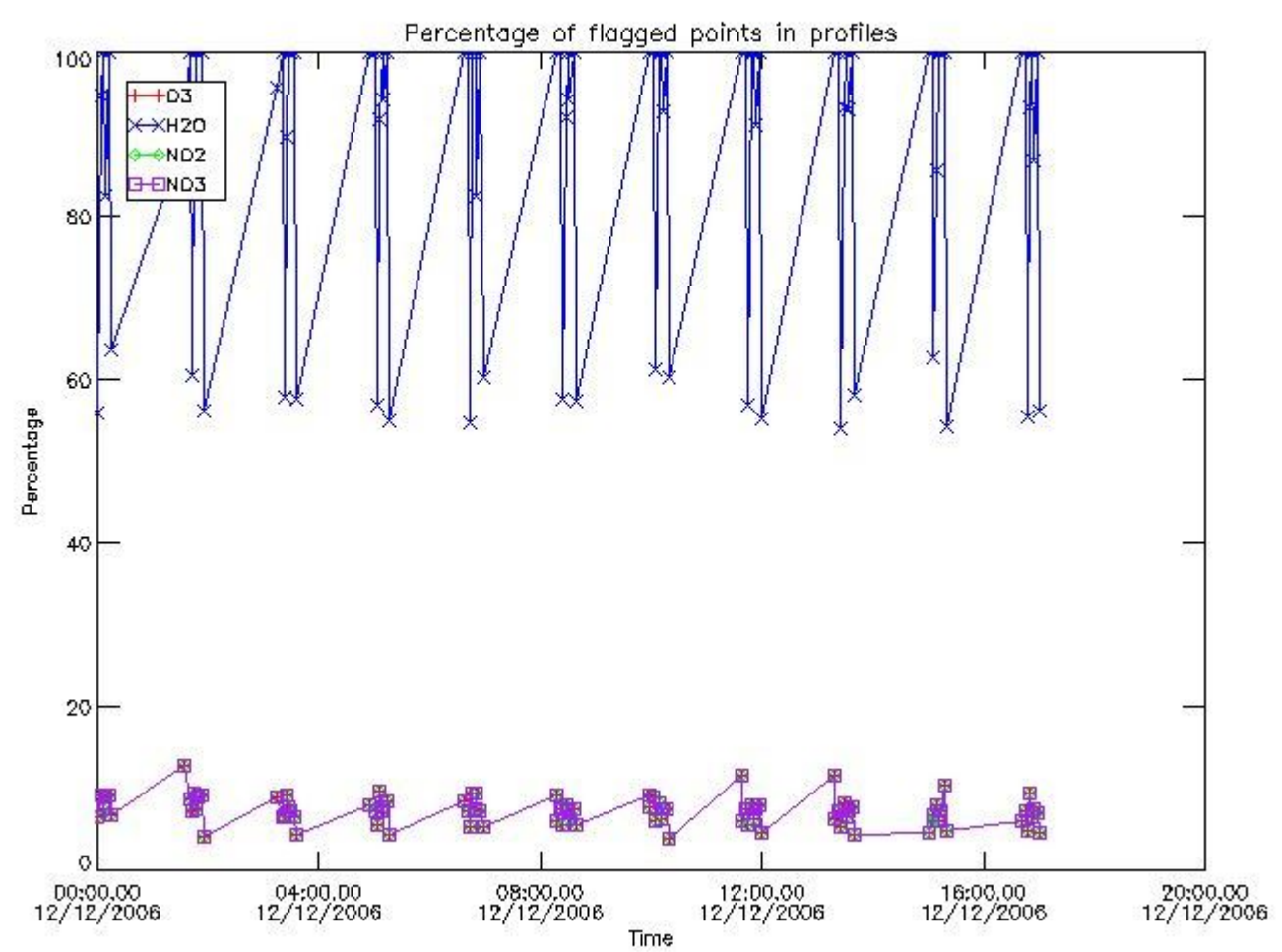


220	GOM_NL__2PRFIN20061212_150420_000000392053_00411_25014_7097.N1	12-DEC-2006 15:04:20	Dark	38.500	64	Gam Cen	2.2000	10600.	77	25014	No
221	GOM_NL__2PRFIN20061212_150616_000000342053_00412_25015_7092.N1	12-DEC-2006 15:06:16	Dark	34.000	26	Gam Cru	1.6240	2900.0	68	25015	No
222	GOM_NL__2PRFIN20061212_150935_000000392053_00412_25015_7093.N1	12-DEC-2006 15:09:35	Dark	38.500	113	Mu Vel	2.6920	5000.0	77	25015	No
223	GOM_NL__2PRFIN20061212_151220_000000342053_00412_25015_7094.N1	12-DEC-2006 15:12:20	Dark	34.000	159	Ups Car	2.9200	7200.0	68	25015	No
224	GOM_NL__2PRFIN20061212_151336_000000362053_00412_25015_7095.N1	12-DEC-2006 15:13:36	Dark	35.500	71	Iot Car	2.2460	7700.0	71	25015	No
225	GOM_NL__2PRFIN20061212_151811_000000392053_00412_25015_7096.N1	12-DEC-2006 15:18:11	Dark	39.000	34	Gam2Vel	1.7930	23000.	78	25015	No
226	GOM_NL__2PRFIN20061212_152035_000000432053_00412_25015_7097.N1	12-DEC-2006 15:20:35	Dark	43.000	2	Alp Car	-0.73600	7000.0	86	25015	No
227	GOM_NL__2PRFIN20061212_152642_000000382053_00412_25015_7098.N1	12-DEC-2006 15:26:42	Straylight	37.500	108	Alp Col	2.6520	15200.	75	25015	No
228	GOM_NL__2PRFIN20061212_153150_000000422053_00412_25015_7099.N1	12-DEC-2006 15:31:50	Straylight	41.500	101	11Alp Lep	2.5820	7000.0	83	25015	No
229	GOM_NL__2PRFIN20061212_153500_000000442053_00412_25015_7100.N1	12-DEC-2006 15:35:00	Straylight	43.500	7	19Bet Ori	0.10000	14000.	87	25015	No
230	GOM_NL__2PRFIN20061212_154227_000000412053_00412_25015_7101.N1	12-DEC-2006 15:42:27	Tw_i_and_stray	41.000	13	87Alp Tau	0.86700	3800.0	82	25015	No
231	GOM_NL__2PRFIN20061212_154430_000000312053_00412_25015_7102.N1	12-DEC-2006 15:44:30	Bright	31.000	146	25Eta Tau	2.8730	15200.	62	25015	No
232	GOM_NL__2PRFIN20061212_154642_000000302053_00412_25015_7103.N1	12-DEC-2006 15:46:42	Bright	29.500	150	44Zet Per	2.8900	28000.	59	25015	No
233	GOM_NL__2PRFIN20061212_154901_000000302053_00412_25015_7104.N1	12-DEC-2006 15:49:01	Bright	29.500	149	45Eps Per	2.8880	30000.	59	25015	No
234	GOM_NL__2PRFIN20061212_155111_000000282053_00412_25015_7105.N1	12-DEC-2006 15:51:11	Bright	28.000	175	39Del Per	3.0100	19400.	56	25015	No
235	GOM_NL__2PRFIN20061212_160253_000000302053_00412_25015_7106.N1	12-DEC-2006 16:02:53	Bright	29.500	49	1Alp UMi	1.9900	6300.0	59	25015	No
236	GOM_NL__2PRFIN20061212_160736_000000312053_00412_25015_7107.N1	12-DEC-2006 16:07:36	Bright	31.000	60	7Bet UMi	2.0810	3950.0	62	25015	No
237	GOM_NL__2PRFIN20061212_161224_000000362053_00412_25015_7108.N1	12-DEC-2006 16:12:24	Bright	36.000	32	77Eps UMa	1.7630	11000.	72	25015	No
238	GOM_NL__2PRFIN20061212_161451_000000342053_00412_25015_7109.N1	12-DEC-2006 16:14:51	Bright	33.500	39	85Eta UMa	1.8540	24000.	67	25015	No
239	GOM_NL__2PRFIN20061212_161804_000000292053_00412_25015_7110.N1	12-DEC-2006 16:18:04	Bright	29.000	180	27Gam Boo	3.0400	8000.0	58	25015	No
240	GOM_NL__2PRFIN20061212_162112_000000292053_00412_25015_7111.N1	12-DEC-2006 16:21:12	Bright	29.000	83		2.3780	11000.	58	25015	No
241	GOM_NL__2PRFIN20061212_162426_000000322053_00412_25015_7112.N1	12-DEC-2006 16:24:26	Bright	32.000	111	8Eta Boo	2.6800	6000.0	64	25015	No
242	GOM_NL__2PRFIN20061212_163403_000000452053_00412_25015_7113.N1	12-DEC-2006 16:34:03	Tw_i_and_stray	45.000	15	67Alp Vir	0.97600	28000.	90	25015	No
243	GOM_NL__2PRFIN20061212_163732_000000382053_00412_25015_7114.N1	12-DEC-2006 16:37:32	Twilight	37.500	169	46Gam Hya	2.9910	4700.0	75	25015	No
244	GOM_NL__2PRFIN20061212_164051_000000342053_00412_25015_7115.N1	12-DEC-2006 16:40:51	Dark	34.000	123	Iot Cen	2.7500	10200.	68	25015	No
245	GOM_NL__2PRFIN20061212_164457_000000362053_00412_25015_7116.N1	12-DEC-2006 16:44:57	Dark	35.500	64	Gam Cen	2.2000	10600.	71	25015	No
246	GOM_NL__2PRFIN20061212_164653_000000422053_00413_25016_7113.N1	12-DEC-2006 16:46:53	Dark	42.000	26	Gam Cru	1.6240	2900.0	84	25016	No
247	GOM_NL__2PRFIN20061212_165012_000000382053_00413_25016_7114.N1	12-DEC-2006 16:50:12	Dark	38.000	113	Mu Vel	2.6920	5000.0	76	25016	No
248	GOM_NL__2PRFIN20061212_165257_000000322053_00413_25016_7115.N1	12-DEC-2006 16:52:57	Dark	31.500	159	Ups Car	2.9200	7200.0	63	25016	No
249	GOM_NL__2PRFIN20061212_165412_000000352053_00413_25016_7116.N1	12-DEC-2006 16:54:12	Dark	34.500	71	Iot Car	2.2460	7700.0	69	25016	No
250	GOM_NL__2PRFIN20061212_165848_000000442053_00413_25016_7117.N1	12-DEC-2006 16:58:48	Dark	43.500	34	Gam2Vel	1.7930	23000.	87	25016	No
251	GOM_NL__2PRFIN20061212_170111_000000462053_00413_25016_7118.N1	12-DEC-2006 17:01:11	Dark	45.500	2	Alp Car	-0.73600	7000.0	91	25016	No

### 3. Quality information per product

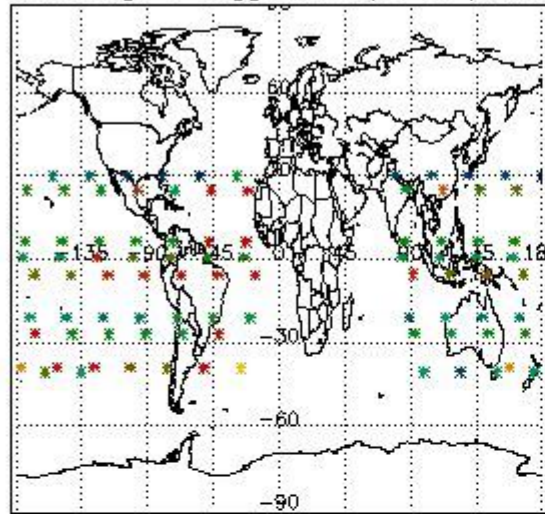
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

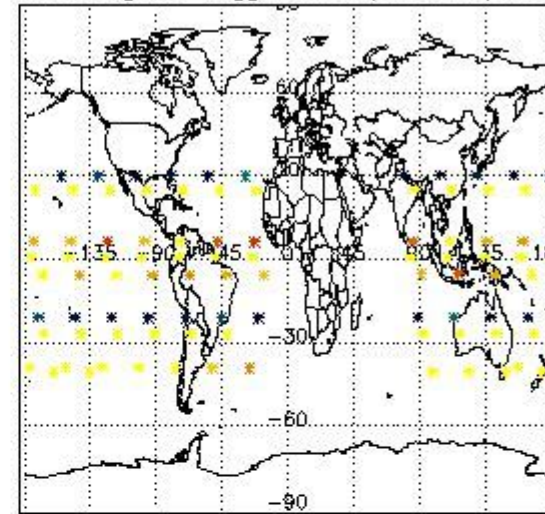


3.2 Plot quality information per product (world map)

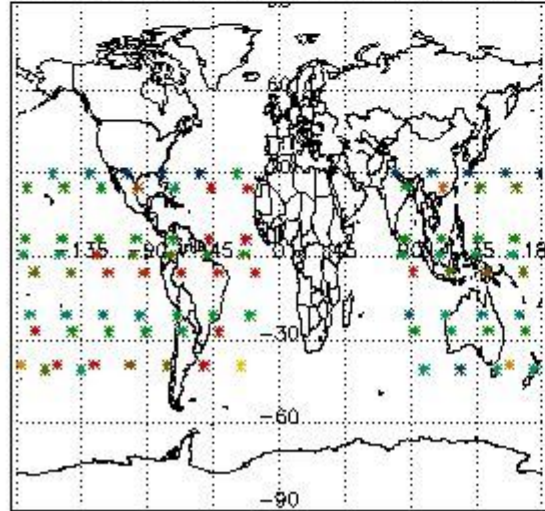
Percentage of flagged data per O3 profile



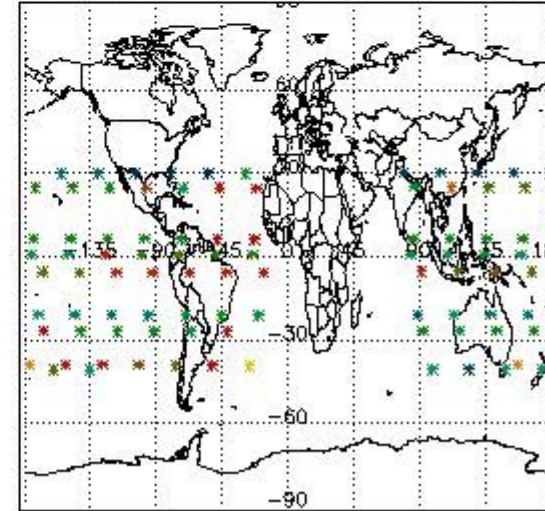
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

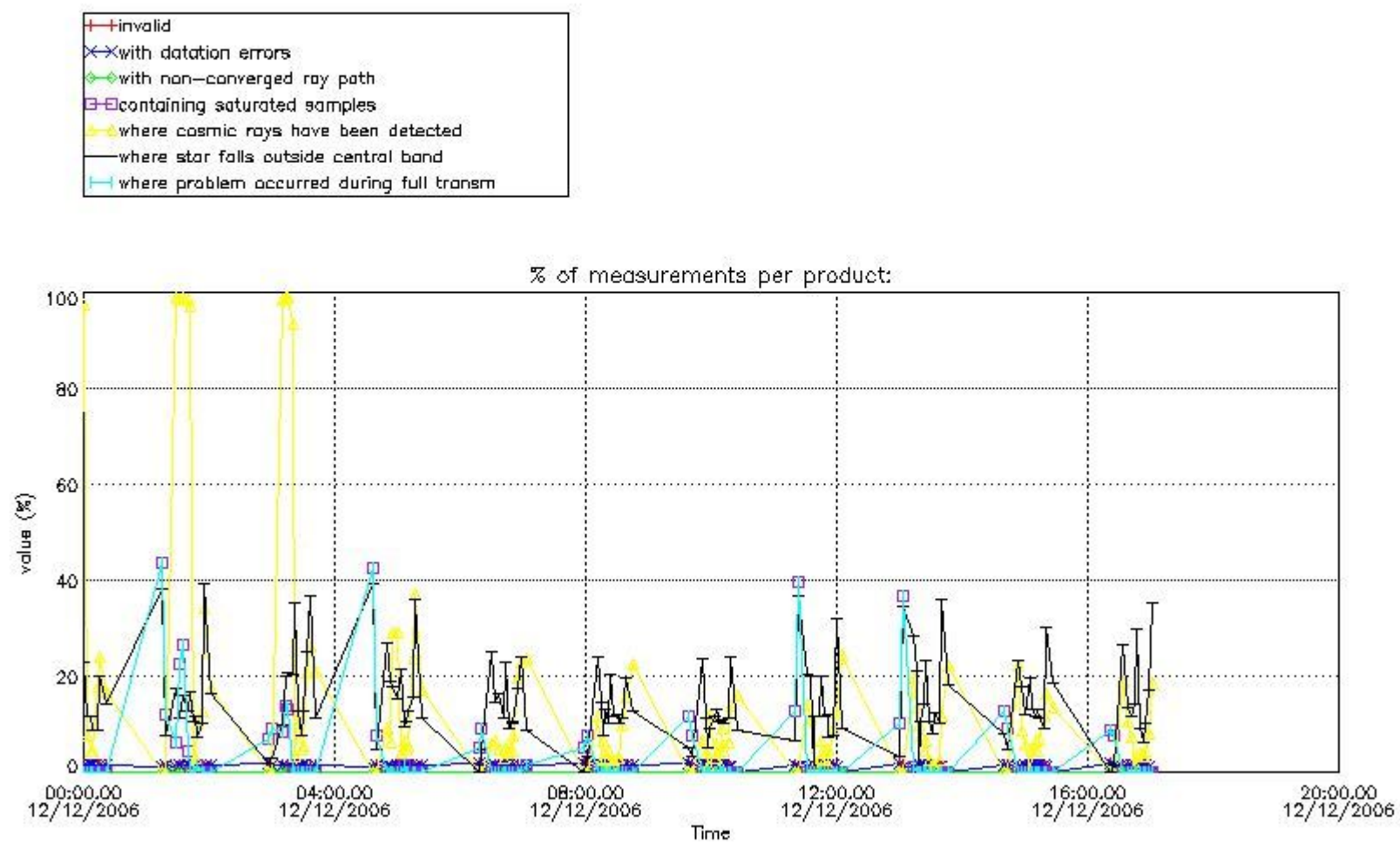


#### 4. Level 1 quality information per product

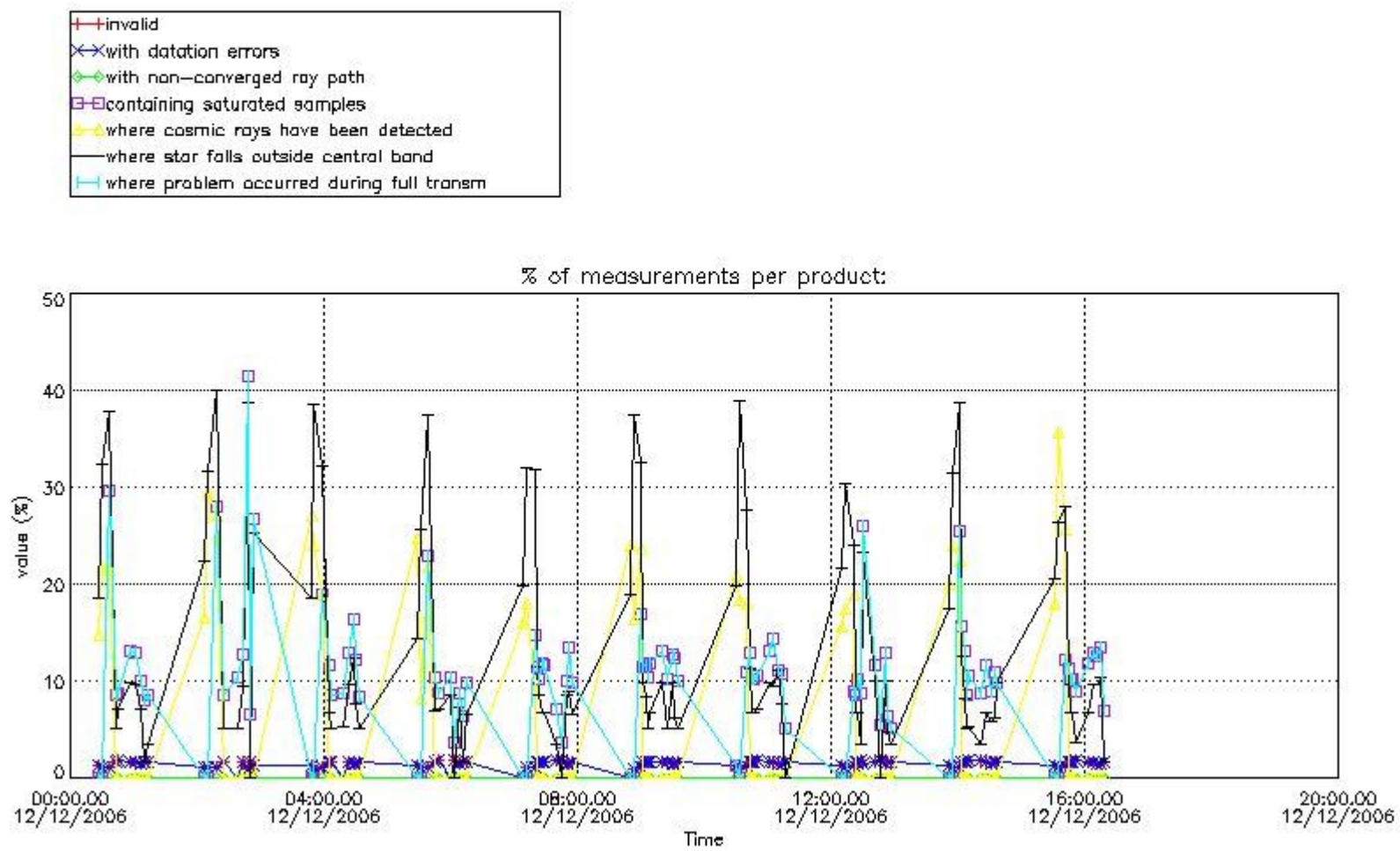
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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

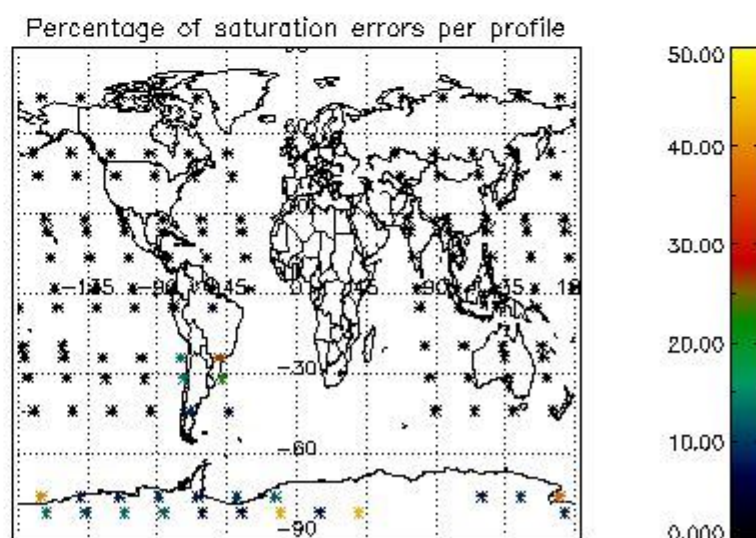
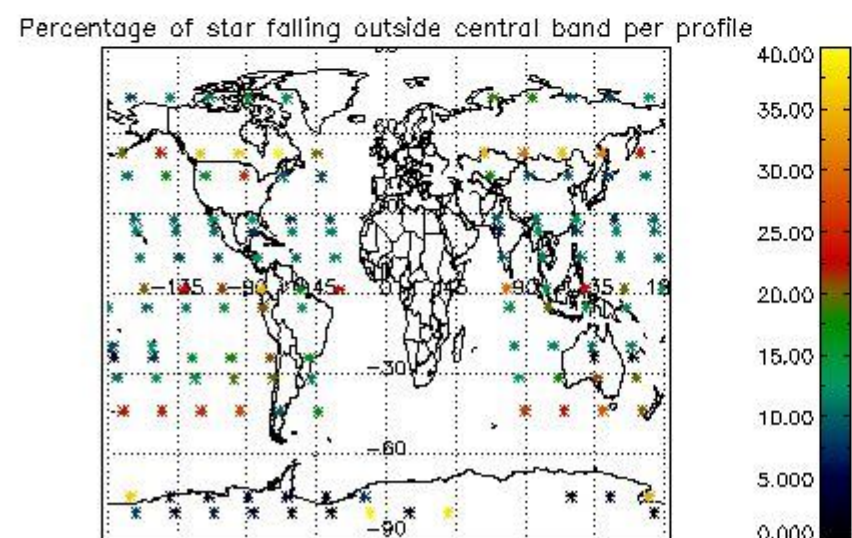
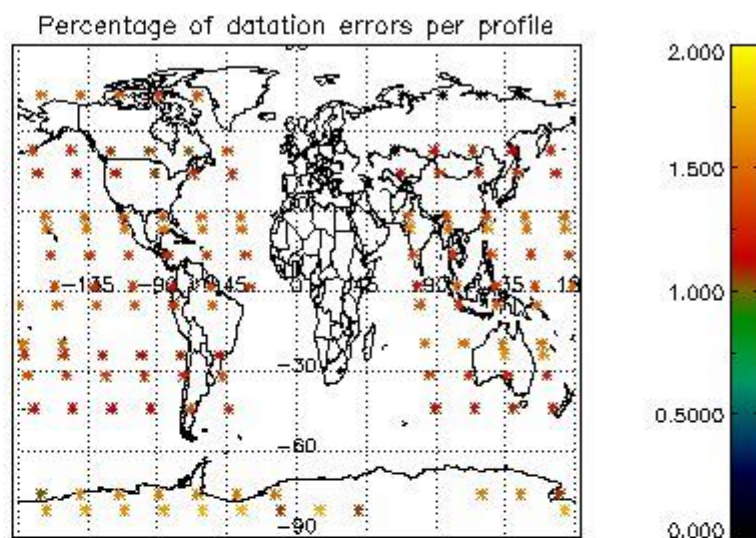
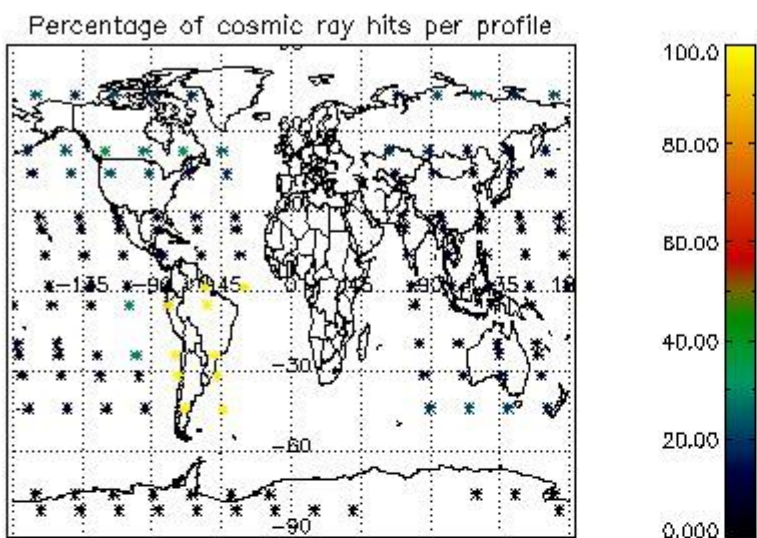


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes



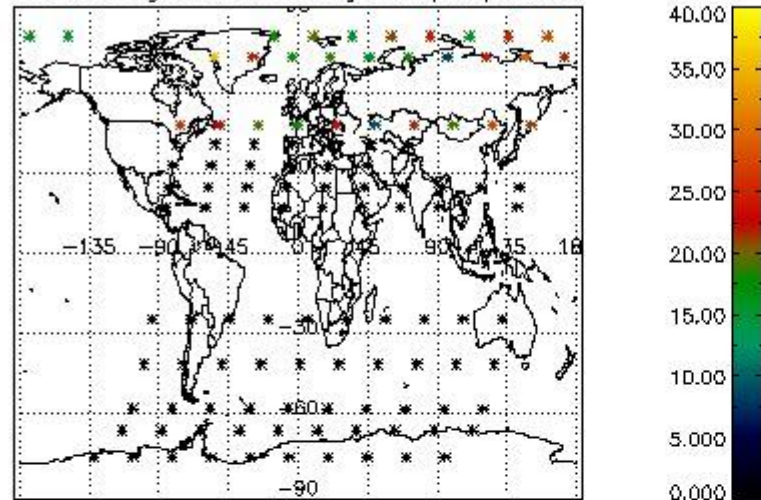
#### 4.2 Plot quality information per product coming from level 1b processing (world map)

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

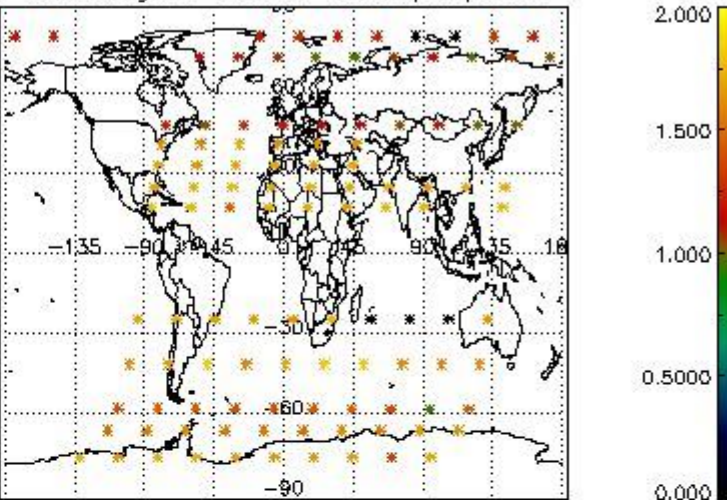


4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes

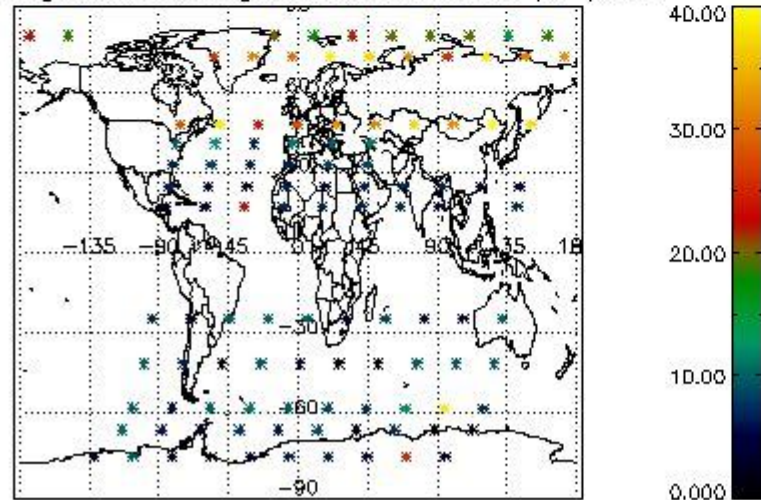
Percentage of cosmic ray hits per profile



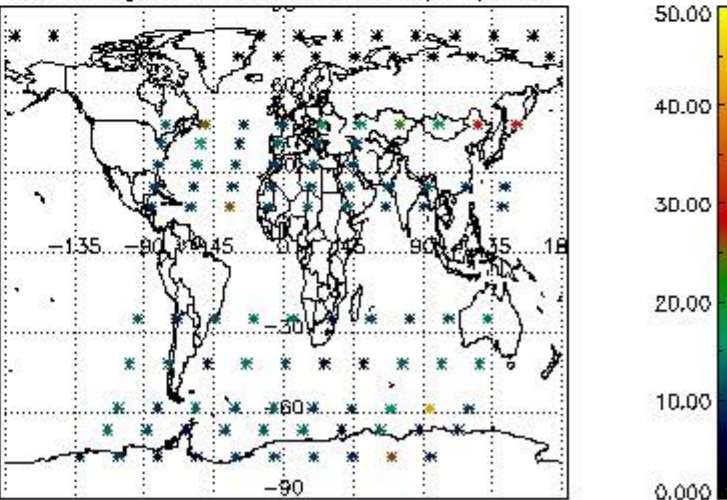
Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/o3\_std of the level 2 products. The table below shows the statistics for given STD ranges.

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

- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

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

- Products in dark limb illumination condition: GOM\_NL\_\_2P/NL\_SUMMARY\_QUALITY/obs\_ill\_cond=0
- Products without fatal errors: GOM\_NL\_\_2P/MPH/PRODUCT\_ERR=0
- Valid point profile: GOM\_NL\_\_2P/NL\_LOCAL\_SPECIES\_DENSITY/pcd(0)=0

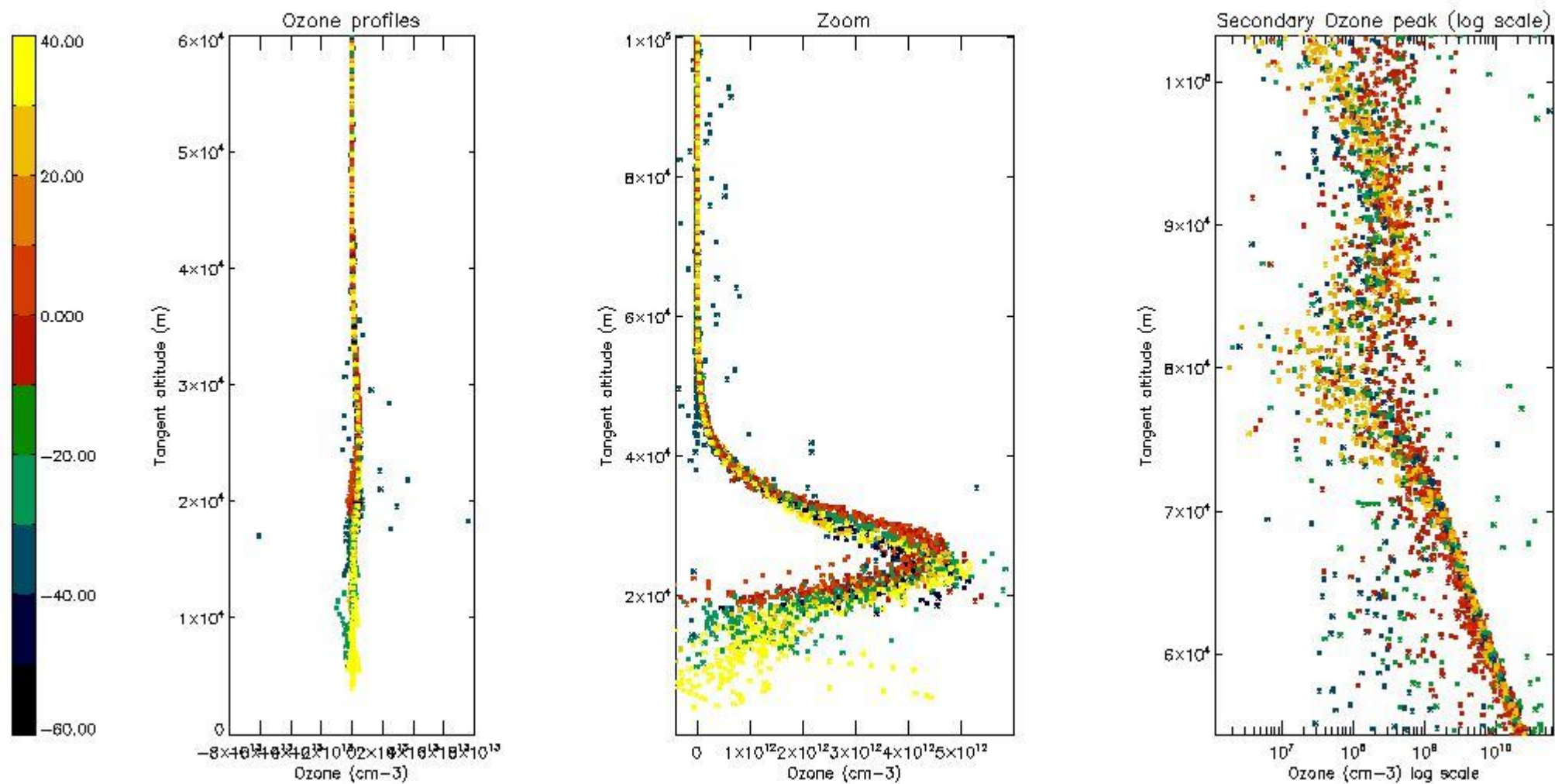
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	37
STD < 20	19

STD < 10	14
STD < 5	7

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

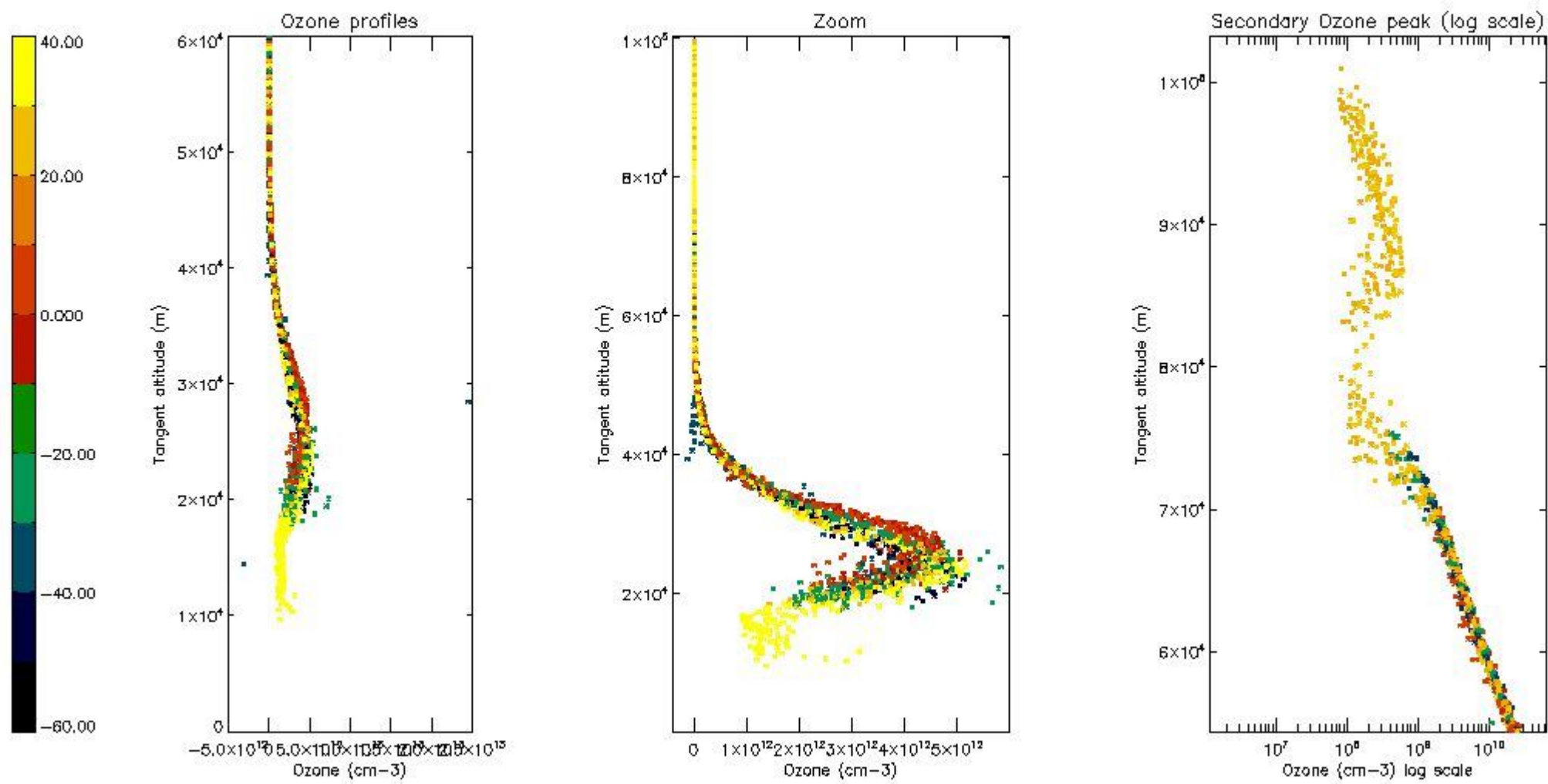
The colorbar represents the latitude.



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

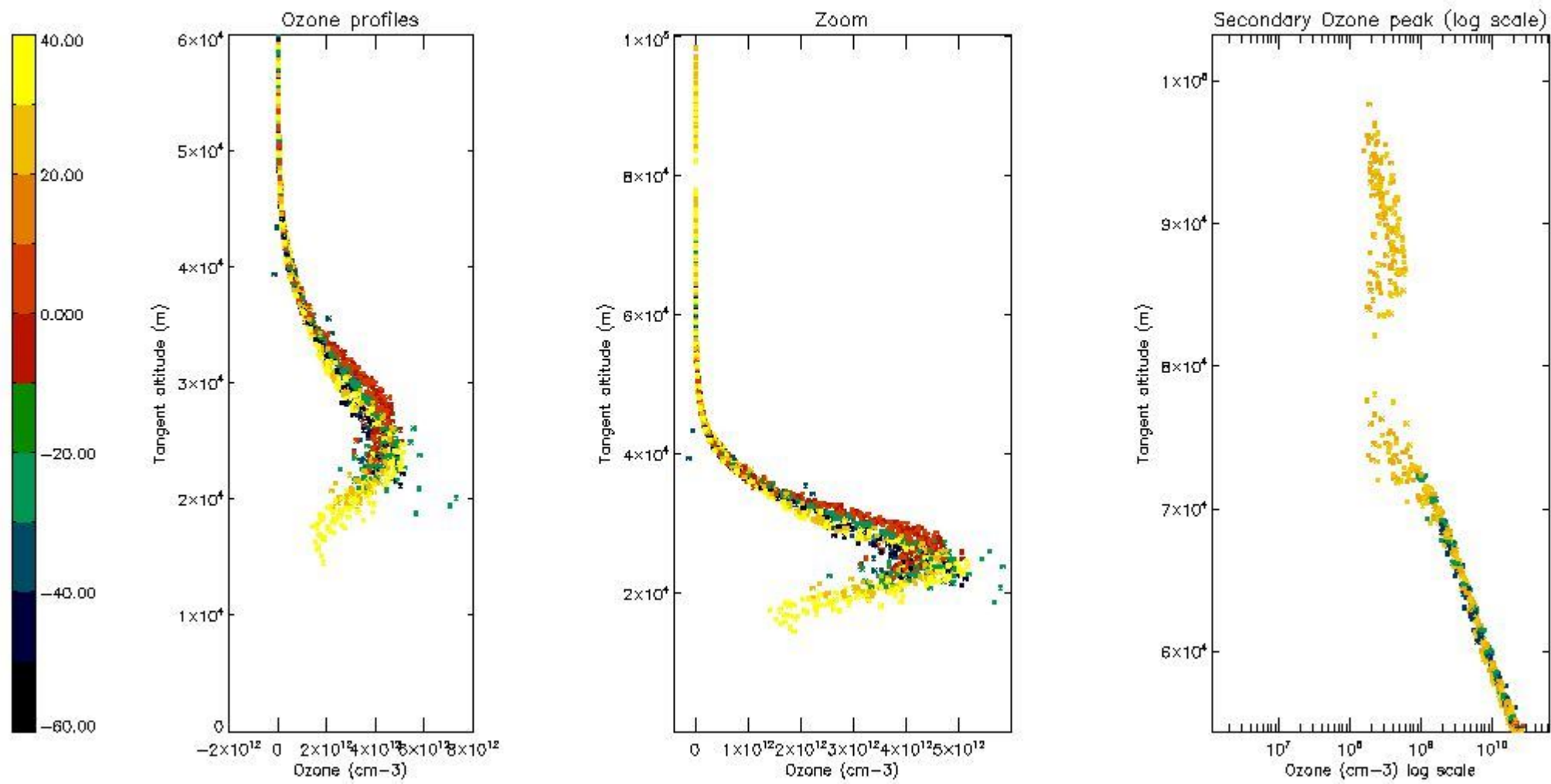
The colorbar represents the latitude.





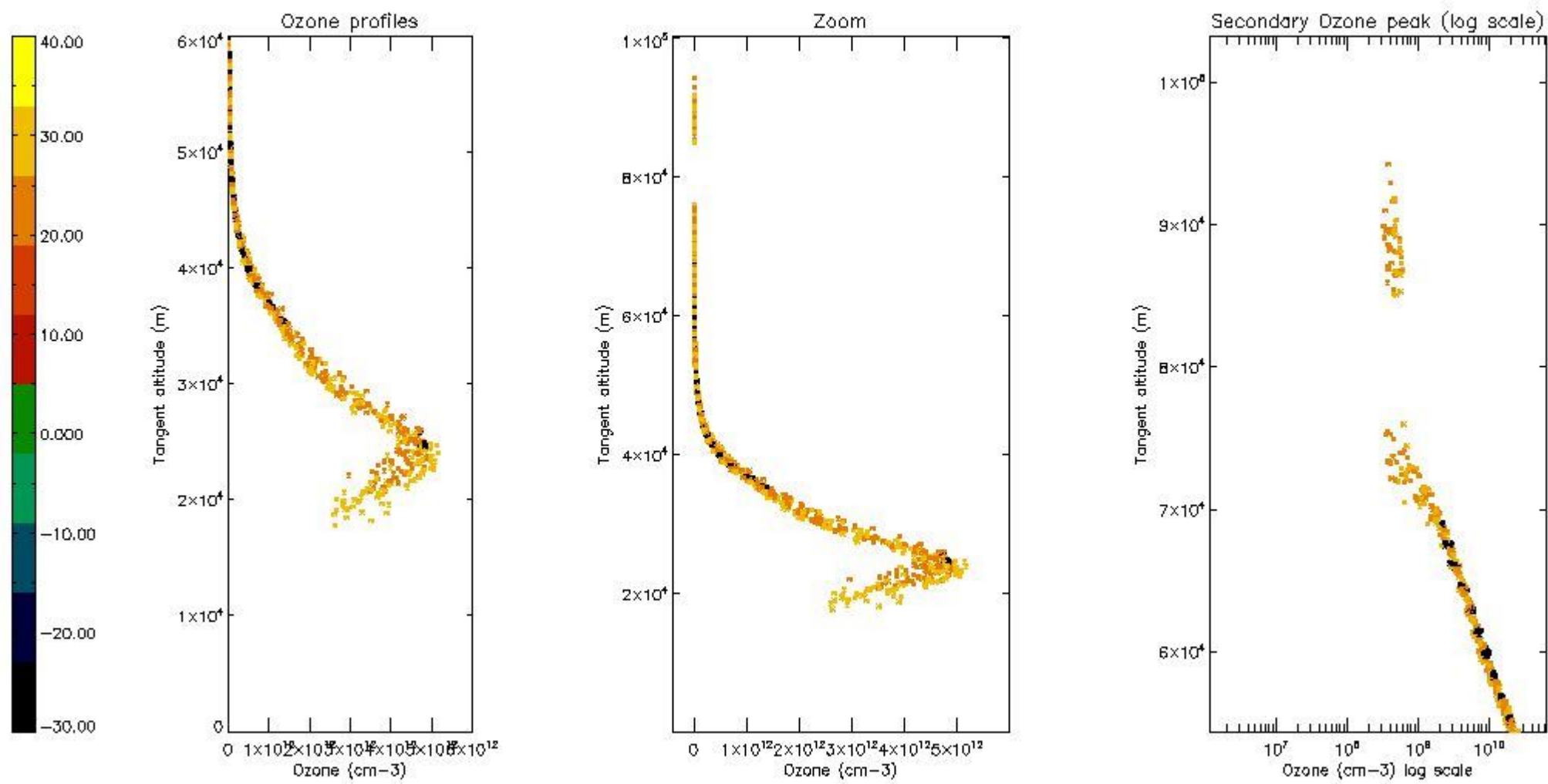
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



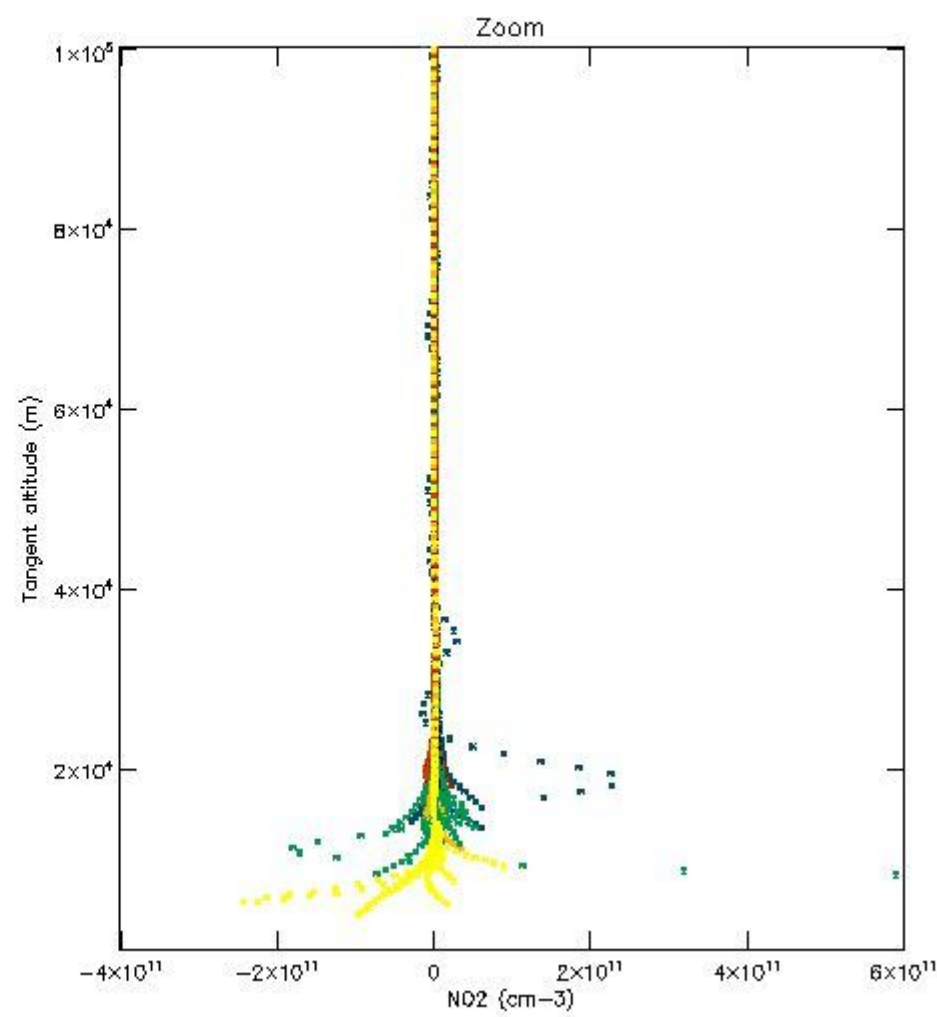
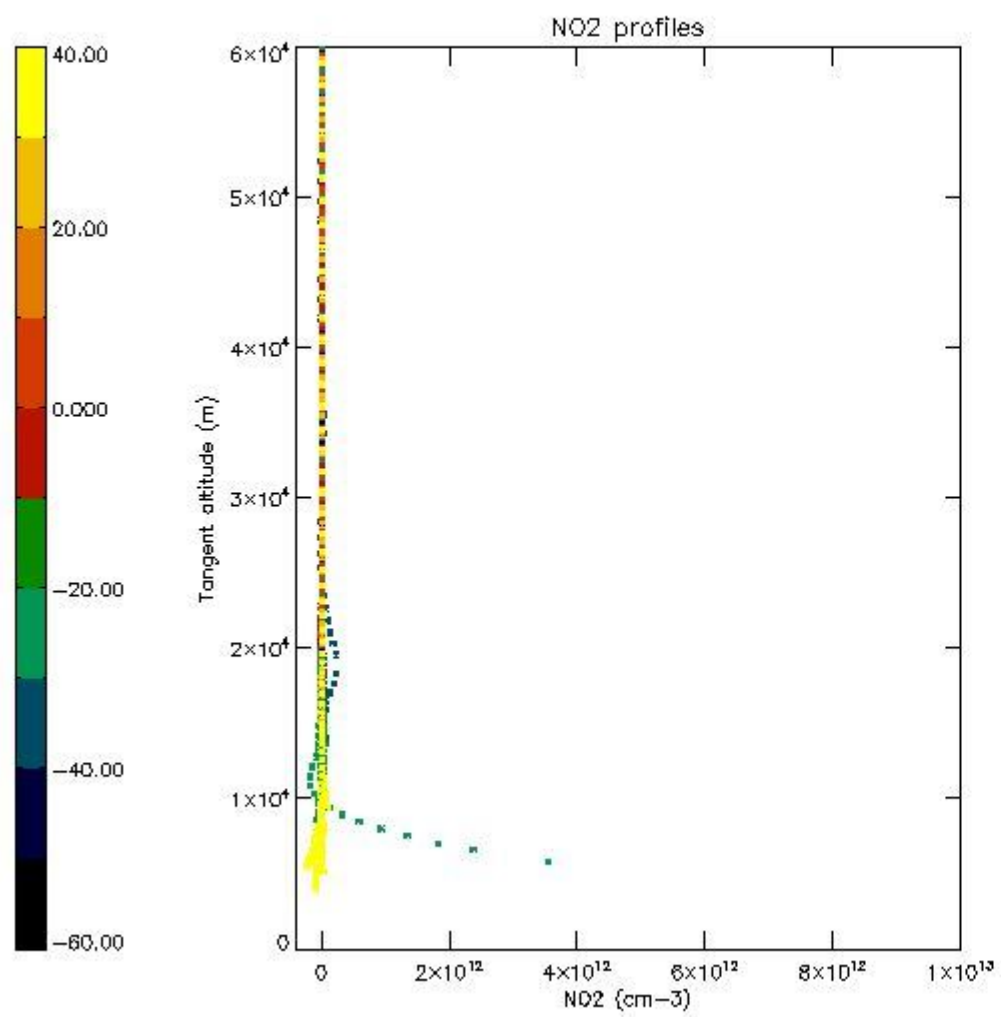
*5.5 Plot ozone profiles where STD < 5% (dark without errors)*

The colorbar represents the latitude.



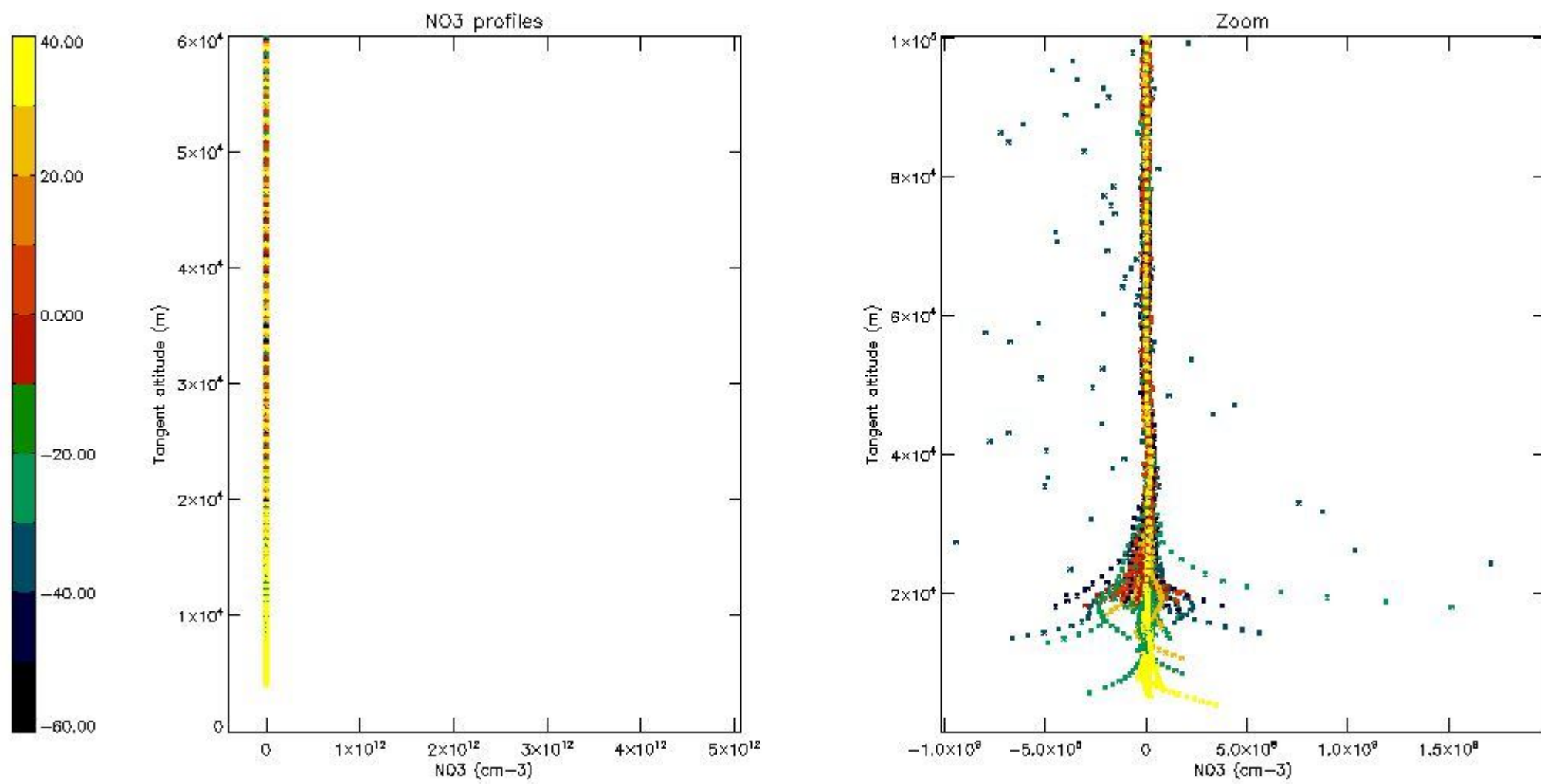
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



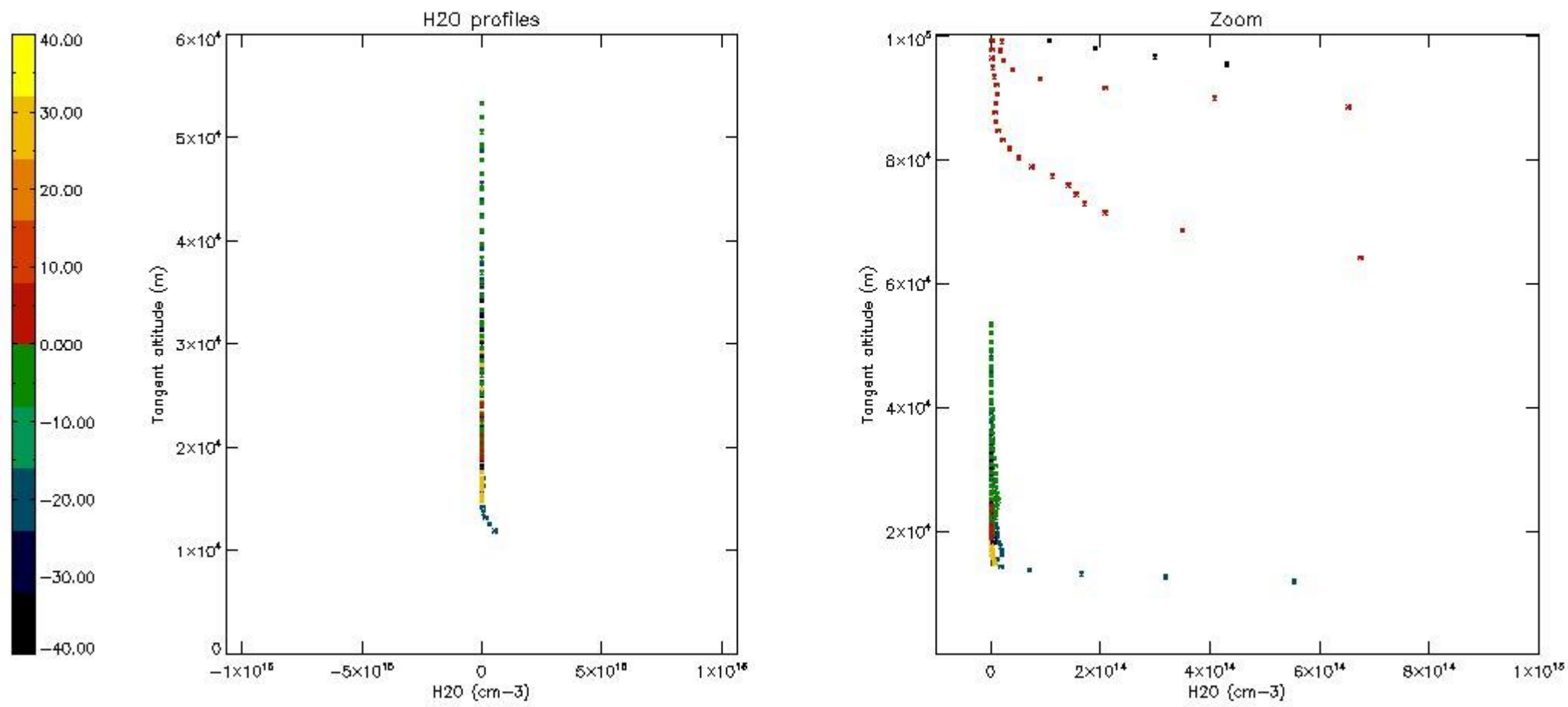
*5.7 Plot NO3 profiles for all STD (dark without errors)*

The colorbar represents the latitude.



5.8 Plot H<sub>2</sub>O profiles for all STD (only for occultations of stars 1,2,3,4,13,14,16,26,63 dark without errors)

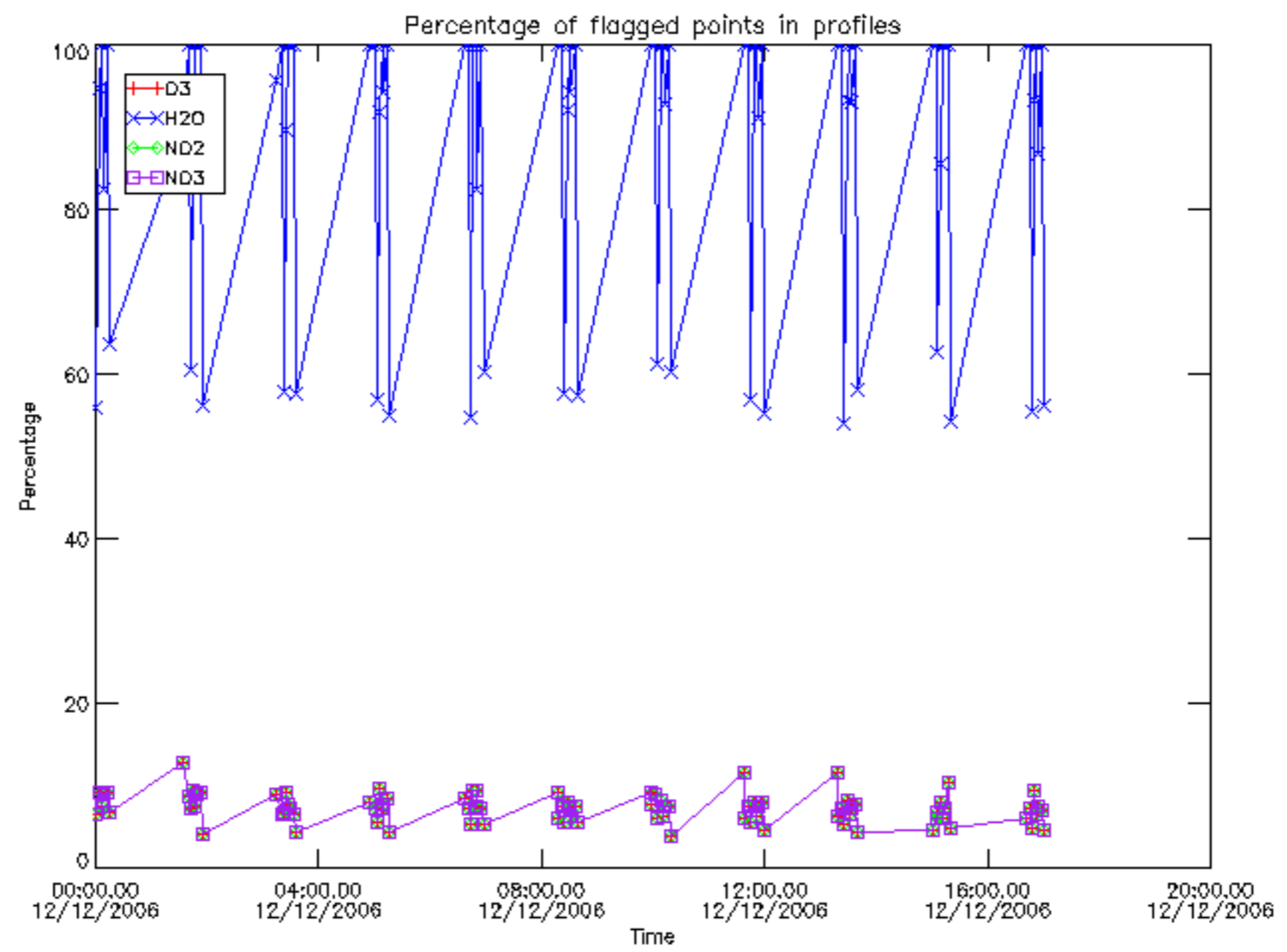
The colorbar represents the latitude.



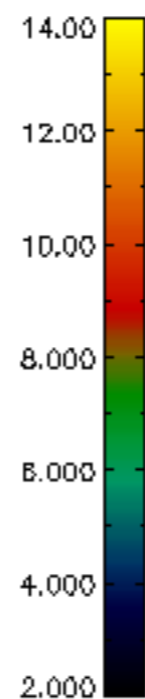
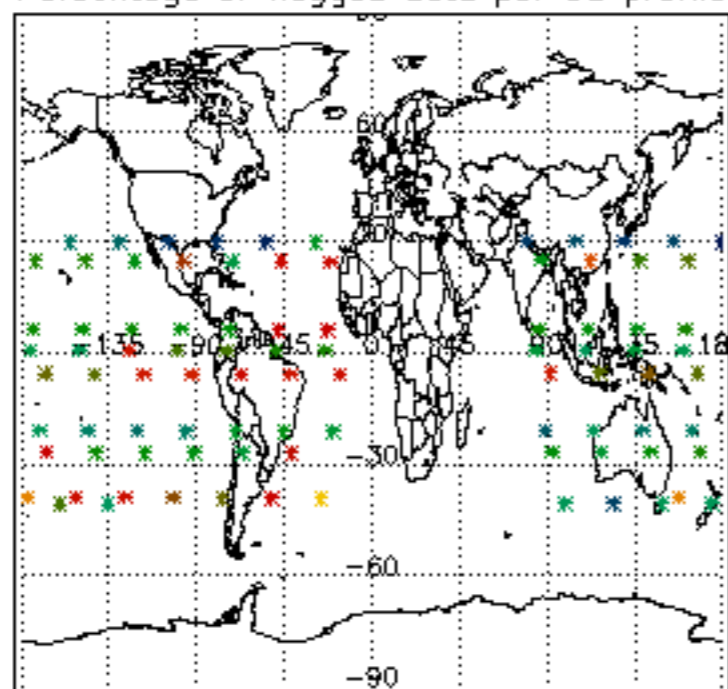
## 6. Auxiliary Data Files used for the production reported in section 2

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

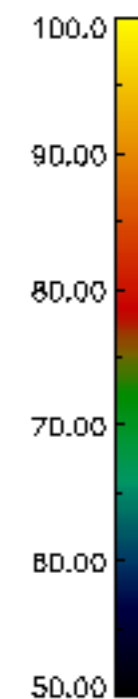
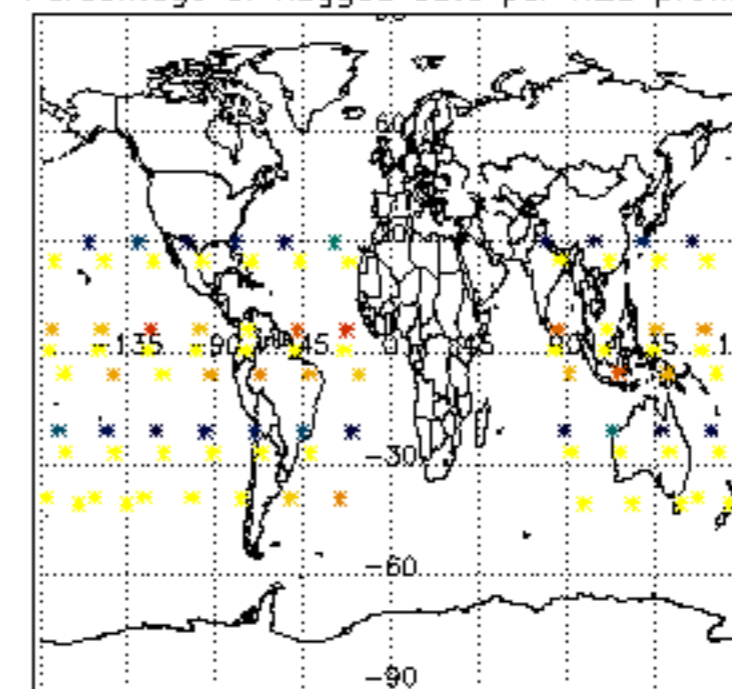
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	12-DEC-2006 00:00:49
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	12-DEC-2006 00:00:49
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	12-DEC-2006 00:00:49



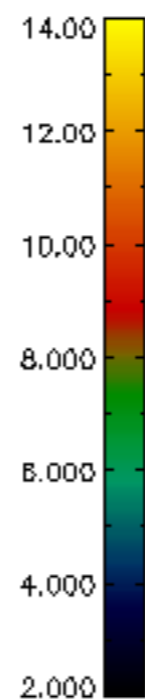
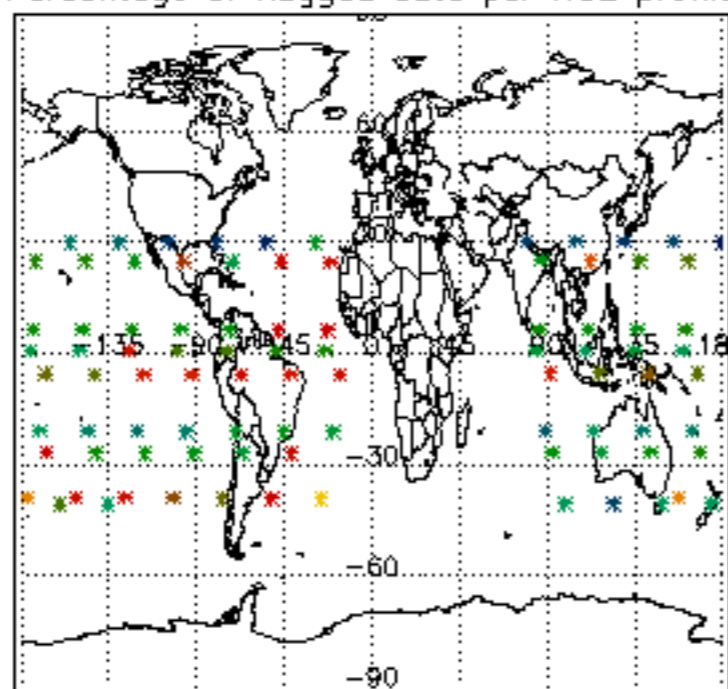
Percentage of flagged data per D3 profile



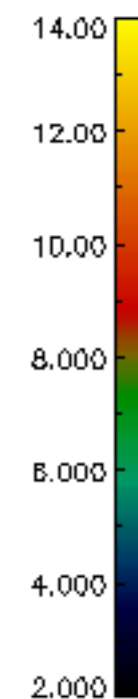
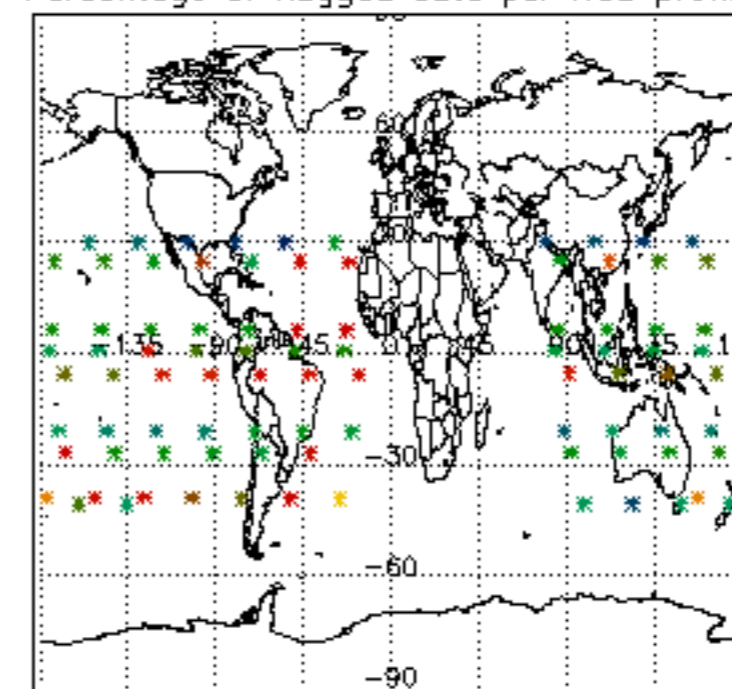
Percentage of flagged data per H2O profile



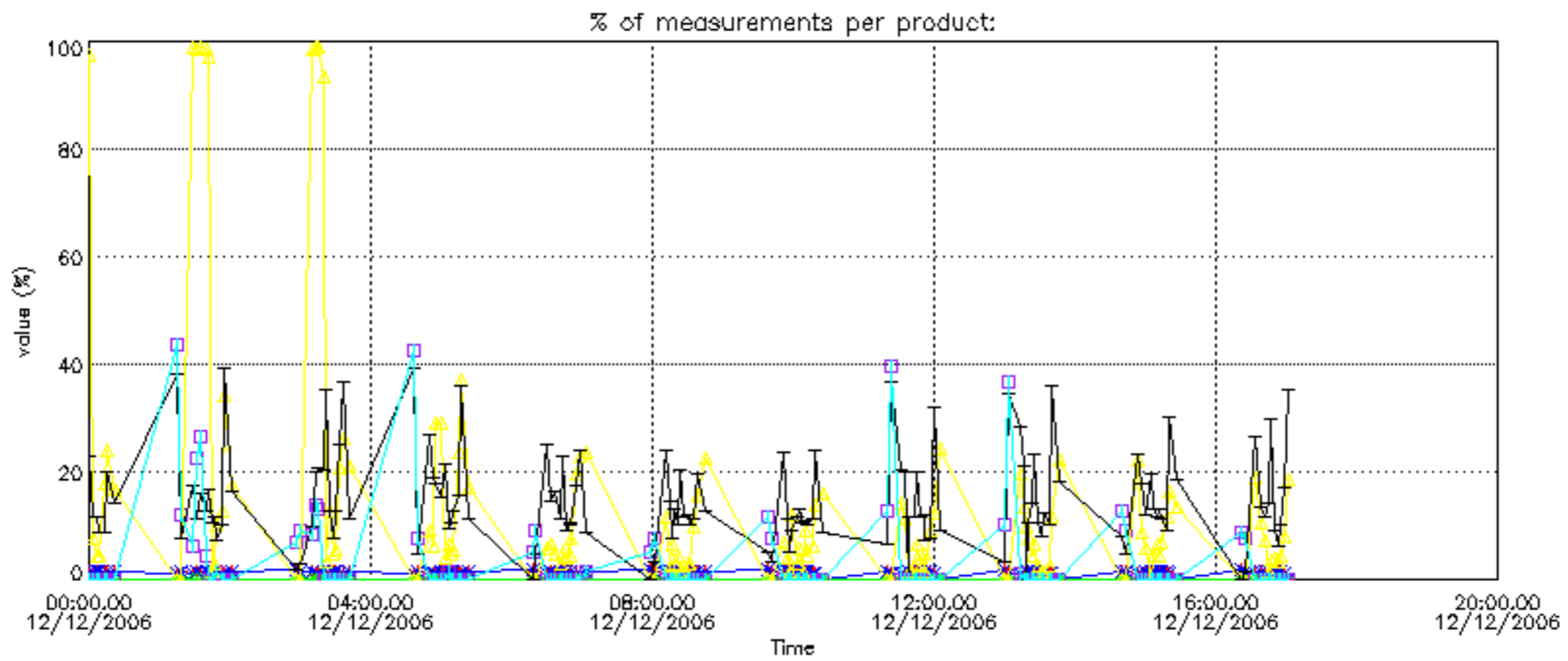
Percentage of flagged data per NO2 profile

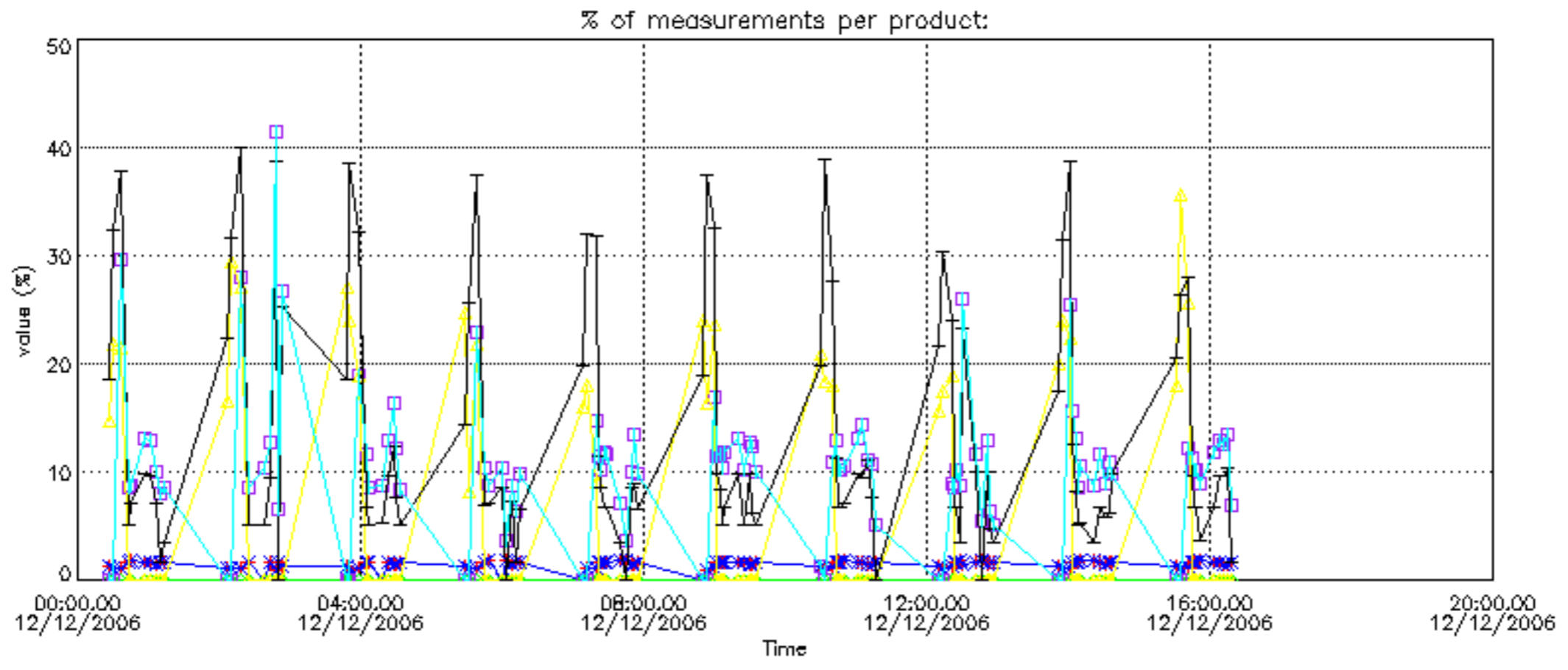


Percentage of flagged data per NO3 profile

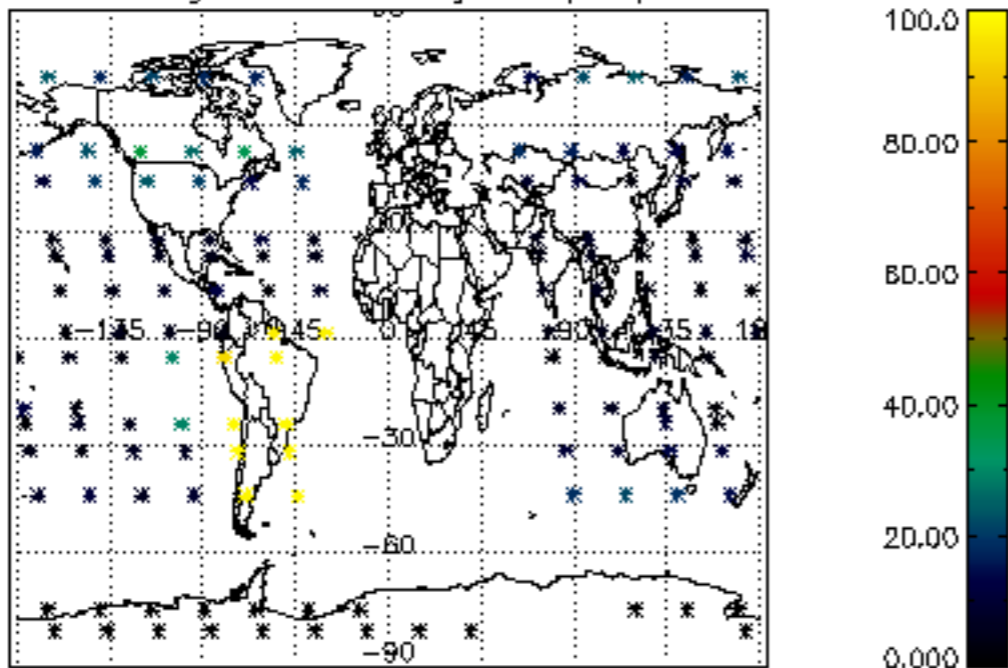




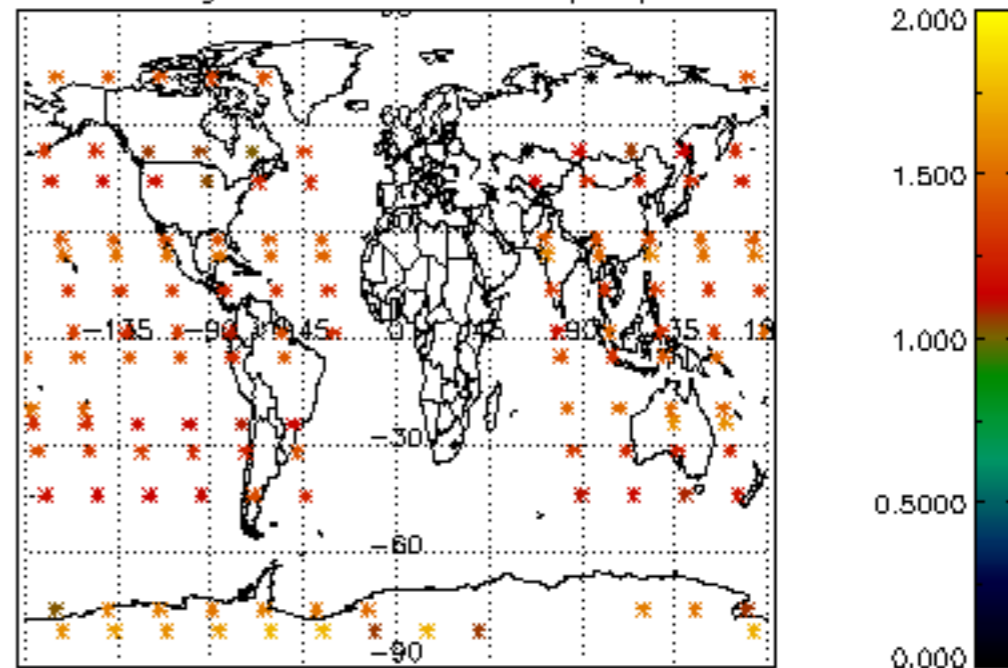




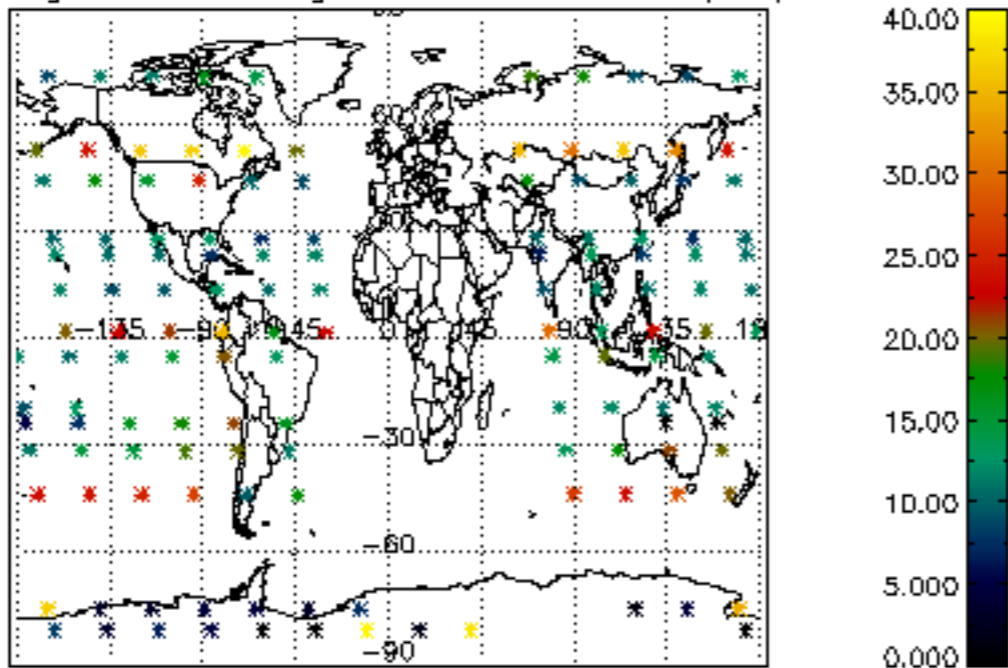
Percentage of cosmic ray hits per profile



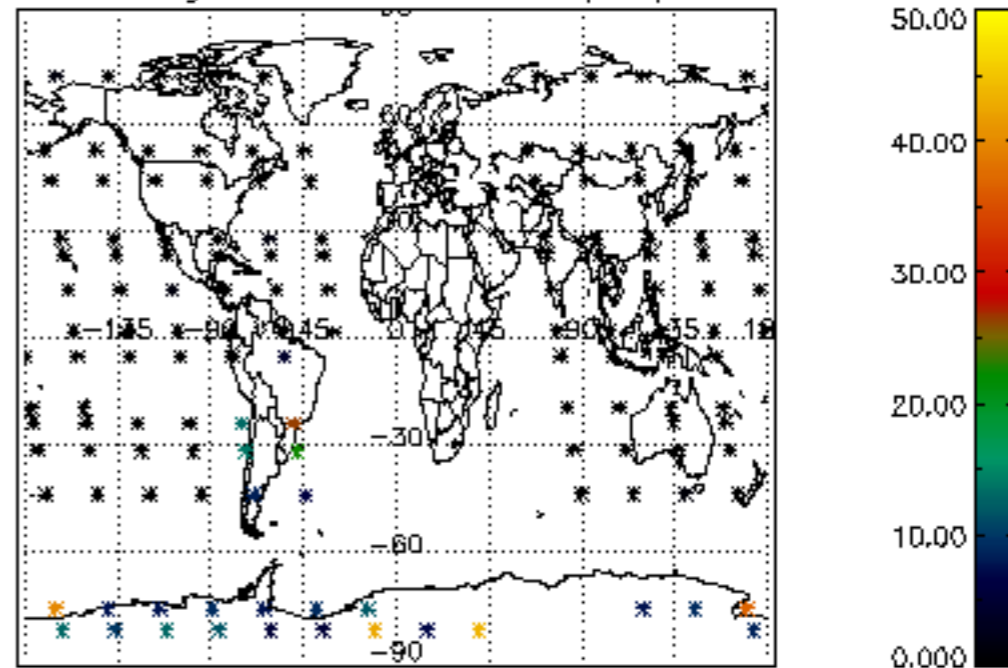
Percentage of datation errors per profile



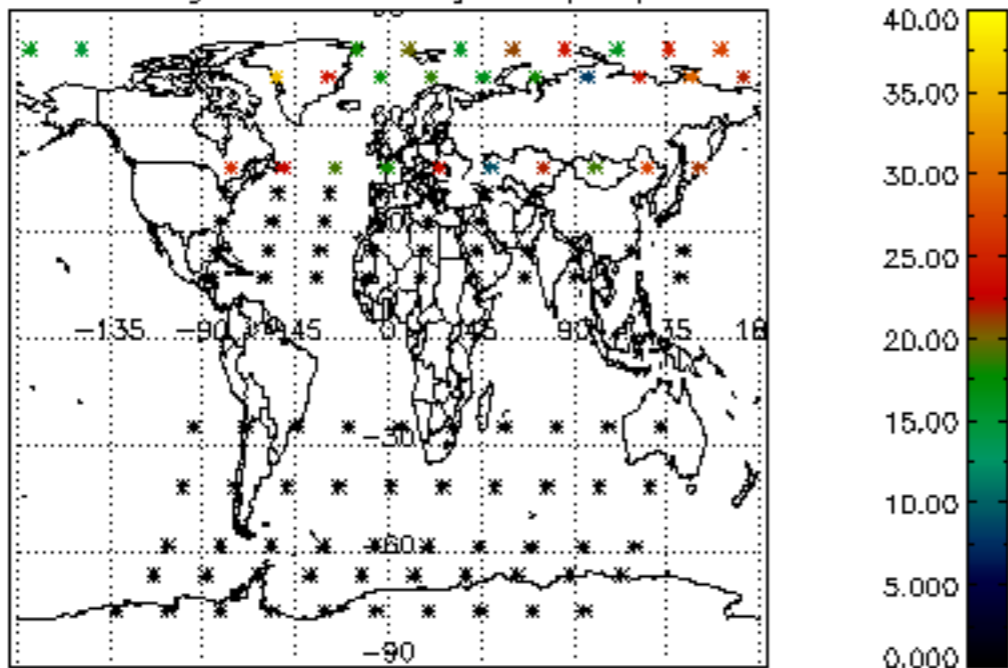
Percentage of star falling outside central band per profile



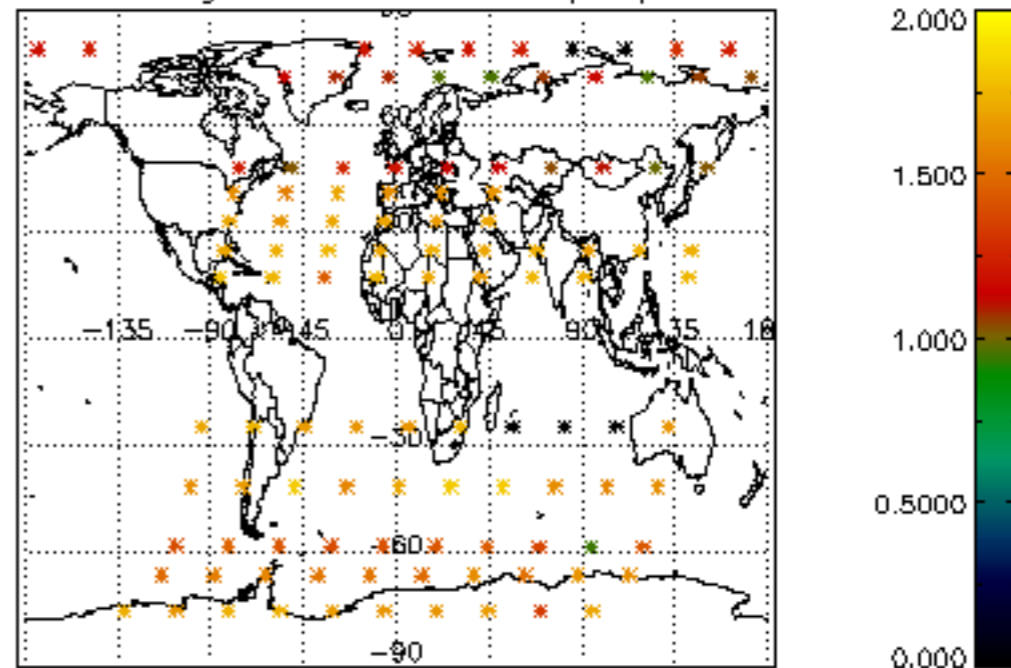
Percentage of saturation errors per profile



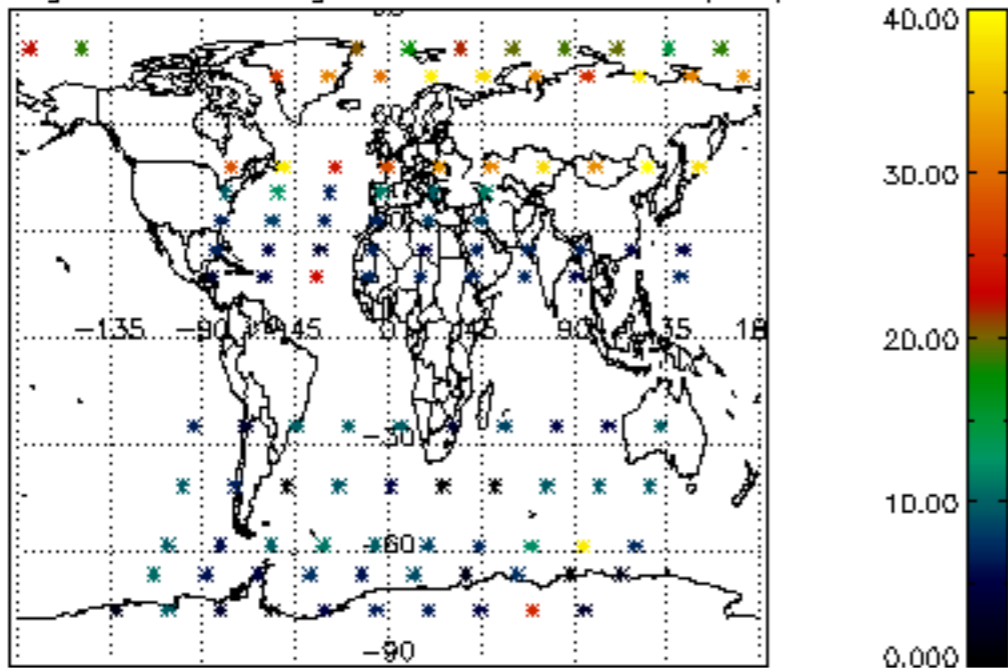
Percentage of cosmic ray hits per profile



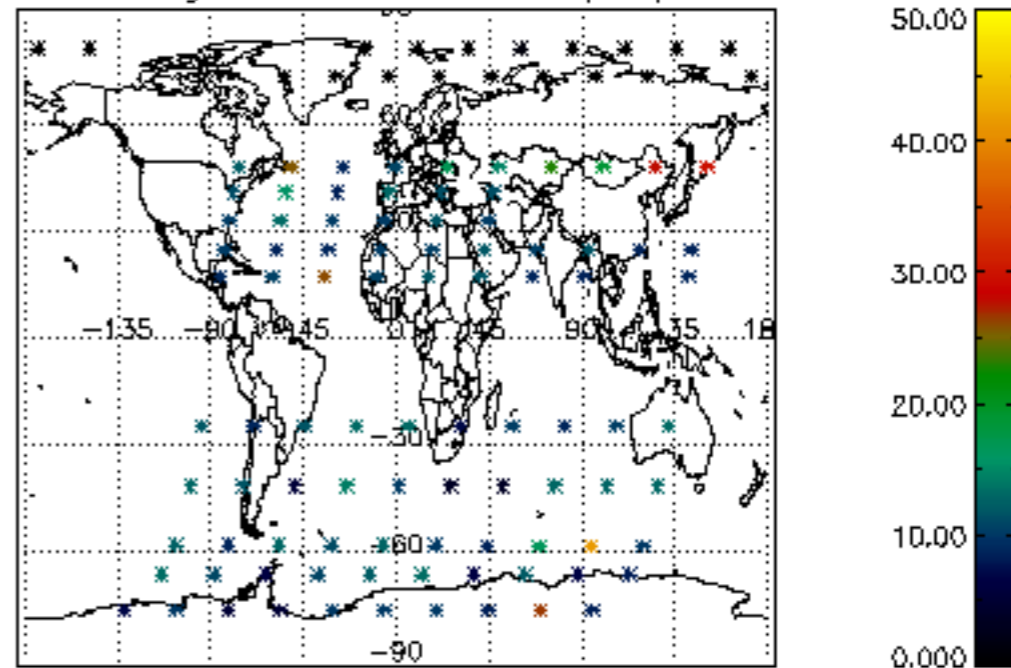
Percentage of datation errors per profile

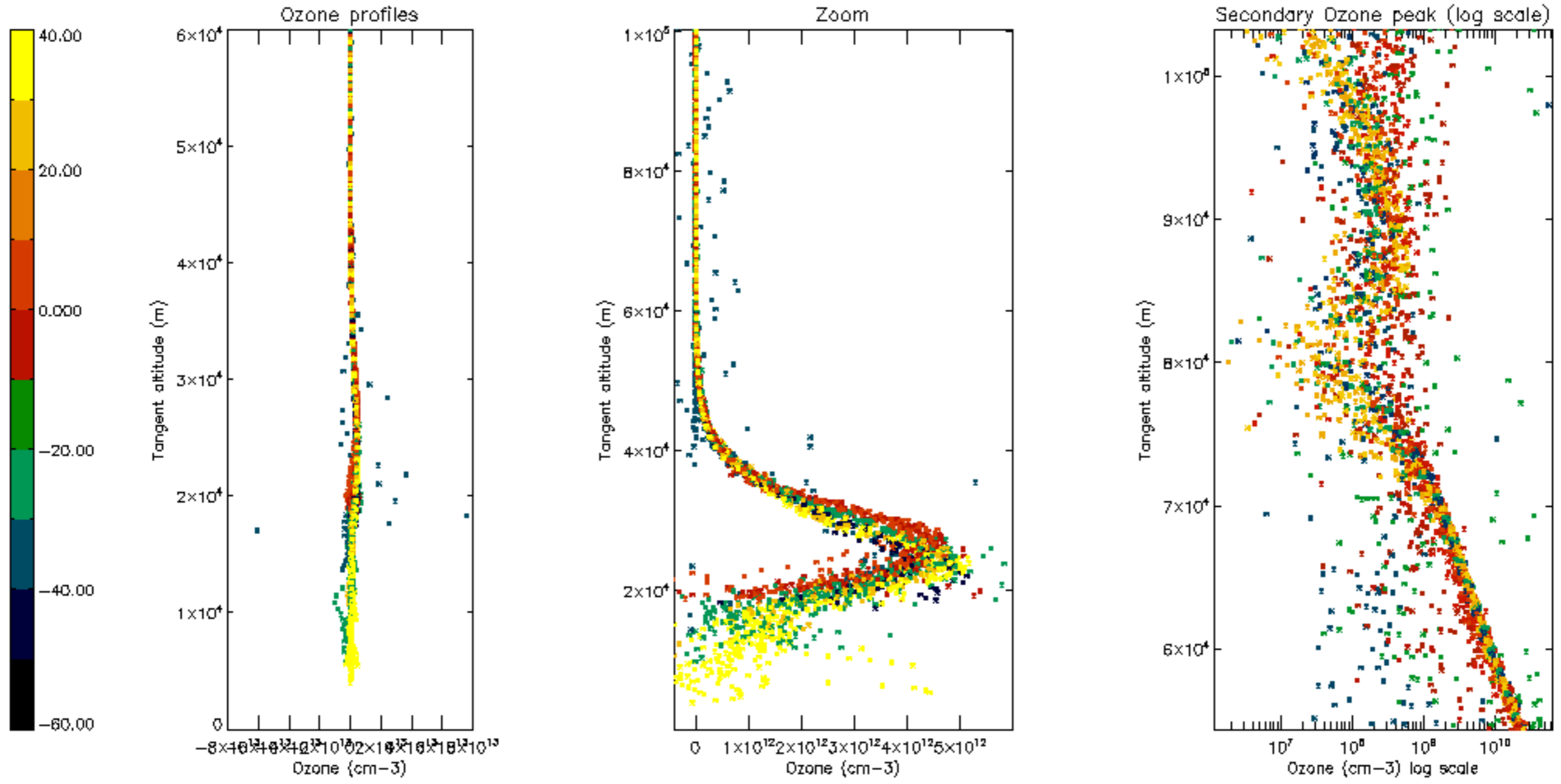


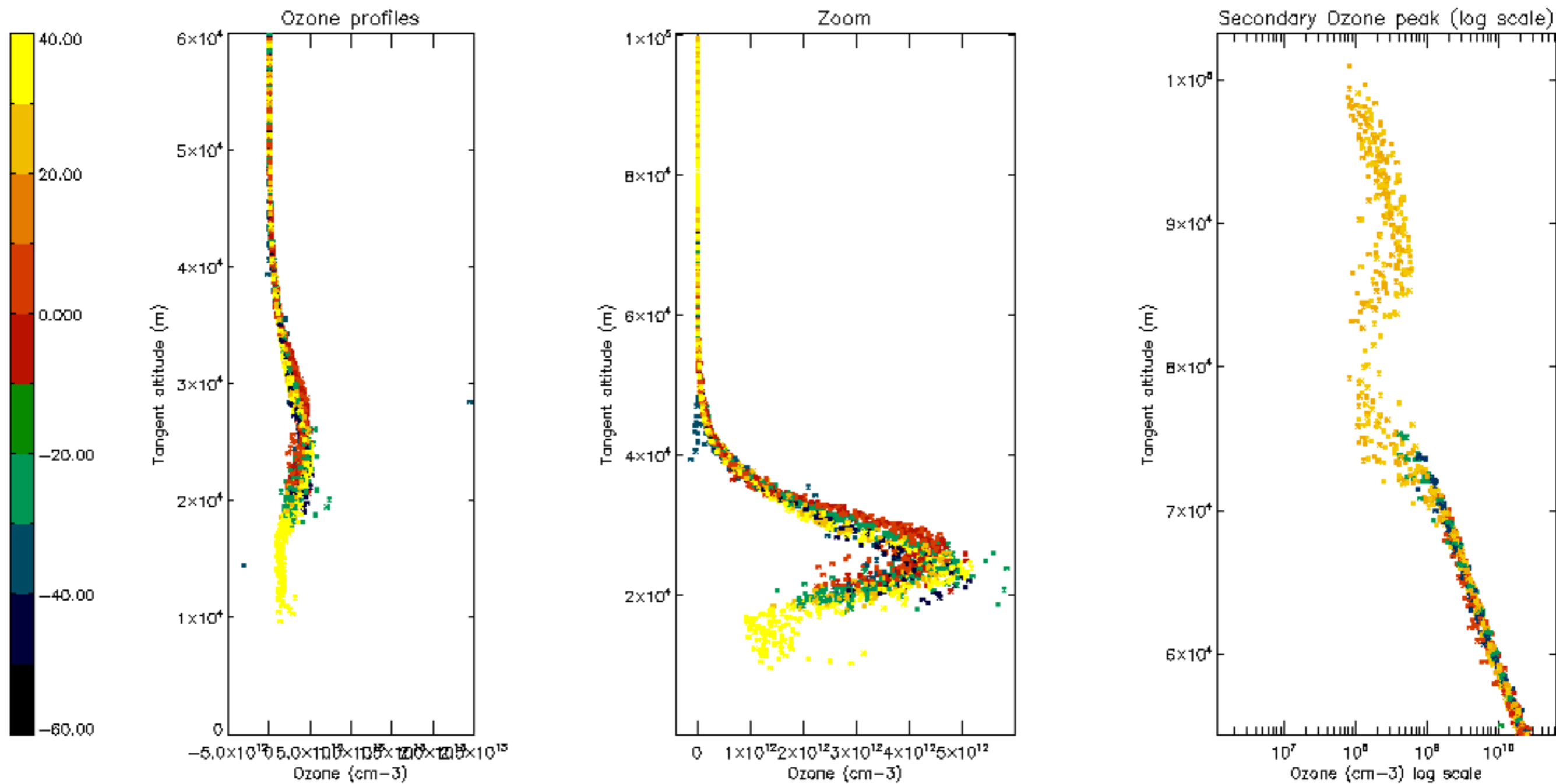
Percentage of star falling outside central band per profile

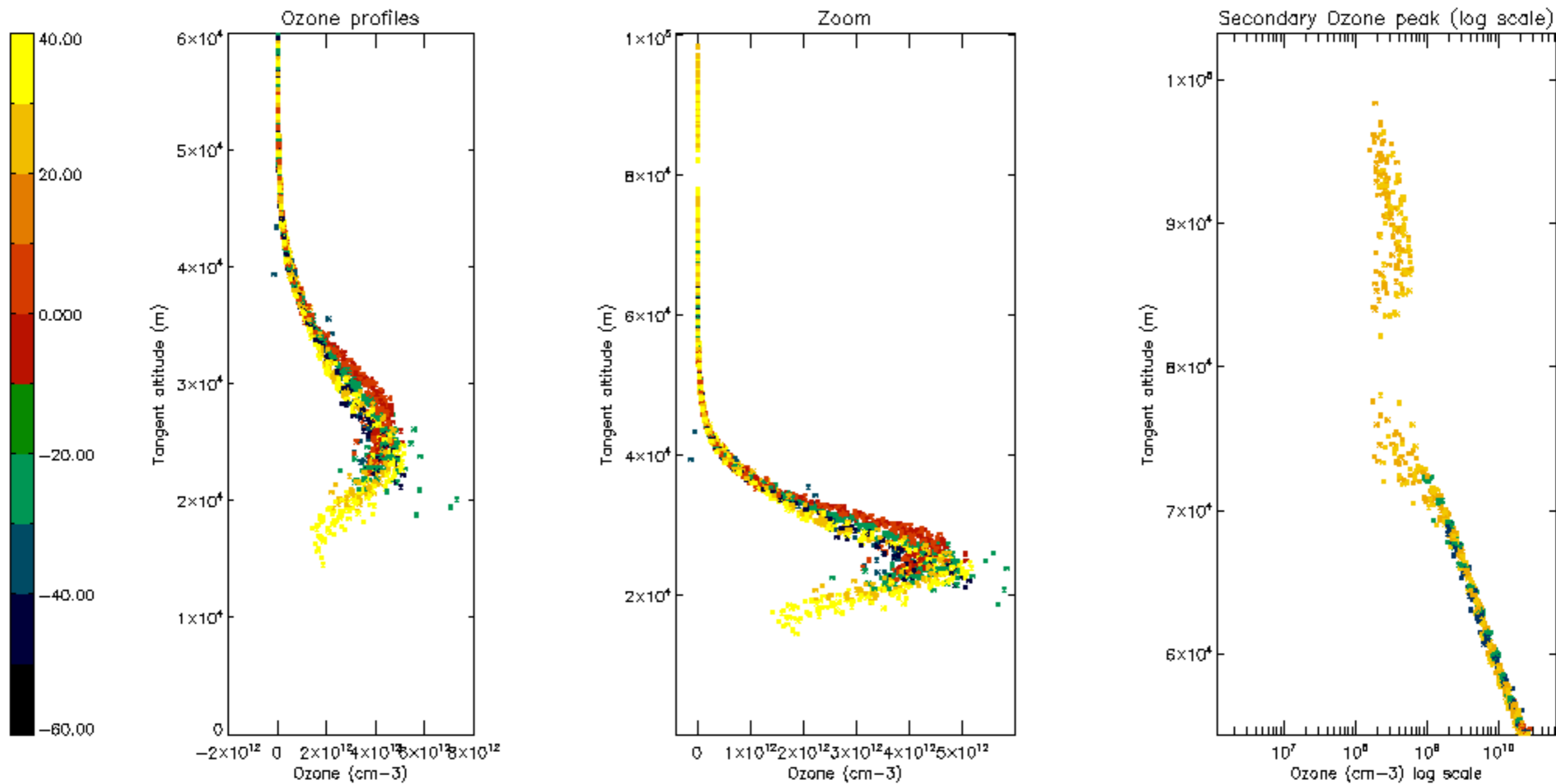


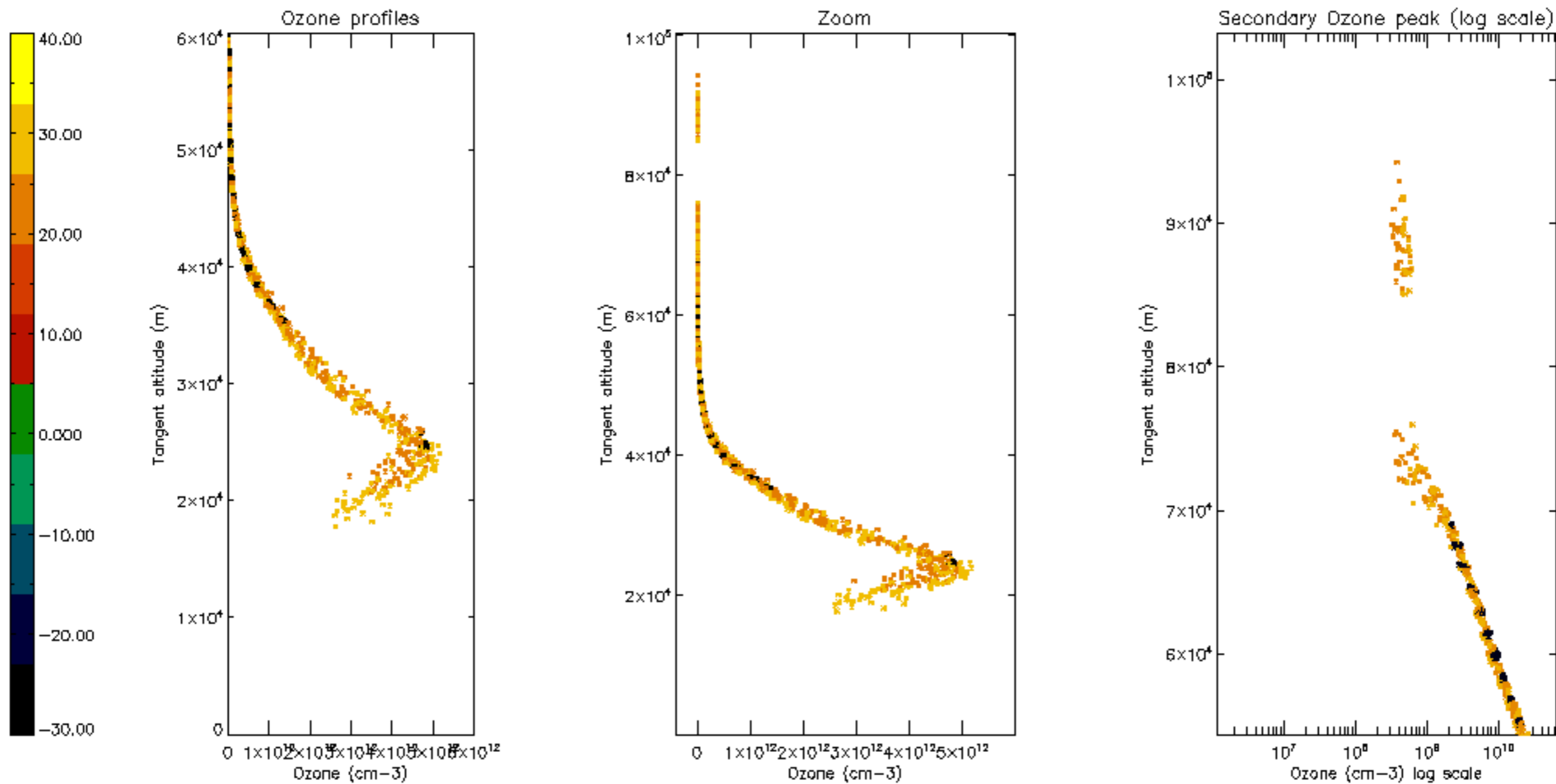
Percentage of saturation errors per profile



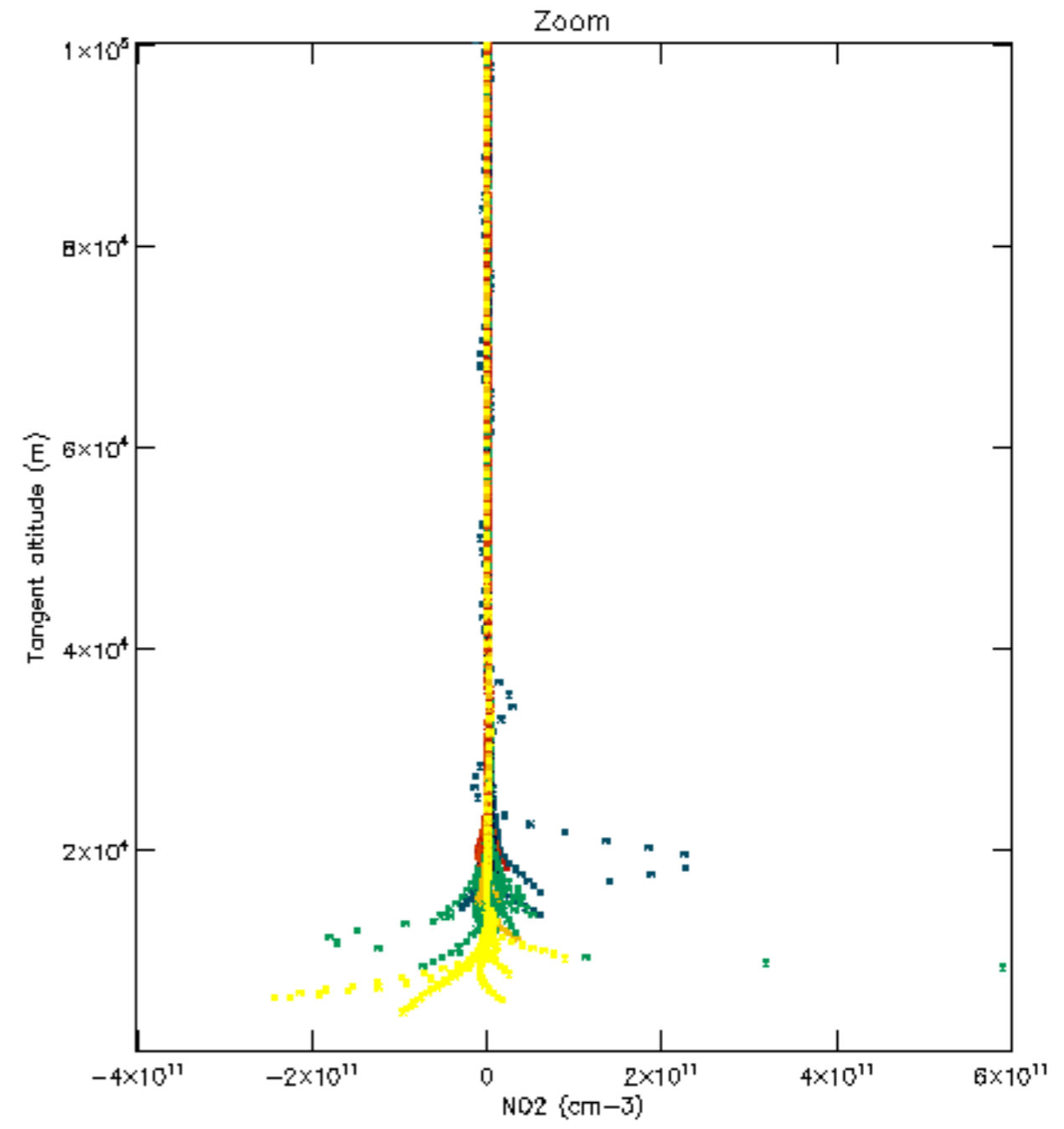
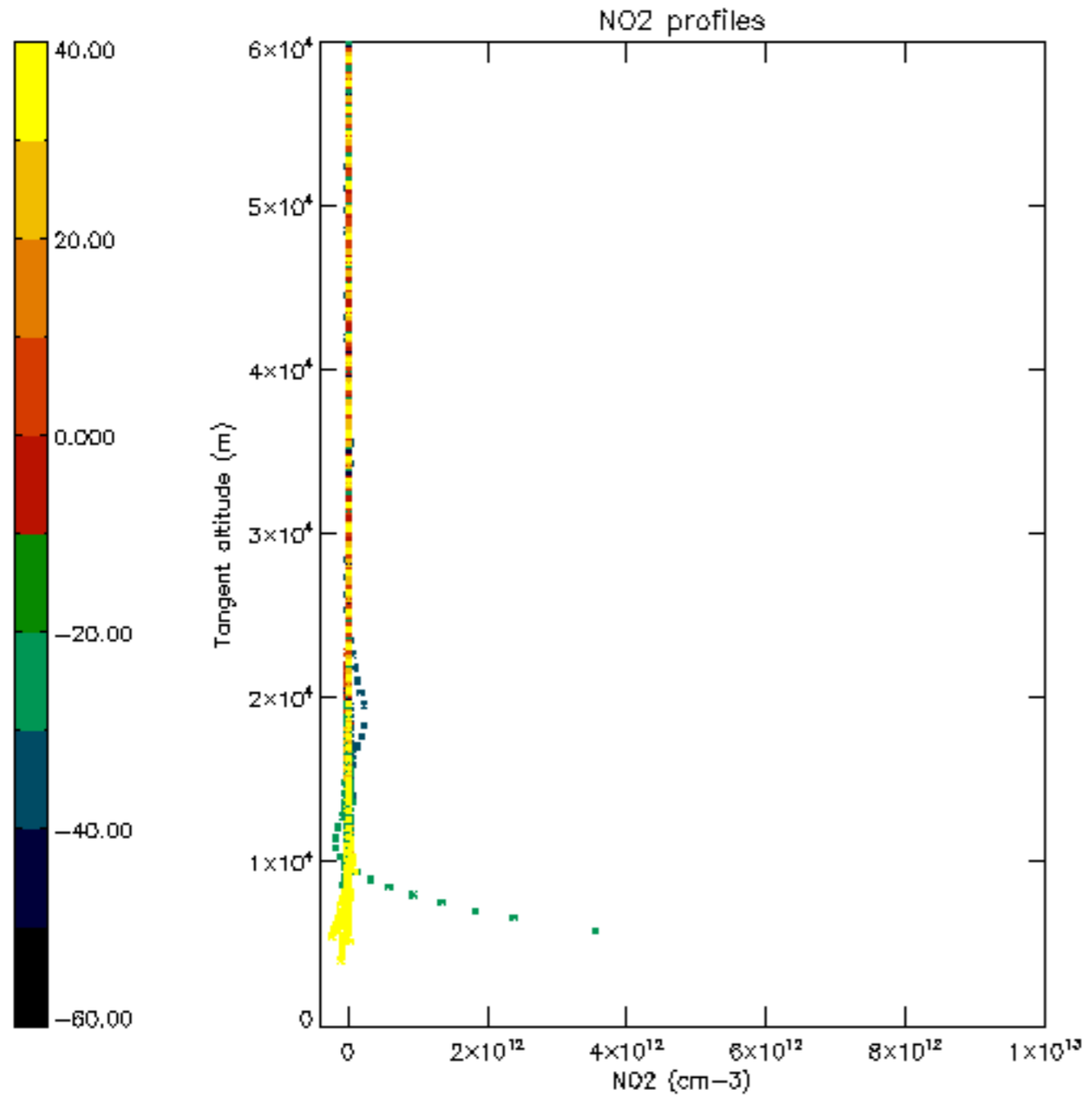


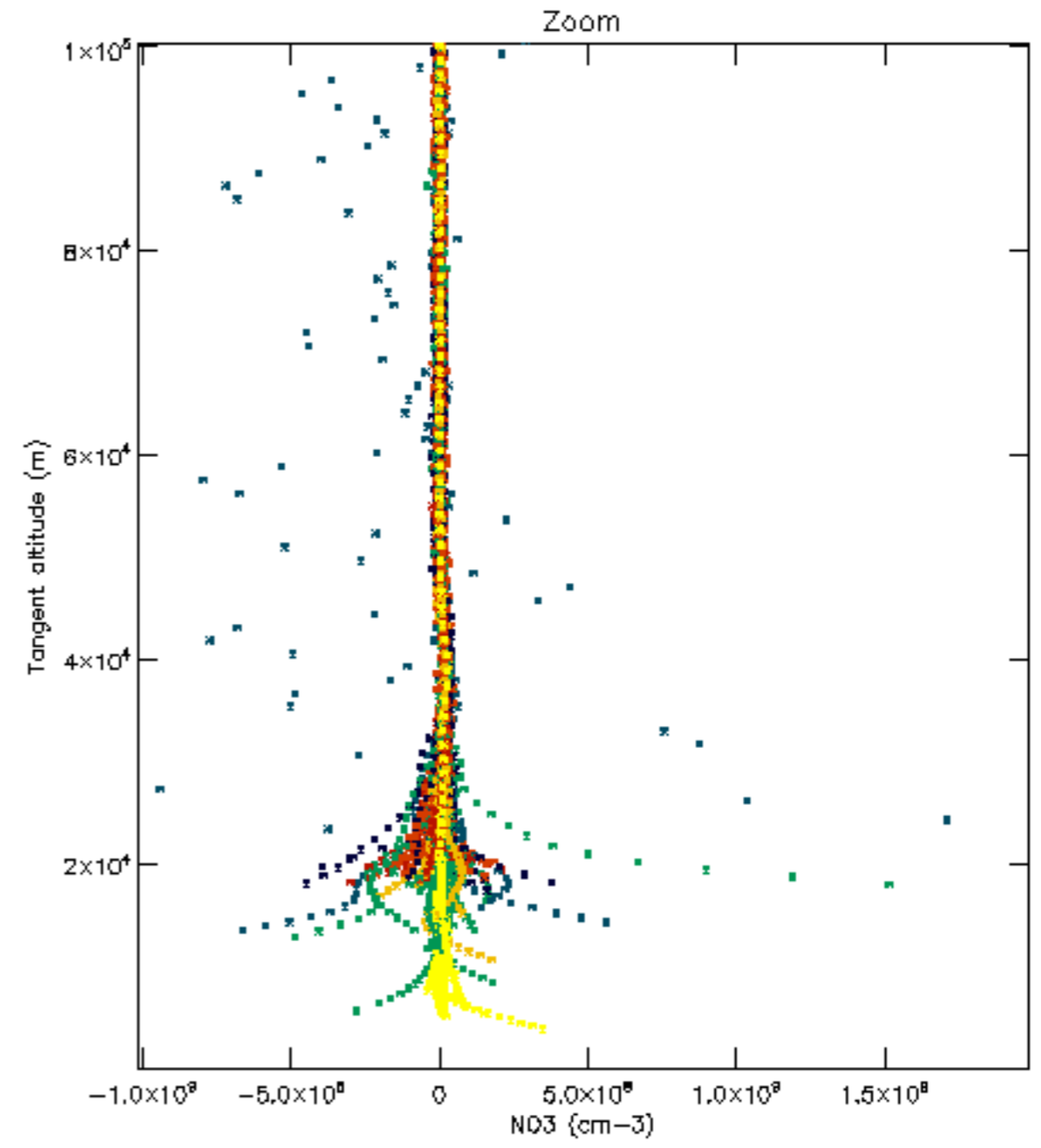
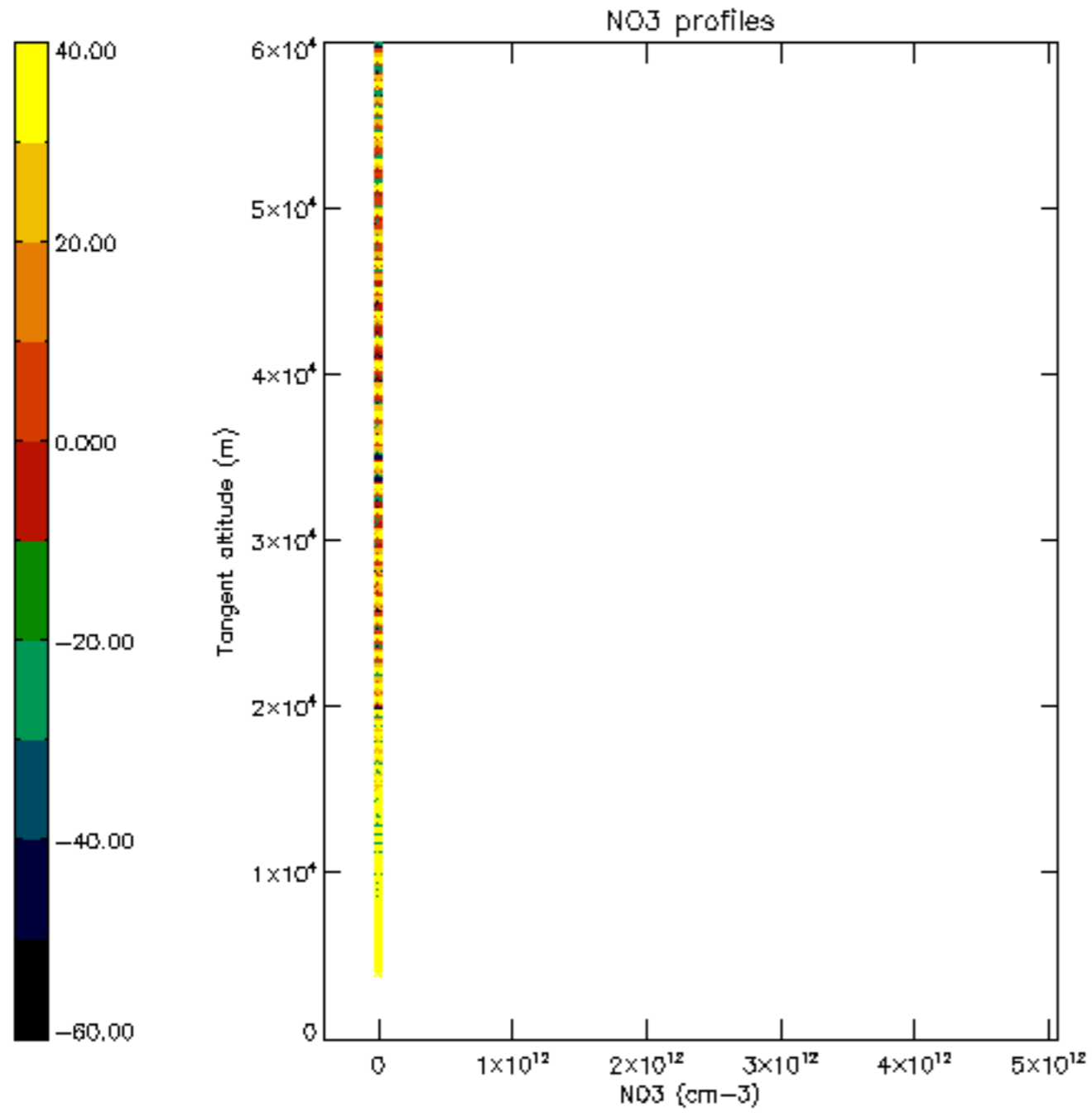


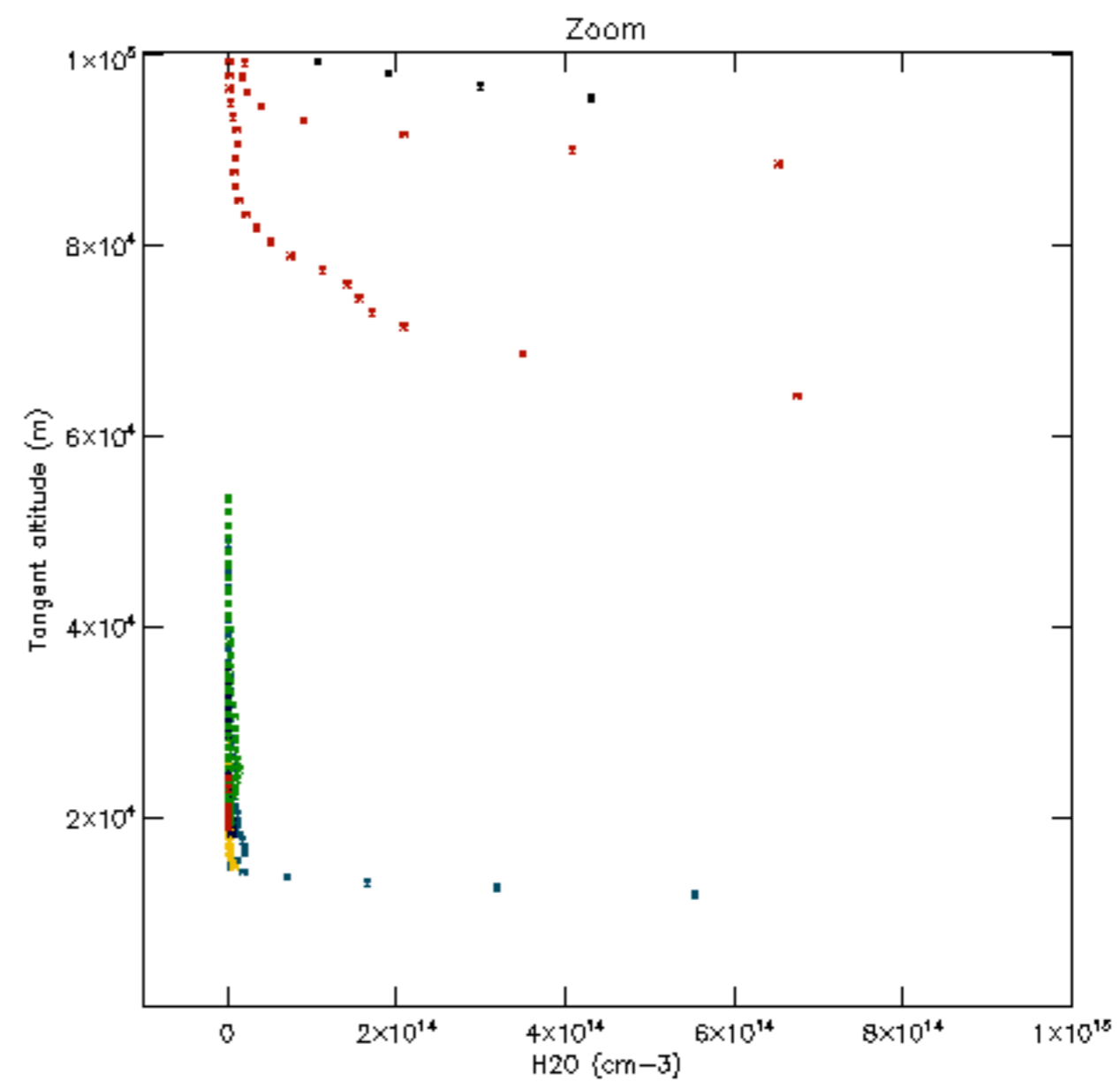
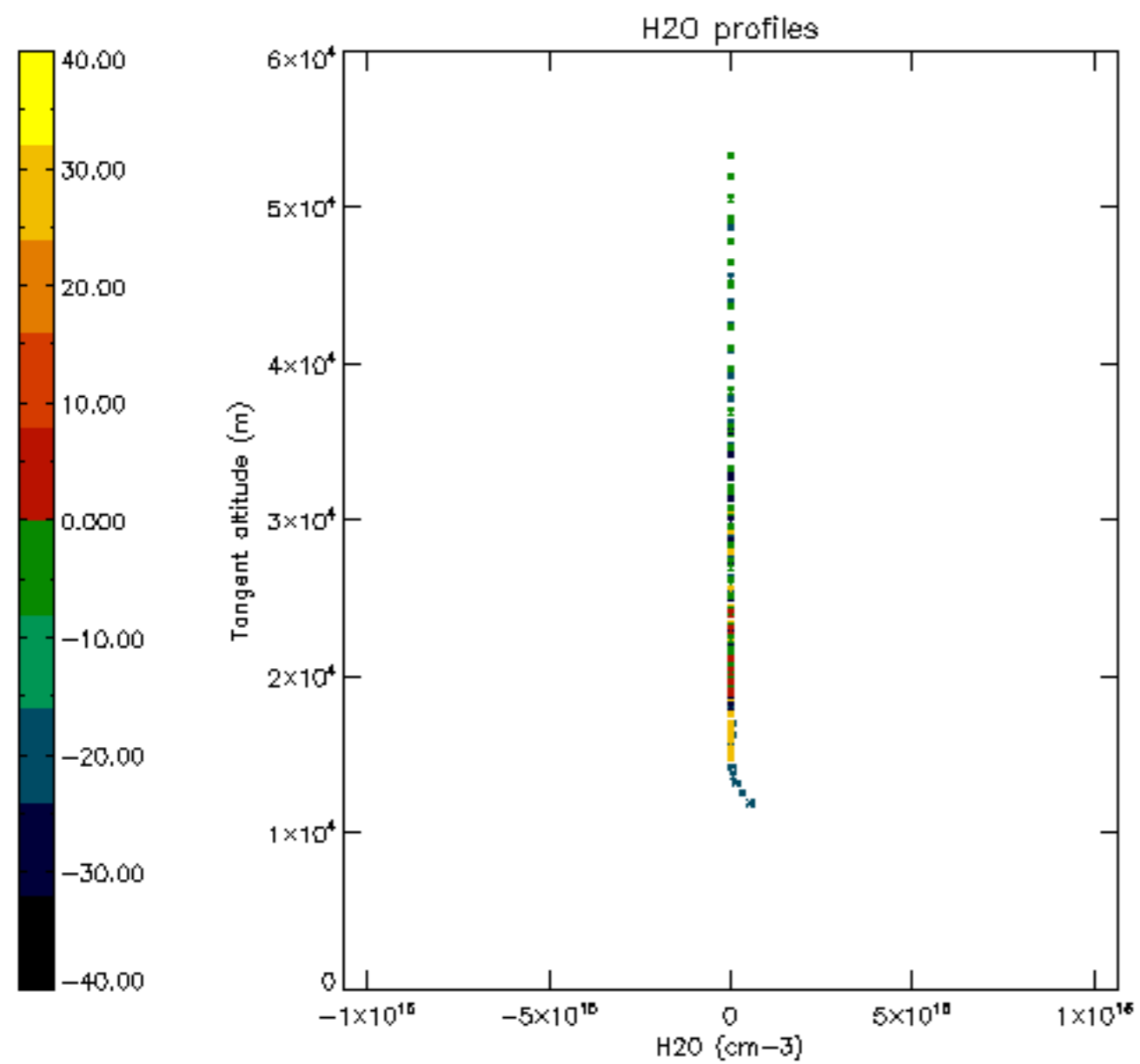


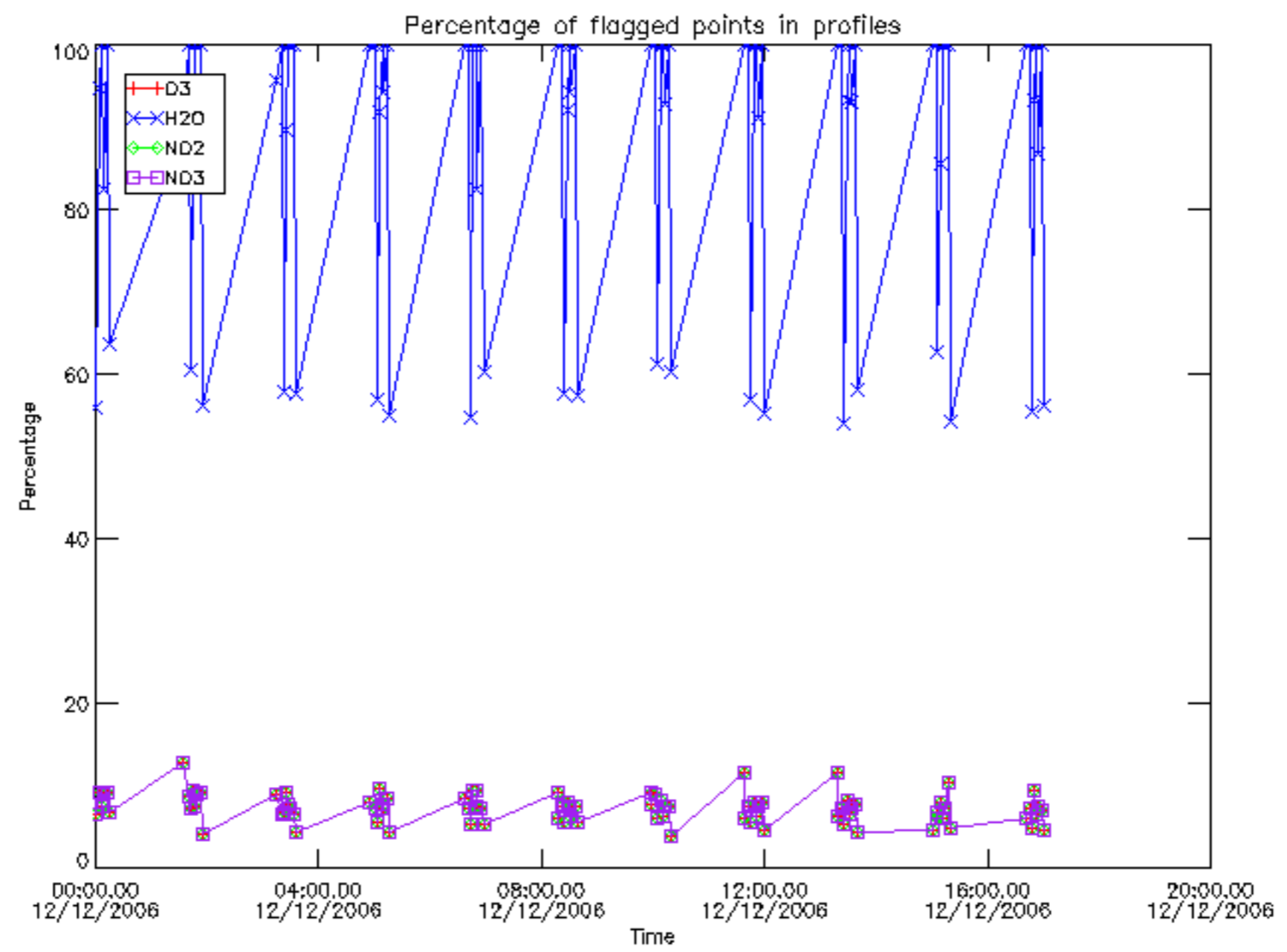




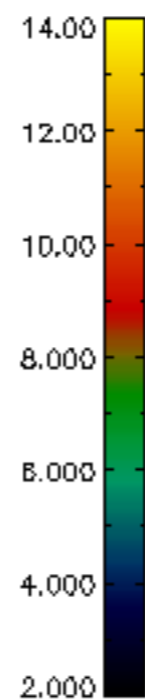
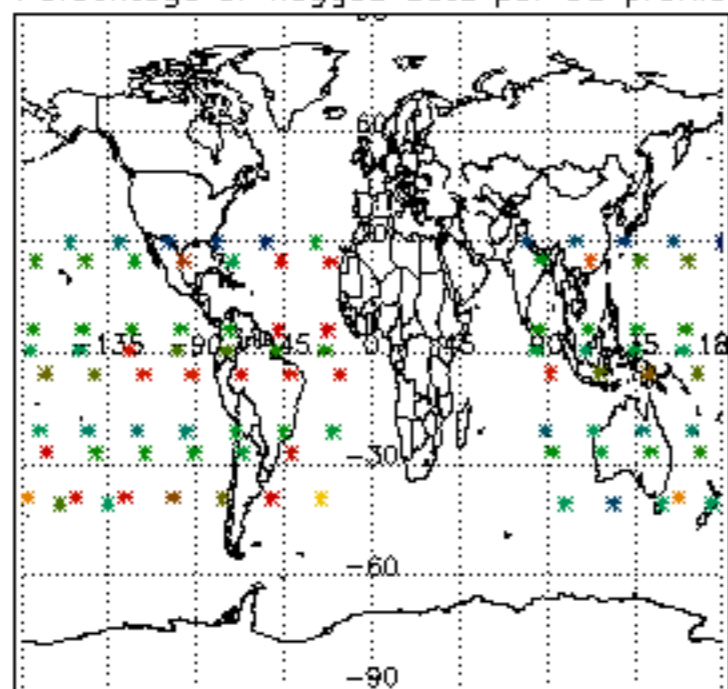




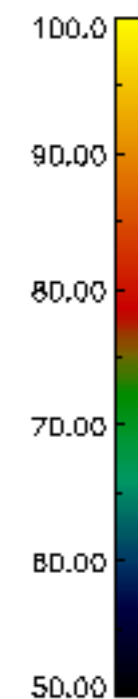
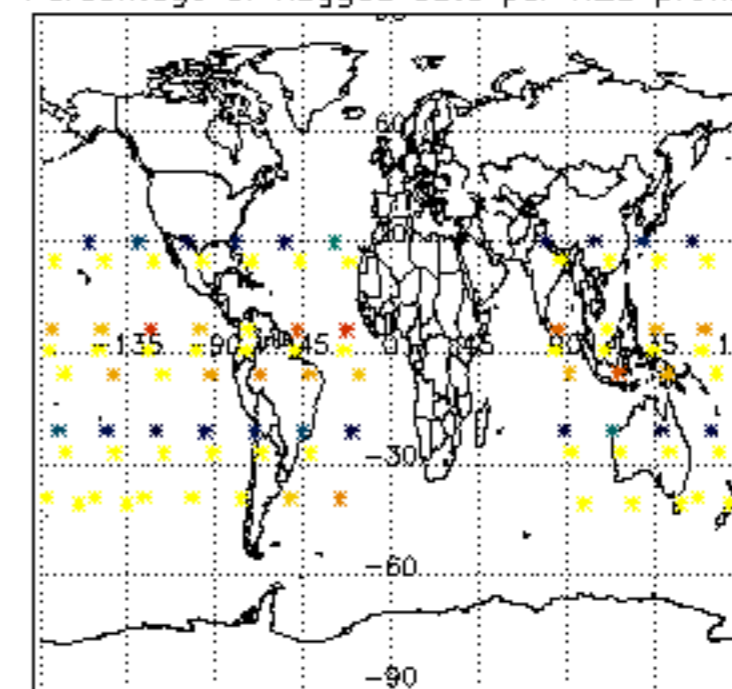




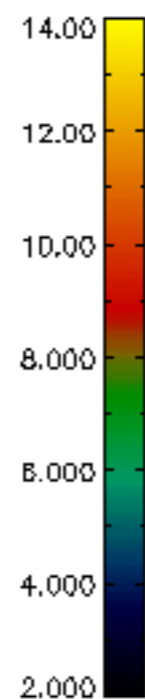
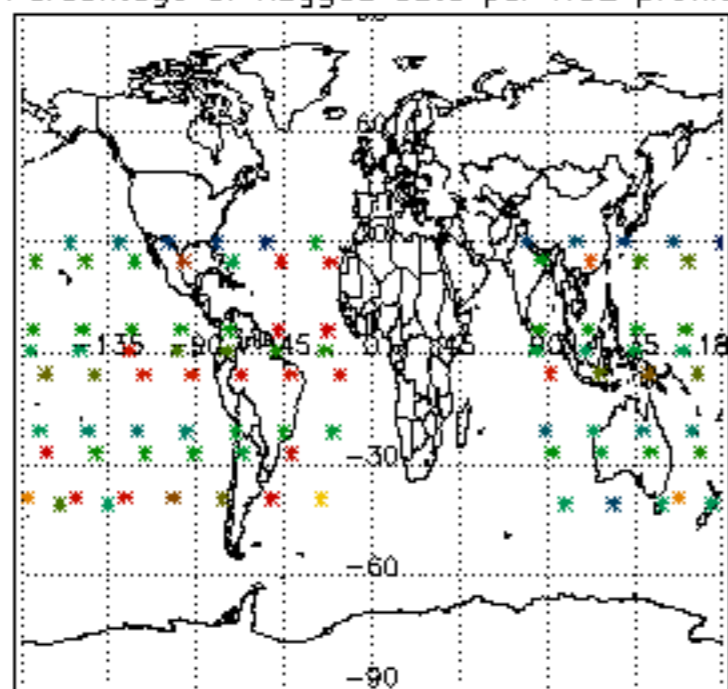
Percentage of flagged data per D3 profile



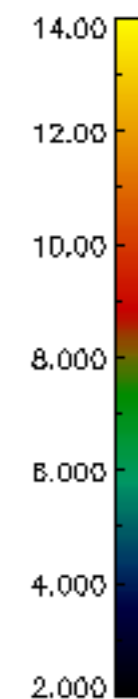
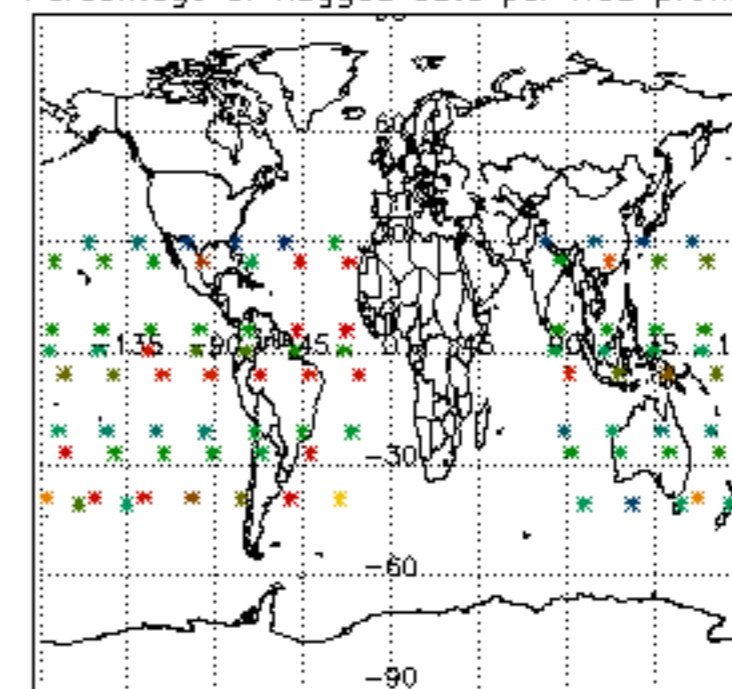
Percentage of flagged data per H2O profile

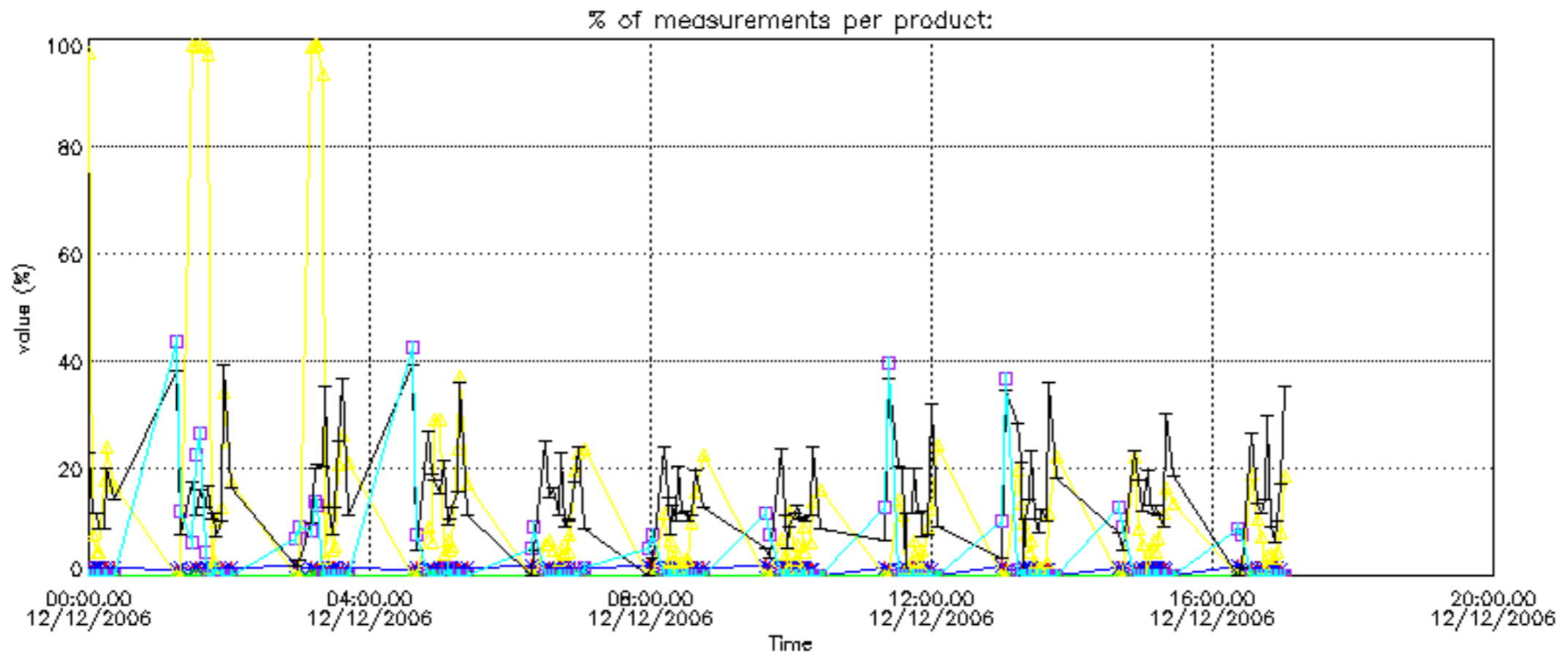


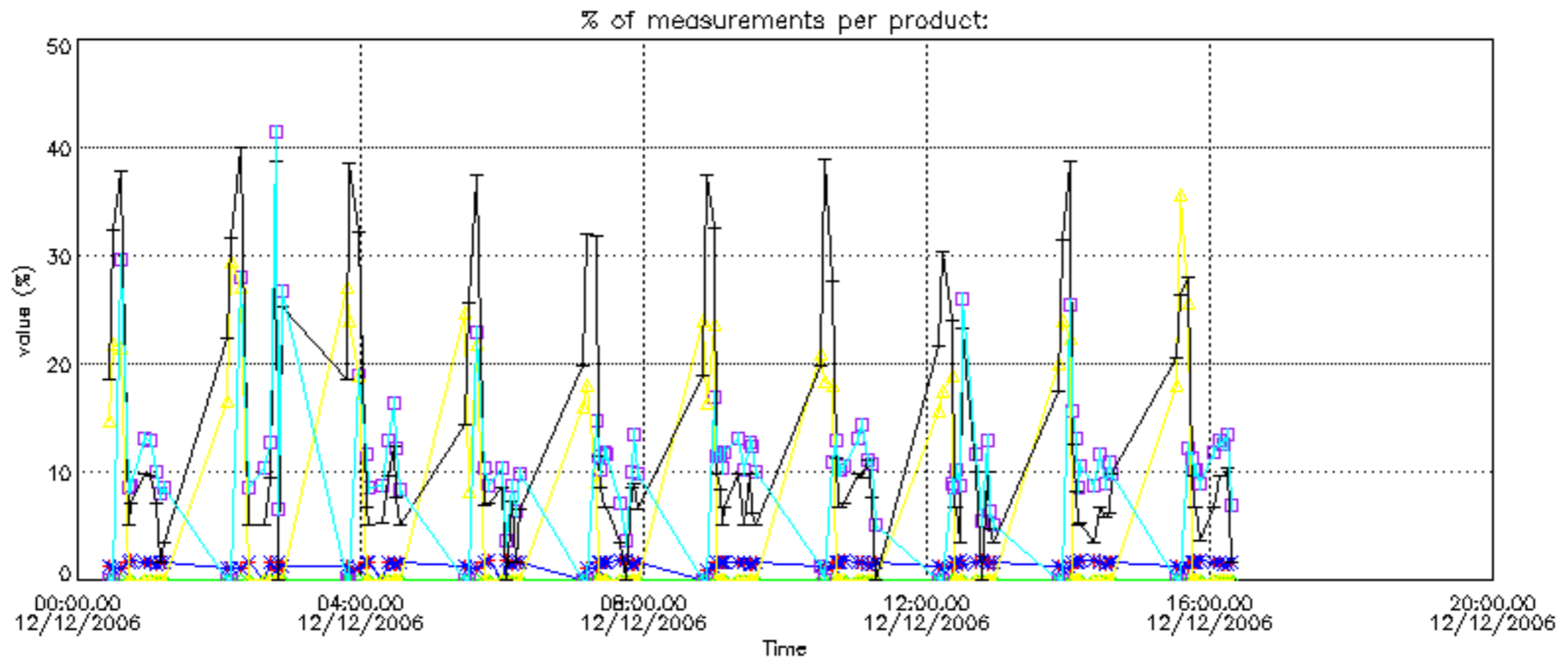
Percentage of flagged data per NO2 profile



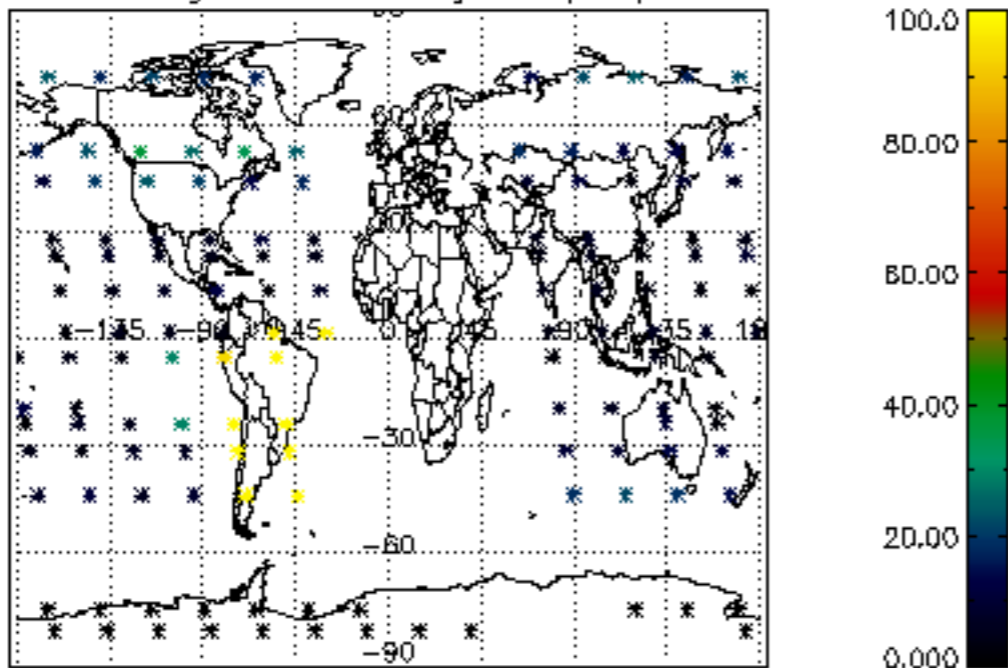
Percentage of flagged data per NO3 profile



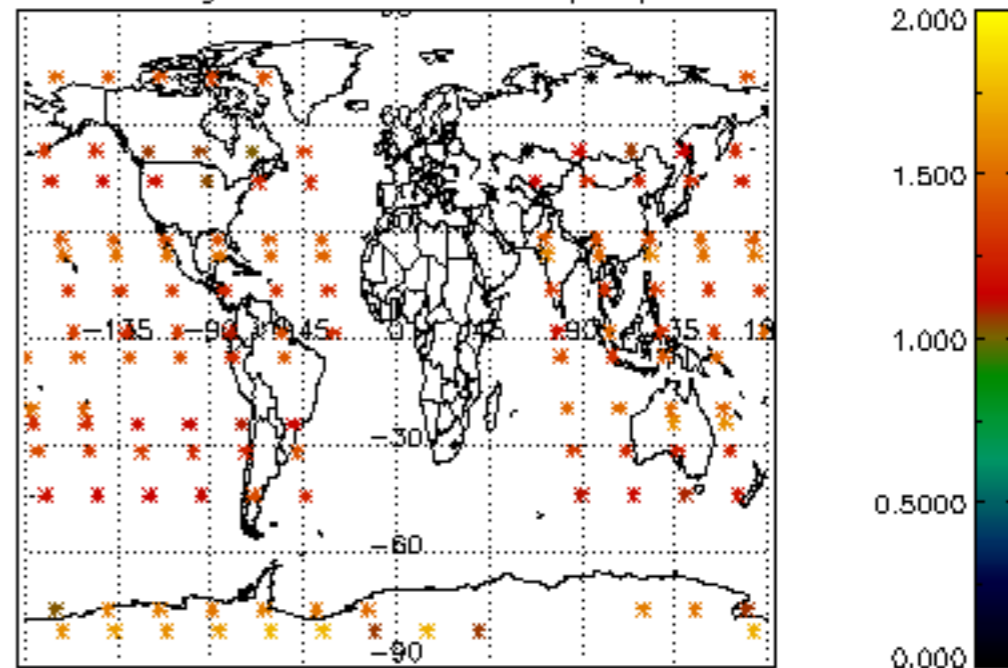




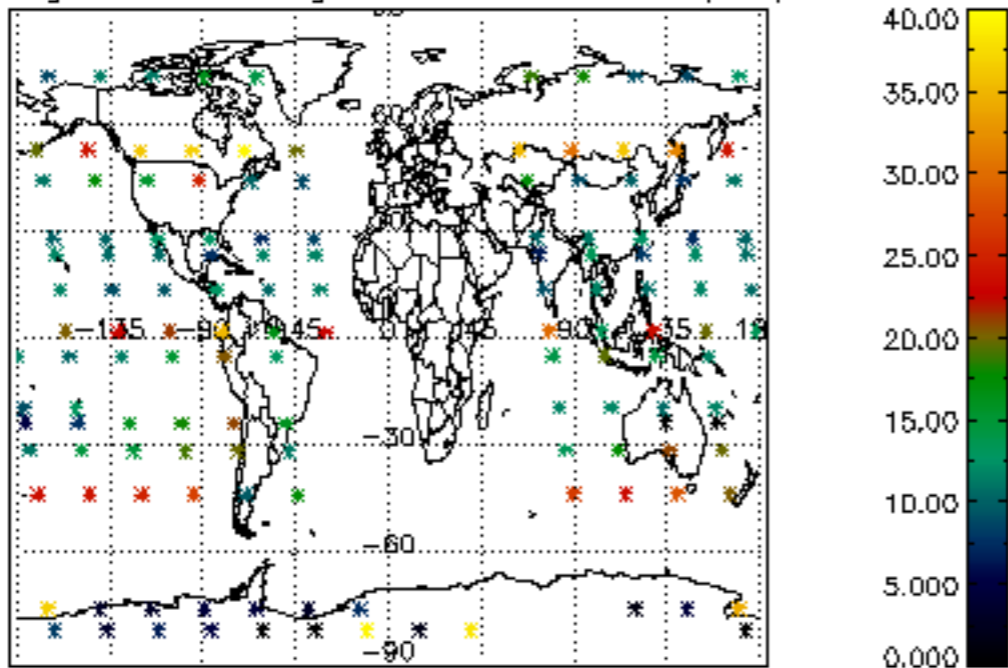
Percentage of cosmic ray hits per profile



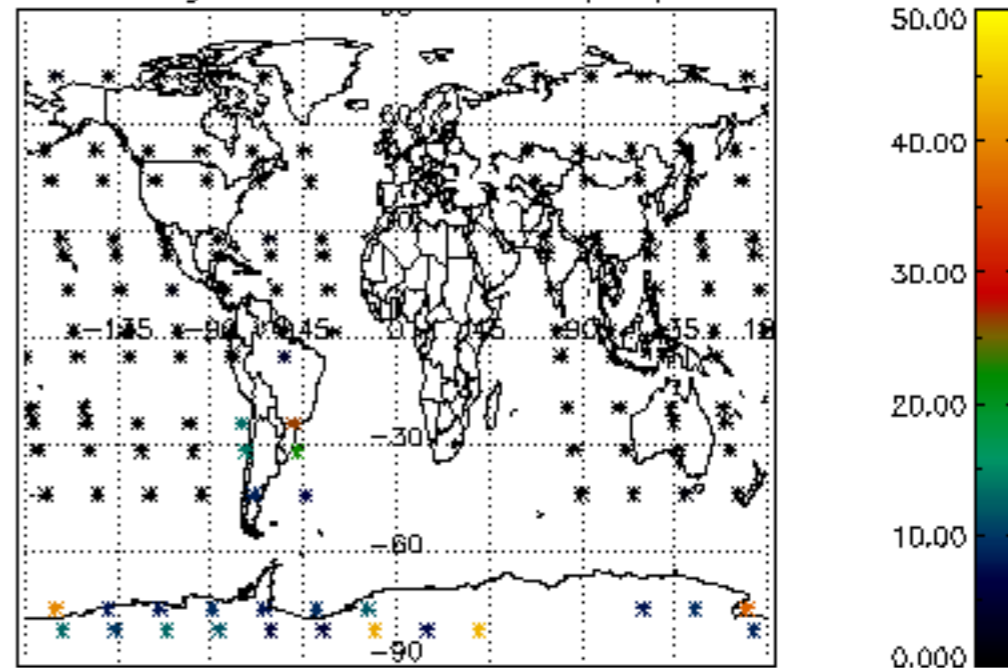
Percentage of datation errors per profile



Percentage of star falling outside central band per profile

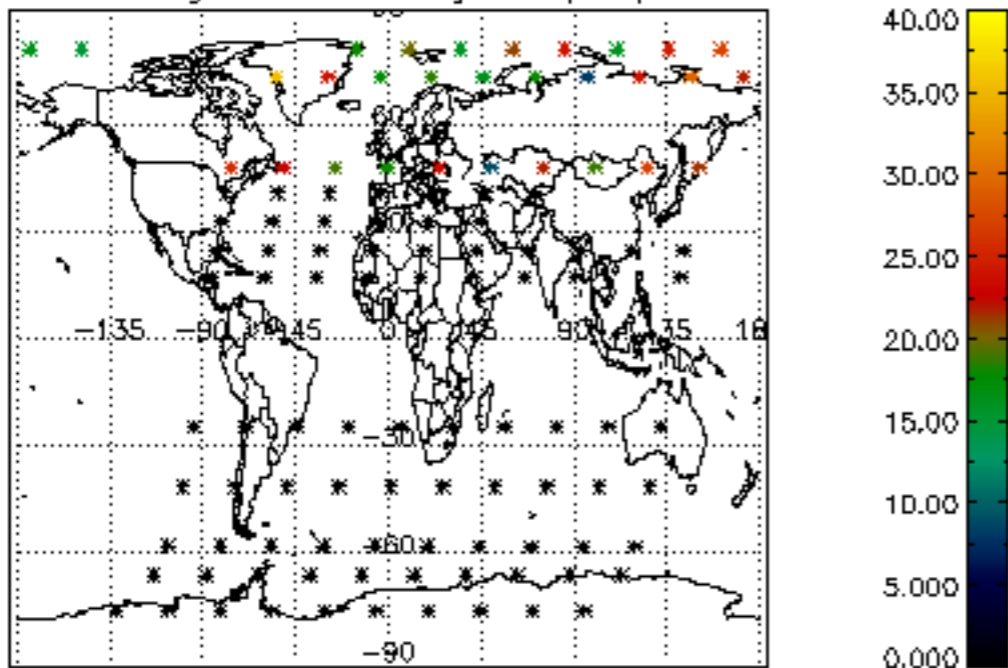


Percentage of saturation errors per profile

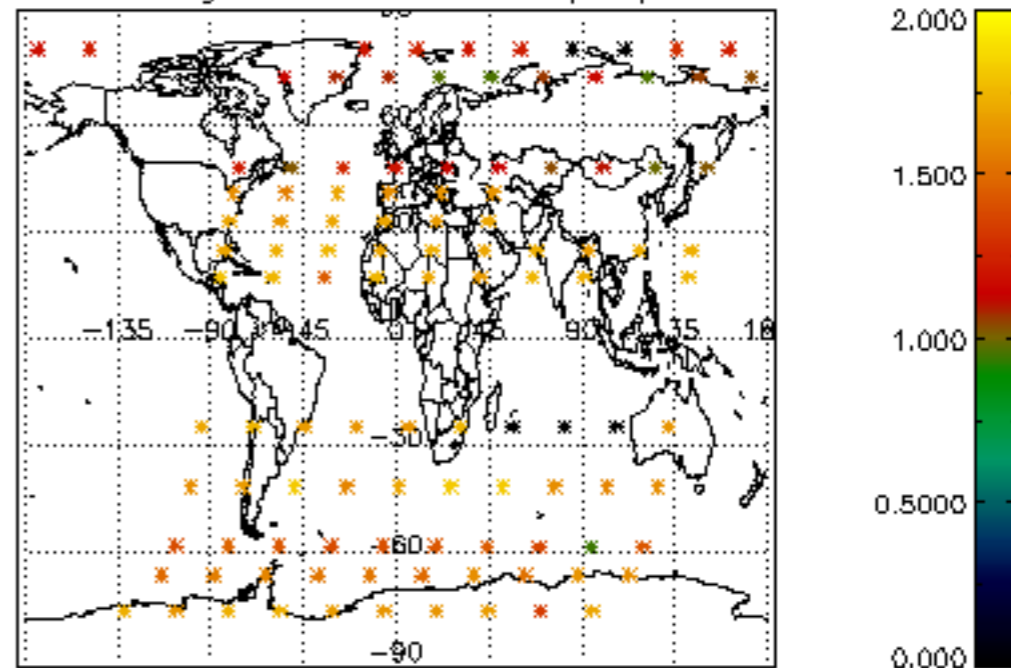




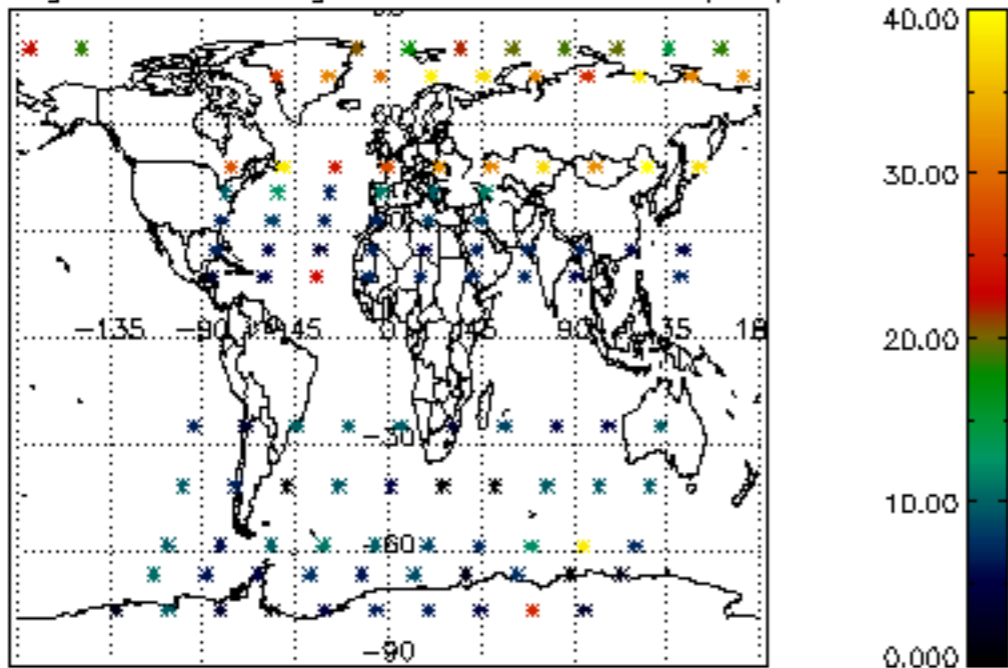
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

