

# GOMOS Level 2 Daily Report

## SUMMARY

### [1. General Info](#)

### [2. Summary of processed GOM\\_NL\\_2P products](#)

### [3. Level 2 Quality information per product](#)

#### [3.1 Plot of level 2 quality information per product \(time dependant\)](#)

#### [3.2 Plot of level 2 quality information per product \(world map\)](#)

### [4. Level 1 Quality information per product \(stored on level 2 products\)](#)

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

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

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

#### [4.2 Plot of level 1 quality information per product \(world map\)](#)

##### [4.2.1 Plot of level 1 quality information per product \(world map\): ASCENDING](#)

##### [4.2.2 Plot of level 1 quality information per product \(world map\): DESCENDING](#)

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

#### [5.1 Ozone statistics based on quality of products](#)

#### [5.2 Plot ozone profiles for all STD \(dark without errors\)](#)

#### [5.3 Plot ozone profiles where STD < 20% \(dark without errors\)](#)

#### [5.4. Plot ozone profiles where STD < 10% \(dark without errors\)](#)

#### [5.5. Plot ozone profiles where STD < 5% \(dark without errors\)](#)

#### [5.6 Plot NO2 profiles for all STD \(dark without errors\)](#)

#### [5.7 Plot NO3 profiles for all STD \(dark without errors\)](#)

#### [5.8 Plot H2O profiles \(only for occultations of stars 1,2,3,4,13,14,16,26,63 dark without errors\) for all STD](#)

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

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

Item	Value
Time of report generation	24APR2013 08:43:26
Data source version	GOMOS/6.01
Start time of products	05-01-2011 (05JAN2011 00:00:00)
Stop time of products	06-01-2011 (06JAN2011 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	369
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__2PRFIN20110105_001043_000000403098_00131_46266_3969.N1	05-JAN-2011 00:10:43	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	46266	No
2	GOM_NL__2PRFIN20110105_001508_000000473098_00131_46266_3970.N1	05-JAN-2011 00:15:08	Bright	47.000	55	79Zet UMa	2.0600	10200.	94	46266	No
3	GOM_NL__2PRFIN20110105_001731_000000693098_00131_46266_3971.N1	05-JAN-2011 00:17:31	Bright	69.000	39	85Eta UMa	1.8540	24000.	138	46266	No
4	GOM_NL__2PRFIN20110105_002150_000000653098_00131_46266_3972.N1	05-JAN-2011 00:21:50	Bright	65.000	180	27Gam Boo	3.0400	8000.0	130	46266	No
5	GOM_NL__2PRFIN20110105_002542_000000663098_00131_46266_3973.N1	05-JAN-2011 00:25:42	Bright	66.000	83		2.3780	11000.	132	46266	No
6	GOM_NL__2PRFIN20110105_003104_000000383098_00131_46266_3974.N1	05-JAN-2011 00:31:04	Bright	38.000	102	24Alp Ser	2.6000	4250.0	76	46266	No
7	GOM_NL__2PRFIN20110105_003616_000000513098_00131_46266_3975.N1	05-JAN-2011 00:36:16	Bright	51.000	104	27Bet Lib	2.6140	13100.	102	46266	No
8	GOM_NL__2PRFIN20110105_003903_000000483098_00131_46266_3976.N1	05-JAN-2011 00:39:03	Twilight	48.000	122	9Alp2Lib	2.7470	9700.0	96	46266	No
9	GOM_NL__2PRFIN20110105_004602_000000513098_00131_46266_3977.N1	05-JAN-2011 00:46:02	Dark	51.000	54	5The Cen	2.0550	4500.0	102	46266	No
10	GOM_NL__2PRFIN20110105_004841_000000433098_00131_46266_3978.N1	05-JAN-2011 00:48:41	Dark	42.500	95	Zet Cen	2.5450	26000.	85	46266	No
11	GOM_NL__2PRFIN20110105_005022_000000413098_00132_46267_4007.N1	05-JAN-2011 00:50:22	Dark	40.500	77	Eps Cen	2.3030	28000.	81	46267	No
12	GOM_NL__2PRFIN20110105_005221_000000443098_00132_46267_4008.N1	05-JAN-2011 00:52:21	Dark	44.000	64	Gam Cen	2.2000	10600.	88	46267	No
13	GOM_NL__2PRFIN20110105_005832_000000493098_00132_46267_4009.N1	05-JAN-2011 00:58:32	Dark	48.500	113	Mu Vel	2.6920	5000.0	97	46267	No
14	GOM_NL__2PRFIN20110105_010045_000000413098_00132_46267_4010.N1	05-JAN-2011 01:00:45	Dark	40.500	71	lot Car	2.2460	7700.0	81	46267	No
15	GOM_NL__2PRFIN20110105_010239_000000473098_00132_46267_4011.N1	05-JAN-2011 01:02:39	Dark	47.000	46	Del Vel	1.9540	10600.	94	46267	No
16	GOM_NL__2PRFIN20110105_010528_000000473098_00132_46267_4012.N1	05-JAN-2011 01:05:28	Dark	47.000	34	Gam2Vel	1.7930	23000.	94	46267	No
17	GOM_NL__2PRFIN20110105_010738_000000483098_00132_46267_4013.N1	05-JAN-2011 01:07:38	Dark	47.500	70	Zet Pup	2.2460	39000.	95	46267	No
18	GOM_NL__2PRFIN20110105_010935_000000483098_00132_46267_4014.N1	05-JAN-2011 01:09:35	Dark	47.500	117	Pi Pup	2.7060	3800.0	95	46267	No
19	GOM_NL__2PRFIN20110105_011217_000000443098_00132_46267_4015.N1	05-JAN-2011 01:12:17	Straylight	44.000	23	21Eps CMa	1.5020	26000.	88	46267	No
20	GOM_NL__2PRFIN20110105_011347_000000433098_00132_46267_4016.N1	05-JAN-2011 01:13:47	Straylight	42.500	179	24Omi2CMa	3.0320	24000.	85	46267	No
21	GOM_NL__2PRFIN20110105_011609_000000473098_00132_46267_4017.N1	05-JAN-2011 01:16:09	Straylight	46.500	1	9Alp CMa	-1.4400	11000.	93	46267	No
22	GOM_NL__2PRFIN20110105_012329_000000543098_00132_46267_4018.N1	05-JAN-2011 01:23:29	Twilight	54.000	14	58Alp Ori	0.87000	3000.0	108	46267	No
23	GOM_NL__2PRFIN20110105_012629_000000483098_00132_46267_4019.N1	05-JAN-2011 01:26:29	Twilight	47.500	44	24Gam Gem	1.9280	11000.	95	46267	No
24	GOM_NL__2PRFIN20110105_012809_000000503098_00132_46267_4020.N1	05-JAN-2011 01:28:09	Bright	50.000	151	13Mu Gem	2.8900	3000.0	100	46267	No
25	GOM_NL__2PRFIN20110105_013211_000000403098_00132_46267_4021.N1	05-JAN-2011 01:32:11	Bright	39.500	107	37The Aur	2.6490	11000.	79	46267	No
26	GOM_NL__2PRFIN20110105_013424_000000393098_00132_46267_4022.N1	05-JAN-2011 01:34:24	Bright	38.500	42	34Bet Aur	1.9000	10200.	77	46267	No
27	GOM_NL__2PRFIN20110105_015057_000000393098_00132_46267_4023.N1	05-JAN-2011 01:50:57	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	46267	No
28	GOM_NL__2PRFIN20110105_015521_000000483098_00132_46267_4024.N1	05-JAN-2011 01:55:21	Bright	47.500	55	79Zet UMa	2.0600	10200.	95	46267	No
29	GOM_NL__2PRFIN20110105_015745_000000463098_00132_46267_4025.N1	05-JAN-2011 01:57:45	Bright	45.500	39	85Eta UMa	1.8540	24000.	91	46267	No
30	GOM_NL__2PRFIN20110105_020204_000000433098_00132_46267_4026.N1	05-JAN-2011 02:02:04	Bright	43.000	180	27Gam Boo	3.0400	8000.0	86	46267	No
31	GOM_NL__2PRFIN20110105_020556_000000663098_00132_46267_4027.N1	05-JAN-2011 02:05:56	Bright	66.000	83		2.3780	11000.	132	46267	No
32	GOM_NL__2PRFIN20110105_021118_000000373098_00132_46267_4028.N1	05-JAN-2011 02:11:18	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	46267	No
33	GOM_NL__2PRFIN20110105_021631_000000413098_00132_46267_4029.N1	05-JAN-2011 02:16:31	Bright	41.000	104	27Bet Lib	2.6140	13100.	82	46267	No
34	GOM_NL__2PRFIN20110105_021918_000000473098_00132_46267_4030.N1	05-JAN-2011 02:19:18	Twilight	46.500	122	9Alp2Lib	2.7470	9700.0	93	46267	No
35	GOM_NL__2PRFIN20110105_022617_000000503098_00132_46267_4031.N1	05-JAN-2011 02:26:17	Dark	50.000	54	5The Cen	2.0550	4500.0	100	46267	No
36	GOM_NL__2PRFIN20110105_022856_000000433098_00132_46267_4032.N1	05-JAN-2011 02:28:56	Dark	42.500	95	Zet Cen	2.5450	26000.	85	46267	No
37	GOM_NL__2PRFIN20110105_023037_000000403098_00133_46268_4014.N1	05-JAN-2011 02:30:37	Dark	39.500	77	Eps Cen	2.3030	28000.	79	46268	No
38	GOM_NL__2PRFIN20110105_023236_000000473098_00133_46268_4015.N1	05-JAN-2011 02:32:36	Dark	47.000	64	Gam Cen	2.2000	10600.	94	46268	No
39	GOM_NL__2PRFIN20110105_023847_000000573098_00133_46268_4016.N1	05-JAN-2011 02:38:47	Dark	57.000	113	Mu Vel	2.6920	5000.0	114	46268	No
40	GOM_NL__2PRFIN20110105_024100_000000423098_00133_46268_4017.N1	05-JAN-2011 02:41:00	Dark	41.500	71	lot Car	2.2460	7700.0	83	46268	No
41	GOM_NL__2PRFIN20110105_024254_000000423098_00133_46268_4018.N1	05-JAN-2011 02:42:54	Dark	41.500	46	Del Vel	1.9540	10600.	83	46268	No
42	GOM_NL__2PRFIN20110105_024543_000000453098_00133_46268_4019.N1	05-JAN-2011 02:45:43	Dark	44.500	34	Gam2Vel	1.7930	23000.	89	46268	No











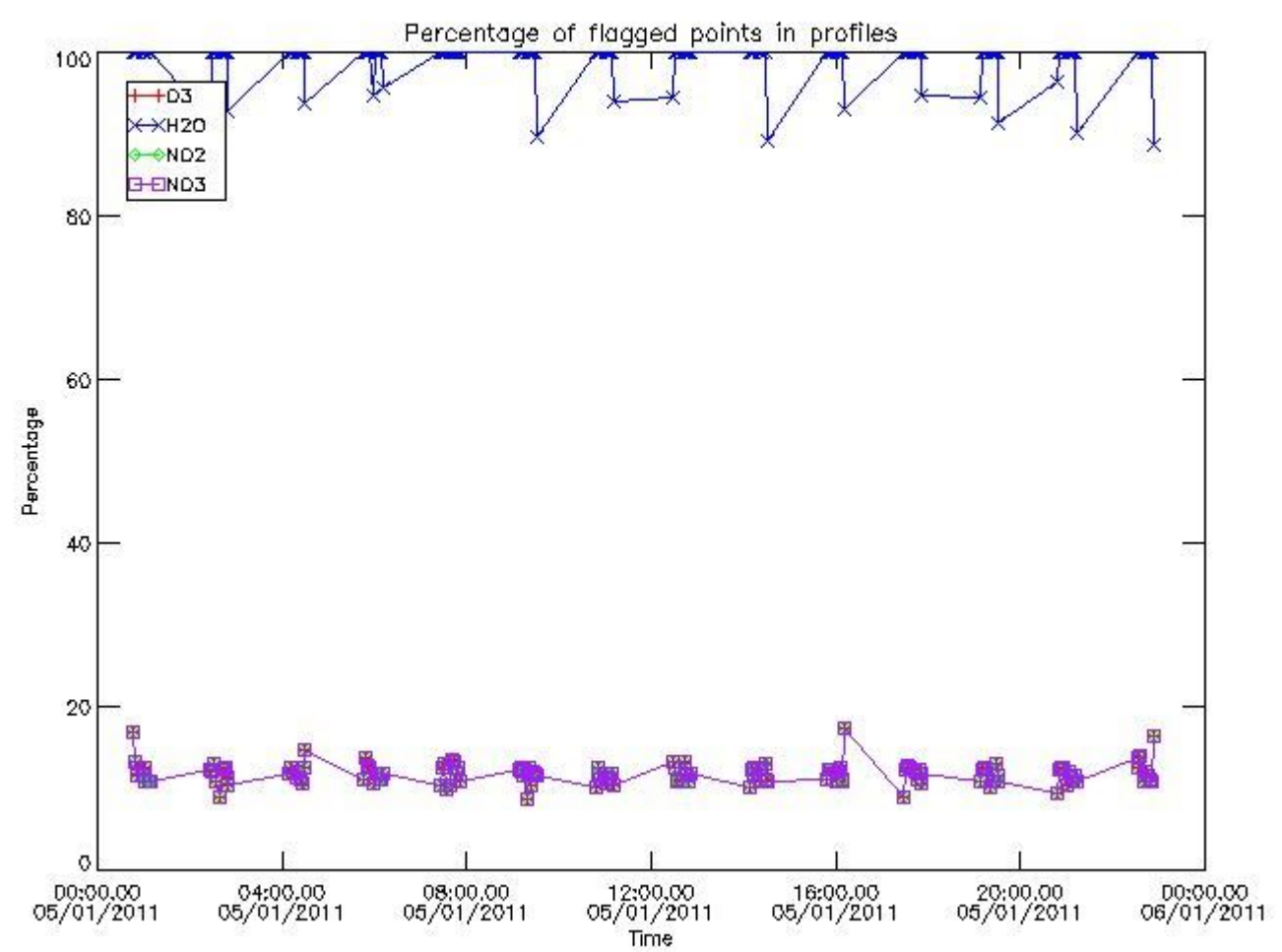
338	GOM_NL__2PRFIN20110105_215344_000000353098_00144_46279_4355.N1	05-JAN-2011 21:53:44	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	46279	No
339	GOM_NL__2PRFIN20110105_215744_000000353098_00144_46279_4356.N1	05-JAN-2011 21:57:44	Bright	34.500	119	14Eta Dra	2.7270	4700.0	69	46279	No
340	GOM_NL__2PRFIN20110105_220030_000000483098_00144_46279_4357.N1	05-JAN-2011 22:00:30	Bright	47.500	39	85Eta UMa	1.8540	24000.	95	46279	No
341	GOM_NL__2PRFIN20110105_220452_000000663098_00144_46279_4358.N1	05-JAN-2011 22:04:52	Bright	66.000	180	27Gam Boo	3.0400	8000.0	132	46279	No
342	GOM_NL__2PRFIN20110105_220847_000000663098_00144_46279_4359.N1	05-JAN-2011 22:08:47	Bright	66.000	83		2.3780	11000.	132	46279	No
343	GOM_NL__2PRFIN20110105_221410_000000473098_00144_46279_4360.N1	05-JAN-2011 22:14:10	Bright	46.500	102	24Alp Ser	2.6000	4250.0	93	46279	No
344	GOM_NL__2PRFIN20110105_221925_000000453098_00144_46279_4361.N1	05-JAN-2011 22:19:25	Bright	45.000	104	27Bet Lib	2.6140	13100.	90	46279	No
345	GOM_NL__2PRFIN20110105_222215_000000433098_00144_46279_4362.N1	05-JAN-2011 22:22:15	Tw_i_and_stray	43.000	122	9Alp2Lib	2.7470	9700.0	86	46279	No
346	GOM_NL__2PRFIN20110105_223152_000000413098_00144_46279_4363.N1	05-JAN-2011 22:31:52	Dark	41.000	95	Zet Cen	2.5450	26000.	82	46279	No
347	GOM_NL__2PRFIN20110105_223332_000000413098_00145_46280_4359.N1	05-JAN-2011 22:33:32	Dark	40.500	77	Eps Cen	2.3030	28000.	81	46280	No
348	GOM_NL__2PRFIN20110105_223615_000000403098_00145_46280_4360.N1	05-JAN-2011 22:36:15	Dark	40.000	20	Bet Cru	1.2530	30000.	80	46280	No
349	GOM_NL__2PRFIN20110105_224145_000000483098_00145_46280_4361.N1	05-JAN-2011 22:41:45	Dark	47.500	113	Mu Vel	2.6920	5000.0	95	46280	No
350	GOM_NL__2PRFIN20110105_224354_000000433098_00145_46280_4362.N1	05-JAN-2011 22:43:54	Dark	42.500	71	lot Car	2.2460	7700.0	85	46280	No
351	GOM_NL__2PRFIN20110105_224548_000000453098_00145_46280_4363.N1	05-JAN-2011 22:45:48	Dark	44.500	46	Del Vel	1.9540	10600.	89	46280	No
352	GOM_NL__2PRFIN20110105_224836_000000463098_00145_46280_4364.N1	05-JAN-2011 22:48:36	Dark	46.000	34	Gam2Vel	1.7930	23000.	92	46280	No
353	GOM_NL__2PRFIN20110105_225047_000000473098_00145_46280_4365.N1	05-JAN-2011 22:50:47	Dark	46.500	70	Zet Pup	2.2460	39000.	93	46280	No
354	GOM_NL__2PRFIN20110105_225242_000000503098_00145_46280_4366.N1	05-JAN-2011 22:52:42	Dark	49.500	117	Pi Pup	2.7060	3800.0	99	46280	No
355	GOM_NL__2PRFIN20110105_225523_000000413098_00145_46280_4367.N1	05-JAN-2011 22:55:23	Straylight	41.000	23	21Eps CMa	1.5020	26000.	82	46280	No
356	GOM_NL__2PRFIN20110105_225652_000000393098_00145_46280_4368.N1	05-JAN-2011 22:56:52	Straylight	38.500	179	24Omi2CMa	3.0320	24000.	77	46280	No
357	GOM_NL__2PRFIN20110105_225913_000000523098_00145_46280_4369.N1	05-JAN-2011 22:59:13	Straylight	51.500	1	9Alp CMa	-1.4400	11000.	103	46280	No
358	GOM_NL__2PRFIN20110105_230632_000000543098_00145_46280_4370.N1	05-JAN-2011 23:06:32	Tw_i_and_stray	54.000	14	58Alp Ori	0.87000	3000.0	108	46280	No
359	GOM_NL__2PRFIN20110105_230929_000000483098_00145_46280_4371.N1	05-JAN-2011 23:09:29	Tw_i_and_stray	48.000	44	24Gam Gem	1.9280	11000.	96	46280	No
360	GOM_NL__2PRFIN20110105_231108_000000493098_00145_46280_4372.N1	05-JAN-2011 23:11:08	Bright	49.000	151	13Mu Gem	2.8900	3000.0	98	46280	No
361	GOM_NL__2PRFIN20110105_231511_000000393098_00145_46280_4373.N1	05-JAN-2011 23:15:11	Bright	39.000	107	37The Aur	2.6490	11000.	78	46280	No
362	GOM_NL__2PRFIN20110105_231724_000000393098_00145_46280_4374.N1	05-JAN-2011 23:17:24	Bright	38.500	42	34Bet Aur	1.9000	10200.	77	46280	No
363	GOM_NL__2PRFIN20110105_233358_000000403098_00145_46280_4375.N1	05-JAN-2011 23:33:58	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	46280	No
364	GOM_NL__2PRFIN20110105_233758_000000383098_00145_46280_4376.N1	05-JAN-2011 23:37:58	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	46280	No
365	GOM_NL__2PRFIN20110105_234044_000000503098_00145_46280_4377.N1	05-JAN-2011 23:40:44	Bright	49.500	39	85Eta UMa	1.8540	24000.	99	46280	No
366	GOM_NL__2PRFIN20110105_234506_000000663098_00145_46280_4378.N1	05-JAN-2011 23:45:06	Bright	66.000	180	27Gam Boo	3.0400	8000.0	132	46280	No
367	GOM_NL__2PRFIN20110105_234901_000000663098_00145_46280_4379.N1	05-JAN-2011 23:49:01	Bright	66.000	83		2.3780	11000.	132	46280	No
368	GOM_NL__2PRFIN20110105_235425_000000373098_00145_46280_4380.N1	05-JAN-2011 23:54:25	Bright	37.000	102	24Alp Ser	2.6000	4250.0	74	46280	No
369	GOM_NL__2PRFIN20110105_235940_000000443098_00145_46280_4381.N1	05-JAN-2011 23:59:40	Bright	44.000	104	27Bet Lib	2.6140	13100.	88	46280	No

### 3. Quality information per product

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

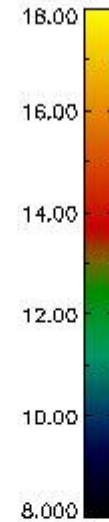
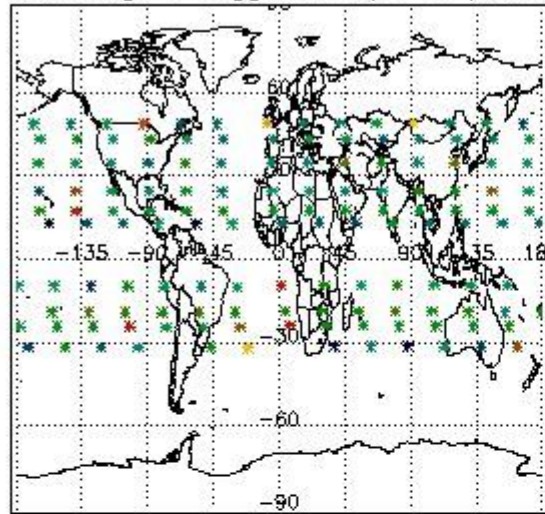
#### 3.1 Plot quality information per product (time dependant)



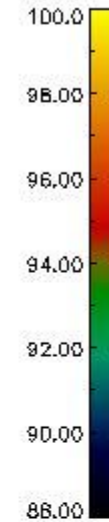
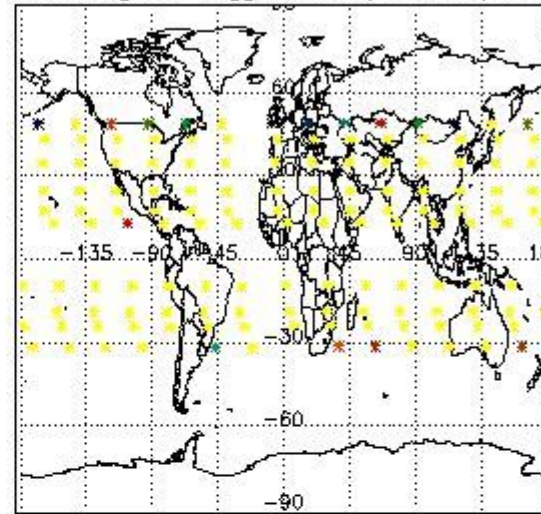


3.2 Plot quality information per product (world map)

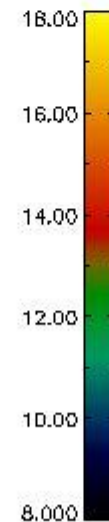
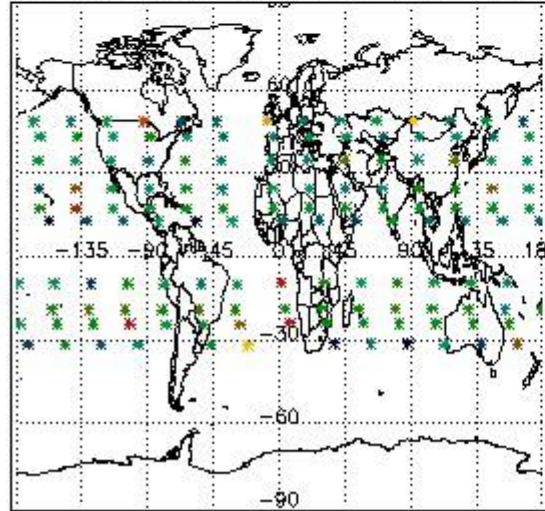
Percentage of flagged data per O3 profile



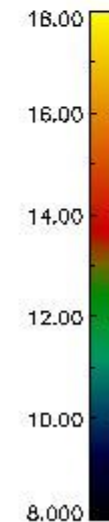
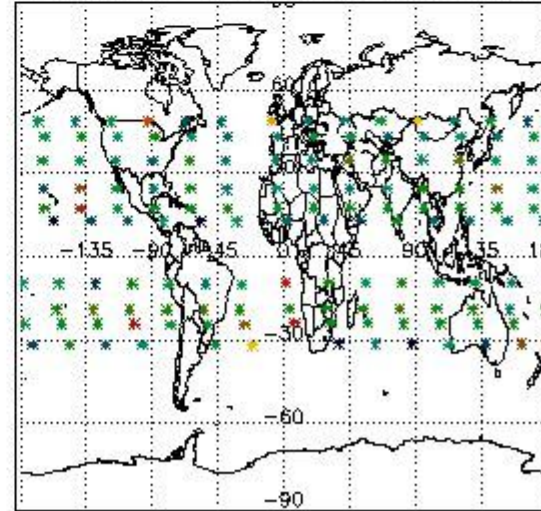
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

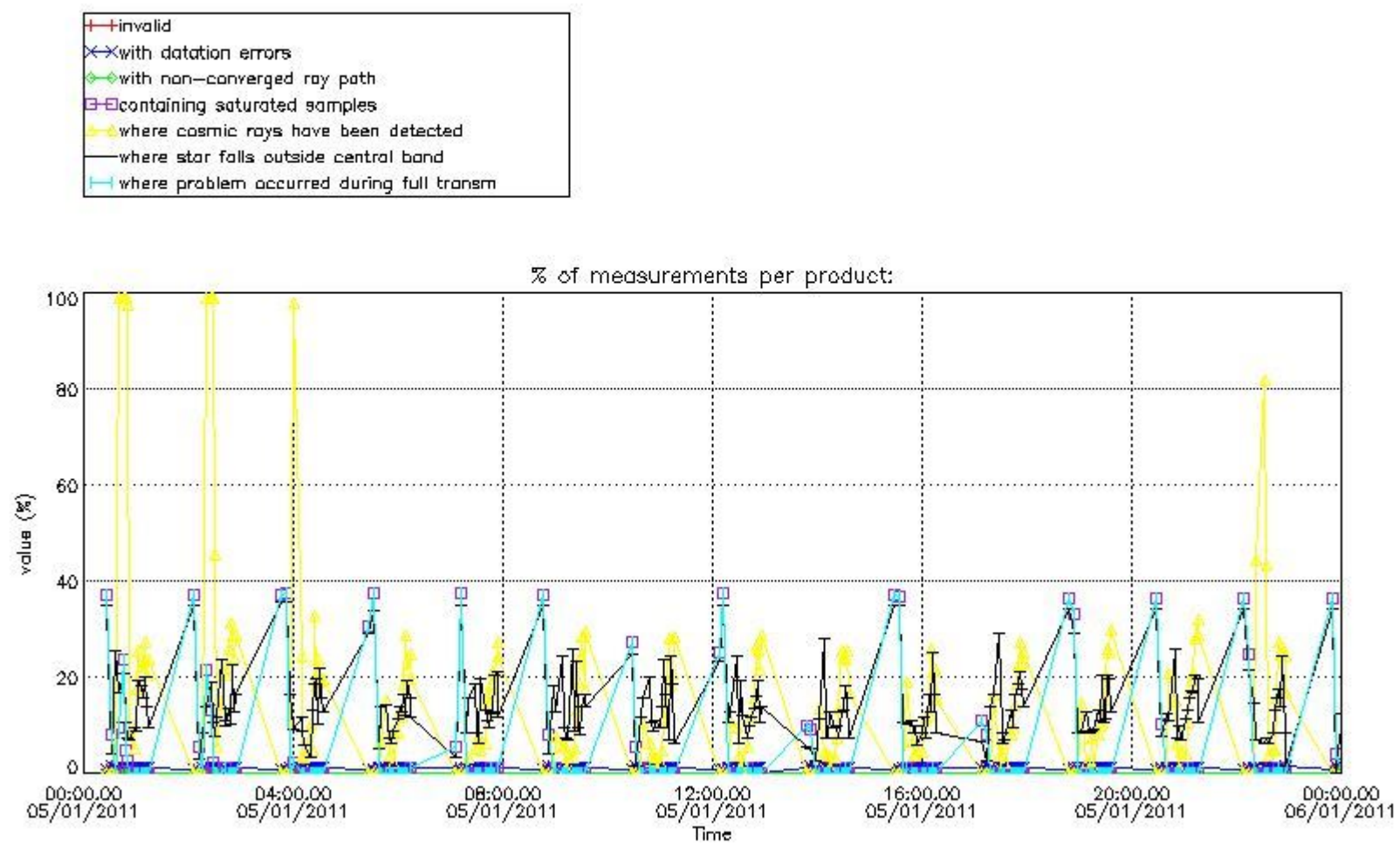


#### 4. Level 1 quality information per product

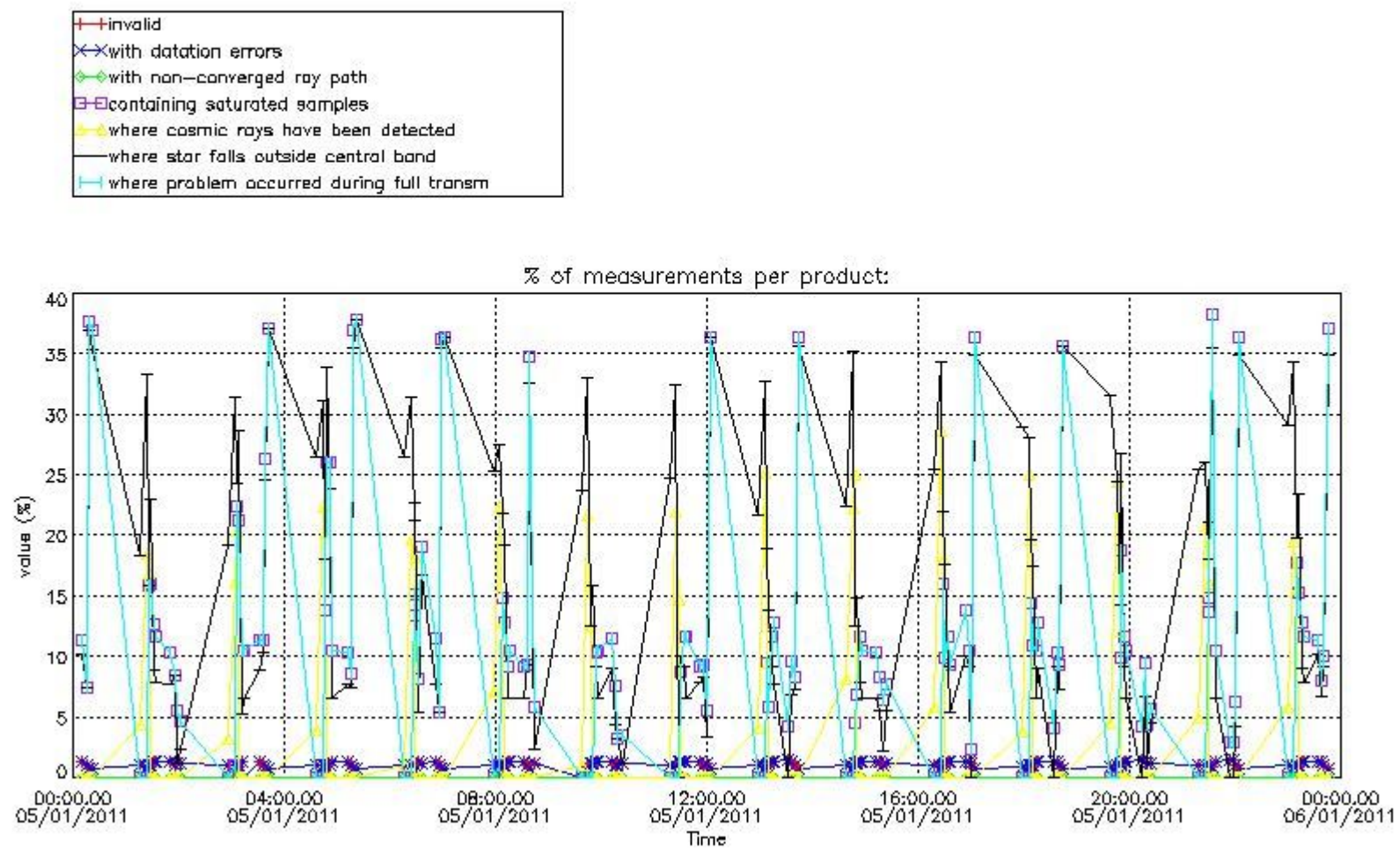
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

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

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

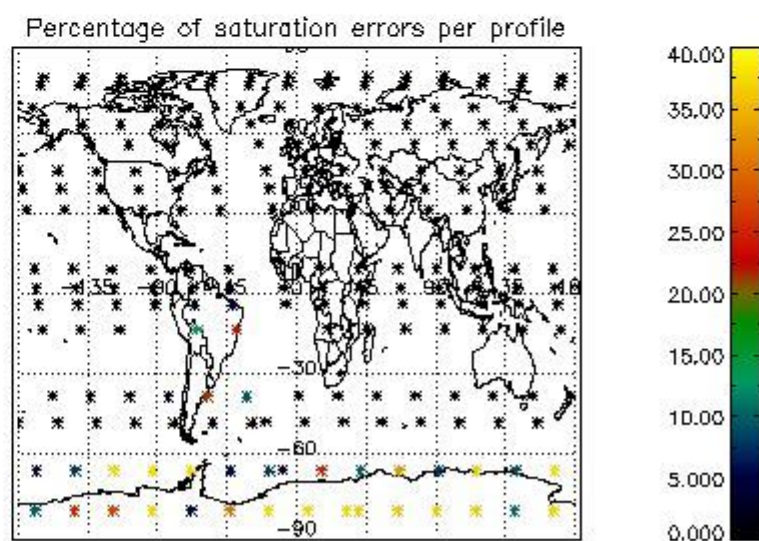
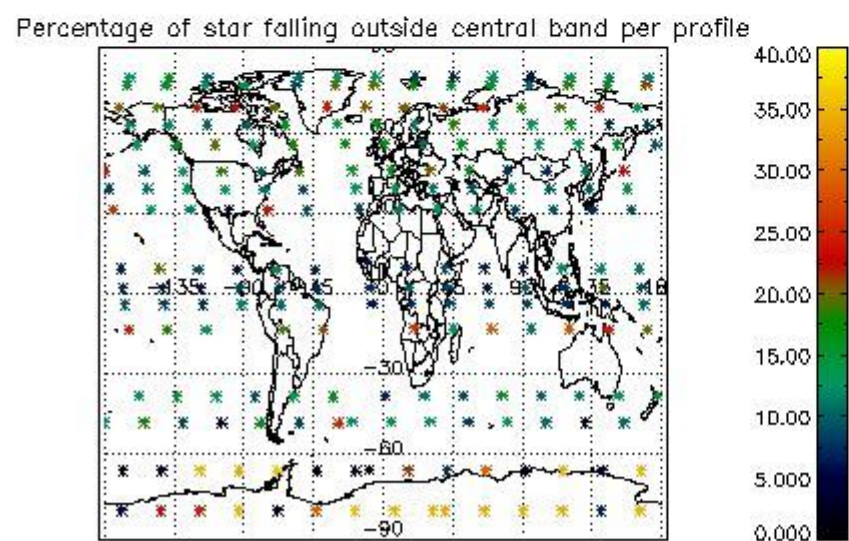
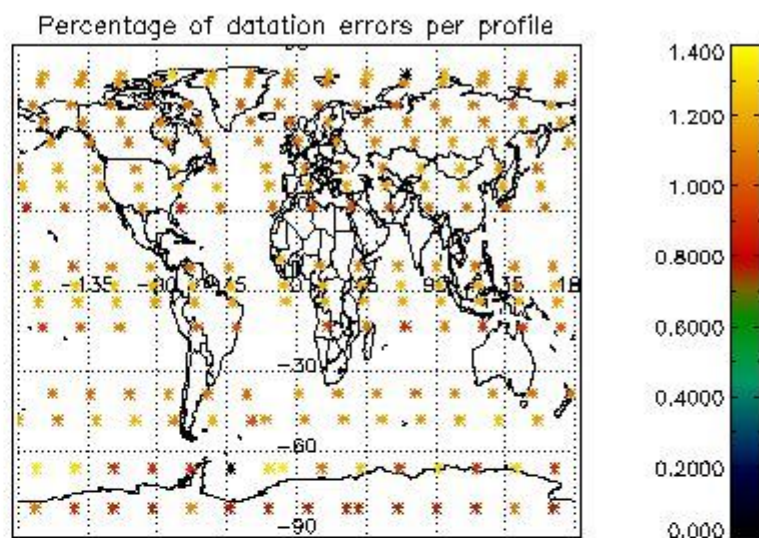
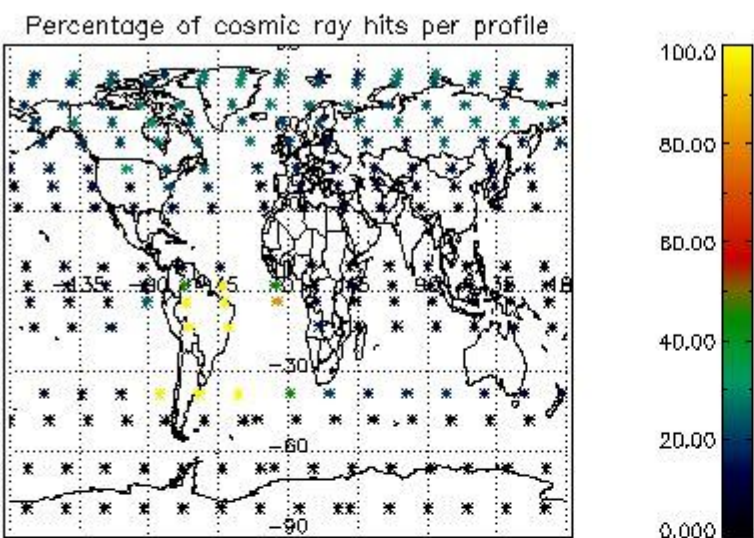


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

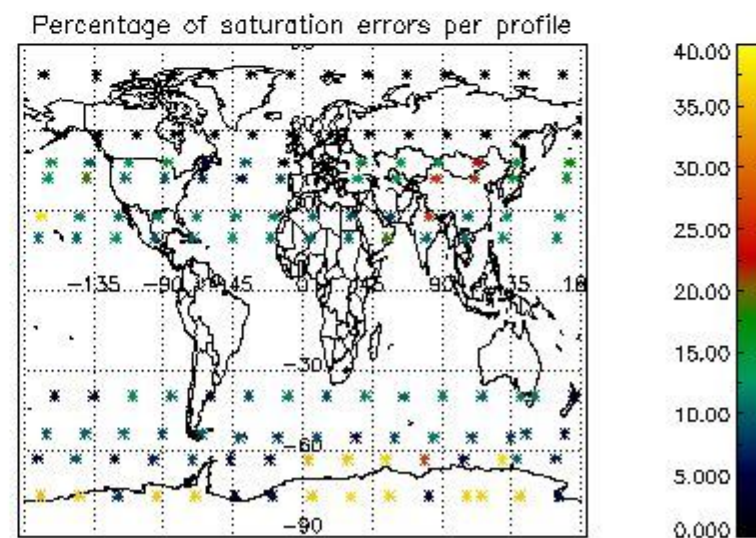
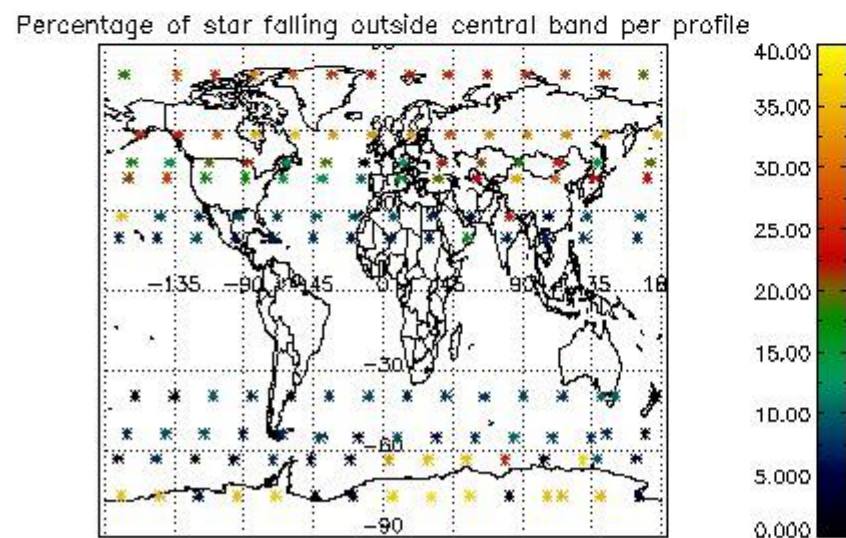
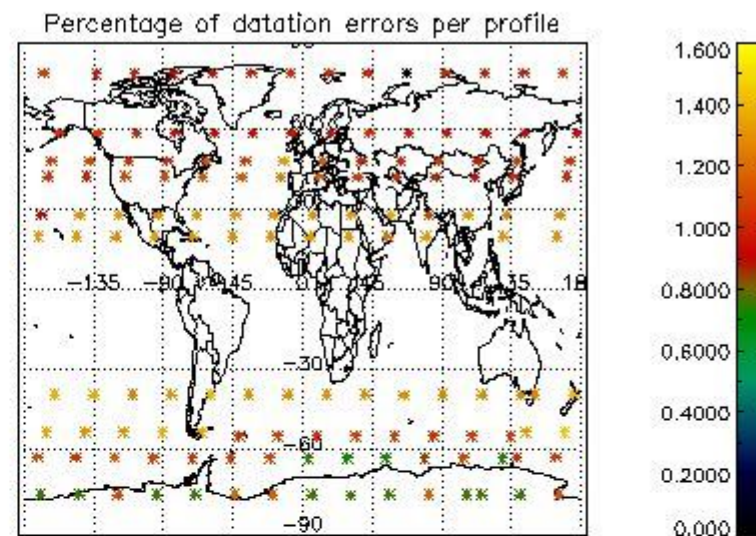
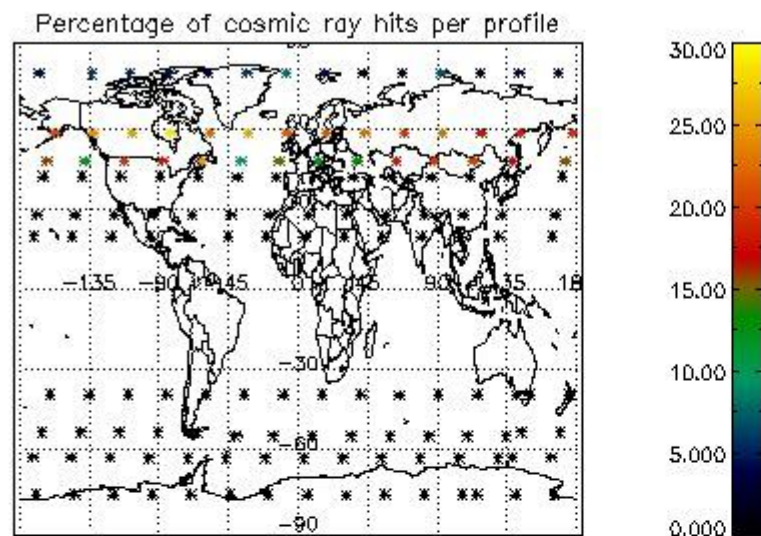


4.2 Plot quality information per product coming from level 1b processing (world map)

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



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



## 5. Trace gas profiles

### 5.1 Ozone statistics based on quality of products

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

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

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

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

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

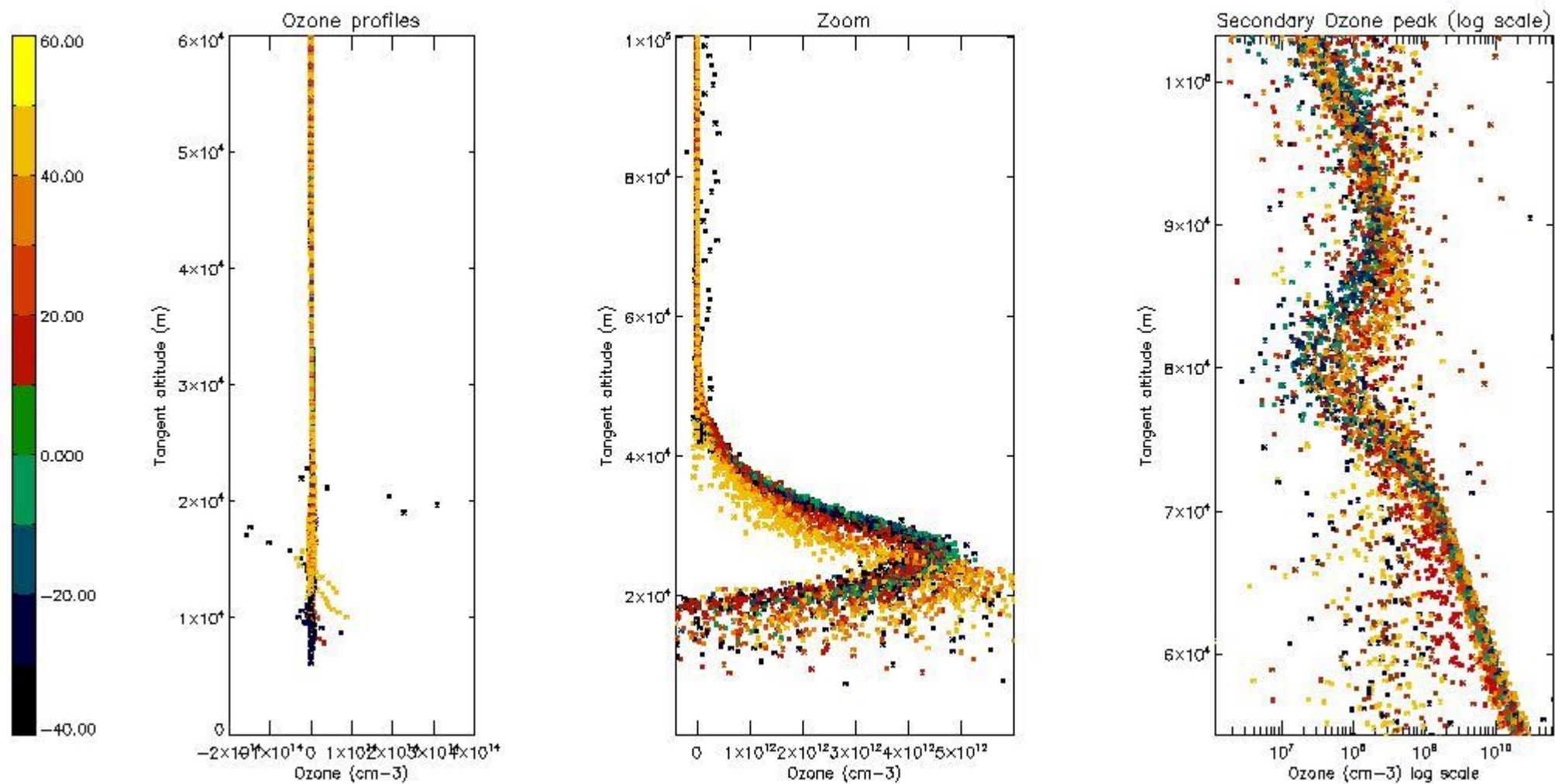
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	37
STD < 20	17

STD < 10	13
STD < 5	8

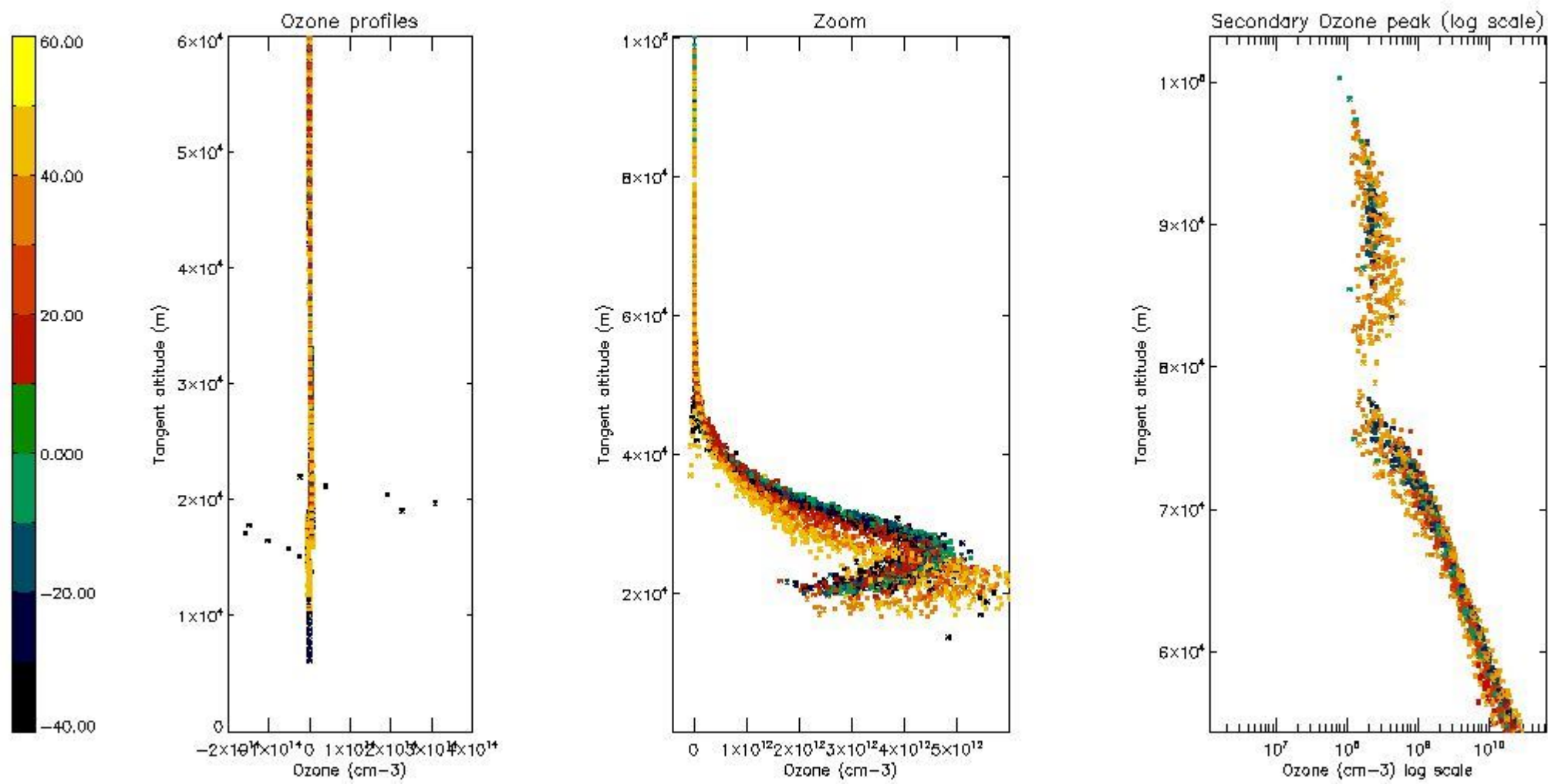
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



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

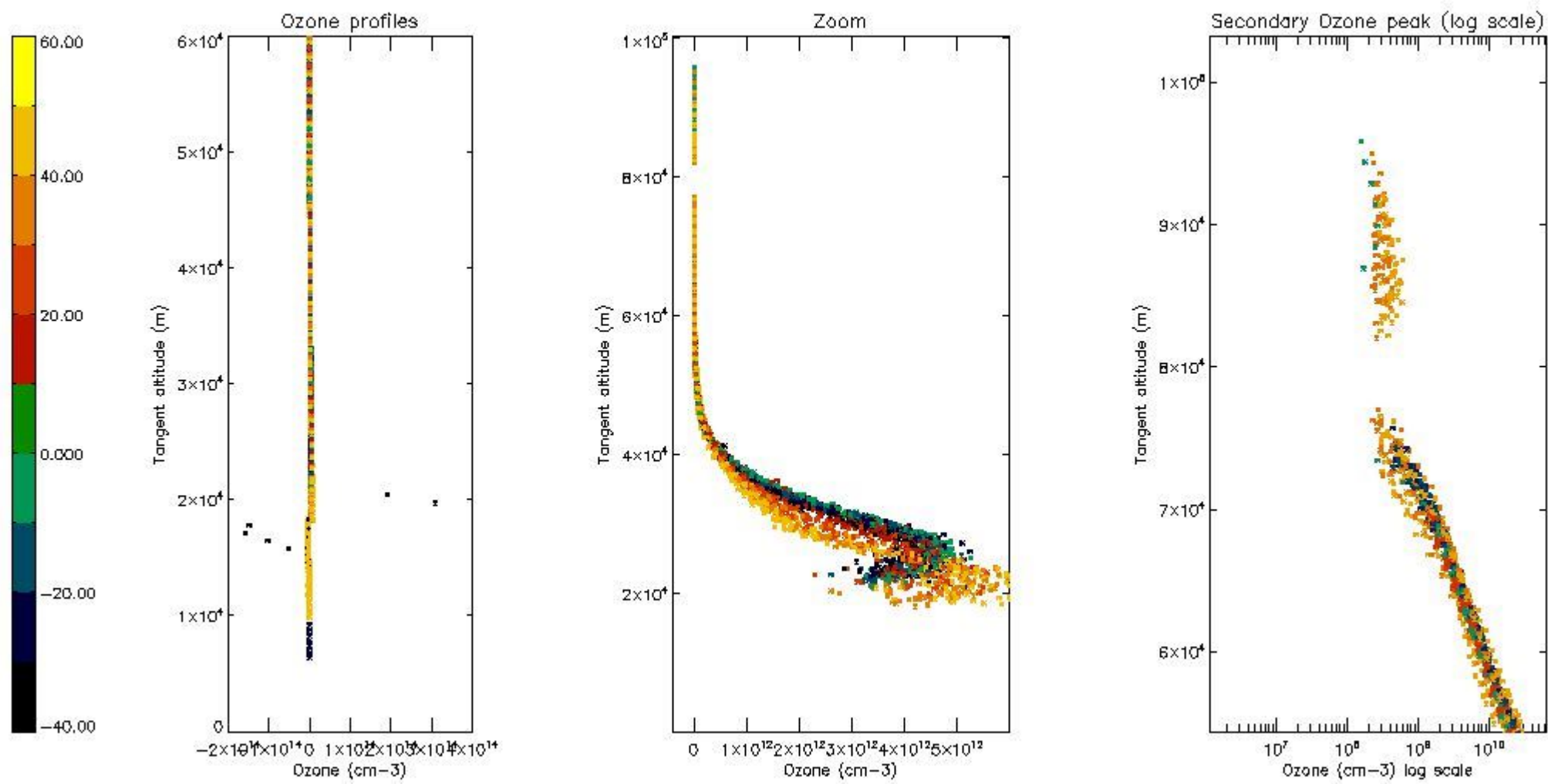
The colorbar represents the latitude.



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

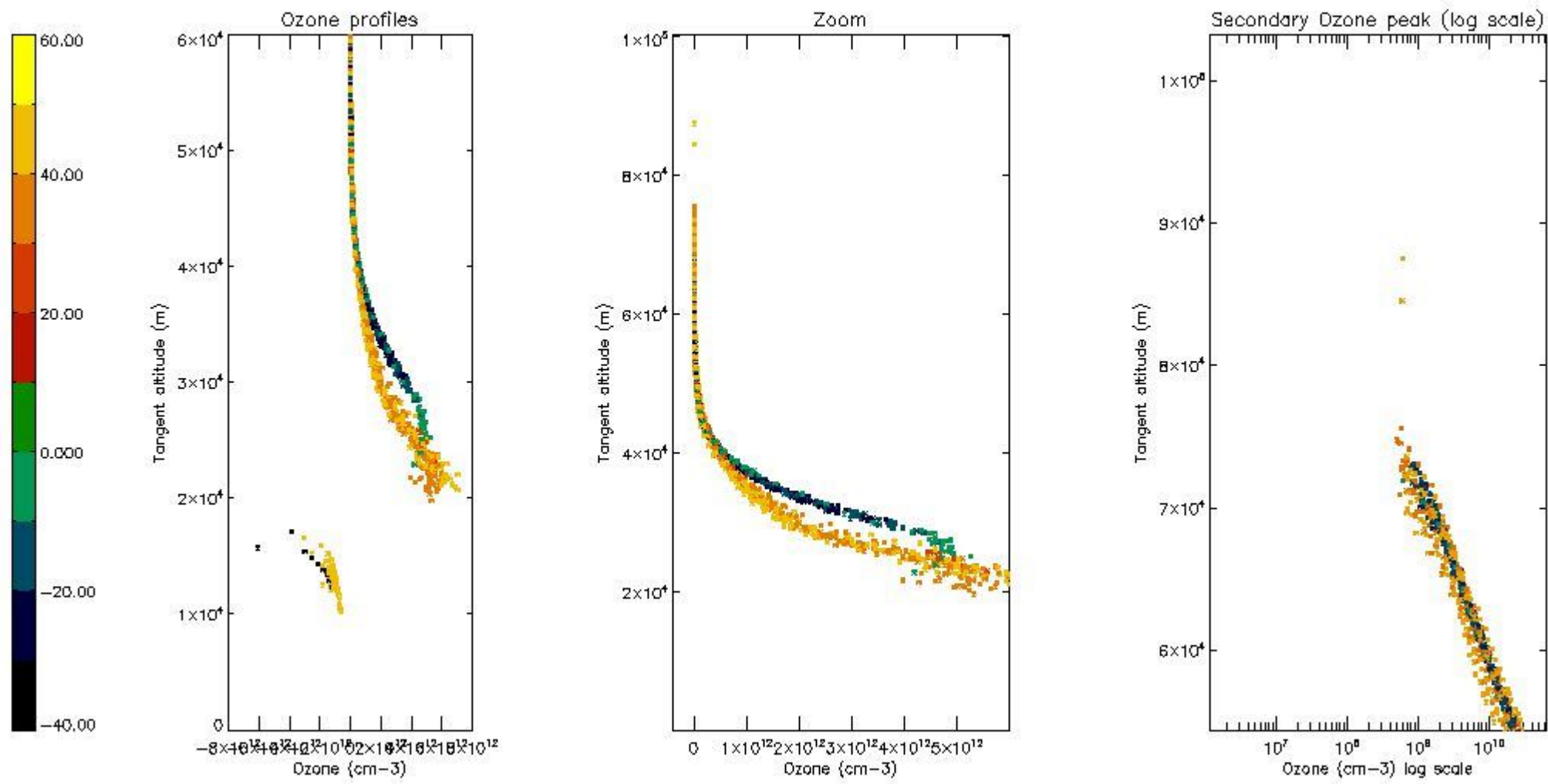
The colorbar represents the latitude.





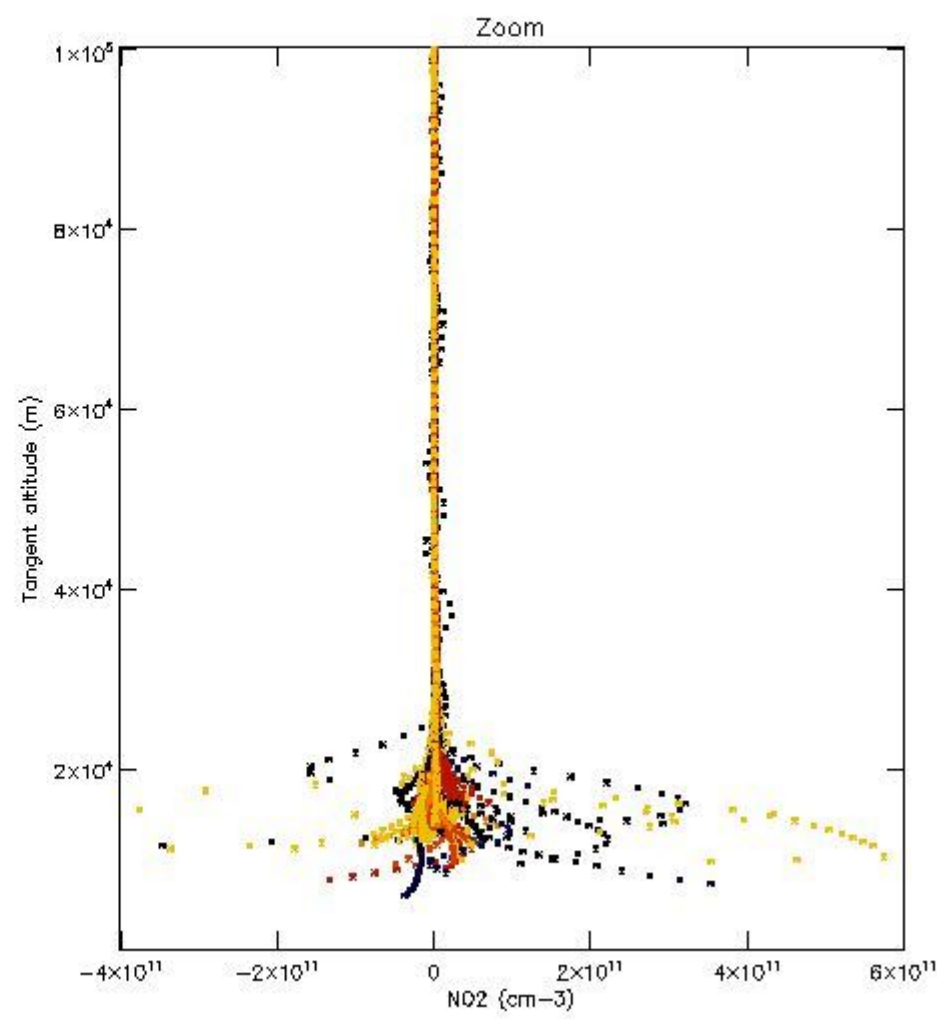
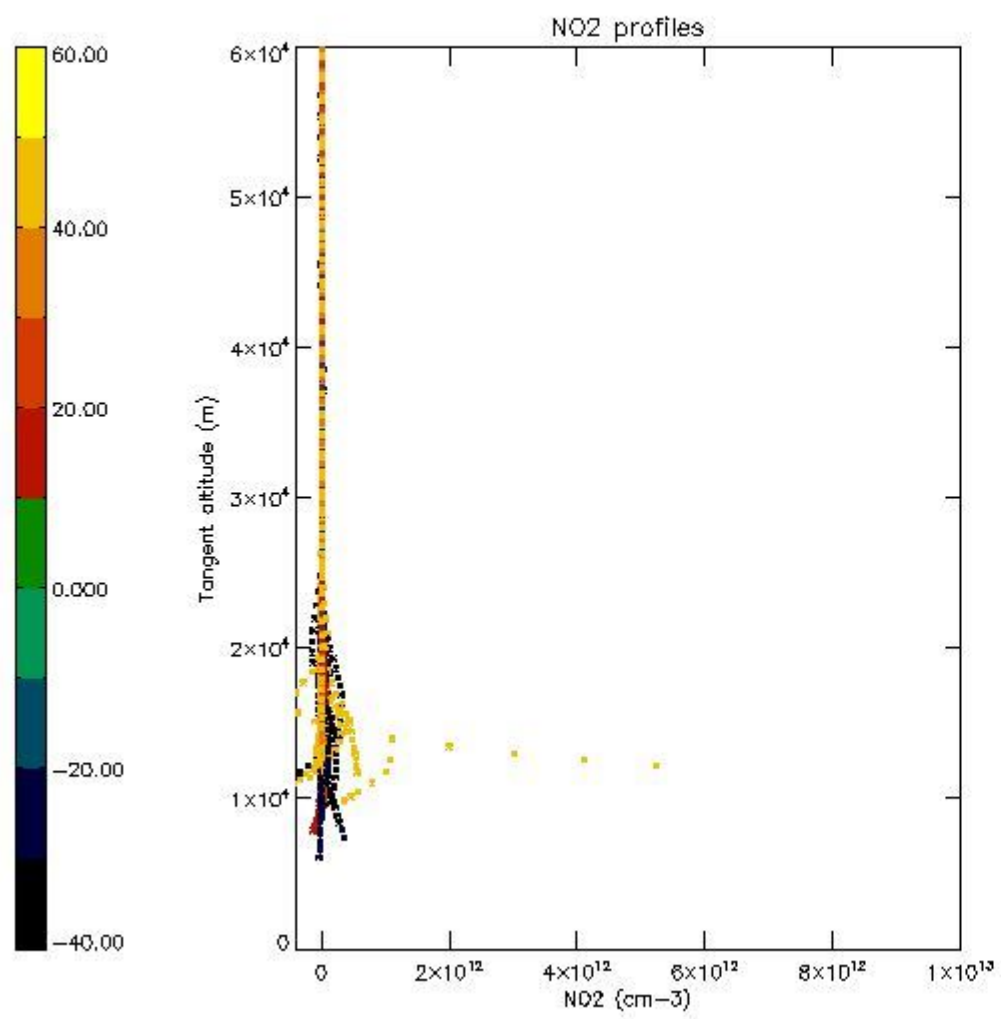
*5.5 Plot ozone profiles where  $STD < 5\%$  (dark without errors)*

The colorbar represents the latitude.



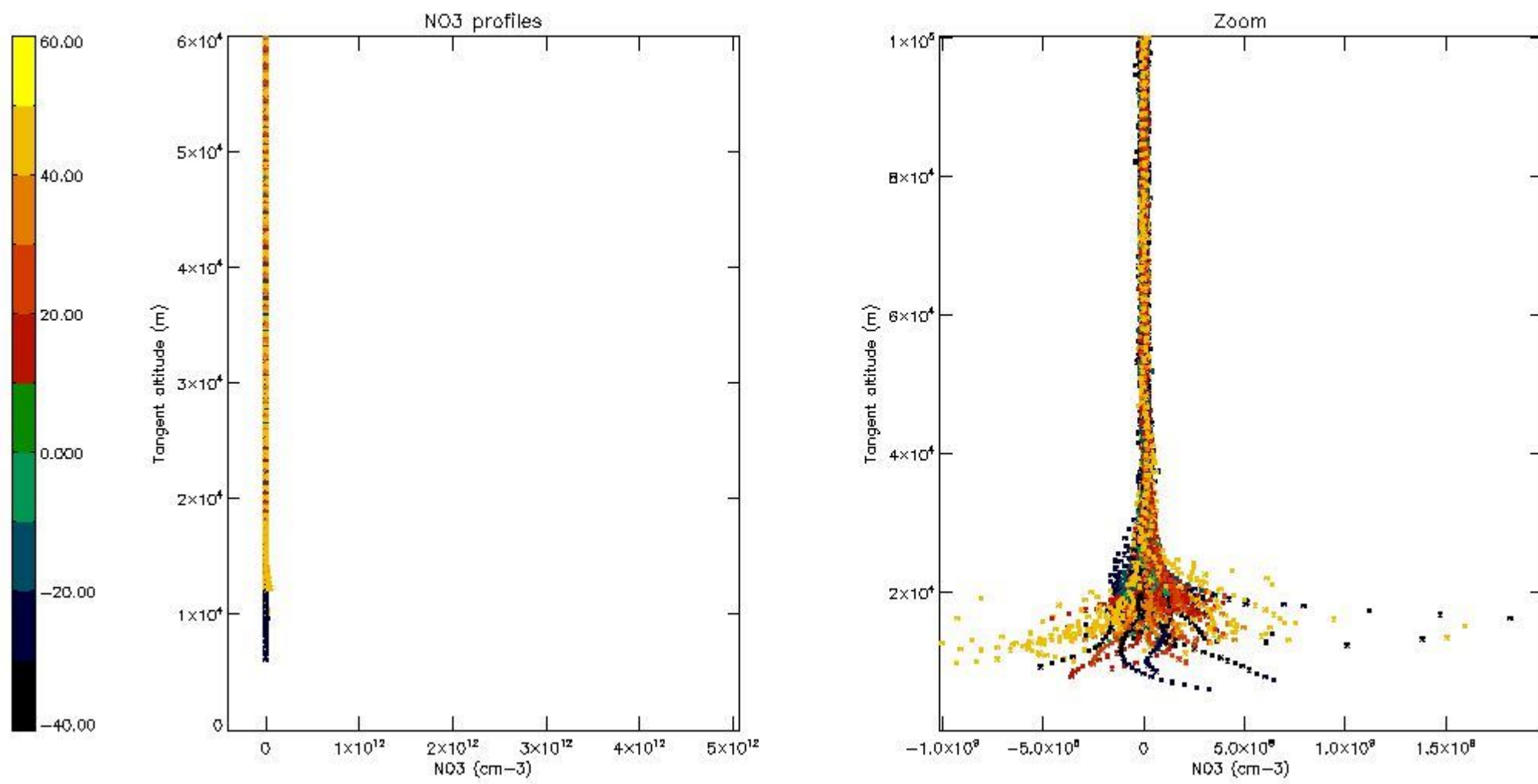
*5.6 Plot NO<sub>2</sub> profiles for all STD (dark without errors)*

The colorbar represents the latitude.



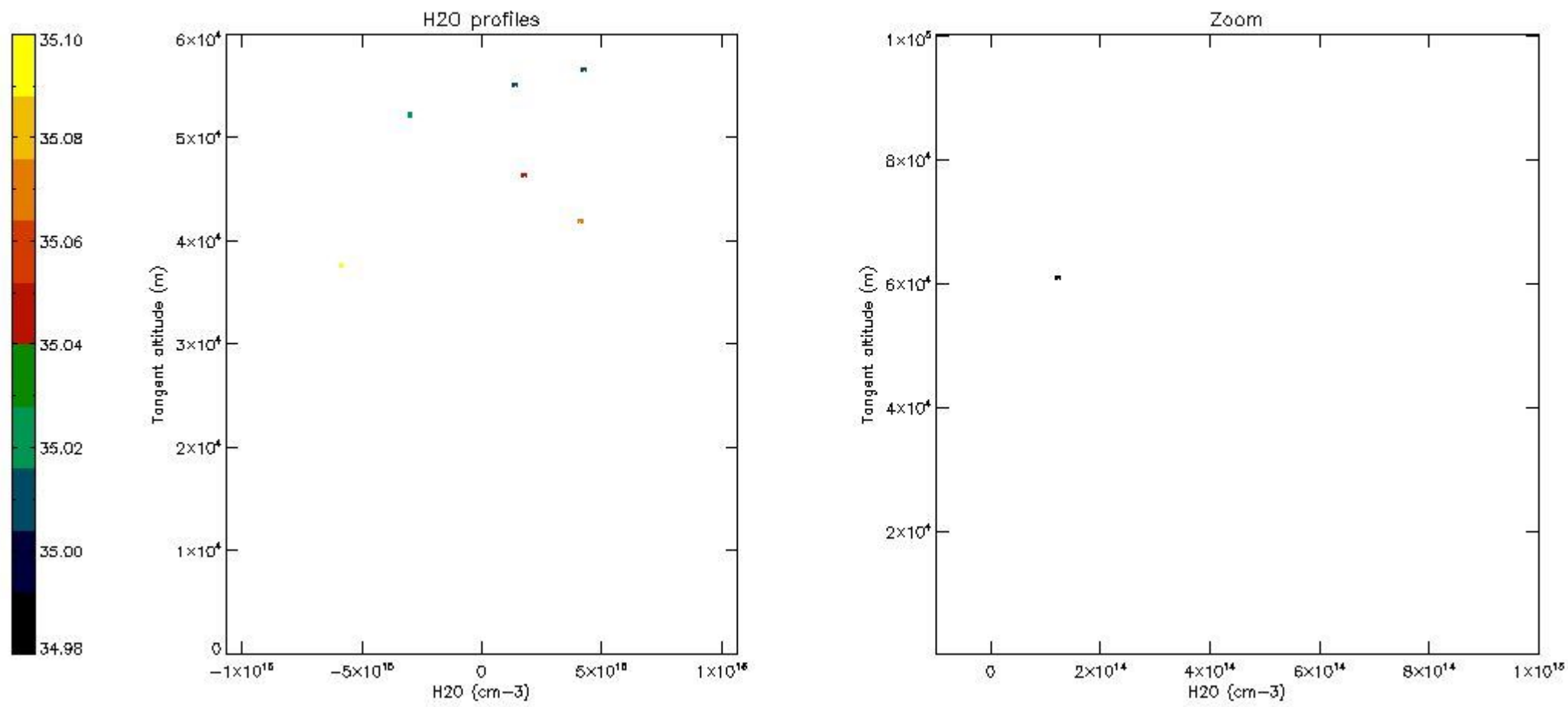
*5.7 Plot NO3 profiles for all STD (dark without errors)*

The colorbar represents the latitude.



*5.8 Plot H2O profiles for all STD (only for occultations of stars 1,2,3,4,13,14,16,26,63 dark without errors)*

The colorbar represents the latitude.



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

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

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	05-JAN-2011 00:10:43
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	05-JAN-2011 00:10:43
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	05-JAN-2011 00:10:43

# GOMOS Level 2 Daily Report

## SUMMARY

### [1. General Info](#)

### [2. Summary of processed GOM\\_NL\\_2P products](#)

### [3. Level 2 Quality information per product](#)

#### [3.1 Plot of level 2 quality information per product \(time dependant\)](#)

#### [3.2 Plot of level 2 quality information per product \(world map\)](#)

### [4. Level 1 Quality information per product \(stored on level 2 products\)](#)

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

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

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

#### [4.2 Plot of level 1 quality information per product \(world map\)](#)

##### [4.2.1 Plot of level 1 quality information per product \(world map\): ASCENDING](#)

##### [4.2.2 Plot of level 1 quality information per product \(world map\): DESCENDING](#)

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

#### [5.1 Ozone statistics based on quality of products](#)

#### [5.2 Plot ozone profiles for all STD \(dark without errors\)](#)

#### [5.3 Plot ozone profiles where STD < 20% \(dark without errors\)](#)

#### [5.4. Plot ozone profiles where STD < 10% \(dark without errors\)](#)

#### [5.5. Plot ozone profiles where STD < 5% \(dark without errors\)](#)

#### [5.6 Plot NO2 profiles for all STD \(dark without errors\)](#)

#### [5.7 Plot NO3 profiles for all STD \(dark without errors\)](#)

#### [5.8 Plot H2O profiles \(only for occultations of stars 1,2,3,4,13,14,16,26,63 dark without errors\) for all STD](#)

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

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

Item	Value
Time of report generation	24APR2013 08:43:26
Data source version	GOMOS/6.01
Start time of products	05-01-2011 (05JAN2011 00:00:00)
Stop time of products	06-01-2011 (06JAN2011 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	369
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__2PRFIN20110105_001043_000000403098_00131_46266_3969.N1	05-JAN-2011 00:10:43	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	46266	No
2	GOM_NL__2PRFIN20110105_001508_000000473098_00131_46266_3970.N1	05-JAN-2011 00:15:08	Bright	47.000	55	79Zet UMa	2.0600	10200.	94	46266	No
3	GOM_NL__2PRFIN20110105_001731_000000693098_00131_46266_3971.N1	05-JAN-2011 00:17:31	Bright	69.000	39	85Eta UMa	1.8540	24000.	138	46266	No
4	GOM_NL__2PRFIN20110105_002150_000000653098_00131_46266_3972.N1	05-JAN-2011 00:21:50	Bright	65.000	180	27Gam Boo	3.0400	8000.0	130	46266	No
5	GOM_NL__2PRFIN20110105_002542_000000663098_00131_46266_3973.N1	05-JAN-2011 00:25:42	Bright	66.000	83		2.3780	11000.	132	46266	No
6	GOM_NL__2PRFIN20110105_003104_000000383098_00131_46266_3974.N1	05-JAN-2011 00:31:04	Bright	38.000	102	24Alp Ser	2.6000	4250.0	76	46266	No
7	GOM_NL__2PRFIN20110105_003616_000000513098_00131_46266_3975.N1	05-JAN-2011 00:36:16	Bright	51.000	104	27Bet Lib	2.6140	13100.	102	46266	No
8	GOM_NL__2PRFIN20110105_003903_000000483098_00131_46266_3976.N1	05-JAN-2011 00:39:03	Twilight	48.000	122	9Alp2Lib	2.7470	9700.0	96	46266	No
9	GOM_NL__2PRFIN20110105_004602_000000513098_00131_46266_3977.N1	05-JAN-2011 00:46:02	Dark	51.000	54	5The Cen	2.0550	4500.0	102	46266	No
10	GOM_NL__2PRFIN20110105_004841_000000433098_00131_46266_3978.N1	05-JAN-2011 00:48:41	Dark	42.500	95	Zet Cen	2.5450	26000.	85	46266	No
11	GOM_NL__2PRFIN20110105_005022_000000413098_00132_46267_4007.N1	05-JAN-2011 00:50:22	Dark	40.500	77	Eps Cen	2.3030	28000.	81	46267	No
12	GOM_NL__2PRFIN20110105_005221_000000443098_00132_46267_4008.N1	05-JAN-2011 00:52:21	Dark	44.000	64	Gam Cen	2.2000	10600.	88	46267	No
13	GOM_NL__2PRFIN20110105_005832_000000493098_00132_46267_4009.N1	05-JAN-2011 00:58:32	Dark	48.500	113	Mu Vel	2.6920	5000.0	97	46267	No
14	GOM_NL__2PRFIN20110105_010045_000000413098_00132_46267_4010.N1	05-JAN-2011 01:00:45	Dark	40.500	71	lot Car	2.2460	7700.0	81	46267	No
15	GOM_NL__2PRFIN20110105_010239_000000473098_00132_46267_4011.N1	05-JAN-2011 01:02:39	Dark	47.000	46	Del Vel	1.9540	10600.	94	46267	No
16	GOM_NL__2PRFIN20110105_010528_000000473098_00132_46267_4012.N1	05-JAN-2011 01:05:28	Dark	47.000	34	Gam2Vel	1.7930	23000.	94	46267	No
17	GOM_NL__2PRFIN20110105_010738_000000483098_00132_46267_4013.N1	05-JAN-2011 01:07:38	Dark	47.500	70	Zet Pup	2.2460	39000.	95	46267	No
18	GOM_NL__2PRFIN20110105_010935_000000483098_00132_46267_4014.N1	05-JAN-2011 01:09:35	Dark	47.500	117	Pi Pup	2.7060	3800.0	95	46267	No
19	GOM_NL__2PRFIN20110105_011217_000000443098_00132_46267_4015.N1	05-JAN-2011 01:12:17	Straylight	44.000	23	21Eps CMa	1.5020	26000.	88	46267	No
20	GOM_NL__2PRFIN20110105_011347_000000433098_00132_46267_4016.N1	05-JAN-2011 01:13:47	Straylight	42.500	179	24Omi2CMa	3.0320	24000.	85	46267	No
21	GOM_NL__2PRFIN20110105_011609_000000473098_00132_46267_4017.N1	05-JAN-2011 01:16:09	Straylight	46.500	1	9Alp CMa	-1.4400	11000.	93	46267	No
22	GOM_NL__2PRFIN20110105_012329_000000543098_00132_46267_4018.N1	05-JAN-2011 01:23:29	Twilight	54.000	14	58Alp Ori	0.87000	3000.0	108	46267	No
23	GOM_NL__2PRFIN20110105_012629_000000483098_00132_46267_4019.N1	05-JAN-2011 01:26:29	Twilight	47.500	44	24Gam Gem	1.9280	11000.	95	46267	No
24	GOM_NL__2PRFIN20110105_012809_000000503098_00132_46267_4020.N1	05-JAN-2011 01:28:09	Bright	50.000	151	13Mu Gem	2.8900	3000.0	100	46267	No
25	GOM_NL__2PRFIN20110105_013211_000000403098_00132_46267_4021.N1	05-JAN-2011 01:32:11	Bright	39.500	107	37The Aur	2.6490	11000.	79	46267	No
26	GOM_NL__2PRFIN20110105_013424_000000393098_00132_46267_4022.N1	05-JAN-2011 01:34:24	Bright	38.500	42	34Bet Aur	1.9000	10200.	77	46267	No
27	GOM_NL__2PRFIN20110105_015057_000000393098_00132_46267_4023.N1	05-JAN-2011 01:50:57	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	46267	No
28	GOM_NL__2PRFIN20110105_015521_000000483098_00132_46267_4024.N1	05-JAN-2011 01:55:21	Bright	47.500	55	79Zet UMa	2.0600	10200.	95	46267	No
29	GOM_NL__2PRFIN20110105_015745_000000463098_00132_46267_4025.N1	05-JAN-2011 01:57:45	Bright	45.500	39	85Eta UMa	1.8540	24000.	91	46267	No
30	GOM_NL__2PRFIN20110105_020204_000000433098_00132_46267_4026.N1	05-JAN-2011 02:02:04	Bright	43.000	180	27Gam Boo	3.0400	8000.0	86	46267	No
31	GOM_NL__2PRFIN20110105_020556_000000663098_00132_46267_4027.N1	05-JAN-2011 02:05:56	Bright	66.000	83		2.3780	11000.	132	46267	No
32	GOM_NL__2PRFIN20110105_021118_000000373098_00132_46267_4028.N1	05-JAN-2011 02:11:18	Bright	36.500	102	24Alp Ser	2.6000	4250.0	73	46267	No
33	GOM_NL__2PRFIN20110105_021631_000000413098_00132_46267_4029.N1	05-JAN-2011 02:16:31	Bright	41.000	104	27Bet Lib	2.6140	13100.	82	46267	No
34	GOM_NL__2PRFIN20110105_021918_000000473098_00132_46267_4030.N1	05-JAN-2011 02:19:18	Twilight	46.500	122	9Alp2Lib	2.7470	9700.0	93	46267	No
35	GOM_NL__2PRFIN20110105_022617_000000503098_00132_46267_4031.N1	05-JAN-2011 02:26:17	Dark	50.000	54	5The Cen	2.0550	4500.0	100	46267	No
36	GOM_NL__2PRFIN20110105_022856_000000433098_00132_46267_4032.N1	05-JAN-2011 02:28:56	Dark	42.500	95	Zet Cen	2.5450	26000.	85	46267	No
37	GOM_NL__2PRFIN20110105_023037_000000403098_00133_46268_4014.N1	05-JAN-2011 02:30:37	Dark	39.500	77	Eps Cen	2.3030	28000.	79	46268	No
38	GOM_NL__2PRFIN20110105_023236_000000473098_00133_46268_4015.N1	05-JAN-2011 02:32:36	Dark	47.000	64	Gam Cen	2.2000	10600.	94	46268	No
39	GOM_NL__2PRFIN20110105_023847_000000573098_00133_46268_4016.N1	05-JAN-2011 02:38:47	Dark	57.000	113	Mu Vel	2.6920	5000.0	114	46268	No
40	GOM_NL__2PRFIN20110105_024100_000000423098_00133_46268_4017.N1	05-JAN-2011 02:41:00	Dark	41.500	71	lot Car	2.2460	7700.0	83	46268	No
41	GOM_NL__2PRFIN20110105_024254_000000423098_00133_46268_4018.N1	05-JAN-2011 02:42:54	Dark	41.500	46	Del Vel	1.9540	10600.	83	46268	No
42	GOM_NL__2PRFIN20110105_024543_000000453098_00133_46268_4019.N1	05-JAN-2011 02:45:43	Dark	44.500	34	Gam2Vel	1.7930	23000.	89	46268	No

43	GOM_NL__2PRFIN20110105_024753_000000453098_00133_46268_4020.N1	05-JAN-2011 02:47:53	Dark	45.000	70	Zet Pup	2.2460	39000.	90	46268	No
44	GOM_NL__2PRFIN20110105_024949_000000493098_00133_46268_4021.N1	05-JAN-2011 02:49:49	Dark	49.000	117	Pi Pup	2.7060	3800.0	98	46268	No
45	GOM_NL__2PRFIN20110105_025231_000000443098_00133_46268_4022.N1	05-JAN-2011 02:52:31	Straylight	43.500	23	21Eps CMa	1.5020	26000.	87	46268	No
46	GOM_NL__2PRFIN20110105_025401_000000463098_00133_46268_4023.N1	05-JAN-2011 02:54:01	Straylight	45.500	179	24Omi2CMa	3.0320	24000.	91	46268	No
47	GOM_NL__2PRFIN20110105_025623_000000473098_00133_46268_4024.N1	05-JAN-2011 02:56:23	Straylight	47.000	1	9Alp CMa	-1.4400	11000.	94	46268	No
48	GOM_NL__2PRFIN20110105_030343_000000533098_00133_46268_4025.N1	05-JAN-2011 03:03:43	Twi_and_stray	52.500	14	58Alp Ori	0.87000	3000.0	105	46268	No
49	GOM_NL__2PRFIN20110105_030643_000000523098_00133_46268_4026.N1	05-JAN-2011 03:06:43	Twi_and_stray	51.500	44	24Gam Gem	1.9280	11000.	103	46268	No
50	GOM_NL__2PRFIN20110105_030823_000000543098_00133_46268_4027.N1	05-JAN-2011 03:08:23	Bright	54.000	151	13Mu Gem	2.8900	3000.0	108	46268	No
51	GOM_NL__2PRFIN20110105_031225_000000383098_00133_46268_4028.N1	05-JAN-2011 03:12:25	Bright	38.000	107	37The Aur	2.6490	11000.	76	46268	No
52	GOM_NL__2PRFIN20110105_031438_000000383098_00133_46268_4029.N1	05-JAN-2011 03:14:38	Bright	38.000	42	34Bet Aur	1.9000	10200.	76	46268	No
53	GOM_NL__2PRFIN20110105_033111_000000403098_00133_46268_4030.N1	05-JAN-2011 03:31:11	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	46268	No
54	GOM_NL__2PRFIN20110105_033535_000000493098_00133_46268_4031.N1	05-JAN-2011 03:35:35	Bright	48.500	55	79Zet UMa	2.0600	10200.	97	46268	No
55	GOM_NL__2PRFIN20110105_033759_000000593098_00133_46268_4032.N1	05-JAN-2011 03:37:59	Bright	59.000	39	85Eta UMa	1.8540	24000.	118	46268	No
56	GOM_NL__2PRFIN20110105_034218_000000663098_00133_46268_4033.N1	05-JAN-2011 03:42:18	Bright	66.000	180	27Gam Boo	3.0400	8000.0	132	46268	No
57	GOM_NL__2PRFIN20110105_034610_000000663098_00133_46268_4034.N1	05-JAN-2011 03:46:10	Bright	66.000	83		2.3780	11000.	132	46268	No
58	GOM_NL__2PRFIN20110105_035132_000000563098_00133_46268_4035.N1	05-JAN-2011 03:51:32	Bright	56.000	102	24Alp Ser	2.6000	4250.0	112	46268	No
59	GOM_NL__2PRFIN20110105_035645_000000463098_00133_46268_4036.N1	05-JAN-2011 03:56:45	Bright	45.500	104	27Bet Lib	2.6140	13100.	91	46268	No
60	GOM_NL__2PRFIN20110105_035933_000000443098_00133_46268_4037.N1	05-JAN-2011 03:59:33	Twi_and_stray	44.000	122	9Alp2Lib	2.7470	9700.0	88	46268	No
61	GOM_NL__2PRFIN20110105_040910_000000433098_00133_46268_4038.N1	05-JAN-2011 04:09:10	Dark	43.000	95	Zet Cen	2.5450	26000.	86	46268	No
62	GOM_NL__2PRFIN20110105_041051_000000413098_00134_46269_4039.N1	05-JAN-2011 04:10:51	Dark	40.500	77	Eps Cen	2.3030	28000.	81	46269	No
63	GOM_NL__2PRFIN20110105_041251_000000443098_00134_46269_4040.N1	05-JAN-2011 04:12:51	Dark	43.500	64	Gam Cen	2.2000	10600.	87	46269	No
64	GOM_NL__2PRFIN20110105_041902_000000453098_00134_46269_4041.N1	05-JAN-2011 04:19:02	Dark	45.000	113	Mu Vel	2.6920	5000.0	90	46269	No
65	GOM_NL__2PRFIN20110105_042115_000000433098_00134_46269_4042.N1	05-JAN-2011 04:21:15	Dark	42.500	71	lot Car	2.2460	7700.0	85	46269	No
66	GOM_NL__2PRFIN20110105_042309_000000463098_00134_46269_4043.N1	05-JAN-2011 04:23:09	Dark	46.000	46	Del Vel	1.9540	10600.	92	46269	No
67	GOM_NL__2PRFIN20110105_042557_000000483098_00134_46269_4044.N1	05-JAN-2011 04:25:57	Dark	48.000	34	Gam2Vel	1.7930	23000.	96	46269	No
68	GOM_NL__2PRFIN20110105_042808_000000453098_00134_46269_4045.N1	05-JAN-2011 04:28:08	Dark	44.500	70	Zet Pup	2.2460	39000.	89	46269	No
69	GOM_NL__2PRFIN20110105_043004_000000483098_00134_46269_4046.N1	05-JAN-2011 04:30:04	Dark	48.000	117	Pi Pup	2.7060	3800.0	96	46269	No
70	GOM_NL__2PRFIN20110105_043246_000000453098_00134_46269_4047.N1	05-JAN-2011 04:32:46	Straylight	44.500	23	21Eps CMa	1.5020	26000.	89	46269	No
71	GOM_NL__2PRFIN20110105_043416_000000443098_00134_46269_4048.N1	05-JAN-2011 04:34:16	Straylight	43.500	179	24Omi2CMa	3.0320	24000.	87	46269	No
72	GOM_NL__2PRFIN20110105_043637_000000513098_00134_46269_4049.N1	05-JAN-2011 04:36:37	Straylight	51.000	1	9Alp CMa	-1.4400	11000.	102	46269	No
73	GOM_NL__2PRFIN20110105_044358_000000523098_00134_46269_4050.N1	05-JAN-2011 04:43:58	Twi_and_stray	51.500	14	58Alp Ori	0.87000	3000.0	103	46269	No
74	GOM_NL__2PRFIN20110105_044657_000000473098_00134_46269_4051.N1	05-JAN-2011 04:46:57	Twi_and_stray	47.000	44	24Gam Gem	1.9280	11000.	94	46269	No
75	GOM_NL__2PRFIN20110105_044836_000000583098_00134_46269_4052.N1	05-JAN-2011 04:48:36	Bright	57.500	151	13Mu Gem	2.8900	3000.0	115	46269	No
76	GOM_NL__2PRFIN20110105_045239_000000463098_00134_46269_4053.N1	05-JAN-2011 04:52:39	Bright	46.000	107	37The Aur	2.6490	11000.	92	46269	No
77	GOM_NL__2PRFIN20110105_045452_000000383098_00134_46269_4054.N1	05-JAN-2011 04:54:52	Bright	38.000	42	34Bet Aur	1.9000	10200.	76	46269	No
78	GOM_NL__2PRFIN20110105_051125_000000393098_00134_46269_4055.N1	05-JAN-2011 05:11:25	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	46269	No
79	GOM_NL__2PRFIN20110105_051549_000000473098_00134_46269_4056.N1	05-JAN-2011 05:15:49	Bright	47.000	55	79Zet UMa	2.0600	10200.	94	46269	No
80	GOM_NL__2PRFIN20110105_051813_000000693098_00134_46269_4057.N1	05-JAN-2011 05:18:13	Bright	69.000	39	85Eta UMa	1.8540	24000.	138	46269	No
81	GOM_NL__2PRFIN20110105_052232_000000663098_00134_46269_4058.N1	05-JAN-2011 05:22:32	Bright	66.000	180	27Gam Boo	3.0400	8000.0	132	46269	No
82	GOM_NL__2PRFIN20110105_052624_000000613098_00134_46269_4059.N1	05-JAN-2011 05:26:24	Bright	60.500	83		2.3780	11000.	121	46269	No
83	GOM_NL__2PRFIN20110105_053147_000000563098_00134_46269_4060.N1	05-JAN-2011 05:31:47	Bright	56.000	102	24Alp Ser	2.6000	4250.0	112	46269	No
84	GOM_NL__2PRFIN20110105_053700_000000413098_00134_46269_4061.N1	05-JAN-2011 05:37:00	Bright	40.500	104	27Bet Lib	2.6140	13100.	81	46269	No
85	GOM_NL__2PRFIN20110105_053948_000000473098_00134_46269_4062.N1	05-JAN-2011 05:39:48	Twi_and_stray	47.000	122	9Alp2Lib	2.7470	9700.0	94	46269	No
86	GOM_NL__2PRFIN20110105_054647_000000463098_00134_46269_4063.N1	05-JAN-2011 05:46:47	Dark	46.000	54	5The Cen	2.0550	4500.0	92	46269	No
87	GOM_NL__2PRFIN20110105_054925_000000413098_00134_46269_4064.N1	05-JAN-2011 05:49:25	Dark	41.000	95	Zet Cen	2.5450	26000.	82	46269	No
88	GOM_NL__2PRFIN20110105_055106_000000403098_00135_46270_4025.N1	05-JAN-2011 05:51:06	Dark	40.000	77	Eps Cen	2.3030	28000.	80	46270	No
89	GOM_NL__2PRFIN20110105_055306_000000453098_00135_46270_4026.N1	05-JAN-2011 05:53:06	Dark	45.000	64	Gam Cen	2.2000	10600.	90	46270	No
90	GOM_NL__2PRFIN20110105_055917_000000493098_00135_46270_4027.N1	05-JAN-2011 05:59:17	Dark	48.500	113	Mu Vel	2.6920	5000.0	97	46270	No
91	GOM_NL__2PRFIN20110105_060129_000000433098_00135_46270_4028.N1	05-JAN-2011 06:01:29	Dark	43.000	71	lot Car	2.2460	7700.0	86	46270	No
92	GOM_NL__2PRFIN20110105_060323_000000433098_00135_46270_4029.N1	05-JAN-2011 06:03:23	Dark	43.000	46	Del Vel	1.9540	10600.	86	46270	No
93	GOM_NL__2PRFIN20110105_060612_000000463098_00135_46270_4030.N1	05-JAN-2011 06:06:12	Dark	46.000	34	Gam2Vel	1.7930	23000.	92	46270	No
94	GOM_NL__2PRFIN20110105_060822_000000463098_00135_46270_4031.N1	05-JAN-2011 06:08:22	Dark	45.500	70	Zet Pup	2.2460	39000.	91	46270	No
95	GOM_NL__2PRFIN20110105_061018_000000473098_00135_46270_4032.N1	05-JAN-2011 06:10:18	Dark	47.000	117	Pi Pup	2.7060	3800.0	94	46270	No
96	GOM_NL__2PRFIN20110105_061300_000000453098_00135_46270_4033.N1	05-JAN-2011 06:13:00	Straylight	44.500	23	21Eps CMa	1.5020	26000.	89	46270	No
97	GOM_NL__2PRFIN20110105_061430_000000433098_00135_46270_4034.N1	05-JAN-2011 06:14:30	Straylight	43.000	179	24Omi2CMa	3.0320	24000.	86	46270	No
98	GOM_NL__2PRFIN20110105_061652_000000513098_00135_46270_4035.N1	05-JAN-2011 06:16:52	Straylight	51.000	1	9Alp CMa	-1.4400	11000.	102	46270	No
99	GOM_NL__2PRFIN20110105_062412_000000513098_00135_46270_4036.N1	05-JAN-2011 06:24:12	Twi_and_stray	51.000	14	58Alp Ori	0.87000	3000.0	102	46270	No
100	GOM_NL__2PRFIN20110105_062711_000000503098_00135_46270_4037.N1	05-JAN-2011 06:27:11	Twi_and_stray	49.500	44	24Gam Gem	1.9280	11000.	99	46270	No
101	GOM_NL__2PRFIN20110105_062851_000000493098_00135_46270_4038.N1	05-JAN-2011 06:28:51	Bright	48.500	151	13Mu Gem	2.8900	3000.0	97	46270	No



102	GOM_NL__2PRFIN20110105_063253_000000373098_00135_46270_4039.N1	05-JAN-2011 06:32:53	Bright	37.000	107	37The Aur	2.6490	11000.	74	46270	No
103	GOM_NL__2PRFIN20110105_063505_000000423098_00135_46270_4040.N1	05-JAN-2011 06:35:05	Bright	42.000	42	34Bet Aur	1.9000	10200.	84	46270	No
104	GOM_NL__2PRFIN20110105_065139_000000393098_00135_46270_4041.N1	05-JAN-2011 06:51:39	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	46270	No
105	GOM_NL__2PRFIN20110105_065602_000000473098_00135_46270_4042.N1	05-JAN-2011 06:56:02	Bright	46.500	55	79Zet UMa	2.0600	10200.	93	46270	No
106	GOM_NL__2PRFIN20110105_065826_000000693098_00135_46270_4043.N1	05-JAN-2011 06:58:26	Bright	69.000	39	85Eta UMa	1.8540	24000.	138	46270	No
107	GOM_NL__2PRFIN20110105_070246_000000663098_00135_46270_4044.N1	05-JAN-2011 07:02:46	Bright	66.000	180	27Gam Boo	3.0400	8000.0	132	46270	No
108	GOM_NL__2PRFIN20110105_070639_000000453098_00135_46270_4045.N1	05-JAN-2011 07:06:39	Bright	44.500	83		2.3780	11000.	89	46270	No
109	GOM_NL__2PRFIN20110105_071201_000000563098_00135_46270_4046.N1	05-JAN-2011 07:12:01	Bright	56.000	102	24Alp Ser	2.6000	4250.0	112	46270	No
110	GOM_NL__2PRFIN20110105_071714_000000423098_00135_46270_4047.N1	05-JAN-2011 07:17:14	Bright	42.000	104	27Bet Lib	2.6140	13100.	84	46270	No
111	GOM_NL__2PRFIN20110105_072002_000000483098_00135_46270_4048.N1	05-JAN-2011 07:20:02	Twi_and_stray	48.000	122	9Alp2Lib	2.7470	9700.0	96	46270	No
112	GOM_NL__2PRFIN20110105_072702_000000493098_00135_46270_4049.N1	05-JAN-2011 07:27:02	Dark	49.000	54	5The Cen	2.0550	4500.0	98	46270	No
113	GOM_NL__2PRFIN20110105_072940_000000413098_00135_46270_4050.N1	05-JAN-2011 07:29:40	Dark	41.000	95	Zet Cen	2.5450	26000.	82	46270	No
114	GOM_NL__2PRFIN20110105_073121_000000403098_00136_46271_4094.N1	05-JAN-2011 07:31:21	Dark	39.500	77	Eps Cen	2.3030	28000.	79	46271	No
115	GOM_NL__2PRFIN20110105_073320_000000513098_00136_46271_4095.N1	05-JAN-2011 07:33:20	Dark	51.000	64	Gam Cen	2.2000	10600.	102	46271	No
116	GOM_NL__2PRFIN20110105_073932_000000503098_00136_46271_4096.N1	05-JAN-2011 07:39:32	Dark	49.500	113	Mu Vel	2.6920	5000.0	99	46271	No
117	GOM_NL__2PRFIN20110105_074144_000000423098_00136_46271_4097.N1	05-JAN-2011 07:41:44	Dark	41.500	71	lot Car	2.2460	7700.0	83	46271	No
118	GOM_NL__2PRFIN20110105_074338_000000423098_00136_46271_4098.N1	05-JAN-2011 07:43:38	Dark	42.000	46	Del Vel	1.9540	10600.	84	46271	No
119	GOM_NL__2PRFIN20110105_074626_000000443098_00136_46271_4099.N1	05-JAN-2011 07:46:26	Dark	43.500	34	Gam2Vel	1.7930	23000.	87	46271	No
120	GOM_NL__2PRFIN20110105_074837_000000453098_00136_46271_4100.N1	05-JAN-2011 07:48:37	Dark	45.000	70	Zet Pup	2.2460	39000.	90	46271	No
121	GOM_NL__2PRFIN20110105_075033_000000473098_00136_46271_4101.N1	05-JAN-2011 07:50:33	Dark	47.000	117	Pi Pup	2.7060	3800.0	94	46271	No
122	GOM_NL__2PRFIN20110105_075315_000000483098_00136_46271_4102.N1	05-JAN-2011 07:53:15	Straylight	47.500	23	21Eps CMa	1.5020	26000.	95	46271	No
123	GOM_NL__2PRFIN20110105_075444_000000433098_00136_46271_4103.N1	05-JAN-2011 07:54:44	Straylight	43.000	179	24Omi2CMa	3.0320	24000.	86	46271	No
124	GOM_NL__2PRFIN20110105_075706_000000503098_00136_46271_4104.N1	05-JAN-2011 07:57:06	Straylight	49.500	1	9Alp CMa	-1.4400	11000.	99	46271	No
125	GOM_NL__2PRFIN20110105_080426_000000493098_00136_46271_4105.N1	05-JAN-2011 08:04:26	Twi_and_stray	49.000	14	58Alp Ori	0.87000	3000.0	98	46271	No
126	GOM_NL__2PRFIN20110105_080725_000000513098_00136_46271_4106.N1	05-JAN-2011 08:07:25	Twi_and_stray	50.500	44	24Gam Gem	1.9280	11000.	101	46271	No
127	GOM_NL__2PRFIN20110105_080904_000000473098_00136_46271_4107.N1	05-JAN-2011 08:09:04	Bright	47.000	151	13Mu Gem	2.8900	3000.0	94	46271	No
128	GOM_NL__2PRFIN20110105_081307_000000383098_00136_46271_4108.N1	05-JAN-2011 08:13:07	Bright	38.000	107	37The Aur	2.6490	11000.	76	46271	No
129	GOM_NL__2PRFIN20110105_081519_000000383098_00136_46271_4109.N1	05-JAN-2011 08:15:19	Bright	38.000	42	34Bet Aur	1.9000	10200.	76	46271	No
130	GOM_NL__2PRFIN20110105_083153_000000393098_00136_46271_4110.N1	05-JAN-2011 08:31:53	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	46271	No
131	GOM_NL__2PRFIN20110105_083616_000000483098_00136_46271_4111.N1	05-JAN-2011 08:36:16	Bright	48.000	55	79Zet UMa	2.0600	10200.	96	46271	No
132	GOM_NL__2PRFIN20110105_083840_000000683098_00136_46271_4112.N1	05-JAN-2011 08:38:40	Bright	67.500	39	85Eta UMa	1.8540	24000.	135	46271	No
133	GOM_NL__2PRFIN20110105_084300_000000443098_00136_46271_4113.N1	05-JAN-2011 08:43:00	Bright	43.500	180	27Gam Boo	3.0400	8000.0	87	46271	No
134	GOM_NL__2PRFIN20110105_084653_000000663098_00136_46271_4114.N1	05-JAN-2011 08:46:53	Bright	66.000	83		2.3780	11000.	132	46271	No
135	GOM_NL__2PRFIN20110105_085216_000000383098_00136_46271_4115.N1	05-JAN-2011 08:52:16	Bright	38.000	102	24Alp Ser	2.6000	4250.0	76	46271	No
136	GOM_NL__2PRFIN20110105_085729_000000473098_00136_46271_4116.N1	05-JAN-2011 08:57:29	Bright	46.500	104	27Bet Lib	2.6140	13100.	93	46271	No
137	GOM_NL__2PRFIN20110105_090017_000000473098_00136_46271_4117.N1	05-JAN-2011 09:00:17	Twi_and_stray	46.500	122	9Alp2Lib	2.7470	9700.0	93	46271	No
138	GOM_NL__2PRFIN20110105_090717_000000543098_00136_46271_4118.N1	05-JAN-2011 09:07:17	Dark	53.500	54	5The Cen	2.0550	4500.0	107	46271	No
139	GOM_NL__2PRFIN20110105_090955_000000423098_00136_46271_4119.N1	05-JAN-2011 09:09:55	Dark	42.000	95	Zet Cen	2.5450	26000.	84	46271	No
140	GOM_NL__2PRFIN20110105_091135_000000413098_00137_46272_4120.N1	05-JAN-2011 09:11:35	Dark	40.500	77	Eps Cen	2.3030	28000.	81	46272	No
141	GOM_NL__2PRFIN20110105_091335_000000443098_00137_46272_4121.N1	05-JAN-2011 09:13:35	Dark	44.000	64	Gam Cen	2.2000	10600.	88	46272	No
142	GOM_NL__2PRFIN20110105_091947_000000593098_00137_46272_4122.N1	05-JAN-2011 09:19:47	Dark	58.500	113	Mu Vel	2.6920	5000.0	117	46272	No
143	GOM_NL__2PRFIN20110105_092158_000000413098_00137_46272_4123.N1	05-JAN-2011 09:21:58	Dark	40.500	71	lot Car	2.2460	7700.0	81	46272	No
144	GOM_NL__2PRFIN20110105_092352_000000503098_00137_46272_4124.N1	05-JAN-2011 09:23:52	Dark	49.500	46	Del Vel	1.9540	10600.	99	46272	No
145	GOM_NL__2PRFIN20110105_092641_000000433098_00137_46272_4125.N1	05-JAN-2011 09:26:41	Dark	42.500	34	Gam2Vel	1.7930	23000.	85	46272	No
146	GOM_NL__2PRFIN20110105_092851_000000443098_00137_46272_4126.N1	05-JAN-2011 09:28:51	Dark	43.500	70	Zet Pup	2.2460	39000.	87	46272	No
147	GOM_NL__2PRFIN20110105_093047_000000443098_00137_46272_4127.N1	05-JAN-2011 09:30:47	Dark	44.000	117	Pi Pup	2.7060	3800.0	88	46272	No
148	GOM_NL__2PRFIN20110105_093329_000000463098_00137_46272_4128.N1	05-JAN-2011 09:33:29	Straylight	45.500	23	21Eps CMa	1.5020	26000.	91	46272	No
149	GOM_NL__2PRFIN20110105_093458_000000443098_00137_46272_4129.N1	05-JAN-2011 09:34:58	Straylight	44.000	179	24Omi2CMa	3.0320	24000.	88	46272	No
150	GOM_NL__2PRFIN20110105_093720_000000493098_00137_46272_4130.N1	05-JAN-2011 09:37:20	Straylight	48.500	1	9Alp CMa	-1.4400	11000.	97	46272	No
151	GOM_NL__2PRFIN20110105_094440_000000533098_00137_46272_4131.N1	05-JAN-2011 09:44:40	Twi_and_stray	53.000	14	58Alp Ori	0.87000	3000.0	106	46272	No
152	GOM_NL__2PRFIN20110105_094738_000000443098_00137_46272_4132.N1	05-JAN-2011 09:47:38	Twi_and_stray	44.000	44	24Gam Gem	1.9280	11000.	88	46272	No
153	GOM_NL__2PRFIN20110105_094918_000000443098_00137_46272_4133.N1	05-JAN-2011 09:49:18	Bright	44.000	151	13Mu Gem	2.8900	3000.0	88	46272	No
154	GOM_NL__2PRFIN20110105_095320_000000393098_00137_46272_4134.N1	05-JAN-2011 09:53:20	Bright	38.500	107	37The Aur	2.6490	11000.	77	46272	No
155	GOM_NL__2PRFIN20110105_095533_000000383098_00137_46272_4135.N1	05-JAN-2011 09:55:33	Bright	38.000	42	34Bet Aur	1.9000	10200.	76	46272	No
156	GOM_NL__2PRFIN20110105_101207_000000393098_00137_46272_4136.N1	05-JAN-2011 10:12:07	Bright	39.000	60	7Bet UMi	2.0810	3950.0	78	46272	No
157	GOM_NL__2PRFIN20110105_101630_000000473098_00137_46272_4137.N1	05-JAN-2011 10:16:30	Bright	46.500	55	79Zet UMa	2.0600	10200.	93	46272	No
158	GOM_NL__2PRFIN20110105_101854_000000463098_00137_46272_4138.N1	05-JAN-2011 10:18:54	Bright	46.000	39	85Eta UMa	1.8540	24000.	92	46272	No
159	GOM_NL__2PRFIN20110105_102314_000000433098_00137_46272_4139.N1	05-JAN-2011 10:23:14	Bright	42.500	180	27Gam Boo	3.0400	8000.0	85	46272	No
160	GOM_NL__2PRFIN20110105_102707_000000573098_00137_46272_4140.N1	05-JAN-2011 10:27:07	Bright	57.000	83		2.3780	11000.	114	46272	No

161	GOM_NL__2PRFIN20110105_103230_000000373098_00137_46272_4141.N1	05-JAN-2011 10:32:30	Bright	37.000	102	24Alp Ser	2.6000	4250.0	74	46272	No
162	GOM_NL__2PRFIN20110105_103744_000000433098_00137_46272_4142.N1	05-JAN-2011 10:37:44	Bright	43.000	104	27Bet Lib	2.6140	13100.	86	46272	No
163	GOM_NL__2PRFIN20110105_104032_000000483098_00137_46272_4143.N1	05-JAN-2011 10:40:32	Tw_i_and_stray	48.000	122	9Alp2Lib	2.7470	9700.0	96	46272	No
164	GOM_NL__2PRFIN20110105_104731_000000503098_00137_46272_4144.N1	05-JAN-2011 10:47:31	Dark	50.000	54	5The Cen	2.0550	4500.0	100	46272	No
165	GOM_NL__2PRFIN20110105_105009_000000433098_00137_46272_4145.N1	05-JAN-2011 10:50:09	Dark	43.000	95	Zet Cen	2.5450	26000.	86	46272	No
166	GOM_NL__2PRFIN20110105_105150_000000413098_00138_46273_4171.N1	05-JAN-2011 10:51:50	Dark	40.500	77	Eps Cen	2.3030	28000.	81	46273	No
167	GOM_NL__2PRFIN20110105_105350_000000463098_00138_46273_4172.N1	05-JAN-2011 10:53:50	Dark	45.500	64	Gam Cen	2.2000	10600.	91	46273	No
168	GOM_NL__2PRFIN20110105_110001_000000483098_00138_46273_4173.N1	05-JAN-2011 11:00:01	Dark	48.000	113	Mu Vel	2.6920	5000.0	96	46273	No
169	GOM_NL__2PRFIN20110105_110213_000000433098_00138_46273_4174.N1	05-JAN-2011 11:02:13	Dark	43.000	71	lot Car	2.2460	7700.0	86	46273	No
170	GOM_NL__2PRFIN20110105_110407_000000493098_00138_46273_4175.N1	05-JAN-2011 11:04:07	Dark	49.000	46	Del Vel	1.9540	10600.	98	46273	No
171	GOM_NL__2PRFIN20110105_110655_000000463098_00138_46273_4176.N1	05-JAN-2011 11:06:55	Dark	45.500	34	Gam2Vel	1.7930	23000.	91	46273	No
172	GOM_NL__2PRFIN20110105_110905_000000433098_00138_46273_4177.N1	05-JAN-2011 11:09:05	Dark	43.000	70	Zet Pup	2.2460	39000.	86	46273	No
173	GOM_NL__2PRFIN20110105_111101_000000503098_00138_46273_4178.N1	05-JAN-2011 11:11:01	Dark	49.500	117	Pi Pup	2.7060	3800.0	99	46273	No
174	GOM_NL__2PRFIN20110105_111343_000000463098_00138_46273_4179.N1	05-JAN-2011 11:13:43	Straylight	46.000	23	21Eps CMa	1.5020	26000.	92	46273	No
175	GOM_NL__2PRFIN20110105_111512_000000413098_00138_46273_4180.N1	05-JAN-2011 11:15:12	Straylight	40.500	179	24Omi2CMa	3.0320	24000.	81	46273	No
176	GOM_NL__2PRFIN20110105_111734_000000513098_00138_46273_4181.N1	05-JAN-2011 11:17:34	Straylight	50.500	1	9Alp CMa	-1.4400	11000.	101	46273	No
177	GOM_NL__2PRFIN20110105_112454_000000533098_00138_46273_4182.N1	05-JAN-2011 11:24:54	Tw_i_and_stray	52.500	14	58Alp Ori	0.87000	3000.0	105	46273	No
178	GOM_NL__2PRFIN20110105_112752_000000383098_00138_46273_4183.N1	05-JAN-2011 11:27:52	Tw_i_and_stray	37.500	44	24Gam Gem	1.9280	11000.	75	46273	No
179	GOM_NL__2PRFIN20110105_112932_000000403098_00138_46273_4184.N1	05-JAN-2011 11:29:32	Bright	40.000	151	13Mu Gem	2.8900	3000.0	80	46273	No
180	GOM_NL__2PRFIN20110105_113334_000000393098_00138_46273_4185.N1	05-JAN-2011 11:33:34	Bright	38.500	107	37The Aur	2.6490	11000.	77	46273	No
181	GOM_NL__2PRFIN20110105_113547_000000393098_00138_46273_4186.N1	05-JAN-2011 11:35:47	Bright	38.500	42	34Bet Aur	1.9000	10200.	77	46273	No
182	GOM_NL__2PRFIN20110105_115221_000000393098_00138_46273_4187.N1	05-JAN-2011 11:52:21	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	46273	No
183	GOM_NL__2PRFIN20110105_115643_000000483098_00138_46273_4188.N1	05-JAN-2011 11:56:43	Bright	48.000	55	79Zet UMa	2.0600	10200.	96	46273	No
184	GOM_NL__2PRFIN20110105_115908_000000463098_00138_46273_4189.N1	05-JAN-2011 11:59:08	Bright	45.500	39	85Eta UMa	1.8540	24000.	91	46273	No
185	GOM_NL__2PRFIN20110105_120328_000000663098_00138_46273_4190.N1	05-JAN-2011 12:03:28	Bright	66.000	180	27Gam Boo	3.0400	8000.0	132	46273	No
186	GOM_NL__2PRFIN20110105_120721_000000563098_00138_46273_4191.N1	05-JAN-2011 12:07:21	Bright	56.000	83		2.3780	11000.	112	46273	No
187	GOM_NL__2PRFIN20110105_121244_000000563098_00138_46273_4192.N1	05-JAN-2011 12:12:44	Bright	56.000	102	24Alp Ser	2.6000	4250.0	112	46273	No
188	GOM_NL__2PRFIN20110105_121758_000000433098_00138_46273_4193.N1	05-JAN-2011 12:17:58	Bright	42.500	104	27Bet Lib	2.6140	13100.	85	46273	No
189	GOM_NL__2PRFIN20110105_122046_000000473098_00138_46273_4194.N1	05-JAN-2011 12:20:46	Tw_i_and_stray	46.500	122	9Alp2Lib	2.7470	9700.0	93	46273	No
190	GOM_NL__2PRFIN20110105_122746_000000543098_00138_46273_4195.N1	05-JAN-2011 12:27:46	Dark	53.500	54	5The Cen	2.0550	4500.0	107	46273	No
191	GOM_NL__2PRFIN20110105_123024_000000413098_00138_46273_4196.N1	05-JAN-2011 12:30:24	Dark	40.500	95	Zet Cen	2.5450	26000.	81	46273	No
192	GOM_NL__2PRFIN20110105_123205_000000473098_00139_46274_4193.N1	05-JAN-2011 12:32:05	Dark	46.500	77	Eps Cen	2.3030	28000.	93	46274	No
193	GOM_NL__2PRFIN20110105_123405_000000463098_00139_46274_4194.N1	05-JAN-2011 12:34:05	Dark	46.000	64	Gam Cen	2.2000	10600.	92	46274	No
194	GOM_NL__2PRFIN20110105_124016_000000473098_00139_46274_4195.N1	05-JAN-2011 12:40:16	Dark	47.000	113	Mu Vel	2.6920	5000.0	94	46274	No
195	GOM_NL__2PRFIN20110105_124227_000000423098_00139_46274_4196.N1	05-JAN-2011 12:42:27	Dark	41.500	71	lot Car	2.2460	7700.0	83	46274	No
196	GOM_NL__2PRFIN20110105_124421_000000433098_00139_46274_4197.N1	05-JAN-2011 12:44:21	Dark	42.500	46	Del Vel	1.9540	10600.	85	46274	No
197	GOM_NL__2PRFIN20110105_124710_000000453098_00139_46274_4198.N1	05-JAN-2011 12:47:10	Dark	44.500	34	Gam2Vel	1.7930	23000.	89	46274	No
198	GOM_NL__2PRFIN20110105_124920_000000473098_00139_46274_4199.N1	05-JAN-2011 12:49:20	Dark	47.000	70	Zet Pup	2.2460	39000.	94	46274	No
199	GOM_NL__2PRFIN20110105_125115_000000473098_00139_46274_4200.N1	05-JAN-2011 12:51:15	Dark	47.000	117	Pi Pup	2.7060	3800.0	94	46274	No
200	GOM_NL__2PRFIN20110105_125357_000000423098_00139_46274_4201.N1	05-JAN-2011 12:53:57	Straylight	42.000	23	21Eps CMa	1.5020	26000.	84	46274	No
201	GOM_NL__2PRFIN20110105_125527_000000443098_00139_46274_4202.N1	05-JAN-2011 12:55:27	Straylight	43.500	179	24Omi2CMa	3.0320	24000.	87	46274	No
202	GOM_NL__2PRFIN20110105_125748_000000493098_00139_46274_4203.N1	05-JAN-2011 12:57:48	Straylight	48.500	1	9Alp CMa	-1.4400	11000.	97	46274	No
203	GOM_NL__2PRFIN20110105_130508_000000543098_00139_46274_4204.N1	05-JAN-2011 13:05:08	Tw_i_and_stray	53.500	14	58Alp Ori	0.87000	3000.0	107	46274	No
204	GOM_NL__2PRFIN20110105_130806_000000483098_00139_46274_4205.N1	05-JAN-2011 13:08:06	Tw_i_and_stray	47.500	44	24Gam Gem	1.9280	11000.	95	46274	No
205	GOM_NL__2PRFIN20110105_130946_000000443098_00139_46274_4206.N1	05-JAN-2011 13:09:46	Bright	43.500	151	13Mu Gem	2.8900	3000.0	87	46274	No
206	GOM_NL__2PRFIN20110105_131348_000000393098_00139_46274_4207.N1	05-JAN-2011 13:13:48	Bright	38.500	107	37The Aur	2.6490	11000.	77	46274	No
207	GOM_NL__2PRFIN20110105_131601_000000393098_00139_46274_4208.N1	05-JAN-2011 13:16:01	Bright	39.000	42	34Bet Aur	1.9000	10200.	78	46274	No
208	GOM_NL__2PRFIN20110105_133235_000000363098_00139_46274_4209.N1	05-JAN-2011 13:32:35	Bright	35.500	60	7Bet UMi	2.0810	3950.0	71	46274	No
209	GOM_NL__2PRFIN20110105_133634_000000373098_00139_46274_4210.N1	05-JAN-2011 13:36:34	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	46274	No
210	GOM_NL__2PRFIN20110105_133921_000000483098_00139_46274_4211.N1	05-JAN-2011 13:39:21	Bright	48.000	39	85Eta UMa	1.8540	24000.	96	46274	No
211	GOM_NL__2PRFIN20110105_134342_000000663098_00139_46274_4212.N1	05-JAN-2011 13:43:42	Bright	66.000	180	27Gam Boo	3.0400	8000.0	132	46274	No
212	GOM_NL__2PRFIN20110105_134736_000000463098_00139_46274_4213.N1	05-JAN-2011 13:47:36	Bright	46.000	83		2.3780	11000.	92	46274	No
213	GOM_NL__2PRFIN20110105_135259_000000393098_00139_46274_4214.N1	05-JAN-2011 13:52:59	Bright	38.500	102	24Alp Ser	2.6000	4250.0	77	46274	No
214	GOM_NL__2PRFIN20110105_135813_000000403098_00139_46274_4215.N1	05-JAN-2011 13:58:13	Bright	39.500	104	27Bet Lib	2.6140	13100.	79	46274	No
215	GOM_NL__2PRFIN20110105_140101_000000453098_00139_46274_4216.N1	05-JAN-2011 14:01:01	Tw_i_and_stray	45.000	122	9Alp2Lib	2.7470	9700.0	90	46274	No
216	GOM_NL__2PRFIN20110105_140801_000000563098_00139_46274_4217.N1	05-JAN-2011 14:08:01	Dark	55.500	54	5The Cen	2.0550	4500.0	111	46274	No
217	GOM_NL__2PRFIN20110105_141039_000000423098_00139_46274_4218.N1	05-JAN-2011 14:10:39	Dark	41.500	95	Zet Cen	2.5450	26000.	83	46274	No
218	GOM_NL__2PRFIN20110105_141219_000000413098_00140_46275_4224.N1	05-JAN-2011 14:12:19	Dark	40.500	77	Eps Cen	2.3030	28000.	81	46275	No
219	GOM_NL__2PRFIN20110105_141420_000000473098_00140_46275_4225.N1	05-JAN-2011 14:14:20	Dark	47.000	64	Gam Cen	2.2000	10600.	94	46275	No

220	GOM_NL__2PRFIN20110105_142031_000000483098_00140_46275_4226.N1	05-JAN-2011 14:20:31	Dark	47.500	113	Mu Vel	2.6920	5000.0	95	46275	No
221	GOM_NL__2PRFIN20110105_142242_000000423098_00140_46275_4227.N1	05-JAN-2011 14:22:42	Dark	41.500	71	lot Car	2.2460	7700.0	83	46275	No
222	GOM_NL__2PRFIN20110105_142436_000000413098_00140_46275_4228.N1	05-JAN-2011 14:24:36	Dark	41.000	46	Del Vel	1.9540	10600.	82	46275	No
223	GOM_NL__2PRFIN20110105_142724_000000433098_00140_46275_4229.N1	05-JAN-2011 14:27:24	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	46275	No
224	GOM_NL__2PRFIN20110105_142934_000000463098_00140_46275_4230.N1	05-JAN-2011 14:29:34	Dark	45.500	70	Zet Pup	2.2460	39000.	91	46275	No
225	GOM_NL__2PRFIN20110105_143130_000000473098_00140_46275_4231.N1	05-JAN-2011 14:31:30	Dark	46.500	117	Pi Pup	2.7060	3800.0	93	46275	No
226	GOM_NL__2PRFIN20110105_143412_000000453098_00140_46275_4232.N1	05-JAN-2011 14:34:12	Straylight	45.000	23	21Eps CMa	1.5020	26000.	90	46275	No
227	GOM_NL__2PRFIN20110105_143541_000000423098_00140_46275_4233.N1	05-JAN-2011 14:35:41	Straylight	42.000	179	24Omi2CMa	3.0320	24000.	84	46275	No
228	GOM_NL__2PRFIN20110105_143802_000000493098_00140_46275_4234.N1	05-JAN-2011 14:38:02	Straylight	49.000	1	9Alp CMa	-1.4400	11000.	98	46275	No
229	GOM_NL__2PRFIN20110105_144522_000000543098_00140_46275_4235.N1	05-JAN-2011 14:45:22	Tw_i_and_stray	54.000	14	58Alp Ori	0.87000	3000.0	108	46275	No
230	GOM_NL__2PRFIN20110105_144820_000000443098_00140_46275_4236.N1	05-JAN-2011 14:48:20	Tw_i_and_stray	44.000	44	24Gam Gem	1.9280	11000.	88	46275	No
231	GOM_NL__2PRFIN20110105_144959_000000443098_00140_46275_4237.N1	05-JAN-2011 14:49:59	Bright	44.000	151	13Mu Gem	2.8900	3000.0	88	46275	No
232	GOM_NL__2PRFIN20110105_145402_000000393098_00140_46275_4238.N1	05-JAN-2011 14:54:02	Bright	38.500	107	37The Aur	2.6490	11000.	77	46275	No
233	GOM_NL__2PRFIN20110105_145615_000000383098_00140_46275_4239.N1	05-JAN-2011 14:56:15	Bright	38.000	42	34Bet Aur	1.9000	10200.	76	46275	No
234	GOM_NL__2PRFIN20110105_151248_000000393098_00140_46275_4240.N1	05-JAN-2011 15:12:48	Bright	38.500	60	7Bet UMi	2.0810	3950.0	77	46275	No
235	GOM_NL__2PRFIN20110105_151648_000000373098_00140_46275_4241.N1	05-JAN-2011 15:16:48	Bright	36.500	119	14Eta Dra	2.7270	4700.0	73	46275	No
236	GOM_NL__2PRFIN20110105_151935_000000473098_00140_46275_4242.N1	05-JAN-2011 15:19:35	Bright	46.500	39	85Eta UMa	1.8540	24000.	93	46275	No
237	GOM_NL__2PRFIN20110105_152356_000000463098_00140_46275_4243.N1	05-JAN-2011 15:23:56	Bright	45.500	180	27Gam Boo	3.0400	8000.0	91	46275	No
238	GOM_NL__2PRFIN20110105_152750_000000663098_00140_46275_4244.N1	05-JAN-2011 15:27:50	Bright	66.000	83		2.3780	11000.	132	46275	No
239	GOM_NL__2PRFIN20110105_153313_000000563098_00140_46275_4245.N1	05-JAN-2011 15:33:13	Bright	56.000	102	24Alp Ser	2.6000	4250.0	112	46275	No
240	GOM_NL__2PRFIN20110105_153827_000000433098_00140_46275_4246.N1	05-JAN-2011 15:38:27	Bright	42.500	104	27Bet Lib	2.6140	13100.	85	46275	No
241	GOM_NL__2PRFIN20110105_154116_000000453098_00140_46275_4247.N1	05-JAN-2011 15:41:16	Tw_i_and_stray	45.000	122	9Alp2Lib	2.7470	9700.0	90	46275	No
242	GOM_NL__2PRFIN20110105_154816_000000463098_00140_46275_4248.N1	05-JAN-2011 15:48:16	Dark	45.500	54	5The Cen	2.0550	4500.0	91	46275	No
243	GOM_NL__2PRFIN20110105_155053_000000423098_00140_46275_4249.N1	05-JAN-2011 15:50:53	Dark	41.500	95	Zet Cen	2.5450	26000.	83	46275	No
244	GOM_NL__2PRFIN20110105_155234_000000423098_00141_46276_4274.N1	05-JAN-2011 15:52:34	Dark	41.500	77	Eps Cen	2.3030	28000.	83	46276	No
245	GOM_NL__2PRFIN20110105_155435_000000443098_00141_46276_4275.N1	05-JAN-2011 15:54:35	Dark	43.500	64	Gam Cen	2.2000	10600.	87	46276	No
246	GOM_NL__2PRFIN20110105_160046_000000483098_00141_46276_4276.N1	05-JAN-2011 16:00:46	Dark	47.500	113	Mu Vel	2.6920	5000.0	95	46276	No
247	GOM_NL__2PRFIN20110105_160256_000000433098_00141_46276_4277.N1	05-JAN-2011 16:02:56	Dark	42.500	71	lot Car	2.2460	7700.0	85	46276	No
248	GOM_NL__2PRFIN20110105_160450_000000413098_00141_46276_4278.N1	05-JAN-2011 16:04:50	Dark	40.500	46	Del Vel	1.9540	10600.	81	46276	No
249	GOM_NL__2PRFIN20110105_160738_000000463098_00141_46276_4279.N1	05-JAN-2011 16:07:38	Dark	46.000	34	Gam2Vel	1.7930	23000.	92	46276	No
250	GOM_NL__2PRFIN20110105_160949_000000473098_00141_46276_4280.N1	05-JAN-2011 16:09:49	Dark	46.500	70	Zet Pup	2.2460	39000.	93	46276	No
251	GOM_NL__2PRFIN20110105_161144_000000503098_00141_46276_4281.N1	05-JAN-2011 16:11:44	Dark	50.000	117	Pi Pup	2.7060	3800.0	100	46276	No
252	GOM_NL__2PRFIN20110105_161426_000000463098_00141_46276_4282.N1	05-JAN-2011 16:14:26	Straylight	45.500	23	21Eps CMa	1.5020	26000.	91	46276	No
253	GOM_NL__2PRFIN20110105_161555_000000433098_00141_46276_4283.N1	05-JAN-2011 16:15:55	Straylight	42.500	179	24Omi2CMa	3.0320	24000.	85	46276	No
254	GOM_NL__2PRFIN20110105_161817_000000513098_00141_46276_4284.N1	05-JAN-2011 16:18:17	Straylight	51.000	1	9Alp CMa	-1.4400	11000.	102	46276	No
255	GOM_NL__2PRFIN20110105_162536_000000543098_00141_46276_4285.N1	05-JAN-2011 16:25:36	Tw_i_and_stray	54.000	14	58Alp Ori	0.87000	3000.0	108	46276	No
256	GOM_NL__2PRFIN20110105_162834_000000503098_00141_46276_4286.N1	05-JAN-2011 16:28:34	Tw_i_and_stray	50.000	44	24Gam Gem	1.9280	11000.	100	46276	No
257	GOM_NL__2PRFIN20110105_163013_000000463098_00141_46276_4287.N1	05-JAN-2011 16:30:13	Bright	45.500	151	13Mu Gem	2.8900	3000.0	91	46276	No
258	GOM_NL__2PRFIN20110105_163416_000000393098_00141_46276_4288.N1	05-JAN-2011 16:34:16	Bright	38.500	107	37The Aur	2.6490	11000.	77	46276	No
259	GOM_NL__2PRFIN20110105_163628_000000383098_00141_46276_4289.N1	05-JAN-2011 16:36:28	Bright	37.500	42	34Bet Aur	1.9000	10200.	75	46276	No
260	GOM_NL__2PRFIN20110105_165302_000000403098_00141_46276_4290.N1	05-JAN-2011 16:53:02	Bright	40.000	60	7Bet UMi	2.0810	3950.0	80	46276	No
261	GOM_NL__2PRFIN20110105_165702_000000383098_00141_46276_4291.N1	05-JAN-2011 16:57:02	Bright	38.000	119	14Eta Dra	2.7270	4700.0	76	46276	No
262	GOM_NL__2PRFIN20110105_165949_000000443098_00141_46276_4292.N1	05-JAN-2011 16:59:49	Bright	44.000	39	85Eta UMa	1.8540	24000.	88	46276	No
263	GOM_NL__2PRFIN20110105_170410_000000663098_00141_46276_4293.N1	05-JAN-2011 17:04:10	Bright	66.000	180	27Gam Boo	3.0400	8000.0	132	46276	No
264	GOM_NL__2PRFIN20110105_170804_000000473098_00141_46276_4294.N1	05-JAN-2011 17:08:04	Bright	46.500	83		2.3780	11000.	93	46276	No
265	GOM_NL__2PRFIN20110105_171327_000000383098_00141_46276_4295.N1	05-JAN-2011 17:13:27	Bright	38.000	102	24Alp Ser	2.6000	4250.0	76	46276	No
266	GOM_NL__2PRFIN20110105_171842_000000443098_00141_46276_4296.N1	05-JAN-2011 17:18:42	Bright	43.500	104	27Bet Lib	2.6140	13100.	87	46276	No
267	GOM_NL__2PRFIN20110105_172131_000000493098_00141_46276_4297.N1	05-JAN-2011 17:21:31	Tw_i_and_stray	48.500	122	9Alp2Lib	2.7470	9700.0	97	46276	No
268	GOM_NL__2PRFIN20110105_172831_000000573098_00141_46276_4298.N1	05-JAN-2011 17:28:31	Dark	57.000	54	5The Cen	2.0550	4500.0	114	46276	No
269	GOM_NL__2PRFIN20110105_173108_000000423098_00141_46276_4299.N1	05-JAN-2011 17:31:08	Dark	41.500	95	Zet Cen	2.5450	26000.	83	46276	No
270	GOM_NL__2PRFIN20110105_173248_000000403098_00142_46277_4283.N1	05-JAN-2011 17:32:48	Dark	40.000	77	Eps Cen	2.3030	28000.	80	46277	No
271	GOM_NL__2PRFIN20110105_173450_000000453098_00142_46277_4284.N1	05-JAN-2011 17:34:50	Dark	44.500	64	Gam Cen	2.2000	10600.	89	46277	No
272	GOM_NL__2PRFIN20110105_174101_000000503098_00142_46277_4285.N1	05-JAN-2011 17:41:01	Dark	50.000	113	Mu Vel	2.6920	5000.0	100	46277	No
273	GOM_NL__2PRFIN20110105_174311_000000423098_00142_46277_4286.N1	05-JAN-2011 17:43:11	Dark	42.000	71	lot Car	2.2460	7700.0	84	46277	No
274	GOM_NL__2PRFIN20110105_174505_000000463098_00142_46277_4287.N1	05-JAN-2011 17:45:05	Dark	45.500	46	Del Vel	1.9540	10600.	91	46277	No
275	GOM_NL__2PRFIN20110105_174753_000000463098_00142_46277_4288.N1	05-JAN-2011 17:47:53	Dark	45.500	34	Gam2Vel	1.7930	23000.	91	46277	No
276	GOM_NL__2PRFIN20110105_175003_000000493098_00142_46277_4289.N1	05-JAN-2011 17:50:03	Dark	48.500	70	Zet Pup	2.2460	39000.	97	46277	No
277	GOM_NL__2PRFIN20110105_175159_000000483098_00142_46277_4290.N1	05-JAN-2011 17:51:59	Dark	47.500	117	Pi Pup	2.7060	3800.0	95	46277	No
278	GOM_NL__2PRFIN20110105_175440_000000463098_00142_46277_4291.N1	05-JAN-2011 17:54:40	Straylight	46.000	23	21Eps CMa	1.5020	26000.	92	46277	No

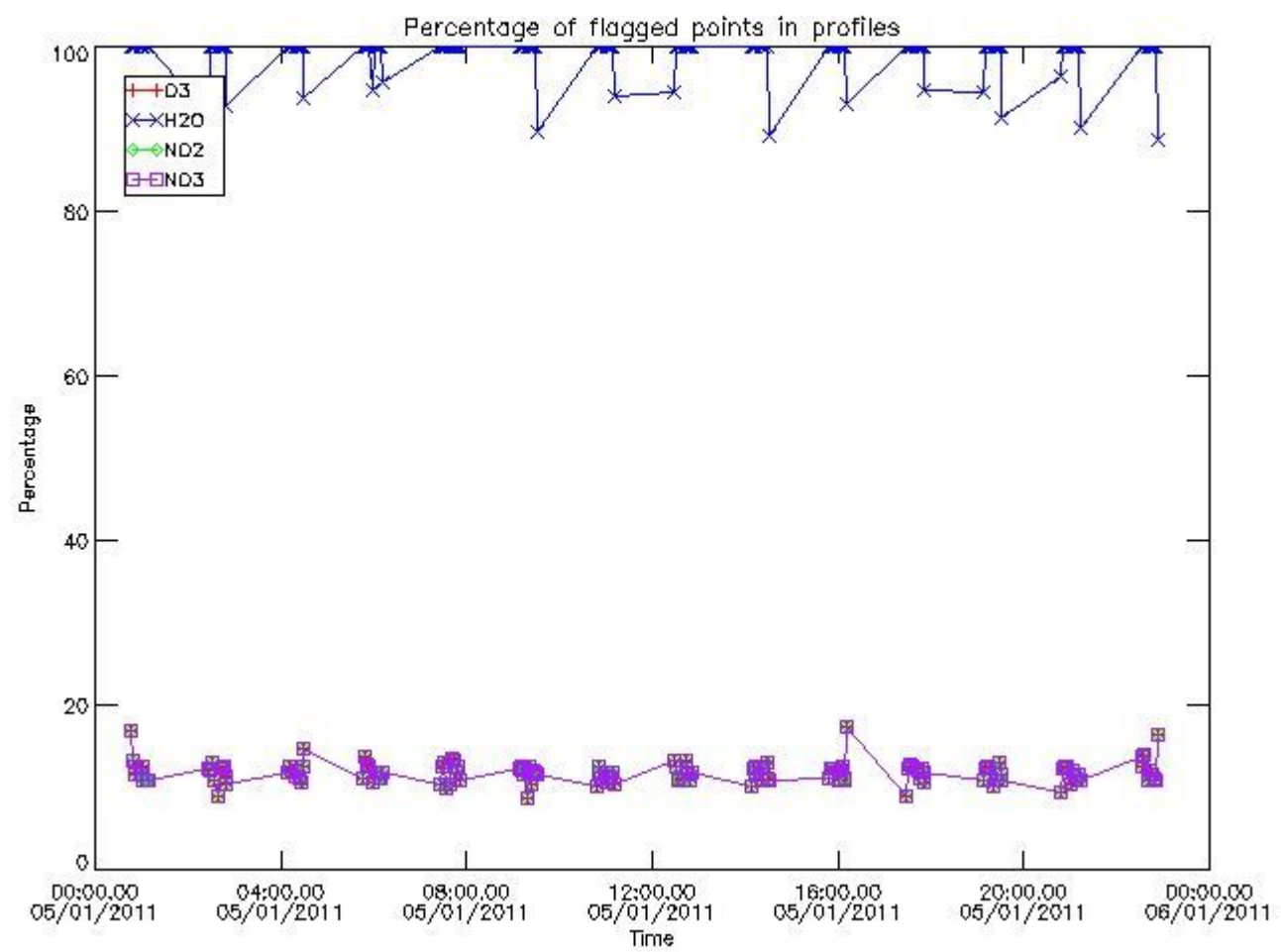
279	GOM_NL__2PRFIN20110105_175610_00000443098_00142_46277_4292.N1	05-JAN-2011 17:56:10	Straylight	44.000	179	24Omi2CMa	3.0320	24000.	88	46277	No
280	GOM_NL__2PRFIN20110105_175831_00000543098_00142_46277_4293.N1	05-JAN-2011 17:58:31	Straylight	53.500	1	9Alp CMa	-1.4400	11000.	107	46277	No
281	GOM_NL__2PRFIN20110105_180550_00000503098_00142_46277_4294.N1	05-JAN-2011 18:05:50	Tw_i_and_stray	50.000	14	58Alp Ori	0.87000	3000.0	100	46277	No
282	GOM_NL__2PRFIN20110105_180847_00000493098_00142_46277_4295.N1	05-JAN-2011 18:08:47	Tw_i_and_stray	48.500	44	24Gam Gem	1.9280	11000.	97	46277	No
283	GOM_NL__2PRFIN20110105_181027_00000463098_00142_46277_4296.N1	05-JAN-2011 18:10:27	Bright	46.000	151	13Mu Gem	2.8900	3000.0	92	46277	No
284	GOM_NL__2PRFIN20110105_181430_00000383098_00142_46277_4297.N1	05-JAN-2011 18:14:30	Bright	38.000	107	37The Aur	2.6490	11000.	76	46277	No
285	GOM_NL__2PRFIN20110105_181642_00000393098_00142_46277_4298.N1	05-JAN-2011 18:16:42	Bright	39.000	42	34Bet Aur	1.9000	10200.	78	46277	No
286	GOM_NL__2PRFIN20110105_183316_00000373098_00142_46277_4299.N1	05-JAN-2011 18:33:16	Bright	36.500	60	7Bet UMi	2.0810	3950.0	73	46277	No
287	GOM_NL__2PRFIN20110105_183716_00000393098_00142_46277_4300.N1	05-JAN-2011 18:37:16	Bright	38.500	119	14Eta Dra	2.7270	4700.0	77	46277	No
288	GOM_NL__2PRFIN20110105_184003_00000493098_00142_46277_4301.N1	05-JAN-2011 18:40:03	Bright	48.500	39	85Eta UMa	1.8540	24000.	97	46277	No
289	GOM_NL__2PRFIN20110105_184424_00000663098_00142_46277_4302.N1	05-JAN-2011 18:44:24	Bright	66.000	180	27Gam Boo	3.0400	8000.0	132	46277	No
290	GOM_NL__2PRFIN20110105_184819_00000663098_00142_46277_4303.N1	05-JAN-2011 18:48:19	Bright	66.000	83		2.3780	11000.	132	46277	No
291	GOM_NL__2PRFIN20110105_185342_00000533098_00142_46277_4304.N1	05-JAN-2011 18:53:42	Bright	53.000	102	24Alp Ser	2.6000	4250.0	106	46277	No
292	GOM_NL__2PRFIN20110105_185856_00000423098_00142_46277_4305.N1	05-JAN-2011 18:58:56	Bright	42.000	104	27Bet Lib	2.6140	13100.	84	46277	No
293	GOM_NL__2PRFIN20110105_190145_00000453098_00142_46277_4306.N1	05-JAN-2011 19:01:45	Tw_i_and_stray	45.000	122	9Alp2Lib	2.7470	9700.0	90	46277	No
294	GOM_NL__2PRFIN20110105_190846_00000473098_00142_46277_4307.N1	05-JAN-2011 19:08:46	Dark	46.500	54	5The Cen	2.0550	4500.0	93	46277	No
295	GOM_NL__2PRFIN20110105_191123_00000423098_00142_46277_4308.N1	05-JAN-2011 19:11:23	Dark	41.500	95	Zet Cen	2.5450	26000.	83	46277	No
296	GOM_NL__2PRFIN20110105_191303_00000413098_00143_46278_4309.N1	05-JAN-2011 19:13:03	Dark	40.500	77	Eps Cen	2.3030	28000.	81	46278	No
297	GOM_NL__2PRFIN20110105_191504_00000453098_00143_46278_4310.N1	05-JAN-2011 19:15:04	Dark	44.500	64	Gam Cen	2.2000	10600.	89	46278	No
298	GOM_NL__2PRFIN20110105_192116_00000503098_00143_46278_4311.N1	05-JAN-2011 19:21:16	Dark	50.000	113	Mu Vel	2.6920	5000.0	100	46278	No
299	GOM_NL__2PRFIN20110105_192325_00000423098_00143_46278_4312.N1	05-JAN-2011 19:23:25	Dark	41.500	71	lot Car	2.2460	7700.0	83	46278	No
300	GOM_NL__2PRFIN20110105_192519_00000473098_00143_46278_4313.N1	05-JAN-2011 19:25:19	Dark	47.000	46	Del Vel	1.9540	10600.	94	46278	No
301	GOM_NL__2PRFIN20110105_192808_00000433098_00143_46278_4314.N1	05-JAN-2011 19:28:08	Dark	43.000	34	Gam2Vel	1.7930	23000.	86	46278	No
302	GOM_NL__2PRFIN20110105_193018_00000443098_00143_46278_4315.N1	05-JAN-2011 19:30:18	Dark	44.000	70	Zet Pup	2.2460	39000.	88	46278	No
303	GOM_NL__2PRFIN20110105_193213_00000473098_00143_46278_4316.N1	05-JAN-2011 19:32:13	Dark	46.500	117	Pi Pup	2.7060	3800.0	93	46278	No
304	GOM_NL__2PRFIN20110105_193454_00000463098_00143_46278_4317.N1	05-JAN-2011 19:34:54	Straylight	46.000	23	21Eps CMa	1.5020	26000.	92	46278	No
305	GOM_NL__2PRFIN20110105_193624_00000443098_00143_46278_4318.N1	05-JAN-2011 19:36:24	Straylight	43.500	179	24Omi2CMa	3.0320	24000.	87	46278	No
306	GOM_NL__2PRFIN20110105_193845_00000563098_00143_46278_4319.N1	05-JAN-2011 19:38:45	Straylight	55.500	1	9Alp CMa	-1.4400	11000.	111	46278	No
307	GOM_NL__2PRFIN20110105_194604_00000473098_00143_46278_4320.N1	05-JAN-2011 19:46:04	Tw_i_and_stray	47.000	14	58Alp Ori	0.87000	3000.0	94	46278	No
308	GOM_NL__2PRFIN20110105_194901_00000463098_00143_46278_4321.N1	05-JAN-2011 19:49:01	Tw_i_and_stray	45.500	44	24Gam Gem	1.9280	11000.	91	46278	No
309	GOM_NL__2PRFIN20110105_195041_00000513098_00143_46278_4322.N1	05-JAN-2011 19:50:41	Bright	50.500	151	13Mu Gem	2.8900	3000.0	101	46278	No
310	GOM_NL__2PRFIN20110105_195443_00000393098_00143_46278_4323.N1	05-JAN-2011 19:54:43	Bright	38.500	107	37The Aur	2.6490	11000.	77	46278	No
311	GOM_NL__2PRFIN20110105_195656_00000383098_00143_46278_4324.N1	05-JAN-2011 19:56:56	Bright	38.000	42	34Bet Aur	1.9000	10200.	76	46278	No
312	GOM_NL__2PRFIN20110105_201330_00000363098_00143_46278_4325.N1	05-JAN-2011 20:13:30	Bright	36.000	60	7Bet UMi	2.0810	3950.0	72	46278	No
313	GOM_NL__2PRFIN20110105_201731_00000373098_00143_46278_4326.N1	05-JAN-2011 20:17:31	Bright	37.000	119	14Eta Dra	2.7270	4700.0	74	46278	No
314	GOM_NL__2PRFIN20110105_202016_00000463098_00143_46278_4327.N1	05-JAN-2011 20:20:16	Bright	45.500	39	85Eta UMa	1.8540	24000.	91	46278	No
315	GOM_NL__2PRFIN20110105_202438_00000453098_00143_46278_4328.N1	05-JAN-2011 20:24:38	Bright	44.500	180	27Gam Boo	3.0400	8000.0	89	46278	No
316	GOM_NL__2PRFIN20110105_202833_00000663098_00143_46278_4329.N1	05-JAN-2011 20:28:33	Bright	66.000	83		2.3780	11000.	132	46278	No
317	GOM_NL__2PRFIN20110105_203356_00000403098_00143_46278_4330.N1	05-JAN-2011 20:33:56	Bright	39.500	102	24Alp Ser	2.6000	4250.0	79	46278	No
318	GOM_NL__2PRFIN20110105_203911_00000443098_00143_46278_4331.N1	05-JAN-2011 20:39:11	Bright	44.000	104	27Bet Lib	2.6140	13100.	88	46278	No
319	GOM_NL__2PRFIN20110105_204200_00000463098_00143_46278_4332.N1	05-JAN-2011 20:42:00	Tw_i_and_stray	45.500	122	9Alp2Lib	2.7470	9700.0	91	46278	No
320	GOM_NL__2PRFIN20110105_204900_00000543098_00143_46278_4333.N1	05-JAN-2011 20:49:00	Dark	54.000	54	5The Cen	2.0550	4500.0	108	46278	No
321	GOM_NL__2PRFIN20110105_205137_00000423098_00143_46278_4334.N1	05-JAN-2011 20:51:37	Dark	41.500	95	Zet Cen	2.5450	26000.	83	46278	No
322	GOM_NL__2PRFIN20110105_205318_00000413098_00144_46279_4339.N1	05-JAN-2011 20:53:18	Dark	41.000	77	Eps Cen	2.3030	28000.	82	46279	No
323	GOM_NL__2PRFIN20110105_205519_00000453098_00144_46279_4340.N1	05-JAN-2011 20:55:19	Dark	44.500	64	Gam Cen	2.2000	10600.	89	46279	No
324	GOM_NL__2PRFIN20110105_210131_00000493098_00144_46279_4341.N1	05-JAN-2011 21:01:31	Dark	49.000	113	Mu Vel	2.6920	5000.0	98	46279	No
325	GOM_NL__2PRFIN20110105_210340_00000433098_00144_46279_4342.N1	05-JAN-2011 21:03:40	Dark	42.500	71	lot Car	2.2460	7700.0	85	46279	No
326	GOM_NL__2PRFIN20110105_210534_00000453098_00144_46279_4343.N1	05-JAN-2011 21:05:34	Dark	45.000	46	Del Vel	1.9540	10600.	90	46279	No
327	GOM_NL__2PRFIN20110105_210822_00000473098_00144_46279_4344.N1	05-JAN-2011 21:08:22	Dark	46.500	34	Gam2Vel	1.7930	23000.	93	46279	No
328	GOM_NL__2PRFIN20110105_211032_00000483098_00144_46279_4345.N1	05-JAN-2011 21:10:32	Dark	48.000	70	Zet Pup	2.2460	39000.	96	46279	No
329	GOM_NL__2PRFIN20110105_211227_00000473098_00144_46279_4346.N1	05-JAN-2011 21:12:27	Dark	46.500	117	Pi Pup	2.7060	3800.0	93	46279	No
330	GOM_NL__2PRFIN20110105_211509_00000463098_00144_46279_4347.N1	05-JAN-2011 21:15:09	Straylight	45.500	23	21Eps CMa	1.5020	26000.	91	46279	No
331	GOM_NL__2PRFIN20110105_211638_00000423098_00144_46279_4348.N1	05-JAN-2011 21:16:38	Straylight	42.000	179	24Omi2CMa	3.0320	24000.	84	46279	No
332	GOM_NL__2PRFIN20110105_211859_00000513098_00144_46279_4349.N1	05-JAN-2011 21:18:59	Straylight	51.000	1	9Alp CMa	-1.4400	11000.	102	46279	No
333	GOM_NL__2PRFIN20110105_212618_00000483098_00144_46279_4350.N1	05-JAN-2011 21:26:18	Tw_i_and_stray	48.000	14	58Alp Ori	0.87000	3000.0	96	46279	No
334	GOM_NL__2PRFIN20110105_212915_00000473098_00144_46279_4351.N1	05-JAN-2011 21:29:15	Tw_i_and_stray	47.000	44	24Gam Gem	1.9280	11000.	94	46279	No
335	GOM_NL__2PRFIN20110105_213055_00000483098_00144_46279_4352.N1	05-JAN-2011 21:30:55	Bright	47.500	151	13Mu Gem	2.8900	3000.0	95	46279	No
336	GOM_NL__2PRFIN20110105_213457_00000553098_00144_46279_4353.N1	05-JAN-2011 21:34:57	Bright	55.000	107	37The Aur	2.6490	11000.	110	46279	No
337	GOM_NL__2PRFIN20110105_213710_00000383098_00144_46279_4354.N1	05-JAN-2011 21:37:10	Bright	38.000	42	34Bet Aur	1.9000	10200.	76	46279	No

338	GOM_NL__2PRFIN20110105_215344_000000353098_00144_46279_4355.N1	05-JAN-2011 21:53:44	Bright	35.000	60	7Bet UMi	2.0810	3950.0	70	46279	No
339	GOM_NL__2PRFIN20110105_215744_000000353098_00144_46279_4356.N1	05-JAN-2011 21:57:44	Bright	34.500	119	14Eta Dra	2.7270	4700.0	69	46279	No
340	GOM_NL__2PRFIN20110105_220030_000000483098_00144_46279_4357.N1	05-JAN-2011 22:00:30	Bright	47.500	39	85Eta UMa	1.8540	24000.	95	46279	No
341	GOM_NL__2PRFIN20110105_220452_000000663098_00144_46279_4358.N1	05-JAN-2011 22:04:52	Bright	66.000	180	27Gam Boo	3.0400	8000.0	132	46279	No
342	GOM_NL__2PRFIN20110105_220847_000000663098_00144_46279_4359.N1	05-JAN-2011 22:08:47	Bright	66.000	83		2.3780	11000.	132	46279	No
343	GOM_NL__2PRFIN20110105_221410_000000473098_00144_46279_4360.N1	05-JAN-2011 22:14:10	Bright	46.500	102	24Alp Ser	2.6000	4250.0	93	46279	No
344	GOM_NL__2PRFIN20110105_221925_000000453098_00144_46279_4361.N1	05-JAN-2011 22:19:25	Bright	45.000	104	27Bet Lib	2.6140	13100.	90	46279	No
345	GOM_NL__2PRFIN20110105_222215_000000433098_00144_46279_4362.N1	05-JAN-2011 22:22:15	Tw_i_and_stray	43.000	122	9Alp2Lib	2.7470	9700.0	86	46279	No
346	GOM_NL__2PRFIN20110105_223152_000000413098_00144_46279_4363.N1	05-JAN-2011 22:31:52	Dark	41.000	95	Zet Cen	2.5450	26000.	82	46279	No
347	GOM_NL__2PRFIN20110105_223332_000000413098_00145_46280_4359.N1	05-JAN-2011 22:33:32	Dark	40.500	77	Eps Cen	2.3030	28000.	81	46280	No
348	GOM_NL__2PRFIN20110105_223615_000000403098_00145_46280_4360.N1	05-JAN-2011 22:36:15	Dark	40.000	20	Bet Cru	1.2530	30000.	80	46280	No
349	GOM_NL__2PRFIN20110105_224145_000000483098_00145_46280_4361.N1	05-JAN-2011 22:41:45	Dark	47.500	113	Mu Vel	2.6920	5000.0	95	46280	No
350	GOM_NL__2PRFIN20110105_224354_000000433098_00145_46280_4362.N1	05-JAN-2011 22:43:54	Dark	42.500	71	lot Car	2.2460	7700.0	85	46280	No
351	GOM_NL__2PRFIN20110105_224548_000000453098_00145_46280_4363.N1	05-JAN-2011 22:45:48	Dark	44.500	46	Del Vel	1.9540	10600.	89	46280	No
352	GOM_NL__2PRFIN20110105_224836_000000463098_00145_46280_4364.N1	05-JAN-2011 22:48:36	Dark	46.000	34	Gam2Vel	1.7930	23000.	92	46280	No
353	GOM_NL__2PRFIN20110105_225047_000000473098_00145_46280_4365.N1	05-JAN-2011 22:50:47	Dark	46.500	70	Zet Pup	2.2460	39000.	93	46280	No
354	GOM_NL__2PRFIN20110105_225242_000000503098_00145_46280_4366.N1	05-JAN-2011 22:52:42	Dark	49.500	117	Pi Pup	2.7060	3800.0	99	46280	No
355	GOM_NL__2PRFIN20110105_225523_000000413098_00145_46280_4367.N1	05-JAN-2011 22:55:23	Straylight	41.000	23	21Eps CMa	1.5020	26000.	82	46280	No
356	GOM_NL__2PRFIN20110105_225652_000000393098_00145_46280_4368.N1	05-JAN-2011 22:56:52	Straylight	38.500	179	24Omi2CMa	3.0320	24000.	77	46280	No
357	GOM_NL__2PRFIN20110105_225913_000000523098_00145_46280_4369.N1	05-JAN-2011 22:59:13	Straylight	51.500	1	9Alp CMa	-1.4400	11000.	103	46280	No
358	GOM_NL__2PRFIN20110105_230632_000000543098_00145_46280_4370.N1	05-JAN-2011 23:06:32	Tw_i_and_stray	54.000	14	58Alp Ori	0.87000	3000.0	108	46280	No
359	GOM_NL__2PRFIN20110105_230929_000000483098_00145_46280_4371.N1	05-JAN-2011 23:09:29	Tw_i_and_stray	48.000	44	24Gam Gem	1.9280	11000.	96	46280	No
360	GOM_NL__2PRFIN20110105_231108_000000493098_00145_46280_4372.N1	05-JAN-2011 23:11:08	Bright	49.000	151	13Mu Gem	2.8900	3000.0	98	46280	No
361	GOM_NL__2PRFIN20110105_231511_000000393098_00145_46280_4373.N1	05-JAN-2011 23:15:11	Bright	39.000	107	37The Aur	2.6490	11000.	78	46280	No
362	GOM_NL__2PRFIN20110105_231724_000000393098_00145_46280_4374.N1	05-JAN-2011 23:17:24	Bright	38.500	42	34Bet Aur	1.9000	10200.	77	46280	No
363	GOM_NL__2PRFIN20110105_233358_000000403098_00145_46280_4375.N1	05-JAN-2011 23:33:58	Bright	39.500	60	7Bet UMi	2.0810	3950.0	79	46280	No
364	GOM_NL__2PRFIN20110105_233758_000000383098_00145_46280_4376.N1	05-JAN-2011 23:37:58	Bright	37.500	119	14Eta Dra	2.7270	4700.0	75	46280	No
365	GOM_NL__2PRFIN20110105_234044_000000503098_00145_46280_4377.N1	05-JAN-2011 23:40:44	Bright	49.500	39	85Eta UMa	1.8540	24000.	99	46280	No
366	GOM_NL__2PRFIN20110105_234506_000000663098_00145_46280_4378.N1	05-JAN-2011 23:45:06	Bright	66.000	180	27Gam Boo	3.0400	8000.0	132	46280	No
367	GOM_NL__2PRFIN20110105_234901_000000663098_00145_46280_4379.N1	05-JAN-2011 23:49:01	Bright	66.000	83		2.3780	11000.	132	46280	No
368	GOM_NL__2PRFIN20110105_235425_000000373098_00145_46280_4380.N1	05-JAN-2011 23:54:25	Bright	37.000	102	24Alp Ser	2.6000	4250.0	74	46280	No
369	GOM_NL__2PRFIN20110105_235940_000000443098_00145_46280_4381.N1	05-JAN-2011 23:59:40	Bright	44.000	104	27Bet Lib	2.6140	13100.	88	46280	No

### 3. Quality information per product

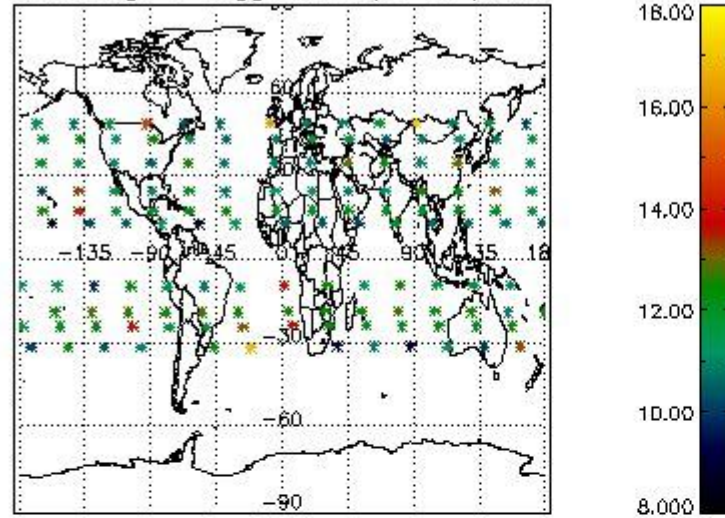
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

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

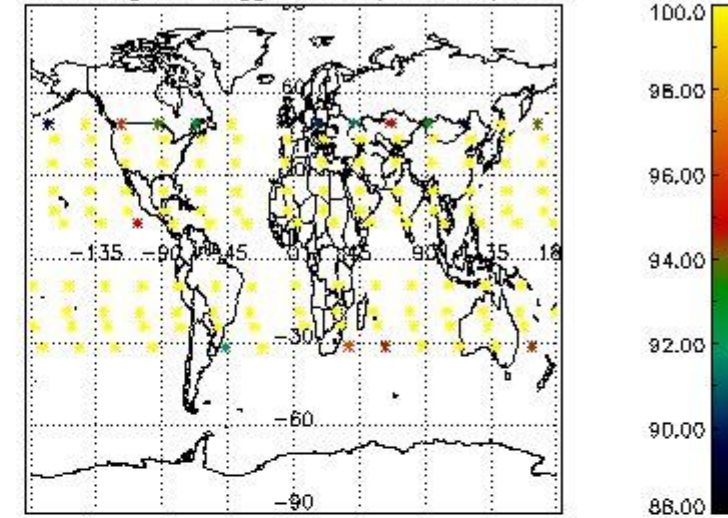


*3.2 Plot quality information per product (world map)*

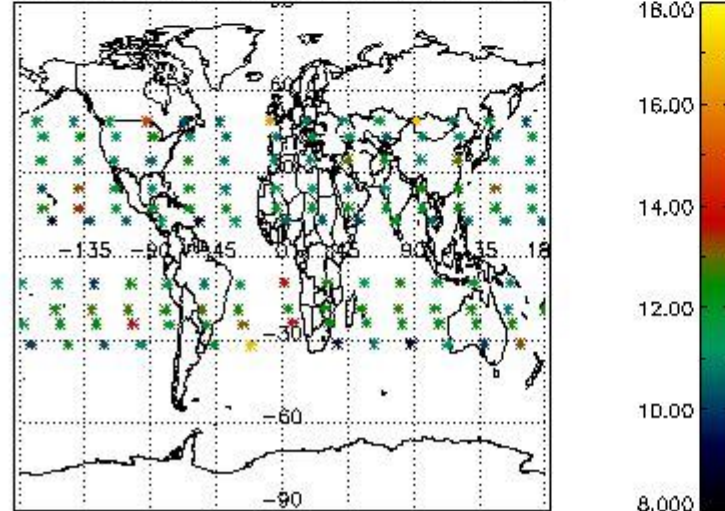
Percentage of flagged data per O3 profile



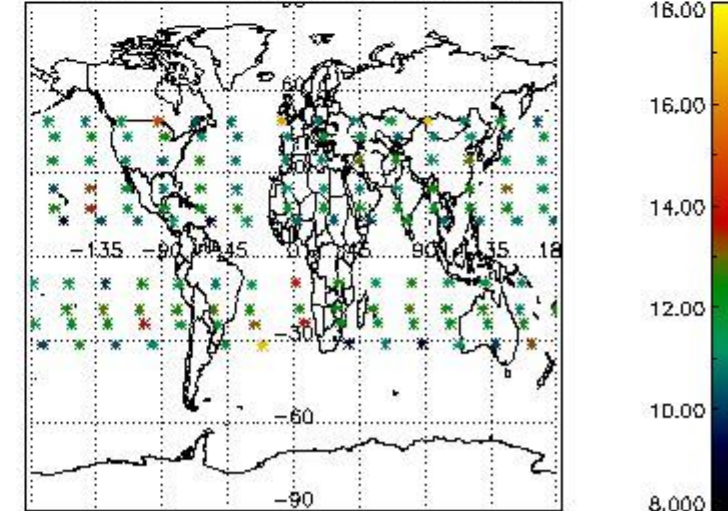
Percentage of flagged data per H2O profile



Percentage of flagged data per NO2 profile



Percentage of flagged data per NO3 profile

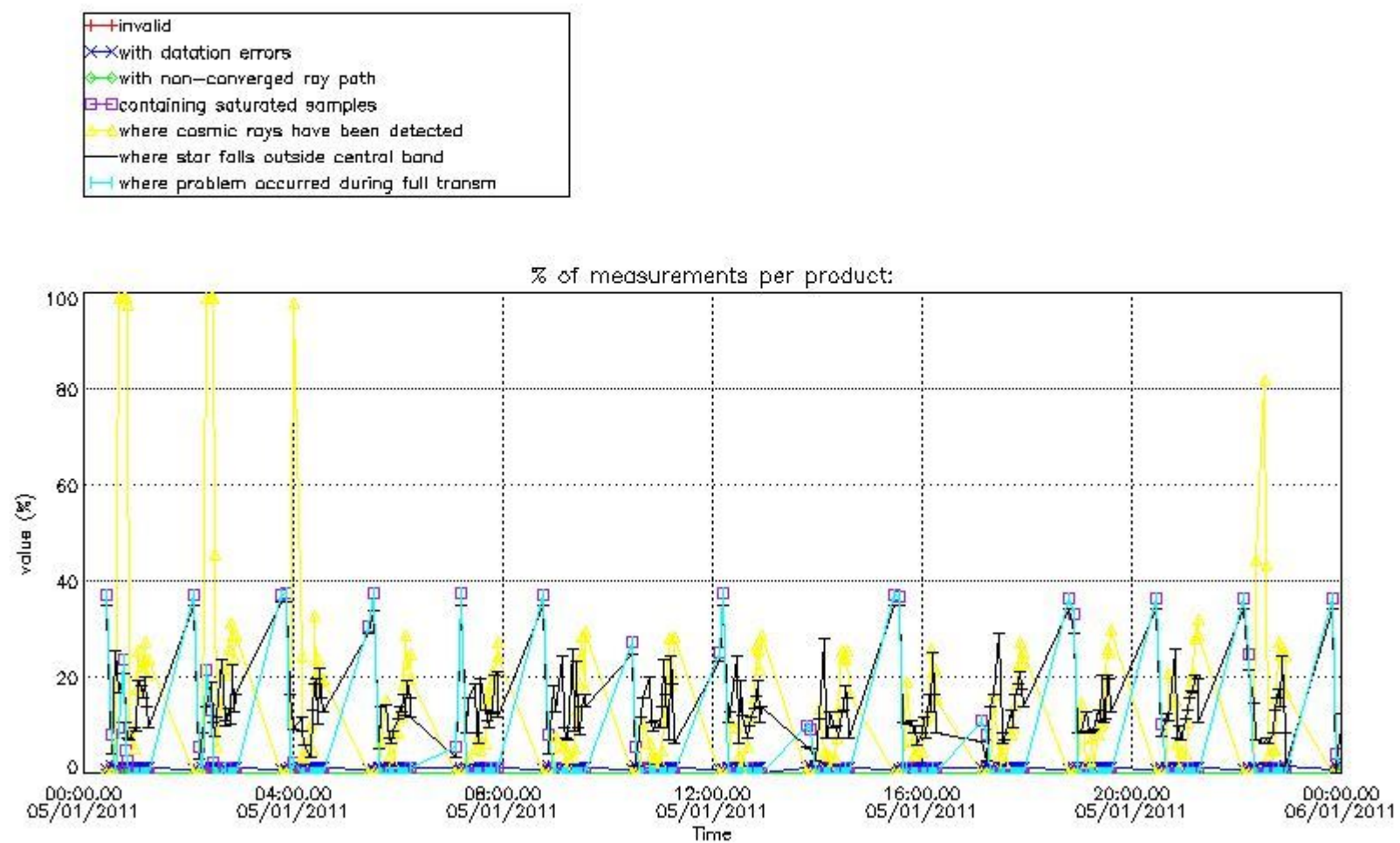


#### 4. Level 1 quality information per product

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.

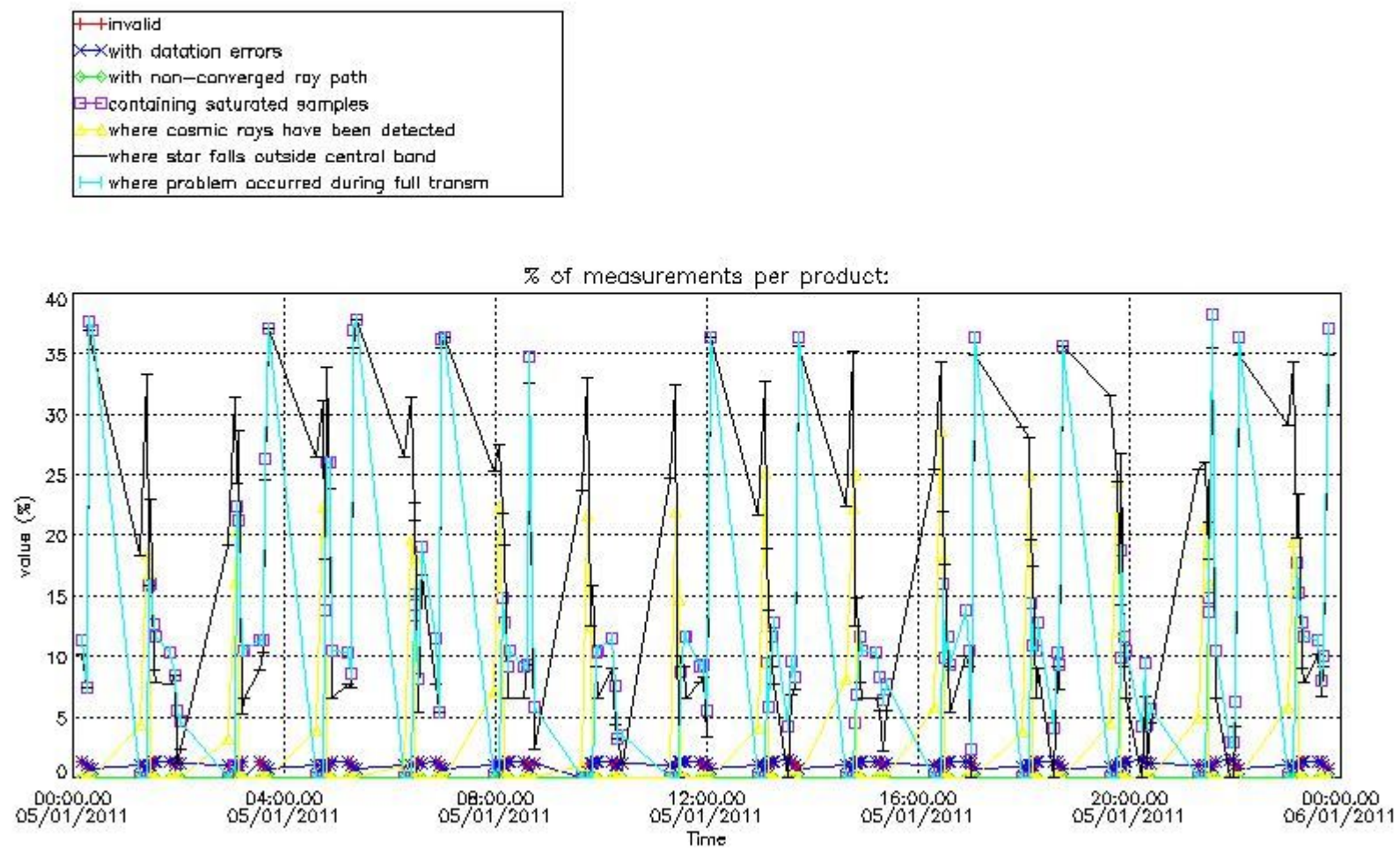
##### 4.1 Plot quality information per product (time dependant) coming from level 1b processing

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



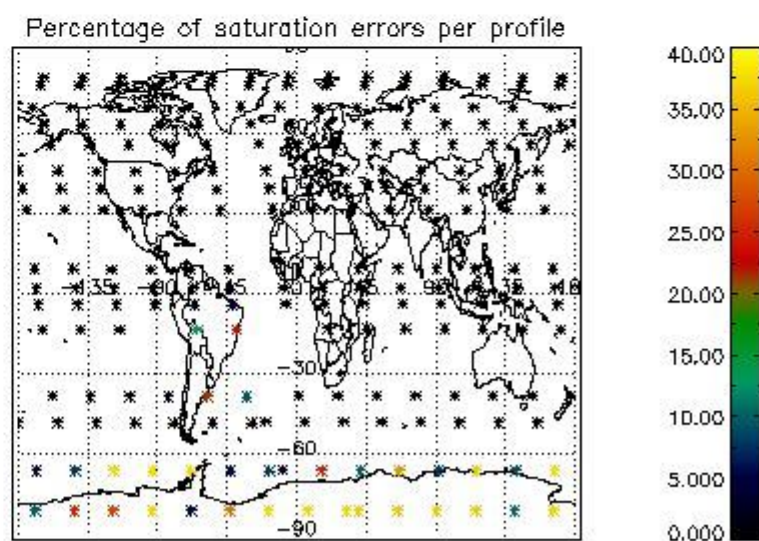
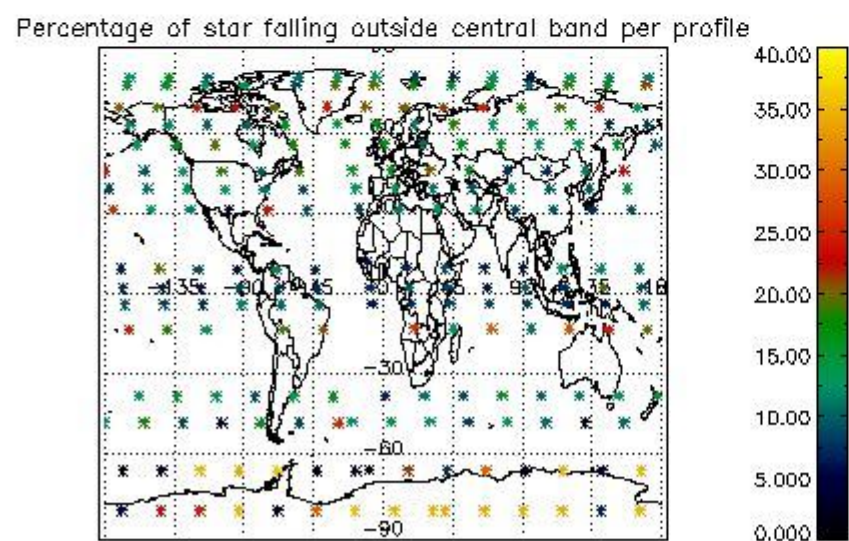
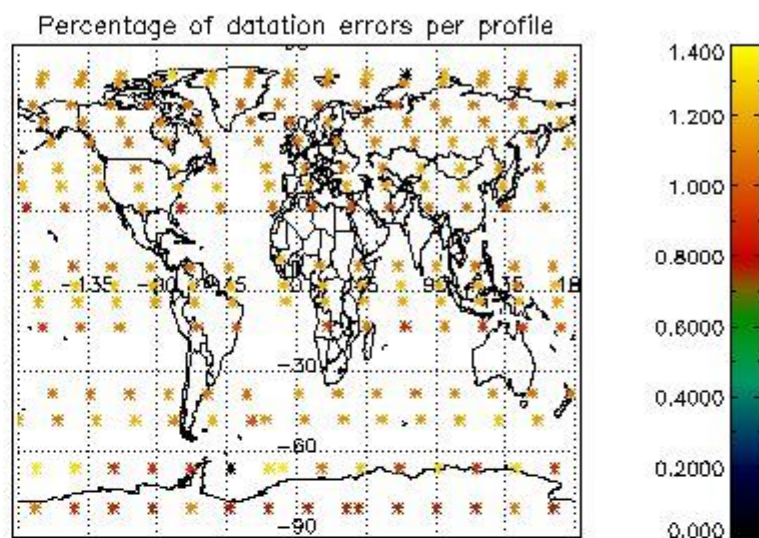
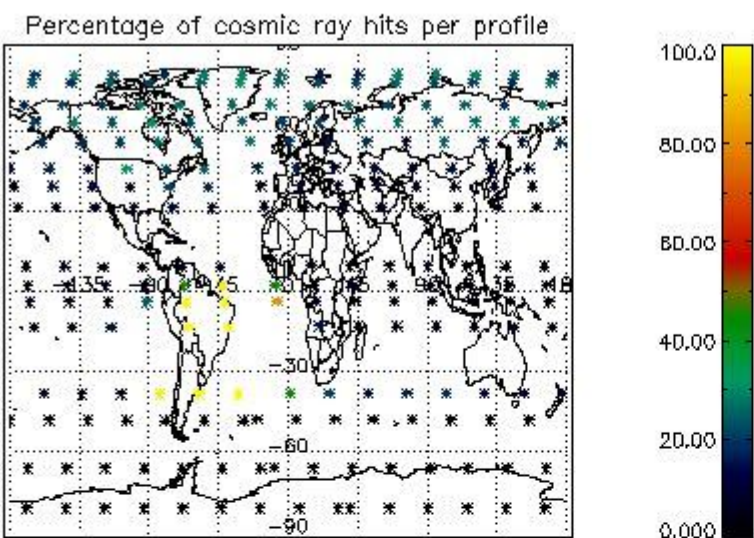
4.1.2 Plot level 1 quality information per product (time dependant): ENVISAT DESCENDING passes



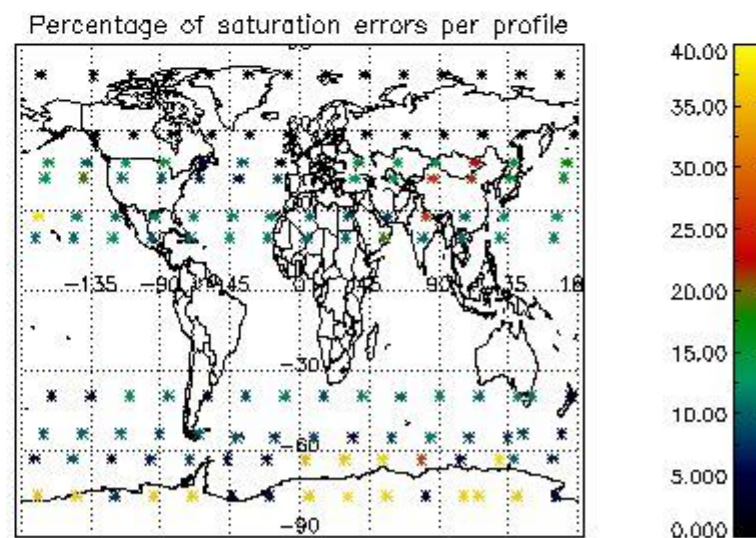
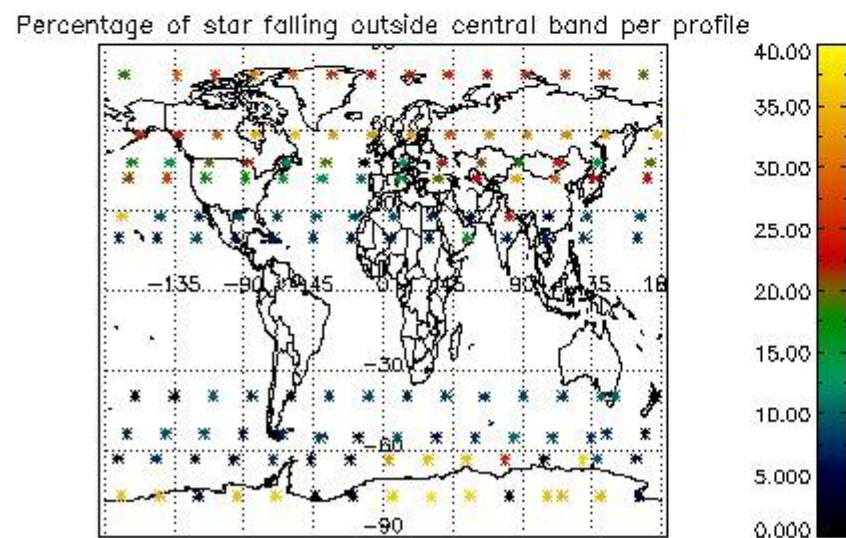
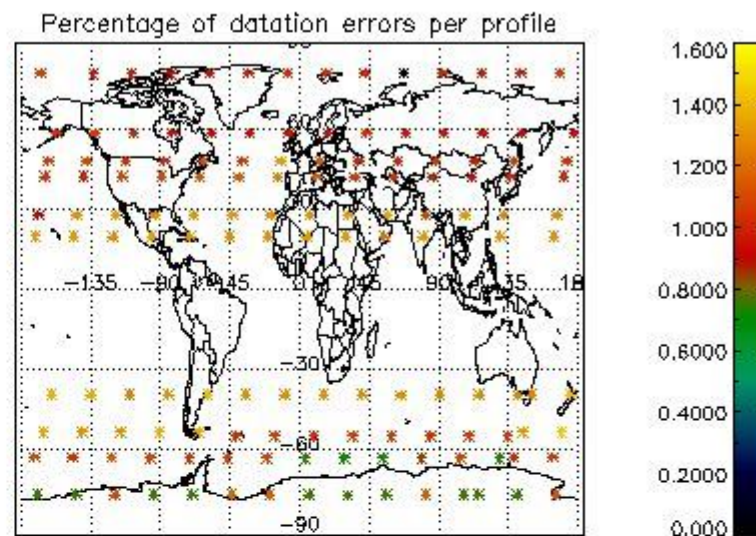
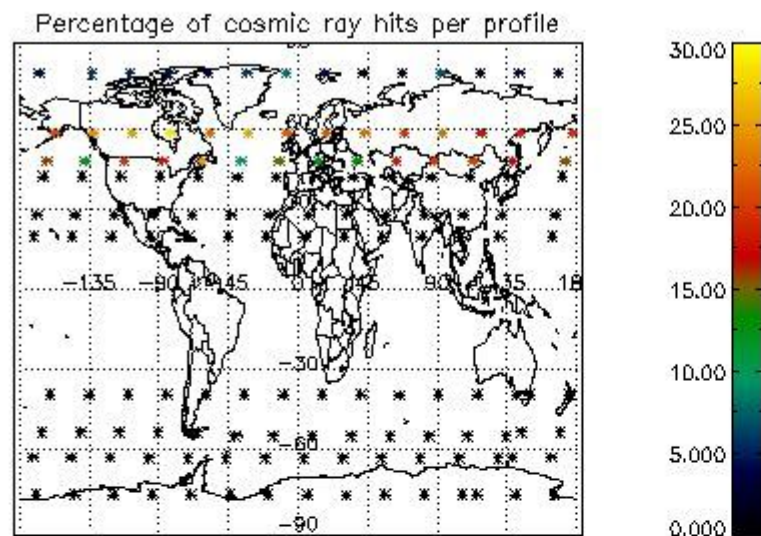


*4.2 Plot quality information per product coming from level 1b processing (world map)*

*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

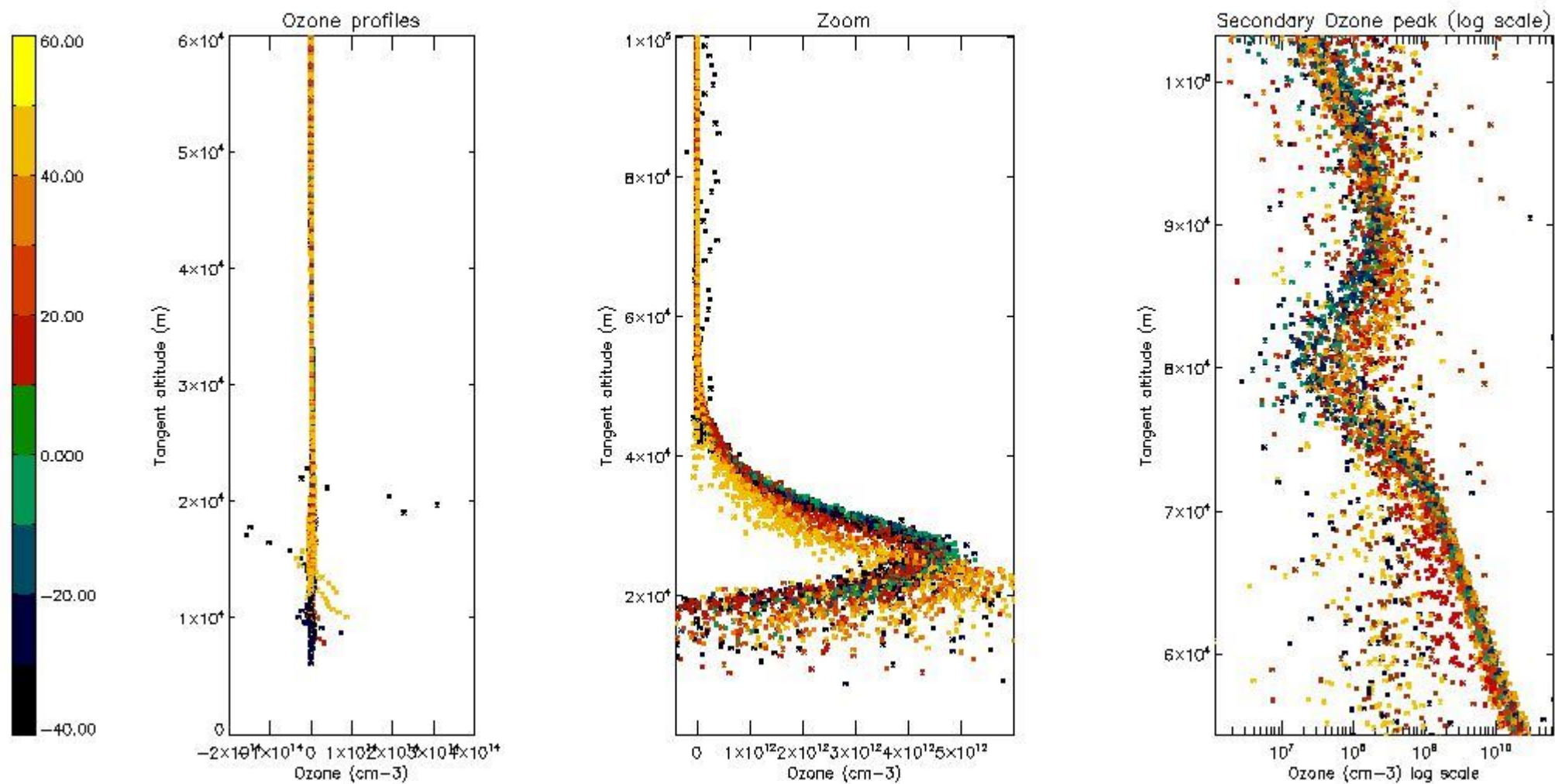
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	37
STD < 20	17

STD < 10	13
STD < 5	8

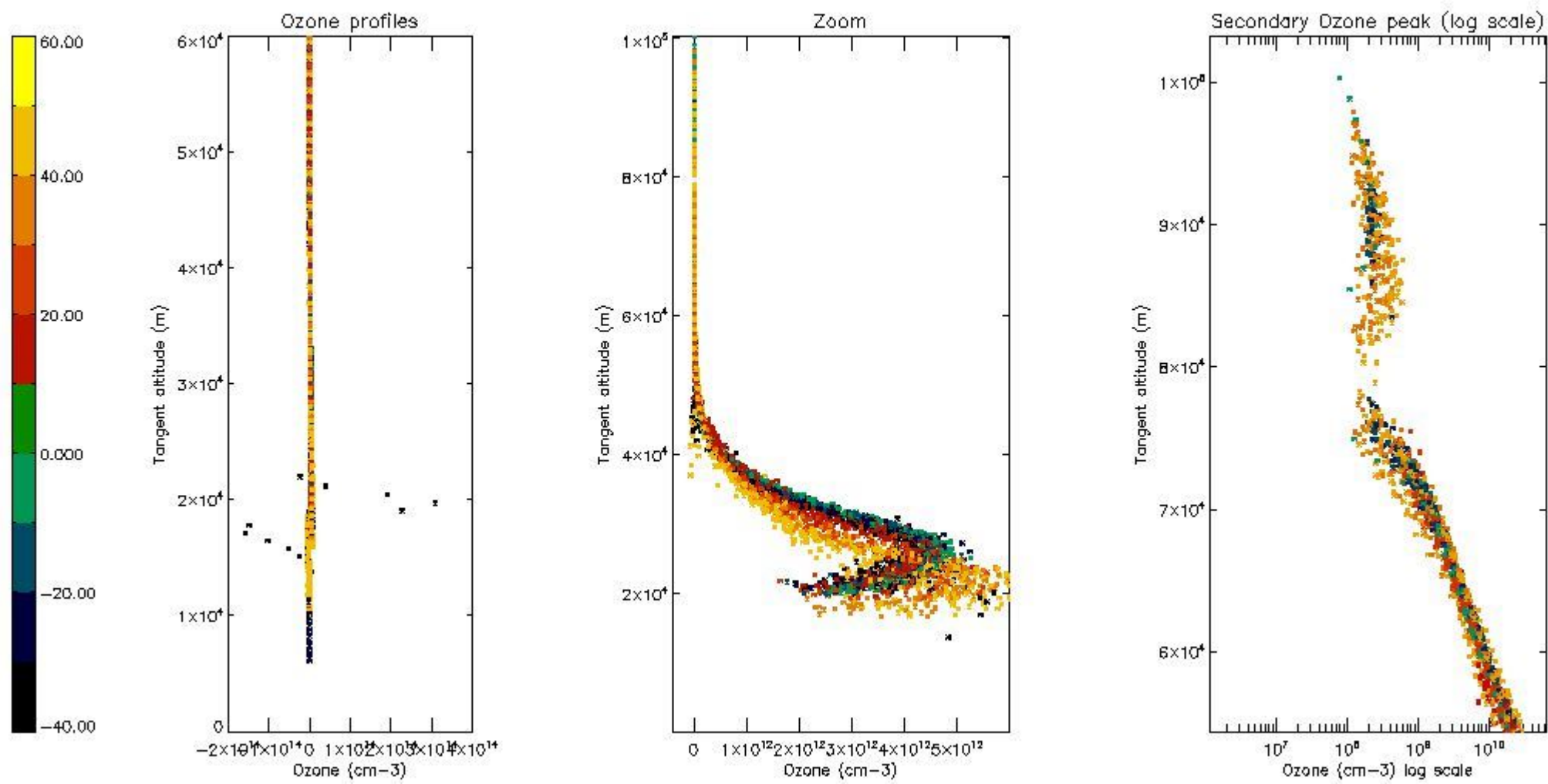
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



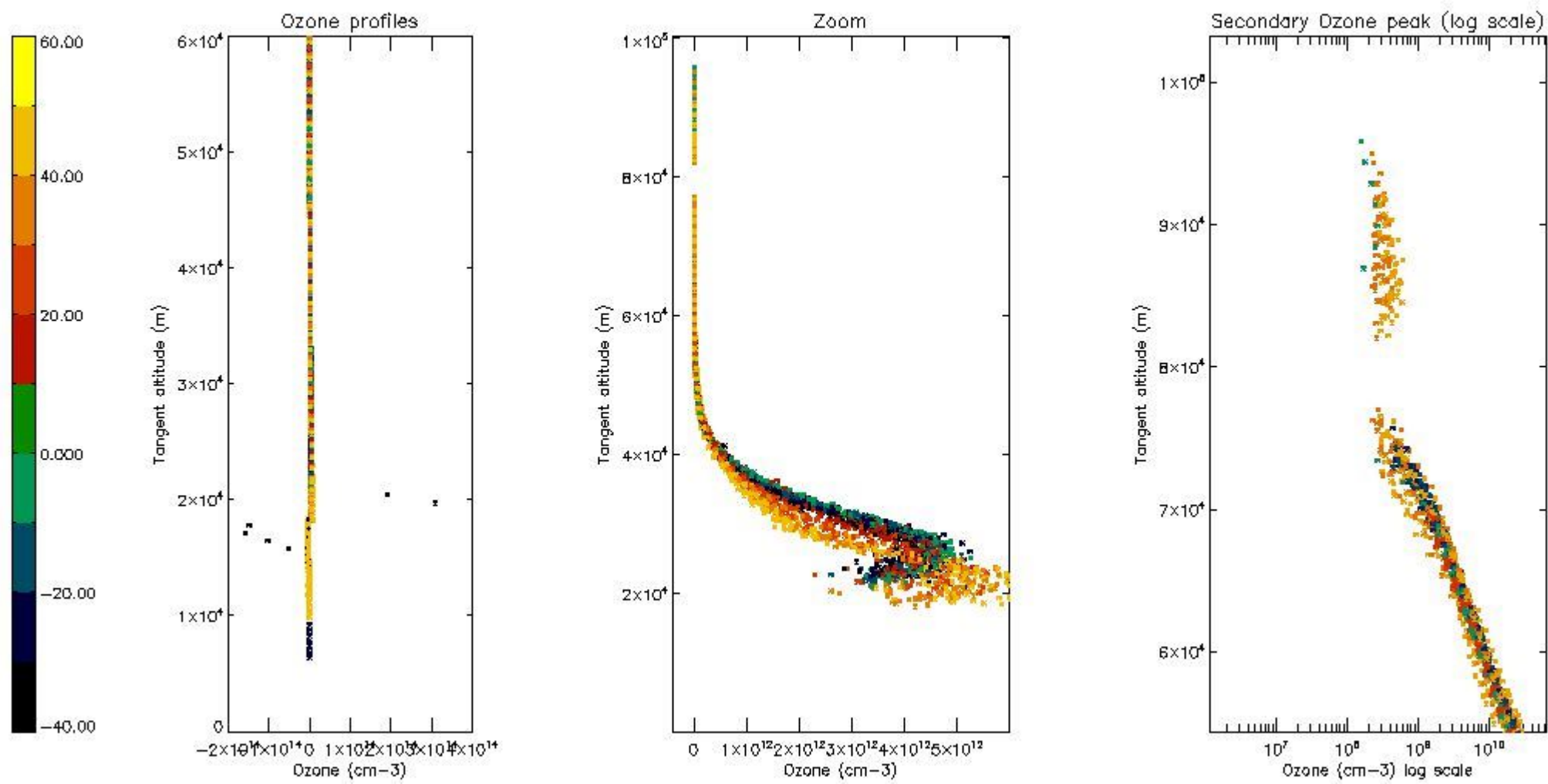
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



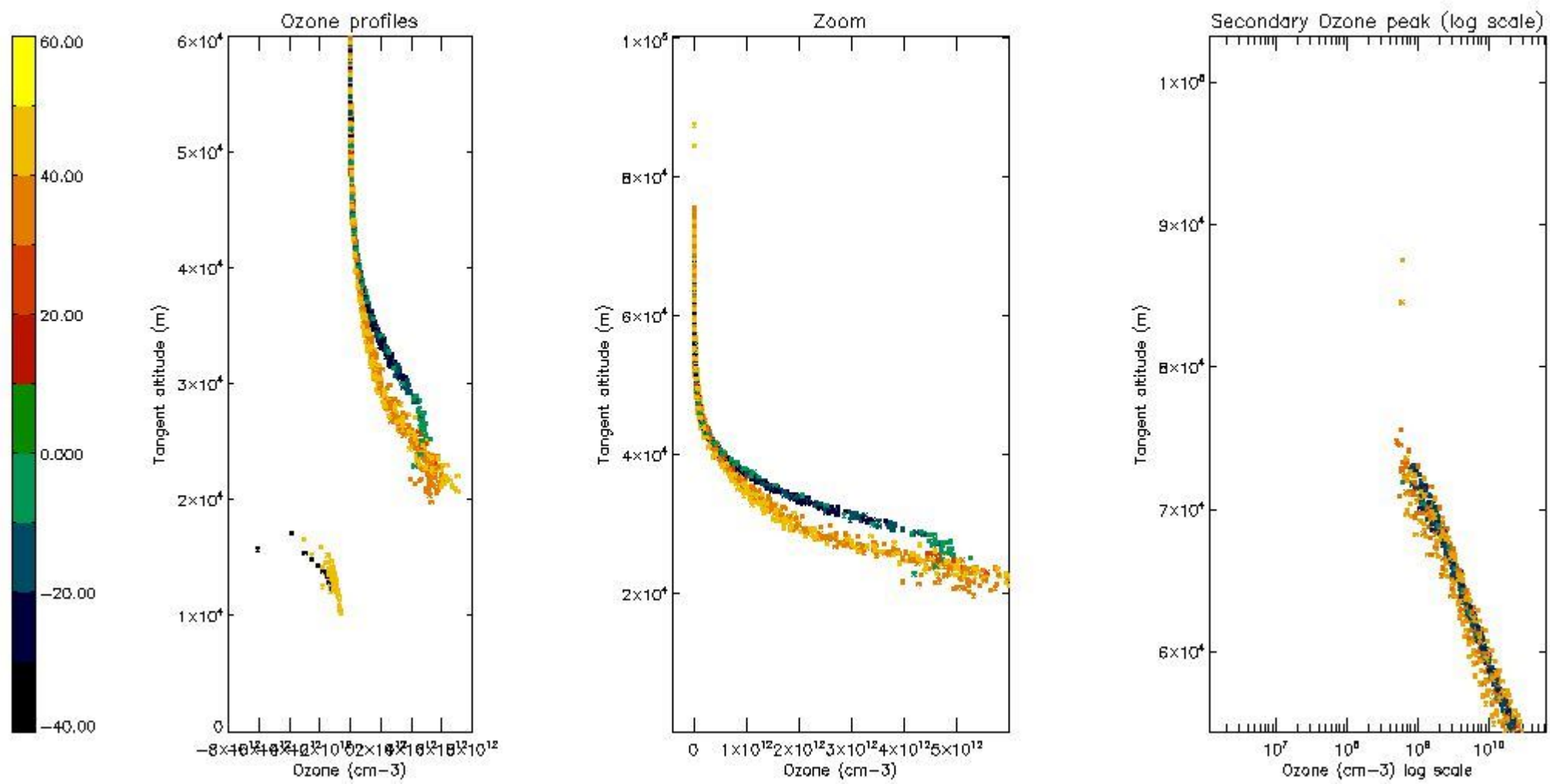
*5.4 Plot ozone profiles where STD < 10% (dark without errors)*

The colorbar represents the latitude.



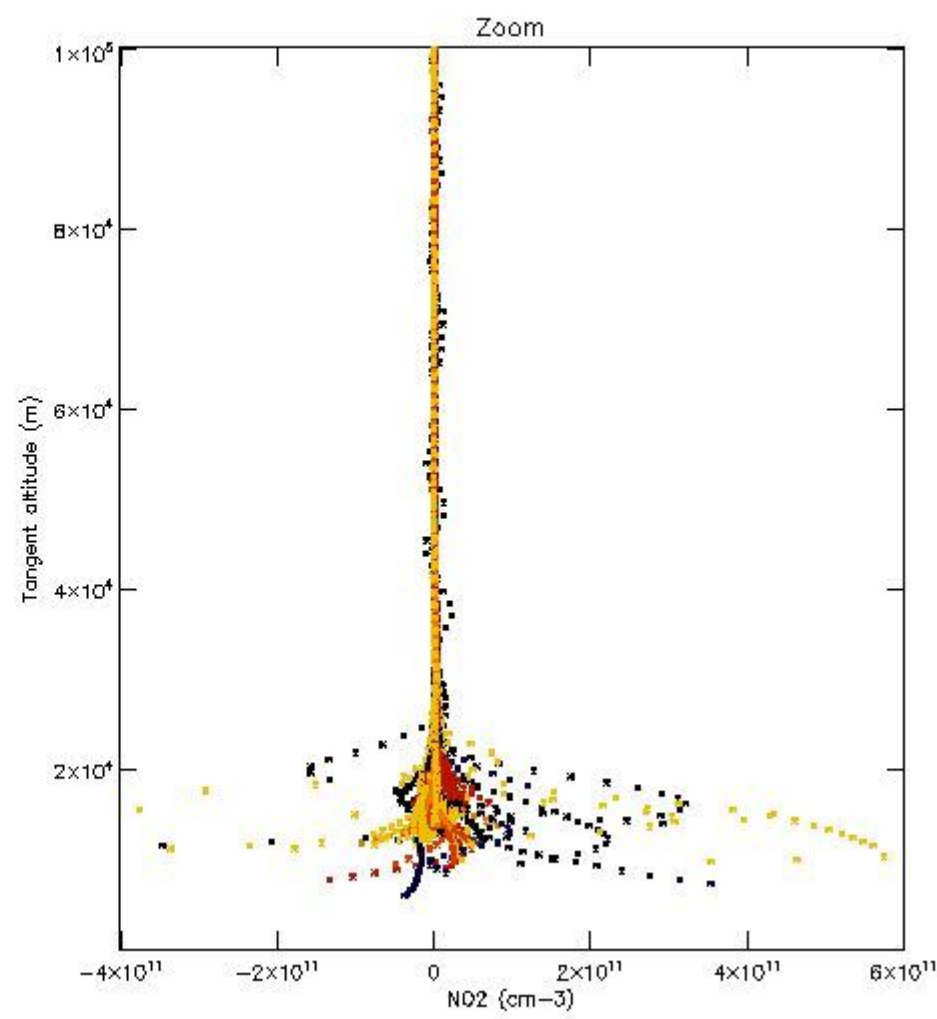
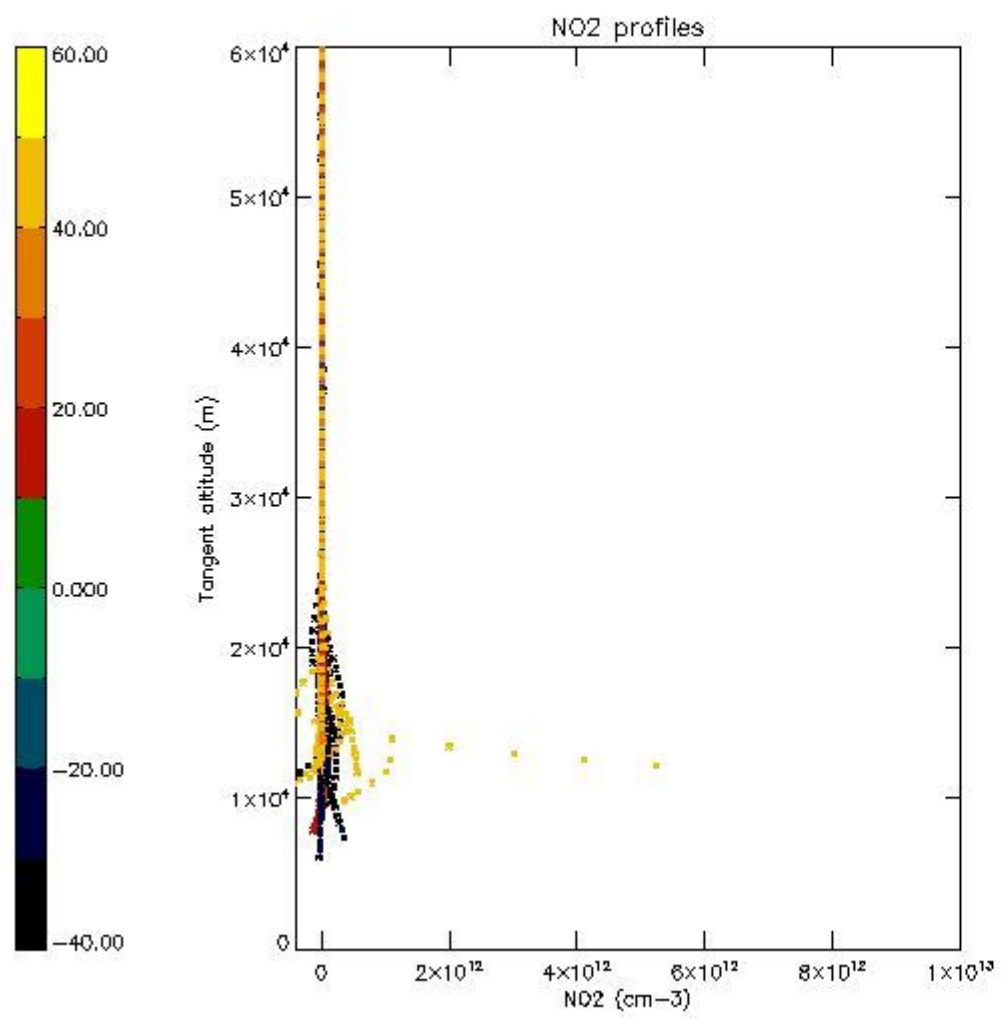
*5.5 Plot ozone profiles where  $STD < 5\%$  (dark without errors)*

The colorbar represents the latitude.



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

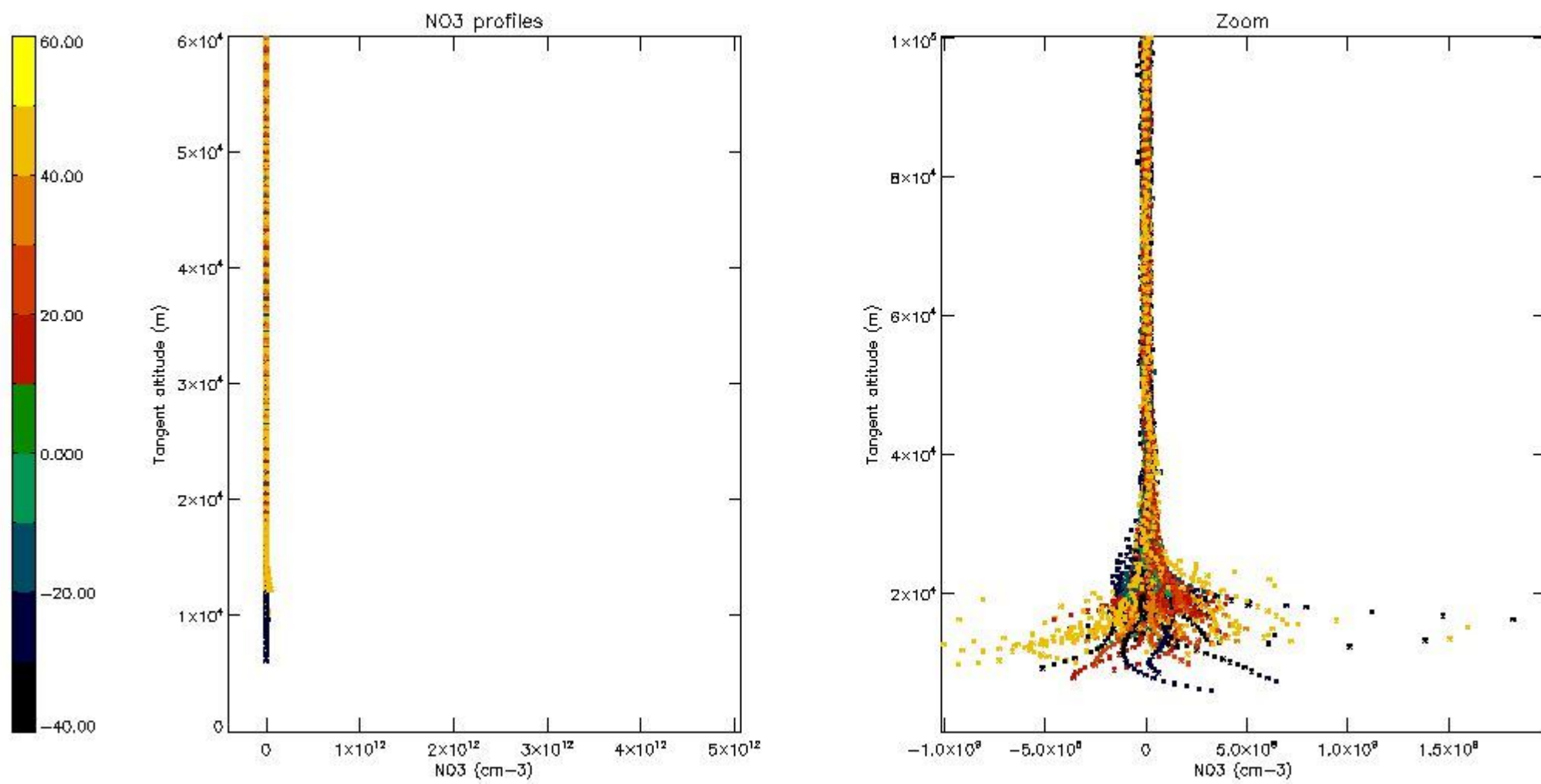
The colorbar represents the latitude.



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

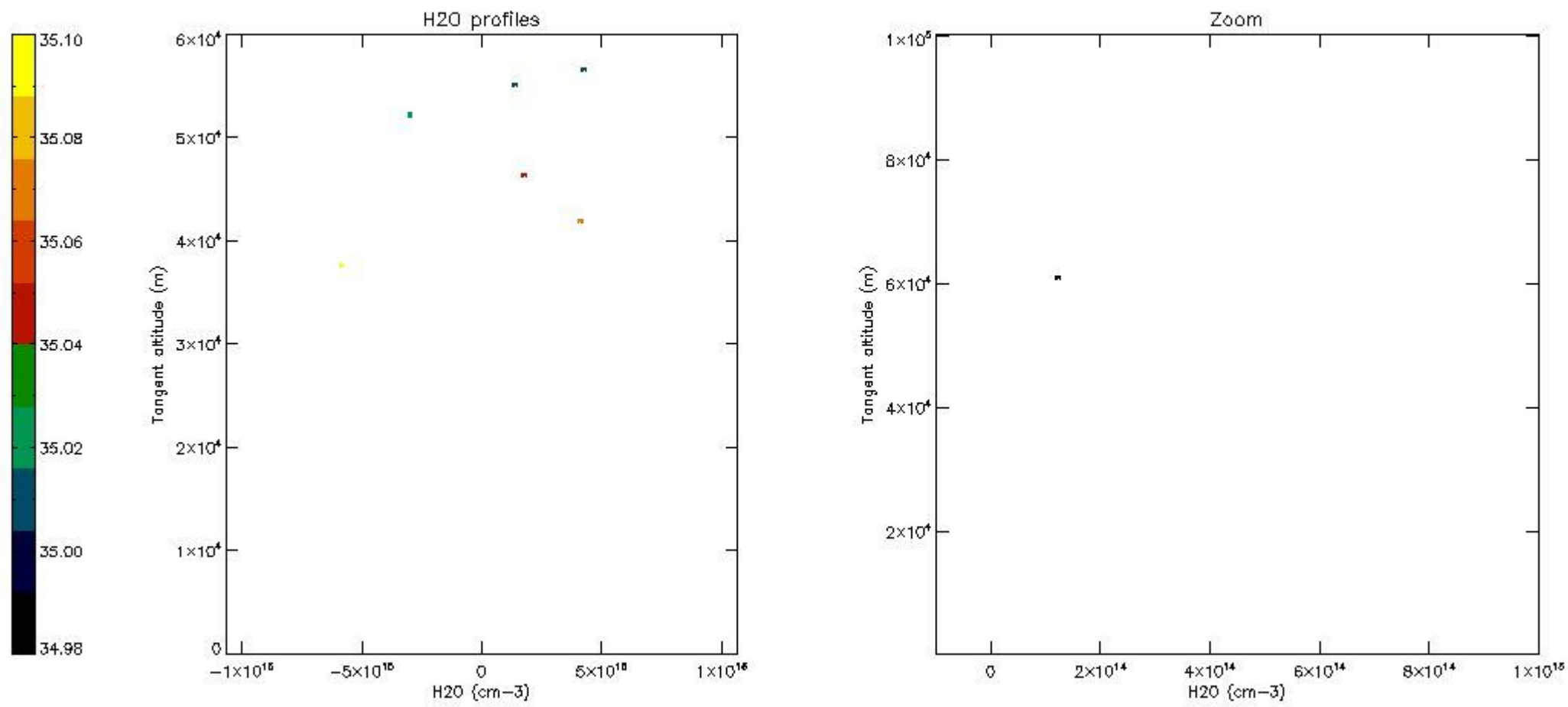
The colorbar represents the latitude.





*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)*

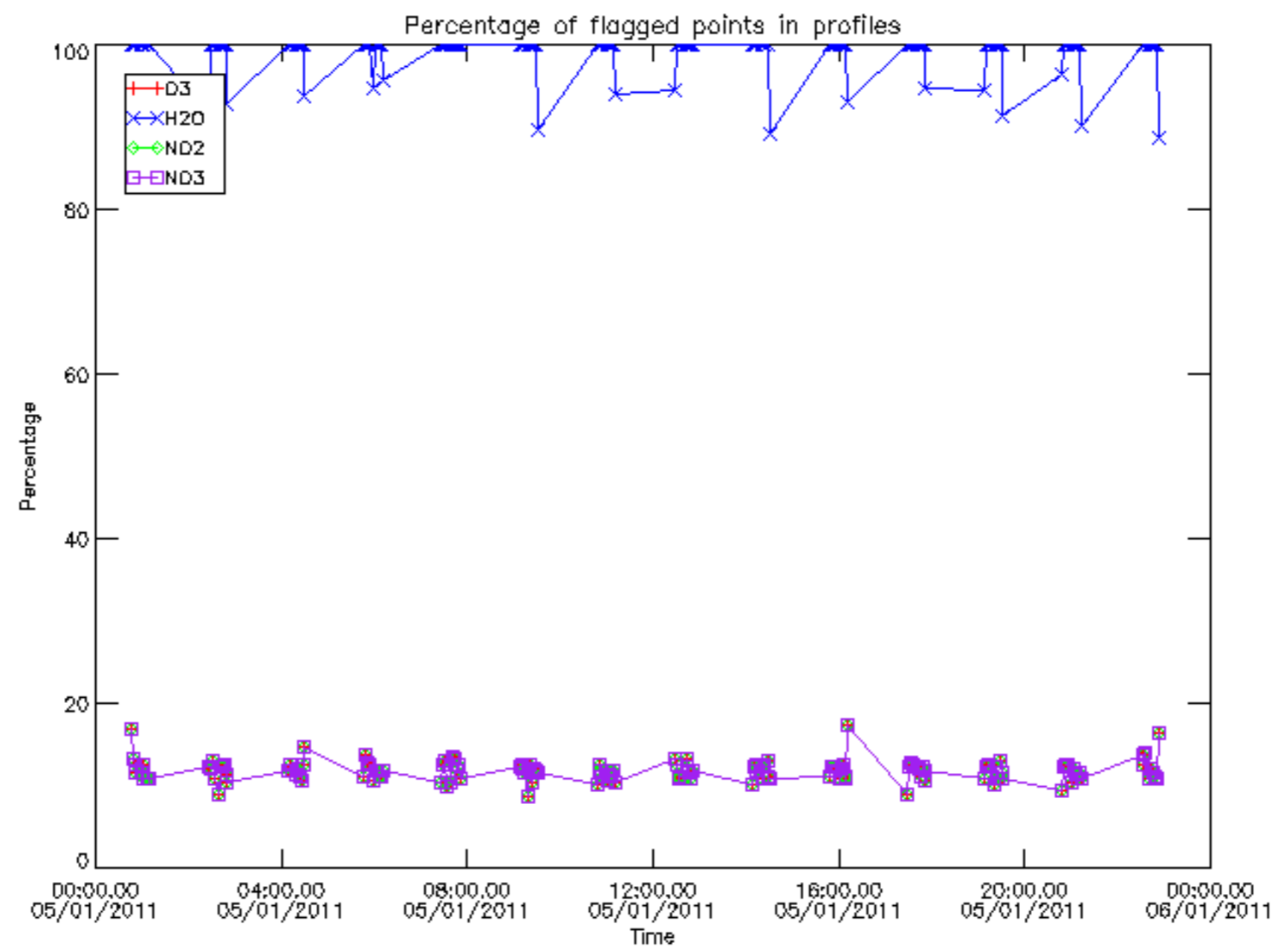
The colorbar represents the latitude.



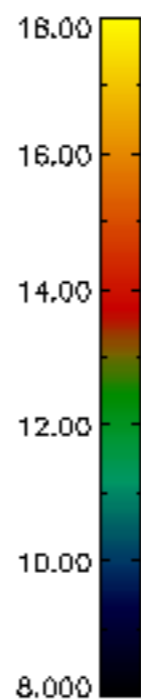
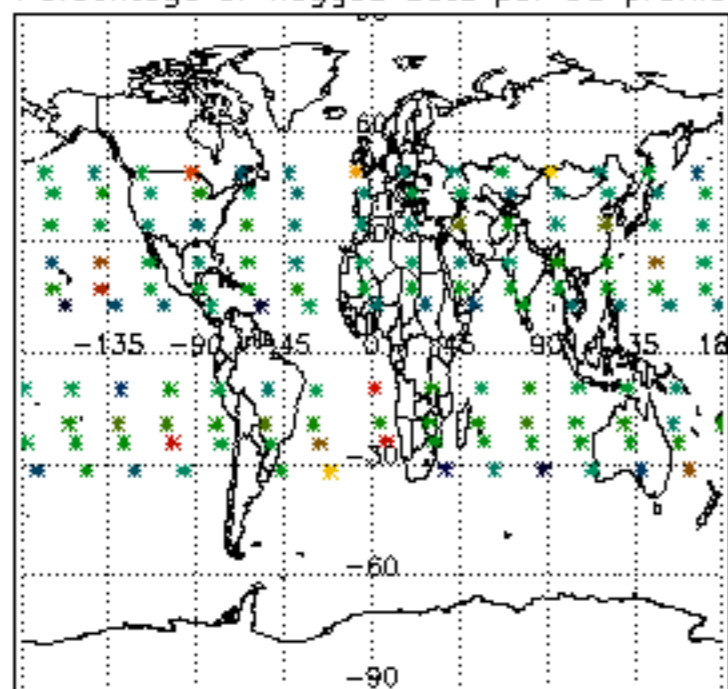
## 6. Auxiliary Data Files used for the production reported in section 2

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.

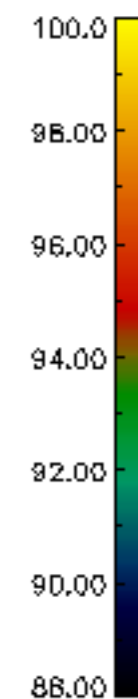
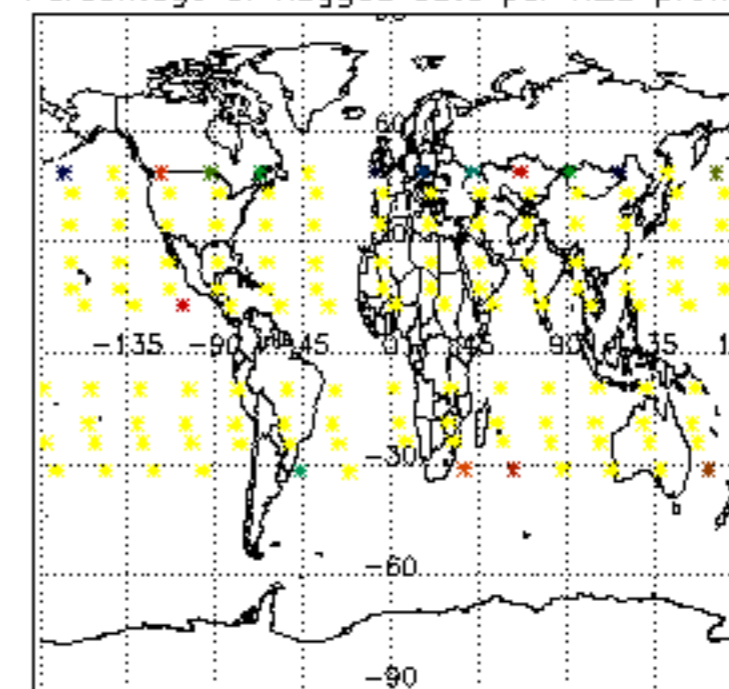
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXVIEC20091111_143220_20030716_120000_20500101_000000	1	05-JAN-2011 00:10:43
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	05-JAN-2011 00:10:43
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	05-JAN-2011 00:10:43



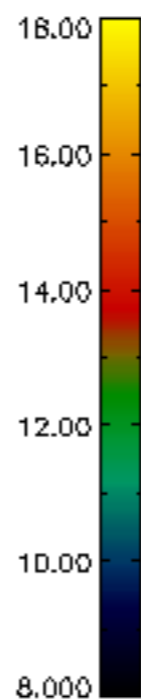
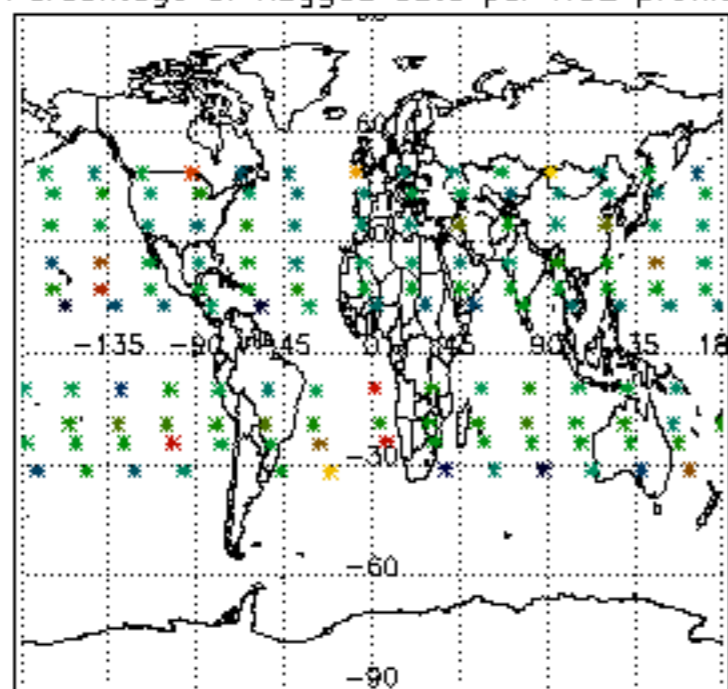
Percentage of flagged data per D3 profile



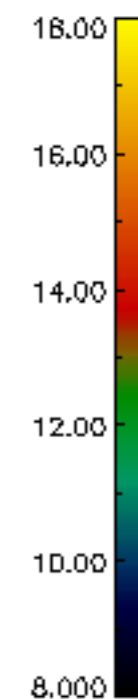
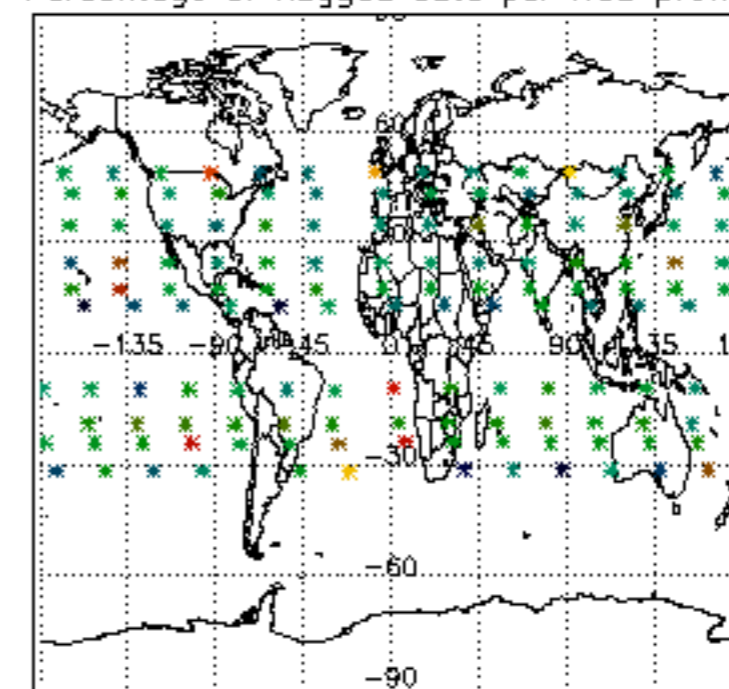
Percentage of flagged data per H2O profile

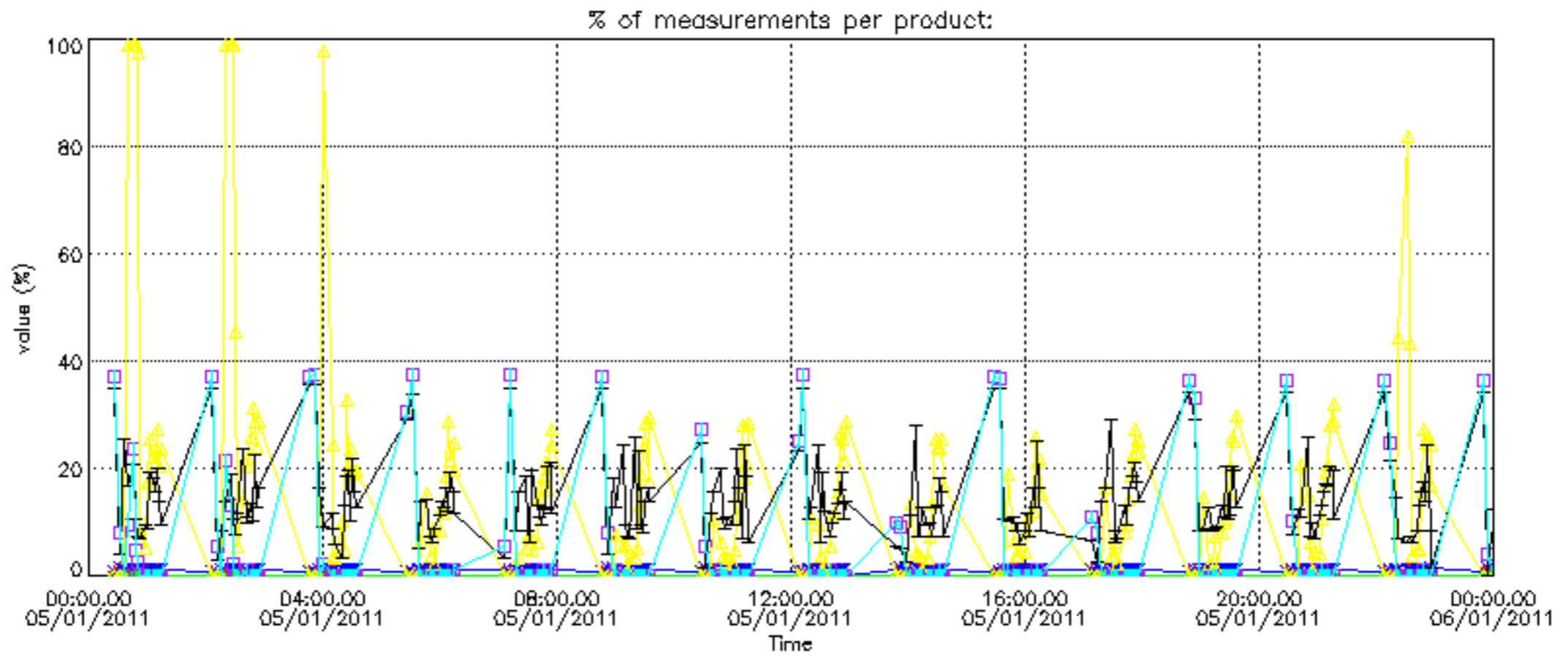


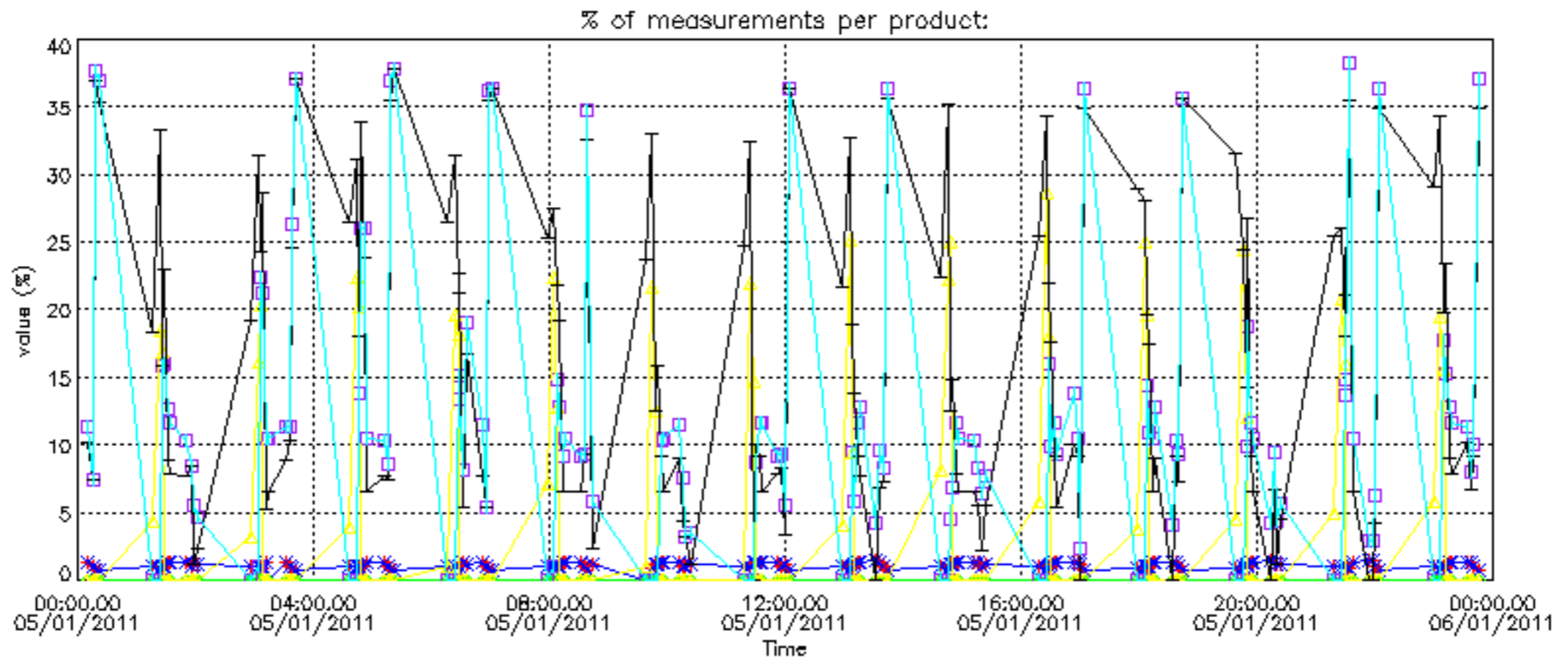
Percentage of flagged data per NO2 profile



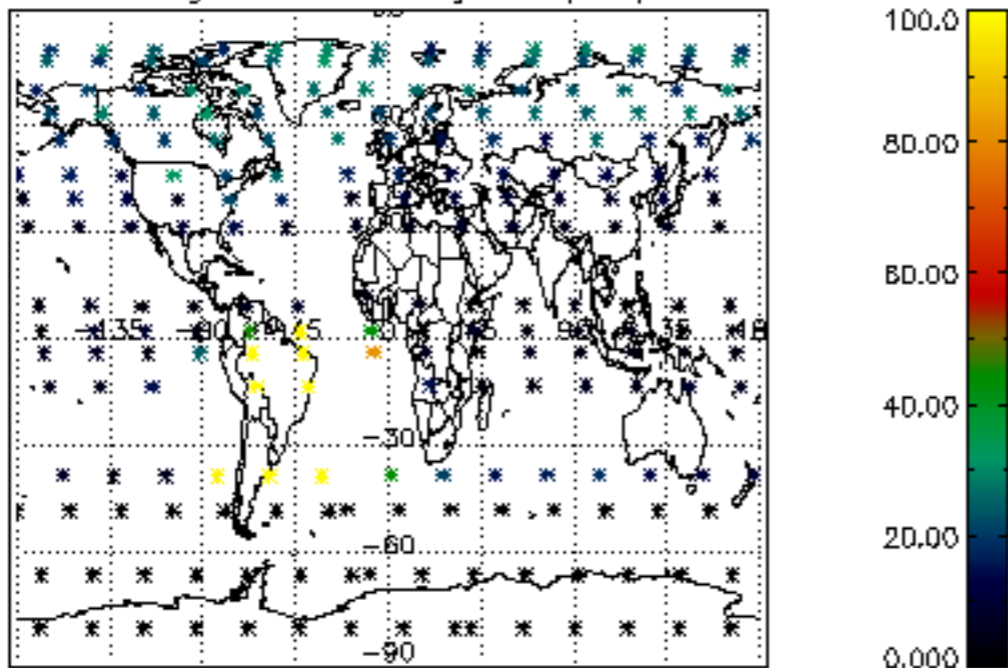
Percentage of flagged data per NO3 profile



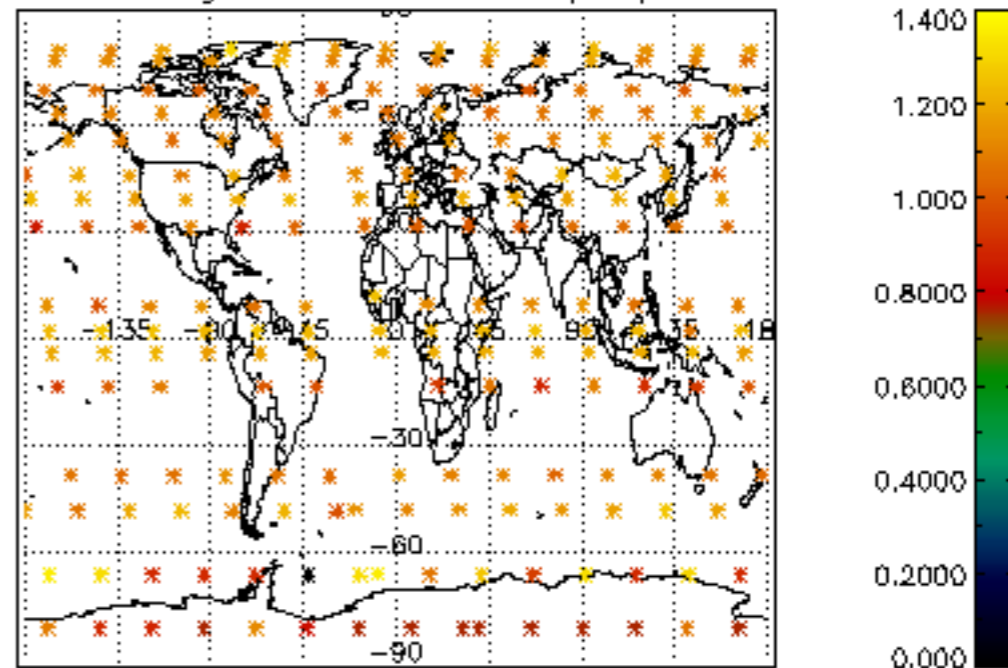




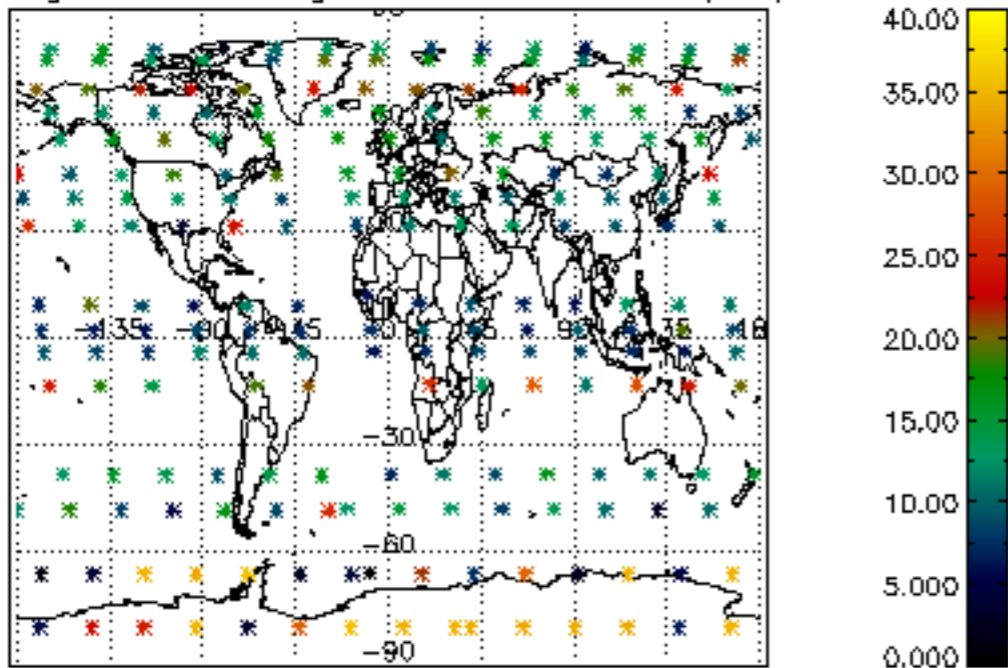
Percentage of cosmic ray hits per profile



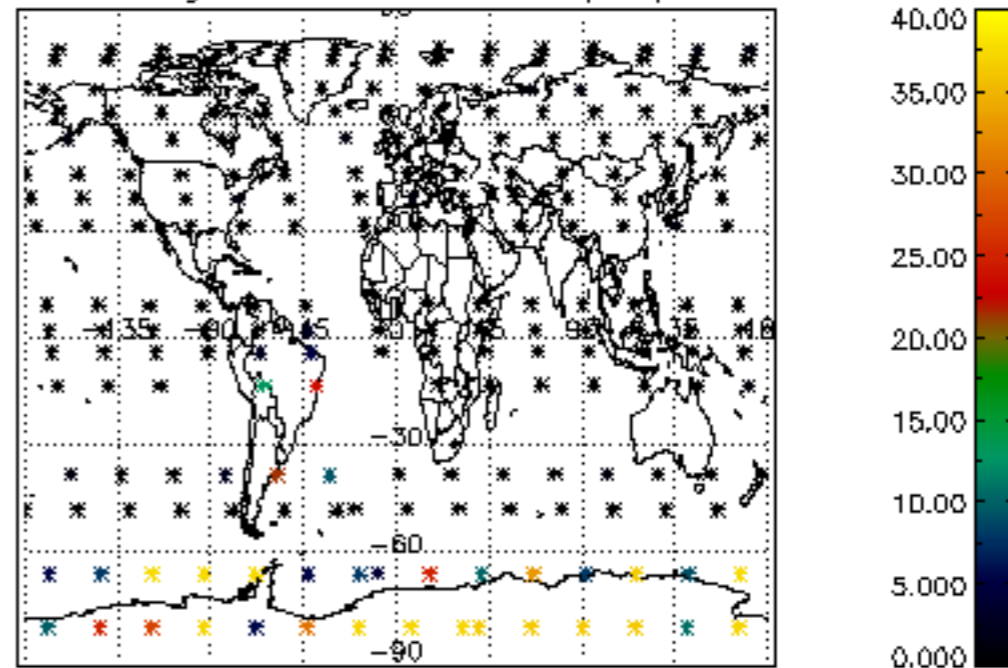
Percentage of datation errors per profile



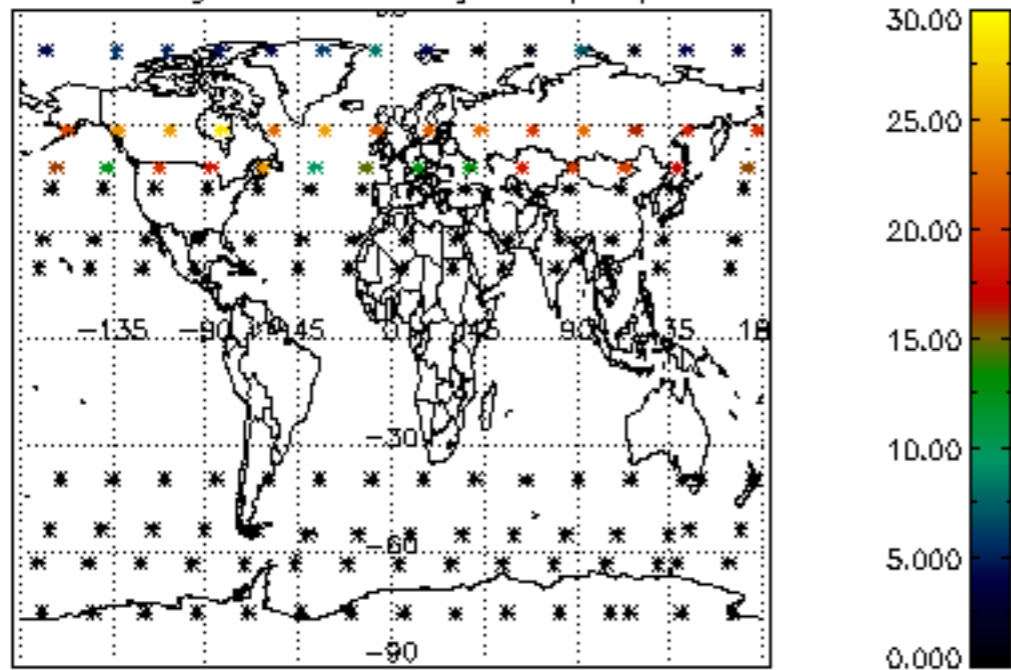
Percentage of star falling outside central band per profile



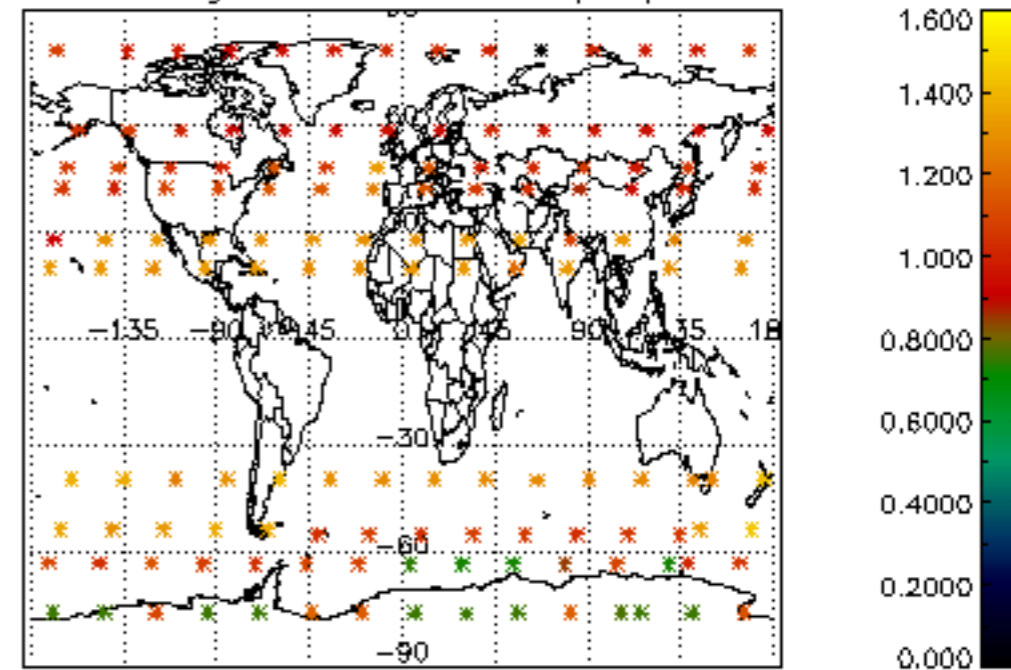
Percentage of saturation errors per profile



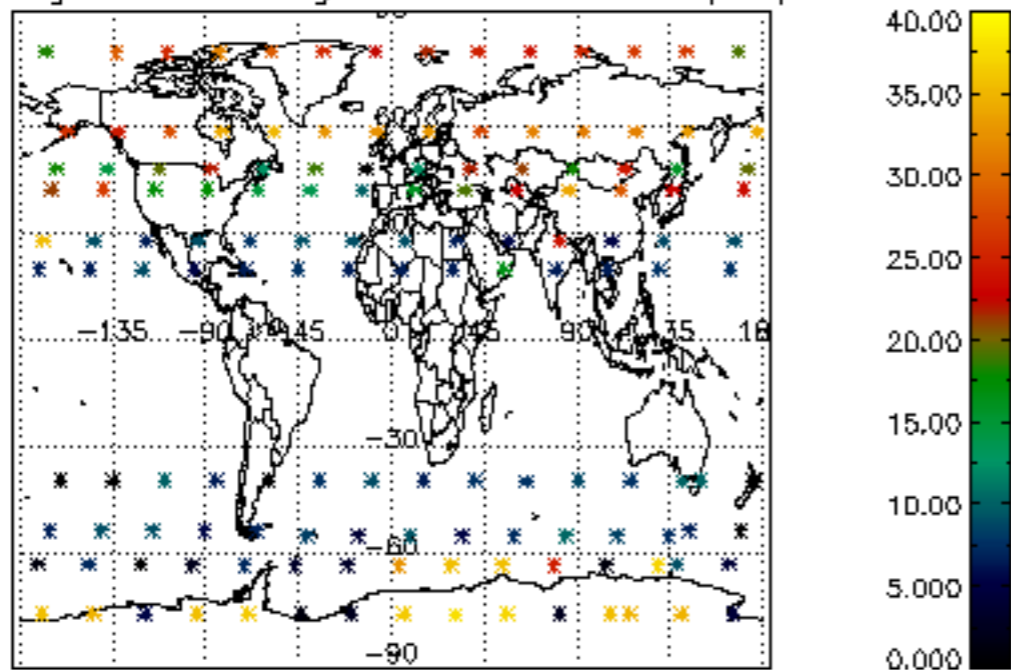
Percentage of cosmic ray hits per profile



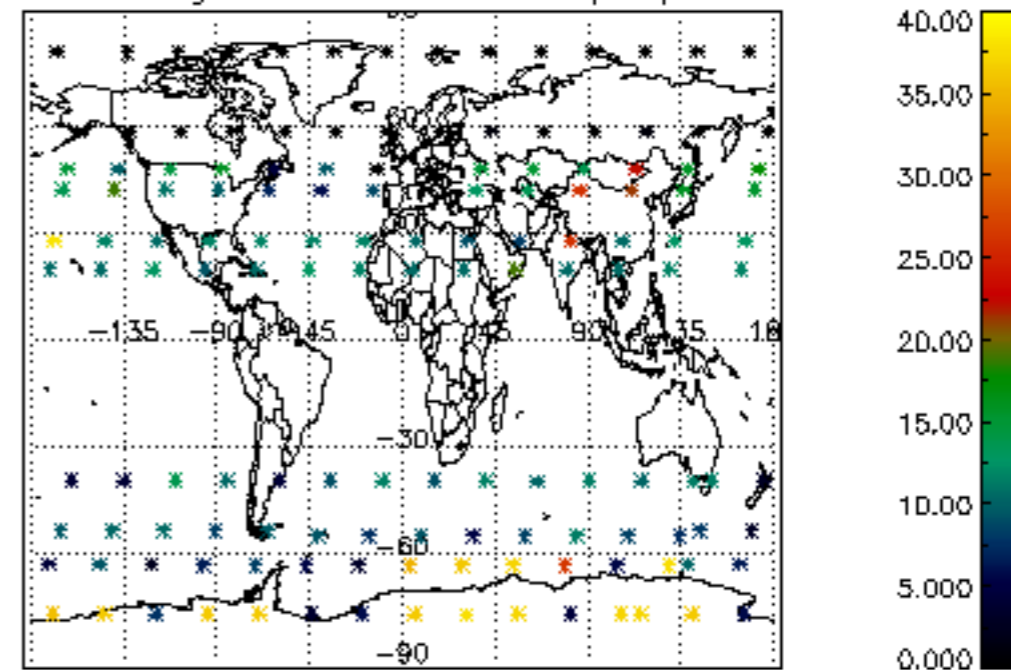
Percentage of datation errors per profile



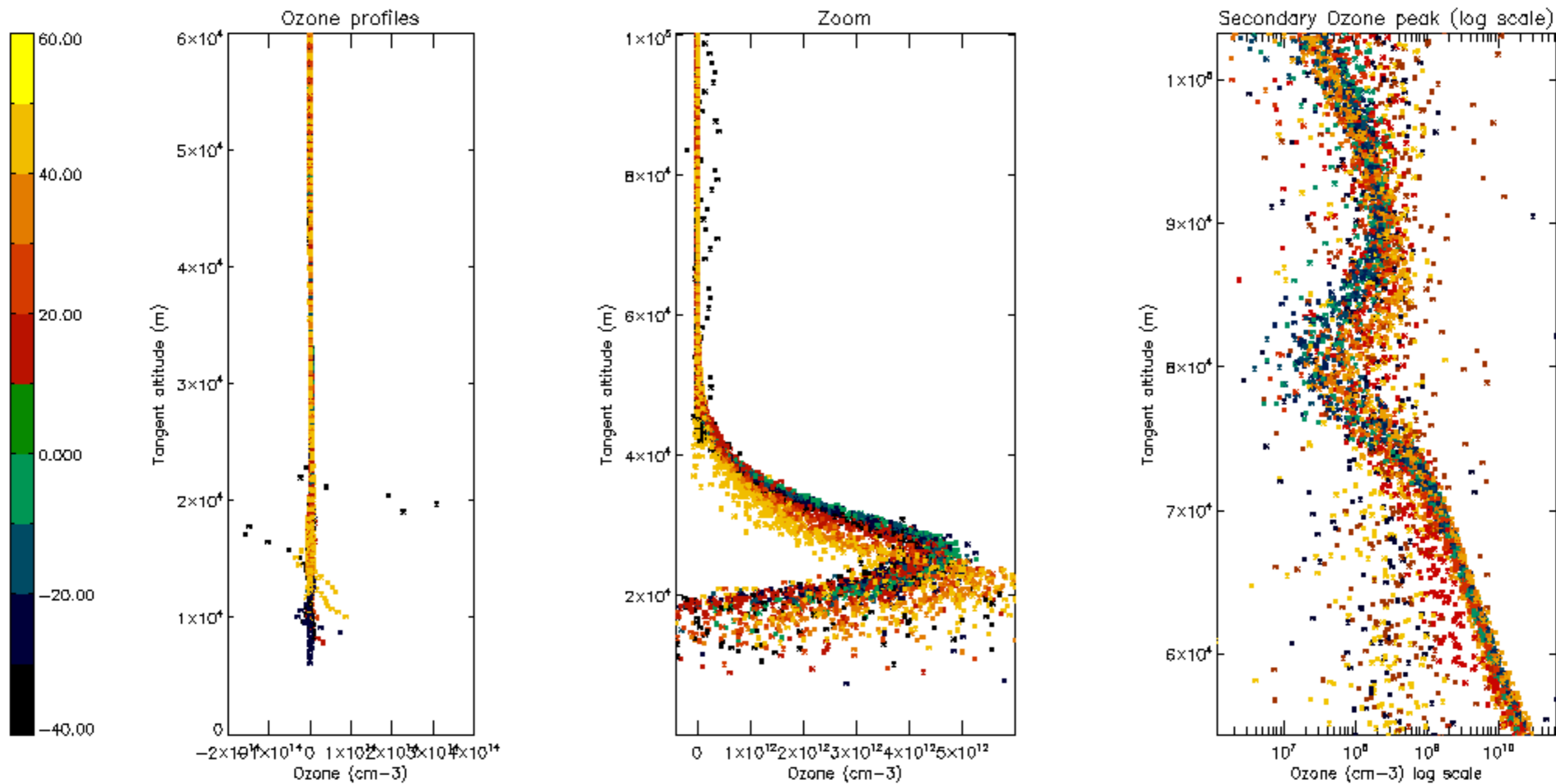
Percentage of star falling outside central band per profile

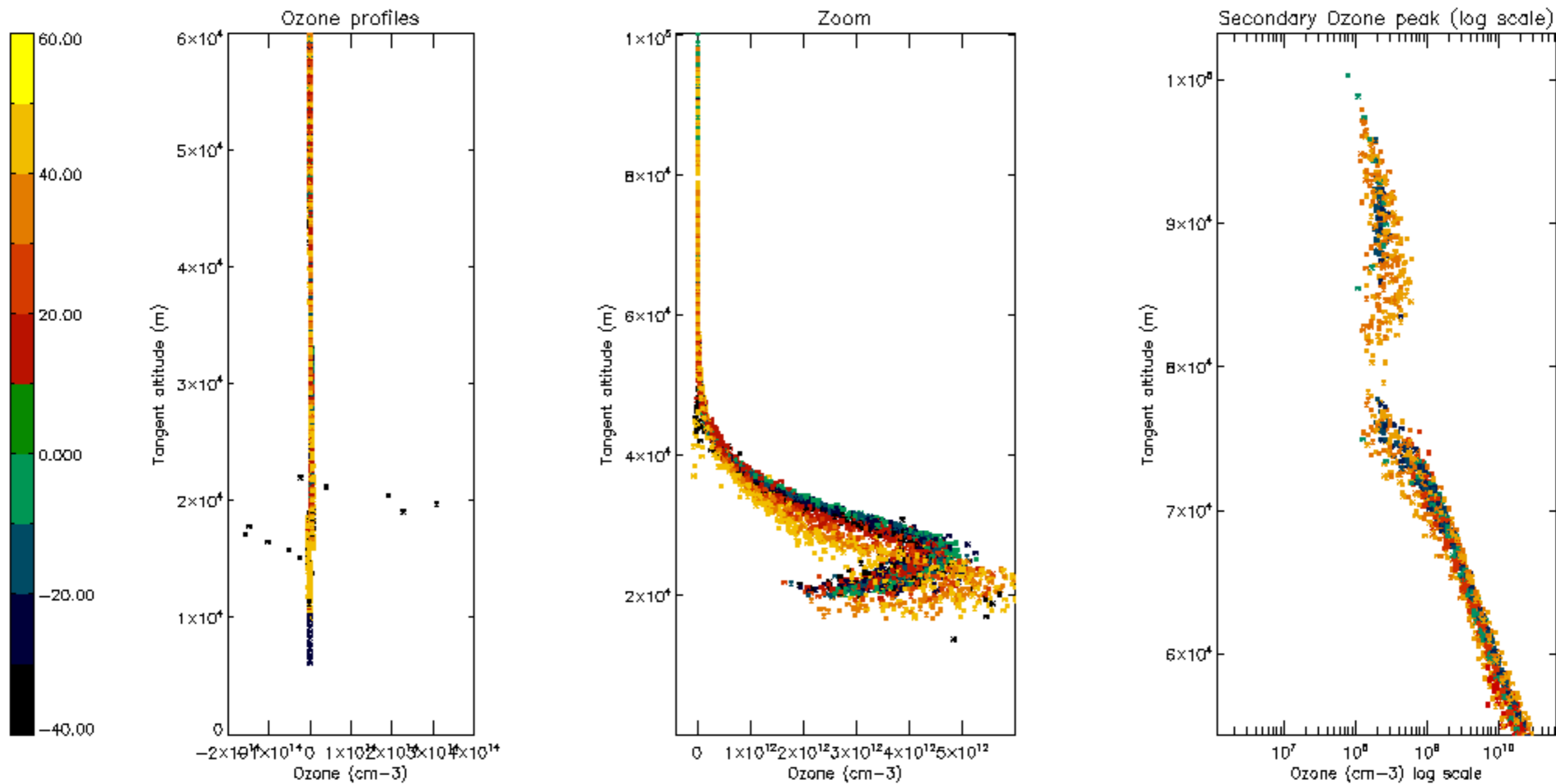


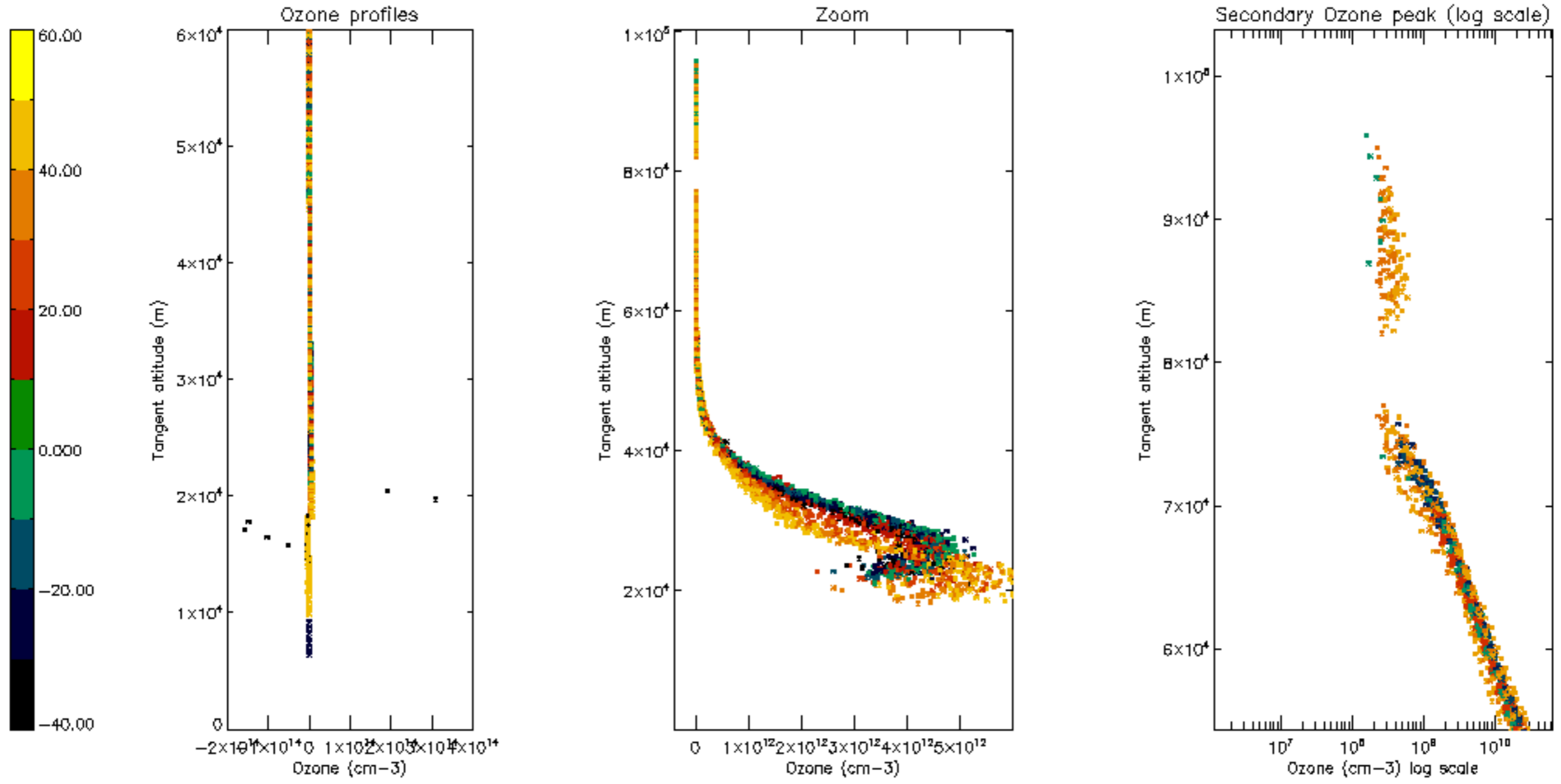
Percentage of saturation errors per profile

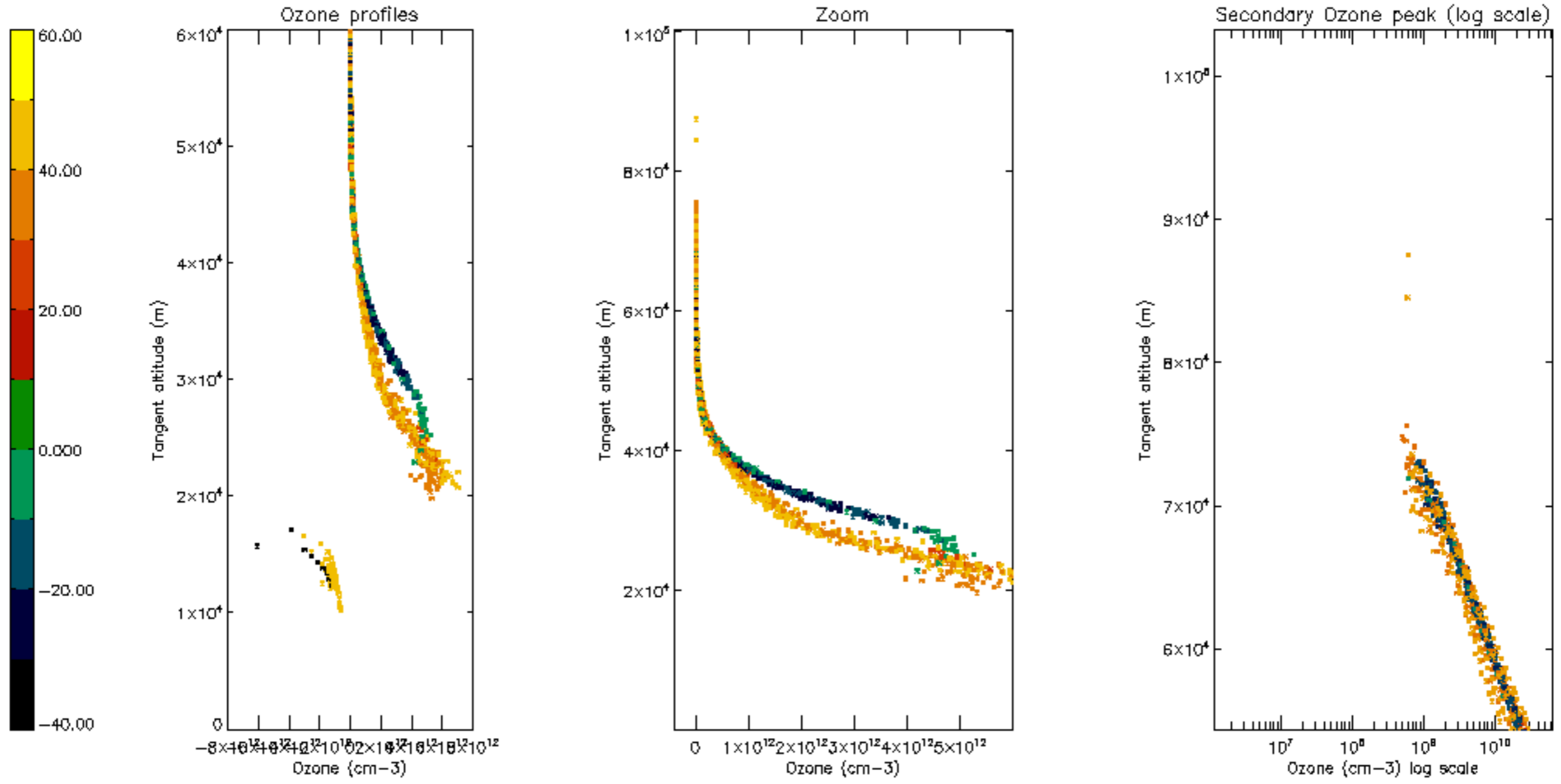


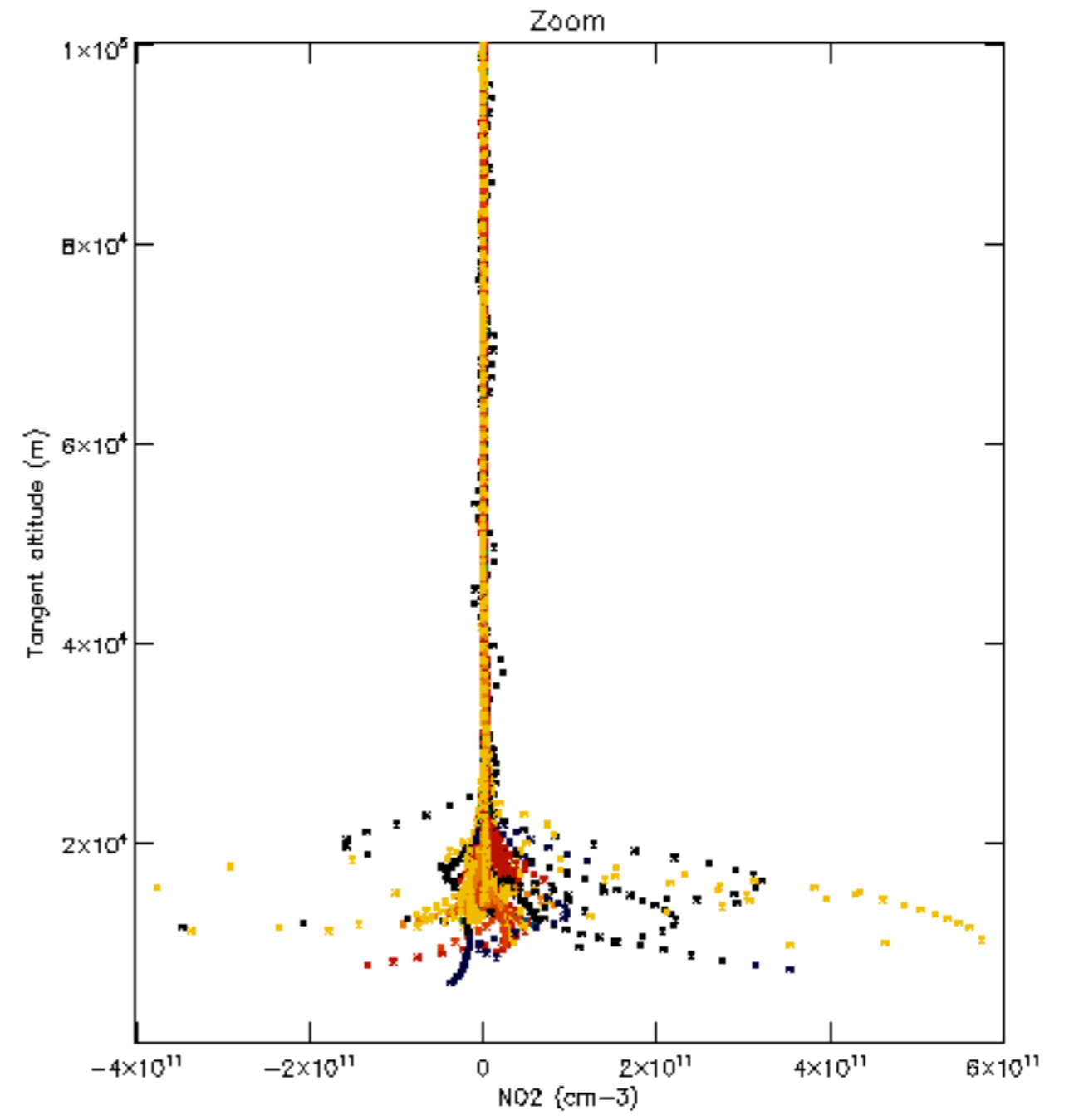
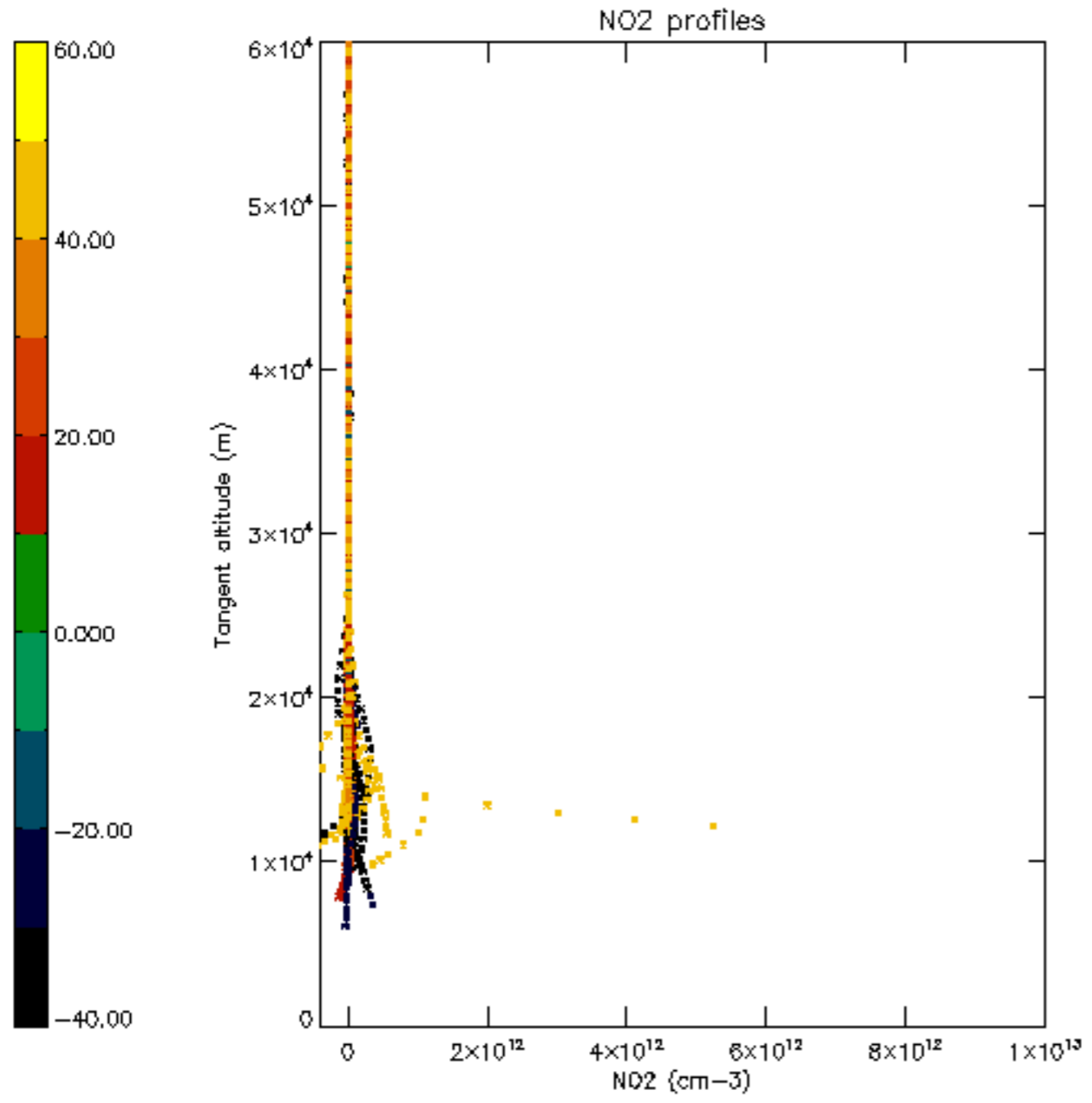


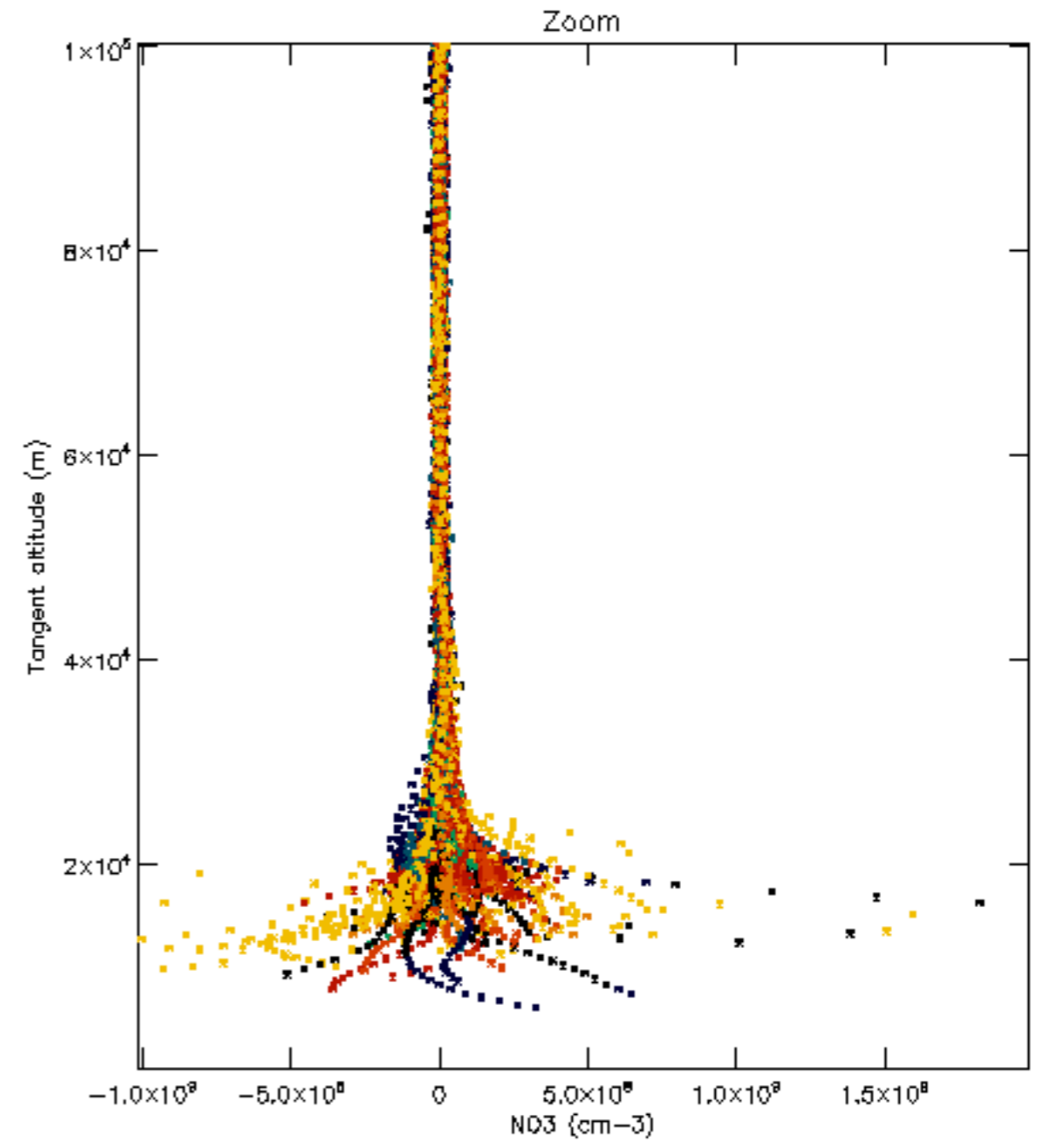
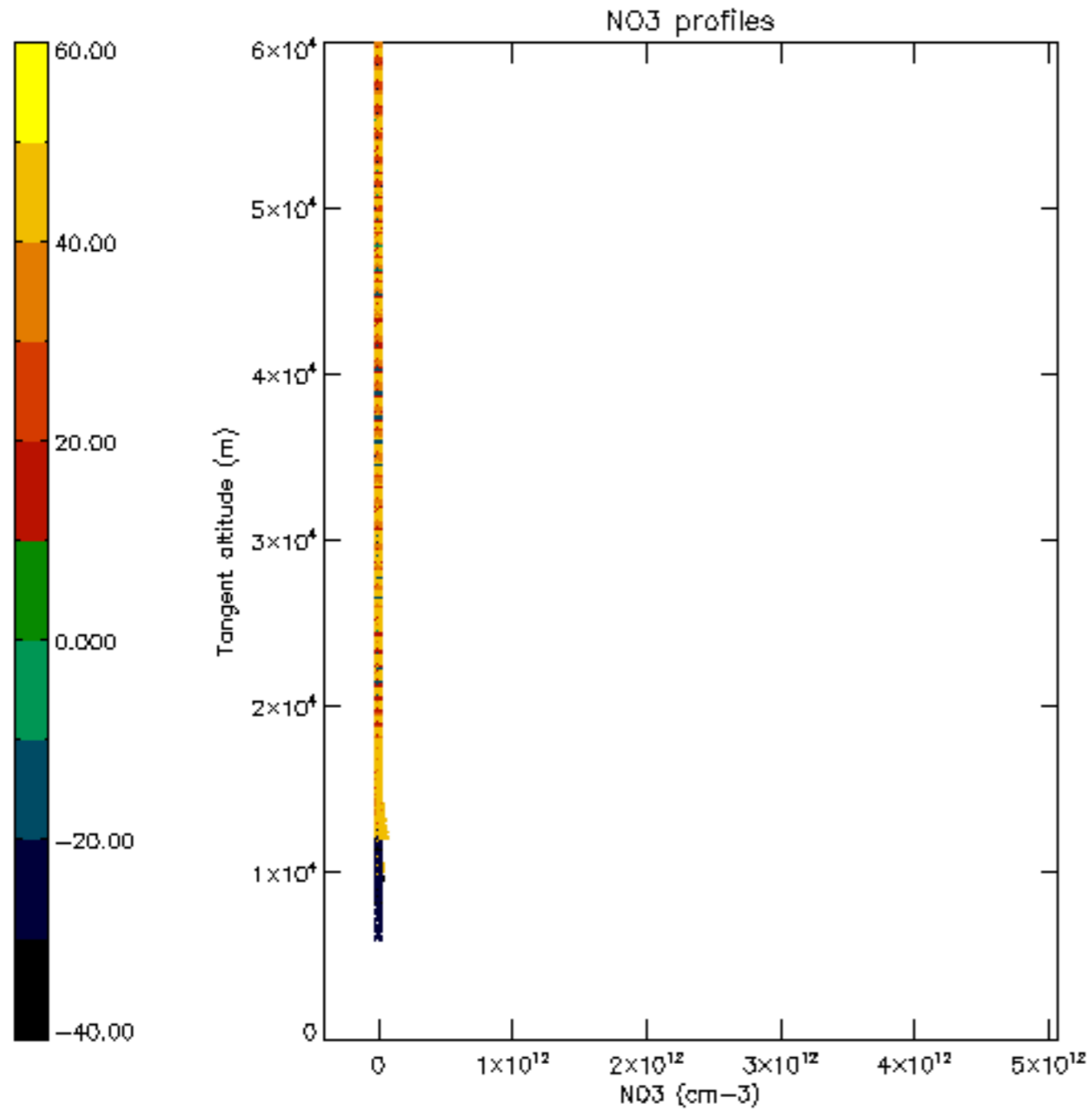


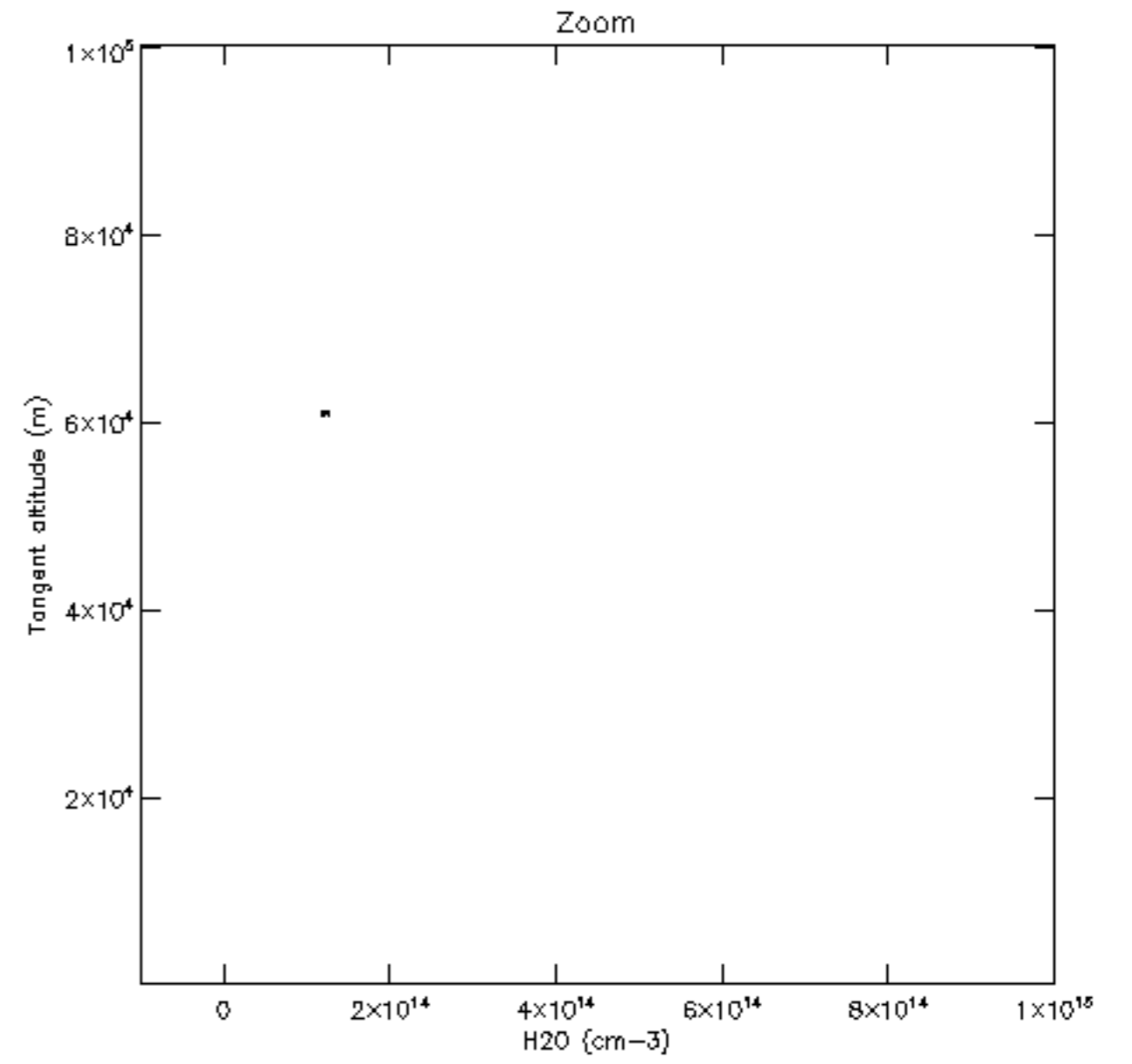
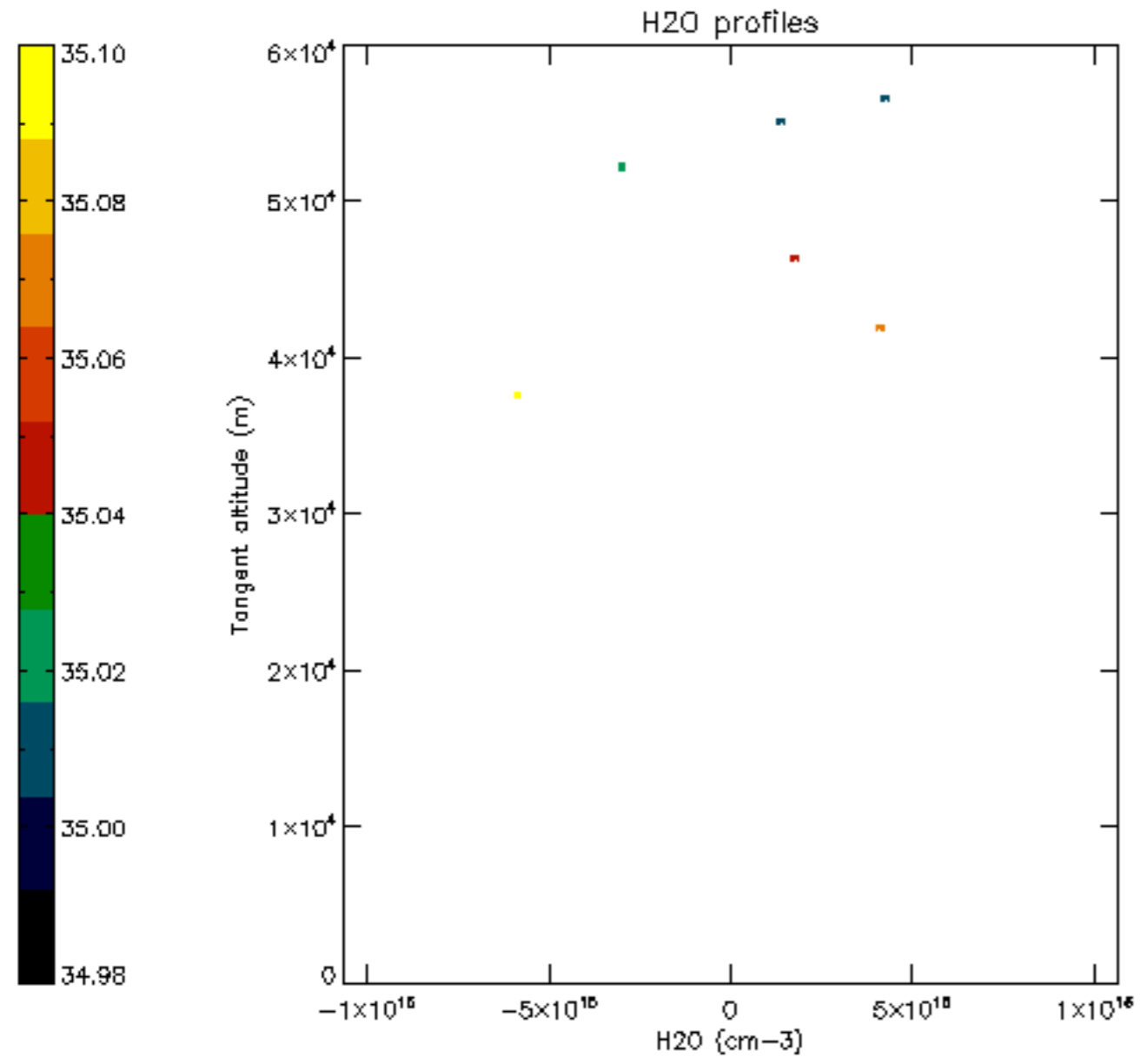


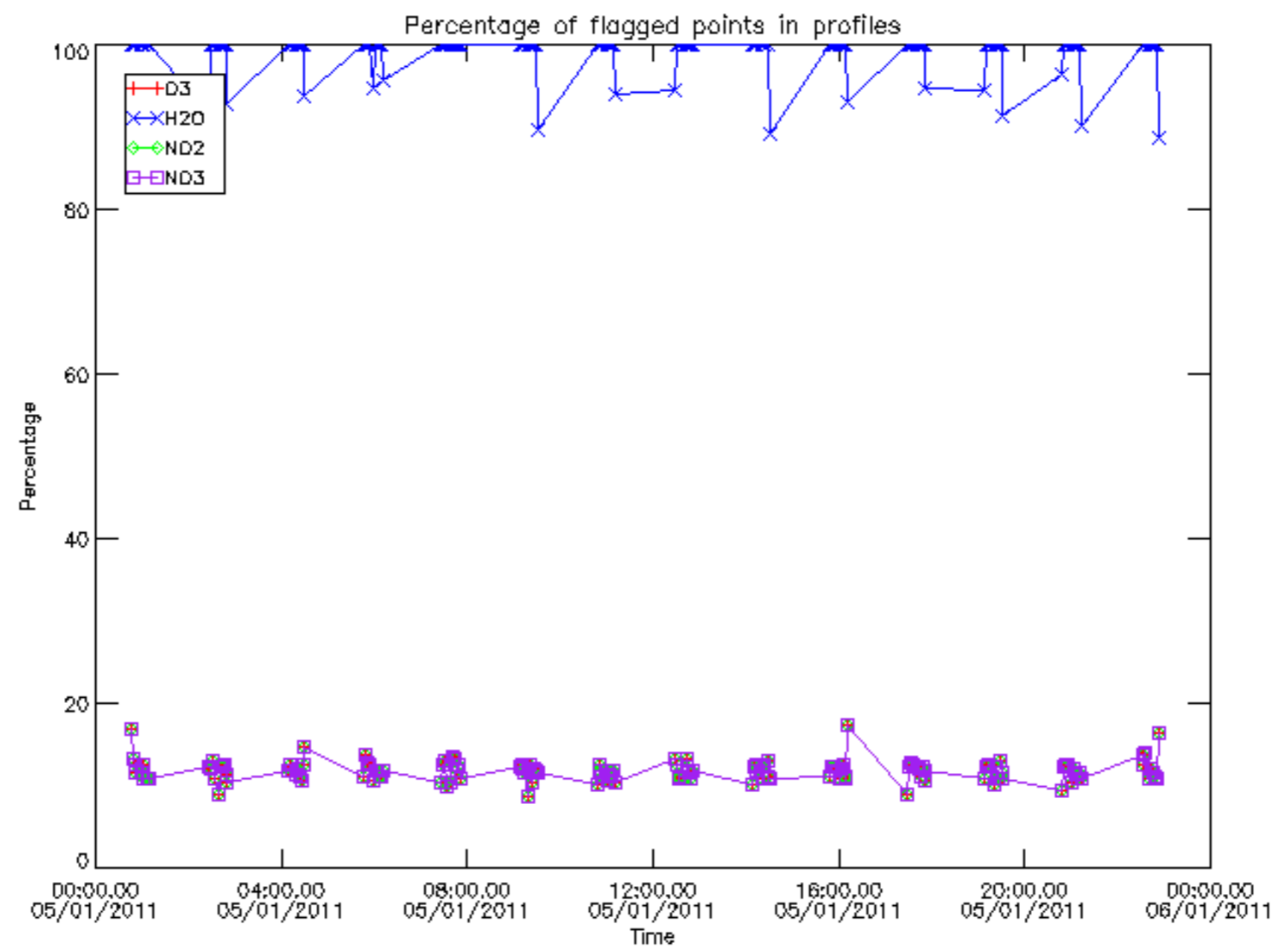






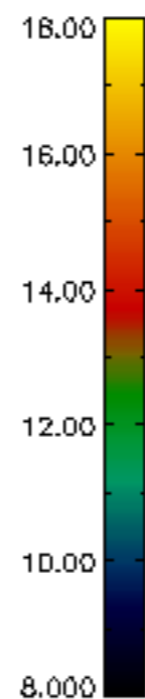
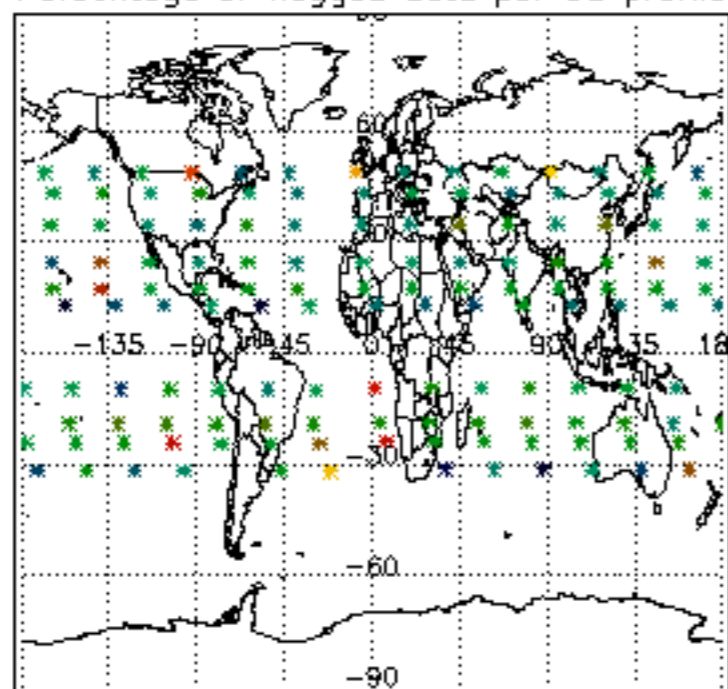




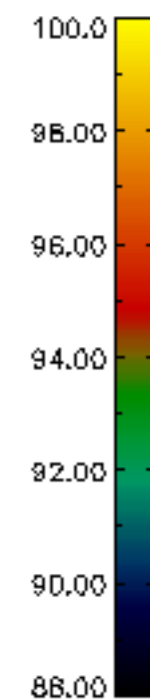
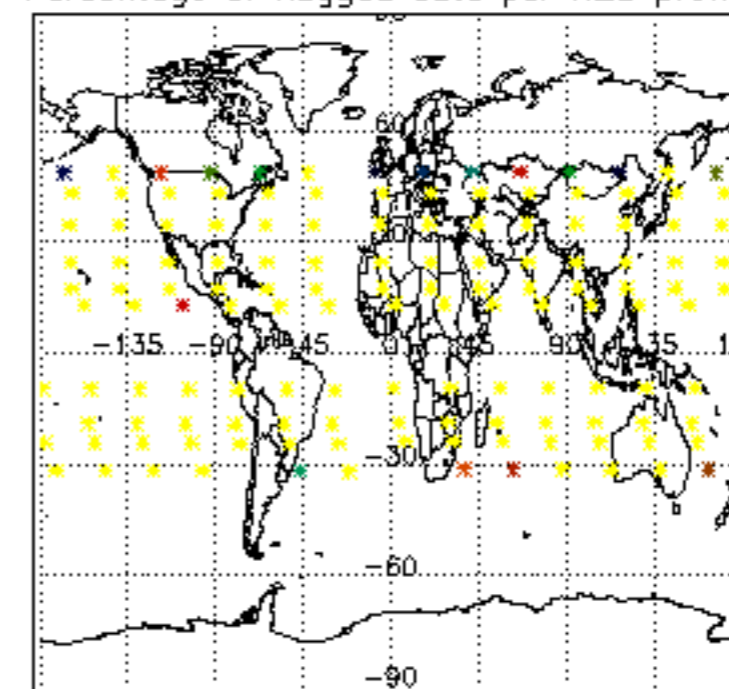




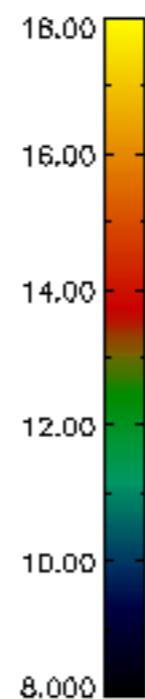
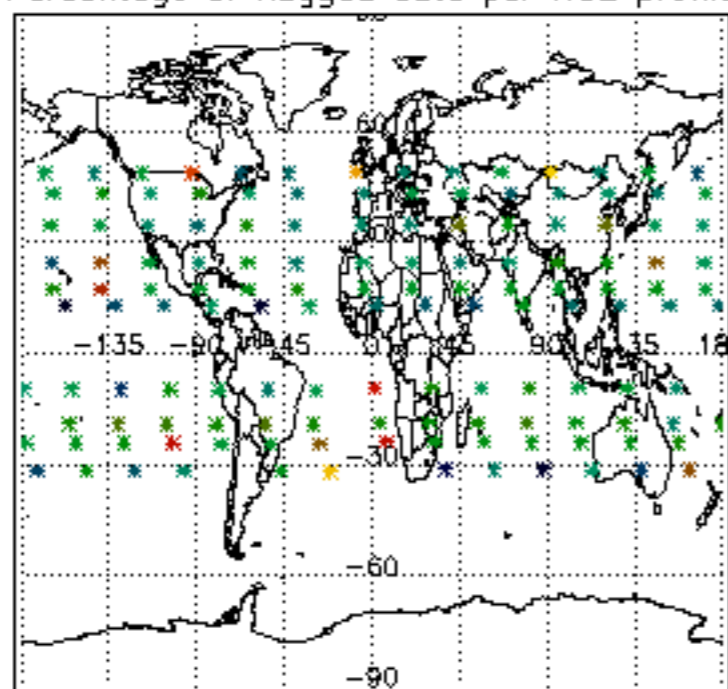
Percentage of flagged data per D3 profile



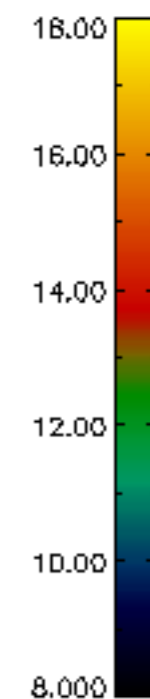
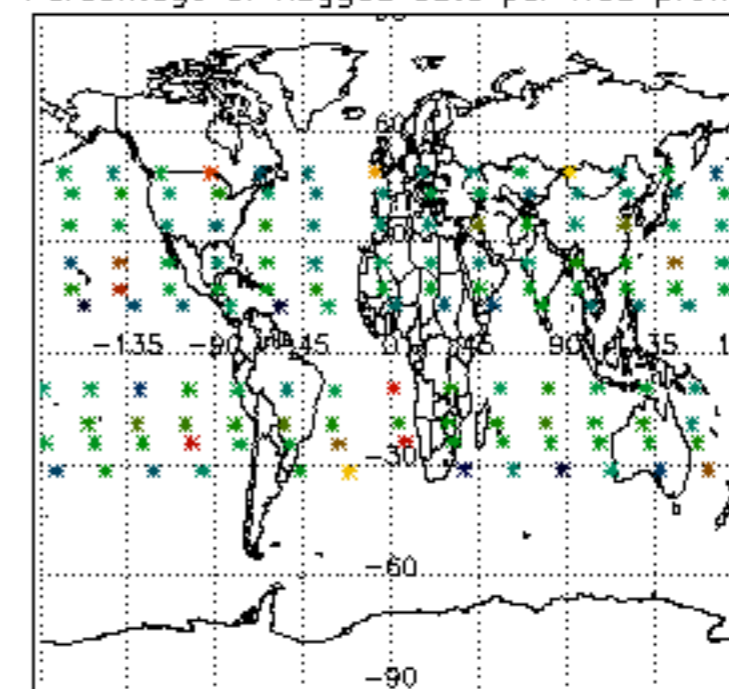
Percentage of flagged data per H2O profile

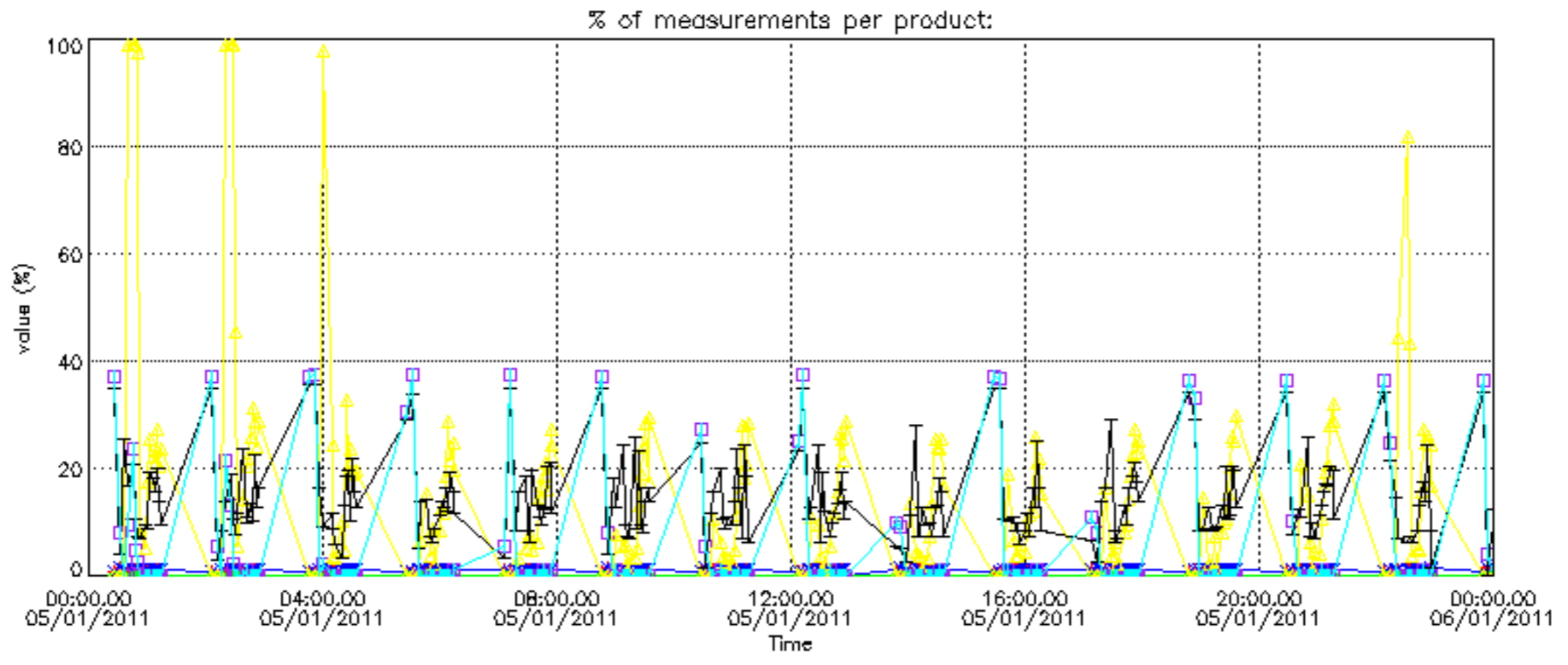


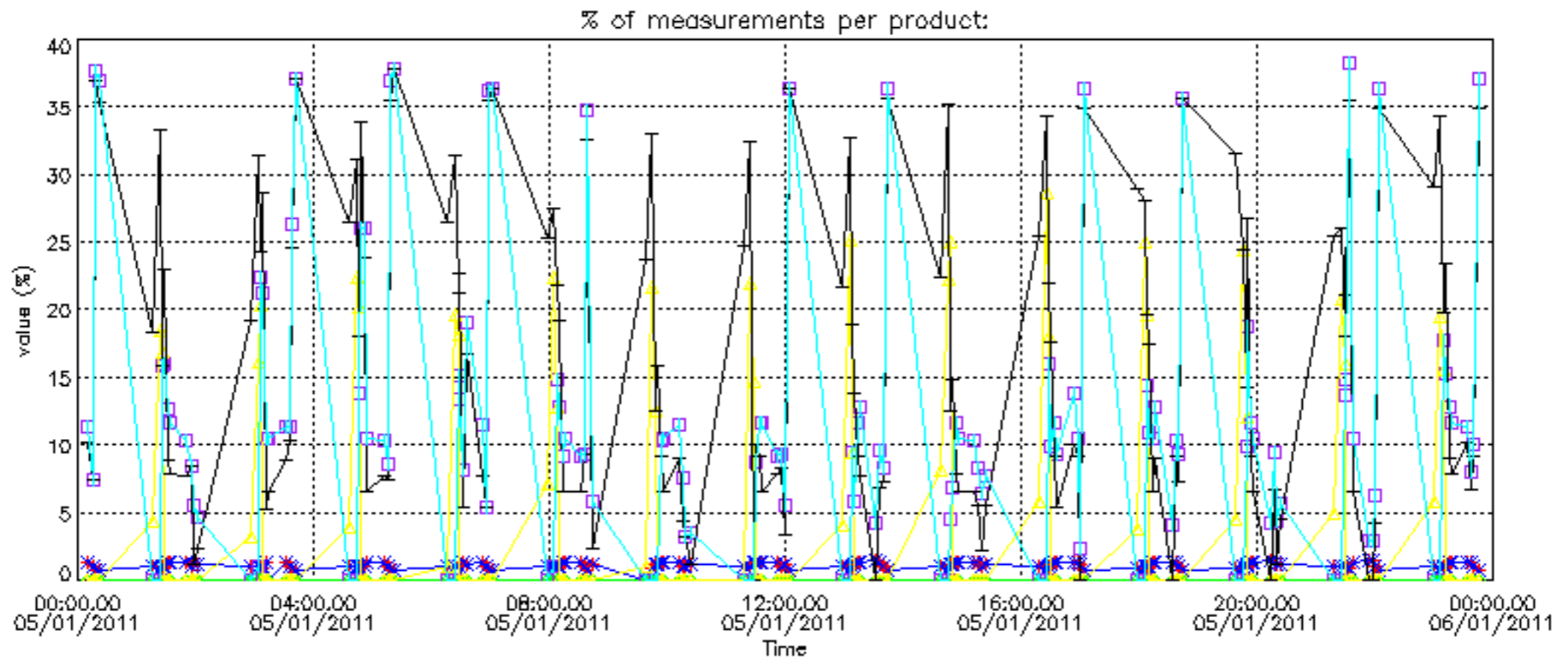
Percentage of flagged data per NO2 profile



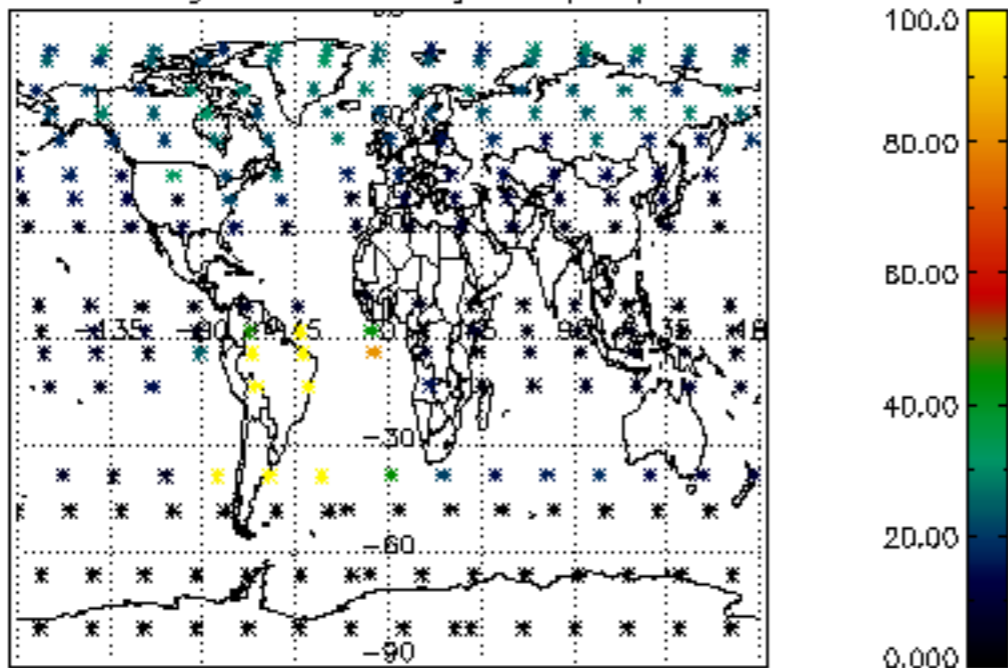
Percentage of flagged data per NO3 profile



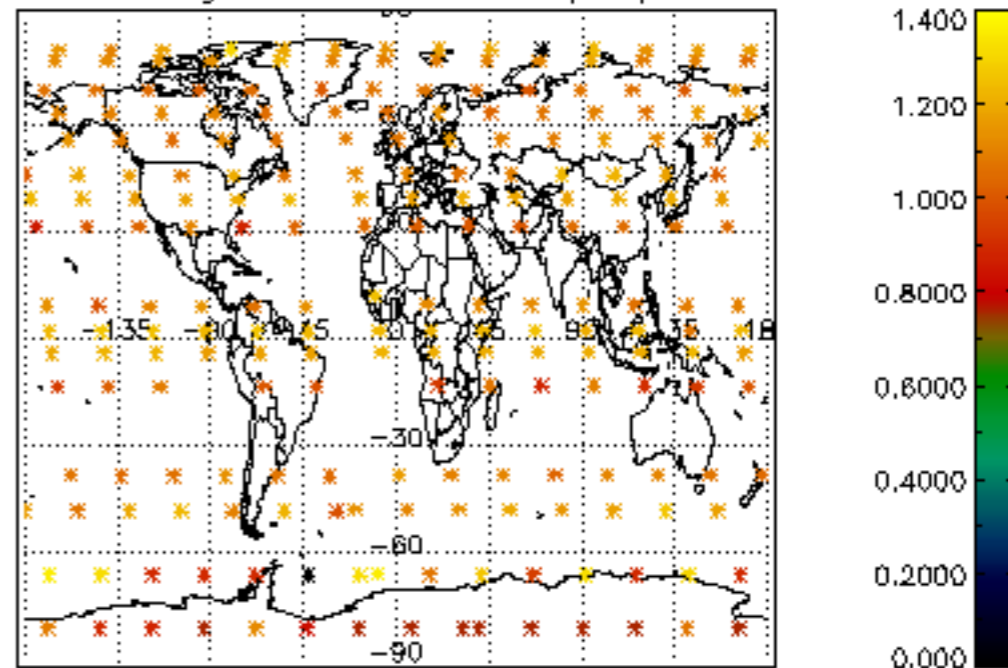




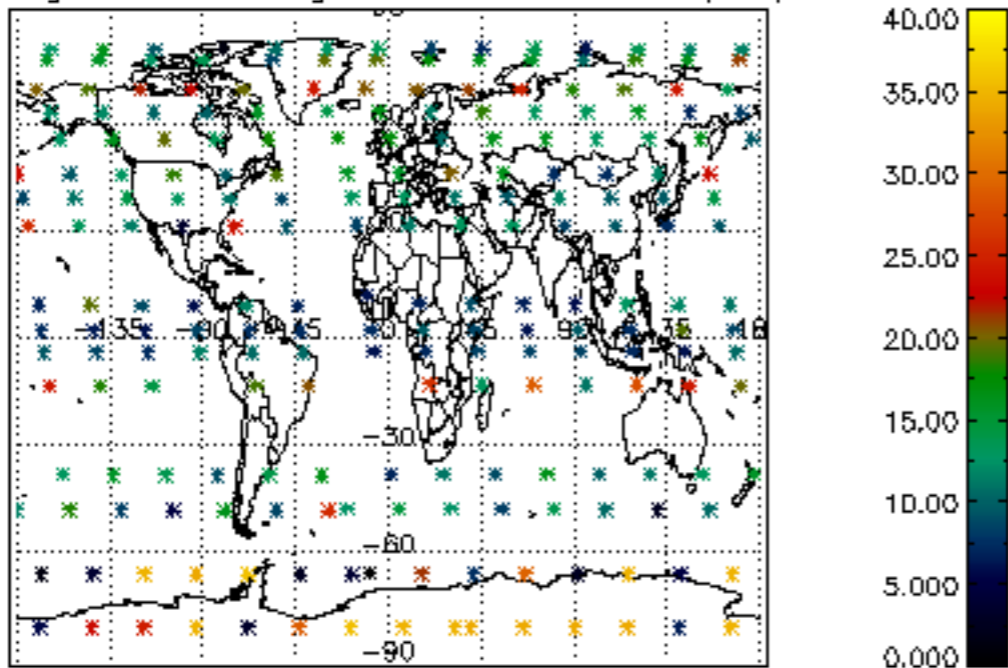
Percentage of cosmic ray hits per profile



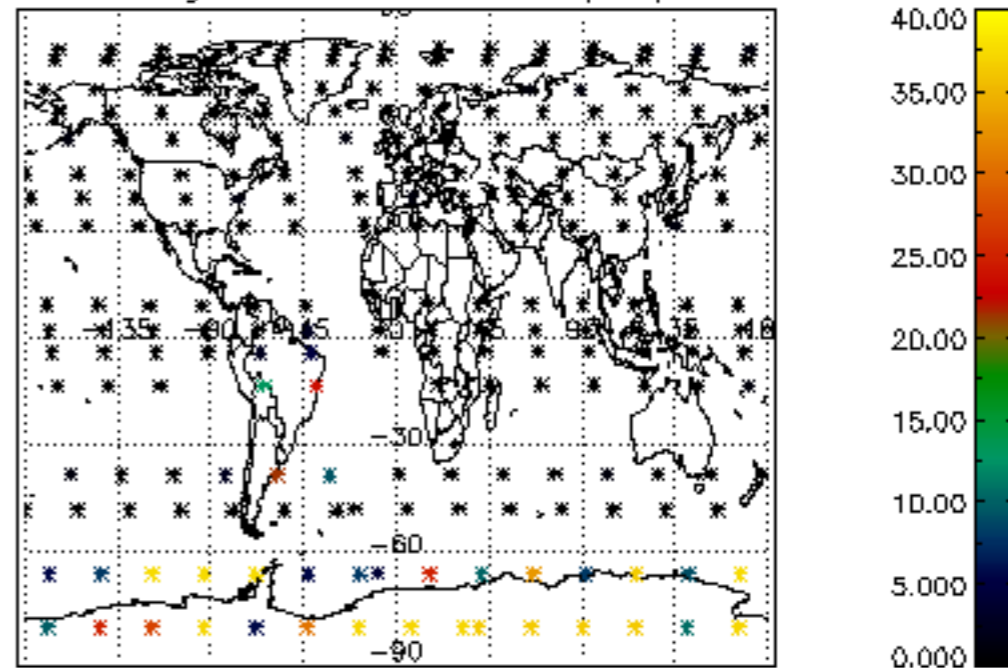
Percentage of datation errors per profile



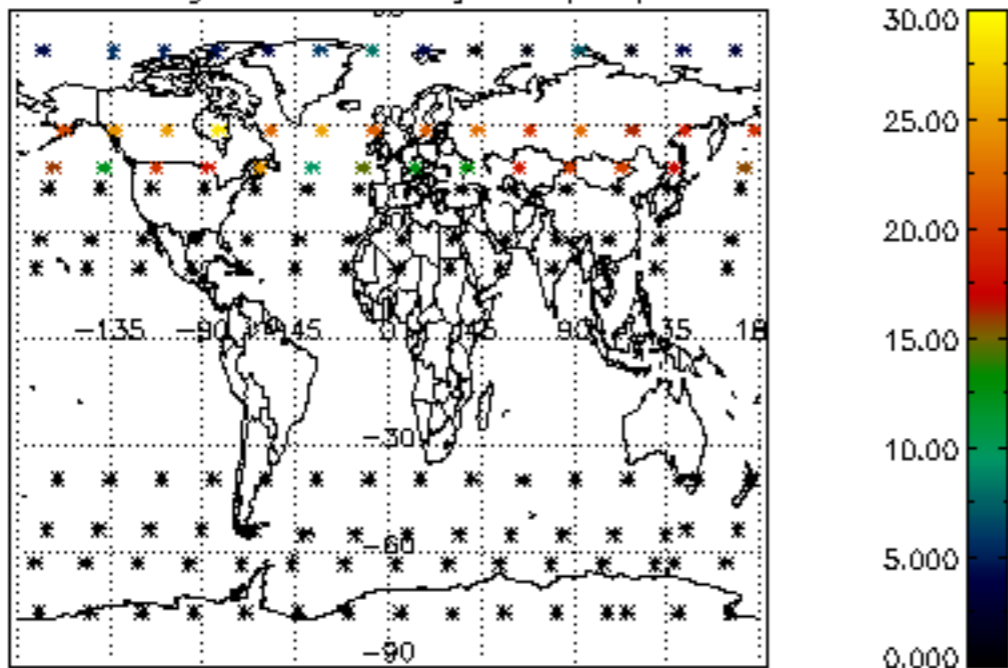
Percentage of star falling outside central band per profile



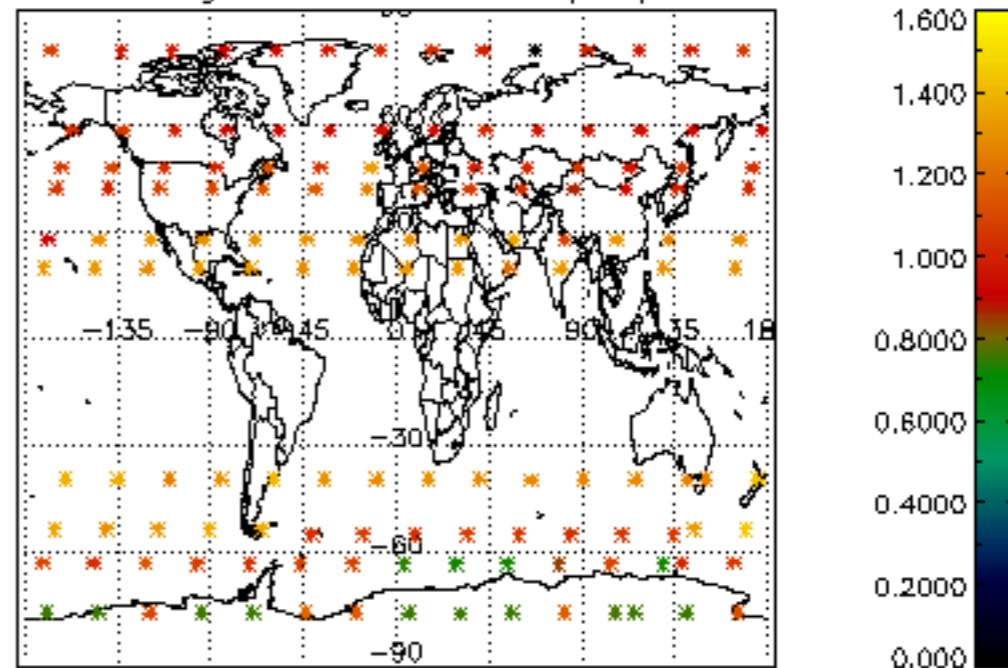
Percentage of saturation errors per profile



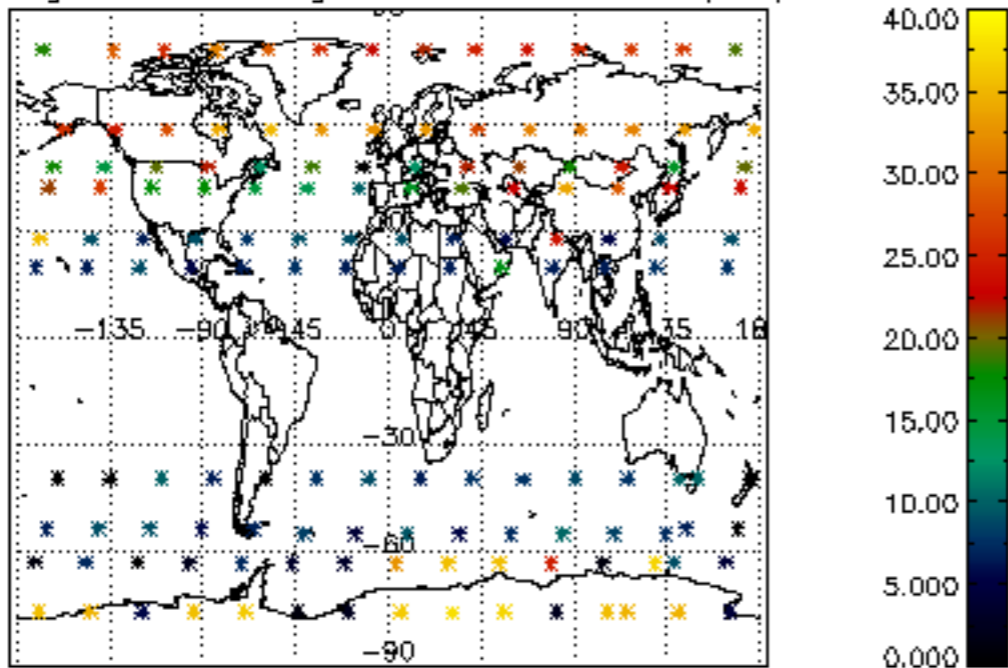
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

